

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120319\
 Data File : VL034453.D
 Acq On : 3 Dec 2019 10:15
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
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 12/3/2019 5:03:29 PM

Quant Time: Dec 03 12:16:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	958137	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1923419	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	2069983	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1686842	9.69	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	1864238	10.755	ppbv 99
3) Chlorodifluoromethane	2.96	51	1090270	9.120	ppbv 98
4) Chloromethane	3.12	50	663087	9.404	ppbv 99
5) Vinyl Chloride	3.24	62	615254	9.313	ppbv 93
6) Bromomethane	3.46	94	321994	9.686	ppbv 96
7) Chloroethane	3.54	64	225195	9.391	ppbv 97
8) Dichlorotetrafluoroethane	3.17	85	1441737	9.262	ppbv 100
9) Propene	2.99	41	471866	8.891	ppbv 98
10) Heptane	8.16	43	1258127	9.186	ppbv 100
11) Trichlorofluoromethane	3.94	101	1640197	9.508	ppbv 95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1110898	9.697	ppbv 98
13) Ethanol	3.59	45	102261	6.917	ppbv 95
14) Bromoethene	3.73	108	439389	9.433	ppbv 99
15) Acetone	3.84	43	1179348	8.596	ppbv 99
16) 1,3-Butadiene	3.31	39	561875	9.401	ppbv 98
17) tert-Butyl alcohol	4.29	59	1010976	8.766	ppbv 99
18) 1,1-Dichloroethene	4.29	96	486566	9.710	ppbv 94
19) Isopropyl Alcohol	3.96	45	805169	9.156	ppbv # 99
20) Methylene Chloride	4.34	84	431017	8.859	ppbv 93
21) Allyl Chloride	4.41	41	845196	10.281	ppbv 100
22) trans-1,2-Dichloroethene	4.89	96	504251	9.982	ppbv 98
23) Vinyl Acetate	5.08	43	1744164	9.732	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1301316	9.452	ppbv 99
25) Ethyl Acetate	5.69	43	2237791	9.140	ppbv 100
26) Hexane	5.70	57	954581	9.074	ppbv 99
27) Carbon Disulfide	4.55	76	1272260	11.103	ppbv 99
28) Methyl tert-Butyl Ether	5.04	73	1673442	9.593	ppbv 100
29) Chloroform	5.77	83	1580917	9.280	ppbv 97
30) Cyclohexane	7.17	84	745812	9.377	ppbv 97
31) cis-1,2-Dichloroethene	5.57	61	1030872	9.482	ppbv 100
32) 1,1,1-Trichloroethane	6.54	97	1606836	10.060	ppbv 99
34) 2-Butanone	5.26	43	1476315	9.325	ppbv 99
35) Carbon Tetrachloride	7.05	117	1698336	10.270	ppbv 96
36) Benzene	6.92	78	1804601	9.386	ppbv 95
37) 1,2-Dichloroethane	6.34	62	1395055	9.767	ppbv 99
38) Trichloroethene	7.88	130	728476	9.232	ppbv 98
39) 1,2-Dichloropropane	7.65	63	749129	10.113	ppbv 93
40) 1,4-Dioxane	7.87	88	277200	8.567	ppbv # 100
41) Tetrahydrofuran	6.07	42	831008	9.358	ppbv 99
42) Bromodichloromethane	7.83	83	1760454	9.855	ppbv 97
43) Methyl Methacrylate	8.05	69	786046m	9.857	ppbv

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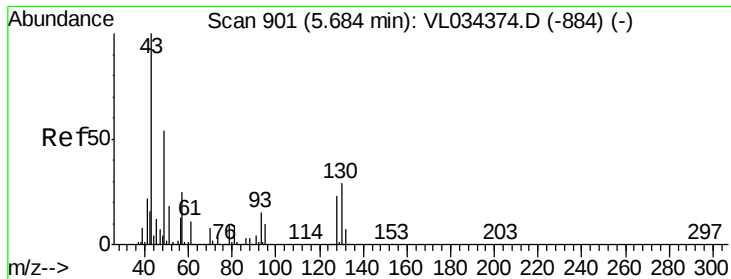
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3237570	9.214	ppbv	100
45) t-1,3-Dichloropropene	9.33	75	1104513	10.800	ppbv	97
46) cis-1,3-Dichloropropene	8.75	75	1201138	10.456	ppbv	97
47) 1,1,2-Trichloroethane	9.53	97	780741	9.475	ppbv	96
48) Dibromochloromethane	10.36	129	1453783	10.276	ppbv	99
49) Bromoform	13.11	173	1325514	10.495	ppbv	100
50) 4-Methyl-2-Pentanone	8.78	43	2193272	9.575	ppbv	100
51) 2-Hexanone	10.18	43	1841402	9.597	ppbv #	98
52) Tetrachloroethene	11.28	164	686981	8.258	ppbv	98
53) Toluene	9.86	91	2097652	9.605	ppbv	100
54) 1,2-Dibromoethane	10.67	107	1181946	9.356	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.19	131	969505	9.575	ppbv	96
57) Chlorobenzene	12.21	112	1630432	8.713	ppbv	98
58) Ethyl Benzene	12.77	91	2920388	9.091	ppbv	100
59) m/p-Xylene	13.06	91	4942624m	17.800	ppbv	
60) o-Xylene	13.76	91	2457779	8.952	ppbv	99
61) Styrene	13.59	104	1813656	9.161	ppbv	100
62) Isopropylbenzene	14.73	105	3192572	8.792	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.75	83	1716591	8.318	ppbv	100
64) n-propylbenzene	15.63	120	838478	8.892	ppbv	98
65) tert-Butylbenzene	16.82	119	2831606	8.682	ppbv	100
66) Benzyl Chloride	17.07	91	1450089	11.557	ppbv	99
67) sec-Butylbenzene	17.37	105	3958958	8.677	ppbv	99
69) p-Isopropyltoluene	17.73	119	3289711	8.688	ppbv	99
70) n-Butylbenzene	18.63	91	3508125	8.611	ppbv	99
71) 2-Chlorotoluene	15.53	91	2511895	8.676	ppbv	100
72) 4-Ethyltoluene	15.91	105	2821515	8.894	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	2701415	8.700	ppbv	97
74) 1,2,4-Trimethylbenzene	16.84	105	2800029	8.489	ppbv	96
75) 1,3-Dichlorobenzene	17.08	146	1591533	8.394	ppbv	100
76) 1,4-Dichlorobenzene	17.22	146	1590814	8.641	ppbv	99
77) 1,2-Dichlorobenzene	17.90	146	1549130	8.460	ppbv	99
78) Hexachloro-1,3-Butadiene	23.46	225	1406927	8.942	ppbv	99
79) Naphthalene	22.30	128	2380337	8.325	ppbv	97
80) Naphthalene, 2-methyl-	25.04	142	1307825	10.129	ppbv	99
81) 1,2,4-Trichlorobenzene	22.03	180	1434398	8.166	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

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MSVOA_L

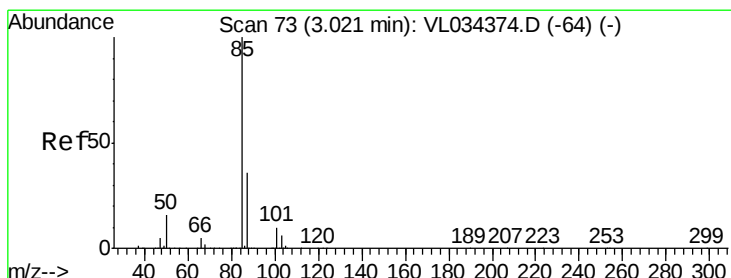
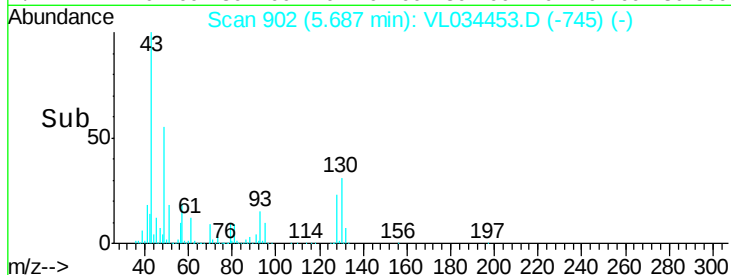
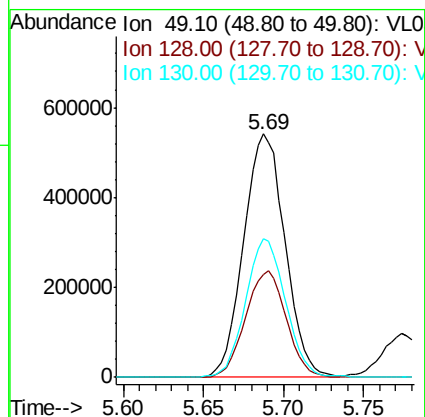
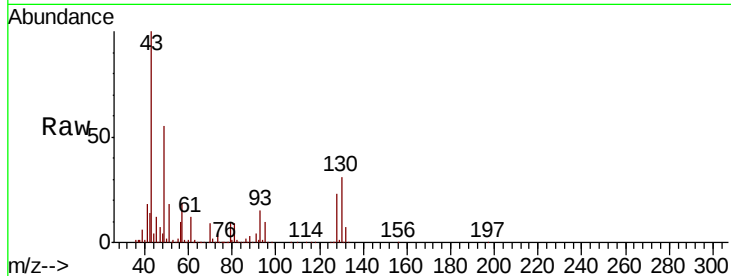
ClientSampleId :

VSTDCCC010

Tot Ion:	49	Resp:	958137
Ion Ratio	Lower	Upper	
49	100		
128	43.3	21.8	65.3
130	55.1	28.0	84.0

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#2

Dichlorodifluoromethane

Concen: 10.755 ppbv

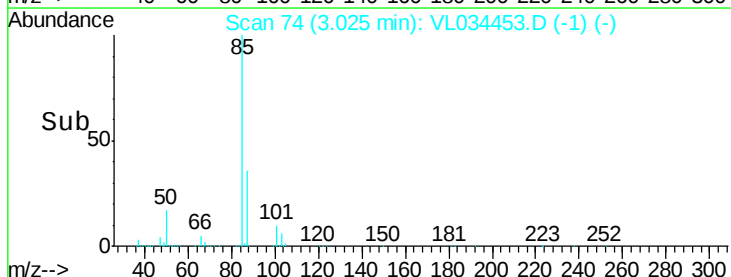
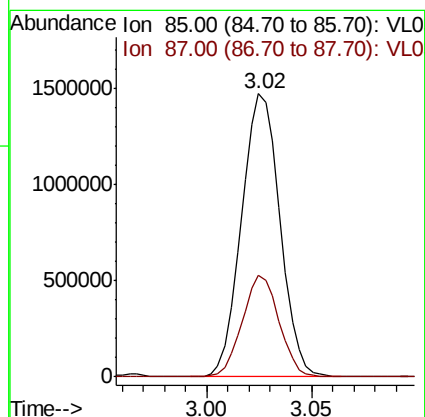
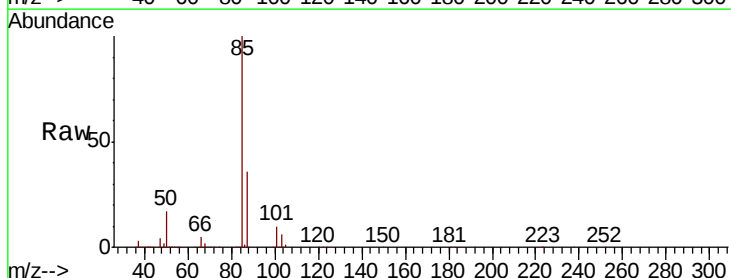
RT: 3.02 min Scan# 74

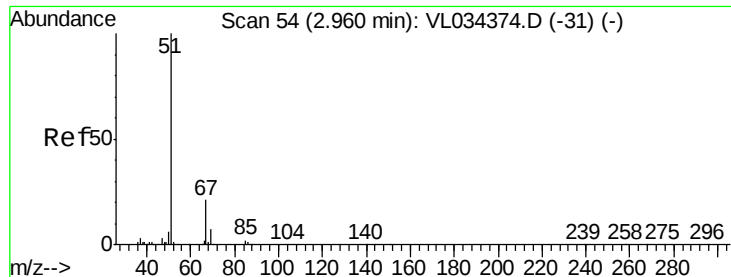
Delta R.T. 0.00 min

Lab File: VL034453.D

Acq: 3 Dec 2019 10:15

Tgt Ion:	85	Resp:	1864238
Ion Ratio	Lower	Upper	
85	100		
87	36.1	28.5	42.7





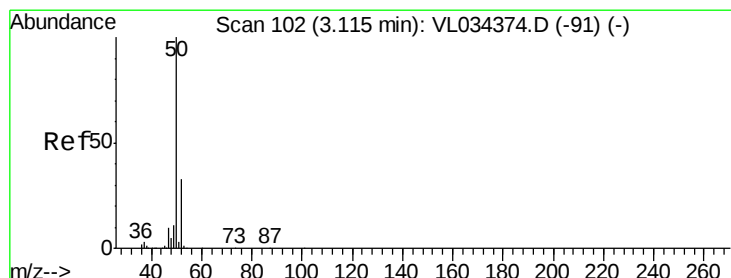
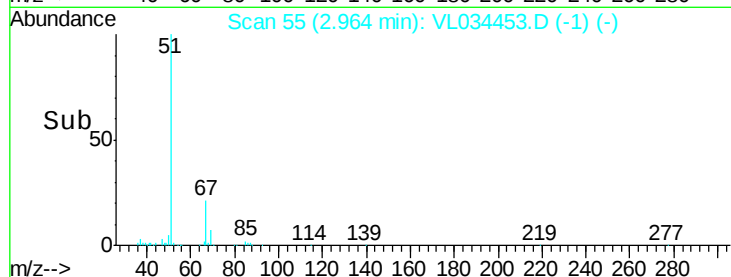
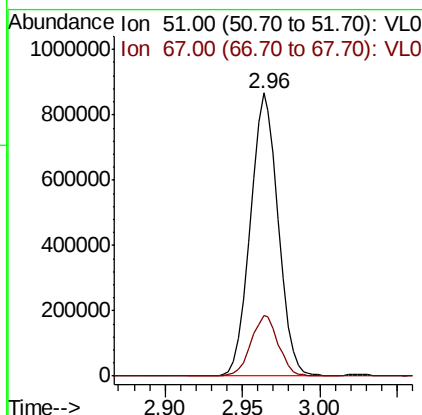
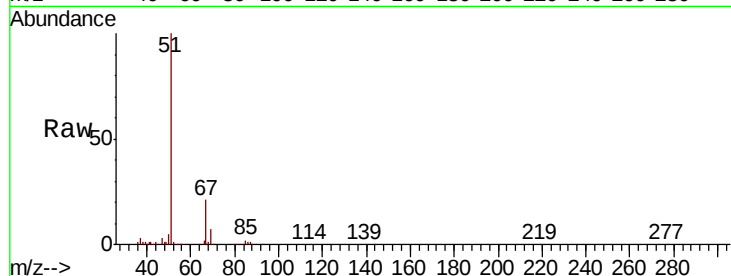
#3
Chlorodifluoromethane
Concen: 9.120 ppbv
RT: 2.96 min Scan# 55
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

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MSVOA_L
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Tot Ion: 51 Resp: 1090270
Ion Ratio Lower Upper
51 100
67 21.1 16.2 24.2

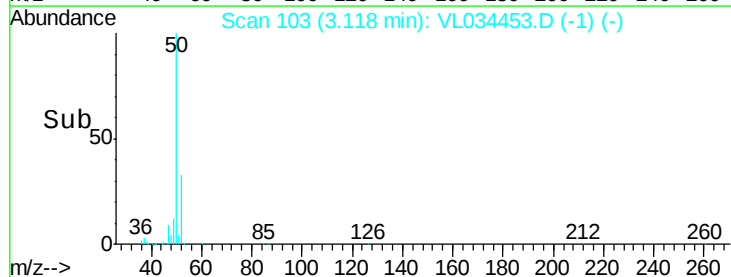
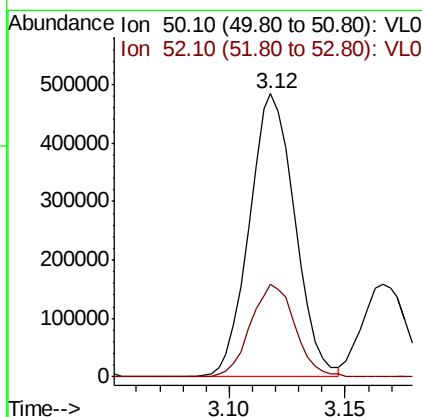
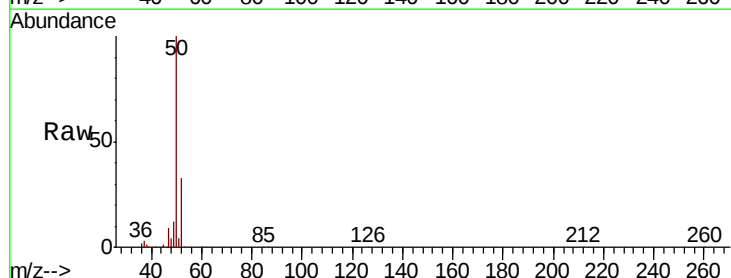
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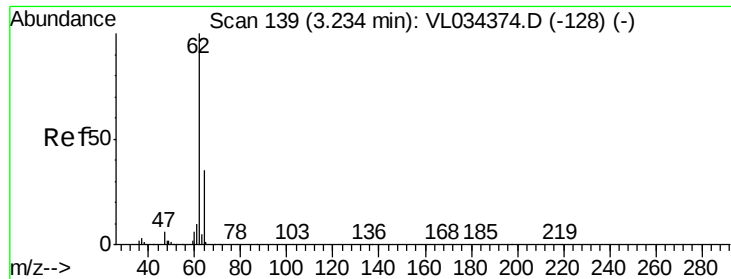
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#4
Chloromethane
Concen: 9.404 ppbv
RT: 3.12 min Scan# 103
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 50 Resp: 663087
Ion Ratio Lower Upper
50 100
52 32.8 26.8 40.2





#5

Vinyl Chloride

Concen: 9.313 ppbv

RT: 3.24 min Scan# 140

Delta R.T. 0.00 min

Lab File: VL034453.D

Acq: 3 Dec 2019 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 615254

Ion Ratio Lower Upper

62 100

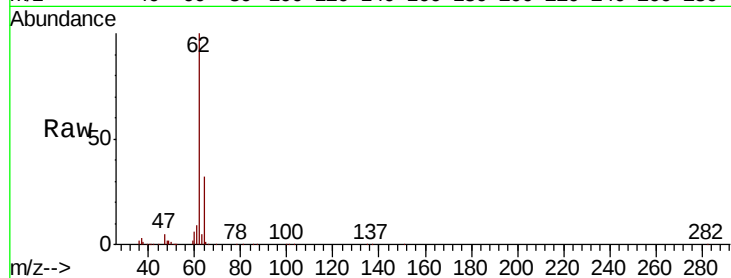
64 31.6 28.4 42.6

Manual Integrations

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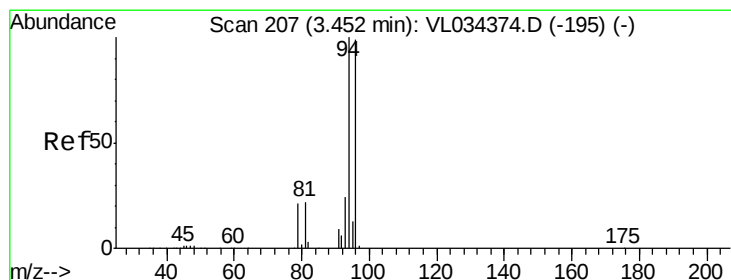
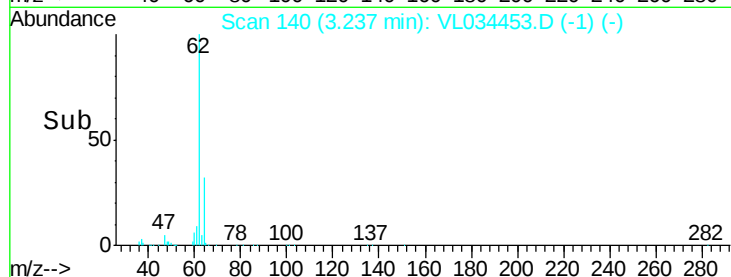
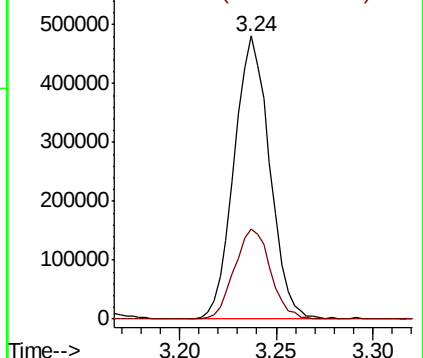
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.686 ppbv

RT: 3.46 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL034453.D

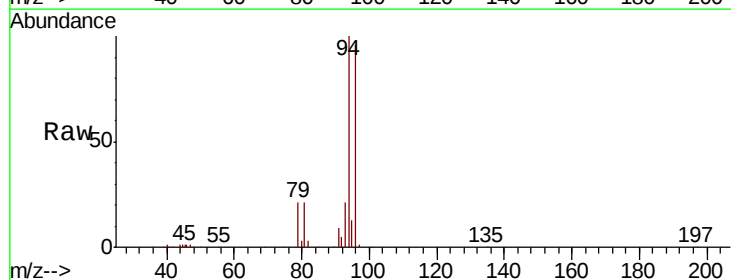
Acq: 3 Dec 2019 10:15

Tgt Ion: 94 Resp: 321994

Ion Ratio Lower Upper

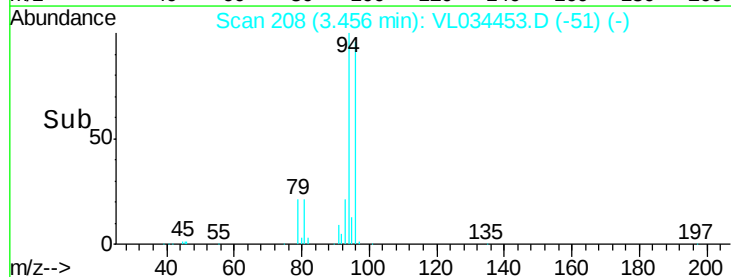
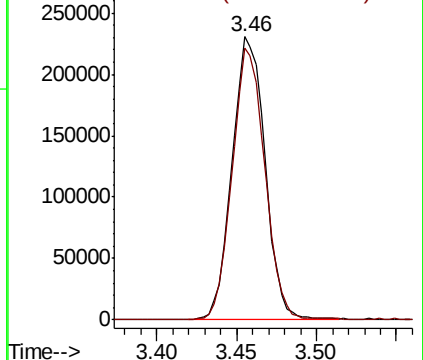
94 100

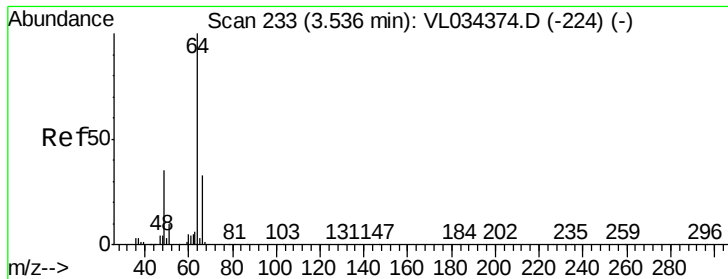
96 95.9 79.5 119.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.391 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.01 min

Lab File: VL034453.D

Acq: 3 Dec 2019 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 225195

Ion Ratio Lower Upper

64 100

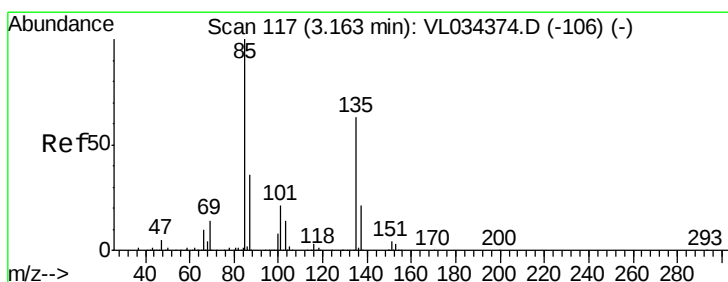
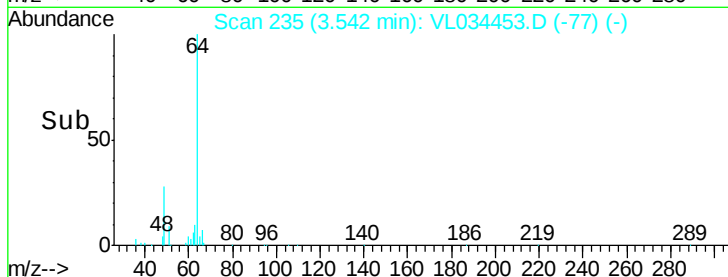
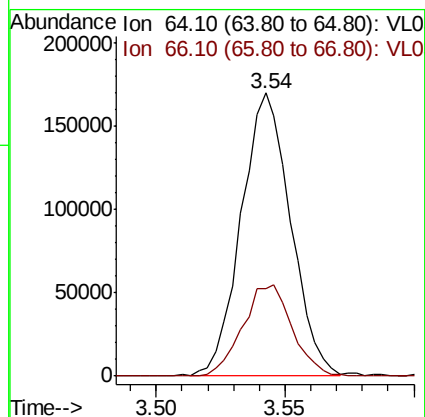
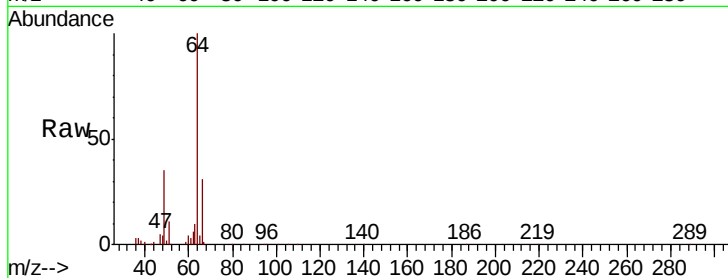
66 30.8 26.0 39.0

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#8

Dichlorotetrafluoroethane

Concen: 9.262 ppbv

RT: 3.17 min Scan# 118

Delta R.T. 0.00 min

Lab File: VL034453.D

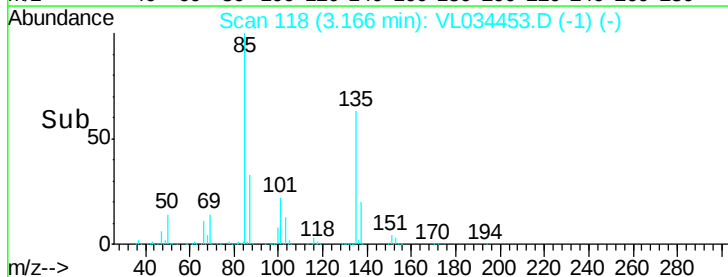
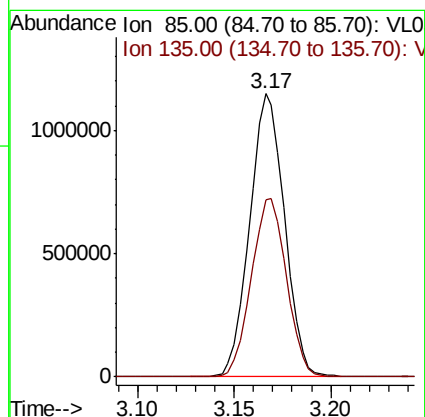
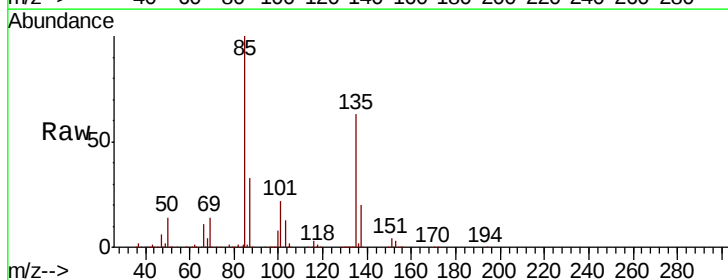
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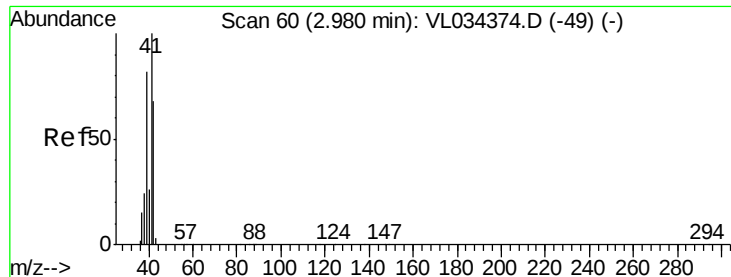
Tgt Ion: 85 Resp: 1441737

