

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120419\
 Data File : VN059480.D
 Acq On : 4 Dec 2019 12:08
 Operator : JC/SP
 Sample : VN1204MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204MBS01

Manual Integrations
 APPROVED

apatel
 12/5/2019 11:19:41 AM

Quant Time: Dec 05 01:27:57 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	377328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	593588	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	532614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	239529	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	240792	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
35) Dibromofluoromethane	7.57	113	185553	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
50) Toluene-d8	10.08	98	722048	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.40	95	252773	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	76541	18.229	ug/l	99
3) Chloromethane	2.04	50	103958	18.472	ug/l	99
4) Vinyl Chloride	2.17	62	63645	18.846	ug/l	97
5) Bromomethane	2.54	94	36828	17.945	ug/l	99
6) Chloroethane	2.68	64	35980	18.046	ug/l	93
7) Trichlorofluoromethane	3.00	101	81333	19.942	ug/l	97
8) Diethyl Ether	3.39	74	54318	20.441	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	76881	19.203	ug/l	99
10) Methyl Iodide	3.93	142	96370	19.010	ug/l	99
11) Tert butyl alcohol	4.76	59	88788	100.520	ug/l	98
12) 1,1-Dichloroethene	3.71	96	75350	19.253	ug/l	97
13) Acrolein	3.58	56	75777	98.850	ug/l	99
14) Allyl chloride	4.29	41	145550	18.882	ug/l	100
15) Acrylonitrile	4.95	53	239448	100.203	ug/l	100
16) Acetone	3.79	43	268139	99.298	ug/l	99
17) Carbon Disulfide	4.02	76	240058	17.977	ug/l	98
18) Methyl Acetate	4.30	43	122299	19.382	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	271561	20.359	ug/l	98
20) Methylene Chloride	4.52	84	89030	19.432	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	83430	19.052	ug/l	99
22) Diisopropyl ether	5.92	45	295124	20.570	ug/l	98
23) Vinyl Acetate	5.86	43	1219751	105.949	ug/l	99
24) 1,1-Dichloroethane	5.82	63	161034	19.758	ug/l	99
25) 2-Butanone	6.81	43	335404	94.140	ug/l	99
26) 2,2-Dichloropropane	6.80	77	136033	19.297	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	95490	19.634	ug/l	98
28) Bromochloromethane	7.17	49	65697	21.047	ug/l	98
29) Tetrahydrofuran	7.19	42	217922	97.275	ug/l	100
30) Chloroform	7.35	83	154777	19.668	ug/l	100
31) Cyclohexane	7.63	56	149211	18.894	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	131766	19.265	ug/l	99
36) 1,1-Dichloropropene	7.77	75	118625	19.204	ug/l	99
37) Ethyl Acetate	6.90	43	133547	19.355	ug/l	99
38) Carbon Tetrachloride	7.75	117	115487	19.439	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	141300	19.008	ug/l	98
40) Benzene	8.02	78	358281	19.807	ug/l	99
41) Methacrylonitrile	7.15	41	55155m	19.724	ug/l	
42) 1,2-Dichloroethane	8.10	62	124415	20.248	ug/l	100
43) Isopropyl Acetate	8.14	43	206647	20.137	ug/l	99
44) Trichloroethene	8.82	130	92935	19.660	ug/l	99
45) 1,2-Dichloropropane	9.10	63	96769	20.024	ug/l	99
46) Dibromomethane	9.19	93	59924	19.917	ug/l	99
47) Bromodichloromethane	9.39	83	121734	20.179	ug/l	99
48) Methyl methacrylate	9.18	41	91002	19.655	ug/l	100
49) 1,4-Dioxane	9.19	88	30474	434.987	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	630534	103.510	ug/l	99
52) Toluene	10.15	92	214770	19.632	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	140336	19.769	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	150989	20.067	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	87874	20.376	ug/l	99
56) Ethyl methacrylate	10.42	69	127391	19.168	ug/l	98
57) 1,3-Dichloropropane	10.70	76	151413	20.303	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	227276	105.217	ug/l	100
59) 2-Hexanone	10.74	43	459917	100.324	ug/l	100
60) Dibromochloromethane	10.90	129	93111	20.221	ug/l	99
61) 1,2-Dibromoethane	11.00	107	87272	19.584	ug/l	97
64) Tetrachloroethene	10.63	164	86790	19.157	ug/l	99
65) Chlorobenzene	11.43	112	224893	19.315	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	84462	20.188	ug/l	99
67) Ethyl Benzene	11.51	91	402668	19.739	ug/l	99
68) m/p-Xylenes	11.62	106	298648	39.316	ug/l	96
69) o-Xylene	11.95	106	142494	19.704	ug/l	99
70) Styrene	11.96	104	224063	19.409	ug/l	99
71) Bromoform	12.12	173	65001	19.932	ug/l #	100
73) Isopropylbenzene	12.25	105	376459	19.598	ug/l	99
74) N-amyl acetate	12.07	43	150508	19.452	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	124572	20.217	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	114003m	19.142	ug/l	
77) Bromobenzene	12.53	156	93754	19.531	ug/l	99
78) n-propylbenzene	12.59	91	442144	19.779	ug/l	99
79) 2-Chlorotoluene	12.67	91	265379	19.693	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	323477	20.150	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	44197	19.475	ug/l	97
82) 4-Chlorotoluene	12.77	91	271228	19.508	ug/l	100
83) tert-Butylbenzene	12.99	119	271605	19.488	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	309694	19.740	ug/l	100
85) sec-Butylbenzene	13.17	105	359333	19.453	ug/l	100
86) p-Isopropyltoluene	13.29	119	323927	19.569	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	162339	19.181	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	159958	18.740	ug/l	98
89) n-Butylbenzene	13.62	91	271463	18.305	ug/l	99
90) Hexachloroethane	13.88	117	61011	19.111	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	158327	19.514	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25103	19.675	ug/l	98

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QLast Update : Tue Dec 03 16:37:42 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	89072	17.983	ug/l	99
94) Hexachlorobutadiene	15.01	225	57114	19.538	ug/l	99
95) Naphthalene	15.13	128	234895	18.805	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	91119	19.558	ug/l	99

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

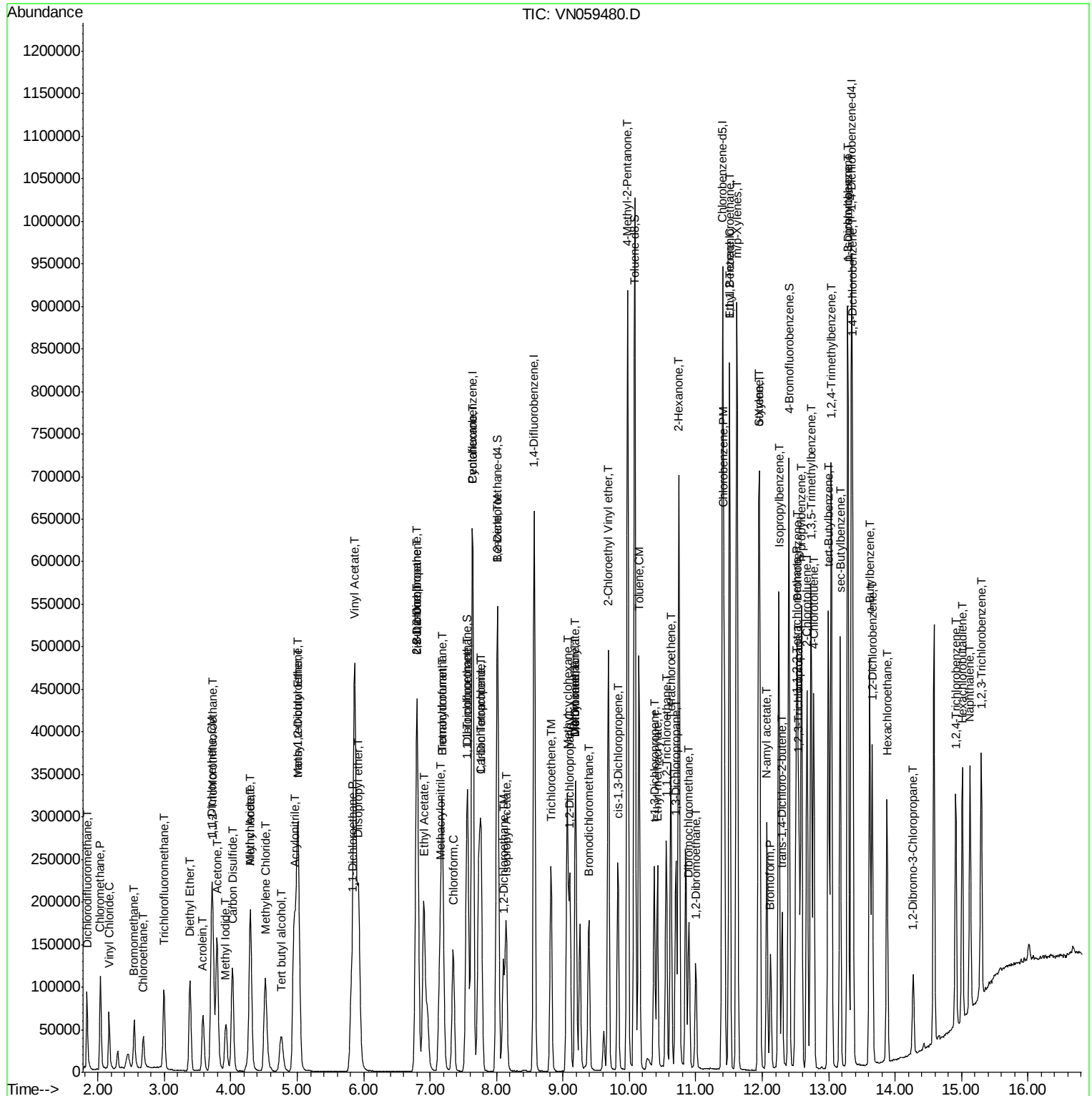
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Data File : VN059480.D
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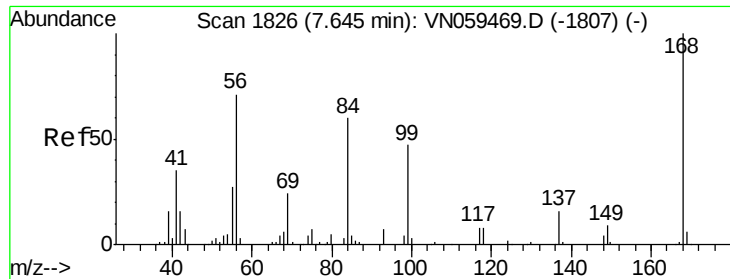
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Manual Integrations
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tot Ion:168 Resp: 377328

Ion Ratio Lower Upper

168 100

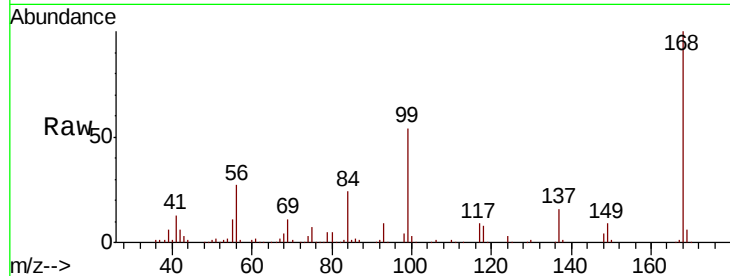
99 54.3 43.4 65.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

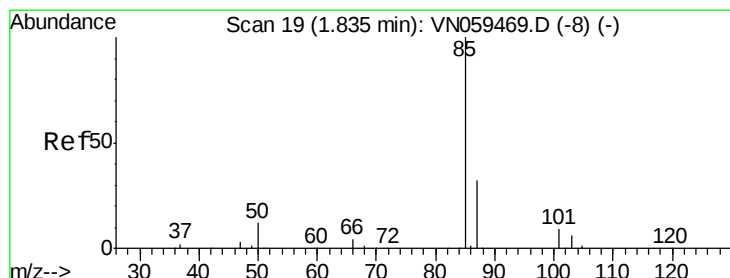
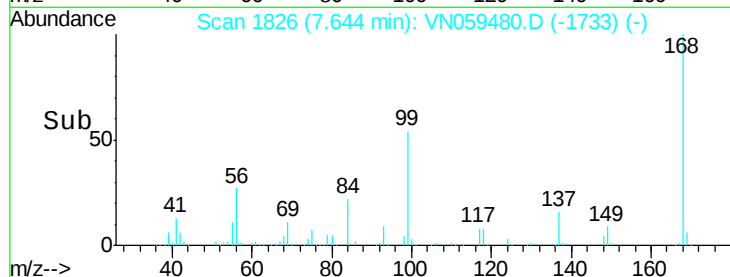
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 18.229 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059480.D

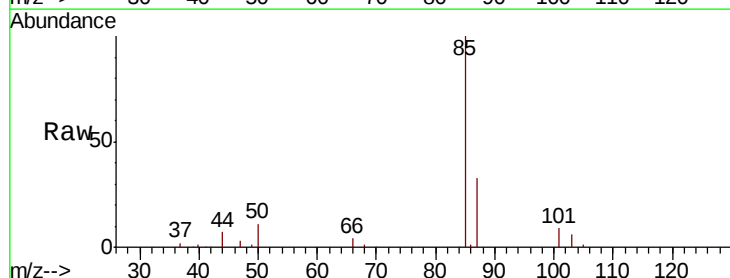
Acq: 4 Dec 2019 12:08

Tgt Ion: 85 Resp: 76541

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

60000

50000

40000

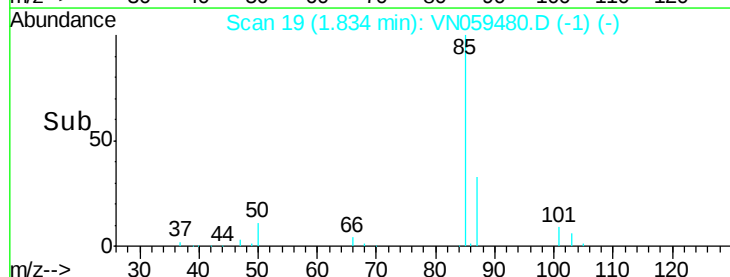
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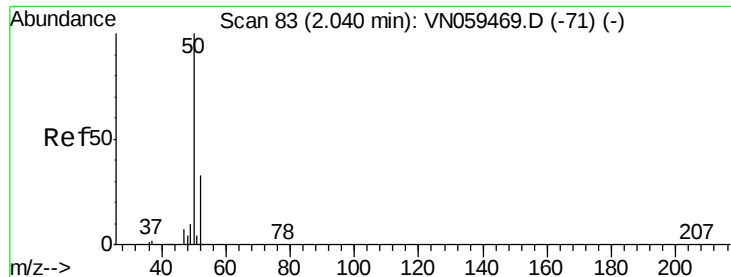
20000

10000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.472 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tot Ion: 50 Resp: 103958

Ion Ratio Lower Upper

50 100

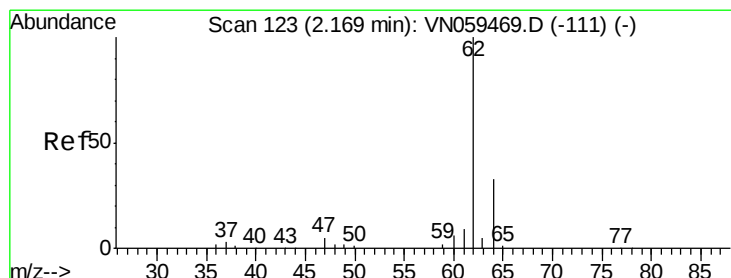
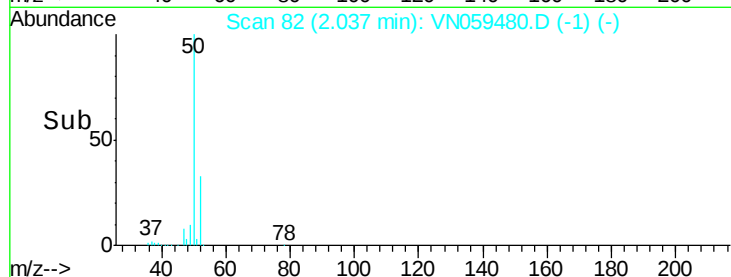
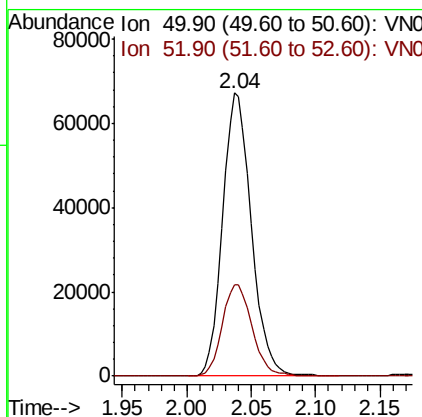
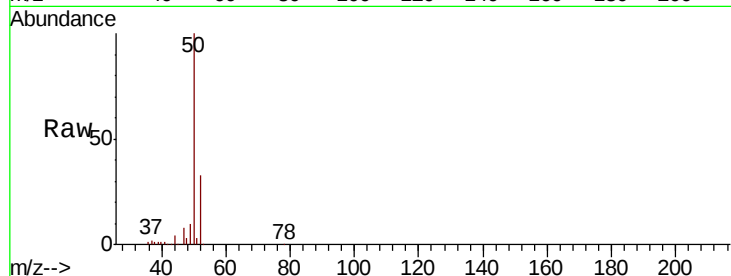
52 32.5 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.846 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059480.D

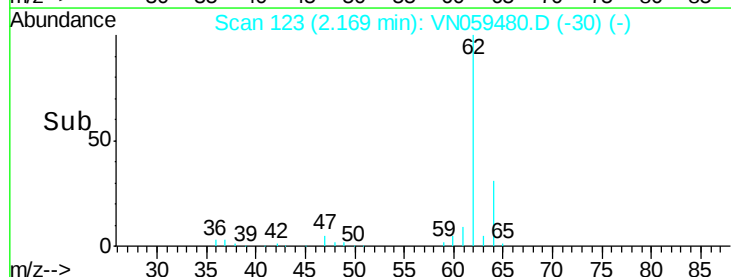
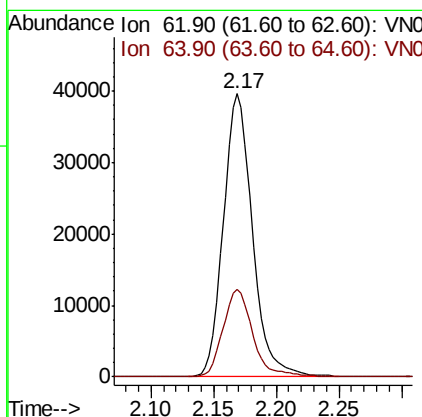
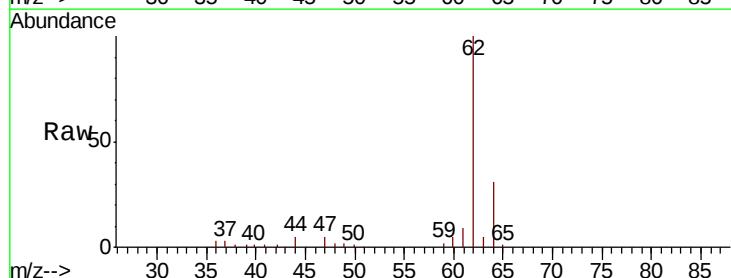
Acq: 4 Dec 2019 12:08

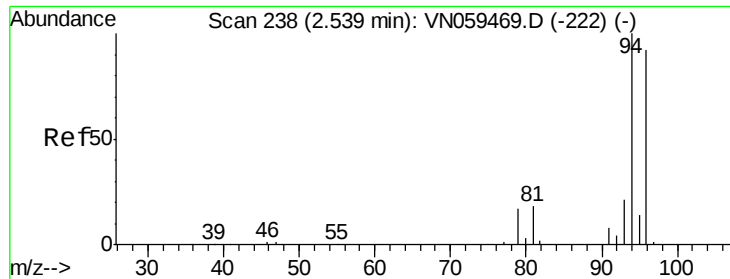
Tgt Ion: 62 Resp: 63645

Ion Ratio Lower Upper

62 100

64 31.1 26.0 39.0





#5

Bromomethane

Concen: 17.945 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tot Ion: 94 Resp: 36828

Ion Ratio Lower Upper

94 100

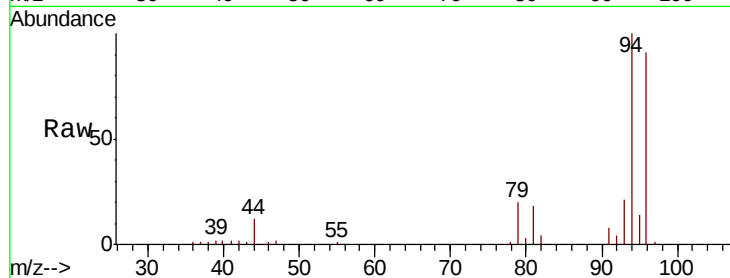
96 91.3 73.5 110.3

Manual Integrations

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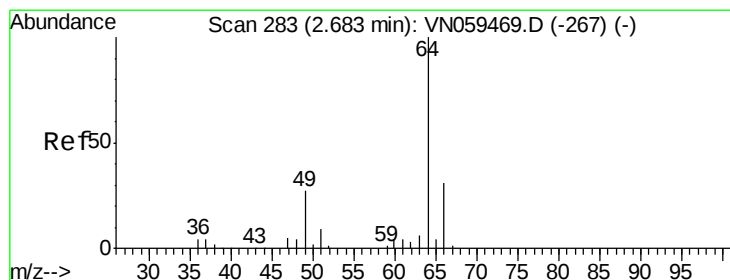
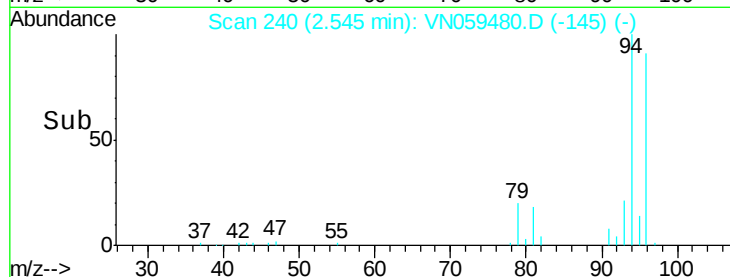
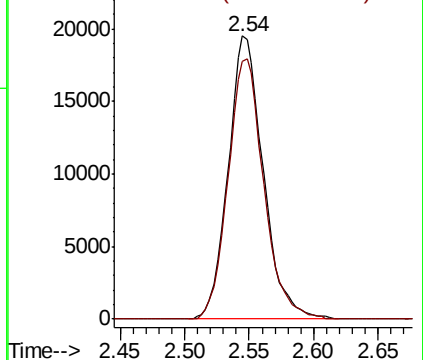
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.046 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN059480.D

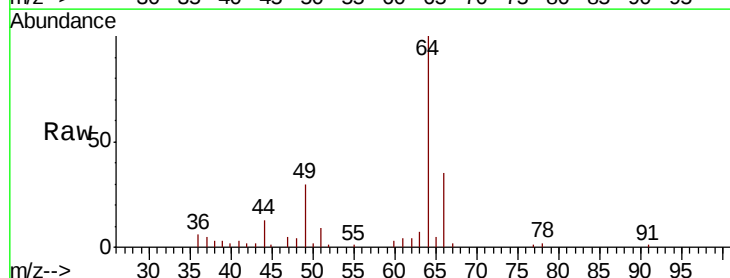
Acq: 4 Dec 2019 12:08

Tgt Ion: 64 Resp: 35980

Ion Ratio Lower Upper

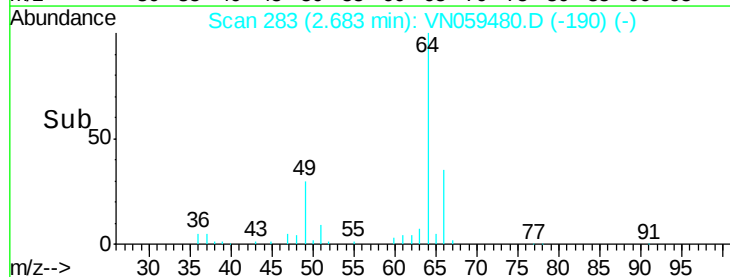
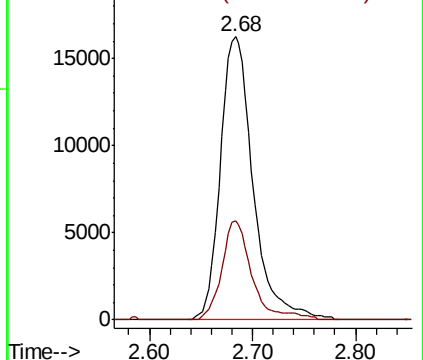
64 100

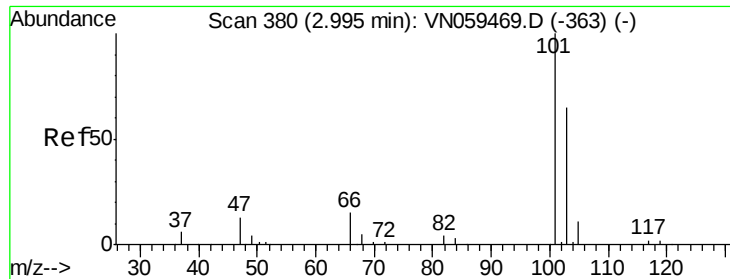
66 35.1 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

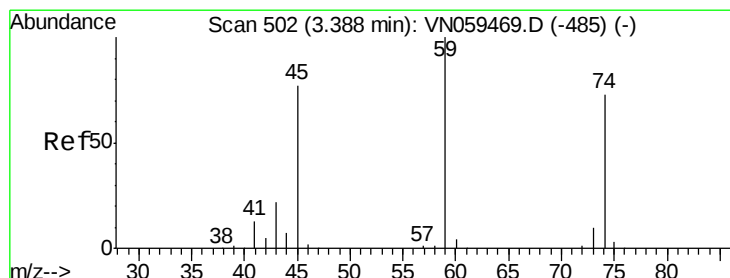
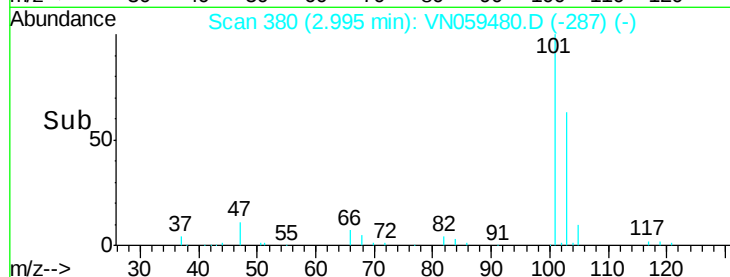
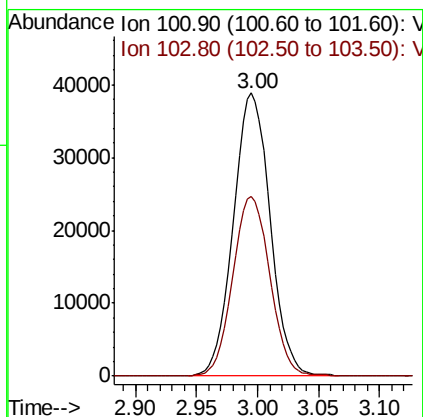
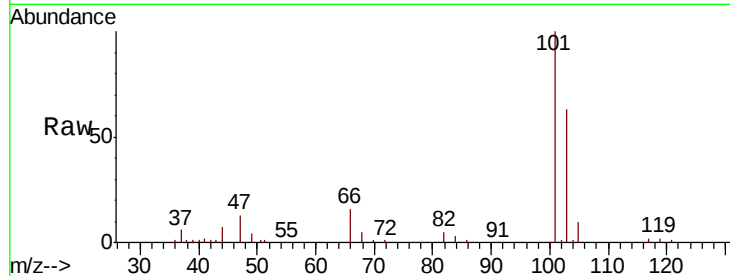
Trichlorofluoromethane
Concen: 19.942 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tot Ion:101 Resp: 81333
Ion Ratio Lower Upper
101 100
103 63.4 52.4 78.6

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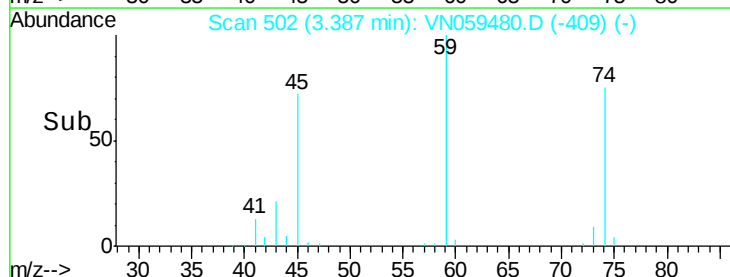
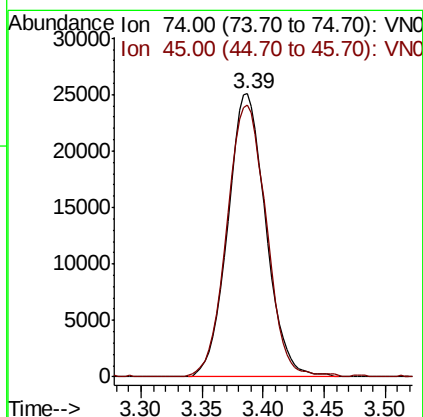
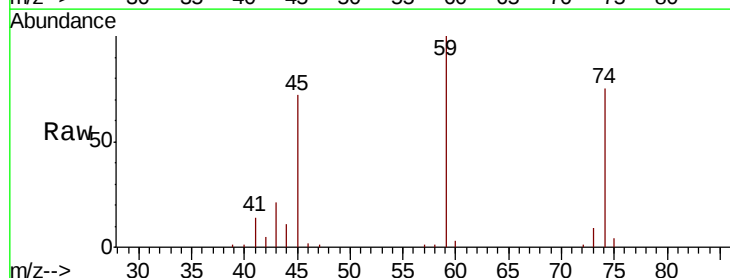
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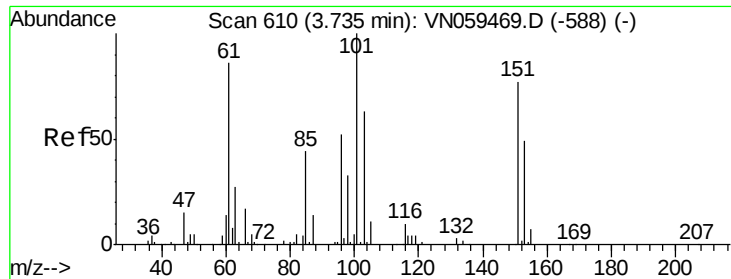


#8

Diethyl Ether
Concen: 20.441 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion: 74 Resp: 54318
Ion Ratio Lower Upper
74 100
45 99.8 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.203 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

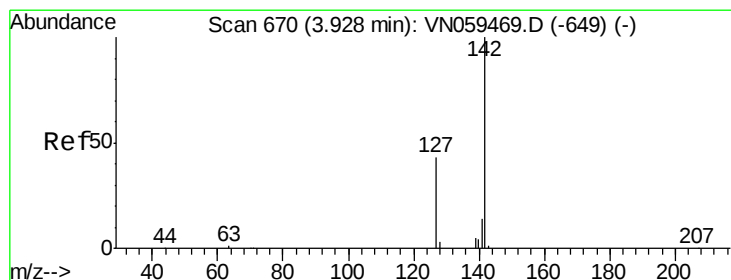
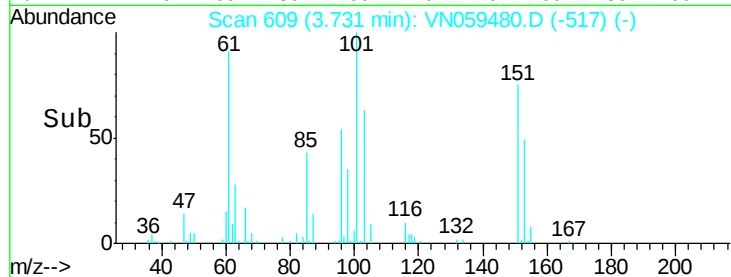
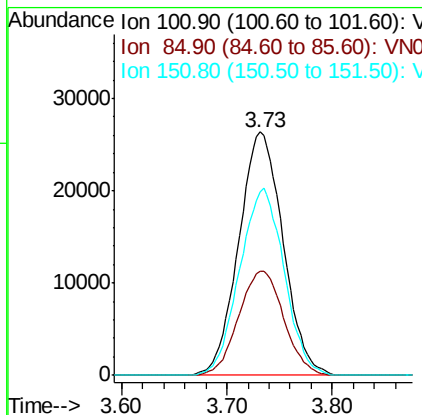
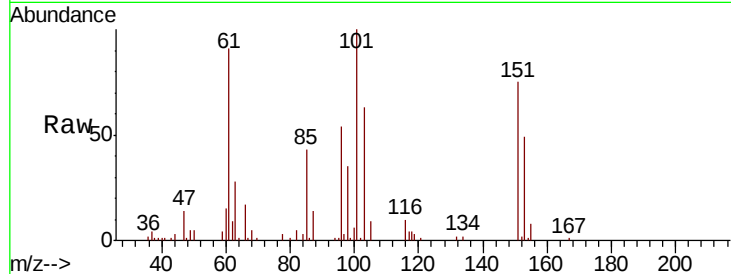
ClientSampleId :

