

Data File : VL032351.D
Acq On : 15 Aug 2018 11:56
Operator : SY/AP
Sample : VSTDIC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Quant Time: Aug 15 12:42:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 11:44:08 2018
QLast Update : Wed Aug 15 11:44:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	2285545	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.35	114	4886018	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.31	117	4620083	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.64	95	3554897	9.91	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.12	85	179098	0.650	ppbv	98
3) Chlorodifluoromethane	3.05	51	114438	0.501	ppbv	98
4) Chloromethane	3.21	50	70032	0.506	ppbv	96
5) Vinyl Chloride	3.33	62	62726	0.499	ppbv	96
6) Bromomethane	3.56	94	34071	0.493	ppbv	90
7) Chloroethane	3.65	64	23269	0.520	ppbv	94
8) Dichlorotetrafluoroethane	3.26	85	149596	0.537	ppbv	98
9) Propene	3.07	41	42812	0.417	ppbv	99
10) Heptane	8.31	43	125558	0.348	ppbv	98
11) Trichlorofluoromethane	4.05	101	145409	0.552	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.60	101	95418	0.531	ppbv	94
13) Ethanol	3.70	45	10165	0.344	ppbv	83
14) Bromoethene	3.83	108	41552	0.527	ppbv #	96
15) Acetone	3.96	43	127717	0.593	ppbv	97
16) 1,3-Butadiene	3.40	39	13360	0.120	ppbv #	3
17) tert-Butyl alcohol	4.40	59	2483	0.036	ppbv #	73
18) 1,1-Dichloroethene	4.40	96	42795	0.513	ppbv	96
19) Isopropyl Alcohol	4.09	45	38092	0.265	ppbv #	77
20) Methylene Chloride	4.46	84	50903	0.588	ppbv	90
21) Allyl Chloride	4.53	41	66012	0.449	ppbv	96
22) trans-1,2-Dichloroethene	5.01	96	38268	0.476	ppbv #	83
23) Vinyl Acetate	5.21	43	164526	0.426	ppbv #	95
24) 1,1-Dichloroethane	5.14	63	135551	0.489	ppbv	96
25) Ethyl Acetate	5.83	43	230363	0.477	ppbv	98
26) Hexane	5.84	57	97972	0.448	ppbv	89
27) Carbon Disulfide	4.67	76	96975	0.488	ppbv #	89
28) Methyl tert-Butyl Ether	5.18	73	121189	0.410	ppbv	98
29) Chloroform	5.90	83	159262	0.501	ppbv	89
30) Cyclohexane	7.31	84	37269	0.218	ppbv #	1
31) cis-1,2-Dichloroethene	5.69	61	93650	0.462	ppbv	95
32) 1,1,1-Trichloroethane	6.68	97	149978	0.533	ppbv	99
34) 2-Butanone	5.40	43	153155	0.484	ppbv	99
35) Carbon Tetrachloride	7.20	117	144573	0.521	ppbv	90
36) Benzene	7.07	78	189985	0.441	ppbv	98
37) 1,2-Dichloroethane	6.47	62	80323	0.323	ppbv #	91
38) Trichloroethene	8.03	130	65180	0.392	ppbv	96
39) 1,2-Dichloropropane	7.80	63	82356	0.380	ppbv	95
41) Tetrahydrofuran	6.23	42	70026	0.391	ppbv	98
42) Bromodichloromethane	7.98	83	157302	0.390	ppbv	96
43) Methyl Methacrylate	8.21	69	64501	0.312	ppbv	99
44) 2,2,4-Trimethylpentane	8.06	57	331000	0.354	ppbv	94

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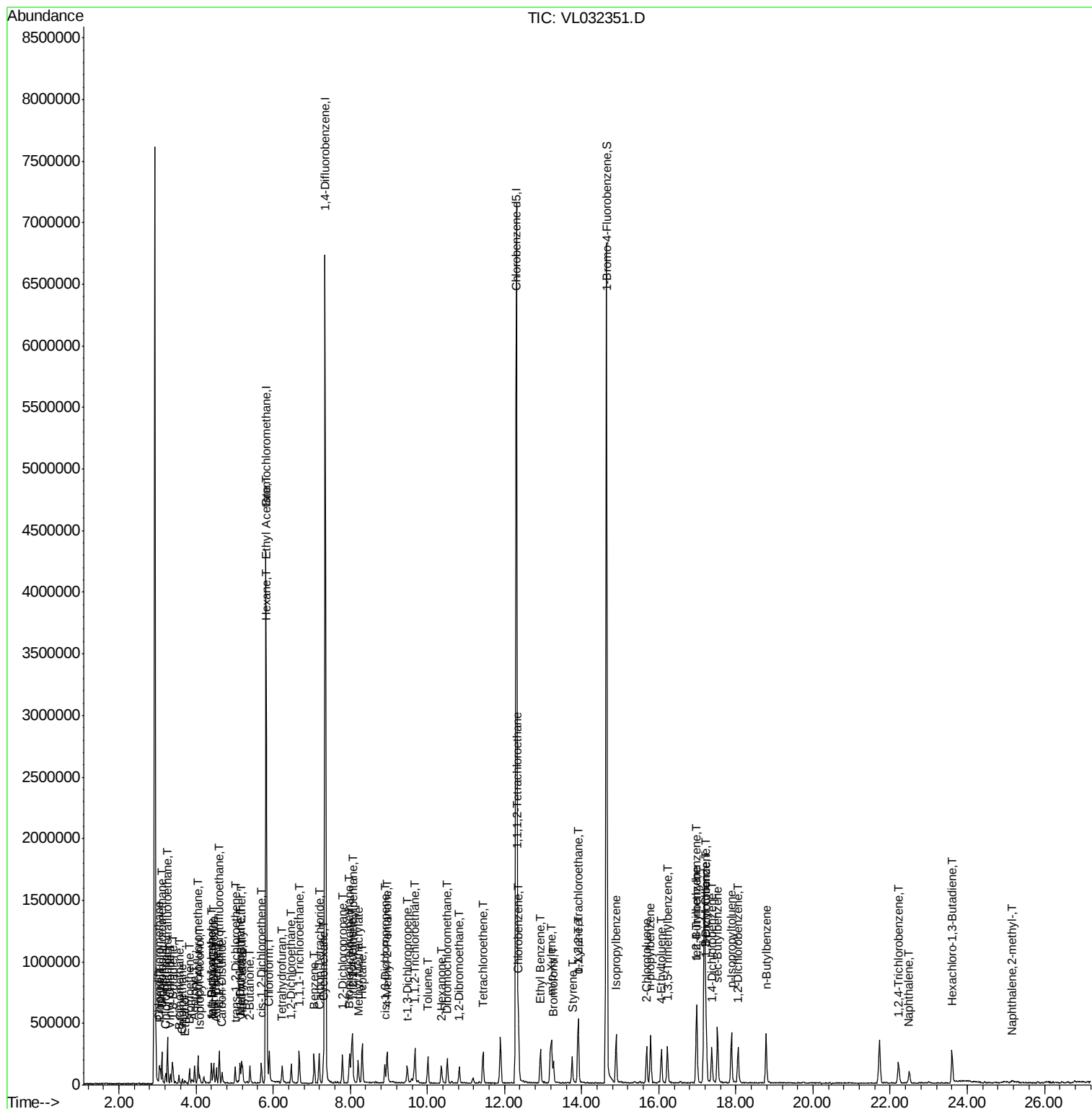
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.48	75	41601	0.174	ppbv	97
46) cis-1,3-Dichloropropene	8.90	75	89950	0.306	ppbv	96
47) 1,1,2-Trichloroethane	9.68	97	92749	0.440	ppbv	98
48) Dibromochloromethane	10.51	129	115511	0.372	ppbv	98
49) Bromoform	13.27	173	90428	0.354	ppbv	97
50) 4-Methyl-2-Pentanone	8.95	43	206748	0.371	ppbv	98
51) 2-Hexanone	10.36	43	121471	0.286	ppbv #	93
52) Tetrachloroethene	11.44	164	59904	0.413	ppbv	96
53) Toluene	10.02	91	170831	0.332	ppbv	95
54) 1,2-Dibromoethane	10.83	107	109362	0.365	ppbv	91
56) 1,1,1,2-Tetrachloroethane	12.34	131	102272	0.537	ppbv #	1
57) Chlorobenzene	12.37	112	183772	0.512	ppbv #	96
58) Ethyl Benzene	12.93	91	230058	0.397	ppbv	97
59) m/p-Xylene	13.22	91	151859	0.308	ppbv #	1
60) o-Xylene	13.92	91	206490	0.427	ppbv	98
61) Styrene	13.76	104	116637	0.328	ppbv	99
62) Isopropylbenzene	14.90	105	305942	0.445	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.90	83	208382	0.530	ppbv	99
64) n-propylbenzene	15.78	120	43555	0.244	ppbv #	1
65) tert-Butylbenzene	16.97	119	254989	0.439	ppbv	99
66) Benzyl Chloride	17.22	91	73583	0.213	ppbv #	66
67) sec-Butylbenzene	17.53	105	385442	0.444	ppbv	98
69) p-Isopropyltoluene	17.88	119	272435	0.405	ppbv	98
70) n-Butylbenzene	18.78	91	296882	0.382	ppbv	95
71) 2-Chlorotoluene	15.69	91	218531	0.405	ppbv	97
72) 4-Ethyltoluene	16.07	105	203888	0.376	ppbv #	95
73) 1,3,5-Trimethylbenzene	16.22	105	209066	0.392	ppbv	94
74) 1,2,4-Trimethylbenzene	16.99	105	245349	0.436	ppbv	98
75) 1,3-Dichlorobenzene	17.23	146	168239	0.517	ppbv	95
76) 1,4-Dichlorobenzene	17.37	146	136800	0.438	ppbv	96
77) 1,2-Dichlorobenzene	18.05	146	57962	0.181	ppbv #	22
78) Hexachloro-1,3-Butadiene	23.60	225	31581	0.281	ppbv #	18
79) Naphthalene	22.48	128	32675	0.067	ppbv #	91
80) Naphthalene,2-methyl-	25.17	142	9652	0.050	ppbv	87
81) 1,2,4-Trichlorobenzene	22.21	180	30239	0.124	ppbv #	12

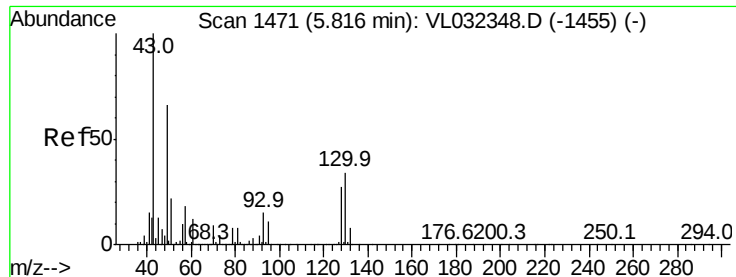
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.81 min Scan# 1470

Delta R.T. -0.02 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

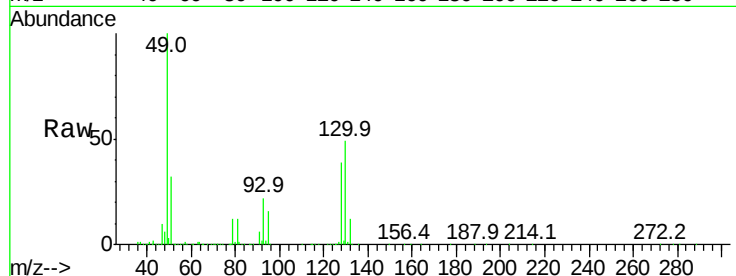
Tgt Ion: 49 Resp: 2285545

Ion Ratio Lower Upper

49 100

128 40.6 20.2 60.6

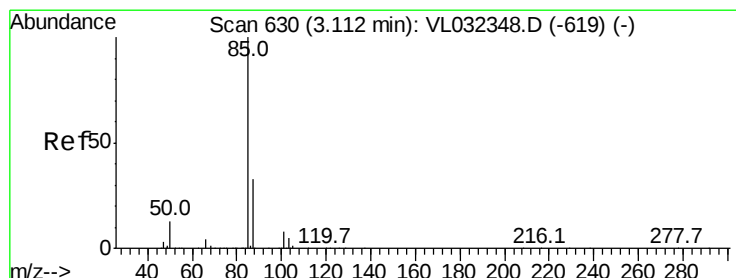
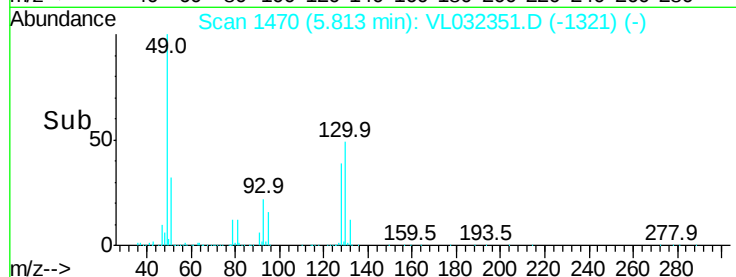
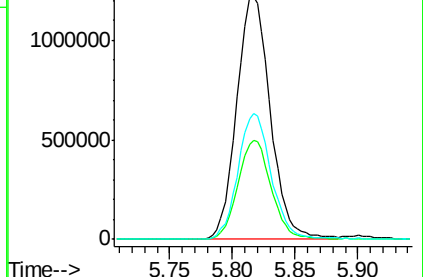
130 51.8 25.8 77.3



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: 0.650 ppbv

RT: 3.12 min Scan# 631

Delta R.T. -0.01 min

Lab File: VL032351.D

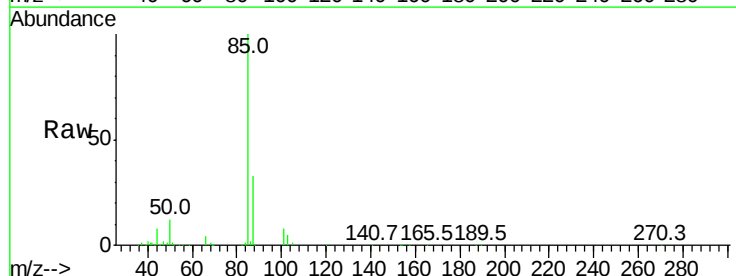
Acq: 15 Aug 2018 11:56

Tgt Ion: 85 Resp: 179098

Ion Ratio Lower Upper

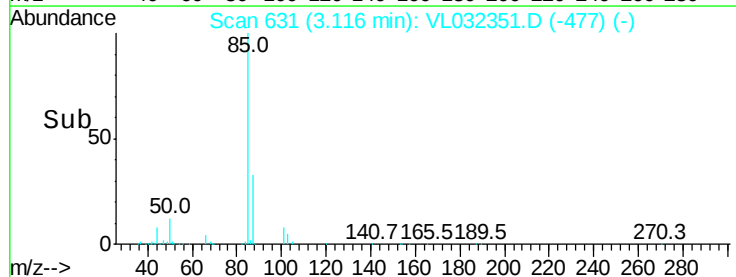
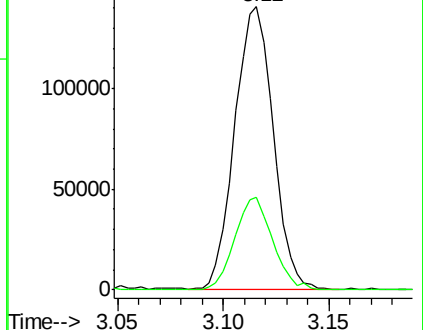
85 100

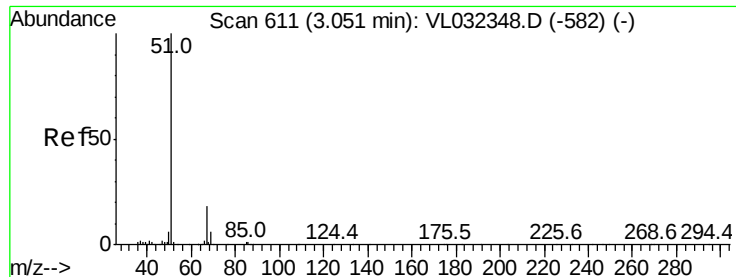
87 32.8 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.501 ppbv

RT: 3.05 min Scan# 611

Delta R.T. -0.01 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

Instrument :

MSVOA_L

ClientSampleId :

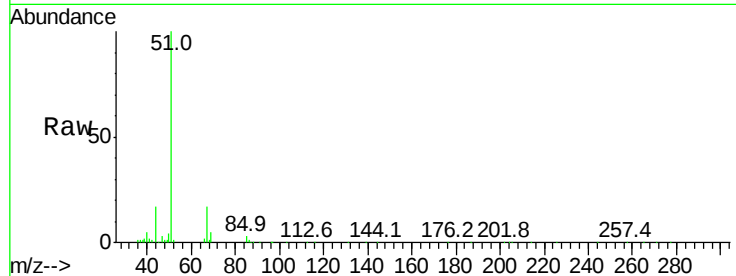
VSTDIC0.5

Tgt Ion: 51 Resp: 114438

Ion Ratio Lower Upper

51 100

67 17.8 13.5 20.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.05

100000

80000

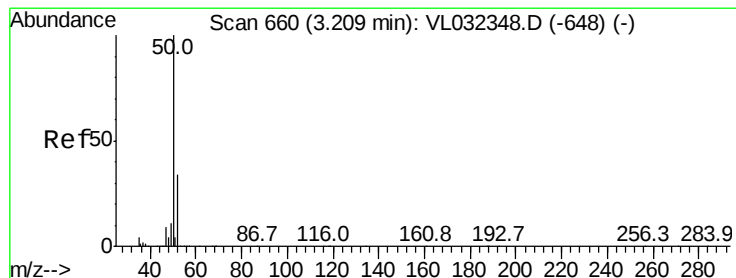
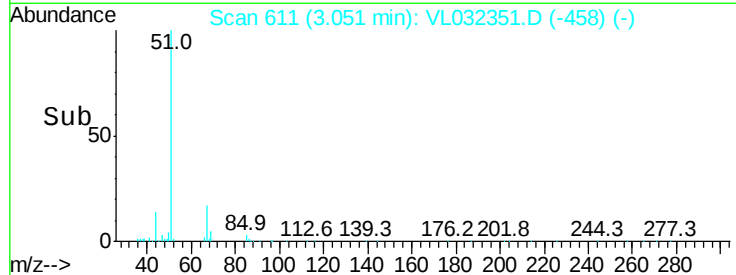
60000

40000

20000

0

Time-->



#4

Chloromethane

Concen: 0.506 ppbv

RT: 3.21 min Scan# 660

Delta R.T. -0.01 min

Lab File: VL032351.D

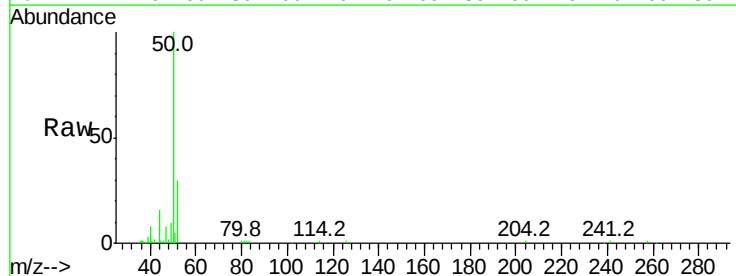
Acq: 15 Aug 2018 11:56

Tgt Ion: 50 Resp: 70032

Ion Ratio Lower Upper

50 100

52 30.3 26.2 39.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.21

50000

40000

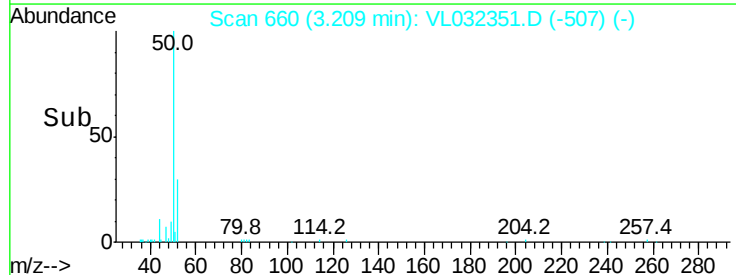
30000

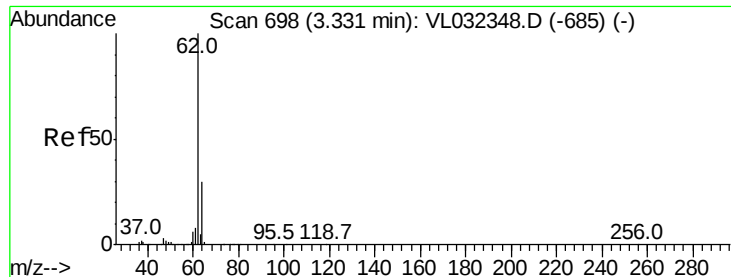
20000

10000

0

Time-->





#5

Vinyl Chloride

Concen: 0.499 ppbv

RT: 3.33 min Scan# 698

Delta R.T. -0.01 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

Instrument :

MSVOA_L

ClientSampleId :

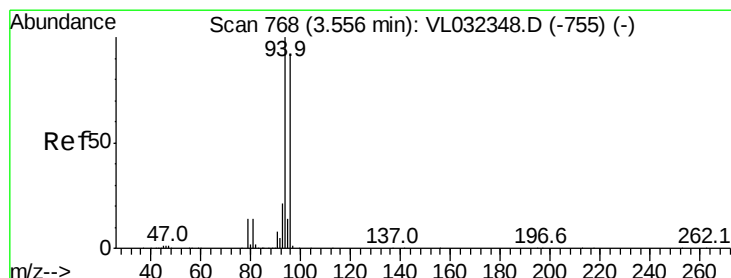
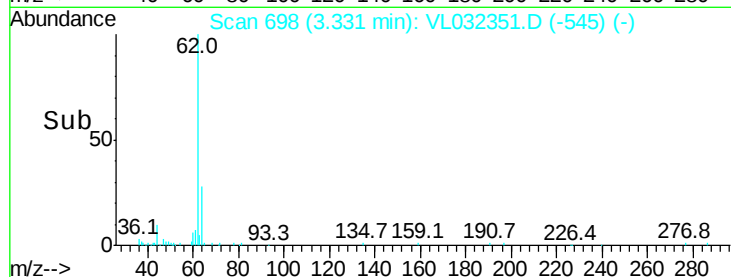
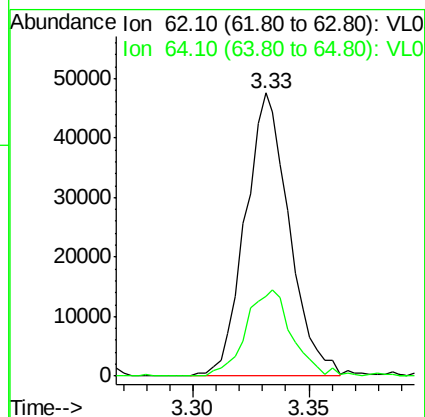
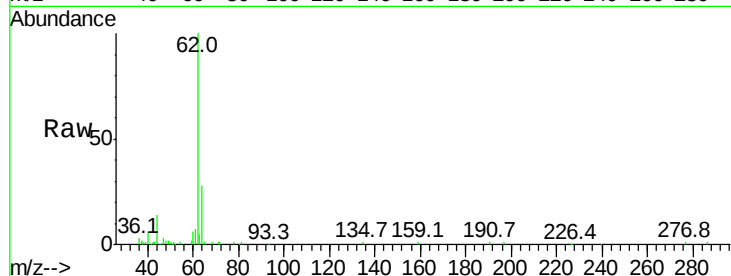
VSTDIC0.5

Tgt Ion: 62 Resp: 62726

Ion Ratio Lower Upper

62 100

64 28.1 24.1 36.1



#6

Bromomethane

Concen: 0.493 ppbv

RT: 3.56 min Scan# 769

Delta R.T. -0.01 min

Lab File: VL032351.D

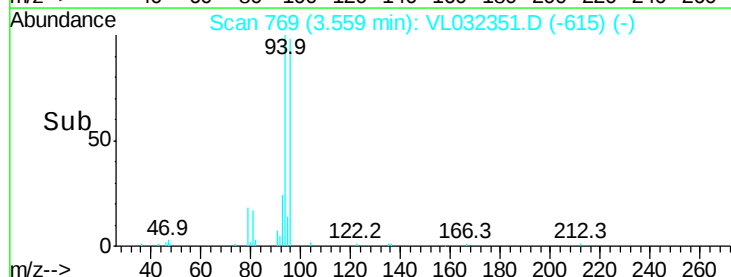
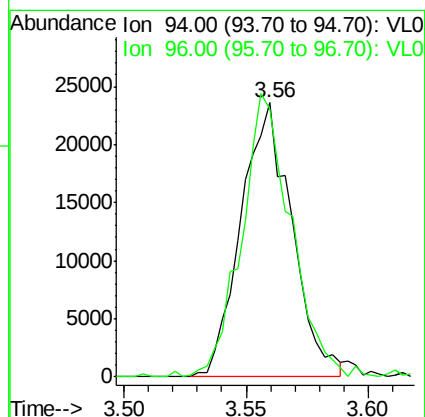
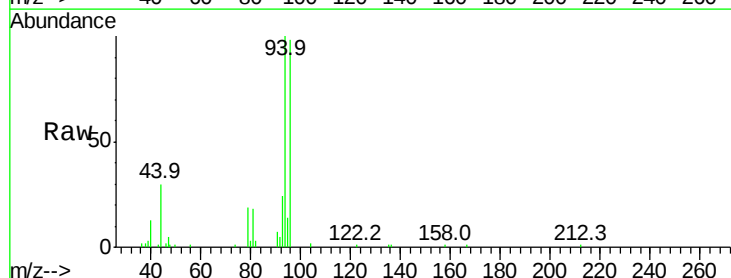
Acq: 15 Aug 2018 11:56

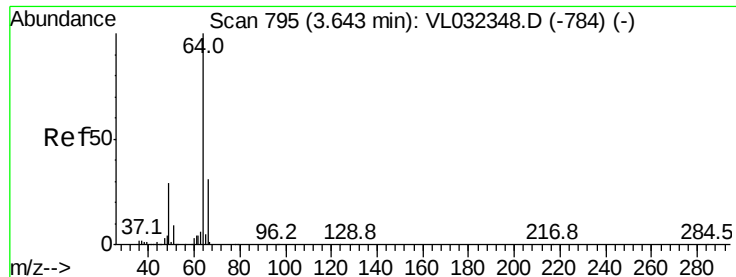
Tgt Ion: 94 Resp: 34071

Ion Ratio Lower Upper

94 100

96 96.9 70.2 105.4





#7

Chloroethane

Concen: 0.520 ppbv

RT: 3.65 min Scan# 796

Delta R.T. -0.01 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

Instrument :

MSVOA_L

ClientSampleId :

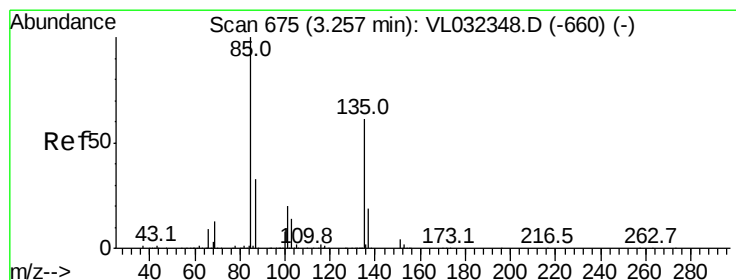
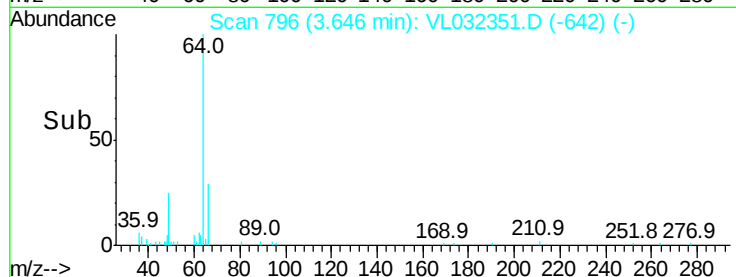
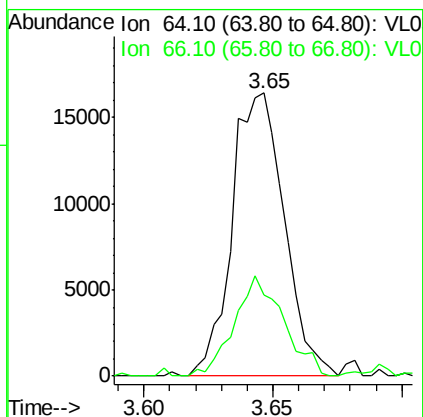
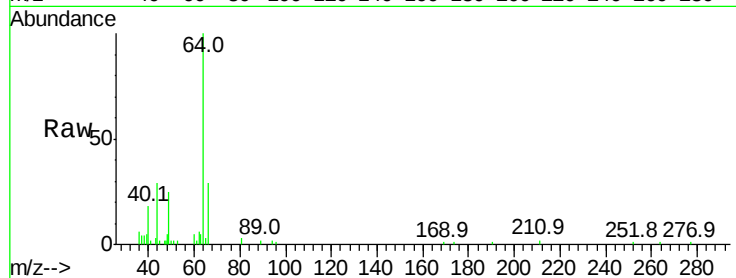
VSTDIC0.5

