

Data File : VL033087.D

Acq On : 16 Jan 2019 9:35

Operator : SY/AP

Sample : VSTDCCC010

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Jan 17 01:50:15 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 04 16:09:05 2019

QLast Update : Fri Jan 04 16:09:05 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1130267	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2794440	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3400195	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2081340	7.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	2258303	10.736	ppbv	100
3) Chlorodifluoromethane	3.01	51	1231667	9.627	ppbv	100
4) Chloromethane	3.17	50	671479	9.163	ppbv	100
5) Vinyl Chloride	3.29	62	707906	9.565	ppbv	98
6) Bromomethane	3.52	94	464982	9.248	ppbv	100
7) Chloroethane	3.60	64	269535	9.313	ppbv	92
8) Dichlorotetrafluoroethane	3.22	85	1793049	9.896	ppbv	99
9) Propene	3.04	41	495077	10.358	ppbv	99
10) Heptane	8.25	43	1351603	9.932	ppbv	99
11) Trichlorofluoromethane	4.00	101	1921981	8.269	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1314735	8.946	ppbv	99
13) Ethanol	3.64	45	147723	7.750	ppbv	96
14) Bromoethene	3.79	108	586728	9.039	ppbv	100
15) Acetone	3.90	43	1249166	7.985	ppbv	100
16) 1,3-Butadiene	3.36	39	634773	10.760	ppbv	94
17) tert-Butyl alcohol	4.35	59	294898	8.899	ppbv	99
18) 1,1-Dichloroethene	4.35	96	602610	8.901	ppbv	95
19) Isopropyl Alcohol	4.02	45	883303	8.202	ppbv	100
20) Methylene Chloride	4.41	84	515967	7.911	ppbv	98
21) Allyl Chloride	4.48	41	932482	9.619	ppbv	98
22) trans-1,2-Dichloroethene	4.96	96	597099	8.898	ppbv	97
23) Vinyl Acetate	5.16	43	2003711	10.068	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1483243	8.778	ppbv	99
25) Ethyl Acetate	5.77	43	2390473	9.040	ppbv	100
26) Hexane	5.78	57	1104089	8.867	ppbv	99
27) Carbon Disulfide	4.62	76	1535261	9.998	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1862921	9.585	ppbv	100
29) Chloroform	5.85	83	1854444	8.739	ppbv	98
30) Cyclohexane	7.25	84	960376	10.344	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1145901	9.911	ppbv	97
32) 1,1,1-Trichloroethane	6.62	97	1994934	9.263	ppbv	99
34) 2-Butanone	5.33	43	1508279	9.289	ppbv	100
35) Carbon Tetrachloride	7.13	117	2174302	9.059	ppbv	97
36) Benzene	7.01	78	2221466	9.705	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1464758	9.165	ppbv	99
38) Trichloroethene	7.96	130	942221	10.006	ppbv	97
39) 1,2-Dichloropropane	7.74	63	826372	9.610	ppbv	96
40) 1,4-Dioxane	7.95	88	318167	9.747	ppbv	96
41) Tetrahydrofuran	6.15	42	844540	10.219	ppbv	99
42) Bromodichloromethane	7.92	83	2024257	9.220	ppbv	98
43) Methyl Methacrylate	8.14	69	887930	10.338	ppbv	97

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Instrument :
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ClientSampleId :
VSTDCCC010

Quant Time: Jan 17 01:50:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 04 16:09:05 2019
QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3743324	9.656	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1239729	11.595	ppbv	98
46) cis-1,3-Dichloropropene	8.84	75	1404752	11.512	ppbv	100
47) 1,1,2-Trichloroethane	9.62	97	931057	9.267	ppbv	98
48) Dibromochloromethane	10.45	129	1811621	10.206	ppbv	100
49) Bromoform	13.20	173	1552611	10.011	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	2105844	10.236	ppbv	99
51) 2-Hexanone	10.27	43	1650701	11.089	ppbv	100
52) Tetrachloroethene	11.38	164	835817	10.330	ppbv	97
53) Toluene	9.95	91	2639917	10.761	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1483104	10.246	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.28	131	1280170	7.287	ppbv	99
57) Chlorobenzene	12.30	112	2084420	7.344	ppbv	99
58) Ethyl Benzene	12.86	91	3621286	8.435	ppbv	100
59) m/p-Xylene	13.13	91	3246643	8.175	ppbv #	100
60) o-Xylene	13.85	91	3008198	7.737	ppbv	100
61) Styrene	13.69	104	2218327	8.942	ppbv	100
62) Isopropylbenzene	14.83	105	4266303	7.711	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	2048847	7.094	ppbv	100
64) n-propylbenzene	15.72	120	1088735	7.746	ppbv	98
65) tert-Butylbenzene	16.91	119	3785020	7.723	ppbv	100
66) Benzyl Chloride	17.16	91	2296270	8.221	ppbv	100
67) sec-Butylbenzene	17.46	105	5293764	7.548	ppbv	100
69) p-Isopropyltoluene	17.82	119	4373242	7.682	ppbv	100
70) n-Butylbenzene	18.72	91	4310610	7.533	ppbv	100
71) 2-Chlorotoluene	15.62	91	3135202	7.990	ppbv	100
72) 4-Ethyltoluene	16.00	105	3465376	8.111	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	3279697	7.780	ppbv	100
74) 1,2,4-Trimethylbenzene	16.93	105	3406938	7.297	ppbv	98
75) 1,3-Dichlorobenzene	17.17	146	1909717	6.949	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1872967	7.482	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1811179	7.318	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	1390087	7.313	ppbv	100
79) Naphthalene	22.42	128	3175813	8.076	ppbv	99
80) Naphthalene,2-methyl-	25.12	142	1257599	10.538	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1505691	7.925	ppbv	99

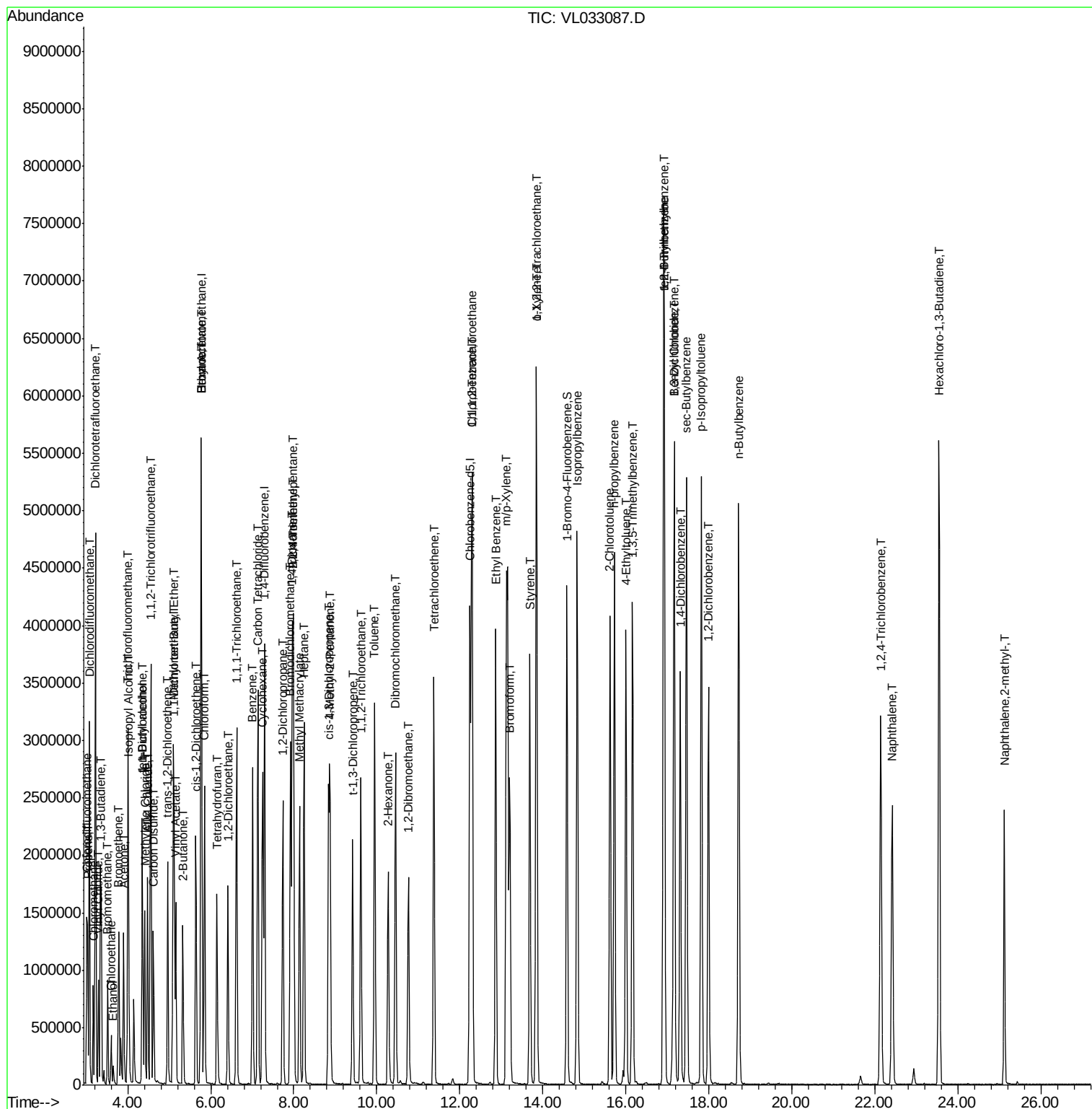
(#) = qualifier out of range (m) = manual integration (+) = signals summed

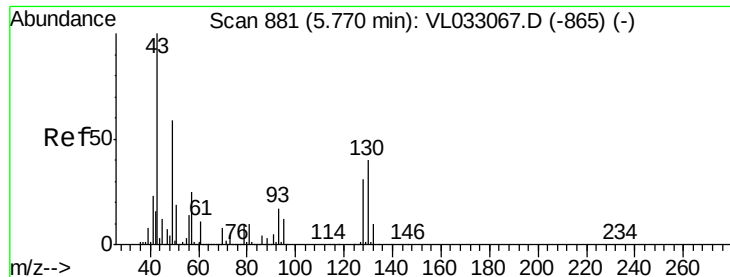
Data File : VL033087.D

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Acq On       : 16 Jan 2019    9:35
Operator     : SY/AP
Sample       : VSTDCCC010
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ClientSampleId :
VSTDCCC010

Quant Time: Jan 17 01:50:15 2019
Quant Method : Z:\VQASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jan 04 16:09:05 2019
QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

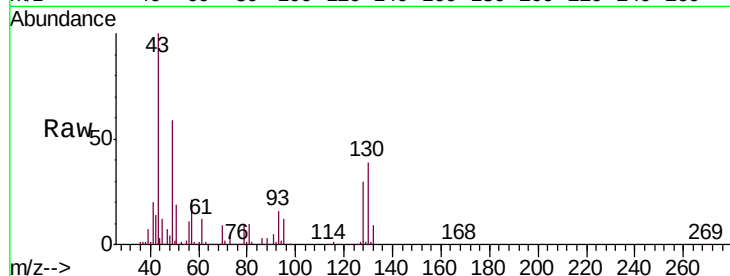
Tgt Ion: 49 Resp: 1130267

Ion Ratio Lower Upper

49 100

128 52.6 26.2 78.5

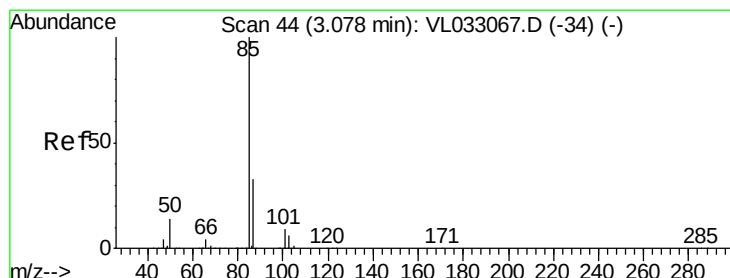
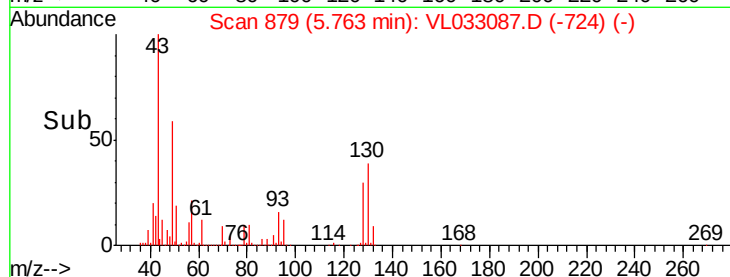
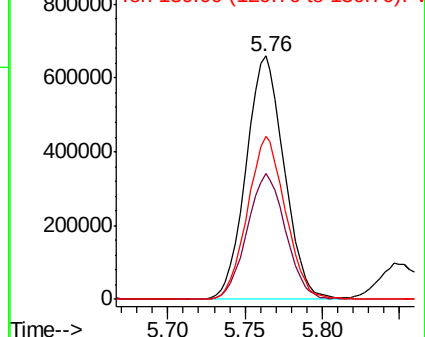
130 67.1 33.6 100.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 10.736 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033087.D

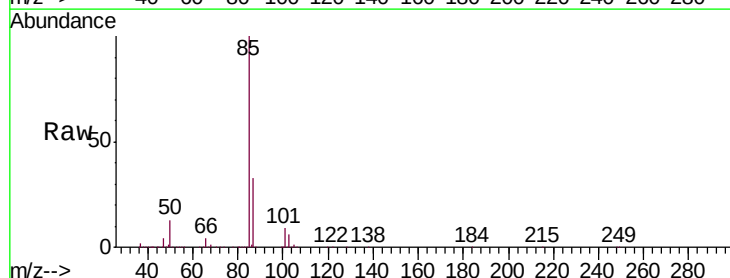
Acq: 16 Jan 2019 9:35

Tgt Ion: 85 Resp: 2258303

Ion Ratio Lower Upper

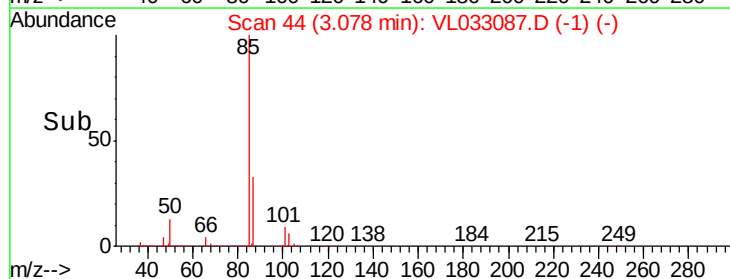
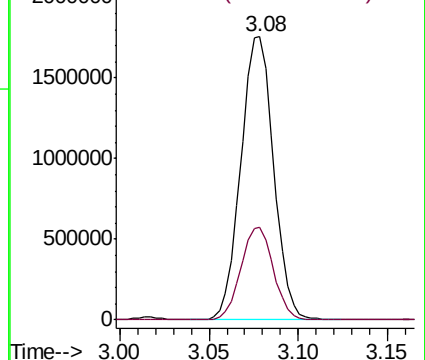
85 100

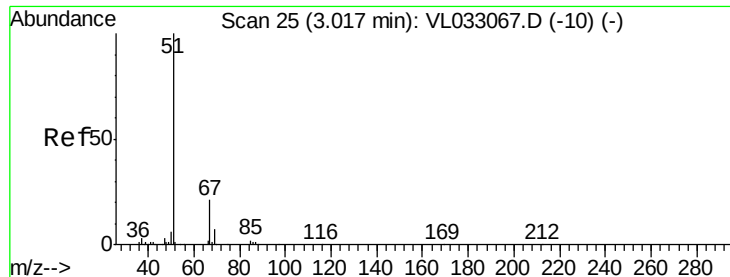
87 32.9 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.627 ppbv

RT: 3.01 min Scan# 24

Delta R.T. 0.00 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

Instrument :

MSVOA_L

ClientSampleId :

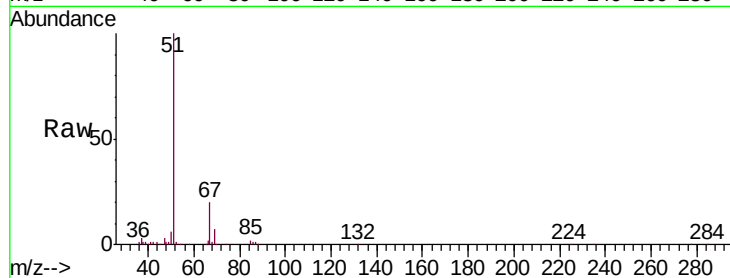
VSTDCCC010

Tgt Ion: 51 Resp: 1231667

Ion Ratio Lower Upper

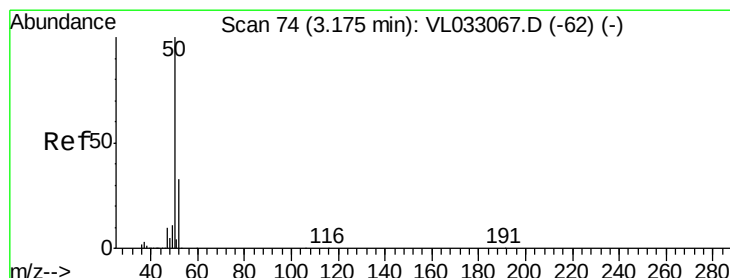
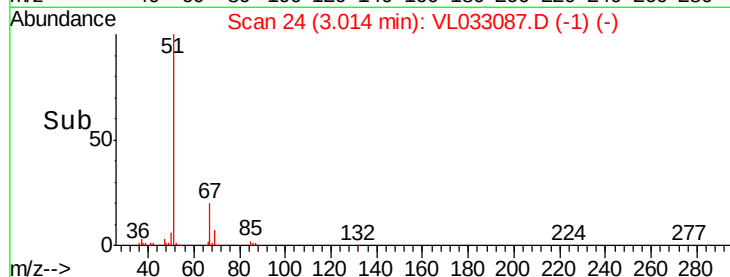
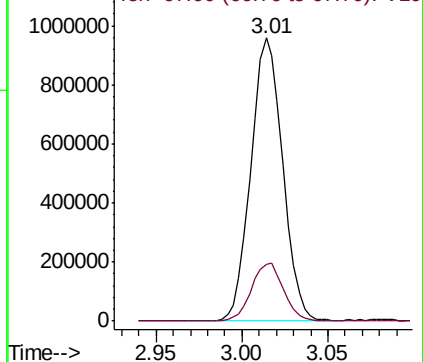
51 100

67 20.6 16.3 24.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.163 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033087.D

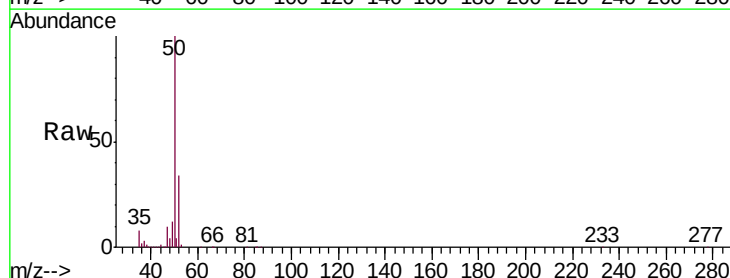
Acq: 16 Jan 2019 9:35

Tgt Ion: 50 Resp: 671479

Ion Ratio Lower Upper

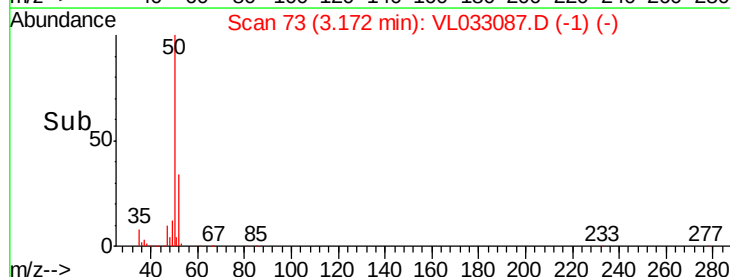
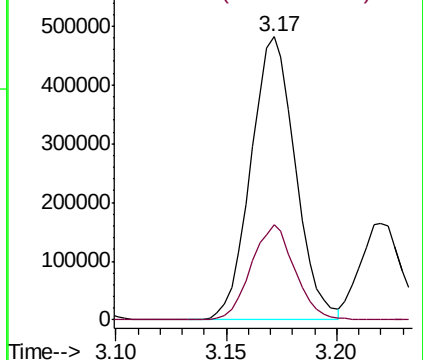
50 100

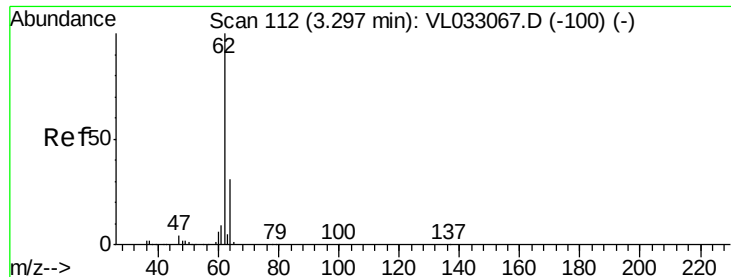
52 33.7 26.9 40.3



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.565 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

Instrument :

MSVOA_L

ClientSampleId :

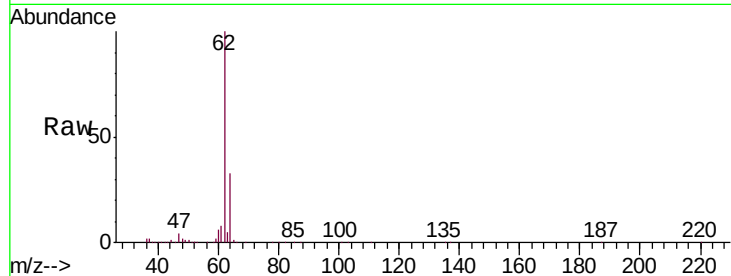
VSTDCCC010

Tgt Ion: 62 Resp: 707906

Ion Ratio Lower Upper

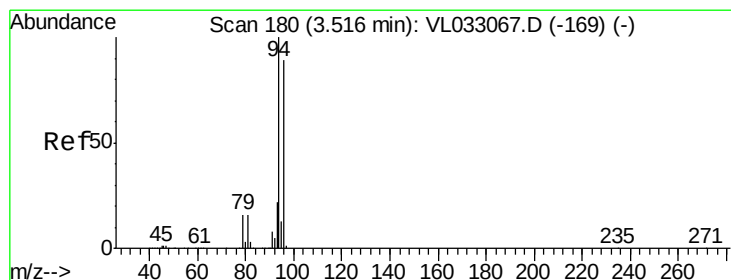
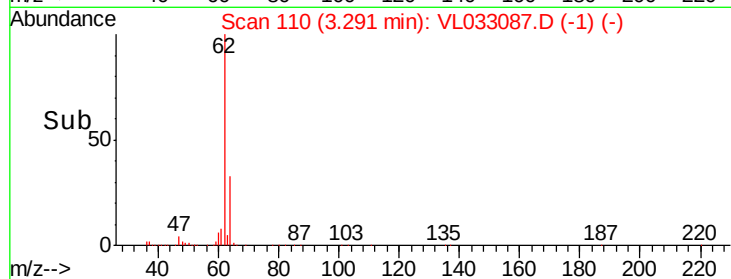
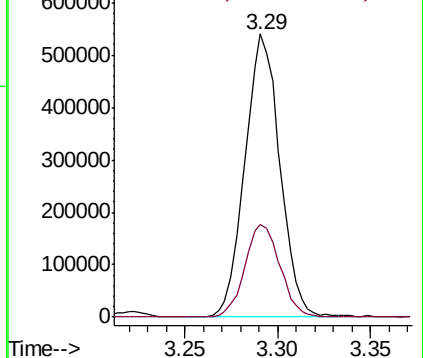
62 100

64 32.8 25.3 37.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.248 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033087.D

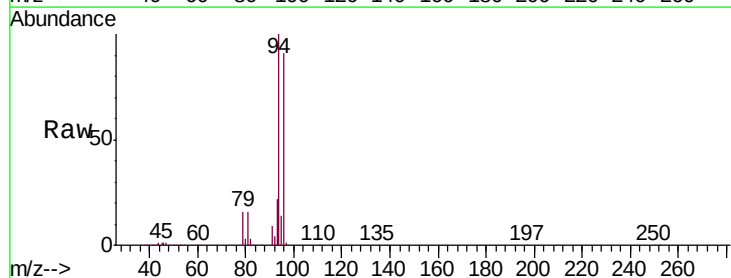
Acq: 16 Jan 2019 9:35

Tgt Ion: 94 Resp: 464982

Ion Ratio Lower Upper

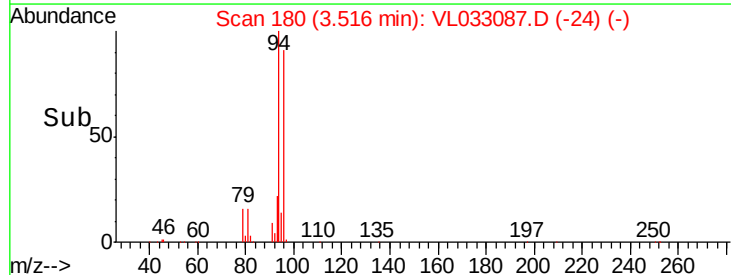
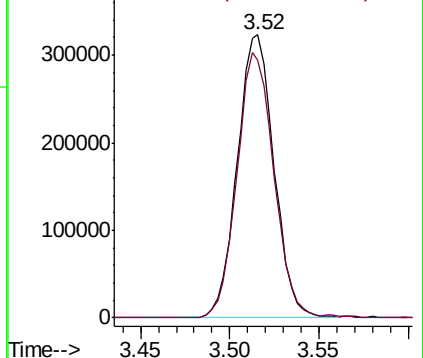
94 100

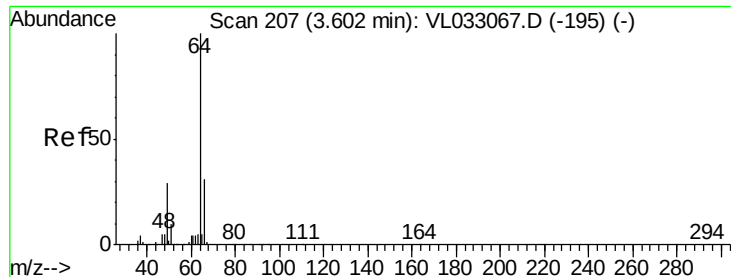
96 91.0 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.313 ppbv

RT: 3.60 min Scan# 206

Delta R.T. 0.00 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

Instrument :

MSVOA_L

ClientSampleId :

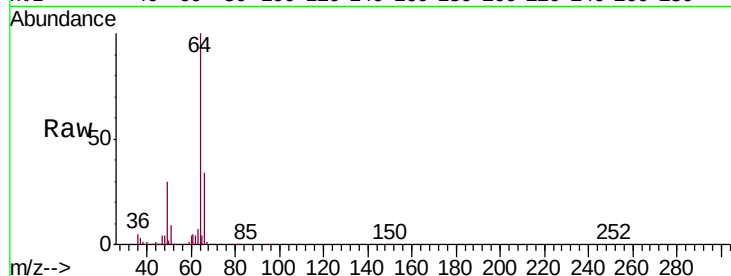
VSTDCCC010

Tgt Ion: 64 Resp: 269535

Ion Ratio Lower Upper

64 100

66 33.7 23.7 35.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.60

200000

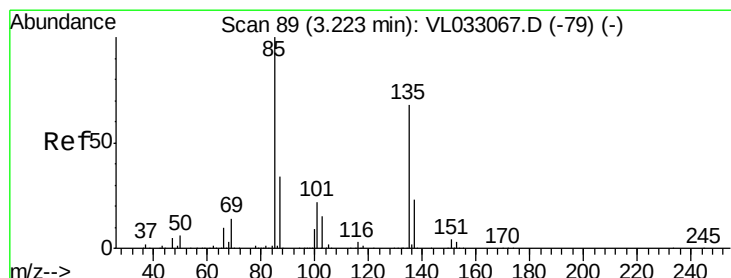
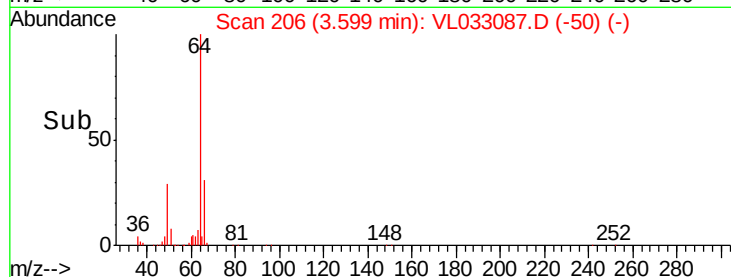
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.896 ppbv

