

Data File : VL033687.D

Acq On : 14 May 2019 12:19

Operator : SY/AP

Sample : VL0514ABS01

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Quant Time: May 15 02:31:40 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 15:19:01 2019

QLast Update : Mon May 06 15:19:01 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	990252	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2352011	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2482752	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2038902	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.07	85	1711419	7.369	ppbv	100
3) Chlorodifluoromethane	3.01	51	1117134	7.812	ppbv	99
4) Chloromethane	3.17	50	585785	7.879	ppbv	98
5) Vinyl Chloride	3.29	62	568289	7.862	ppbv	100
6) Bromomethane	3.51	94	385837	8.402	ppbv	100
7) Chloroethane	3.60	64	219499	8.365	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1509266	7.895	ppbv	99
9) Propene	3.03	41	447190	8.202	ppbv	99
10) Heptane	8.25	43	1331059	9.893	ppbv	99
11) Trichlorofluoromethane	4.00	101	1802475	8.311	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1218581	8.358	ppbv	99
13) Ethanol	3.65	45	119596	7.308	ppbv	100
14) Bromoethene	3.79	108	475386	8.272	ppbv	99
15) Acetone	3.90	43	1121567	7.613	ppbv	100
16) 1,3-Butadiene	3.36	39	520125	8.232	ppbv	100
17) tert-Butyl alcohol	4.35	59	1002212	8.957	ppbv	100
18) 1,1-Dichloroethene	4.35	96	532790	8.464	ppbv	99
19) Isopropyl Alcohol	4.02	45	770093	8.509	ppbv	100
20) Methylene Chloride	4.41	84	447471	8.000	ppbv	95
21) Allyl Chloride	4.48	41	776826	8.712	ppbv	98
22) trans-1,2-Dichloroethene	4.96	96	619715	9.807	ppbv	98
23) Vinyl Acetate	5.15	43	1944207	10.156	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1351234	9.331	ppbv	100
25) Ethyl Acetate	5.77	43	2333327	9.735	ppbv	100
26) Hexane	5.78	57	1022719	9.927	ppbv	99
27) Carbon Disulfide	4.62	76	1350246	9.582	ppbv	98
28) Methyl tert-Butyl Ether	5.11	73	1724830	9.940	ppbv	100
29) Chloroform	5.85	83	1767433	9.541	ppbv	100
30) Cyclohexane	7.25	84	891506	10.304	ppbv	100
31) cis-1,2-Dichloroethene	5.64	61	1063121	10.373	ppbv	97
32) 1,1,1-Trichloroethane	6.62	97	1856832	9.707	ppbv	99
34) 2-Butanone	5.33	43	1546586	10.269	ppbv	99
35) Carbon Tetrachloride	7.13	117	1997755	10.335	ppbv	99
36) Benzene	7.00	78	2179953	10.336	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1377363	9.360	ppbv	100
38) Trichloroethene	7.96	130	901793	11.656	ppbv	99
39) 1,2-Dichloropropane	7.73	63	795100	10.115	ppbv	99
40) 1,4-Dioxane	7.95	88	321205	10.225	ppbv	97
41) Tetrahydrofuran	6.15	42	859210	11.039	ppbv	99
42) Bromodichloromethane	7.92	83	1978431	10.413	ppbv	97
43) Methyl Methacrylate	8.14	69	902902	11.381	ppbv	99

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Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

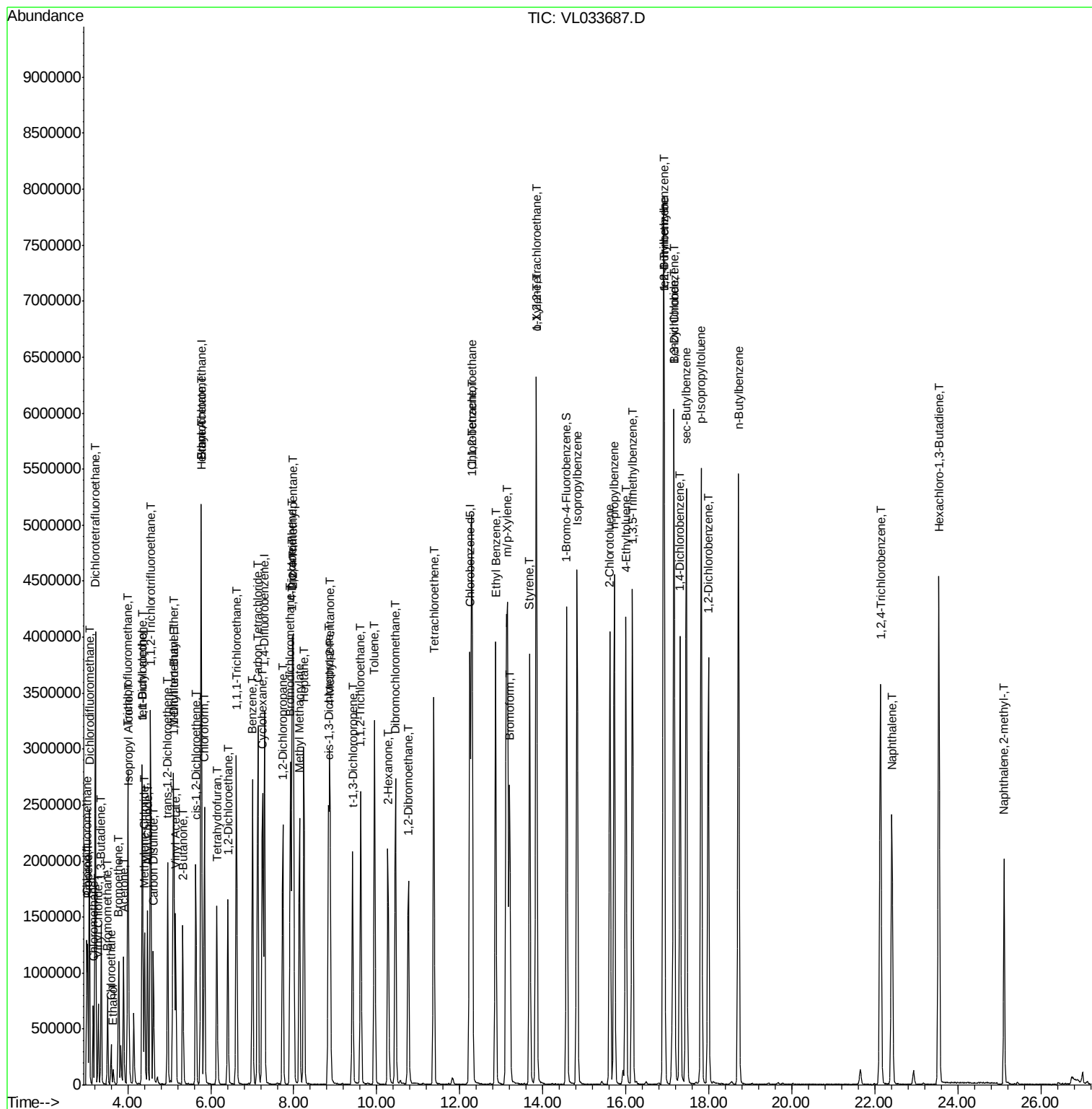
Quant Time: May 15 02:31:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 15:19:01 2019
QLast Update : Mon May 06 15:19:01 2019
Response via : Initial Calibration

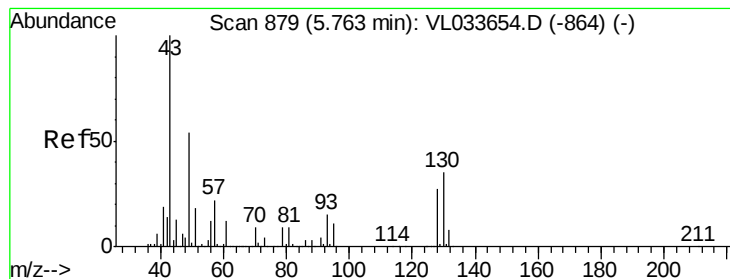
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3714775	10.301	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1202890	12.354	ppbv	99
46) cis-1,3-Dichloropropene	8.83	75	1349862	11.108	ppbv	97
47) 1,1,2-Trichloroethane	9.61	97	900349	9.974	ppbv	98
48) Dibromochloromethane	10.45	129	1691136	11.052	ppbv	100
49) Bromoform	13.20	173	1538318	11.573	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	2358426	10.341	ppbv	100
51) 2-Hexanone	10.27	43	1957242	11.078	ppbv #	100
52) Tetrachloroethene	11.37	164	848725	11.359	ppbv	96
53) Toluene	9.95	91	2561644	11.242	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1495576	10.999	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.28	131	1153481	10.072	ppbv	99
57) Chlorobenzene	12.30	112	1999673	9.810	ppbv	97
58) Ethyl Benzene	12.86	91	3559170	10.993	ppbv	99
59) m/p-Xylene	13.15	91	2896120	10.156	ppbv #	26
60) o-Xylene	13.85	91	3068799	10.633	ppbv	100
61) Styrene	13.68	104	2289256	11.912	ppbv	100
62) Isopropylbenzene	14.83	105	4117795	10.450	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	2102983	10.012	ppbv	100
64) n-propylbenzene	15.72	120	1066415	10.472	ppbv	98
65) tert-Butylbenzene	16.91	119	3784013	10.468	ppbv	100
66) Benzyl Chloride	17.15	91	2209580	13.437	ppbv	99
67) sec-Butylbenzene	17.46	105	5310437	10.530	ppbv	100
69) p-Isopropyltoluene	17.81	119	4432428	10.666	ppbv	100
70) n-Butylbenzene	18.71	91	4636948	10.523	ppbv	100
71) 2-Chlorotoluene	15.61	91	3150044	10.820	ppbv	100
72) 4-Ethyltoluene	16.00	105	3623871	10.683	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	3468125	10.574	ppbv	98
74) 1,2,4-Trimethylbenzene	16.93	105	3632102	9.962	ppbv	99
75) 1,3-Dichlorobenzene	17.16	146	2137095	9.705	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	2119698	10.143	ppbv	100
77) 1,2-Dichlorobenzene	17.98	146	2022204	9.912	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	1230709	7.612	ppbv	99
79) Naphthalene	22.41	128	3133244	9.413	ppbv	99
80) Naphthalene,2-methyl-	25.11	142	1058558	8.412	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1729451	8.943	ppbv	100

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

ALS Vial : 1 Sample Multiplier: 1

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

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MSVOA_L

ClientSampleId :

VL0514ABS01

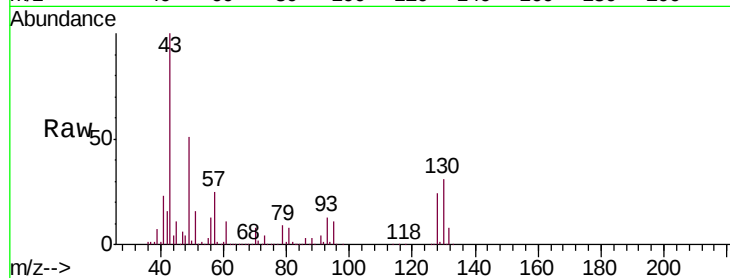
Tgt Ion: 49 Resp: 990252

Ion Ratio Lower Upper

49 100

128 49.6 24.8 74.3

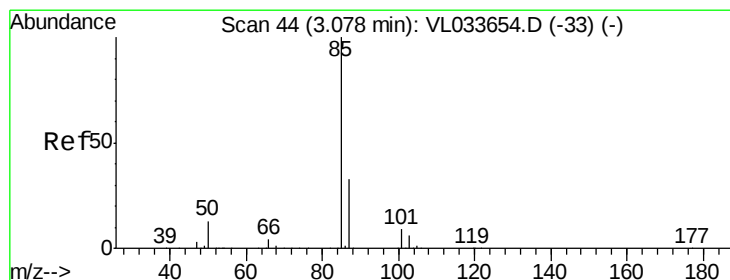
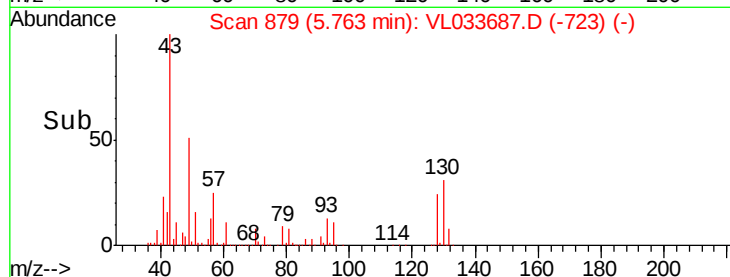
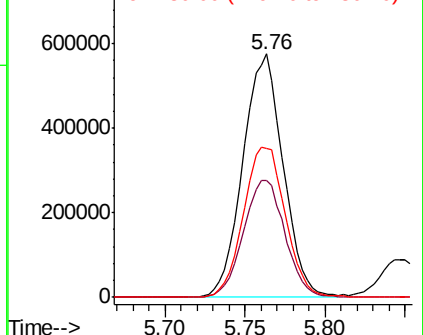
130 64.4 32.1 96.5



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: 7.369 ppbv

RT: 3.07 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033687.D

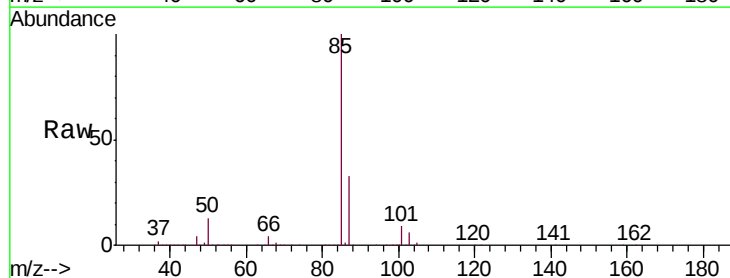
Acq: 14 May 2019 12:19

Tgt Ion: 85 Resp: 1711419

Ion Ratio Lower Upper

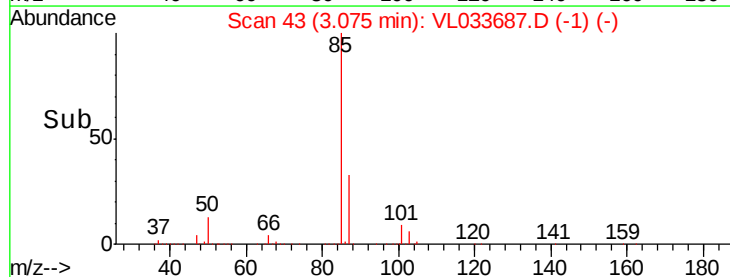
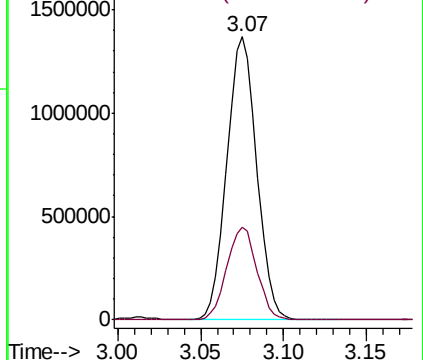
85 100

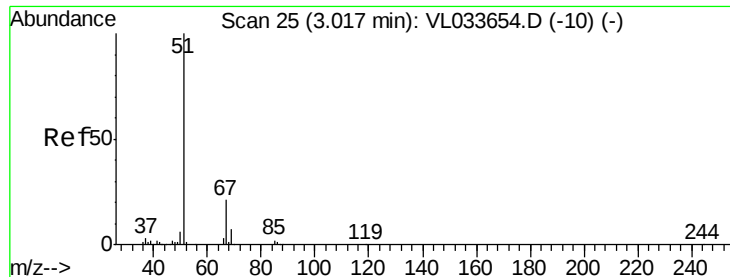
87 32.8 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

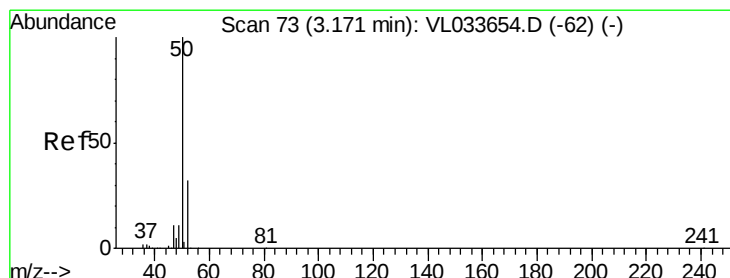
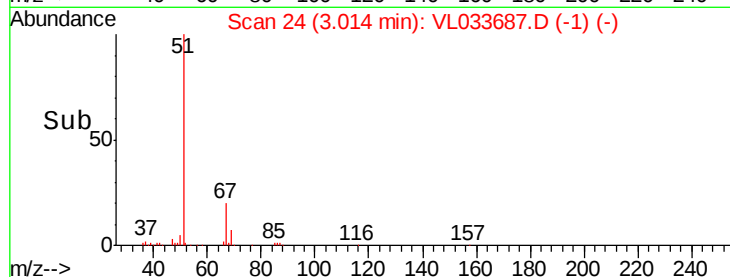
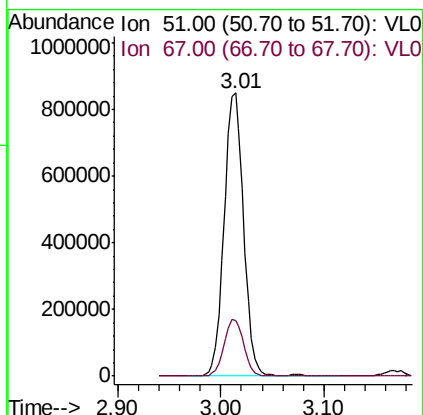
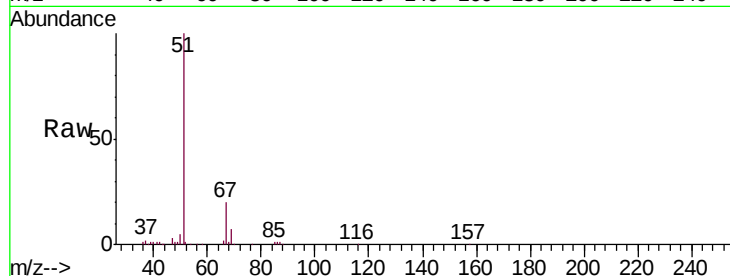




#3
Chlorodifluoromethane
Concen: 7.812 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

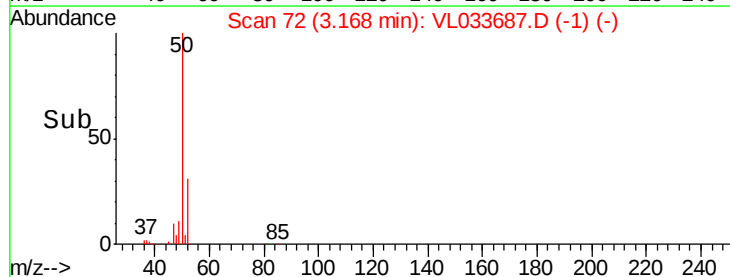
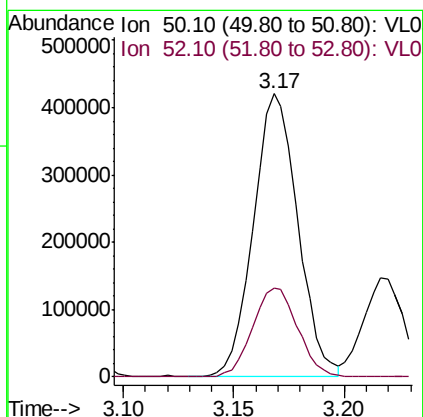
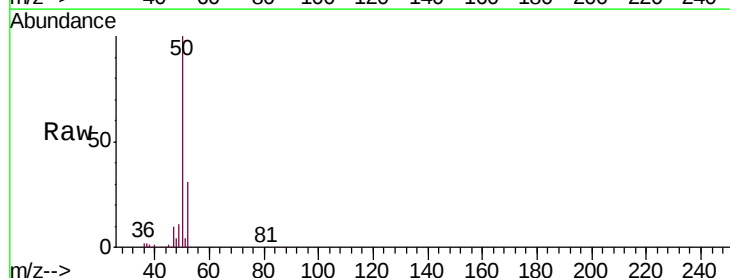
Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

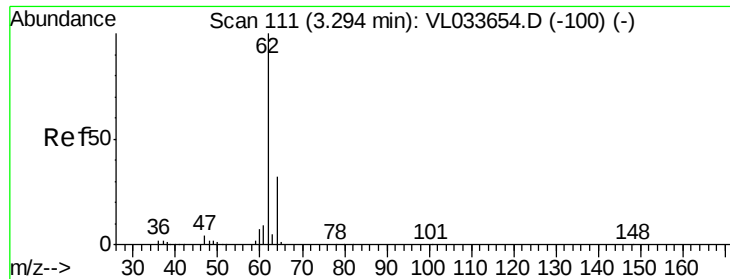
Tgt Ion: 51 Resp: 1117134
Ion Ratio Lower Upper
51 100
67 20.2 15.7 23.5



#4
Chloromethane
Concen: 7.879 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Tgt Ion: 50 Resp: 585785
Ion Ratio Lower Upper
50 100
52 31.2 25.8 38.8





#5

Vinyl Chloride

Concen: 7.862 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

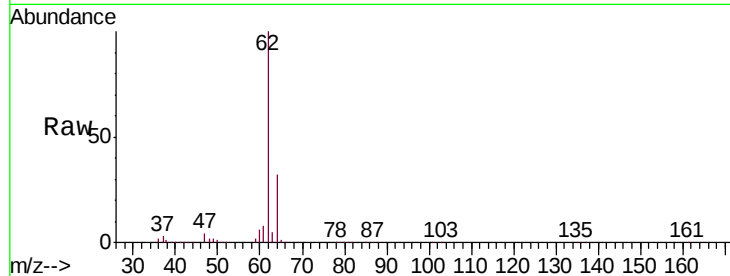
VL0514ABS01

Tgt Ion: 62 Resp: 568289

Ion Ratio Lower Upper

62 100

64 32.2 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.29

400000

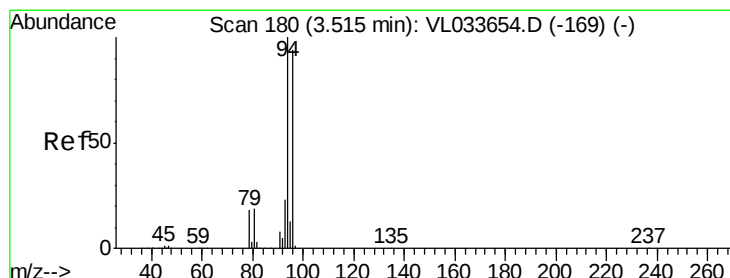
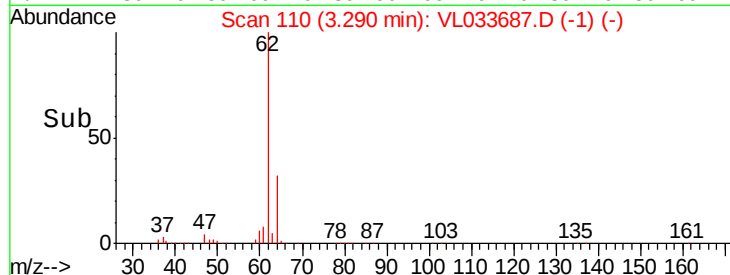
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 8.402 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033687.D

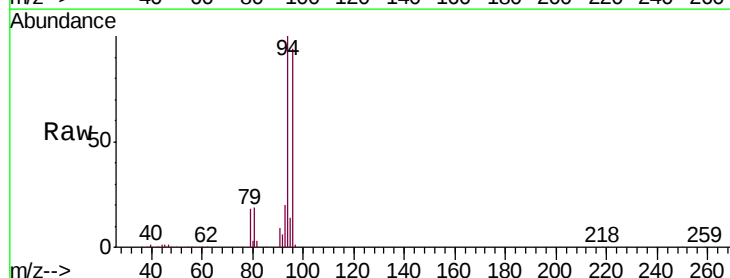
Acq: 14 May 2019 12:19

Tgt Ion: 94 Resp: 385837

Ion Ratio Lower Upper

94 100

96 93.5 75.2 112.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.51

300000

250000

200000

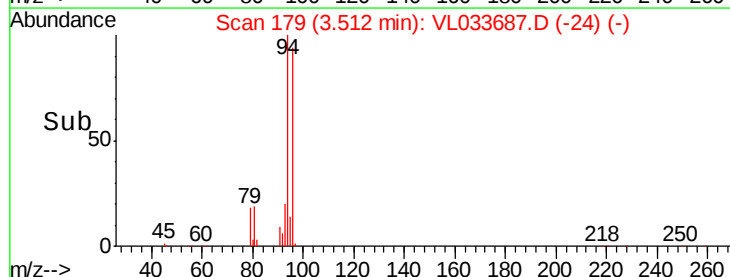
150000

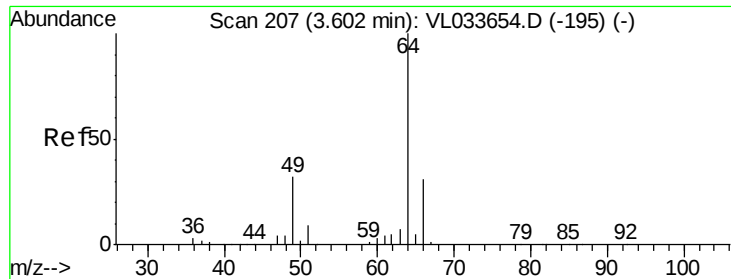
100000

50000

0

Time-->





#7

Chloroethane

Concen: 8.365 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

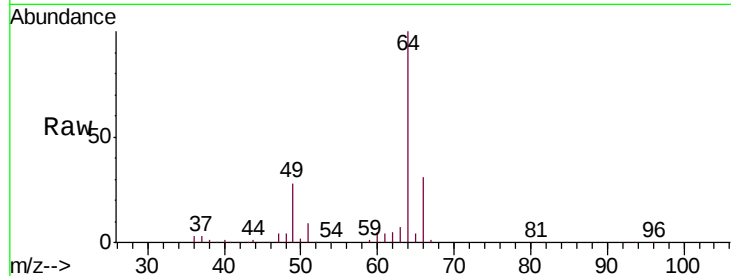
VL0514ABS01

Tgt Ion: 64 Resp: 219499

Ion Ratio Lower Upper

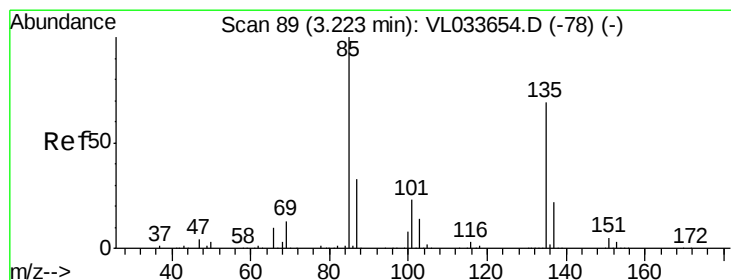
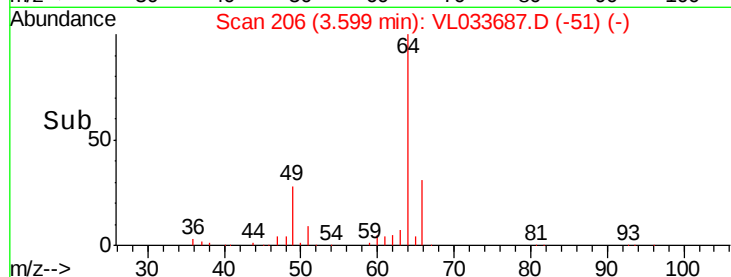
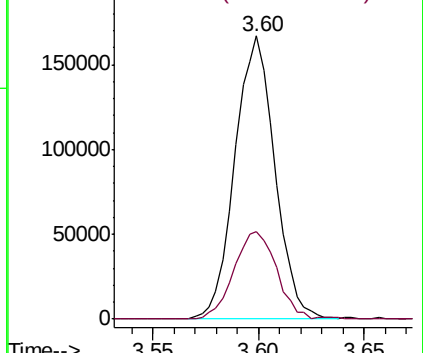
64 100

66 31.0 25.1 37.7



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 7.895 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033687.D