Ion Ratio Lower Upper

85 100

135 63.9 51.1 76.7





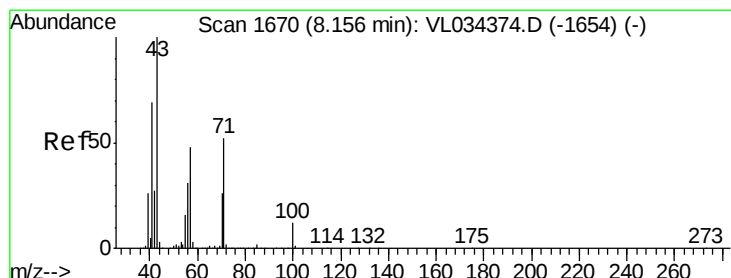
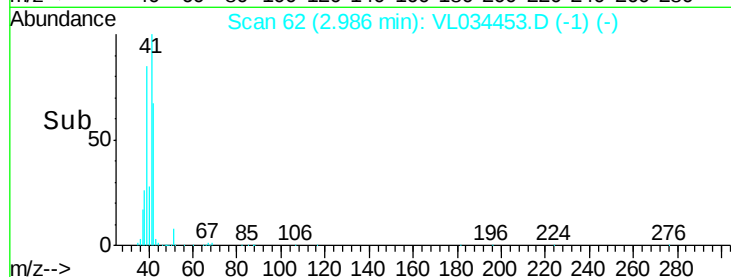
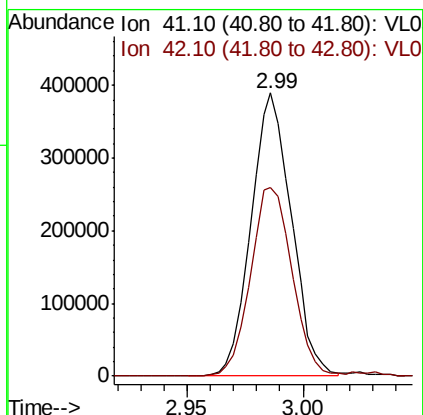
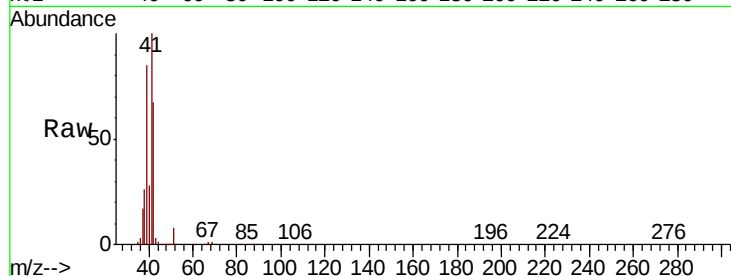
#9
 Propene
 Concen: 8.891 ppbv
 RT: 2.99 min Scan# 62
 Delta R.T. 0.01 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 41 Resp: 471866
 Ion Ratio Lower Upper
 41 100
 42 70.2 54.6 82.0

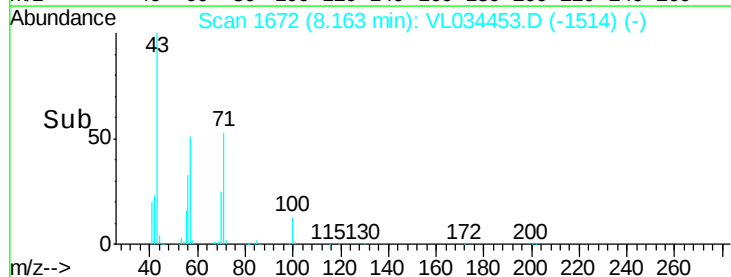
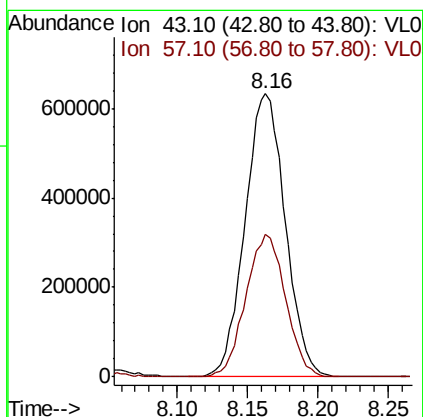
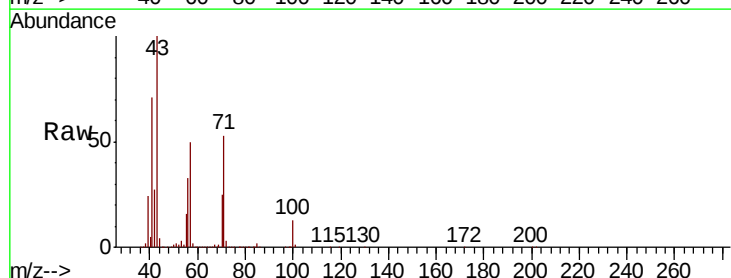
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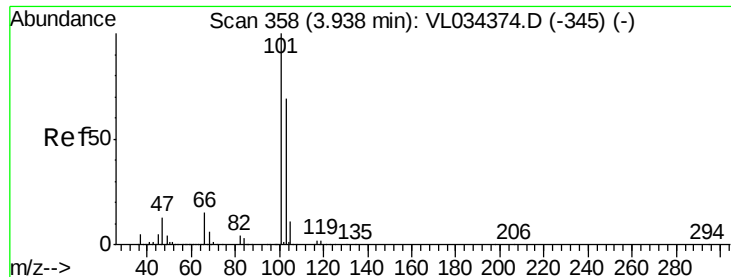
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#10
 Heptane
 Concen: 9.186 ppbv
 RT: 8.16 min Scan# 1672
 Delta R.T. 0.01 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Tgt Ion: 43 Resp: 1258127
 Ion Ratio Lower Upper
 43 100
 57 50.1 40.2 60.2





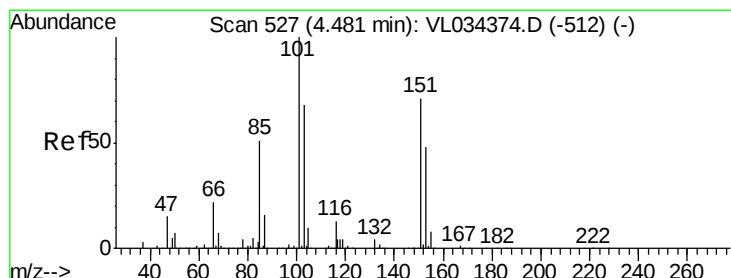
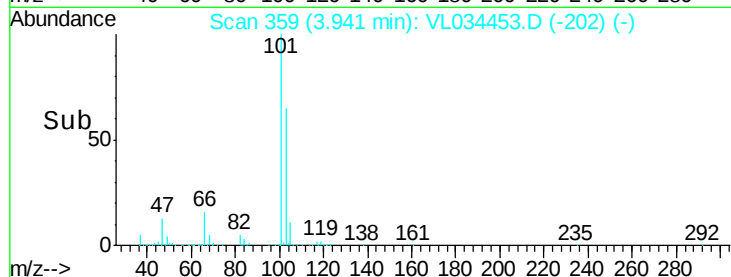
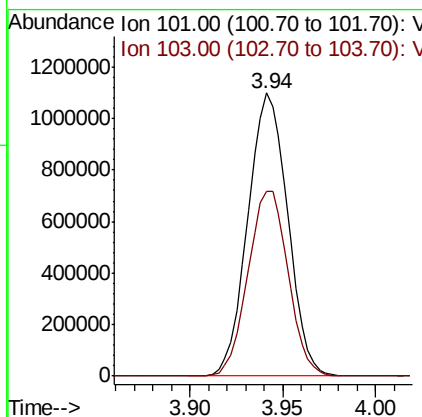
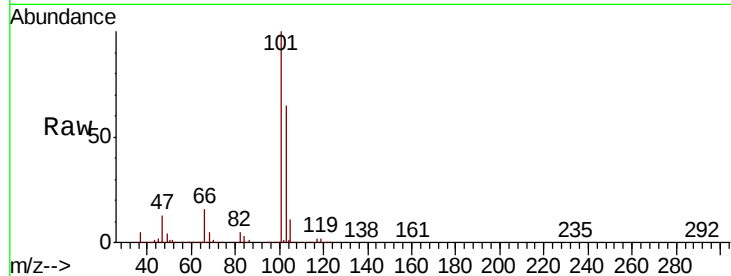
#11
 Trichlorofluoromethane
 Concen: 9.508 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1640197
 Ion Ratio Lower Upper
 101 100
 103 65.3 55.4 83.0

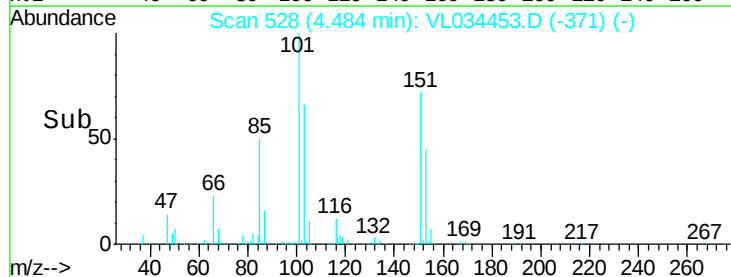
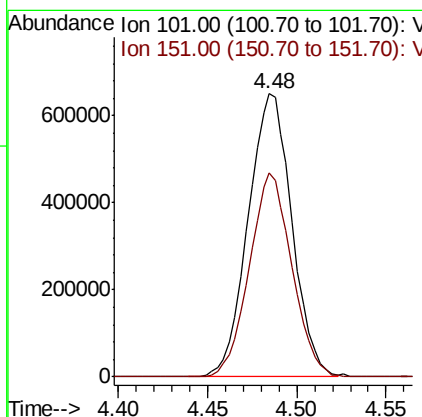
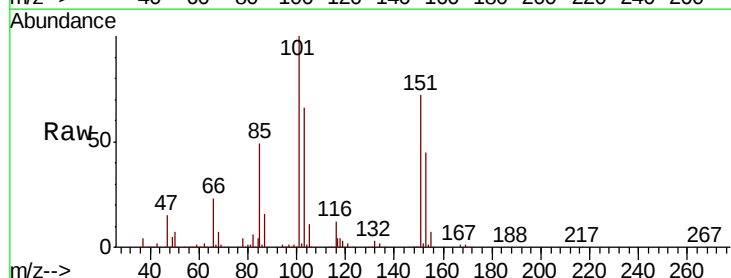
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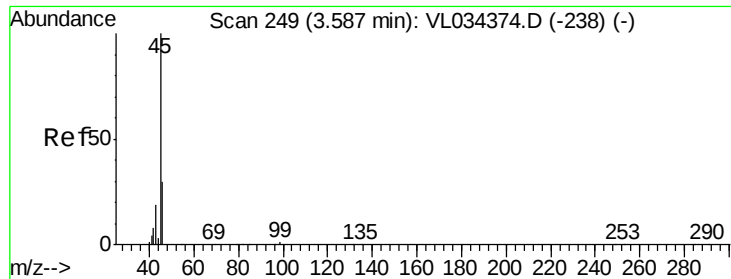
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.697 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Tgt Ion:101 Resp: 1110898
 Ion Ratio Lower Upper
 101 100
 151 70.4 57.4 86.2





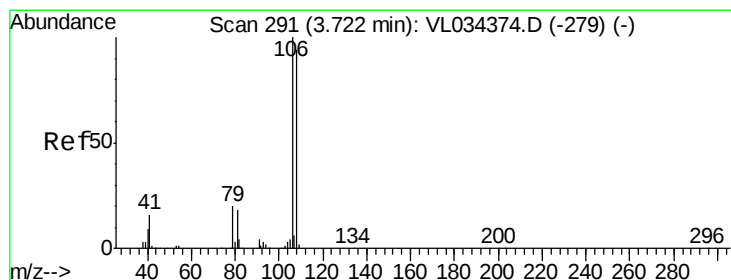
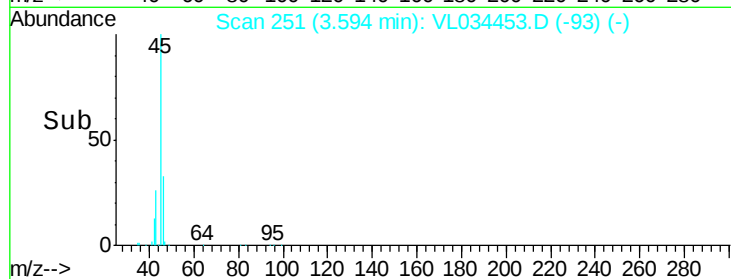
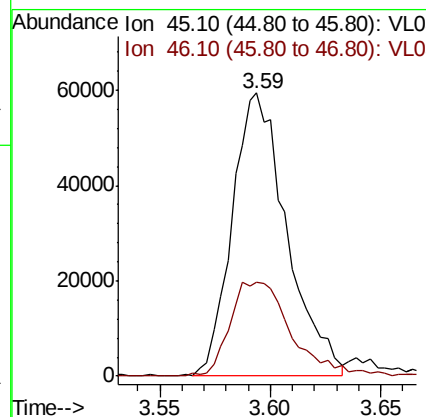
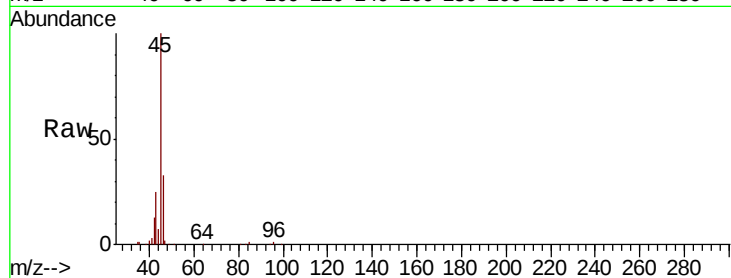
#13
Ethanol
Concen: 6.917 ppbv
RT: 3.59 min Scan# 251
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	37.6	13.8	55.4

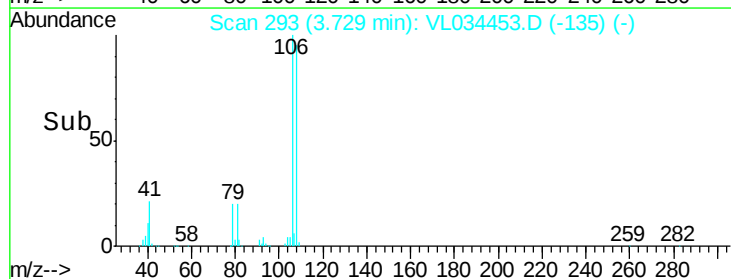
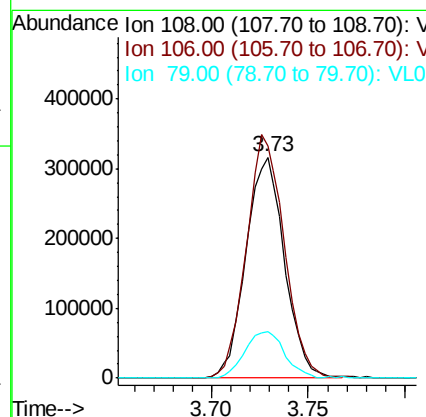
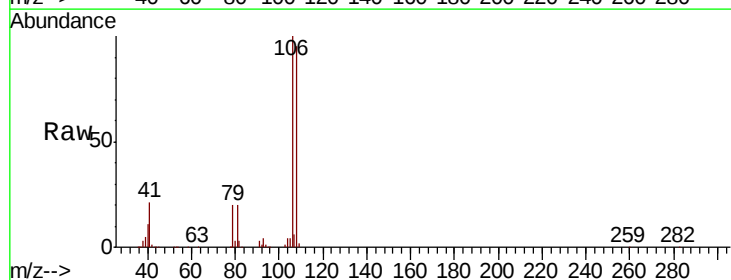
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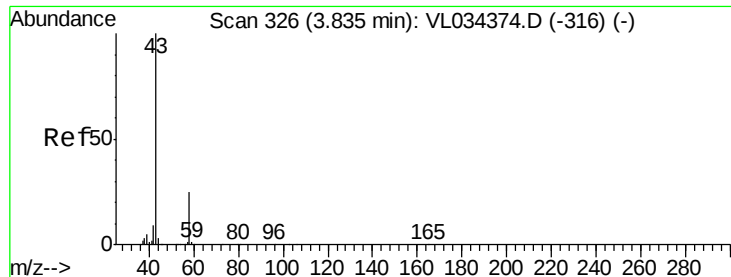
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#14
Bromoethene
Concen: 9.433 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion	Ratio	Lower	Upper
108	100		
106	108.6	85.7	128.5
79	21.9	17.2	25.8





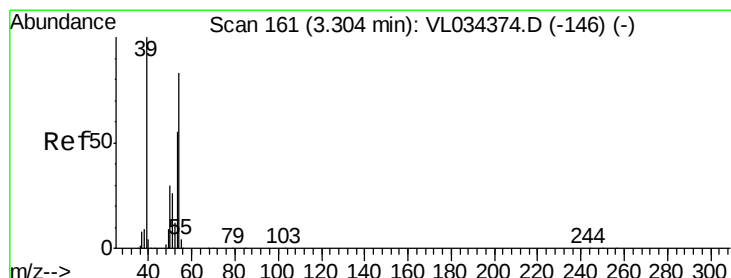
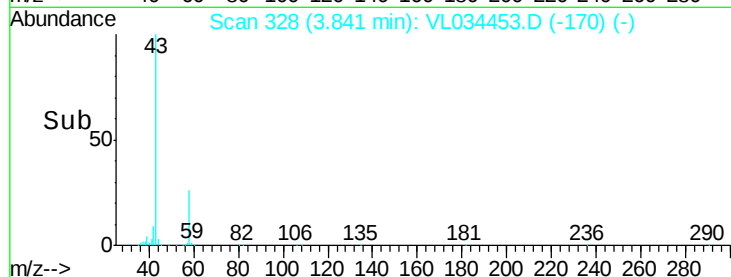
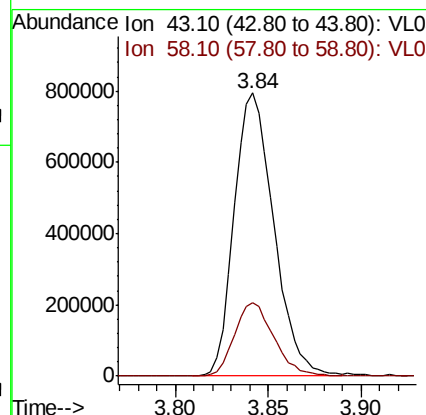
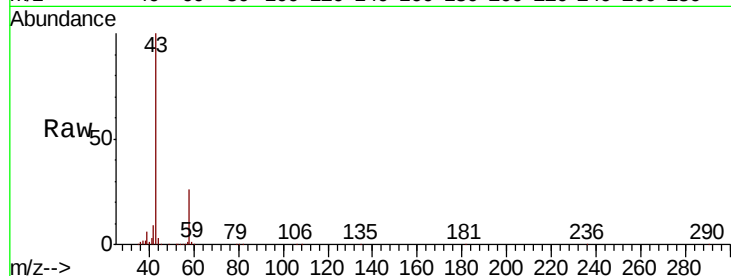
#15
Acetone
Concen: 8.596 ppbv
RT: 3.84 min Scan# 328
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1179348
Ion Ratio Lower Upper
43 100
58 26.0 20.2 30.4

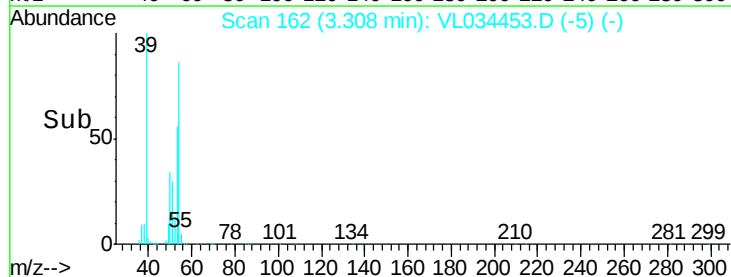
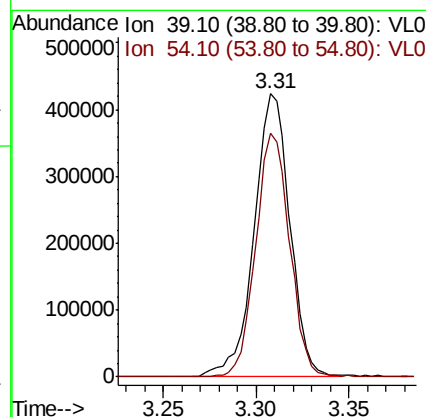
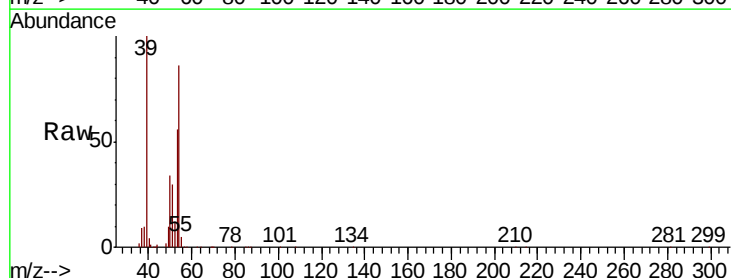
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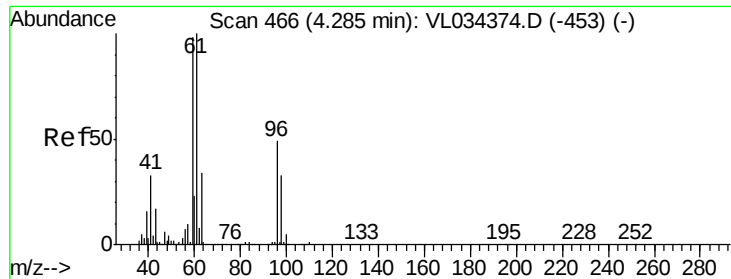
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#16
1,3-Butadiene
Concen: 9.401 ppbv
RT: 3.31 min Scan# 162
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 39 Resp: 561875
Ion Ratio Lower Upper
39 100
54 83.0 64.7 97.1





#17

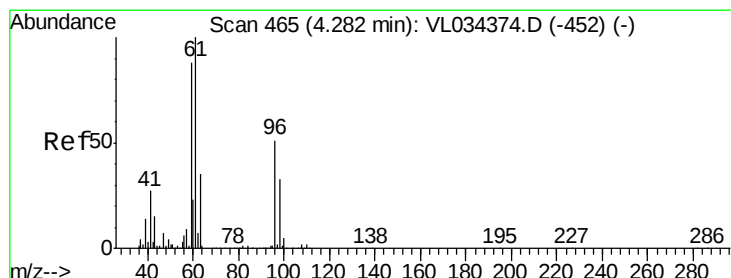
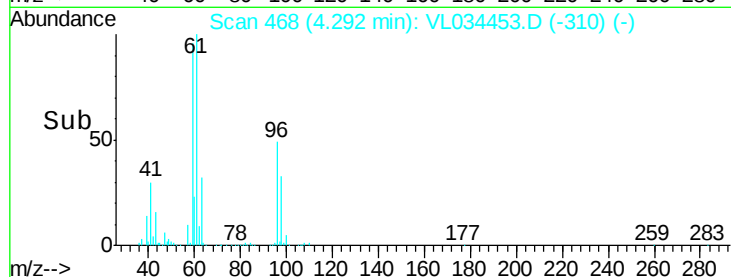
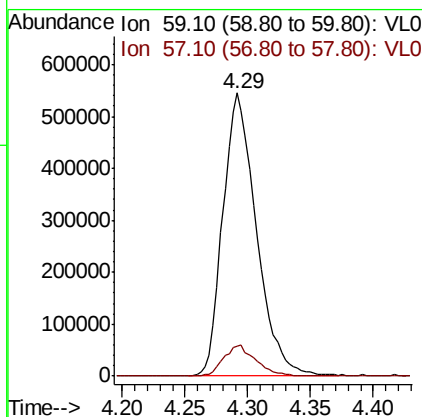
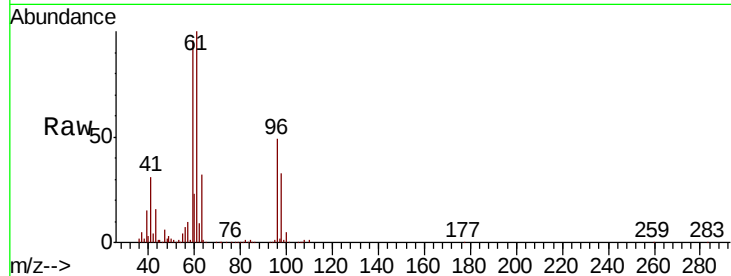
tert-Butyl alcohol
Concen: 8.766 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1010976
Ion Ratio Lower Upper
59 100
57 10.7 8.8 13.2

Manual Integrations
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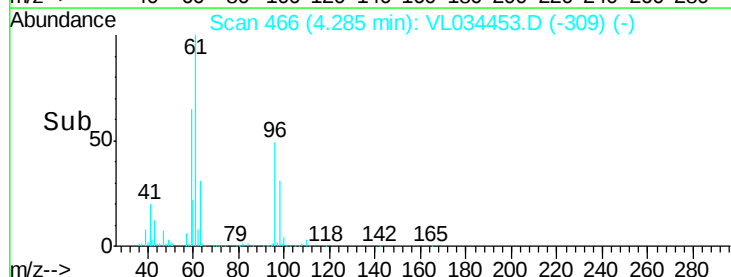
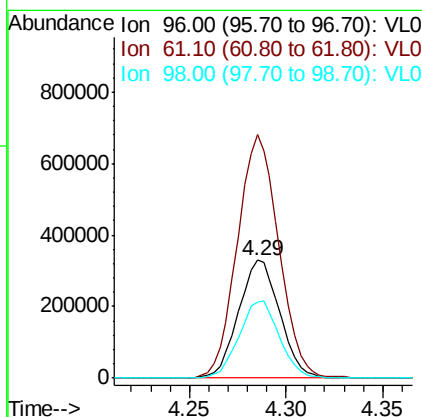
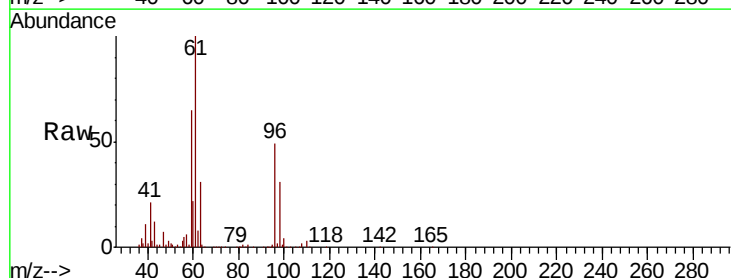
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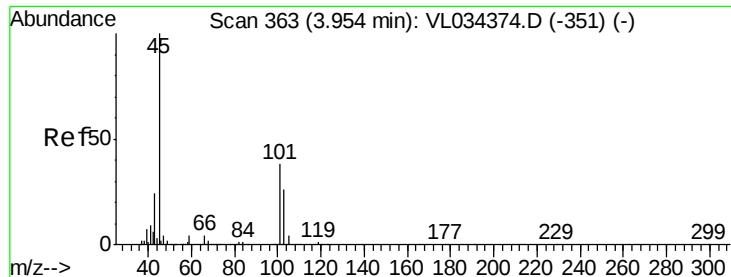


#18

1,1-Dichloroethene
Concen: 9.710 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 96 Resp: 486566
Ion Ratio Lower Upper
96 100
61 205.9 155.6 233.4
98 64.6 51.6 77.4





