

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\
 Data File : VL031281.D
 Acq On : 20 Dec 2017 22:40
 Operator : SY/AP
 Sample : I7005-05
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EP1-SV-4

Quant Time: Dec 21 08:40:25 2017

Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 14 04:29:58 2017

QLast Update : Thu Dec 14 04:29:58 2017

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.92	49	1562474	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.47	114	3655535	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.44	117	3196331	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.77	95	2624360	11.54	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	115.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.18	85	44929	0.34	ppbv	96
3) Chlorodifluoromethane	3.11	51	108990	0.61	ppbv	96
4) Chloromethane	3.26	50	70871	0.74	ppbv #	50
5) Vinyl Chloride	3.40	62	437718	4.41	ppbv	98
7) Chloroethane	3.40	64	139150	3.79	ppbv #	42
8) Dichlorotetrafluoroethane	3.26	85	401097	2.19	ppbv #	17
9) Propene	3.14	41	1094978	12.56	ppbv	98
10) Heptane	8.42	43	565619	2.13	ppbv	99
11) Trichlorofluoromethane	4.13	101	77035	0.36	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.69	101	11332	0.07	ppbv	89
13) Ethanol	3.77	45	187056	7.44	ppbv	99
15) Acetone	4.04	43	3827971	18.56	ppbv #	47
16) 1,3-Butadiene	3.46	39	2217555	25.00	ppbv #	14
17) tert-Butyl alcohol	4.50	59	162651	1.41	ppbv #	93
18) 1,1-Dichloroethene	4.49	96	17954	0.26	ppbv	79
19) Isopropyl Alcohol	4.16	45	28552	0.22	ppbv #	41
20) Methylene Chloride	4.55	84	243998	3.58	ppbv	97
21) Allyl Chloride	4.50	41	32977	0.27	ppbv #	22
22) trans-1,2-Dichloroethene	5.11	96	1342493	16.04	ppbv	99
23) Vinyl Acetate	5.28	43	442360	1.33	ppbv #	5
24) 1,1-Dichloroethane	5.11	63	735959	3.05	ppbv #	1
25) Ethyl Acetate	5.93	43	351330	0.83	ppbv #	79
26) Hexane	5.93	57	482218	2.41	ppbv #	38
27) Carbon Disulfide	4.76	76	231818	1.16	ppbv #	94
28) Methyl tert-Butyl Ether	5.27	73	108891	0.42	ppbv #	13
29) Chloroform	6.01	83	339444	1.26	ppbv	100
30) Cyclohexane	7.41	84	134731	0.77	ppbv	93
31) cis-1,2-Dichloroethene	5.80	61	25204628	139.08	ppbv #	57
34) 2-Butanone	5.49	43	11922806	46.18	ppbv	94
36) Benzene	7.18	78	1640258	4.23	ppbv	98
38) Trichloroethene	8.14	130	17622349	116.61	ppbv	91
39) 1,2-Dichloropropane	8.14	63	97188	0.71	ppbv #	1
41) Tetrahydrofuran	6.32	42	7785	0.05	ppbv #	38
42) Bromodichloromethane	8.14	83	383352	1.52	ppbv #	93
44) 2,2,4-Trimethylpentane	8.17	57	1609685	2.75	ppbv #	88
50) 4-Methyl-2-Pentanone	9.06	43	24707	0.08	ppbv #	73
51) 2-Hexanone	10.46	43	1827246	6.06	ppbv #	86
52) Tetrachloroethene	11.66	164	44511459	311.41	ppbv	91
53) Toluene	10.13	91	564181	1.34	ppbv	97
57) Chlorobenzene	12.51	112	13398	0.04	ppbv #	42
58) Ethyl Benzene	13.07	91	248246	0.47	ppbv	95

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\
 Data File : VL031281.D
 Acq On : 20 Dec 2017 22:40
 Operator : SY/AP
 Sample : I7005-05
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EP1-SV-4

Quant Time: Dec 21 08:40:25 2017
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 14 04:29:58 2017
 QLast Update : Thu Dec 14 04:29:58 2017
 Response via : Initial Calibration

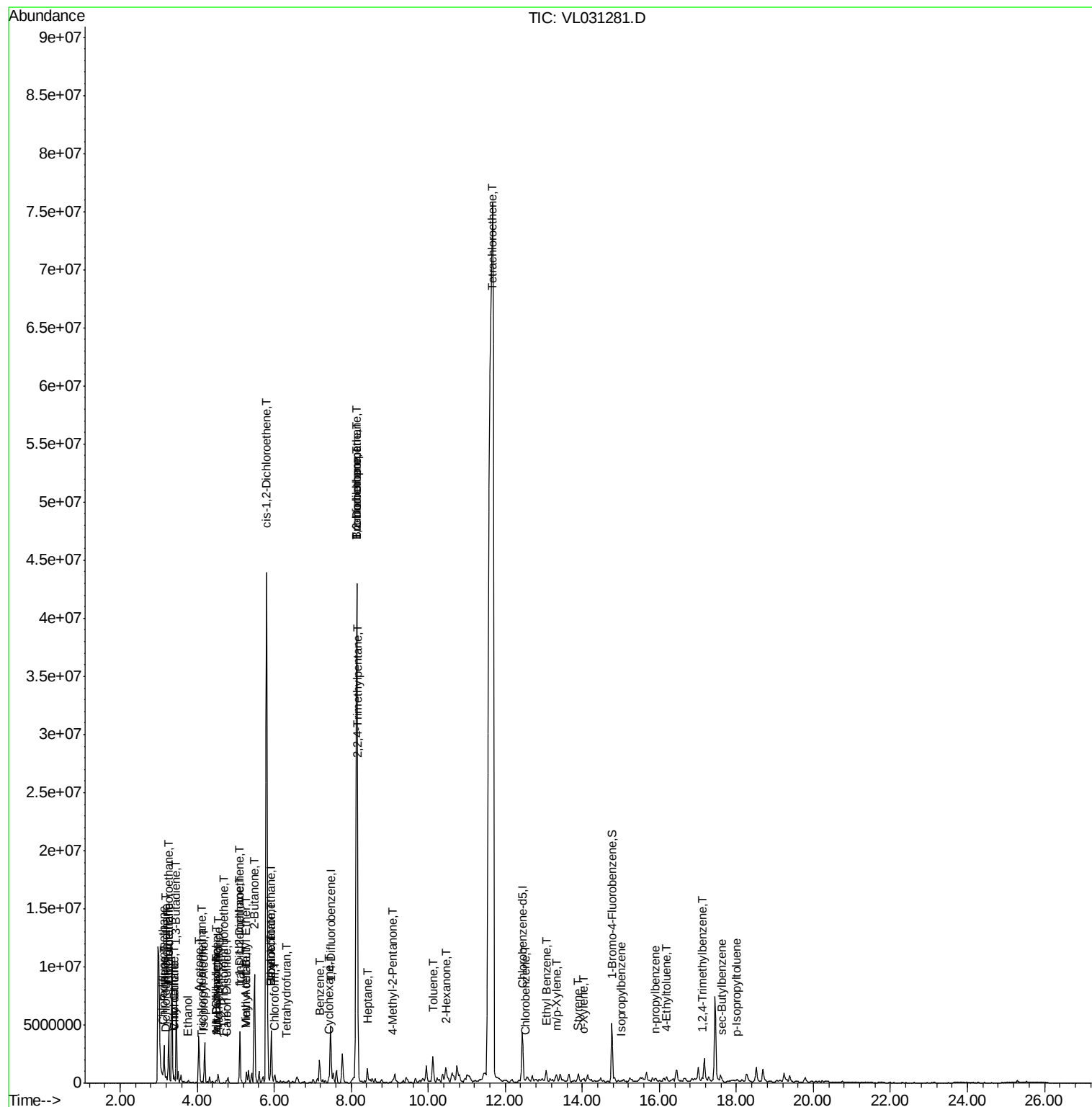
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) m/p-Xylene	13.33	91	146288	0.35	ppbv #	4
60) o-Xylene	14.04	91	229128	0.54	ppbv	98
61) Styrene	13.88	104	53018	0.43	ppbv	92
62) Isopropylbenzene	15.02	105	92798	0.17	ppbv	97
64) n-propylbenzene	15.91	120	29690	0.20	ppbv	71
67) sec-Butylbenzene	17.64	105	34654	0.05	ppbv #	78
69) p-Isopropyltoluene	17.99	119	33090	0.06	ppbv	95
72) 4-Ethyltoluene	16.18	105	85377	0.18	ppbv #	94
74) 1,2,4-Trimethylbenzene	17.11	105	85221	0.20	ppbv #	61

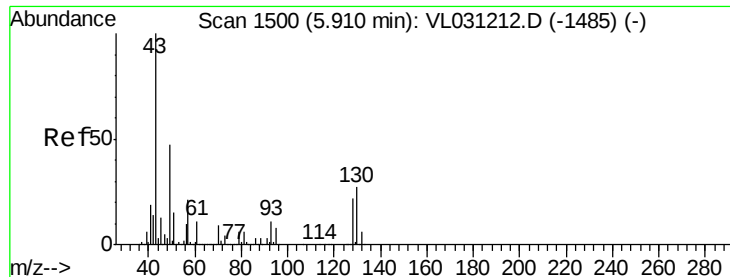
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\
Data File : VL031281.D
Acq On : 20 Dec 2017 22:40
Operator : SY/AP
Sample : I7005-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-4

Quant Time: Dec 21 08:40:25 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 14 04:29:58 2017
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.92 min Scan# 1504

Delta R.T. 0.01 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-4

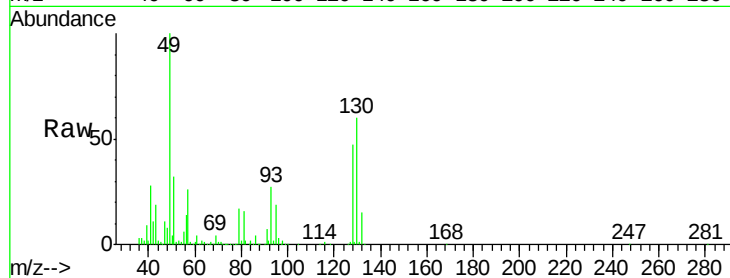
Tgt Ion: 49 Resp: 1562474

Ion Ratio Lower Upper

49 100

128 47.2 23.2 69.5

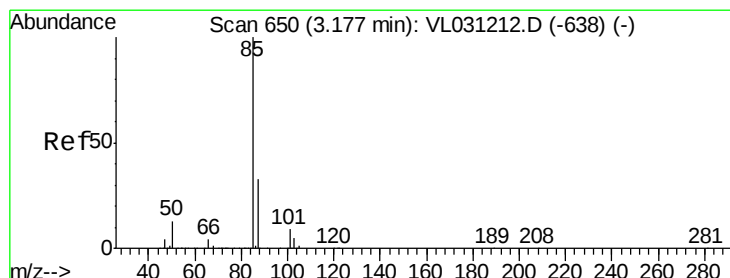
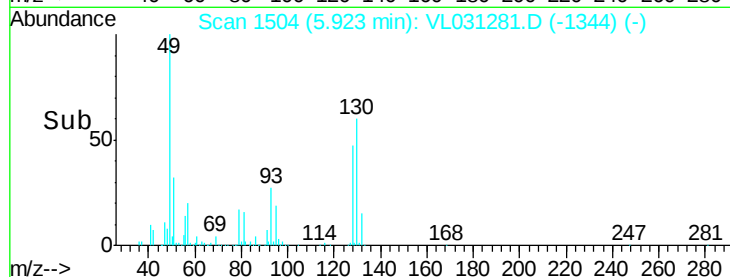
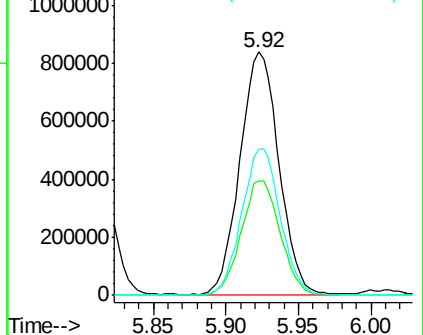
130 60.2 29.6 88.8



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: 0.34 ppbv

RT: 3.18 min Scan# 651

Delta R.T. 0.00 min

Lab File: VL031281.D

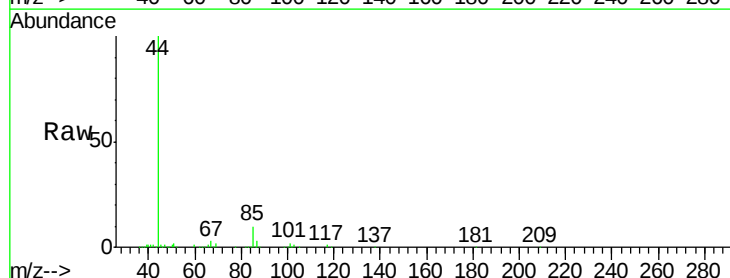
Acq: 20 Dec 2017 22:40

Tgt Ion: 85 Resp: 44929

Ion Ratio Lower Upper

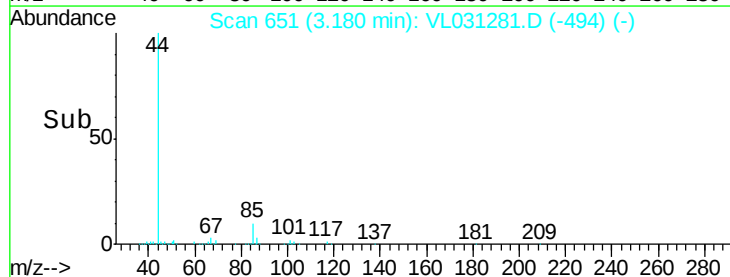
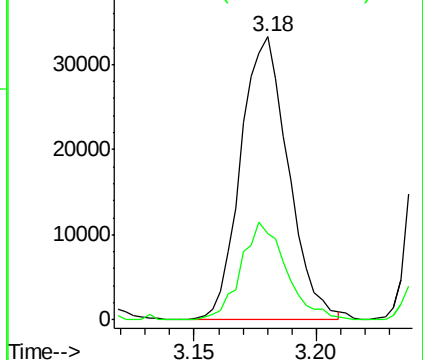
85 100

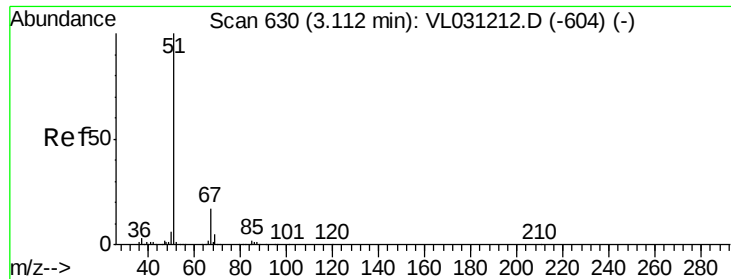
87 30.3 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.61 ppbv

RT: 3.11 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

Instrument :

MSVOA_L

ClientSampleId :

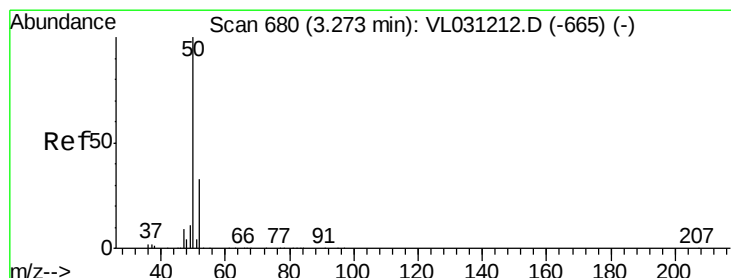
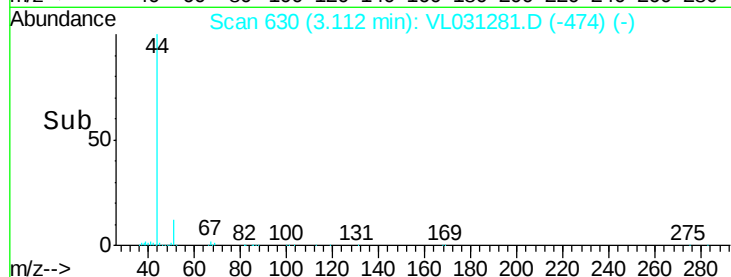
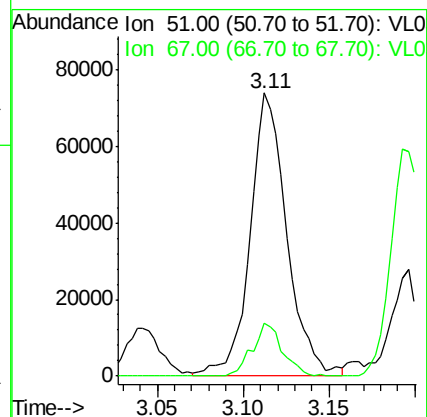
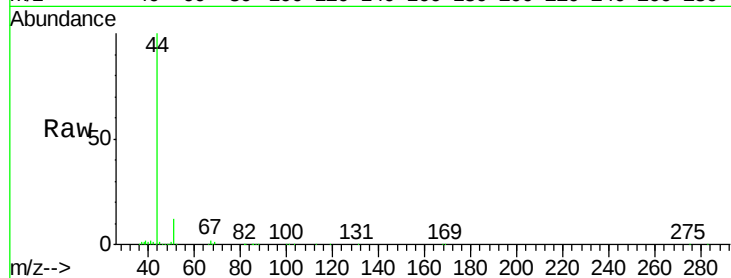
EP1-SV-4

Tgt Ion: 51 Resp: 108990

Ion Ratio Lower Upper

51 100

67 15.4 13.8 20.6



#4

Chloromethane

Concen: 0.74 ppbv

RT: 3.26 min Scan# 677

Delta R.T. -0.01 min

Lab File: VL031281.D

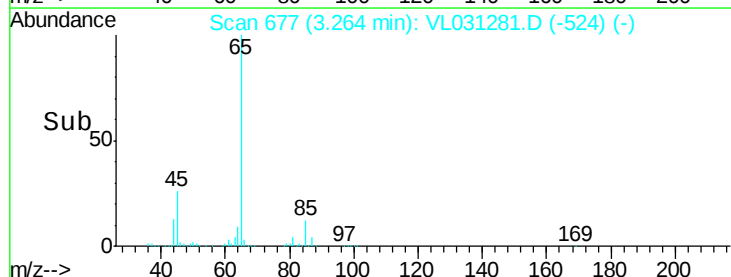
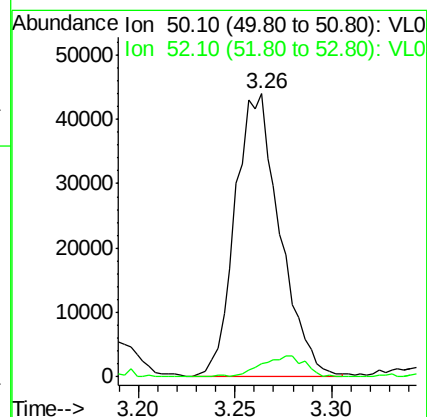
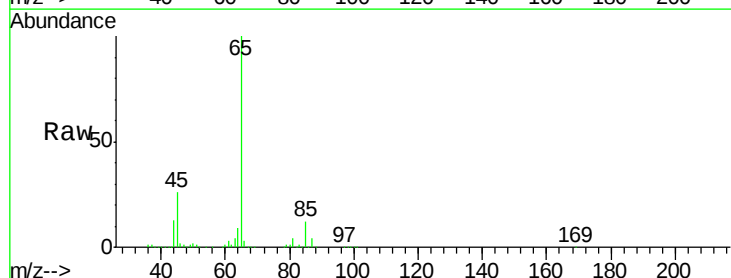
Acq: 20 Dec 2017 22:40