Tgt Ion: 64 Resp: 23269

Ion Ratio Lower Upper

64 100

66 28.8 25.7 38.5



#8

Dichlorotetrafluoroethane

Concen: 0.537 ppbv

RT: 3.26 min Scan# 675

Delta R.T. -0.01 min

Lab File: VL032351.D

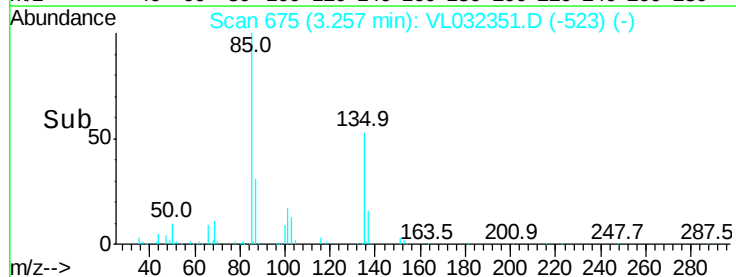
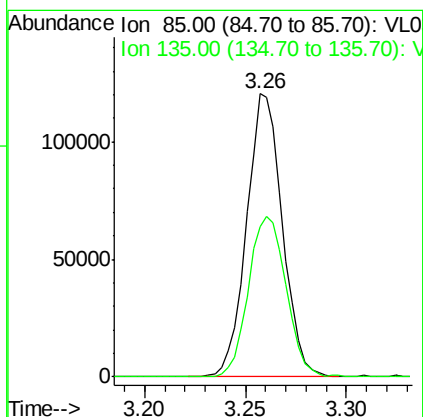
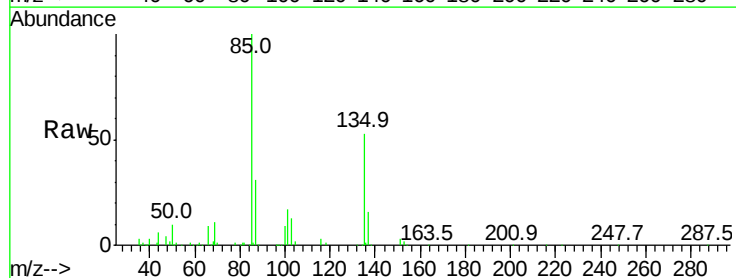
Acq: 15 Aug 2018 11:56

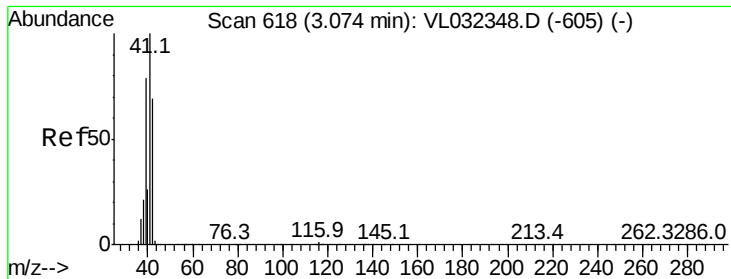
Tgt Ion: 85 Resp: 149596

Ion Ratio Lower Upper

85 100

135 59.7 48.7 73.1





#9

Propene

Concen: 0.417 ppbv

RT: 3.07 min Scan# 618

Delta R.T. -0.01 min

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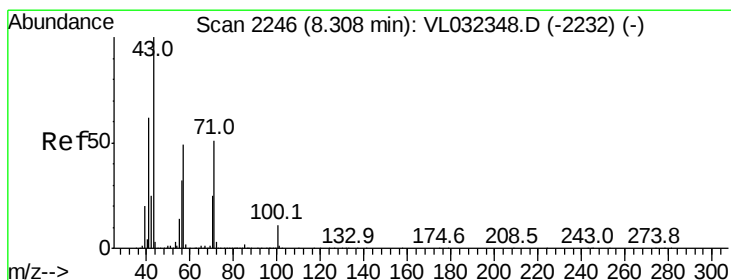
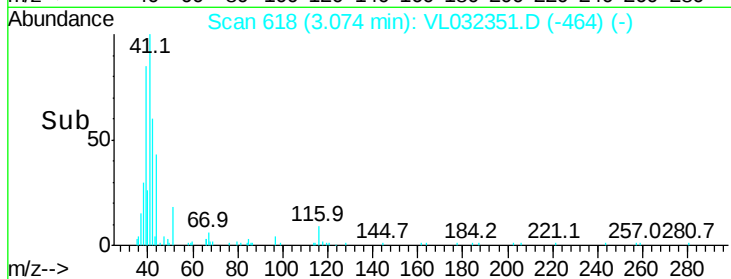
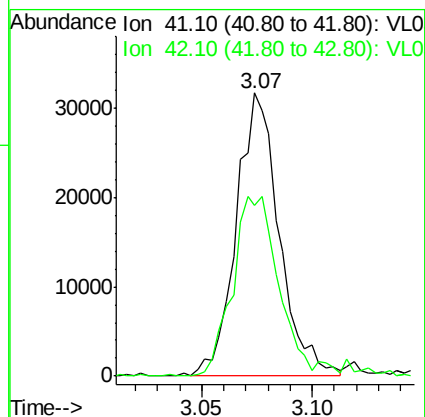
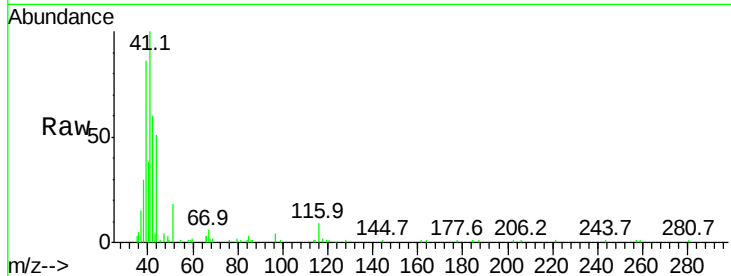
VSTDIC0.5

Tgt Ion: 41 Resp: 42812

Ion Ratio Lower Upper

41 100

42 71.6 56.8 85.2



#10

Heptane

Concen: 0.348 ppbv

RT: 8.31 min Scan# 2246

Delta R.T. -0.02 min

Lab File: VL032351.D

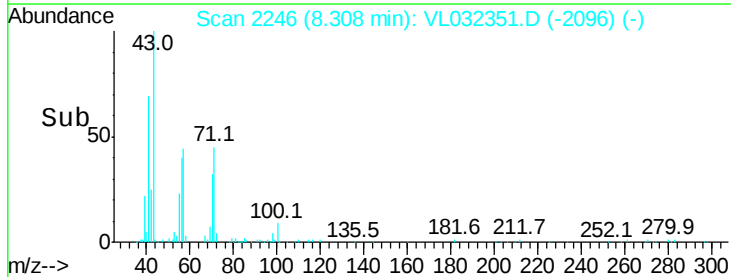
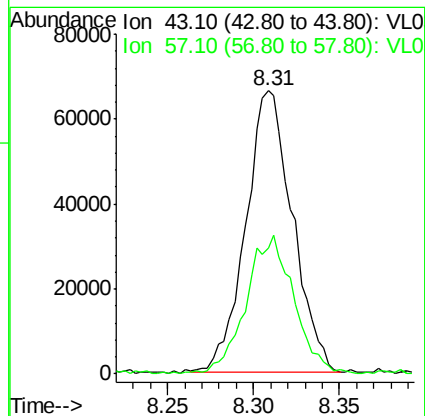
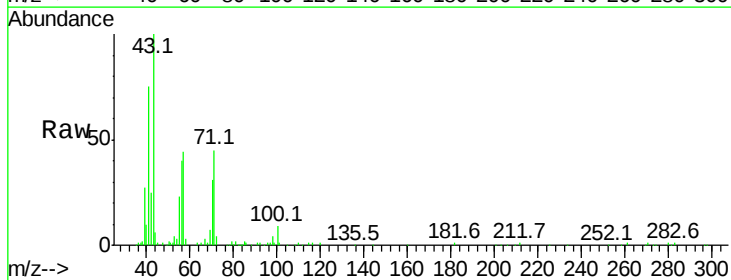
Acq: 15 Aug 2018 11:56

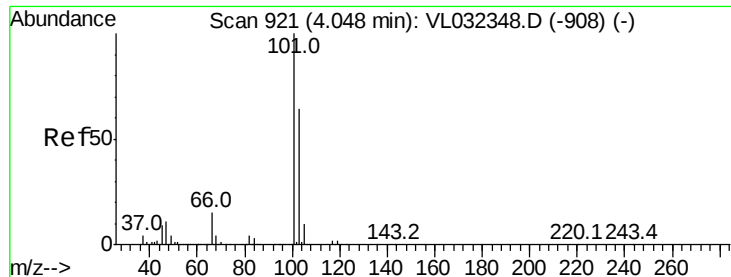
Tgt Ion: 43 Resp: 125558

Ion Ratio Lower Upper

43 100

57 50.3 39.0 58.4

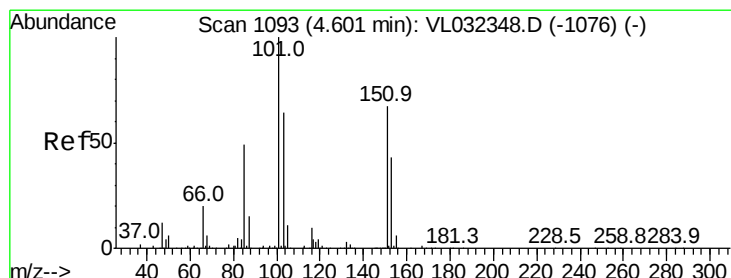
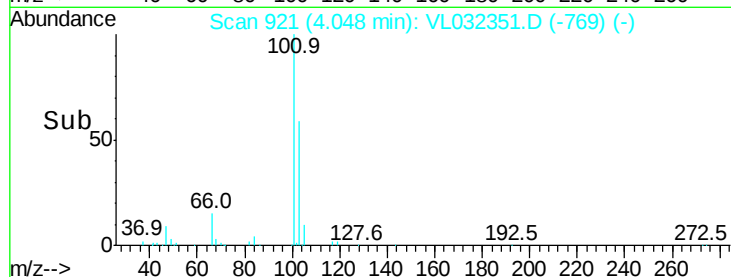
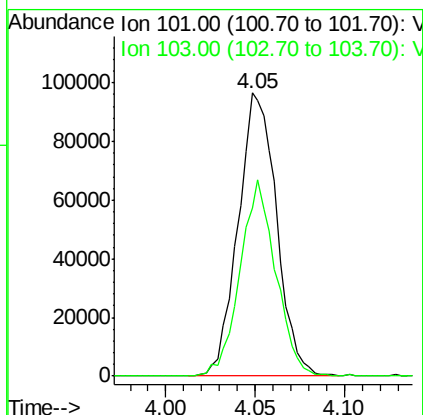
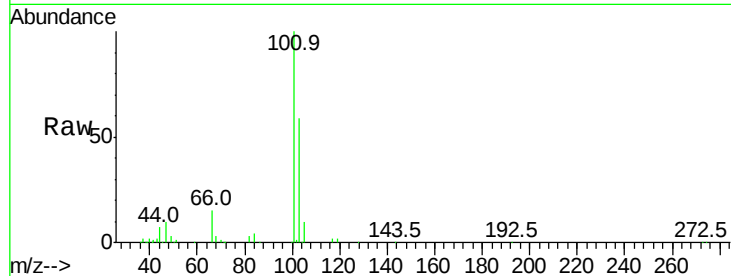




#11
 Trichlorofluoromethane
 Concen: 0.552 ppbv
 RT: 4.05 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: VL032351.D
 Acq: 15 Aug 2018 11:56

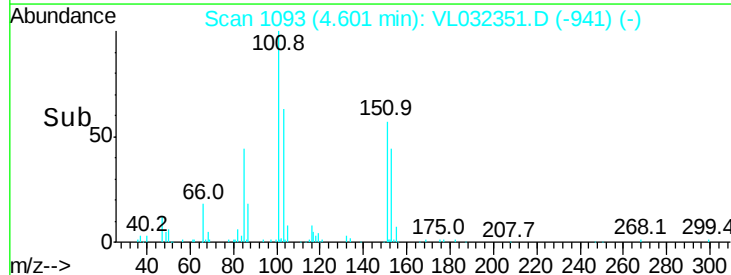
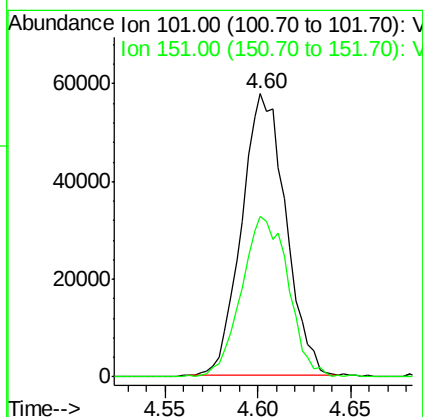
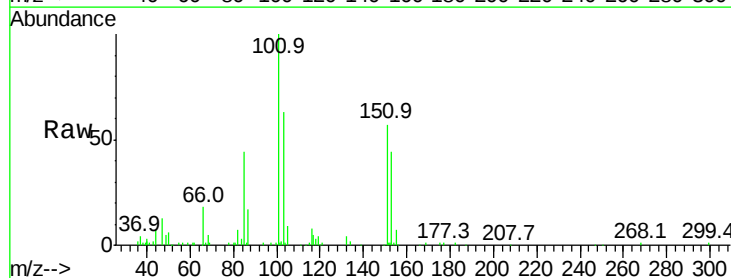
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

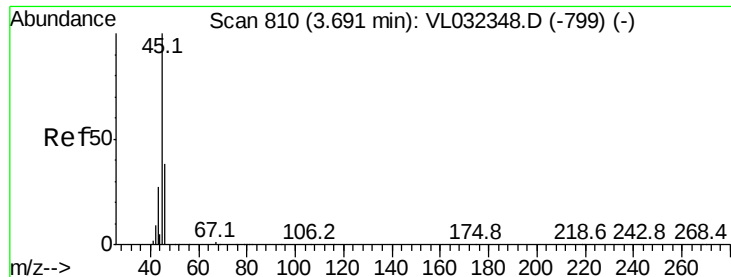
Tgt Ion:101 Resp: 145409
 Ion Ratio Lower Upper
 101 100
 103 59.4 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.531 ppbv
 RT: 4.60 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: VL032351.D
 Acq: 15 Aug 2018 11:56

Tgt Ion:101 Resp: 95418
 Ion Ratio Lower Upper
 101 100
 151 60.6 52.4 78.6





#13

Ethanol

Concen: 0.344 ppbv

RT: 3.70 min Scan# 814

Delta R.T. 0.00 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

Instrument :

MSVOA_L

ClientSampleId :

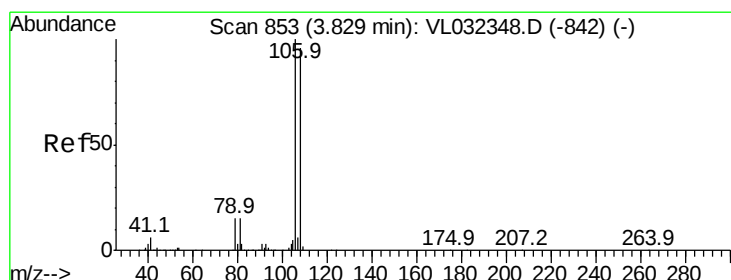
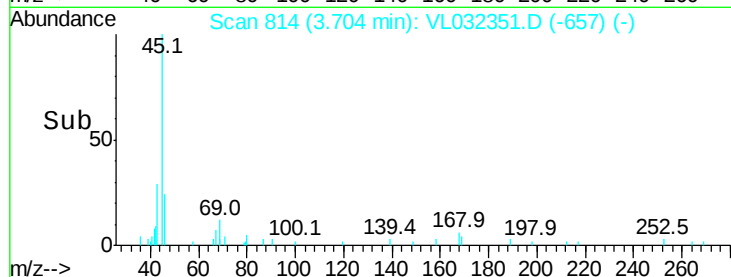
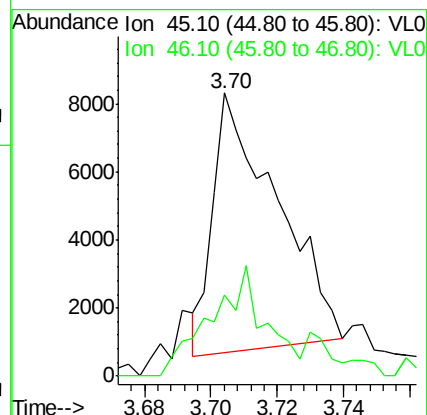
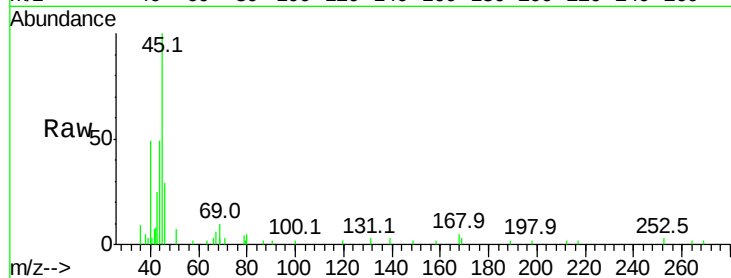
VSTDIC0.5

Tgt Ion: 45 Resp: 10165

Ion Ratio Lower Upper

45 100

46 48.2 15.2 60.6



#14

Bromoethene

Concen: 0.527 ppbv

RT: 3.83 min Scan# 853

Delta R.T. -0.01 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

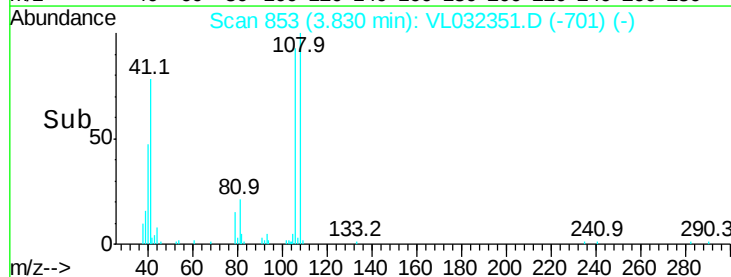
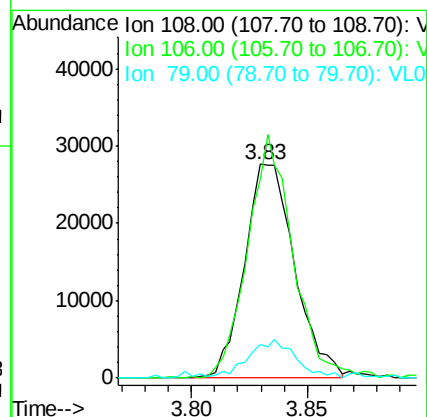
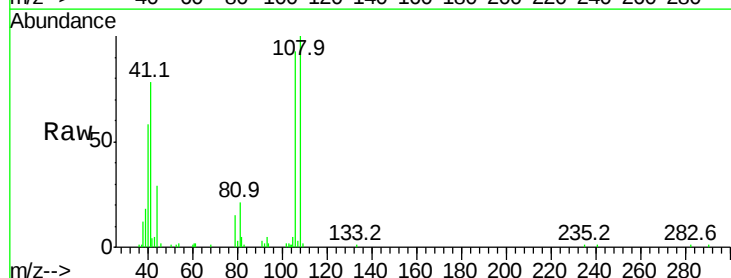
Tgt Ion: 108 Resp: 41552

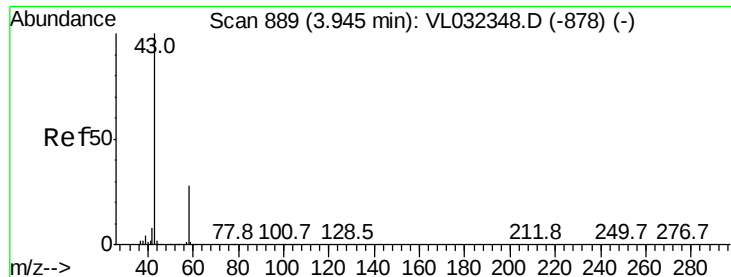
Ion Ratio Lower Upper

108 100

106 103.8 86.0 129.0

79 19.3 12.8 19.2#





#15

Acetone

Concen: 0.593 ppbv

RT: 3.96 min Scan# 894

Delta R.T. 0.00 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

Instrument :

MSVOA_L

ClientSampleId :

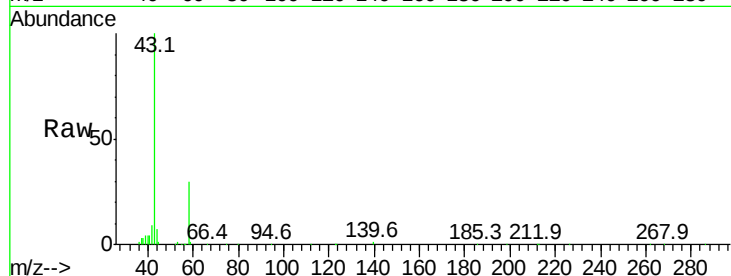
VSTDIC0.5

Tgt Ion: 43 Resp: 127717

Ion Ratio Lower Upper

43 100

58 29.7 22.5 33.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

100000

80000

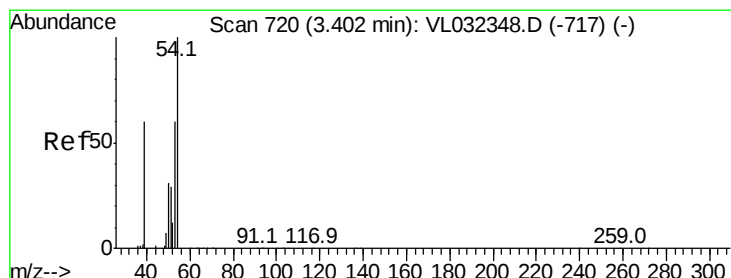
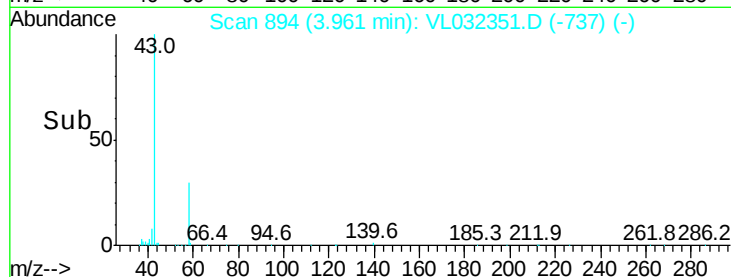
60000

40000

20000

0

Time--> 3.90 3.95 4.00



#16

1,3-Butadiene

Concen: 0.120 ppbv

RT: 3.40 min Scan# 719

Delta R.T. -0.02 min

Lab File: VL032351.D

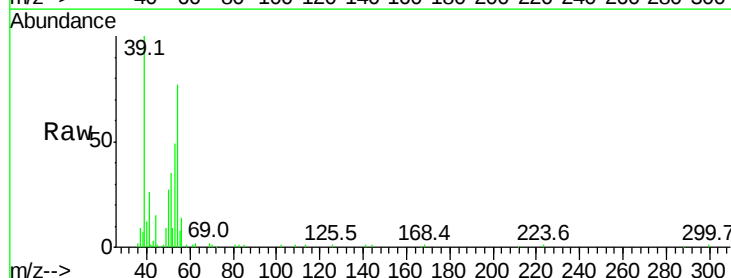
Acq: 15 Aug 2018 11:56

Tgt Ion: 39 Resp: 13360

Ion Ratio Lower Upper

39 100

54 0.0 74.3 111.5#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.40

40000

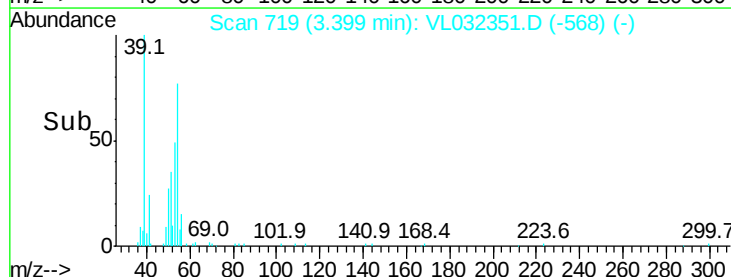
30000

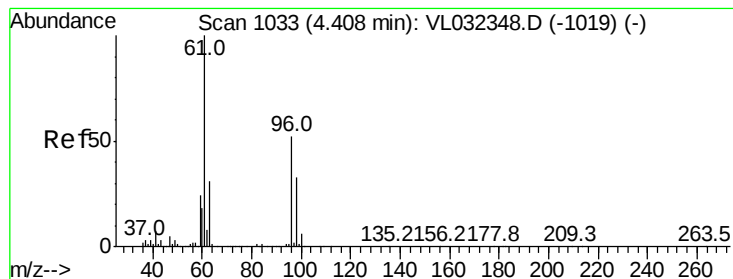
20000

10000

0

Time--> 3.40 3.40





#17

tert-Butyl alcohol

Concen: 0.036 ppbv

RT: 4.40 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

Instrument :

MSVOA_L

ClientSampleId :

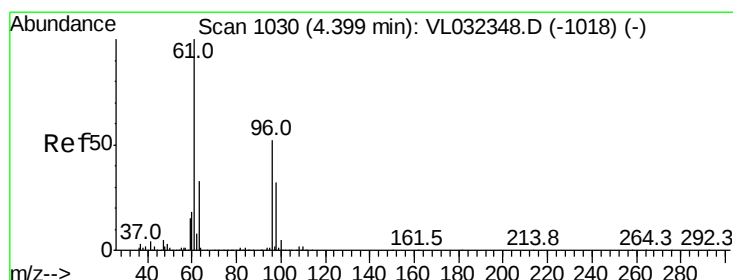
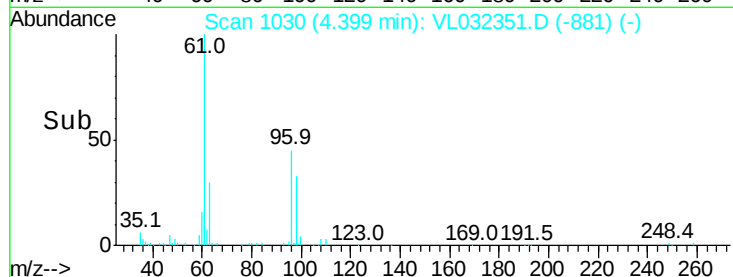
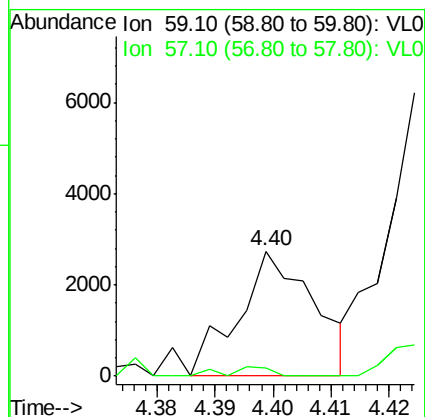
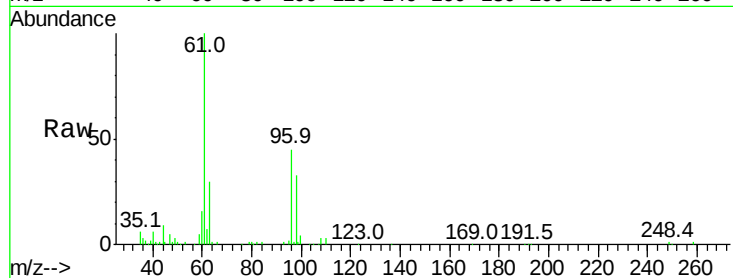
VSTDIC0.5

Tgt Ion: 59 Resp: 2483

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



#18

1,1-Dichloroethene

Concen: 0.513 ppbv

RT: 4.40 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

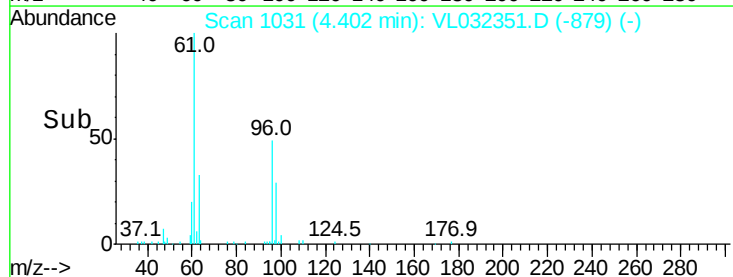
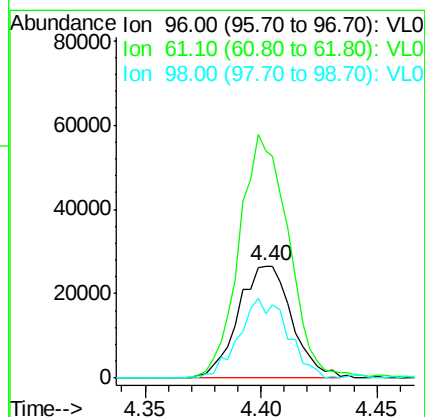
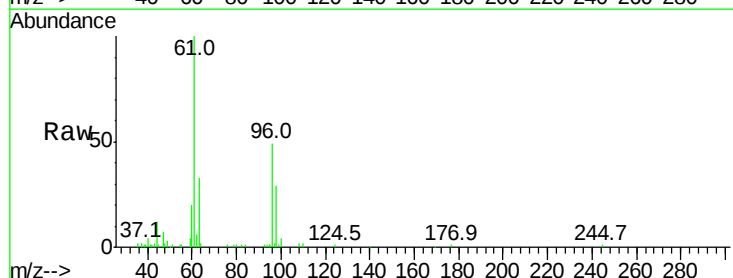
Tgt Ion: 96 Resp: 42795