#19

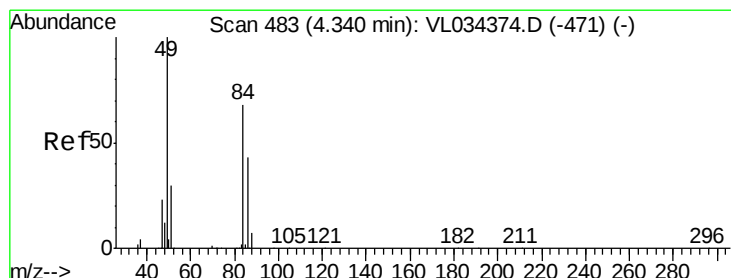
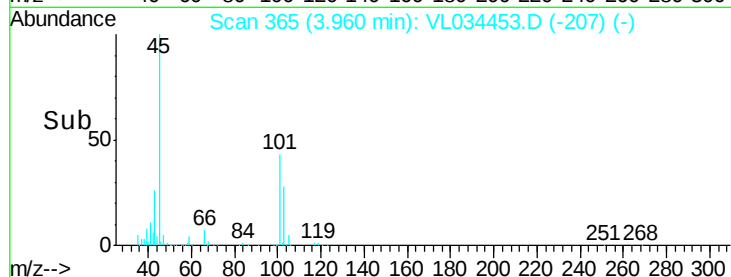
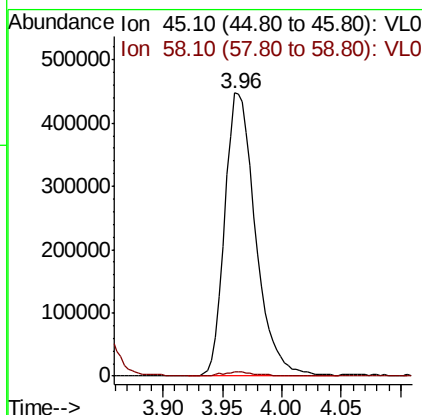
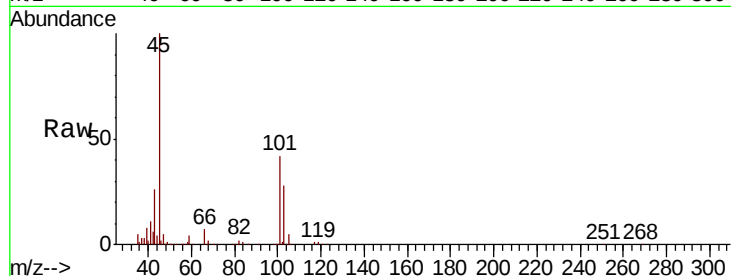
Isopropyl Alcohol
 Concen: 9.156 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
58	1.9	1.3	1.9#

Manual Integrations
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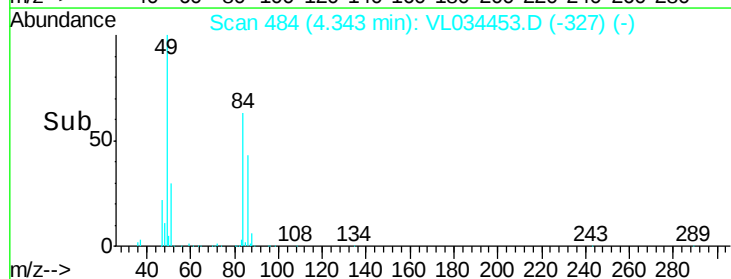
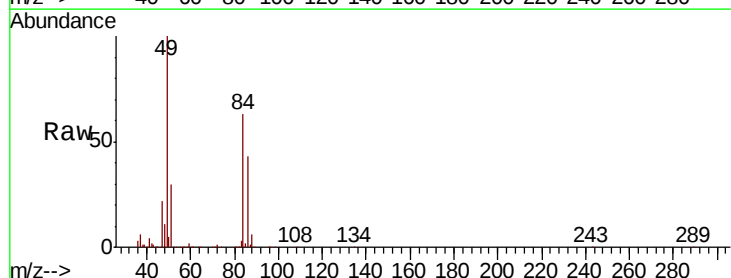
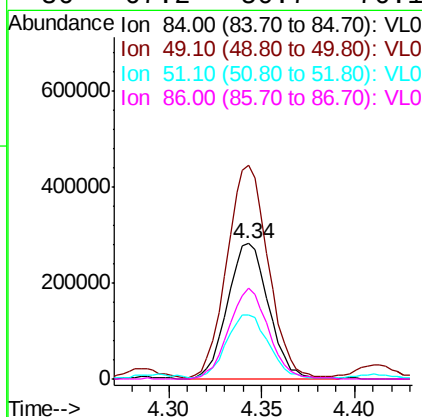
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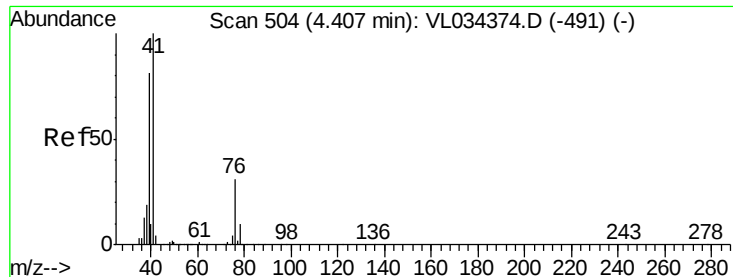


#20

Methylene Chloride
 Concen: 8.859 ppbv
 RT: 4.34 min Scan# 484
 Delta R.T. 0.00 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	157.2	116.8	175.2
51	46.5	35.6	53.4
86	67.2	50.7	76.1





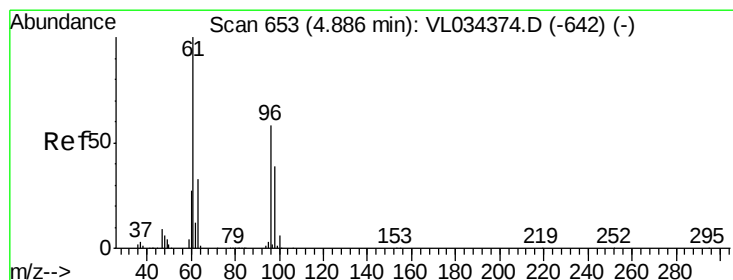
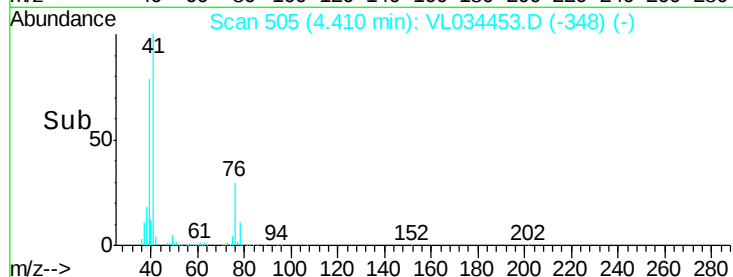
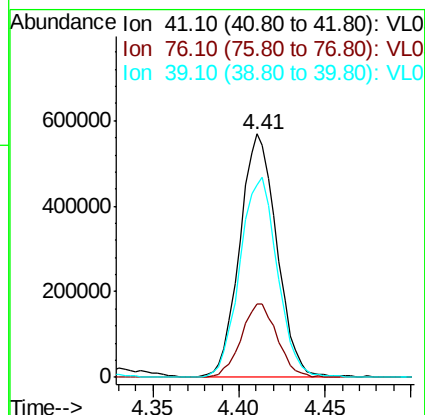
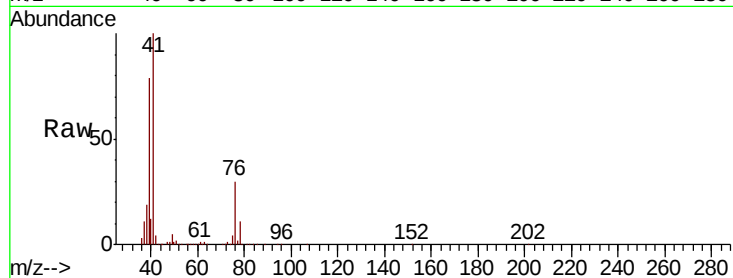
#21
Allvl Chloride
Concen: 10.281 ppbv
RT: 4.41 min Scan# 505
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.7	24.2	36.2
39	83.5	66.9	100.3

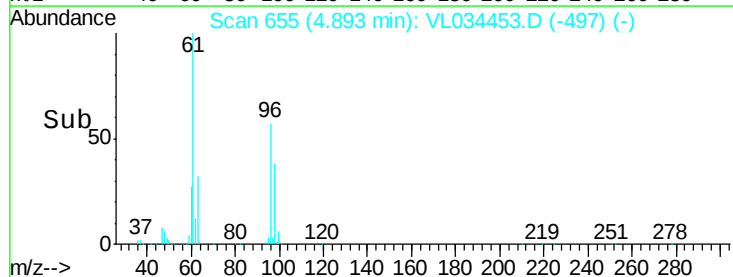
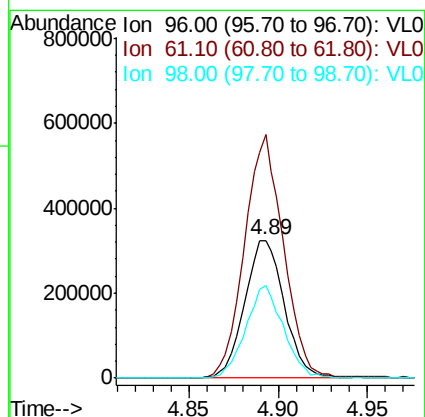
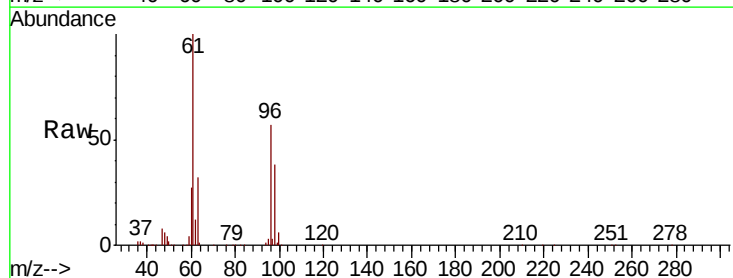
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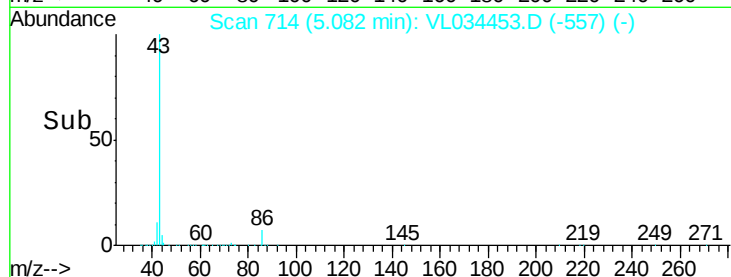
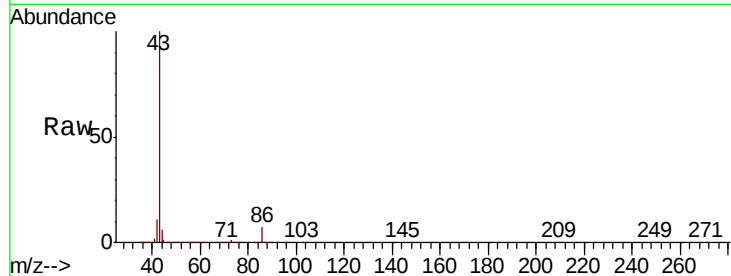
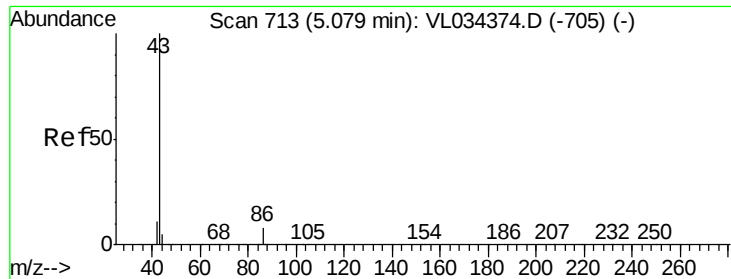
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#22
trans-1,2-Dichloroethene
Concen: 9.982 ppbv
RT: 4.89 min Scan# 655
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

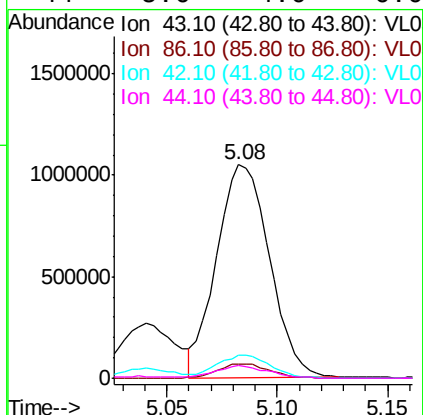
Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.4	137.9	206.9
98	66.7	53.5	80.3





#23
 Vinyl Acetate
 Concen: 9.732 ppbv
 RT: 5.08 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

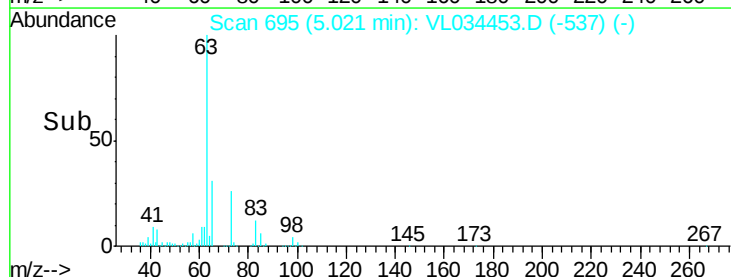
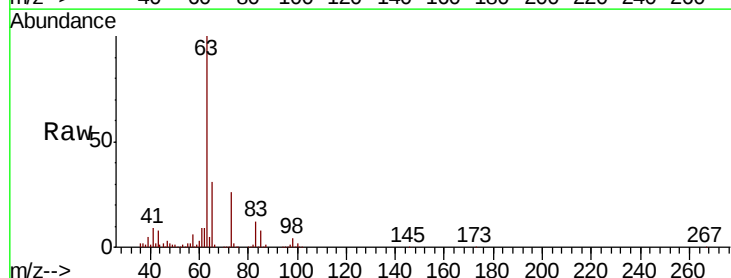
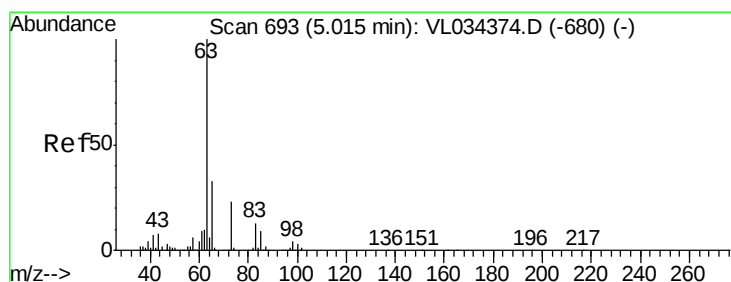
Tot Ion	43	Resp	1744164
Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.8	8.6
42	11.0	8.9	13.3
44	5.6	4.0	6.0



Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

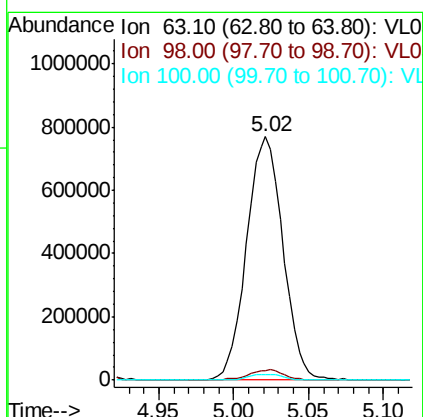
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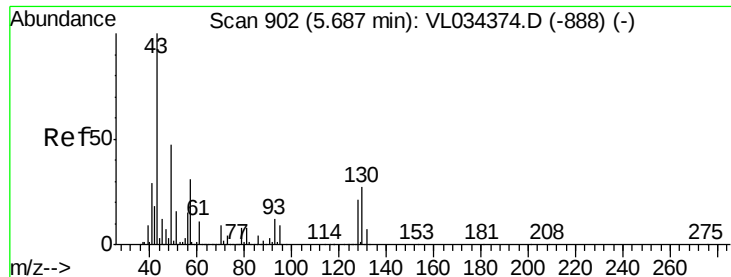
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#24
 1,1-Dichloroethane
 Concen: 9.452 ppbv
 RT: 5.02 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Tgt Ion	63	Resp	1301316
Ion	Ratio	Lower	Upper
63	100		
98	3.5	1.9	5.7
100	2.3	1.4	4.0





#25

Ethyl Acetate

Concen: 9.140 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

Lab File: VL034453.D

Acq: 3 Dec 2019 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2237791

Ion Ratio Lower Upper

43 100

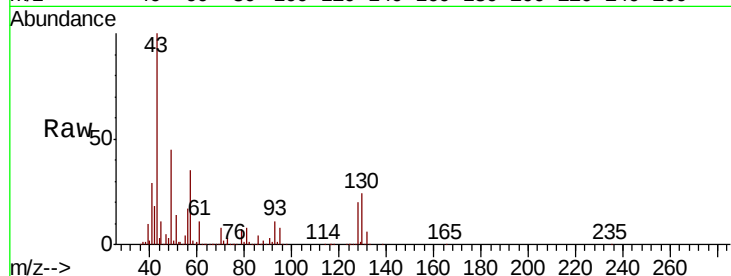
45 10.2 8.2 12.4

61 9.5 7.5 11.3

70 7.0 5.7 8.5

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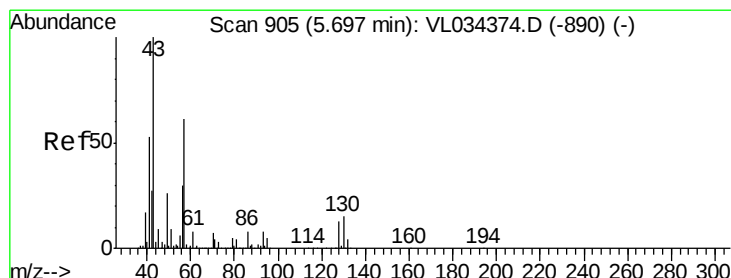
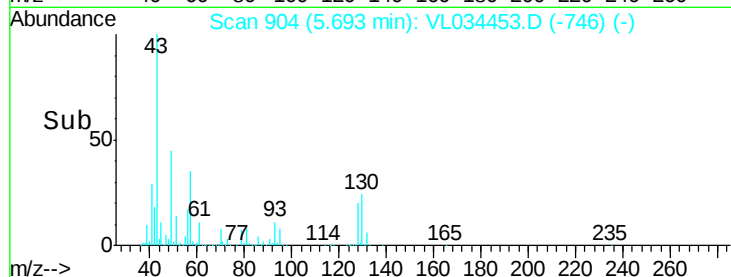
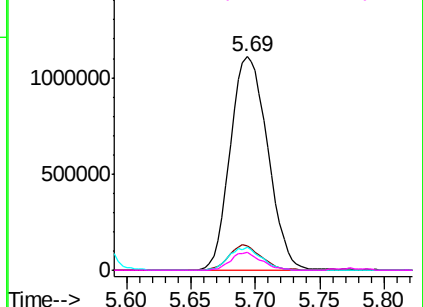


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.074 ppbv

RT: 5.70 min Scan# 907

Delta R.T. 0.01 min

Lab File: VL034453.D

Acq: 3 Dec 2019 10:15

Tgt Ion: 57 Resp: 954581

Ion Ratio Lower Upper

57 100

41 94.8 75.0 112.4

43 234.7 186.6 279.8

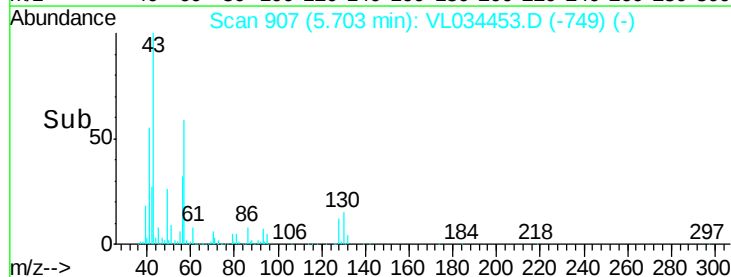
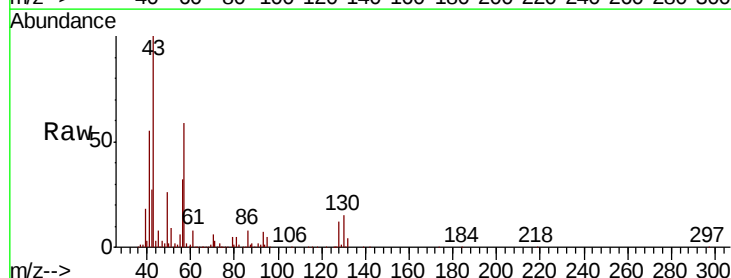
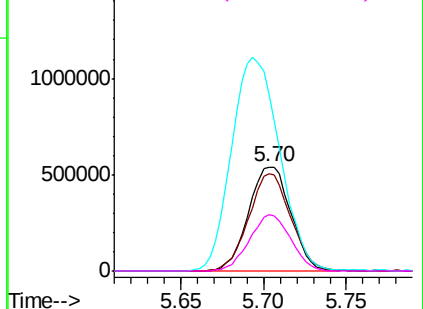
56 53.3 41.5 62.3

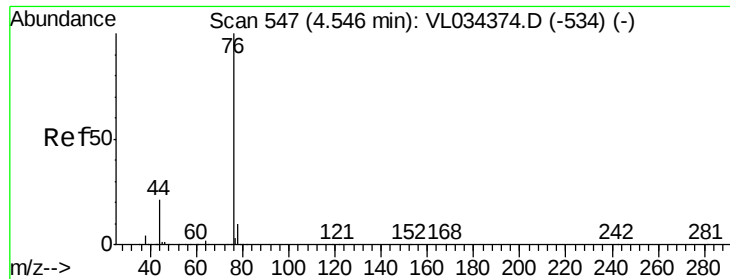
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.103 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.00 min

Lab File: VL034453.D

Acq: 3 Dec 2019 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1272260

Ion Ratio Lower Upper

76 100

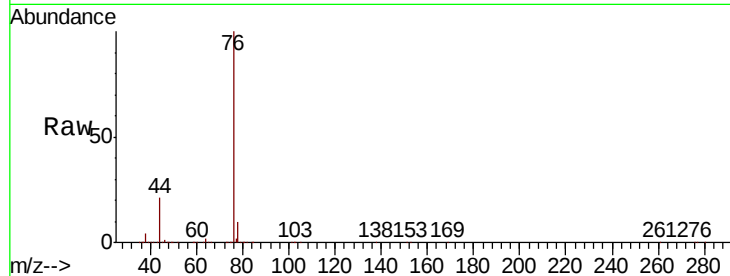
44 20.8 17.0 25.4

78 9.3 7.6 11.4

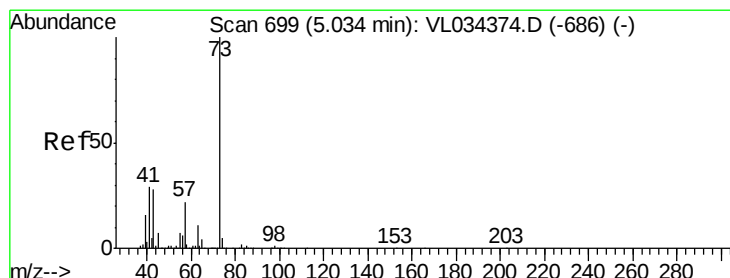
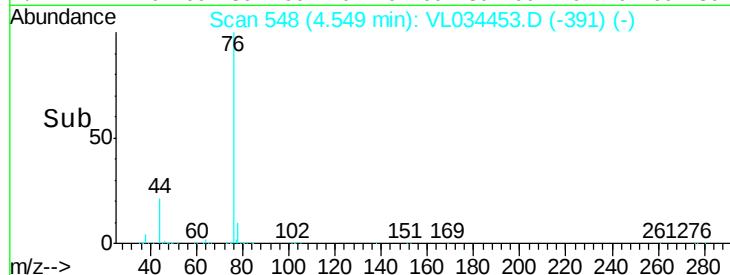
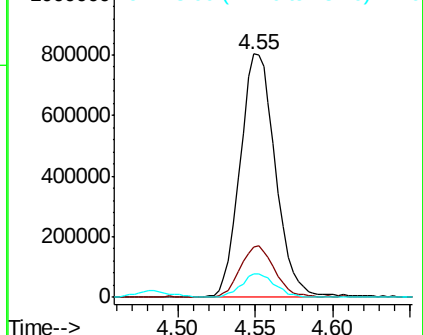
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.593 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.01 min

Lab File: VL034453.D

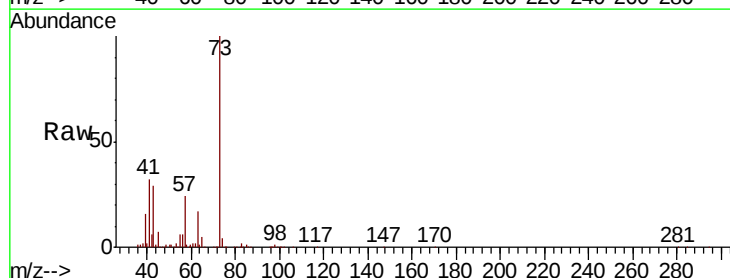
Acq: 3 Dec 2019 10:15

Tgt Ion: 73 Resp: 1673442

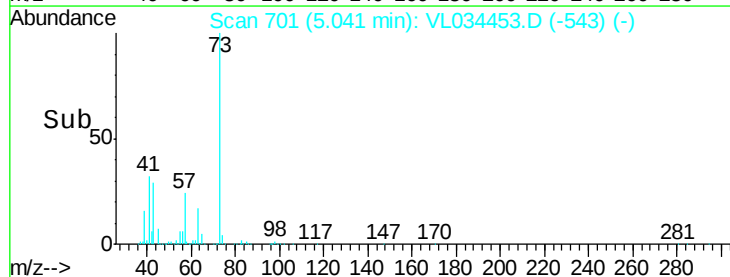
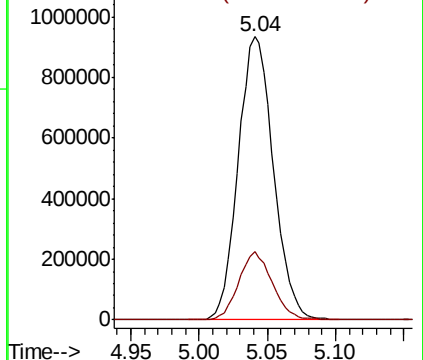
Ion Ratio Lower Upper

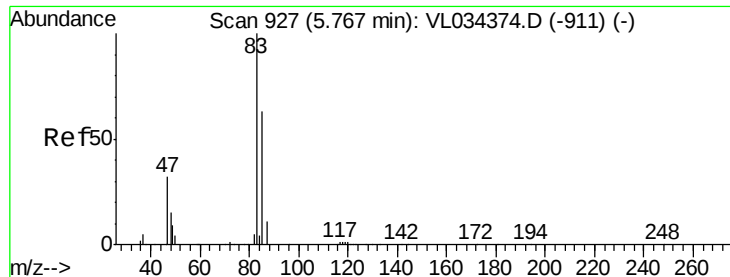
73 100

57 23.2 18.4 27.6



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





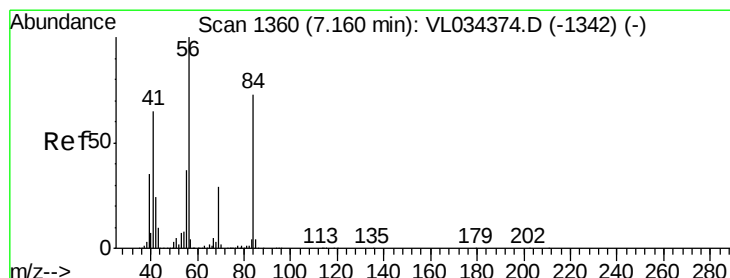
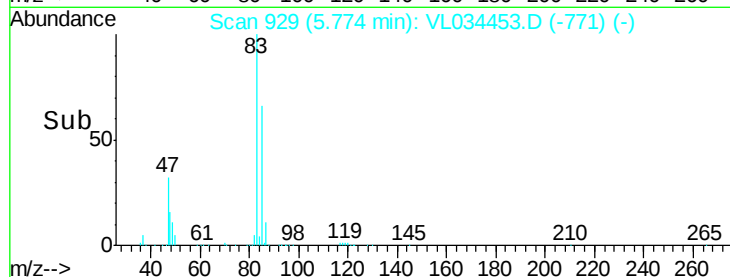
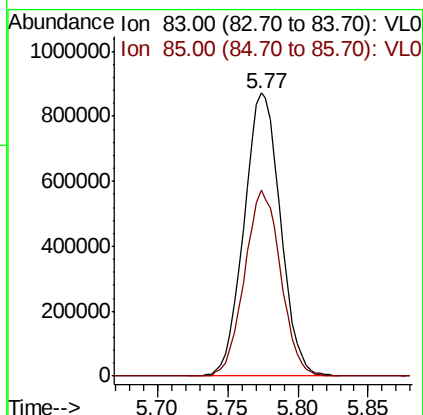
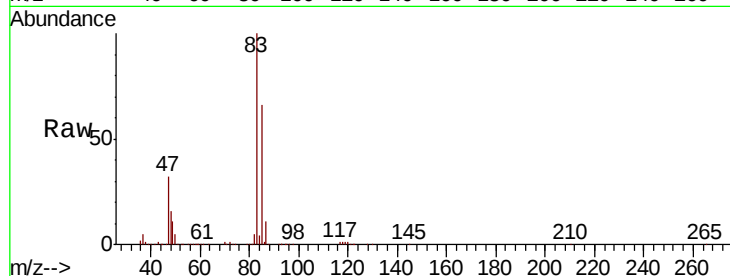
#29
Chloroform
Concen: 9.280 ppbv
RT: 5.77 min Scan# 929
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 1580917
Ion Ratio Lower Upper
83 100
85 65.5 50.4 75.6

