

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120519\
 Data File : VN059493.D
 Acq On : 5 Dec 2019 12:36
 Operator : JC/SP
 Sample : VN1205WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

Manual Integrations
 APPROVED

apatel
 12/6/2019 2:54:43 PM

Quant Time: Dec 06 00:43:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	333875	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	525847	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	469340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	211215	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	161560	38.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.90%	
35) Dibromofluoromethane	7.57	113	125270	38.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.50%	
50) Toluene-d8	10.08	98	488524	37.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.66%	
62) 4-Bromofluorobenzene	12.40	95	168995	37.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	66126	17.798	ug/l	99
3) Chloromethane	2.04	50	89609	17.995	ug/l	99
4) Vinyl Chloride	2.17	62	86193	28.845	ug/l	97
5) Bromomethane	2.55	94	31387	17.284	ug/l	96
6) Chloroethane	2.68	64	29831	16.909	ug/l	93
7) Trichlorofluoromethane	3.00	101	63085	17.481	ug/l	97
8) Diethyl Ether	3.38	74	40435	17.197	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	63631	17.962	ug/l	98
10) Methyl Iodide	3.92	142	75288	16.784	ug/l	98
11) Tert butyl alcohol	4.76	59	70367	90.033	ug/l	100
12) 1,1-Dichloroethene	3.71	96	60147	17.369	ug/l	94
13) Acrolein	3.58	56	55187	81.360	ug/l	100
14) Allyl chloride	4.29	41	122084	17.899	ug/l	98
15) Acrylonitrile	4.95	53	189652	89.694	ug/l	99
16) Acetone	3.79	43	183526	75.606	ug/l	99
17) Carbon Disulfide	4.02	76	198968	16.839	ug/l	99
18) Methyl Acetate	4.30	43	99494	17.820	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	212572	18.011	ug/l	99
20) Methylene Chloride	4.52	84	73657	18.089	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	69038	17.817	ug/l	100
22) Diisopropyl ether	5.92	45	236552	18.633	ug/l	98
23) Vinyl Acetate	5.86	43	979617	96.165	ug/l	98
24) 1,1-Dichloroethane	5.82	63	135139	18.739	ug/l	98
25) 2-Butanone	6.81	43	259417	82.289	ug/l	100
26) 2,2-Dichloropropane	6.80	77	115088	18.451	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	77174	17.933	ug/l	99
28) Bromochloromethane	7.17	49	43522	15.904	ug/l	97
29) Tetrahydrofuran	7.18	42	174578	88.069	ug/l	99
30) Chloroform	7.35	83	126994	18.238	ug/l	98
31) Cyclohexane	7.63	56	124626	17.835	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	108568	17.939	ug/l	98
36) 1,1-Dichloropropene	7.77	75	99236	18.135	ug/l	99
37) Ethyl Acetate	6.90	43	107326	17.559	ug/l	99
38) Carbon Tetrachloride	7.75	117	97876	18.597	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	117423	17.831	ug/l	98
40) Benzene	8.02	78	295637	18.449	ug/l	100
41) Methacrylonitrile	7.14	41	44795	18.083	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	102597	18.848	ug/l	99
43) Isopropyl Acetate	8.14	43	163711	18.008	ug/l	99
44) Trichloroethene	8.82	130	74485	17.787	ug/l	100
45) 1,2-Dichloropropane	9.10	63	80344	18.767	ug/l	99
46) Dibromomethane	9.19	93	49104	18.423	ug/l	99
47) Bromodichloromethane	9.39	83	97317	18.210	ug/l	99
48) Methyl methacrylate	9.18	41	72258	17.617	ug/l	98
49) 1,4-Dioxane	9.19	88	23964	386.128	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	498993	92.468	ug/l	99
52) Toluene	10.14	92	179073	18.478	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	112732	17.926	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	123812	18.575	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	69851	18.284	ug/l	98
56) Ethyl methacrylate	10.42	69	101092	17.322	ug/l	98
57) 1,3-Dichloropropane	10.70	76	121421	18.379	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	153714	84.067	ug/l	100
59) 2-Hexanone	10.74	43	358889	88.371	ug/l	98
60) Dibromochloromethane	10.90	129	74535	18.272	ug/l	97
61) 1,2-Dibromoethane	11.00	107	71012	17.988	ug/l	98
64) Tetrachloroethene	10.62	164	70022	17.539	ug/l	99
65) Chlorobenzene	11.43	112	183538	17.888	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	68764	18.652	ug/l	99
67) Ethyl Benzene	11.51	91	333438	18.548	ug/l	99
68) m/p-Xylenes	11.62	106	244405	36.513	ug/l	98
69) o-Xylene	11.94	106	116971	18.355	ug/l	100
70) Styrene	11.96	104	184200	18.107	ug/l	99
71) Bromoform	12.12	173	50818	17.684	ug/l #	99
73) Isopropylbenzene	12.25	105	310356	18.322	ug/l	100
74) N-amyl acetate	12.07	43	119556	17.523	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	100933	18.576	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	98973m	18.846	ug/l	
77) Bromobenzene	12.53	156	75734	17.892	ug/l	98
78) n-propylbenzene	12.59	91	365925	18.563	ug/l	99
79) 2-Chlorotoluene	12.67	91	214808	18.077	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	264354	18.675	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	36291	18.135	ug/l	98
82) 4-Chlorotoluene	12.77	91	221346	18.054	ug/l	99
83) tert-Butylbenzene	12.99	119	221583	18.030	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	255926	18.500	ug/l	99
85) sec-Butylbenzene	13.17	105	302232	18.555	ug/l	99
86) p-Isopropyltoluene	13.29	119	268003	18.361	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	134330	17.999	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	132279	17.575	ug/l	99
89) n-Butylbenzene	13.62	91	233209	17.833	ug/l	99
90) Hexachloroethane	13.88	117	50220	17.839	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	129050	18.038	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20756	18.441	ug/l	93

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
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VN1205WBS01

Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 16:37:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	71746	16.427	ug/l	98
94) Hexachlorobutadiene	15.01	225	47068	18.166	ug/l	99
95) Naphthalene	15.13	128	187469	17.251	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	73721	18.107	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

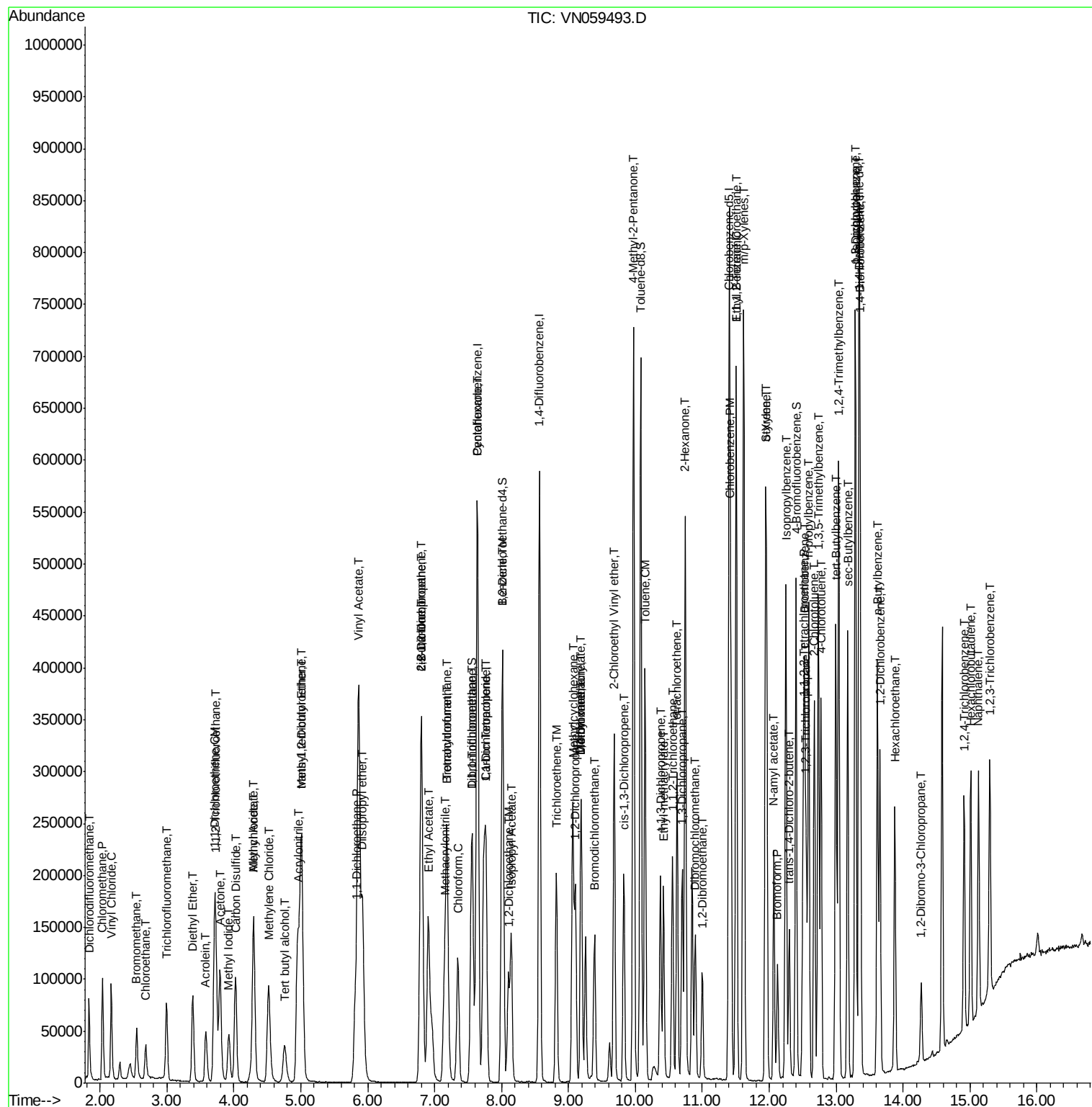
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Data File : VN059493.D
Acq On : 5 Dec 2019 12:36
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Sample : VN1205WBS01
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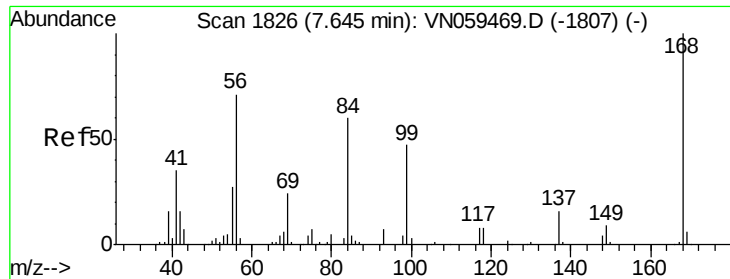
Instrument :
MSVOA_N
Client Sampled :
VN1205WBS01

Manual Integrations
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Quant Time: Dec 06 00:43:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 16:37:42 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

Tot Ion:168 Resp: 333875

Ion Ratio Lower Upper

168 100

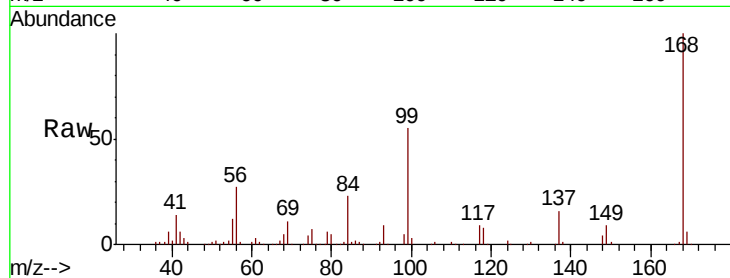
99 55.0 43.4 65.2

Manual Integrations

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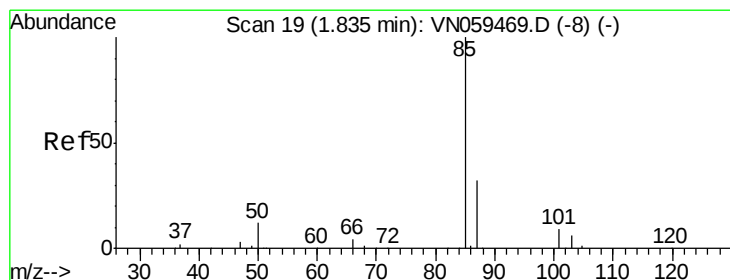
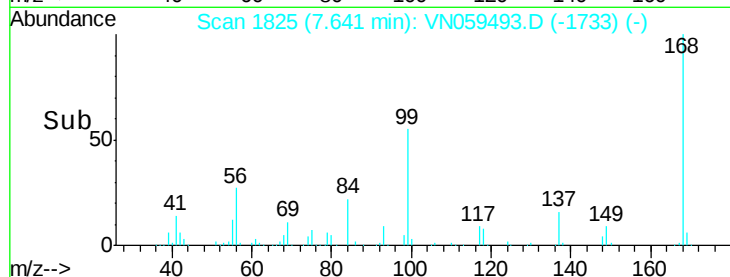
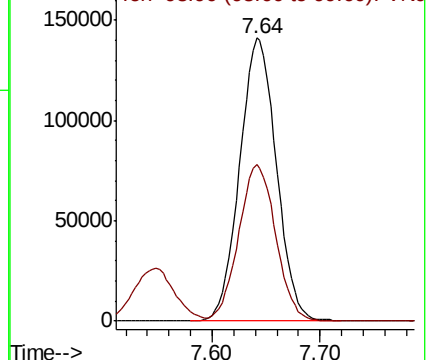
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 17.798 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059493.D

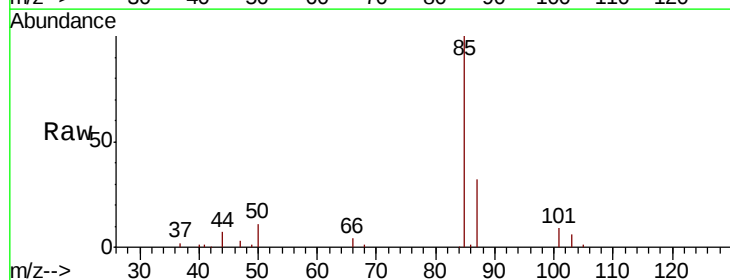
Acq: 5 Dec 2019 12:36

Tgt Ion: 85 Resp: 66126

Ion Ratio Lower Upper

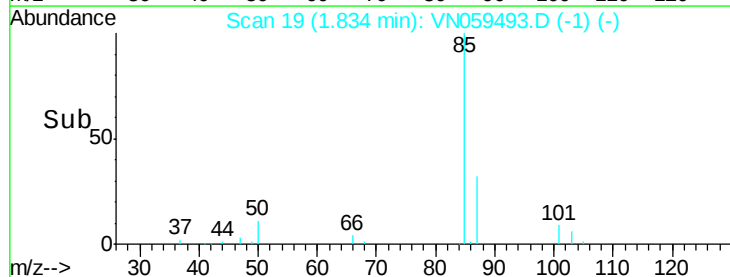
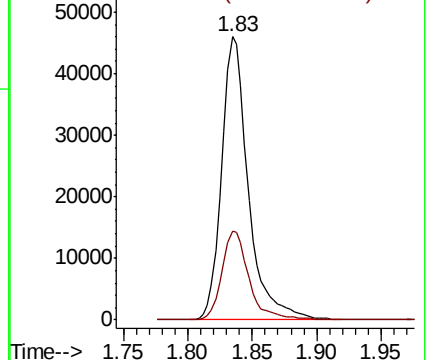
85 100

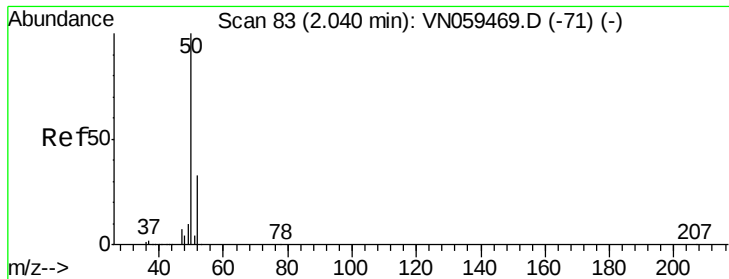
87 31.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.995 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

Tot Ion: 50 Resp: 89609

Ion Ratio Lower Upper

50 100

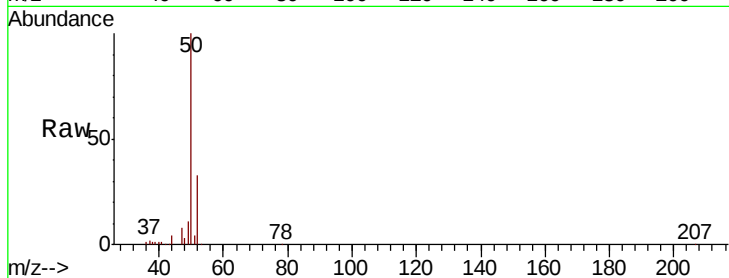
52 32.5 26.5 39.7

Manual Integrations

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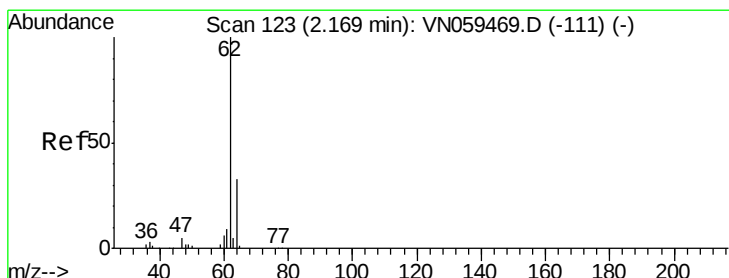
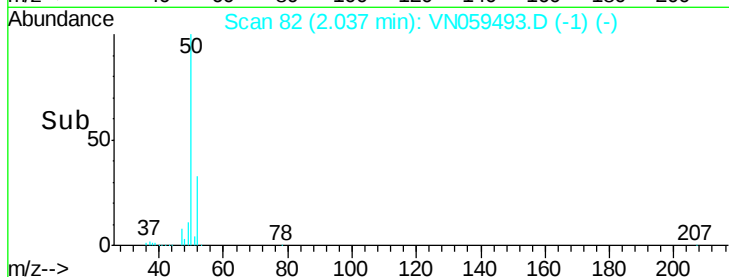
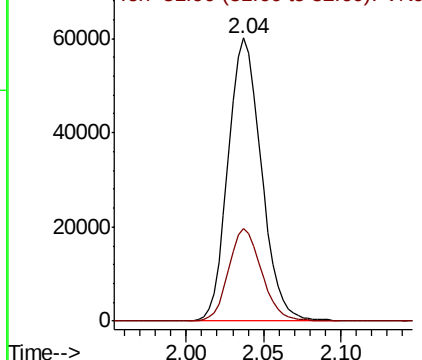
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 28.845 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059493.D

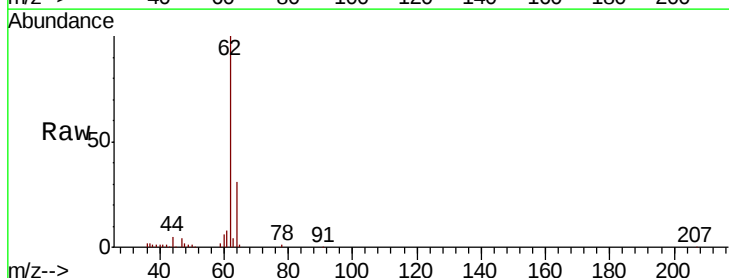
Acq: 5 Dec 2019 12:36

Tgt Ion: 62 Resp: 86193

Ion Ratio Lower Upper

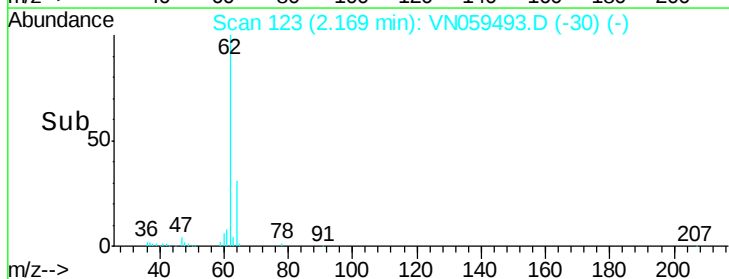
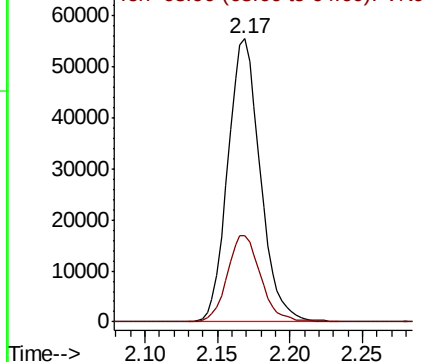
62 100

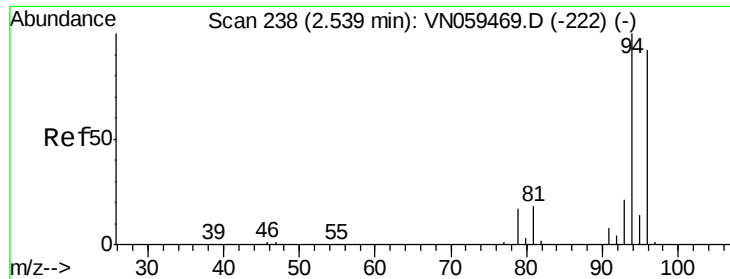
64 30.6 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 17.284 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

Instrument :

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Tot Ion: 94 Resp: 31387

Ion Ratio Lower Upper

94 100

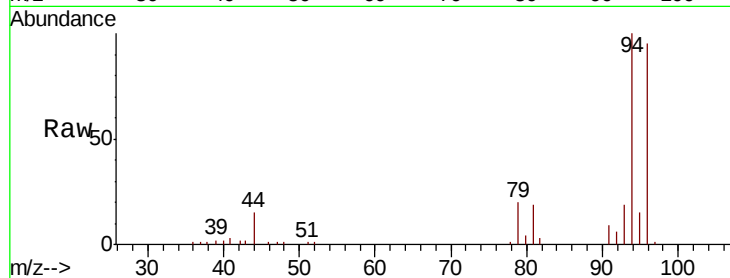
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Manual Integrations

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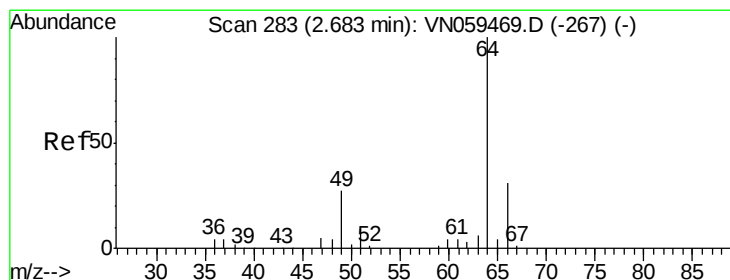
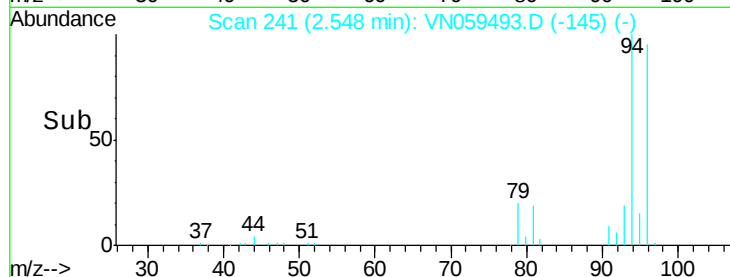
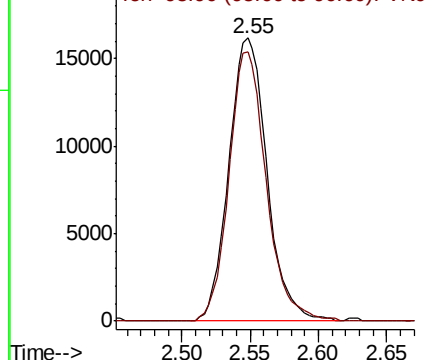
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 16.909 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN059493.D

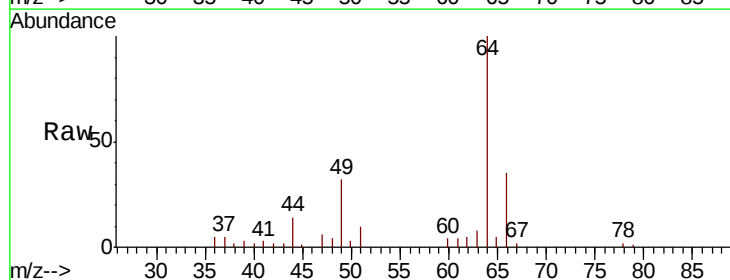
Acq: 5 Dec 2019 12:36

Tgt Ion: 64 Resp: 29831

Ion Ratio Lower Upper

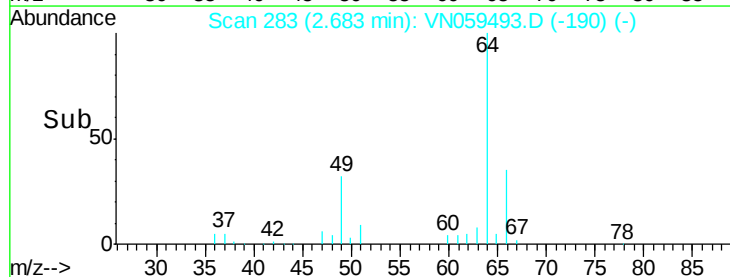
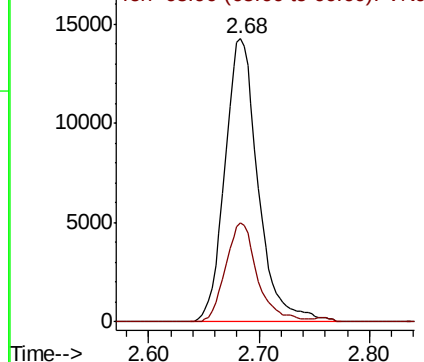
64 100

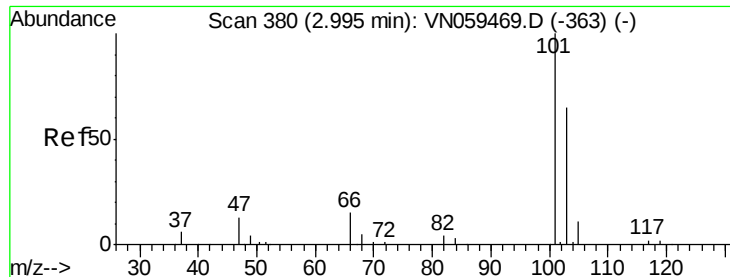
66 35.2 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

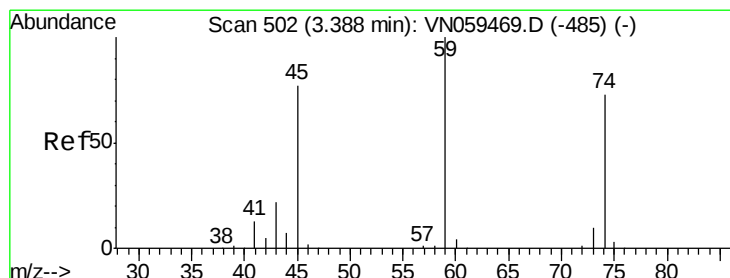
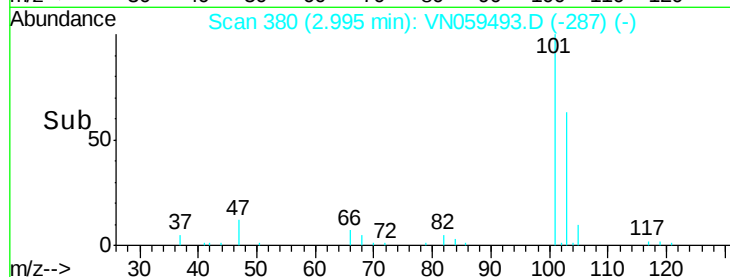
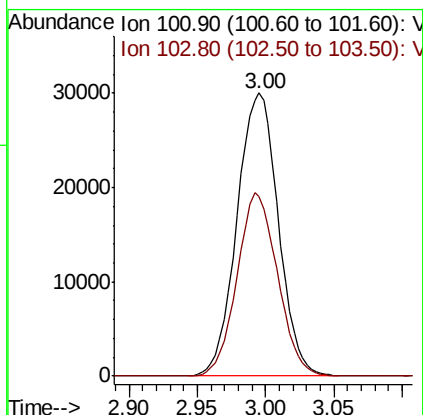
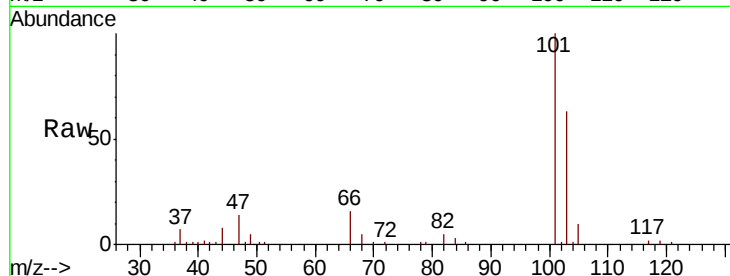
Trichlorofluoromethane
Concen: 17.481 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Instrument :
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ClientSampleId :
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Tot Ion:101 Resp: 63085
Ion Ratio Lower Upper
101 100
103 63.4 52.4 78.6

Manual Integrations
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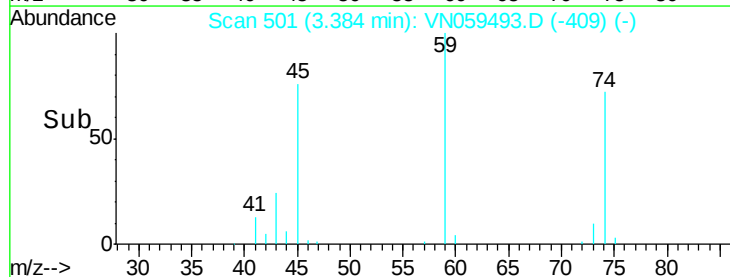
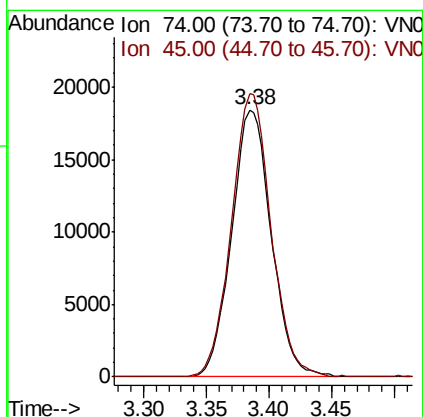
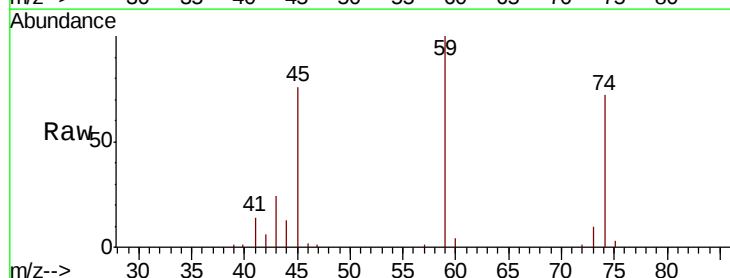
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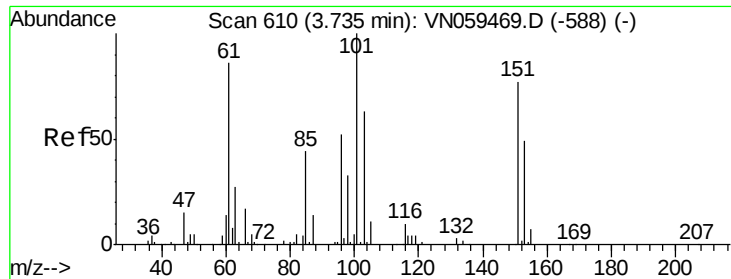


#8

Diethyl Ether
Concen: 17.197 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Tgt Ion: 74 Resp: 40435
Ion Ratio Lower Upper
74 100
45 106.2 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.962 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

Instrument :

MSVOA_N

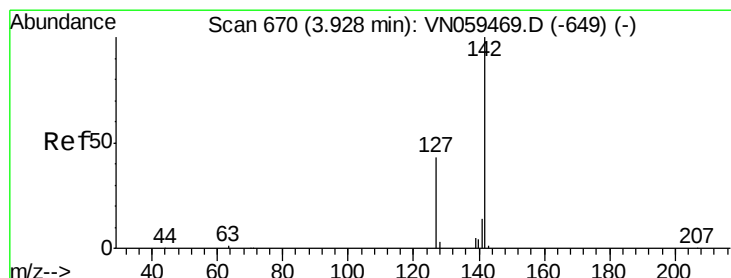
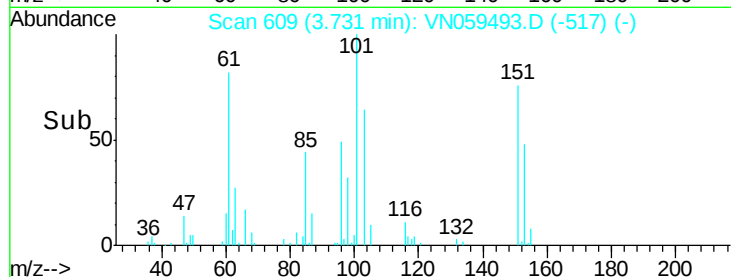
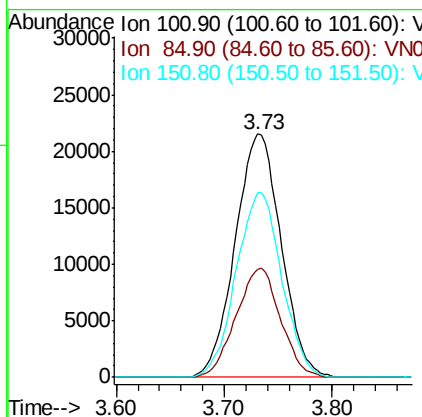
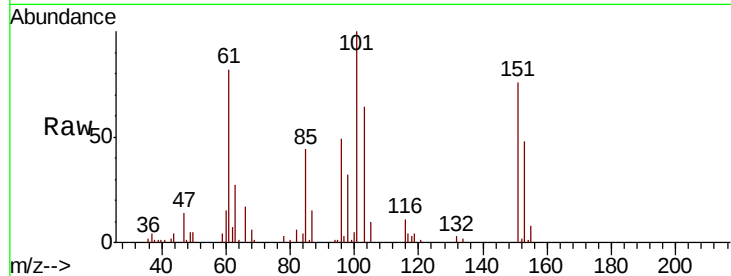
ClientSampleId :