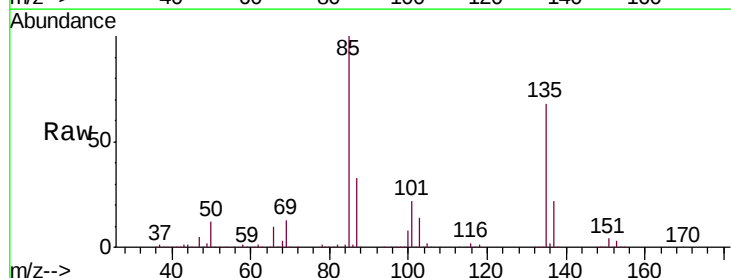
Acq: 14 May 2019 12:19

Tgt Ion: 85 Resp: 1509266

Ion Ratio Lower Upper

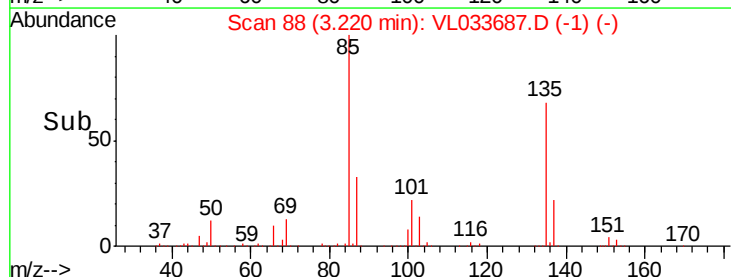
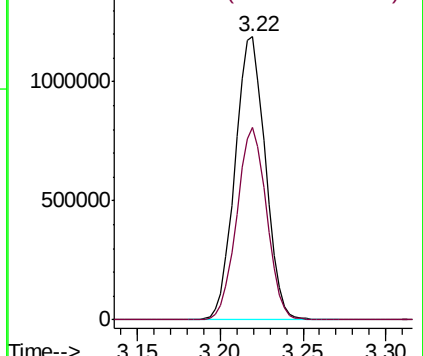
85 100

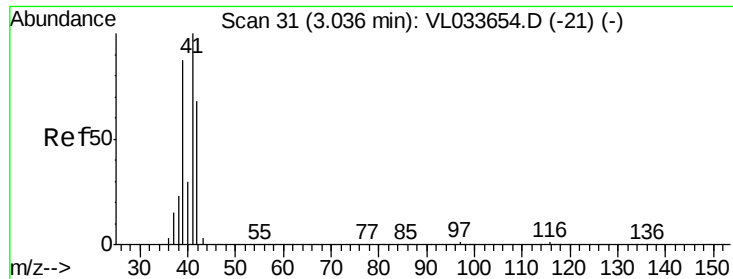
135 67.1 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 8.202 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.00 min

Lab File: VL033687.D

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ClientSampleId :

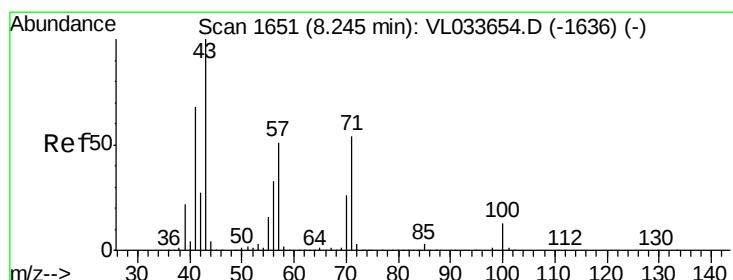
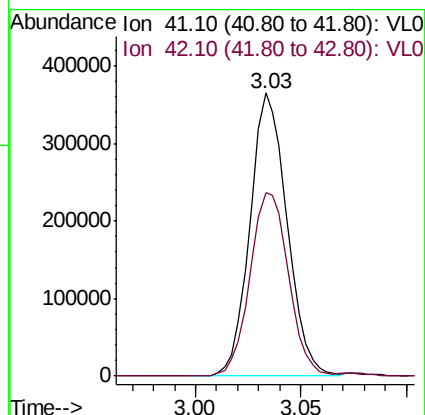
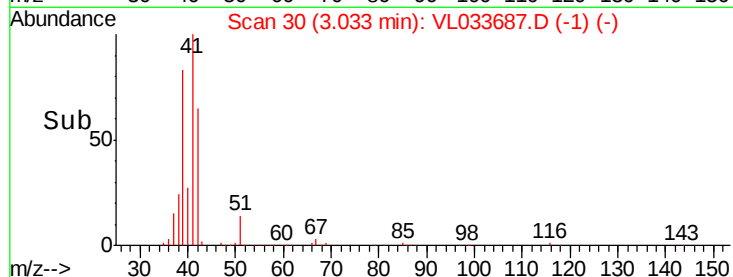
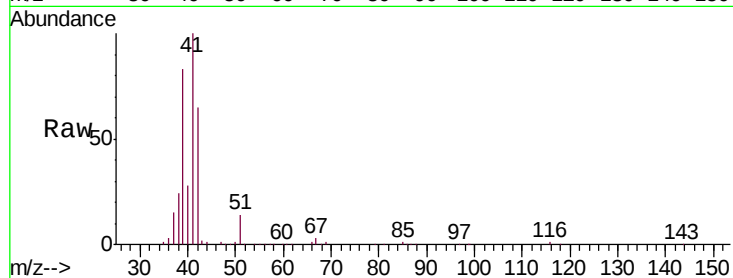
VL0514ABS01

Tgt Ion: 41 Resp: 447190

Ion Ratio Lower Upper

41 100

42 68.4 55.6 83.4



#10

Heptane

Concen: 9.893 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. 0.00 min

Lab File: VL033687.D

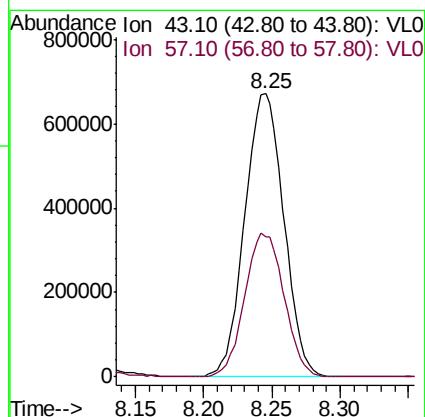
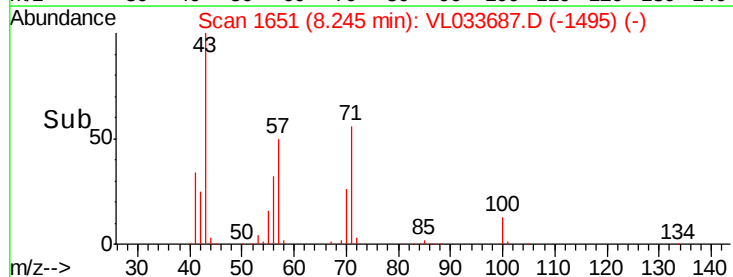
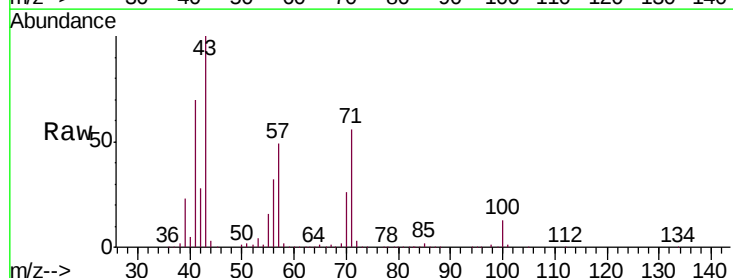
Acq: 14 May 2019 12:19

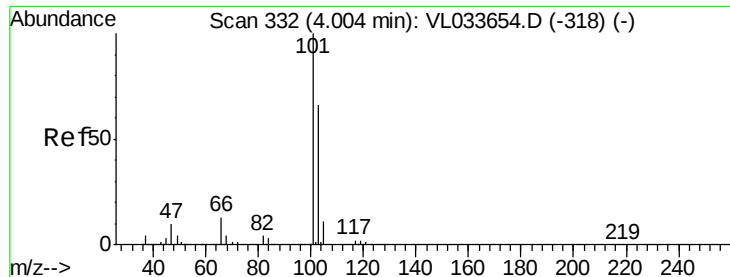
Tgt Ion: 43 Resp: 1331059

Ion Ratio Lower Upper

43 100

57 51.4 41.8 62.6





#11

Trichlorofluoromethane

Concen: 8.311 ppbv

RT: 4.00 min Scan# 331

Delta R.T. -0.00 min

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ClientSampleId :

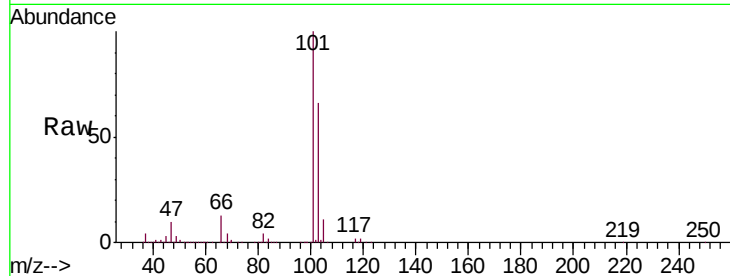
VL0514ABS01

Tgt Ion:101 Resp: 1802475

Ion Ratio Lower Upper

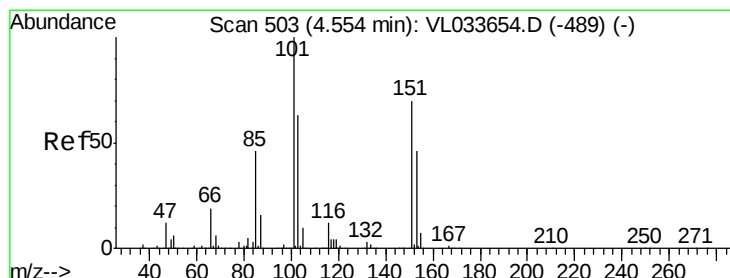
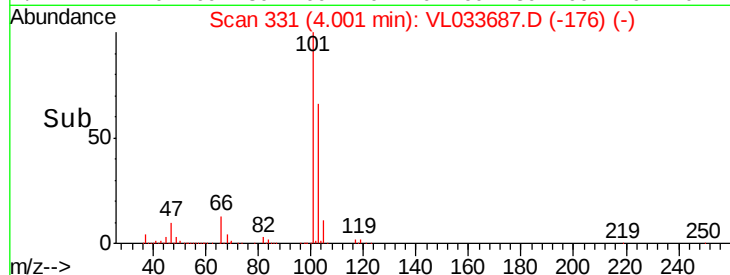
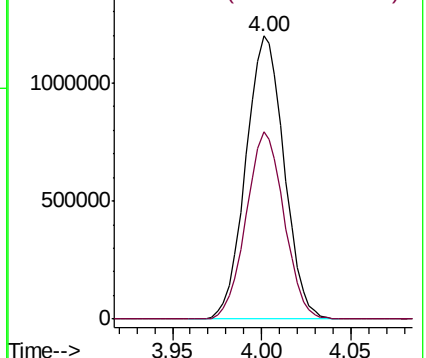
101 100

103 66.0 52.7 79.1



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: 8.358 ppbv

RT: 4.55 min Scan# 502

Delta R.T. -0.00 min

Lab File: VL033687.D

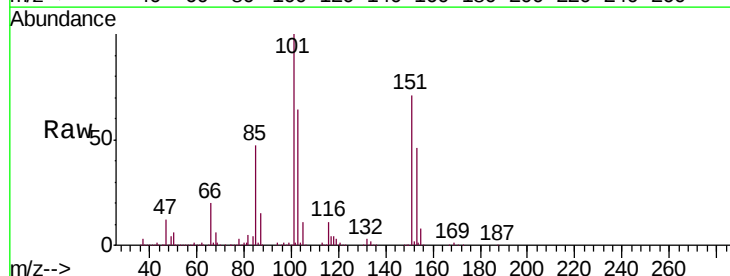
Acq: 14 May 2019 12:19

Tgt Ion:101 Resp: 1218581

Ion Ratio Lower Upper

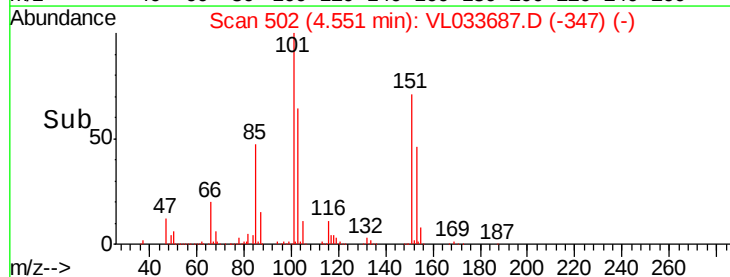
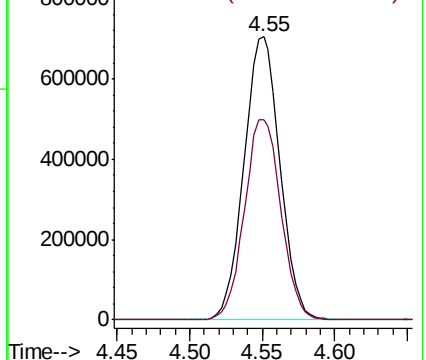
101 100

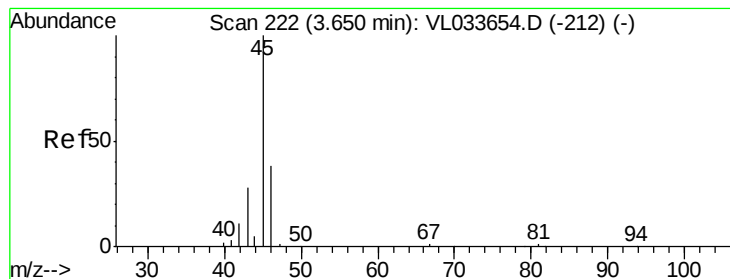
151 71.9 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 7.308 ppbv

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

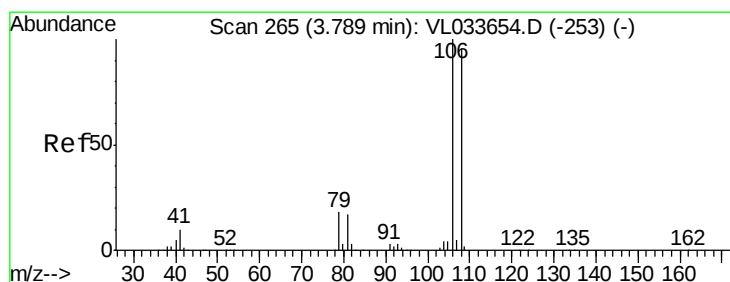
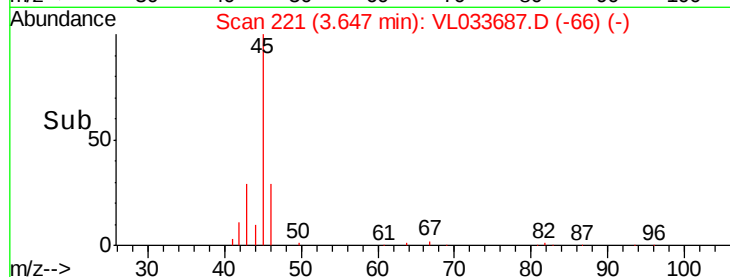
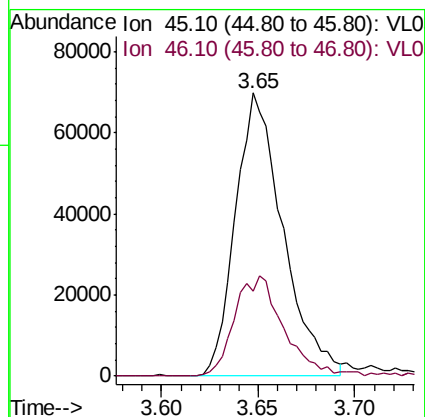
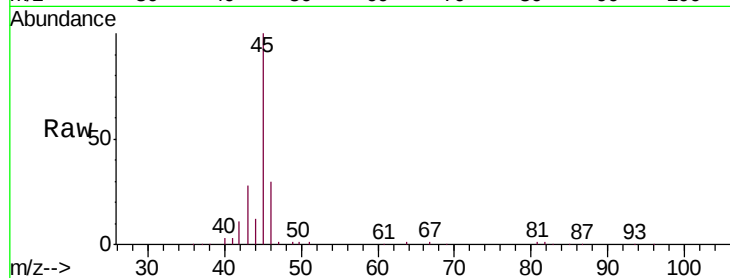
VL0514ABS01

Tgt Ion: 45 Resp: 119596

Ion Ratio Lower Upper

45 100

46 37.5 14.9 59.7



#14

Bromoethene

Concen: 8.272 ppbv

RT: 3.79 min Scan# 264

Delta R.T. -0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

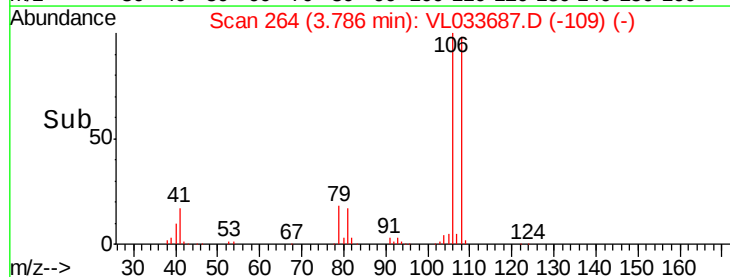
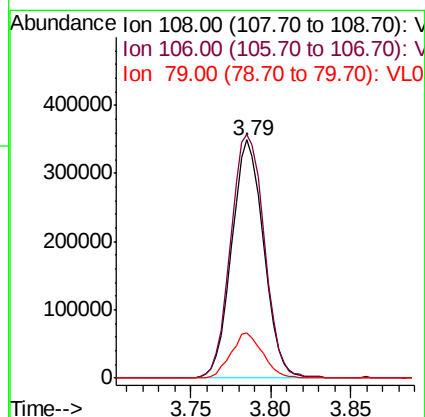
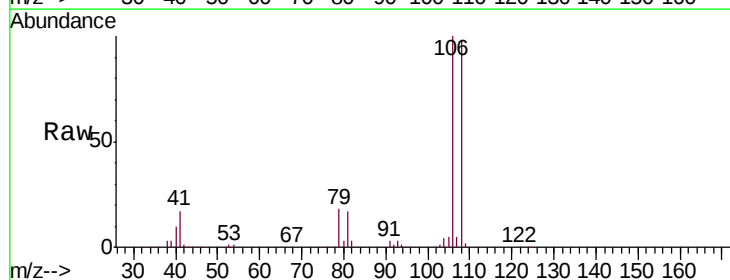
Tgt Ion: 108 Resp: 475386

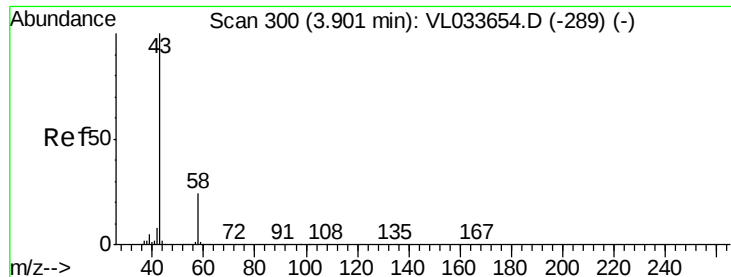
Ion Ratio Lower Upper

108 100

106 107.8 85.7 128.5

79 18.9 15.2 22.8





#15

Acetone

Concen: 7.613 ppbv

RT: 3.90 min Scan# 299

Delta R.T. -0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

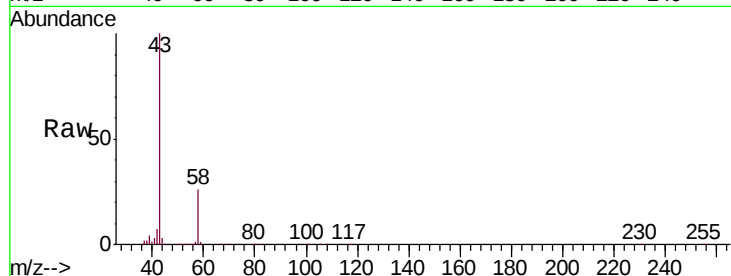
VL0514ABS01

Tgt Ion: 43 Resp: 1121567

Ion Ratio Lower Upper

43 100

58 26.0 20.9 31.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.90

800000

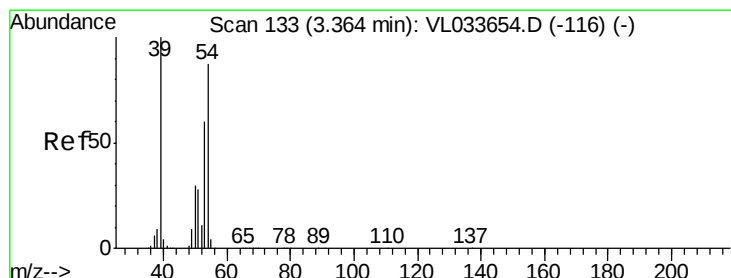
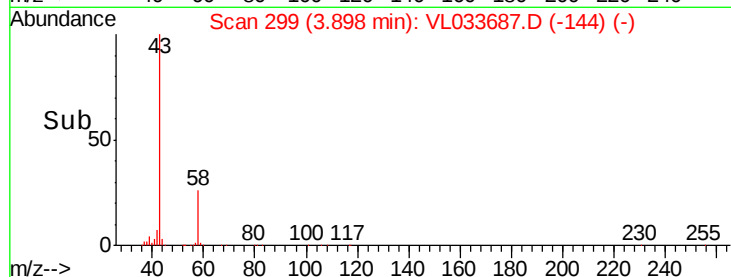
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 8.232 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033687.D

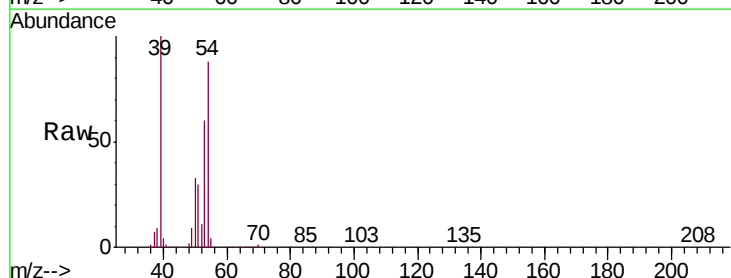
Acq: 14 May 2019 12:19

Tgt Ion: 39 Resp: 520125

Ion Ratio Lower Upper

39 100

54 83.6 67.0 100.4



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.36

400000

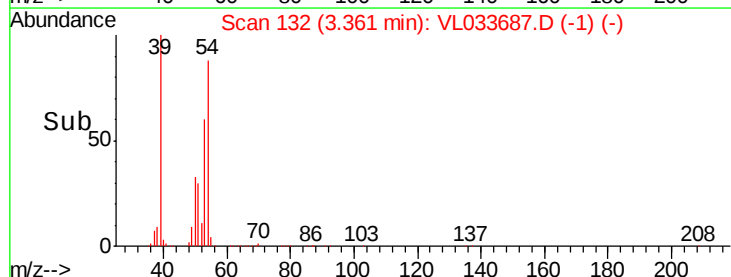
300000

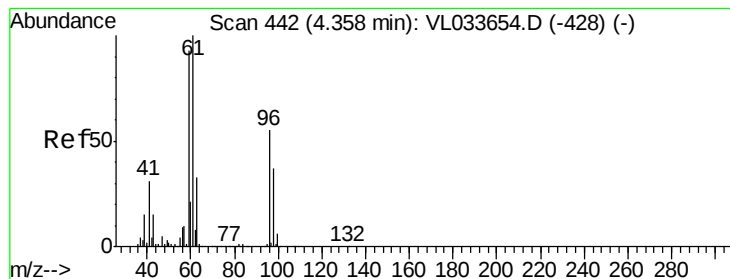
200000

100000

0

Time-->



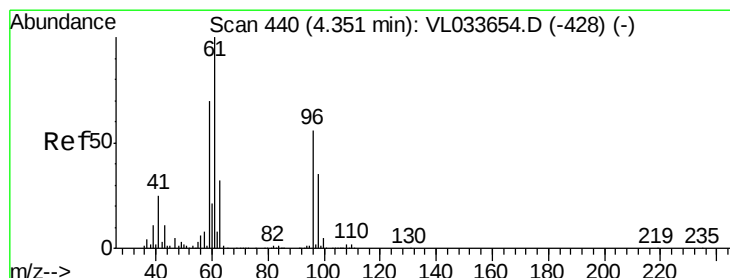
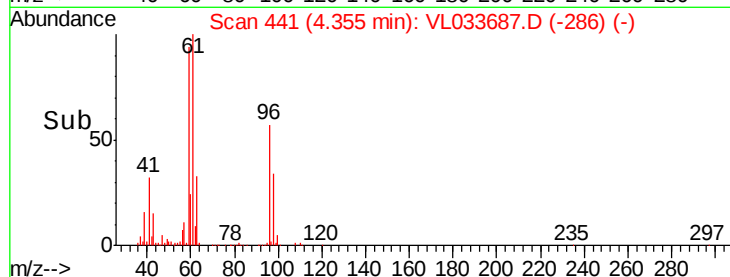
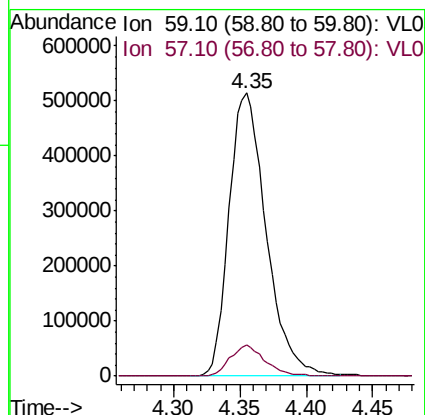
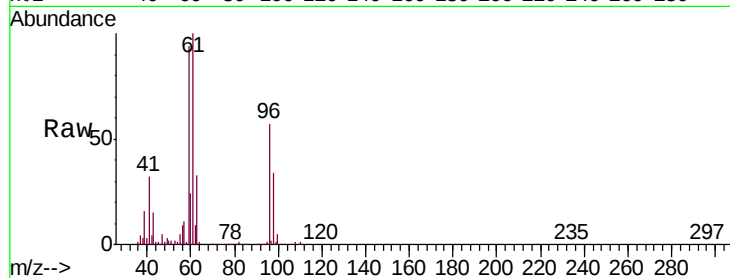


#17

tert-Butyl alcohol
 Concen: 8.957 ppbv
 RT: 4.35 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

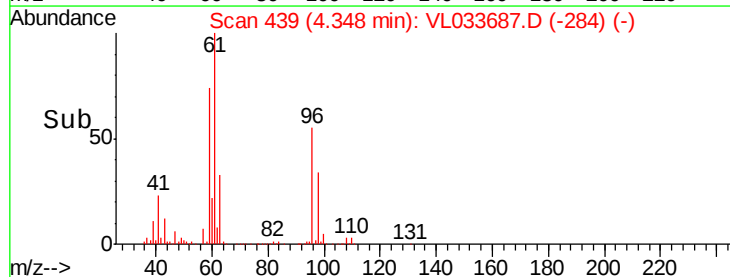
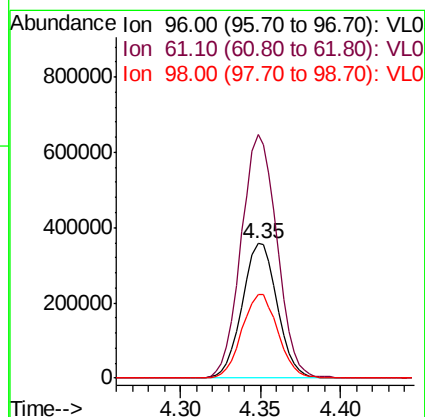
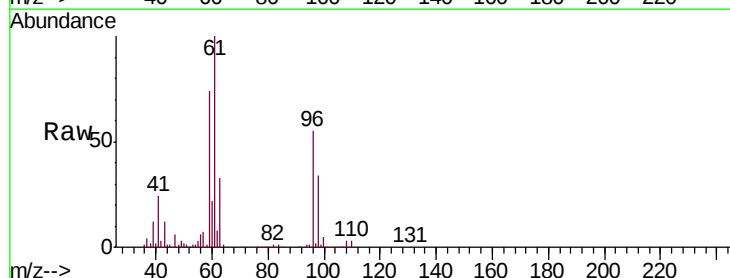
Tgt Ion: 59 Resp: 1002212
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.4 12.6