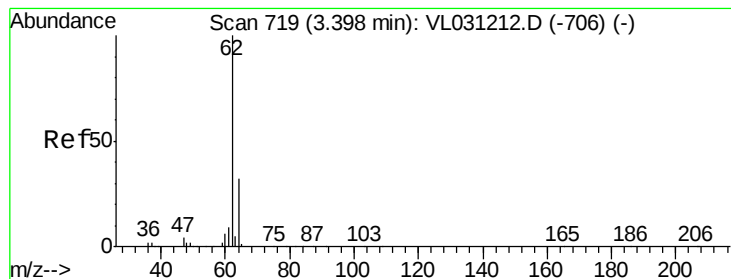
Tgt Ion: 50 Resp: 70871

Ion Ratio Lower Upper

50 100

52 4.7 26.5 39.7#





#5

Vinyl Chloride

Concen: 4.41 ppbv

RT: 3.40 min Scan# 720

Delta R.T. 0.00 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

Instrument :

MSVOA_L

ClientSampleId :

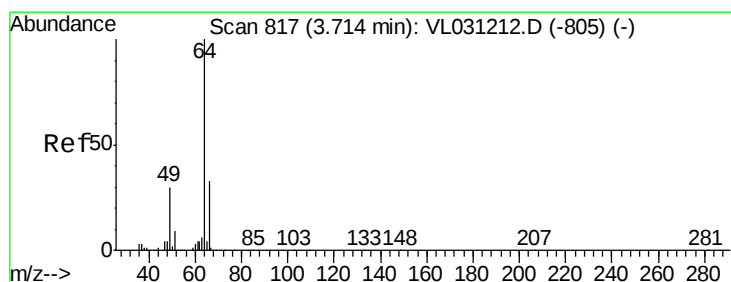
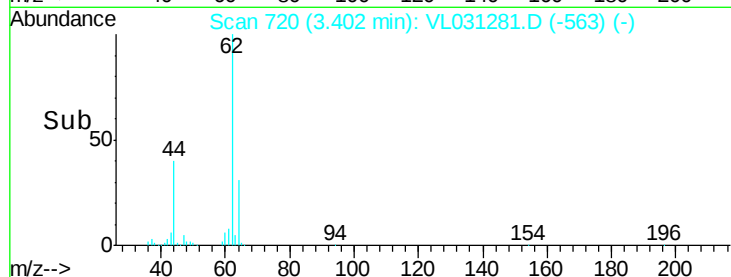
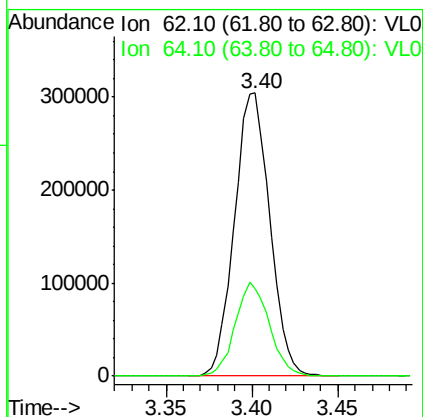
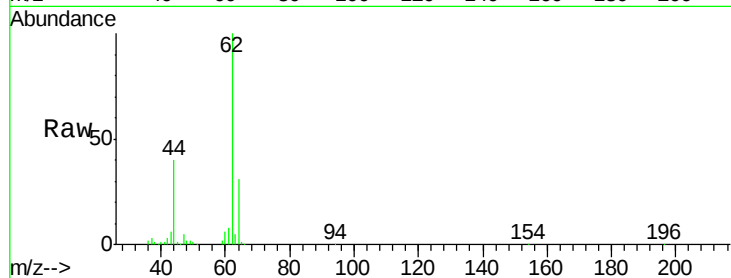
EP1-SV-4

Tgt Ion: 62 Resp: 437718

Ion Ratio Lower Upper

62 100

64 31.0 25.9 38.9



#7

Chloroethane

Concen: 3.79 ppbv

RT: 3.40 min Scan# 719

Delta R.T. -0.31 min

Lab File: VL031281.D

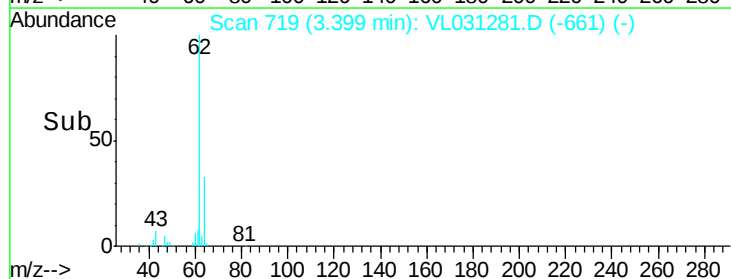
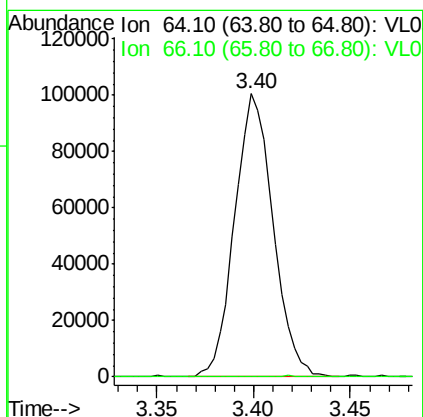
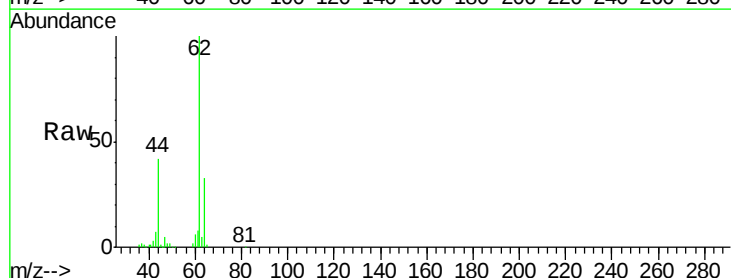
Acq: 20 Dec 2017 22:40

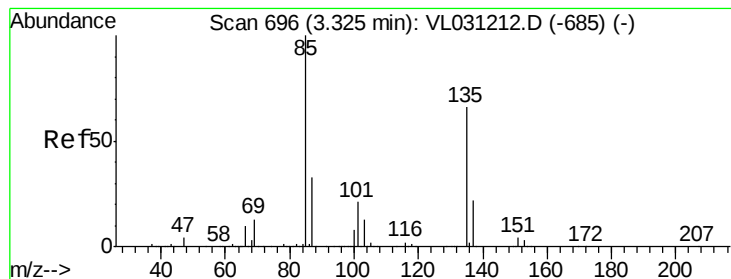
Tgt Ion: 64 Resp: 139150

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.2#





#8

Dichlorotetrafluoroethane

Concen: 2.19 ppbv

RT: 3.26 min Scan# 676

Delta R.T. -0.06 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

Instrument :

MSVOA_L

ClientSampleId :

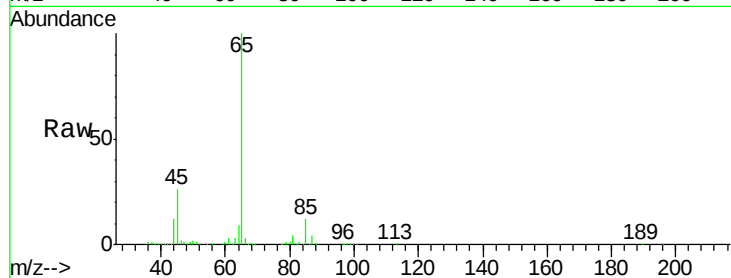
EP1-SV-4

Tgt Ion: 85 Resp: 401097

Ion Ratio Lower Upper

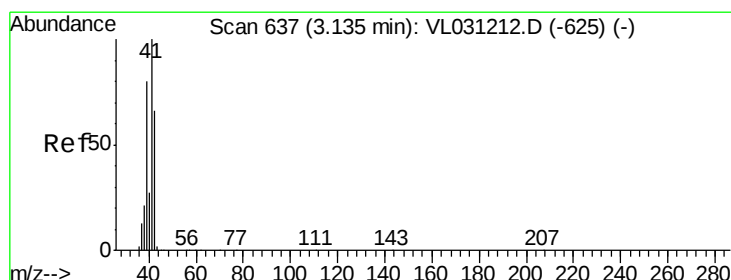
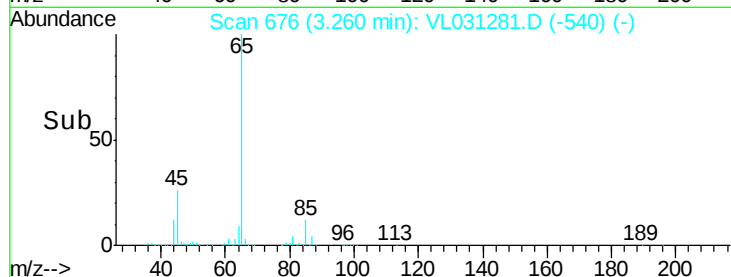
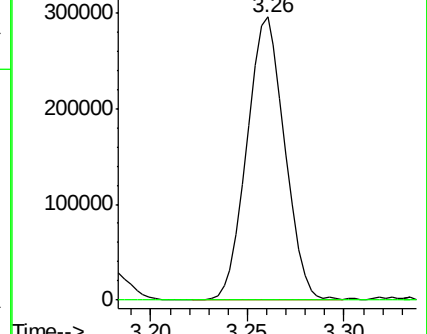
85 100

135 0.3 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: 12.56 ppbv

RT: 3.14 min Scan# 638

Delta R.T. 0.00 min

Lab File: VL031281.D

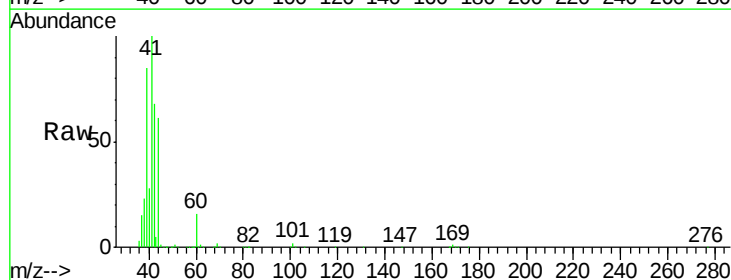
Acq: 20 Dec 2017 22:40

Tgt Ion: 41 Resp: 1094978

Ion Ratio Lower Upper

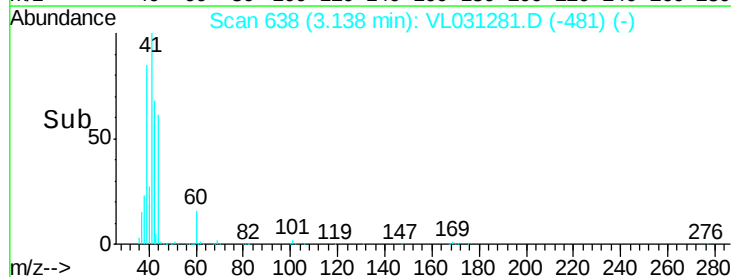
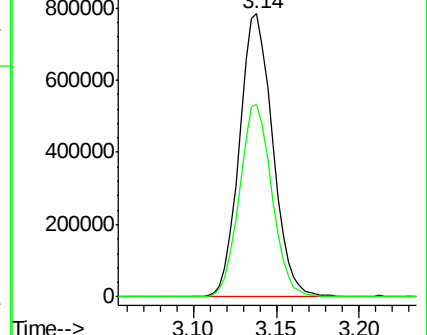
41 100

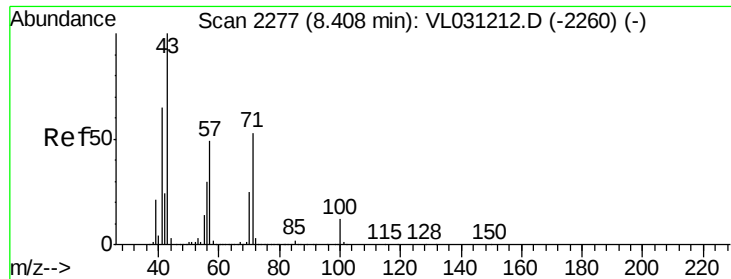
42 66.4 54.3 81.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 2.13 ppbv

RT: 8.42 min Scan# 2281

Delta R.T. 0.01 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

Instrument :

MSVOA_L

ClientSampleId :

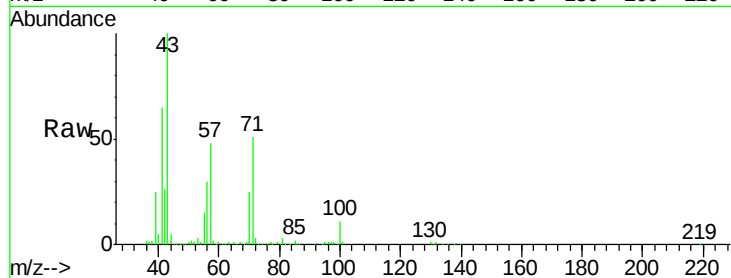
EP1-SV-4

Tgt Ion: 43 Resp: 565619

Ion Ratio Lower Upper

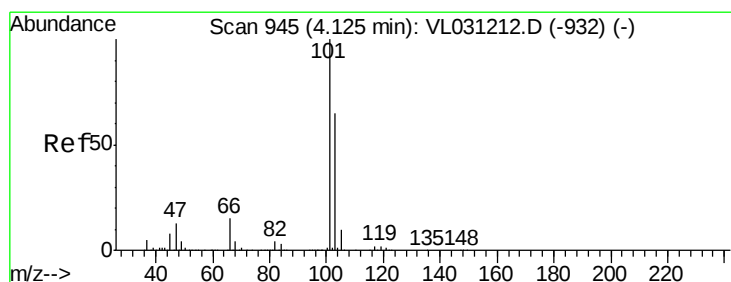
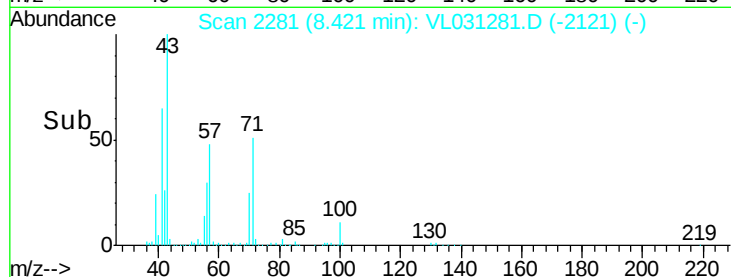
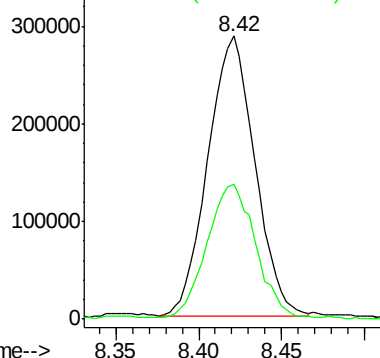
43 100

57 50.4 39.8 59.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.36 ppbv

RT: 4.13 min Scan# 948

Delta R.T. 0.01 min

Lab File: VL031281.D

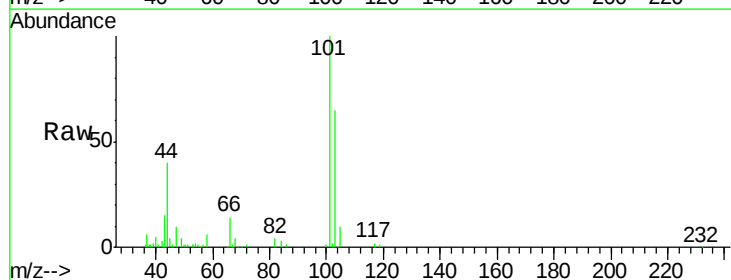
Acq: 20 Dec 2017 22:40

Tgt Ion: 101 Resp: 77035

Ion Ratio Lower Upper

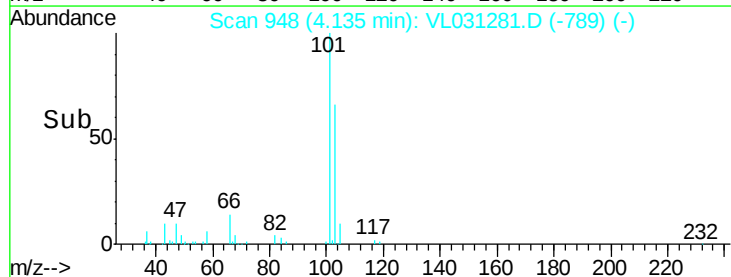
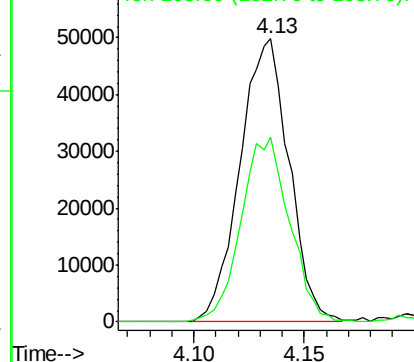
101 100

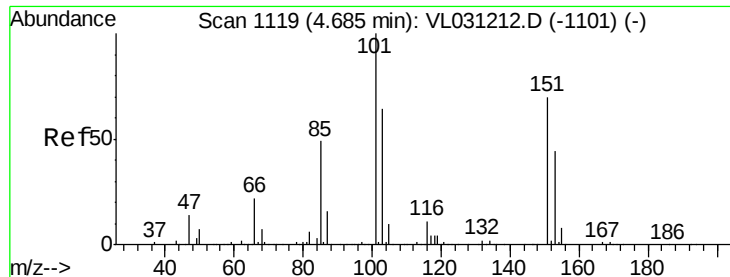
103 64.5 51.8 77.8



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: 0.07 ppbv

RT: 4.69 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

Instrument :

MSVOA_L

ClientSampleId :

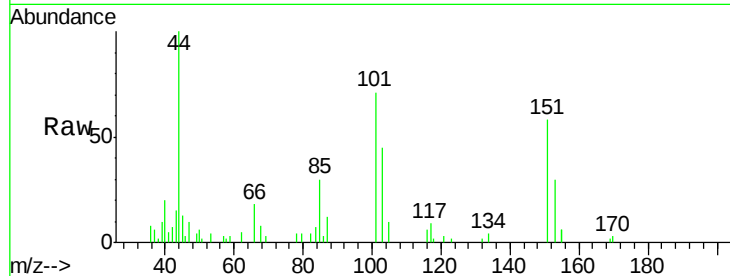
EP1-SV-4

Tgt Ion: 101 Resp: 11332

Ion Ratio Lower Upper

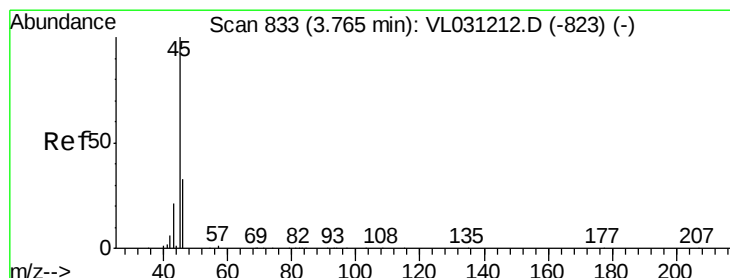
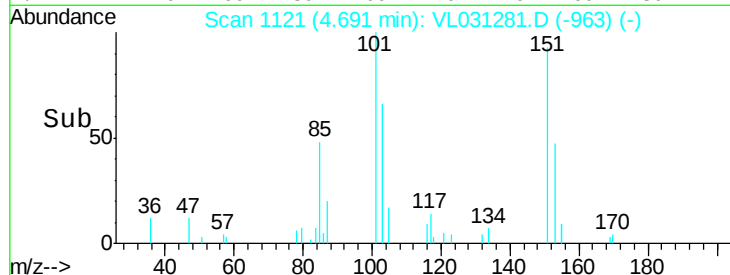
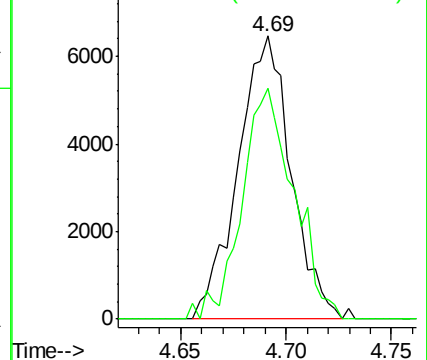
101 100

