

Data File : VL033801.D
Acq On : 28 May 2019 11:46
Operator : SY/AP
Sample : VL0528ABS01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01DUP

Quant Time: May 29 04:34:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	999366	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2414602	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2924792	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1975707	8.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.07	85	1427533	6.778	ppbv	98
3) Chlorodifluoromethane	3.01	51	1038997	9.076	ppbv	100
4) Chloromethane	3.17	50	607222	9.274	ppbv	99
5) Vinyl Chloride	3.29	62	617184	9.254	ppbv	100
6) Bromomethane	3.51	94	376331	9.248	ppbv	99
7) Chloroethane	3.60	64	220094	9.286	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1555680	9.162	ppbv	100
9) Propene	3.03	41	470506	9.663	ppbv	98
10) Heptane	8.24	43	1293945	9.385	ppbv	100
11) Trichlorofluoromethane	4.00	101	1800356	8.957	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1253989	8.933	ppbv	99
13) Ethanol	3.65	45	105828	6.725	ppbv	100
14) Bromoethene	3.78	108	504354	9.774	ppbv	98
15) Acetone	3.90	43	1111583	8.017	ppbv	99
16) 1,3-Butadiene	3.36	39	542008	9.816	ppbv	100
17) tert-Butyl alcohol	4.35	59	1149364	10.251	ppbv	100
18) 1,1-Dichloroethene	4.35	96	559697	9.447	ppbv	98
19) Isopropyl Alcohol	4.02	45	845229	9.454	ppbv	100
20) Methylene Chloride	4.40	84	472731	8.855	ppbv	98
21) Allyl Chloride	4.47	41	819748	9.478	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	574376	9.458	ppbv	96
23) Vinyl Acetate	5.15	43	1756294	9.607	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1251900	9.008	ppbv	99
25) Ethyl Acetate	5.76	43	2262579	9.289	ppbv	100
26) Hexane	5.77	57	1006503	9.612	ppbv	99
27) Carbon Disulfide	4.62	76	1393670	9.701	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1648389	9.656	ppbv	99
29) Chloroform	5.84	83	1712913	8.881	ppbv	100
30) Cyclohexane	7.24	84	859105	9.759	ppbv	99
31) cis-1,2-Dichloroethene	5.63	61	985221	9.489	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1679621	8.721	ppbv	99
34) 2-Butanone	5.32	43	1388012	9.274	ppbv	99
35) Carbon Tetrachloride	7.13	117	1814074	9.379	ppbv	99
36) Benzene	7.00	78	2023386	9.212	ppbv	98
37) 1,2-Dichloroethane	6.41	62	1224513	8.642	ppbv	100
38) Trichloroethene	7.96	130	873501	10.717	ppbv	98
39) 1,2-Dichloropropane	7.73	63	788297	9.626	ppbv	95
40) 1,4-Dioxane	7.95	88	343929	10.040	ppbv #	95
41) Tetrahydrofuran	6.14	42	776087	9.255	ppbv	99
42) Bromodichloromethane	7.91	83	1878161	9.683	ppbv	97
43) Methyl Methacrylate	8.13	69	841326	10.408	ppbv	98

Data File : VL033801.D
Acq On : 28 May 2019 11:46
Operator : SY/AP
Sample : VL0528ABS01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01DUP

Quant Time: May 29 04:34:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	3558291	9.585	ppbv	100
45) t-1,3-Dichloropropene	9.41	75	1060922	10.353	ppbv	96
46) cis-1,3-Dichloropropene	8.83	75	1209412	10.079	ppbv	95
47) 1,1,2-Trichloroethane	9.61	97	836484	8.992	ppbv	96
48) Dibromochloromethane	10.44	129	1561143	9.685	ppbv	99
49) Bromoform	13.20	173	1427218	10.523	ppbv	99
50) 4-Methyl-2-Pentanone	8.86	43	2102254	9.132	ppbv	99
51) 2-Hexanone	10.26	43	1798466	10.010	ppbv #	100
52) Tetrachloroethene	11.36	164	763869	9.893	ppbv	97
53) Toluene	9.94	91	2348828	9.915	ppbv	99
54) 1,2-Dibromoethane	10.75	107	1311130	9.235	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.27	131	1029782	7.609	ppbv #	62
57) Chlorobenzene	12.29	112	1813387	7.532	ppbv	99
58) Ethyl Benzene	12.86	91	3331861	8.602	ppbv	98
59) m/p-Xylene	13.14	91	3071110	9.071	ppbv #	41
60) o-Xylene	13.84	91	2705257	7.926	ppbv	100
61) Styrene	13.68	104	2006847	8.733	ppbv	100
62) Isopropylbenzene	14.82	105	3809054	8.287	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	1864911	7.514	ppbv	100
64) n-propylbenzene	15.72	120	946193	7.958	ppbv	97
65) tert-Butylbenzene	16.90	119	3437652	8.192	ppbv	100
66) Benzyl Chloride	17.15	91	1720772	8.609	ppbv	99
67) sec-Butylbenzene	17.45	105	4781621	8.141	ppbv	100
69) p-Isopropyltoluene	17.81	119	4023225	8.287	ppbv	100
70) n-Butylbenzene	18.71	91	4102406	7.880	ppbv	99
71) 2-Chlorotoluene	15.61	91	2750538	8.066	ppbv	99
72) 4-Ethyltoluene	15.99	105	3232271	8.283	ppbv	99
73) 1,3,5-Trimethylbenzene	16.15	105	3109590	8.167	ppbv	99
74) 1,2,4-Trimethylbenzene	16.92	105	3290683	7.941	ppbv	98
75) 1,3-Dichlorobenzene	17.16	146	1912475	7.532	ppbv	100
76) 1,4-Dichlorobenzene	17.30	146	1895918	7.856	ppbv	99
77) 1,2-Dichlorobenzene	17.98	146	1821408	7.634	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	1031812	5.720	ppbv	99
79) Naphthalene	22.40	128	2463953	6.402	ppbv	99
80) Naphthalene,2-methyl-	25.11	142	664724	4.545	ppbv	95
81) 1,2,4-Trichlorobenzene	22.13	180	1442174	6.399	ppbv	100

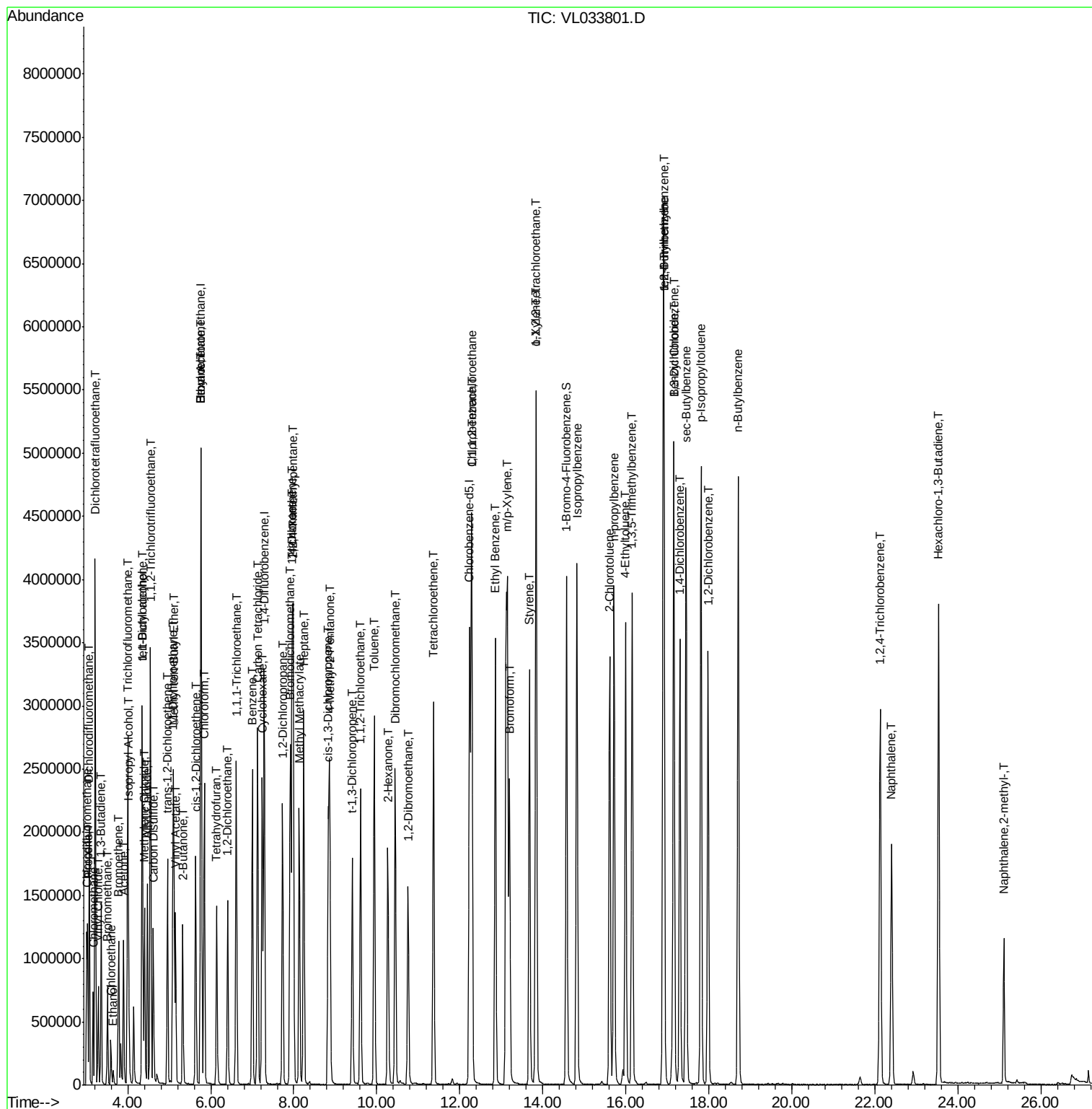
(#) = qualifier out of range (m) = manual integration (+) = signals summed

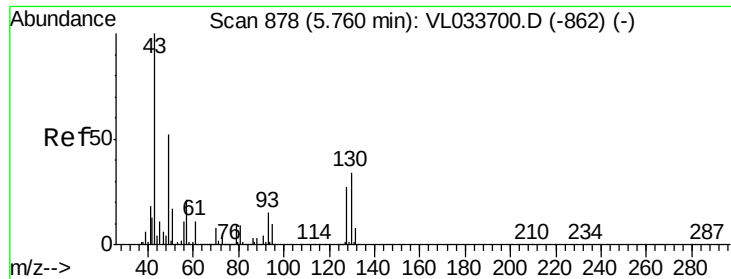
Data File : VL033801.D

Acq On : 28 May 2019 11:46
Operator : SY/AP
Sample : VL0528ABS01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multipl

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01DUP

Quant Time: May 29 04:34:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

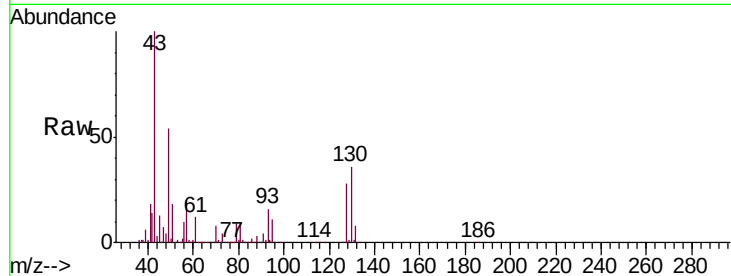
Tgt Ion: 49 Resp: 999366

Ion Ratio Lower Upper

49 100

128 50.9 25.2 75.6

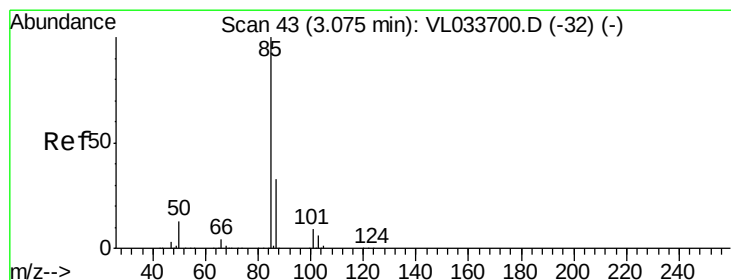
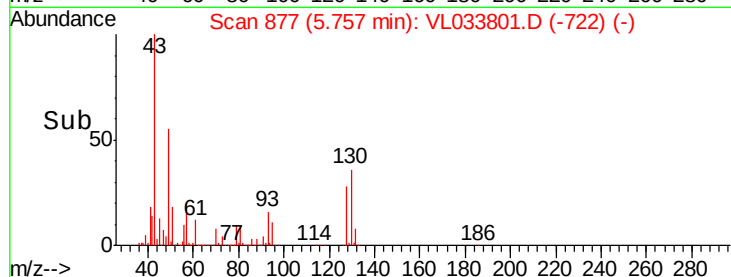
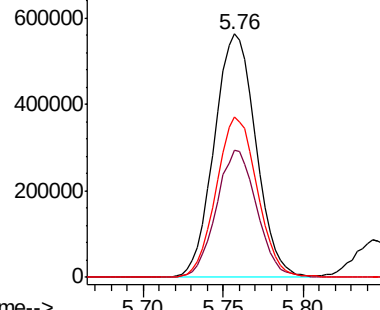
130 65.3 32.5 97.5



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: 6.778 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033801.D

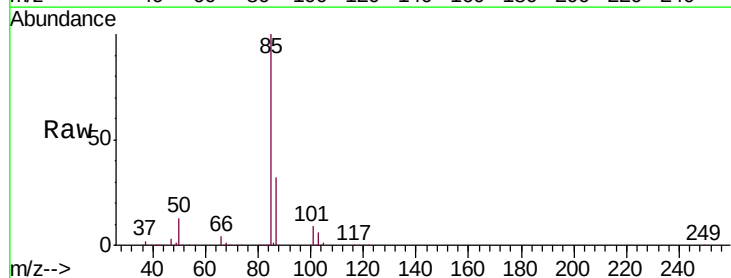
Acq: 28 May 2019 11:46

Tgt Ion: 85 Resp: 1427533

Ion Ratio Lower Upper

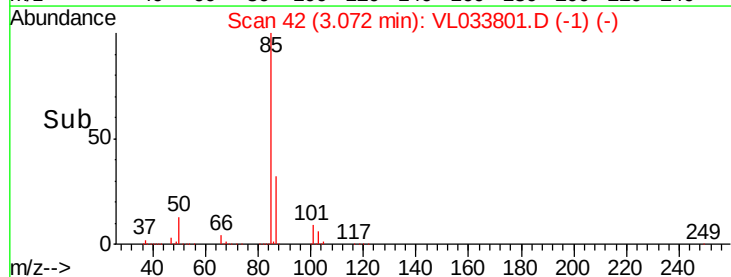
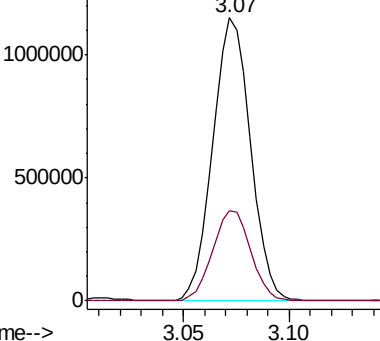
85 100

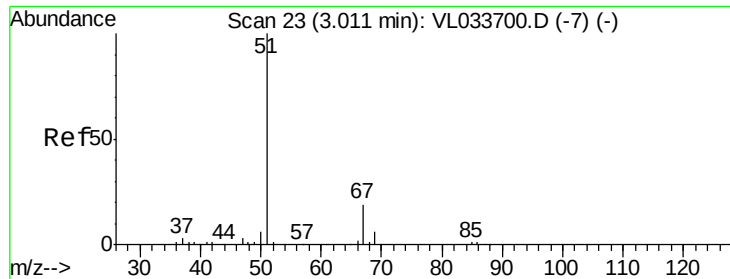
87 32.0 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.076 ppbv

RT: 3.01 min Scan# 23

Delta R.T. 0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

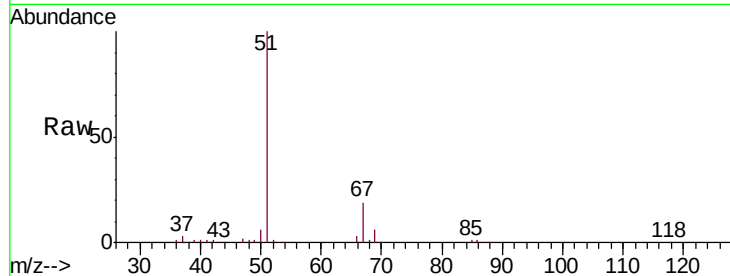
VL0528ABS01DUP

Tgt Ion: 51 Resp: 1038997

Ion Ratio Lower Upper

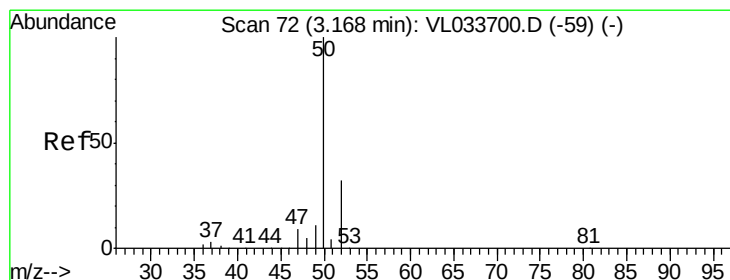
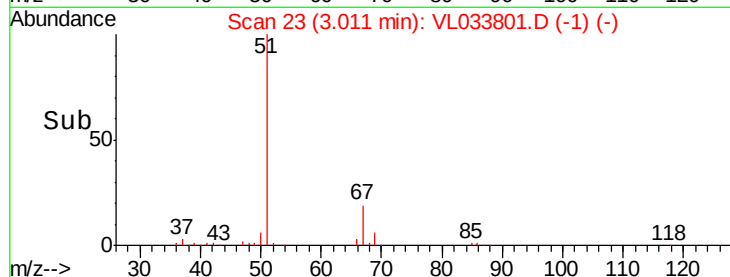
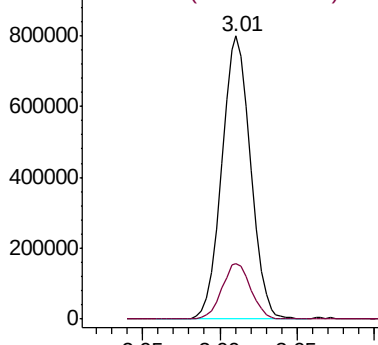
51 100

67 19.7 15.6 23.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.274 ppbv

RT: 3.17 min Scan# 71

Delta R.T. -0.00 min

Lab File: VL033801.D

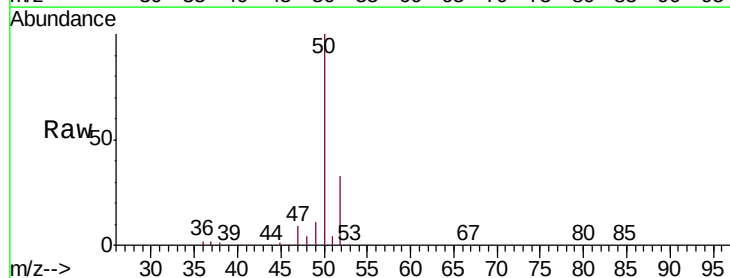
Acq: 28 May 2019 11:46

Tgt Ion: 50 Resp: 607222

Ion Ratio Lower Upper

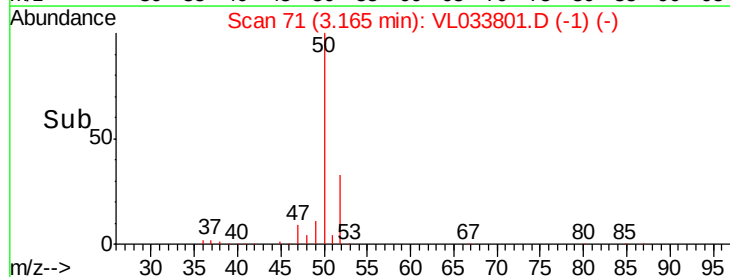
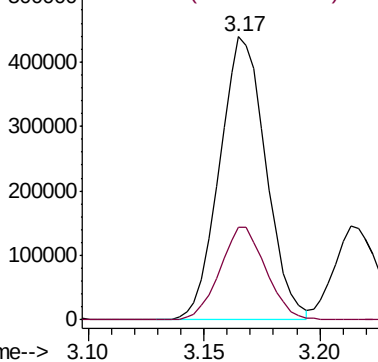
50 100

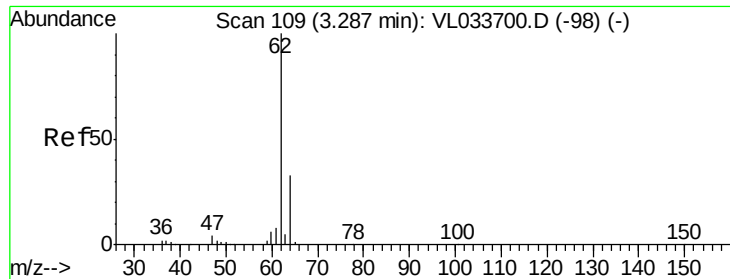
52 32.8 25.7 38.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.254 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

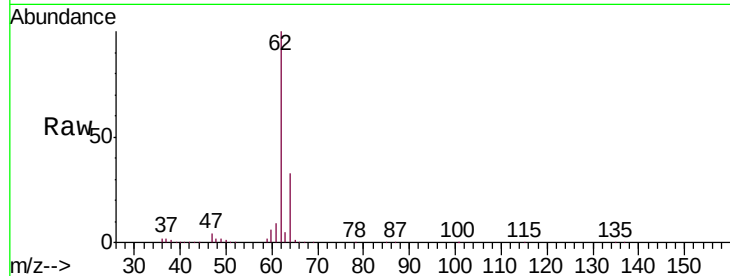
VL0528ABS01DUP

Tgt Ion: 62 Resp: 617184

Ion Ratio Lower Upper

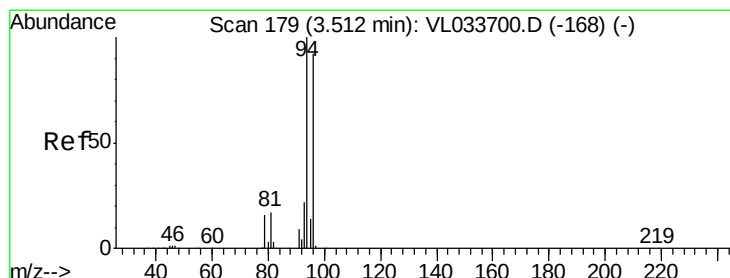
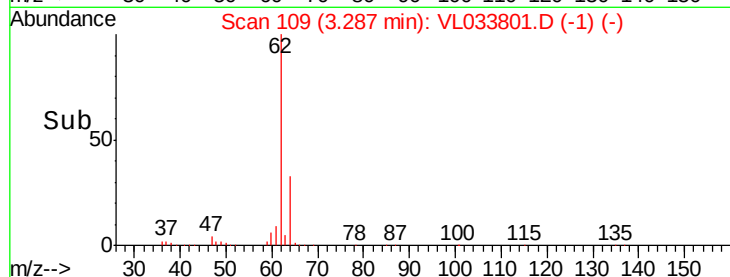
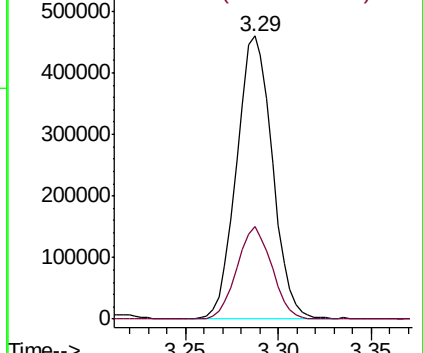
62 100

64 32.8 26.4 39.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.248 ppbv

RT: 3.51 min Scan# 178

Delta R.T. -0.00 min

Lab File: VL033801.D

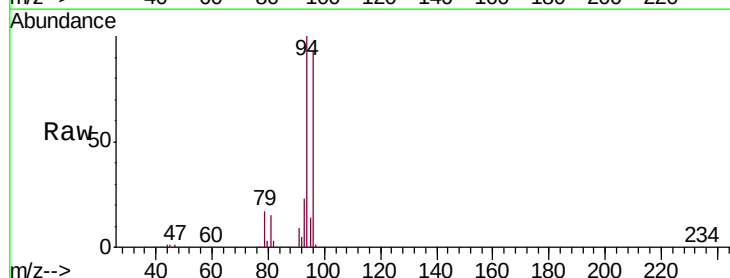
Acq: 28 May 2019 11:46

Tgt Ion: 94 Resp: 376331

Ion Ratio Lower Upper

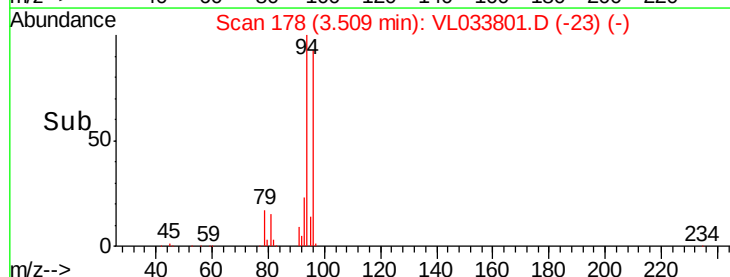
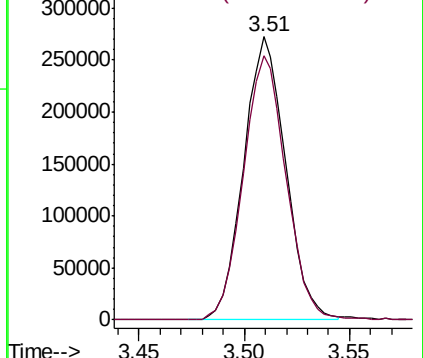
94 100

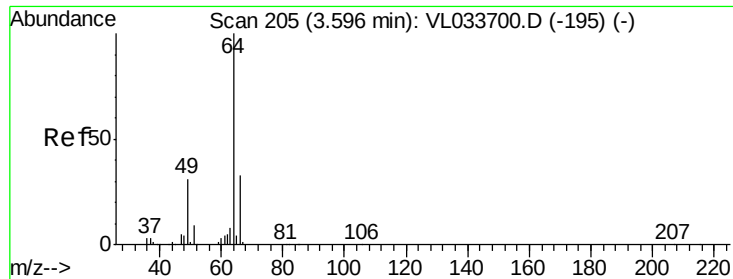
96 93.1 73.6 110.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.286 ppbv

RT: 3.60 min Scan# 205

Delta R.T. 0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

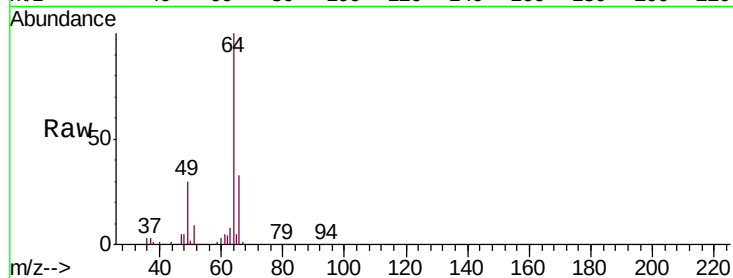
VL0528ABS01DUP

Tgt Ion: 64 Resp: 220094

Ion Ratio Lower Upper

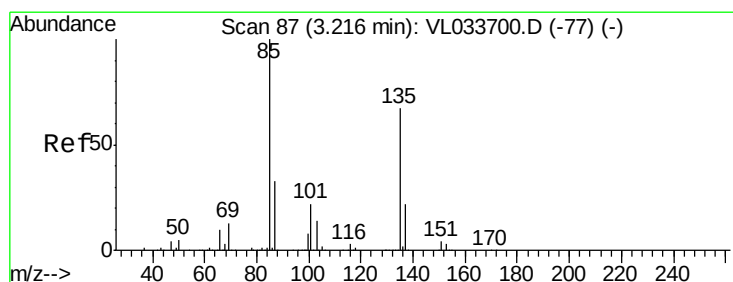
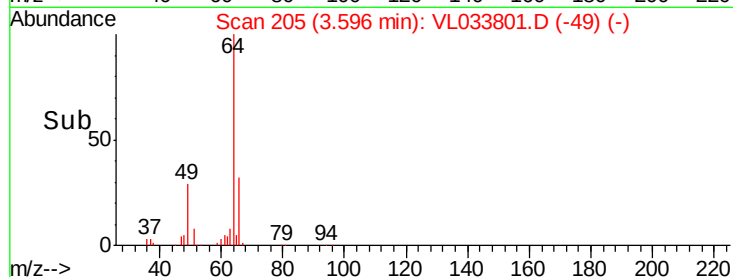
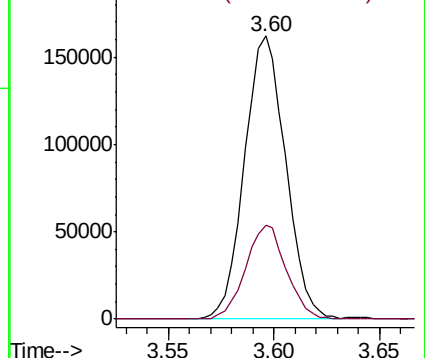
64 100