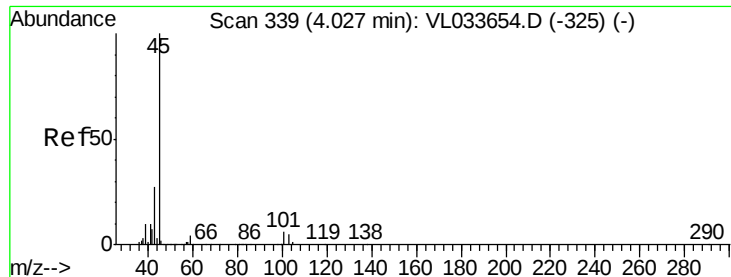


#18

1,1-Dichloroethene
 Concen: 8.464 ppbv
 RT: 4.35 min Scan# 439
 Delta R.T. -0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Tgt Ion: 96 Resp: 532790
 Ion Ratio Lower Upper
 96 100
 61 181.1 143.4 215.0
 98 61.9 50.4 75.6





#19

Isopropyl Alcohol

Concen: 8.509 ppbv

RT: 4.02 min Scan# 337

Delta R.T. -0.01 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

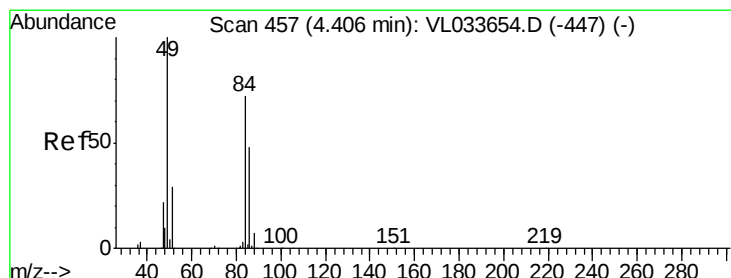
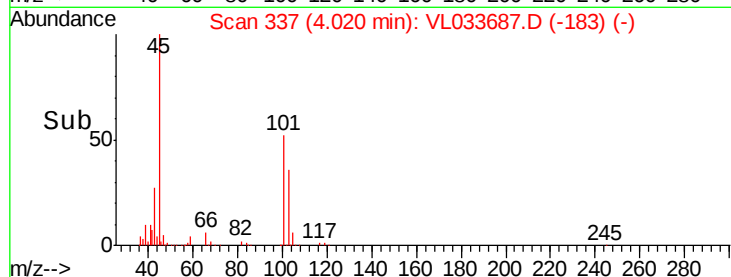
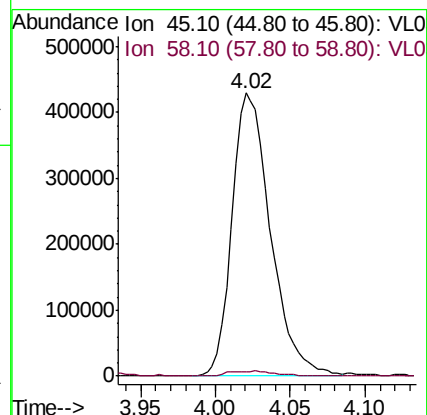
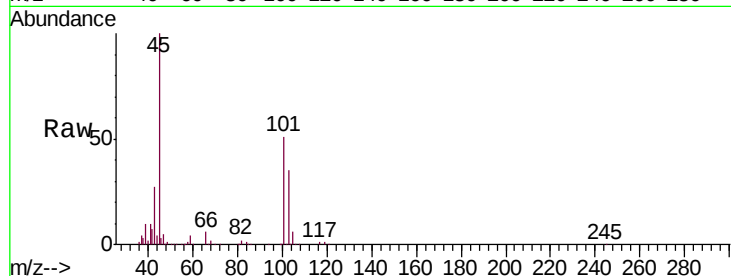
VL0514ABS01

Tgt Ion: 45 Resp: 770093

Ion Ratio Lower Upper

45 100

58 2.4 2.0 3.0



#20

Methylene Chloride

Concen: 8.000 ppbv

RT: 4.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Tgt Ion: 84 Resp: 447471

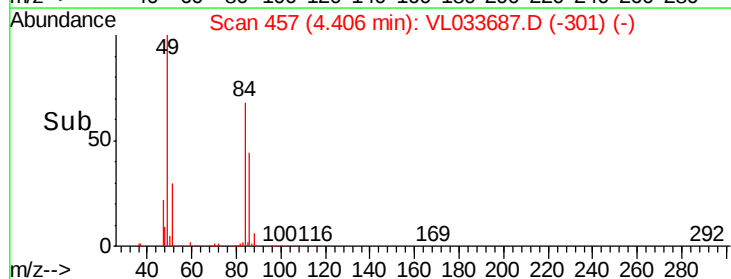
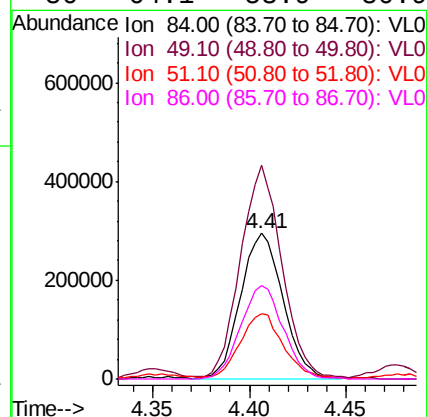
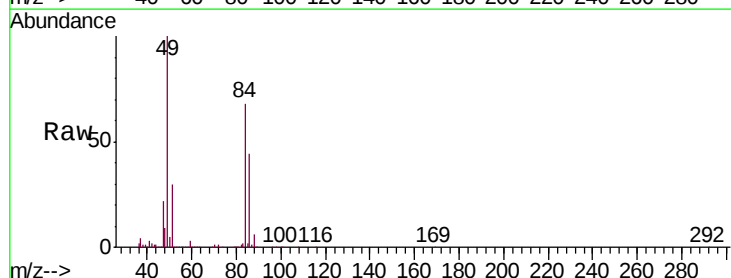
Ion Ratio Lower Upper

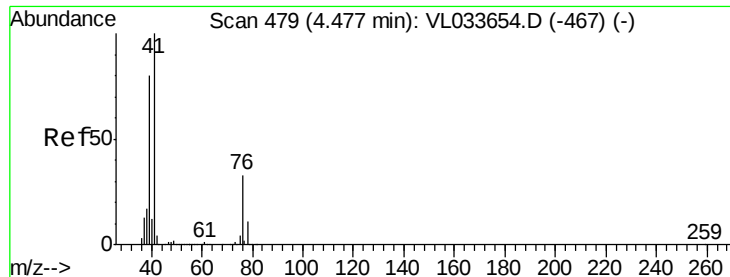
84 100

49 145.8 111.8 167.6

51 44.0 32.3 48.5

86 64.1 53.9 80.9

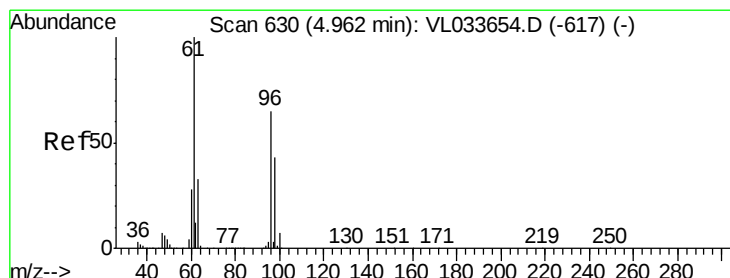
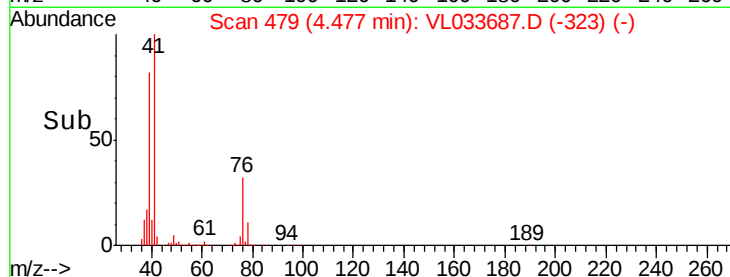
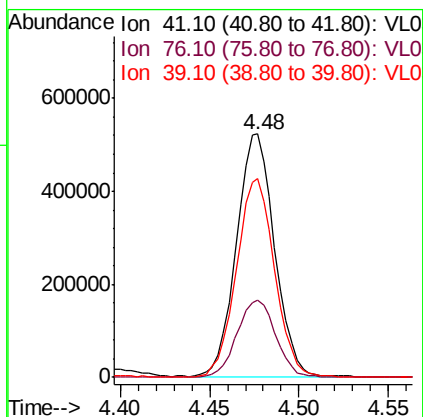
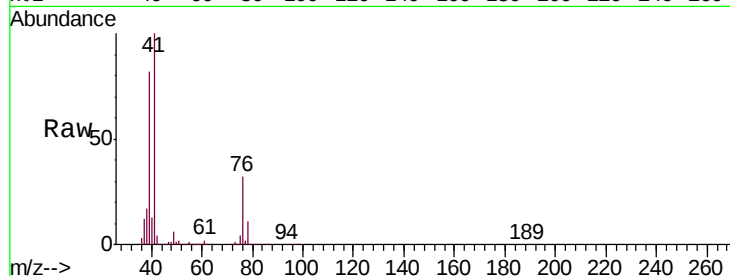




#21
 Allyl Chloride
 Concen: 8.712 ppbv
 RT: 4.48 min Scan# 479
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

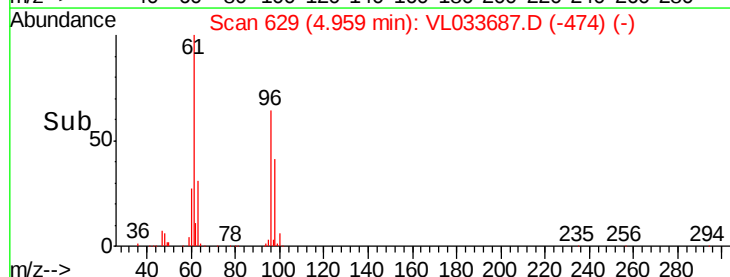
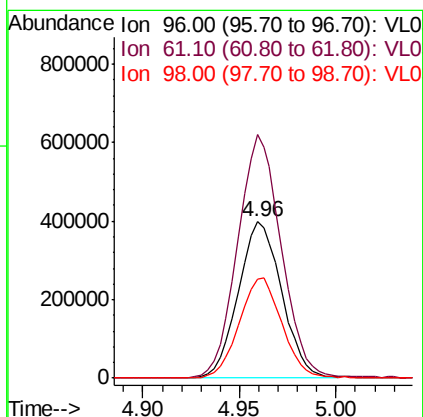
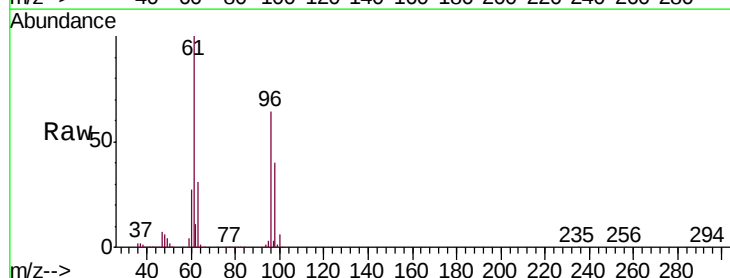
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

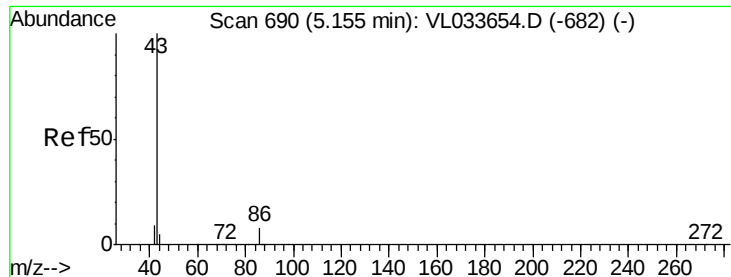
Tgt Ion: 41 Resp: 776826
 Ion Ratio Lower Upper
 41 100
 76 32.5 26.0 39.0
 39 82.6 64.4 96.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.807 ppbv
 RT: 4.96 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Tgt Ion: 96 Resp: 619715
 Ion Ratio Lower Upper
 96 100
 61 155.9 123.1 184.7
 98 63.1 52.6 79.0





#23

Vinyl Acetate

Concen: 10.156 ppbv

RT: 5.15 min Scan# 689

Delta R.T. -0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

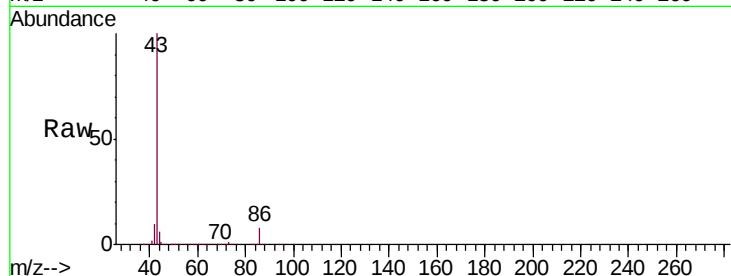
MSVOA_L

ClientSampleId :

VL0514ABS01

Tgt Ion: 43 Resp: 1944207

Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.0	9.0
42	9.7	8.0	12.0
44	5.7	3.9	5.9

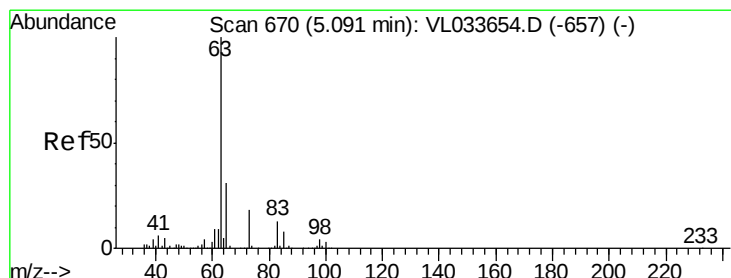
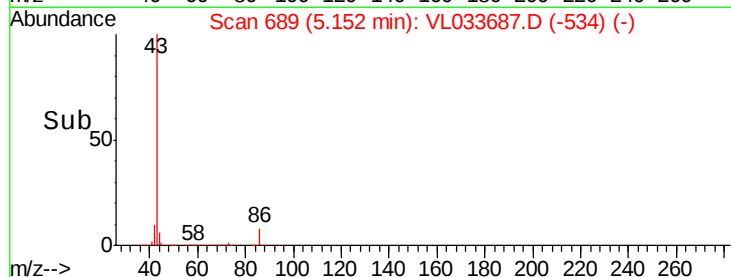
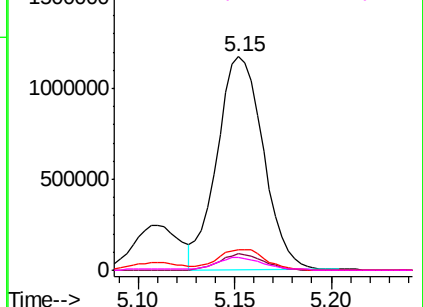


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.331 ppbv

RT: 5.09 min Scan# 670

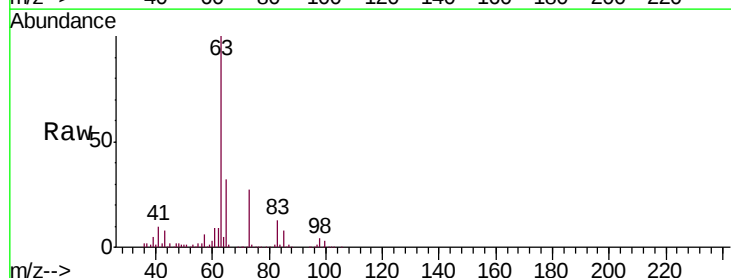
Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Tgt Ion: 63 Resp: 1351234

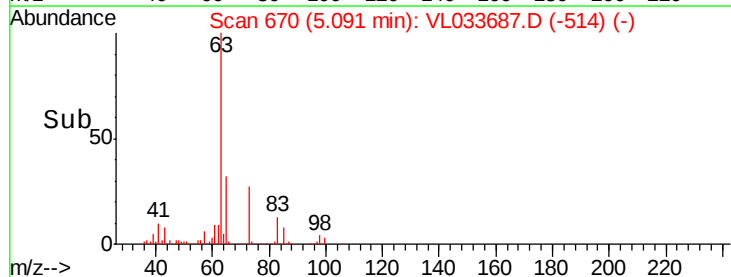
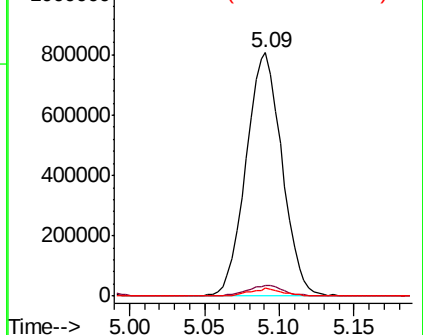
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.2
100	3.1	1.5	4.4

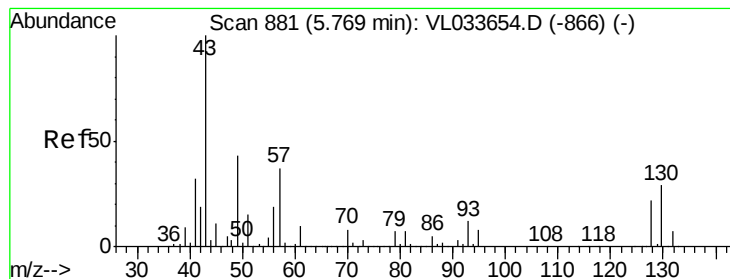


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.735 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tgt Ion: 43 Resp: 233327

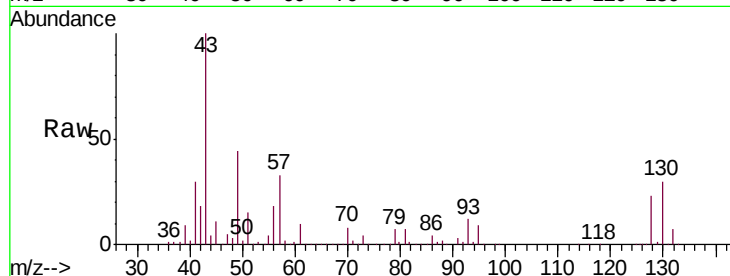
Ion Ratio Lower Upper

43 100

45 10.0 8.0 12.0

61 9.1 7.5 11.3

70 7.1 5.8 8.8

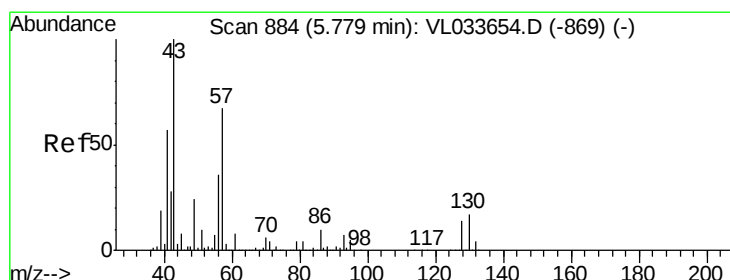
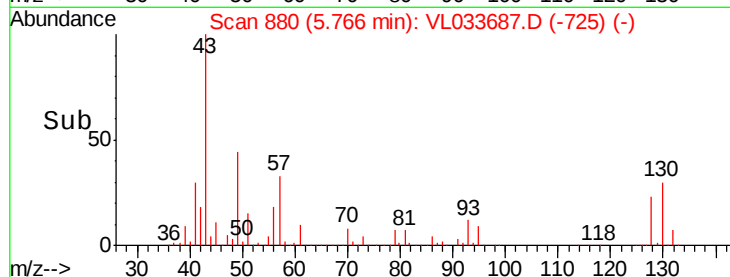
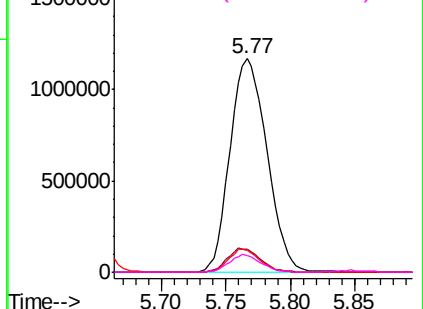


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.927 ppbv

RT: 5.78 min Scan# 884

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Tgt Ion: 57 Resp: 1022719

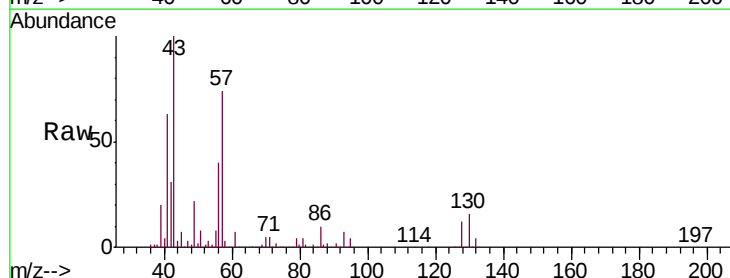
Ion Ratio Lower Upper

57 100

41 89.3 69.7 104.5

43 229.6 181.9 272.9

56 53.2 42.5 63.7

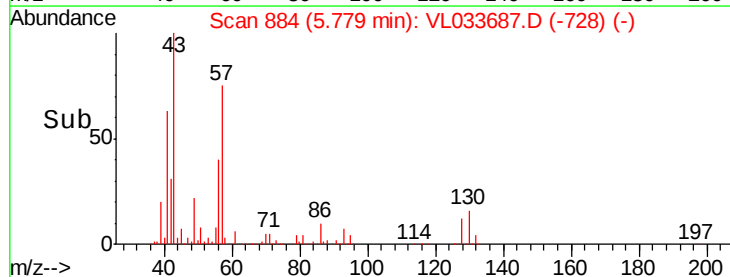
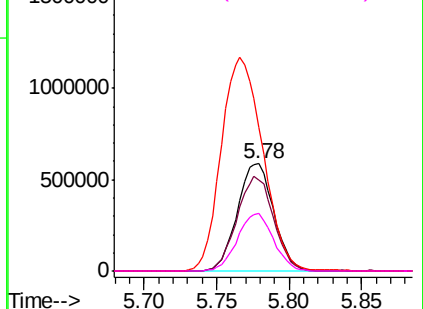


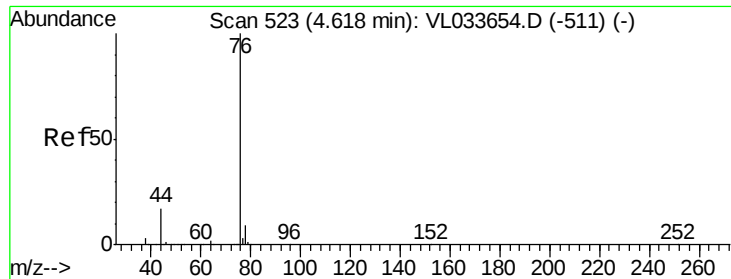
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

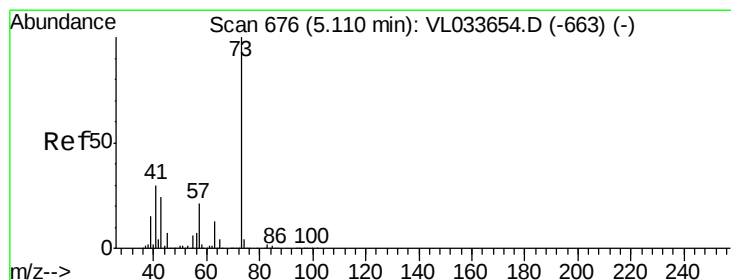
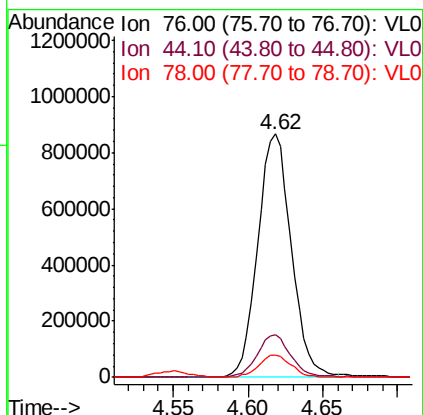
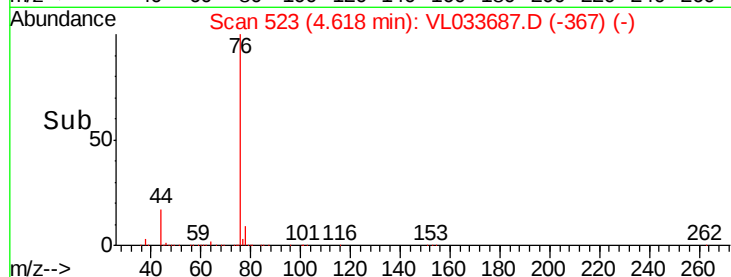
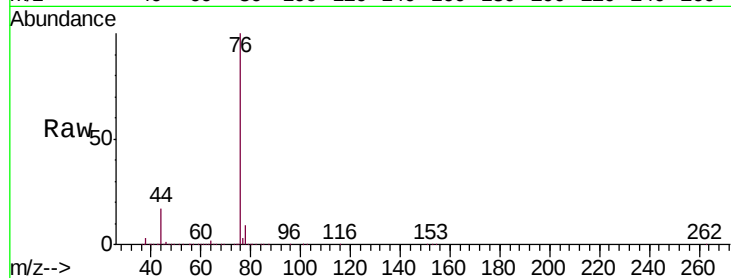




#27
Carbon Disulfide
Concen: 9.582 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

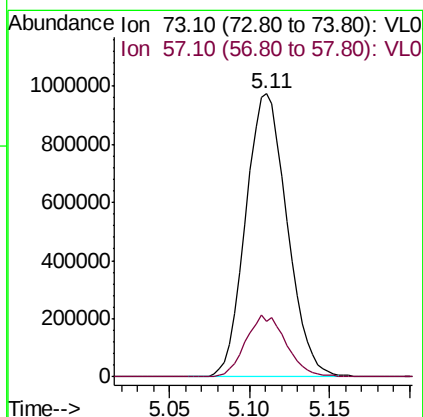
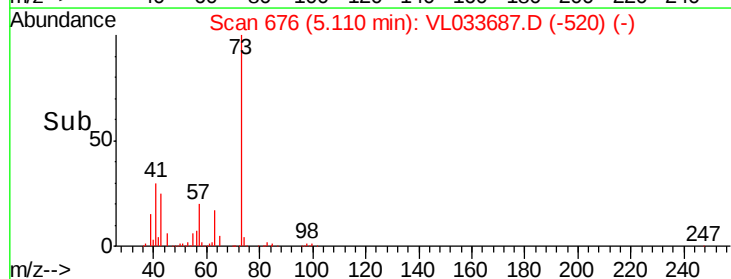
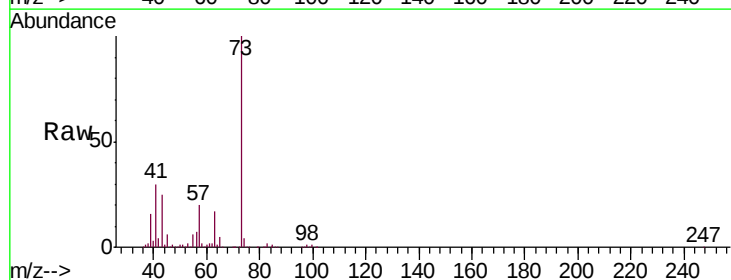
Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

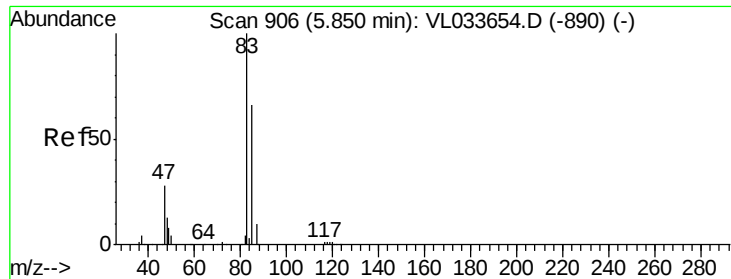
Tgt Ion: 76 Resp: 1350246
Ion Ratio Lower Upper
76 100
44 17.1 14.4 21.6
78 9.0 7.4 11.2



#28
Methyl tert-Butyl Ether
Concen: 9.940 ppbv
RT: 5.11 min Scan# 676
Delta R.T. 0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Tgt Ion: 73 Resp: 1724830
Ion Ratio Lower Upper
73 100
57 21.5 17.4 26.0