VN1204MBS01

Tot Ion:	101	Resp:	76881
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.2	52.8
151	77.1	62.4	93.6

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#10

Methyl Iodide

Concen: 19.010 ug/l

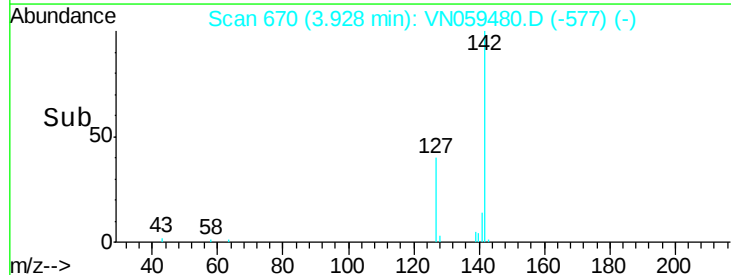
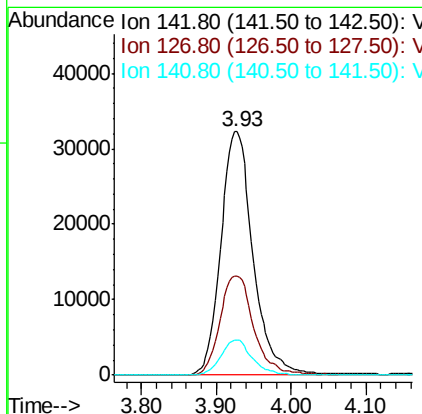
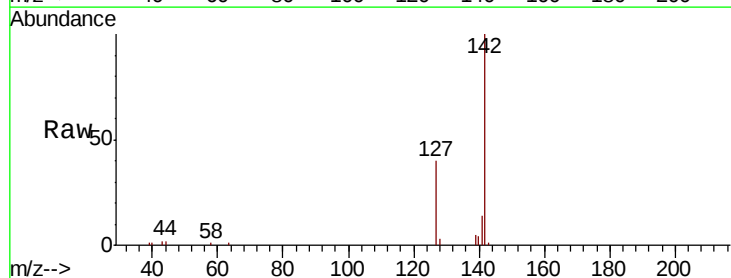
RT: 3.93 min Scan# 670

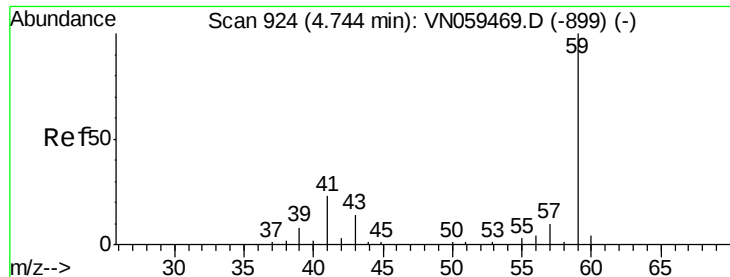
Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Tgt Ion:	142	Resp:	96370
Ion Ratio	Lower	Upper	
142	100		
127	42.5	34.6	52.0
141	13.9	11.4	17.0





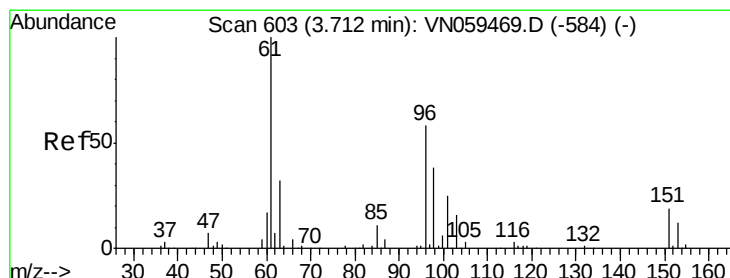
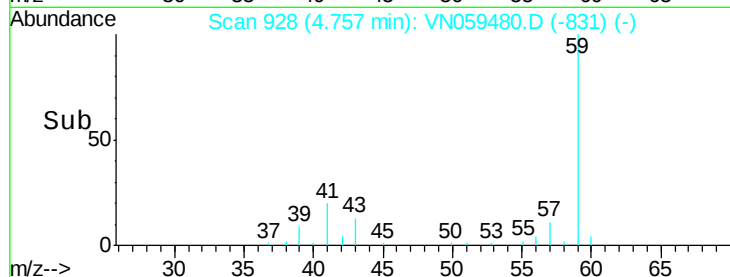
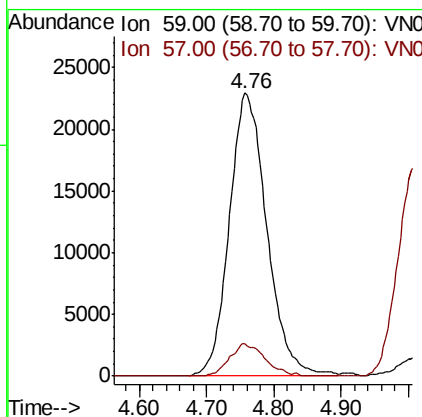
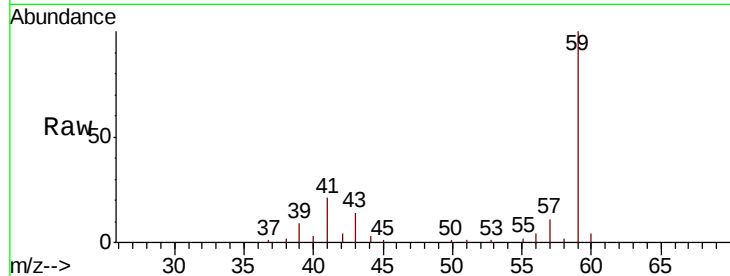
#11
Tert butyl alcohol
Concen: 100.520 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.01 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampled :
VN1204MBS01

Tot Ion	59	57	Ratio	100	10.7	Resp	88788	Lower	Upper
59	100								
57		10.7						8.1	12.1

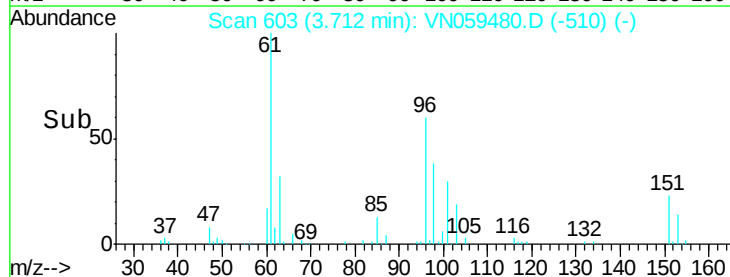
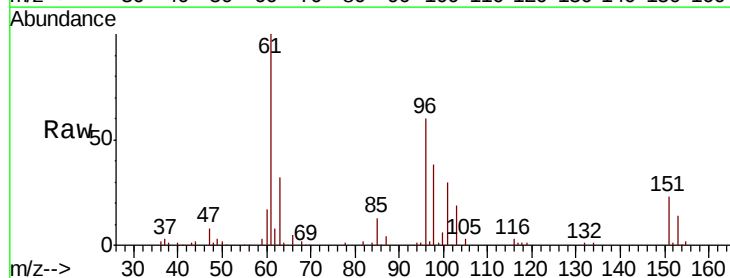
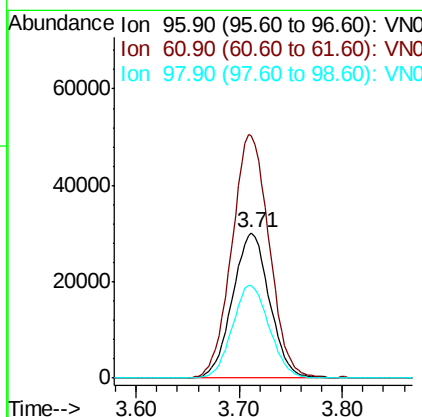
Manual Integrations
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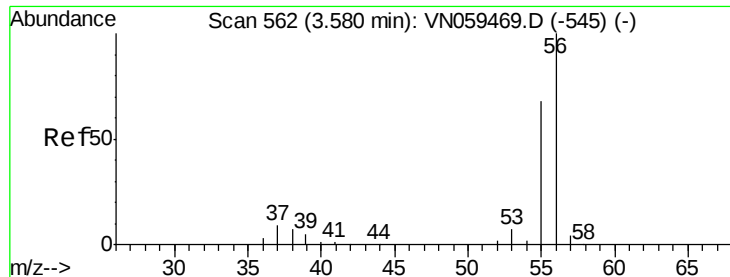
apatel
12/5/2019 11:19:41 AM



#12
1,1-Dichloroethene
Concen: 19.253 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion	96	61	98	Ratio	100	167.2	63.4	Resp	75350	Lower	Upper
96	100										
61		167.2								137.1	205.7
98			63.4							52.4	78.6





#13

Acrolein

Concen: 98.850 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tot Ion: 56 Resp: 75777

Ion Ratio Lower Upper

56 100

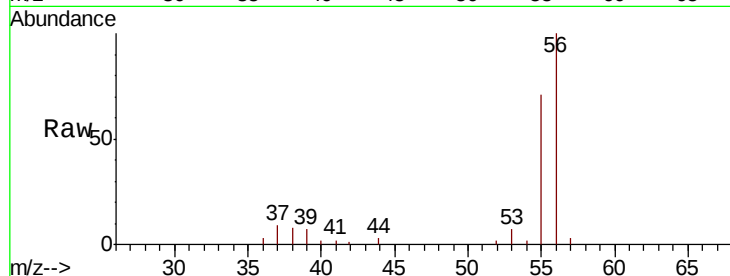
55 70.1 56.5 84.7

Manual Integrations

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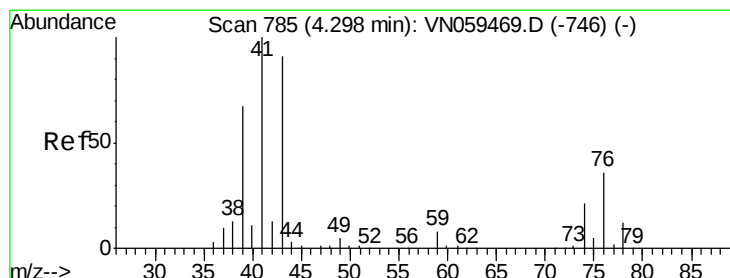
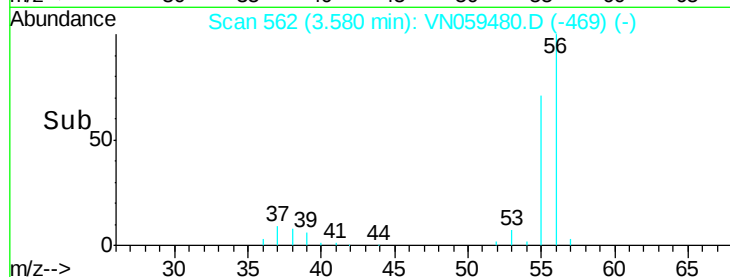
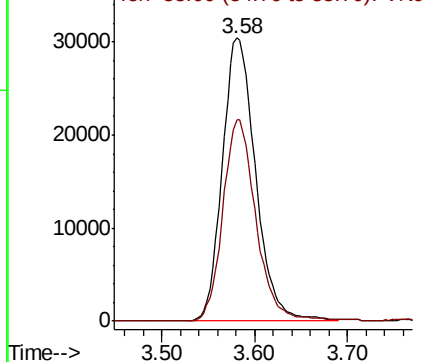
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.882 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

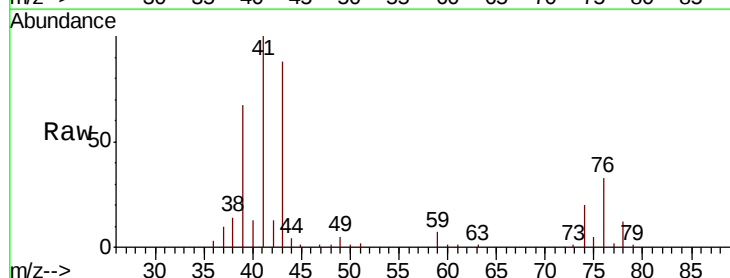
Tgt Ion: 41 Resp: 145550

Ion Ratio Lower Upper

41 100

39 62.0 49.3 73.9

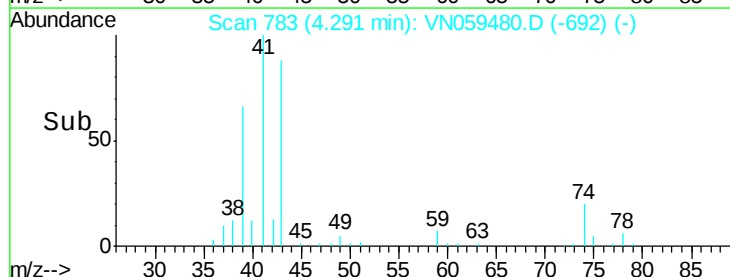
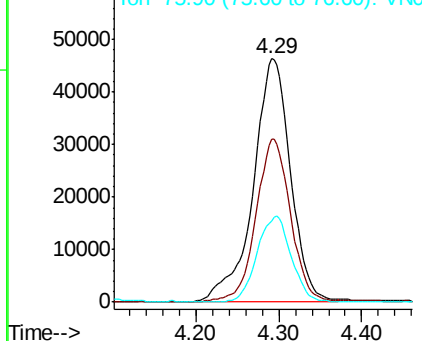
76 32.0 25.6 38.4

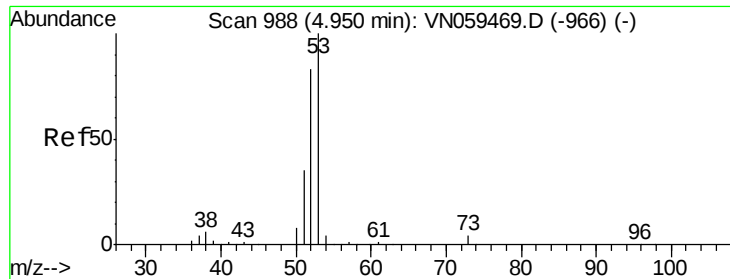


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 100.203 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

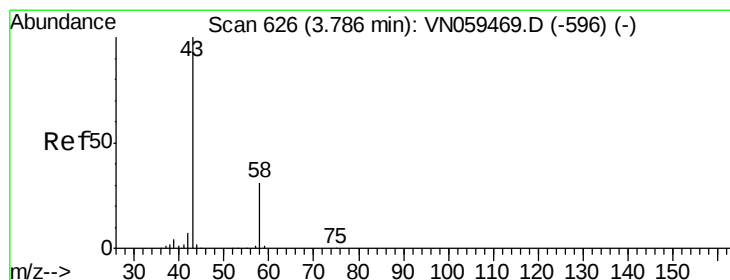
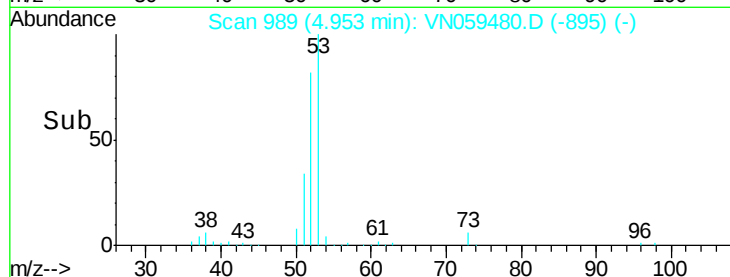
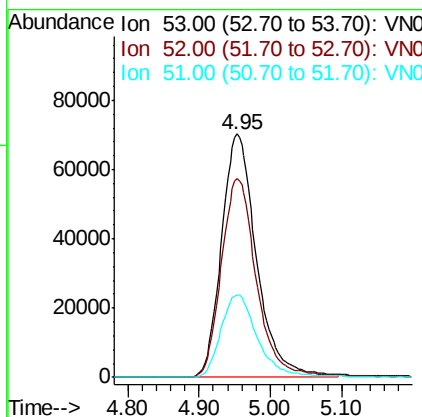
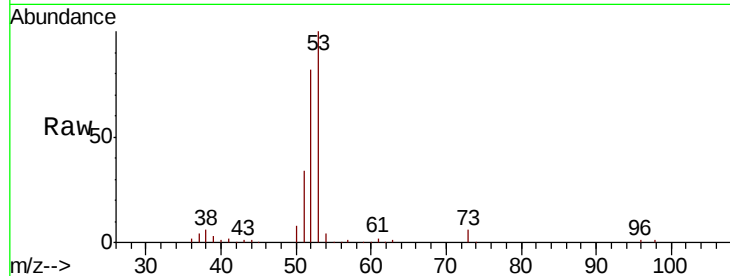
ClientSampleId :

VN1204MBS01

Tot Ion:	53	Resp:	239448
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.5	98.3
51	35.5	28.5	42.7

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#16

Acetone

Concen: 99.298 ug/l

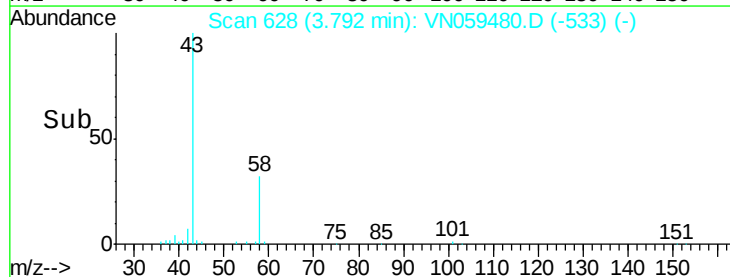
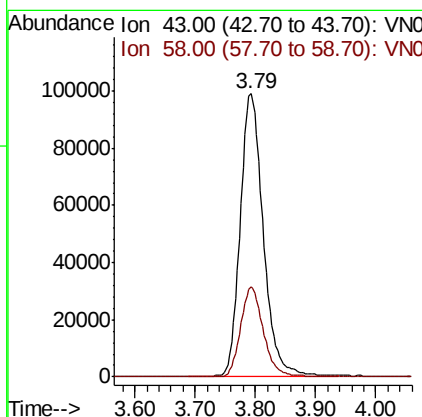
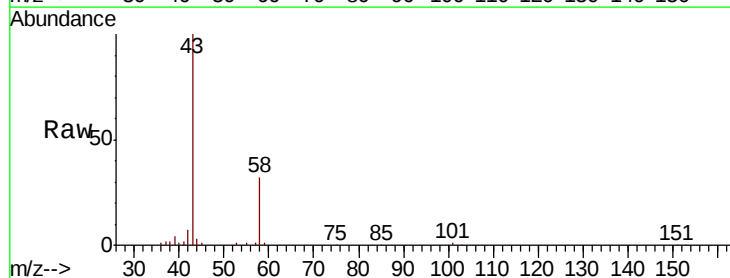
RT: 3.79 min Scan# 628

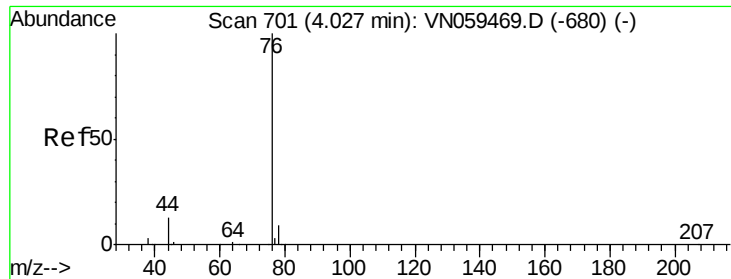
Delta R.T. 0.01 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Tgt Ion:	43	Resp:	268139
Ion Ratio	Lower	Upper	
43	100		
58	31.8	24.9	37.3





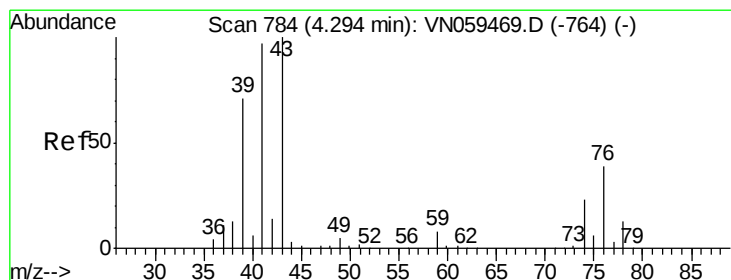
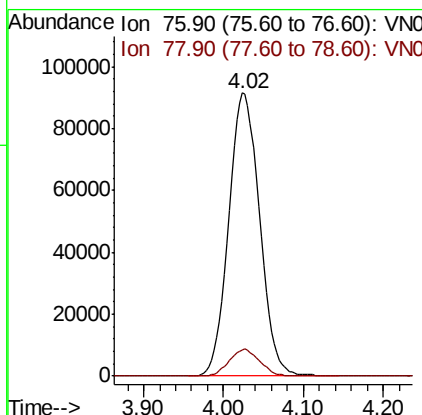
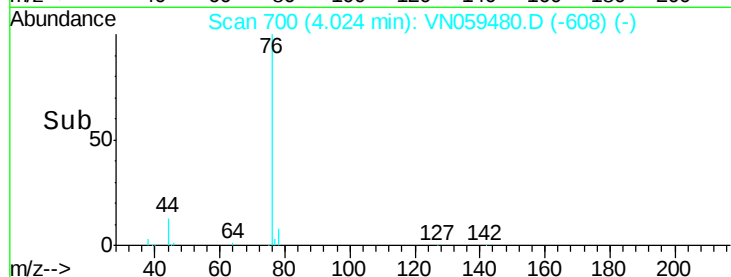
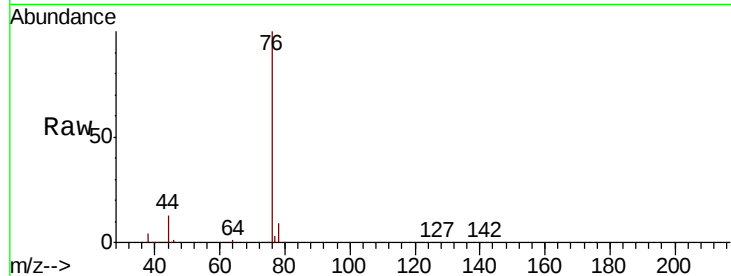
#17
Carbon Disulfide
Concen: 17.977 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampled :
VN1204MBS01

Tot Ion: 76 Resp: 240058
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6

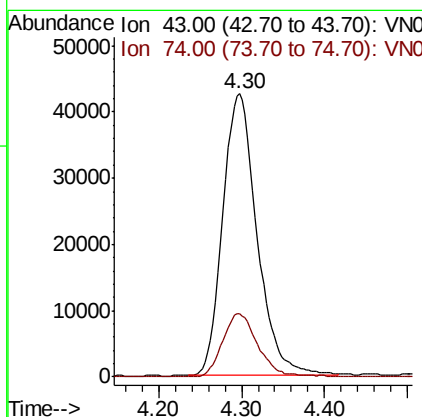
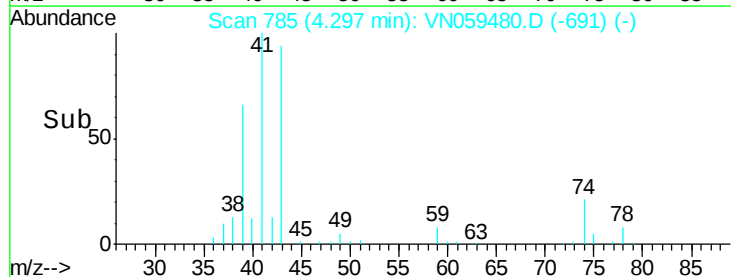
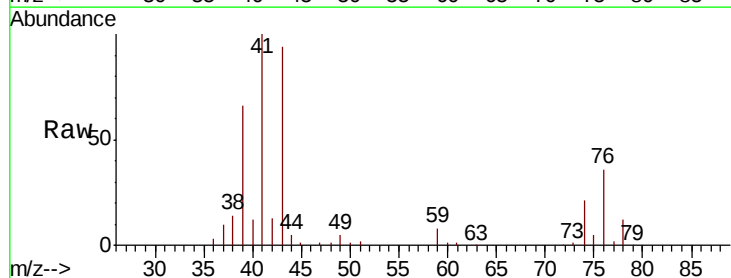
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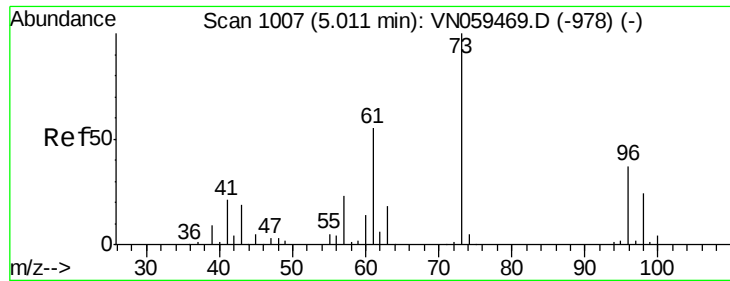
apatel
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#18
Methyl Acetate
Concen: 19.382 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion: 43 Resp: 122299
Ion Ratio Lower Upper
43 100
74 23.1 18.3 27.5





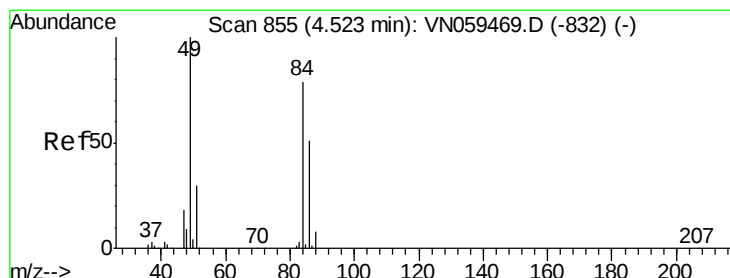
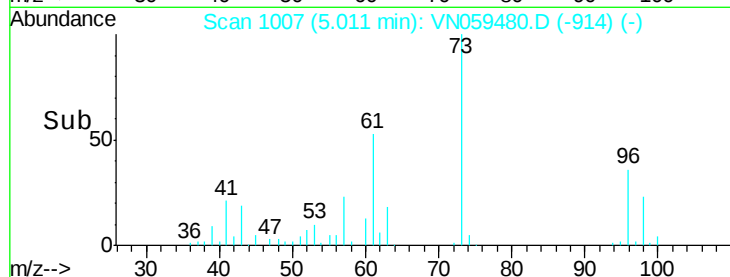
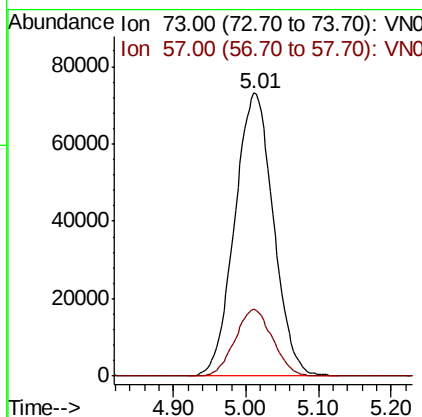
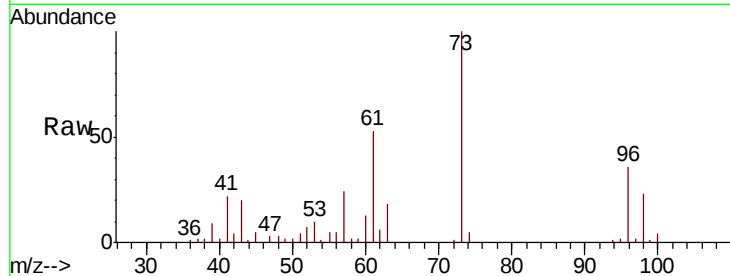
#19
Methvl tert-butvl Ether
Concen: 20.359 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tot Ion: 73 Resp: 271561
Ion Ratio Lower Upper
73 100
57 23.6 18.0 27.0

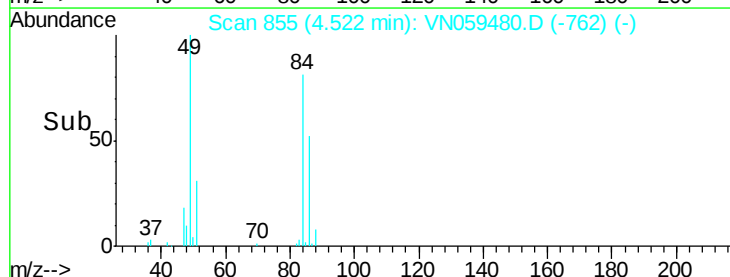
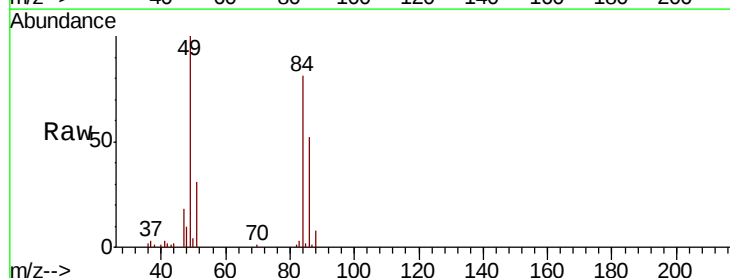
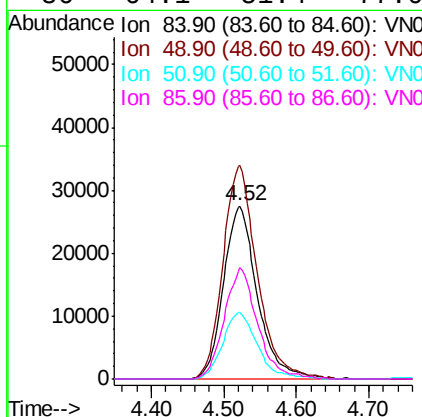
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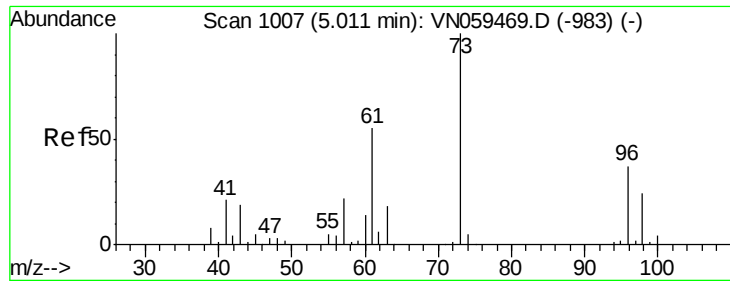
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#20
Methylene Chloride
Concen: 19.432 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion: 84 Resp: 89030
Ion Ratio Lower Upper
84 100
49 123.4 101.1 151.7
51 38.3 30.7 46.1
86 64.1 51.4 77.0





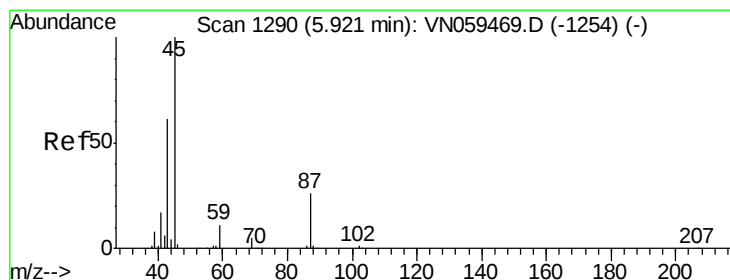
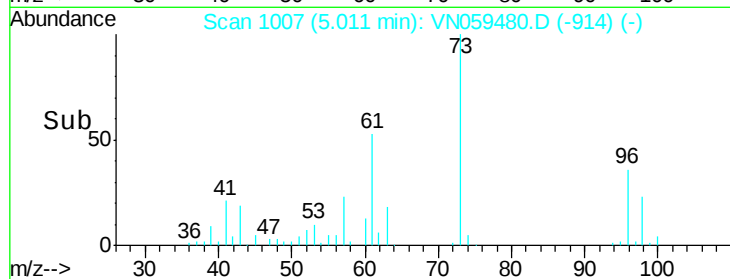
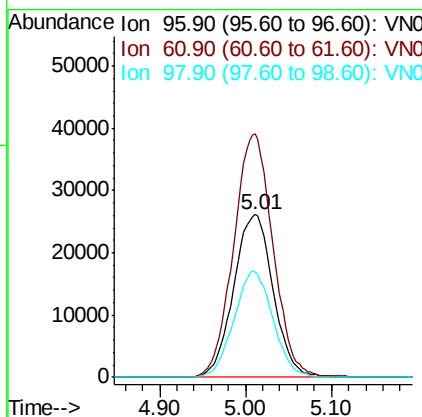
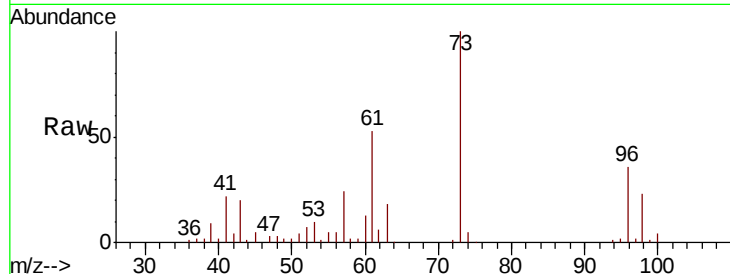
#21
trans-1,2-Dichloroethene
Concen: 19.052 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampled :
VN1204MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.8	118.9	178.3
98	65.1	51.6	77.4

