

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032519\
 Data File : VL033443.D
 Acq On : 25 Mar 2019 19:34
 Operator : SY/AP
 Sample : VL0325ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0325ABS01

Quant Time: Mar 26 05:18:48 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 25 16:04:49 2019

QLast Update : Mon Mar 25 16:04:49 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	768513	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1804219	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2316280	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1462364	8.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.07	85	1008756	9.000	ppbv	97
3) Chlorodifluoromethane	3.01	51	834347	9.430	ppbv	99
4) Chloromethane	3.17	50	438885	9.374	ppbv	99
5) Vinyl Chloride	3.29	62	444633	9.666	ppbv	99
6) Bromomethane	3.51	94	278709	9.428	ppbv	93
7) Chloroethane	3.60	64	164553	9.612	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	1103136	9.237	ppbv	100
9) Propene	3.03	41	352286	9.481	ppbv	98
10) Heptane	8.25	43	953681	10.233	ppbv	100
11) Trichlorofluoromethane	4.00	101	1267694	9.177	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	868924	9.365	ppbv	99
13) Ethanol	3.64	45	90518	10.325	ppbv	65
14) Bromoethene	3.79	108	360655	9.746	ppbv	99
15) Acetone	3.90	43	800352	8.661	ppbv	99
16) 1,3-Butadiene	3.36	39	387955	10.585	ppbv	96
17) tert-Butyl alcohol	4.35	59	164800	9.700	ppbv	100
18) 1,1-Dichloroethene	4.35	96	378667	9.501	ppbv	97
19) Isopropyl Alcohol	4.02	45	567059	9.702	ppbv	# 99
20) Methylene Chloride	4.41	84	339501	8.655	ppbv	96
21) Allyl Chloride	4.48	41	569903	9.756	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	395283	9.507	ppbv	96
23) Vinyl Acetate	5.16	43	1308644	9.950	ppbv	99
24) 1,1-Dichloroethane	5.09	63	931558	9.324	ppbv	99
25) Ethyl Acetate	5.77	43	1597106	9.315	ppbv	100
26) Hexane	5.78	57	714259	9.370	ppbv	98
27) Carbon Disulfide	4.62	76	949398	10.473	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1071219	9.757	ppbv	99
29) Chloroform	5.85	83	1211838	9.274	ppbv	98
30) Cyclohexane	7.25	84	606945	10.064	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	732713	9.668	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1200278	9.646	ppbv	99
34) 2-Butanone	5.33	43	1039476	9.589	ppbv	99
35) Carbon Tetrachloride	7.14	117	1284140	10.914	ppbv	97
36) Benzene	7.01	78	1495600	9.879	ppbv	99
37) 1,2-Dichloroethane	6.41	62	945656	9.320	ppbv	100
38) Trichloroethene	7.96	130	598375	10.503	ppbv	97
39) 1,2-Dichloropropane	7.74	63	572451	9.653	ppbv	98
40) 1,4-Dioxane	7.96	88	190132	8.989	ppbv	79
41) Tetrahydrofuran	6.15	42	590180	9.899	ppbv	99
42) Bromodichloromethane	7.92	83	1359638	9.838	ppbv	99
43) Methyl Methacrylate	8.14	69	622013	10.119	ppbv	99

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Quant Time: Mar 26 05:18:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 25 16:04:49 2019
 QLast Update : Mon Mar 25 16:04:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.99	57	2544075	9.617	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	845252	11.200	ppbv	100
46) cis-1,3-Dichloropropene	8.84	75	951854	10.800	ppbv	99
47) 1,1,2-Trichloroethane	9.61	97	645999	9.593	ppbv	98
48) Dibromochloromethane	10.45	129	1180461	10.393	ppbv	99
49) Bromoform	13.21	173	1075411	9.911	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1566850	9.871	ppbv	100
51) 2-Hexanone	10.27	43	1235998	10.439	ppbv #	99
52) Tetrachloroethene	11.38	164	584539	10.234	ppbv	97
53) Toluene	9.95	91	1803474	10.252	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1035107	9.827	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.28	131	828361	7.803	ppbv	99
57) Chlorobenzene	12.30	112	1388368	7.719	ppbv	99
58) Ethyl Benzene	12.87	91	2591566	8.378	ppbv	100
59) m/p-Xylene	13.15	91	1979420	7.164	ppbv #	100
60) o-Xylene	13.85	91	2143729	8.024	ppbv	99
61) Styrene	13.69	104	1601175	8.732	ppbv	100
62) Isopropylbenzene	14.83	105	2978789	7.873	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1496712	7.608	ppbv	100
64) n-propylbenzene	15.73	120	764181	7.960	ppbv	98
65) tert-Butylbenzene	16.91	119	2680137	8.039	ppbv	99
66) Benzyl Chloride	17.16	91	1496423	9.653	ppbv	99
67) sec-Butylbenzene	17.46	105	3821942	8.061	ppbv	99
69) p-Isopropyltoluene	17.82	119	3158926	8.183	ppbv	100
70) n-Butylbenzene	18.72	91	3346025	8.181	ppbv	100
71) 2-Chlorotoluene	15.62	91	2286478	7.948	ppbv	99
72) 4-Ethyltoluene	16.01	105	2457636	8.183	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2376666	8.270	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	2468948	8.015	ppbv	99
75) 1,3-Dichlorobenzene	17.17	146	1468166	7.711	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1461179	7.877	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	1431598	7.925	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	776932	6.497	ppbv	100
79) Naphthalene	22.41	128	2436877	9.242	ppbv	98
80) Naphthalene,2-methyl-	25.12	142	1069003	12.080	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1242591	8.495	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

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VL0325ABS01

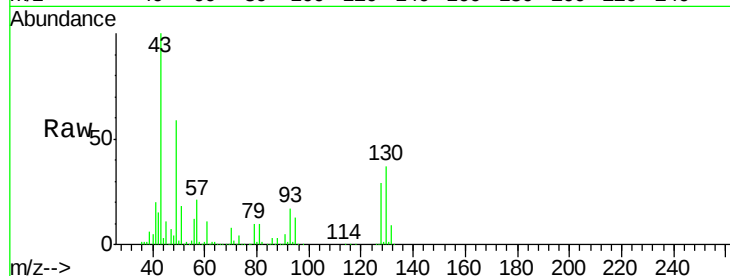
Tgt Ion: 49 Resp: 768513

Ion Ratio Lower Upper

49 100

128 47.9 24.0 72.0

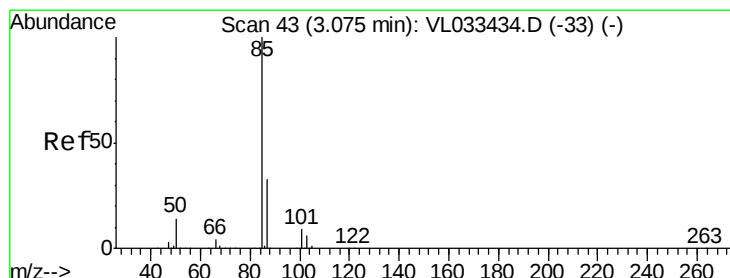
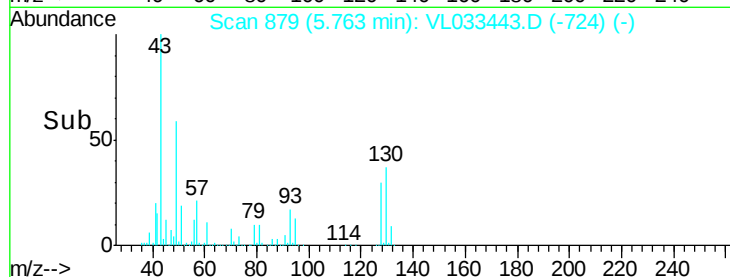
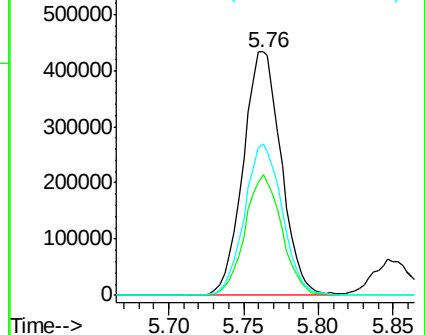
130 62.0 31.2 93.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.000 ppbv

RT: 3.07 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033443.D

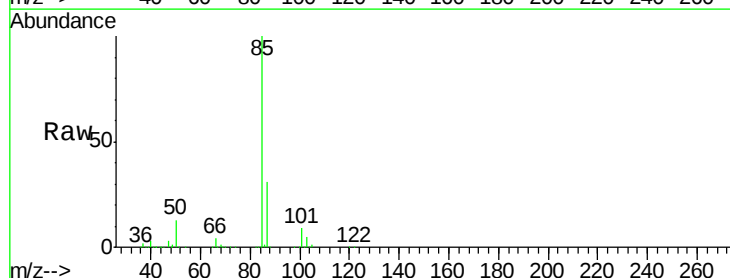
Acq: 25 Mar 2019 19:34

Tgt Ion: 85 Resp: 1008756

Ion Ratio Lower Upper

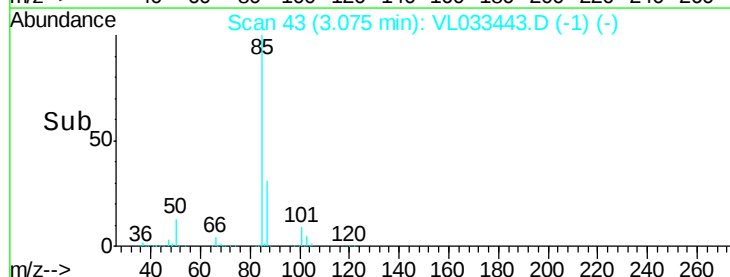
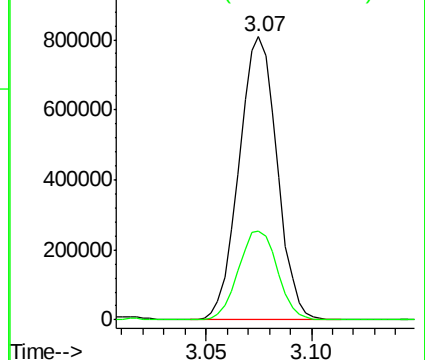
85 100

87 31.4 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.430 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

MSVOA_L

ClientSampleId :

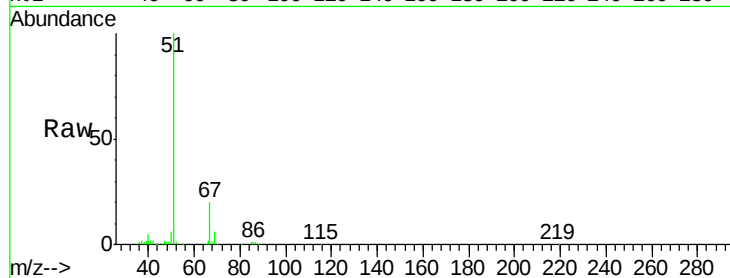
VL0325ABS01

Tgt Ion: 51 Resp: 834347

Ion Ratio Lower Upper

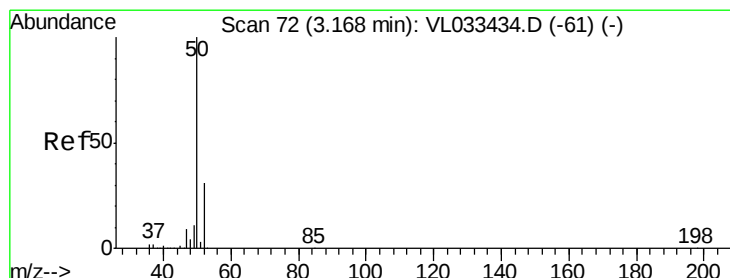
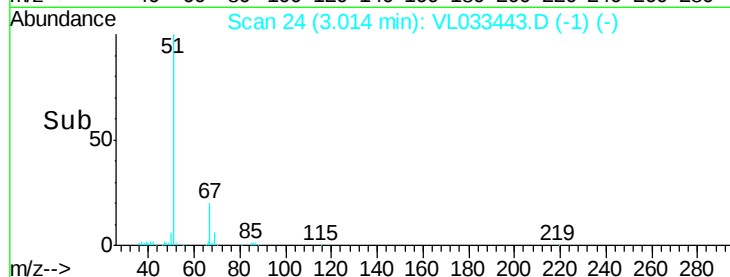
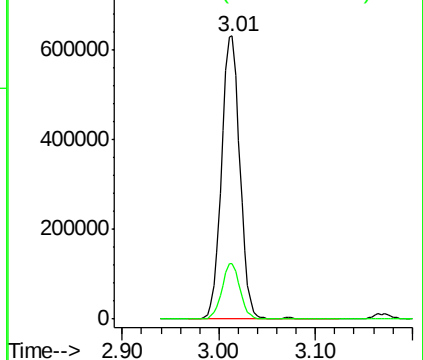
51 100

67 19.2 15.7 23.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.374 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.00 min

Lab File: VL033443.D

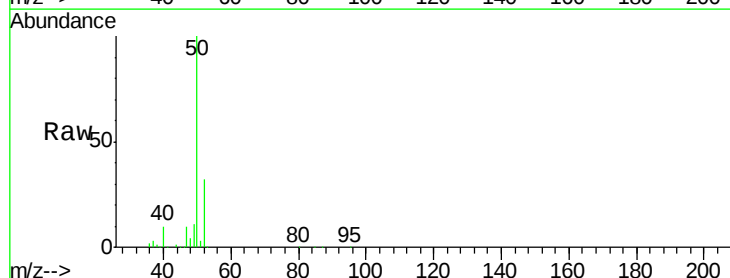
Acq: 25 Mar 2019 19:34

Tgt Ion: 50 Resp: 438885

Ion Ratio Lower Upper

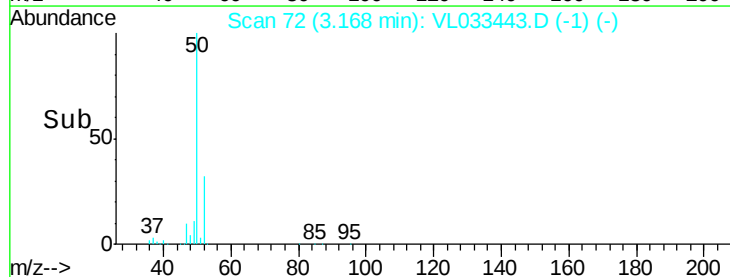
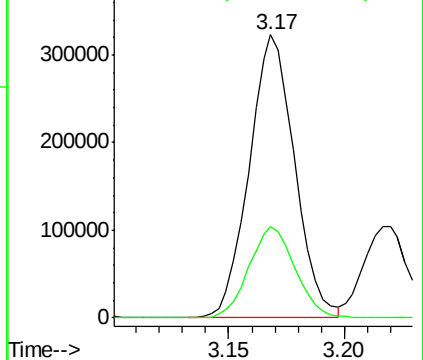
50 100

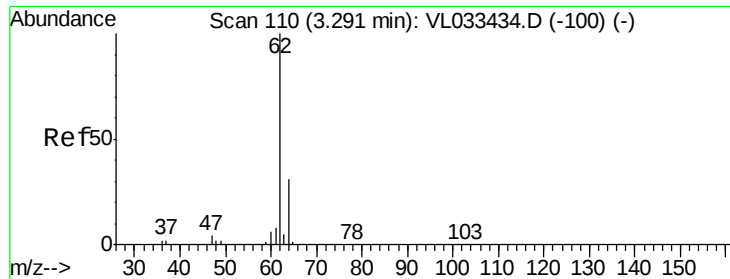
52 32.1 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.666 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

MSVOA_L

ClientSampleId :

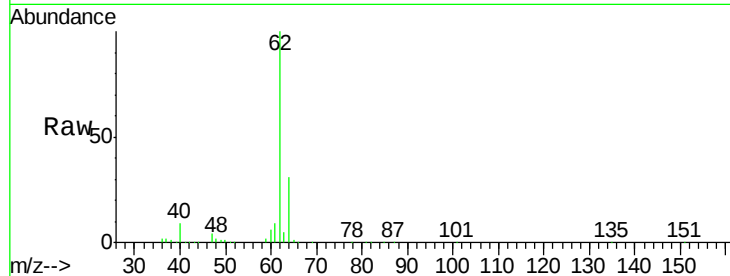
VL0325ABS01

Tgt Ion: 62 Resp: 444633

Ion Ratio Lower Upper

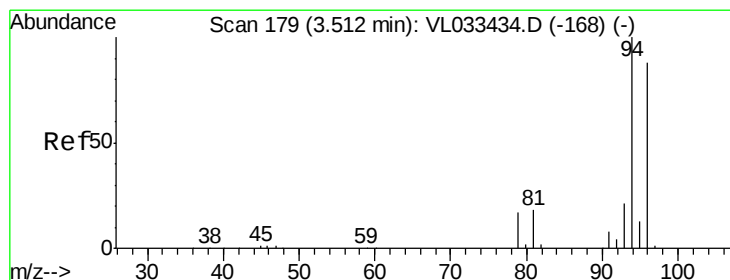
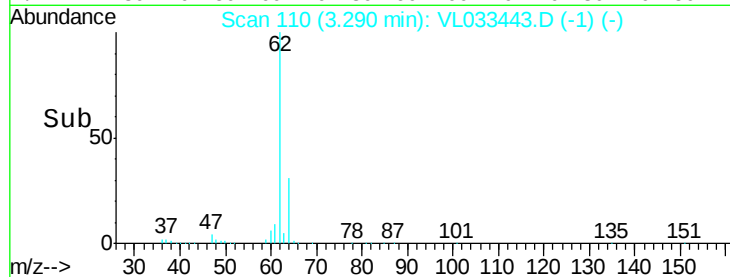
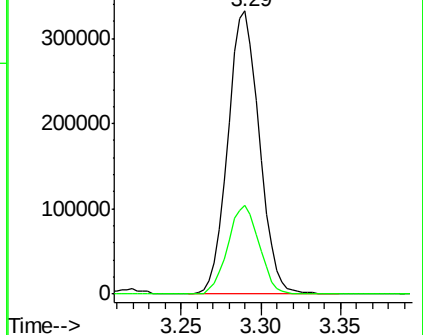
62 100

64 31.4 24.9 37.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.428 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033443.D

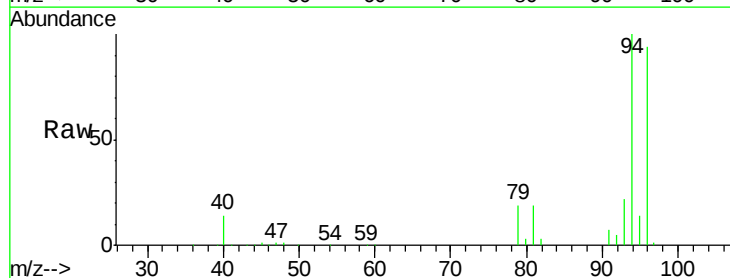
Acq: 25 Mar 2019 19:34

Tgt Ion: 94 Resp: 278709

Ion Ratio Lower Upper

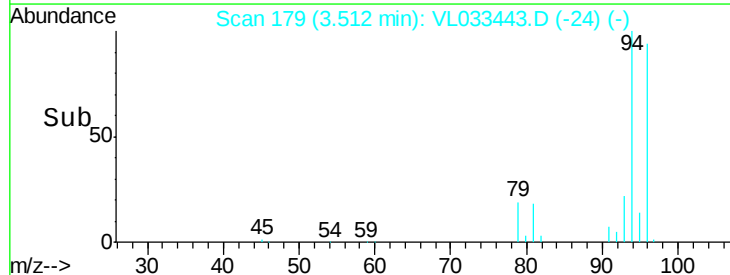
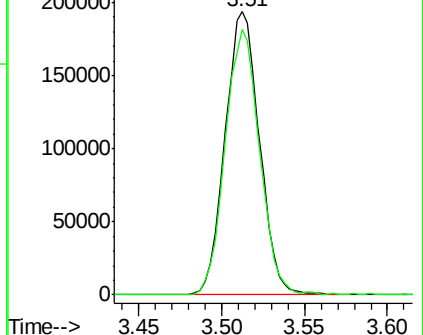
94 100

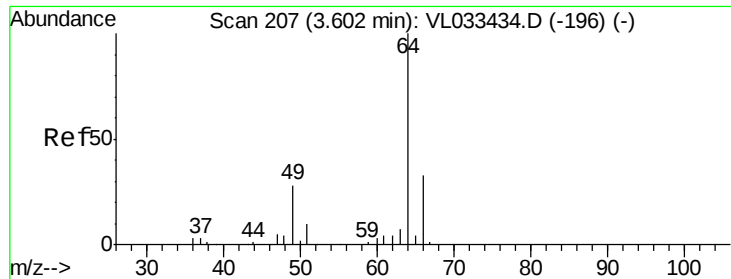
96 94.0 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.612 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

MSVOA_L

ClientSampleId :

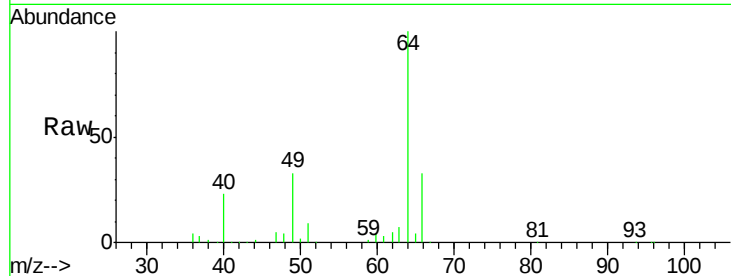
VL0325ABS01

Tgt Ion: 64 Resp: 164553

Ion Ratio Lower Upper

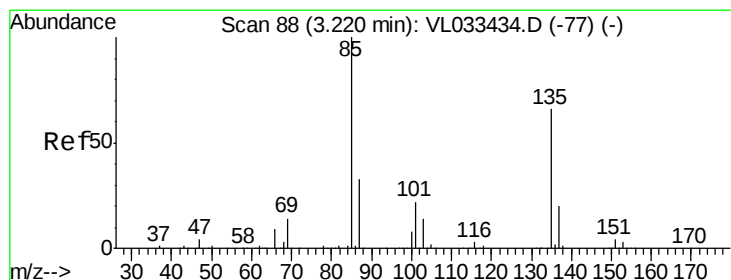
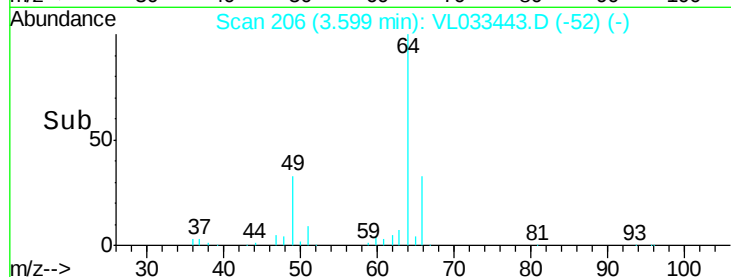
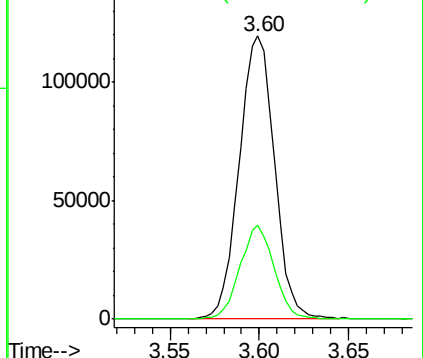
64 100

66 33.4 26.7 40.1



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.237 ppbv

RT: 3.22 min Scan# 87

Delta R.T. -0.00 min

Lab File: VL033443.D

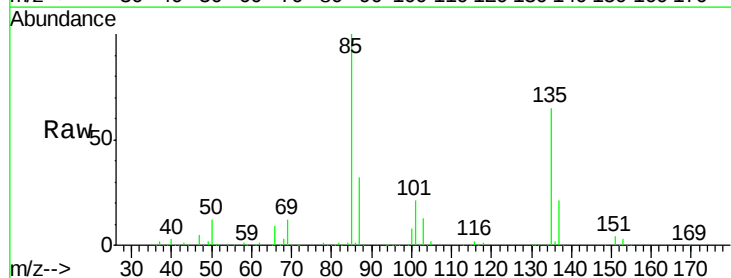
Acq: 25 Mar 2019 19:34

Tgt Ion: 85 Resp: 1103136

Ion Ratio Lower Upper

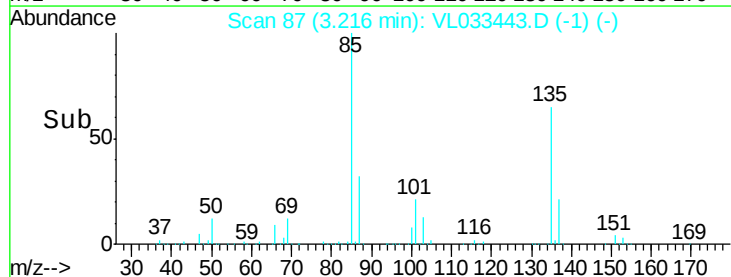
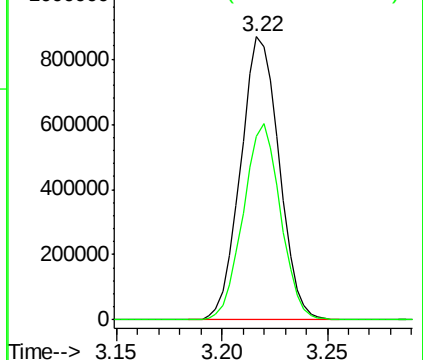
85 100

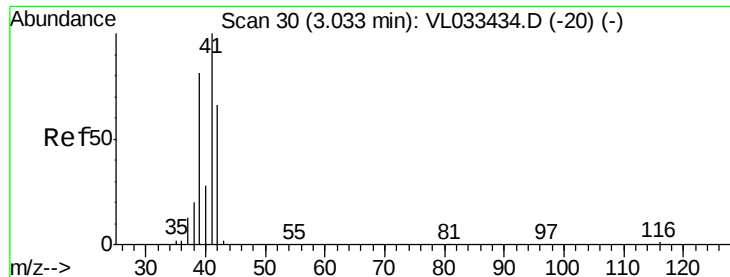
135 67.6 54.0 81.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.481 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

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ClientSampleId :

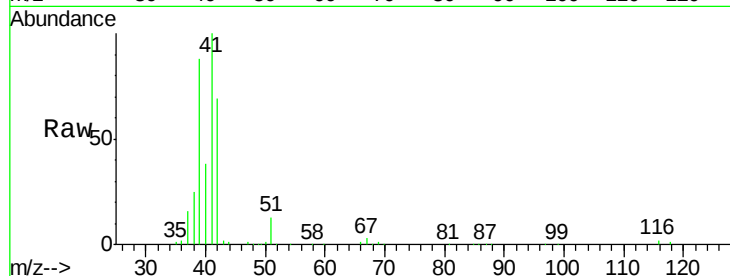
VL0325ABS01

Tgt Ion: 41 Resp: 352286

Ion Ratio Lower Upper

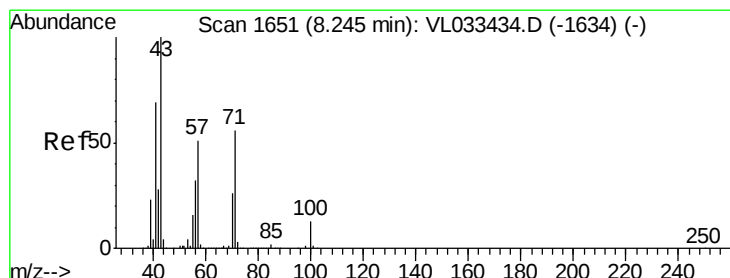
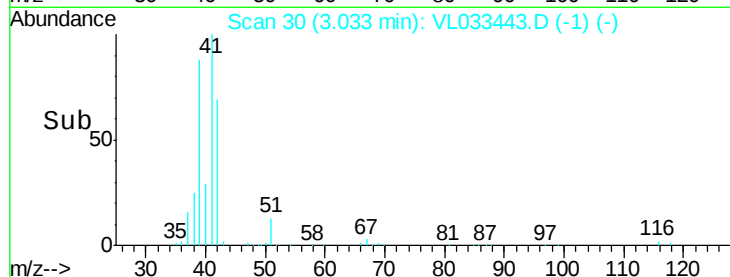
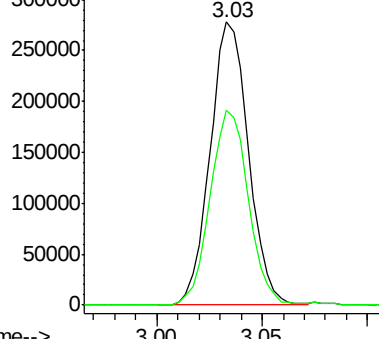
41 100