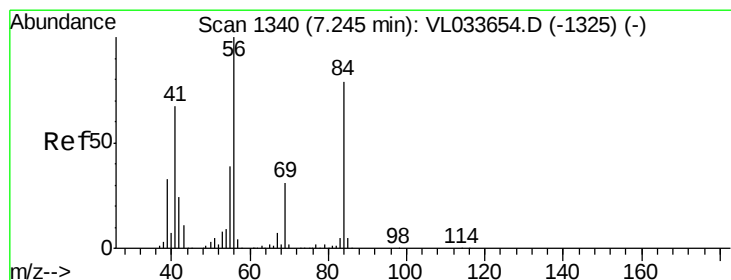
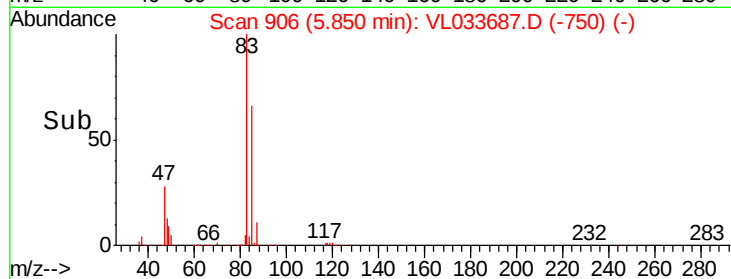
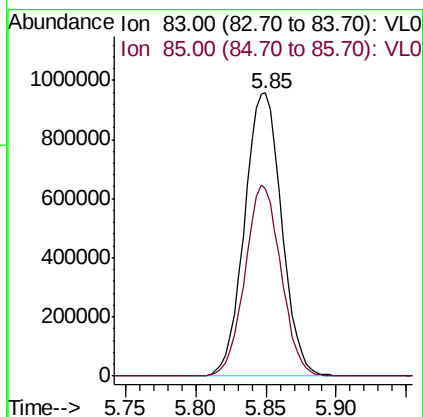
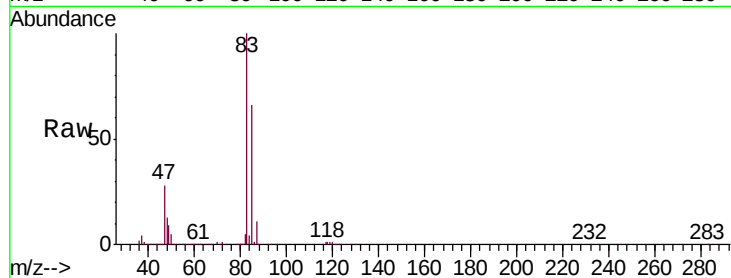




#29
Chloroform
Concen: 9.541 ppbv
RT: 5.85 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

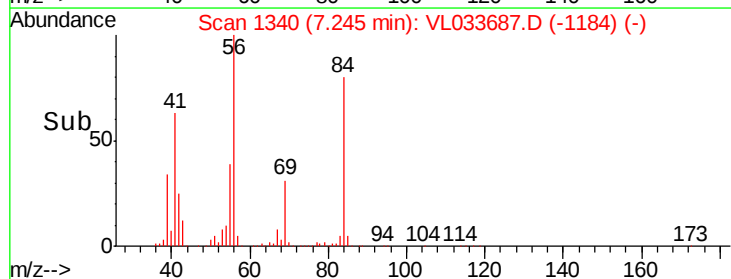
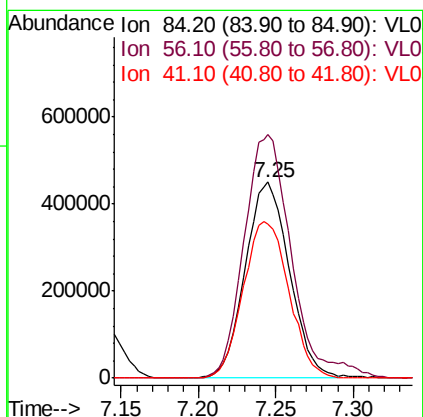
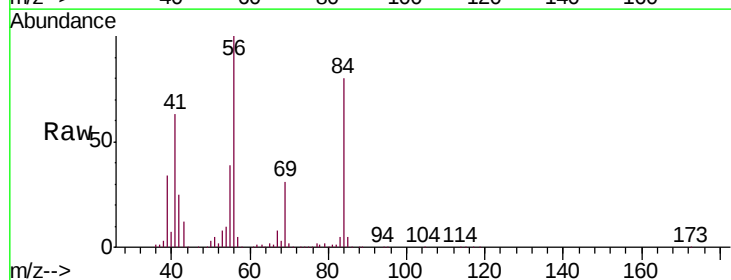
Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

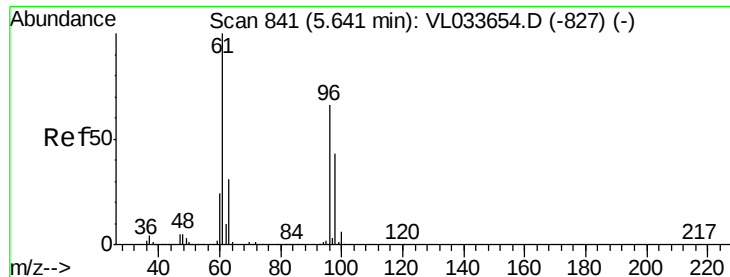
Tgt Ion: 83 Resp: 1767433
Ion Ratio Lower Upper
83 100
85 66.1 52.6 78.8



#30
Cyclohexane
Concen: 10.304 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Tgt Ion: 84 Resp: 891506
Ion Ratio Lower Upper
84 100
56 134.5 107.0 160.4
41 83.3 66.6 99.8



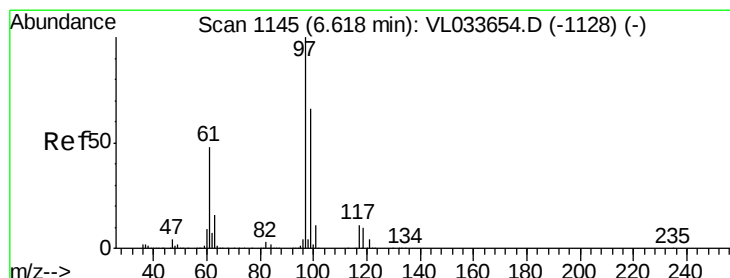
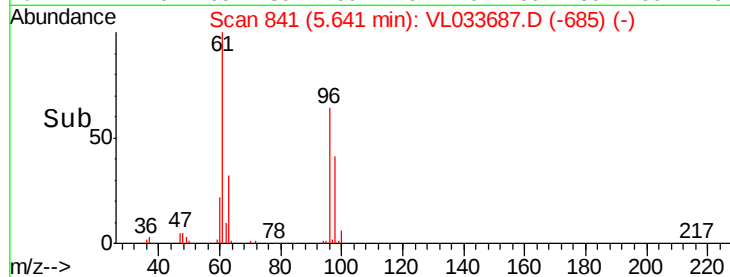
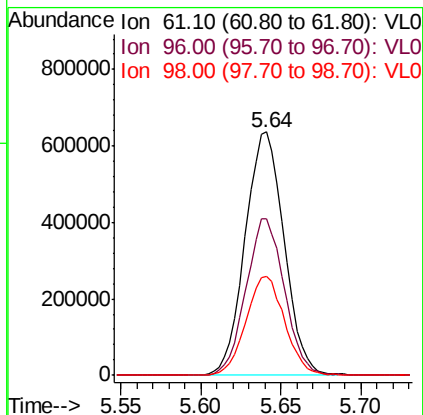
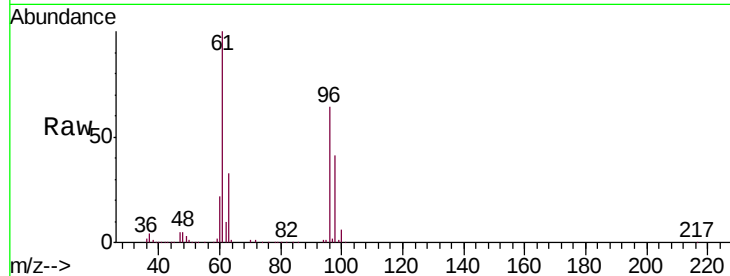


#31

cis-1,2-Dichloroethene
 Concen: 10.373 ppbv
 RT: 5.64 min Scan# 841
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

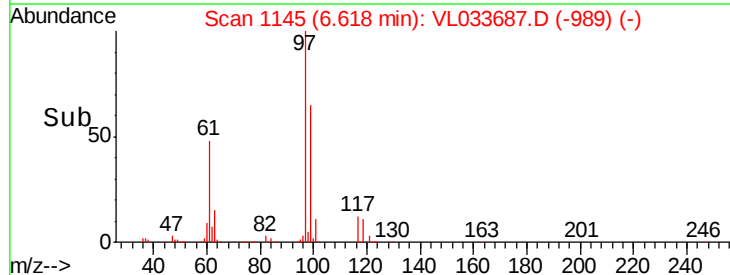
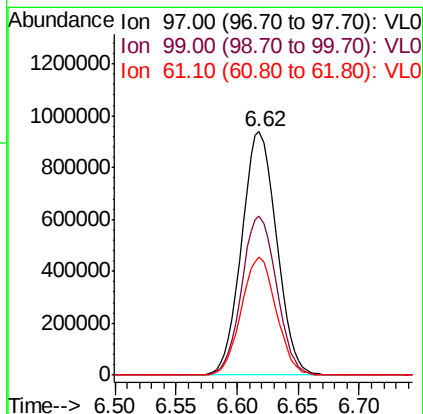
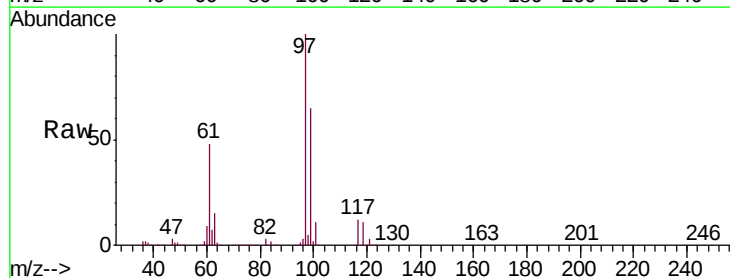
Tgt Ion: 61 Resp: 1063121
 Ion Ratio Lower Upper
 61 100
 96 64.1 53.2 79.8
 98 40.6 34.2 51.4

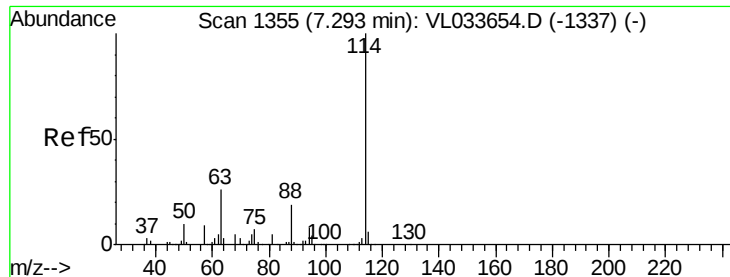


#32

1,1,1-Trichloroethane
 Concen: 9.707 ppbv
 RT: 6.62 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Tgt Ion: 97 Resp: 1856832
 Ion Ratio Lower Upper
 97 100
 99 65.2 51.4 77.2
 61 48.2 38.5 57.7

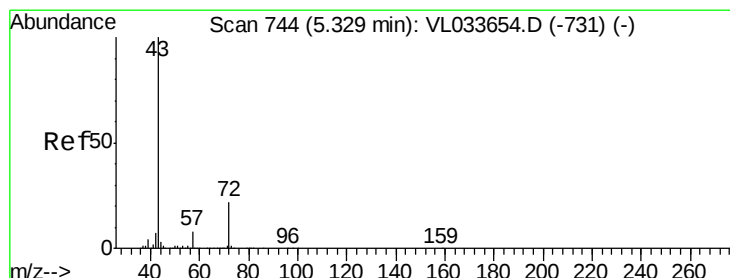
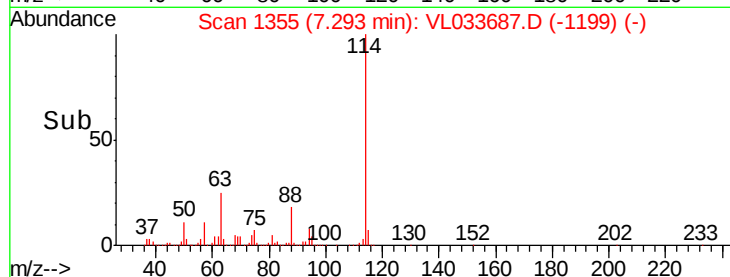
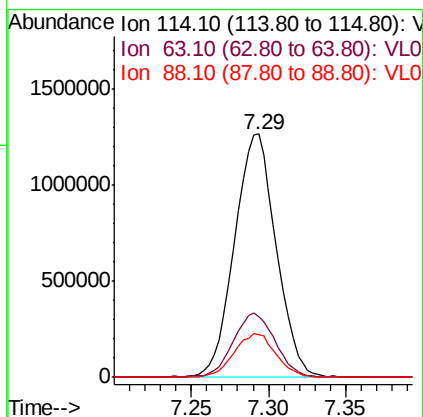
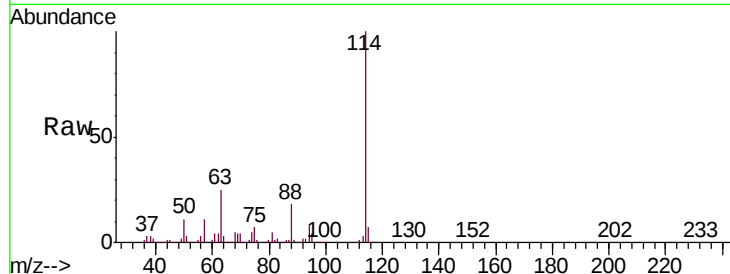




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

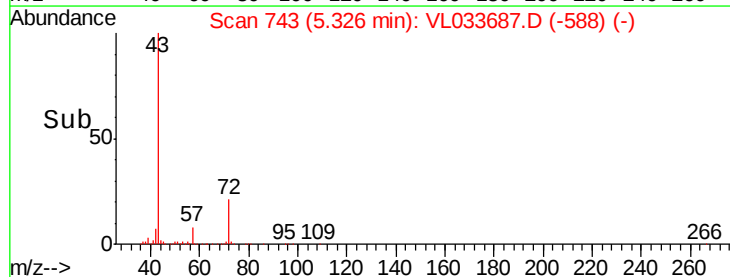
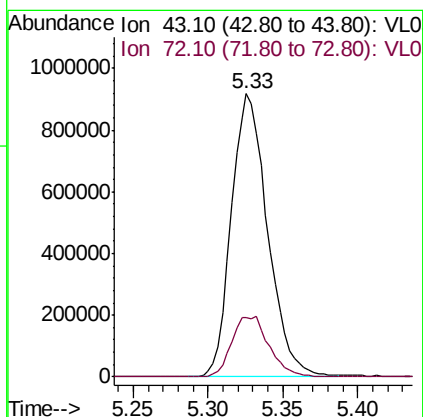
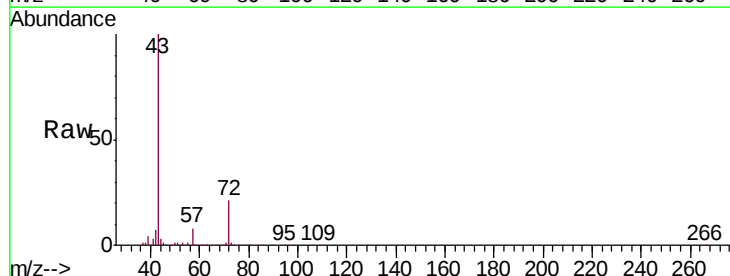
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

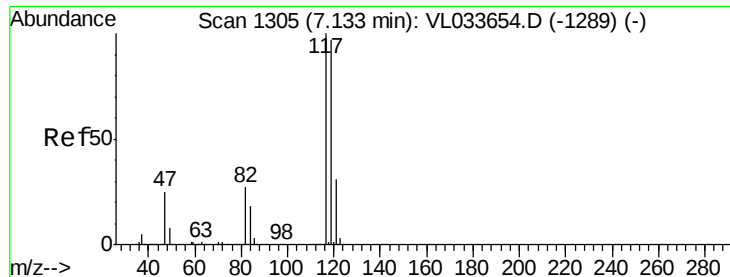
Tgt Ion:114 Resp: 2352011
 Ion Ratio Lower Upper
 114 100
 63 27.2 21.3 31.9
 88 18.1 14.4 21.6



#34
 2-Butanone
 Concen: 10.269 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. -0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Tgt Ion: 43 Resp: 1546586
 Ion Ratio Lower Upper
 43 100
 72 22.2 17.5 26.3





#35

Carbon Tetrachloride

Concen: 10.335 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

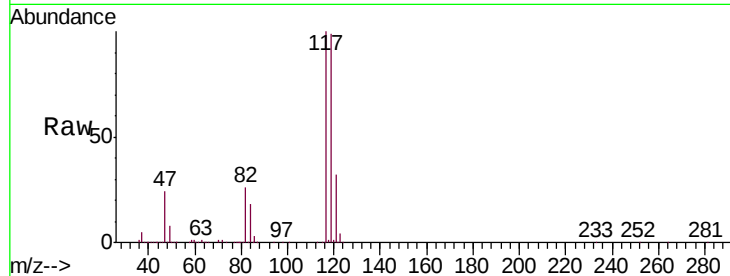
Tgt Ion:117 Resp: 1997755

Ion Ratio Lower Upper

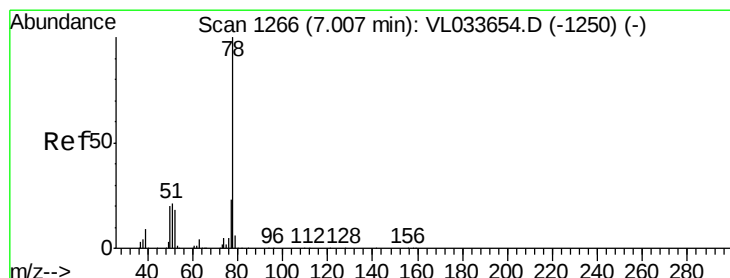
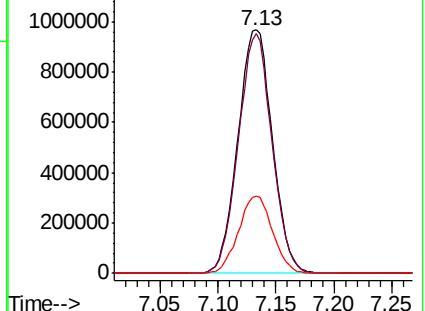
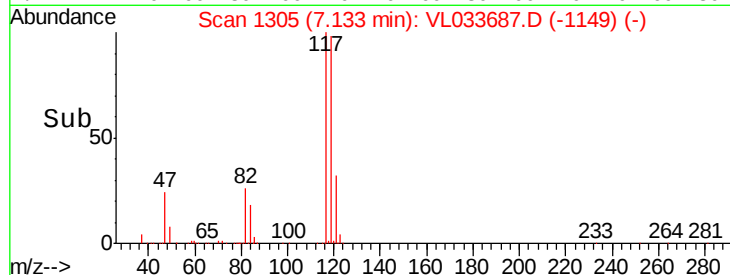
117 100

119 98.5 77.9 116.9

121 31.8 25.0 37.6



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: 10.336 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

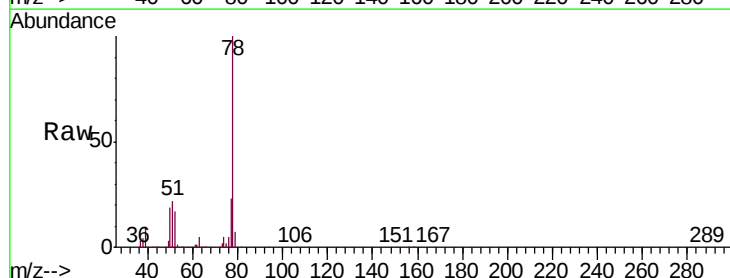
Tgt Ion: 78 Resp: 2179953

Ion Ratio Lower Upper

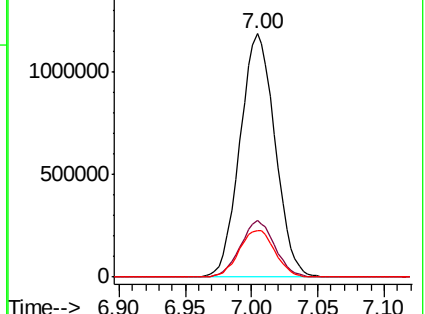
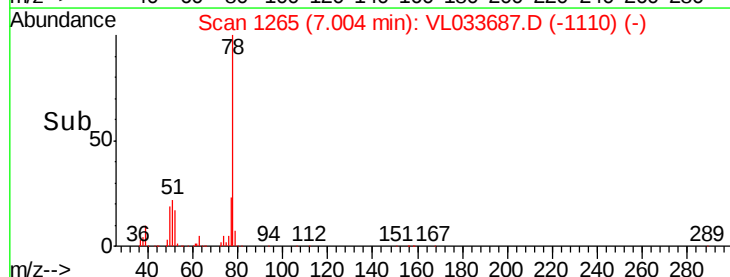
78 100

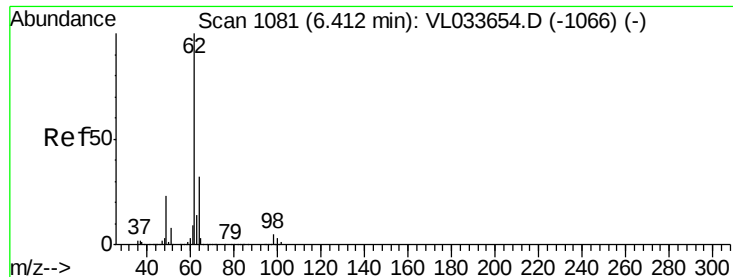
77 23.3 18.2 27.2

50 19.0 15.8 23.6



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: 9.360 ppbv

RT: 6.41 min Scan# 1081

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

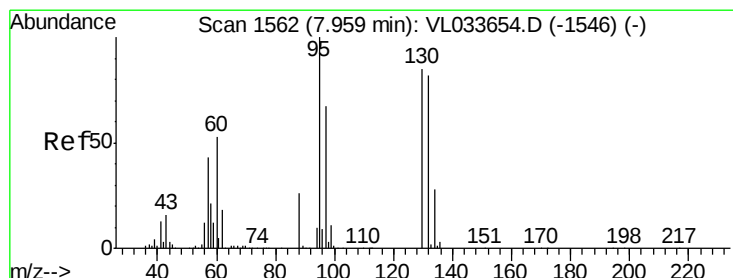
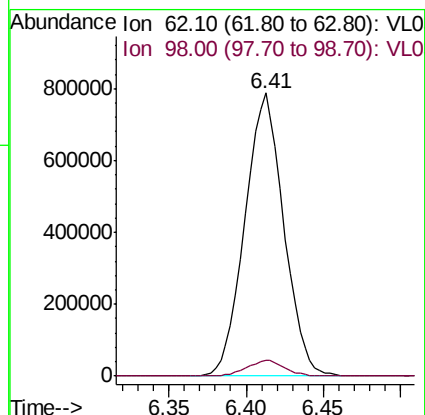
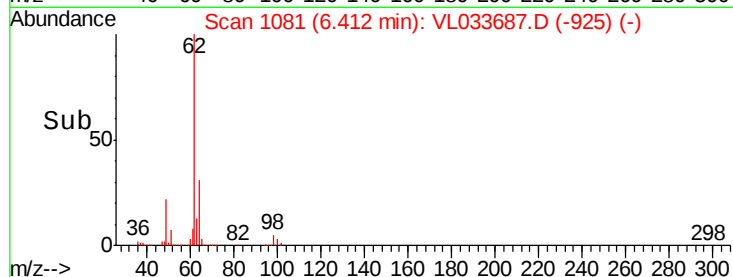
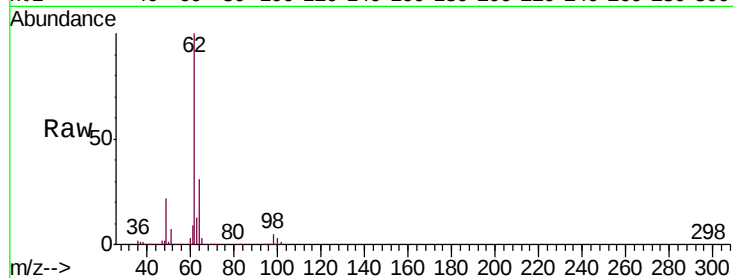
VL0514ABS01

Tgt Ion: 62 Resp: 1377363

Ion Ratio Lower Upper

62 100

98 5.5 4.5 6.7



#38

Trichloroethene

Concen: 11.656 ppbv

RT: 7.96 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Tgt Ion: 130 Resp: 901793

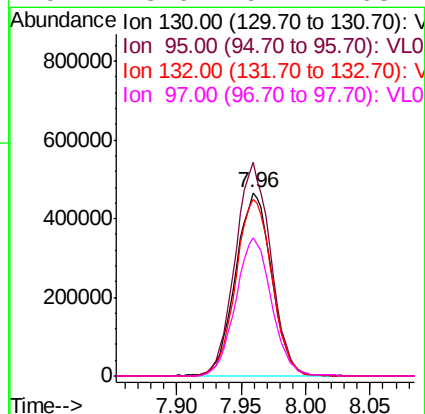
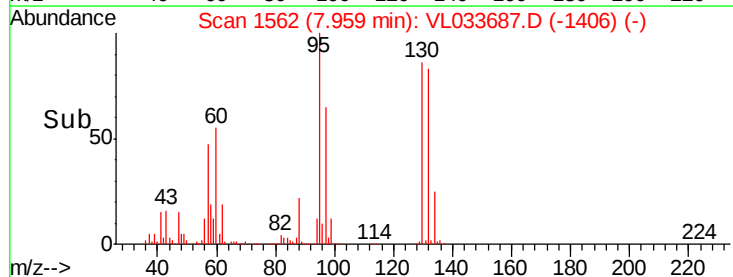
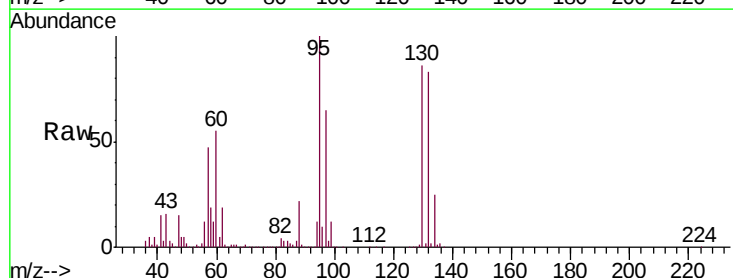
Ion Ratio Lower Upper

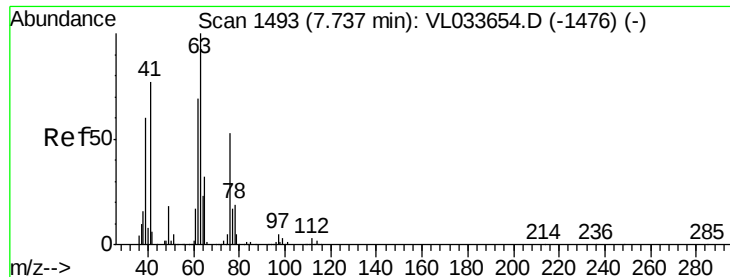
130 100

95 116.7 93.4 140.0

132 96.6 76.2 114.4

97 75.9 62.2 93.4





#39

1,2-Dichloropropane

Concen: 10.115 ppbv

RT: 7.73 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

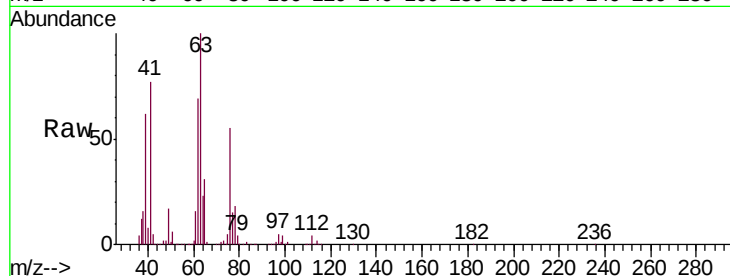
Tgt Ion: 63 Resp: 795100

Ion Ratio Lower Upper

63 100

41 76.4 61.6 92.4

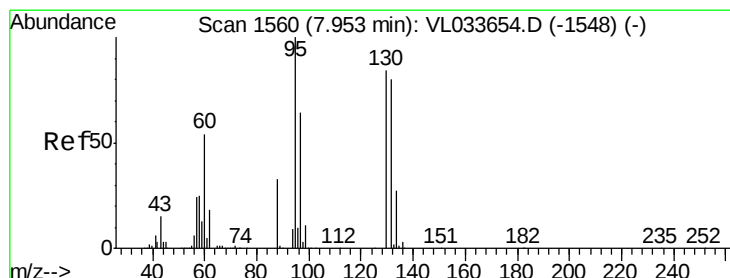
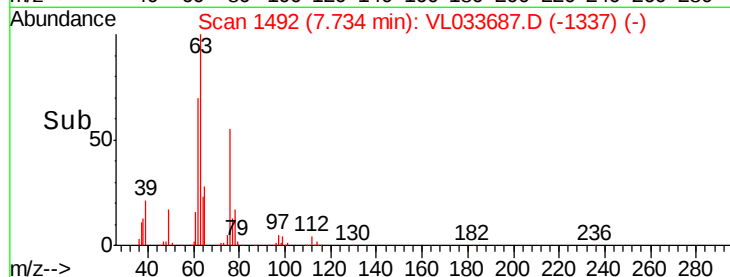
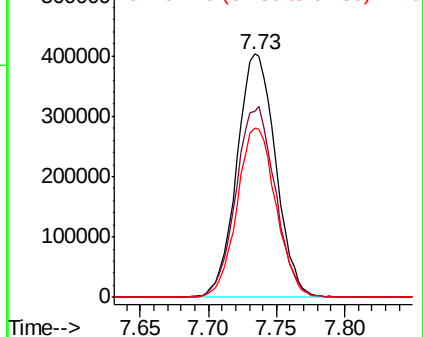
62 69.5 55.0 82.6