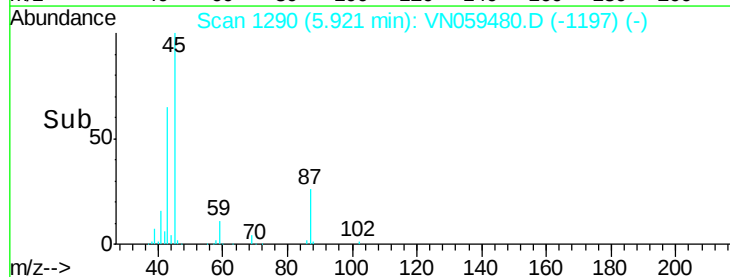
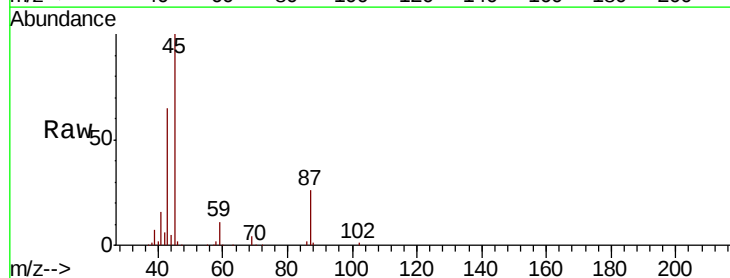
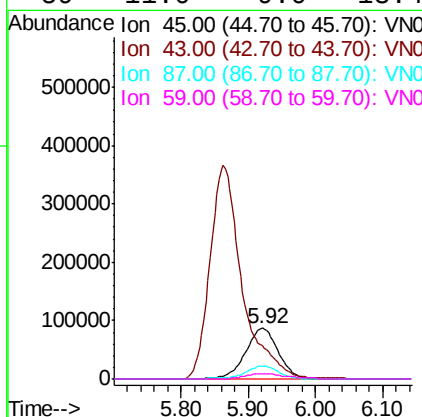
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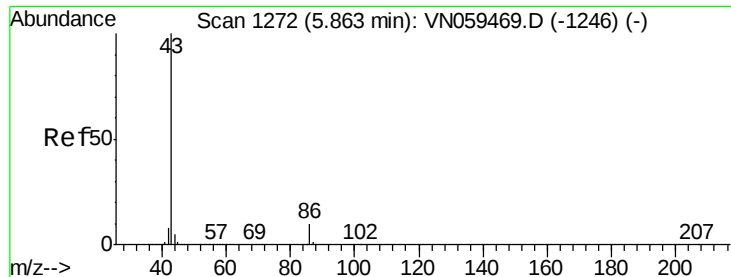
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#22
Diisopropyl ether
Concen: 20.570 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.6	49.1	73.7
87	26.2	21.6	32.4
59	11.0	9.0	13.4





#23

Vinyl Acetate

Concen: 105.949 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tot Ion: 43 Resp: 1219751

Ion Ratio Lower Upper

43 100

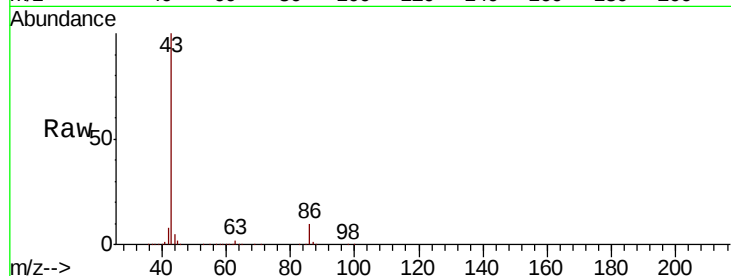
86 9.7 8.0 12.0

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

400000

300000

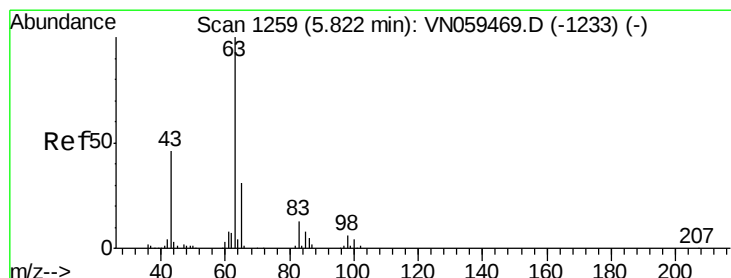
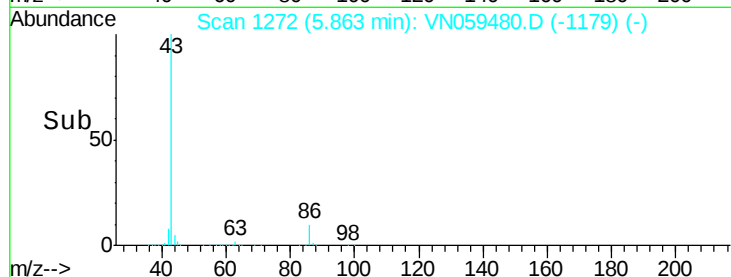
200000

100000

0

5.80 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 19.758 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

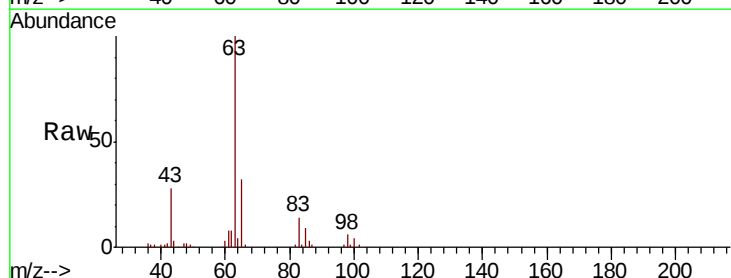
Tgt Ion: 63 Resp: 161034

Ion Ratio Lower Upper

63 100

98 5.8 3.2 9.6

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.82

60000

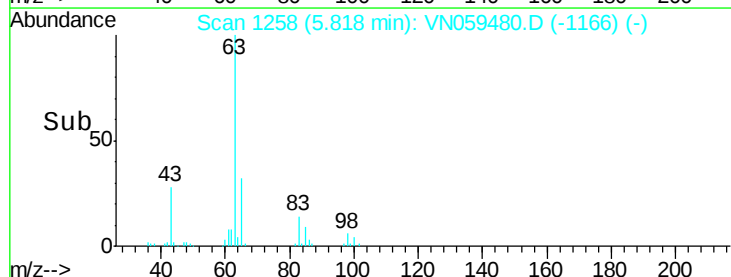
40000

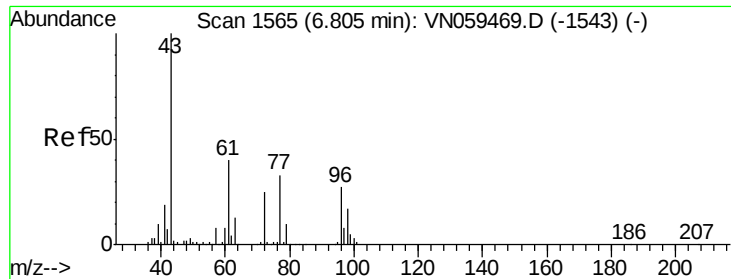
20000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 94.140 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tot Ion: 43 Resp: 335404

Ion Ratio Lower Upper

43 100

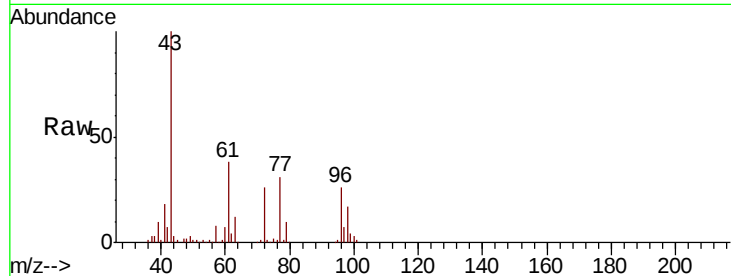
72 25.7 20.2 30.2

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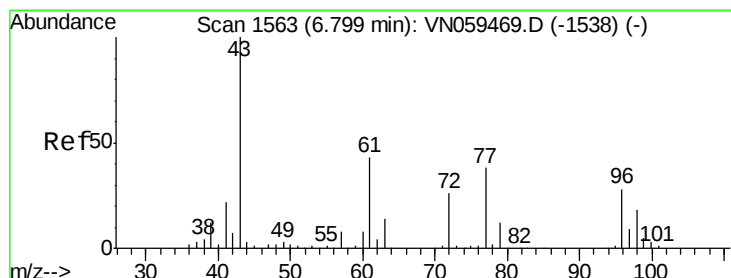
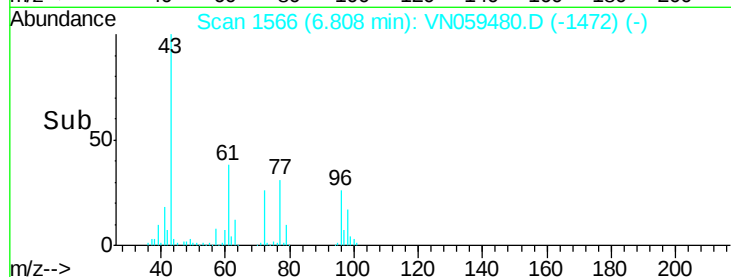
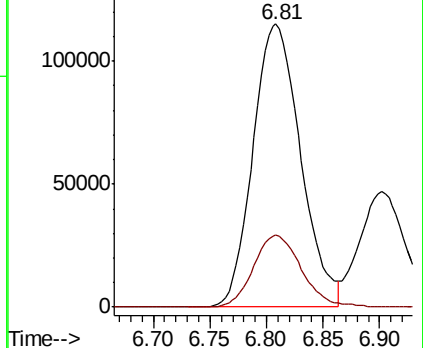
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.297 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059480.D

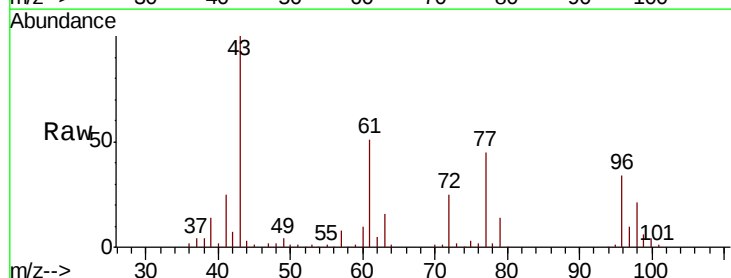
Acq: 4 Dec 2019 12:08

Tgt Ion: 77 Resp: 136033

Ion Ratio Lower Upper

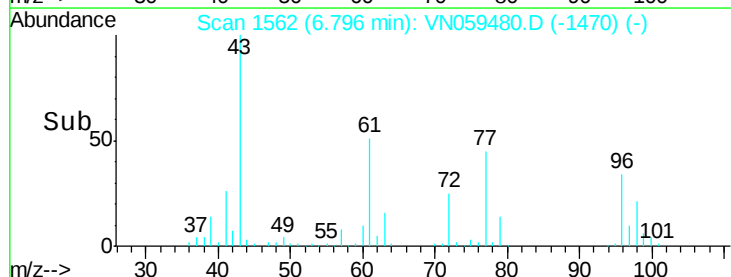
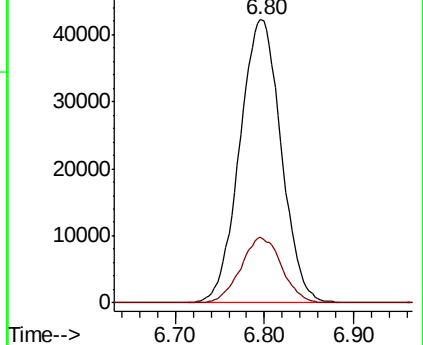
77 100

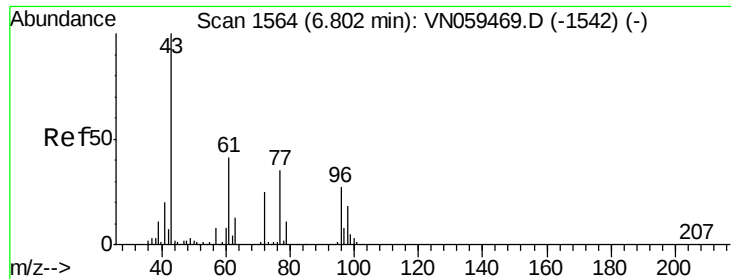
97 22.8 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





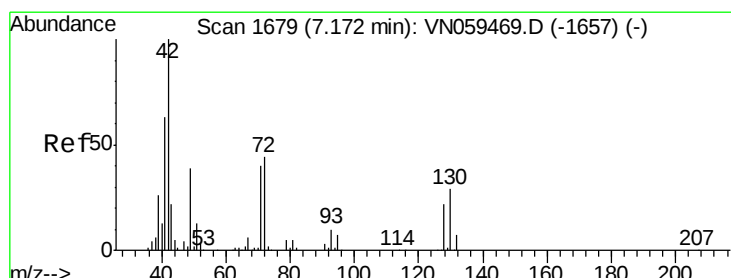
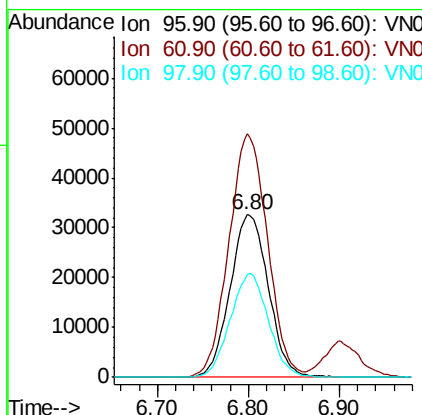
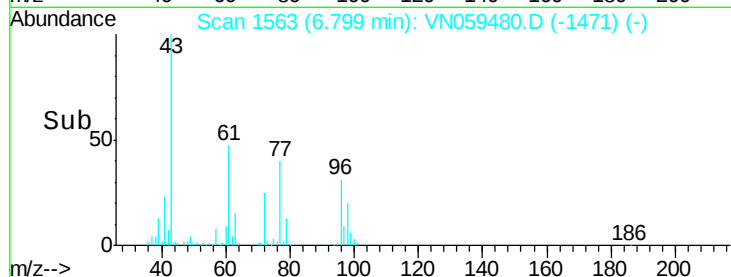
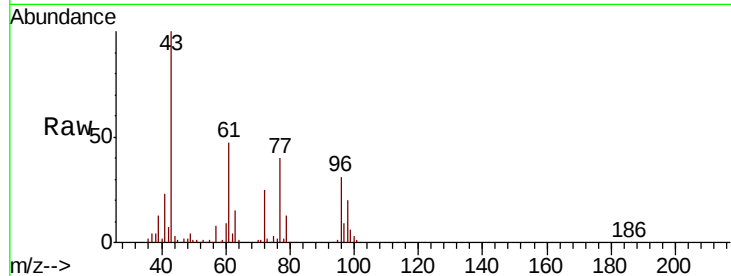
#27
 cis-1,2-Dichloroethene
 Concen: 19.634 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Instrument :
 MSVOA_N
 ClientSampled :
 VN1204MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	150.6	0.0	307.4	
98	63.5	0.0	129.2	

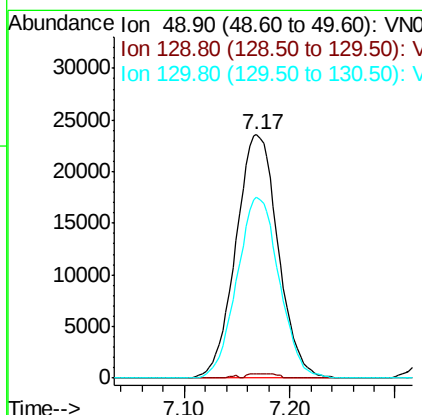
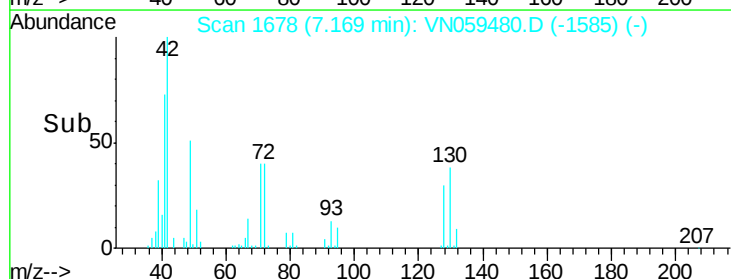
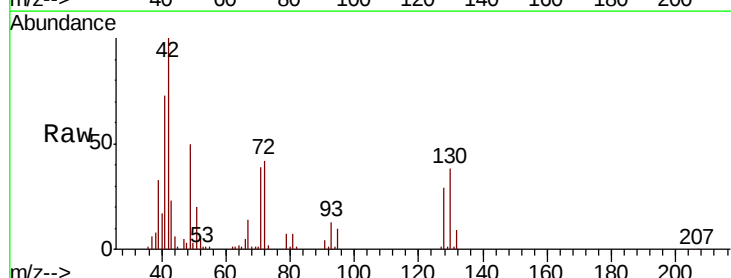
Manual Integrations
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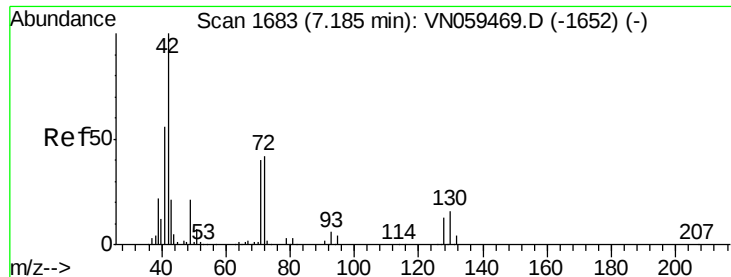
apatel
 12/5/2019 11:19:41 AM



#28
 Bromochloromethane
 Concen: 21.047 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. -0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.3	0.0	3.2	
130	74.3	58.4	87.6	





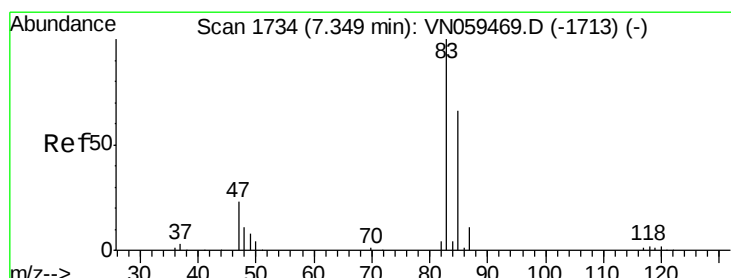
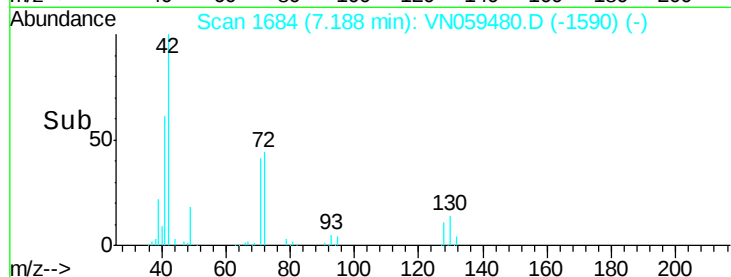
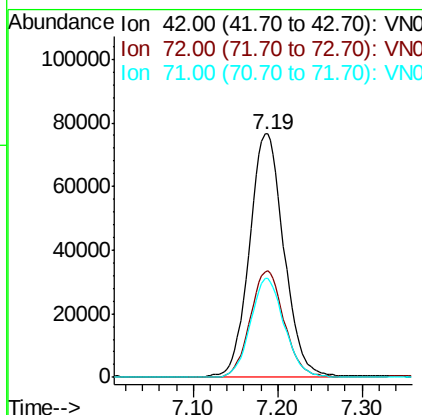
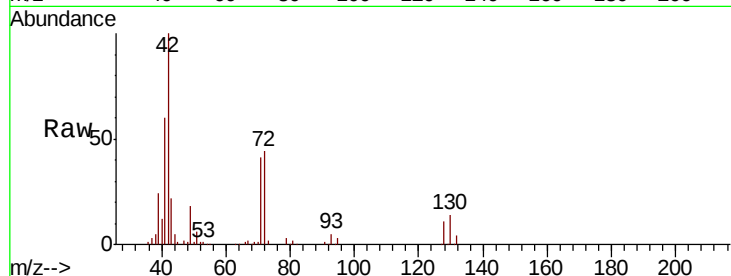
#29
Tetrahydrofuran
Concen: 97.275 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampled :
VN1204MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.2	51.2
71	39.7	32.0	48.0

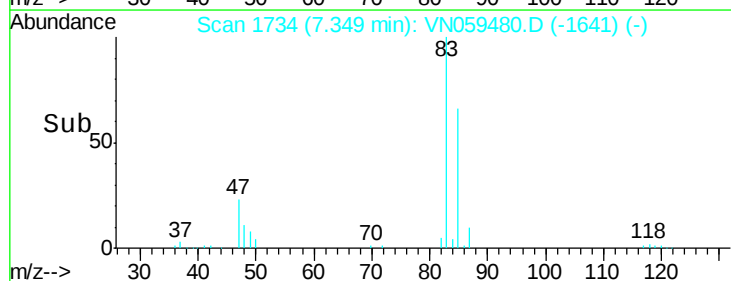
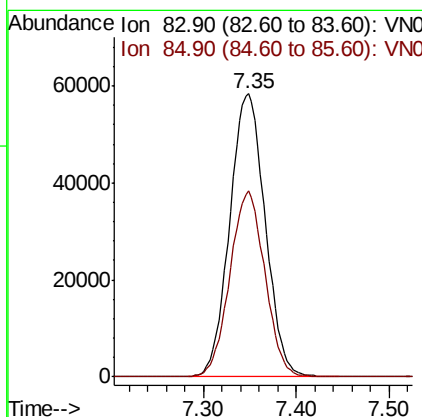
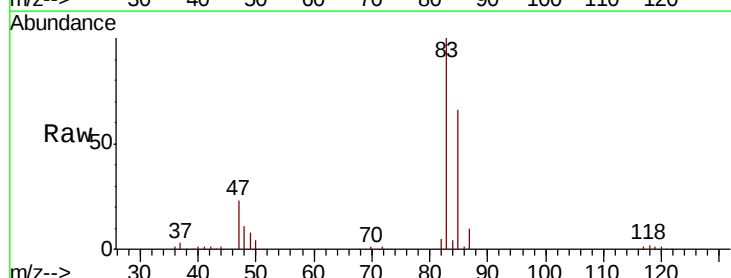
Manual Integrations
APPROVED

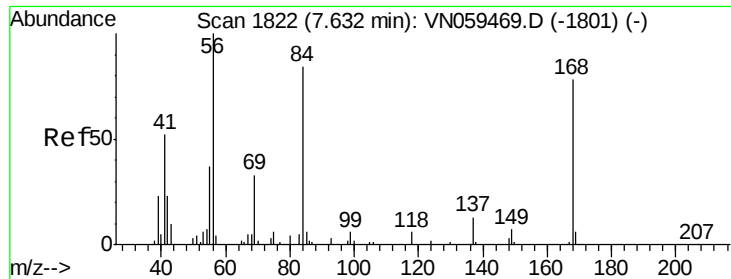
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#30
Chloroform
Concen: 19.668 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.4	78.6





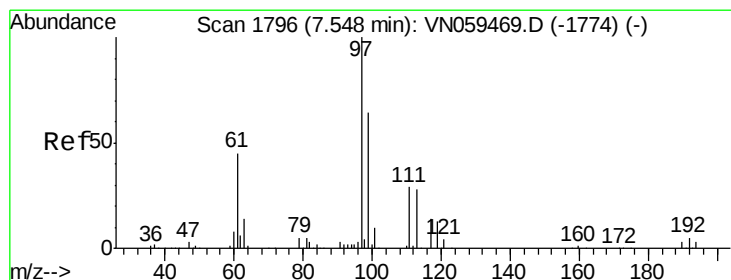
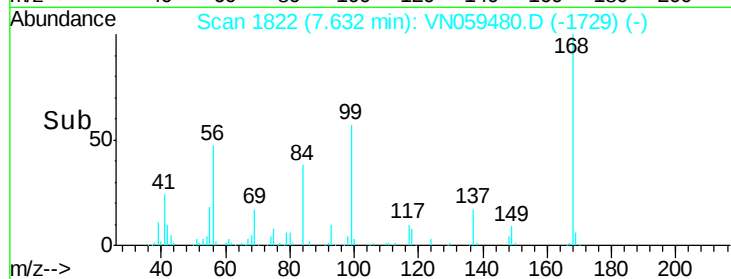
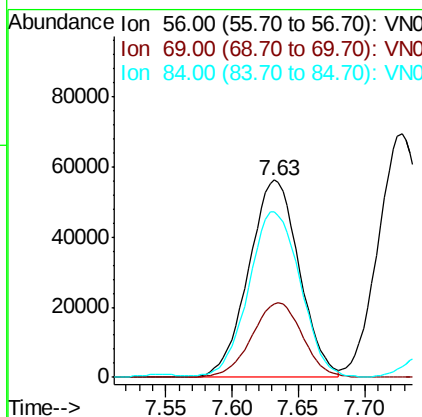
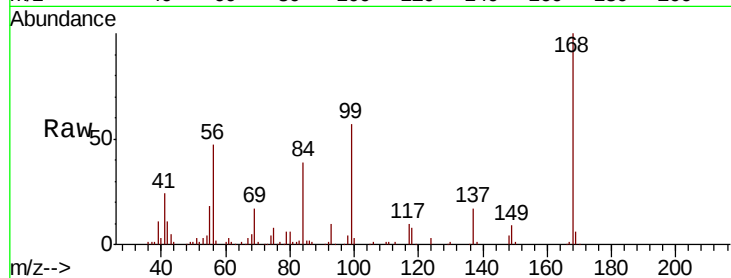
#31
Cyclohexane
Concen: 18.894 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampled :
VN1204MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.0	26.2	39.4
84	83.3	66.8	100.2

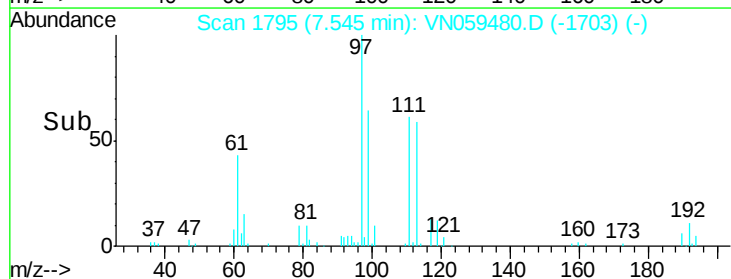
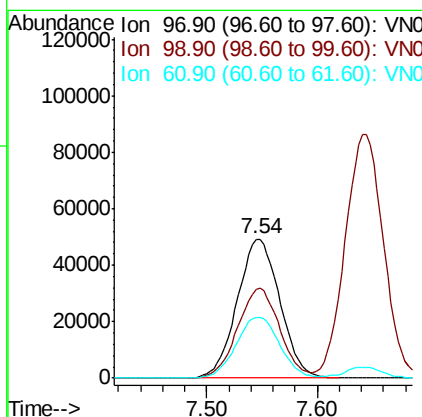
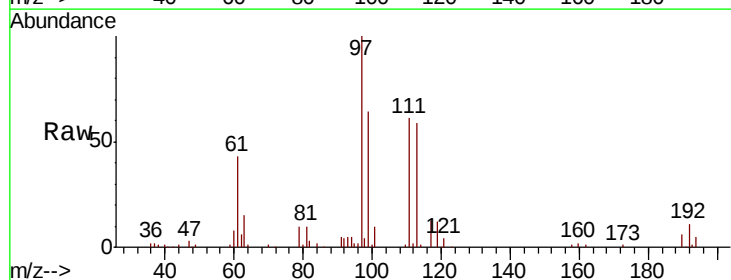
Manual Integrations
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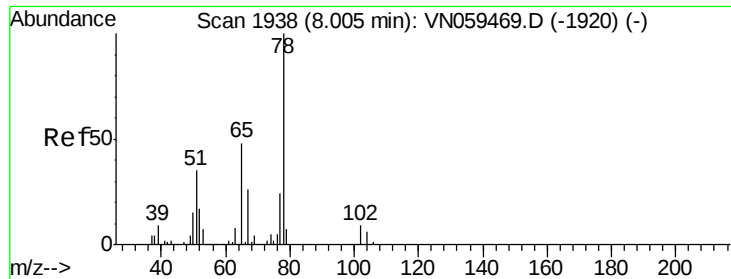
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#32
1,1,1-Trichloroethane
Concen: 19.265 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.7	77.5
61	44.7	35.4	53.0





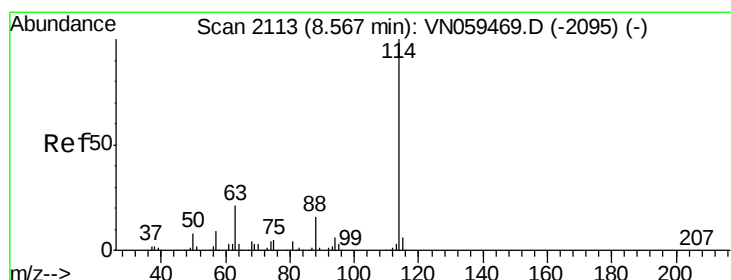
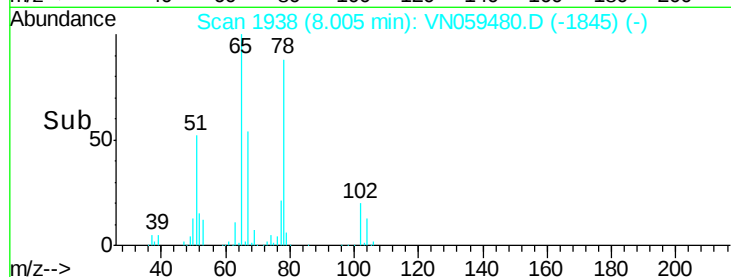
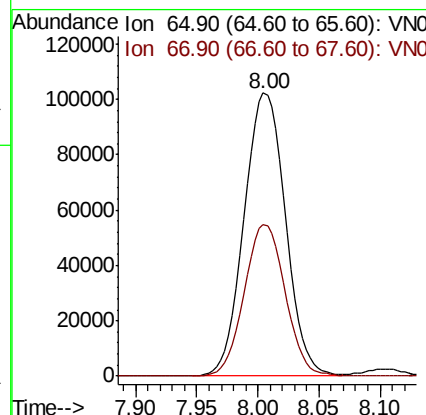
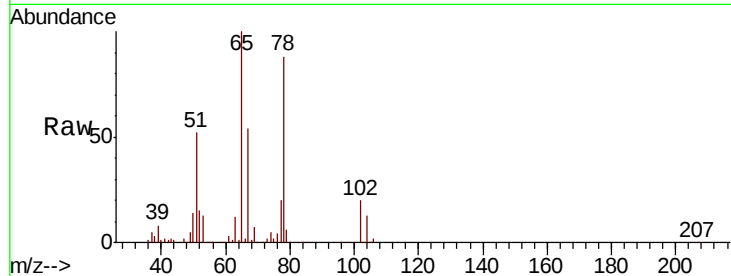
#33
 1,2-Dichloroethane-d4
 Concen: 51.370 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	240792		
67	52.9	0.0	107.4	