VN1205WBS01

Tot Ion:	101	Resp:	63631
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.2	52.8
151	75.3	62.4	93.6

Manual Integrations
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#10

Methyl Iodide

Concen: 16.784 ug/l

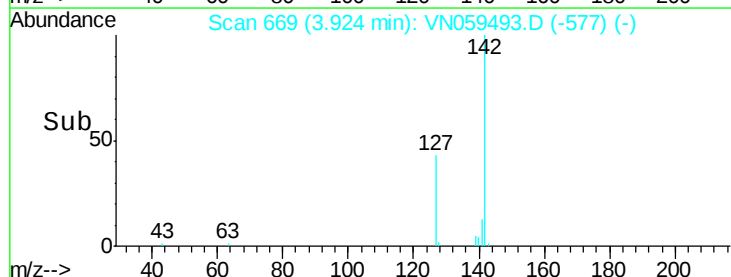
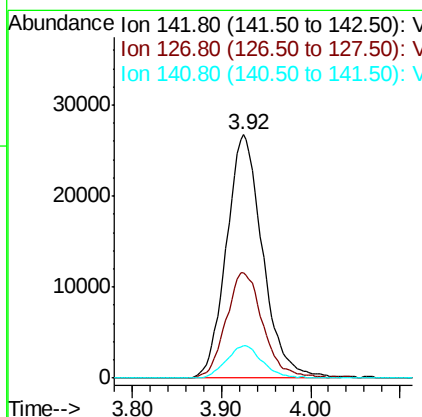
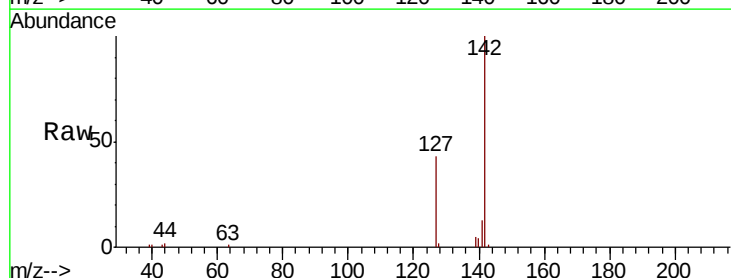
RT: 3.92 min Scan# 669

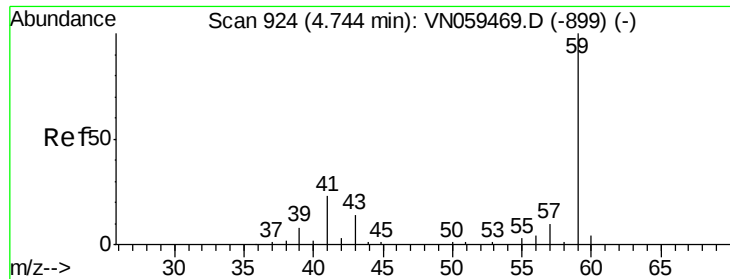
Delta R.T. -0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

Tgt Ion:	142	Resp:	75288
Ion Ratio	Lower	Upper	
142	100		
127	44.2	34.6	52.0
141	13.1	11.4	17.0





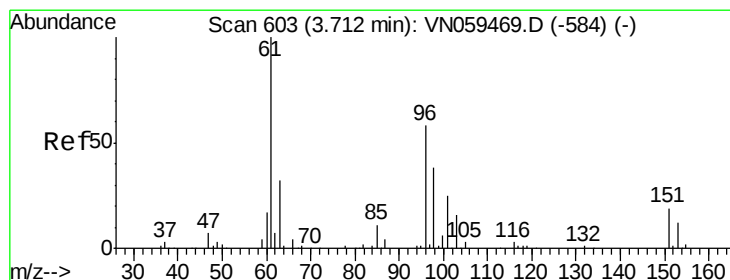
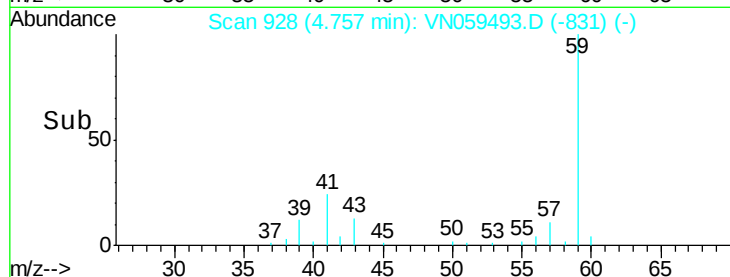
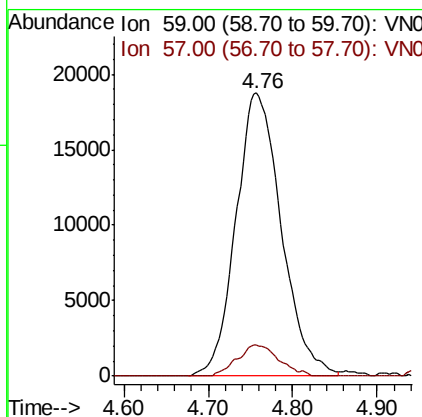
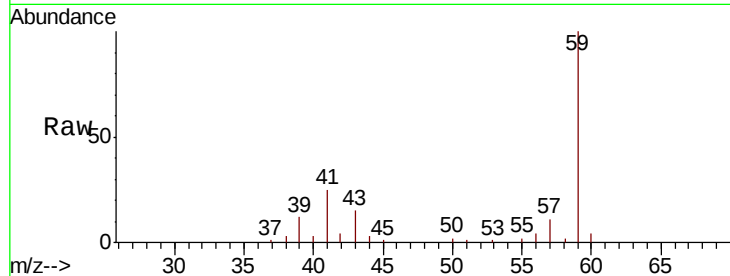
#11
Tert butyl alcohol
Concen: 90.033 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.01 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

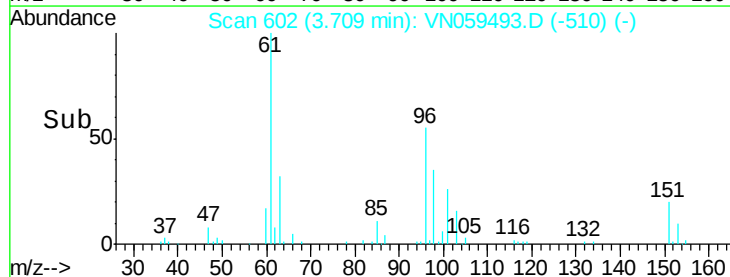
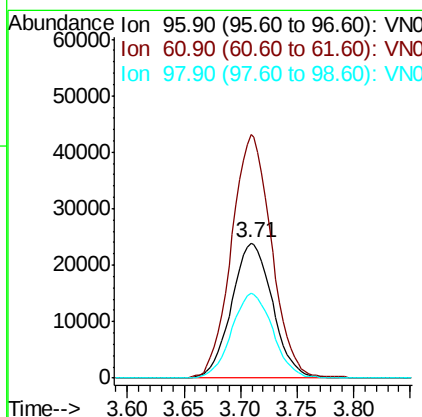
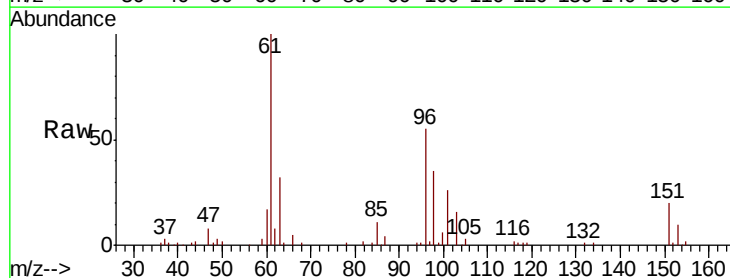
Manual Integrations
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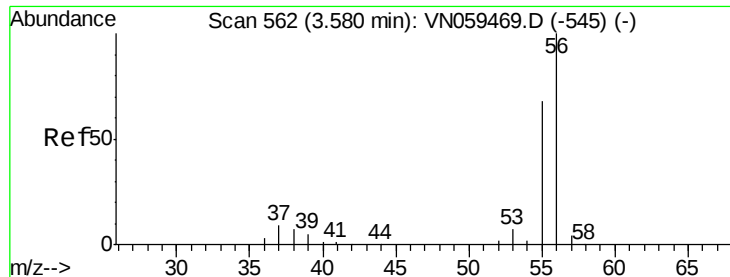
apatel
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#12
1,1-Dichloroethene
Concen: 17.369 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.5	137.1	205.7
98	63.2	52.4	78.6





#13

Acrolein

Concen: 81.360 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

Tot Ion: 56 Resp: 55187

Ion Ratio Lower Upper

56 100

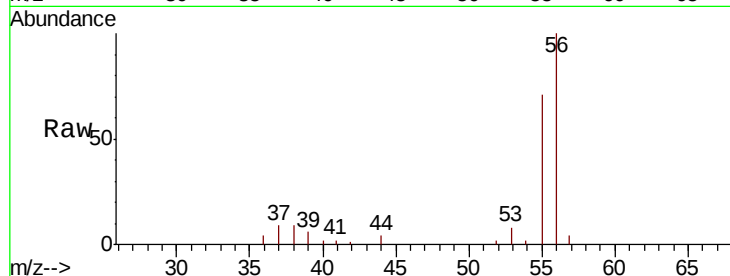
55 70.8 56.5 84.7

Manual Integrations

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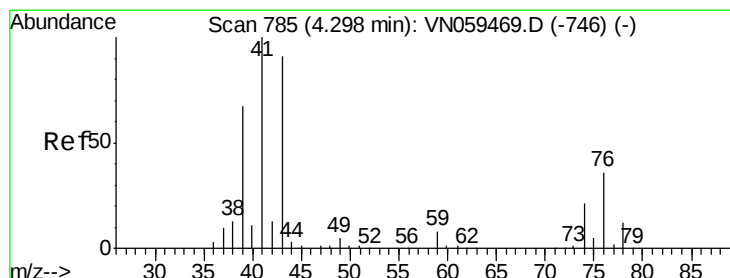
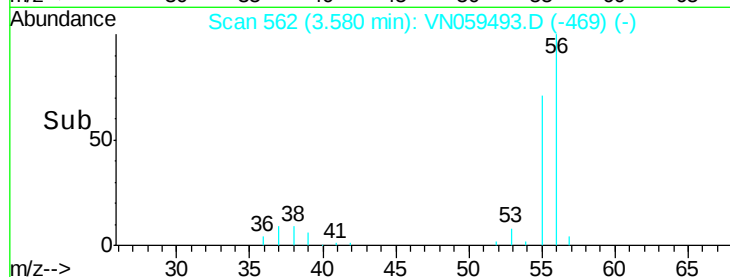
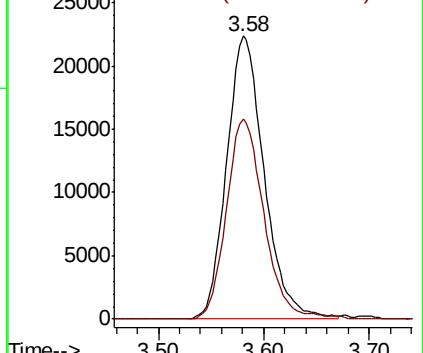
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.899 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

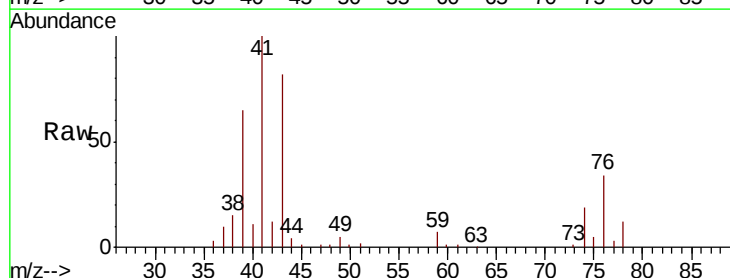
Tgt Ion: 41 Resp: 122084

Ion Ratio Lower Upper

41 100

39 63.8 49.3 73.9

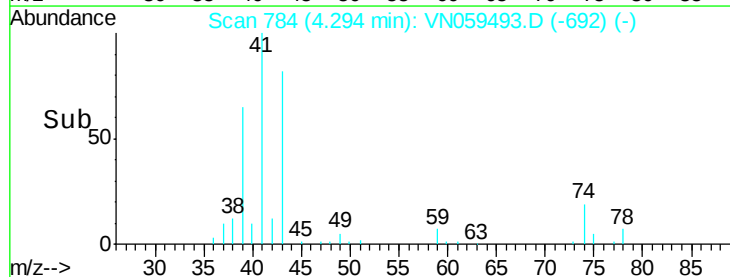
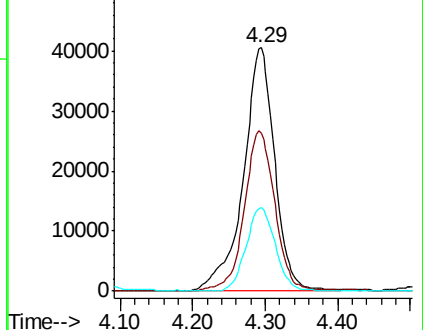
76 32.0 25.6 38.4

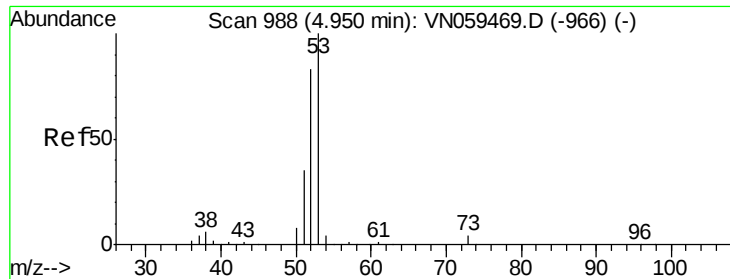


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 89.694 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

Instrument :

MSVOA_N

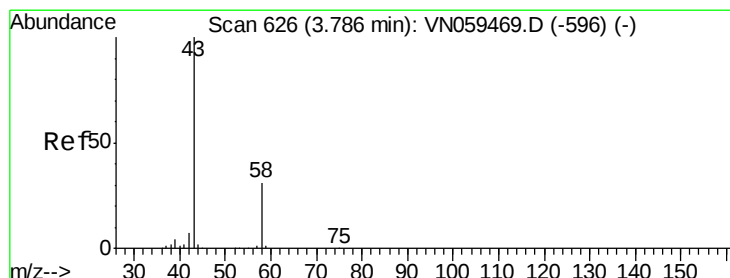
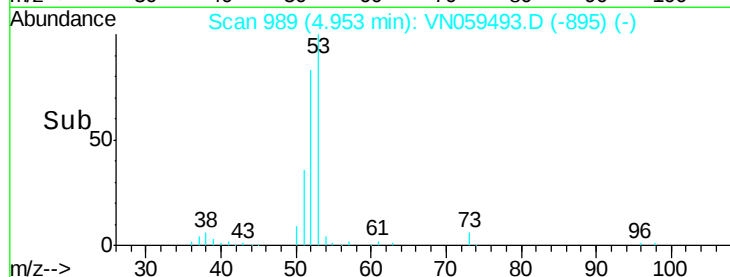
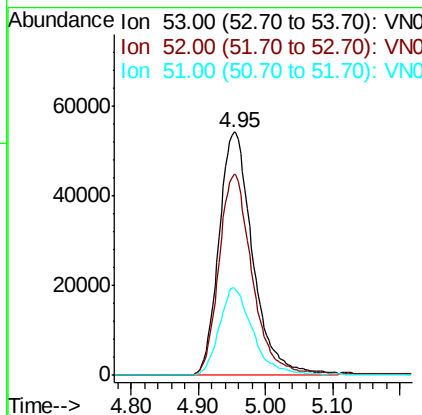
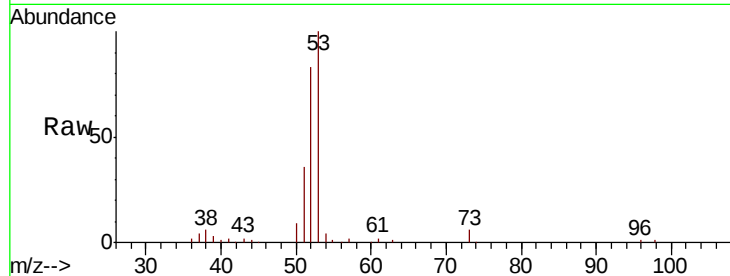
ClientSampleId :

VN1205WBS01

Tot Ion:	53	Resp:	189652
Ion Ratio		Lower	Upper
53	100		
52	80.9	65.5	98.3
51	35.9	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 75.606 ug/l

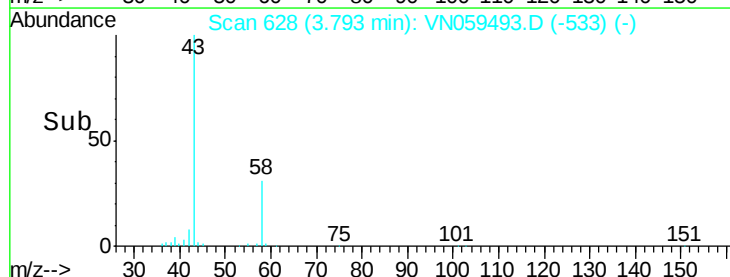
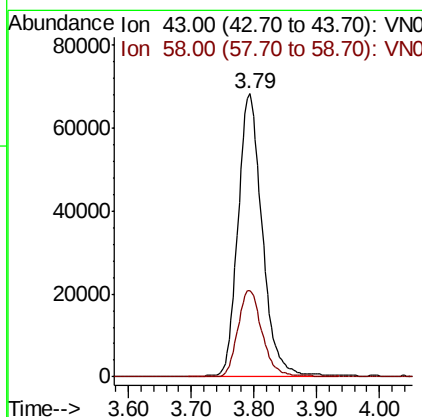
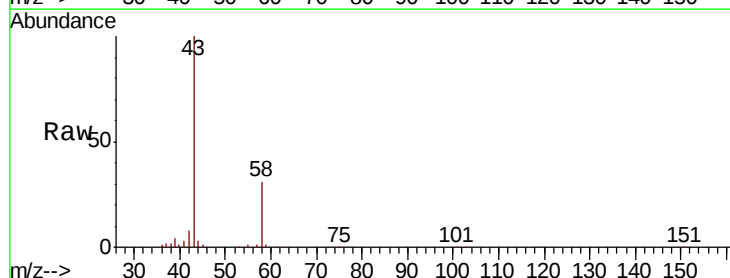
RT: 3.79 min Scan# 628

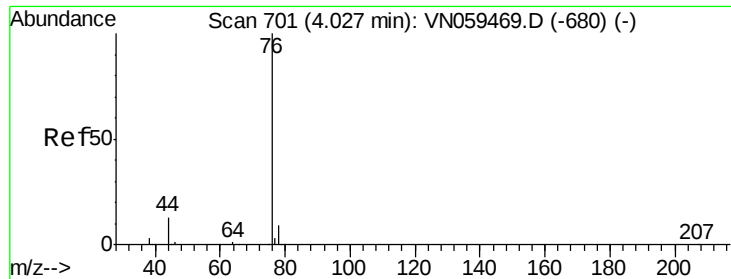
Delta R.T. 0.01 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

Tgt Ion:	43	Resp:	183526
Ion Ratio		Lower	Upper
43	100		
58	30.5	24.9	37.3





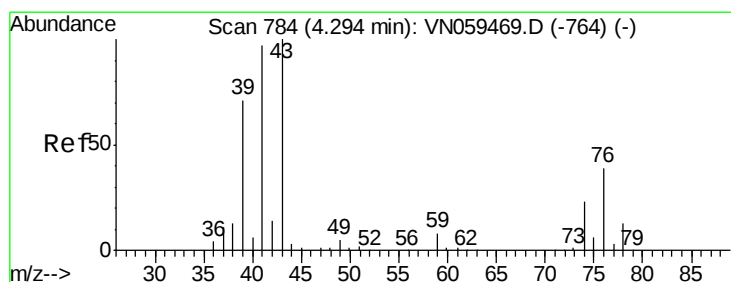
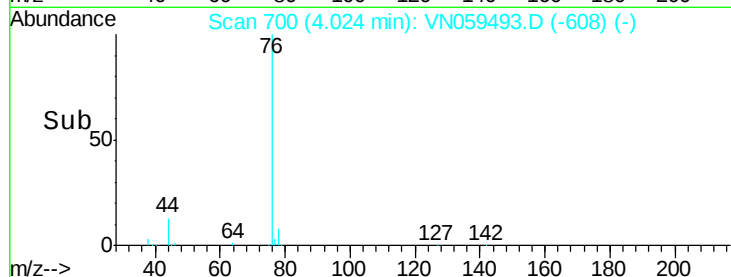
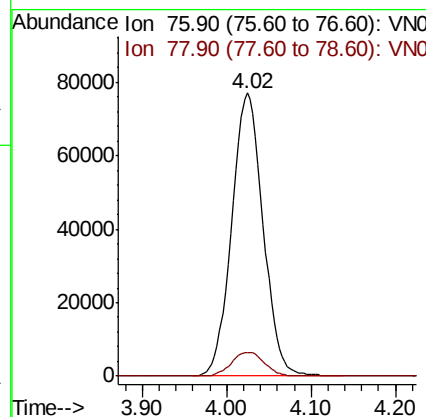
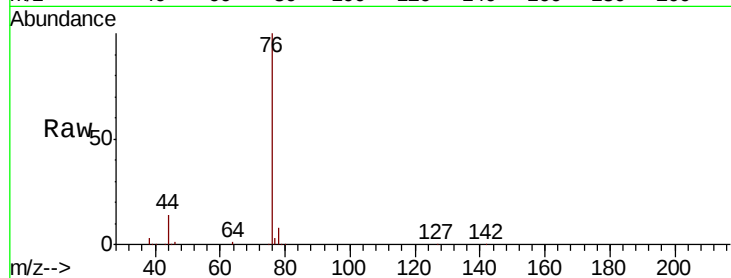
#17
Carbon Disulfide
Concen: 16.839 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion: 76 Resp: 198968
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.6

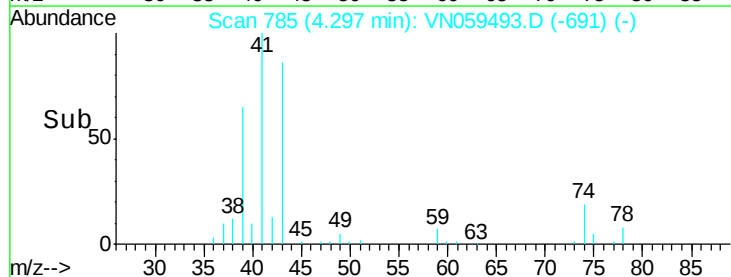
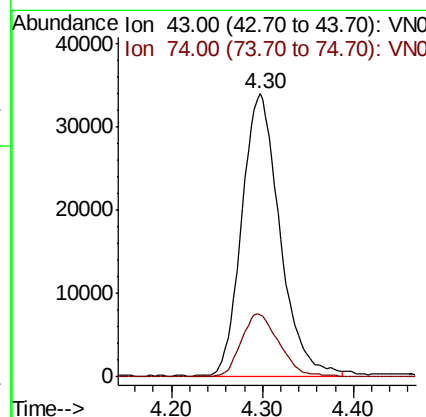
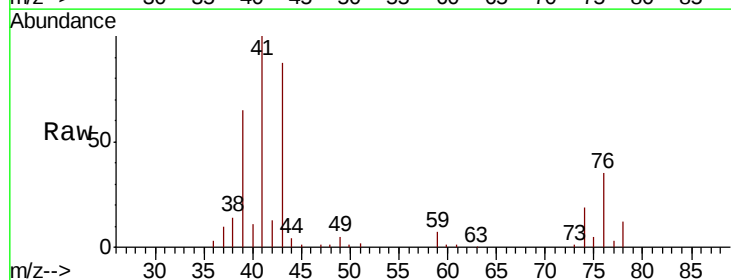
Manual Integrations
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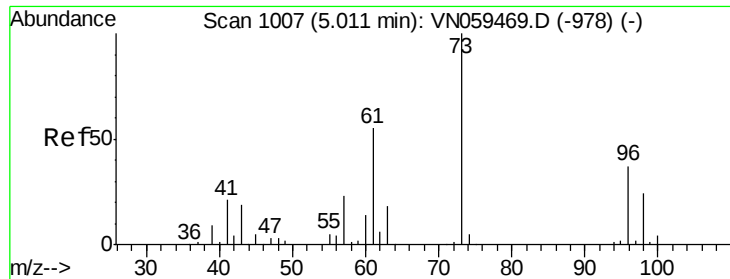
apatel
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#18
Methyl Acetate
Concen: 17.820 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Tgt Ion: 43 Resp: 99494
Ion Ratio Lower Upper
43 100
74 22.2 18.3 27.5





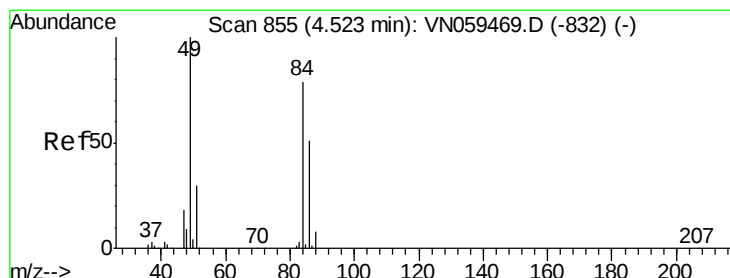
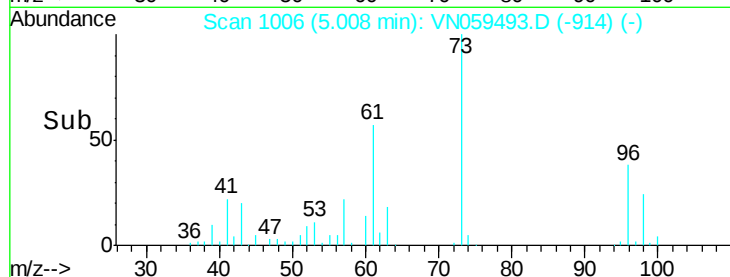
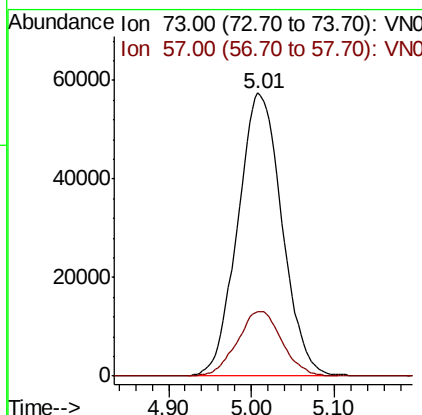
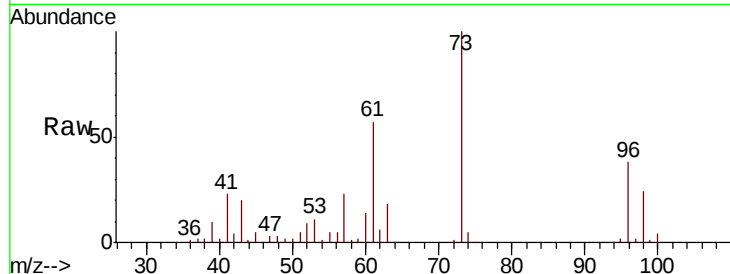
#19
Methyl tert-butyl Ether
Concen: 18.011 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion: 73 Resp: 212572
Ion Ratio Lower Upper
73 100
57 22.8 18.0 27.0

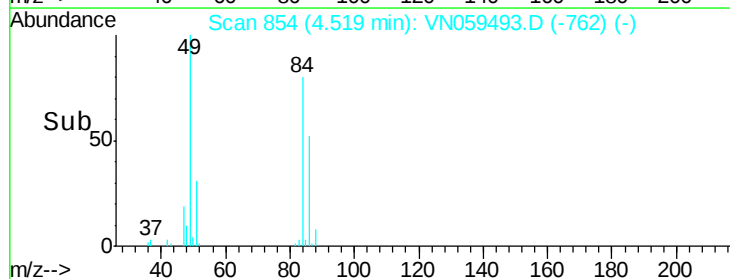
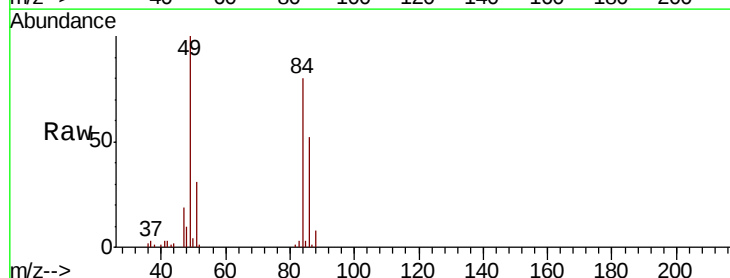
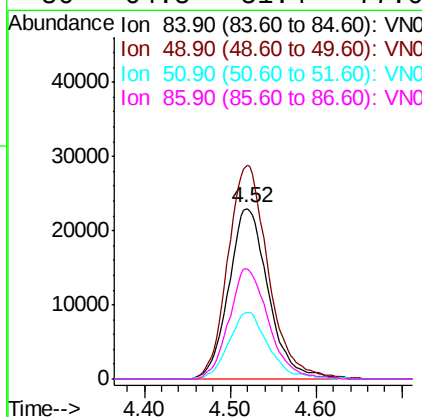
Manual Integrations
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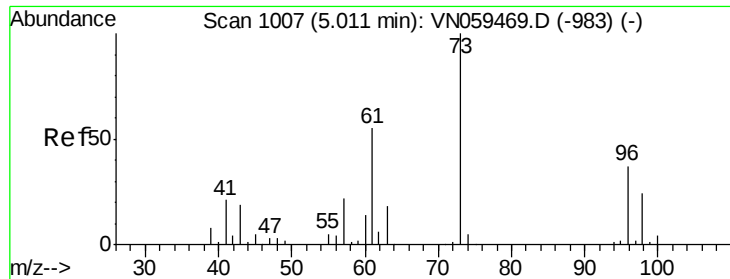
apatel
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#20
Methylene Chloride
Concen: 18.089 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Tgt Ion: 84 Resp: 73657
Ion Ratio Lower Upper
84 100
49 125.2 101.1 151.7
51 39.0 30.7 46.1
86 64.5 51.4 77.0





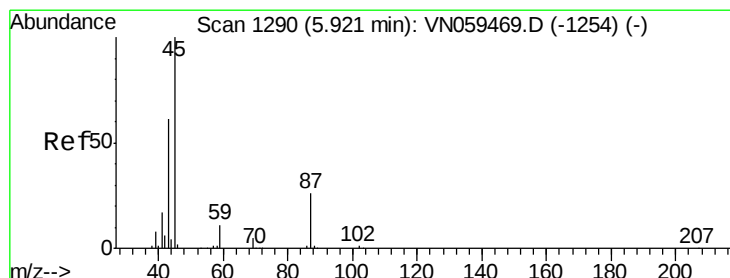
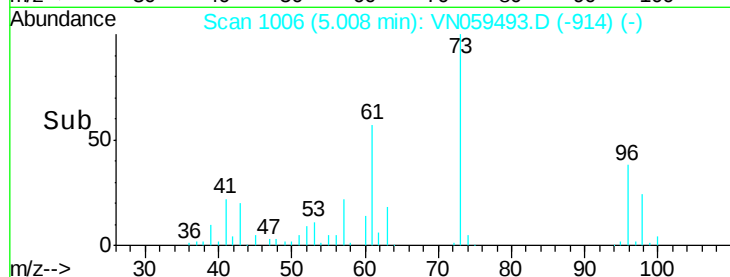
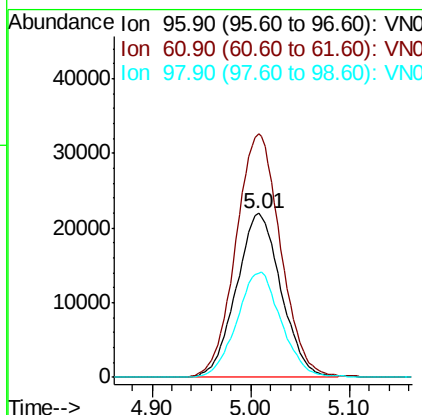
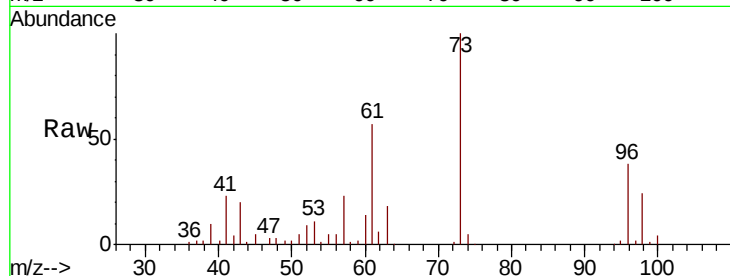
#21
trans-1,2-Dichloroethene
Concen: 17.817 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.3	118.9	178.3
98	63.7	51.6	77.4