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: 10.225 ppbv

RT: 7.95 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Tgt Ion: 88 Resp: 321205

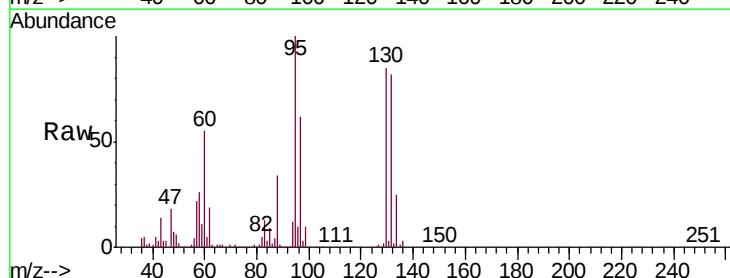
Ion Ratio Lower Upper

88 100

58 127.7 102.3 153.5

43 260.5 206.1 309.1

57 1157.5 910.6 1366.0

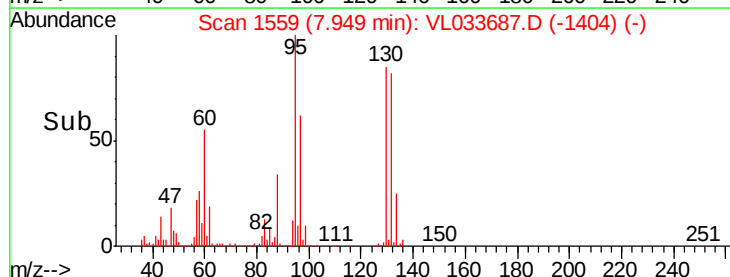
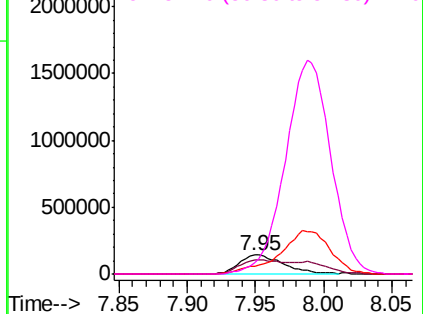


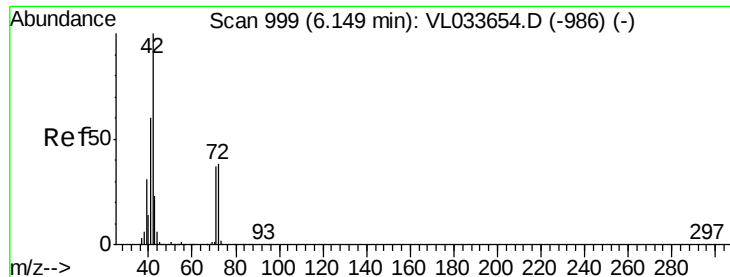
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 11.039 ppbv

RT: 6.15 min Scan# 998

Delta R.T. -0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

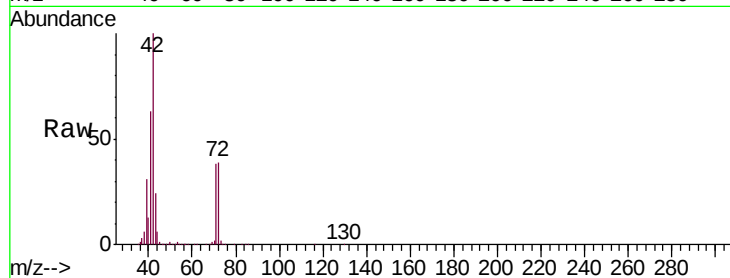
Tgt Ion: 42 Resp: 859210

Ion Ratio Lower Upper

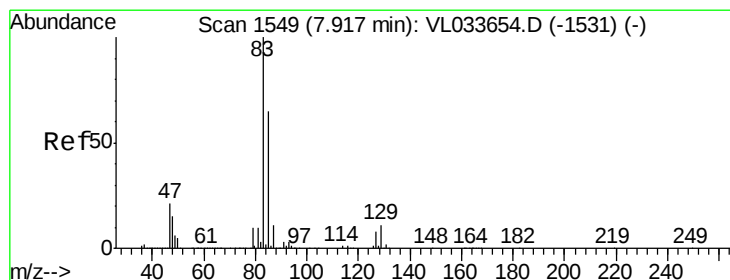
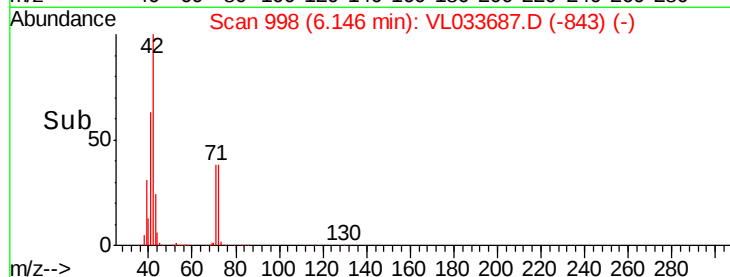
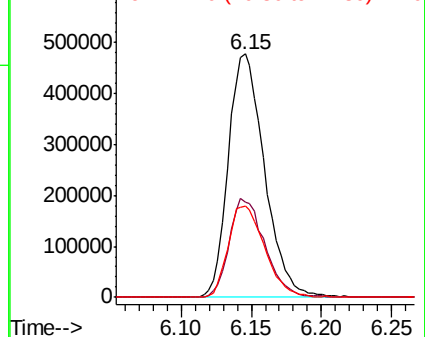
42 100

72 40.0 31.6 47.4

71 38.1 30.6 46.0



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: 10.413 ppbv

RT: 7.92 min Scan# 1549

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

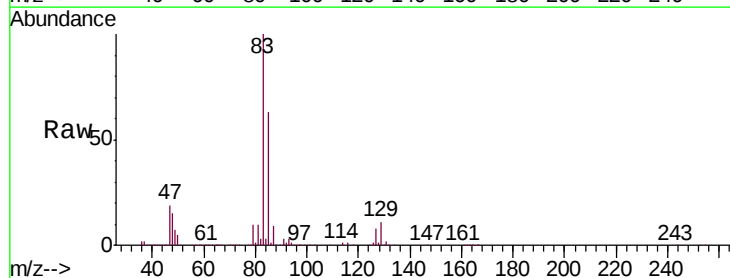
Tgt Ion: 83 Resp: 1978431

Ion Ratio Lower Upper

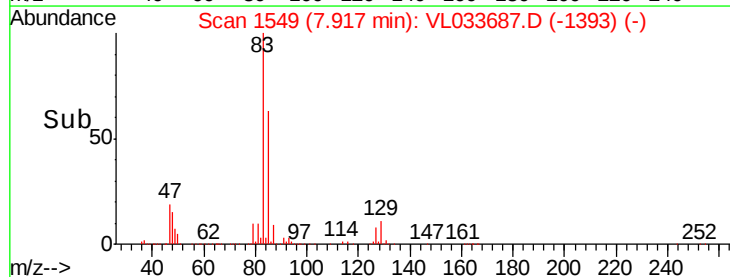
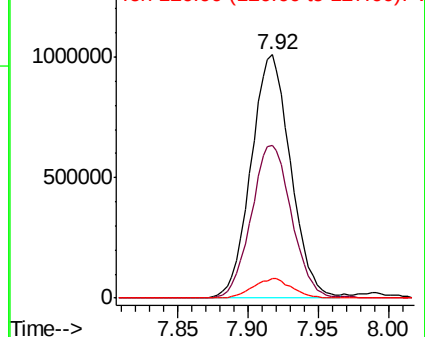
83 100

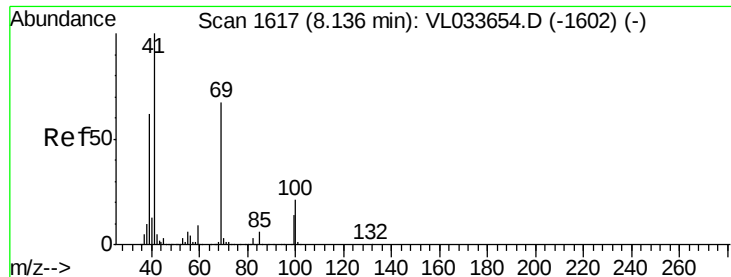
85 62.8 52.4 78.6

127 7.9 6.6 9.8



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

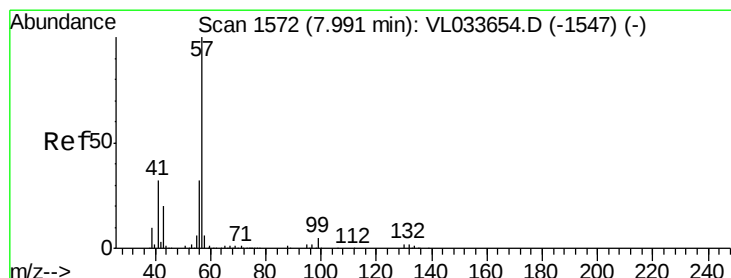
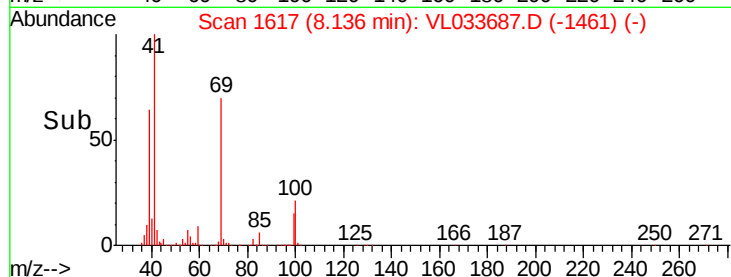
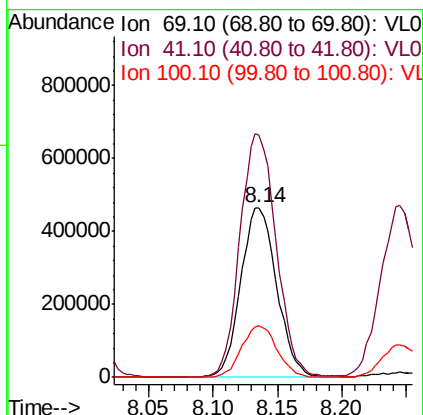
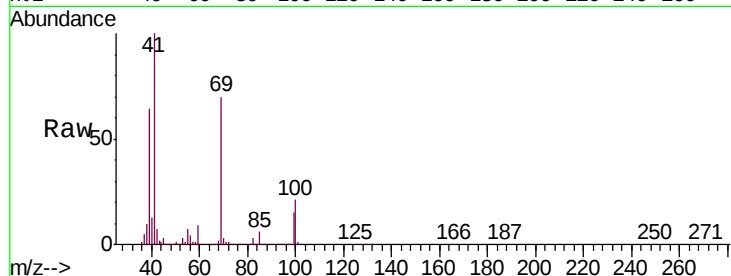




#43
Methyl Methacrylate
Concen: 11.381 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

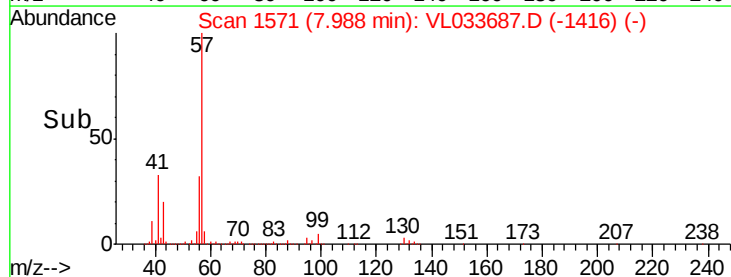
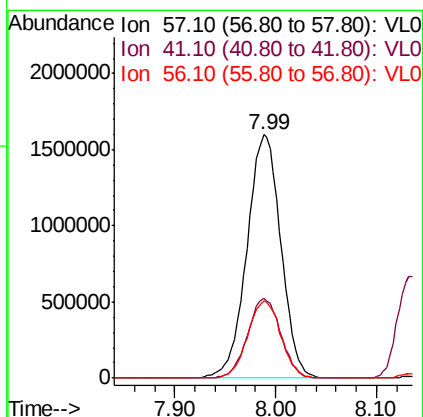
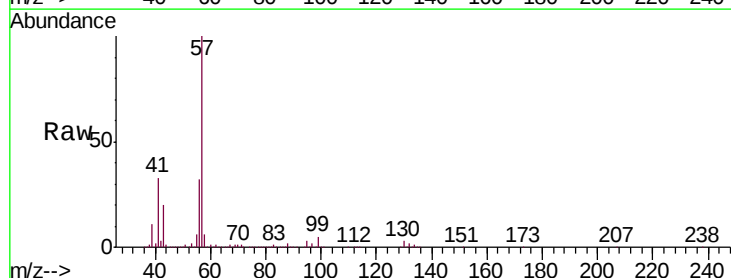
Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

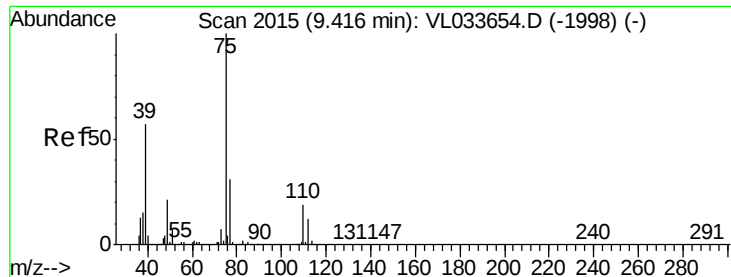
Tgt Ion: 69 Resp: 902902
Ion Ratio Lower Upper
69 100
41 144.9 116.6 175.0
100 30.2 24.6 37.0



#44
2,2,4-Trimethylpentane
Concen: 10.301 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Tgt Ion: 57 Resp: 3714775
Ion Ratio Lower Upper
57 100
41 32.2 25.7 38.5
56 31.1 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 12.354 ppbv

RT: 9.42 min Scan# 2015

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

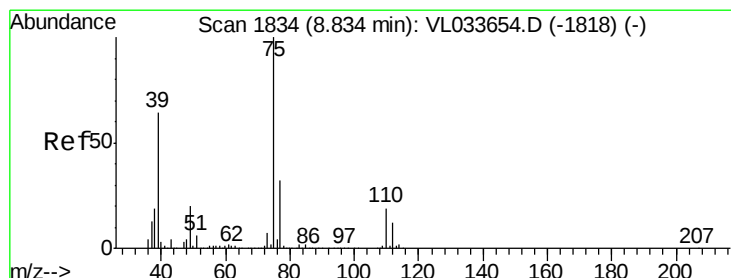
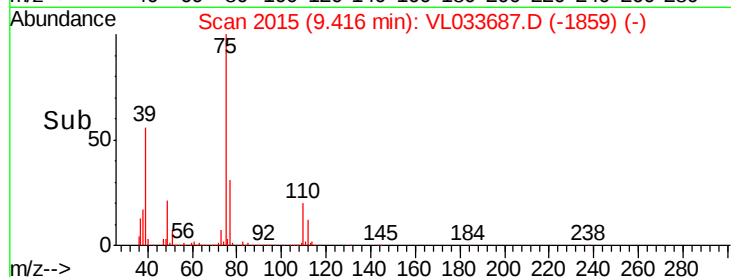
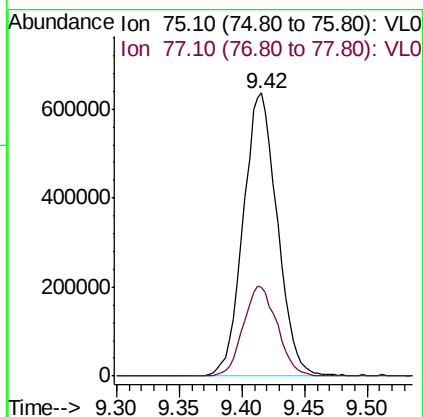
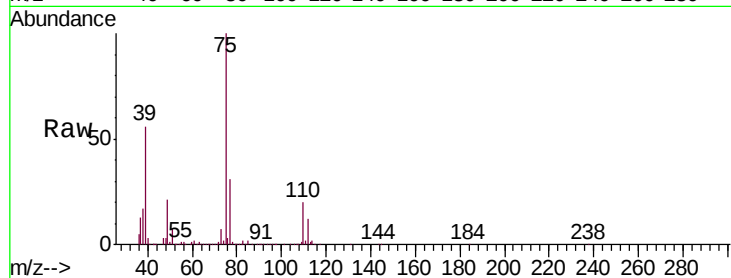
VL0514ABS01

Tgt Ion: 75 Resp: 1202890

Ion Ratio Lower Upper

75 100

77 31.3 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 11.108 ppbv

RT: 8.83 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

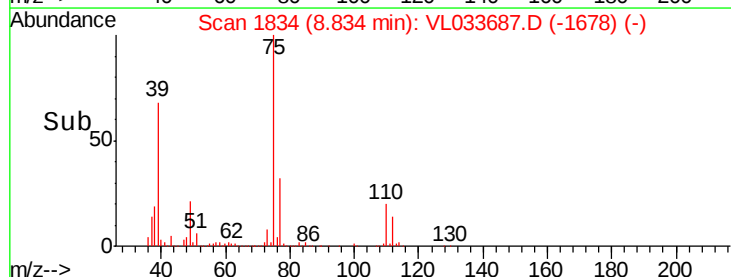
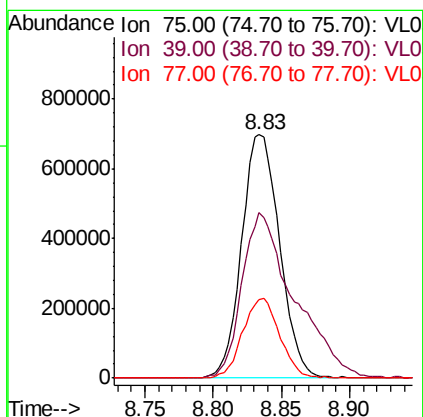
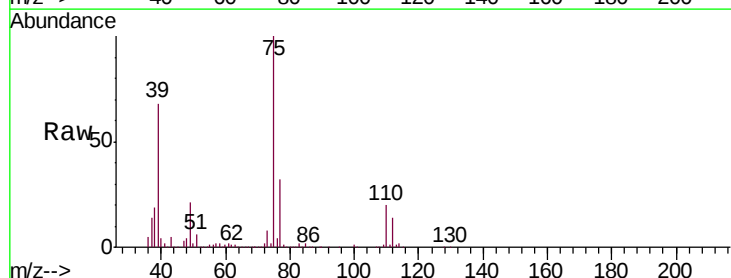
Tgt Ion: 75 Resp: 1349862

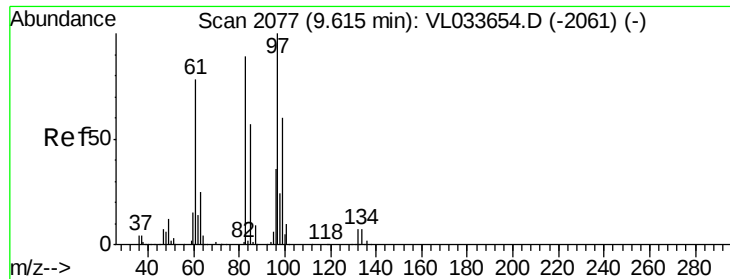
Ion Ratio Lower Upper

75 100

39 67.9 51.5 77.3

77 32.3 25.4 38.0

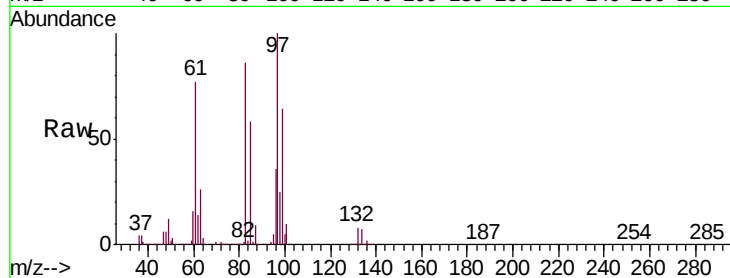




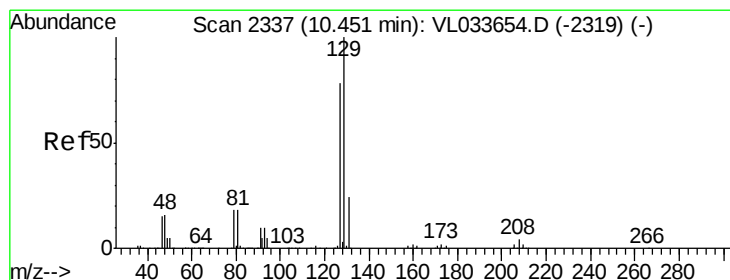
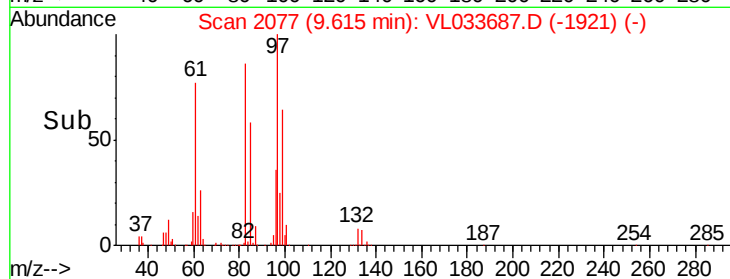
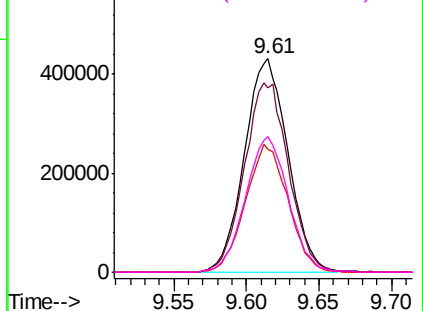
#47
 1,1,2-Trichloroethane
 Concen: 9.974 ppbv
 RT: 9.61 min Scan# 2077
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tgt Ion: 97 Resp: 900349
 Ion Ratio Lower Upper
 97 100
 83 86.3 70.9 106.3
 85 57.5 45.8 68.6
 99 63.5 48.2 72.4

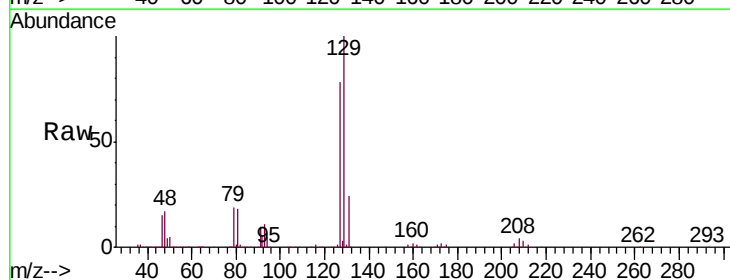


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

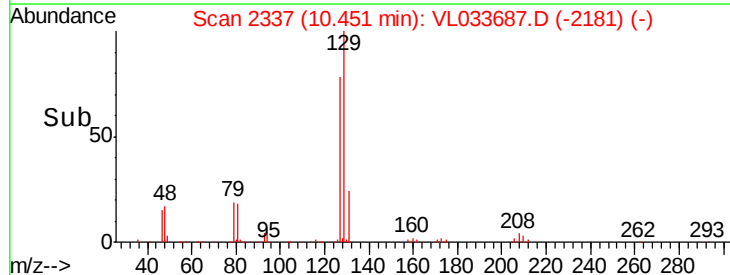
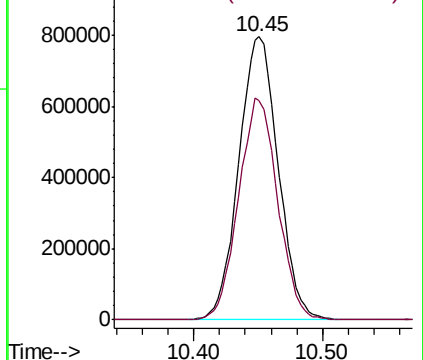


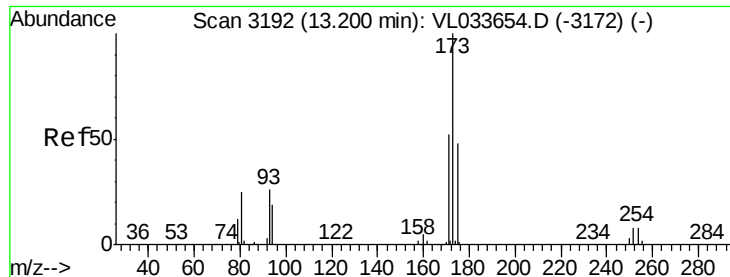
#48
 Dibromochloromethane
 Concen: 11.052 ppbv
 RT: 10.45 min Scan# 2337
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Tgt Ion: 129 Resp: 1691136
 Ion Ratio Lower Upper
 129 100
 127 77.9 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.573 ppbv

RT: 13.20 min Scan# 3192

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

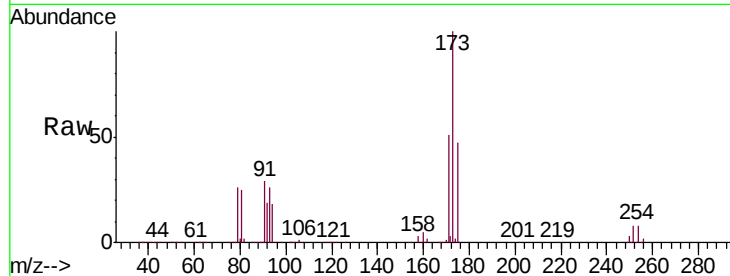
Tgt Ion:173 Resp: 1538318

Ion Ratio Lower Upper

173 100

175 48.6 39.3 58.9

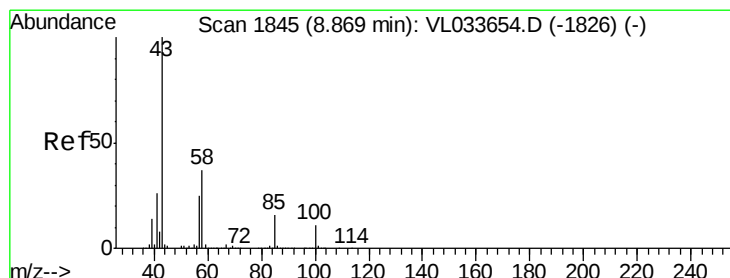
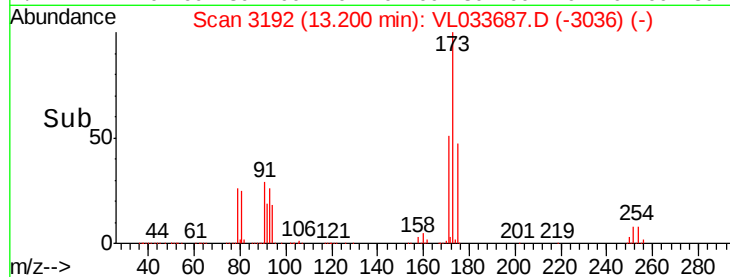
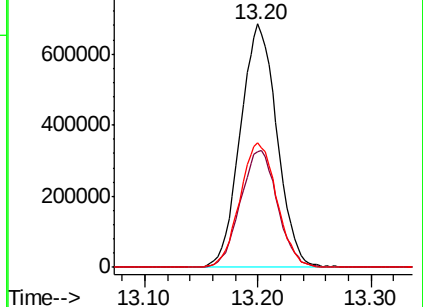
171 51.7 41.5 62.3