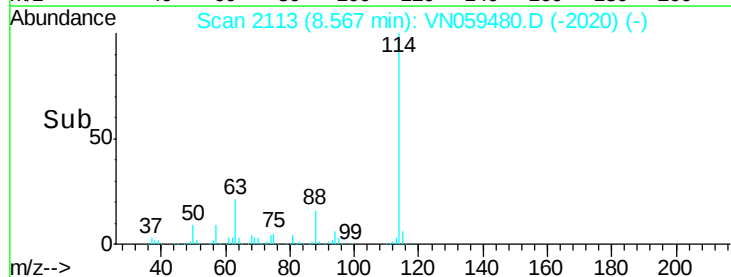
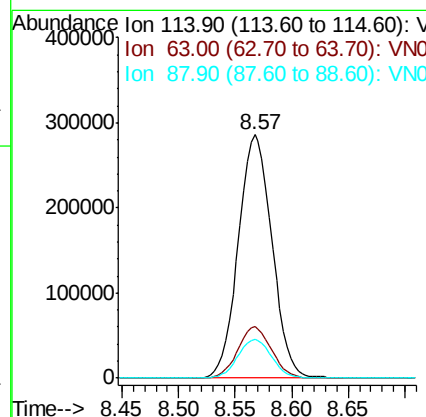
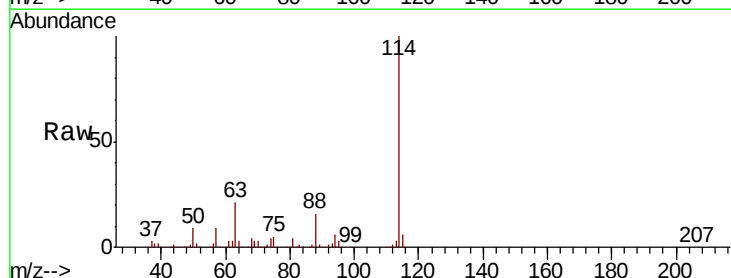
Manual Integrations
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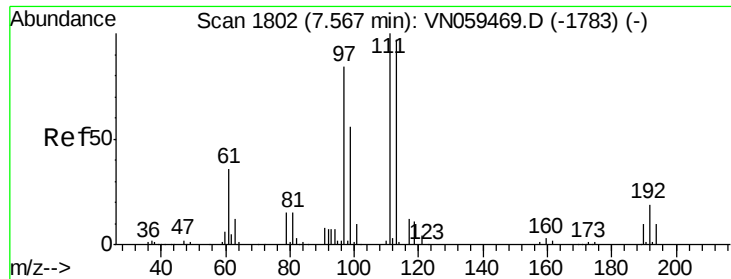
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	593588		
63	21.1	0.0	42.4	
88	15.7	0.0	32.8	





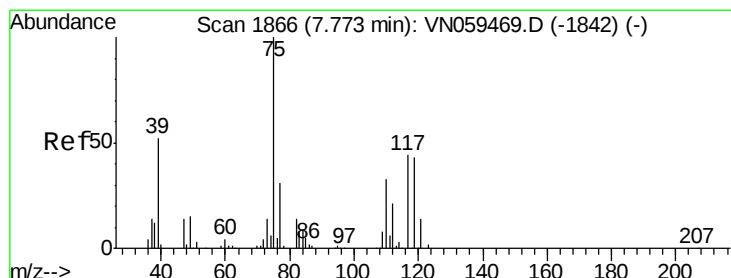
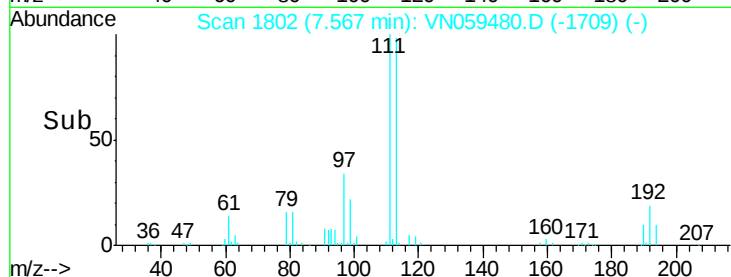
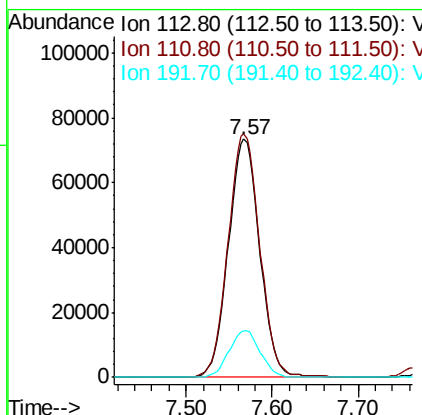
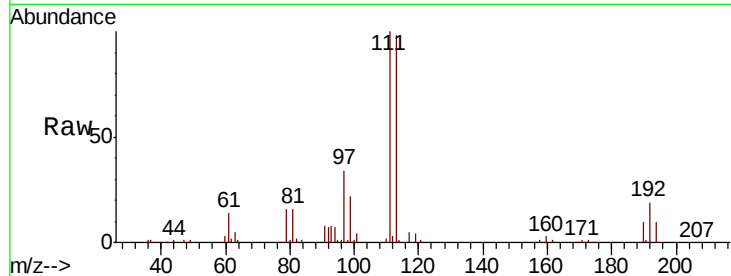
#35
 Dibromofluoromethane
 Concen: 50.190 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	185553		
111	103.1	82.5	123.7	
192	19.4	16.1	24.1	

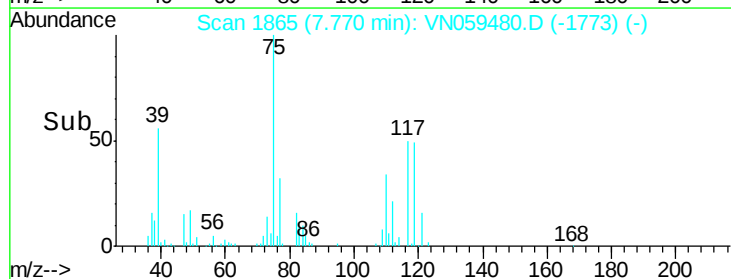
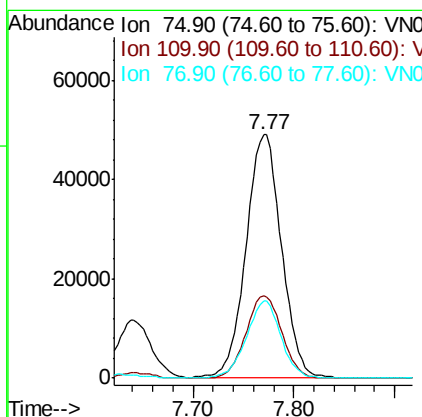
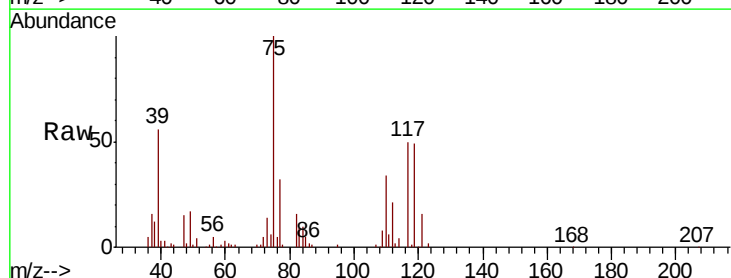
Manual Integrations
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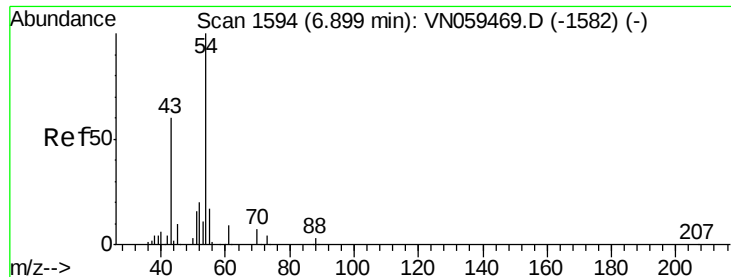
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#36
 1,1-Dichloropropene
 Concen: 19.204 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	118625		
110	34.2	16.9	50.7	
77	31.1	25.1	37.7	





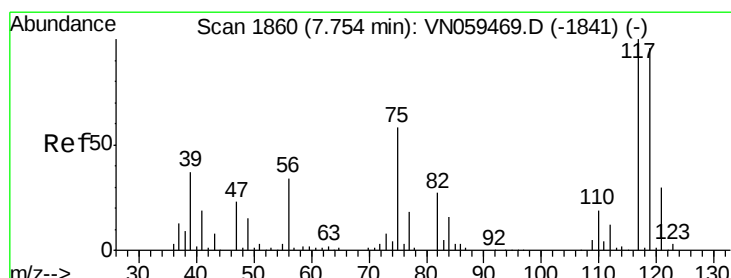
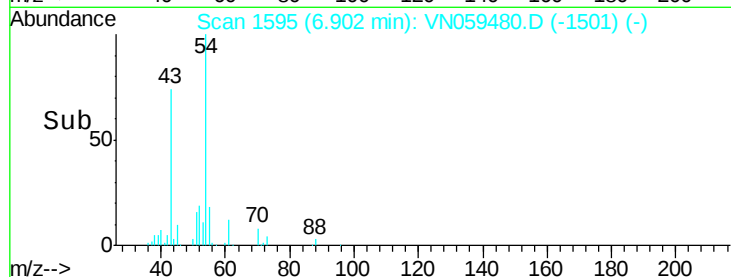
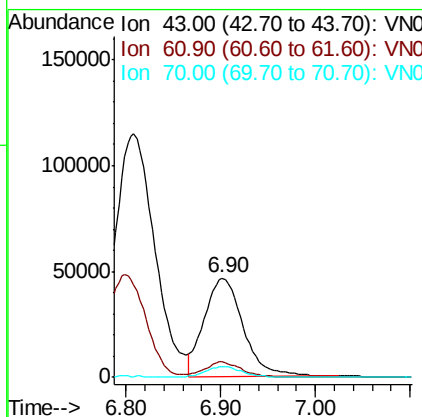
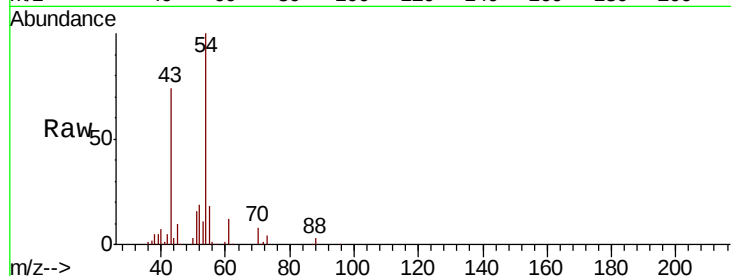
#37
Ethyl Acetate
Concen: 19.355 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampled :
VN1204MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.3	16.9
70	10.3	8.3	12.5

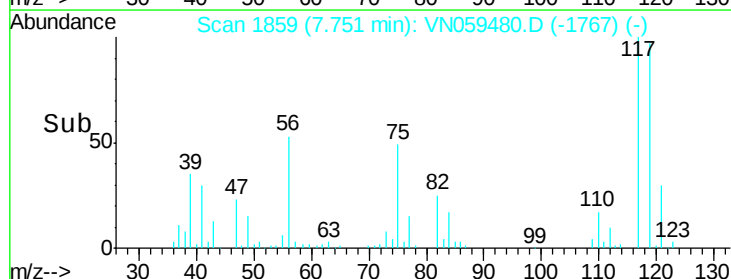
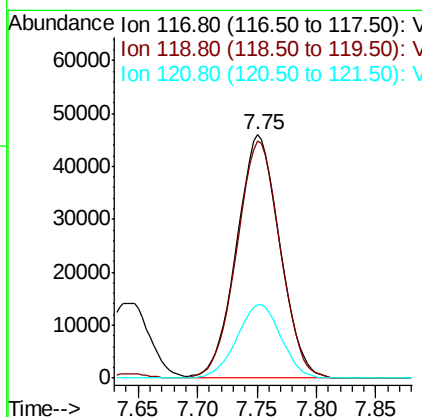
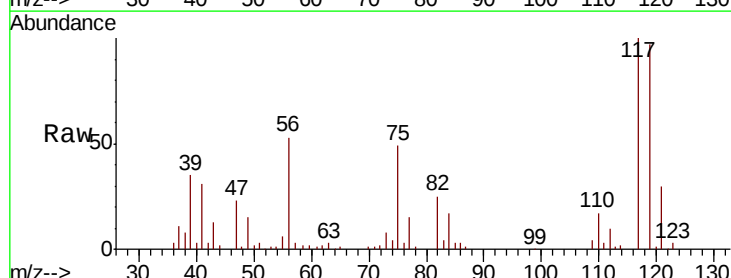
Manual Integrations
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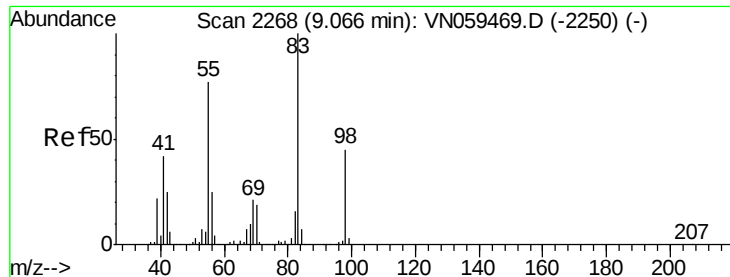
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#38
Carbon Tetrachloride
Concen: 19.439 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.6	114.8
121	30.1	24.0	36.0





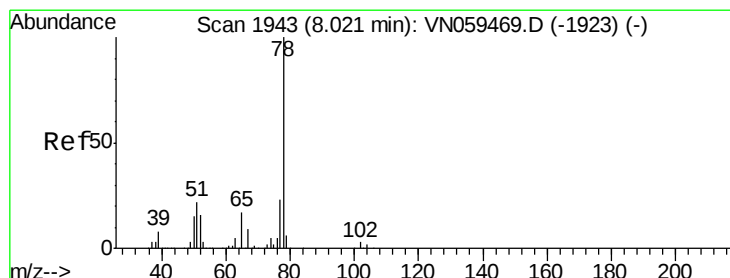
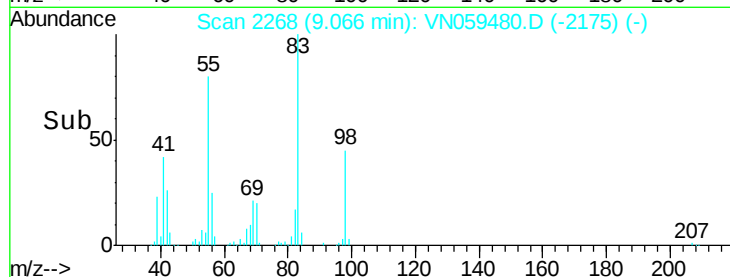
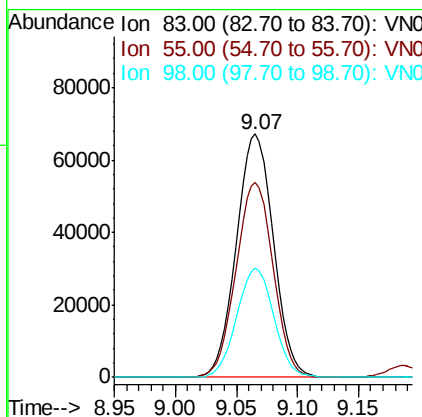
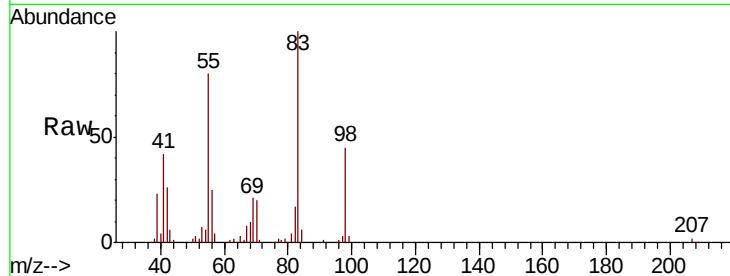
#39
Methvlcvclohexane
Concen: 19.008 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	61.8	92.6
98	44.7	36.2	54.2

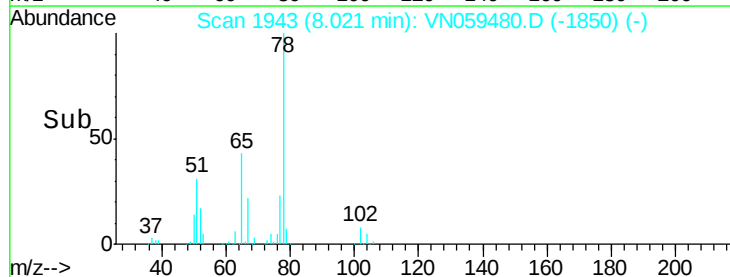
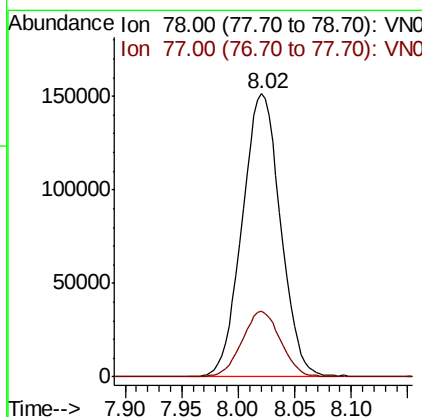
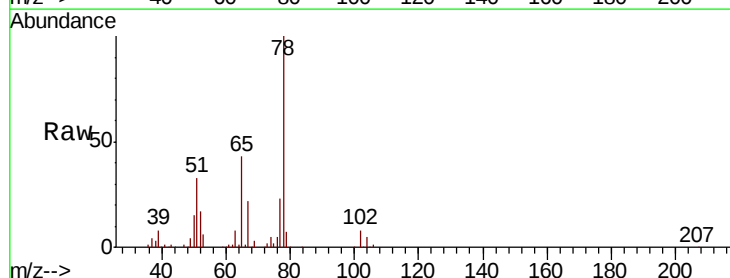
Manual Integrations
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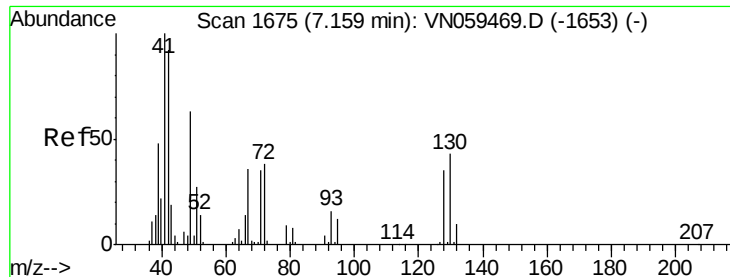
apatel
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#40
Benzene
Concen: 19.807 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.2	27.2





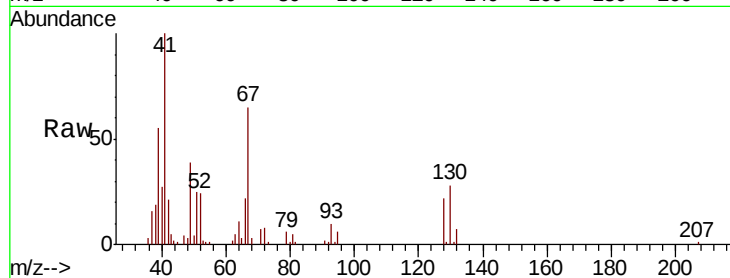
#41
Methacrylonitrile
Concen: 19.724 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

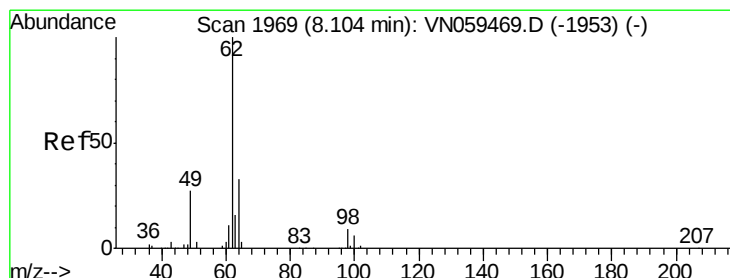
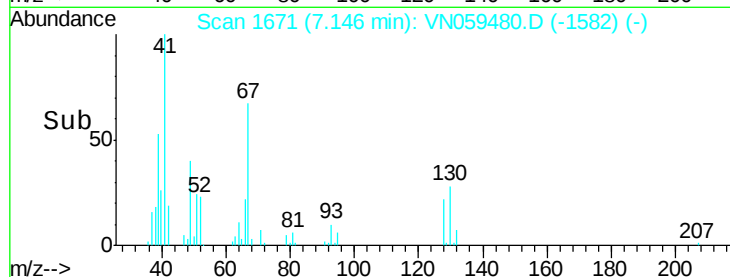
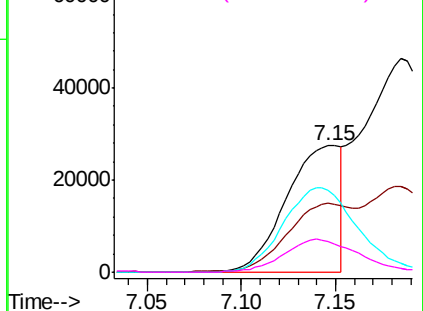
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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12/5/2019 11:19:41 AM

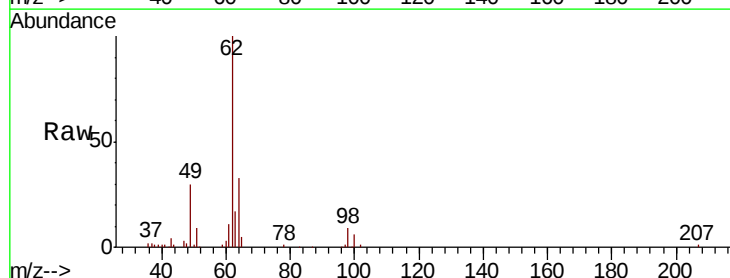


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

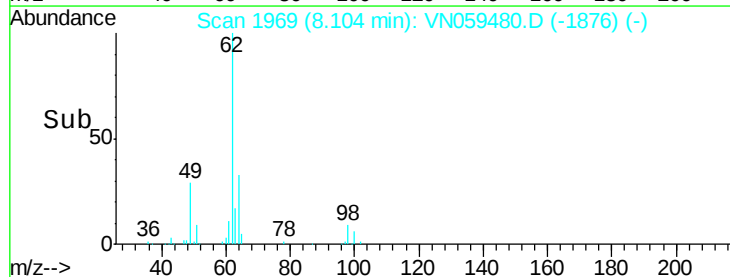
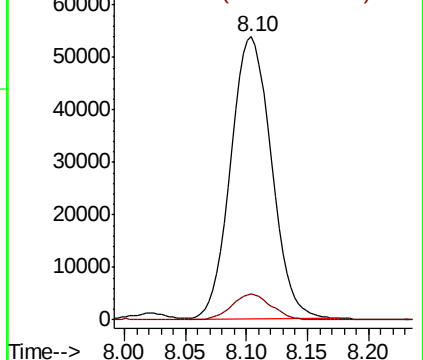


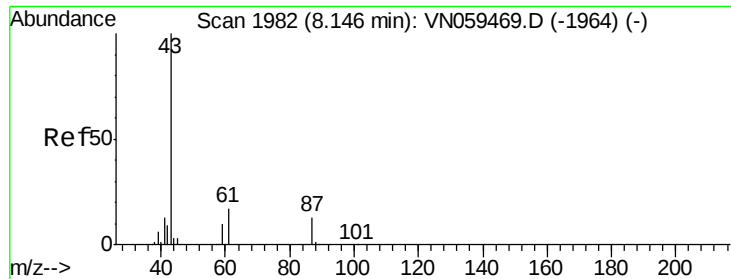
#42
1,2-Dichloroethane
Concen: 20.248 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.137 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

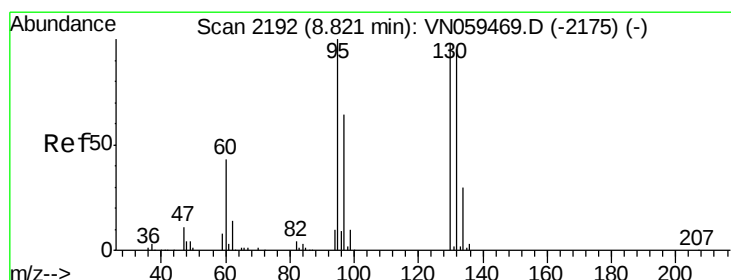
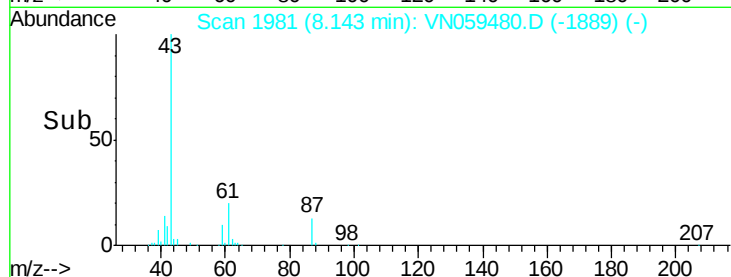
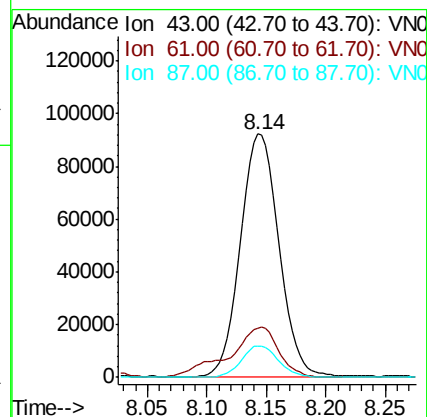
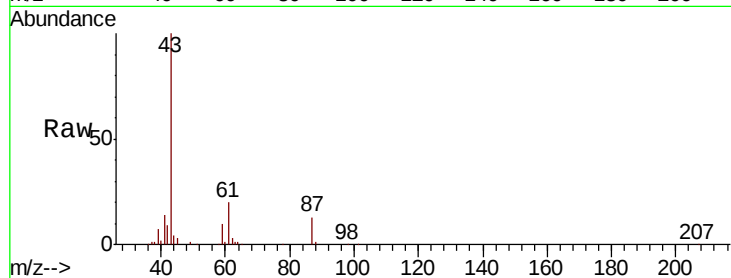
ClientSampleId :

VN1204MBS01

Tot Ion:	43	Resp:	206647
Ion Ratio		Lower	Upper
43	100		
61	26.9	21.0	31.6
87	12.6	10.4	15.6

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#44

Trichloroethene

Concen: 19.660 ug/l

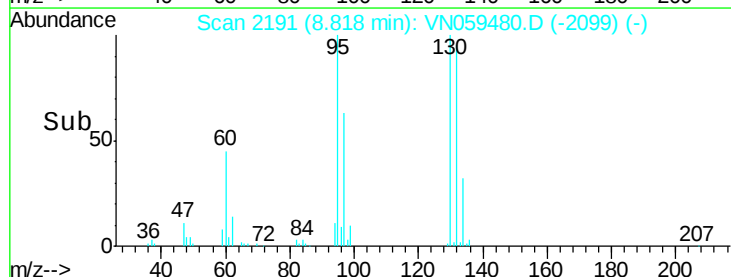
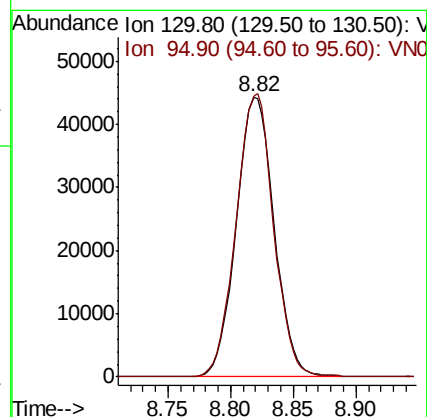
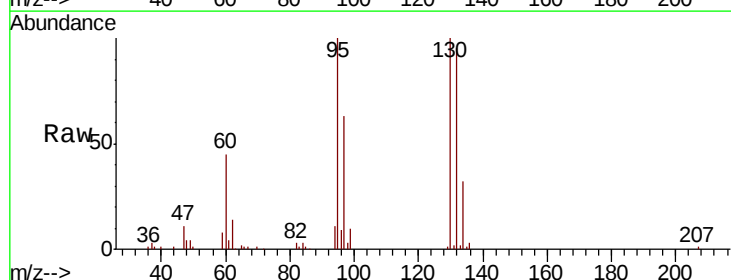
RT: 8.82 min Scan# 2191

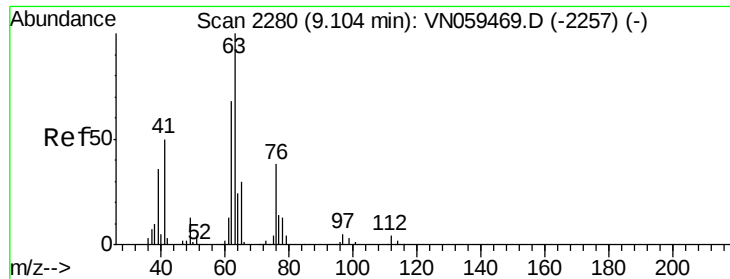
Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Tgt Ion:	130	Resp:	92935
Ion Ratio		Lower	Upper
130	100		
95	100.5	0.0	203.6





#45

1,2-Dichloropropane

Concen: 20.024 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampled :

VN1204MBS01

Tot Ion: 63 Resp: 96769

Ion Ratio Lower Upper

63 100

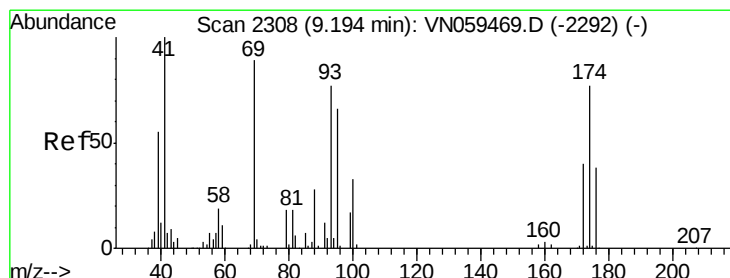
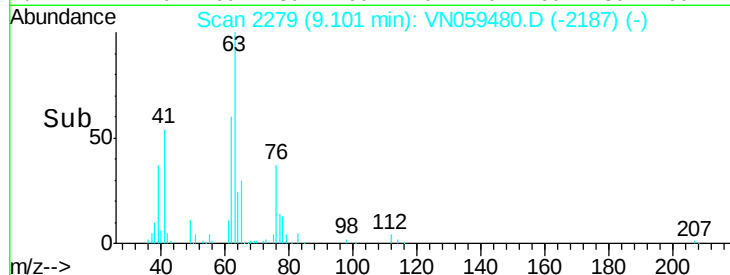
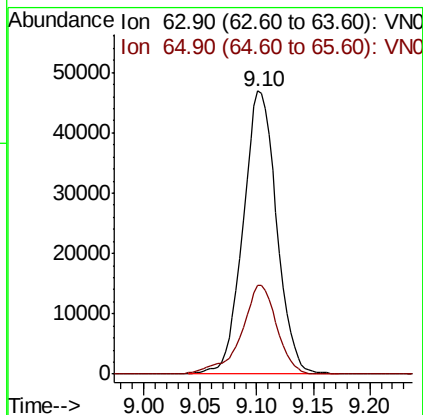
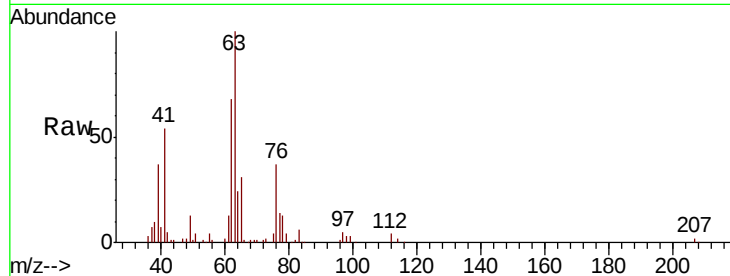
65 31.2 24.4 36.6

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#46

Dibromomethane

Concen: 19.917 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

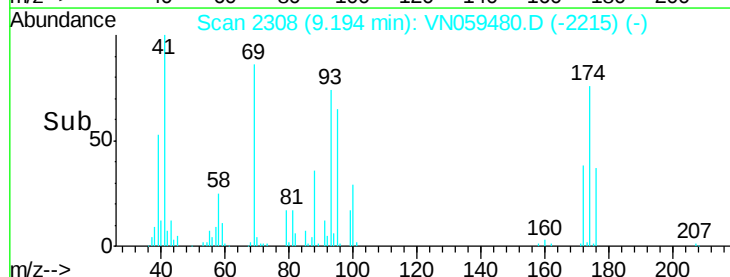
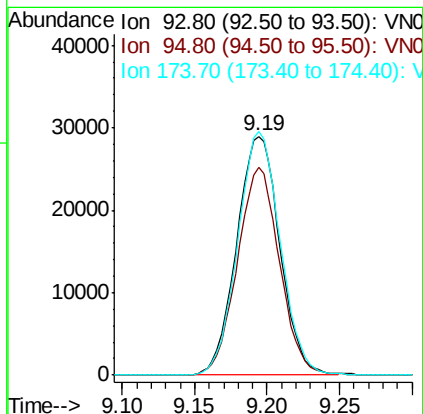
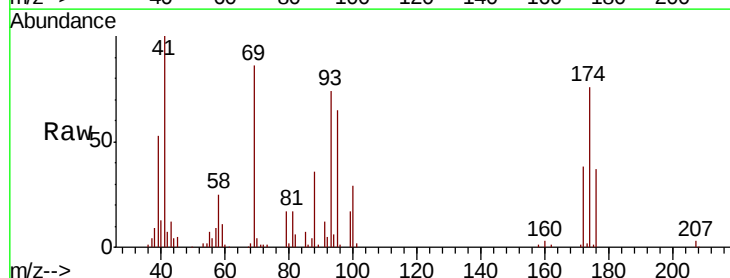
Tgt Ion: 93 Resp: 59924