RT: 3.22 min Scan# 88

Delta R.T. 0.00 min

Lab File: VL033087.D

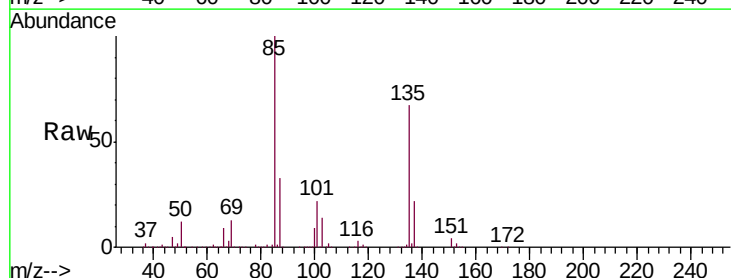
Acq: 16 Jan 2019 9:35

Tgt Ion: 85 Resp: 1793049

Ion Ratio Lower Upper

85 100

135 68.0 54.9 82.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.22

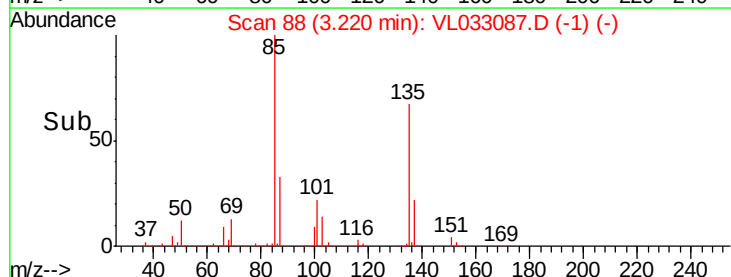
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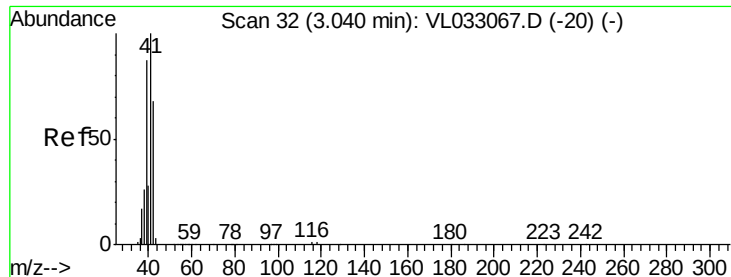
1000000

500000

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Time-->





#9

Propene

Concen: 10.358 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

Instrument :

MSVOA_L

ClientSampleId :

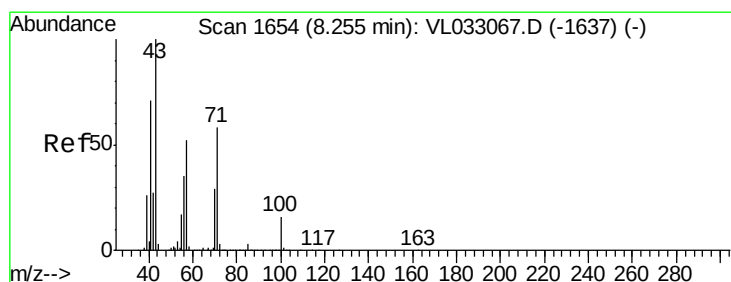
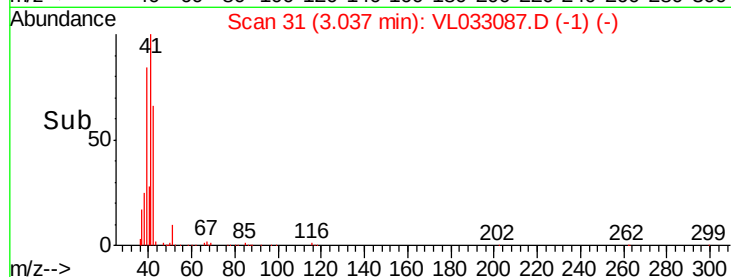
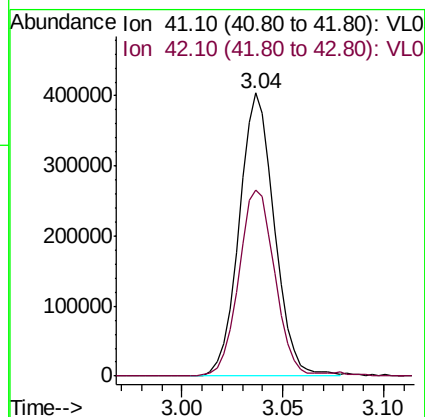
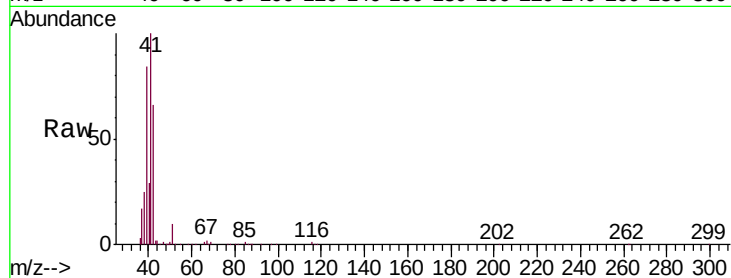
VSTDCCC010

Tgt Ion: 41 Resp: 495077

Ion Ratio Lower Upper

41 100

42 68.7 55.3 82.9



#10

Heptane

Concen: 9.932 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.00 min

Lab File: VL033087.D

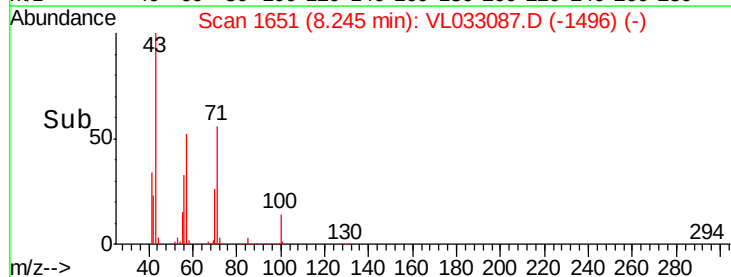
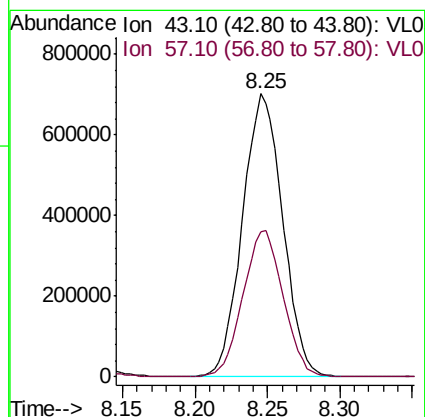
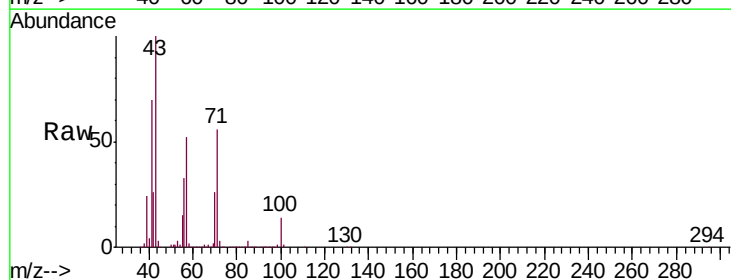
Acq: 16 Jan 2019 9:35

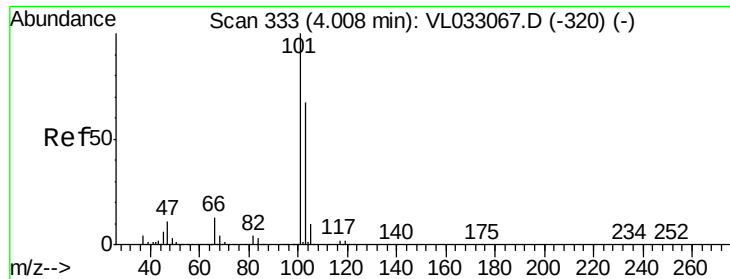
Tgt Ion: 43 Resp: 1351603

Ion Ratio Lower Upper

43 100

57 51.8 41.9 62.9





#11

Trichlorofluoromethane

Concen: 8.269 ppbv

RT: 4.00 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL033087.D

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ClientSampleId :

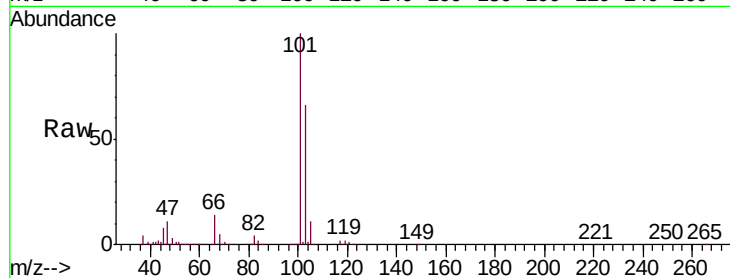
VSTDCCC010

Tgt Ion:101 Resp: 1921981

Ion Ratio Lower Upper

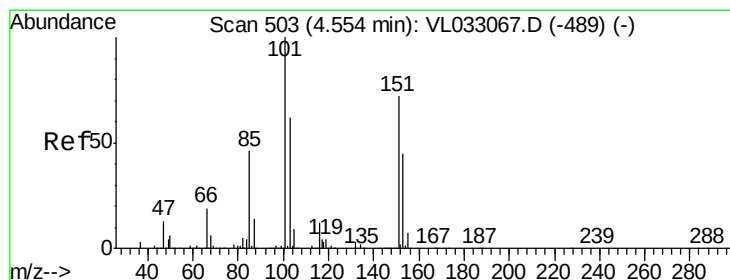
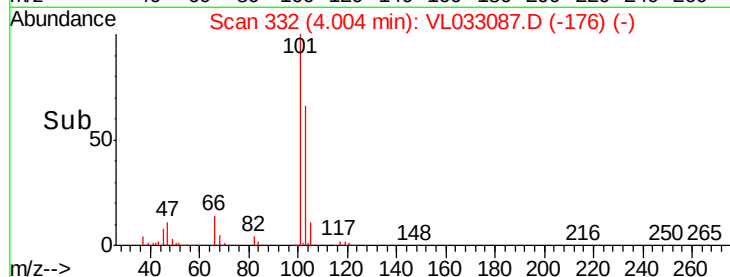
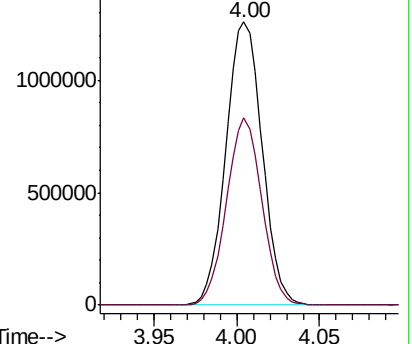
101 100

103 66.3 51.7 77.5



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: 8.946 ppbv

RT: 4.55 min Scan# 502

Delta R.T. -0.00 min

Lab File: VL033087.D

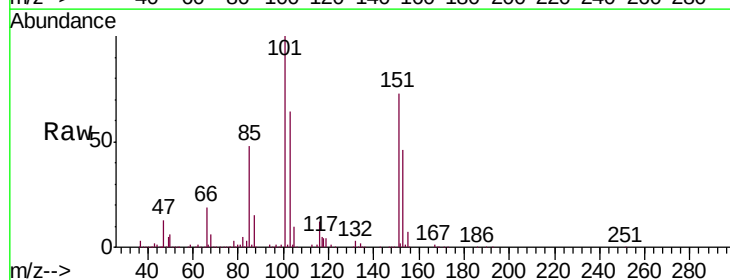
Acq: 16 Jan 2019 9:35

Tgt Ion:101 Resp: 1314735

Ion Ratio Lower Upper

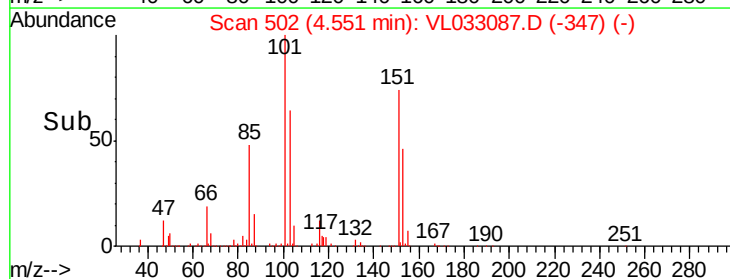
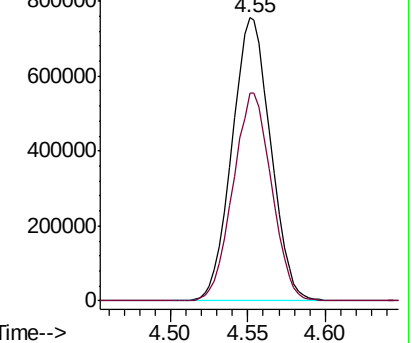
101 100

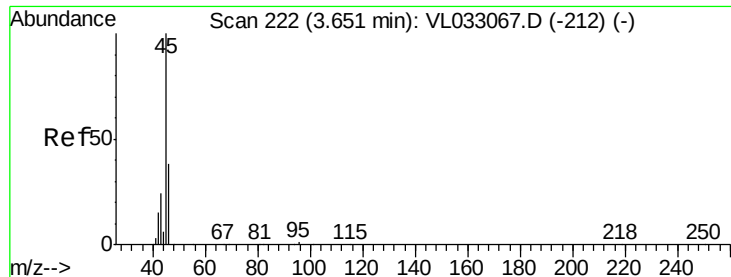
151 73.4 58.3 87.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

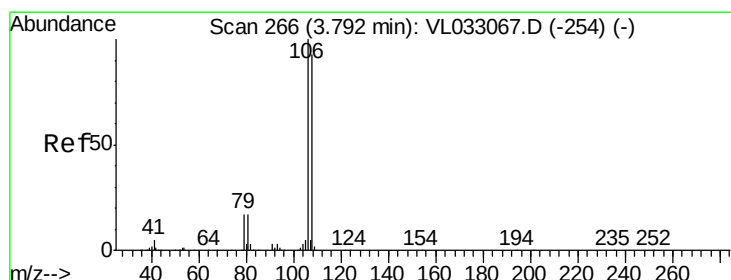
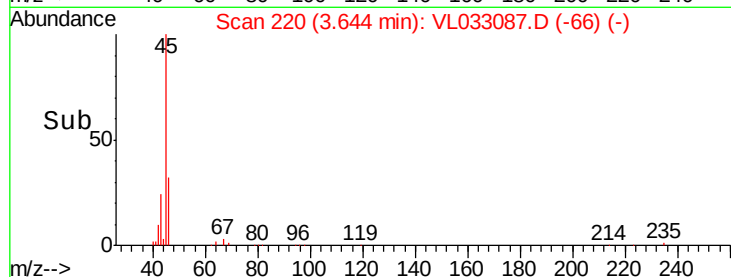
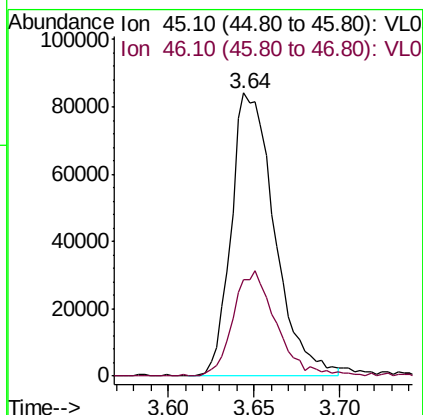
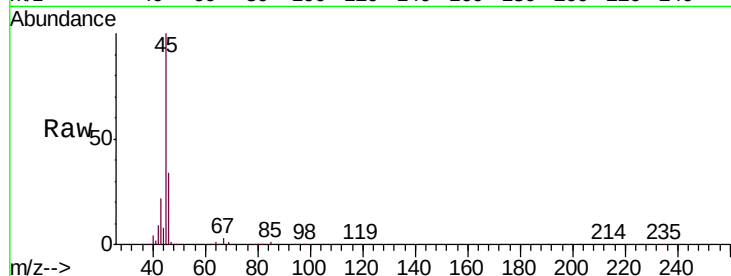




#13
Ethanol
Concen: 7.750 ppbv
RT: 3.64 min Scan# 220
Delta R.T. -0.01 min
Lab File: VL033087.D
Acq: 16 Jan 2019 9:35

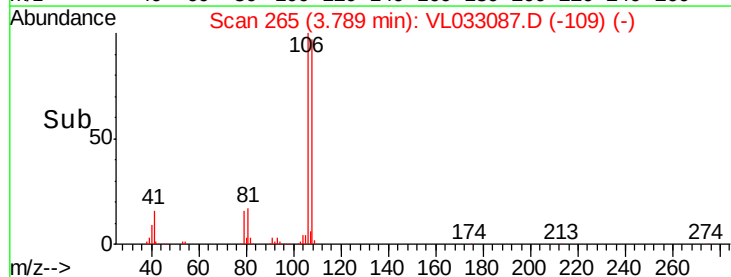
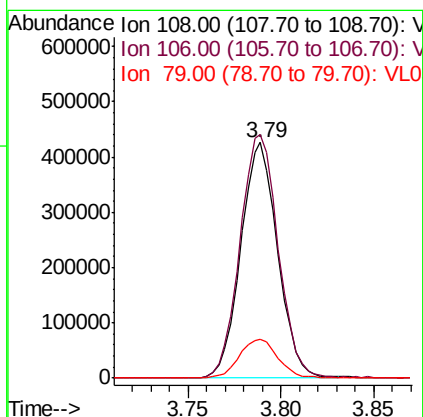
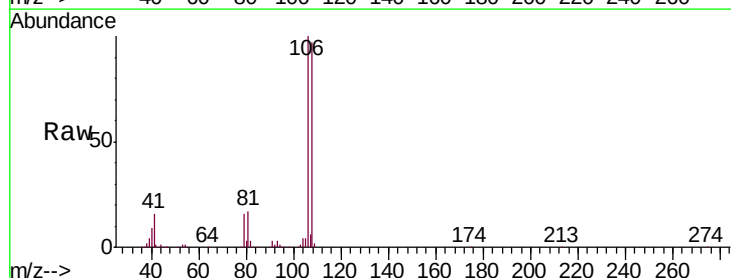
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

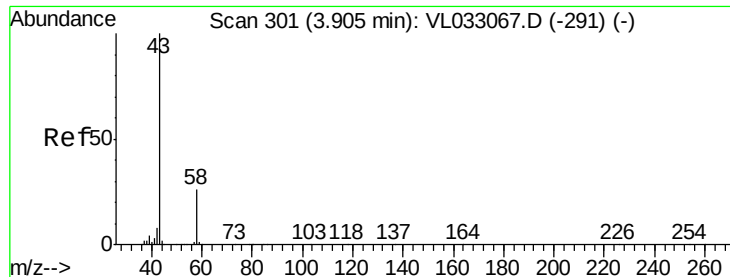
Tgt Ion: 45 Resp: 147723
Ion Ratio Lower Upper
45 100
46 37.1 13.8 55.2



#14
Bromoethene
Concen: 9.039 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033087.D
Acq: 16 Jan 2019 9:35

Tgt Ion: 108 Resp: 586728
Ion Ratio Lower Upper
108 100
106 108.0 86.4 129.6
79 17.2 14.3 21.5





#15

Acetone

Concen: 7.985 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

Instrument :

MSVOA_L

ClientSampleId :

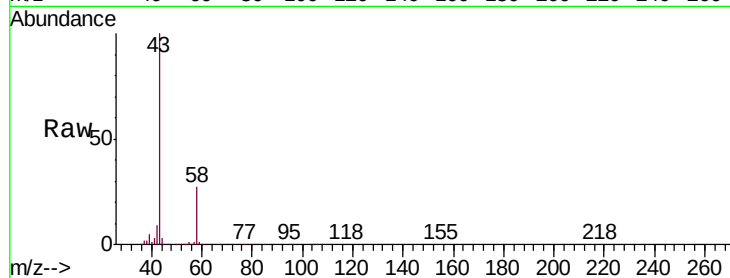
VSTDCCC010

Tgt Ion: 43 Resp: 1249166

Ion Ratio Lower Upper

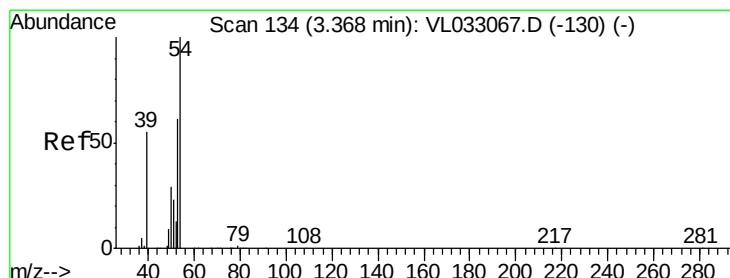
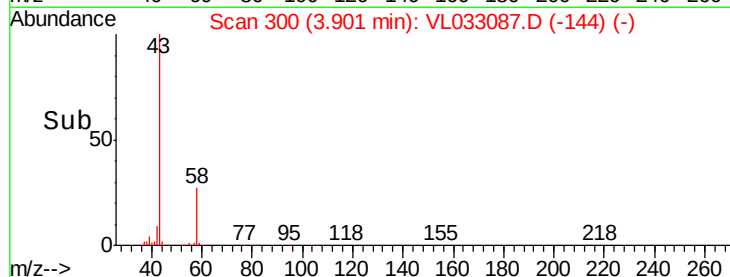
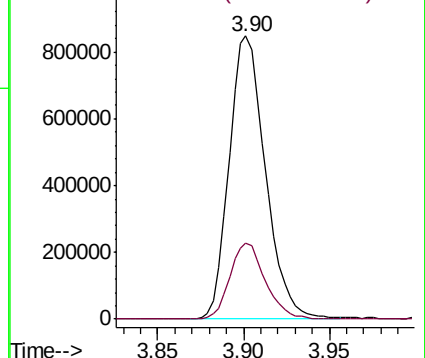
43 100

58 26.6 21.1 31.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.760 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033087.D

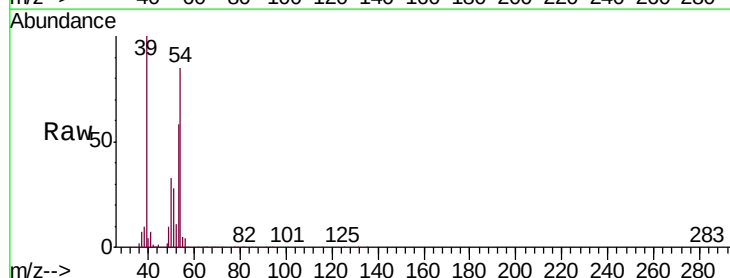
Acq: 16 Jan 2019 9:35

Tgt Ion: 39 Resp: 634773

Ion Ratio Lower Upper

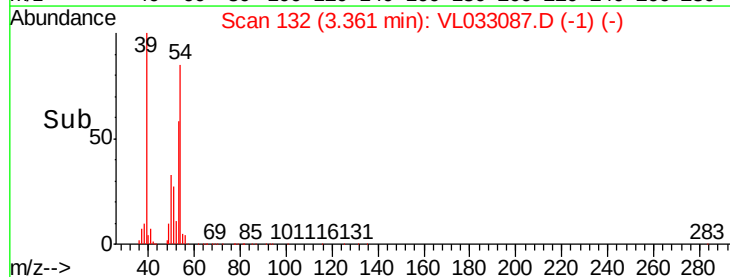
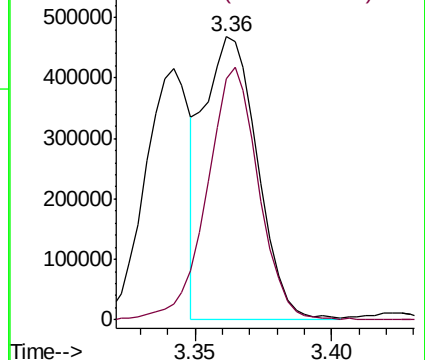
39 100

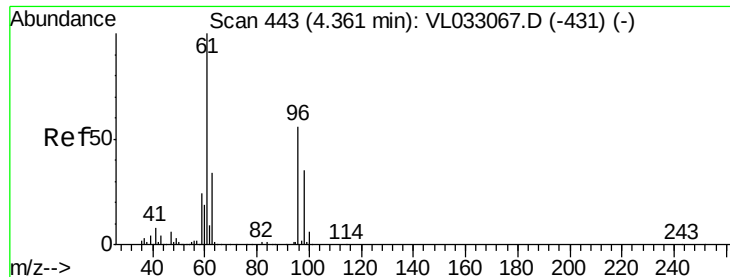
54 86.4 73.7 110.5



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

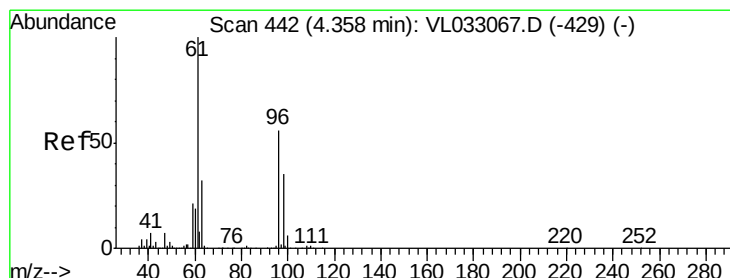
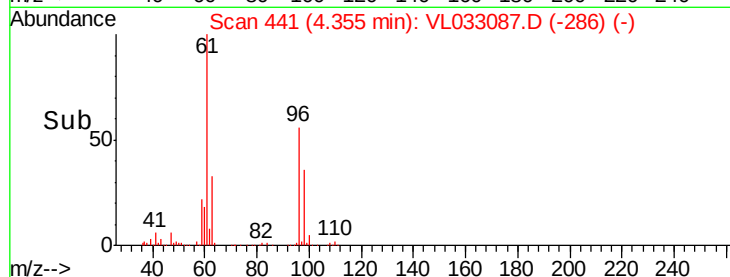
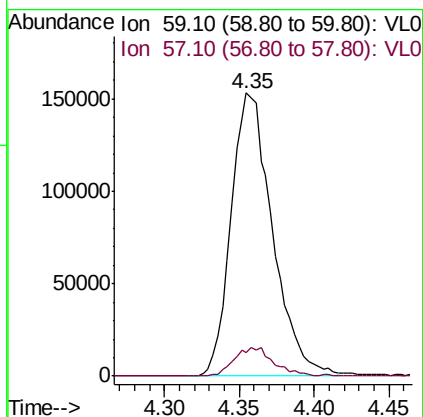
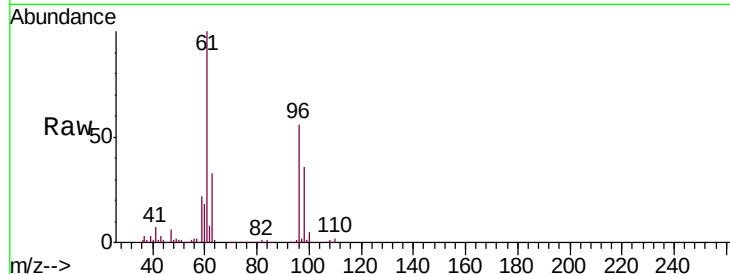




#17
 tert-Butyl alcohol
 Concen: 8.899 ppbv
 RT: 4.35 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VL033087.D
 Acq: 16 Jan 2019 9:35

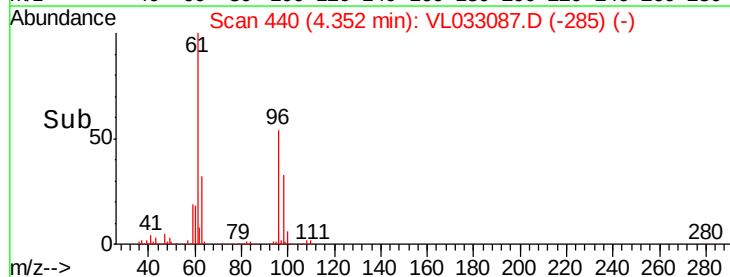
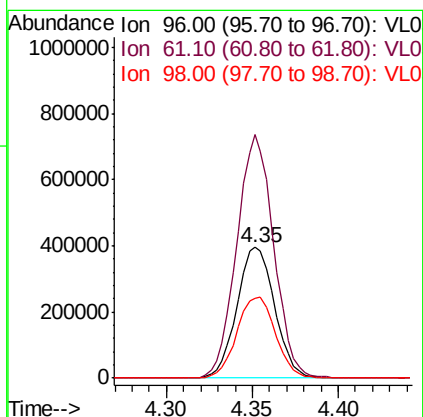
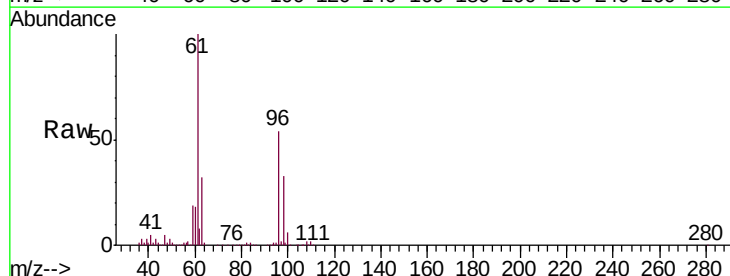
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

