

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120419\
 Data File : VN059479.D
 Acq On : 4 Dec 2019 11:34
 Operator : JC/SP
 Sample : VN1204WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Manual Integrations
 APPROVED

apatel
 12/5/2019 11:19:03 AM

Quant Time: Dec 05 01:26:03 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	370339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	583310	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	519489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	233985	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	234458	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
35) Dibromofluoromethane	7.57	113	184378	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
50) Toluene-d8	10.08	98	723236	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	12.40	95	249042	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	71773	17.416	ug/l	100
3) Chloromethane	2.04	50	98091	17.759	ug/l	100
4) Vinyl Chloride	2.17	62	60088	18.129	ug/l	100
5) Bromomethane	2.55	94	35003	17.378	ug/l	99
6) Chloroethane	2.68	64	34355	17.556	ug/l	96
7) Trichlorofluoromethane	3.00	101	75591	18.884	ug/l	98
8) Diethyl Ether	3.38	74	45896	17.597	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	71005	18.070	ug/l	100
10) Methyl Iodide	3.92	142	84725	17.028	ug/l	99
11) Tert butyl alcohol	4.76	59	71882	82.916	ug/l	100
12) 1,1-Dichloroethene	3.71	96	67391	17.544	ug/l	98
13) Acrolein	3.58	56	57281	76.133	ug/l	98
14) Allyl chloride	4.29	41	133763	17.680	ug/l	98
15) Acrylonitrile	4.95	53	206103	87.876	ug/l	100
16) Acetone	3.79	43	232907	87.267	ug/l	100
17) Carbon Disulfide	4.02	76	224814	17.153	ug/l	98
18) Methyl Acetate	4.30	43	105486	17.033	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	234479	17.911	ug/l	98
20) Methylene Chloride	4.52	84	79459	17.559	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	77427	18.015	ug/l	97
22) Diisopropyl ether	5.92	45	260181	18.477	ug/l	98
23) Vinyl Acetate	5.86	43	1058875	93.711	ug/l	100
24) 1,1-Dichloroethane	5.82	63	145798	18.226	ug/l	100
25) 2-Butanone	6.81	43	290867	83.180	ug/l	98
26) 2,2-Dichloropropane	6.80	77	126810	18.328	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	85855	17.986	ug/l	99
28) Bromochloromethane	7.17	49	57074	18.697	ug/l	99
29) Tetrahydrofuran	7.19	42	186680	84.902	ug/l	99
30) Chloroform	7.35	83	139907	18.114	ug/l	99
31) Cyclohexane	7.63	56	139644	18.016	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	120480	17.947	ug/l	99
36) 1,1-Dichloropropene	7.77	75	108666	17.902	ug/l	99
37) Ethyl Acetate	6.90	43	115565	17.044	ug/l	99
38) Carbon Tetrachloride	7.75	117	104636	17.923	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	133122	18.224	ug/l	98
40) Benzene	8.02	78	322253	18.129	ug/l	98
41) Methacrylonitrile	7.14	41	38778	14.112	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	110733	18.339	ug/l	99
43) Isopropyl Acetate	8.15	43	177597	17.611	ug/l	99
44) Trichloroethene	8.82	130	81210	17.483	ug/l	98
45) 1,2-Dichloropropane	9.10	63	87478	18.421	ug/l	99
46) Dibromomethane	9.19	93	53453	18.079	ug/l	99
47) Bromodichloromethane	9.39	83	107416	18.119	ug/l	99
48) Methyl methacrylate	9.18	41	77730	17.085	ug/l	99
49) 1,4-Dioxane	9.19	88	24182	351.256	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	539708	90.161	ug/l	98
52) Toluene	10.14	92	194166	18.061	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	123169	17.657	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	134365	18.172	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	75496	17.814	ug/l	97
56) Ethyl methacrylate	10.42	69	109525	16.952	ug/l	99
57) 1,3-Dichloropropane	10.70	76	133106	18.162	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	171830	84.595	ug/l	99
59) 2-Hexanone	10.74	43	395200	87.726	ug/l	99
60) Dibromochloromethane	10.90	129	80032	17.687	ug/l	100
61) 1,2-Dibromoethane	11.00	107	78176	17.852	ug/l	100
64) Tetrachloroethene	10.62	164	78430	17.749	ug/l	99
65) Chlorobenzene	11.43	112	202944	17.870	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	74979	18.374	ug/l	98
67) Ethyl Benzene	11.51	91	362737	18.230	ug/l	99
68) m/p-Xylenes	11.62	106	270131	36.461	ug/l	98
69) o-Xylene	11.94	106	128224	18.179	ug/l	100
70) Styrene	11.96	104	198870	17.662	ug/l	99
71) Bromoform	12.12	173	56349	17.716	ug/l #	99
73) Isopropylbenzene	12.25	105	339359	18.085	ug/l	100
74) N-amyl acetate	12.07	43	127616	16.884	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	109573	18.204	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	96861m	16.649	ug/l	
77) Bromobenzene	12.53	156	82253	17.541	ug/l	99
78) n-propylbenzene	12.59	91	395220	18.098	ug/l	100
79) 2-Chlorotoluene	12.67	91	238552	18.122	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	287591	18.339	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	38181	17.223	ug/l	98
82) 4-Chlorotoluene	12.77	91	243893	17.957	ug/l	99
83) tert-Butylbenzene	12.99	119	243219	17.865	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	280482	18.302	ug/l	99
85) sec-Butylbenzene	13.17	105	326747	18.108	ug/l	100
86) p-Isopropyltoluene	13.29	119	296766	18.353	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	144586	17.488	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	144445	17.323	ug/l	98
89) n-Butylbenzene	13.62	91	248428	17.148	ug/l	99
90) Hexachloroethane	13.88	117	54747	17.555	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	139142	17.556	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21034	16.858	ug/l	99

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QLast Update : Tue Dec 03 16:37:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	77253	15.966	ug/l	100
94) Hexachlorobutadiene	15.01	225	52441	18.279	ug/l	98
95) Naphthalene	15.13	128	192456	16.164	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	78378	17.457	ug/l	97

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

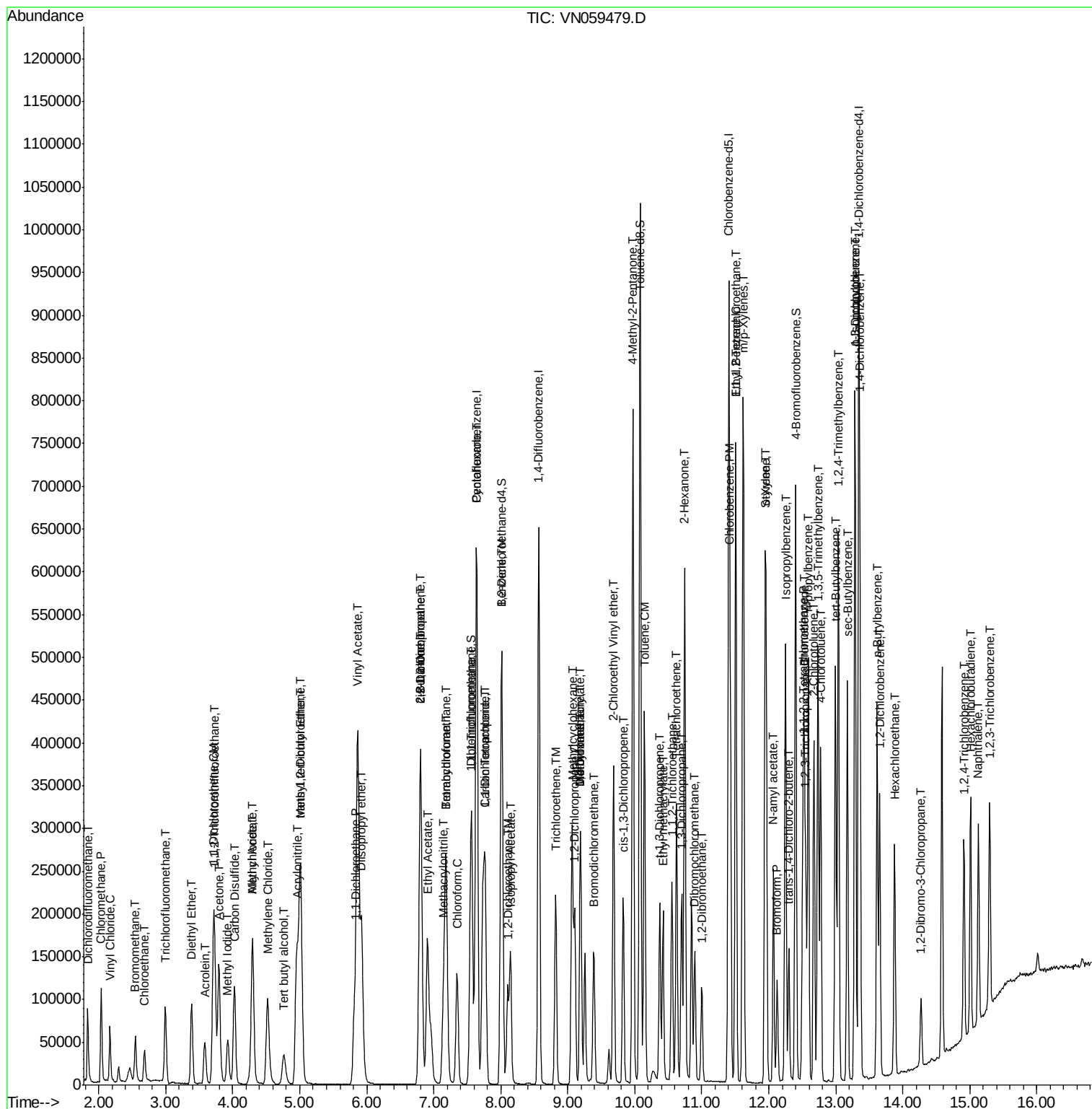
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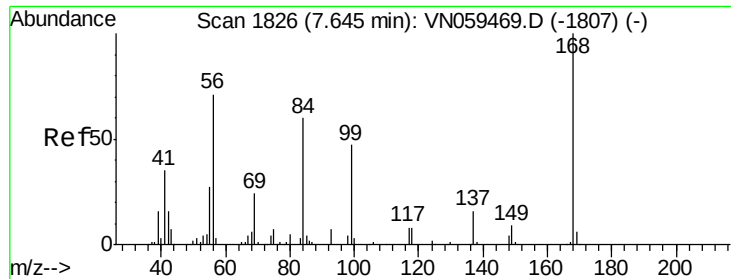
Instrument :
MSVOA_N
Client Sample ID :
VN1204WBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

Tot Ion:168 Resp: 370339

Ion Ratio Lower Upper

168 100

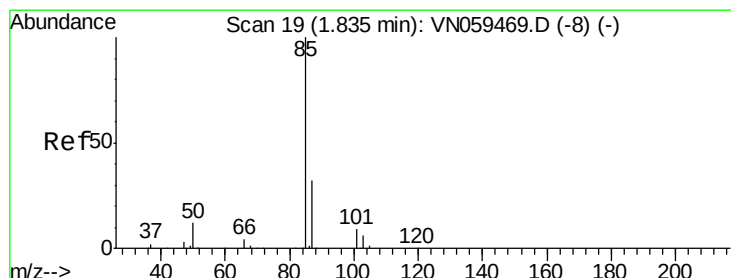
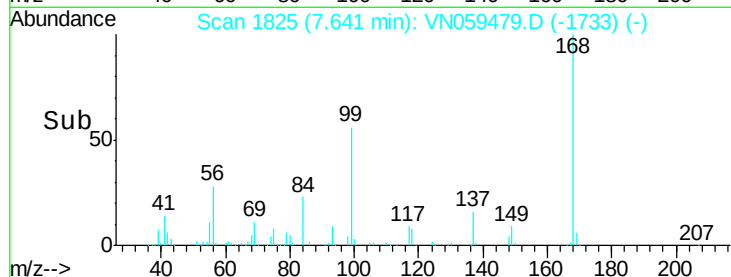
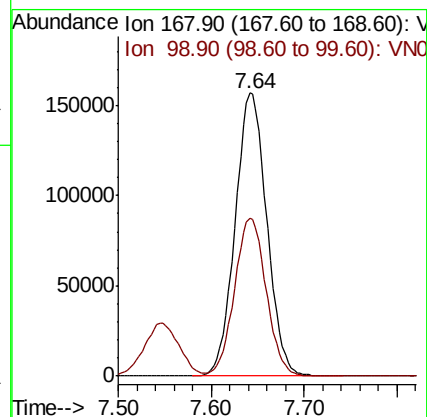
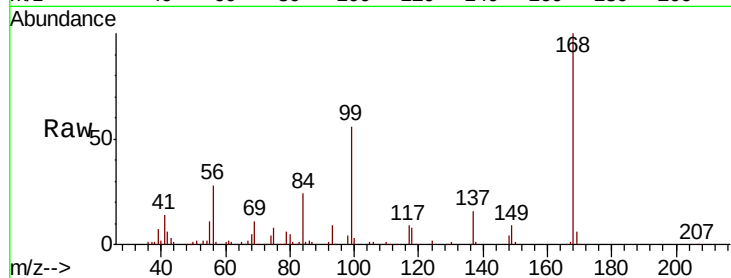
99 55.9 43.4 65.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 17.416 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059479.D

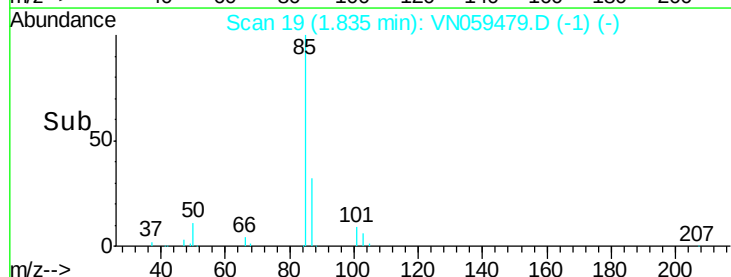
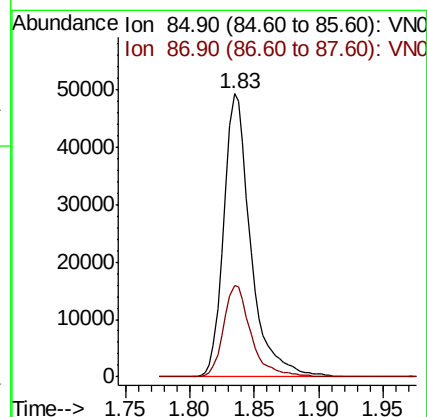
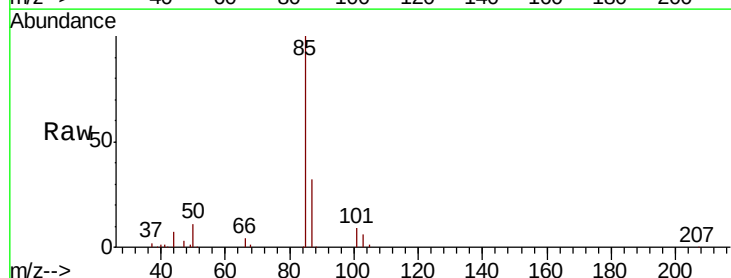
Acq: 4 Dec 2019 11:34

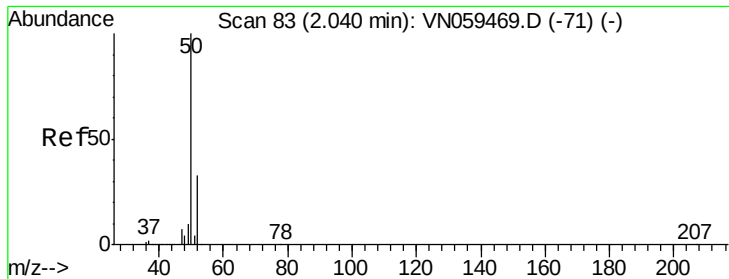
Tgt Ion: 85 Resp: 71773

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.3





#3

Chloromethane

Concen: 17.759 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

Tot Ion: 50 Resp: 98091

Ion Ratio Lower Upper

50 100

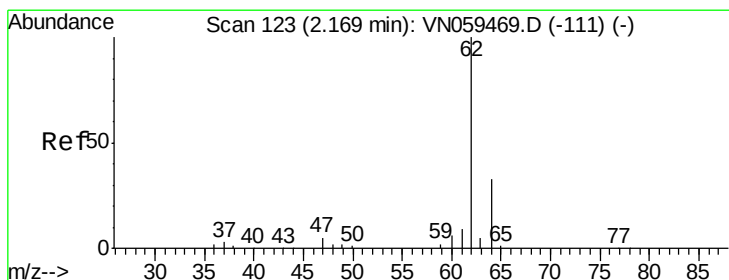
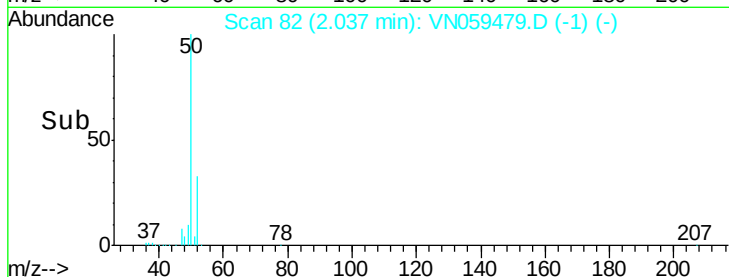
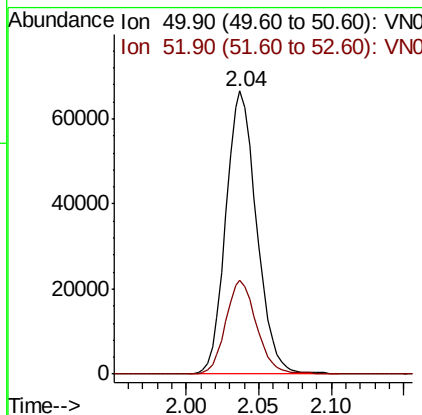
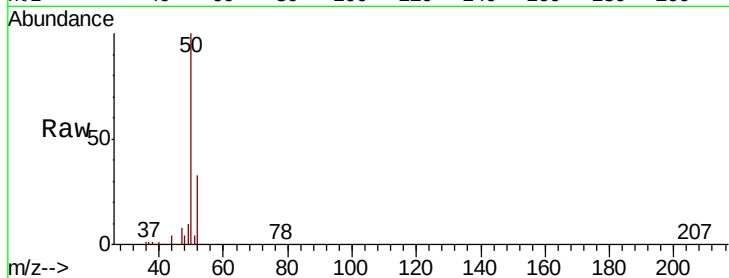
52 33.3 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.129 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059479.D

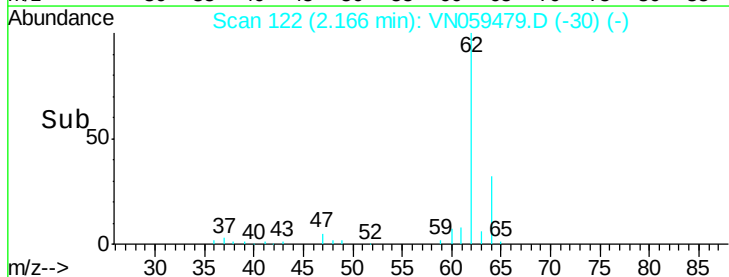
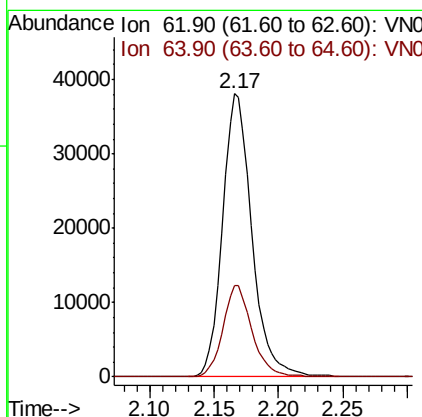
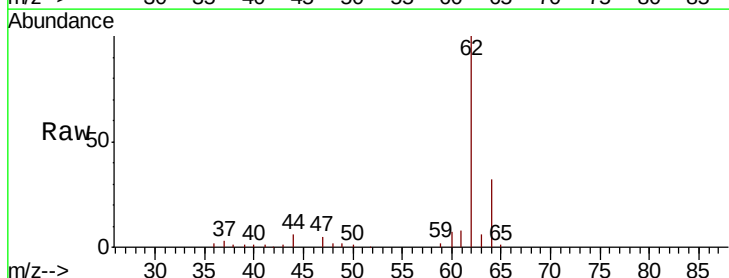
Acq: 4 Dec 2019 11:34

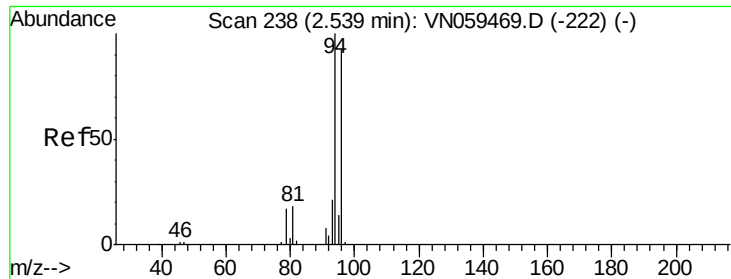
Tgt Ion: 62 Resp: 60088

Ion Ratio Lower Upper

62 100

64 32.5 26.0 39.0





#5

Bromomethane

Concen: 17.378 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

Tot Ion: 94 Resp: 35003

Ion Ratio Lower Upper

94 100

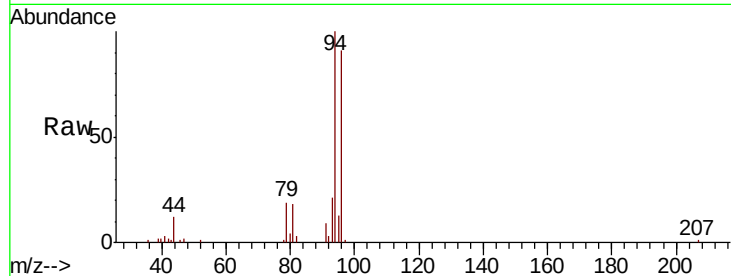
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Manual Integrations

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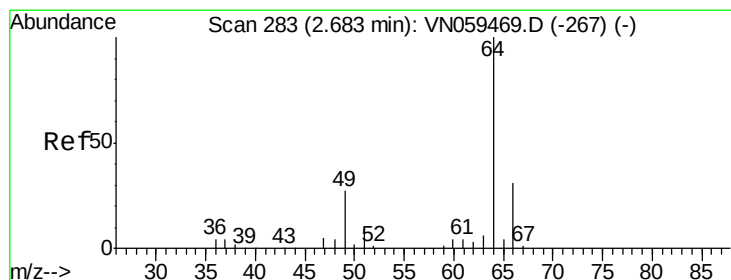
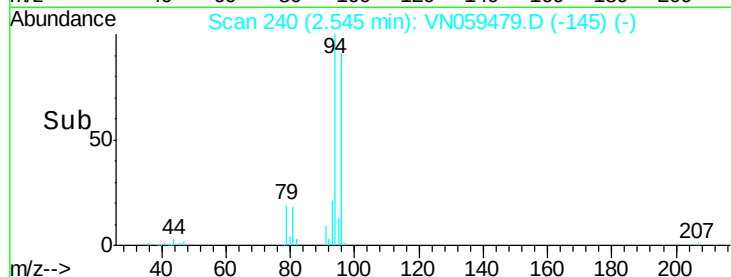
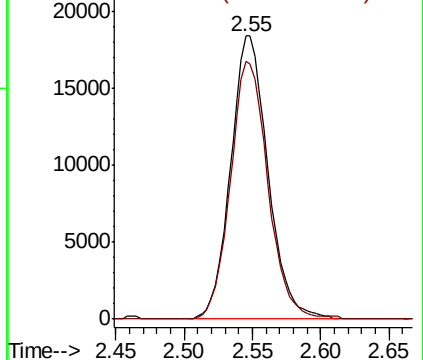
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.556 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN059479.D

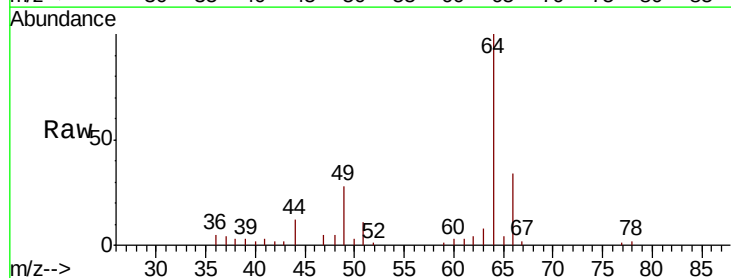
Acq: 4 Dec 2019 11:34

Tgt Ion: 64 Resp: 34355

Ion Ratio Lower Upper

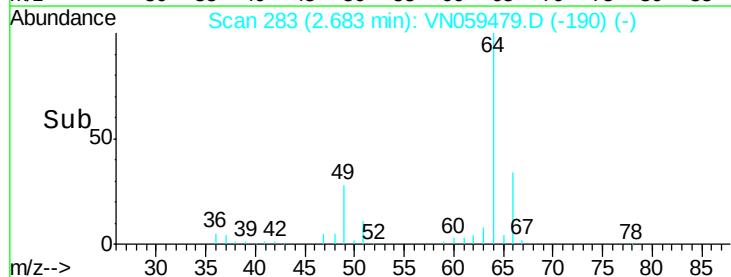
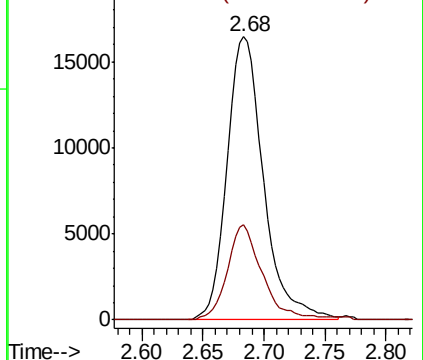
64 100

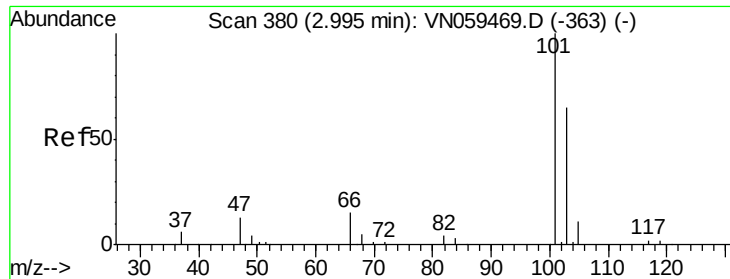
66 33.6 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

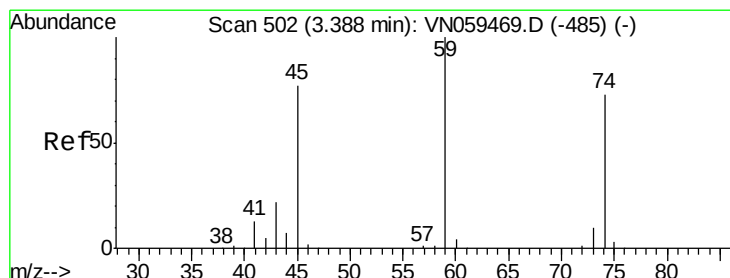
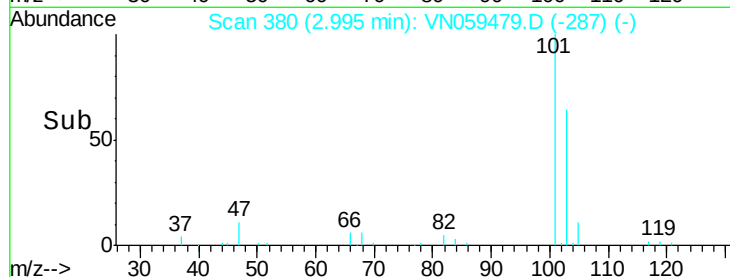
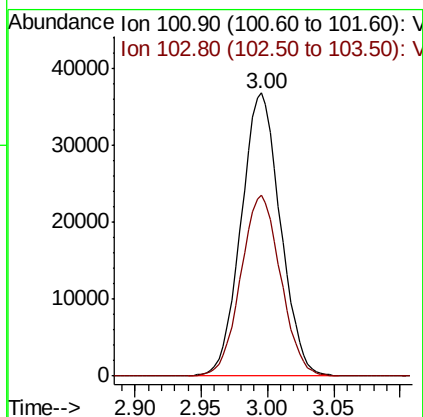
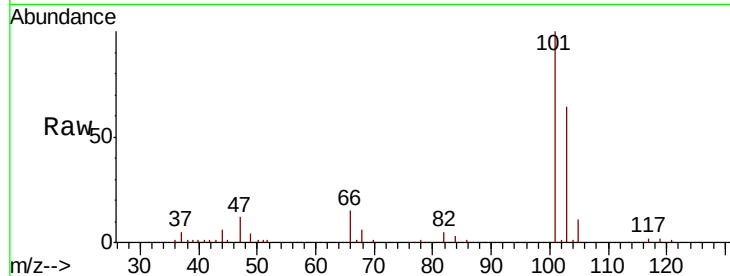
Trichlorofluoromethane
Concen: 18.884 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Instrument :
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ClientSampled :
VN1204WBS01

Tot Ion:101 Resp: 75591
Ion Ratio Lower Upper
101 100
103 64.1 52.4 78.6

Manual Integrations
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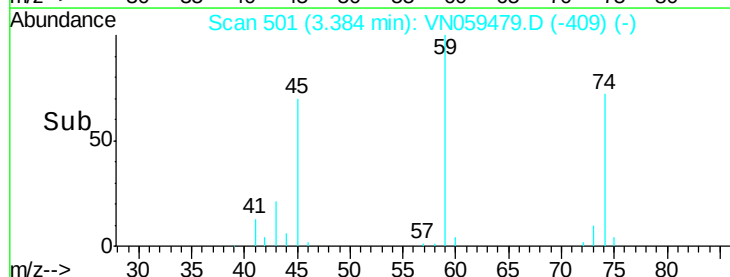
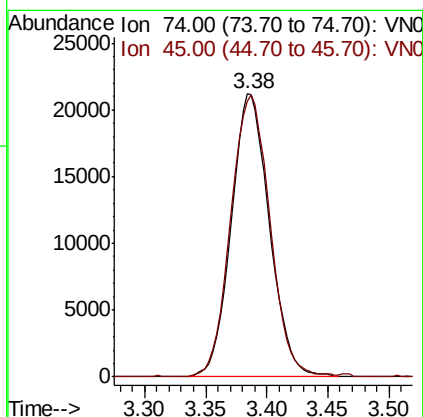
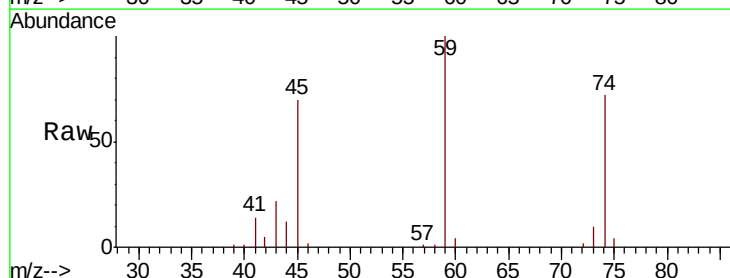
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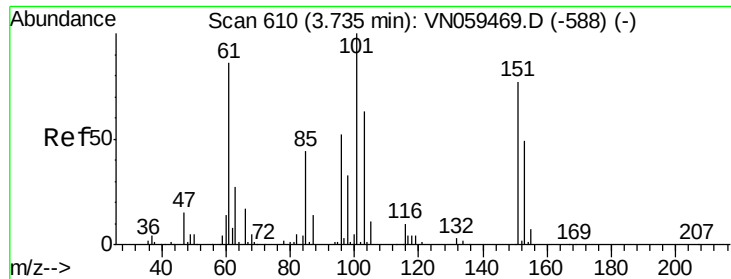


#8

Diethyl Ether
Concen: 17.597 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Tgt Ion: 74 Resp: 45896
Ion Ratio Lower Upper
74 100
45 102.6 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.070 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

Instrument :

MSVOA_N

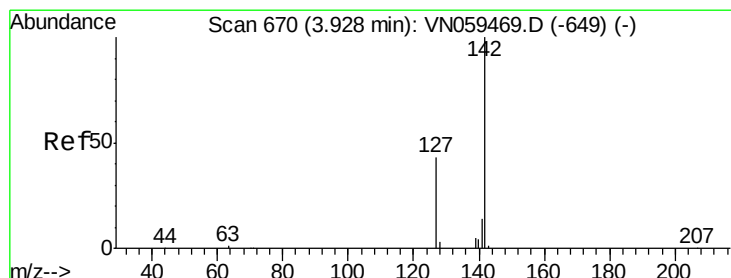
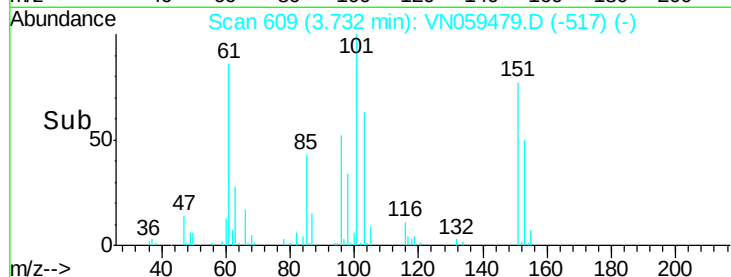
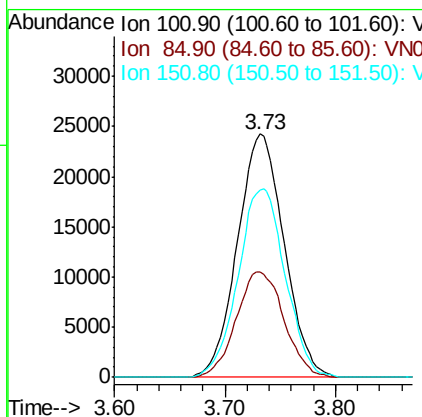
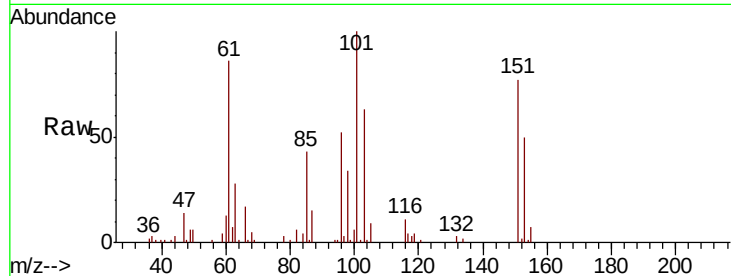
ClientSampleId :