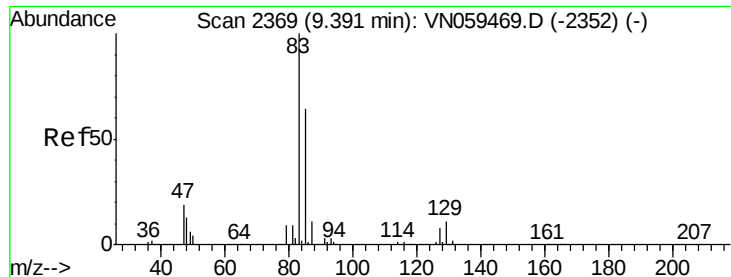
Ion Ratio Lower Upper

93 100

95 85.0 67.0 100.6

174 100.1 79.6 119.4





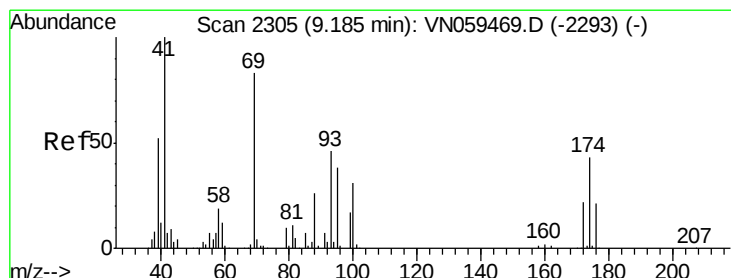
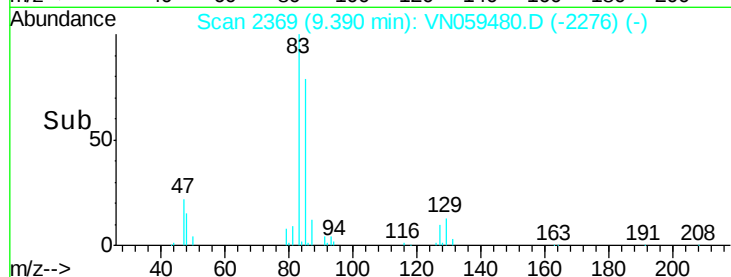
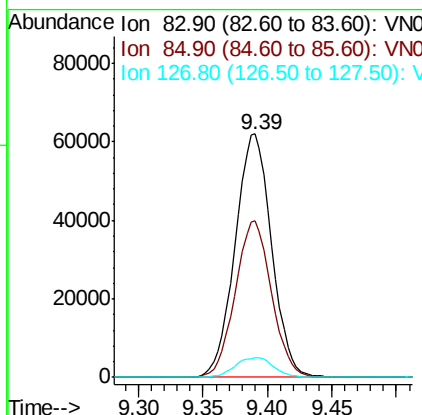
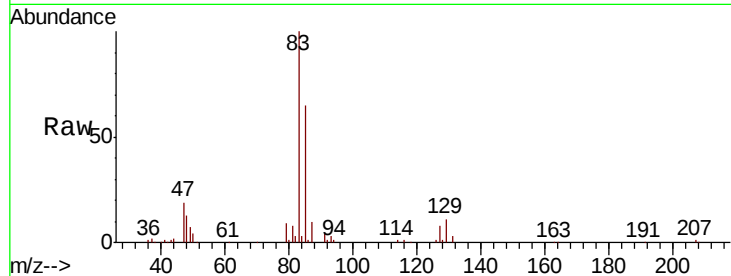
#47
Bromodichloromethane
Concen: 20.179 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.0	76.6
127	8.0	6.6	9.8

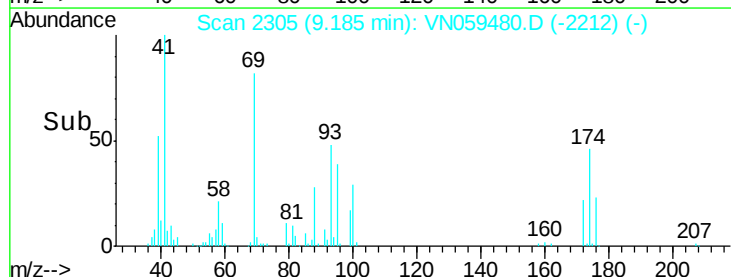
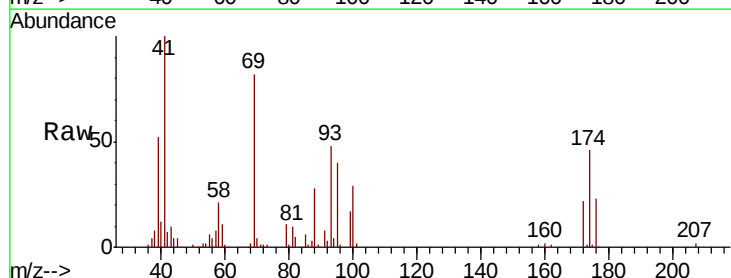
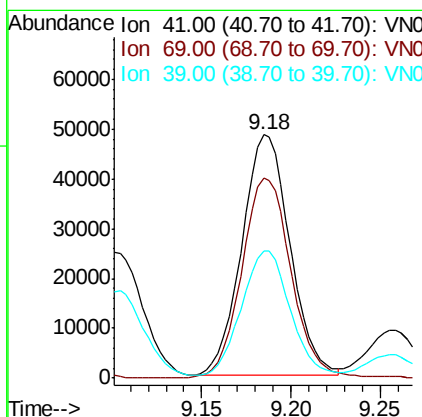
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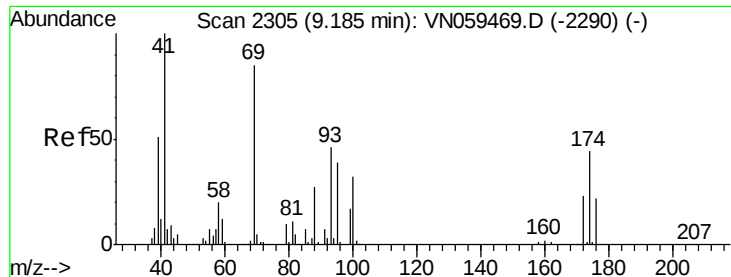
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#48
Methyl methacrylate
Concen: 19.655 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion	Ratio	Lower	Upper
41	100		
69	85.4	68.6	103.0
39	54.2	43.2	64.8





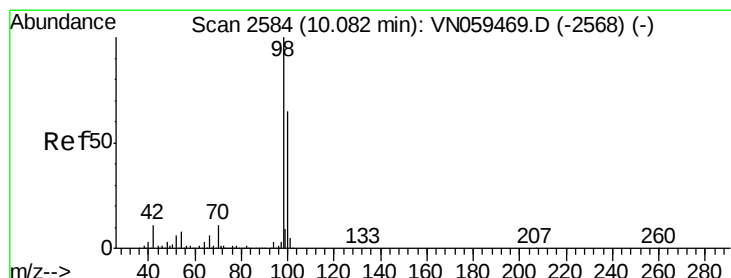
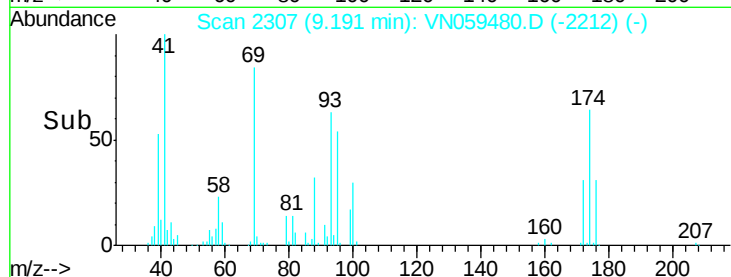
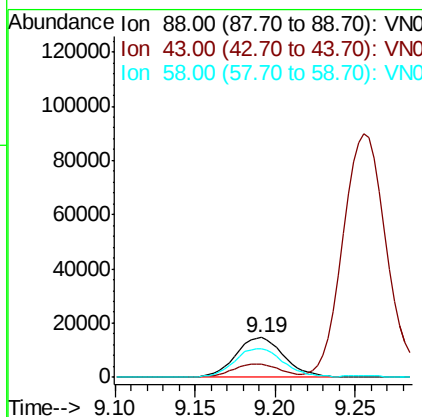
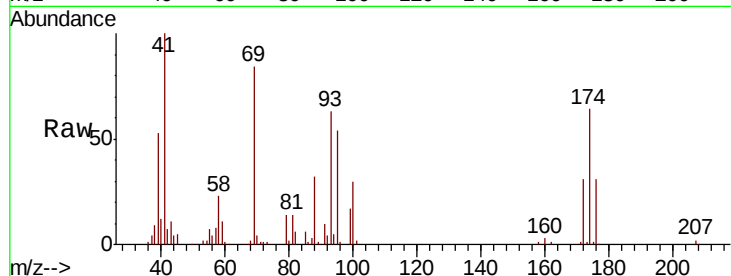
#49
1,4-Dioxane
Concen: 434.987 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.01 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tot Ion	88	Resp	30474
Ion Ratio	Lower	Upper	
88	100		
43	34.2	27.1	40.7
58	73.1	57.8	86.6

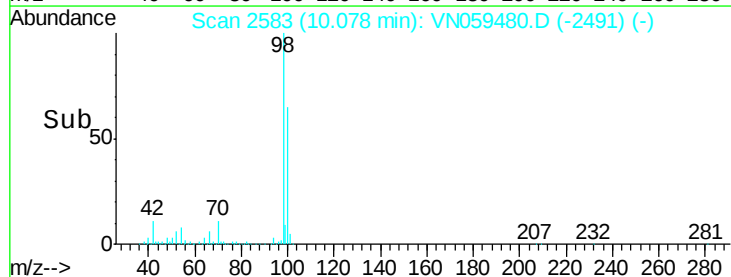
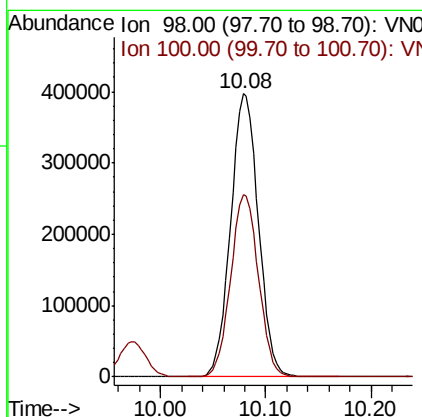
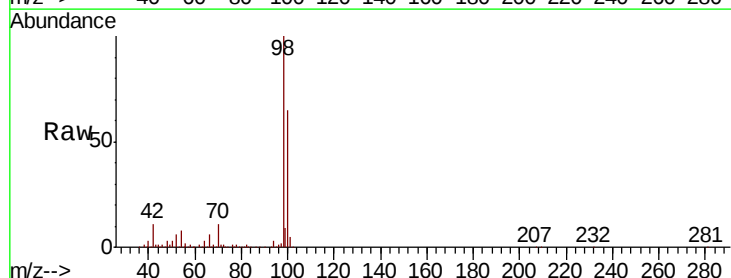
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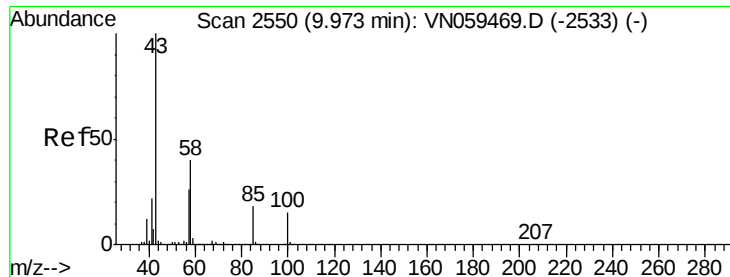
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#50
Toluene-d8
Concen: 49.535 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion	98	Resp	722048
Ion Ratio	Lower	Upper	
98	100		
100	64.6	52.1	78.1





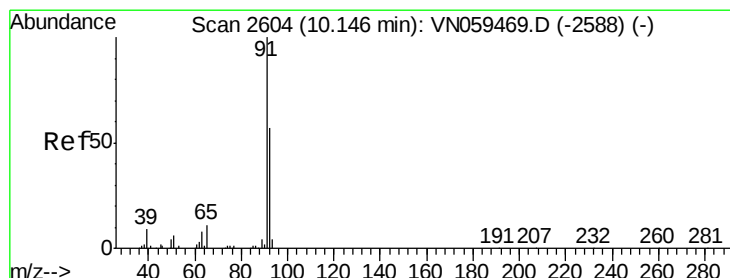
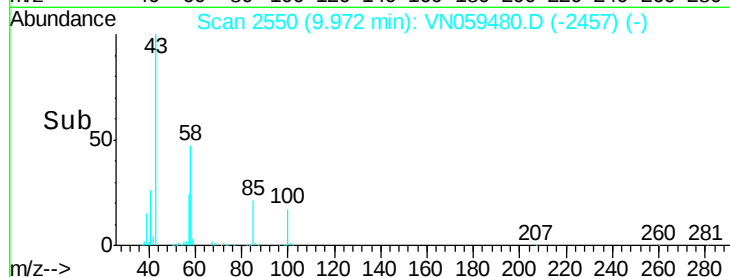
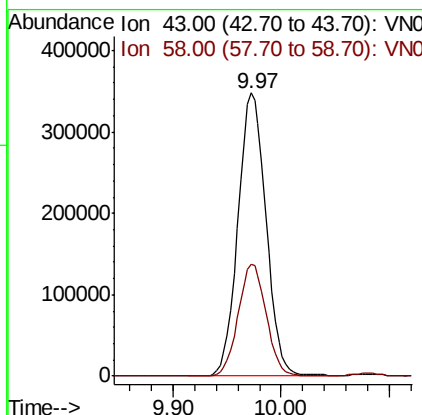
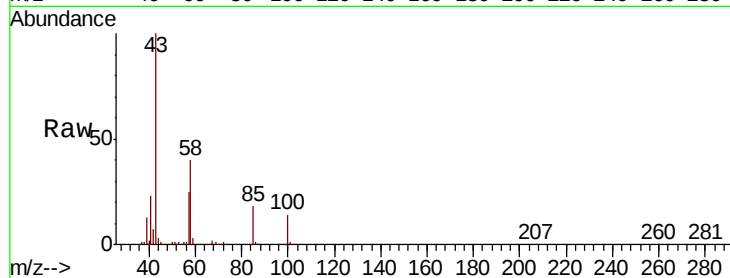
#51
4-Methyl-2-Pentanone
Concen: 103.510 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.3	32.1	48.1

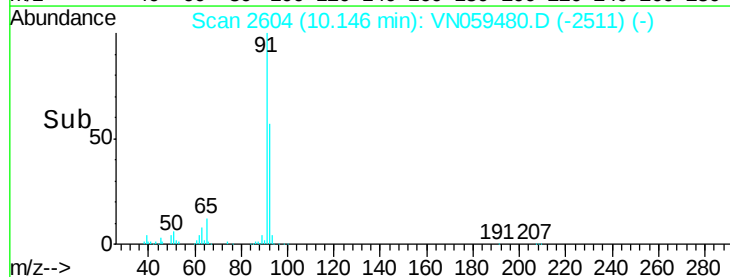
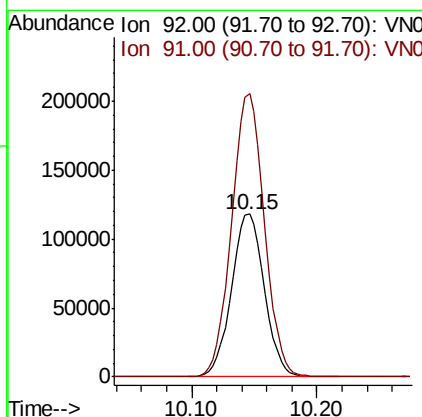
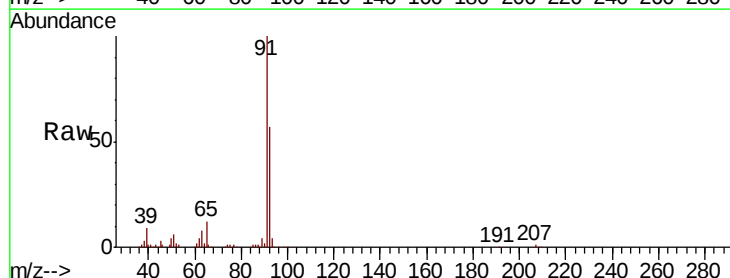
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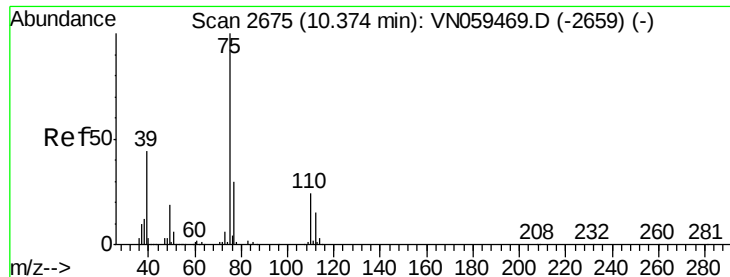
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#52
Toluene
Concen: 19.632 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.6	208.0





#53

t-1,3-Dichloropropene

Concen: 19.769 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tot Ion: 75 Resp: 140336

Ion Ratio Lower Upper

75 100

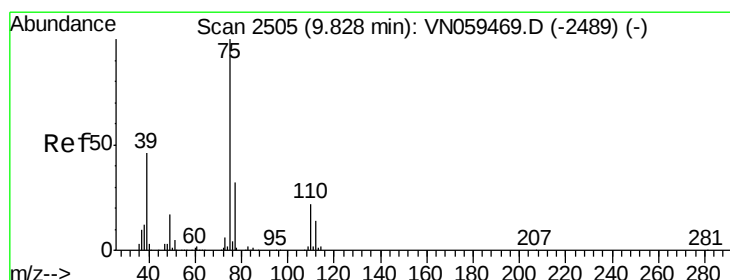
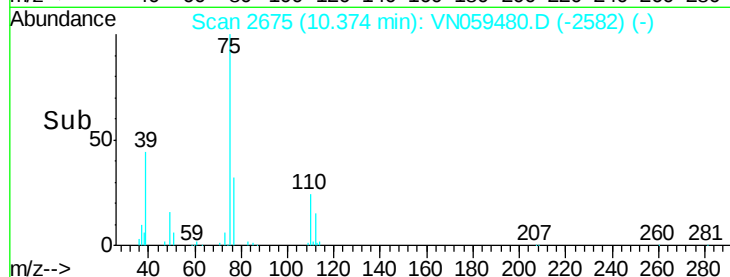
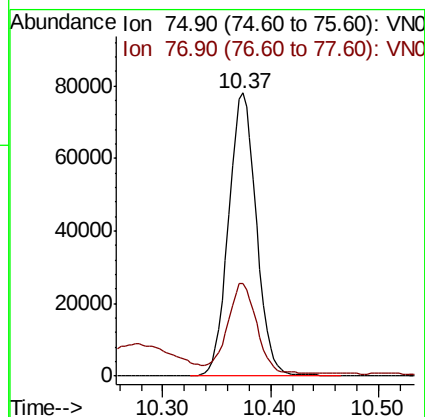
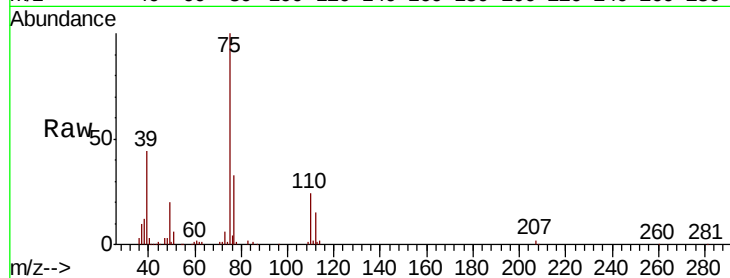
77 31.8 25.0 37.6

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#54

cis-1,3-Dichloropropene

Concen: 20.067 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

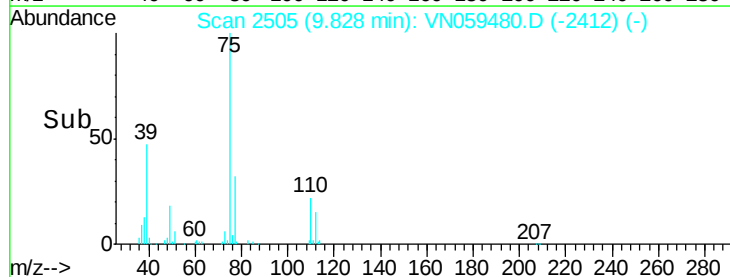
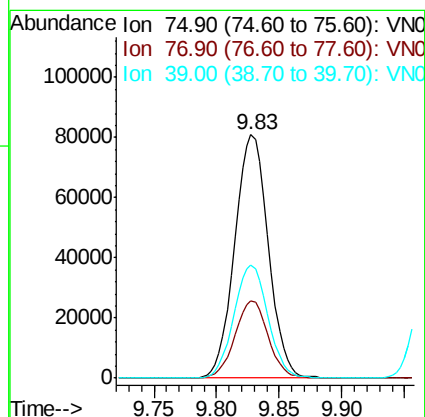
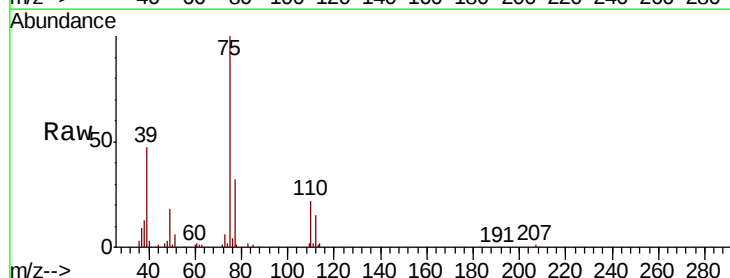
Tgt Ion: 75 Resp: 150989

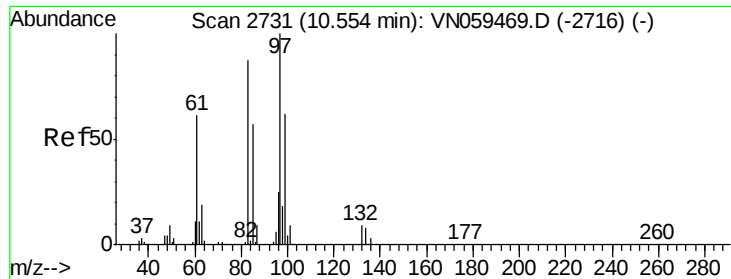
Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5

39 46.5 36.6 54.8





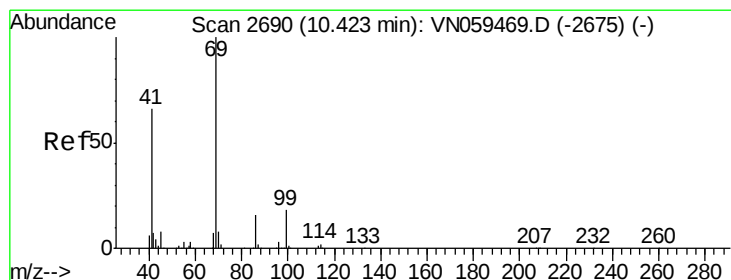
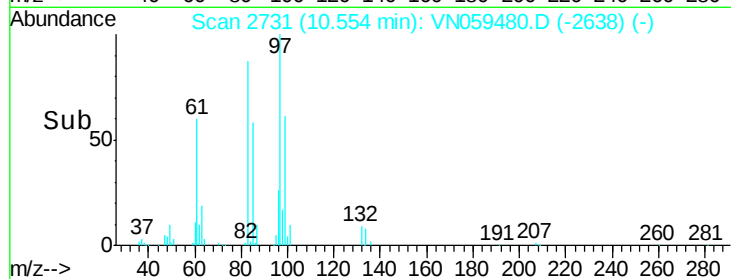
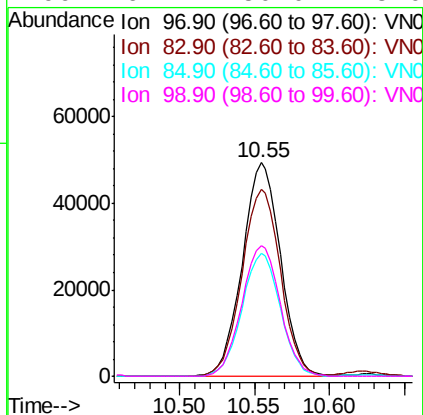
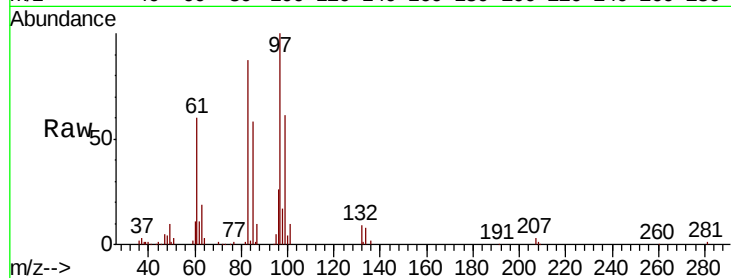
#55
 1,1,2-Trichloroethane
 Concen: 20.376 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204MBS01

Tot Ion:	97	Resp:	87874
Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.8	104.8
85	57.6	45.5	68.3
99	61.4	50.0	75.0

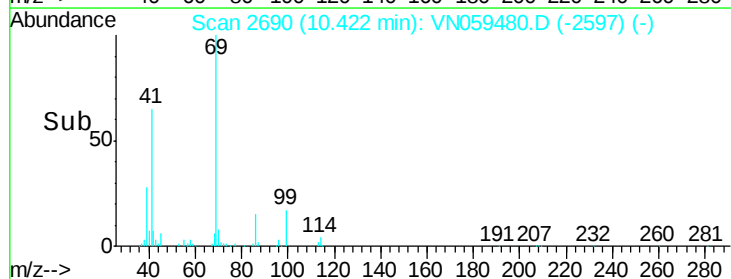
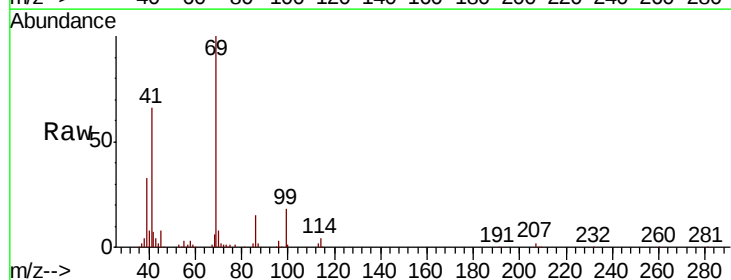
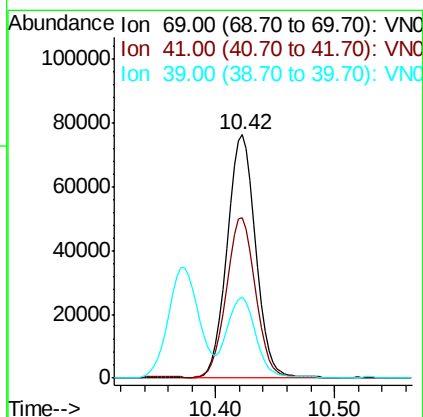
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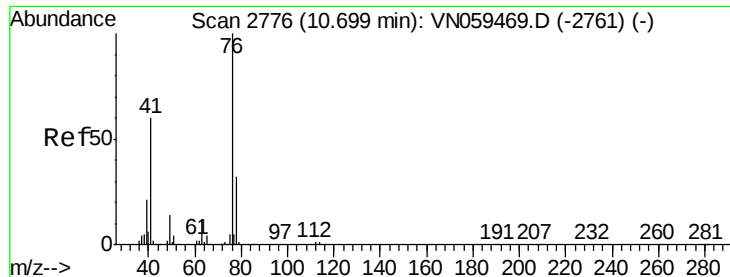
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#56
 Ethyl methacrylate
 Concen: 19.168 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Tgt Ion:	69	Resp:	127391
Ion	Ratio	Lower	Upper
69	100		
41	66.4	52.7	79.1
39	33.2	25.0	37.6





#57

1,3-Dichloropropane

Concen: 20.303 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampled :

VN1204MBS01

Tot Ion: 76 Resp: 151413

Ion Ratio Lower Upper

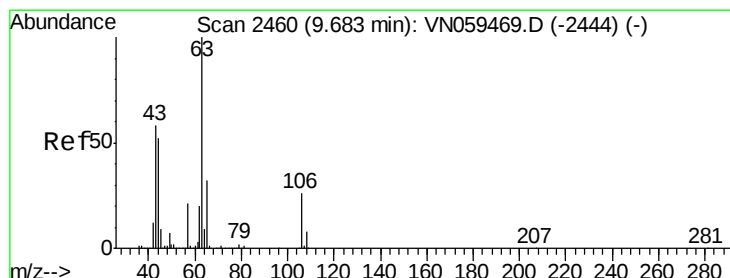
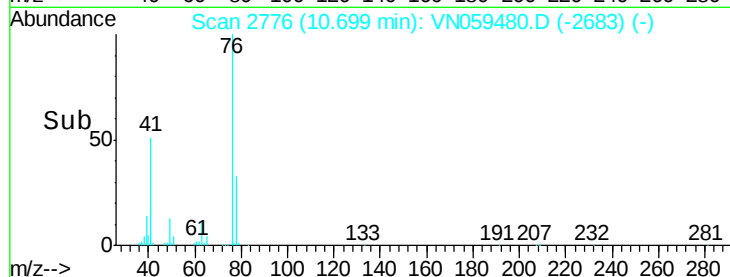
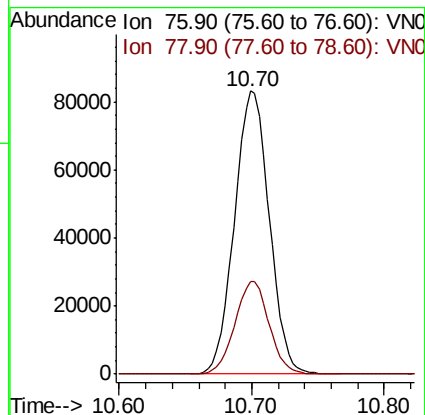
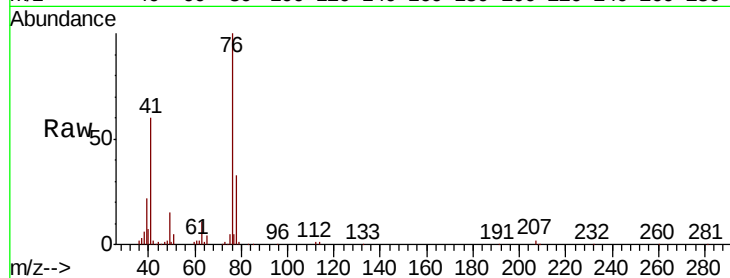
76 100

78 32.2 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 105.217 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059480.D

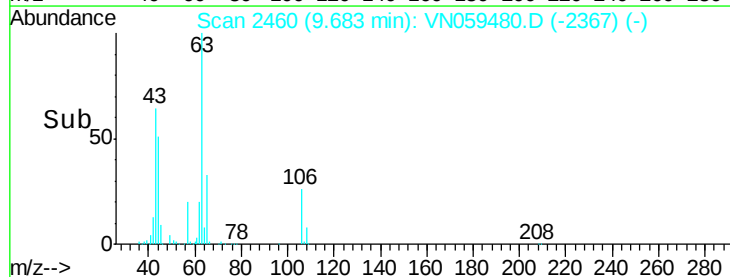
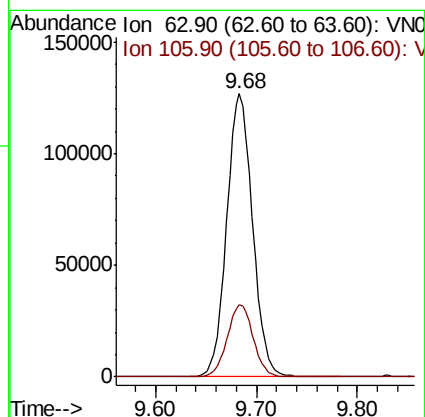
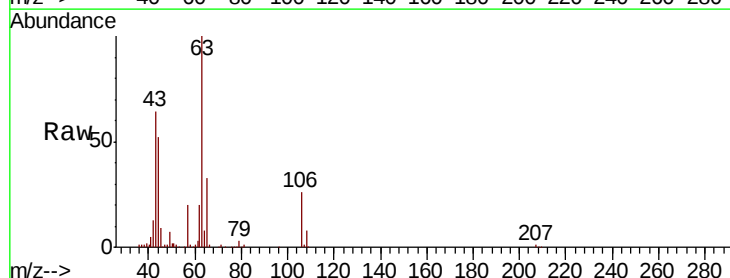
Acq: 4 Dec 2019 12:08