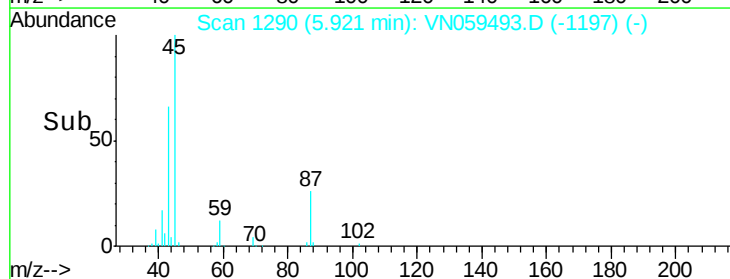
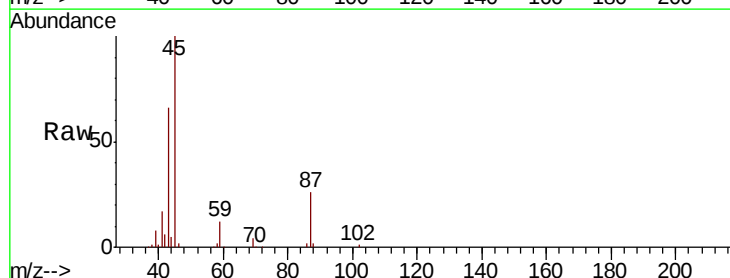
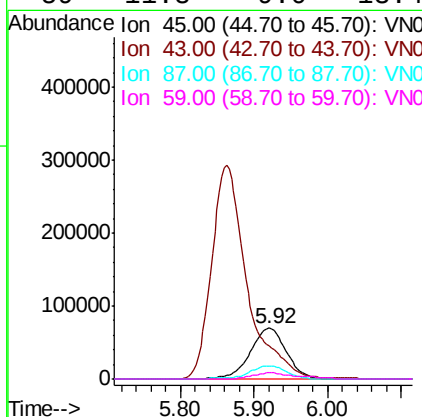
Manual Integrations
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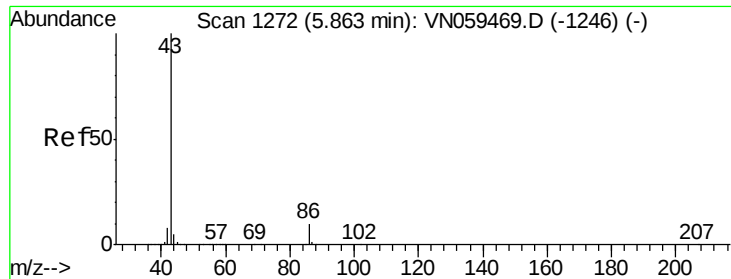
apatel
12/6/2019 2:54:43 PM



#22
Diisopropyl ether
Concen: 18.633 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.5	49.1	73.7
87	26.2	21.6	32.4
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 96.165 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

Tot Ion: 43 Resp: 979617

Ion Ratio Lower Upper

43 100

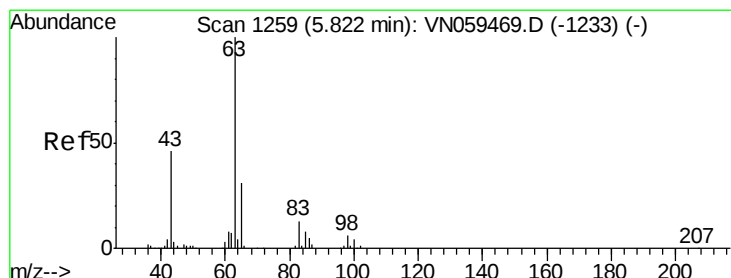
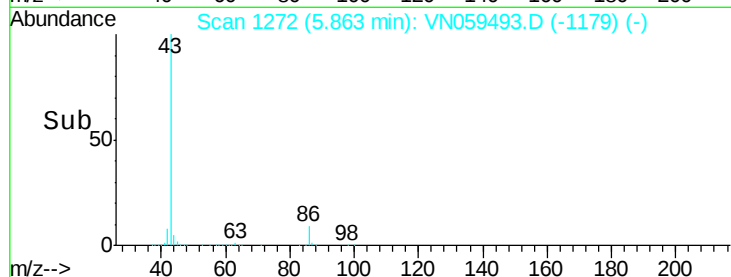
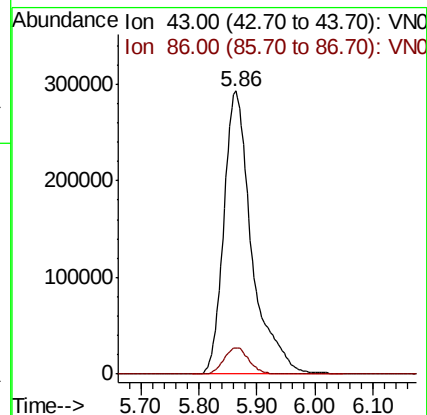
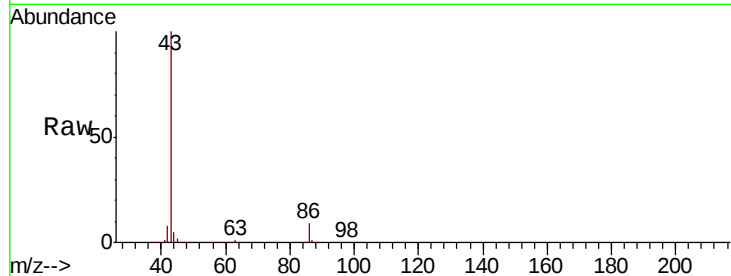
86 9.4 8.0 12.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.739 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

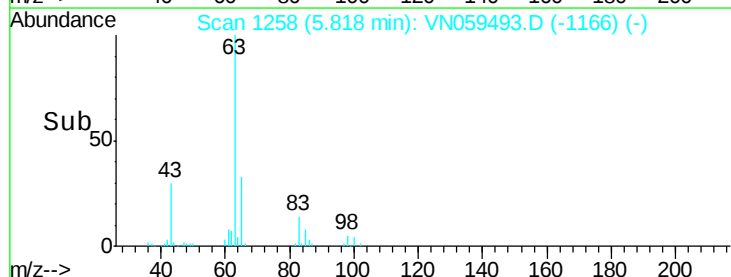
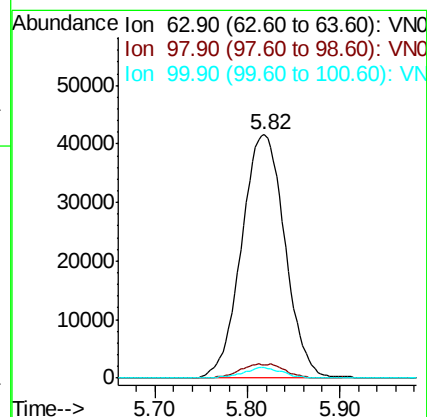
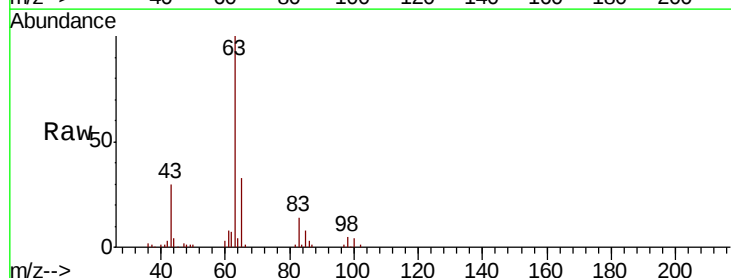
Tgt Ion: 63 Resp: 135139

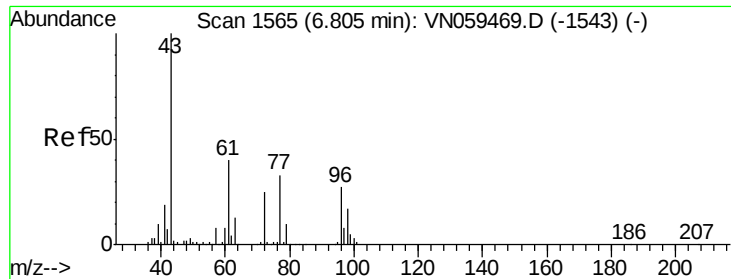
Ion Ratio Lower Upper

63 100

98 5.5 3.2 9.6

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 82.289 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

Instrument :

MSVOA_N

ClientSampled :

VN1205WBS01

Tot Ion: 43 Resp: 259417

Ion Ratio Lower Upper

43 100

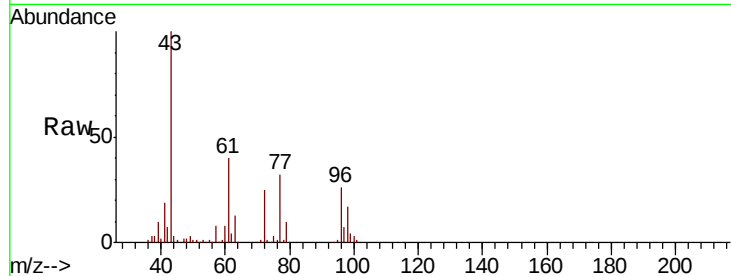
72 25.0 20.2 30.2

Manual Integrations

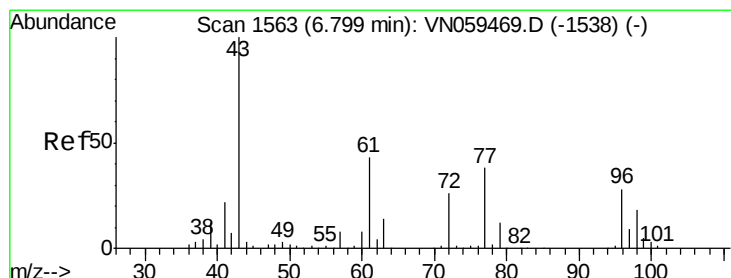
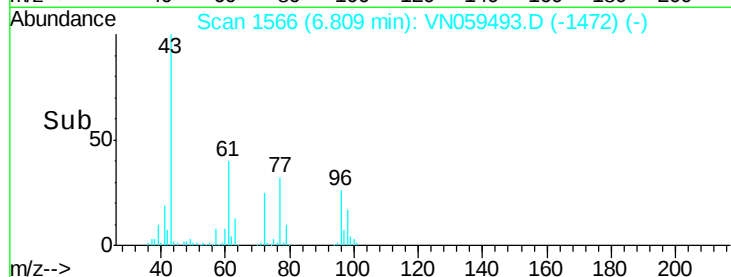
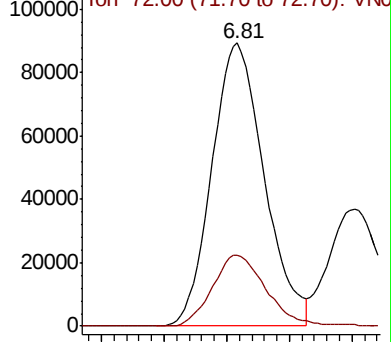
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Abundance Ion 43.00 (42.70 to 43.70): VN059469.D (-1543) (-)



#26

2,2-Dichloropropane

Concen: 18.451 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059493.D

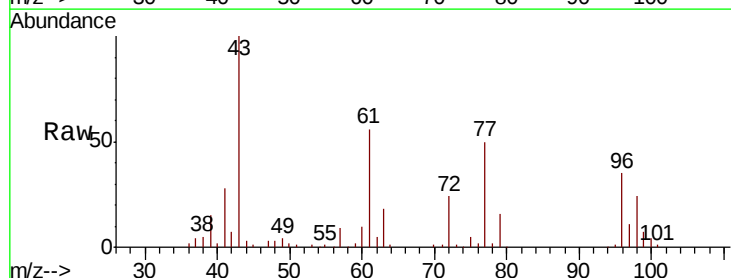
Acq: 5 Dec 2019 12:36

Tgt Ion: 77 Resp: 115088

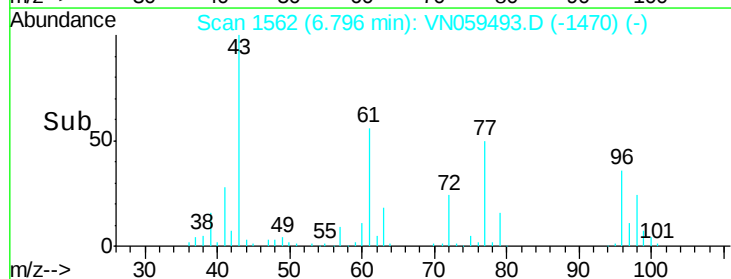
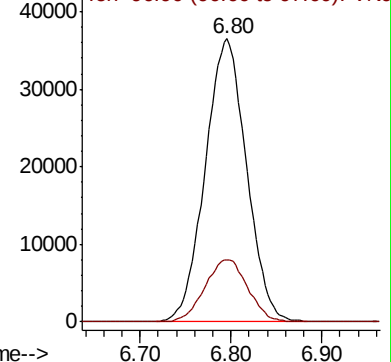
Ion Ratio Lower Upper

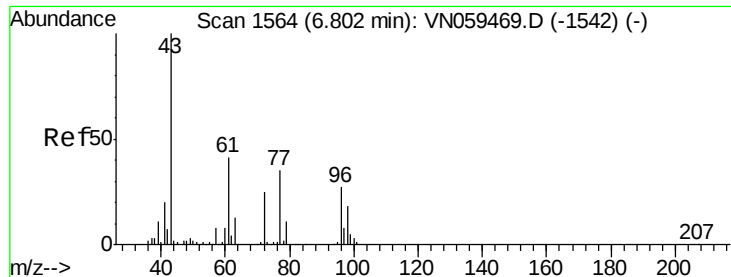
77 100

97 22.7 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VN059469.D (-1538) (-)





#27

cis-1,2-Dichloroethene

Concen: 17.933 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

Instrument :

MSVOA_N

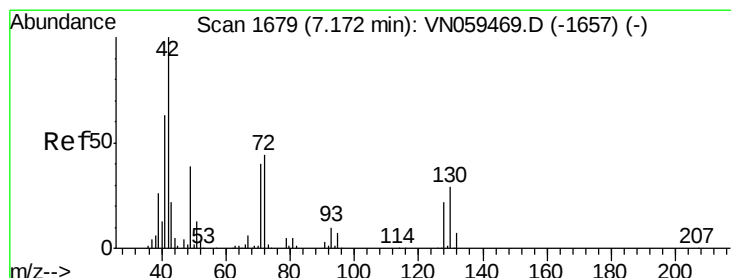
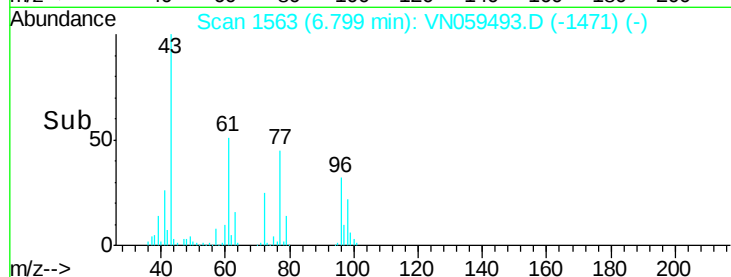
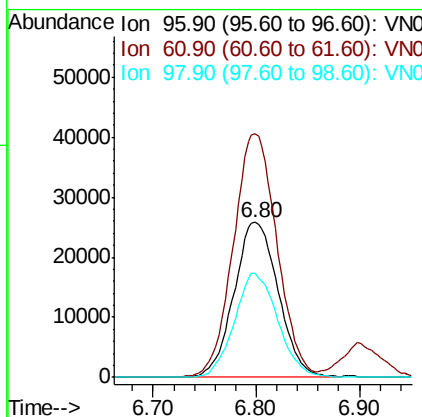
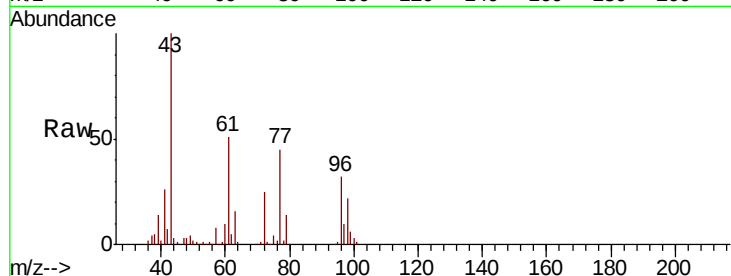
ClientSampleId :

VN1205WBS01

Tot Ion:	96	Resp:	77174
Ion	Ratio	Lower	Upper
96	100		
61	155.0	0.0	307.4
98	65.6	0.0	129.2

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#28

Bromochloromethane

Concen: 15.904 ug/l

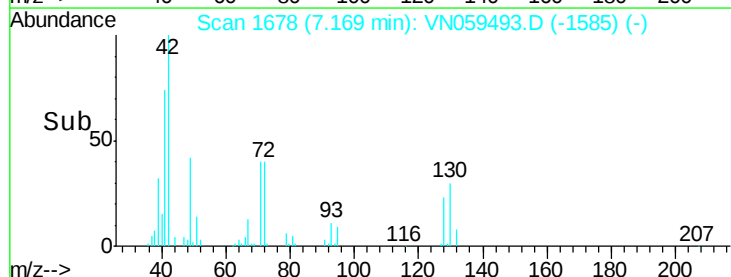
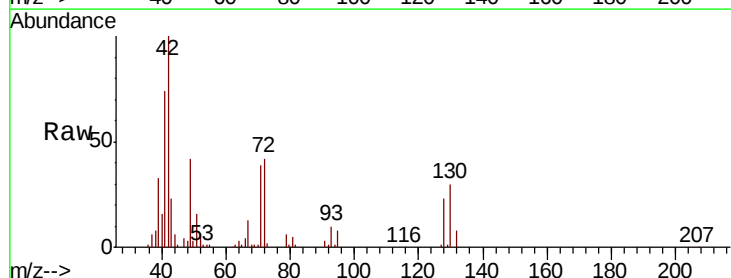
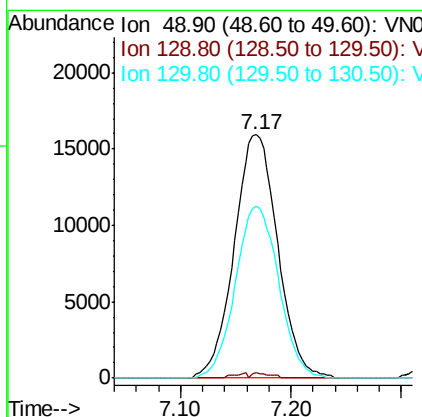
RT: 7.17 min Scan# 1678

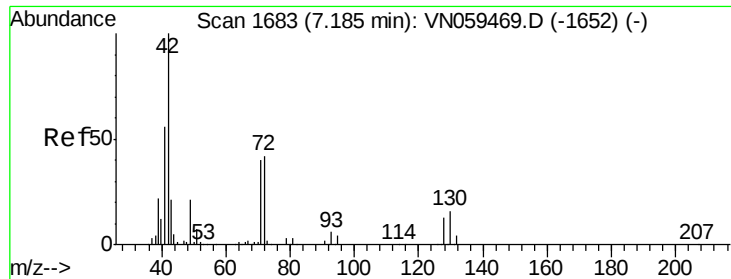
Delta R.T. -0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

Tgt Ion:	49	Resp:	43522
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.2
130	70.3	58.4	87.6





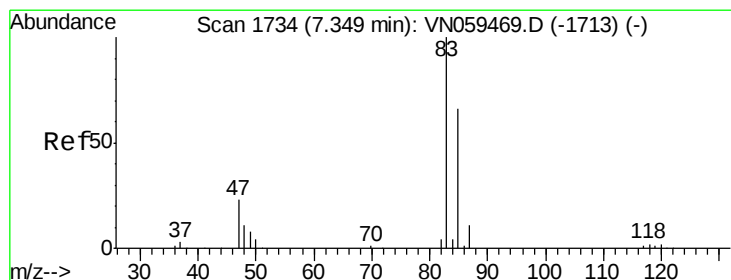
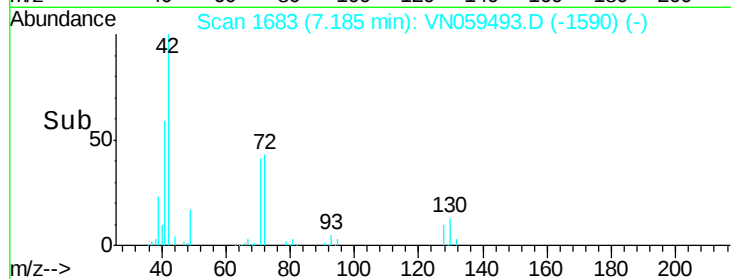
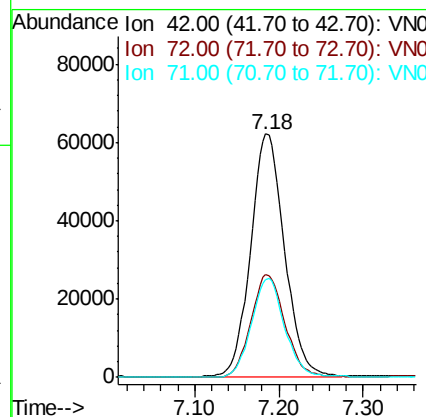
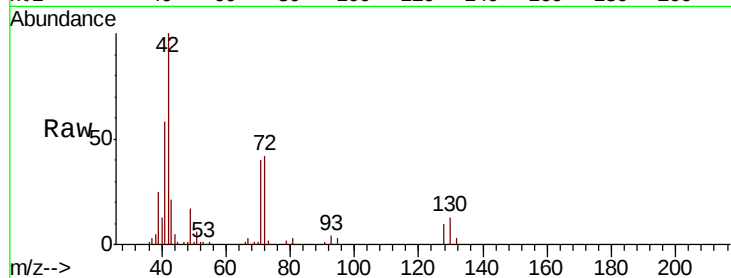
#29
Tetrahydrofuran
Concen: 88.069 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	34.2	51.2
71	39.7	32.0	48.0

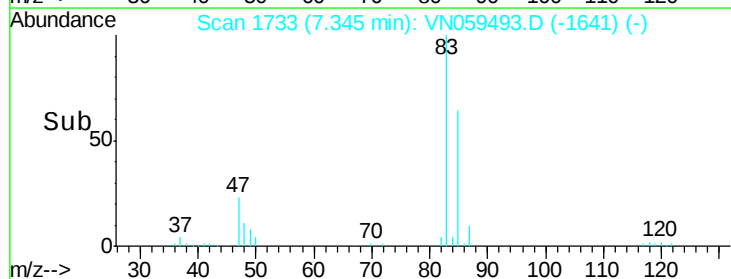
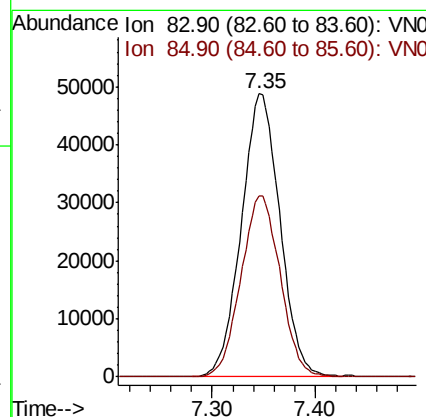
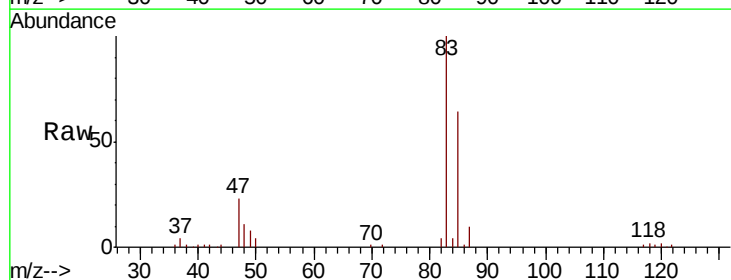
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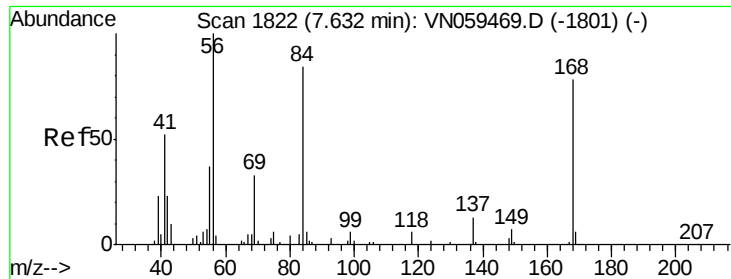
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#30
Chloroform
Concen: 18.238 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.4	78.6





#31

Cyclohexane

Concen: 17.835 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

Instrument :

MSVOA_N

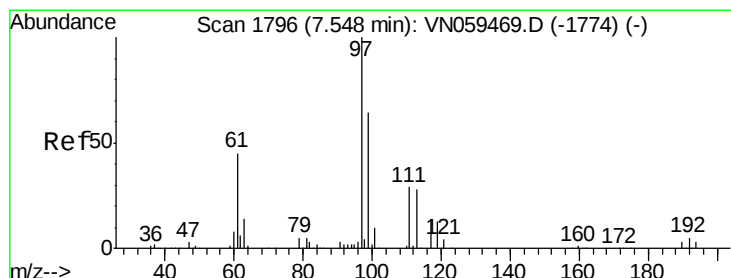
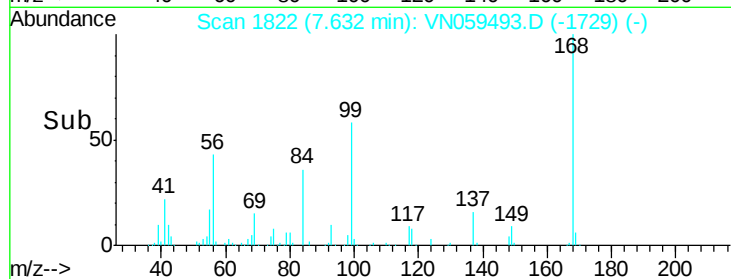
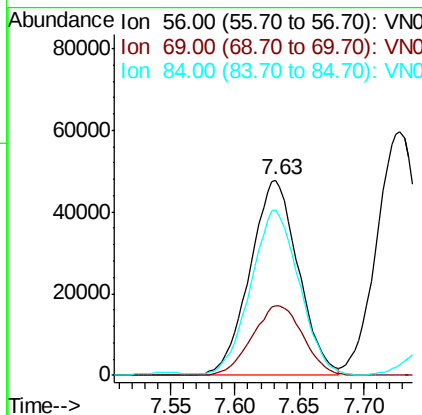
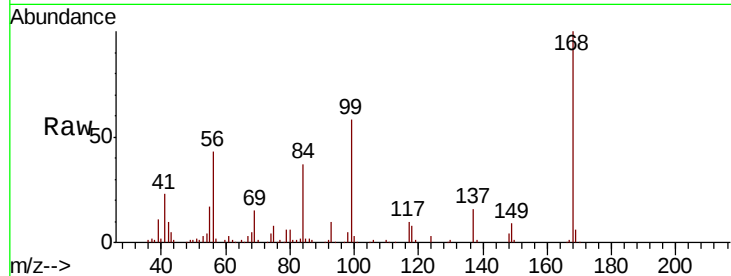
ClientSampleId :

VN1205WBS01

Tot Ion:	56	Resp:	124626
Ion Ratio	Lower	Upper	
56	100		
69	35.9	26.2	39.4
84	84.3	66.8	100.2

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#32

1,1,1-Trichloroethane

Concen: 17.939 ug/l

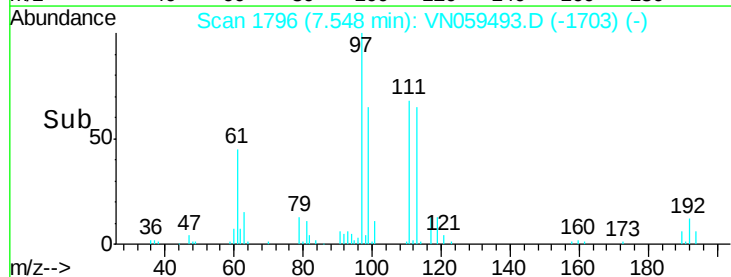
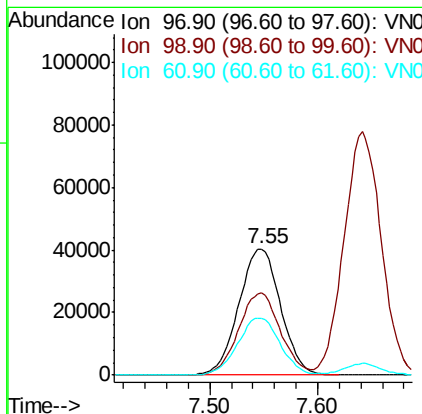
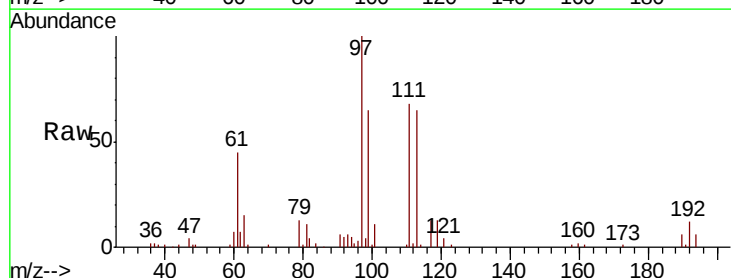
RT: 7.55 min Scan# 1796

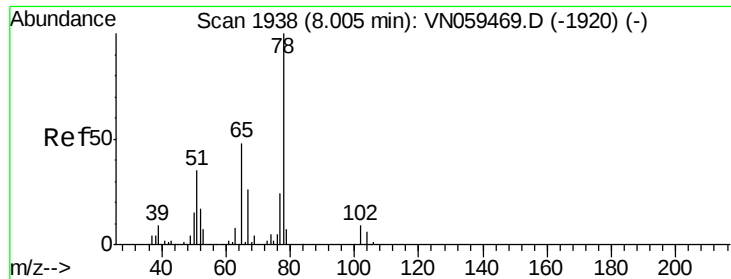
Delta R.T. -0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

Tgt Ion:	97	Resp:	108568
Ion Ratio	Lower	Upper	
97	100		
99	65.0	51.7	77.5
61	46.2	35.4	53.0





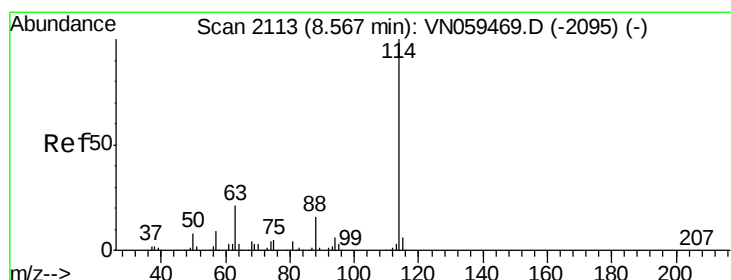
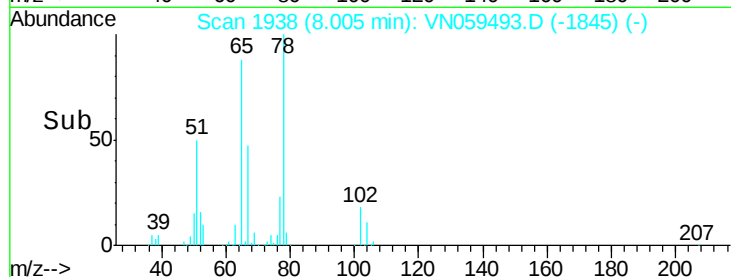
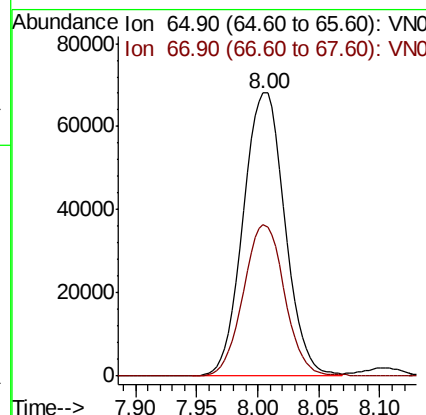
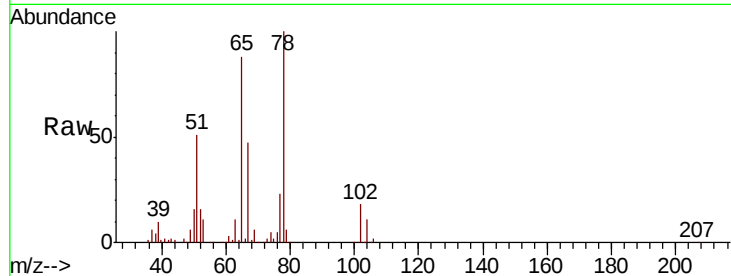
#33
 1,2-Dichloroethane-d4
 Concen: 38.952 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059493.D
 Acq: 5 Dec 2019 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.8	0.0	107.4	

