

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092418\
 Data File : VL032545.D
 Acq On : 25 Sep 2018 14:53
 Operator : SY/AP
 Sample : J4999-01DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-EFFLUENTDL

Quant Time: Sep 25 15:45:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 25 05:17:15 2018
 QLast Update : Tue Sep 25 05:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1426790	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3095284	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3058075	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2421667	10.50	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.00%

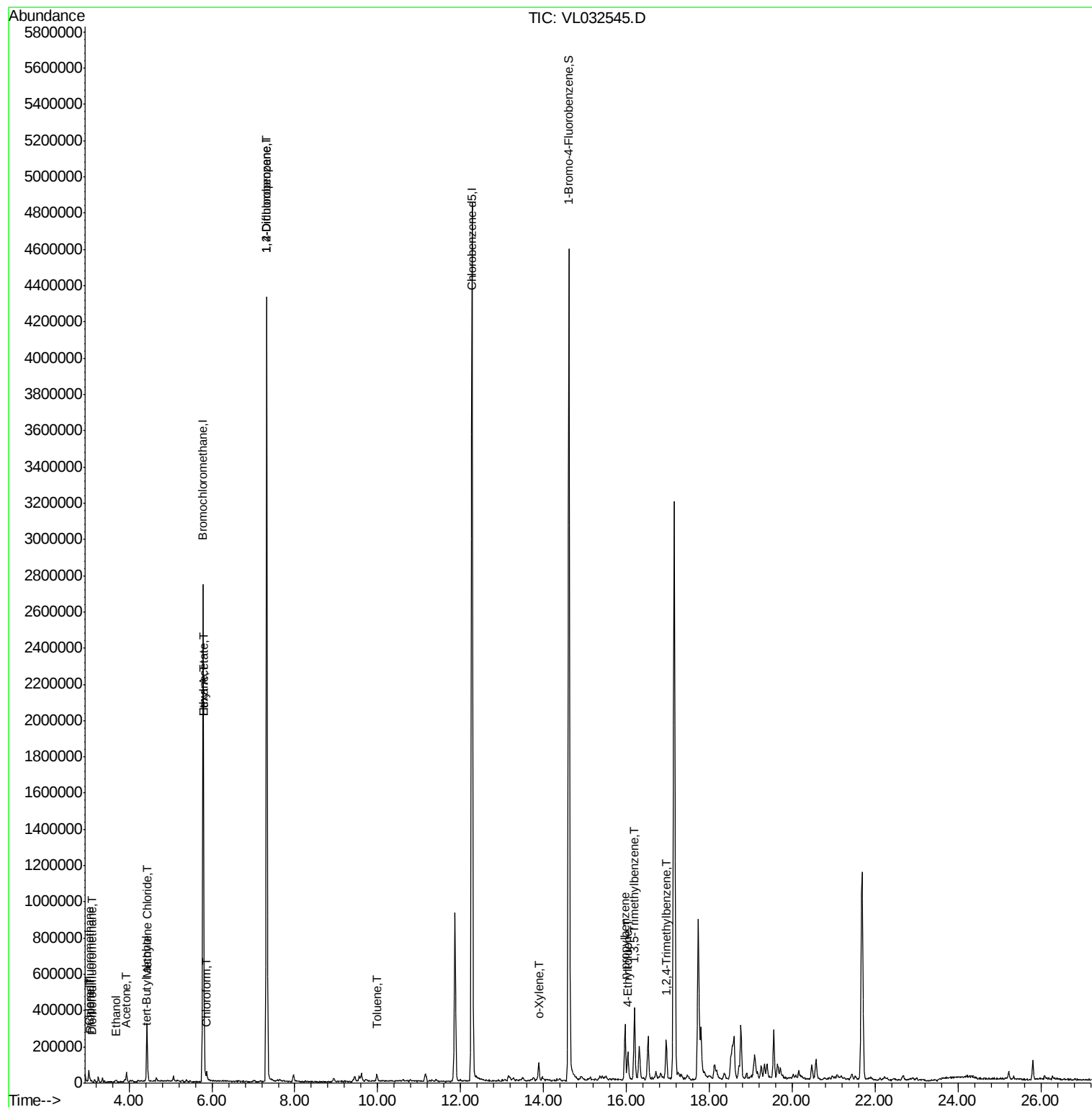
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.09	85	5137	0.039	ppbv	93
3) Chlorodifluoromethane	3.03	51	61491	0.518	ppbv	94
9) Propene	3.06	41	3177	0.062	ppbv	87
13) Ethanol	3.67	45	932	0.060	ppbv #	39
15) Acetone	3.94	43	52740	0.421	ppbv	97
17) tert-Butyl alcohol	4.40	59	2886	0.183	ppbv #	100
20) Methylene Chloride	4.44	84	108043	1.781	ppbv	93
25) Ethyl Acetate	5.81	43	21322	0.070	ppbv #	76
26) Hexane	5.81	57	25962	0.189	ppbv #	44
29) Chloroform	5.87	83	27234	0.129	ppbv	94
39) 1,2-Dichloropropane	7.32	63	825460	7.323	ppbv #	26
53) Toluene	9.98	91	25500	0.084	ppbv	94
60) o-Xylene	13.88	91	68258	0.212	ppbv	95
64) n-propylbenzene	15.96	120	31882	0.273	ppbv #	1
72) 4-Ethyltoluene	16.03	105	91728	0.263	ppbv #	96
73) 1,3,5-Trimethylbenzene	16.19	105	273713	0.808	ppbv	98
74) 1,2,4-Trimethylbenzene	16.96	105	152752	0.419	ppbv #	66