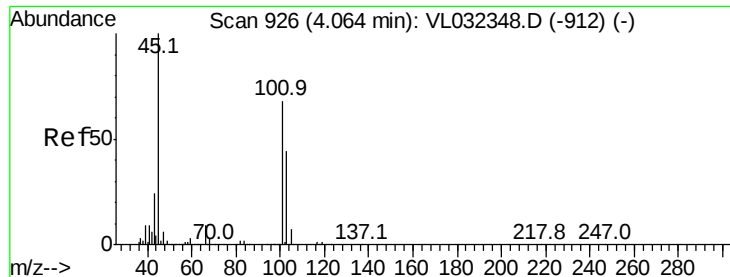
Ion Ratio Lower Upper

96 100

61 202.2 159.0 238.4

98 57.1 51.1 76.7





#19

Isopropyl Alcohol

Concen: 0.265 ppbv

RT: 4.09 min Scan# 934

Delta R.T. 0.01 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

Instrument :

MSVOA_L

ClientSampleId :

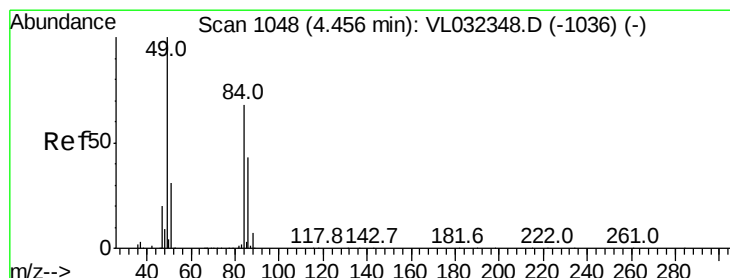
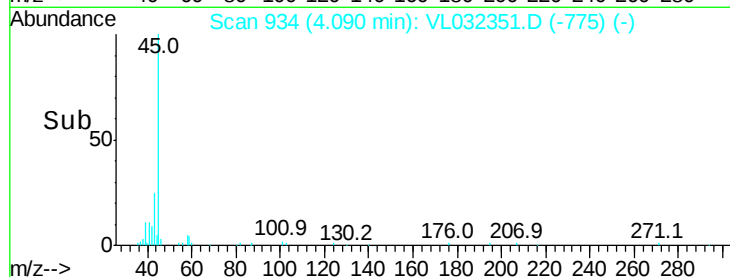
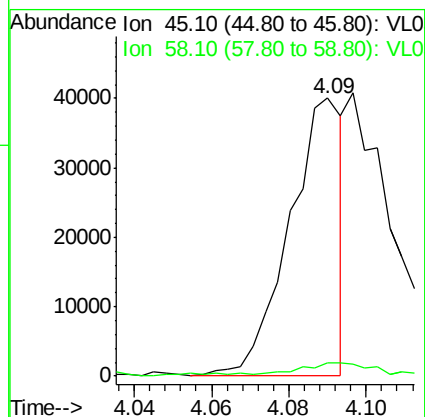
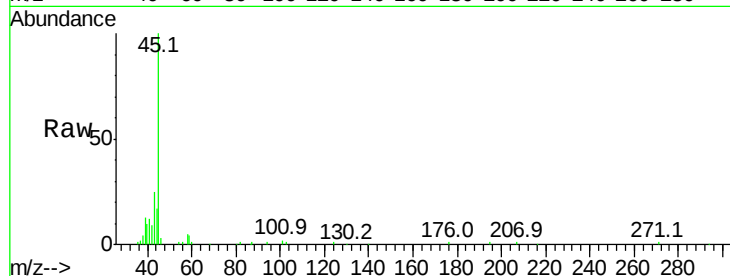
VSTDIC0.5

Tgt Ion: 45 Resp: 38092

Ion Ratio Lower Upper

45 100

58 10.2 1.5 2.3#



#20

Methylene Chloride

Concen: 0.588 ppbv

RT: 4.46 min Scan# 1048

Delta R.T. -0.01 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

Tgt Ion: 84 Resp: 50903

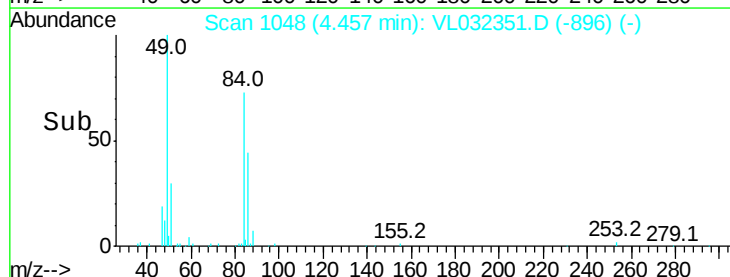
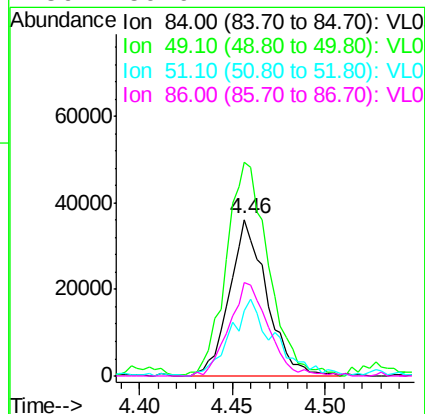
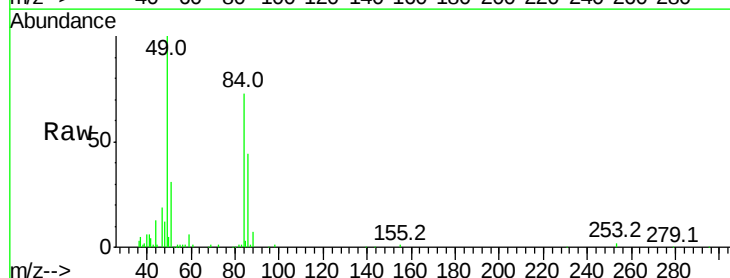
Ion Ratio Lower Upper

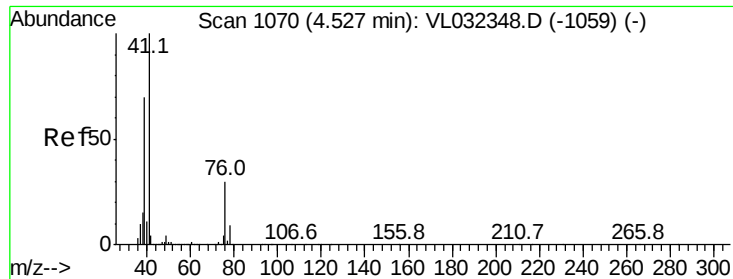
84 100

49 136.6 123.4 185.0

51 41.7 38.2 57.2

86 59.9 47.4 71.2

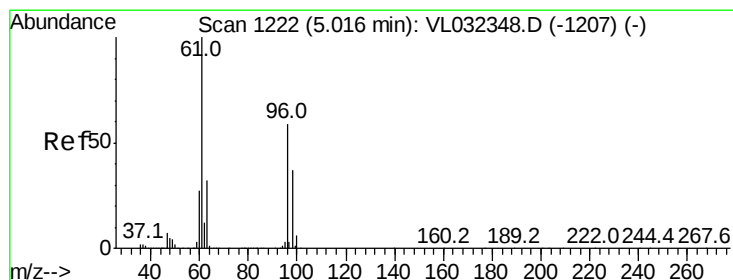
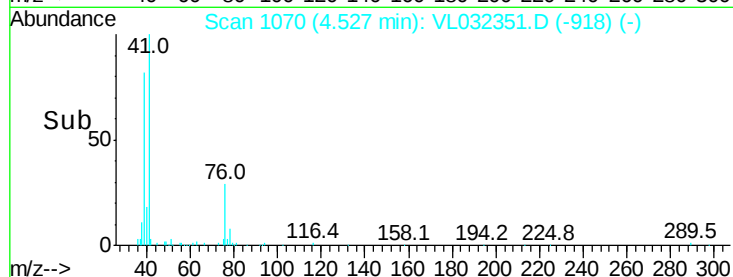
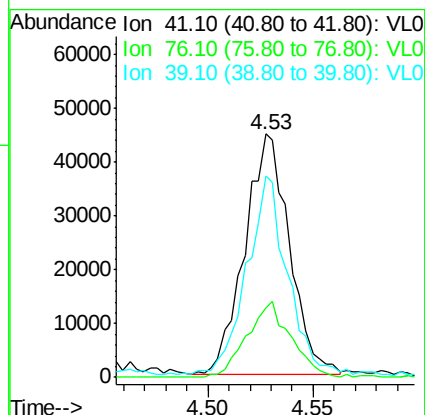
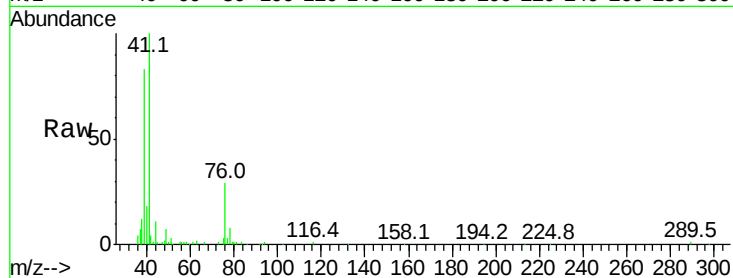




#21
 Allyl Chloride
 Concen: 0.449 ppbv
 RT: 4.53 min Scan# 1070
 Delta R.T. -0.01 min
 Lab File: VL032351.D
 Acq: 15 Aug 2018 11:56

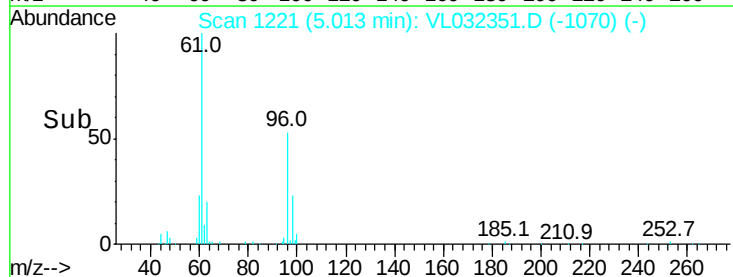
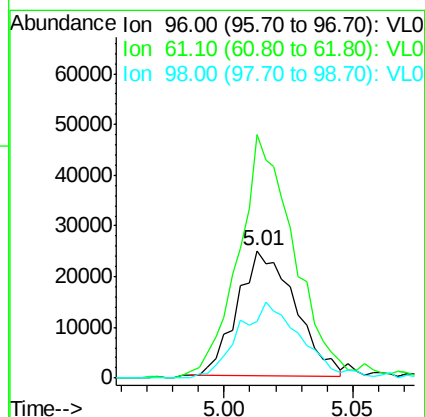
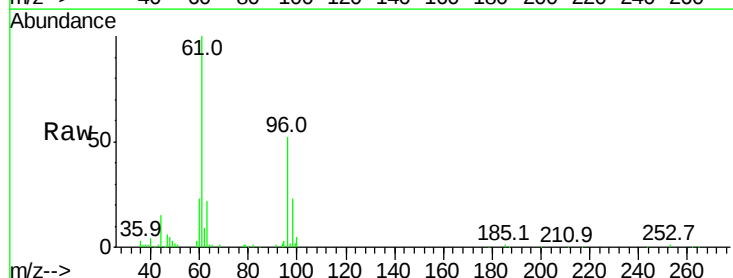
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

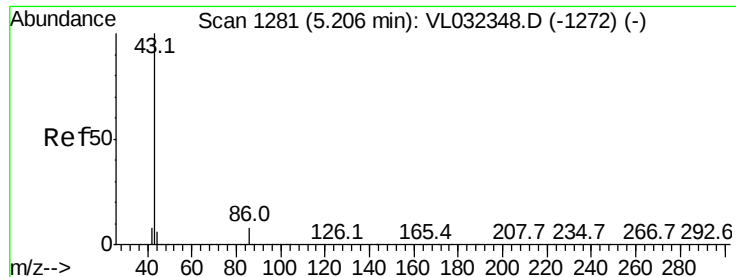
Tgt Ion: 41 Resp: 66012
 Ion Ratio Lower Upper
 41 100
 76 31.4 23.1 34.7
 39 76.4 58.2 87.2



#22
 trans-1,2-Dichloroethene
 Concen: 0.476 ppbv
 RT: 5.01 min Scan# 1221
 Delta R.T. -0.02 min
 Lab File: VL032351.D
 Acq: 15 Aug 2018 11:56

Tgt Ion: 96 Resp: 38268
 Ion Ratio Lower Upper
 96 100
 61 189.7 136.5 204.7
 98 45.3 51.3 76.9#





#23

Vinyl Acetate

Concen: 0.426 ppbv

RT: 5.21 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 164526

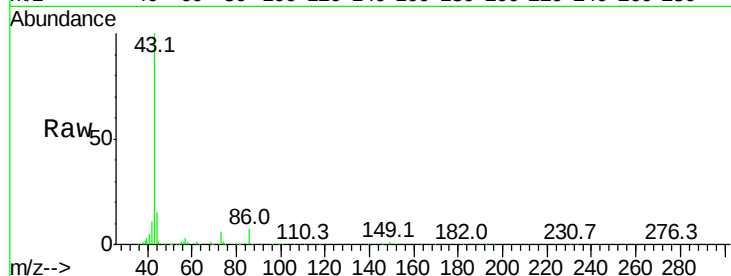
Ion Ratio Lower Upper

43 100

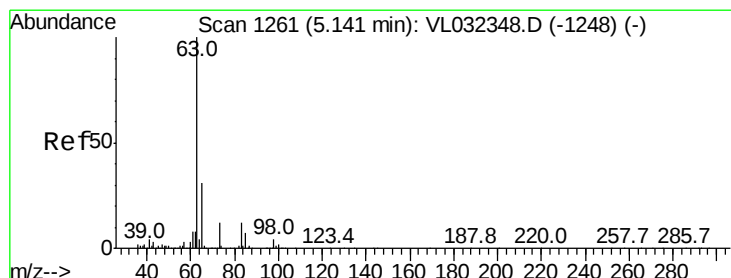
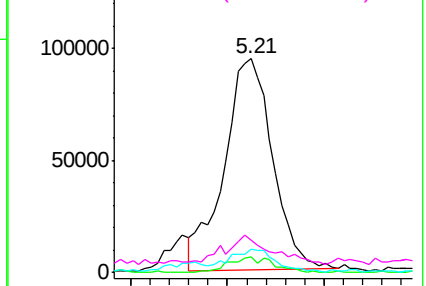
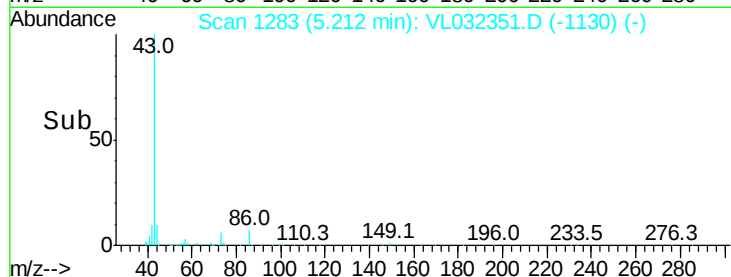
86 7.6 6.3 9.5

42 10.4 7.0 10.4

44 10.2 4.6 7.0#



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: 0.489 ppbv

RT: 5.14 min Scan# 1260

Delta R.T. -0.02 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

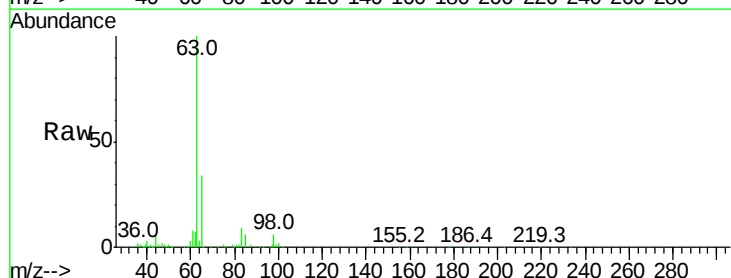
Tgt Ion: 63 Resp: 135551

Ion Ratio Lower Upper

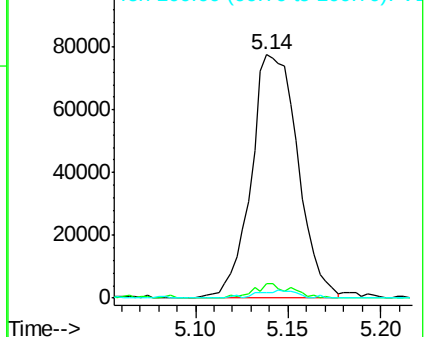
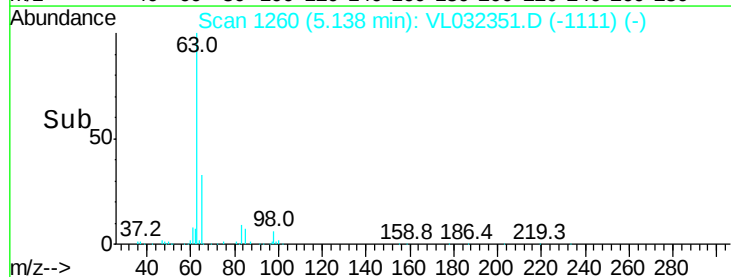
63 100

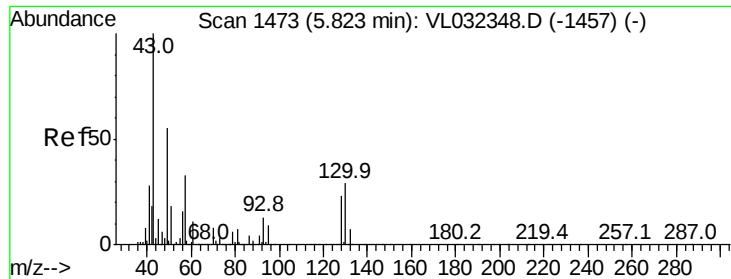
98 6.2 2.1 6.5

100 2.5 1.3 3.8



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

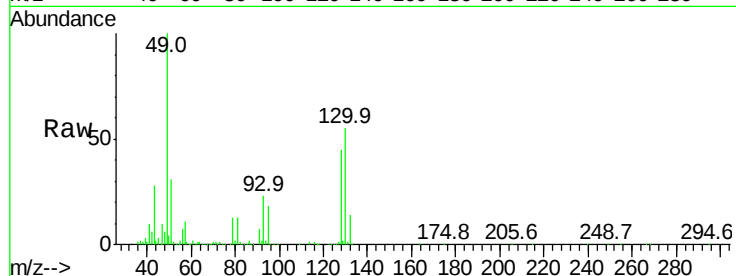




#25
Ethyl Acetate
Concen: 0.477 ppbv
RT: 5.83 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VL032351.D
Acq: 15 Aug 2018 11:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:	43	Resp:	230363
Ion	Ratio	Lower	Upper
43	100		
45	11.0	8.1	12.1
61	10.0	7.4	11.0
70	6.9	5.6	8.4



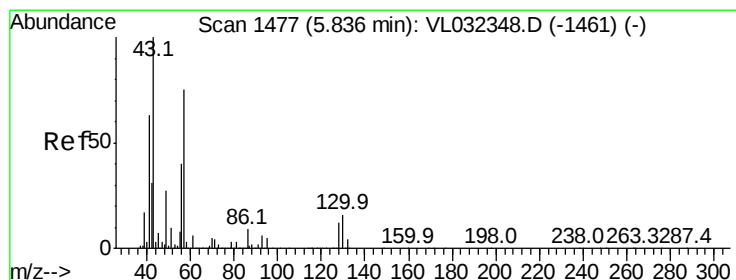
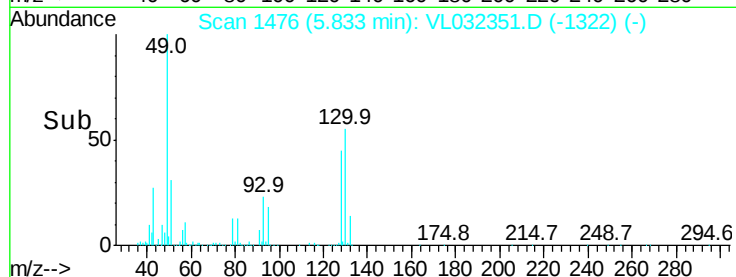
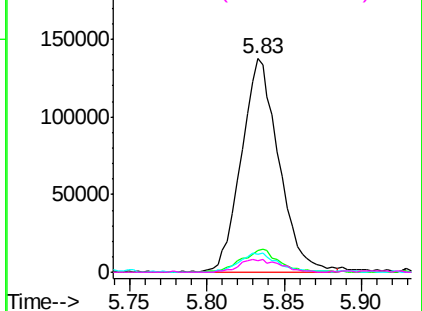
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

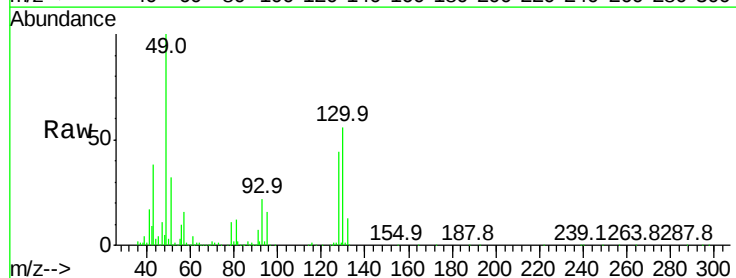
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 0.448 ppbv
RT: 5.84 min Scan# 1477
Delta R.T. -0.02 min
Lab File: VL032351.D
Acq: 15 Aug 2018 11:56

Tgt Ion:	57	Resp:	97972
Ion	Ratio	Lower	Upper
57	100		
41	96.7	68.1	102.1
43	239.7	177.4	266.2
56	58.6	41.9	62.9



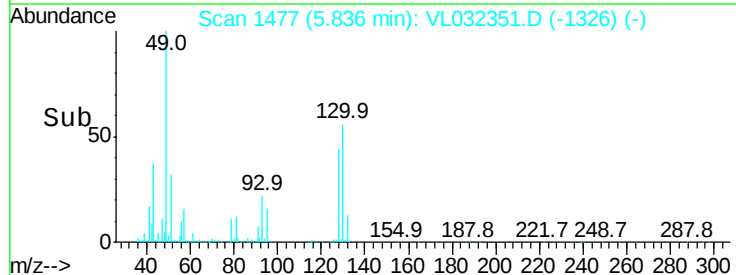
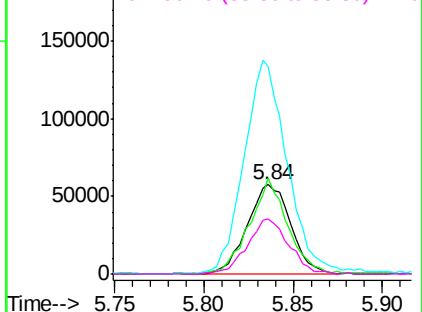
Abundance

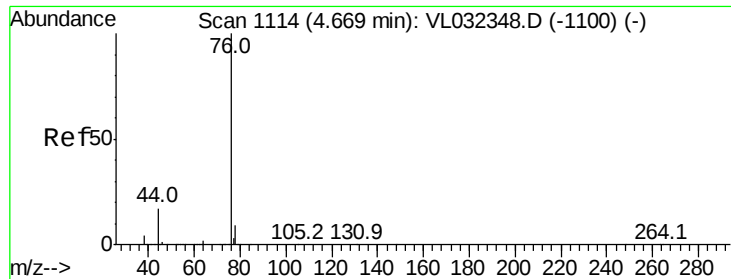
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.488 ppbv

RT: 4.67 min Scan# 1115

Delta R.T. -0.01 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

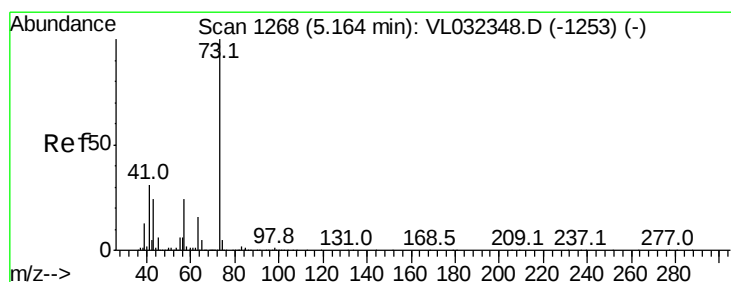
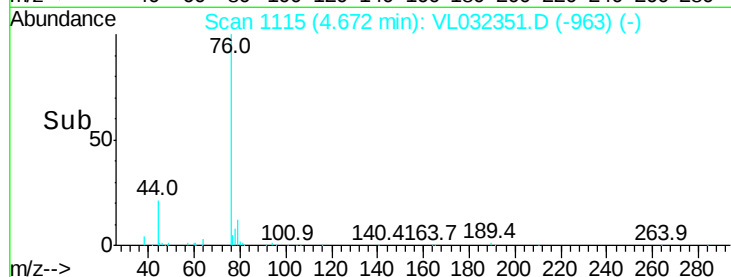
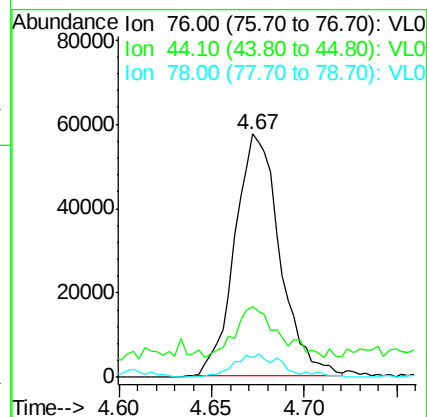
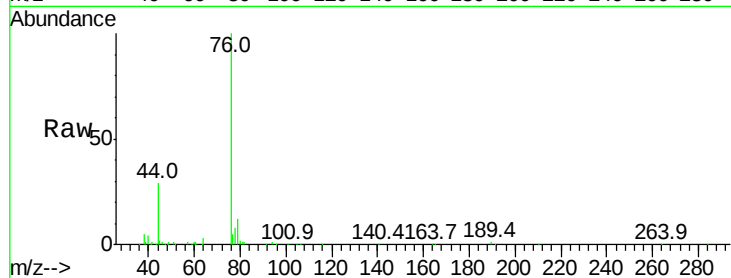
Tgt Ion: 76 Resp: 96975

Ion Ratio Lower Upper

76 100

44 24.3 14.0 21.0#

78 10.6 7.5 11.3



#28

Methyl tert-Butyl Ether

Concen: 0.410 ppbv

RT: 5.18 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VL032351.D

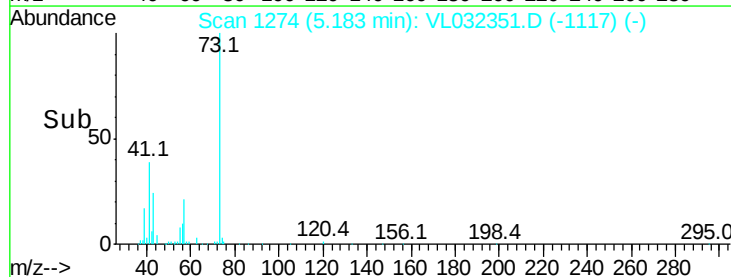
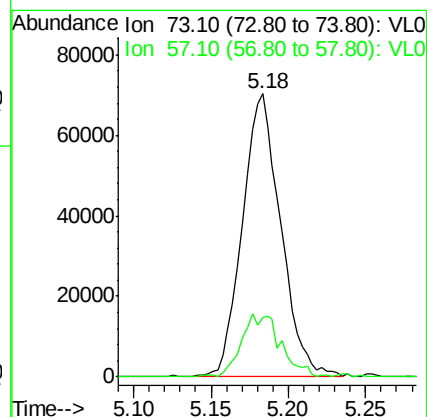
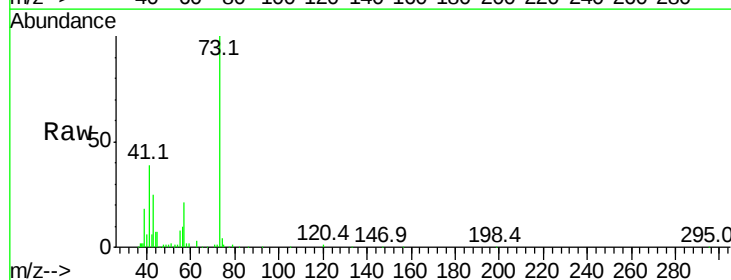
Acq: 15 Aug 2018 11:56

