

Data File : VL032922.D
Acq On : 7 Dec 2018 4:57
Operator : SY/AP
Sample : VSTDIC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Quant Time: Dec 07 05:52:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 05:41:55 2018
QLast Update : Fri Dec 07 05:41:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1318889	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3216028	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3007611	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2253277	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	185000	1.023	ppbv	98
3) Chlorodifluoromethane	3.02	51	102565	0.997	ppbv	97
4) Chloromethane	3.17	50	61191	1.009	ppbv	89
5) Vinyl Chloride	3.29	62	56948	0.959	ppbv	93
6) Bromomethane	3.52	94	37203	0.966	ppbv	88
7) Chloroethane	3.61	64	20828	0.905	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	152118	1.033	ppbv	99
9) Propene	3.04	41	40279	0.978	ppbv	98
10) Heptane	8.25	43	138274	0.883	ppbv	99
11) Trichlorofluoromethane	4.01	101	163570	0.913	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	148605	1.092	ppbv	99
13) Ethanol	3.66	45	15441	1.108	ppbv	87
14) Bromoethene	3.79	108	45826	0.920	ppbv	100
15) Acetone	3.91	43	120071	1.020	ppbv	98
16) 1,3-Butadiene	3.36	39	41973	0.893	ppbv	87
17) tert-Butyl alcohol	4.36	59	2128	0.065	ppbv #	98
18) 1,1-Dichloroethene	4.36	96	61428	1.039	ppbv	88
19) Isopropyl Alcohol	4.04	45	73258	0.860	ppbv #	97
20) Methylene Chloride	4.41	84	62536	0.945	ppbv	94
21) Allyl Chloride	4.48	41	87619	1.009	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	64217	0.899	ppbv	87
23) Vinyl Acetate	5.16	43	182286	0.822	ppbv	98
24) 1,1-Dichloroethane	5.09	63	173867	1.018	ppbv	99
25) Ethyl Acetate	5.78	43	274357	0.988	ppbv	99
26) Hexane	5.78	57	126437	0.970	ppbv	97
27) Carbon Disulfide	4.63	76	150749	0.914	ppbv #	84
28) Methyl tert-Butyl Ether	5.12	73	176644	0.845	ppbv	98
29) Chloroform	5.85	83	226055	1.044	ppbv	94
30) Cyclohexane	7.25	84	46102	0.433	ppbv #	1
31) cis-1,2-Dichloroethene	5.64	61	106000	0.893	ppbv	95
32) 1,1,1-Trichloroethane	6.62	97	210277	0.867	ppbv	98
34) 2-Butanone	5.34	43	135955	0.854	ppbv	100
35) Carbon Tetrachloride	7.14	117	236041	0.987	ppbv	93
36) Benzene	7.01	78	235681	0.935	ppbv	97
37) 1,2-Dichloroethane	6.41	62	162759	1.005	ppbv	99
38) Trichloroethene	7.96	130	60278	0.601	ppbv	94
39) 1,2-Dichloropropane	7.74	63	89477	0.969	ppbv	94
40) 1,4-Dioxane	7.98	88	10168	0.291	ppbv #	1
41) Tetrahydrofuran	6.17	42	38051	0.420	ppbv #	31
42) Bromodichloromethane	7.92	83	225697	1.002	ppbv	98
43) Methyl Methacrylate	8.15	69	81484	0.875	ppbv	95

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Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Quant Time: Dec 07 05:52:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 05:41:55 2018
QLast Update : Fri Dec 07 05:41:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	403643	0.982	ppbv	97
45) t-1,3-Dichloropropene	9.42	75	86514	0.707	ppbv	96
46) cis-1,3-Dichloropropene	8.84	75	108936	0.785	ppbv	99
47) 1,1,2-Trichloroethane	9.62	97	97465	0.893	ppbv	96
48) Dibromochloromethane	10.45	129	177199	0.879	ppbv	99
49) Bromoform	13.20	173	143385	0.847	ppbv	97
50) 4-Methyl-2-Pentanone	8.89	43	205905	0.884	ppbv	95
51) 2-Hexanone	10.29	43	139140	0.808	ppbv #	93
52) Tetrachloroethene	11.38	164	83152	0.882	ppbv	96
53) Toluene	9.95	91	235142	0.824	ppbv	99
54) 1,2-Dibromoethane	10.77	107	141011	0.866	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.29	131	143194	1.054	ppbv #	1
57) Chlorobenzene	12.31	112	240559	1.071	ppbv	97
58) Ethyl Benzene	12.87	91	315067	0.919	ppbv	94
59) m/p-Xylene	13.16	91	246861	0.798	ppbv #	100
60) o-Xylene	13.86	91	289766	0.959	ppbv	100
61) Styrene	13.69	104	102737	0.509	ppbv #	44
62) Isopropylbenzene	14.83	105	420332	0.980	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.84	83	218785	0.960	ppbv	98
64) n-propylbenzene	15.73	120	109136	1.009	ppbv	88
65) tert-Butylbenzene	16.91	119	409178	1.112	ppbv	94
66) Benzyl Chloride	17.16	91	188492	0.966	ppbv	100
67) sec-Butylbenzene	17.47	105	576731	1.105	ppbv	98
69) p-Isopropyltoluene	17.82	119	461359	1.113	ppbv	98
70) n-Butylbenzene	18.72	91	215529	0.528	ppbv #	43
71) 2-Chlorotoluene	15.62	91	297275	0.959	ppbv	99
72) 4-Ethyltoluene	16.01	105	322234	1.010	ppbv	98
73) 1,3,5-Trimethylbenzene	16.16	105	311688	1.014	ppbv #	85
74) 1,2,4-Trimethylbenzene	16.93	105	396930	1.188	ppbv	99
75) 1,3-Dichlorobenzene	17.17	146	219609	1.122	ppbv	97
76) 1,4-Dichlorobenzene	17.31	146	197623	1.078	ppbv	97
77) 1,2-Dichlorobenzene	17.99	146	202374	1.097	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	55793	0.479	ppbv #	17
79) Naphthalene	22.43	128	110579	0.560	ppbv	97
80) Naphthalene,2-methyl-	25.13	142	31901	0.722	ppbv	94
81) 1,2,4-Trichlorobenzene	22.14	180	54561	0.524	ppbv #	12

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

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MSVOA_L
ClientSampleId :
VSTDICC001

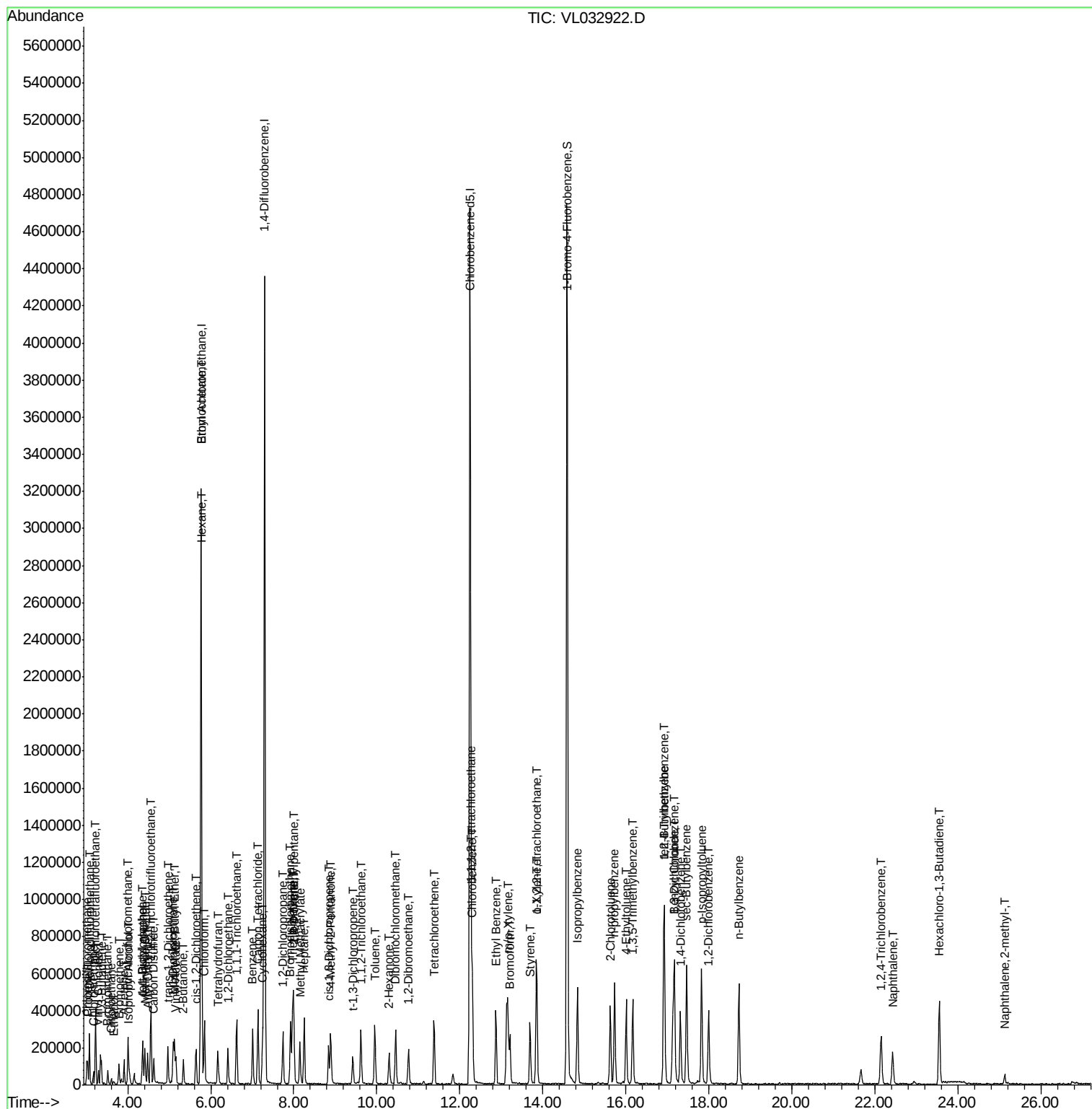
Quant Time: Dec 07 05:52:37 2018

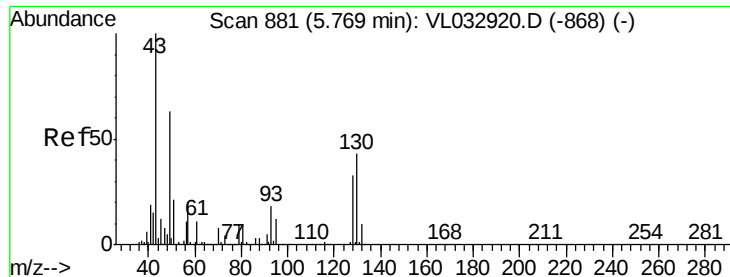
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL120718AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Dec 07 05:41:55 2018

QLast Update : Fri Dec 07 05:41:55 2018

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.01 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

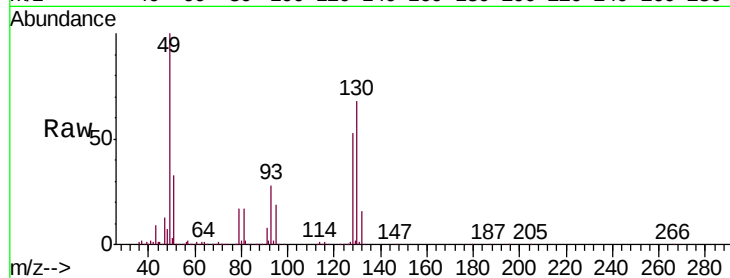
Tgt Ion: 49 Resp: 1318889

Ion Ratio Lower Upper

49 100

128 52.3 26.3 78.8

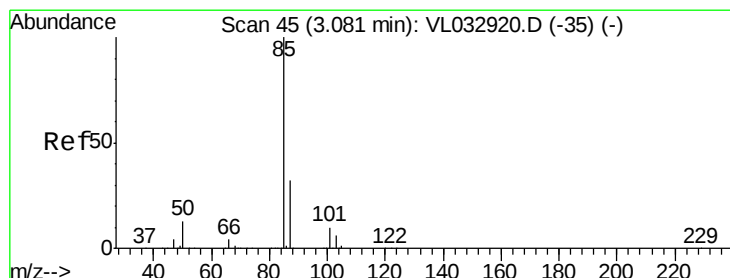
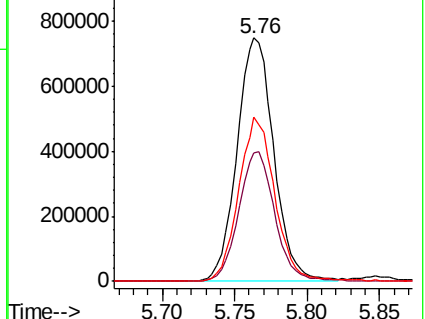
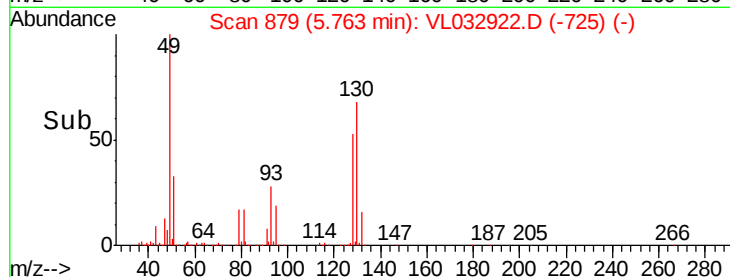
130 66.9 33.9 101.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 1.023 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.00 min

Lab File: VL032922.D

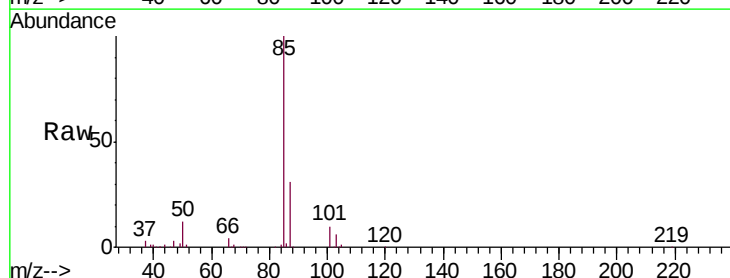
Acq: 7 Dec 2018 4:57

Tgt Ion: 85 Resp: 185000

Ion Ratio Lower Upper

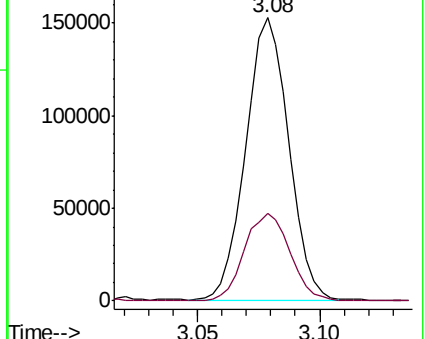
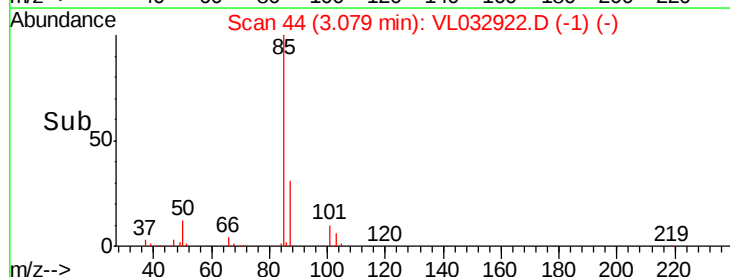
85 100

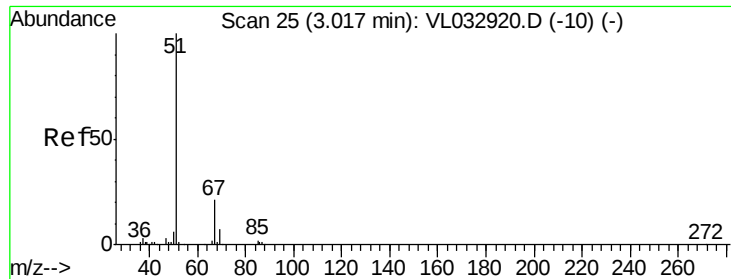
87 31.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.997 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Instrument :

MSVOA_L

ClientSampleId :

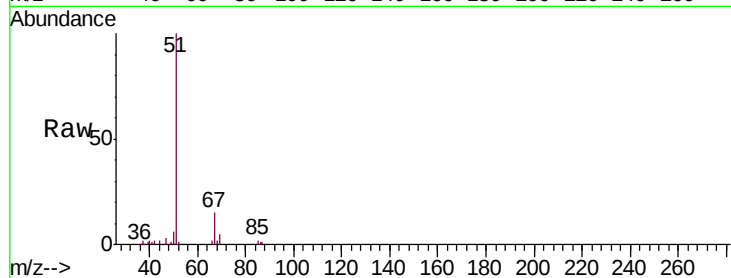
VSTDIC001

Tgt Ion: 51 Resp: 102565

Ion Ratio Lower Upper

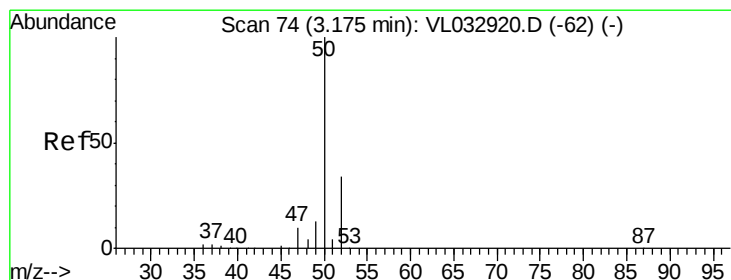
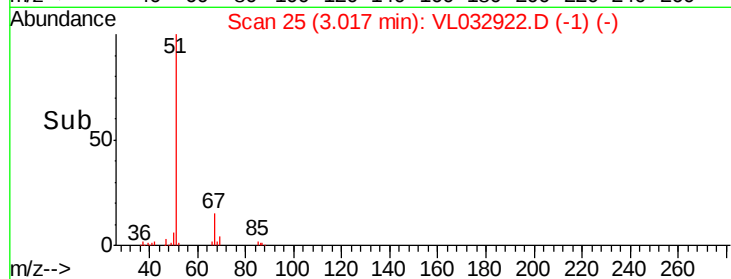
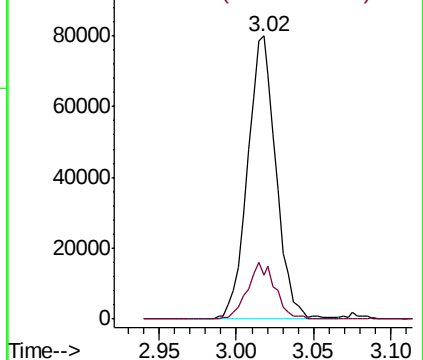
51 100

67 19.4 16.8 25.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.009 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL032922.D

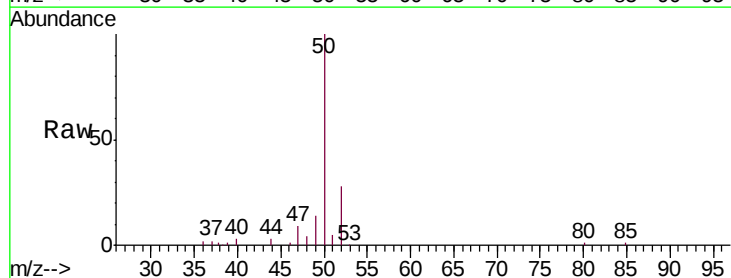
Acq: 7 Dec 2018 4:57

Tgt Ion: 50 Resp: 61191

Ion Ratio Lower Upper

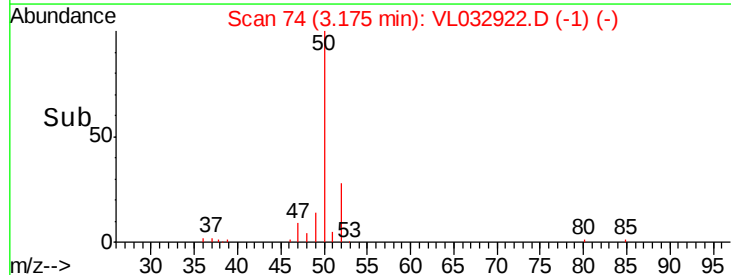
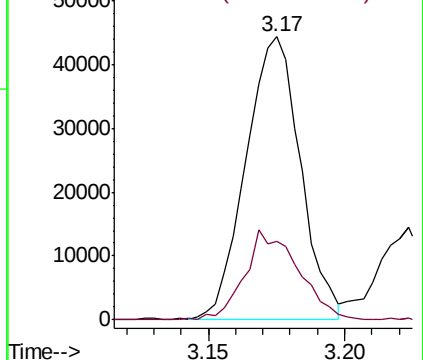
50 100

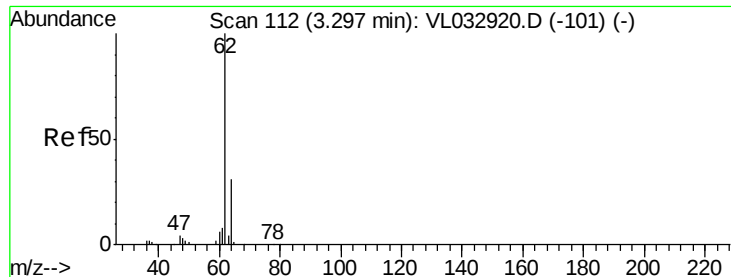
52 27.6 27.3 40.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.959 ppbv

RT: 3.29 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Instrument :

MSVOA_L

ClientSampleId :

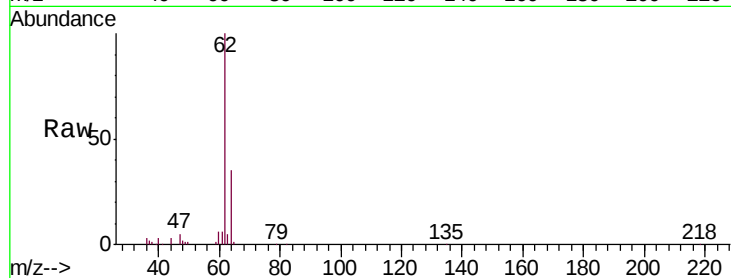
VSTDIC001

Tgt Ion: 62 Resp: 56948

Ion Ratio Lower Upper

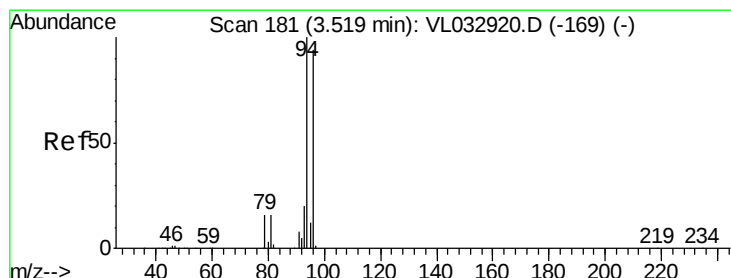
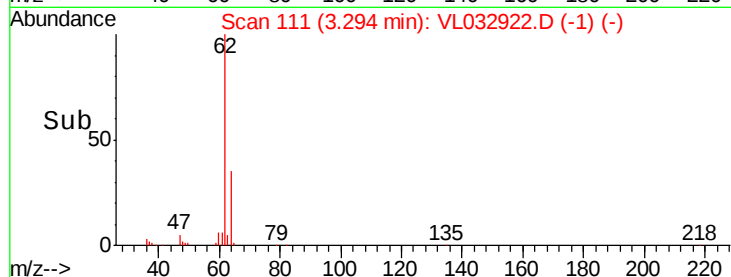
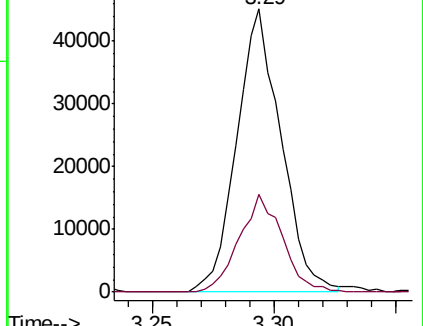
62 100

64 34.7 24.8 37.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.966 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL032922.D

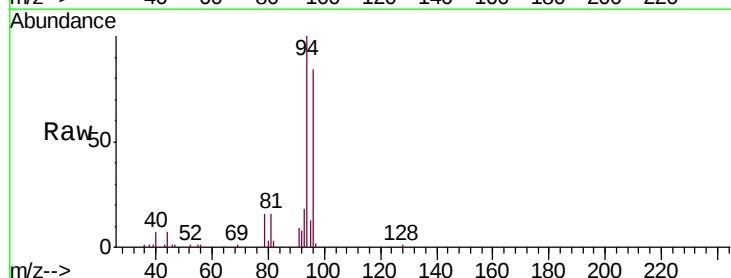
Acq: 7 Dec 2018 4:57

Tgt Ion: 94 Resp: 37203

Ion Ratio Lower Upper

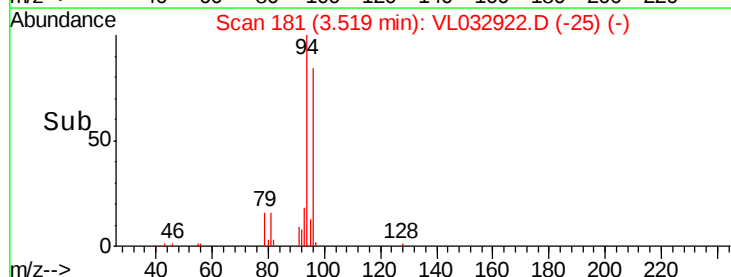
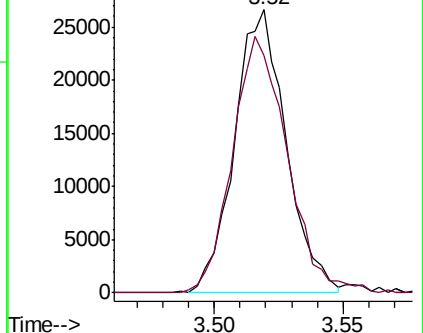
94 100

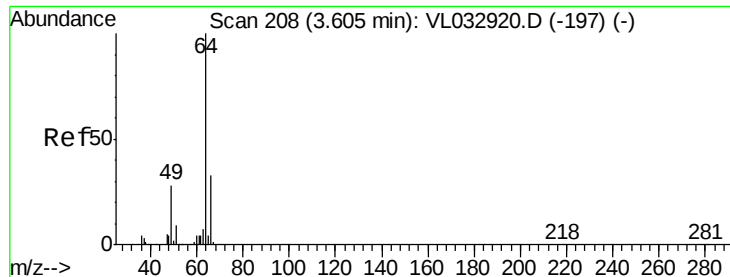
96 82.5 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.905 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Instrument :

MSVOA_L

ClientSampleId :

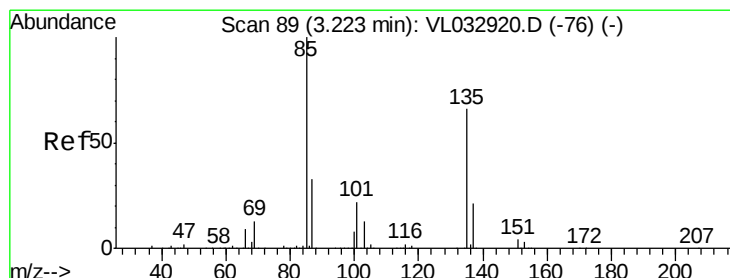
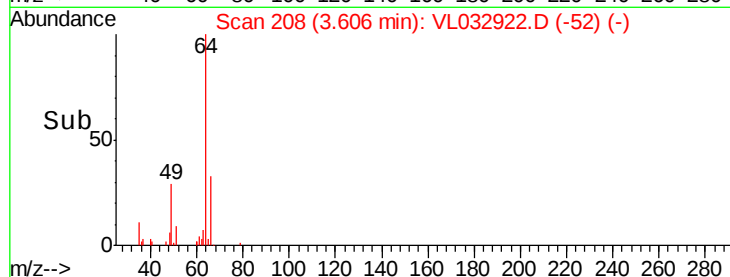
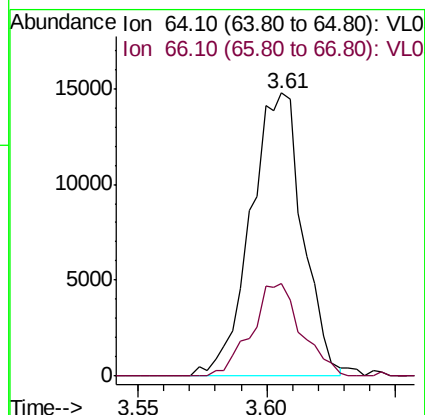
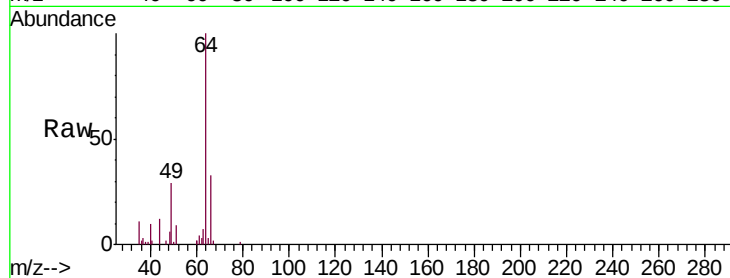
VSTDIC001

