

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL123019\
 Data File : VL034518.D
 Acq On : 30 Dec 2019 18:31
 Operator : SY/AP
 Sample : VL1230ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL1230ABS01

Manual Integrations
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 1/2/2020 10:49:13 AM

Quant Time: Dec 31 05:33:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 31 05:33:44 2019
 QLast Update : Mon Dec 30 14:58:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1077702	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2158786	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2150020m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1825865	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1919086	11.291	ppbv	100
3) Chlorodifluoromethane	2.95	51	1191240	9.277	ppbv	99
4) Chloromethane	3.11	50	634122	8.314	ppbv	97
5) Vinyl Chloride	3.23	62	616760	8.258	ppbv	99
6) Bromomethane	3.45	94	342775	9.220	ppbv	97
7) Chloroethane	3.53	64	234137	8.996	ppbv	100
8) Dichlorotetrafluoroethane	3.16	85	1482824	8.699	ppbv	99
9) Propene	2.98	41	453909	9.169	ppbv	98
10) Heptane	8.15	43	1245720	9.744	ppbv	99
11) Trichlorofluoromethane	3.93	101	1702842	8.658	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1134005	9.065	ppbv	98
13) Ethanol	3.58	45	93126	6.780	ppbv	99
14) Bromoethene	3.72	108	456630	9.025	ppbv	100
15) Acetone	3.83	43	1183821	7.527	ppbv	99
16) 1,3-Butadiene	3.30	39	561995	9.291	ppbv	99
17) tert-Butyl alcohol	4.28	59	931837	7.399	ppbv	99
18) 1,1-Dichloroethene	4.27	96	502714	9.225	ppbv	94
19) Isopropyl Alcohol	3.95	45	680908	6.688	ppbv #	99
20) Methylene Chloride	4.33	84	442361	7.148	ppbv	98
21) Allyl Chloride	4.40	41	820485	9.076	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	503210	9.079	ppbv	97
23) Vinyl Acetate	5.07	43	1763910	9.714	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1289468	8.839	ppbv	98
25) Ethyl Acetate	5.68	43	2167685	8.825	ppbv	99
26) Hexane	5.69	57	951190	9.191	ppbv	97
27) Carbon Disulfide	4.54	76	1261409	9.642	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1638455	9.479	ppbv	99
29) Chloroform	5.76	83	1585660	8.855	ppbv	96
30) Cyclohexane	7.15	84	750928	9.761	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1007810	9.556	ppbv	97
32) 1,1,1-Trichloroethane	6.53	97	1633706	8.789	ppbv	100
34) 2-Butanone	5.24	43	1444790	9.365	ppbv	99
35) Carbon Tetrachloride	7.03	117	1747895	8.928	ppbv	94
36) Benzene	6.91	78	1774155	9.428	ppbv	99
37) 1,2-Dichloroethane	6.32	62	1369951	8.965	ppbv	100
38) Trichloroethene	7.86	130	735856	9.680	ppbv	98
39) 1,2-Dichloropropane	7.64	63	747693	9.663	ppbv	99
40) 1,4-Dioxane	7.86	88	237014	7.568	ppbv #	90
41) Tetrahydrofuran	6.05	42	796669	10.067	ppbv	99
42) Bromodichloromethane	7.82	83	1752279	9.319	ppbv	99
43) Methyl Methacrylate	8.04	69	774147	10.085	ppbv	99

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Manual Integrations
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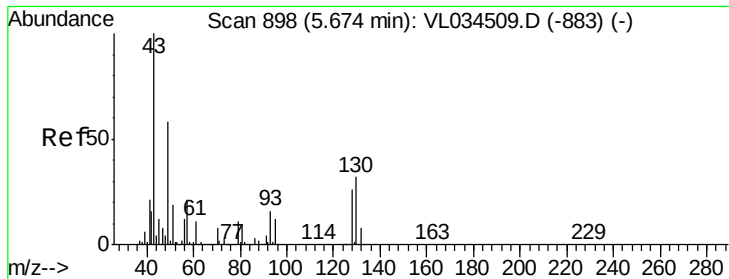
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Quant Time: Dec 31 05:33:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 31 2019
 QLast Update : Mon Dec 30 14:58:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.89	57	3211991	9.227	ppbv	100
45) t-1,3-Dichloropropene	9.31	75	1013794	10.253	ppbv	100
46) cis-1,3-Dichloropropene	8.74	75	1146226	10.141	ppbv	96
47) 1,1,2-Trichloroethane	9.51	97	768252	9.007	ppbv	99
48) Dibromochloromethane	10.35	129	1464233	9.902	ppbv	99
49) Bromoform	13.10	173	1314697	9.821	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	2153755	9.617	ppbv	99
51) 2-Hexanone	10.17	43	1797296	9.942	ppbv #	99
52) Tetrachloroethene	11.27	164	688360	9.373	ppbv	95
53) Toluene	9.84	91	2080608	10.064	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1231000	9.917	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.18	131	992574	9.563	ppbv	99
57) Chlorobenzene	12.19	112	1625435	9.164	ppbv	100
58) Ethyl Benzene	12.76	91	2906761	10.025	ppbv	99
59) m/p-Xylene	13.05	91	4858841m	19.163	ppbv	
60) o-Xylene	13.74	91	2497751	9.817	ppbv	99
61) Styrene	13.58	104	1760956	10.123	ppbv	99
62) Isopropylbenzene	14.72	105	3272516	9.833	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	1773538	8.689	ppbv	99
64) n-propylbenzene	15.62	120	850385	10.007	ppbv	99
65) tert-Butylbenzene	16.81	119	2981844	9.917	ppbv	100
66) Benzyl Chloride	17.05	91	1430642	10.856	ppbv	100
67) sec-Butylbenzene	17.35	105	4102043	9.714	ppbv	100
69) p-Isopropyltoluene	17.71	119	3463863	10.114	ppbv	99
70) n-Butylbenzene	18.61	91	3627017	9.815	ppbv	100
71) 2-Chlorotoluene	15.51	91	2589206	10.018	ppbv	100
72) 4-Ethyltoluene	15.90	105	2853487	10.022	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	2759075	9.878	ppbv	97
74) 1,2,4-Trimethylbenzene	16.82	105	2868152	9.599	ppbv	96
75) 1,3-Dichlorobenzene	17.06	146	1626303	9.087	ppbv	98
76) 1,4-Dichlorobenzene	17.20	146	1616813	9.383	ppbv	99
77) 1,2-Dichlorobenzene	17.88	146	1587597	9.439	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	1322266	8.282	ppbv	98
79) Naphthalene	22.28	128	2287449	10.164	ppbv	99
80) Naphthalene, 2-methyl-	25.03	142	480354	7.705	ppbv #	93
81) 1,2,4-Trichlorobenzene	22.01	180	1325086	9.042	ppbv	99

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



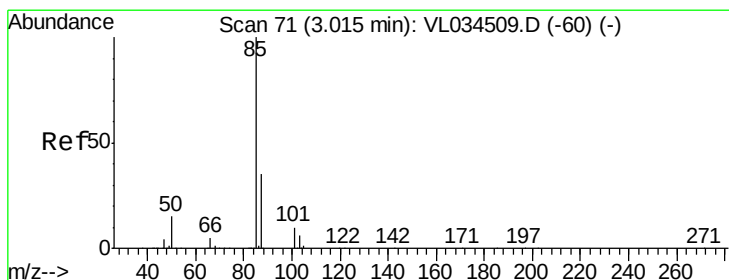
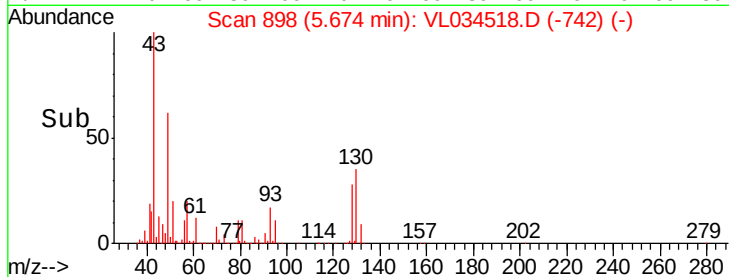
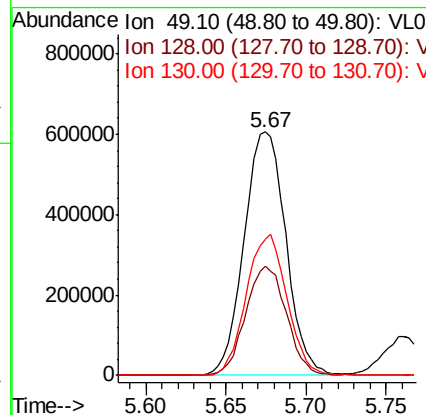
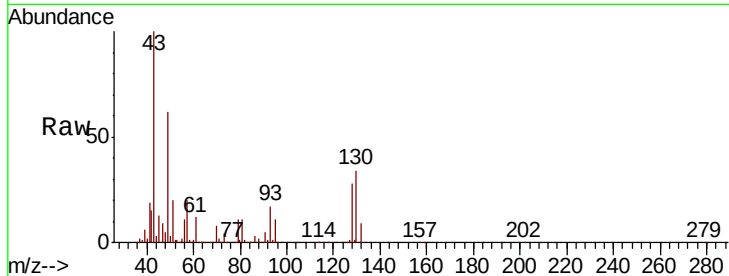
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 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 898
 Delta R.T. 0.00 min
 Lab File: VL034518.D
 Acq: 30 Dec 2019 18:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1230ABS01

Tot Ion: 49 Resp: 1077702
 Ion Ratio Lower Upper
 49 100
 128 44.1 22.4 67.2
 130 56.4 28.3 85.0

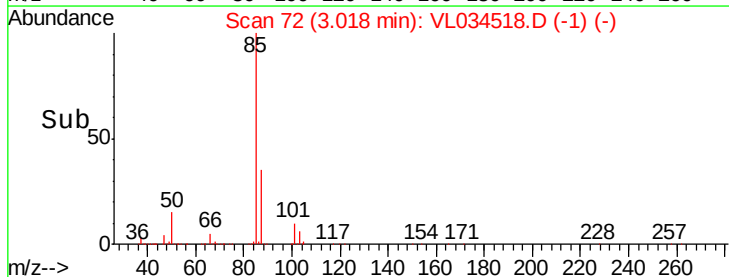
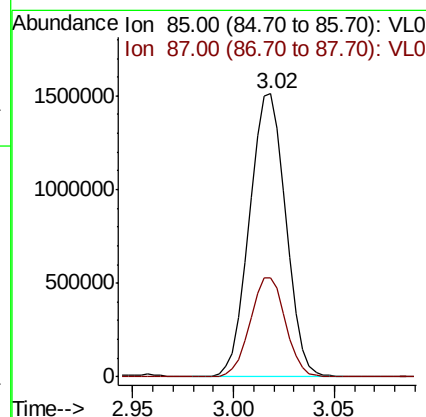
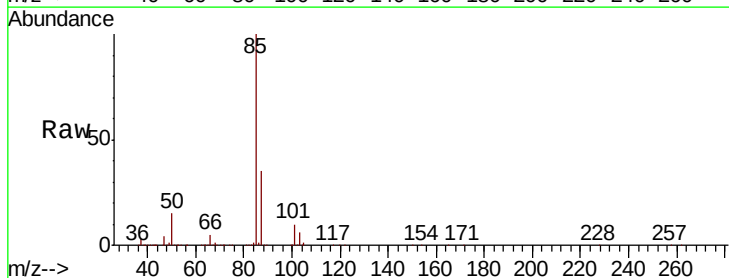
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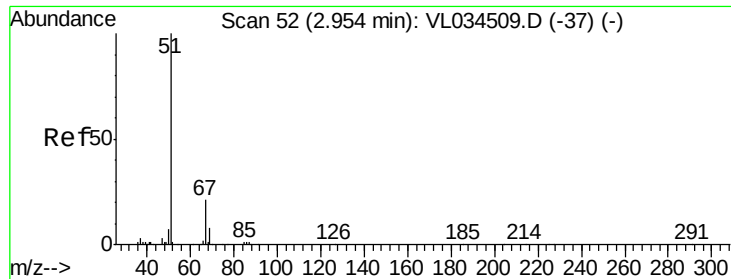
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#2
 Dichlorodifluoromethane
 Concen: 11.291 ppbv
 RT: 3.02 min Scan# 72
 Delta R.T. 0.00 min
 Lab File: VL034518.D
 Acq: 30 Dec 2019 18:31

Tgt Ion: 85 Resp: 1919086
 Ion Ratio Lower Upper
 85 100
 87 34.9 27.9 41.9





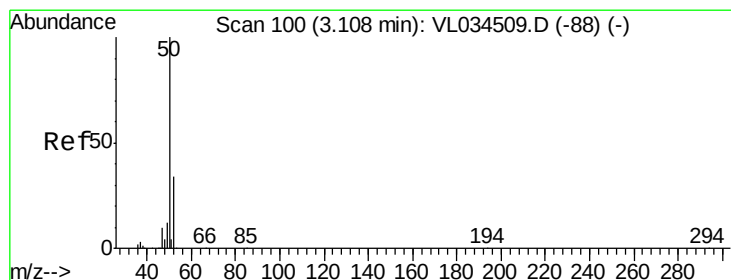
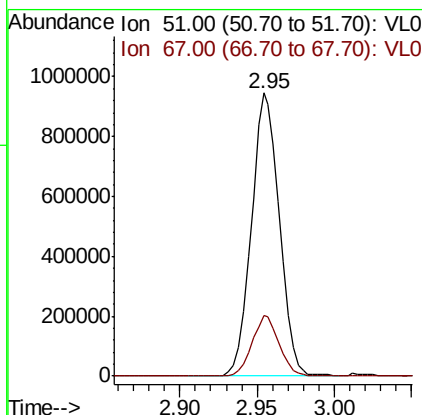
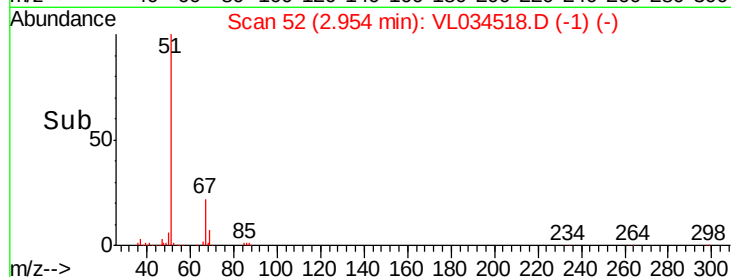
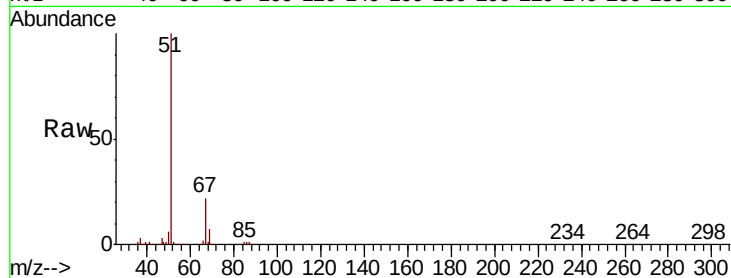
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Chlorodifluoromethane
Concen: 9.277 ppbv
RT: 2.95 min Scan# 52
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tot Ion: 51 Resp: 1191240
Ion Ratio Lower Upper
51 100
67 20.7 16.8 25.2

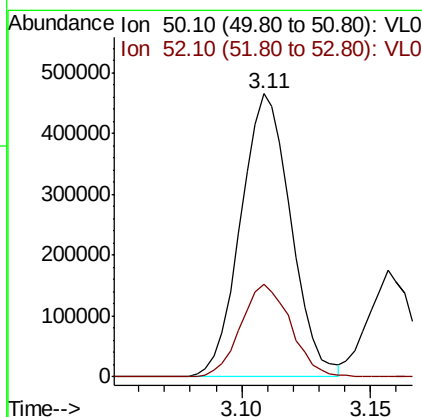
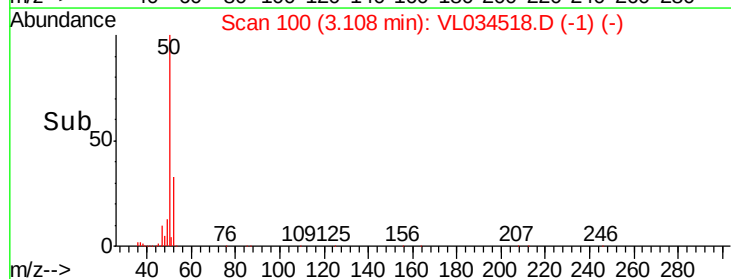
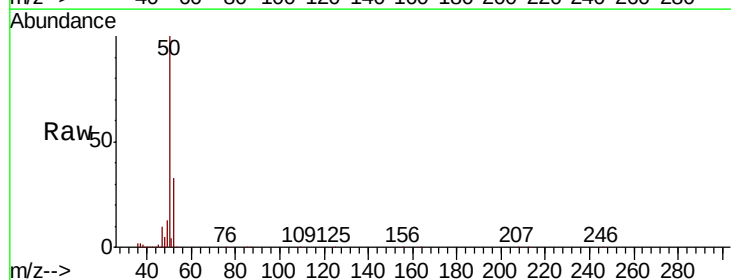
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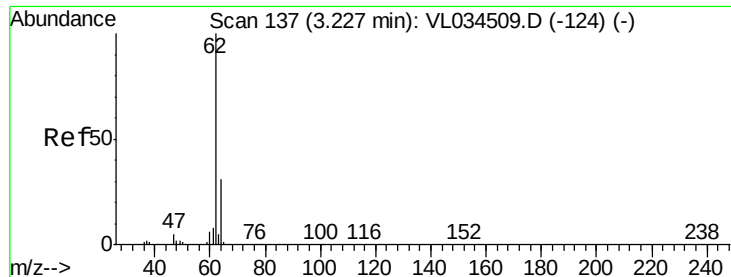
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#4
Chloromethane
Concen: 8.314 ppbv
RT: 3.11 min Scan# 100
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 50 Resp: 634122
Ion Ratio Lower Upper
50 100
52 32.5 27.6 41.4





#5

Vinyl Chloride

Concen: 8.258 ppbv

RT: 3.23 min Scan# 137

Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Instrument :

MSVOA_L

ClientSampleID :

VL1230ABS01

Tot Ion: 62 Resp: 616760

Ion Ratio Lower Upper

62 100

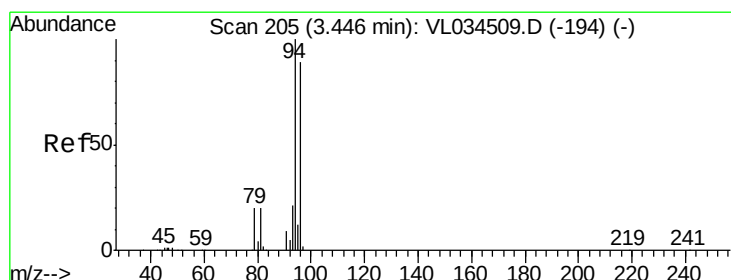
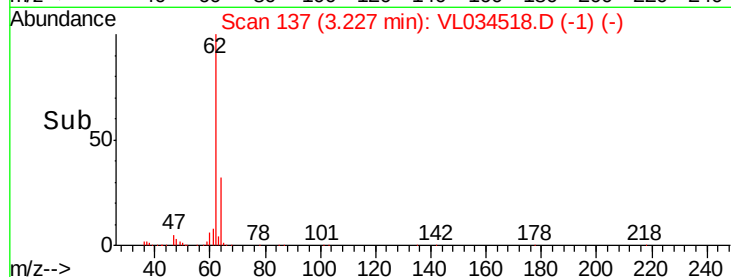
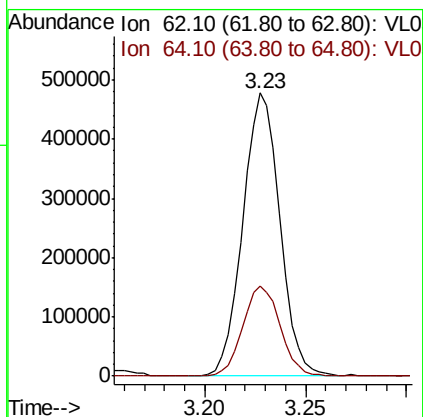
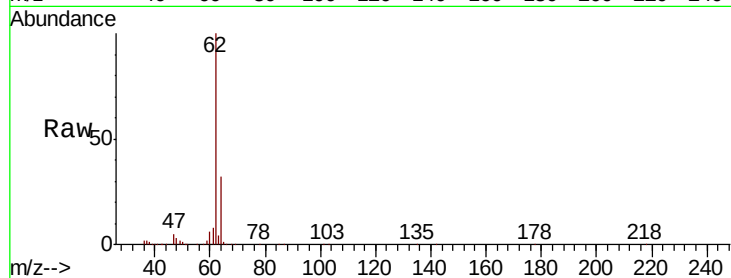
64 31.7 24.9 37.3

Manual Integrations

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#6

Bromomethane

Concen: 9.220 ppbv

RT: 3.45 min Scan# 206

Delta R.T. 0.00 min

Lab File: VL034518.D

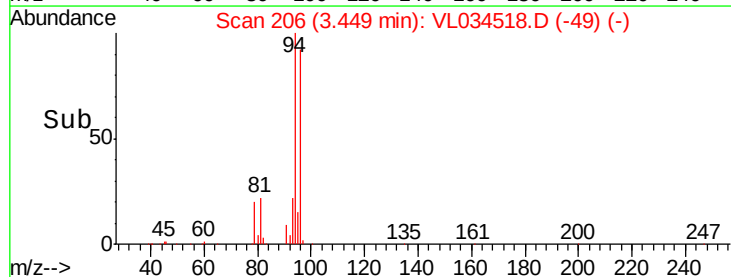
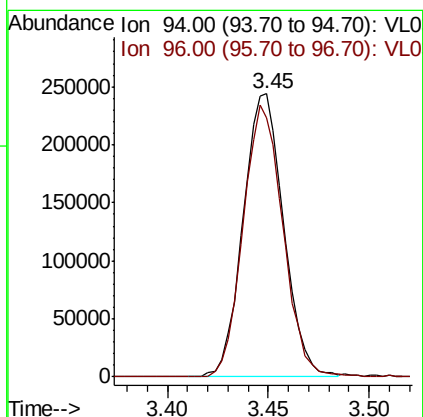
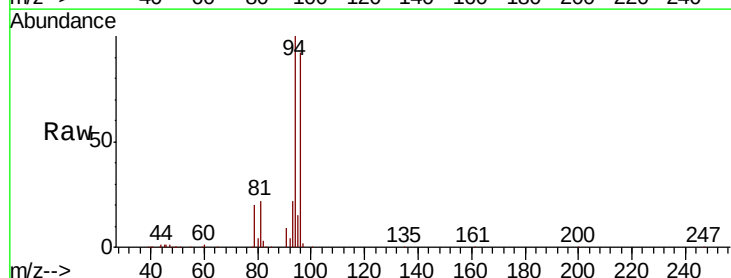
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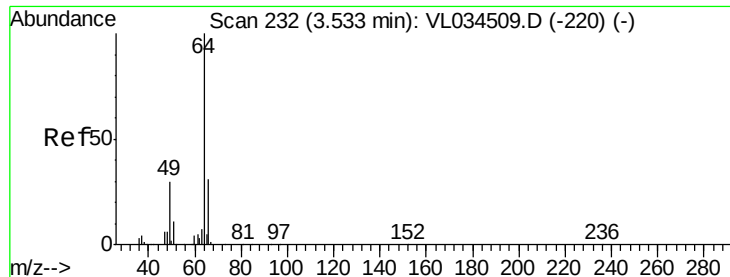
Tgt Ion: 94 Resp: 342775

Ion Ratio Lower Upper

94 100

96 91.4 71.2 106.8





#7

Chloroethane

Concen: 8.996 ppbv

RT: 3.53 min Scan# 232

Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Instrument :

MSVOA_L

ClientSampleId :

VL1230ABS01

Tot Ion: 64 Resp: 234137

Ion Ratio Lower Upper

64 100

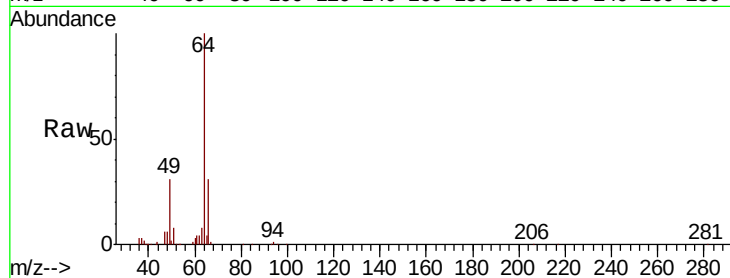
66 31.2 25.0 37.4

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.53

200000

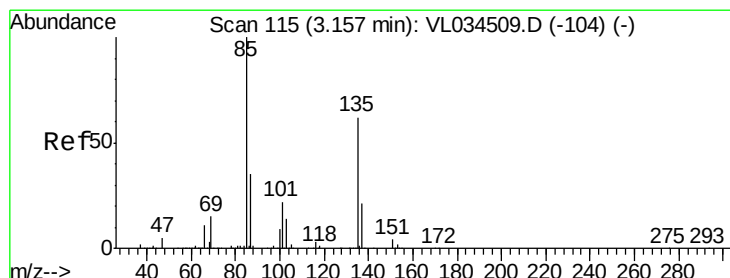
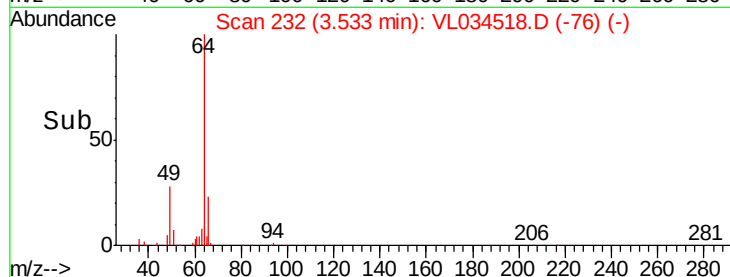
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.699 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.00 min