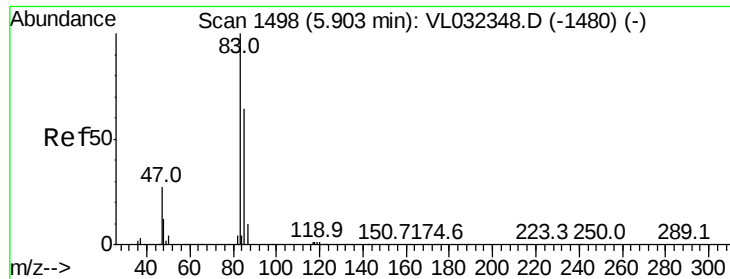
Tgt Ion: 73 Resp: 121189

Ion Ratio Lower Upper

73 100

57 23.4 19.4 29.0





#29

Chloroform

Concen: 0.501 ppbv

RT: 5.90 min Scan# 1498

Delta R.T. -0.02 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

Instrument :

MSVOA_L

ClientSampleId :

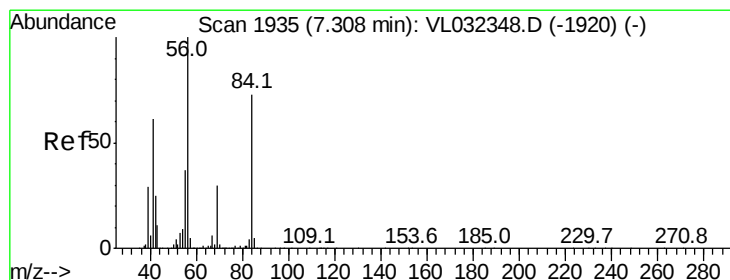
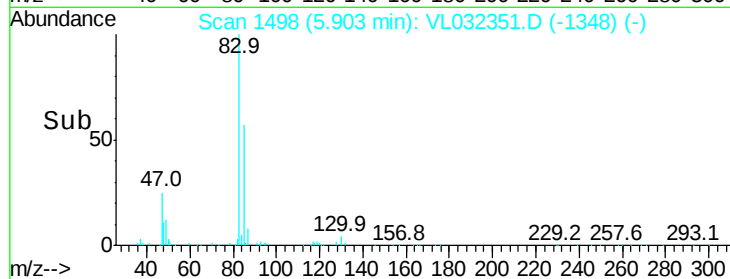
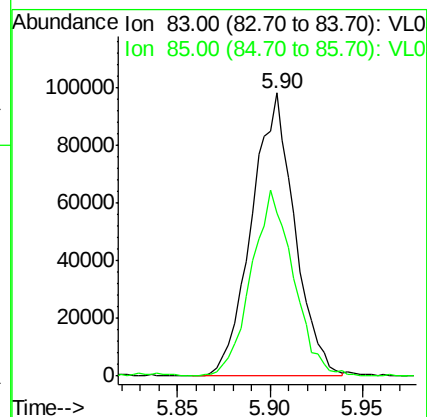
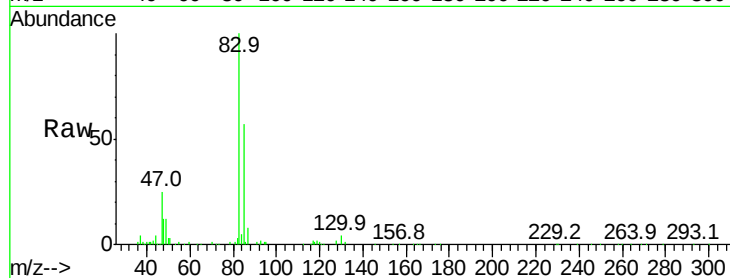
VSTDIC0.5

Tgt Ion: 83 Resp: 159262

Ion Ratio Lower Upper

83 100

85 57.5 52.9 79.3



#30

Cyclohexane

Concen: 0.218 ppbv

RT: 7.31 min Scan# 1934

Delta R.T. -0.03 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

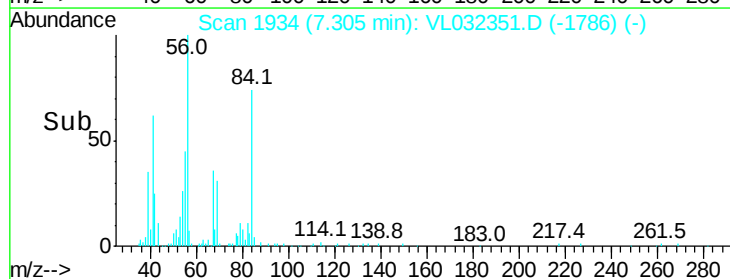
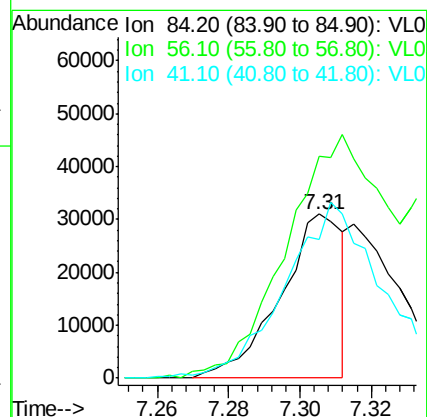
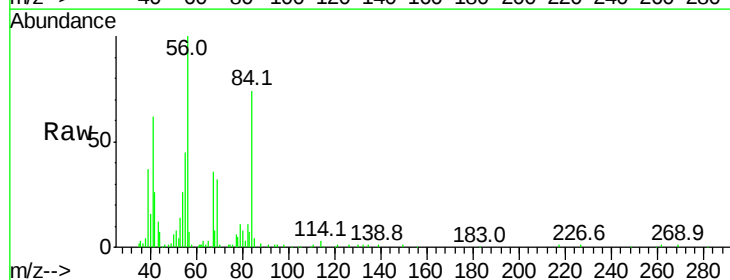
Tgt Ion: 84 Resp: 37269

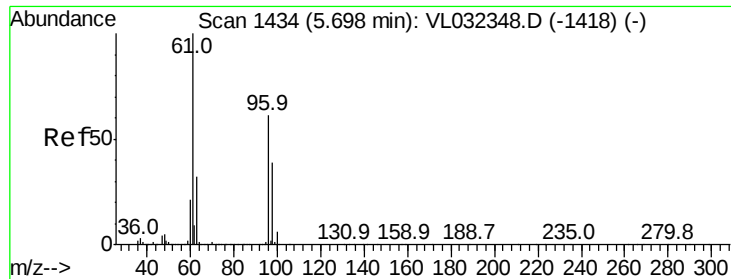
Ion Ratio Lower Upper

84 100

56 0.0 116.8 175.2#

41 0.0 70.0 105.0#





#31

cis-1,2-Dichloroethene

Concen: 0.462 ppbv

RT: 5.69 min Scan# 1433

Delta R.T. -0.02 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

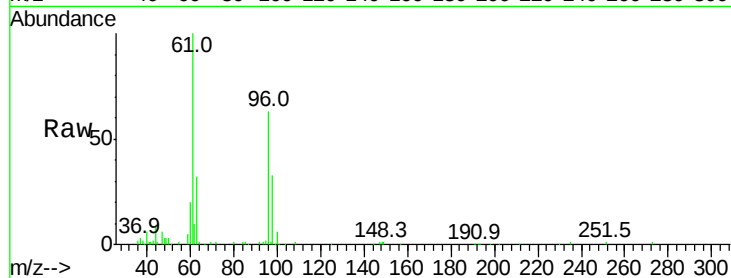
Tgt Ion: 61 Resp: 93650

Ion Ratio Lower Upper

61 100

96 62.6 49.8 74.6

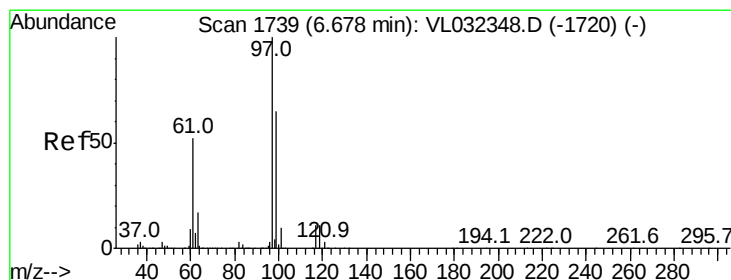
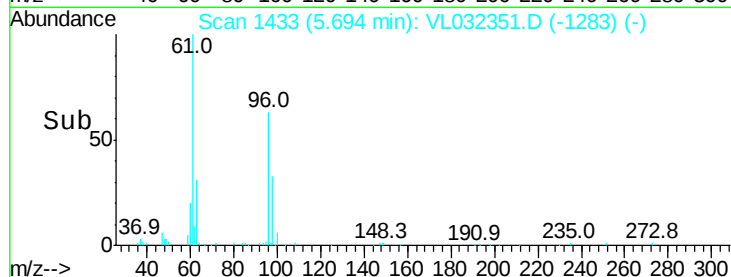
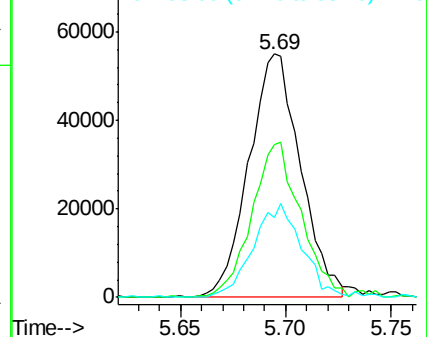
98 32.7 31.8 47.6



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 0.533 ppbv

RT: 6.68 min Scan# 1739

Delta R.T. -0.02 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

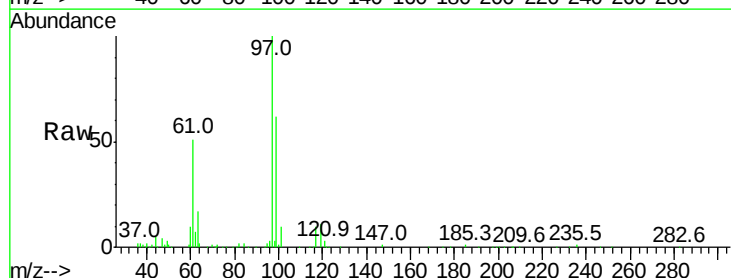
Tgt Ion: 97 Resp: 149978

Ion Ratio Lower Upper

97 100

99 63.7 50.9 76.3

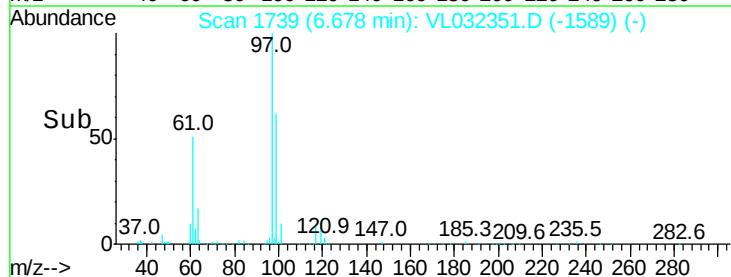
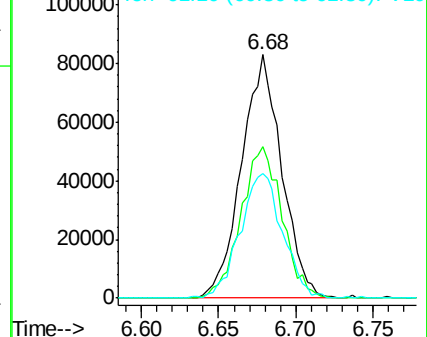
61 54.4 41.8 62.6

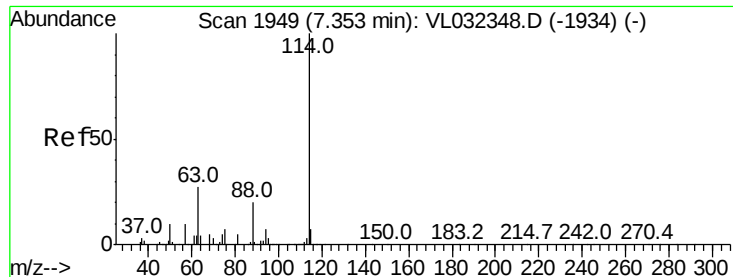


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

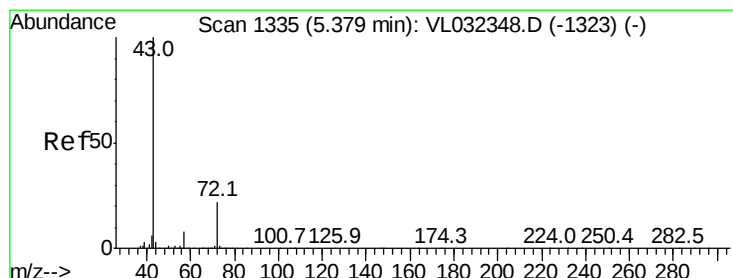
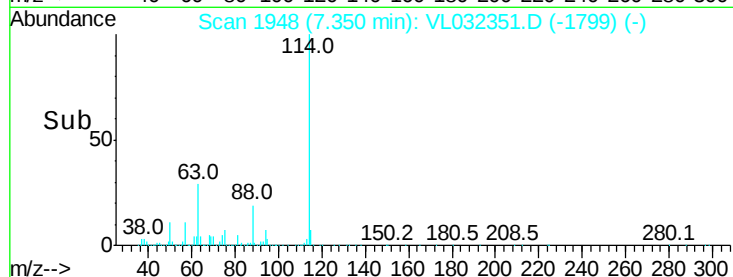
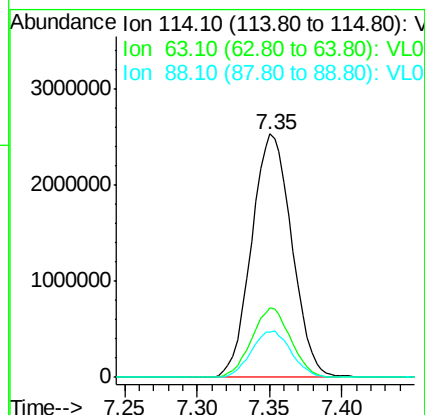
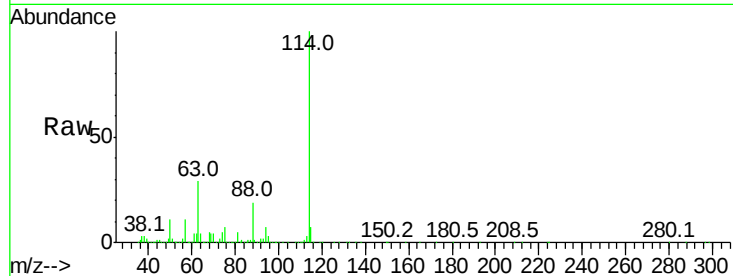




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.35 min Scan# 1948
 Delta R.T. -0.02 min
 Lab File: VL032351.D
 Acq: 15 Aug 2018 11:56

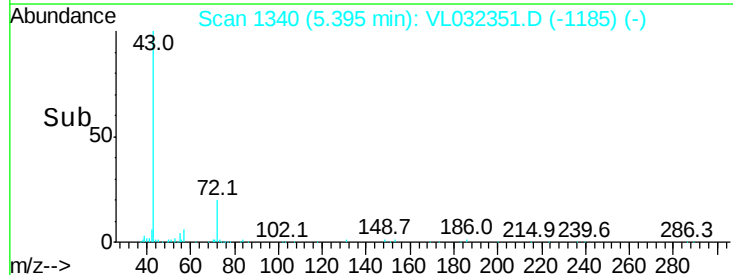
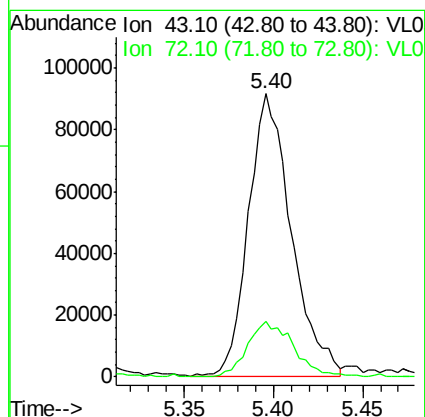
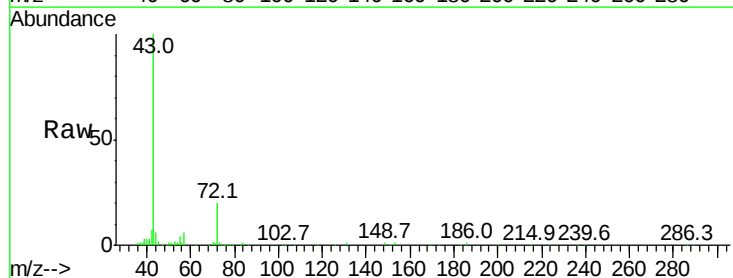
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

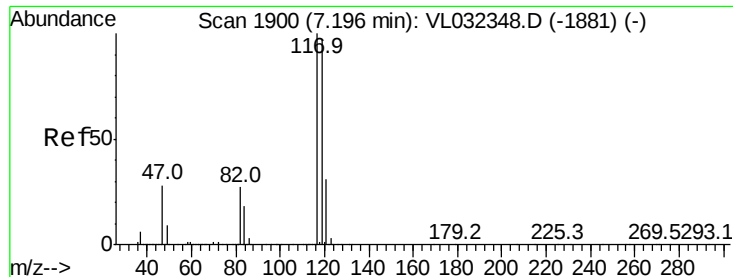
Tgt Ion:114 Resp: 4886018
 Ion Ratio Lower Upper
 114 100
 63 27.9 22.4 33.6
 88 19.0 15.3 22.9



#34
 2-Butanone
 Concen: 0.484 ppbv
 RT: 5.40 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VL032351.D
 Acq: 15 Aug 2018 11:56

Tgt Ion: 43 Resp: 153155
 Ion Ratio Lower Upper
 43 100
 72 21.4 17.4 26.2





#35

Carbon Tetrachloride

Concen: 0.521 ppbv

RT: 7.20 min Scan# 1900

Delta R.T. -0.02 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

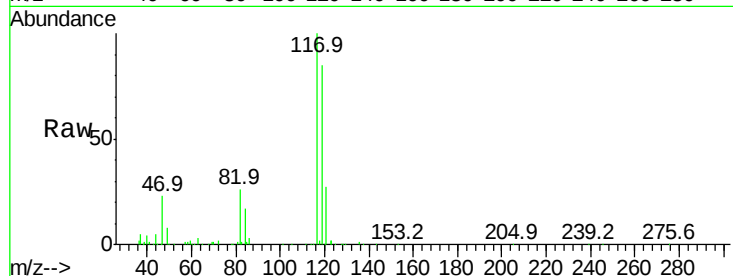
Tgt Ion:117 Resp: 144573

Ion Ratio Lower Upper

117 100

119 84.5 76.1 114.1

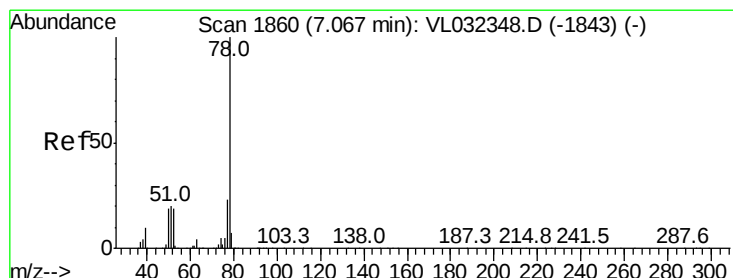
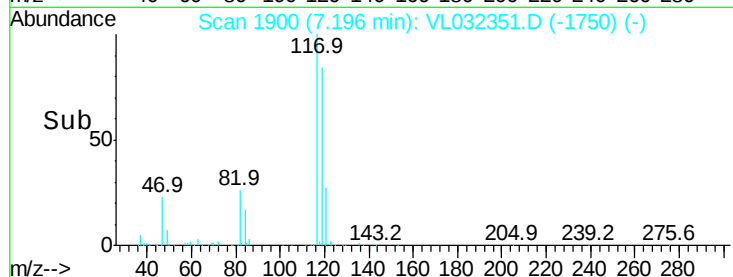
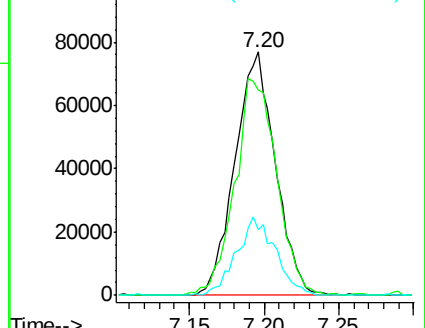
121 26.8 24.4 36.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.441 ppbv

RT: 7.07 min Scan# 1860

Delta R.T. -0.02 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

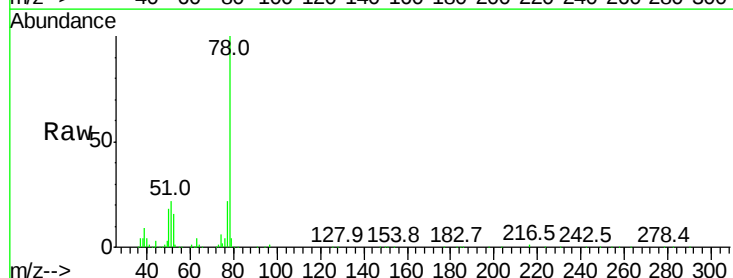
Tgt Ion: 78 Resp: 189985

Ion Ratio Lower Upper

78 100

77 22.3 18.4 27.6

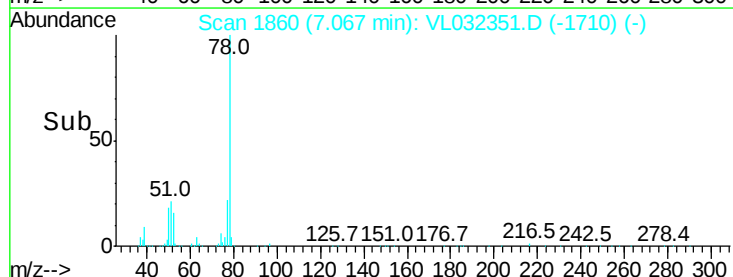
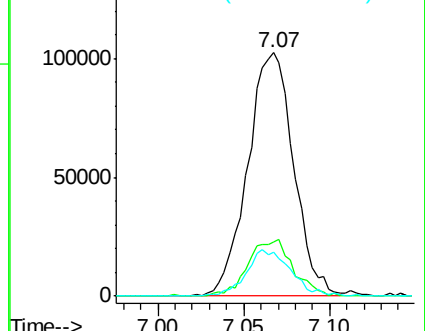
50 18.2 15.3 22.9

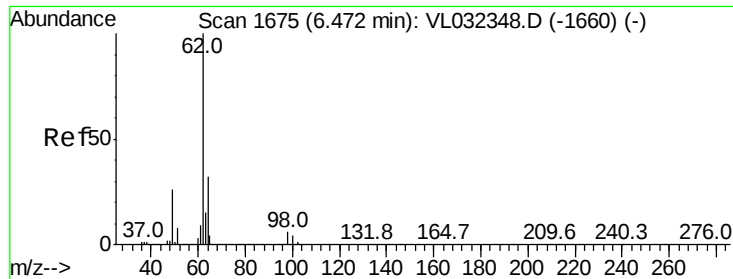


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

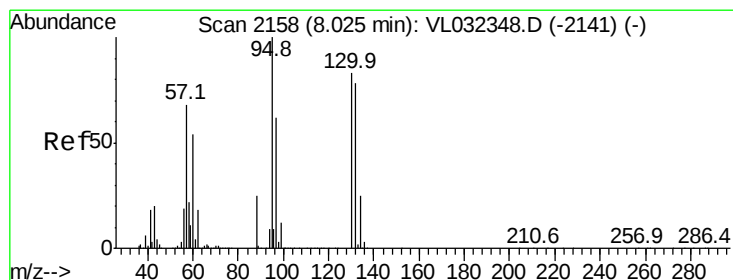
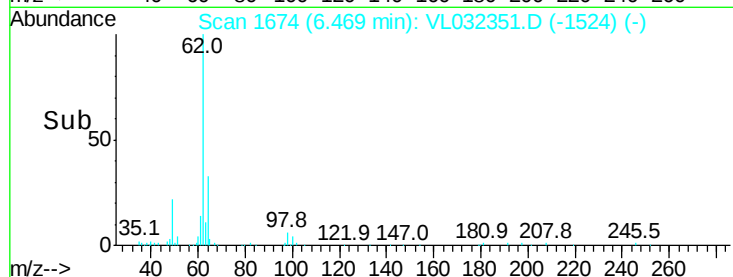
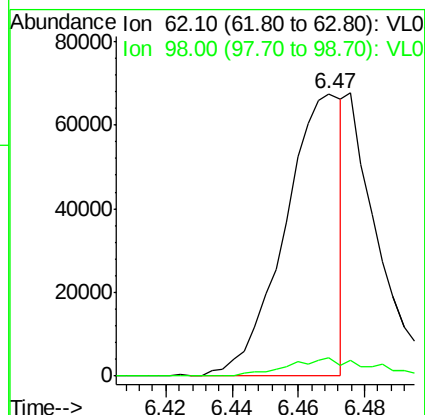
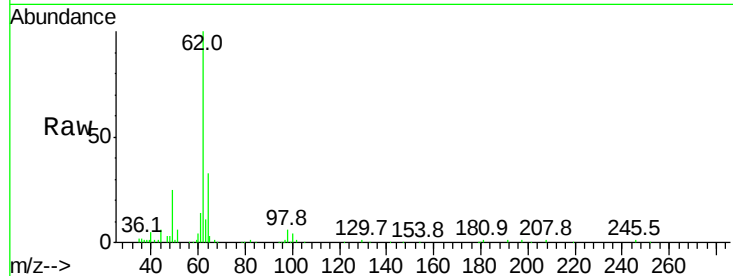




#37
 1,2-Dichloroethane
 Concen: 0.323 ppbv
 RT: 6.47 min Scan# 1674
 Delta R.T. -0.02 min
 Lab File: VL032351.D
 Acq: 15 Aug 2018 11:56

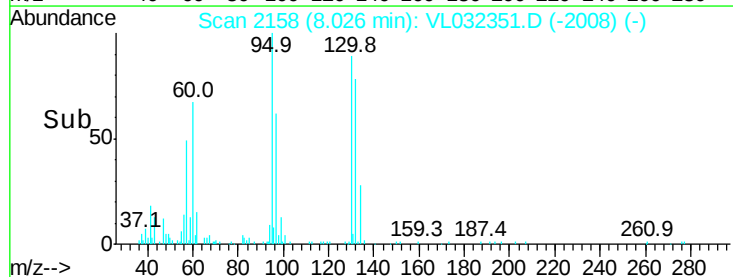
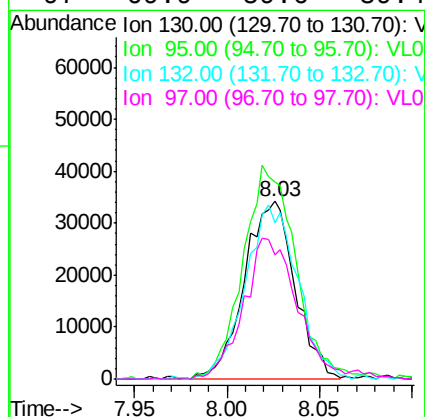
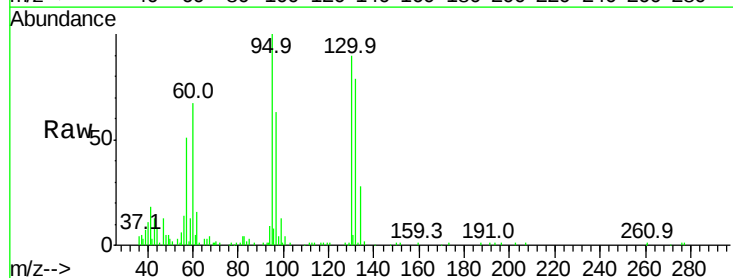
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

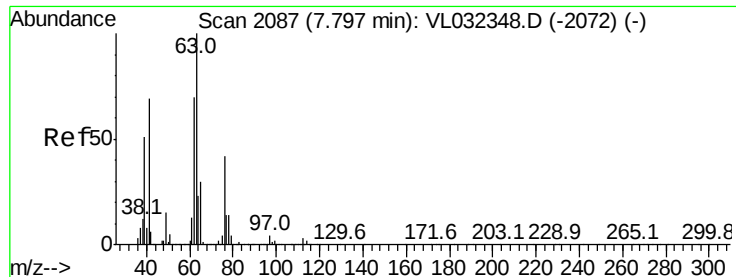
Tgt Ion: 62 Resp: 80323
 Ion Ratio Lower Upper
 62 100
 98 9.6 5.1 7.7#



#38
 Trichloroethene
 Concen: 0.392 ppbv
 RT: 8.03 min Scan# 2158
 Delta R.T. -0.02 min
 Lab File: VL032351.D
 Acq: 15 Aug 2018 11:56

Tgt Ion: 130 Resp: 65180
 Ion Ratio Lower Upper
 130 100
 95 111.3 92.9 139.3
 132 89.4 73.0 109.4
 97 69.9 59.6 89.4