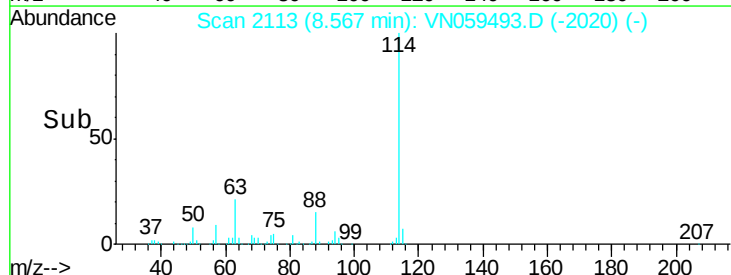
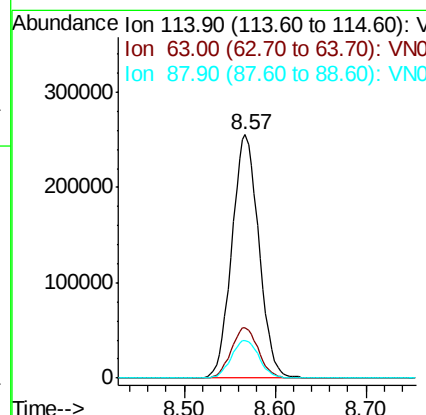
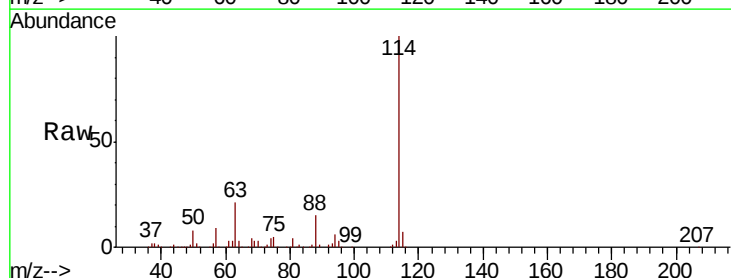
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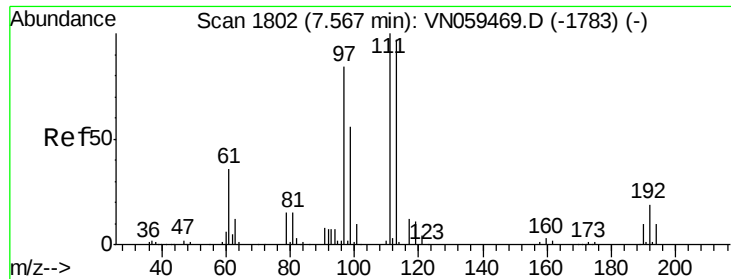
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059493.D
 Acq: 5 Dec 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.9	0.0	42.4	
88	15.5	0.0	32.8	





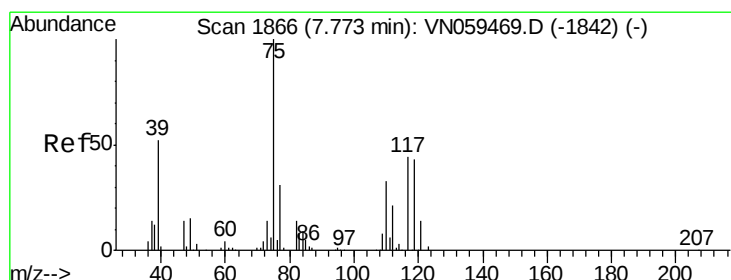
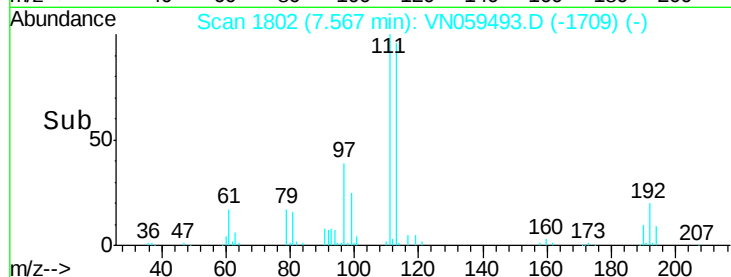
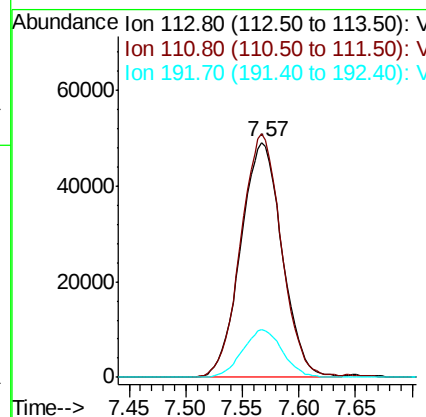
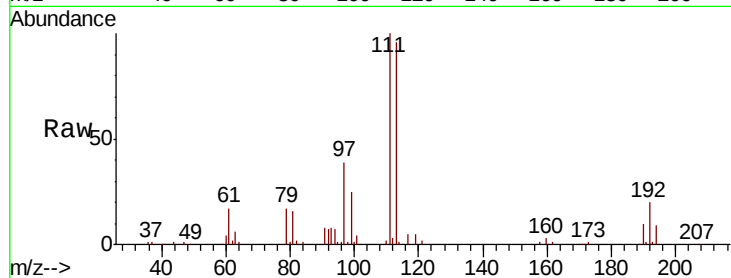
#35
Dibromofluoromethane
Concen: 38.249 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.6	82.5	123.7	
192	19.6	16.1	24.1	

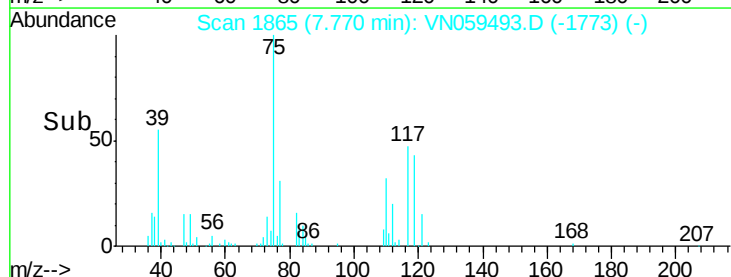
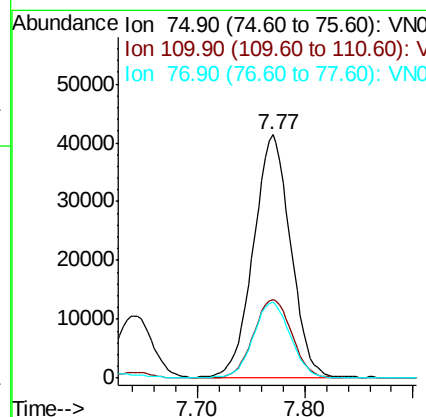
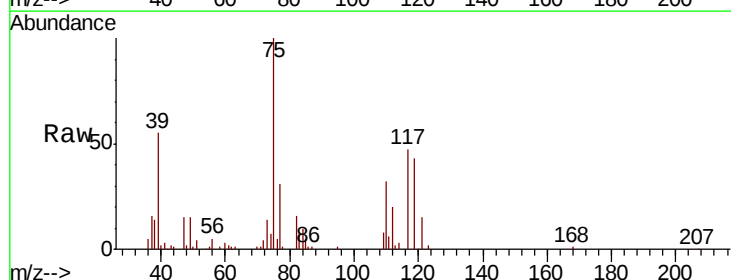
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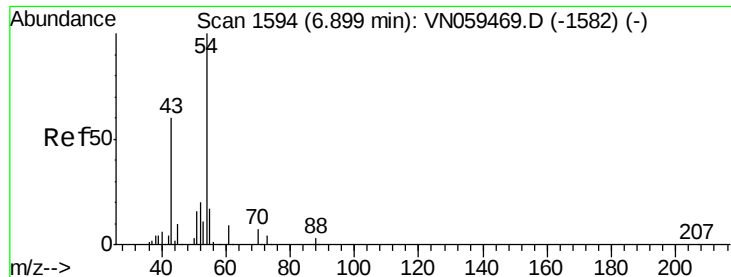
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#36
1,1-Dichloropropene
Concen: 18.135 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.2	16.9	50.7	
77	31.2	25.1	37.7	





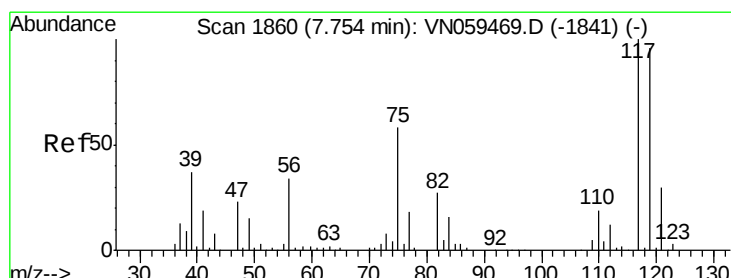
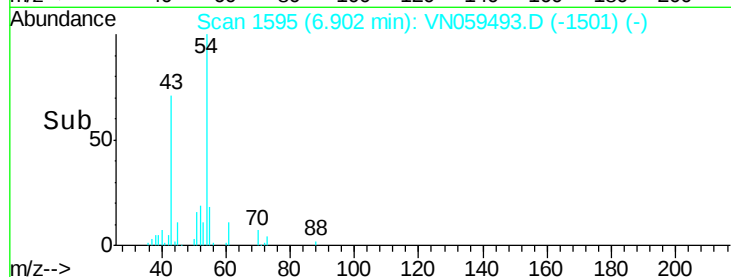
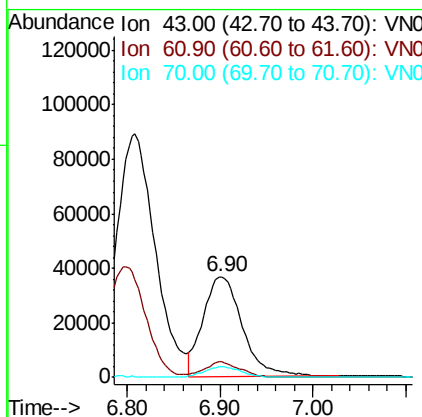
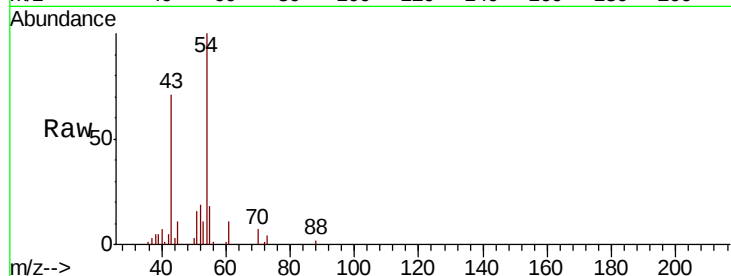
#37
Ethyl Acetate
Concen: 17.559 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Instrument :
MSVOA_N
ClientSampled :
VN1205WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.3	16.9
70	10.0	8.3	12.5

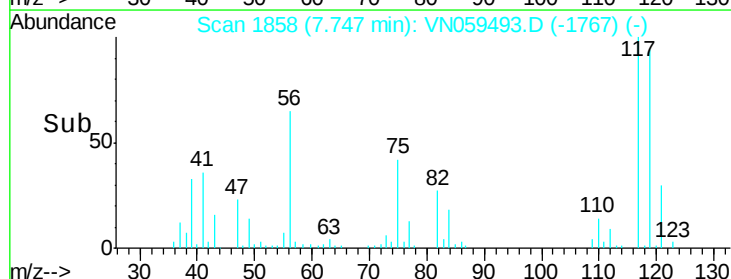
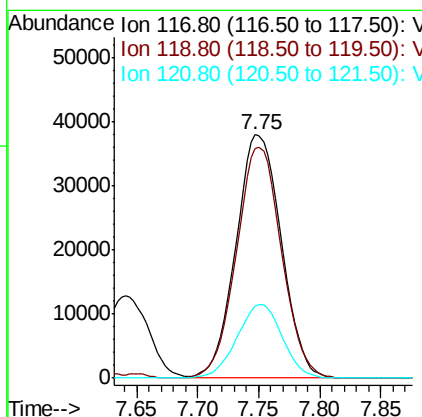
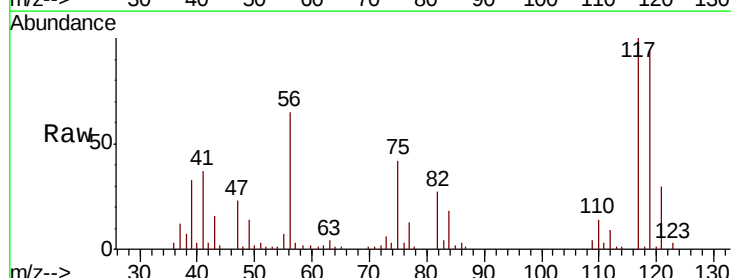
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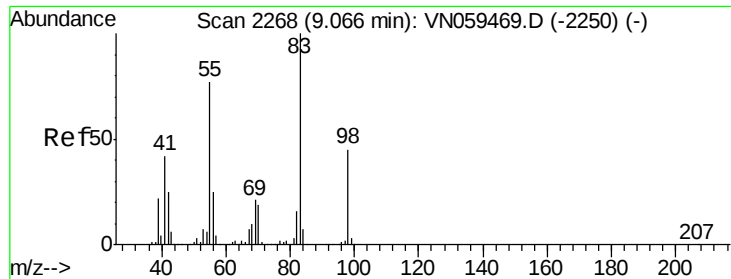
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#38
Carbon Tetrachloride
Concen: 18.597 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.01 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.6	114.8
121	29.7	24.0	36.0





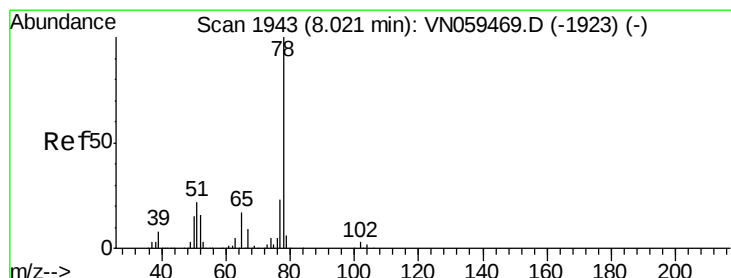
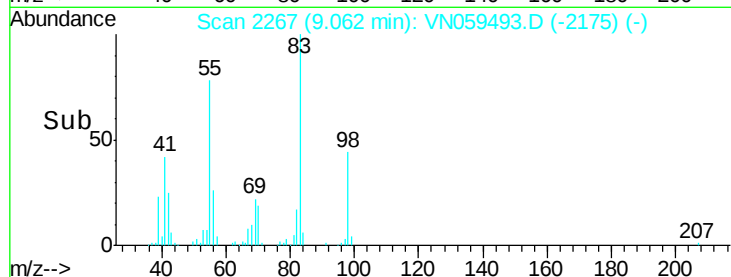
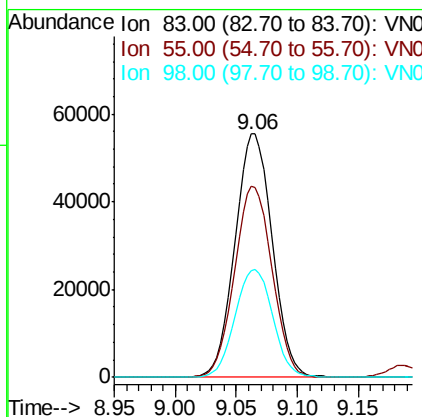
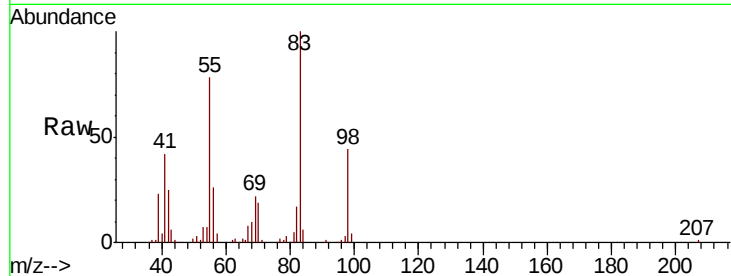
#39
Methvlcvclohexane
Concen: 17.831 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.4	61.8	92.6	
98	43.9	36.2	54.2	

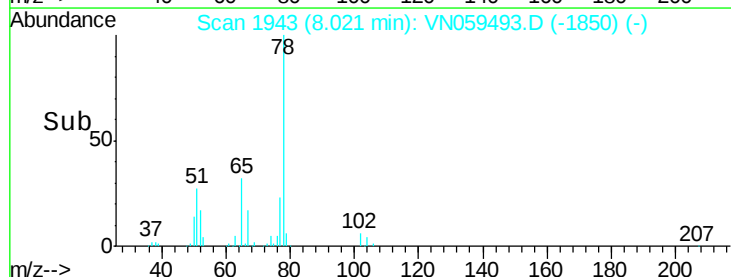
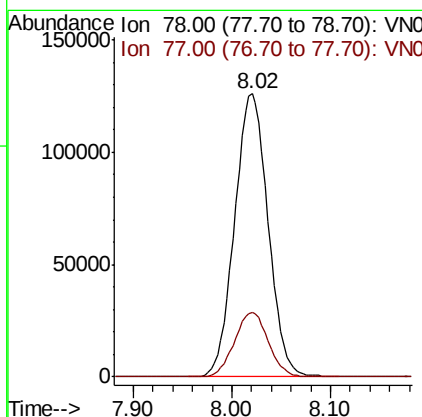
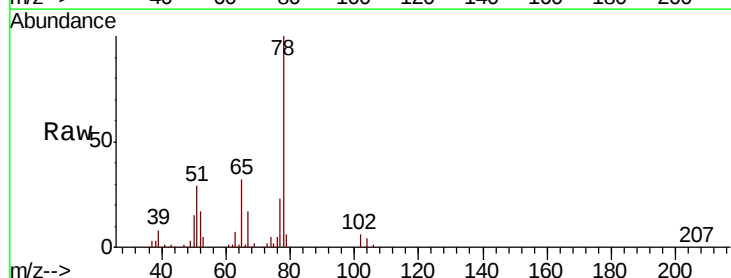
Manual Integrations
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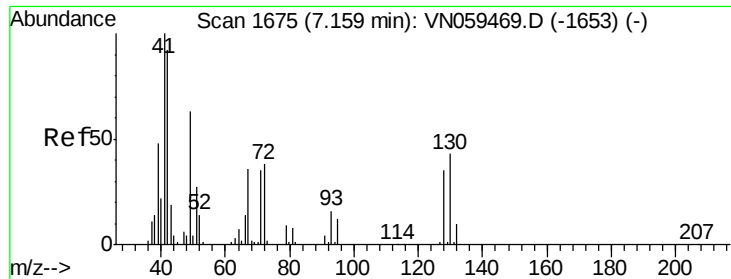
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#40
Benzene
Concen: 18.449 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.8	18.2	27.2	





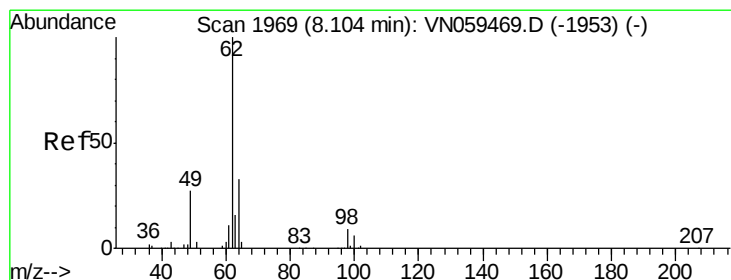
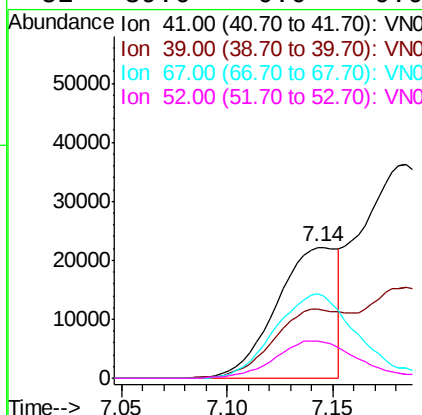
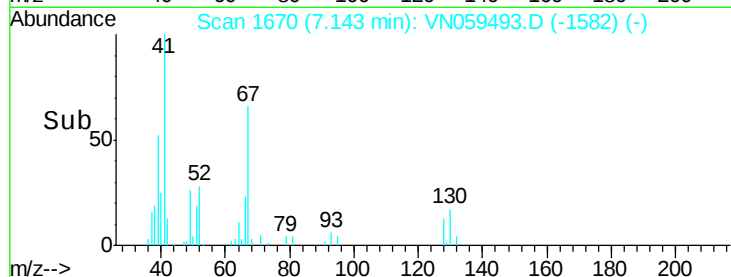
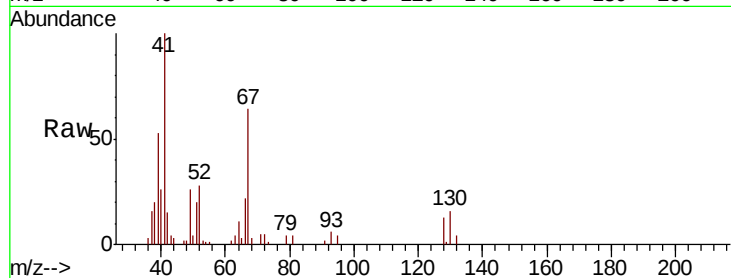
#41
Methacrylonitrile
Concen: 18.083 ug/l
RT: 7.14 min Scan# 1670
Delta R.T. -0.02 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.7	0.0	0.0#
67	87.9	0.0	0.0#
52	39.6	0.0	0.0#

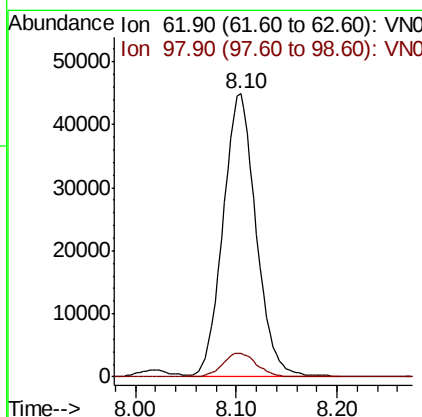
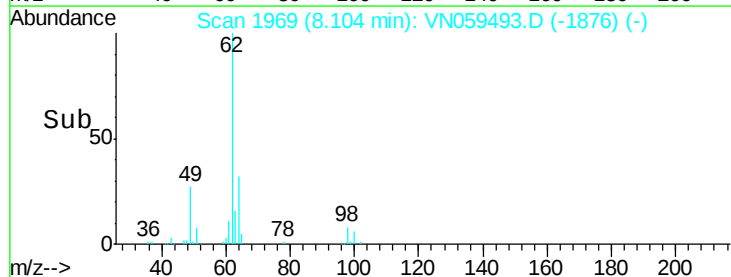
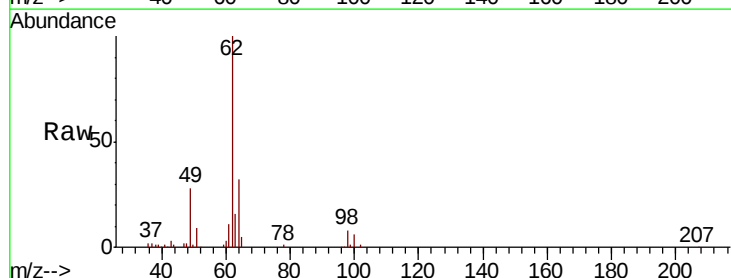
Manual Integrations
APPROVED

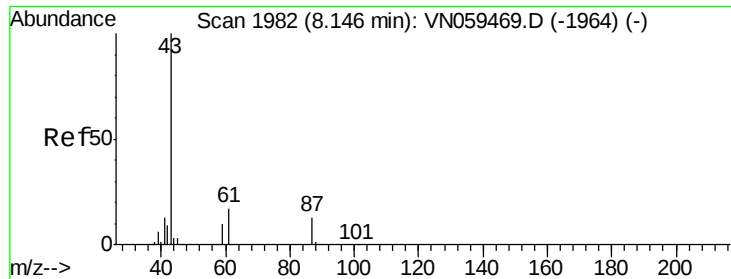
apatel
12/6/2019 2:54:43 PM



#42
1,2-Dichloroethane
Concen: 18.848 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.8





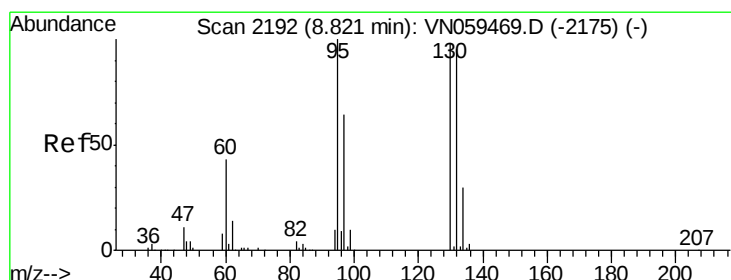
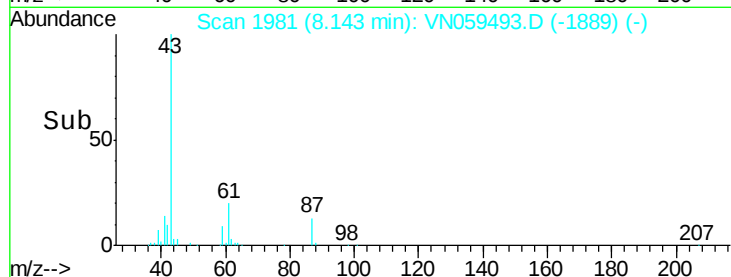
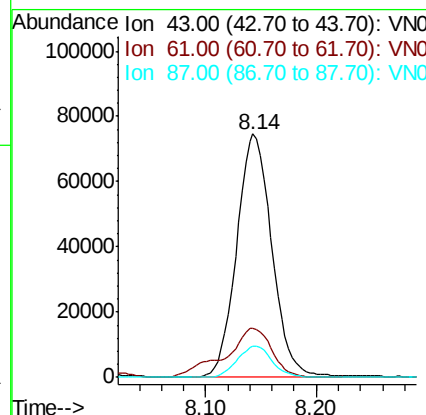
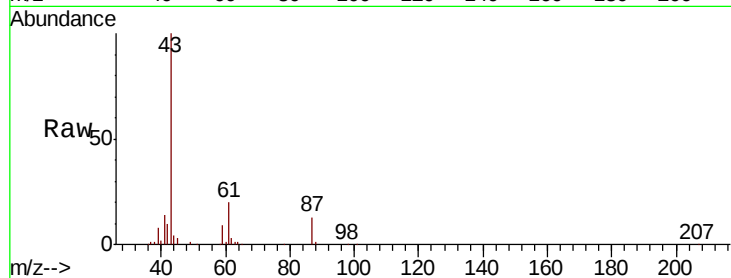
#43
Isopropyl Acetate
Concen: 18.008 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.0	31.6
87	12.8	10.4	15.6

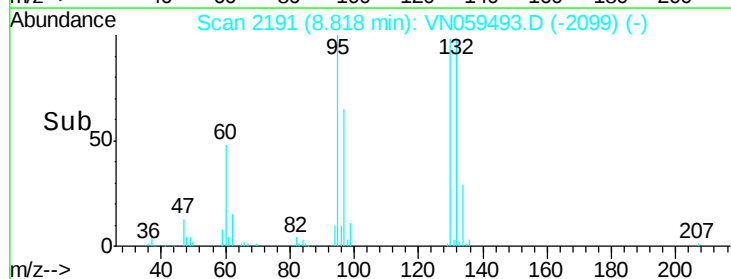
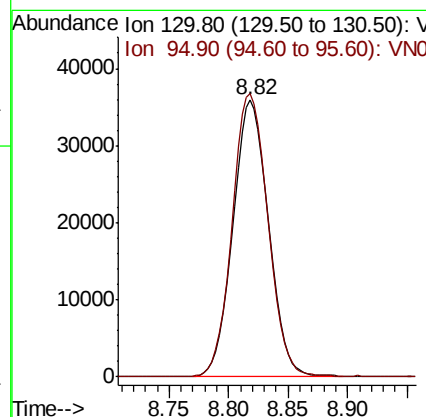
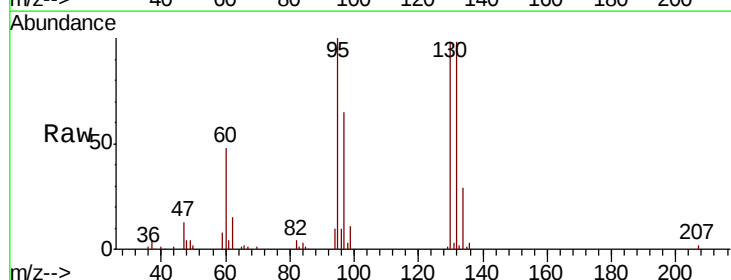
Manual Integrations
APPROVED

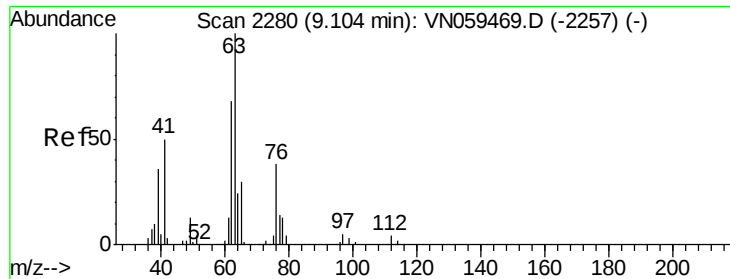
apatel
12/6/2019 2:54:43 PM



#44
Trichloroethene
Concen: 17.787 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	203.6





#45

1,2-Dichloropropane

Concen: 18.767 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

Tot Ion: 63 Resp: 80344

Ion Ratio Lower Upper

63 100

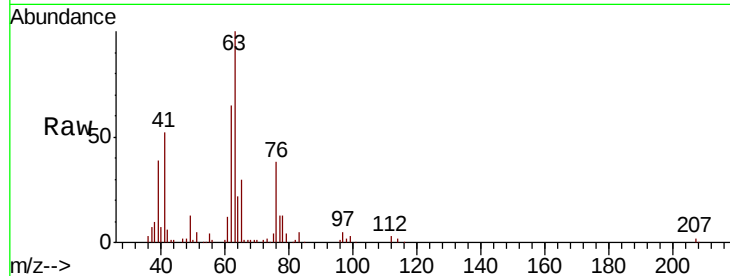
65 29.7 24.4 36.6

Manual Integrations

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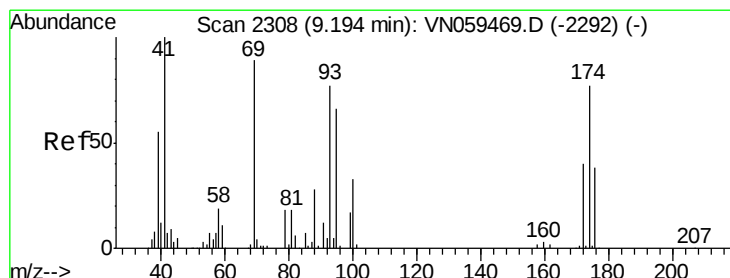
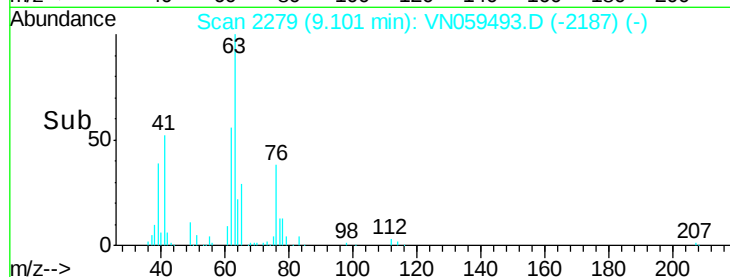
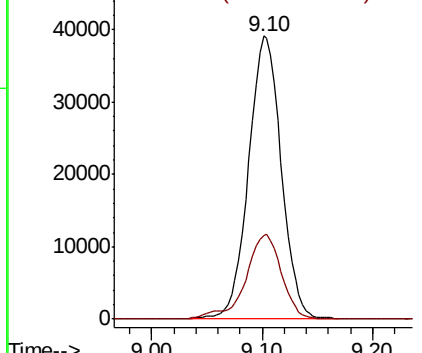
apatel

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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 18.423 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

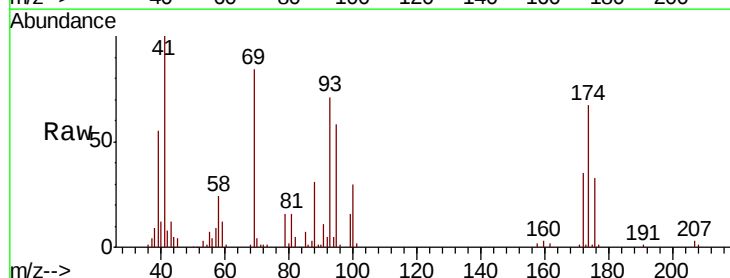
Tgt Ion: 93 Resp: 49104

Ion Ratio Lower Upper

93 100

95 82.8 67.0 100.6

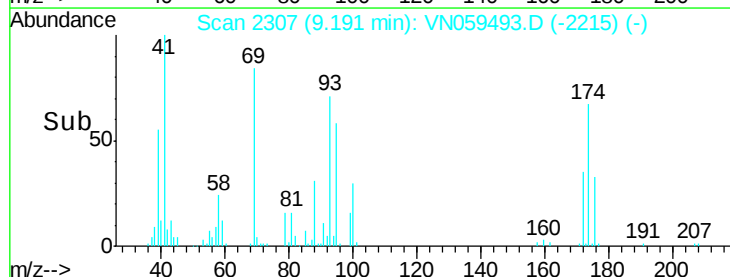
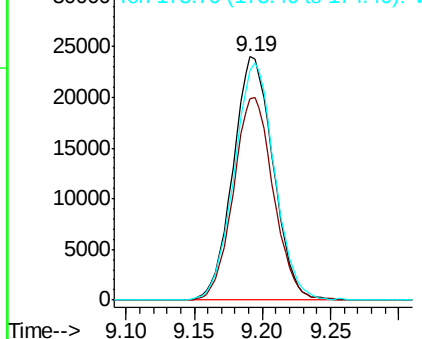
174 97.9 79.6 119.4