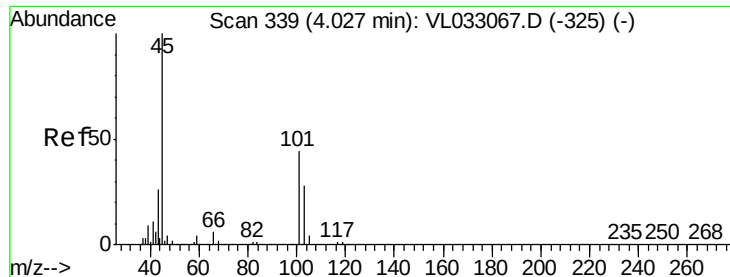
Tgt Ion: 59 Resp: 294898
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.7 11.5



#18
 1,1-Dichloroethene
 Concen: 8.901 ppbv
 RT: 4.35 min Scan# 440
 Delta R.T. -0.00 min
 Lab File: VL033087.D
 Acq: 16 Jan 2019 9:35

Tgt Ion: 96 Resp: 602610
 Ion Ratio Lower Upper
 96 100
 61 186.5 143.7 215.5
 98 61.6 52.1 78.1





#19

Isopropyl Alcohol

Concen: 8.202 ppbv

RT: 4.02 min Scan# 338

Delta R.T. 0.00 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

Instrument :

MSVOA_L

ClientSampleId :

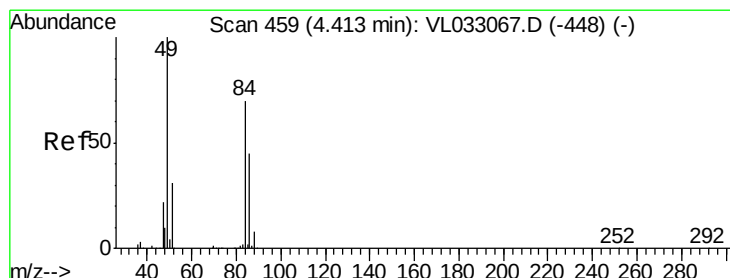
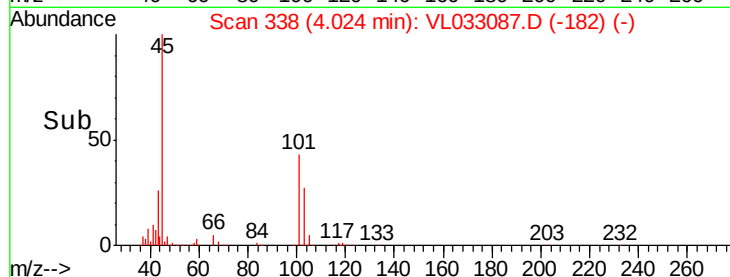
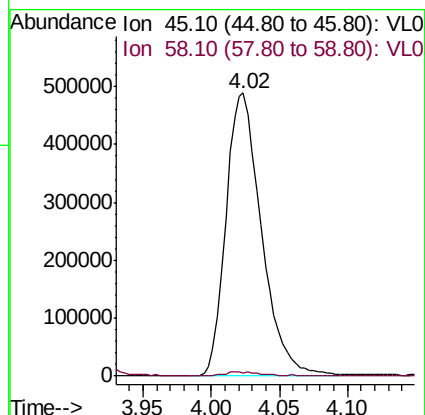
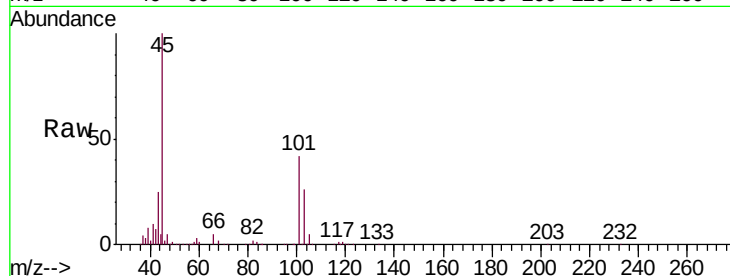
VSTDCCC010

Tgt Ion: 45 Resp: 883303

Ion Ratio Lower Upper

45 100

58 1.8 1.4 2.2



#20

Methylene Chloride

Concen: 7.911 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

Tgt Ion: 84 Resp: 515967

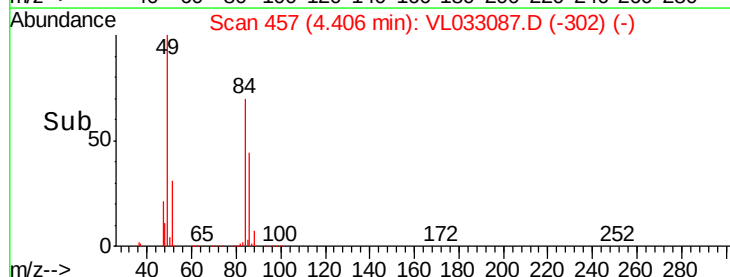
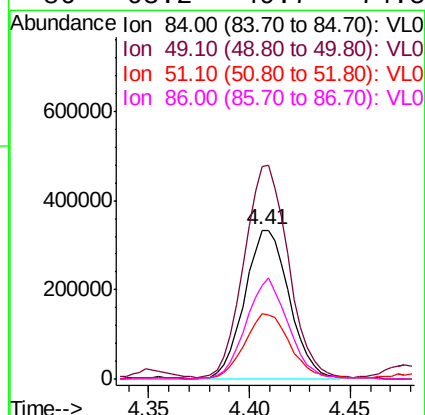
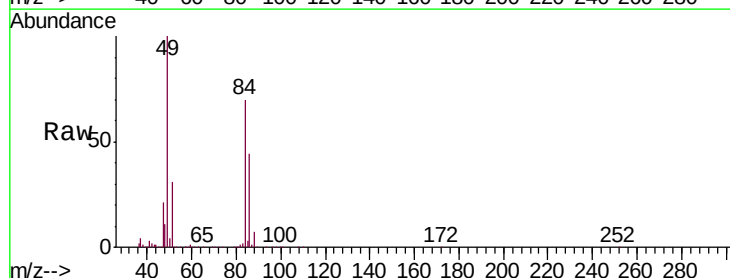
Ion Ratio Lower Upper

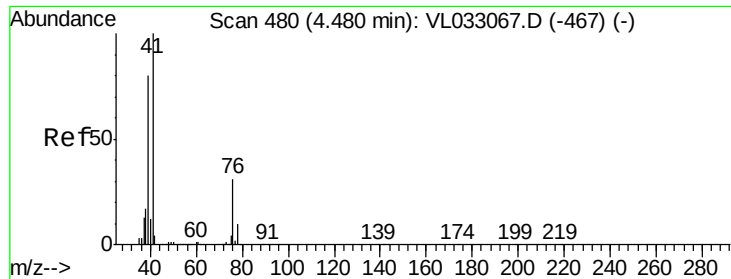
84 100

49 141.9 115.8 173.6

51 43.7 35.7 53.5

86 63.2 49.7 74.5

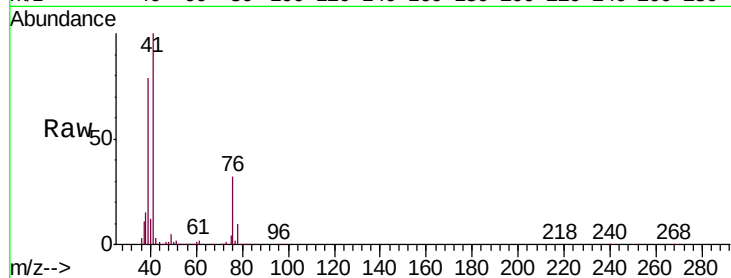




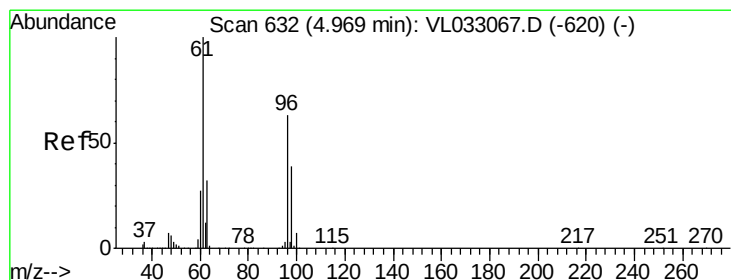
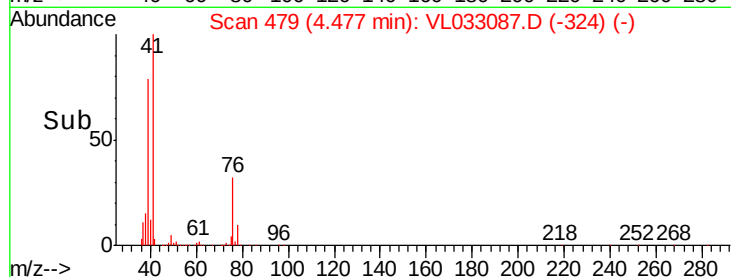
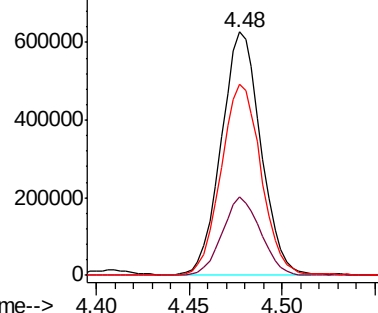
#21
 Allyl Chloride
 Concen: 9.619 ppbv
 RT: 4.48 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: VL033087.D
 Acq: 16 Jan 2019 9:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 932482
 Ion Ratio Lower Upper
 41 100
 76 31.5 24.6 36.8
 39 79.9 62.8 94.2

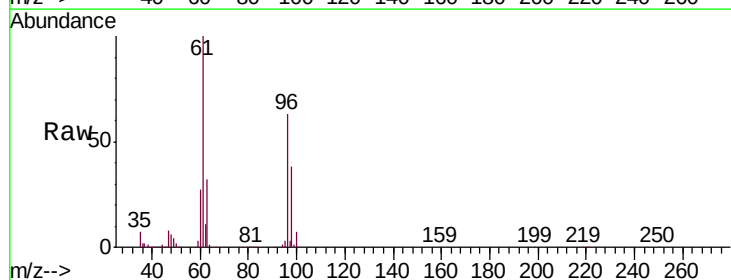


Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 76.10 (75.80 to 76.80): VL0
 Ion 39.10 (38.80 to 39.80): VL0

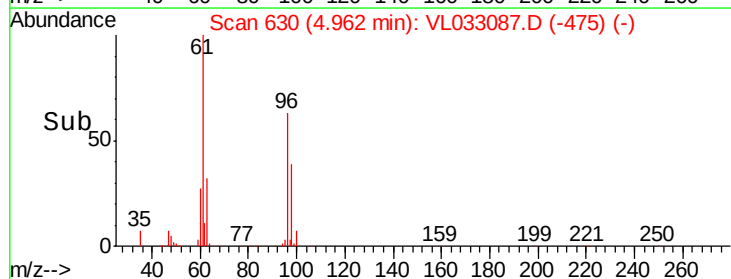
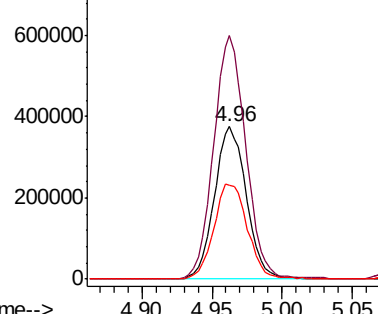


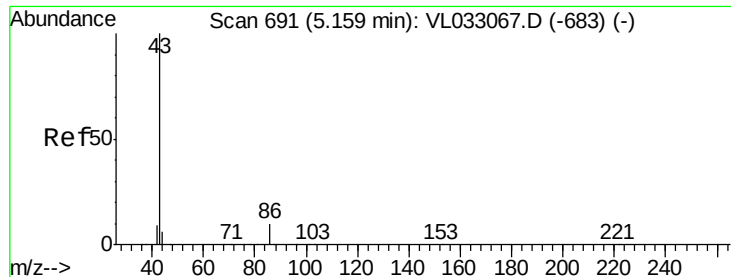
#22
 trans-1,2-Dichloroethene
 Concen: 8.898 ppbv
 RT: 4.96 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VL033087.D
 Acq: 16 Jan 2019 9:35

Tgt Ion: 96 Resp: 597099
 Ion Ratio Lower Upper
 96 100
 61 159.6 125.2 187.8
 98 61.2 50.9 76.3



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: 10.068 ppbv

RT: 5.16 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

Instrument :

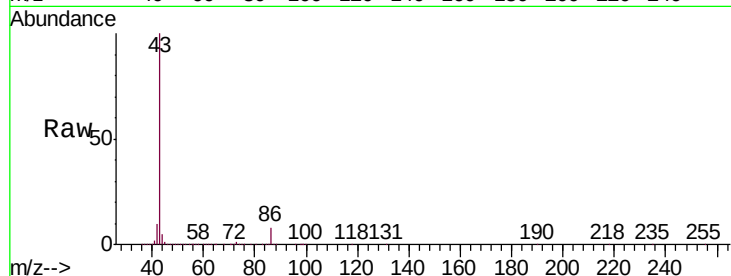
MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2003711

Ion	Ratio	Lower	Upper
43	100		
86	8.5	6.2	9.4
42	10.3	8.1	12.1
44	5.0	4.3	6.5

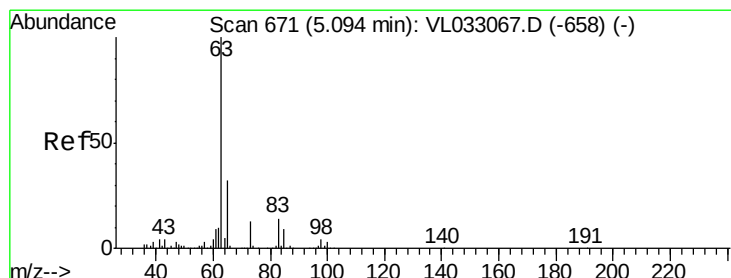
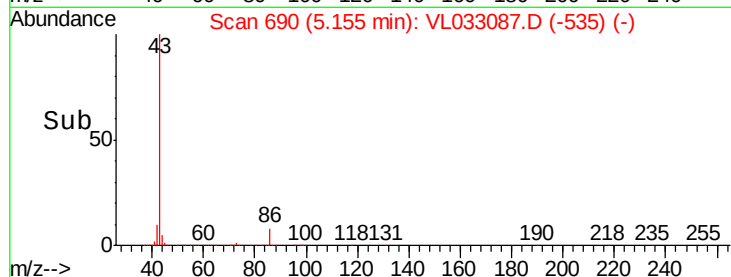


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.778 ppbv

RT: 5.09 min Scan# 670

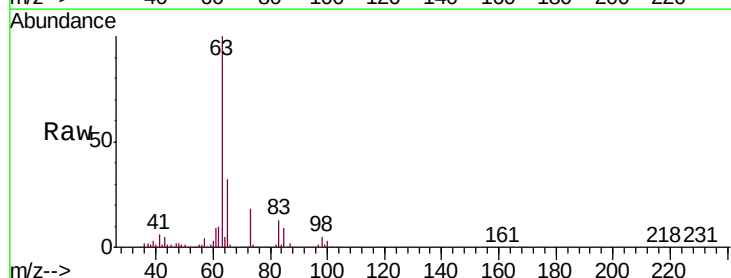
Delta R.T. -0.00 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

Tgt Ion: 63 Resp: 1483243

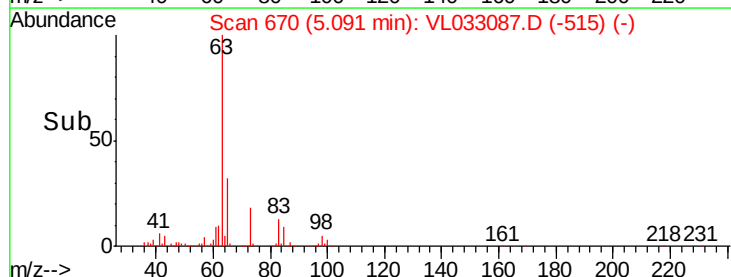
Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.4	7.2
100	2.8	1.4	4.0

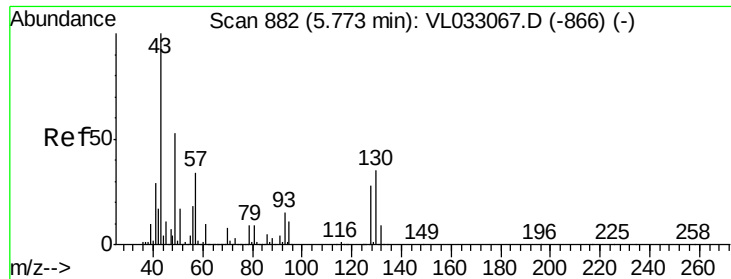


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



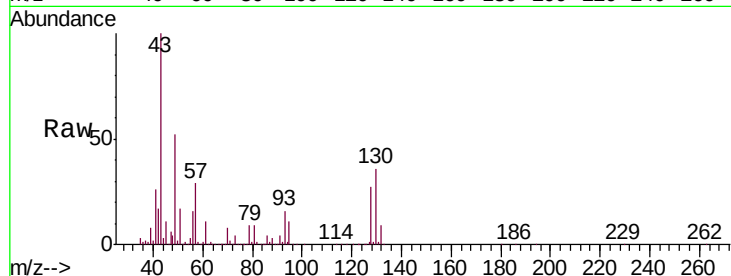


#25
Ethyl Acetate
Concen: 9.040 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033087.D
Acq: 16 Jan 2019 9:35

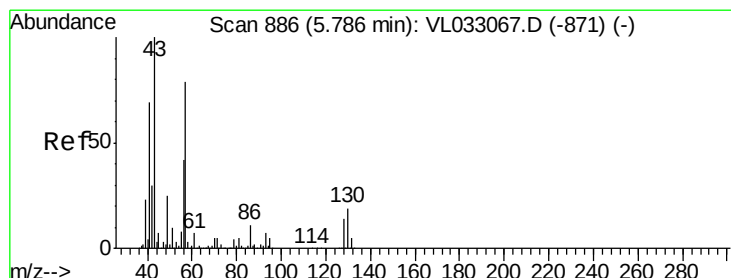
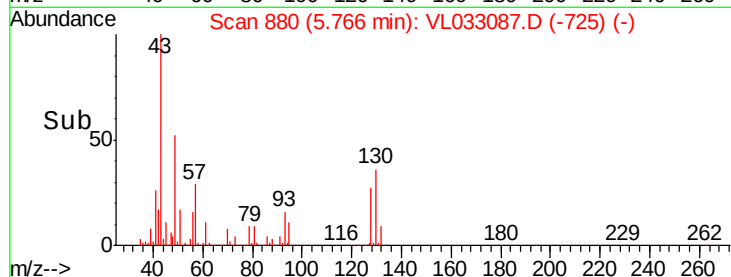
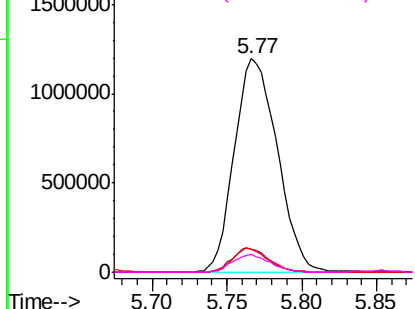
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2390473

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.4	7.8	11.8
70	7.4	6.0	9.0



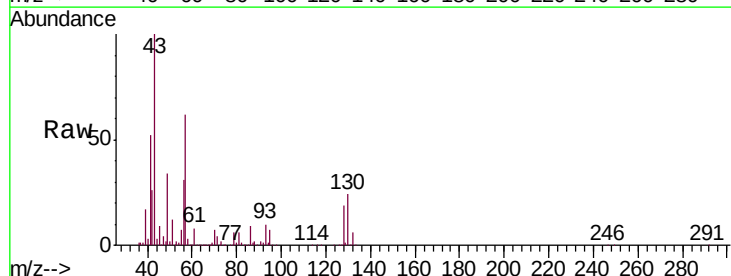
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



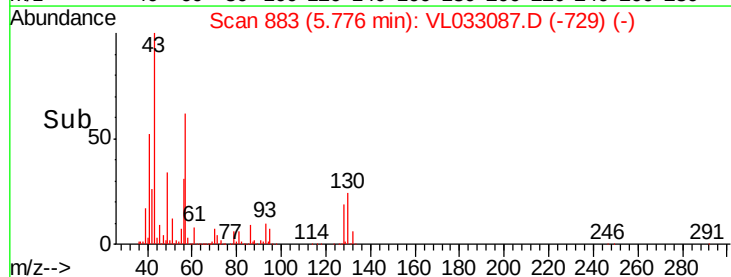
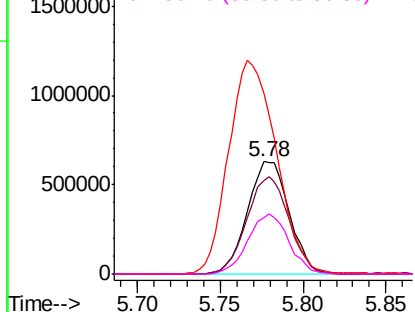
#26
Hexane
Concen: 8.867 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.01 min
Lab File: VL033087.D
Acq: 16 Jan 2019 9:35

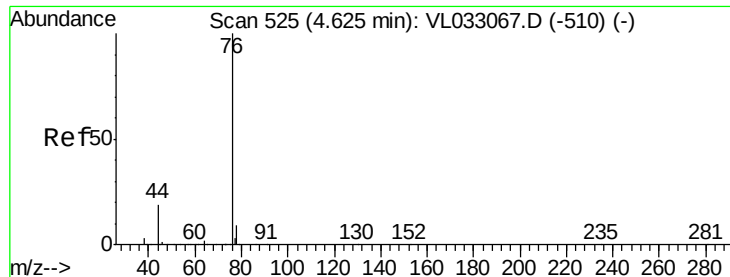
Tgt Ion: 57 Resp: 1104089

Ion	Ratio	Lower	Upper
57	100		
41	87.6	70.8	106.2
43	217.7	171.8	257.6
56	52.3	41.9	62.9



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: 9.998 ppbv

RT: 4.62 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

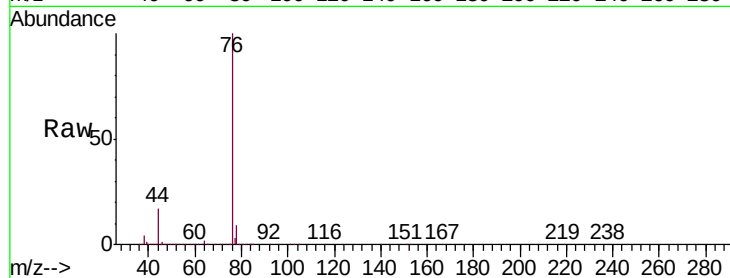
Tgt Ion: 76 Resp: 1535261

Ion Ratio Lower Upper

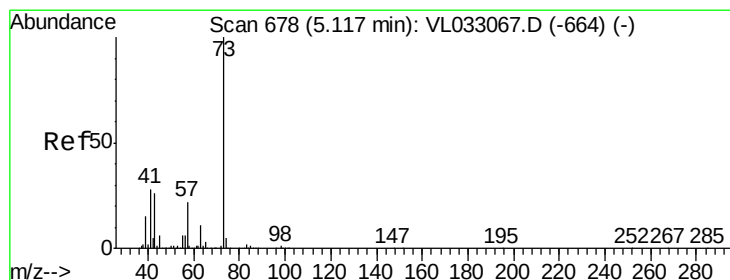
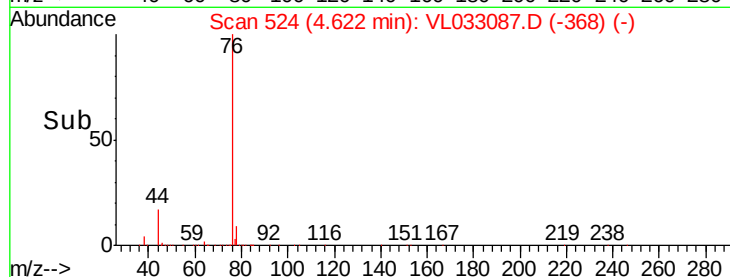
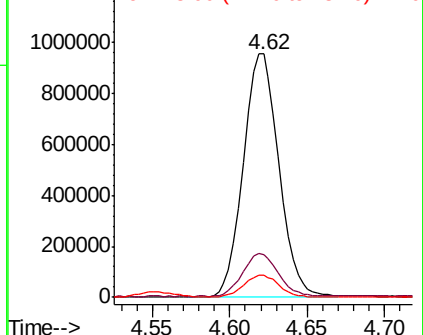
76 100

44 18.1 13.9 20.9

78 9.2 7.3 10.9



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: 9.585 ppbv

RT: 5.11 min Scan# 677

Delta R.T. 0.00 min

Lab File: VL033087.D

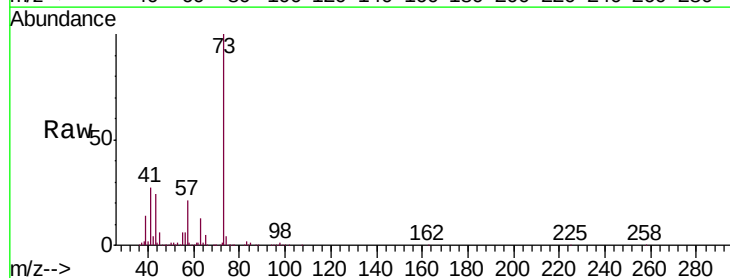
Acq: 16 Jan 2019 9:35

Tgt Ion: 73 Resp: 1862921

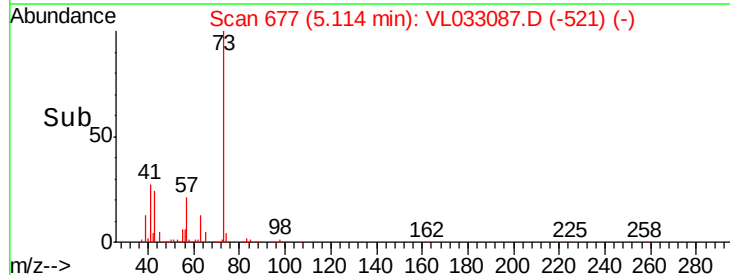
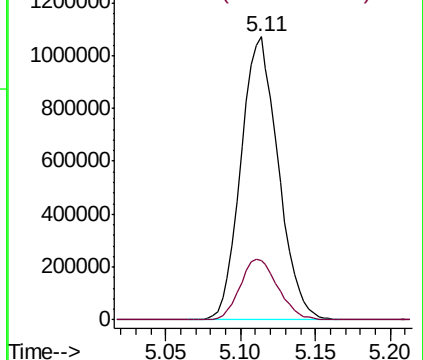
Ion Ratio Lower Upper

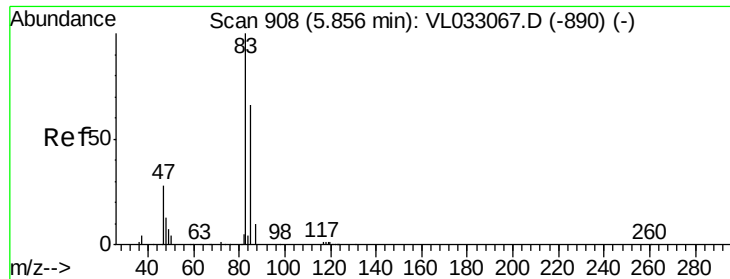
73 100

57 21.8 17.5 26.3



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

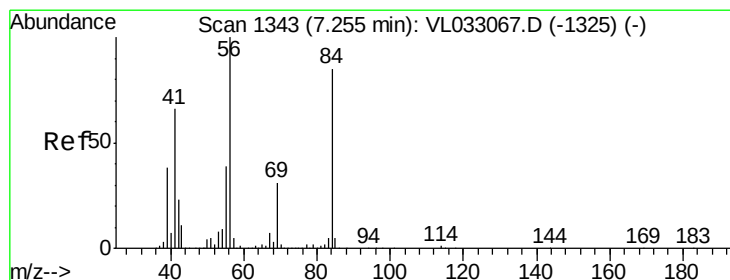
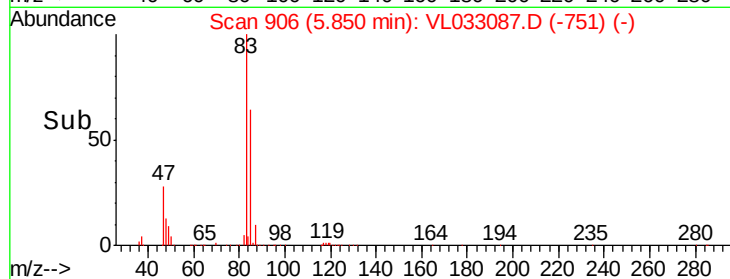
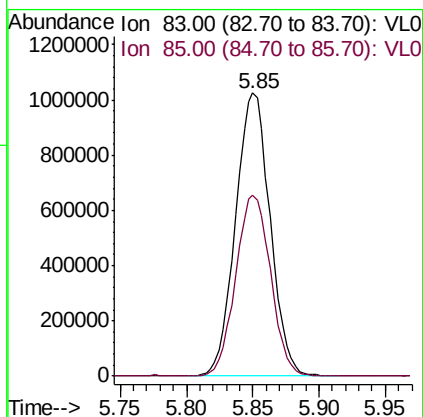
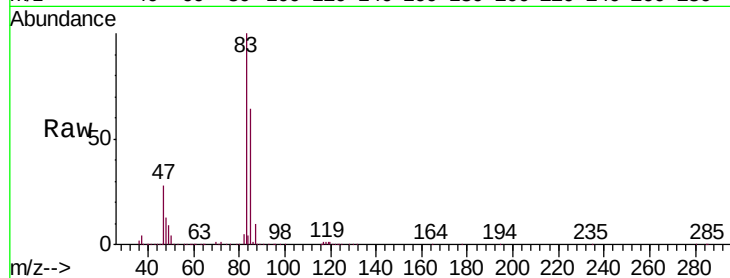