VN1204WBS01

Tot Ion:	101	Resp:	71005
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.2	52.8
151	78.3	62.4	93.6

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#10

Methyl Iodide

Concen: 17.028 ug/l

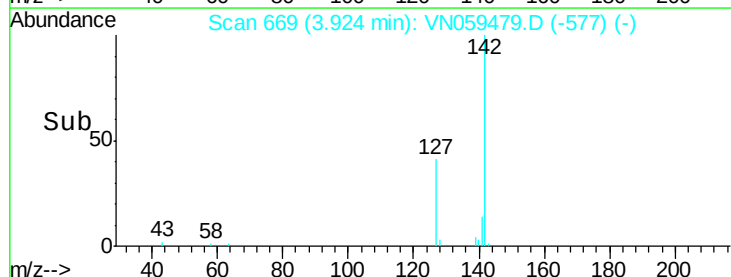
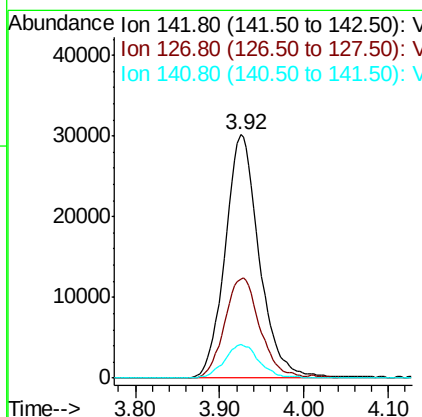
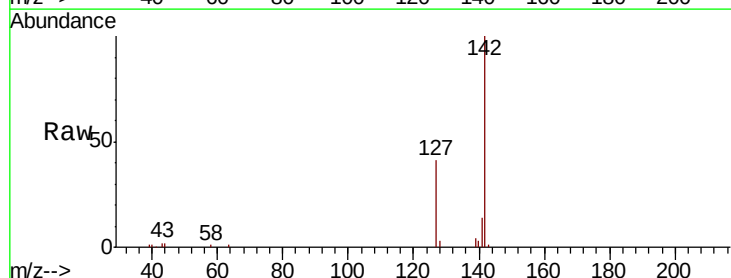
RT: 3.92 min Scan# 669

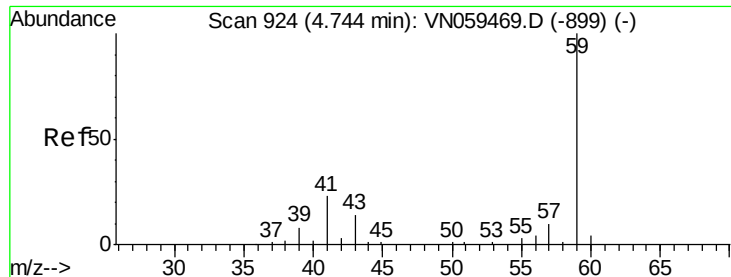
Delta R.T. -0.00 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

Tgt Ion:	142	Resp:	84725
Ion Ratio	Lower	Upper	
142	100		
127	42.5	34.6	52.0
141	14.1	11.4	17.0





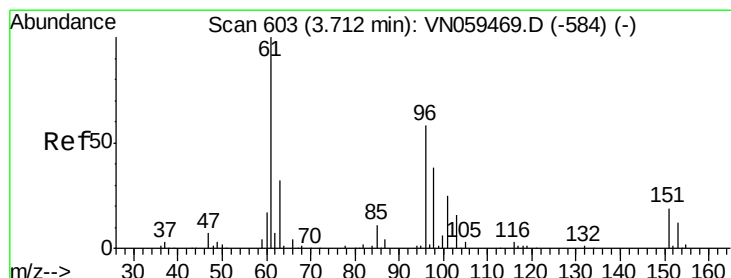
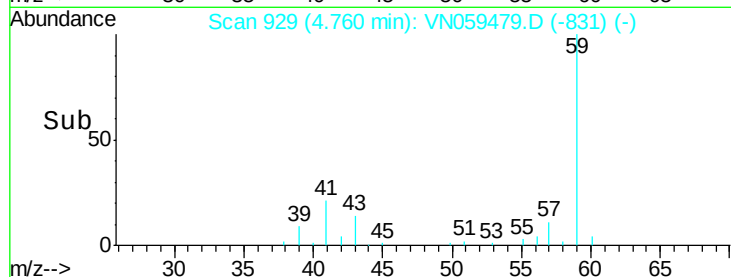
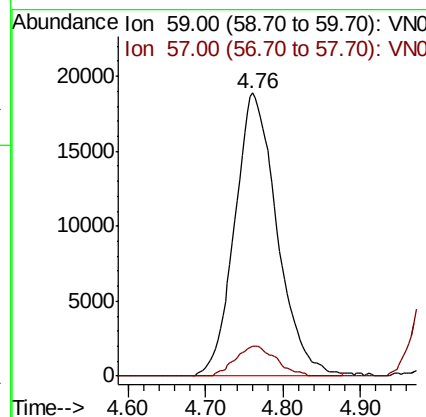
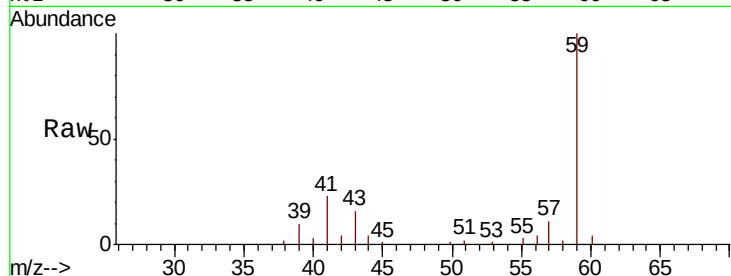
#11
Tert butyl alcohol
Concen: 82.916 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.02 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.1	12.1

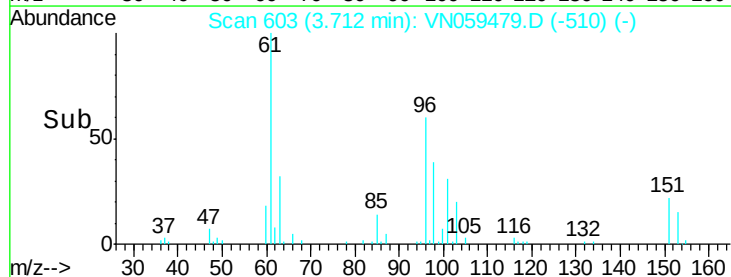
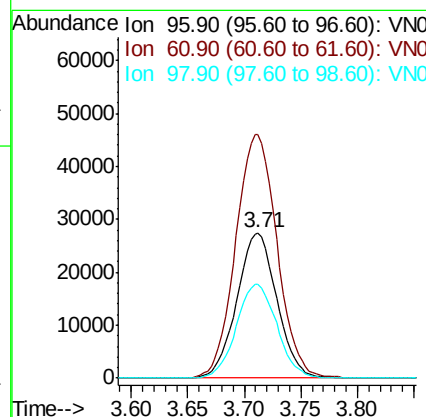
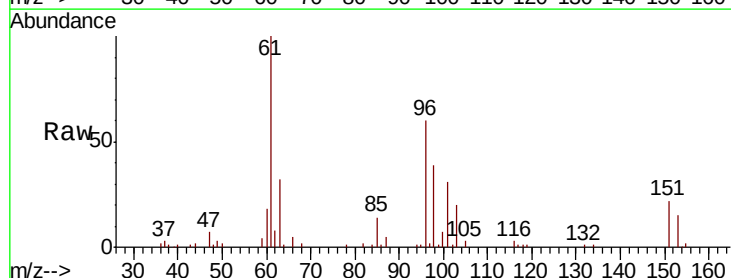
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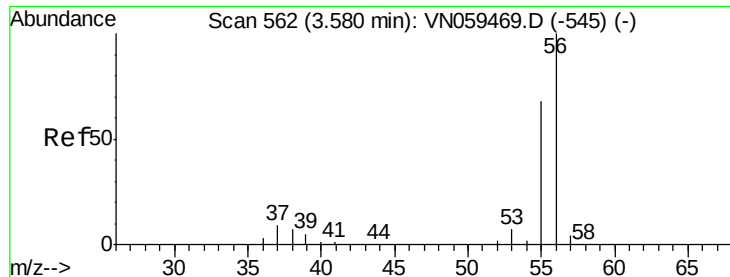
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#12
1,1-Dichloroethene
Concen: 17.544 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.4	137.1	205.7
98	64.7	52.4	78.6





#13

Acrolein

Concen: 76.133 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

Tot Ion: 56 Resp: 57281

Ion Ratio Lower Upper

56 100

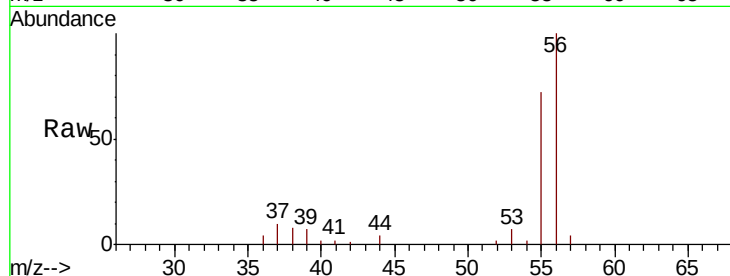
55 72.4 56.5 84.7

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

25000

20000

15000

10000

5000

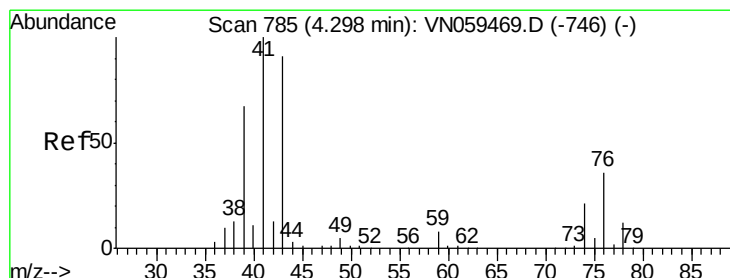
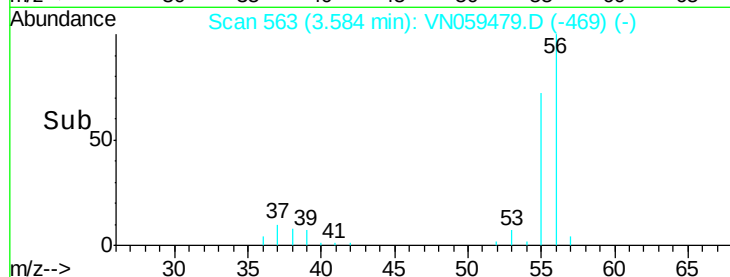
0

3.50

3.60

3.70

Time-->



#14

Allyl chloride

Concen: 17.680 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

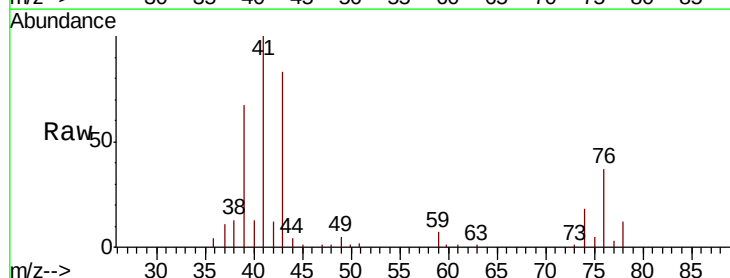
Tgt Ion: 41 Resp: 133763

Ion Ratio Lower Upper

41 100

39 62.9 49.3 73.9

76 32.7 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

50000

40000

30000

20000

10000

0

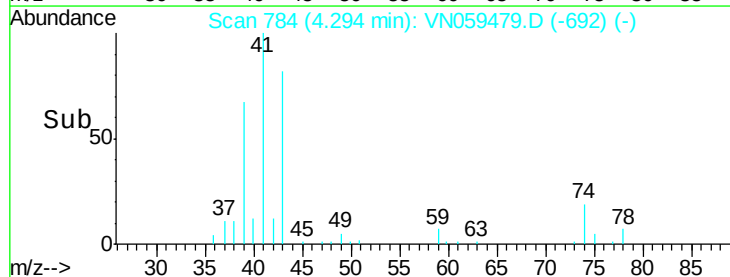
4.10

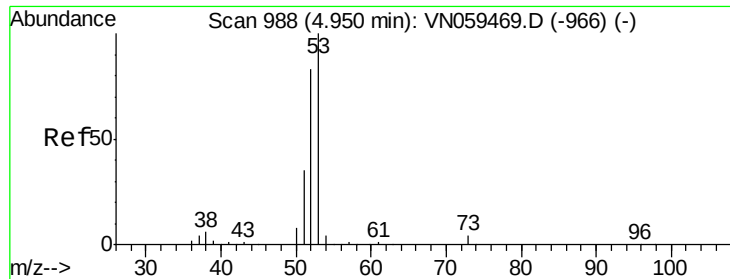
4.20

4.30

4.40

Time-->





#15

Acrylonitrile

Concen: 87.876 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

Instrument :

MSVOA_N

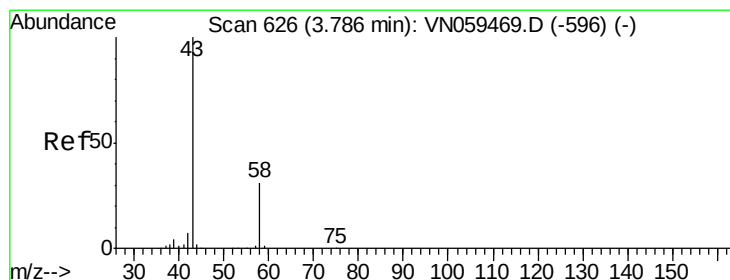
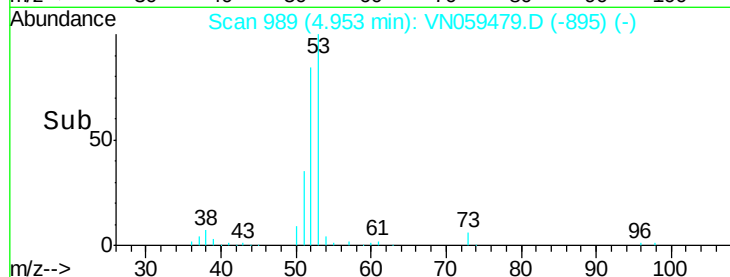
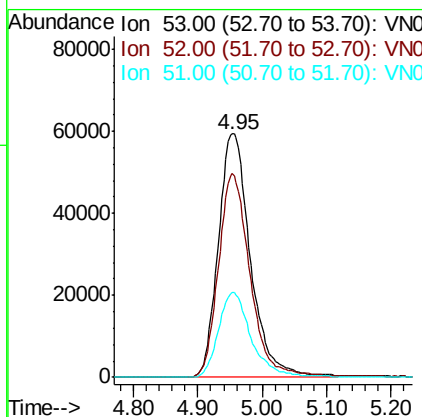
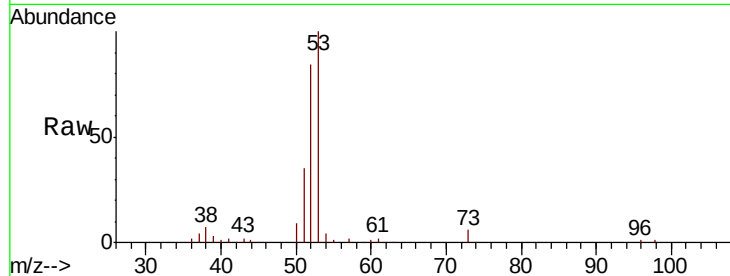
ClientSampleId :

VN1204WBS01

Tot Ion:	53	Resp:	206103
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.5	98.3
51	35.3	28.5	42.7

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#16

Acetone

Concen: 87.267 ug/l

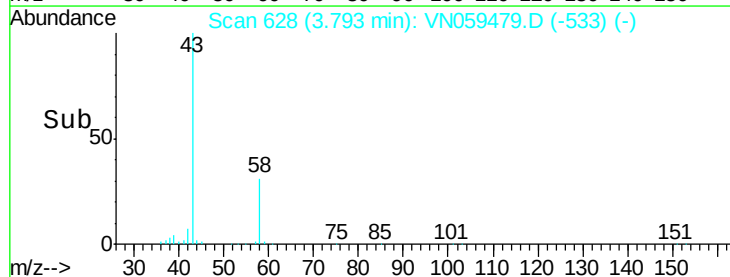
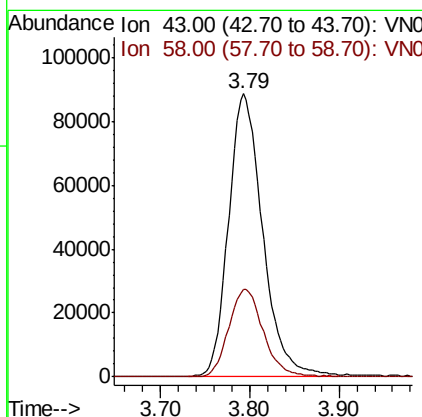
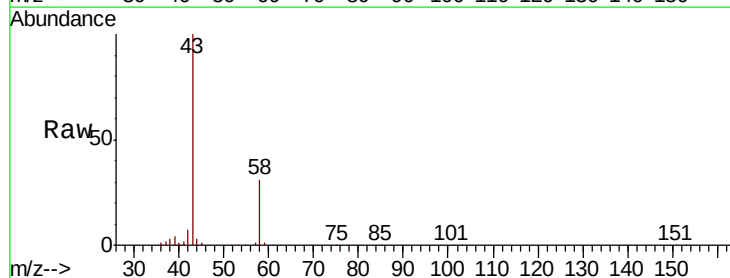
RT: 3.79 min Scan# 628

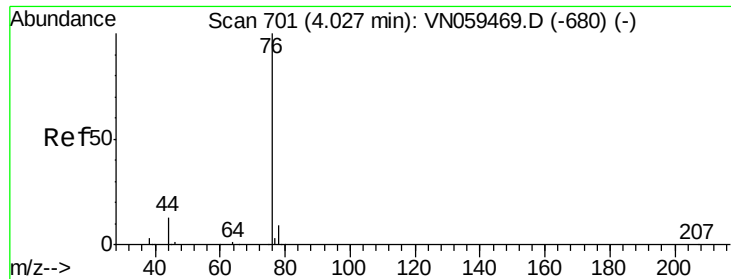
Delta R.T. 0.01 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

Tgt Ion:	43	Resp:	232907
Ion Ratio	Lower	Upper	
43	100		
58	30.9	24.9	37.3





#17

Carbon Disulfide

Concen: 17.153 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

Tot Ion: 76 Resp: 224814

Ion Ratio Lower Upper

76 100

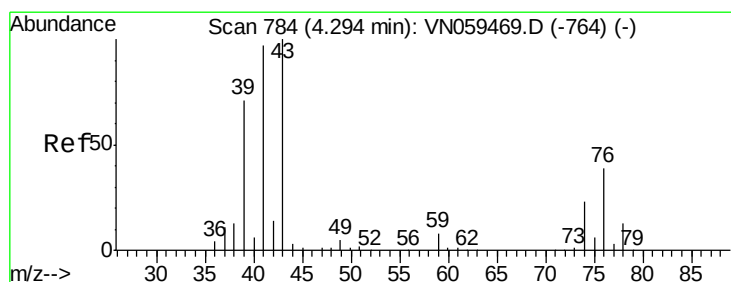
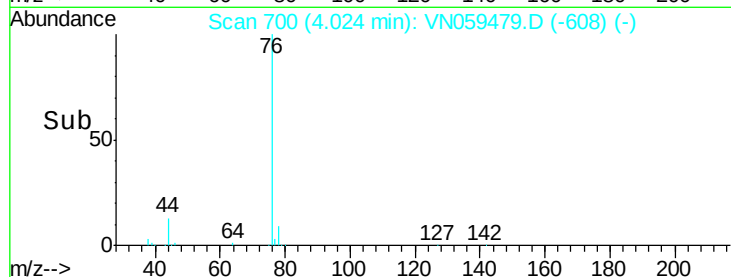
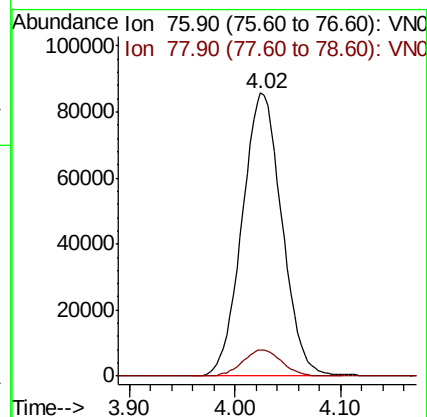
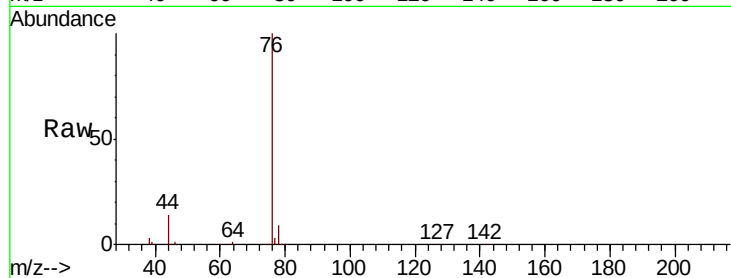
78 9.4 7.0 10.6

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#18

Methyl Acetate

Concen: 17.033 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059479.D

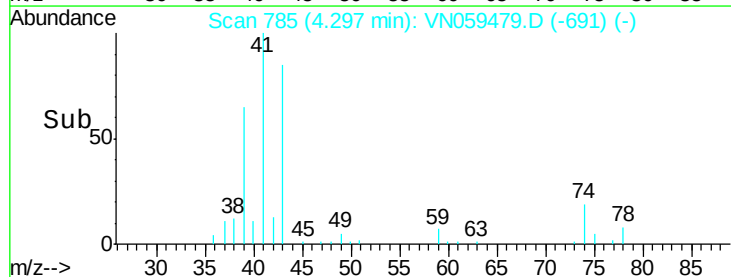
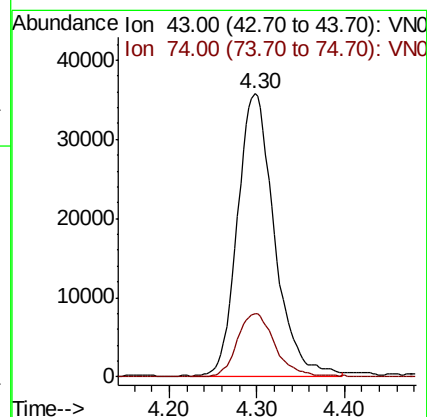
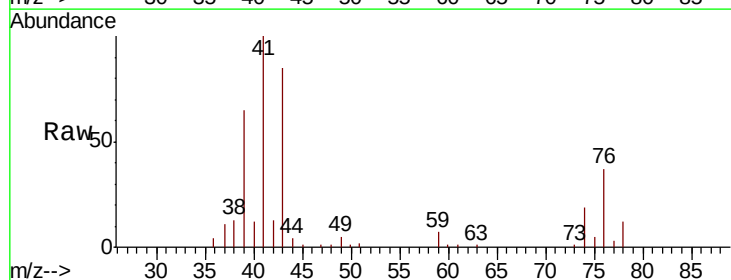
Acq: 4 Dec 2019 11:34

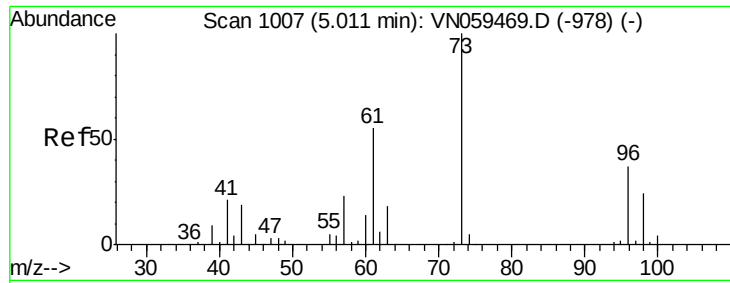
Tgt Ion: 43 Resp: 105486

Ion Ratio Lower Upper

43 100

74 22.6 18.3 27.5





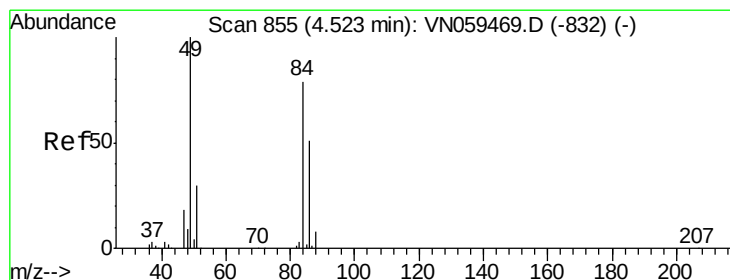
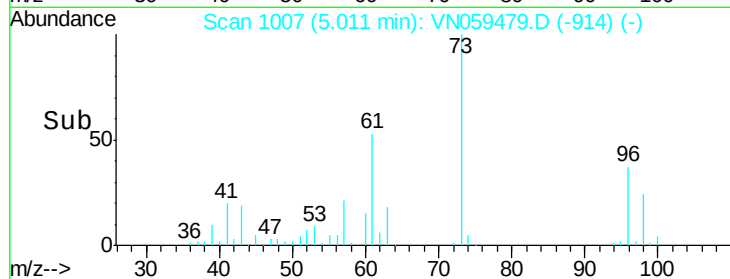
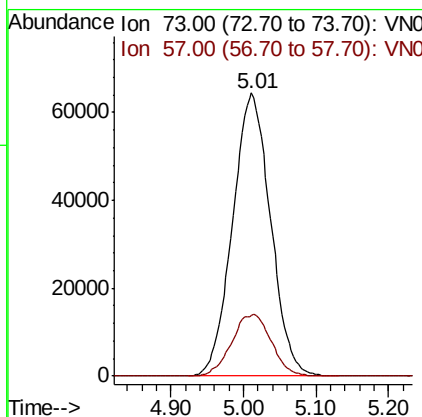
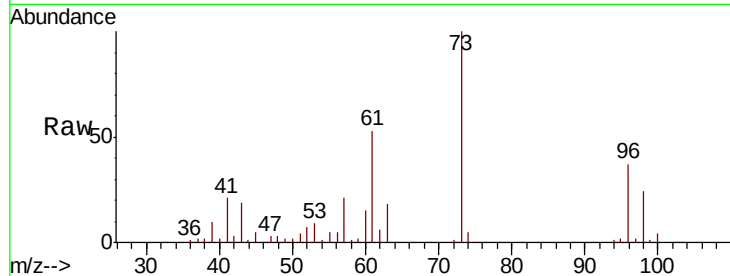
#19
Methyl tert-butyl Ether
Concen: 17.911 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Instrument :
MSVOA_N
ClientSampled :
VN1204WBS01

Tot Ion	73	Resp	234479
Ion Ratio	100	Lower	Upper
57	21.3	18.0	27.0

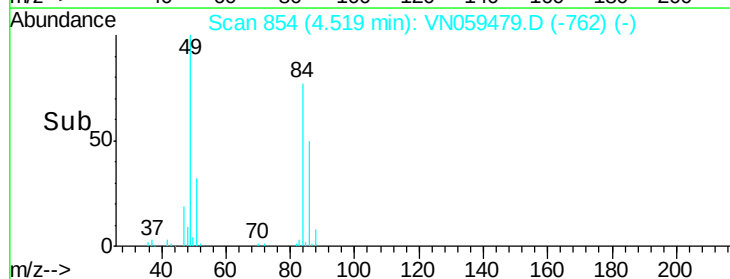
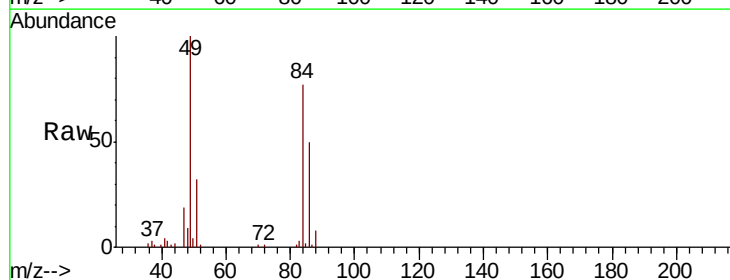
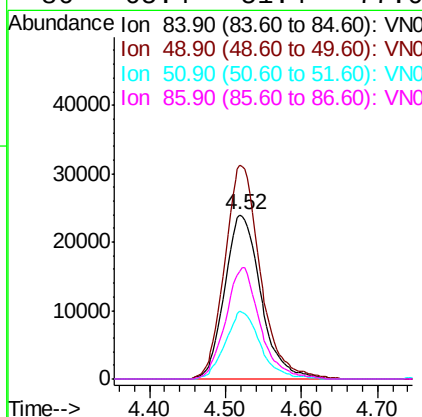
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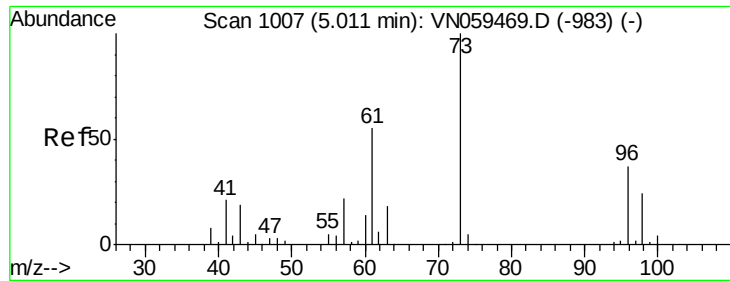
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#20
Methylene Chloride
Concen: 17.559 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Tgt Ion	84	Resp	79459
Ion Ratio	100	Lower	Upper
49	130.1	101.1	151.7
51	41.4	30.7	46.1
86	65.4	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 18.015 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

Tot Ion: 96 Resp: 77427

Ion Ratio Lower Upper

96 100

61 142.7 118.9 178.3

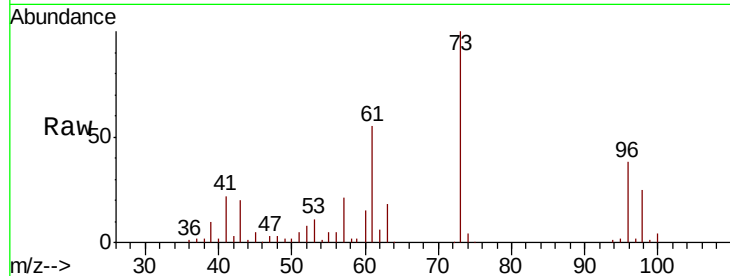
98 65.1 51.6 77.4

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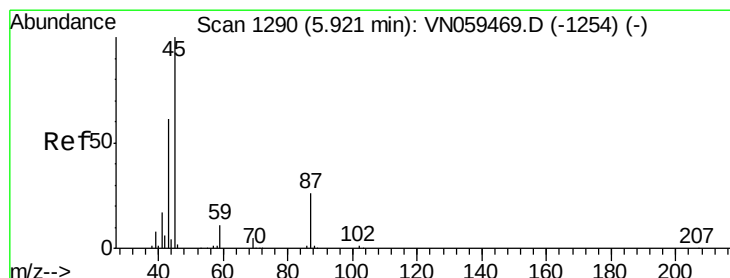
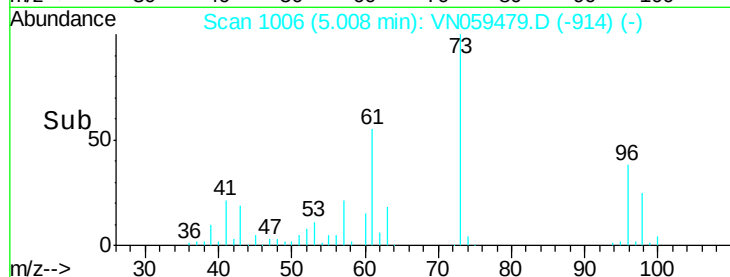
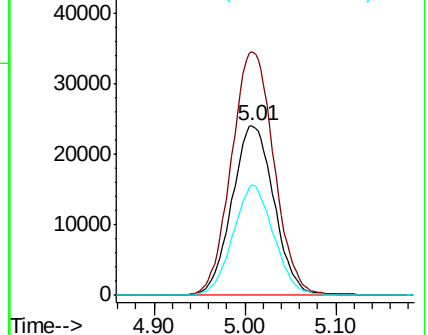
12/5/2019 11:19:03 AM



Abundance Ion 95.90 (95.60 to 96.60): VN059479.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN059479.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN059479.D (-914) (-)