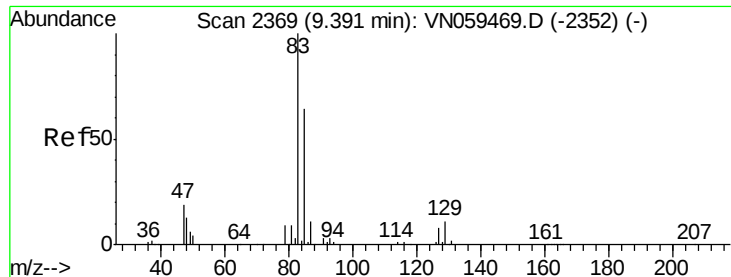


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





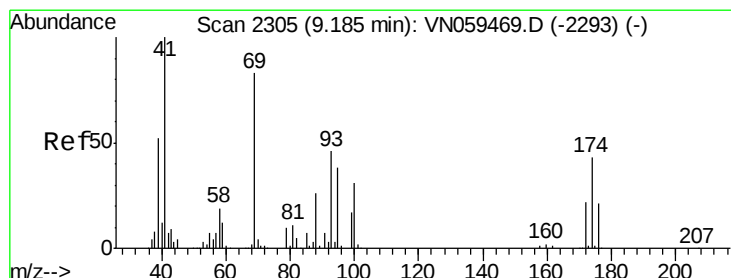
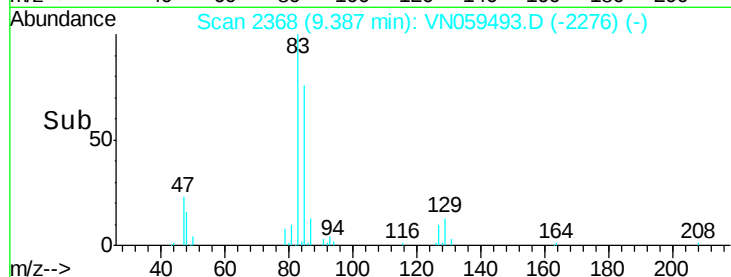
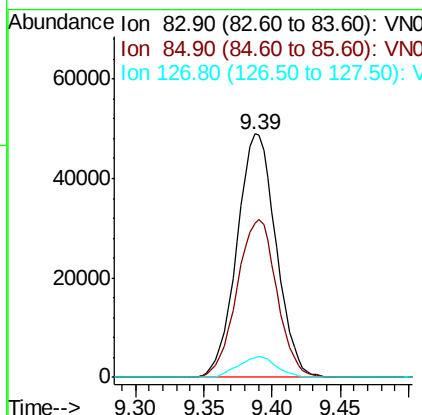
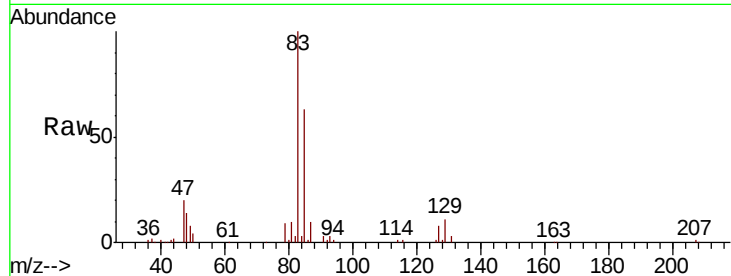
#47
Bromodichloromethane
Concen: 18.210 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.0	76.6
127	8.2	6.6	9.8

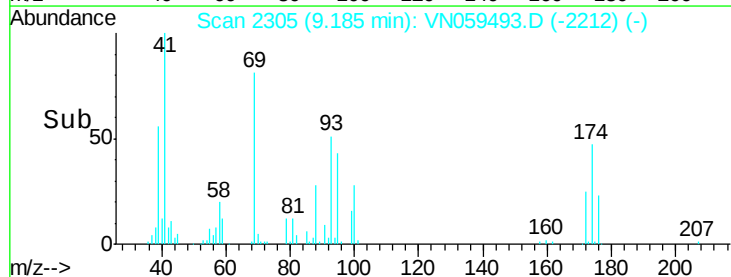
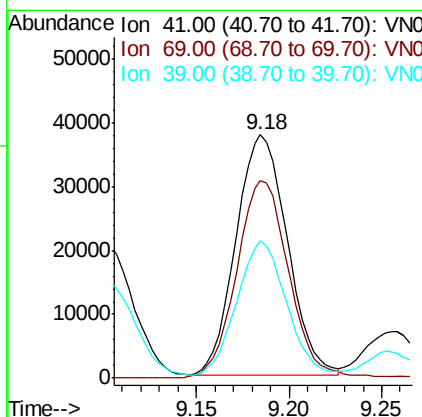
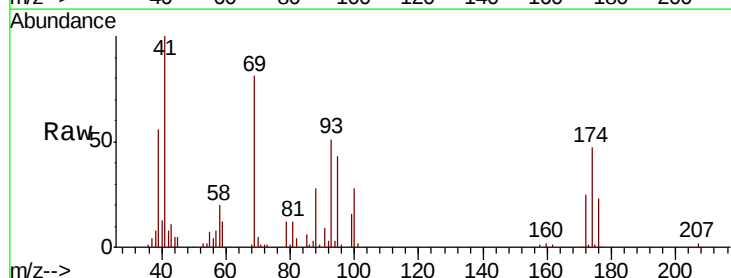
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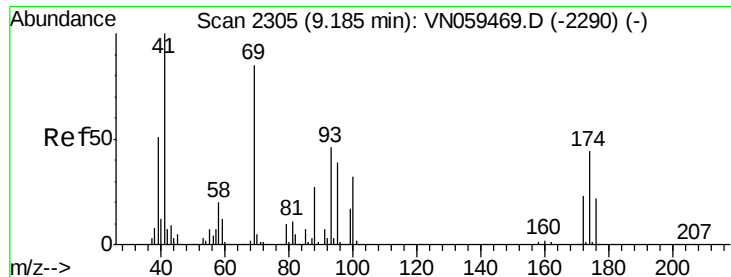
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#48
Methyl methacrylate
Concen: 17.617 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.1	68.6	103.0
39	56.0	43.2	64.8





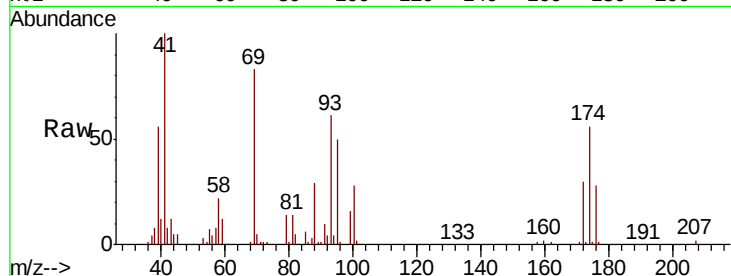
#49
1,4-Dioxane
Concen: 386.128 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Instrument :
MSVOA_N
ClientSampled :
VN1205WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.5	27.1	40.7
58	73.3	57.8	86.6

Manual Integrations
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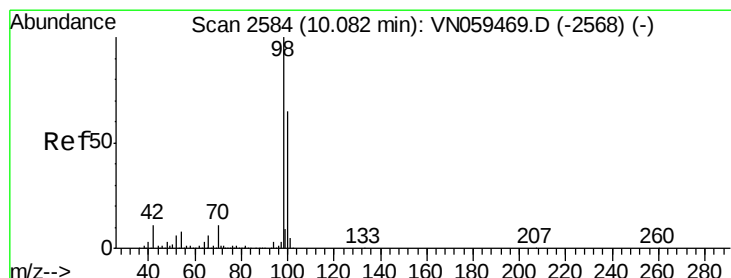
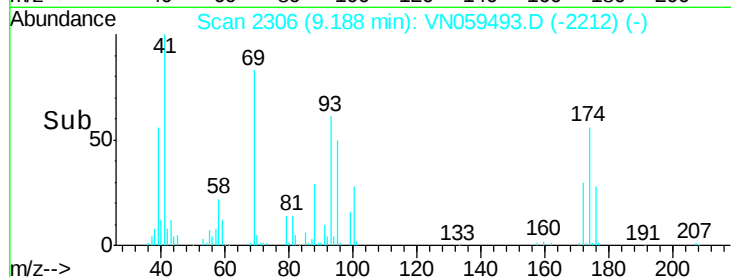
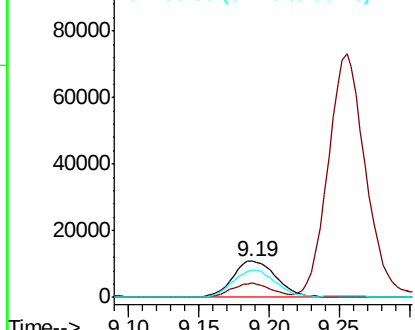


Abundance

Ion 88.00 (87.70 to 88.70): VN059493.D (-2290) (-)

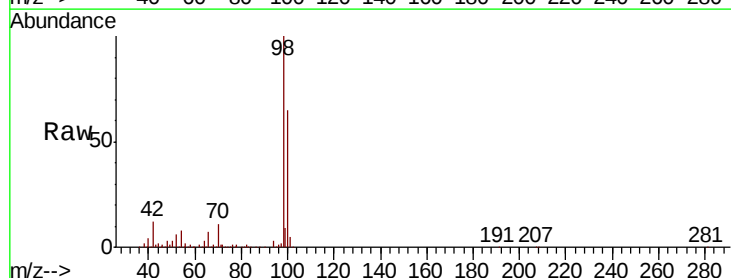
Ion 43.00 (42.70 to 43.70): VN059493.D (-2290) (-)

Ion 58.00 (57.70 to 58.70): VN059493.D (-2290) (-)



#50
Toluene-d8
Concen: 37.832 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

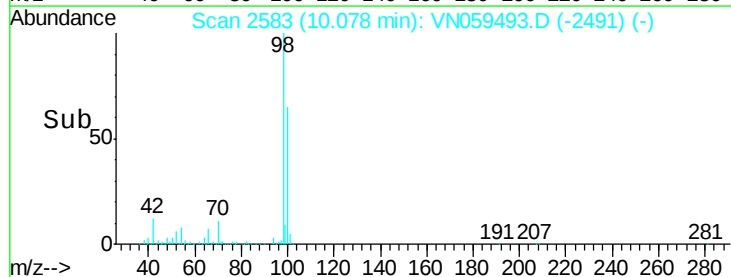
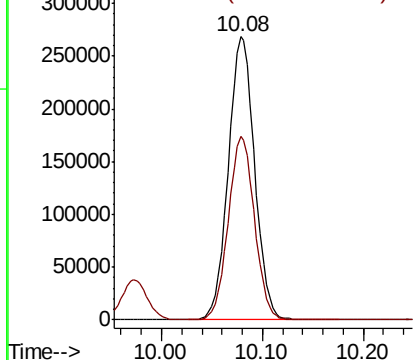
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.1	78.1

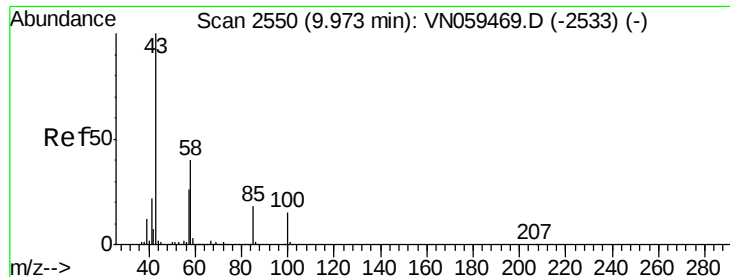


Abundance

Ion 98.00 (97.70 to 98.70): VN059493.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN059493.D (-2568) (-)





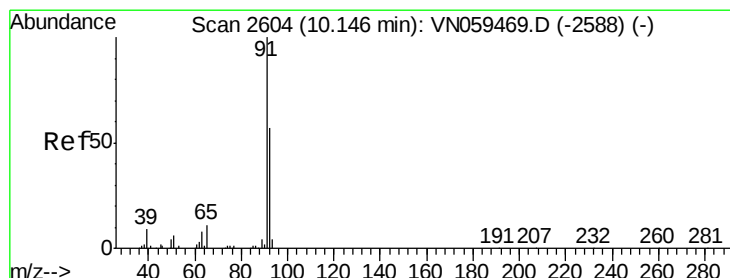
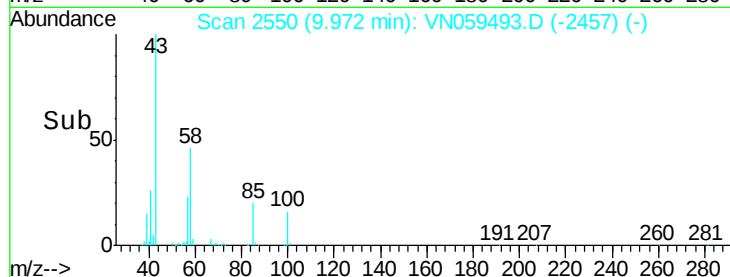
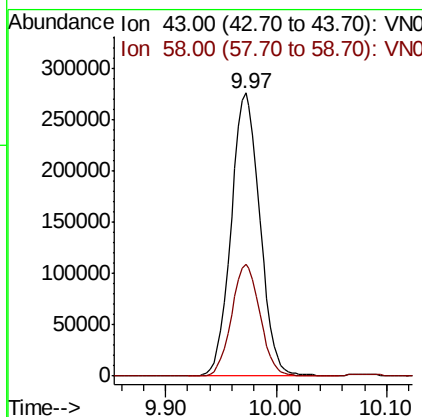
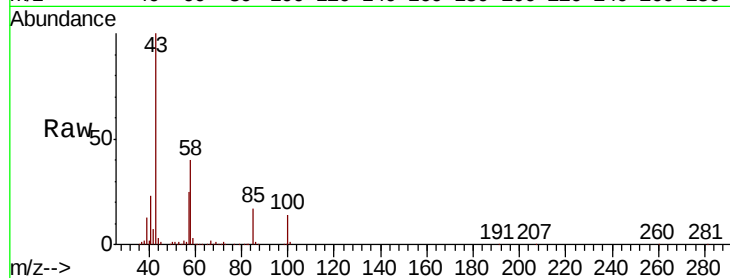
#51
4-Methyl-2-Pentanone
Concen: 92.468 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.3	32.1	48.1

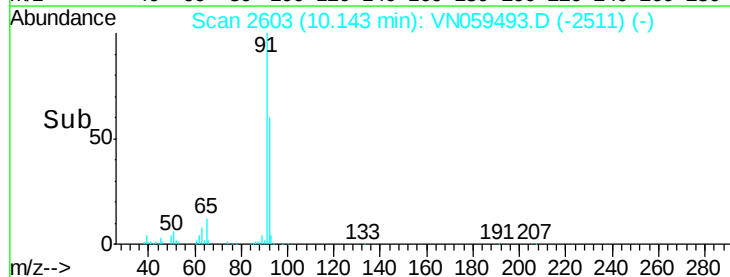
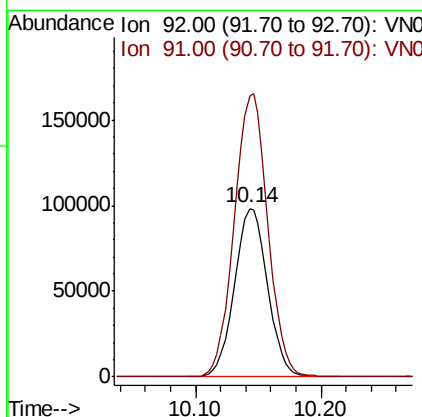
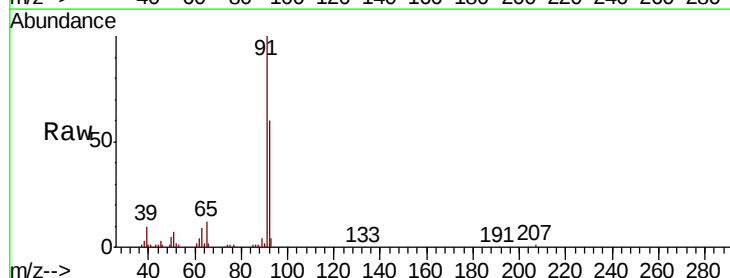
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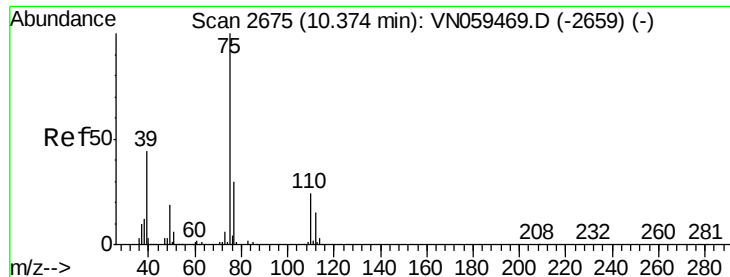
apatel
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#52
Toluene
Concen: 18.478 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.5	138.6	208.0





#53

t-1,3-Dichloropropene

Concen: 17.926 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

Tot Ion: 75 Resp: 112732

Ion Ratio Lower Upper

75 100

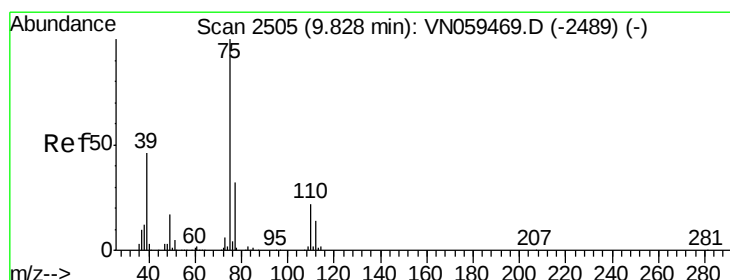
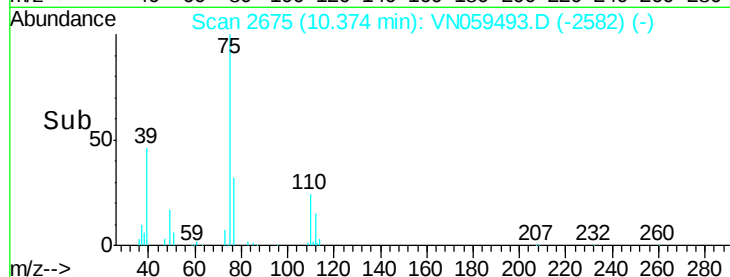
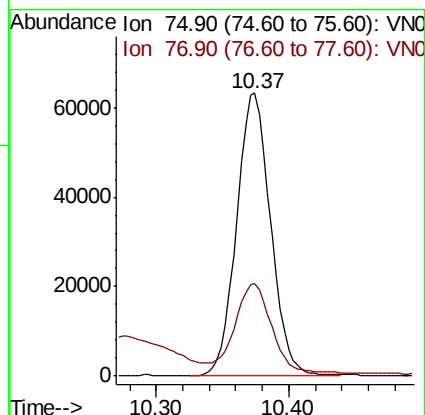
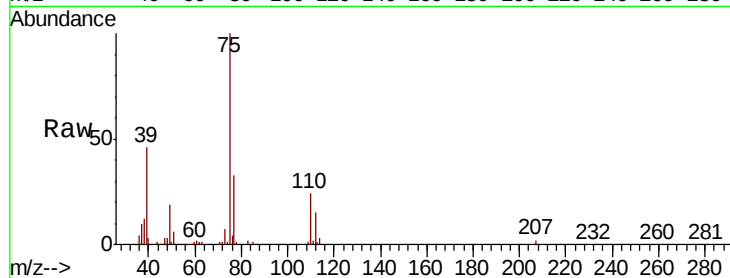
77 31.4 25.0 37.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.575 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

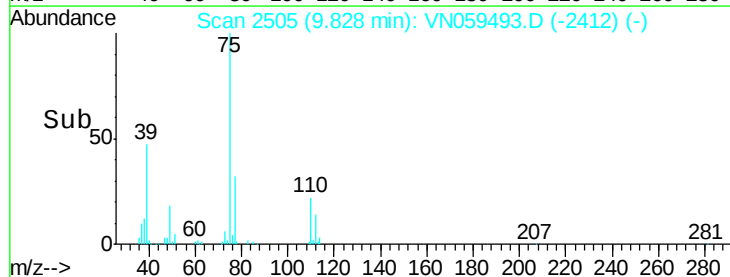
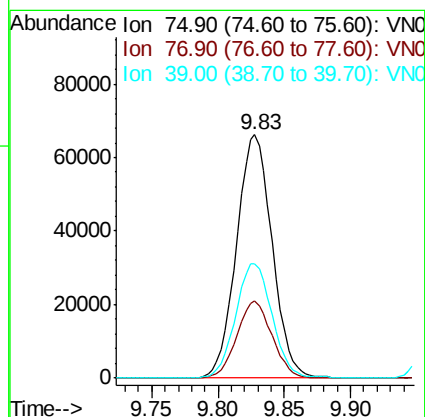
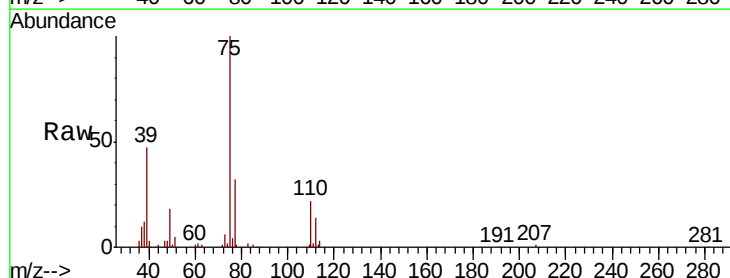
Tgt Ion: 75 Resp: 123812

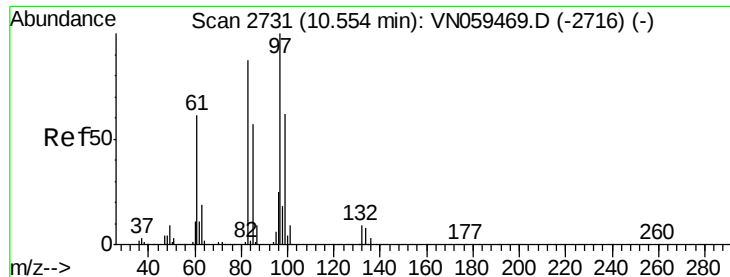
Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

39 47.2 36.6 54.8





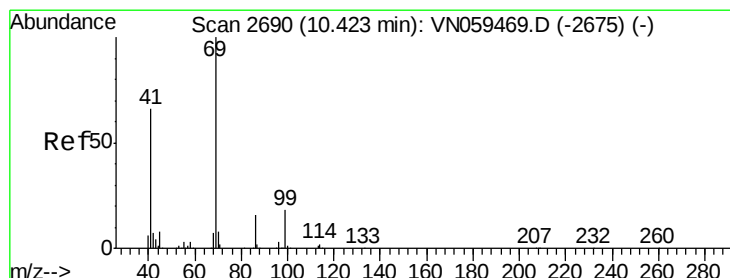
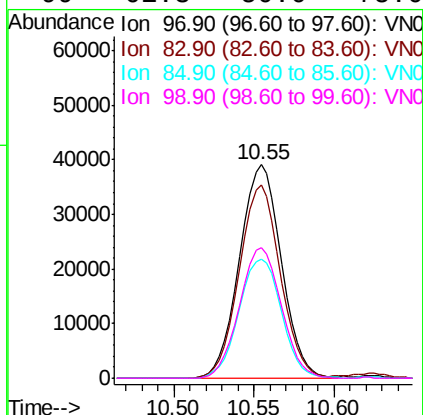
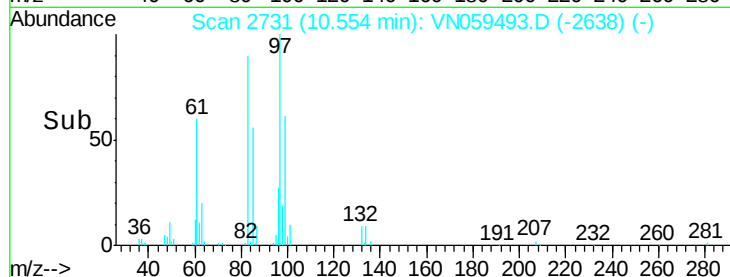
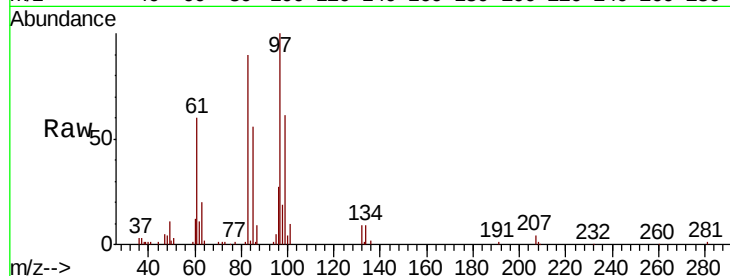
#55
 1,1,2-Trichloroethane
 Concen: 18.284 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059493.D
 Acq: 5 Dec 2019 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

Tot Ion:	97	Resp:	69851
Ion	Ratio	Lower	Upper
97	100		
83	90.3	69.8	104.8
85	55.8	45.5	68.3
99	61.3	50.0	75.0

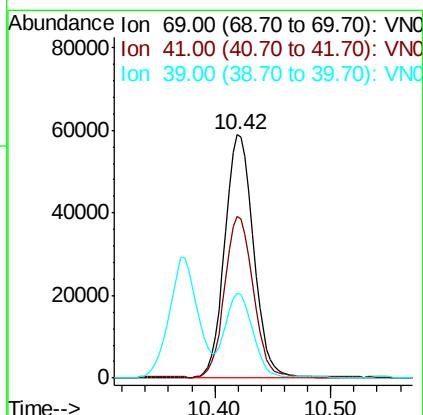
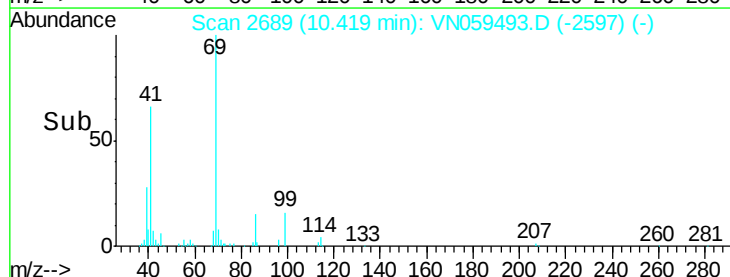
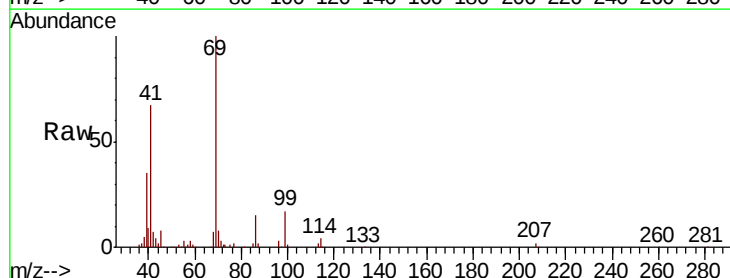
Manual Integrations
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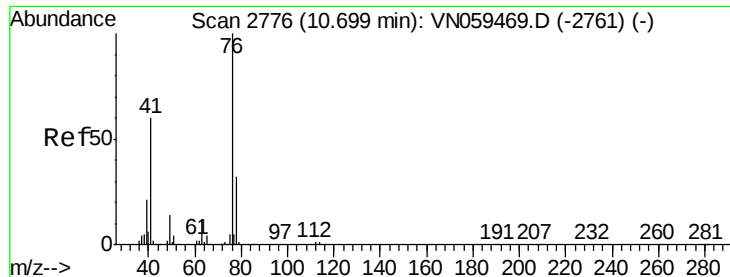
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#56
 Ethyl methacrylate
 Concen: 17.322 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN059493.D
 Acq: 5 Dec 2019 12:36

Tgt Ion:	69	Resp:	101092
Ion	Ratio	Lower	Upper
69	100		
41	65.0	52.7	79.1
39	33.1	25.0	37.6





#57

1,3-Dichloropropane

Concen: 18.379 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

Instrument :

MSVOA_N

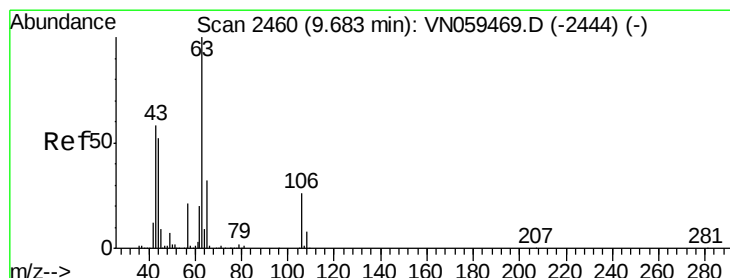
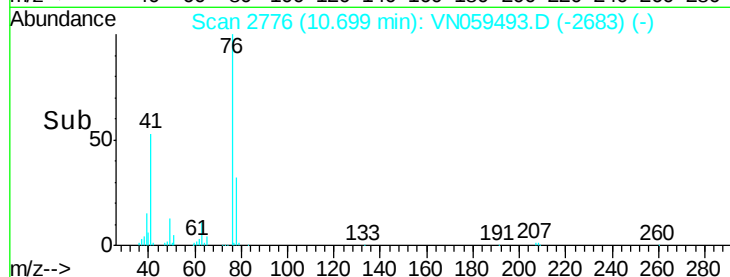
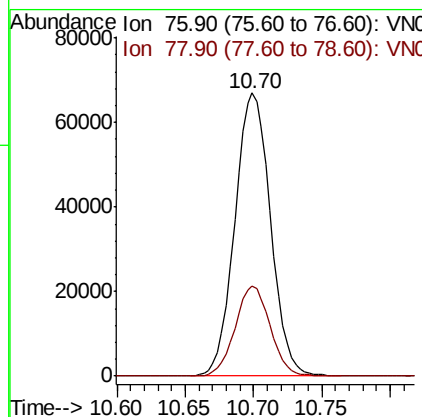
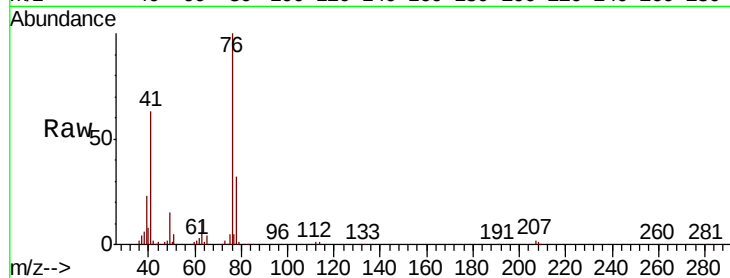
ClientSampleId :

VN1205WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.8	38.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 84.067 ug/l

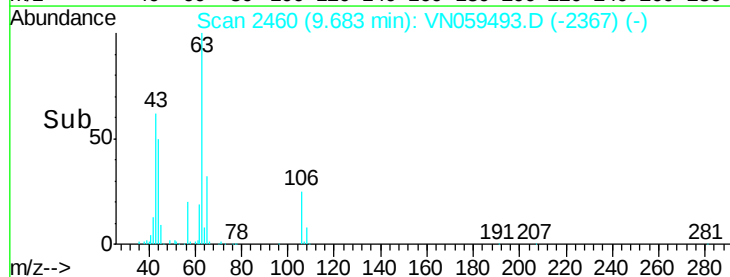
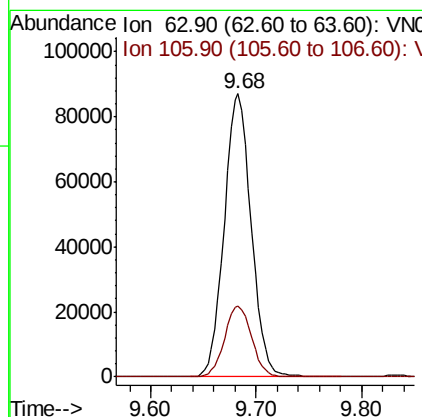
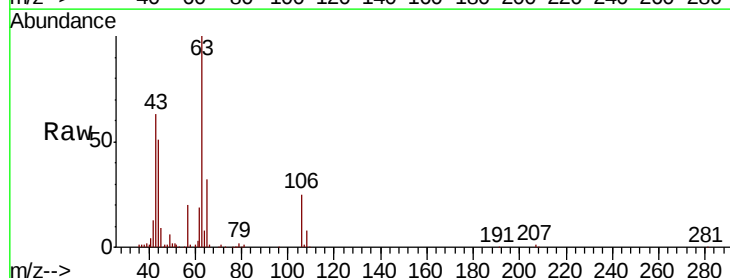
RT: 9.68 min Scan# 2460