Lab File: VL034518.D

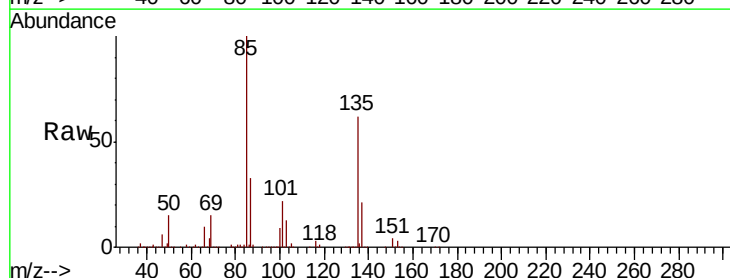
Acq: 30 Dec 2019 18:31

Tgt Ion: 85 Resp: 1482824

Ion Ratio Lower Upper

85 100

135 64.0 51.8 77.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

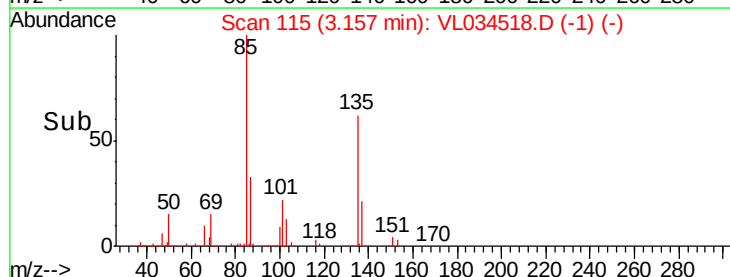
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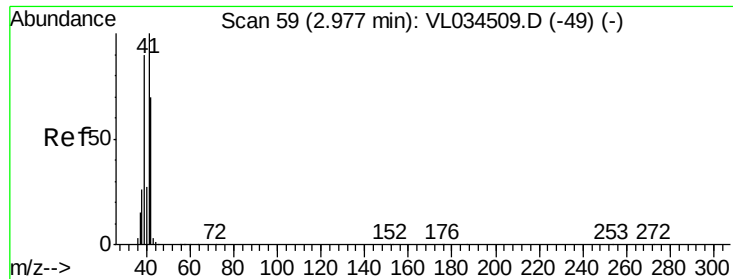
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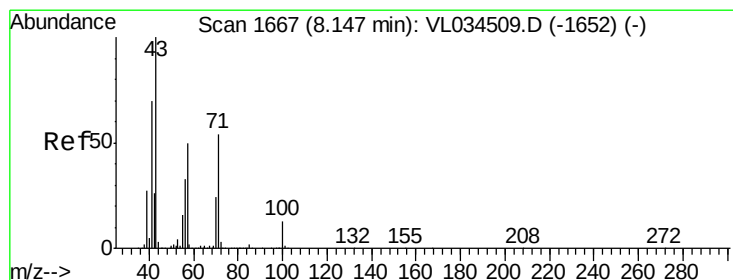
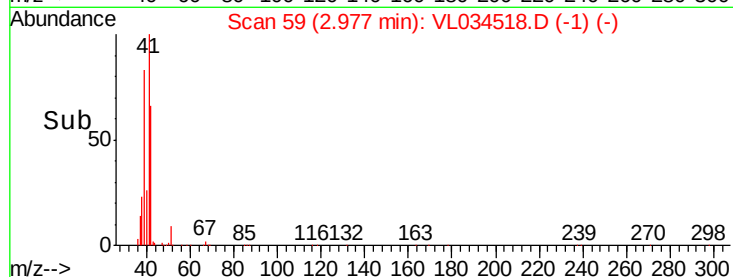
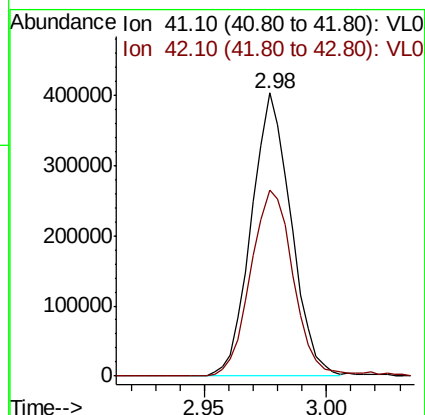
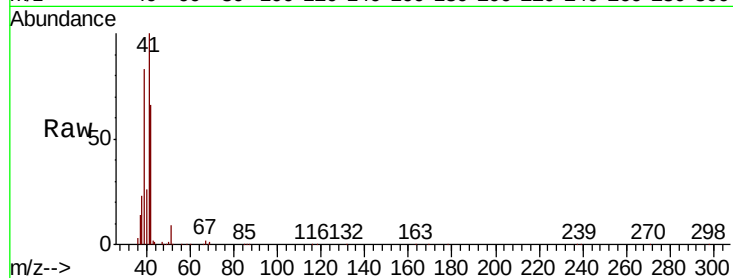
#9
 Propene
 Concen: 9.169 ppbv
 RT: 2.98 min Scan# 59
 Delta R.T. 0.00 min
 Lab File: VL034518.D
 Acq: 30 Dec 2019 18:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1230ABS01

Tot Ion: 41 Resp: 453909
 Ion Ratio Lower Upper
 41 100
 42 71.5 55.8 83.6

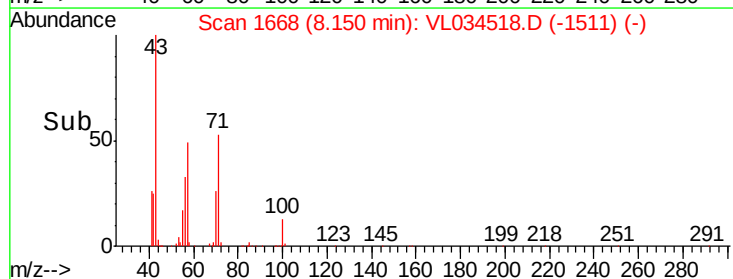
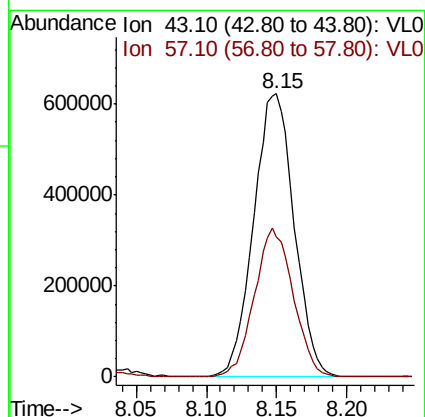
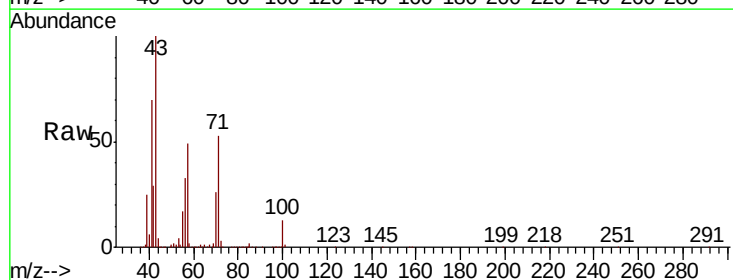
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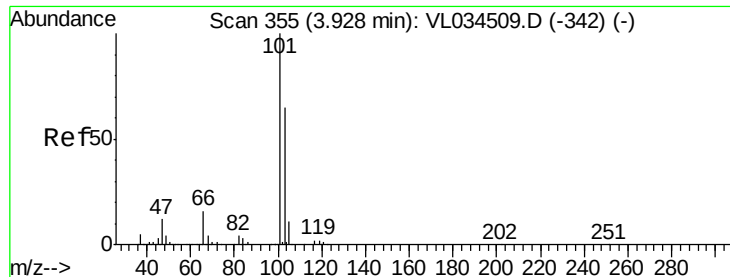
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#10
 Heptane
 Concen: 9.744 ppbv
 RT: 8.15 min Scan# 1668
 Delta R.T. 0.00 min
 Lab File: VL034518.D
 Acq: 30 Dec 2019 18:31

Tgt Ion: 43 Resp: 1245720
 Ion Ratio Lower Upper
 43 100
 57 50.8 41.0 61.6





#11

Trichlorofluoromethane

Concen: 8.658 ppbv

RT: 3.93 min Scan# 356

Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Instrument :

MSVOA_L

ClientSampleId :

VL1230ABS01

Tot Ion:101 Resp: 1702842

Ion Ratio Lower Upper

101 100

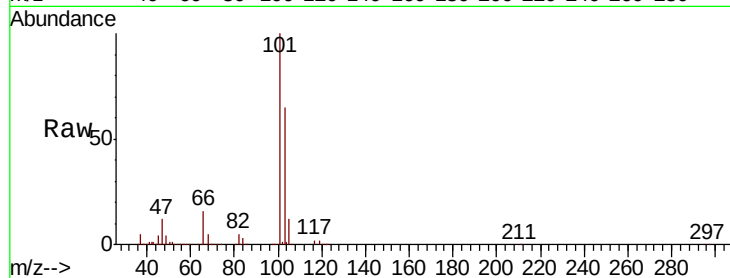
103 65.4 52.1 78.1

Manual Integrations

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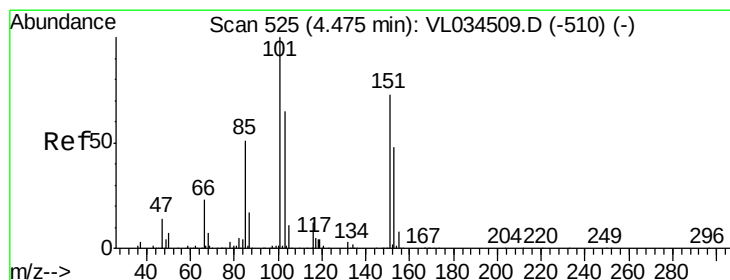
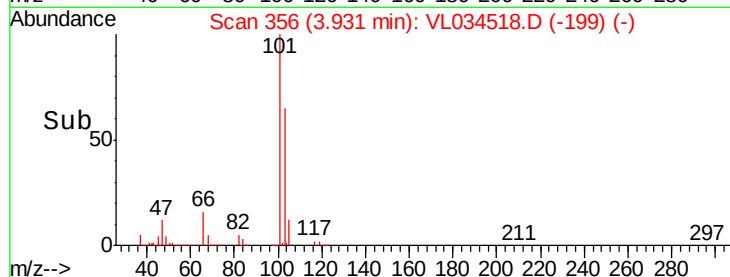
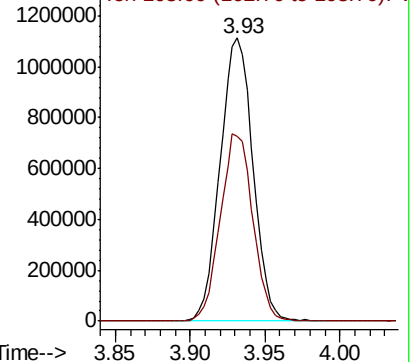
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.065 ppbv

RT: 4.47 min Scan# 524

Delta R.T. -0.00 min

Lab File: VL034518.D

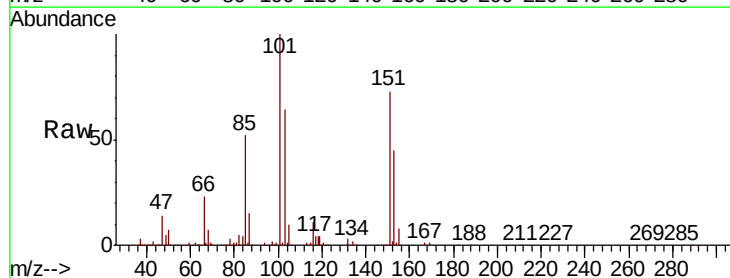
Acq: 30 Dec 2019 18:31

Tgt Ion:101 Resp: 1134005

Ion Ratio Lower Upper

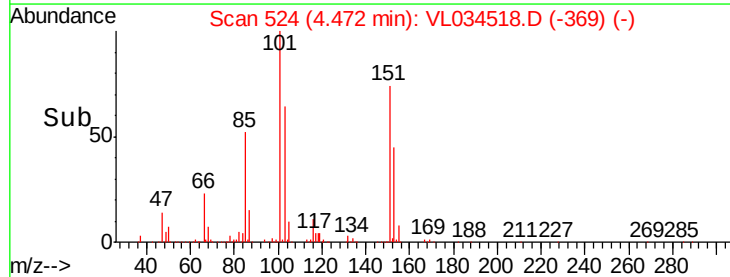
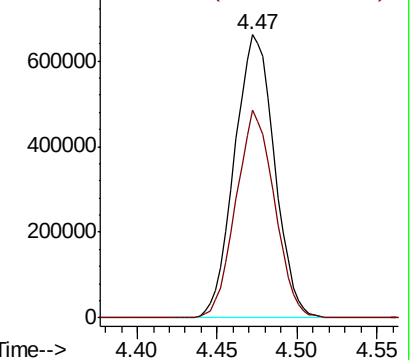
101 100

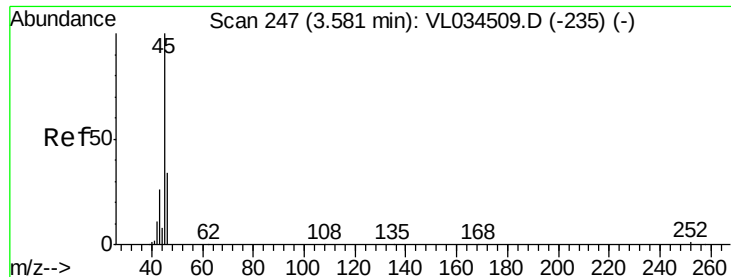
151 70.8 57.8 86.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





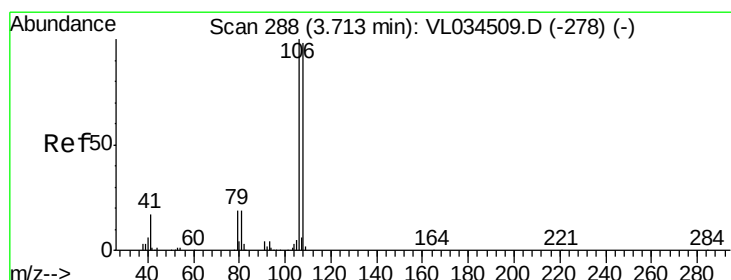
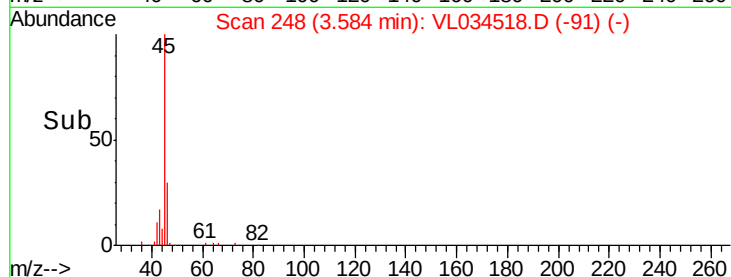
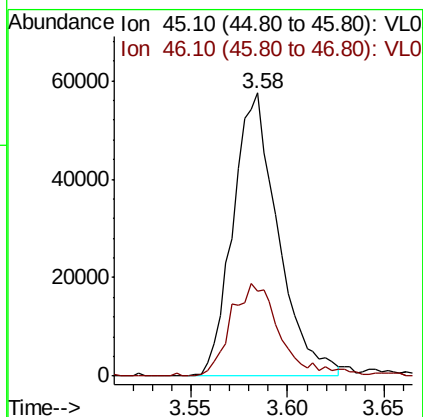
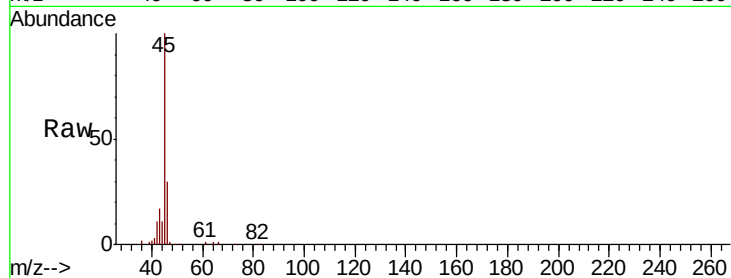
#13
Ethanol
Concen: 6.780 ppbv
RT: 3.58 min Scan# 248
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.4	14.9	59.7

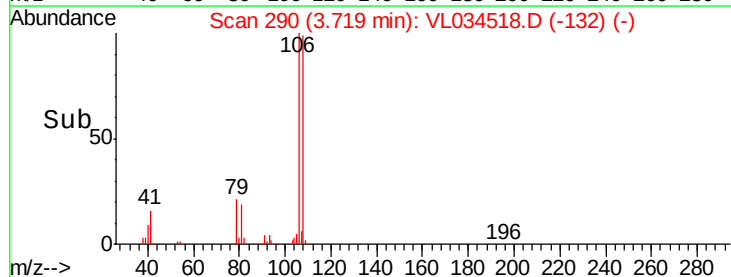
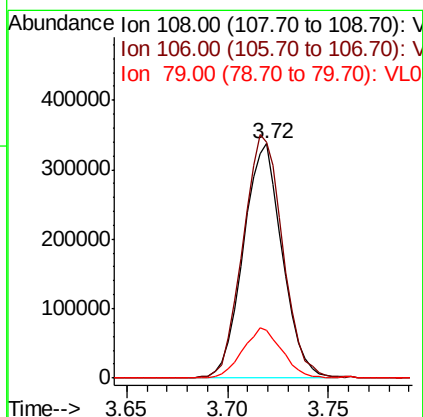
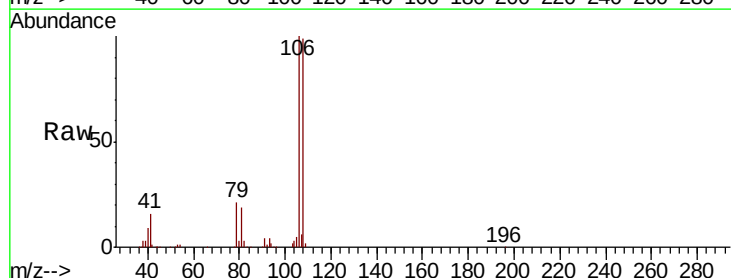
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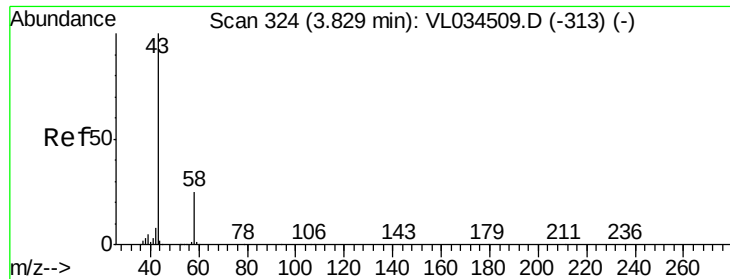
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#14
Bromoethene
Concen: 9.025 ppbv
RT: 3.72 min Scan# 290
Delta R.T. 0.01 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.7	85.2	127.8
79	22.2	17.4	26.2





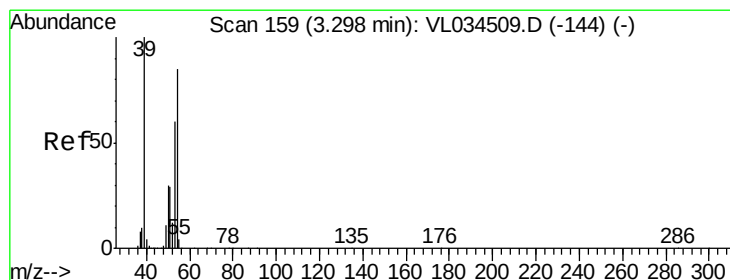
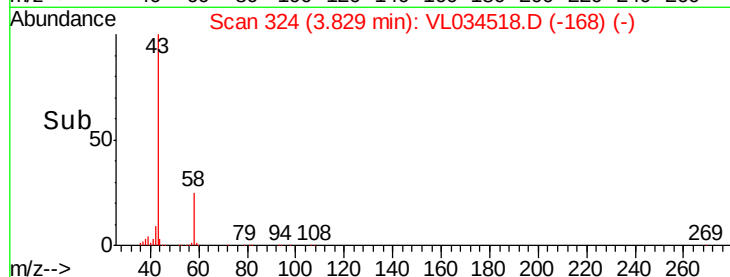
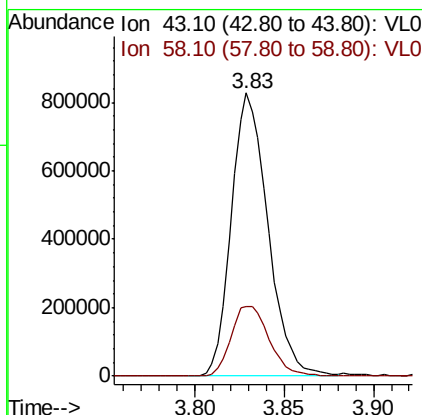
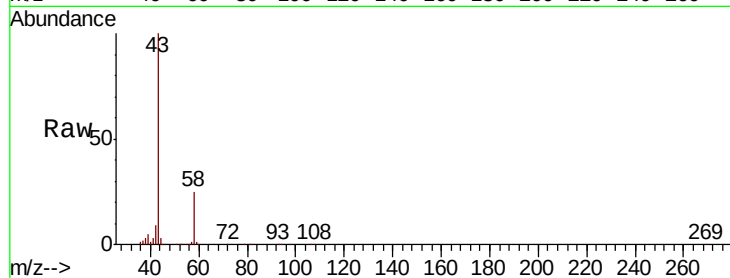
#15
Acetone
Concen: 7.527 ppbv
RT: 3.83 min Scan# 324
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tot Ion: 43 Resp: 1183821
Ion Ratio Lower Upper
43 100
58 26.2 20.4 30.6

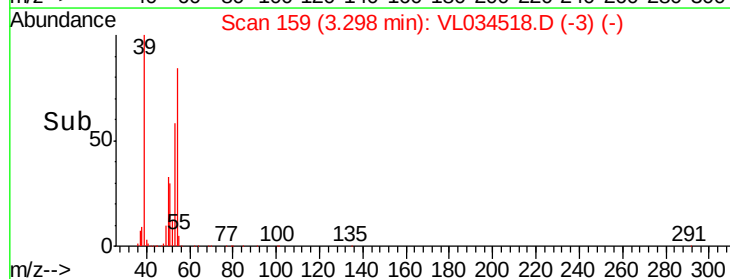
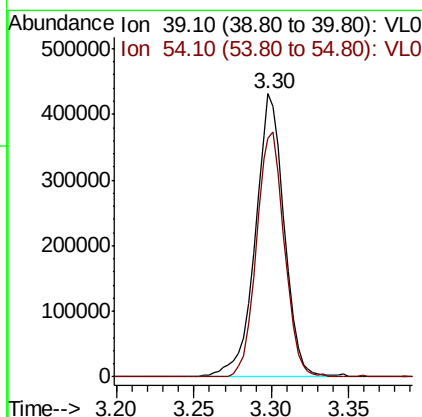
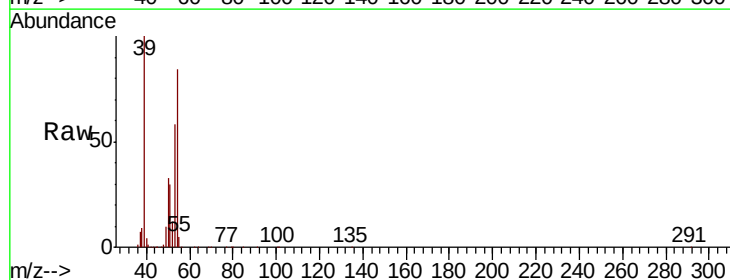
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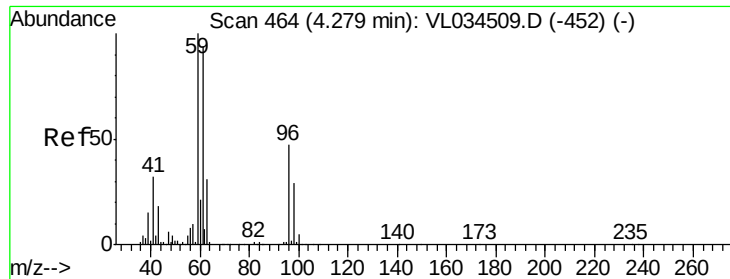
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#16
1,3-Butadiene
Concen: 9.291 ppbv
RT: 3.30 min Scan# 159
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 39 Resp: 561995
Ion Ratio Lower Upper
39 100
54 83.7 66.2 99.2





#17

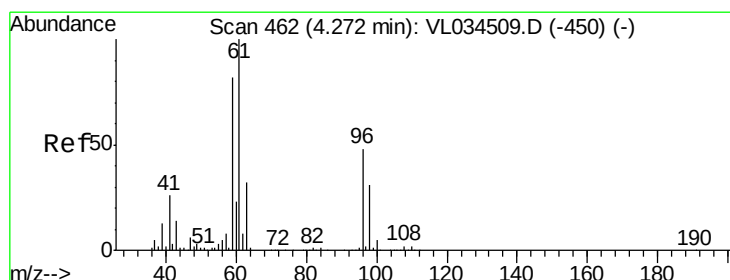
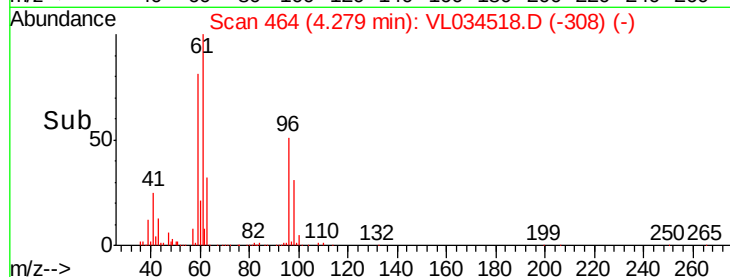
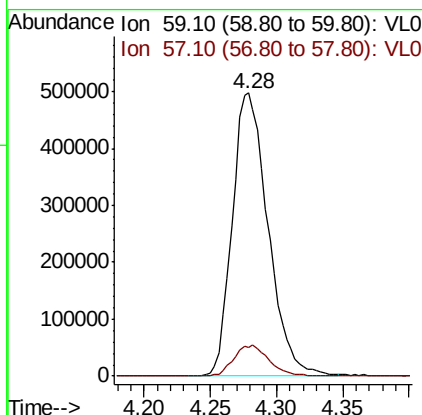
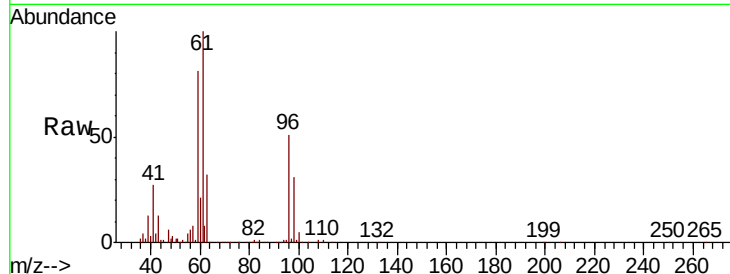
tert-Butyl alcohol
 Concen: 7.399 ppbv
 RT: 4.28 min Scan# 464
 Delta R.T. 0.00 min
 Lab File: VL034518.D
 Acq: 30 Dec 2019 18:31

Instrument :
 MSVOA_L
 ClientSampled :
 VL1230ABS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8

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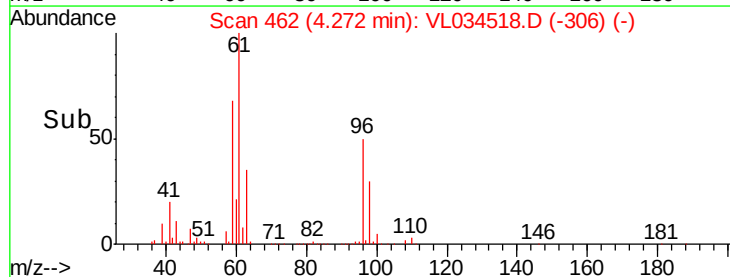
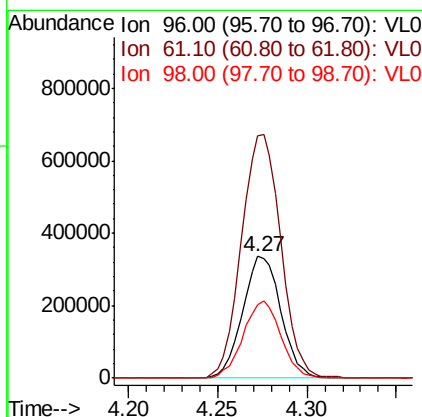
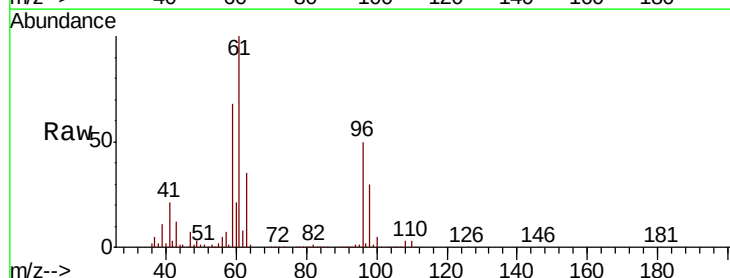
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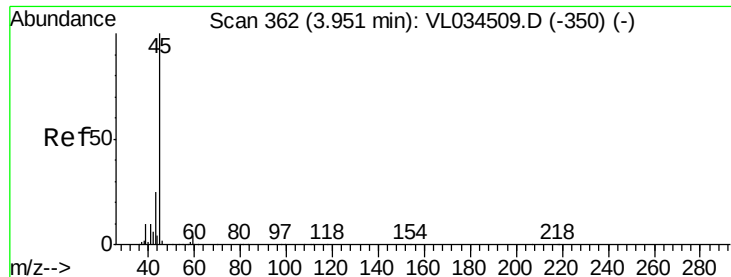


#18

1,1-Dichloroethene
 Concen: 9.225 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. 0.00 min
 Lab File: VL034518.D
 Acq: 30 Dec 2019 18:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	198.8	165.9	248.9
98	60.6	51.9	77.9





#19

Isopropyl Alcohol

Concen: 6.688 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Instrument :

MSVOA_L

ClientSampleId :