66 33.9 26.6 40.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.162 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL033801.D

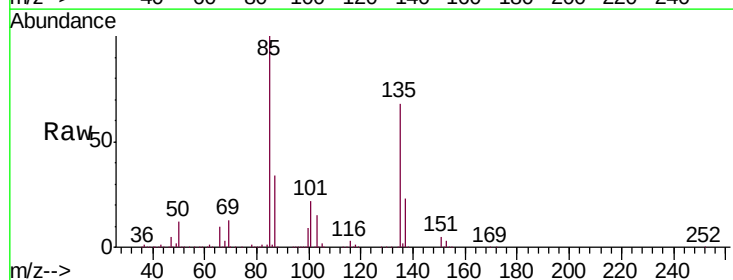
Acq: 28 May 2019 11:46

Tgt Ion: 85 Resp: 1555680

Ion Ratio Lower Upper

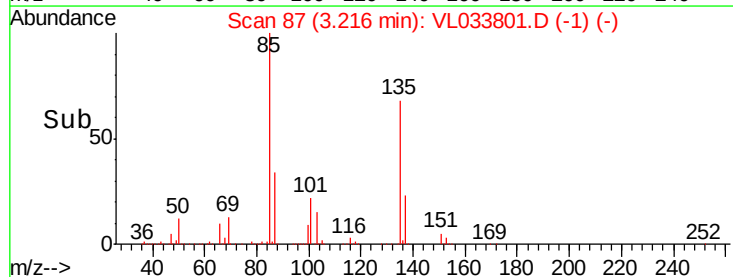
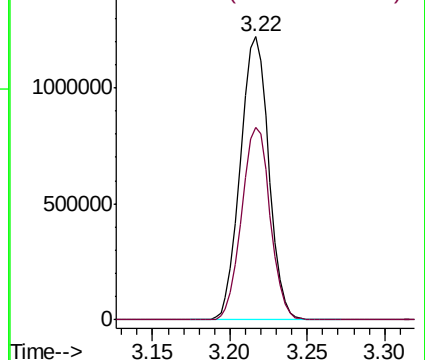
85 100

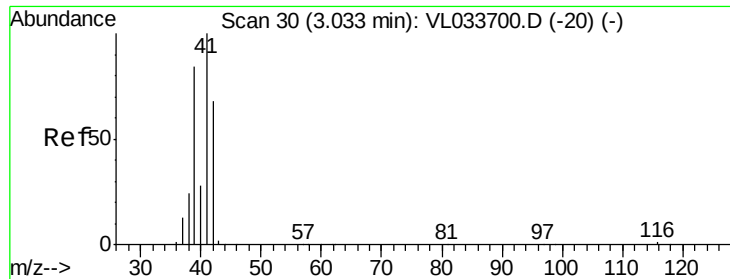
135 68.2 54.5 81.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.663 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

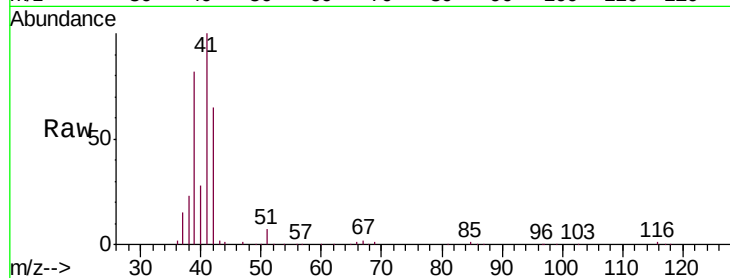
VL0528ABS01DUP

Tgt Ion: 41 Resp: 470506

Ion Ratio Lower Upper

41 100

42 68.5 56.1 84.1



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.03

400000

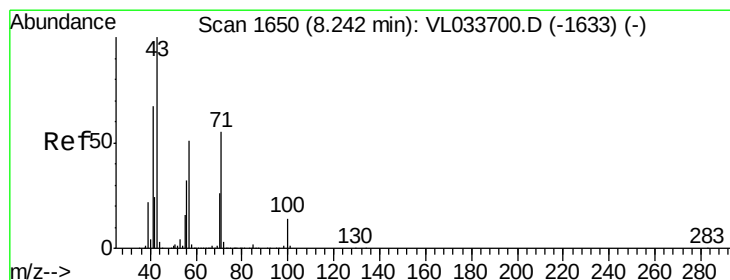
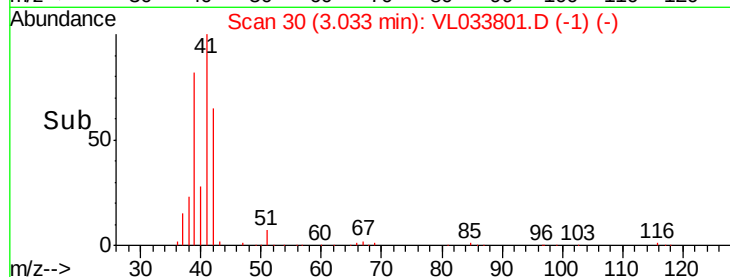
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 9.385 ppbv

RT: 8.24 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VL033801.D

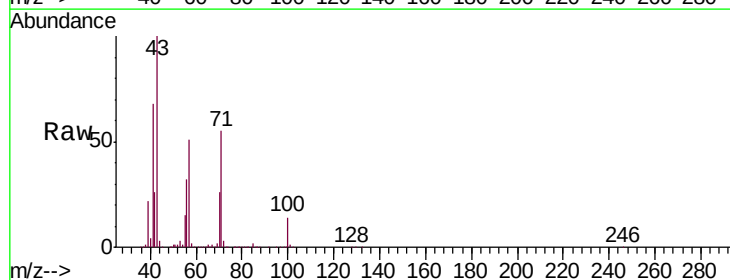
Acq: 28 May 2019 11:46

Tgt Ion: 43 Resp: 1293945

Ion Ratio Lower Upper

43 100

57 51.7 41.4 62.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.24

800000

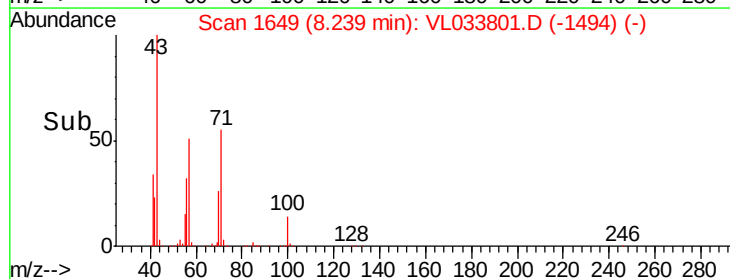
600000

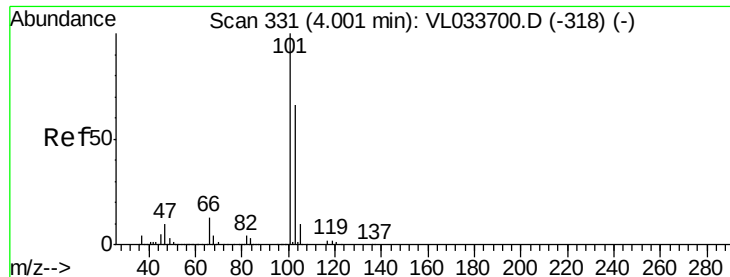
400000

200000

0

Time-->

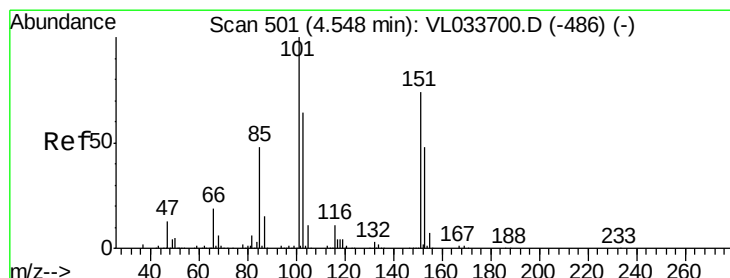
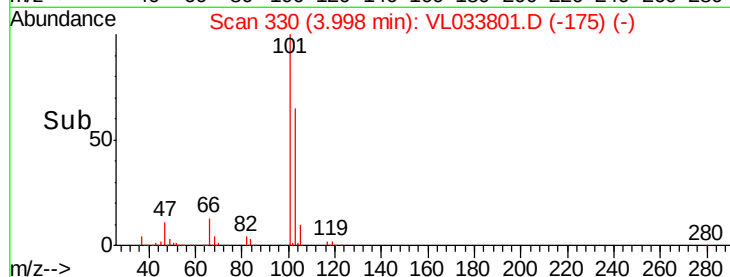
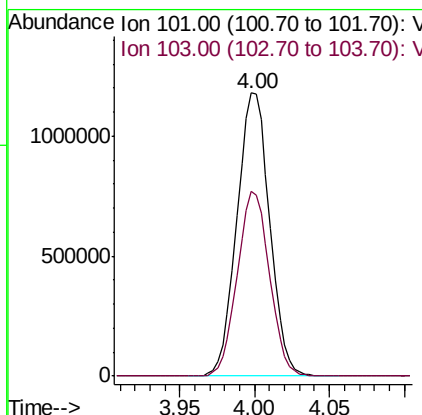
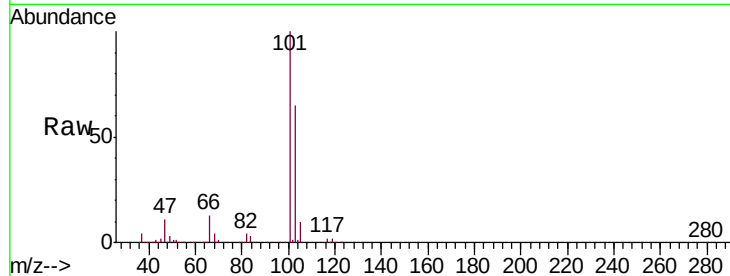




#11
 Trichlorofluoromethane
 Concen: 8.957 ppbv
 RT: 4.00 min Scan# 330
 Delta R.T. -0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

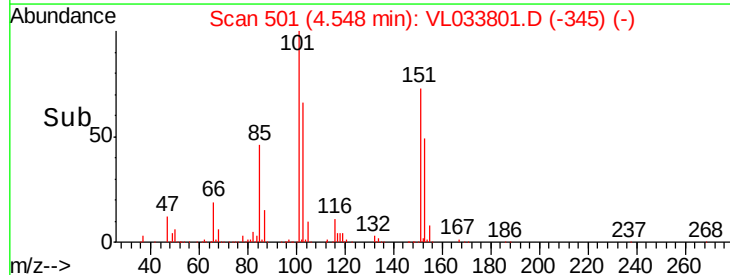
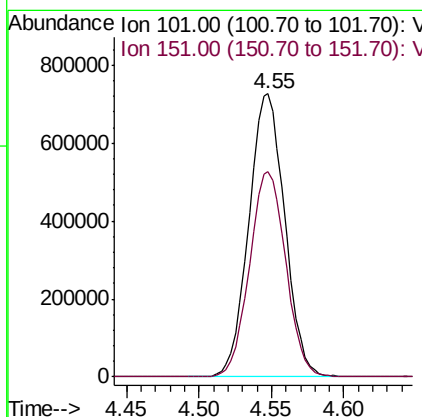
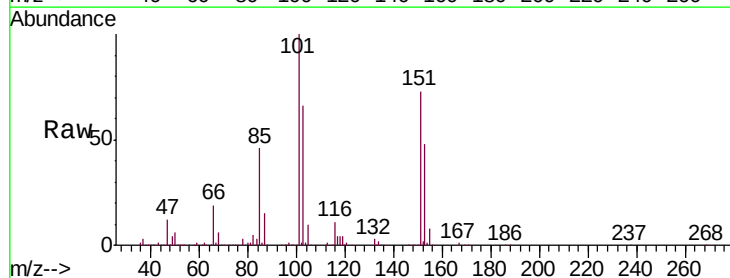
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

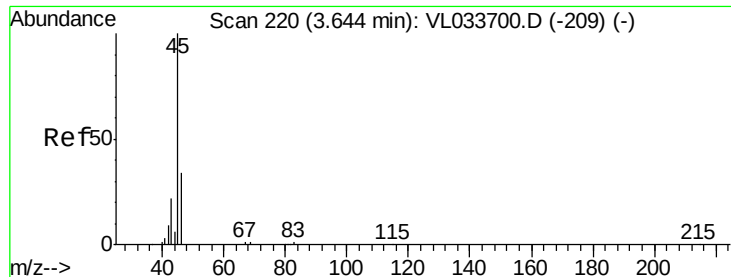
Tgt Ion:101 Resp: 1800356
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.933 ppbv
 RT: 4.55 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Tgt Ion:101 Resp: 1253989
 Ion Ratio Lower Upper
 101 100
 151 73.3 58.2 87.4





#13

Ethanol

Concen: 6.725 ppbv

RT: 3.65 min Scan# 221

Delta R.T. 0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

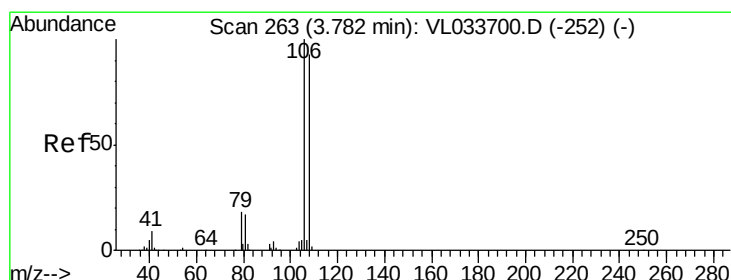
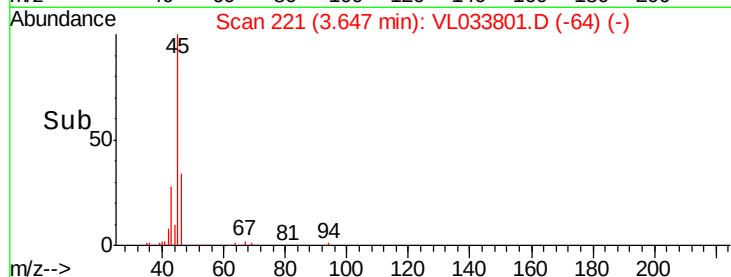
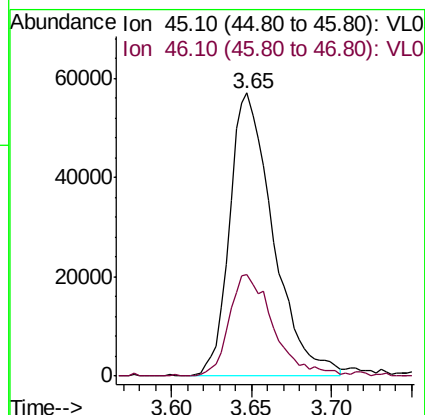
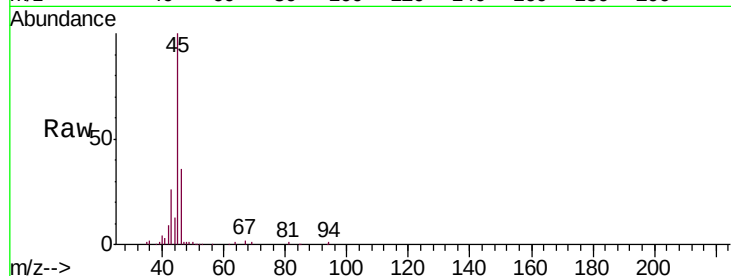
VL0528ABS01DUP

Tgt Ion: 45 Resp: 105828

Ion Ratio Lower Upper

45 100

46 37.2 14.8 59.0



#14

Bromoethene

Concen: 9.774 ppbv

RT: 3.78 min Scan# 263

Delta R.T. 0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

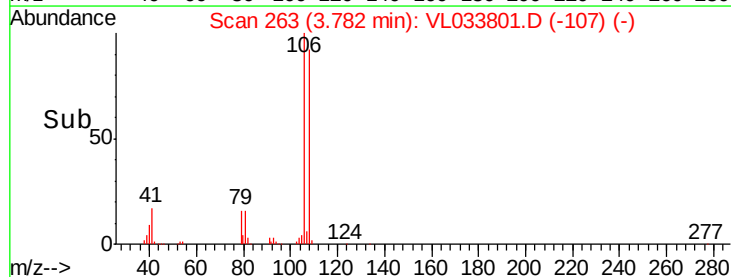
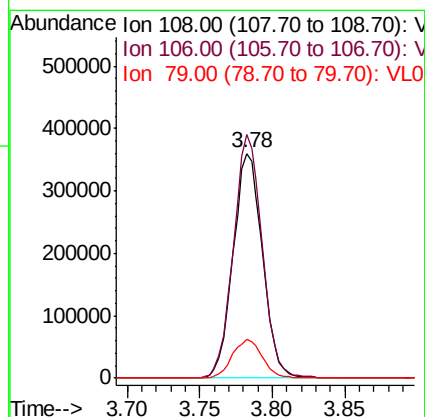
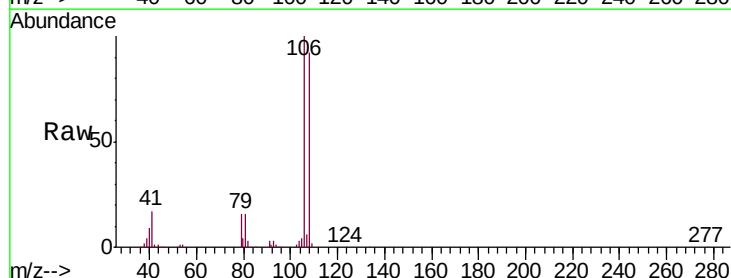
Tgt Ion: 108 Resp: 504354

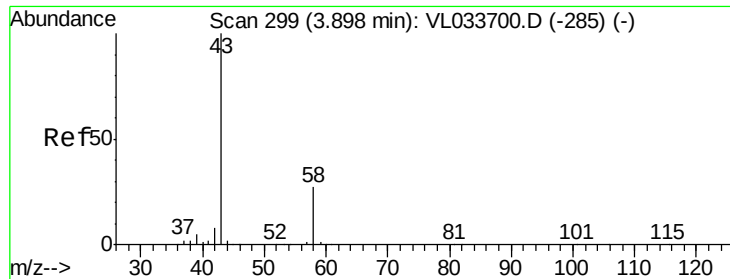
Ion Ratio Lower Upper

108 100

106 106.5 86.5 129.7

79 17.7 15.1 22.7





#15

Acetone

Concen: 8.017 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

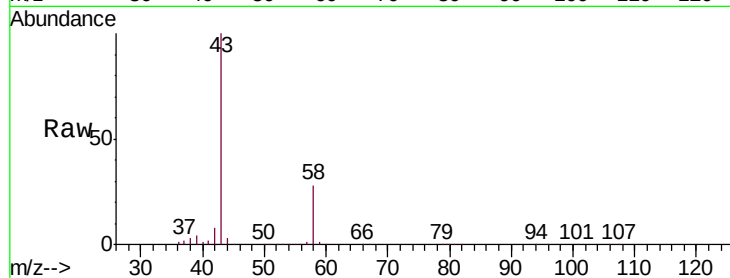
VL0528ABS01DUP

Tgt Ion: 43 Resp: 1111583

Ion Ratio Lower Upper

43 100

58 26.9 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.90

800000

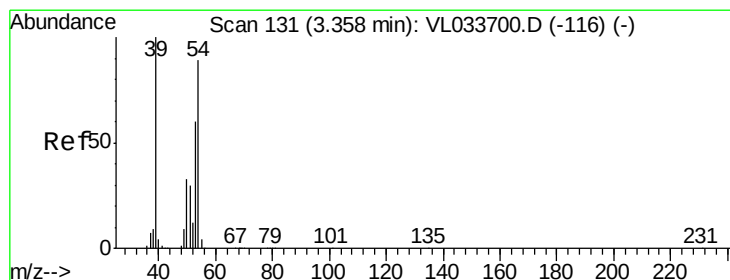
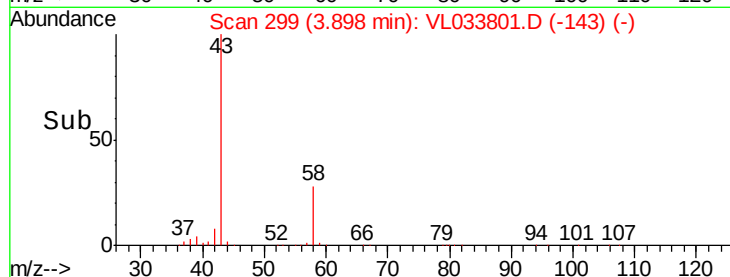
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 9.816 ppbv

RT: 3.36 min Scan# 131

Delta R.T. 0.00 min

Lab File: VL033801.D

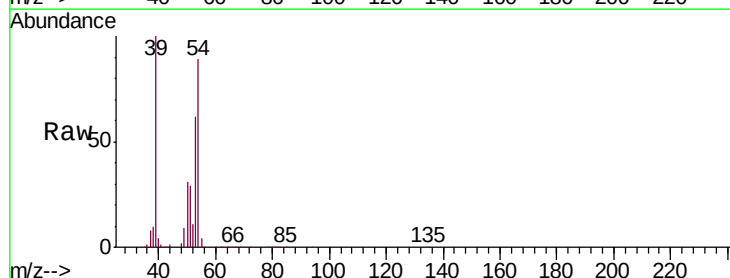
Acq: 28 May 2019 11:46

Tgt Ion: 39 Resp: 542008

Ion Ratio Lower Upper

39 100

54 86.1 69.0 103.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.36

400000

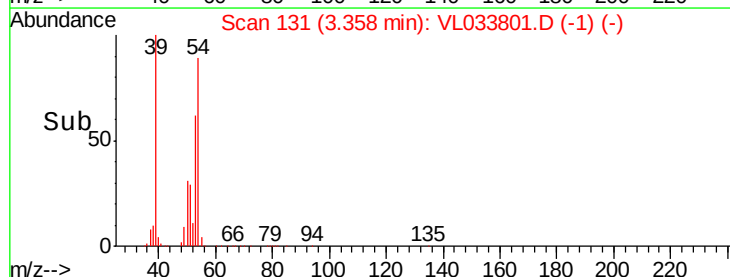
300000

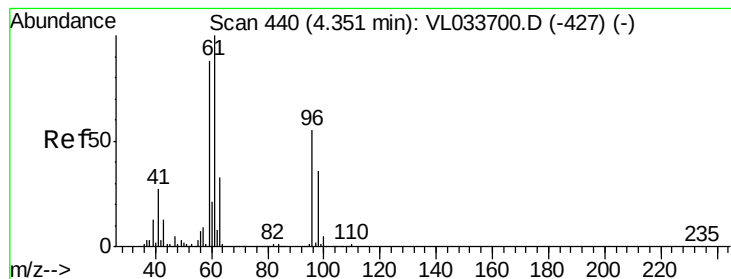
200000

100000

0

Time-->





#17

tert-Butyl alcohol
 Concen: 10.251 ppbv
 RT: 4.35 min Scan# 440
 Delta R.T. 0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

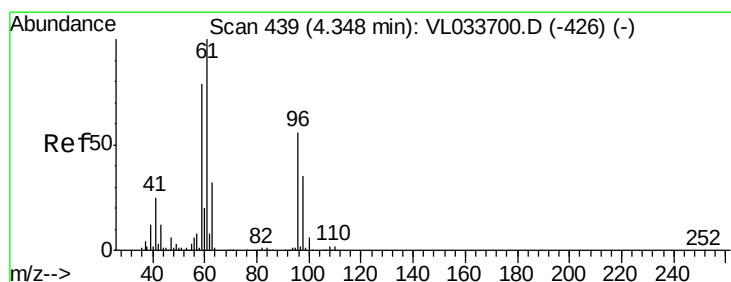
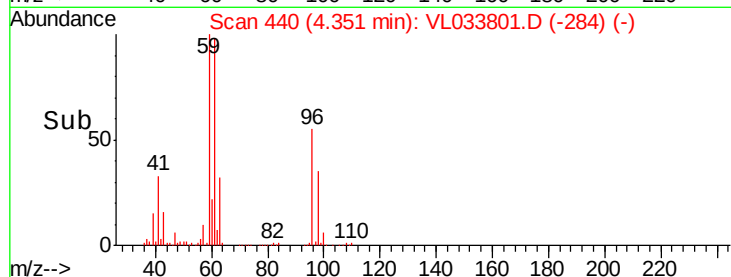
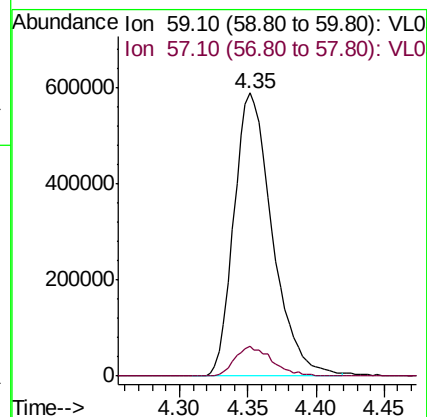
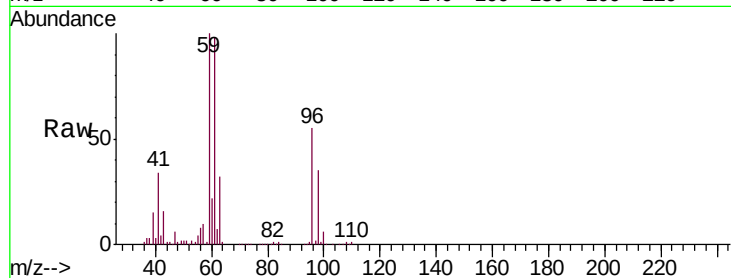
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

Tgt Ion: 59 Resp: 1149364

Ion Ratio Lower Upper

59 100

57 10.4 8.4 12.6



#18

1,1-Dichloroethene
 Concen: 9.447 ppbv
 RT: 4.35 min Scan# 438
 Delta R.T. -0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

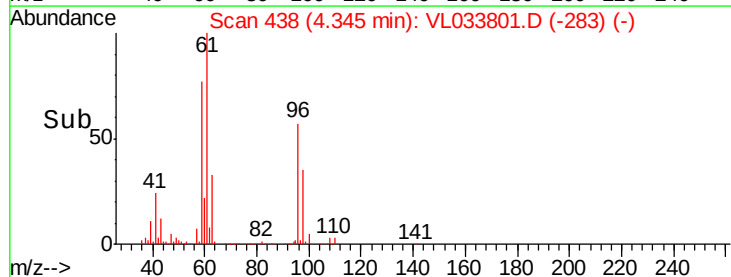
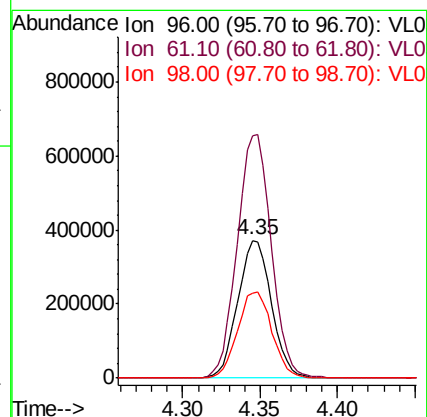
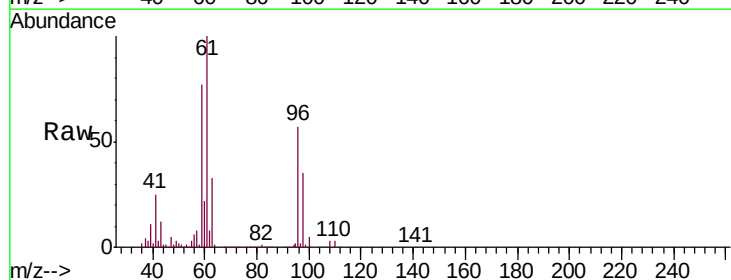
Tgt Ion: 96 Resp: 559697