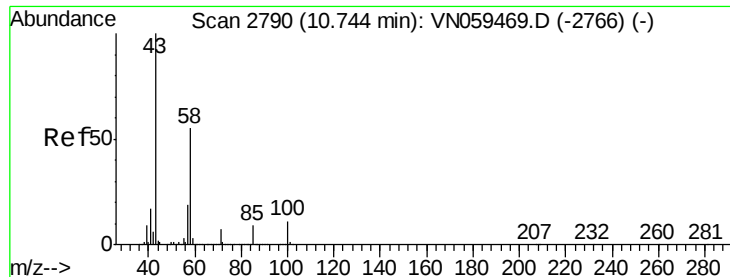
Delta R.T. -0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.4	20.4	30.6





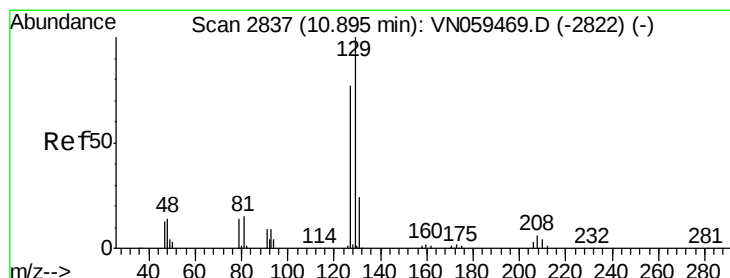
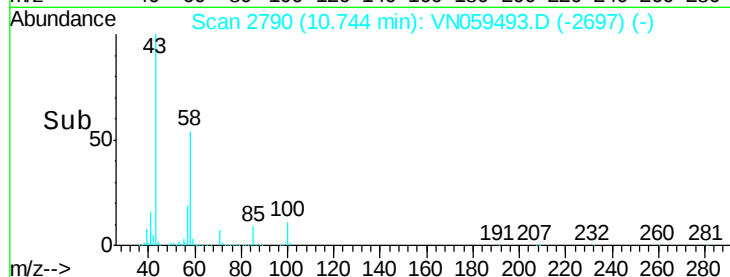
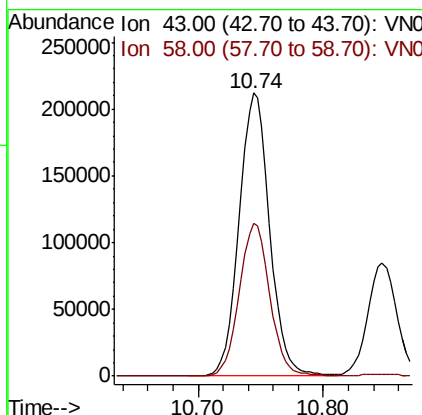
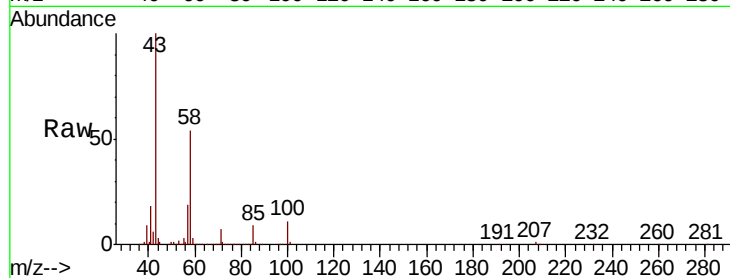
#59
2-Hexanone
Concen: 88.371 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.1	27.7	83.0

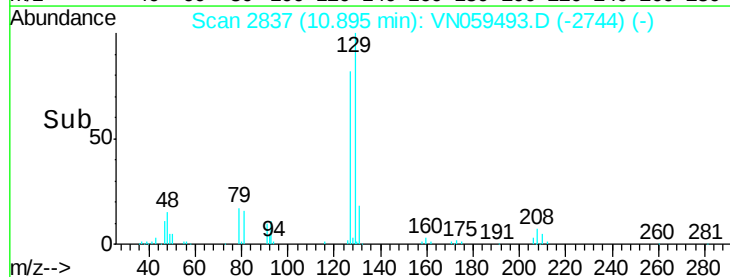
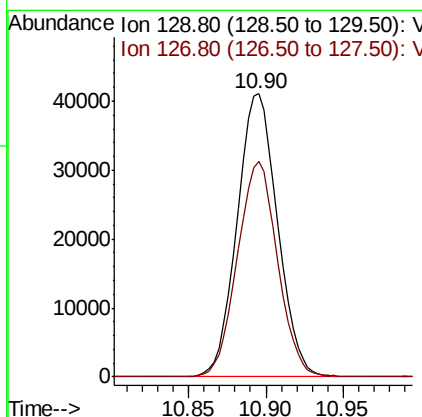
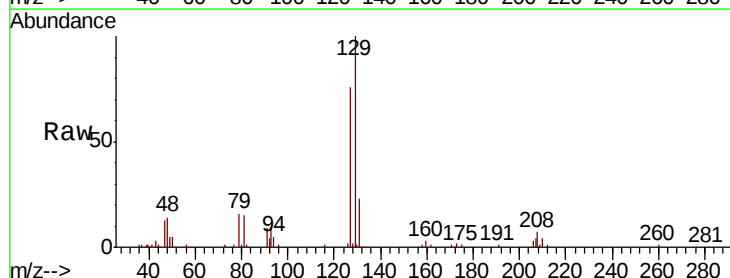
Manual Integrations
APPROVED

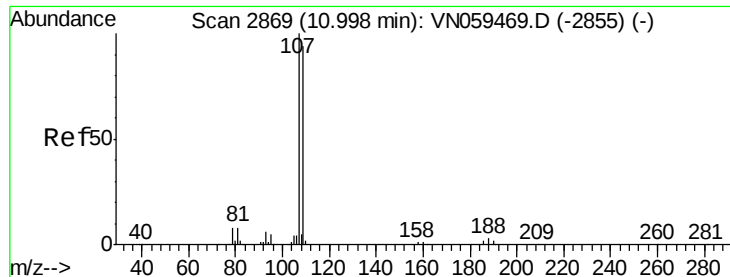
apatel
12/6/2019 2:54:43 PM



#60
Dibromochloromethane
Concen: 18.272 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.6	39.0	116.9





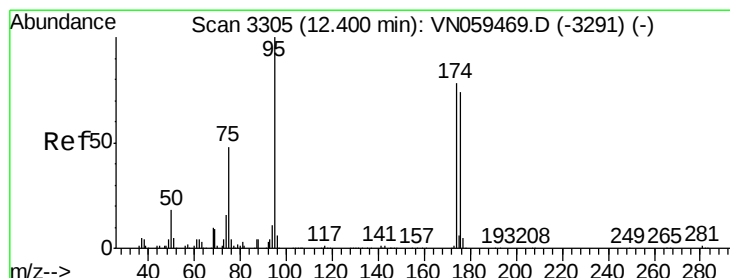
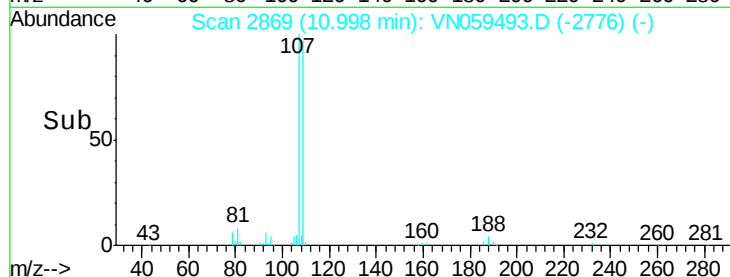
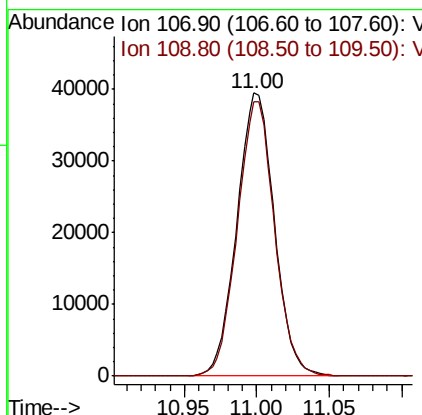
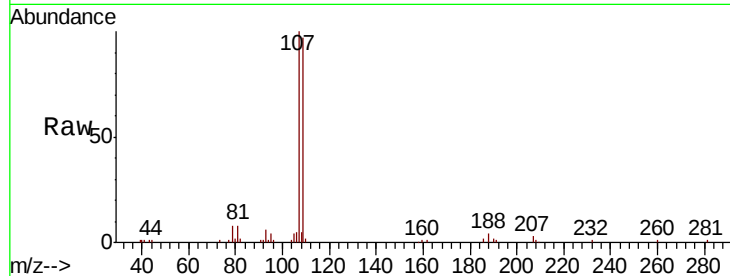
#61
 1,2-Dibromoethane
 Concen: 17.988 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059493.D
 Acq: 5 Dec 2019 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

Tot Ion: 107 Resp: 71012
 Ion Ratio Lower Upper
 107 100
 109 96.1 75.4 113.0

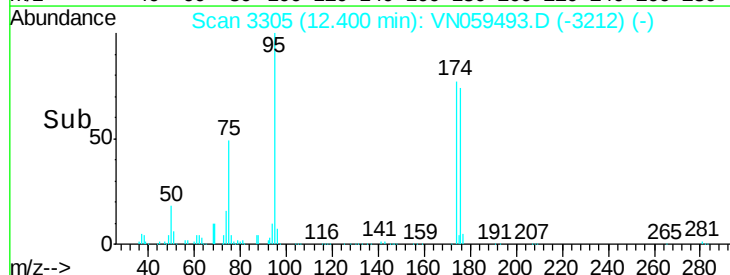
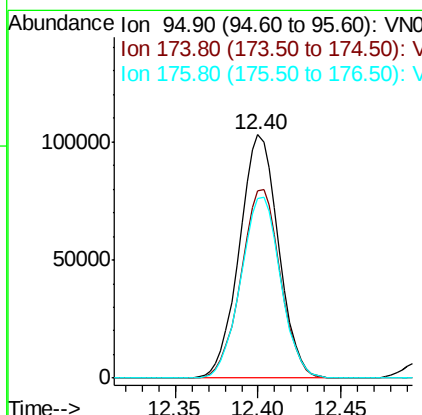
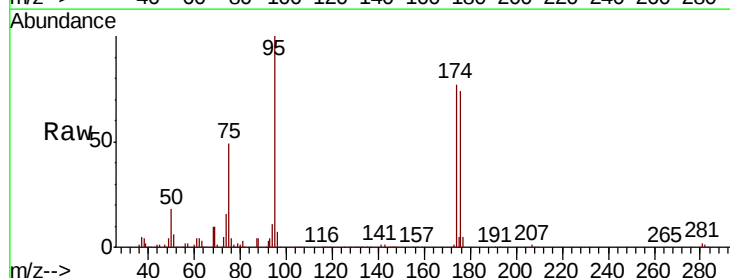
Manual Integrations
 APPROVED

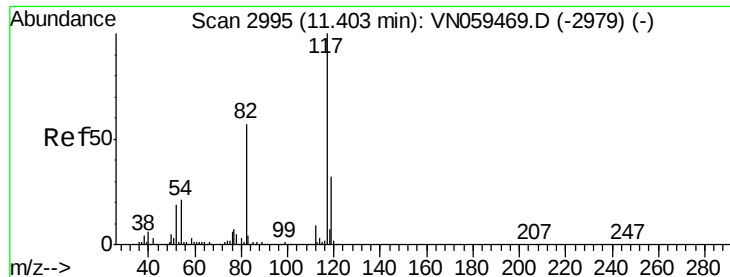
apatel
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#62
 4-Bromofluorobenzene
 Concen: 37.474 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059493.D
 Acq: 5 Dec 2019 12:36

Tgt Ion: 95 Resp: 168995
 Ion Ratio Lower Upper
 95 100
 174 78.1 0.0 157.0
 176 75.7 0.0 152.4





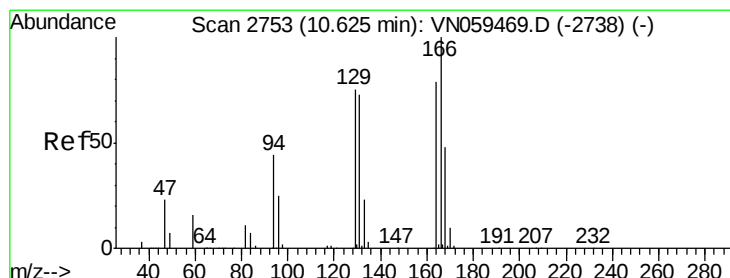
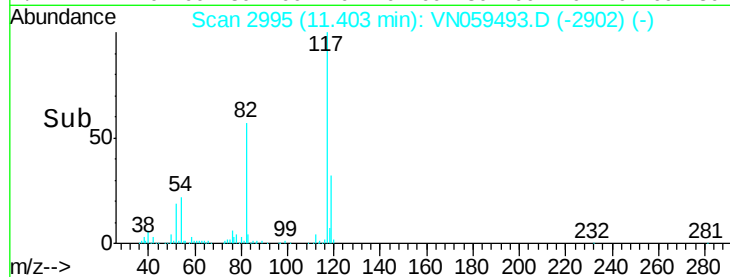
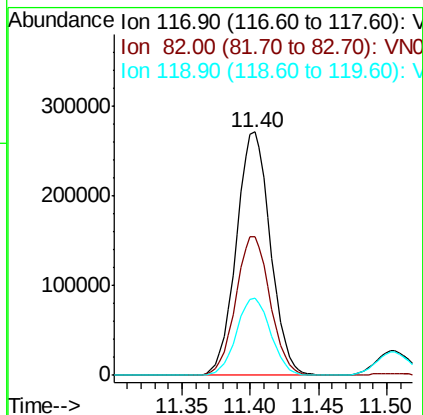
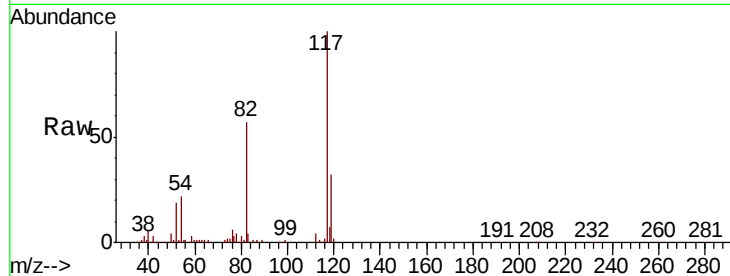
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.8	68.8
119	31.8	25.4	38.0

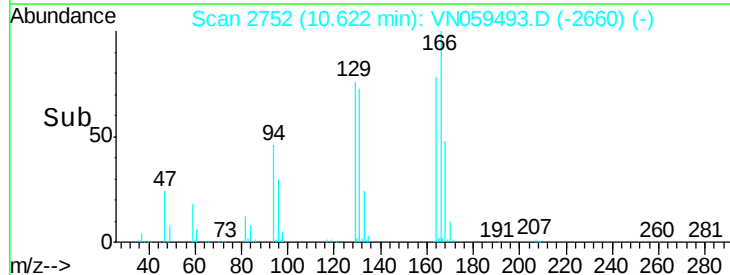
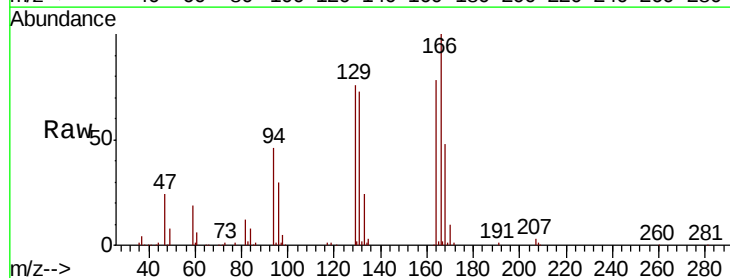
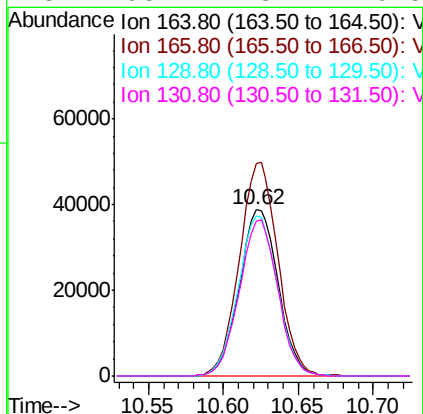
Manual Integrations
APPROVED

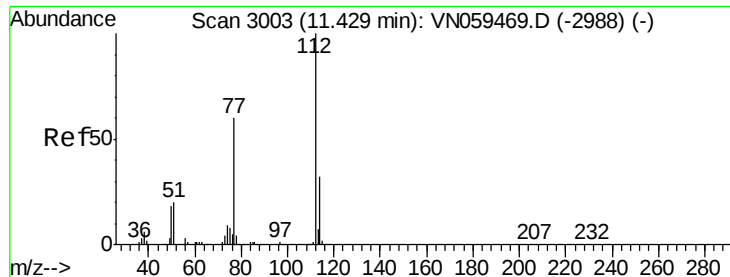
apatel
12/6/2019 2:54:43 PM



#64
Tetrachloroethene
Concen: 17.539 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	101.2	151.8
129	96.7	76.1	114.1
131	93.2	73.7	110.5





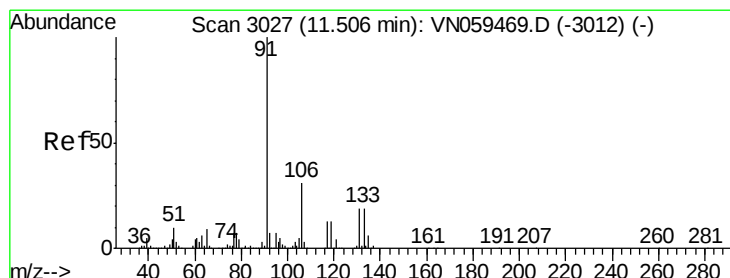
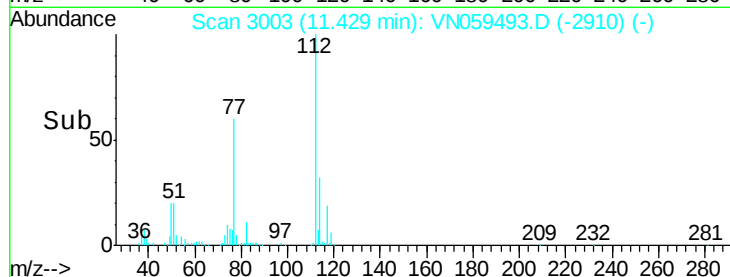
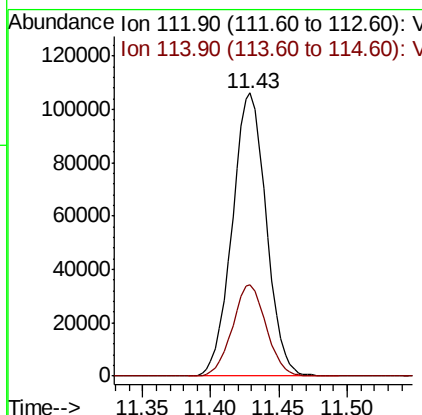
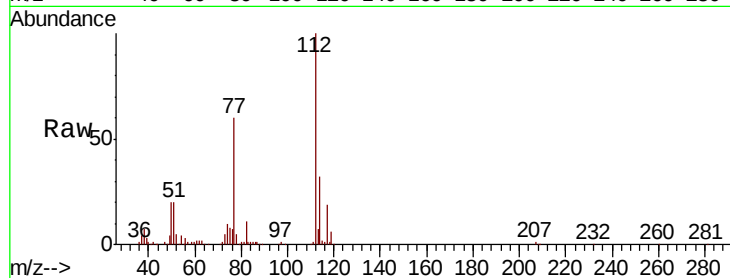
#65
Chlorobenzene
Concen: 17.888 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.7	38.5

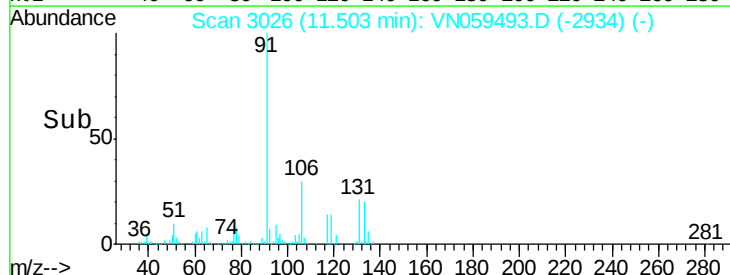
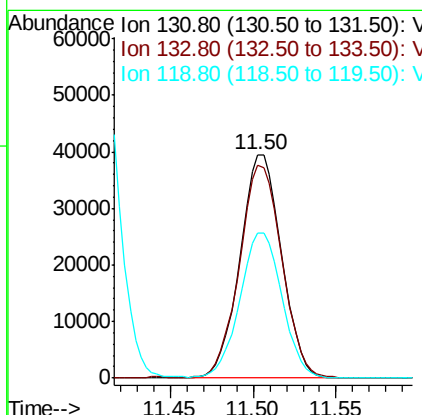
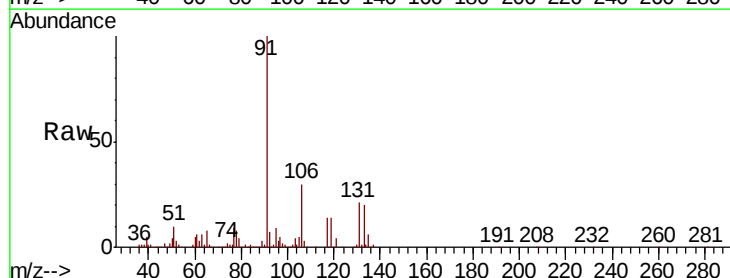
Manual Integrations
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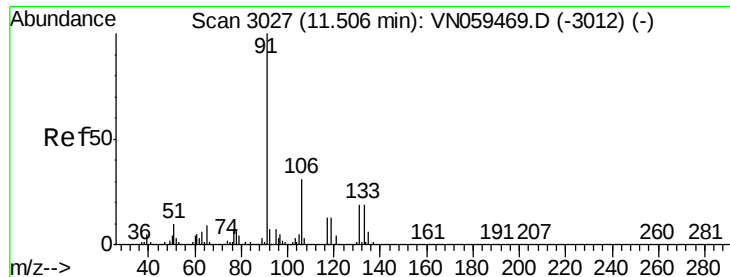
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.652 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	48.0	144.0
119	66.1	33.9	101.6





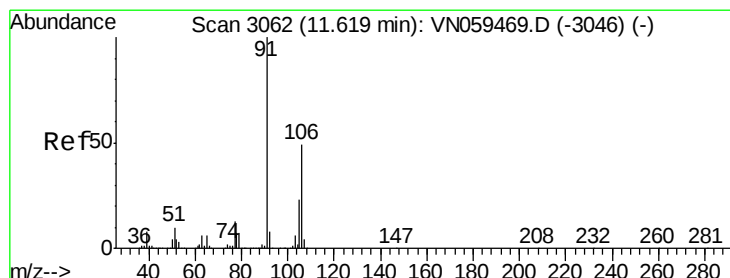
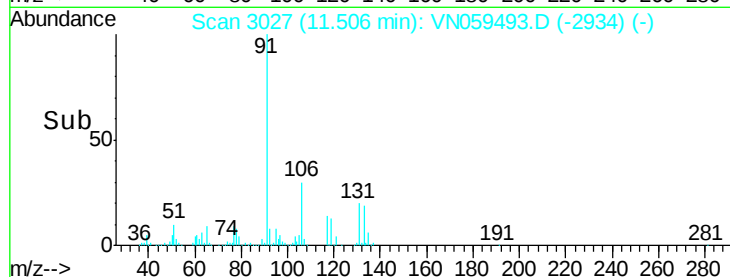
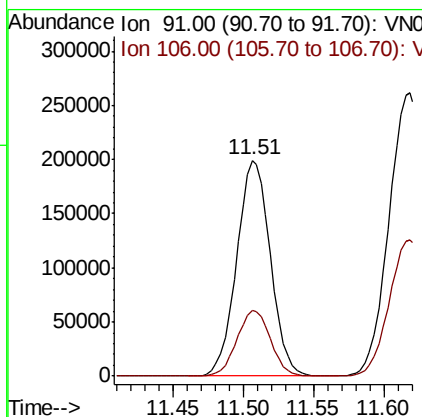
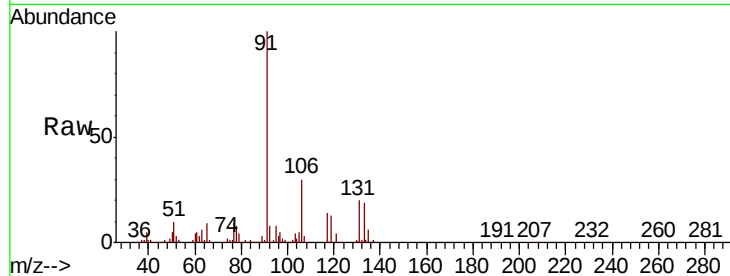
#67
Ethyl Benzene
Concen: 18.548 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion: 91 Resp: 333438
Ion Ratio Lower Upper
91 100
106 30.3 24.7 37.1

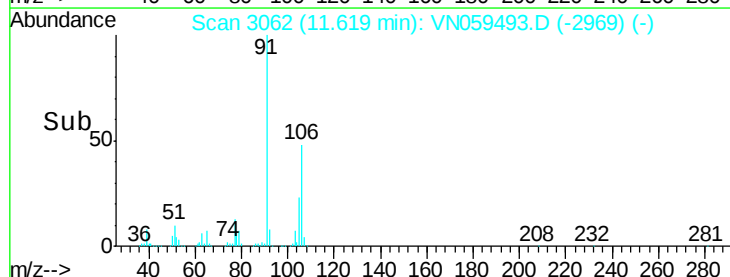
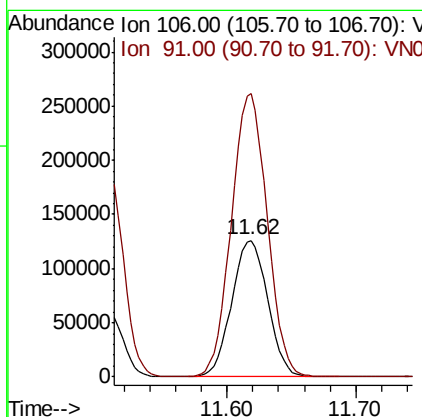
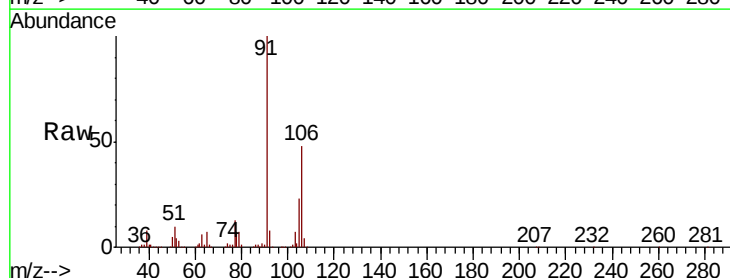
Manual Integrations
APPROVED

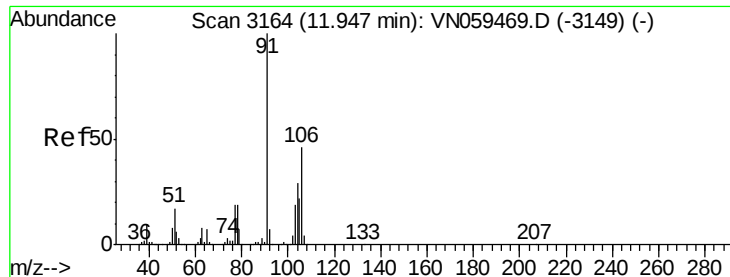
apatel
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#68
m/p-Xylenes
Concen: 36.513 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Tgt Ion: 106 Resp: 244405
Ion Ratio Lower Upper
106 100
91 206.3 162.2 243.4





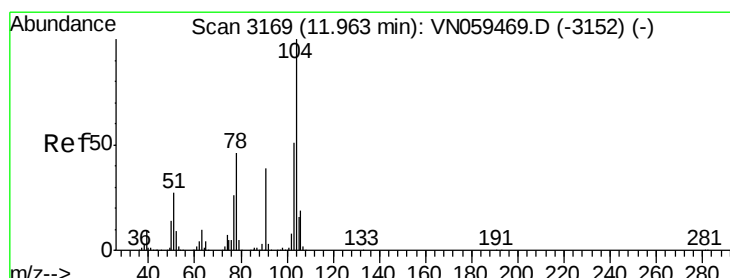
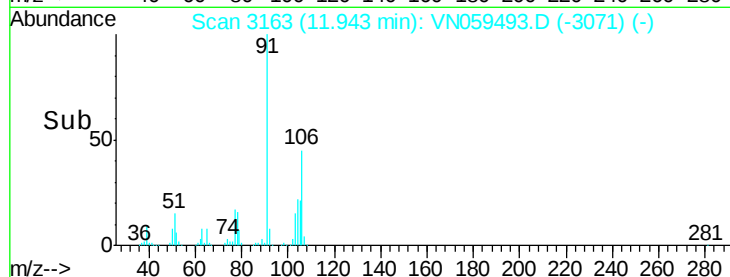
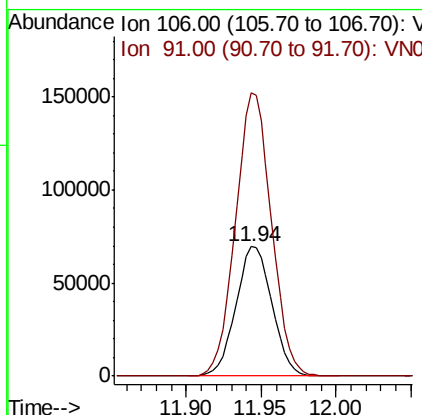
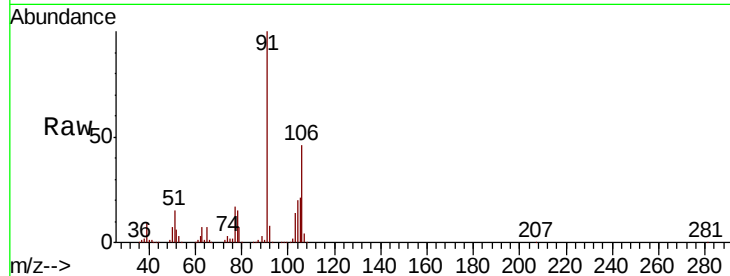
#69
o-Xylene
Concen: 18.355 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Instrument :
MSVOA_N
ClientSampled :
VN1205WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	217.0	108.5	325.3

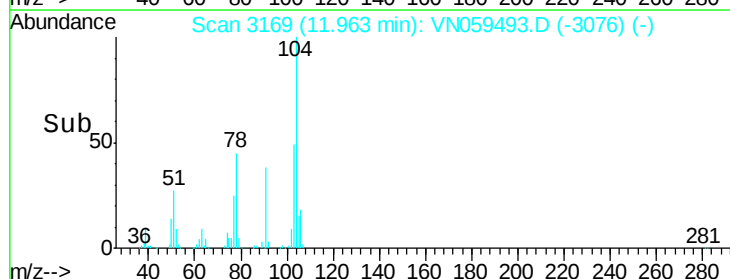
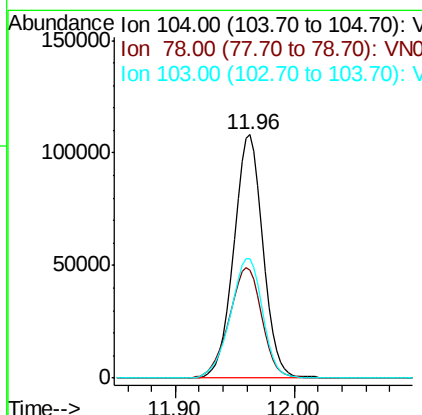
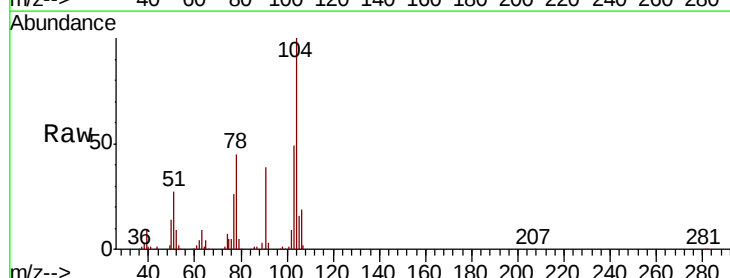
Manual Integrations
APPROVED

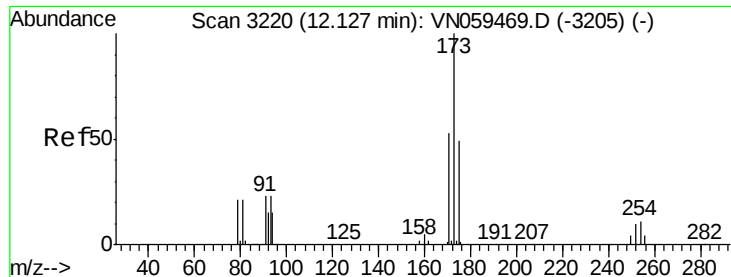
apatel
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#70
Styrene
Concen: 18.107 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	51.1	41.0	61.4
103	103	54.2	44.7	67.1





#71

Bromoform

Concen: 17.684 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

Instrument :