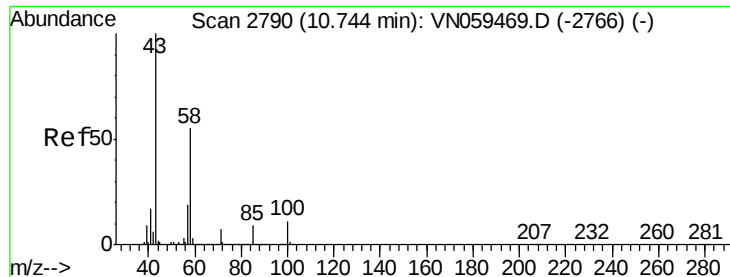
Tgt Ion: 63 Resp: 227276

Ion Ratio Lower Upper

63 100

106 25.6 20.4 30.6





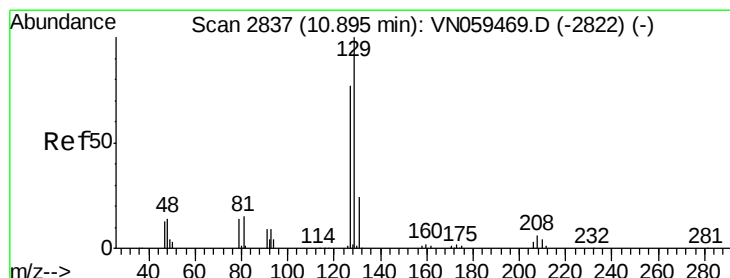
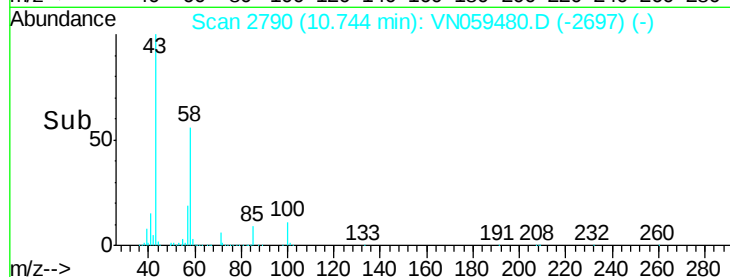
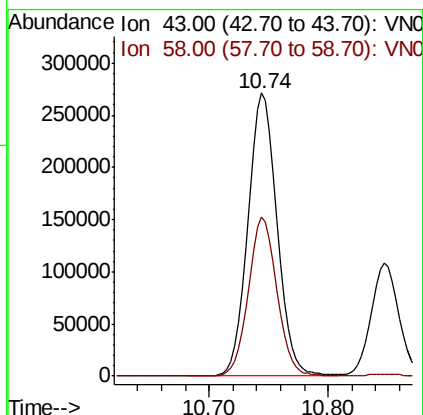
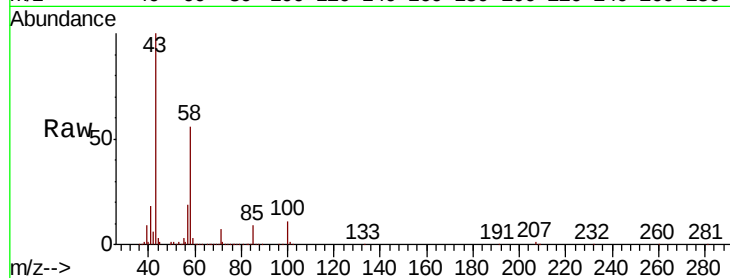
#59
2-Hexanone
Concen: 100.324 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampled :
VN1204MBS01

Tot Ion: 43 Resp: 459917
Ion Ratio Lower Upper
43 100
58 55.1 27.7 83.0

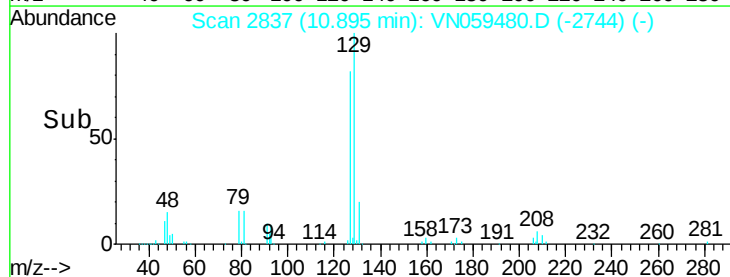
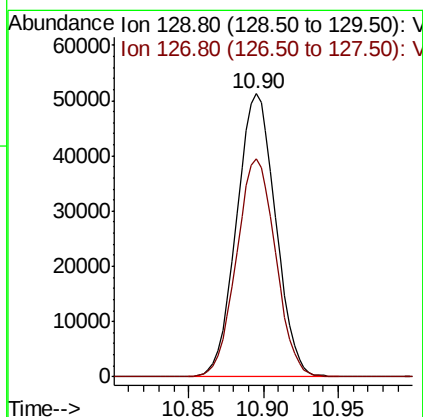
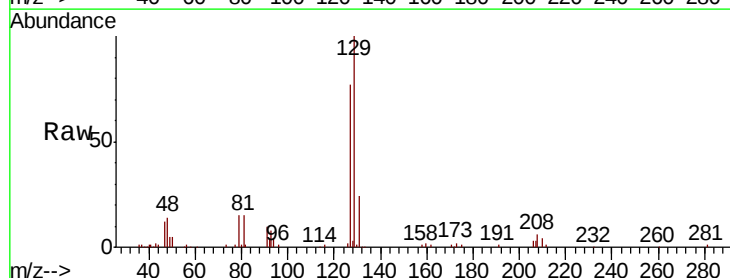
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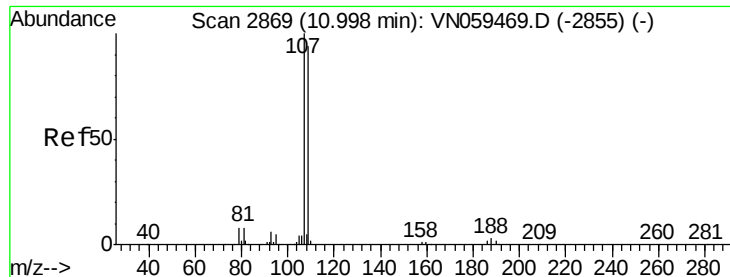
apatel
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#60
Dibromochloromethane
Concen: 20.221 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion: 129 Resp: 93111
Ion Ratio Lower Upper
129 100
127 77.2 39.0 116.9





#61

1,2-Dibromoethane

Concen: 19.584 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tot Ion: 107 Resp: 87272

Ion Ratio Lower Upper

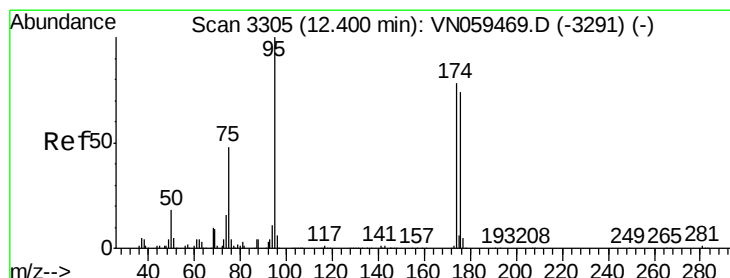
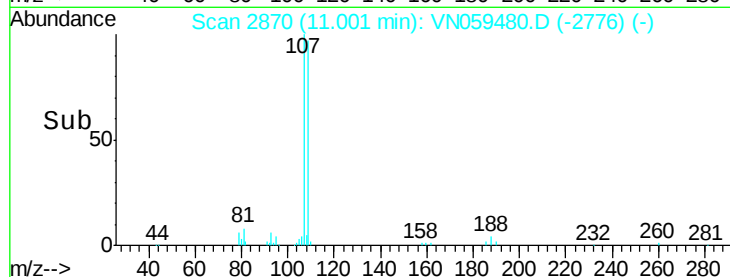
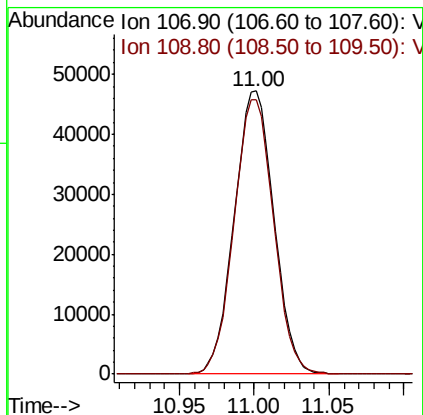
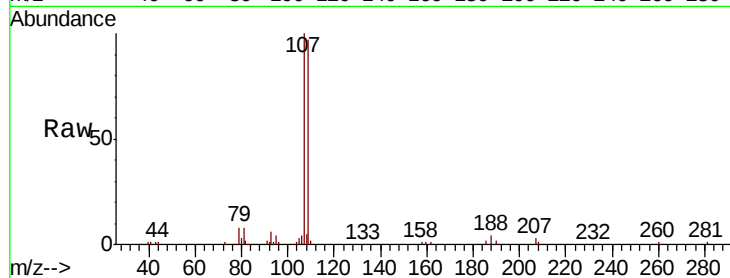
107 100

109 96.8 75.4 113.0

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#62

4-Bromofluorobenzene

Concen: 49.655 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

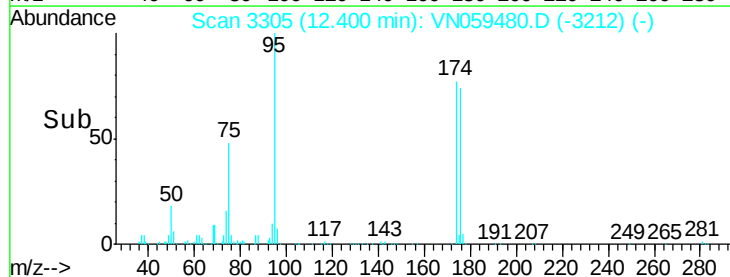
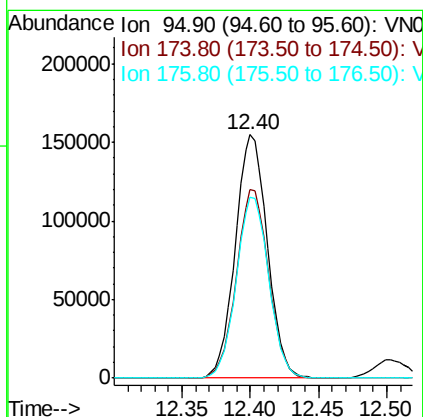
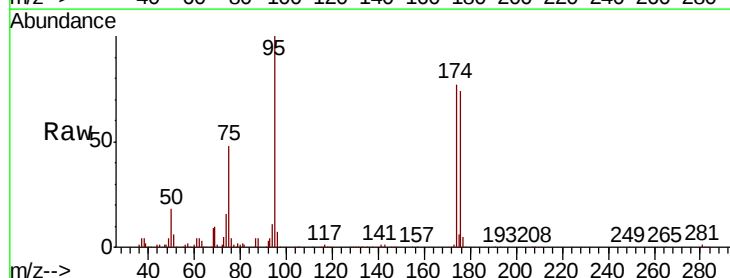
Tgt Ion: 95 Resp: 252773

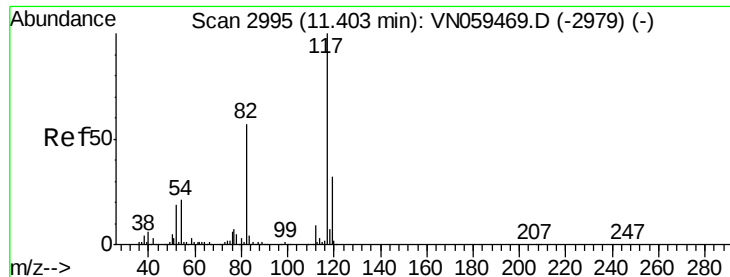
Ion Ratio Lower Upper

95 100

174 77.8 0.0 157.0

176 75.3 0.0 152.4





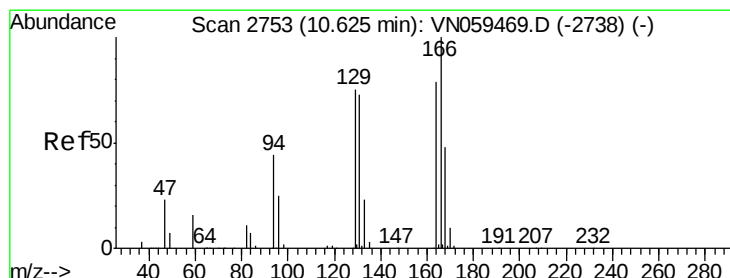
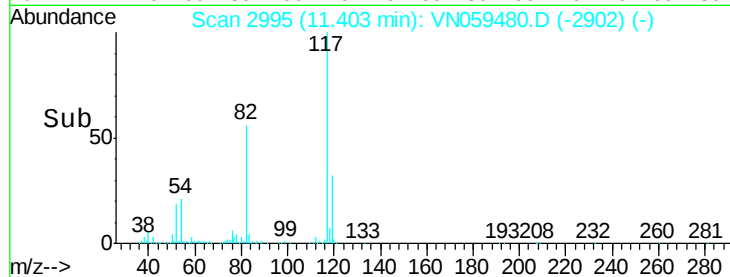
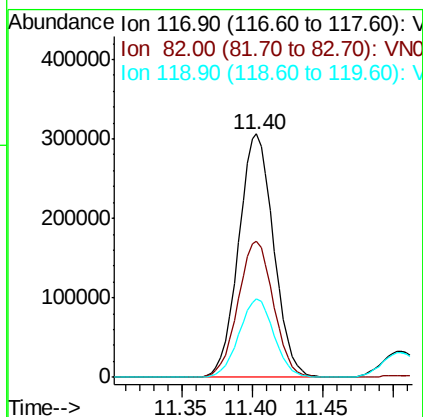
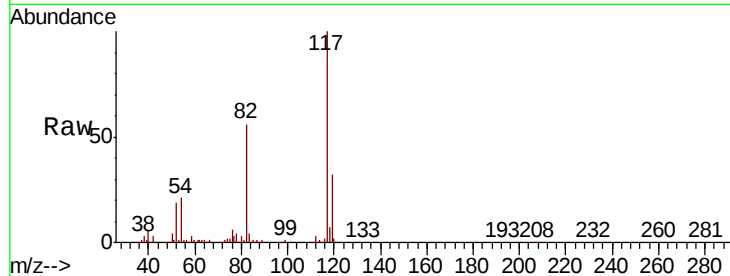
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.8	68.8
119	32.1	25.4	38.0

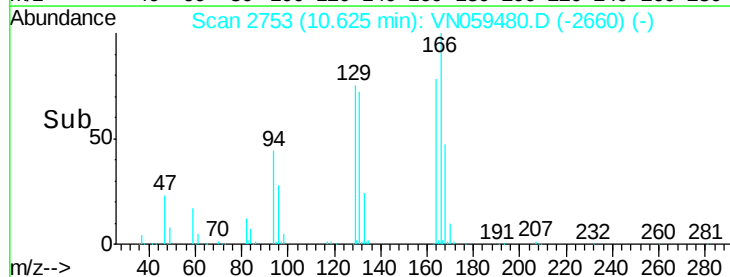
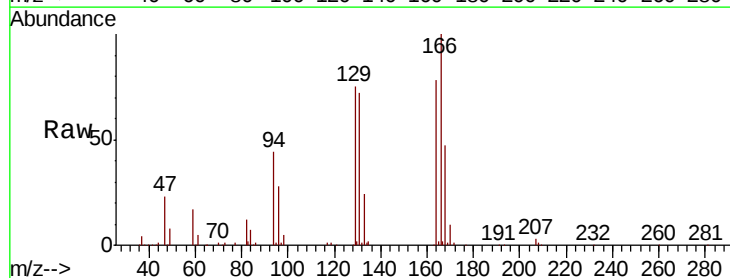
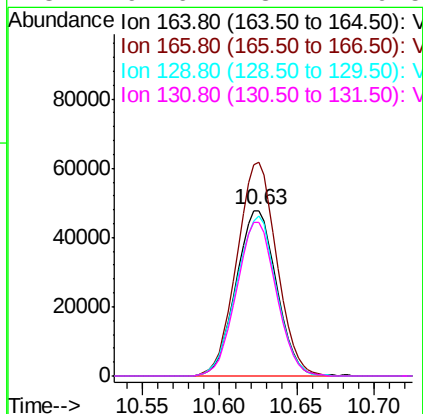
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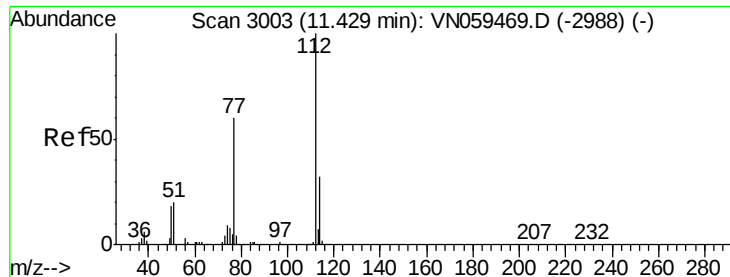
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#64
Tetrachloroethene
Concen: 19.157 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	101.2	151.8
129	96.4	76.1	114.1
131	92.6	73.7	110.5





#65

Chlorobenzene

Concen: 19.315 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampled :

VN1204MBS01

Tot Ion:112 Resp: 224893

Ion Ratio Lower Upper

112 100

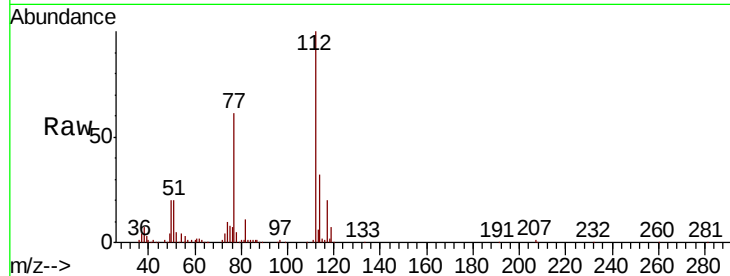
114 32.0 25.7 38.5

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

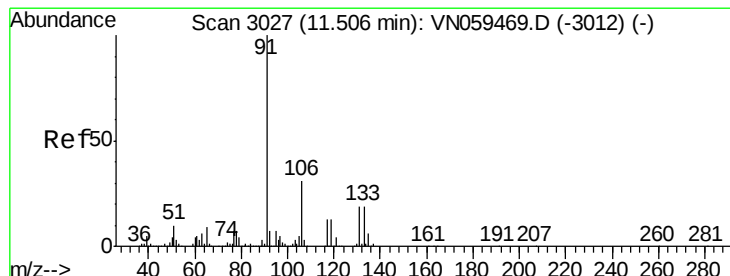
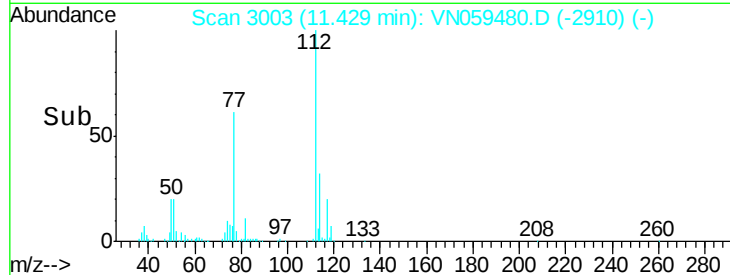
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.188 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

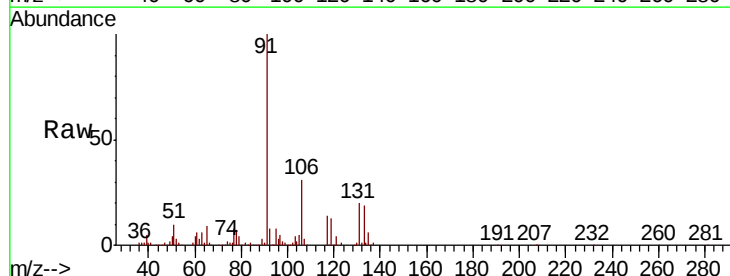
Tgt Ion:131 Resp: 84462

Ion Ratio Lower Upper

131 100

133 96.6 48.0 144.0

119 65.7 33.9 101.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

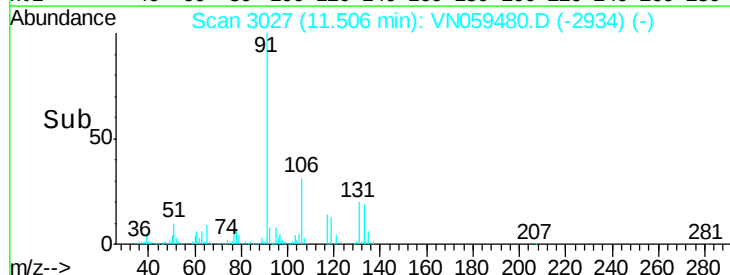
60000

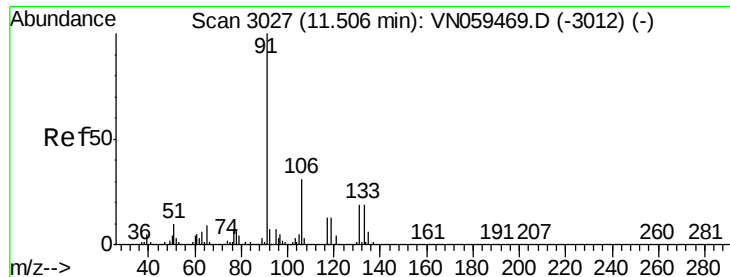
40000

20000

0

Time-->





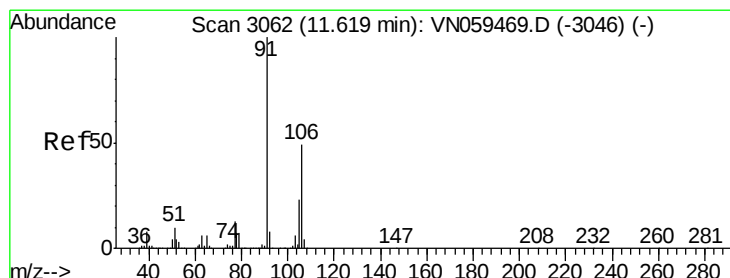
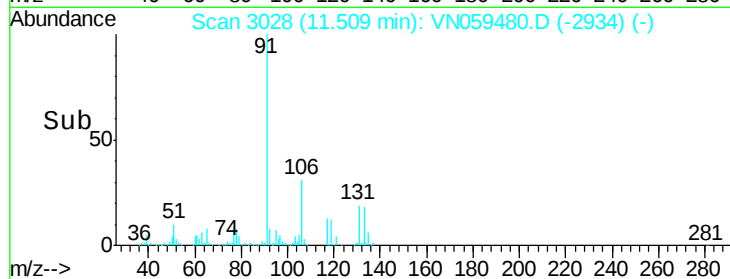
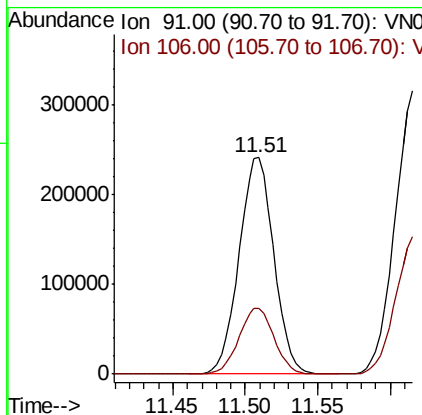
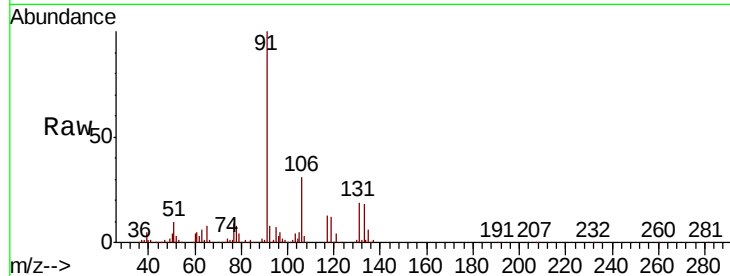
#67
Ethyl Benzene
Concen: 19.739 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampled :
VN1204MBS01

Tot Ion: 91 Resp: 402668
Ion Ratio Lower Upper
91 100
106 30.6 24.7 37.1

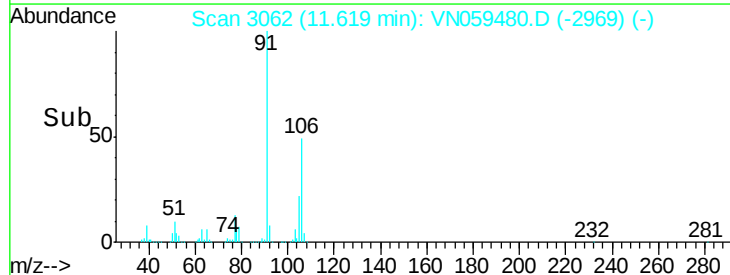
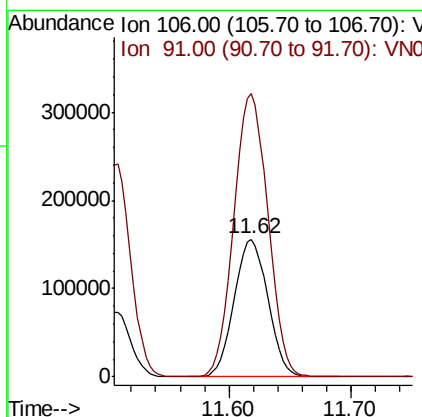
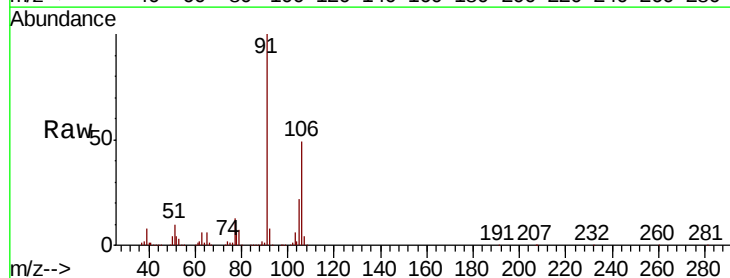
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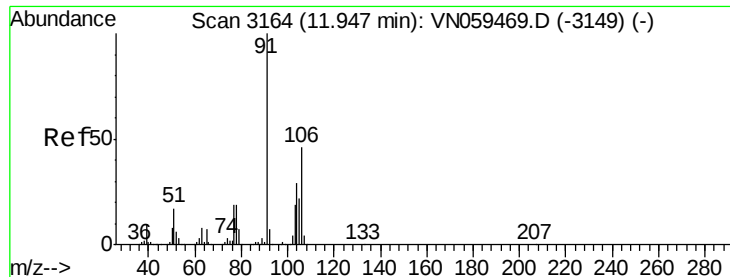
apatel
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#68
m/p-Xylenes
Concen: 39.316 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion: 106 Resp: 298648
Ion Ratio Lower Upper
106 100
91 208.2 162.2 243.4





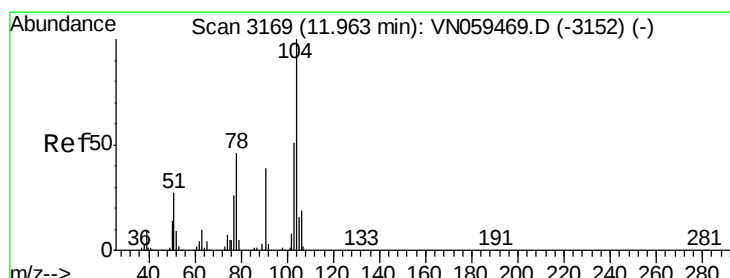
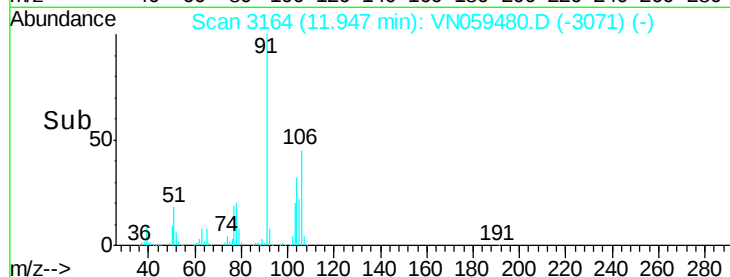
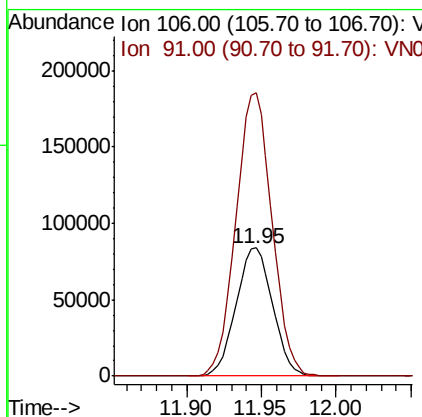
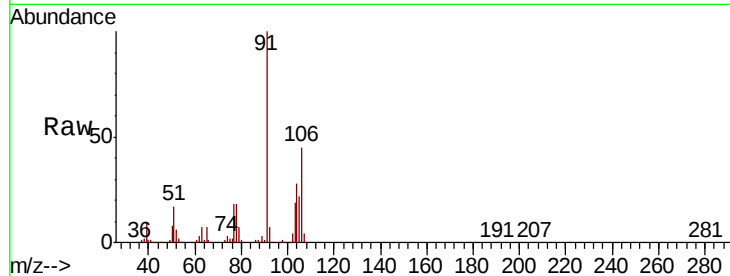
#69
o-Xylene
Concen: 19.704 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampled :
VN1204MBS01

Tot Ion:106 Resp: 142494
Ion Ratio Lower Upper
106 100
91 219.0 108.5 325.3

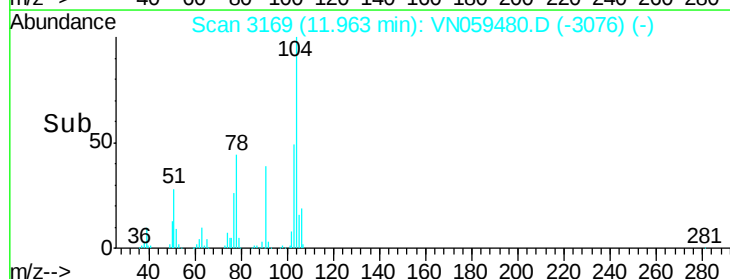
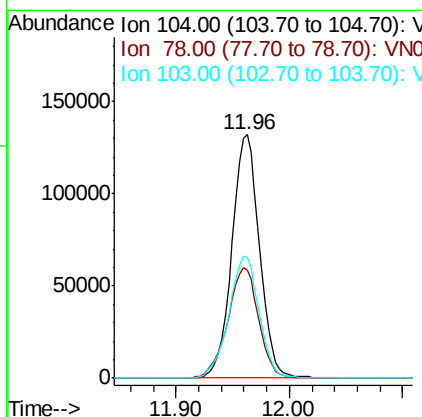
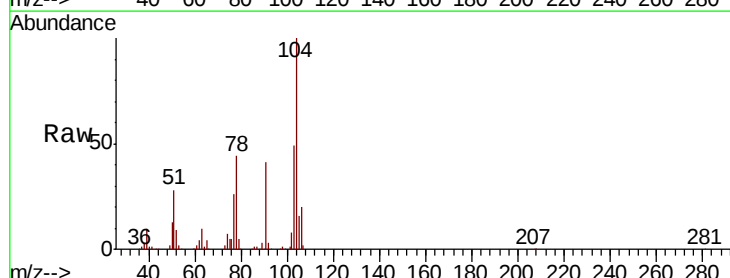
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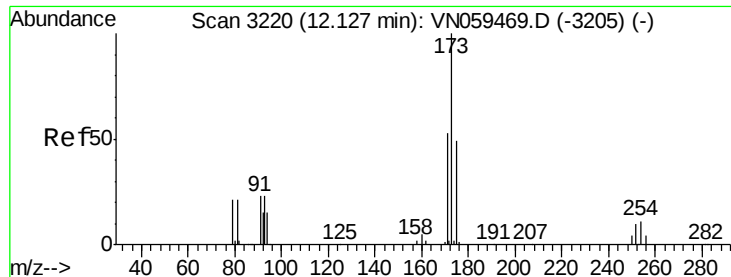
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#70
Styrene
Concen: 19.409 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion:104 Resp: 224063
Ion Ratio Lower Upper
104 100
78 50.7 41.0 61.4
103 54.9 44.7 67.1