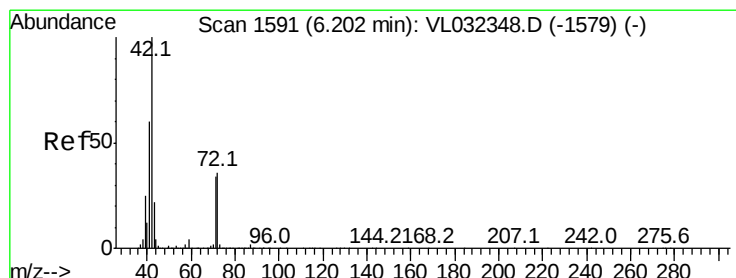
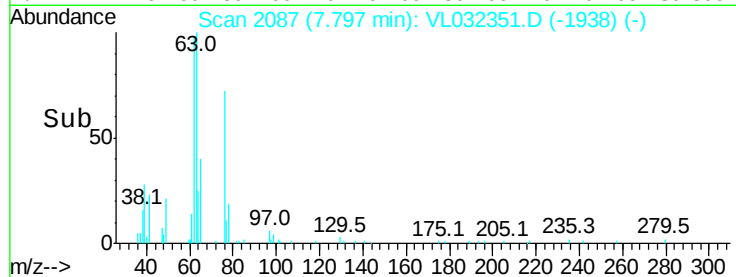
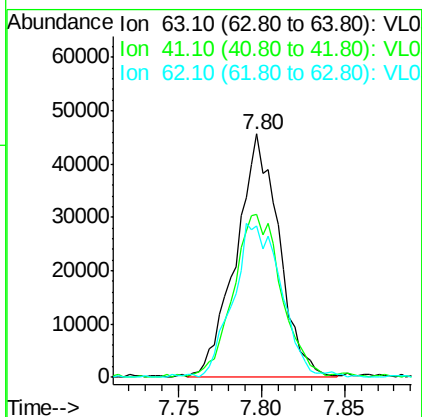
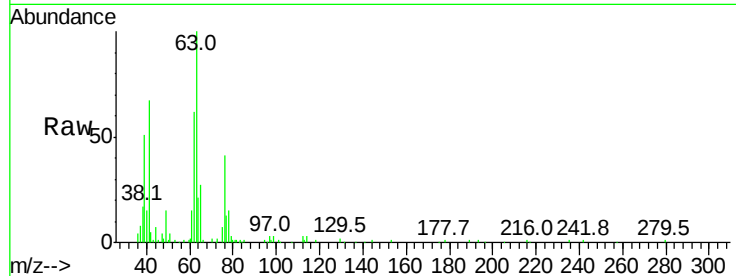




#39
 1,2-Dichloropropane
 Concen: 0.380 ppbv
 RT: 7.80 min Scan# 2087
 Delta R.T. -0.02 min
 Lab File: VL032351.D
 Acq: 15 Aug 2018 11:56

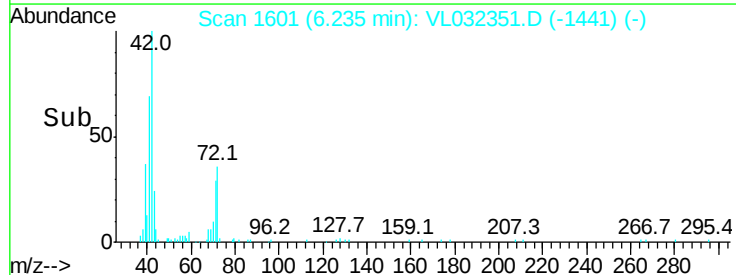
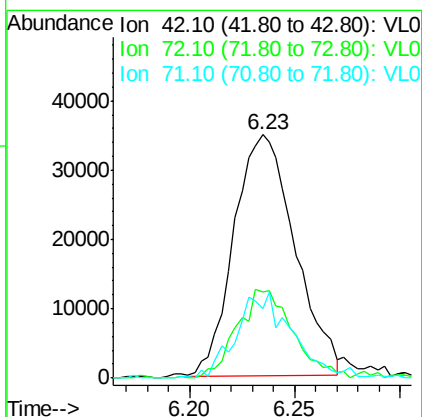
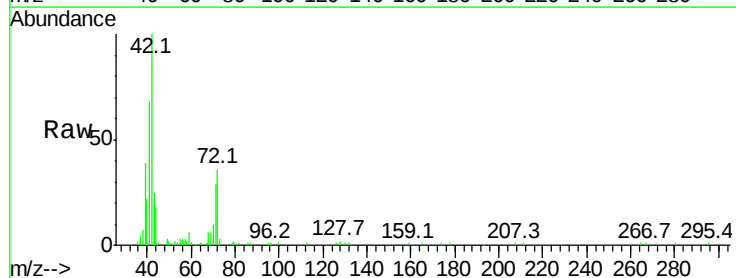
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

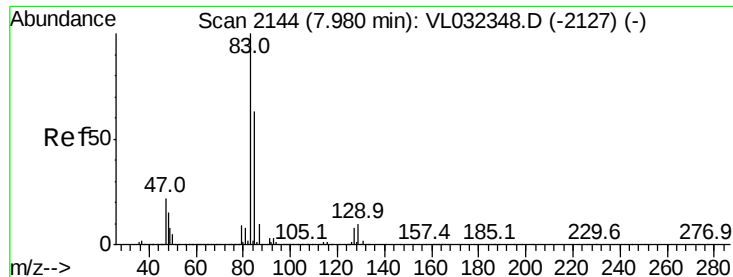
Tgt Ion	Ratio	Lower	Upper
63	100		
41	66.2	52.5	78.7
62	60.9	54.6	81.8



#41
 Tetrahydrofuran
 Concen: 0.391 ppbv
 RT: 6.23 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: VL032351.D
 Acq: 15 Aug 2018 11:56

Tgt Ion	Ratio	Lower	Upper
42	100		
72	34.9	28.6	42.8
71	33.1	27.8	41.6





#42

Bromodichloromethane

Concen: 0.390 ppbv

RT: 7.98 min Scan# 2143

Delta R.T. -0.03 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

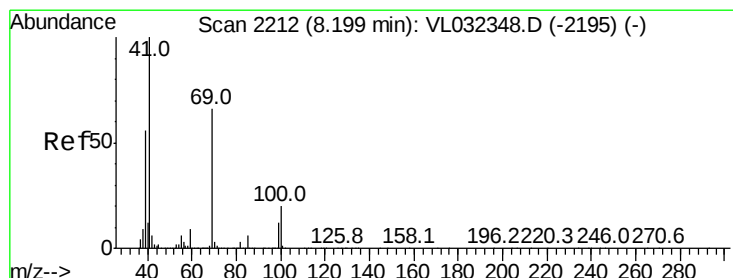
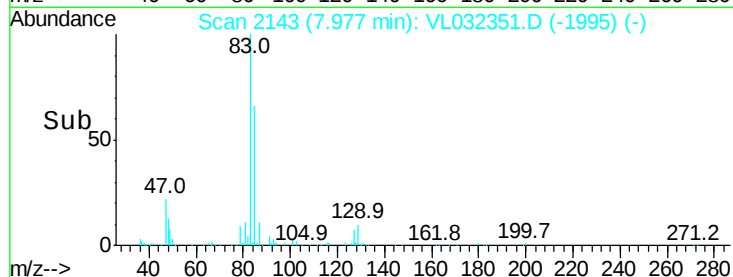
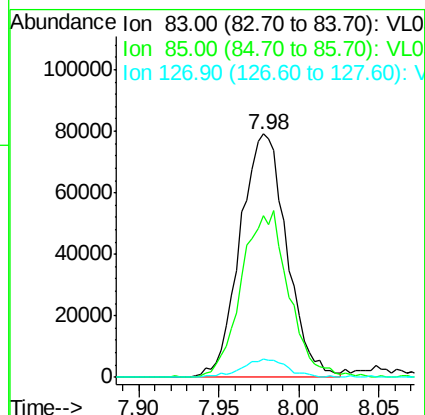
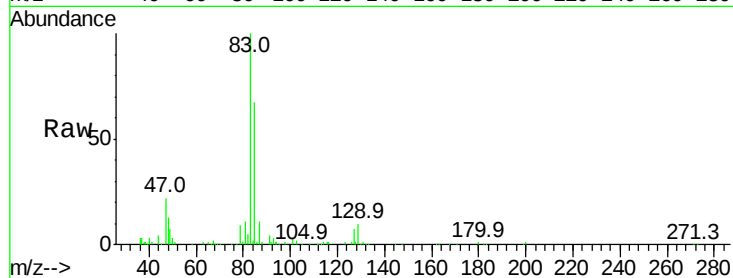
Tgt Ion: 83 Resp: 157302

Ion Ratio Lower Upper

83 100

85 66.7 50.7 76.1

127 7.4 6.0 9.0



#43

Methyl Methacrylate

Concen: 0.312 ppbv

RT: 8.21 min Scan# 2214

Delta R.T. -0.01 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

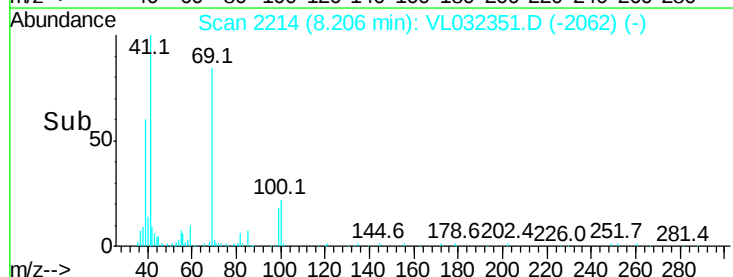
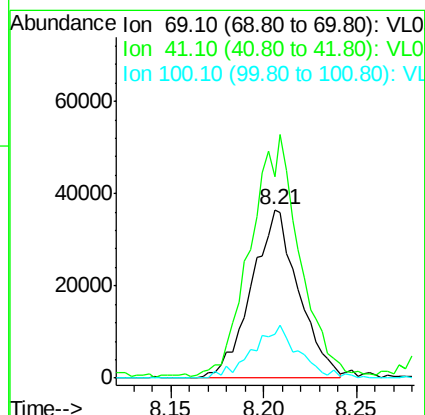
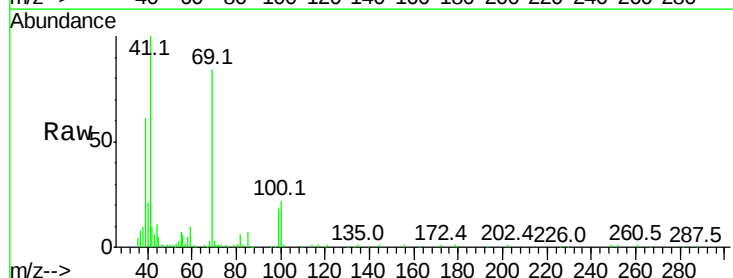
Tgt Ion: 69 Resp: 64501

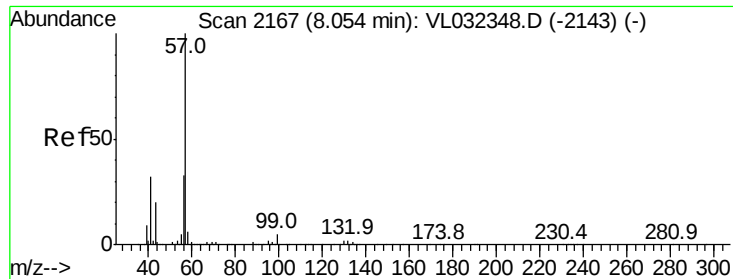
Ion Ratio Lower Upper

69 100

41 152.1 120.6 180.8

100 30.8 23.2 34.8

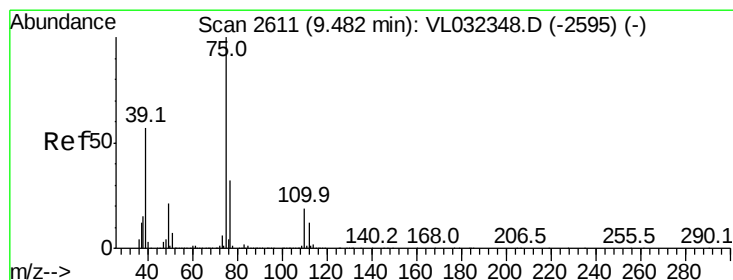
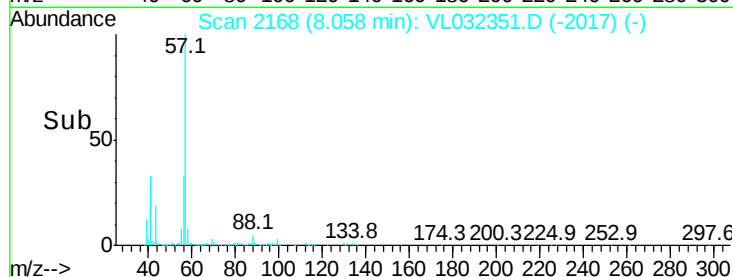
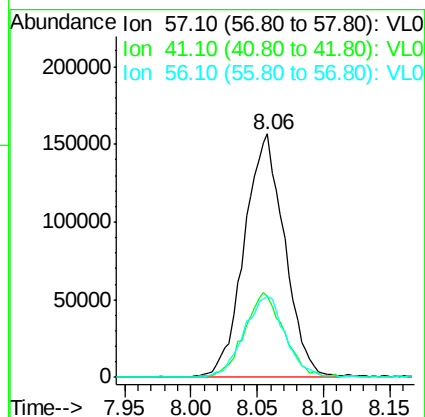
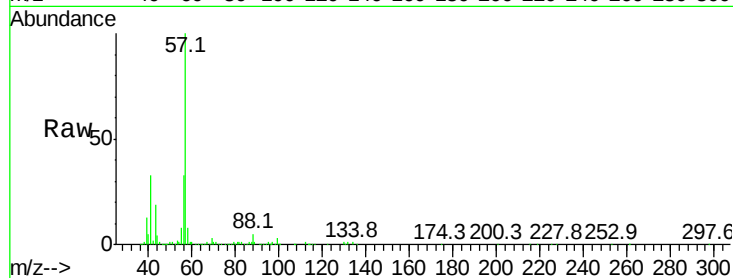




#44
 2,2,4-Trimethylpentane
 Concen: 0.354 ppbv
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.02 min
 Lab File: VL032351.D
 Acq: 15 Aug 2018 11:56

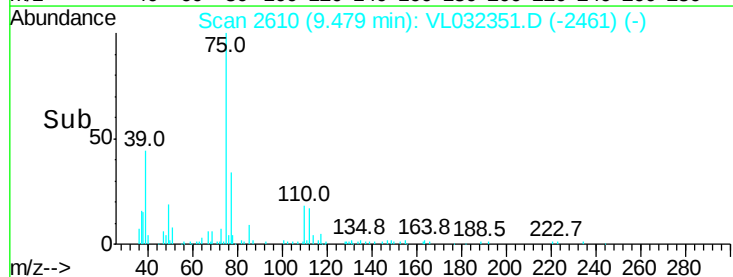
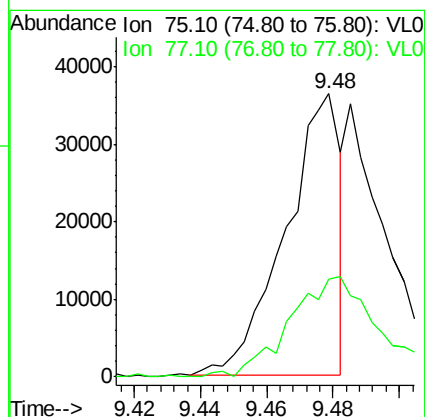
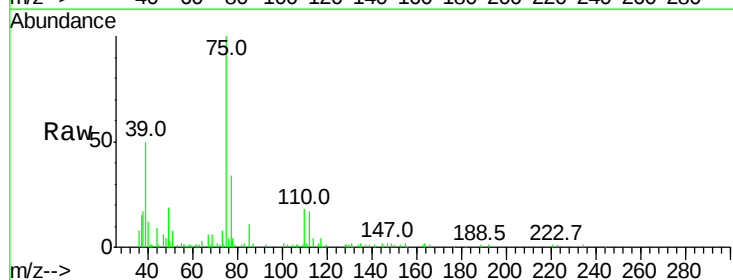
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

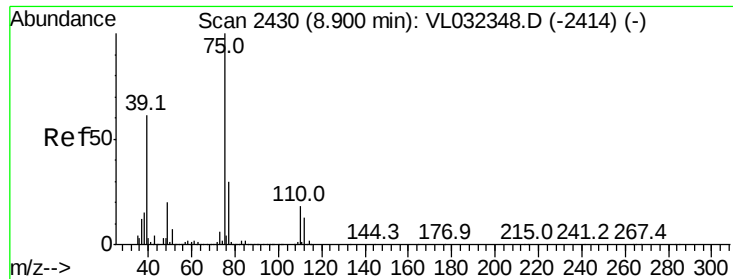
Tgt Ion: 57 Resp: 331000
 Ion Ratio Lower Upper
 57 100
 41 34.8 24.3 36.5
 56 34.4 25.4 38.2



#45
 t-1,3-Dichloropropene
 Concen: 0.174 ppbv
 RT: 9.48 min Scan# 2610
 Delta R.T. -0.02 min
 Lab File: VL032351.D
 Acq: 15 Aug 2018 11:56

Tgt Ion: 75 Resp: 41601
 Ion Ratio Lower Upper
 75 100
 77 34.3 26.2 39.4

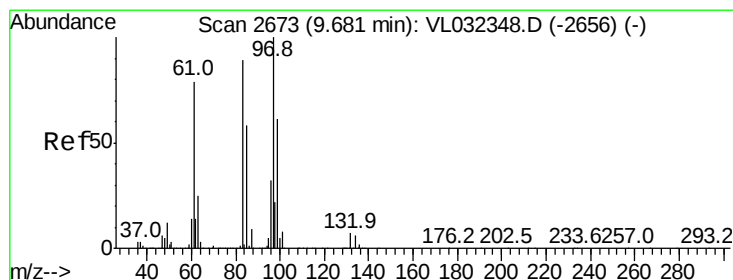
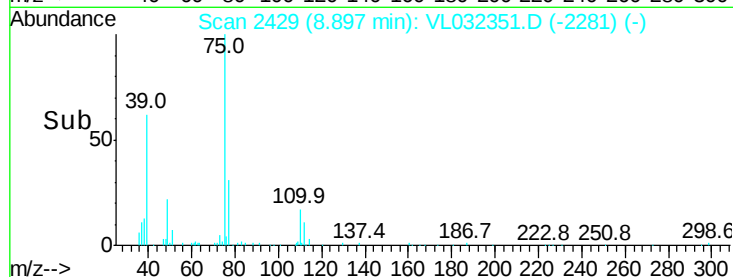
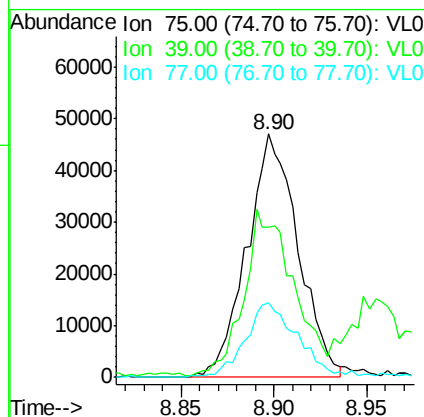
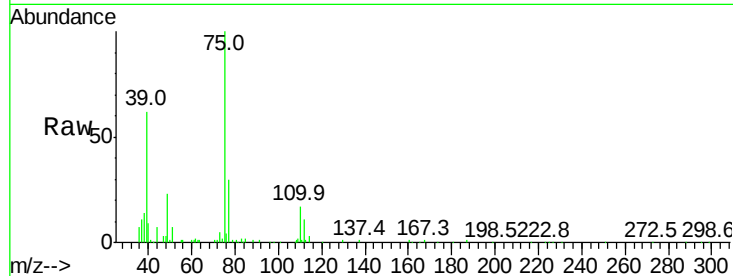




#46
 cis-1,3-Dichloropropene
 Concen: 0.306 ppbv
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.03 min
 Lab File: VL032351.D
 Acq: 15 Aug 2018 11:56

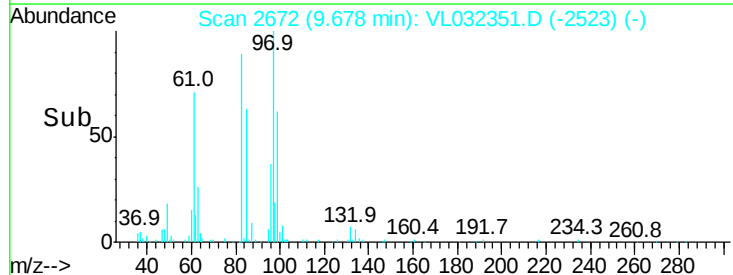
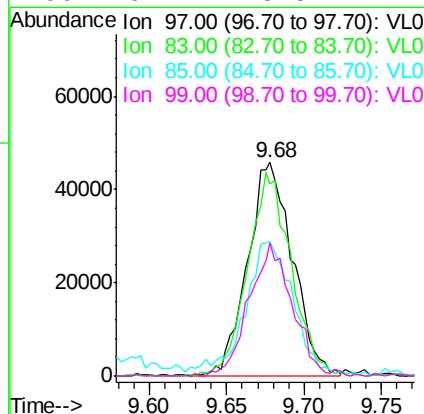
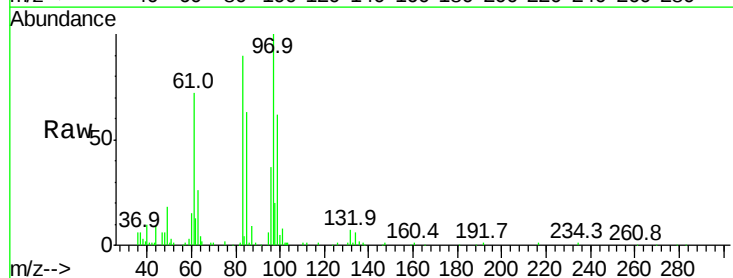
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

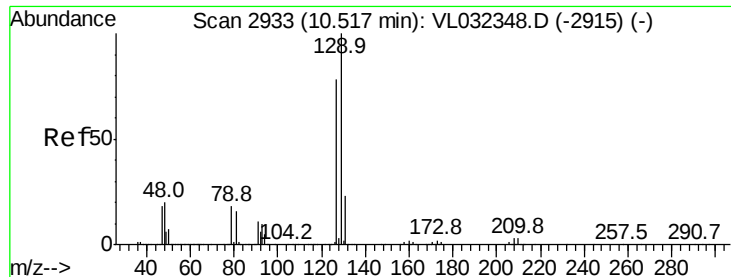
Tgt Ion: 75 Resp: 89950
 Ion Ratio Lower Upper
 75 100
 39 61.0 50.9 76.3
 77 29.9 25.7 38.5



#47
 1,1,2-Trichloroethane
 Concen: 0.440 ppbv
 RT: 9.68 min Scan# 2672
 Delta R.T. -0.02 min
 Lab File: VL032351.D
 Acq: 15 Aug 2018 11:56

Tgt Ion: 97 Resp: 92749
 Ion Ratio Lower Upper
 97 100
 83 89.1 73.0 109.6
 85 60.2 48.1 72.1
 99 62.1 48.5 72.7





#48

Dibromochloromethane

Concen: 0.372 ppbv

RT: 10.51 min Scan# 2932

Delta R.T. -0.03 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

Instrument :

MSVOA_L

ClientSampleId :

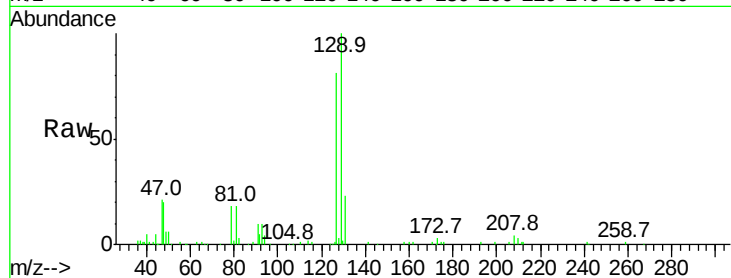
VSTDIC0.5

Tgt Ion:129 Resp: 115511

Ion Ratio Lower Upper

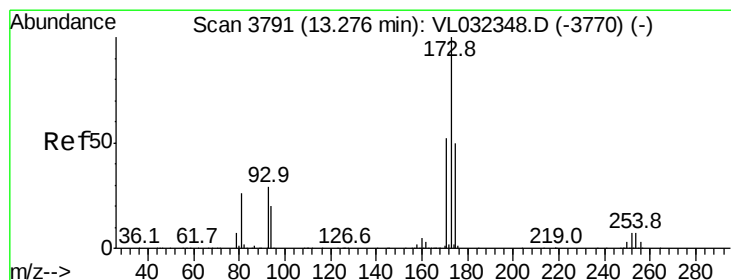
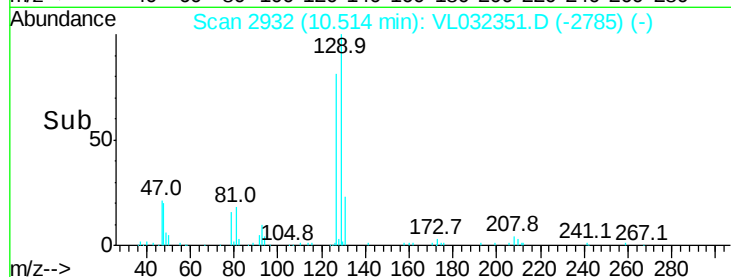
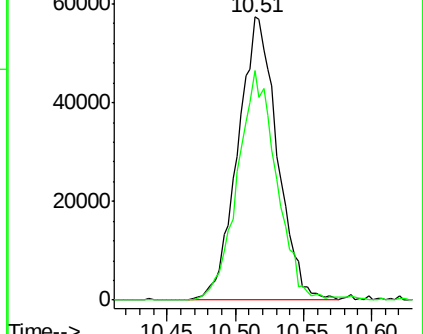
129 100

127 80.4 39.5 118.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#49

Bromoform

Concen: 0.354 ppbv

RT: 13.27 min Scan# 3788

Delta R.T. -0.03 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

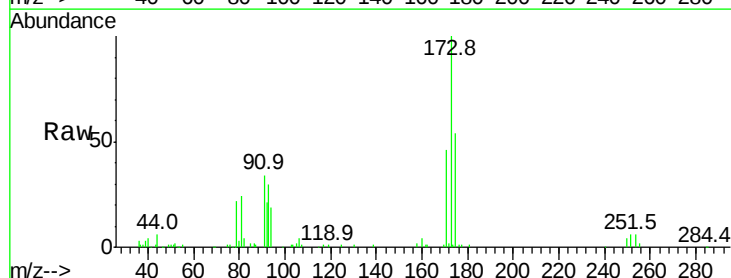
Tgt Ion:173 Resp: 90428

Ion Ratio Lower Upper

173 100

175 51.8 38.9 58.3

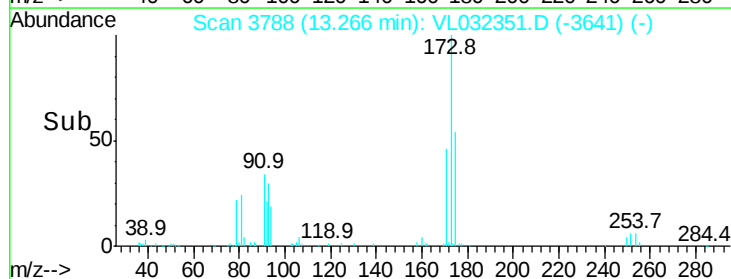
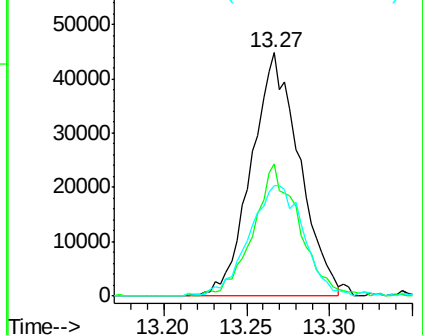
171 51.9 42.2 63.2