#22

Diisopropyl ether

Concen: 18.477 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

Tgt Ion: 45 Resp: 260181

Ion Ratio Lower Upper

45 100

43 62.8 49.1 73.7

87 25.8 21.6 32.4

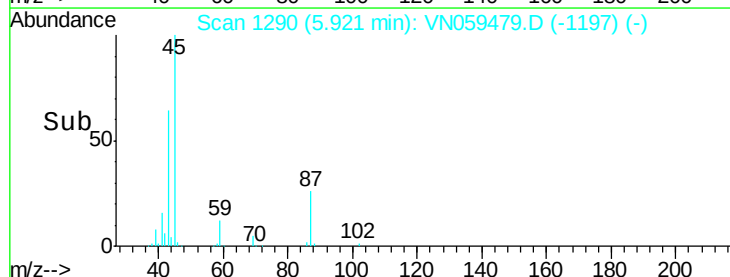
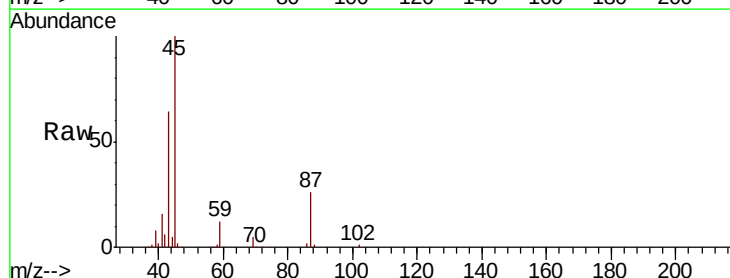
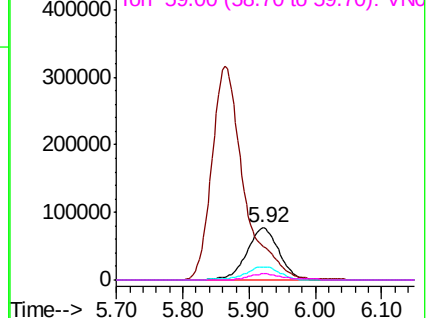
59 11.3 9.0 13.4

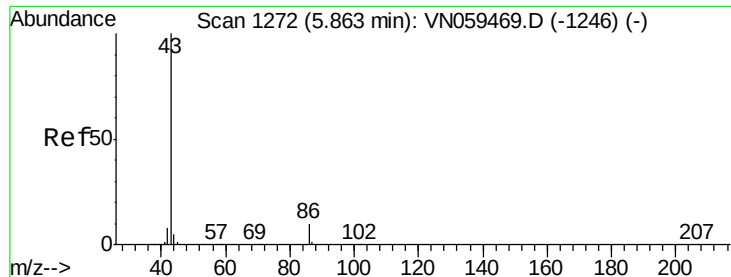
Abundance Ion 45.00 (44.70 to 45.70): VN059479.D (-1197) (-)

Ion 43.00 (42.70 to 43.70): VN059479.D (-1197) (-)

Ion 87.00 (86.70 to 87.70): VN059479.D (-1197) (-)

Ion 59.00 (58.70 to 59.70): VN059479.D (-1197) (-)





#23

Vinyl Acetate

Concen: 93.711 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

Instrument :

MSVOA_N

ClientSampled :

VN1204WBS01

Tot Ion: 43 Resp: 1058875

Ion Ratio Lower Upper

43 100

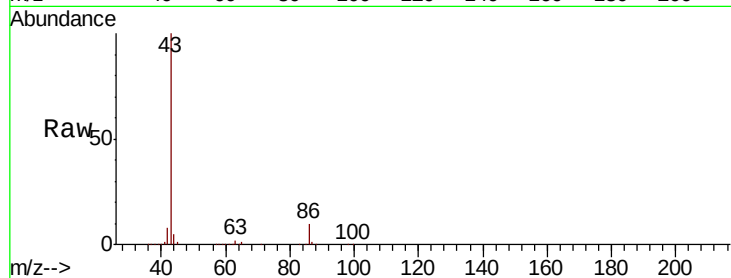
86 10.1 8.0 12.0

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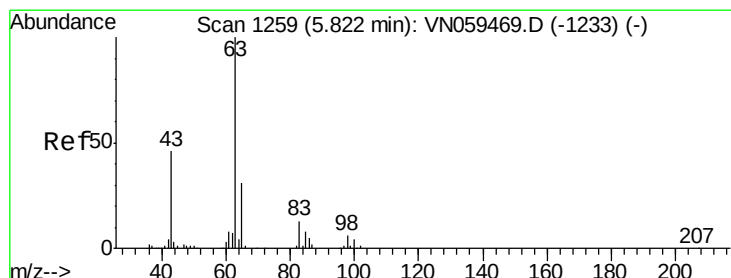
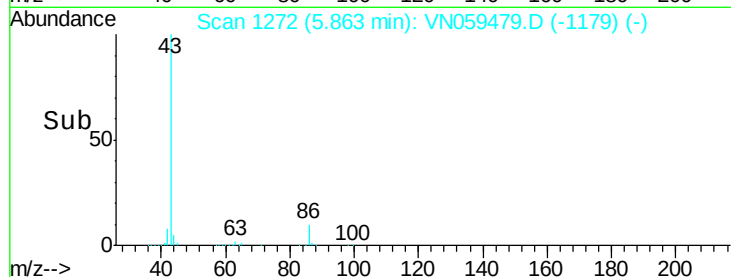
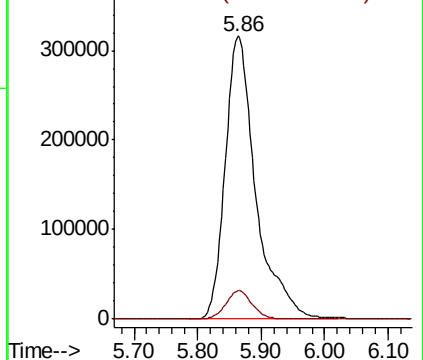
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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 18.226 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

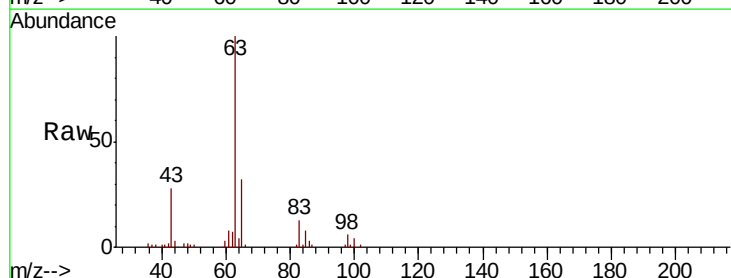
Tgt Ion: 63 Resp: 145798

Ion Ratio Lower Upper

63 100

98 6.2 3.2 9.6

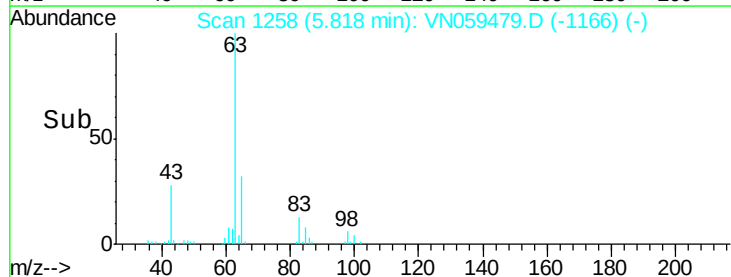
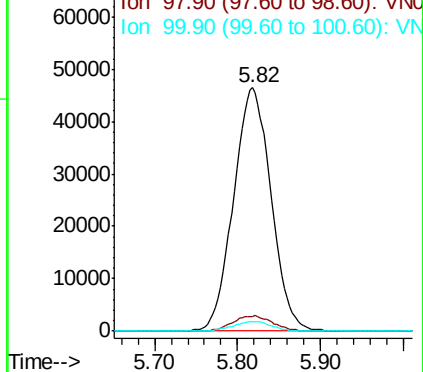
100 3.9 2.0 6.0

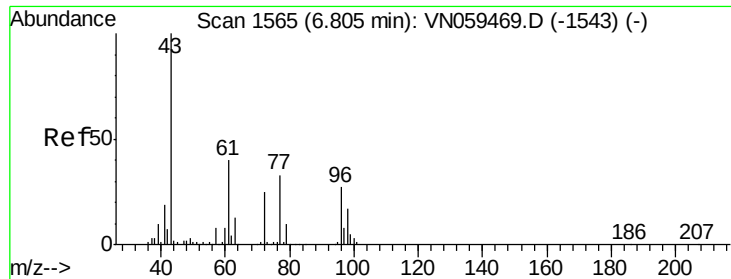


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





#25

2-Butanone

Concen: 83.180 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

Instrument :

MSVOA_N

ClientSampled :

VN1204WBS01

Tot Ion: 43 Resp: 290867

Ion Ratio Lower Upper

43 100

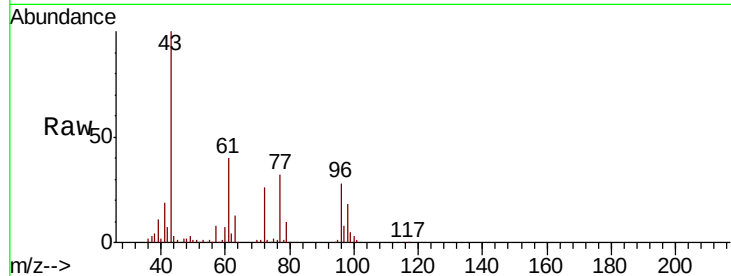
72 26.0 20.2 30.2

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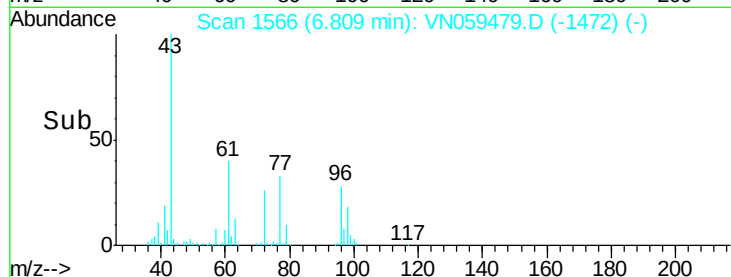
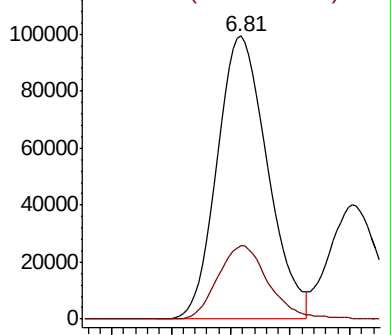
apatel

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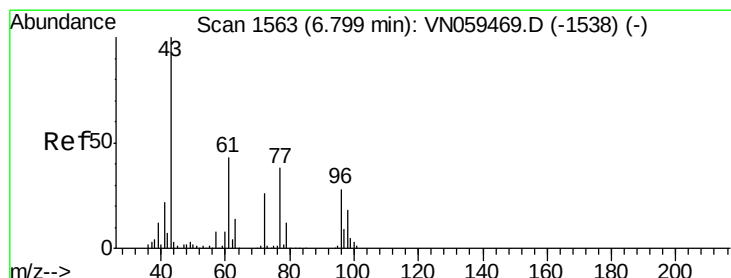


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#26

2,2-Dichloropropane

Concen: 18.328 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059479.D

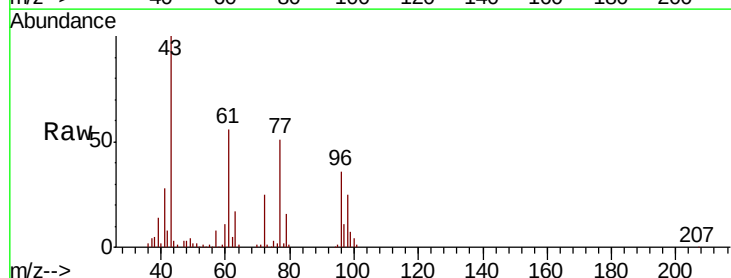
Acq: 4 Dec 2019 11:34

Tgt Ion: 77 Resp: 126810

Ion Ratio Lower Upper

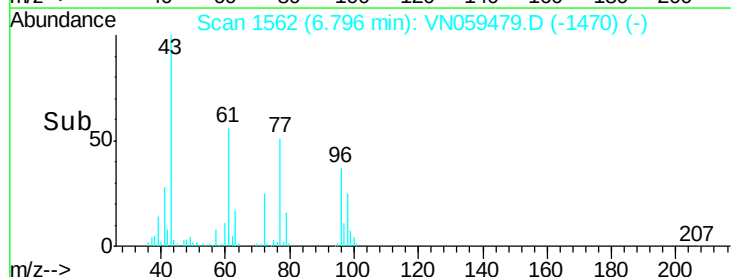
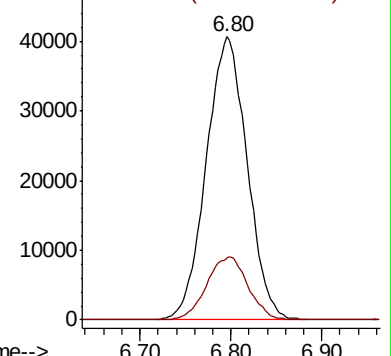
77 100

97 22.4 11.4 34.1

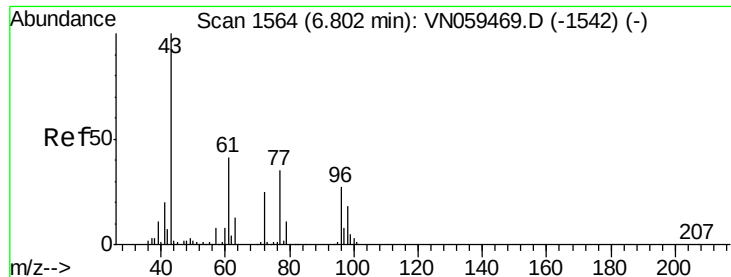


Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



Time-->



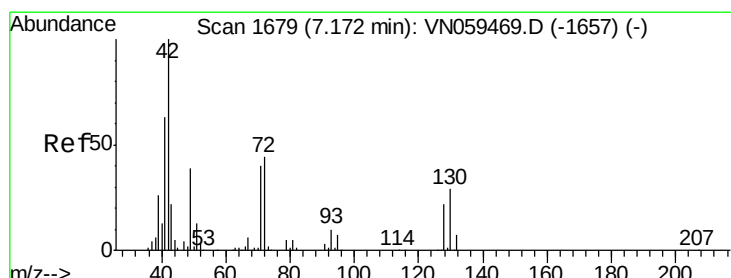
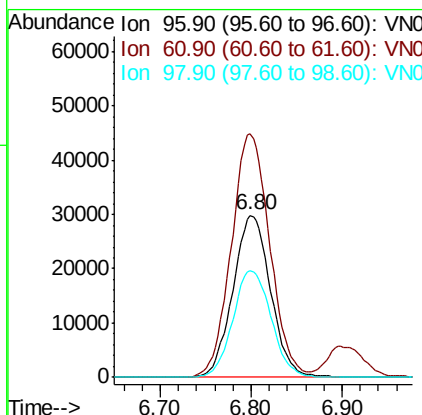
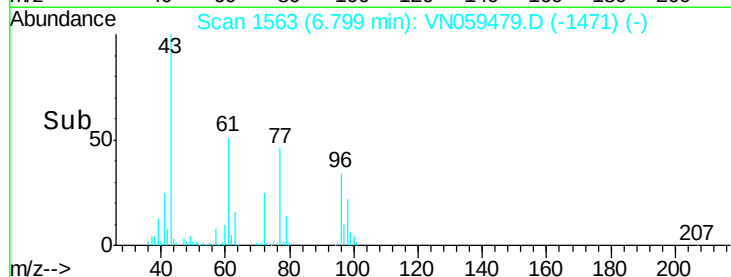
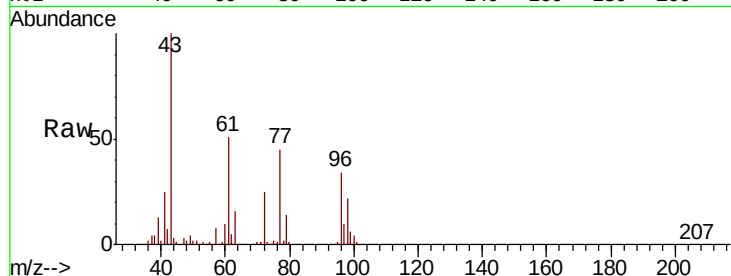
#27
 cis-1,2-Dichloroethene
 Concen: 17.986 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VN059479.D
 Acq: 4 Dec 2019 11:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	153.0	0.0	307.4	
98	66.6	0.0	129.2	

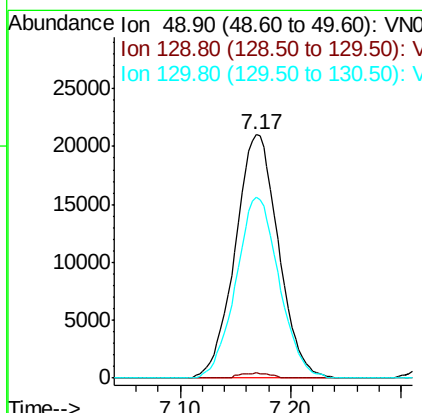
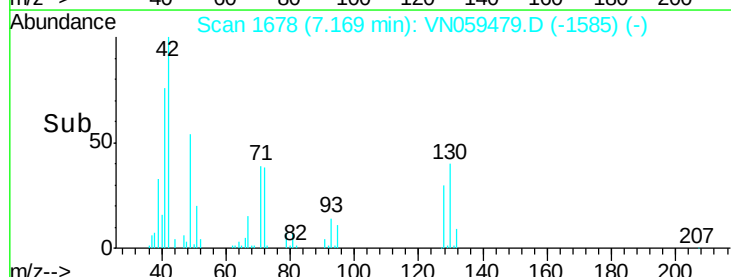
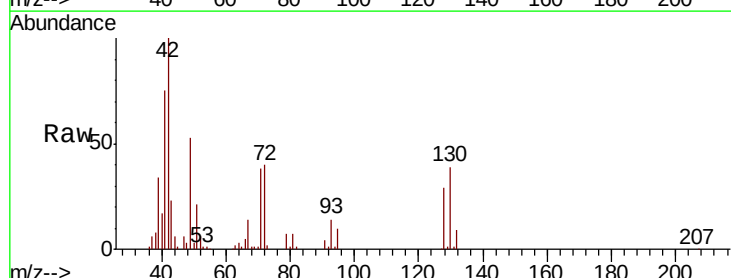
Manual Integrations
 APPROVED

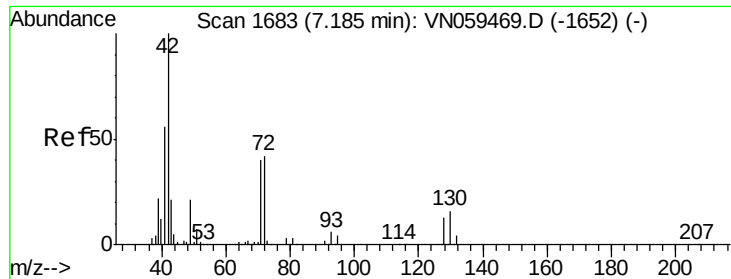
apatel
 12/5/2019 11:19:03 AM



#28
 Bromochloromethane
 Concen: 18.697 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. -0.00 min
 Lab File: VN059479.D
 Acq: 4 Dec 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.4	0.0	3.2	
130	74.0	58.4	87.6	





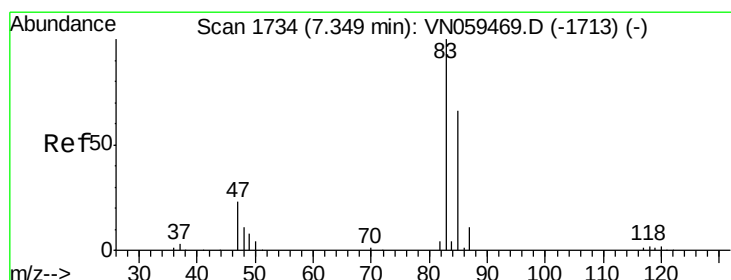
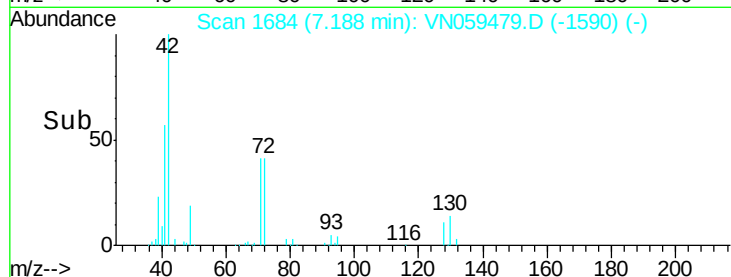
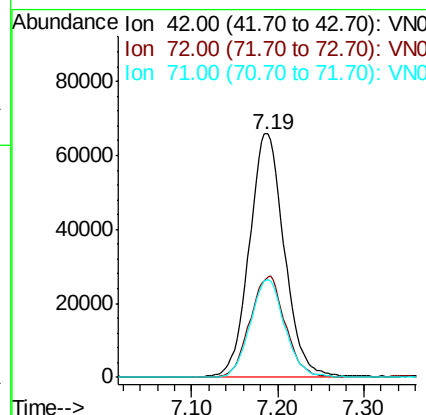
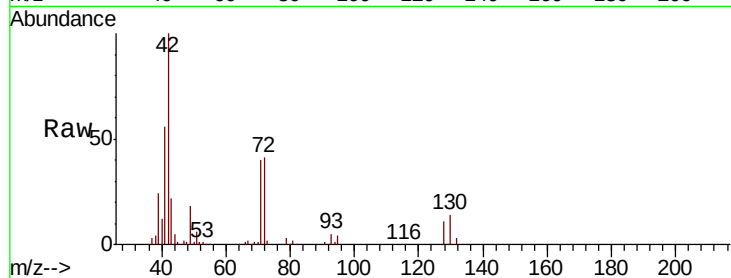
#29
Tetrahydrofuran
Concen: 84.902 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Instrument :
MSVOA_N
ClientSampled :
VN1204WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	34.2	51.2
71	39.6	32.0	48.0

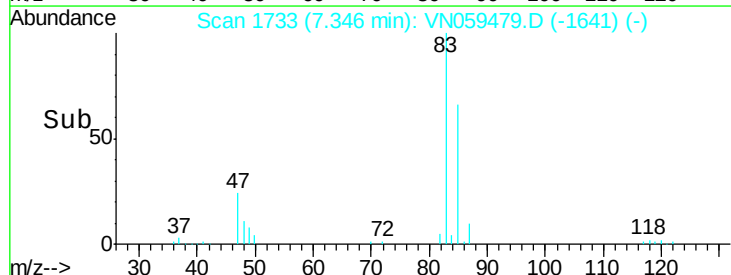
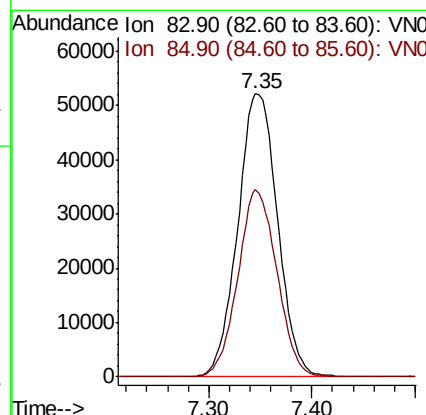
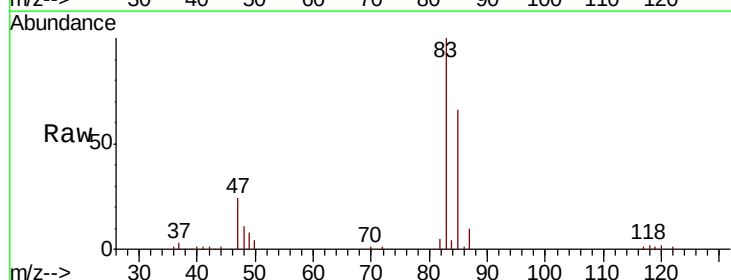
Manual Integrations
APPROVED

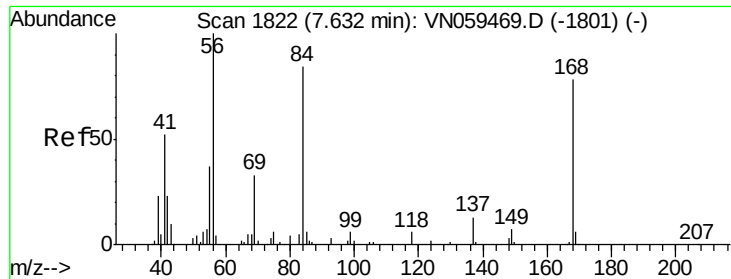
apatel
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#30
Chloroform
Concen: 18.114 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.4	78.6





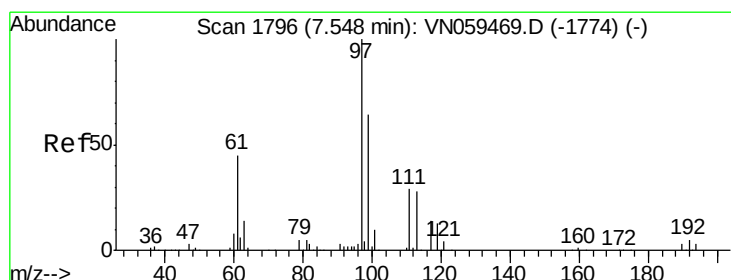
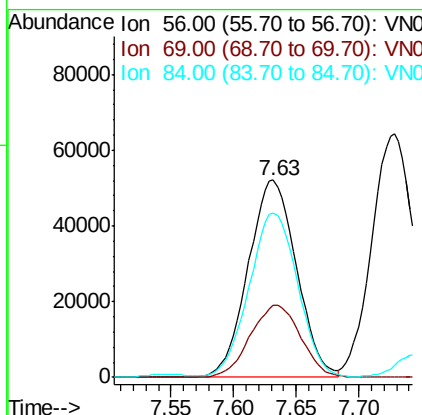
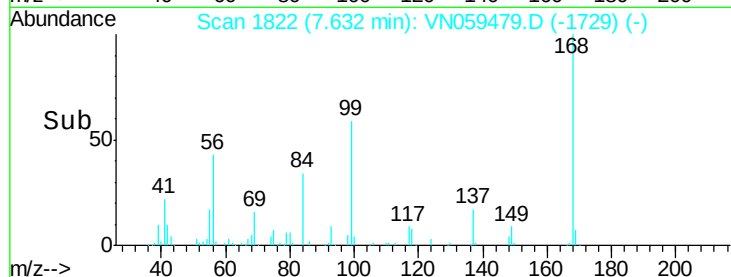
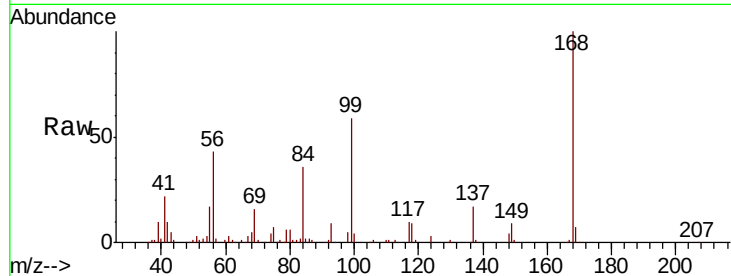
#31
Cyclohexane
Concen: 18.016 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Instrument :
MSVOA_N
ClientSampled :
VN1204WBS01

Tot Ion	56	Resp	139644
Ion Ratio	100	Lower	Upper
56	100		
69	36.3	26.2	39.4
84	82.5	66.8	100.2

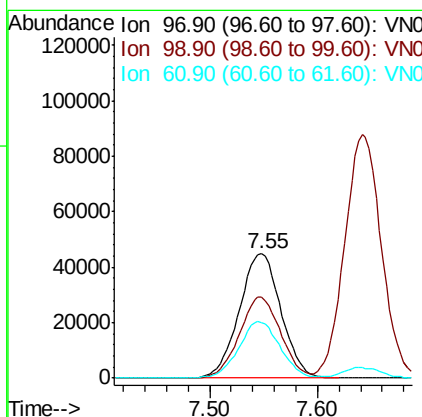
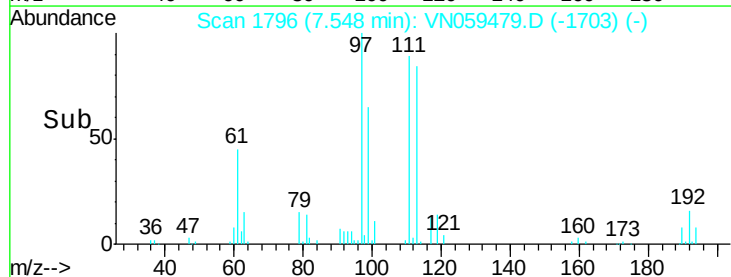
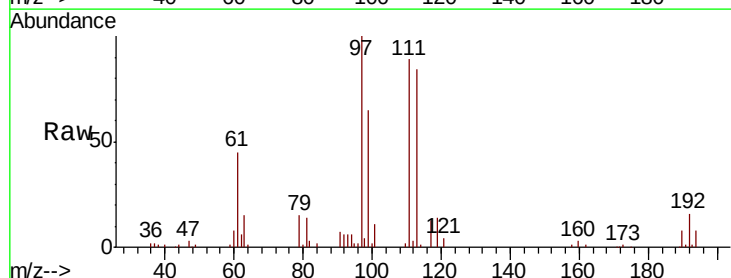
Manual Integrations
APPROVED

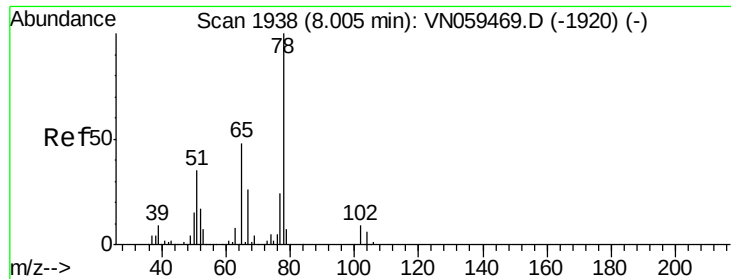
apatel
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#32
1,1,1-Trichloroethane
Concen: 17.947 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Tgt Ion	97	Resp	120480
Ion Ratio	100	Lower	Upper
97	100		
99	64.3	51.7	77.5
61	45.2	35.4	53.0





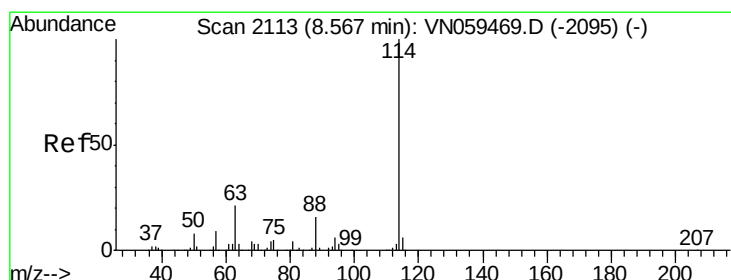
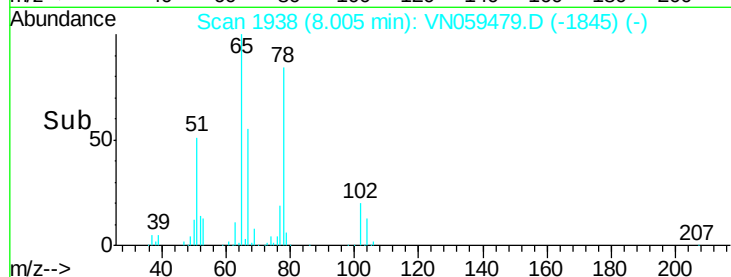
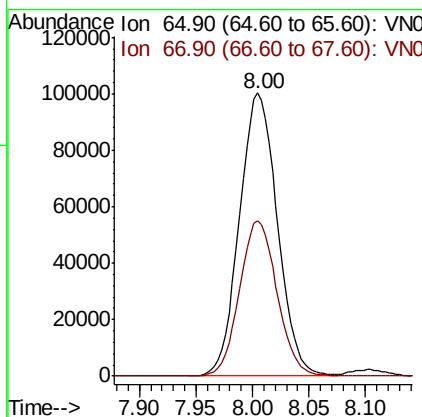
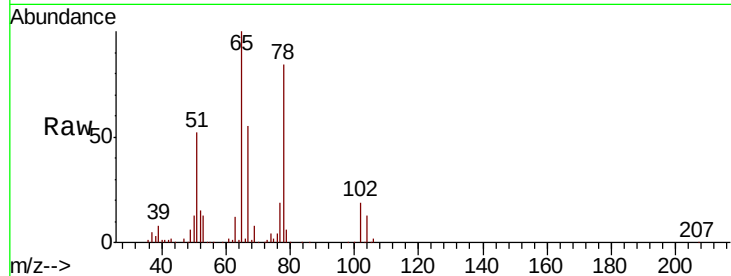
#33
 1,2-Dichloroethane-d4
 Concen: 50.962 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059479.D
 Acq: 4 Dec 2019 11:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	234458		
67	54.1	0.0	107.4	