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: 10.341 ppbv

RT: 8.87 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VL033687.D

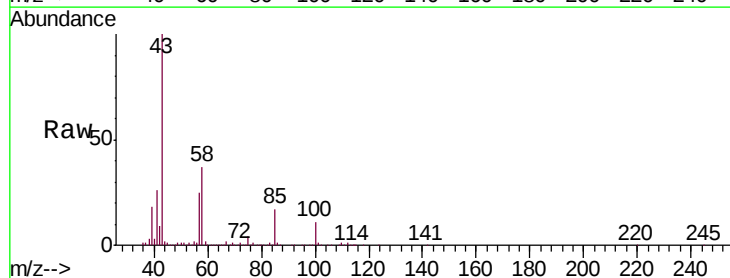
Acq: 14 May 2019 12:19

Tgt Ion: 43 Resp: 2358426

Ion Ratio Lower Upper

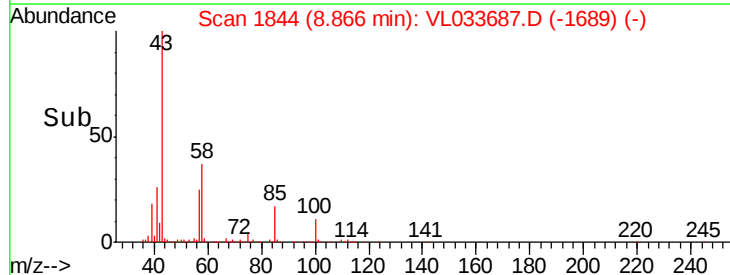
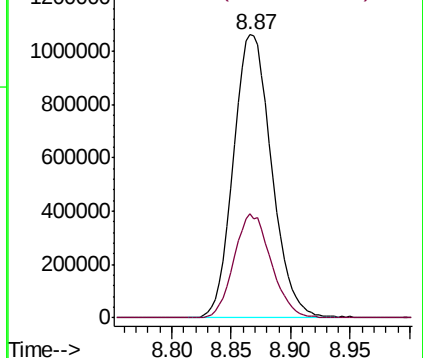
43 100

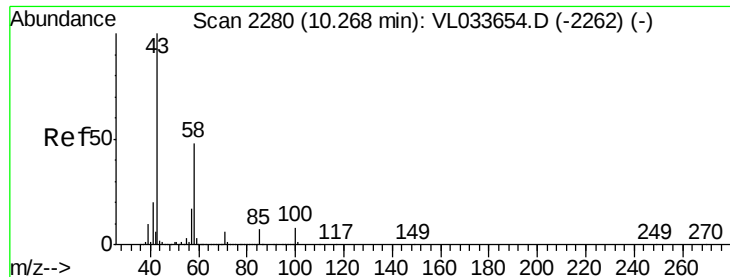
58 35.9 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

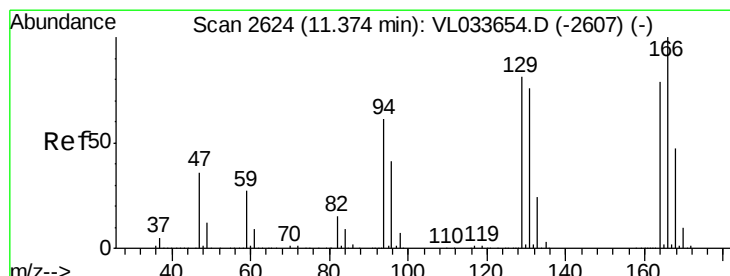
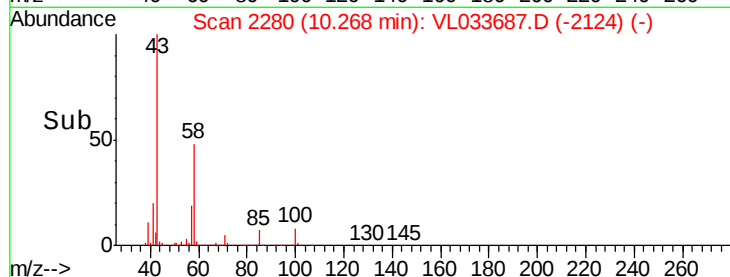
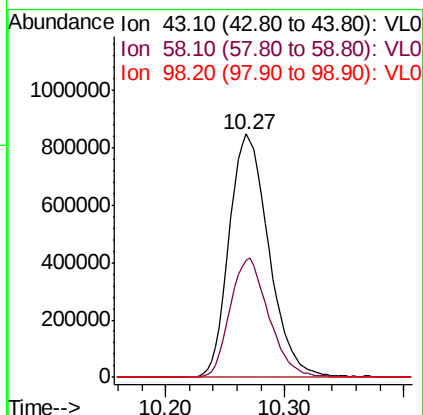
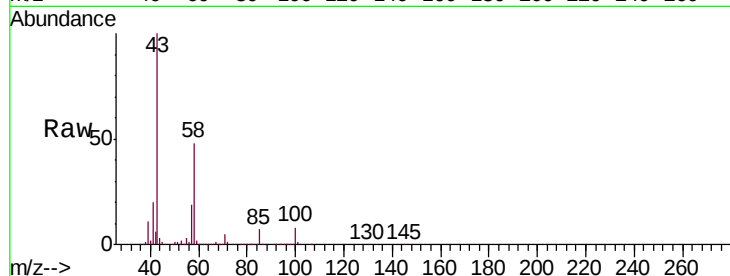




#51
2-Hexanone
Concen: 11.078 ppbv
RT: 10.27 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

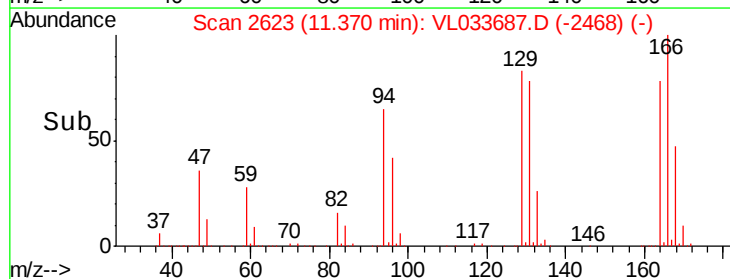
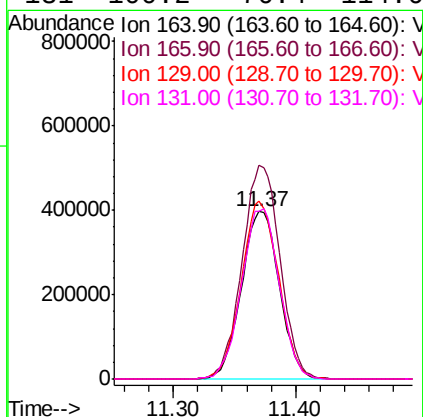
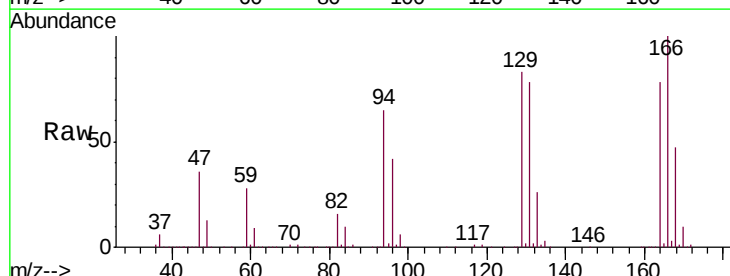
Instrument :
MSVOA_L
ClientSampled :
VL0514ABS01

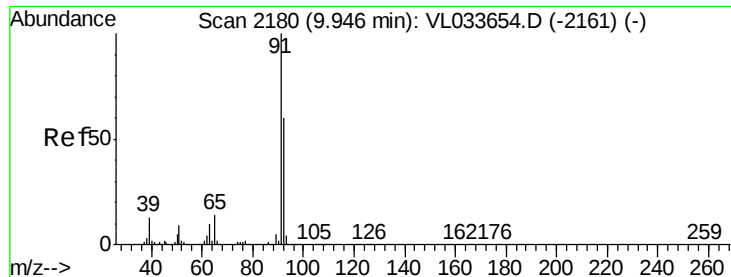
Tgt Ion: 43 Resp: 1957242
Ion Ratio Lower Upper
43 100
58 47.8 38.2 57.4
98 0.4 0.2 0.4#



#52
Tetrachloroethene
Concen: 11.359 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Tgt Ion: 164 Resp: 848725
Ion Ratio Lower Upper
164 100
166 127.8 100.6 151.0
129 106.2 81.0 121.6
131 100.2 76.4 114.6





#53

Toluene

Concen: 11.242 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

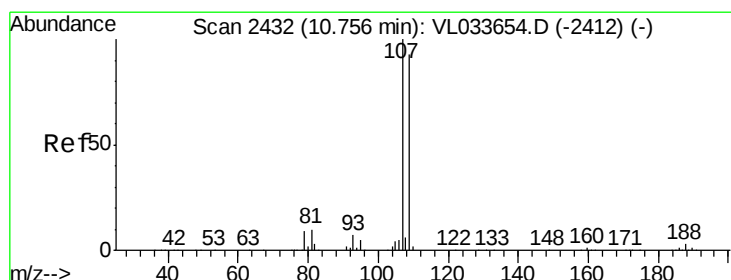
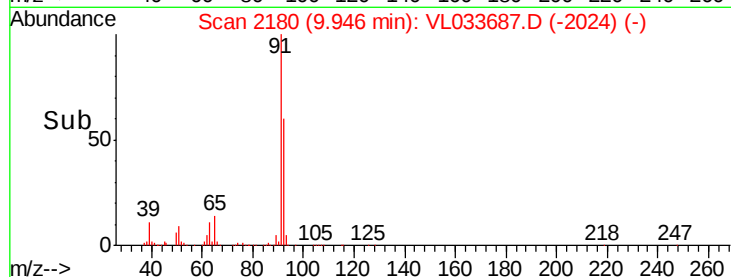
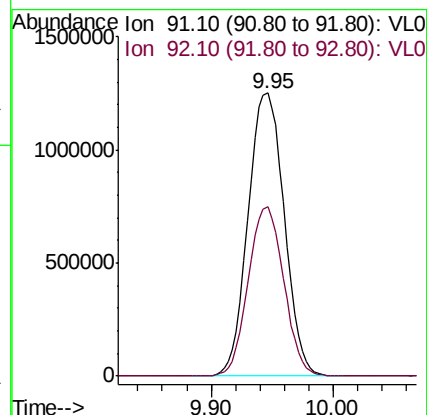
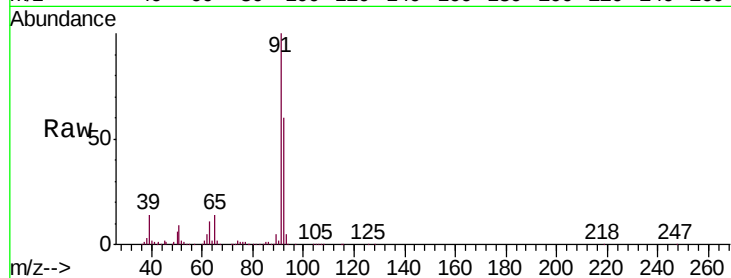
VL0514ABS01

Tgt Ion: 91 Resp: 2561644

Ion Ratio Lower Upper

91 100

92 58.9 47.7 71.5



#54

1,2-Dibromoethane

Concen: 10.999 ppbv

RT: 10.76 min Scan# 2433

Delta R.T. 0.00 min

Lab File: VL033687.D

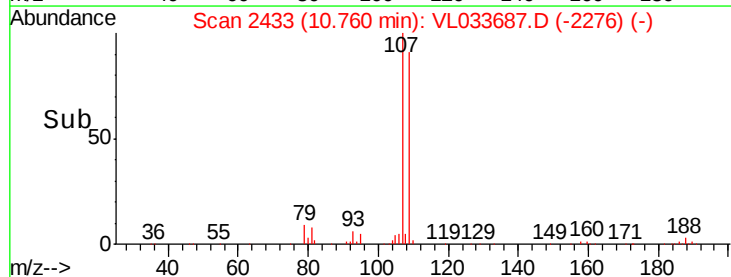
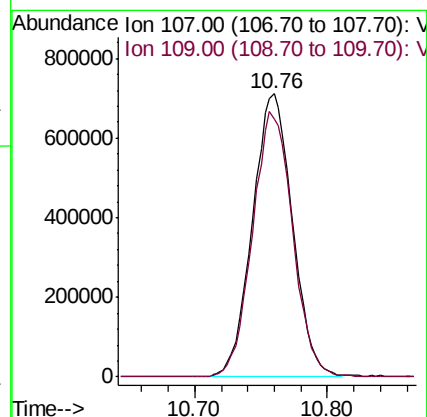
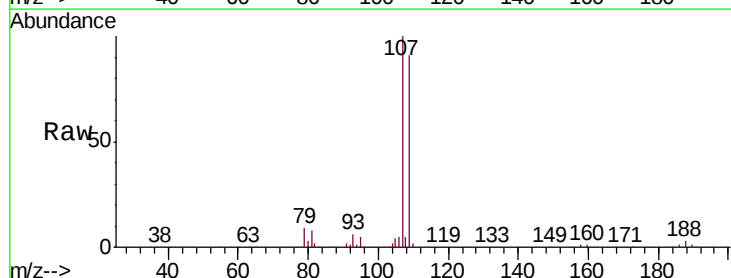
Acq: 14 May 2019 12:19

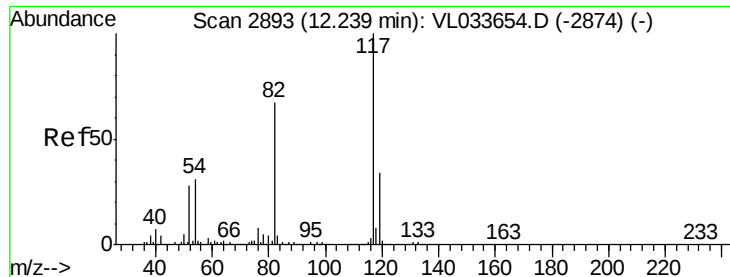
Tgt Ion: 107 Resp: 1495576

Ion Ratio Lower Upper

107 100

109 91.0 74.6 111.8

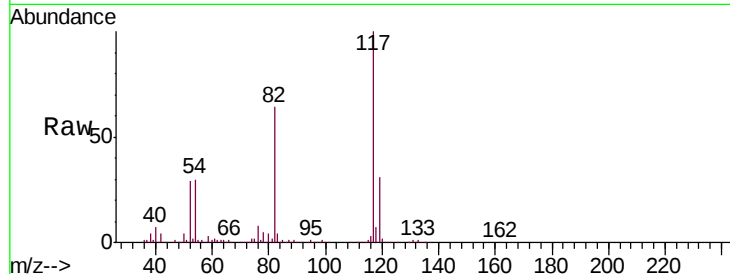




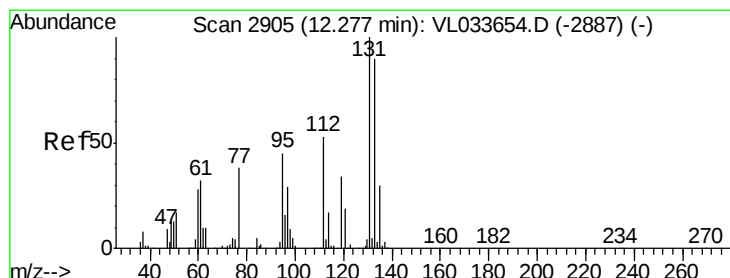
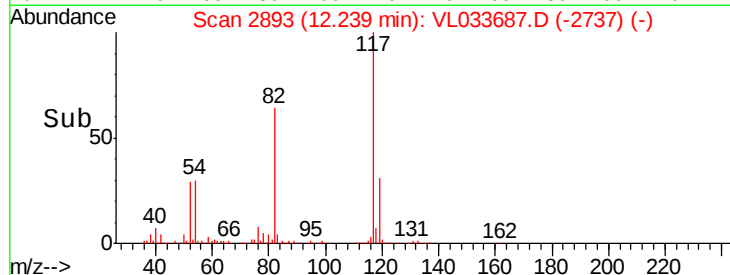
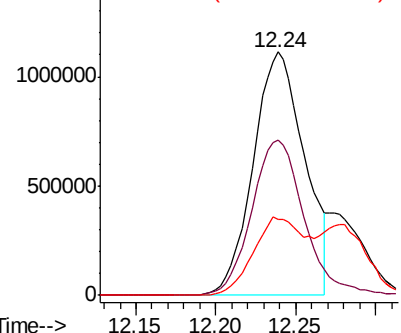
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. 0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion:117 Resp: 2482752
Ion Ratio Lower Upper
117 100
82 65.5 49.7 74.5
119 32.8 24.8 37.2

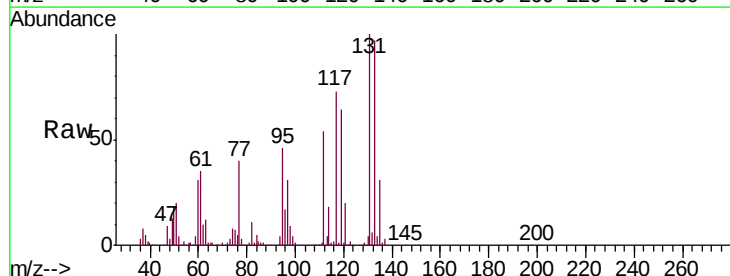


Abundance Ion 117.10 (116.80 to 117.80): V
1500000 Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

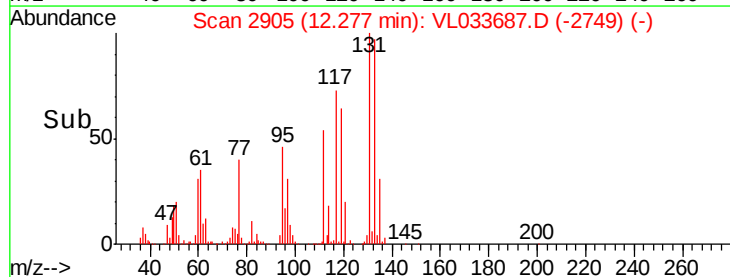
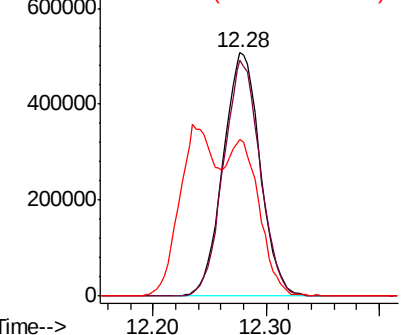


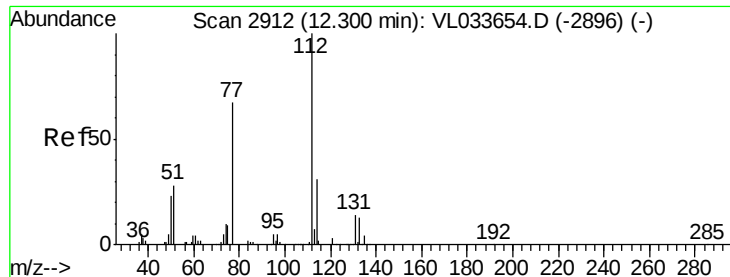
#56
1,1,1,2-Tetrachloroethane
Concen: 10.072 ppbv
RT: 12.28 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Tgt Ion:131 Resp: 1153481
Ion Ratio Lower Upper
131 100
133 95.8 76.0 114.0
119 56.4 45.4 68.2



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 9.810 ppbv

RT: 12.30 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

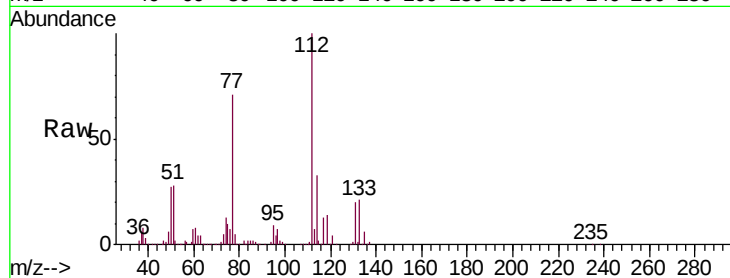
Tgt Ion:112 Resp: 1999673

Ion Ratio Lower Upper

112 100

77 70.3 54.4 81.6

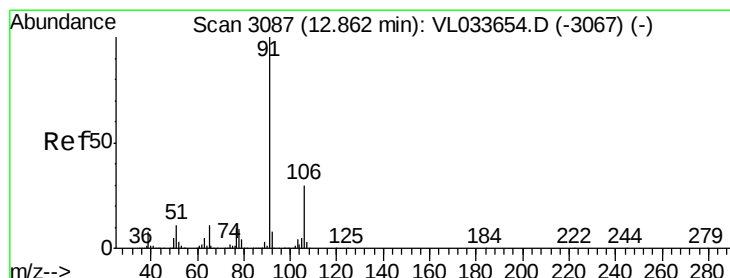
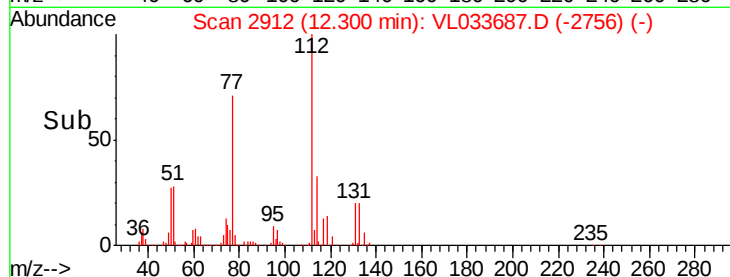
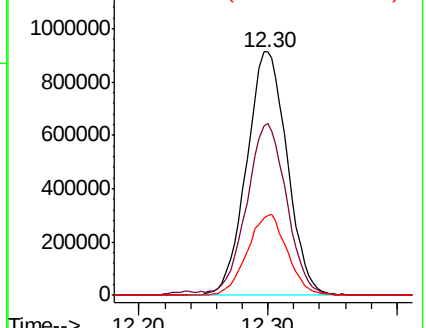
114 32.8 28.2 34.4



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.993 ppbv

RT: 12.86 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VL033687.D

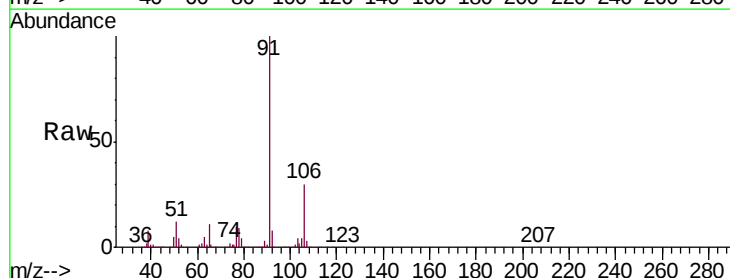
Acq: 14 May 2019 12:19

Tgt Ion: 91 Resp: 3559170

Ion Ratio Lower Upper

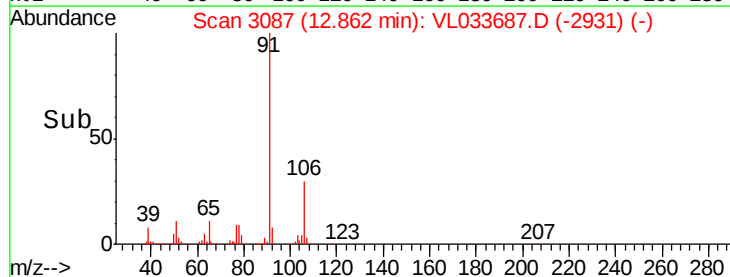
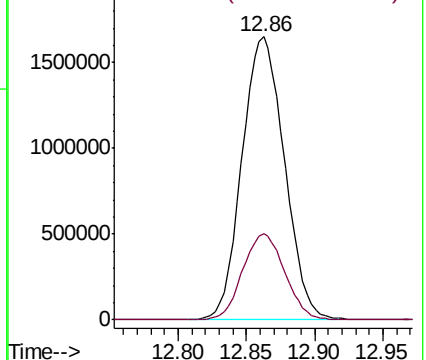
91 100

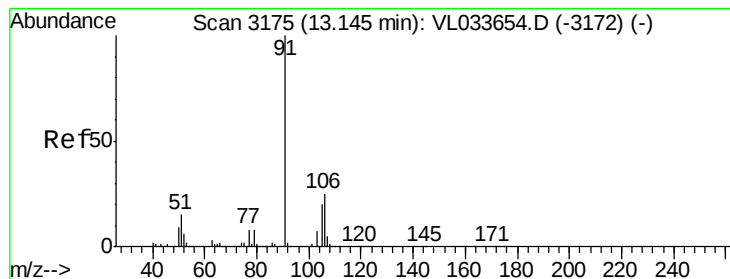
106 30.3 23.7 35.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 10.156 ppbv

RT: 13.15 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

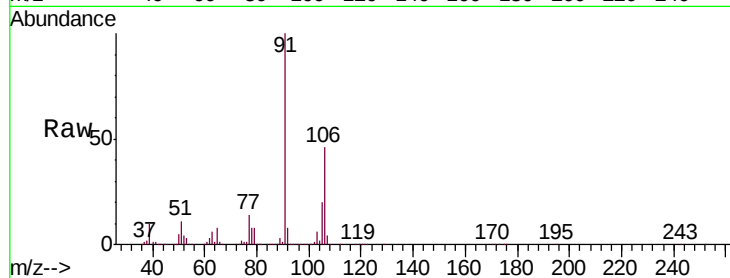
VL0514ABS01

Tgt Ion: 91 Resp: 2896120

Ion Ratio Lower Upper

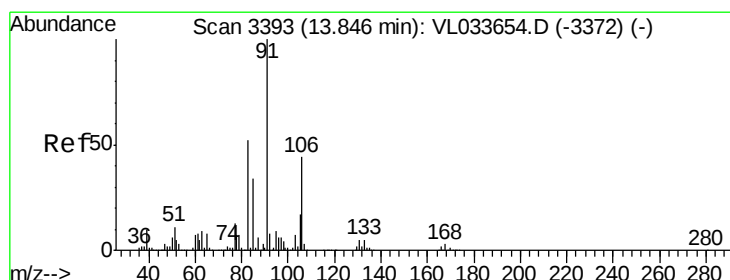
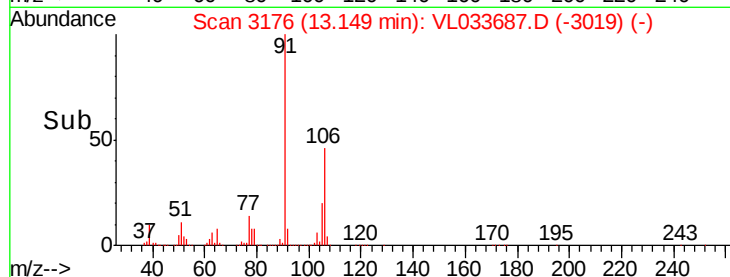
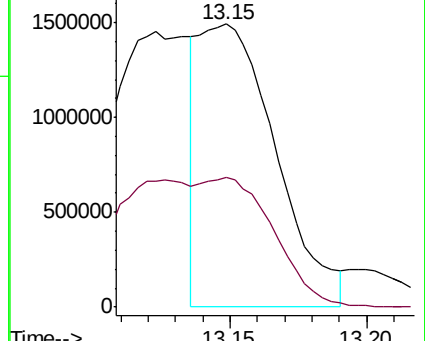
91 100

106 93.5 36.2 54.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 10.633 ppbv

RT: 13.85 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VL033687.D

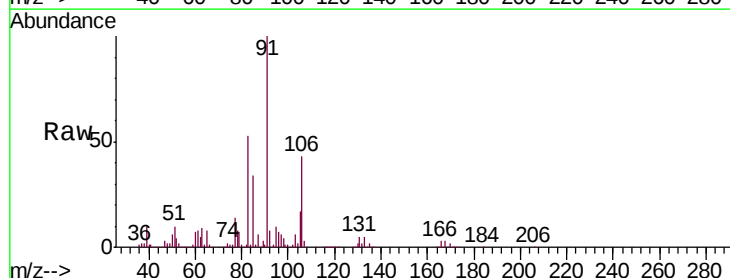
Acq: 14 May 2019 12:19

Tgt Ion: 91 Resp: 3068799

Ion Ratio Lower Upper

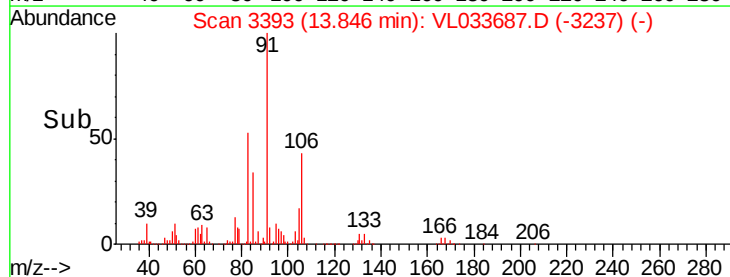
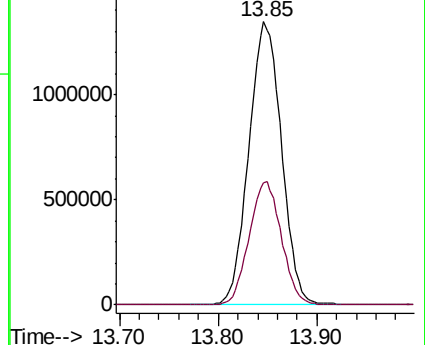
91 100