MSVOA_N

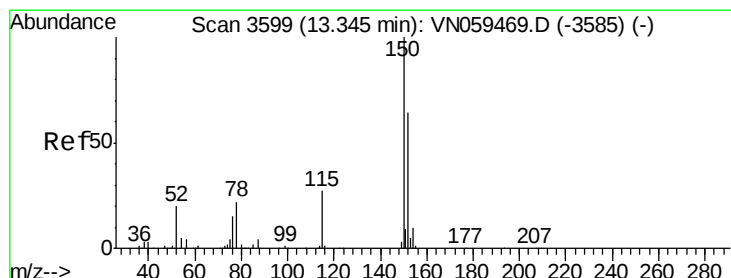
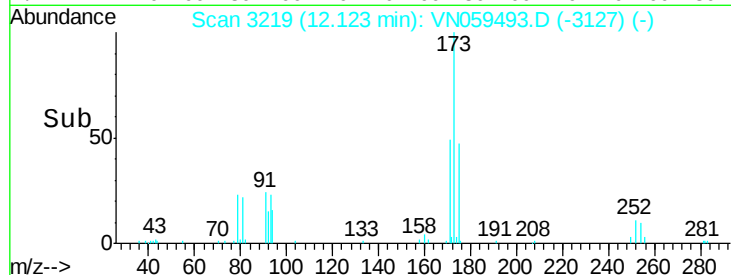
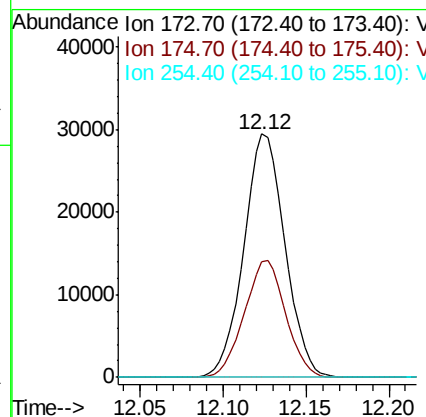
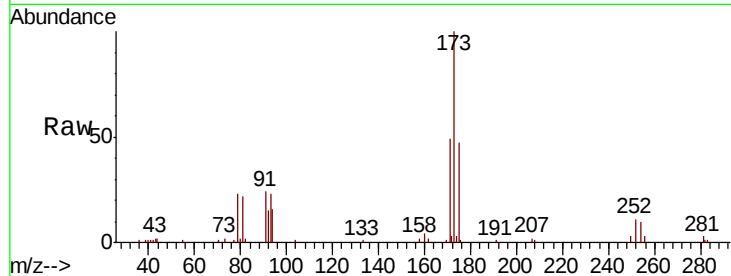
ClientSampleId :

VN1205WBS01

Tot Ion:	173	Resp:	50818
Ion Ratio	Lower	Upper	
173	100		
175	48.0	24.3	73.0
254	0.0	0.0	0.0

Manual Integrations
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apatel
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

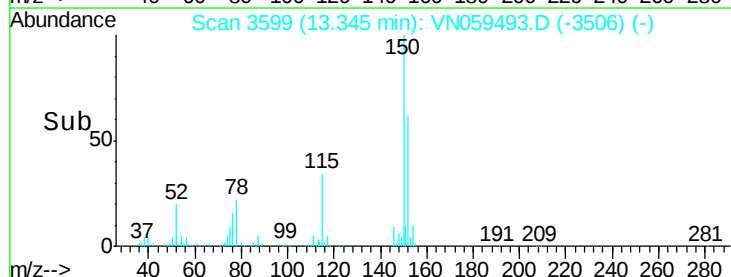
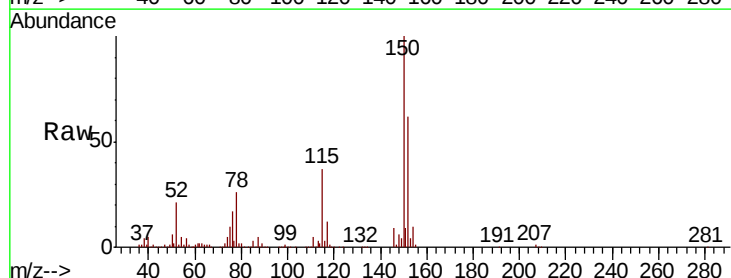
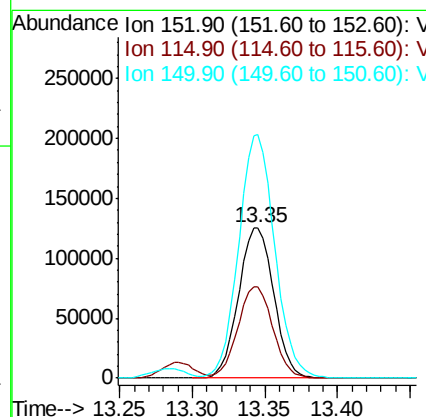
RT: 13.35 min Scan# 3599

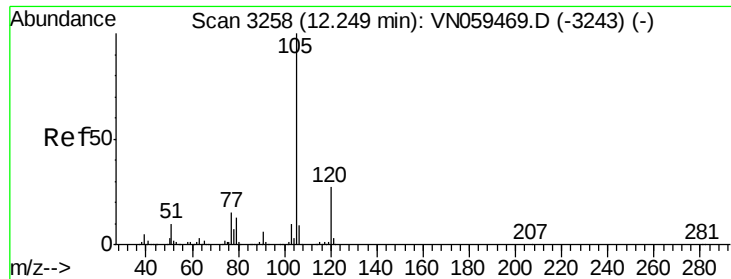
Delta R.T. -0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

Tgt Ion:	152	Resp:	211215
Ion Ratio	Lower	Upper	
152	100		
115	59.8	29.2	87.6
150	166.5	0.0	352.8





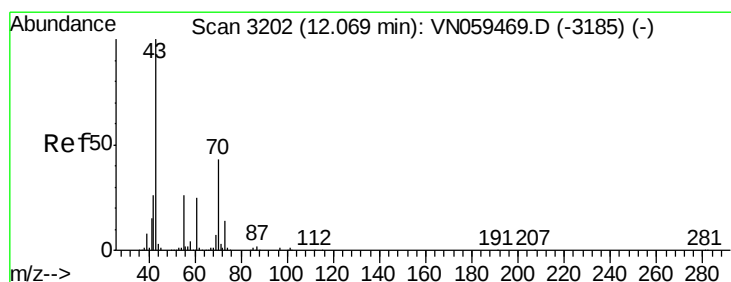
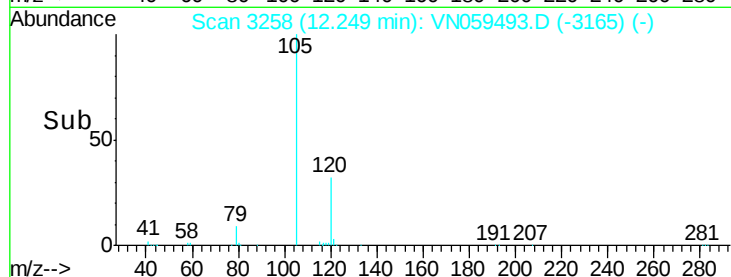
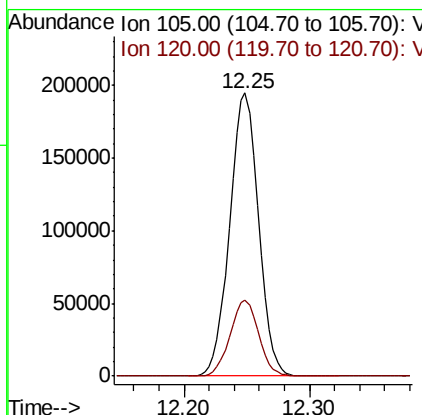
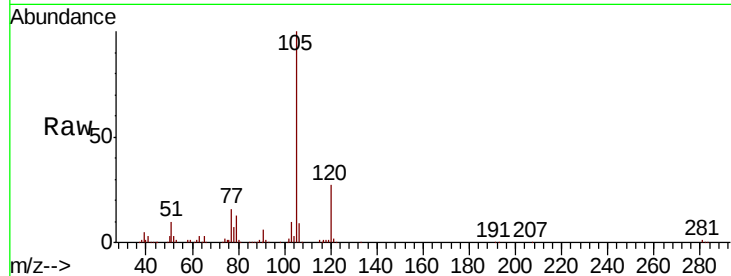
#73
Isopropylbenzene
Concen: 18.322 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.2	39.6

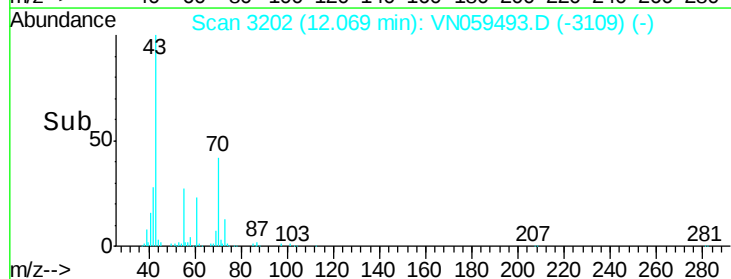
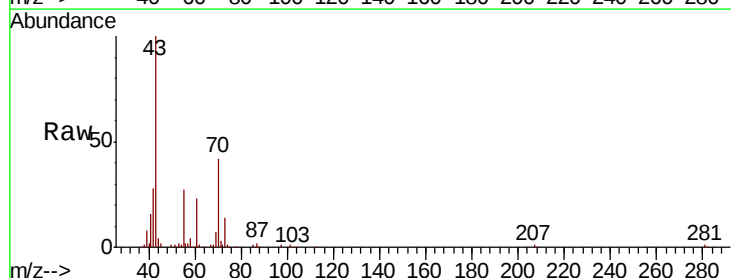
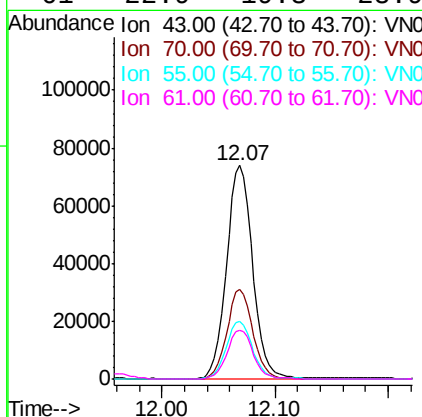
Manual Integrations
APPROVED

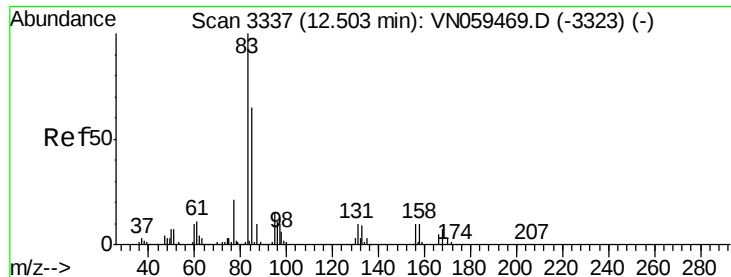
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#74
N-ethyl acetate
Concen: 17.523 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.4	34.2	51.2
55	27.3	20.6	31.0
61	22.9	19.3	28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.576 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

Instrument :

MSVOA_N

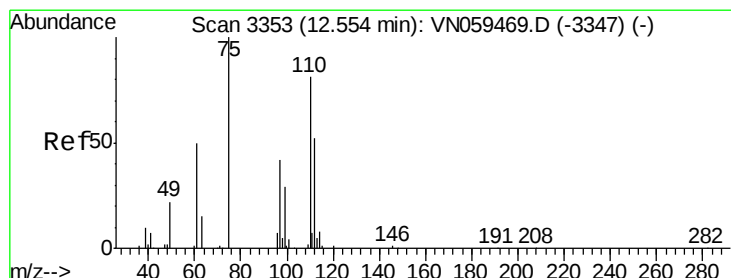
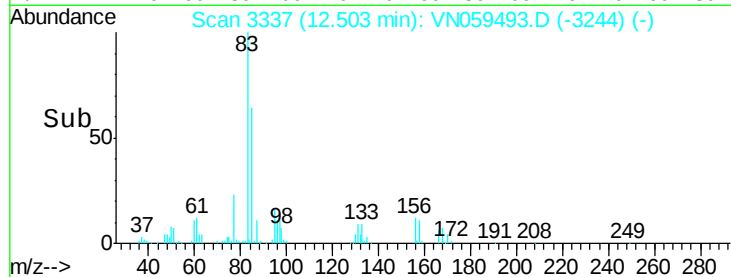
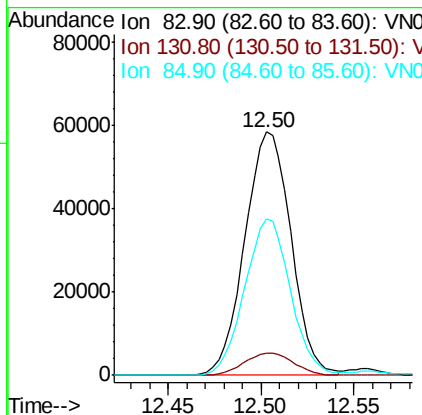
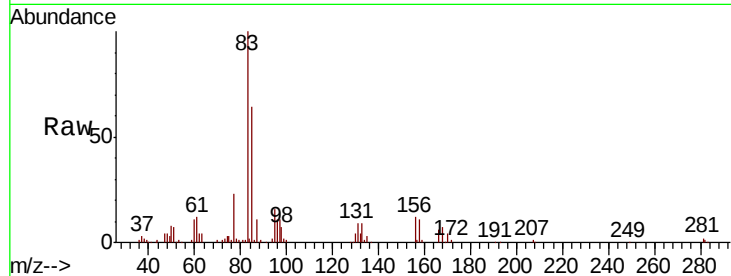
ClientSampleId :

VN1205WBS01

Tot Ion:	83	Resp:	100933
Ion Ratio		Lower	Upper
83	100		
131	9.9	4.9	14.7
85	63.6	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.846 ug/l m

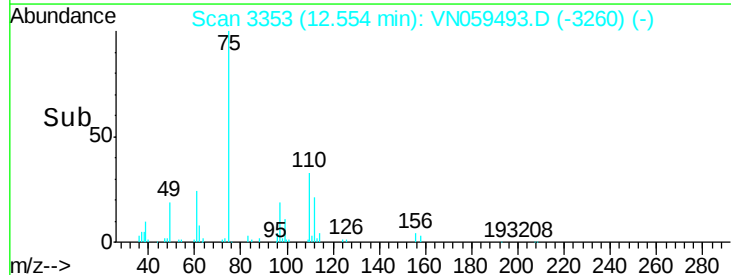
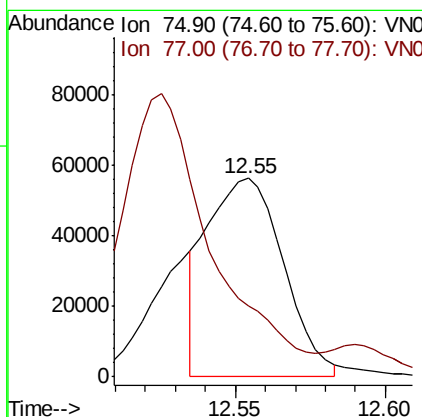
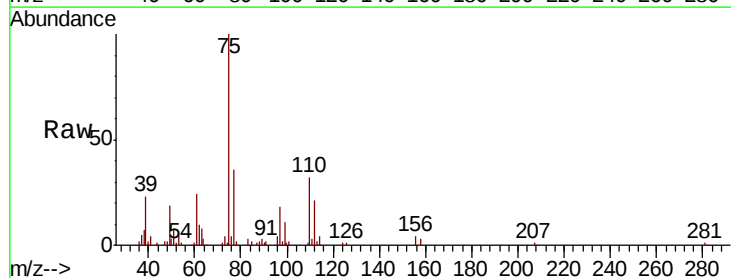
RT: 12.55 min Scan# 3353

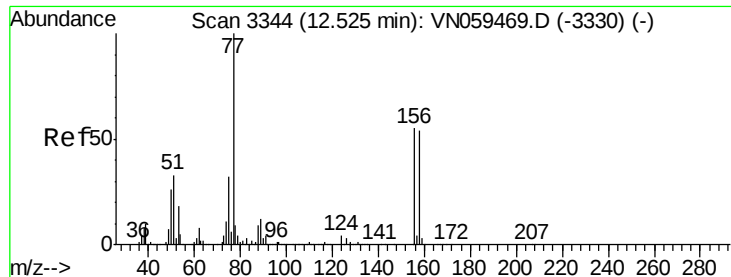
Delta R.T. -0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

Tgt Ion:	75	Resp:	98973
Ion Ratio		Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.892 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

Tot Ion:156 Resp: 75734

Ion Ratio Lower Upper

156 100

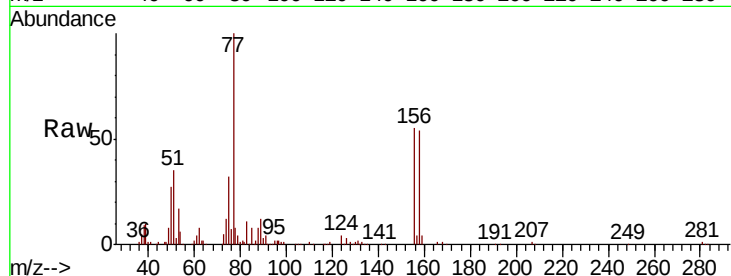
77 223.9 110.3 331.0

158 97.6 48.5 145.5

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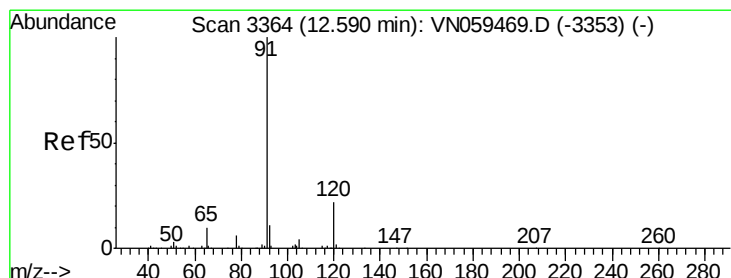
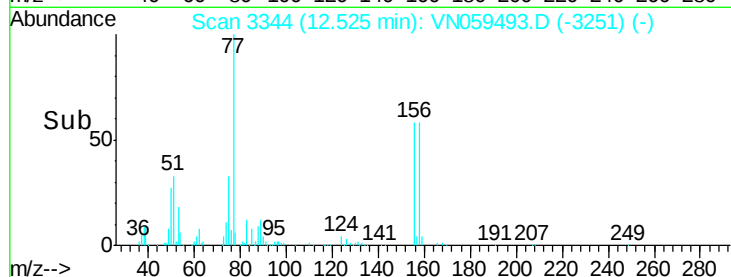
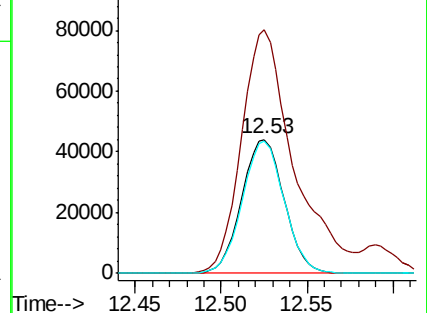
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.563 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059493.D

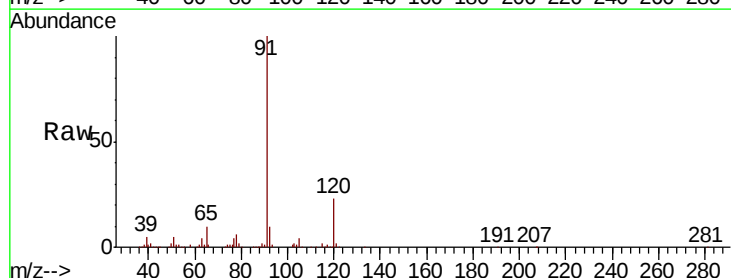
Acq: 5 Dec 2019 12:36

Tgt Ion: 91 Resp: 365925

Ion Ratio Lower Upper

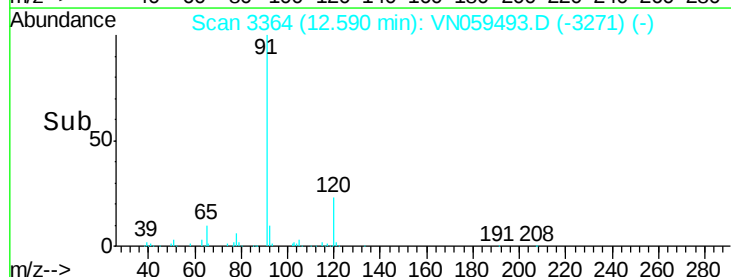
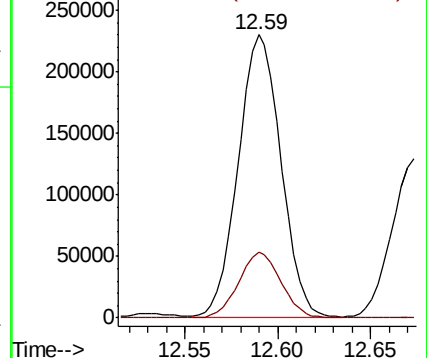
91 100

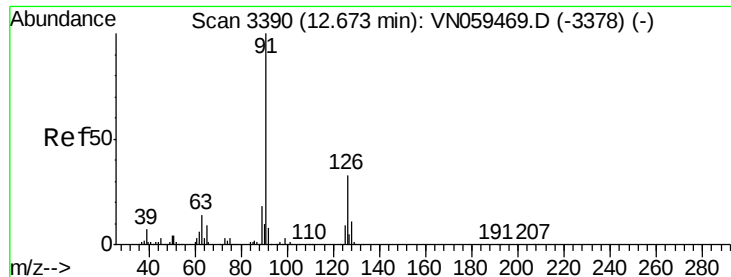
120 23.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.077 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

Tot Ion: 91 Resp: 214808

Ion Ratio Lower Upper

91 100

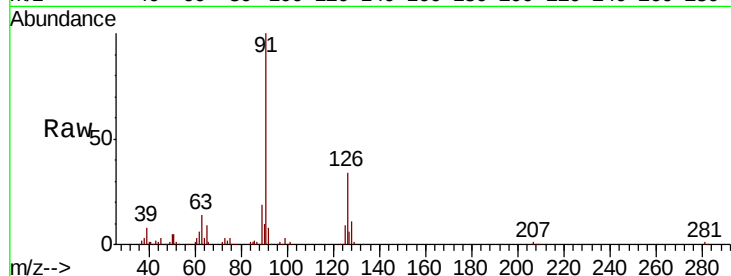
126 33.5 16.6 49.8

Manual Integrations

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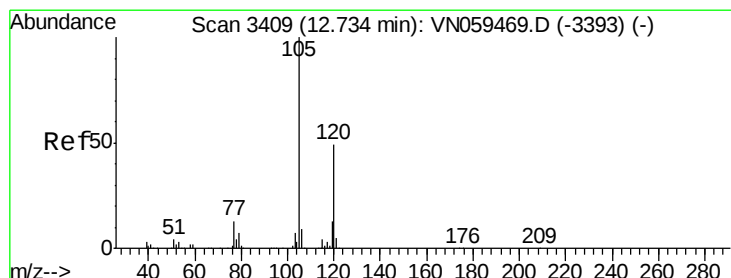
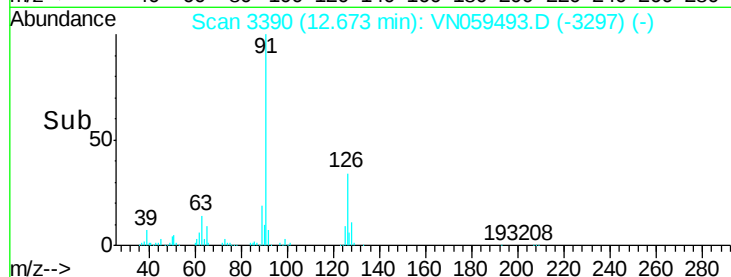
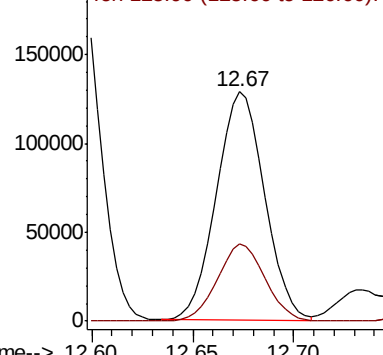
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Abundance Ion 91.00 (90.70 to 91.70): VN059493.D (-3397) (-)

Ion 125.90 (125.60 to 126.60): VN059493.D (-3397) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.675 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059493.D

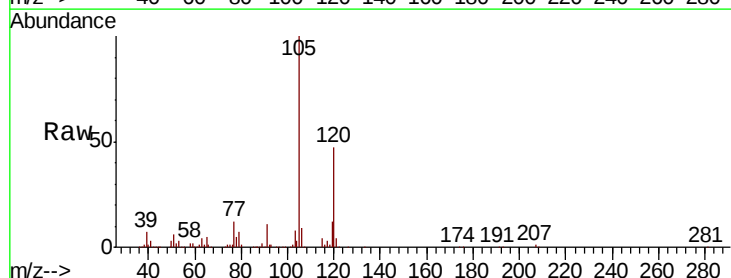
Acq: 5 Dec 2019 12:36

Tgt Ion: 105 Resp: 264354

Ion Ratio Lower Upper

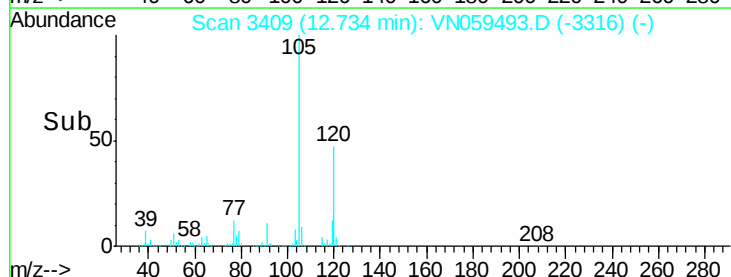
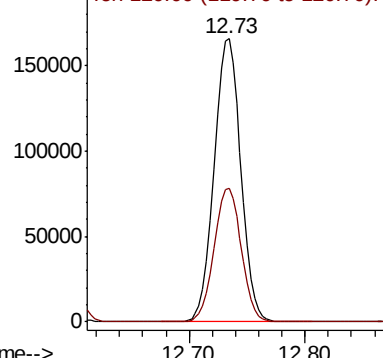
105 100

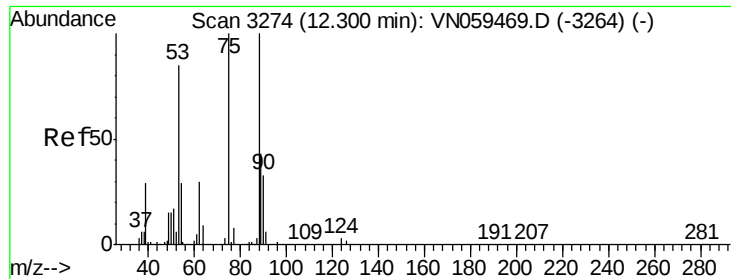
120 48.1 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN059493.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN059493.D (-3316) (-)





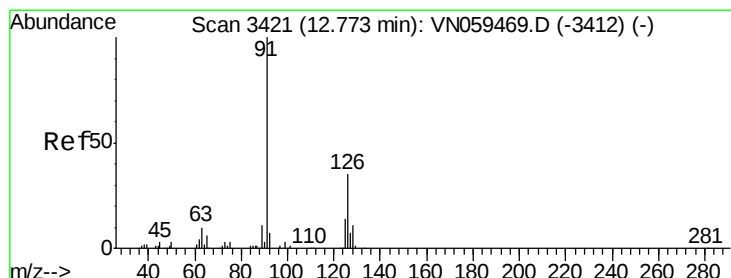
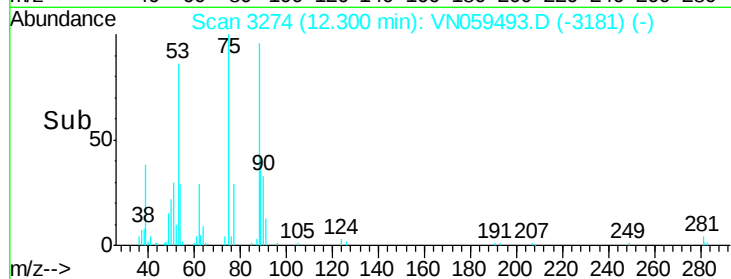
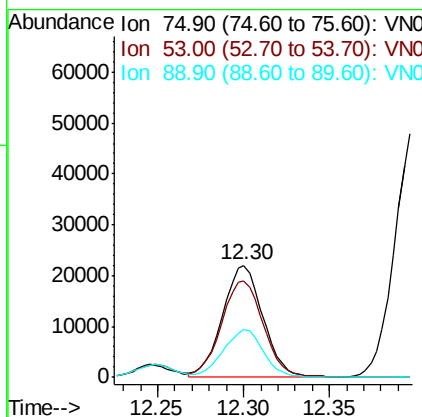
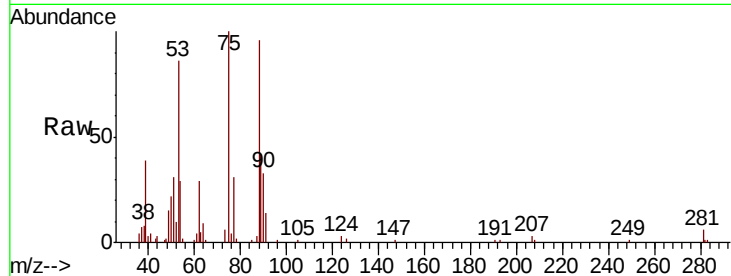
#81
trans-1,4-Dichloro-2-butene
Concen: 18.135 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.8	69.8	104.6
89	42.3	35.2	52.8

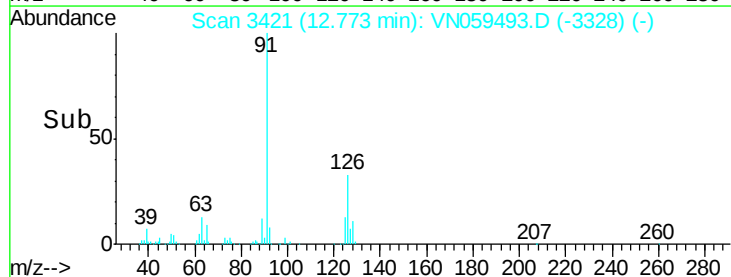
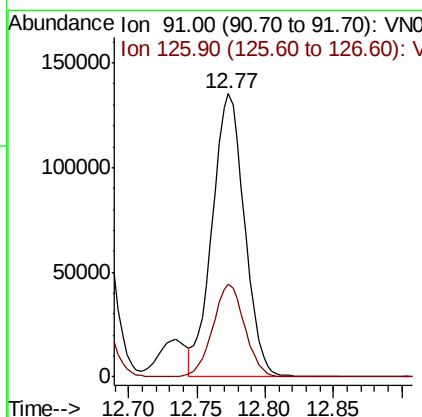
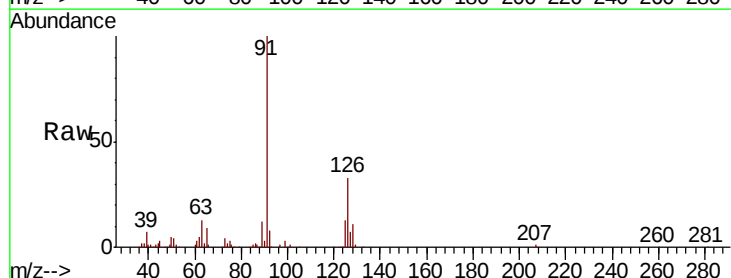
Manual Integrations
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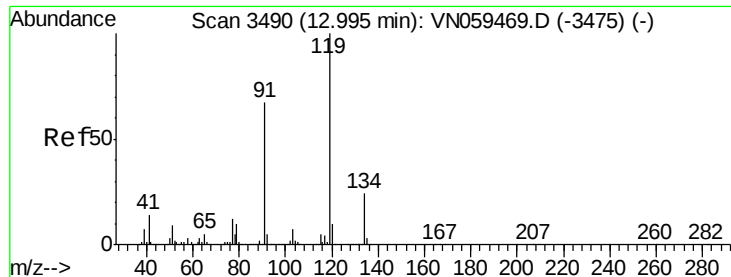
apatel
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#82
4-Chlorotoluene
Concen: 18.054 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.4	49.2





