

Data File : VL034010.D
Acq On : 8 Jul 2019 13:19
Operator : SY/AP
Sample : VL0708ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Quant Time: Jul 09 03:47:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	1143973	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.26	114	2967458	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.21	117	3202686	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.54	95	2393432	8.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	87.60%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.06	85	1743113	7.384	ppbv	98
3) Chlorodifluoromethane	2.99	51	1341918	9.499	ppbv	100
4) Chloromethane	3.15	50	790813	9.736	ppbv	93
5) Vinyl Chloride	3.27	62	838518	9.180	ppbv	93
6) Bromomethane	3.49	94	541252	10.049	ppbv	92
7) Chloroethane	3.58	64	322948	9.893	ppbv	94
8) Dichlorotetrafluoroethane	3.20	85	2158381	9.377	ppbv	100
9) Propene	3.01	41	513645	9.884	ppbv	97
10) Heptane	8.21	43	1444374	11.100	ppbv	99
11) Trichlorofluoromethane	3.98	101	2268568	8.546	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.53	101	1636529	8.710	ppbv	99
13) Ethanol	3.62	45	130994	8.114	ppbv	96
14) Bromoethene	3.76	108	705464	10.054	ppbv	98
15) Acetone	3.88	43	1545468	8.035	ppbv	98
16) 1,3-Butadiene	3.34	39	703748	10.362	ppbv	99
17) tert-Butyl alcohol	4.33	59	1359055	8.863	ppbv	99
18) 1,1-Dichloroethene	4.33	96	762433	9.111	ppbv	95
19) Isopropyl Alcohol	4.00	45	1061152	8.219	ppbv	99
20) Methylene Chloride	4.38	84	657393	7.837	ppbv	98
21) Allyl Chloride	4.45	41	1127434	9.401	ppbv	99
22) trans-1,2-Dichloroethene	4.93	96	758364	9.510	ppbv	89
23) Vinyl Acetate	5.12	43	2045774	10.657	ppbv	99
24) 1,1-Dichloroethane	5.06	63	1637127	9.622	ppbv	99
25) Ethyl Acetate	5.74	43	2764804	10.510	ppbv	99
26) Hexane	5.75	57	1284838	10.673	ppbv	96
27) Carbon Disulfide	4.59	76	1961600	9.585	ppbv	99
28) Methyl tert-Butyl Ether	5.08	73	2134288	10.469	ppbv	100
29) Chloroform	5.82	83	2182917	9.649	ppbv	99
30) Cyclohexane	7.21	84	1069777	11.507	ppbv	96
31) cis-1,2-Dichloroethene	5.61	61	1279058	10.997	ppbv	97
32) 1,1,1-Trichloroethane	6.59	97	2186449	9.535	ppbv	99
34) 2-Butanone	5.30	43	1589987	10.124	ppbv	100
35) Carbon Tetrachloride	7.10	117	2300011	9.791	ppbv	98
36) Benzene	6.97	78	2550166	10.983	ppbv	97
37) 1,2-Dichloroethane	6.38	62	1696912	9.920	ppbv	100
38) Trichloroethene	7.93	130	1107795	10.723	ppbv	98
39) 1,2-Dichloropropane	7.70	63	907399	10.509	ppbv	98
40) 1,4-Dioxane	7.92	88	378212	9.488	ppbv #	99
41) Tetrahydrofuran	6.11	42	895795	11.631	ppbv	100
42) Bromodichloromethane	7.88	83	2391442	10.419	ppbv	98
43) Methyl Methacrylate	8.10	69	1032026	11.714	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.96	57	4240894	10.581	ppbv	100
45) t-1,3-Dichloropropene	9.38	75	1465968	12.725	ppbv	98
46) cis-1,3-Dichloropropene	8.80	75	1600271	11.994	ppbv	96
47) 1,1,2-Trichloroethane	9.58	97	1148508	10.580	ppbv	93
48) Dibromochloromethane	10.42	129	2092944	10.104	ppbv	100
49) Bromoform	13.16	173	1950336	11.021	ppbv	99
50) 4-Methyl-2-Pentanone	8.83	43	2520677	10.816	ppbv	100
51) 2-Hexanone	10.23	43	2089065	11.115	ppbv #	100
52) Tetrachloroethene	11.34	164	1073273	10.740	ppbv	97
53) Toluene	9.91	91	3192844	12.013	ppbv	98
54) 1,2-Dibromoethane	10.72	107	1754592	10.952	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.24	131	1403518	9.805	ppbv	99
57) Chlorobenzene	12.26	112	2513264	9.857	ppbv	98
58) Ethyl Benzene	12.83	91	4326573	11.234	ppbv	99
59) m/p-Xylene	13.12	91	3533586	10.133	ppbv #	27
60) o-Xylene	13.81	91	3679086	10.546	ppbv	98
61) Styrene	13.65	104	2719316	11.778	ppbv	99
62) Isopropylbenzene	14.79	105	4886770	9.112	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.80	83	2513842	9.309	ppbv	99
64) n-propylbenzene	15.68	120	1261011	9.067	ppbv	97
65) tert-Butylbenzene	16.87	119	4406890	9.663	ppbv	99
66) Benzyl Chloride	17.12	91	2476180	10.612	ppbv	100
67) sec-Butylbenzene	17.42	105	6133150	9.581	ppbv	100
69) p-Isopropyltoluene	17.78	119	5106155	9.675	ppbv	99
70) n-Butylbenzene	18.68	91	5231136	9.435	ppbv	100
71) 2-Chlorotoluene	15.58	91	3654641	9.312	ppbv	100
72) 4-Ethyltoluene	15.97	105	4279475	9.552	ppbv	98
73) 1,3,5-Trimethylbenzene	16.12	105	4068787	9.761	ppbv	96
74) 1,2,4-Trimethylbenzene	16.89	105	4276032	9.262	ppbv	95
75) 1,3-Dichlorobenzene	17.13	146	2531067	8.630	ppbv	99
76) 1,4-Dichlorobenzene	17.27	146	2518071	9.116	ppbv	99
77) 1,2-Dichlorobenzene	17.95	146	2415159	8.893	ppbv	99
78) Hexachloro-1,3-Butadiene	23.51	225	2228302	9.643	ppbv	100
79) Naphthalene	22.36	128	3940966	10.153	ppbv	98
80) Naphthalene,2-methyl-	25.08	142	2004611	14.192	ppbv	98
81) 1,2,4-Trichlorobenzene	22.09	180	2332301	9.356	ppbv	99

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

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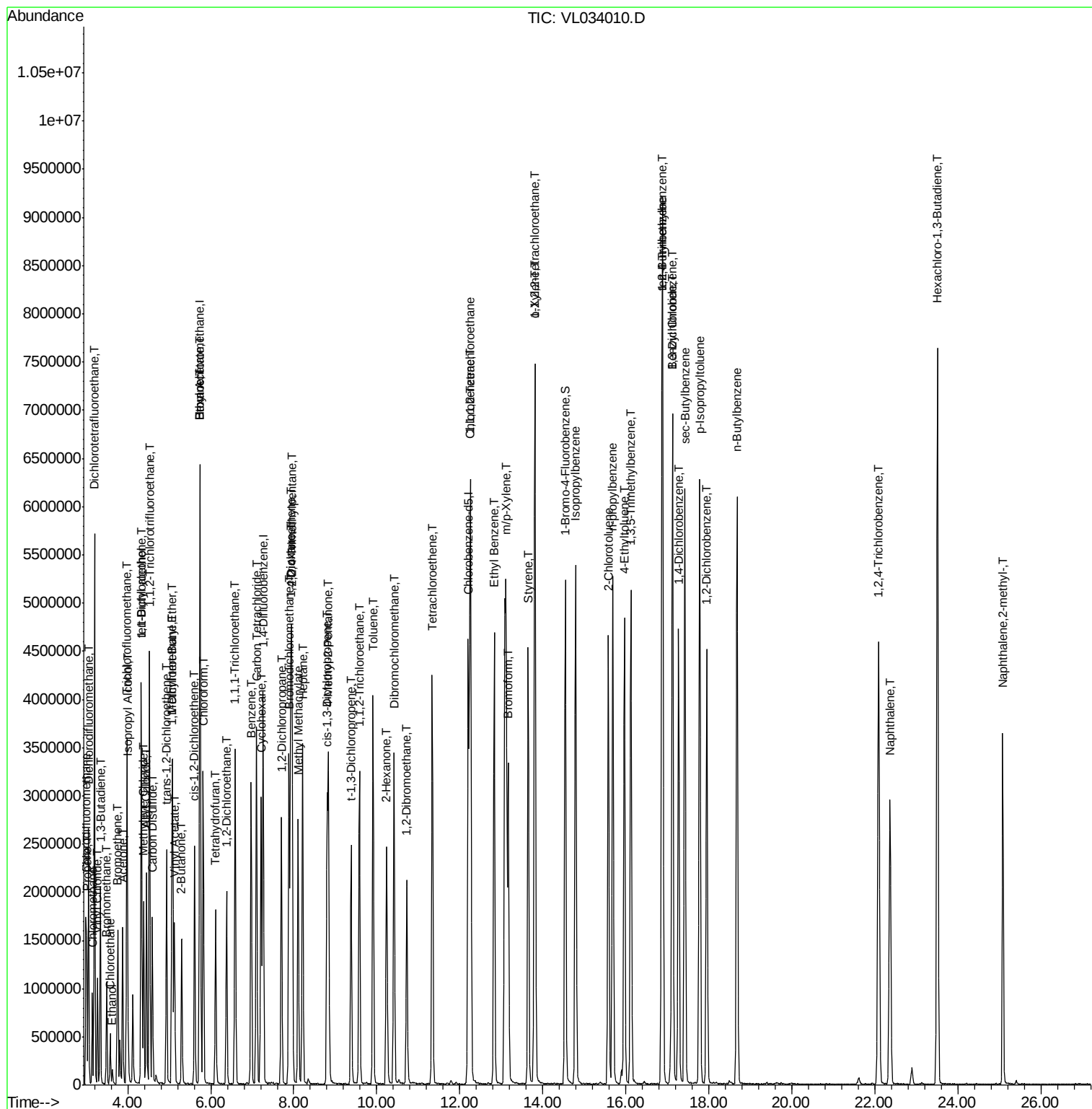
Quant Time: Jul 09 03:47:06 2019

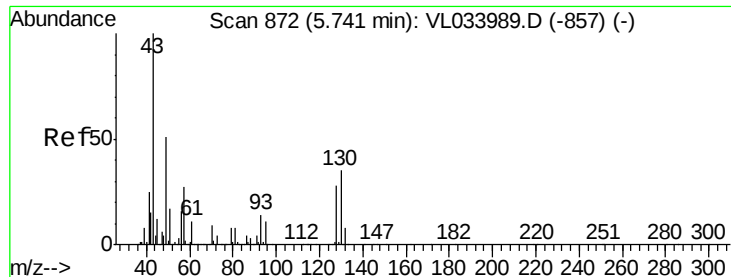
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL070219AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 869

Delta R.T. -0.01 min

Lab File: VL034010.D

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MSVOA_L

ClientSampleId :

VL0708ABS01

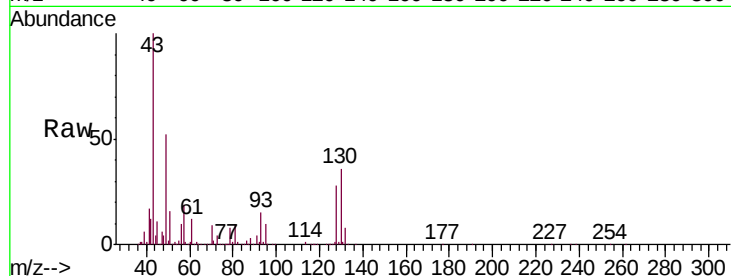
Tgt Ion: 49 Resp: 1143973

Ion Ratio Lower Upper

49 100

128 56.6 27.9 83.6

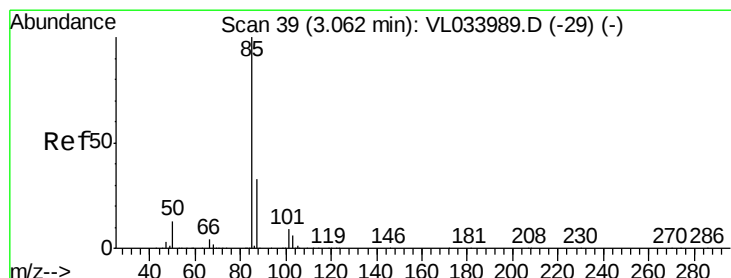
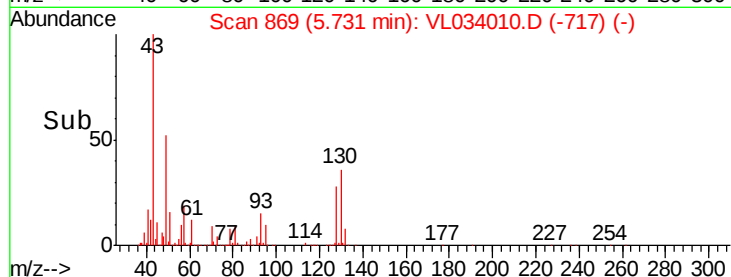
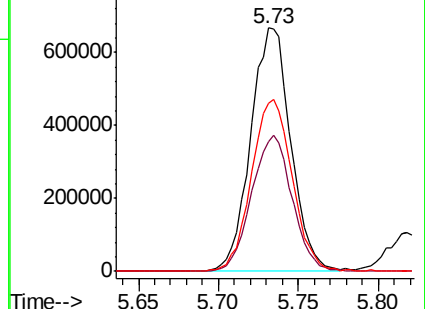
130 72.1 35.8 107.4



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: 7.384 ppbv

RT: 3.06 min Scan# 37

Delta R.T. -0.01 min

Lab File: VL034010.D

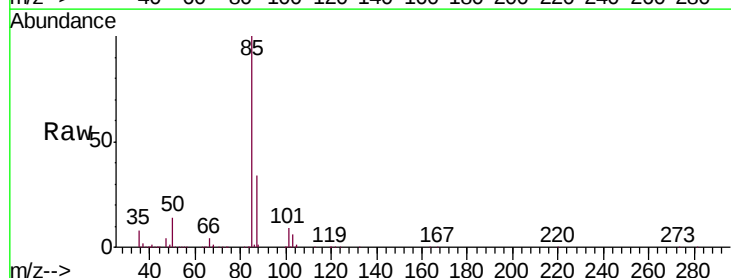
Acq: 8 Jul 2019 13:19

Tgt Ion: 85 Resp: 1743113

Ion Ratio Lower Upper

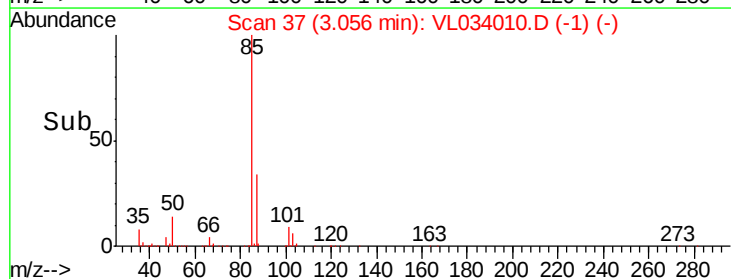
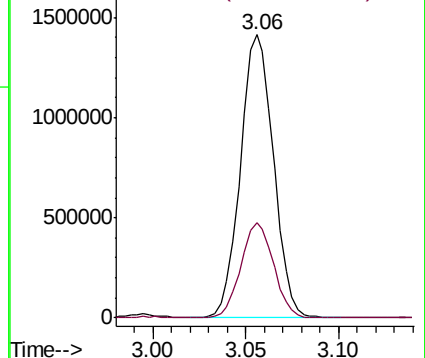
85 100

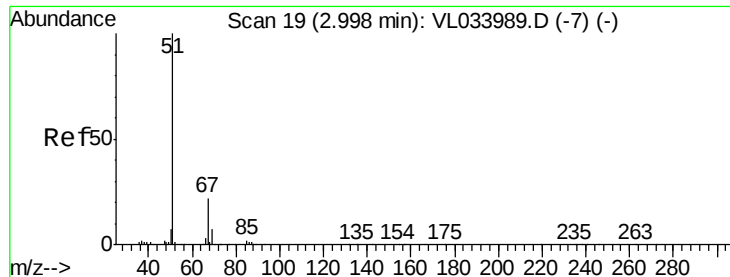
87 33.9 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

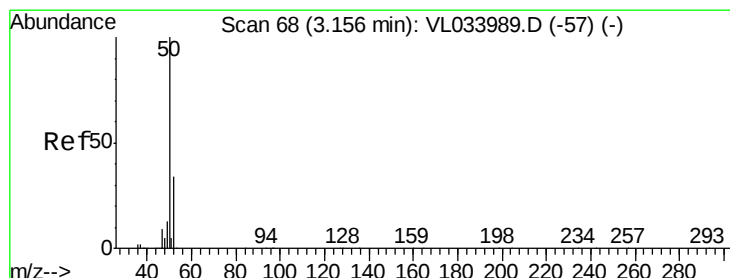
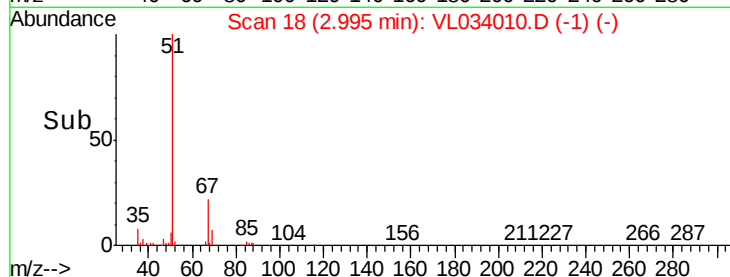
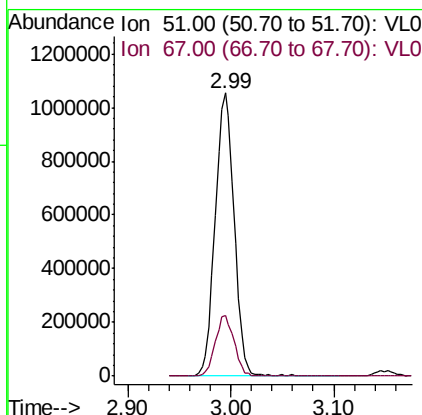
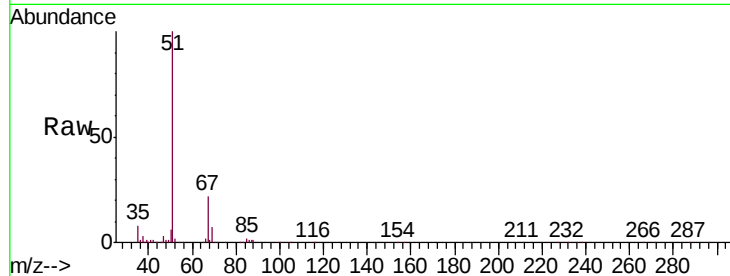




#3
 Chlorodifluoromethane
 Concen: 9.499 ppbv
 RT: 2.99 min Scan# 18
 Delta R.T. -0.00 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

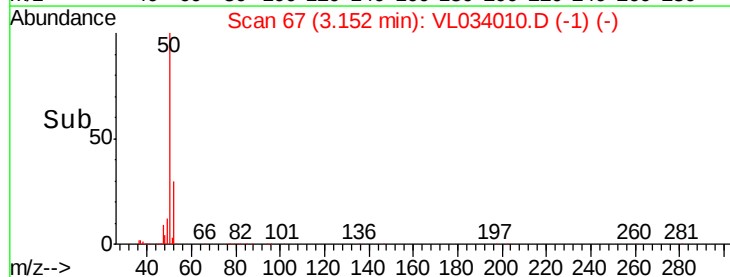
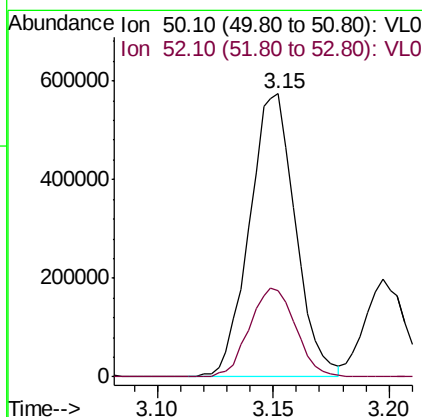
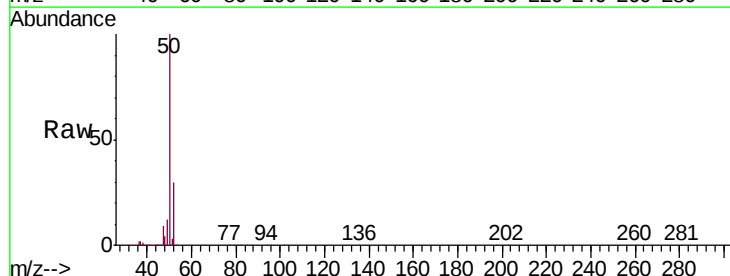
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

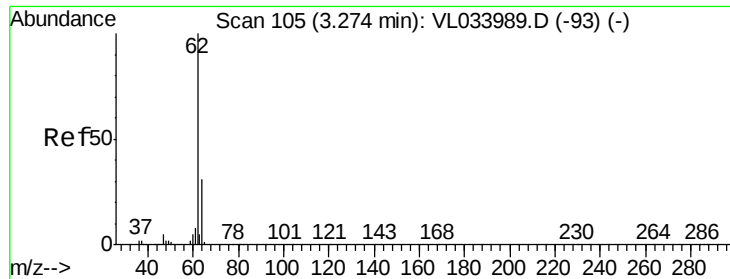
Tgt Ion: 51 Resp: 1341918
 Ion Ratio Lower Upper
 51 100
 67 21.6 17.3 25.9



#4
 Chloromethane
 Concen: 9.736 ppbv
 RT: 3.15 min Scan# 67
 Delta R.T. -0.00 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Tgt Ion: 50 Resp: 790813
 Ion Ratio Lower Upper
 50 100
 52 30.4 27.4 41.0





#5

Vinyl Chloride

Concen: 9.180 ppbv

RT: 3.27 min Scan# 103

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

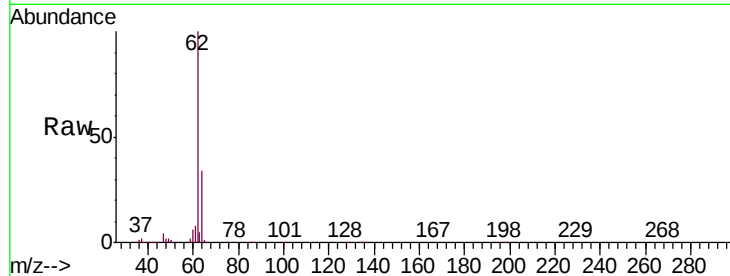
VL0708ABS01

Tgt Ion: 62 Resp: 838518

Ion Ratio Lower Upper

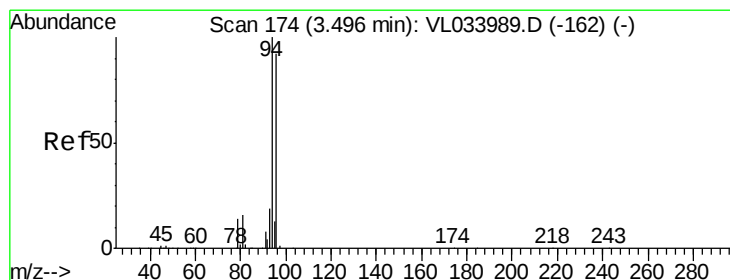
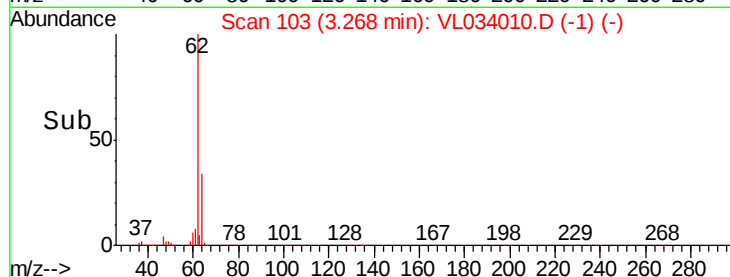
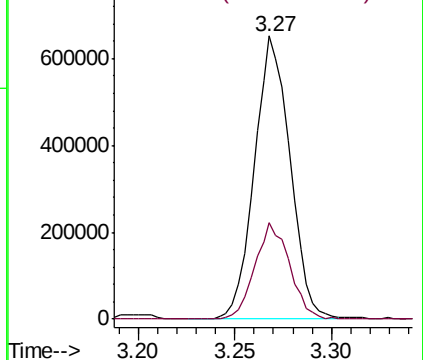
62 100

64 34.1 24.4 36.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.049 ppbv

RT: 3.49 min Scan# 173

Delta R.T. -0.00 min

Lab File: VL034010.D

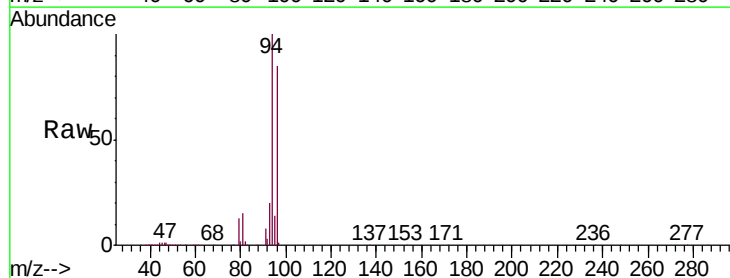
Acq: 8 Jul 2019 13:19

Tgt Ion: 94 Resp: 541252

Ion Ratio Lower Upper

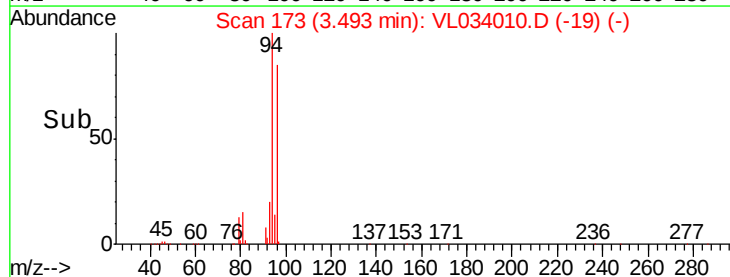
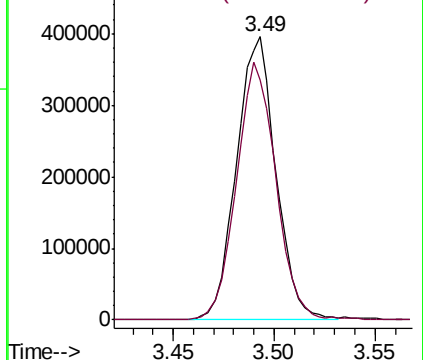
94 100

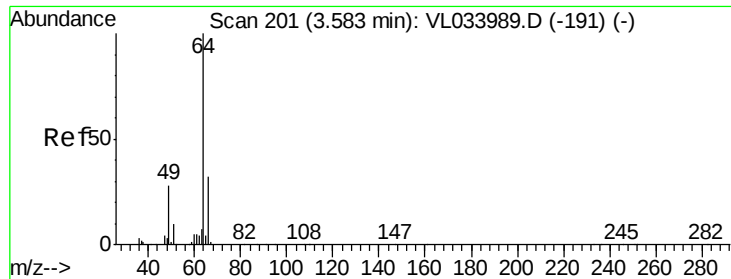
96 84.6 73.8 110.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.893 ppbv

RT: 3.58 min Scan# 199

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

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ClientSampleId :

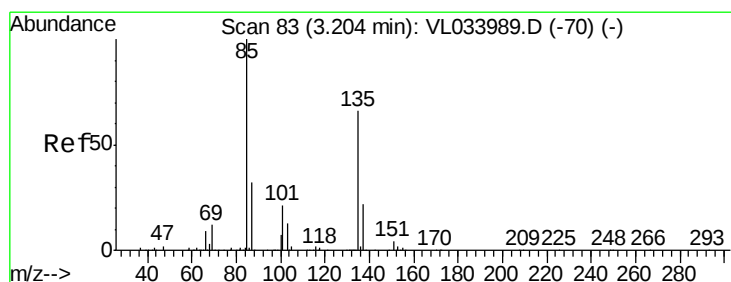
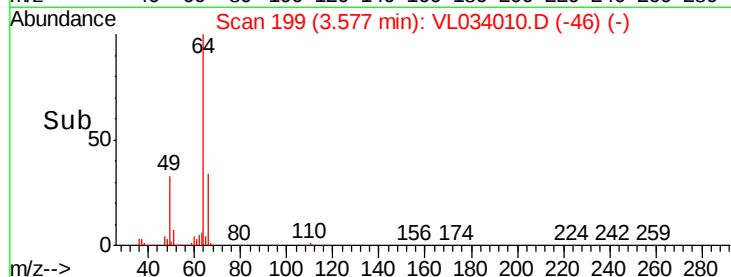
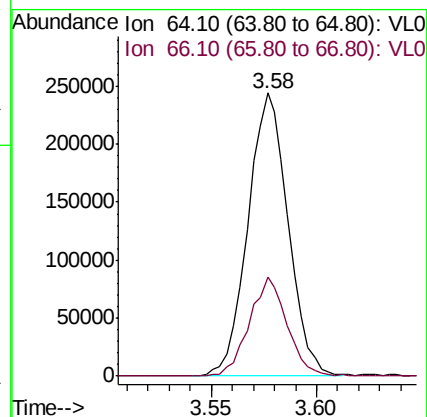
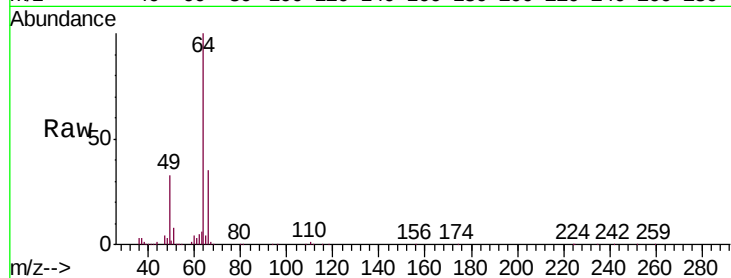
VL0708ABS01