151 79.4 56.5 84.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 7.44 ppbv

RT: 3.77 min Scan# 835

Delta R.T. 0.01 min

Lab File: VL031281.D

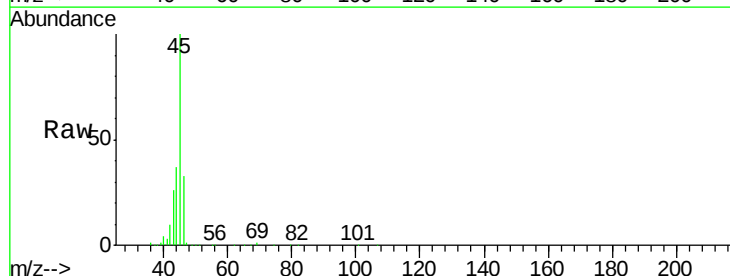
Acq: 20 Dec 2017 22:40

Tgt Ion: 45 Resp: 187056

Ion Ratio Lower Upper

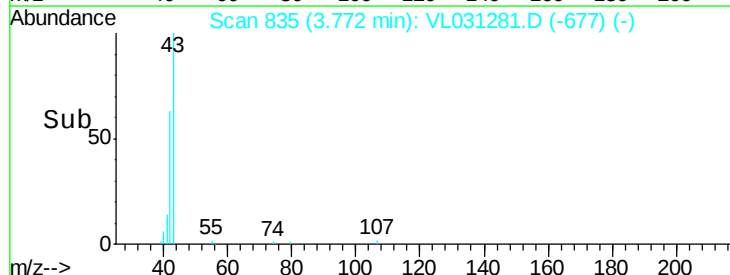
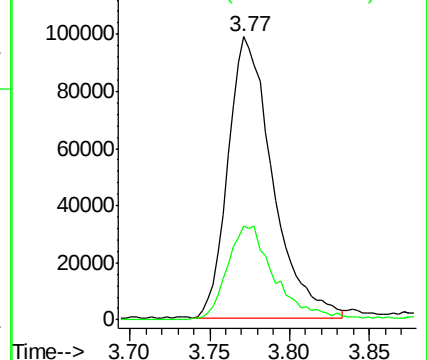
45 100

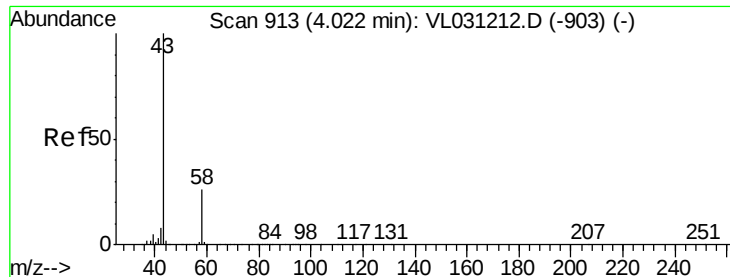
46 37.3 14.6 58.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 18.56 ppbv

RT: 4.04 min Scan# 919

Delta R.T. 0.02 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

Instrument :

MSVOA_L

ClientSampleId :

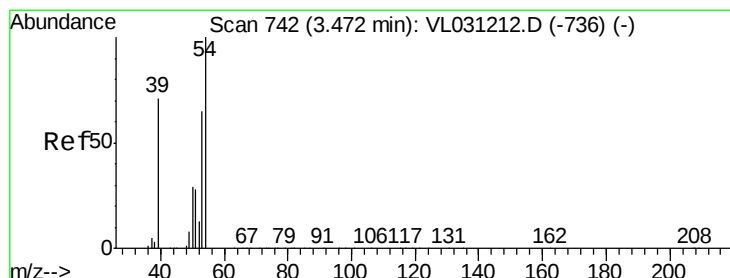
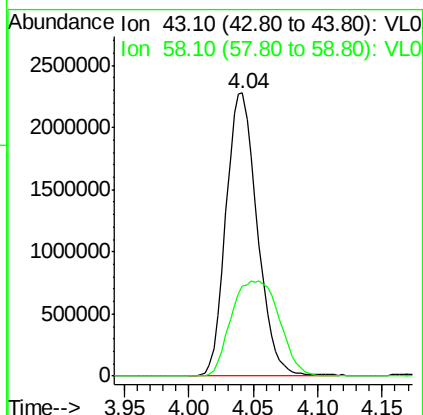
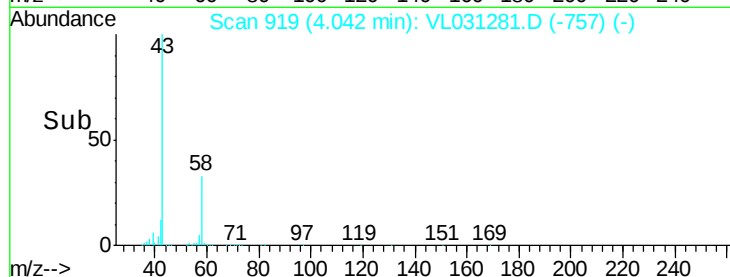
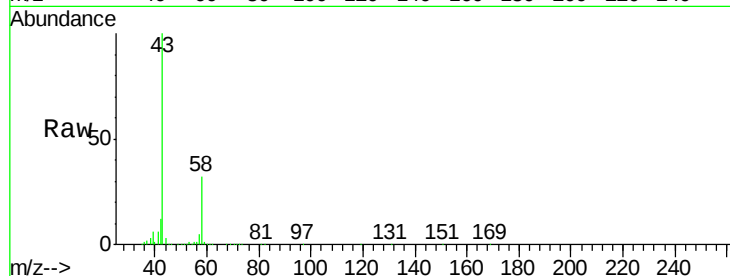
EP1-SV-4

Tgt Ion: 43 Resp: 3827971

Ion Ratio Lower Upper

43 100

58 52.4 20.3 30.5#



#16

1,3-Butadiene

Concen: 25.00 ppbv

RT: 3.46 min Scan# 737

Delta R.T. -0.02 min

Lab File: VL031281.D

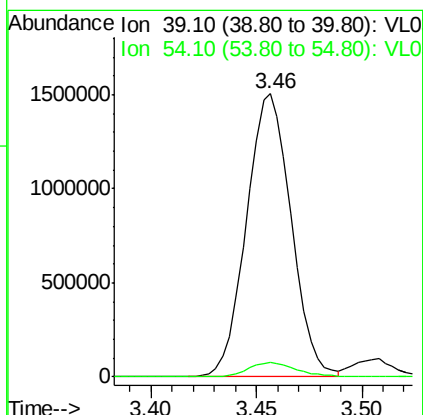
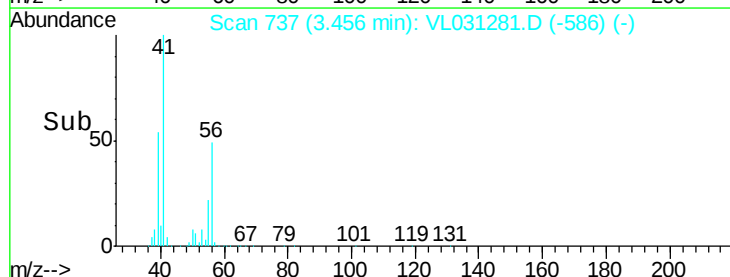
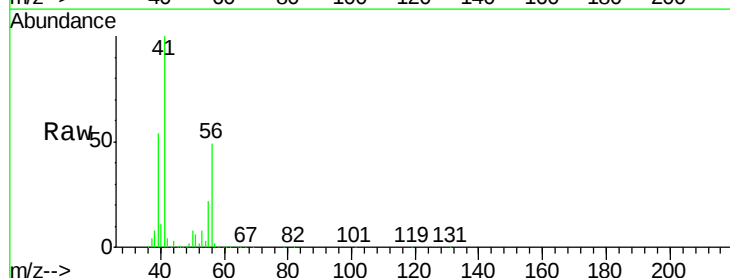
Acq: 20 Dec 2017 22:40

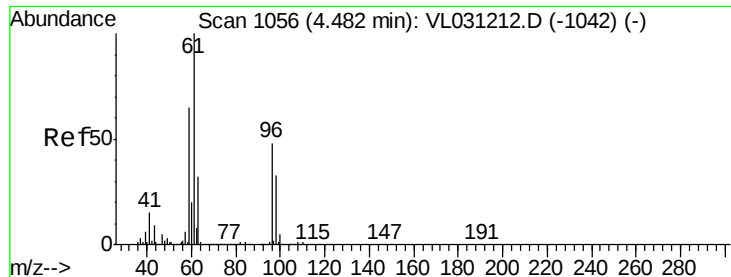
Tgt Ion: 39 Resp: 2217555

Ion Ratio Lower Upper

39 100

54 5.6 66.4 99.6#

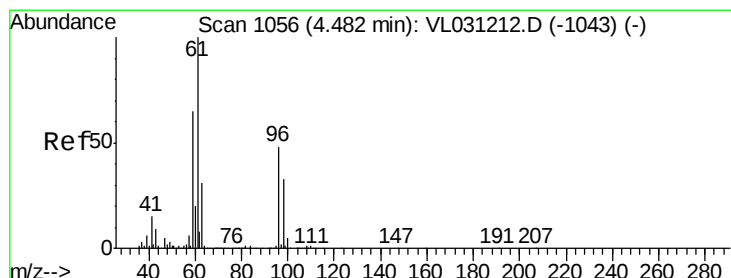
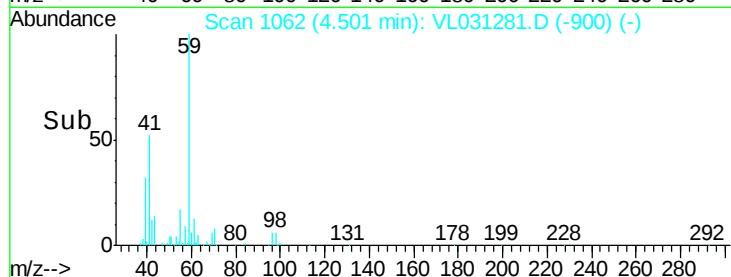
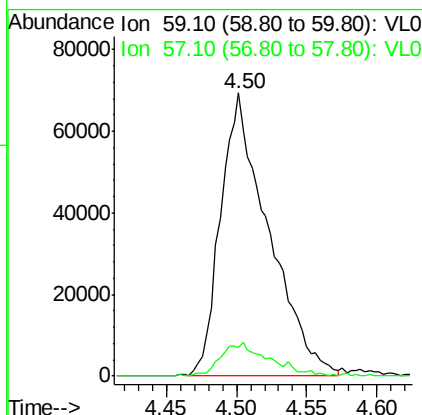
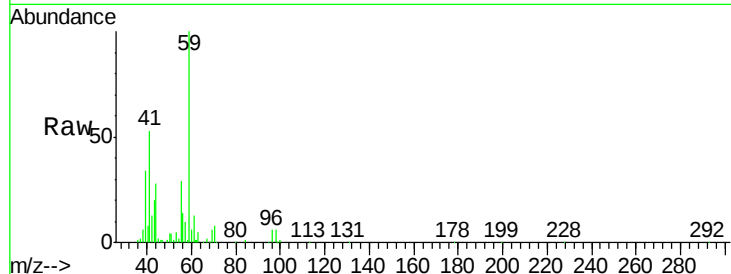




#17
 tert-Butyl alcohol
 Concen: 1.41 ppbv
 RT: 4.50 min Scan# 1062
 Delta R.T. 0.02 min
 Lab File: VL031281.D
 Acq: 20 Dec 2017 22:40

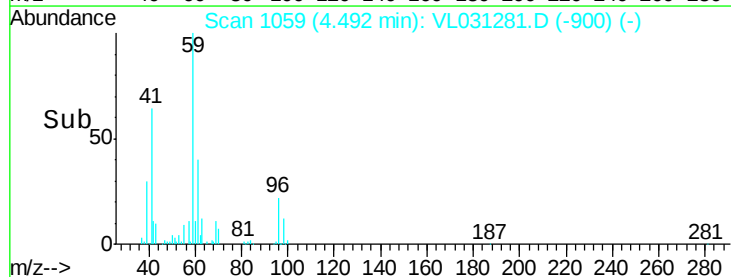
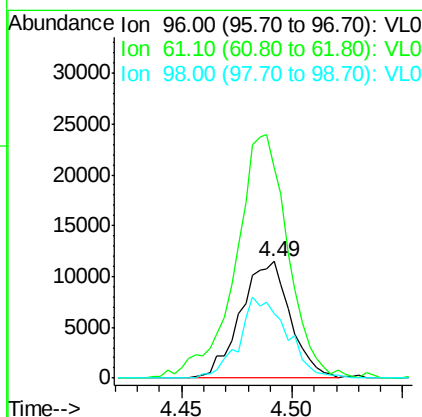
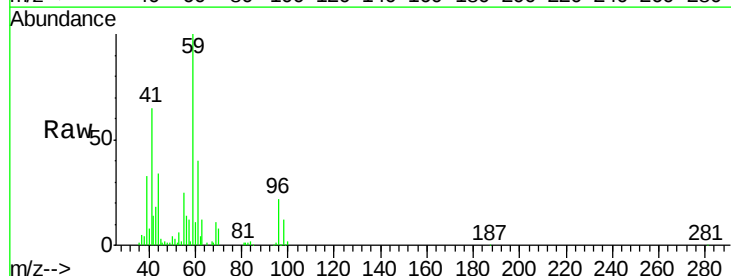
Instrument :
 MSVOA_L
 ClientSampleId :
 EP1-SV-4

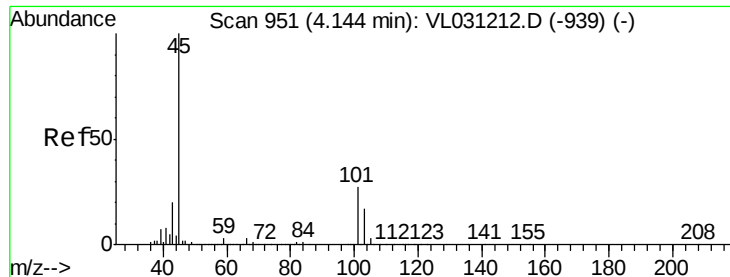
Tgt Ion: 59 Resp: 162651
 Ion Ratio Lower Upper
 59 100
 57 12.6 8.2 12.2#



#18
 1,1-Dichloroethene
 Concen: 0.26 ppbv
 RT: 4.49 min Scan# 1059
 Delta R.T. 0.01 min
 Lab File: VL031281.D
 Acq: 20 Dec 2017 22:40

Tgt Ion: 96 Resp: 17954
 Ion Ratio Lower Upper
 96 100
 61 174.3 166.8 250.2
 98 55.6 55.0 82.6





#19

Isopropyl Alcohol

Concen: 0.22 ppbv

RT: 4.16 min Scan# 957

Delta R.T. 0.02 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

Instrument :

MSVOA_L

ClientSampleId :

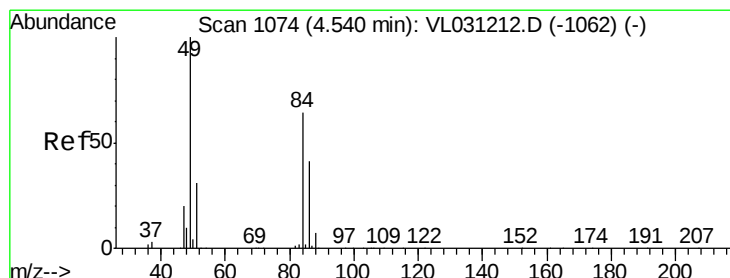
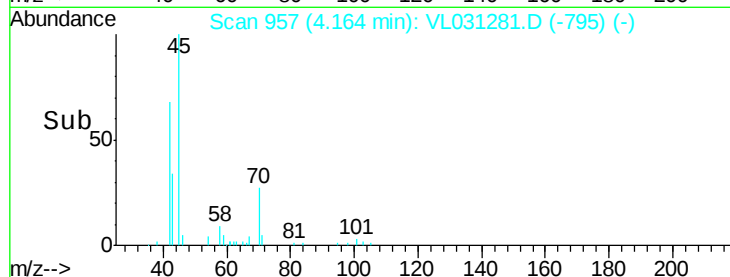
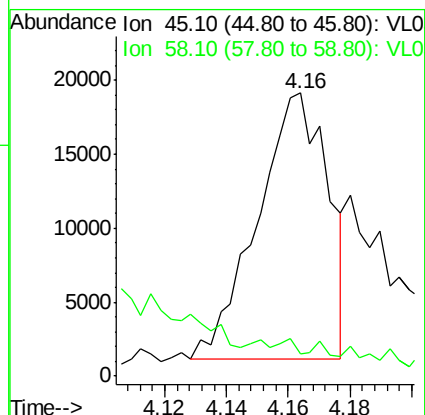
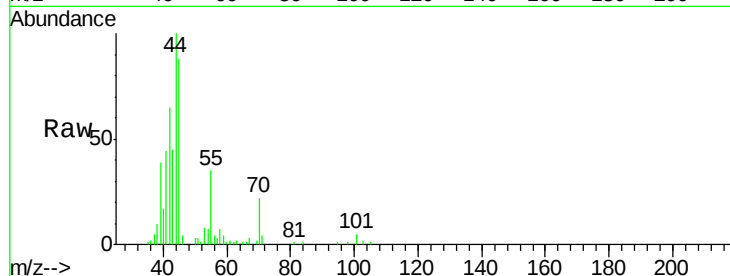
EP1-SV-4

Tgt Ion: 45 Resp: 28552

Ion Ratio Lower Upper

45 100

58 0.0 27.2 40.8#



#20

Methylene Chloride

Concen: 3.58 ppbv

RT: 4.55 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

Tgt Ion: 84 Resp: 243998

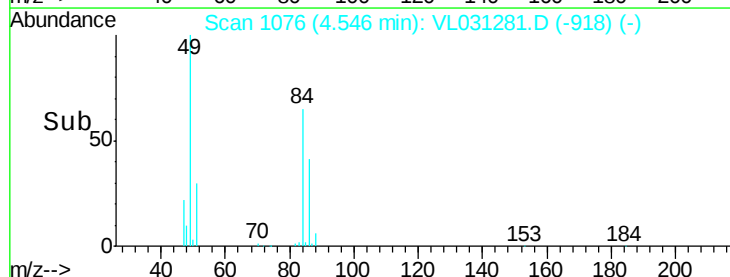
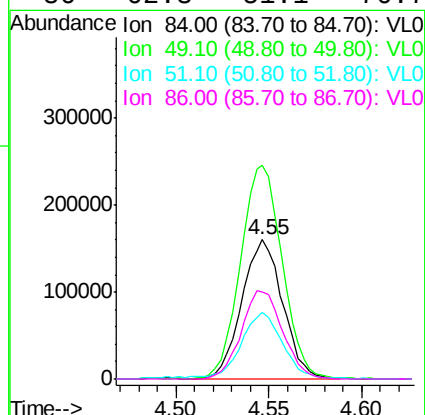
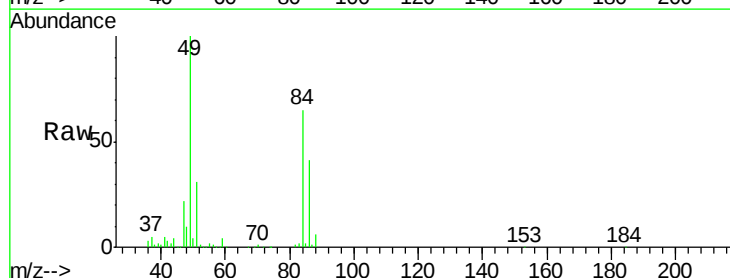
Ion Ratio Lower Upper