Tgt Ion: 64 Resp: 20828

Ion Ratio Lower Upper

64 100

66 32.9 26.6 40.0



#8

Dichlorotetrafluoroethane

Concen: 1.033 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL032922.D

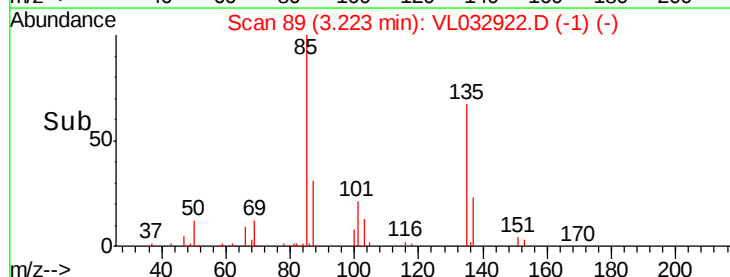
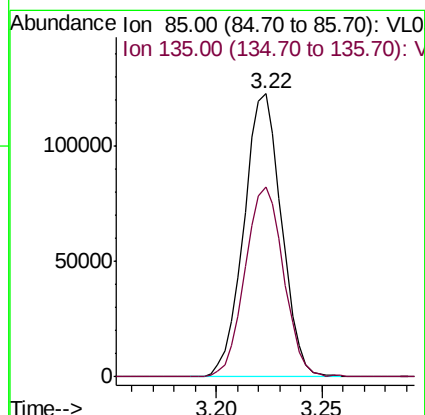
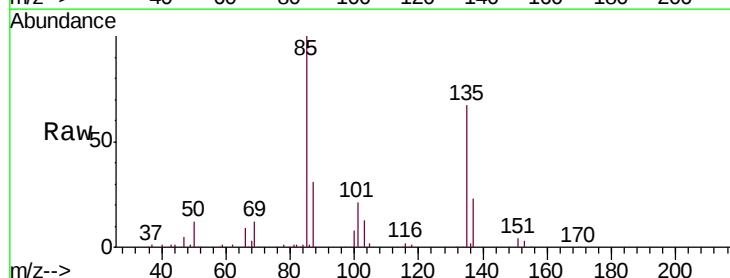
Acq: 7 Dec 2018 4:57

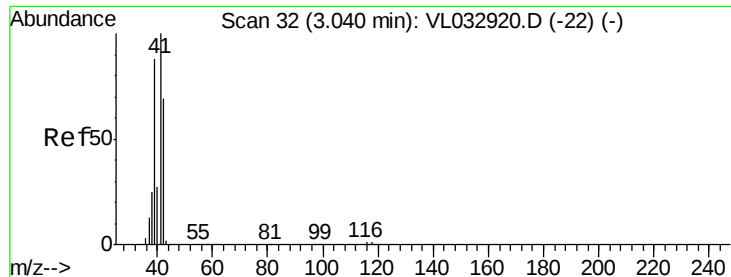
Tgt Ion: 85 Resp: 152118

Ion Ratio Lower Upper

85 100

135 68.6 54.5 81.7





#9

Propene

Concen: 0.978 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.00 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Instrument :

MSVOA_L

ClientSampleId :

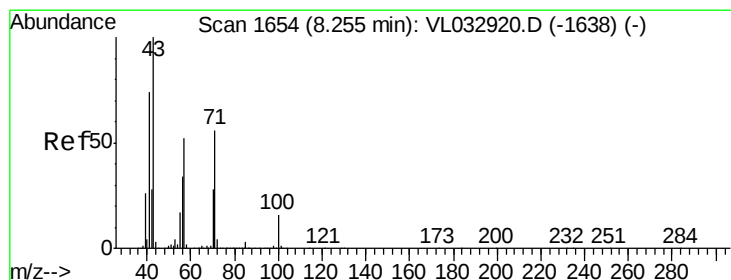
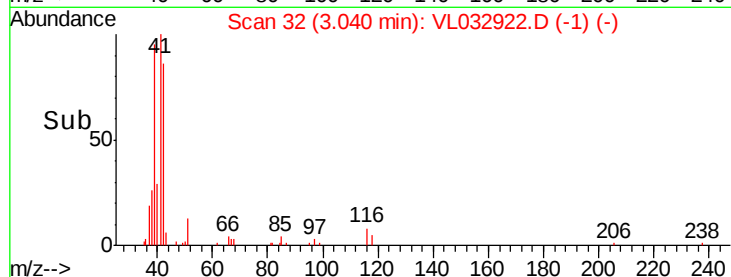
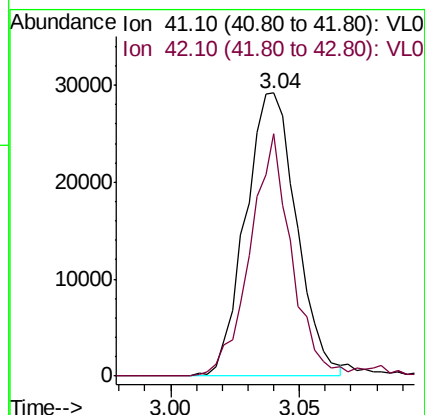
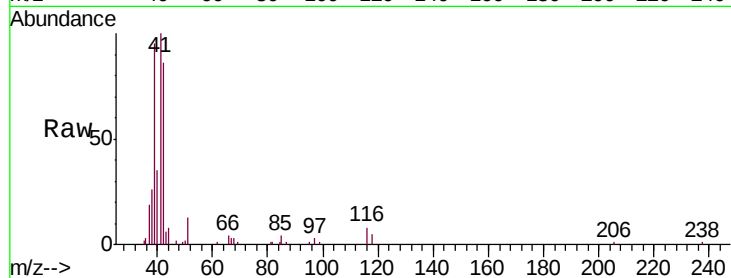
VSTDIC001

Tgt Ion: 41 Resp: 40279

Ion Ratio Lower Upper

41 100

42 71.6 56.2 84.2



#10

Heptane

Concen: 0.883 ppbv

RT: 8.25 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VL032922.D

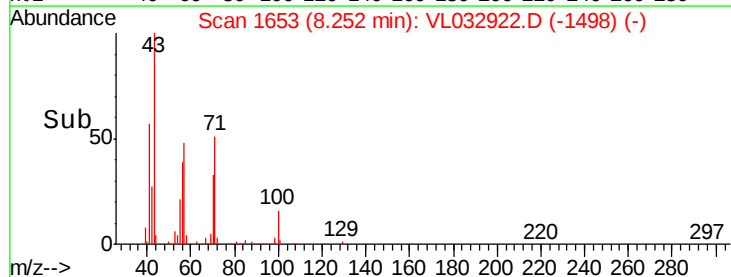
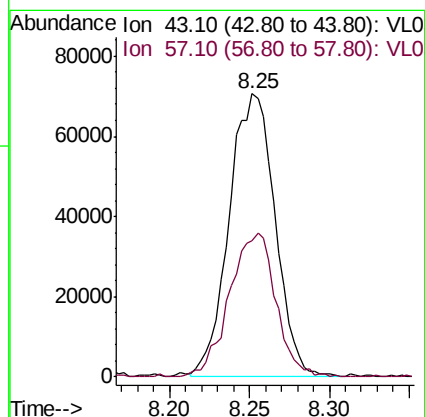
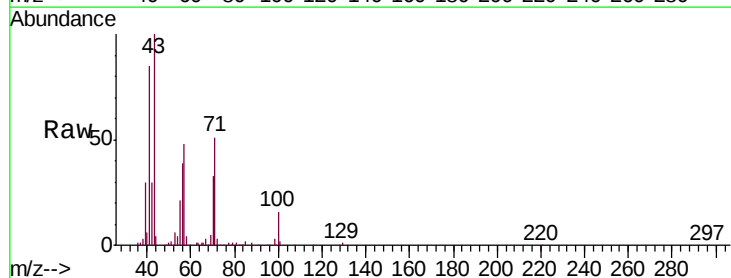
Acq: 7 Dec 2018 4:57

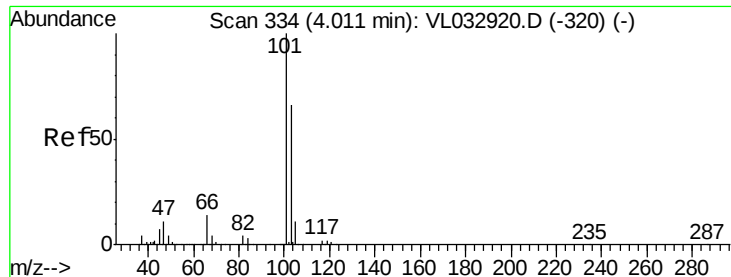
Tgt Ion: 43 Resp: 138274

Ion Ratio Lower Upper

43 100

57 51.3 41.8 62.6





#11

Trichlorofluoromethane

Concen: 0.913 ppbv

RT: 4.01 min Scan# 333

Delta R.T. -0.00 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Instrument :

MSVOA_L

ClientSampleId :

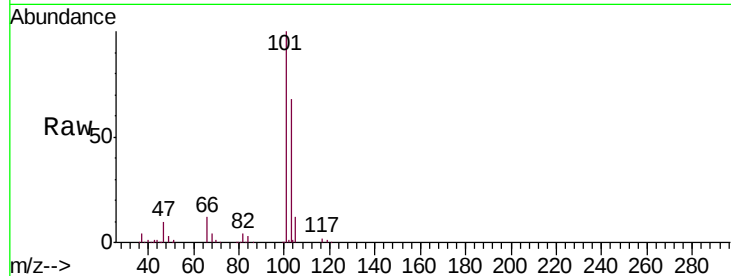
VSTDIC001

Tgt Ion:101 Resp: 163570

Ion Ratio Lower Upper

101 100

103 68.0 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

4.01

120000

100000

80000

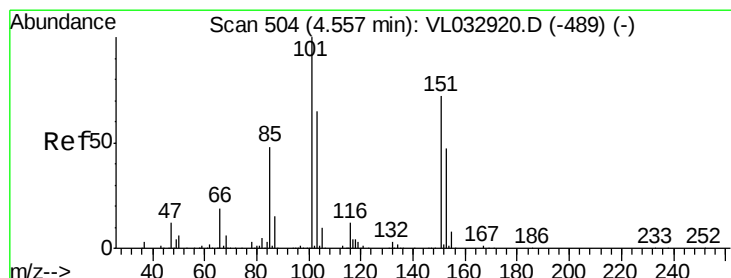
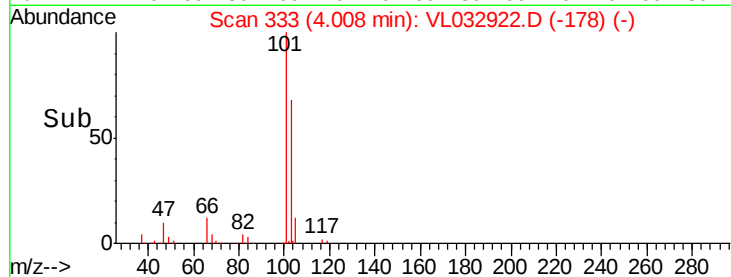
60000

40000

20000

0

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.092 ppbv

RT: 4.55 min Scan# 503

Delta R.T. -0.00 min

Lab File: VL032922.D

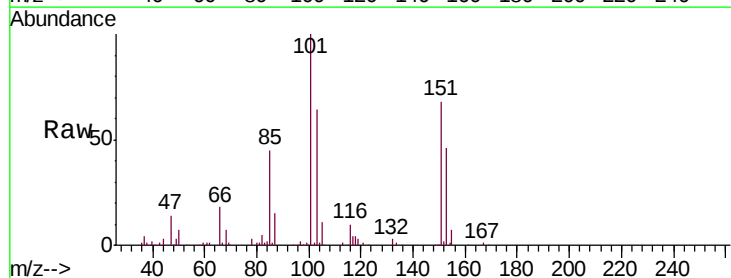
Acq: 7 Dec 2018 4:57

Tgt Ion:101 Resp: 148605

Ion Ratio Lower Upper

101 100

151 74.7 59.3 88.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.55

100000

80000

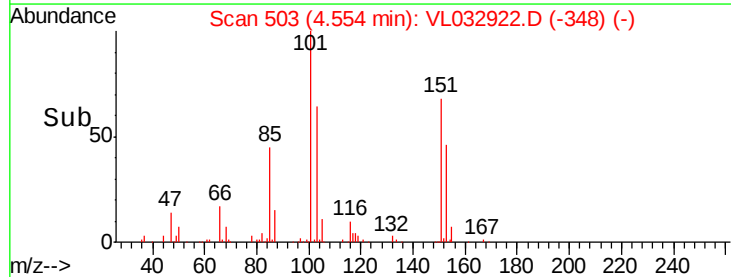
60000

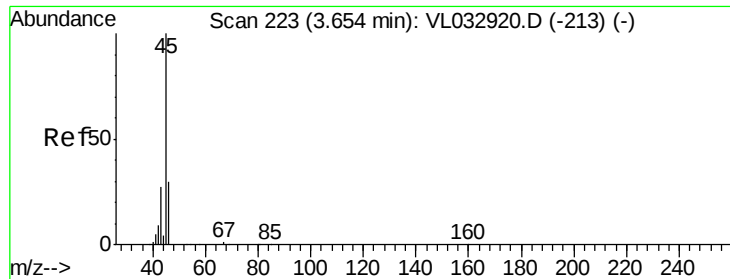
40000

20000

0

Time-->





#13

Ethanol

Concen: 1.108 ppbv

RT: 3.66 min Scan# 224

Delta R.T. 0.00 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Instrument :

MSVOA_L

ClientSampleId :

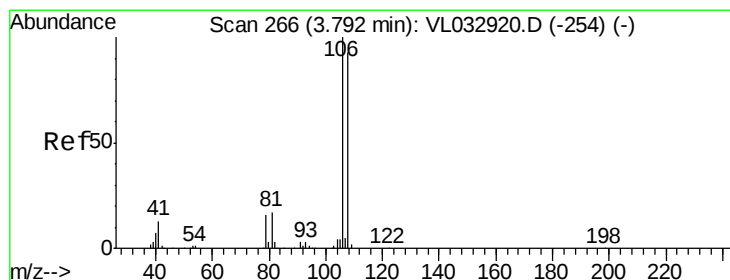
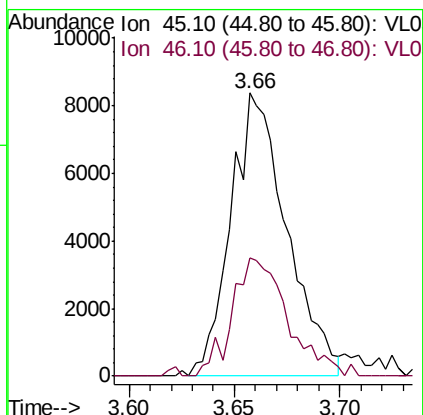
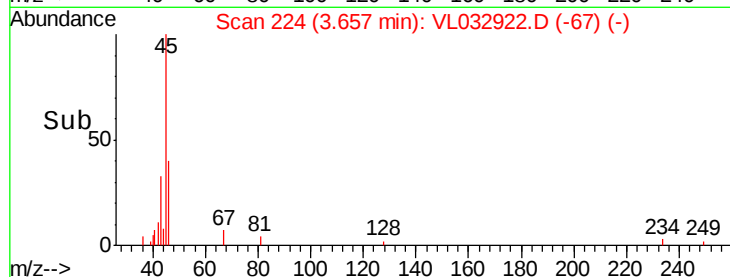
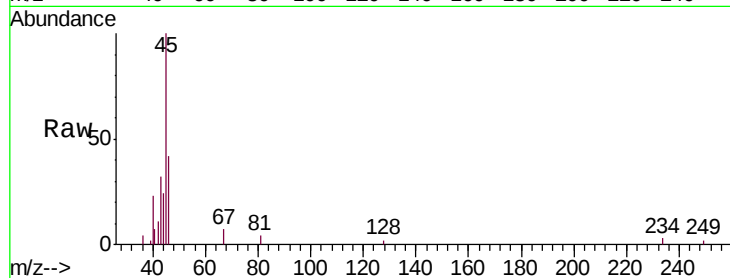
VSTDIC001

Tgt Ion: 45 Resp: 15441

Ion Ratio Lower Upper

45 100

46 42.3 13.8 55.4



#14

Bromoethene

Concen: 0.920 ppbv

RT: 3.79 min Scan# 265

Delta R.T. -0.00 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

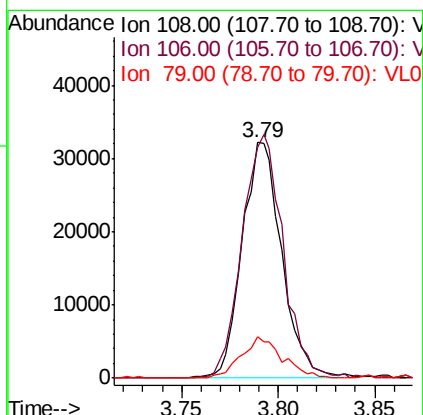
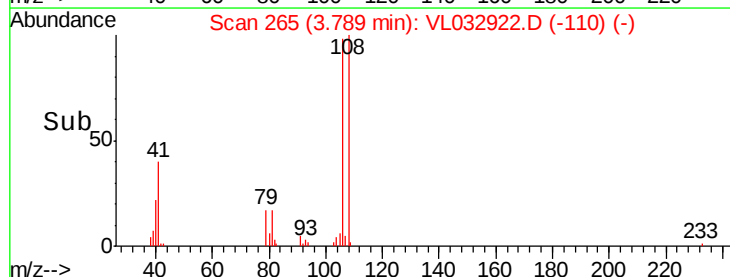
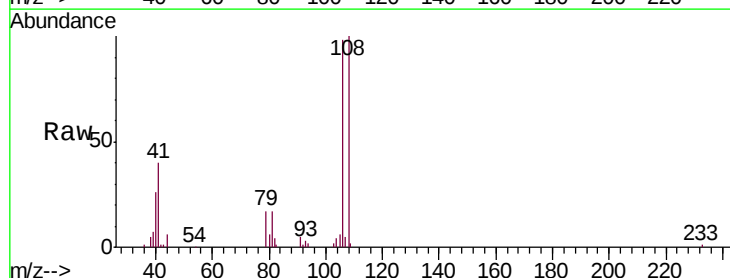
Tgt Ion: 108 Resp: 45826

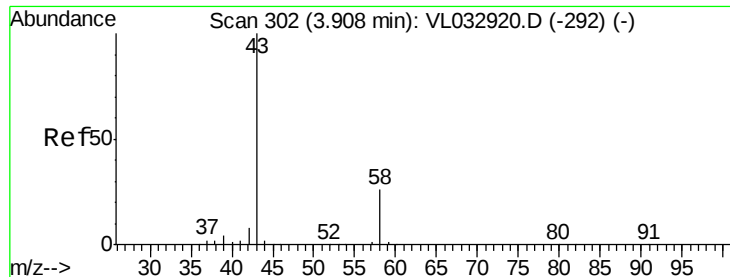
Ion Ratio Lower Upper

108 100

106 107.1 85.4 128.2

79 18.0 14.6 21.8





#15

Acetone

Concen: 1.020 ppbv

RT: 3.91 min Scan# 303

Delta R.T. 0.00 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Instrument :

MSVOA_L

ClientSampleId :

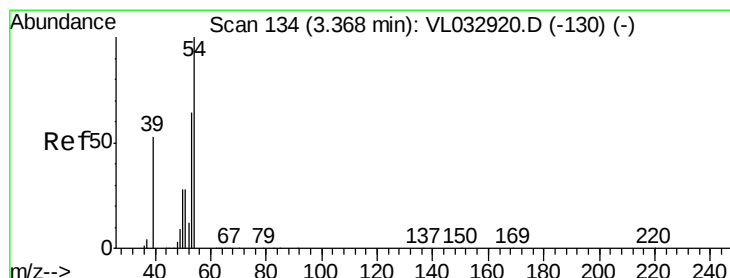
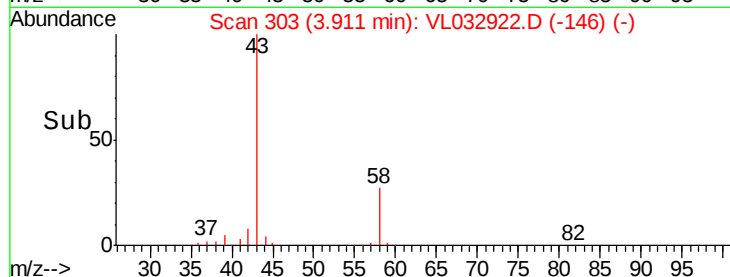
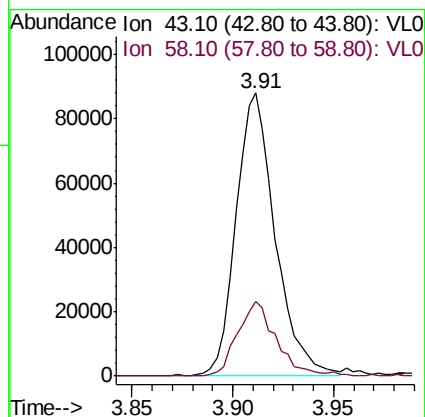
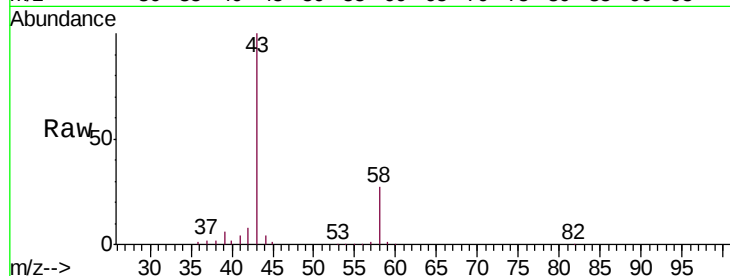
VSTDIC001

Tgt Ion: 43 Resp: 120071

Ion Ratio Lower Upper

43 100

58 26.8 20.6 30.8



#16

1,3-Butadiene

Concen: 0.893 ppbv

RT: 3.36 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL032922.D

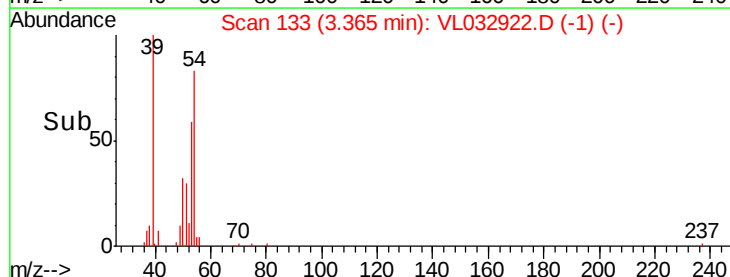
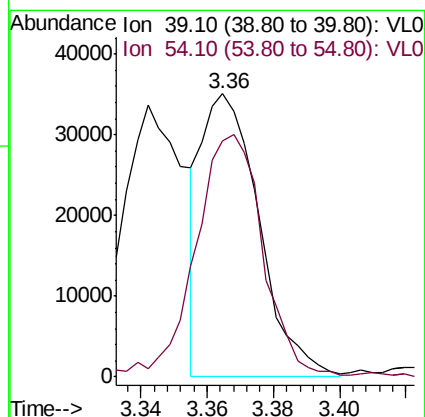
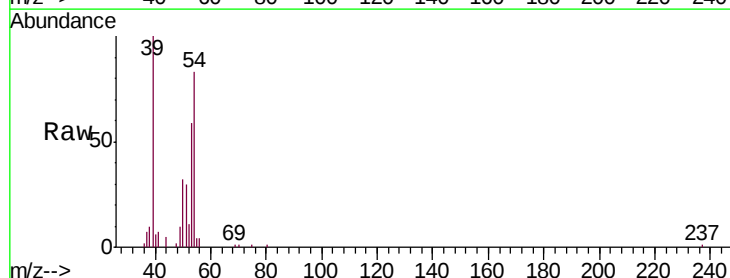
Acq: 7 Dec 2018 4:57

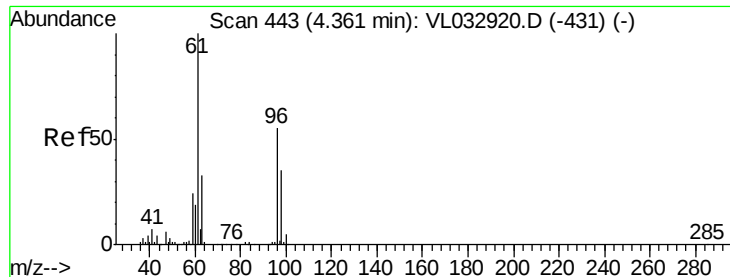
Tgt Ion: 39 Resp: 41973

Ion Ratio Lower Upper

39 100

54 102.8 72.7 109.1





#17

tert-Butyl alcohol

Concen: 0.065 ppbv

RT: 4.36 min Scan# 441

Delta R.T. -0.01 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Instrument :

MSVOA_L

ClientSampleId :

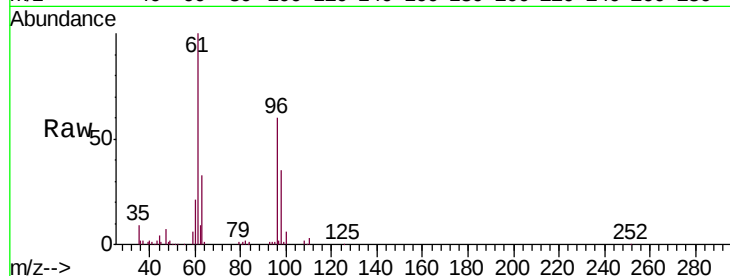
VSTDIC001

Tgt Ion: 59 Resp: 2128

Ion Ratio Lower Upper

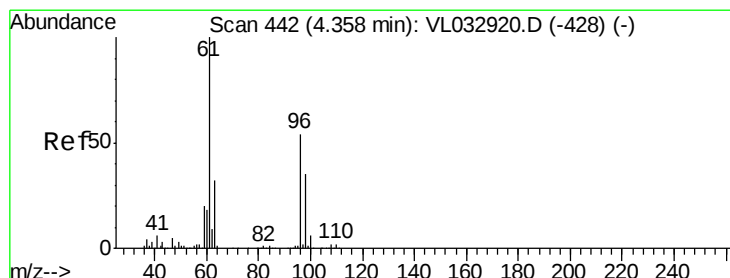
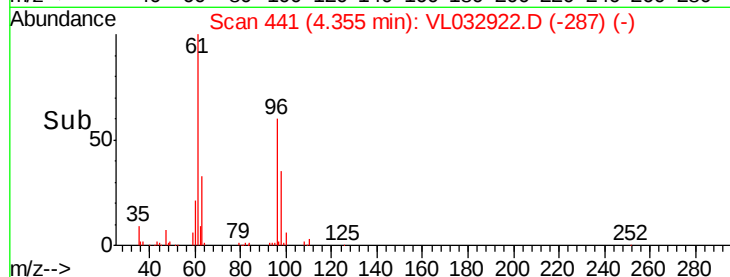
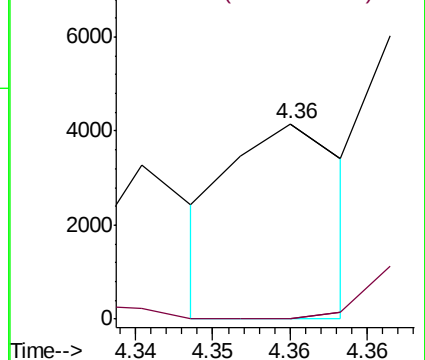
59 100

57 0.0 0.6 1.0#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 1.039 ppbv

RT: 4.36 min Scan# 441

Delta R.T. -0.00 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

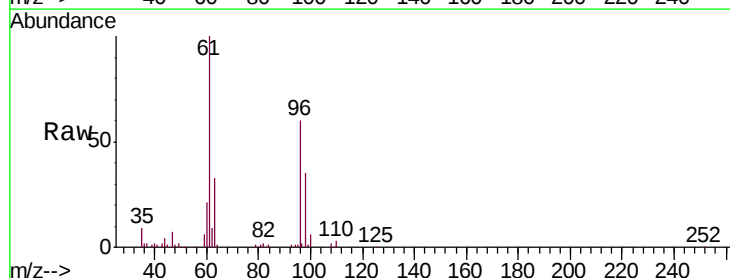
Tgt Ion: 96 Resp: 61428

Ion Ratio Lower Upper

96 100

61 164.6 147.0 220.4

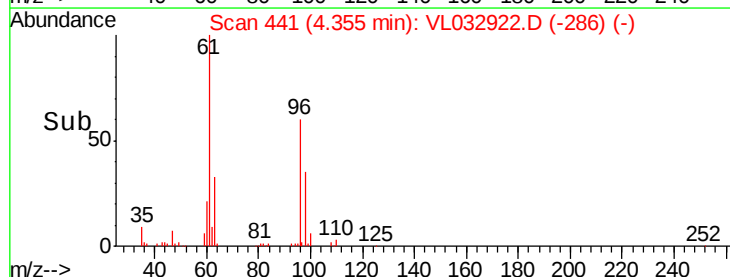
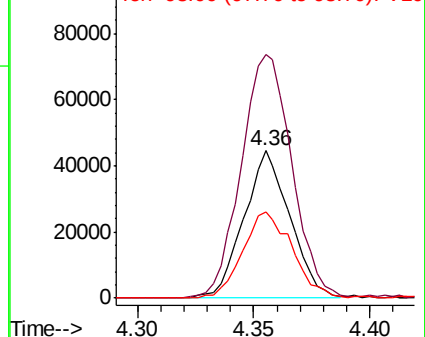
98 58.2 50.7 76.1