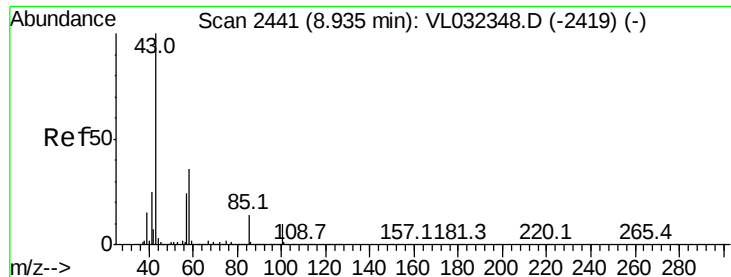


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

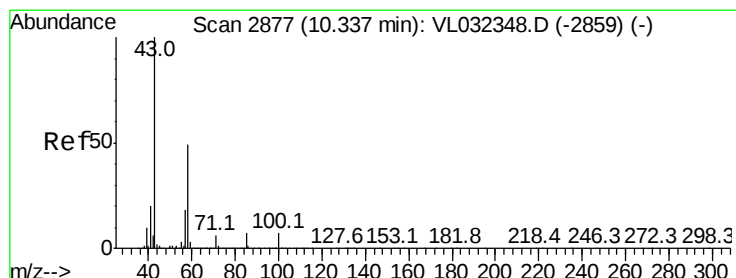
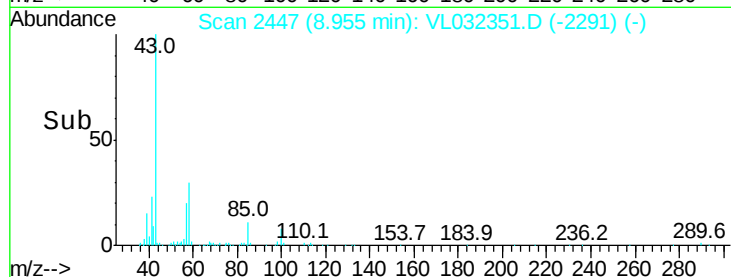
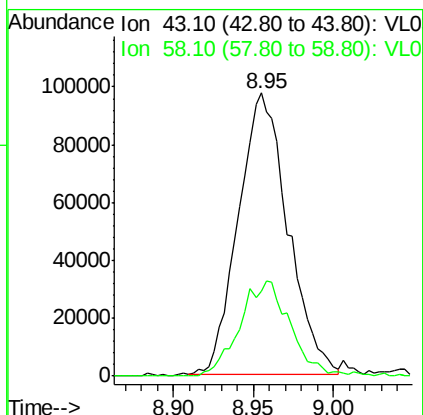
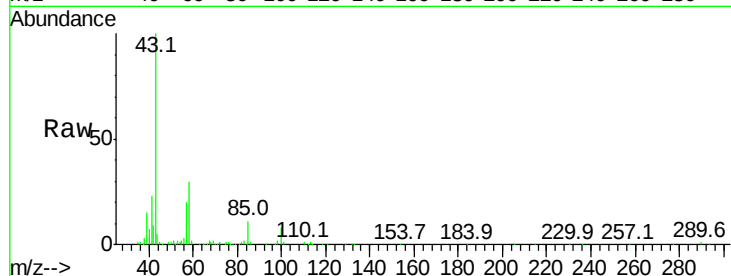




#50
 4-Methyl-2-Pentanone
 Concen: 0.371 ppbv
 RT: 8.95 min Scan# 2447
 Delta R.T. 0.00 min
 Lab File: VL032351.D
 Acq: 15 Aug 2018 11:56

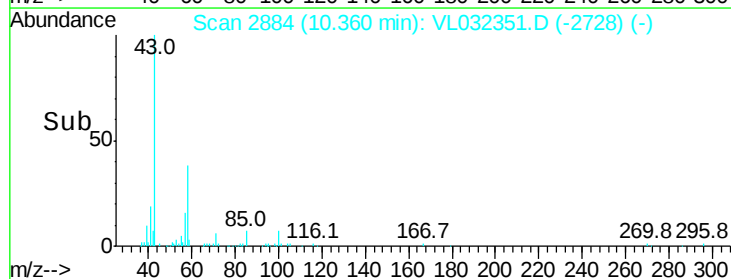
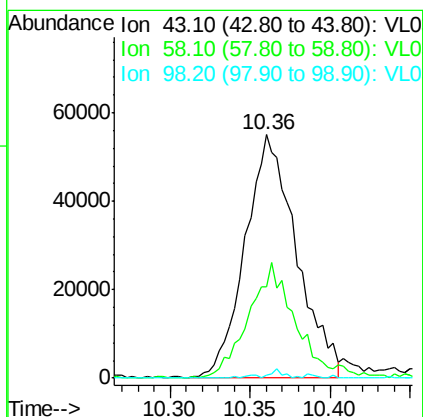
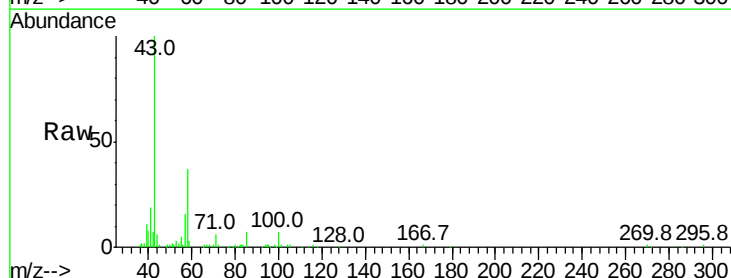
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

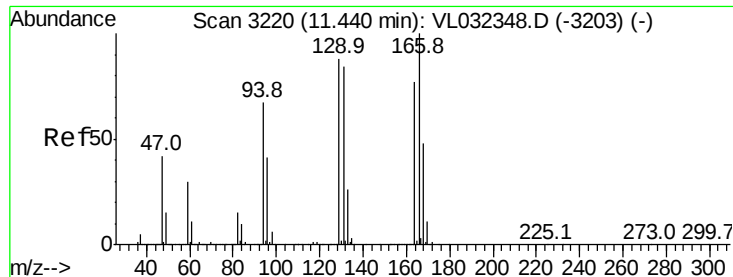
Tgt Ion: 43 Resp: 206748
 Ion Ratio Lower Upper
 43 100
 58 34.7 28.9 43.3



#51
 2-Hexanone
 Concen: 0.286 ppbv
 RT: 10.36 min Scan# 2884
 Delta R.T. 0.00 min
 Lab File: VL032351.D
 Acq: 15 Aug 2018 11:56

Tgt Ion: 43 Resp: 121471
 Ion Ratio Lower Upper
 43 100
 58 44.1 39.1 58.7
 98 1.8 0.3 0.5#





#52

Tetrachloroethene

Concen: 0.413 ppbv

RT: 11.44 min Scan# 3221

Delta R.T. -0.02 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:164 Resp: 59904

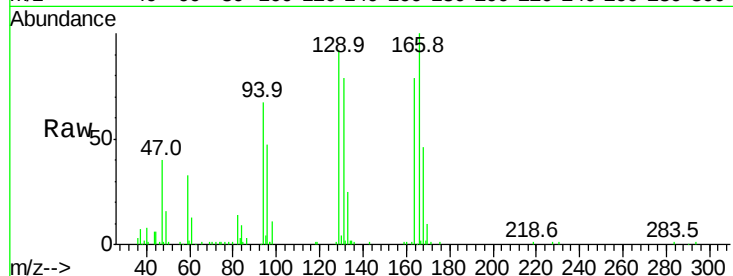
Ion Ratio Lower Upper

164 100

166 124.5 100.0 150.0

129 115.6 87.9 131.9

131 97.0 83.8 125.8

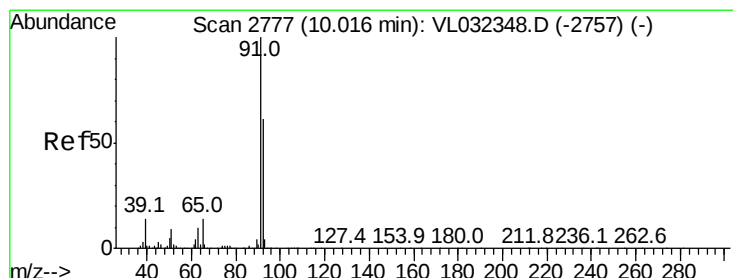
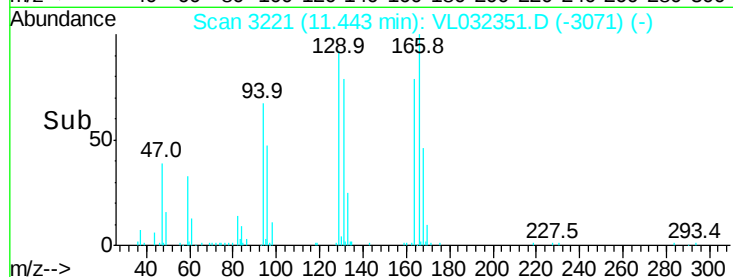
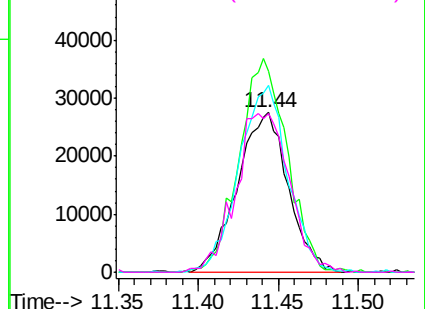


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.332 ppbv

RT: 10.02 min Scan# 2777

Delta R.T. -0.02 min

Lab File: VL032351.D

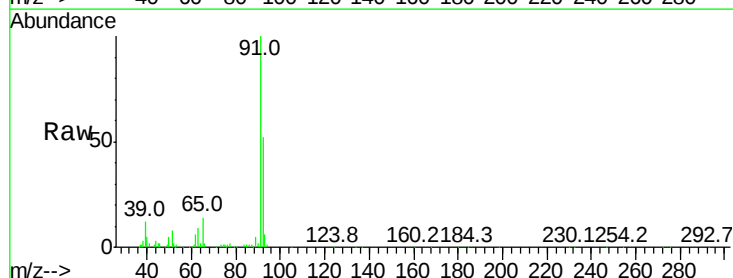
Acq: 15 Aug 2018 11:56

Tgt Ion: 91 Resp: 170831

Ion Ratio Lower Upper

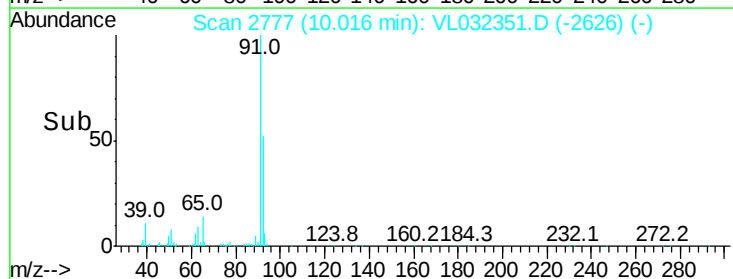
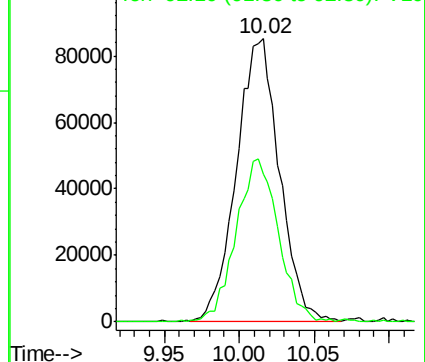
91 100

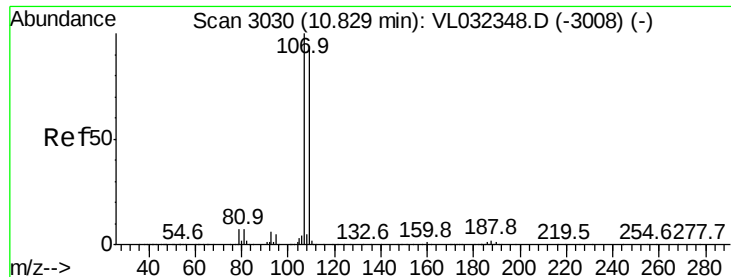
92 57.0 48.6 72.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#54

1,2-Dibromoethane

Concen: 0.365 ppbv

RT: 10.83 min Scan# 3029

Delta R.T. -0.03 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

Instrument :

MSVOA_L

ClientSampleId :

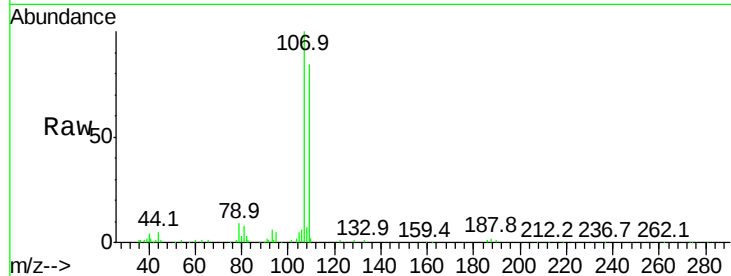
VSTDIC0.5

Tgt Ion:107 Resp: 109362

Ion Ratio Lower Upper

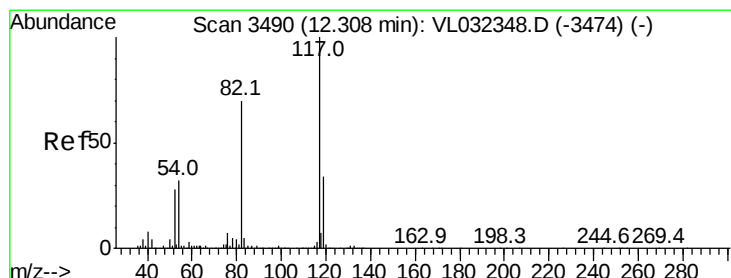
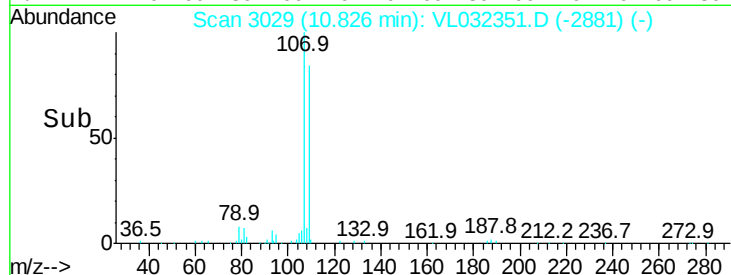
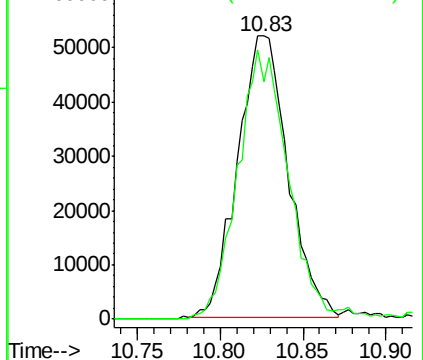
107 100

109 84.1 74.1 111.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.31 min Scan# 3489

Delta R.T. -0.02 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

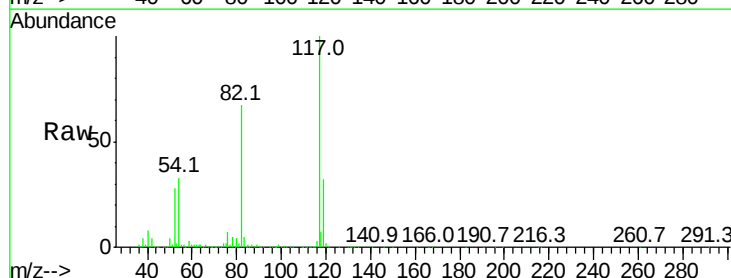
Tgt Ion:117 Resp: 4620083

Ion Ratio Lower Upper

117 100

82 67.7 52.6 78.8

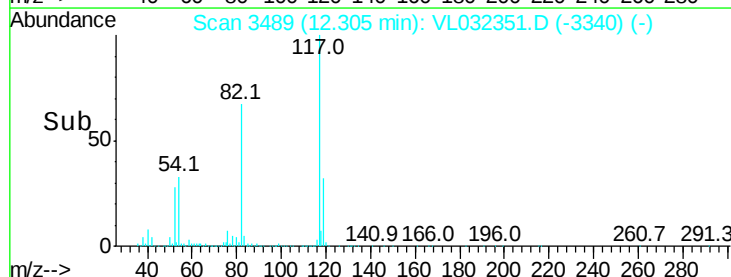
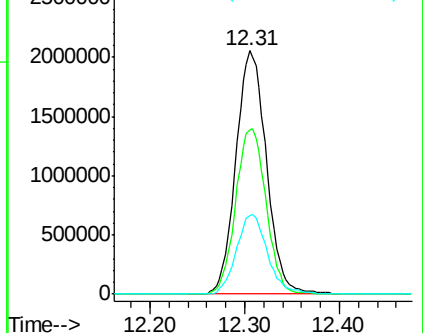
119 33.5 25.7 38.5

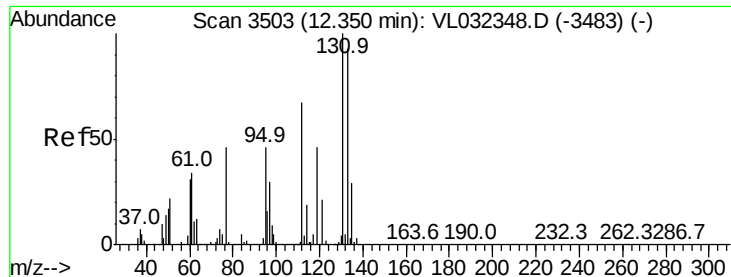


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#56

1,1,1,2-Tetrachloroethane

Concen: 0.537 ppbv

RT: 12.34 min Scan# 3501

Delta R.T. -0.03 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

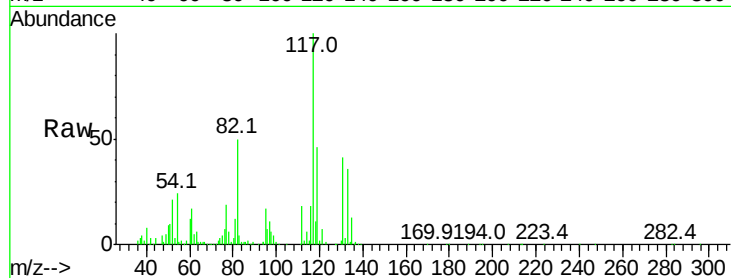
Tgt Ion:131 Resp: 102272

Ion Ratio Lower Upper

131 100

133 90.8 75.8 113.6

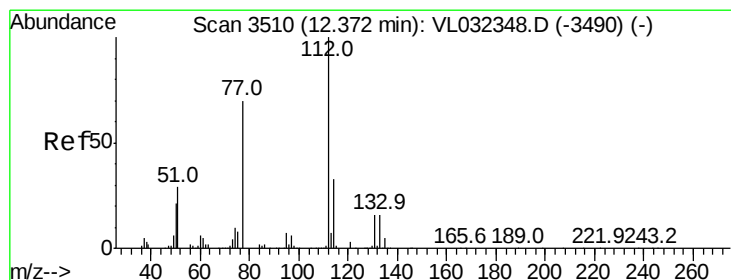
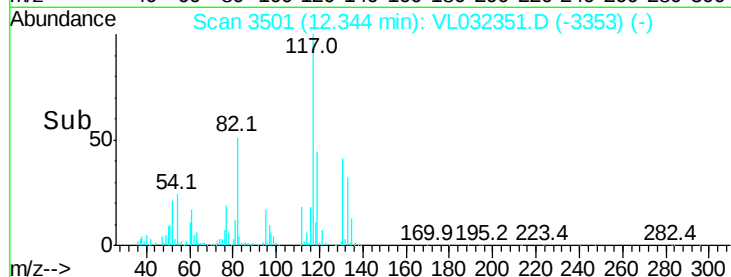
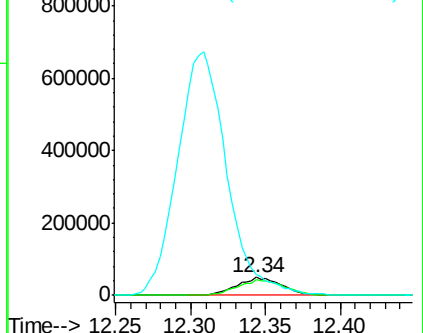
119 1511.4 48.1 72.1#



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#57

Chlorobenzene

Concen: 0.512 ppbv

RT: 12.37 min Scan# 3509

Delta R.T. -0.03 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

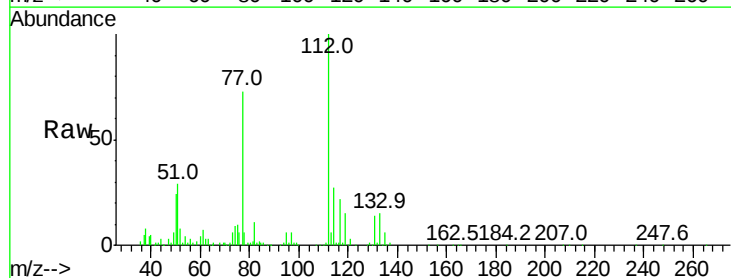
Tgt Ion:112 Resp: 183772

Ion Ratio Lower Upper

112 100

77 71.4 56.5 84.7

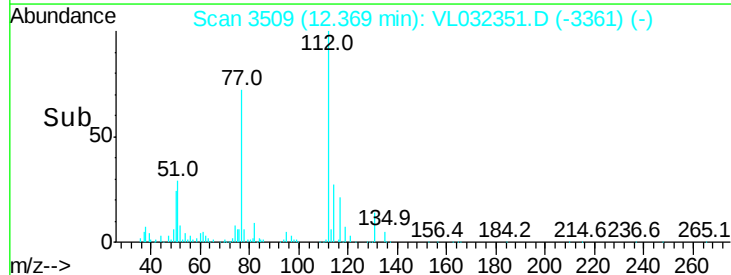
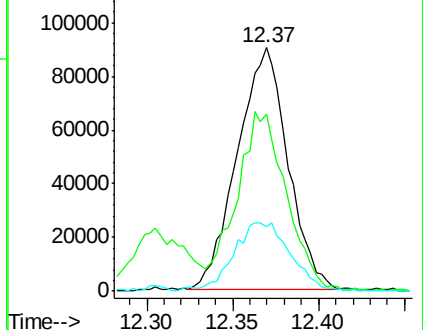
114 26.0 28.4 34.7#

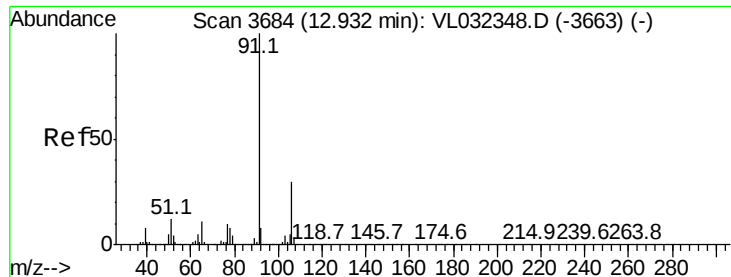


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): V

Ion 114.10 (113.80 to 114.80): V





#58

Ethyl Benzene

Concen: 0.397 ppbv

RT: 12.93 min Scan# 3684

Delta R.T. -0.02 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

Instrument :

MSVOA_L

ClientSampleId :

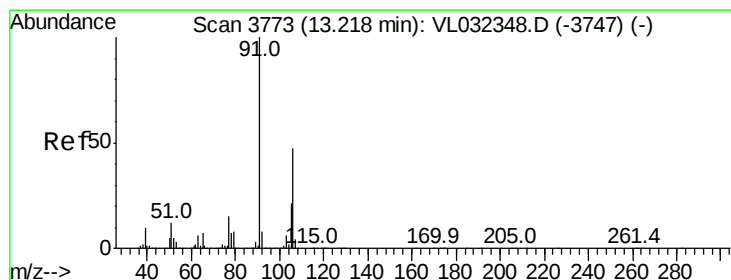
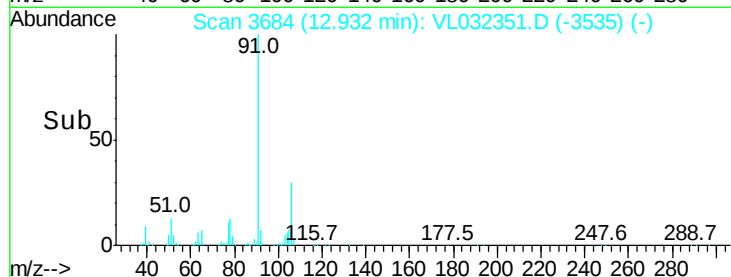
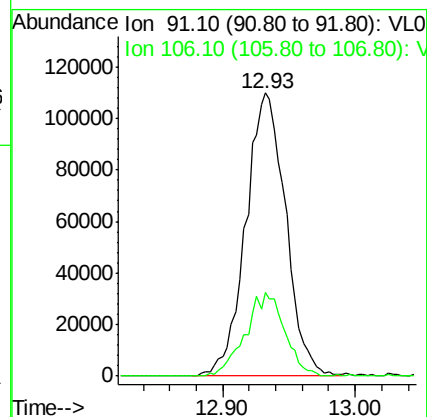
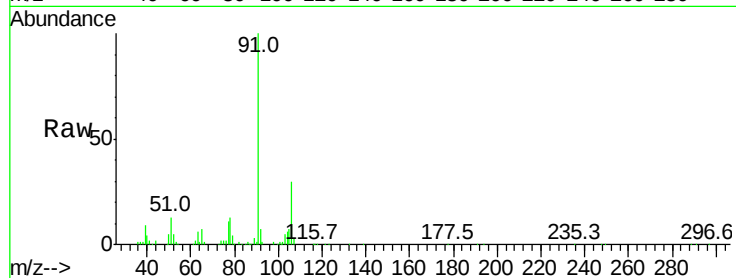
VSTDIC0.5

Tgt Ion: 91 Resp: 230058

Ion Ratio Lower Upper

91 100

106 29.7 25.0 37.4



#59

m/p-Xylene

Concen: 0.308 ppbv

RT: 13.22 min Scan# 3773

Delta R.T. -0.02 min

Lab File: VL032351.D

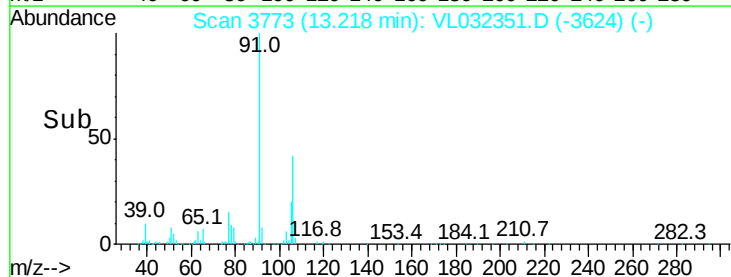
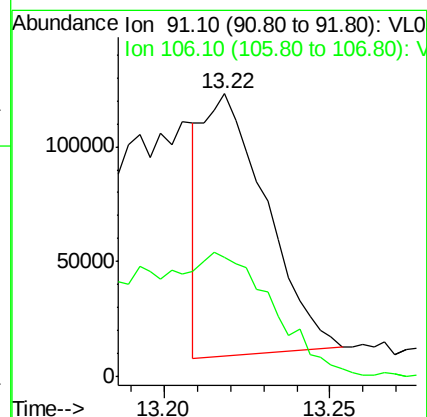
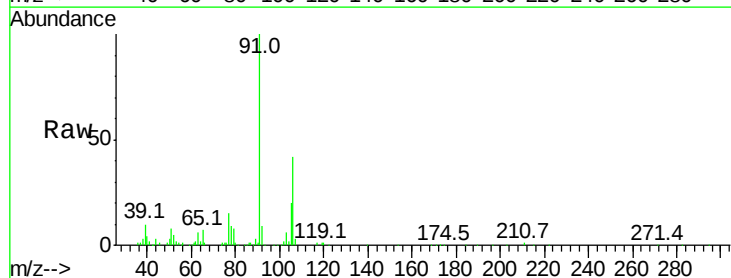
Acq: 15 Aug 2018 11:56

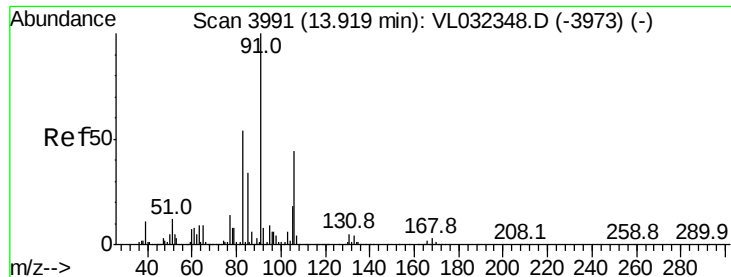
Tgt Ion: 91 Resp: 151859

Ion Ratio Lower Upper

91 100

106 125.9 36.4 54.6#

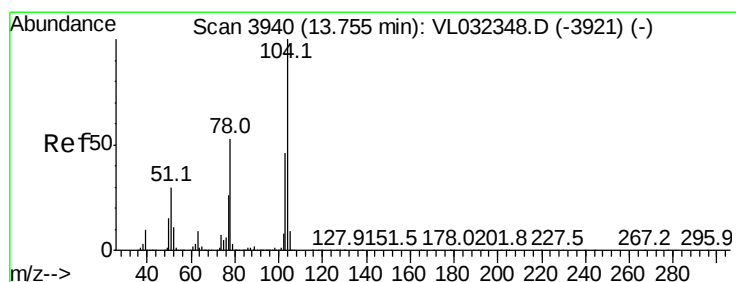
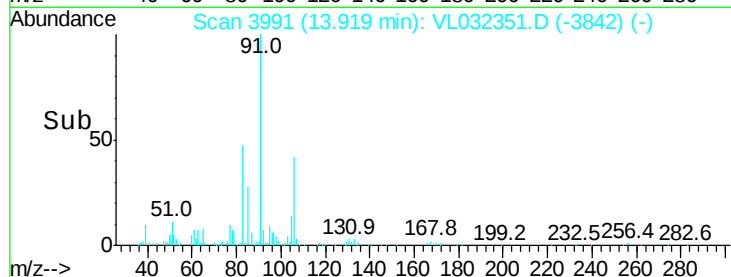
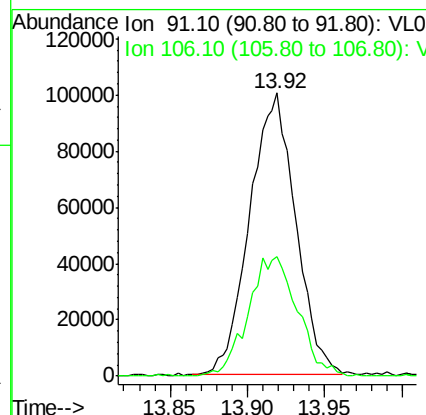
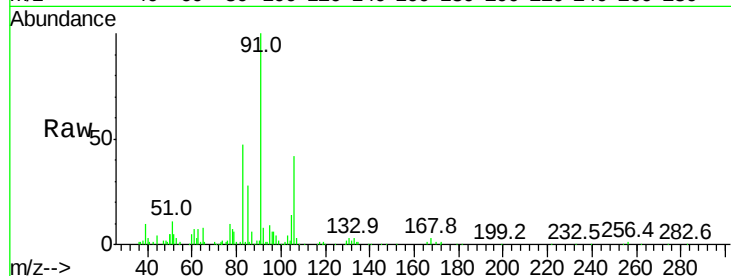