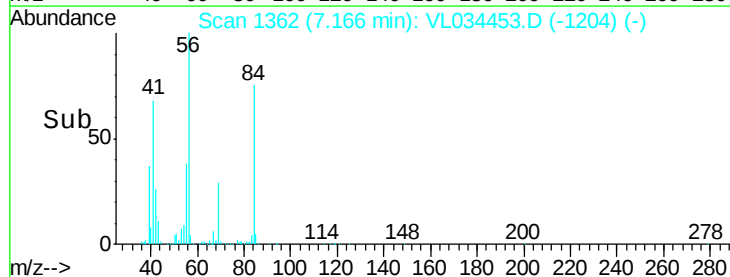
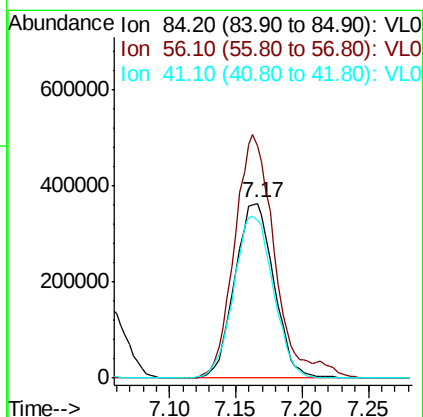
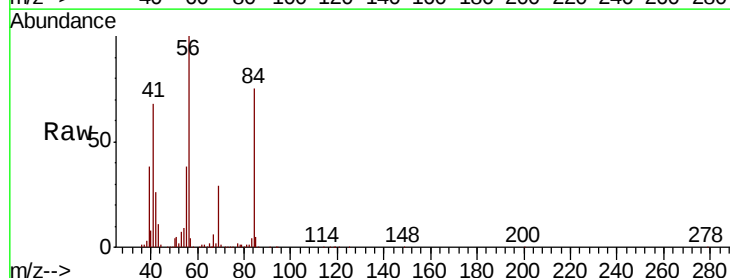
Manual Integrations
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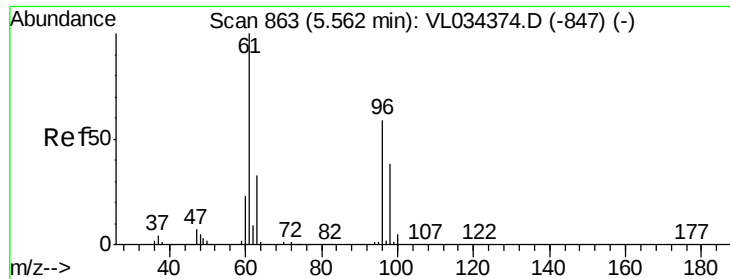
apatel
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#30
Cyclohexane
Concen: 9.377 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 84 Resp: 745812
Ion Ratio Lower Upper
84 100
56 144.0 112.6 169.0
41 94.2 73.4 110.2





#31

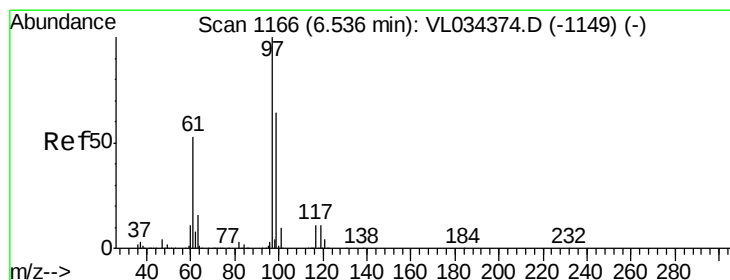
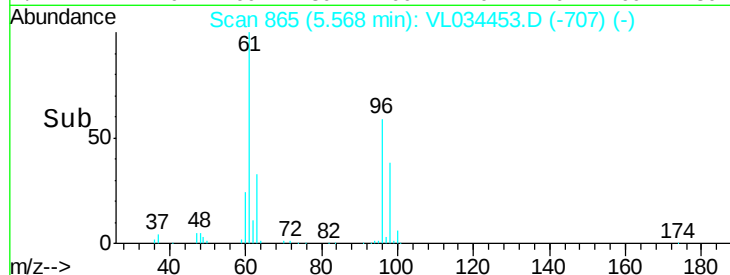
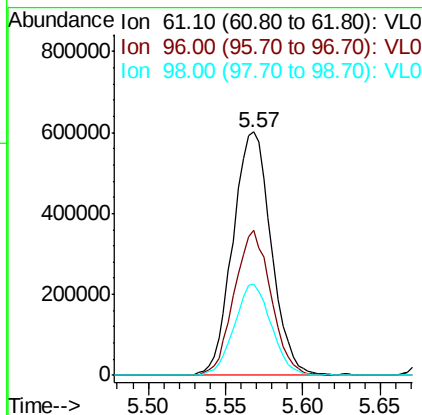
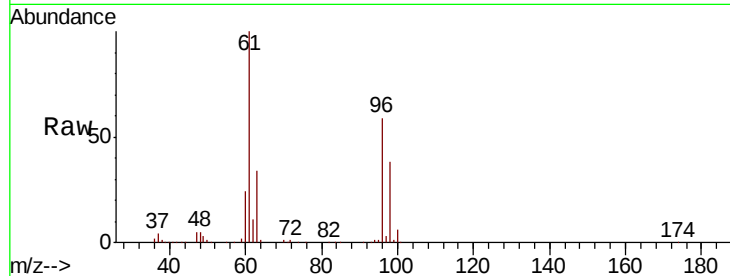
cis-1,2-Dichloroethene
 Concen: 9.482 ppbv
 RT: 5.57 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	59.4	47.4	71.2
98	37.6	30.6	45.8

Manual Integrations
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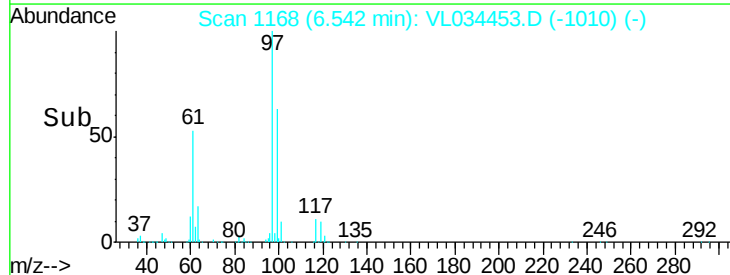
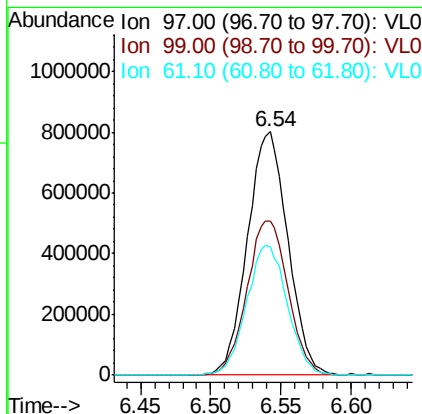
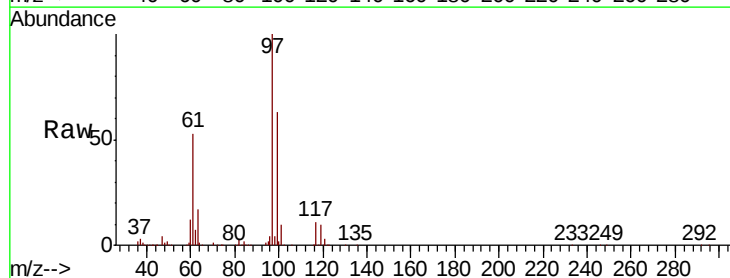
apatel
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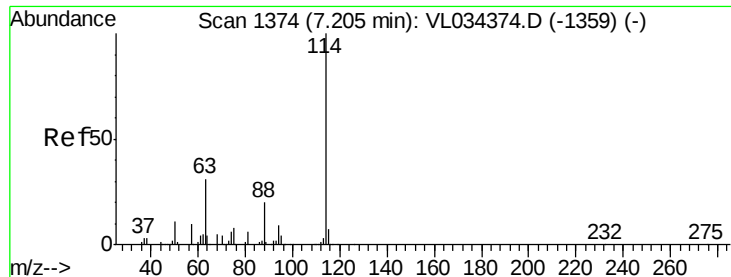


#32

1,1,1-Trichloroethane
 Concen: 10.060 ppbv
 RT: 6.54 min Scan# 1168
 Delta R.T. 0.01 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.3	78.5
61	54.0	43.7	65.5





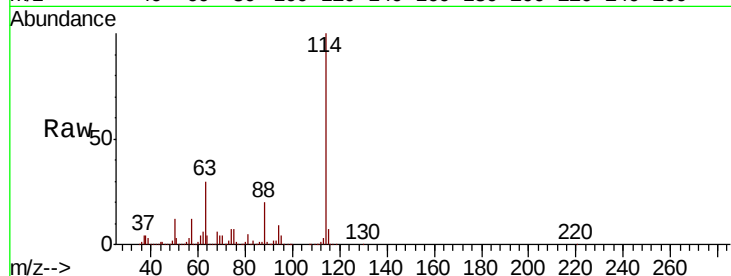
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.4	24.2	36.4
88	19.9	15.9	23.9

Manual Integrations
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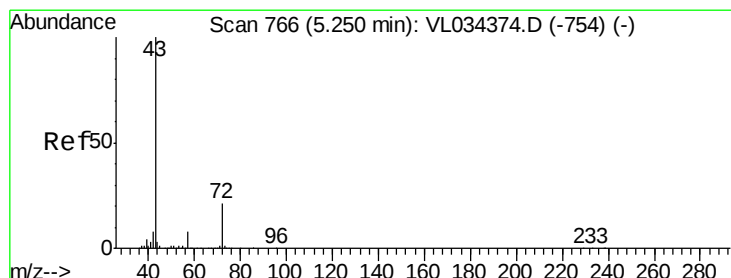
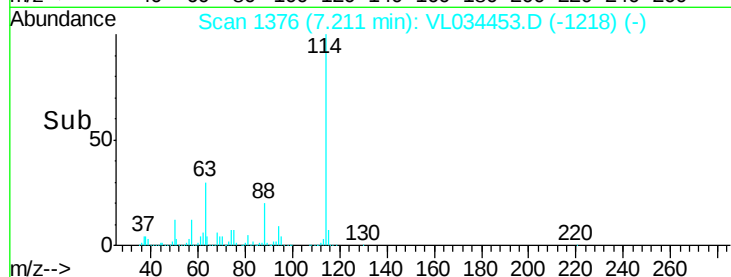
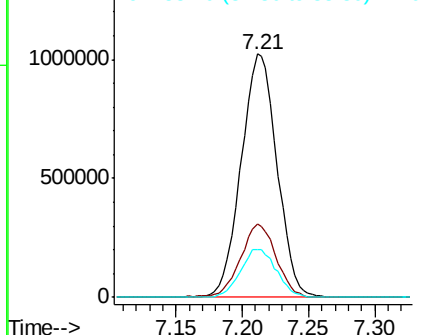
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Abundance Ion 114.10 (113.80 to 114.80): V

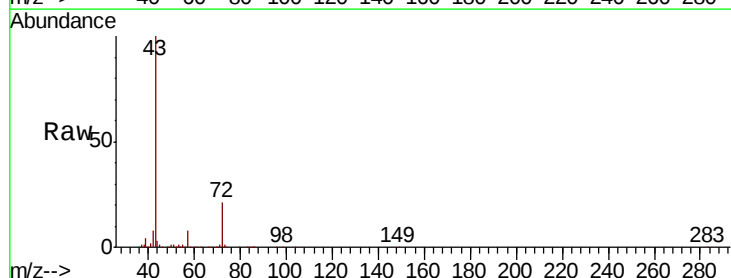
Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



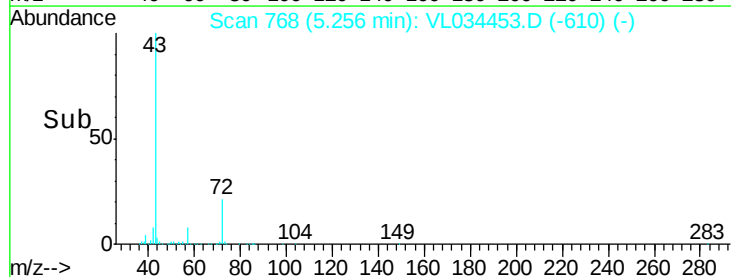
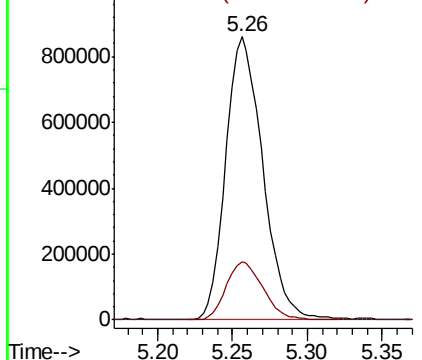
#34
 2-Butanone
 Concen: 9.325 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

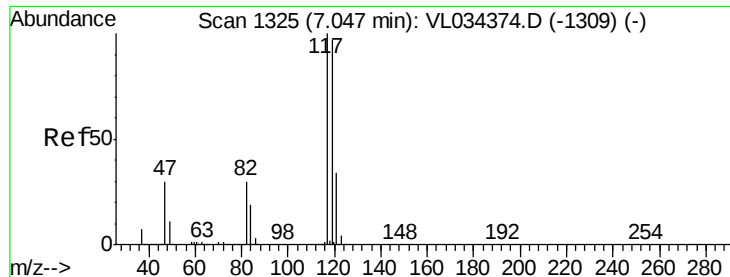
Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.7	17.0	25.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.270 ppbv

RT: 7.05 min Scan# 1327

Delta R.T. 0.01 min

Lab File: VL034453.D

Acq: 3 Dec 2019 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 1698336

Ion Ratio Lower Upper

117 100

119 95.1 77.3 115.9

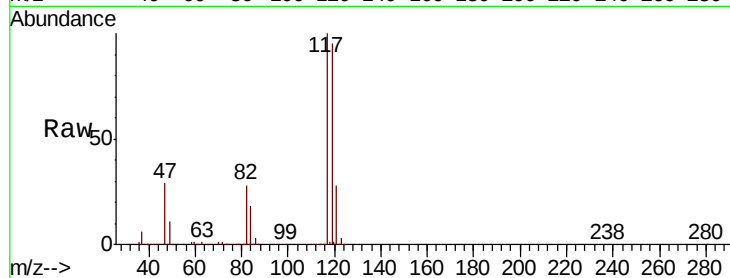
121 28.2 27.4 41.2

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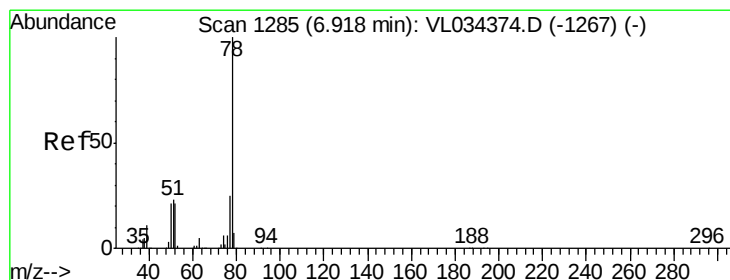
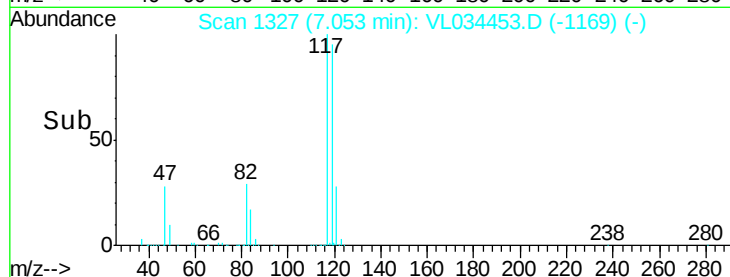
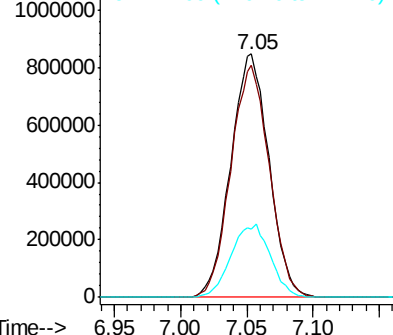
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.386 ppbv

RT: 6.92 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VL034453.D

Acq: 3 Dec 2019 10:15

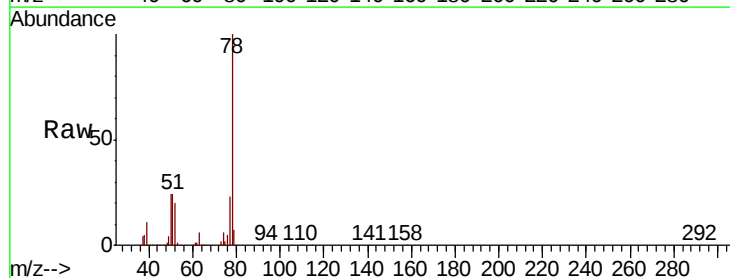
Tgt Ion: 78 Resp: 1804601

Ion Ratio Lower Upper

78 100

77 23.0 20.2 30.4

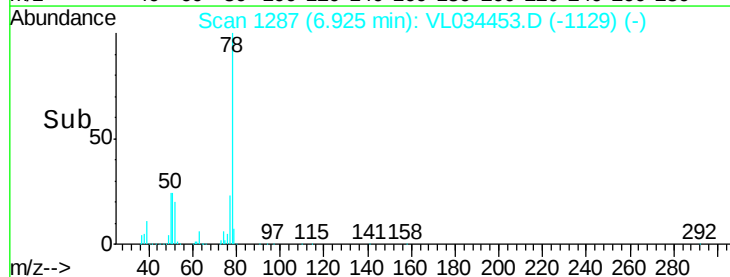
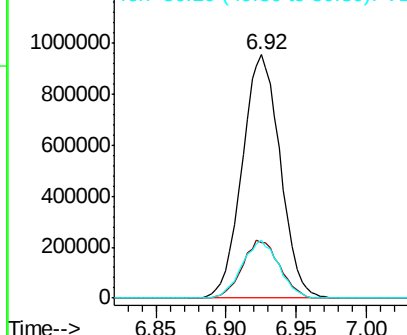
50 23.7 17.1 25.7

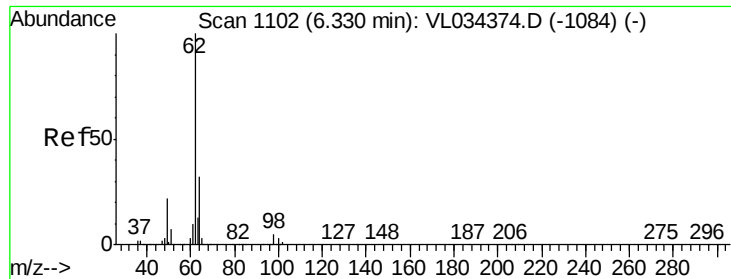


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





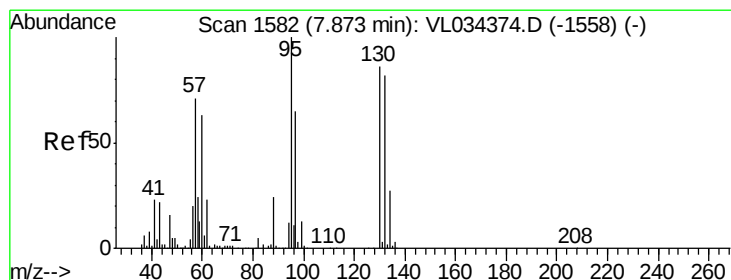
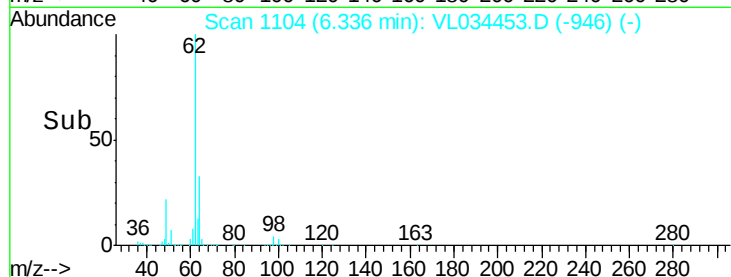
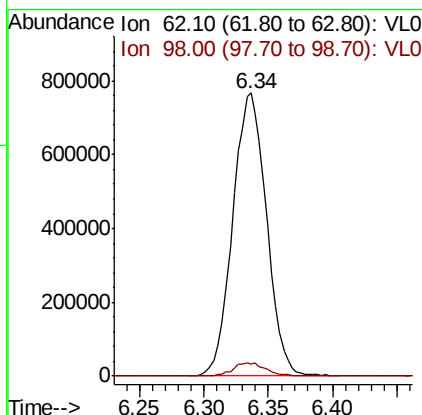
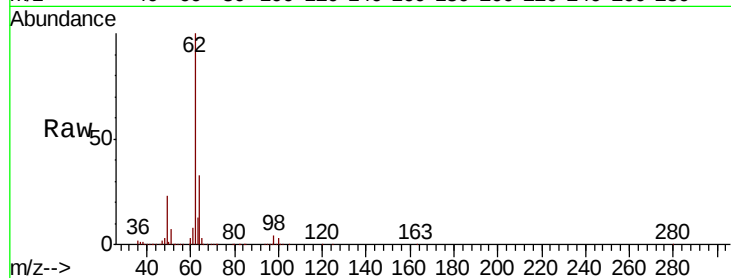
#37
 1,2-Dichloroethane
 Concen: 9.767 ppbv
 RT: 6.34 min Scan# 1104
 Delta R.T. 0.01 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1395055
 Ion Ratio Lower Upper
 62 100
 98 4.6 3.8 5.8

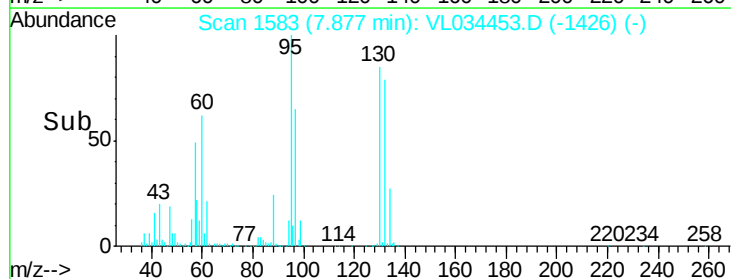
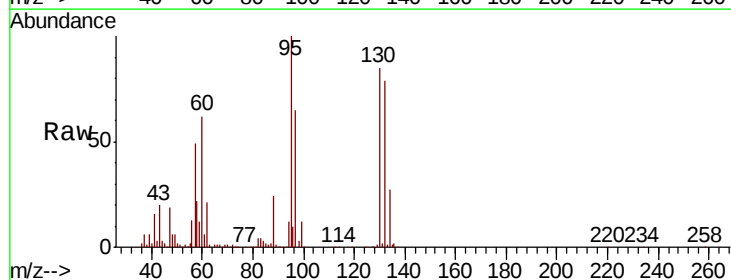
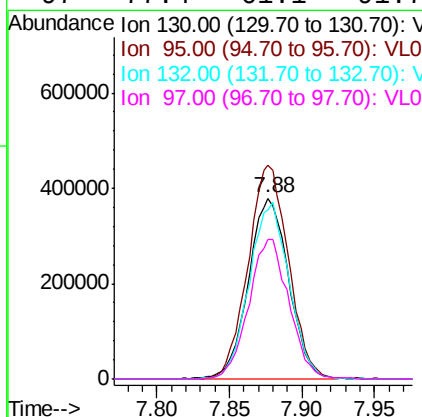
Manual Integrations
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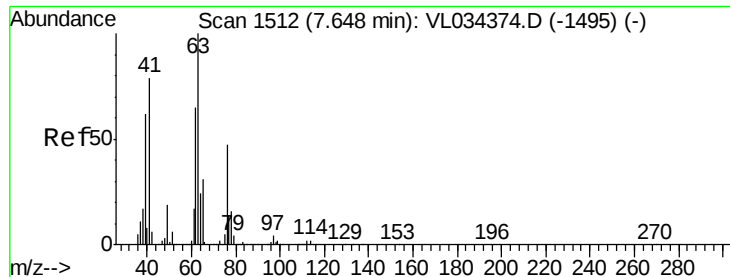
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#38
 Trichloroethene
 Concen: 9.232 ppbv
 RT: 7.88 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Tgt Ion: 130 Resp: 728476
 Ion Ratio Lower Upper
 130 100
 95 118.2 93.4 140.0
 132 93.5 76.4 114.6
 97 77.4 61.1 91.7





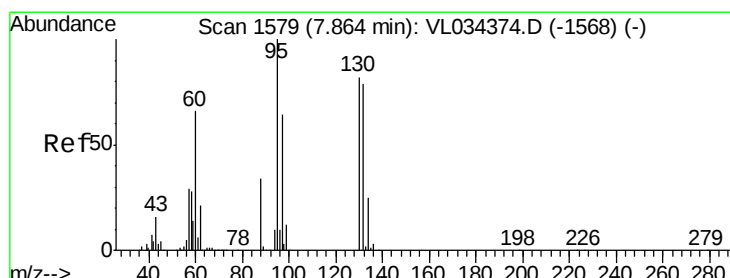
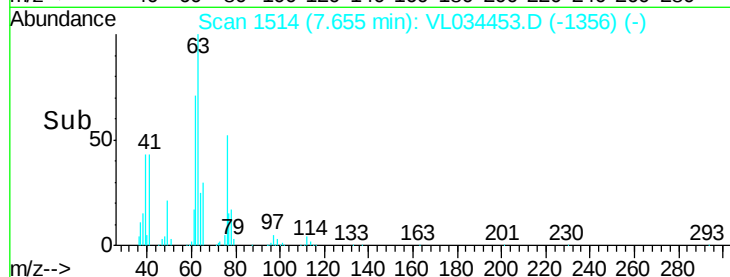
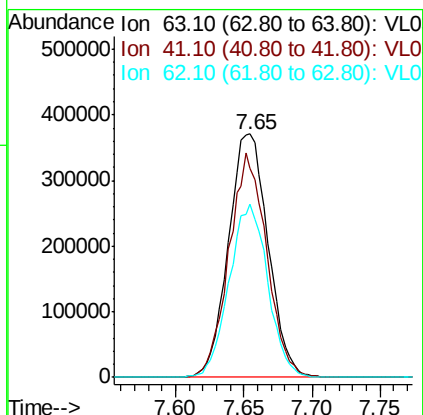
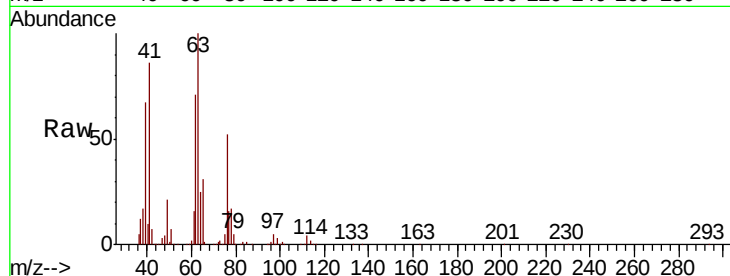
#39
 1,2-Dichloropropane
 Concen: 10.113 ppbv
 RT: 7.65 min Scan# 1514
 Delta R.T. 0.01 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	85.7	63.1	94.7
62	70.7	52.3	78.5