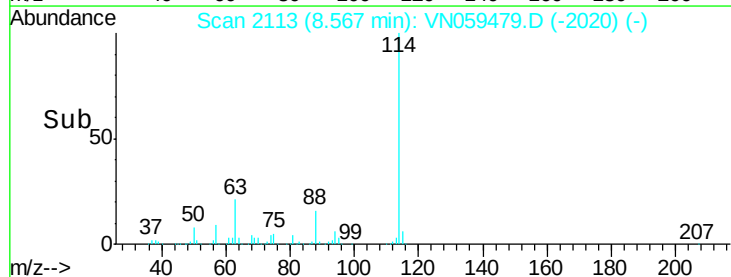
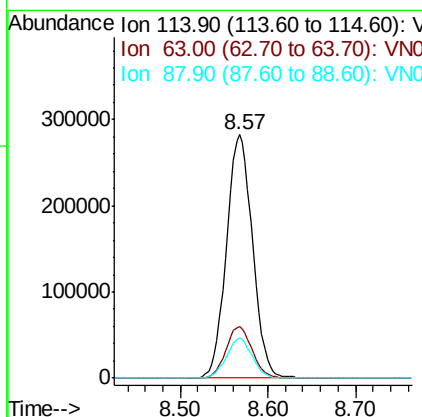
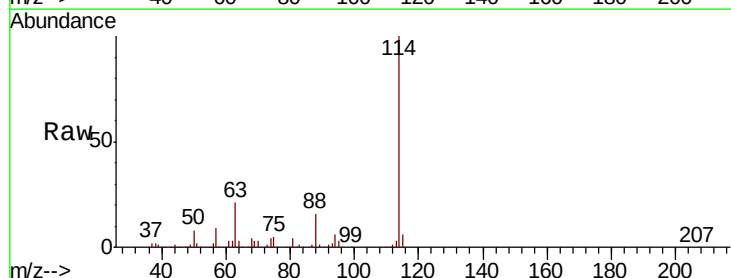
Manual Integrations
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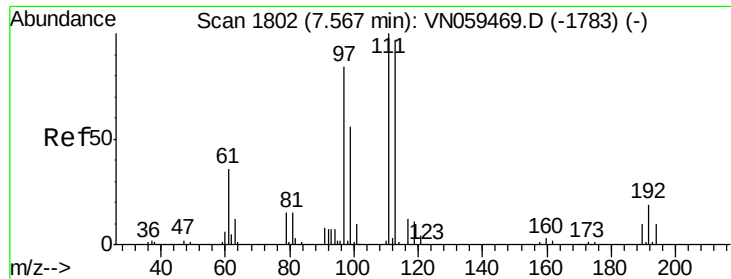
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059479.D
 Acq: 4 Dec 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	583310		
63	21.1	0.0	42.4	
88	16.4	0.0	32.8	





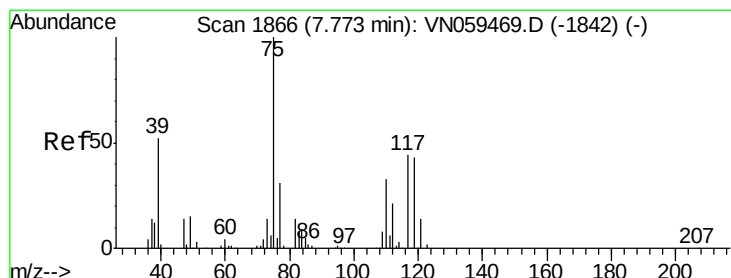
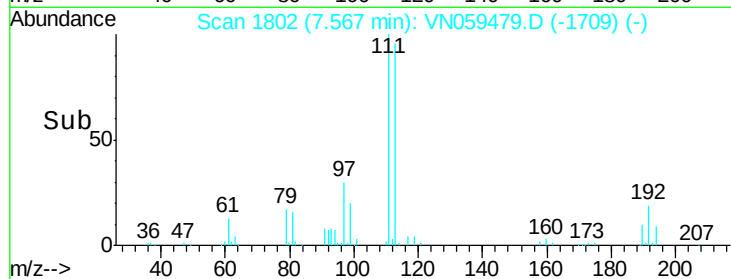
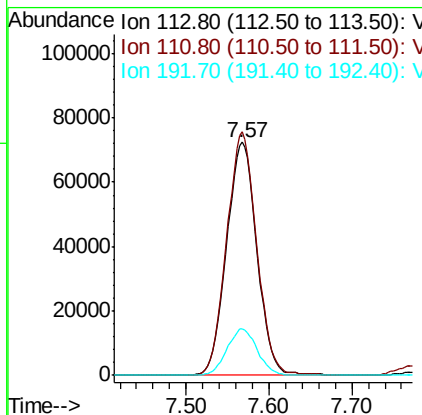
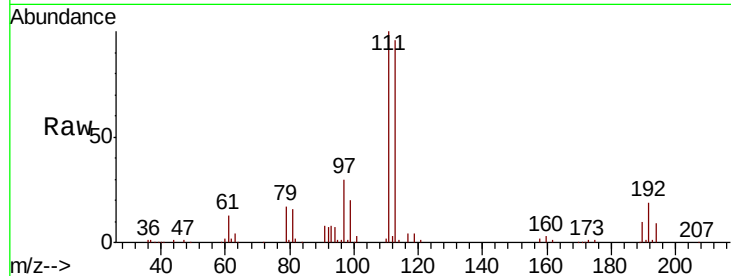
#35
 Dibromofluoromethane
 Concen: 50.751 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059479.D
 Acq: 4 Dec 2019 11:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	184378		
111	103.4	82.5	123.7	
192	19.9	16.1	24.1	

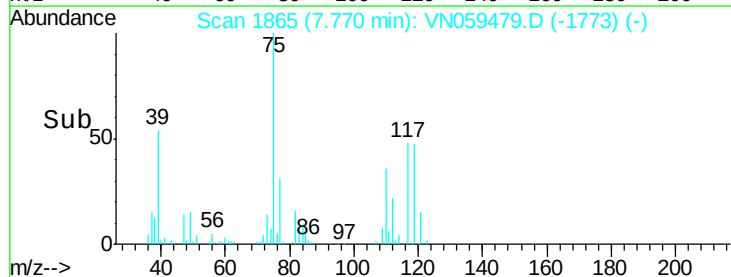
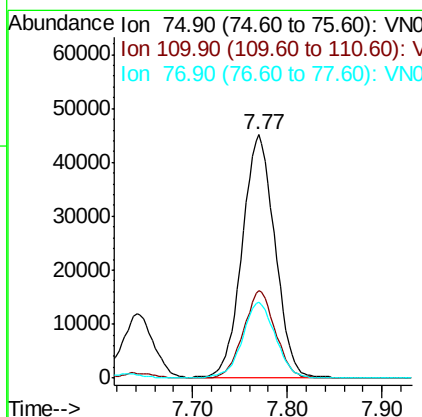
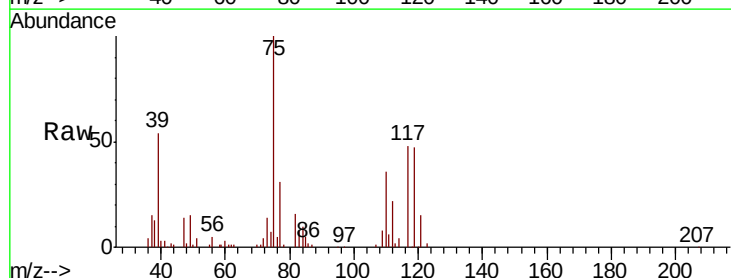
Manual Integrations
 APPROVED

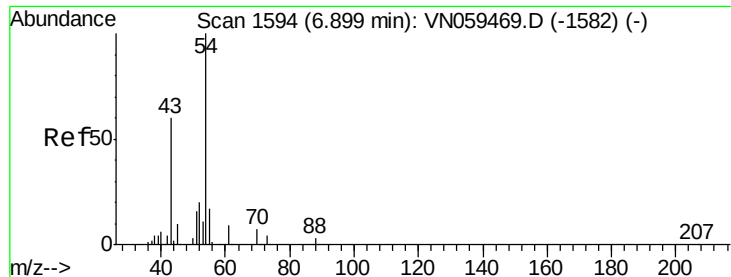
apatel
 12/5/2019 11:19:03 AM



#36
 1,1-Dichloropropene
 Concen: 17.902 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059479.D
 Acq: 4 Dec 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	108666		
110	34.8	16.9	50.7	
77	31.5	25.1	37.7	





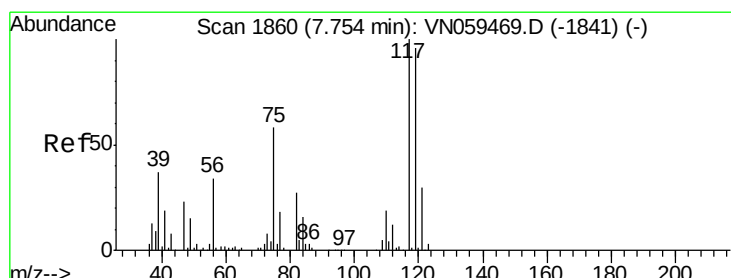
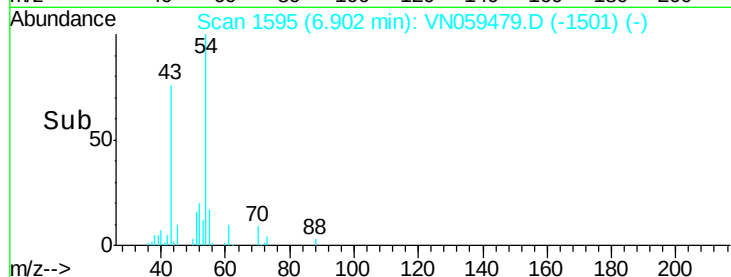
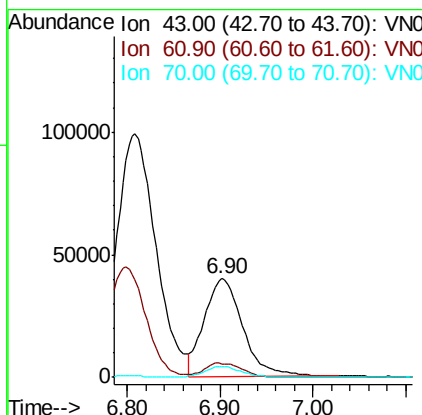
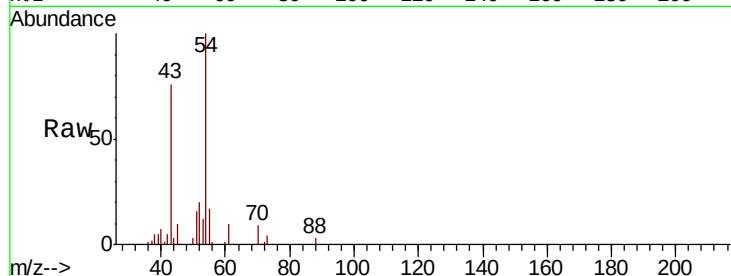
#37
Ethyl Acetate
Concen: 17.044 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	14.6	11.3	16.9	
70	10.5	8.3	12.5	

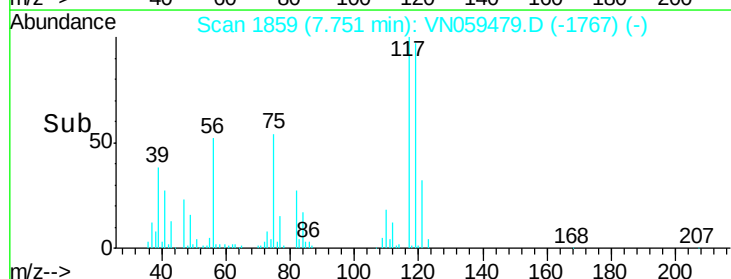
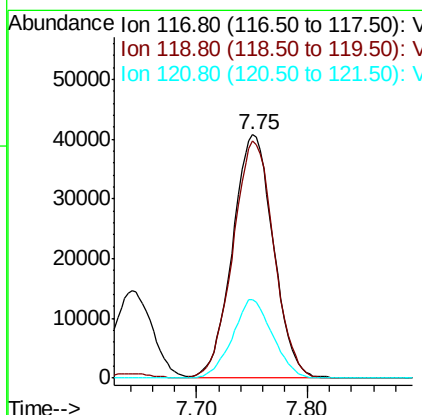
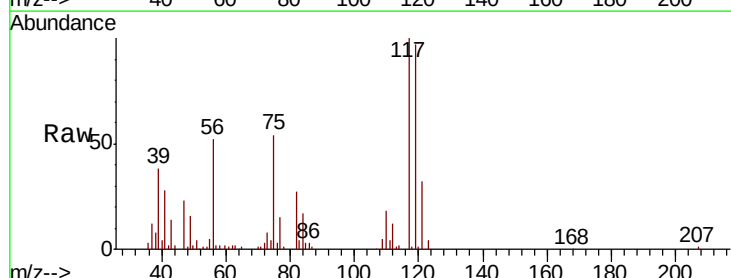
Manual Integrations
APPROVED

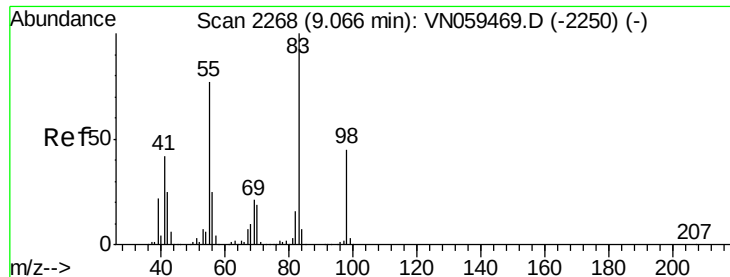
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#38
Carbon Tetrachloride
Concen: 17.923 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.4	76.6	114.8	
121	32.2	24.0	36.0	





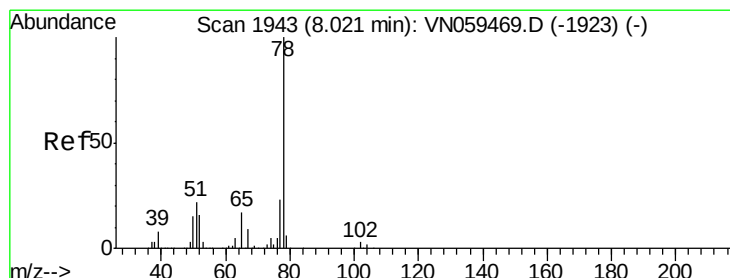
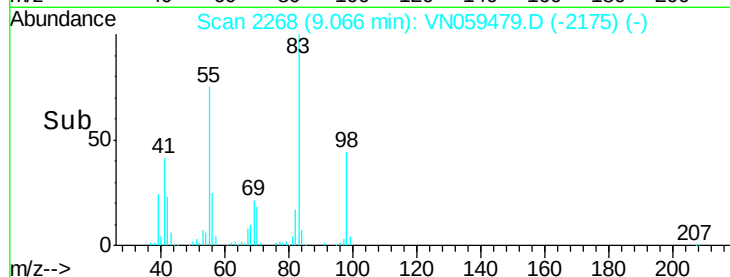
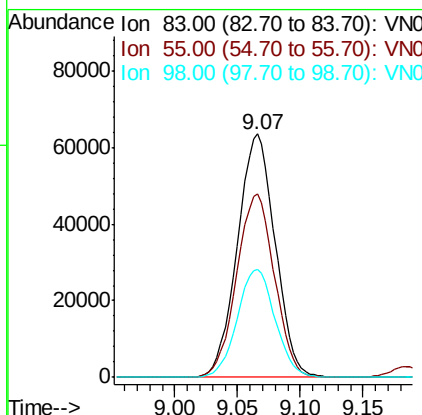
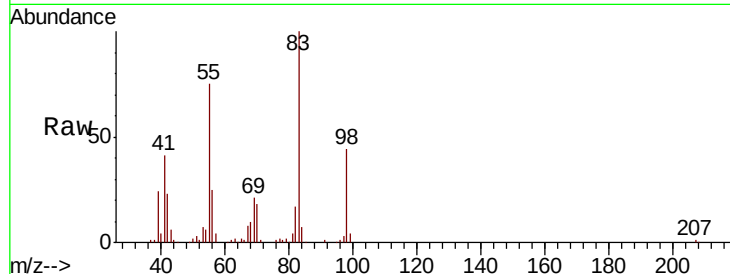
#39
Methylvlcyclohexane
Concen: 18.224 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion	83.00	Resp	133122
Ion Ratio	Lower	Upper	
83	100		
55	75.4	61.8	92.6
98	44.3	36.2	54.2

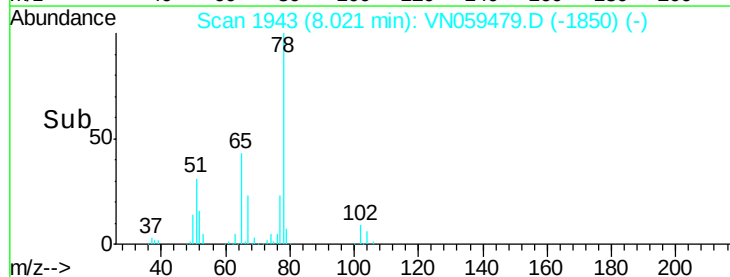
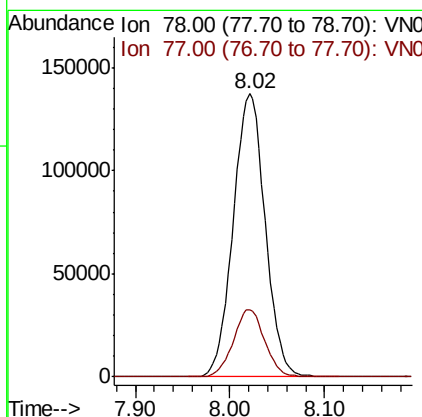
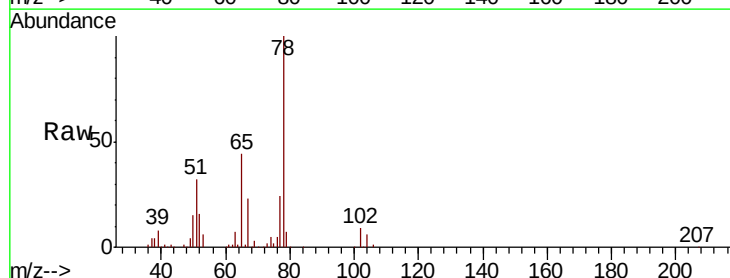
Manual Integrations
APPROVED

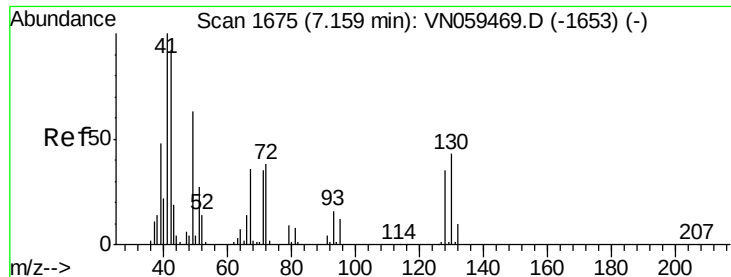
apatel
12/5/2019 11:19:03 AM



#40
Benzene
Concen: 18.129 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Tgt Ion	78.00	Resp	322253
Ion Ratio	Lower	Upper	
78	100		
77	23.7	18.2	27.2





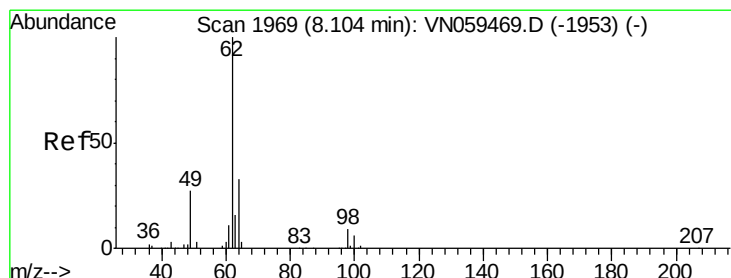
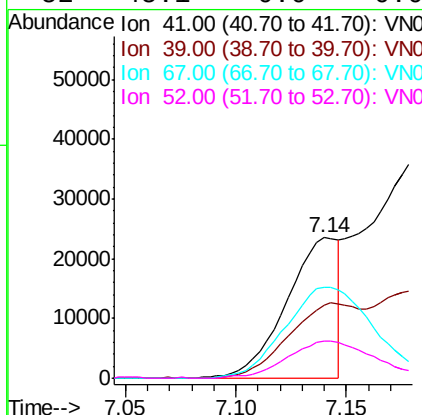
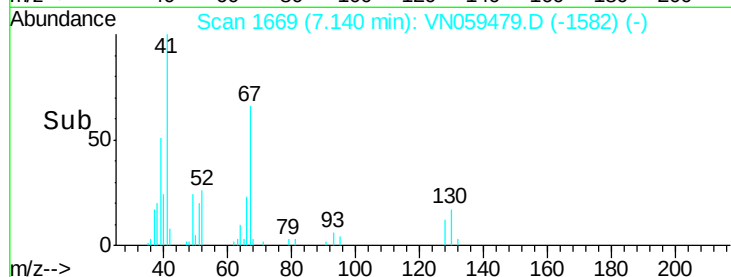
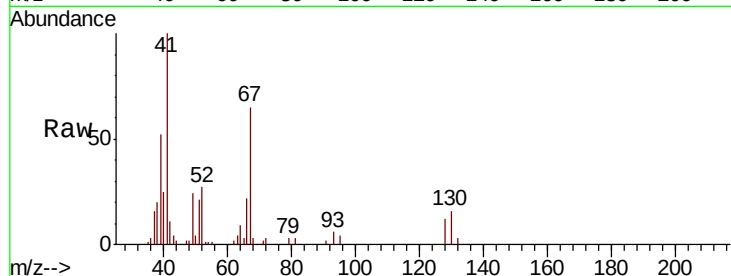
#41
Methacrylonitrile
Concen: 14.112 ug/l
RT: 7.14 min Scan# 1669
Delta R.T. -0.02 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	75.6	0.0	0.0#
67	112.2	0.0	0.0#
52	45.1	0.0	0.0#

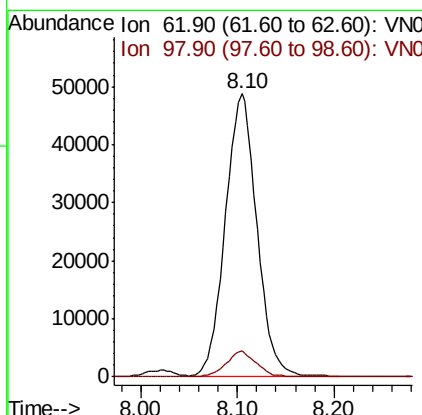
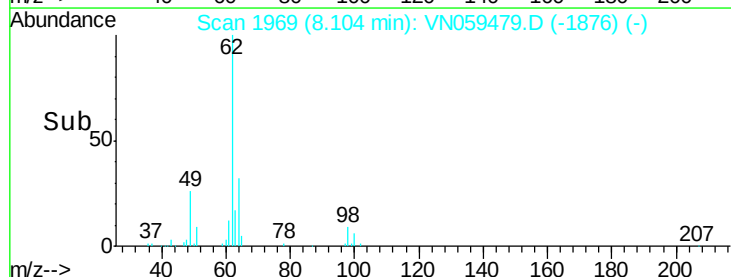
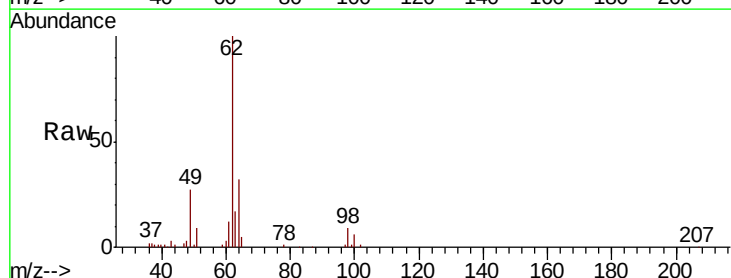
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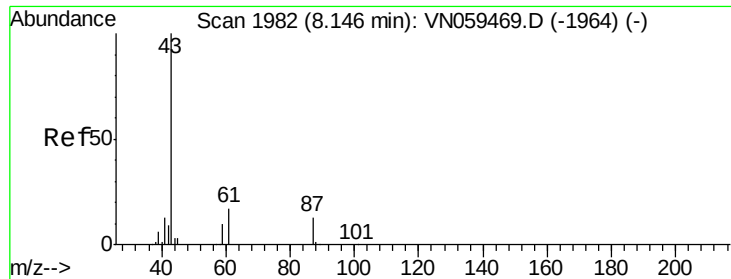
apatel
12/5/2019 11:19:03 AM



#42
1,2-Dichloroethane
Concen: 18.339 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.8





#43

Isopropyl Acetate

Concen: 17.611 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

Instrument :

MSVOA_N

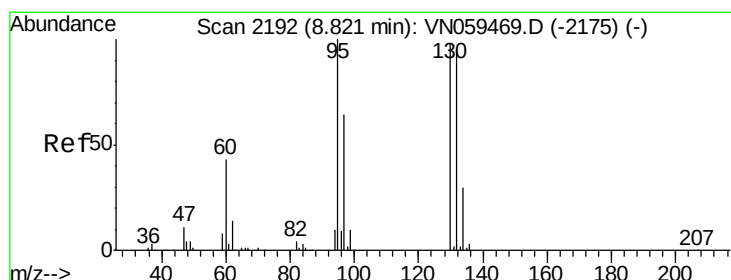
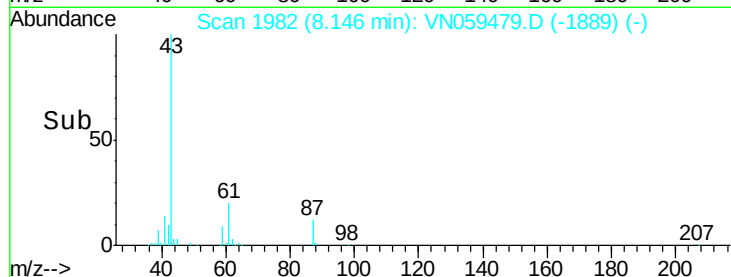
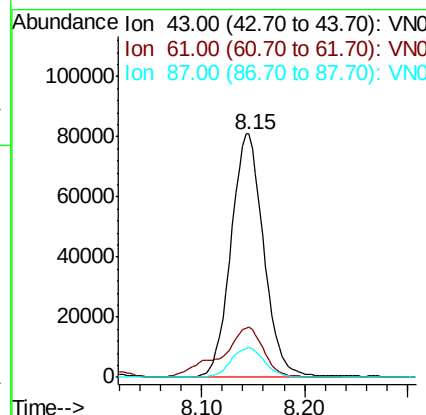
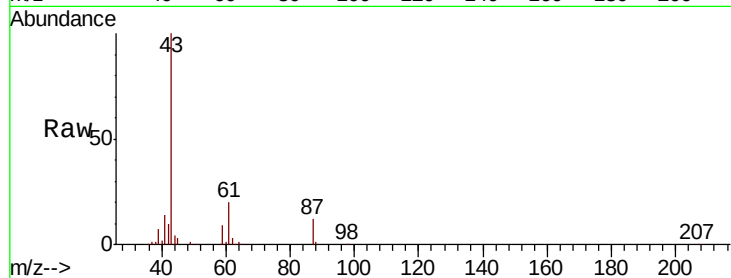
ClientSampled :

VN1204WBS01

Tot Ion:	43	Resp:	177597
Ion	Ratio	Lower	Upper
43	100		
61	27.0	21.0	31.6
87	12.5	10.4	15.6

Manual Integrations
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#44

Trichloroethene

Concen: 17.483 ug/l

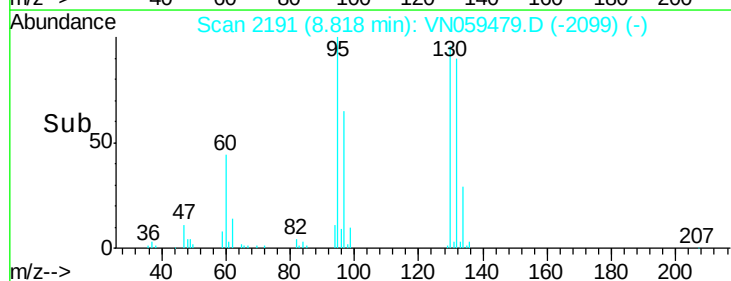
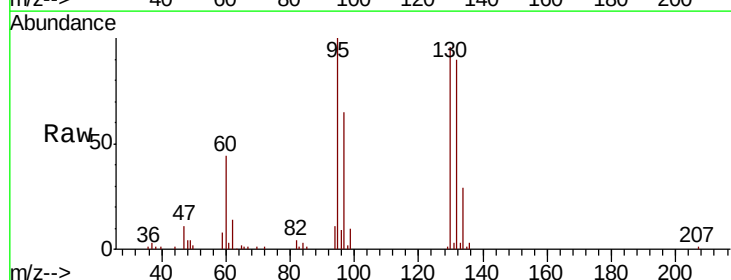
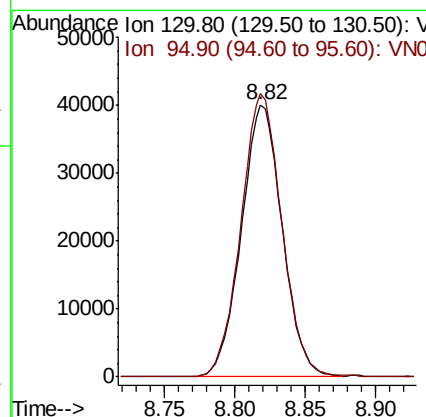
RT: 8.82 min Scan# 2191

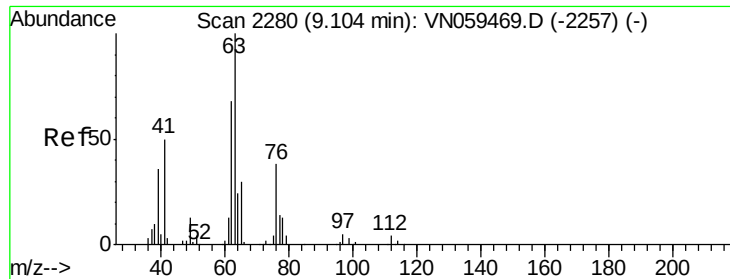
Delta R.T. -0.00 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

Tgt Ion:	130	Resp:	81210
Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	203.6





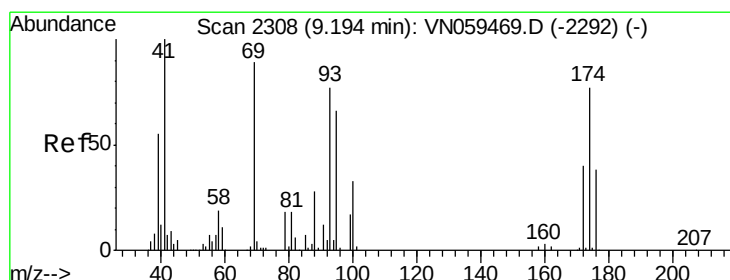
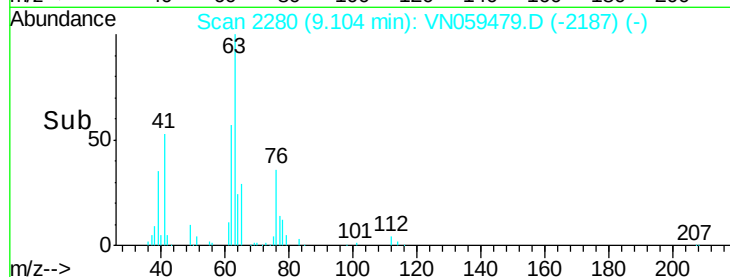
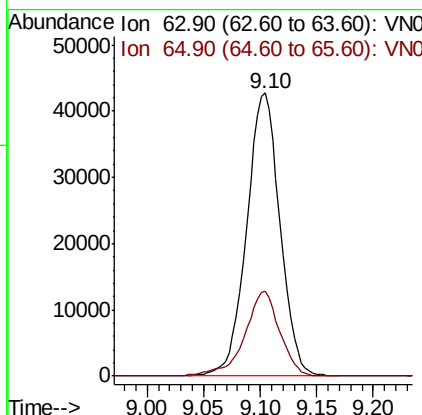
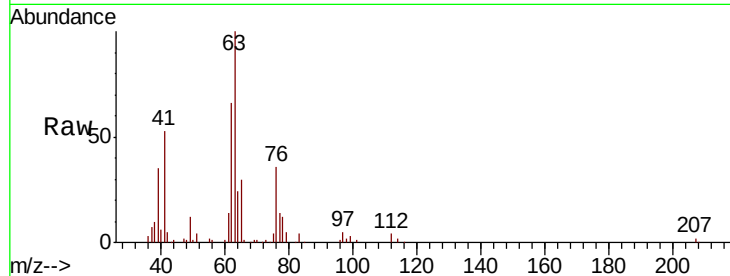
#45
 1,2-Dichloropropane
 Concen: 18.421 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN059479.D
 Acq: 4 Dec 2019 11:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tot Ion: 63 Resp: 87478
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.4 36.6

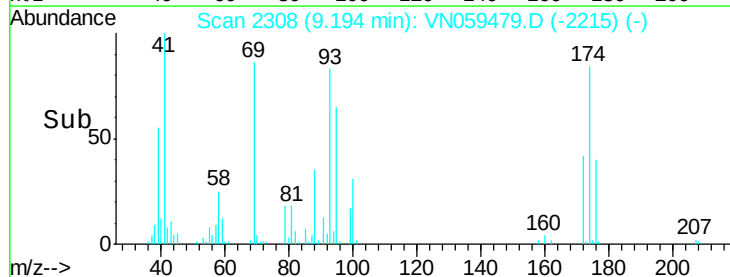
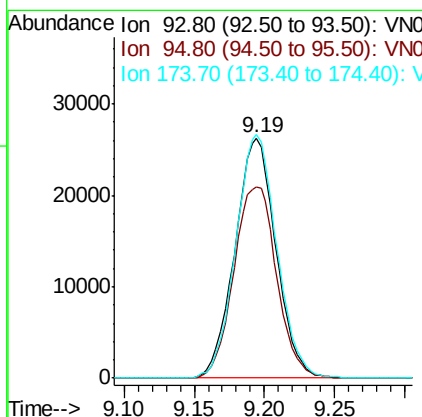
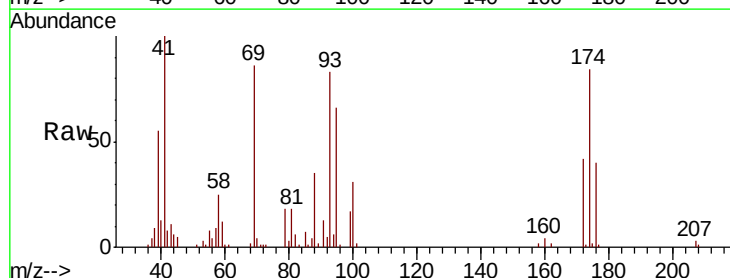
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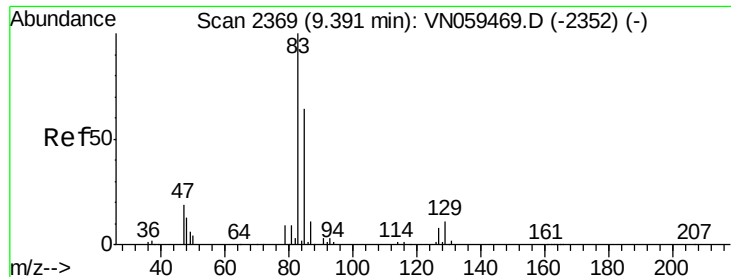
apatel
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#46
 Dibromomethane
 Concen: 18.079 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN059479.D
 Acq: 4 Dec 2019 11:34