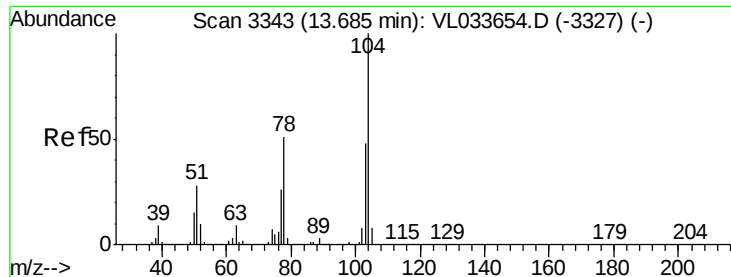
106 43.1 21.7 65.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Styrene

Concen: 11.912 ppbv

RT: 13.68 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

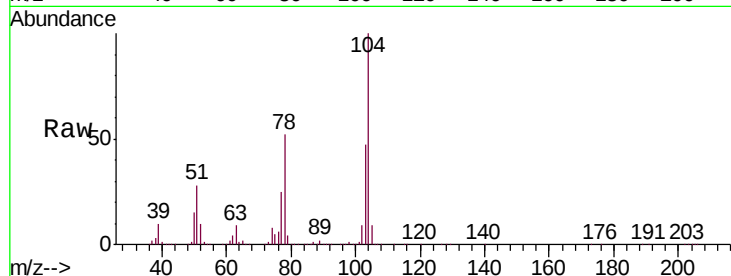
Tgt Ion:104 Resp: 2289256

Ion Ratio Lower Upper

104 100

78 53.6 43.0 64.6

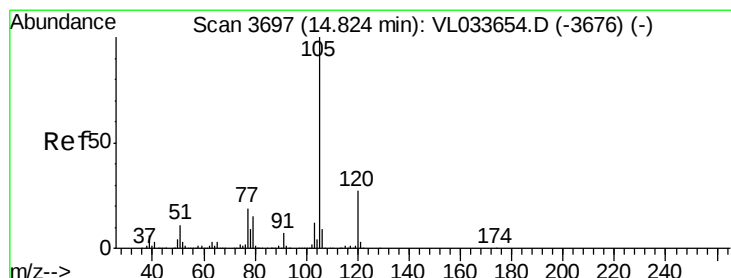
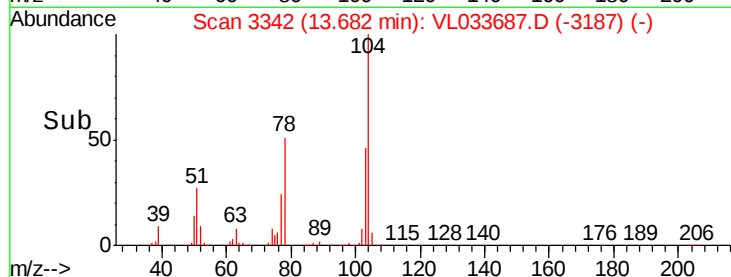
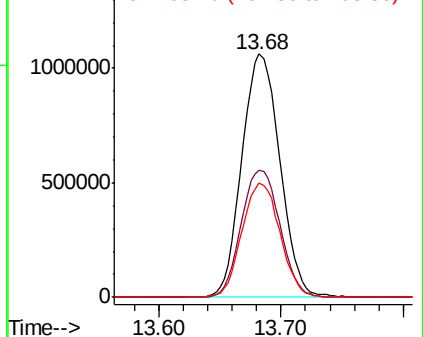
103 47.2 38.1 57.1



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: 10.450 ppbv

RT: 14.83 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VL033687.D

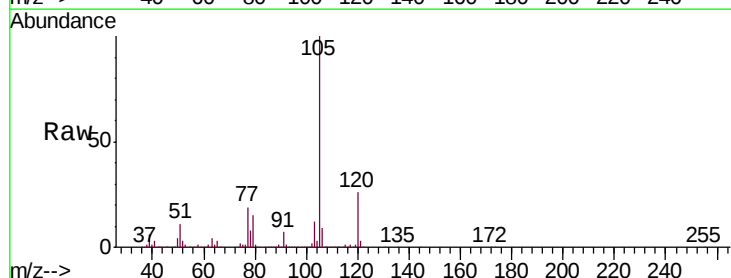
Acq: 14 May 2019 12:19

Tgt Ion:105 Resp: 4117795

Ion Ratio Lower Upper

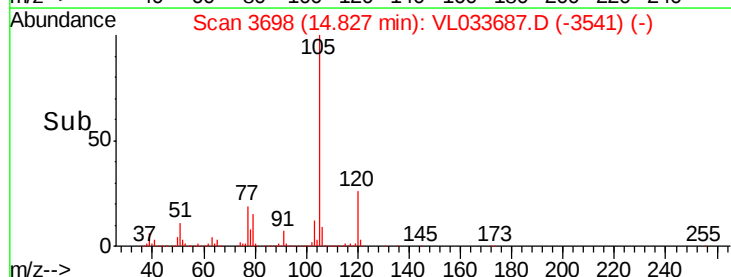
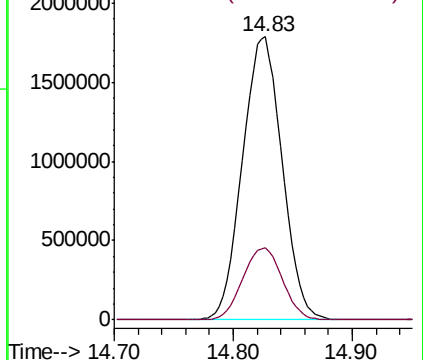
105 100

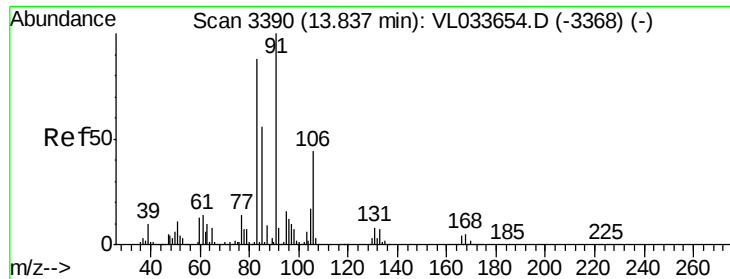
120 25.5 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

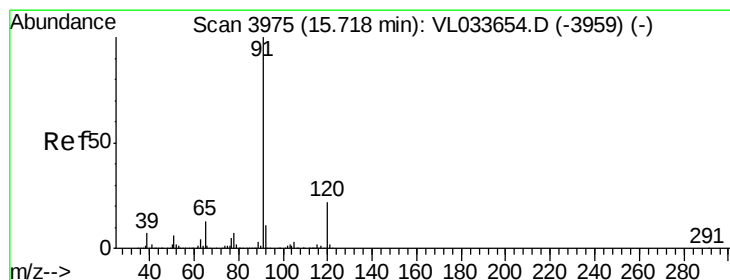
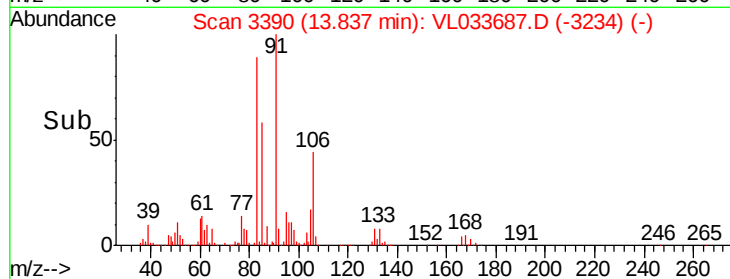
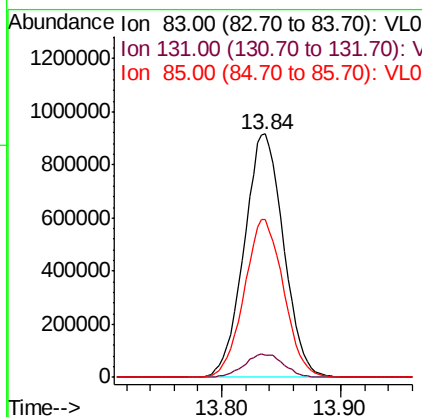
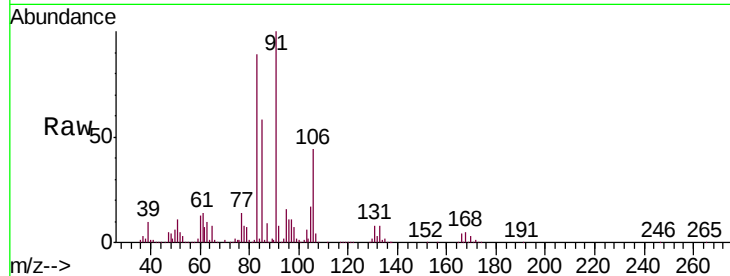




#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.012 ppbv
 RT: 13.84 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

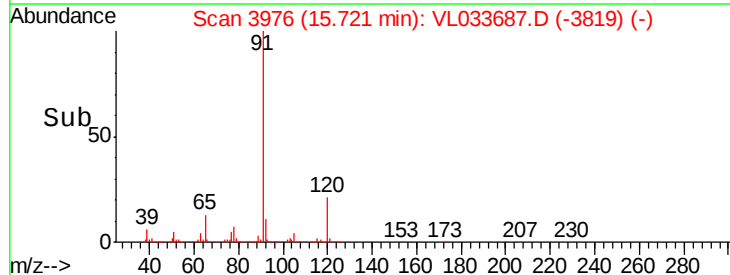
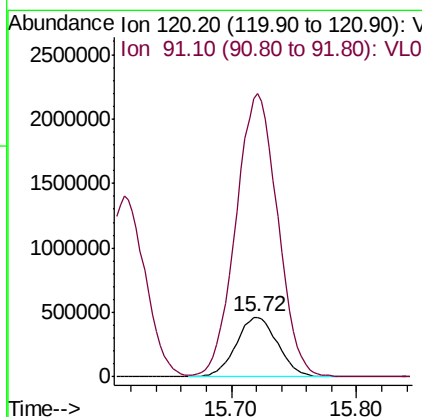
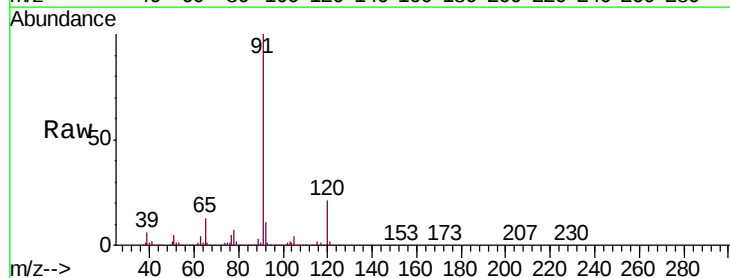
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

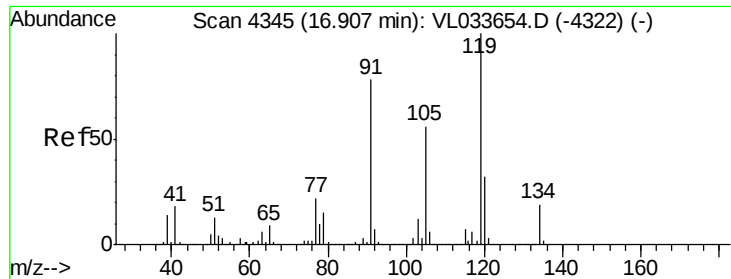
Tgt Ion: 83 Resp: 2102983
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.8 14.3
 85 64.9 32.5 97.4



#64
 n-propylbenzene
 Concen: 10.472 ppbv
 RT: 15.72 min Scan# 3976
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Tgt Ion: 120 Resp: 1066415
 Ion Ratio Lower Upper
 120 100
 91 477.8 379.0 568.6

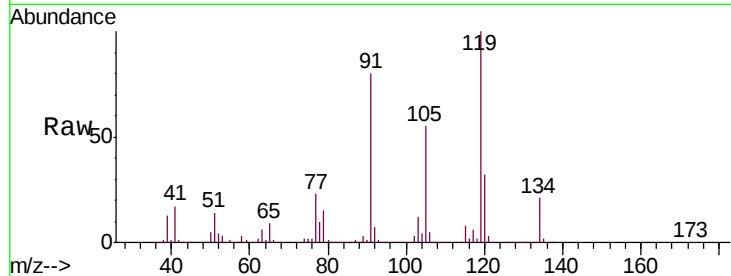




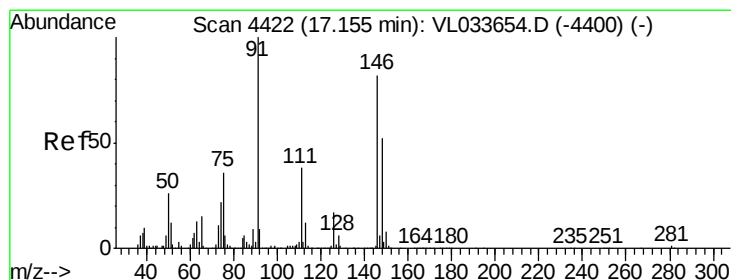
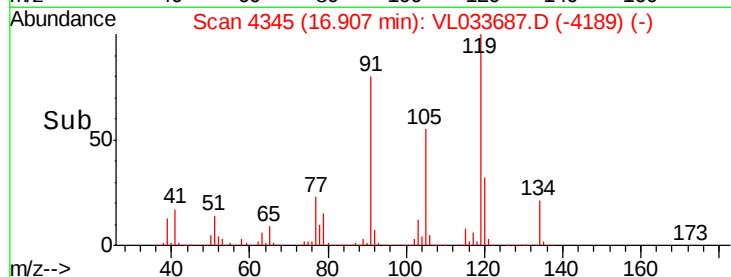
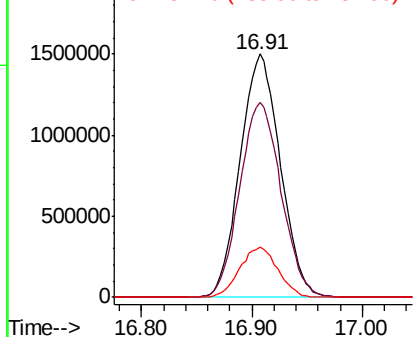
#65
 tert-Butylbenzene
 Concen: 10.468 ppbv
 RT: 16.91 min Scan# 4345
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tgt Ion: 119 Resp: 3784013
 Ion Ratio Lower Upper
 119 100
 91 82.7 65.9 98.9
 134 19.7 15.5 23.3

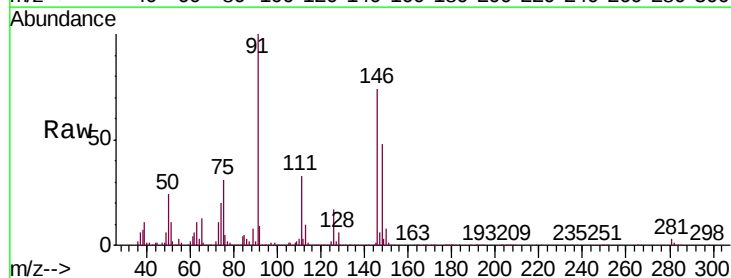


Abundance Ion 119.20 (118.90 to 119.90): V
 2000000 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

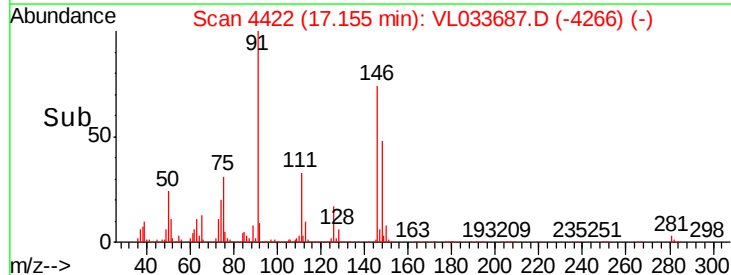
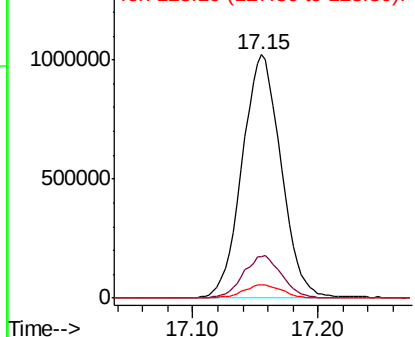


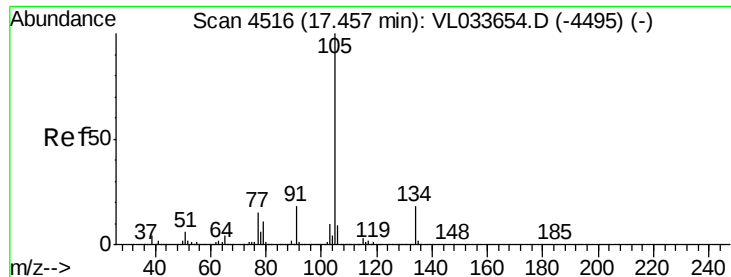
#66
 Benzyl Chloride
 Concen: 13.437 ppbv
 RT: 17.15 min Scan# 4422
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Tgt Ion: 91 Resp: 2209580
 Ion Ratio Lower Upper
 91 100
 126 17.1 13.4 20.2
 128 5.5 4.4 6.6



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 126.10 (125.80 to 126.80): V
 Ion 128.10 (127.80 to 128.80): V

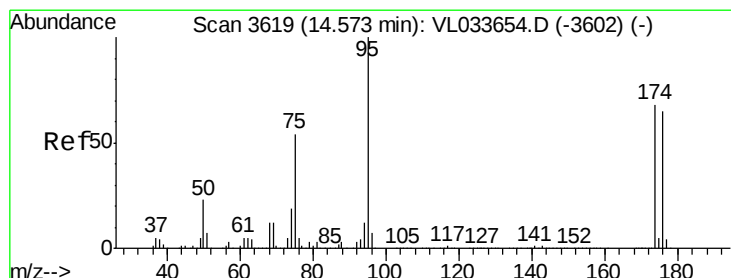
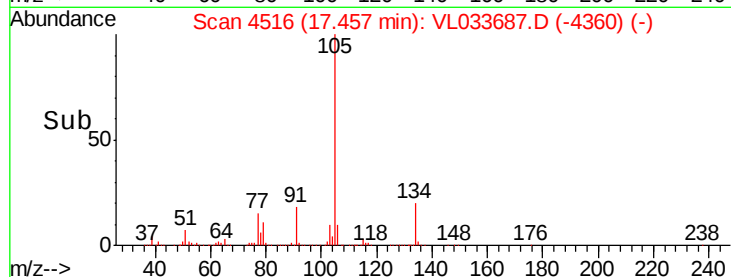
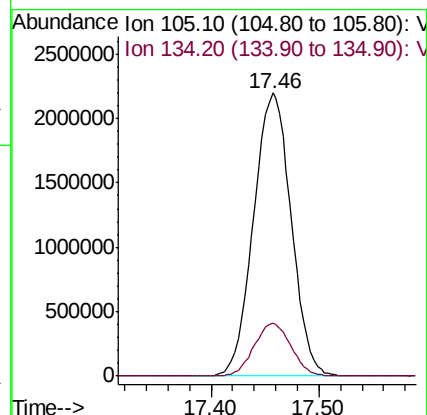
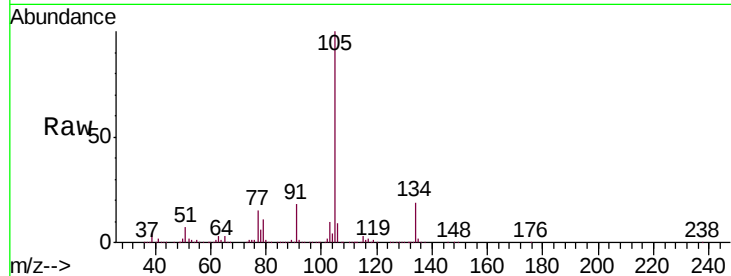




#67
 sec-Butylbenzene
 Concen: 10.530 ppbv
 RT: 17.46 min Scan# 4516
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

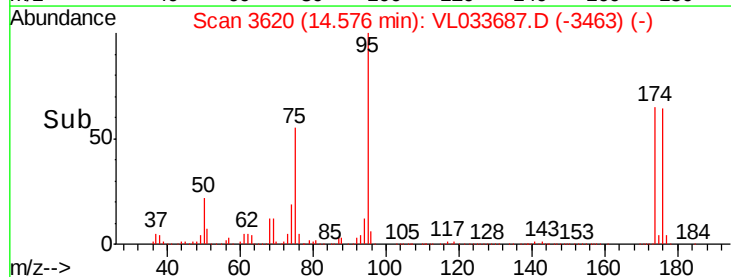
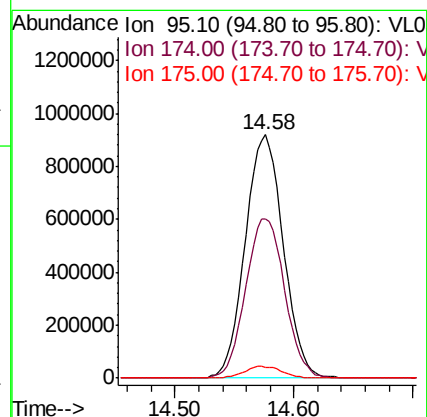
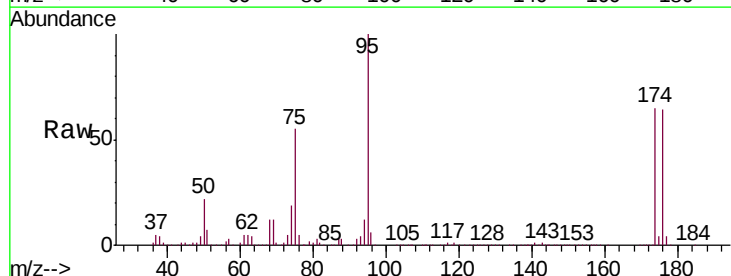
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

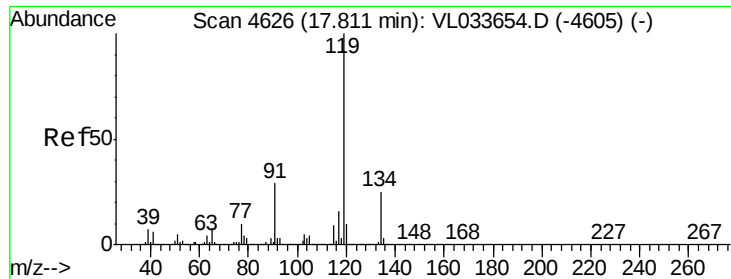
Tgt Ion: 105 Resp: 5310437
 Ion Ratio Lower Upper
 105 100
 134 18.4 14.6 22.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.018 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Tgt Ion: 95 Resp: 2038902
 Ion Ratio Lower Upper
 95 100
 174 67.3 54.0 81.0
 175 4.8 3.8 5.8

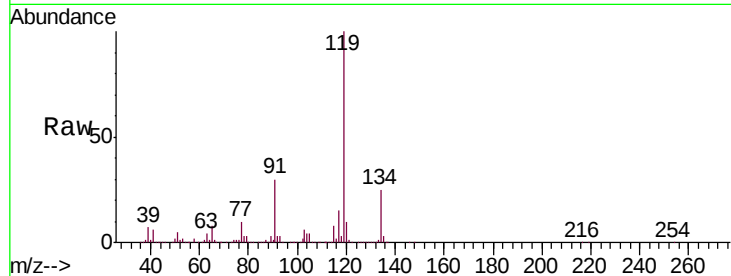




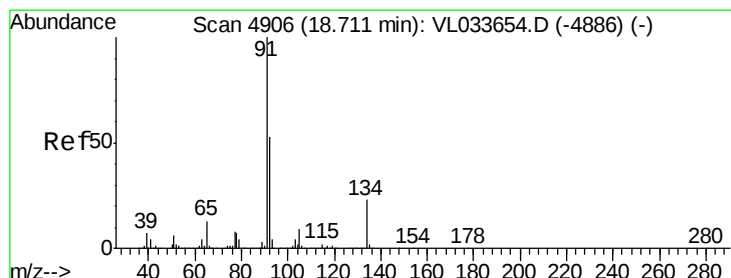
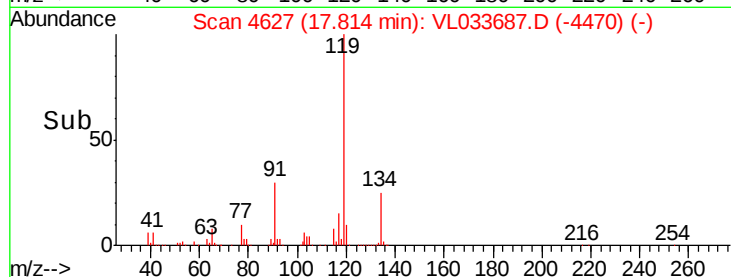
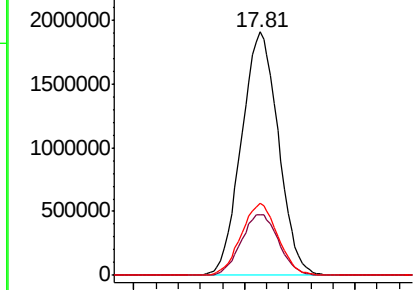
#69
 p-Isopropyltoluene
 Concen: 10.666 ppbv
 RT: 17.81 min Scan# 4627
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tgt Ion: 119 Resp: 4432428
 Ion Ratio Lower Upper
 119 100
 134 25.3 20.2 30.2
 91 29.4 23.4 35.2

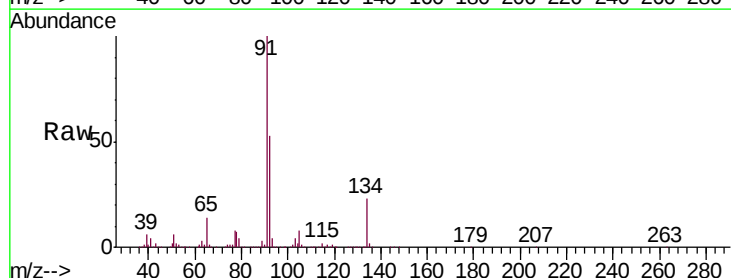


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

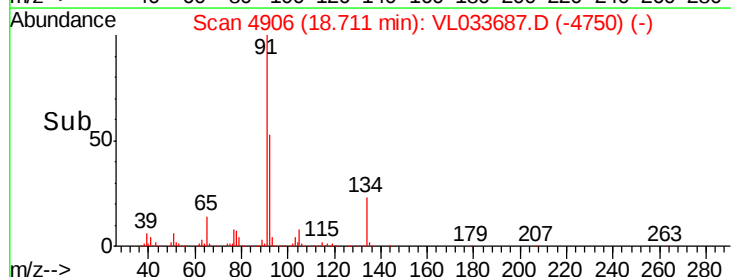
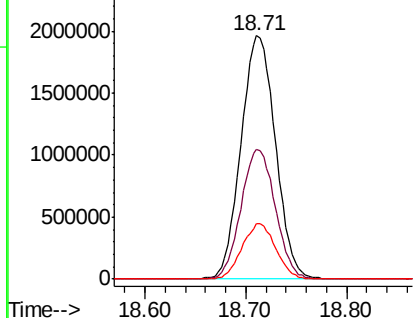