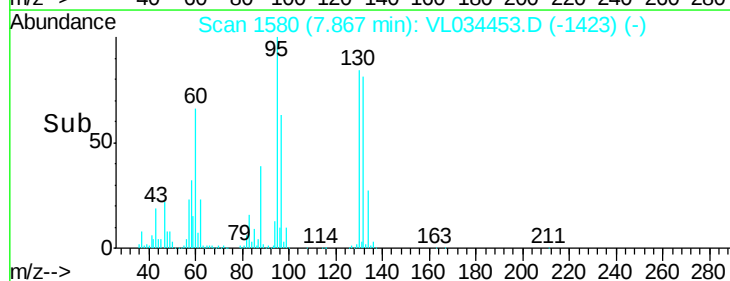
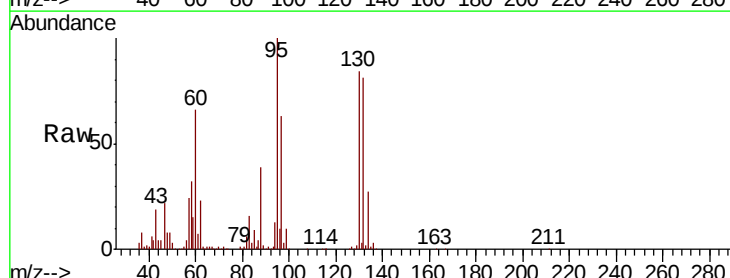
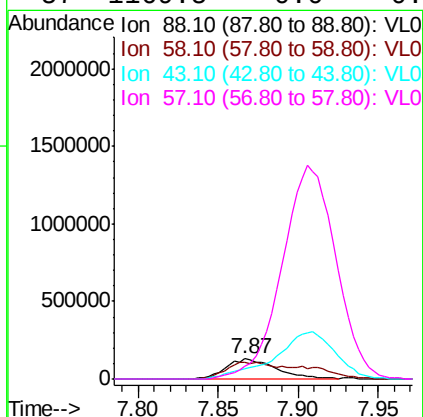
Manual Integrations
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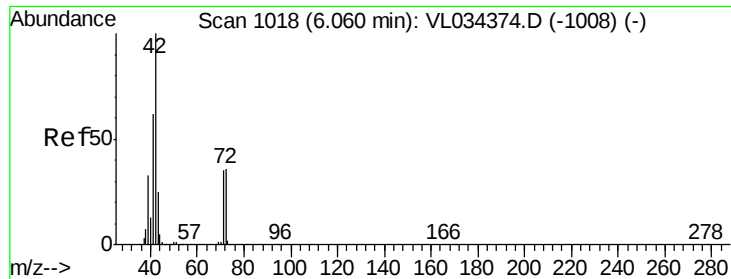
apatel
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#40
 1,4-Dioxane
 Concen: 8.567 ppbv
 RT: 7.87 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Tgt Ion	Ratio	Lower	Upper
88	100		
58	136.8	109.5	164.3
43	287.7	0.0	0.0#
57	1169.5	0.0	0.0#





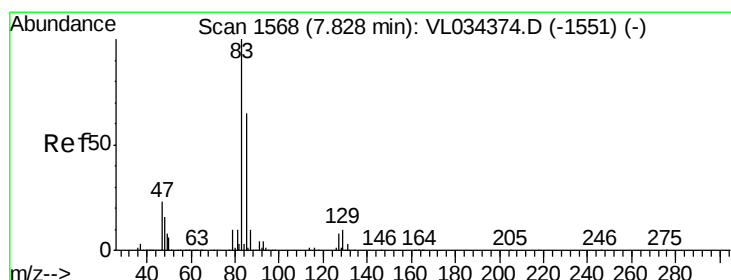
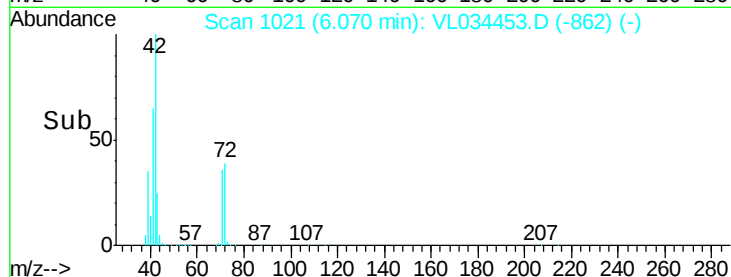
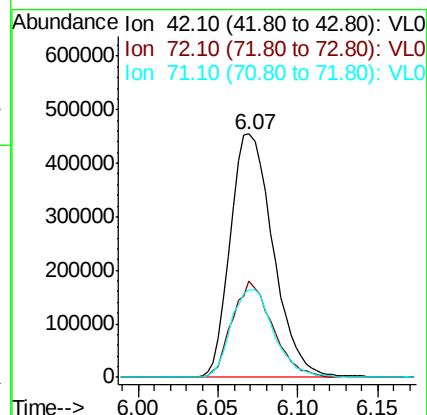
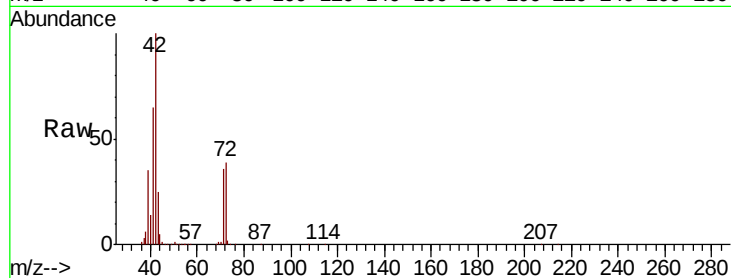
#41
Tetrahydrofuran
Concen: 9.358 ppbv
RT: 6.07 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	30.2	45.4
71	36.1	29.4	44.2

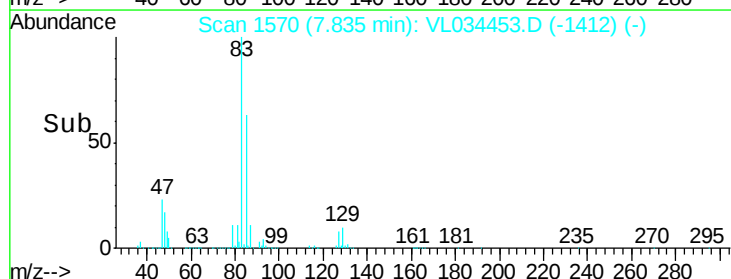
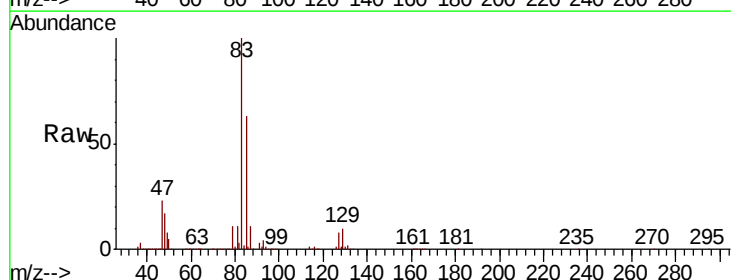
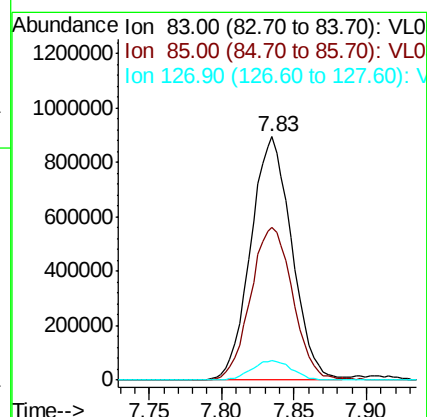
Manual Integrations
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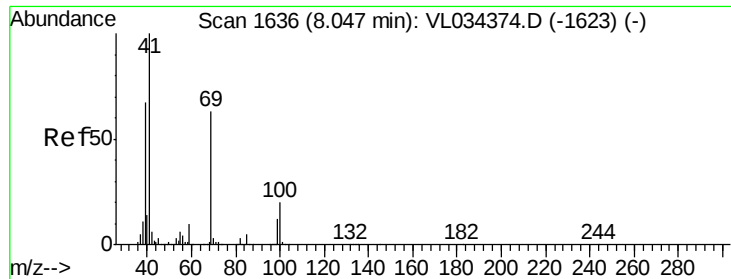
apatel
12/3/2019 5:03:29 PM



#42
Bromodichloromethane
Concen: 9.855 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.3	78.5
127	7.9	6.1	9.1





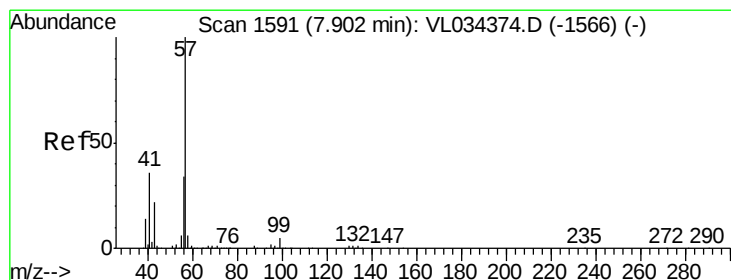
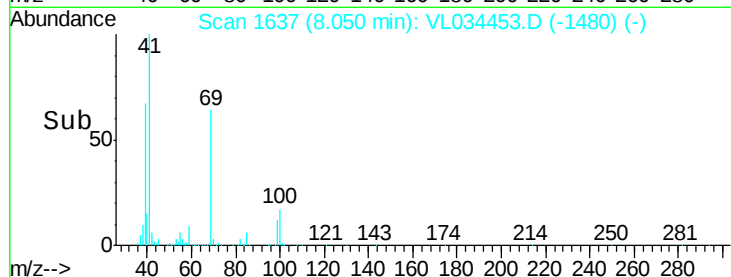
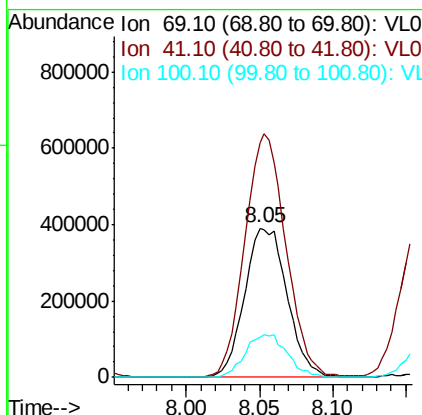
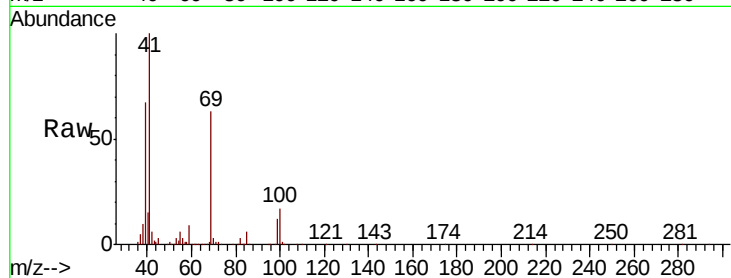
#43
Methvl Methacrilate
Concen: 9.857 ppbv m
RT: 8.05 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	157.7	127.4	191.2	
100	0.0	24.2	36.4	

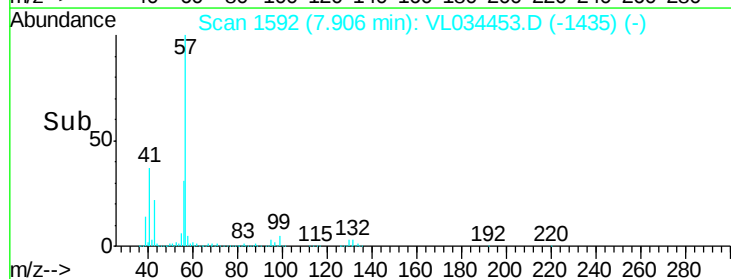
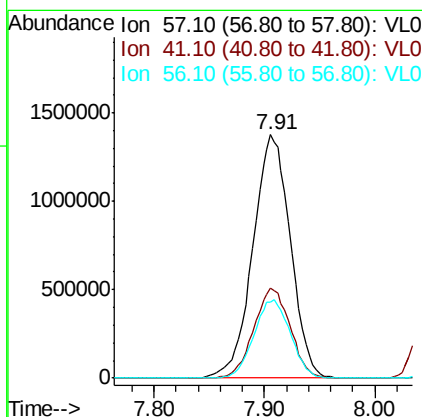
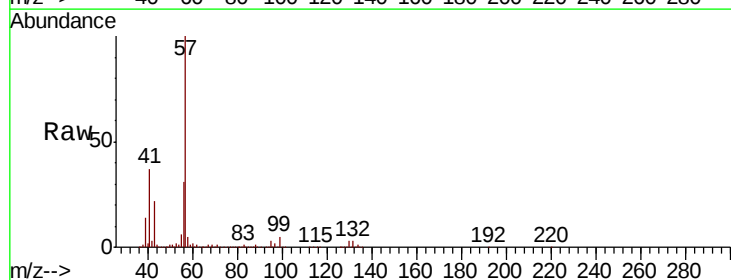
Manual Integrations
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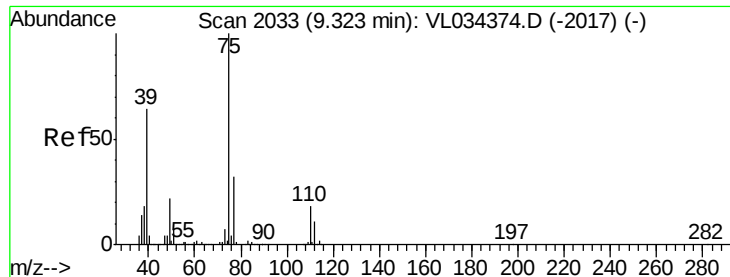
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#44
2,2,4-Trimethylpentane
Concen: 9.214 ppbv
RT: 7.91 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	35.9	28.6	42.8	
56	31.4	25.3	37.9	





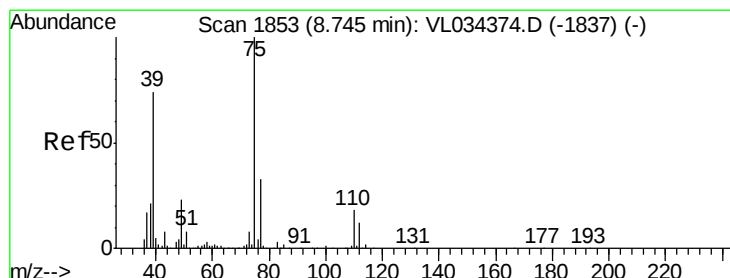
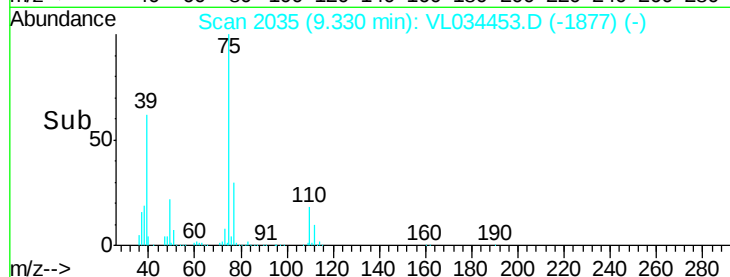
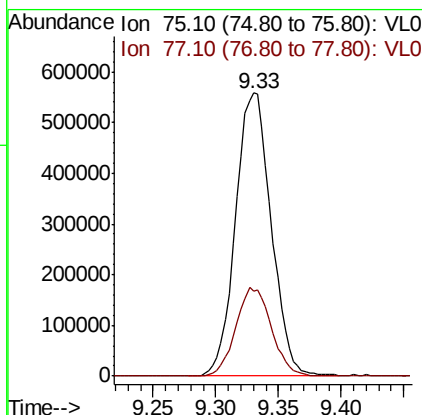
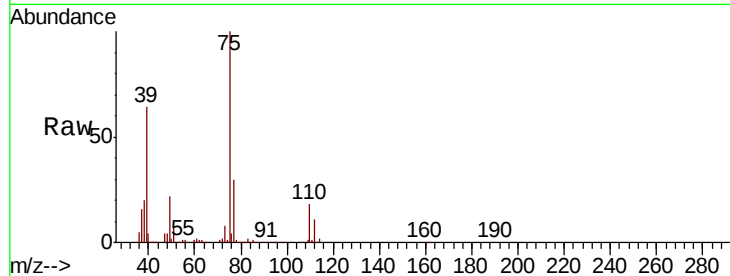
#45
 t-1,3-Dichloropropene
 Concen: 10.800 ppbv
 RT: 9.33 min Scan# 2035
 Delta R.T. 0.01 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 75 Resp: 1104513
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.4 38.2

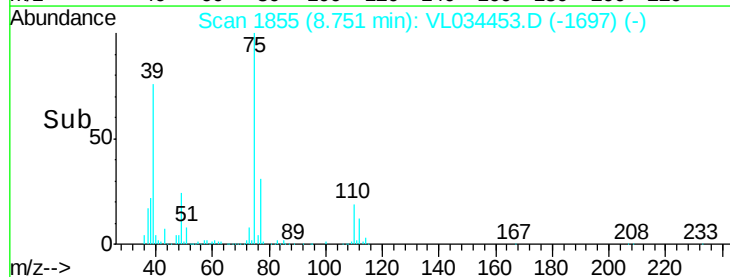
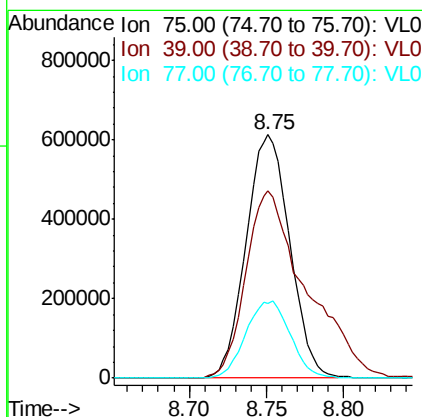
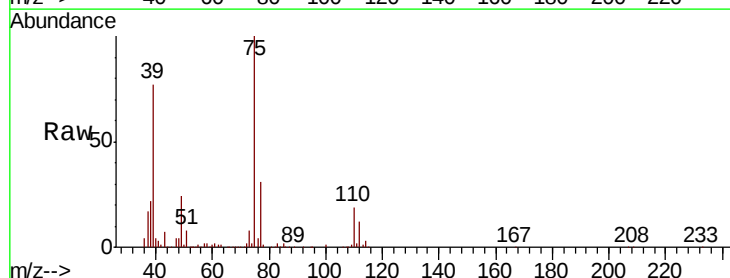
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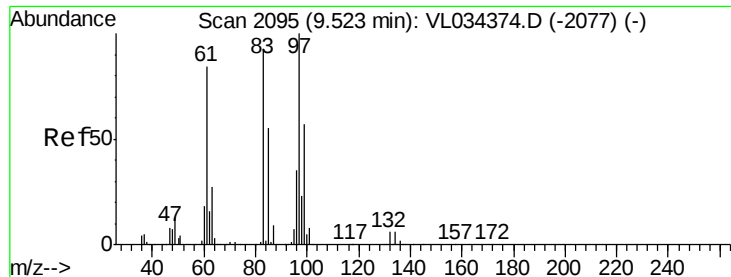
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#46
 cis-1,3-Dichloropropene
 Concen: 10.456 ppbv
 RT: 8.75 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Tgt Ion: 75 Resp: 1201138
 Ion Ratio Lower Upper
 75 100
 39 76.6 59.0 88.6
 77 30.9 26.4 39.6





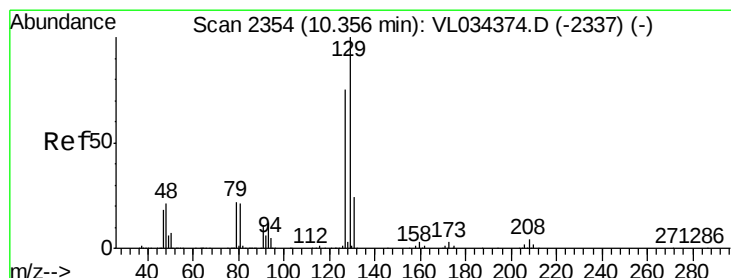
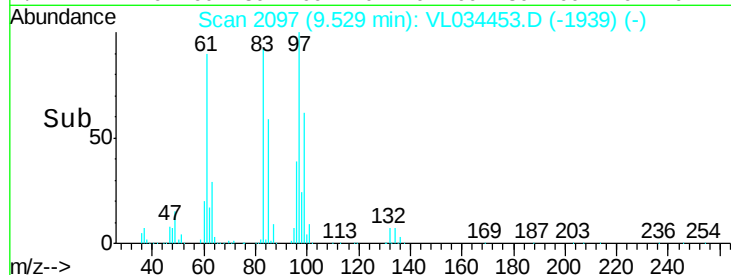
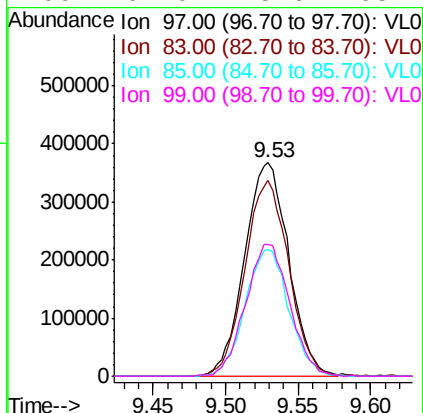
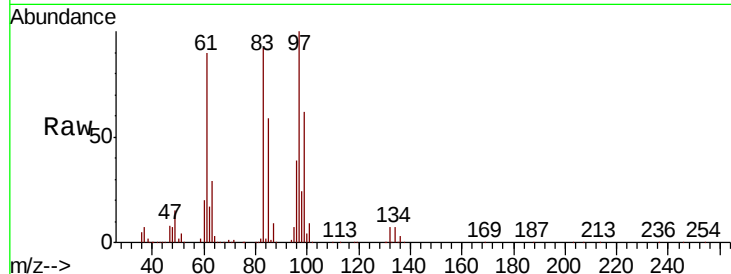
#47
 1,1,2-Trichloroethane
 Concen: 9.475 ppbv
 RT: 9.53 min Scan# 2097
 Delta R.T. 0.01 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:	97	Resp:	780741
Ion Ratio	Lower	Upper	
97	100		
83	91.6	74.6	112.0
85	59.3	43.8	65.8
99	62.0	45.6	68.4

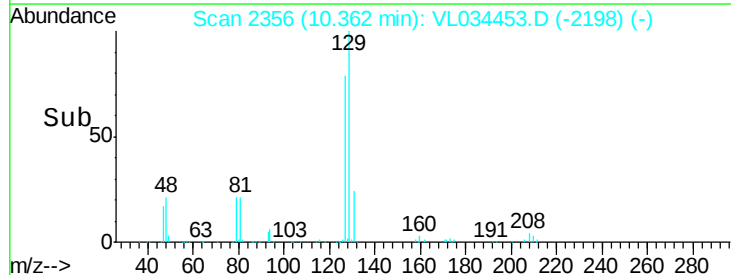
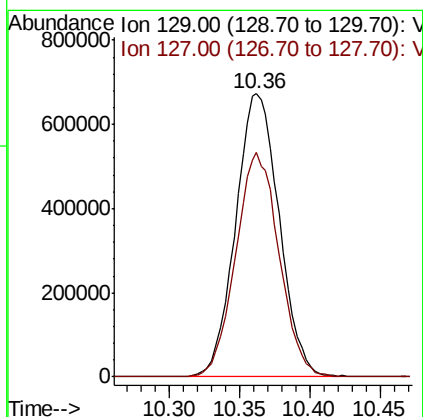
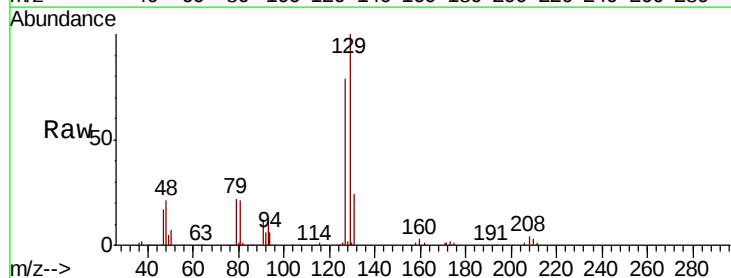
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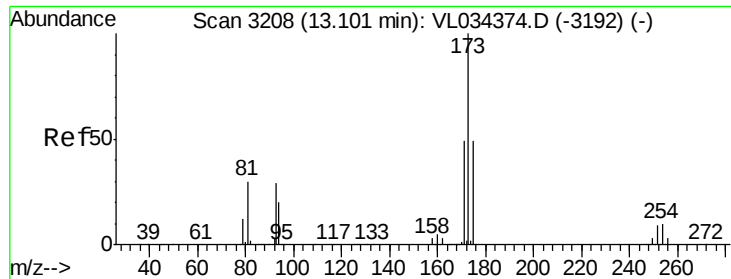
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#48
 Dibromochloromethane
 Concen: 10.276 ppbv
 RT: 10.36 min Scan# 2356
 Delta R.T. 0.01 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Tgt Ion:	129	Resp:	1453783
Ion Ratio	Lower	Upper	
129	100		
127	79.0	39.1	117.5





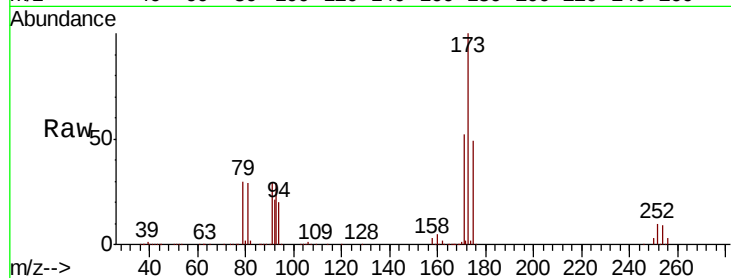
#49
Bromoform
Concen: 10.495 ppbv
RT: 13.11 min Scan# 3211
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

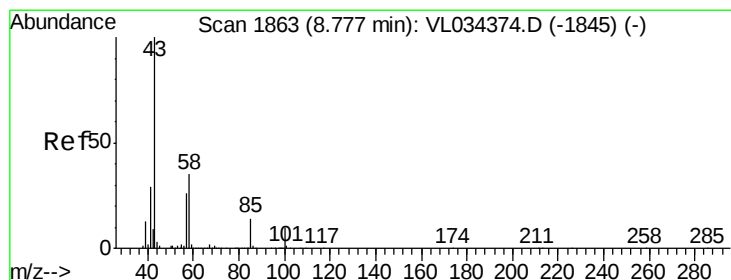
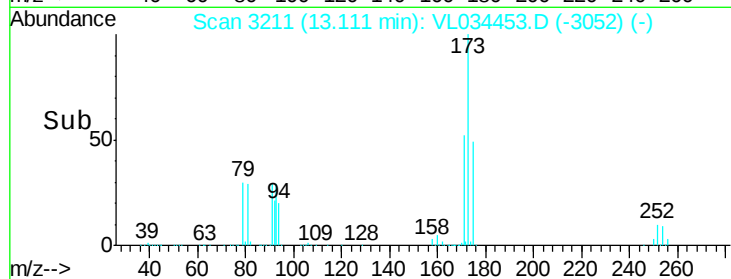
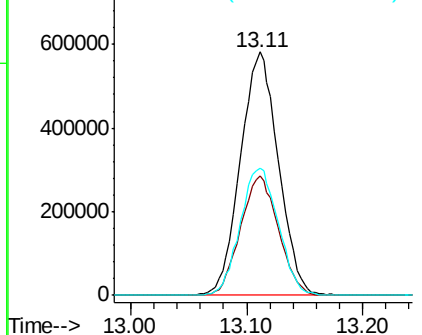
Tot Ion:173 Resp: 1325514
Ion Ratio Lower Upper
173 100
175 49.1 39.3 58.9
171 52.6 42.4 63.6

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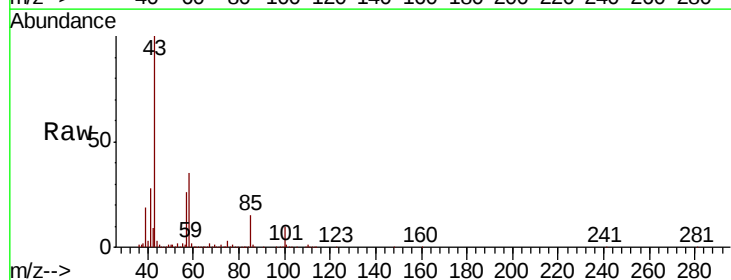


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

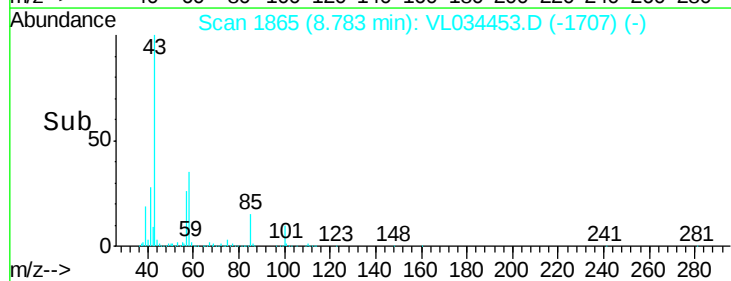
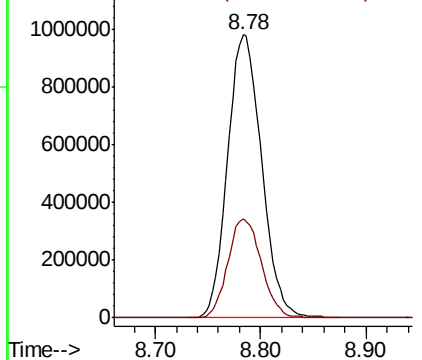