#29
Chloroform
Concen: 8.739 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033087.D
Acq: 16 Jan 2019 9:35

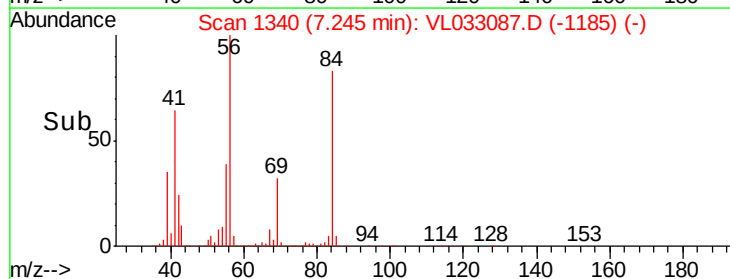
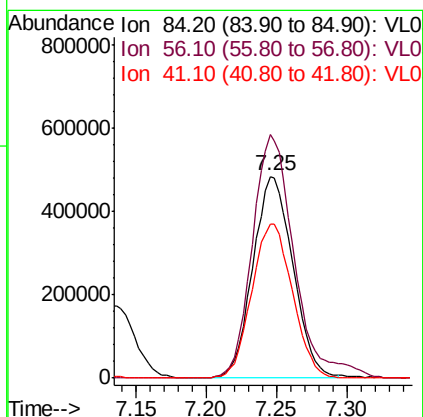
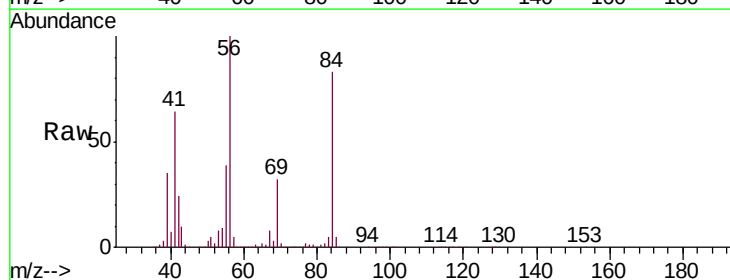
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

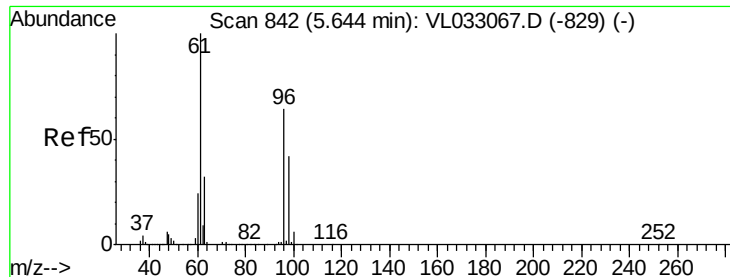
Tgt Ion: 83 Resp: 1854444
Ion Ratio Lower Upper
83 100
85 63.7 52.5 78.7



#30
Cyclohexane
Concen: 10.344 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033087.D
Acq: 16 Jan 2019 9:35

Tgt Ion: 84 Resp: 960376
Ion Ratio Lower Upper
84 100
56 126.9 101.8 152.6
41 78.1 63.2 94.8



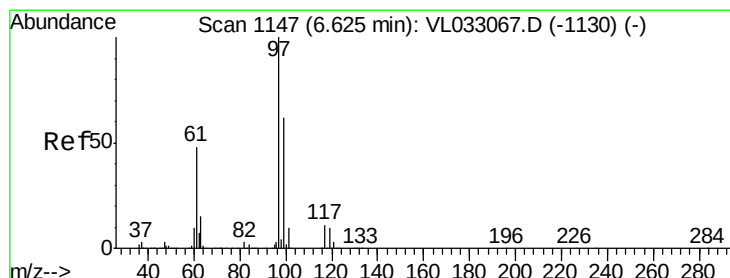
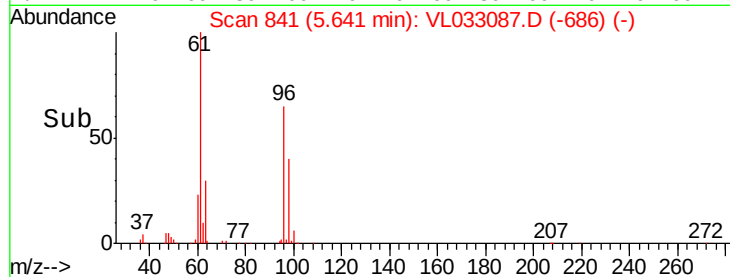
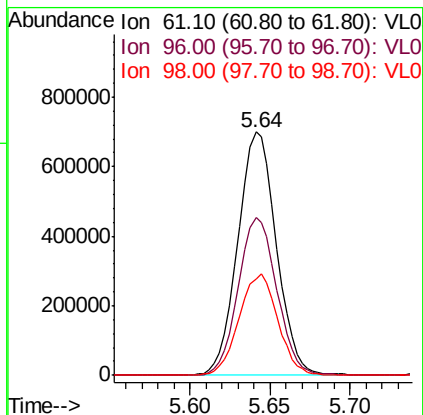
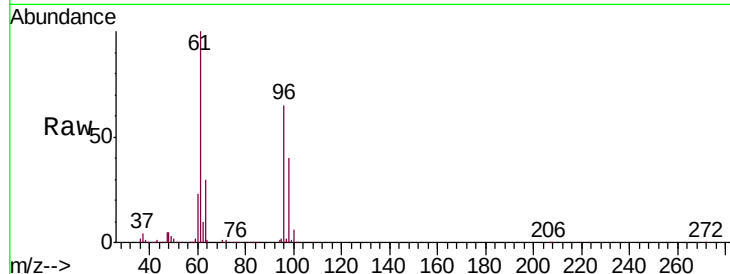


#31

cis-1,2-Dichloroethene
 Concen: 9.911 ppbv
 RT: 5.64 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: VL033087.D
 Acq: 16 Jan 2019 9:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

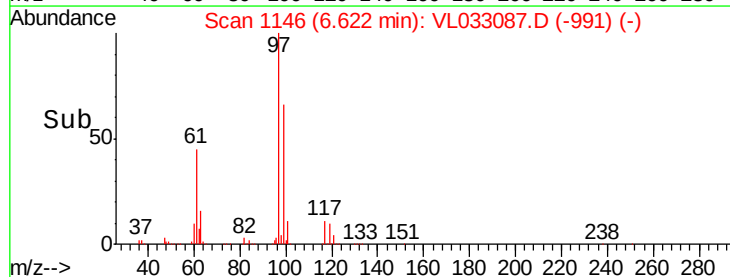
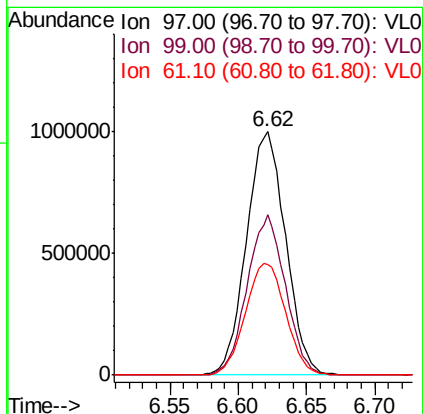
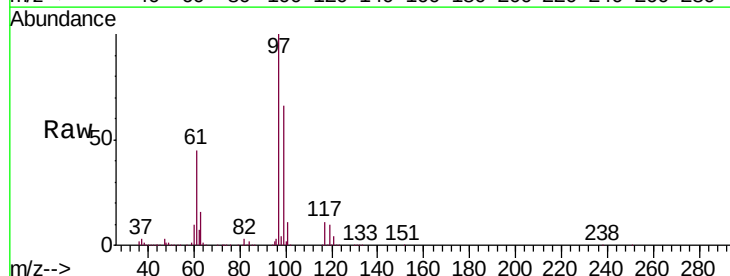
Tgt Ion: 61 Resp: 1145901
 Ion Ratio Lower Upper
 61 100
 96 64.8 52.8 79.2
 98 39.6 33.8 50.6

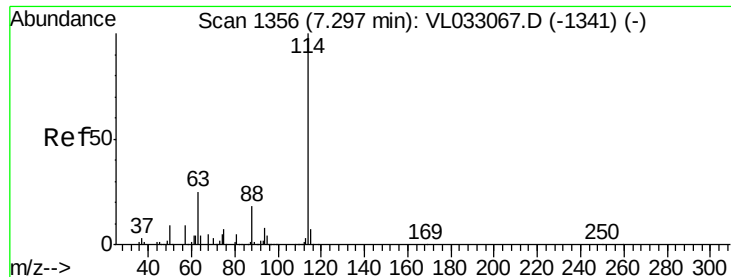


#32

1,1,1-Trichloroethane
 Concen: 9.263 ppbv
 RT: 6.62 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VL033087.D
 Acq: 16 Jan 2019 9:35

Tgt Ion: 97 Resp: 1994934
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.1 76.7
 61 47.4 38.3 57.5

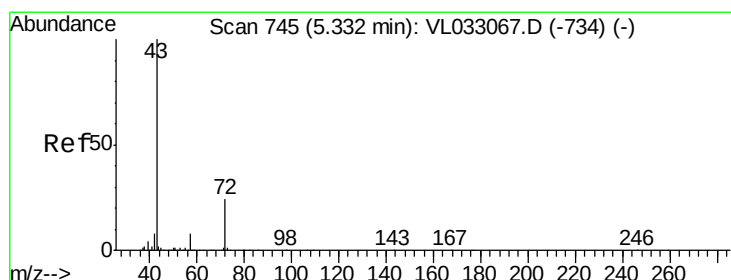
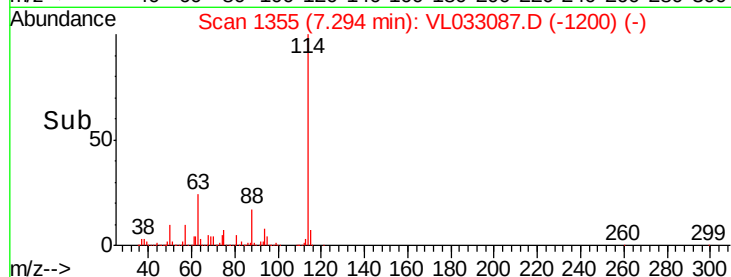
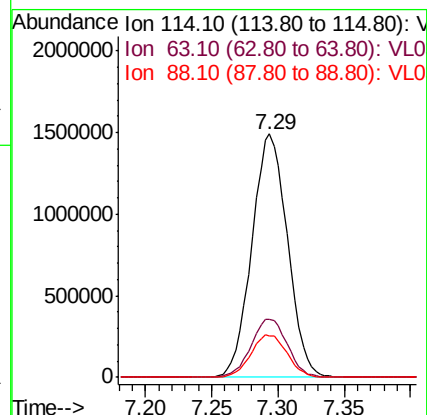
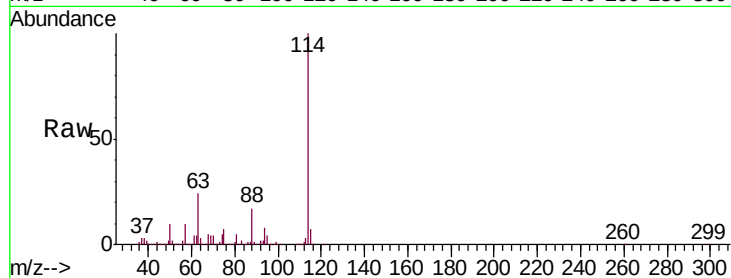




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.00 min
 Lab File: VL033087.D
 Acq: 16 Jan 2019 9:35

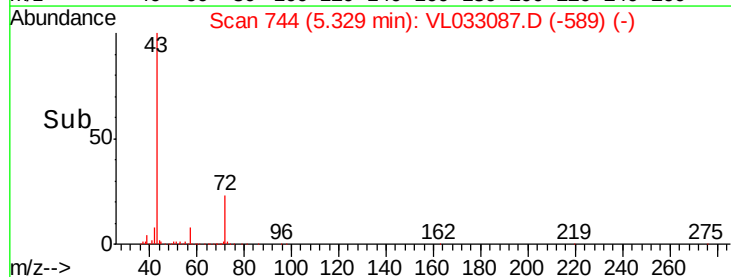
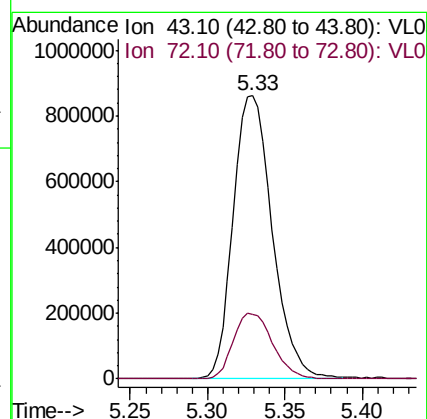
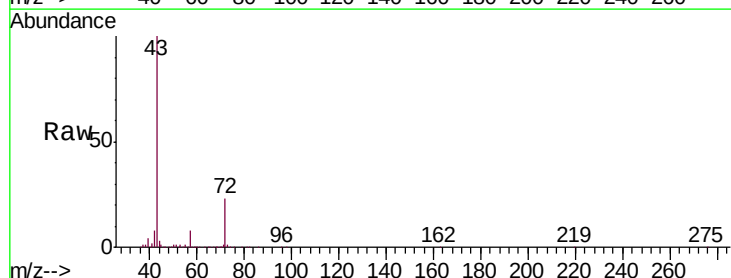
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

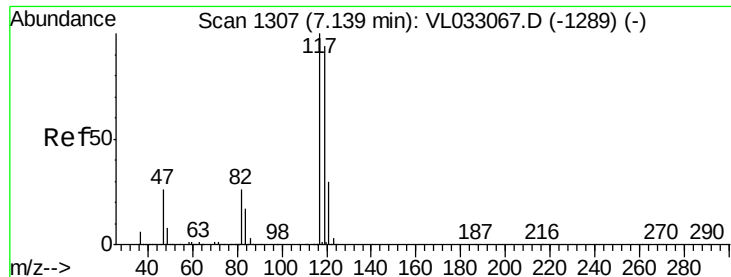
Tgt Ion: 114 Resp: 2794440
 Ion Ratio Lower Upper
 114 100
 63 24.9 20.1 30.1
 88 17.7 14.0 21.0



#34
 2-Butanone
 Concen: 9.289 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. -0.00 min
 Lab File: VL033087.D
 Acq: 16 Jan 2019 9:35

Tgt Ion: 43 Resp: 1508279
 Ion Ratio Lower Upper
 43 100
 72 23.6 18.9 28.3





#35

Carbon Tetrachloride

Concen: 9.059 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

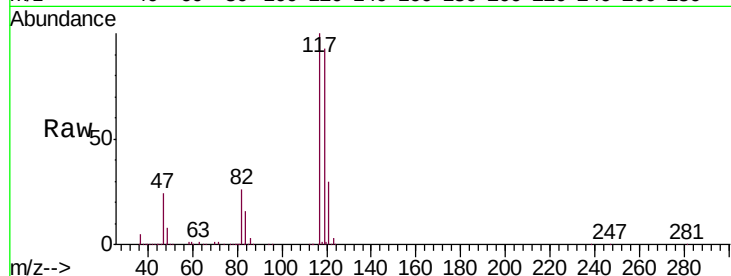
Tgt Ion:117 Resp: 2174302

Ion Ratio Lower Upper

117 100

119 92.7 76.5 114.7

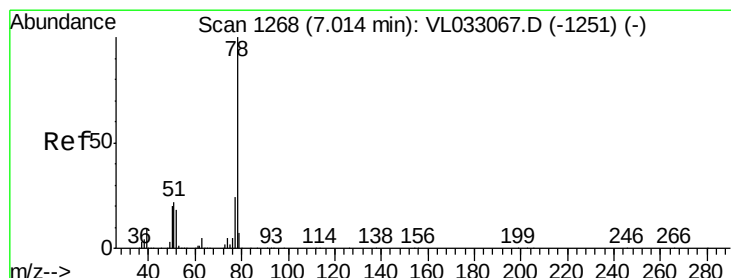
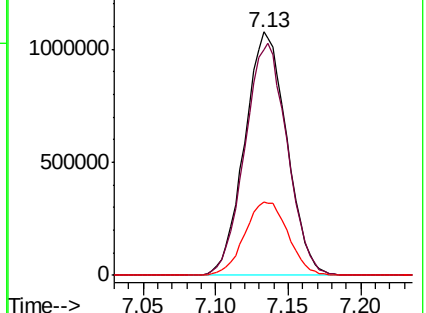
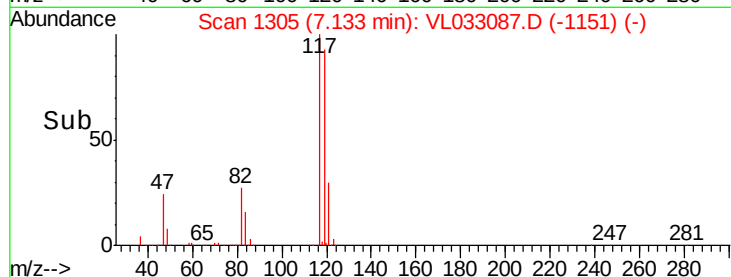
121 29.9 25.2 37.8



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: 9.705 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

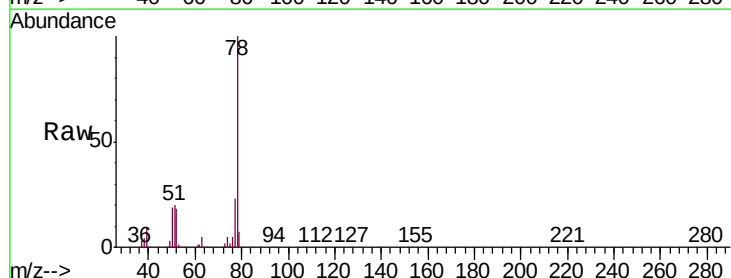
Tgt Ion: 78 Resp: 2221466

Ion Ratio Lower Upper

78 100

77 22.8 18.5 27.7

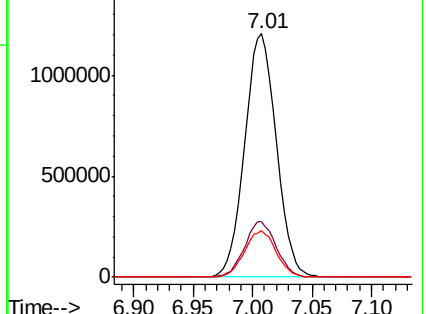
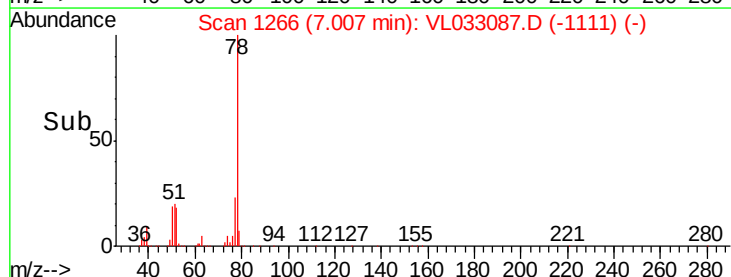
50 19.3 15.7 23.5

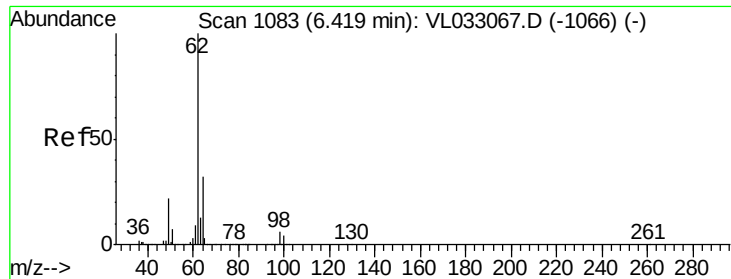


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

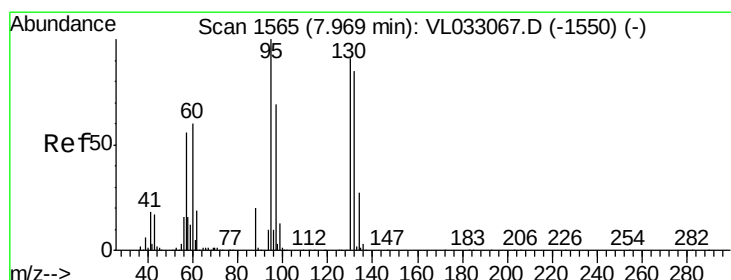
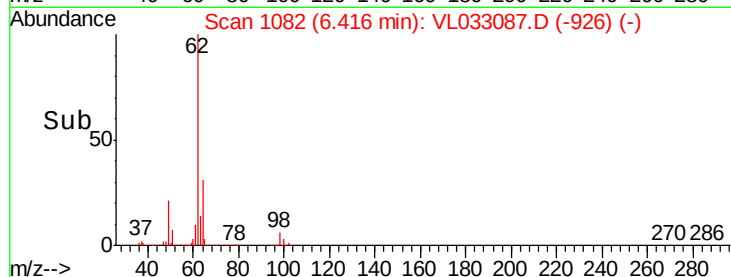
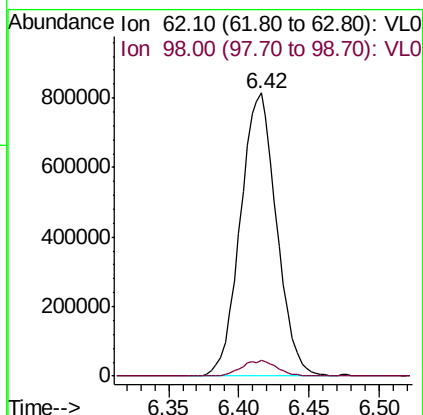
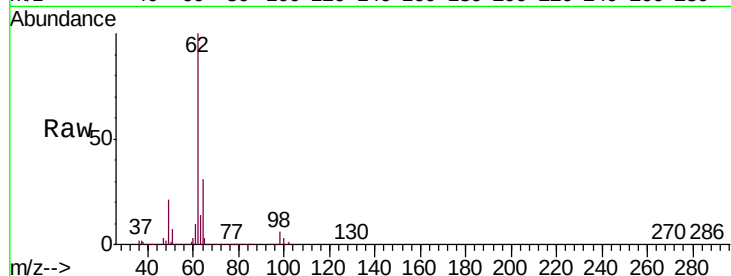




#37
 1,2-Dichloroethane
 Concen: 9.165 ppbv
 RT: 6.42 min Scan# 1082
 Delta R.T. 0.00 min
 Lab File: VL033087.D
 Acq: 16 Jan 2019 9:35

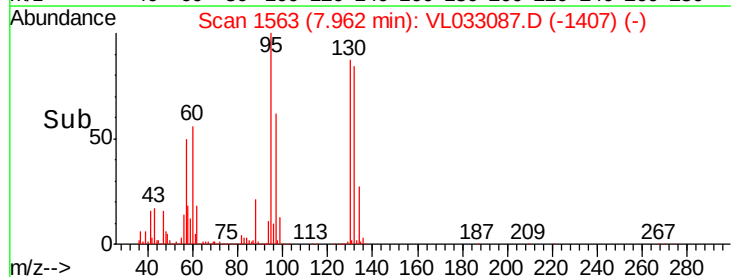
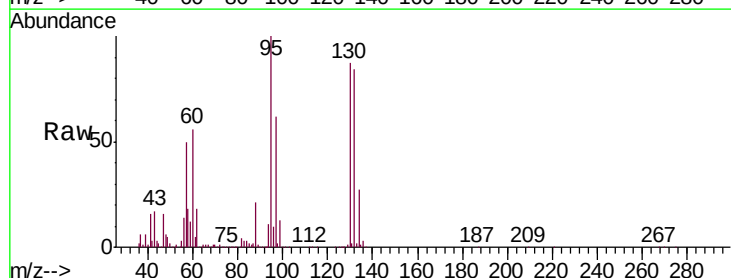
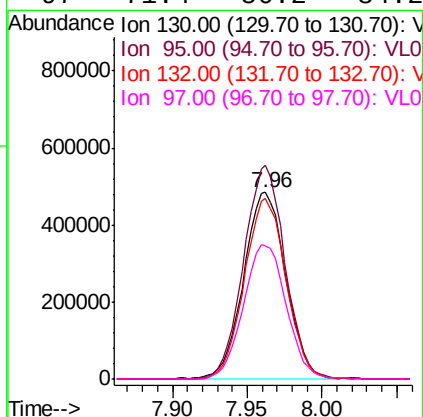
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

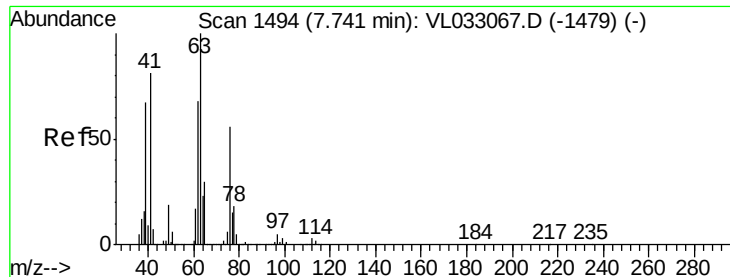
Tgt Ion: 62 Resp: 1464758
 Ion Ratio Lower Upper
 62 100
 98 5.4 4.6 7.0



#38
 Trichloroethene
 Concen: 10.006 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VL033087.D
 Acq: 16 Jan 2019 9:35

Tgt Ion: 130 Resp: 942221
 Ion Ratio Lower Upper
 130 100
 95 114.7 88.6 132.8
 132 96.8 74.2 111.2
 97 71.4 56.2 84.2





#39

1,2-Dichloropropane

Concen: 9.610 ppbv

RT: 7.74 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

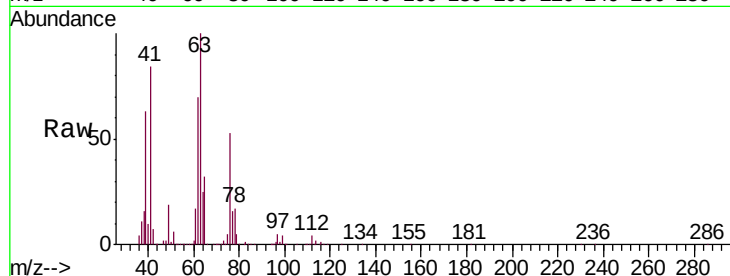
Tgt Ion: 63 Resp: 826372

Ion Ratio Lower Upper

63 100

41 84.2 61.9 92.9

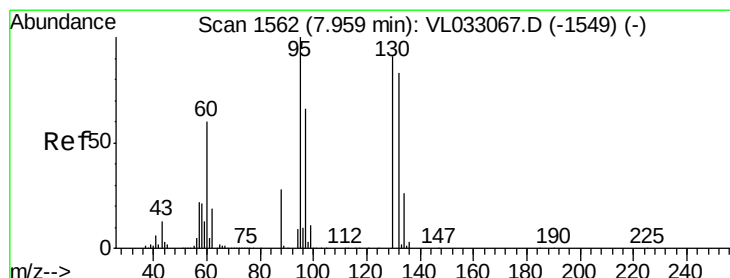
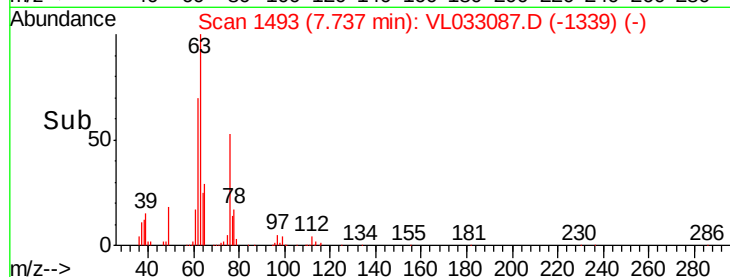
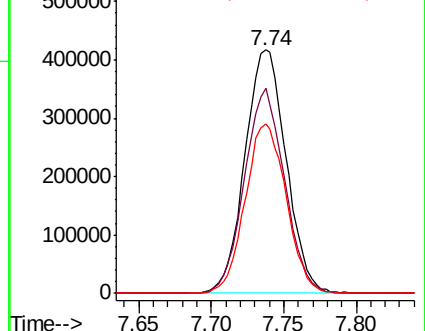
62 69.6 55.8 83.6