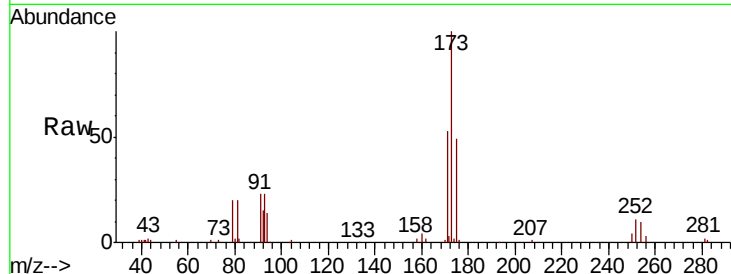
#71
Bromoform
Concen: 19.932 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	73.0
254	0.0	0.0	0.0

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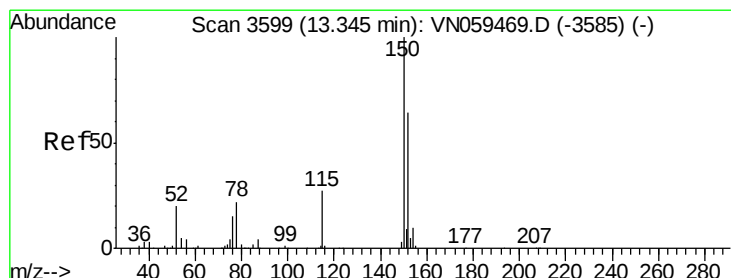
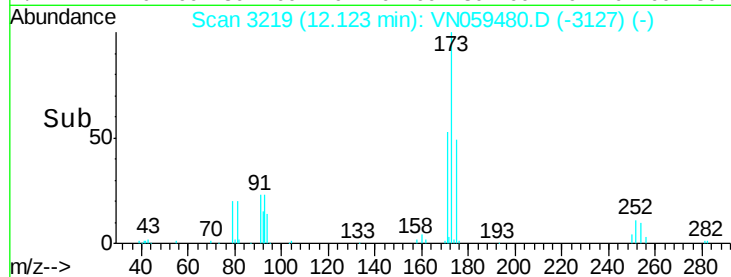
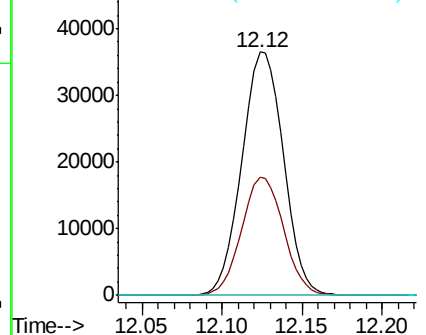


Abundance

Ion 172.70 (172.40 to 173.40): V

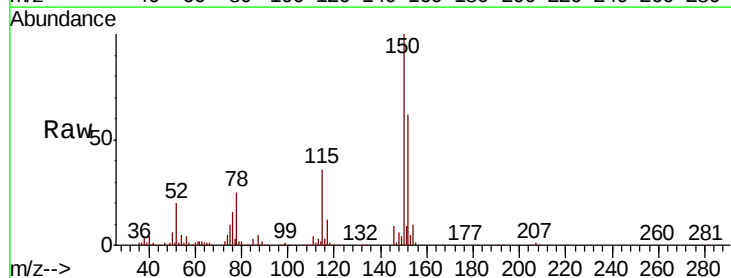
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.2	87.6
150	165.6	0.0	352.8

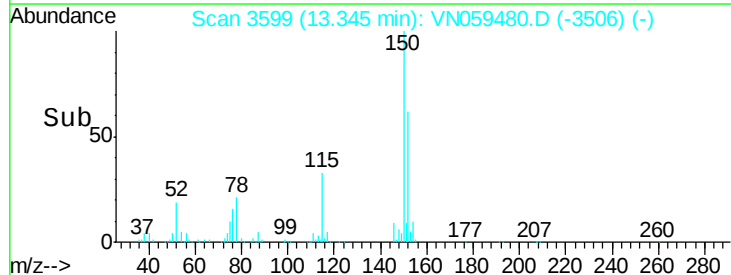
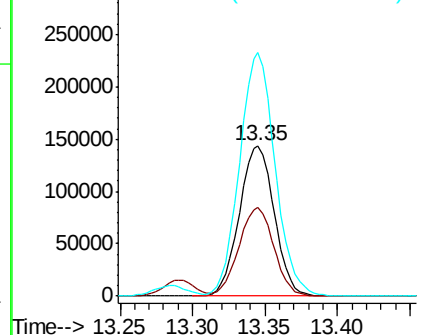


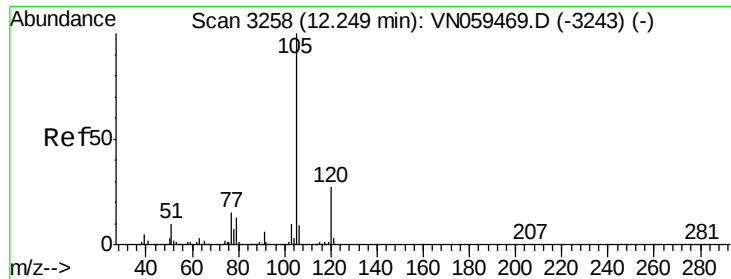
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.598 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tot Ion: 105 Resp: 376459

Ion Ratio Lower Upper

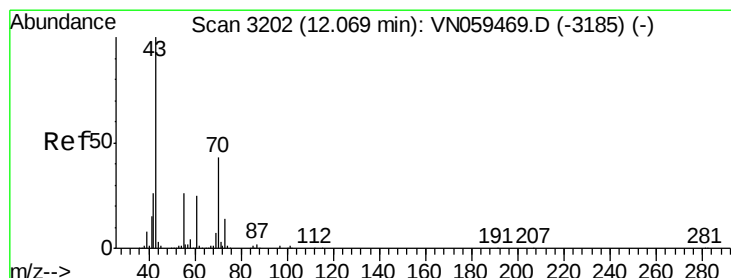
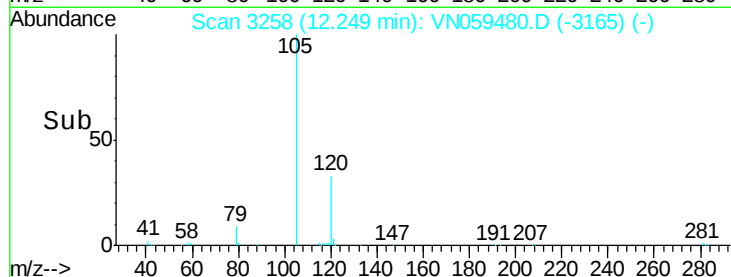
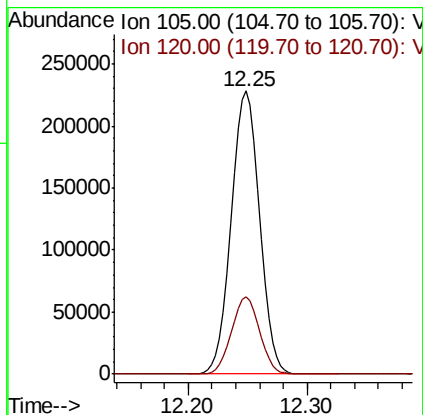
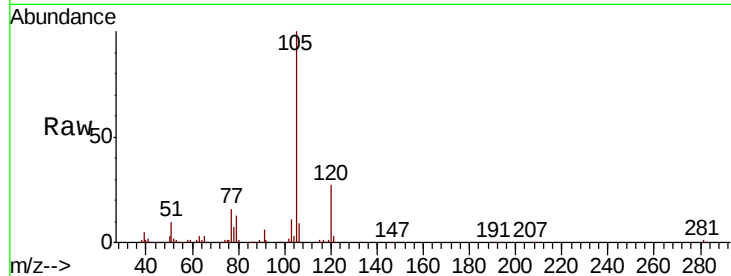
105 100

120 27.0 13.2 39.6

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#74

N-ethyl acetate

Concen: 19.452 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Tgt Ion: 43 Resp: 150508

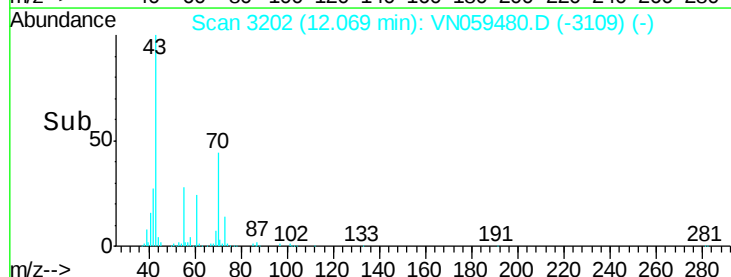
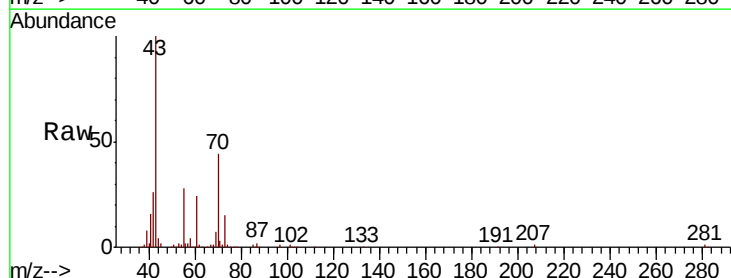
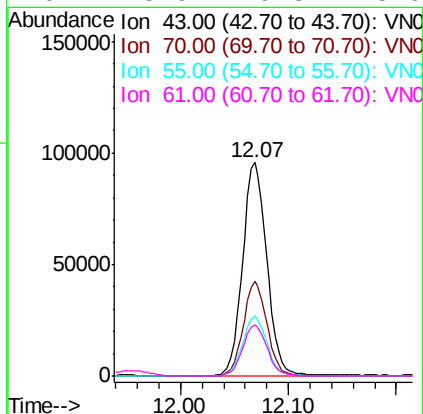
Ion Ratio Lower Upper

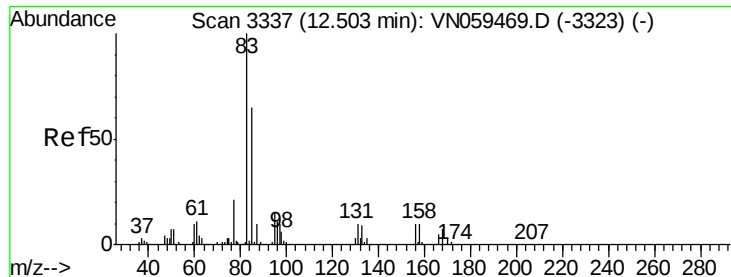
43 100

70 43.3 34.2 51.2

55 28.0 20.6 31.0

61 23.9 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.217 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

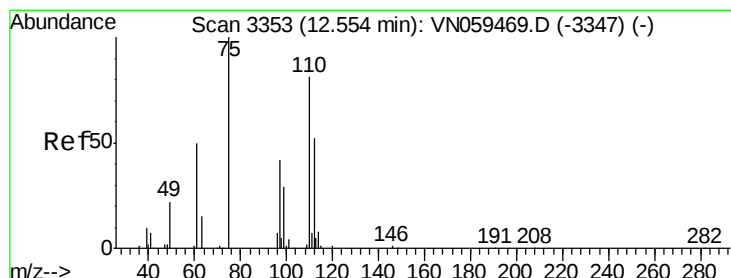
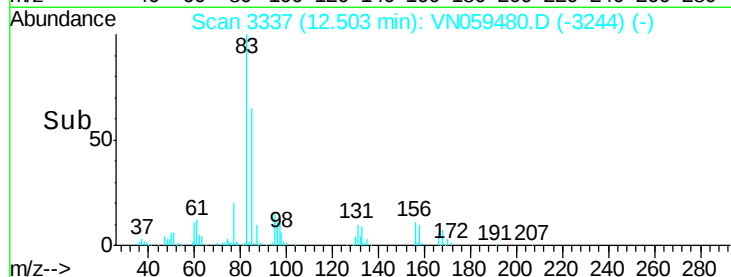
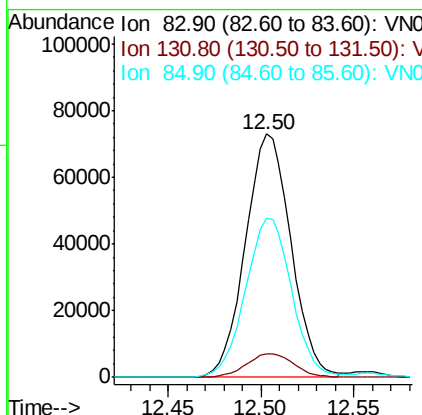
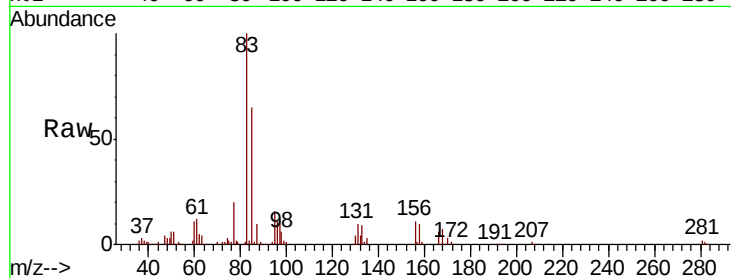
ClientSampleId :

VN1204MBS01

Tot Ion:	83	Resp:	124572
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.9	14.7
85	66.1	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.142 ug/l m

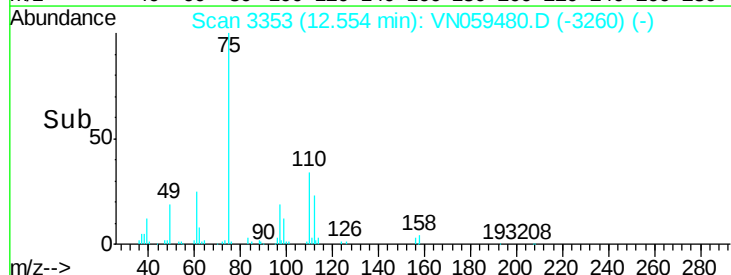
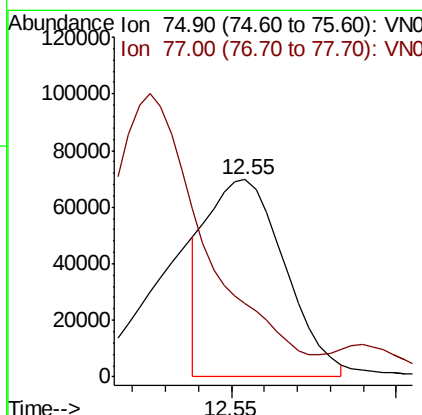
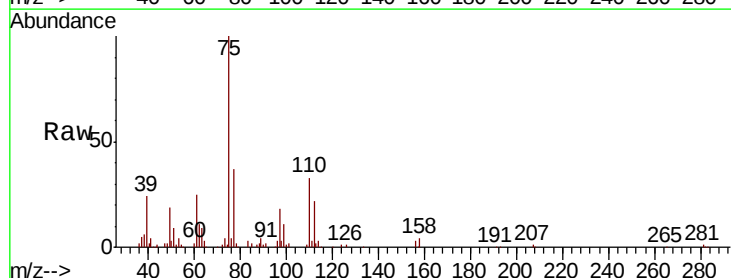
RT: 12.55 min Scan# 3353

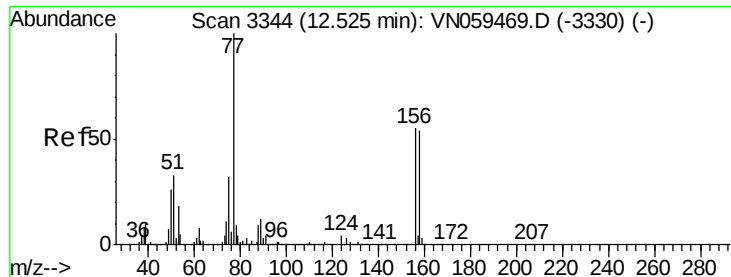
Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Tgt Ion:	75	Resp:	114003
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.531 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

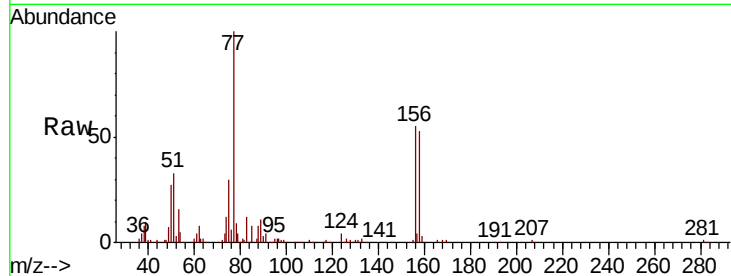
ClientSampled :

VN1204MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	222.8	110.3	331.0
158	96.0	48.5	145.5

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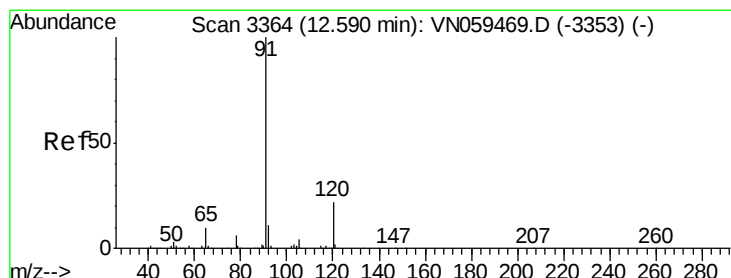
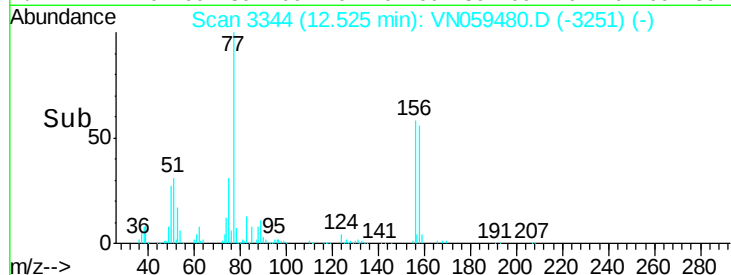
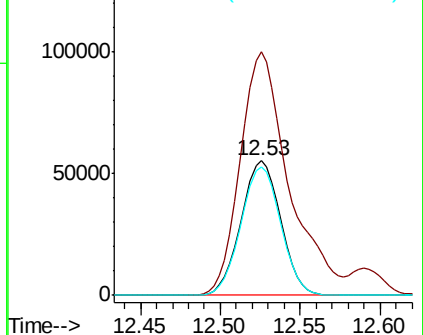
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.779 ug/l

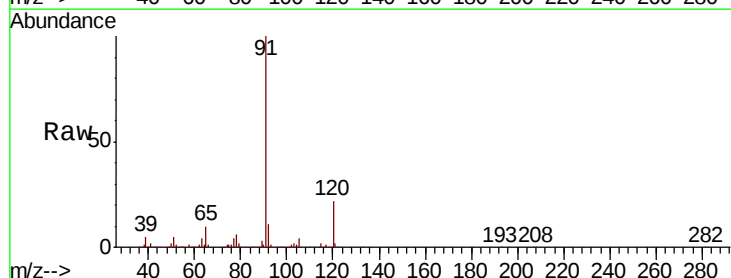
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059480.D

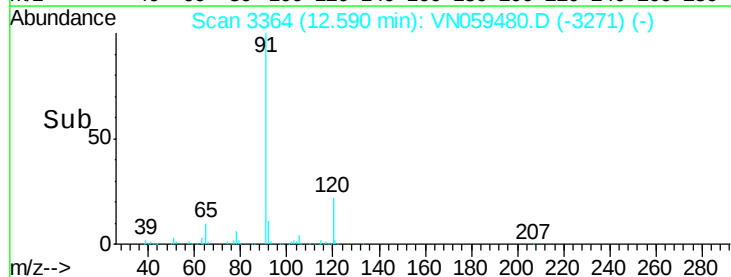
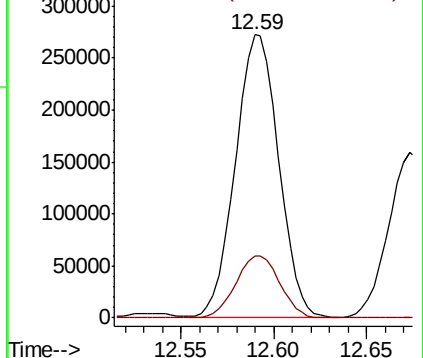
Acq: 4 Dec 2019 12:08

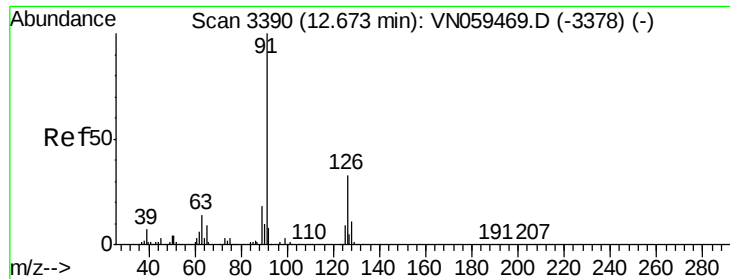
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.3	33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





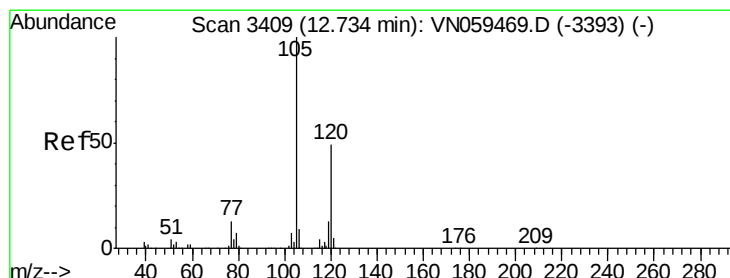
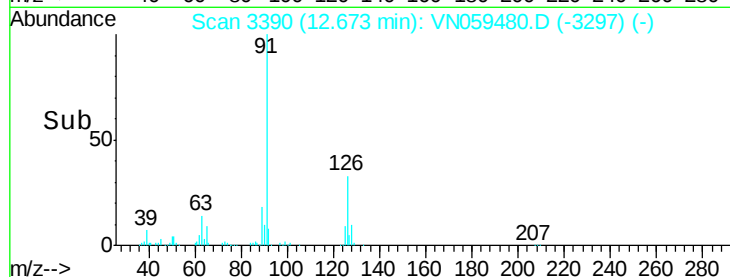
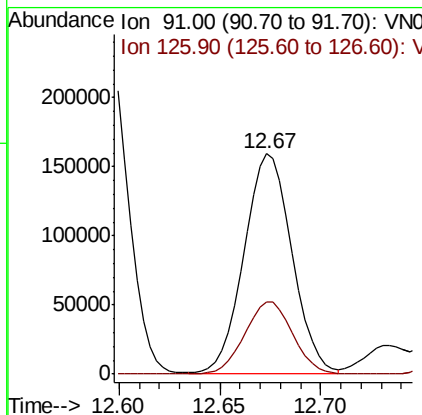
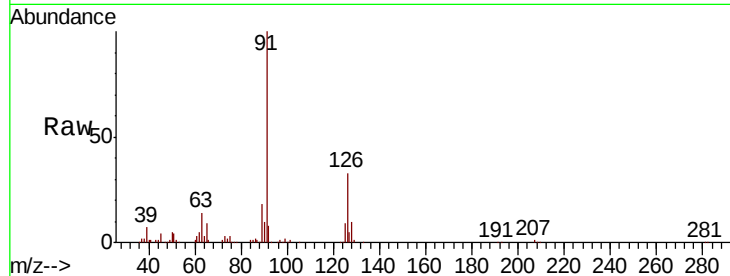
#79
 2-Chlorotoluene
 Concen: 19.693 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204MBS01

Tot Ion: 91 Resp: 265379
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.6 49.8

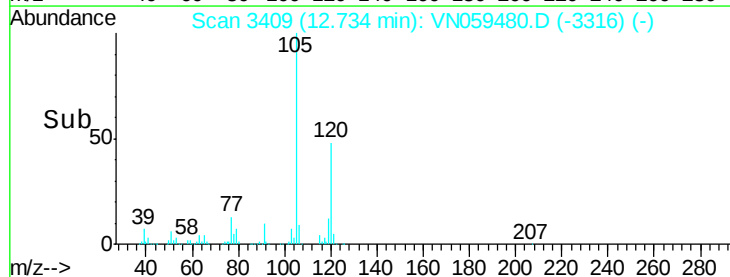
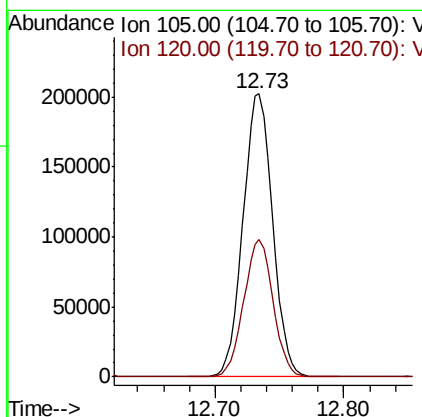
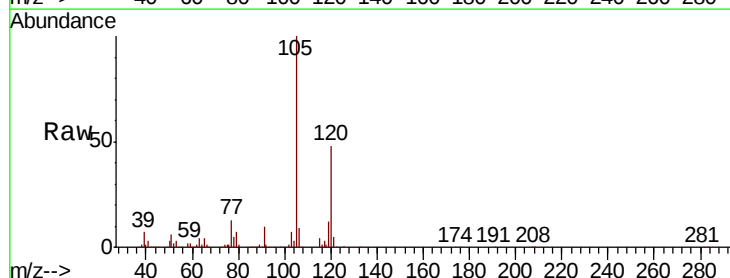
Manual Integrations
 APPROVED

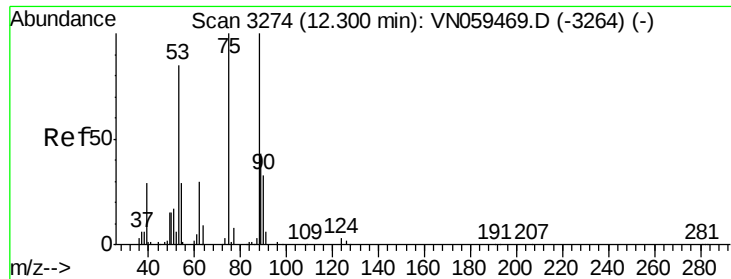
apatel
 12/5/2019 11:19:41 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.150 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Tgt Ion: 105 Resp: 323477
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.475 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

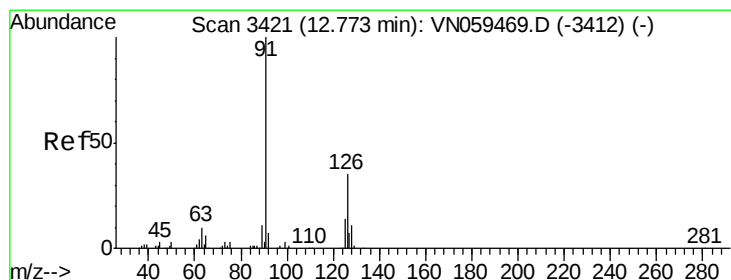
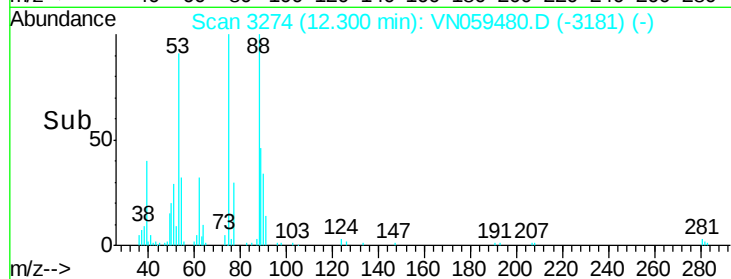
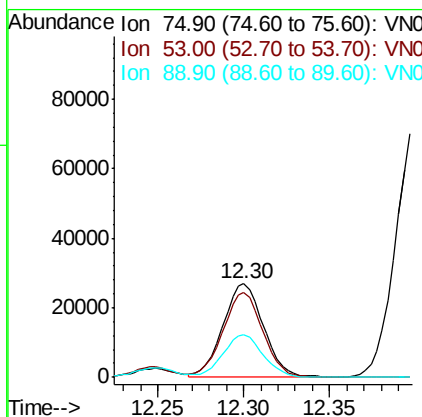
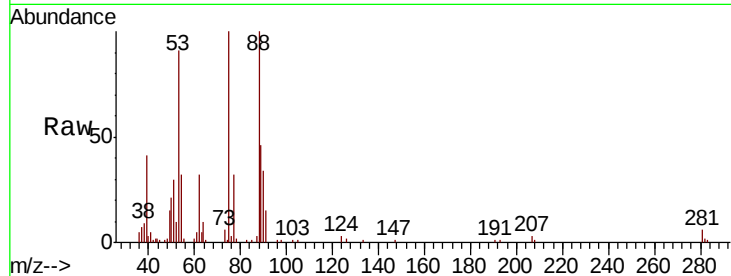
ClientSampleId :

VN1204MBS01

Tot Ion:	75	Resp:	44197
Ion	Ratio	Lower	Upper
75	100		
53	89.9	69.8	104.6
89	45.4	35.2	52.8

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#82

4-Chlorotoluene

Concen: 19.508 ug/l

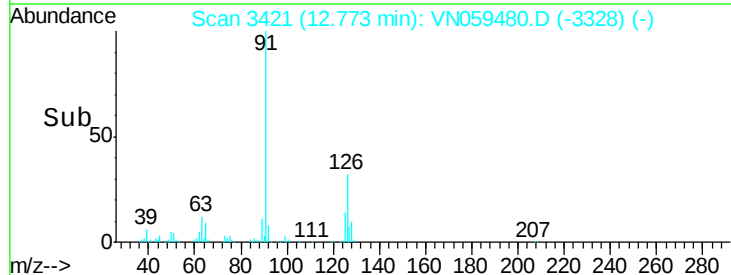
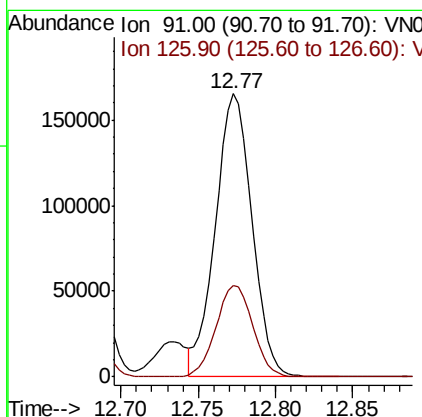
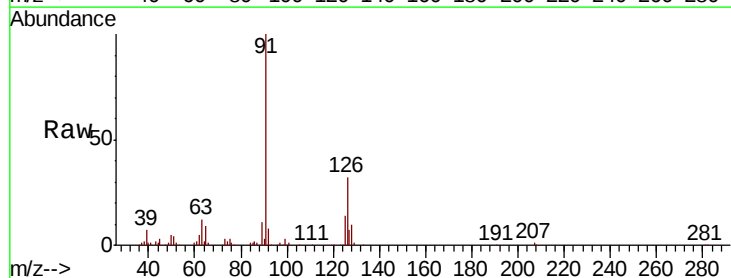
RT: 12.77 min Scan# 3421

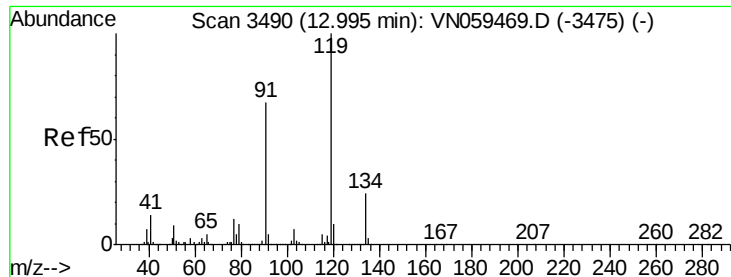
Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Tgt Ion:	91	Resp:	271228
Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.2