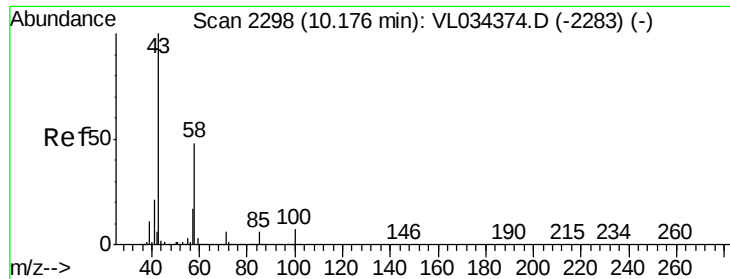
#50
4-Methyl-2-Pentanone
Concen: 9.575 ppbv
RT: 8.78 min Scan# 1865
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 43 Resp: 2193272
Ion Ratio Lower Upper
43 100
58 34.6 27.9 41.9



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





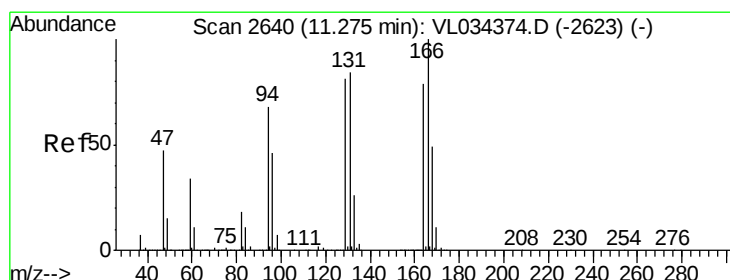
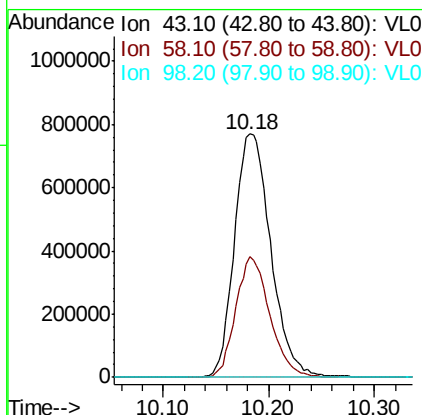
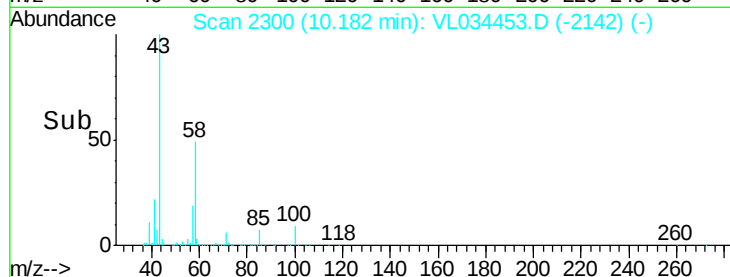
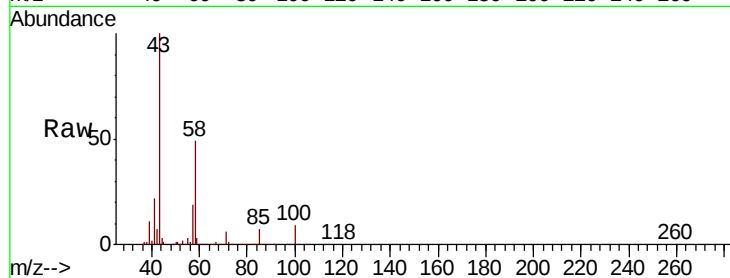
#51
2-Hexanone
Concen: 9.597 ppbv
RT: 10.18 min Scan# 2300
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1841402
Ion Ratio Lower Upper
43 100
58 46.7 38.2 57.4
98 0.3 0.2 0.2#

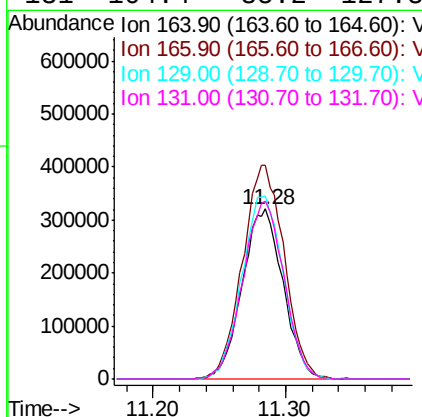
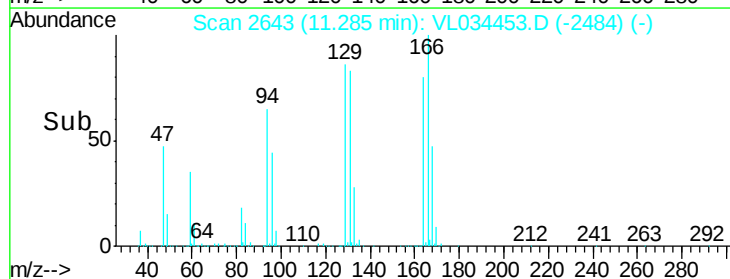
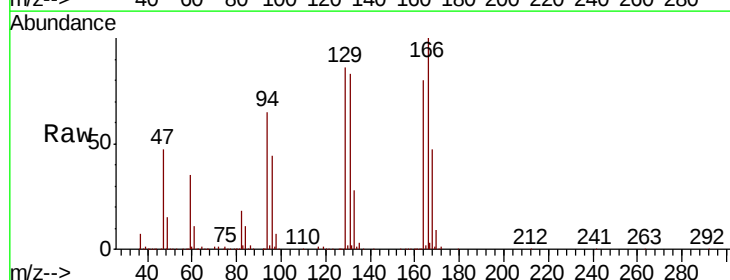
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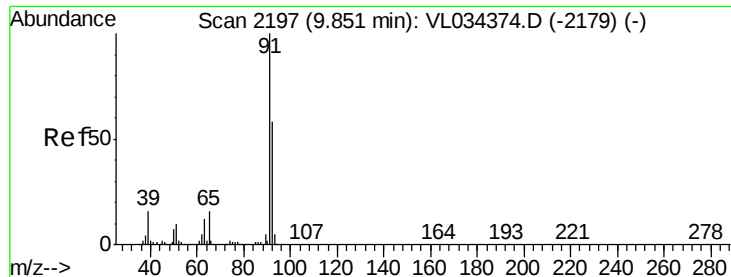
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#52
Tetrachloroethene
Concen: 8.258 ppbv
RT: 11.28 min Scan# 2643
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 164 Resp: 686981
Ion Ratio Lower Upper
164 100
166 125.6 101.7 152.5
129 107.4 82.6 123.8
131 104.4 85.2 127.8





#53

Toluene

Concen: 9.605 ppbv

RT: 9.86 min Scan# 2199

Delta R.T. 0.01 min

Lab File: VL034453.D

Acq: 3 Dec 2019 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2097652

Ion Ratio Lower Upper

91 100

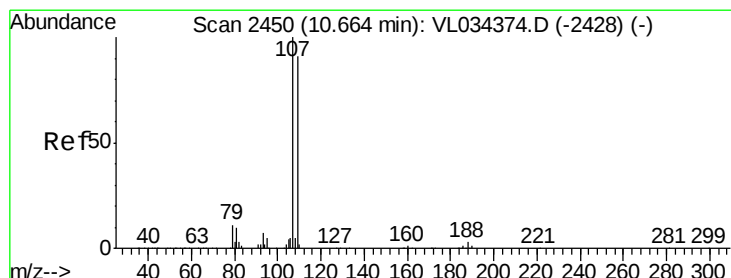
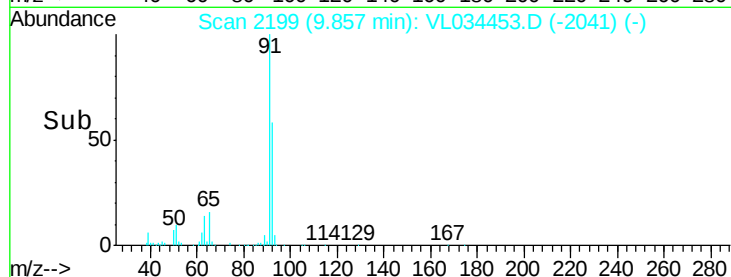
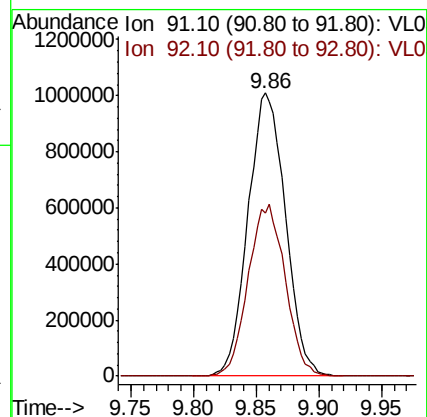
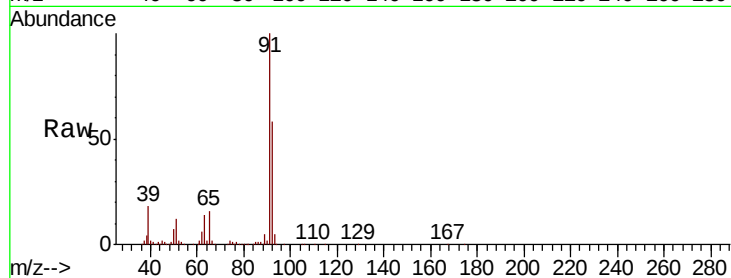
92 60.0 47.9 71.9

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#54

1,2-Dibromoethane

Concen: 9.356 ppbv

RT: 10.67 min Scan# 2452

Delta R.T. 0.01 min

Lab File: VL034453.D

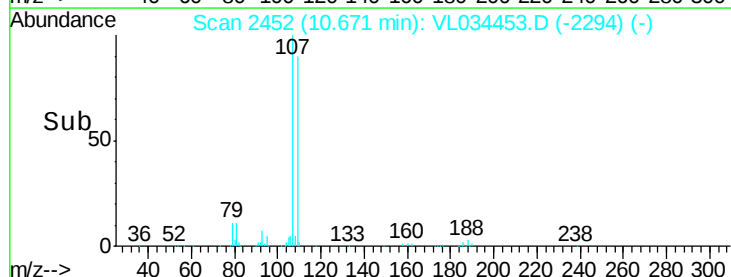
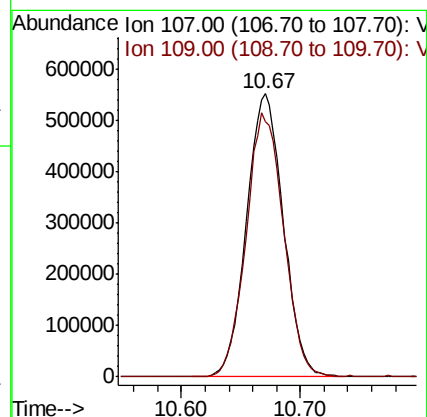
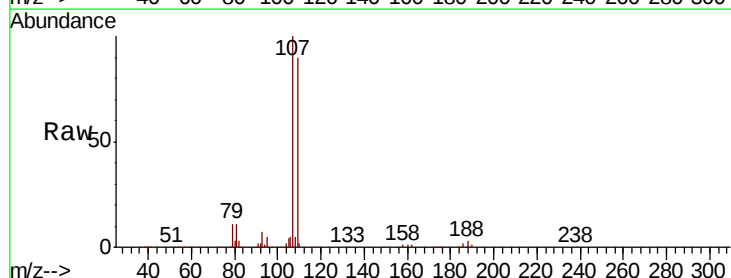
Acq: 3 Dec 2019 10:15

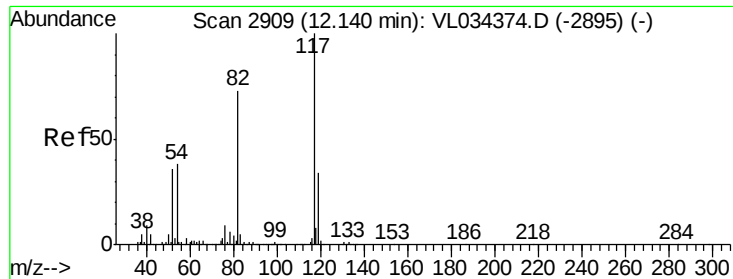
Tgt Ion: 107 Resp: 1181946

Ion Ratio Lower Upper

107 100

109 90.1 73.0 109.4





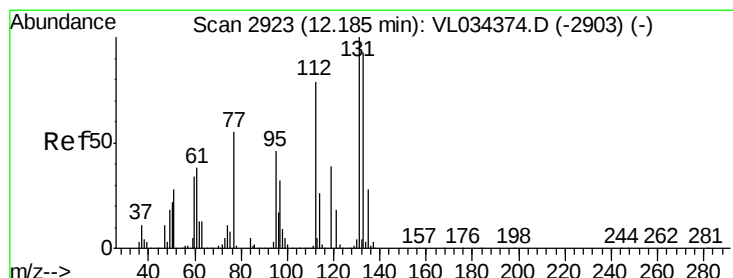
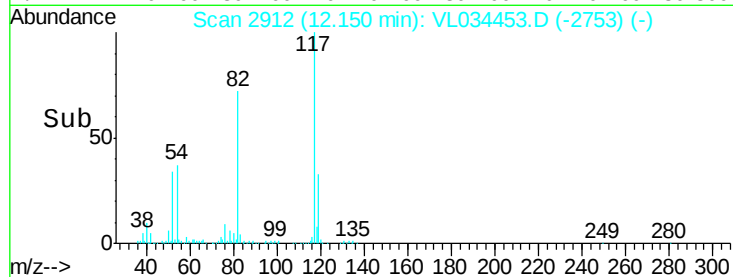
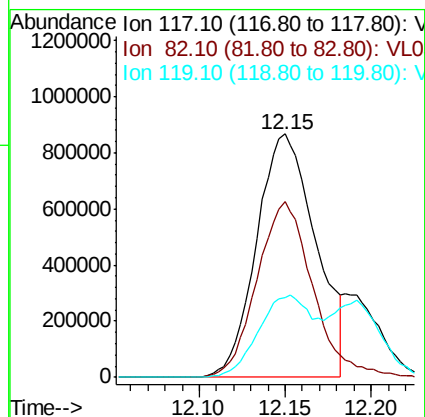
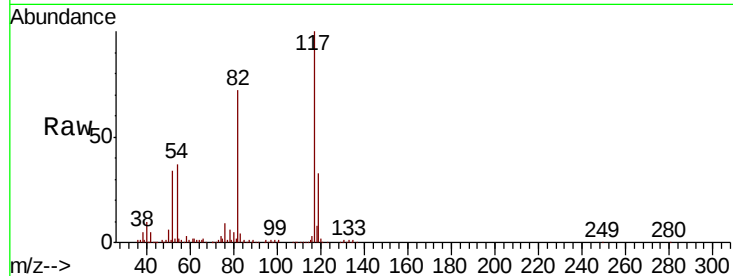
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.5	57.5	86.3
119	32.3	25.4	38.2

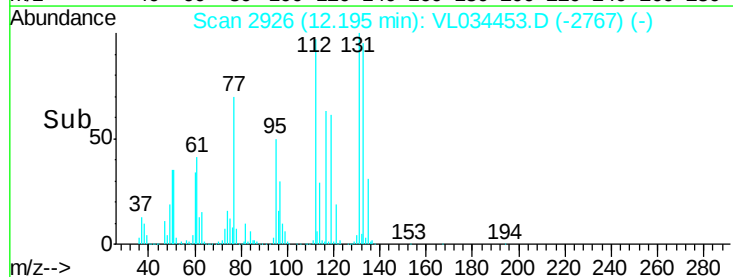
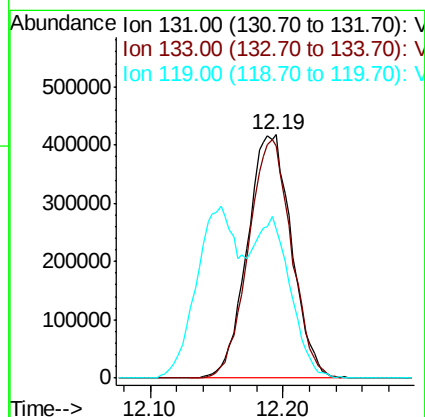
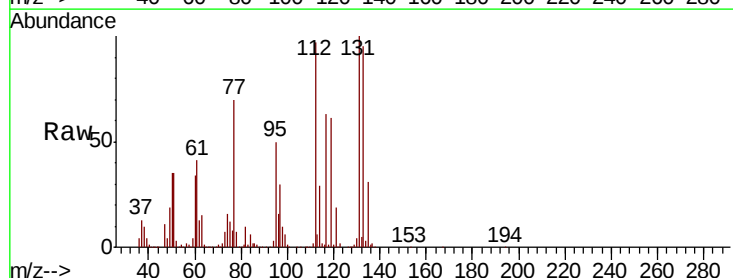
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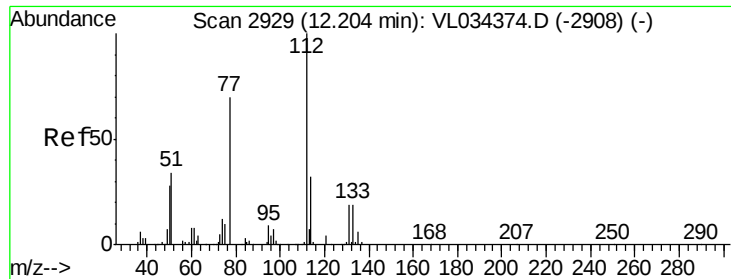
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.575 ppbv
RT: 12.19 min Scan# 2926
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	76.2	114.2
119	63.5	44.6	67.0





#57

Chlorobenzene

Concen: 8.713 ppbv

RT: 12.21 min Scan# 2931

Delta R.T. 0.01 min

Lab File: VL034453.D

Acq: 3 Dec 2019 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 112 Resp: 1630432

Ion Ratio Lower Upper

112 100

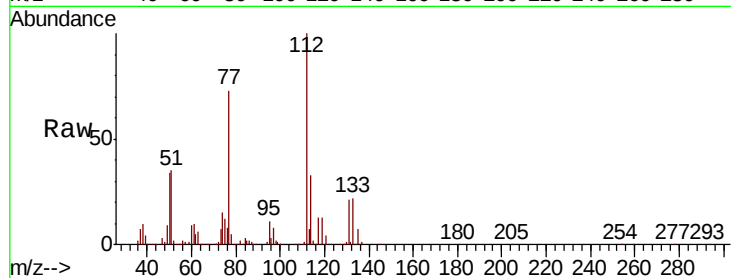
77 72.9 57.1 85.7

114 32.9 28.5 34.9

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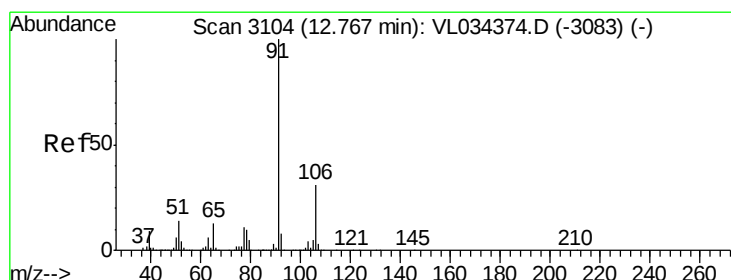
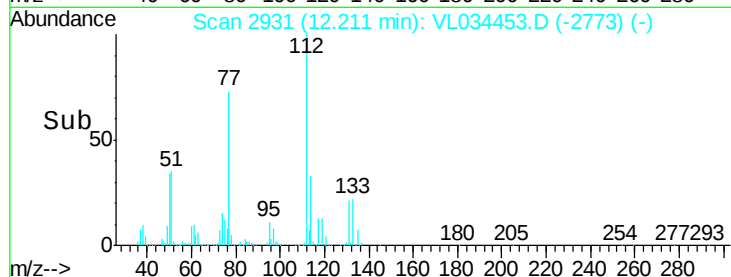
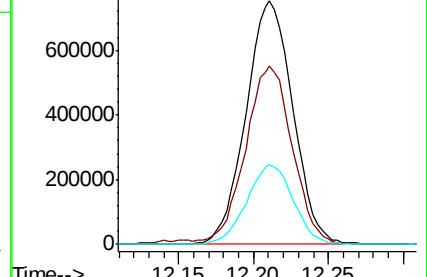
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.091 ppbv

RT: 12.77 min Scan# 3106

Delta R.T. 0.01 min

Lab File: VL034453.D

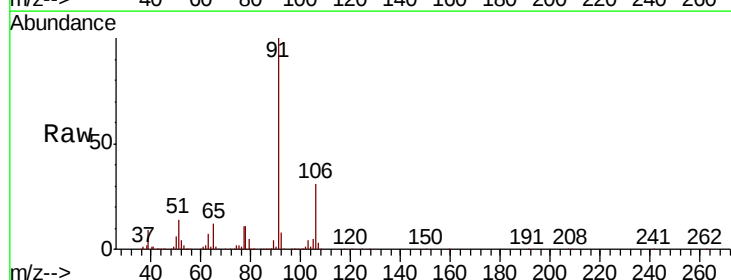
Acq: 3 Dec 2019 10:15

Tgt Ion: 91 Resp: 2920388

Ion Ratio Lower Upper

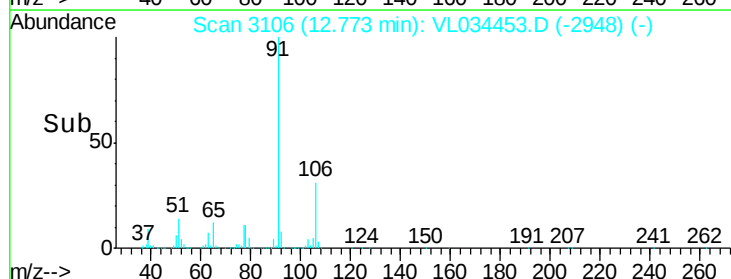
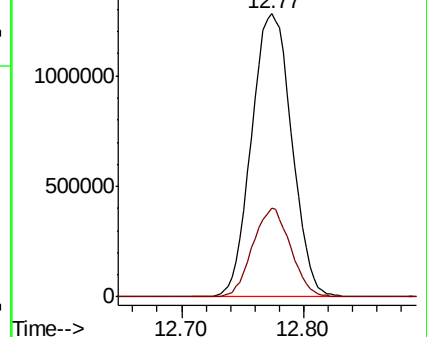
91 100

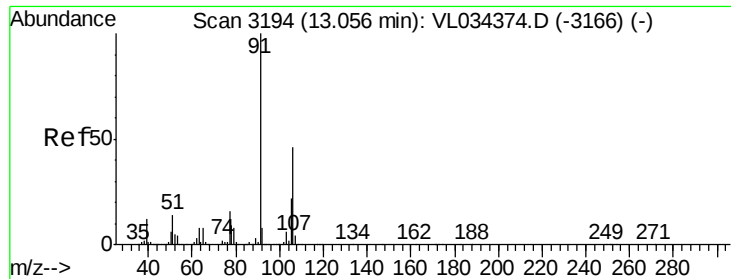
106 31.2 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





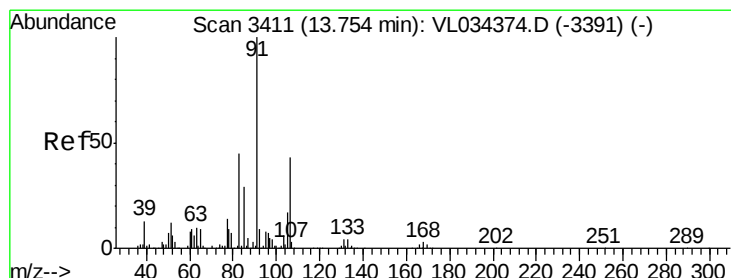
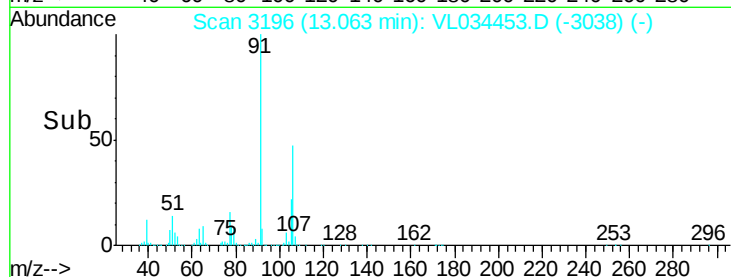
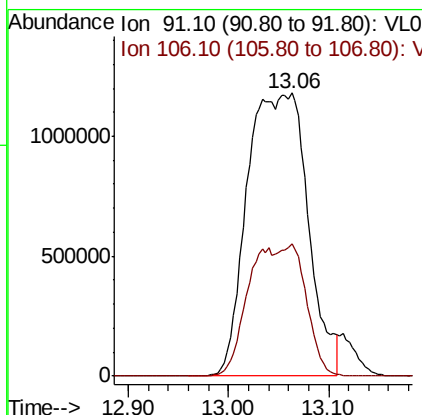
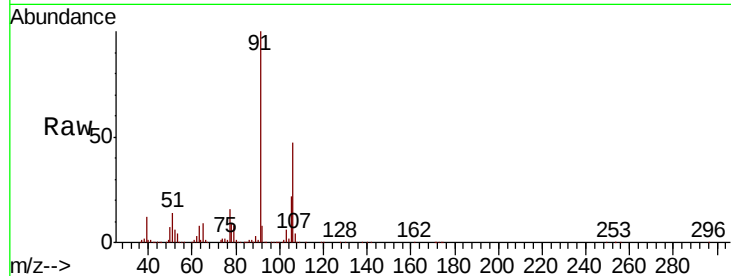
#59
m/p-Xylene
Concen: 17.800 ppbv m
RT: 13.06 min Scan# 3196
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampled :
VSTDCCC010

Tot Ion: 91 Resp: 4942624
Ion Ratio Lower Upper
91 100
106 43.5 34.6 51.8

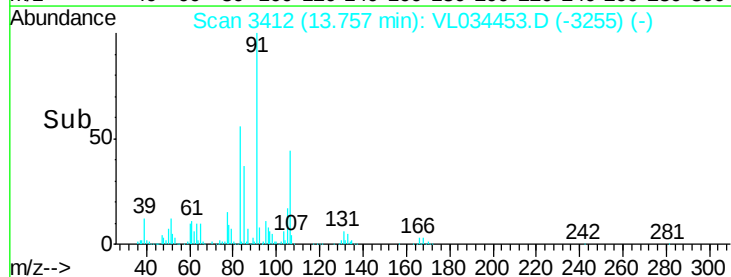
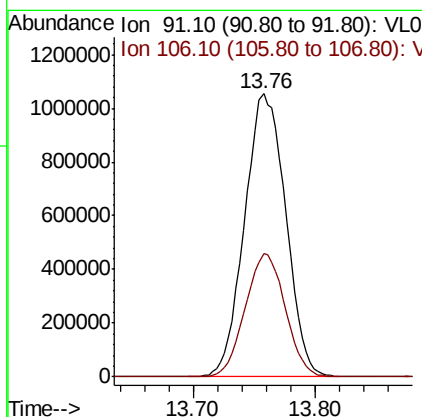
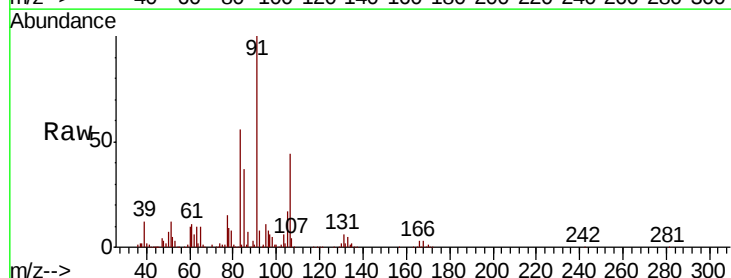
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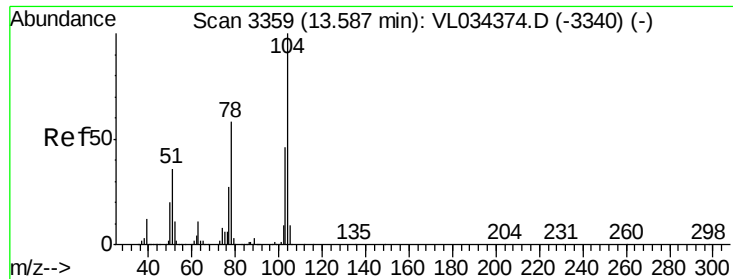
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#60
o-Xylene
Concen: 8.952 ppbv
RT: 13.76 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 91 Resp: 2457779
Ion Ratio Lower Upper
91 100
106 42.4 21.3 64.0