VL1230ABS01

Tot Ion: 45 Resp: 680908

Ion Ratio Lower Upper

45 100

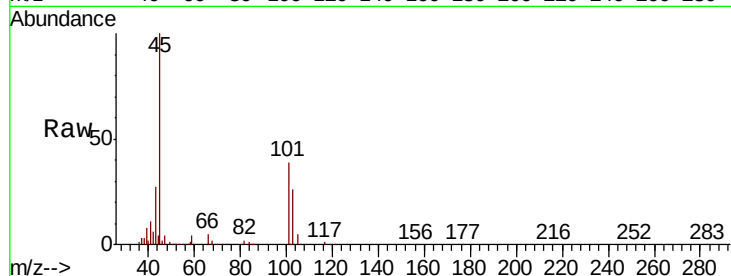
58 2.2 1.4 2.0#

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.95

400000

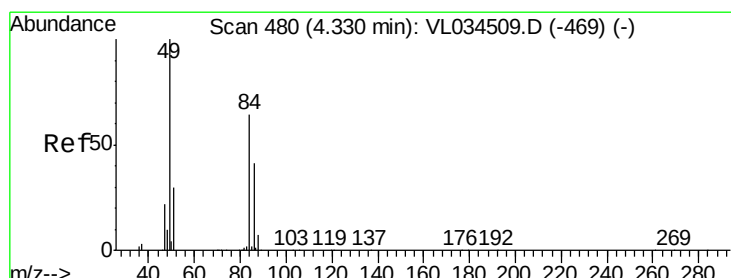
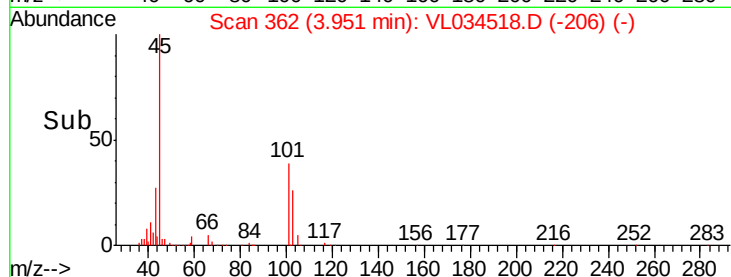
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 7.148 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Tgt Ion: 84 Resp: 442361

Ion Ratio Lower Upper

84 100

49 152.5 124.4 186.6

51 47.1 37.0 55.6

86 62.4 50.9 76.3

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

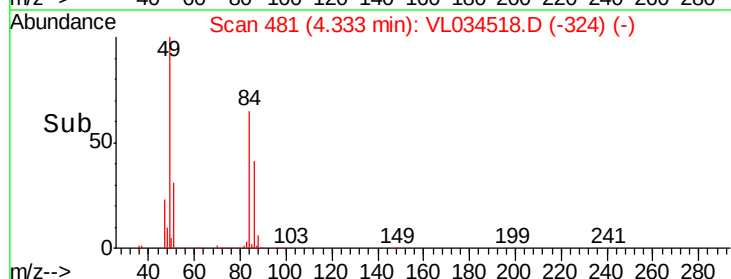
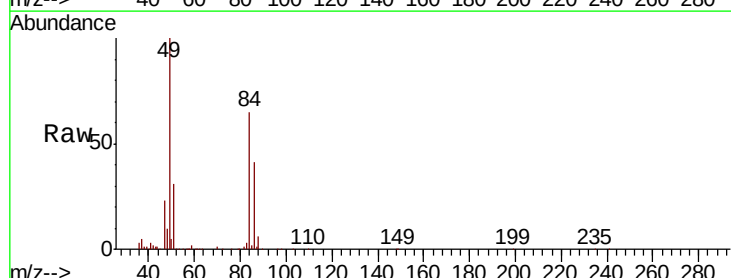
600000

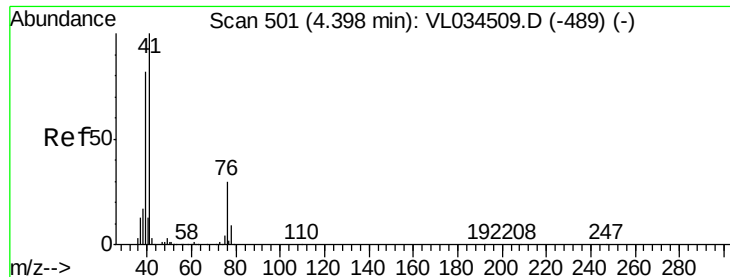
400000

200000

0

Time-->





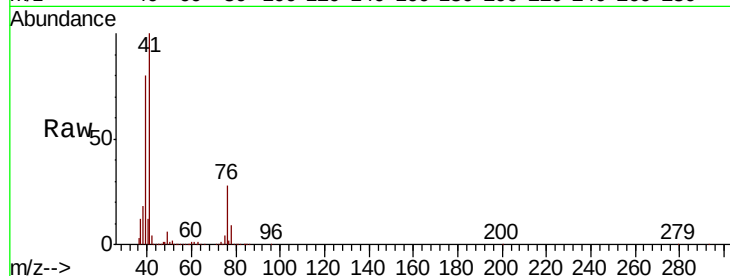
#21
Allvl Chloride
Concen: 9.076 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

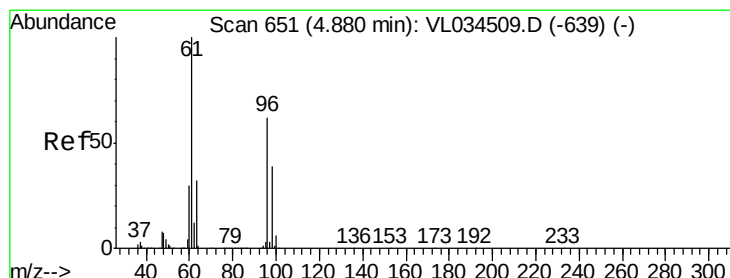
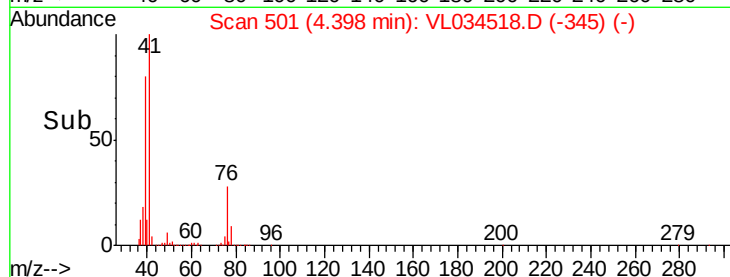
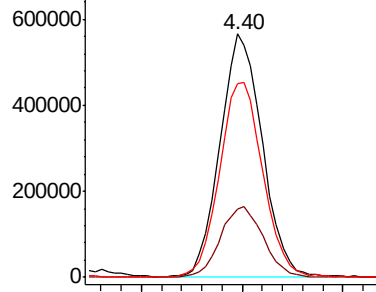
Tot Ion	Ratio	Lower	Upper
41	100		
76	29.9	24.2	36.4
39	83.1	65.8	98.6

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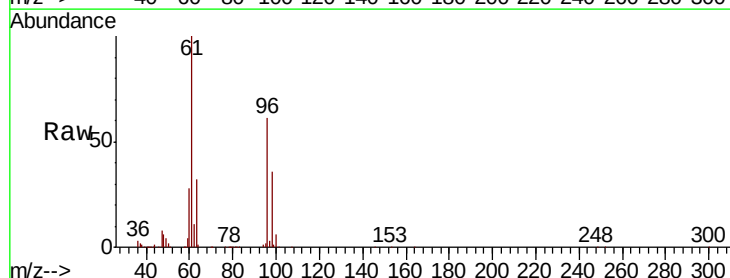


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

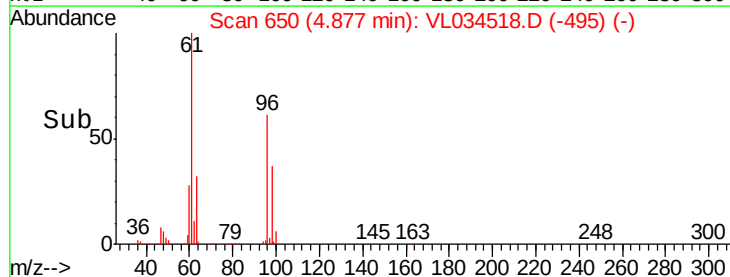
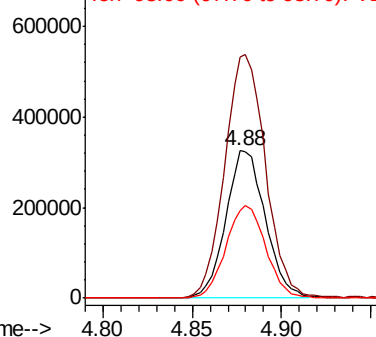


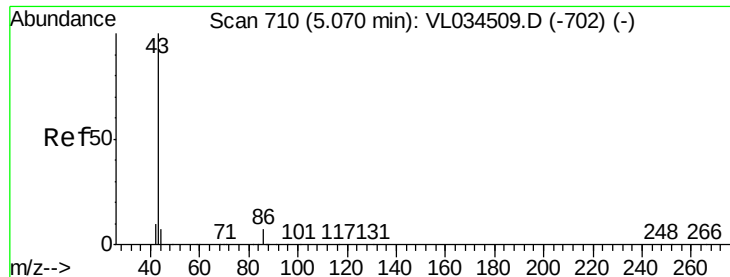
#22
trans-1,2-Dichloroethene
Concen: 9.079 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.1	128.4	192.6
98	59.7	50.6	75.8



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.714 ppbv

RT: 5.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Instrument :

MSVOA_L

ClientSampleId :

VL1230ABS01

Tot Ion: 43 Resp: 1763910

Ion Ratio Lower Upper

43 100

86 7.4 5.4 8.2

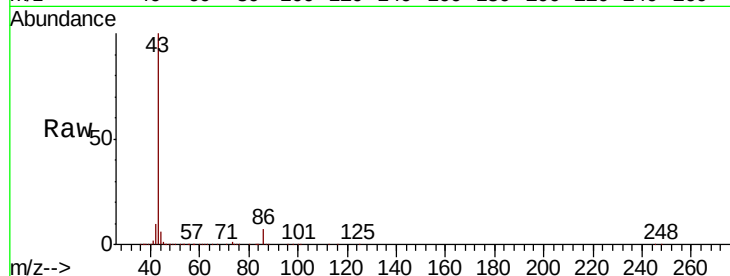
42 10.3 8.9 13.3

44 5.5 5.0 7.4

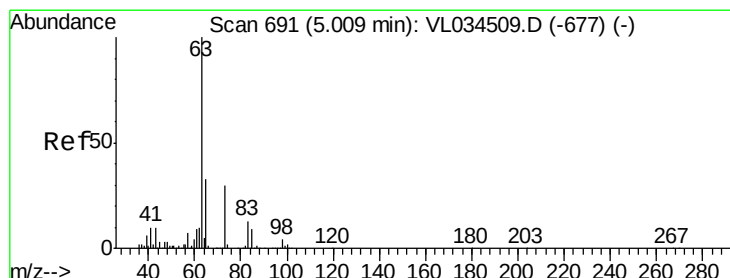
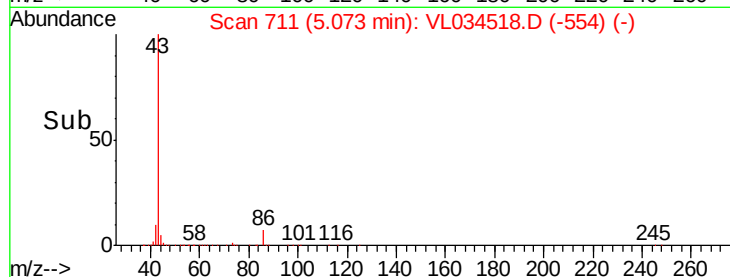
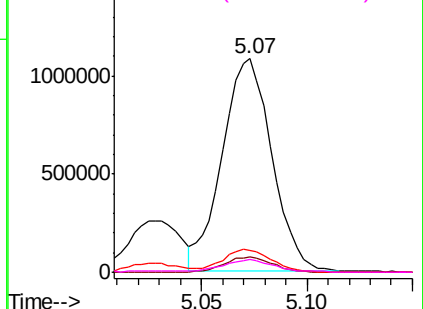
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.839 ppbv

RT: 5.01 min Scan# 691

Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

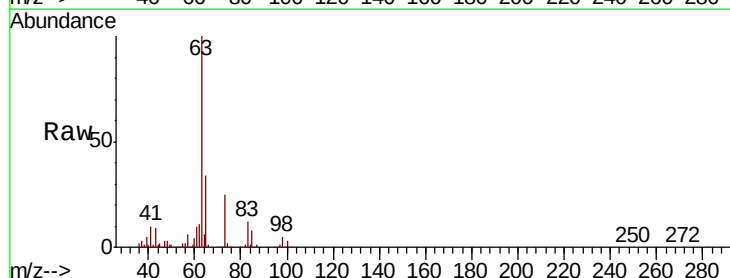
Tgt Ion: 63 Resp: 1289468

Ion Ratio Lower Upper

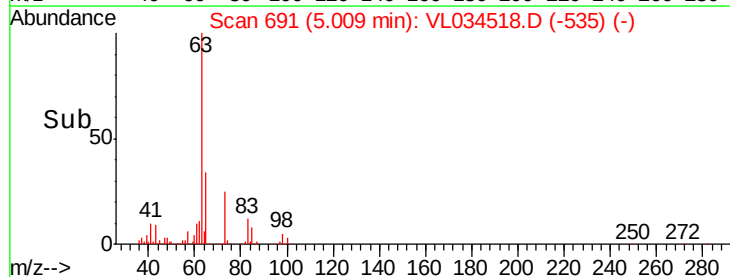
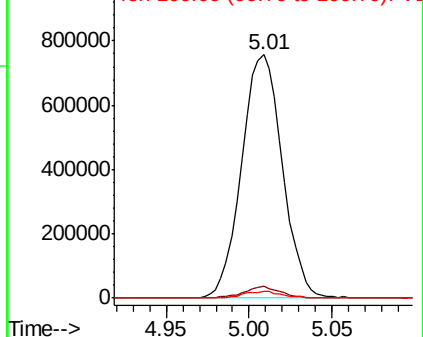
63 100

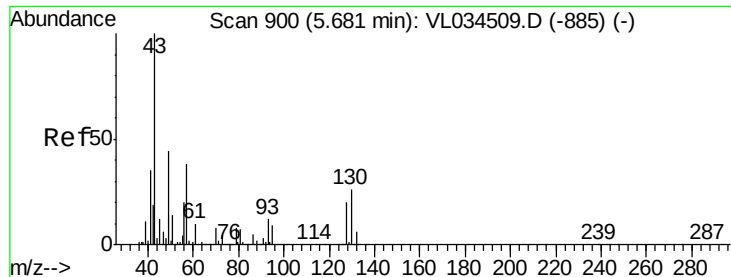
98 4.7 2.1 6.3

100 2.9 1.1 3.3



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





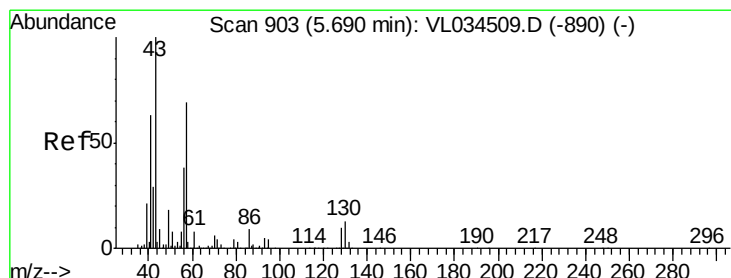
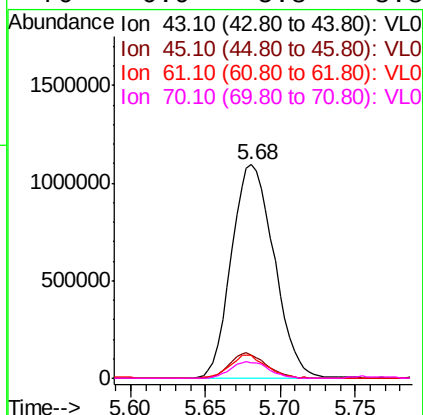
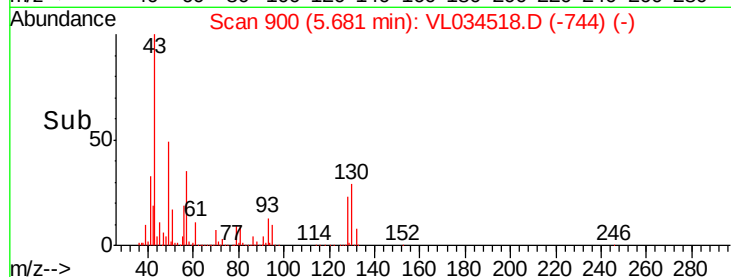
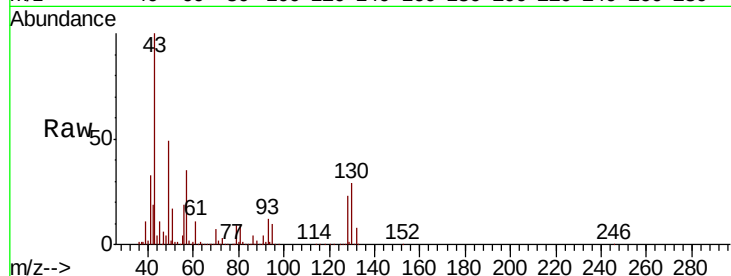
#25
Ethyl Acetate
Concen: 8.825 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.4	8.3	12.5	
61	9.3	7.8	11.6	
70	6.9	5.8	8.8	

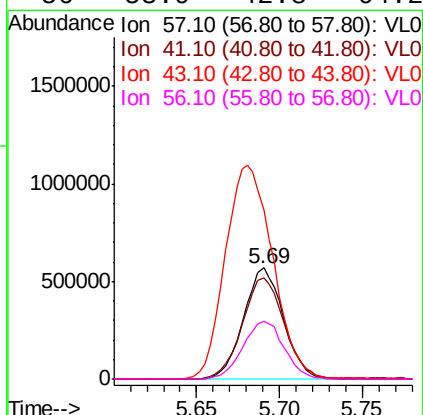
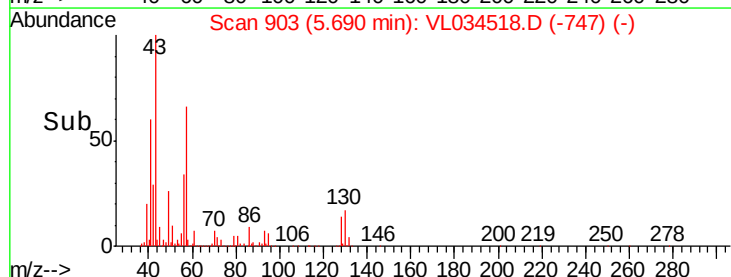
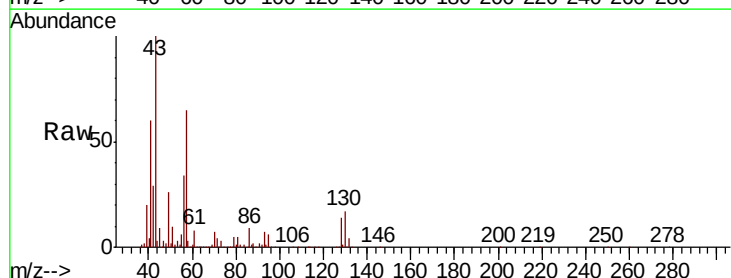
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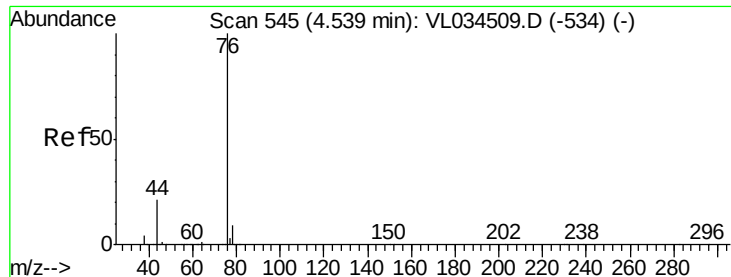
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#26
Hexane
Concen: 9.191 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	96.6	75.3	112.9	
43	229.2	189.4	284.2	
56	53.9	42.8	64.2	





#27

Carbon Disulfide

Concen: 9.642 ppbv

RT: 4.54 min Scan# 546

Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Instrument :

MSVOA_L

ClientSampleId :

VL1230ABS01

Tot Ion: 76 Resp: 1261409

Ion Ratio Lower Upper

76 100

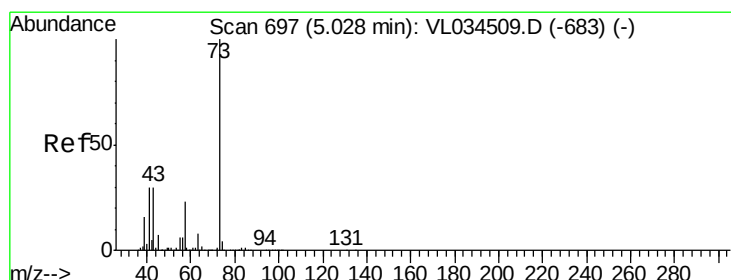
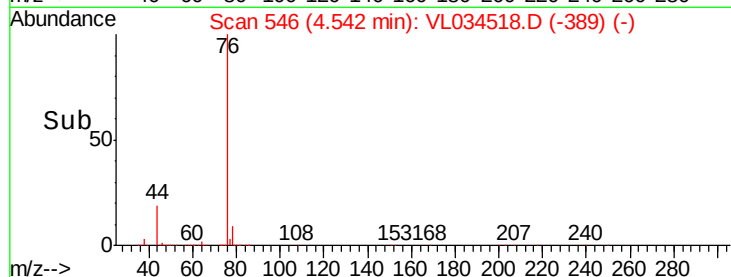
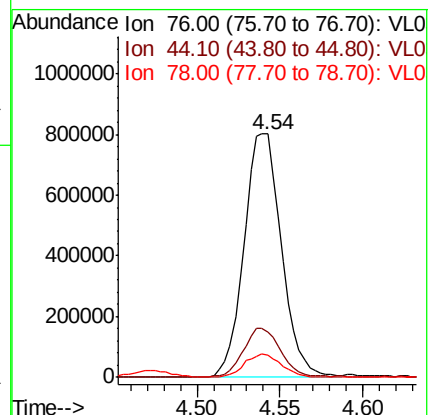
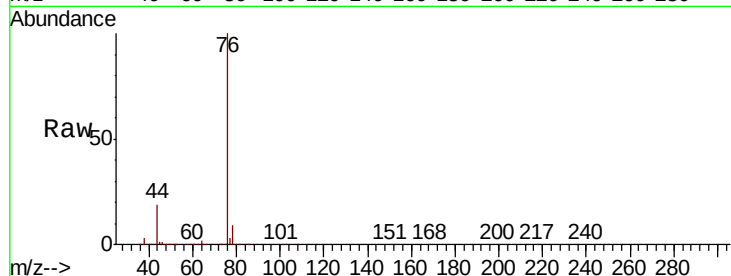
44 20.1 16.6 25.0

78 9.3 7.4 11.0

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#28

Methyl tert-Butyl Ether

Concen: 9.479 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.00 min

Lab File: VL034518.D

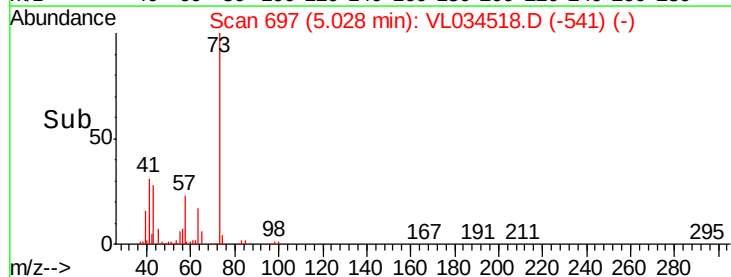
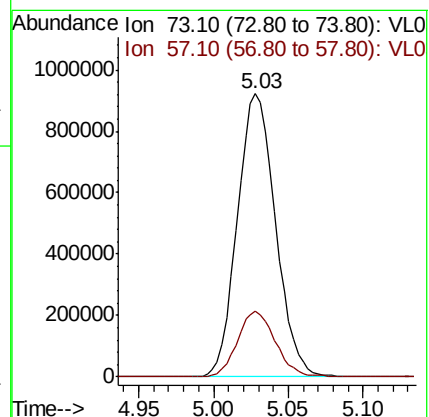
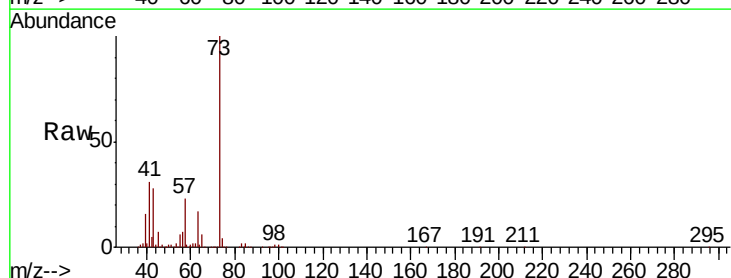
Acq: 30 Dec 2019 18:31

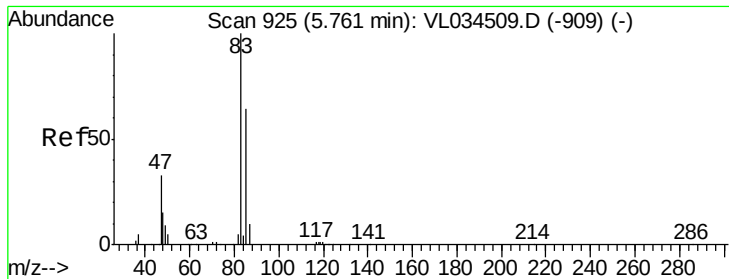
Tgt Ion: 73 Resp: 1638455

Ion Ratio Lower Upper

73 100

57 23.2 18.2 27.2





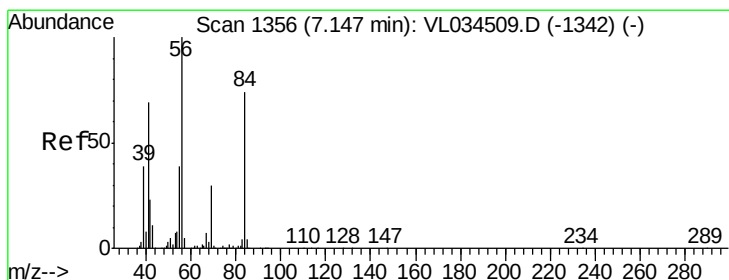
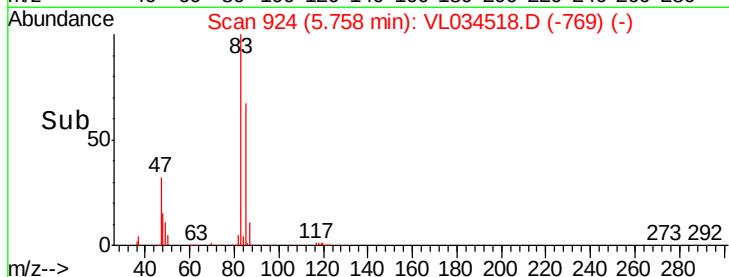
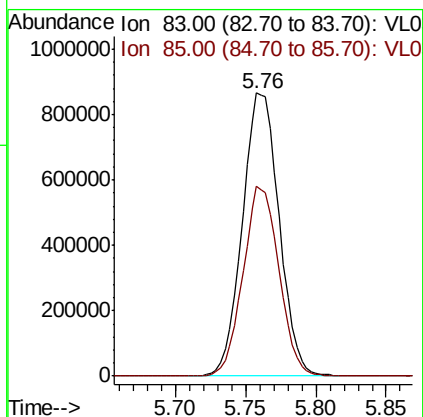
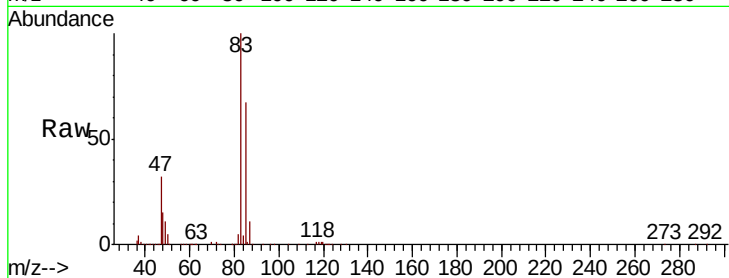
#29
Chloroform
Concen: 8.855 ppbv
RT: 5.76 min Scan# 924
Delta R.T. -0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tot Ion: 83 Resp: 1585660
Ion Ratio Lower Upper
83 100
85 66.9 51.0 76.6