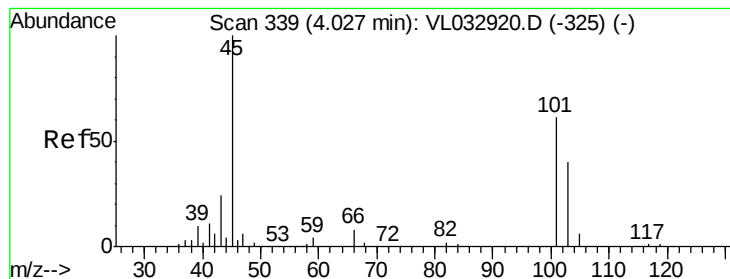


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.860 ppbv

RT: 4.04 min Scan# 342

Delta R.T. 0.01 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Instrument :

MSVOA_L

ClientSampleId :

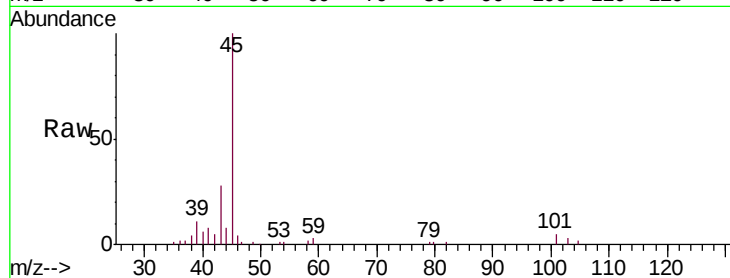
VSTDIC001

Tgt Ion: 45 Resp: 73258

Ion Ratio Lower Upper

45 100

58 2.8 1.4 2.2#

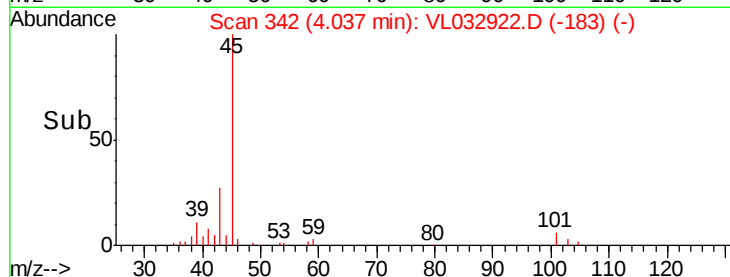


Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.04

Time-->



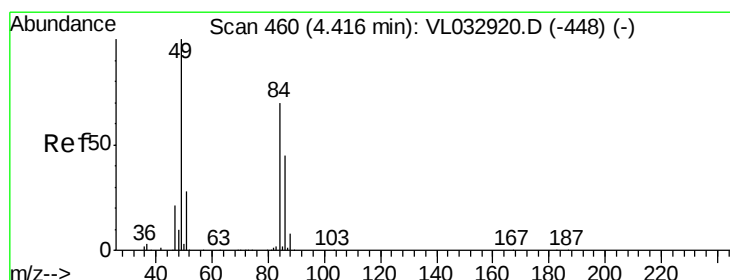
Abundance

Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.04

Time-->



#20

Methylene Chloride

Concen: 0.945 ppbv

RT: 4.41 min Scan# 458

Delta R.T. -0.01 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Tgt Ion: 84 Resp: 62536

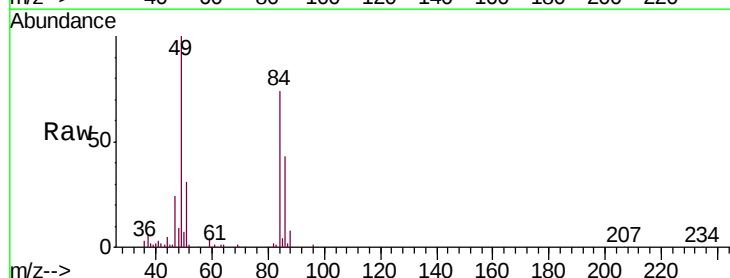
Ion Ratio Lower Upper

84 100

49 133.4 113.8 170.8

51 40.2 31.8 47.8

86 57.8 50.8 76.2



Abundance Ion 84.00 (83.70 to 84.70): VL0

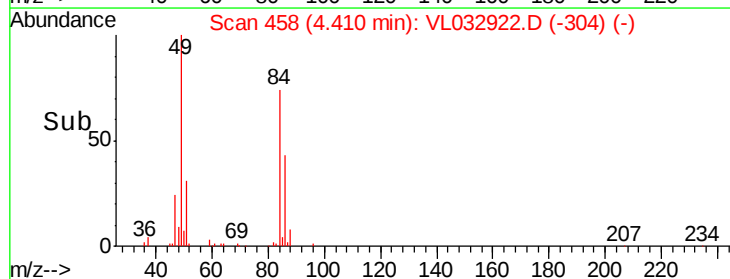
Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

4.41

Time-->



Abundance

Ion 84.00 (83.70 to 84.70): VL0

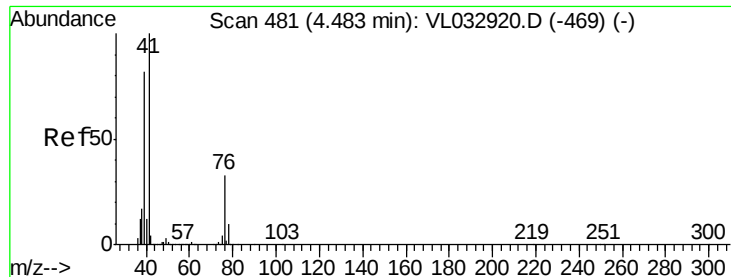
Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

4.41

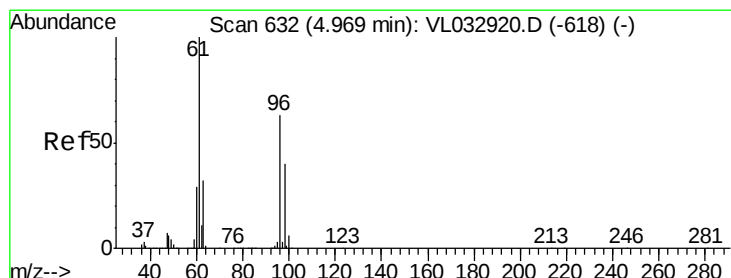
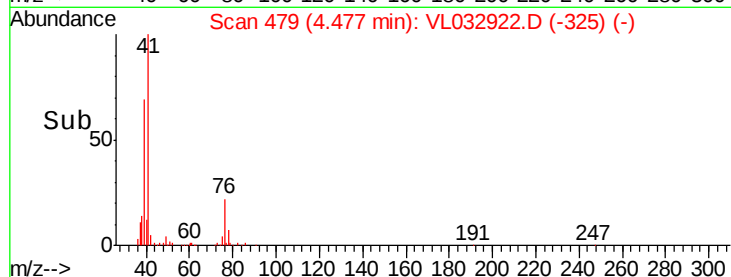
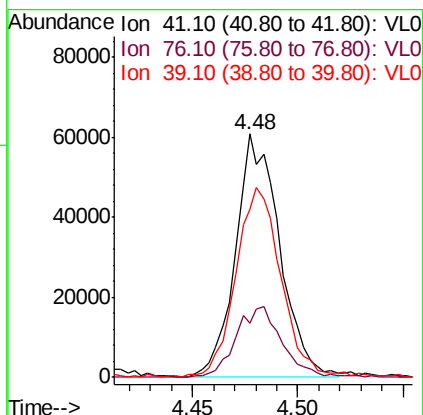
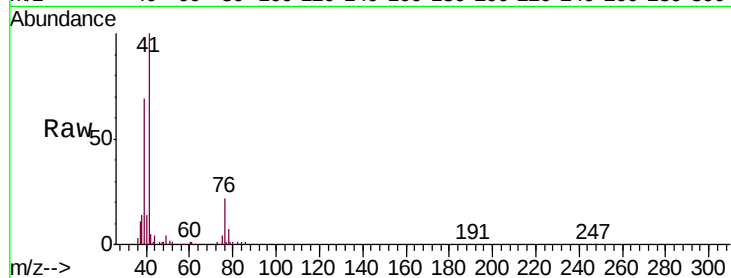
Time-->



#21
 Allyl Chloride
 Concen: 1.009 ppbv
 RT: 4.48 min Scan# 479
 Delta R.T. -0.01 min
 Lab File: VL032922.D
 Acq: 7 Dec 2018 4:57

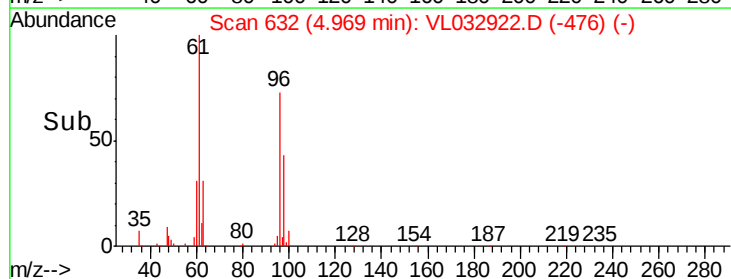
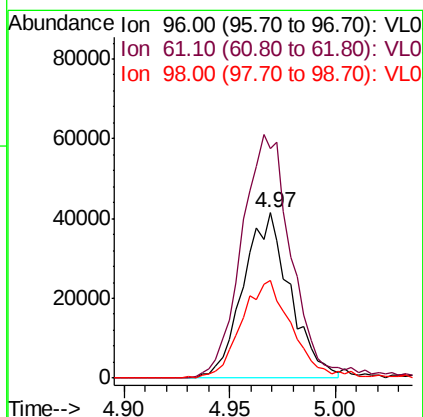
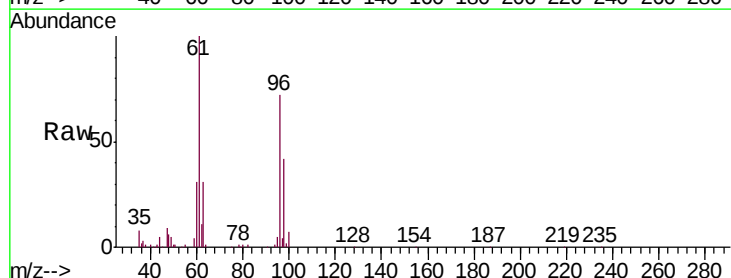
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

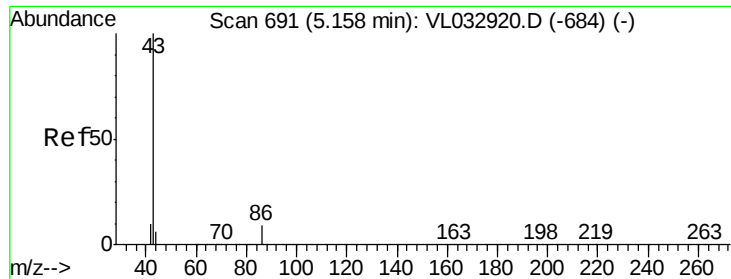
Tgt Ion: 41 Resp: 87619
 Ion Ratio Lower Upper
 41 100
 76 30.5 25.2 37.8
 39 80.4 65.2 97.8



#22
 trans-1,2-Dichloroethene
 Concen: 0.899 ppbv
 RT: 4.97 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VL032922.D
 Acq: 7 Dec 2018 4:57

Tgt Ion: 96 Resp: 64217
 Ion Ratio Lower Upper
 96 100
 61 138.9 127.1 190.7
 98 57.9 51.3 76.9

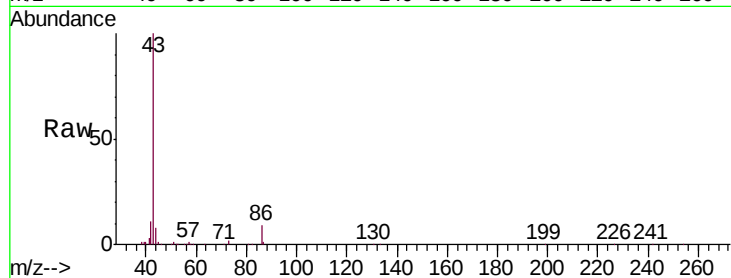




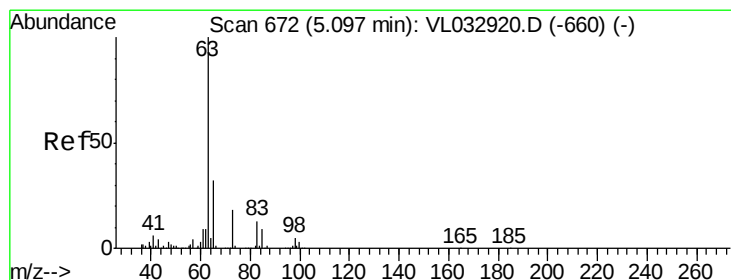
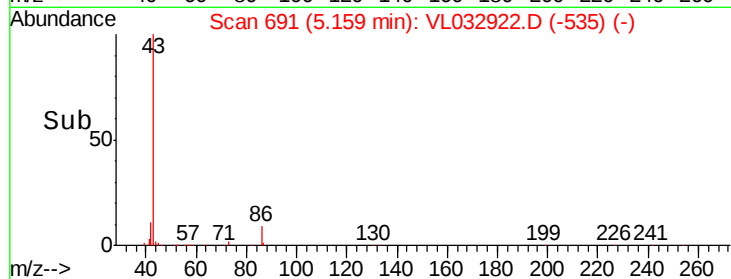
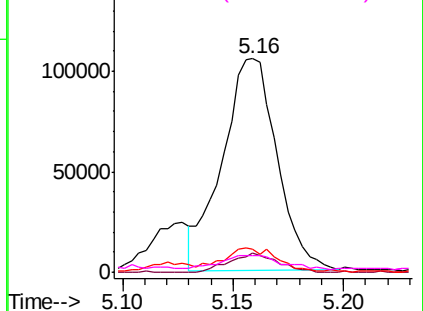
#23
 Vinyl Acetate
 Concen: 0.822 ppbv
 RT: 5.16 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VL032922.D
 Acq: 7 Dec 2018 4:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:	43	Resp:	182286
Ion	Ratio	Lower	Upper
43	100		
86	9.5	6.6	9.8
42	10.2	8.3	12.5
44	6.3	4.2	6.4

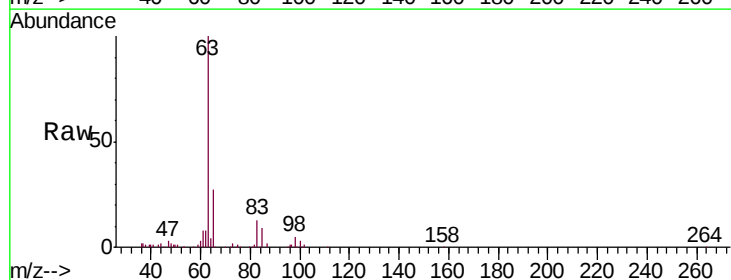


Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0

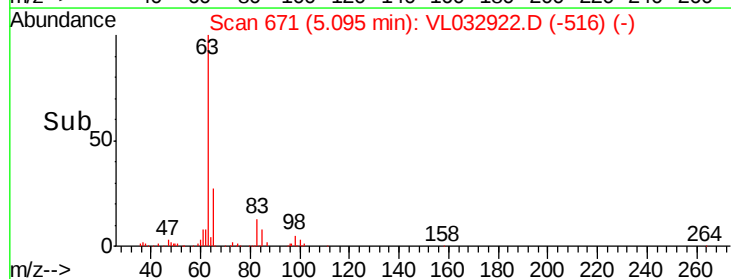
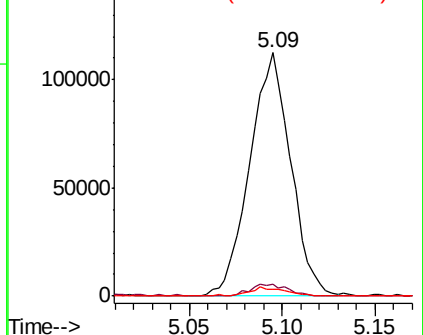


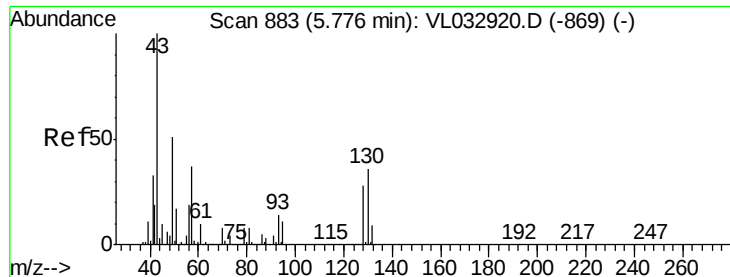
#24
 1,1-Dichloroethane
 Concen: 1.018 ppbv
 RT: 5.09 min Scan# 671
 Delta R.T. -0.00 min
 Lab File: VL032922.D
 Acq: 7 Dec 2018 4:57

Tgt Ion:	63	Resp:	173867
Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.5	7.5
100	2.7	1.4	4.2



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: 0.988 ppbv

RT: 5.78 min Scan# 883

Delta R.T. 0.00 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 274357

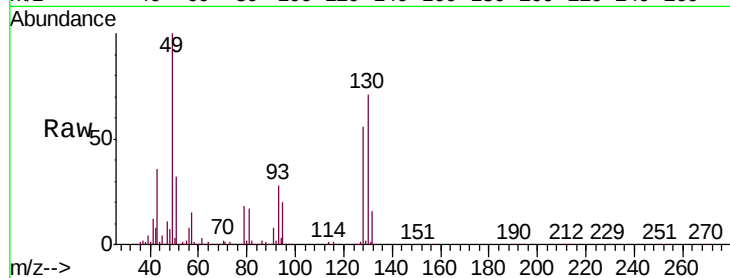
Ion Ratio Lower Upper

43 100

45 10.0 7.8 11.6

61 9.6 7.4 11.2

70 7.3 5.7 8.5

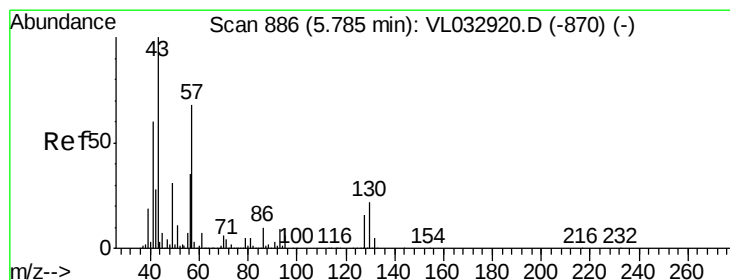
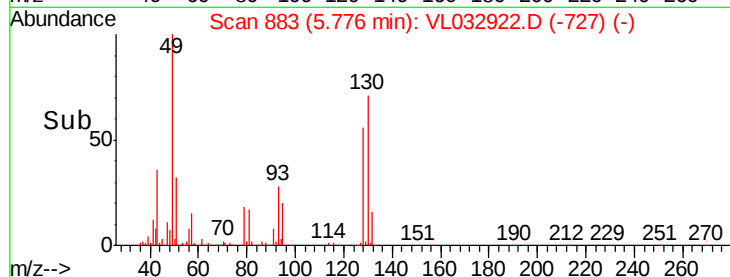
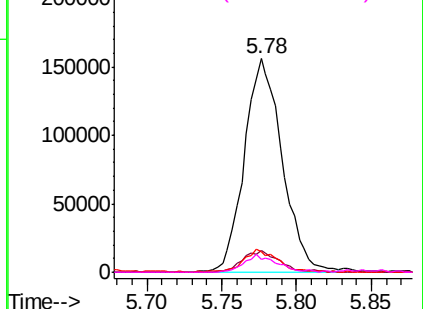


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.970 ppbv

RT: 5.78 min Scan# 885

Delta R.T. -0.00 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Tgt Ion: 57 Resp: 126437

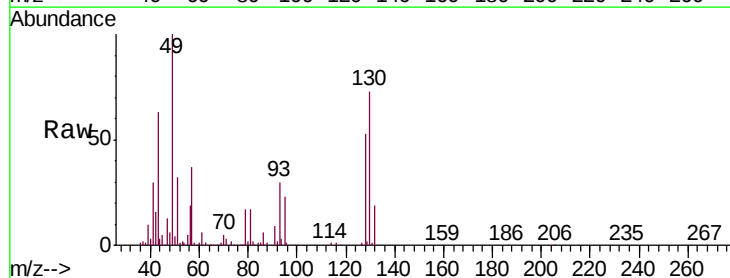
Ion Ratio Lower Upper

57 100

41 91.7 72.2 108.2

43 219.8 171.9 257.9

56 54.7 42.2 63.2

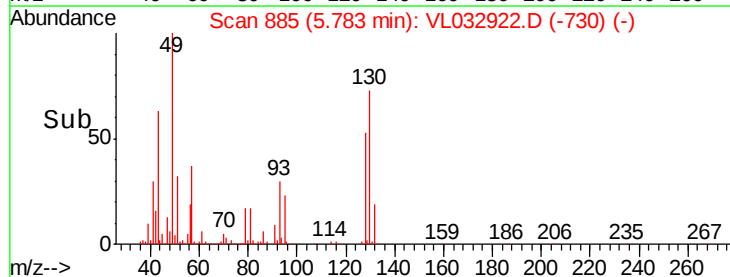
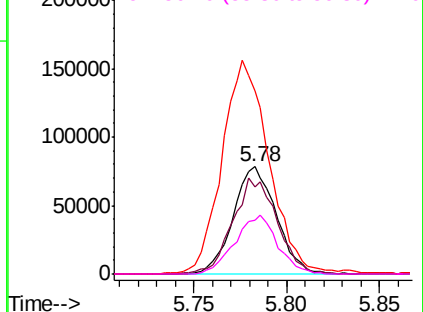


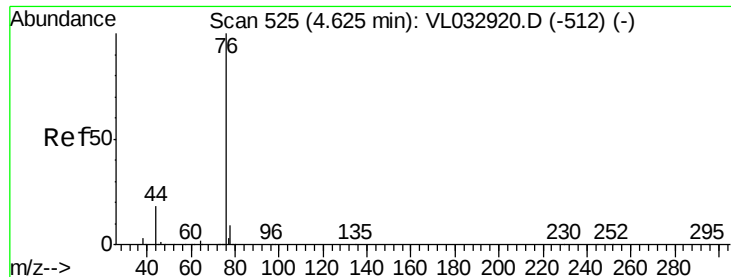
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.914 ppbv

RT: 4.63 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

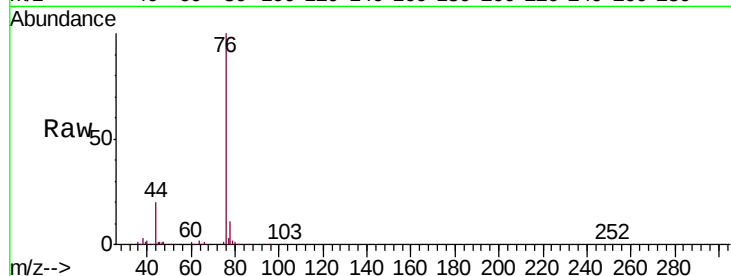
Tgt Ion: 76 Resp: 150749

Ion Ratio Lower Upper

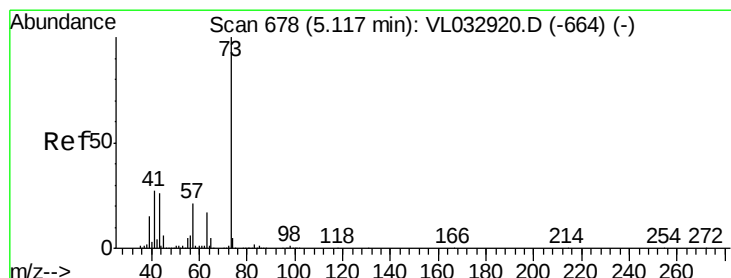
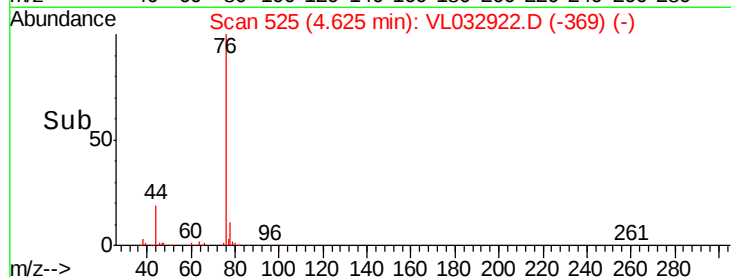
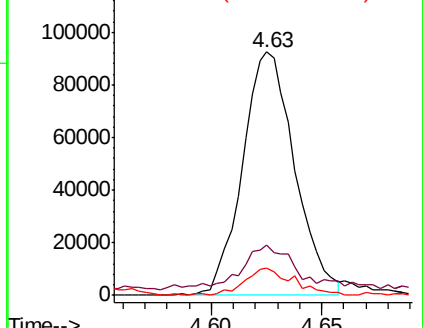
76 100

44 27.9 14.7 22.1#

78 11.0 7.4 11.2



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: 0.845 ppbv

RT: 5.12 min Scan# 680

Delta R.T. 0.01 min

Lab File: VL032922.D

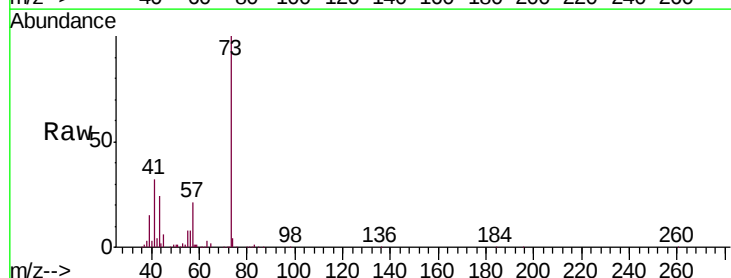
Acq: 7 Dec 2018 4:57

Tgt Ion: 73 Resp: 176644

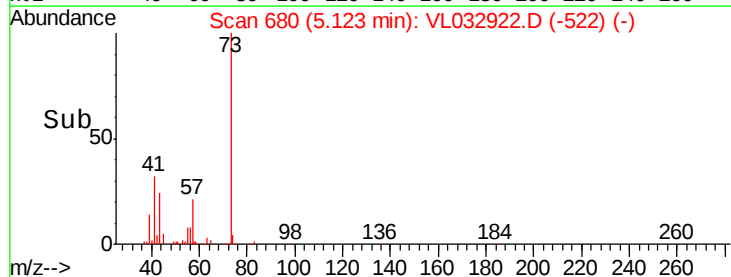
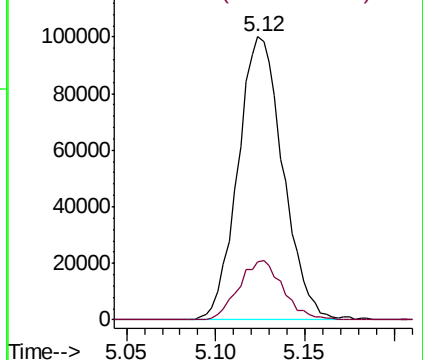
Ion Ratio Lower Upper

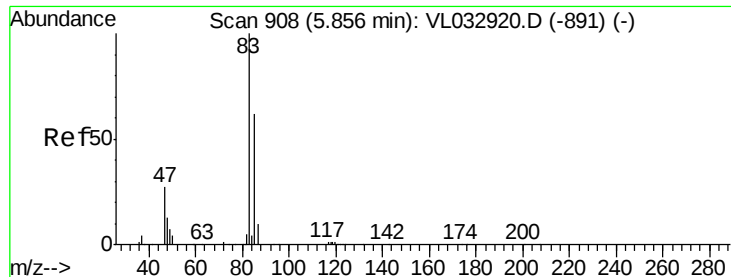
73 100

57 20.8 17.4 26.0



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





#29

Chloroform

Concen: 1.044 ppbv

RT: 5.85 min Scan# 905

Delta R.T. -0.01 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Instrument :

MSVOA_L

ClientSampleId :