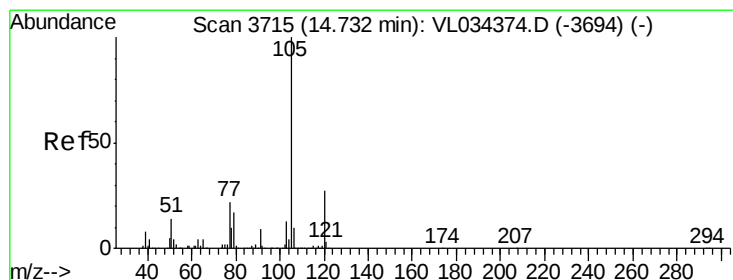
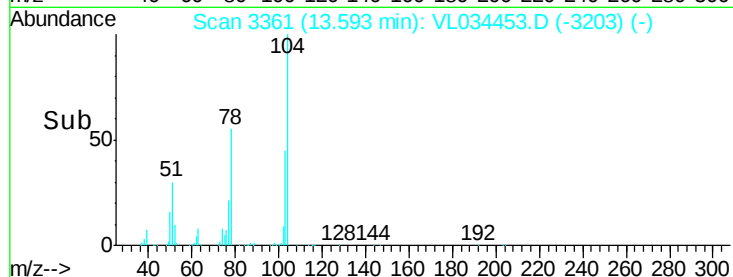
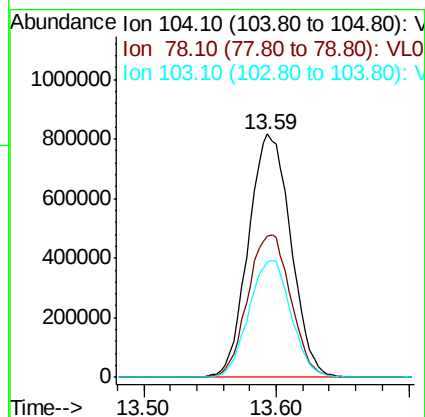
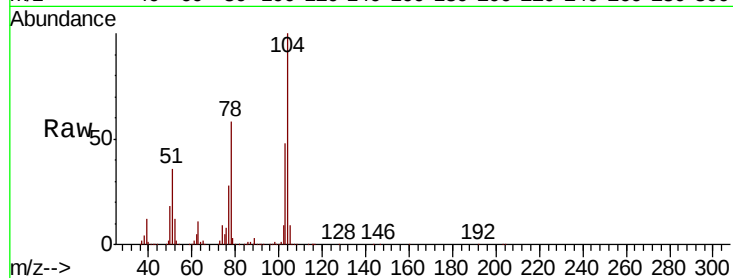
#61
Stvrene
Concen: 9.161 ppbv
RT: 13.59 min Scan# 3361
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	59.5	47.6	71.4
103	48.0	38.6	57.8

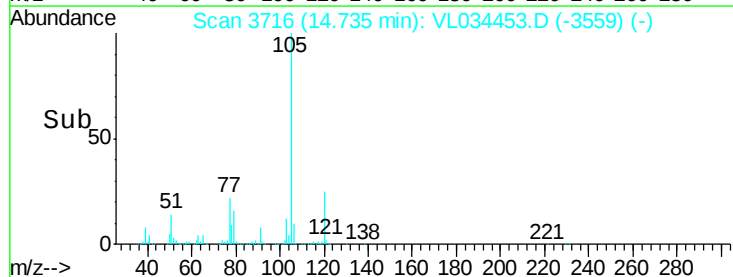
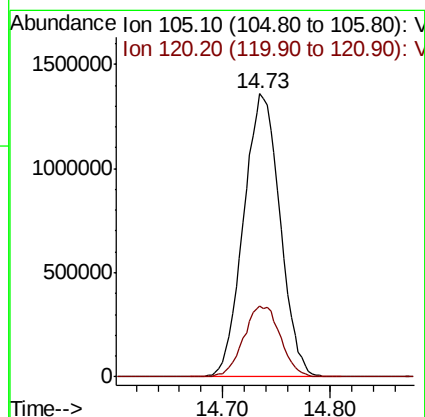
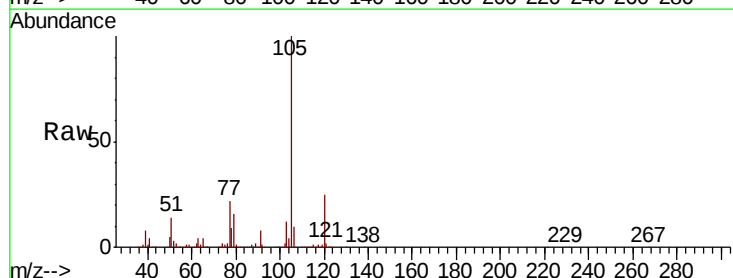
Manual Integrations
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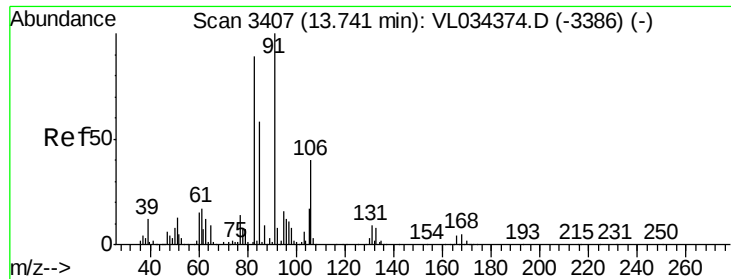
apatel
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#62
Isopropylbenzene
Concen: 8.792 ppbv
RT: 14.73 min Scan# 3716
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.2	30.4





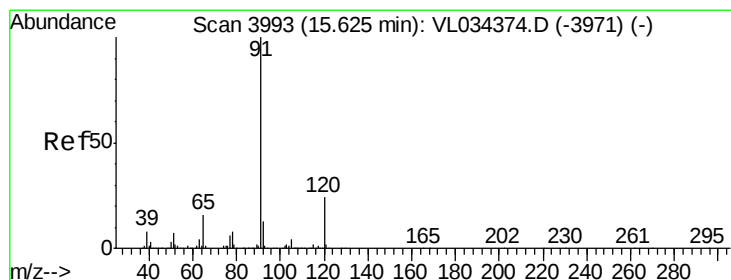
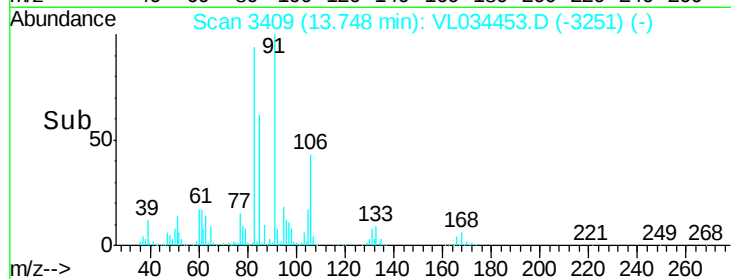
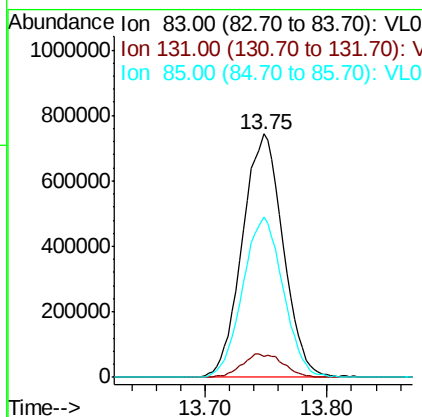
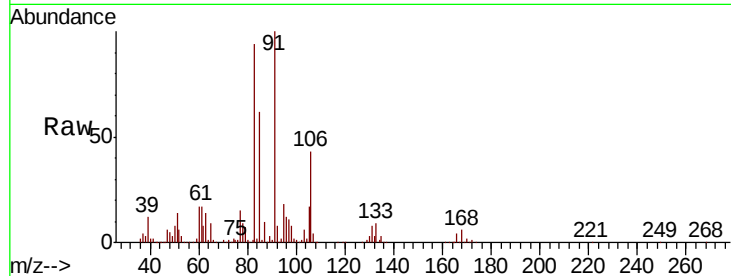
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.318 ppbv
 RT: 13.75 min Scan# 3409
 Delta R.T. 0.01 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	83	Resp	1716591
Ion Ratio	100	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	65.4	32.6	97.8

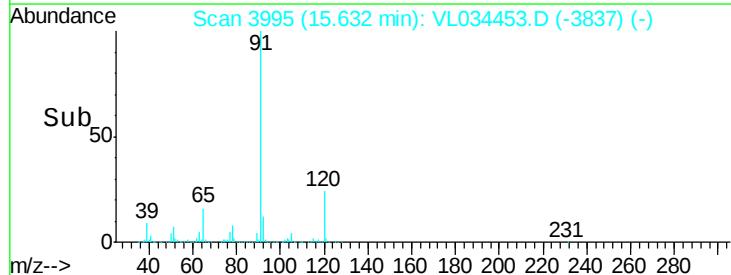
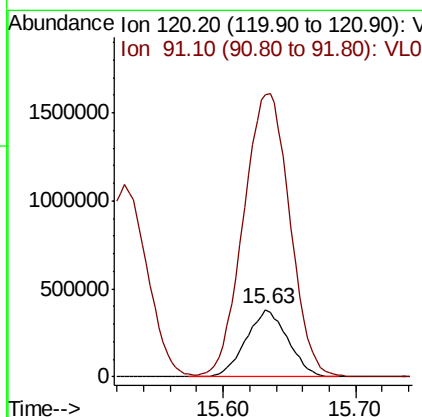
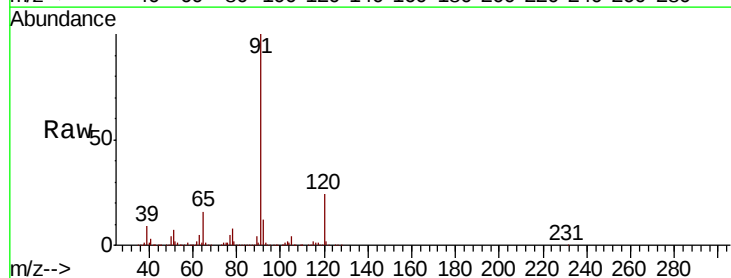
Manual Integrations
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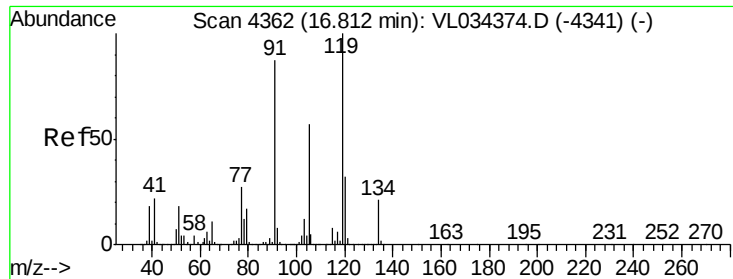
apatel
 12/3/2019 5:03:29 PM



#64
 n-propylbenzene
 Concen: 8.892 ppbv
 RT: 15.63 min Scan# 3995
 Delta R.T. 0.01 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Tgt Ion	120	Resp	838478
Ion Ratio	100	Lower	Upper
120	100		
91	467.7	370.9	556.3





#65

tert-Butylbenzene

Concen: 8.682 ppbv

RT: 16.82 min Scan# 4364

Delta R.T. 0.01 min

Lab File: VL034453.D

Acq: 3 Dec 2019 10:15

Instrument :

MSVOA_L

ClientSampleId :

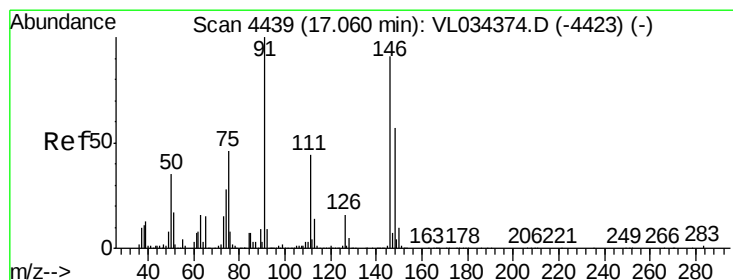
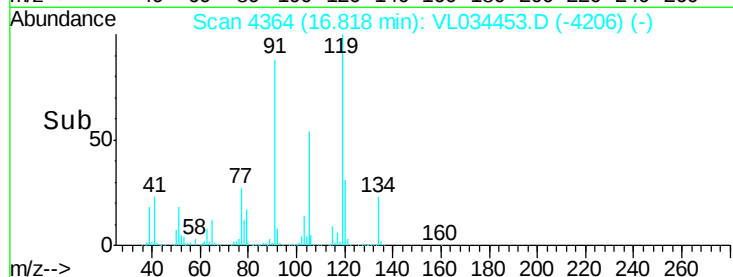
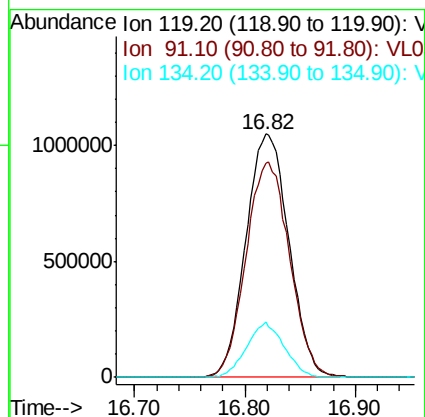
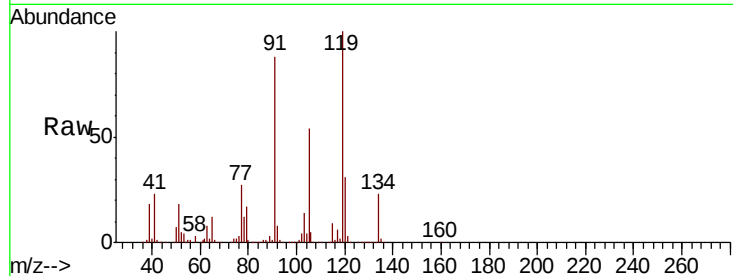
VSTDCCC010

Tot Ion:119 Resp: 2831606

Ion	Ratio	Lower	Upper
119	100		
91	90.0	71.6	107.4
134	19.8	15.9	23.9

Manual Integrations
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#66

Benzyl Chloride

Concen: 11.557 ppbv

RT: 17.07 min Scan# 4441

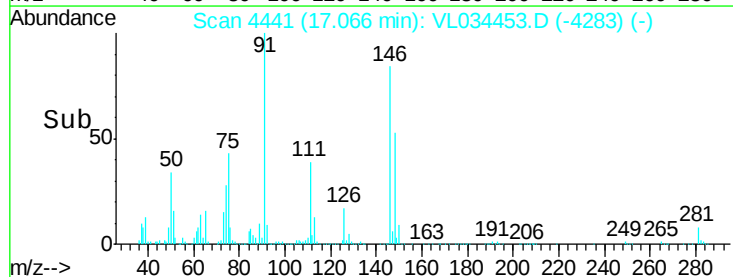
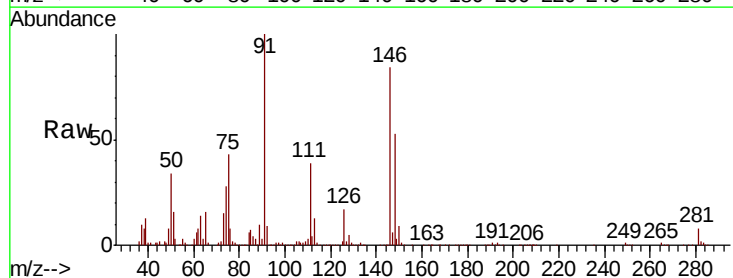
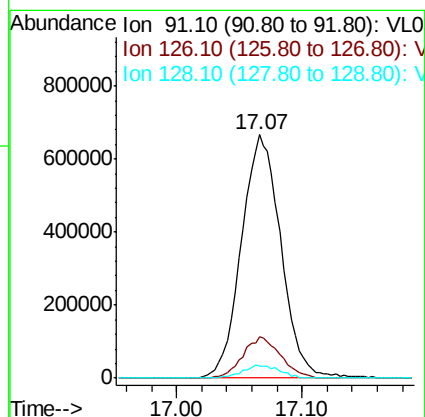
Delta R.T. 0.01 min

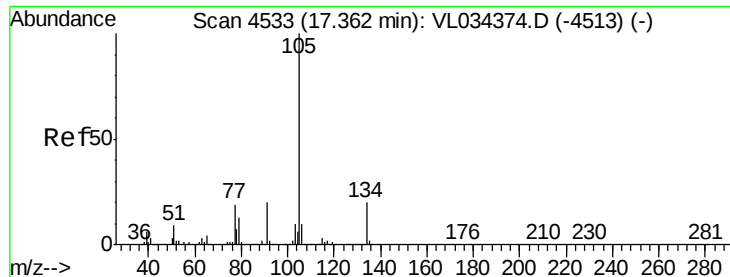
Lab File: VL034453.D

Acq: 3 Dec 2019 10:15

Tgt Ion: 91 Resp: 1450089

Ion	Ratio	Lower	Upper
91	100		
126	16.5	12.9	19.3
128	5.0	4.3	6.5





#67

sec-Butylbenzene

Concen: 8.677 ppbv

RT: 17.37 min Scan# 4536

Delta R.T. 0.01 min

Lab File: VL034453.D

Acq: 3 Dec 2019 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 3958958

Ion Ratio Lower Upper

105 100

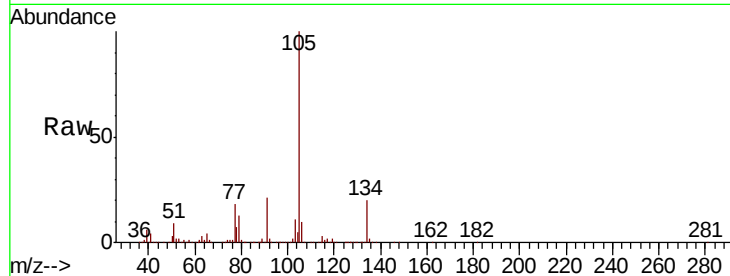
134 18.3 15.0 22.6

Manual Integrations

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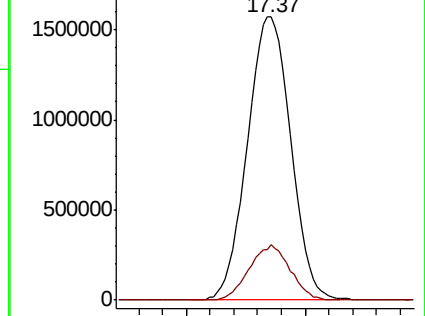
apatel

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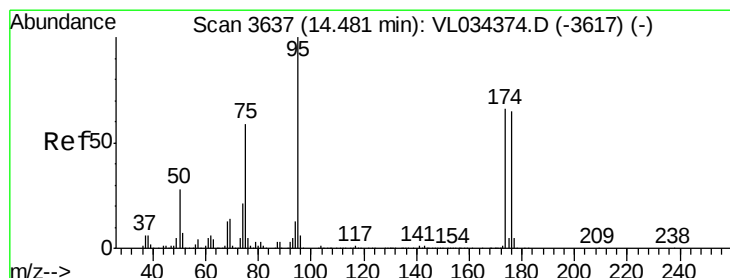
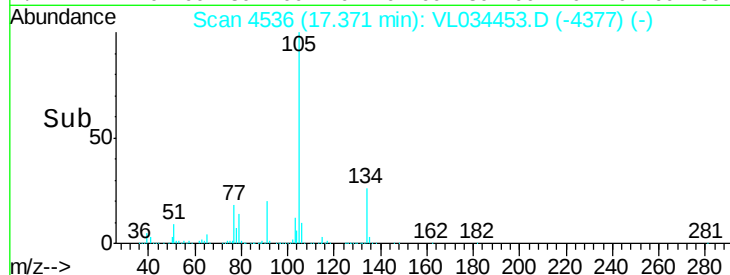


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.687 ppbv

RT: 14.49 min Scan# 3639

Delta R.T. 0.01 min

Lab File: VL034453.D

Acq: 3 Dec 2019 10:15

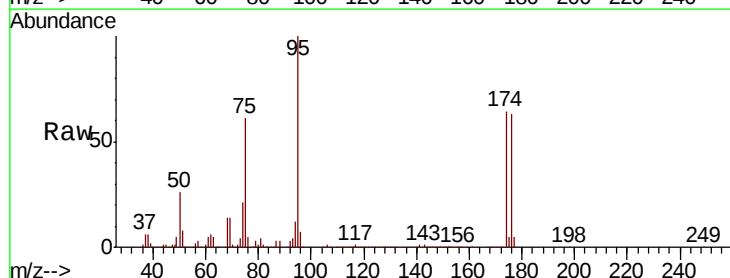
Tgt Ion: 95 Resp: 1686842

Ion Ratio Lower Upper

95 100

174 64.4 52.2 78.2

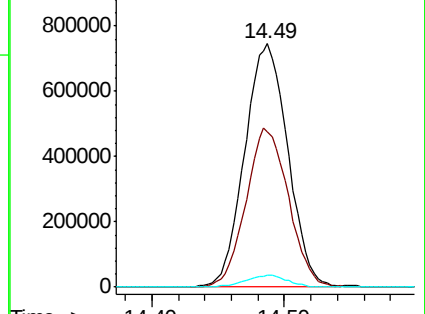
175 4.8 3.8 5.8



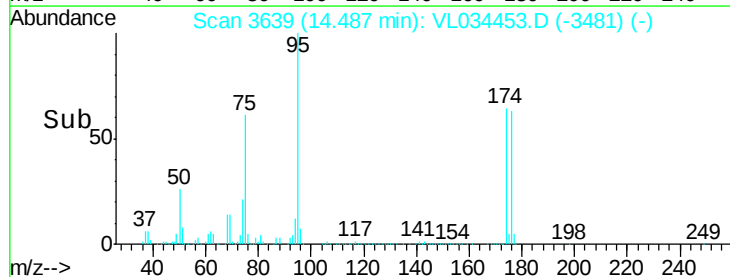
Abundance Ion 95.10 (94.80 to 95.80): VL0

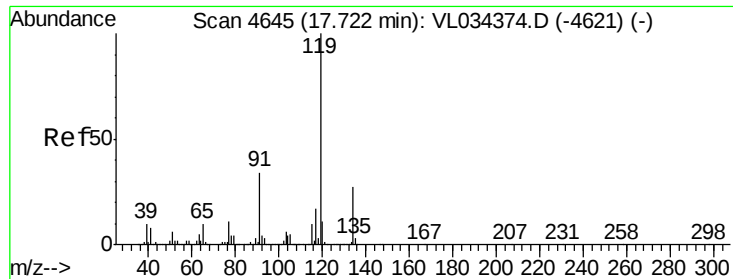
Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



Time-->





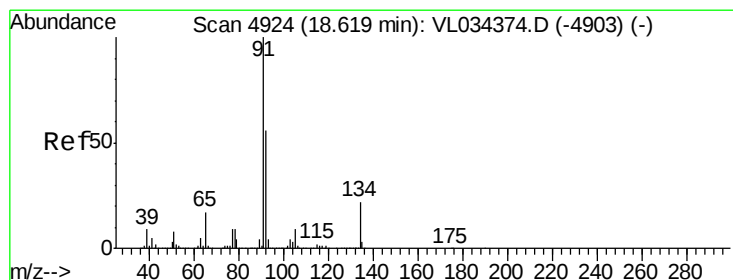
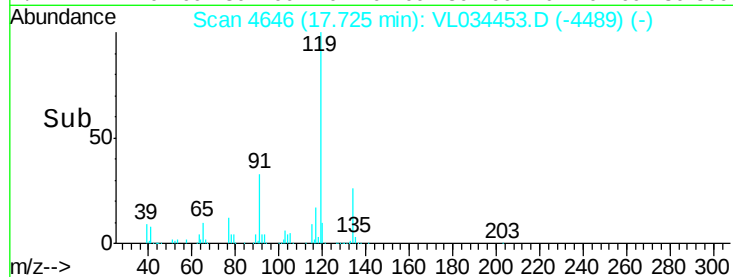
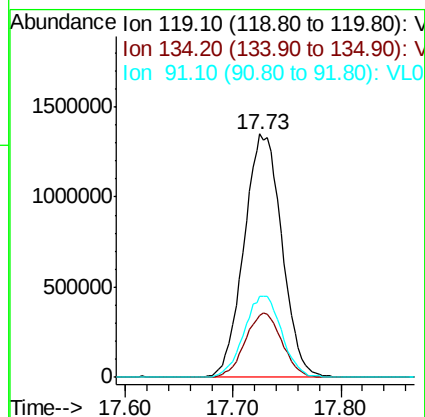
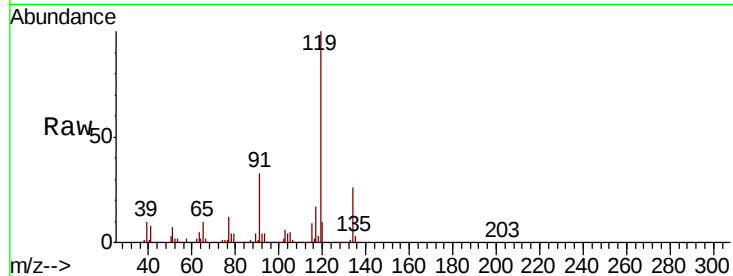
#69
 p-Isopropyltoluene
 Concen: 8.688 ppbv
 RT: 17.73 min Scan# 4646
 Delta R.T. 0.00 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	31.0
91	33.3	26.3	39.5

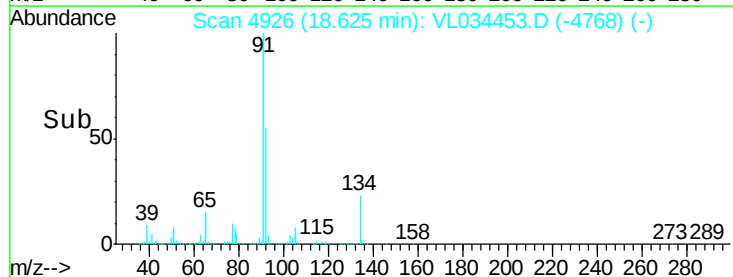
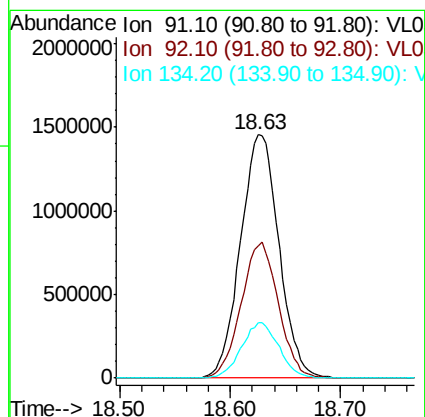
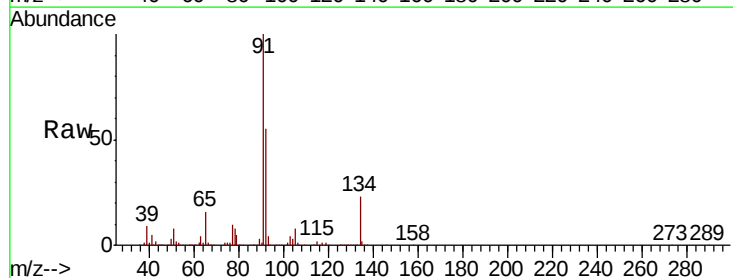
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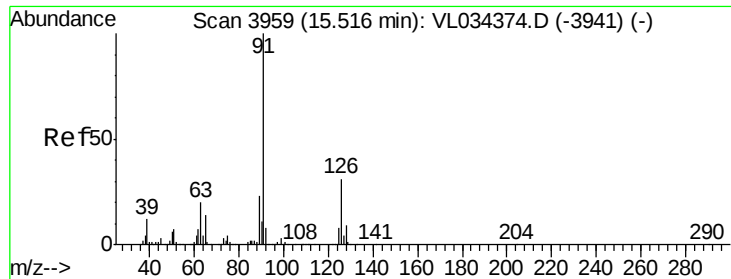
apatel
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#70
 n-Butylbenzene
 Concen: 8.611 ppbv
 RT: 18.63 min Scan# 4926
 Delta R.T. 0.01 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.2	43.8	65.6
134	22.2	17.9	26.9