Tgt Ion: 64 Resp: 322948

Ion Ratio Lower Upper

64 100

66 34.9 25.3 37.9



#8

Dichlorotetrafluoroethane

Concen: 9.377 ppbv

RT: 3.20 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL034010.D

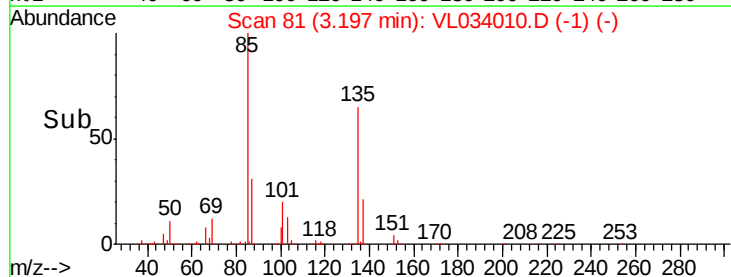
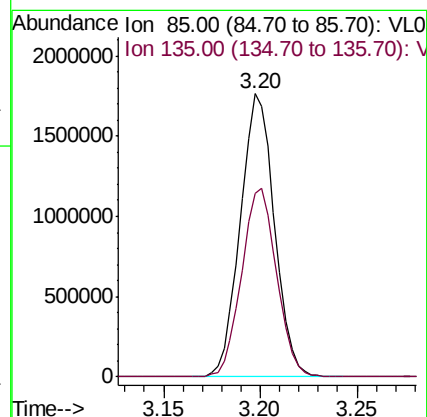
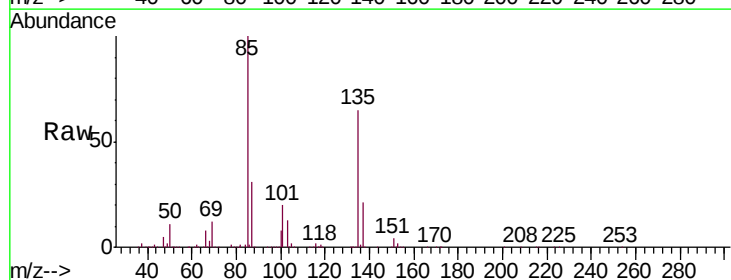
Acq: 8 Jul 2019 13:19

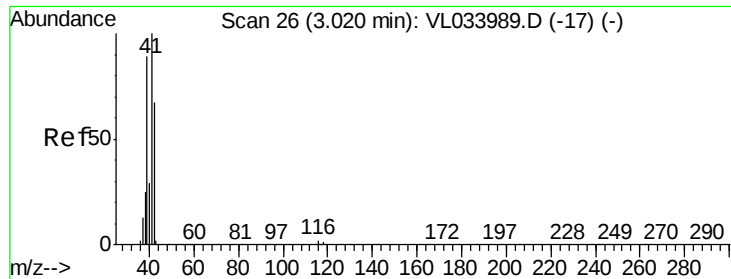
Tgt Ion: 85 Resp: 2158381

Ion Ratio Lower Upper

85 100

135 68.7 55.0 82.4





#9

Propene

Concen: 9.884 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

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ClientSampleId :

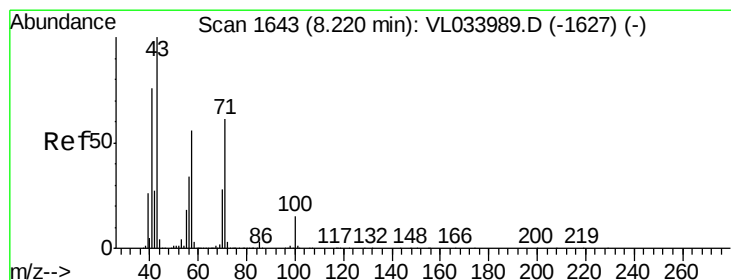
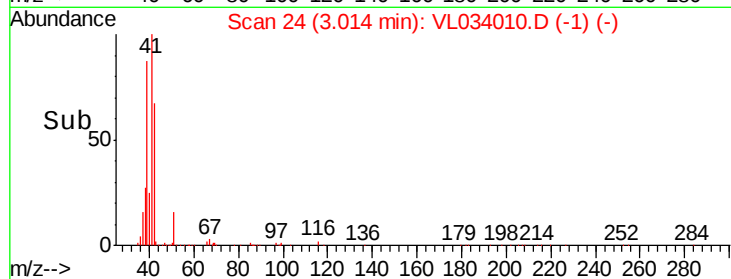
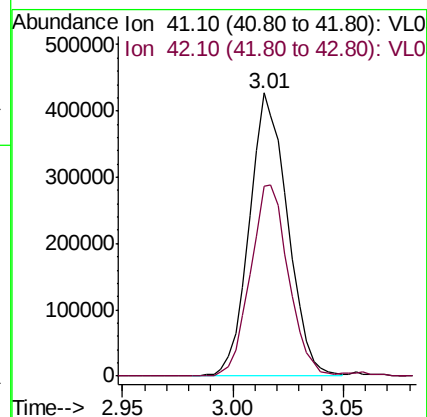
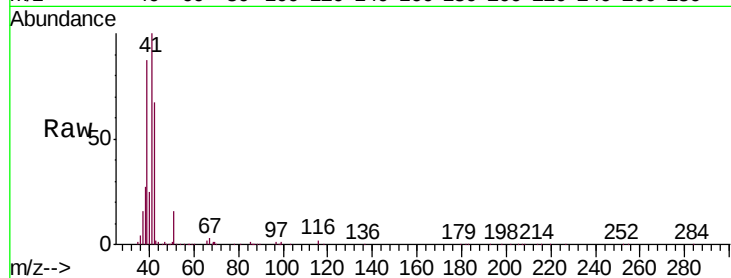
VL0708ABS01

Tgt Ion: 41 Resp: 513645

Ion Ratio Lower Upper

41 100

42 68.6 57.1 85.7



#10

Heptane

Concen: 11.100 ppbv

RT: 8.21 min Scan# 1640

Delta R.T. -0.01 min

Lab File: VL034010.D

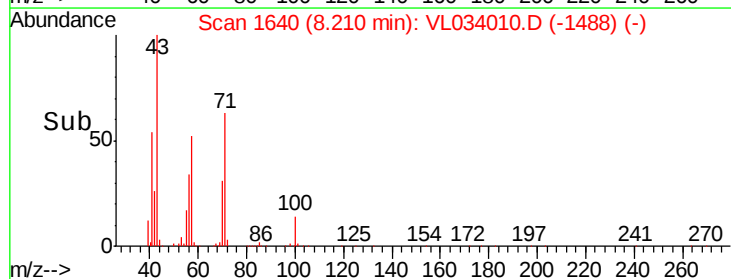
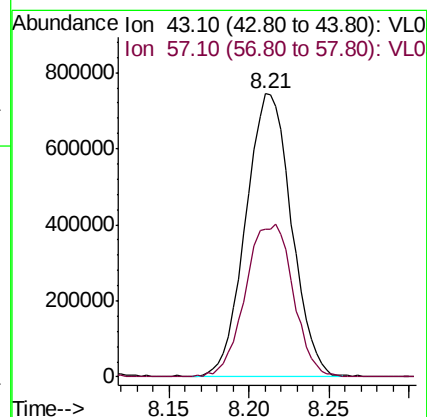
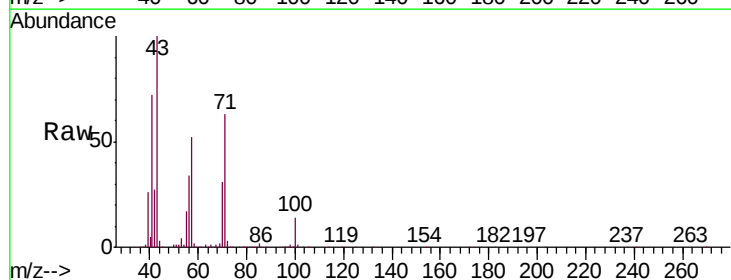
Acq: 8 Jul 2019 13:19

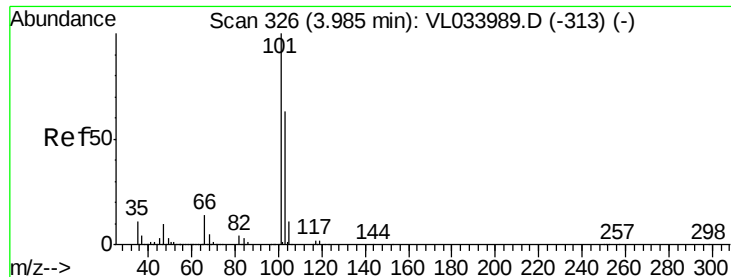
Tgt Ion: 43 Resp: 1444374

Ion Ratio Lower Upper

43 100

57 56.7 44.6 66.8





#11

Trichlorofluoromethane

Concen: 8.546 ppbv

RT: 3.98 min Scan# 324

Delta R.T. -0.01 min

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Acq: 8 Jul 2019 13:19

Instrument :

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ClientSampleId :

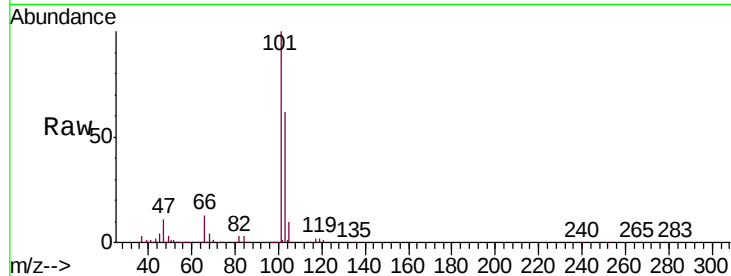
VL0708ABS01

Tgt Ion:101 Resp: 2268568

Ion Ratio Lower Upper

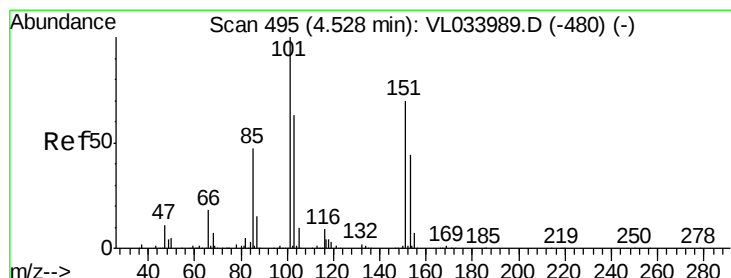
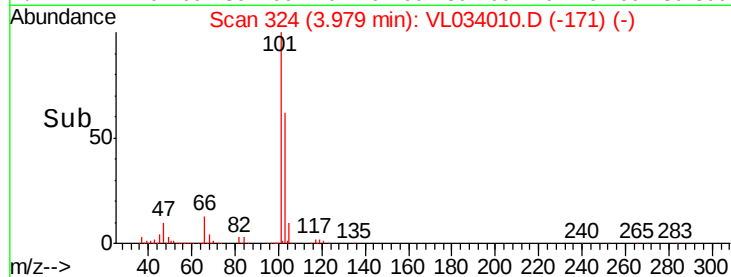
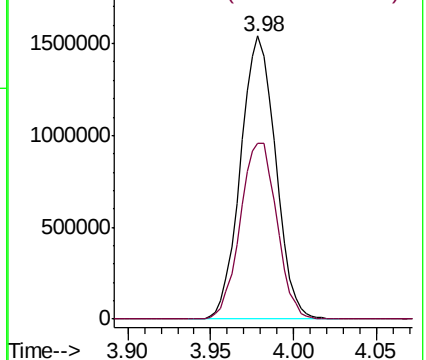
101 100

103 62.2 50.8 76.2



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: 8.710 ppbv

RT: 4.53 min Scan# 494

Delta R.T. -0.00 min

Lab File: VL034010.D

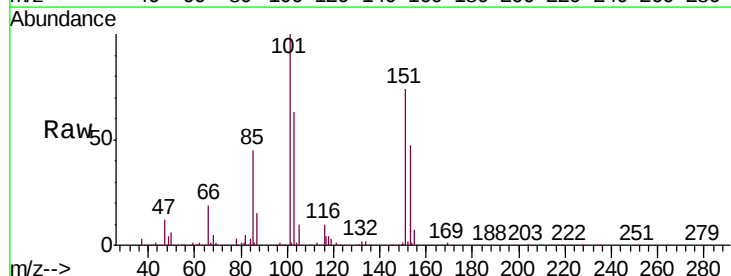
Acq: 8 Jul 2019 13:19

Tgt Ion:101 Resp: 1636529

Ion Ratio Lower Upper

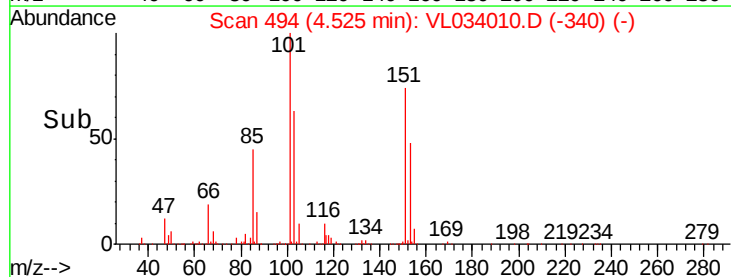
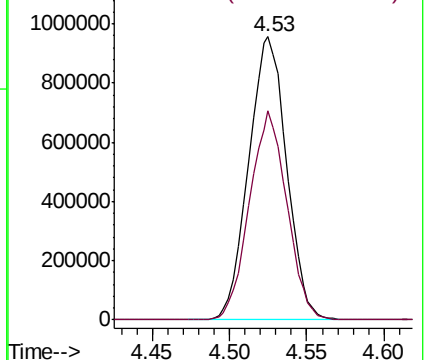
101 100

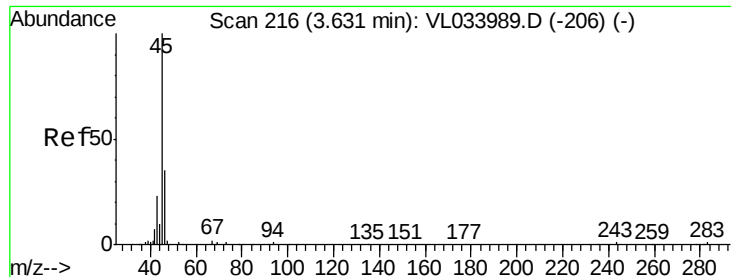
151 72.7 59.0 88.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.114 ppbv

RT: 3.62 min Scan# 214

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

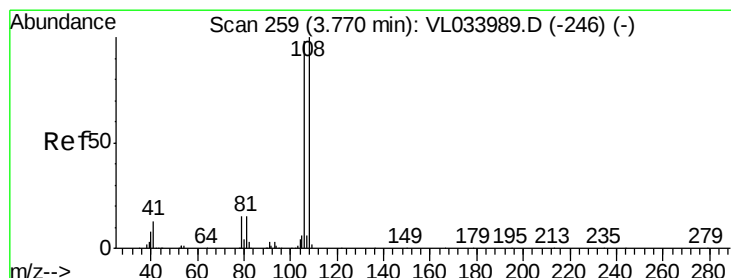
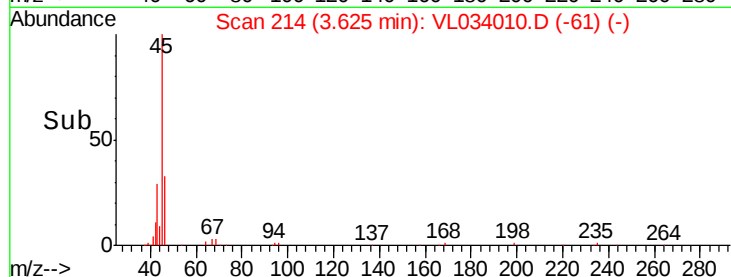
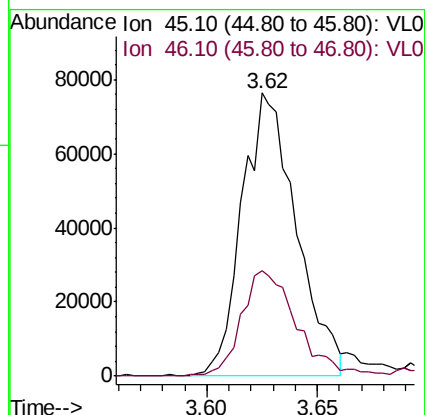
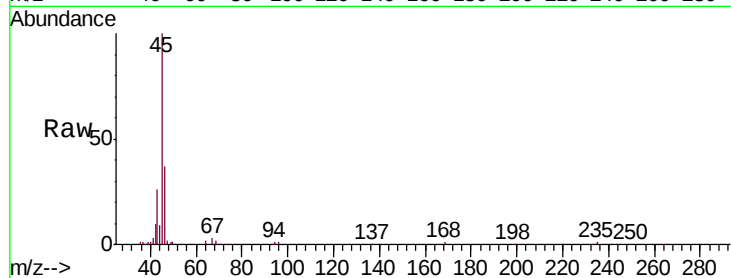
VL0708ABS01

Tgt Ion: 45 Resp: 130994

Ion Ratio Lower Upper

45 100

46 37.7 16.2 64.6



#14

Bromoethene

Concen: 10.054 ppbv

RT: 3.76 min Scan# 257

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

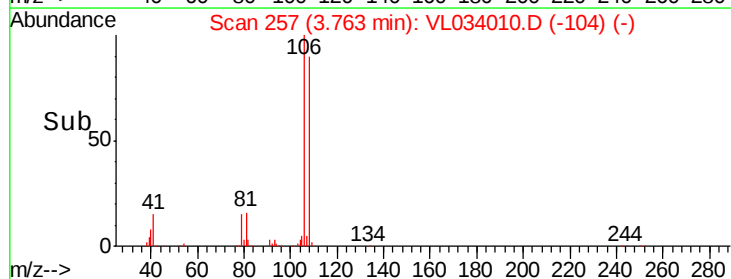
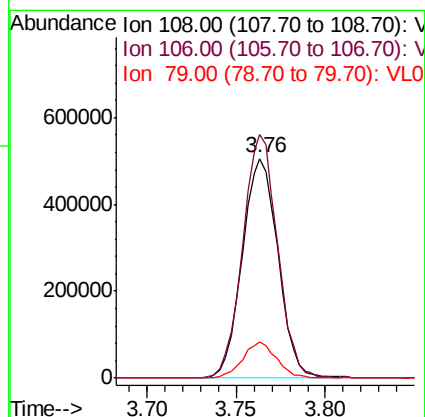
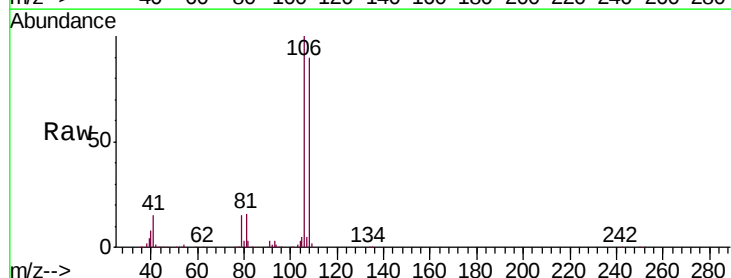
Tgt Ion: 108 Resp: 705464

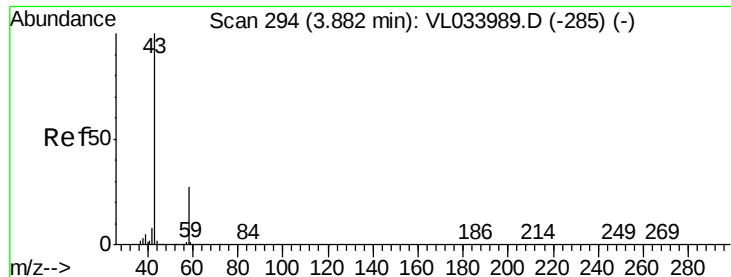
Ion Ratio Lower Upper

108 100

106 108.3 85.6 128.4

79 16.0 14.0 21.0





#15

Acetone

Concen: 8.035 ppbv

RT: 3.88 min Scan# 292

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

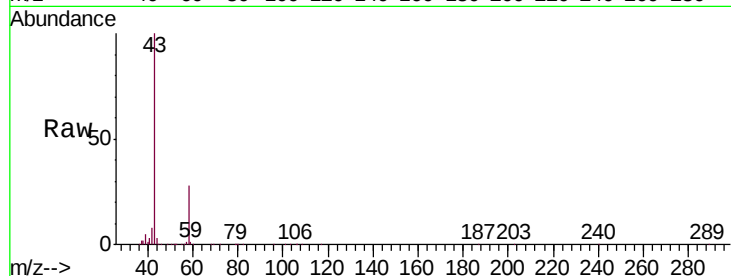
VL0708ABS01

Tgt Ion: 43 Resp: 1545468

Ion Ratio Lower Upper

43 100

58 27.8 21.4 32.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

1200000

1000000

800000

600000

400000

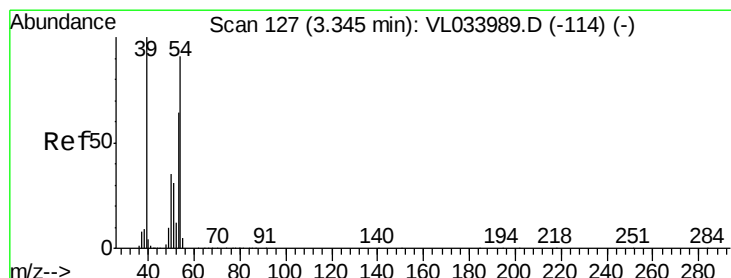
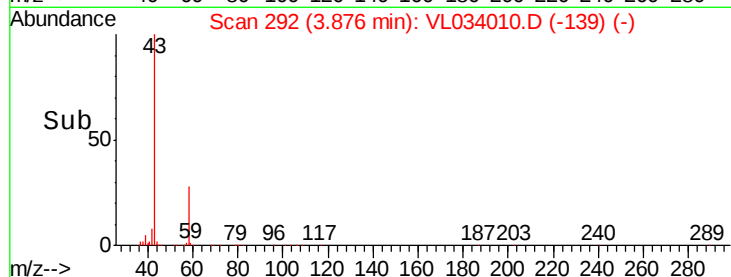
200000

0

3.88

3.80 3.85 3.90 3.95

Time-->



#16

1,3-Butadiene

Concen: 10.362 ppbv

RT: 3.34 min Scan# 126

Delta R.T. -0.00 min

Lab File: VL034010.D

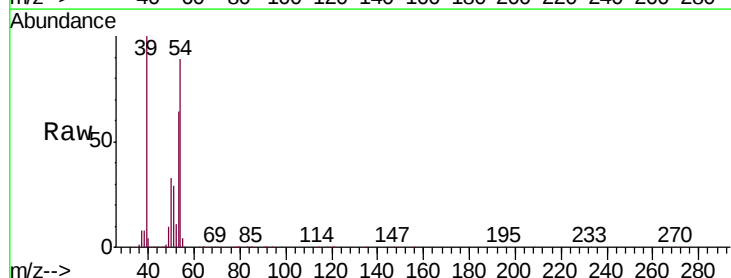
Acq: 8 Jul 2019 13:19

Tgt Ion: 39 Resp: 703748

Ion Ratio Lower Upper

39 100

54 90.7 71.4 107.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

600000

500000

400000

300000

200000

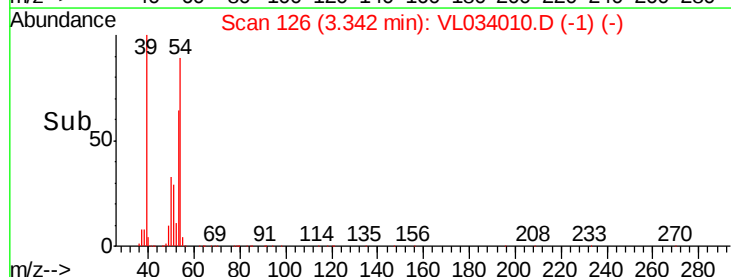
100000

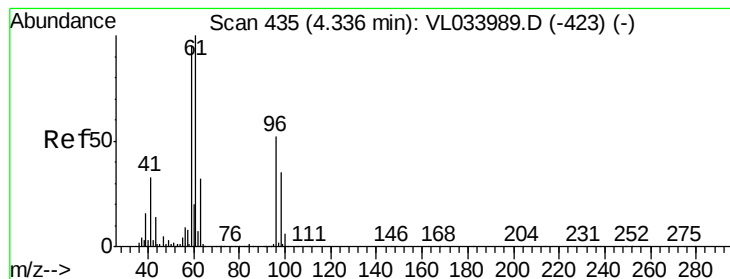
0

3.34

3.30 3.35 3.40

Time-->



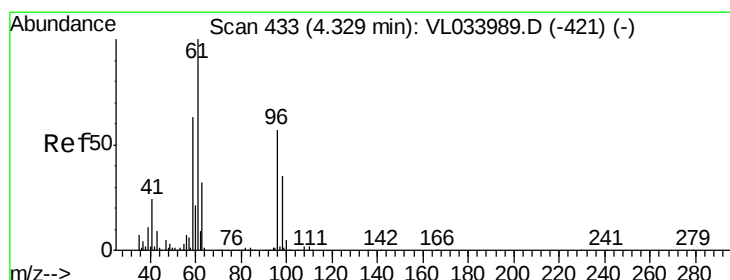
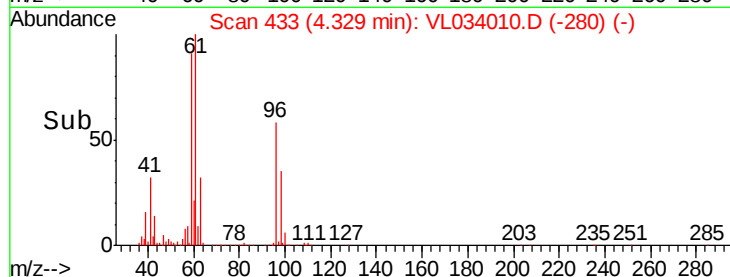
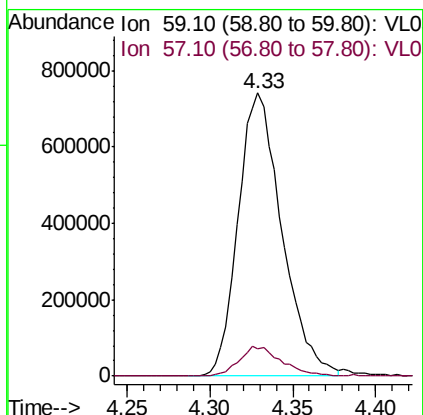
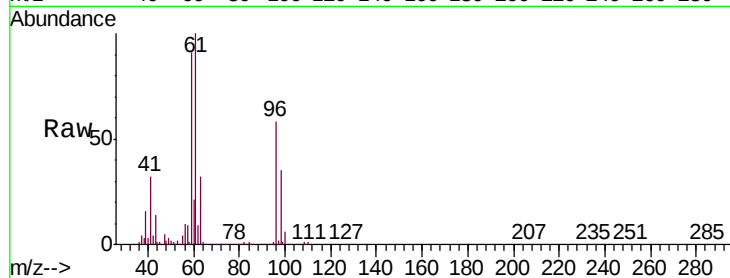


#17

tert-Butyl alcohol
Concen: 8.863 ppbv
RT: 4.33 min Scan# 433
Delta R.T. -0.01 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