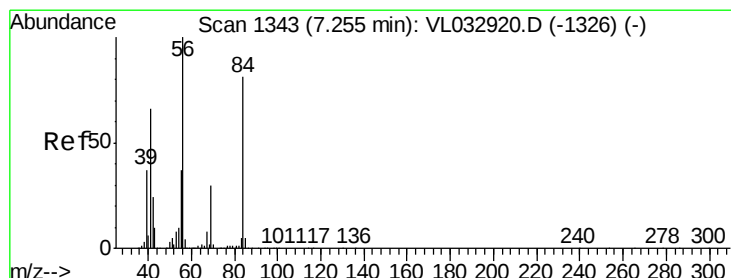
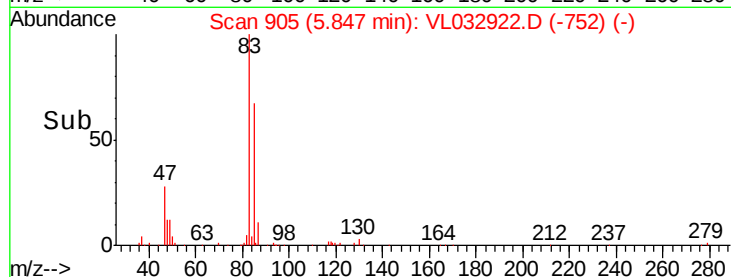
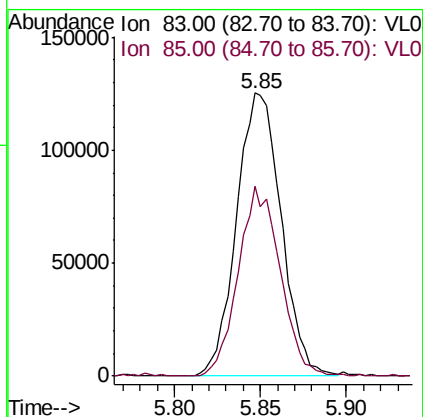
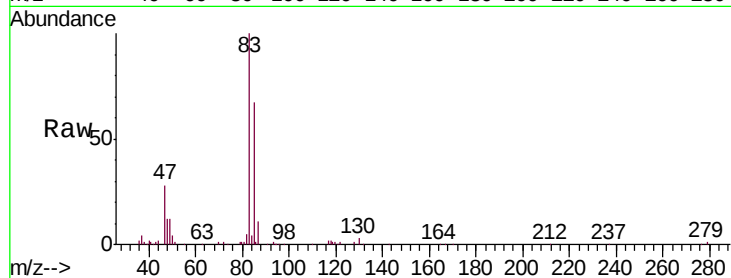
VSTDIC001

Tgt Ion: 83 Resp: 226055

Ion Ratio Lower Upper

83 100

85 67.0 49.8 74.8



#30

Cyclohexane

Concen: 0.433 ppbv

RT: 7.25 min Scan# 1341

Delta R.T. -0.01 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

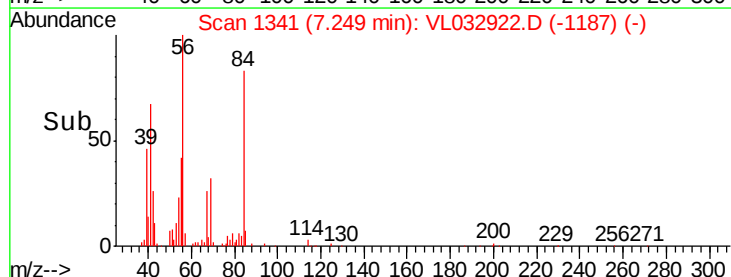
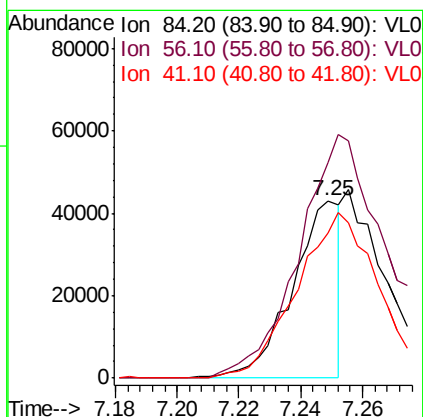
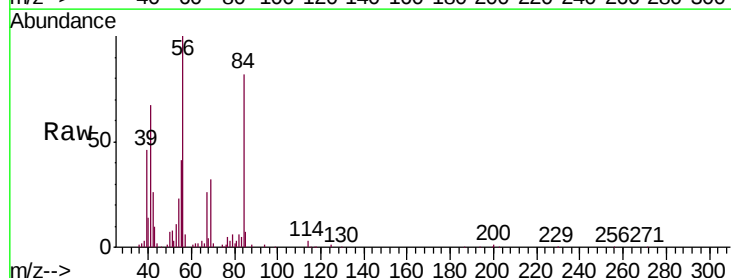
Tgt Ion: 84 Resp: 46102

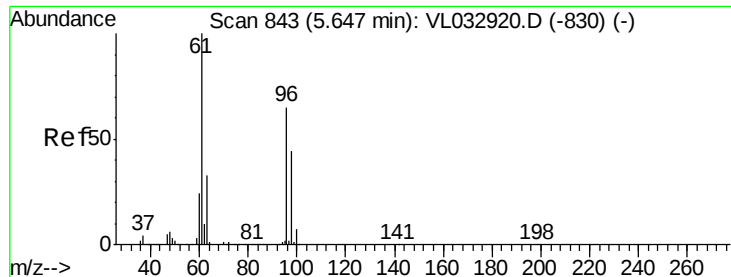
Ion Ratio Lower Upper

84 100

56 0.0 102.5 153.7#

41 0.0 64.1 96.1#



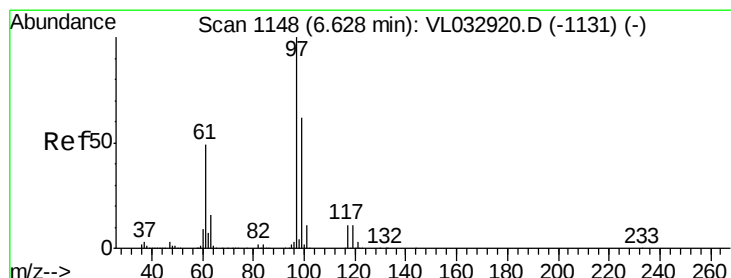
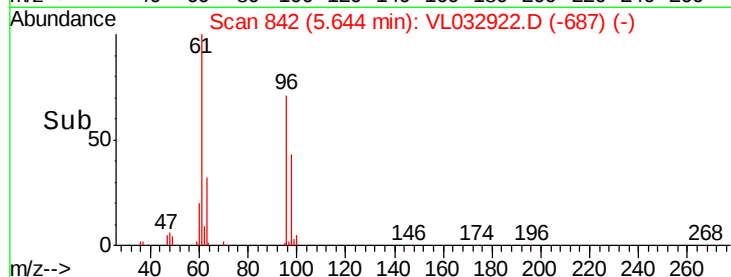
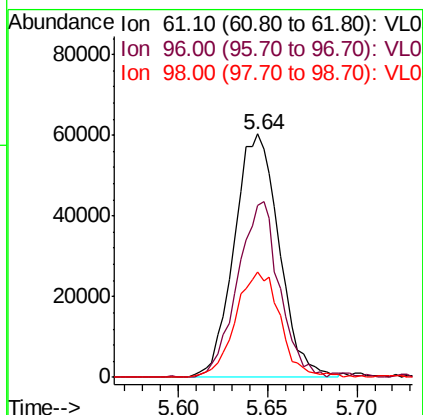
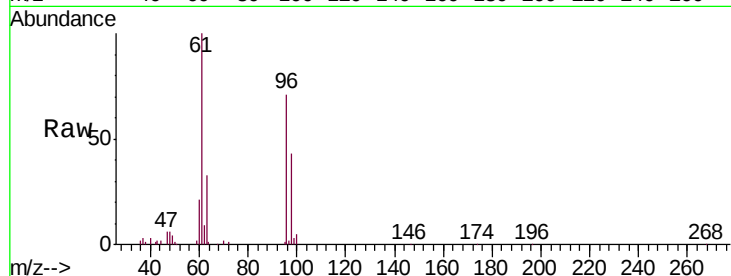


#31

cis-1,2-Dichloroethene
 Concen: 0.893 ppbv
 RT: 5.64 min Scan# 842
 Delta R.T. -0.00 min
 Lab File: VL032922.D
 Acq: 7 Dec 2018 4:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

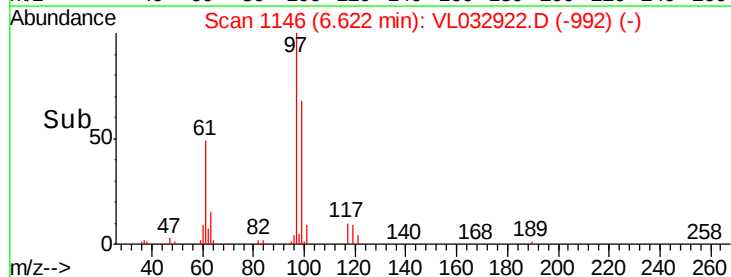
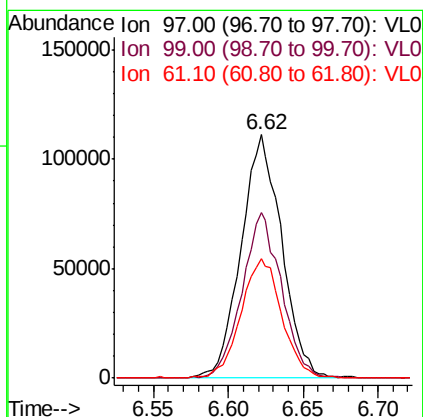
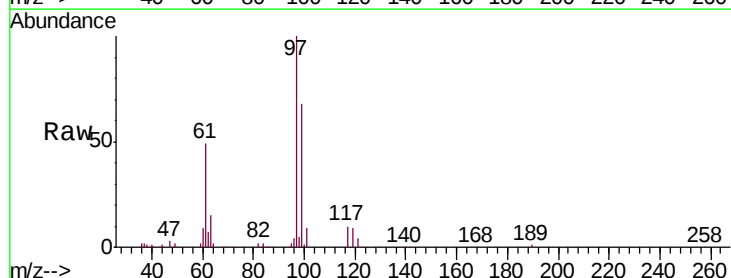
Tgt Ion:	61	Resp:	106000
Ion	Ratio	Lower	Upper
61	100		
96	70.8	51.9	77.9
98	43.2	35.0	52.4

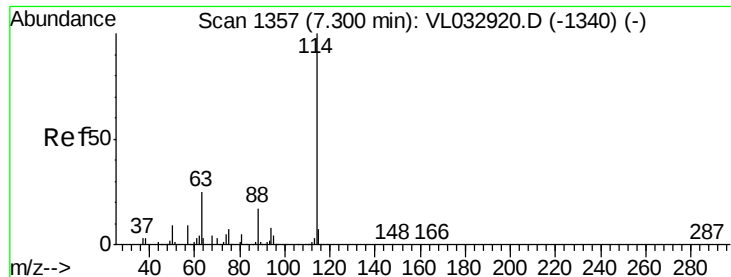


#32

1,1,1-Trichloroethane
 Concen: 0.867 ppbv
 RT: 6.62 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: VL032922.D
 Acq: 7 Dec 2018 4:57

Tgt Ion:	97	Resp:	210277
Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.1	76.7
61	49.3	39.3	58.9

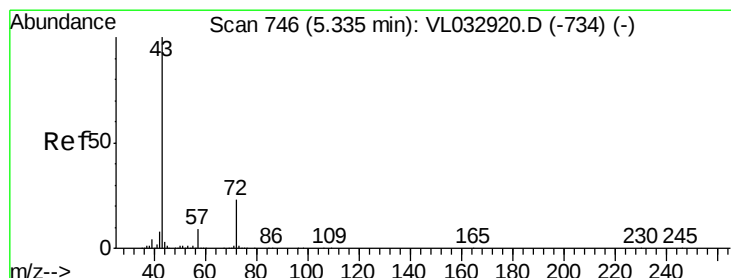
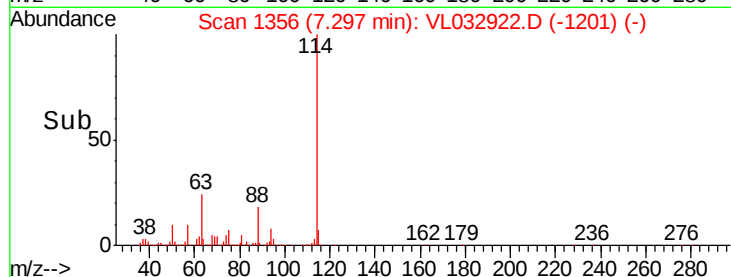
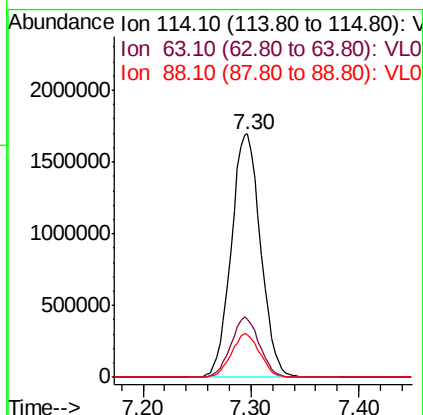
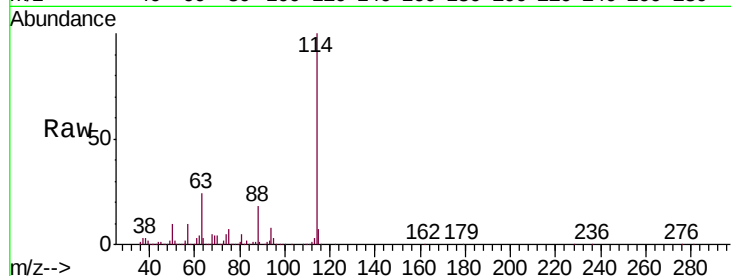




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VL032922.D
 Acq: 7 Dec 2018 4:57

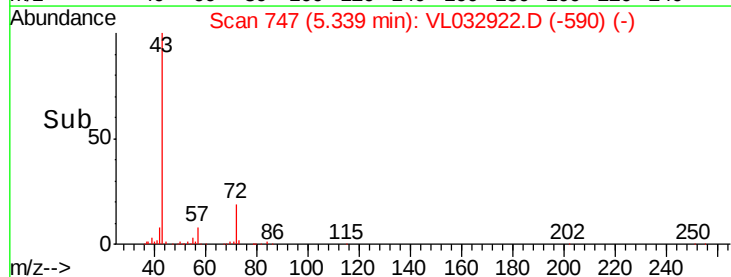
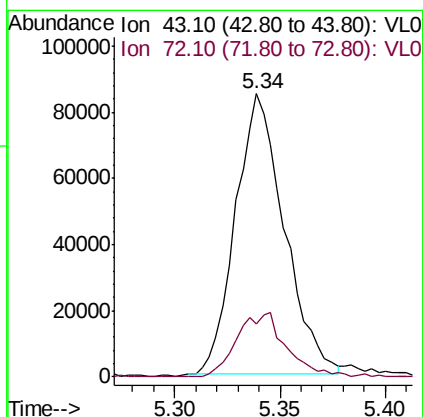
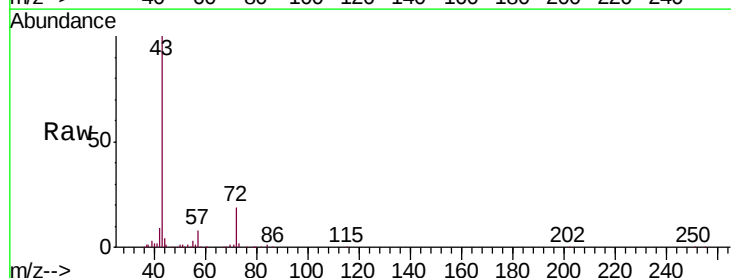
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

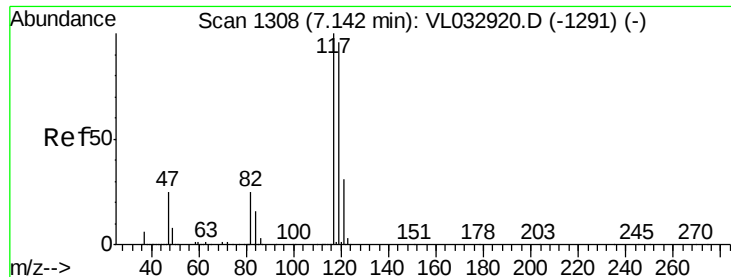
Tgt Ion:114 Resp: 3216028
 Ion Ratio Lower Upper
 114 100
 63 24.3 20.1 30.1
 88 17.6 14.2 21.4



#34
 2-Butanone
 Concen: 0.854 ppbv
 RT: 5.34 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VL032922.D
 Acq: 7 Dec 2018 4:57

Tgt Ion: 43 Resp: 135955
 Ion Ratio Lower Upper
 43 100
 72 23.6 18.8 28.2

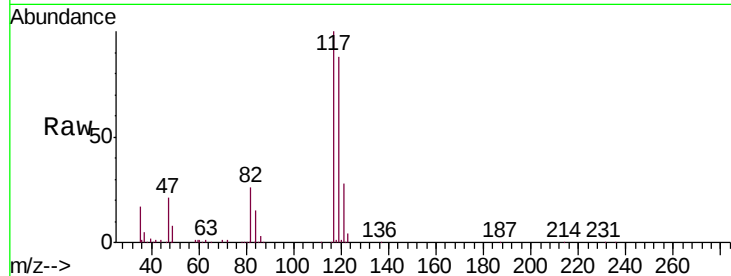




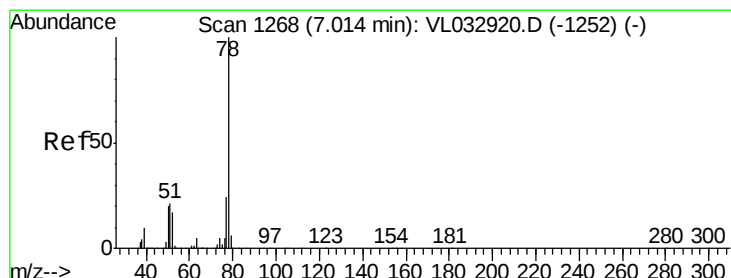
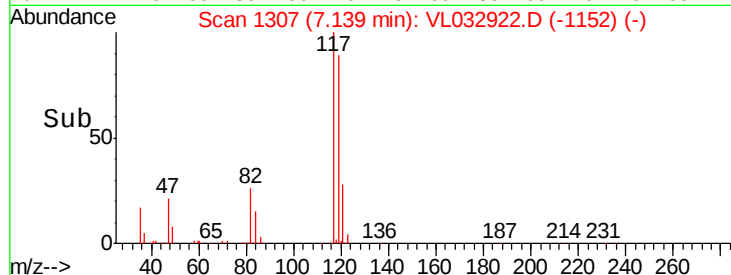
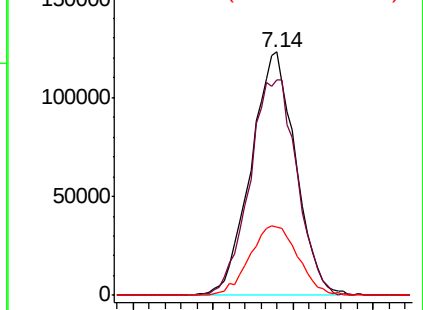
#35
Carbon Tetrachloride
Concen: 0.987 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. -0.00 min
Lab File: VL032922.D
Acq: 7 Dec 2018 4:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.4	76.5	114.7
121	28.2	24.5	36.7

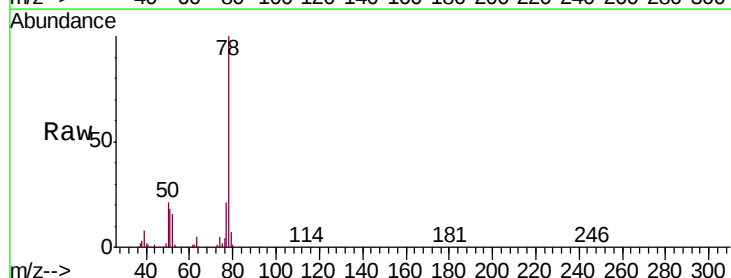


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

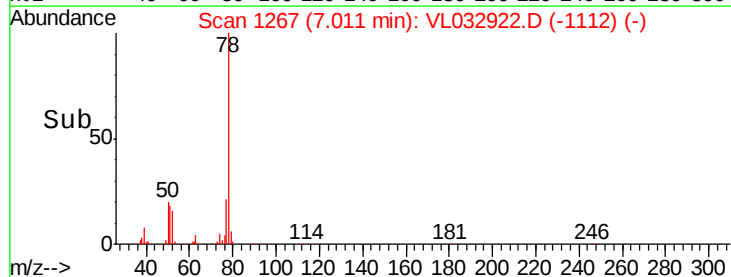
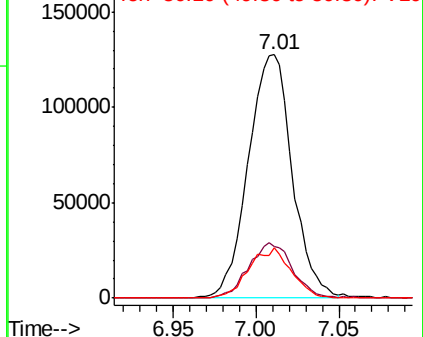


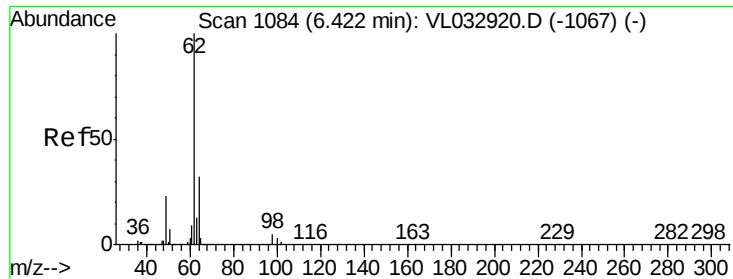
#36
Benzene
Concen: 0.935 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VL032922.D
Acq: 7 Dec 2018 4:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.4	18.9	28.3
50	20.5	16.1	24.1



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

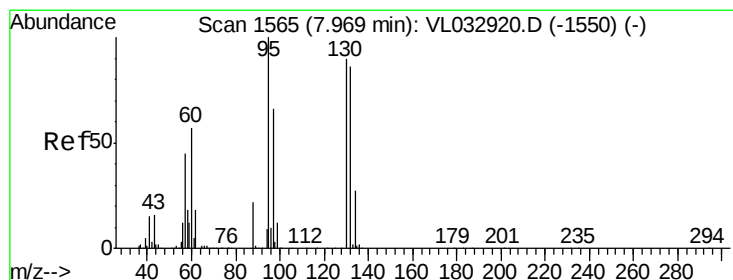
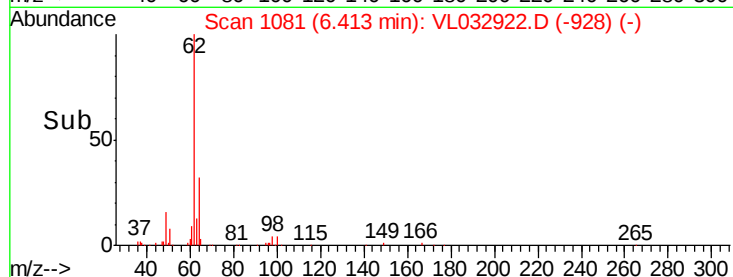
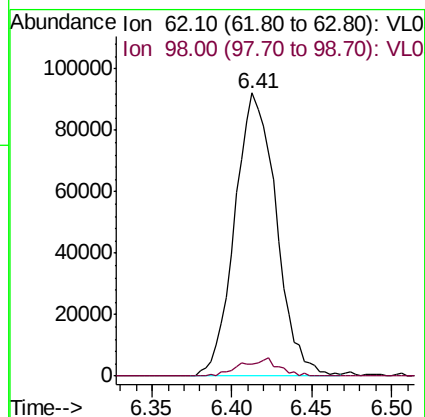
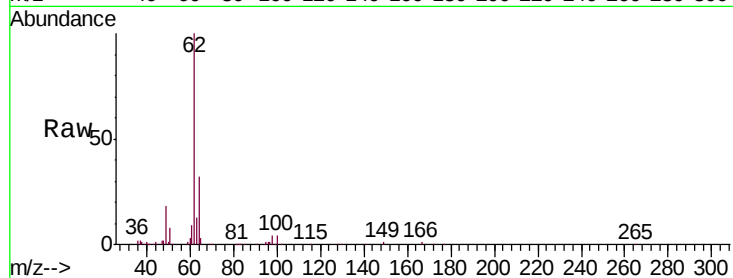




#37
 1,2-Dichloroethane
 Concen: 1.005 ppbv
 RT: 6.41 min Scan# 1081
 Delta R.T. -0.01 min
 Lab File: VL032922.D
 Acq: 7 Dec 2018 4:57

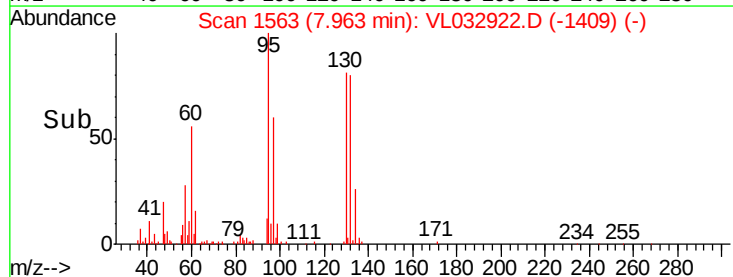
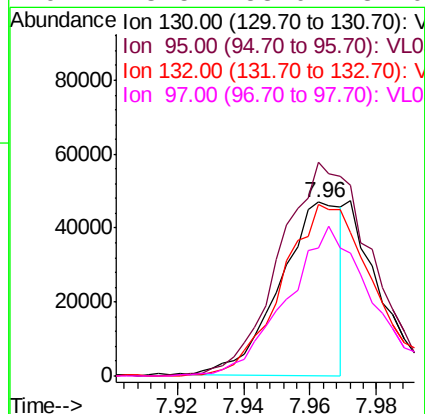
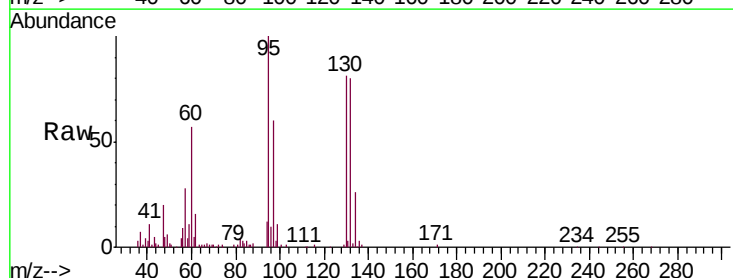
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

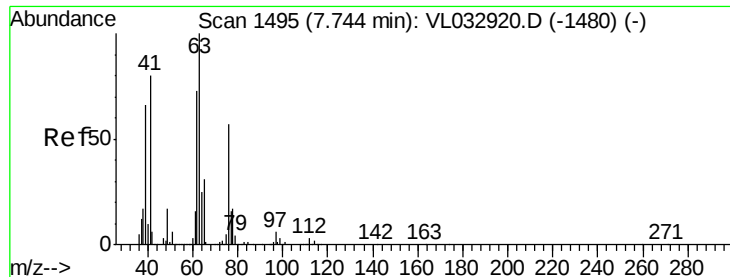
Tgt Ion: 62 Resp: 162759
 Ion Ratio Lower Upper
 62 100
 98 5.8 4.3 6.5



#38
 Trichloroethene
 Concen: 0.601 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: VL032922.D
 Acq: 7 Dec 2018 4:57

Tgt Ion: 130 Resp: 60278
 Ion Ratio Lower Upper
 130 100
 95 122.5 88.6 132.8
 132 98.7 76.1 114.1
 97 73.5 58.0 87.0