42 69.4 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.233 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.00 min

Lab File: VL033443.D

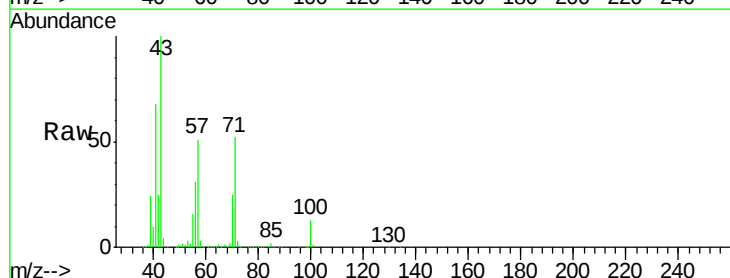
Acq: 25 Mar 2019 19:34

Tgt Ion: 43 Resp: 953681

Ion Ratio Lower Upper

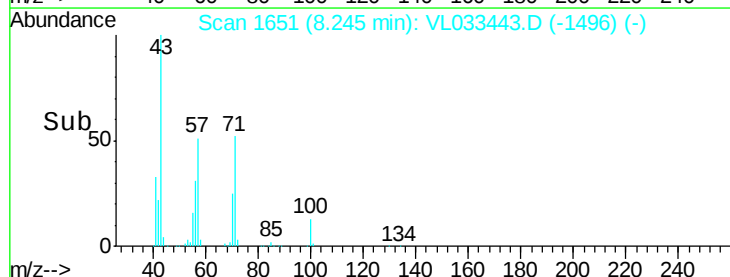
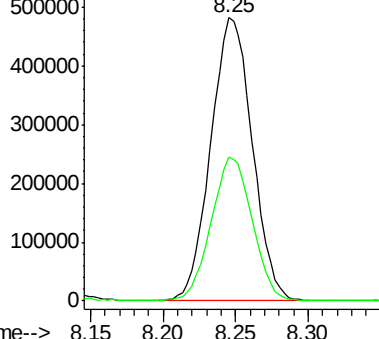
43 100

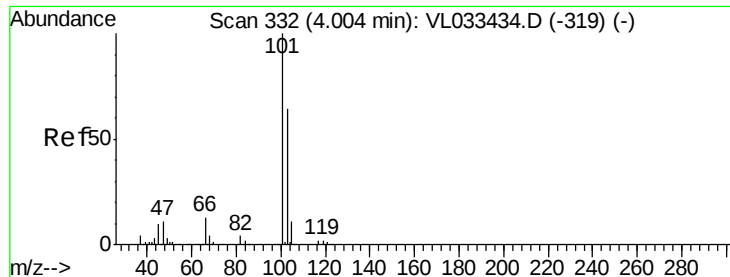
57 50.8 40.6 60.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 9.177 ppbv

RT: 4.00 min Scan# 331

Delta R.T. -0.00 min

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Acq: 25 Mar 2019 19:34

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ClientSampleId :

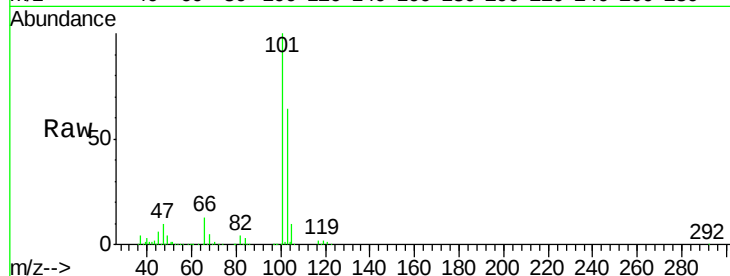
VL0325ABS01

Tgt Ion:101 Resp: 1267694

Ion Ratio Lower Upper

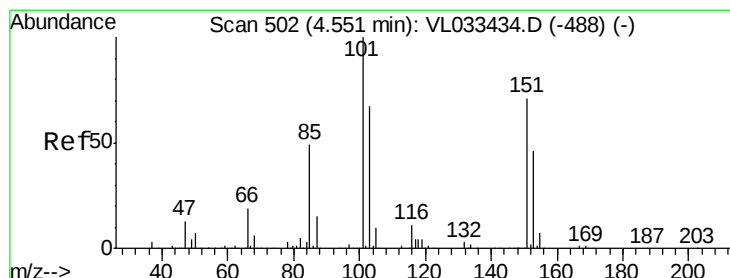
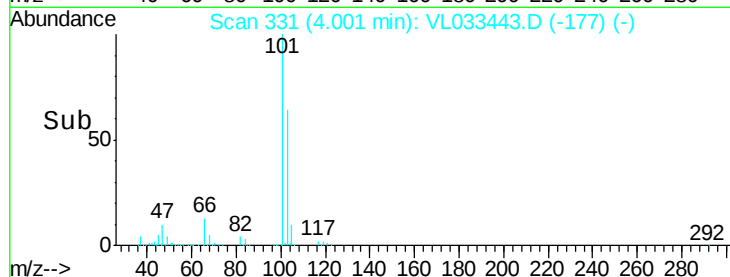
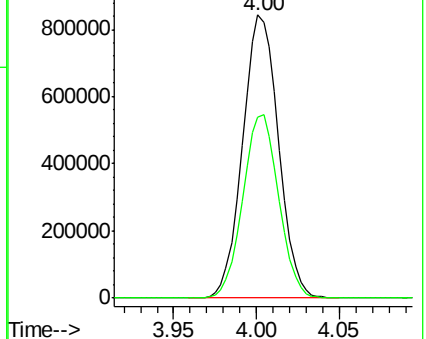
101 100

103 63.8 51.3 76.9



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: 9.365 ppbv

RT: 4.55 min Scan# 502

Delta R.T. -0.00 min

Lab File: VL033443.D

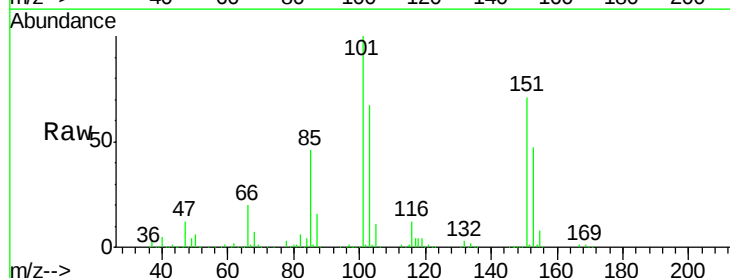
Acq: 25 Mar 2019 19:34

Tgt Ion:101 Resp: 868924

Ion Ratio Lower Upper

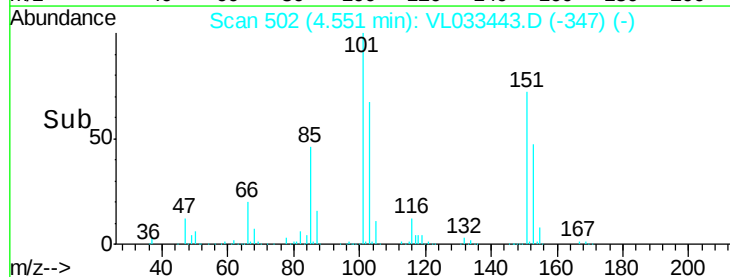
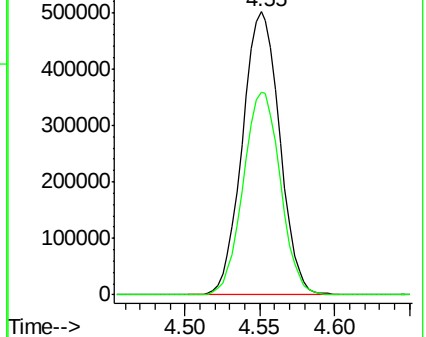
101 100

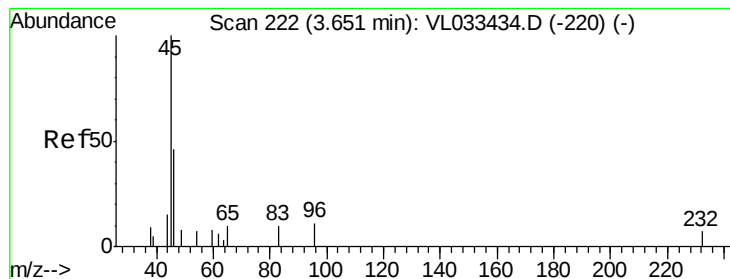
151 71.5 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 10.325 ppbv

RT: 3.64 min Scan# 220

Delta R.T. -0.01 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

MSVOA_L

ClientSampleId :

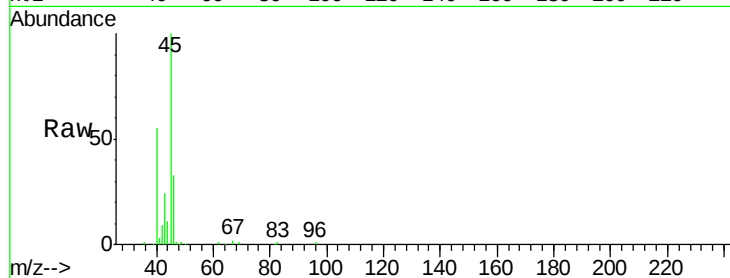
VL0325ABS01

Tgt Ion: 45 Resp: 90518

Ion Ratio Lower Upper

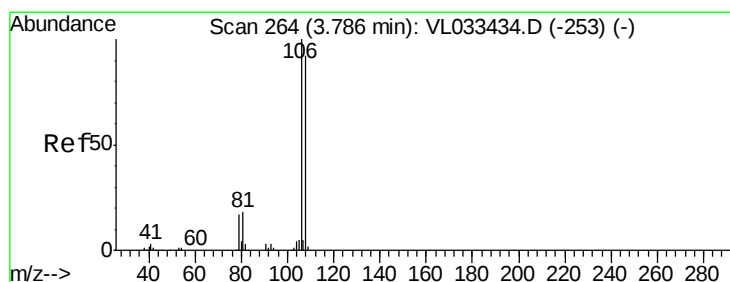
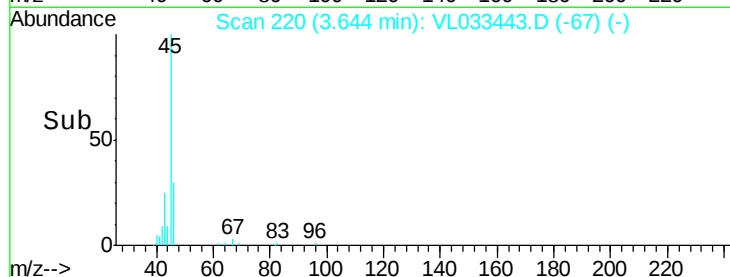
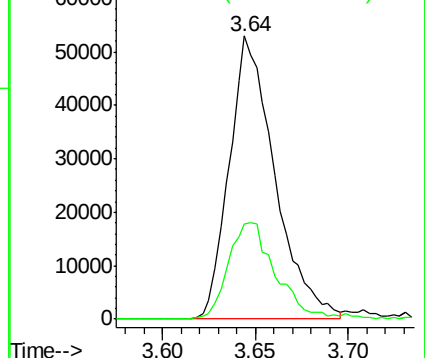
45 100

46 36.0 25.4 101.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.746 ppbv

RT: 3.79 min Scan# 264

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

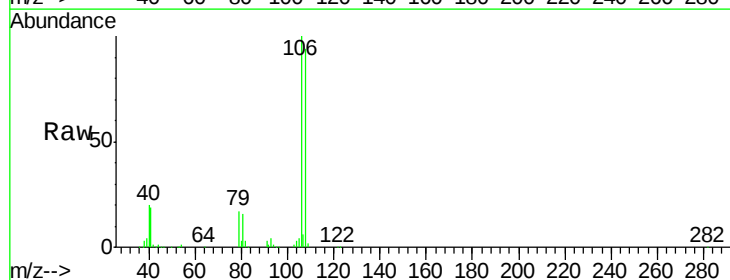
Tgt Ion: 108 Resp: 360655

Ion Ratio Lower Upper

108 100

106 107.3 86.4 129.6

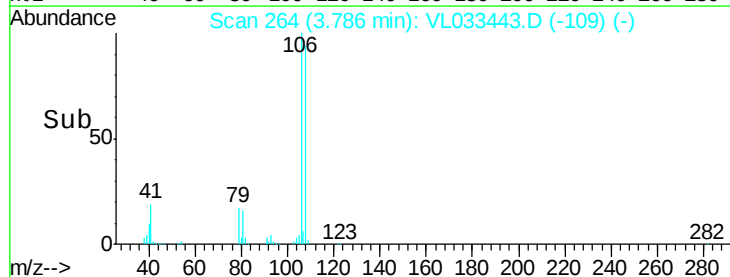
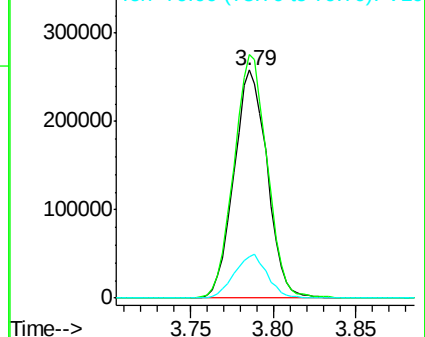
79 19.2 15.8 23.8

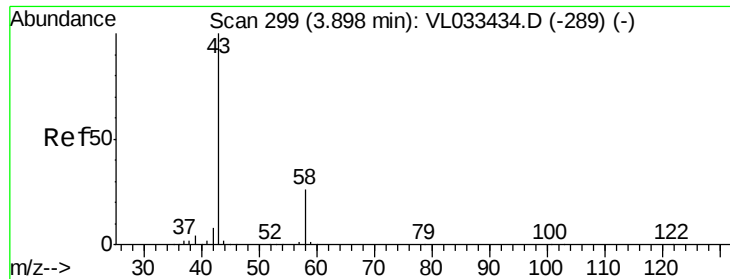


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.661 ppbv

RT: 3.90 min Scan# 299

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

MSVOA_L

ClientSampleId :

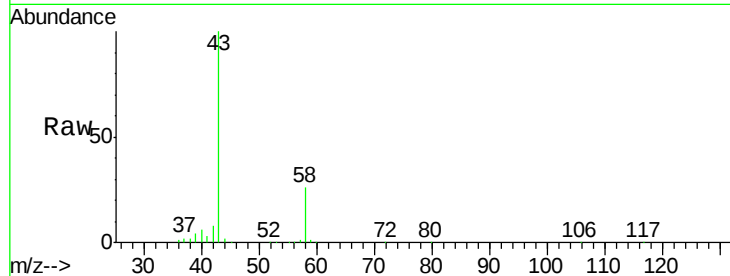
VL0325ABS01

Tgt Ion: 43 Resp: 800352

Ion Ratio Lower Upper

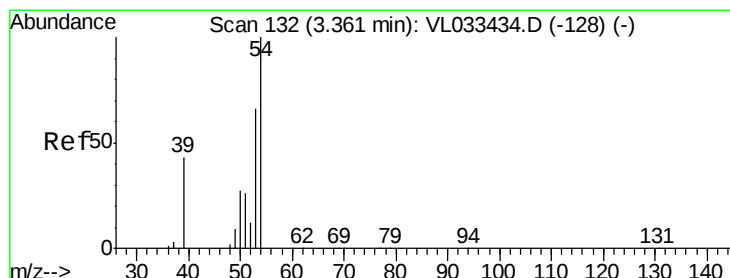
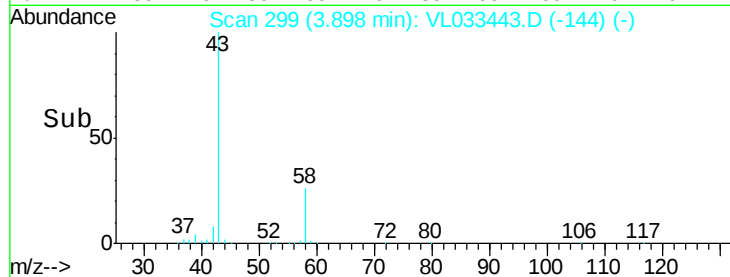
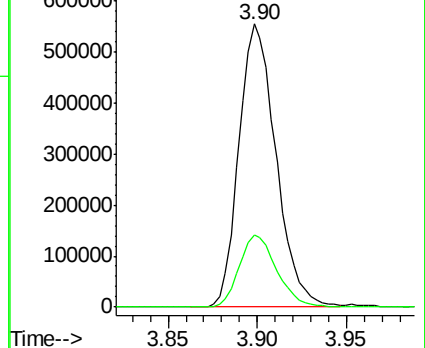
43 100

58 25.9 20.5 30.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.585 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033443.D

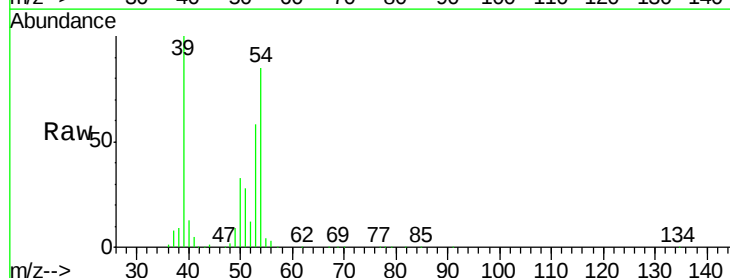
Acq: 25 Mar 2019 19:34

Tgt Ion: 39 Resp: 387955

Ion Ratio Lower Upper

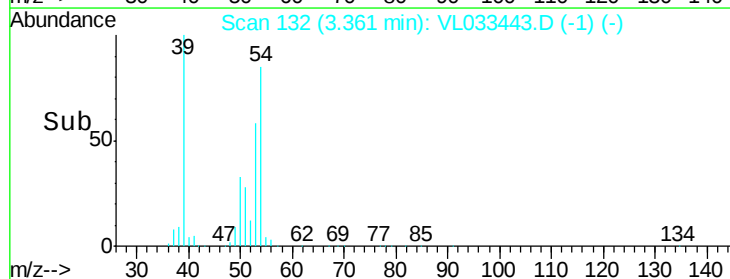
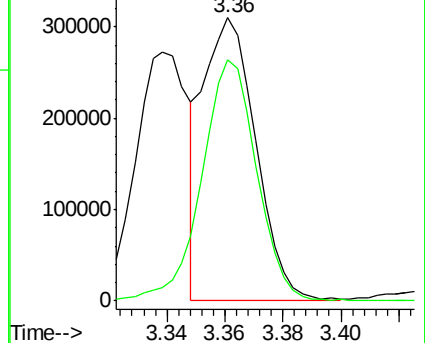
39 100

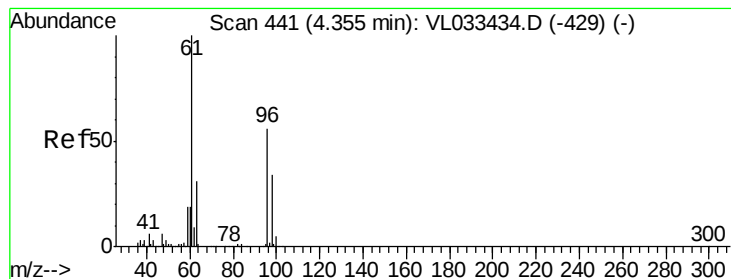
54 90.5 69.4 104.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 9.700 ppbv

RT: 4.35 min Scan# 441

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

MSVOA_L

ClientSampleId :

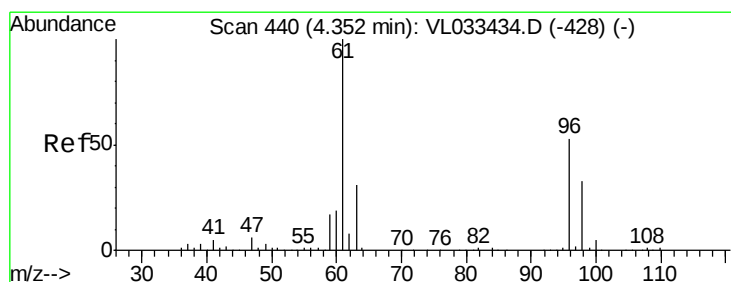
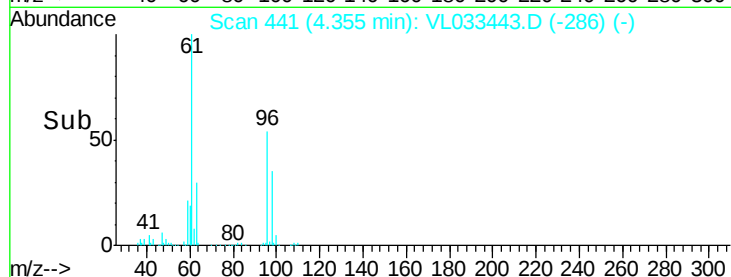
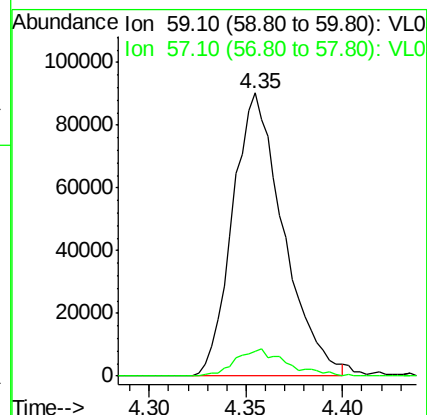
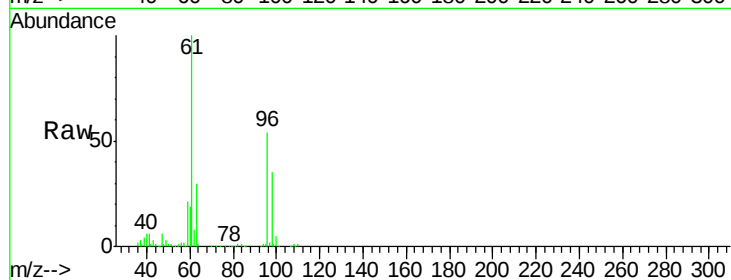
VL0325ABS01

Tgt Ion: 59 Resp: 164800

Ion Ratio Lower Upper

59 100

57 9.8 7.8 11.8



#18

1,1-Dichloroethene

Concen: 9.501 ppbv

RT: 4.35 min Scan# 440

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

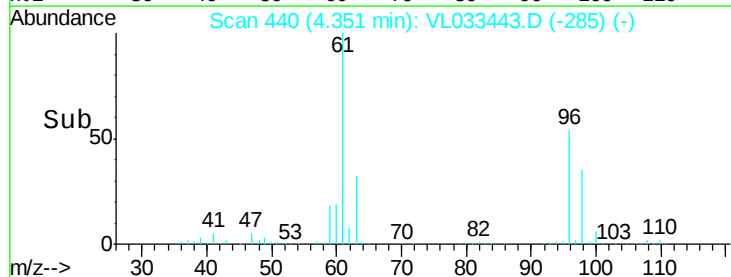
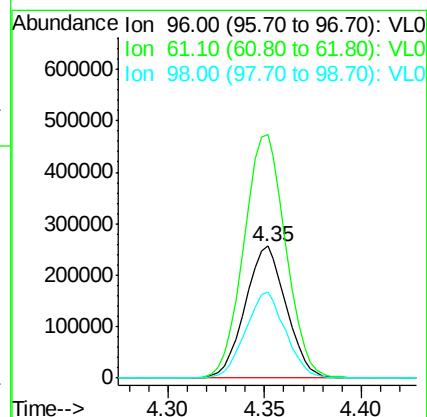
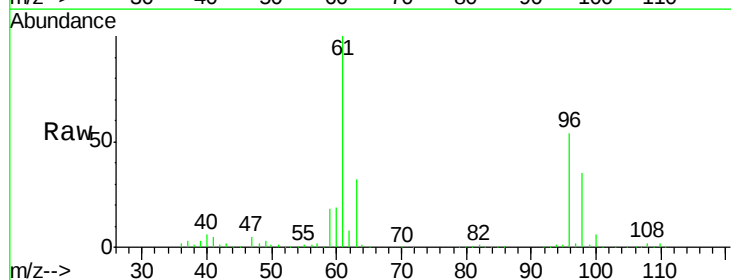
Tgt Ion: 96 Resp: 378667

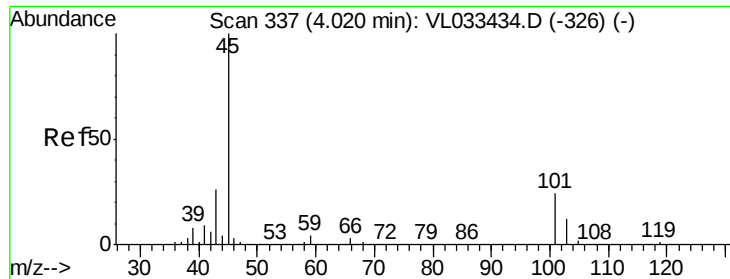
Ion Ratio Lower Upper

96 100

61 184.0 149.8 224.6

98 65.0 48.7 73.1





#19

Isopropyl Alcohol

Concen: 9.702 ppbv

RT: 4.02 min Scan# 337

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

MSVOA_L

ClientSampleId :

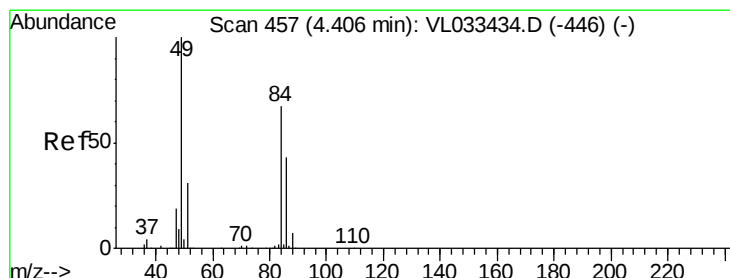
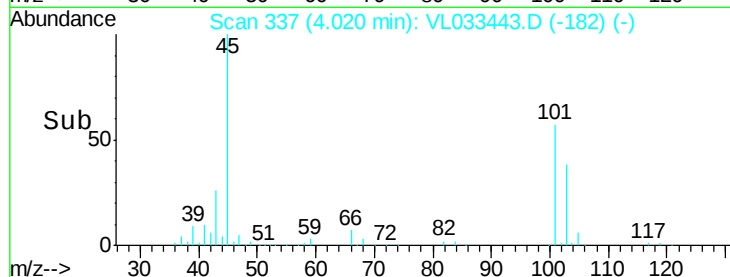
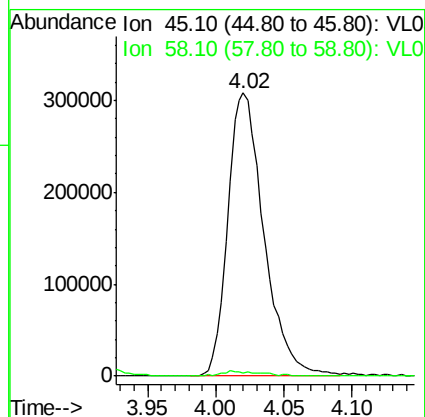
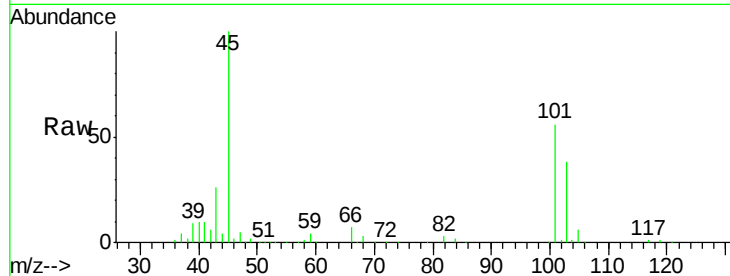
VL0325ABS01

Tgt Ion: 45 Resp: 567059

Ion Ratio Lower Upper

45 100

58 2.3 1.4 2.2#



#20

Methylene Chloride

Concen: 8.655 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Tgt Ion: 84 Resp: 339501