#60
o-Xylene
Concen: 0.427 ppbv
RT: 13.92 min Scan# 3991
Delta R.T. -0.02 min
Lab File: VL032351.D
Acq: 15 Aug 2018 11:56

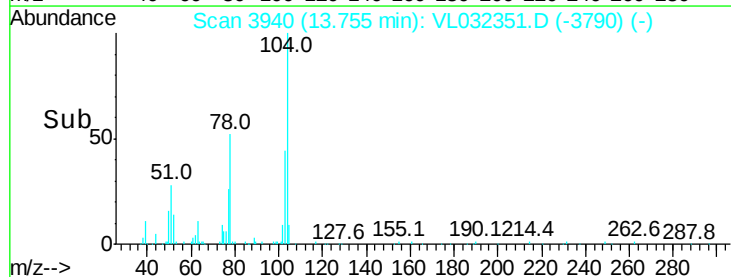
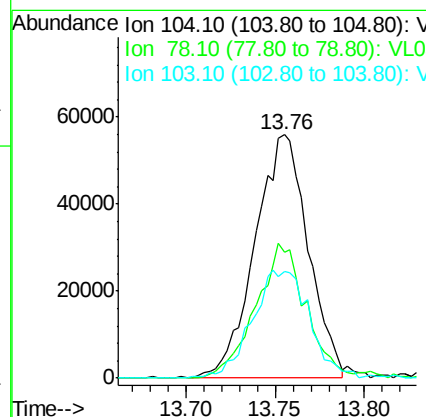
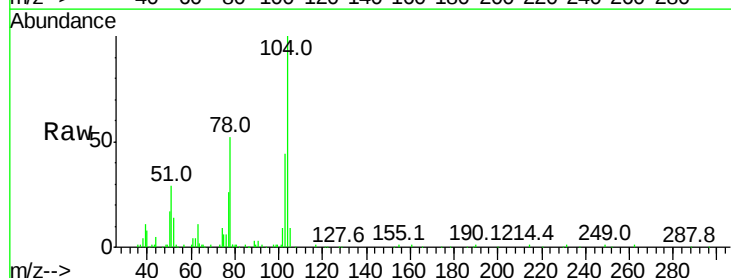
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

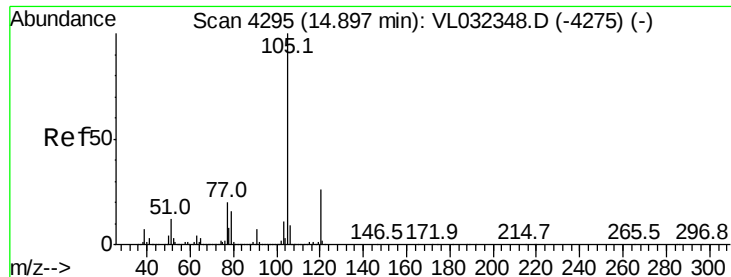
Tgt Ion: 91 Resp: 206490
Ion Ratio Lower Upper
91 100
106 45.7 22.4 67.0



#61
Styrene
Concen: 0.328 ppbv
RT: 13.76 min Scan# 3940
Delta R.T. -0.02 min
Lab File: VL032351.D
Acq: 15 Aug 2018 11:56

Tgt Ion: 104 Resp: 116637
Ion Ratio Lower Upper
104 100
78 53.9 42.6 63.8
103 48.1 38.0 57.0





#62

Isopropylbenzene

Concen: 0.445 ppbv

RT: 14.90 min Scan# 4295

Delta R.T. -0.02 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

Instrument :

MSVOA_L

ClientSampleId :

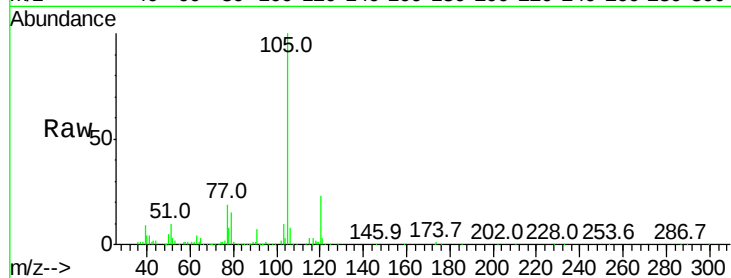
VSTDIC0.5

Tgt Ion: 105 Resp: 305942

Ion Ratio Lower Upper

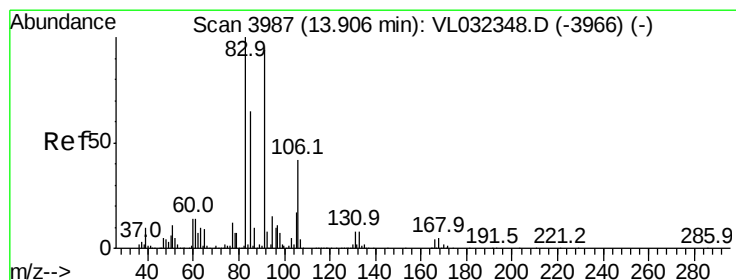
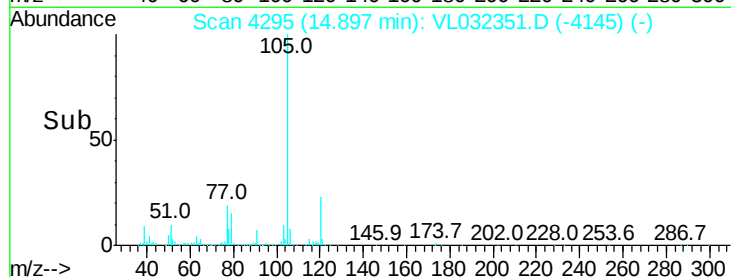
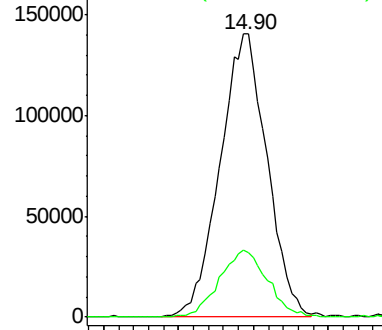
105 100

120 24.4 20.4 30.6



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: 0.530 ppbv

RT: 13.90 min Scan# 3986

Delta R.T. -0.02 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

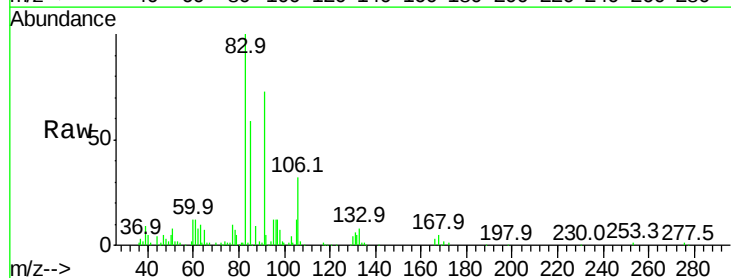
Tgt Ion: 83 Resp: 208382

Ion Ratio Lower Upper

83 100

131 8.3 4.3 12.8

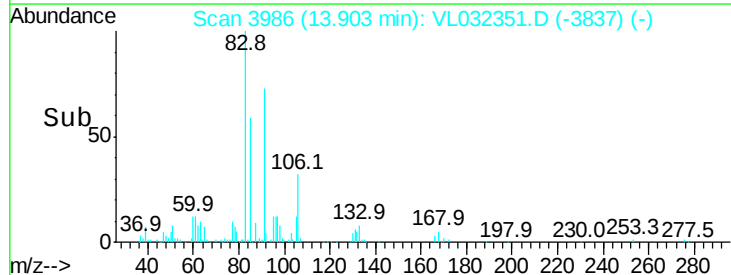
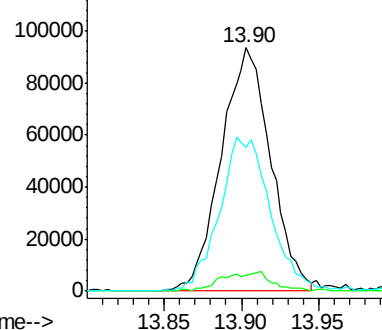
85 66.3 32.6 97.7

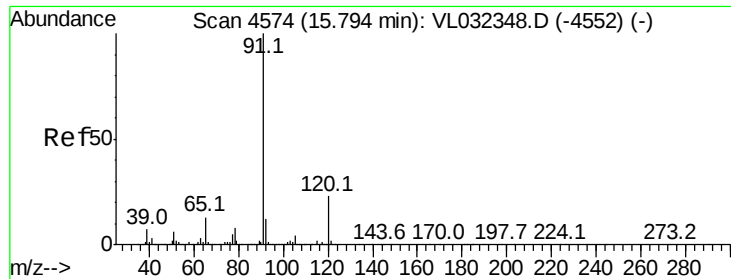


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0





#64

n-propylbenzene

Concen: 0.244 ppbv

RT: 15.78 min Scan# 4571

Delta R.T. -0.03 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

Instrument :

MSVOA_L

ClientSampleId :

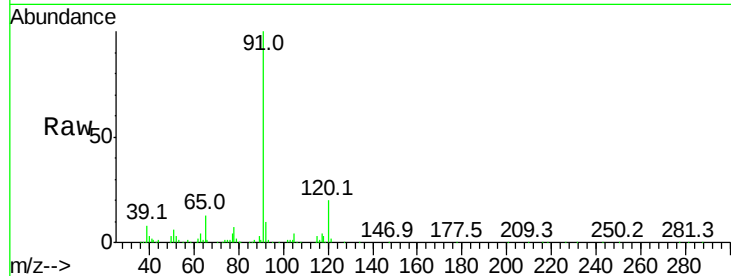
VSTDIC0.5

Tgt Ion:120 Resp: 43555

Ion Ratio Lower Upper

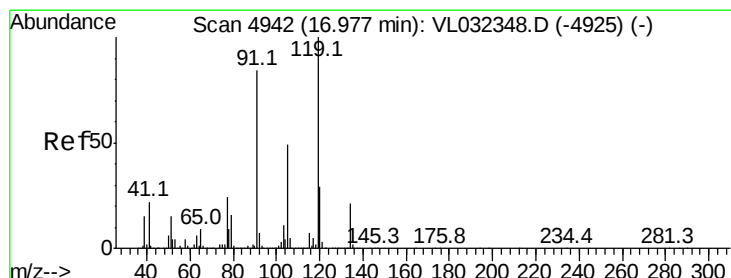
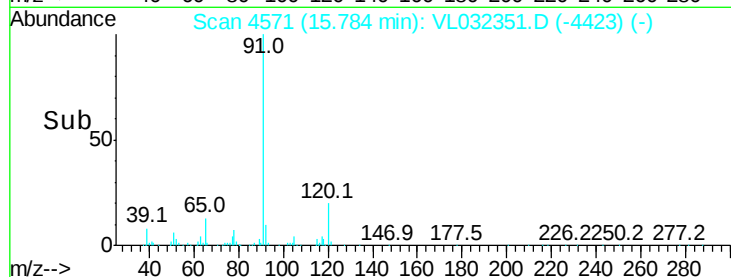
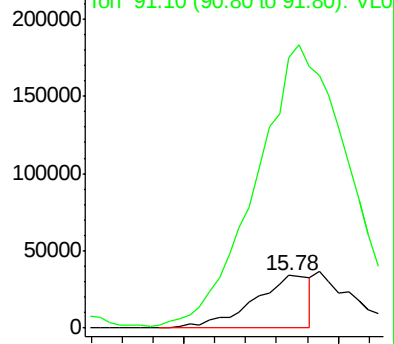
120 100

91 899.4 381.8 572.8#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.439 ppbv

RT: 16.97 min Scan# 4941

Delta R.T. -0.02 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

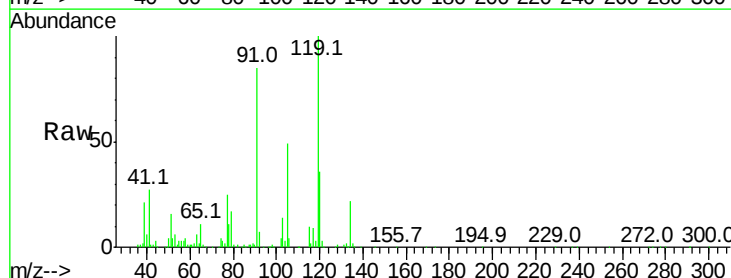
Tgt Ion:119 Resp: 254989

Ion Ratio Lower Upper

119 100

91 85.8 67.5 101.3

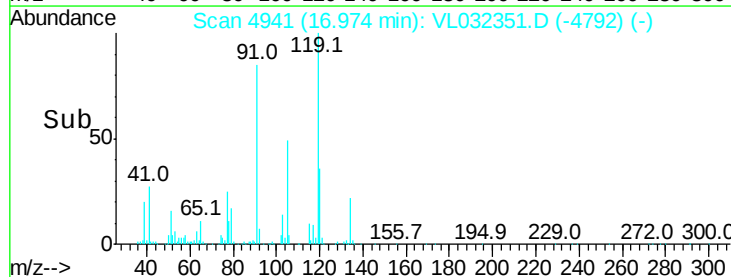
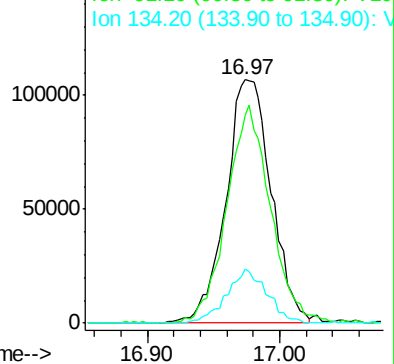
134 20.1 15.8 23.6

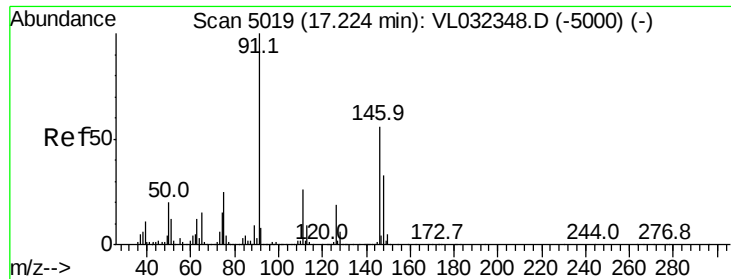


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

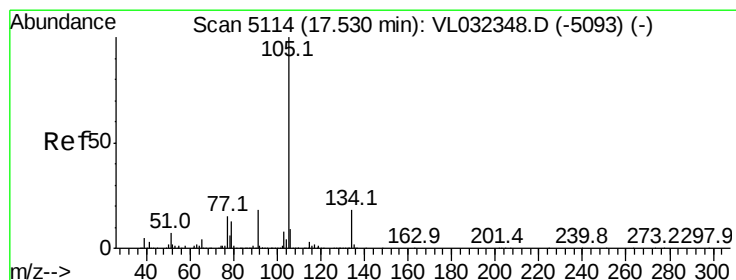
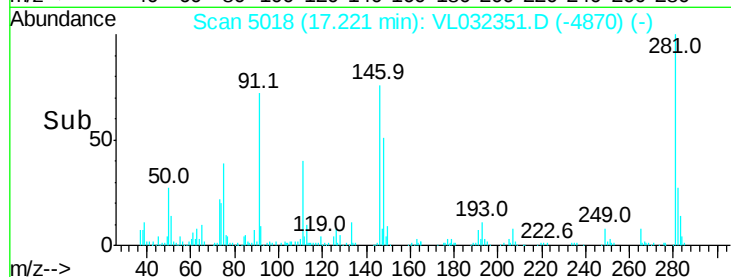
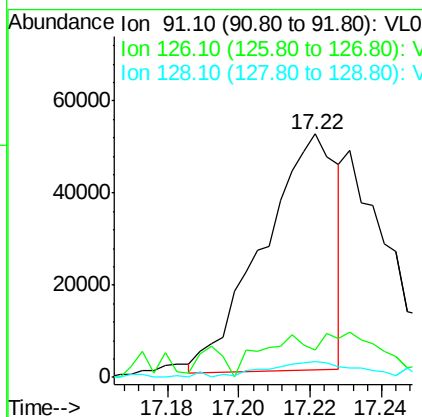
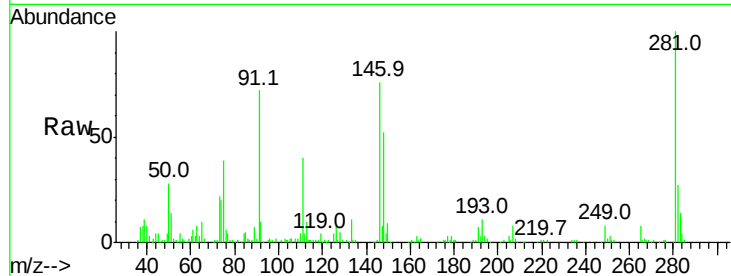




#66
Benzyl Chloride
Concen: 0.213 ppbv
RT: 17.22 min Scan# 5018
Delta R.T. -0.03 min
Lab File: VL032351.D
Acq: 15 Aug 2018 11:56

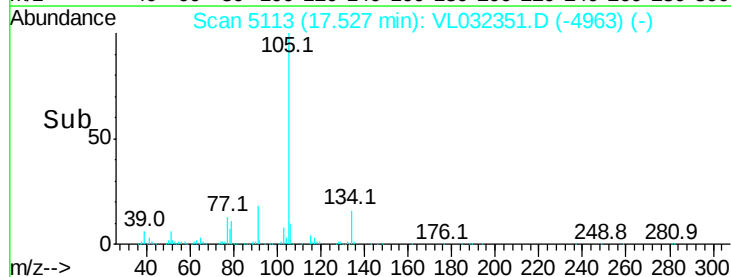
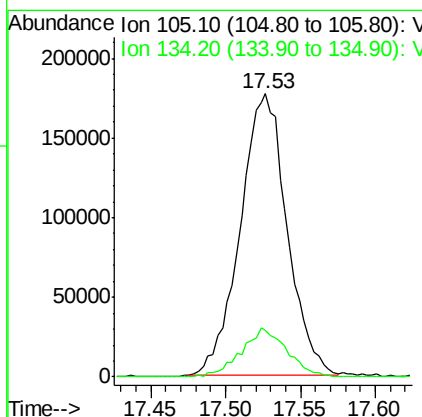
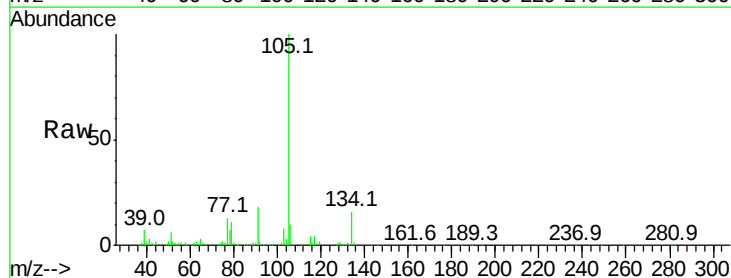
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

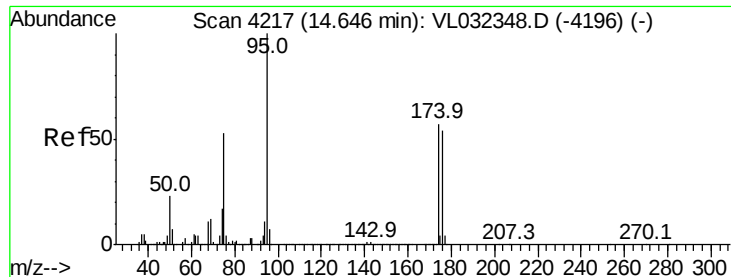
Tgt Ion: 91 Resp: 73583
Ion Ratio Lower Upper
91 100
126 0.0 13.7 20.5#
128 10.5 4.3 6.5#



#67
sec-Butylbenzene
Concen: 0.444 ppbv
RT: 17.53 min Scan# 5113
Delta R.T. -0.02 min
Lab File: VL032351.D
Acq: 15 Aug 2018 11:56

Tgt Ion: 105 Resp: 385442
Ion Ratio Lower Upper
105 100
134 16.8 14.2 21.4



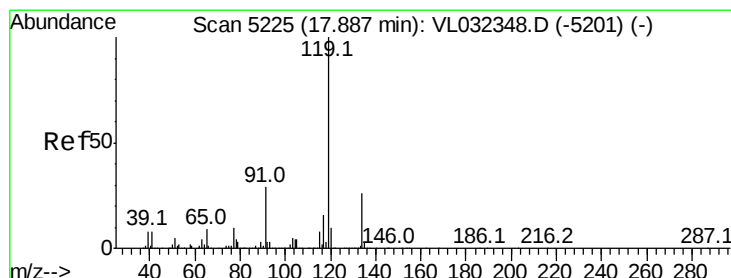
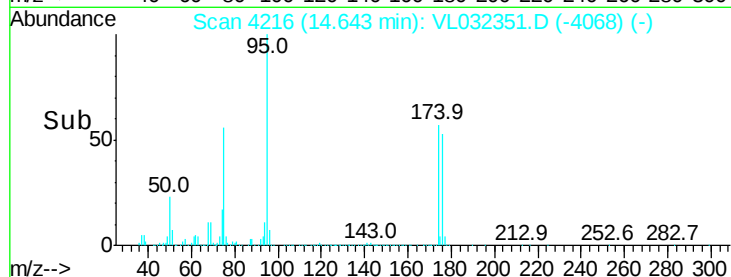
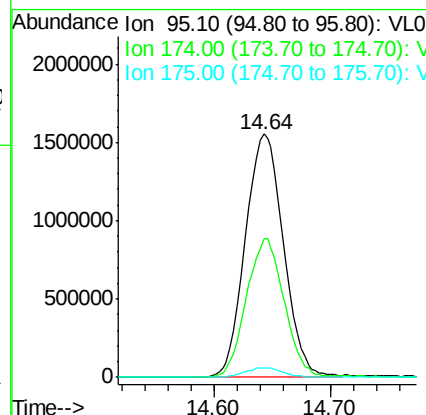
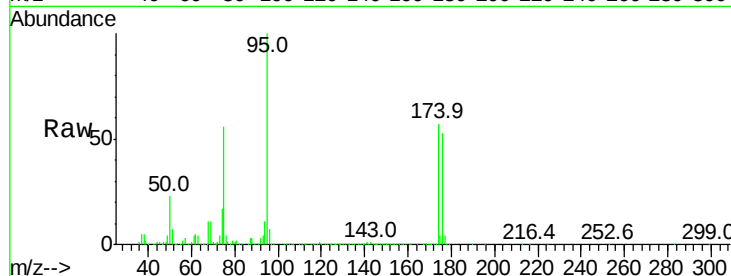


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.913 ppbv
 RT: 14.64 min Scan# 4216
 Delta R.T. -0.03 min
 Lab File: VL032351.D
 Acq: 15 Aug 2018 11:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 95 Resp: 3554897

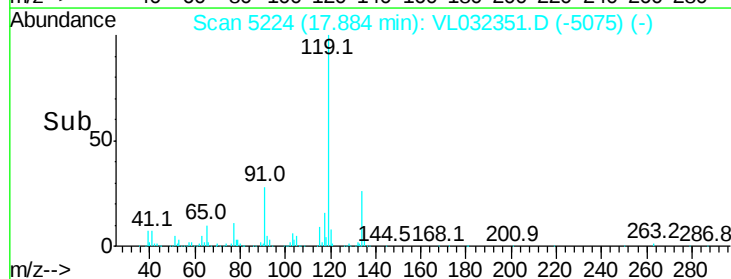
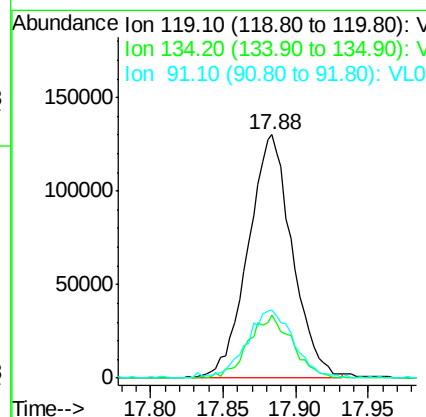
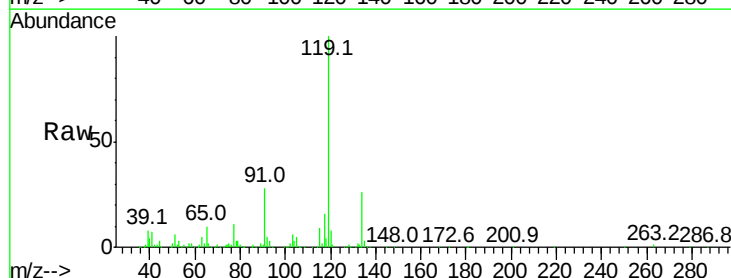
Ion	Ratio	Lower	Upper
95	100		
174	57.3	45.5	68.3
175	4.1	3.3	4.9

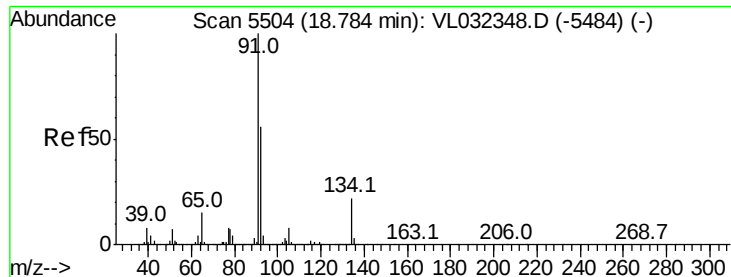


#69
 p-Isopropyltoluene
 Concen: 0.405 ppbv
 RT: 17.88 min Scan# 5224
 Delta R.T. -0.02 min
 Lab File: VL032351.D
 Acq: 15 Aug 2018 11:56

Tgt Ion: 119 Resp: 272435

Ion	Ratio	Lower	Upper
119	100		
134	26.1	20.3	30.5
91	30.8	23.8	35.6

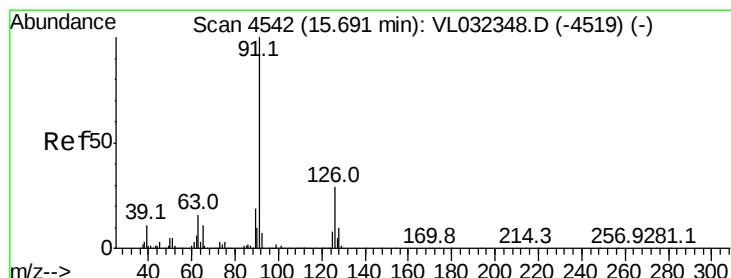
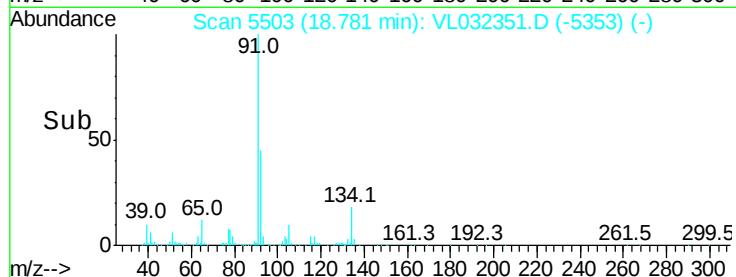
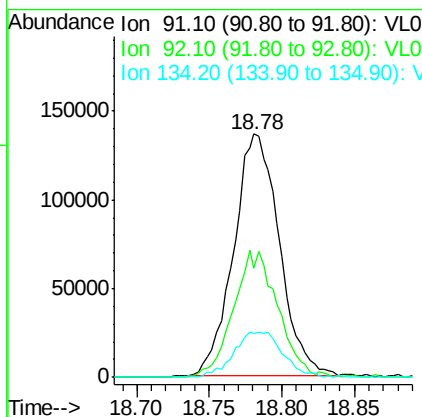
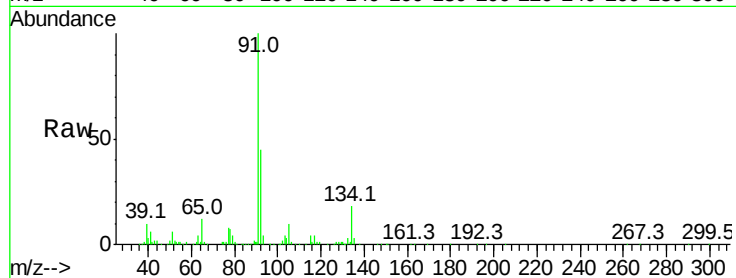