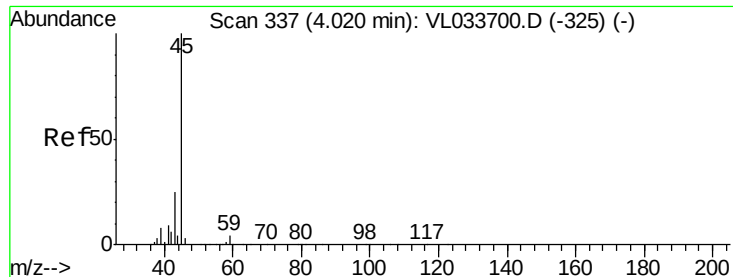
Ion Ratio Lower Upper

96 100

61 176.2 143.1 214.7

98 61.3 49.5 74.3





#19

Isopropyl Alcohol

Concen: 9.454 ppbv

RT: 4.02 min Scan# 337

Delta R.T. 0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

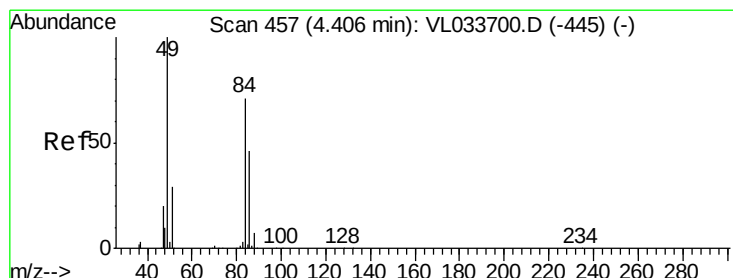
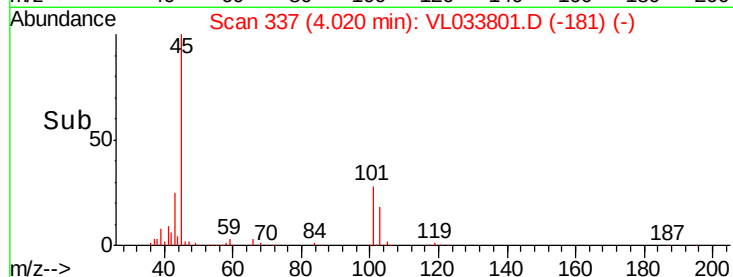
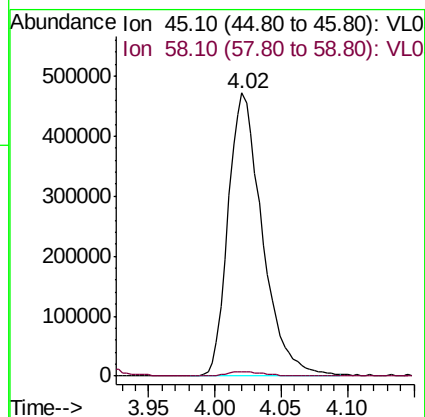
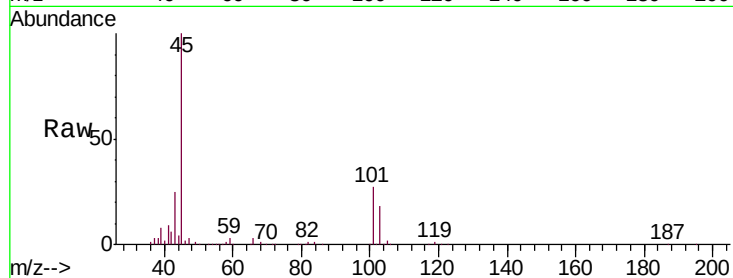
VL0528ABS01DUP

Tgt Ion: 45 Resp: 845229

Ion Ratio Lower Upper

45 100

58 2.2 1.6 2.4



#20

Methylene Chloride

Concen: 8.855 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Tgt Ion: 84 Resp: 472731

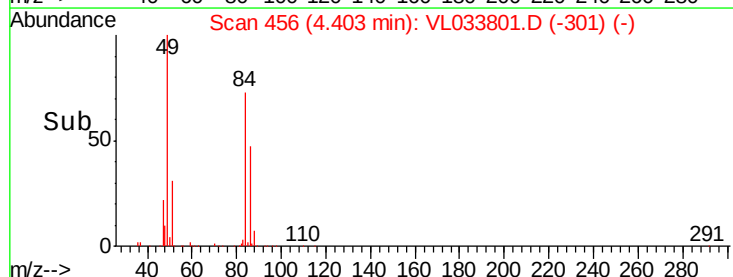
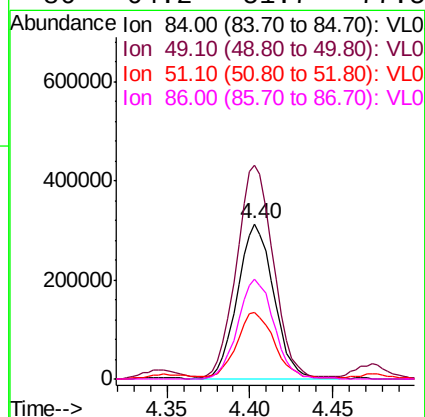
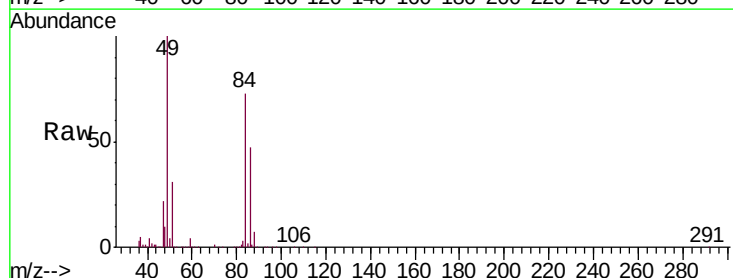
Ion Ratio Lower Upper

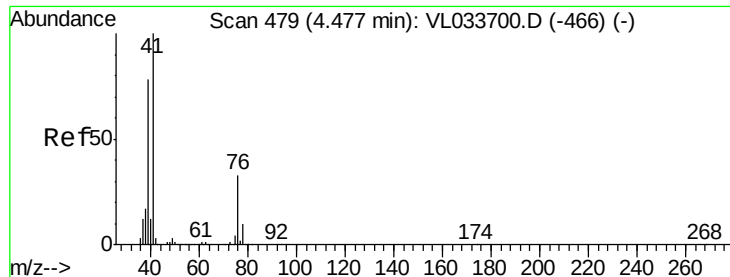
84 100

49 136.2 112.8 169.2

51 41.9 33.4 50.0

86 64.2 51.7 77.5

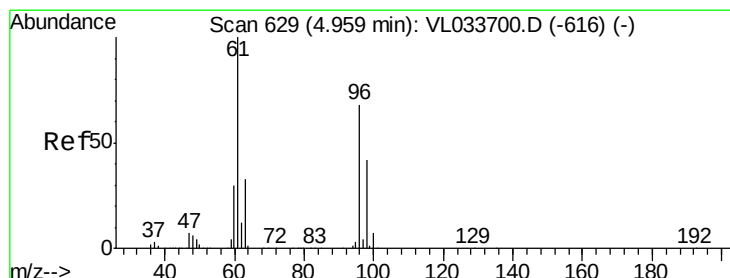
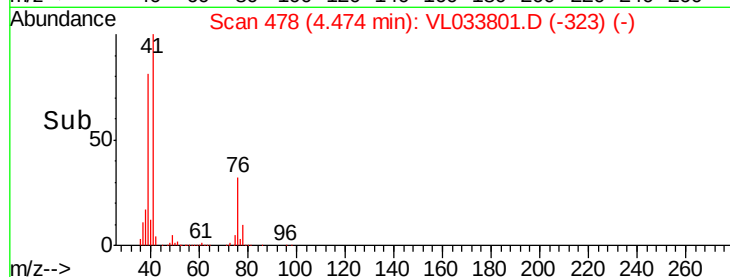
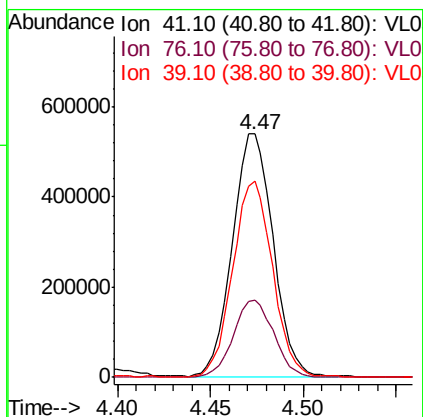
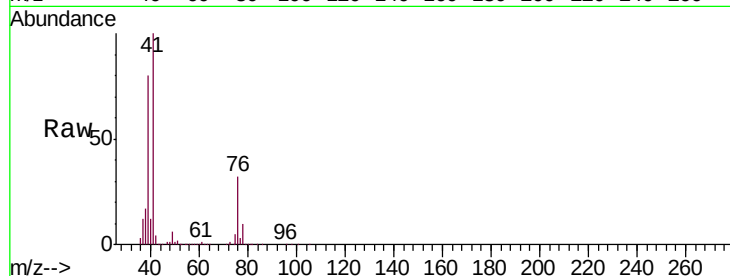




#21
 Allyl Chloride
 Concen: 9.478 ppbv
 RT: 4.47 min Scan# 478
 Delta R.T. -0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

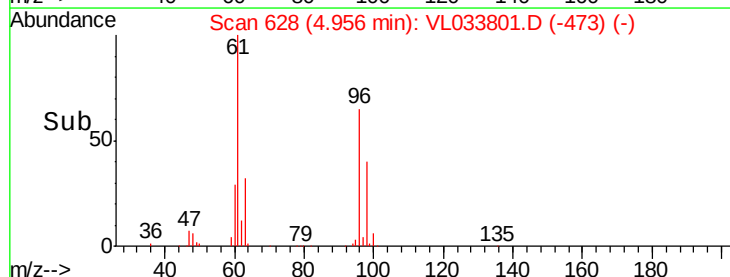
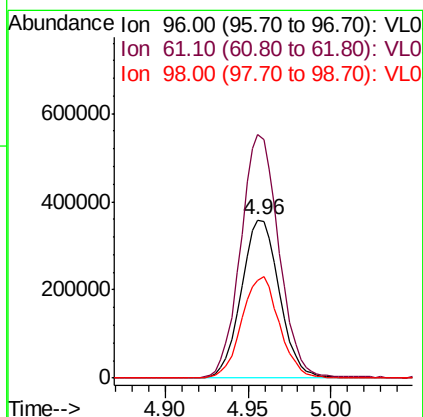
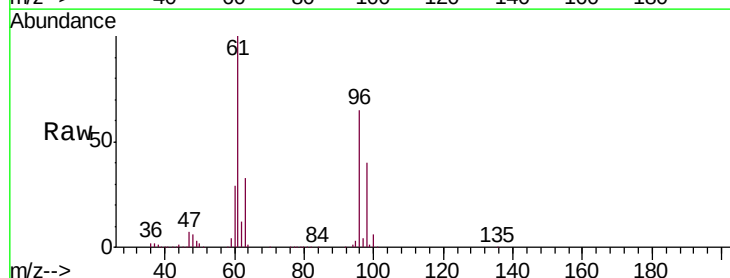
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

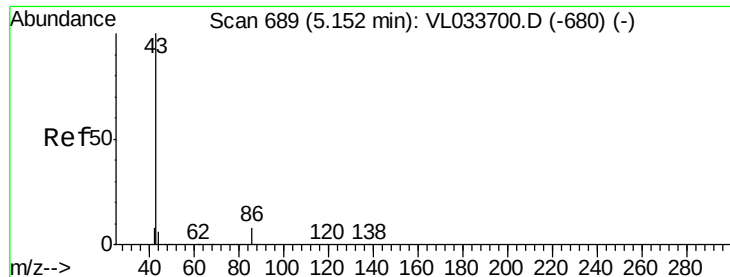
Tgt Ion: 41 Resp: 819748
 Ion Ratio Lower Upper
 41 100
 76 31.9 25.9 38.9
 39 79.6 64.6 97.0



#22
 trans-1,2-Dichloroethene
 Concen: 9.458 ppbv
 RT: 4.96 min Scan# 628
 Delta R.T. -0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Tgt Ion: 96 Resp: 574376
 Ion Ratio Lower Upper
 96 100
 61 153.9 116.8 175.2
 98 61.6 49.4 74.0





#23

Vinyl Acetate

Concen: 9.607 ppbv

RT: 5.15 min Scan# 688

Delta R.T. -0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tgt Ion: 43 Resp: 1756294

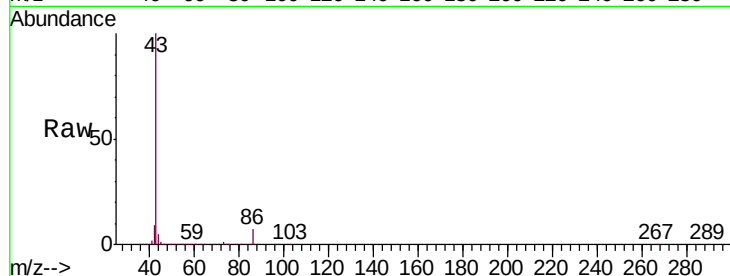
Ion Ratio Lower Upper

43 100

86 7.4 6.0 9.0

42 9.2 7.5 11.3

44 5.0 4.4 6.6

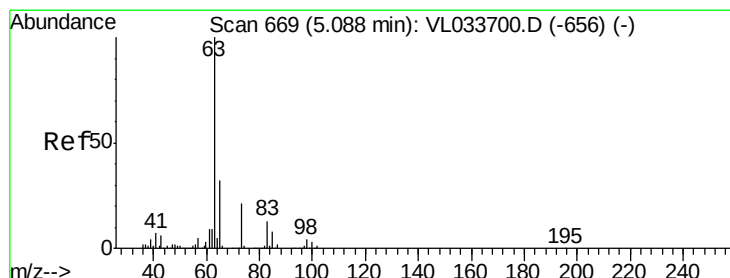
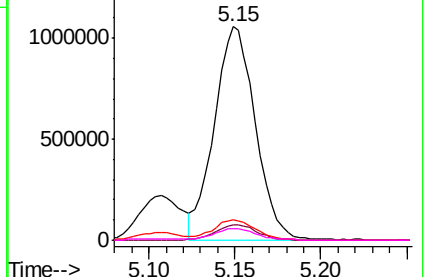
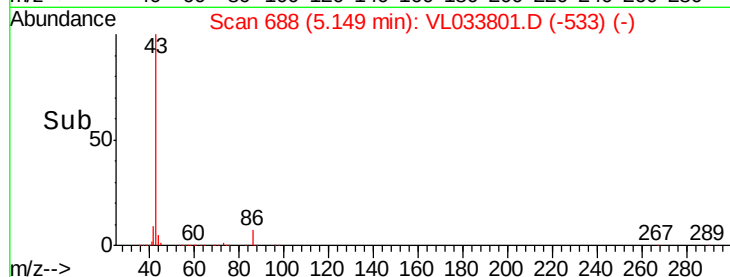


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.008 ppbv

RT: 5.09 min Scan# 669

Delta R.T. 0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

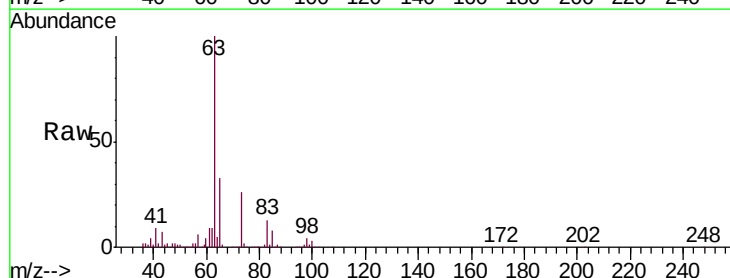
Tgt Ion: 63 Resp: 1251900

Ion Ratio Lower Upper

63 100

98 4.4 1.8 5.5

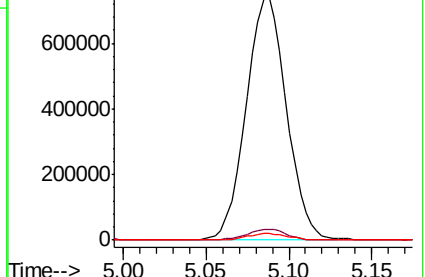
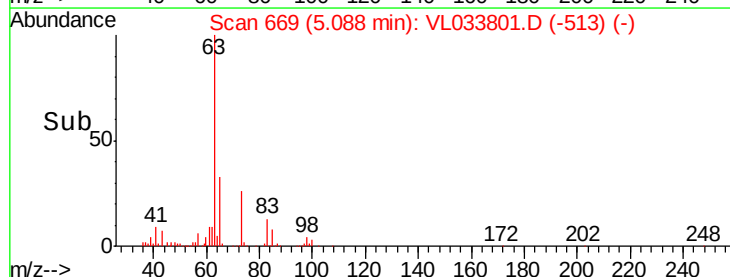
100 2.8 1.4 4.2

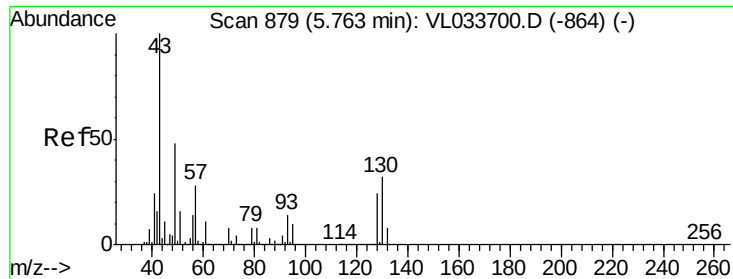


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



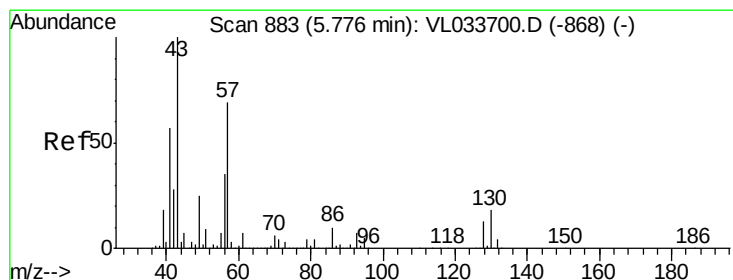
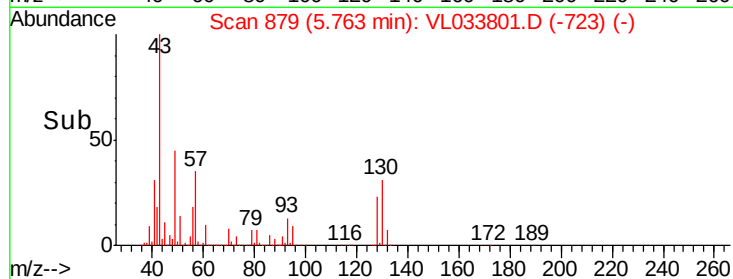
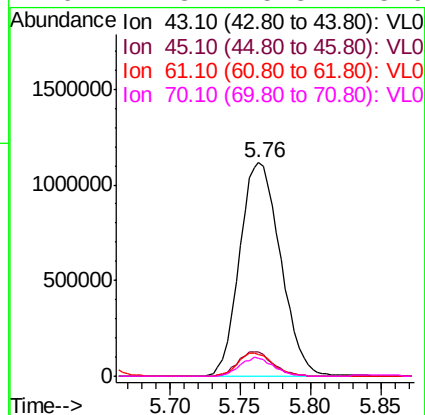
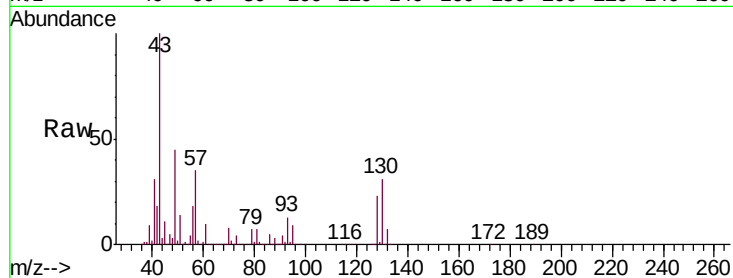


#25
Ethyl Acetate
Concen: 9.289 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01DUP

Tgt Ion: 43 Resp: 2262579

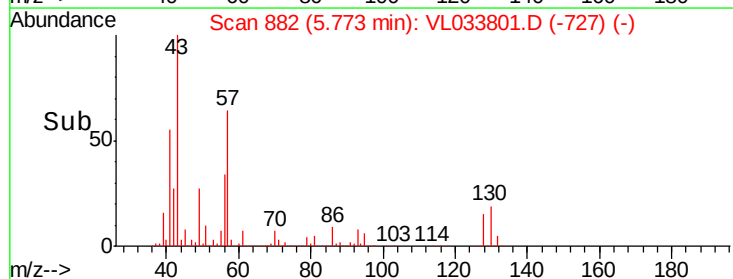
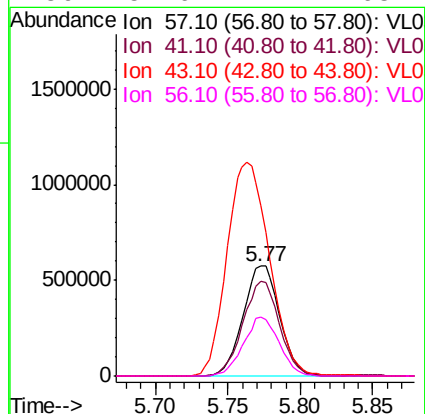
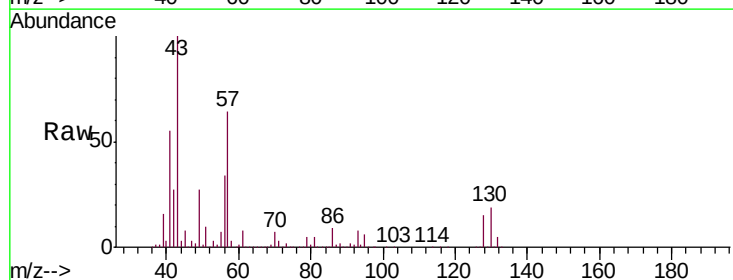
Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.5	7.7	11.5
70	7.3	5.8	8.6

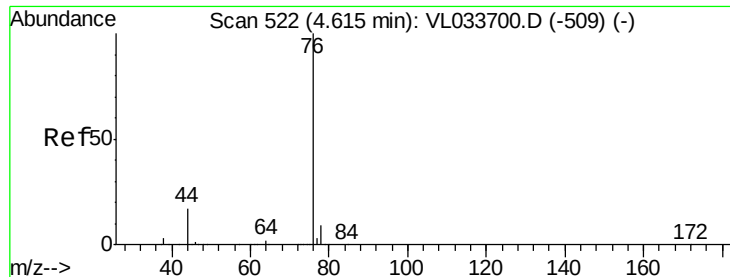


#26
Hexane
Concen: 9.612 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

Tgt Ion: 57 Resp: 1006503

Ion	Ratio	Lower	Upper
57	100		
41	86.2	69.8	104.6
43	225.7	181.8	272.6
56	52.6	42.1	63.1





#27

Carbon Disulfide

Concen: 9.701 ppbv

RT: 4.62 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

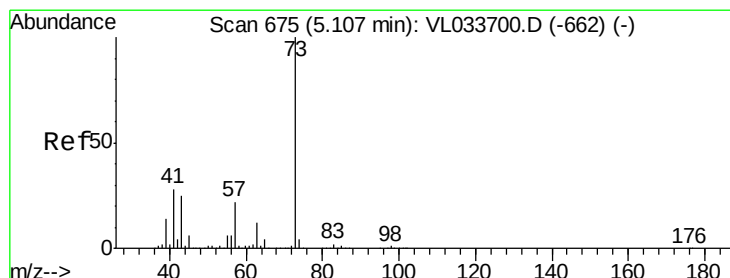
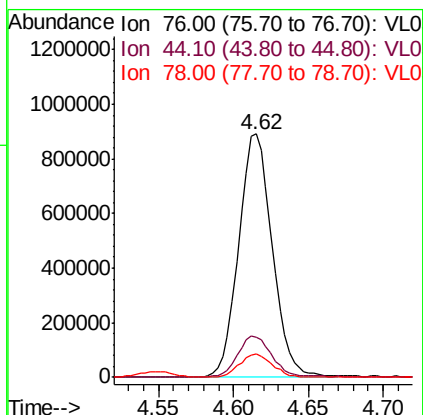
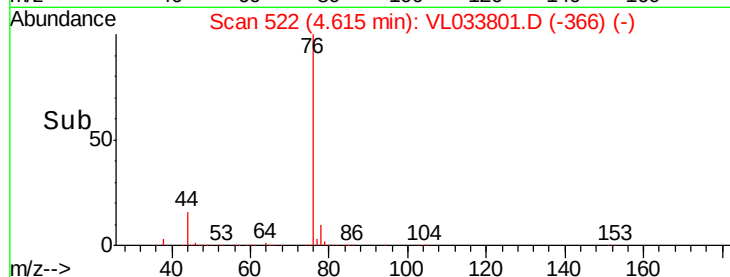
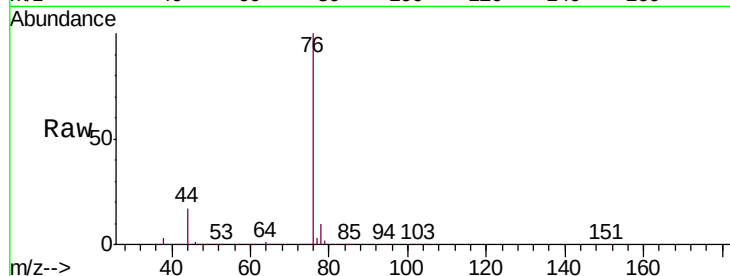
Tgt Ion: 76 Resp: 1393670

Ion Ratio Lower Upper

76 100

44 17.1 13.8 20.8

78 9.2 7.4 11.0



#28

Methyl tert-Butyl Ether

Concen: 9.656 ppbv

RT: 5.11 min Scan# 675

Delta R.T. 0.00 min

Lab File: VL033801.D

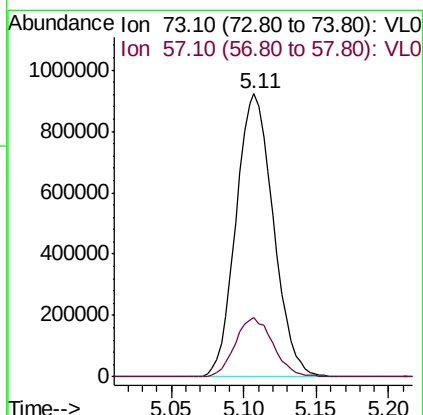
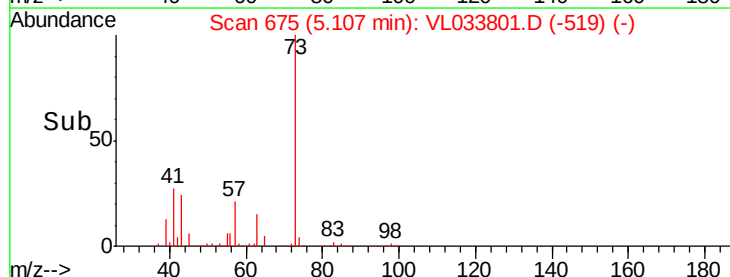
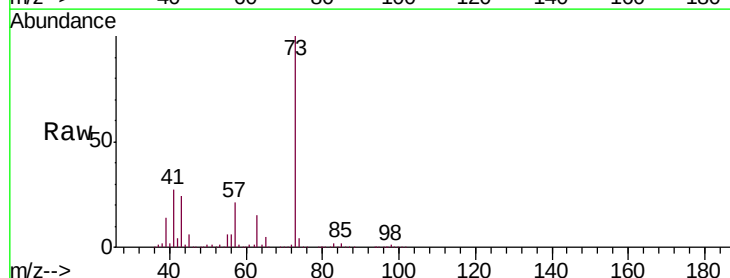
Acq: 28 May 2019 11:46