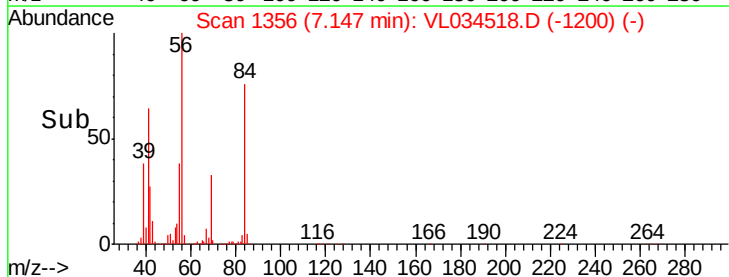
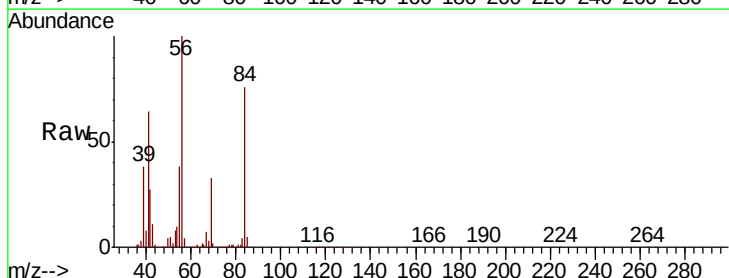
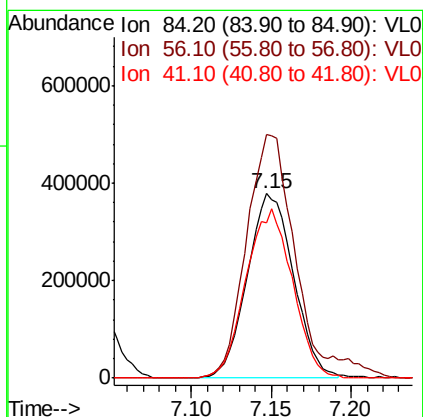
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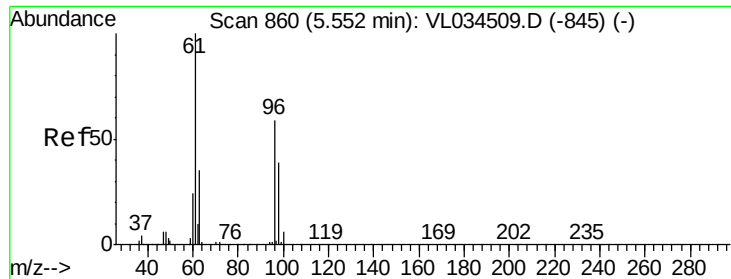
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#30
Cyclohexane
Concen: 9.761 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 84 Resp: 750928
Ion Ratio Lower Upper
84 100
56 141.6 112.7 169.1
41 92.3 73.0 109.4





#31

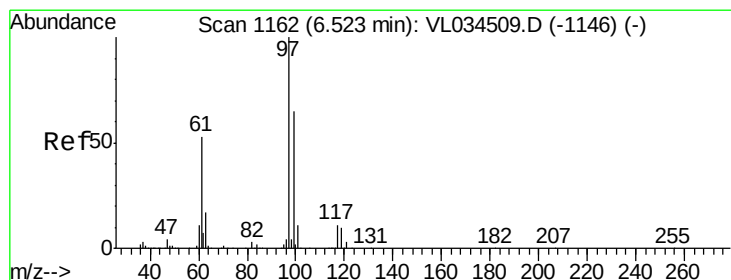
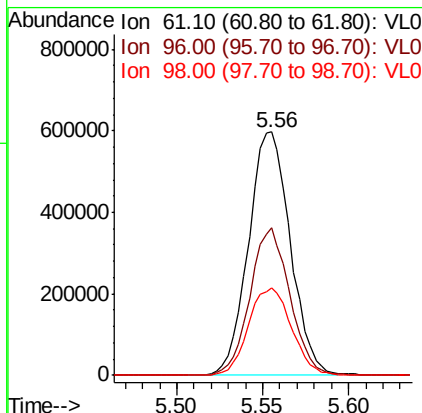
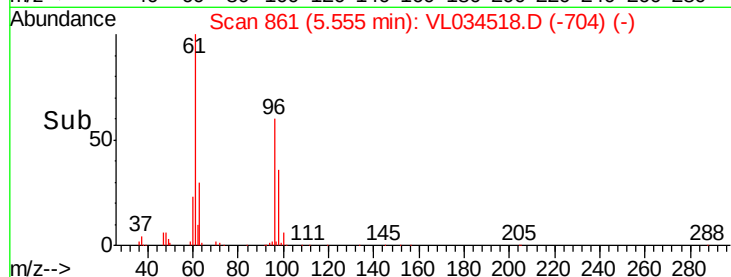
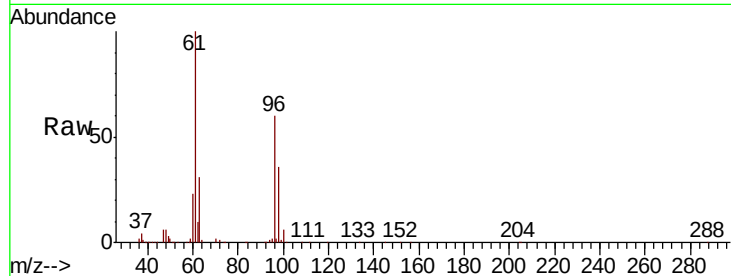
cis-1,2-Dichloroethene
Concen: 9.556 ppbv
RT: 5.56 min Scan# 861
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tot Ion: 61 Resp: 1007810
Ion Ratio Lower Upper
61 100
96 60.4 47.1 70.7
98 36.0 31.0 46.6

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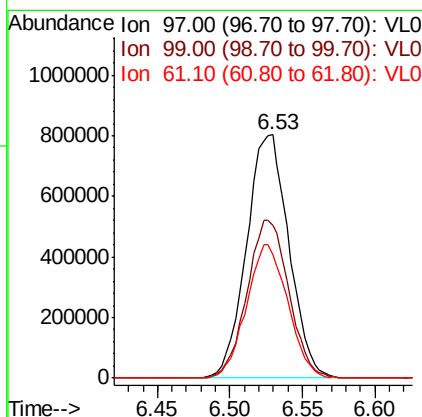
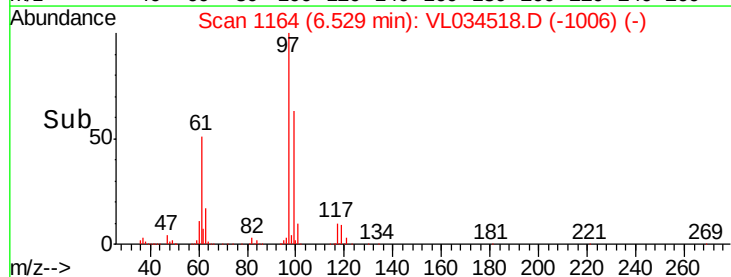
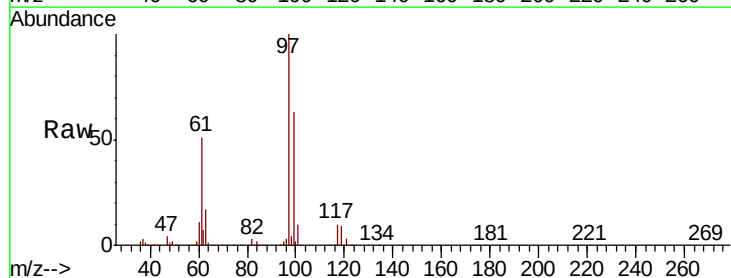
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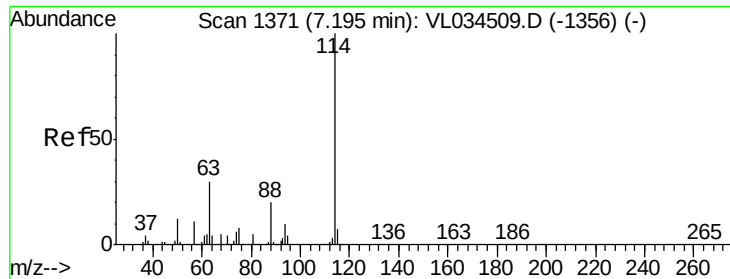


#32

1,1,1-Trichloroethane
Concen: 8.789 ppbv
RT: 6.53 min Scan# 1164
Delta R.T. 0.01 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 97 Resp: 1633706
Ion Ratio Lower Upper
97 100
99 64.1 51.7 77.5
61 53.7 42.9 64.3





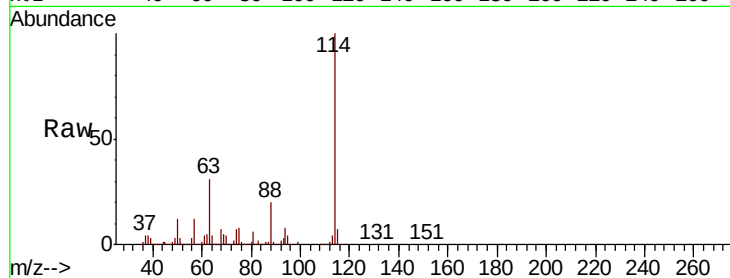
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. 0.00 min
 Lab File: VL034518.D
 Acq: 30 Dec 2019 18:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1230ABS01

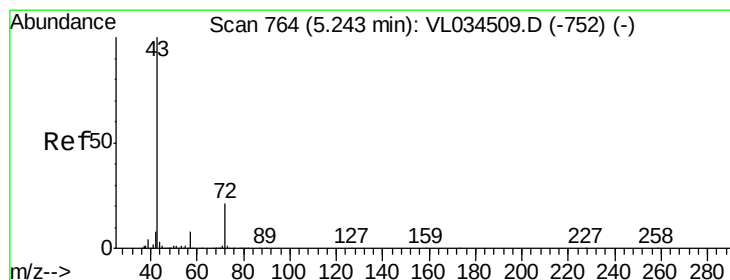
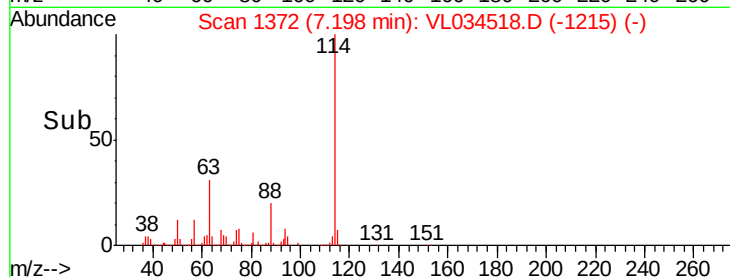
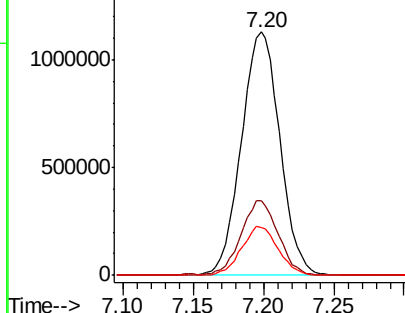
Tot Ion	Ratio	Lower	Upper
114	100		
63	30.2	24.1	36.1
88	19.3	15.7	23.5

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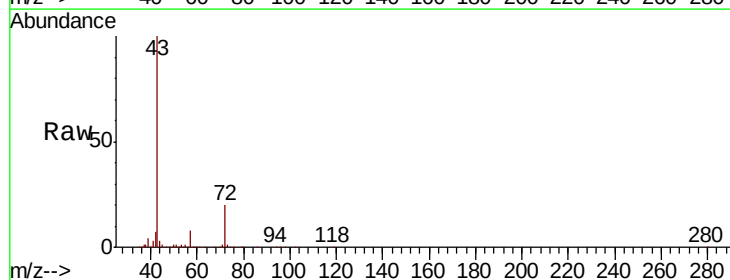


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

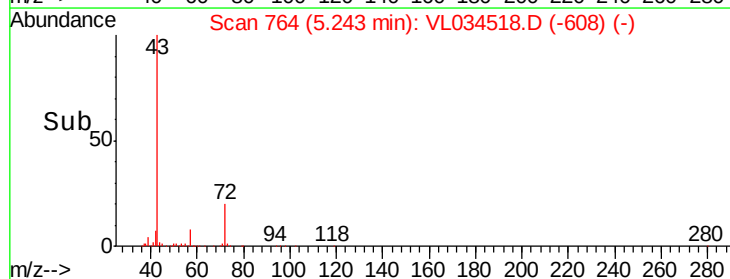
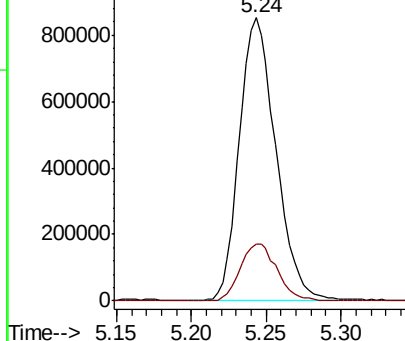


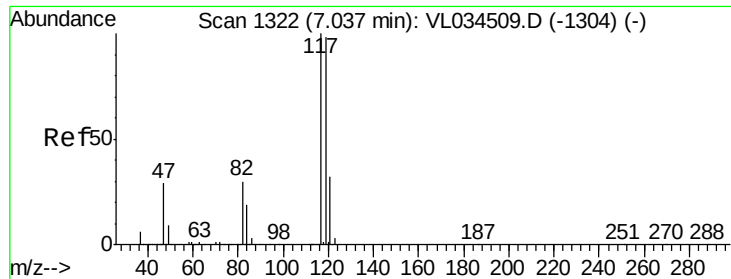
#34
 2-Butanone
 Concen: 9.365 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: VL034518.D
 Acq: 30 Dec 2019 18:31

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.5	17.0	25.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 8.928 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Instrument :

MSVOA_L

ClientSampleId :

VL1230ABS01

Tot Ion:117 Resp: 1747895

Ion Ratio Lower Upper

117 100

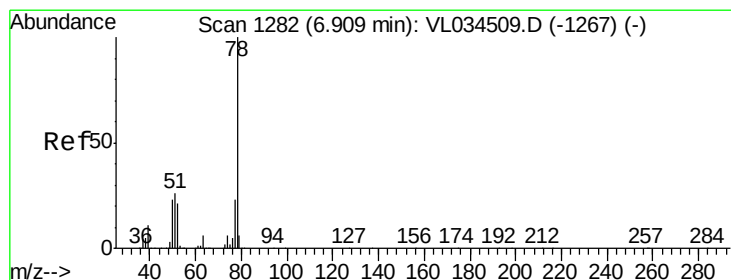
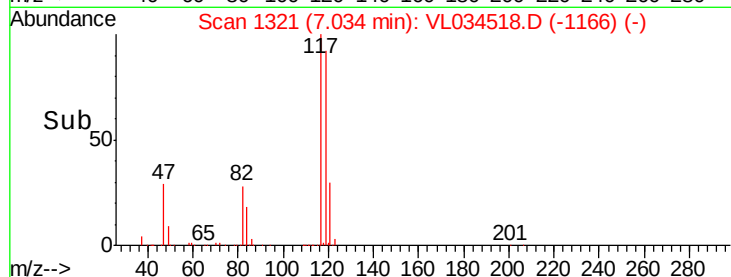
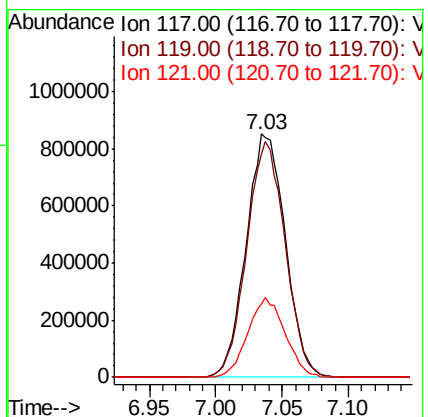
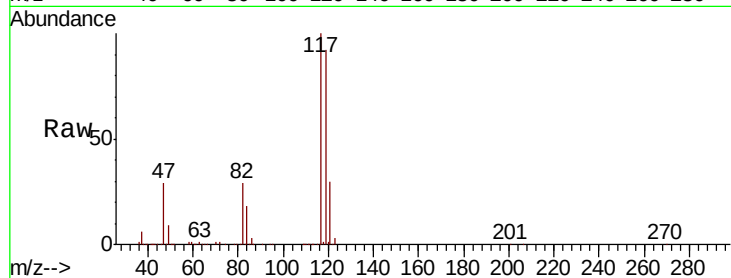
119 91.8 78.7 118.1

121 29.9 25.9 38.9

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#36

Benzene

Concen: 9.428 ppbv

RT: 6.91 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

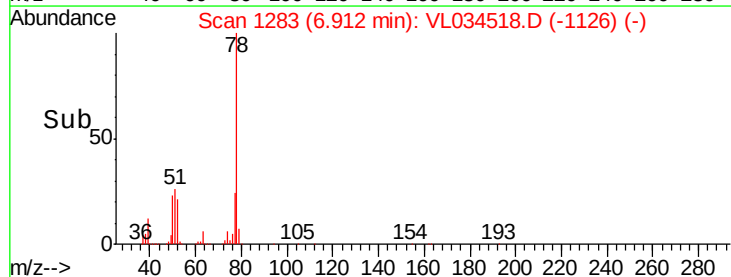
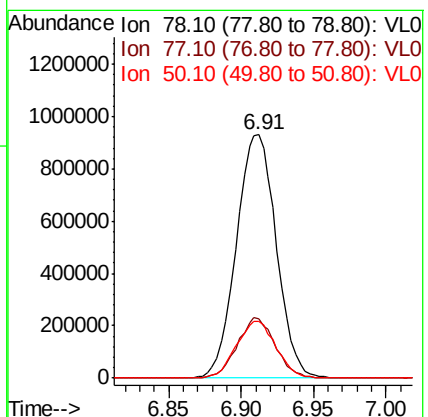
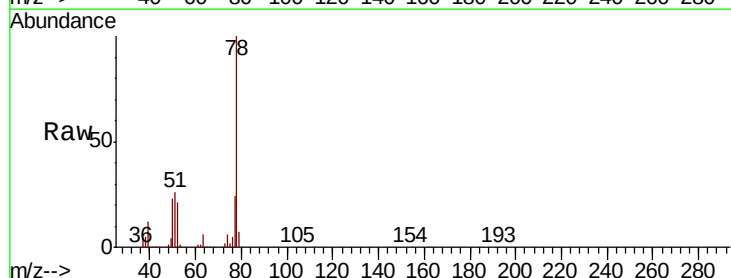
Tgt Ion: 78 Resp: 1774155

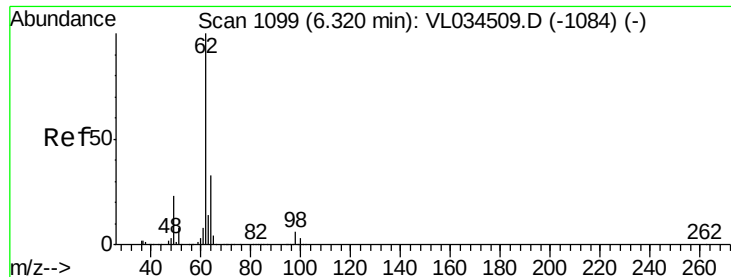
Ion Ratio Lower Upper

78 100

77 24.3 18.6 28.0

50 23.2 18.8 28.2





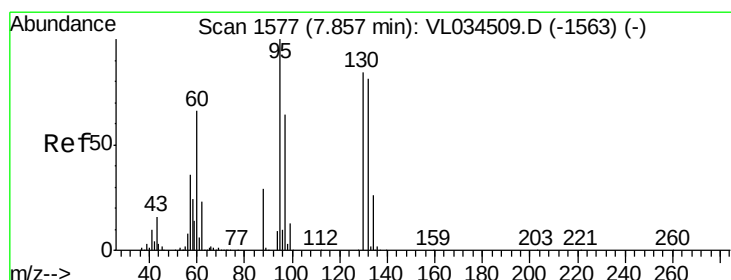
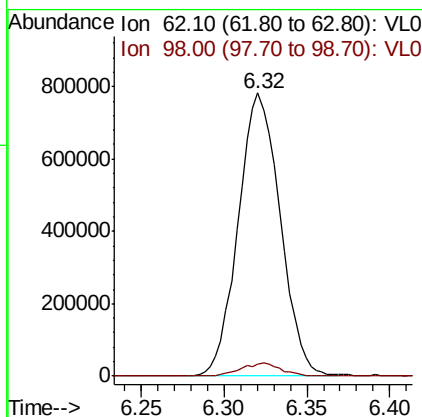
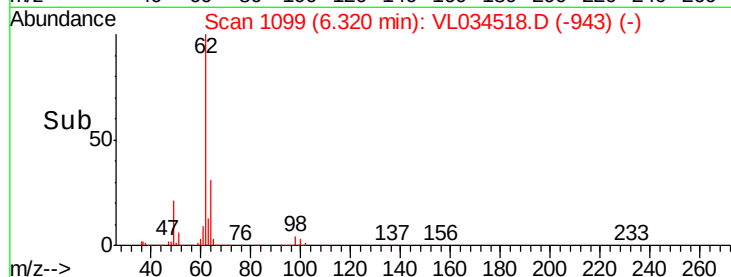
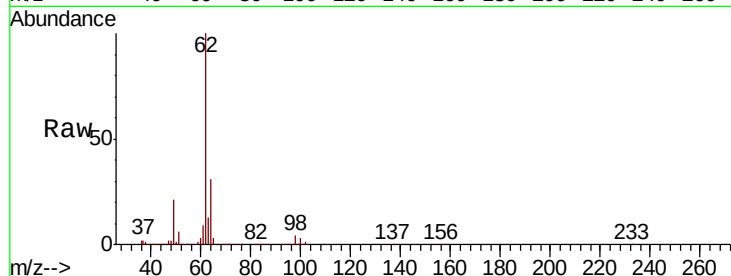
#37
1,2-Dichloroethane
Concen: 8.965 ppbv
RT: 6.32 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	4.6	3.8	5.6

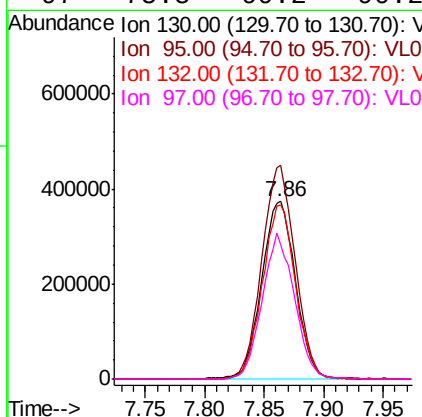
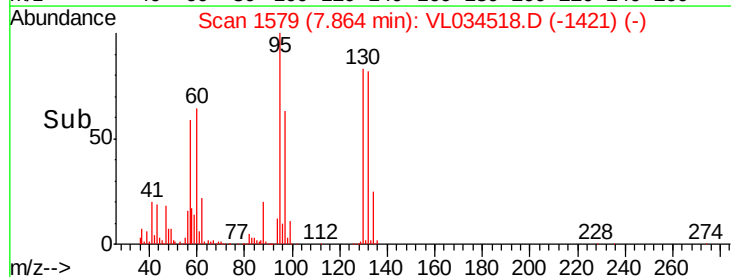
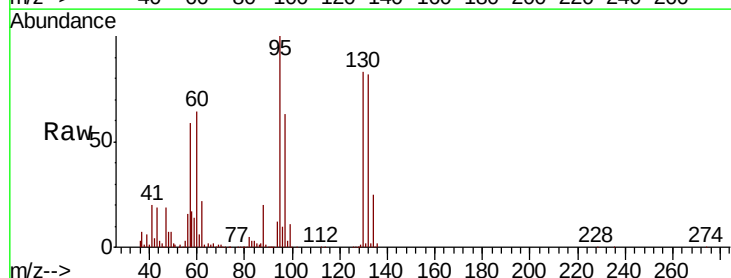
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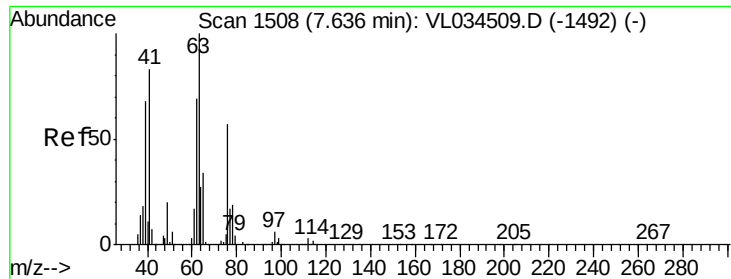
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#38
Trichloroethene
Concen: 9.680 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	120.2	94.2	141.2
132	98.3	76.1	114.1
97	75.5	60.2	90.2





#39

1,2-Dichloropropane

Concen: 9.663 ppbv

RT: 7.64 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Instrument :

MSVOA_L

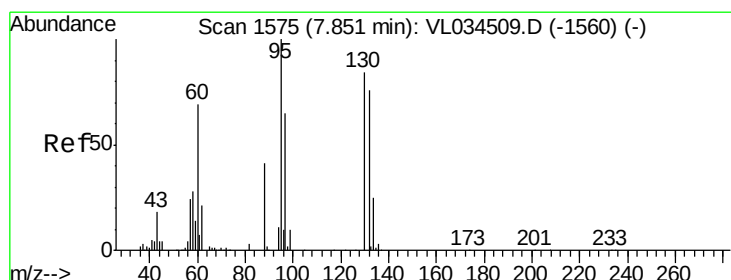
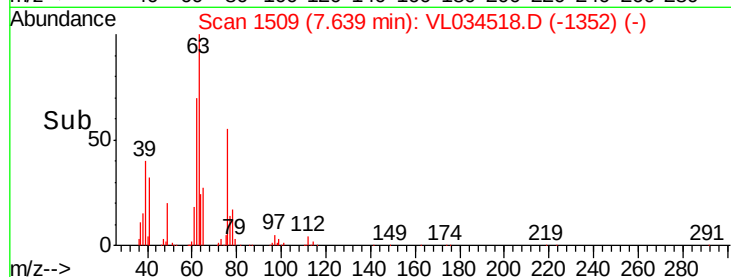
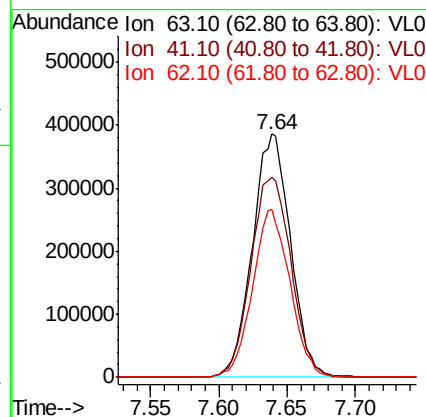
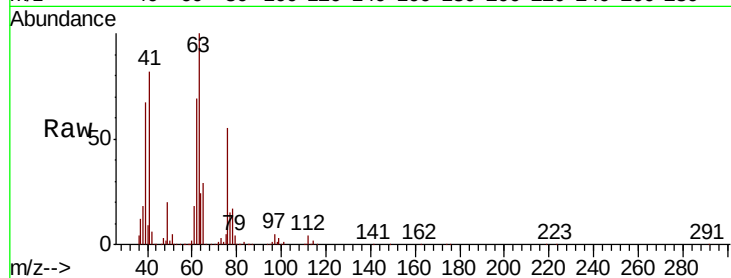
ClientSampleId :

VL1230ABS01

Tot Ion:	63	Resp:	747693
Ion Ratio	Lower	Upper	
63	100		
41	82.2	66.1	99.1
62	69.1	54.9	82.3