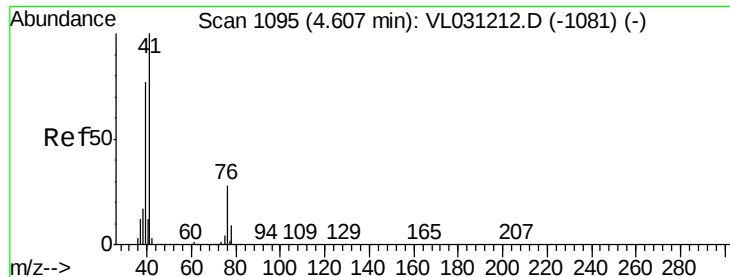
84 100

49 153.1 125.8 188.6

51 47.2 39.3 58.9

86 62.3 51.1 76.7





#21

Allyl Chloride

Concen: 0.27 ppbv

RT: 4.50 min Scan# 1062

Delta R.T. -0.11 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-4

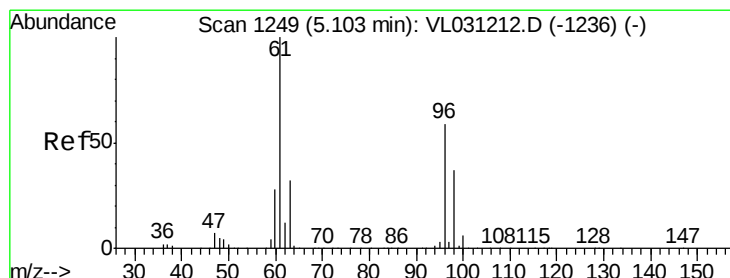
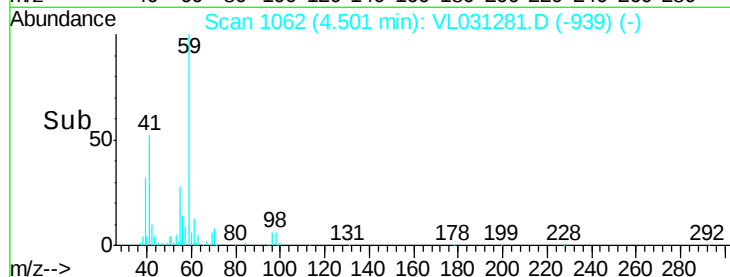
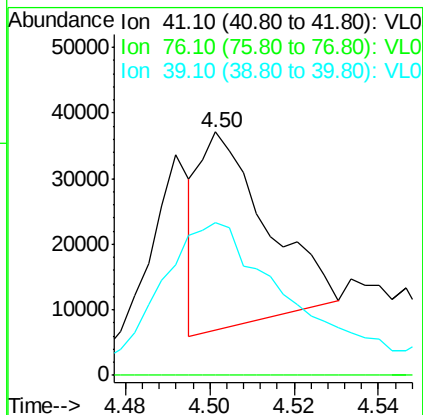
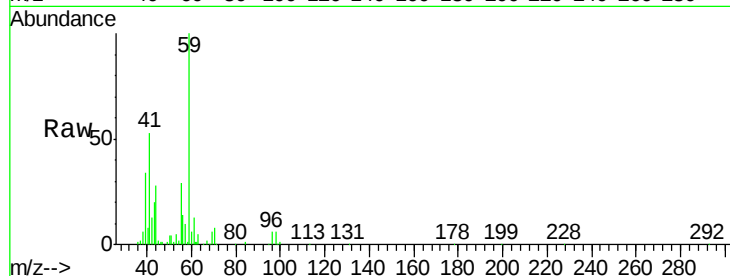
Tgt Ion: 41 Resp: 32977

Ion Ratio Lower Upper

41 100

76 0.0 22.9 34.3#

39 153.4 62.6 93.8#



#22

trans-1,2-Dichloroethene

Concen: 16.04 ppbv

RT: 5.11 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

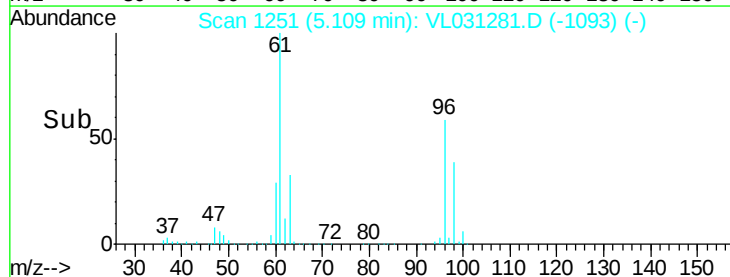
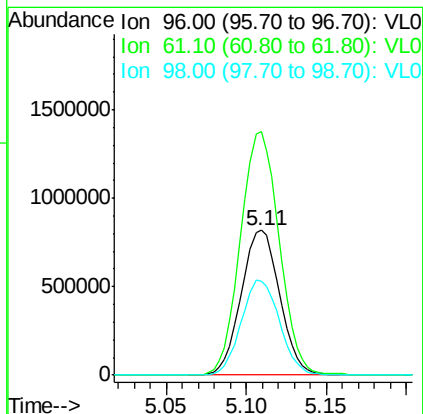
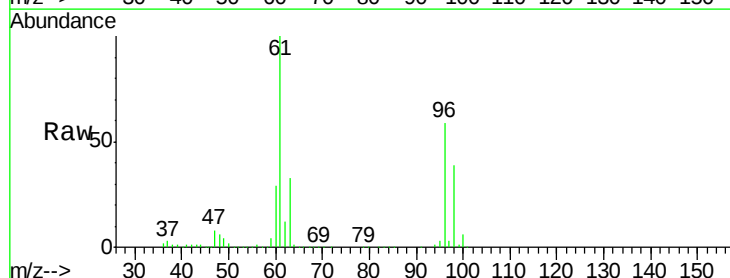
Tgt Ion: 96 Resp: 1342493

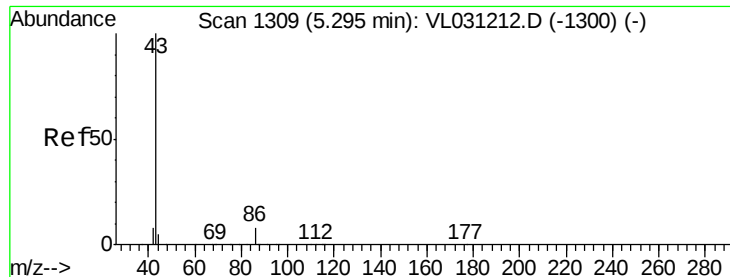
Ion Ratio Lower Upper

96 100

61 168.4 135.0 202.4

98 65.3 50.5 75.7





#23

Vinyl Acetate

Concen: 1.33 ppbv

RT: 5.28 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-4

Tgt Ion: 43 Resp: 442360

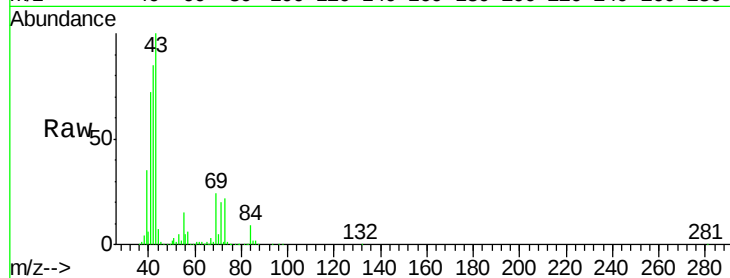
Ion Ratio Lower Upper

43 100

86 2.5 5.9 8.9#

42 84.4 7.3 10.9#

44 3.7 3.7 5.5

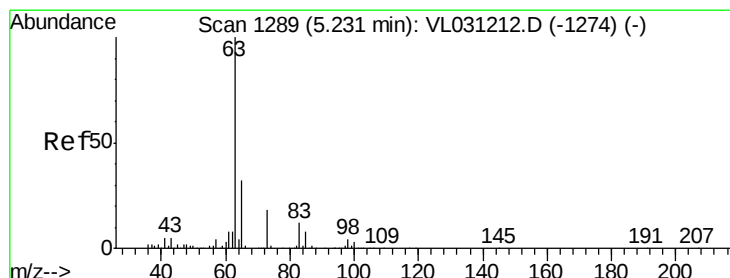
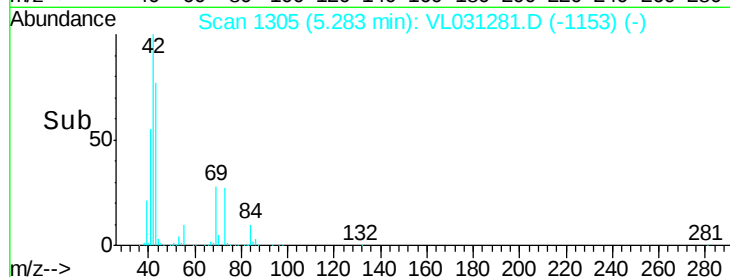
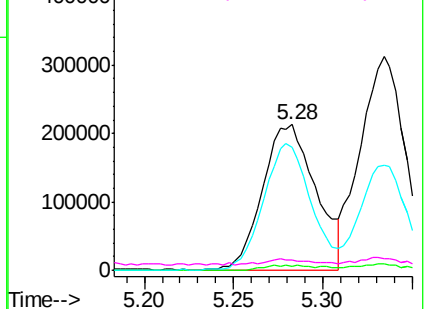


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 3.05 ppbv

RT: 5.11 min Scan# 1251

Delta R.T. -0.12 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

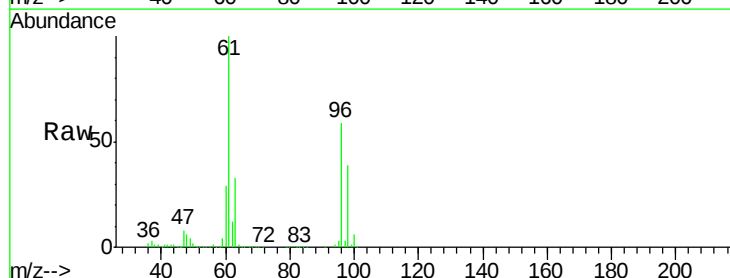
Tgt Ion: 63 Resp: 735959

Ion Ratio Lower Upper

63 100

98 118.0 2.3 6.8#

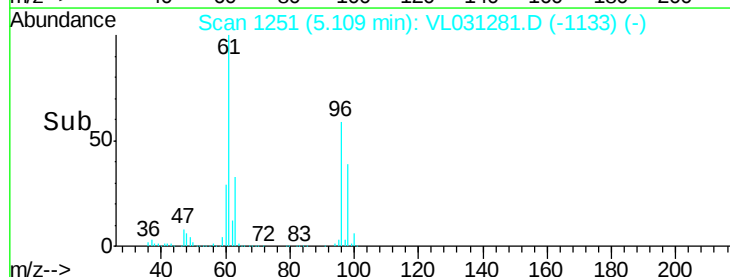
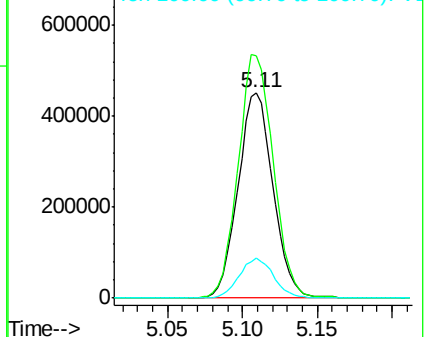
100 19.7 1.4 4.2#

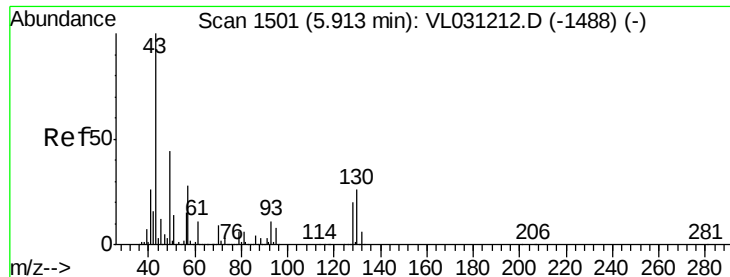


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

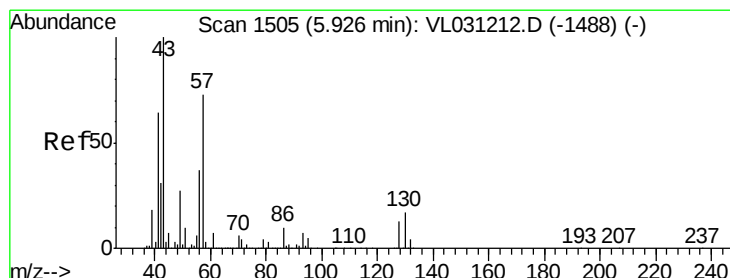
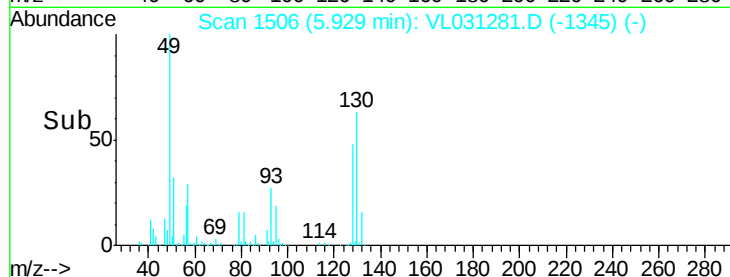
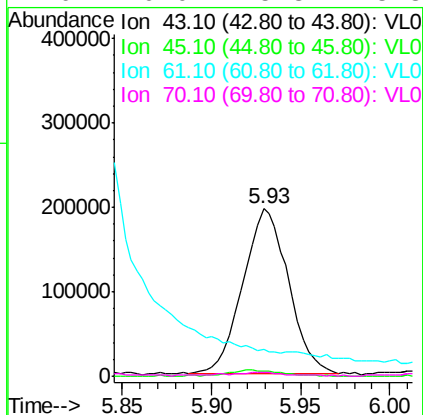
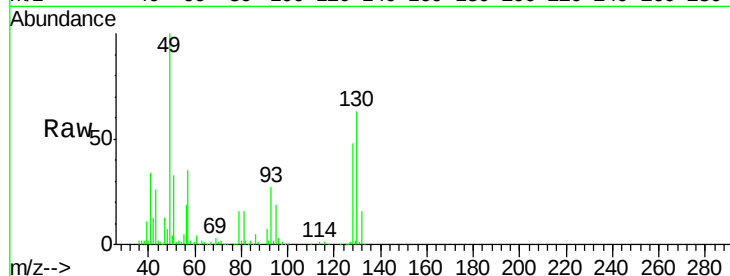




#25
Ethyl Acetate
Concen: 0.83 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.02 min
Lab File: VL031281.D
Acq: 20 Dec 2017 22:40

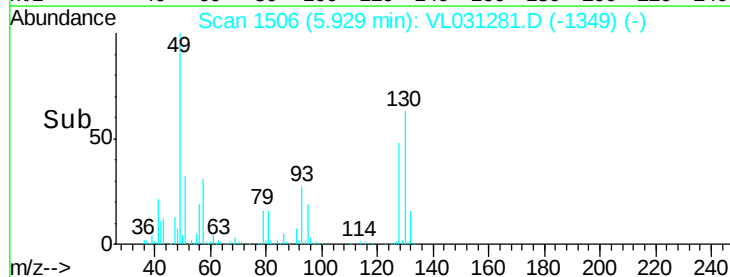
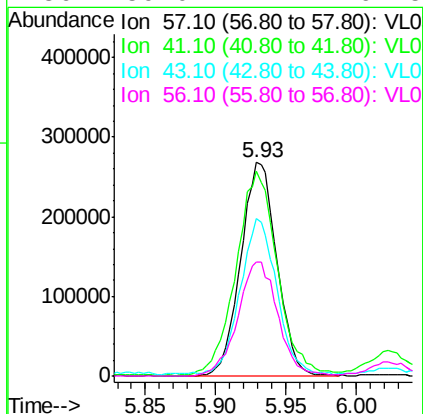
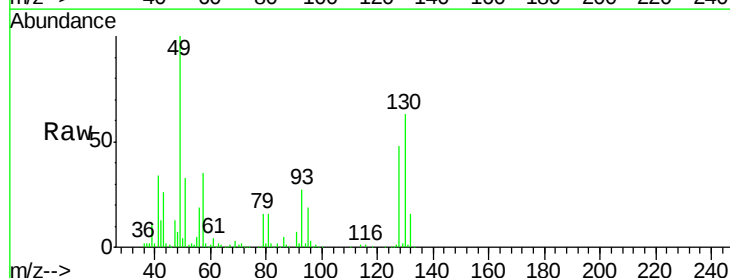
Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-4

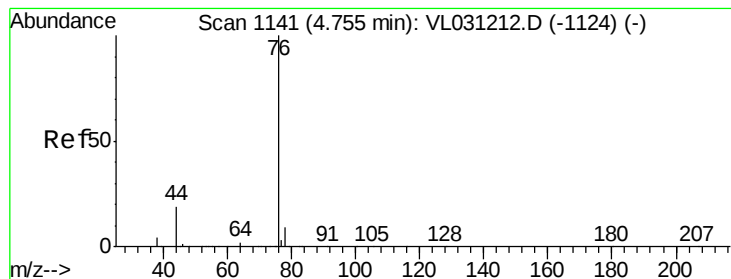
Tgt Ion:	43	Resp:	351330
Ion	Ratio	Lower	Upper
43	100		
45	4.1	8.0	12.0#
61	0.0	7.4	11.0#
70	0.0	5.8	8.8#



#26
Hexane
Concen: 2.41 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.00 min
Lab File: VL031281.D
Acq: 20 Dec 2017 22:40

Tgt Ion:	57	Resp:	482218
Ion	Ratio	Lower	Upper
57	100		
41	109.4	70.3	105.5#
43	74.0	173.8	260.8#
56	59.0	41.7	62.5





#27

Carbon Disulfide

Concen: 1.16 ppbv

RT: 4.76 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-4

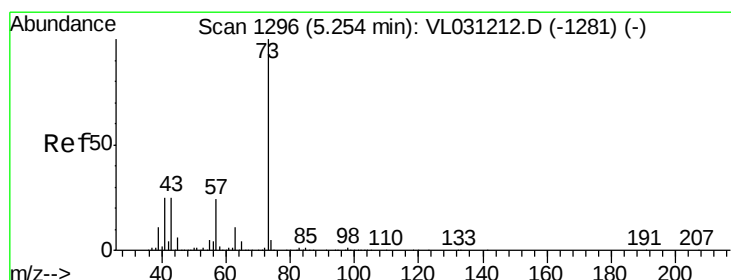
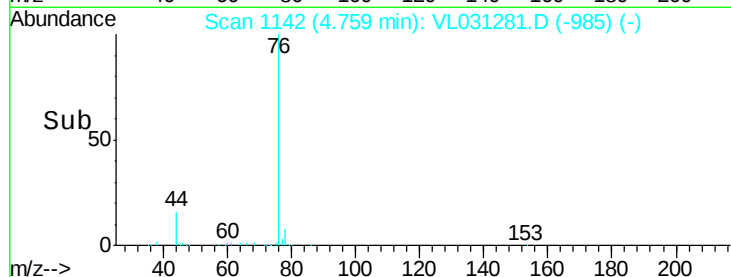
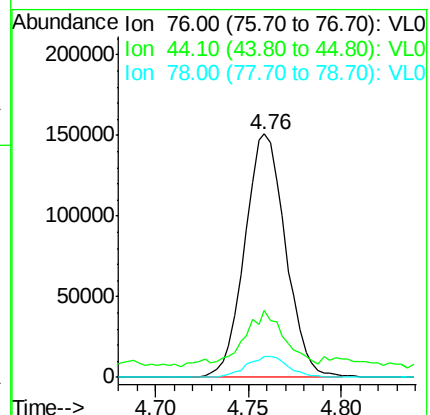
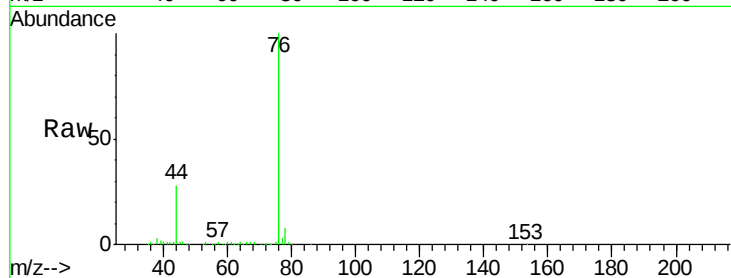
Tgt Ion: 76 Resp: 231818