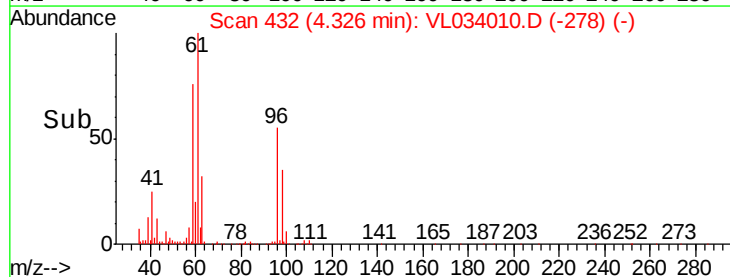
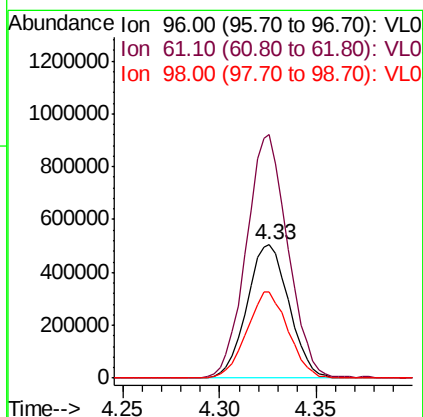
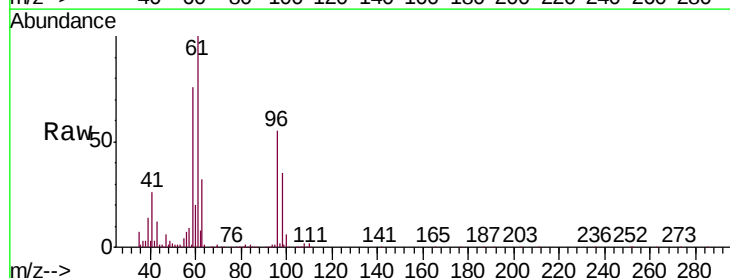
Tgt Ion: 59 Resp: 1359055
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.2

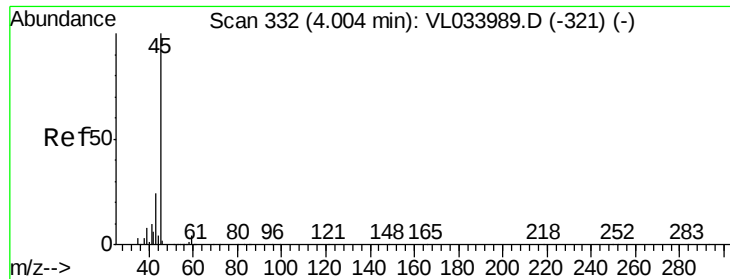


#18

1,1-Dichloroethene
Concen: 9.111 ppbv
RT: 4.33 min Scan# 432
Delta R.T. -0.00 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Tgt Ion: 96 Resp: 762433
Ion Ratio Lower Upper
96 100
61 182.7 139.4 209.0
98 64.4 49.4 74.0

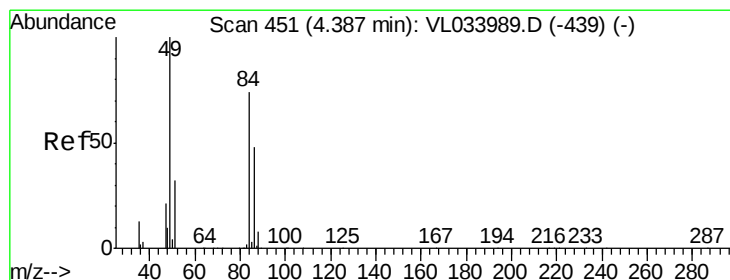
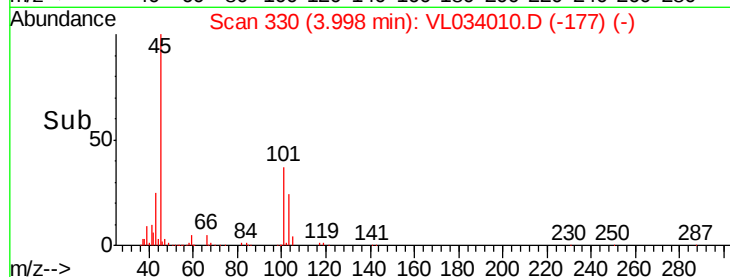
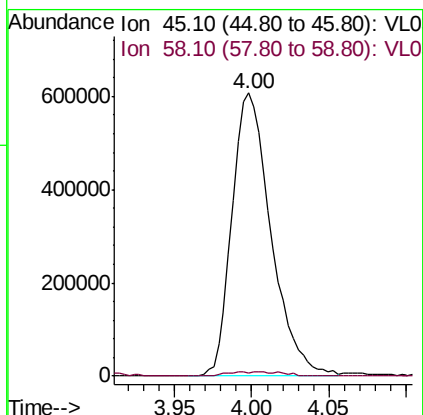
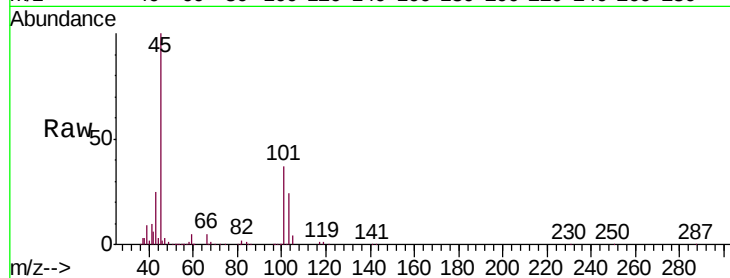




#19
Isopropyl Alcohol
Concen: 8.219 ppbv
RT: 4.00 min Scan# 330
Delta R.T. -0.01 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

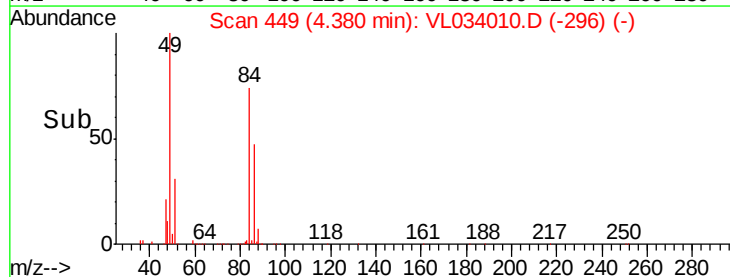
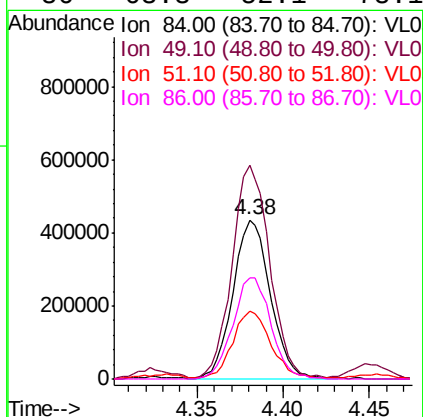
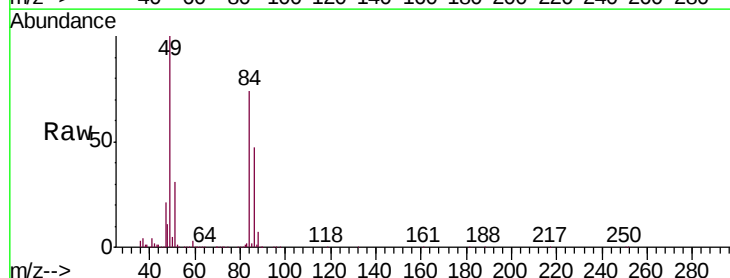
Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

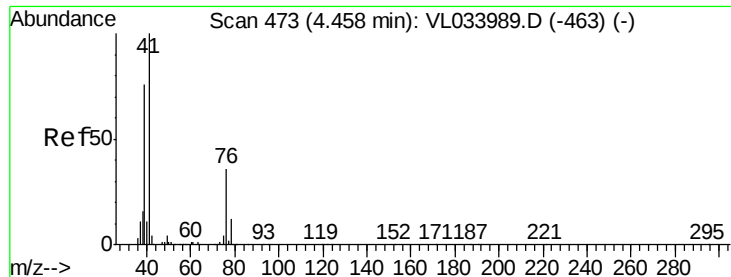
Tgt Ion: 45 Resp: 1061152
Ion Ratio Lower Upper
45 100
58 2.3 1.7 2.5



#20
Methylene Chloride
Concen: 7.837 ppbv
RT: 4.38 min Scan# 449
Delta R.T. -0.01 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Tgt Ion: 84 Resp: 657393
Ion Ratio Lower Upper
84 100
49 133.6 107.6 161.4
51 41.4 35.0 52.6
86 63.3 52.1 78.1





#21

Allyl Chloride

Concen: 9.401 ppbv

RT: 4.45 min Scan# 471

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

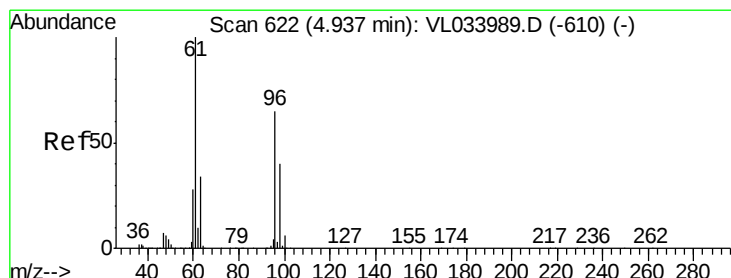
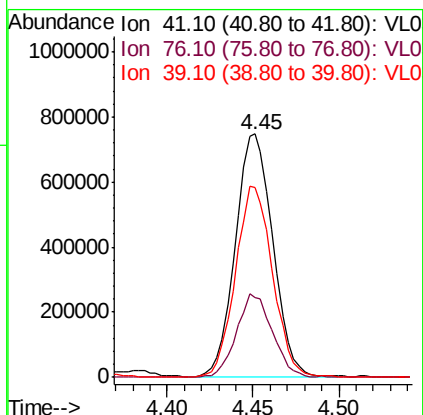
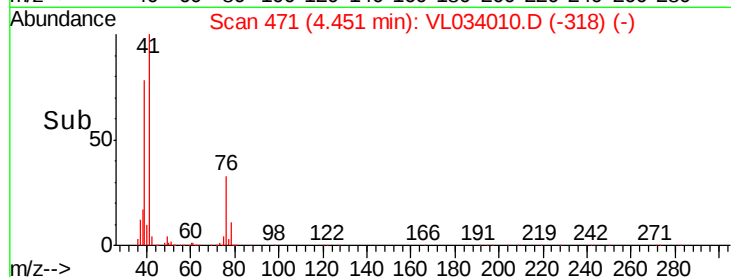
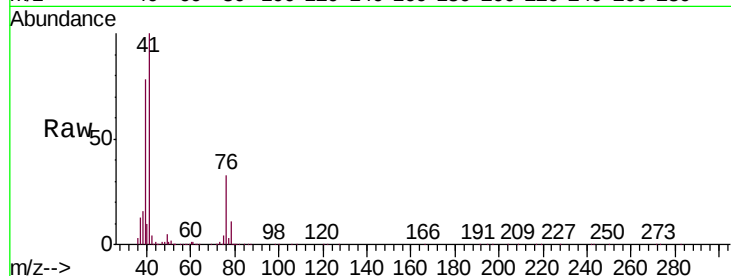
Tgt Ion: 41 Resp: 1127434

Ion Ratio Lower Upper

41 100

76 33.3 26.8 40.2

39 78.3 63.1 94.7



#22

trans-1,2-Dichloroethene

Concen: 9.510 ppbv

RT: 4.93 min Scan# 621

Delta R.T. -0.00 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

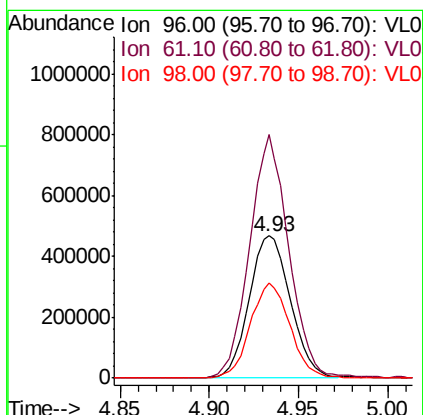
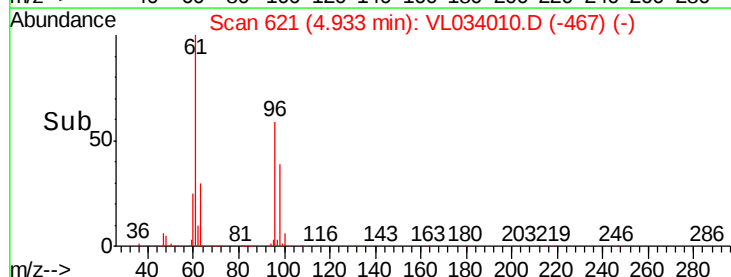
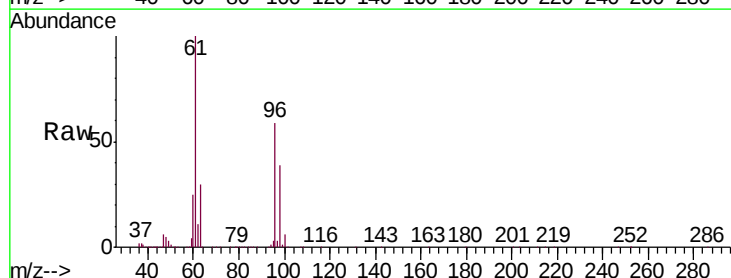
Tgt Ion: 96 Resp: 758364

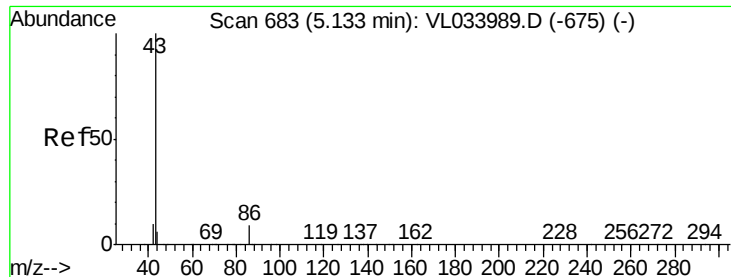
Ion Ratio Lower Upper

96 100

61 170.9 122.9 184.3

98 66.5 49.6 74.4





#23

Vinyl Acetate

Concen: 10.657 ppbv

RT: 5.12 min Scan# 680

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tgt Ion: 43 Resp: 2045774

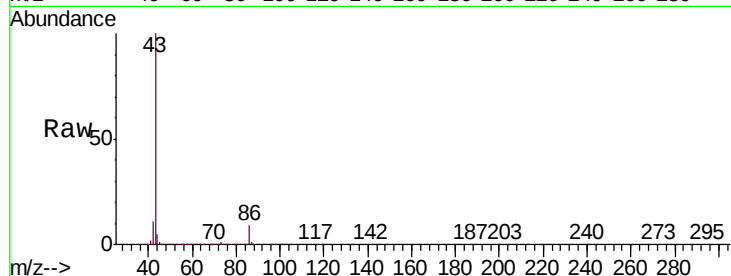
Ion	Ratio	Lower	Upper
43	100		
86	8.7	6.6	9.8
42	11.0	8.3	12.5
44	5.1	4.3	6.5

43 100

86 8.7 6.6 9.8

42 11.0 8.3 12.5

44 5.1 4.3 6.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0

2000000

1500000

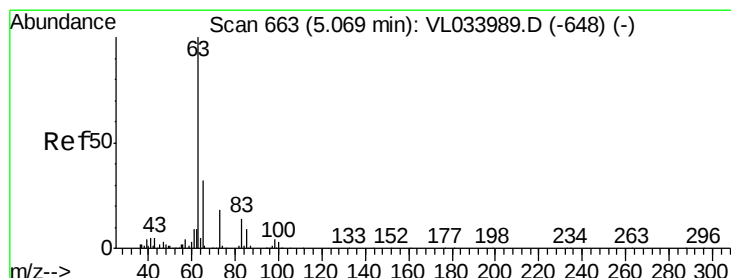
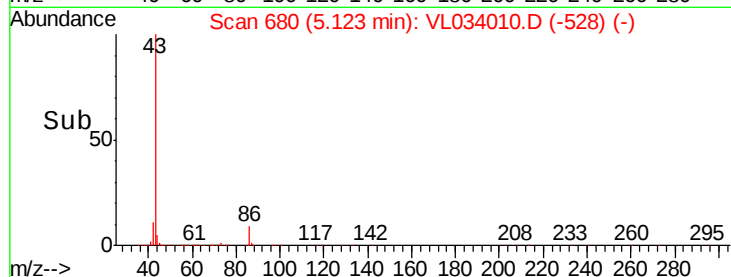
1000000

500000

0

5.10 5.15 5.20

Time-->



#24

1,1-Dichloroethane

Concen: 9.622 ppbv

RT: 5.06 min Scan# 661

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

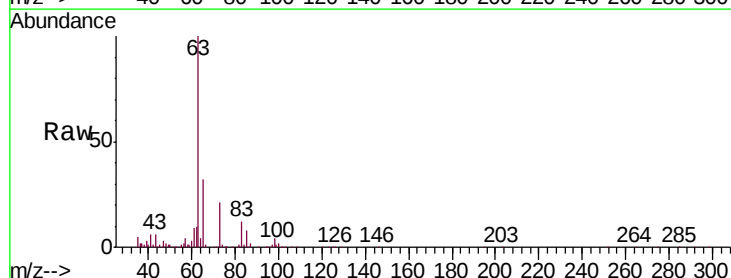
Tgt Ion: 63 Resp: 1637127

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.2	6.6
100	2.4	1.4	4.2

63 100

98 4.3 2.2 6.6

100 2.4 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

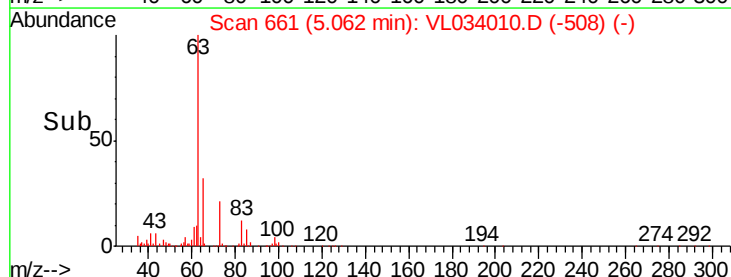
1000000

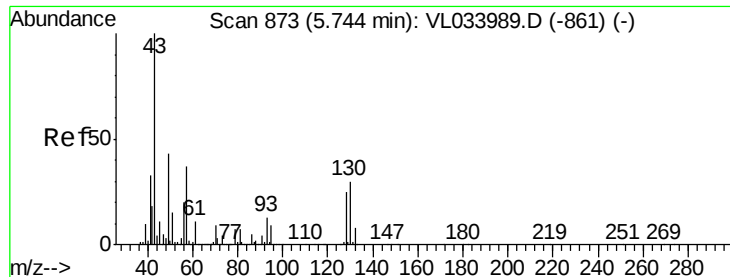
500000

0

5.00 5.05 5.10

Time-->



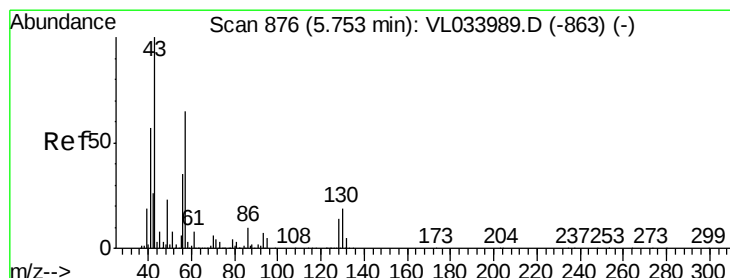
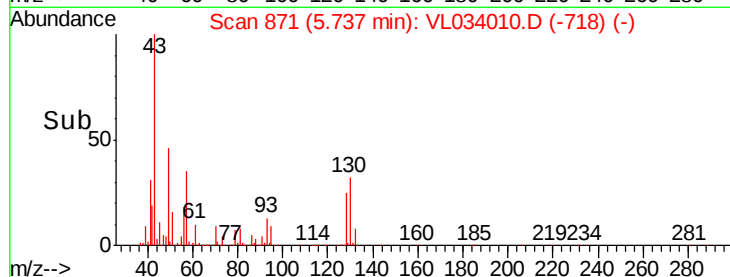
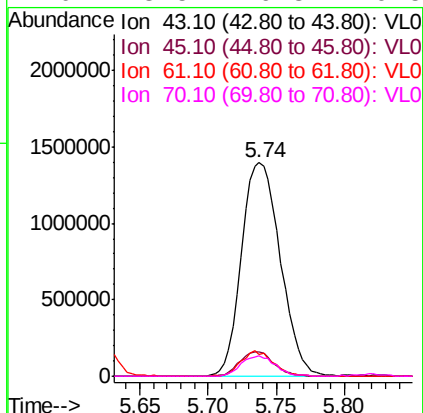
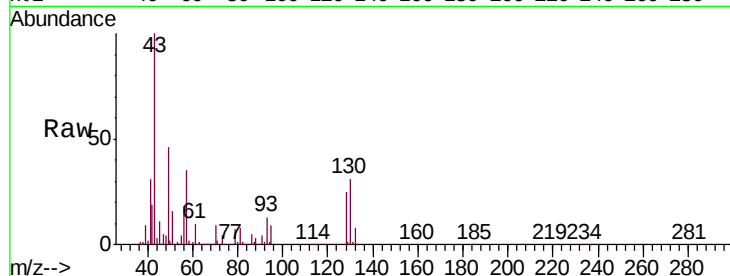


#25
Ethyl Acetate
Concen: 10.510 ppbv
RT: 5.74 min Scan# 871
Delta R.T. -0.01 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tgt Ion: 43 Resp: 2764804

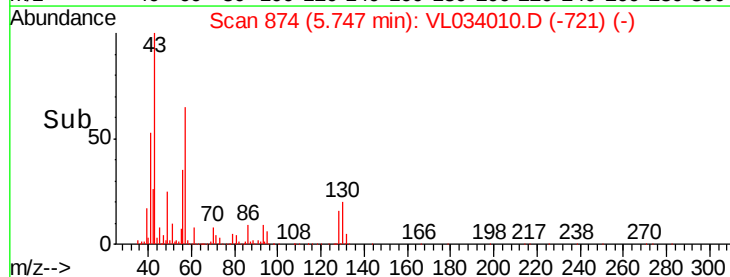
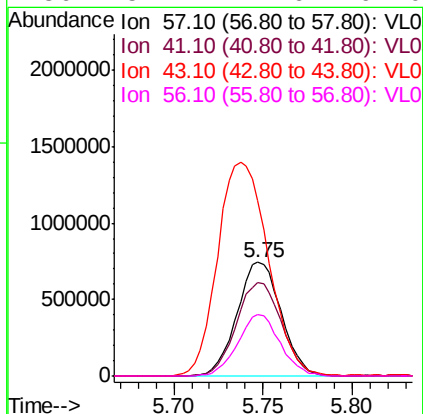
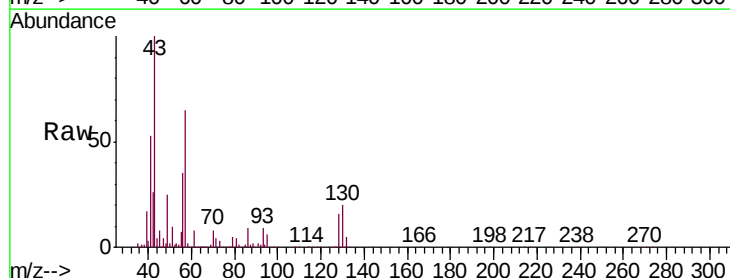
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	9.8	8.1	12.1
70	8.5	6.3	9.5

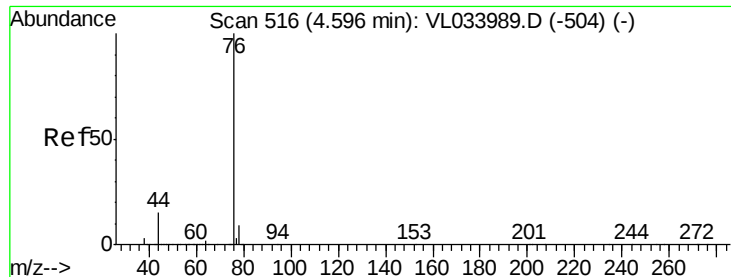


#26
Hexane
Concen: 10.673 ppbv
RT: 5.75 min Scan# 874
Delta R.T. -0.01 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Tgt Ion: 57 Resp: 1284838

Ion	Ratio	Lower	Upper
57	100		
41	84.9	70.6	105.8
43	215.2	177.6	266.4
56	52.1	42.6	64.0





#27

Carbon Disulfide

Concen: 9.585 ppbv

RT: 4.59 min Scan# 514

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

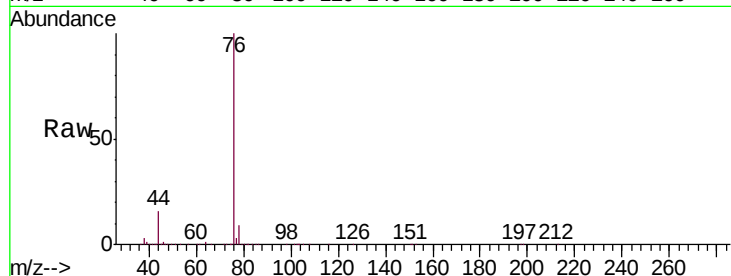
Tgt Ion: 76 Resp: 1961600

Ion Ratio Lower Upper

76 100

44 16.2 12.6 18.8

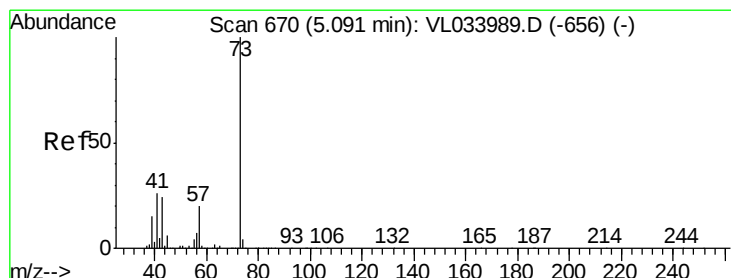
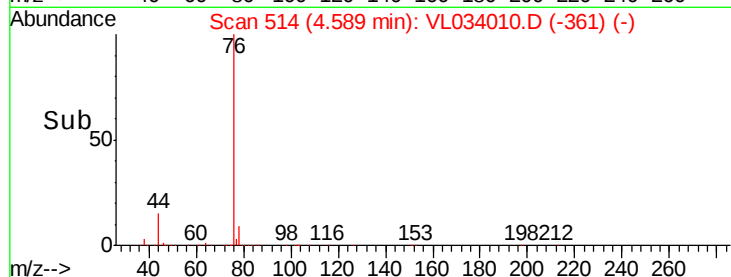
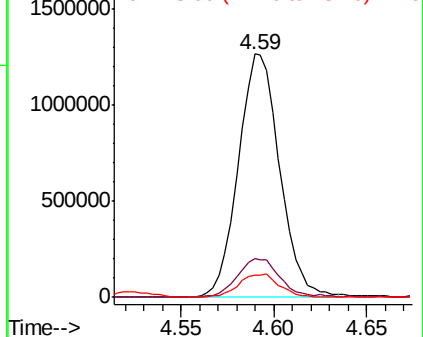
78 9.2 7.2 10.8



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: 10.469 ppbv

RT: 5.08 min Scan# 667

Delta R.T. -0.01 min

Lab File: VL034010.D

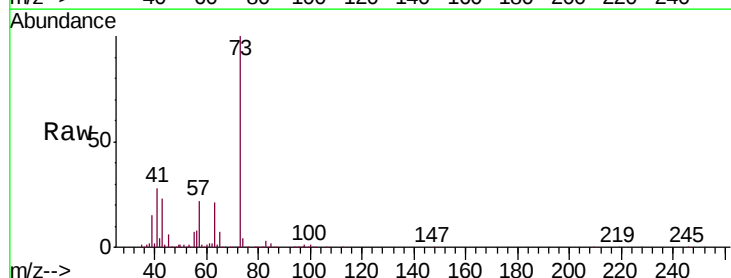
Acq: 8 Jul 2019 13:19

Tgt Ion: 73 Resp: 2134288

Ion Ratio Lower Upper

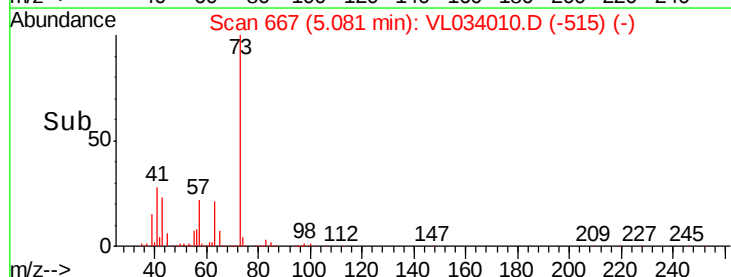
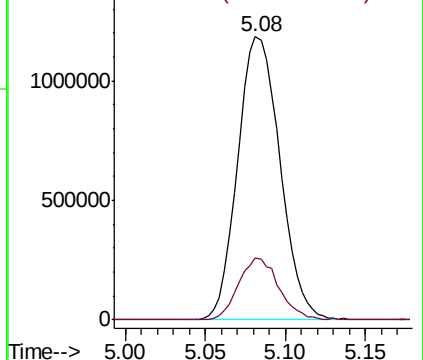
73 100