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#40

1,4-Dioxane

Concen: 7.568 ppbv

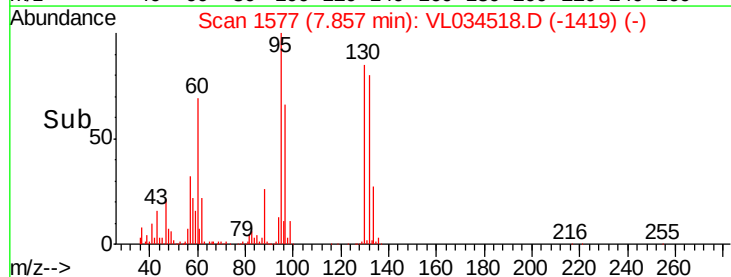
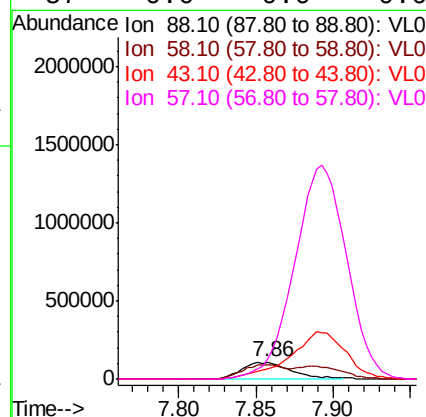
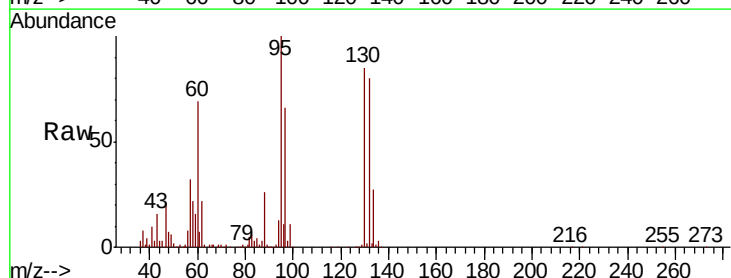
RT: 7.86 min Scan# 1577

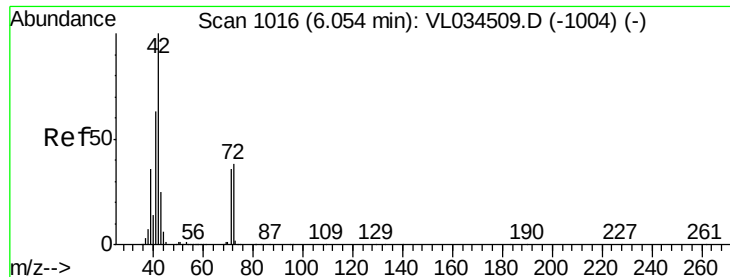
Delta R.T. 0.01 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Tgt Ion:	88	Resp:	237014
Ion Ratio	Lower	Upper	
88	100		
58	146.4	107.9	161.9
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 10.067 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Instrument :

MSVOA_L

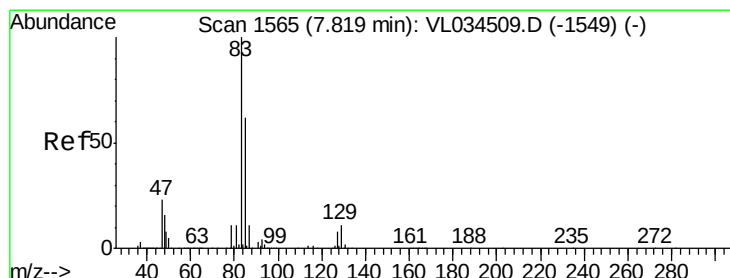
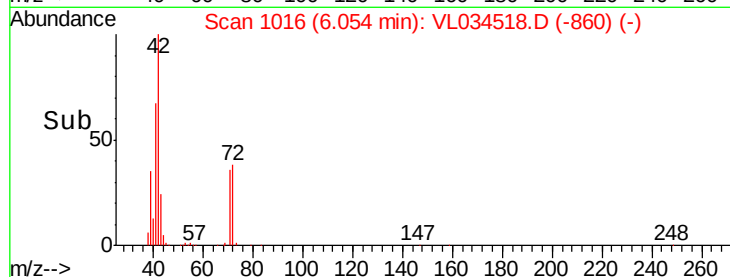
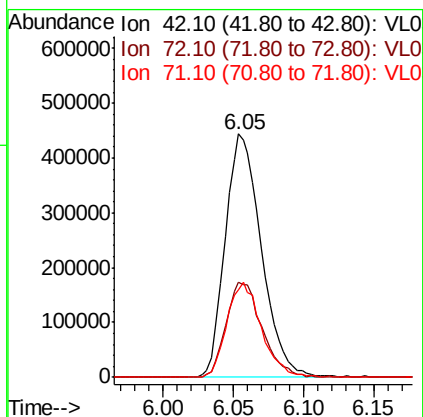
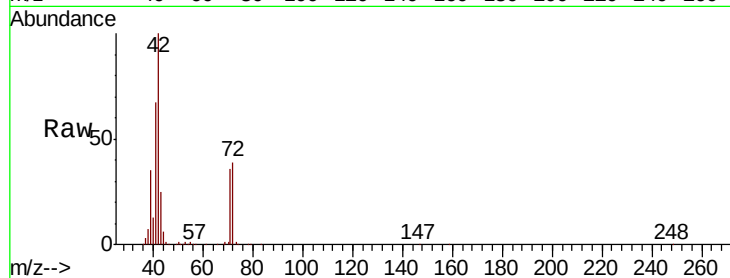
ClientSampleId :

VL1230ABS01

Tot Ion:	42	Resp:	796669
Ion	Ratio	Lower	Upper
42	100		
72	38.8	30.9	46.3
71	37.3	28.9	43.3

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#42

Bromodichloromethane

Concen: 9.319 ppbv

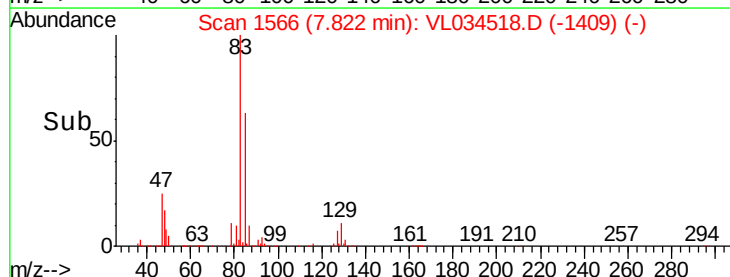
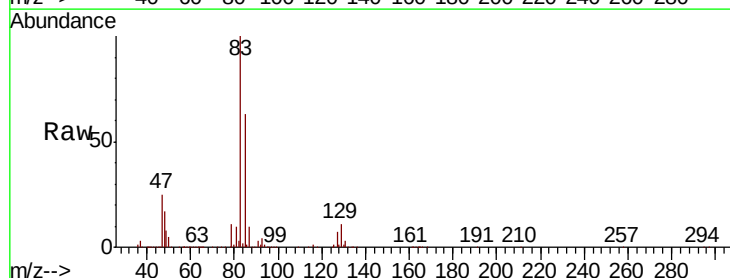
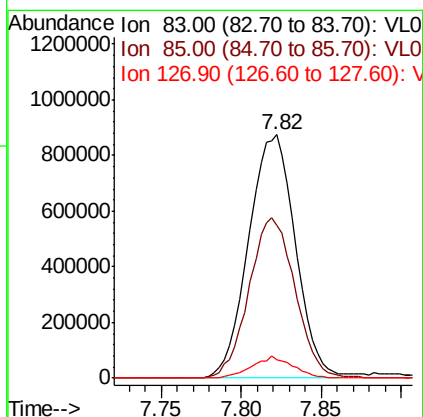
RT: 7.82 min Scan# 1566

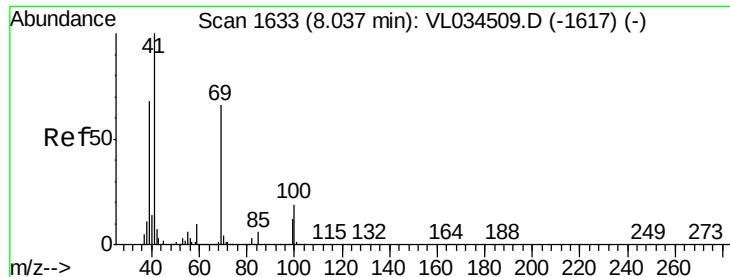
Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Tgt Ion:	83	Resp:	1752279
Ion	Ratio	Lower	Upper
83	100		
85	62.7	49.4	74.2
127	7.3	6.2	9.4





#43

Methyl Methacrylate

Concen: 10.085 ppbv

RT: 8.04 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Instrument :

MSVOA_L

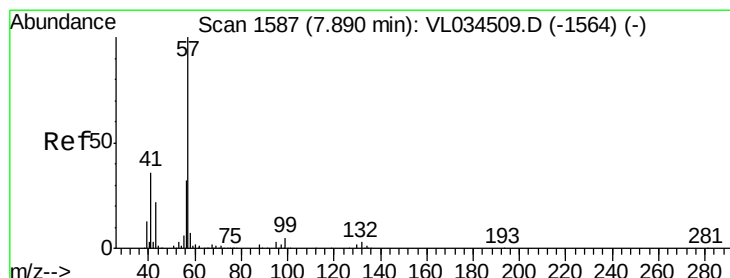
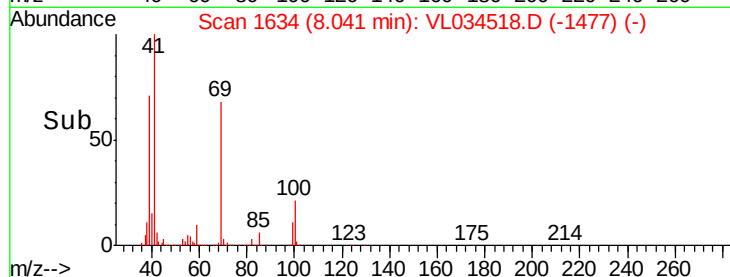
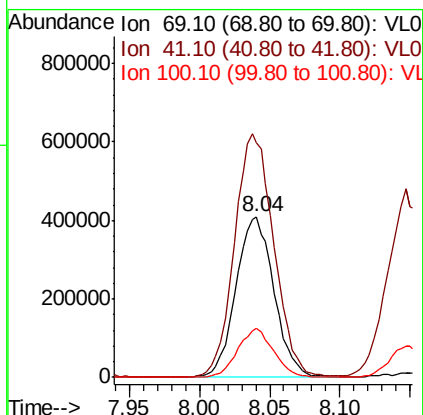
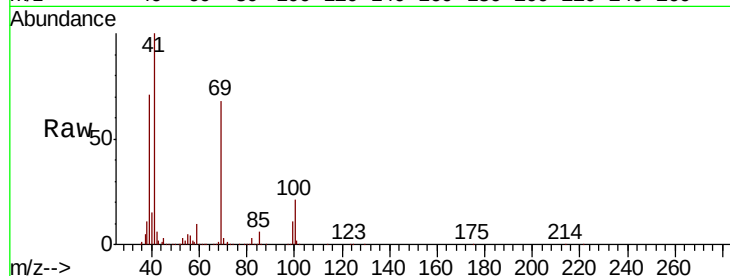
ClientSampleId :

VL1230ABS01

Tot Ion:	69	Resp:	774147
Ion Ratio	Lower	Upper	
69	100		
41	156.4	124.0	186.0
100	28.8	23.1	34.7

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#44

2,2,4-Trimethylpentane

Concen: 9.227 ppbv

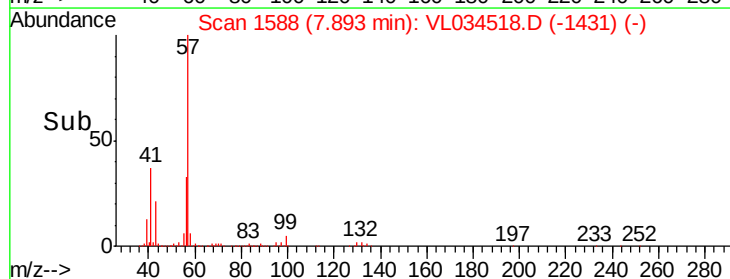
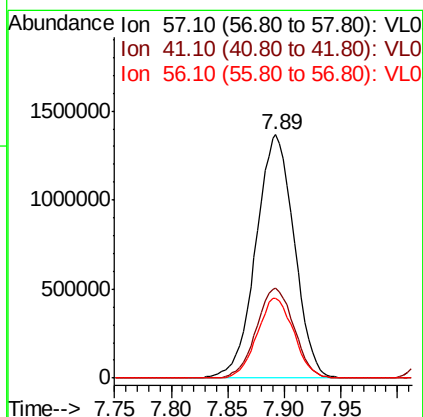
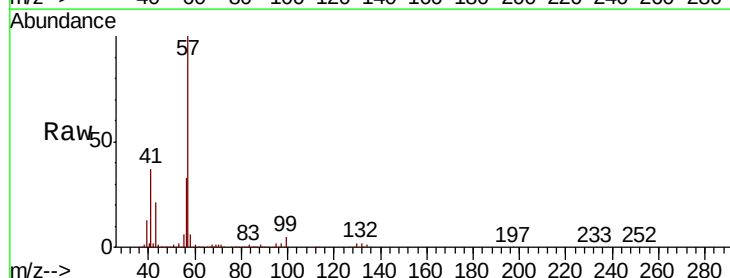
RT: 7.89 min Scan# 1588

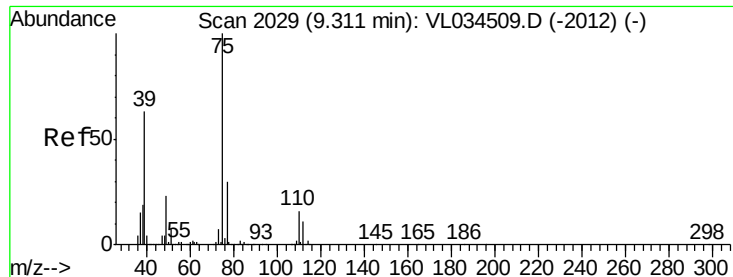
Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Tgt Ion:	57	Resp:	3211991
Ion Ratio	Lower	Upper	
57	100		
41	36.3	29.0	43.4
56	31.5	24.9	37.3





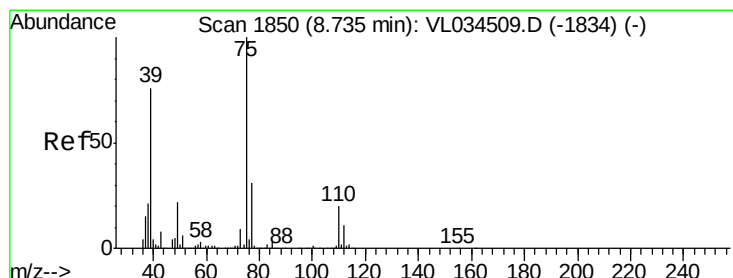
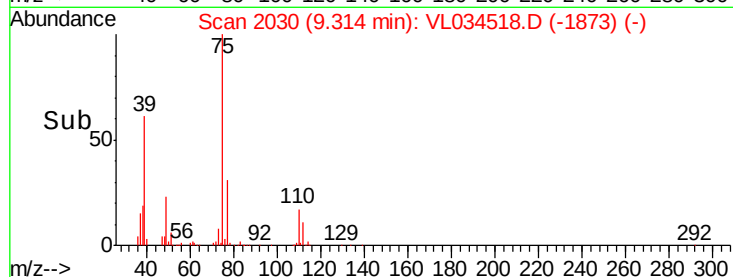
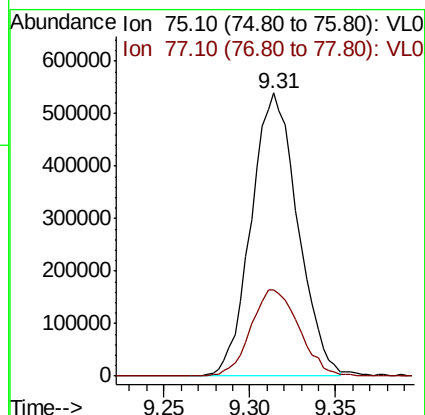
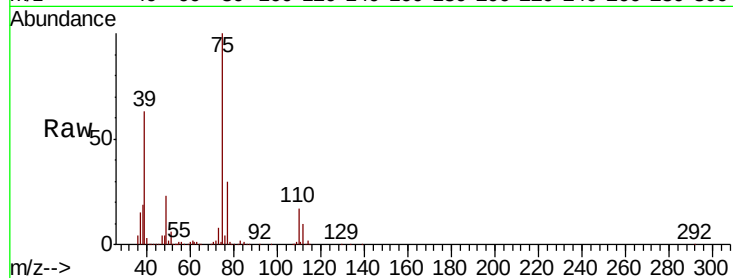
#45
t-1,3-Dichloropropene
Concen: 10.253 ppbv
RT: 9.31 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tot Ion: 75 Resp: 1013794
Ion Ratio Lower Upper
75 100
77 30.5 24.2 36.2

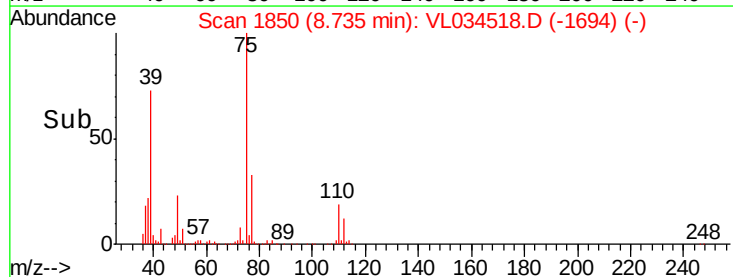
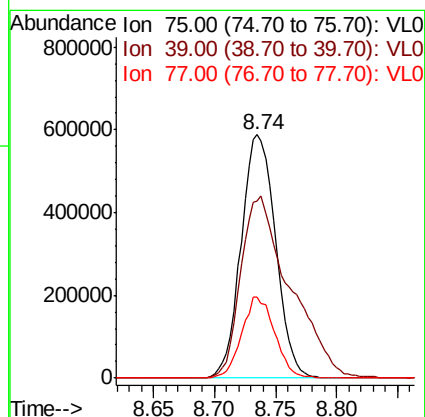
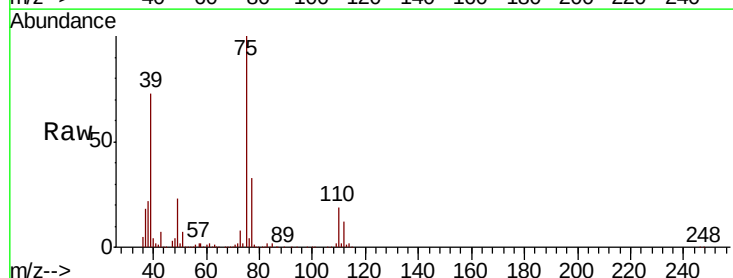
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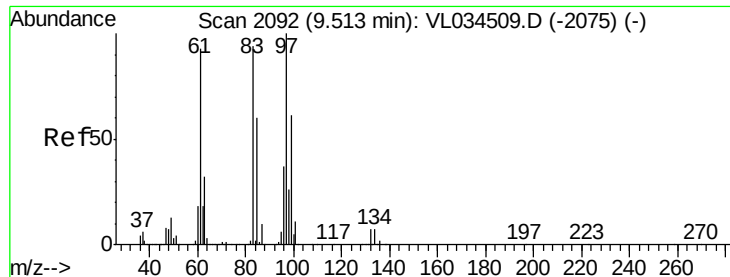
apatel
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#46
cis-1,3-Dichloropropene
Concen: 10.141 ppbv
RT: 8.74 min Scan# 1850
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 75 Resp: 1146226
Ion Ratio Lower Upper
75 100
39 72.7 60.5 90.7
77 33.2 24.8 37.2





#47

1,1,2-Trichloroethane

Concen: 9.007 ppbv

RT: 9.51 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Instrument :

MSVOA_L

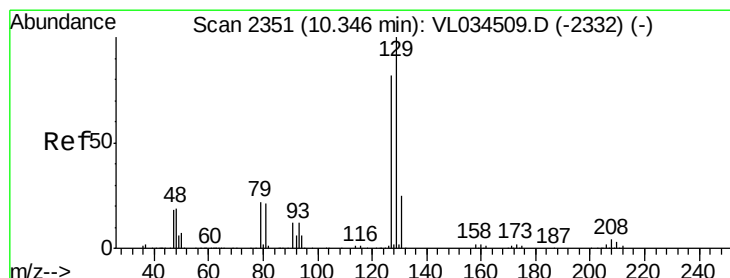
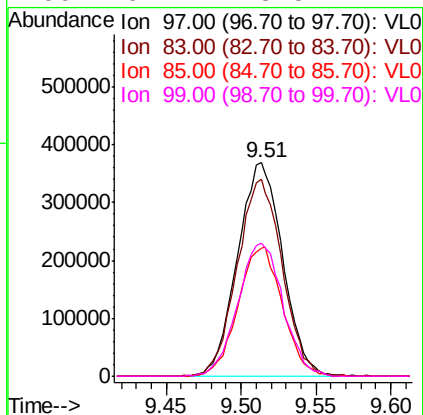
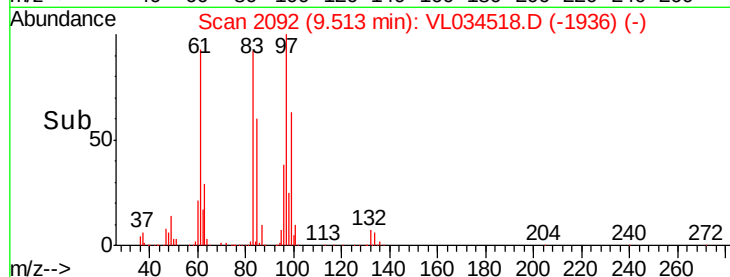
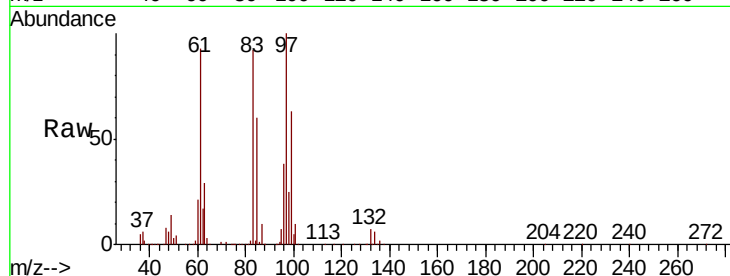
ClientSampleId :

VL1230ABS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		768252		
83	92.4	75.0	112.4		
85	60.1	48.2	72.4		
99	62.7	48.5	72.7		

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#48

Dibromochloromethane

Concen: 9.902 ppbv

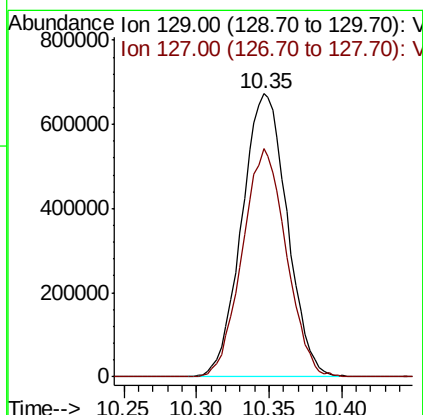
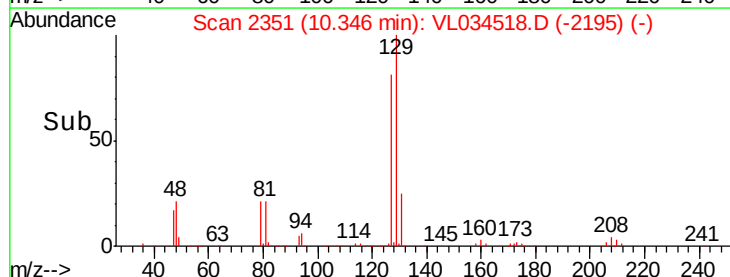
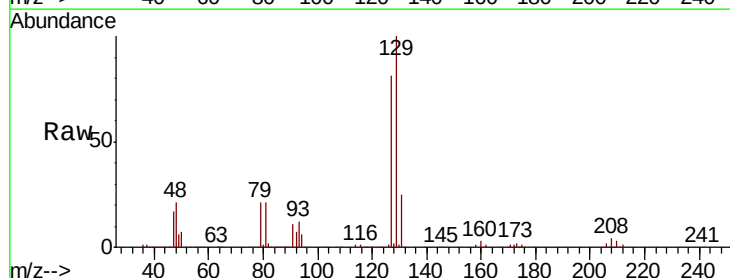
RT: 10.35 min Scan# 2351

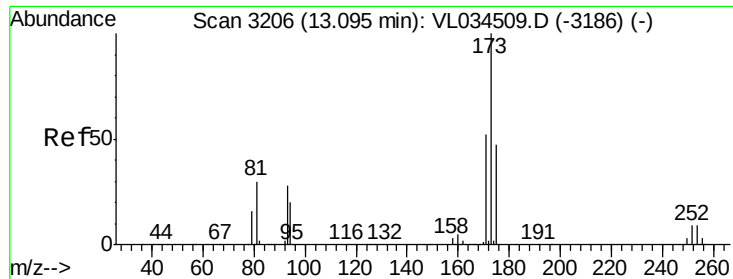
Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1464233		
127	78.4	39.4	118.2		





#49

Bromoform

Concen: 9.821 ppbv

RT: 13.10 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Instrument :

MSVOA_L

ClientSampleId :

VL1230ABS01

Tot Ion:173 Resp: 1314697

Ion Ratio Lower Upper

173 100

175 49.6 39.8 59.8

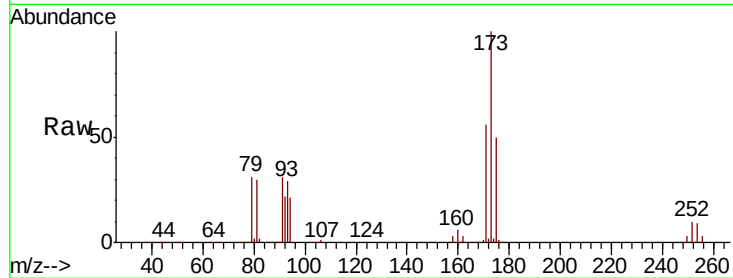
171 52.5 42.1 63.1

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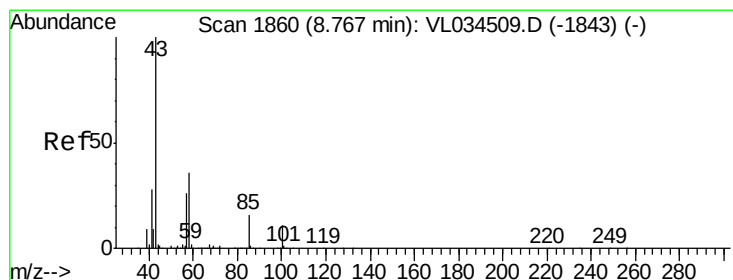
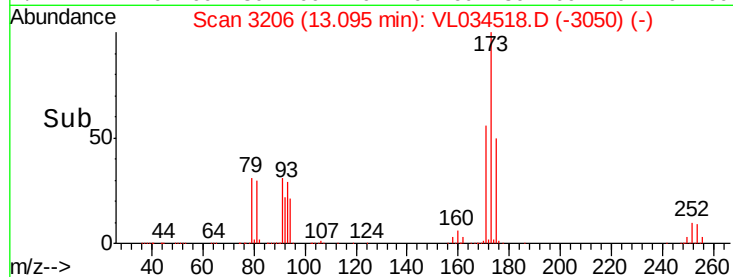
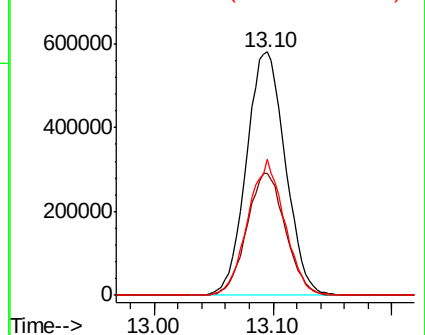
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.617 ppbv

RT: 8.77 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VL034518.D

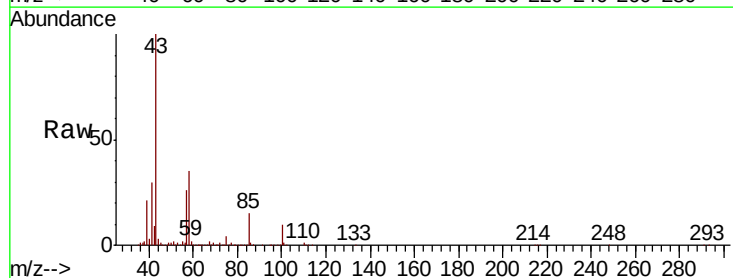
Acq: 30 Dec 2019 18:31

Tgt Ion: 43 Resp: 2153755

Ion Ratio Lower Upper

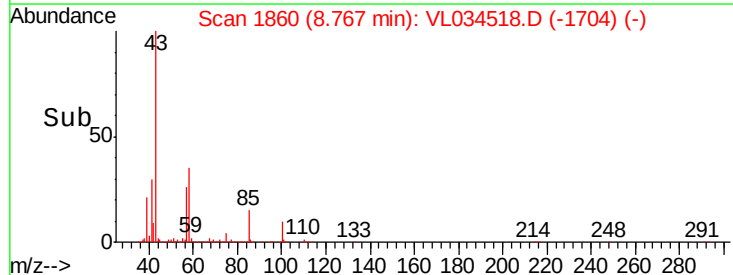
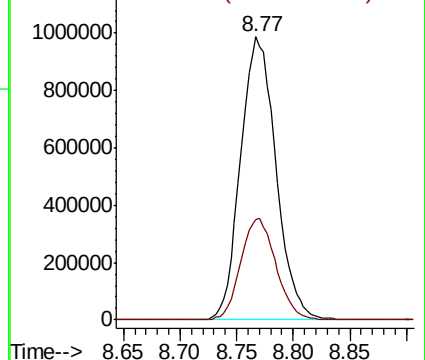
43 100