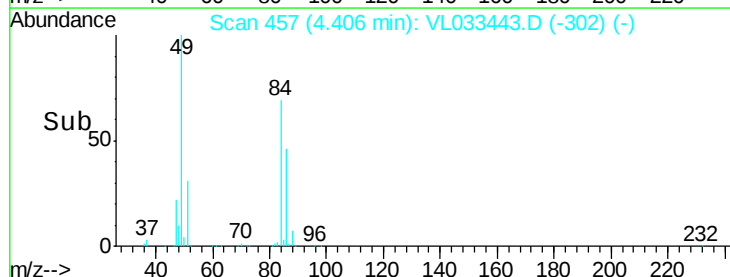
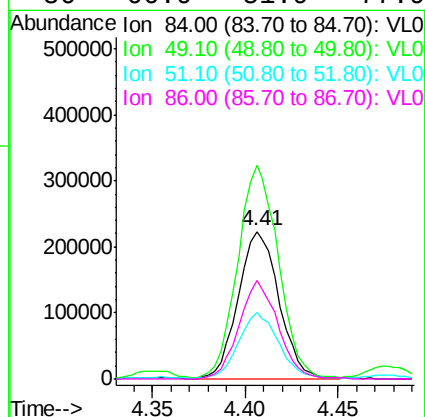
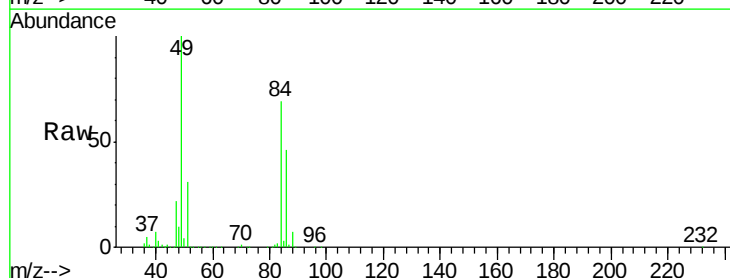
Ion Ratio Lower Upper

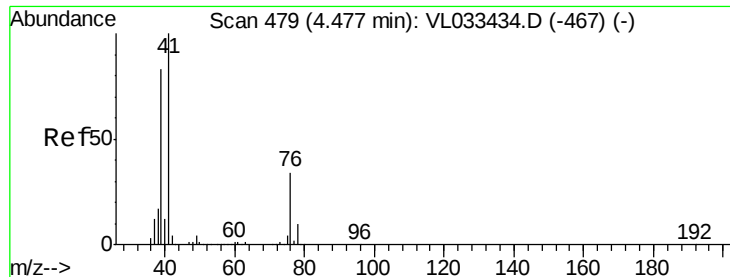
84 100

49 144.2 120.0 180.0

51 44.6 36.7 55.1

86 66.9 51.9 77.9





#21

Allyl Chloride

Concen: 9.756 ppbv

RT: 4.48 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

MSVOA_L

ClientSampleId :

VL0325ABS01

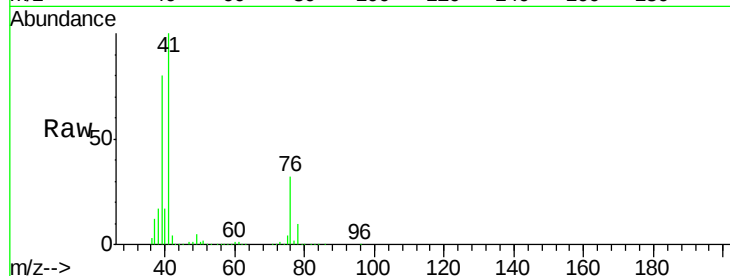
Tgt Ion: 41 Resp: 569903

Ion Ratio Lower Upper

41 100

76 32.2 25.4 38.2

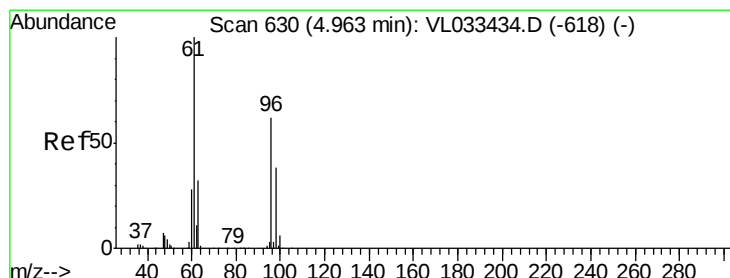
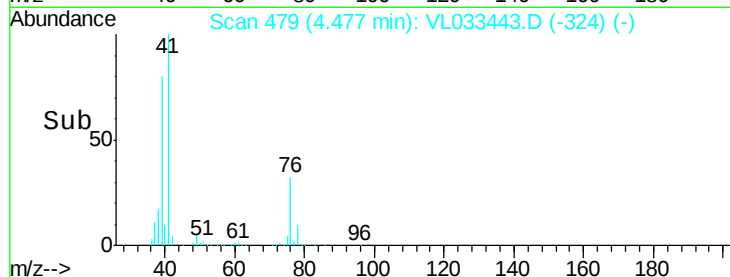
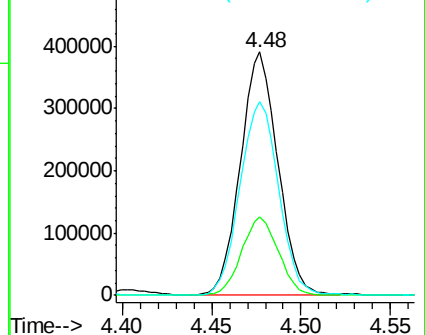
39 83.2 65.3 97.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.507 ppbv

RT: 4.96 min Scan# 630

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

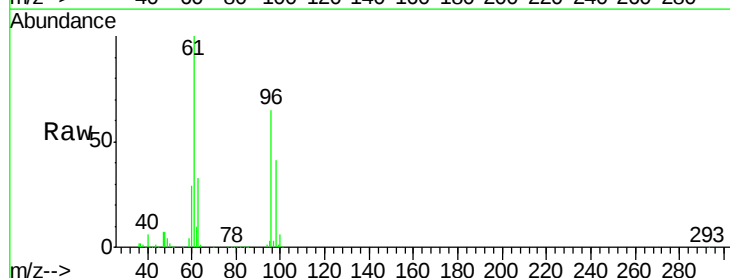
Tgt Ion: 96 Resp: 395283

Ion Ratio Lower Upper

96 100

61 154.1 128.9 193.3

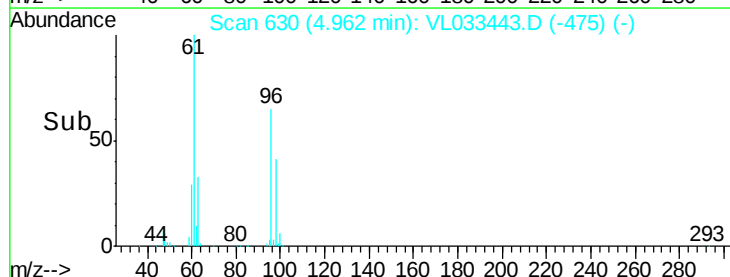
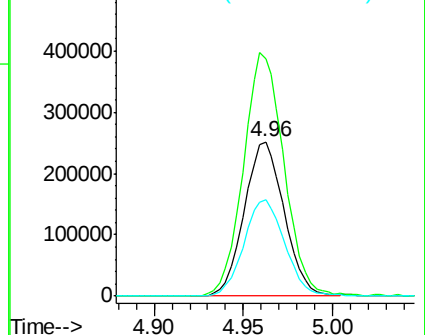
98 62.7 49.5 74.3

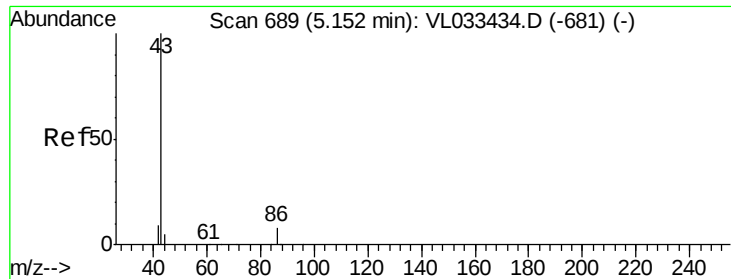


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.950 ppbv

RT: 5.16 min Scan# 690

Delta R.T. 0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

MSVOA_L

ClientSampleId :

VL0325ABS01

Tgt Ion: 43 Resp: 1308644

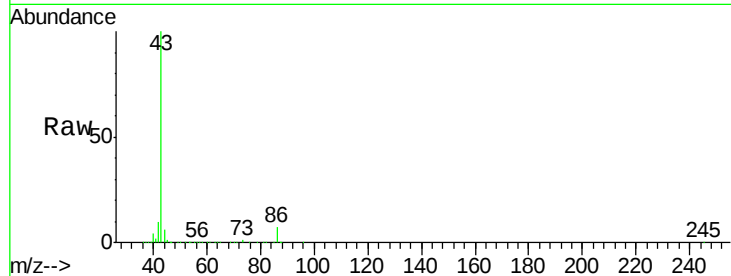
Ion Ratio Lower Upper

43 100

86 7.4 5.6 8.4

42 9.9 8.0 12.0

44 5.4 3.9 5.9

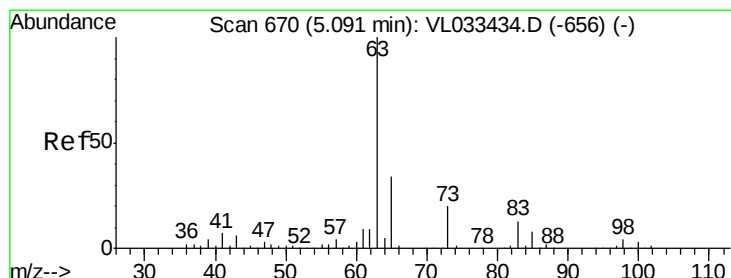
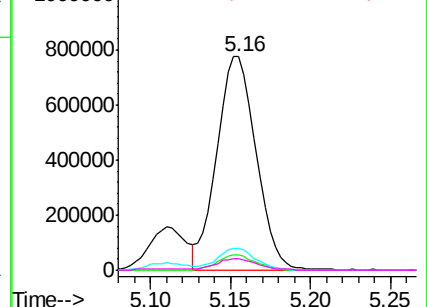
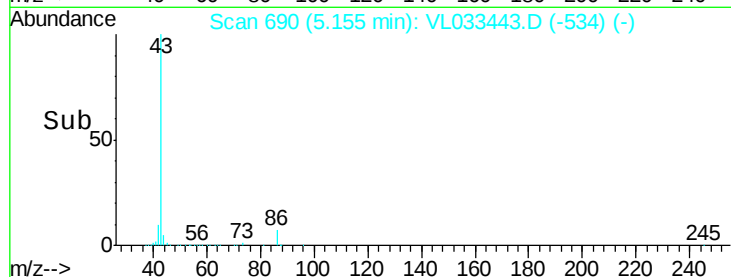


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.324 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

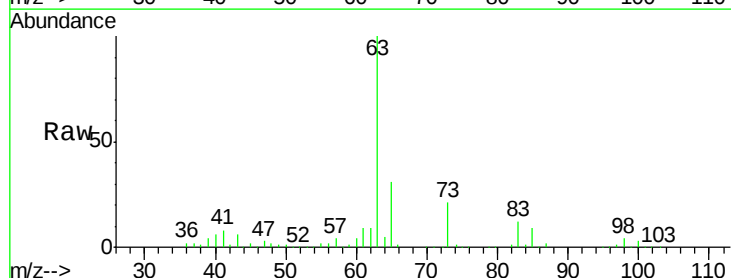
Tgt Ion: 63 Resp: 931558

Ion Ratio Lower Upper

63 100

98 3.9 2.2 6.6

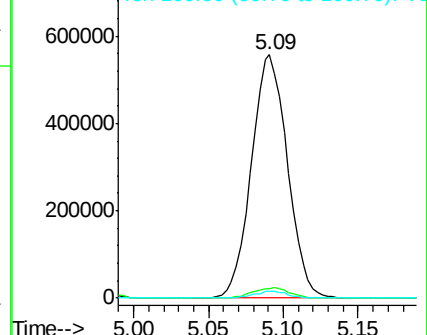
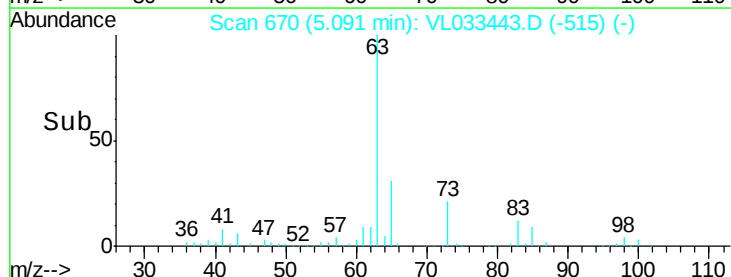
100 2.9 1.5 4.4

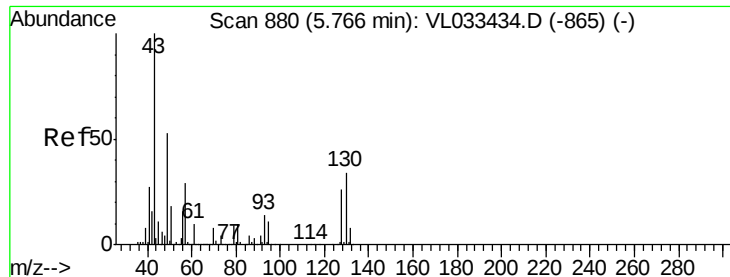


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.315 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

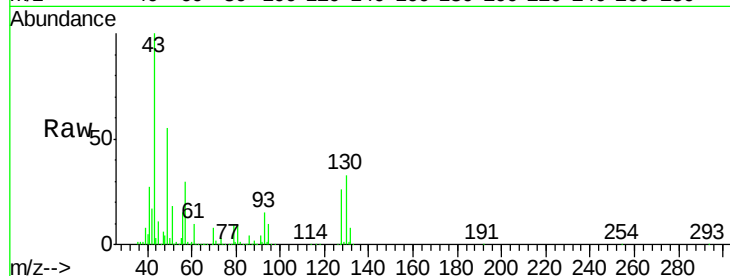
MSVOA_L

ClientSampleId :

VL0325ABS01

Tgt Ion: 43 Resp: 1597106

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.6
61	9.2	7.3	10.9
70	6.9	5.6	8.4

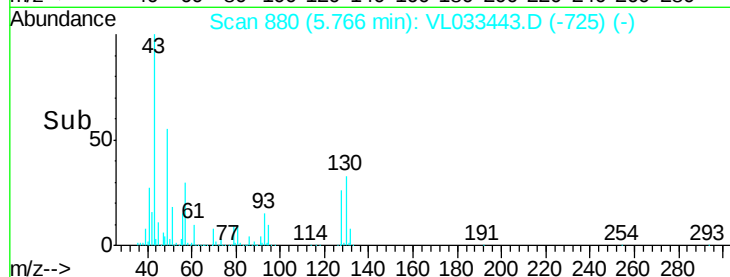


Abundance Ion 43.10 (42.80 to 43.80): VL0

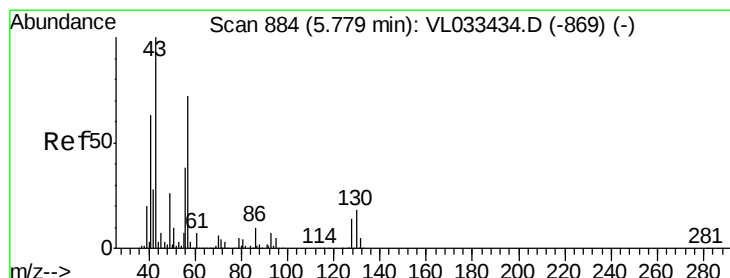
Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



Time-->



#26

Hexane

Concen: 9.370 ppbv

RT: 5.78 min Scan# 884

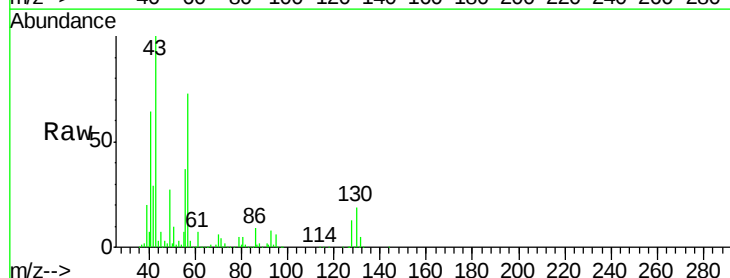
Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Tgt Ion: 57 Resp: 714259

Ion	Ratio	Lower	Upper
57	100		
41	90.8	70.7	106.1
43	224.5	182.6	274.0
56	52.6	42.0	63.0

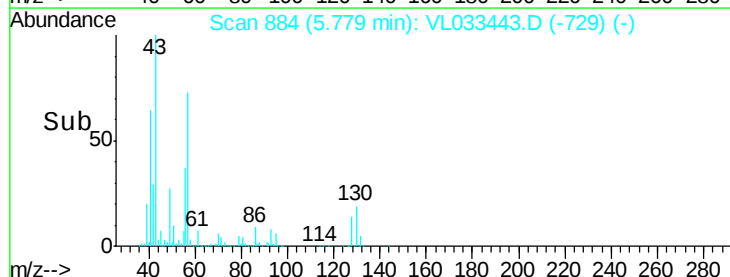


Abundance Ion 57.10 (56.80 to 57.80): VL0

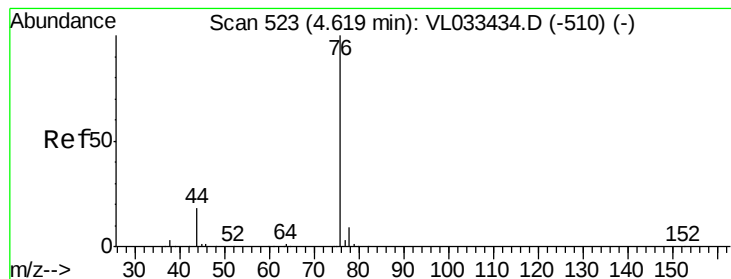
Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



Time-->



#27

Carbon Disulfide

Concen: 10.473 ppbv

RT: 4.62 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

MSVOA_L

ClientSampleId :

VL0325ABS01

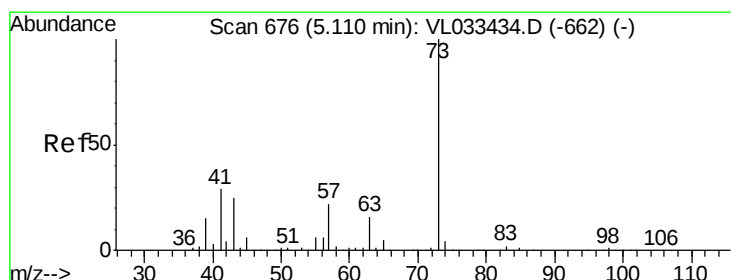
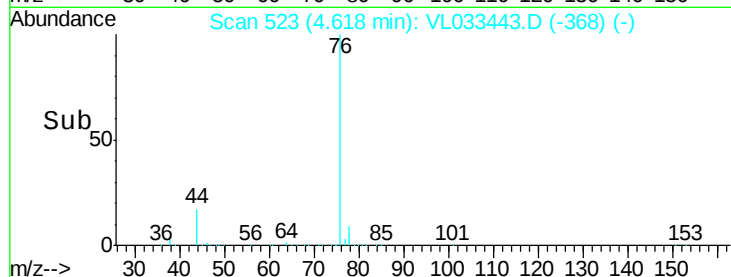
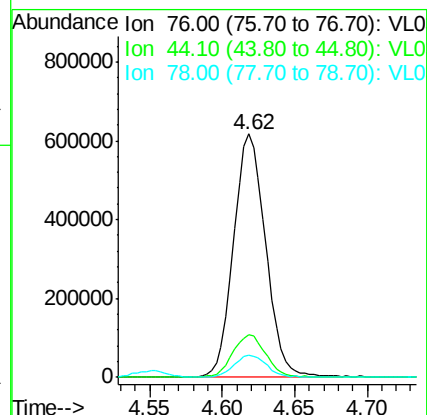
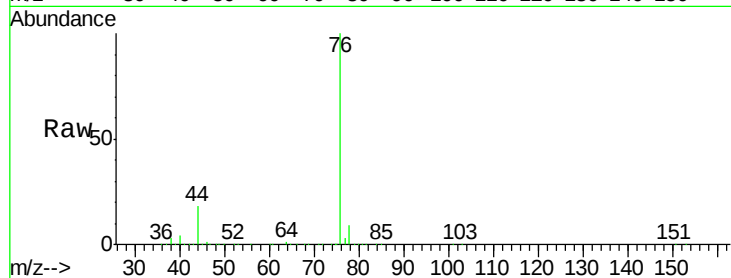
Tgt Ion: 76 Resp: 949398

Ion Ratio Lower Upper

76 100

44 17.9 14.8 22.2

78 9.3 7.6 11.4



#28

Methyl tert-Butyl Ether

Concen: 9.757 ppbv

RT: 5.11 min Scan# 676

Delta R.T. -0.00 min

Lab File: VL033443.D

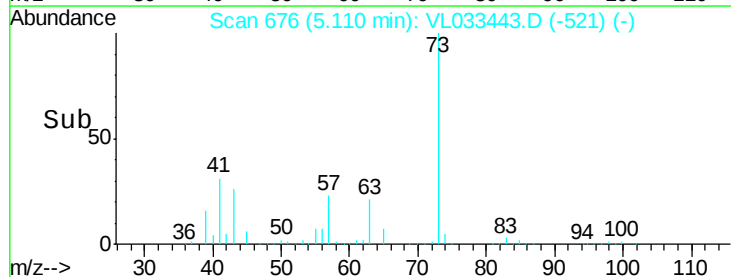
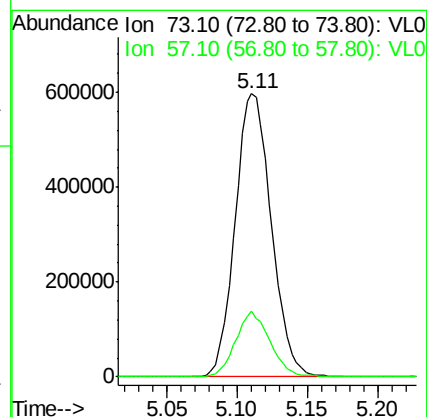
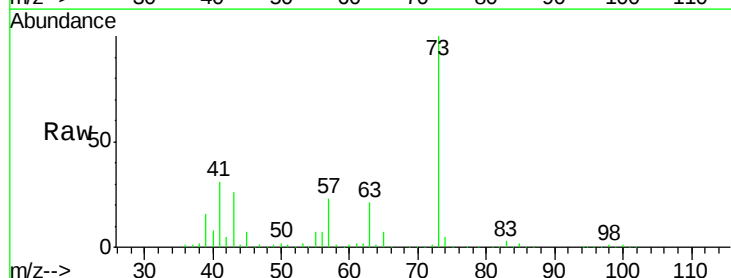
Acq: 25 Mar 2019 19:34

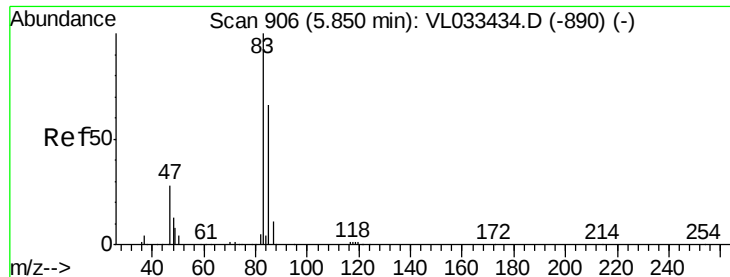
Tgt Ion: 73 Resp: 1071219

Ion Ratio Lower Upper

73 100

57 22.1 17.4 26.2

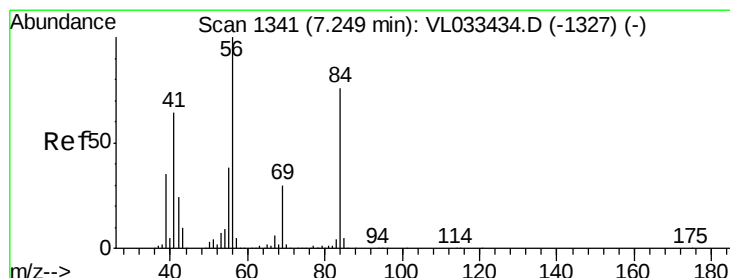
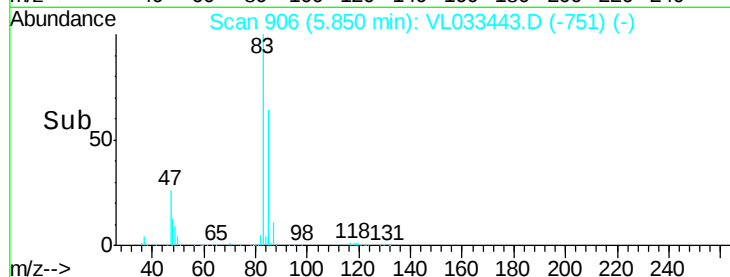
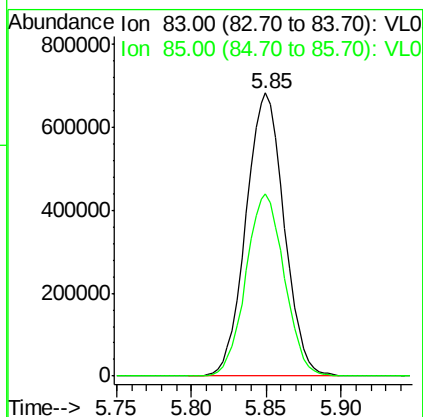
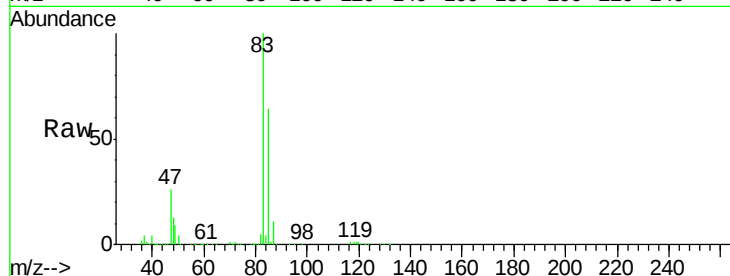




#29
Chloroform
Concen: 9.274 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033443.D
Acq: 25 Mar 2019 19:34

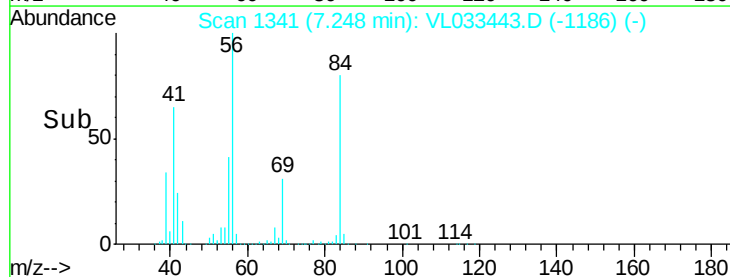
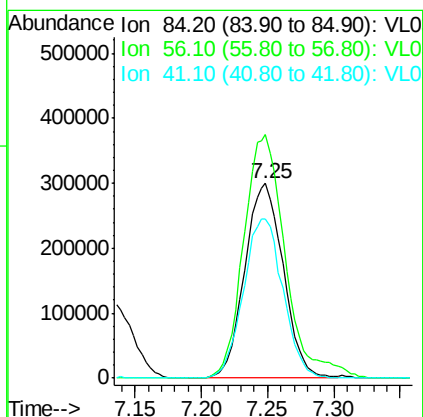
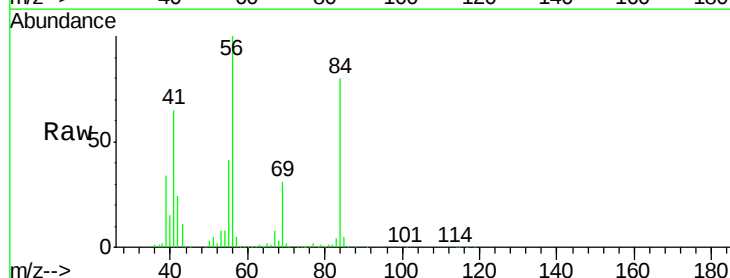
Instrument :
MSVOA_L
ClientSampleId :
VL0325ABS01