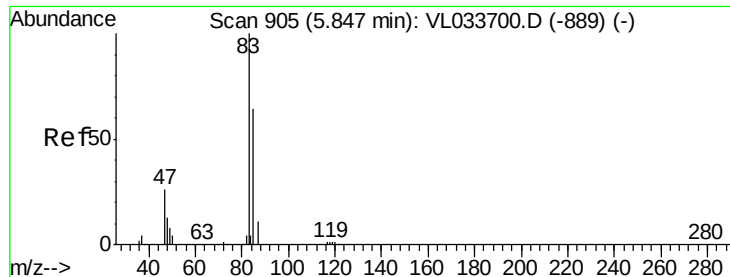
Tgt Ion: 73 Resp: 1648389

Ion Ratio Lower Upper

73 100

57 21.3 17.4 26.2

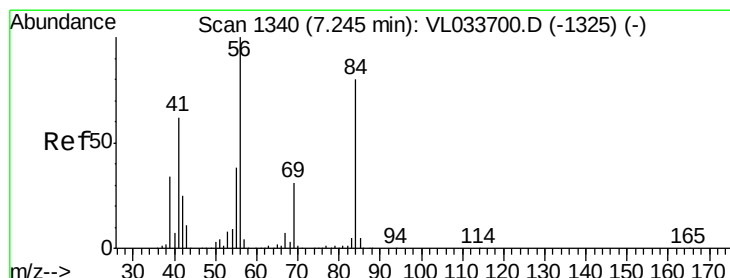
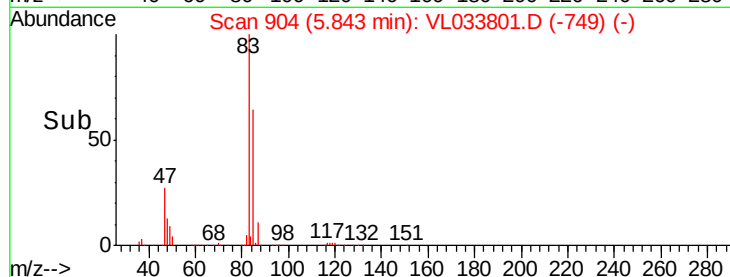
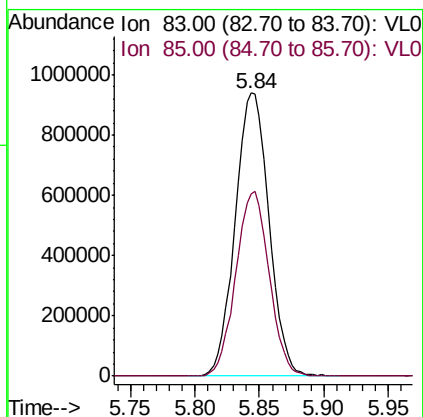
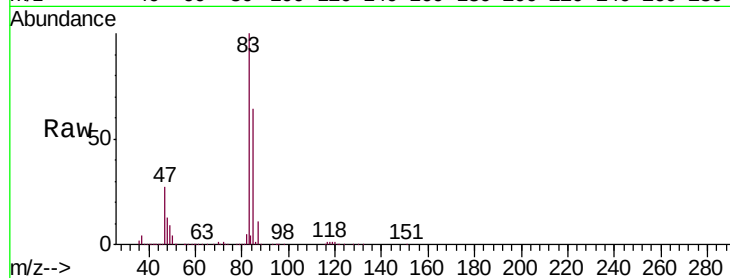




#29
Chloroform
Concen: 8.881 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

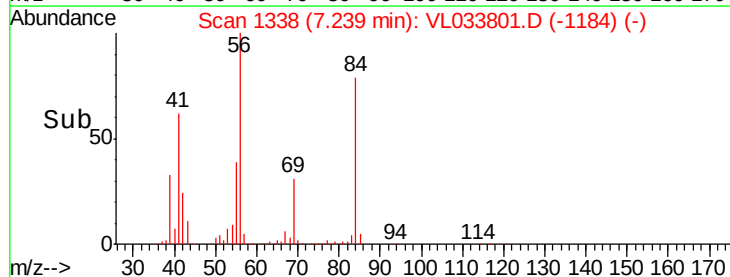
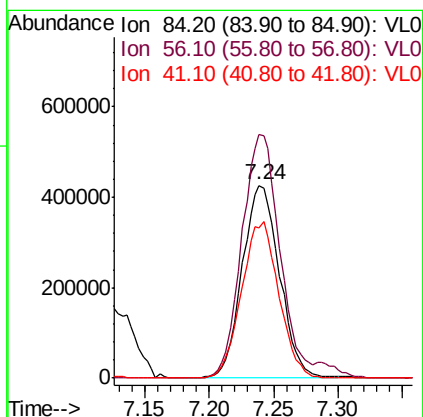
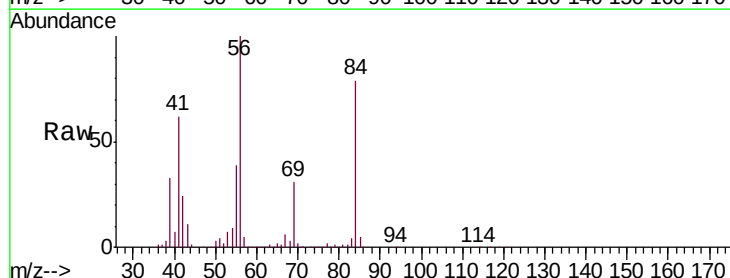
Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01DUP

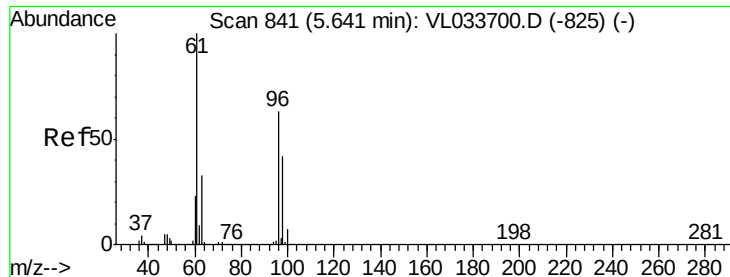
Tgt Ion: 83 Resp: 1712913
Ion Ratio Lower Upper
83 100
85 64.3 51.5 77.3



#30
Cyclohexane
Concen: 9.759 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

Tgt Ion: 84 Resp: 859105
Ion Ratio Lower Upper
84 100
56 133.0 107.7 161.5
41 81.4 66.0 99.0





#31

cis-1,2-Dichloroethene

Concen: 9.489 ppbv

RT: 5.63 min Scan# 839

Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

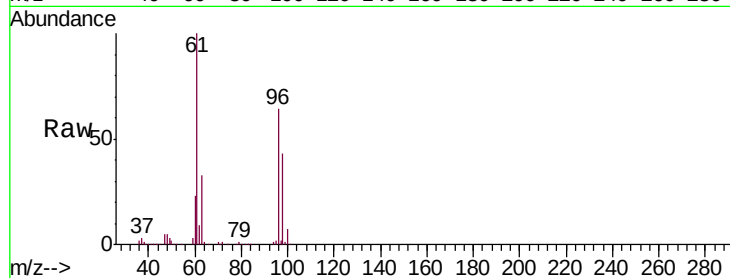
Tgt Ion: 61 Resp: 985221

Ion Ratio Lower Upper

61 100

96 64.2 50.8 76.2

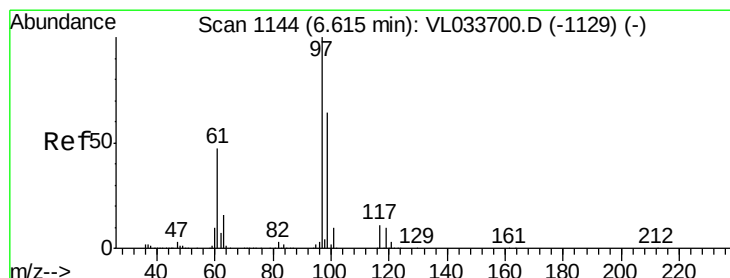
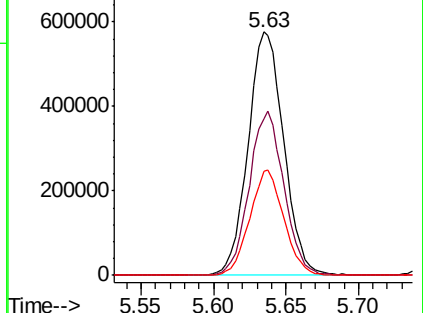
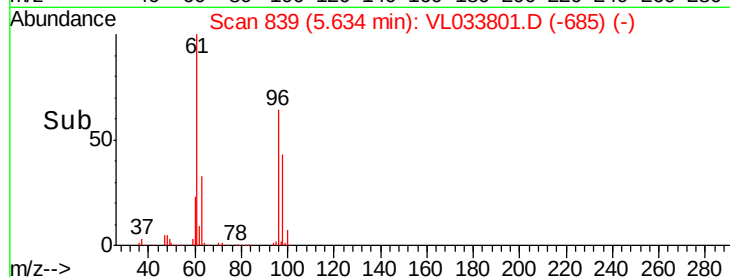
98 43.0 33.3 49.9



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 8.721 ppbv

RT: 6.62 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

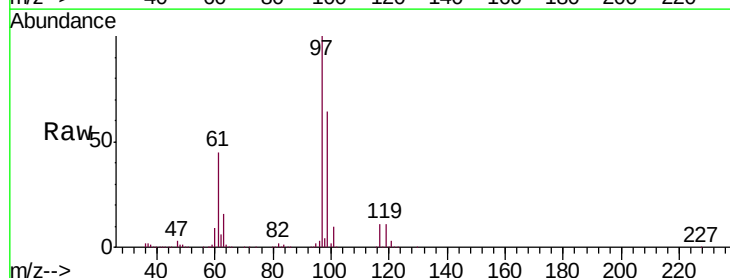
Tgt Ion: 97 Resp: 1679621

Ion Ratio Lower Upper

97 100

99 64.2 51.5 77.3

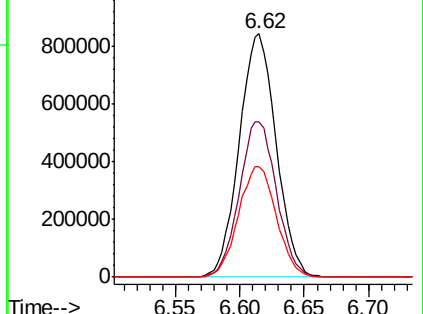
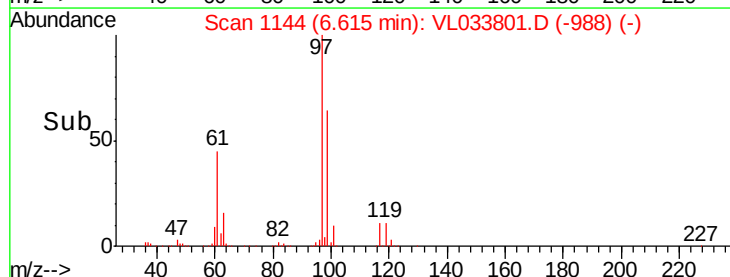
61 46.6 37.8 56.8

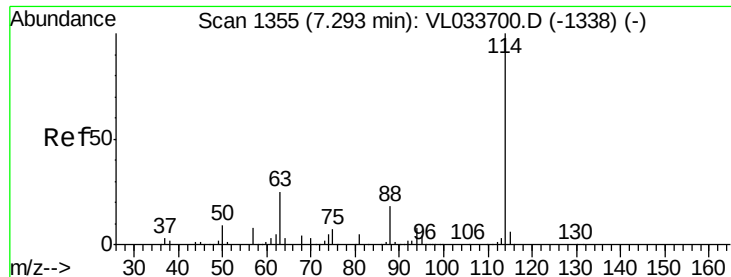


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

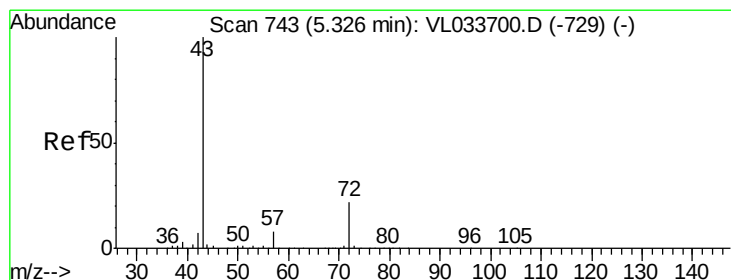
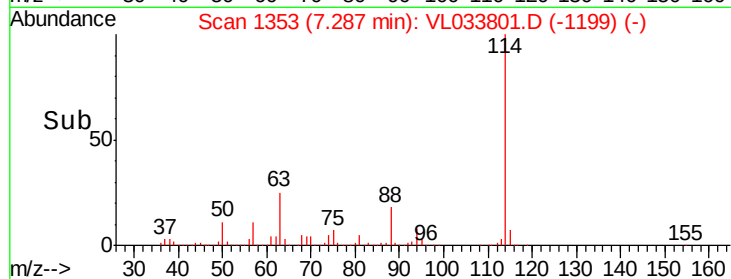
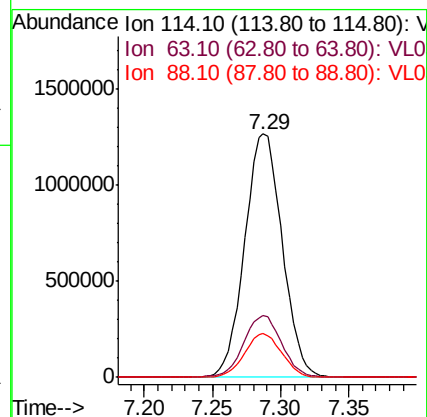
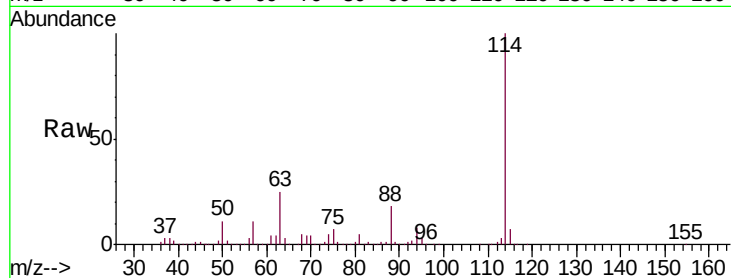




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

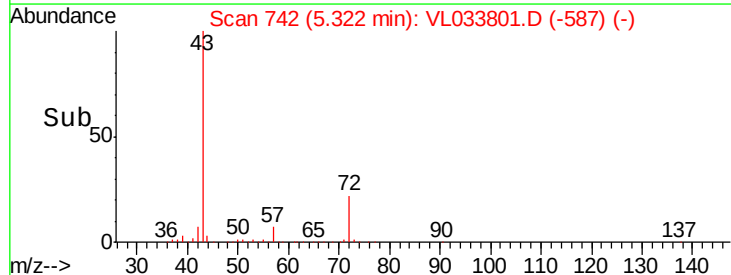
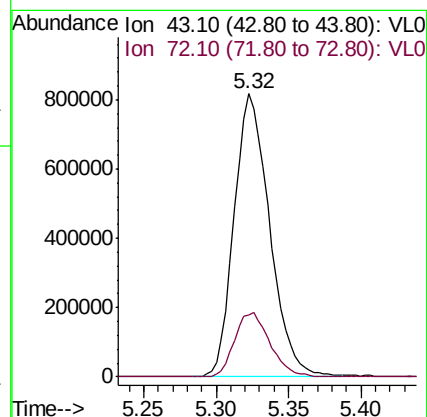
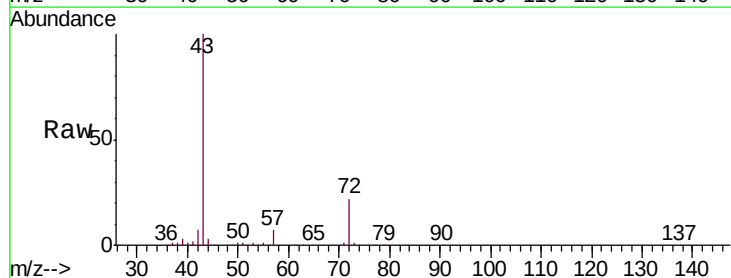
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

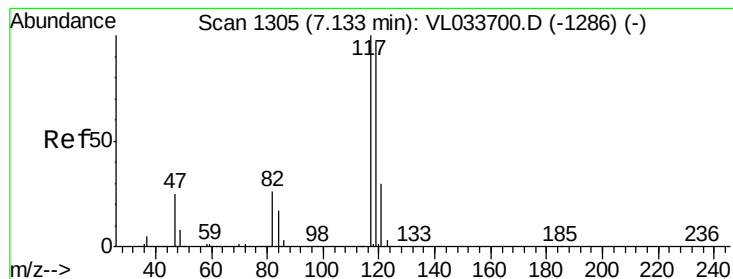
Tgt Ion: 114 Resp: 2414602
 Ion Ratio Lower Upper
 114 100
 63 25.9 20.9 31.3
 88 17.9 14.3 21.5



#34
 2-Butanone
 Concen: 9.274 ppbv
 RT: 5.32 min Scan# 742
 Delta R.T. -0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Tgt Ion: 43 Resp: 1388012
 Ion Ratio Lower Upper
 43 100
 72 22.9 17.8 26.6





#35

Carbon Tetrachloride

Concen: 9.379 ppbv

RT: 7.13 min Scan# 1303

Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

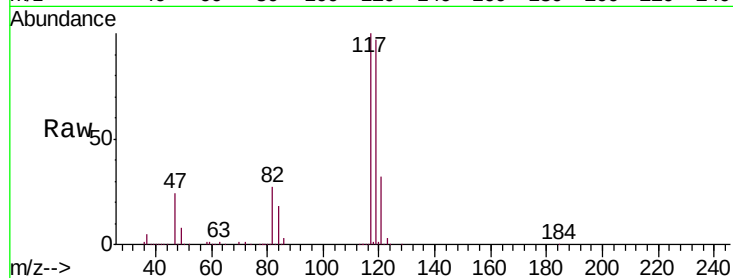
Tgt Ion: 117 Resp: 1814074

Ion Ratio Lower Upper

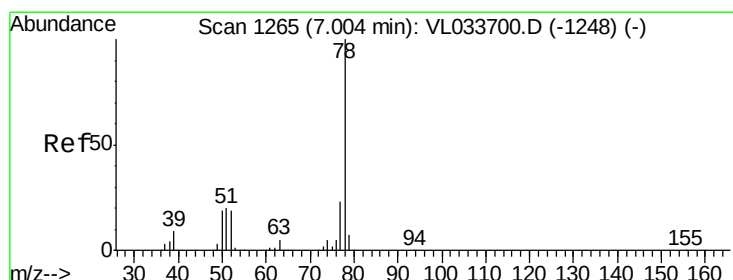
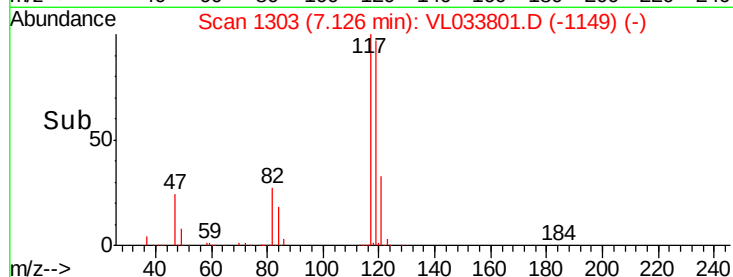
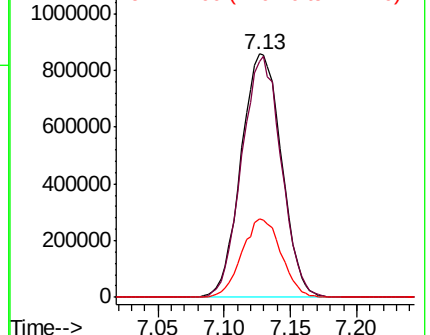
117 100

119 96.8 77.2 115.8

121 32.5 24.1 36.1



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



#36

Benzene

Concen: 9.212 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

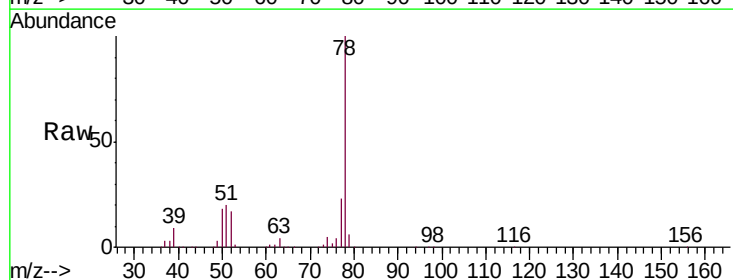
Tgt Ion: 78 Resp: 2023386

Ion Ratio Lower Upper

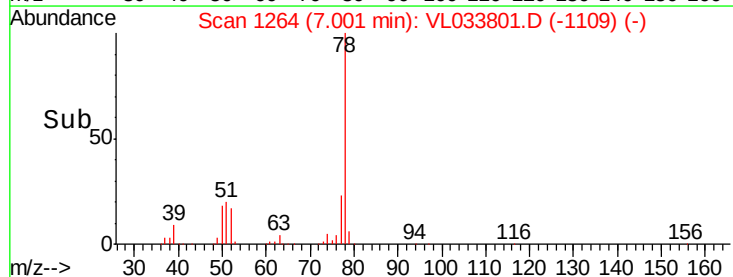
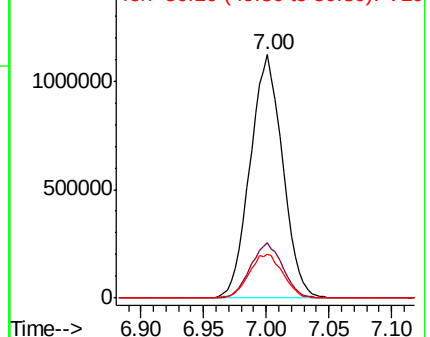
78 100

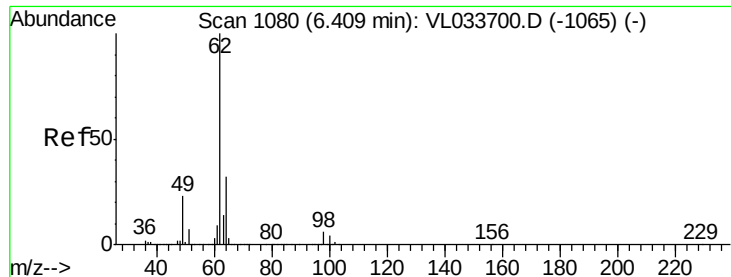
77 22.6 18.4 27.6

50 17.9 15.5 23.3



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

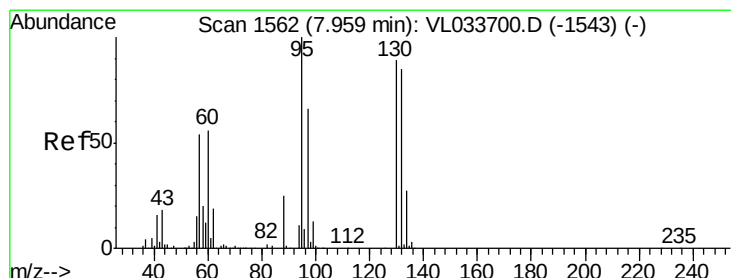
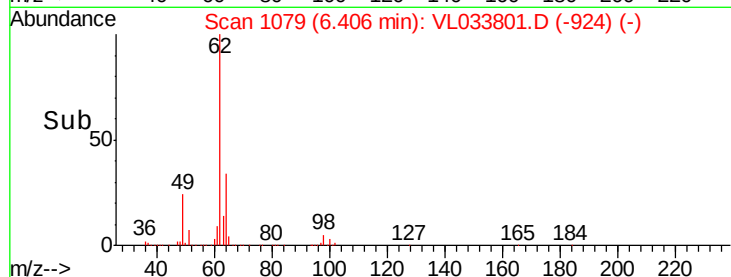
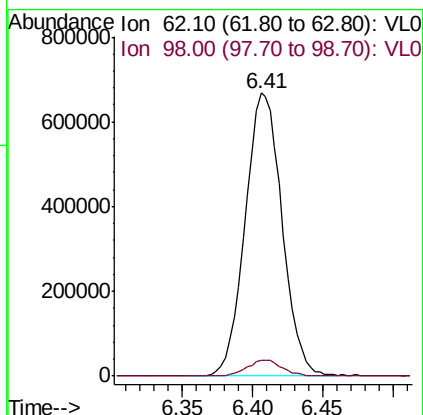
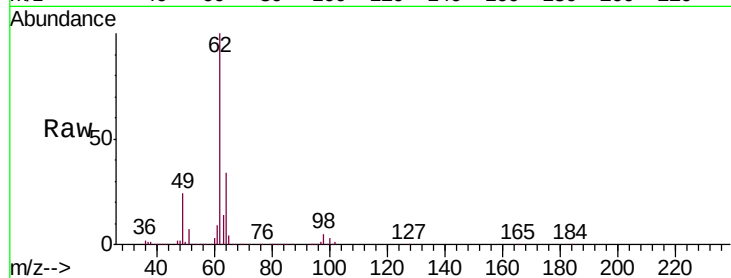




#37
 1,2-Dichloroethane
 Concen: 8.642 ppbv
 RT: 6.41 min Scan# 1079
 Delta R.T. -0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

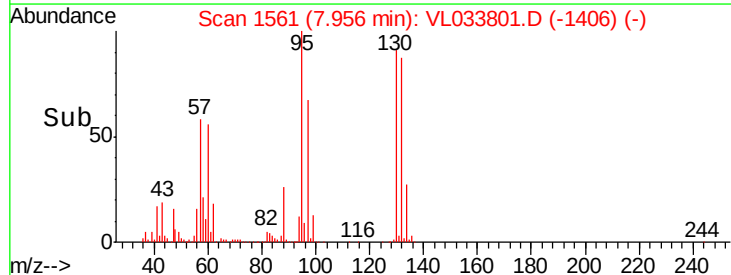
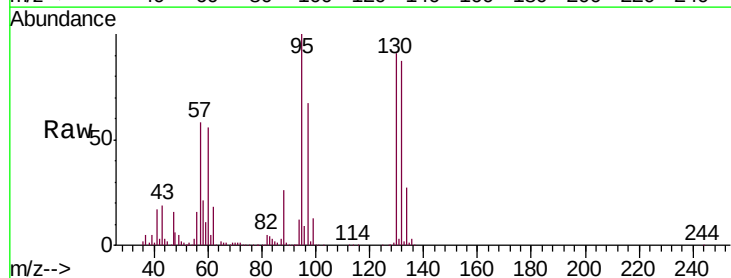
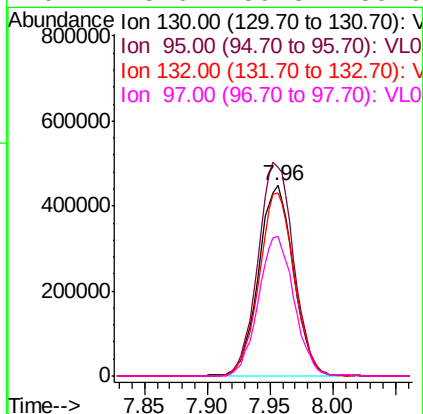
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

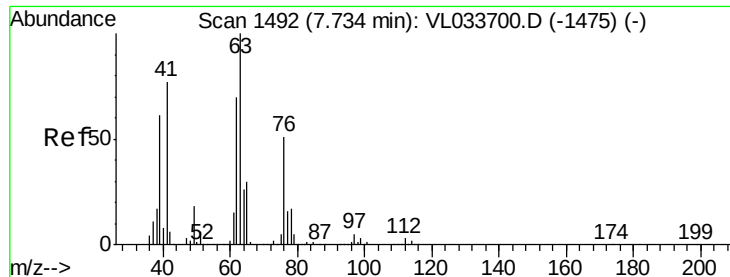
Tgt Ion: 62 Resp: 1224513
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.5 6.7



#38
 Trichloroethene
 Concen: 10.717 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Tgt Ion: 130 Resp: 873501
 Ion Ratio Lower Upper
 130 100
 95 109.9 90.2 135.4
 132 95.8 76.4 114.6
 97 73.6 59.8 89.6





#39

1,2-Dichloropropane

Concen: 9.626 ppbv

RT: 7.73 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

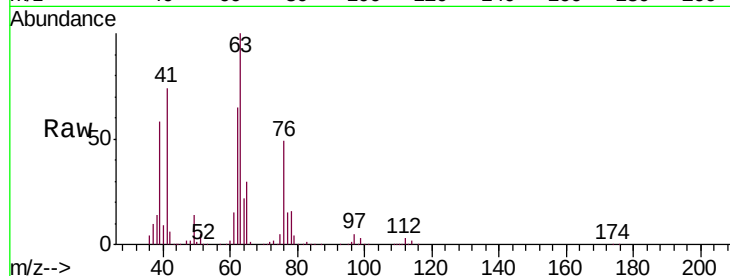
Tgt Ion: 63 Resp: 788297

Ion Ratio Lower Upper

63 100

41 73.9 61.5 92.3

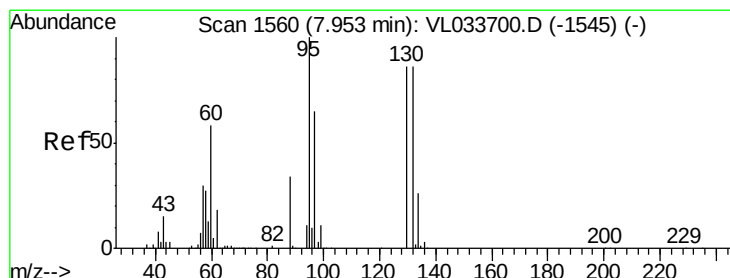
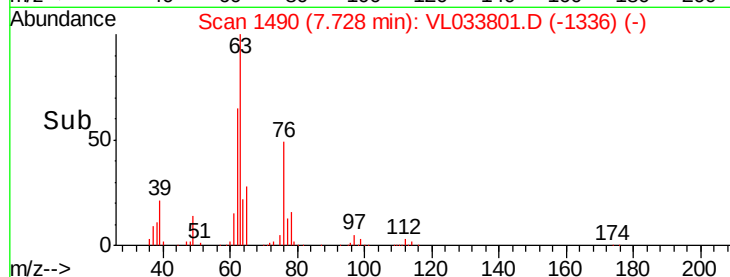
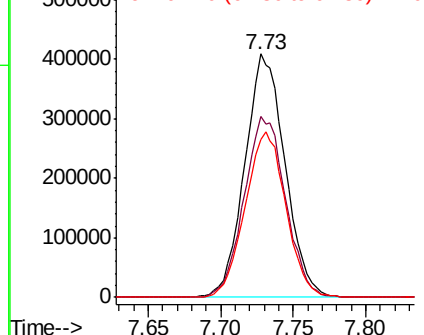
62 64.8 56.2 84.4