Tgt Ion: 93 Resp: 53453
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.0 100.6
 174 101.5 79.6 119.4





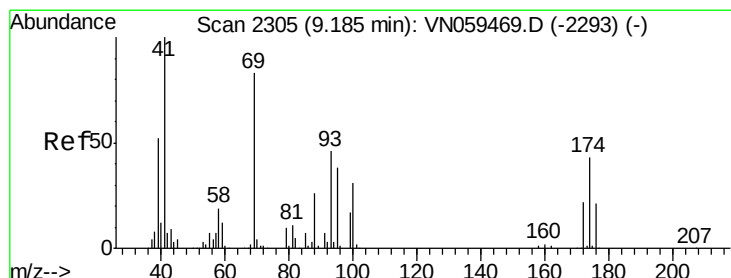
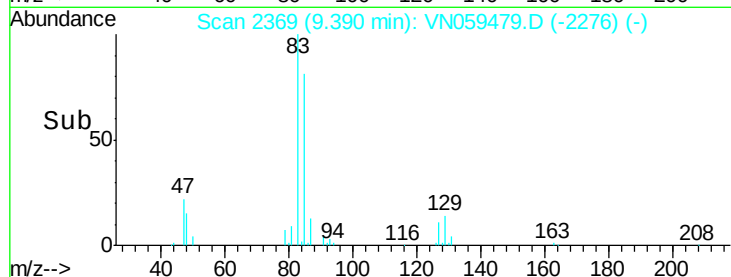
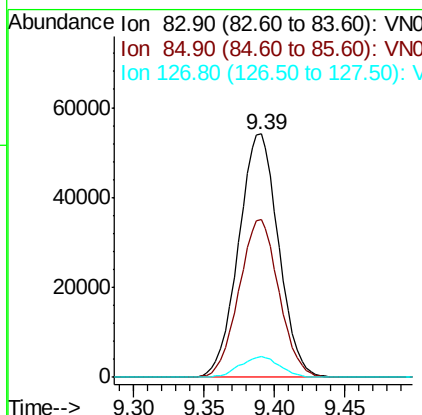
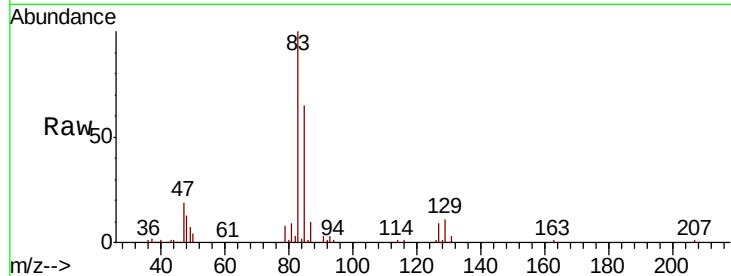
#47
Bromodichloromethane
Concen: 18.119 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion	83	Resp	107416
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	51.0	76.6
127	8.6	6.6	9.8

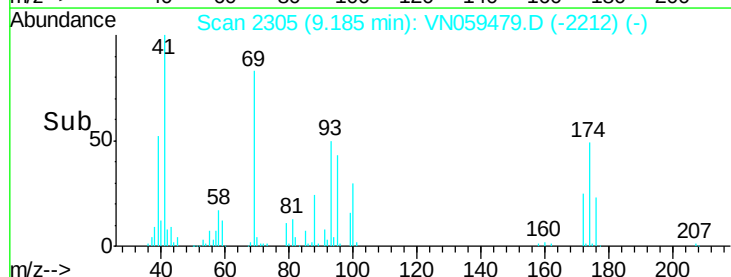
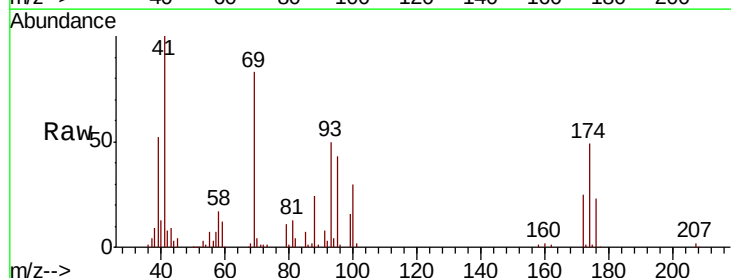
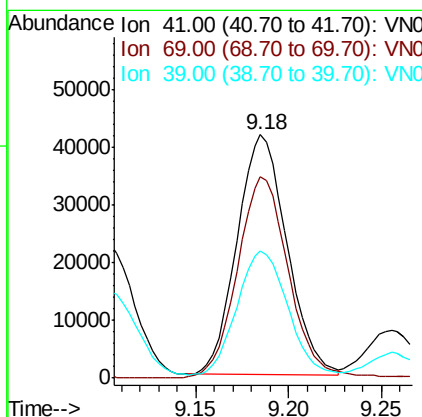
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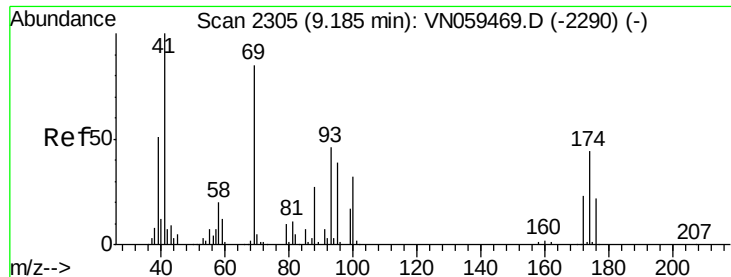
apatel
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#48
Methyl methacrylate
Concen: 17.085 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Tgt Ion	41	Resp	77730
Ion Ratio	100	Lower	Upper
41	100		
69	86.1	68.6	103.0
39	52.3	43.2	64.8





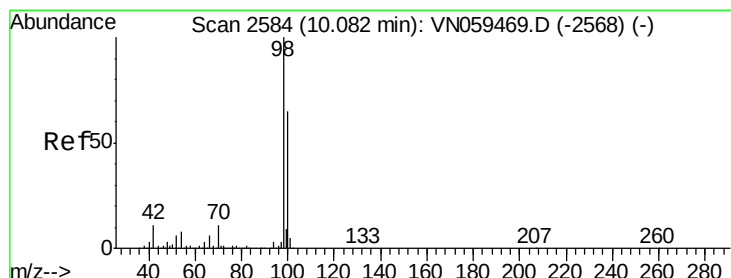
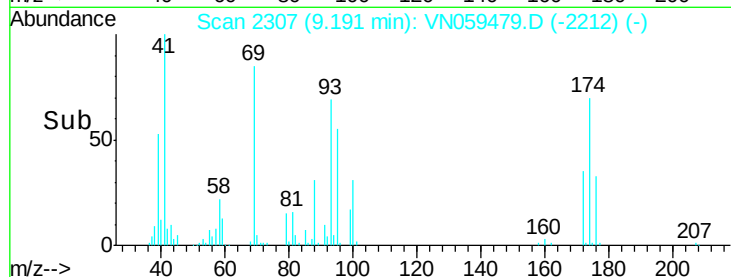
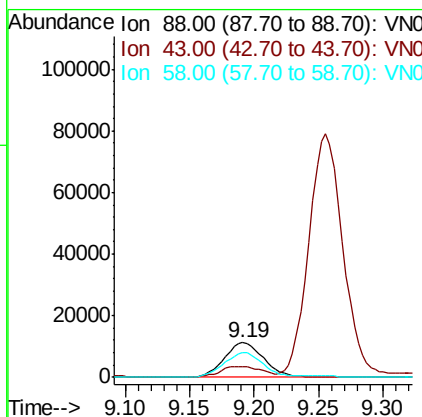
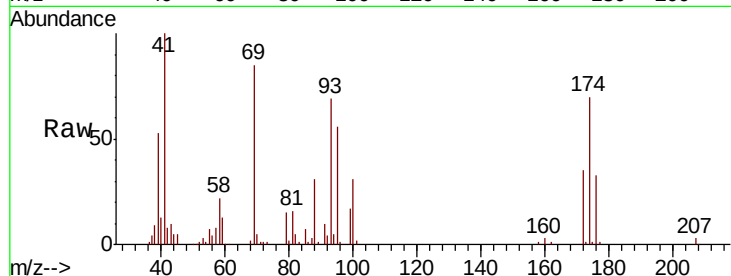
#49
1,4-Dioxane
Concen: 351.256 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.01 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Instrument :
MSVOA_N
ClientSampled :
VN1204WBS01

Tot Ion	88	Resp	24182
Ion	Ratio	Lower	Upper
88	100		
43	34.0	27.1	40.7
58	70.9	57.8	86.6

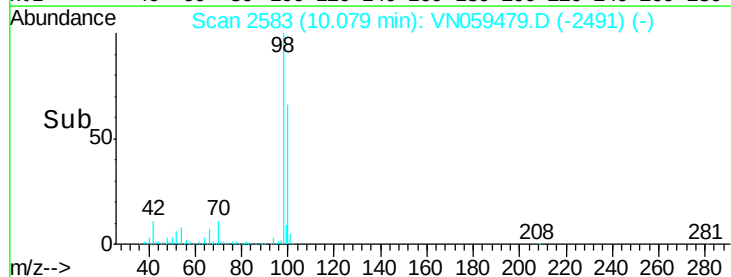
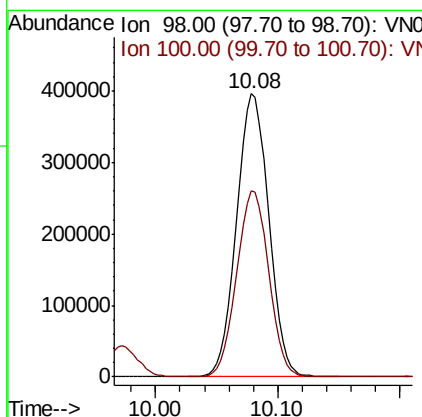
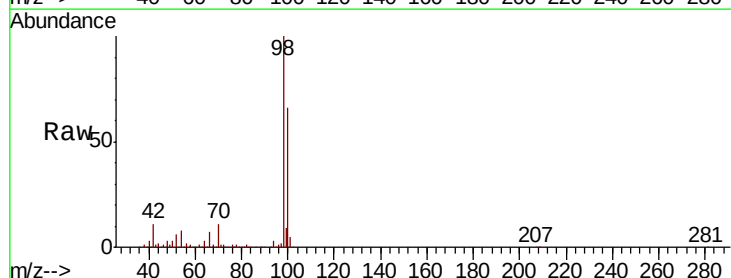
Manual Integrations
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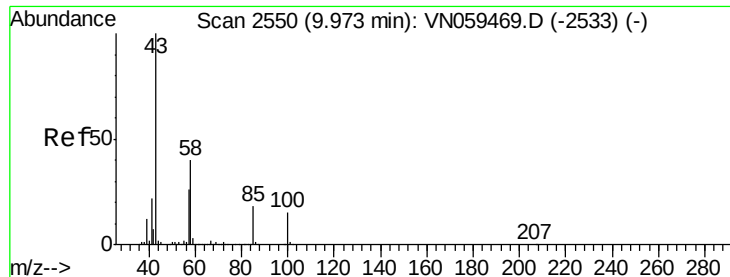
apatel
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#50
Toluene-d8
Concen: 50.491 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Tgt Ion	98	Resp	723236
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.1	78.1





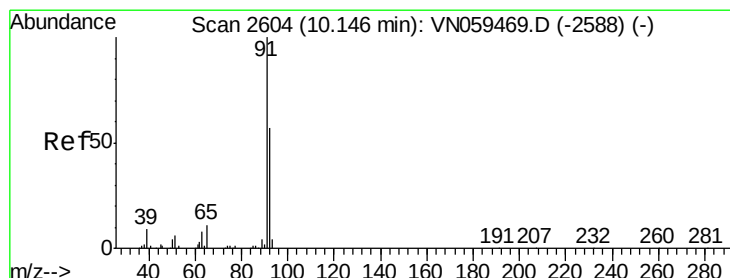
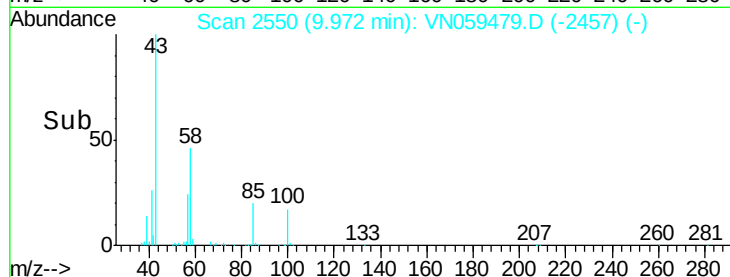
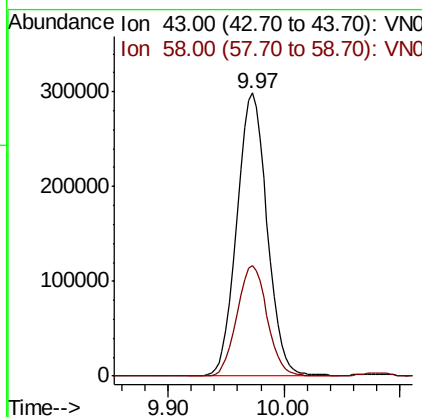
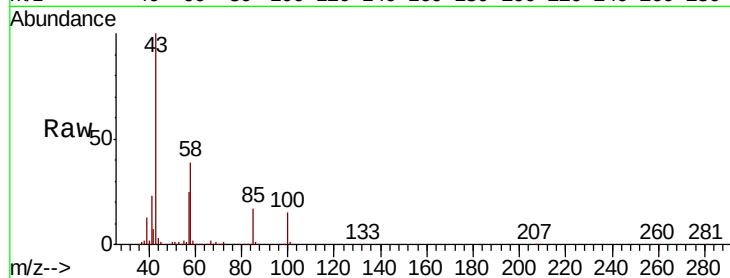
#51
4-Methyl-2-Pentanone
Concen: 90.161 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion	43	Resp	539708
Ion Ratio	100	Lower	Upper
58	39.1	32.1	48.1

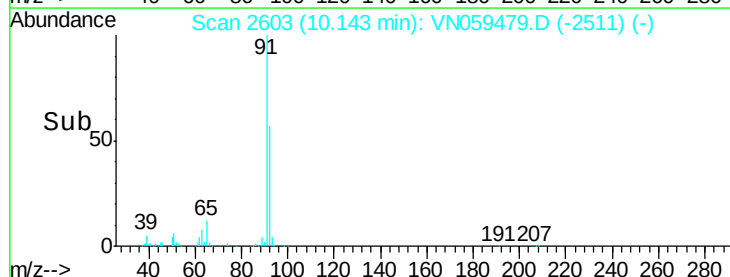
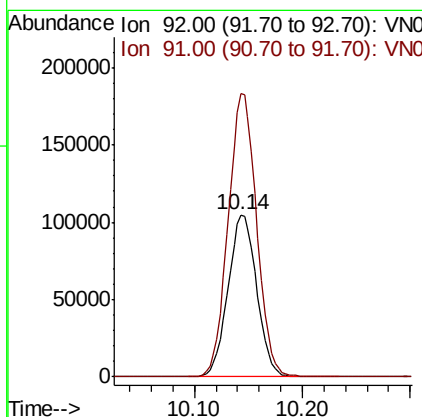
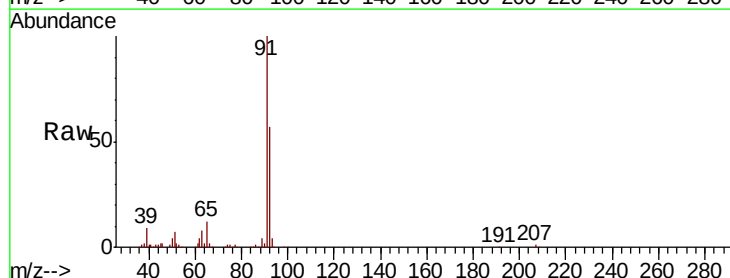
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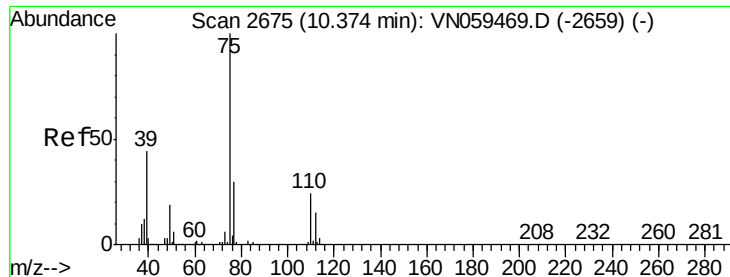
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#52
Toluene
Concen: 18.061 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Tgt Ion	92	Resp	194166
Ion Ratio	100	Lower	Upper
91	173.3	138.6	208.0





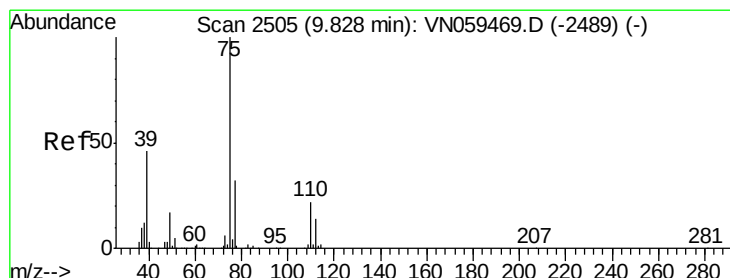
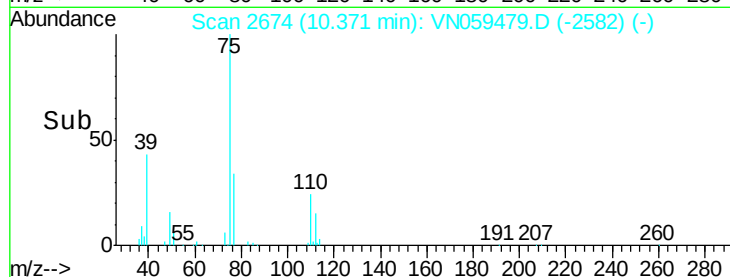
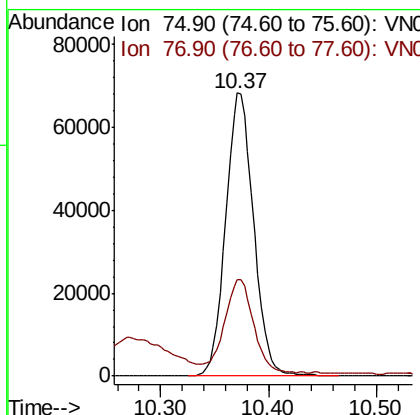
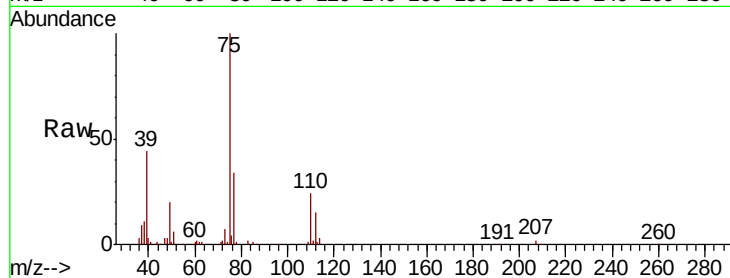
#53
t-1,3-Dichloropropene
Concen: 17.657 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Instrument :
MSVOA_N
ClientSampled :
VN1204WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.0	37.6

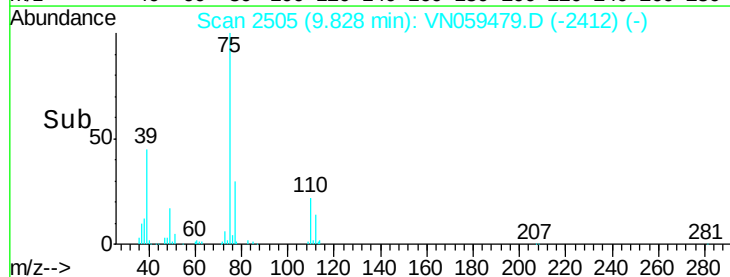
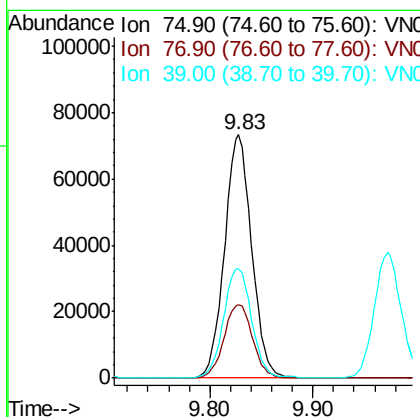
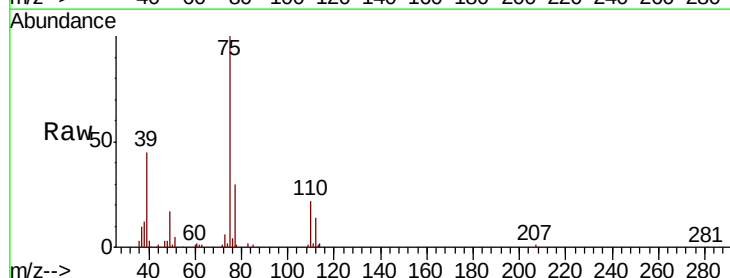
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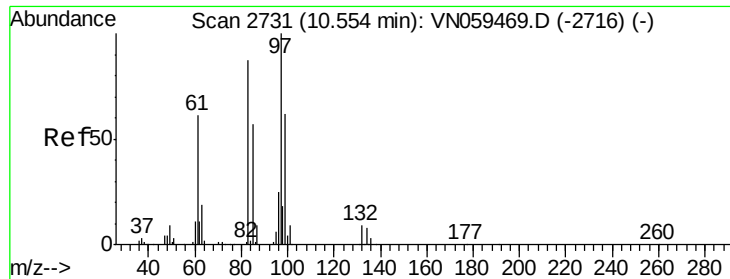
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#54
cis-1,3-Dichloropropene
Concen: 18.172 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.7	38.5
39	44.9	36.6	54.8





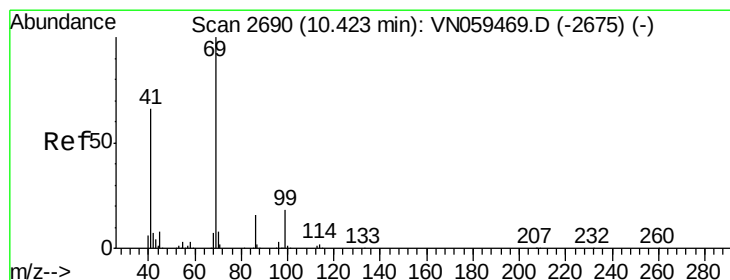
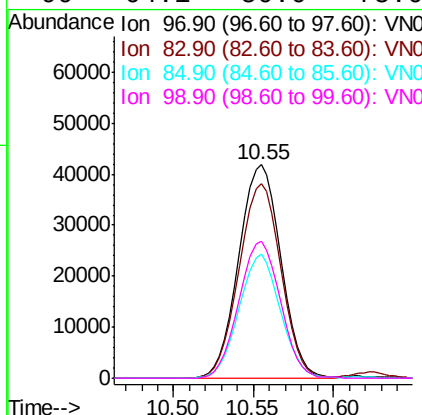
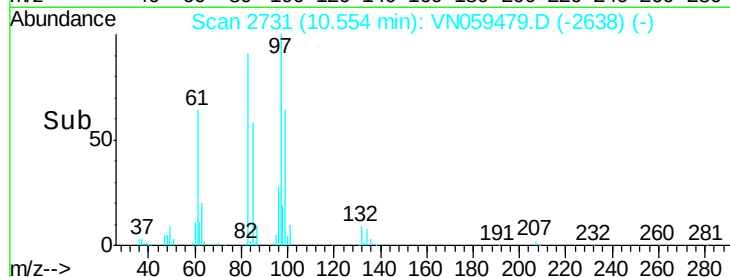
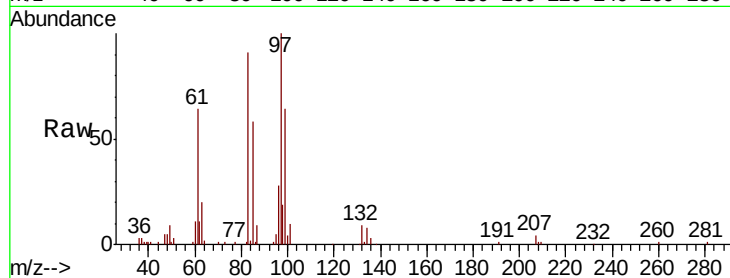
#55
 1,1,2-Trichloroethane
 Concen: 17.814 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059479.D
 Acq: 4 Dec 2019 11:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	91.3	69.8	104.8
85	57.9	45.5	68.3
99	64.1	50.0	75.0

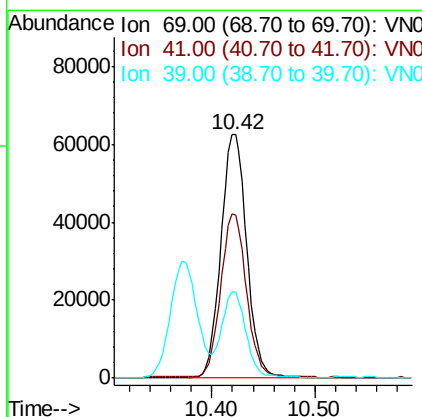
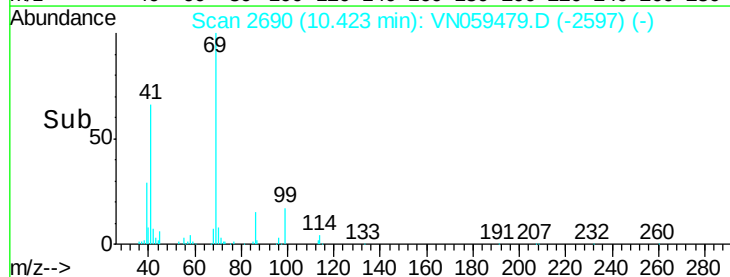
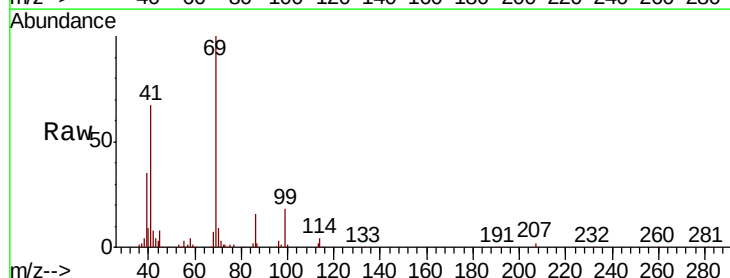
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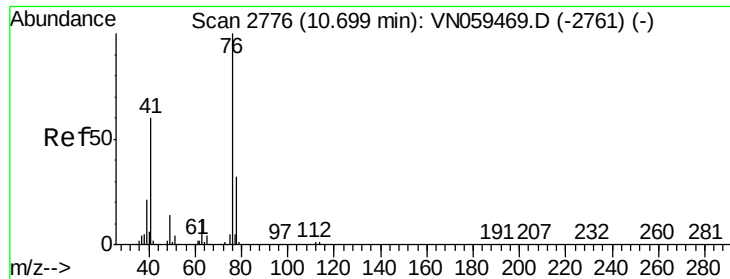
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#56
 Ethyl methacrylate
 Concen: 16.952 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059479.D
 Acq: 4 Dec 2019 11:34

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.7	52.7	79.1
39	32.9	25.0	37.6





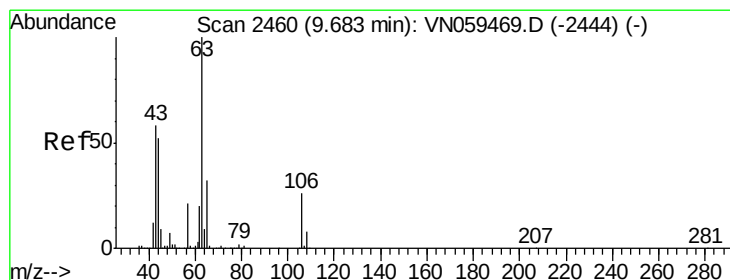
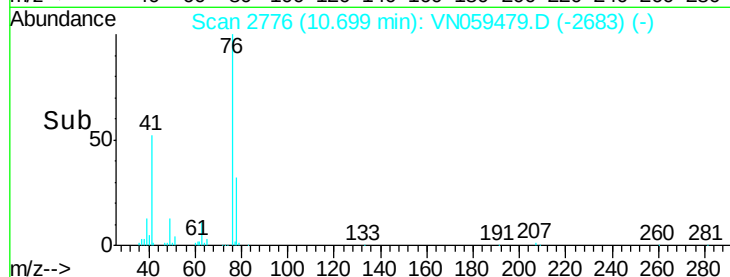
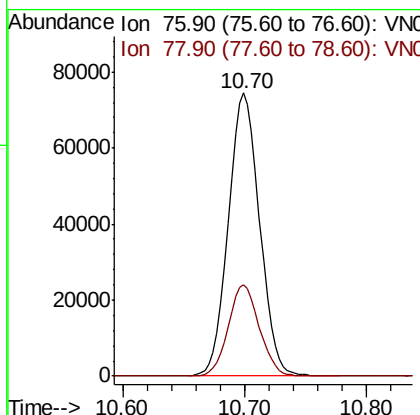
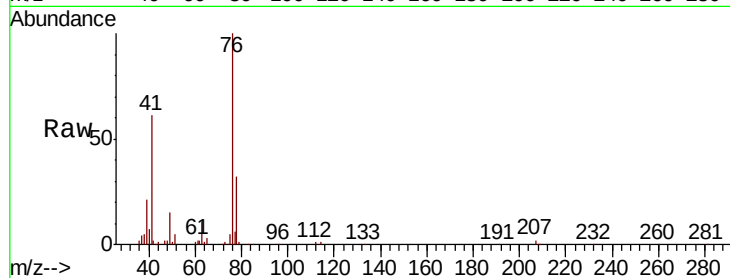
#57
 1,3-Dichloropropane
 Concen: 18.162 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN059479.D
 Acq: 4 Dec 2019 11:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8

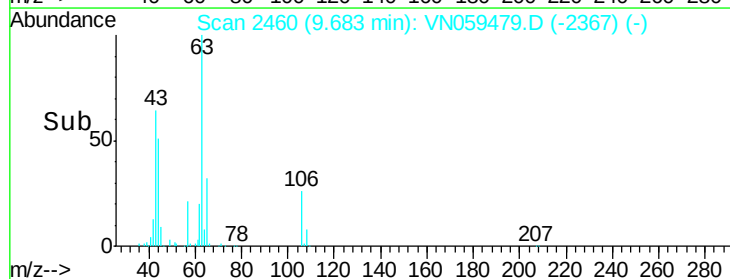
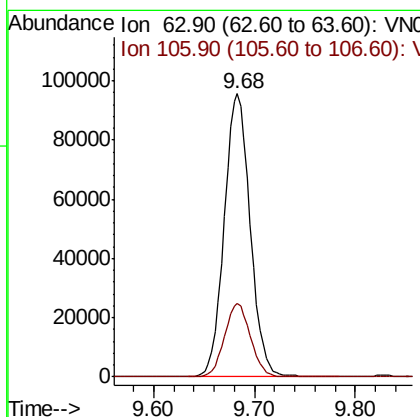
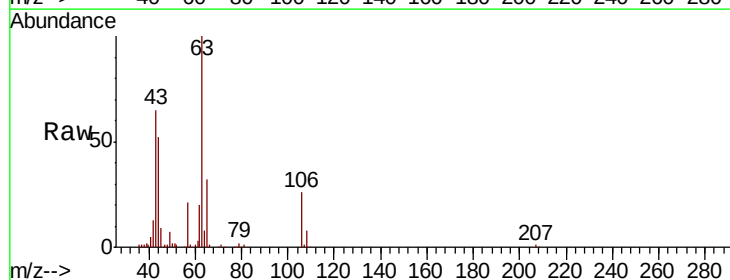
Manual Integrations
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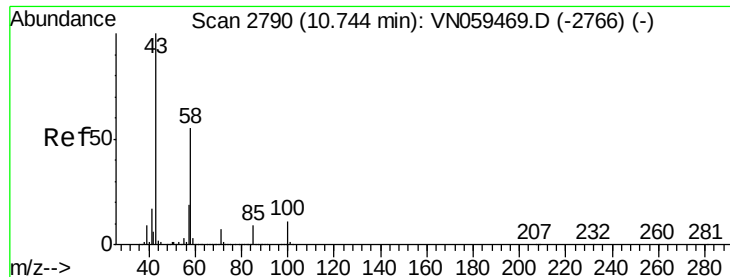
apatel
 12/5/2019 11:19:03 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 84.595 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN059479.D
 Acq: 4 Dec 2019 11:34