#70
n-Butylbenzene
Concen: 0.382 ppbv
RT: 18.78 min Scan# 5503
Delta R.T. -0.02 min
Lab File: VL032351.D
Acq: 15 Aug 2018 11:56

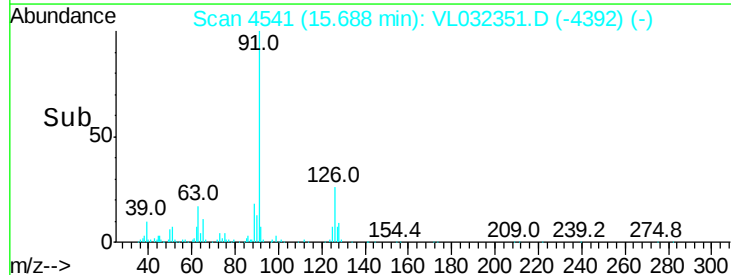
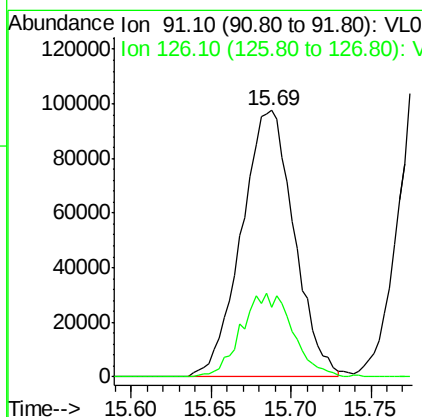
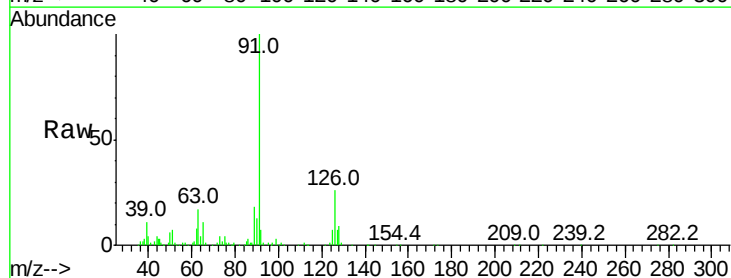
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

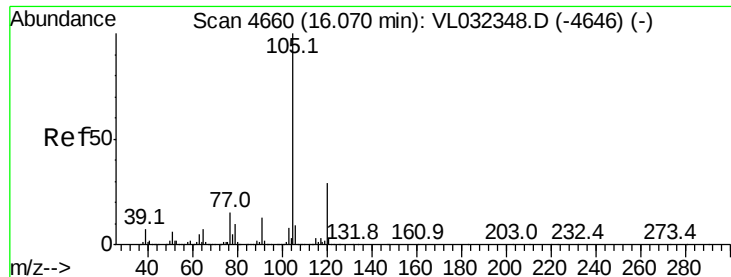
Tgt Ion: 91 Resp: 296882
Ion Ratio Lower Upper
91 100
92 51.5 44.2 66.4
134 20.3 17.4 26.2



#71
2-Chlorotoluene
Concen: 0.405 ppbv
RT: 15.69 min Scan# 4541
Delta R.T. -0.02 min
Lab File: VL032351.D
Acq: 15 Aug 2018 11:56

Tgt Ion: 91 Resp: 218531
Ion Ratio Lower Upper
91 100
126 31.0 11.8 47.0





#72

4-Ethyltoluene

Concen: 0.376 ppbv

RT: 16.07 min Scan# 4660

Delta R.T. -0.02 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

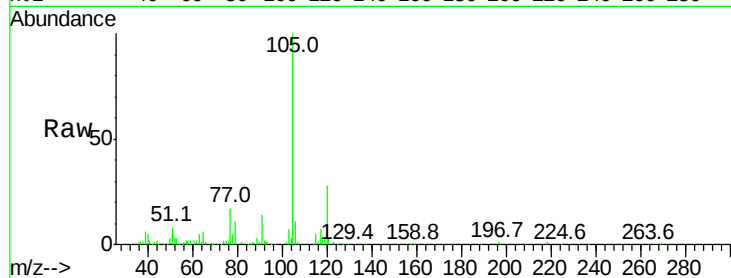
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:	105	Resp:	203888
Ion Ratio	Lower	Upper	
105	100		
120	30.7	23.1	34.7
91	15.7	10.0	15.0
77	17.1	11.5	17.3

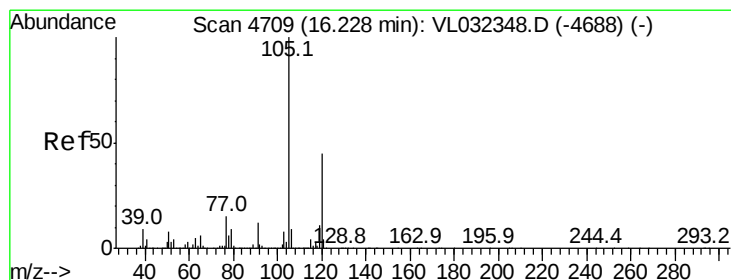
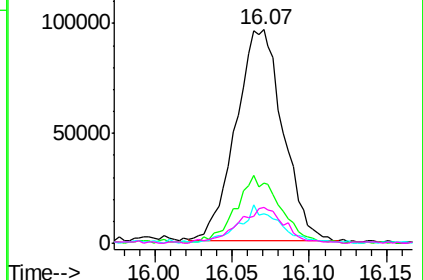
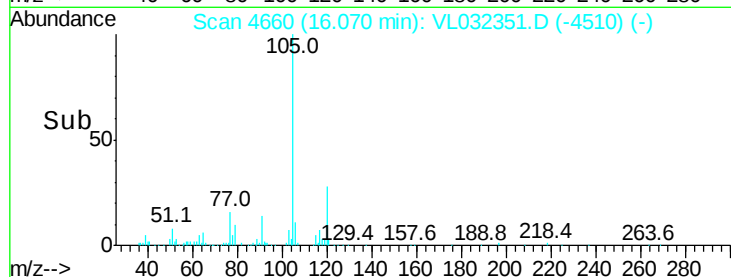


Abundance Ion 105.10 (104.80 to 105.80): V

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



#73

1,3,5-Trimethylbenzene

Concen: 0.392 ppbv

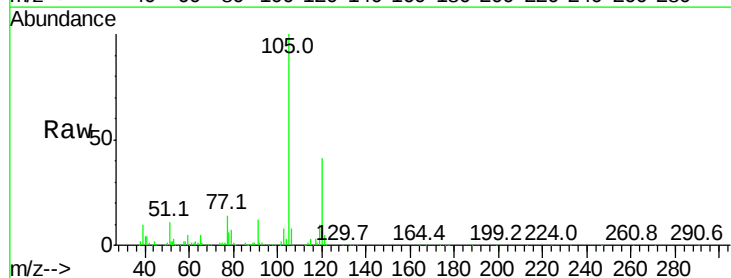
RT: 16.22 min Scan# 4708

Delta R.T. -0.03 min

Lab File: VL032351.D

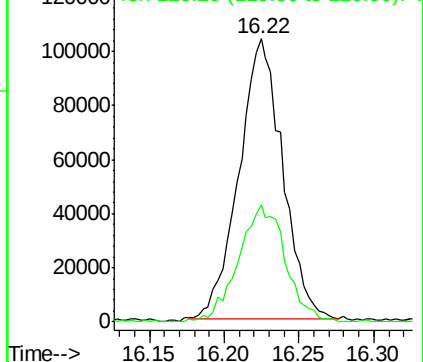
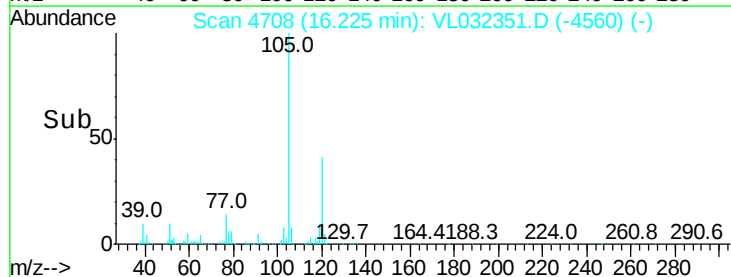
Acq: 15 Aug 2018 11:56

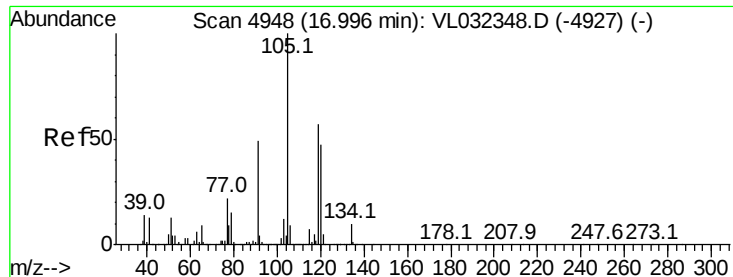
Tgt Ion:	105	Resp:	209066
Ion Ratio	Lower	Upper	
105	100		
120	41.4	36.5	54.7



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: 0.436 ppbv

RT: 16.99 min Scan# 4946

Delta R.T. -0.03 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 245349

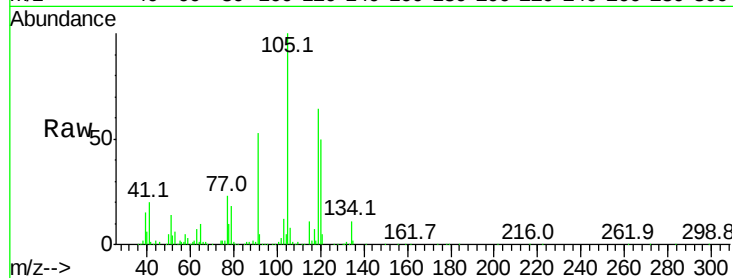
Ion Ratio Lower Upper

105 100

120 48.7 37.8 56.6

91 50.7 39.4 59.0

77 22.5 17.6 26.4

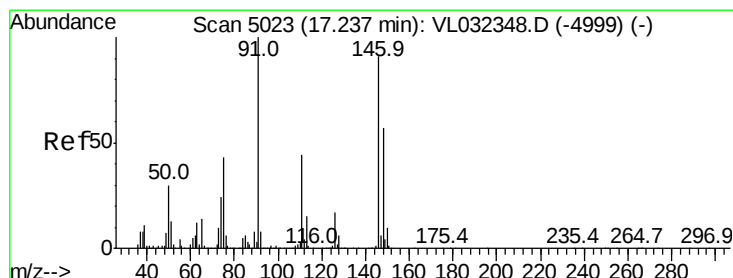
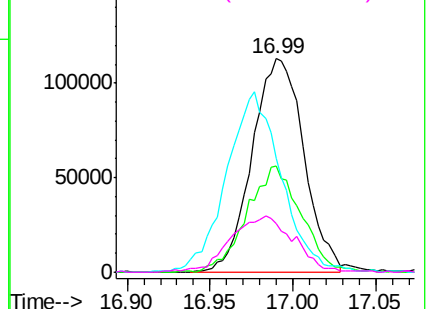
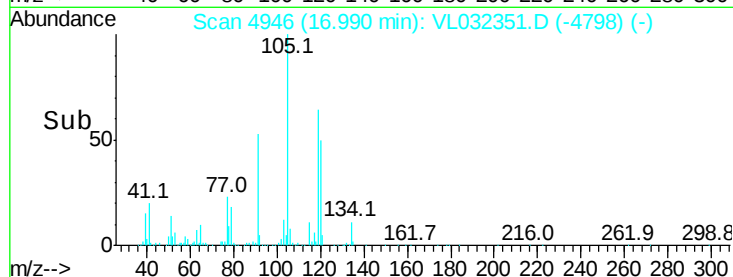


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.517 ppbv

RT: 17.23 min Scan# 5020

Delta R.T. -0.03 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

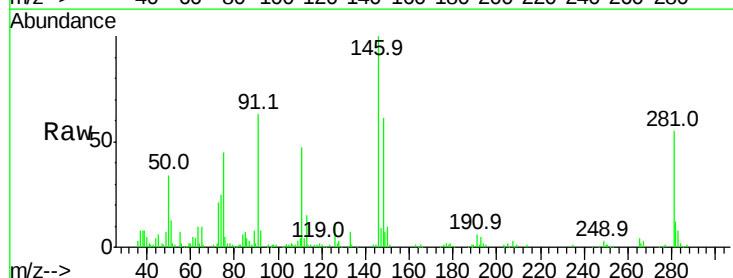
Tgt Ion:146 Resp: 168239

Ion Ratio Lower Upper

146 100

111 50.7 24.6 73.8

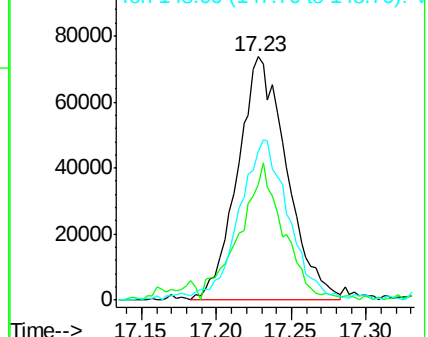
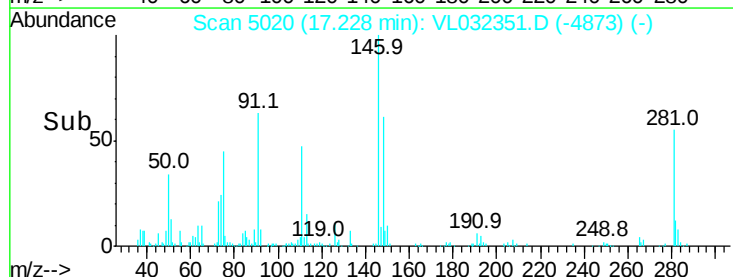
148 68.5 31.6 95.0

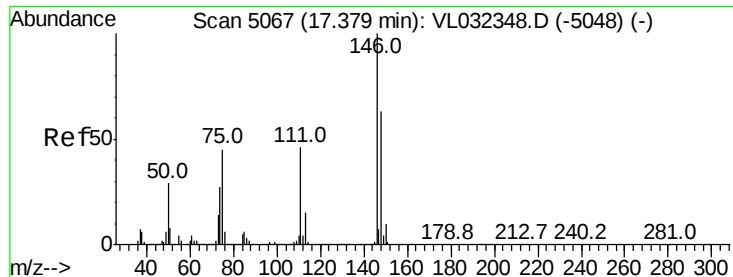


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#76

1,4-Dichlorobenzene

Concen: 0.438 ppbv

RT: 17.37 min Scan# 5065

Delta R.T. -0.03 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

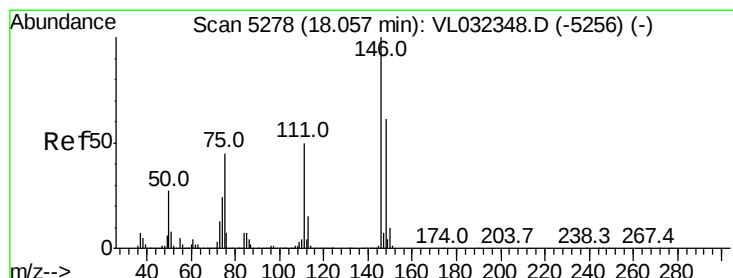
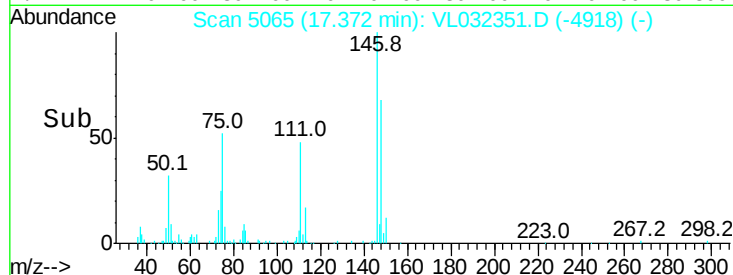
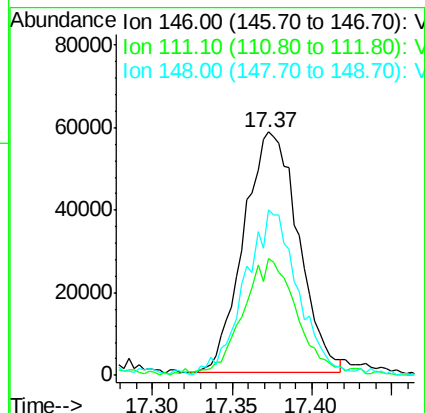
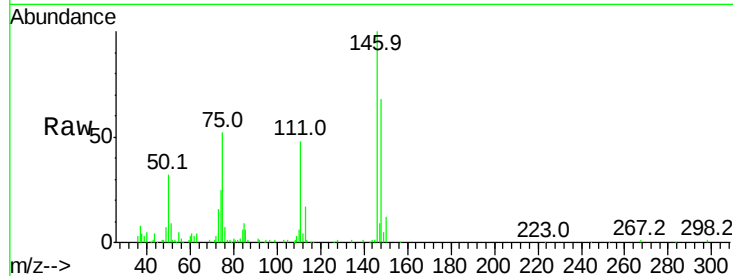
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:	146	Resp:	136800
Ion	Ratio	Lower	Upper
146	100		
111	49.5	23.6	70.8
148	68.1	32.1	96.3



#77

1,2-Dichlorobenzene

Concen: 0.181 ppbv

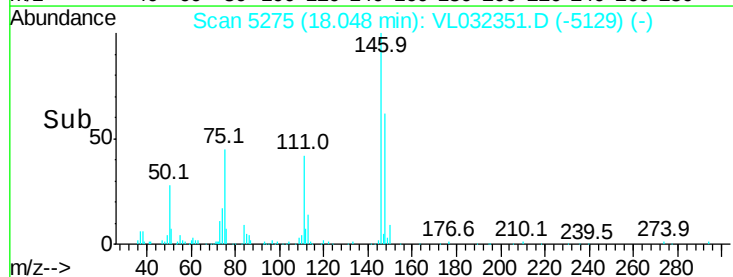
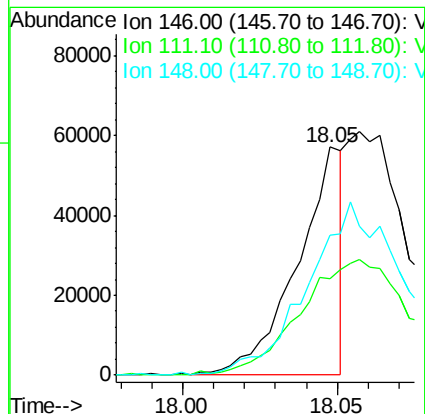
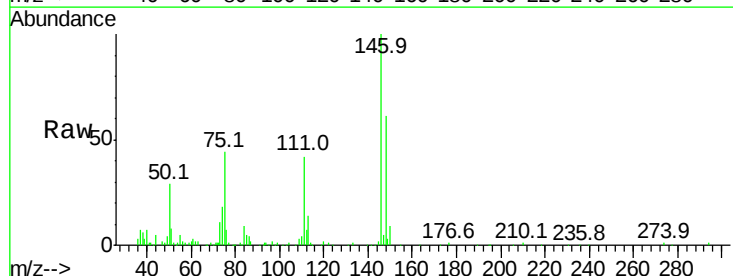
RT: 18.05 min Scan# 5275

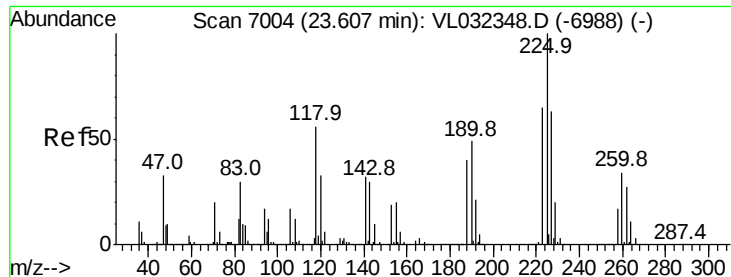
Delta R.T. -0.03 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

Tgt Ion:	146	Resp:	57962
Ion	Ratio	Lower	Upper
146	100		
111	0.0	25.1	75.3#
148	0.0	31.9	95.7#





#78

Hexachloro-1,3-Butadiene

Concen: 0.281 ppbv

RT: 23.60 min Scan# 7002

Delta R.T. -0.03 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

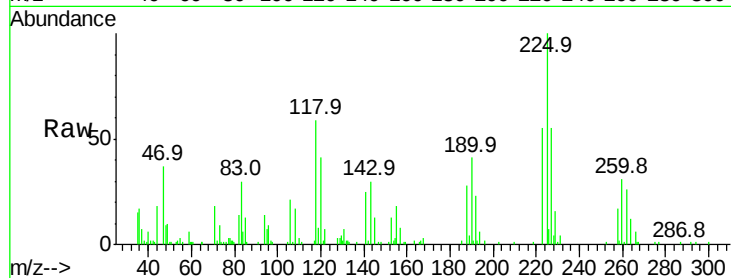
Tgt Ion:225 Resp: 31581

Ion Ratio Lower Upper

225 100

223 0.0 50.5 75.7#

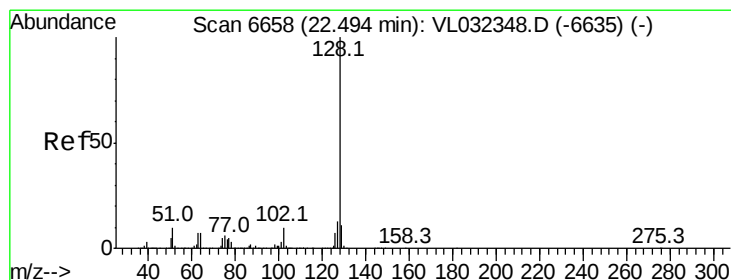
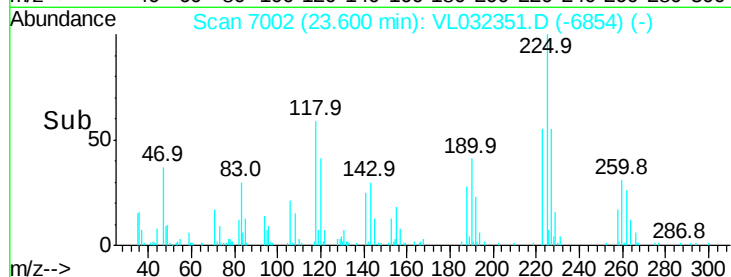
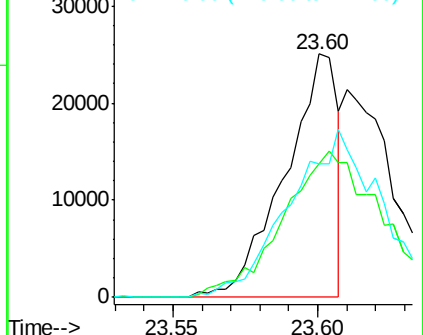
227 0.0 51.3 76.9#



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: 0.067 ppbv

RT: 22.48 min Scan# 6654

Delta R.T. -0.04 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

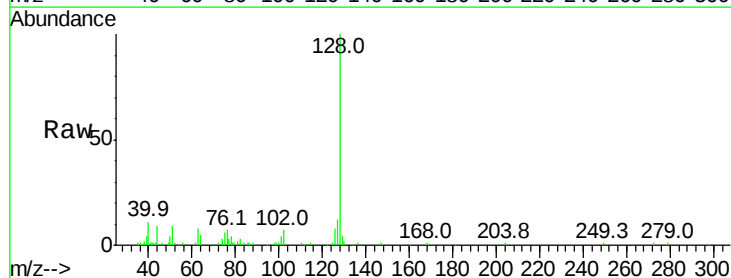
Tgt Ion:128 Resp: 32675

Ion Ratio Lower Upper

128 100

127 12.2 9.9 14.9

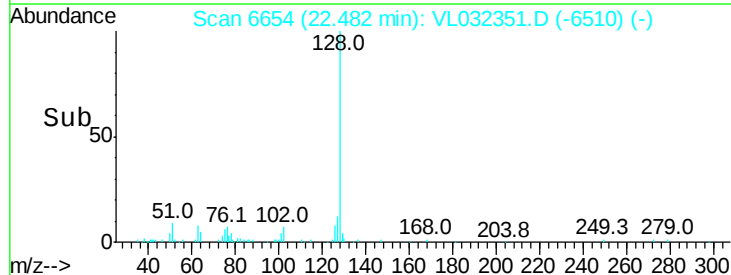
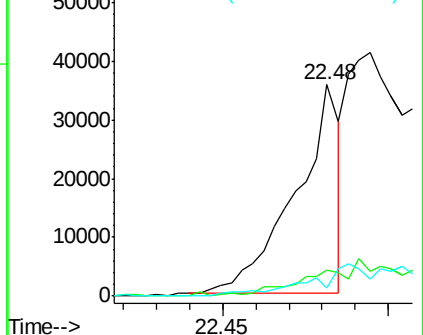
129 3.9 8.8 13.2#

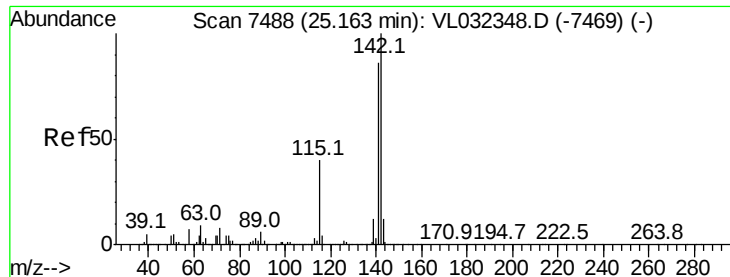


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 0.050 ppbv

RT: 25.17 min Scan# 7490

Delta R.T. -0.01 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

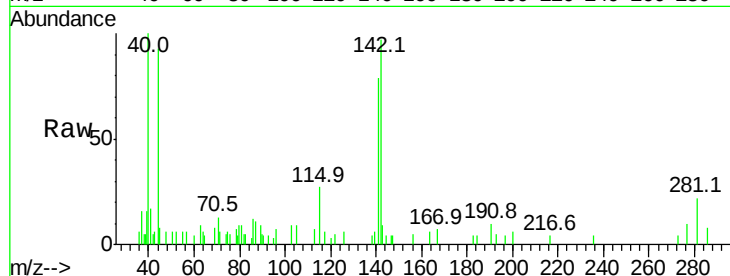
Tgt Ion:142 Resp: 9652

Ion Ratio Lower Upper

142 100

141 98.2 66.7 100.1

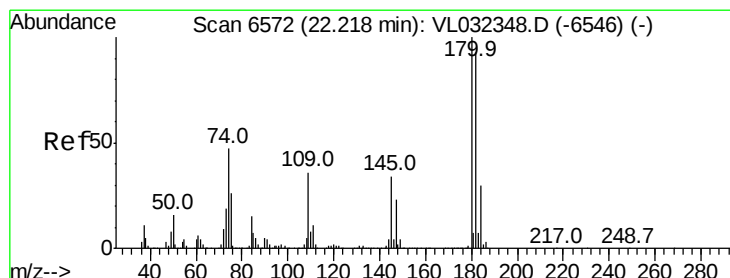
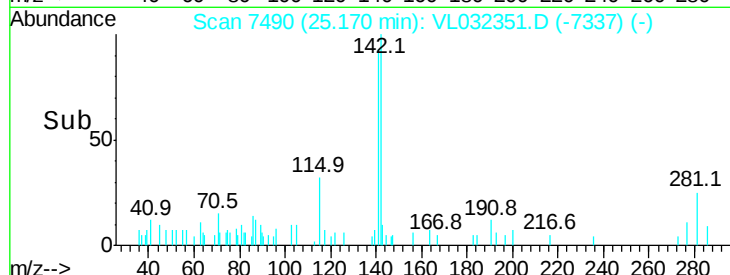
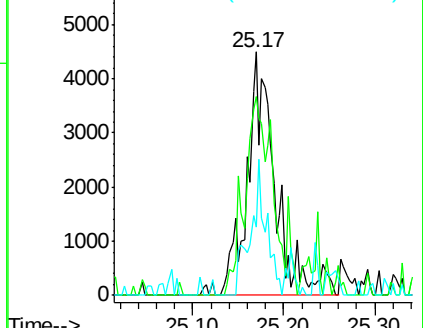
115 36.3 31.1 46.7



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V



#81

1,2,4-Trichlorobenzene

Concen: 0.124 ppbv

RT: 22.21 min Scan# 6569

Delta R.T. -0.03 min

Lab File: VL032351.D

Acq: 15 Aug 2018 11:56

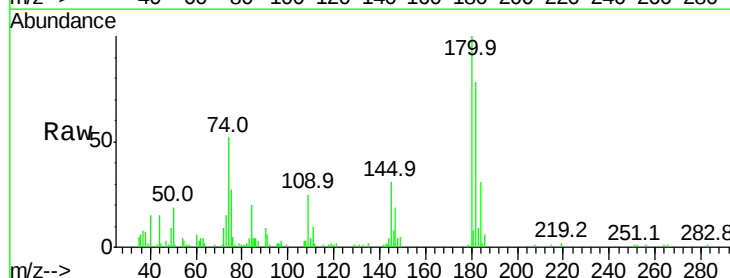
Tgt Ion:180 Resp: 30239

Ion Ratio Lower Upper

180 100

182 0.0 76.2 114.2#

184 0.0 24.3 36.5#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