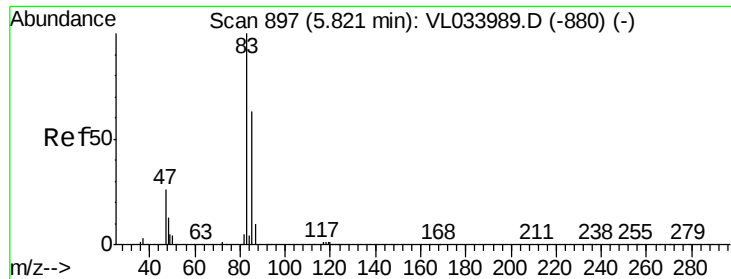
57 21.2 16.9 25.3



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.649 ppbv

RT: 5.82 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

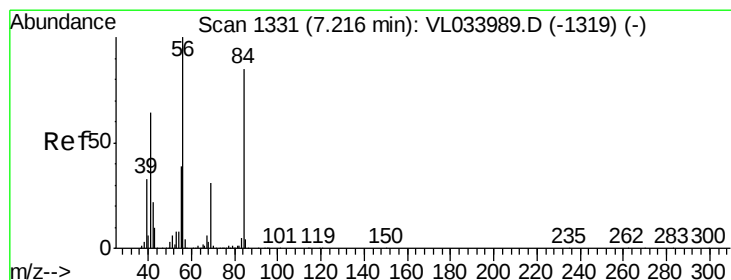
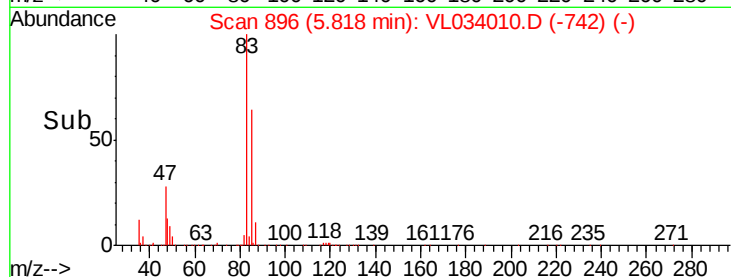
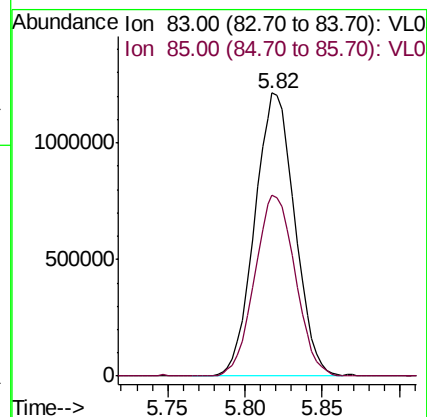
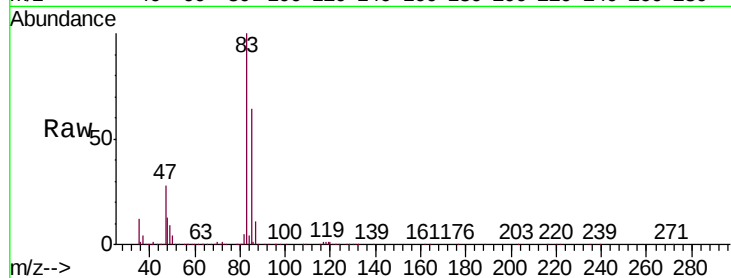
VL0708ABS01

Tgt Ion: 83 Resp: 2182917

Ion Ratio Lower Upper

83 100

85 64.0 50.6 75.8



#30

Cyclohexane

Concen: 11.507 ppbv

RT: 7.21 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

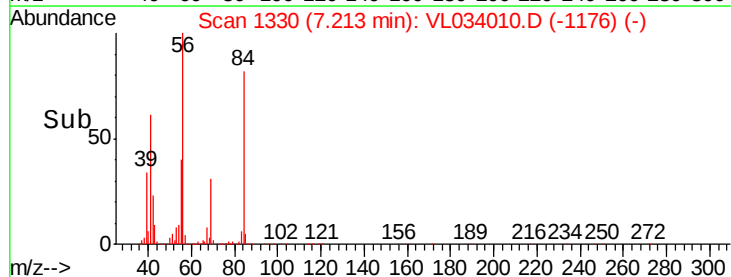
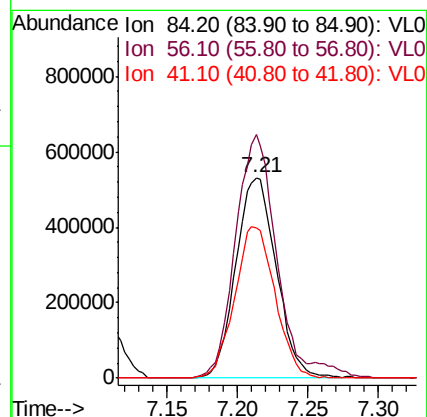
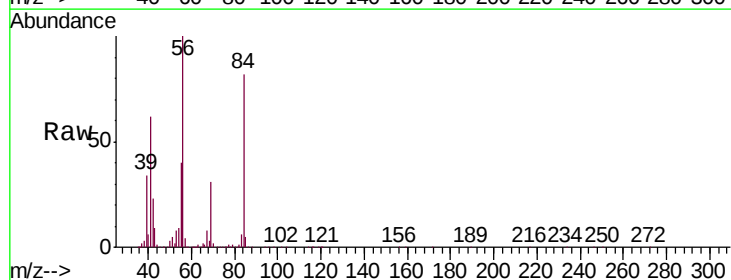
Tgt Ion: 84 Resp: 1069777

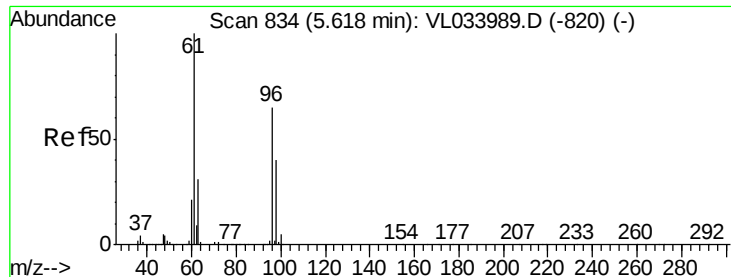
Ion Ratio Lower Upper

84 100

56 124.4 103.7 155.5

41 75.4 62.6 94.0



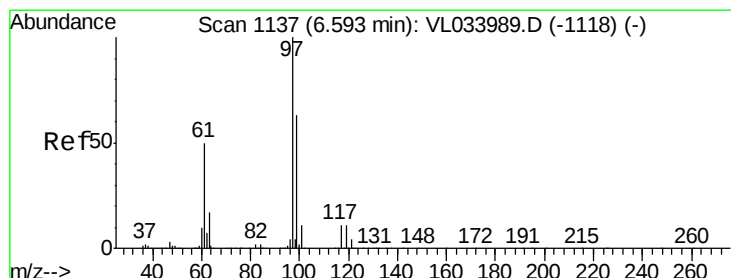
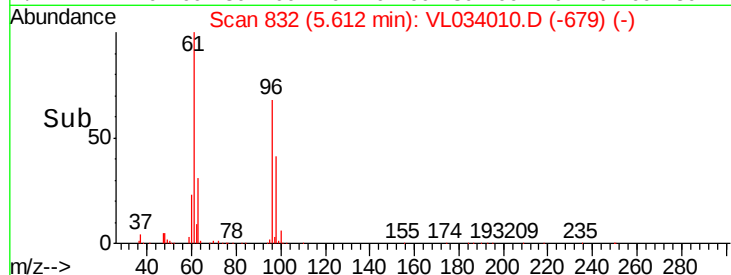
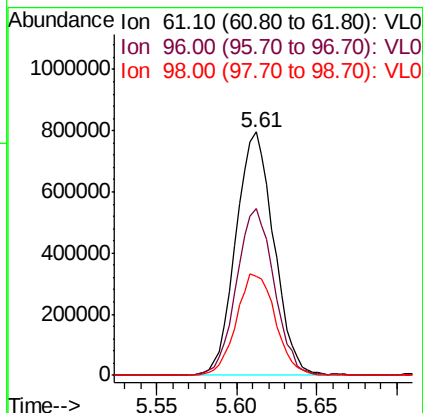
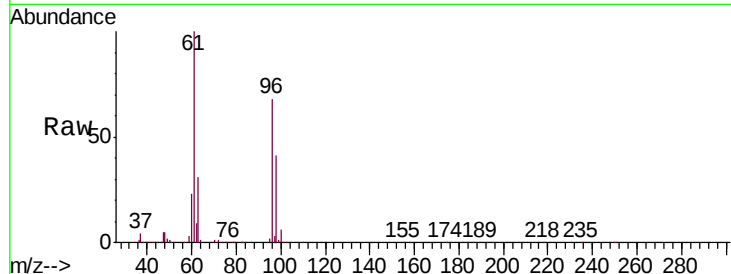


#31

cis-1,2-Dichloroethene
 Concen: 10.997 ppbv
 RT: 5.61 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

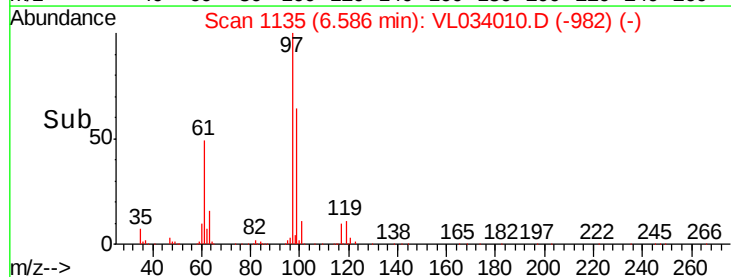
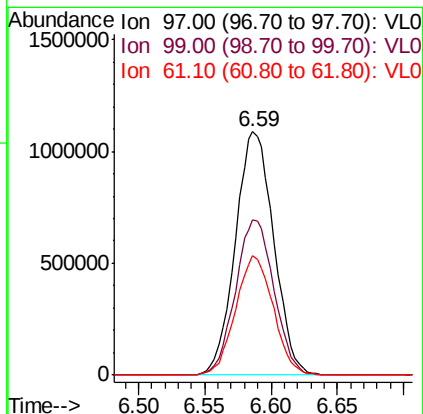
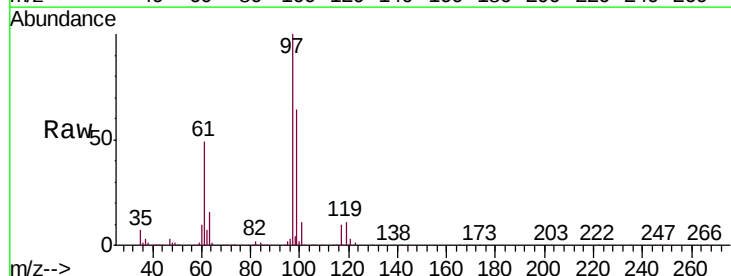
Tgt Ion: 61 Resp: 1279058
 Ion Ratio Lower Upper
 61 100
 96 68.5 51.8 77.6
 98 41.0 32.1 48.1

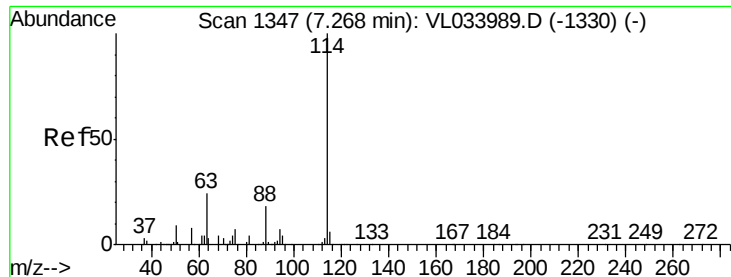


#32

1,1,1-Trichloroethane
 Concen: 9.535 ppbv
 RT: 6.59 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Tgt Ion: 97 Resp: 2186449
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.9 77.9
 61 48.3 39.8 59.8

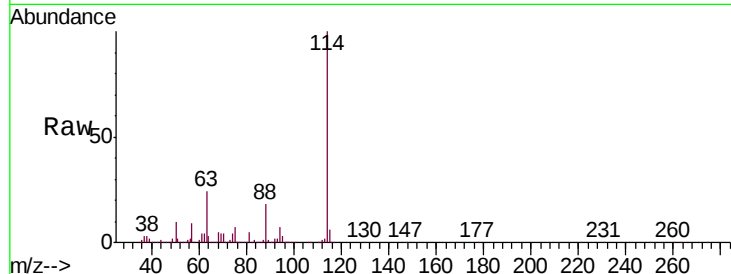




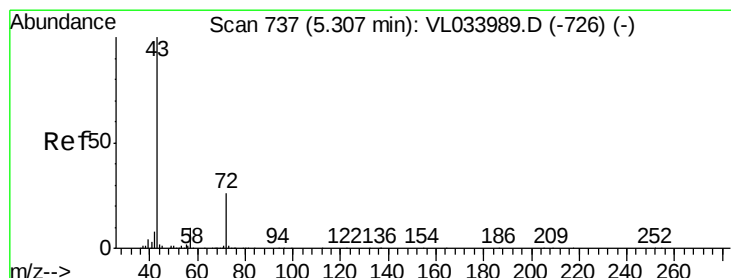
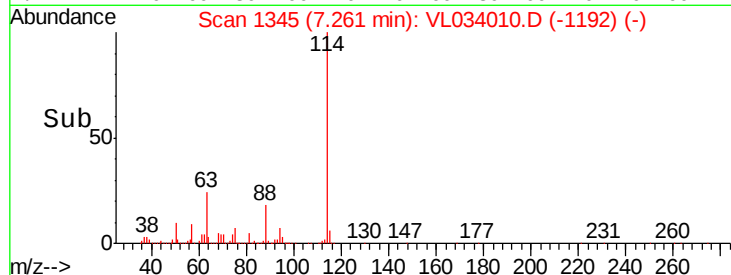
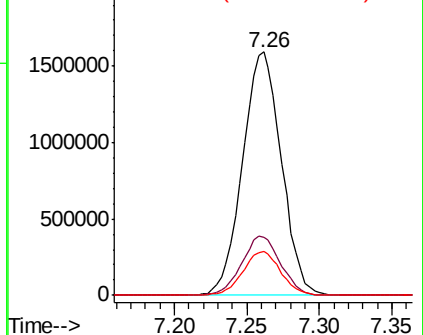
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.26 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Tgt Ion:114 Resp: 2967458
 Ion Ratio Lower Upper
 114 100
 63 24.7 20.2 30.2
 88 17.7 14.1 21.1

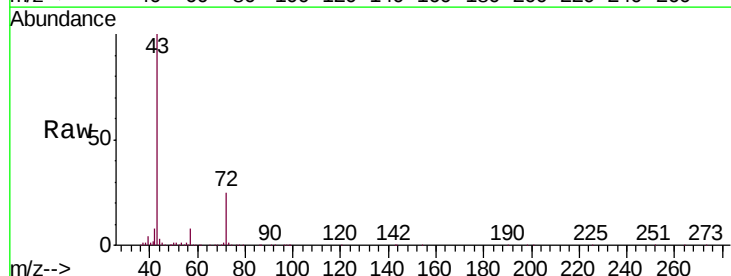


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

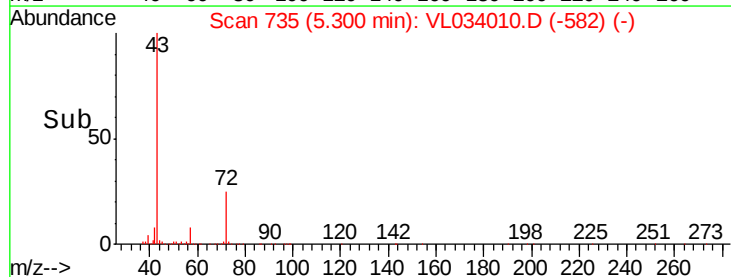
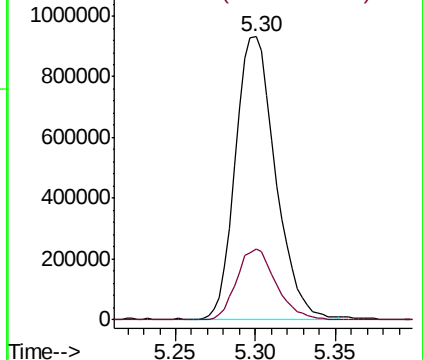


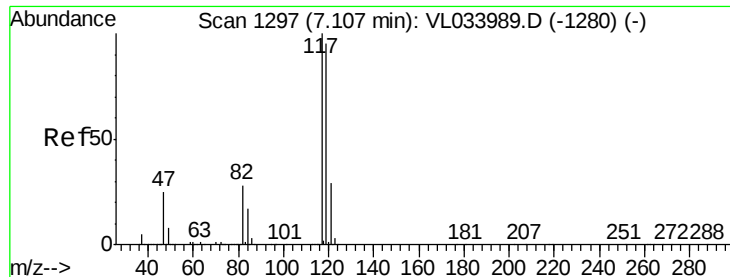
#34
 2-Butanone
 Concen: 10.124 ppbv
 RT: 5.30 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Tgt Ion: 43 Resp: 1589987
 Ion Ratio Lower Upper
 43 100
 72 24.8 19.9 29.9



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





#35

Carbon Tetrachloride

Concen: 9.791 ppbv

RT: 7.10 min Scan# 1295

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

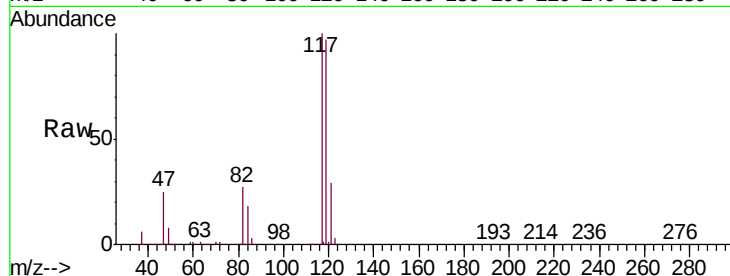
Tgt Ion: 117 Resp: 2300011

Ion Ratio Lower Upper

117 100

119 96.7 75.8 113.6

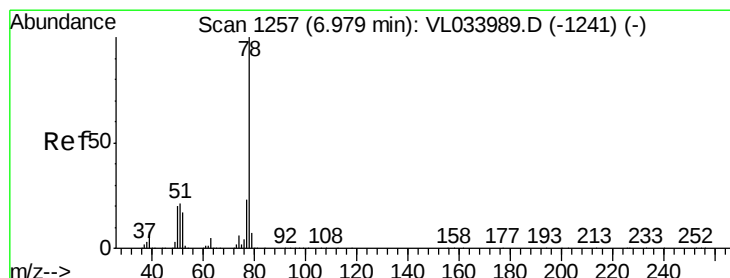
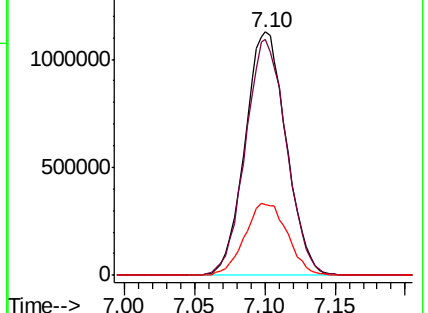
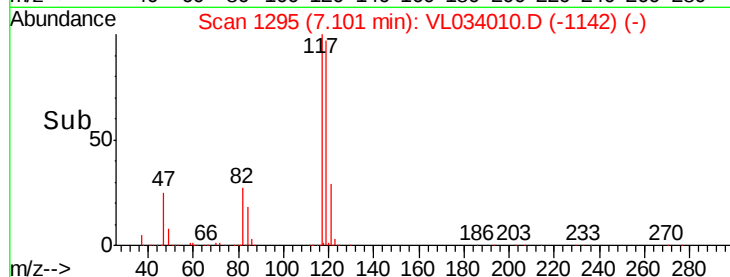
121 29.2 23.4 35.2



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: 10.983 ppbv

RT: 6.97 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

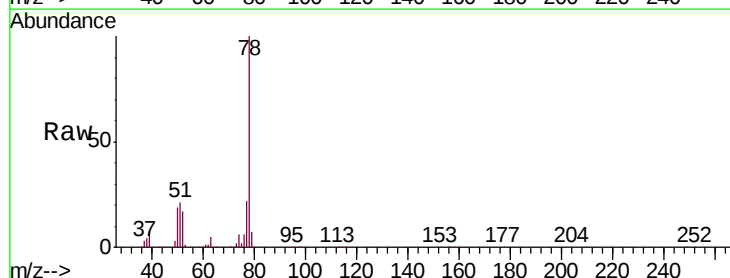
Tgt Ion: 78 Resp: 2550166

Ion Ratio Lower Upper

78 100

77 22.0 18.7 28.1

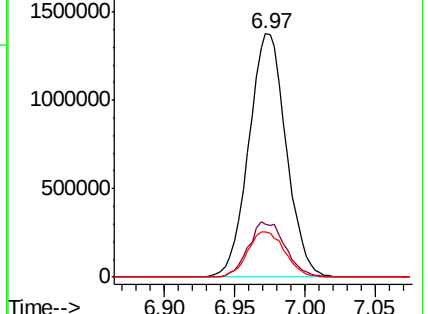
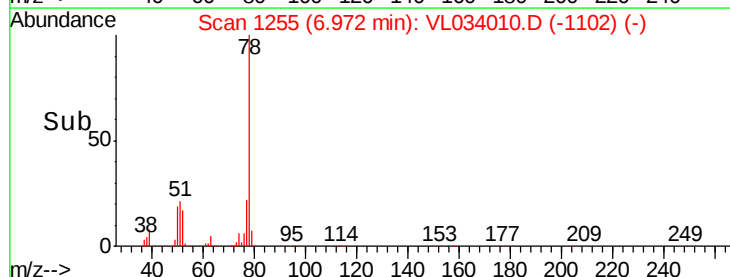
50 18.8 16.2 24.2

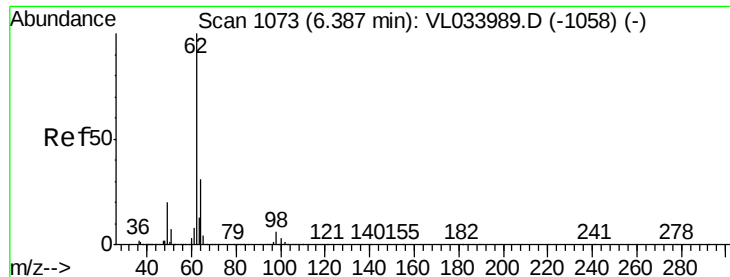


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.920 ppbv

RT: 6.38 min Scan# 1071

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

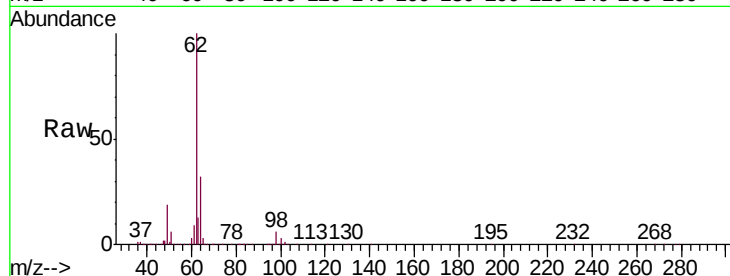
VL0708ABS01

Tgt Ion: 62 Resp: 1696912

Ion Ratio Lower Upper

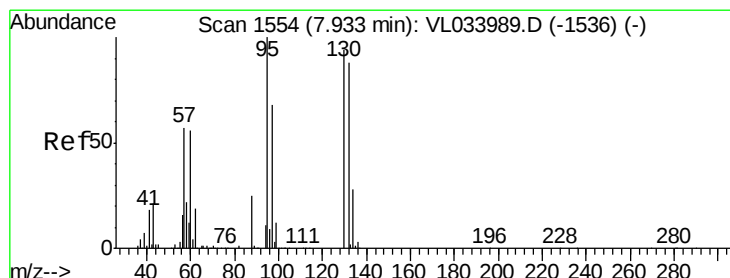
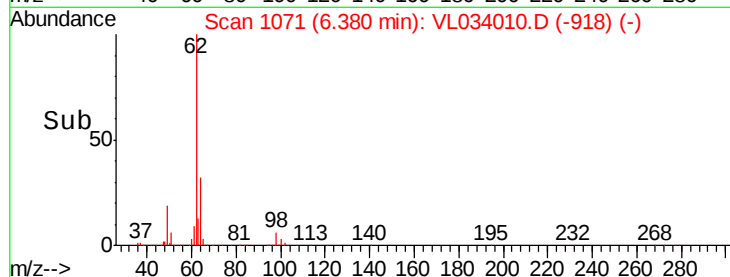
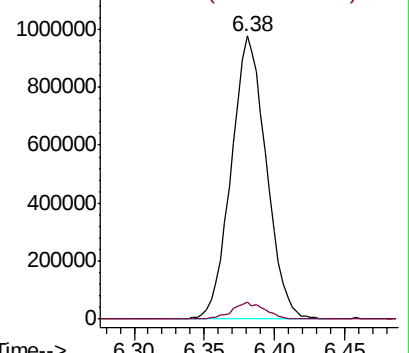
62 100

98 5.6 4.4 6.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 10.723 ppbv

RT: 7.93 min Scan# 1552

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Tgt Ion: 130 Resp: 1107795

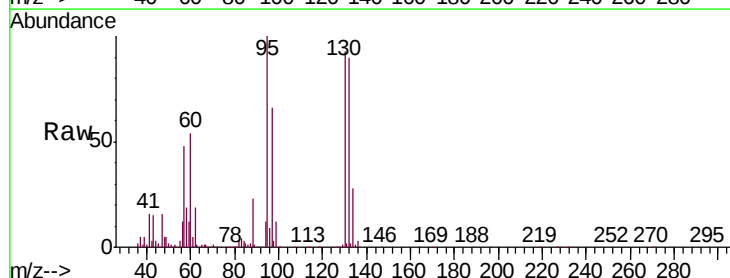
Ion Ratio Lower Upper

130 100

95 107.6 85.5 128.3

132 96.1 75.1 112.7

97 70.7 58.1 87.1

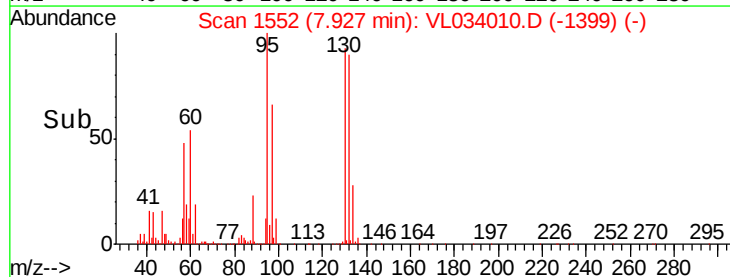
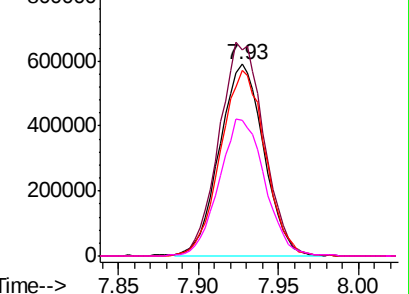


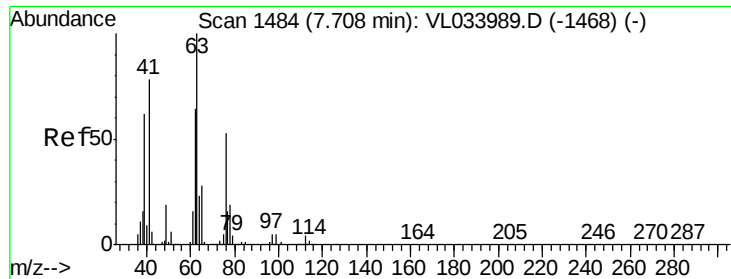
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

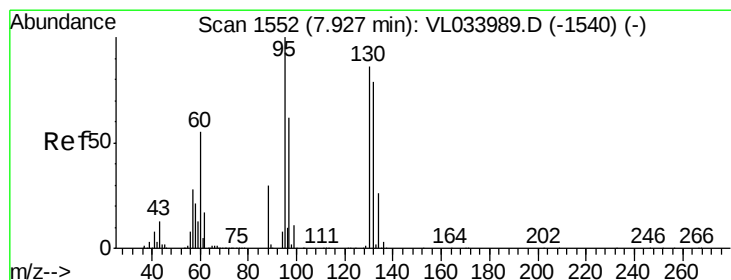
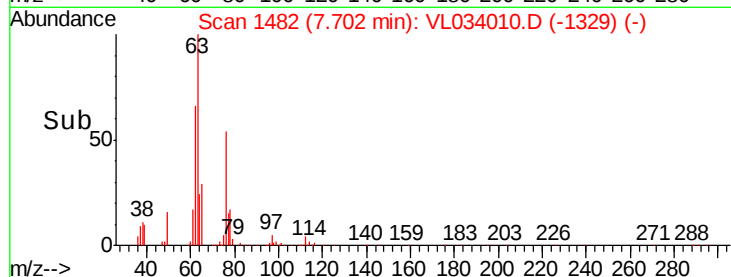
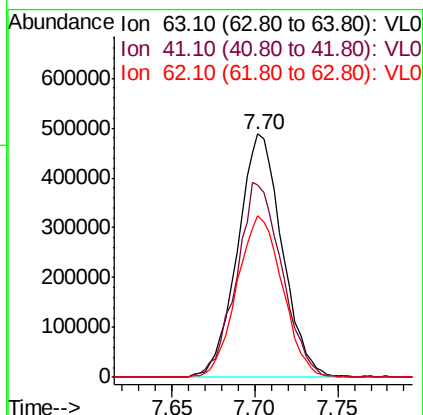
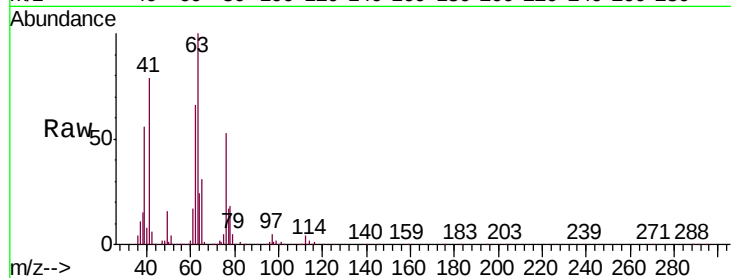