Ion Ratio Lower Upper

76 100

44 24.1 16.0 24.0#

78 9.0 7.5 11.3



#28

Methyl tert-Butyl Ether

Concen: 0.42 ppbv

RT: 5.27 min Scan# 1302

Delta R.T. 0.02 min

Lab File: VL031281.D

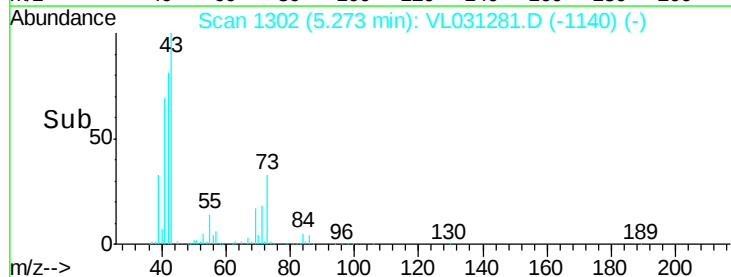
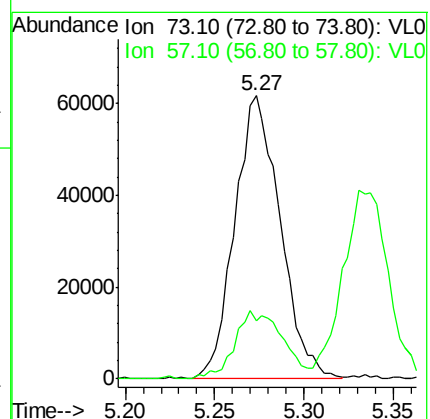
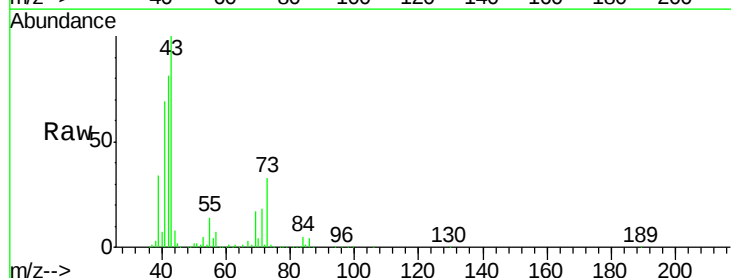
Acq: 20 Dec 2017 22:40

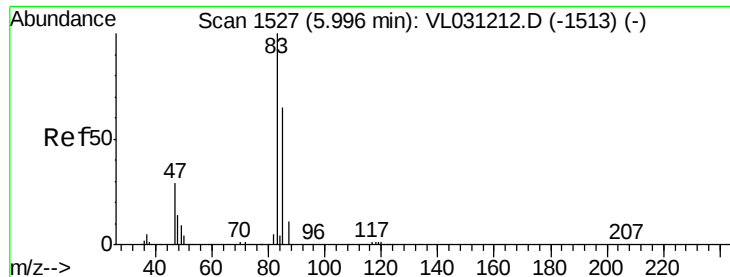
Tgt Ion: 73 Resp: 108891

Ion Ratio Lower Upper

73 100

57 65.1 18.5 27.7#





#29

Chloroform

Concen: 1.26 ppbv

RT: 6.01 min Scan# 1530

Delta R.T. 0.01 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

Instrument :

MSVOA_L

ClientSampleId :

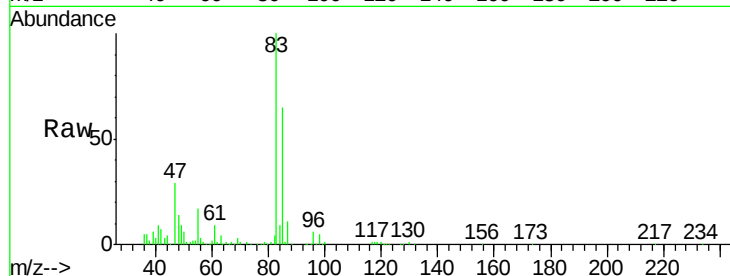
EP1-SV-4

Tgt Ion: 83 Resp: 339444

Ion Ratio Lower Upper

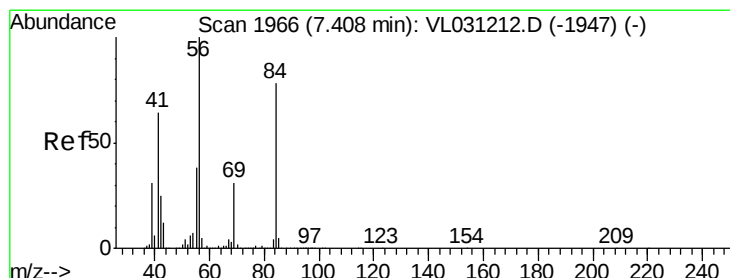
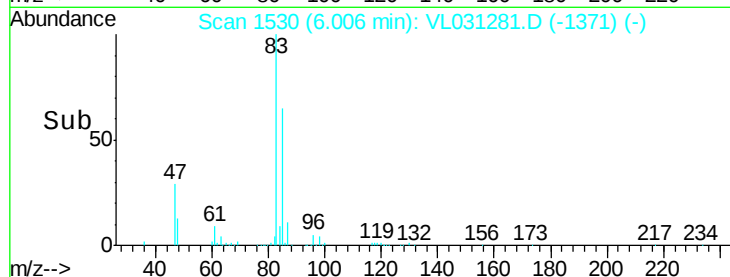
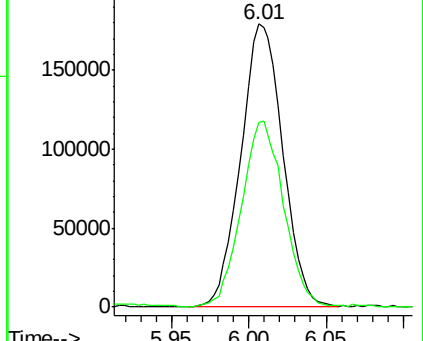
83 100

85 64.7 51.8 77.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 0.77 ppbv

RT: 7.41 min Scan# 1968

Delta R.T. 0.01 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

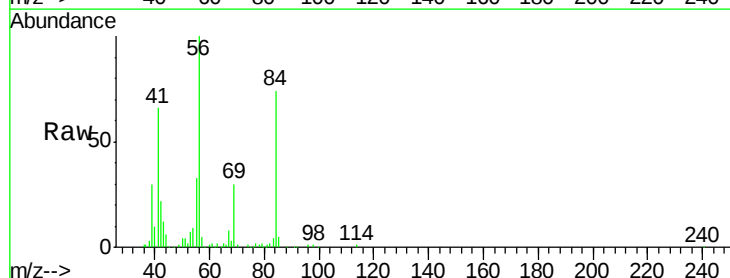
Tgt Ion: 84 Resp: 134731

Ion Ratio Lower Upper

84 100

56 122.5 108.0 162.0

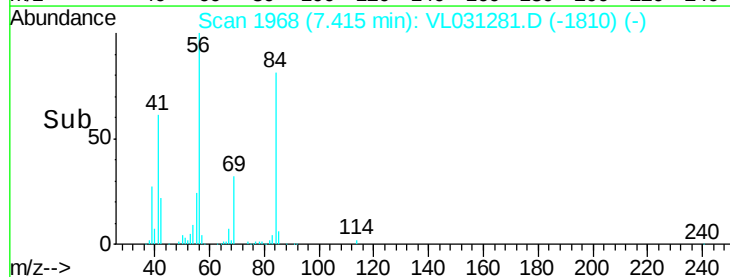
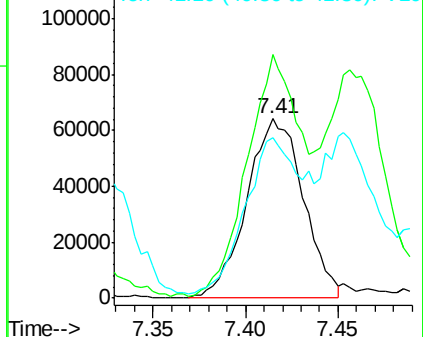
41 84.1 66.2 99.4

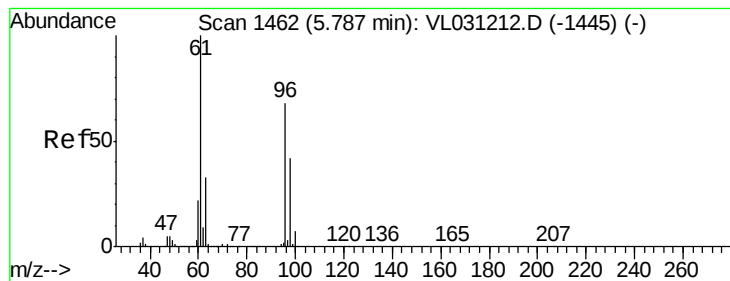


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 139.08 ppbv

RT: 5.80 min Scan# 1467

Delta R.T. 0.02 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-4

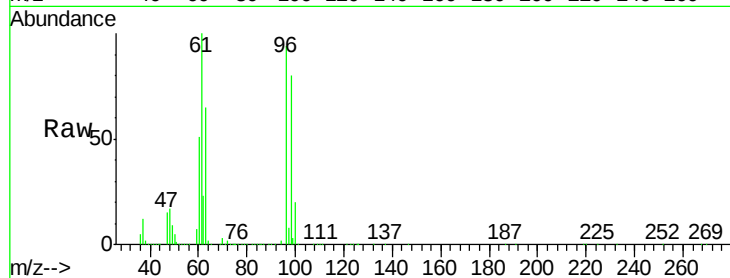
Tgt Ion: 61 Resp: 25204628

Ion Ratio Lower Upper

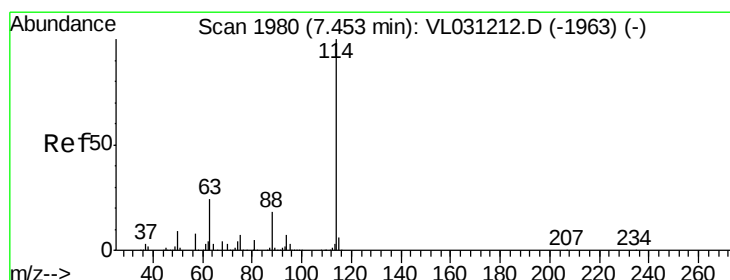
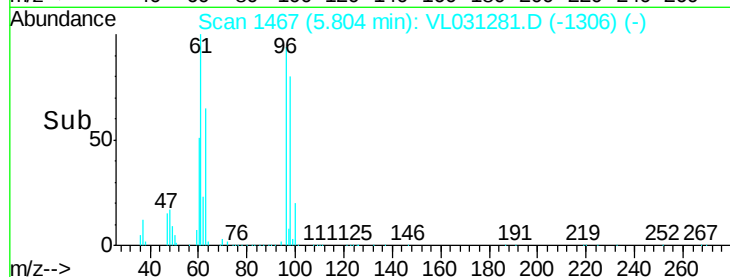
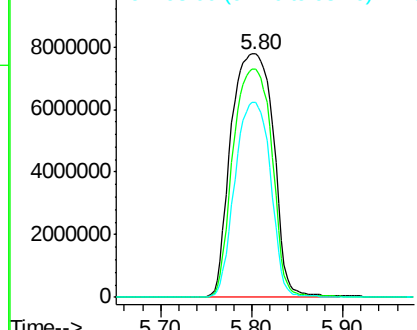
61 100

96 93.6 54.4 81.6#

98 80.2 33.6 50.4#



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



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.47 min Scan# 1984

Delta R.T. 0.01 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

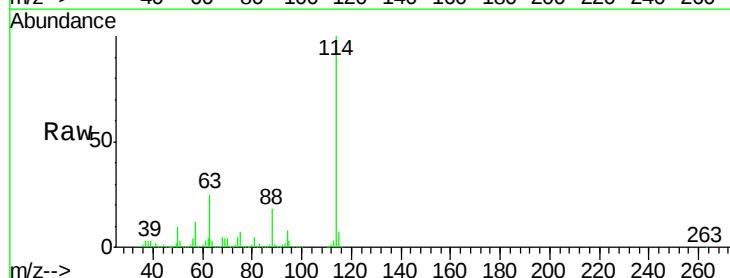
Tgt Ion: 114 Resp: 3655535

Ion Ratio Lower Upper

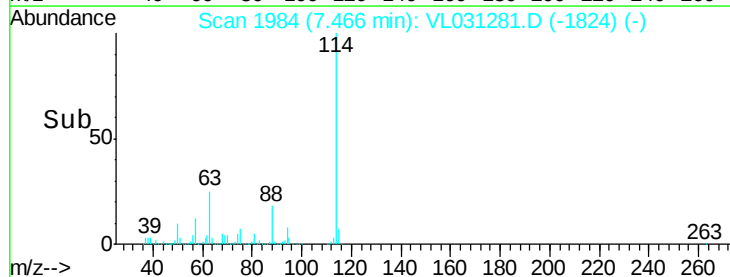
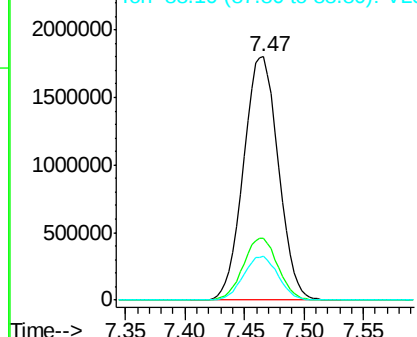
114 100

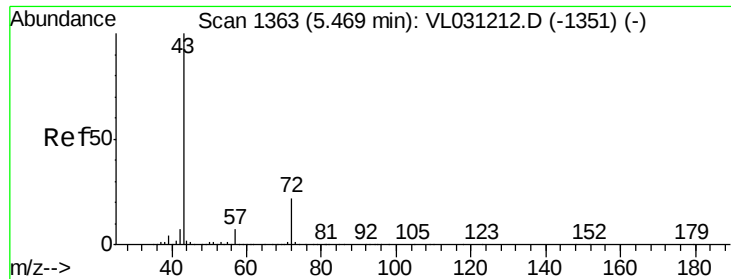
63 25.5 19.8 29.8

88 17.9 14.2 21.4



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

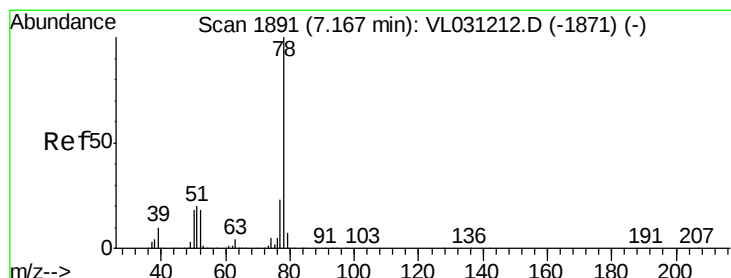
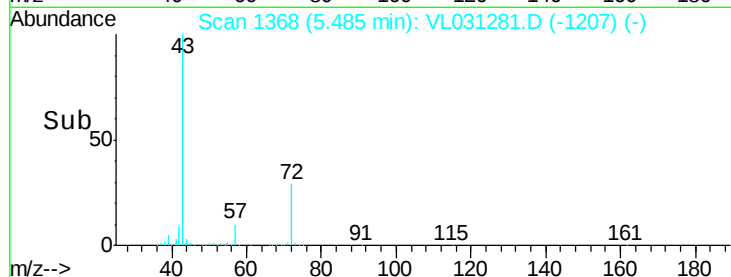
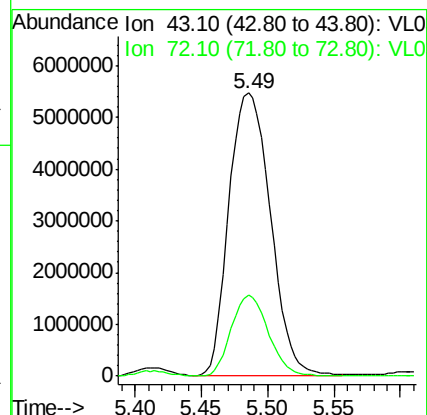
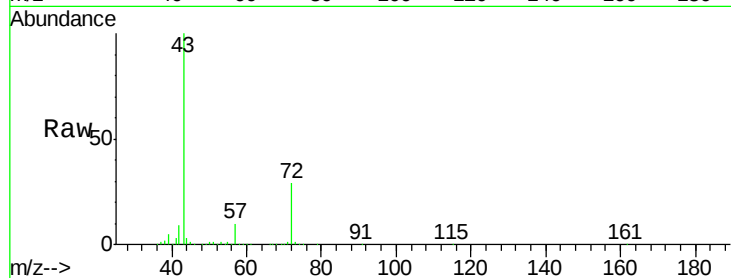




#34
2-Butanone
Concen: 46.18 ppbv
RT: 5.49 min Scan# 1368
Delta R.T. 0.02 min
Lab File: VL031281.D
Acq: 20 Dec 2017 22:40

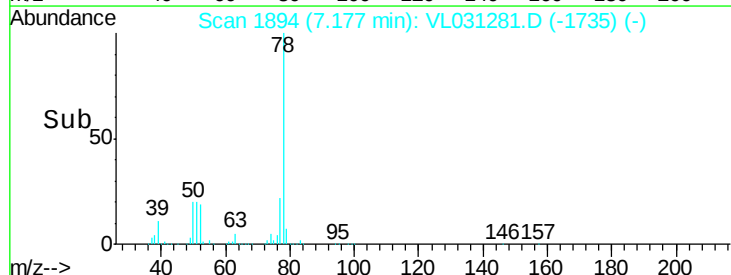
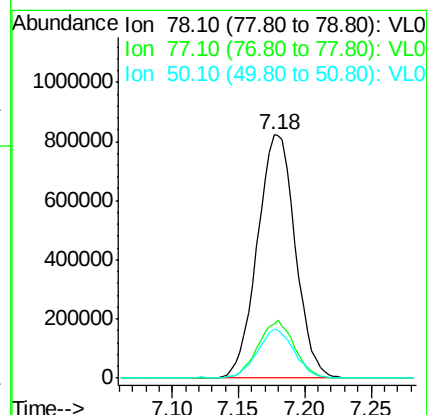
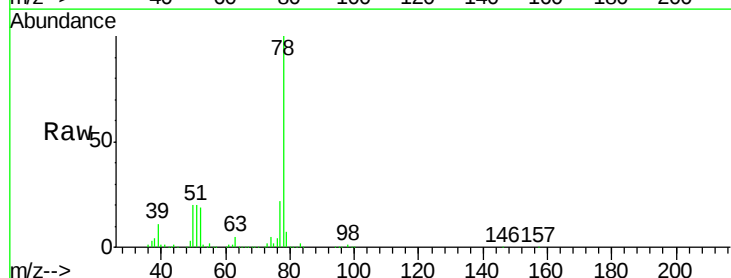
Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-4

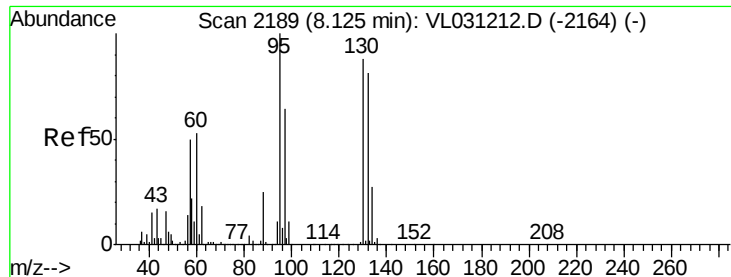
Tgt Ion: 43 Resp:11922806
Ion Ratio Lower Upper
43 100
72 25.7 18.1 27.1



#36
Benzene
Concen: 4.23 ppbv
RT: 7.18 min Scan# 1894
Delta R.T. 0.01 min
Lab File: VL031281.D
Acq: 20 Dec 2017 22:40

Tgt Ion: 78 Resp: 1640258
Ion Ratio Lower Upper
78 100
77 22.2 18.1 27.1
50 20.2 14.6 21.8