#39

1,2-Dichloropropane

Concen: 0.969 ppbv

RT: 7.74 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

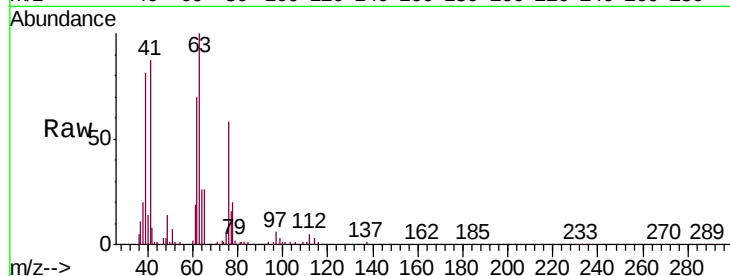
Tgt Ion: 63 Resp: 89477

Ion Ratio Lower Upper

63 100

41 86.8 63.9 95.9

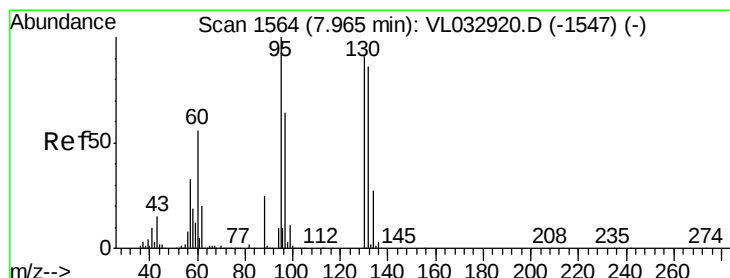
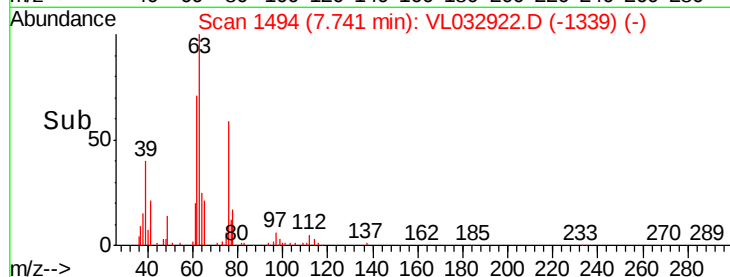
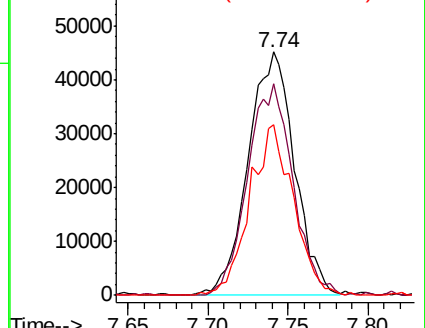
62 70.2 58.8 88.2



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: 0.291 ppbv

RT: 7.98 min Scan# 1569

Delta R.T. 0.02 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Tgt Ion: 88 Resp: 10168

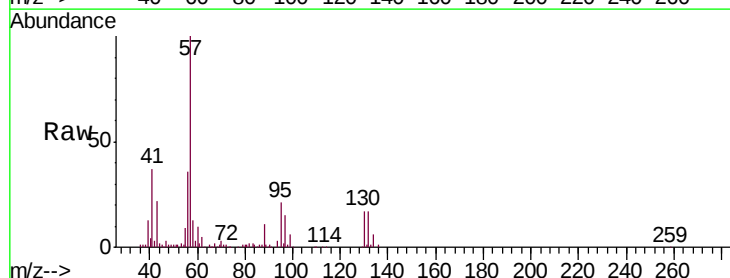
Ion Ratio Lower Upper

88 100

58 0.0 107.4 161.2#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

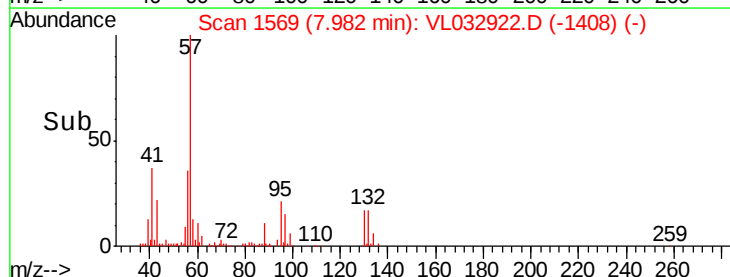
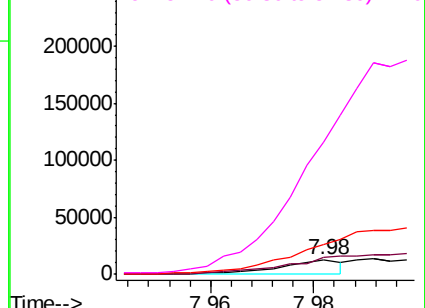


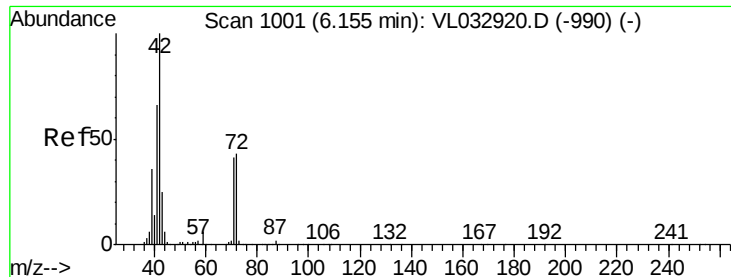
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 0.420 ppbv

RT: 6.17 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

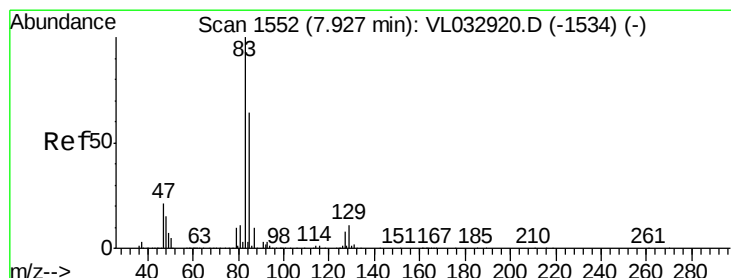
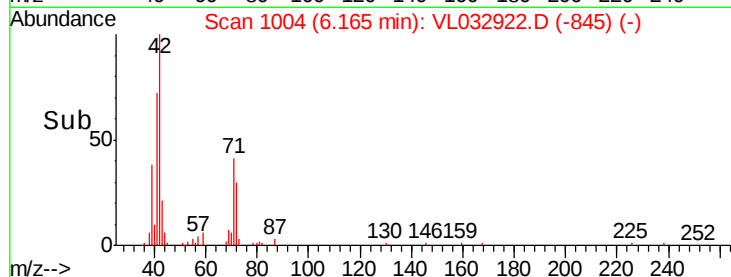
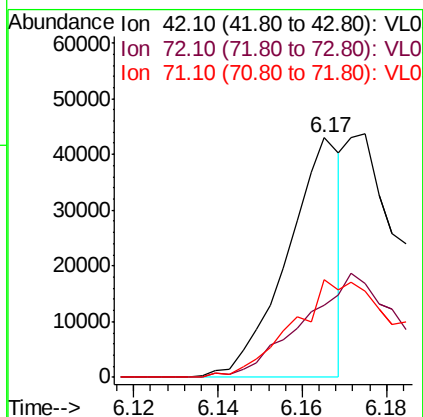
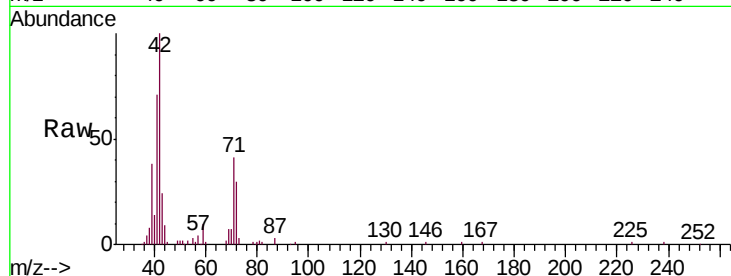
Tgt Ion: 42 Resp: 38051

Ion Ratio Lower Upper

42 100

72 0.0 32.9 49.3#

71 85.0 32.0 48.0#



#42

Bromodichloromethane

Concen: 1.002 ppbv

RT: 7.92 min Scan# 1550

Delta R.T. -0.01 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

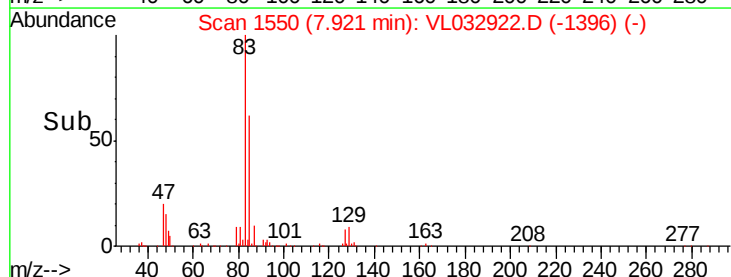
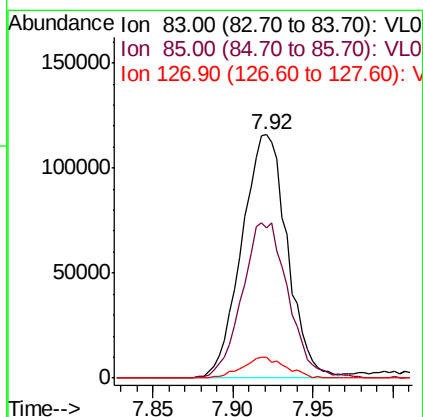
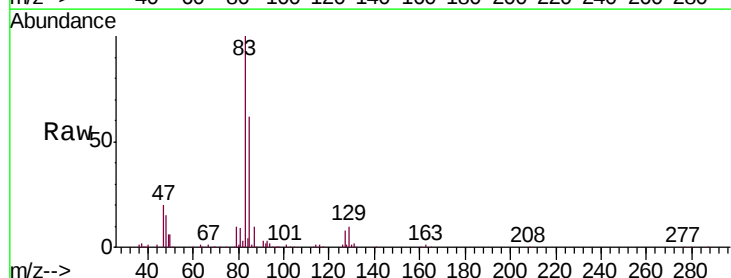
Tgt Ion: 83 Resp: 225697

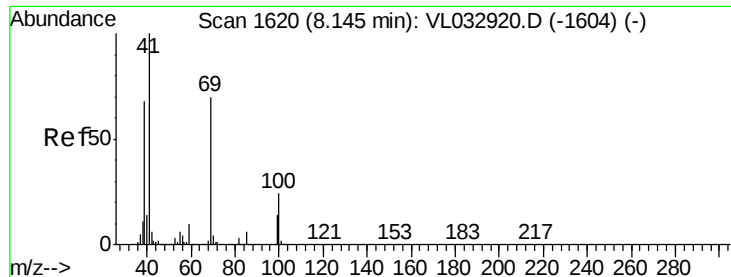
Ion Ratio Lower Upper

83 100

85 61.9 50.9 76.3

127 8.4 6.7 10.1

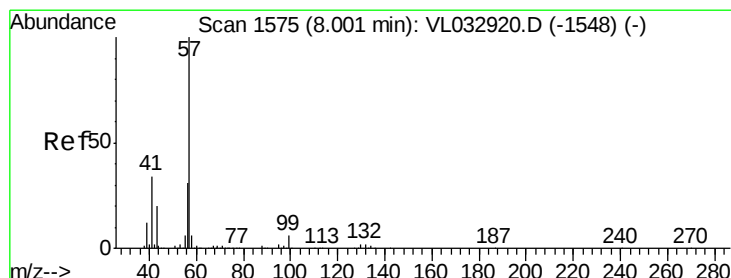
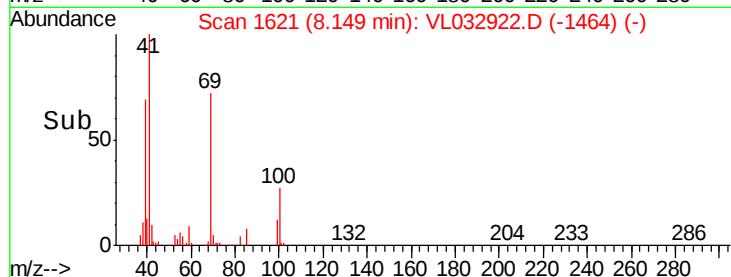
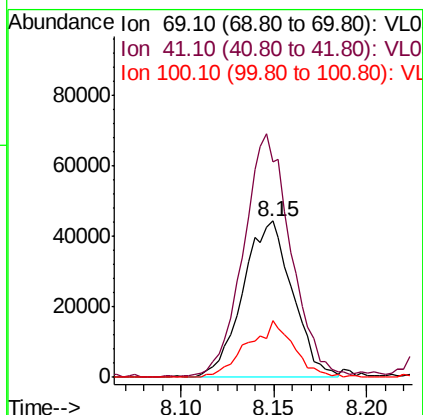
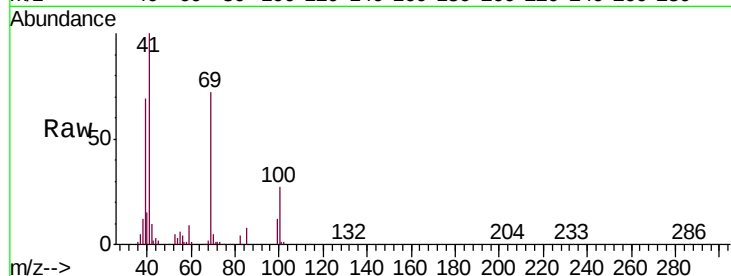




#43
Methyl Methacrylate
Concen: 0.875 ppbv
RT: 8.15 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL032922.D
Acq: 7 Dec 2018 4:57

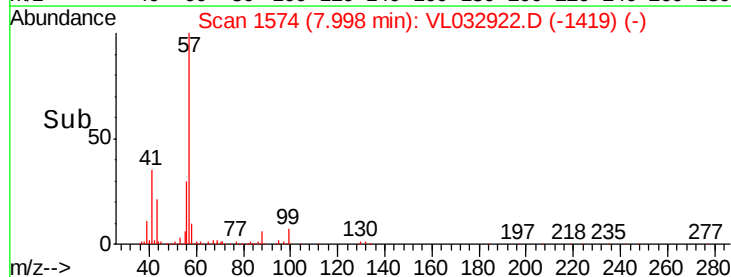
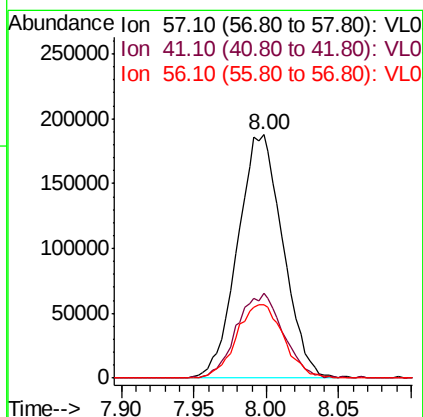
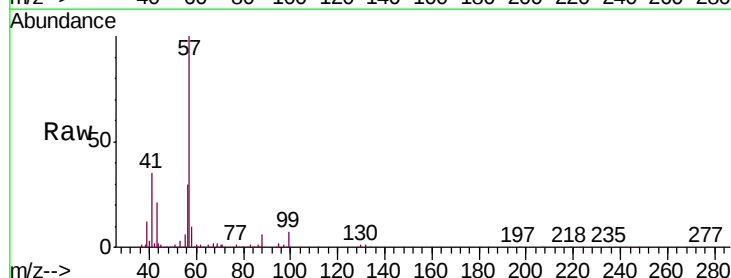
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

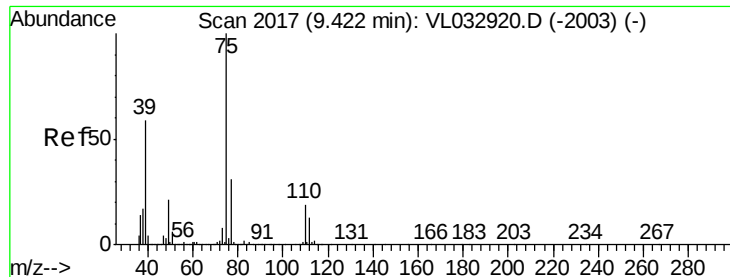
Tgt Ion: 69 Resp: 81484
Ion Ratio Lower Upper
69 100
41 153.2 116.6 175.0
100 34.5 26.5 39.7



#44
2,2,4-Trimethylpentane
Concen: 0.982 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL032922.D
Acq: 7 Dec 2018 4:57

Tgt Ion: 57 Resp: 403643
Ion Ratio Lower Upper
57 100
41 36.5 27.0 40.4
56 31.8 24.6 37.0





#45

t-1,3-Dichloropropene

Concen: 0.707 ppbv

RT: 9.42 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Instrument :

MSVOA_L

ClientSampleId :

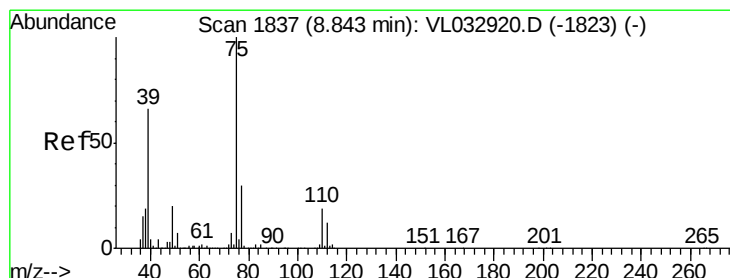
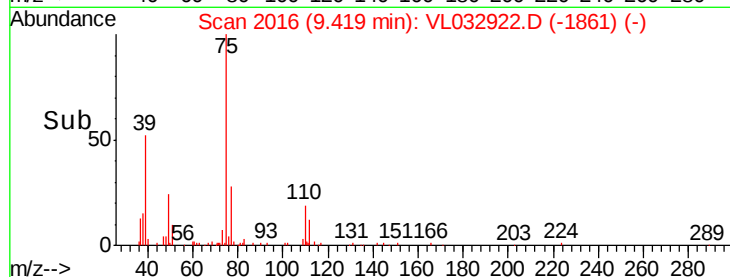
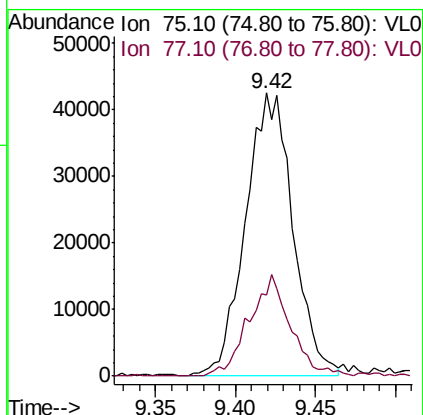
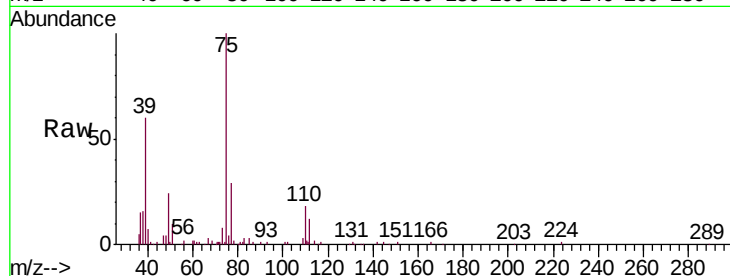
VSTDIC001

Tgt Ion: 75 Resp: 86514

Ion Ratio Lower Upper

75 100

77 28.6 24.8 37.2



#46

cis-1,3-Dichloropropene

Concen: 0.785 ppbv

RT: 8.84 min Scan# 1836

Delta R.T. -0.00 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

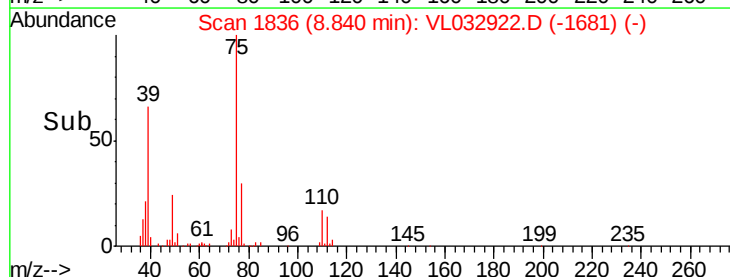
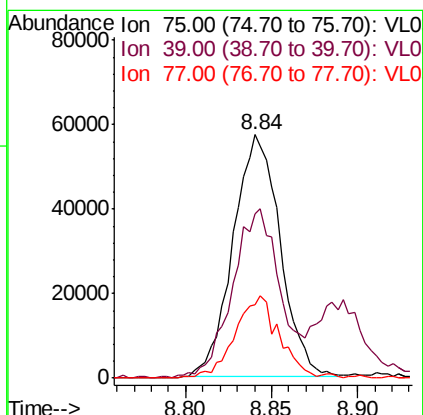
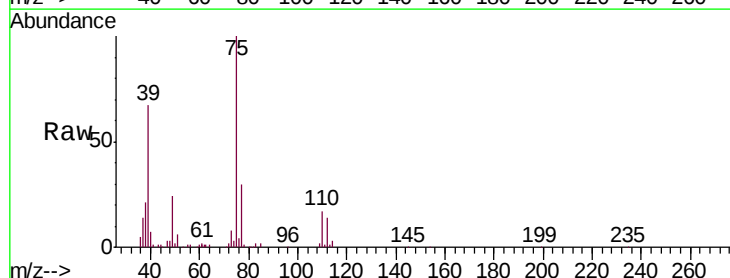
Tgt Ion: 75 Resp: 108936

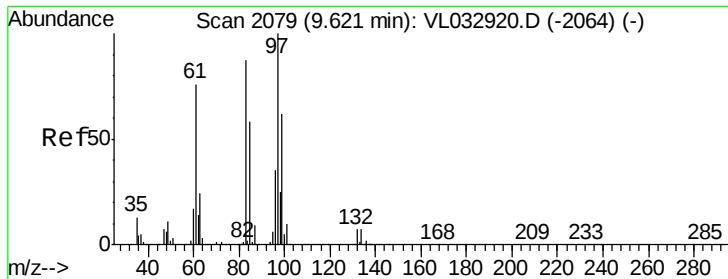
Ion Ratio Lower Upper

75 100

39 65.8 52.8 79.2

77 29.5 24.3 36.5

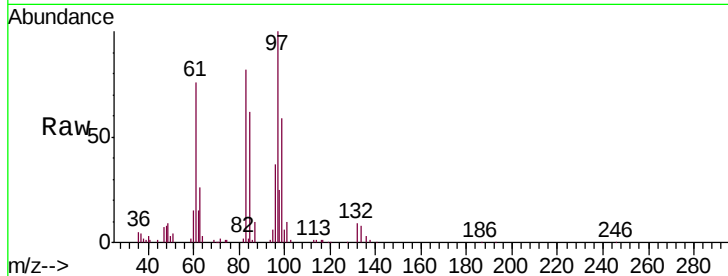




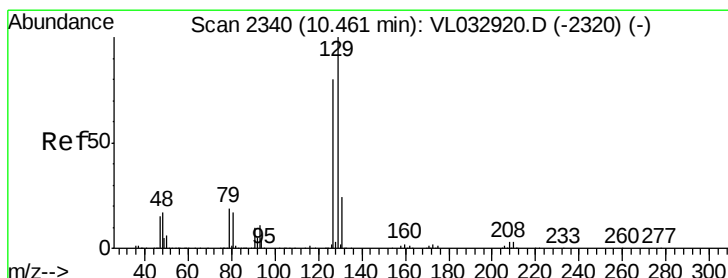
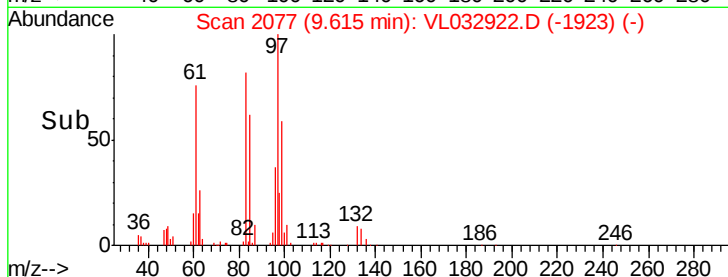
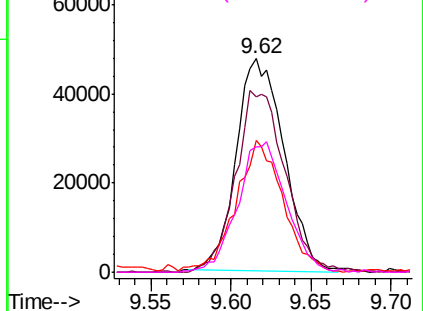
#47
 1,1,2-Trichloroethane
 Concen: 0.893 ppbv
 RT: 9.62 min Scan# 2077
 Delta R.T. -0.01 min
 Lab File: VL032922.D
 Acq: 7 Dec 2018 4:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:	97	Resp:	97465
Ion	Ratio	Lower	Upper
97	100		
83	82.7	69.8	104.8
85	61.7	46.7	70.1
99	59.1	49.2	73.8

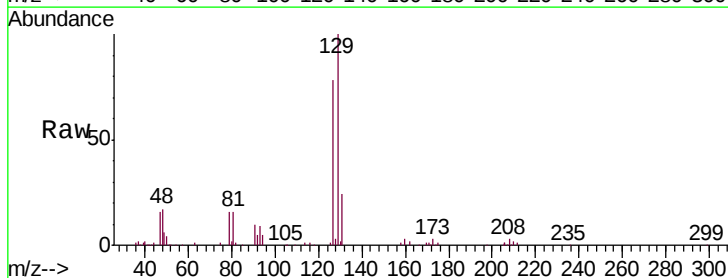


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

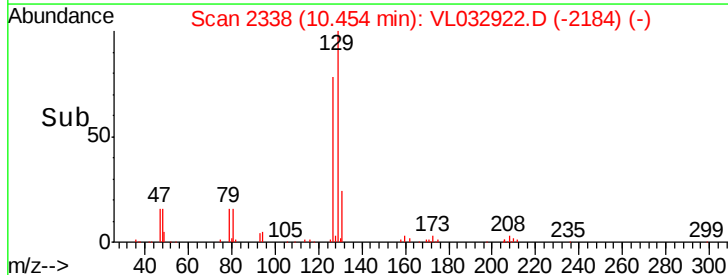
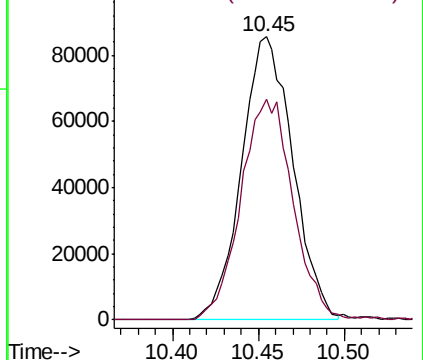


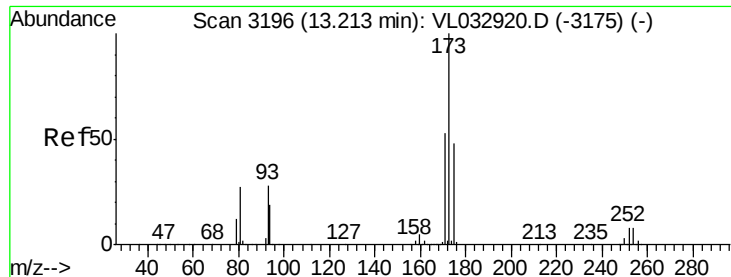
#48
 Dibromochloromethane
 Concen: 0.879 ppbv
 RT: 10.45 min Scan# 2338
 Delta R.T. -0.01 min
 Lab File: VL032922.D
 Acq: 7 Dec 2018 4:57

Tgt Ion:	129	Resp:	177199
Ion	Ratio	Lower	Upper
129	100		
127	79.7	39.3	117.8



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





#49

Bromoform

Concen: 0.847 ppbv

RT: 13.20 min Scan# 3193

Delta R.T. -0.01 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

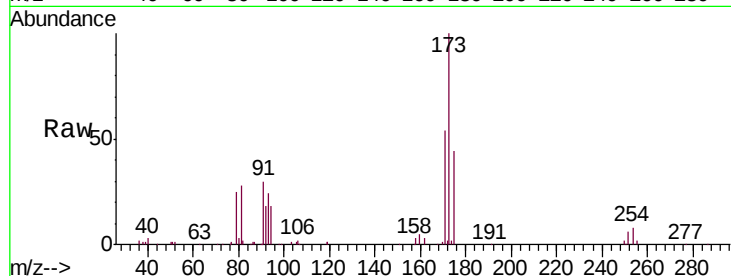
Tgt Ion: 173 Resp: 143385

Ion Ratio Lower Upper

173 100

175 49.1 39.0 58.4

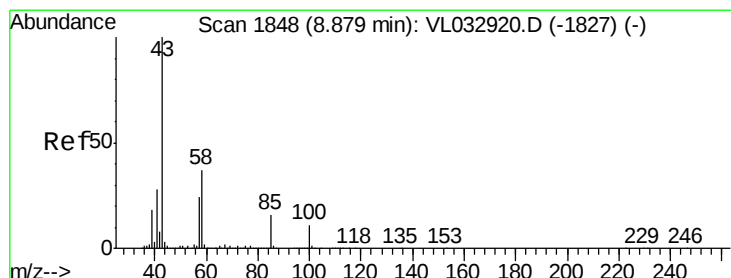
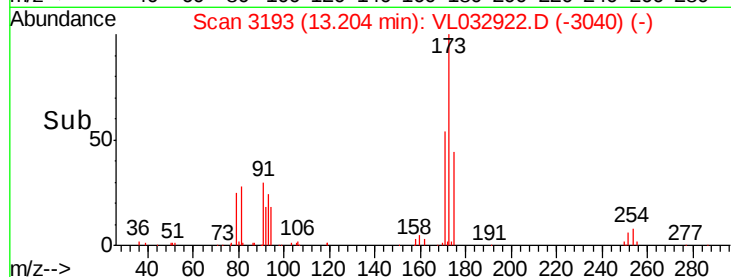
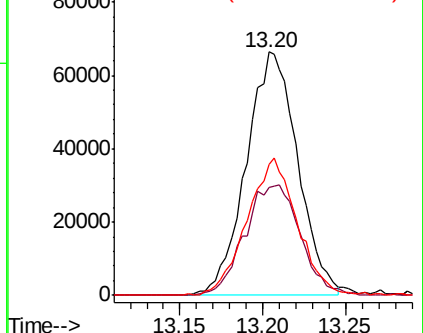
171 55.4 41.5 62.3