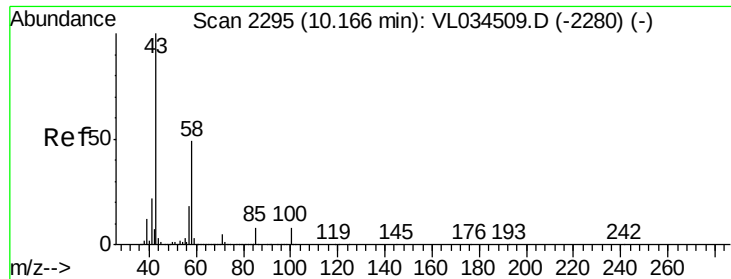
58 35.7 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.942 ppbv

RT: 10.17 min Scan# 2295

Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Instrument :

MSVOA_L

ClientSampleId :

VL1230ABS01

Tot Ion: 43 Resp: 1797296

Ion Ratio Lower Upper

43 100

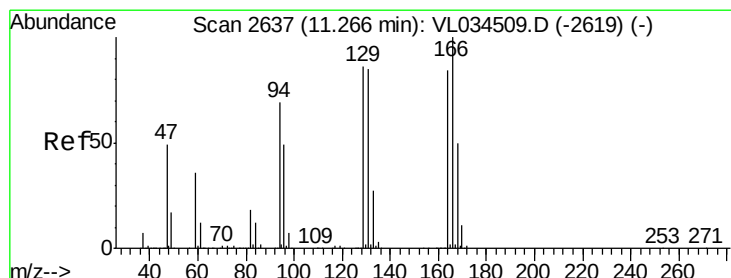
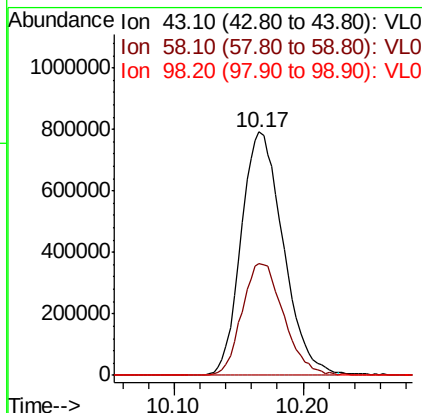
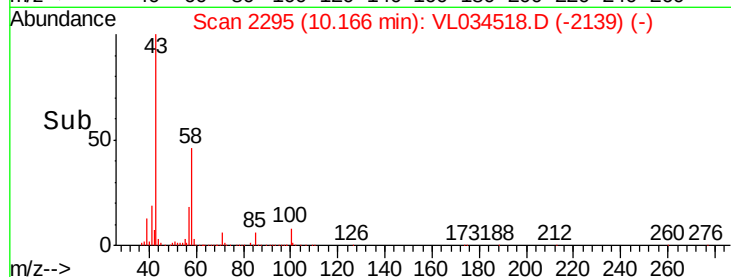
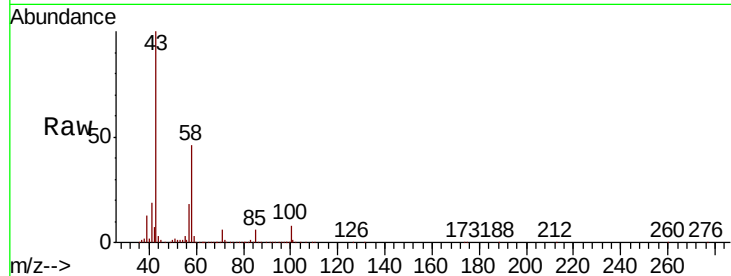
58 45.9 37.4 56.0

98 0.2 0.2 0.2#

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#52

Tetrachloroethene

Concen: 9.373 ppbv

RT: 11.27 min Scan# 2638

Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Tgt Ion: 164 Resp: 688360

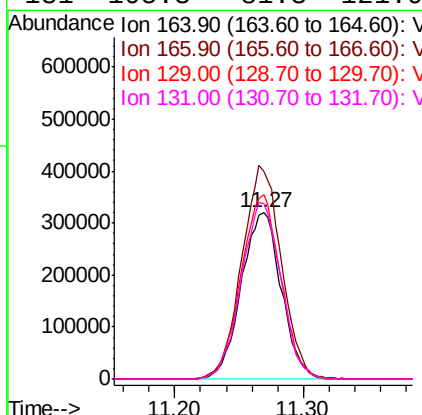
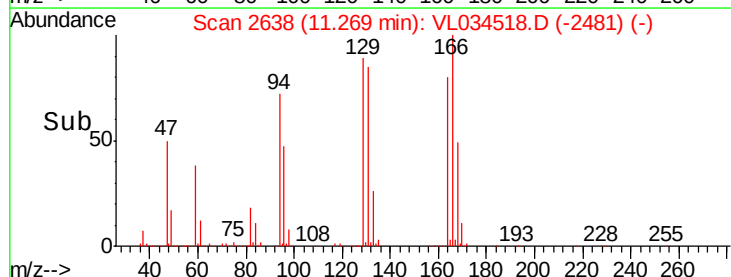
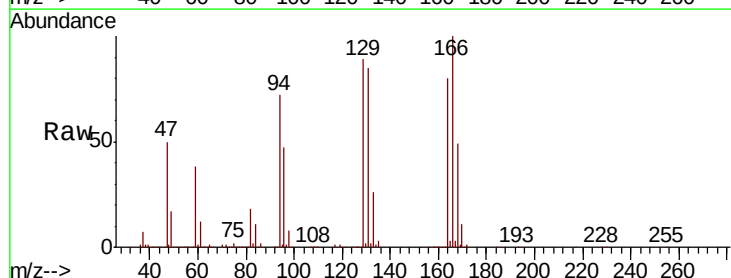
Ion Ratio Lower Upper

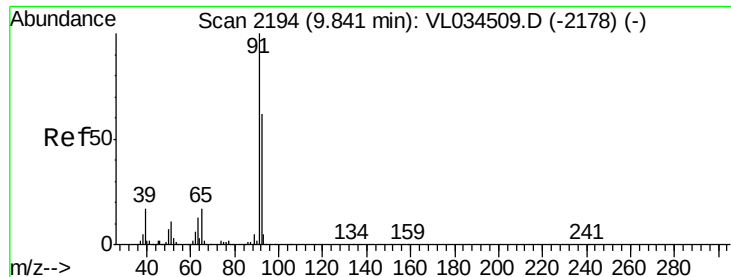
164 100

166 124.3 95.7 143.5

129 110.5 82.2 123.2

131 105.3 81.3 121.9





#53

Toluene

Concen: 10.064 ppbv

RT: 9.84 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Instrument :

MSVOA_L

ClientSampleId :

VL1230ABS01

Tot Ion: 91 Resp: 2080608

Ion Ratio Lower Upper

91 100

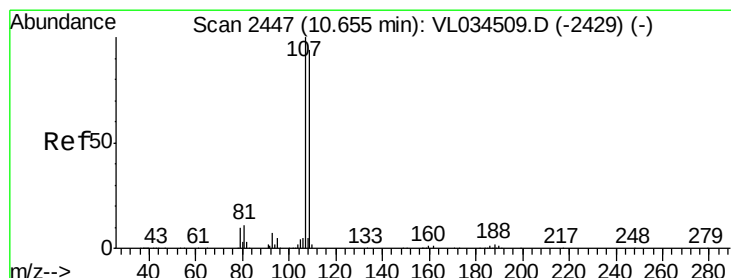
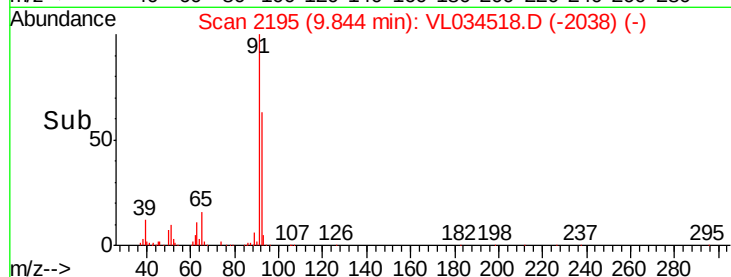
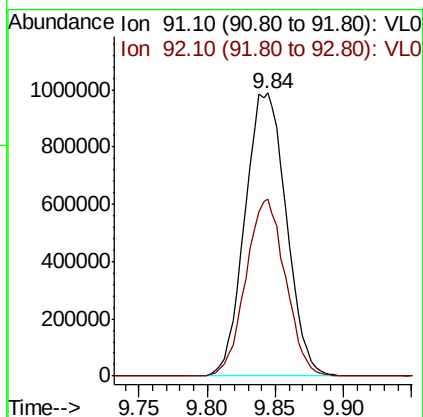
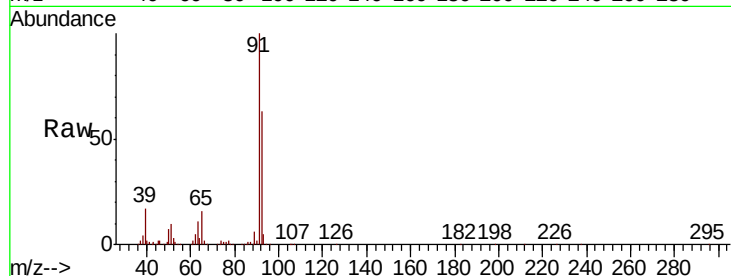
92 60.0 48.4 72.6

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#54

1,2-Dibromoethane

Concen: 9.917 ppbv

RT: 10.65 min Scan# 2447

Delta R.T. 0.00 min

Lab File: VL034518.D

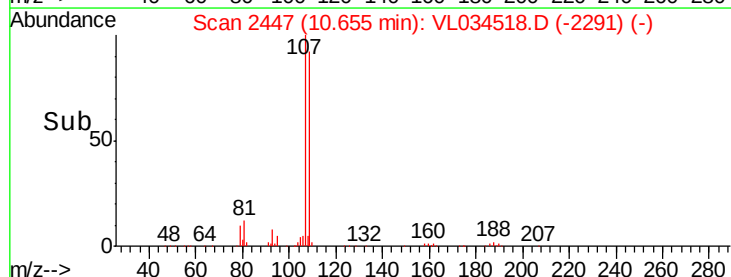
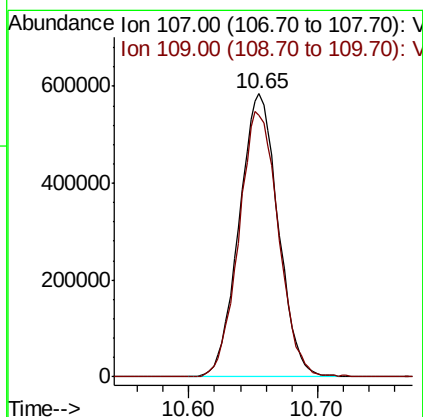
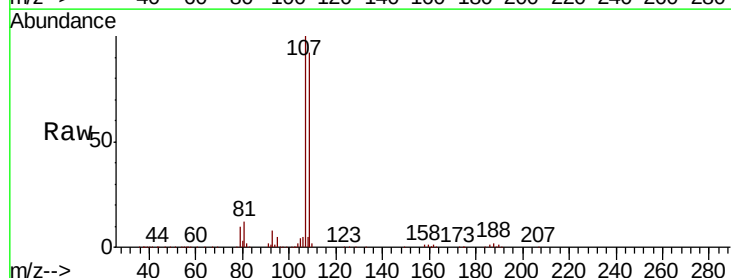
Acq: 30 Dec 2019 18:31

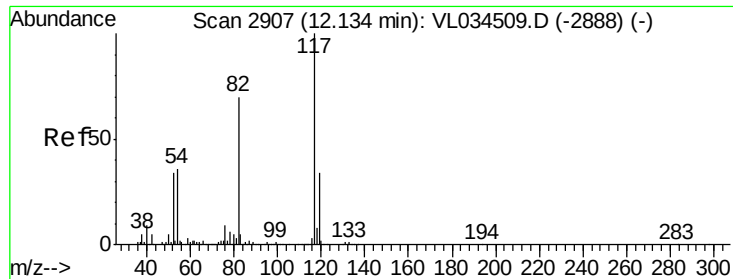
Tgt Ion: 107 Resp: 1231000

Ion Ratio Lower Upper

107 100

109 92.4 75.5 113.3





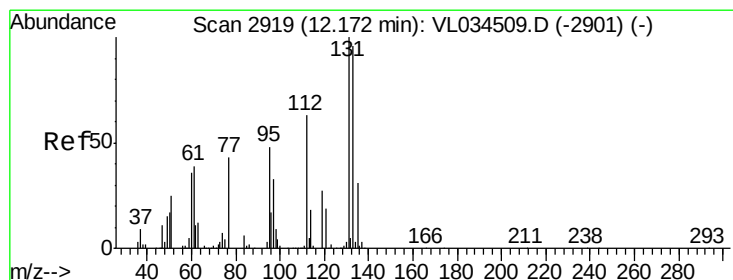
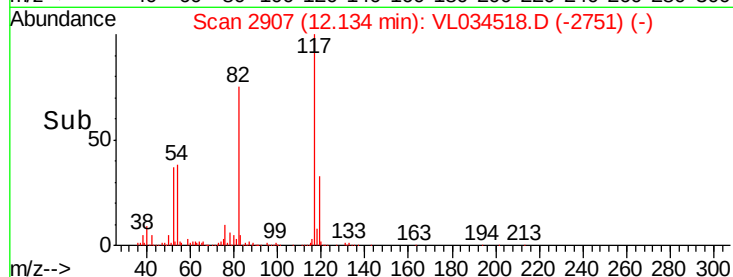
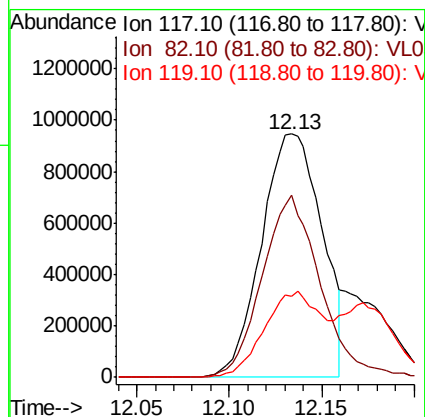
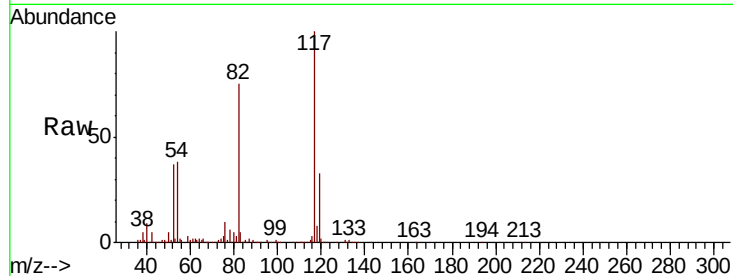
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.13 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	72.3	56.2	84.4
119	36.4	27.1	40.7

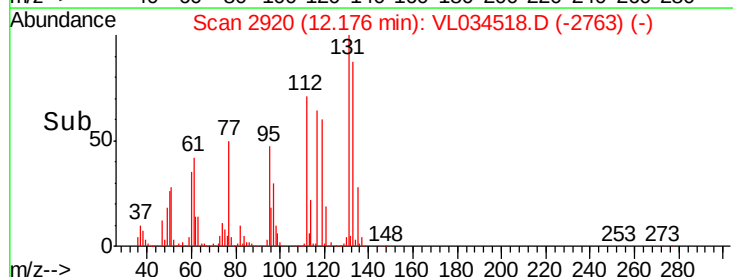
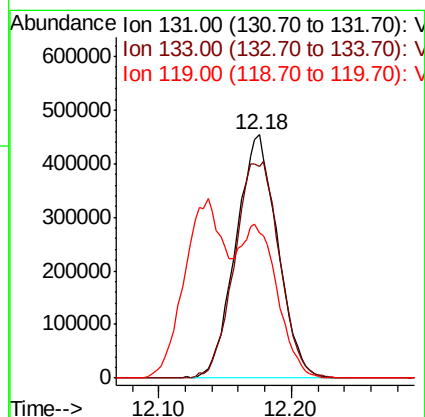
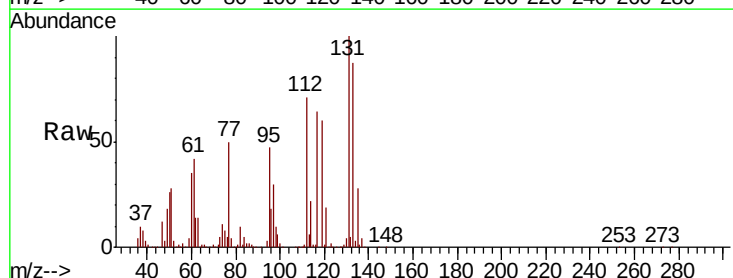
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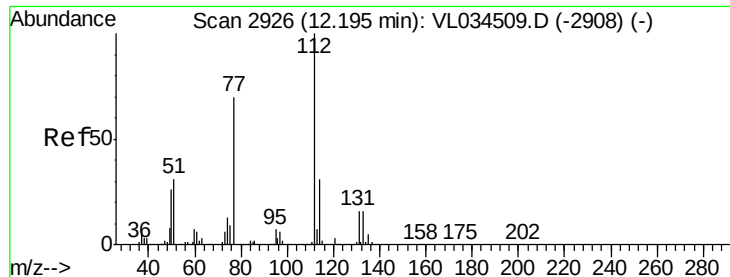
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.563 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	76.2	114.2
119	61.2	47.1	70.7





#57

Chlorobenzene

Concen: 9.164 ppbv

RT: 12.19 min Scan# 2926

Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Instrument :

MSVOA_L

ClientSampleId :

VL1230ABS01

Tot Ion: 112 Resp: 1625435

Ion Ratio Lower Upper

112 100

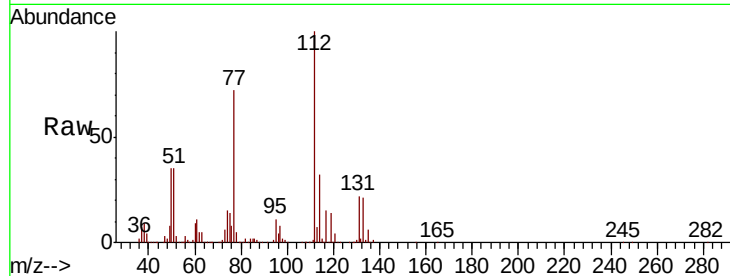
77 72.0 57.4 86.0

114 31.5 28.4 34.8

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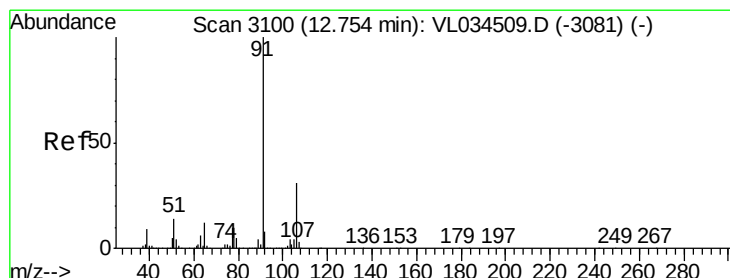
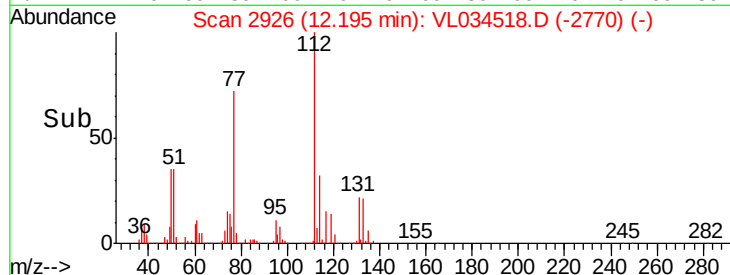
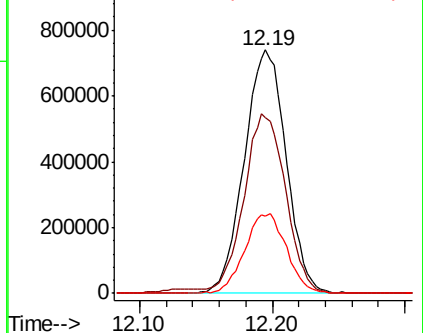
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.025 ppbv

RT: 12.76 min Scan# 3102

Delta R.T. 0.01 min

Lab File: VL034518.D

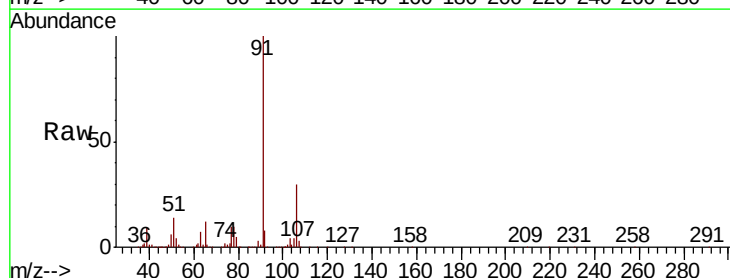
Acq: 30 Dec 2019 18:31

Tgt Ion: 91 Resp: 2906761

Ion Ratio Lower Upper

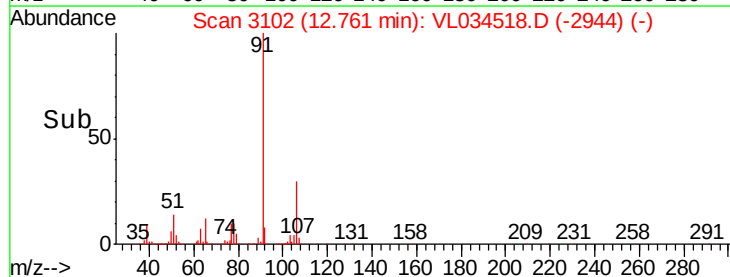
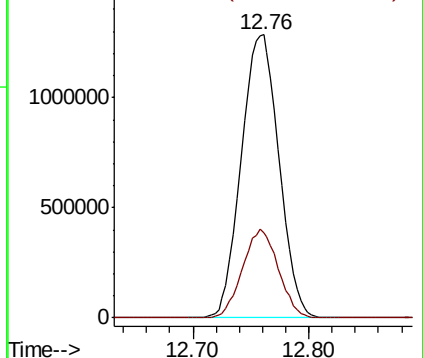
91 100

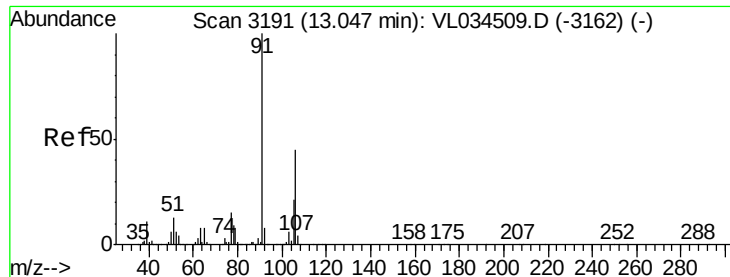
106 30.2 24.6 36.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





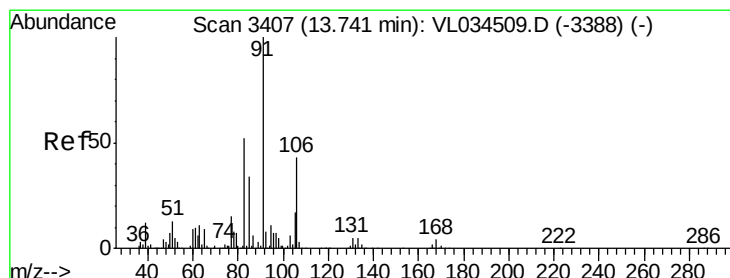
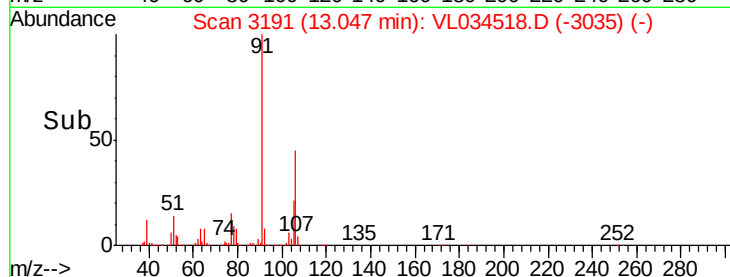
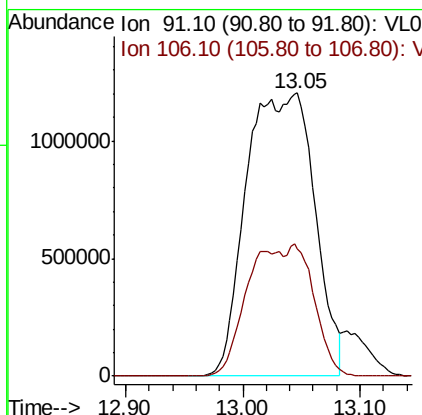
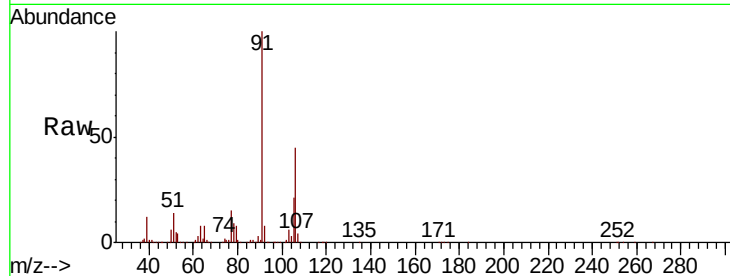
#59
m/p-Xylene
Concen: 19.163 ppbv m
RT: 13.05 min Scan# 3191
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tot Ion: 91 Resp: 4858841
Ion Ratio Lower Upper
91 100
106 44.5 35.6 53.4

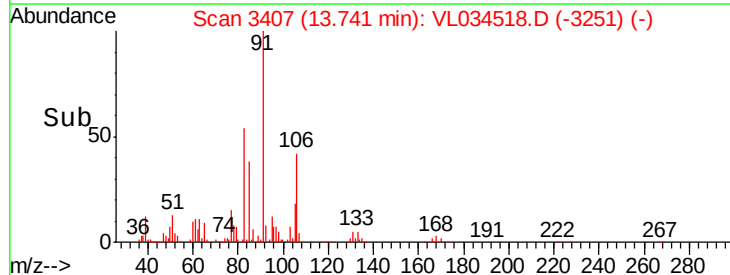
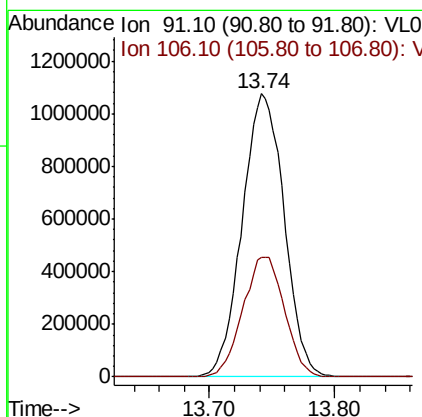
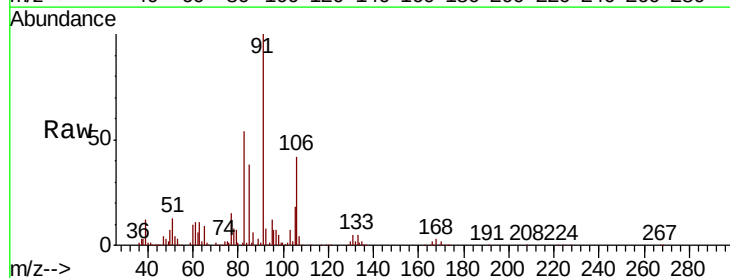
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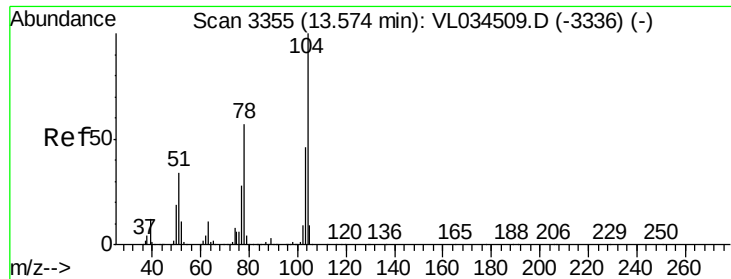
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#60
o-Xylene
Concen: 9.817 ppbv
RT: 13.74 min Scan# 3407
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 91 Resp: 2497751
Ion Ratio Lower Upper
91 100
106 42.3 21.4 64.3