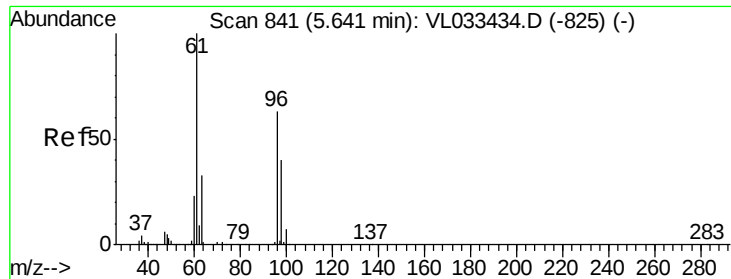
Tgt Ion: 83 Resp: 1211838
Ion Ratio Lower Upper
83 100
85 64.1 52.6 79.0



#30
Cyclohexane
Concen: 10.064 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033443.D
Acq: 25 Mar 2019 19:34

Tgt Ion: 84 Resp: 606945
Ion Ratio Lower Upper
84 100
56 134.7 109.7 164.5
41 84.0 68.2 102.2



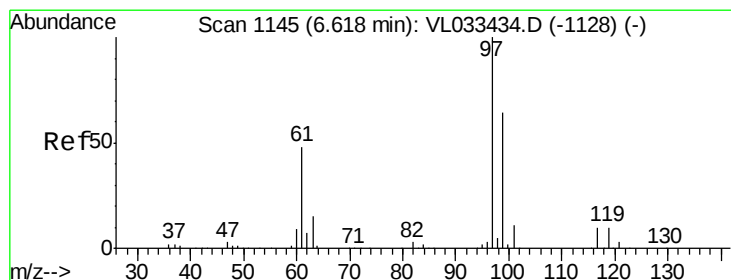
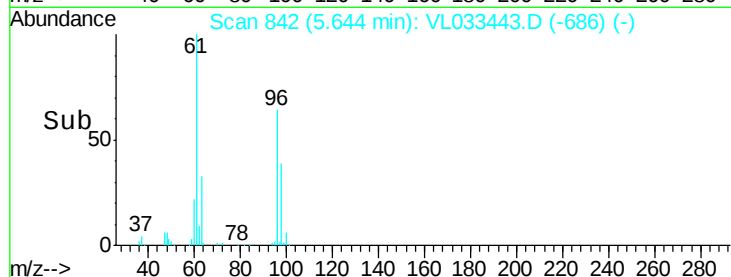
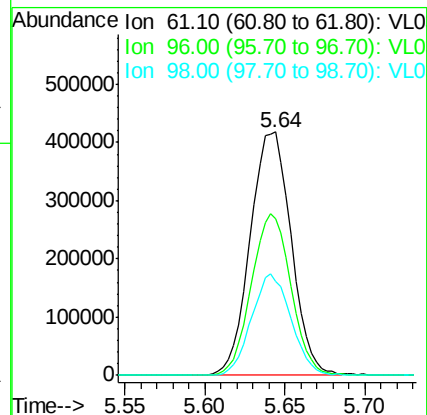
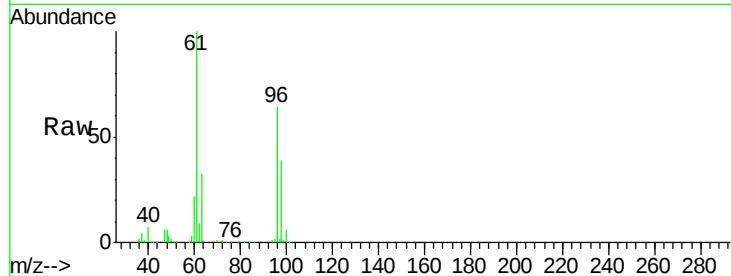


#31

cis-1,2-Dichloroethene
 Concen: 9.668 ppbv
 RT: 5.64 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: VL033443.D
 Acq: 25 Mar 2019 19:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0325ABS01

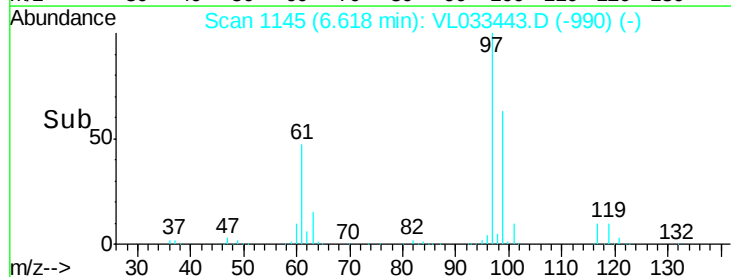
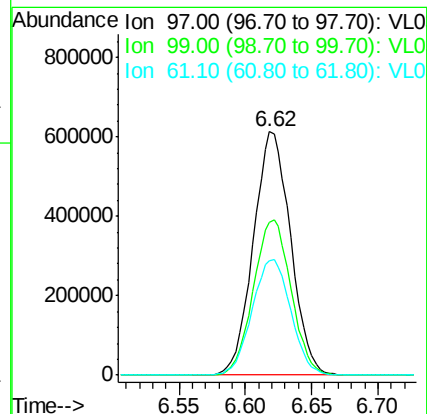
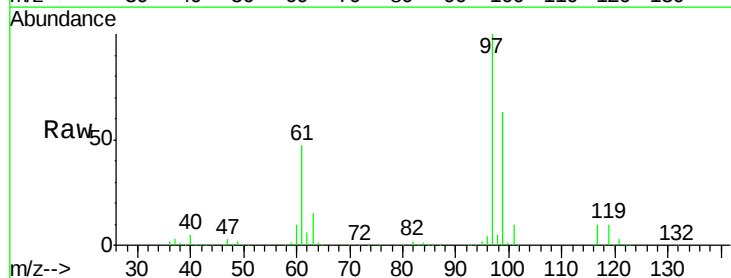
Tgt Ion: 61 Resp: 732713
 Ion Ratio Lower Upper
 61 100
 96 64.3 50.6 76.0
 98 38.6 32.2 48.2

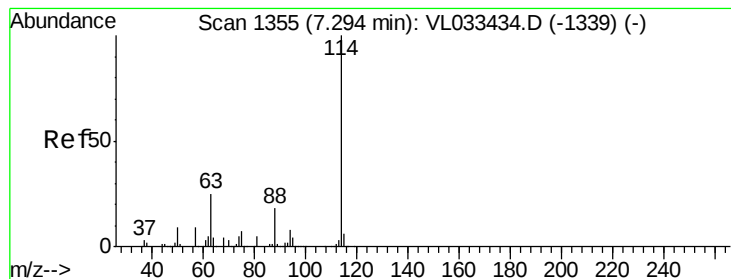


#32

1,1,1-Trichloroethane
 Concen: 9.646 ppbv
 RT: 6.62 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VL033443.D
 Acq: 25 Mar 2019 19:34

Tgt Ion: 97 Resp: 1200278
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.5 77.3
 61 49.4 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

MSVOA_L

ClientSampleId :

VL0325ABS01

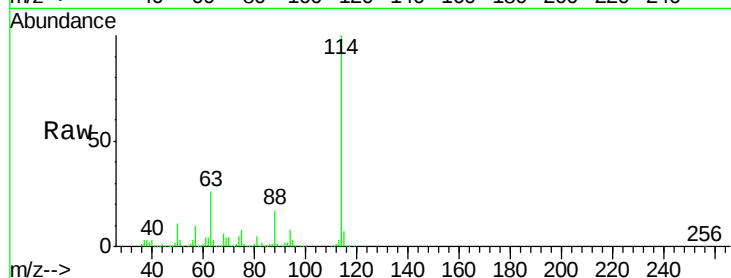
Tgt Ion:114 Resp: 1804219

Ion Ratio Lower Upper

114 100

63 27.1 21.5 32.3

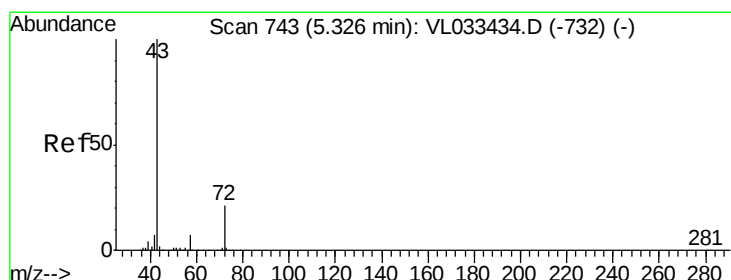
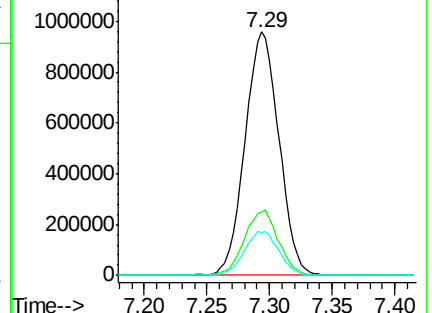
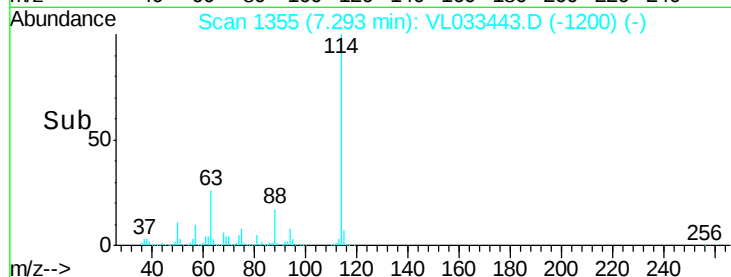
88 18.2 14.5 21.7



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.589 ppbv

RT: 5.33 min Scan# 743

Delta R.T. -0.00 min

Lab File: VL033443.D

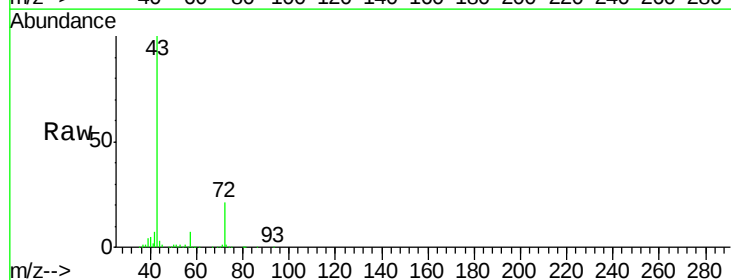
Acq: 25 Mar 2019 19:34

Tgt Ion: 43 Resp: 1039476

Ion Ratio Lower Upper

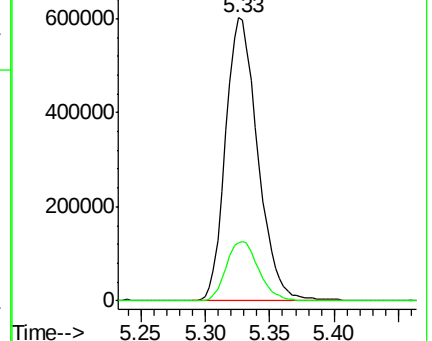
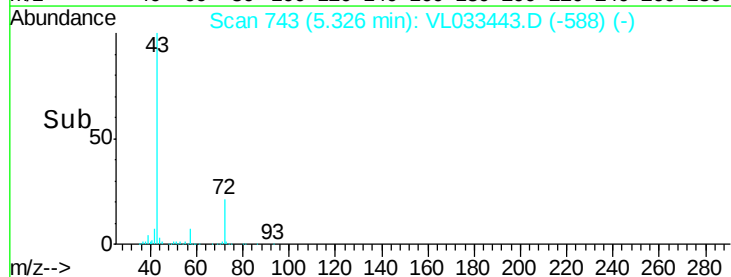
43 100

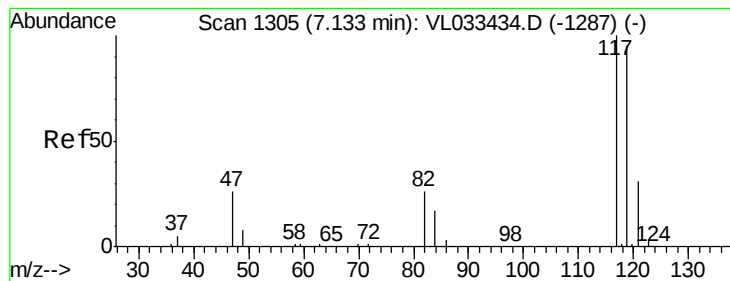
72 21.3 17.4 26.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.914 ppbv

RT: 7.14 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

MSVOA_L

ClientSampleId :

VL0325ABS01

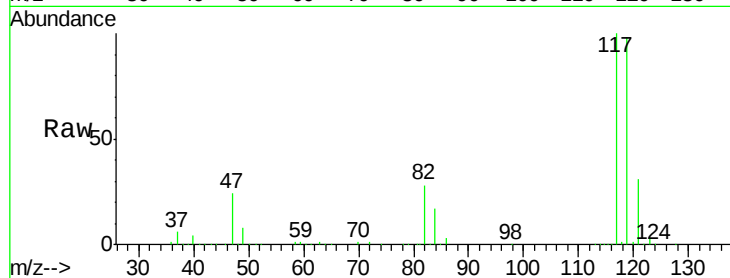
Tgt Ion:117 Resp: 1284140

Ion Ratio Lower Upper

117 100

119 98.0 75.8 113.8

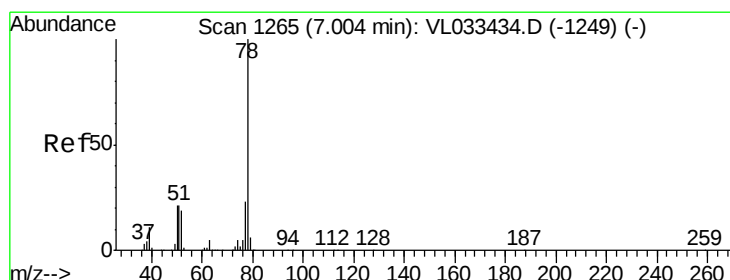
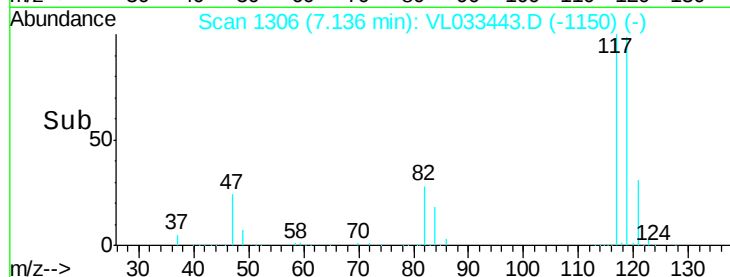
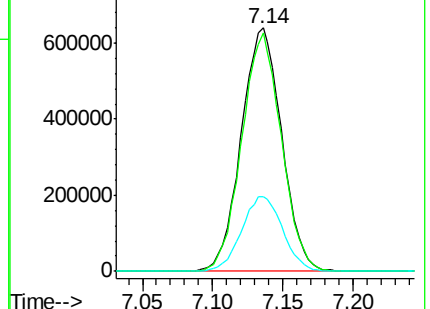
121 30.8 24.7 37.1



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: 9.879 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

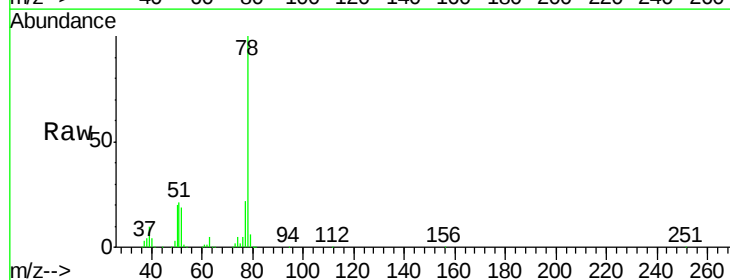
Tgt Ion: 78 Resp: 1495600

Ion Ratio Lower Upper

78 100

77 22.3 18.1 27.1

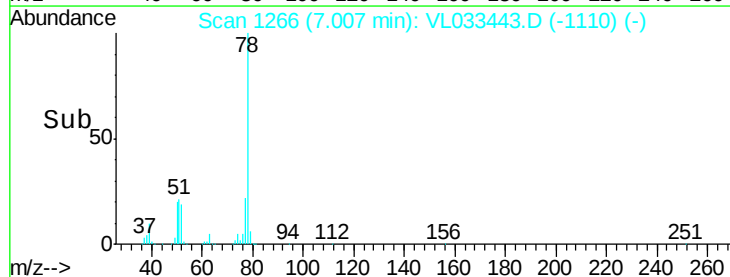
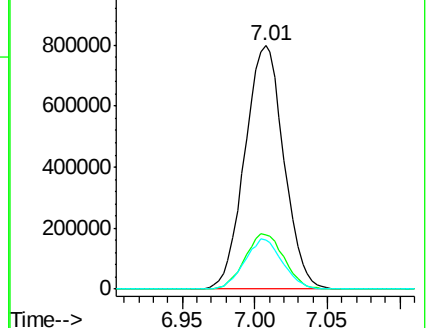
50 19.9 16.7 25.1

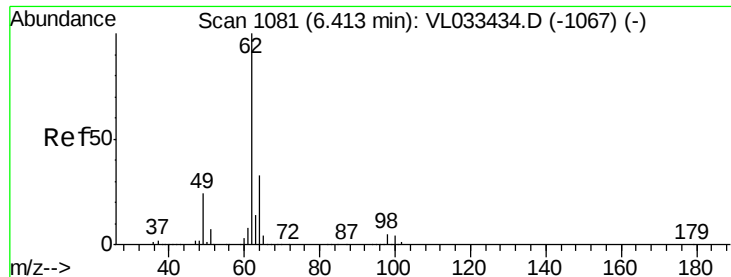


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

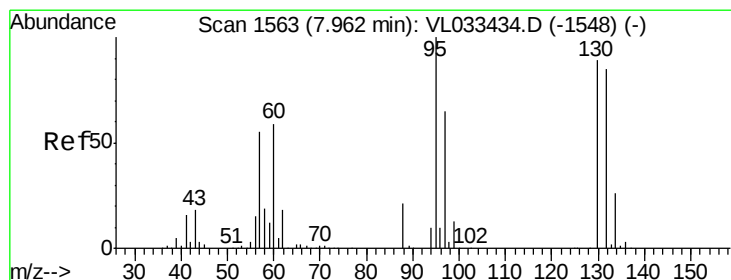
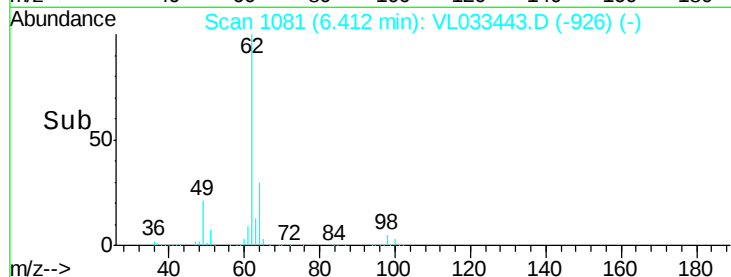
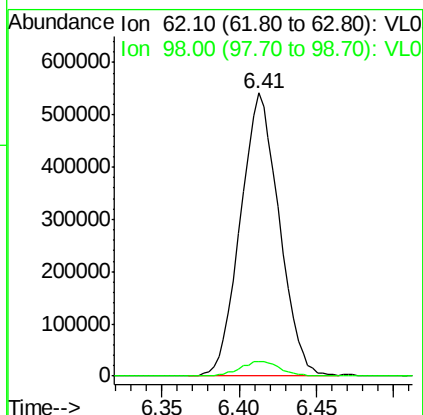
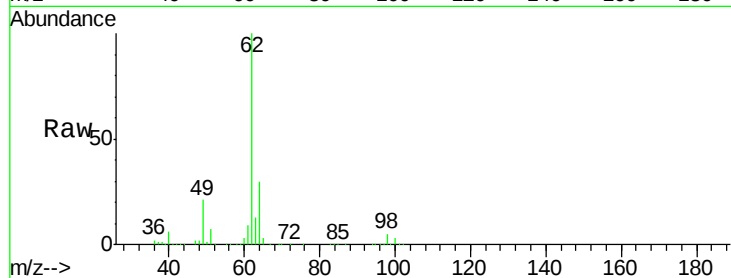




#37
 1,2-Dichloroethane
 Concen: 9.320 ppbv
 RT: 6.41 min Scan# 1081
 Delta R.T. -0.00 min
 Lab File: VL033443.D
 Acq: 25 Mar 2019 19:34

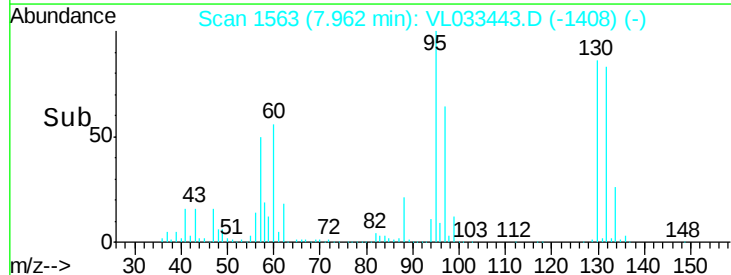
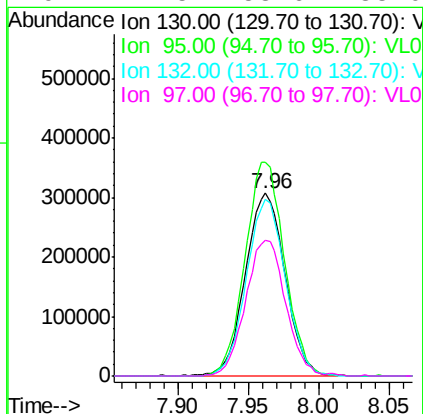
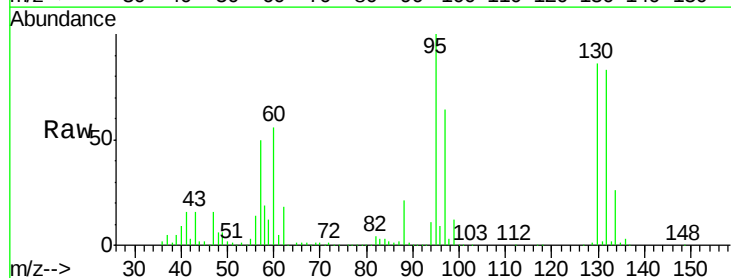
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0325ABS01

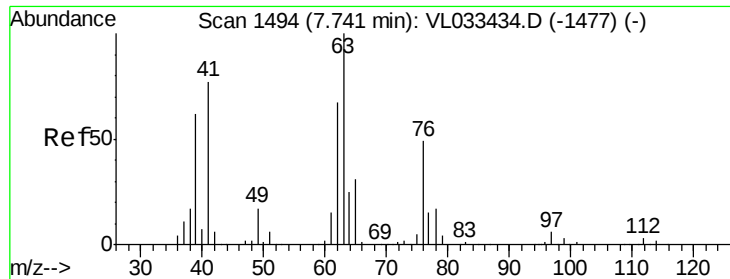
Tgt Ion: 62 Resp: 945656
 Ion Ratio Lower Upper
 62 100
 98 5.4 4.4 6.6



#38
 Trichloroethene
 Concen: 10.503 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VL033443.D
 Acq: 25 Mar 2019 19:34

Tgt Ion: 130 Resp: 598375
 Ion Ratio Lower Upper
 130 100
 95 117.3 89.8 134.8
 132 97.2 76.6 115.0
 97 74.5 58.6 88.0





#39

1,2-Dichloropropane

Concen: 9.653 ppbv

RT: 7.74 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

MSVOA_L

ClientSampleId :

VL0325ABS01

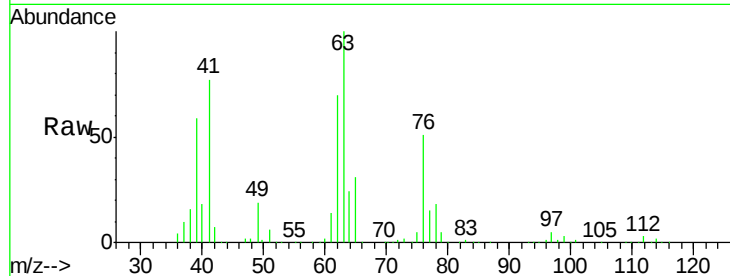
Tgt Ion: 63 Resp: 572451

Ion Ratio Lower Upper

63 100

41 76.9 61.2 91.8

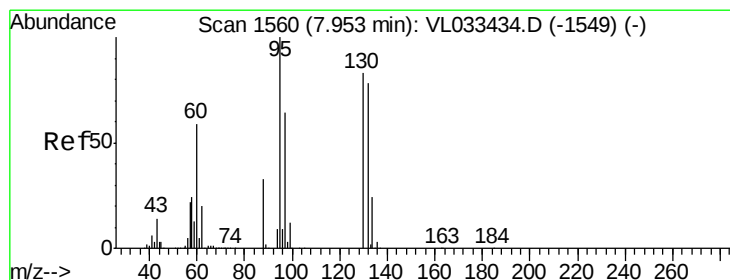
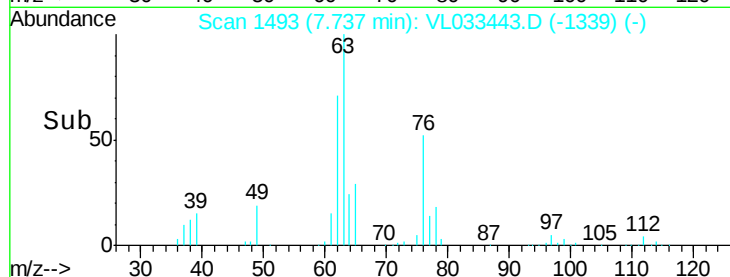
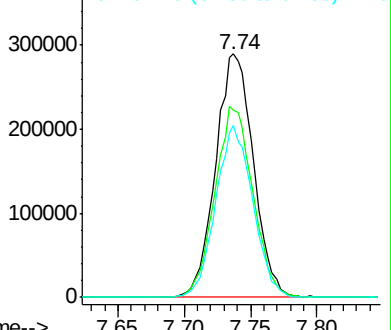
62 70.4 54.0 81.0



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: 8.989 ppbv

RT: 7.96 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Tgt Ion: 88 Resp: 190132

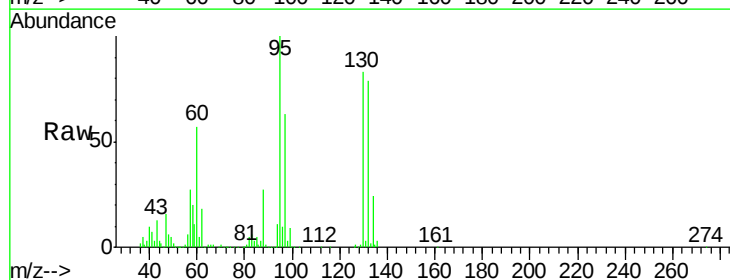
Ion Ratio Lower Upper

88 100

58 140.7 105.6 158.4

43 298.1 216.7 325.1

57 1339.3 975.0 1462.4

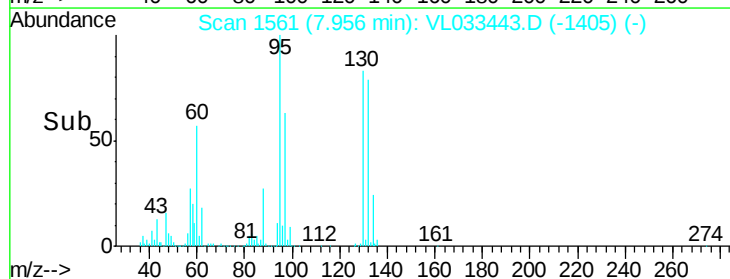
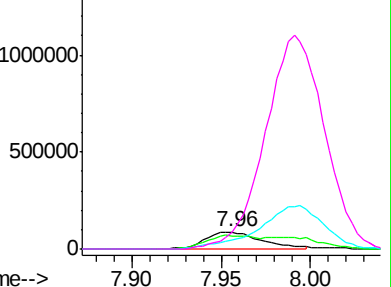