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.8	20.4	30.6





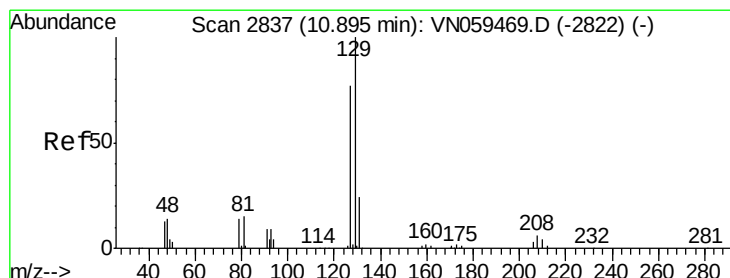
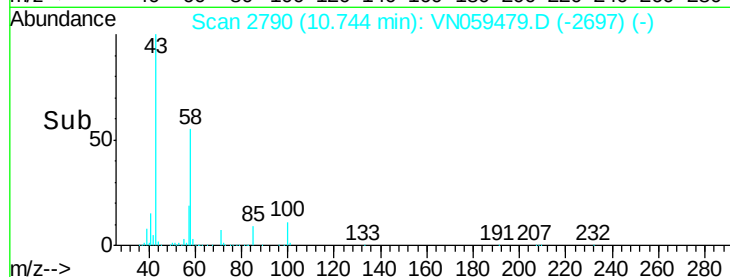
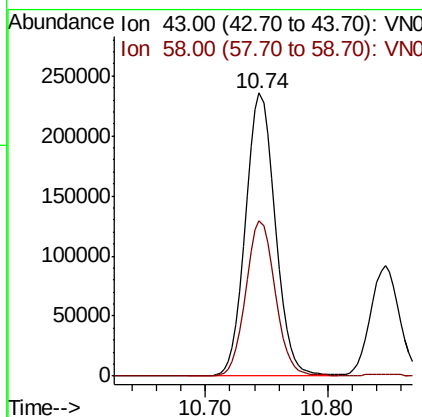
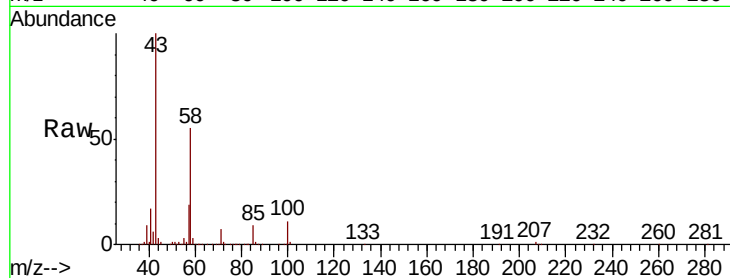
#59
2-Hexanone
Concen: 87.726 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion: 43 Resp: 395200
Ion Ratio Lower Upper
43 100
58 54.4 27.7 83.0

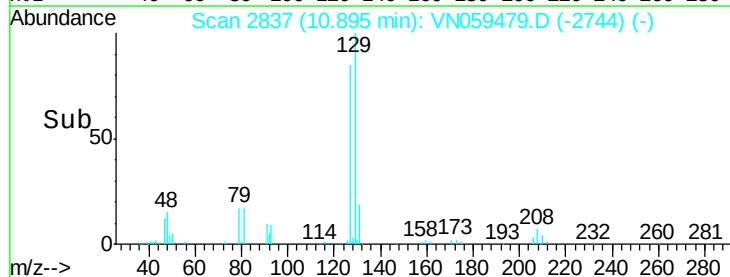
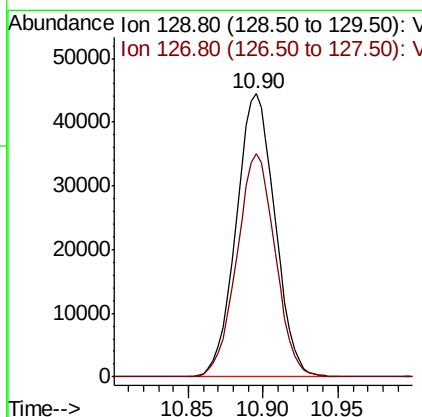
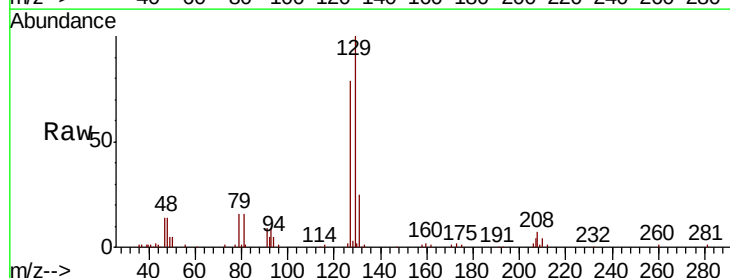
Manual Integrations
APPROVED

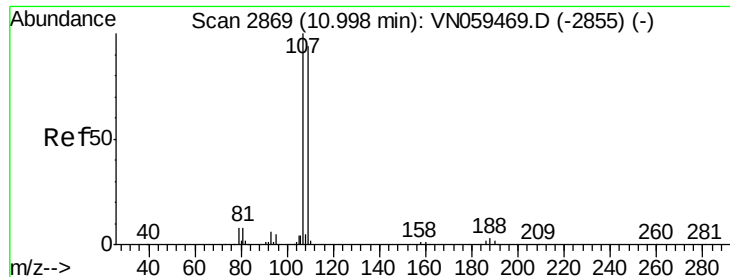
apatel
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#60
Dibromochloromethane
Concen: 17.687 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Tgt Ion: 129 Resp: 80032
Ion Ratio Lower Upper
129 100
127 78.0 39.0 116.9





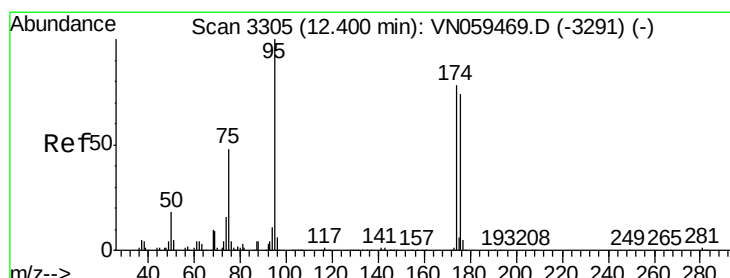
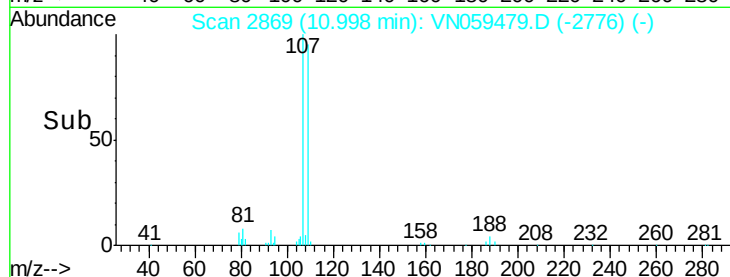
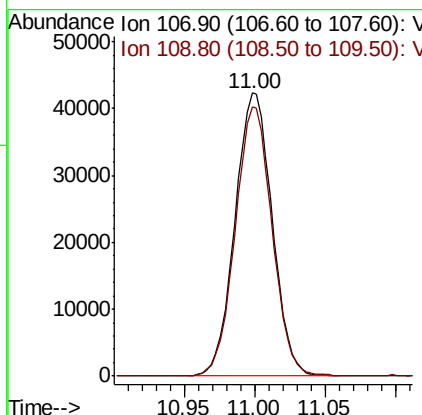
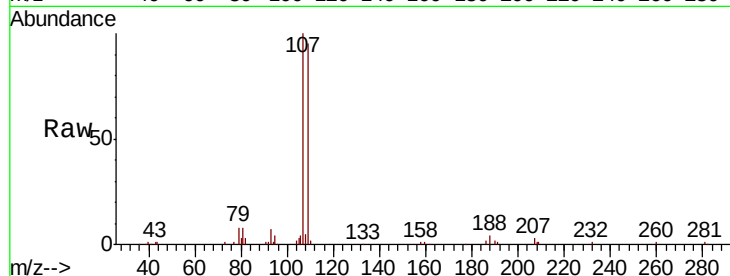
#61
 1,2-Dibromoethane
 Concen: 17.852 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059479.D
 Acq: 4 Dec 2019 11:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.0

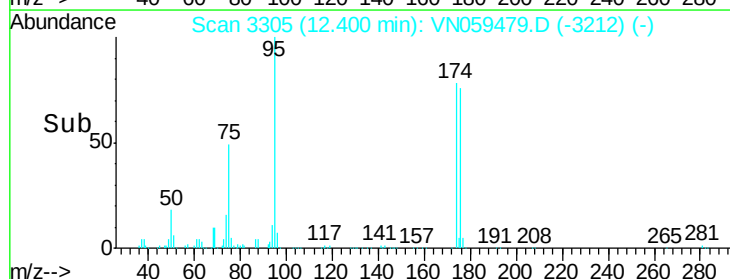
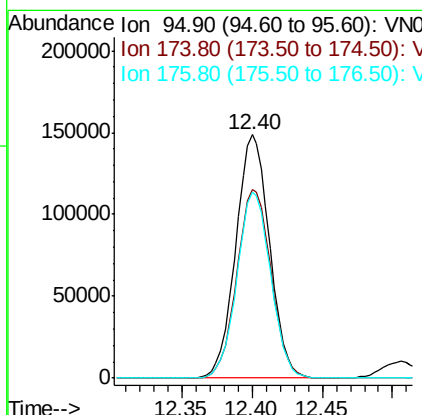
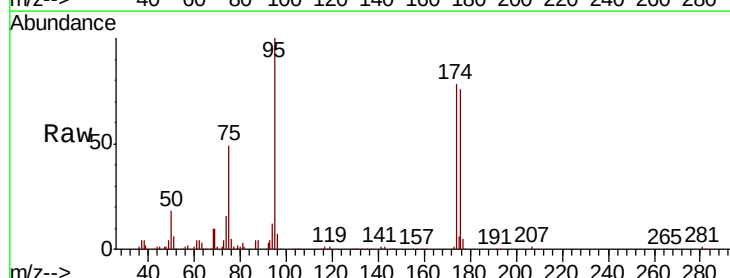
Manual Integrations
 APPROVED

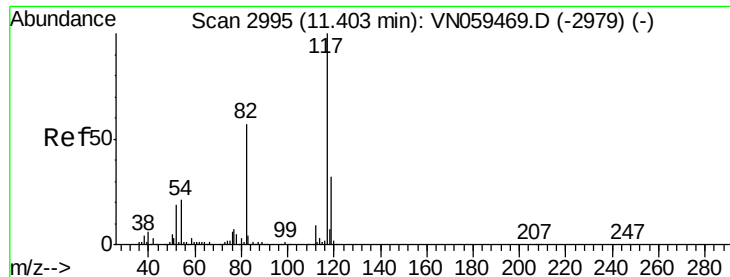
apatel
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#62
 4-Bromofluorobenzene
 Concen: 49.784 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059479.D
 Acq: 4 Dec 2019 11:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.7	0.0	157.0
176	76.3	0.0	152.4





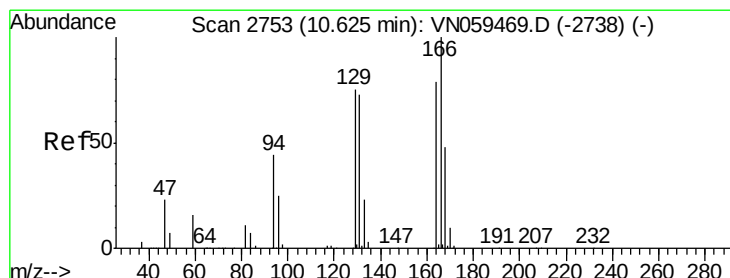
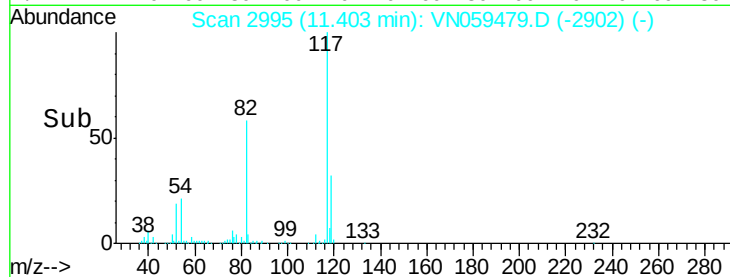
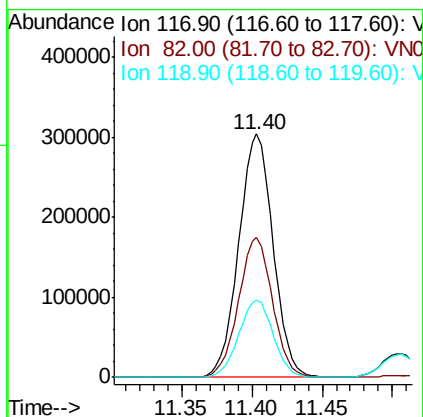
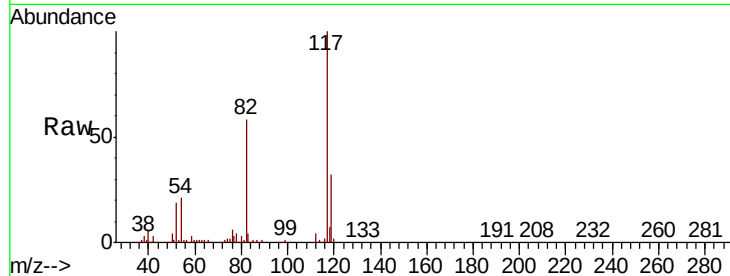
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	45.8	68.8
119	31.9	25.4	38.0

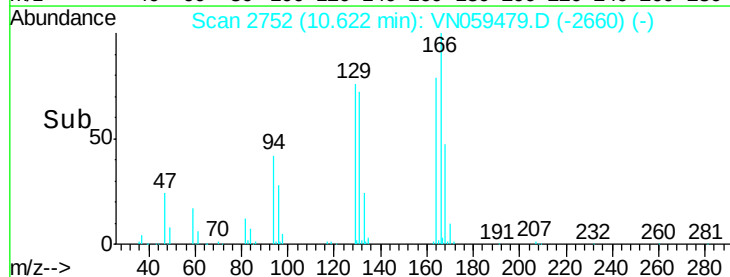
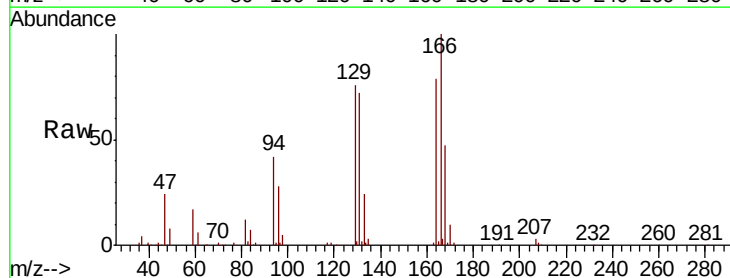
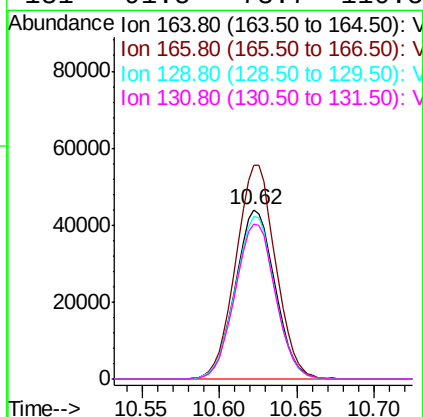
Manual Integrations
APPROVED

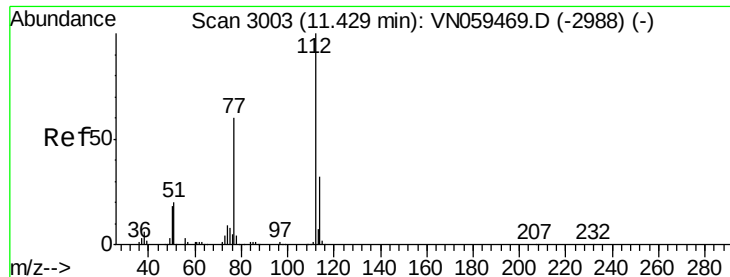
apatel
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#64
Tetrachloroethene
Concen: 17.749 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.2	151.8
129	96.3	76.1	114.1
131	91.5	73.7	110.5





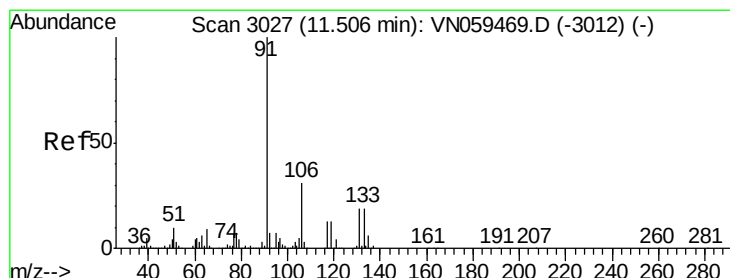
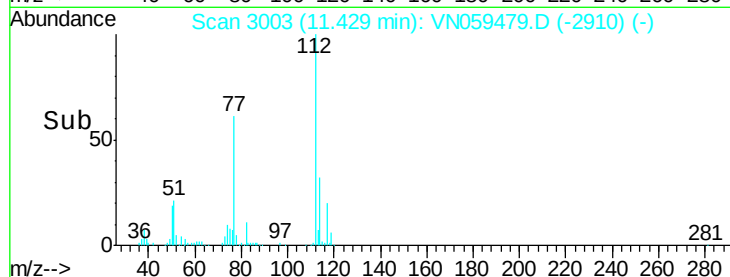
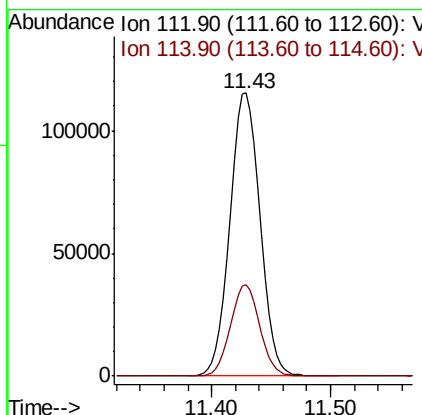
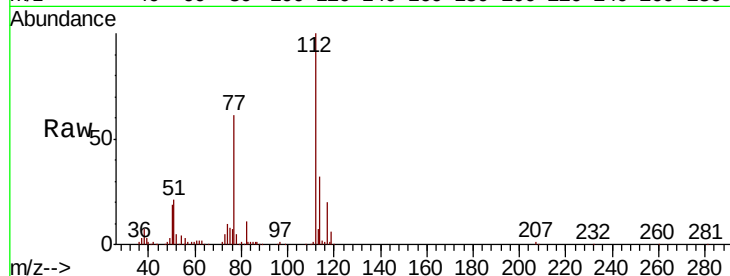
#65
Chlorobenzene
Concen: 17.870 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.7	38.5

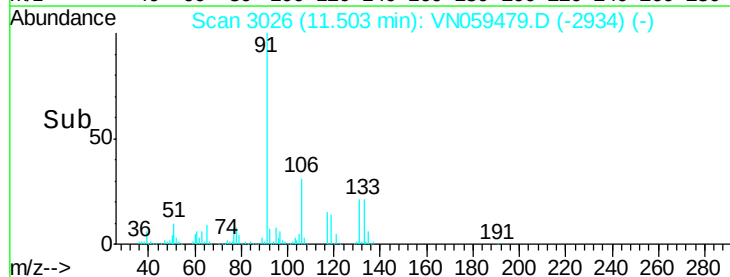
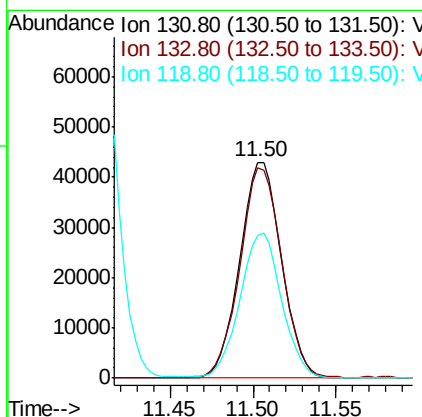
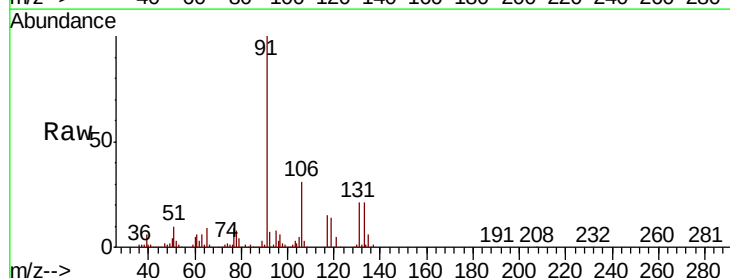
Manual Integrations
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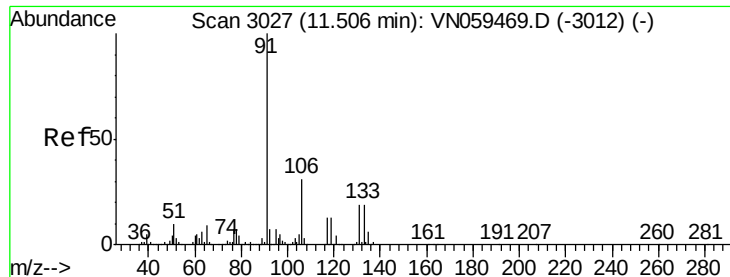
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.374 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.4	48.0	144.0
119	67.5	33.9	101.6





#67

Ethyl Benzene

Concen: 18.230 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

Instrument :

MSVOA_N

ClientSampled :

VN1204WBS01

Tot Ion: 91 Resp: 362737

Ion Ratio Lower Upper

91 100

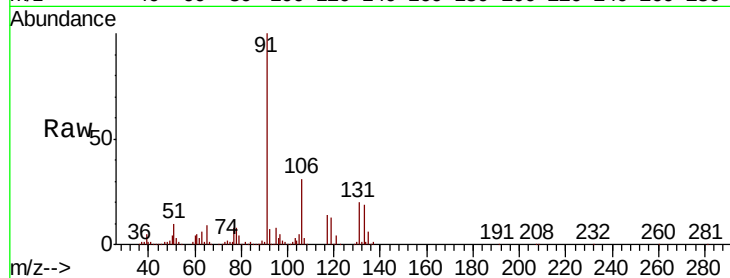
106 30.6 24.7 37.1

Manual Integrations

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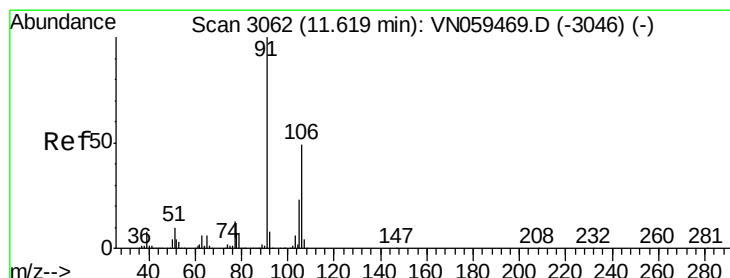
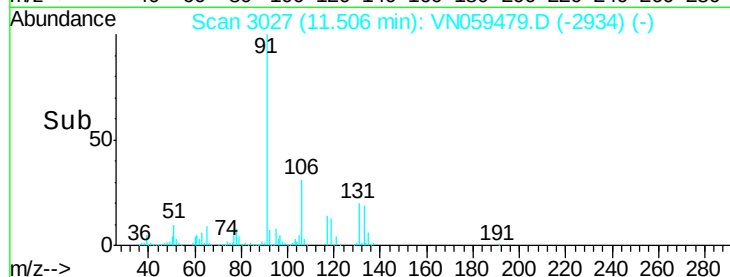
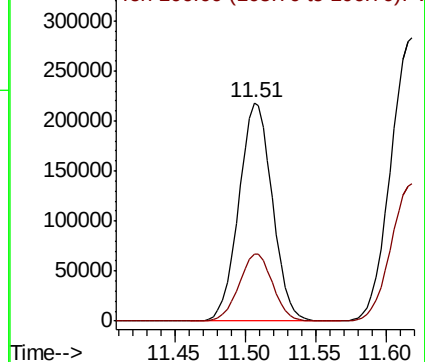
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 36.461 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059479.D

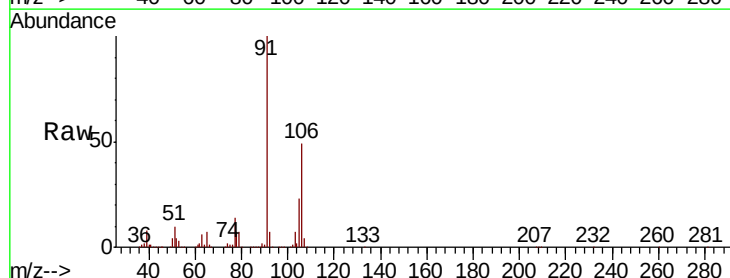
Acq: 4 Dec 2019 11:34

Tgt Ion: 106 Resp: 270131

Ion Ratio Lower Upper

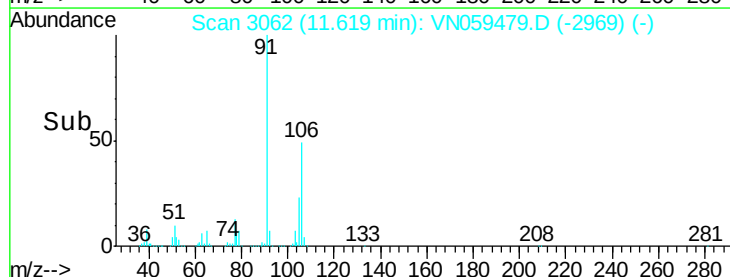
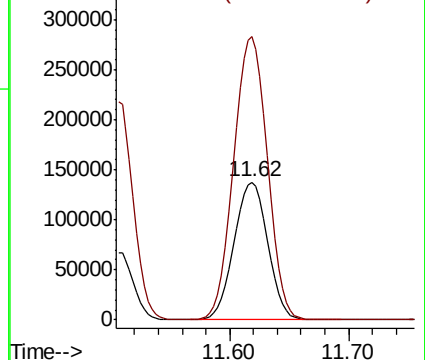
106 100

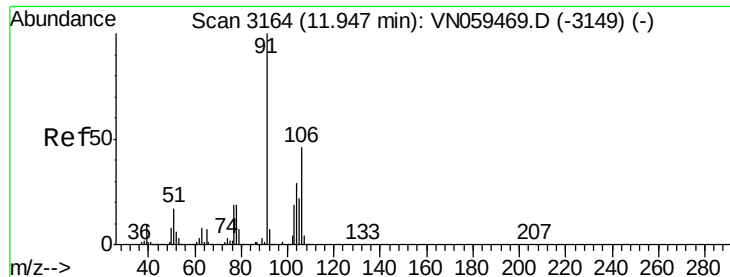
91 205.3 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





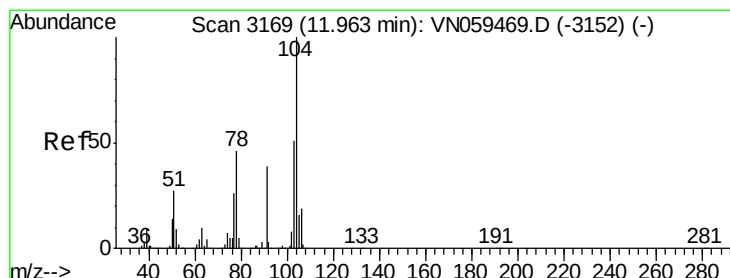
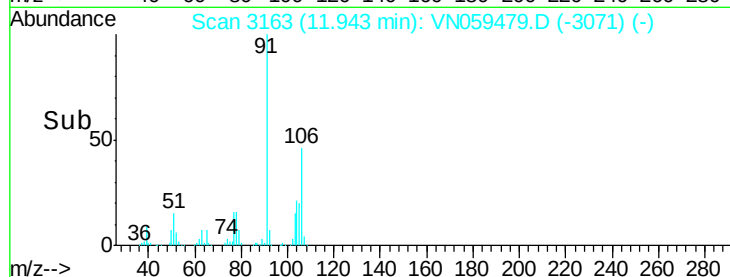
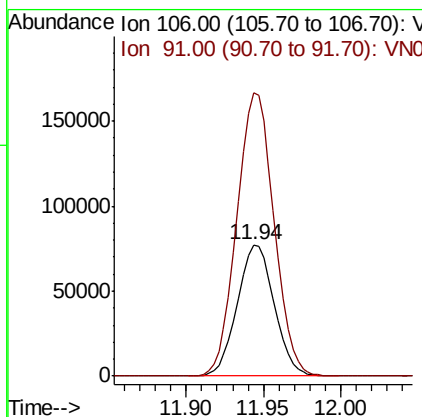
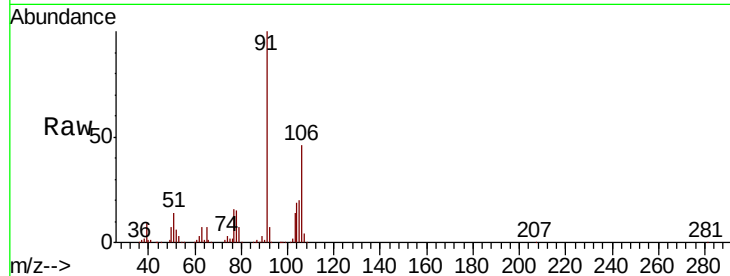
#69
o-Xylene
Concen: 18.179 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.7	108.5	325.3

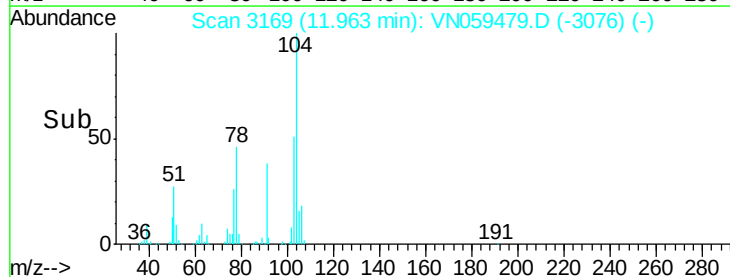
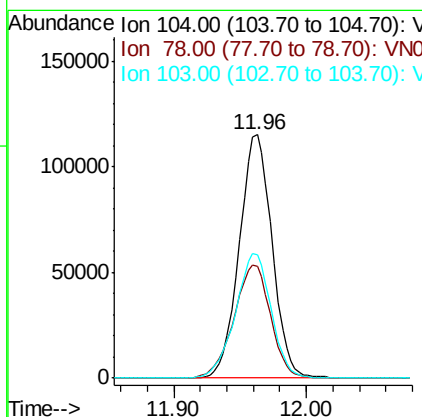
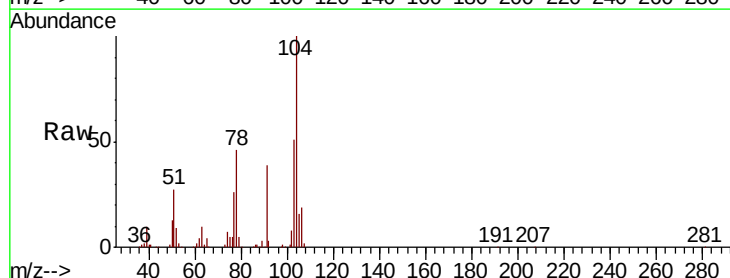
Manual Integrations
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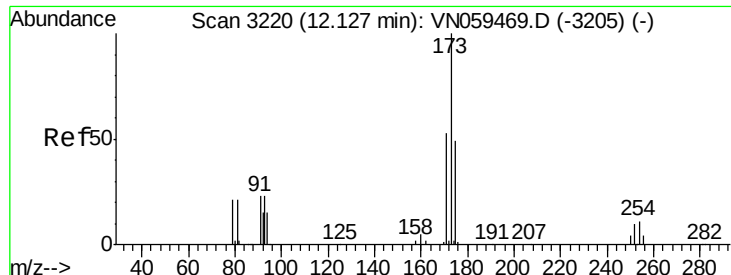
apatel
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#70
Styrene
Concen: 17.662 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.7	41.0	61.4
103	55.6	44.7	67.1





#71

Bromoform

Concen: 17.716 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

Instrument :