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.747 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

Tgt Ion: 88 Resp: 318167

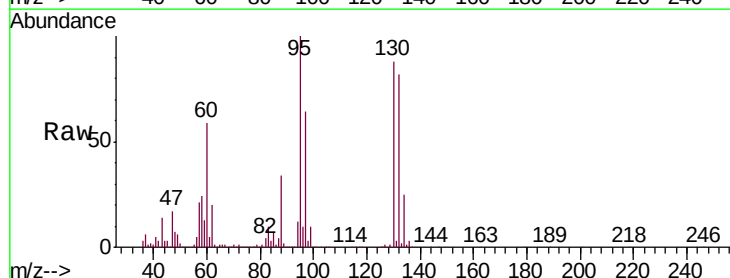
Ion Ratio Lower Upper

88 100

58 126.6 101.9 152.9

43 262.5 212.6 319.0

57 1177.2 963.8 1445.6

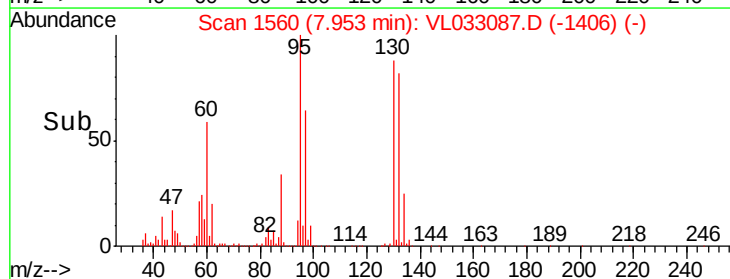
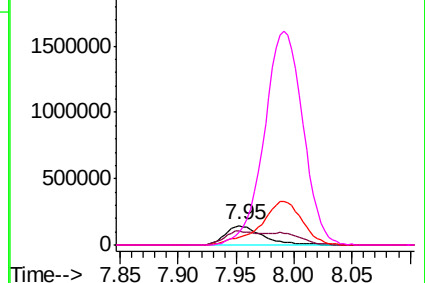


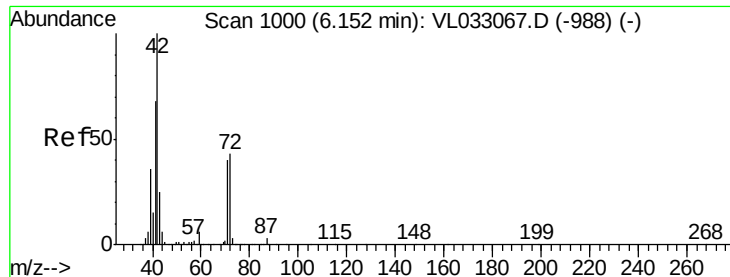
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.219 ppbv

RT: 6.15 min Scan# 998

Delta R.T. -0.01 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

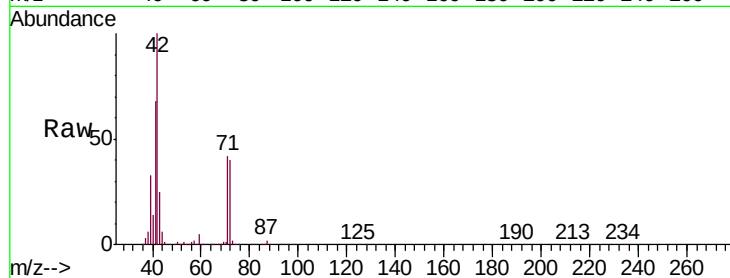
Tgt Ion: 42 Resp: 844540

Ion Ratio Lower Upper

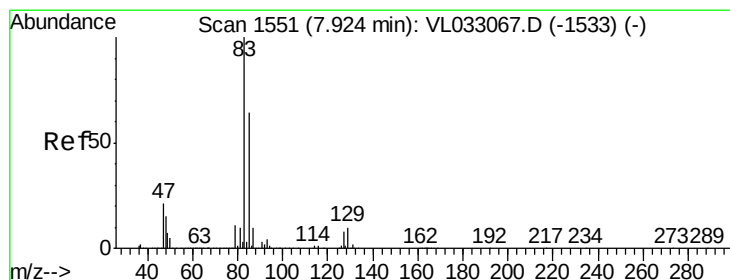
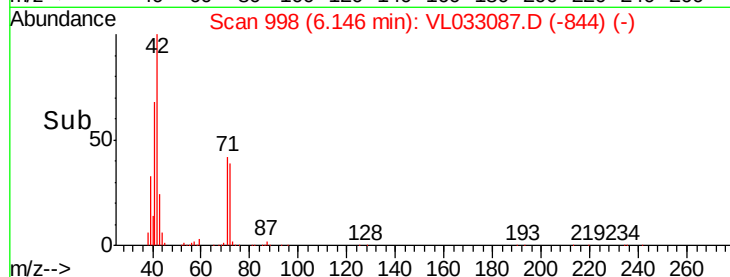
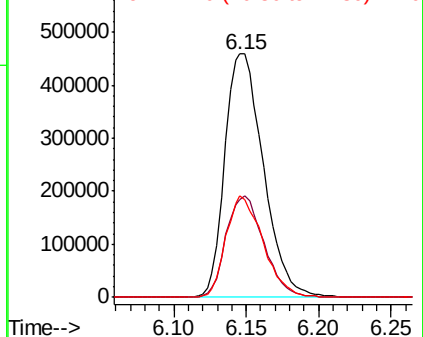
42 100

72 41.3 32.9 49.3

71 40.3 31.8 47.6



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.220 ppbv

RT: 7.92 min Scan# 1549

Delta R.T. -0.01 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

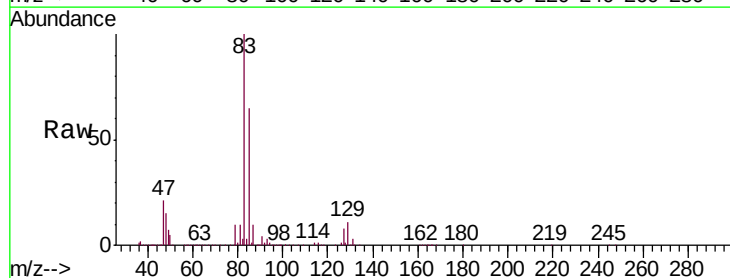
Tgt Ion: 83 Resp: 2024257

Ion Ratio Lower Upper

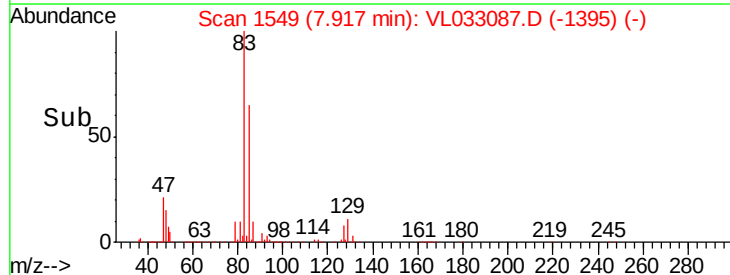
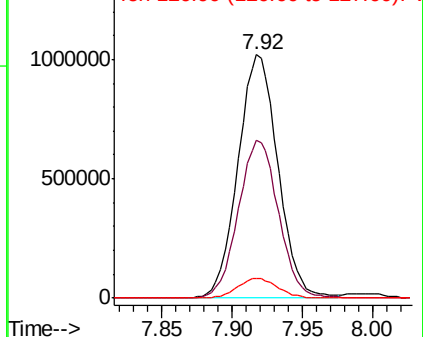
83 100

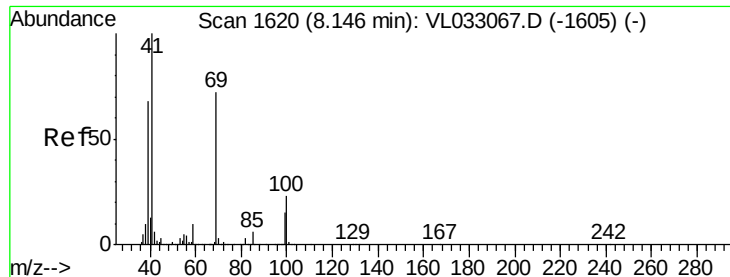
85 65.0 51.0 76.4

127 8.0 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

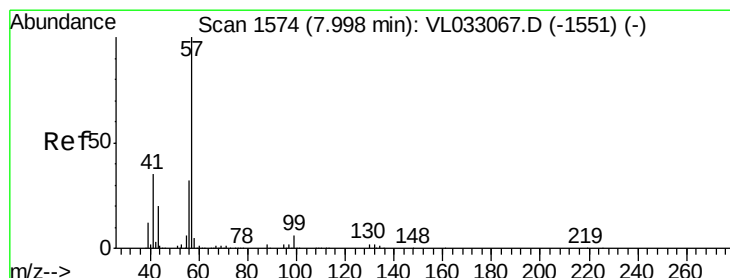
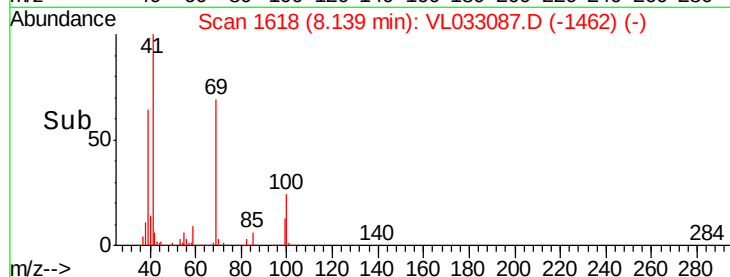
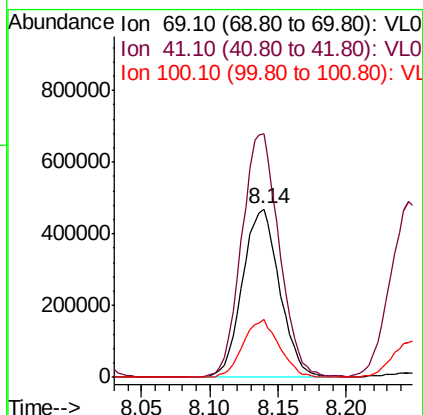
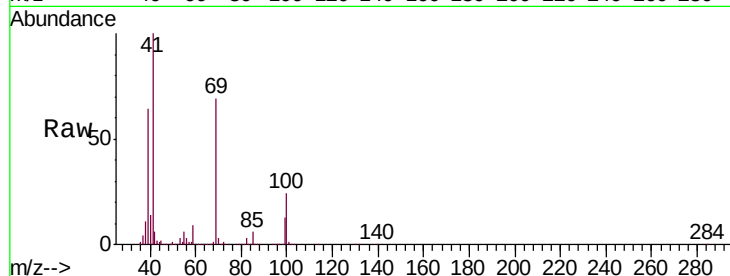




#43
Methyl Methacrylate
Concen: 10.338 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VL033087.D
Acq: 16 Jan 2019 9:35

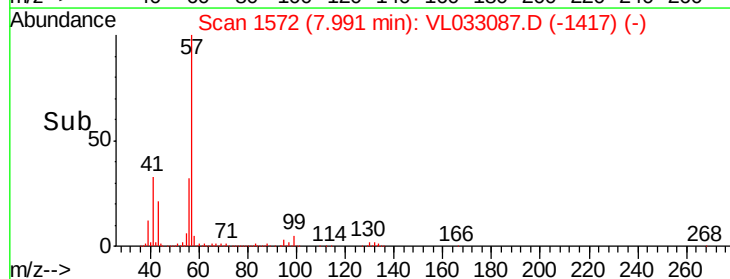
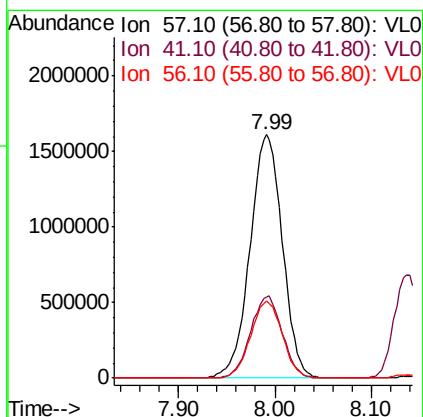
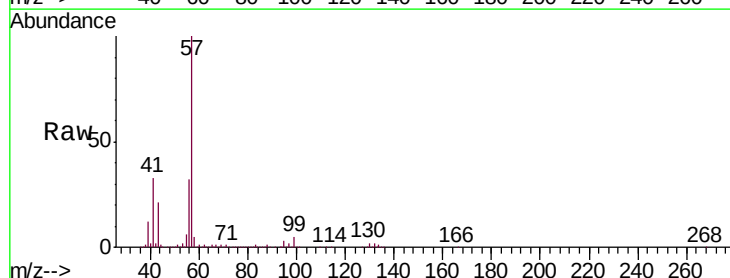
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

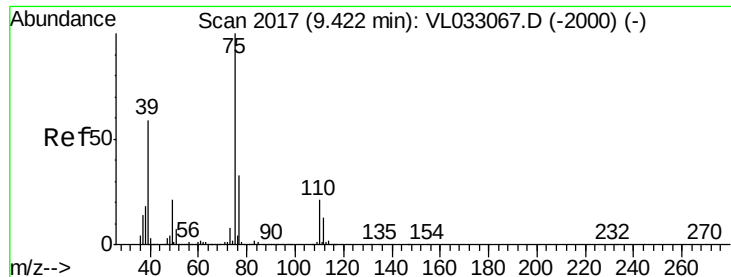
Tgt Ion: 69 Resp: 887930
Ion Ratio Lower Upper
69 100
41 146.7 114.0 171.0
100 33.4 26.3 39.5



#44
2,2,4-Trimethylpentane
Concen: 9.656 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033087.D
Acq: 16 Jan 2019 9:35

Tgt Ion: 57 Resp: 3743324
Ion Ratio Lower Upper
57 100
41 33.1 26.2 39.2
56 31.1 24.9 37.3

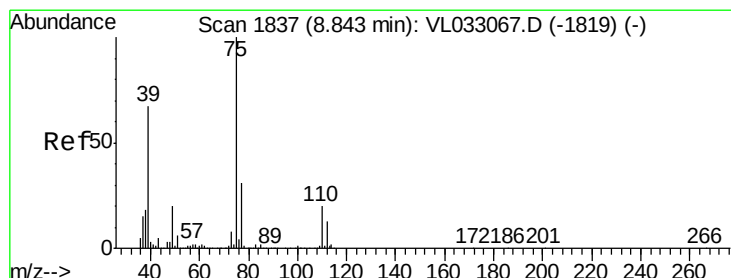
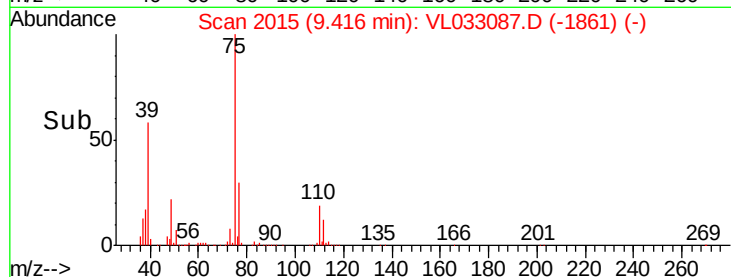
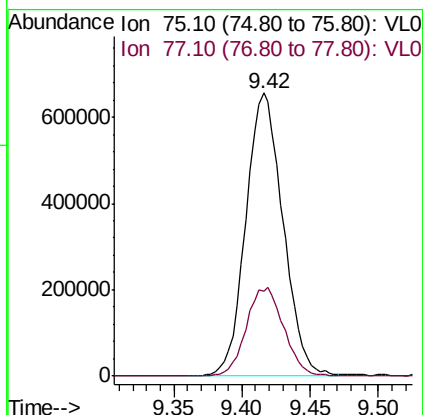
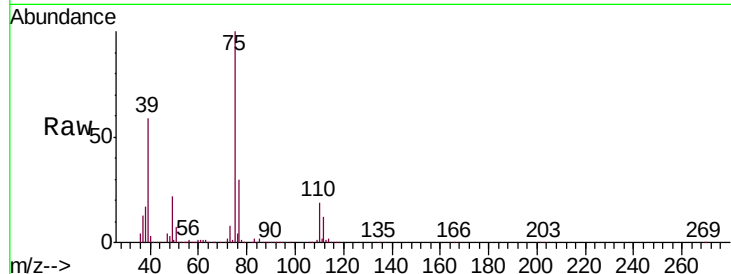




#45
t-1,3-Dichloropropene
Concen: 11.595 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. -0.01 min
Lab File: VL033087.D
Acq: 16 Jan 2019 9:35

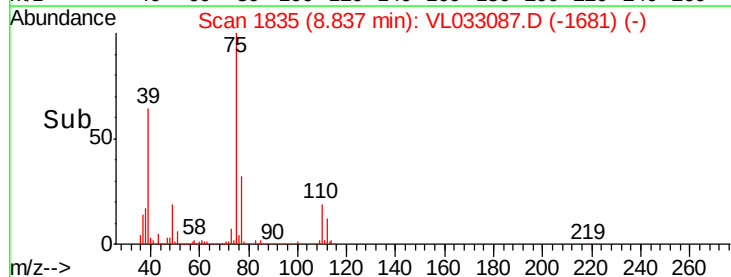
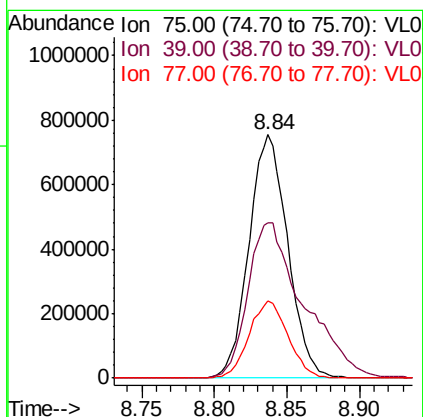
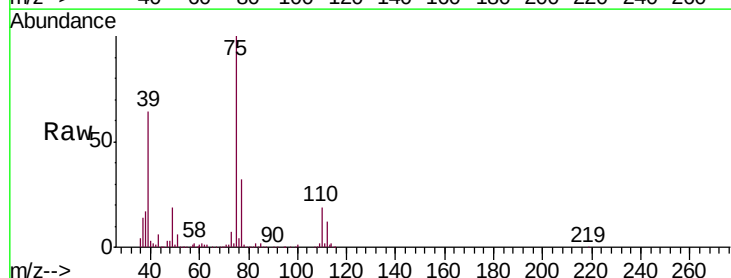
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

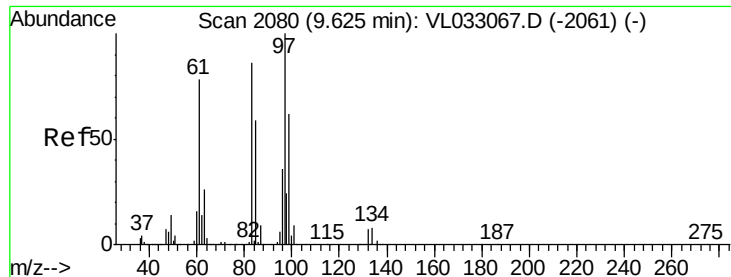
Tgt Ion: 75 Resp: 1239729
Ion Ratio Lower Upper
75 100
77 30.0 24.8 37.2



#46
cis-1,3-Dichloropropene
Concen: 11.512 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. -0.01 min
Lab File: VL033087.D
Acq: 16 Jan 2019 9:35

Tgt Ion: 75 Resp: 1404752
Ion Ratio Lower Upper
75 100
39 63.8 51.3 76.9
77 31.7 25.5 38.3

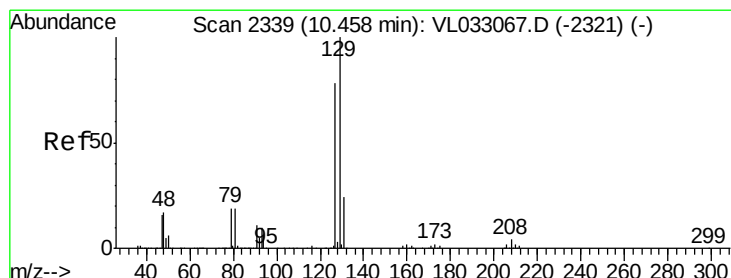
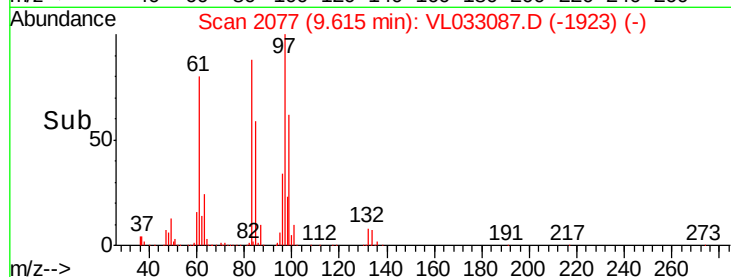
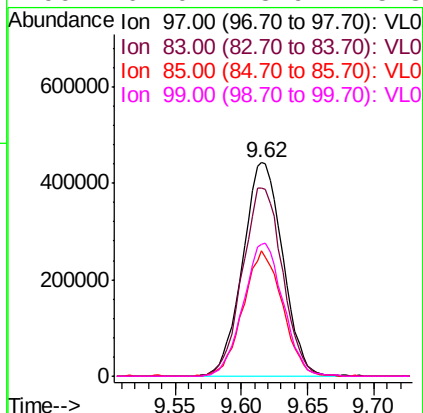
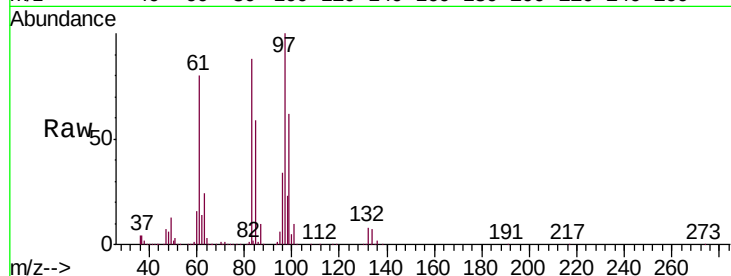




#47
 1,1,2-Trichloroethane
 Concen: 9.267 ppbv
 RT: 9.62 min Scan# 2077
 Delta R.T. -0.01 min
 Lab File: VL033087.D
 Acq: 16 Jan 2019 9:35

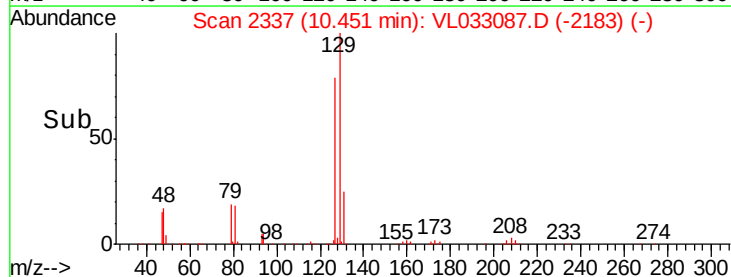
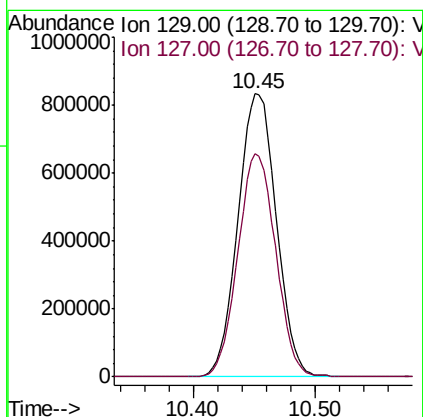
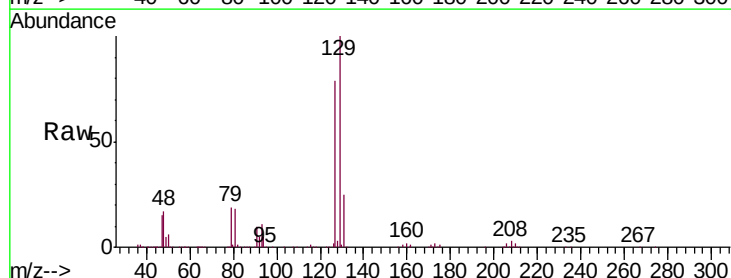
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

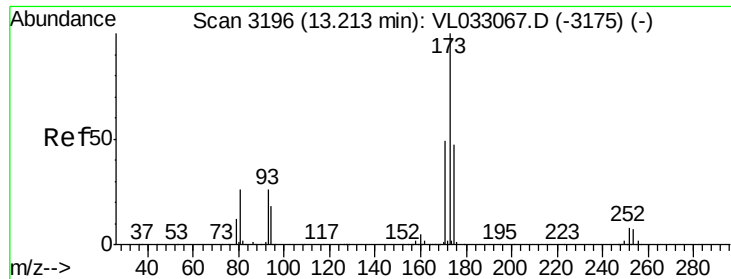
Tgt Ion:	97	Resp:	931057
Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.4	104.2
85	58.7	44.2	66.2
99	62.0	48.9	73.3



#48
 Dibromochloromethane
 Concen: 10.206 ppbv
 RT: 10.45 min Scan# 2337
 Delta R.T. -0.01 min
 Lab File: VL033087.D
 Acq: 16 Jan 2019 9:35

Tgt Ion:	129	Resp:	1811621
Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.1	117.3





#49

Bromoform

Concen: 10.011 ppbv

RT: 13.20 min Scan# 3193

Delta R.T. -0.01 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

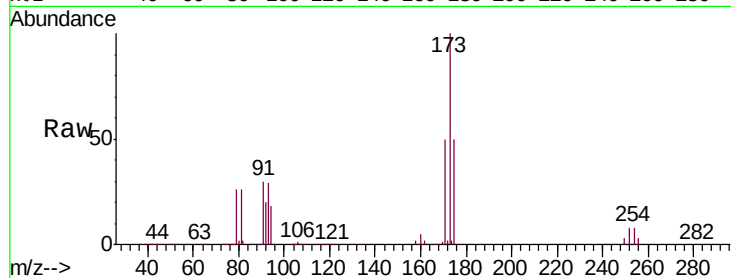
Tgt Ion:173 Resp: 1552611

Ion Ratio Lower Upper

173 100

175 48.9 39.4 59.2

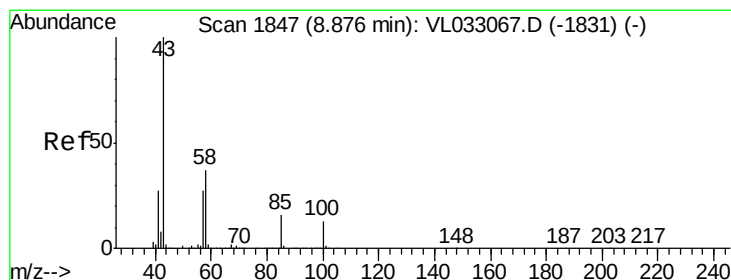
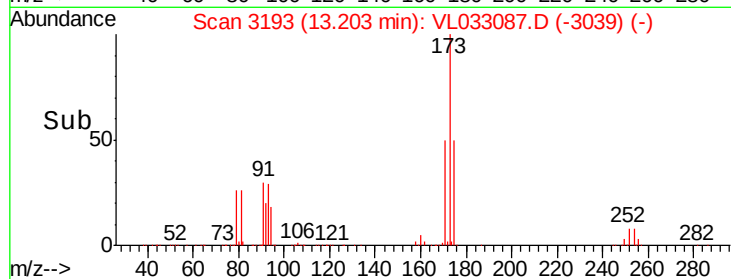
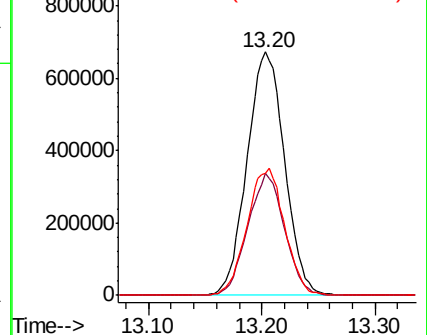
171 52.3 42.1 63.1



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: 10.236 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. -0.00 min