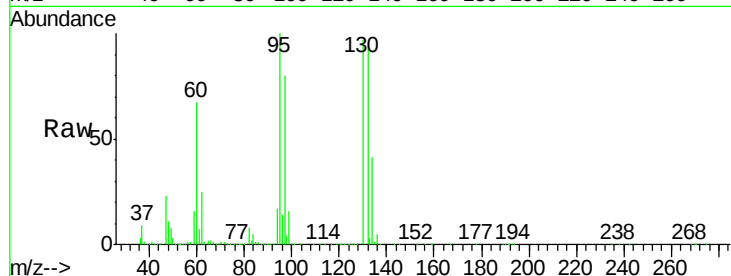




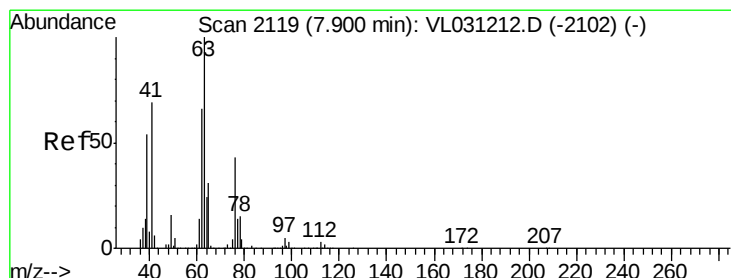
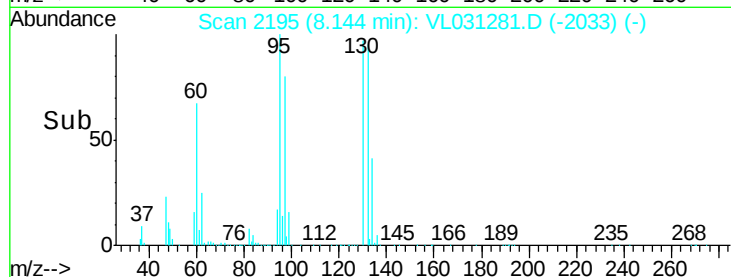
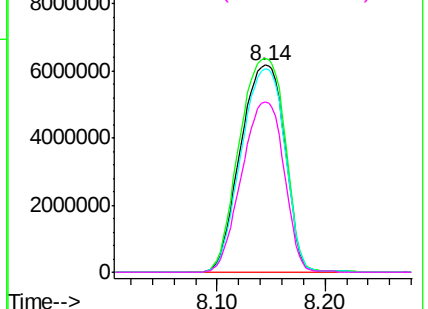
#38
 Trichloroethene
 Concen: 116.61 ppbv
 RT: 8.14 min Scan# 2195
 Delta R.T. 0.02 min
 Lab File: VL031281.D
 Acq: 20 Dec 2017 22:40

Instrument :
 MSVOA_L
 ClientSampleID :
 EP1-SV-4

Tgt Ion:130 Resp:17622349
 Ion Ratio Lower Upper
 130 100
 95 103.3 90.6 135.8
 132 98.4 73.5 110.3
 97 82.6 57.8 86.8

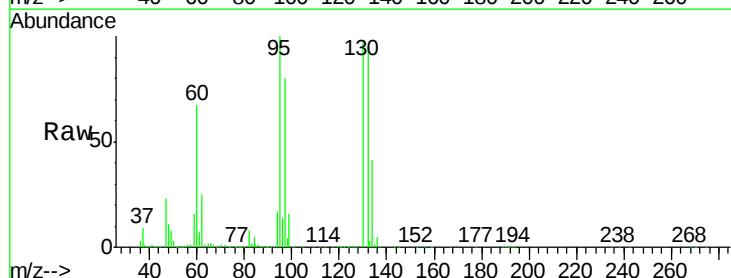


Abundance Ion 130.00 (129.70 to 130.70): V
 1e+07
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0

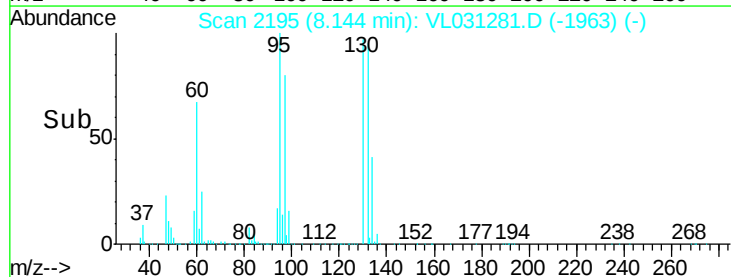
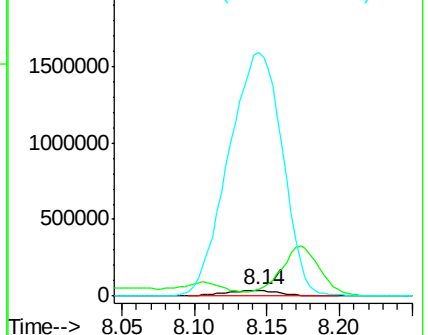


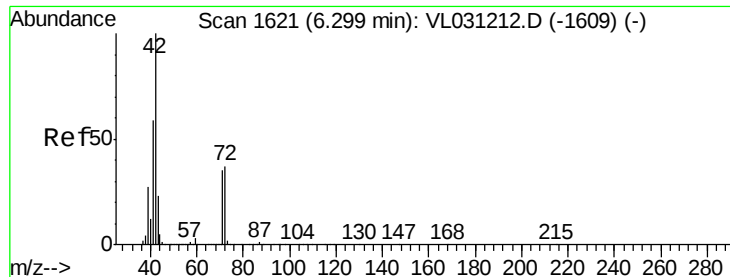
#39
 1,2-Dichloropropane
 Concen: 0.71 ppbv
 RT: 8.14 min Scan# 2195
 Delta R.T. 0.24 min
 Lab File: VL031281.D
 Acq: 20 Dec 2017 22:40

Tgt Ion: 63 Resp: 97188
 Ion Ratio Lower Upper
 63 100
 41 0.0 55.2 82.8#
 62 4310.8 53.0 79.4#



Abundance Ion 63.10 (62.80 to 63.80): VL0
 2000000
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.05 ppbv

RT: 6.32 min Scan# 1629

Delta R.T. 0.03 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-4

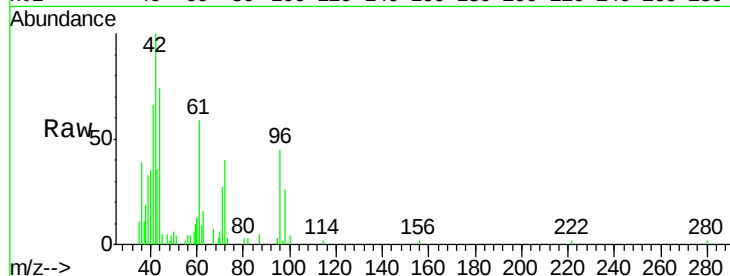
Tgt Ion: 42 Resp: 7785

Ion Ratio Lower Upper

42 100

72 0.0 30.2 45.4#

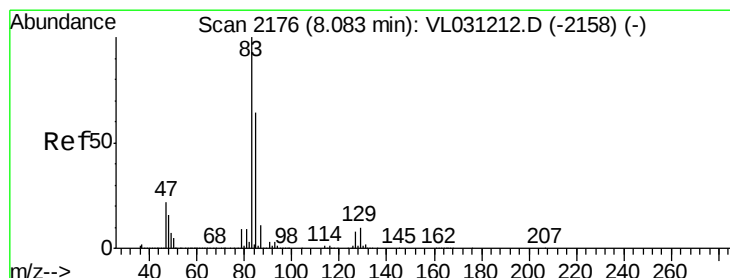
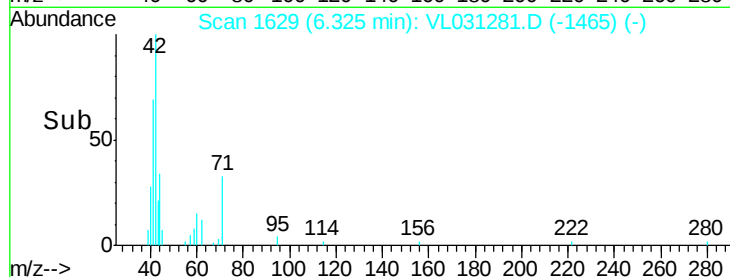
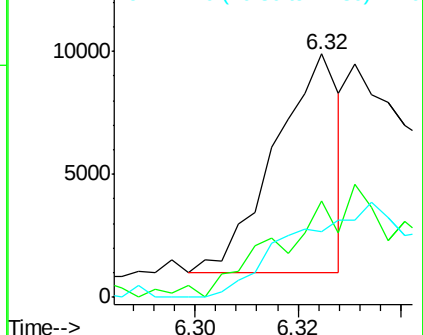
71 0.0 29.0 43.6#



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: 1.52 ppbv

RT: 8.14 min Scan# 2195

Delta R.T. 0.06 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

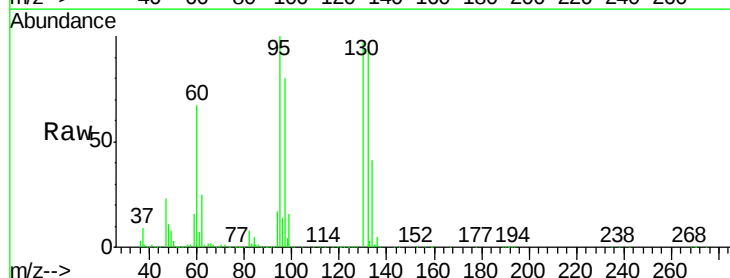
Tgt Ion: 83 Resp: 383352

Ion Ratio Lower Upper

83 100

85 60.0 51.5 77.3

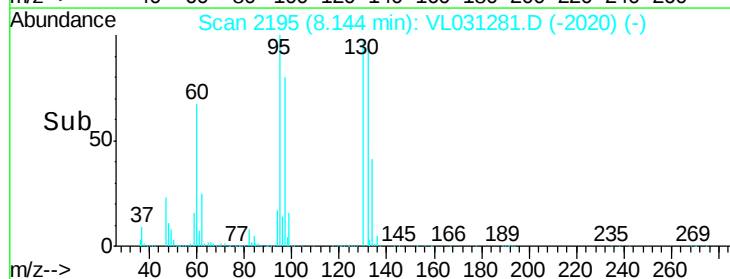
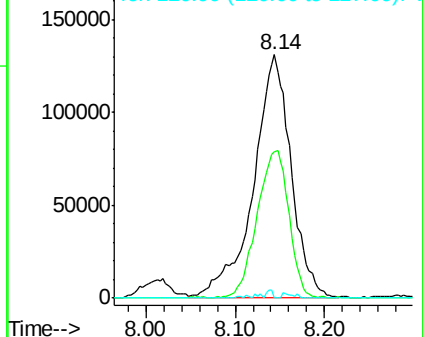
127 2.8 6.5 9.7#

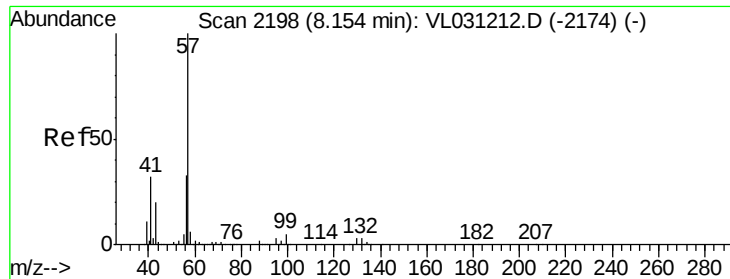


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

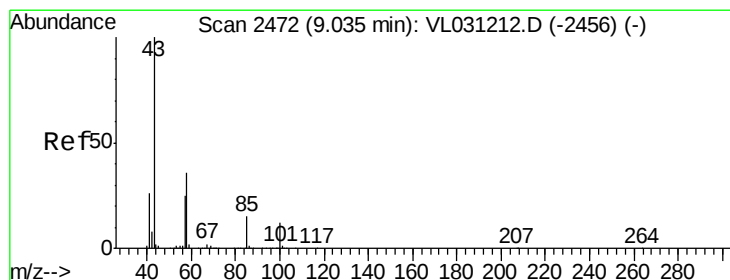
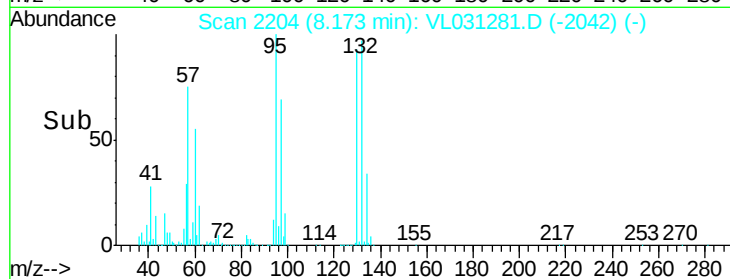
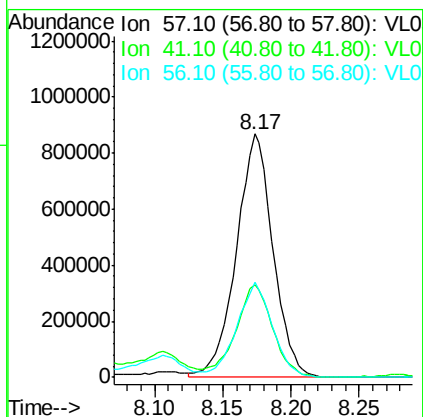
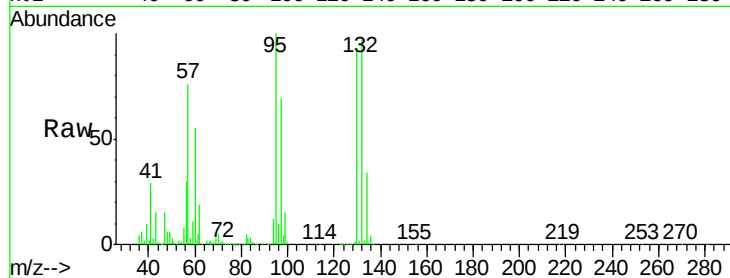




#44
 2,2,4-Trimethylpentane
 Concen: 2.75 ppbv
 RT: 8.17 min Scan# 2204
 Delta R.T. 0.02 min
 Lab File: VL031281.D
 Acq: 20 Dec 2017 22:40

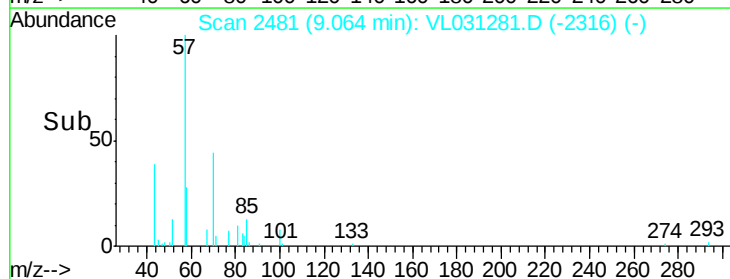
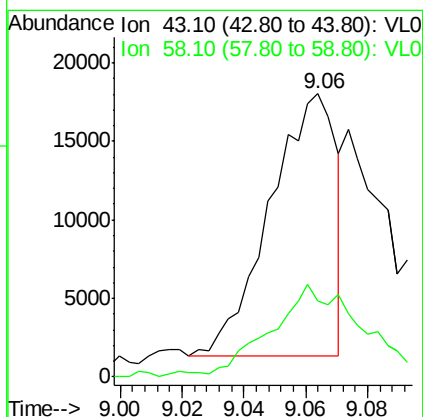
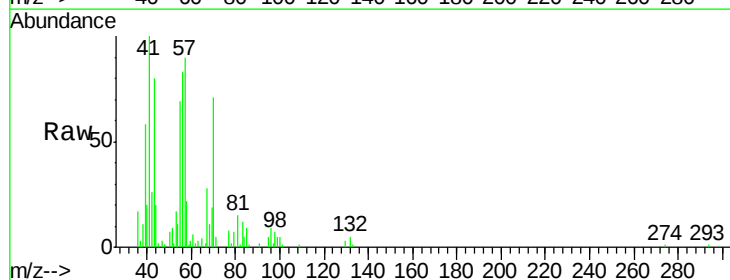
Instrument :
 MSVOA_L
 ClientSampleId :
 EP1-SV-4

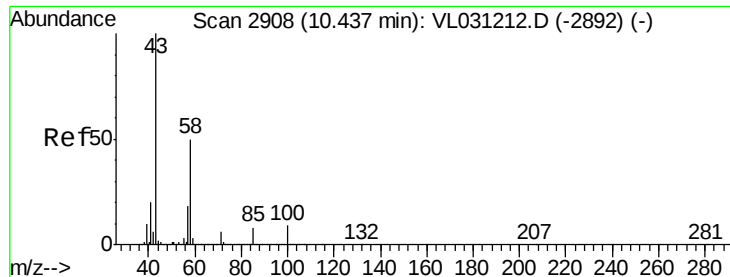
Tgt Ion: 57 Resp: 1609685
 Ion Ratio Lower Upper
 57 100
 41 38.5 25.5 38.3#
 56 38.3 25.0 37.6#



#50
 4-Methyl-2-Pentanone
 Concen: 0.08 ppbv
 RT: 9.06 min Scan# 2481
 Delta R.T. 0.03 min
 Lab File: VL031281.D
 Acq: 20 Dec 2017 22:40

Tgt Ion: 43 Resp: 24707
 Ion Ratio Lower Upper
 43 100
 58 51.7 28.8 43.2#





#51

2-Hexanone

Concen: 6.06 ppbv

RT: 10.46 min Scan# 2915

Delta R.T. 0.02 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-4

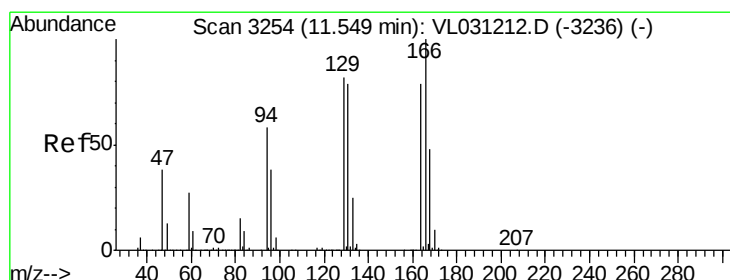
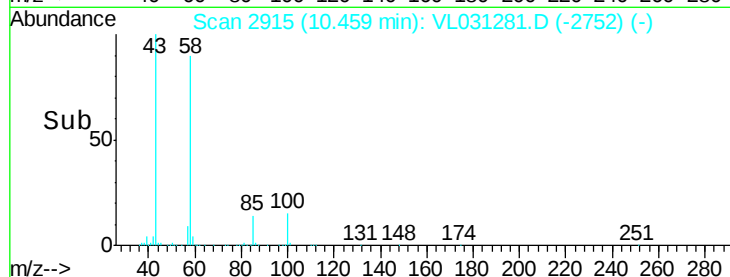
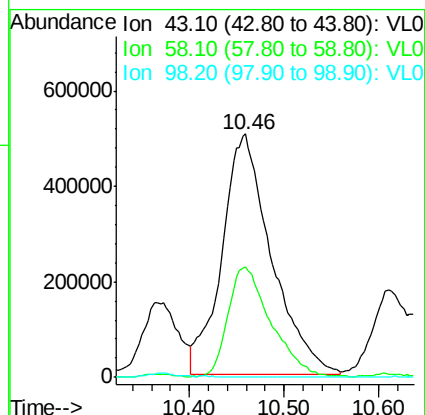
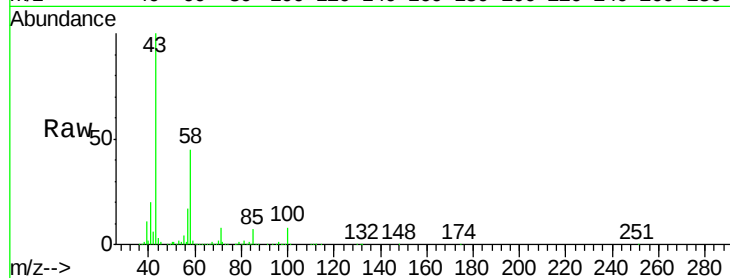
Tgt Ion: 43 Resp: 1827246