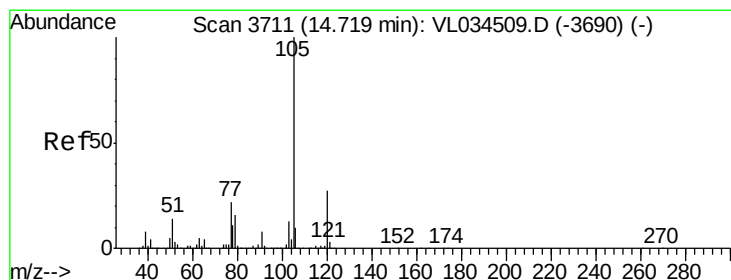
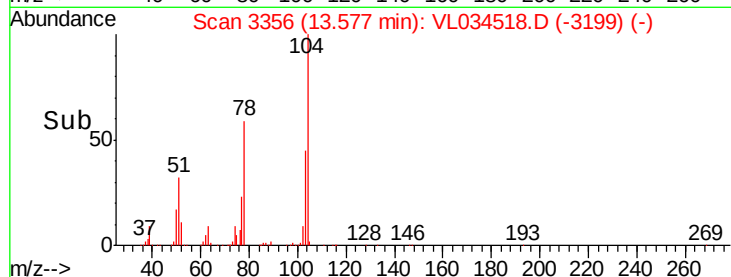
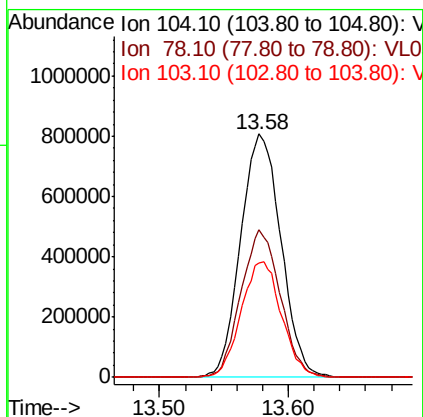
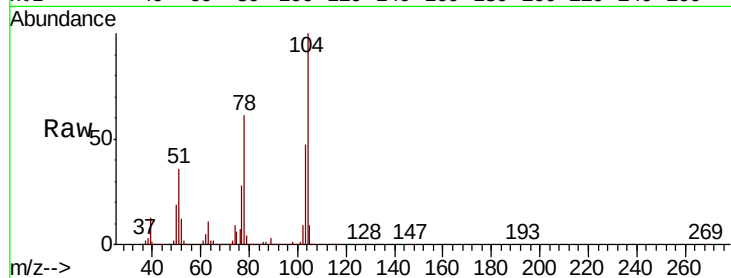
#61
Stvrene
Concen: 10.123 ppbv
RT: 13.58 min Scan# 3356
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampled :
VL1230ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	59.3	47.7	71.5
103	47.5	38.6	58.0

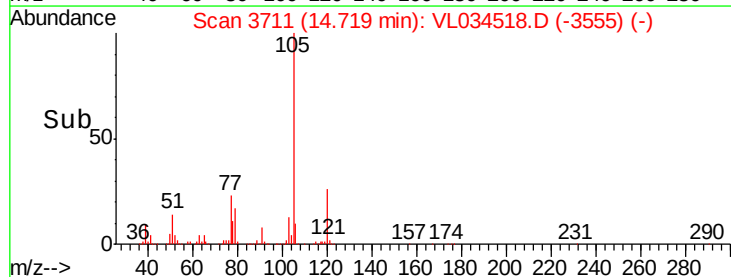
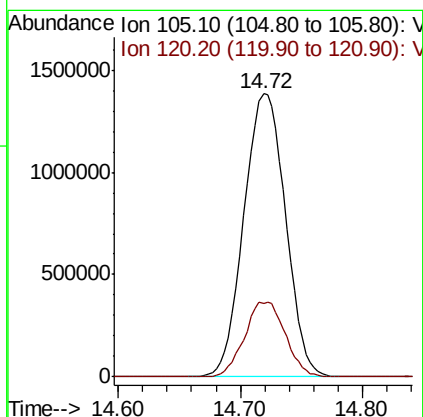
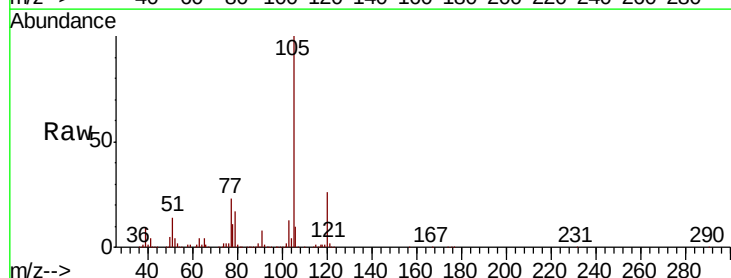
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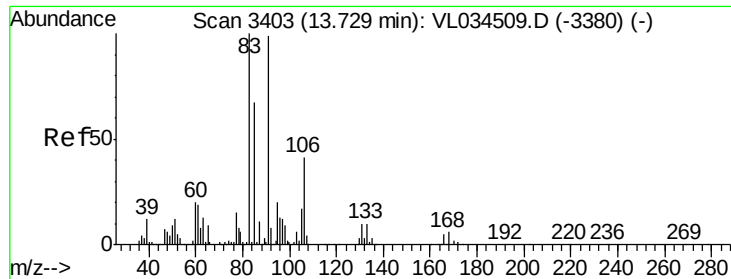
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#62
Isopropylbenzene
Concen: 9.833 ppbv
RT: 14.72 min Scan# 3711
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.6	30.8





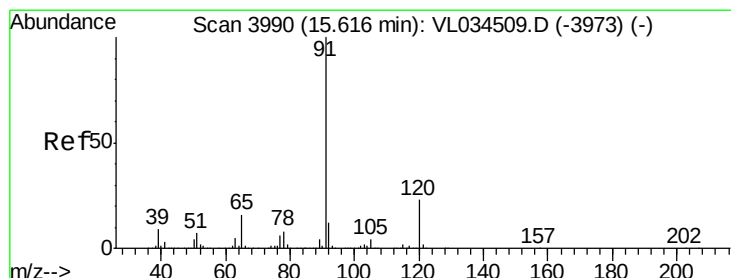
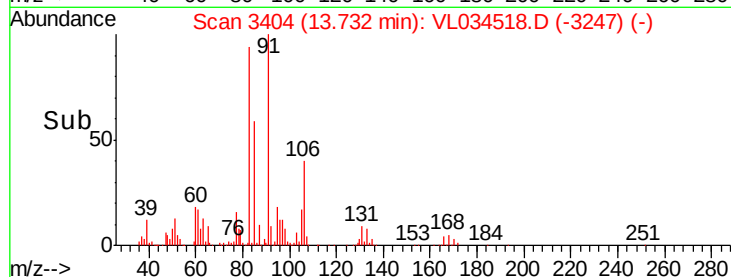
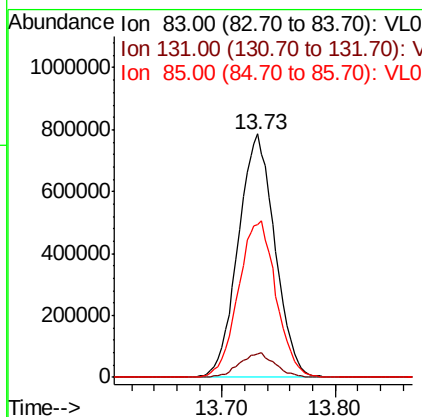
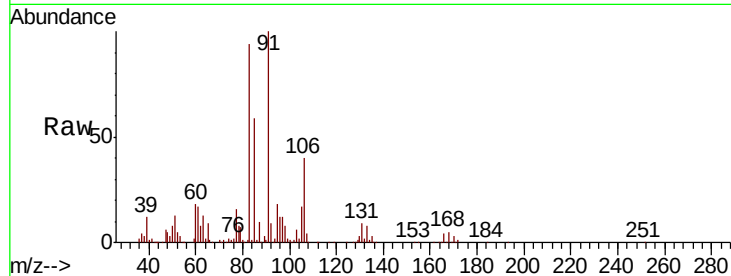
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.689 ppbv
 RT: 13.73 min Scan# 3404
 Delta R.T. 0.00 min
 Lab File: VL034518.D
 Acq: 30 Dec 2019 18:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1230ABS01

Tot Ion	83	Resp	1773538
Ion Ratio	100	Lower	Upper
83	100		
131	9.9	4.8	14.4
85	65.9	32.5	97.4

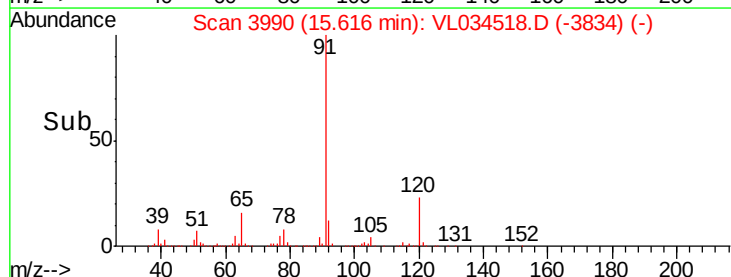
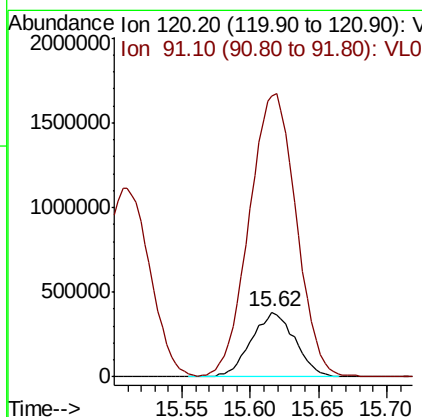
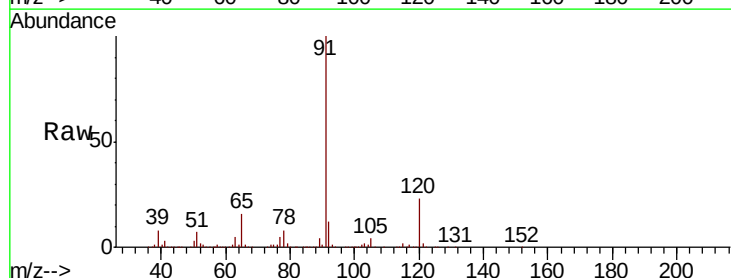
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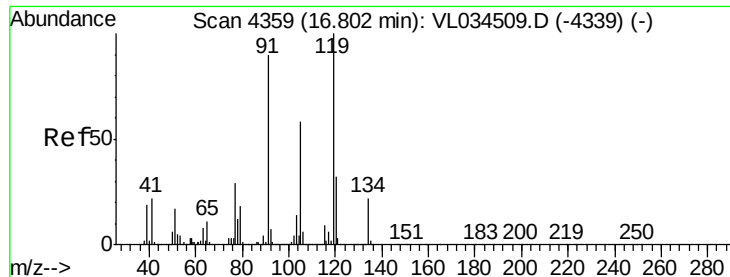
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#64
 n-propylbenzene
 Concen: 10.007 ppbv
 RT: 15.62 min Scan# 3990
 Delta R.T. 0.00 min
 Lab File: VL034518.D
 Acq: 30 Dec 2019 18:31

Tgt Ion	120	Resp	850385
Ion Ratio	100	Lower	Upper
120	100		
91	471.1	375.6	563.4





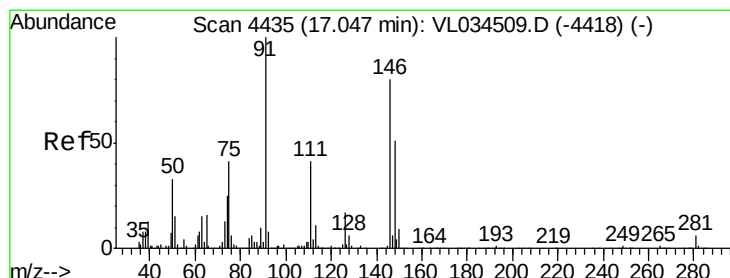
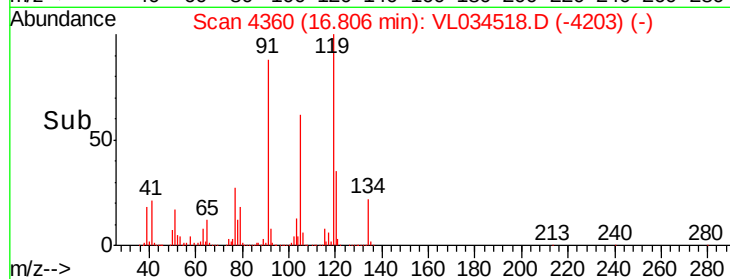
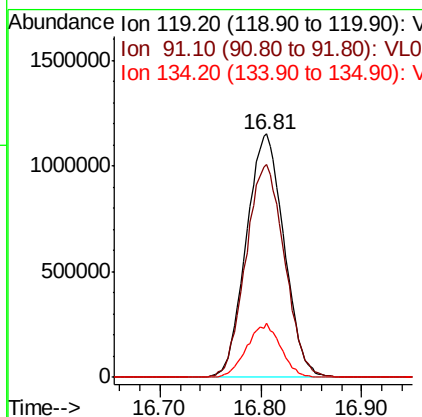
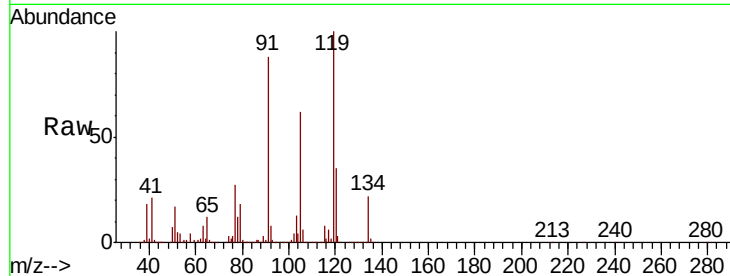
#65
 tert-Butylbenzene
 Concen: 9.917 ppbv
 RT: 16.81 min Scan# 4360
 Delta R.T. 0.00 min
 Lab File: VL034518.D
 Acq: 30 Dec 2019 18:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1230ABS01

Tot Ion:119 Resp: 2981844
 Ion Ratio Lower Upper
 119 100
 91 89.9 72.0 108.0
 134 20.0 16.1 24.1

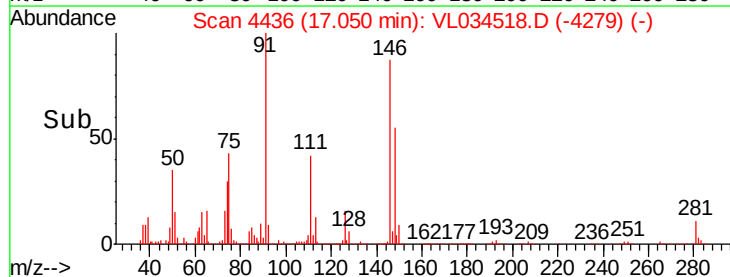
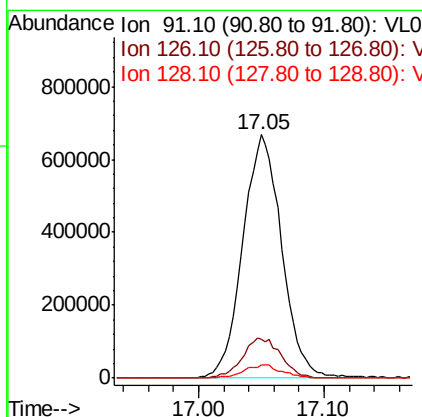
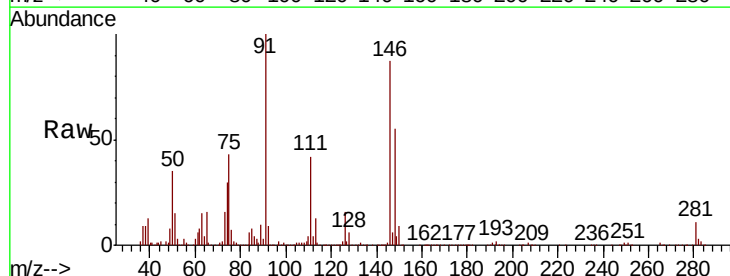
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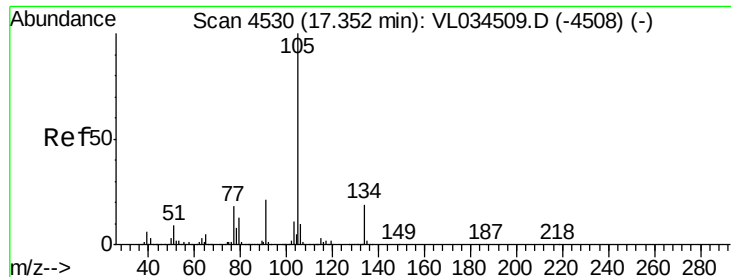
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#66
 Benzyl Chloride
 Concen: 10.856 ppbv
 RT: 17.05 min Scan# 4436
 Delta R.T. 0.00 min
 Lab File: VL034518.D
 Acq: 30 Dec 2019 18:31

Tgt Ion: 91 Resp: 1430642
 Ion Ratio Lower Upper
 91 100
 126 16.5 13.1 19.7
 128 5.3 4.2 6.4





#67

sec-Butylbenzene

Concen: 9.714 ppbv

RT: 17.35 min Scan# 4530

Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Instrument :

MSVOA_L

ClientSampleId :

VL1230ABS01

Tot Ion: 105 Resp: 4102043

Ion Ratio Lower Upper

105 100

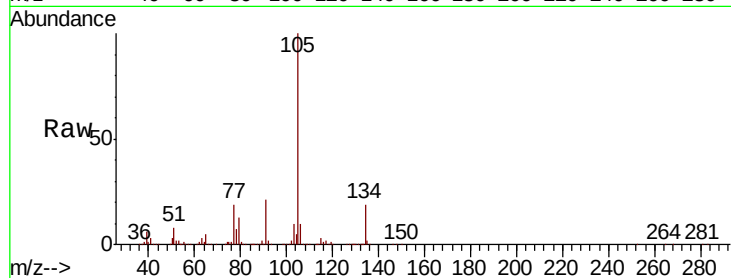
134 18.7 15.1 22.7

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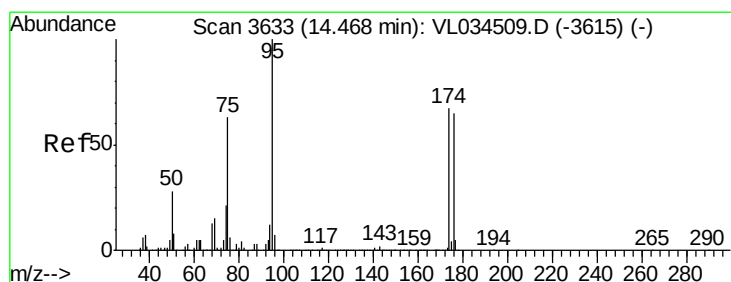
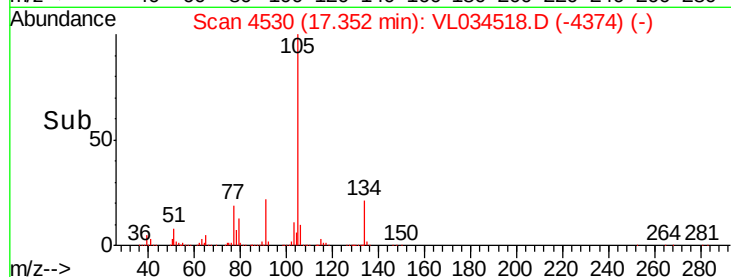
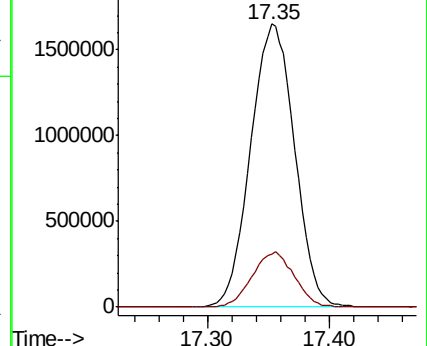
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.177 ppbv

RT: 14.47 min Scan# 3633

Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

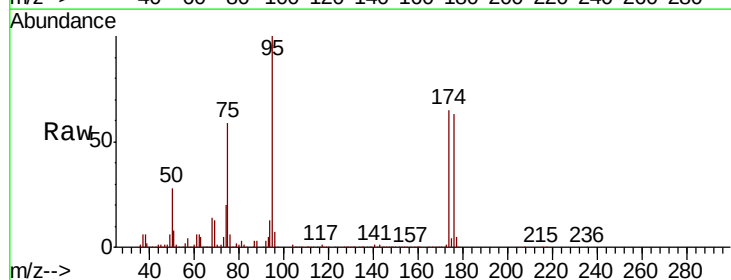
Tgt Ion: 95 Resp: 1825865

Ion Ratio Lower Upper

95 100

174 64.4 52.4 78.6

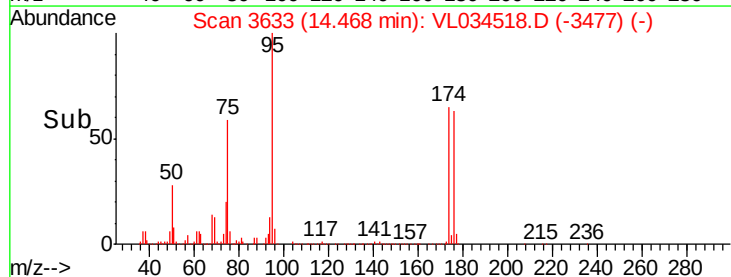
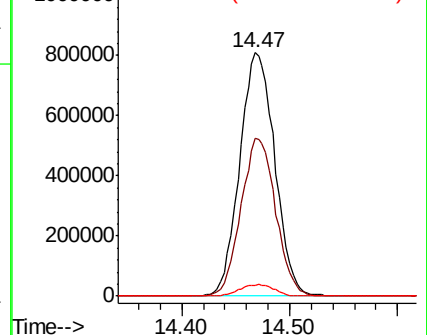
175 4.7 3.9 5.9

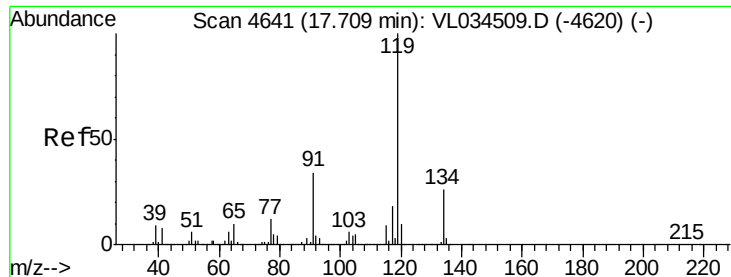


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





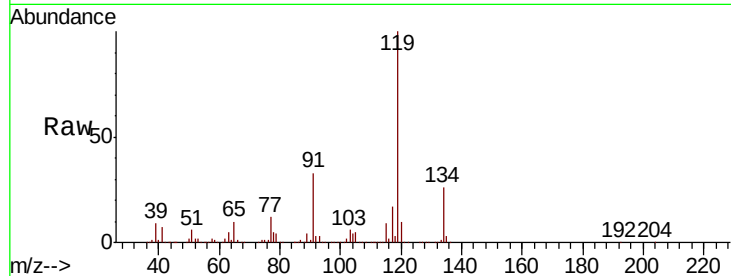
#69
 p-Isopropyltoluene
 Concen: 10.114 ppbv
 RT: 17.71 min Scan# 4642
 Delta R.T. 0.00 min
 Lab File: VL034518.D
 Acq: 30 Dec 2019 18:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1230ABS01

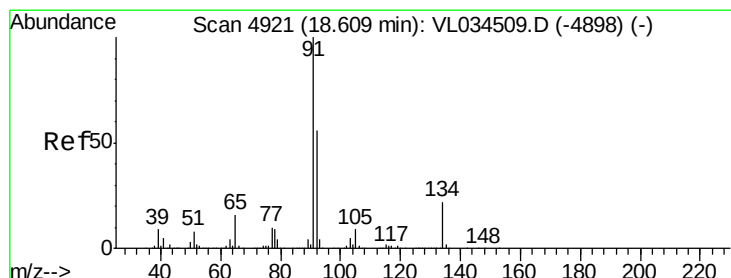
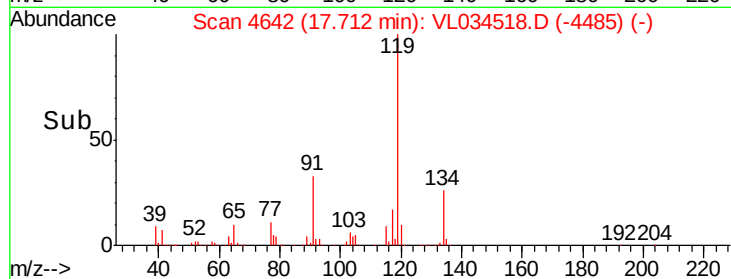
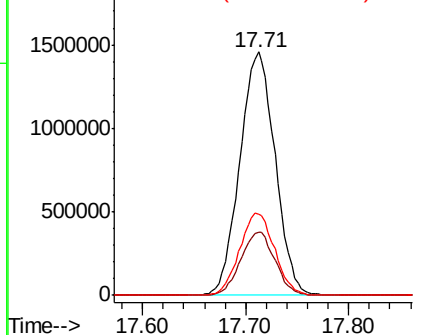
Tot Ion: 119 Resp: 3463863
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.7 31.1
 91 33.4 26.6 39.8

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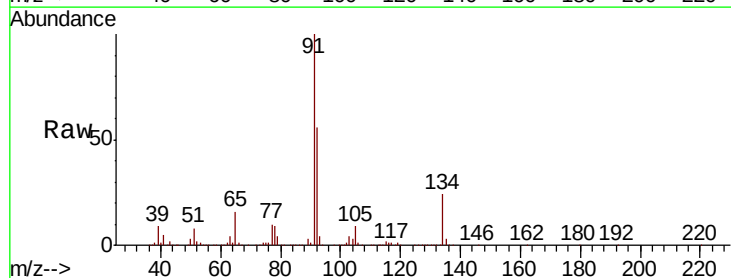


Abundance Ion 119.10 (118.80 to 119.80): V
 2000000 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

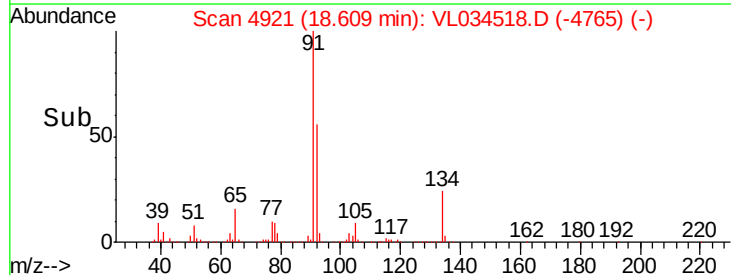
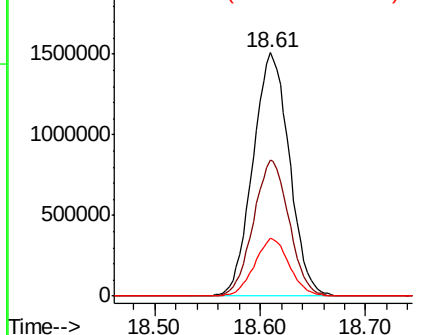