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: 0.884 ppbv

RT: 8.89 min Scan# 1851

Delta R.T. 0.01 min

Lab File: VL032922.D

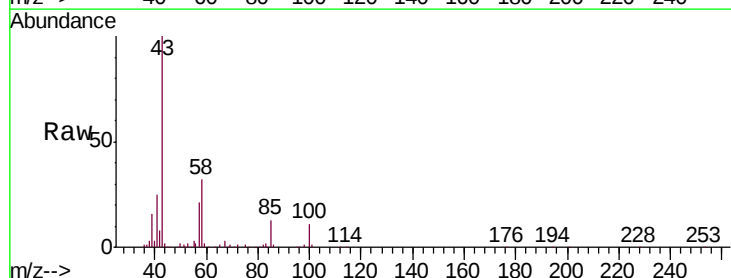
Acq: 7 Dec 2018 4:57

Tgt Ion: 43 Resp: 205905

Ion Ratio Lower Upper

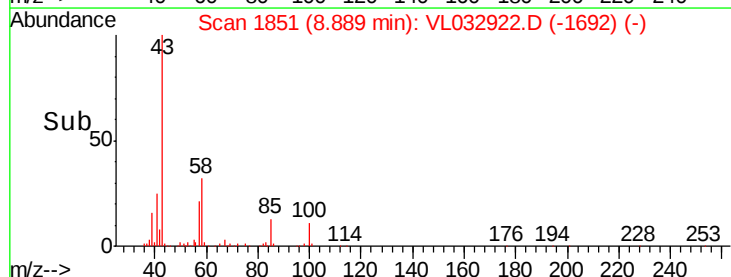
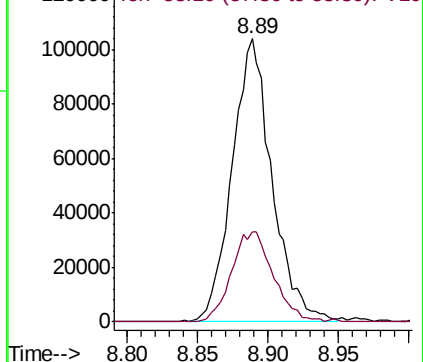
43 100

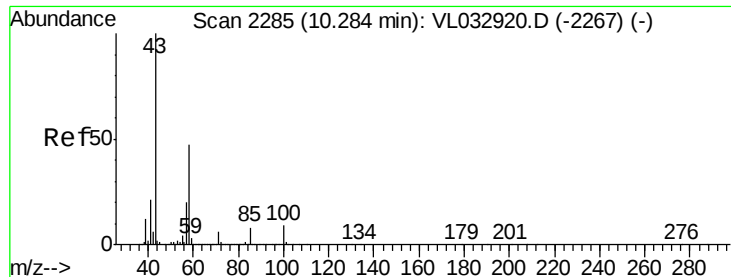
58 33.5 29.0 43.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.808 ppbv

RT: 10.29 min Scan# 2288

Delta R.T. 0.01 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

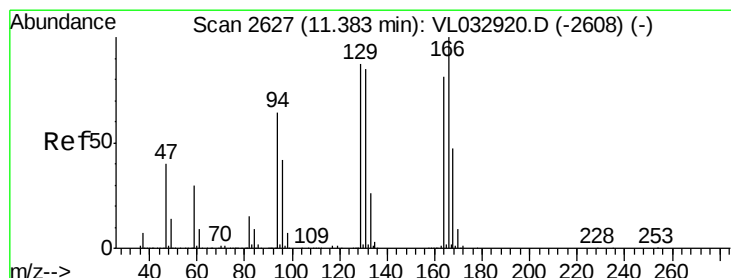
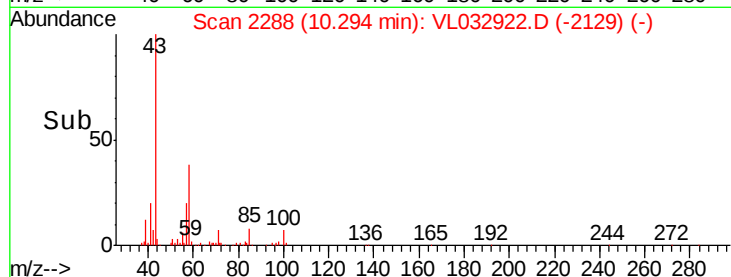
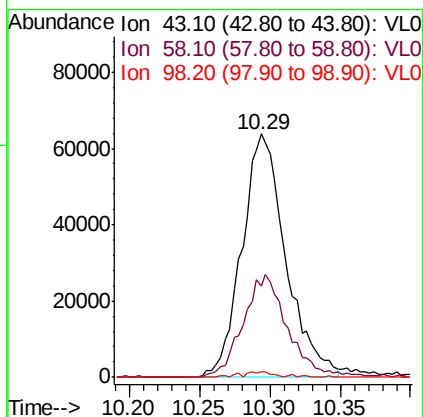
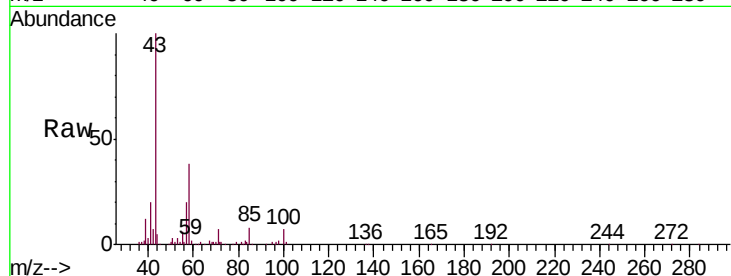
Tgt Ion: 43 Resp: 139140

Ion Ratio Lower Upper

43 100

58 43.2 38.1 57.1

98 1.8 0.4 0.6#



#52

Tetrachloroethene

Concen: 0.882 ppbv

RT: 11.38 min Scan# 2625

Delta R.T. -0.01 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Tgt Ion: 164 Resp: 83152

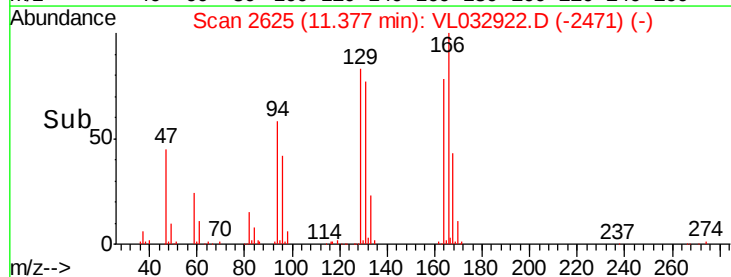
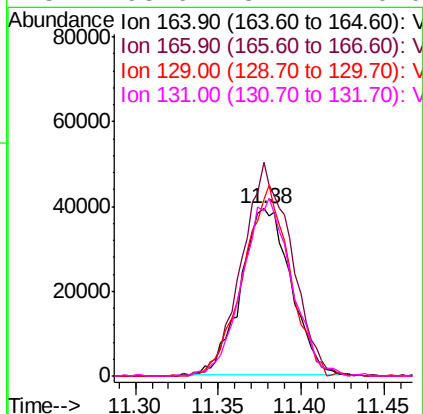
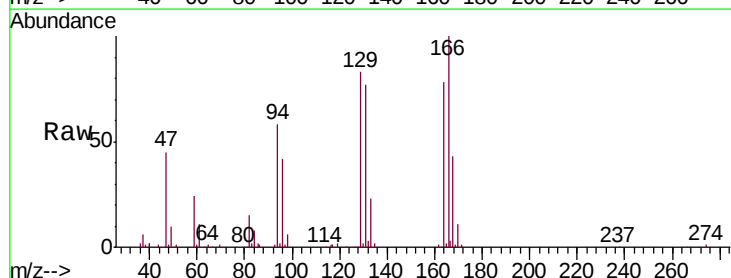
Ion Ratio Lower Upper

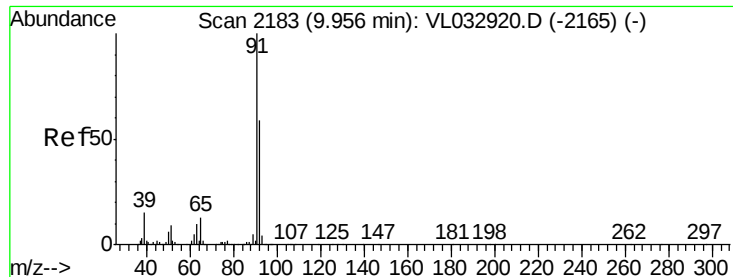
164 100

166 128.1 98.8 148.2

129 106.0 85.5 128.3

131 98.6 84.4 126.6





#53

Toluene

Concen: 0.824 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.00 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Instrument :

MSVOA_L

ClientSampleId :

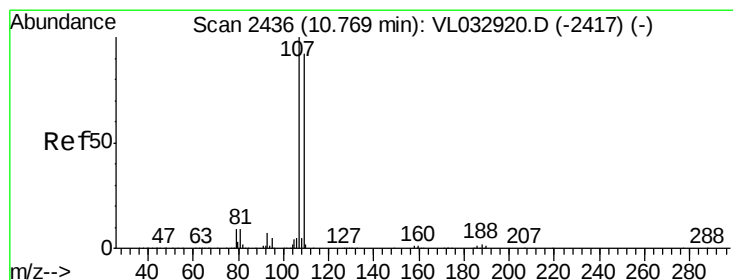
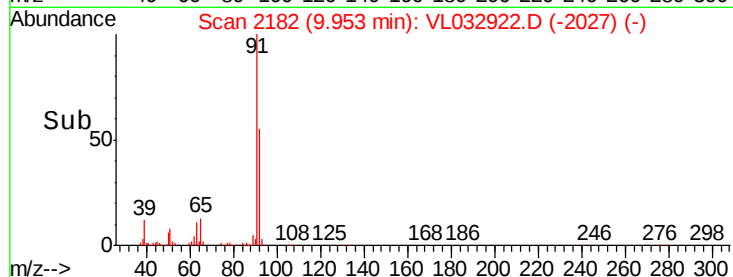
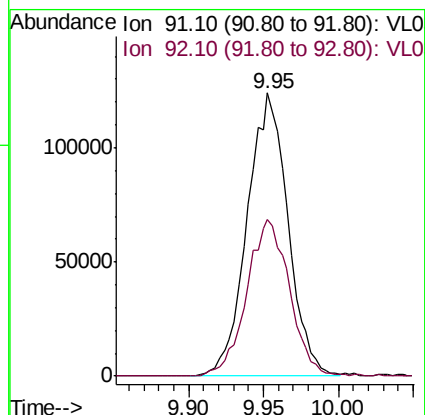
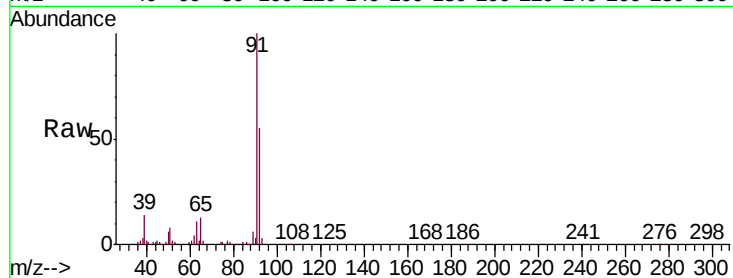
VSTDIC001

Tgt Ion: 91 Resp: 235142

Ion Ratio Lower Upper

91 100

92 58.2 47.4 71.0



#54

1,2-Dibromoethane

Concen: 0.866 ppbv

RT: 10.77 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VL032922.D

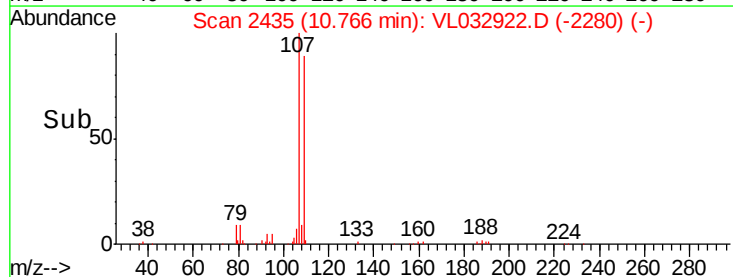
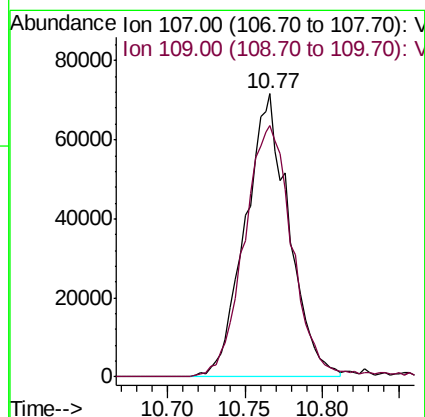
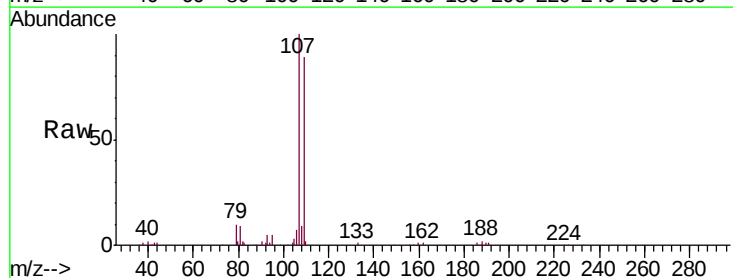
Acq: 7 Dec 2018 4:57

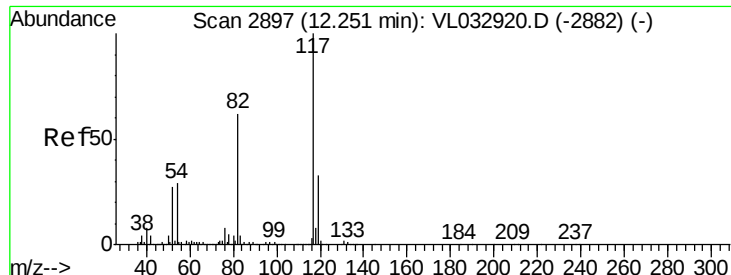
Tgt Ion: 107 Resp: 141011

Ion Ratio Lower Upper

107 100

109 88.7 73.4 110.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2895

Delta R.T. -0.01 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

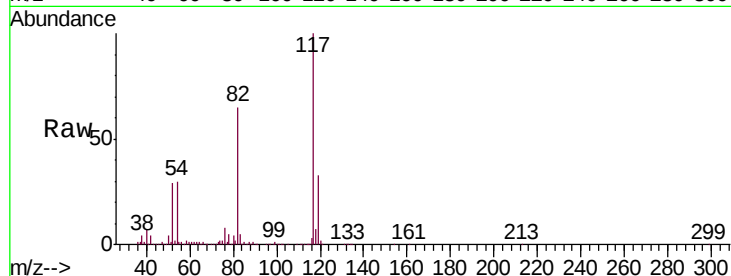
Tgt Ion:117 Resp: 3007611

Ion Ratio Lower Upper

117 100

82 62.3 47.8 71.8

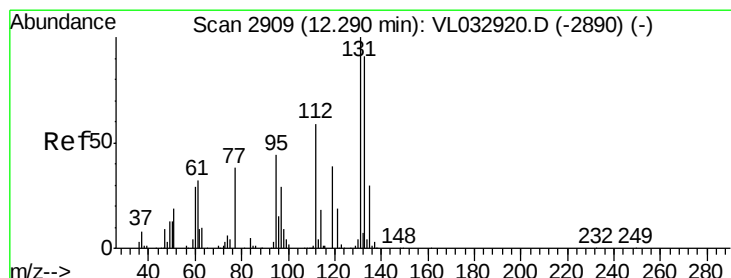
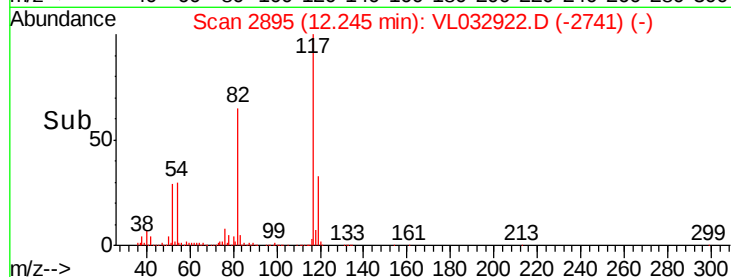
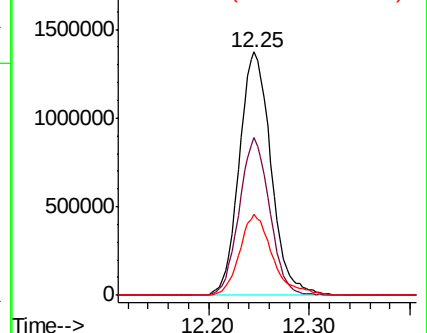
119 34.5 43.1 64.7#



Abundance Ion 117.10 (116.80 to 117.80): V

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: 1.054 ppbv

RT: 12.29 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

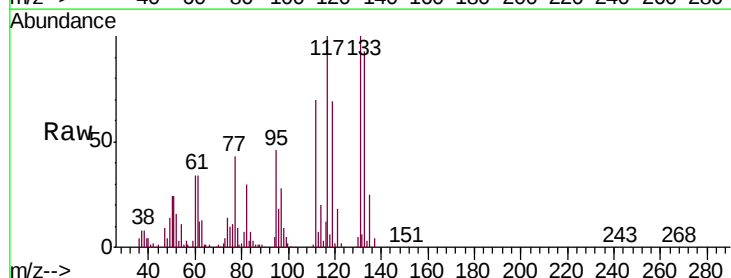
Tgt Ion:131 Resp: 143194

Ion Ratio Lower Upper

131 100

133 96.3 75.1 112.7

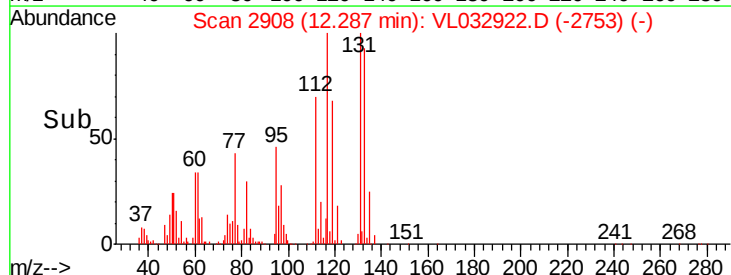
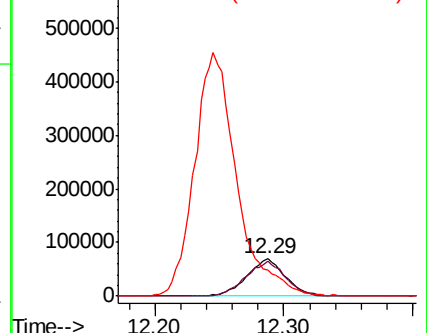
119 723.7 47.5 71.3#

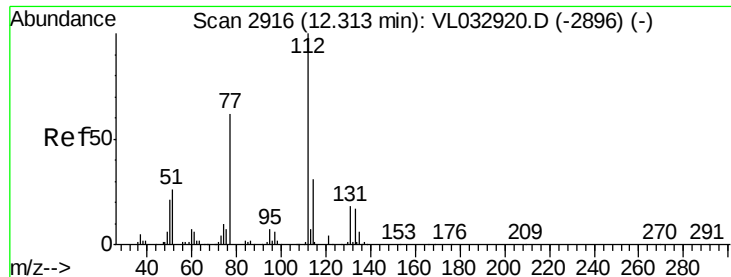


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 1.071 ppbv

RT: 12.31 min Scan# 2915

Delta R.T. -0.00 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

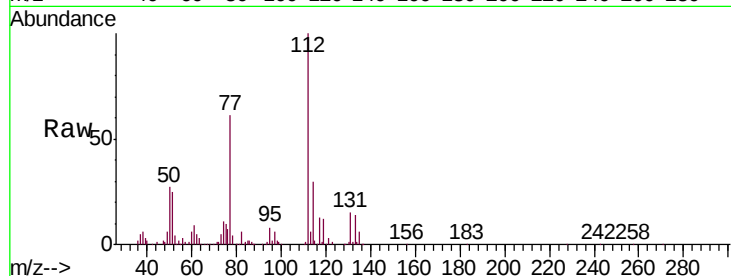
Tgt Ion: 112 Resp: 240559

Ion Ratio Lower Upper

112 100

77 60.6 51.1 76.7

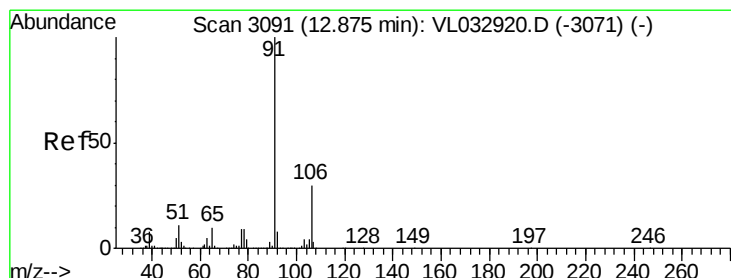
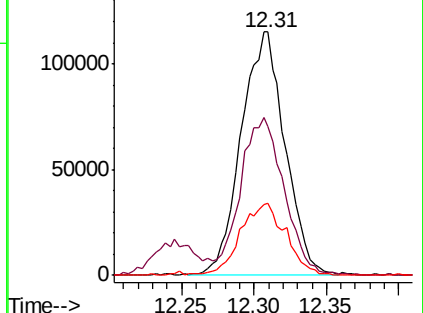
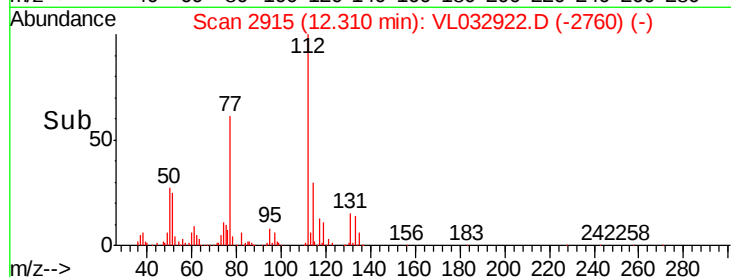
114 31.9 28.4 34.7



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: 0.919 ppbv

RT: 12.87 min Scan# 3089

Delta R.T. -0.01 min

Lab File: VL032922.D

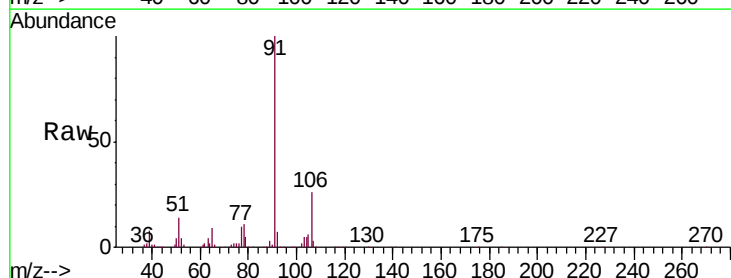
Acq: 7 Dec 2018 4:57

Tgt Ion: 91 Resp: 315067

Ion Ratio Lower Upper

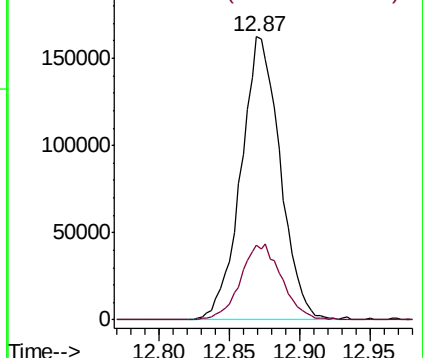
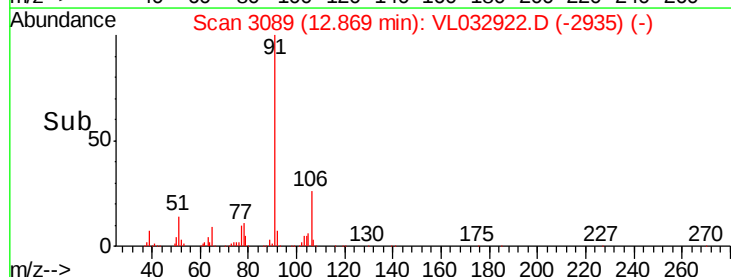
91 100

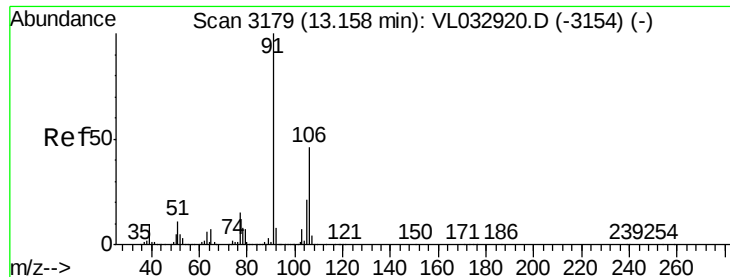
106 26.5 23.9 35.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

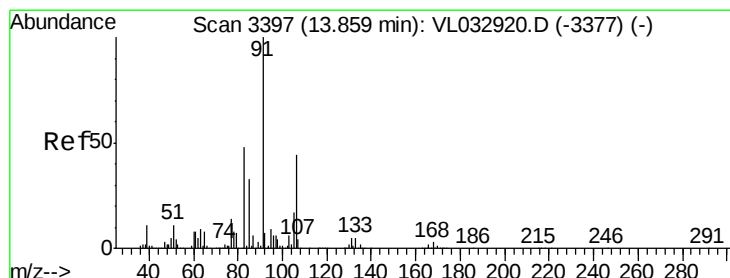
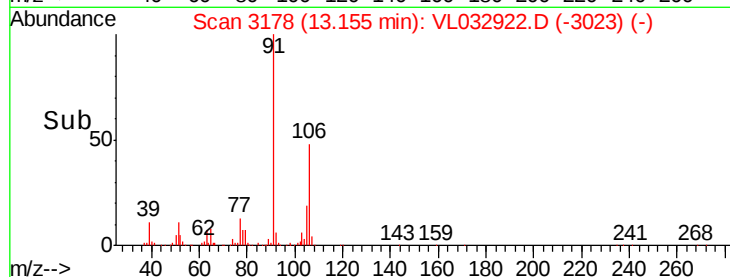
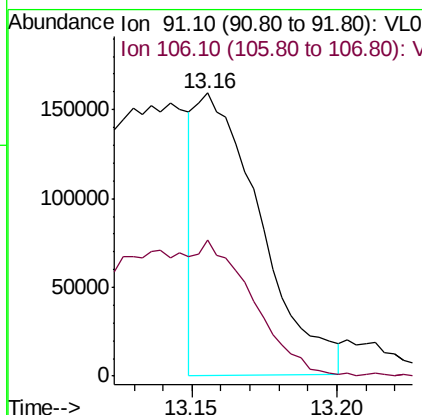
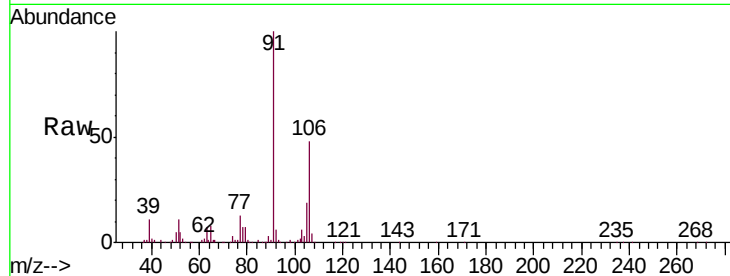




#59
m/p-Xylene
Concen: 0.798 ppbv
RT: 13.16 min Scan# 3178
Delta R.T. -0.00 min
Lab File: VL032922.D
Acq: 7 Dec 2018 4:57