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.040 ppbv

RT: 7.95 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Tgt Ion: 88 Resp: 343929

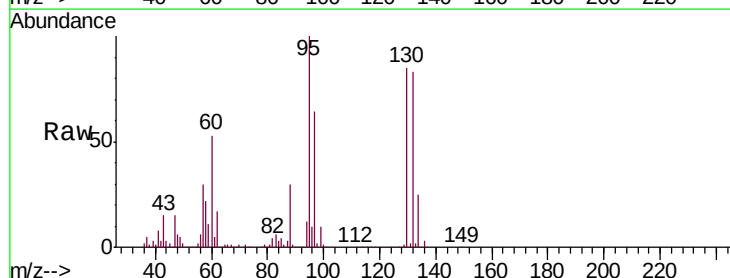
Ion Ratio Lower Upper

88 100

58 120.9 101.8 152.6

43 231.5 0.0 0.0#

57 1035.4 0.0 0.0#

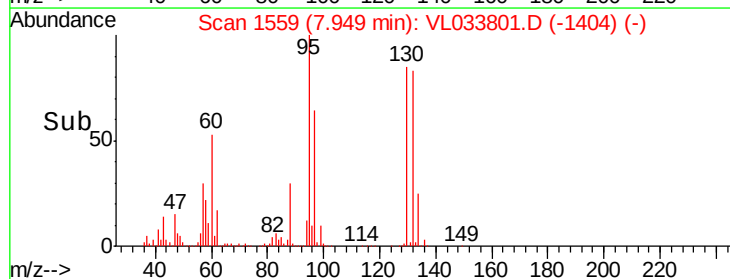
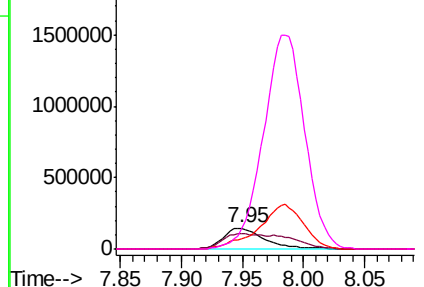


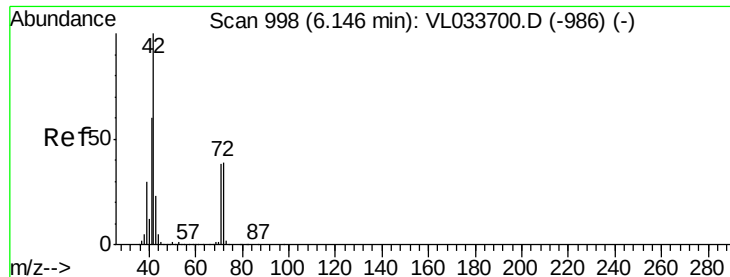
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 9.255 ppbv

RT: 6.14 min Scan# 997

Delta R.T. -0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

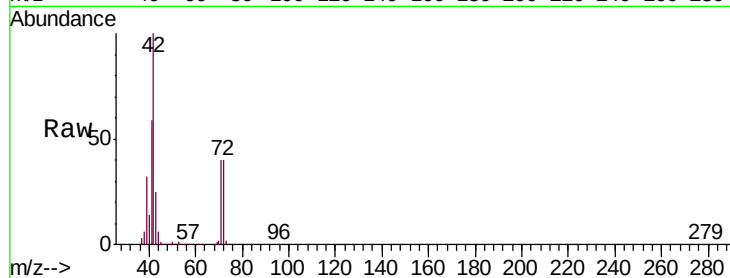
Tgt Ion: 42 Resp: 776087

Ion Ratio Lower Upper

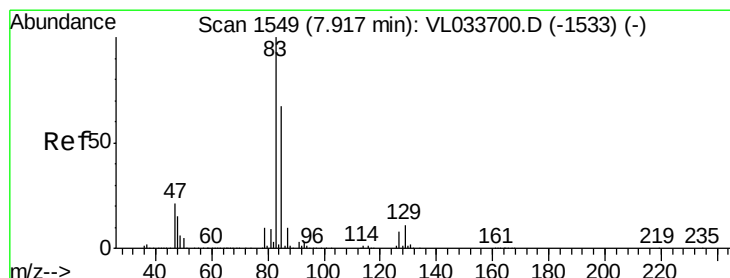
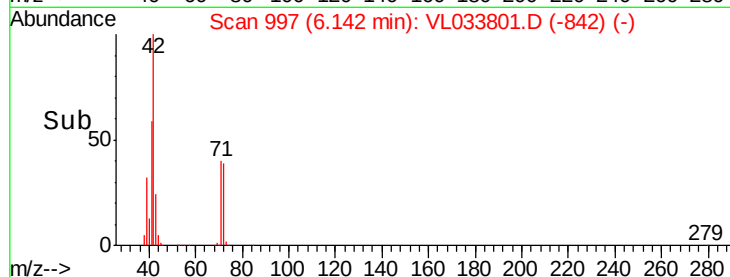
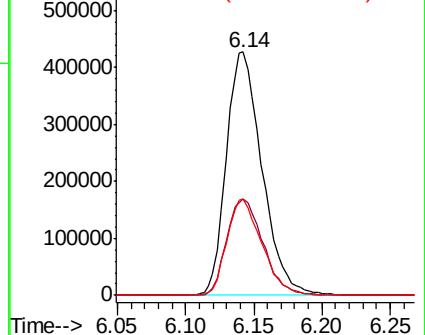
42 100

72 40.5 32.0 48.0

71 39.1 30.4 45.6



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



#42

Bromodichloromethane

Concen: 9.683 ppbv

RT: 7.91 min Scan# 1547

Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

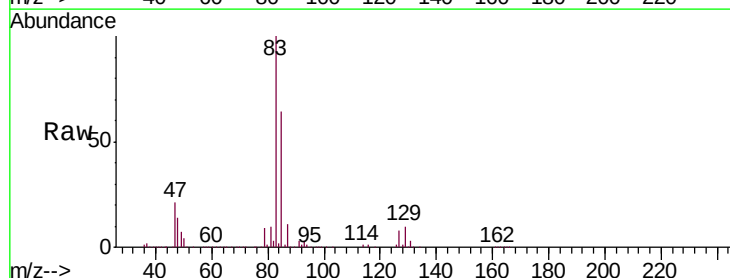
Tgt Ion: 83 Resp: 1878161

Ion Ratio Lower Upper

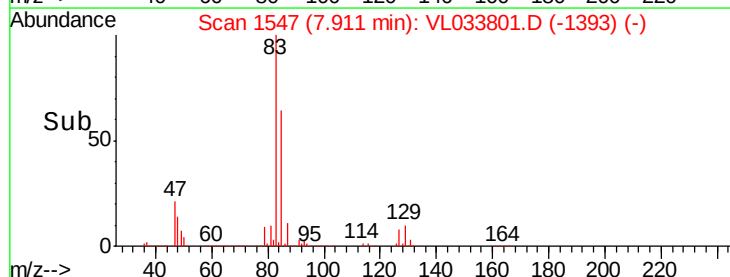
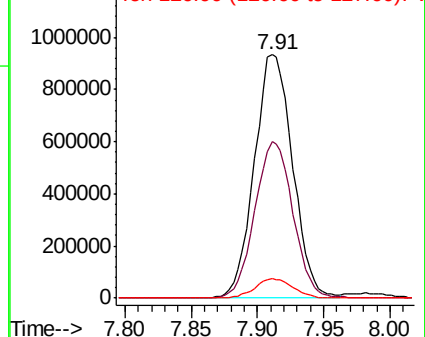
83 100

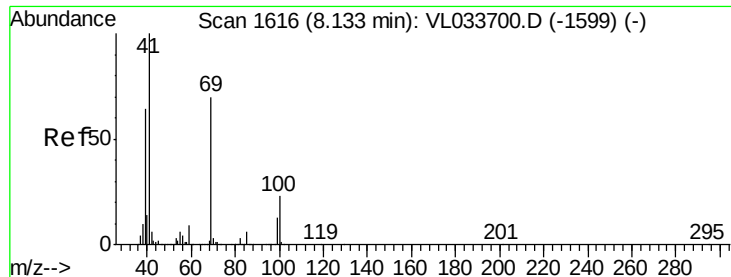
85 64.3 53.3 79.9

127 8.0 6.5 9.7



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

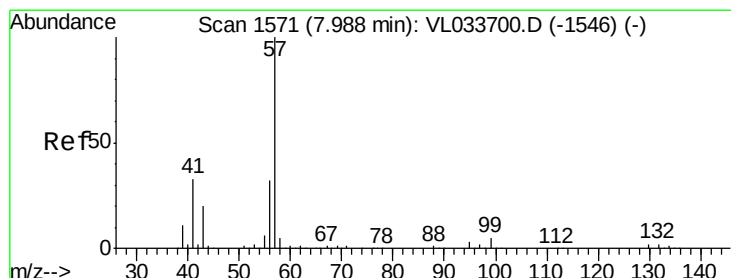
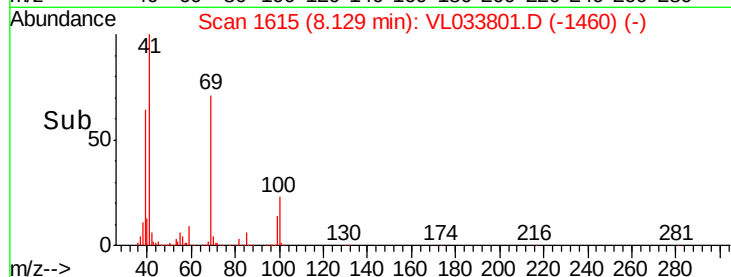
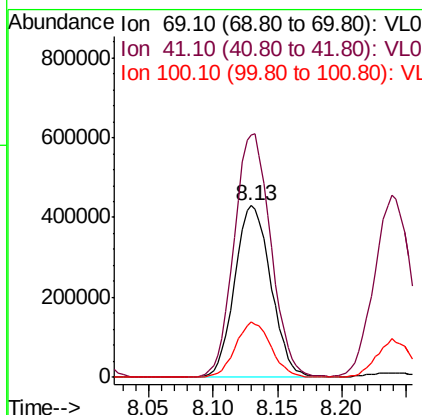
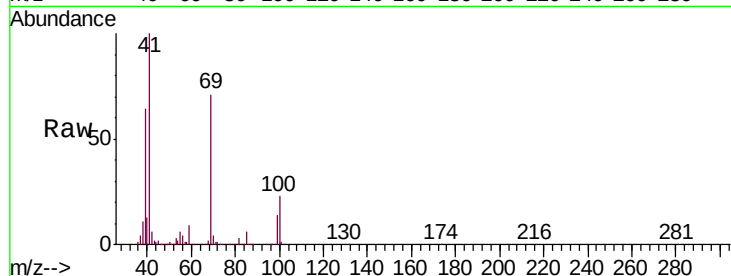




#43
Methyl Methacrylate
Concen: 10.408 ppbv
RT: 8.13 min Scan# 1615
Delta R.T. -0.00 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

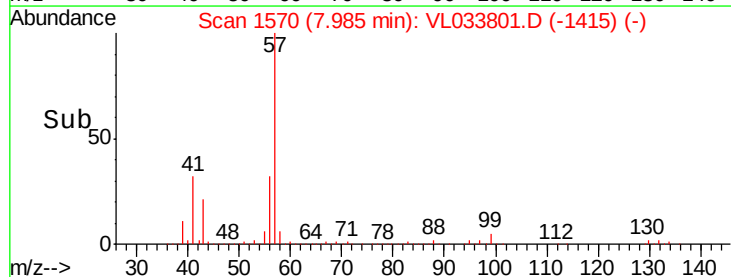
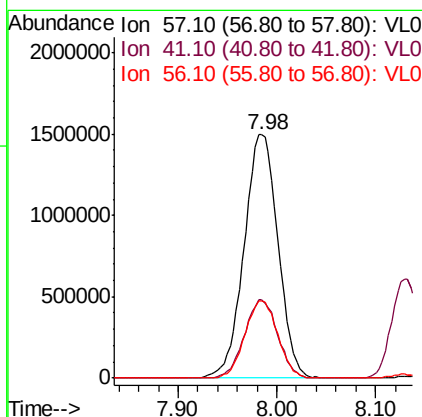
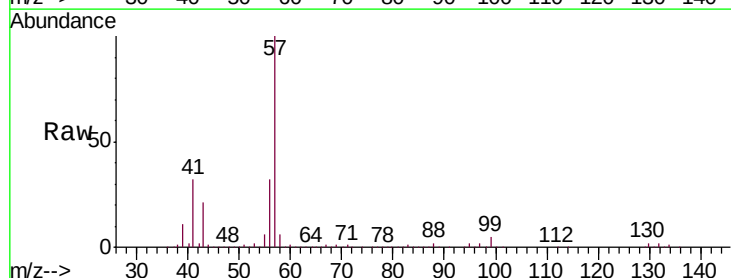
Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01DUP

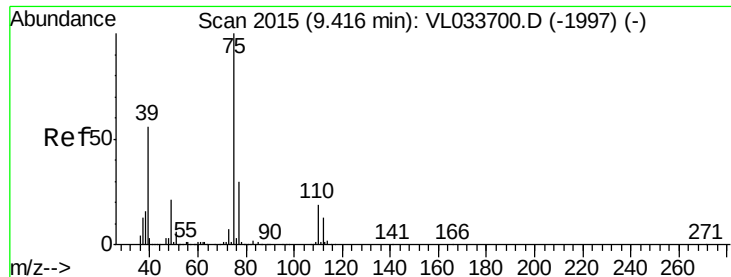
Tgt Ion: 69 Resp: 841326
Ion Ratio Lower Upper
69 100
41 143.1 116.3 174.5
100 31.5 25.3 37.9



#44
2,2,4-Trimethylpentane
Concen: 9.585 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

Tgt Ion: 57 Resp: 3558291
Ion Ratio Lower Upper
57 100
41 31.5 25.4 38.0
56 30.9 24.7 37.1





#45

t-1,3-Dichloropropene

Concen: 10.353 ppbv

RT: 9.41 min Scan# 2013

Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

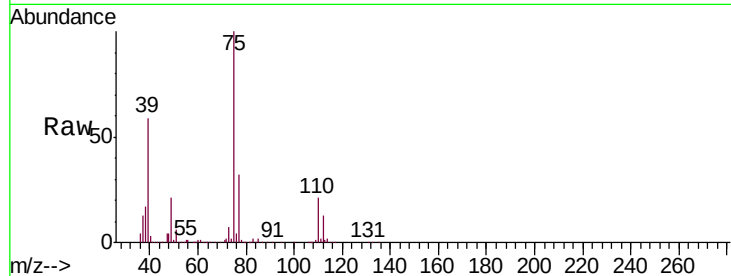
VL0528ABS01DUP

Tgt Ion: 75 Resp: 1060922

Ion Ratio Lower Upper

75 100

77 32.4 24.4 36.6



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.41

600000

500000

400000

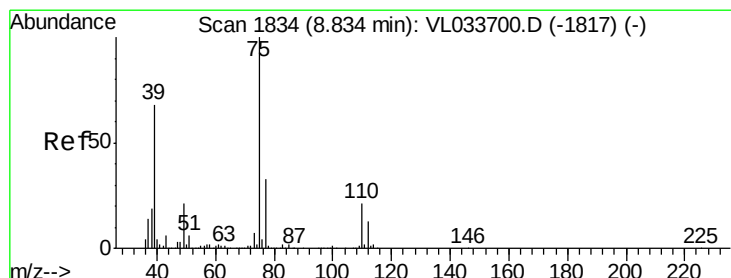
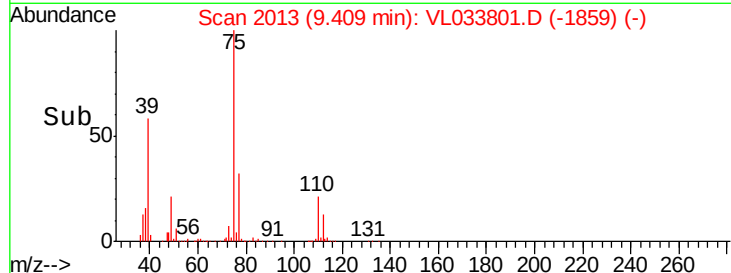
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.079 ppbv

RT: 8.83 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

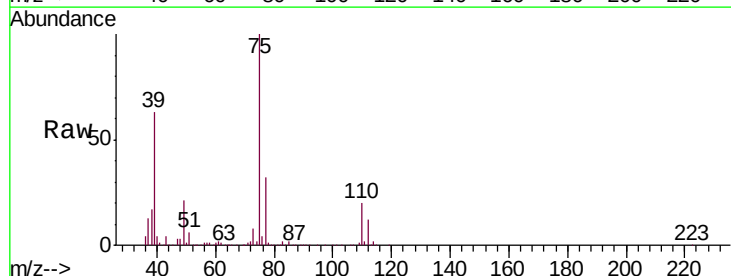
Tgt Ion: 75 Resp: 1209412

Ion Ratio Lower Upper

75 100

39 63.3 54.4 81.6

77 31.7 26.6 39.8



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

800000

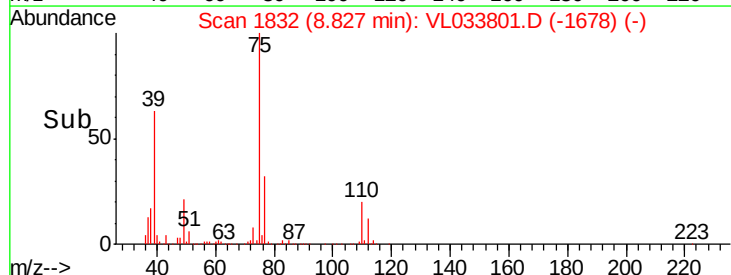
600000

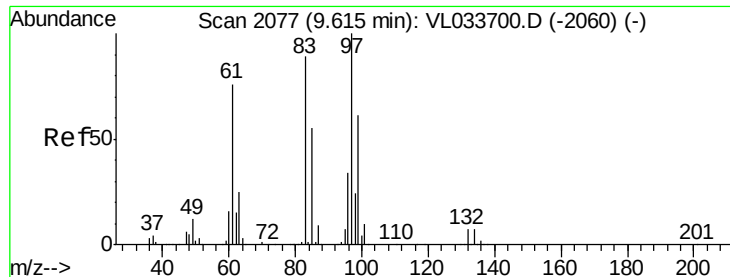
400000

200000

0

Time-->





#47

1,1,2-Trichloroethane

Concen: 8.992 ppbv

RT: 9.61 min Scan# 2075

Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tgt Ion: 97 Resp: 836484

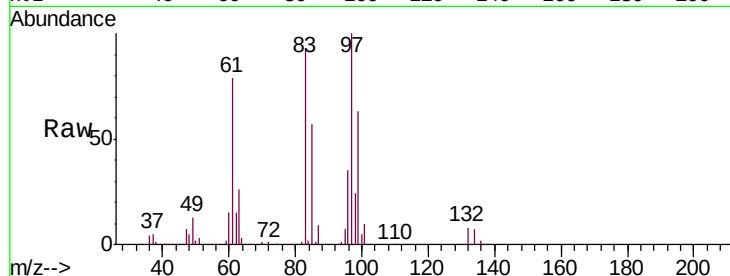
Ion Ratio Lower Upper

97 100

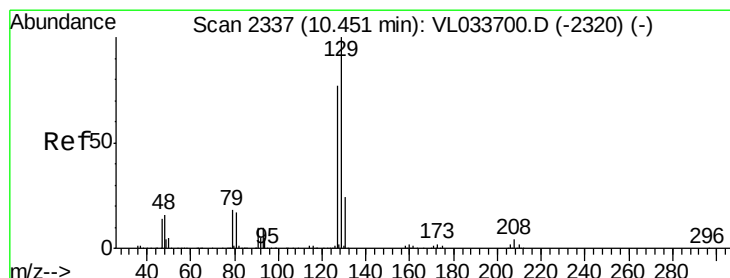
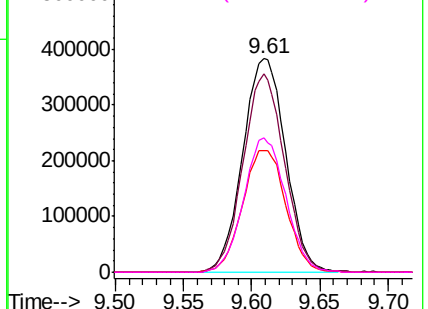
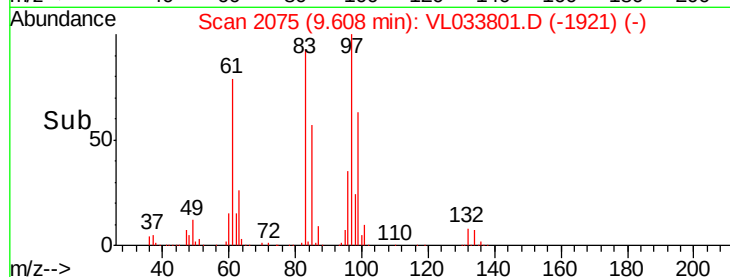
83 92.6 70.8 106.2

85 56.8 43.7 65.5

99 63.1 48.7 73.1



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: 9.685 ppbv

RT: 10.44 min Scan# 2335

Delta R.T. -0.01 min

Lab File: VL033801.D

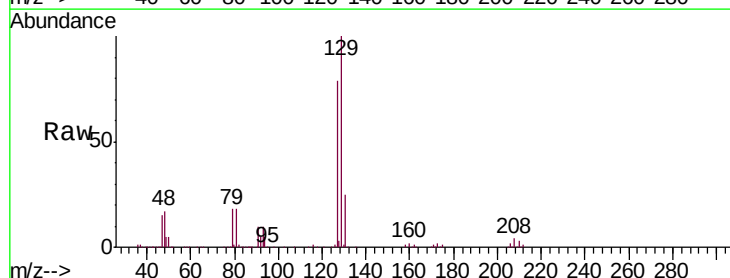
Acq: 28 May 2019 11:46

Tgt Ion: 129 Resp: 1561143

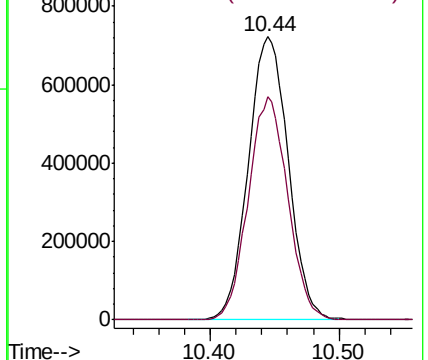
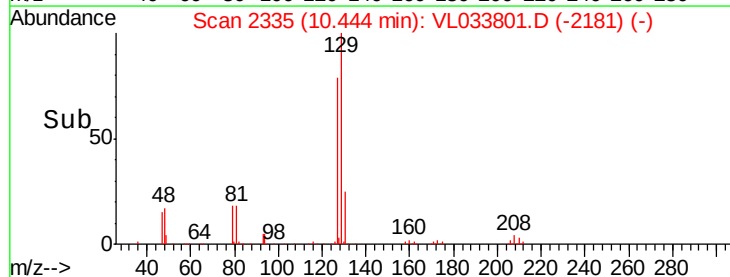
Ion Ratio Lower Upper

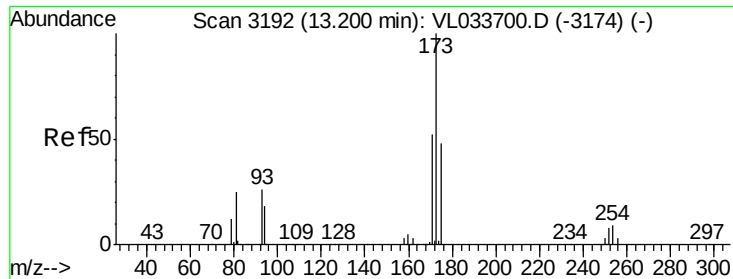
129 100

127 78.1 38.6 116.0



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





#49

Bromoform

Concen: 10.523 ppbv

RT: 13.20 min Scan# 3191

Delta R.T. -0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

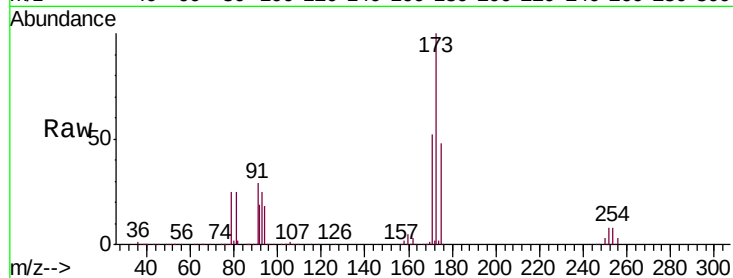
Tgt Ion:173 Resp: 1427218

Ion Ratio Lower Upper

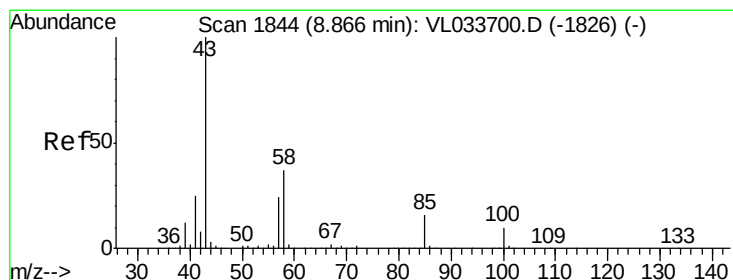
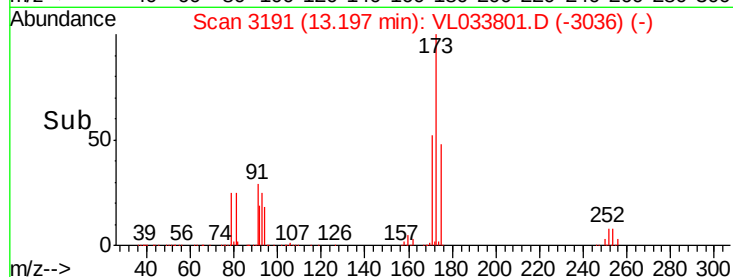
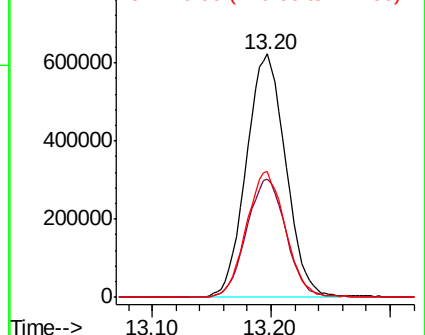
173 100

175 49.0 38.6 58.0

171 51.5 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: 9.132 ppbv

RT: 8.86 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VL033801.D

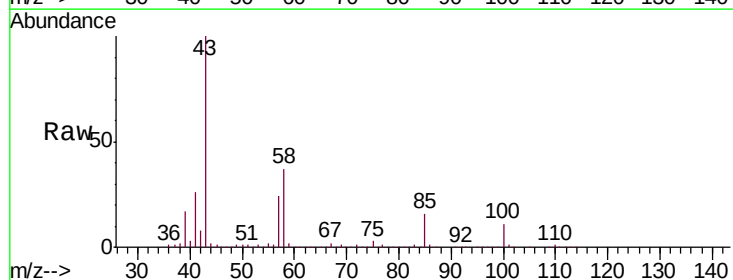
Acq: 28 May 2019 11:46

Tgt Ion: 43 Resp: 2102254

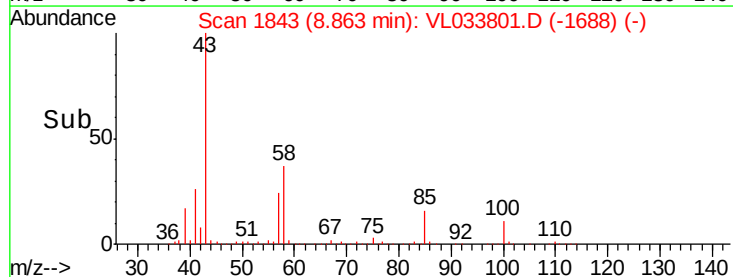
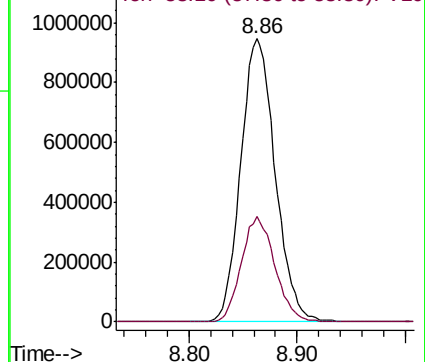
Ion Ratio Lower Upper