MSVOA_N

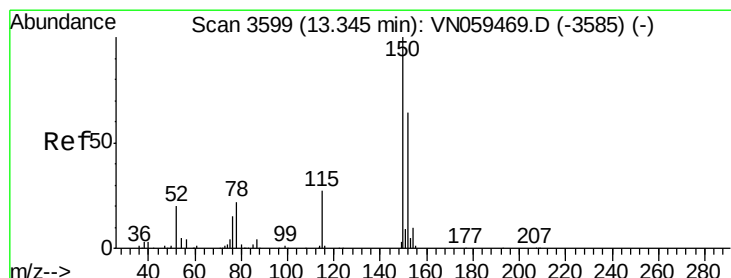
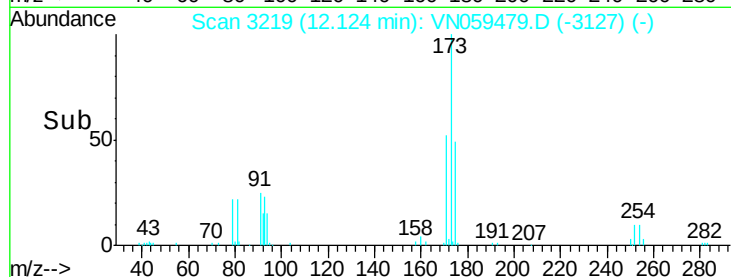
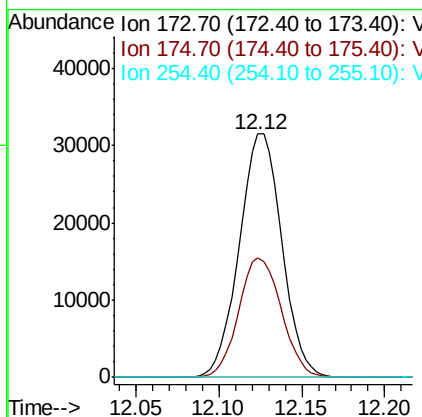
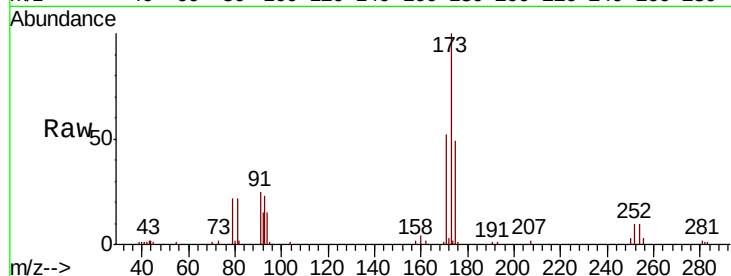
ClientSampleId :

VN1204WBS01

Tot Ion:	173	Resp:	56349
Ion Ratio	Lower	Upper	
173	100		
175	49.1	24.3	73.0
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

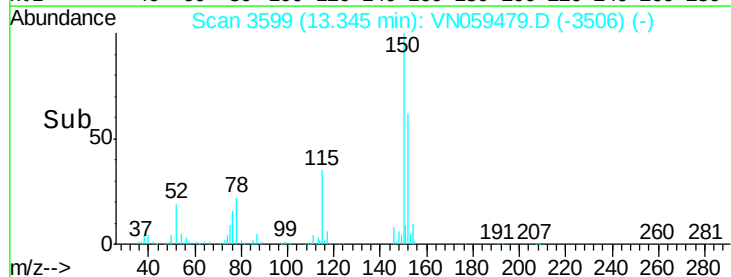
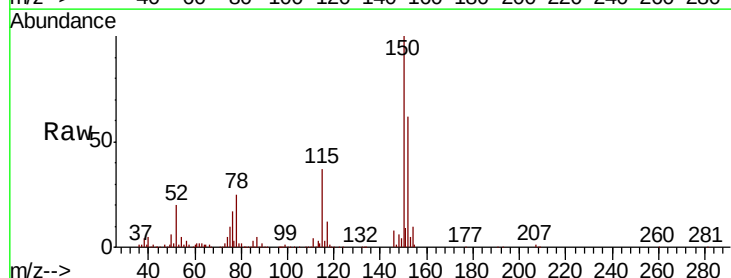
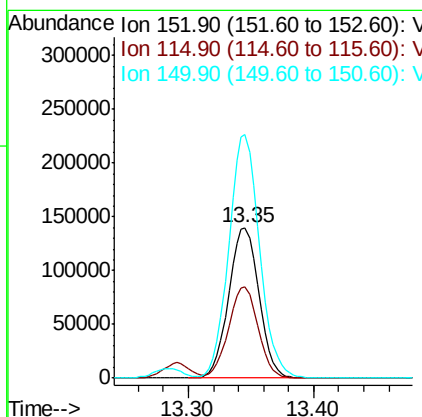
RT: 13.35 min Scan# 3599

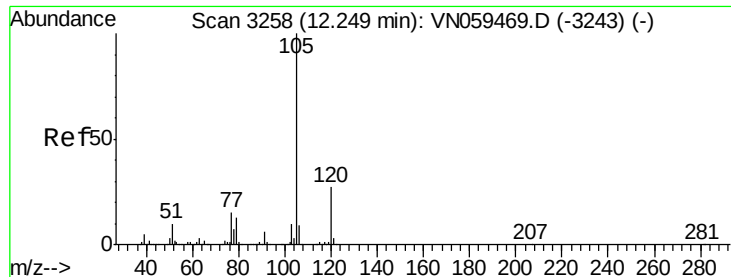
Delta R.T. -0.00 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

Tgt Ion:	152	Resp:	233985
Ion Ratio	Lower	Upper	
152	100		
115	58.8	29.2	87.6
150	164.3	0.0	352.8





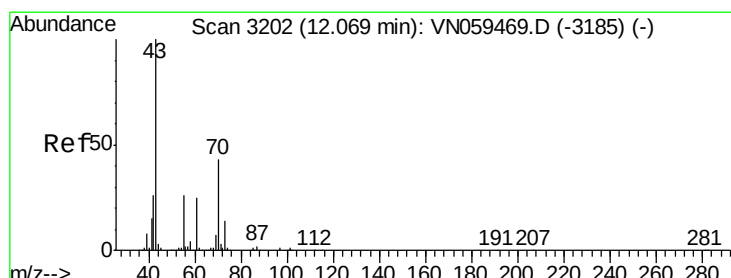
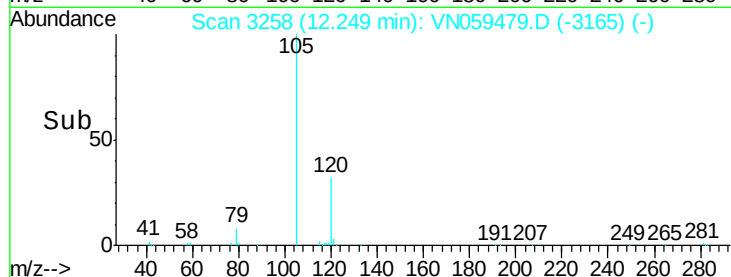
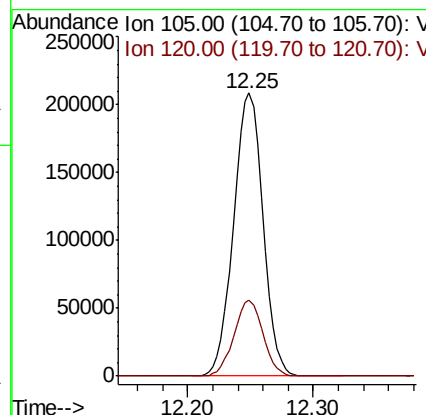
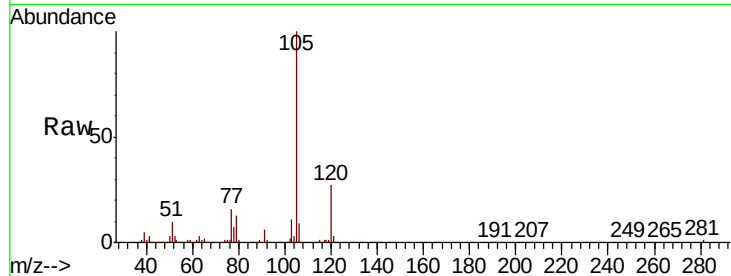
#73
Isopropylbenzene
Concen: 18.085 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.6

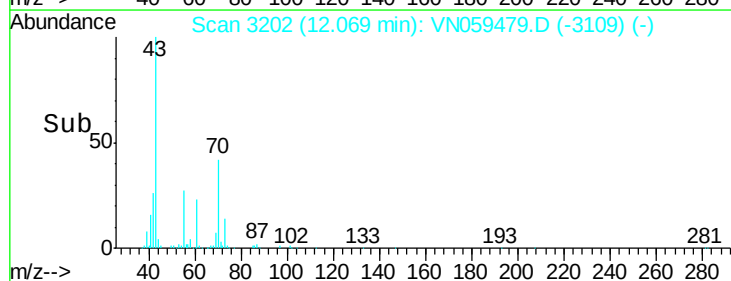
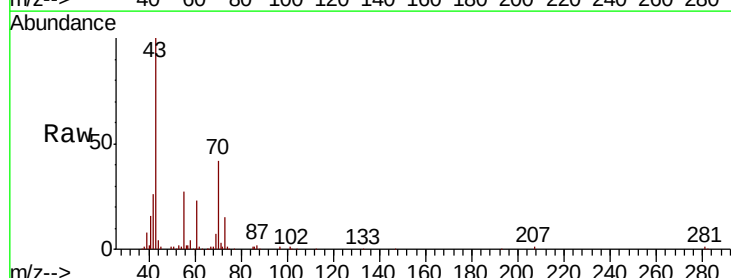
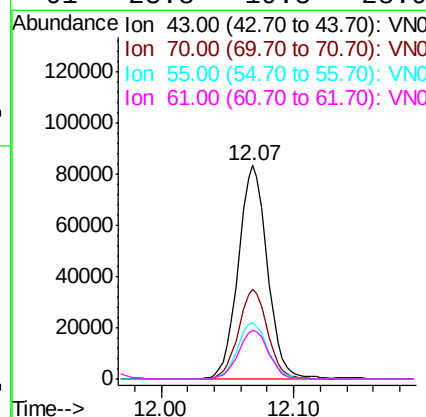
Manual Integrations
APPROVED

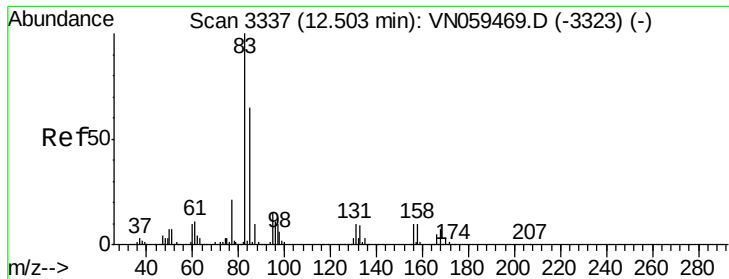
apatel
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#74
N-ethyl acetate
Concen: 16.884 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.8	34.2	51.2
55	27.4	20.6	31.0
61	23.8	19.3	28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.204 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

Instrument :

MSVOA_N

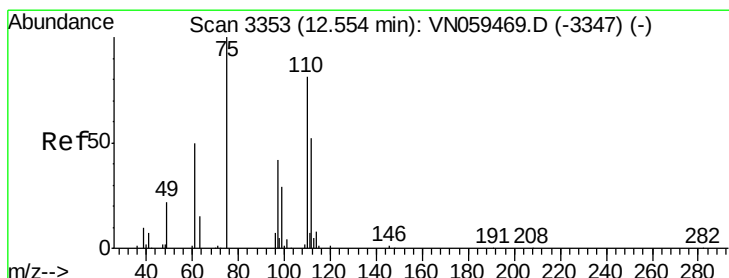
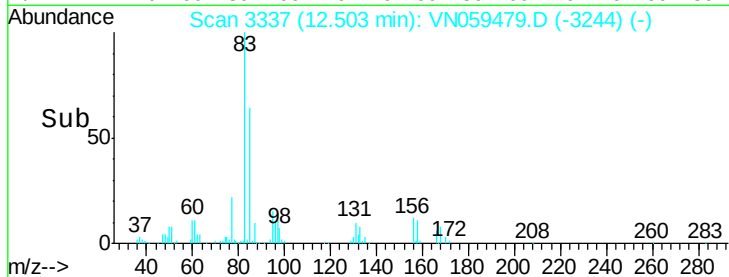
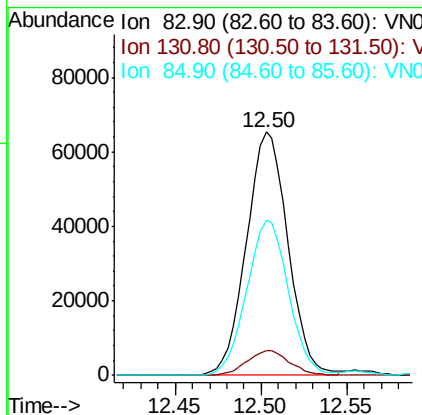
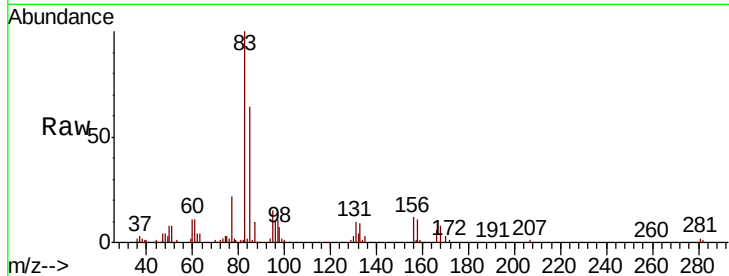
ClientSampleId :

VN1204WBS01

Tot Ion:	83	Resp:	109573
Ion Ratio	Lower	Upper	
83	100		
131	10.4	4.9	14.7
85	63.9	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.649 ug/l m

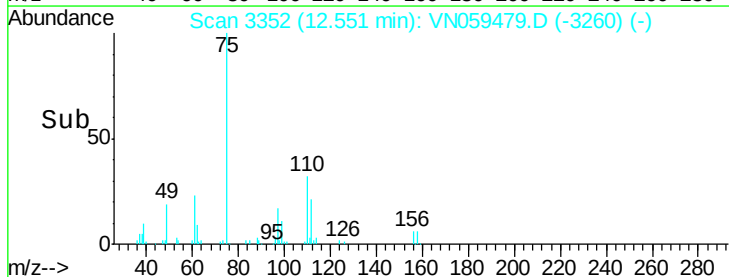
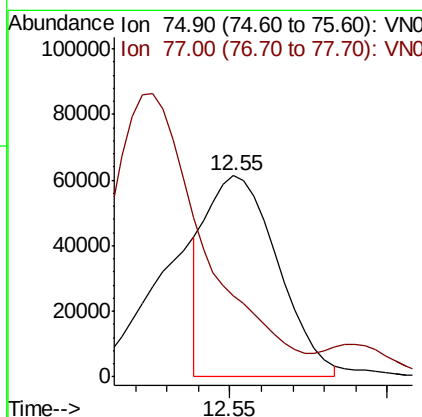
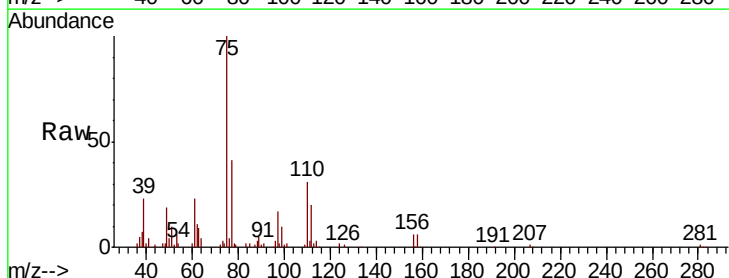
RT: 12.55 min Scan# 3352

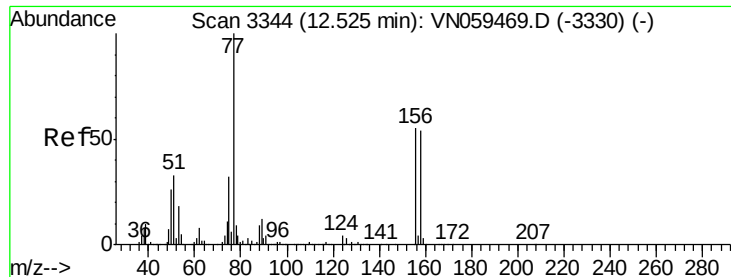
Delta R.T. -0.00 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

Tgt Ion:	75	Resp:	96861
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.541 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

Instrument :

MSVOA_N

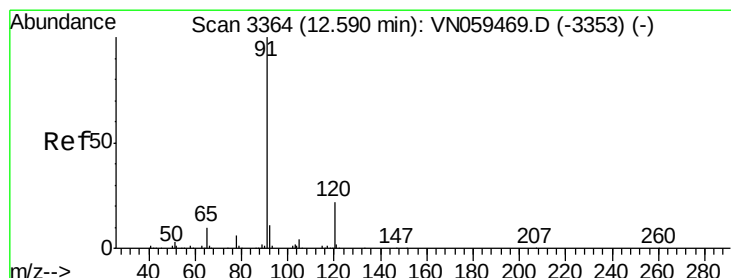
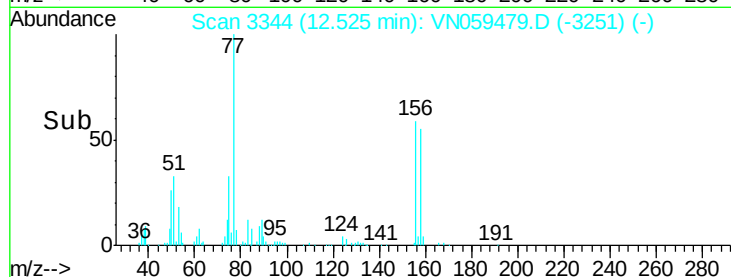
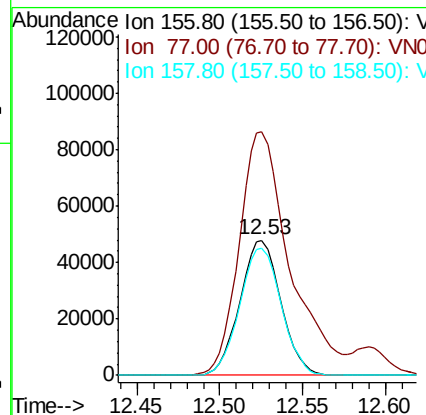
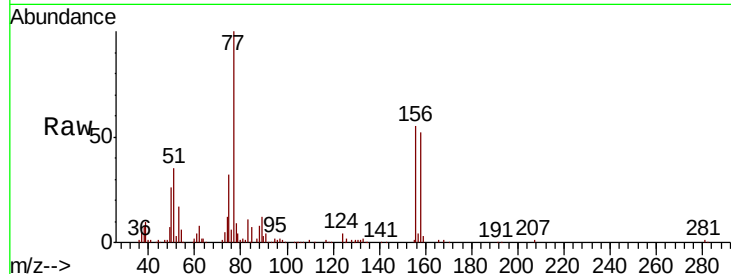
ClientSampleId :

VN1204WBS01

Tot Ion:	156	Resp:	82253
Ion	Ratio	Lower	Upper
156	100		
77	223.2	110.3	331.0
158	95.6	48.5	145.5

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#78

n-propylbenzene

Concen: 18.098 ug/l

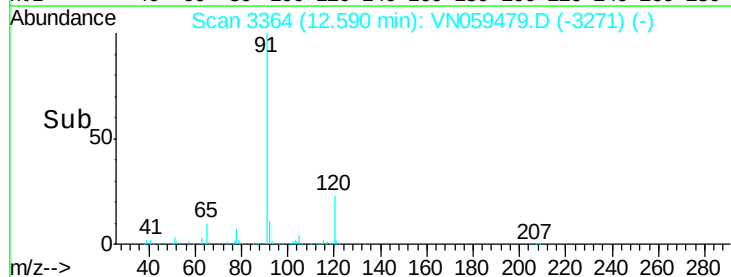
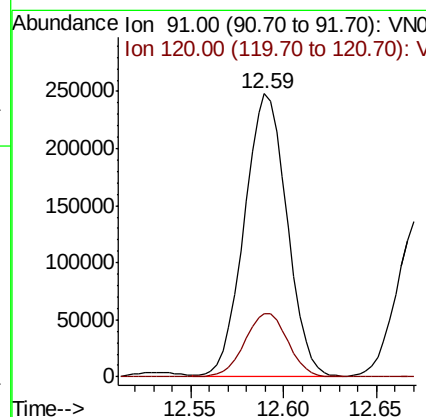
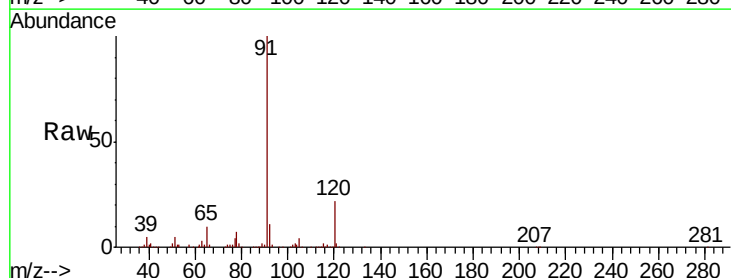
RT: 12.59 min Scan# 3364

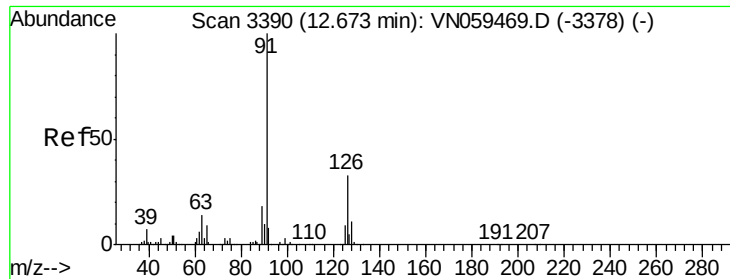
Delta R.T. -0.00 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

Tgt Ion:	91	Resp:	395220
Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.3	33.9





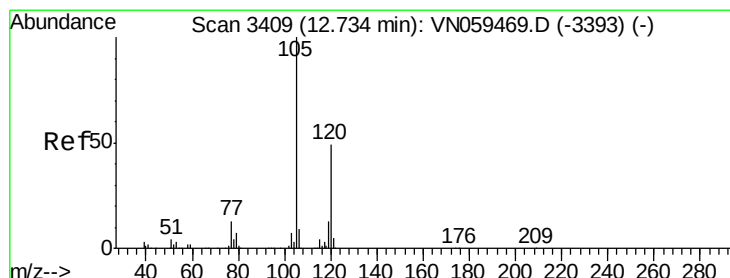
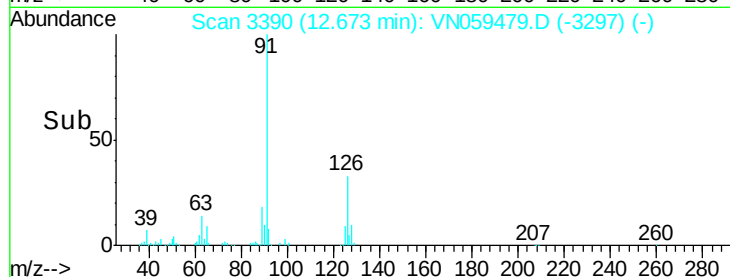
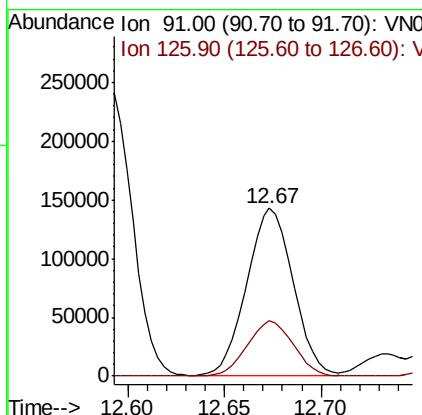
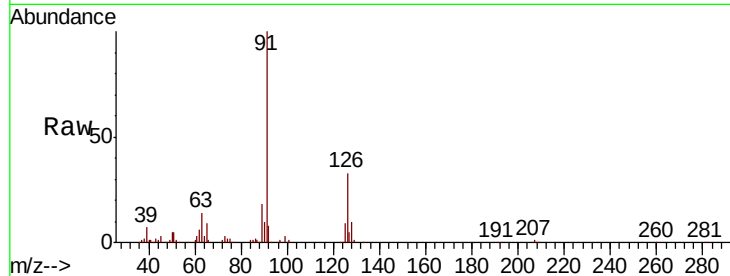
#79
 2-Chlorotoluene
 Concen: 18.122 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059479.D
 Acq: 4 Dec 2019 11:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tot Ion: 91 Resp: 238552
 Ion Ratio Lower Upper
 91 100
 126 33.1 16.6 49.8

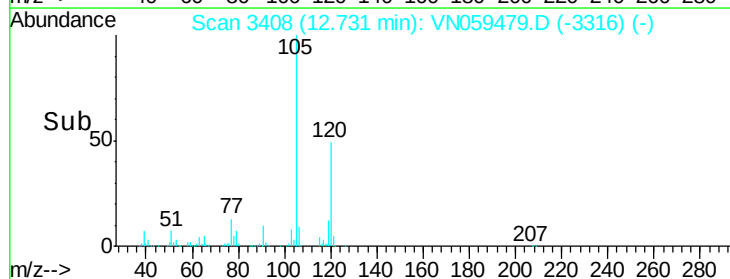
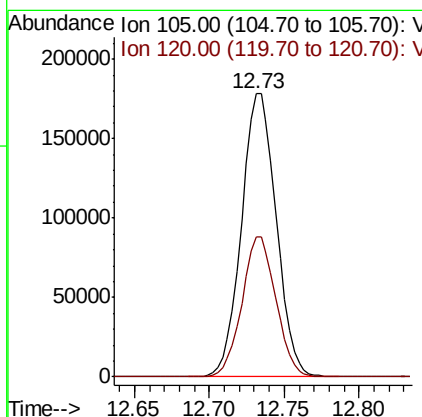
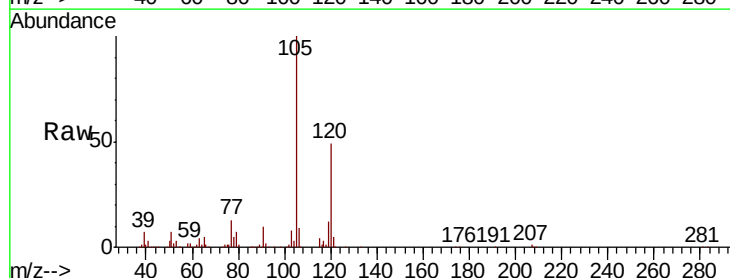
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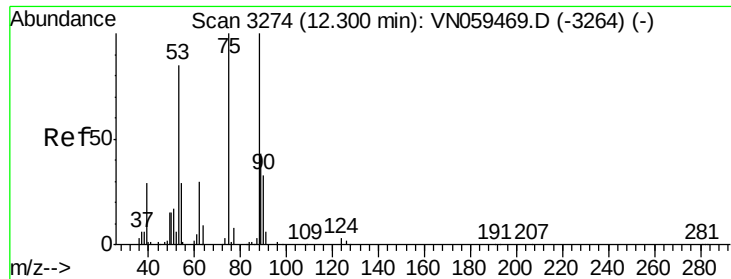
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.339 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN059479.D
 Acq: 4 Dec 2019 11:34

Tgt Ion: 105 Resp: 287591
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.3 73.0





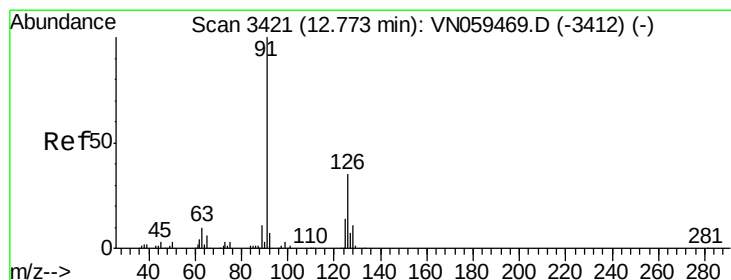
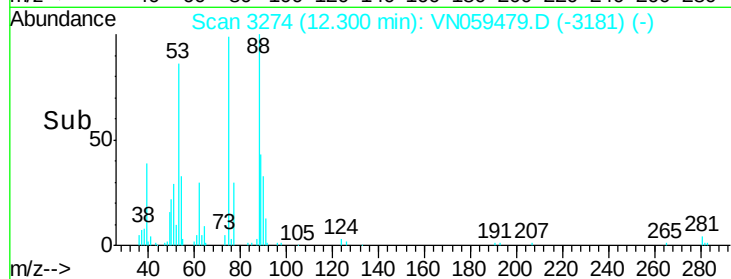
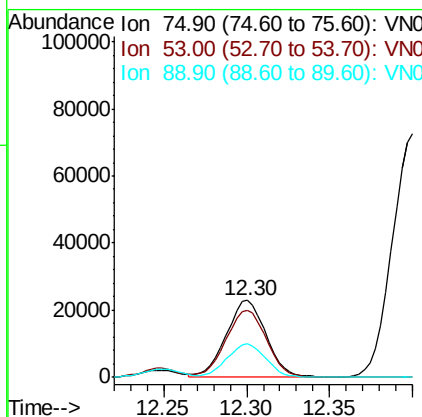
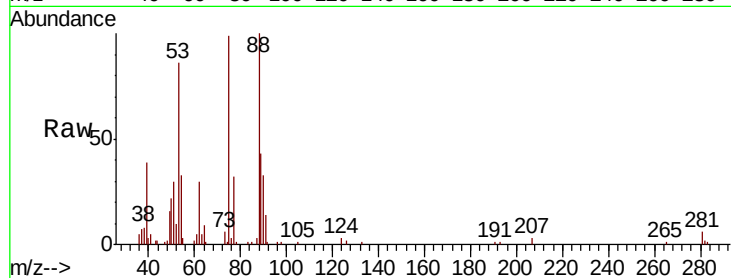
#81
trans-1,4-Dichloro-2-butene
Concen: 17.223 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.0	69.8	104.6
89	42.8	35.2	52.8

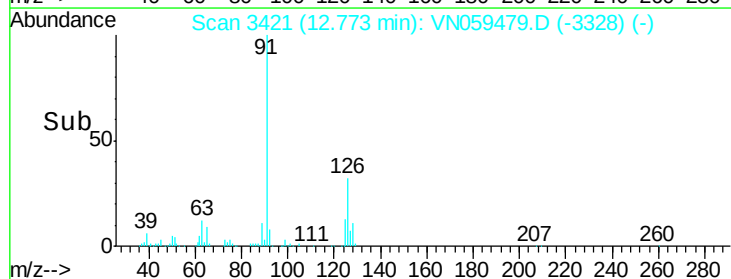
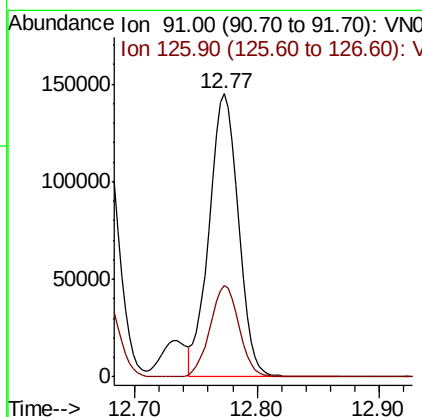
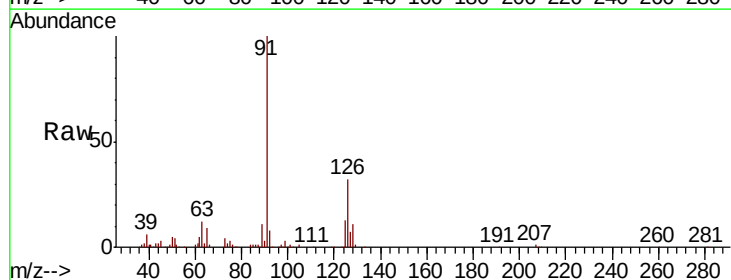
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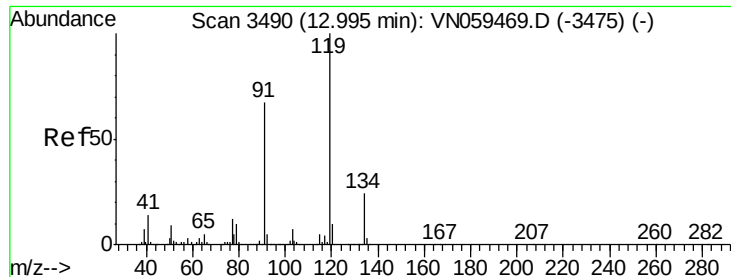
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#82
4-Chlorotoluene
Concen: 17.957 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.2





#83

tert-Butylbenzene

Concen: 17.865 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

Instrument :

MSVOA_N

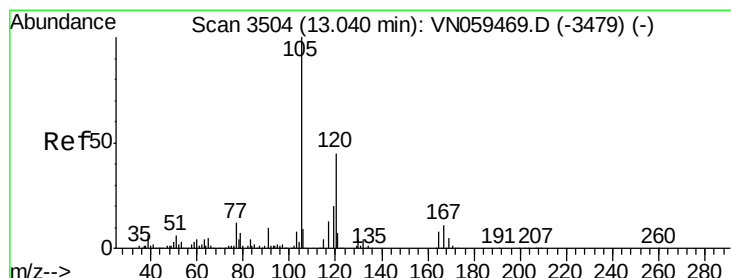
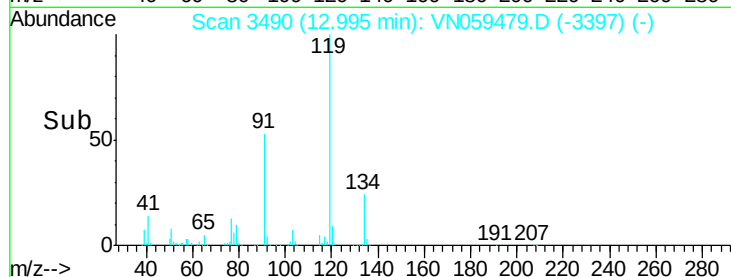
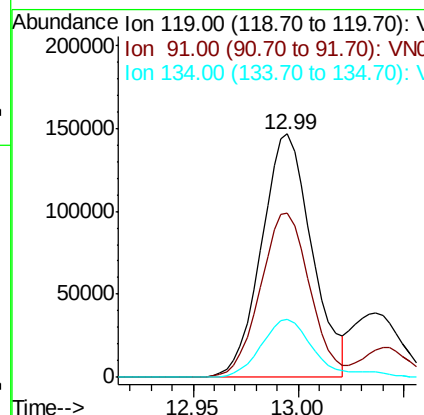
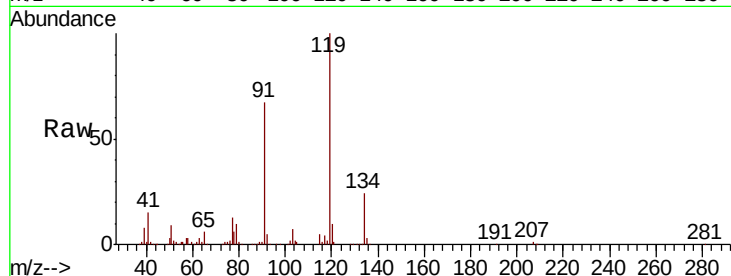
ClientSampleId :