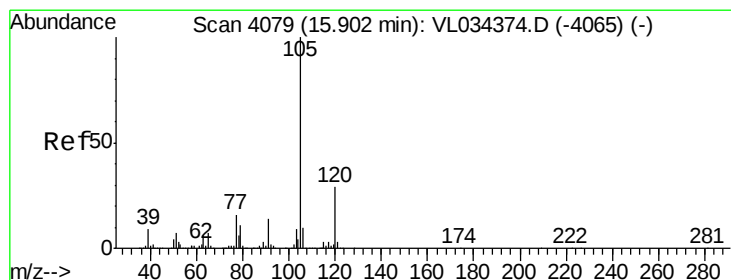
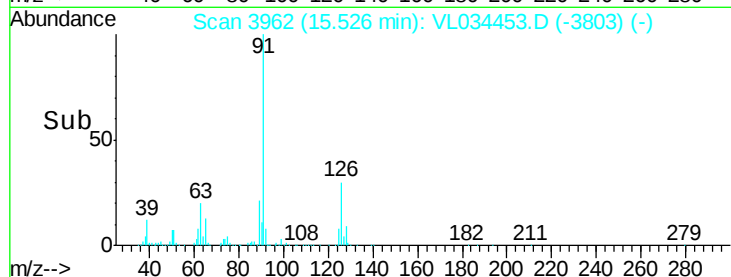
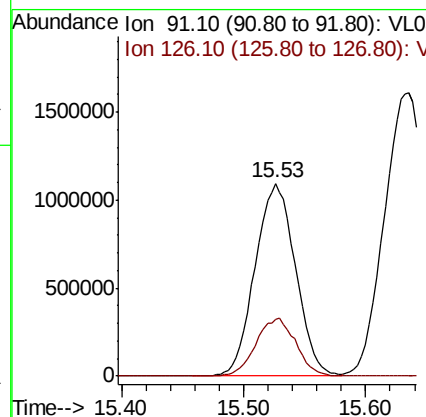
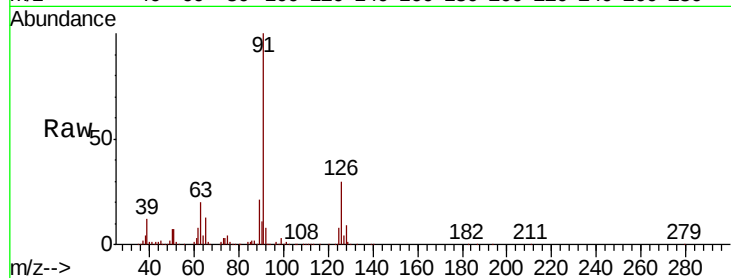
#71
 2-Chlorotoluene
 Concen: 8.676 ppbv
 RT: 15.53 min Scan# 3962
 Delta R.T. 0.01 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 91 Resp: 2511895
 Ion Ratio Lower Upper
 91 100
 126 29.6 11.8 47.4

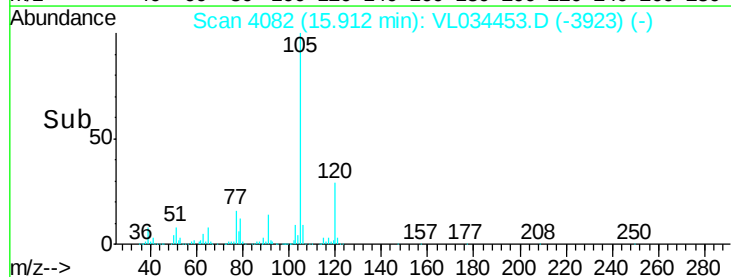
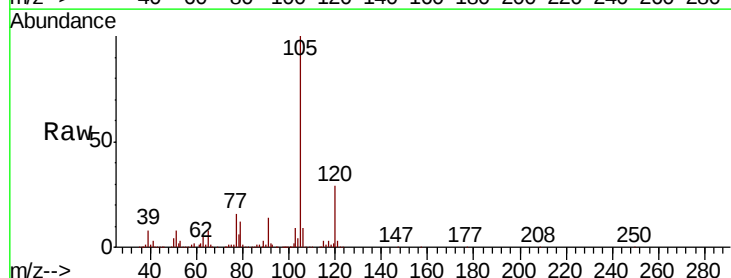
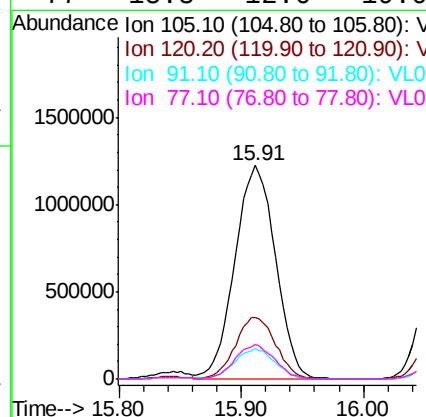
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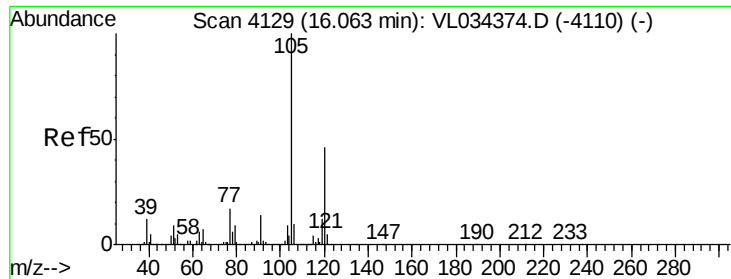
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#72
 4-Ethyltoluene
 Concen: 8.894 ppbv
 RT: 15.91 min Scan# 4082
 Delta R.T. 0.01 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Tgt Ion: 105 Resp: 2821515
 Ion Ratio Lower Upper
 105 100
 120 28.7 23.5 35.3
 91 14.0 11.4 17.0
 77 15.8 12.6 19.0





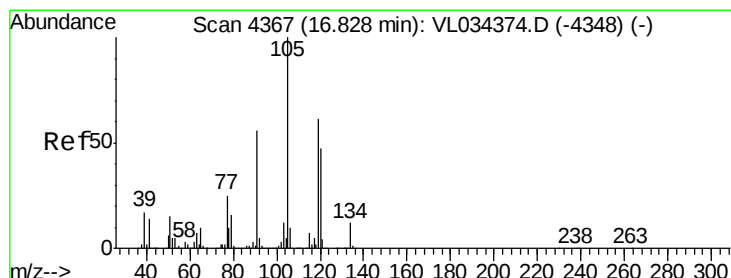
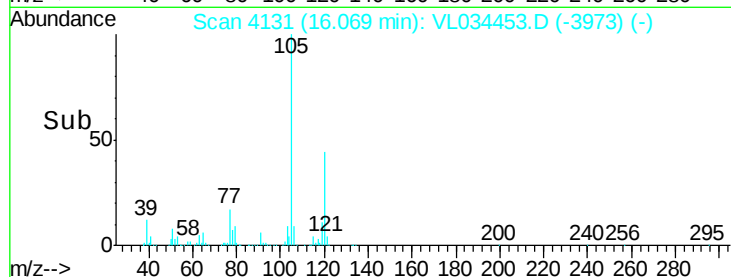
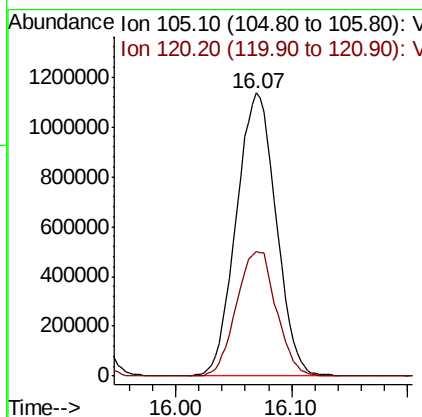
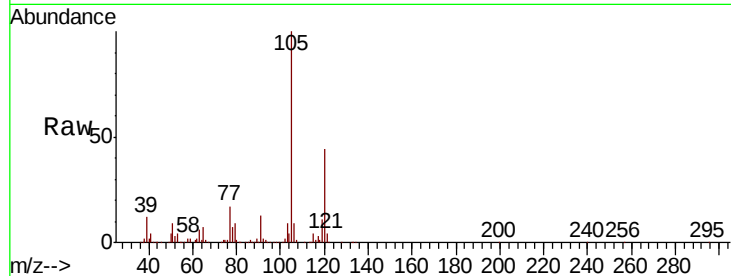
#73
 1,3,5-Trimethylbenzene
 Concen: 8.700 ppbv
 RT: 16.07 min Scan# 4131
 Delta R.T. 0.01 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 2701415
 Ion Ratio Lower Upper
 105 100
 120 44.2 37.1 55.7

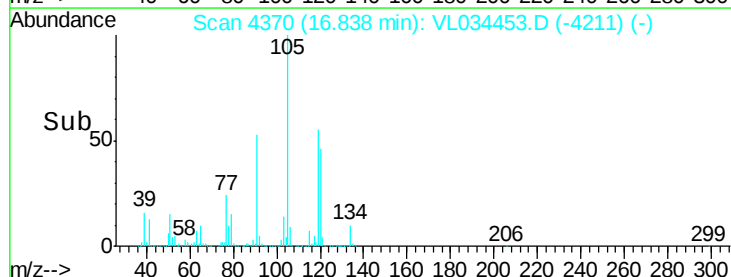
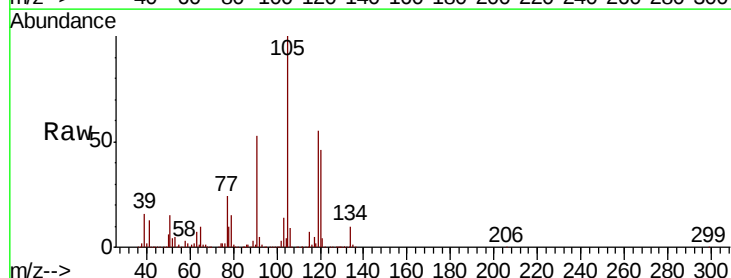
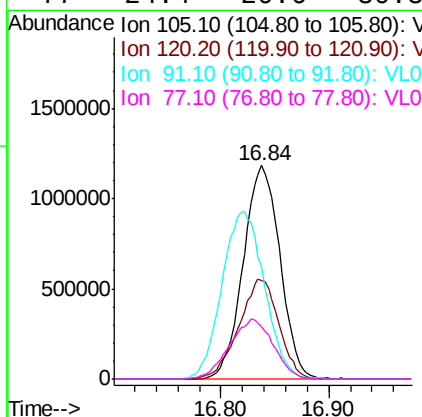
Manual Integrations
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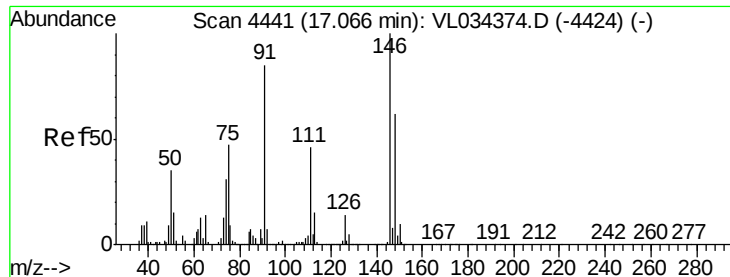
apatel
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#74
 1,2,4-Trimethylbenzene
 Concen: 8.489 ppbv
 RT: 16.84 min Scan# 4370
 Delta R.T. 0.01 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Tgt Ion:105 Resp: 2800029
 Ion Ratio Lower Upper
 105 100
 120 46.1 37.4 56.0
 91 52.5 46.3 69.5
 77 24.4 20.6 30.8





#75

1,3-Dichlorobenzene

Concen: 8.394 ppbv

RT: 17.08 min Scan# 4444

Delta R.T. 0.01 min

Lab File: VL034453.D

Acq: 3 Dec 2019 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 1591533

Ion Ratio Lower Upper

146 100

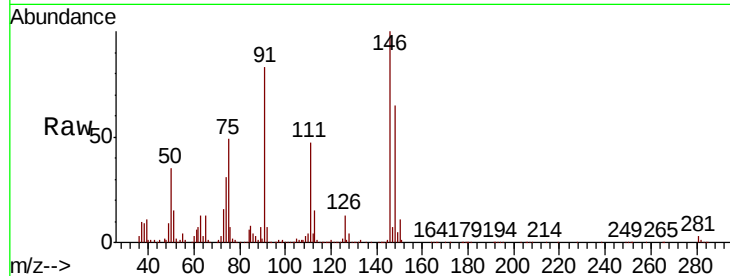
111 48.7 24.4 73.4

148 64.8 32.4 97.0

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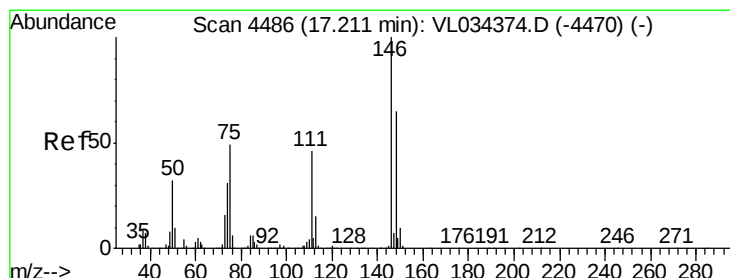
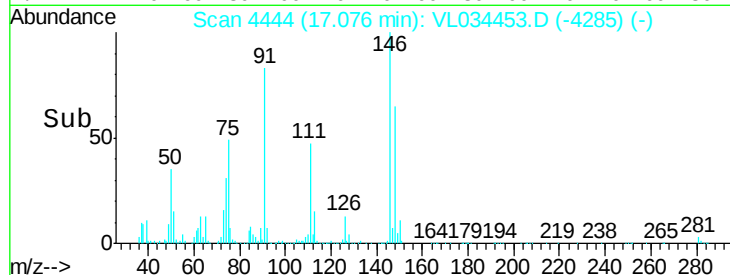
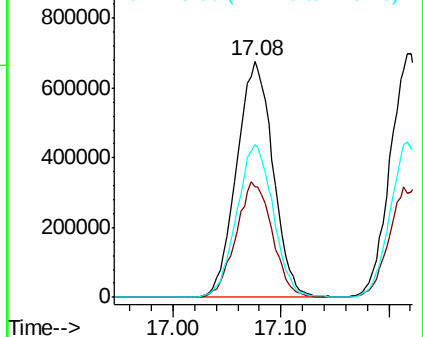
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.641 ppbv

RT: 17.22 min Scan# 4489

Delta R.T. 0.01 min

Lab File: VL034453.D

Acq: 3 Dec 2019 10:15

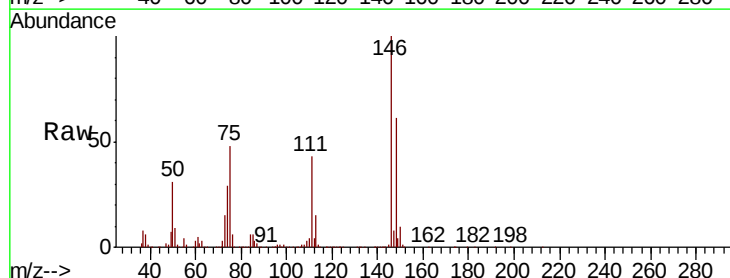
Tgt Ion:146 Resp: 1590814

Ion Ratio Lower Upper

146 100

111 47.6 24.1 72.3

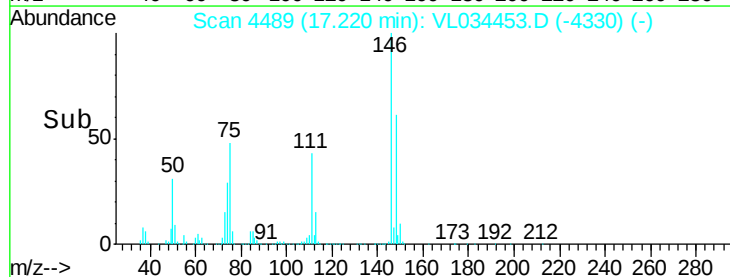
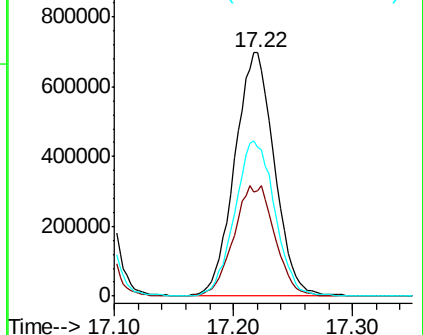
148 65.1 32.9 98.6

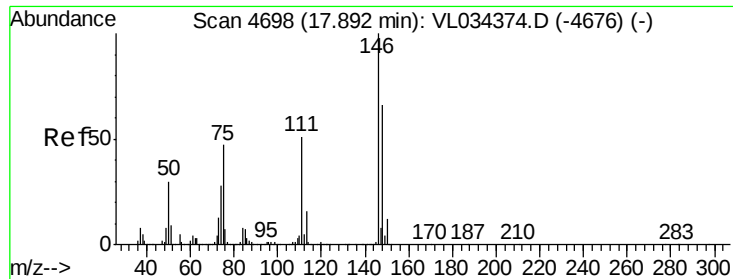


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





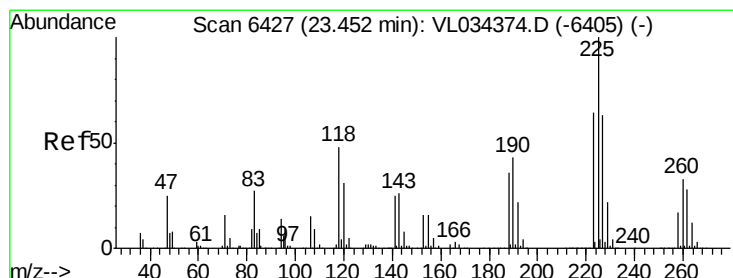
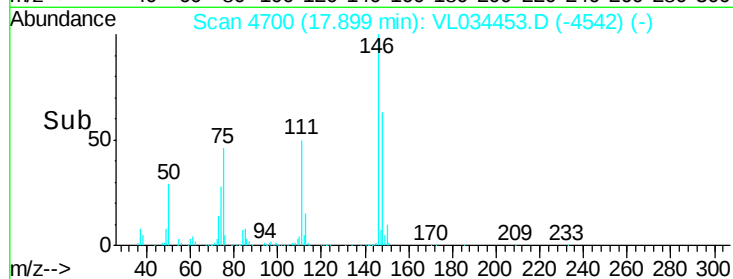
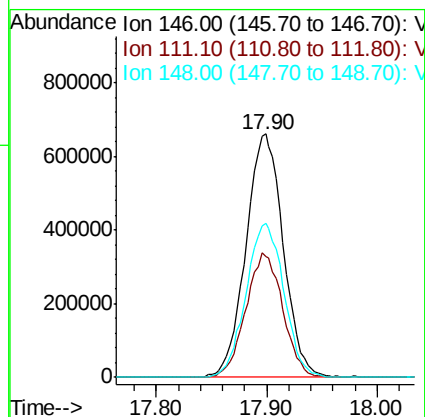
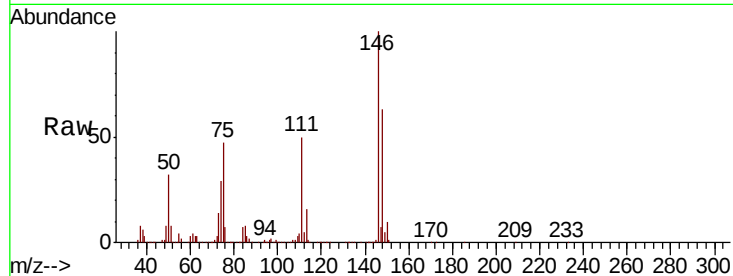
#77
 1,2-Dichlorobenzene
 Concen: 8.460 ppbv
 RT: 17.90 min Scan# 4700
 Delta R.T. 0.01 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 1549130
 Ion Ratio Lower Upper
 146 100
 111 50.8 25.0 75.0
 148 64.5 32.7 98.1

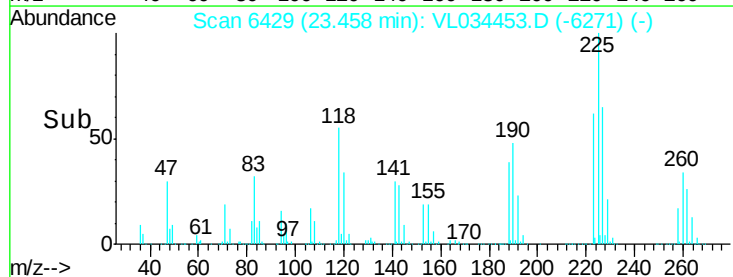
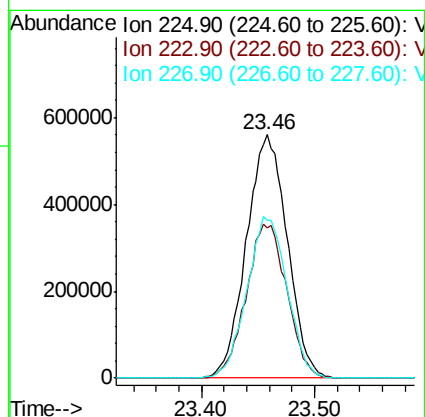
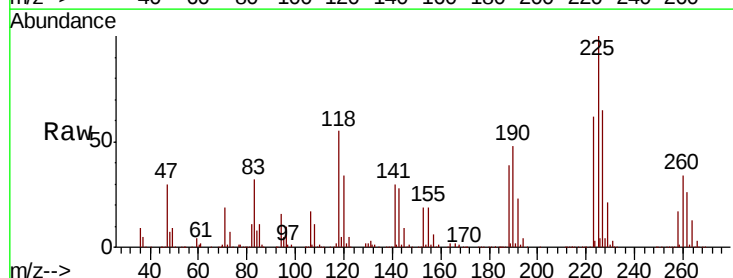
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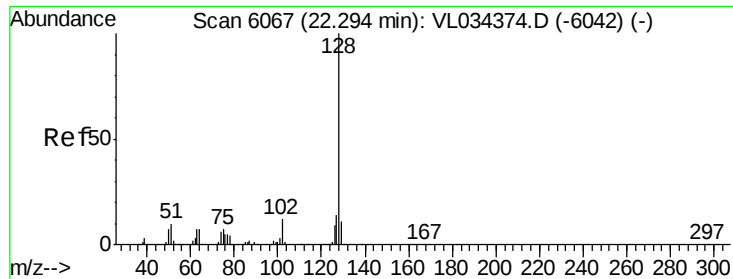
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.942 ppbv
 RT: 23.46 min Scan# 6429
 Delta R.T. 0.01 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Tgt Ion:225 Resp: 1406927
 Ion Ratio Lower Upper
 225 100
 223 63.1 50.2 75.2
 227 65.4 51.5 77.3





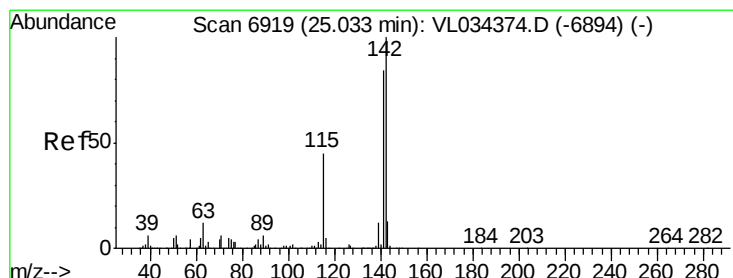
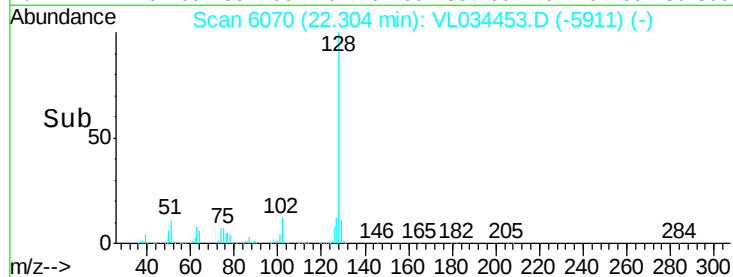
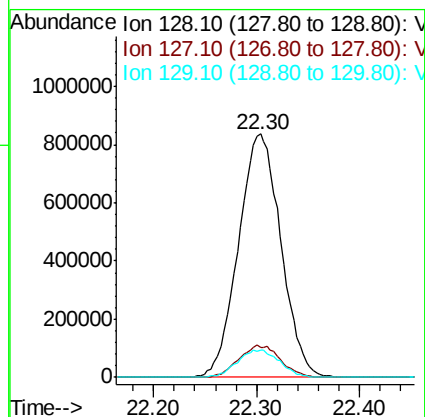
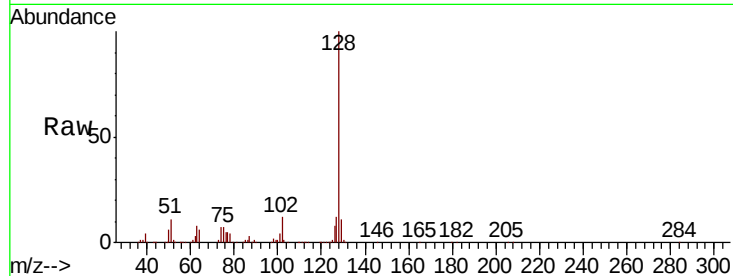
#79
Naphthalene
Concen: 8.325 ppbv
RT: 22.30 min Scan# 6070
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	11.0	16.6
129	11.4	8.9	13.3

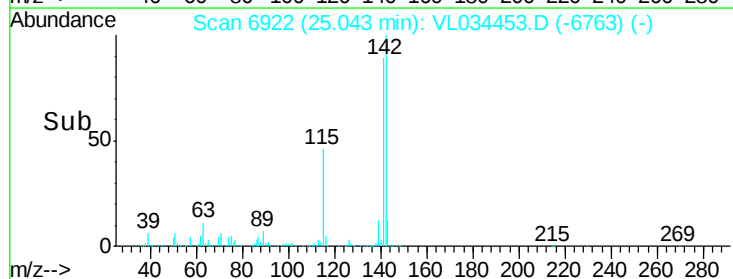
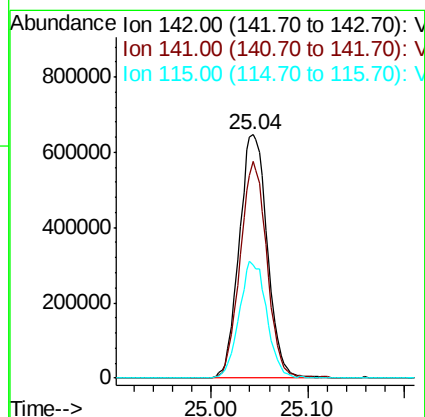
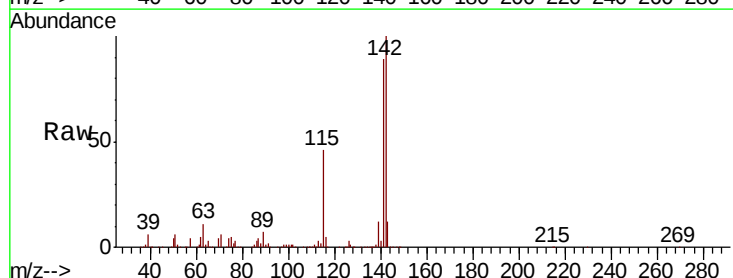
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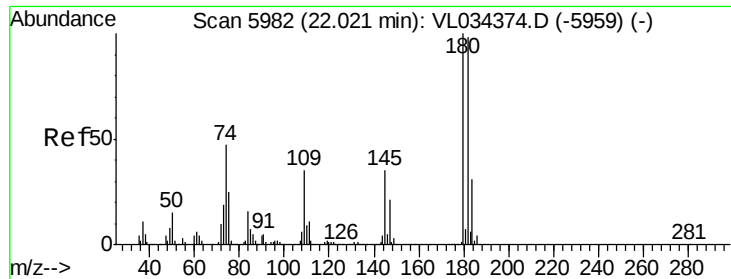
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#80
Naphthalene, 2-methyl-
Concen: 10.129 ppbv
RT: 25.04 min Scan# 6922
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.7	67.1	100.7
115	47.4	36.6	54.8





#81
 1,2,4-Trichlorobenzene
 Concen: 8.166 ppbv
 RT: 22.03 min Scan# 5985
 Delta R.T. 0.01 min
 Lab File: VL034453.D
 Acq: 3 Dec 2019 10:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.8	115.2
184	31.8	24.9	37.3

Manual Integrations
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