#83

tert-Butylbenzene

Concen: 19.488 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

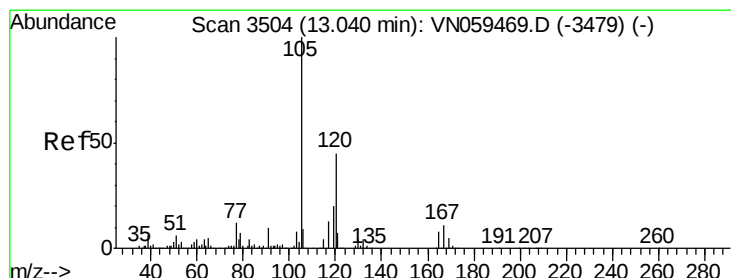
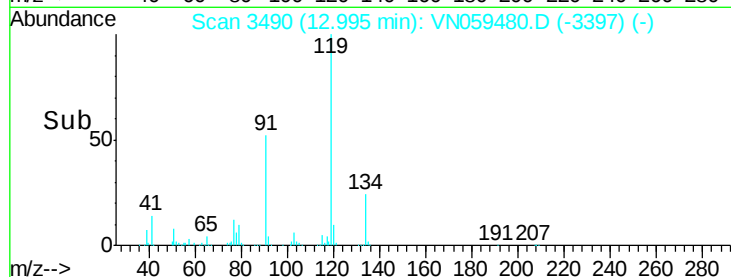
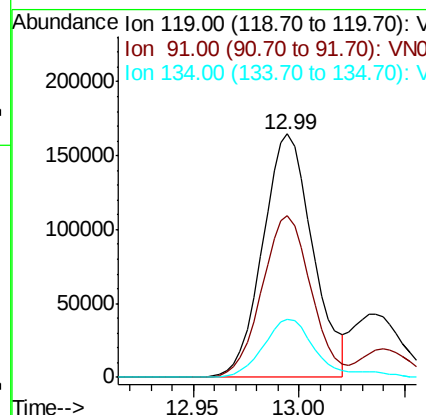
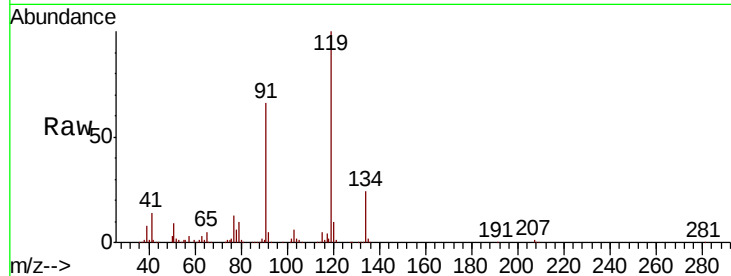
ClientSampleId :

VN1204MBS01

Tot Ion:	119	Resp:	271605
Ion Ratio	Lower	Upper	
119	100		
91	65.5	32.6	97.7
134	25.5	12.6	37.6

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#84

1,2,4-Trimethylbenzene

Concen: 19.740 ug/l

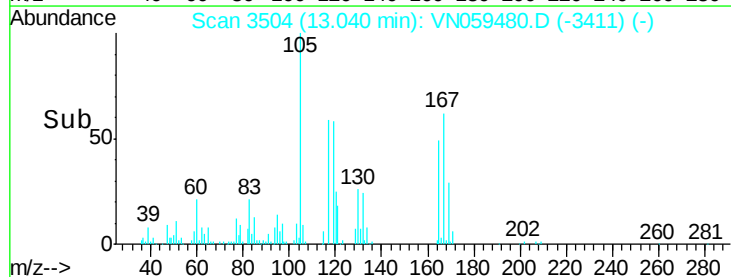
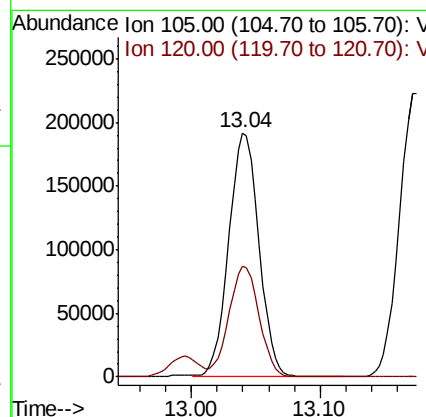
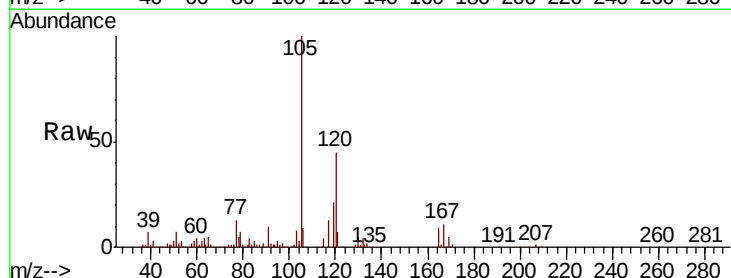
RT: 13.04 min Scan# 3504

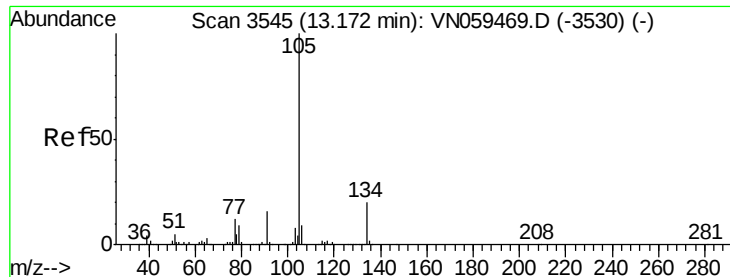
Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Tgt Ion:	105	Resp:	309694
Ion Ratio	Lower	Upper	
105	100		
120	45.5	22.6	67.8





#85

sec-Butylbenzene

Concen: 19.453 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tot Ion:105 Resp: 359333

Ion Ratio Lower Upper

105 100

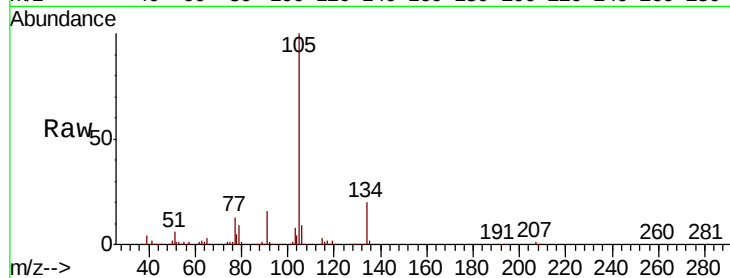
134 19.7 9.8 29.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

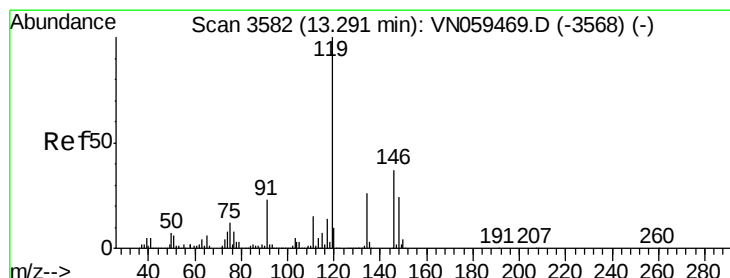
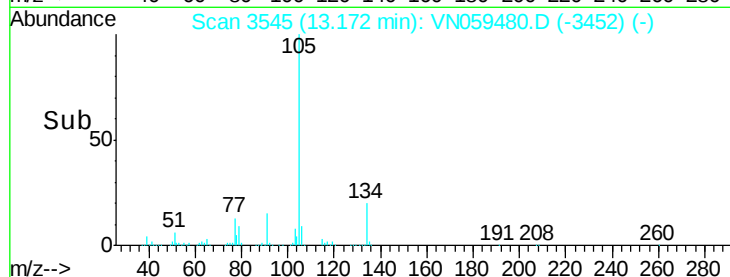
100000

50000

0

13.10 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 19.569 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

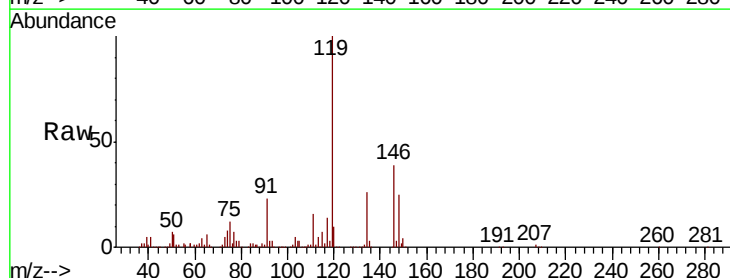
Tgt Ion:119 Resp: 323927

Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.3

91 23.1 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

250000

200000

150000

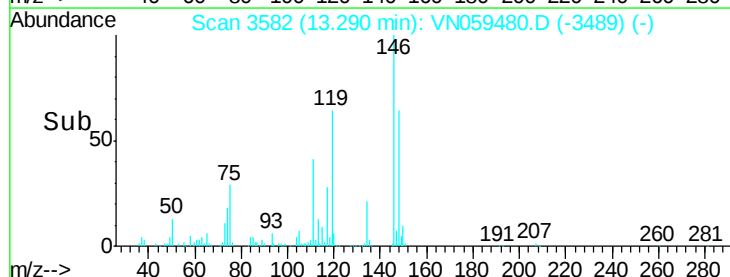
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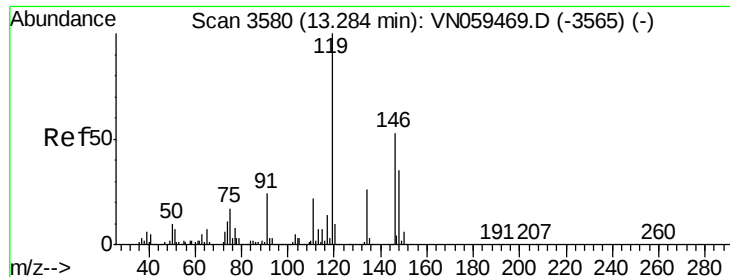
50000

0

13.20 13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.181 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

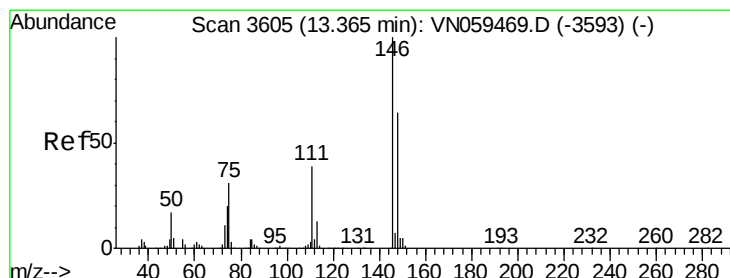
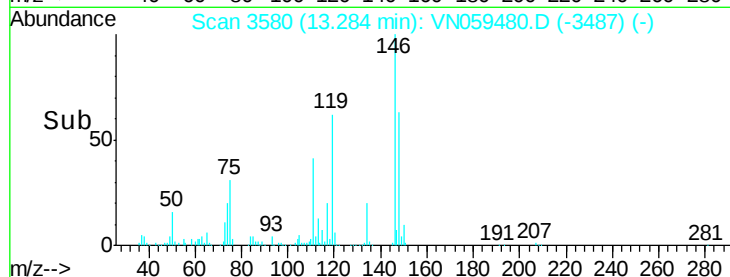
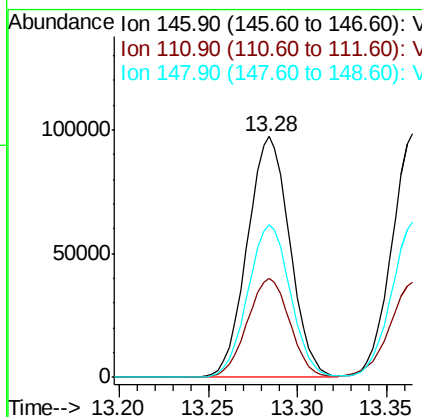
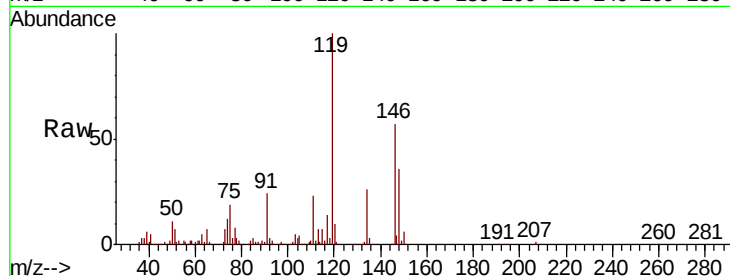
ClientSampled :

VN1204MBS01

Tot Ion:	146	Resp:	162339
Ion Ratio	Lower	Upper	
146	100		
111	40.9	20.4	61.3
148	63.4	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.740 ug/l

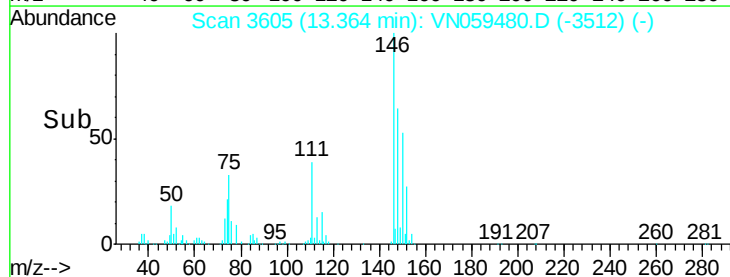
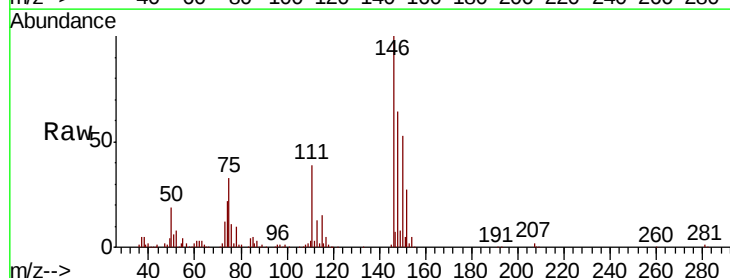
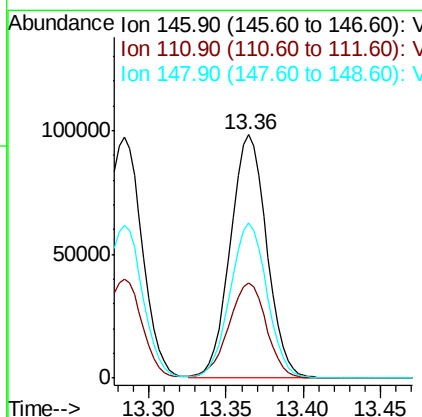
RT: 13.36 min Scan# 3605

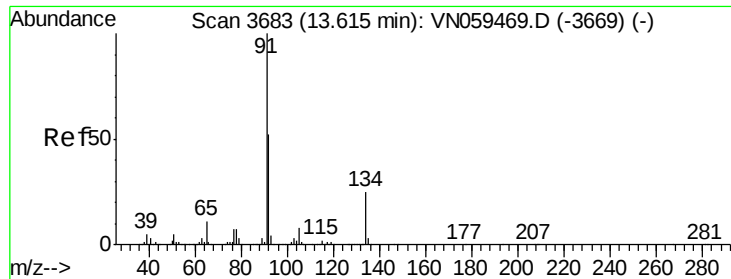
Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Tgt Ion:	146	Resp:	159958
Ion Ratio	Lower	Upper	
146	100		
111	41.1	19.8	59.3
148	65.1	32.0	96.0





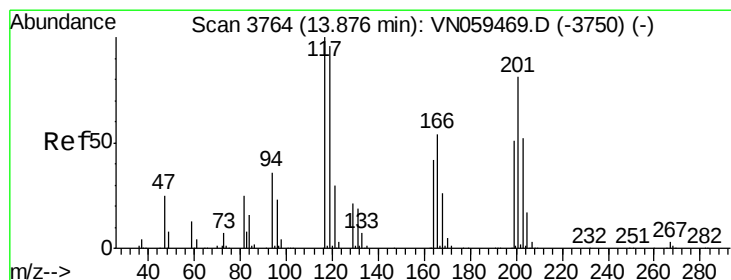
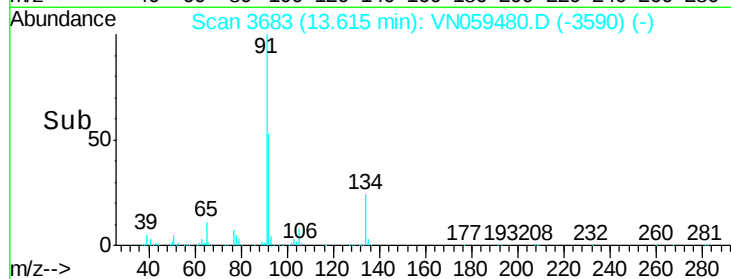
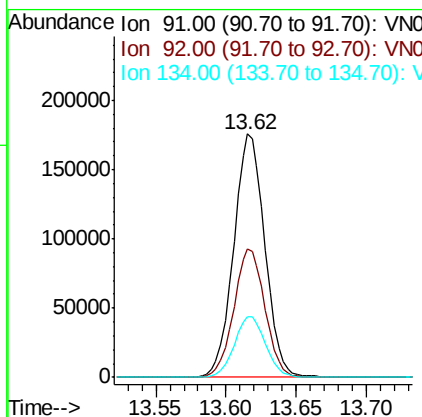
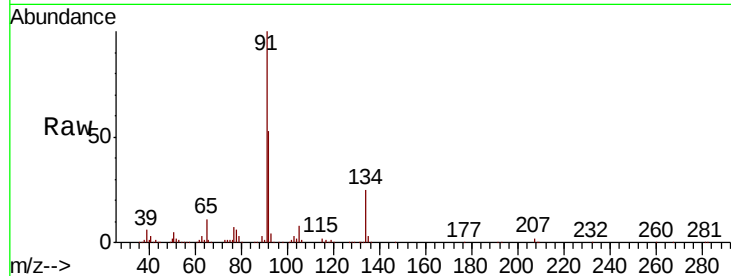
#89
n-Butylbenzene
Concen: 18.305 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	25.9	77.8
134	25.2	12.6	37.6

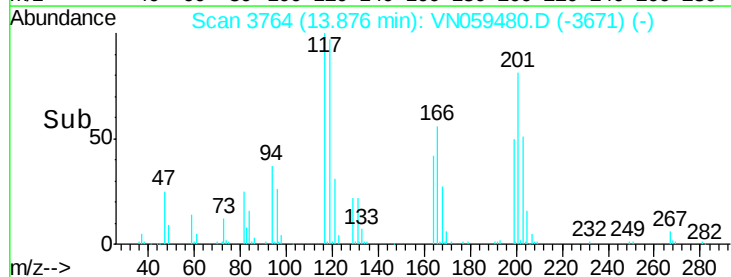
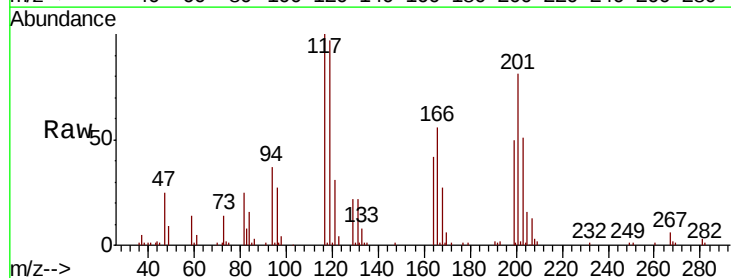
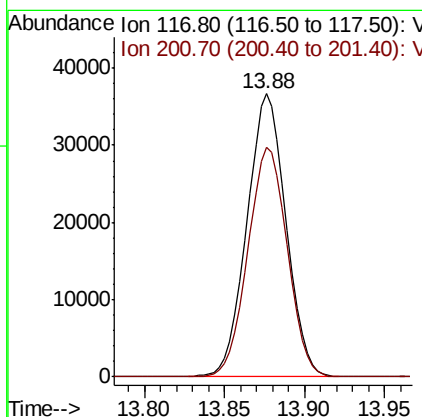
Manual Integrations
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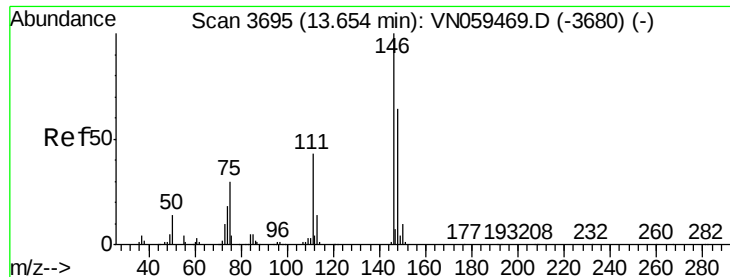
apatel
12/5/2019 11:19:41 AM



#90
Hexachloroethane
Concen: 19.111 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.9	40.6	122.0





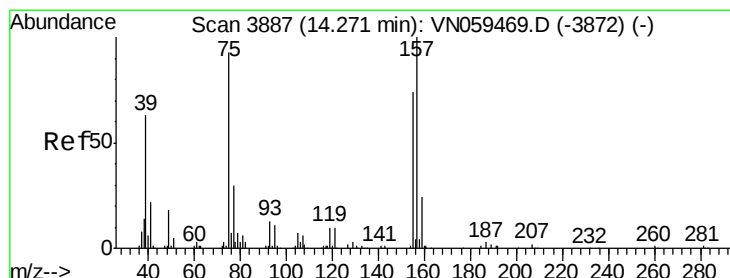
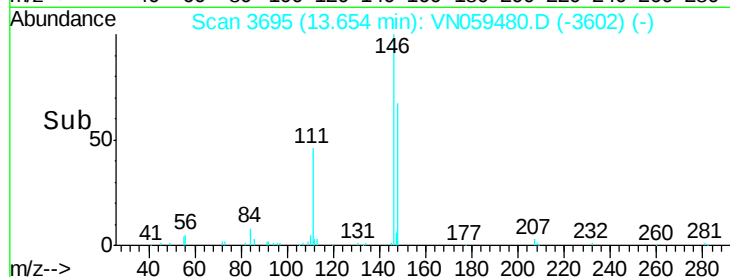
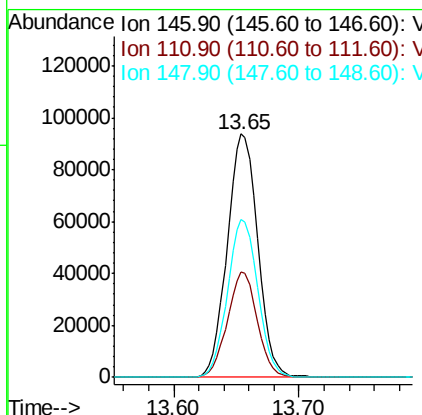
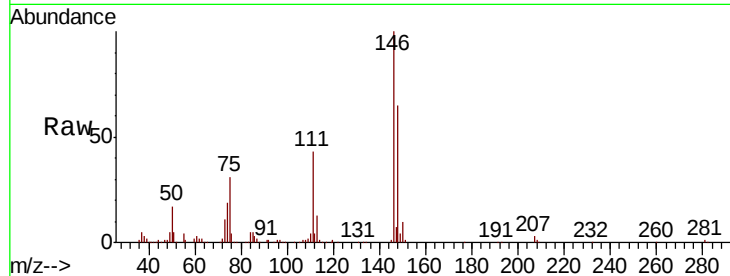
#91
 1,2-Dichlorobenzene
 Concen: 19.514 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	63.7
148	64.4	32.2	96.6

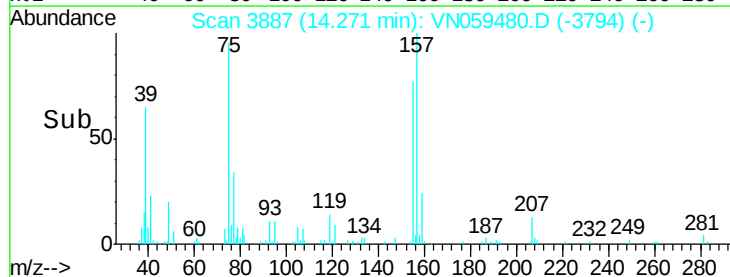
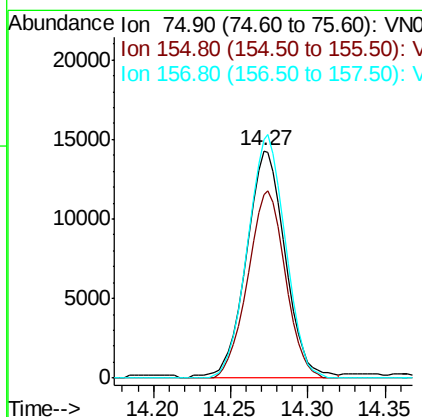
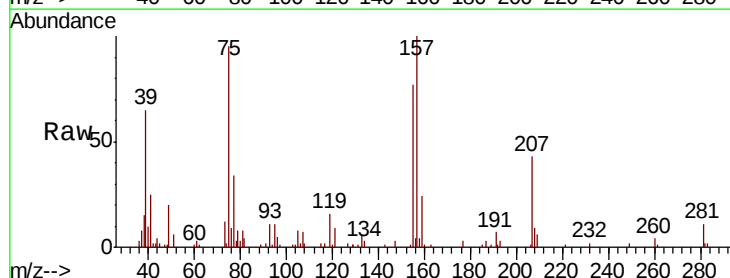
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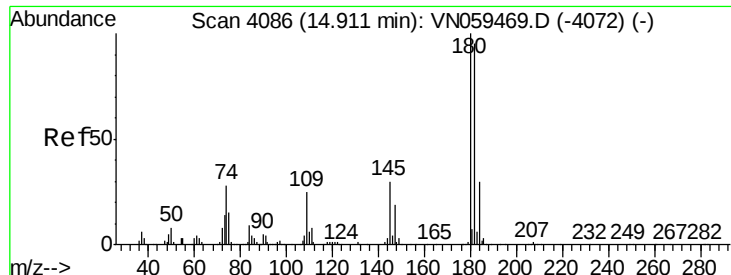
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.675 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.0	40.6	122.0
157	103.4	52.9	158.7





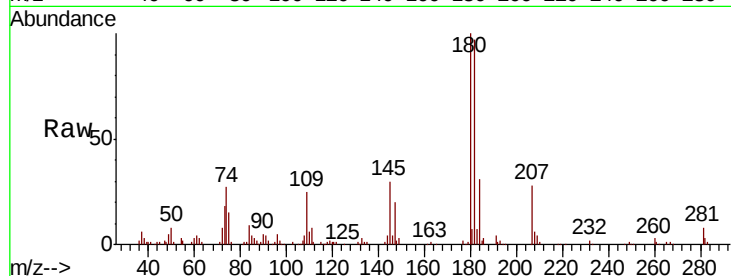
#93
1,2,4-Trichlorobenzene
Concen: 17.983 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

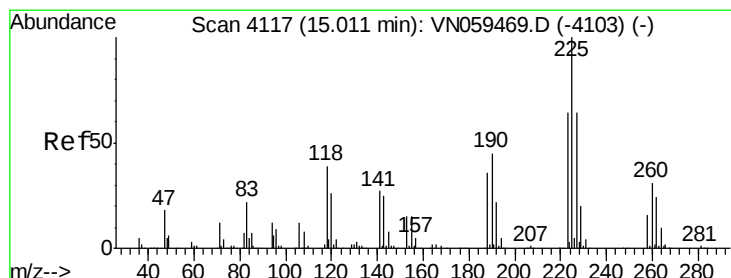
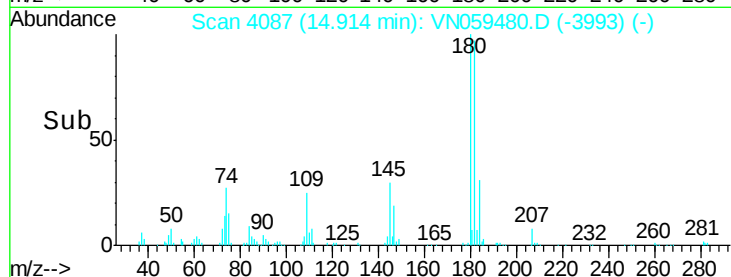
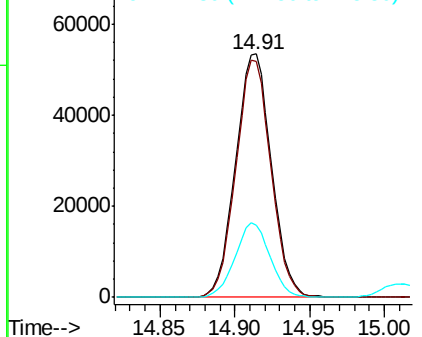
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.0	144.2
145	30.0	15.2	45.6

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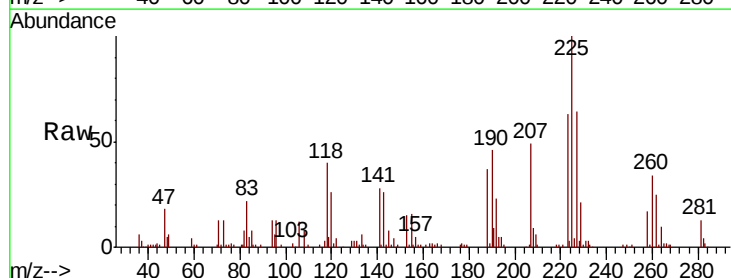


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

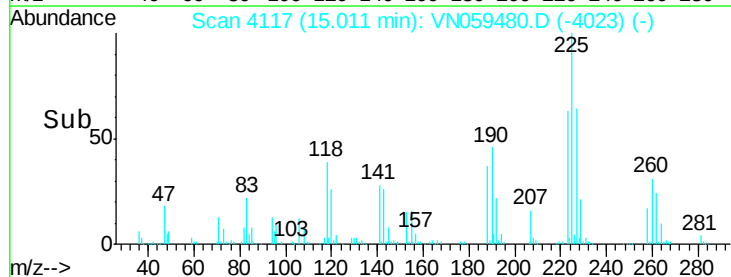
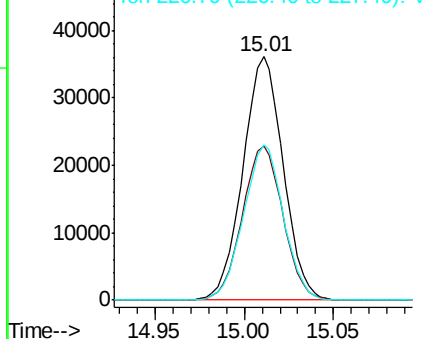


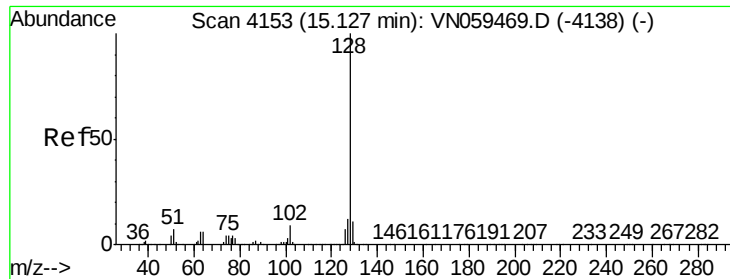
#94
Hexachlorobutadiene
Concen: 19.538 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.5
227	63.2	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





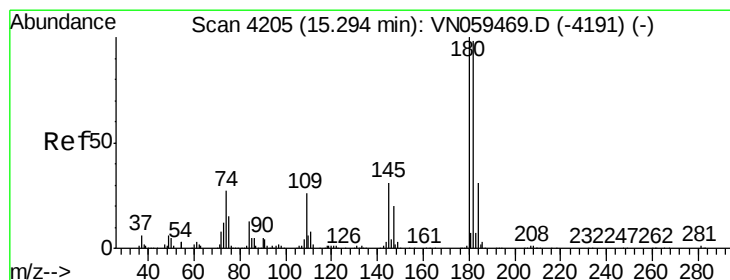
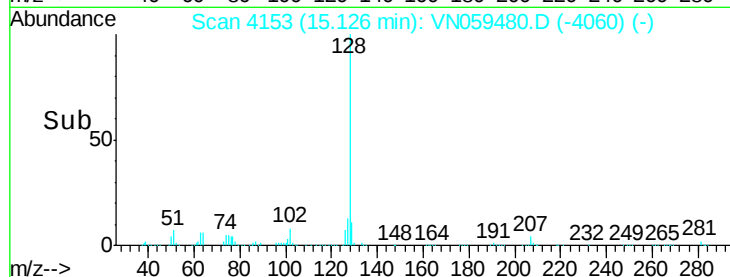
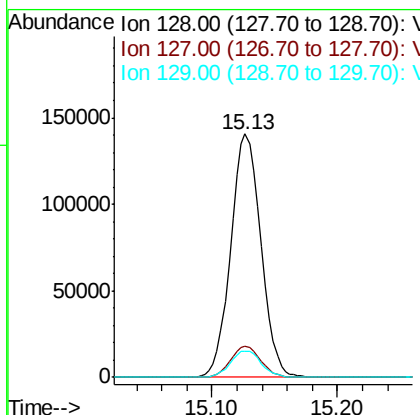
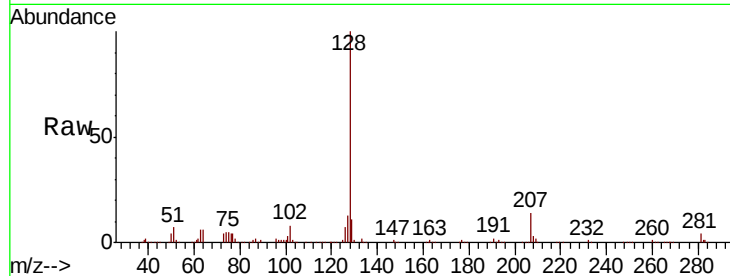
#95
Naphthalene
Concen: 18.805 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.0	8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 19.558 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.5	145.5
145	32.6	16.1	48.2