Ion Ratio Lower Upper

43 100

58 39.8 39.8 59.6

98 0.2 0.0 0.0#



#52

Tetrachloroethene

Concen: 311.41 ppbv

RT: 11.66 min Scan# 3288

Delta R.T. 0.11 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

Tgt Ion: 164 Resp: 44511459

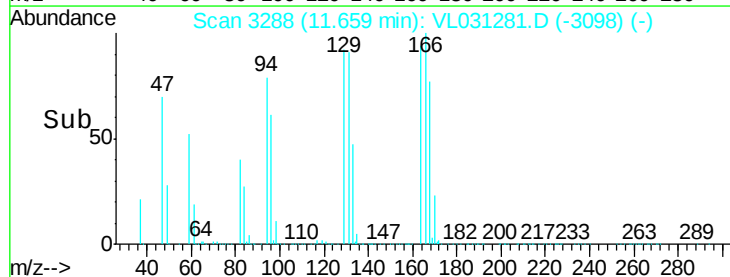
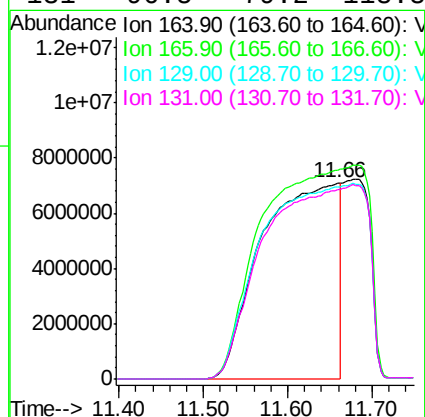
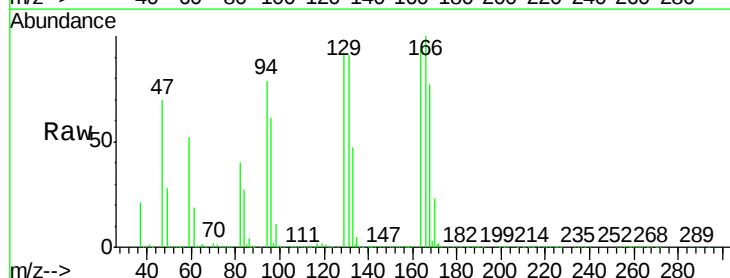
Ion Ratio Lower Upper

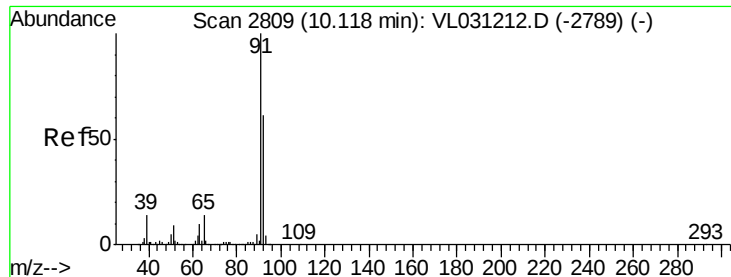
164 100

166 106.0 100.6 151.0

129 97.8 82.9 124.3

131 96.5 79.2 118.8





#53

Toluene

Concen: 1.34 ppbv

RT: 10.13 min Scan# 2813

Delta R.T. 0.01 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

Instrument :

MSVOA_L

ClientSampleId :

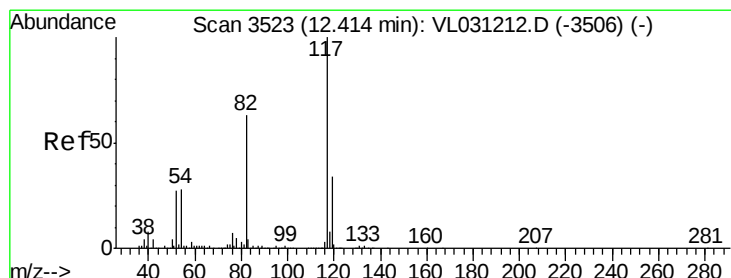
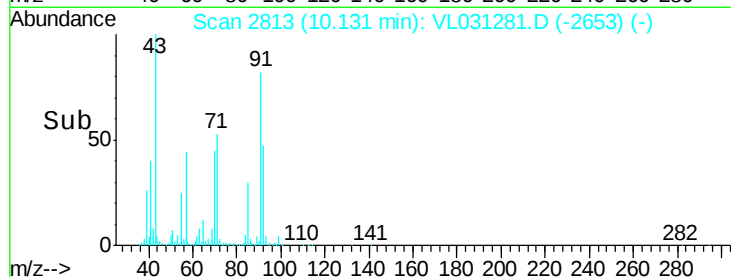
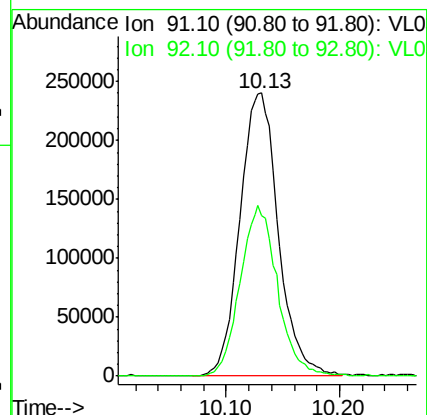
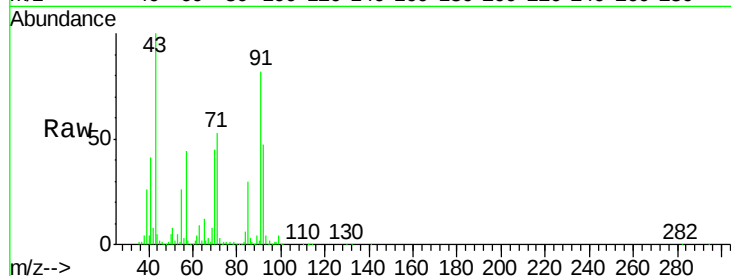
EP1-SV-4

Tgt Ion: 91 Resp: 564181

Ion Ratio Lower Upper

91 100

92 59.1 49.1 73.7



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.44 min Scan# 3532

Delta R.T. 0.03 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

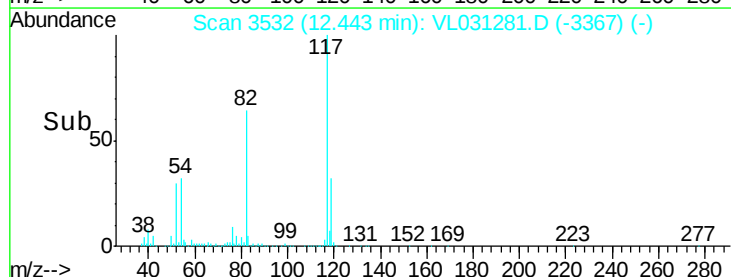
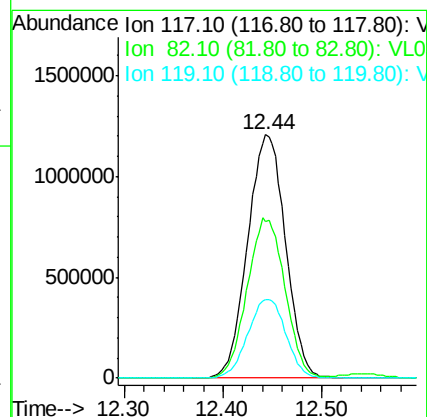
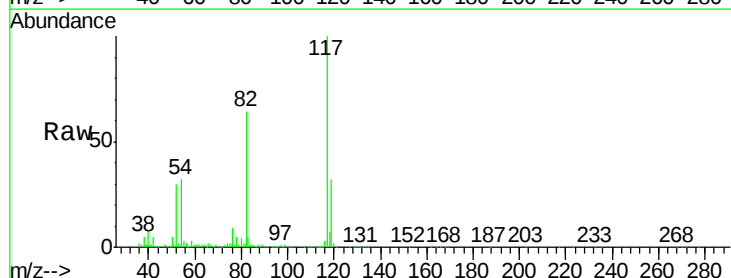
Tgt Ion: 117 Resp: 3196331

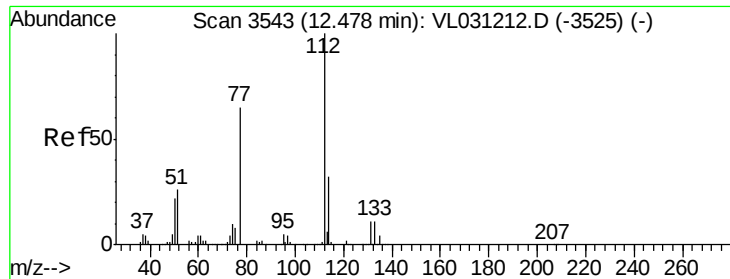
Ion Ratio Lower Upper

117 100

82 65.6 48.1 72.1

119 32.7 23.1 34.7





#57

Chlorobenzene

Concen: 0.04 ppbv

RT: 12.51 min Scan# 3553

Delta R.T. 0.03 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-4

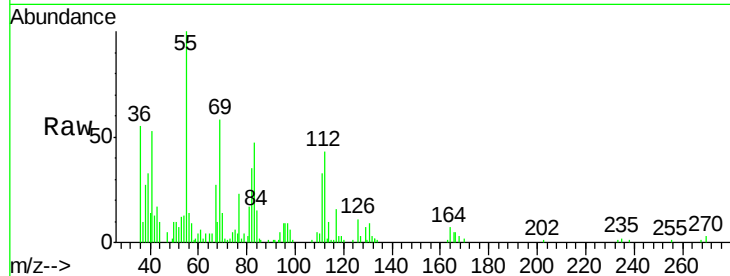
Tgt Ion: 112 Resp: 13398

Ion Ratio Lower Upper

112 100

77 8.0 52.9 79.3#

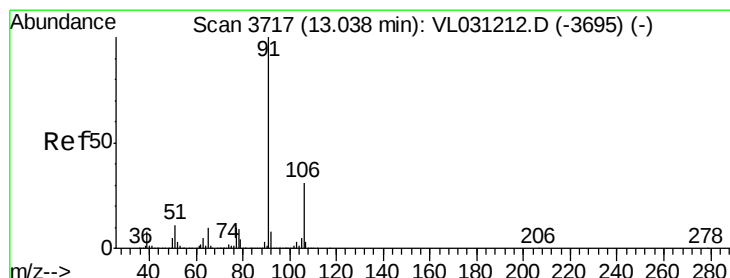
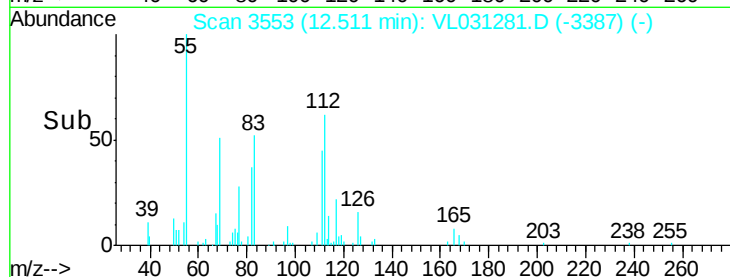
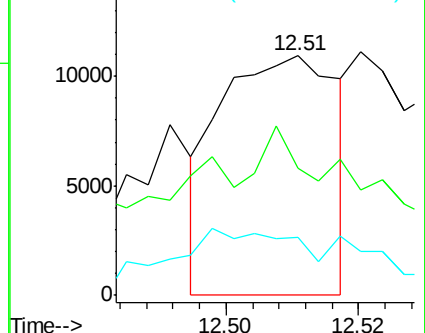
114 17.7 29.1 35.5#



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 0.47 ppbv

RT: 13.07 min Scan# 3727

Delta R.T. 0.03 min

Lab File: VL031281.D

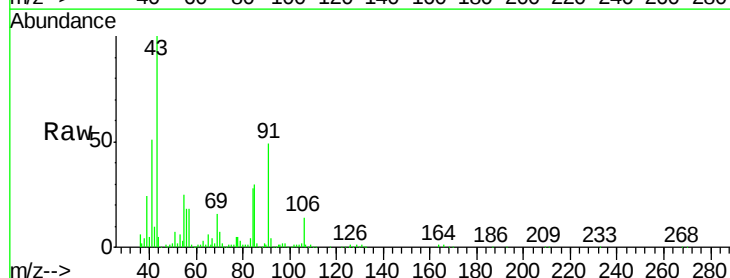
Acq: 20 Dec 2017 22:40

Tgt Ion: 91 Resp: 248246

Ion Ratio Lower Upper

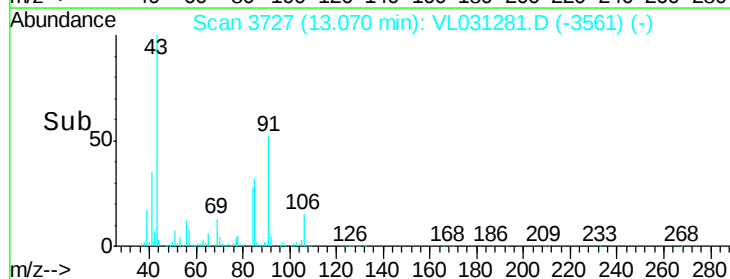
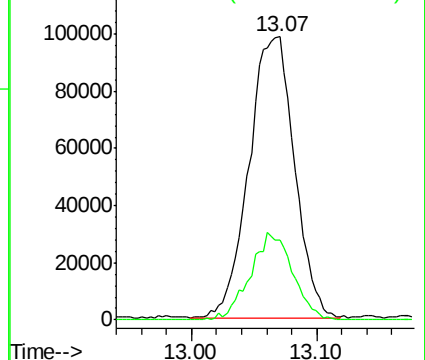
91 100

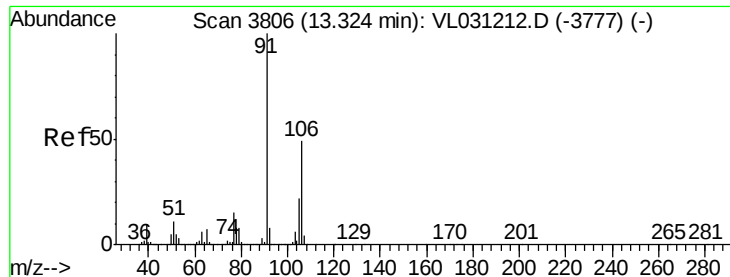
106 28.4 25.1 37.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

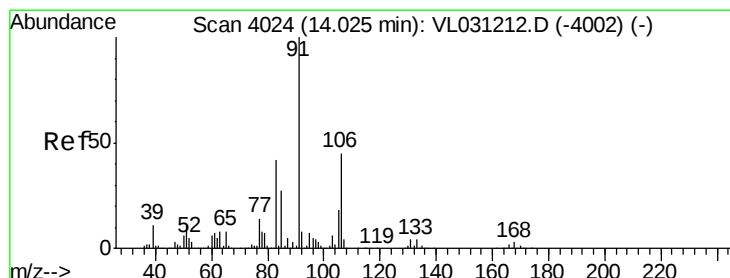
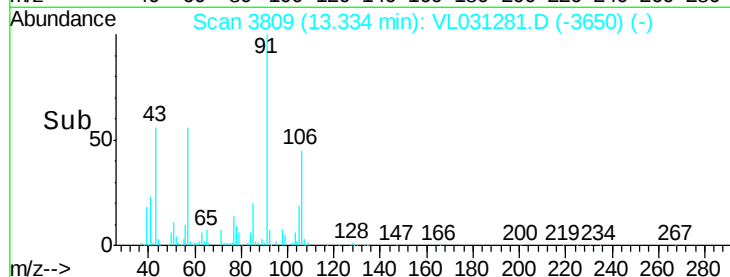
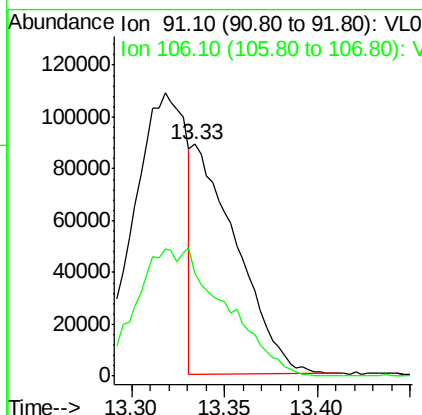
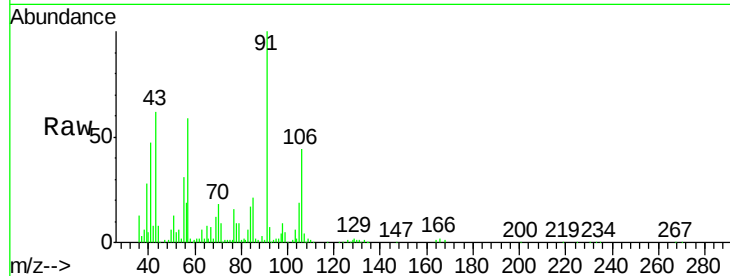




#59
m/p-Xylene
Concen: 0.35 ppbv
RT: 13.33 min Scan# 3809
Delta R.T. 0.01 min
Lab File: VL031281.D
Acq: 20 Dec 2017 22:40

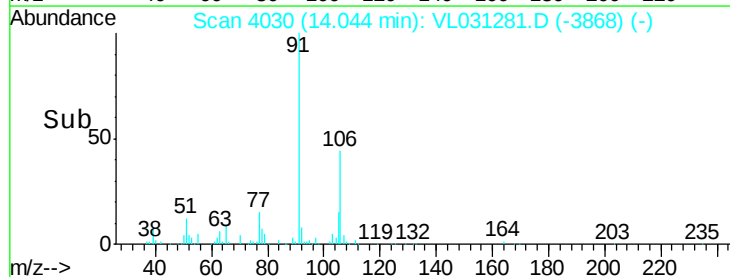
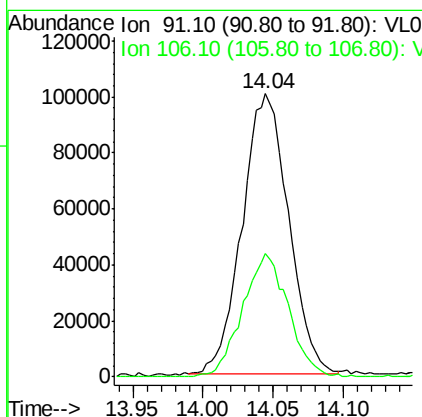
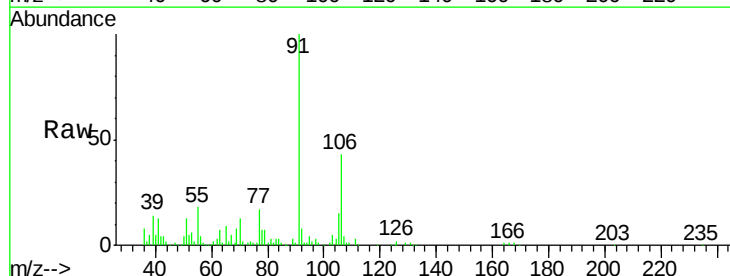
Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-4

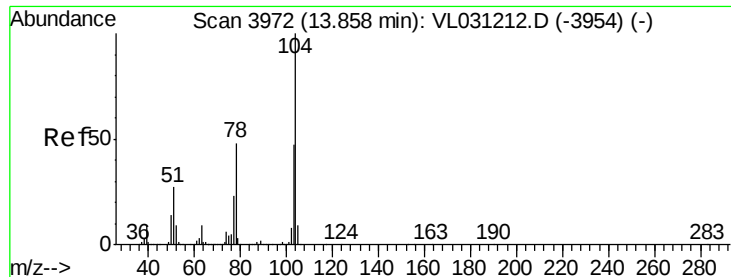
Tgt Ion: 91 Resp: 146288
Ion Ratio Lower Upper
91 100
106 112.9 38.5 57.7#



#60
o-Xylene
Concen: 0.54 ppbv
RT: 14.04 min Scan# 4030
Delta R.T. 0.02 min
Lab File: VL031281.D
Acq: 20 Dec 2017 22:40