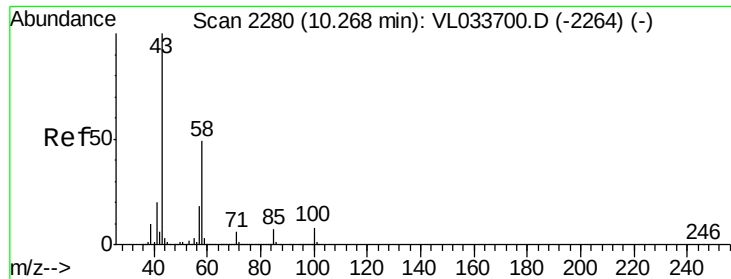
43 100

58 36.2 28.6 43.0



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

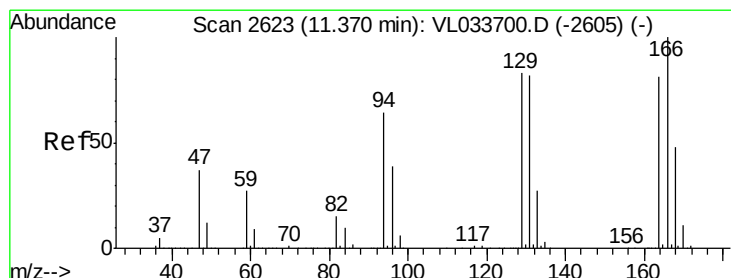
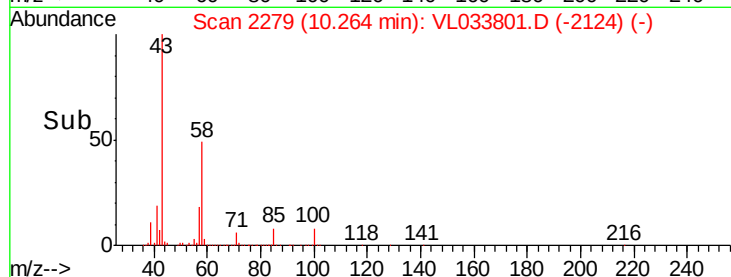
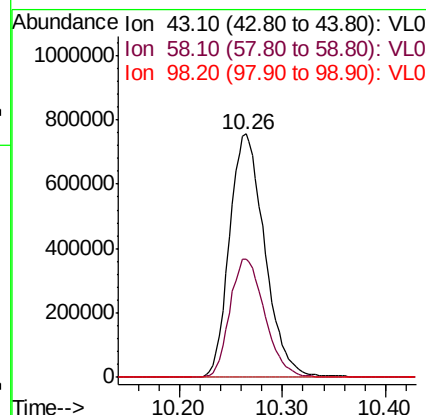
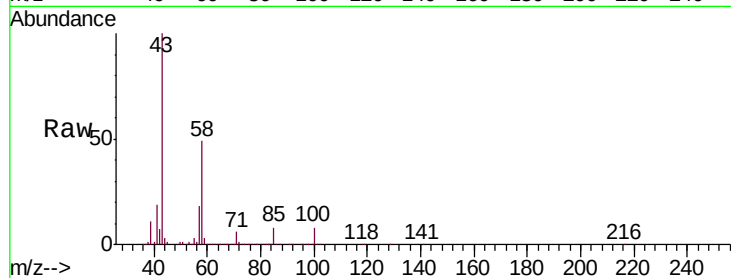




#51
2-Hexanone
Concen: 10.010 ppbv
RT: 10.26 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

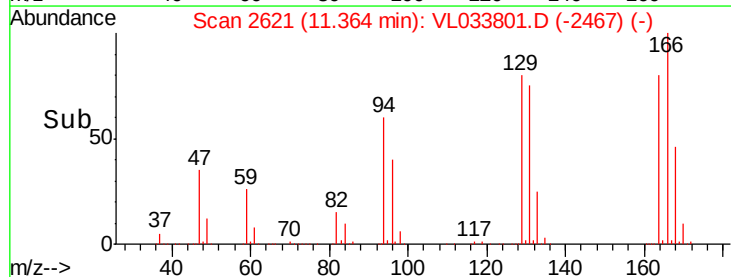
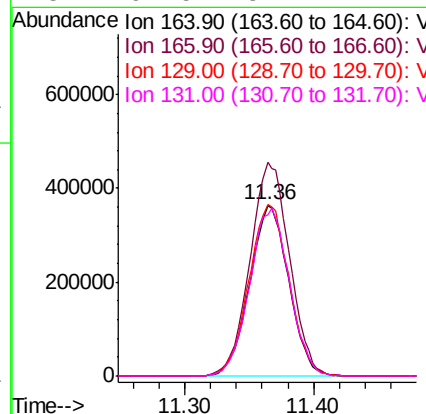
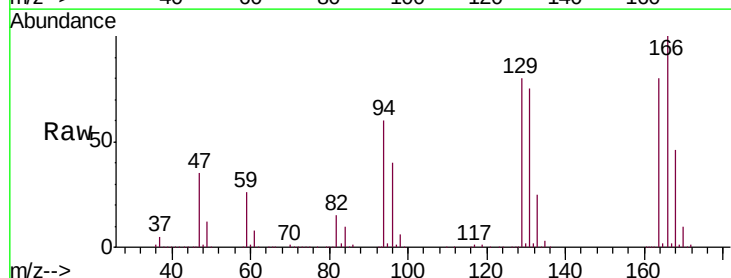
Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01DUP

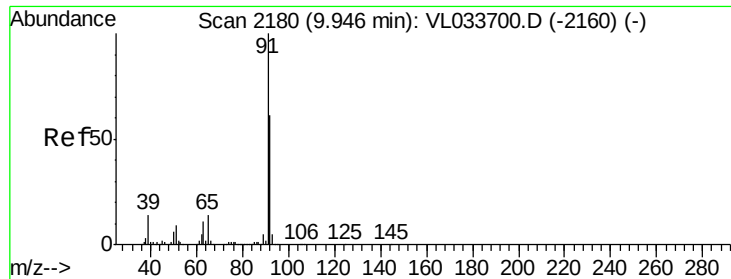
Tgt Ion: 43 Resp: 1798466
Ion Ratio Lower Upper
43 100
58 48.2 38.7 58.1
98 0.2 0.2 0.4#



#52
Tetrachloroethene
Concen: 9.893 ppbv
RT: 11.36 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

Tgt Ion: 164 Resp: 763869
Ion Ratio Lower Upper
164 100
166 125.3 98.9 148.3
129 100.6 81.8 122.6
131 94.5 81.1 121.7





#53

Toluene

Concen: 9.915 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

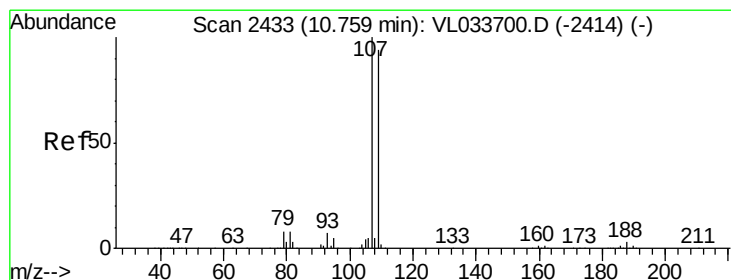
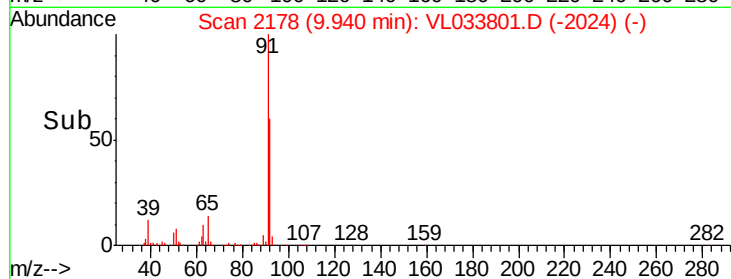
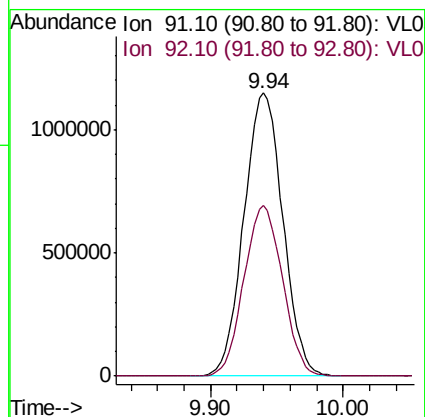
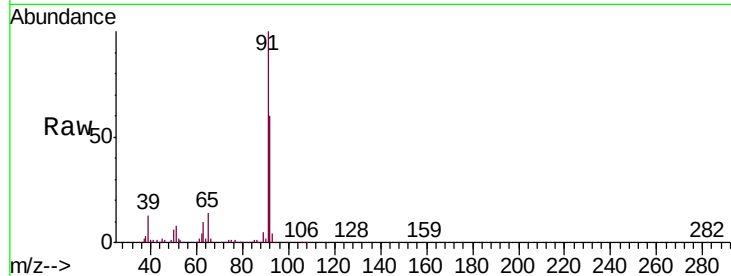
VL0528ABS01DUP

Tgt Ion: 91 Resp: 2348828

Ion Ratio Lower Upper

91 100

92 59.9 47.6 71.4



#54

1,2-Dibromoethane

Concen: 9.235 ppbv

RT: 10.75 min Scan# 2431

Delta R.T. -0.01 min

Lab File: VL033801.D

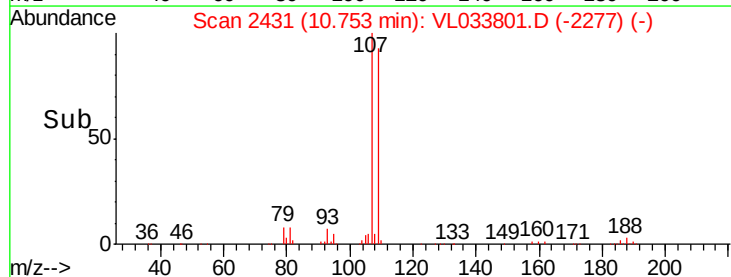
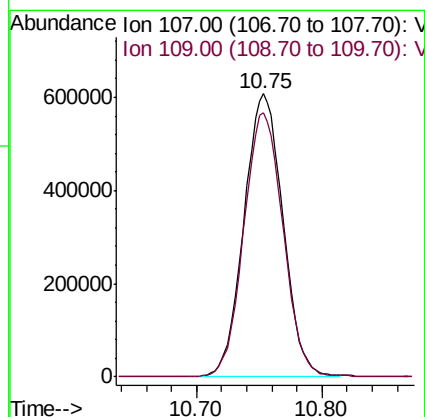
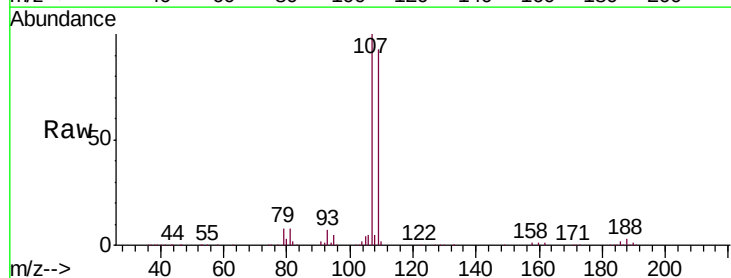
Acq: 28 May 2019 11:46

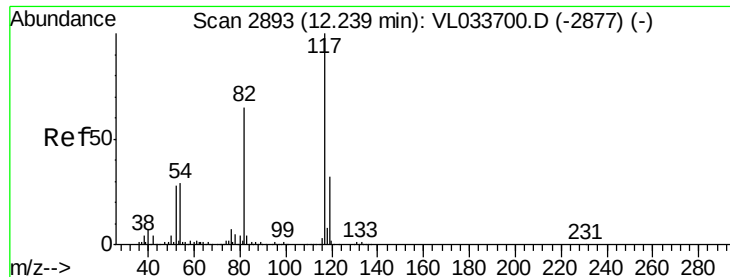
Tgt Ion: 107 Resp: 1311130

Ion Ratio Lower Upper

107 100

109 93.3 75.2 112.8

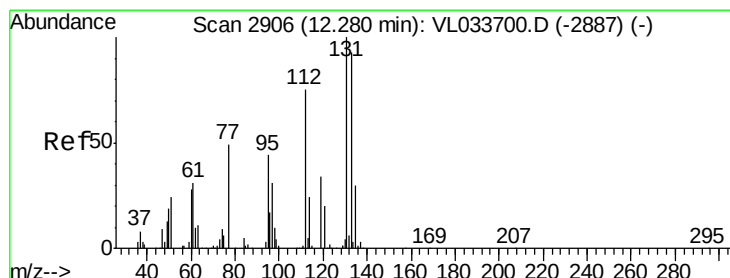
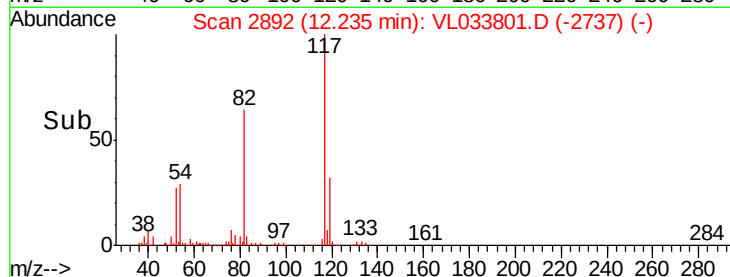
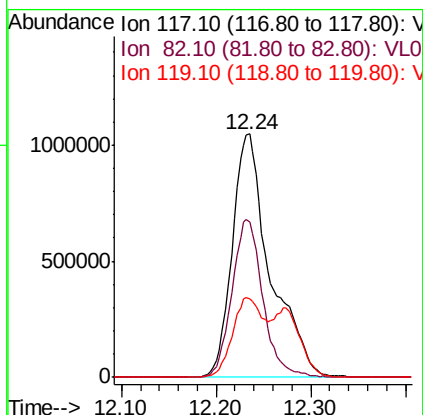
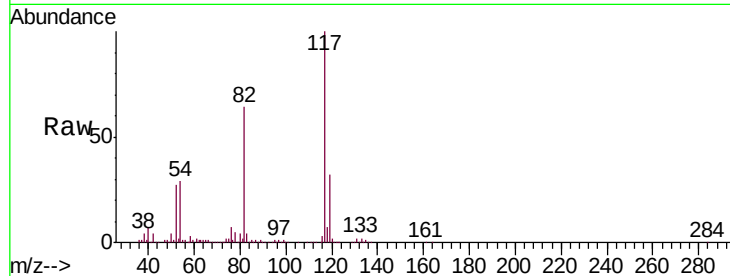




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

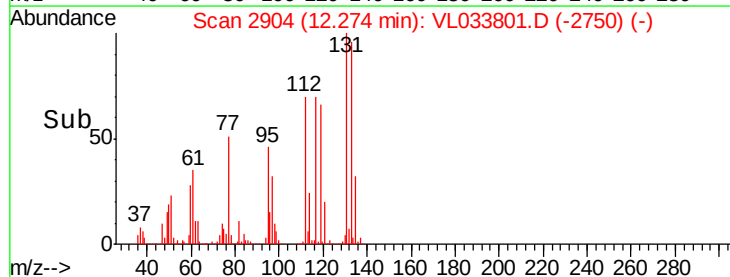
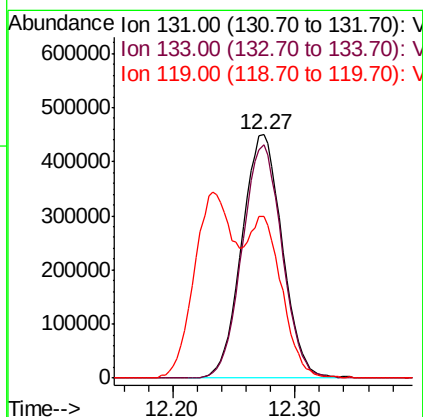
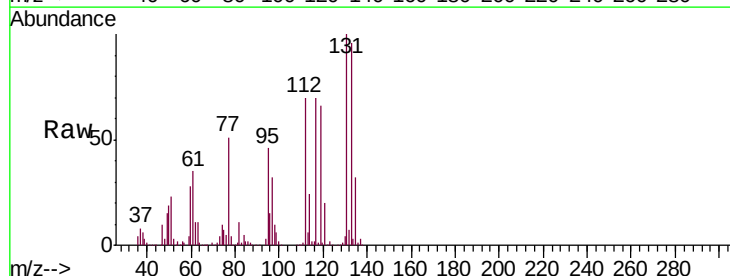
Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01DUP

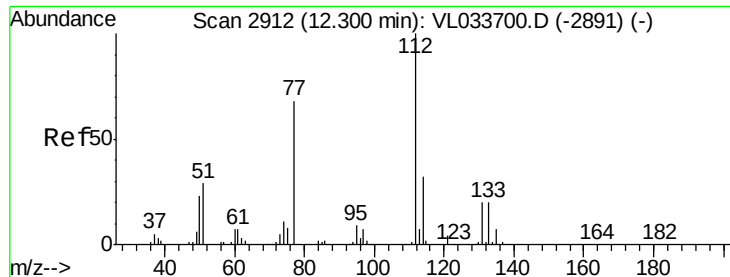
Tgt Ion:117 Resp: 2924792
Ion Ratio Lower Upper
117 100
82 53.2 49.4 74.0
119 28.0 24.9 37.3



#56
1,1,1,2-Tetrachloroethane
Concen: 7.609 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

Tgt Ion:131 Resp: 1029782
Ion Ratio Lower Upper
131 100
133 94.9 76.6 114.8
119 134.4 49.0 73.4#

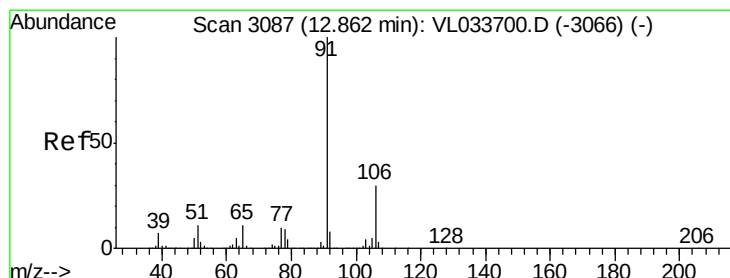
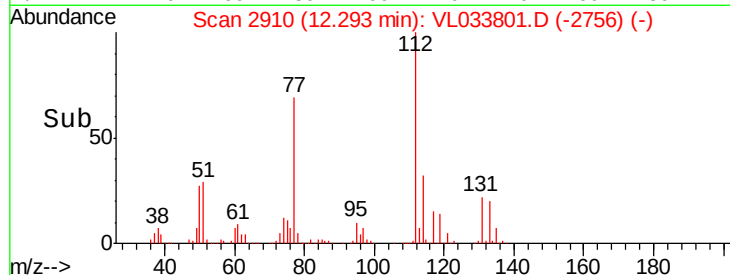
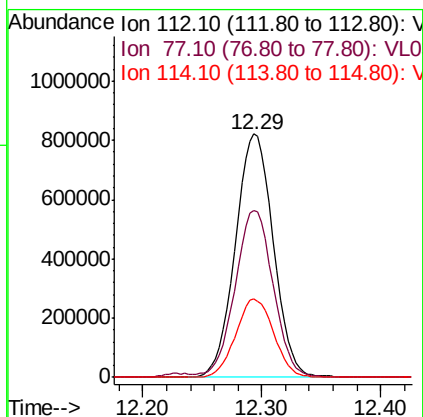
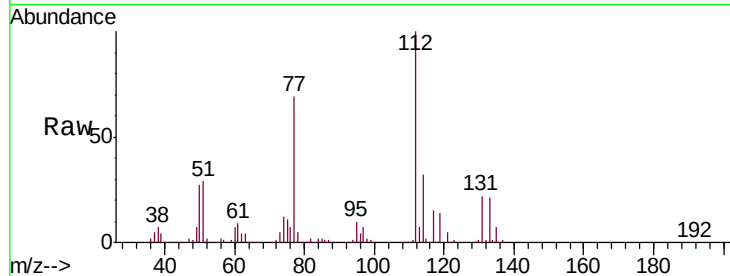




#57
Chlorobenzene
Concen: 7.532 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

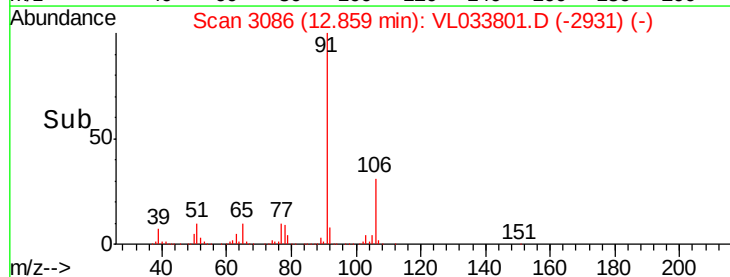
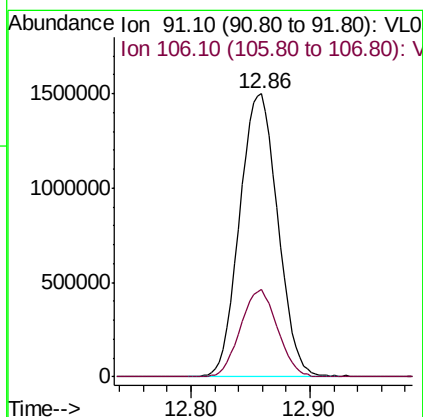
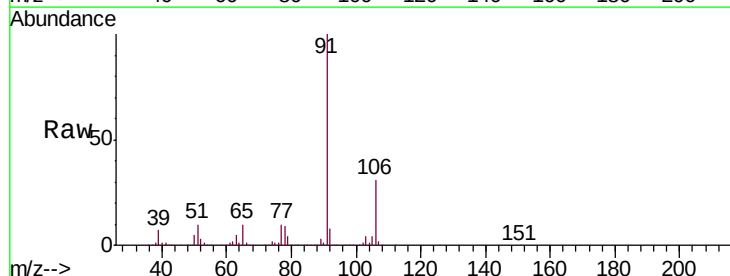
Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01DUP

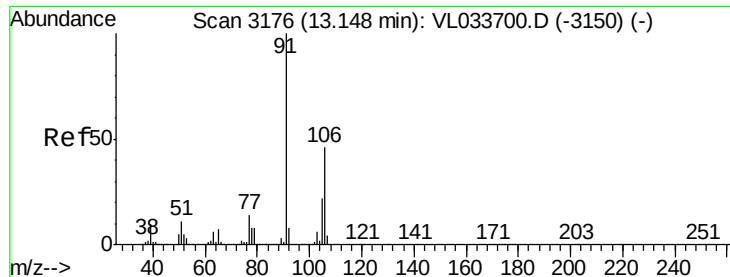
Tgt Ion: 112 Resp: 1813387
Ion Ratio Lower Upper
112 100
77 68.3 55.4 83.0
114 32.1 29.3 35.8



#58
Ethyl Benzene
Concen: 8.602 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

Tgt Ion: 91 Resp: 3331861
Ion Ratio Lower Upper
91 100
106 30.7 23.9 35.9

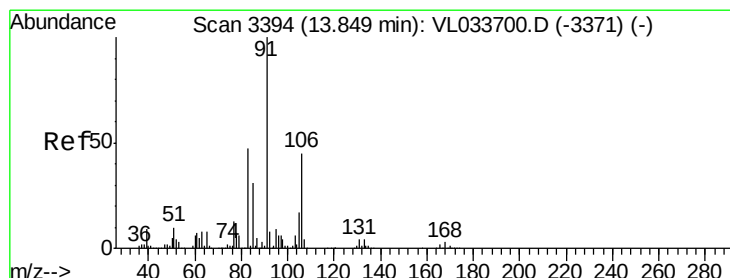
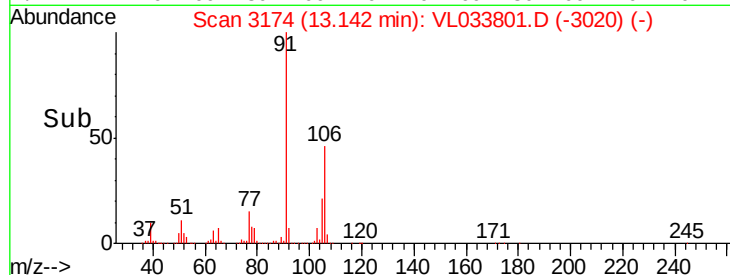
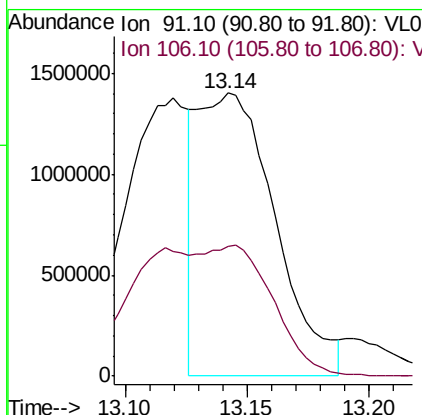
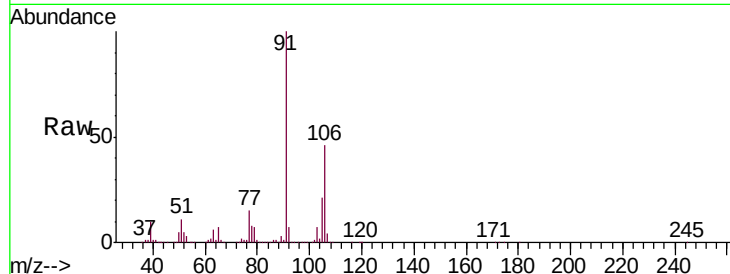




#59
m/p-Xylene
Concen: 9.071 ppbv
RT: 13.14 min Scan# 3174
Delta R.T. -0.01 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

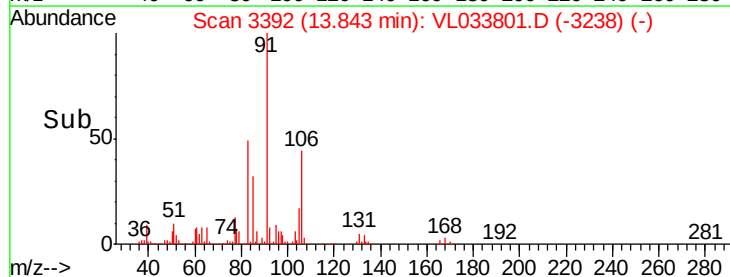
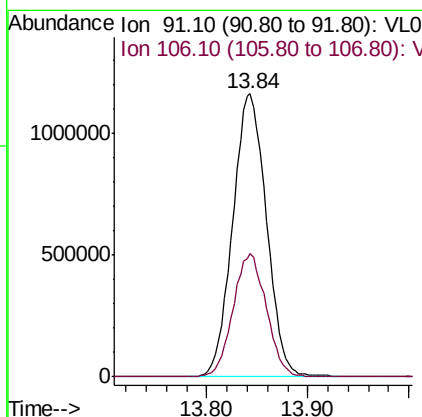
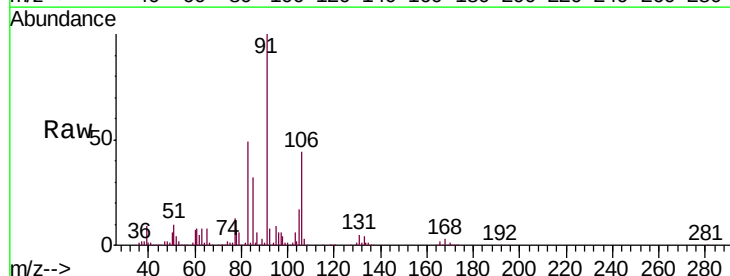
Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01DUP

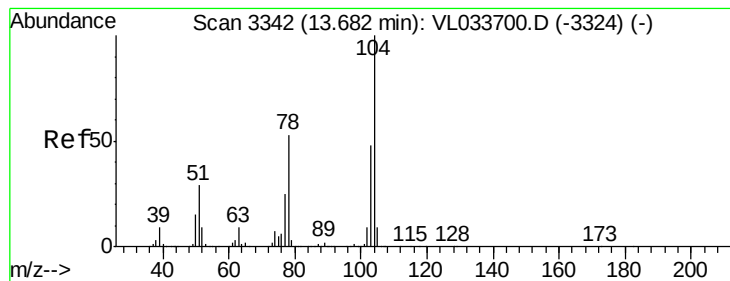
Tgt Ion: 91 Resp: 3071110
Ion Ratio Lower Upper
91 100
106 83.0 35.8 53.6#