#39
 1,2-Dichloropropane
 Concen: 10.509 ppbv
 RT: 7.70 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

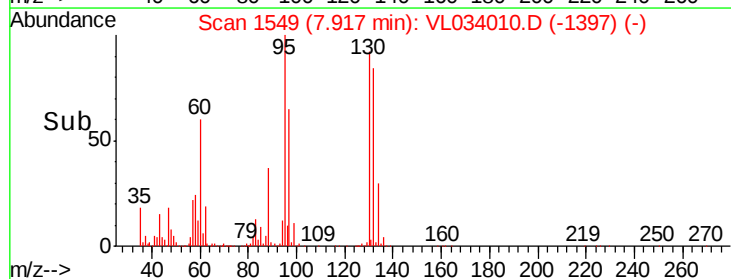
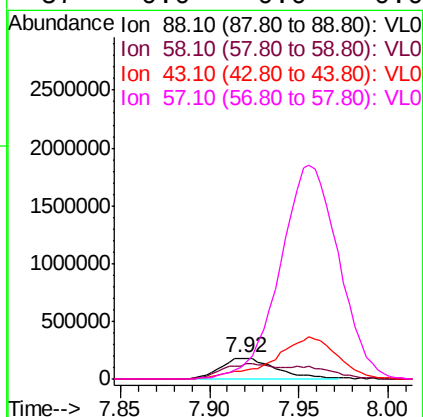
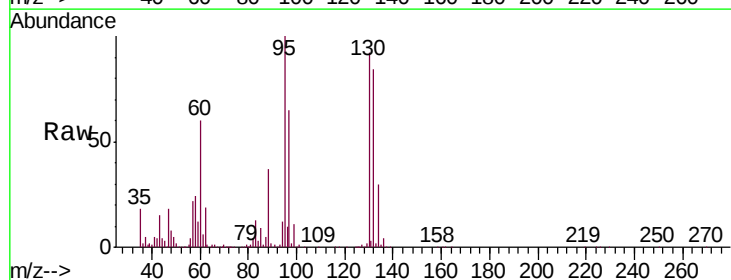
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

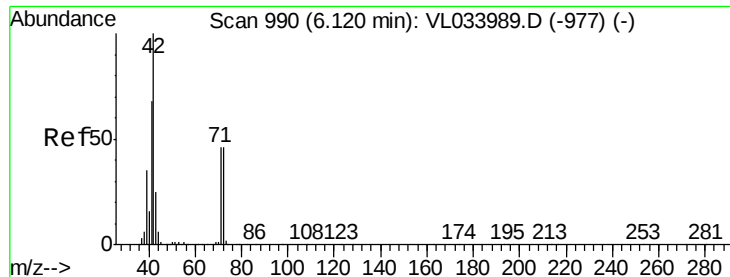
Tgt Ion: 63 Resp: 907399
 Ion Ratio Lower Upper
 63 100
 41 78.6 62.3 93.5
 62 66.3 51.4 77.2



#40
 1,4-Dioxane
 Concen: 9.488 ppbv
 RT: 7.92 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Tgt Ion: 88 Resp: 378212
 Ion Ratio Lower Upper
 88 100
 58 125.6 99.1 148.7
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0

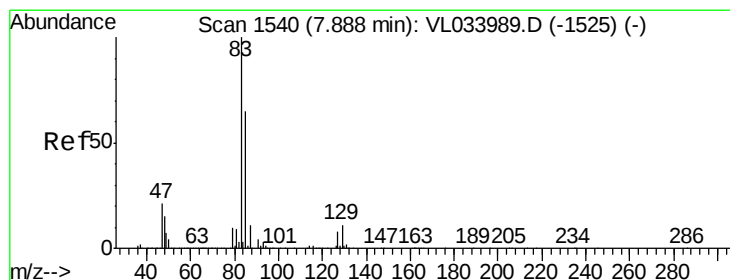
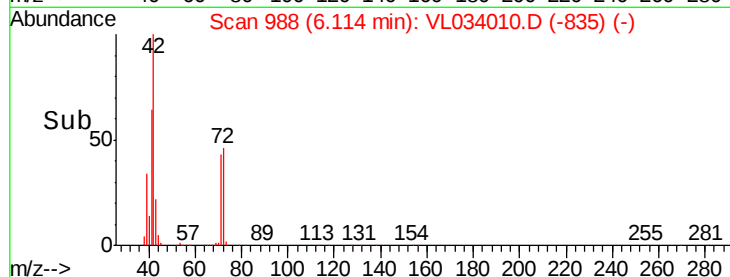
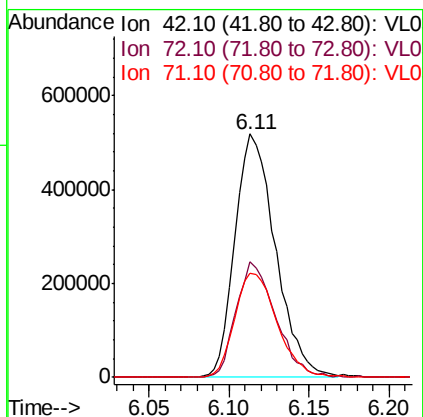
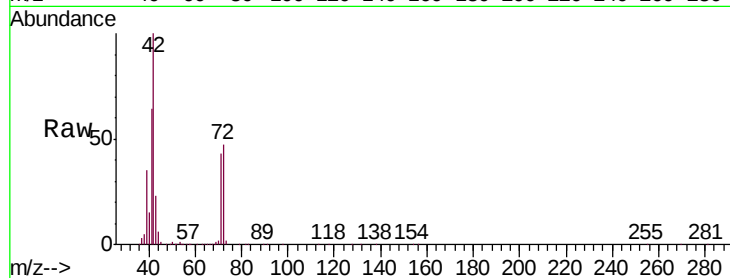




#41
Tetrahydrofuran
Concen: 11.631 ppbv
RT: 6.11 min Scan# 988
Delta R.T. -0.01 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

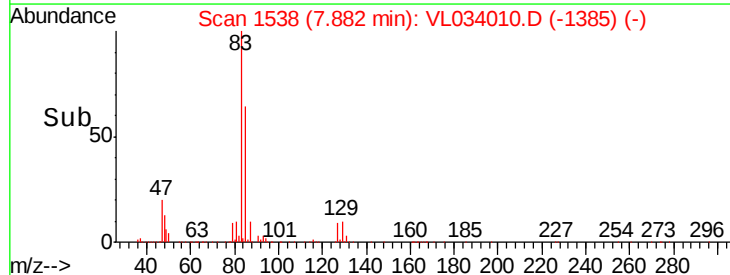
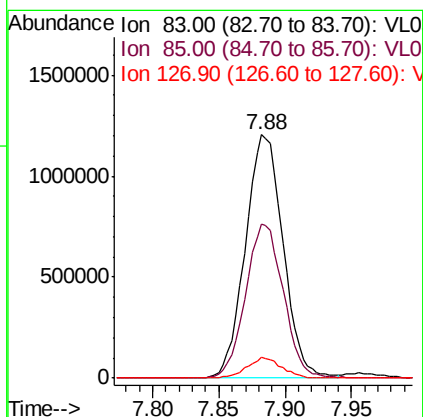
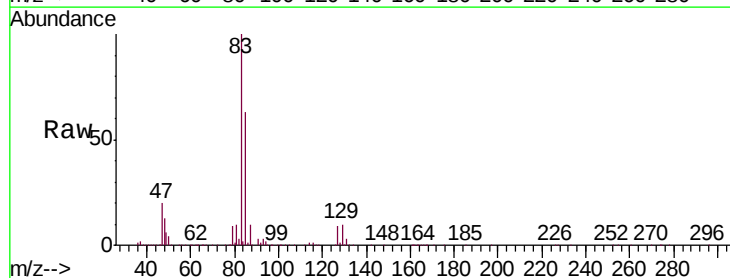
Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

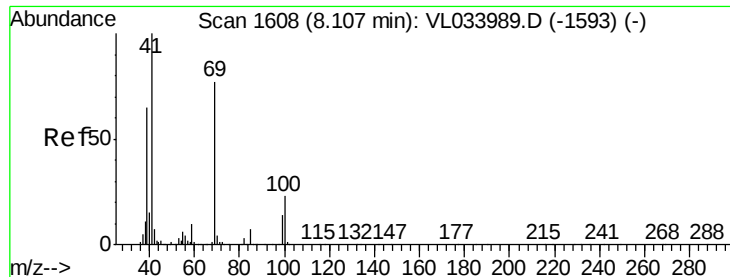
Tgt Ion: 42 Resp: 895795
Ion Ratio Lower Upper
42 100
72 46.3 37.3 55.9
71 44.9 36.2 54.2



#42
Bromodichloromethane
Concen: 10.419 ppbv
RT: 7.88 min Scan# 1538
Delta R.T. -0.01 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Tgt Ion: 83 Resp: 2391442
Ion Ratio Lower Upper
83 100
85 63.5 51.8 77.8
127 8.7 6.5 9.7

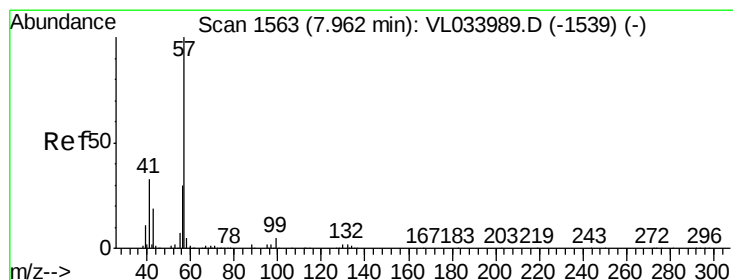
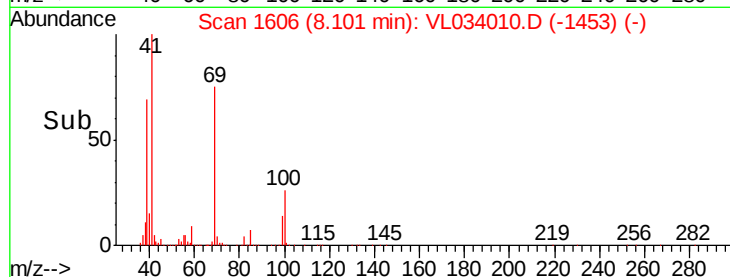
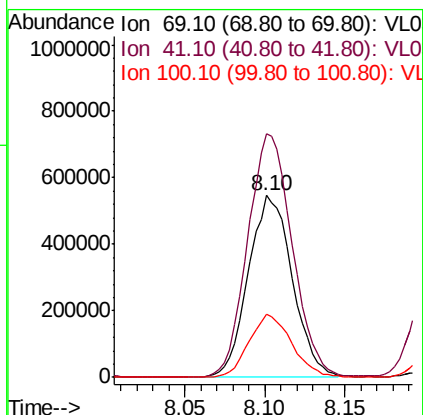
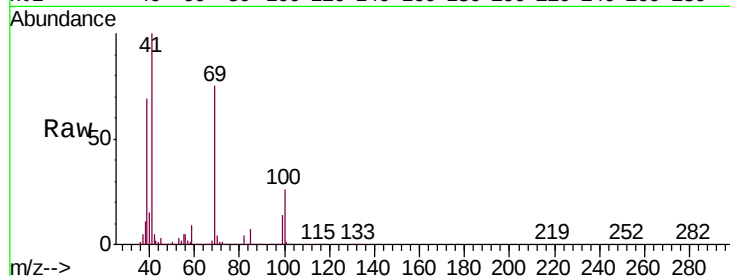




#43
Methyl Methacrylate
Concen: 11.714 ppbv
RT: 8.10 min Scan# 1606
Delta R.T. -0.01 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

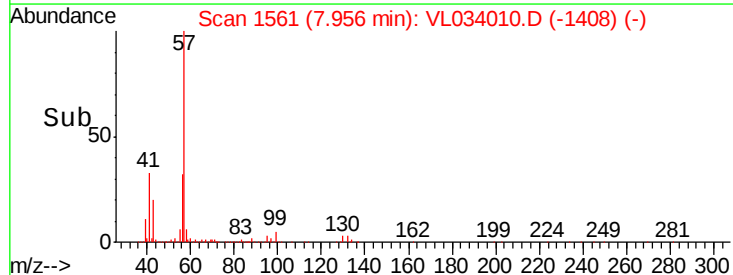
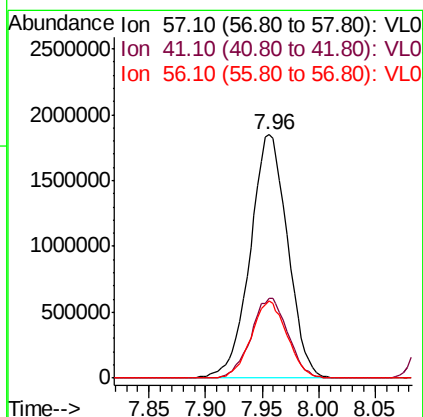
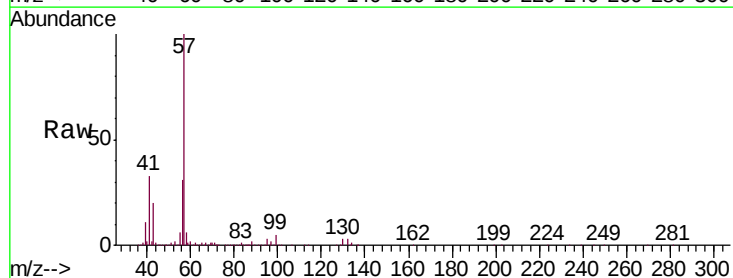
Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

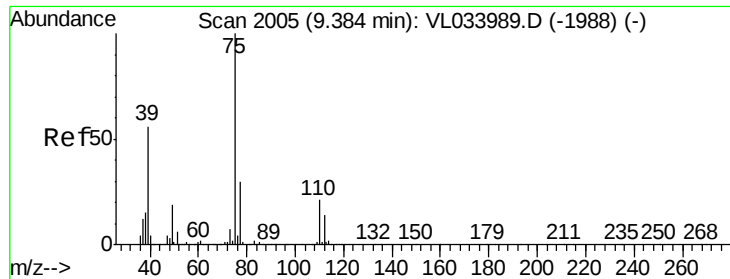
Tgt Ion: 69 Resp: 1032026
Ion Ratio Lower Upper
69 100
41 135.6 109.1 163.7
100 33.6 25.3 37.9



#44
2,2,4-Trimethylpentane
Concen: 10.581 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Tgt Ion: 57 Resp: 4240894
Ion Ratio Lower Upper
57 100
41 32.5 26.1 39.1
56 30.5 24.4 36.6





#45

t-1,3-Dichloropropene

Concen: 12.725 ppbv

RT: 9.38 min Scan# 2004

Delta R.T. -0.00 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

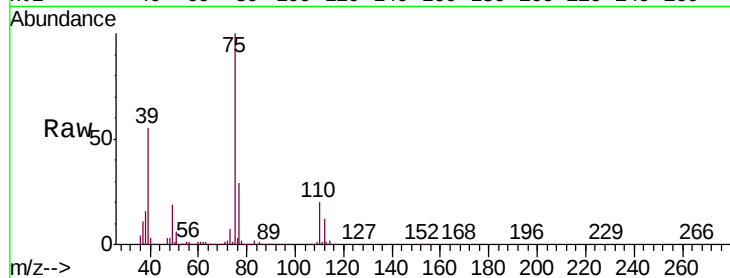
VL0708ABS01

Tgt Ion: 75 Resp: 1465968

Ion Ratio Lower Upper

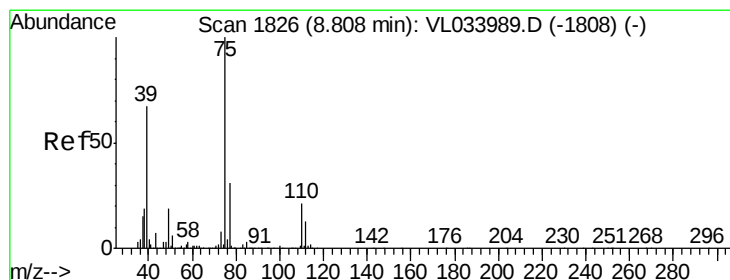
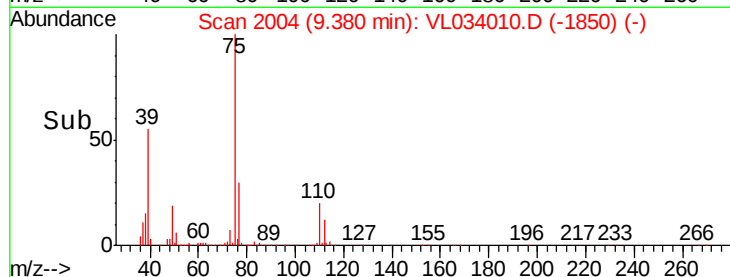
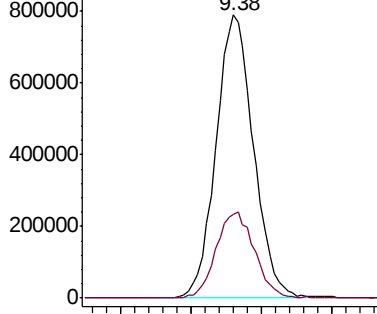
75 100

77 29.5 24.3 36.5



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 11.994 ppbv

RT: 8.80 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

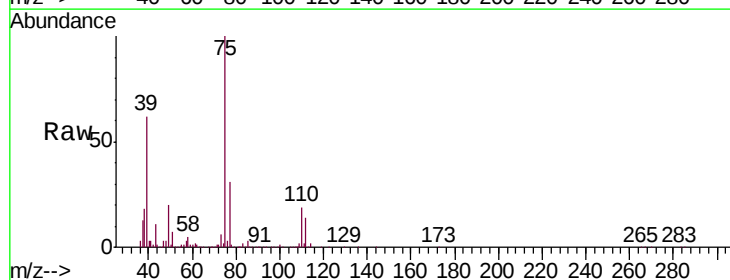
Tgt Ion: 75 Resp: 1600271

Ion Ratio Lower Upper

75 100

39 62.3 53.8 80.6

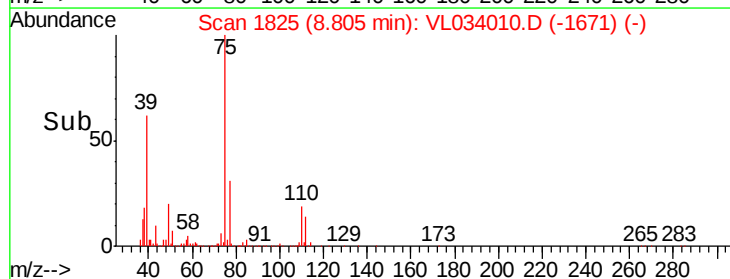
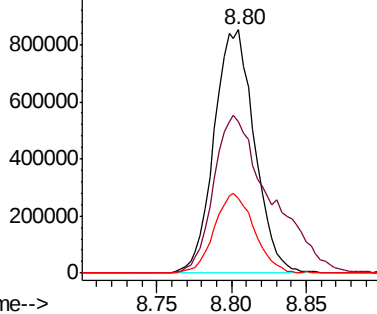
77 30.9 24.5 36.7

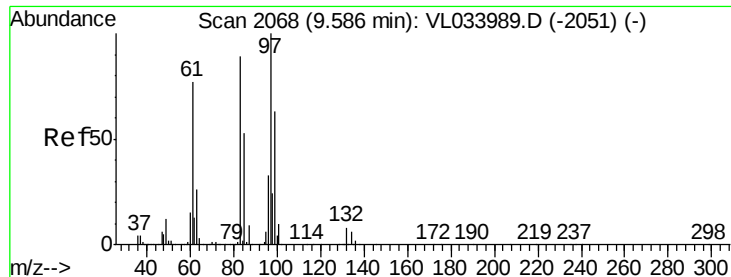


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

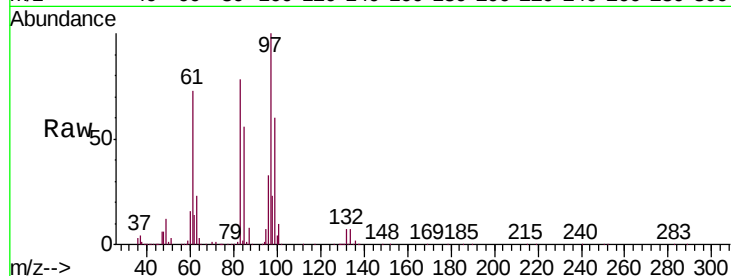




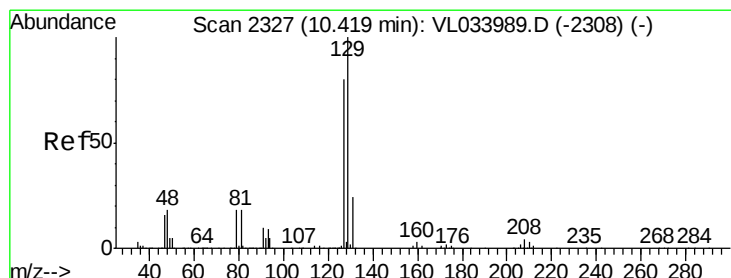
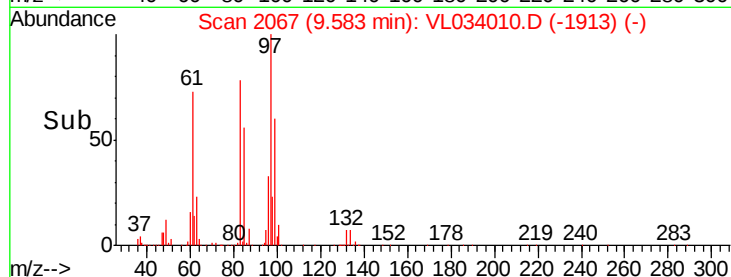
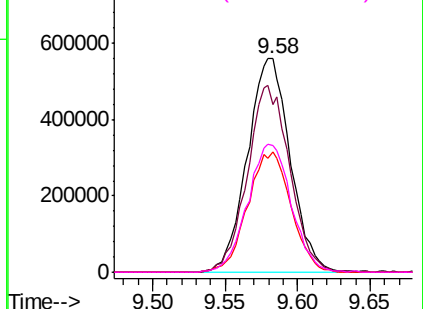
#47
 1,1,2-Trichloroethane
 Concen: 10.580 ppbv
 RT: 9.58 min Scan# 2067
 Delta R.T. -0.00 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Tgt Ion: 97 Resp: 1148508
 Ion Ratio Lower Upper
 97 100
 83 78.1 71.1 106.7
 85 56.2 42.6 64.0
 99 59.5 50.3 75.5

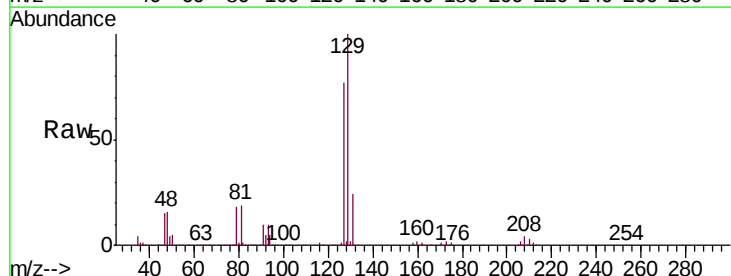


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

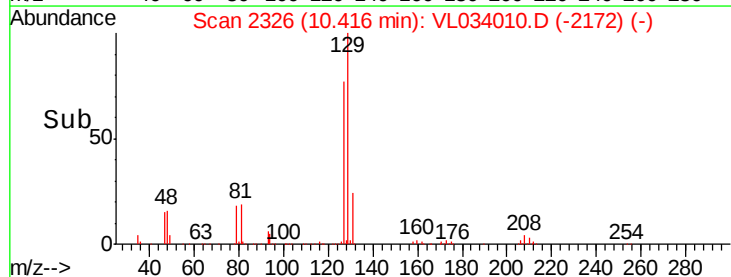
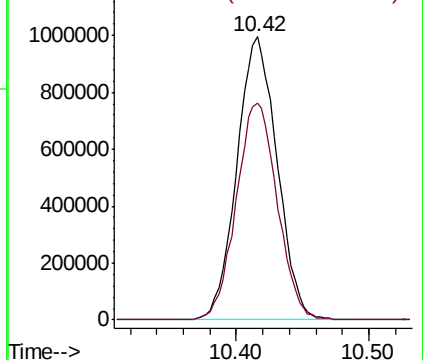


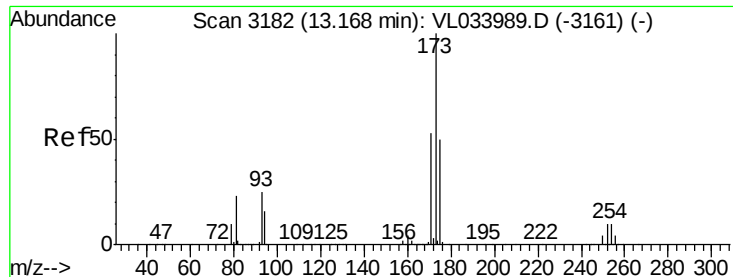
#48
 Dibromochloromethane
 Concen: 10.104 ppbv
 RT: 10.42 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Tgt Ion: 129 Resp: 2092944
 Ion Ratio Lower Upper
 129 100
 127 78.5 39.1 117.3



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





#49

Bromoform

Concen: 11.021 ppbv

RT: 13.16 min Scan# 3180

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

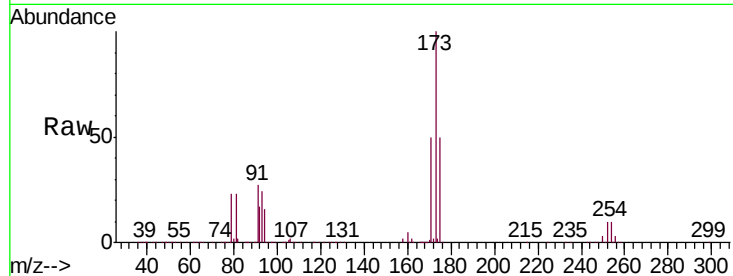
Tgt Ion:173 Resp: 1950336

Ion Ratio Lower Upper

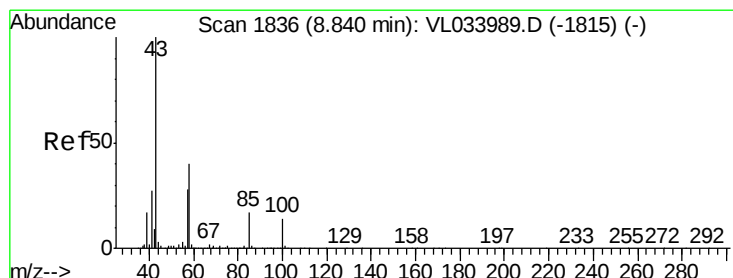
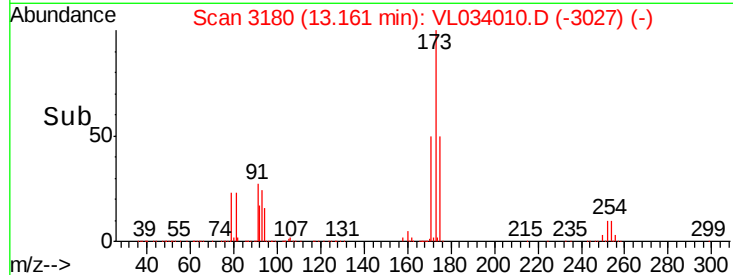
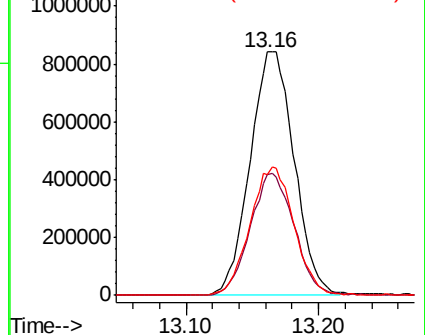
173 100