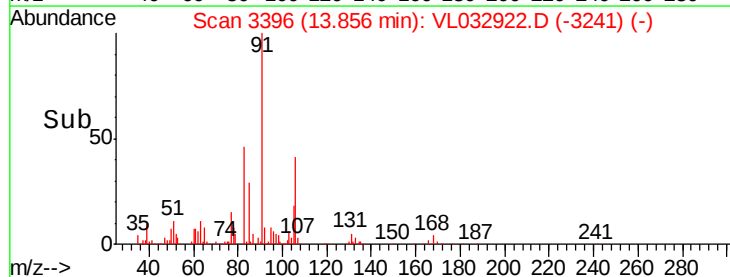
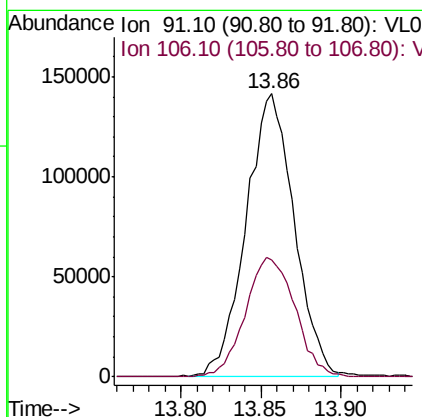
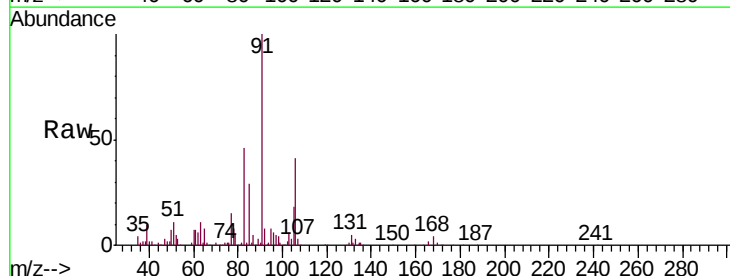
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

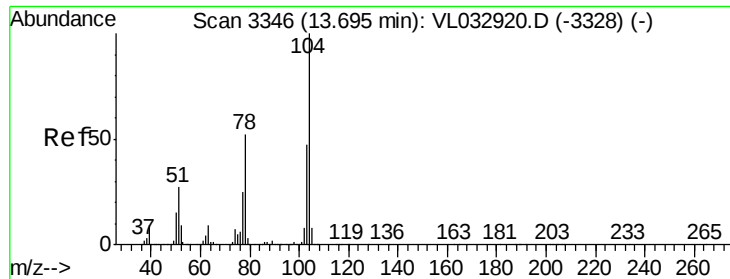
Tgt Ion: 91 Resp: 246861
Ion Ratio Lower Upper
91 100
106 107.0 0.0 0.0#



#60
o-Xylene
Concen: 0.959 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL032922.D
Acq: 7 Dec 2018 4:57

Tgt Ion: 91 Resp: 289766
Ion Ratio Lower Upper
91 100
106 44.1 21.9 65.8





#61

Styrene

Concen: 0.509 ppbv

RT: 13.69 min Scan# 3344

Delta R.T. -0.01 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

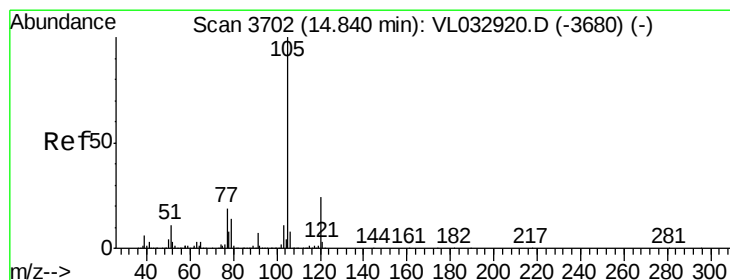
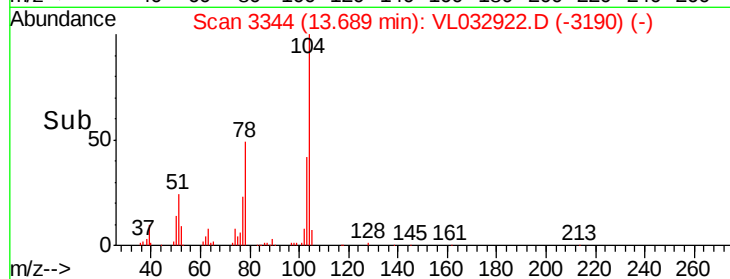
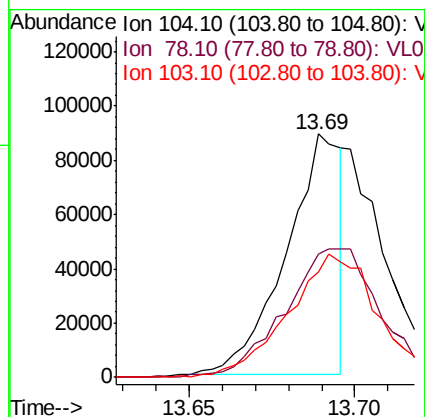
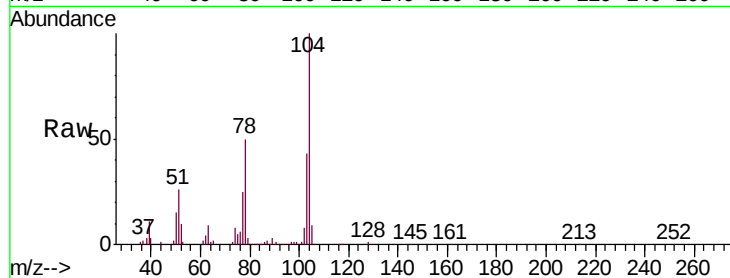
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:104 Resp: 102737
 Ion Ratio Lower Upper
 104 100
 78 94.6 42.0 63.0#
 103 83.5 38.3 57.5#



#62

Isopropylbenzene

Concen: 0.980 ppbv

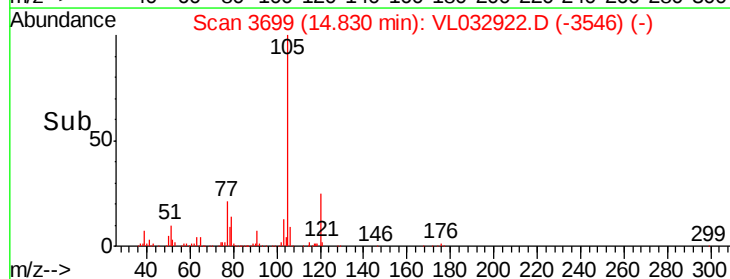
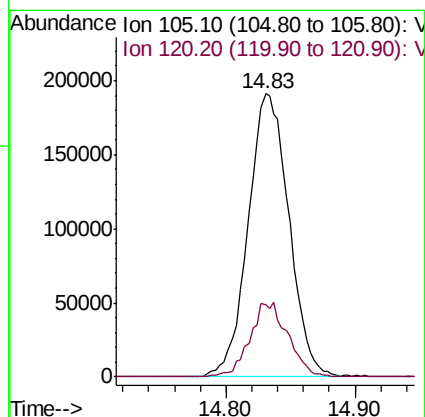
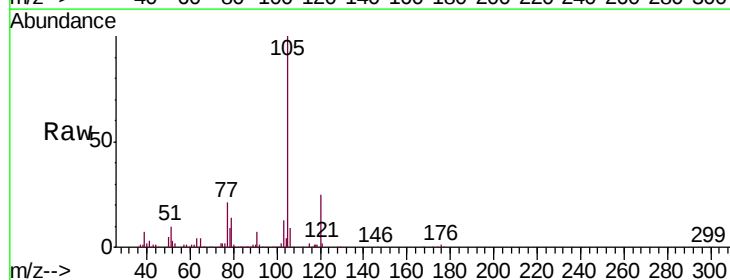
RT: 14.83 min Scan# 3699

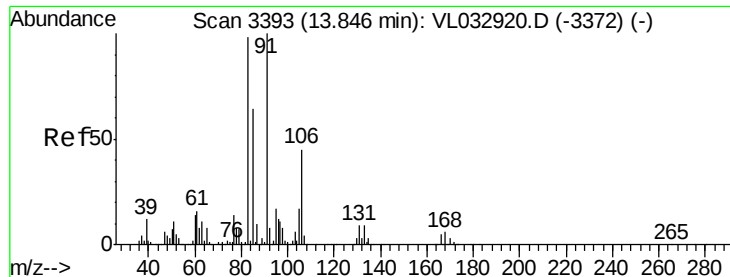
Delta R.T. -0.01 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Tgt Ion:105 Resp: 420332
 Ion Ratio Lower Upper
 105 100
 120 24.6 20.3 30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 0.960 ppbv

RT: 13.84 min Scan# 3391

Delta R.T. -0.01 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

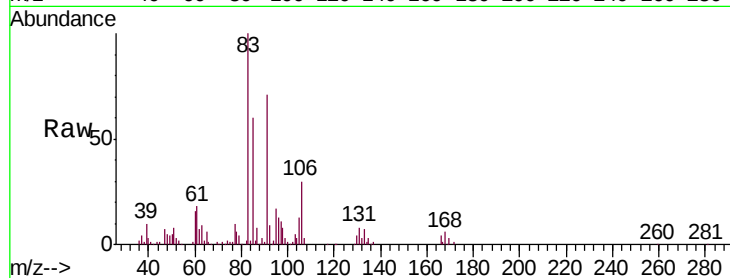
Tgt Ion: 83 Resp: 218785

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.6

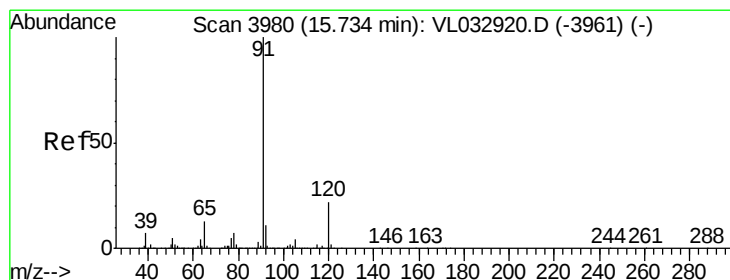
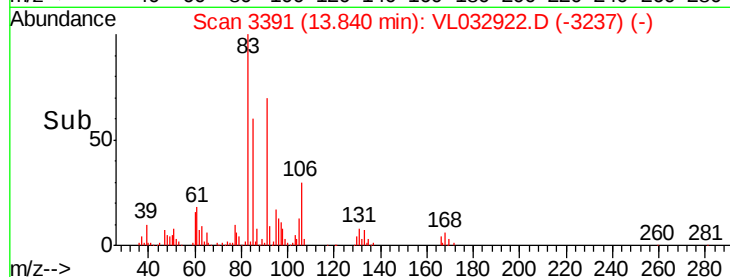
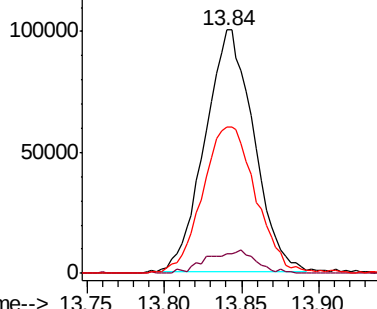
85 67.3 32.9 98.6



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: 1.009 ppbv

RT: 15.73 min Scan# 3979

Delta R.T. -0.00 min

Lab File: VL032922.D

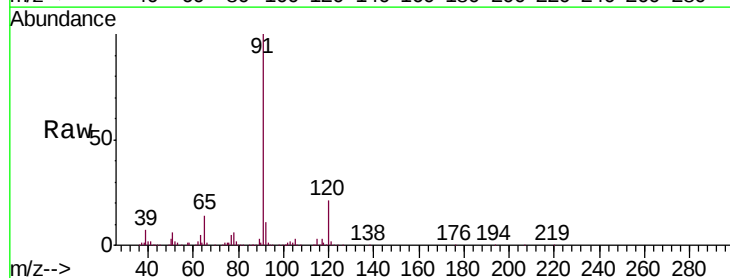
Acq: 7 Dec 2018 4:57

Tgt Ion: 120 Resp: 109136

Ion Ratio Lower Upper

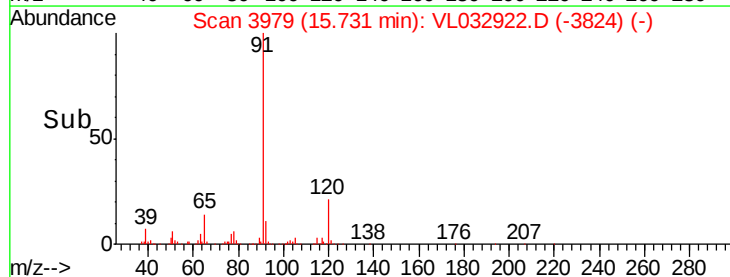
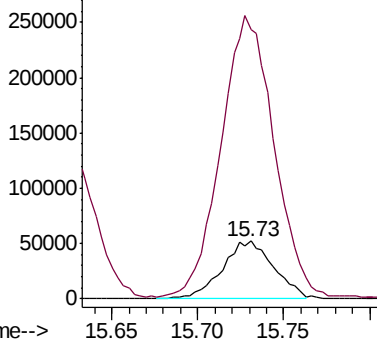
120 100

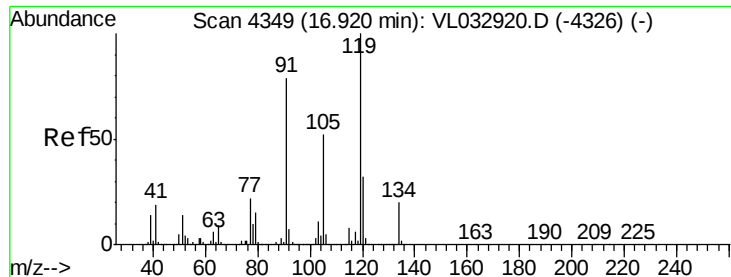
91 507.8 380.4 570.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

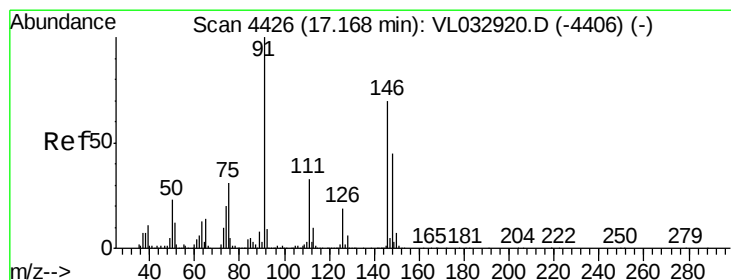
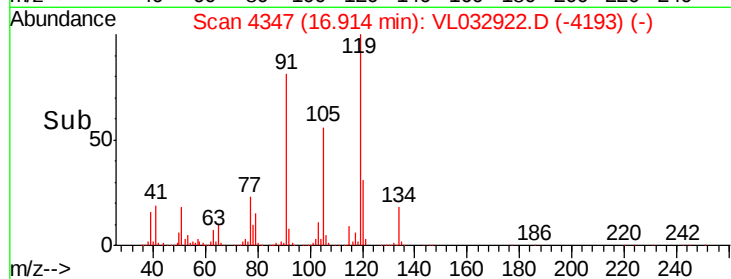
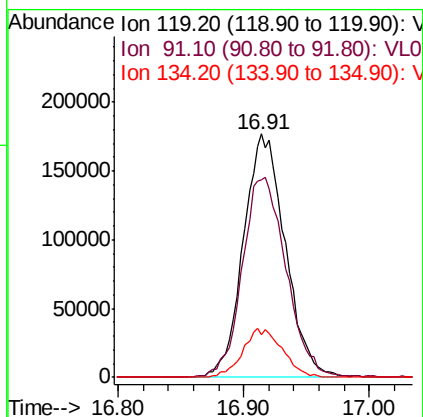
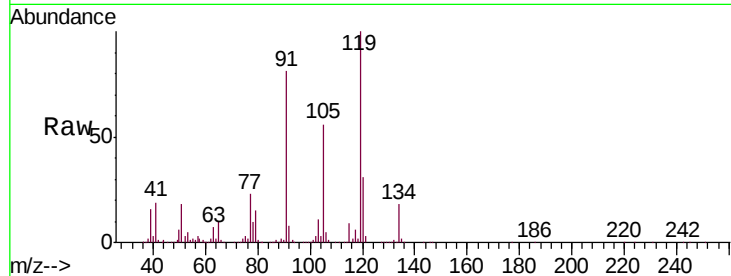




#65
tert-Butylbenzene
Concen: 1.112 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. -0.01 min
Lab File: VL032922.D
Acq: 7 Dec 2018 4:57

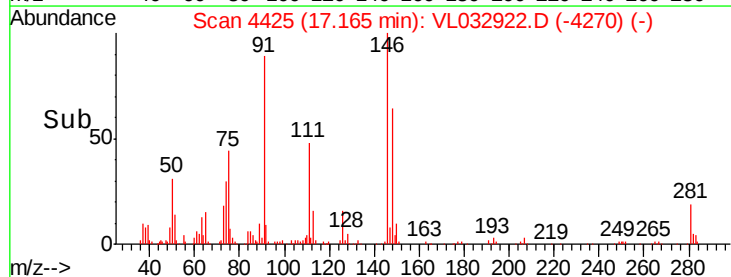
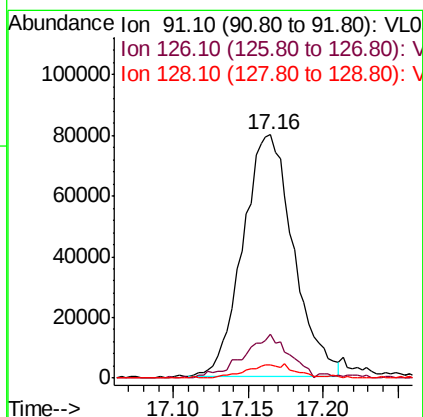
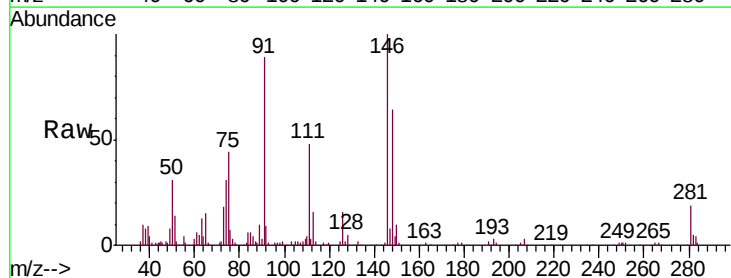
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

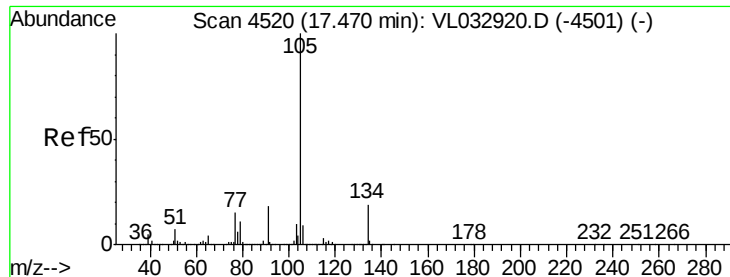
Tgt Ion: 119 Resp: 409178
Ion Ratio Lower Upper
119 100
91 86.9 64.5 96.7
134 19.2 15.7 23.5



#66
Benzyl Chloride
Concen: 0.966 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.00 min
Lab File: VL032922.D
Acq: 7 Dec 2018 4:57

Tgt Ion: 91 Resp: 188492
Ion Ratio Lower Upper
91 100
126 17.4 14.1 21.1
128 5.8 4.5 6.7





#67

sec-Butylbenzene

Concen: 1.105 ppbv

RT: 17.47 min Scan# 4519

Delta R.T. -0.00 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Instrument :

MSVOA_L

ClientSampleId :

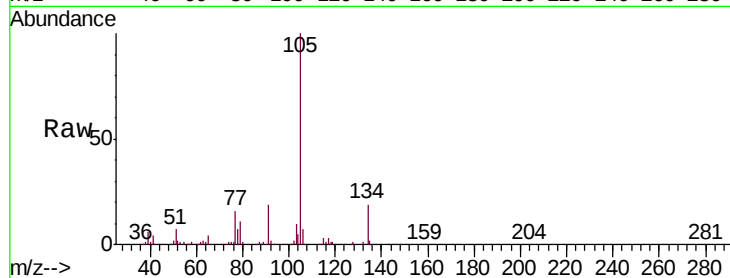
VSTDIC001

Tgt Ion: 105 Resp: 576731

Ion Ratio Lower Upper

105 100

134 17.5 14.6 21.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.47

250000

200000

150000

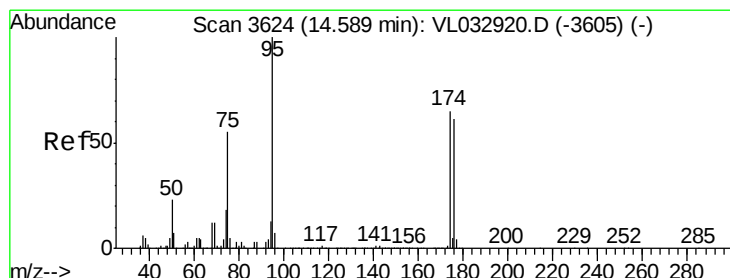
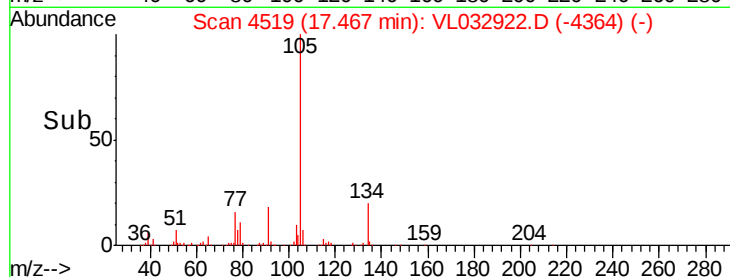
100000

50000

0

Time-->

17.40 17.50



#68

1-Bromo-4-Fluorobenzene

Concen: 10.259 ppbv

RT: 14.59 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

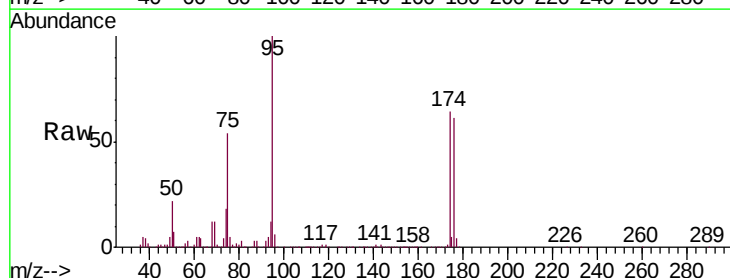
Tgt Ion: 95 Resp: 2253277

Ion Ratio Lower Upper

95 100

174 64.8 51.4 77.0

175 4.9 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

14.59

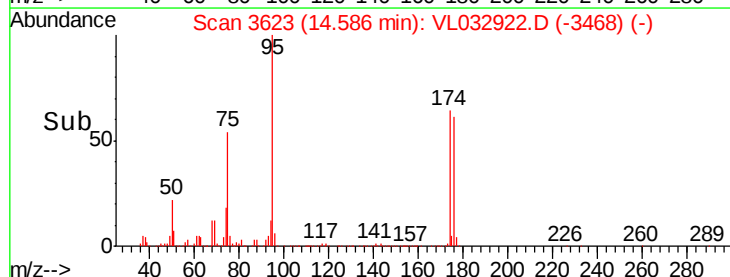
1000000

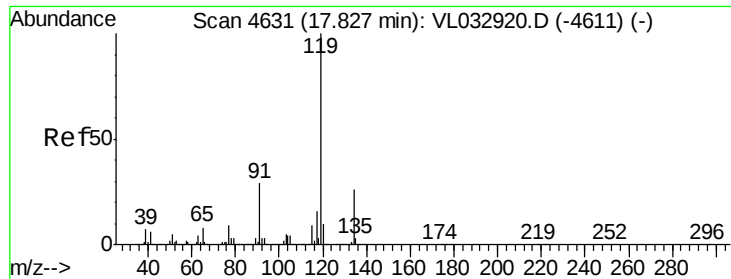
500000

0

Time-->

14.50 14.60

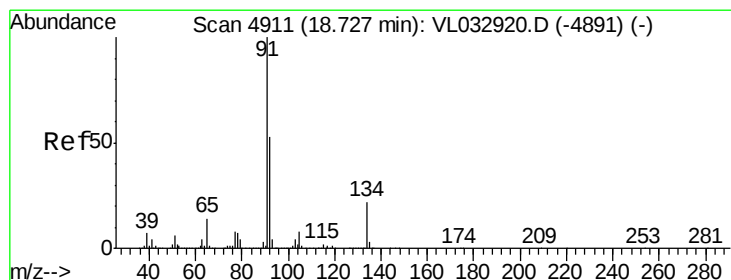
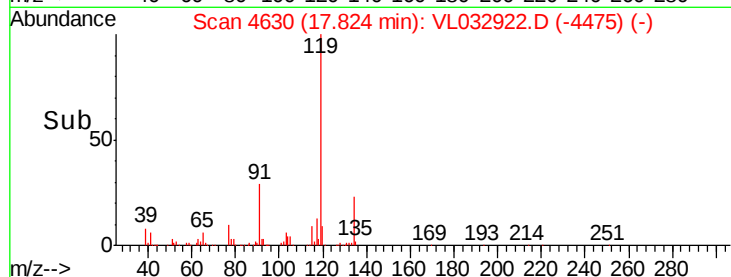
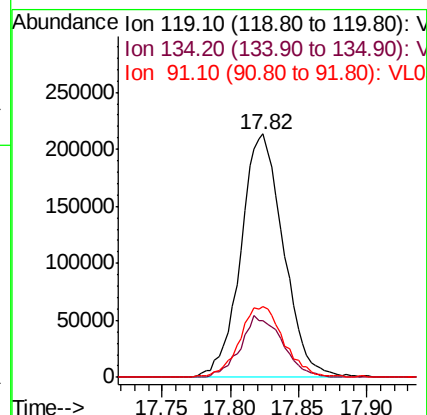
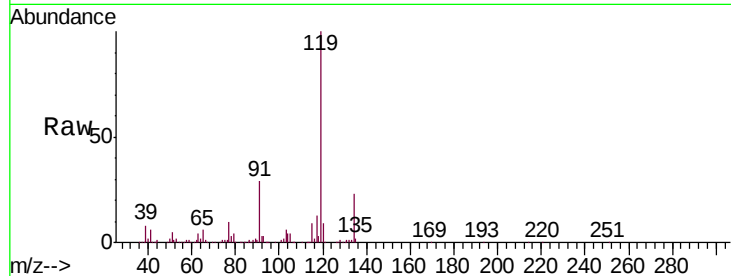




#69
p-Isopropyltoluene
Concen: 1.113 ppbv
RT: 17.82 min Scan# 4630
Delta R.T. -0.00 min
Lab File: VL032922.D
Acq: 7 Dec 2018 4:57

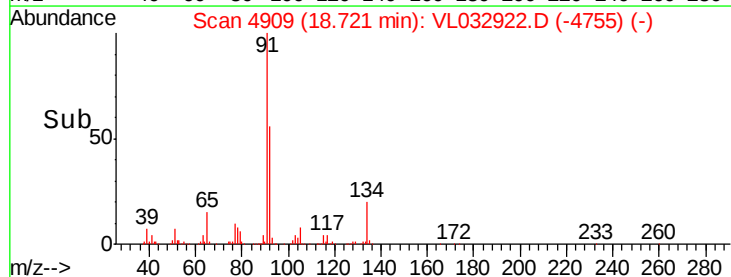
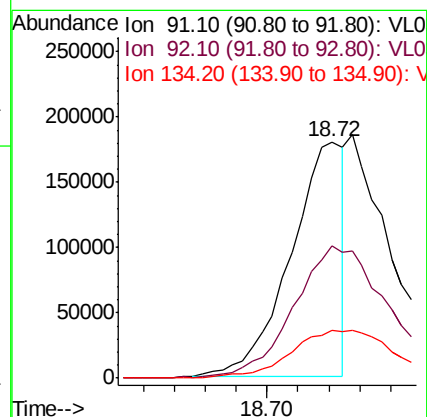
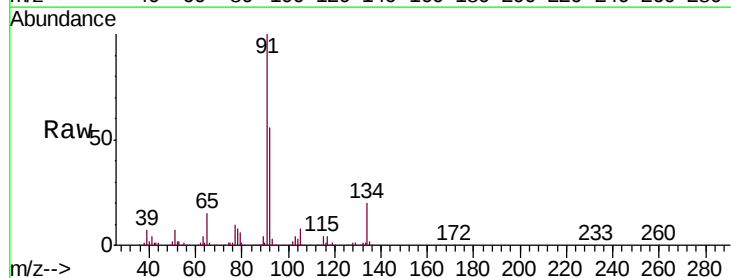
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

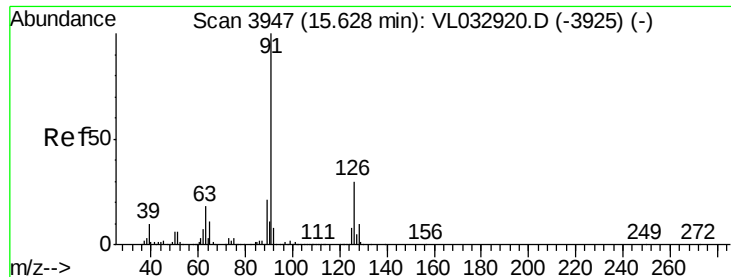
Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.2	30.2
91	30.7	22.9	34.3



#70
n-Butylbenzene
Concen: 0.528 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. -0.01 min
Lab File: VL032922.D
Acq: 7 Dec 2018 4:57