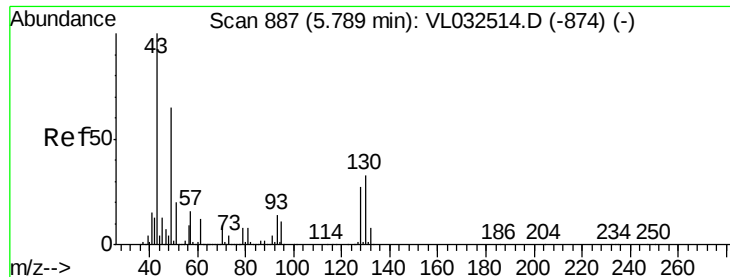
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092418\
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 25 05:17:15 2018
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

Lab File: VL032545.D

Acq: 25 Sep 2018 14:53

Instrument :

MSVOA_L

ClientSampleId :

SVE-EFFLUENTDL

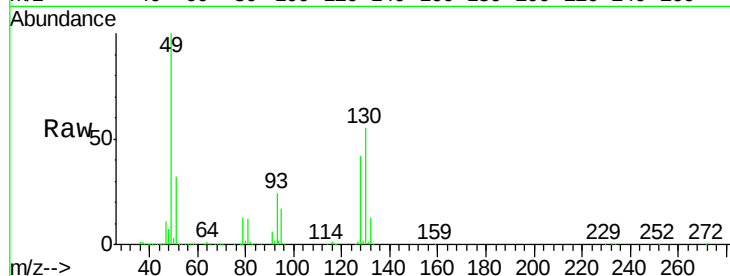
Tgt Ion: 49 Resp: 1426790

Ion Ratio Lower Upper

49 100

128 42.0 20.7 62.1

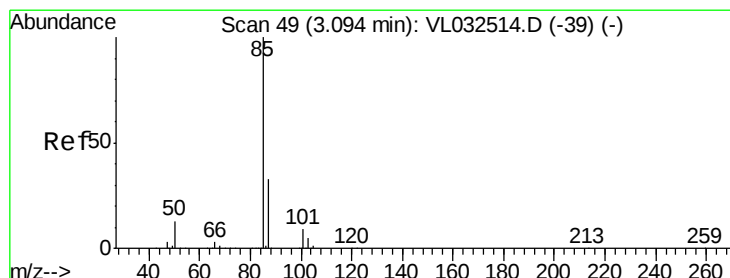
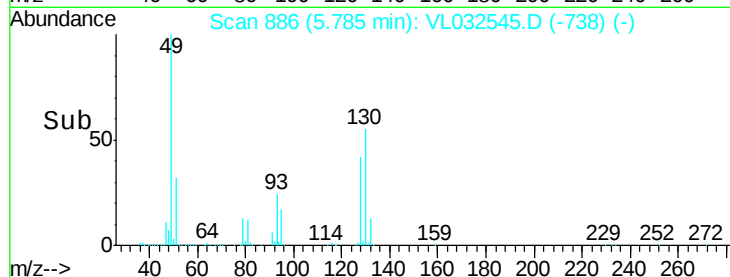
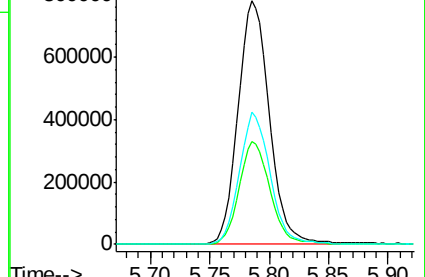
130 53.5 26.6 79.7