#60
o-Xylene
Concen: 7.926 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

Tgt Ion: 91 Resp: 2705257
Ion Ratio Lower Upper
91 100
106 43.2 21.6 64.8





#61

Styrene

Concen: 8.733 ppbv

RT: 13.68 min Scan# 3340

Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

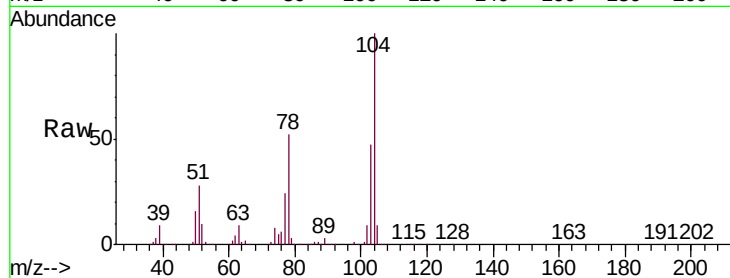
Tgt Ion:104 Resp: 2006847

Ion Ratio Lower Upper

104 100

78 53.5 42.6 64.0

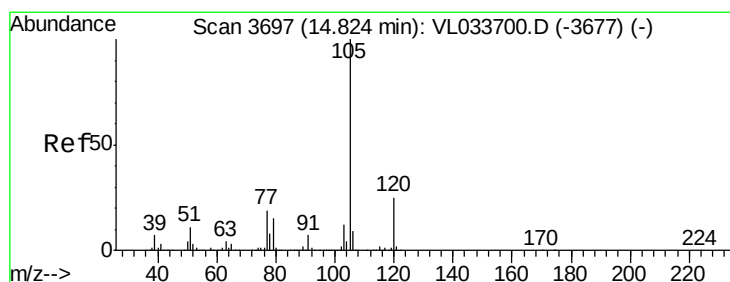
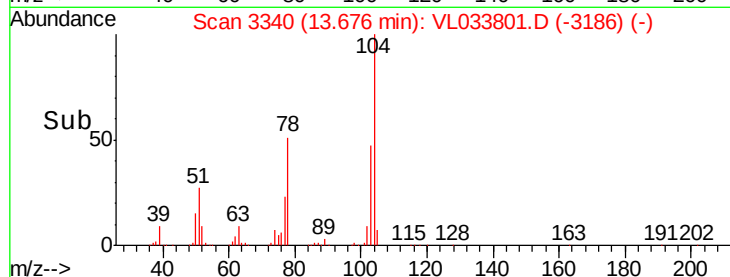
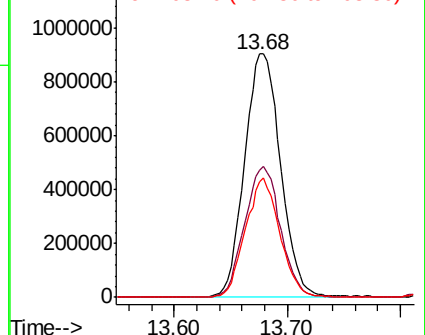
103 47.1 37.8 56.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.287 ppbv

RT: 14.82 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VL033801.D

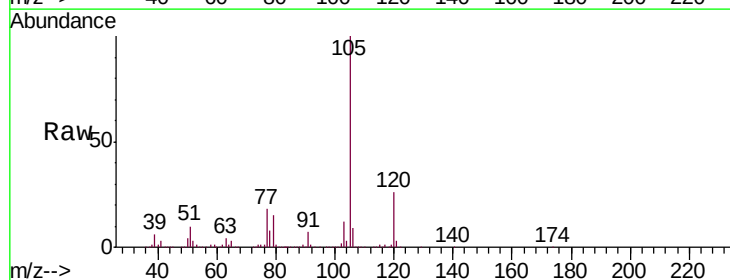
Acq: 28 May 2019 11:46

Tgt Ion:105 Resp: 3809054

Ion Ratio Lower Upper

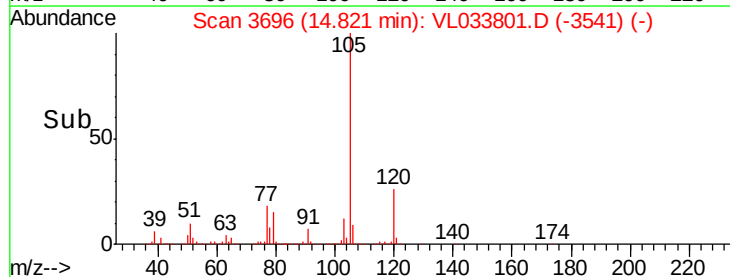
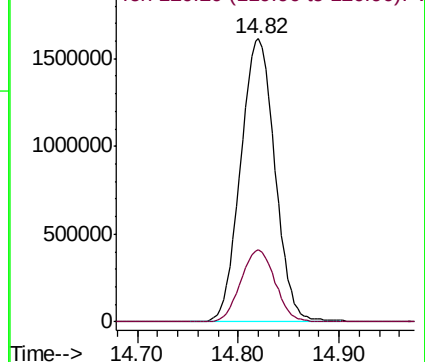
105 100

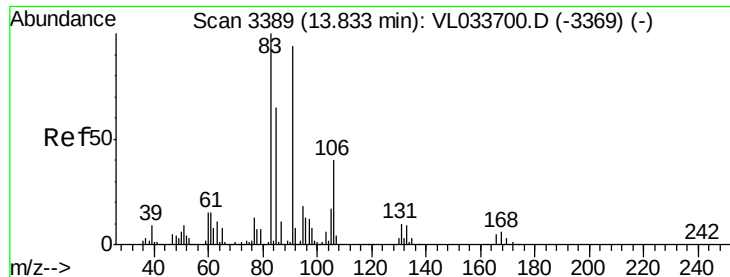
120 25.6 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

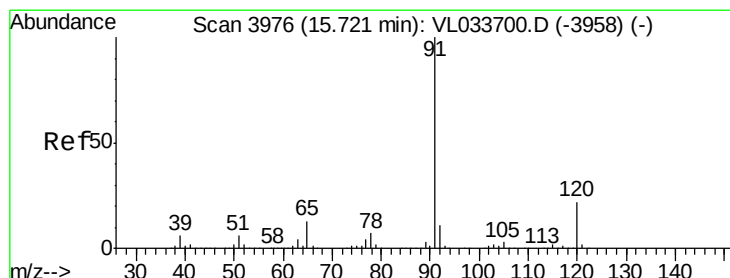
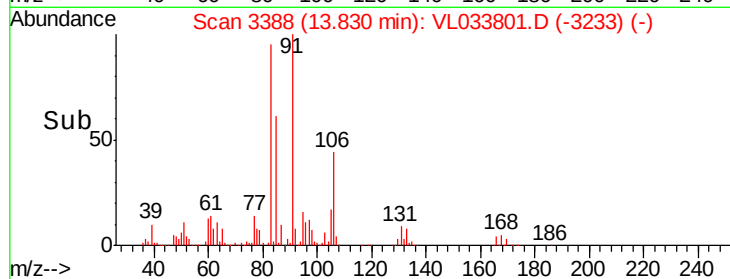
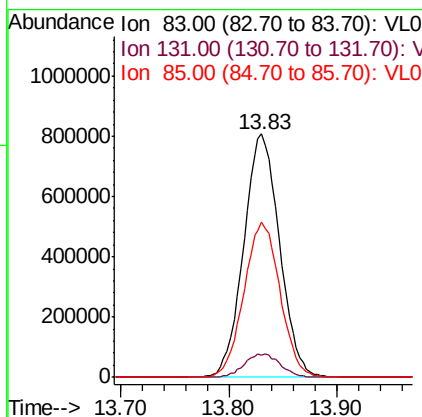
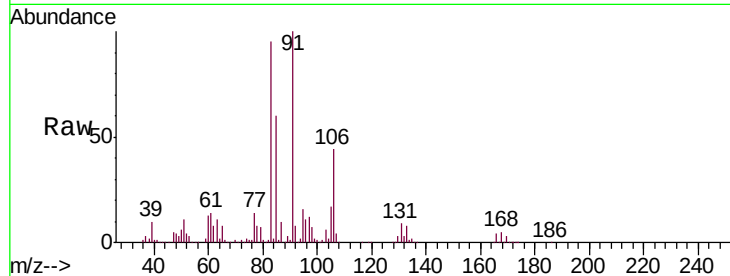




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.514 ppbv
 RT: 13.83 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

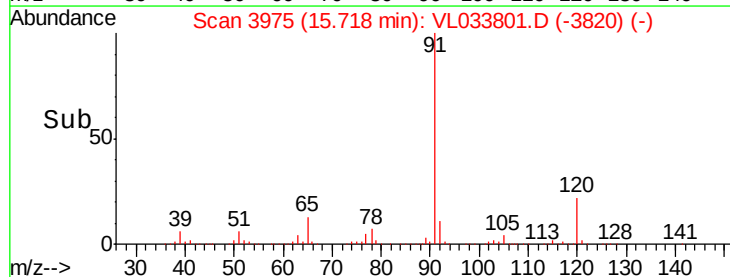
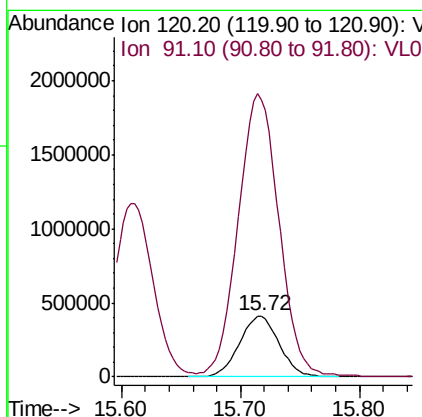
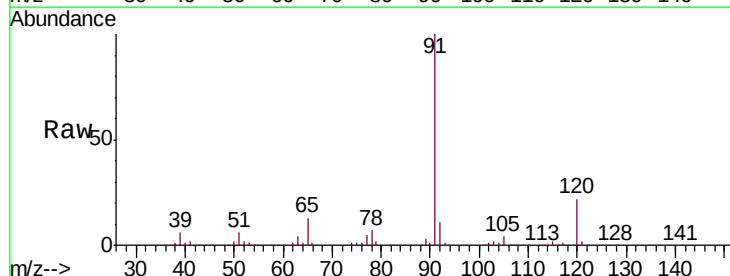
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

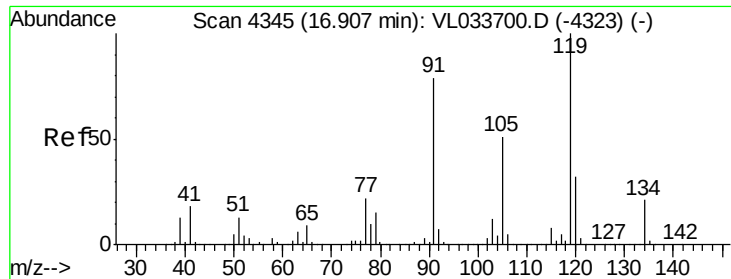
Tgt Ion: 83 Resp: 1864911
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.8 14.3
 85 64.4 32.3 96.9



#64
 n-propylbenzene
 Concen: 7.958 ppbv
 RT: 15.72 min Scan# 3975
 Delta R.T. -0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Tgt Ion: 120 Resp: 946193
 Ion Ratio Lower Upper
 120 100
 91 482.0 379.1 568.7

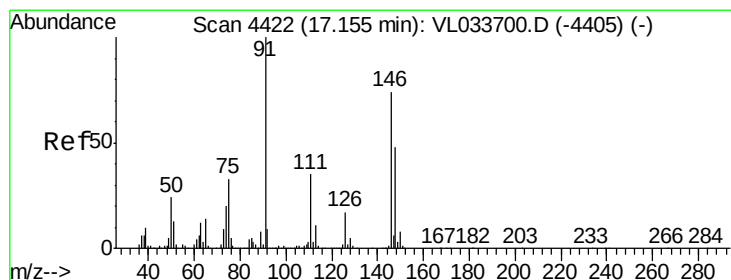
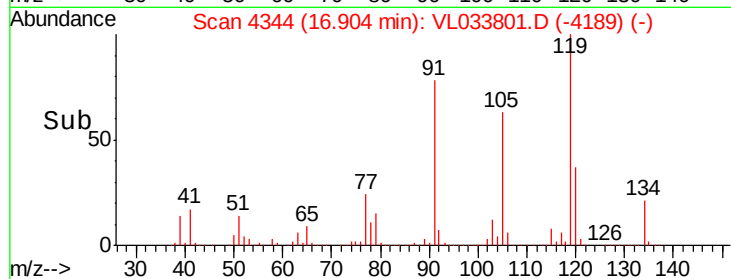
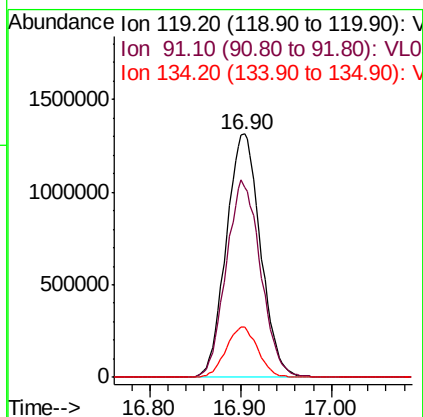
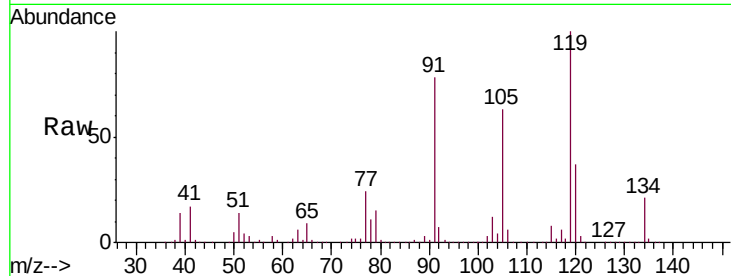




#65
 tert-Butylbenzene
 Concen: 8.192 ppbv
 RT: 16.90 min Scan# 4344
 Delta R.T. -0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

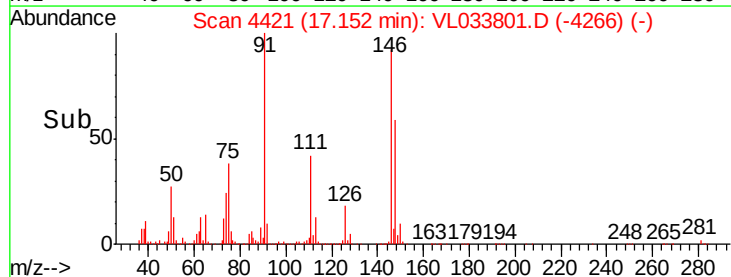
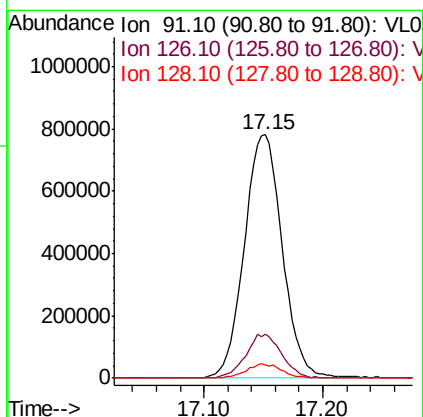
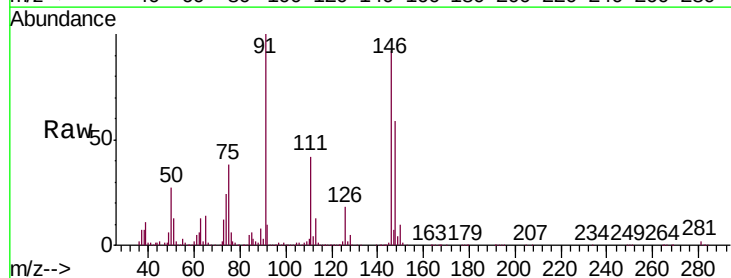
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

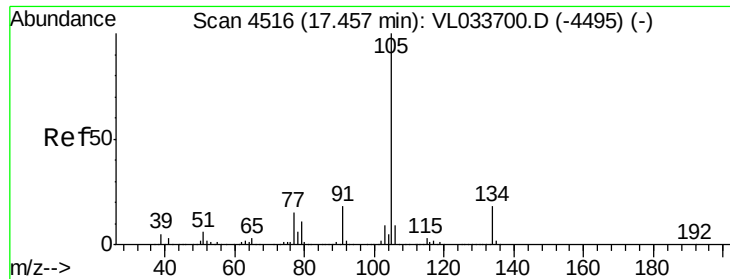
Tgt Ion: 119 Resp: 3437652
 Ion Ratio Lower Upper
 119 100
 91 81.6 65.3 97.9
 134 19.3 15.7 23.5



#66
 Benzyl Chloride
 Concen: 8.609 ppbv
 RT: 17.15 min Scan# 4421
 Delta R.T. -0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Tgt Ion: 91 Resp: 1720772
 Ion Ratio Lower Upper
 91 100
 126 17.2 13.5 20.3
 128 5.5 4.3 6.5





#67

sec-Butylbenzene

Concen: 8.141 ppbv

RT: 17.45 min Scan# 4514

Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

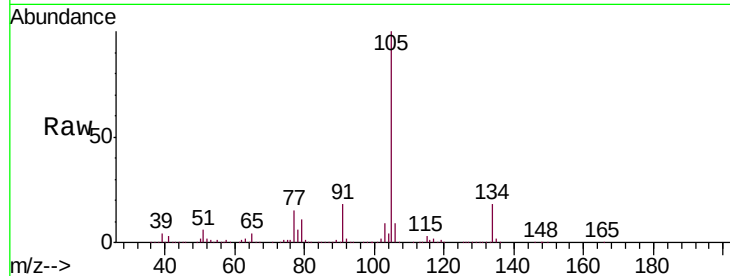
VL0528ABS01DUP

Tgt Ion:105 Resp: 4781621

Ion Ratio Lower Upper

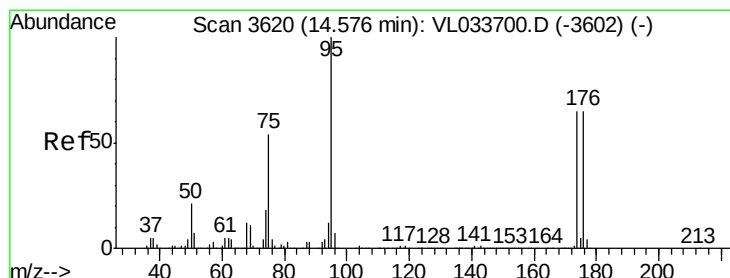
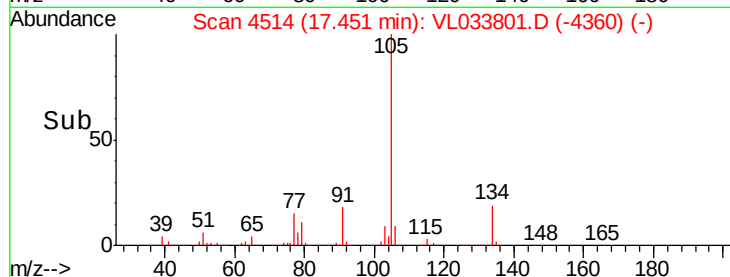
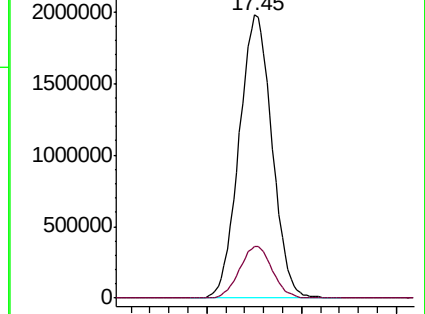
105 100

134 18.2 14.6 22.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.333 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

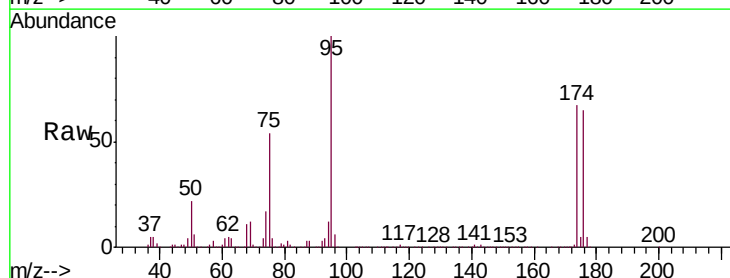
Tgt Ion: 95 Resp: 1975707

Ion Ratio Lower Upper

95 100

174 67.7 53.9 80.9

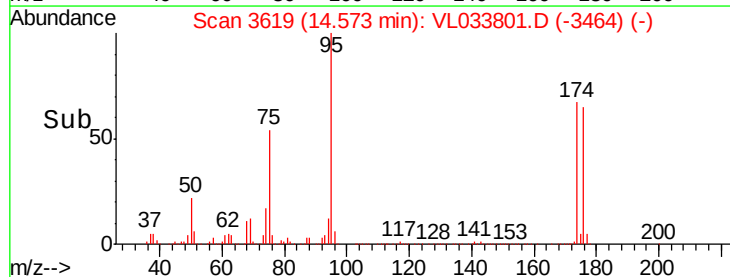
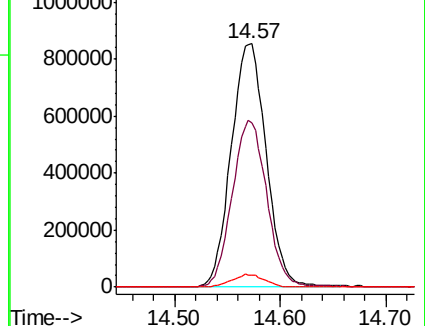
175 5.0 3.8 5.8

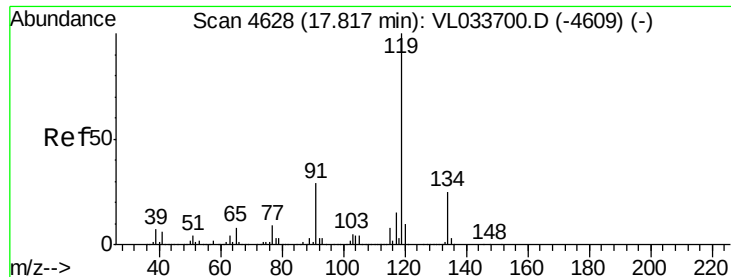


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

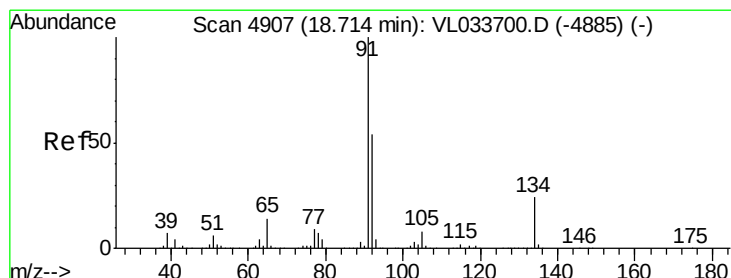
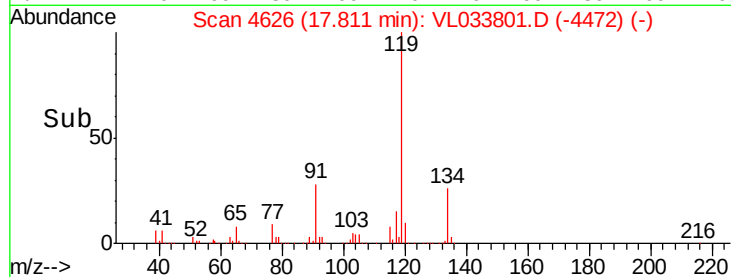
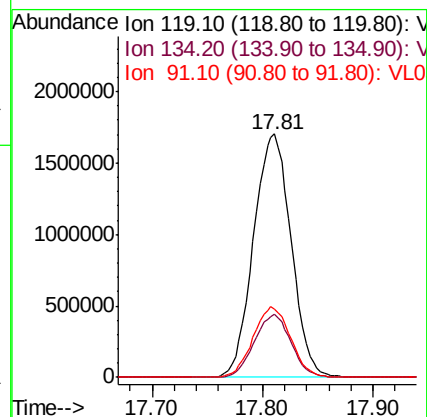
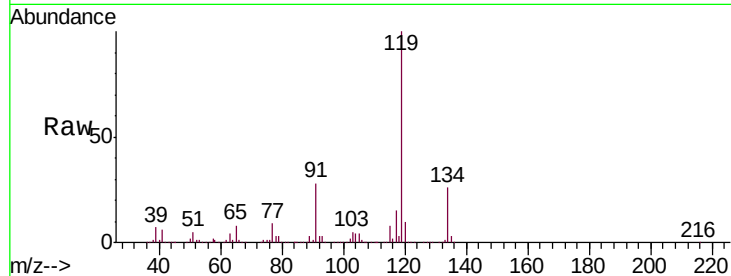




#69
 p-Isopropyltoluene
 Concen: 8.287 ppbv
 RT: 17.81 min Scan# 4626
 Delta R.T. -0.01 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

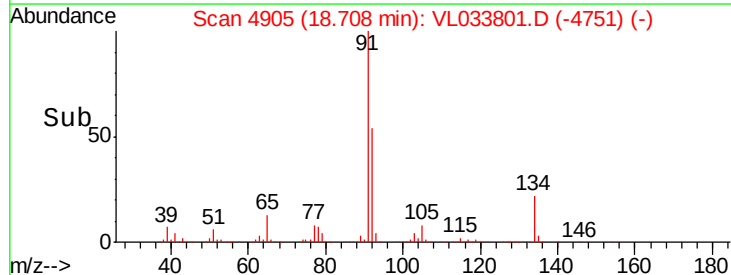
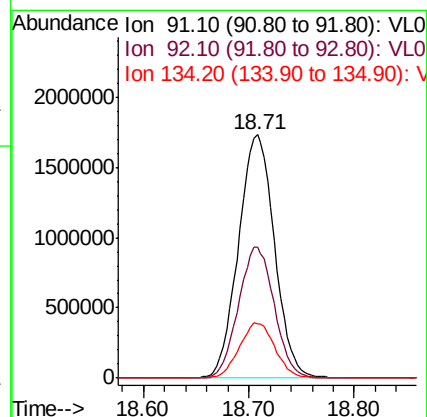
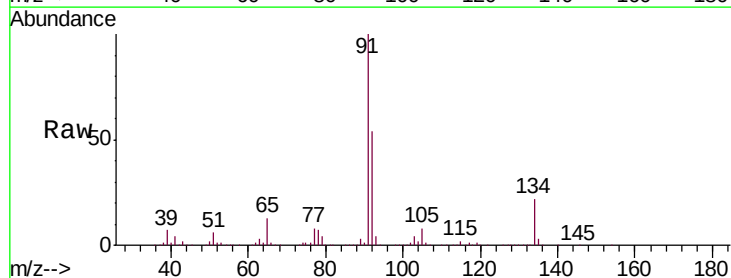
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

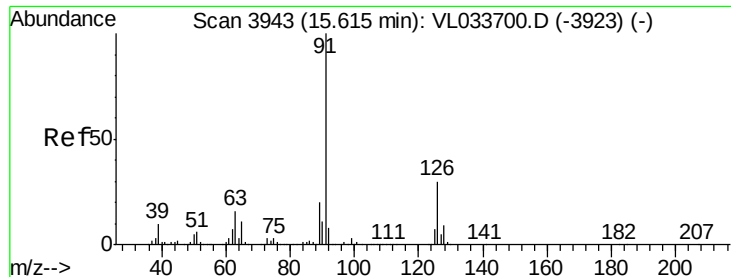
Tgt Ion: 119 Resp: 4023225
 Ion Ratio Lower Upper
 119 100
 134 25.3 20.3 30.5
 91 29.1 23.1 34.7



#70
 n-Butylbenzene
 Concen: 7.880 ppbv
 RT: 18.71 min Scan# 4905
 Delta R.T. -0.01 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Tgt Ion: 91 Resp: 4102406
 Ion Ratio Lower Upper
 91 100
 92 53.7 42.6 63.8
 134 22.4 18.1 27.1