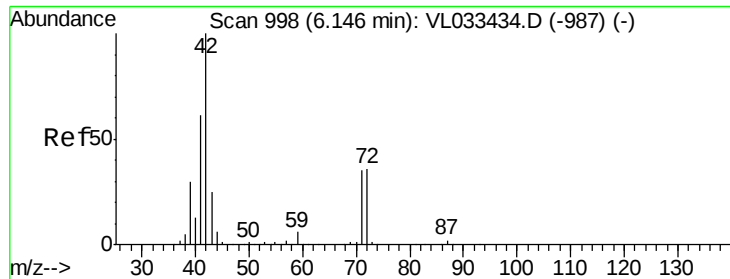
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 9.899 ppbv

RT: 6.15 min Scan# 998

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

MSVOA_L

ClientSampleId :

VL0325ABS01

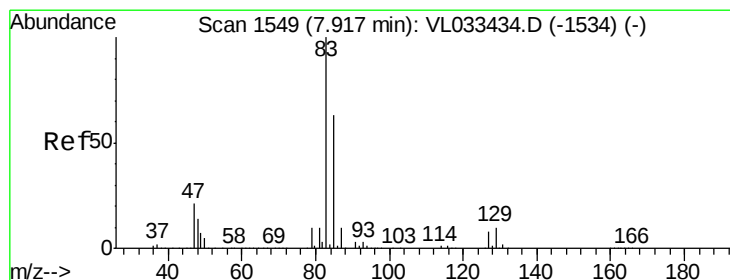
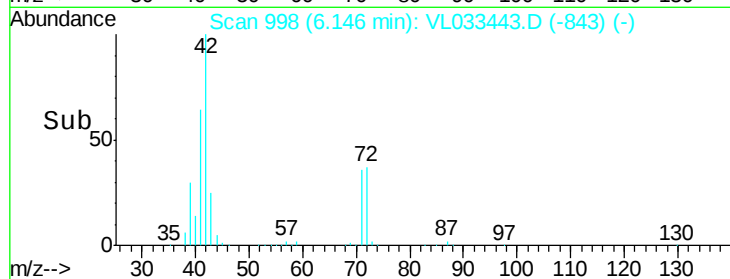
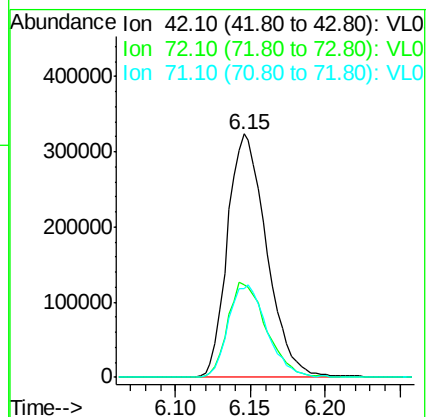
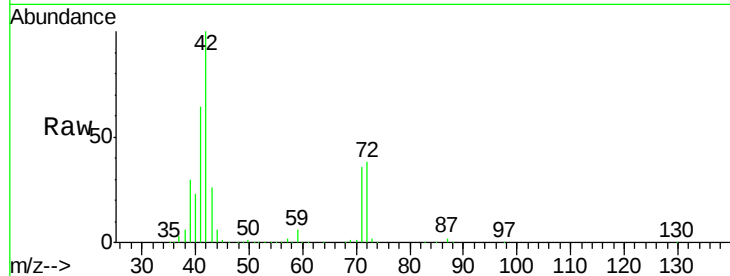
Tgt Ion: 42 Resp: 590180

Ion Ratio Lower Upper

42 100

72 38.6 30.2 45.2

71 37.5 29.4 44.2



#42

Bromodichloromethane

Concen: 9.838 ppbv

RT: 7.92 min Scan# 1549

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

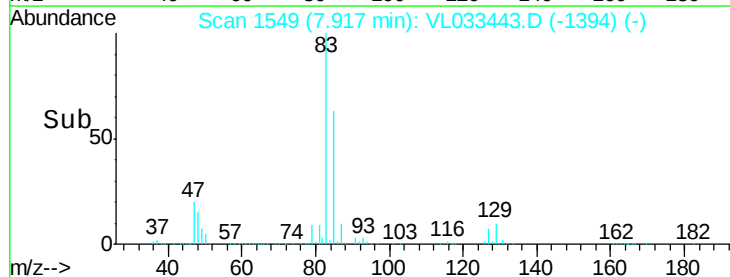
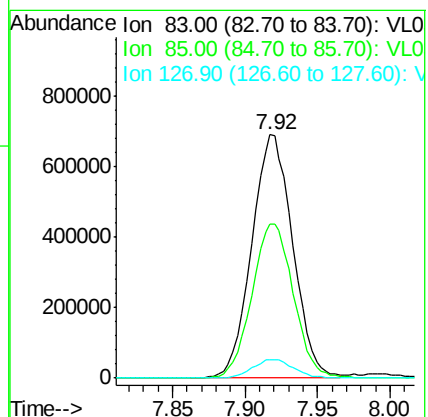
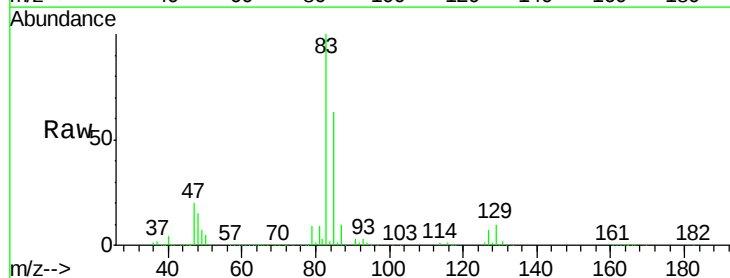
Tgt Ion: 83 Resp: 1359638

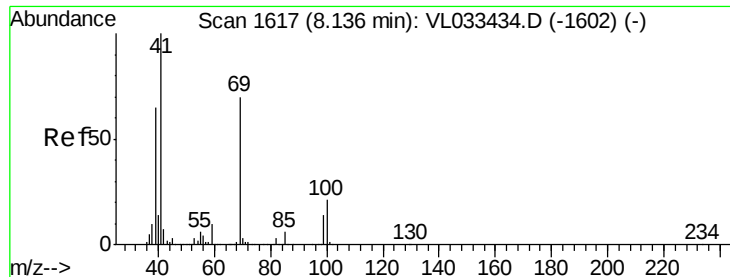
Ion Ratio Lower Upper

83 100

85 63.1 50.7 76.1

127 7.3 6.6 9.8

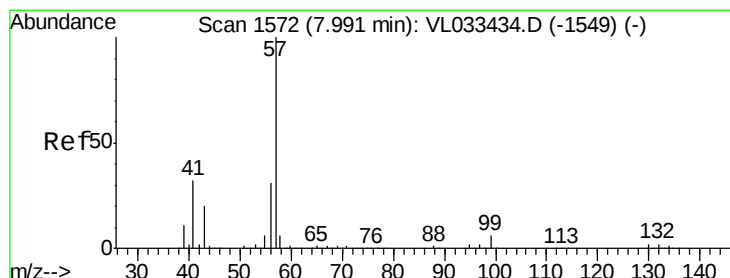
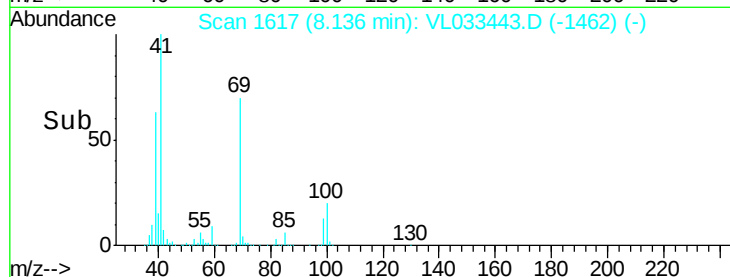
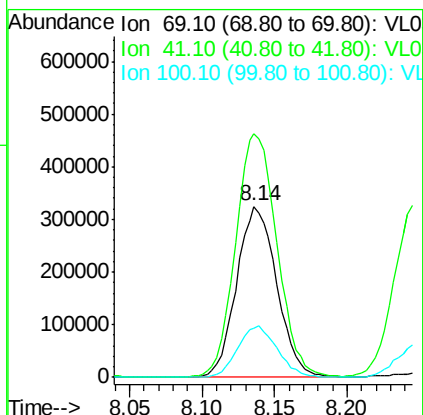
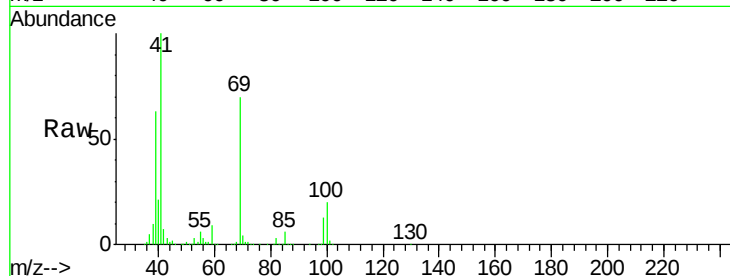




#43
Methyl Methacrylate
Concen: 10.119 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VL033443.D
Acq: 25 Mar 2019 19:34

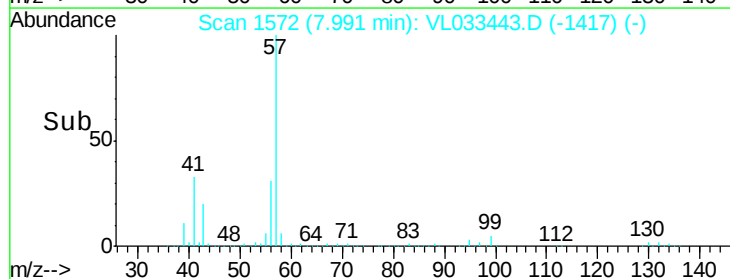
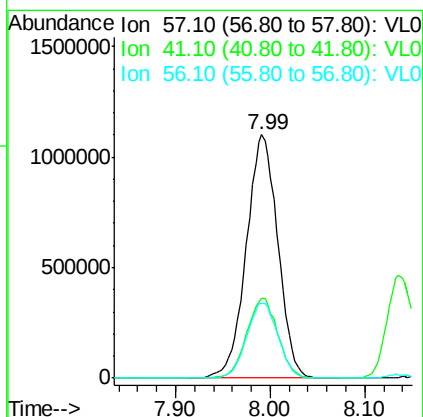
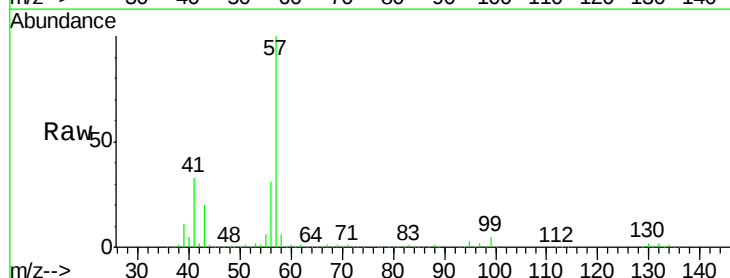
Instrument :
MSVOA_L
ClientSampleId :
VL0325ABS01

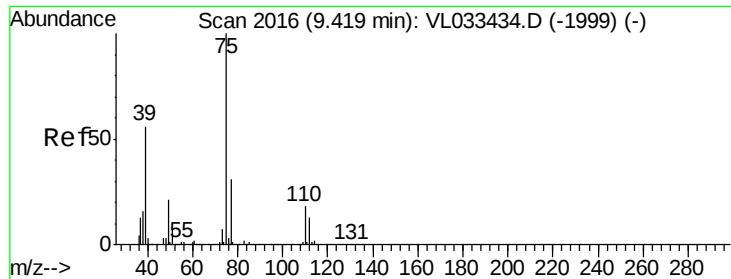
Tgt Ion: 69 Resp: 622013
Ion Ratio Lower Upper
69 100
41 147.3 116.6 174.8
100 29.9 24.4 36.6



#44
2,2,4-Trimethylpentane
Concen: 9.617 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033443.D
Acq: 25 Mar 2019 19:34

Tgt Ion: 57 Resp: 2544075
Ion Ratio Lower Upper
57 100
41 32.6 26.0 39.0
56 30.8 24.6 37.0





#45

t-1,3-Dichloropropene

Concen: 11.200 ppbv

RT: 9.42 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

MSVOA_L

ClientSampleId :

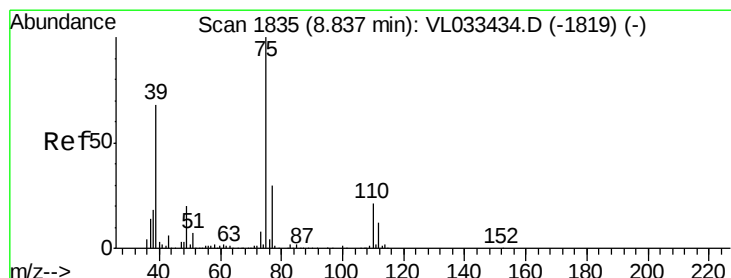
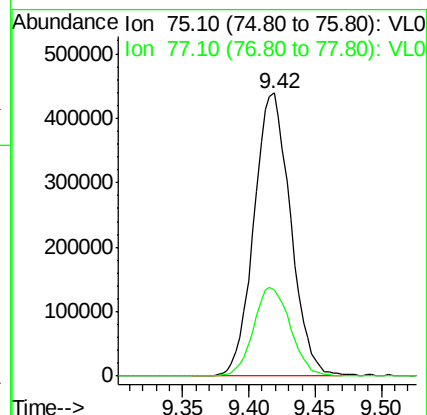
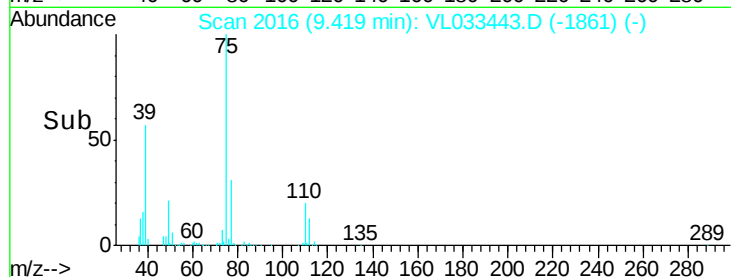
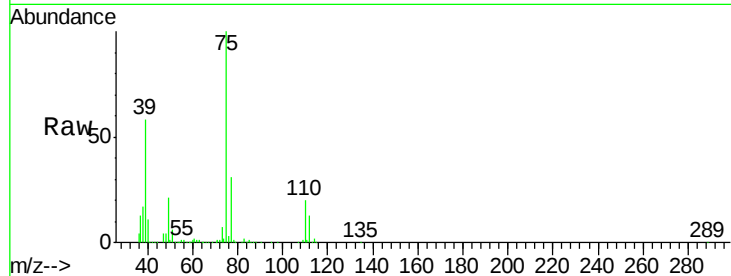
VL0325ABS01

Tgt Ion: 75 Resp: 845252

Ion Ratio Lower Upper

75 100

77 30.6 24.5 36.7



#46

cis-1,3-Dichloropropene

Concen: 10.800 ppbv

RT: 8.84 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

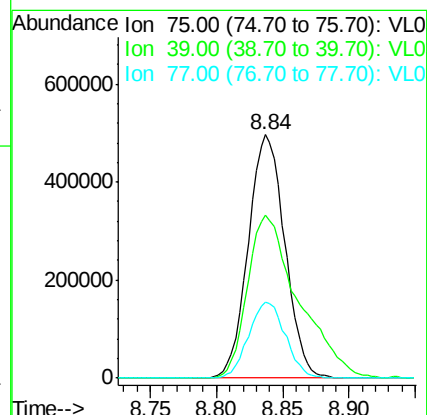
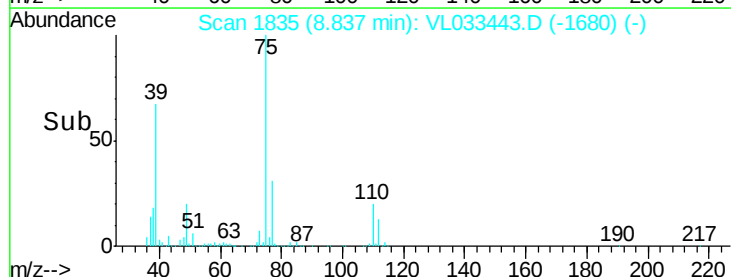
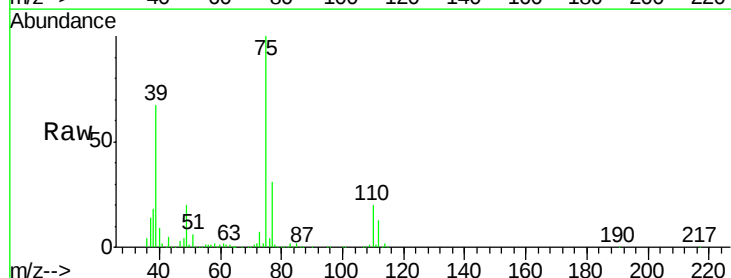
Tgt Ion: 75 Resp: 951854

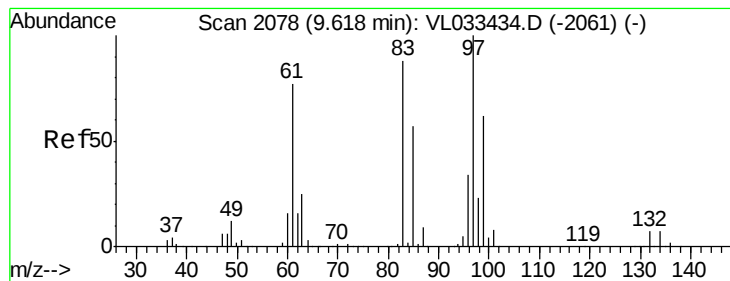
Ion Ratio Lower Upper

75 100

39 66.9 54.1 81.1

77 31.2 23.9 35.9





#47

1,1,2-Trichloroethane

Concen: 9.593 ppbv

RT: 9.61 min Scan# 2077

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

MSVOA_L

ClientSampleId :

VL0325ABS01

Tgt Ion: 97 Resp: 645999

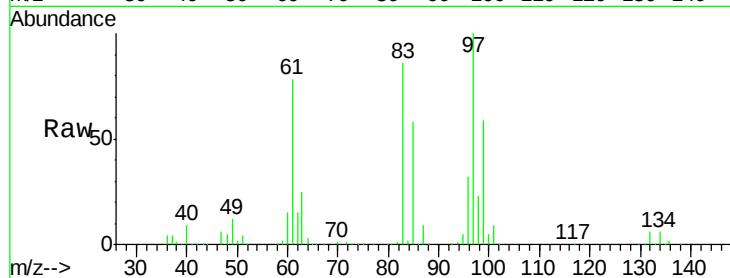
Ion Ratio Lower Upper

97 100

83 85.8 70.5 105.7

85 58.2 45.6 68.4

99 59.2 49.4 74.0

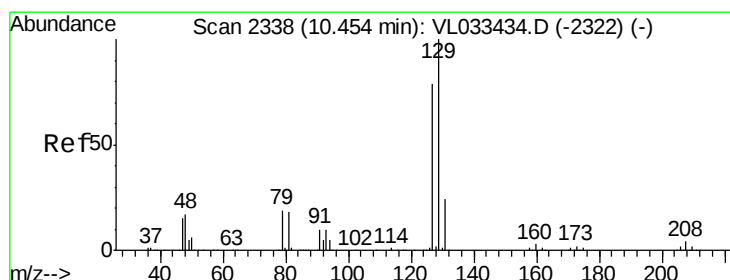
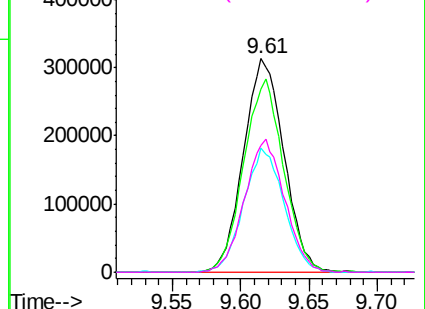
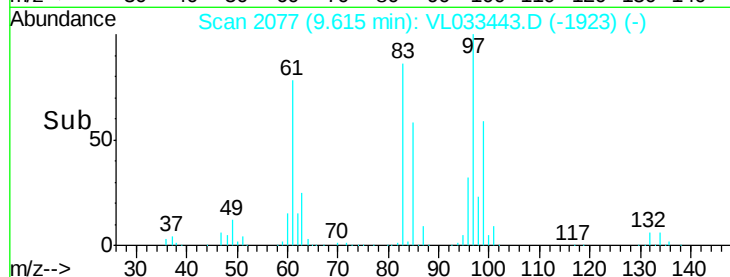


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.393 ppbv

RT: 10.45 min Scan# 2338

Delta R.T. -0.00 min

Lab File: VL033443.D

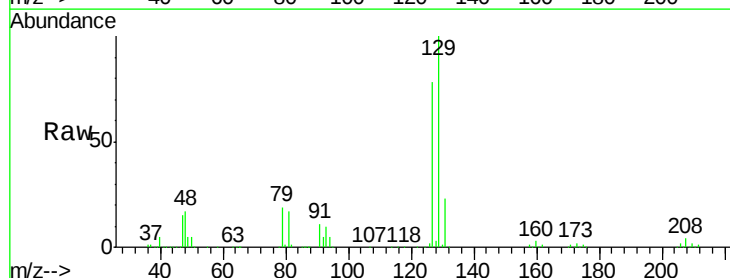
Acq: 25 Mar 2019 19:34

Tgt Ion: 129 Resp: 1180461

Ion Ratio Lower Upper

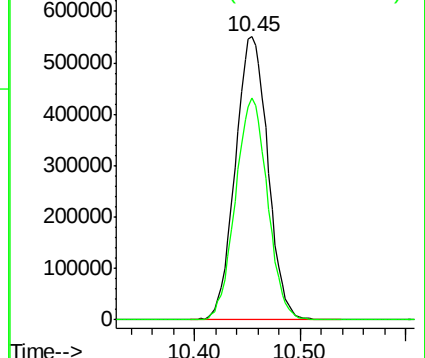
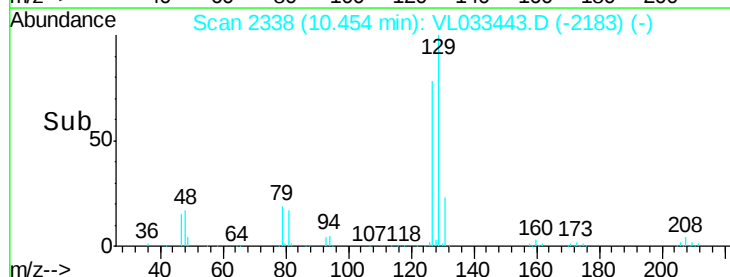
129 100

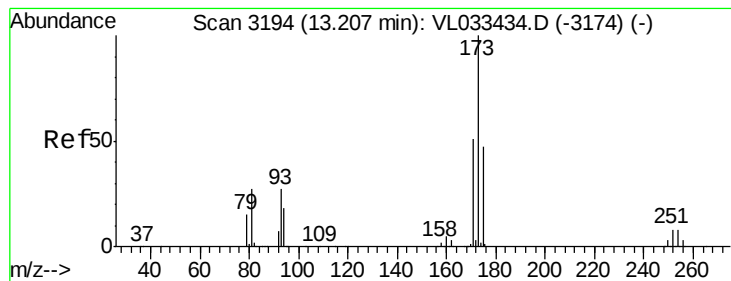
127 77.1 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.911 ppbv

RT: 13.21 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

MSVOA_L

ClientSampleId :

VL0325ABS01

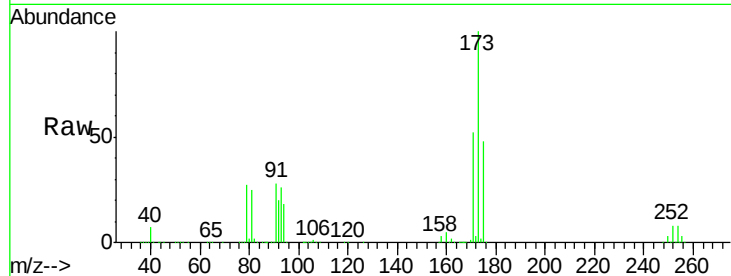
Tgt Ion:173 Resp: 1075411

Ion Ratio Lower Upper

173 100

175 48.3 39.3 58.9

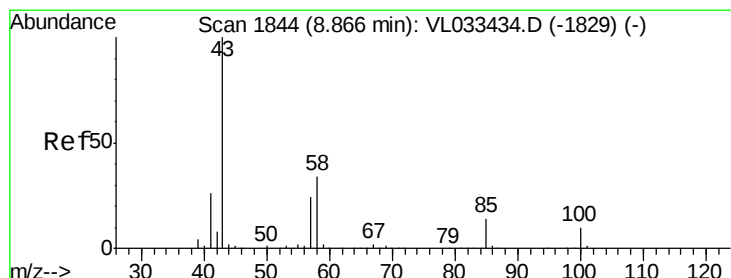
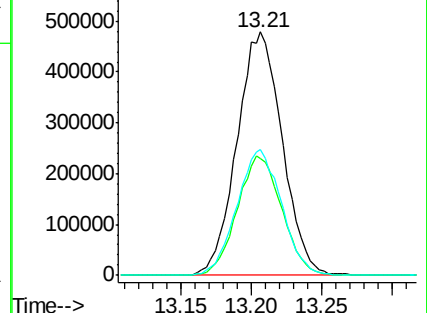
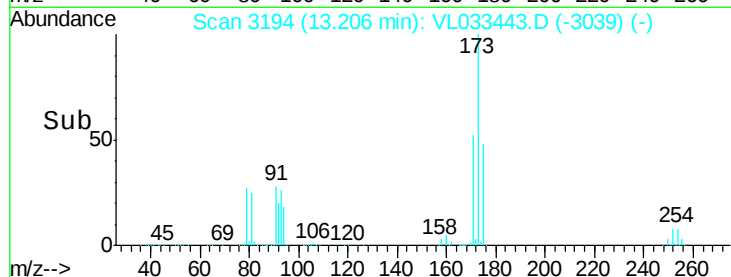
171 51.3 41.2 61.8



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: 9.871 ppbv

RT: 8.87 min Scan# 1846

Delta R.T. 0.01 min

Lab File: VL033443.D

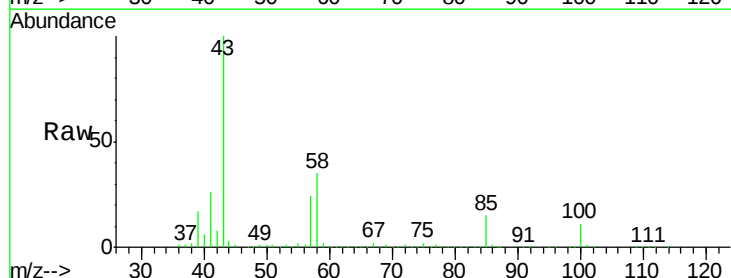
Acq: 25 Mar 2019 19:34

Tgt Ion: 43 Resp: 1566850

Ion Ratio Lower Upper

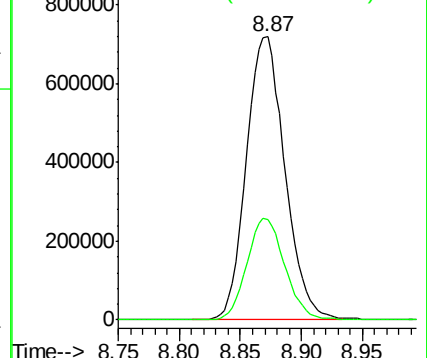
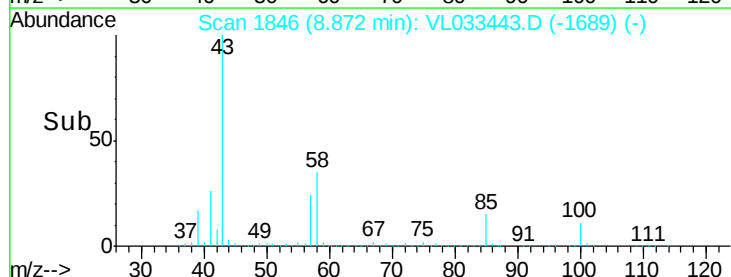
43 100