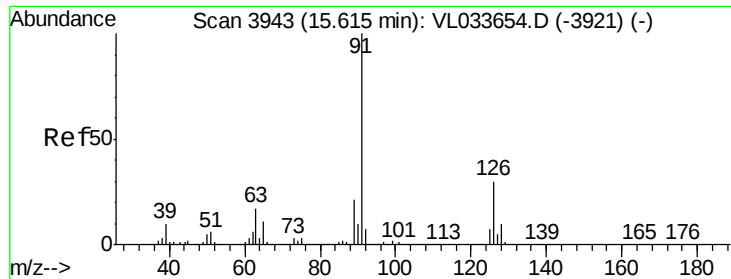
#70
 n-Butylbenzene
 Concen: 10.523 ppbv
 RT: 18.71 min Scan# 4906
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Tgt Ion: 91 Resp: 4636948
 Ion Ratio Lower Upper
 91 100
 92 53.2 42.5 63.7
 134 22.3 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

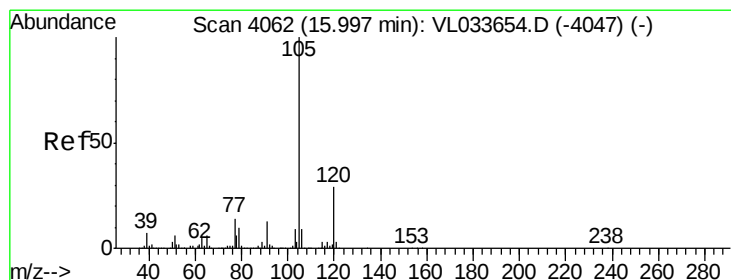
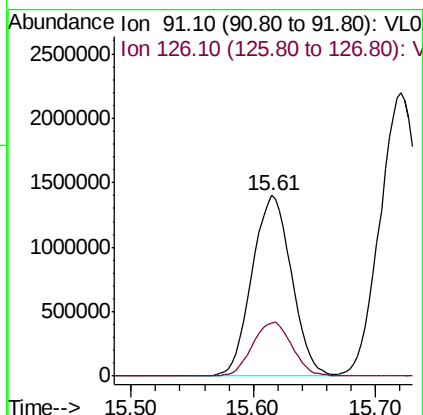
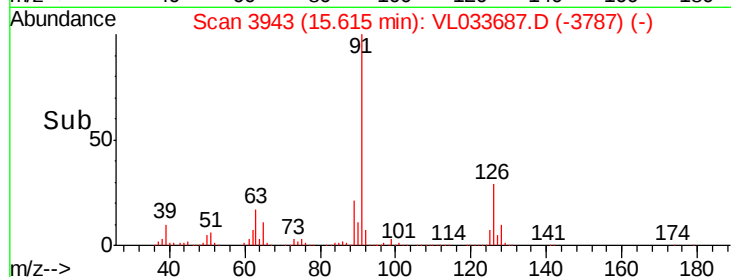
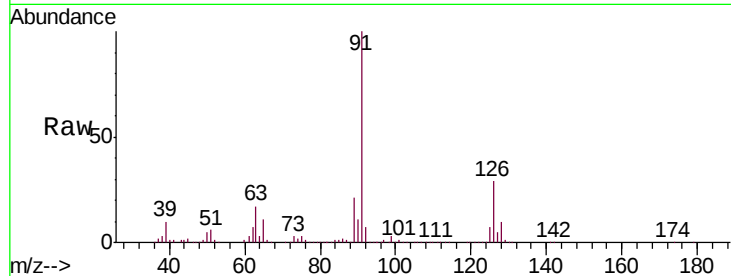




#71
 2-Chlorotoluene
 Concen: 10.820 ppbv
 RT: 15.61 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

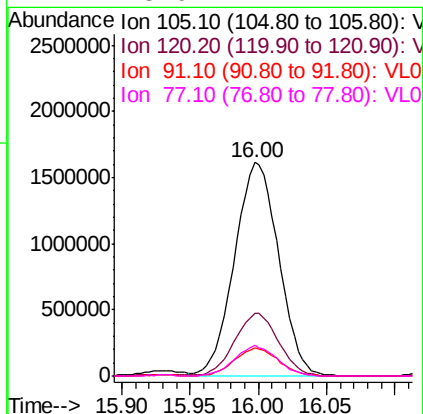
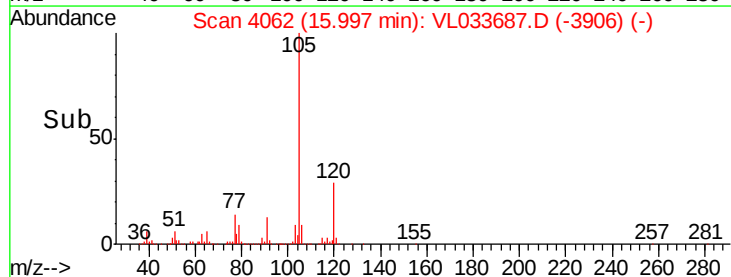
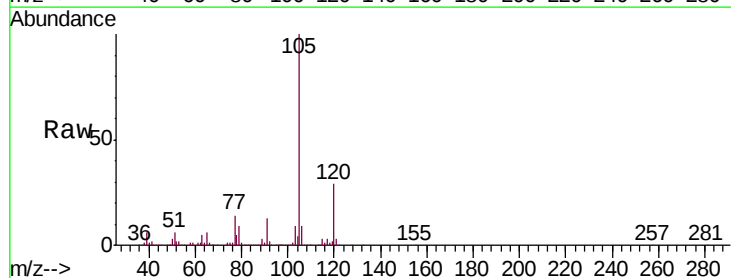
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

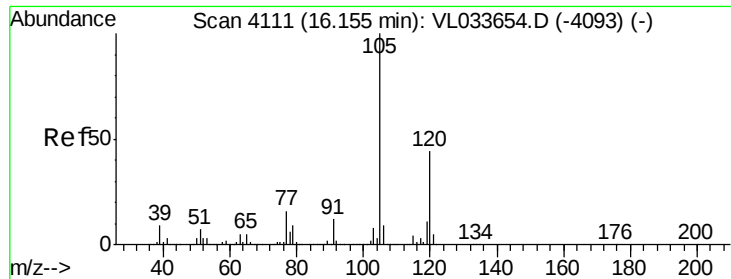
Tgt Ion: 91 Resp: 3150044
 Ion Ratio Lower Upper
 91 100
 126 29.9 12.0 47.8



#72
 4-Ethyltoluene
 Concen: 10.683 ppbv
 RT: 16.00 min Scan# 4062
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Tgt Ion: 105 Resp: 3623871
 Ion Ratio Lower Upper
 105 100
 120 29.0 23.0 34.6
 91 13.4 10.5 15.7
 77 13.9 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 10.574 ppbv

RT: 16.16 min Scan# 4112

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

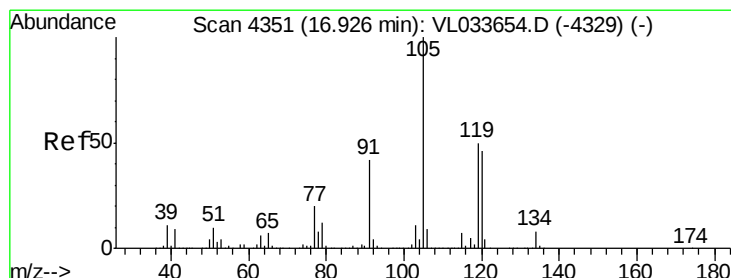
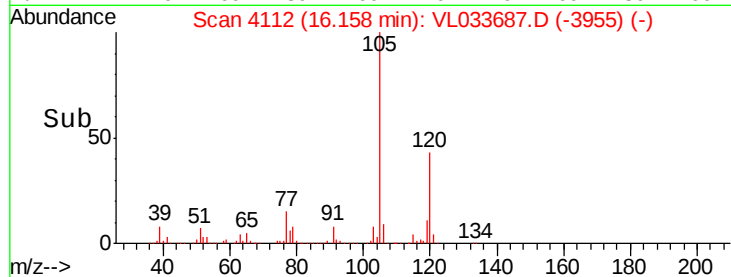
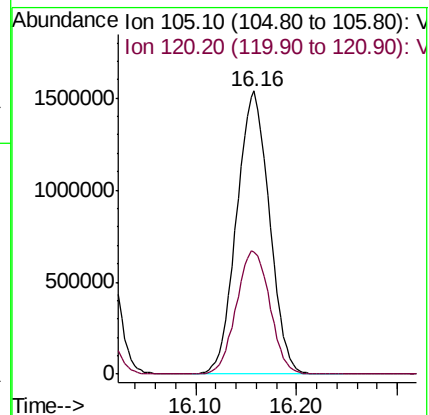
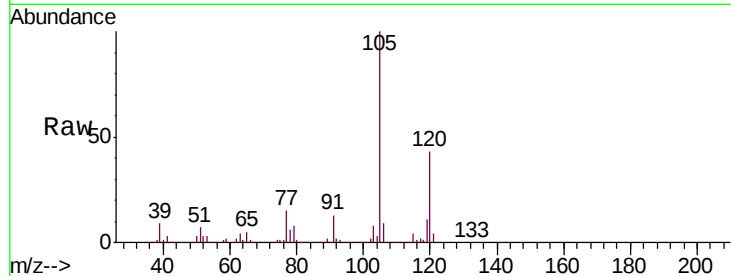
VL0514ABS01

Tgt Ion:105 Resp: 3468125

Ion Ratio Lower Upper

105 100

120 43.0 35.5 53.3



#74

1,2,4-Trimethylbenzene

Concen: 9.962 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Tgt Ion:105 Resp: 3632102

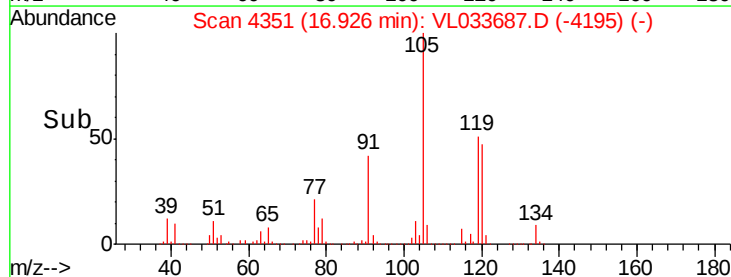
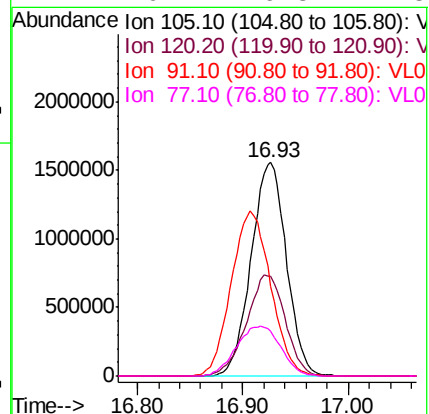
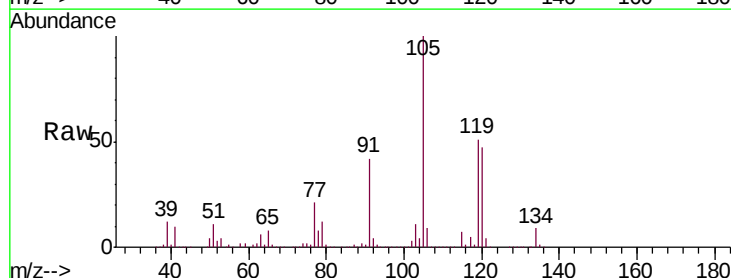
Ion Ratio Lower Upper

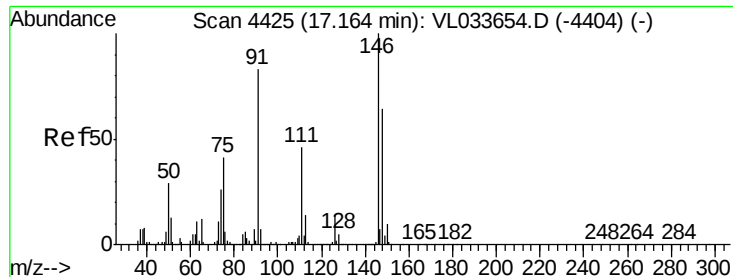
105 100

120 46.9 36.5 54.7

91 41.7 33.7 50.5

77 20.7 16.3 24.5





#75

1,3-Dichlorobenzene

Concen: 9.705 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. -0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

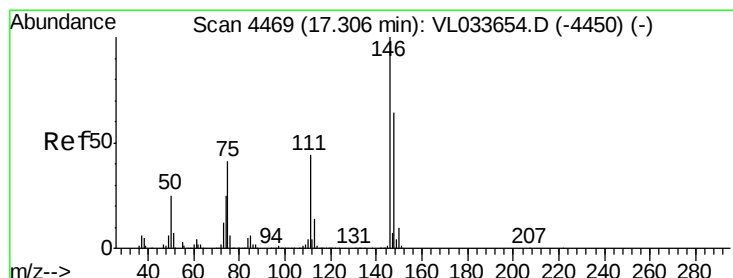
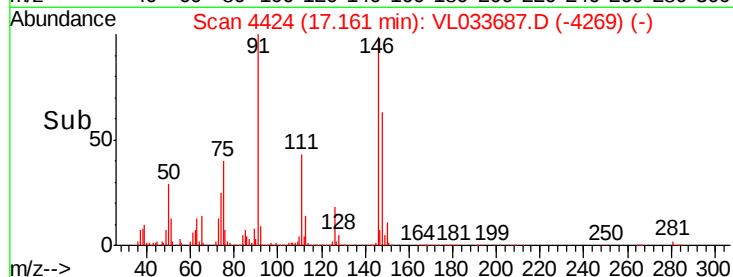
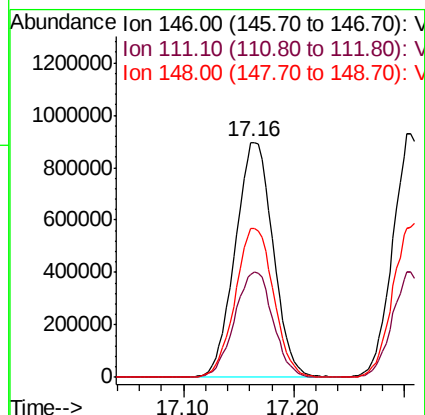
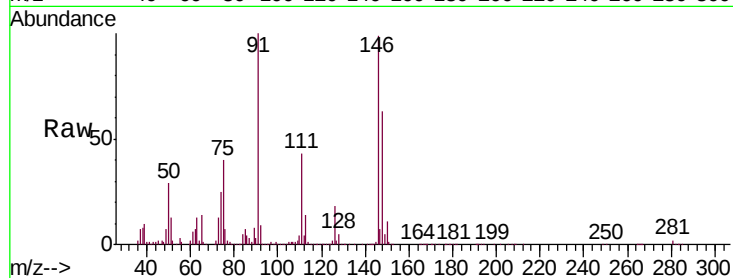
Tgt Ion:146 Resp: 2137095

Ion Ratio Lower Upper

146 100

111 45.3 22.6 67.7

148 64.1 31.8 95.4



#76

1,4-Dichlorobenzene

Concen: 10.143 ppbv

RT: 17.31 min Scan# 4469

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

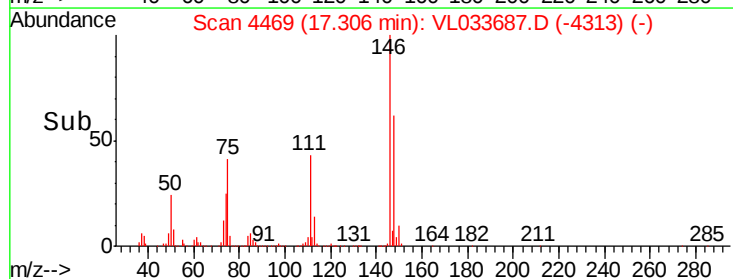
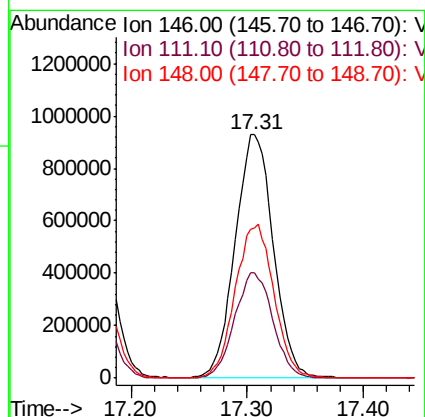
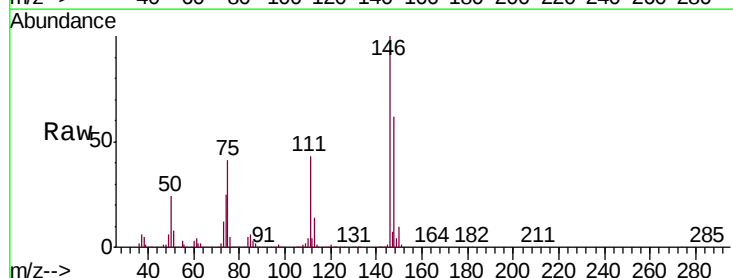
Tgt Ion:146 Resp: 2119698

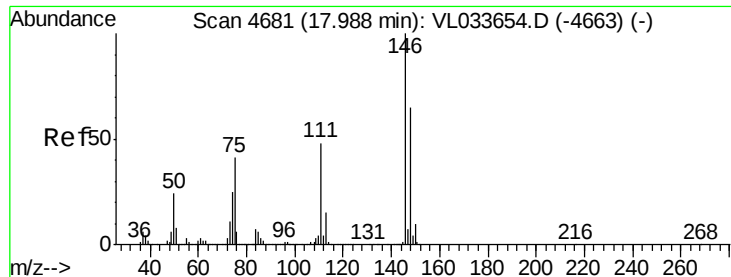
Ion Ratio Lower Upper

146 100

111 43.3 22.0 66.0

148 64.4 32.1 96.5

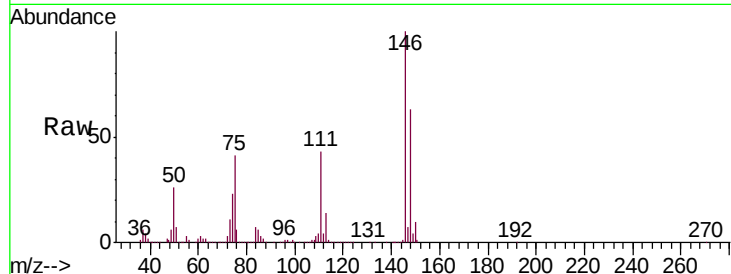




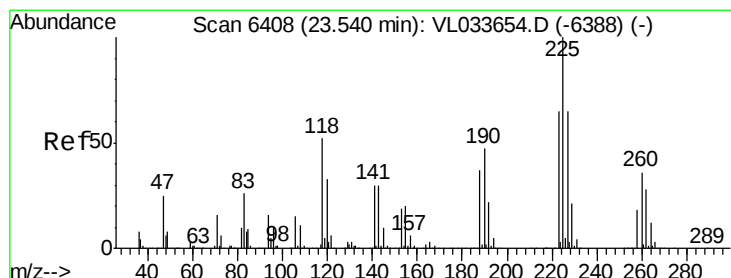
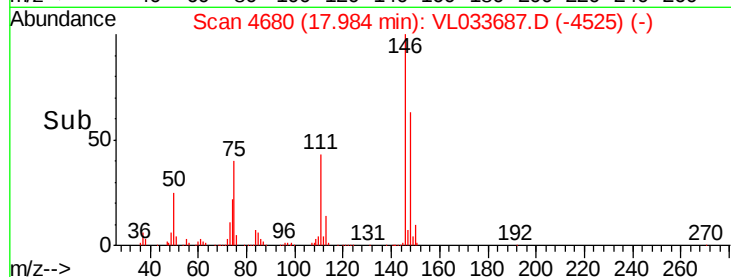
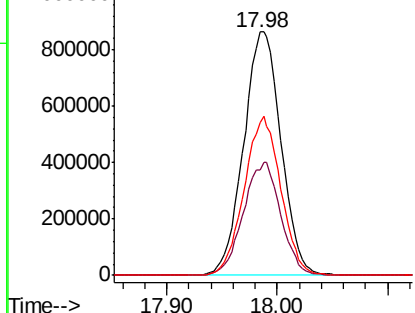
#77
 1,2-Dichlorobenzene
 Concen: 9.912 ppbv
 RT: 17.98 min Scan# 4680
 Delta R.T. -0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tgt Ion:146 Resp: 2022204
 Ion Ratio Lower Upper
 146 100
 111 46.7 23.4 70.0
 148 64.0 31.9 95.9

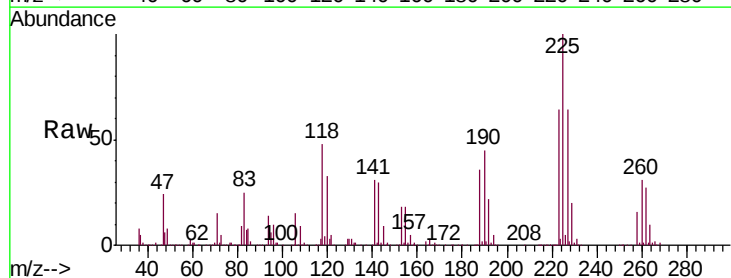


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

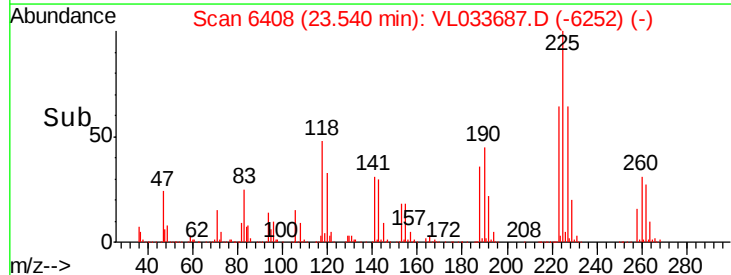
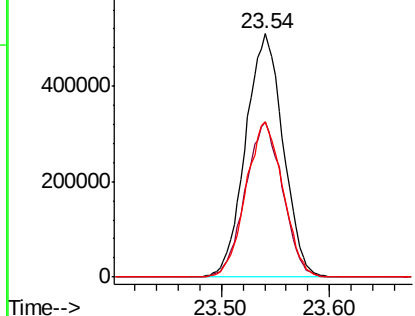


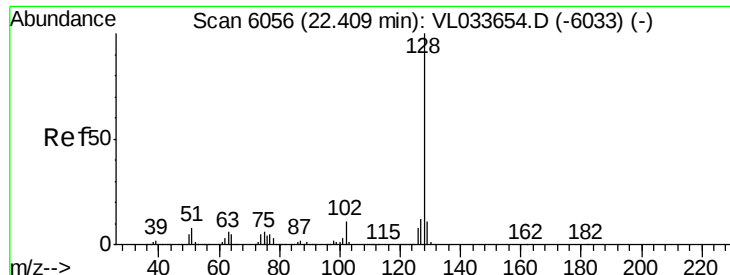
#78
 Hexachloro-1,3-Butadiene
 Concen: 7.612 ppbv
 RT: 23.54 min Scan# 6408
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Tgt Ion:225 Resp: 1230709
 Ion Ratio Lower Upper
 225 100
 223 63.3 50.7 76.1
 227 63.3 51.4 77.2



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: 9.413 ppbv

RT: 22.41 min Scan# 6056

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

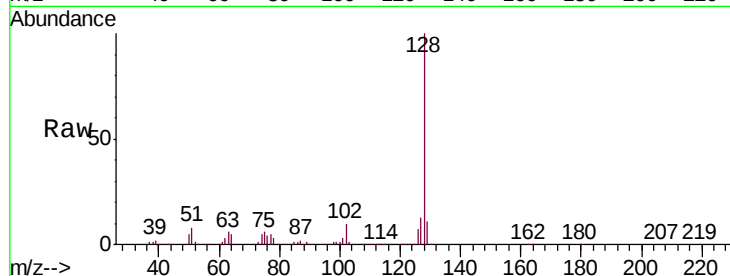
Tgt Ion:128 Resp: 3133244

Ion Ratio Lower Upper

128 100

127 13.3 9.8 14.8

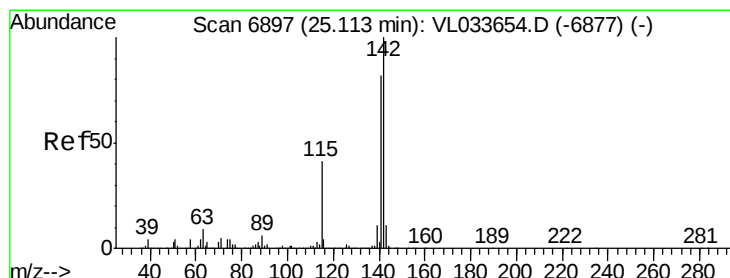
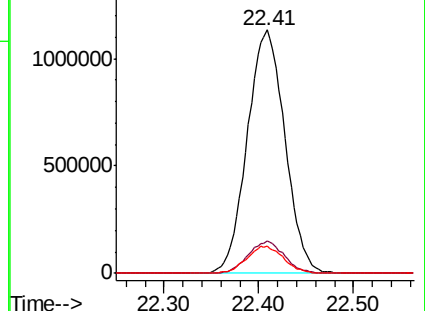
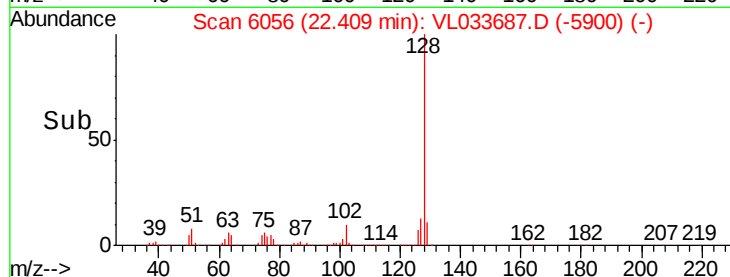
129 11.0 8.8 13.2



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: 8.412 ppbv

RT: 25.11 min Scan# 6896

Delta R.T. -0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

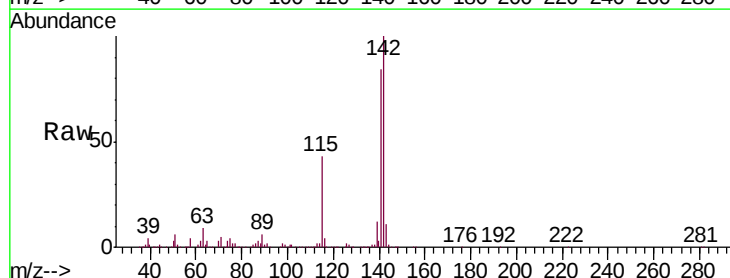
Tgt Ion:142 Resp: 1058558

Ion Ratio Lower Upper

142 100

141 83.6 67.9 101.9

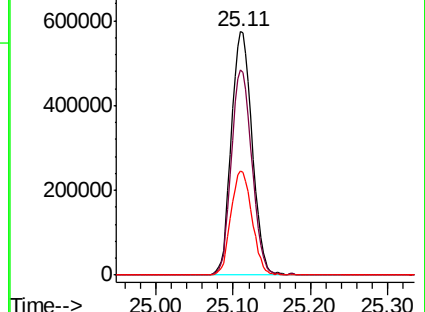
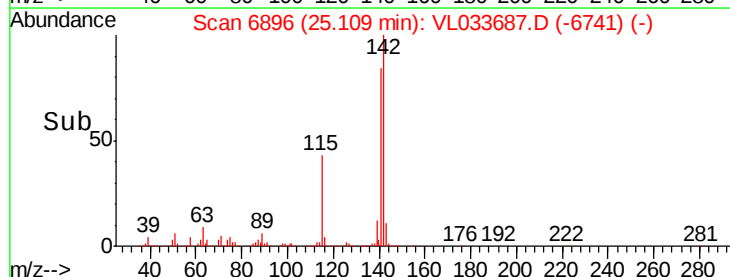
115 43.3 34.2 51.4

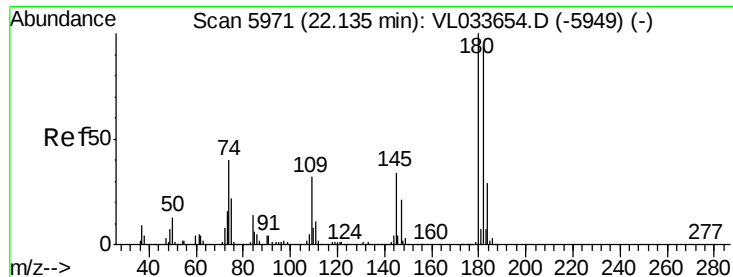


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.943 ppbv
 RT: 22.14 min Scan# 5971
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tgt Ion:180 Resp: 1729451
 Ion Ratio Lower Upper
 180 100
 182 96.6 77.4 116.0
 184 30.9 24.6 36.8