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: 0.039 ppbv

RT: 3.09 min Scan# 48

Delta R.T. -0.02 min

Lab File: VL032545.D

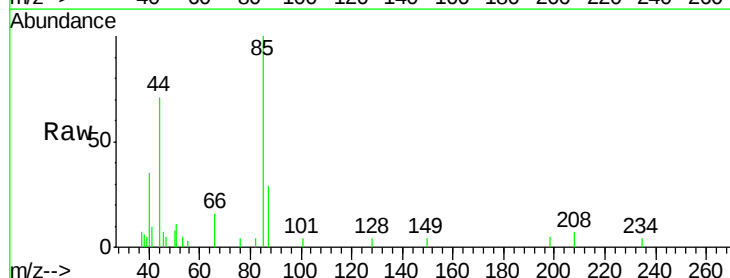
Acq: 25 Sep 2018 14:53

Tgt Ion: 85 Resp: 5137

Ion Ratio Lower Upper

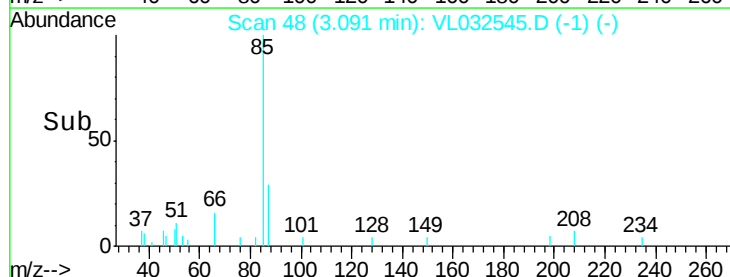
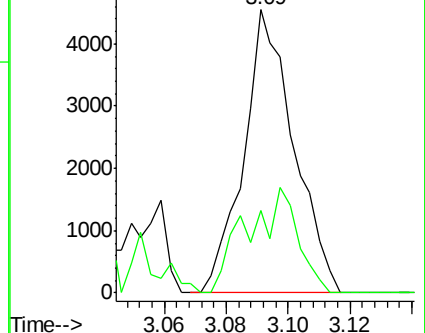
85 100

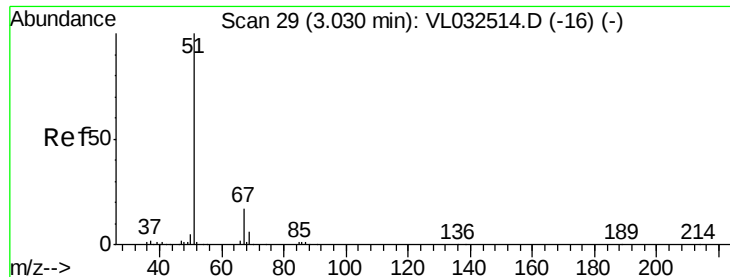
87 29.1 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