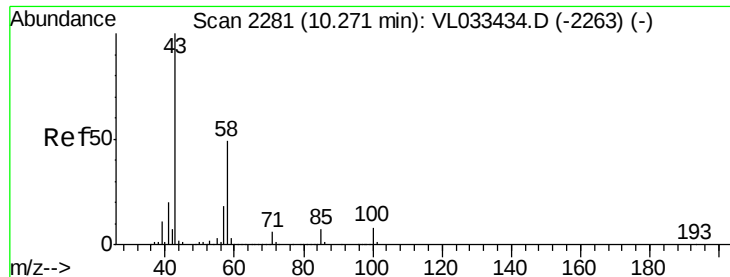
58 35.3 28.0 42.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.439 ppbv

RT: 10.27 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

MSVOA_L

ClientSampleId :

VL0325ABS01

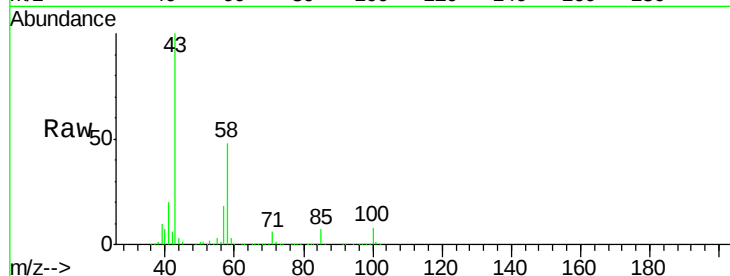
Tgt Ion: 43 Resp: 1235998

Ion Ratio Lower Upper

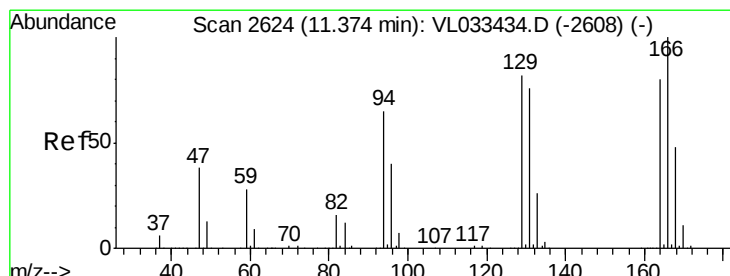
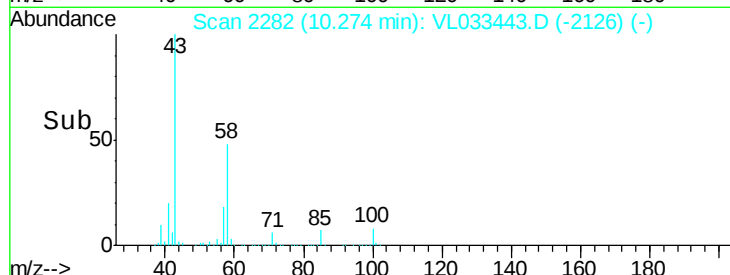
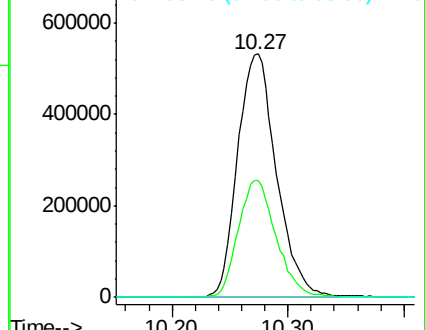
43 100

58 47.2 38.2 57.2

98 0.4 0.2 0.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.234 ppbv

RT: 11.38 min Scan# 2625

Delta R.T. 0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Tgt Ion: 164 Resp: 584539

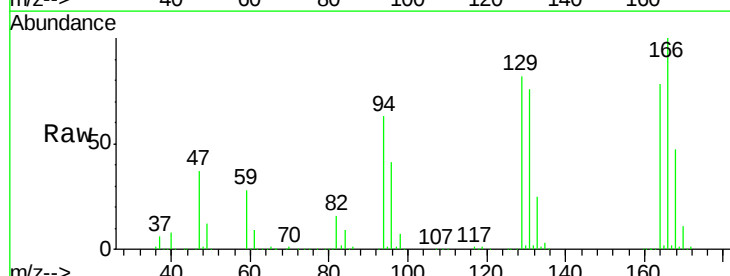
Ion Ratio Lower Upper

164 100

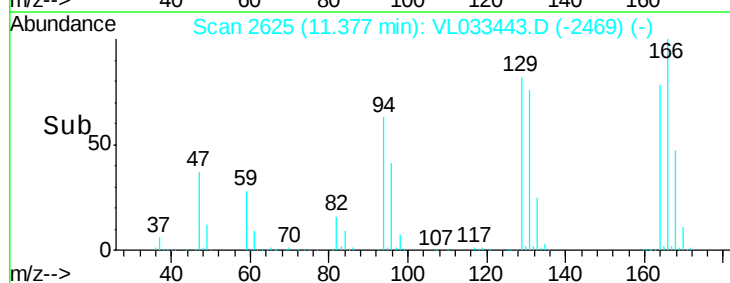
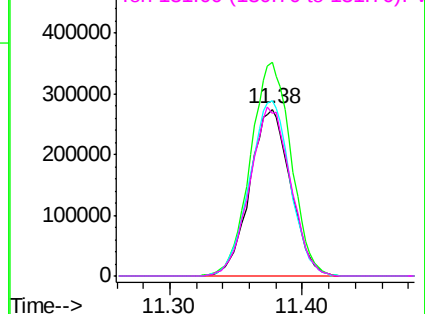
166 127.9 99.5 149.3

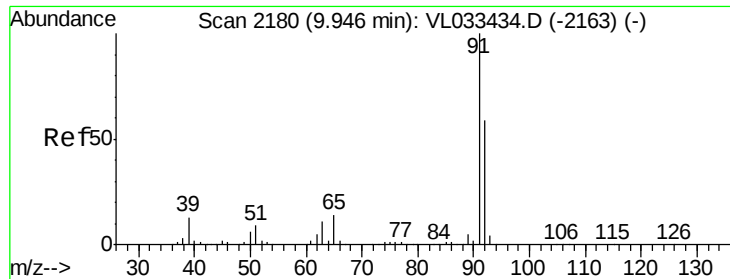
129 105.1 81.4 122.2

131 97.4 75.6 113.4



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.252 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. 0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

MSVOA_L

ClientSampleId :

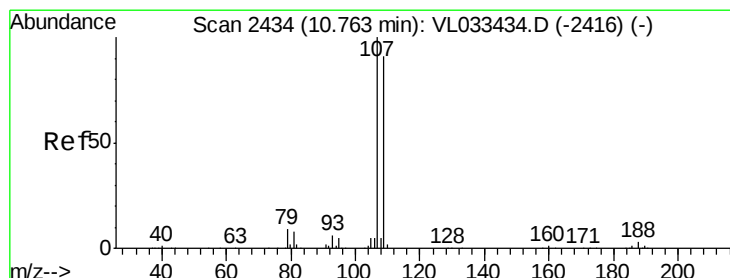
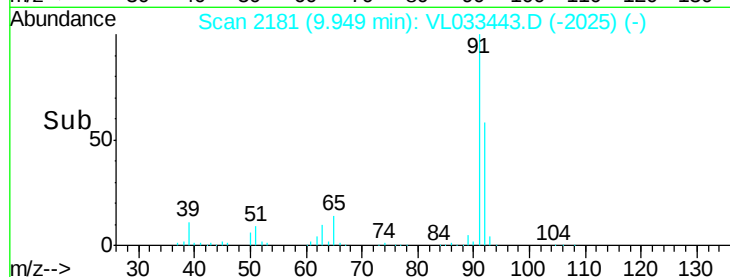
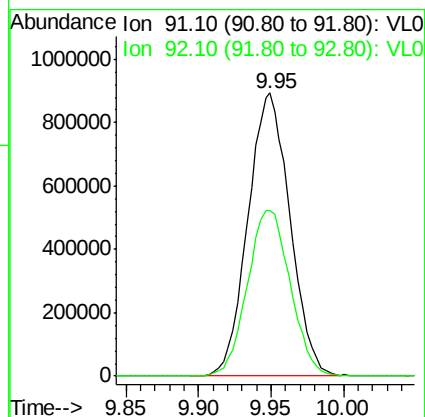
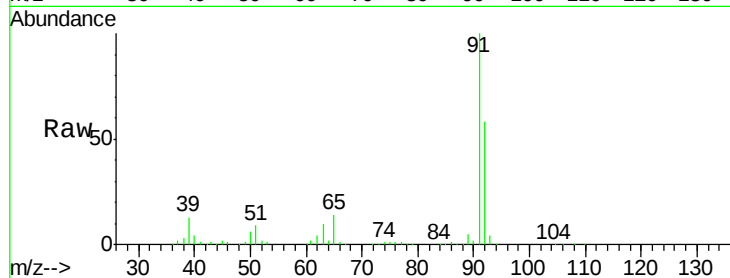
VL0325ABS01

Tgt Ion: 91 Resp: 1803474

Ion Ratio Lower Upper

91 100

92 59.9 47.4 71.0



#54

1,2-Dibromoethane

Concen: 9.827 ppbv

RT: 10.76 min Scan# 2434

Delta R.T. -0.00 min

Lab File: VL033443.D

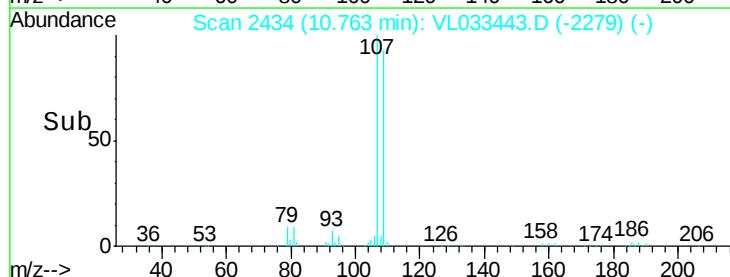
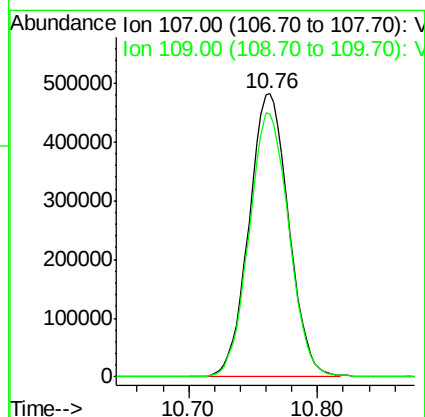
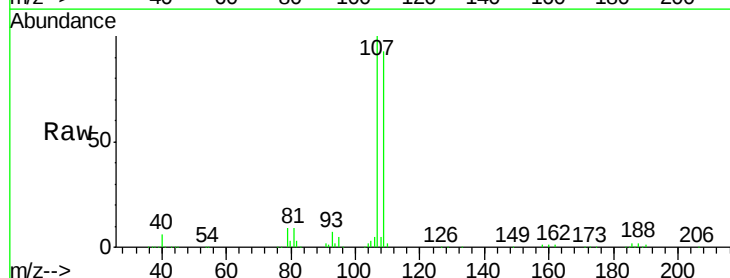
Acq: 25 Mar 2019 19:34

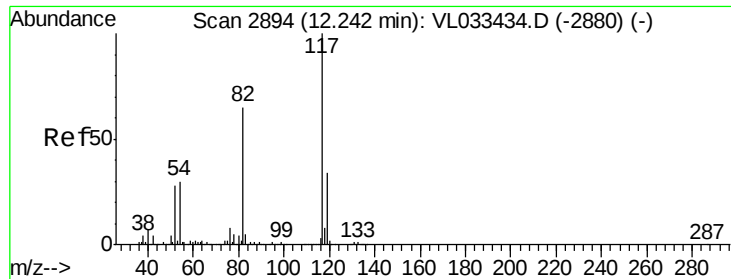
Tgt Ion: 107 Resp: 1035107

Ion Ratio Lower Upper

107 100

109 92.7 72.7 109.1

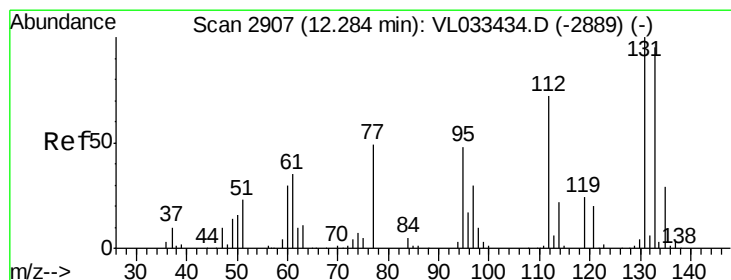
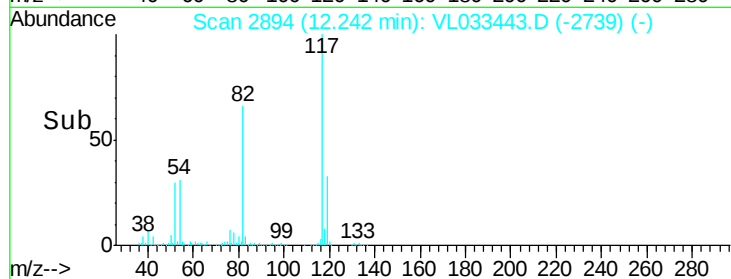
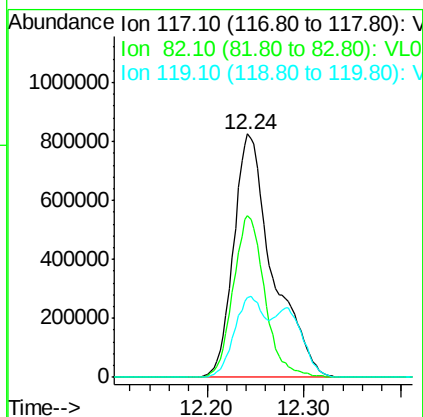
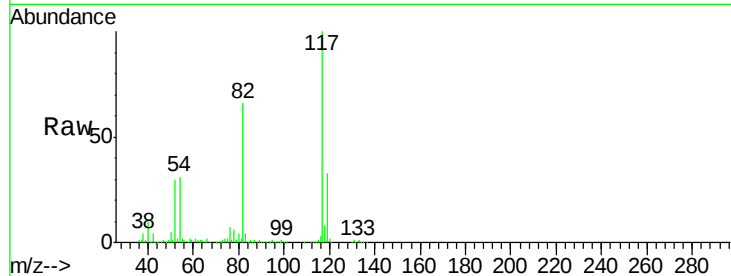




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033443.D
Acq: 25 Mar 2019 19:34

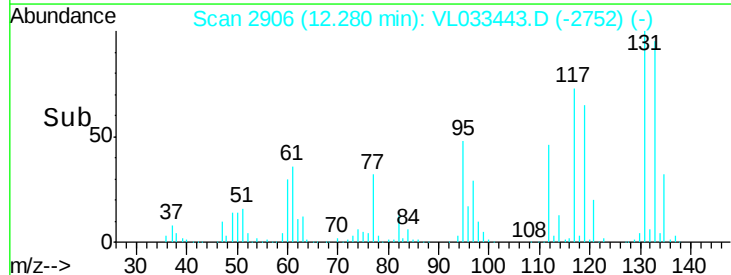
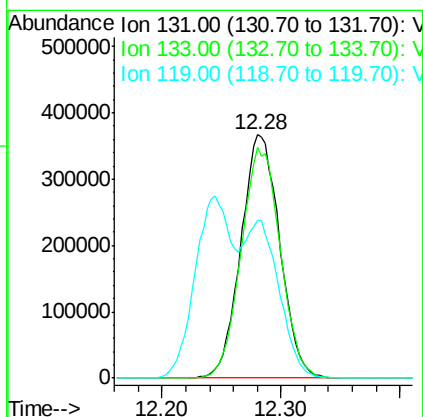
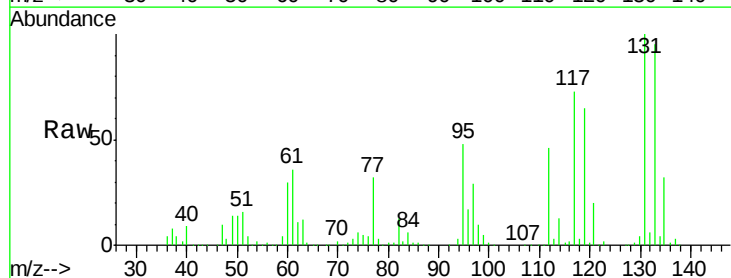
Instrument :
MSVOA_L
ClientSampleId :
VL0325ABS01

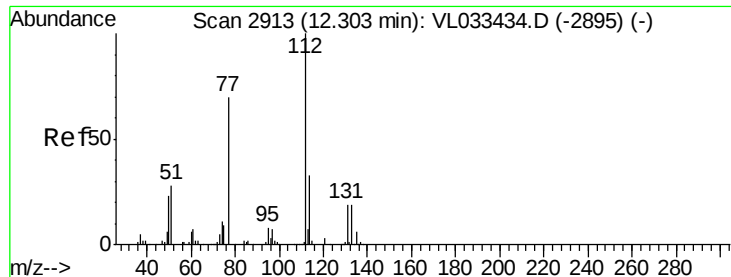
Tgt Ion:117 Resp: 2316280
Ion Ratio Lower Upper
117 100
82 53.9 51.5 77.3
119 47.3 25.5 38.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.803 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL033443.D
Acq: 25 Mar 2019 19:34

Tgt Ion:131 Resp: 828361
Ion Ratio Lower Upper
131 100
133 95.6 76.2 114.4
119 54.3 45.0 67.6

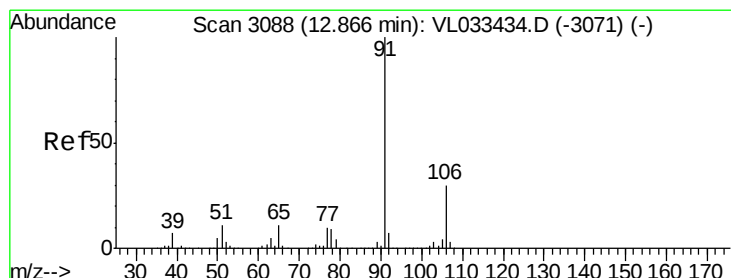
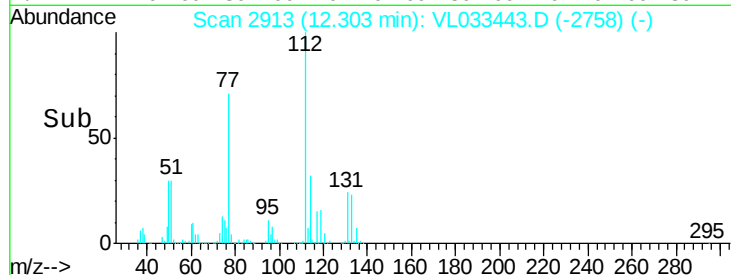
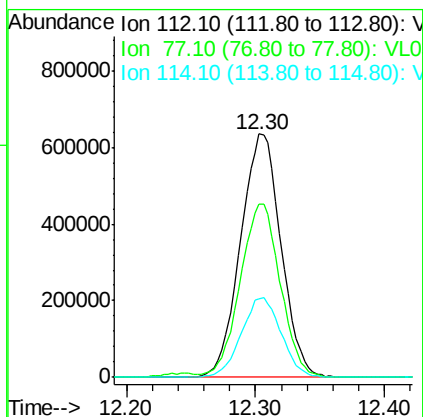
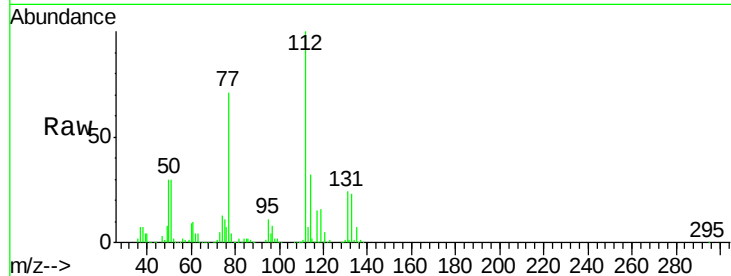




#57
Chlorobenzene
Concen: 7.719 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033443.D
Acq: 25 Mar 2019 19:34

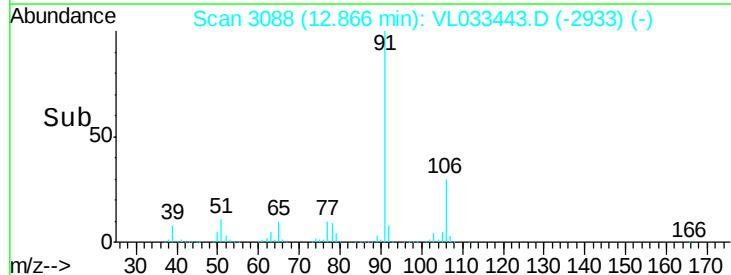
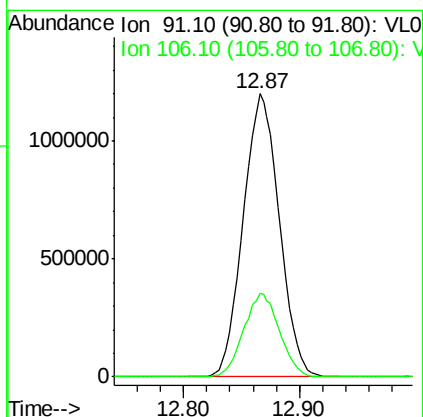
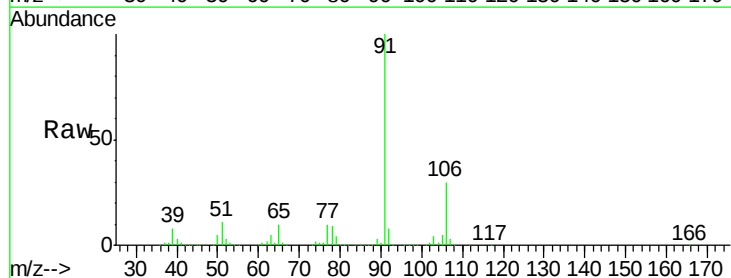
Instrument :
MSVOA_L
ClientSampleId :
VL0325ABS01

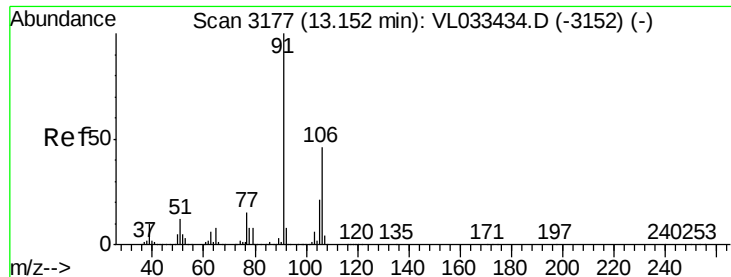
Tgt Ion: 112 Resp: 1388368
Ion Ratio Lower Upper
112 100
77 70.8 57.3 85.9
114 32.3 29.8 36.4



#58
Ethyl Benzene
Concen: 8.378 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL033443.D
Acq: 25 Mar 2019 19:34

Tgt Ion: 91 Resp: 2591566
Ion Ratio Lower Upper
91 100
106 29.5 23.8 35.6

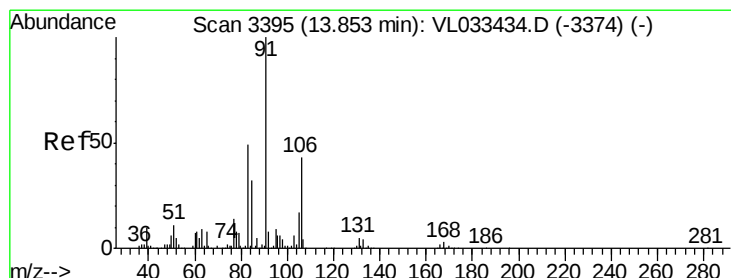
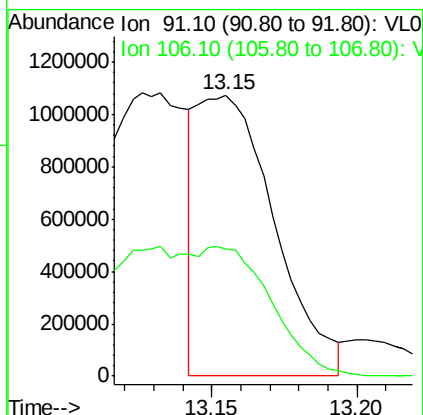
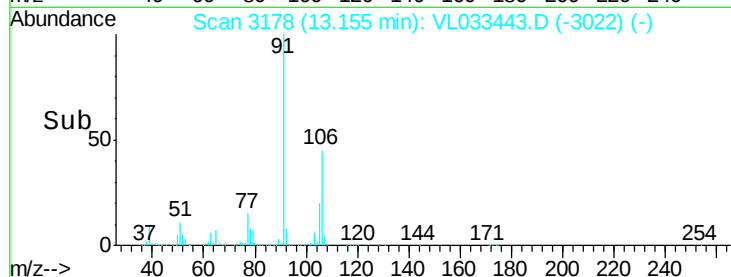
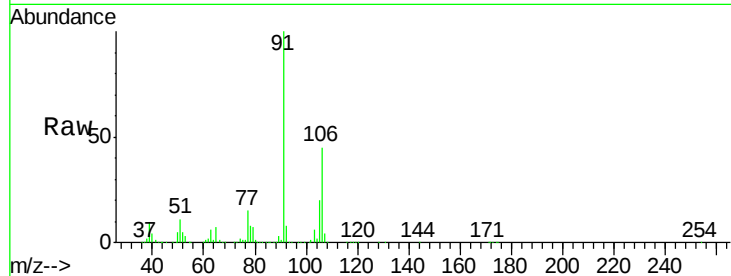




#59
m/p-Xylene
Concen: 7.164 ppbv
RT: 13.15 min Scan# 3178
Delta R.T. 0.00 min
Lab File: VL033443.D
Acq: 25 Mar 2019 19:34

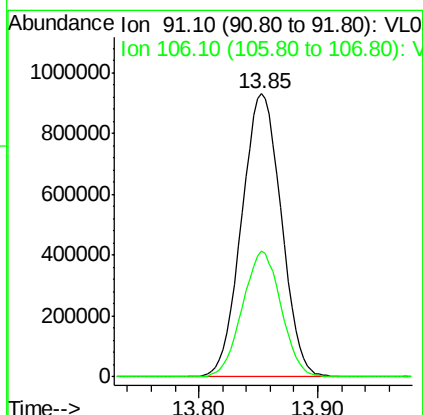
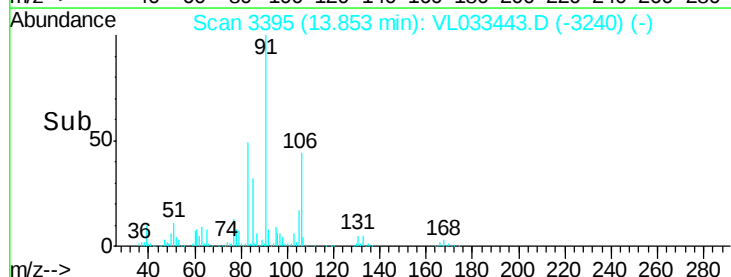
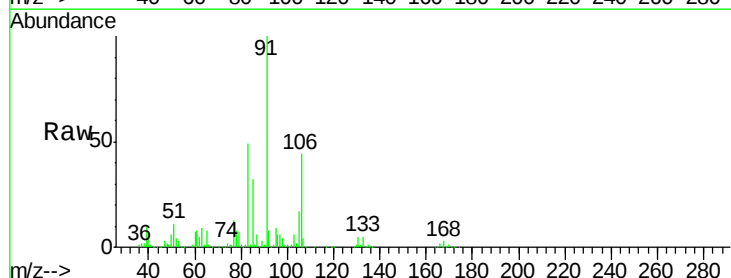
Instrument :
MSVOA_L
ClientSampleId :
VL0325ABS01