Lab File: VL033087.D

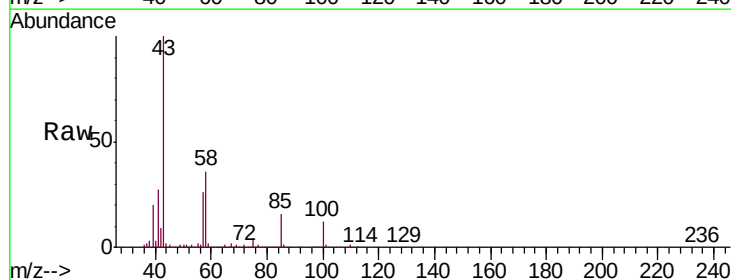
Acq: 16 Jan 2019 9:35

Tgt Ion: 43 Resp: 2105844

Ion Ratio Lower Upper

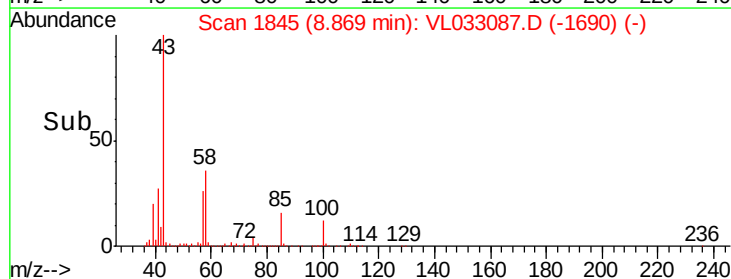
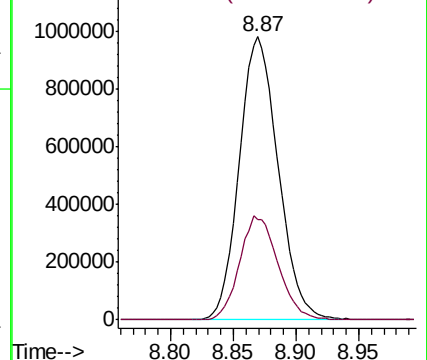
43 100

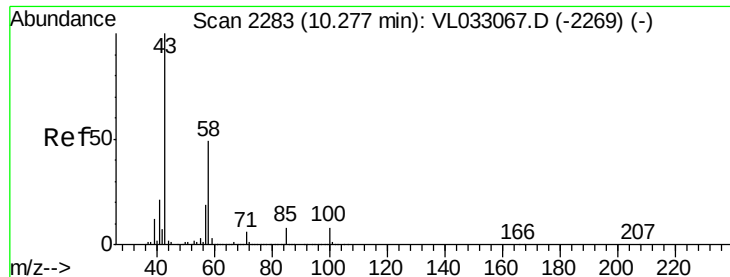
58 36.4 28.9 43.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

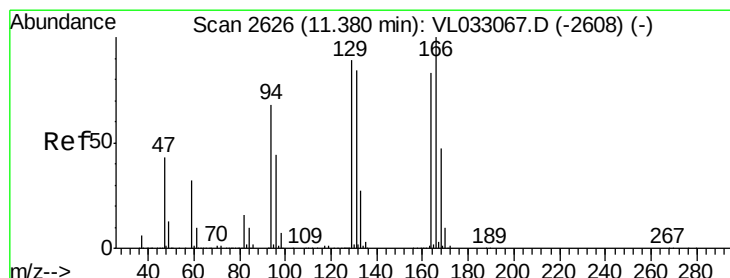
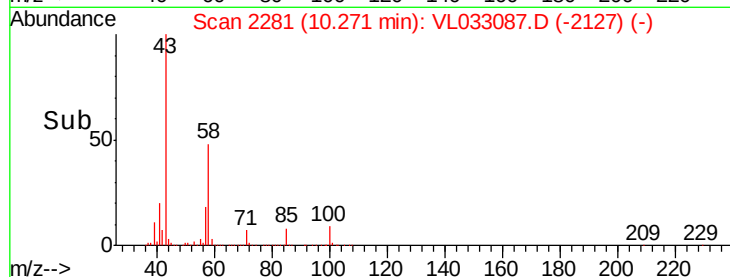
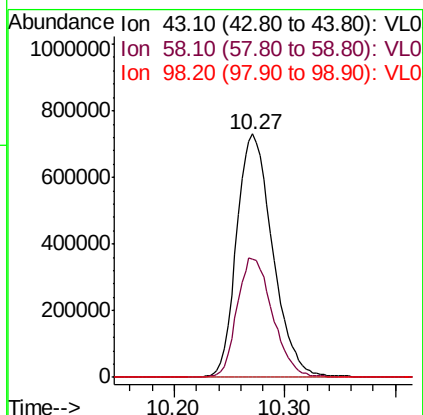
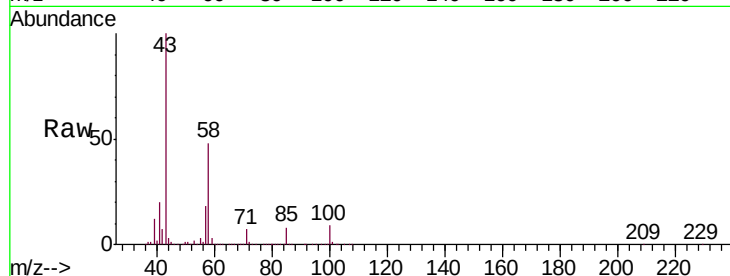




#51
2-Hexanone
Concen: 11.089 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.01 min
Lab File: VL033087.D
Acq: 16 Jan 2019 9:35

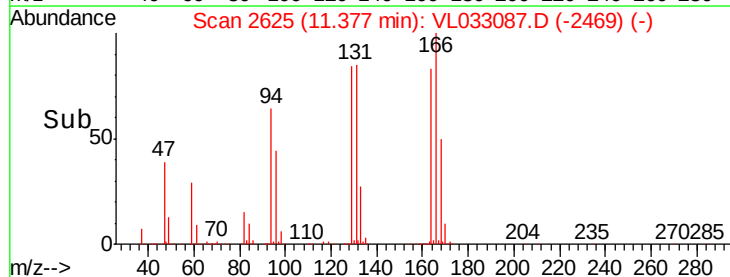
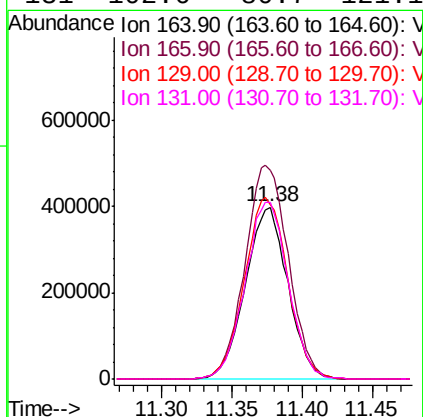
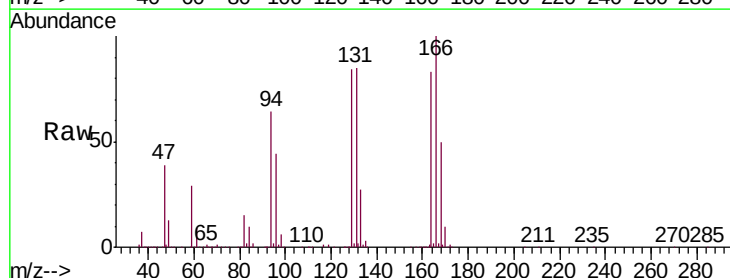
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

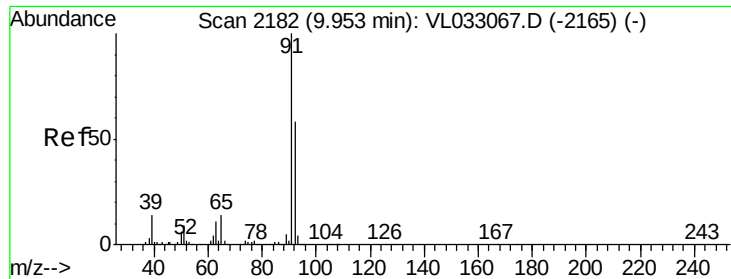
Tgt Ion: 43 Resp: 1650701
Ion Ratio Lower Upper
43 100
58 48.6 39.0 58.6
98 0.5 0.4 0.6



#52
Tetrachloroethene
Concen: 10.330 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. 0.00 min
Lab File: VL033087.D
Acq: 16 Jan 2019 9:35

Tgt Ion: 164 Resp: 835817
Ion Ratio Lower Upper
164 100
166 121.0 100.8 151.2
129 101.5 84.6 126.8
131 102.6 80.7 121.1





#53

Toluene

Concen: 10.761 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

Instrument :

MSVOA_L

ClientSampleId :

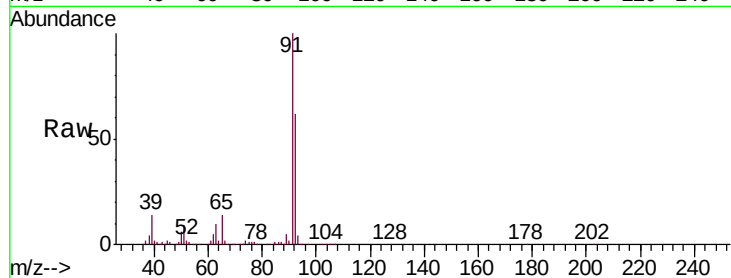
VSTDCCC010

Tgt Ion: 91 Resp: 2639917

Ion Ratio Lower Upper

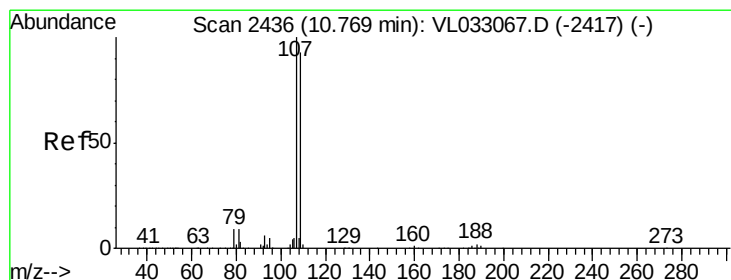
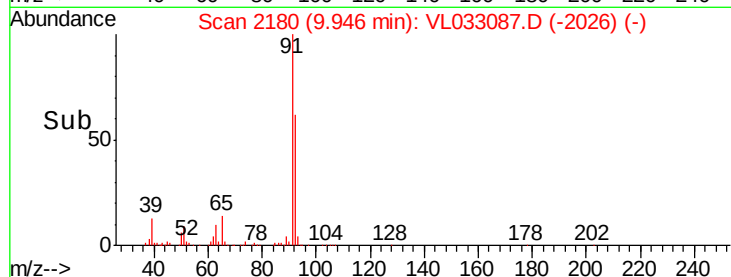
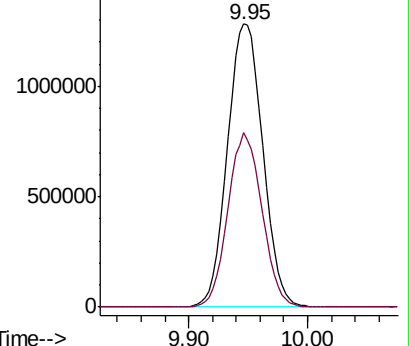
91 100

92 59.5 47.7 71.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.246 ppbv

RT: 10.76 min Scan# 2434

Delta R.T. -0.00 min

Lab File: VL033087.D

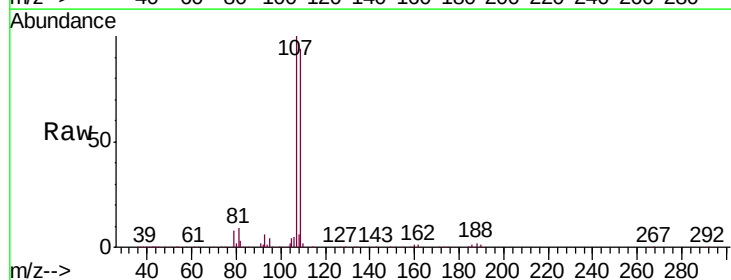
Acq: 16 Jan 2019 9:35

Tgt Ion: 107 Resp: 1483104

Ion Ratio Lower Upper

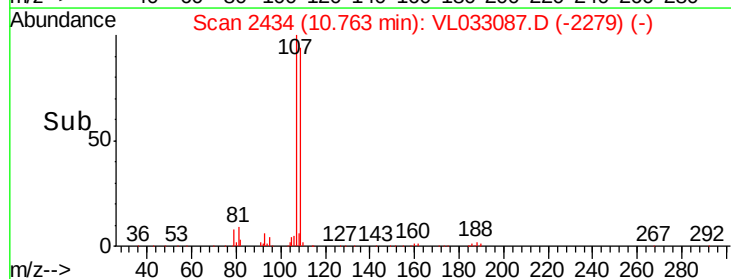
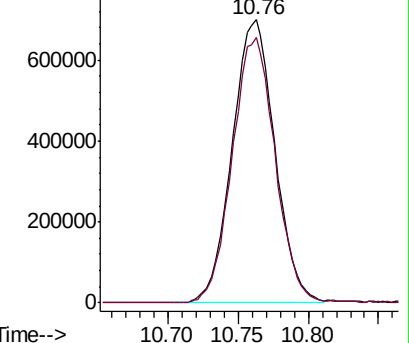
107 100

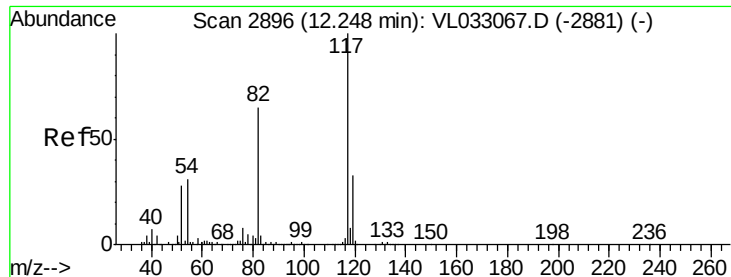
109 93.7 74.9 112.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

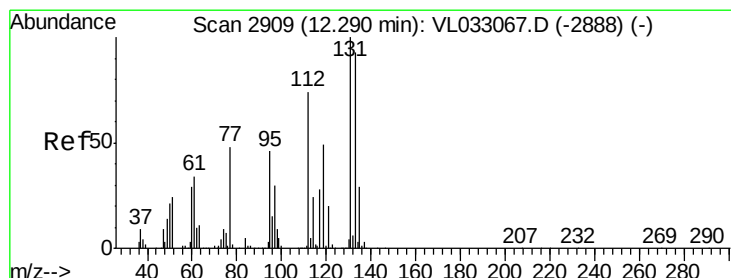
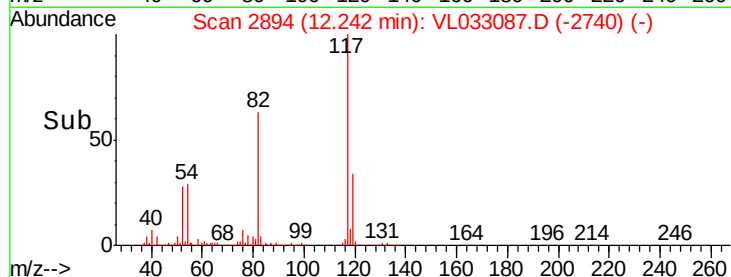
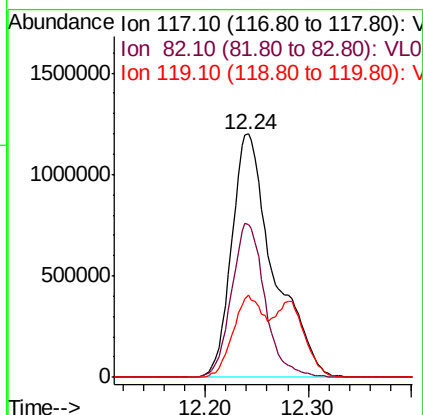
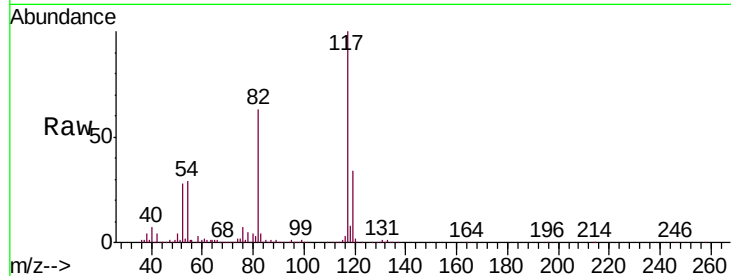




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL033087.D
Acq: 16 Jan 2019 9:35

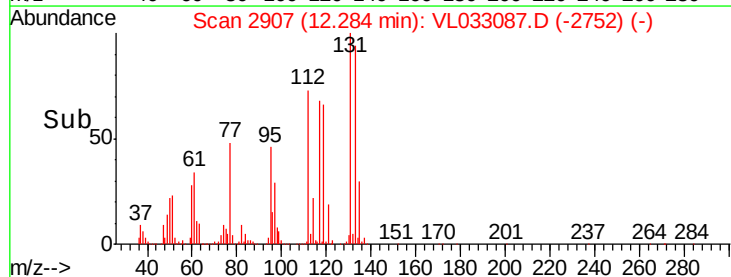
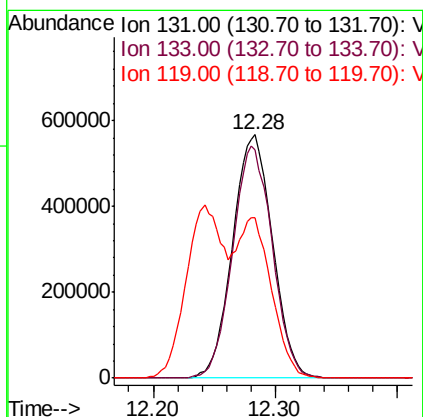
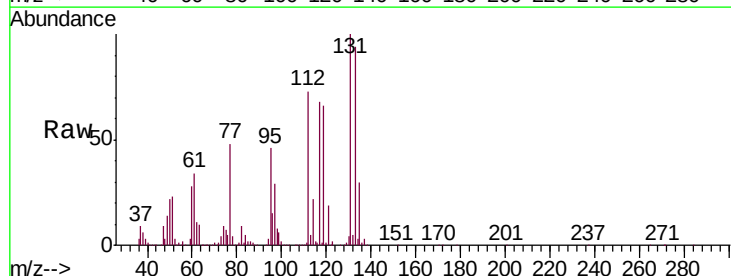
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

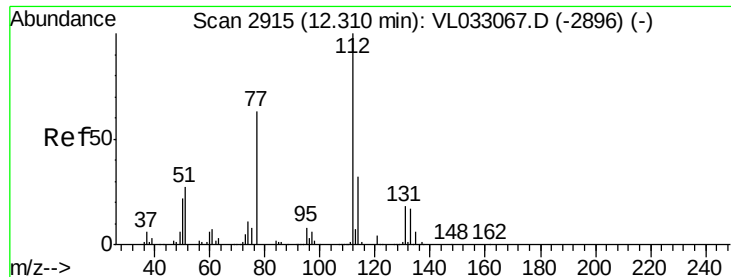
Tgt Ion:117 Resp: 3400195
Ion Ratio Lower Upper
117 100
82 50.7 48.9 73.3
119 26.5 24.6 37.0



#56
1,1,1,2-Tetrachloroethane
Concen: 7.287 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL033087.D
Acq: 16 Jan 2019 9:35

Tgt Ion:131 Resp: 1280170
Ion Ratio Lower Upper
131 100
133 95.4 76.0 114.0
119 56.2 44.2 66.2





#57

Chlorobenzene

Concen: 7.344 ppbv

RT: 12.30 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

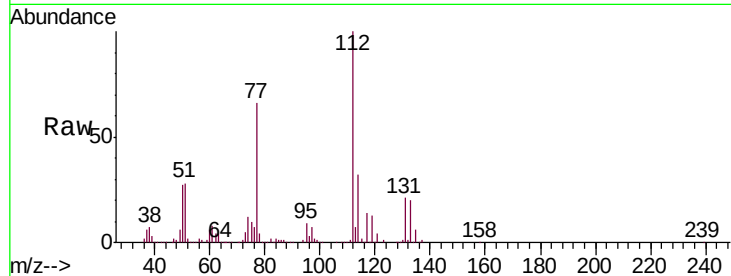
Tgt Ion: 112 Resp: 2084420

Ion Ratio Lower Upper

112 100

77 66.3 53.4 80.0

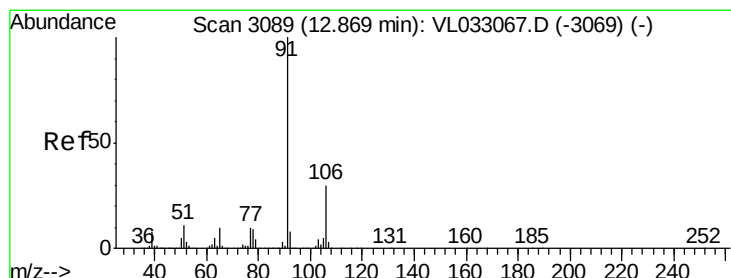
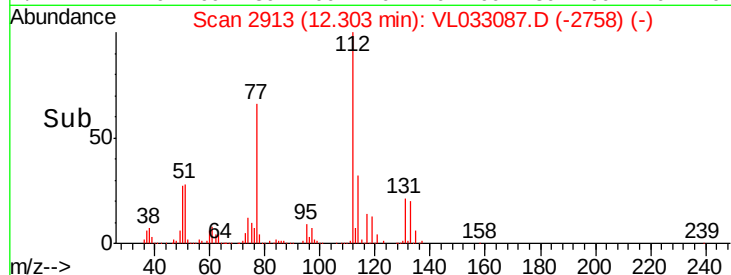
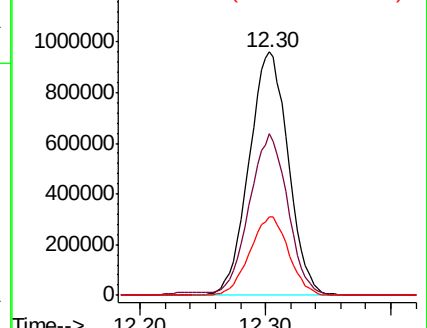
114 32.1 30.0 36.6



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: 8.435 ppbv

RT: 12.86 min Scan# 3087

Delta R.T. -0.01 min

Lab File: VL033087.D

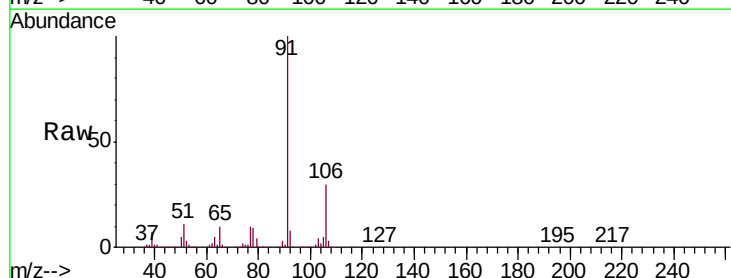
Acq: 16 Jan 2019 9:35

Tgt Ion: 91 Resp: 3621286

Ion Ratio Lower Upper

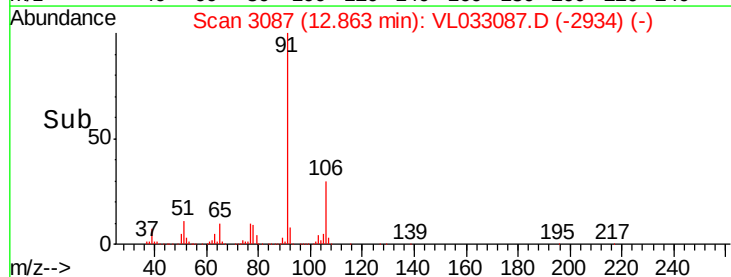
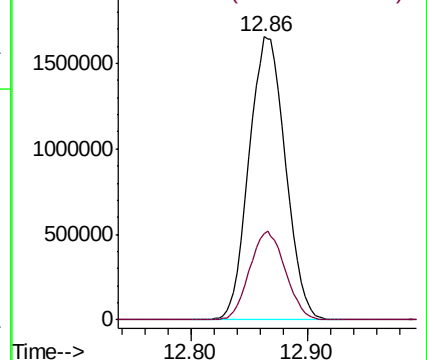
91 100

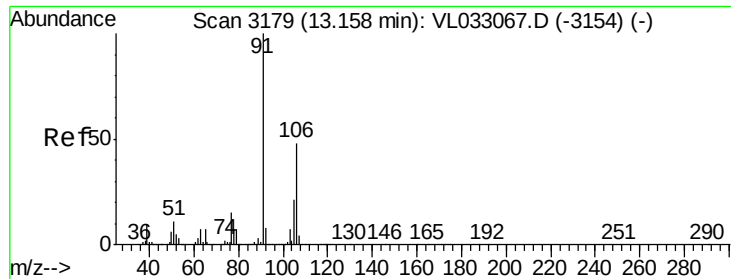
106 30.4 24.3 36.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

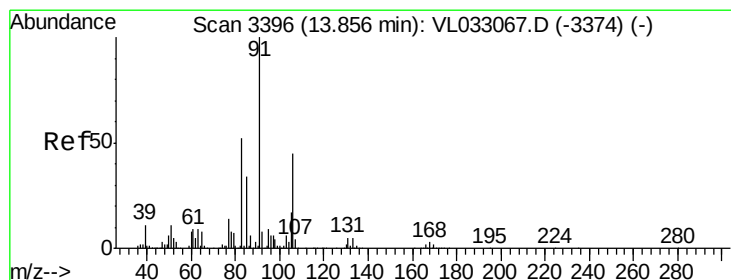
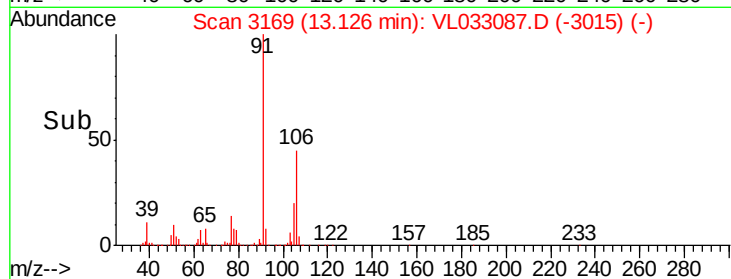
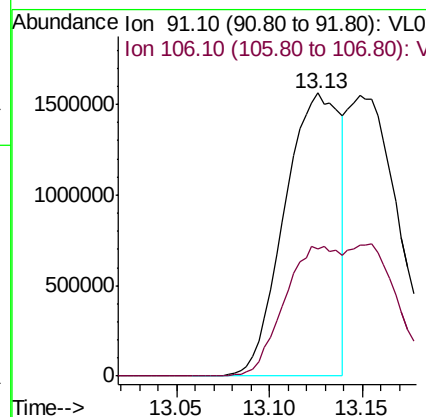
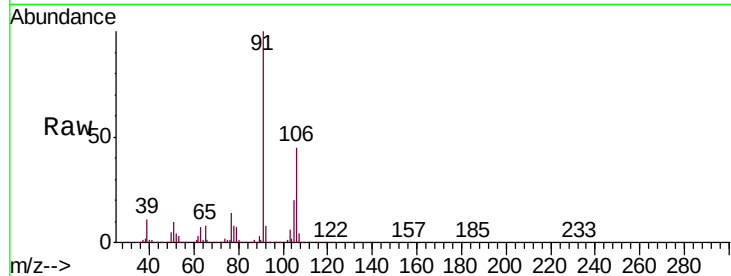




#59
m/p-Xylene
Concen: 8.175 ppbv
RT: 13.13 min Scan# 3169
Delta R.T. -0.01 min
Lab File: VL033087.D
Acq: 16 Jan 2019 9:35

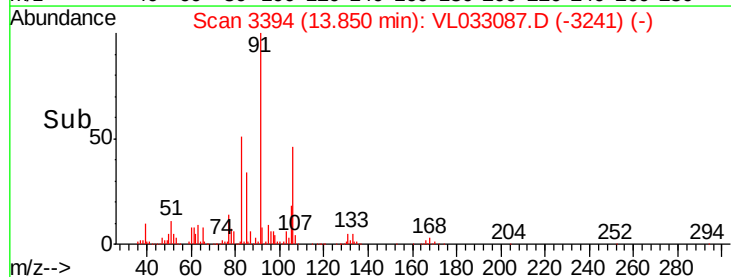
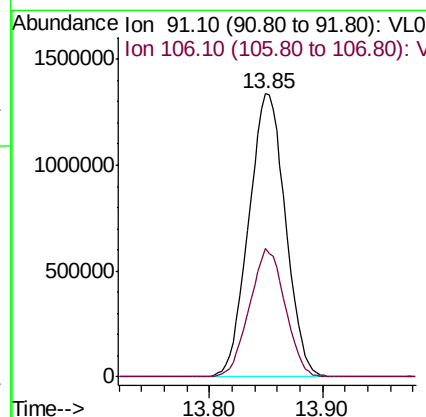
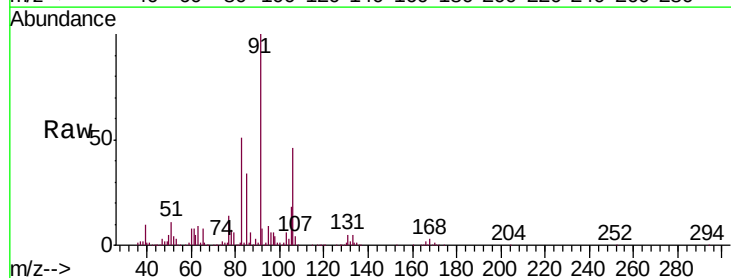
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