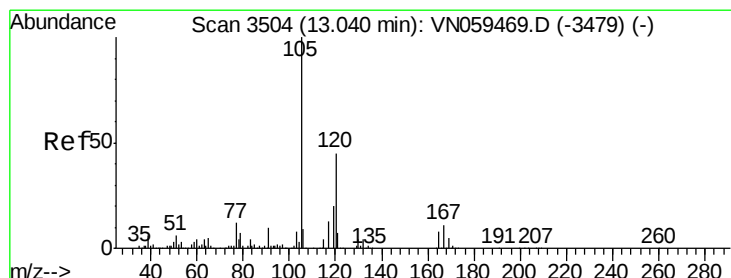
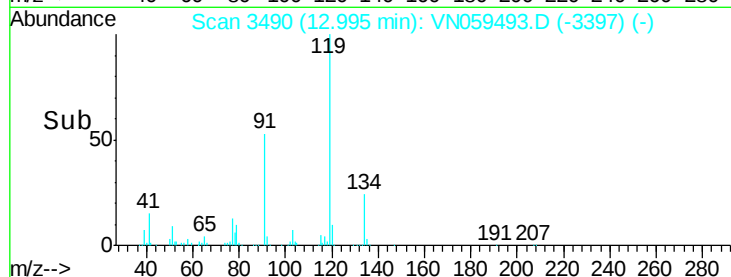
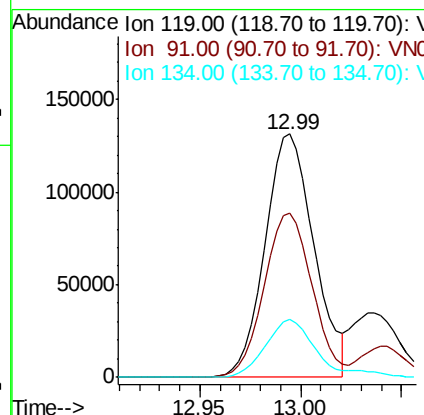
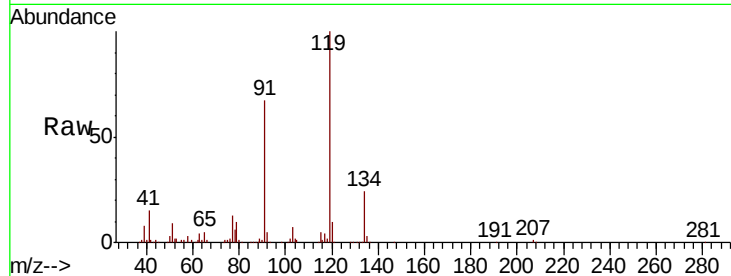
#83
tert-Butylbenzene
Concen: 18.030 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.6	32.6	97.7
134	25.1	12.6	37.6

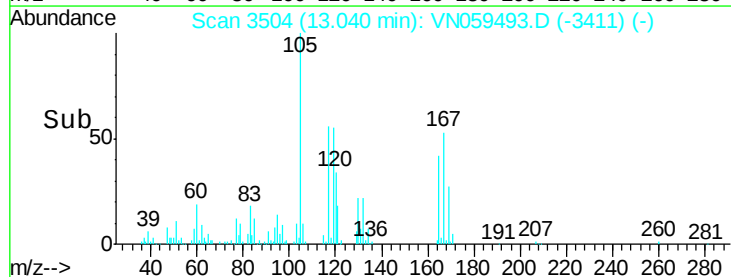
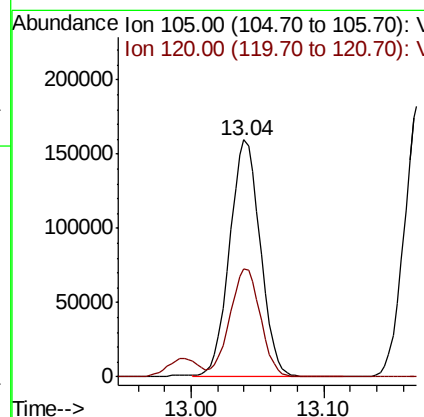
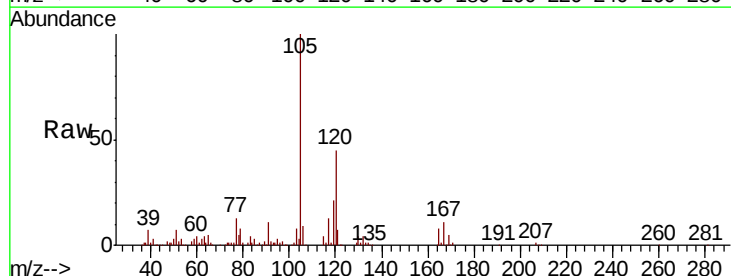
Manual Integrations
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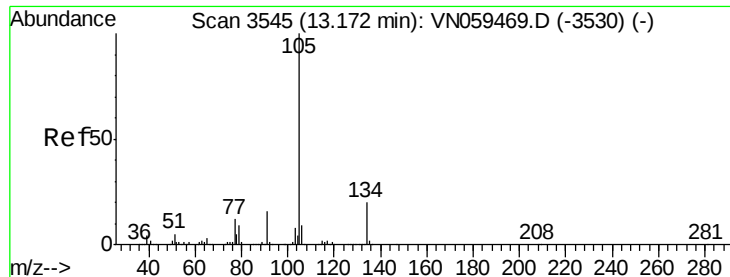
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 18.500 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.6	67.8





#85

sec-Butylbenzene

Concen: 18.555 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

Tot Ion:105 Resp: 302232

Ion Ratio Lower Upper

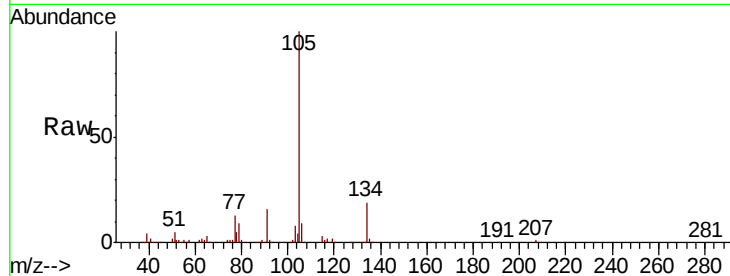
105 100

134 19.3 9.8 29.5

Manual Integrations
APPROVED

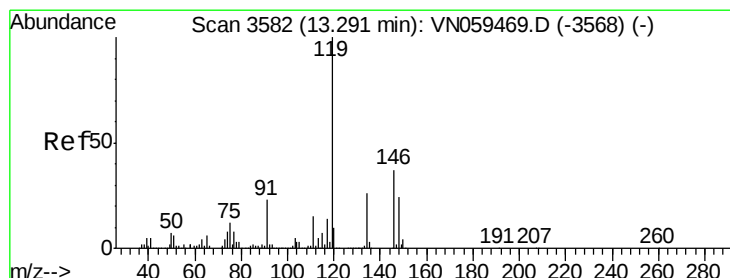
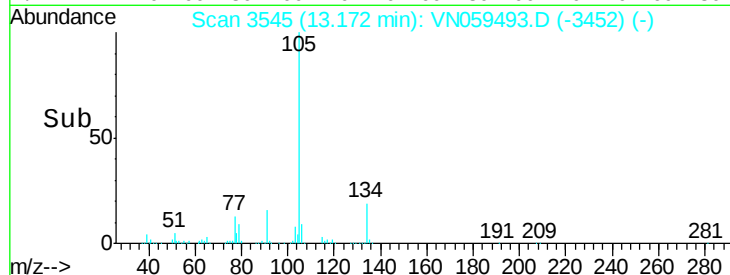
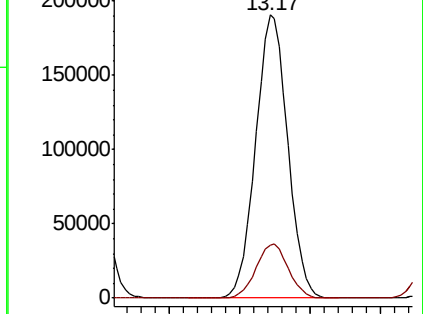
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.361 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059493.D

Acq: 5 Dec 2019 12:36

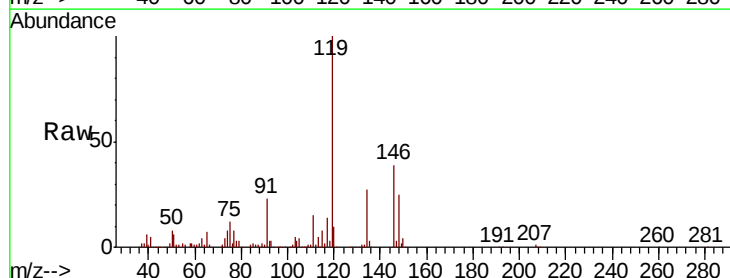
Tgt Ion:119 Resp: 268003

Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

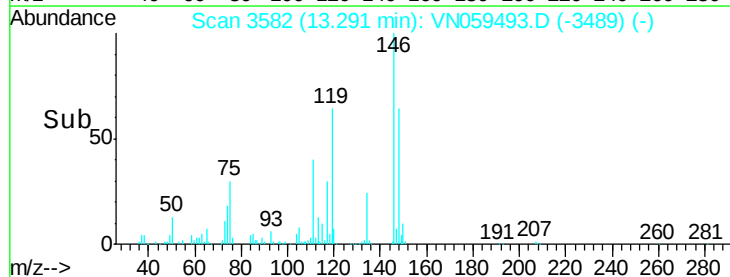
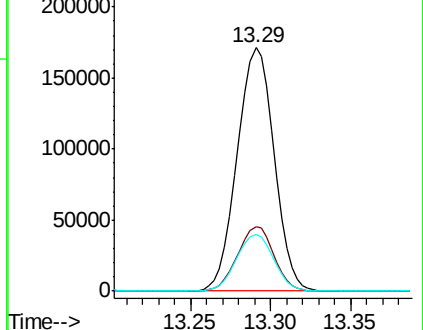
91 23.7 11.7 35.1

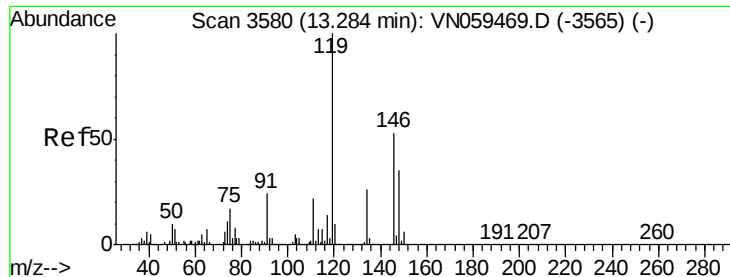


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





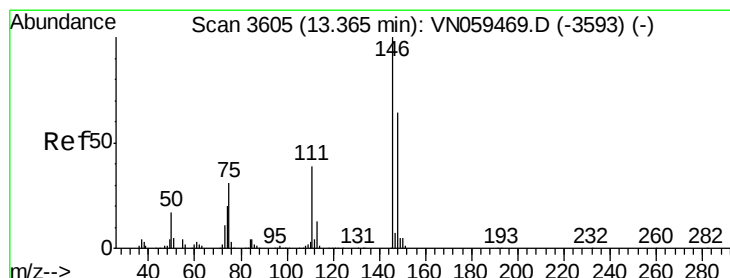
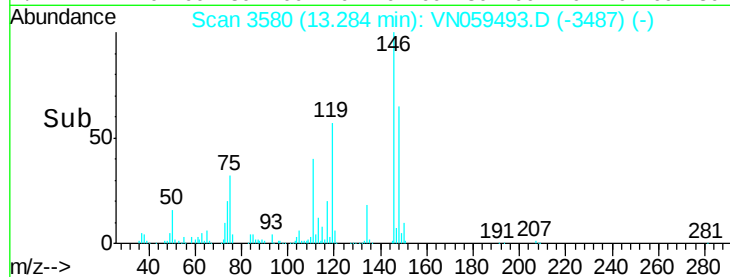
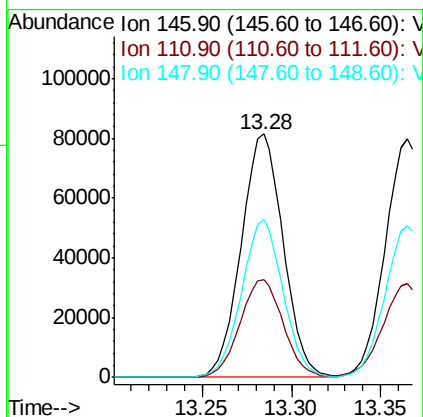
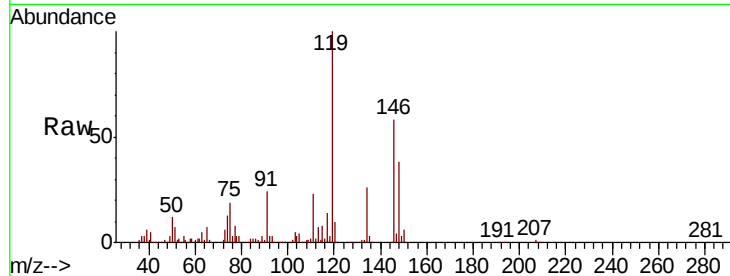
#87
 1,3-Dichlorobenzene
 Concen: 17.999 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059493.D
 Acq: 5 Dec 2019 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.4	61.3
148	63.9	32.1	96.5

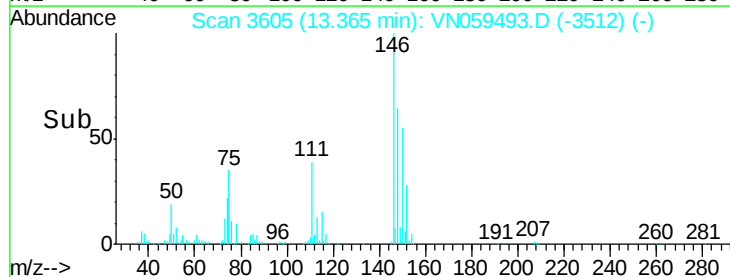
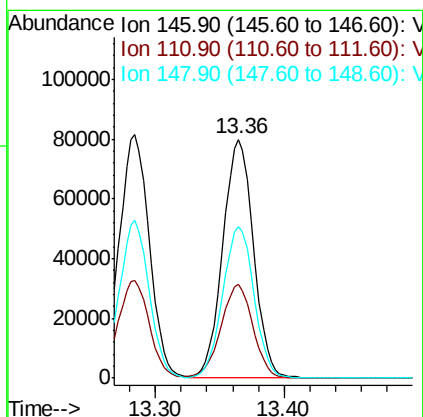
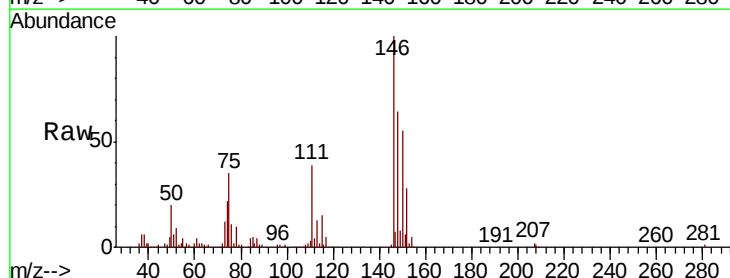
Manual Integrations
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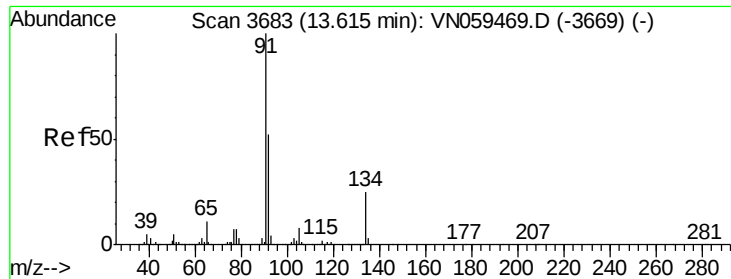
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#88
 1,4-Dichlorobenzene
 Concen: 17.575 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059493.D
 Acq: 5 Dec 2019 12:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.8	59.3
148	64.2	32.0	96.0





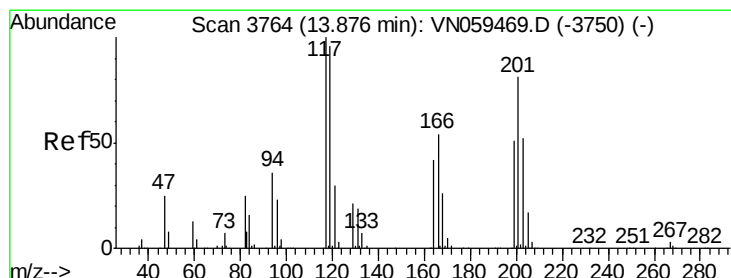
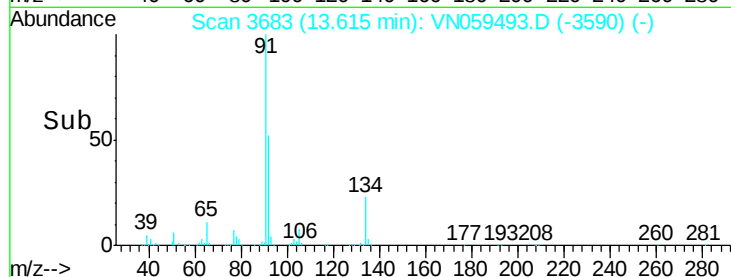
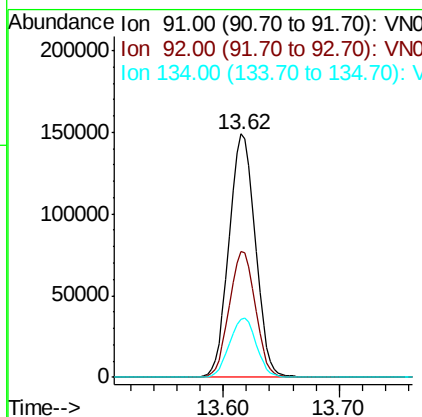
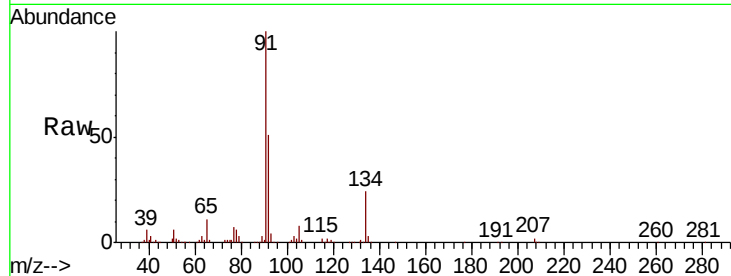
#89
n-Butylbenzene
Concen: 17.833 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.9	77.8
134	24.8	12.6	37.6

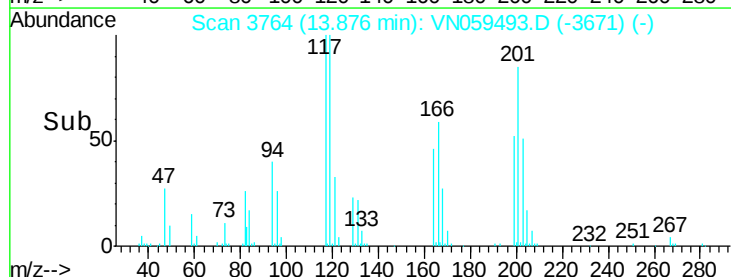
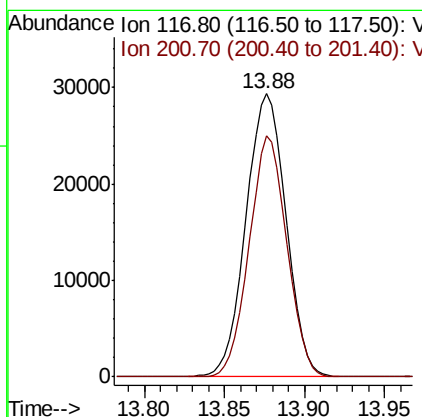
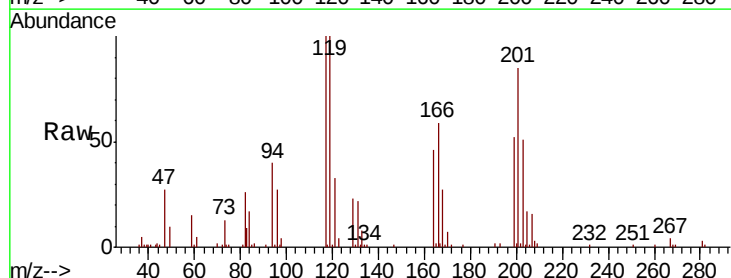
Manual Integrations
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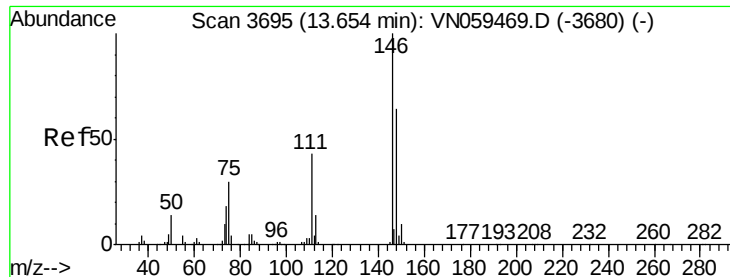
apatel
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#90
Hexachloroethane
Concen: 17.839 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.1	40.6	122.0





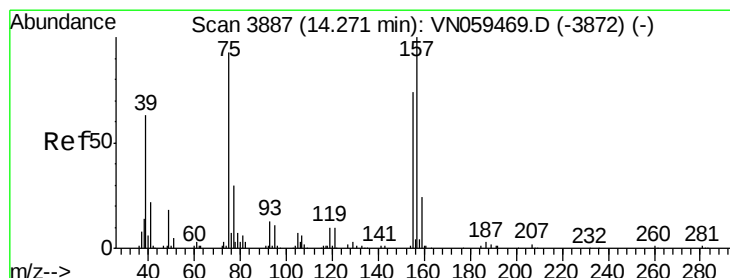
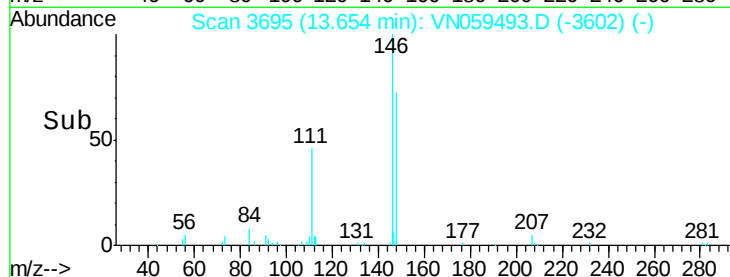
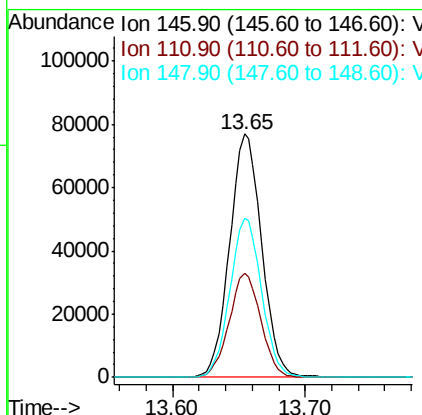
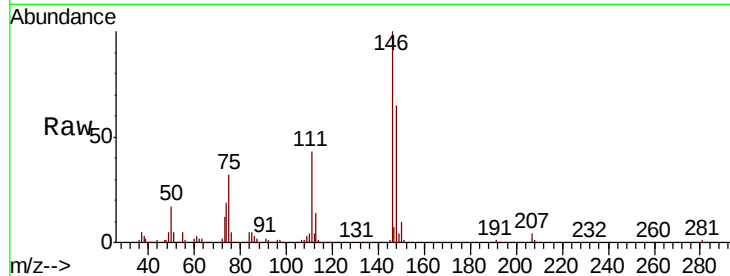
#91
 1,2-Dichlorobenzene
 Concen: 18.038 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059493.D
 Acq: 5 Dec 2019 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.3	63.7
148	64.6	32.2	96.6

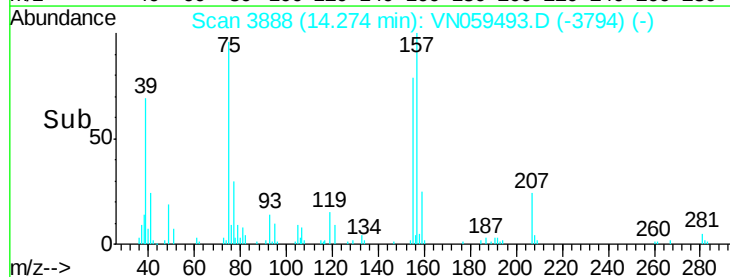
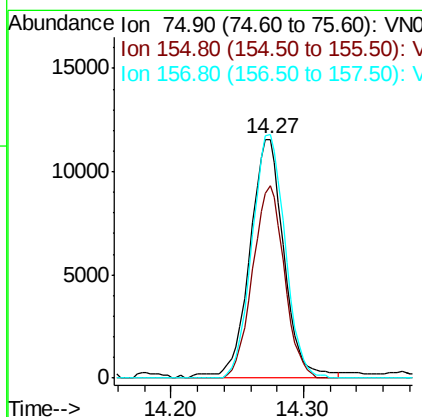
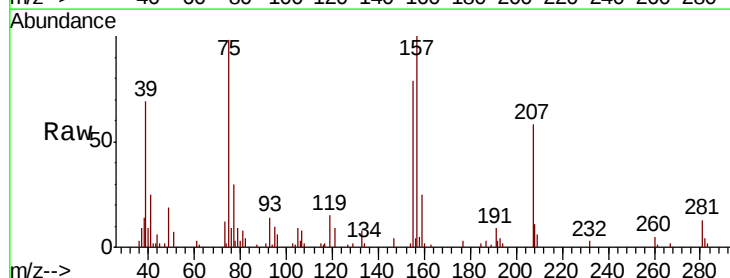
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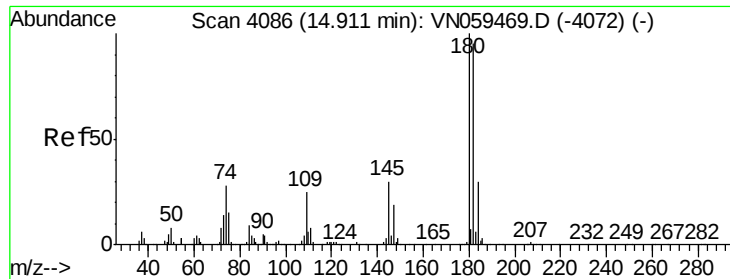
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.441 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059493.D
 Acq: 5 Dec 2019 12:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.5	40.6	122.0
157	98.3	52.9	158.7





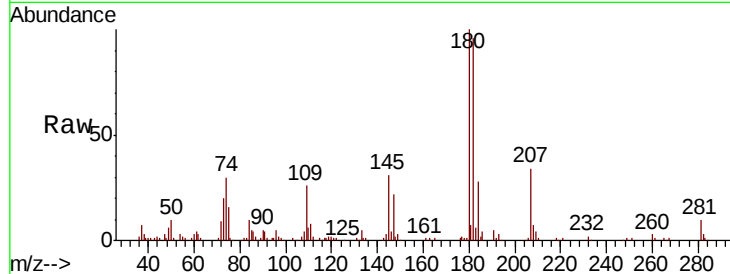
#93
 1,2,4-Trichlorobenzene
 Concen: 16.427 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059493.D
 Acq: 5 Dec 2019 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.0	144.2
145	30.7	15.2	45.6

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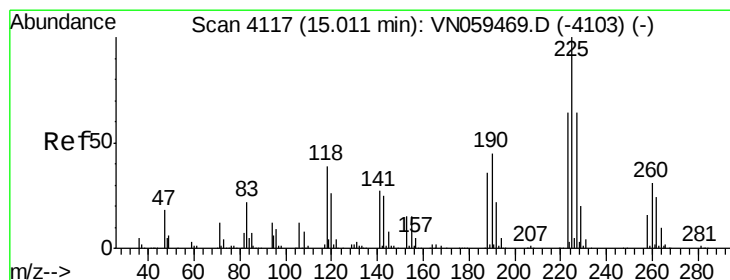
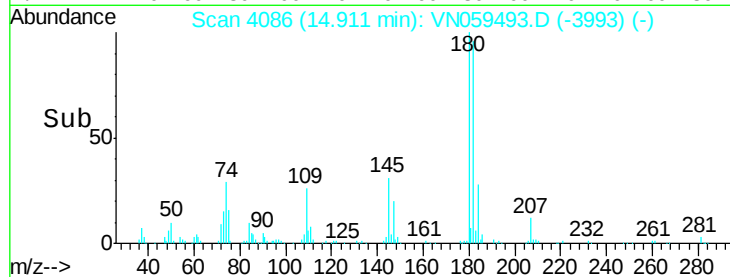
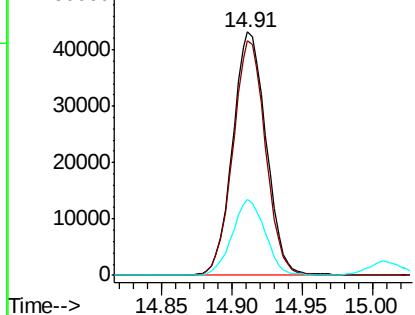


Abundance

Ion 179.80 (179.50 to 180.50): V

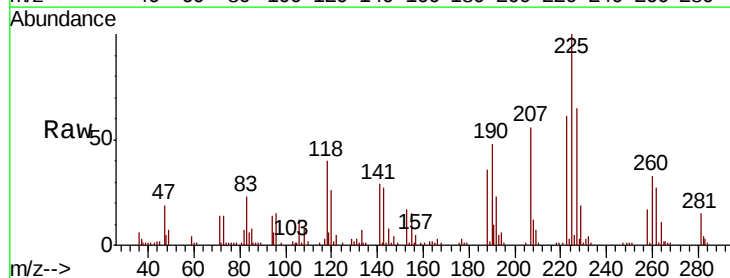
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.166 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059493.D
 Acq: 5 Dec 2019 12:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.9	95.5
227	64.7	32.0	96.2

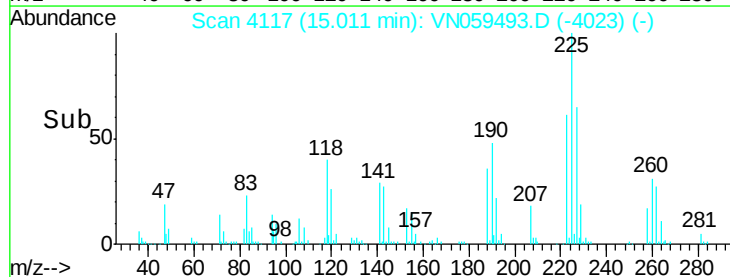
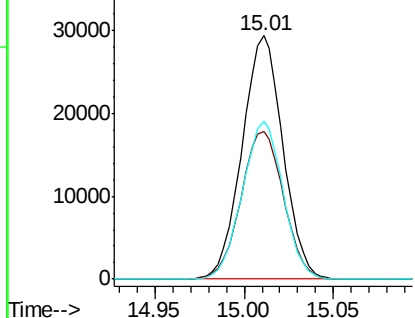


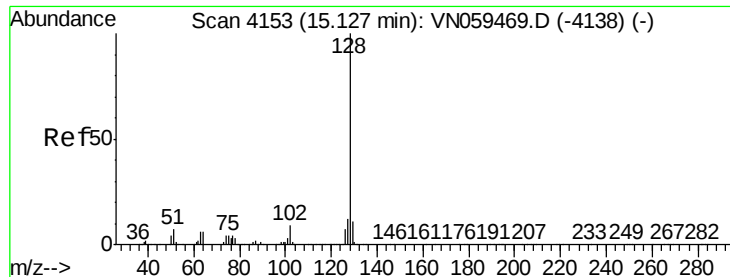
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





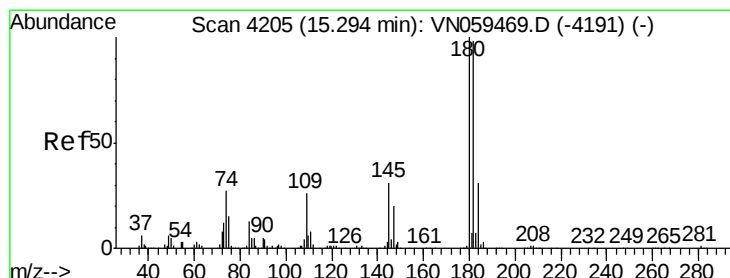
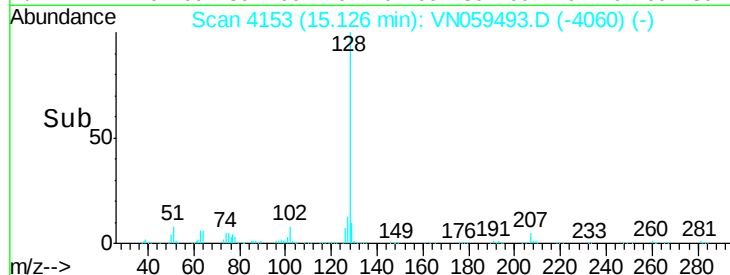
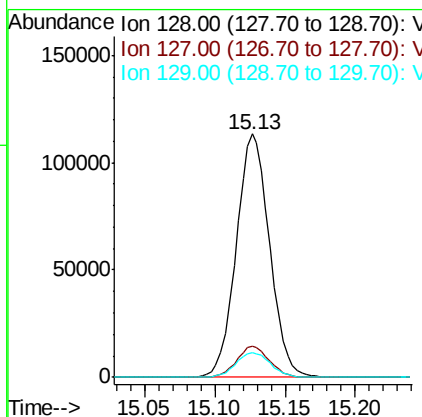
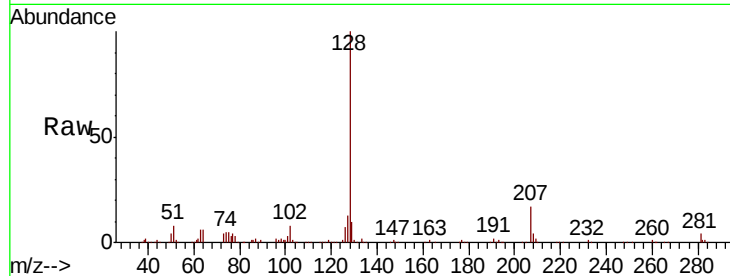
#95
Naphthalene
Concen: 17.251 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.5	8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 18.107 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN059493.D
Acq: 5 Dec 2019 12:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.5	145.5
145	31.8	16.1	48.2