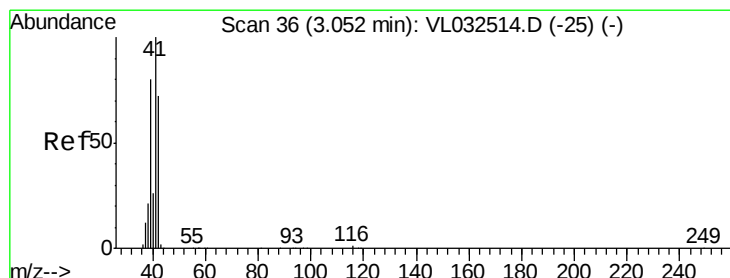
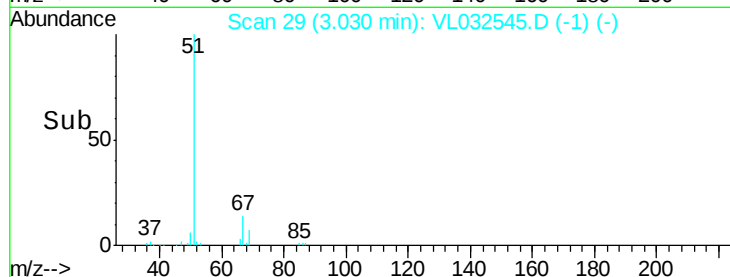
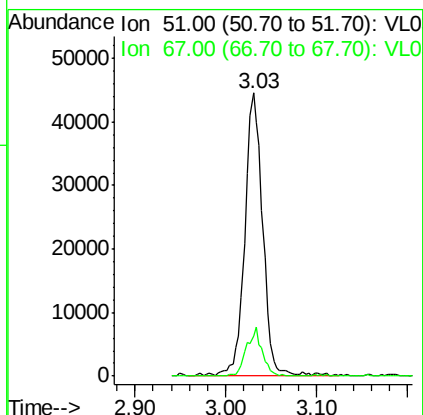
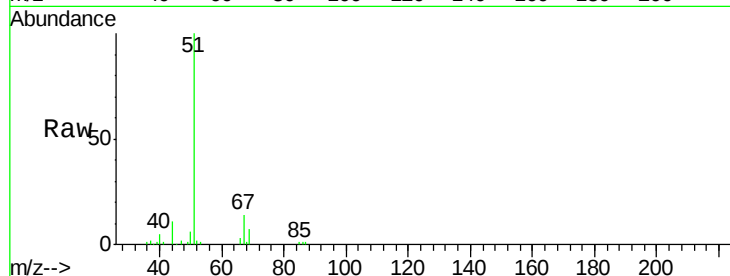




#3
 Chlorodifluoromethane
 Concen: 0.518 ppbv
 RT: 3.03 min Scan# 29
 Delta R.T. -0.01 min
 Lab File: VL032545.D
 Acq: 25 Sep 2018 14:53

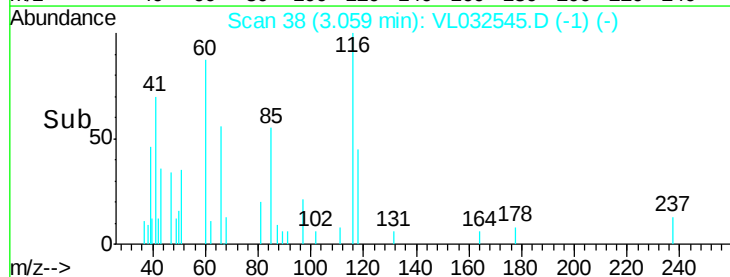
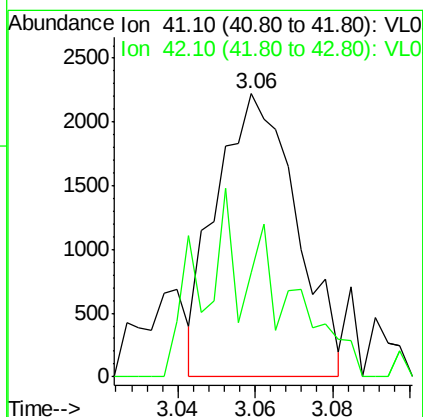
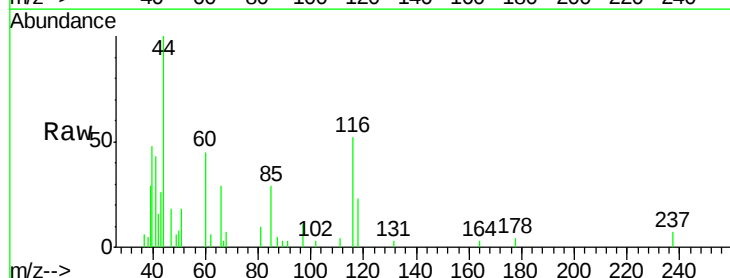
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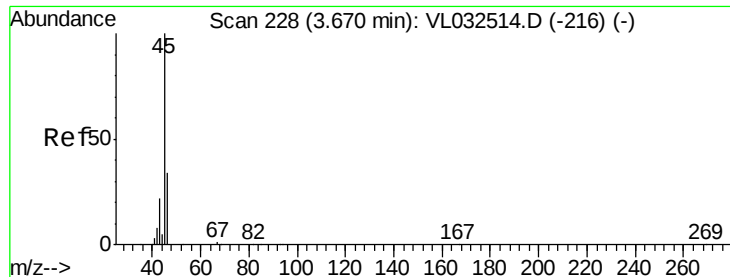
Tgt Ion: 51 Resp: 61491
 Ion Ratio Lower Upper
 51 100
 67 14.9 13.8 20.8