175 49.9 39.3 58.9

171 52.6 41.4 62.0



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: 10.816 ppbv

RT: 8.83 min Scan# 1834

Delta R.T. -0.01 min

Lab File: VL034010.D

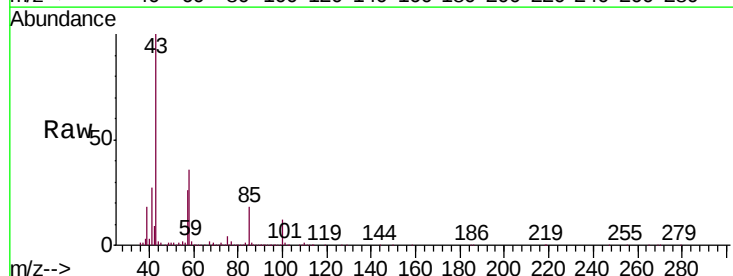
Acq: 8 Jul 2019 13:19

Tgt Ion: 43 Resp: 2520677

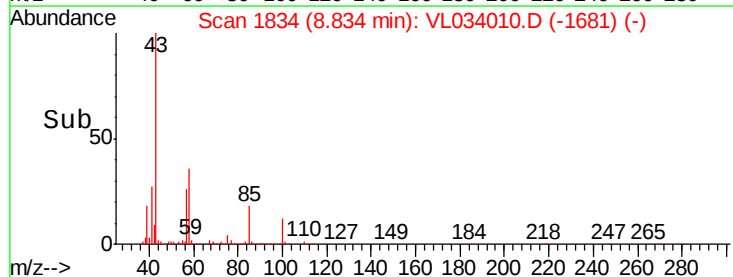
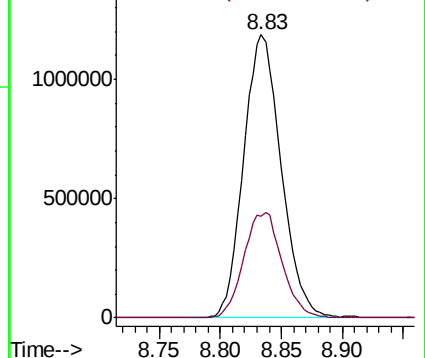
Ion Ratio Lower Upper

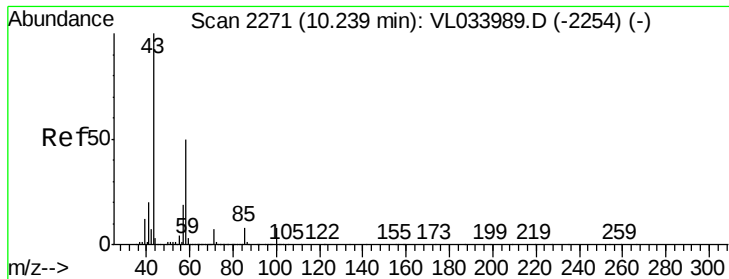
43 100

58 38.2 30.3 45.5



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

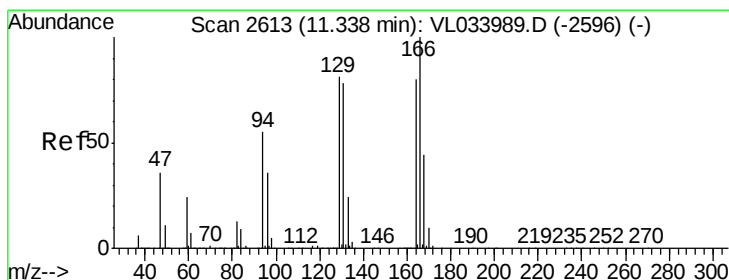
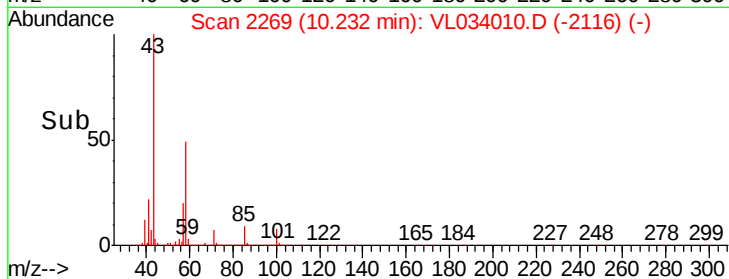
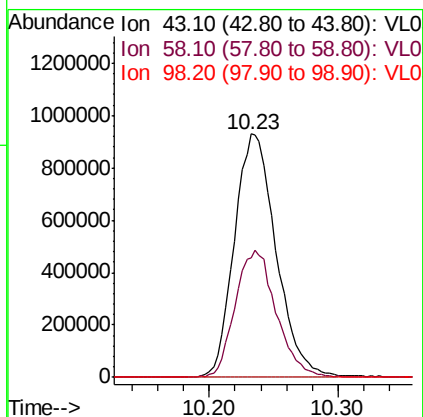
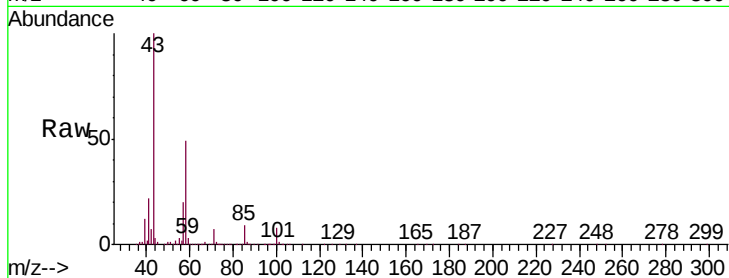




#51
2-Hexanone
Concen: 11.115 ppbv
RT: 10.23 min Scan# 2269
Delta R.T. -0.01 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

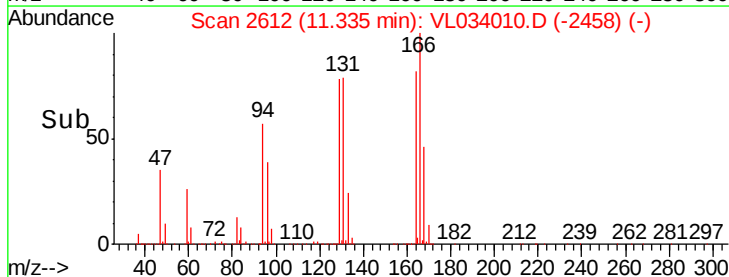
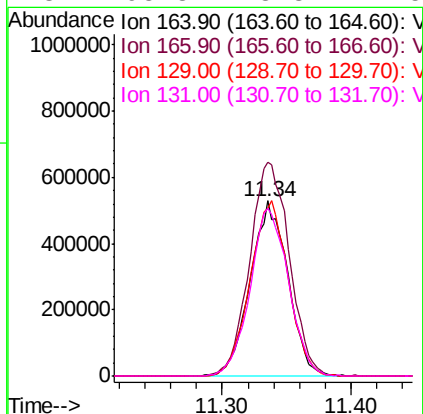
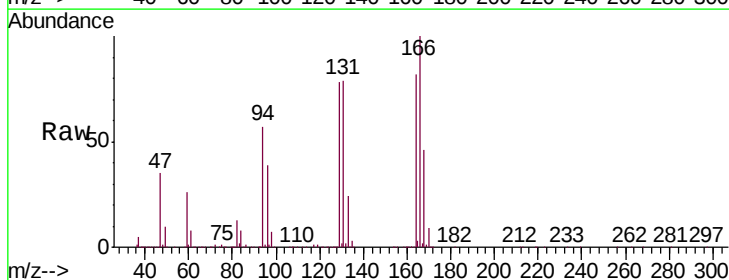
Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

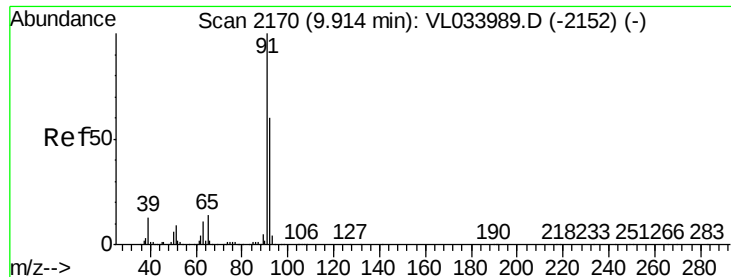
Tgt Ion: 43 Resp: 2089065
Ion Ratio Lower Upper
43 100
58 51.4 41.0 61.4
98 0.5 0.2 0.2#



#52
Tetrachloroethene
Concen: 10.740 ppbv
RT: 11.34 min Scan# 2612
Delta R.T. -0.00 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Tgt Ion: 164 Resp: 1073273
Ion Ratio Lower Upper
164 100
166 122.0 100.2 150.2
129 95.6 81.0 121.6
131 95.8 78.3 117.5





#53

Toluene

Concen: 12.013 ppbv

RT: 9.91 min Scan# 2169

Delta R.T. -0.00 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

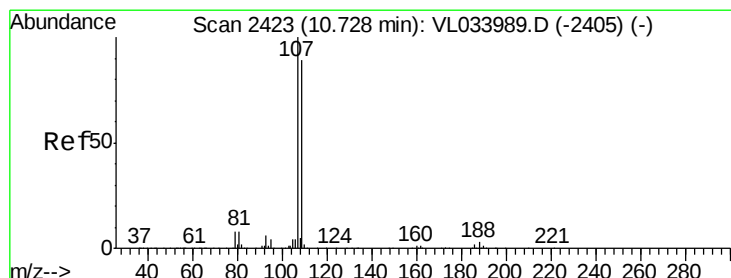
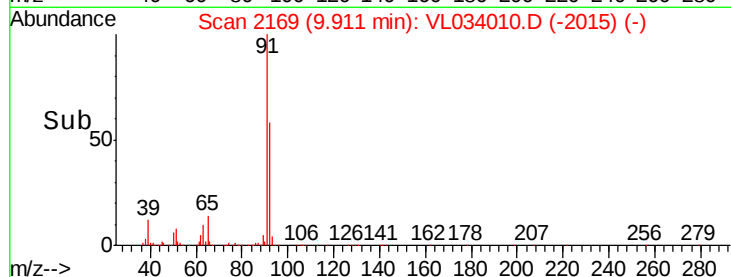
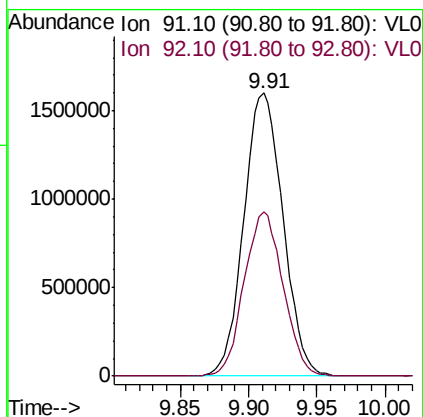
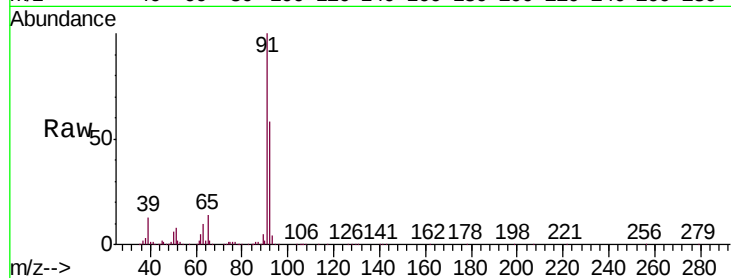
VL0708ABS01

Tgt Ion: 91 Resp: 3192844

Ion Ratio Lower Upper

91 100

92 58.0 47.7 71.5



#54

1,2-Dibromoethane

Concen: 10.952 ppbv

RT: 10.72 min Scan# 2421

Delta R.T. -0.01 min

Lab File: VL034010.D

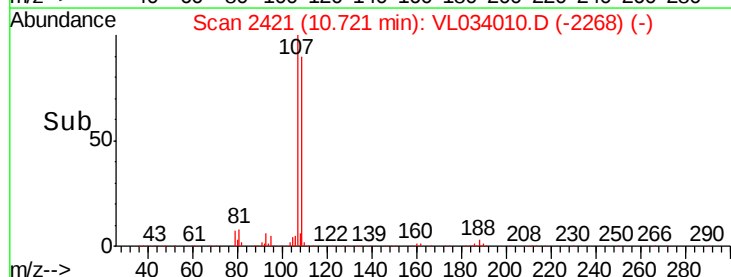
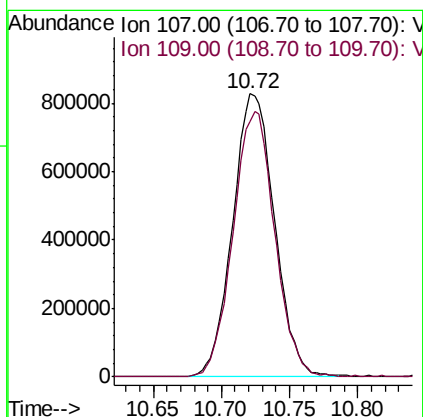
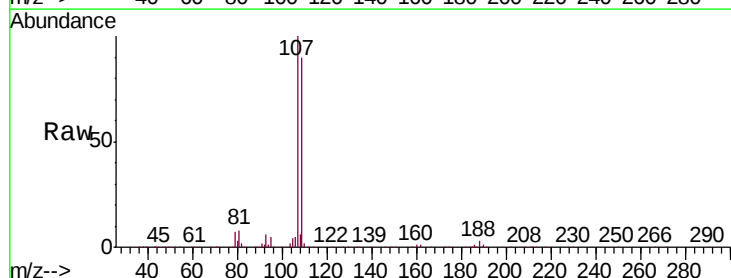
Acq: 8 Jul 2019 13:19

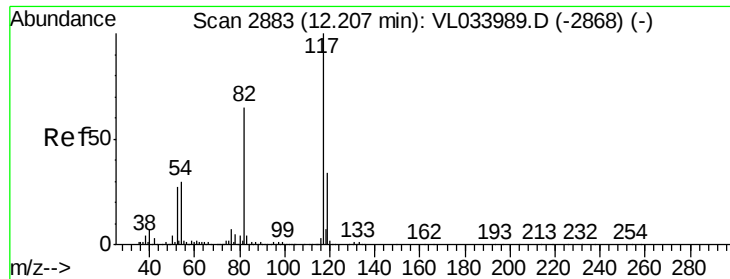
Tgt Ion: 107 Resp: 1754592

Ion Ratio Lower Upper

107 100

109 90.0 71.5 107.3

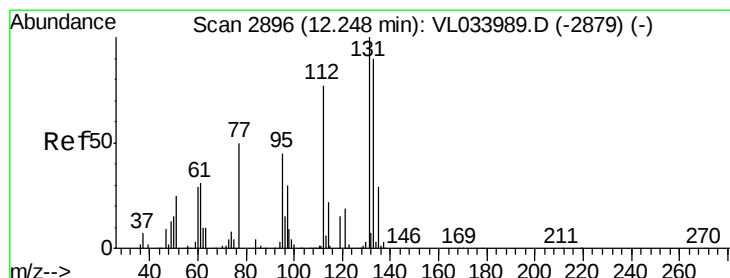
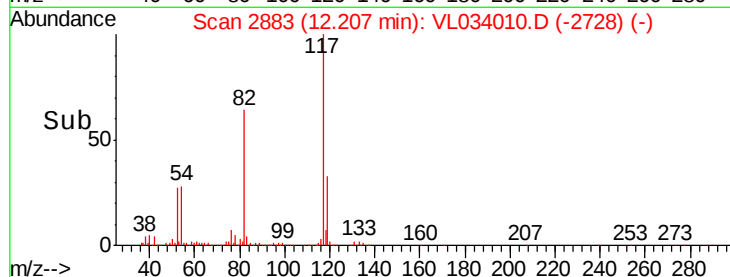
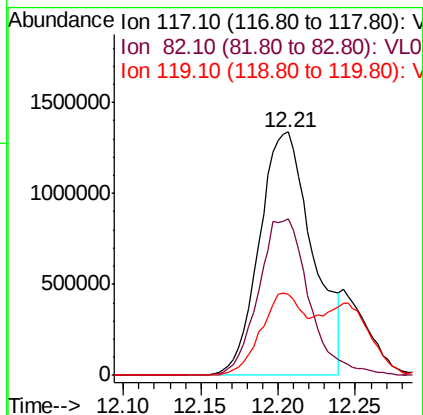
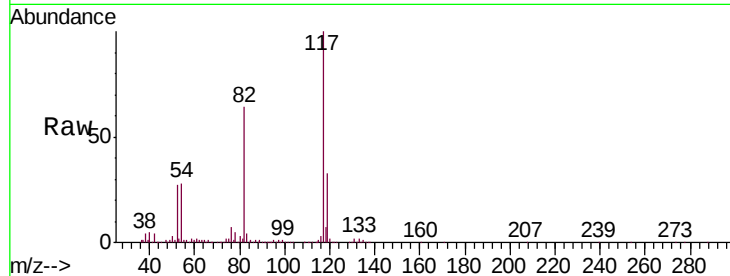




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.21 min Scan# 2883
Delta R.T. -0.00 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

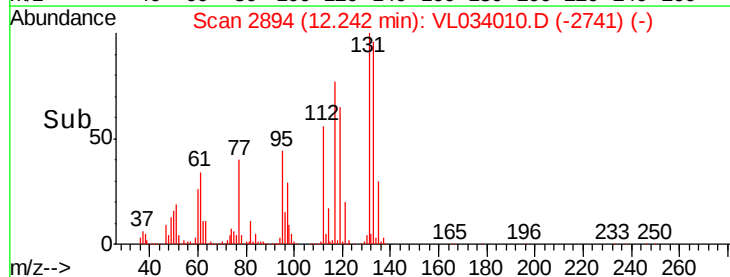
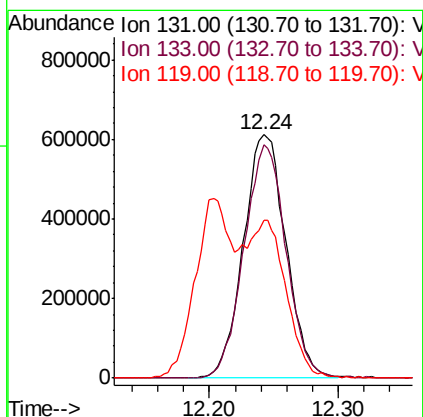
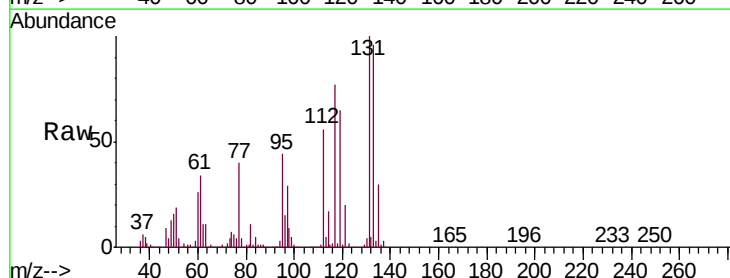
Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

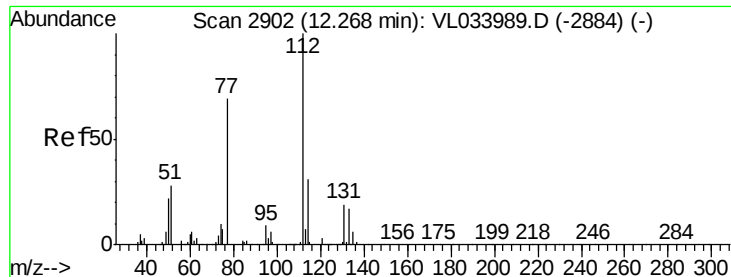
Tgt Ion:117 Resp: 3202686
Ion Ratio Lower Upper
117 100
82 61.6 50.8 76.2
119 30.8 24.0 36.0



#56
1,1,1,2-Tetrachloroethane
Concen: 9.805 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Tgt Ion:131 Resp: 1403518
Ion Ratio Lower Upper
131 100
133 95.2 76.2 114.2
119 52.8 43.1 64.7





#57

Chlorobenzene

Concen: 9.857 ppbv

RT: 12.26 min Scan# 2901

Delta R.T. -0.00 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

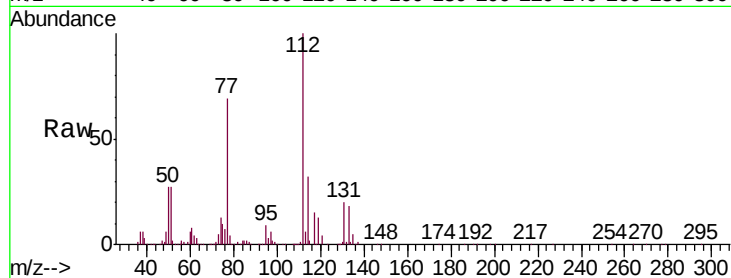
Tgt Ion: 112 Resp: 2513264

Ion Ratio Lower Upper

112 100

77 68.5 55.9 83.9

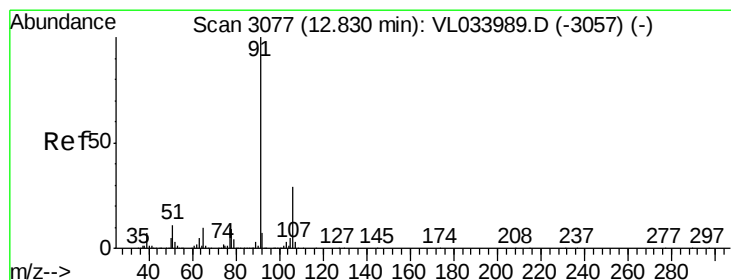
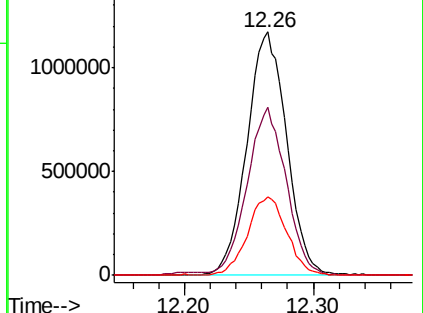
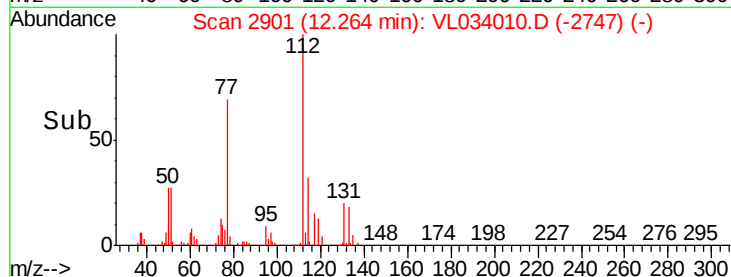
114 32.3 27.6 33.8



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: 11.234 ppbv

RT: 12.83 min Scan# 3076

Delta R.T. -0.00 min

Lab File: VL034010.D

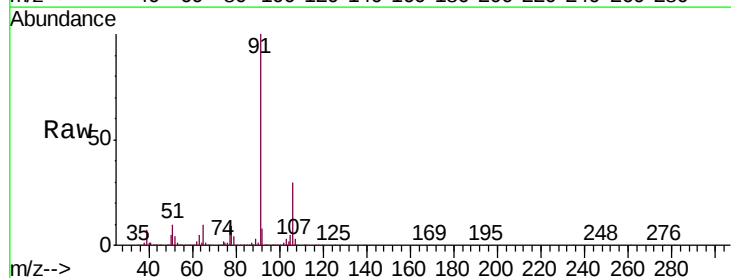
Acq: 8 Jul 2019 13:19

Tgt Ion: 91 Resp: 4326573

Ion Ratio Lower Upper

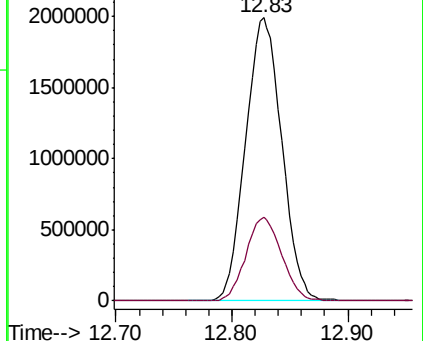
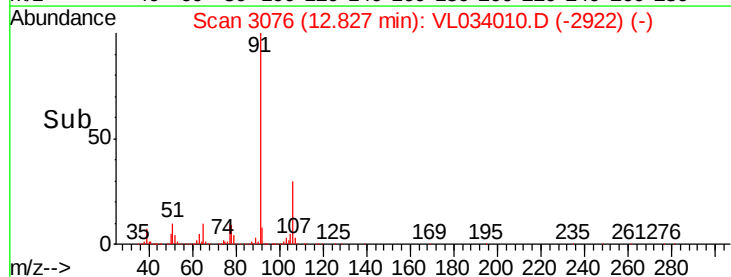
91 100

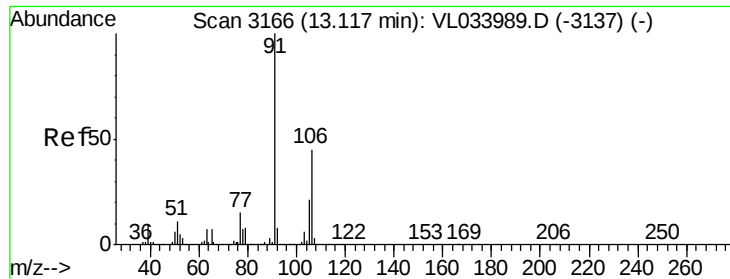
106 29.6 23.3 34.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

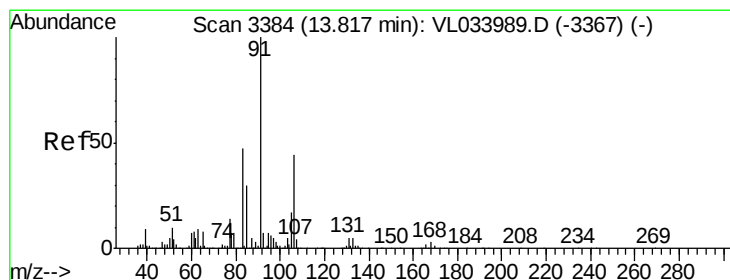
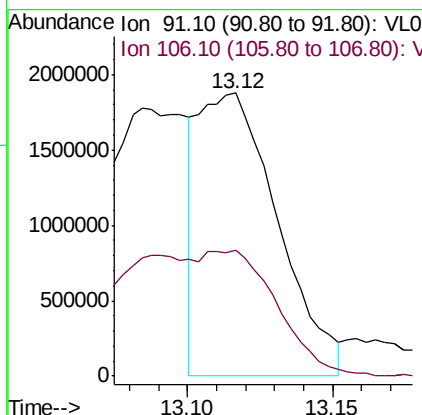
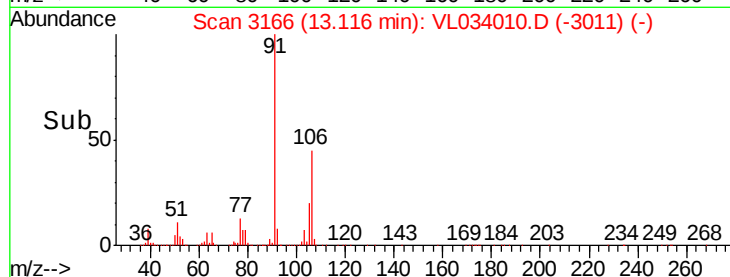
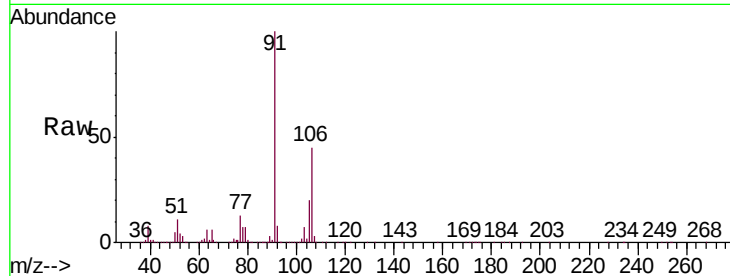




#59
m/p-Xylene
Concen: 10.133 ppbv
RT: 13.12 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

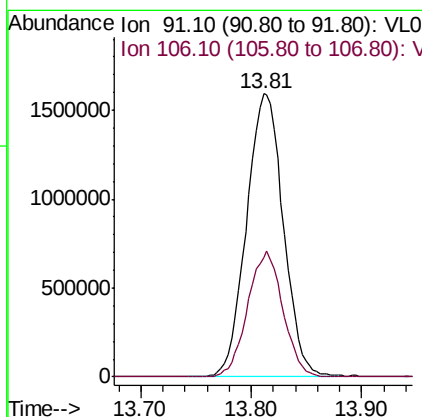
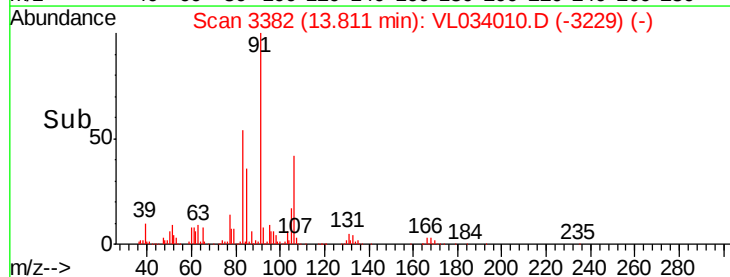
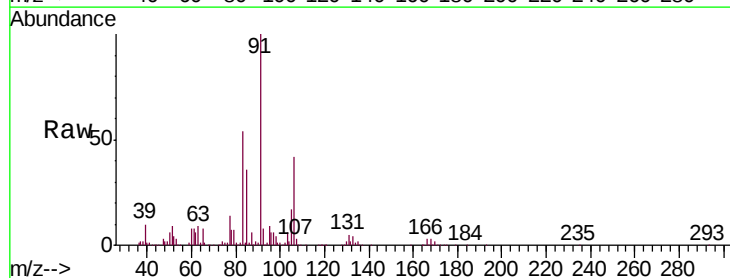
Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