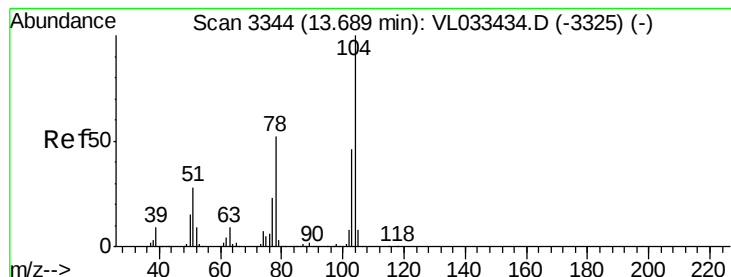
Tgt Ion: 91 Resp: 1979420
Ion Ratio Lower Upper
91 100
106 98.2 0.0 0.0#



#60
o-Xylene
Concen: 8.024 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033443.D
Acq: 25 Mar 2019 19:34

Tgt Ion: 91 Resp: 2143729
Ion Ratio Lower Upper
91 100
106 43.6 21.4 64.3





#61

Styrene

Concen: 8.732 ppbv

RT: 13.69 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

MSVOA_L

ClientSampleId :

VL0325ABS01

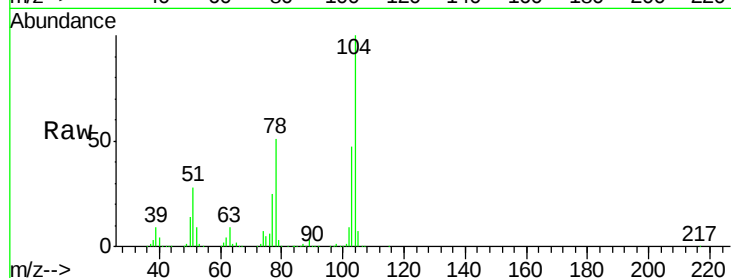
Tgt Ion:104 Resp: 1601175

Ion Ratio Lower Upper

104 100

78 54.1 43.2 64.8

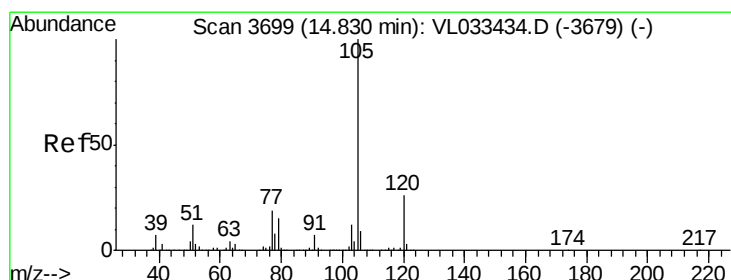
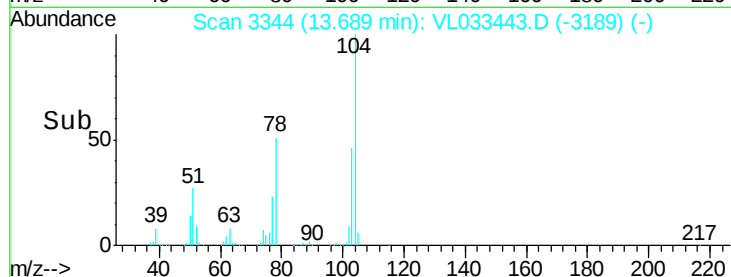
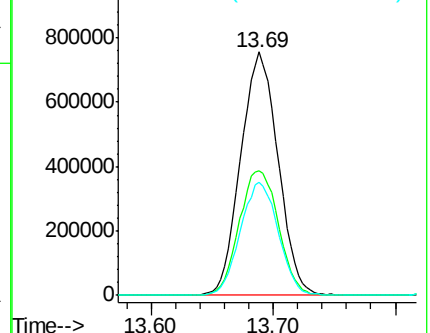
103 47.3 37.8 56.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.873 ppbv

RT: 14.83 min Scan# 3699

Delta R.T. -0.00 min

Lab File: VL033443.D

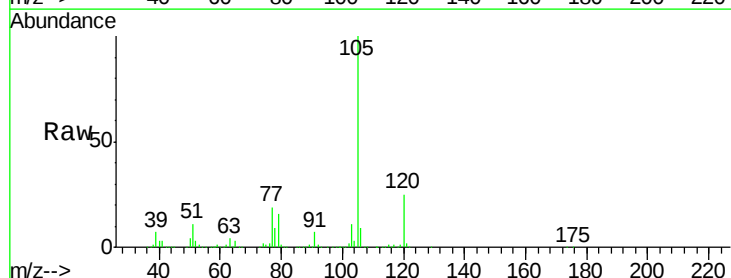
Acq: 25 Mar 2019 19:34

Tgt Ion:105 Resp: 2978789

Ion Ratio Lower Upper

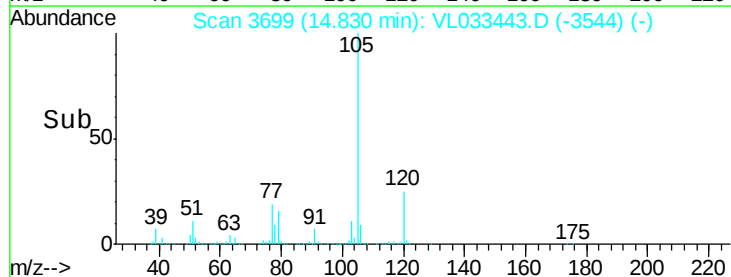
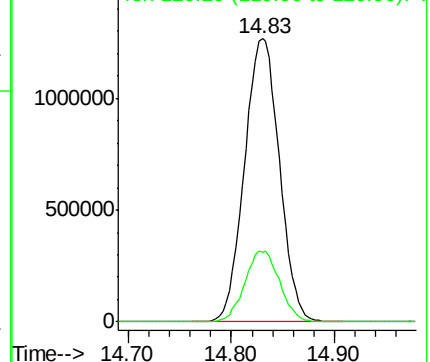
105 100

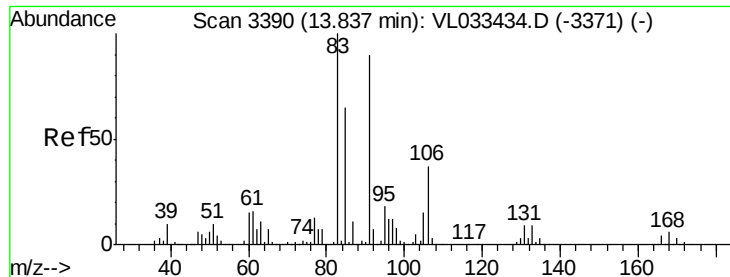
120 25.0 20.2 30.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

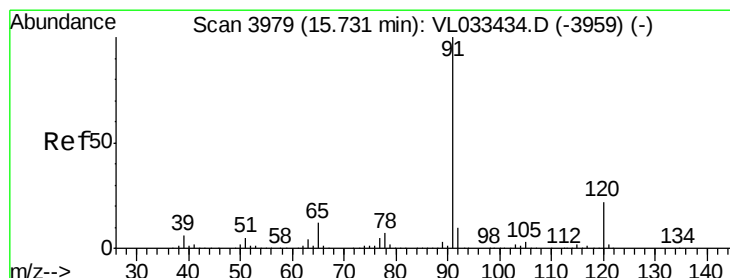
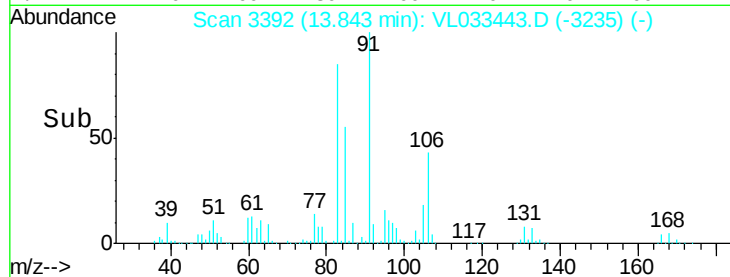
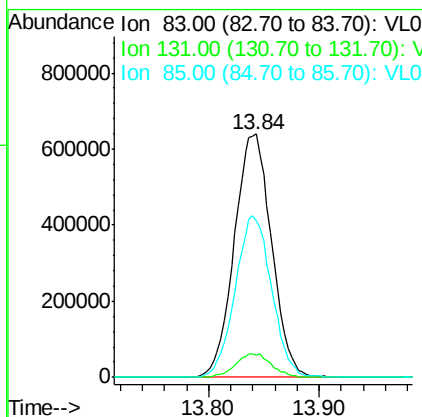
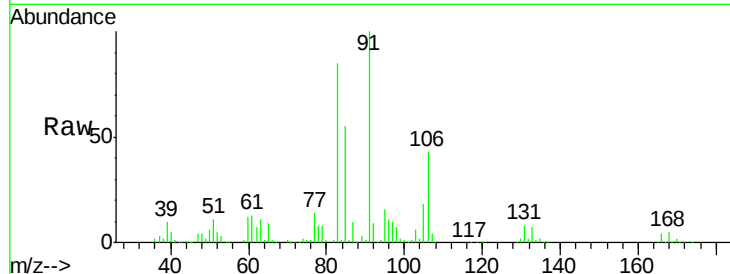




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.608 ppbv
 RT: 13.84 min Scan# 3392
 Delta R.T. 0.01 min
 Lab File: VL033443.D
 Acq: 25 Mar 2019 19:34

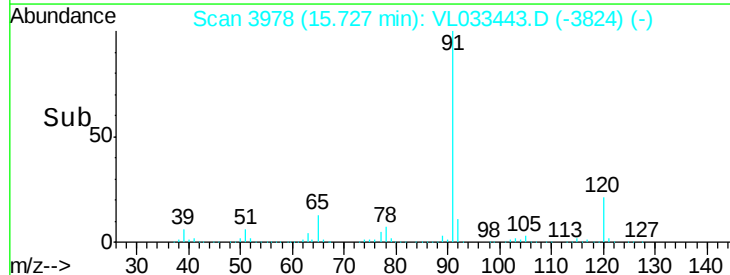
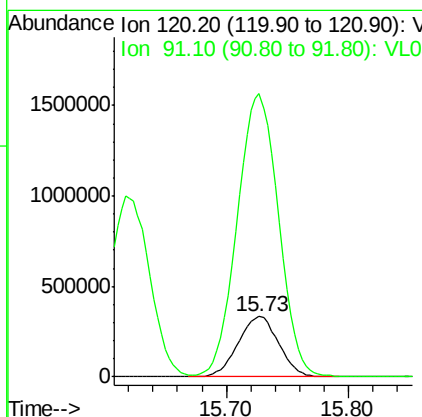
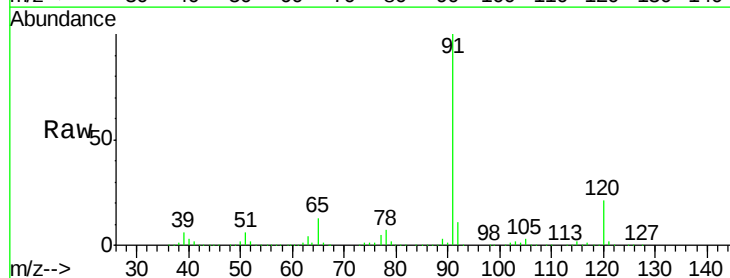
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0325ABS01

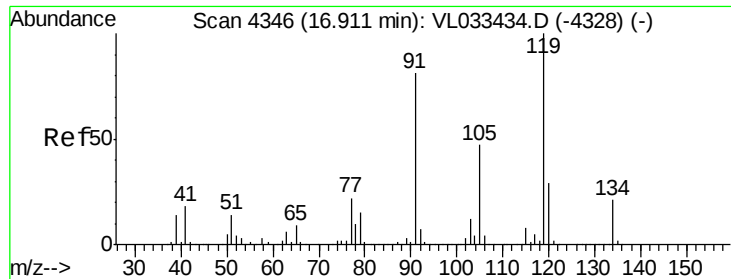
Tgt Ion: 83 Resp: 1496712
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.7 14.0
 85 65.3 32.7 98.1



#64
 n-propylbenzene
 Concen: 7.960 ppbv
 RT: 15.73 min Scan# 3978
 Delta R.T. -0.00 min
 Lab File: VL033443.D
 Acq: 25 Mar 2019 19:34

Tgt Ion: 120 Resp: 764181
 Ion Ratio Lower Upper
 120 100
 91 480.2 387.4 581.2

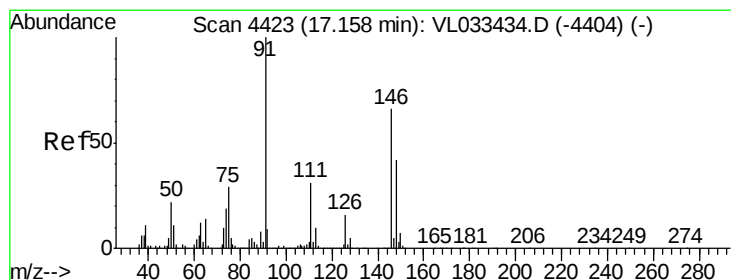
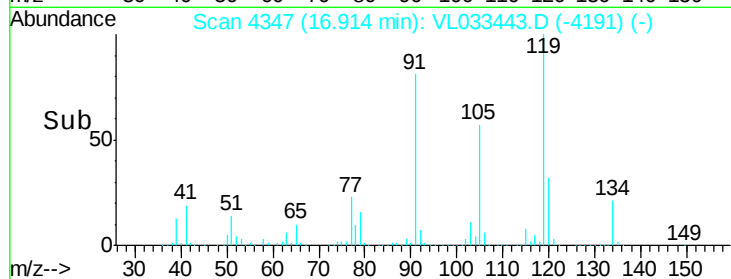
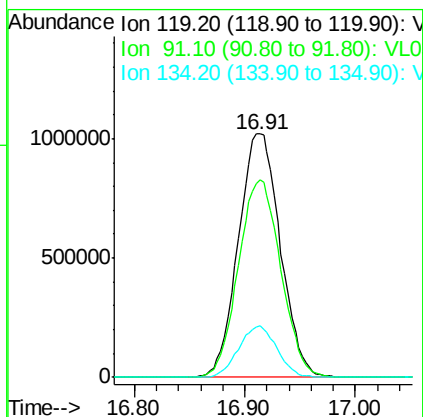
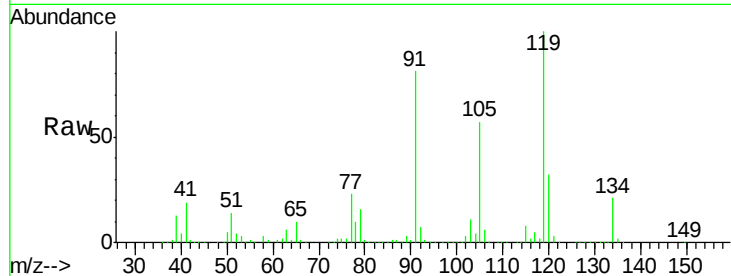




#65
 tert-Butylbenzene
 Concen: 8.039 ppbv
 RT: 16.91 min Scan# 4347
 Delta R.T. 0.00 min
 Lab File: VL033443.D
 Acq: 25 Mar 2019 19:34

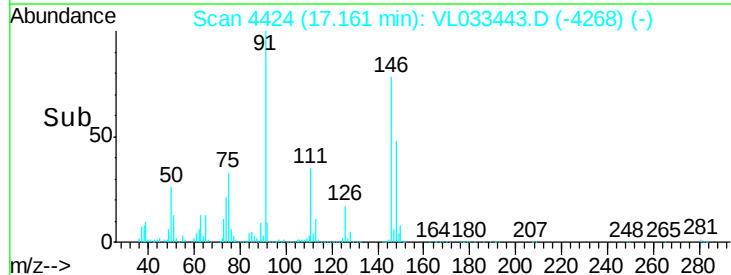
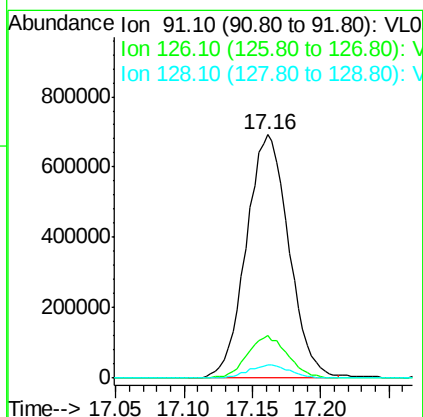
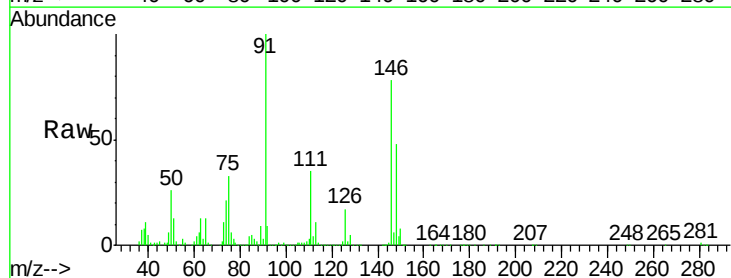
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0325ABS01

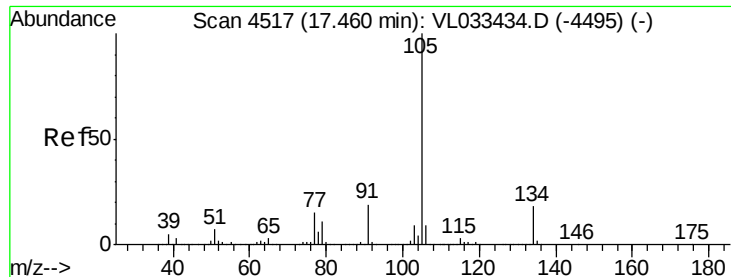
Tgt Ion: 119 Resp: 2680137
 Ion Ratio Lower Upper
 119 100
 91 82.2 66.4 99.6
 134 19.3 15.5 23.3



#66
 Benzyl Chloride
 Concen: 9.653 ppbv
 RT: 17.16 min Scan# 4424
 Delta R.T. 0.00 min
 Lab File: VL033443.D
 Acq: 25 Mar 2019 19:34

Tgt Ion: 91 Resp: 1496423
 Ion Ratio Lower Upper
 91 100
 126 16.6 13.0 19.6
 128 5.3 4.2 6.2

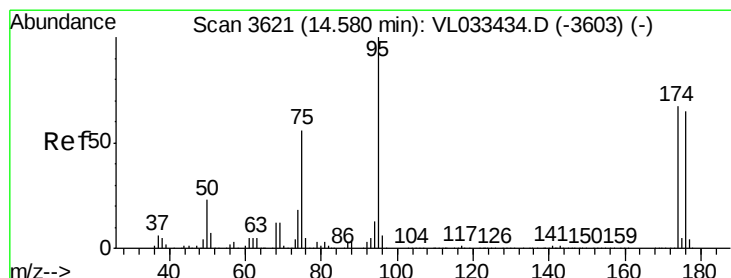
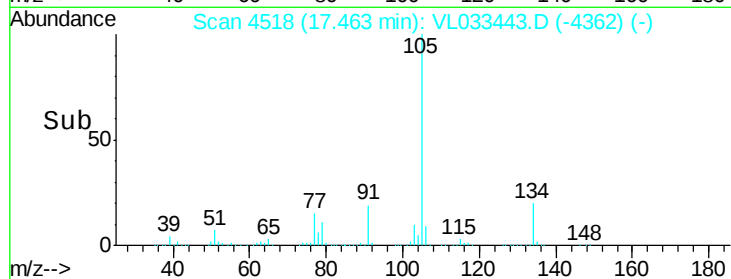
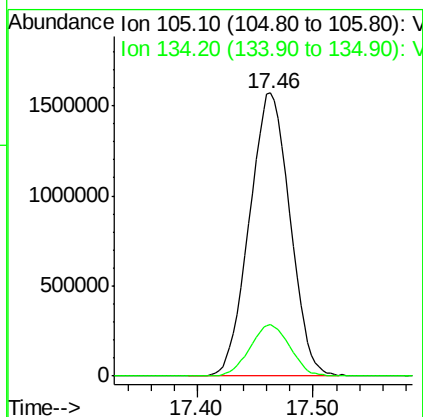
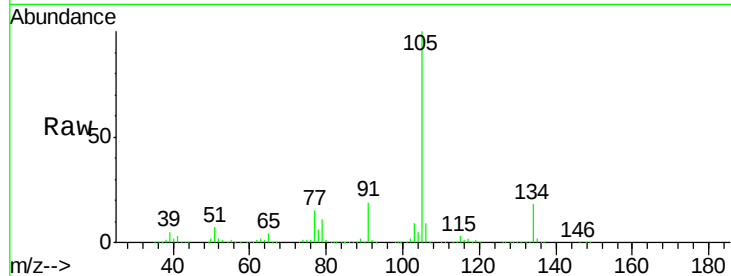




#67
 sec-Butylbenzene
 Concen: 8.061 ppbv
 RT: 17.46 min Scan# 4518
 Delta R.T. 0.00 min
 Lab File: VL033443.D
 Acq: 25 Mar 2019 19:34

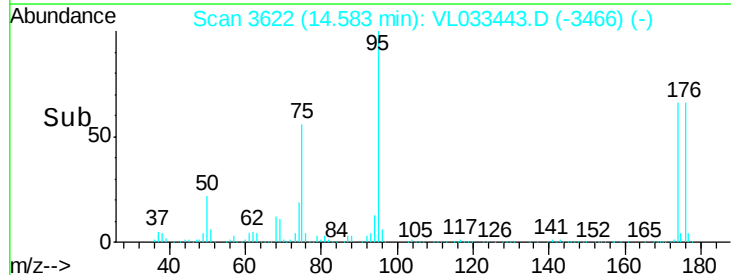
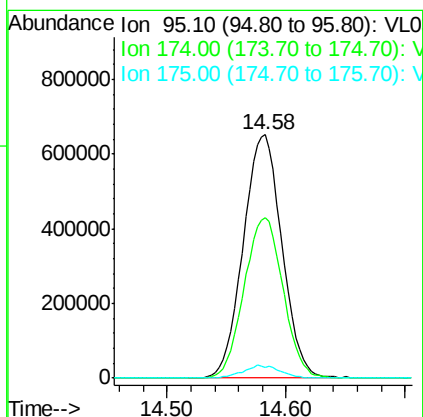
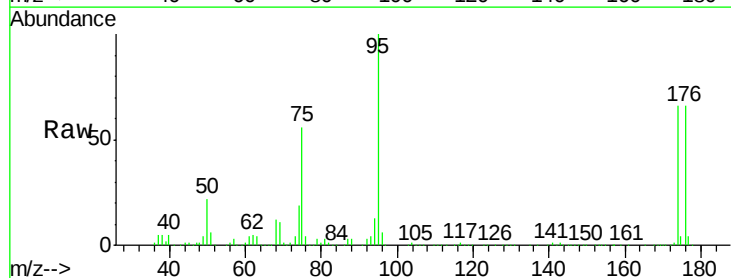
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0325ABS01

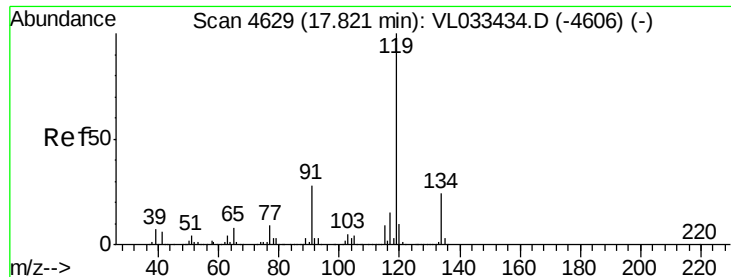
Tgt Ion: 105 Resp: 3821942
 Ion Ratio Lower Upper
 105 100
 134 17.9 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.053 ppbv
 RT: 14.58 min Scan# 3622
 Delta R.T. 0.00 min
 Lab File: VL033443.D
 Acq: 25 Mar 2019 19:34

Tgt Ion: 95 Resp: 1462364
 Ion Ratio Lower Upper
 95 100
 174 66.7 52.9 79.3
 175 5.0 3.8 5.6

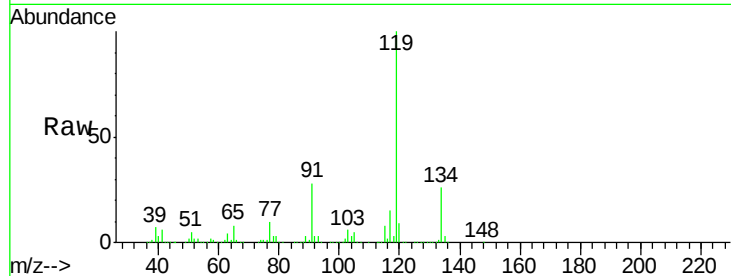




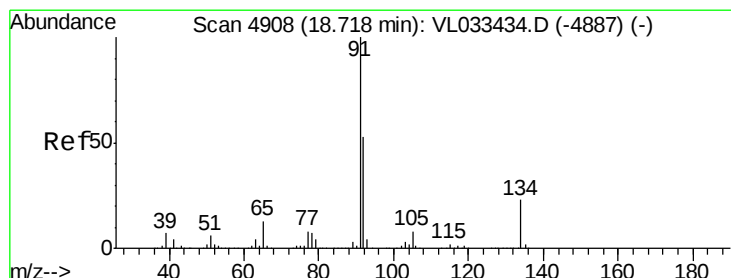
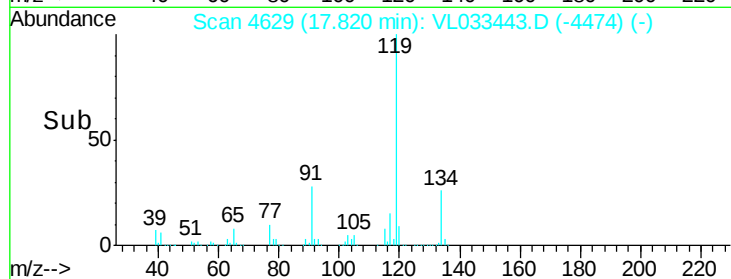
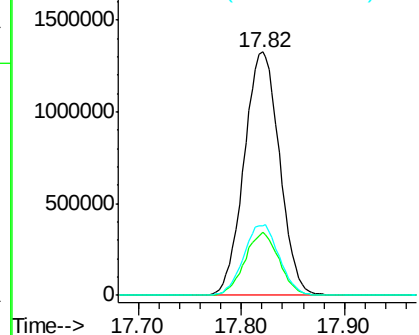
#69
p-Isopropyltoluene
Concen: 8.183 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. -0.00 min
Lab File: VL033443.D
Acq: 25 Mar 2019 19:34

Instrument :
MSVOA_L
ClientSampleId :
VL0325ABS01

Tgt Ion: 119 Resp: 3158926
Ion Ratio Lower Upper
119 100
134 25.0 19.9 29.9
91 29.2 23.4 35.0

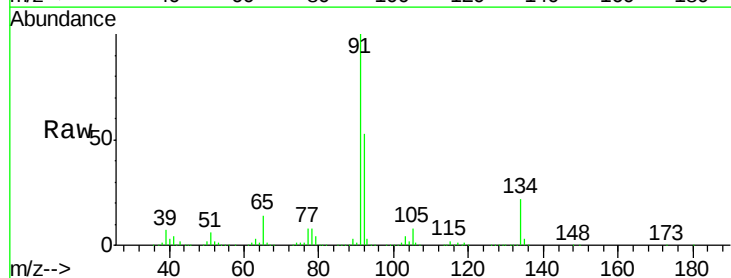


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

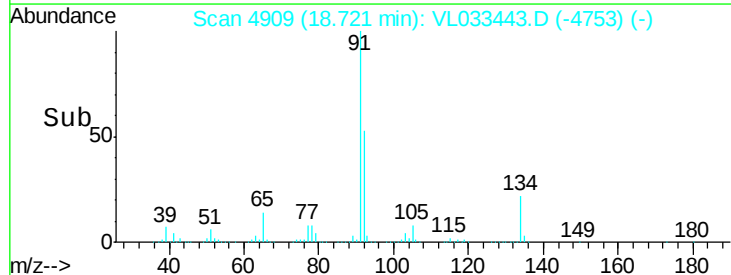
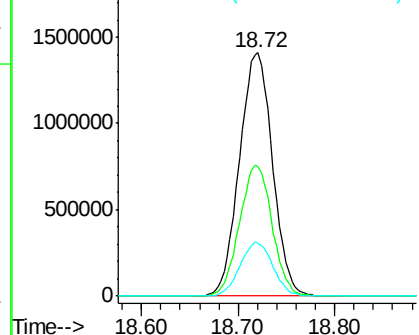