#9
 Propene
 Concen: 0.062 ppbv
 RT: 3.06 min Scan# 38
 Delta R.T. -0.01 min
 Lab File: VL032545.D
 Acq: 25 Sep 2018 14:53

Tgt Ion: 41 Resp: 3177
 Ion Ratio Lower Upper
 41 100
 42 59.9 56.6 84.8





#13

Ethanol

Concen: 0.060 ppbv

RT: 3.67 min Scan# 228

Delta R.T. -0.01 min

Lab File: VL032545.D

Acq: 25 Sep 2018 14:53

Instrument :

MSVOA_L

ClientSampleId :

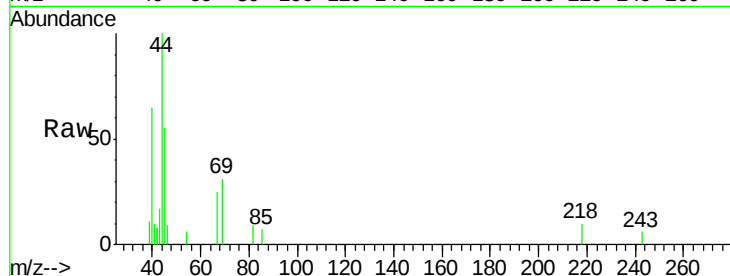
SVE-EFFLUENTDL

Tgt Ion: 45 Resp: 932

Ion Ratio Lower Upper

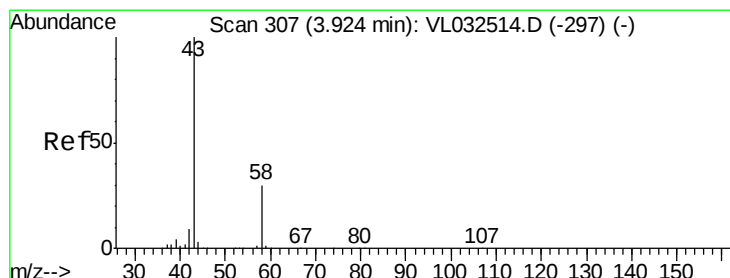
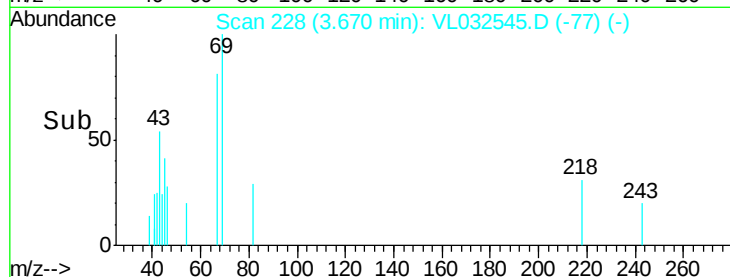
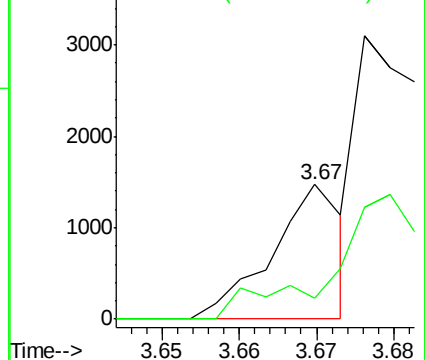
45 100