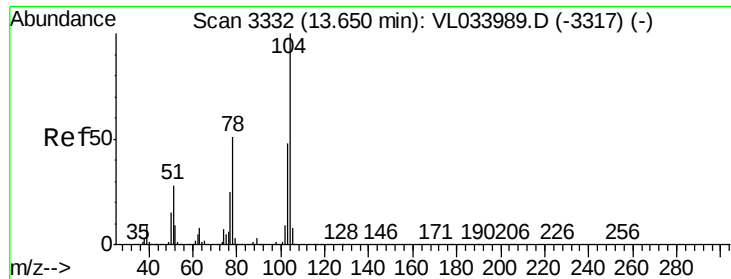
Tgt Ion: 91 Resp: 3533586
Ion Ratio Lower Upper
91 100
106 91.8 35.7 53.5#



#60
o-Xylene
Concen: 10.546 ppbv
RT: 13.81 min Scan# 3382
Delta R.T. -0.01 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Tgt Ion: 91 Resp: 3679086
Ion Ratio Lower Upper
91 100
106 42.7 21.9 65.7

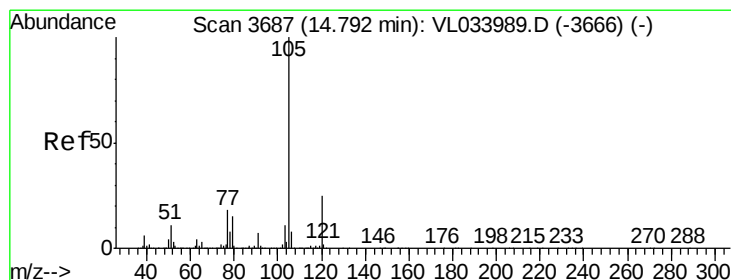
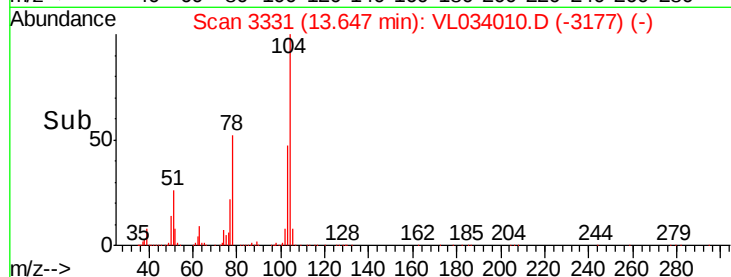
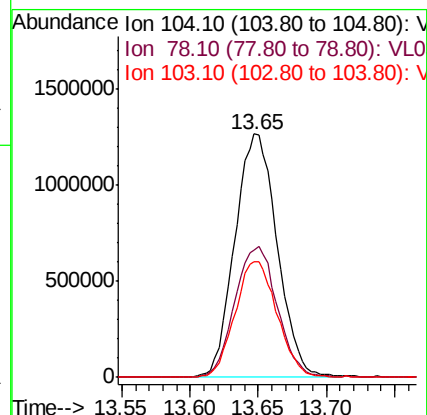
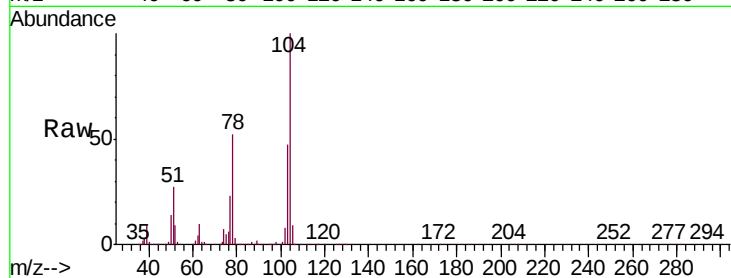




#61
Styrene
Concen: 11.778 ppbv
RT: 13.65 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

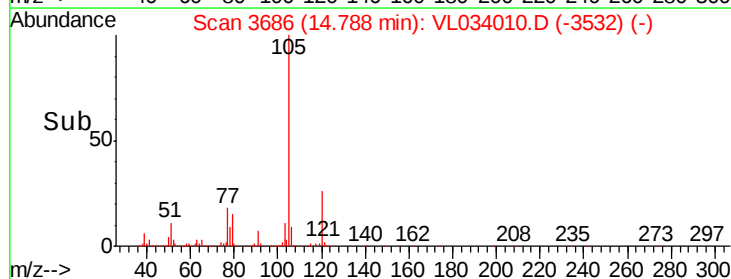
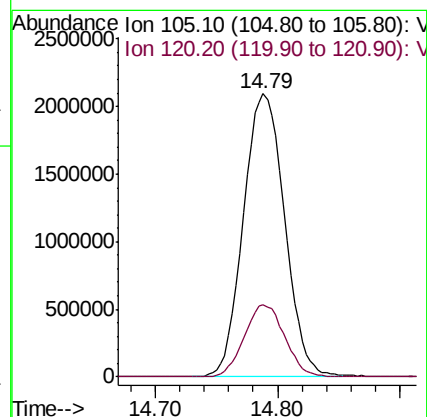
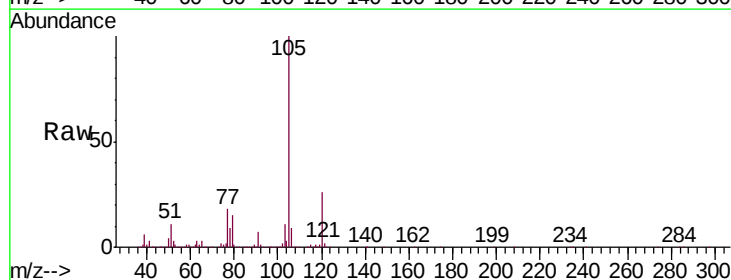
Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

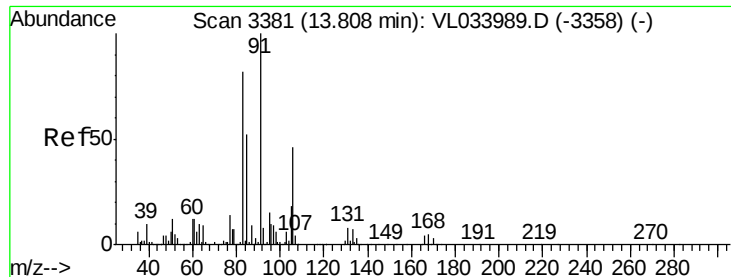
Tgt Ion:104 Resp: 2719316
Ion Ratio Lower Upper
104 100
78 54.3 43.9 65.9
103 47.8 38.1 57.1



#62
Isopropylbenzene
Concen: 9.112 ppbv
RT: 14.79 min Scan# 3686
Delta R.T. -0.00 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Tgt Ion:105 Resp: 4886770
Ion Ratio Lower Upper
105 100
120 25.1 20.4 30.6





#63

1,1,2,2-Tetrachloroethane

Concen: 9.309 ppbv

RT: 13.80 min Scan# 3379

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

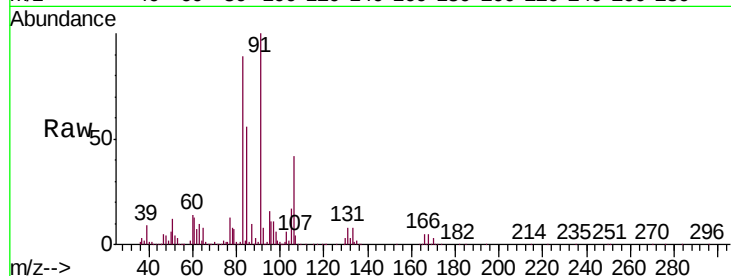
Tgt Ion: 83 Resp: 2513842

Ion Ratio Lower Upper

83 100

131 9.7 5.0 14.9

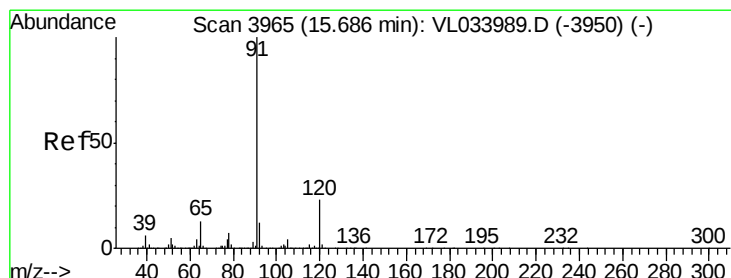
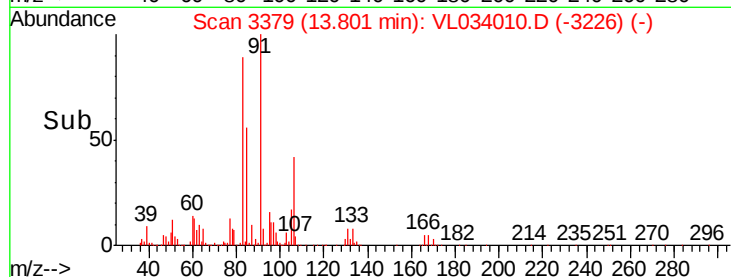
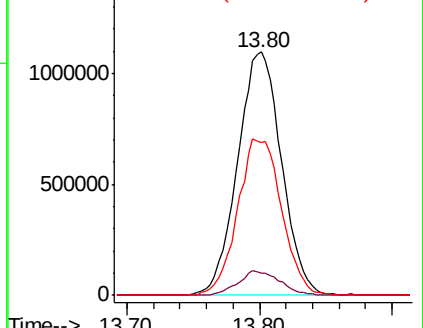
85 64.8 32.8 98.3



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: 9.067 ppbv

RT: 15.68 min Scan# 3964

Delta R.T. -0.00 min

Lab File: VL034010.D

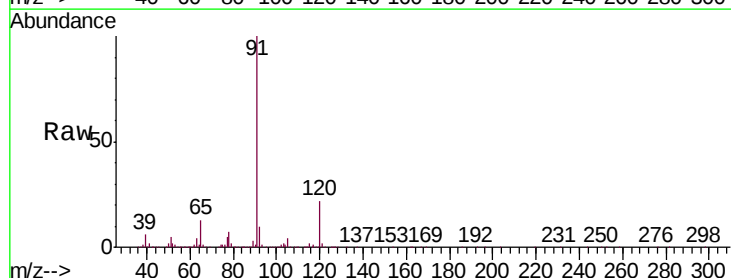
Acq: 8 Jul 2019 13:19

Tgt Ion: 120 Resp: 1261011

Ion Ratio Lower Upper

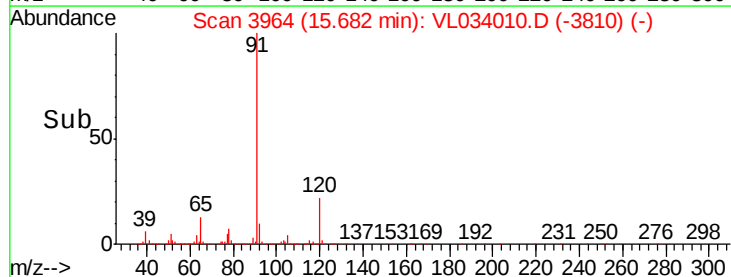
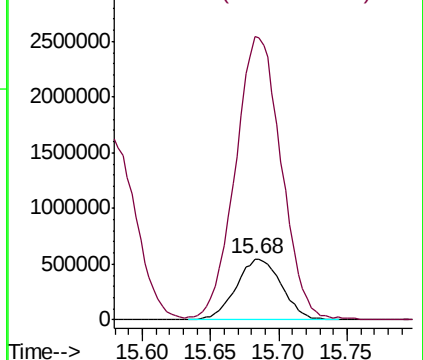
120 100

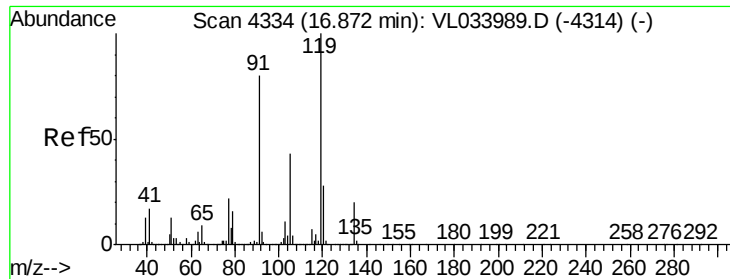
91 474.5 386.6 579.8



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 9.663 ppbv

RT: 16.87 min Scan# 4334

Delta R.T. -0.00 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

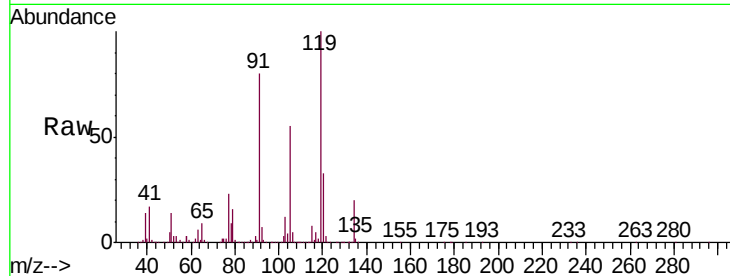
Tgt Ion:119 Resp: 4406890

Ion Ratio Lower Upper

119 100

91 82.8 67.0 100.6

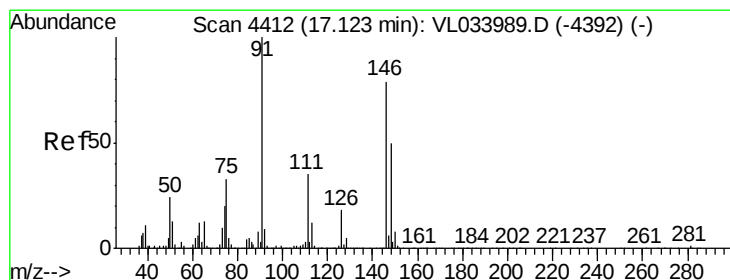
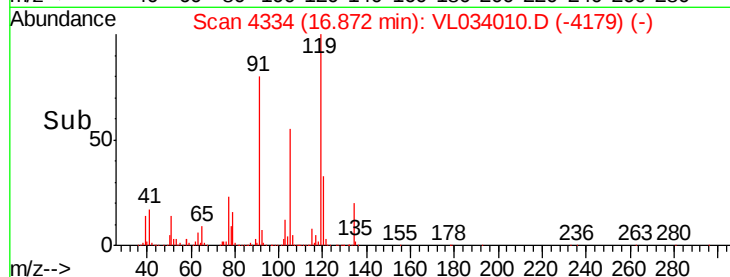
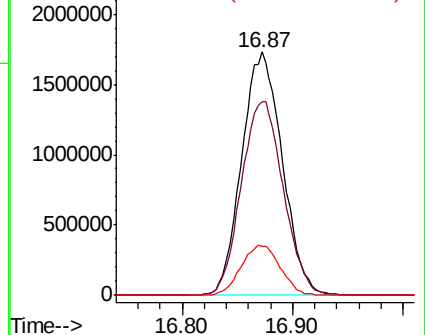
134 19.9 15.8 23.6



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.612 ppbv

RT: 17.12 min Scan# 4411

Delta R.T. -0.00 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

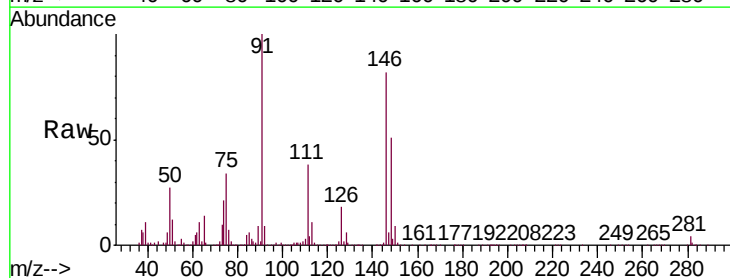
Tgt Ion: 91 Resp: 2476180

Ion Ratio Lower Upper

91 100

126 17.6 13.9 20.9

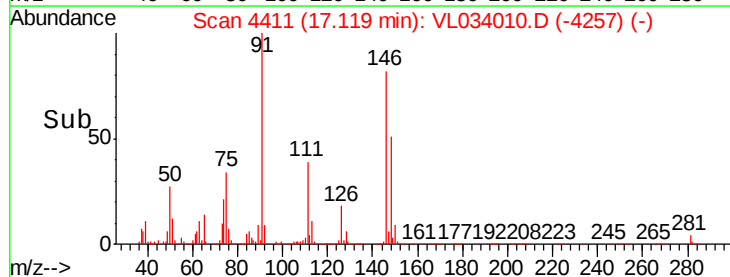
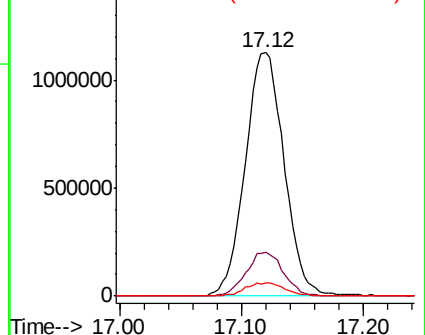
128 5.7 4.6 7.0

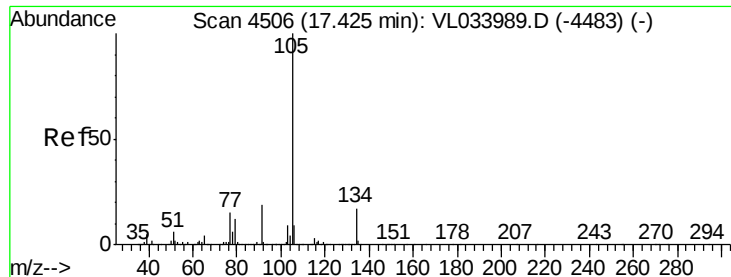


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

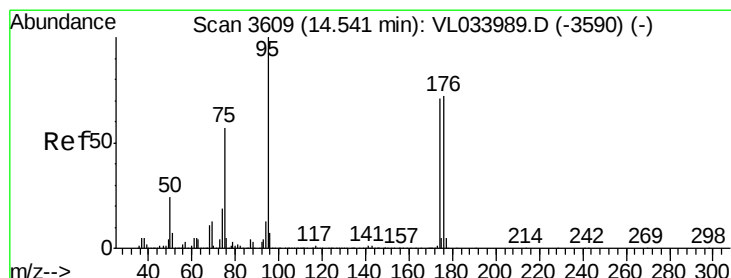
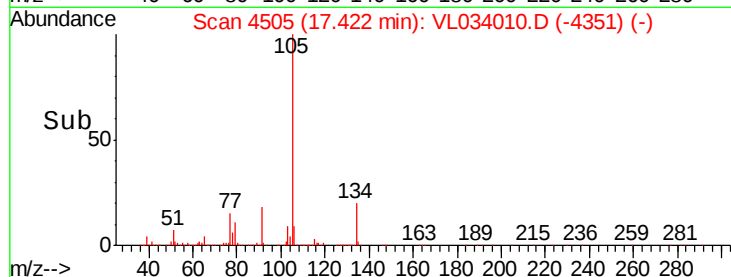
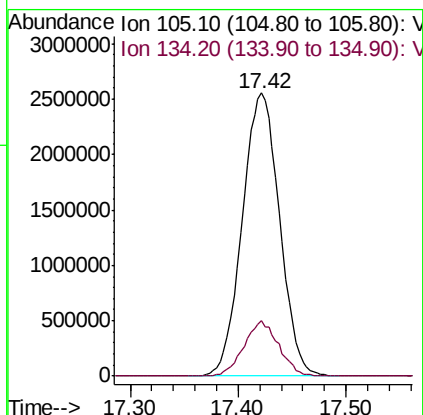
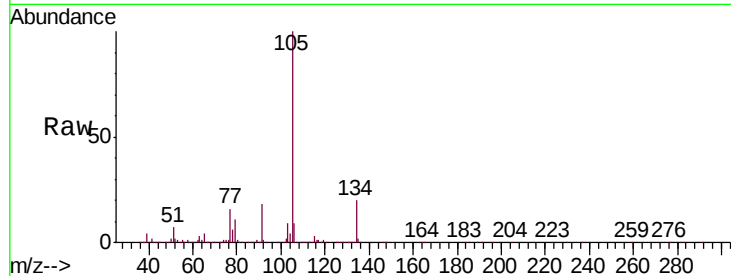




#67
 sec-Butylbenzene
 Concen: 9.581 ppbv
 RT: 17.42 min Scan# 4505
 Delta R.T. -0.00 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

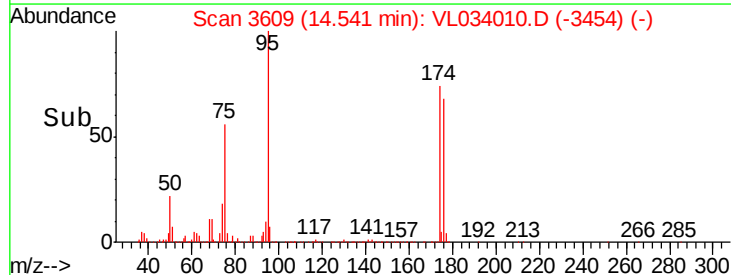
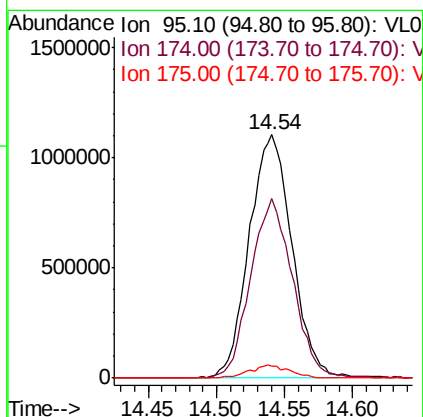
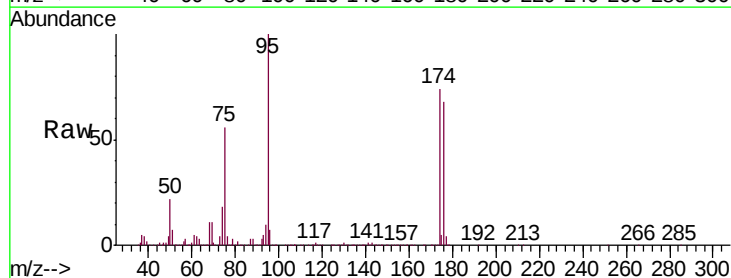
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

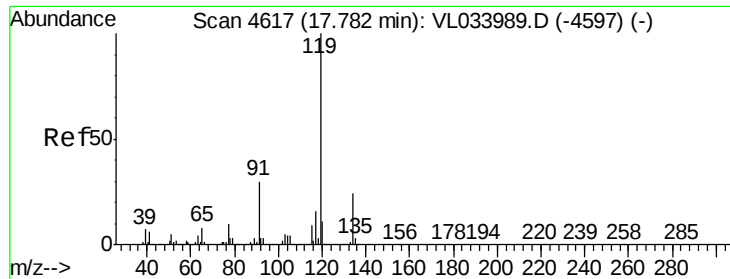
Tgt Ion: 105 Resp: 6133150
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.7 22.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.762 ppbv
 RT: 14.54 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Tgt Ion: 95 Resp: 2393432
 Ion Ratio Lower Upper
 95 100
 174 73.2 60.5 90.7
 175 5.1 4.0 6.0

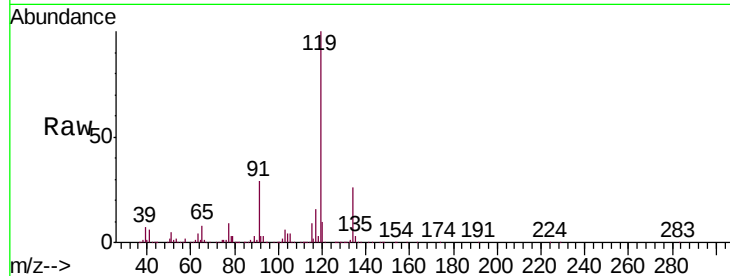




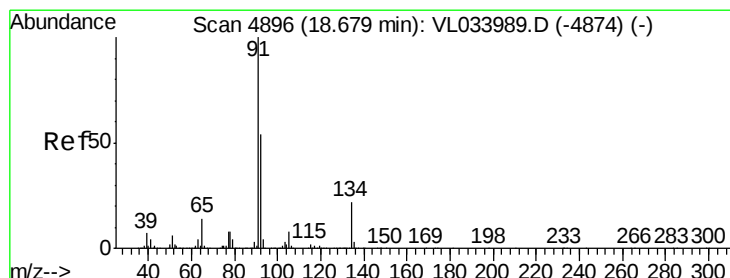
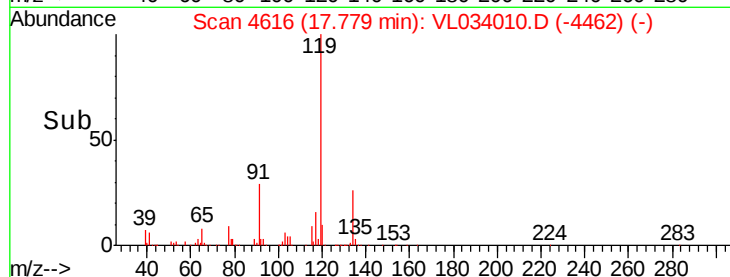
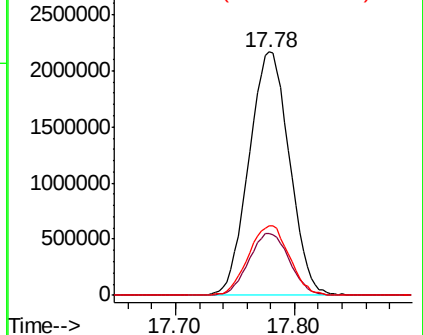
#69
 p-Isopropyltoluene
 Concen: 9.675 ppbv
 RT: 17.78 min Scan# 4616
 Delta R.T. -0.00 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Tgt Ion: 119 Resp: 5106155
 Ion Ratio Lower Upper
 119 100
 134 25.5 20.1 30.1
 91 29.1 23.6 35.4

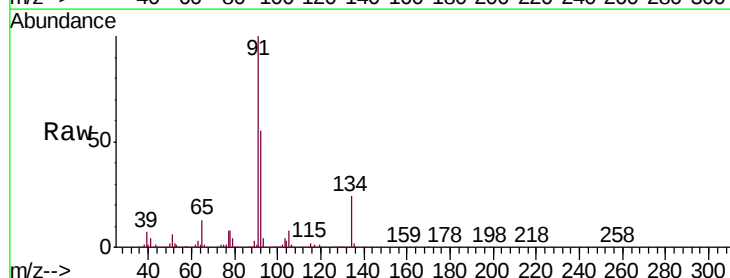


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

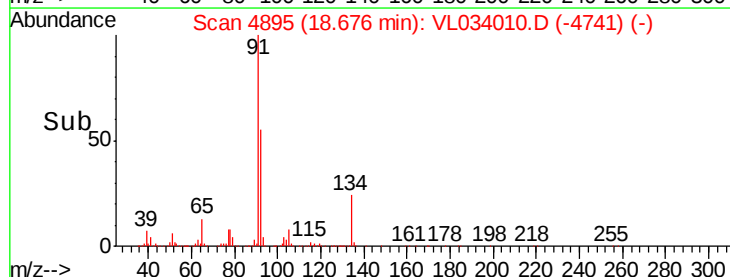
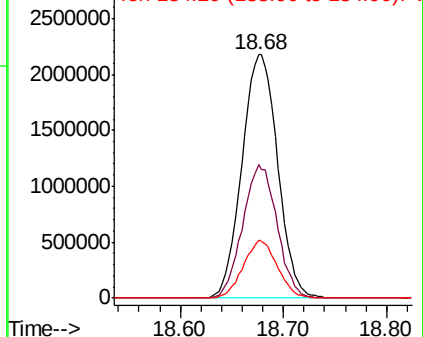


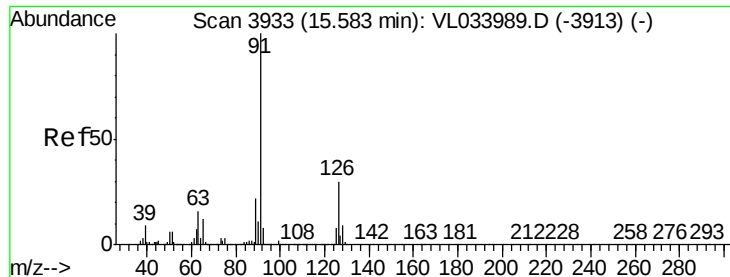
#70
 n-Butylbenzene
 Concen: 9.435 ppbv
 RT: 18.68 min Scan# 4895
 Delta R.T. -0.00 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Tgt Ion: 91 Resp: 5231136
 Ion Ratio Lower Upper
 91 100
 92 52.8 42.0 63.0
 134 22.6 17.9 26.9