Tgt Ion	Ratio	Lower	Upper
91	100		
92	100.2	42.7	64.1#
134	39.8	18.0	27.0#

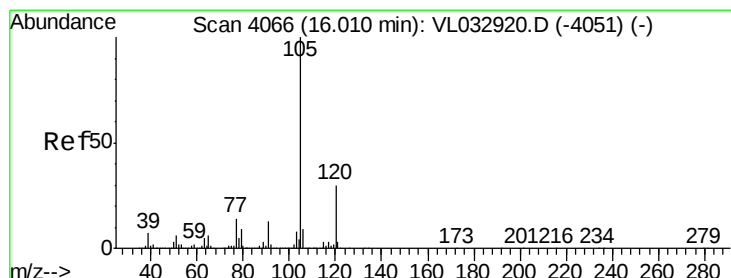
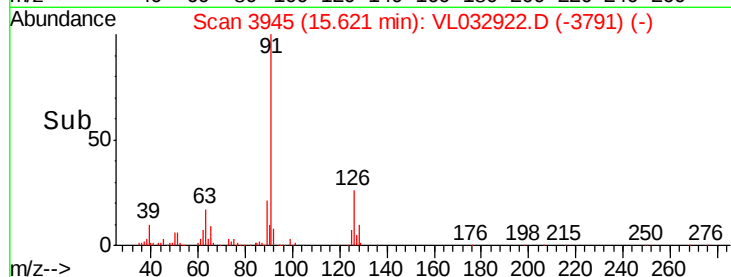
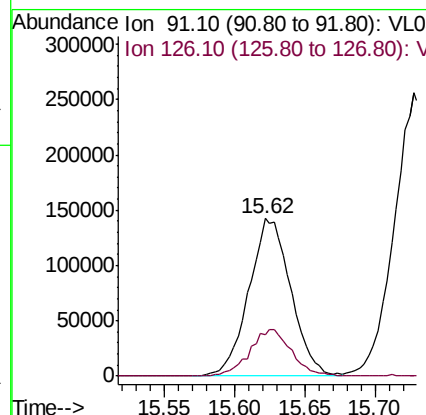
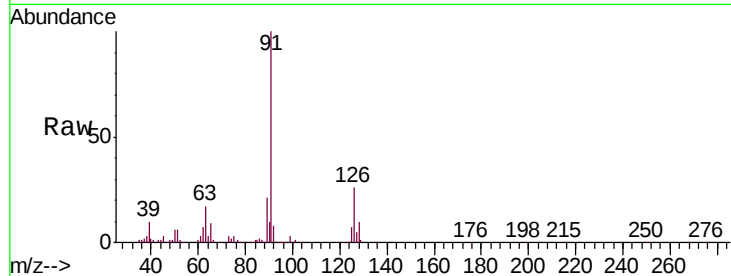




#71
 2-Chlorotoluene
 Concen: 0.959 ppbv
 RT: 15.62 min Scan# 3945
 Delta R.T. -0.01 min
 Lab File: VL032922.D
 Acq: 7 Dec 2018 4:57

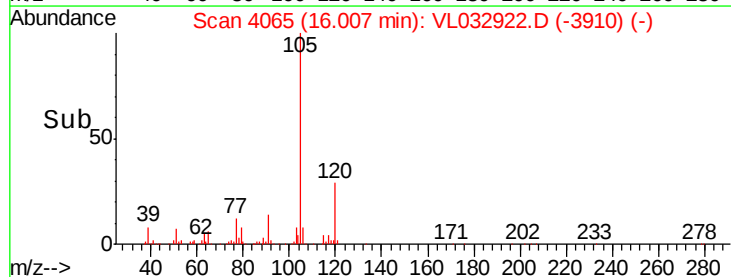
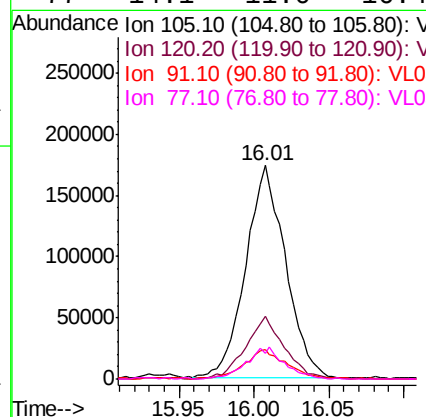
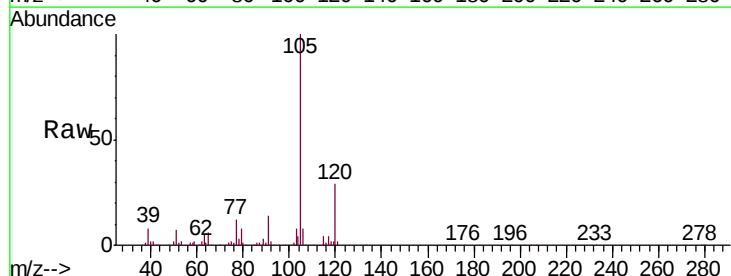
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

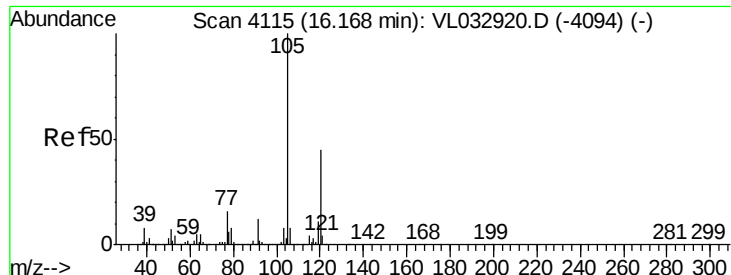
Tgt Ion: 91 Resp: 297275
 Ion Ratio Lower Upper
 91 100
 126 30.0 12.3 49.3



#72
 4-Ethyltoluene
 Concen: 1.010 ppbv
 RT: 16.01 min Scan# 4065
 Delta R.T. -0.00 min
 Lab File: VL032922.D
 Acq: 7 Dec 2018 4:57

Tgt Ion: 105 Resp: 322234
 Ion Ratio Lower Upper
 105 100
 120 28.4 23.0 34.4
 91 15.1 10.4 15.6
 77 14.1 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 1.014 ppbv

RT: 16.16 min Scan# 4114

Delta R.T. -0.00 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Instrument :

MSVOA_L

ClientSampleId :

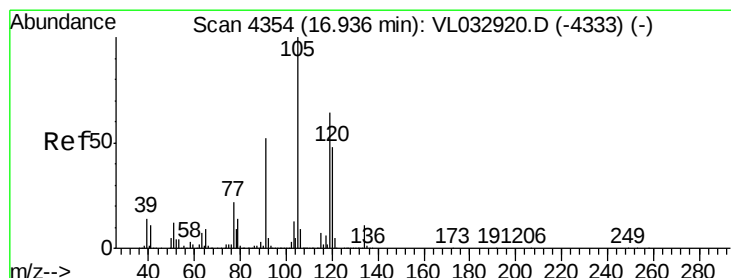
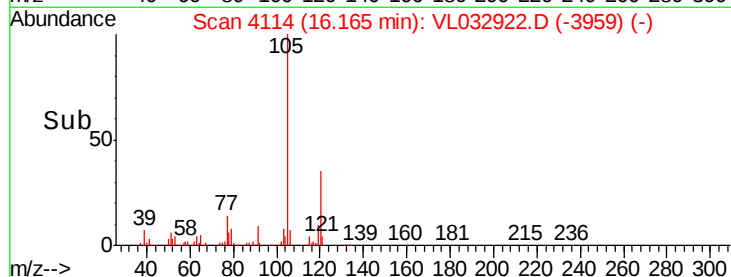
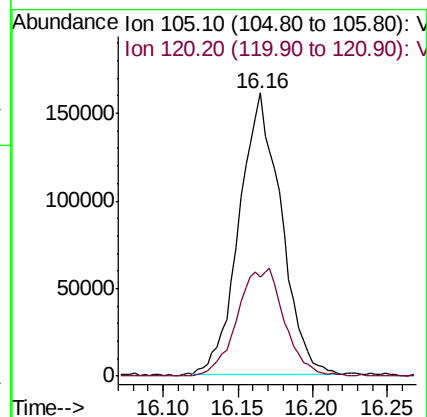
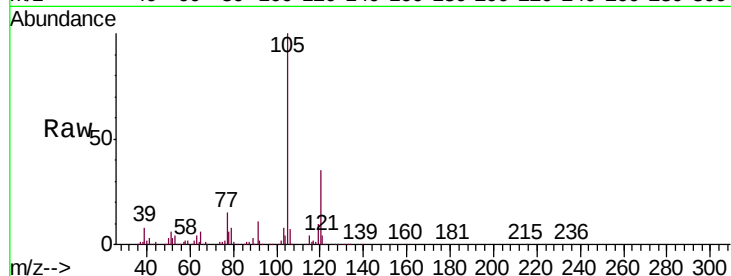
VSTDIC001

Tgt Ion:105 Resp: 311688

Ion Ratio Lower Upper

105 100

120 35.2 36.0 54.0#



#74

1,2,4-Trimethylbenzene

Concen: 1.188 ppbv

RT: 16.93 min Scan# 4352

Delta R.T. -0.01 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Tgt Ion:105 Resp: 396930

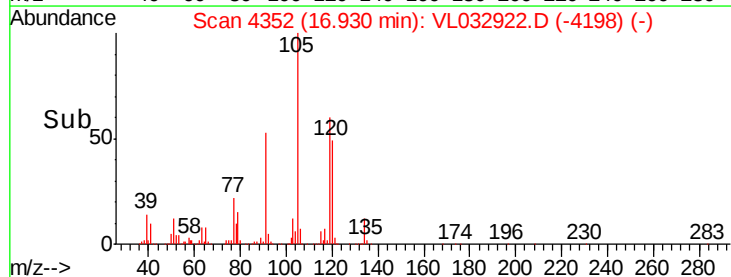
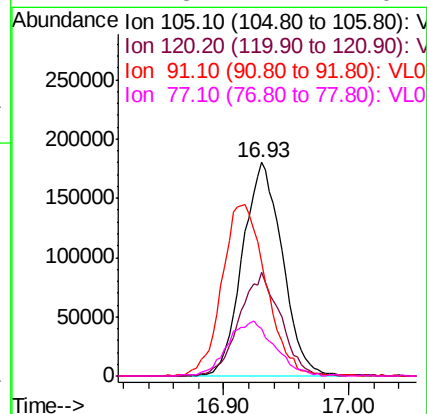
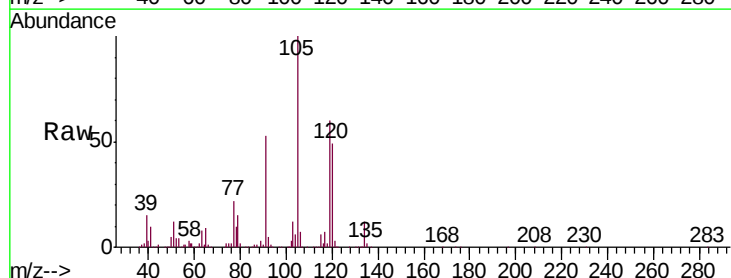
Ion Ratio Lower Upper

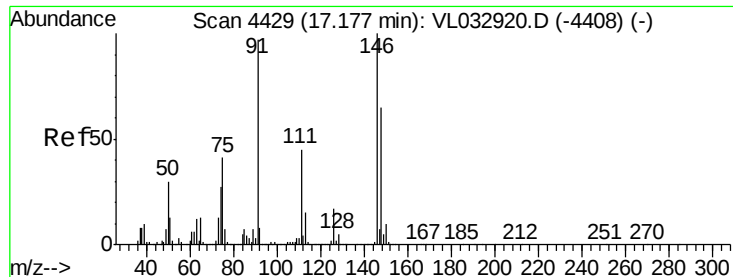
105 100

120 48.4 38.6 58.0

91 52.8 41.7 62.5

77 22.3 17.4 26.2





#75

1,3-Dichlorobenzene

Concen: 1.122 ppbv

RT: 17.17 min Scan# 4426

Delta R.T. -0.01 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

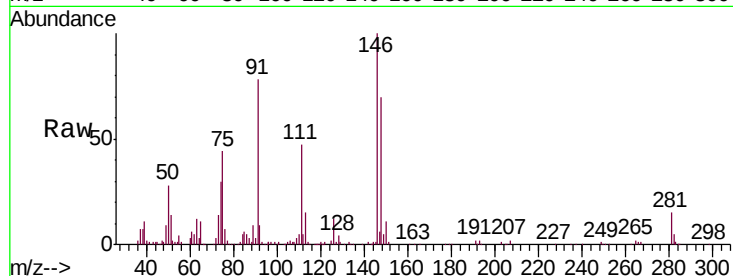
Tgt Ion:146 Resp: 219609

Ion Ratio Lower Upper

146 100

111 48.1 23.6 70.8

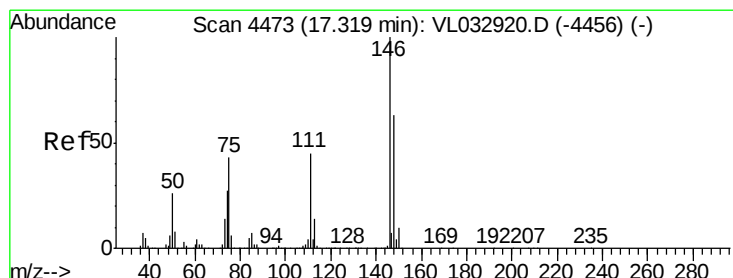
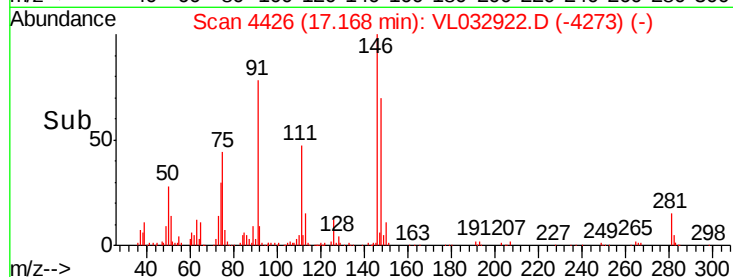
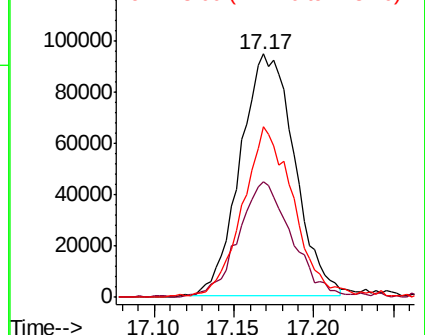
148 67.3 32.1 96.3



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: 1.078 ppbv

RT: 17.31 min Scan# 4470

Delta R.T. -0.01 min

Lab File: VL032922.D

Acq: 7 Dec 2018 4:57

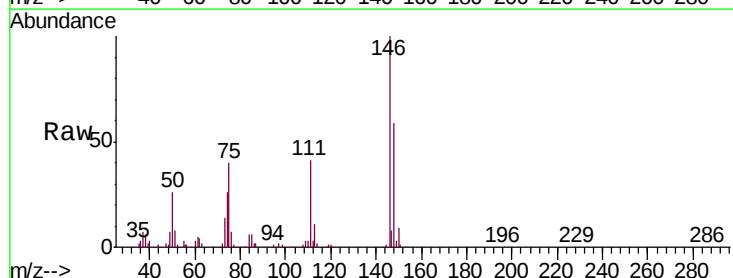
Tgt Ion:146 Resp: 197623

Ion Ratio Lower Upper

146 100

111 48.0 22.8 68.4

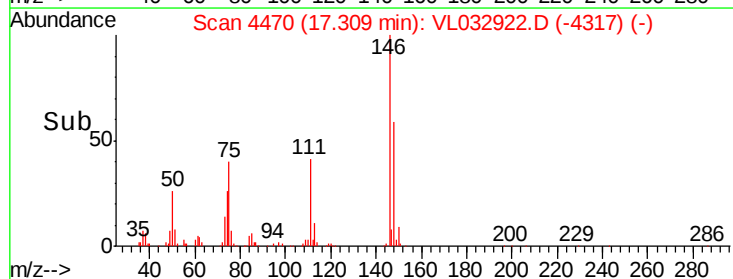
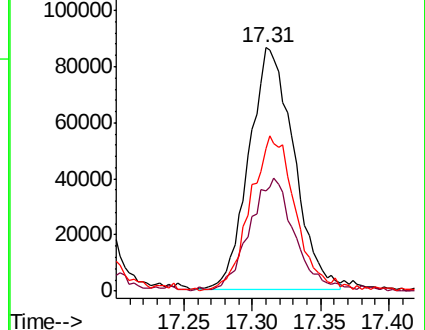
148 66.2 32.0 96.2

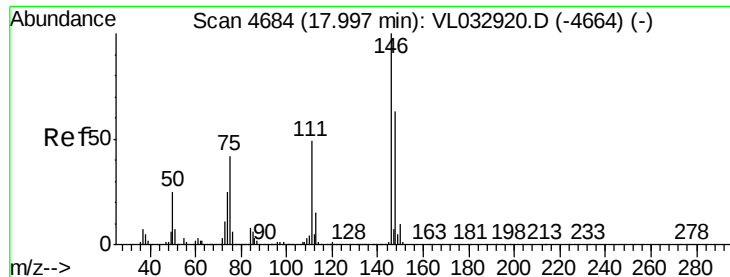


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

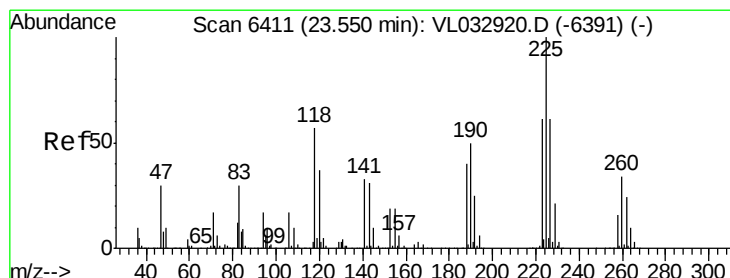
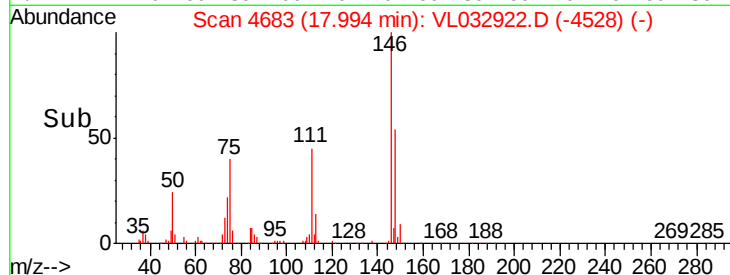
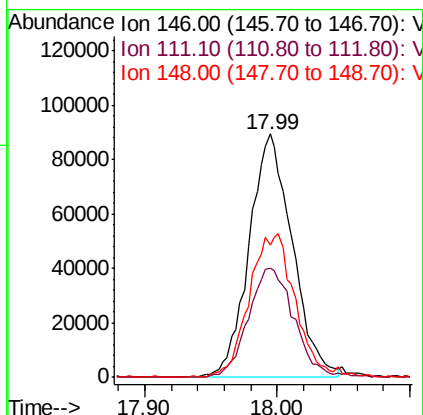
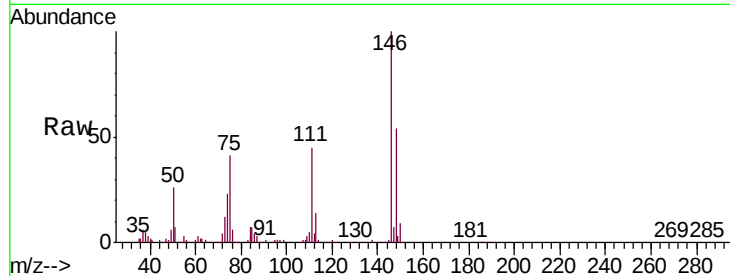




#77
 1,2-Dichlorobenzene
 Concen: 1.097 ppbv
 RT: 17.99 min Scan# 4683
 Delta R.T. -0.00 min
 Lab File: VL032922.D
 Acq: 7 Dec 2018 4:57

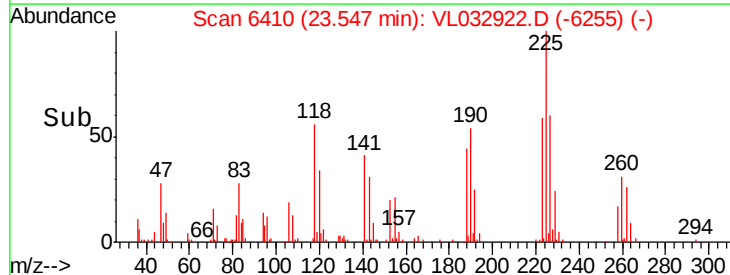
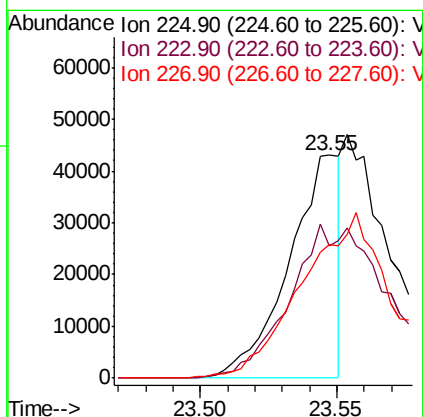
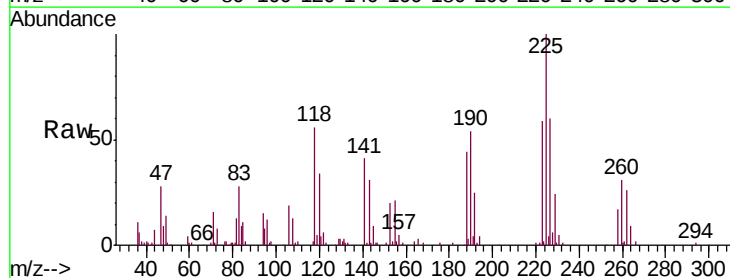
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

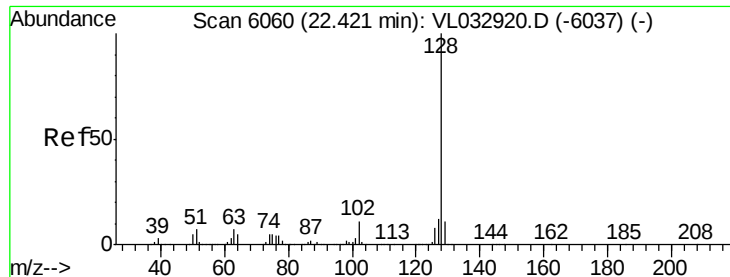
Tgt Ion:146 Resp: 202374
 Ion Ratio Lower Upper
 146 100
 111 47.8 24.3 72.9
 148 63.6 32.0 96.2



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.479 ppbv
 RT: 23.55 min Scan# 6410
 Delta R.T. -0.00 min
 Lab File: VL032922.D
 Acq: 7 Dec 2018 4:57

Tgt Ion:225 Resp: 55793
 Ion Ratio Lower Upper
 225 100
 223 128.5 50.6 75.8#
 227 0.0 50.4 75.6#

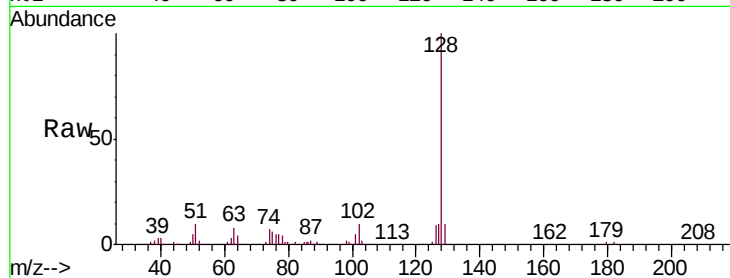




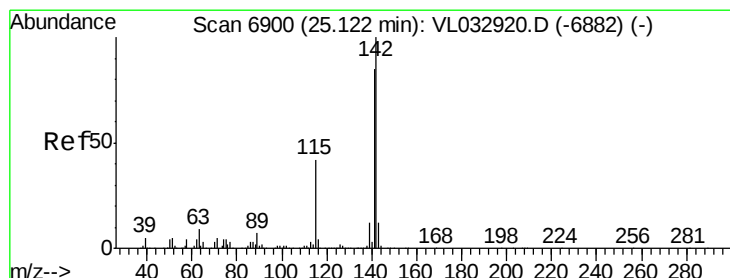
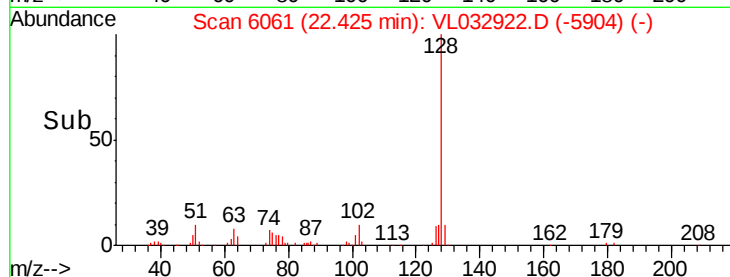
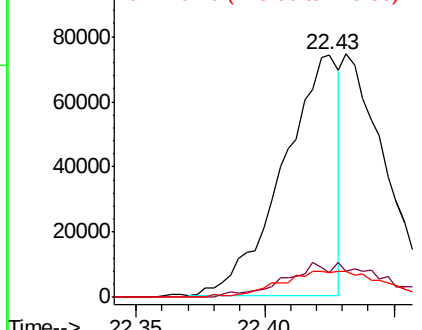
#79
Naphthalene
Concen: 0.560 ppbv
RT: 22.43 min Scan# 6061
Delta R.T. 0.00 min
Lab File: VL032922.D
Acq: 7 Dec 2018 4:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.4	9.9	14.9
129	10.5	8.6	13.0

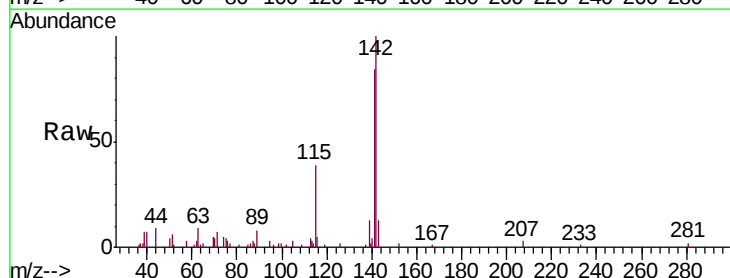


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

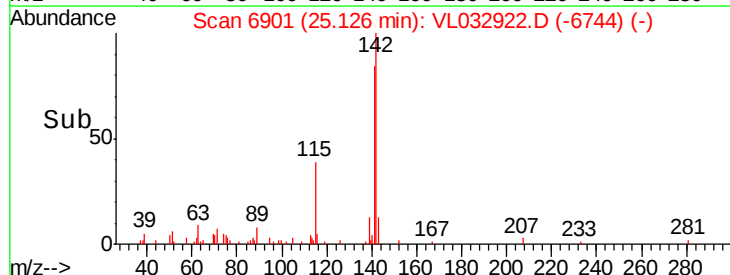
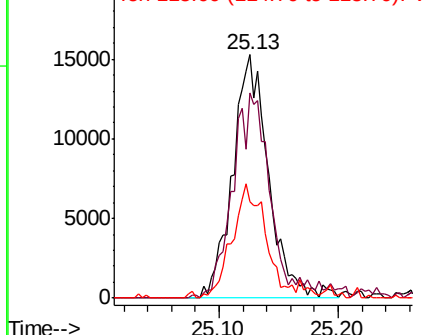


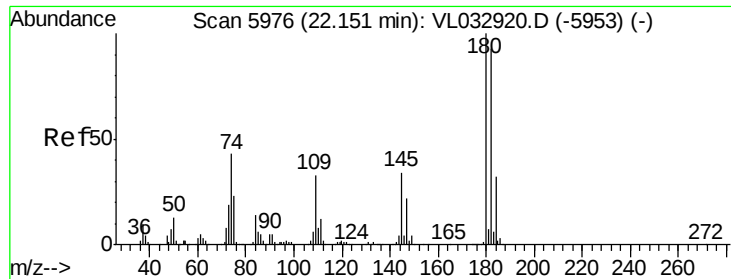
#80
Naphthalene, 2-methyl-
Concen: 0.722 ppbv
RT: 25.13 min Scan# 6901
Delta R.T. 0.00 min
Lab File: VL032922.D
Acq: 7 Dec 2018 4:57

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.6	68.2	102.2
115	48.0	35.1	52.7



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: 0.524 ppbv
 RT: 22.14 min Scan# 5973
 Delta R.T. -0.01 min
 Lab File: VL032922.D
 Acq: 7 Dec 2018 4:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:180 Resp: 54561
 Ion Ratio Lower Upper
 180 100
 182 0.0 77.0 115.6#
 184 0.0 24.3 36.5#