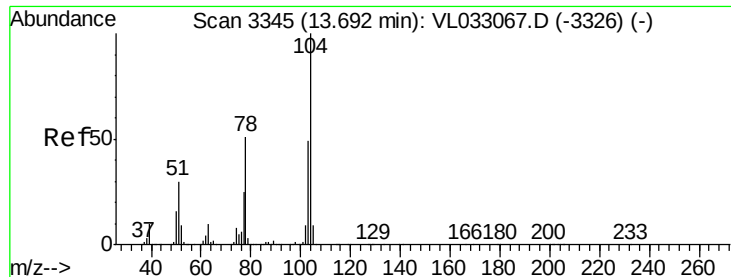
Tgt Ion: 91 Resp: 3246643
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0



#60
o-Xylene
Concen: 7.737 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033087.D
Acq: 16 Jan 2019 9:35

Tgt Ion: 91 Resp: 3008198
Ion Ratio Lower Upper
91 100
106 44.2 22.1 66.5





#61

Styrene

Concen: 8.942 ppbv

RT: 13.69 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

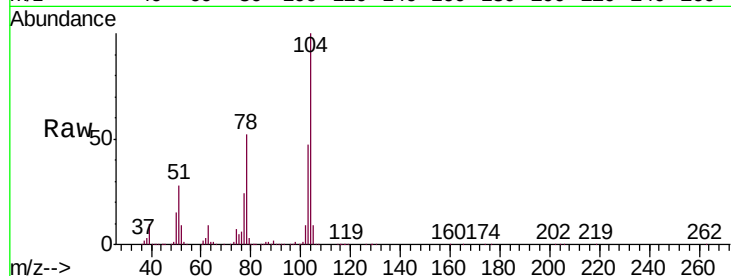
Tgt Ion:104 Resp: 2218327

Ion Ratio Lower Upper

104 100

78 52.2 41.6 62.4

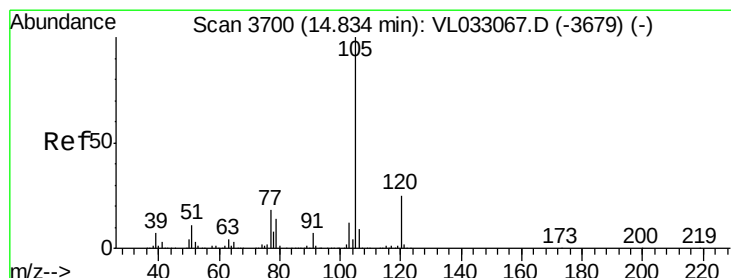
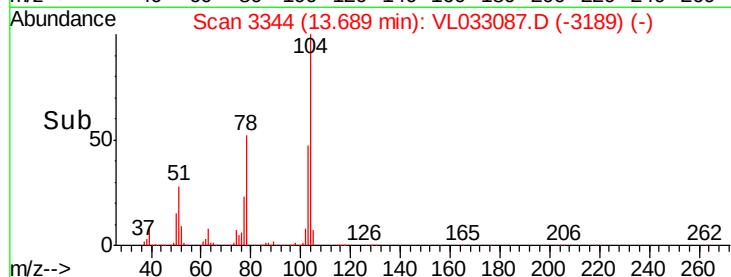
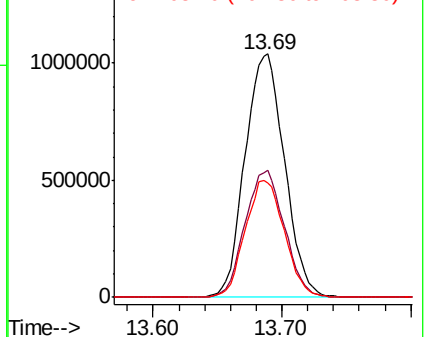
103 47.7 38.1 57.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.711 ppbv

RT: 14.83 min Scan# 3698

Delta R.T. -0.01 min

Lab File: VL033087.D

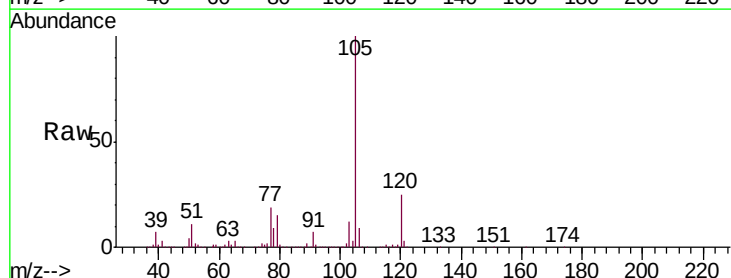
Acq: 16 Jan 2019 9:35

Tgt Ion:105 Resp: 4266303

Ion Ratio Lower Upper

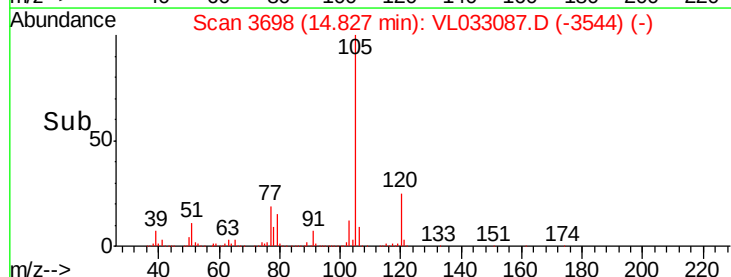
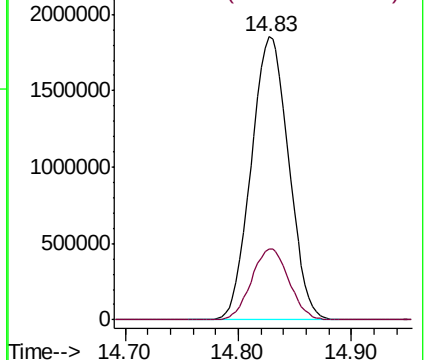
105 100

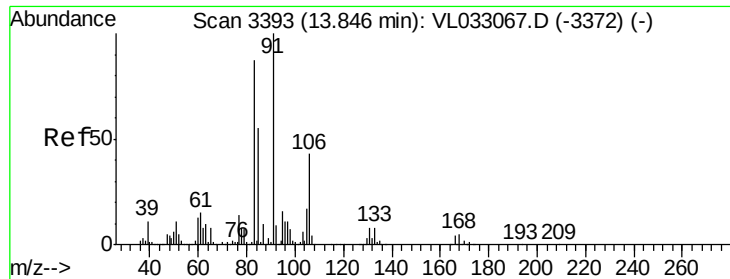
120 25.1 20.4 30.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.094 ppbv

RT: 13.84 min Scan# 3390

Delta R.T. -0.01 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

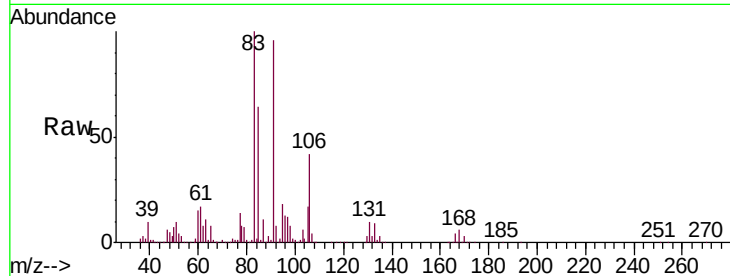
Tgt Ion: 83 Resp: 2048847

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.4

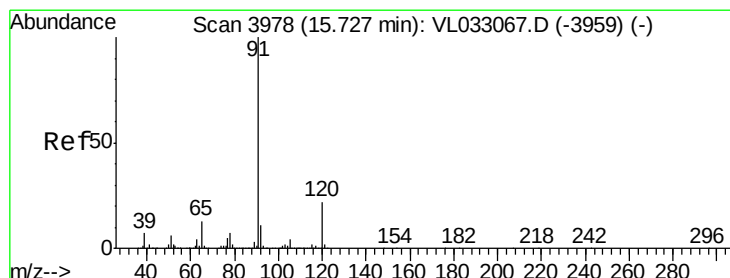
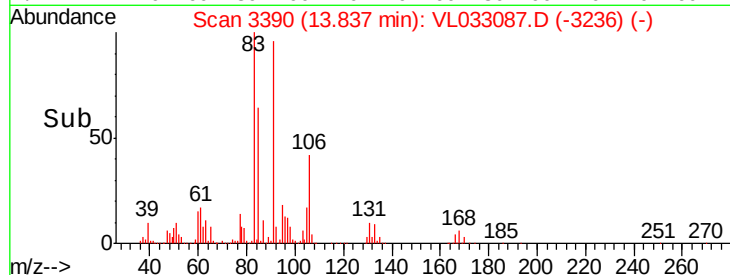
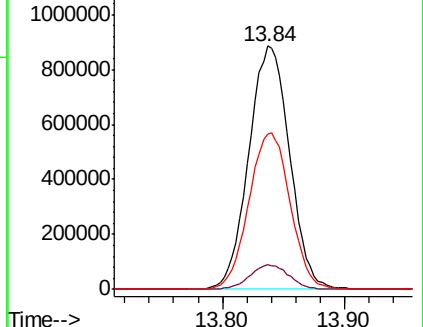
85 65.1 32.6 97.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.746 ppbv

RT: 15.72 min Scan# 3977

Delta R.T. -0.00 min

Lab File: VL033087.D

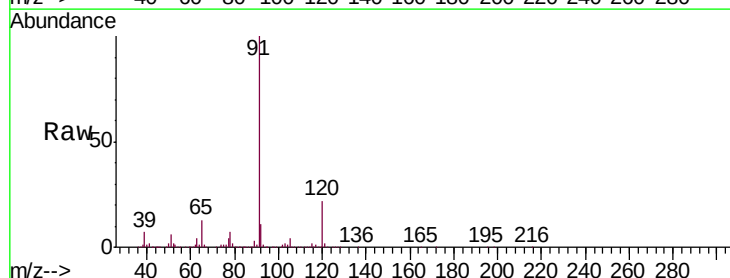
Acq: 16 Jan 2019 9:35

Tgt Ion: 120 Resp: 1088735

Ion Ratio Lower Upper

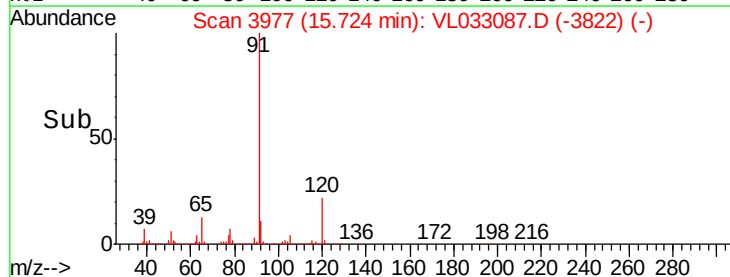
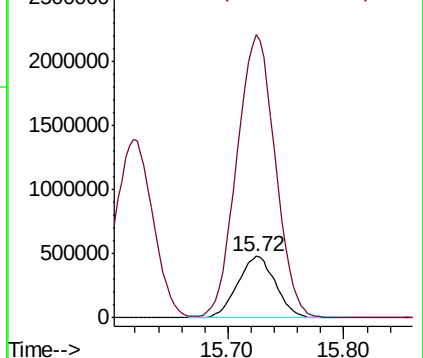
120 100

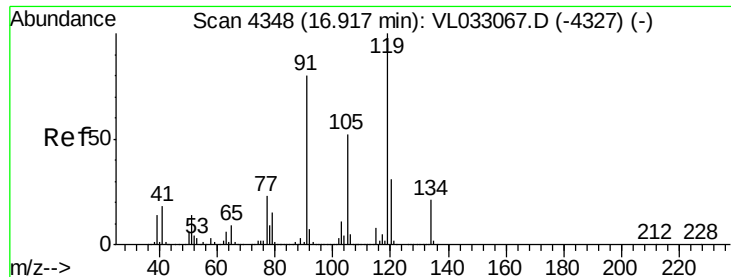
91 469.3 378.7 568.1



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

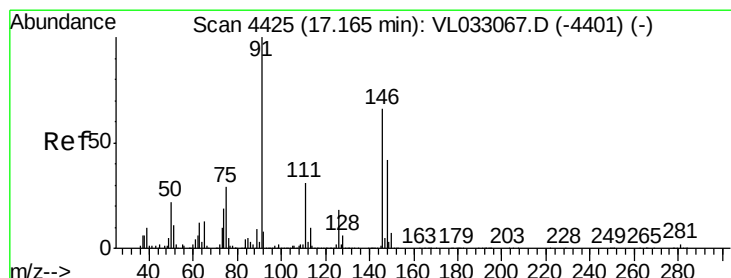
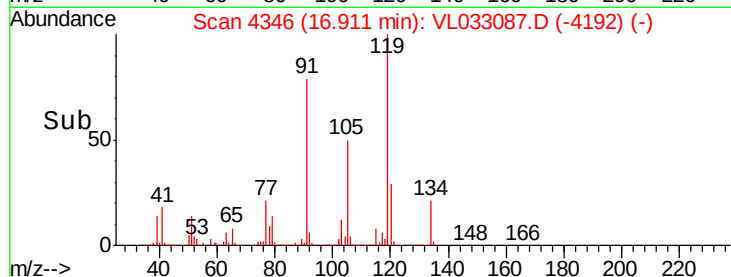
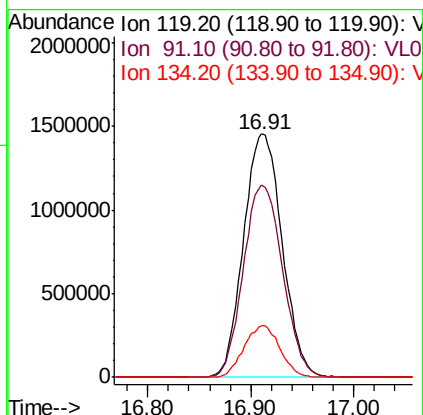
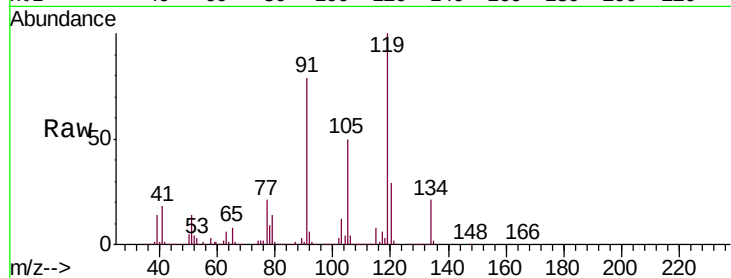




#65
 tert-Butylbenzene
 Concen: 7.723 ppbv
 RT: 16.91 min Scan# 4346
 Delta R.T. -0.01 min
 Lab File: VL033087.D
 Acq: 16 Jan 2019 9:35

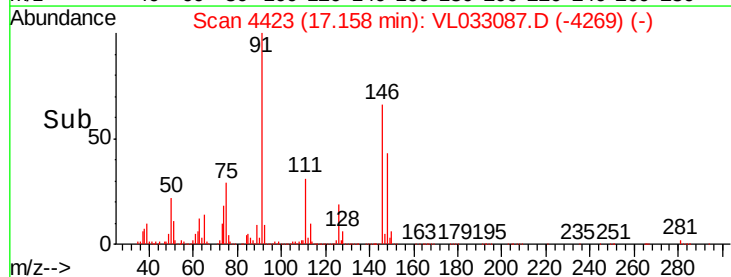
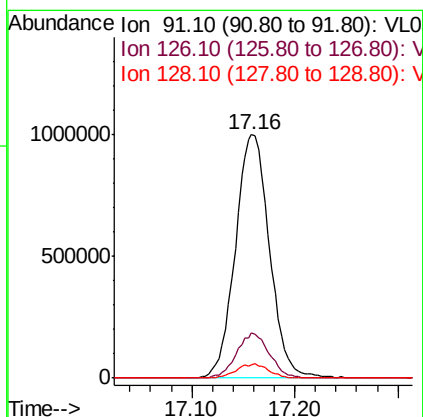
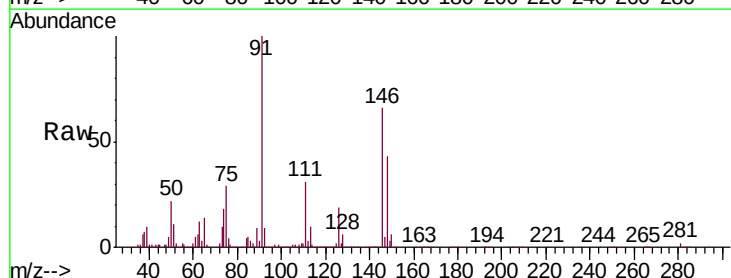
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

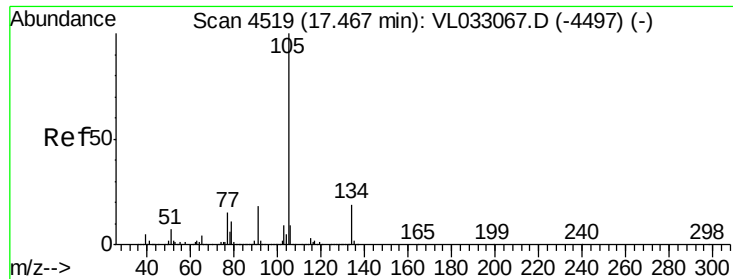
Tgt Ion: 119 Resp: 3785020
 Ion Ratio Lower Upper
 119 100
 91 80.5 64.6 97.0
 134 19.7 15.8 23.8



#66
 Benzyl Chloride
 Concen: 8.221 ppbv
 RT: 17.16 min Scan# 4423
 Delta R.T. -0.01 min
 Lab File: VL033087.D
 Acq: 16 Jan 2019 9:35

Tgt Ion: 91 Resp: 2296270
 Ion Ratio Lower Upper
 91 100
 126 17.9 14.4 21.6
 128 5.6 4.5 6.7





#67

sec-Butylbenzene

Concen: 7.548 ppbv

RT: 17.46 min Scan# 4517

Delta R.T. -0.01 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

Instrument :

MSVOA_L

ClientSampleId :

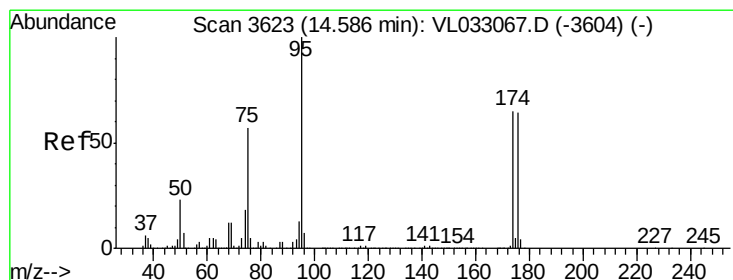
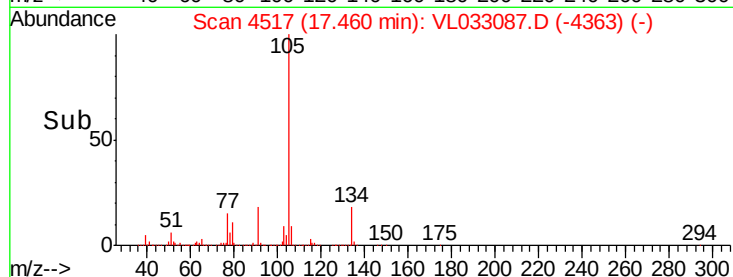
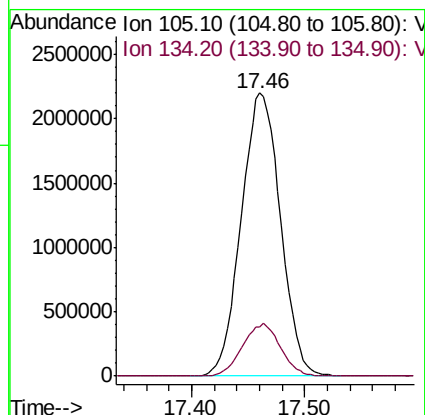
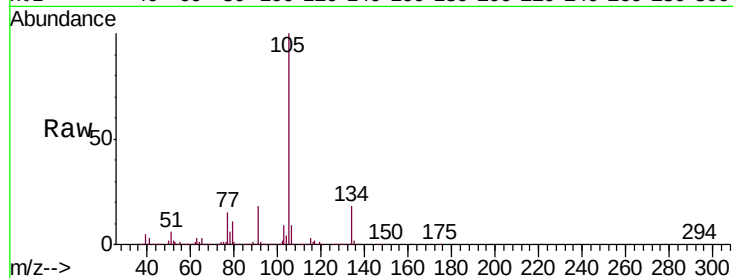
VSTDCCC010

Tgt Ion:105 Resp: 5293764

Ion Ratio Lower Upper

105 100

134 18.1 14.6 21.8



#68

1-Bromo-4-Fluorobenzene

Concen: 7.985 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.01 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

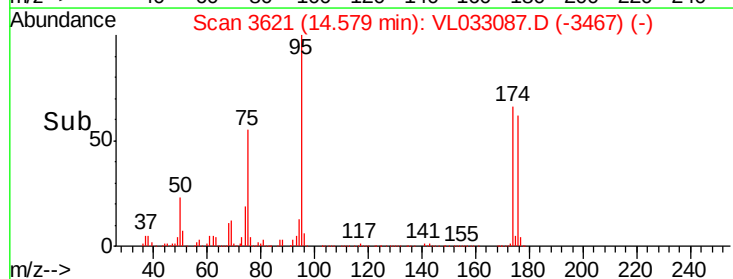
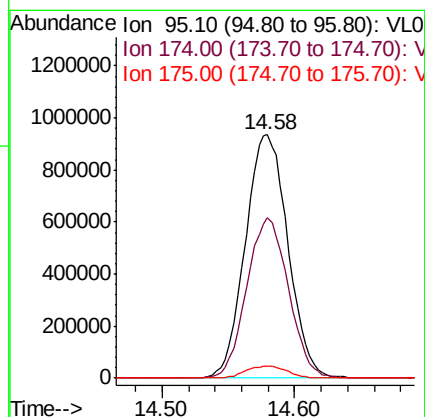
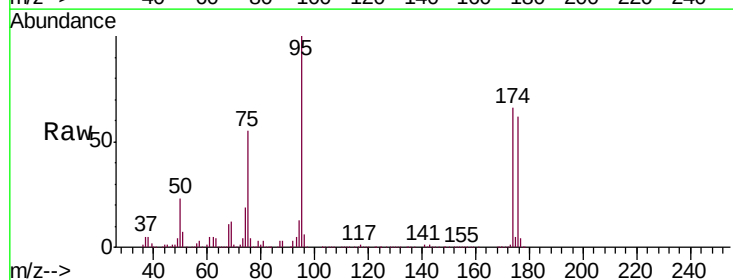
Tgt Ion: 95 Resp: 2081340

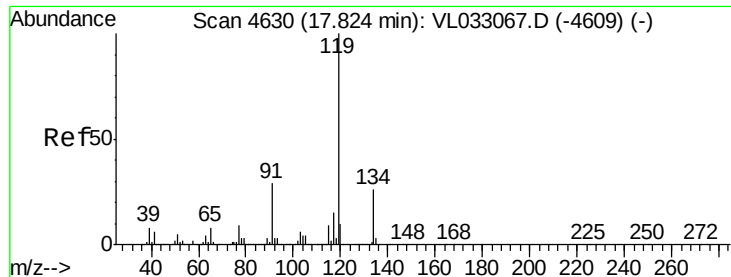
Ion Ratio Lower Upper

95 100

174 65.1 51.9 77.9

175 4.9 3.9 5.9

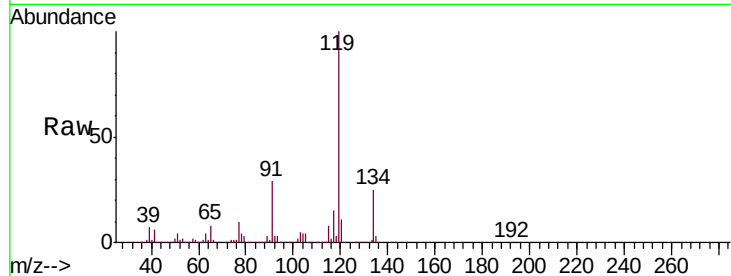




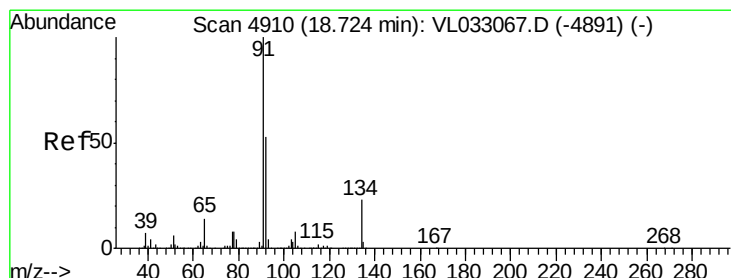
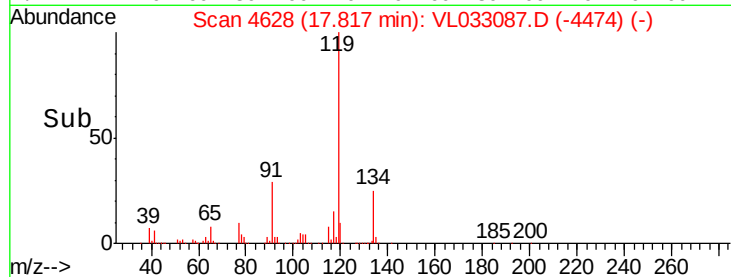
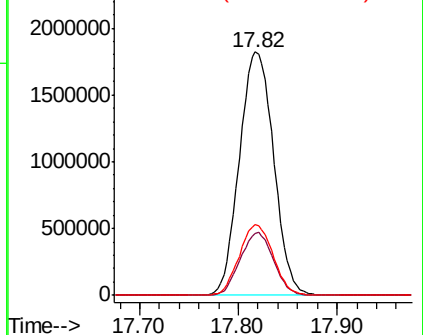
#69
 p-Isopropyltoluene
 Concen: 7.682 ppbv
 RT: 17.82 min Scan# 4628
 Delta R.T. -0.01 min
 Lab File: VL033087.D
 Acq: 16 Jan 2019 9:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 119 Resp: 4373242
 Ion Ratio Lower Upper
 119 100
 134 25.1 20.1 30.1
 91 28.7 23.0 34.4

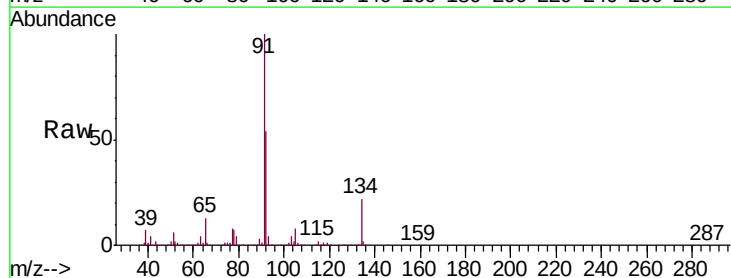


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

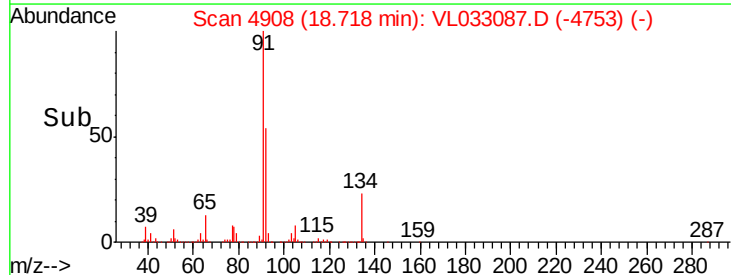
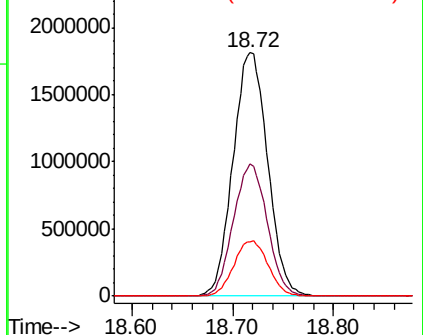


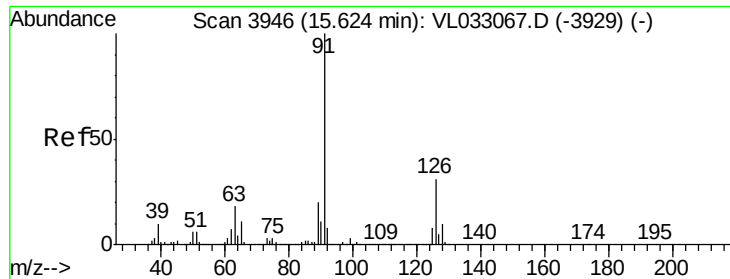
#70
 n-Butylbenzene
 Concen: 7.533 ppbv
 RT: 18.72 min Scan# 4908
 Delta R.T. -0.00 min
 Lab File: VL033087.D
 Acq: 16 Jan 2019 9:35

Tgt Ion: 91 Resp: 4310610
 Ion Ratio Lower Upper
 91 100
 92 53.4 42.4 63.6
 134 22.6 18.0 27.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V