VN1204WBS01

Tot Ion:	119	Resp:	243219
Ion Ratio	Lower	Upper	
119	100		
91	66.6	32.6	97.7
134	25.6	12.6	37.6

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#84

1,2,4-Trimethylbenzene

Concen: 18.302 ug/l

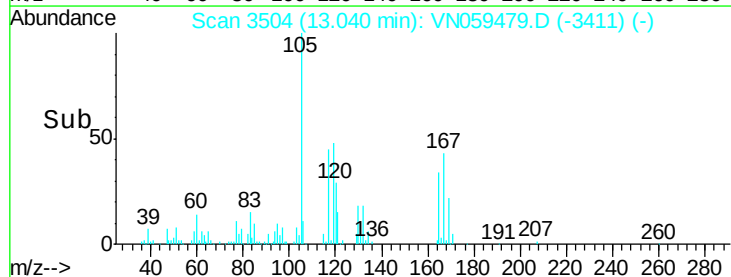
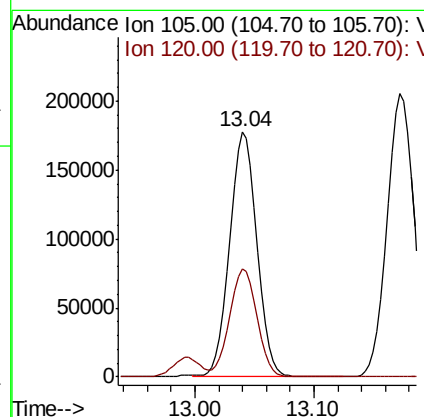
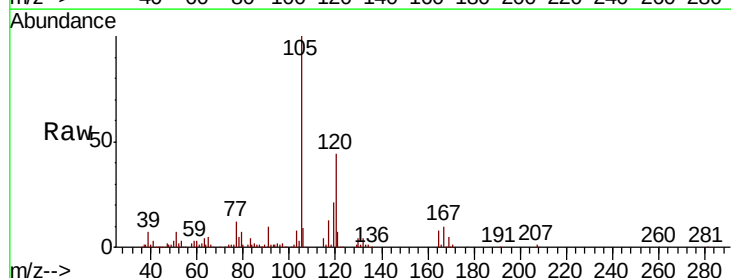
RT: 13.04 min Scan# 3504

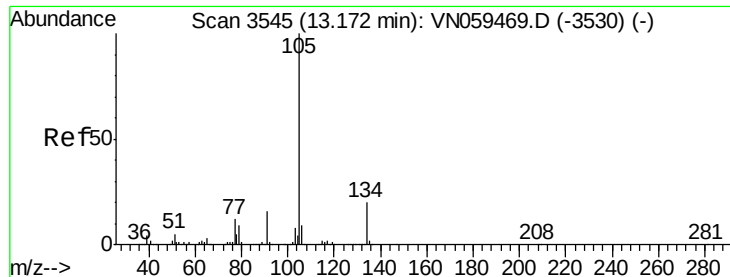
Delta R.T. -0.00 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

Tgt Ion:	105	Resp:	280482
Ion Ratio	Lower	Upper	
105	100		
120	44.4	22.6	67.8





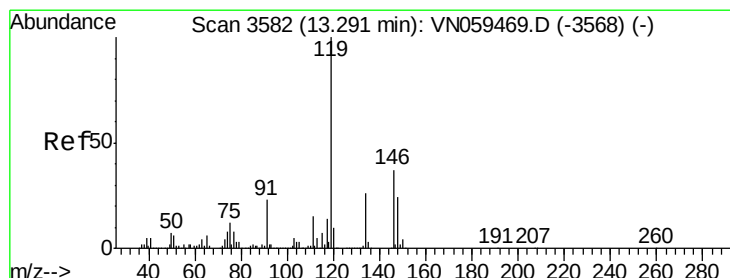
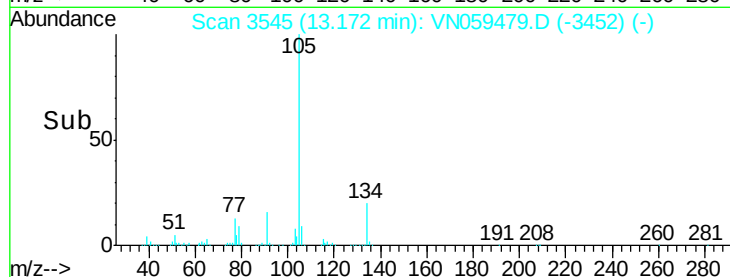
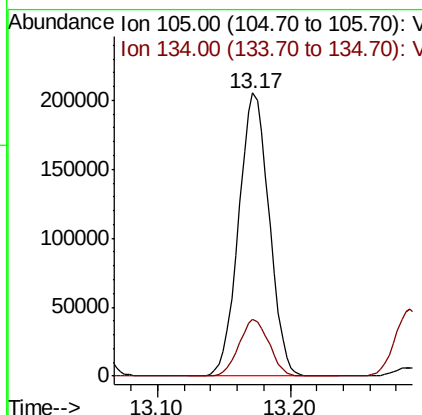
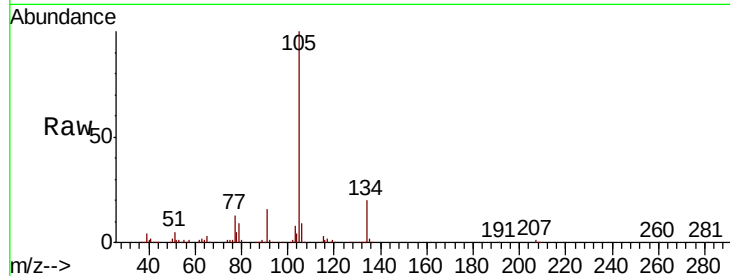
#85
 sec-Butylbenzene
 Concen: 18.108 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN059479.D
 Acq: 4 Dec 2019 11:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5

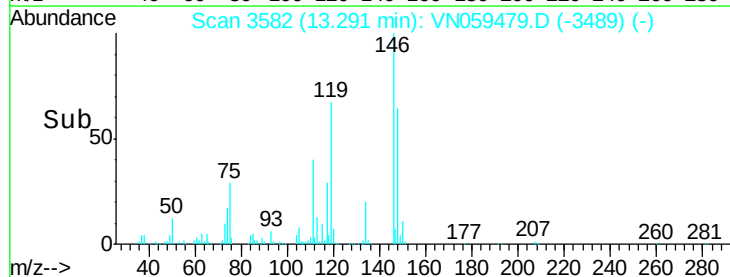
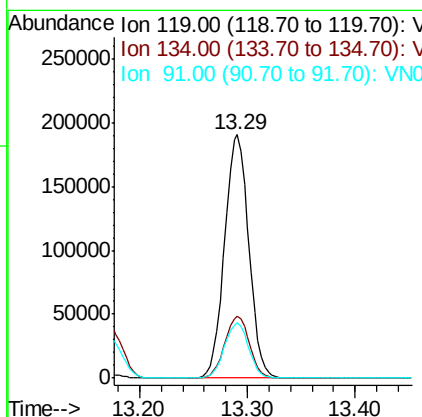
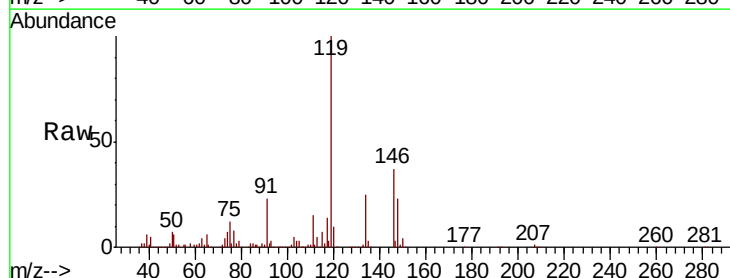
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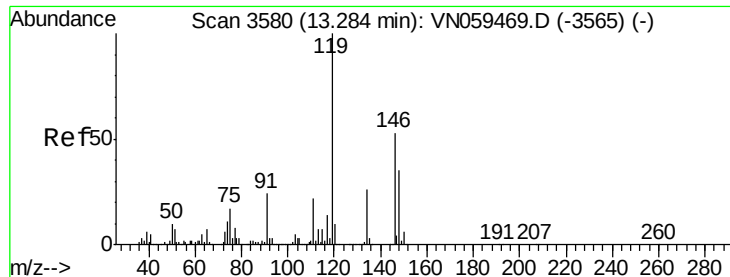
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#86
 p-Isopropyltoluene
 Concen: 18.353 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059479.D
 Acq: 4 Dec 2019 11:34

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.1	39.3
91	23.1	11.7	35.1





#87

1,3-Dichlorobenzene

Concen: 17.488 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059479.D

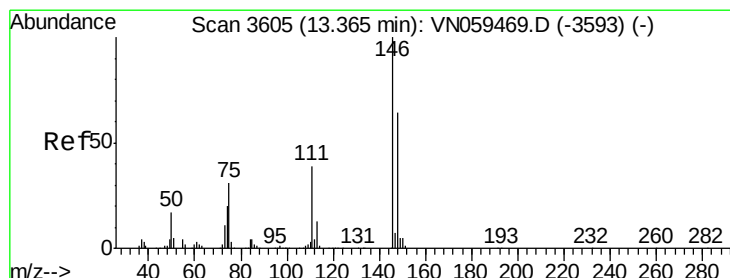
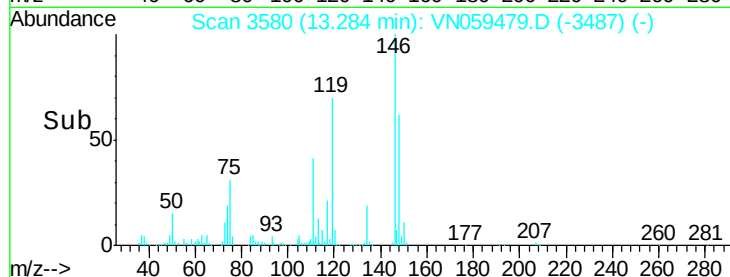
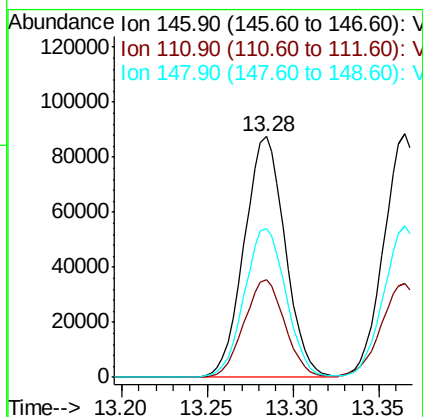
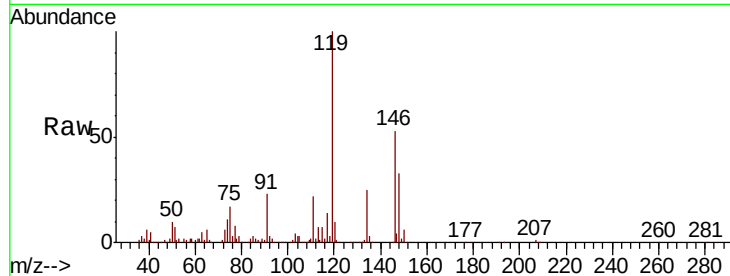
Acq: 4 Dec 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.4	61.3
148	62.8	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 17.323 ug/l

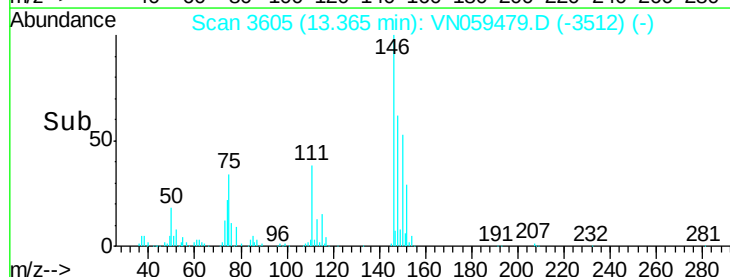
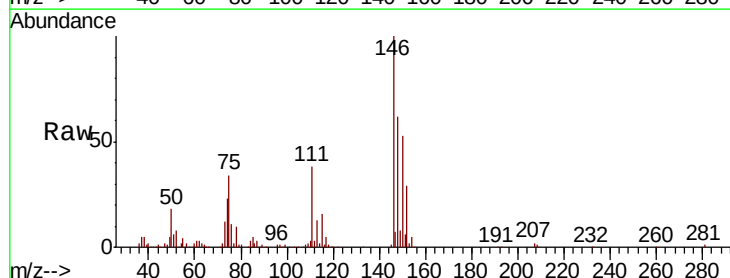
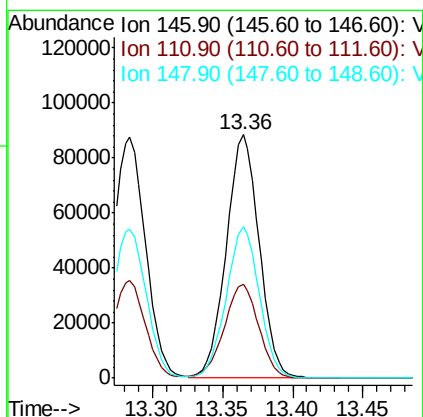
RT: 13.36 min Scan# 3605

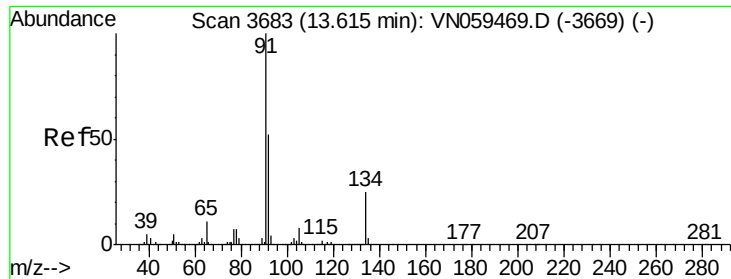
Delta R.T. -0.00 min

Lab File: VN059479.D

Acq: 4 Dec 2019 11:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.8	59.3
148	62.9	32.0	96.0





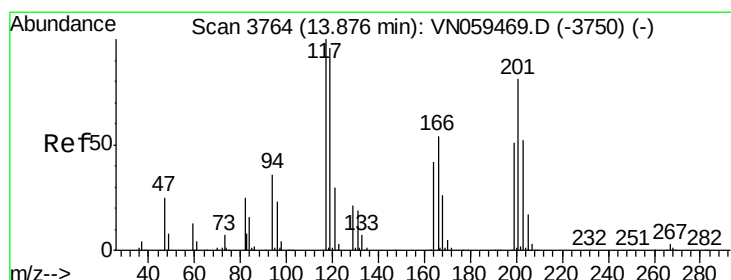
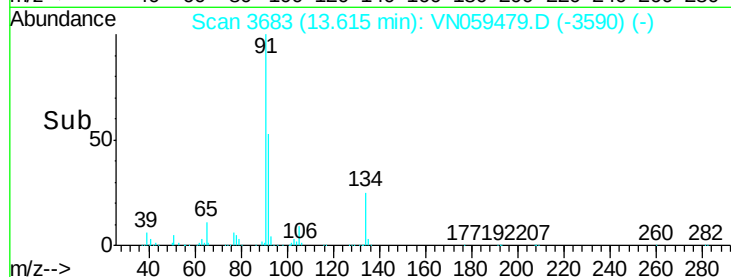
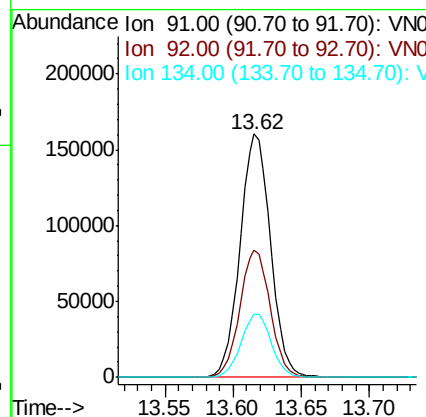
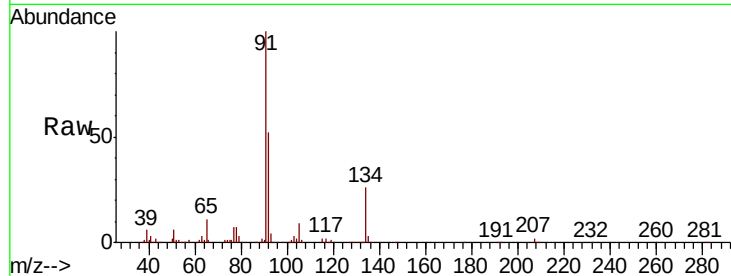
#89
n-Butylbenzene
Concen: 17.148 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Instrument :
MSVOA_N
ClientSampled :
VN1204WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	25.9	77.8
134	26.0	12.6	37.6

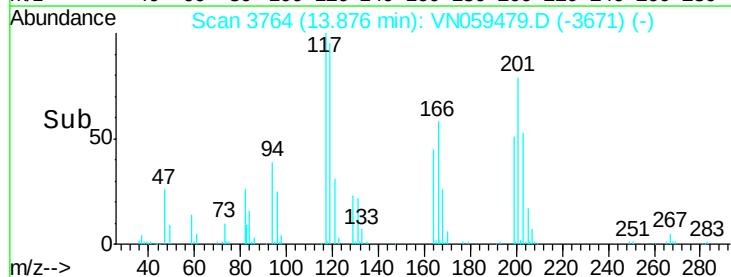
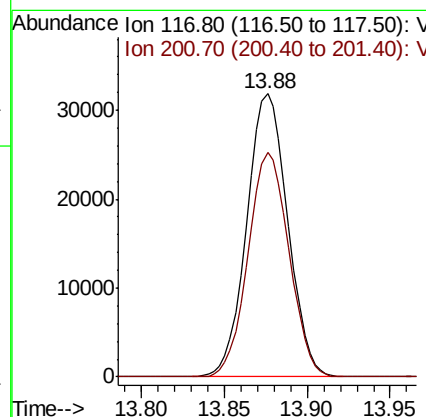
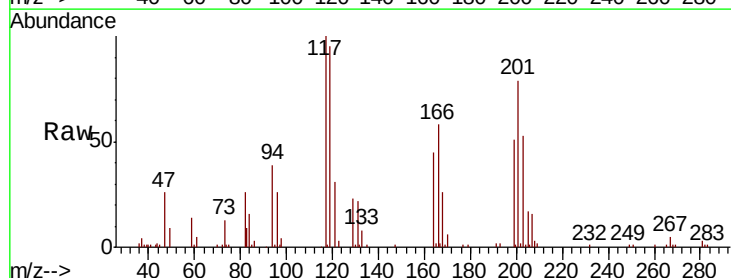
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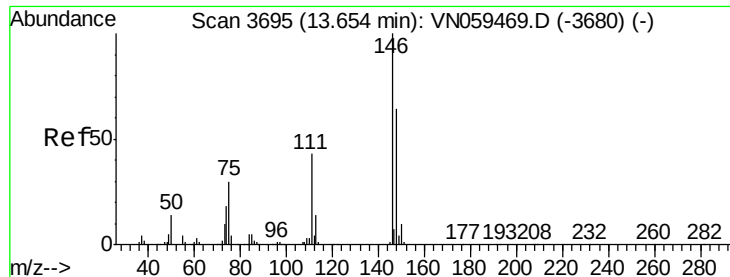
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#90
Hexachloroethane
Concen: 17.555 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.0	40.6	122.0





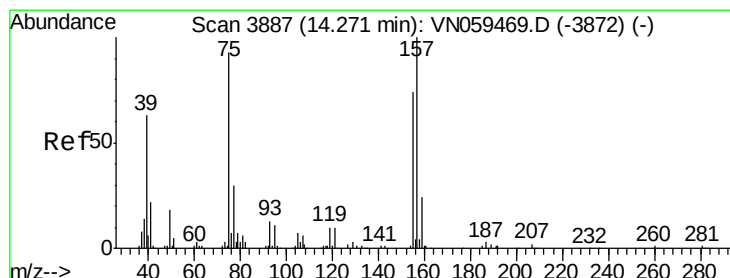
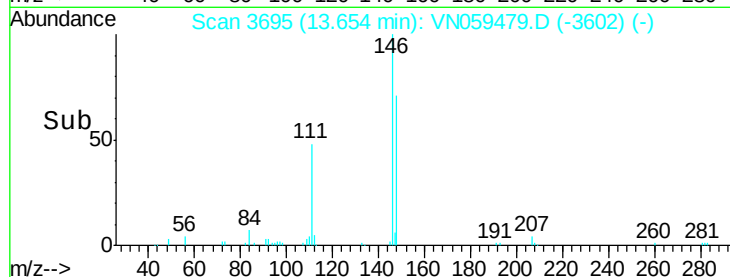
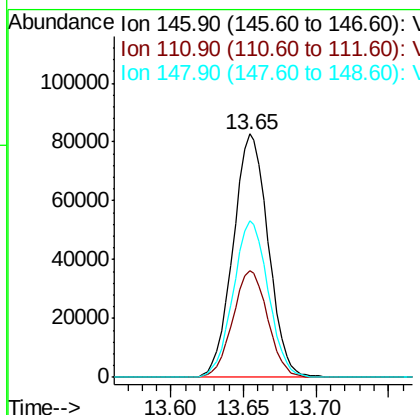
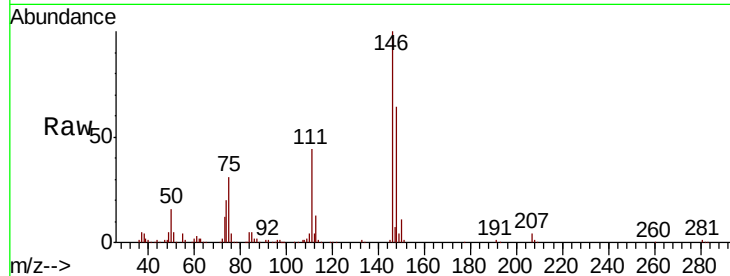
#91
 1,2-Dichlorobenzene
 Concen: 17.556 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059479.D
 Acq: 4 Dec 2019 11:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN1204WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.3	63.7
148	64.3	32.2	96.6

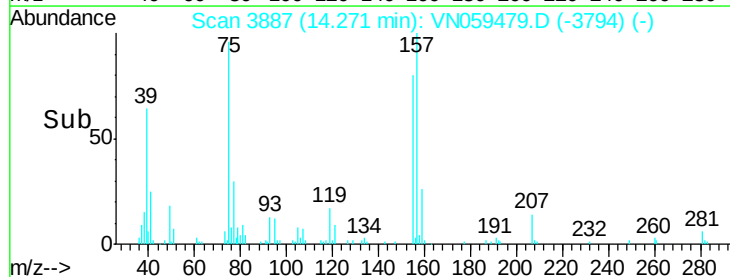
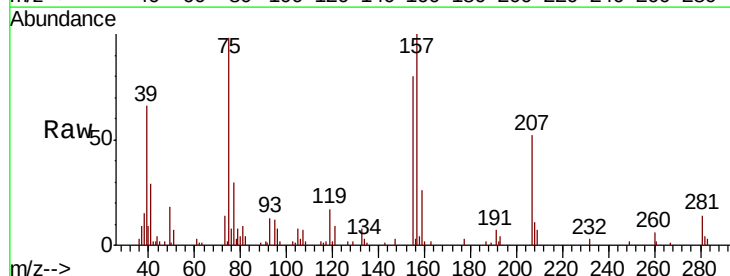
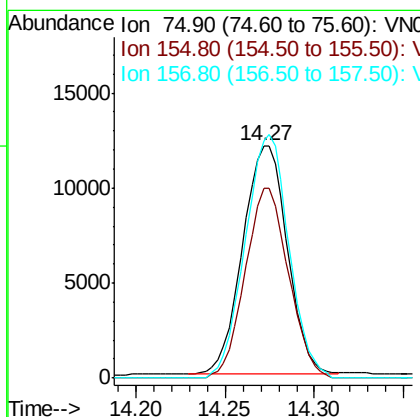
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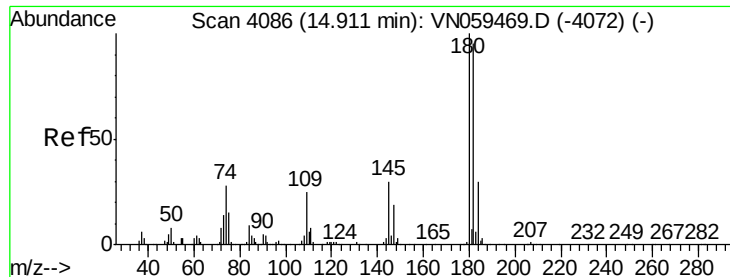
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.858 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059479.D
 Acq: 4 Dec 2019 11:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.5	40.6	122.0
157	104.1	52.9	158.7





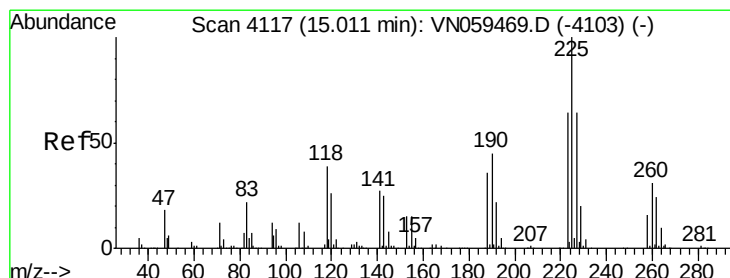
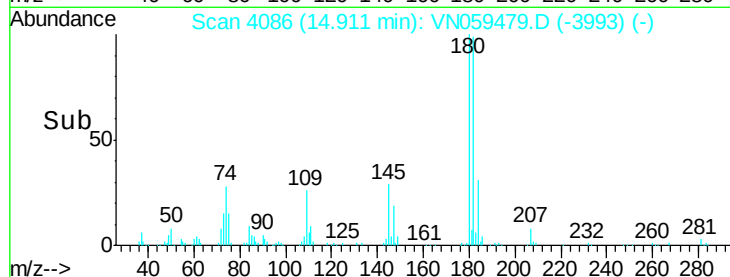
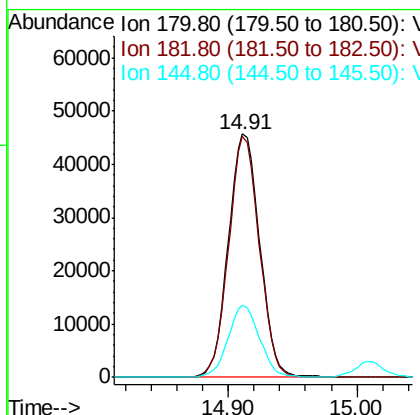
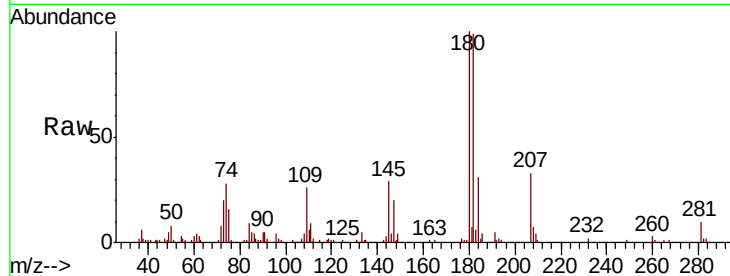
#93
1,2,4-Trichlorobenzene
Concen: 15.966 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. -0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.0	144.2
145	29.7	15.2	45.6

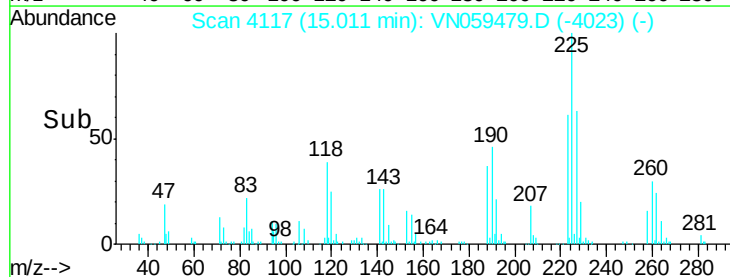
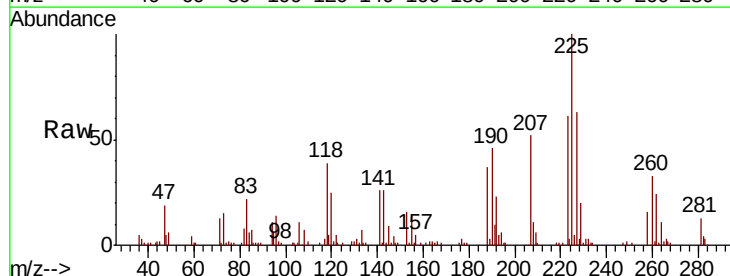
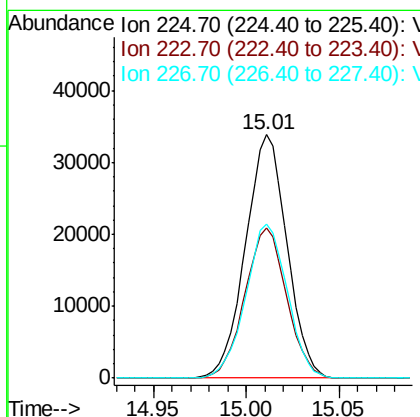
Manual Integrations
APPROVED

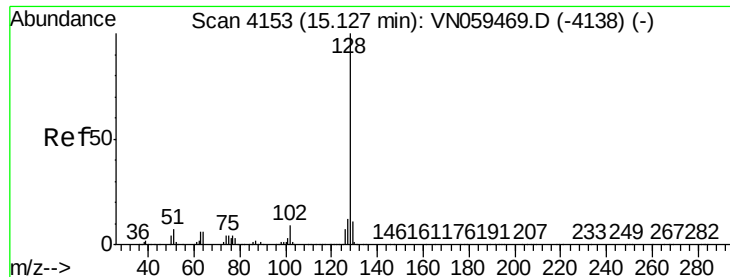
apatel
12/5/2019 11:19:03 AM



#94
Hexachlorobutadiene
Concen: 18.279 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.9	95.5
227	63.4	32.0	96.2





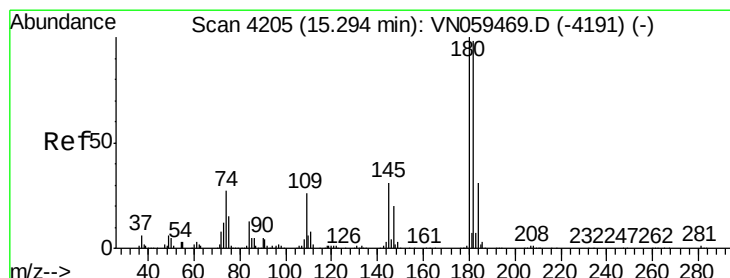
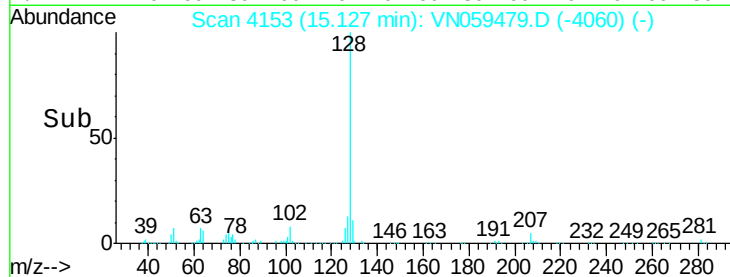
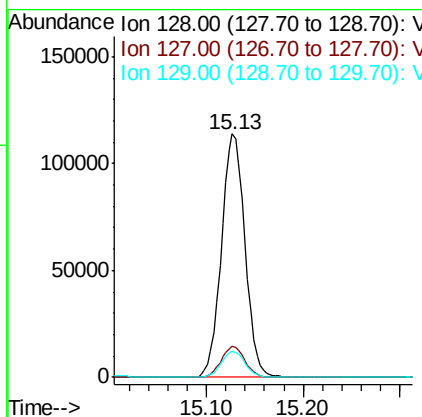
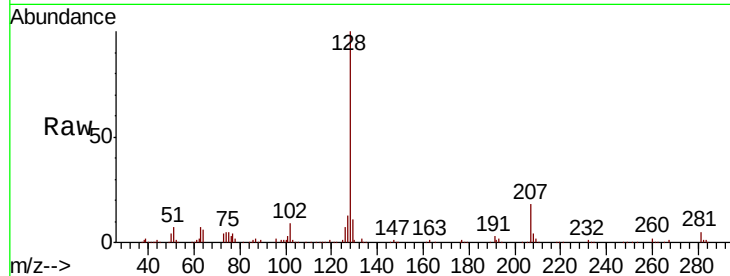
#95
Naphthalene
Concen: 16.164 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	192456		
127	12.7	10.2	15.4	
129	10.9	8.8	13.2	

Manual Integrations
APPROVED

apatel
12/5/2019 11:19:03 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.457 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059479.D
Acq: 4 Dec 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	78378		
182	93.5	48.5	145.5	
145	32.1	16.1	48.2	