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: 9.312 ppbv

RT: 15.58 min Scan# 3932

Delta R.T. -0.00 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

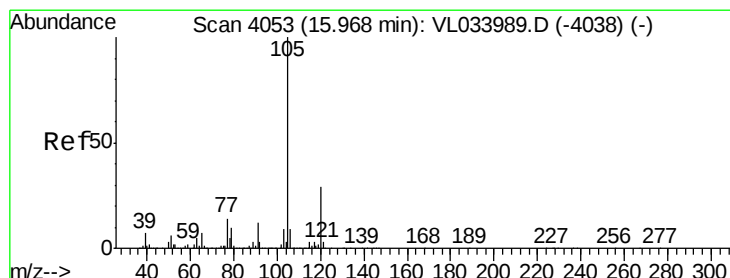
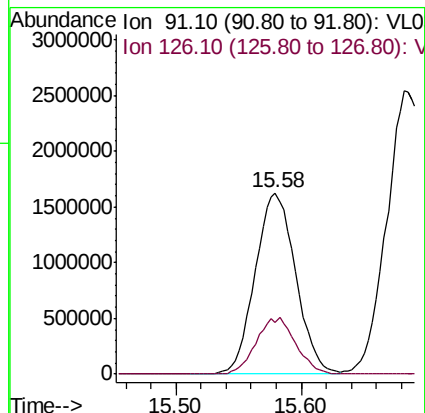
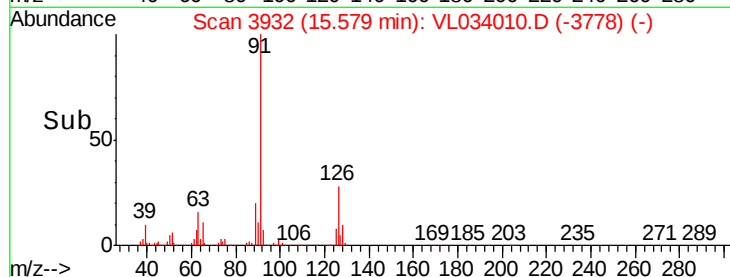
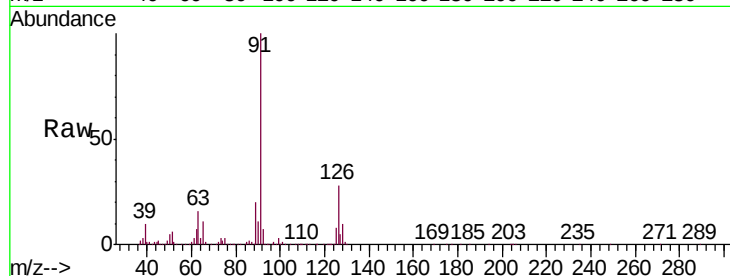
VL0708ABS01

Tgt Ion: 91 Resp: 3654641

Ion Ratio Lower Upper

91 100

126 30.8 12.3 49.3



#72

4-Ethyltoluene

Concen: 9.552 ppbv

RT: 15.97 min Scan# 4052

Delta R.T. -0.00 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Tgt Ion: 105 Resp: 4279475

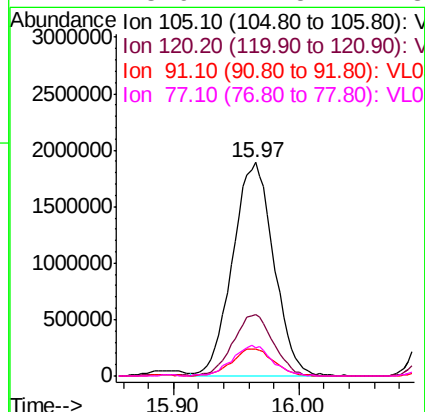
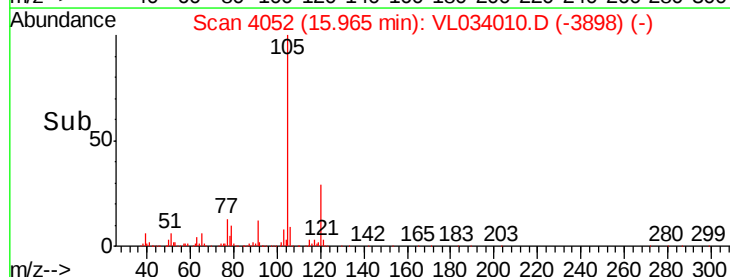
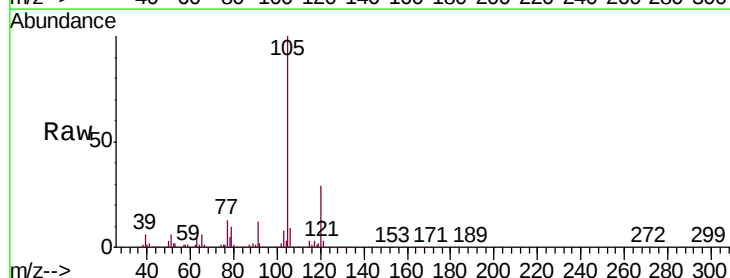
Ion Ratio Lower Upper

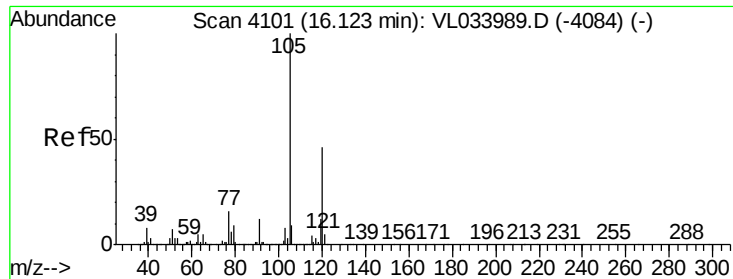
105 100

120 28.7 24.1 36.1

91 12.9 10.6 16.0

77 13.9 11.5 17.3

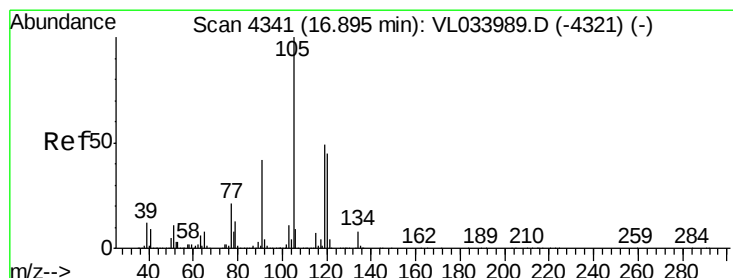
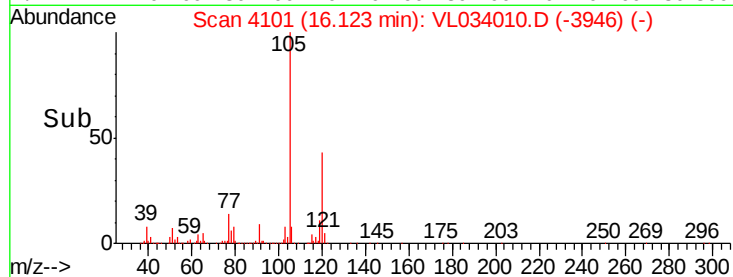
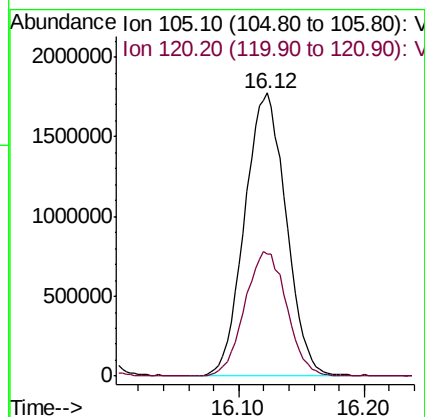
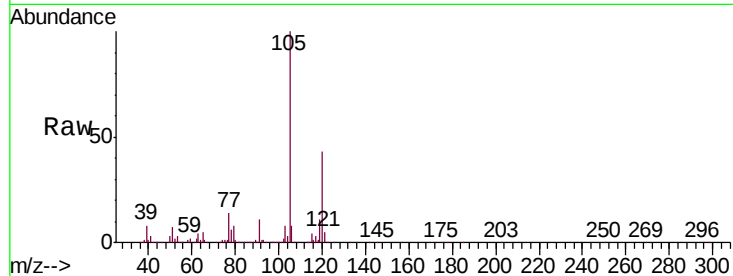




#73
 1,3,5-Trimethylbenzene
 Concen: 9.761 ppbv
 RT: 16.12 min Scan# 4101
 Delta R.T. -0.00 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

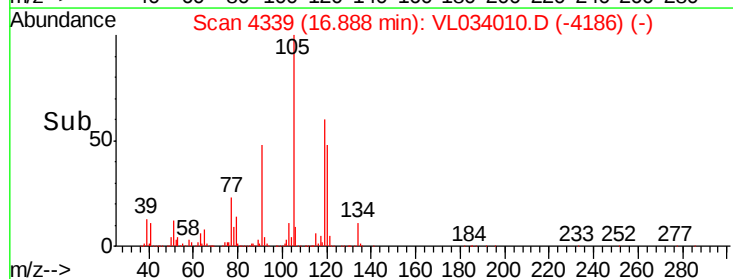
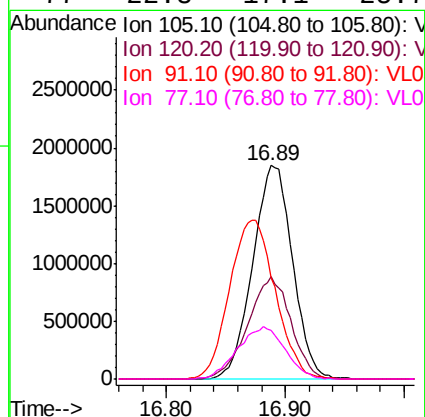
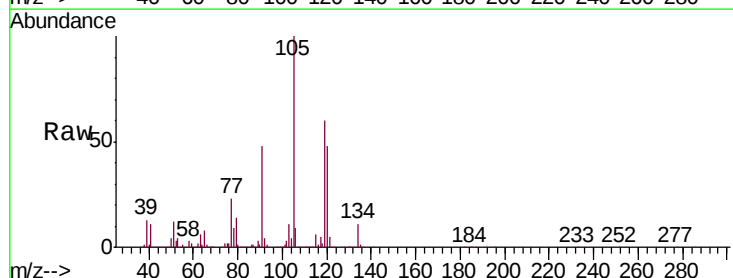
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

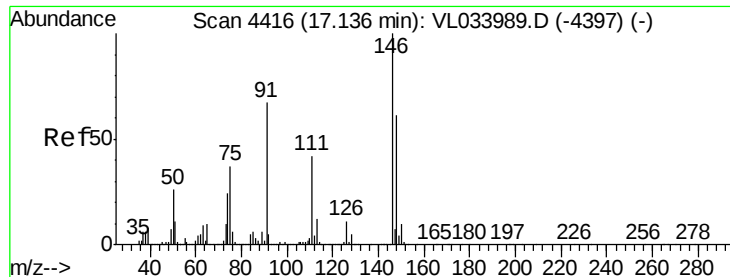
Tgt Ion:105 Resp: 4068787
 Ion Ratio Lower Upper
 105 100
 120 43.2 36.4 54.6



#74
 1,2,4-Trimethylbenzene
 Concen: 9.262 ppbv
 RT: 16.89 min Scan# 4339
 Delta R.T. -0.01 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Tgt Ion:105 Resp: 4276032
 Ion Ratio Lower Upper
 105 100
 120 47.8 36.2 54.2
 91 47.4 34.3 51.5
 77 22.8 17.1 25.7





#75

1,3-Dichlorobenzene

Concen: 8.630 ppbv

RT: 17.13 min Scan# 4413

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

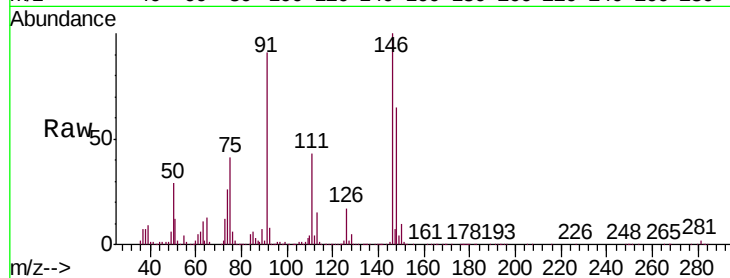
Tgt Ion:146 Resp: 2531067

Ion Ratio Lower Upper

146 100

111 45.1 22.3 66.9

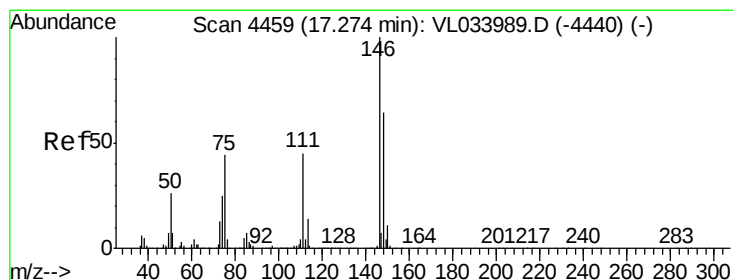
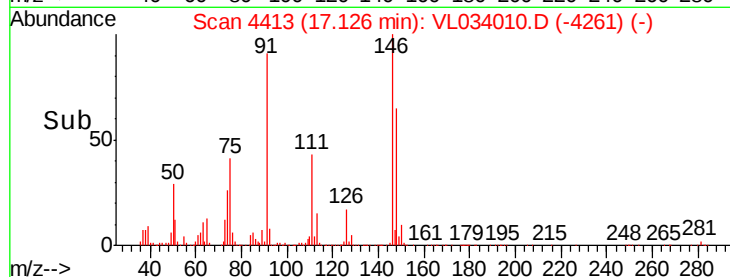
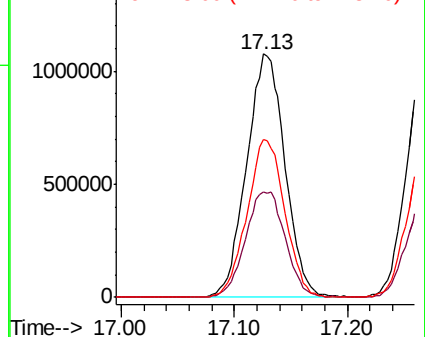
148 63.9 32.0 96.2



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



#76

1,4-Dichlorobenzene

Concen: 9.116 ppbv

RT: 17.27 min Scan# 4457

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

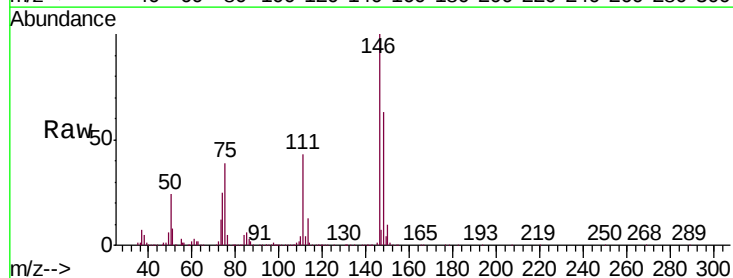
Tgt Ion:146 Resp: 2518071

Ion Ratio Lower Upper

146 100

111 43.1 21.9 65.5

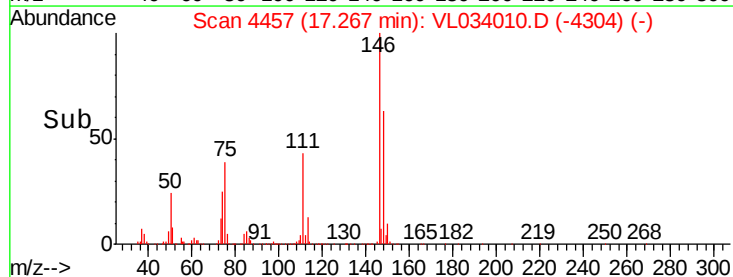
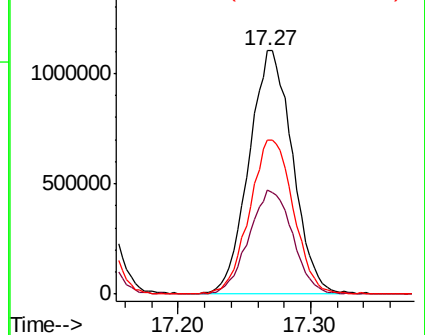
148 64.4 32.5 97.5

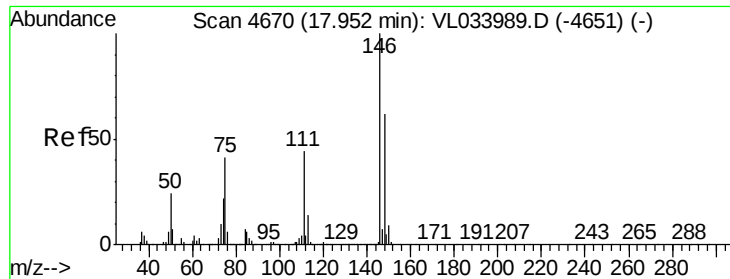


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

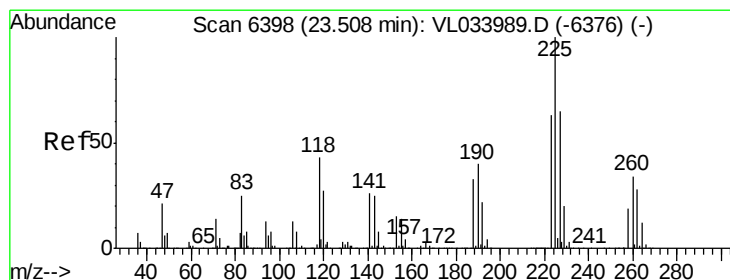
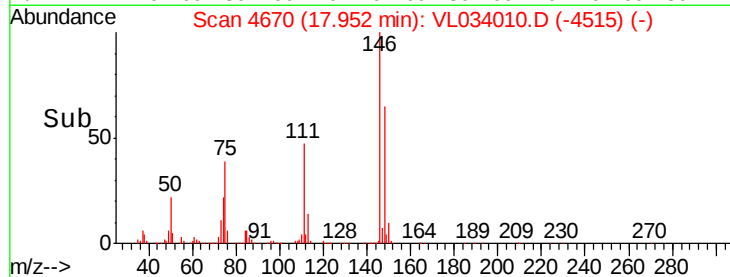
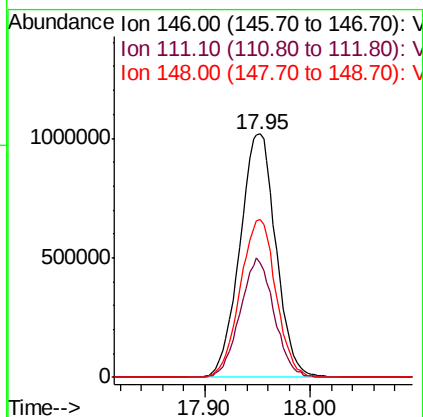
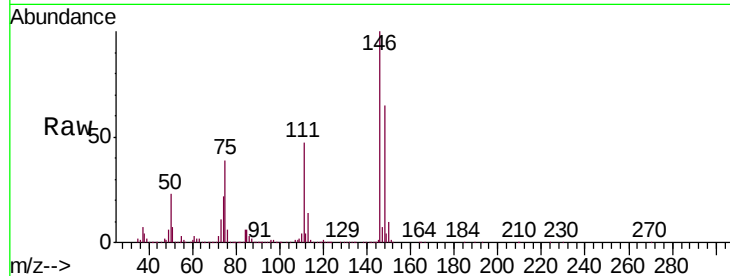




#77
 1,2-Dichlorobenzene
 Concen: 8.893 ppbv
 RT: 17.95 min Scan# 4670
 Delta R.T. -0.00 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

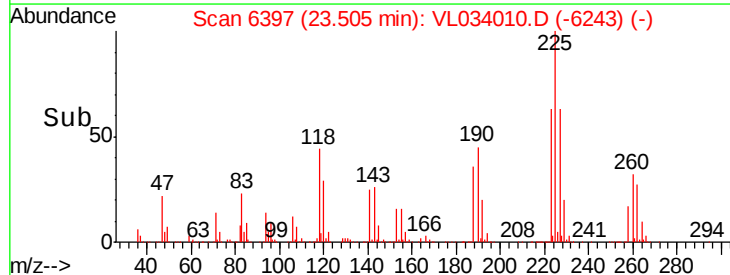
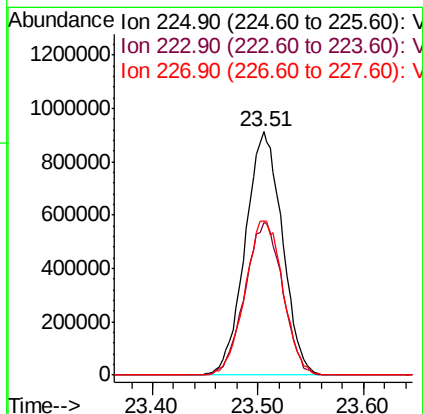
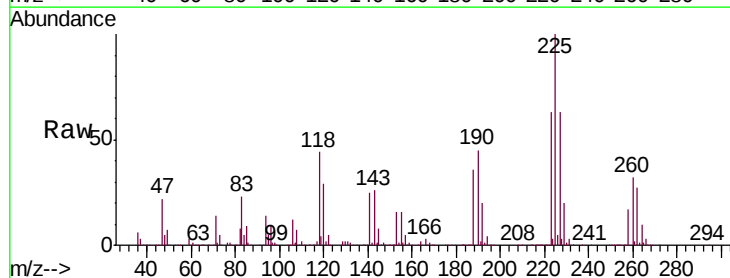
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

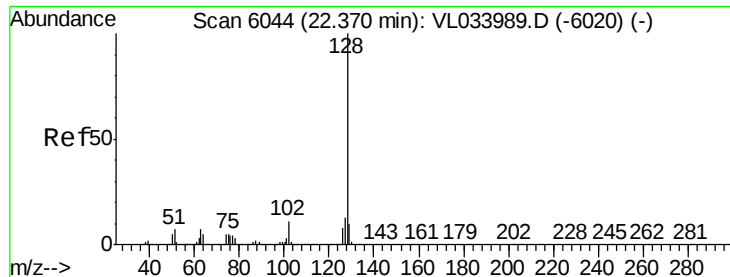
Tgt Ion:146 Resp: 2415159
 Ion Ratio Lower Upper
 146 100
 111 46.2 22.7 68.1
 148 64.6 32.1 96.3



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.643 ppbv
 RT: 23.51 min Scan# 6397
 Delta R.T. -0.00 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Tgt Ion:225 Resp: 2228302
 Ion Ratio Lower Upper
 225 100
 223 64.0 51.5 77.3
 227 64.9 52.1 78.1





#79

Naphthalene

Concen: 10.153 ppbv

RT: 22.36 min Scan# 6041

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

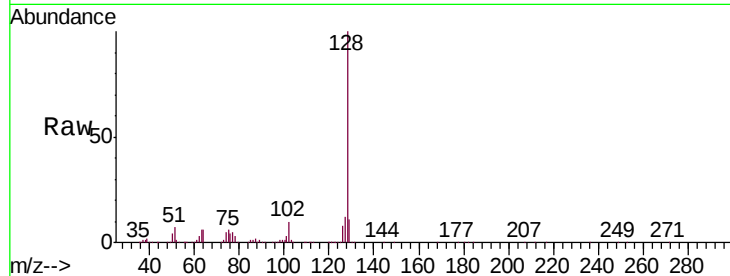
Tgt Ion:128 Resp: 3940966

Ion Ratio Lower Upper

128 100

127 12.4 10.6 15.8

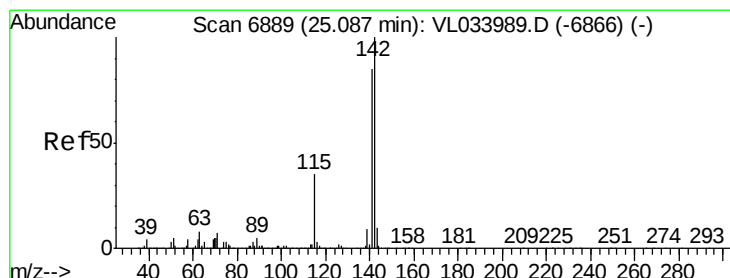
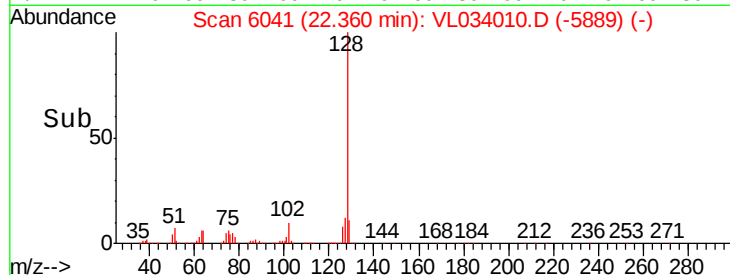
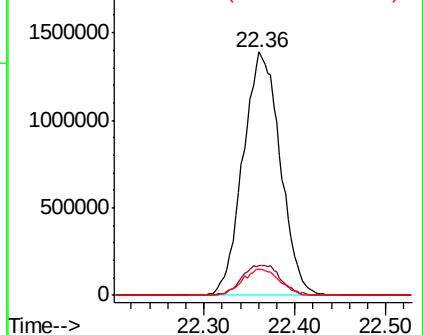
129 10.9 8.3 12.5



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: 14.192 ppbv

RT: 25.08 min Scan# 6887

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

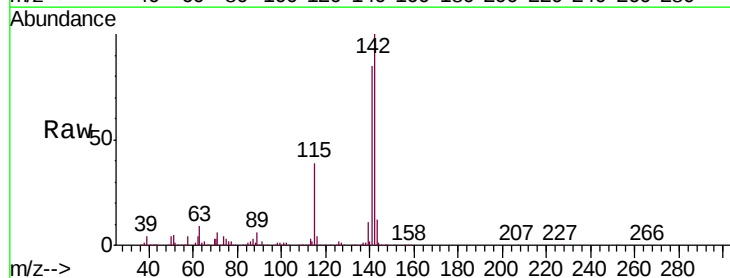
Tgt Ion:142 Resp: 2004611

Ion Ratio Lower Upper

142 100

141 84.4 68.2 102.2

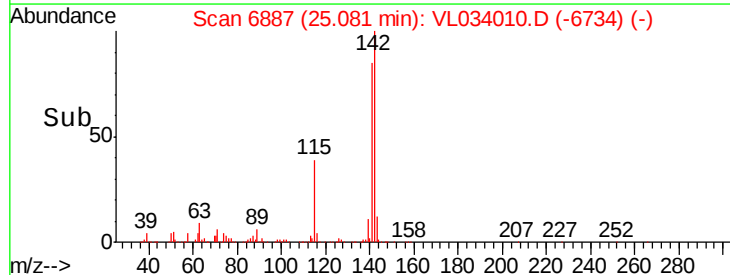
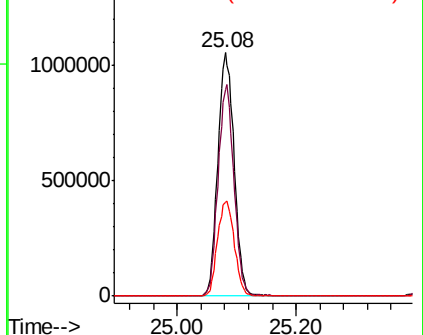
115 40.4 29.9 44.9

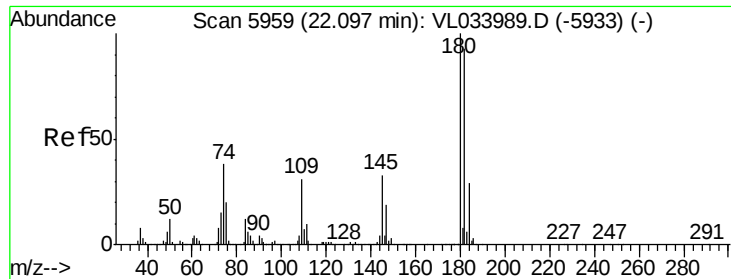


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 9.356 ppbv

RT: 22.09 min Scan# 5957

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

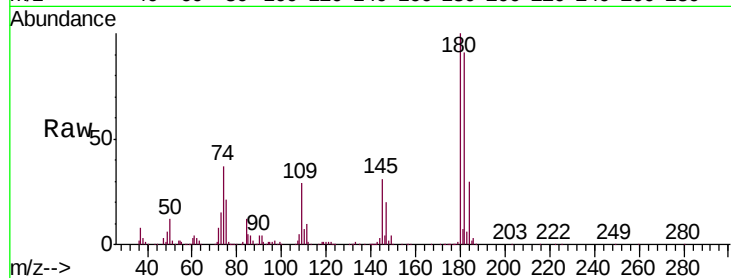
Tgt Ion:180 Resp: 2332301

Ion Ratio Lower Upper

180 100

182 96.6 76.6 114.8

184 31.1 24.6 36.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