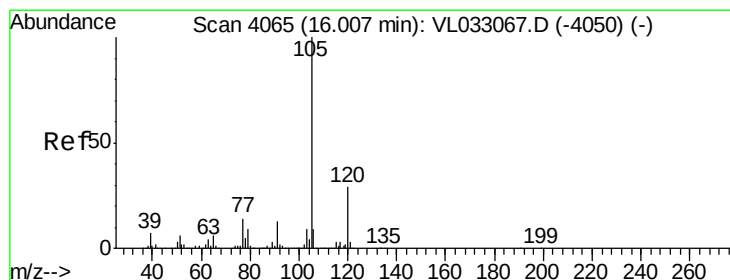
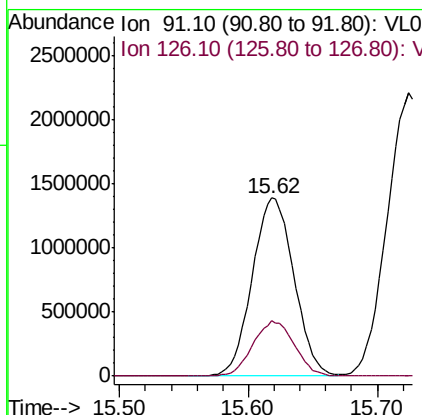
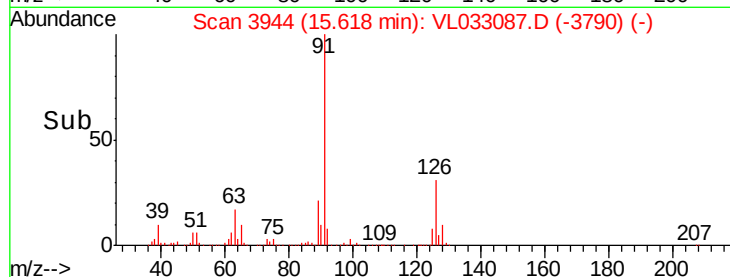
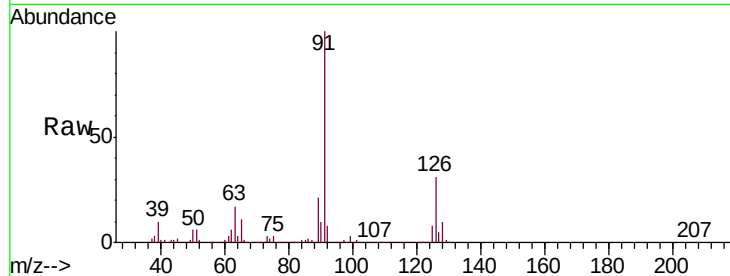




#71
 2-Chlorotoluene
 Concen: 7.990 ppbv
 RT: 15.62 min Scan# 3944
 Delta R.T. -0.01 min
 Lab File: VL033087.D
 Acq: 16 Jan 2019 9:35

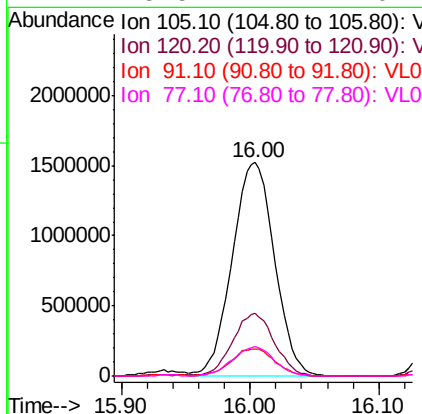
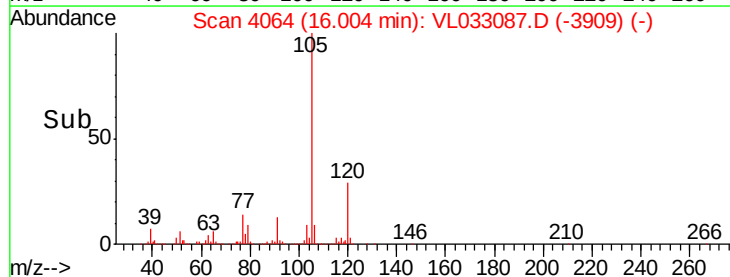
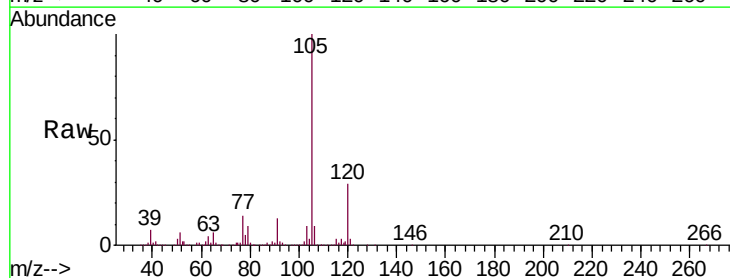
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

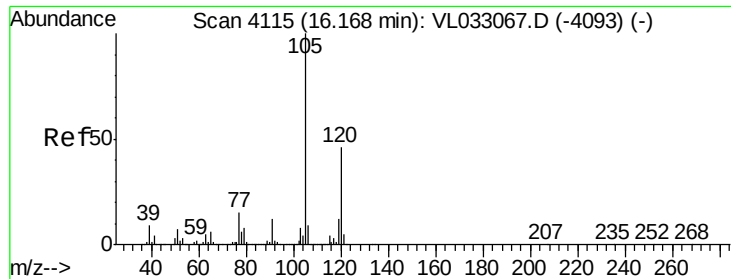
Tgt Ion: 91 Resp: 3135202
 Ion Ratio Lower Upper
 91 100
 126 30.9 12.4 49.6



#72
 4-Ethyltoluene
 Concen: 8.111 ppbv
 RT: 16.00 min Scan# 4064
 Delta R.T. -0.00 min
 Lab File: VL033087.D
 Acq: 16 Jan 2019 9:35

Tgt Ion: 105 Resp: 3465376
 Ion Ratio Lower Upper
 105 100
 120 29.0 23.0 34.6
 91 13.0 10.3 15.5
 77 13.5 11.1 16.7

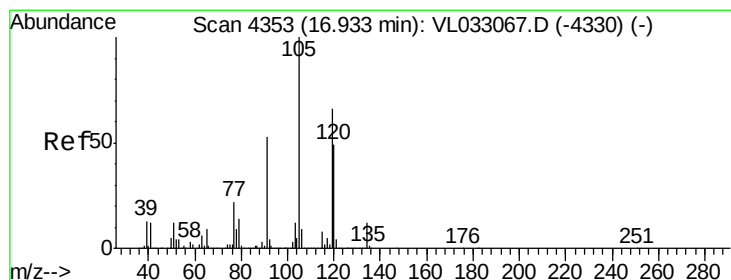
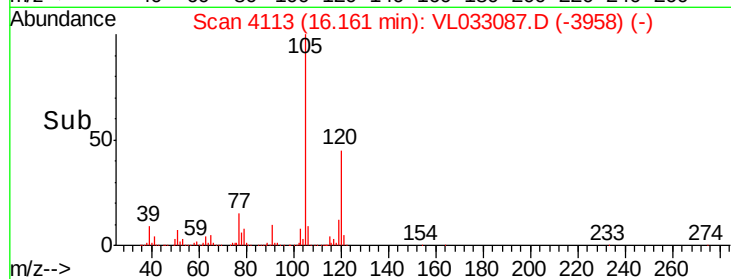
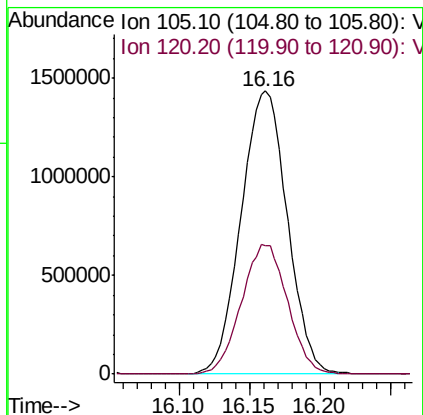
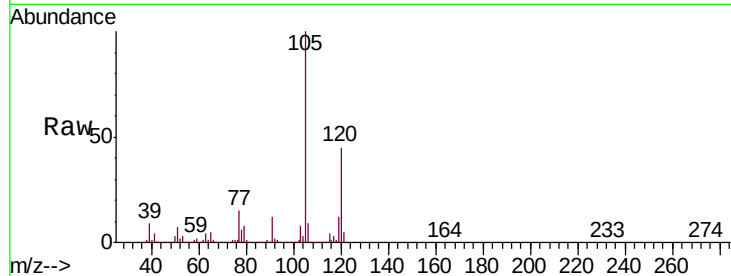




#73
 1,3,5-Trimethylbenzene
 Concen: 7.780 ppbv
 RT: 16.16 min Scan# 4113
 Delta R.T. -0.00 min
 Lab File: VL033087.D
 Acq: 16 Jan 2019 9:35

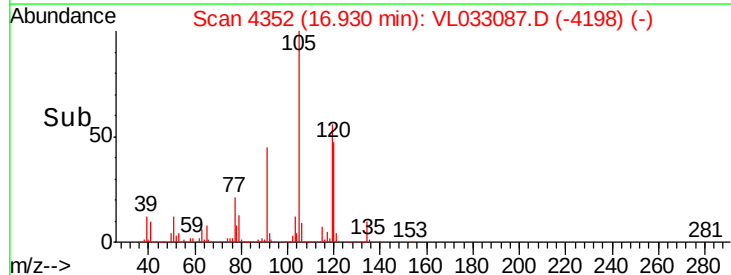
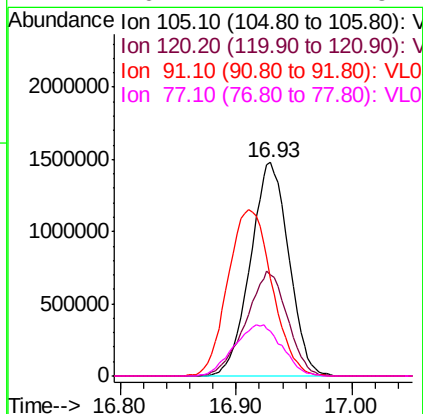
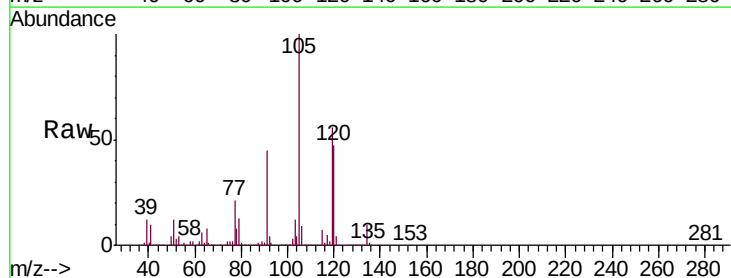
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

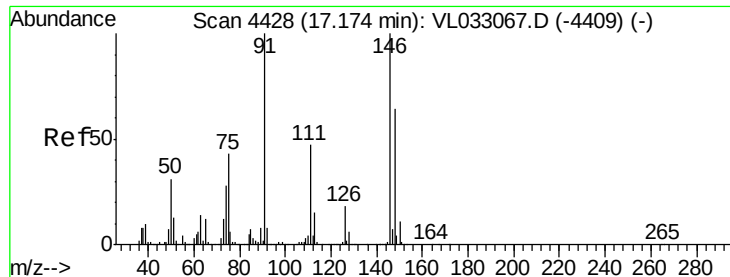
Tgt Ion:105 Resp: 3279697
 Ion Ratio Lower Upper
 105 100
 120 45.2 36.1 54.1



#74
 1,2,4-Trimethylbenzene
 Concen: 7.297 ppbv
 RT: 16.93 min Scan# 4352
 Delta R.T. -0.01 min
 Lab File: VL033087.D
 Acq: 16 Jan 2019 9:35

Tgt Ion:105 Resp: 3406938
 Ion Ratio Lower Upper
 105 100
 120 47.4 37.0 55.4
 91 45.2 35.4 53.0
 77 20.7 17.1 25.7





#75

1,3-Dichlorobenzene

Concen: 6.949 ppbv

RT: 17.17 min Scan# 4426

Delta R.T. -0.01 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

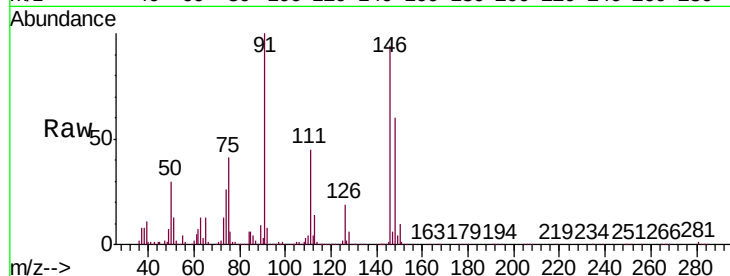
Tgt Ion:146 Resp: 1909717

Ion Ratio Lower Upper

146 100

111 47.1 23.4 70.2

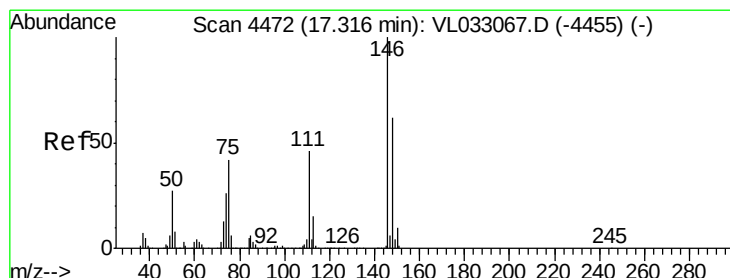
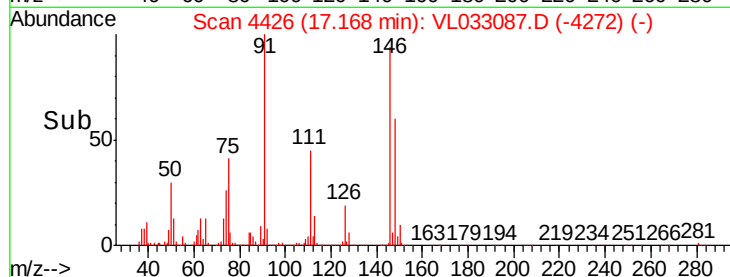
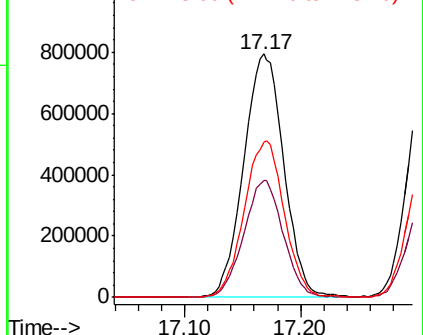
148 64.2 32.1 96.3



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



#76

1,4-Dichlorobenzene

Concen: 7.482 ppbv

RT: 17.31 min Scan# 4470

Delta R.T. -0.01 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

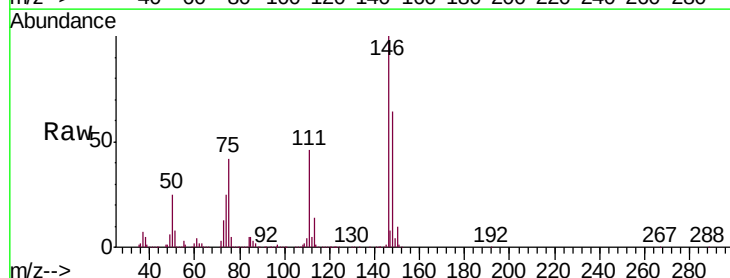
Tgt Ion:146 Resp: 1872967

Ion Ratio Lower Upper

146 100

111 45.1 22.7 68.1

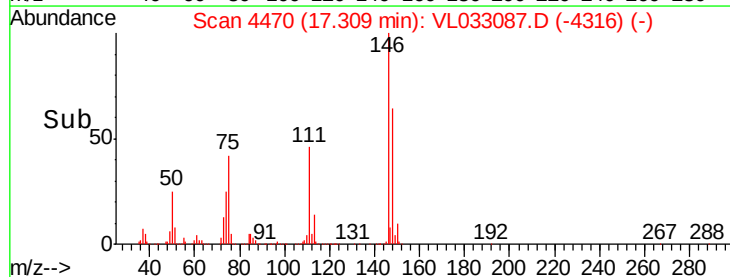
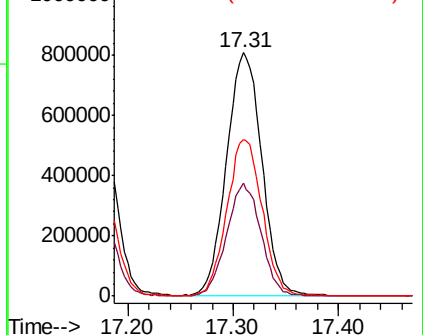
148 64.4 32.4 97.2

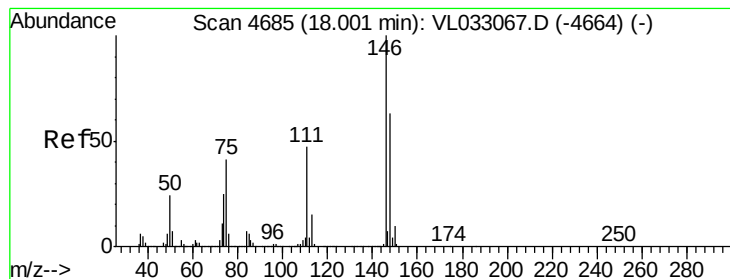


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.318 ppbv

RT: 17.99 min Scan# 4682

Delta R.T. -0.01 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

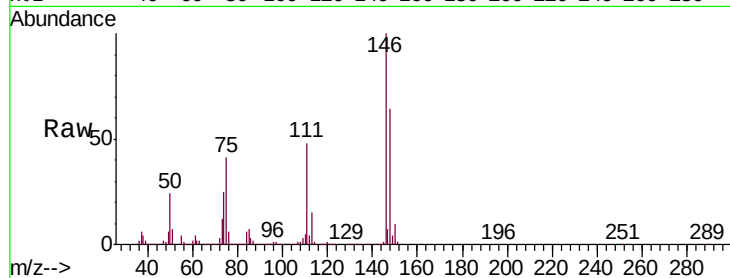
Tgt Ion:146 Resp: 1811179

Ion Ratio Lower Upper

146 100

111 48.2 24.4 73.2

148 64.1 32.3 96.9

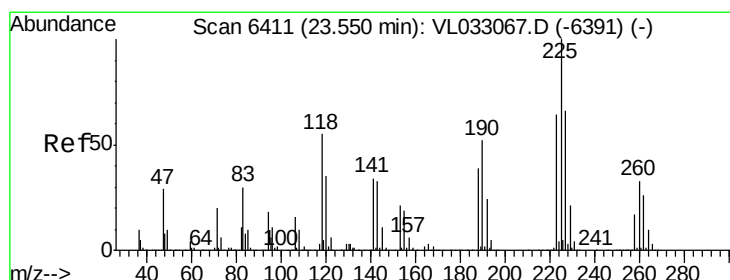
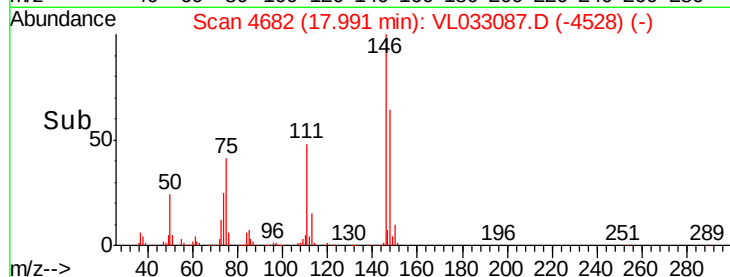
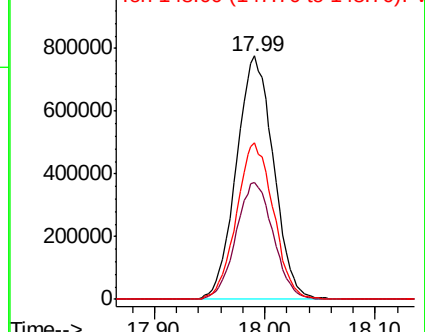


Abundance

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



#78

Hexachloro-1,3-Butadiene

Concen: 7.313 ppbv

RT: 23.55 min Scan# 6410

Delta R.T. -0.01 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

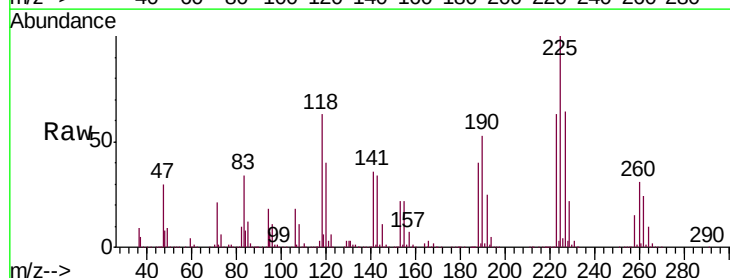
Tgt Ion:225 Resp: 1390087

Ion Ratio Lower Upper

225 100

223 63.4 51.0 76.6

227 63.7 51.0 76.4

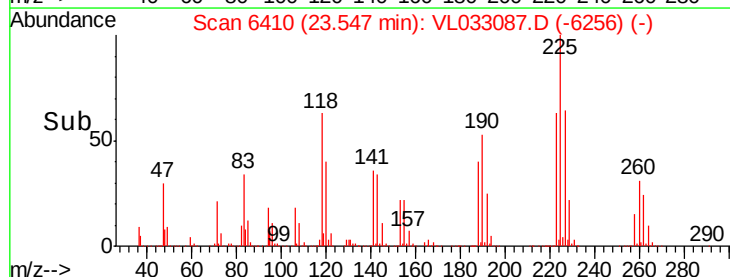
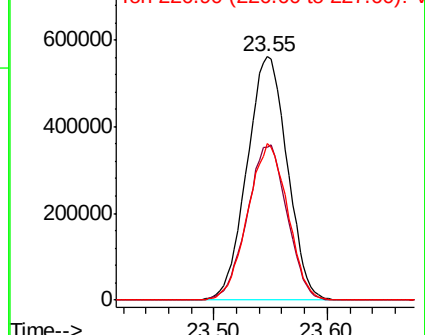


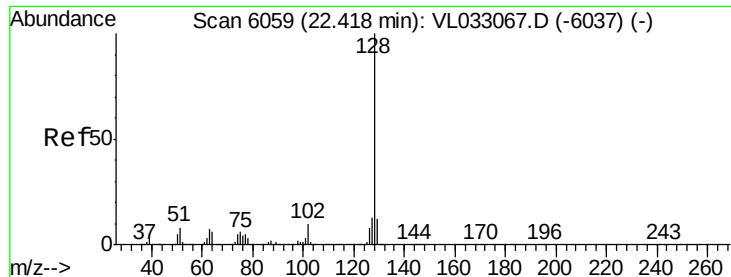
Abundance

Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.076 ppbv

RT: 22.42 min Scan# 6058

Delta R.T. -0.01 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

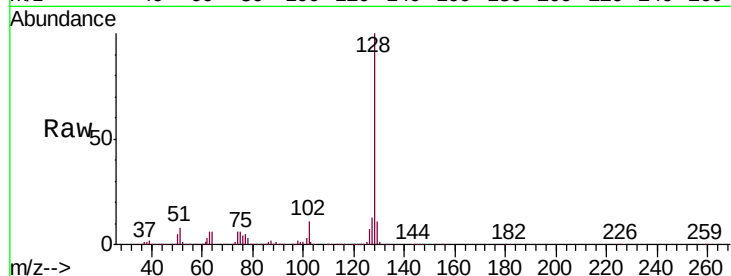
Tgt Ion:128 Resp: 3175813

Ion Ratio Lower Upper

128 100

127 13.1 11.0 16.6

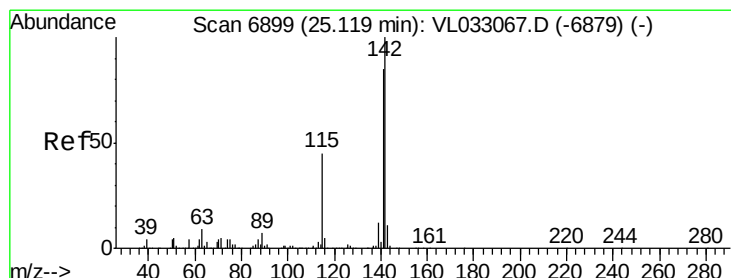
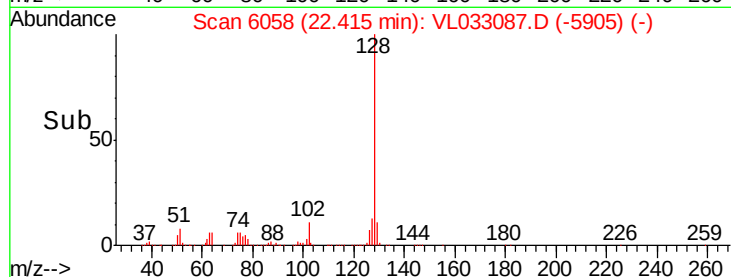
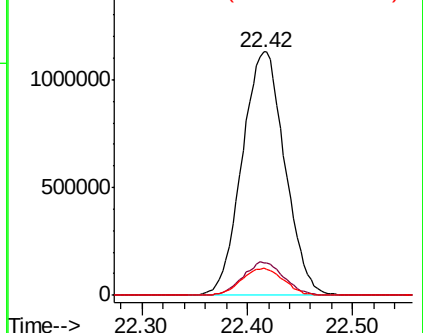
129 11.3 9.4 14.0



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 10.538 ppbv

RT: 25.12 min Scan# 6898

Delta R.T. -0.00 min

Lab File: VL033087.D

Acq: 16 Jan 2019 9:35

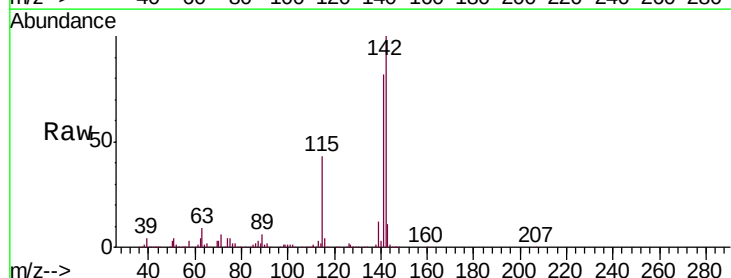
Tgt Ion:142 Resp: 1257599

Ion Ratio Lower Upper

142 100

141 84.7 68.6 103.0

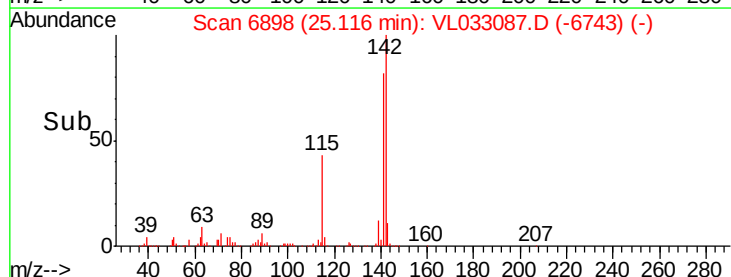
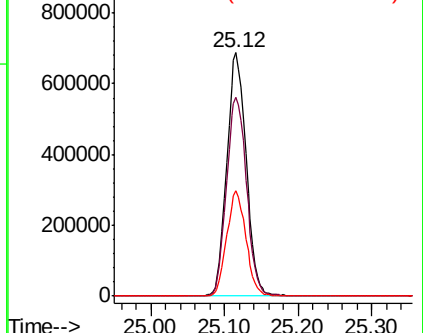
115 43.2 35.6 53.4

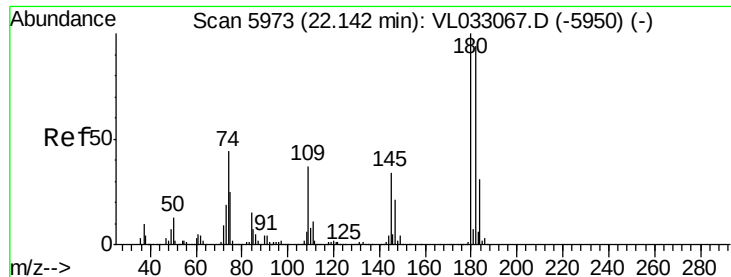


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

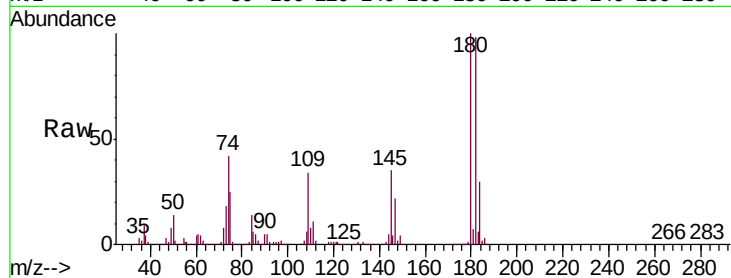




#81
 1,2,4-Trichlorobenzene
 Concen: 7.925 ppbv
 RT: 22.14 min Scan# 5972
 Delta R.T. -0.01 min
 Lab File: VL033087.D
 Acq: 16 Jan 2019 9:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 1505691
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.1 114.1
 184 30.8 24.6 37.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