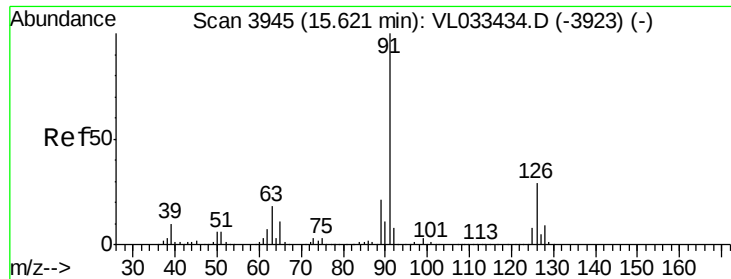
#70
n-Butylbenzene
Concen: 8.181 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. 0.00 min
Lab File: VL033443.D
Acq: 25 Mar 2019 19:34

Tgt Ion: 91 Resp: 3346025
Ion Ratio Lower Upper
91 100
92 53.2 42.6 64.0
134 21.9 17.5 26.3



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





#71

2-Chlorotoluene

Concen: 7.948 ppbv

RT: 15.62 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

MSVOA_L

ClientSampleId :

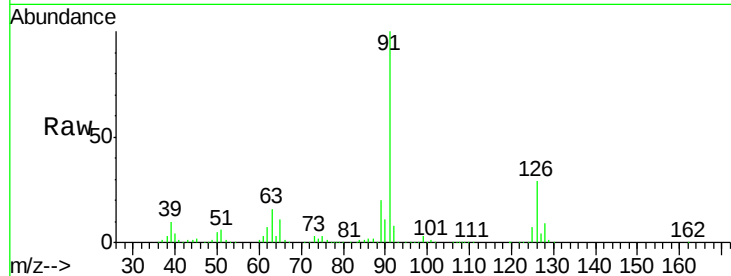
VL0325ABS01

Tgt Ion: 91 Resp: 2286478

Ion Ratio Lower Upper

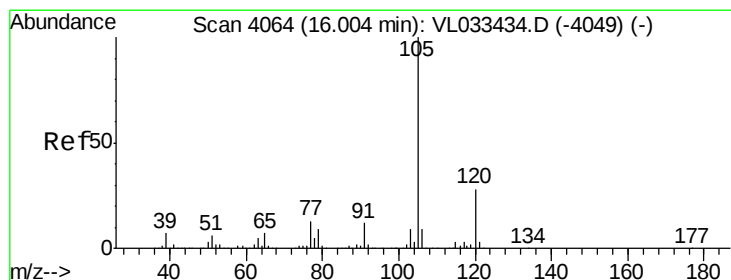
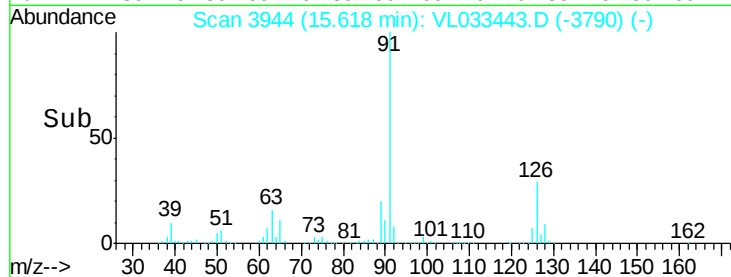
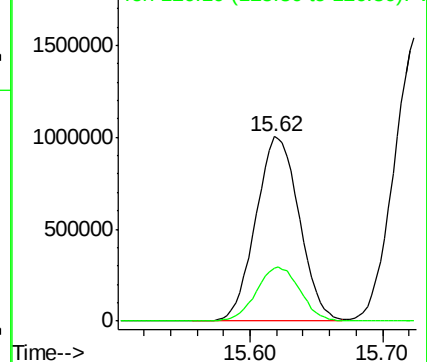
91 100

126 29.6 11.7 46.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.183 ppbv

RT: 16.01 min Scan# 4065

Delta R.T. 0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Tgt Ion: 105 Resp: 2457636

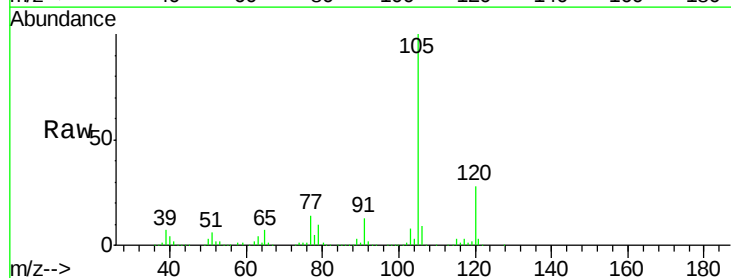
Ion Ratio Lower Upper

105 100

120 28.6 23.2 34.8

91 13.1 10.4 15.6

77 14.1 11.3 16.9

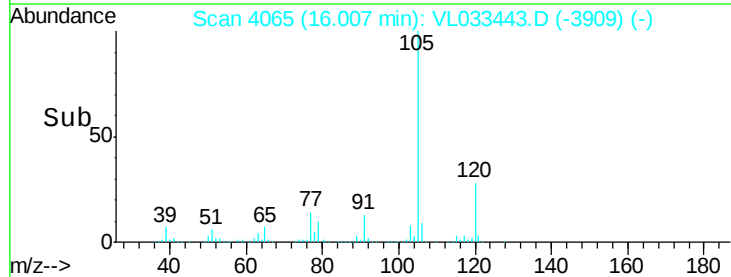
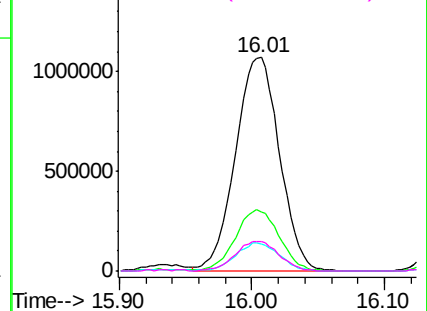


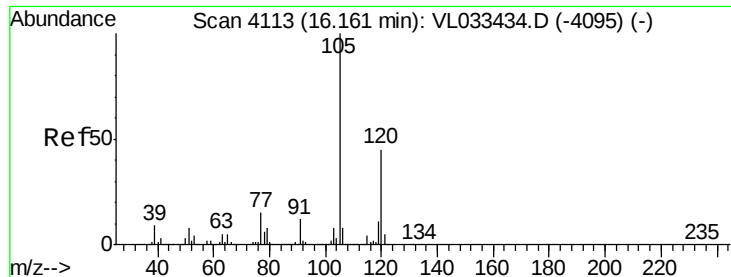
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 8.270 ppbv

RT: 16.16 min Scan# 4114

Delta R.T. 0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

MSVOA_L

ClientSampleId :

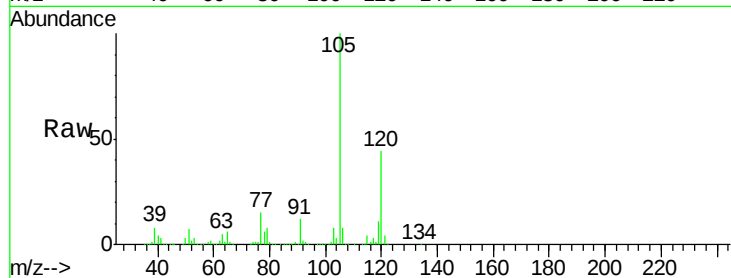
VL0325ABS01

Tgt Ion:105 Resp: 2376666

Ion Ratio Lower Upper

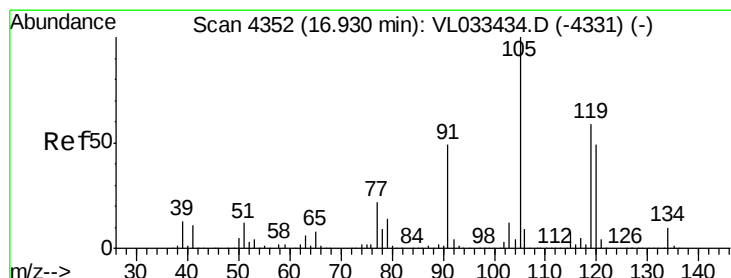
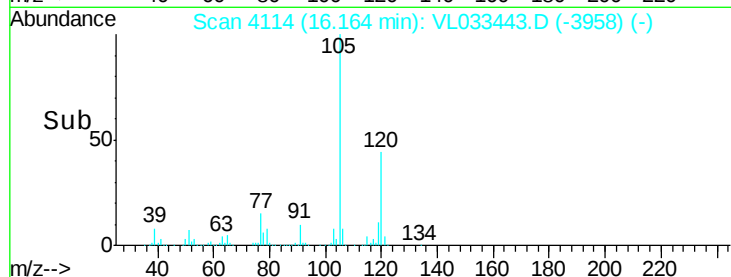
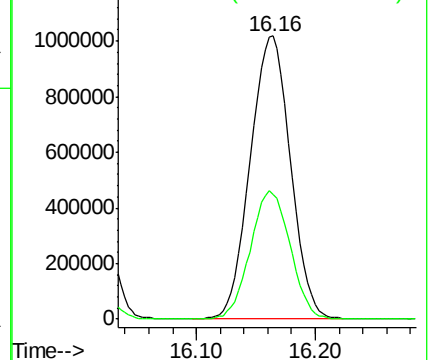
105 100

120 44.2 35.7 53.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.015 ppbv

RT: 16.93 min Scan# 4352

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Tgt Ion:105 Resp: 2468948

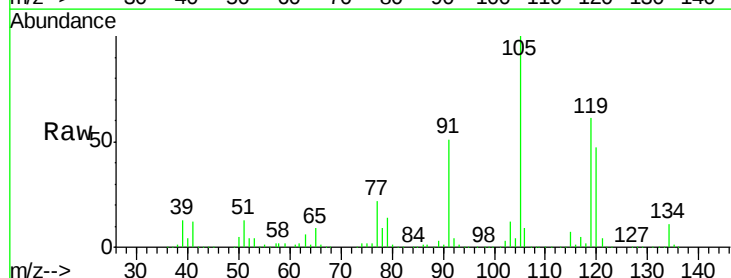
Ion Ratio Lower Upper

105 100

120 47.1 39.0 58.6

91 50.6 40.0 60.0

77 22.0 17.5 26.3

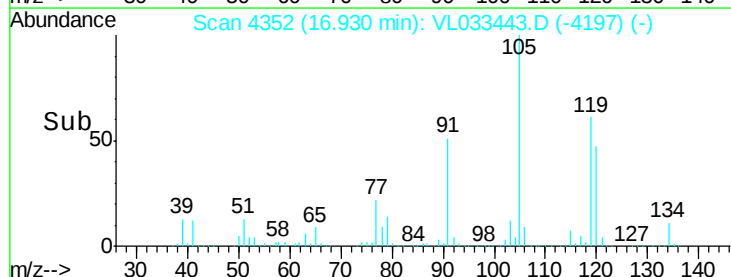
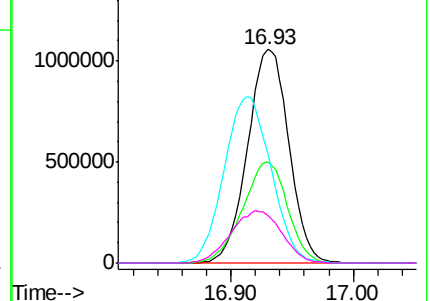


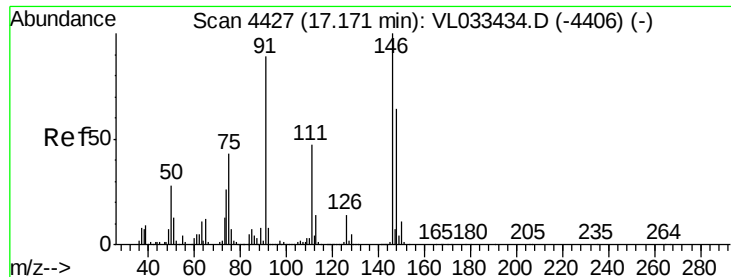
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 7.711 ppbv

RT: 17.17 min Scan# 4427

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

MSVOA_L

ClientSampleId :

VL0325ABS01

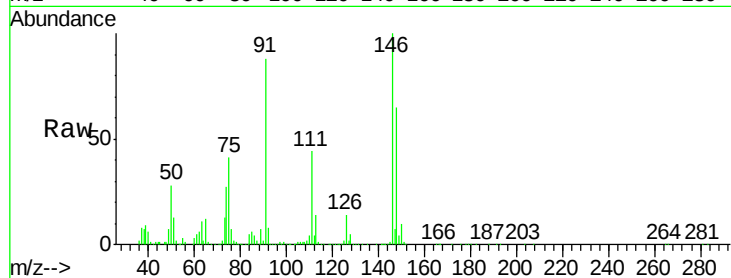
Tgt Ion:146 Resp: 1468166

Ion Ratio Lower Upper

146 100

111 45.0 22.9 68.8

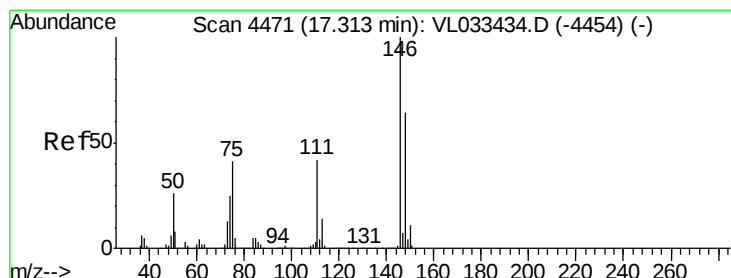
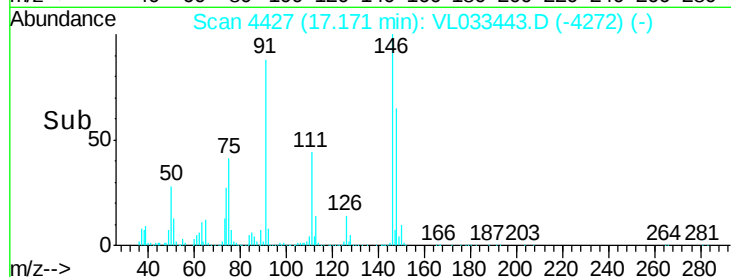
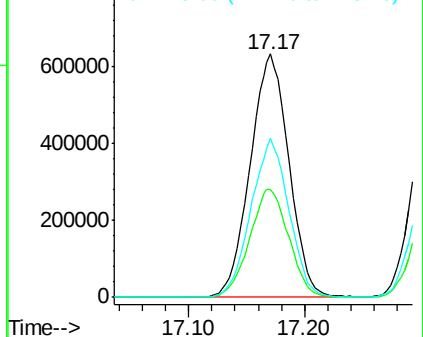
148 64.0 32.0 96.2



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: 7.877 ppbv

RT: 17.31 min Scan# 4471

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

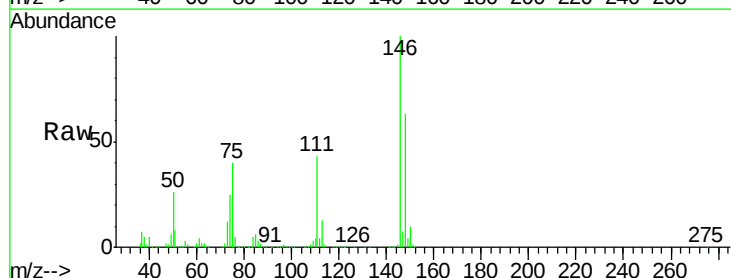
Tgt Ion:146 Resp: 1461179

Ion Ratio Lower Upper

146 100

111 44.2 21.7 65.1

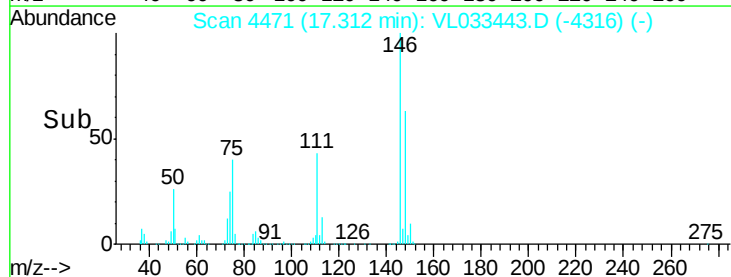
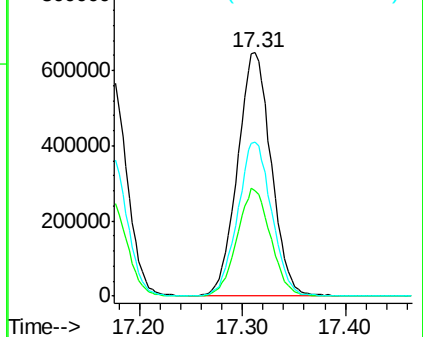
148 64.6 32.0 96.2

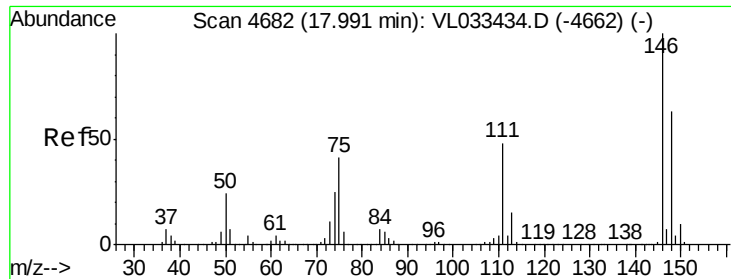


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.925 ppbv

RT: 17.99 min Scan# 4683

Delta R.T. 0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

MSVOA_L

ClientSampleId :

VL0325ABS01

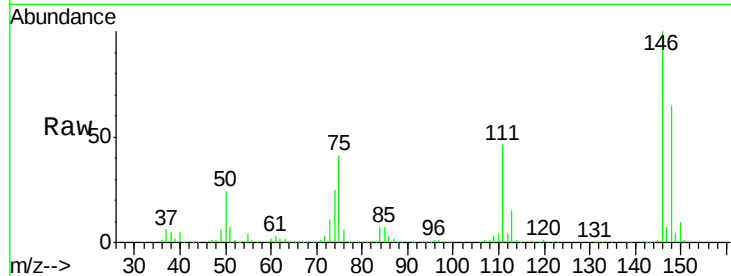
Tgt Ion:146 Resp: 1431598

Ion Ratio Lower Upper

146 100

111 46.1 23.5 70.5

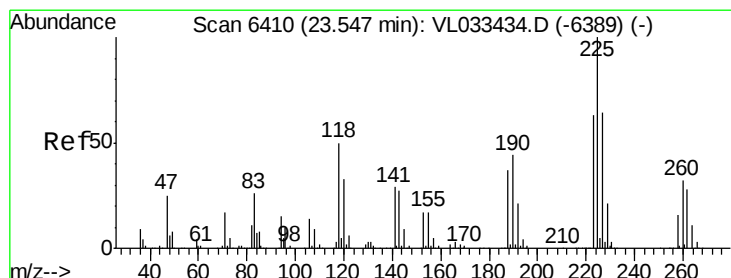
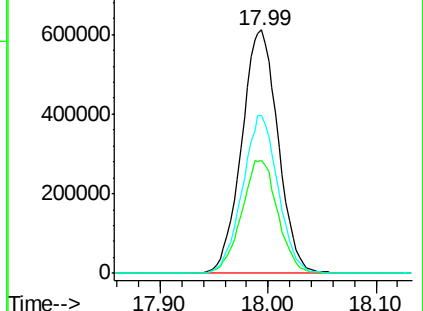
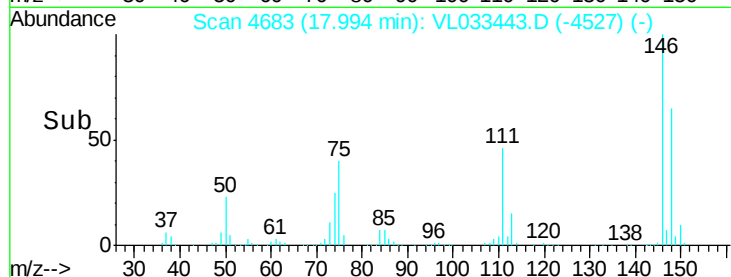
148 63.3 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.497 ppbv

RT: 23.55 min Scan# 6410

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

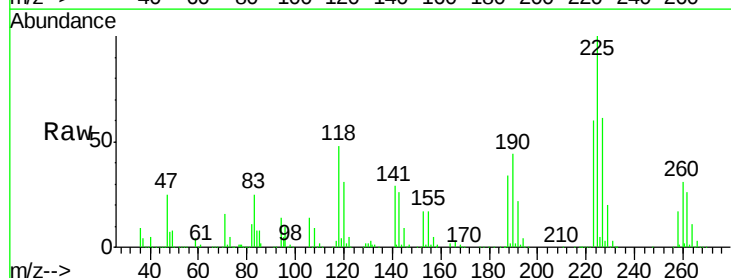
Tgt Ion:225 Resp: 776932

Ion Ratio Lower Upper

225 100

223 62.9 50.0 75.0

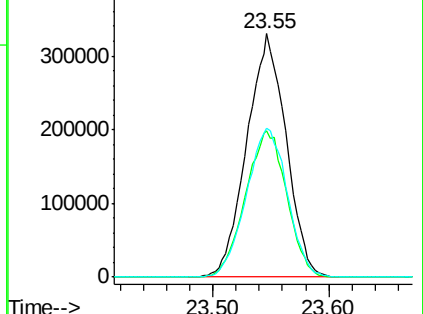
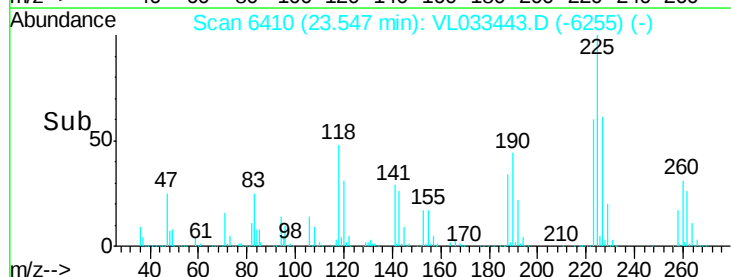
227 63.8 51.1 76.7

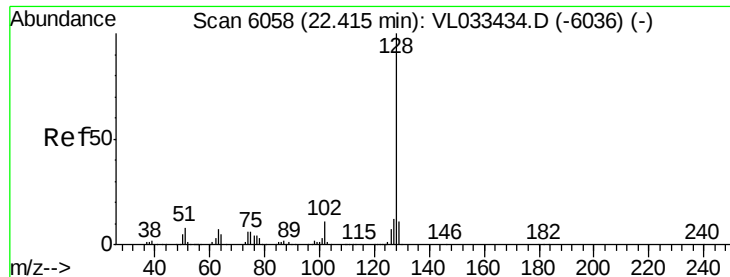


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.242 ppbv

RT: 22.41 min Scan# 6057

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

MSVOA_L

ClientSampleId :

VL0325ABS01

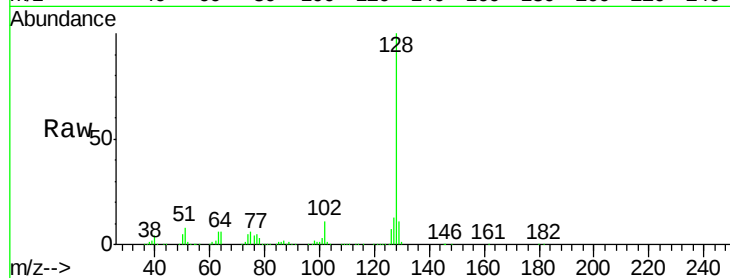
Tgt Ion:128 Resp: 2436877

Ion Ratio Lower Upper

128 100

127 13.1 9.8 14.8

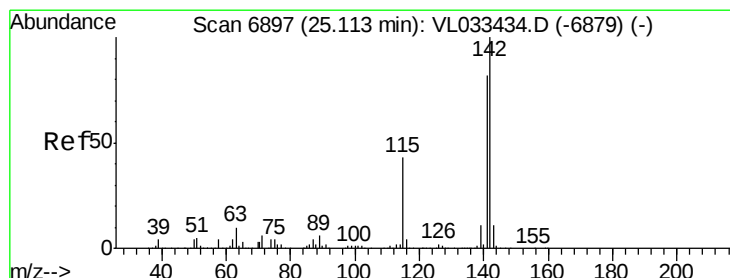
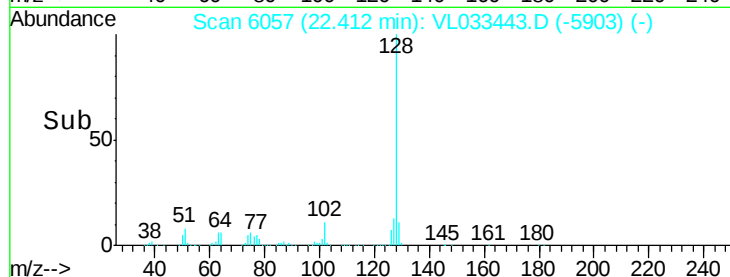
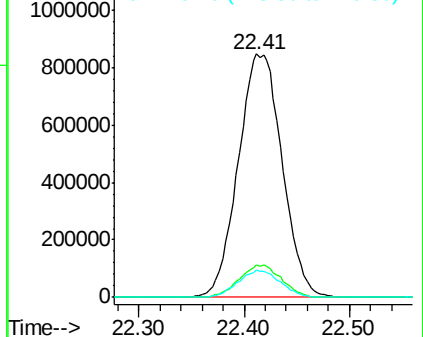
129 11.3 8.6 12.8



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: 12.080 ppbv

RT: 25.12 min Scan# 6898

Delta R.T. 0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

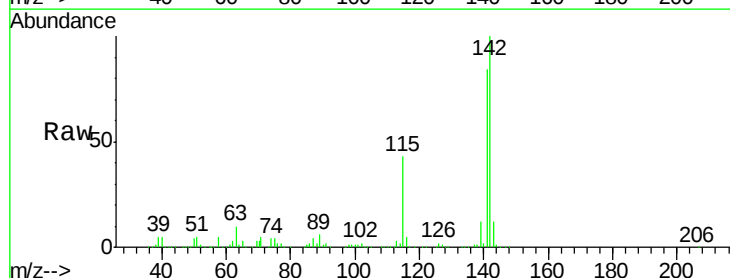
Tgt Ion:142 Resp: 1069003

Ion Ratio Lower Upper

142 100

141 85.1 66.6 99.8

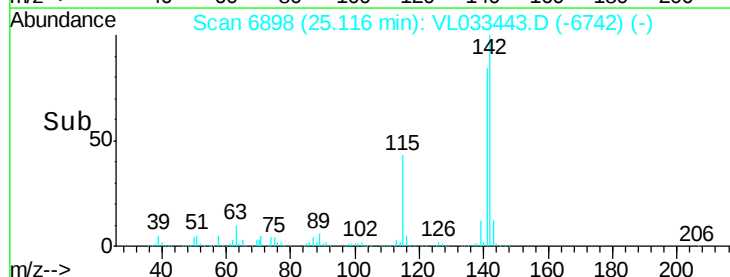
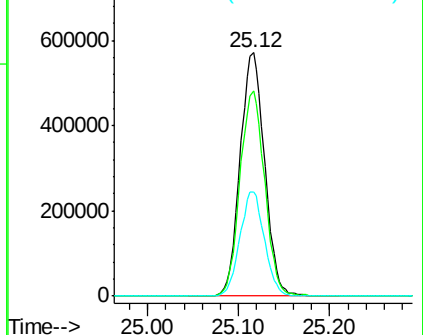
115 42.9 34.4 51.6



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 8.495 ppbv

RT: 22.14 min Scan# 5973

Delta R.T. -0.00 min

Lab File: VL033443.D

Acq: 25 Mar 2019 19:34

Instrument :

MSVOA_L

ClientSampleId :

VL0325ABS01

Tgt Ion:180 Resp: 1242591

Ion Ratio Lower Upper

180 100

182 95.7 77.0 115.4

184 30.8 24.6 36.8