Tgt Ion: 91 Resp: 229128
Ion Ratio Lower Upper
91 100
106 43.8 22.7 68.1





#61

Styrene

Concen: 0.43 ppbv

RT: 13.88 min Scan# 3978

Delta R.T. 0.02 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-4

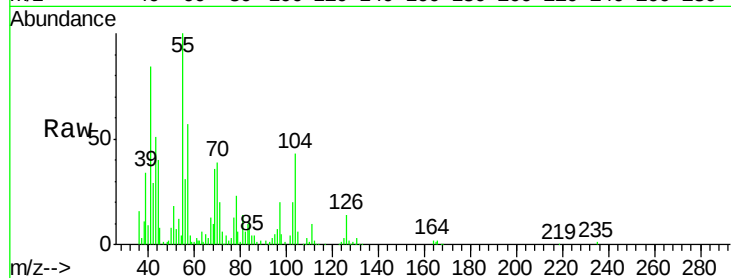
Tgt Ion:104 Resp: 53018

Ion Ratio Lower Upper

104 100

78 56.1 39.1 58.7

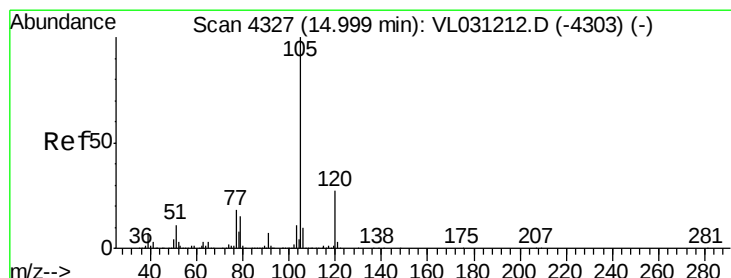
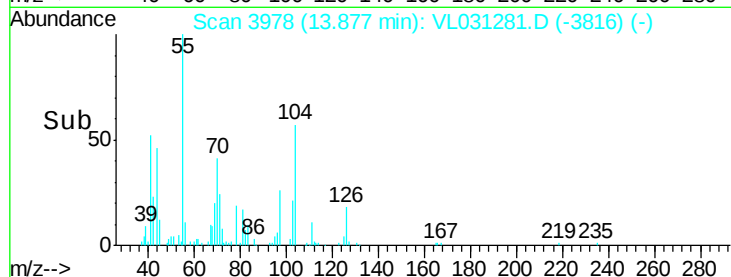
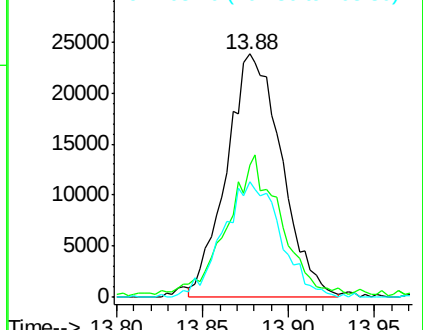
103 50.1 37.3 55.9



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: 0.17 ppbv

RT: 15.02 min Scan# 4332

Delta R.T. 0.02 min

Lab File: VL031281.D

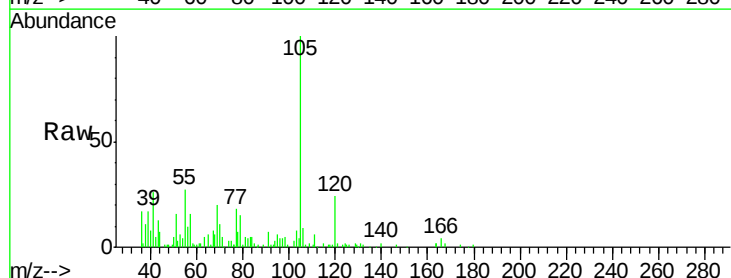
Acq: 20 Dec 2017 22:40

Tgt Ion:105 Resp: 92798

Ion Ratio Lower Upper

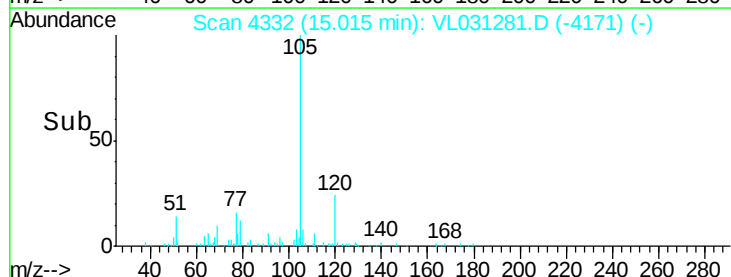
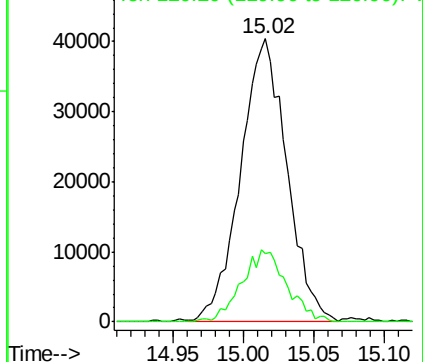
105 100

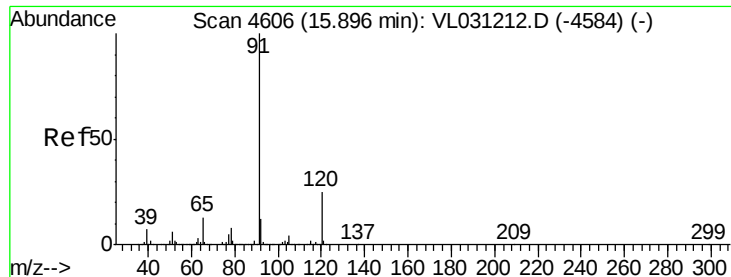
120 24.7 21.0 31.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.20 ppbv

RT: 15.91 min Scan# 4610

Delta R.T. 0.01 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

Instrument :

MSVOA_L

ClientSampleId :

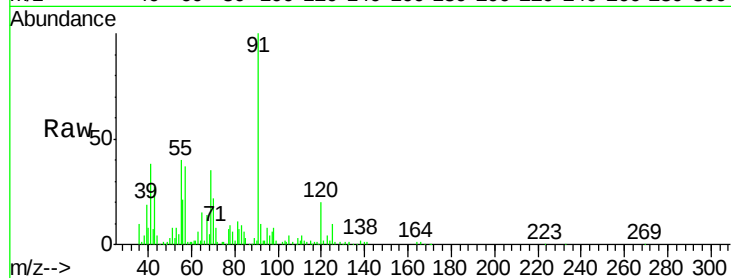
EP1-SV-4

Tgt Ion:120 Resp: 29690

Ion Ratio Lower Upper

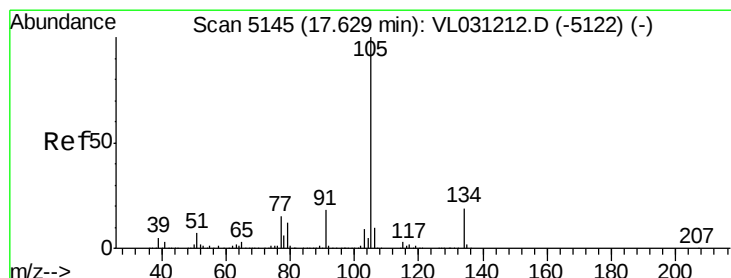
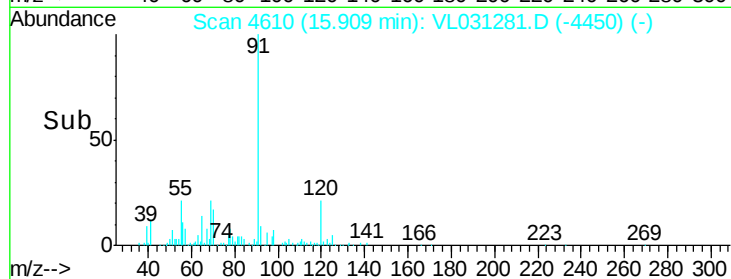
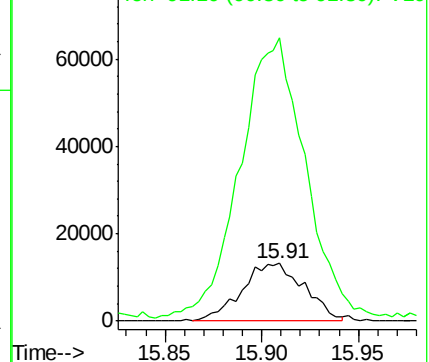
120 100

91 512.4 352.1 528.1



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#67

sec-Butylbenzene

Concen: 0.05 ppbv

RT: 17.64 min Scan# 5147

Delta R.T. 0.01 min

Lab File: VL031281.D

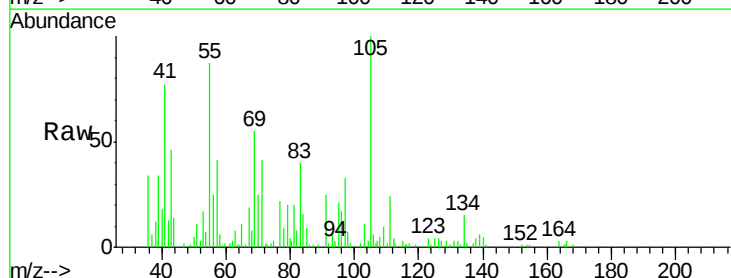
Acq: 20 Dec 2017 22:40

Tgt Ion:105 Resp: 34654

Ion Ratio Lower Upper

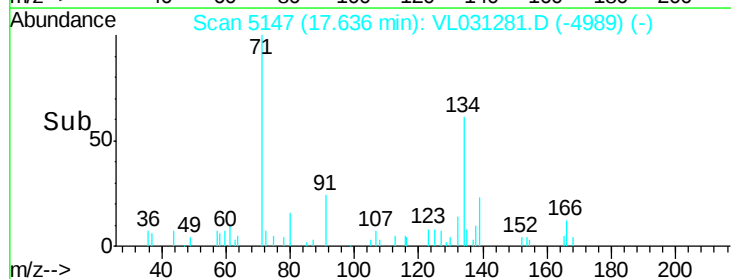
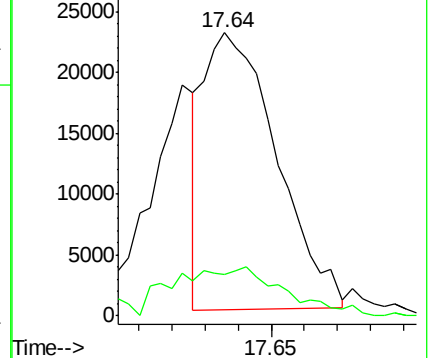
105 100

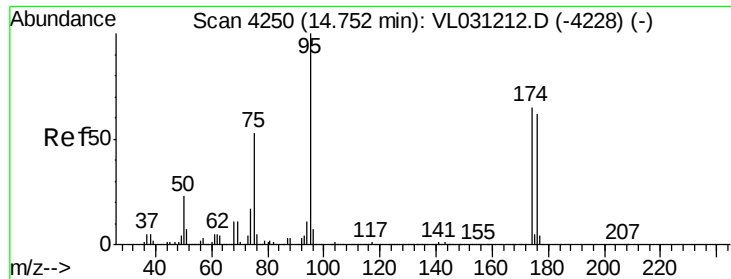
134 28.9 15.3 22.9#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

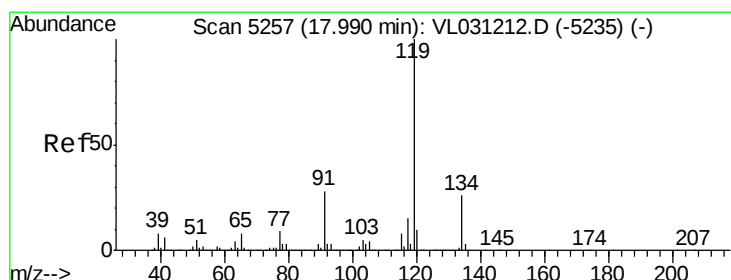
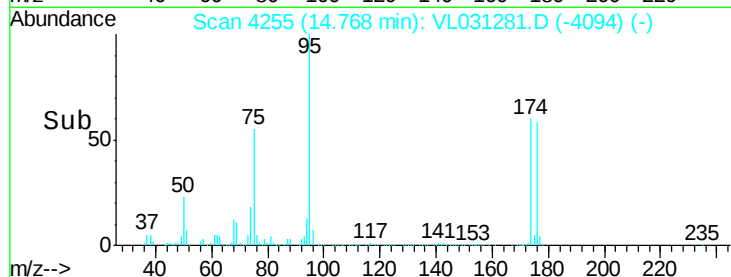
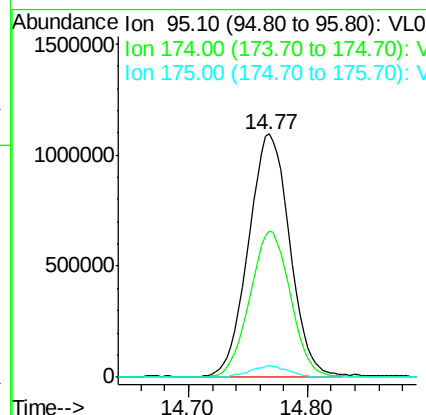
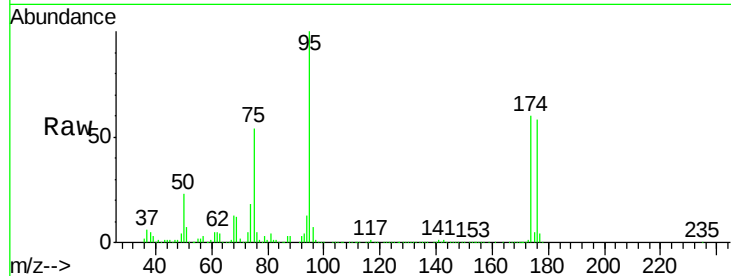




#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.54 ppbv
 RT: 14.77 min Scan# 4255
 Delta R.T. 0.02 min
 Lab File: VL031281.D
 Acq: 20 Dec 2017 22:40

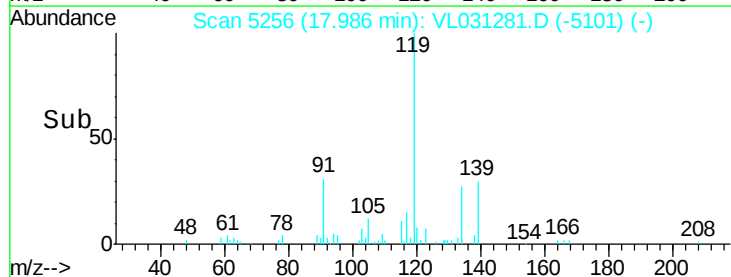
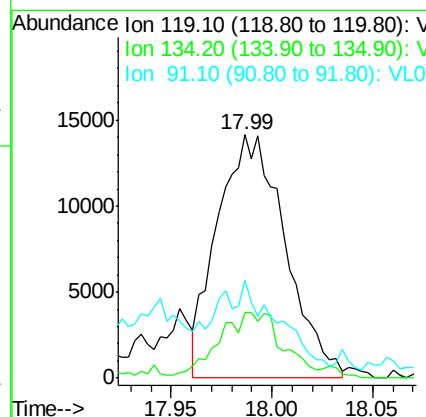
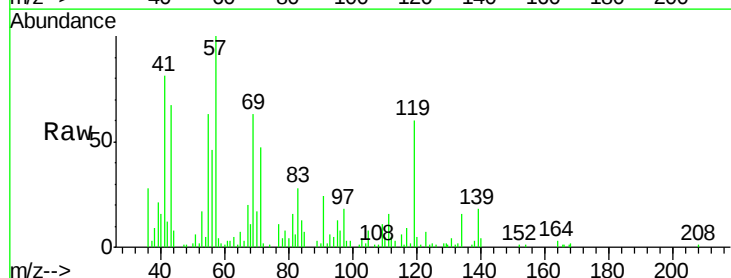
Instrument :
 MSVOA_L
 ClientSampleId :
 EP1-SV-4

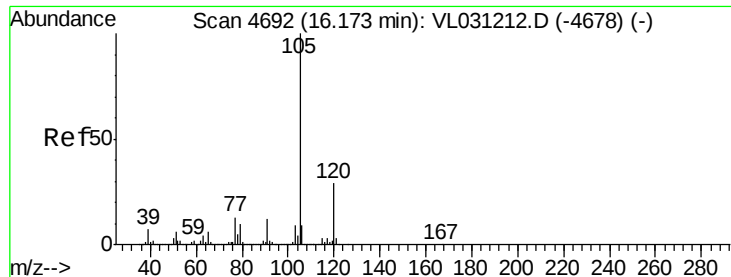
Tgt Ion: 95 Resp: 2624360
 Ion Ratio Lower Upper
 95 100
 174 59.8 52.5 78.7
 175 4.5 4.1 6.1



#69
 p-Isopropyltoluene
 Concen: 0.06 ppbv
 RT: 17.99 min Scan# 5256
 Delta R.T. -0.00 min
 Lab File: VL031281.D
 Acq: 20 Dec 2017 22:40

Tgt Ion: 119 Resp: 33090
 Ion Ratio Lower Upper
 119 100
 134 27.2 20.7 31.1
 91 31.6 22.3 33.5





#72

4-Ethyltoluene

Concen: 0.18 ppbv

RT: 16.18 min Scan# 4695

Delta R.T. 0.01 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

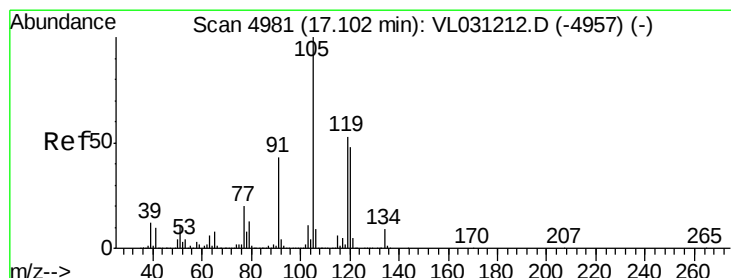
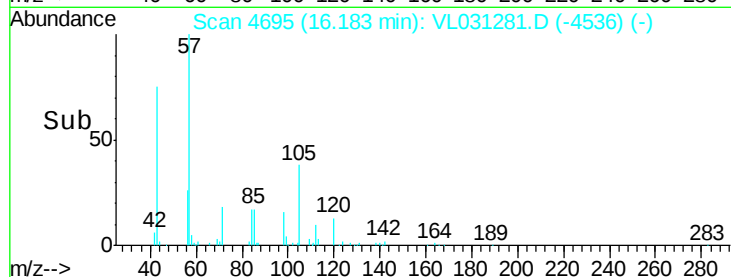
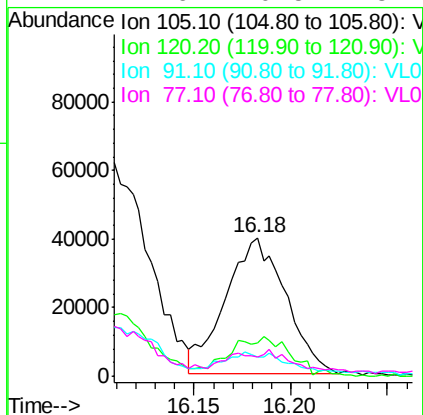
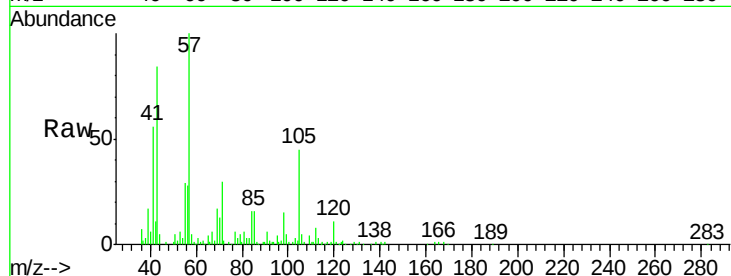
Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-4

Tgt Ion:	105	Resp:	85377
Ion	Ratio	Lower	Upper
105	100		
120	29.5	24.2	36.2
91	17.8	9.8	14.8#
77	17.6	10.5	15.7#



#74

1,2,4-Trimethylbenzene

Concen: 0.20 ppbv

RT: 17.11 min Scan# 4983

Delta R.T. 0.01 min

Lab File: VL031281.D

Acq: 20 Dec 2017 22:40

Tgt Ion:	105	Resp:	85221
Ion	Ratio	Lower	Upper
105	100		
120	39.3	38.6	58.0
91	1.3	34.2	51.4#
77	0.0	16.1	24.1#