#71

2-Chlorotoluene

Concen: 8.066 ppbv

RT: 15.61 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

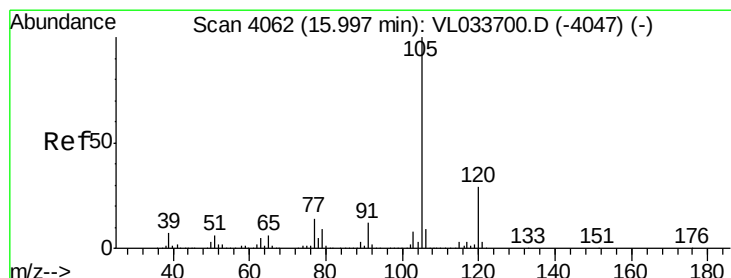
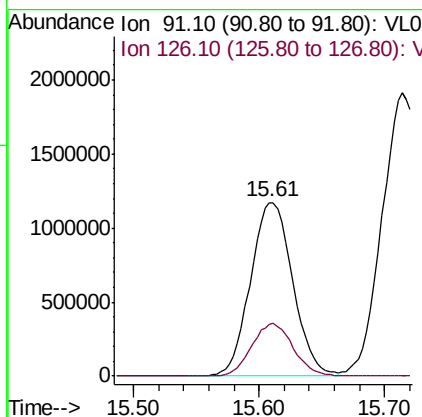
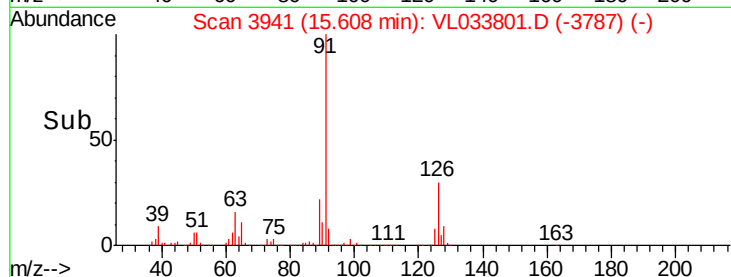
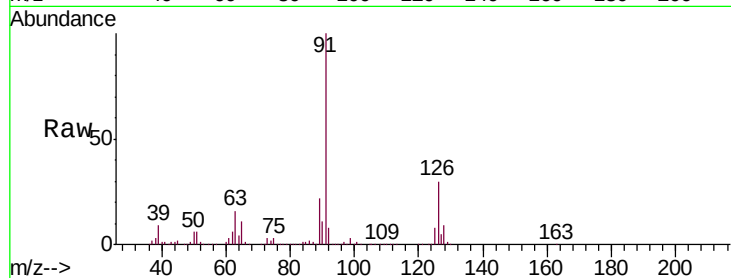
VL0528ABS01DUP

Tgt Ion: 91 Resp: 2750538

Ion Ratio Lower Upper

91 100

126 30.2 12.0 47.8



#72

4-Ethyltoluene

Concen: 8.283 ppbv

RT: 15.99 min Scan# 4060

Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Tgt Ion: 105 Resp: 3232271

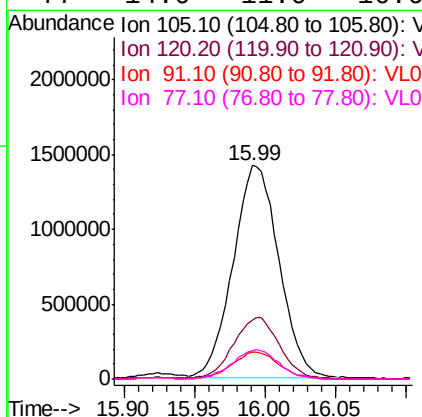
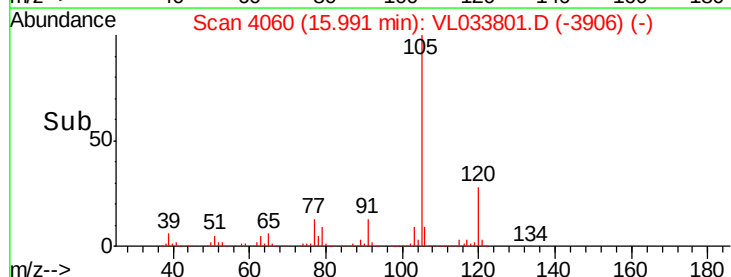
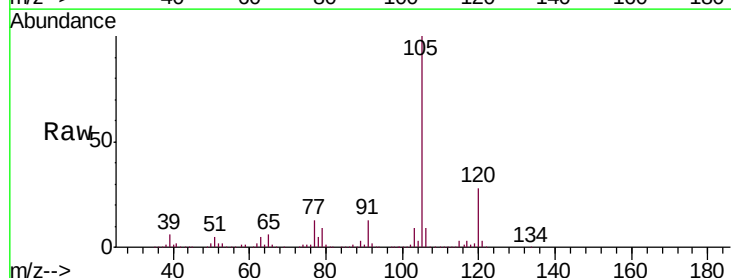
Ion Ratio Lower Upper

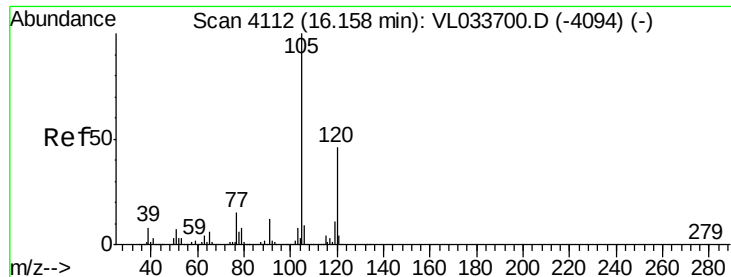
105 100

120 29.3 23.1 34.7

91 13.0 10.4 15.6

77 14.0 11.0 16.6

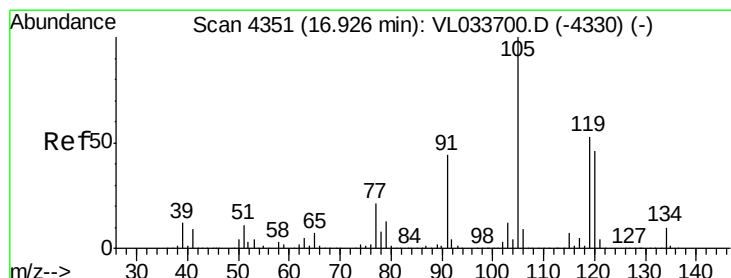
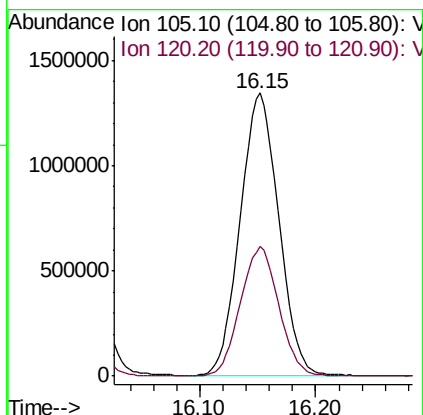
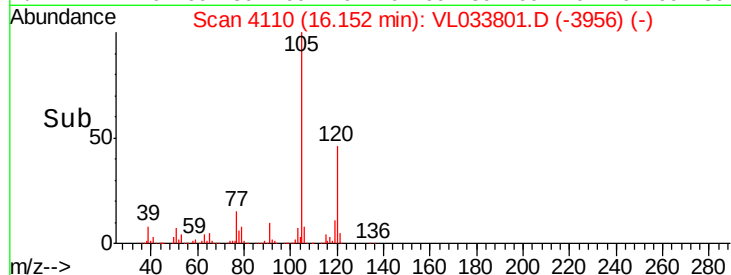
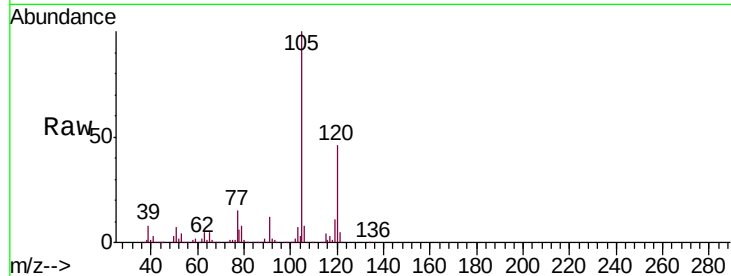




#73
 1,3,5-Trimethylbenzene
 Concen: 8.167 ppbv
 RT: 16.15 min Scan# 4110
 Delta R.T. -0.01 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

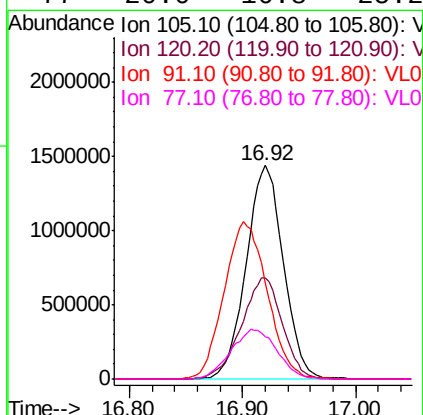
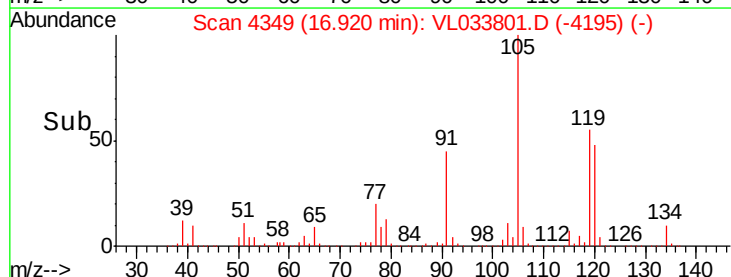
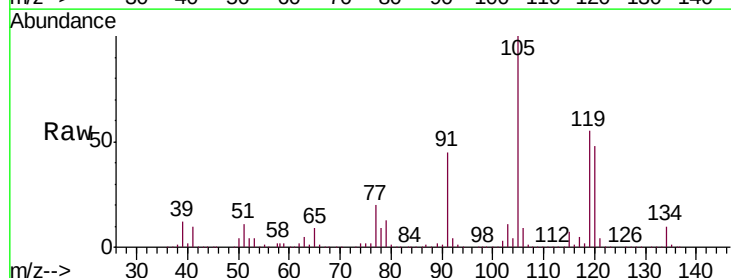
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

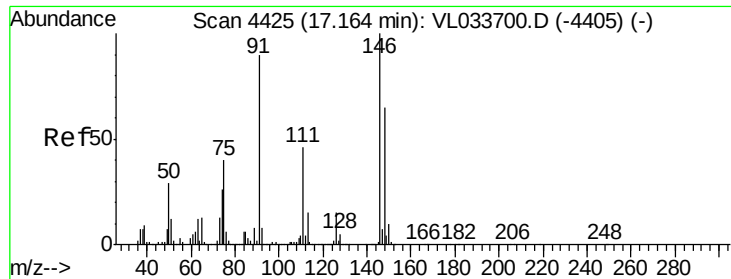
Tgt Ion:105 Resp: 3109590
 Ion Ratio Lower Upper
 105 100
 120 45.7 37.0 55.4



#74
 1,2,4-Trimethylbenzene
 Concen: 7.941 ppbv
 RT: 16.92 min Scan# 4349
 Delta R.T. -0.01 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Tgt Ion:105 Resp: 3290683
 Ion Ratio Lower Upper
 105 100
 120 47.5 36.8 55.2
 91 44.6 35.4 53.0
 77 20.0 16.8 25.2

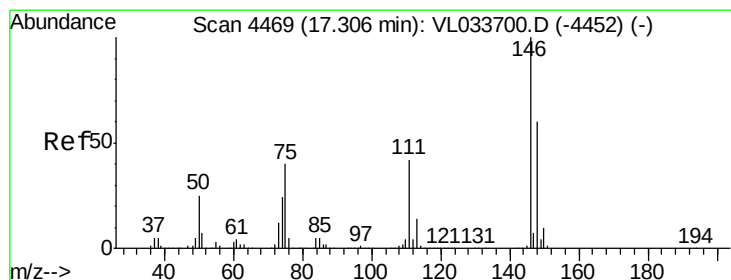
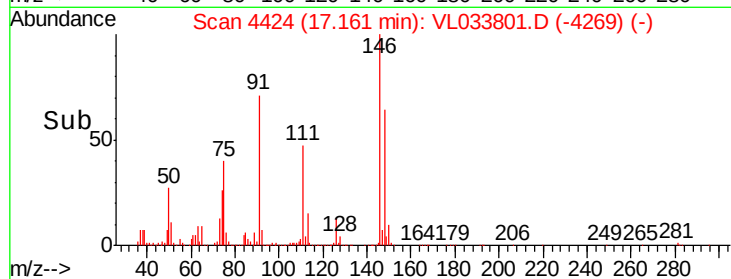
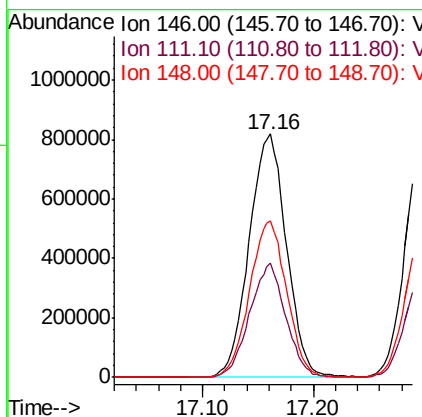
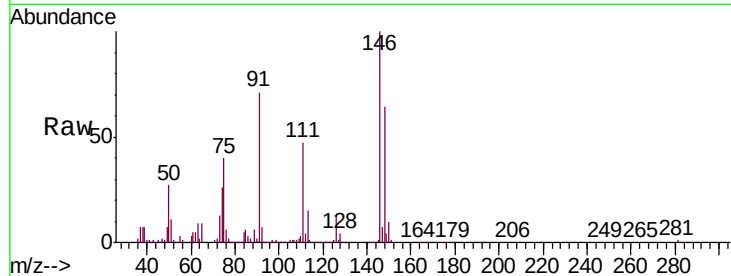




#75
 1,3-Dichlorobenzene
 Concen: 7.532 ppbv
 RT: 17.16 min Scan# 4424
 Delta R.T. -0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

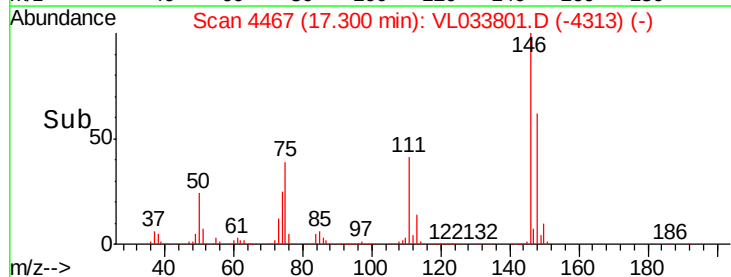
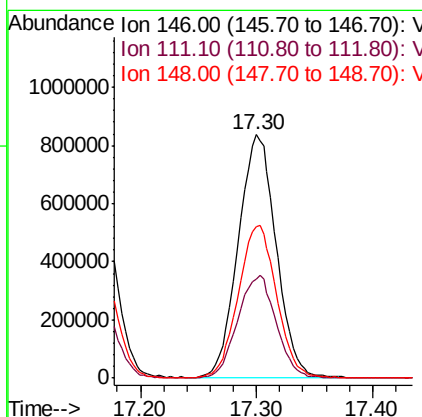
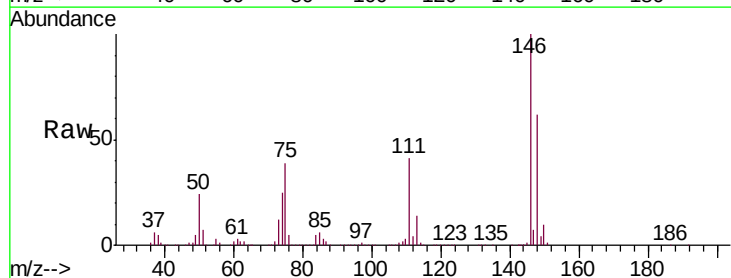
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

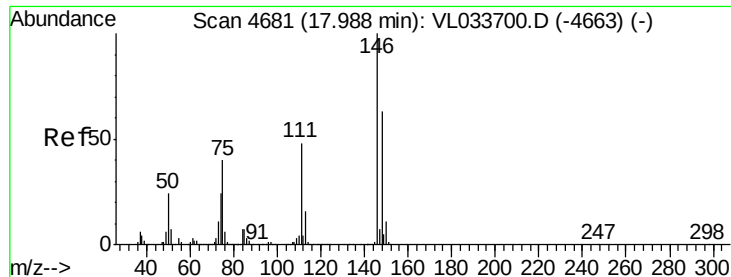
Tgt Ion:146 Resp: 1912475
 Ion Ratio Lower Upper
 146 100
 111 45.4 22.9 68.8
 148 64.1 32.0 96.2



#76
 1,4-Dichlorobenzene
 Concen: 7.856 ppbv
 RT: 17.30 min Scan# 4467
 Delta R.T. -0.01 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Tgt Ion:146 Resp: 1895918
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.9 65.8
 148 63.9 32.1 96.3

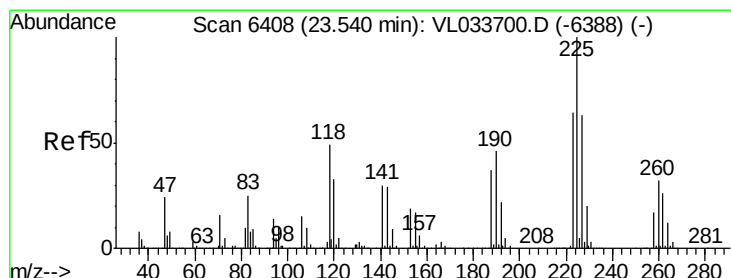
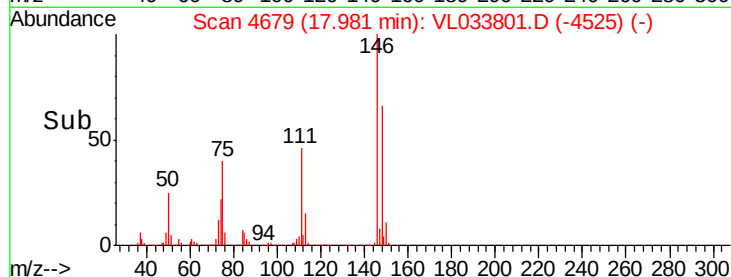
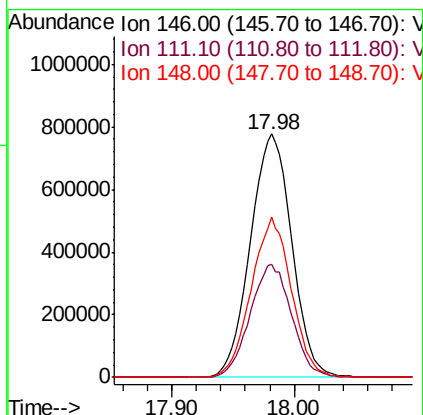
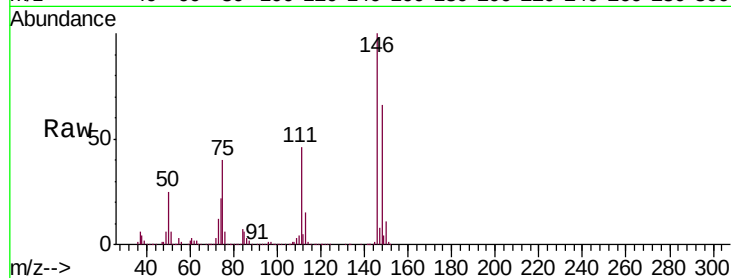




#77
 1,2-Dichlorobenzene
 Concen: 7.634 ppbv
 RT: 17.98 min Scan# 4679
 Delta R.T. -0.01 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

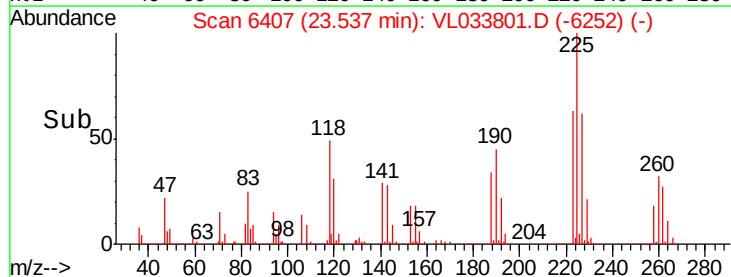
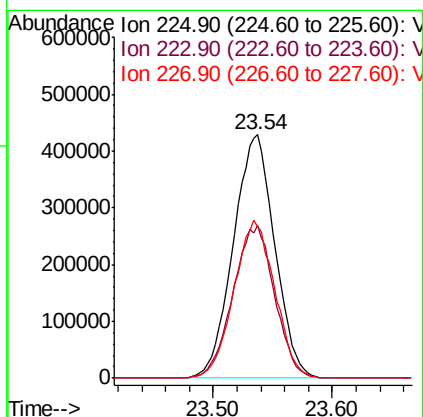
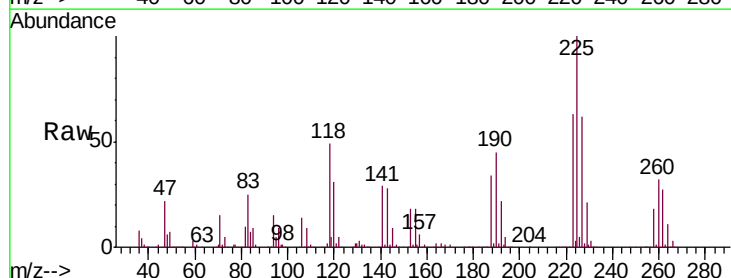
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

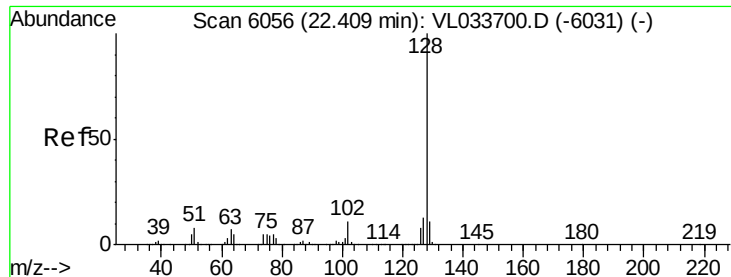
Tgt Ion:146 Resp: 1821408
 Ion Ratio Lower Upper
 146 100
 111 46.7 23.5 70.5
 148 64.1 32.1 96.3



#78
 Hexachloro-1,3-Butadiene
 Concen: 5.720 ppbv
 RT: 23.54 min Scan# 6407
 Delta R.T. -0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Tgt Ion:225 Resp: 1031812
 Ion Ratio Lower Upper
 225 100
 223 63.1 50.2 75.4
 227 64.1 50.7 76.1





#79

Naphthalene

Concen: 6.402 ppbv

RT: 22.40 min Scan# 6054

Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

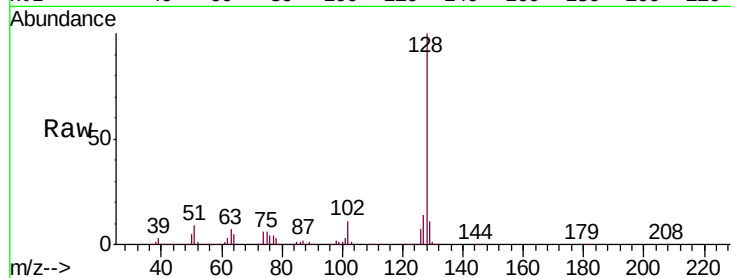
Tgt Ion:128 Resp: 2463953

Ion Ratio Lower Upper

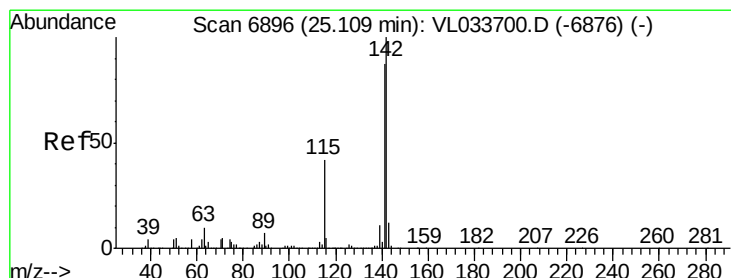
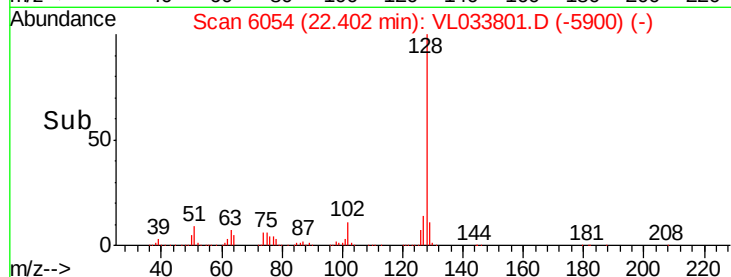
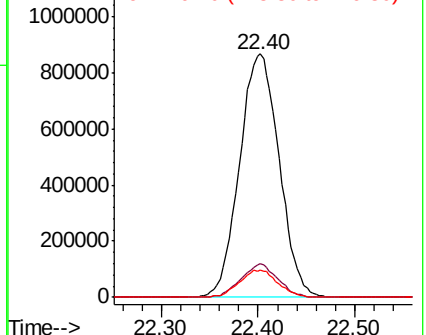
128 100

127 13.9 10.6 16.0

129 11.1 8.9 13.3



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: 4.545 ppbv

RT: 25.11 min Scan# 6895

Delta R.T. -0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

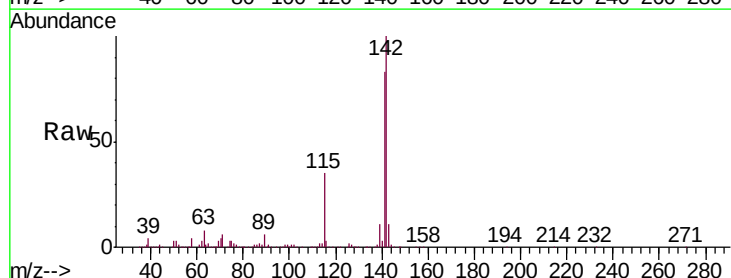
Tgt Ion:142 Resp: 664724

Ion Ratio Lower Upper

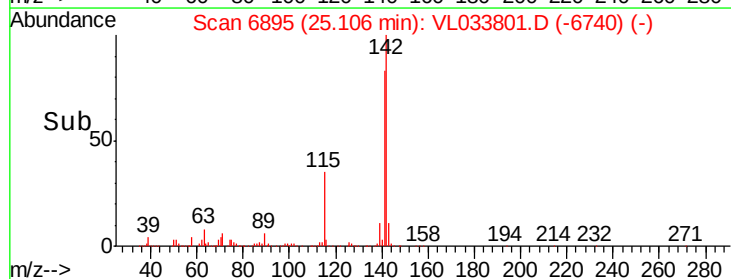
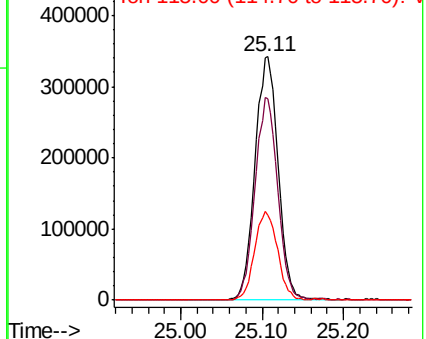
142 100

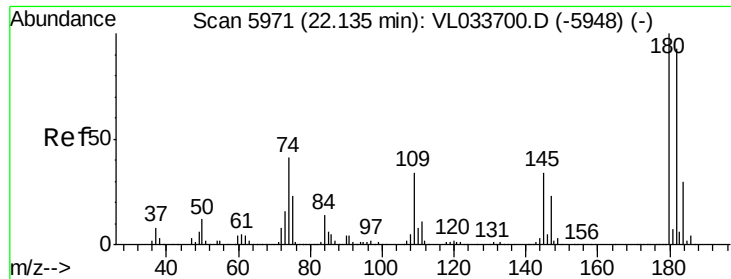
141 81.9 67.2 100.8

115 36.3 34.1 51.1



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: 6.399 ppbv

RT: 22.13 min Scan# 5969

Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

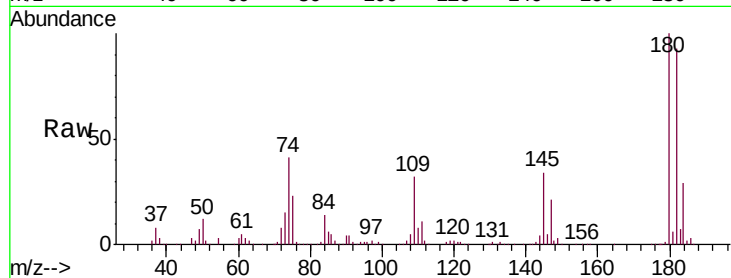
Tgt Ion:180 Resp: 1442174

Ion Ratio Lower Upper

180 100

182 95.2 76.1 114.1

184 30.4 24.6 37.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