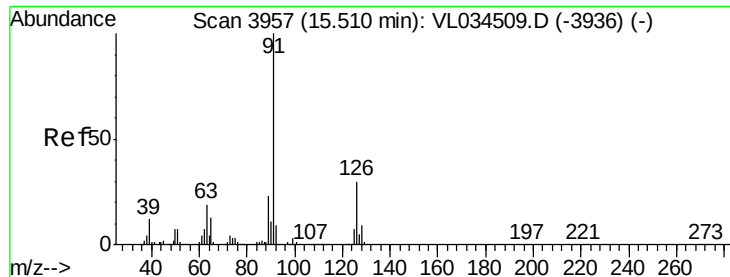
#70
 n-Butylbenzene
 Concen: 9.815 ppbv
 RT: 18.61 min Scan# 4921
 Delta R.T. 0.00 min
 Lab File: VL034518.D
 Acq: 30 Dec 2019 18:31

Tgt Ion: 91 Resp: 3627017
 Ion Ratio Lower Upper
 91 100
 92 54.7 43.8 65.6
 134 22.7 18.0 27.0



Abundance Ion 91.10 (90.80 to 91.80): V
 2000000 Ion 92.10 (91.80 to 92.80): V
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 10.018 ppbv

RT: 15.51 min Scan# 3956

Delta R.T. -0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Instrument :

MSVOA_L

ClientSampleId :

VL1230ABS01

Tot Ion: 91 Resp: 2589206

Ion Ratio Lower Upper

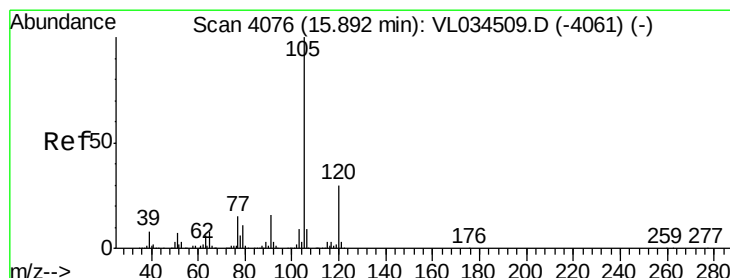
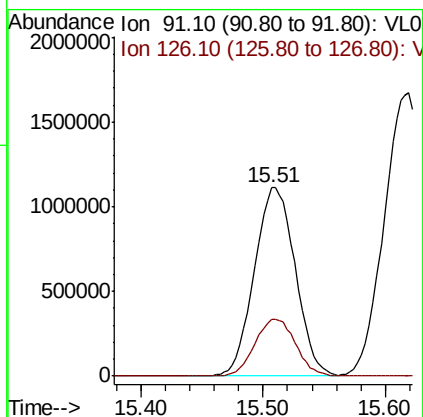
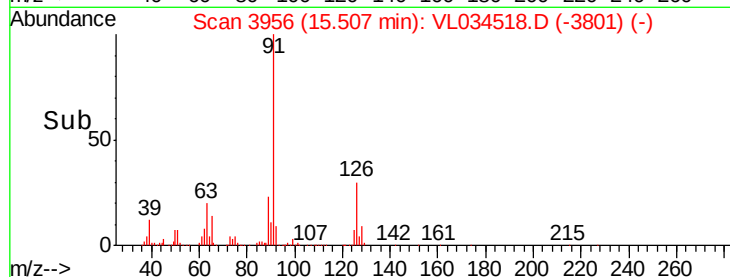
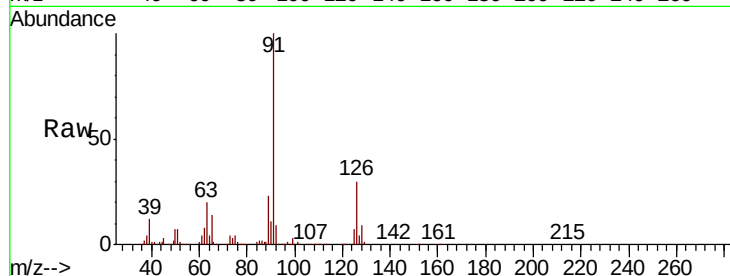
91 100

126 30.1 12.0 47.8

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#72

4-Ethyltoluene

Concen: 10.022 ppbv

RT: 15.90 min Scan# 4077

Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Tgt Ion:105 Resp: 2853487

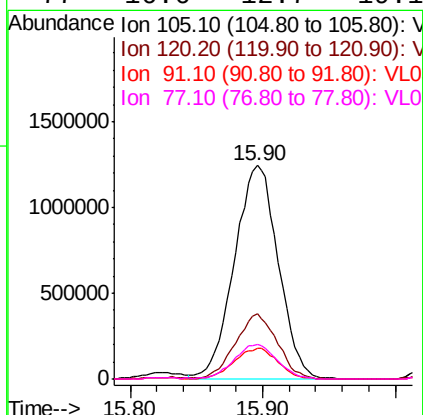
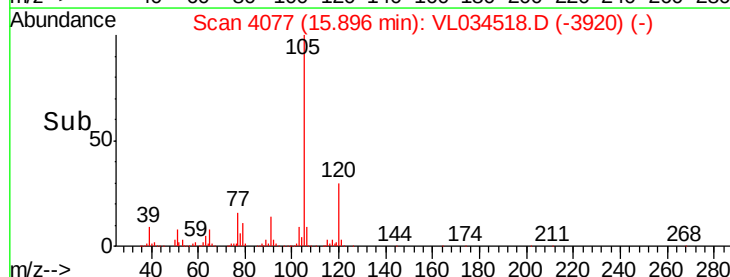
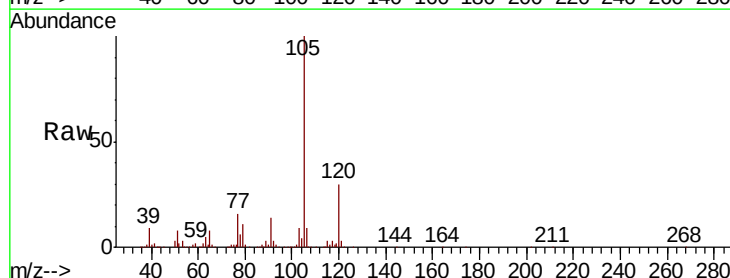
Ion Ratio Lower Upper

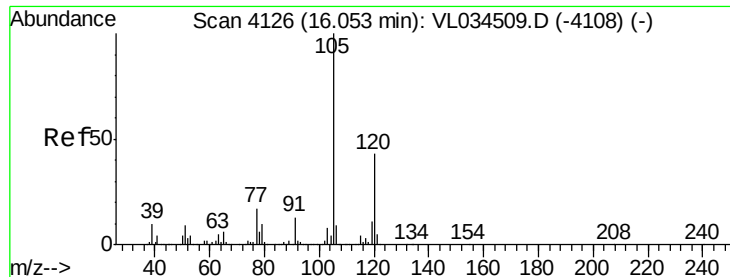
105 100

120 29.2 23.7 35.5

91 14.4 11.5 17.3

77 16.6 12.7 19.1





#73

1,3,5-Trimethylbenzene

Concen: 9.878 ppbv

RT: 16.05 min Scan# 4126

Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Instrument :

MSVOA_L

ClientSampleId :

VL1230ABS01

Tot Ion:105 Resp: 2759075

Ion Ratio Lower Upper

105 100

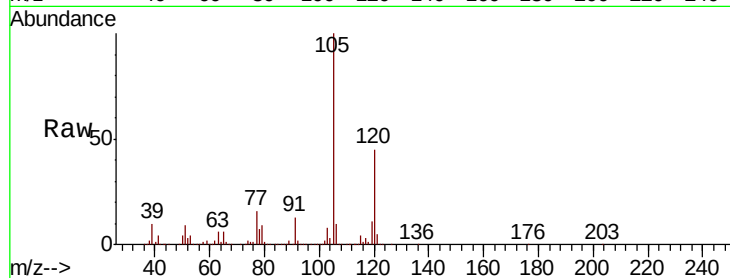
120 45.3 34.6 52.0

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

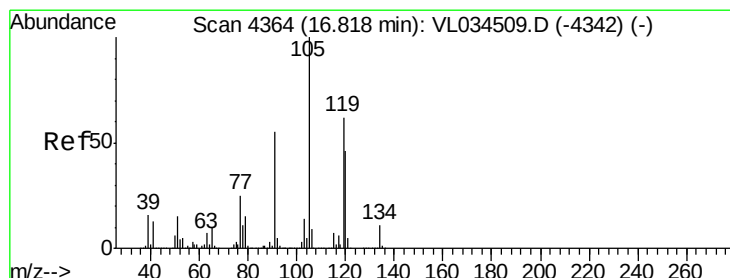
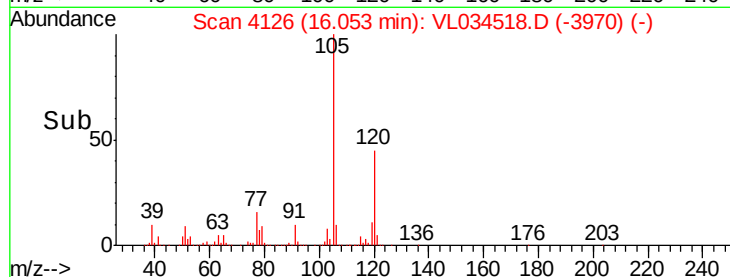
16.05

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.599 ppbv

RT: 16.82 min Scan# 4365

Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Tgt Ion:105 Resp: 2868152

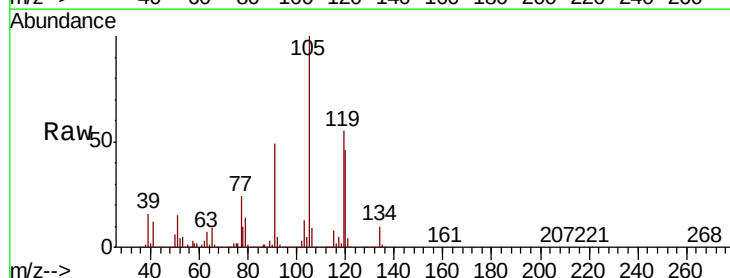
Ion Ratio Lower Upper

105 100

120 45.8 36.7 55.1

91 49.3 44.0 66.0

77 24.2 19.9 29.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

16.82

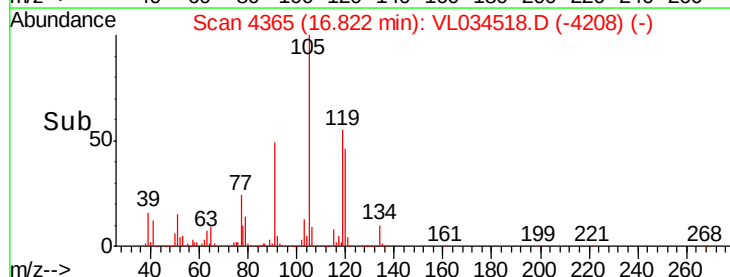
1500000

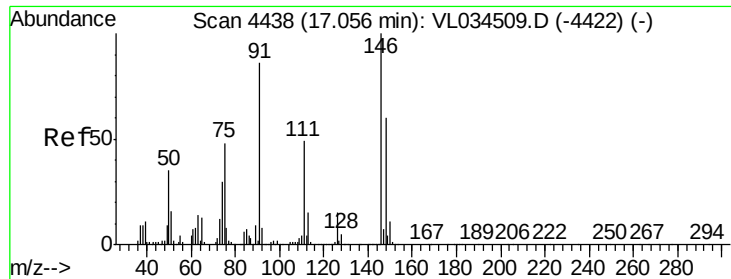
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 9.087 ppbv

RT: 17.06 min Scan# 4438

Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

Instrument :

MSVOA_L

ClientSampleId :

VL1230ABS01

Tot Ion:146 Resp: 1626303

Ion Ratio Lower Upper

146 100

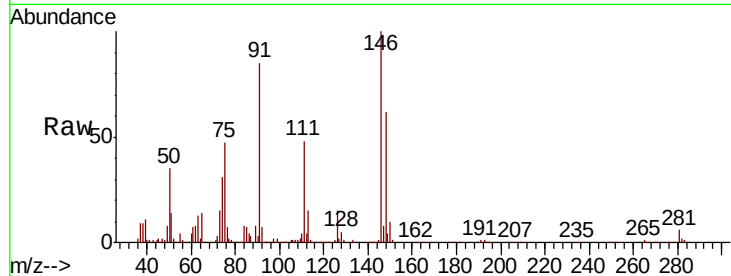
111 49.2 25.1 75.3

148 64.5 33.0 99.0

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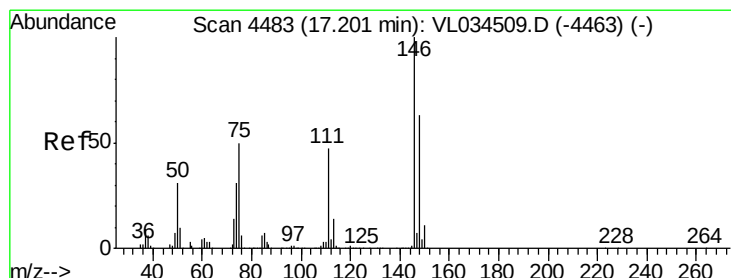
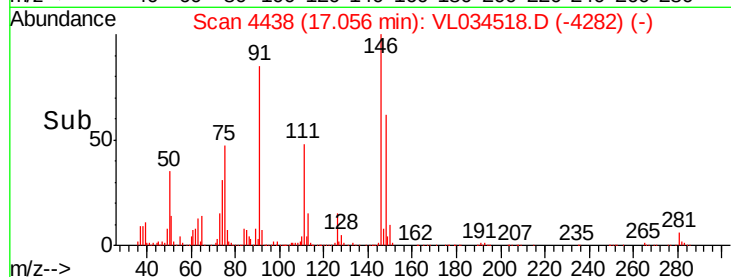
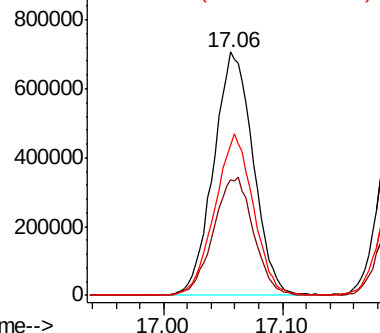
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.383 ppbv

RT: 17.20 min Scan# 4483

Delta R.T. 0.00 min

Lab File: VL034518.D

Acq: 30 Dec 2019 18:31

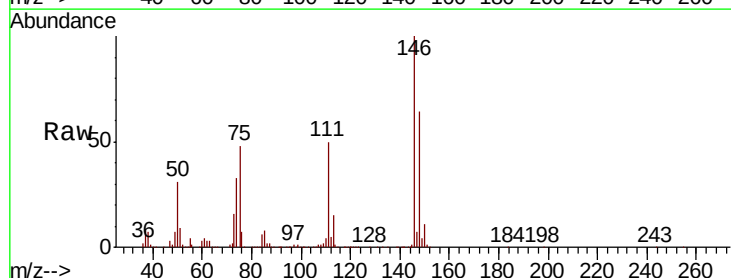
Tgt Ion:146 Resp: 1616813

Ion Ratio Lower Upper

146 100

111 48.2 23.5 70.6

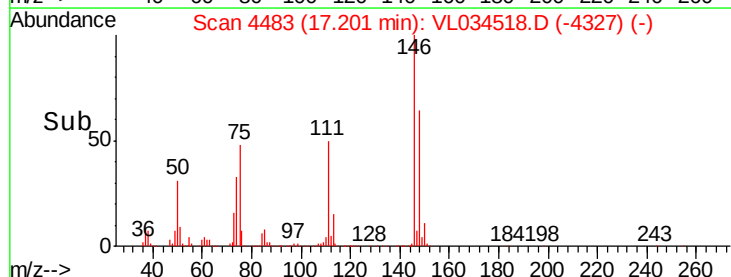
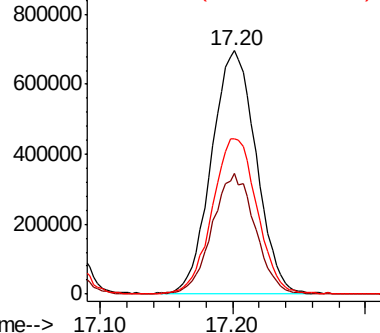
148 64.8 32.1 96.3

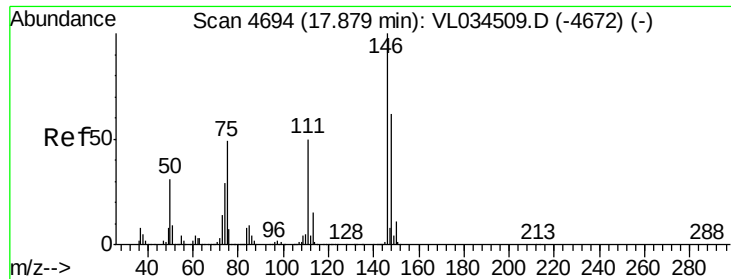


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





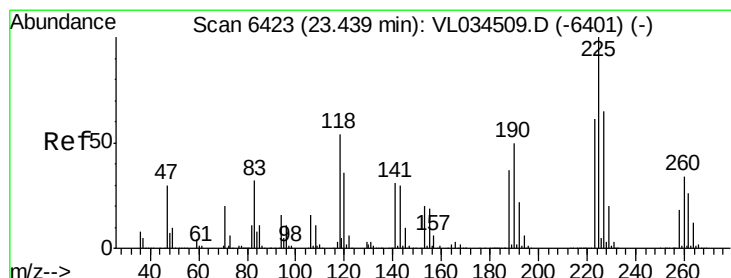
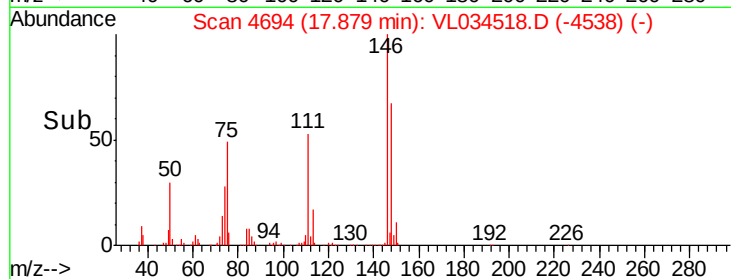
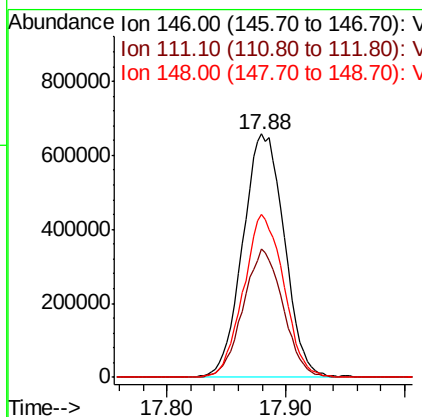
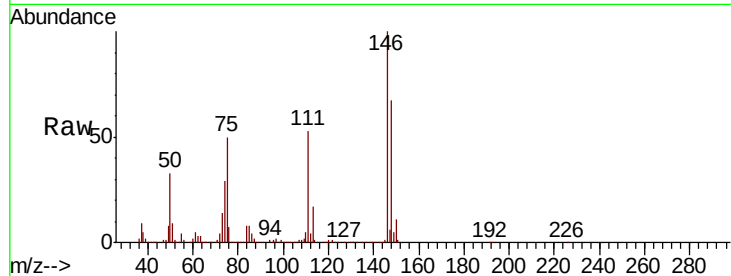
#77
 1,2-Dichlorobenzene
 Concen: 9.439 ppbv
 RT: 17.88 min Scan# 4694
 Delta R.T. 0.00 min
 Lab File: VL034518.D
 Acq: 30 Dec 2019 18:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1230ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.6	25.3	75.8
148	65.0	32.1	96.3

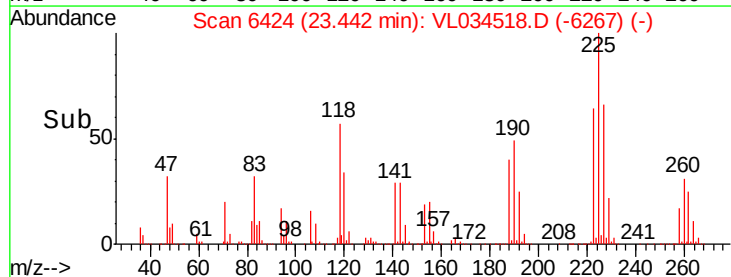
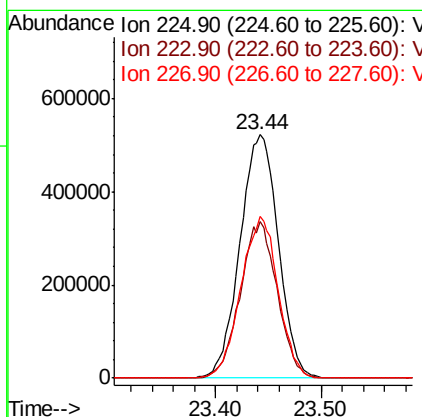
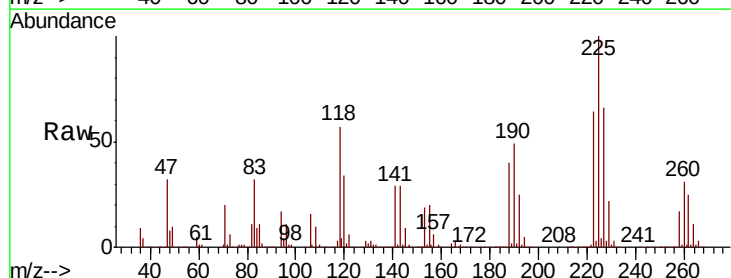
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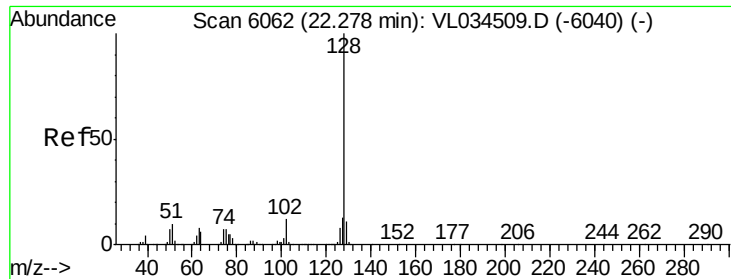
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.282 ppbv
 RT: 23.44 min Scan# 6424
 Delta R.T. 0.00 min
 Lab File: VL034518.D
 Acq: 30 Dec 2019 18:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	51.0	76.6
227	64.2	51.8	77.6





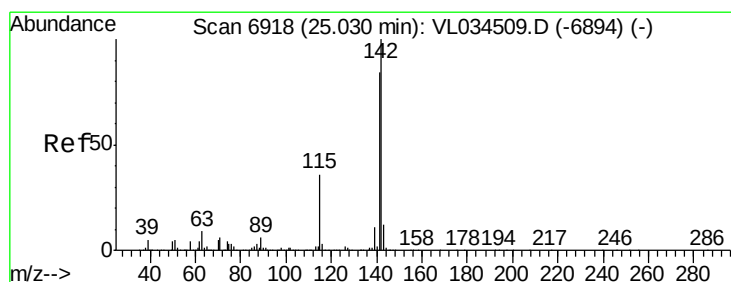
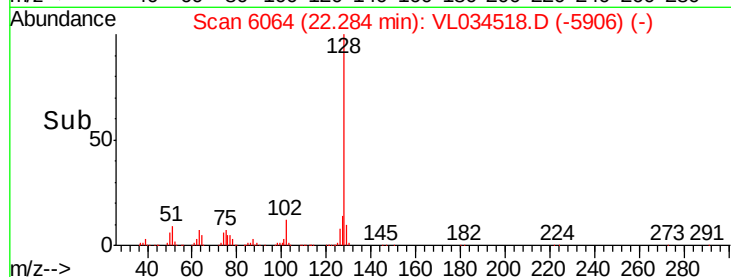
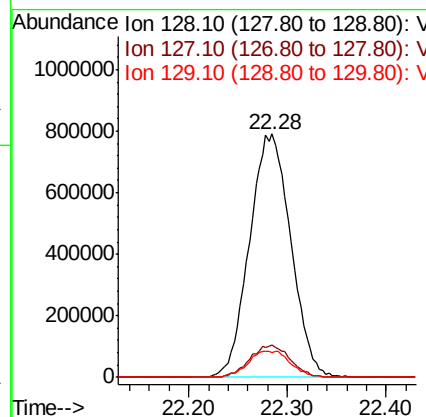
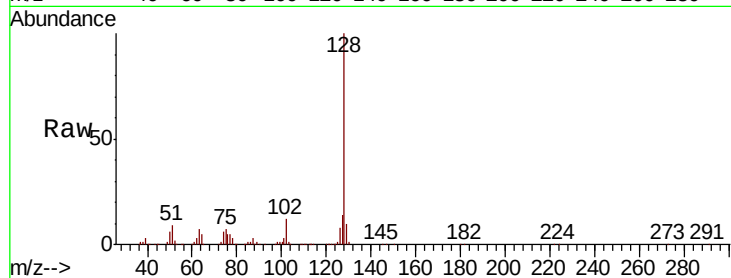
#79
Naphthalene
Concen: 10.164 ppbv
RT: 22.28 min Scan# 6064
Delta R.T. 0.01 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	10.1	8.7	13.1

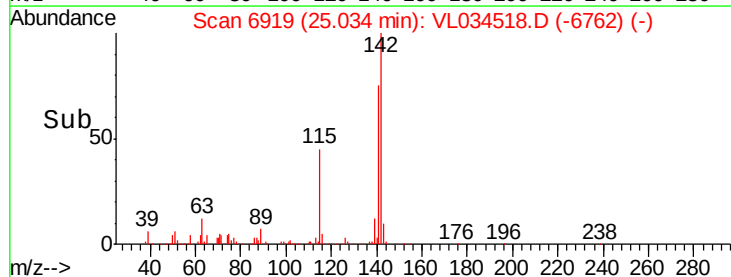
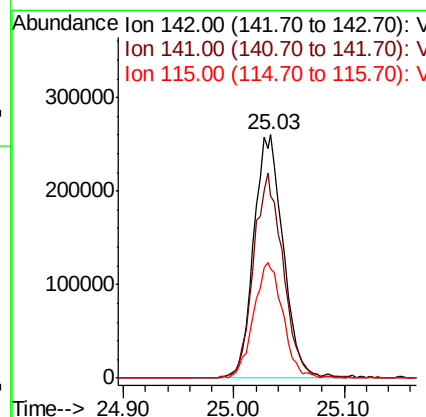
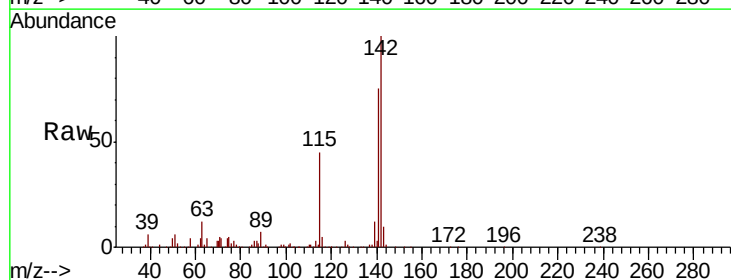
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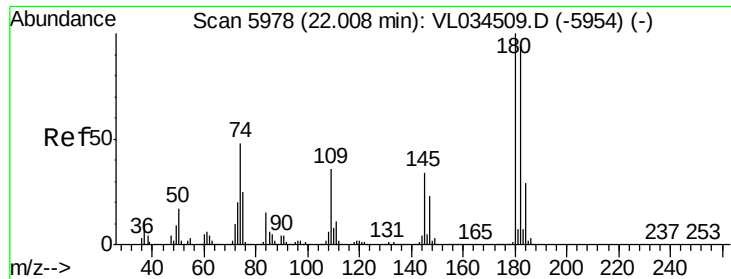
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#80
Naphthalene, 2-methyl-
Concen: 7.705 ppbv
RT: 25.03 min Scan# 6919
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.1	65.8	98.8
115	47.3	30.4	45.6





#81
 1,2,4-Trichlorobenzene
 Concen: 9.042 ppbv
 RT: 22.01 min Scan# 5978
 Delta R.T. 0.00 min
 Lab File: VL034518.D
 Acq: 30 Dec 2019 18:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1230ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.8	116.8
184	31.2	25.2	37.8

Manual Integrations
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