46 0.0 14.2 56.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 0.421 ppbv

RT: 3.94 min Scan# 311

Delta R.T. -0.00 min

Lab File: VL032545.D

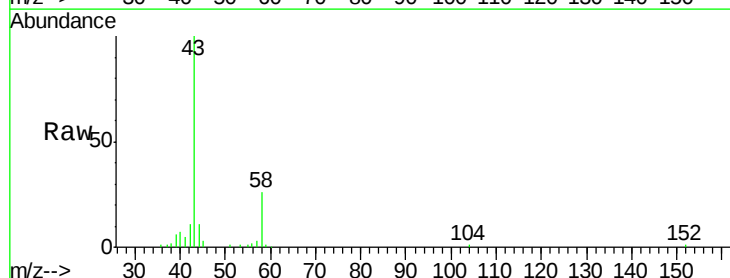
Acq: 25 Sep 2018 14:53

Tgt Ion: 43 Resp: 52740

Ion Ratio Lower Upper

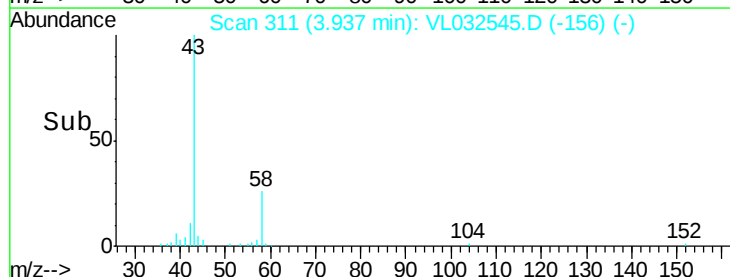
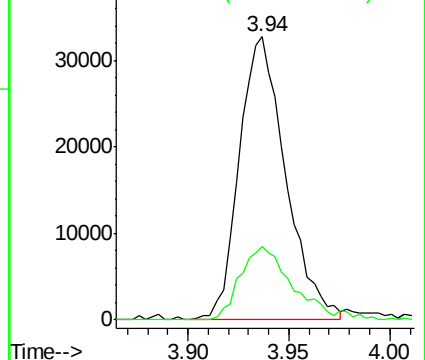
43 100

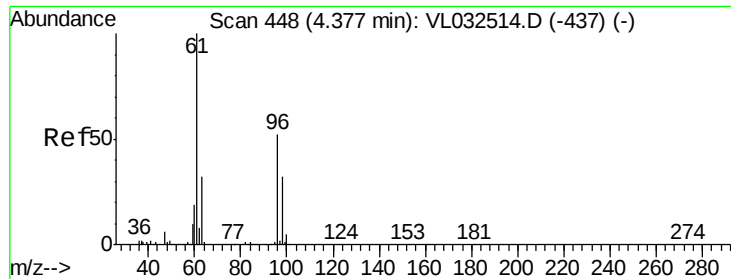
58 29.6 22.6 33.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

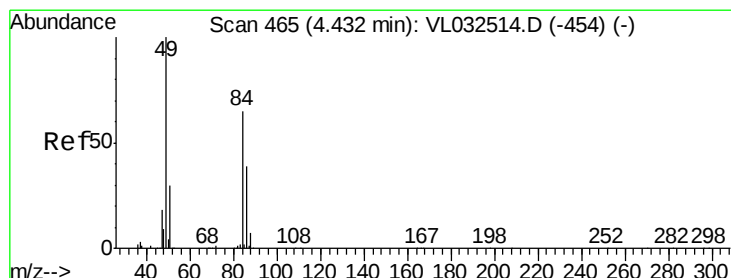
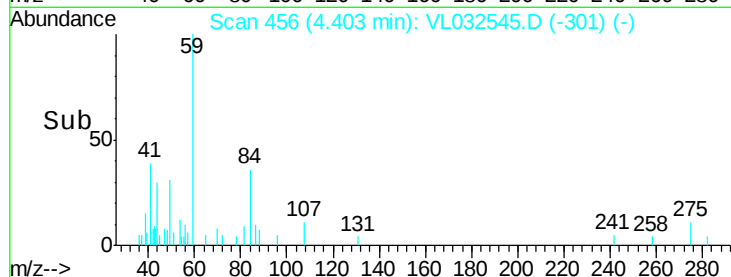
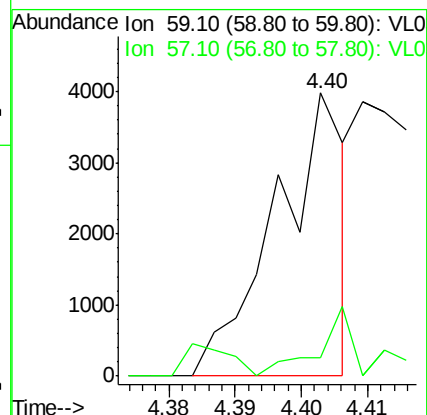
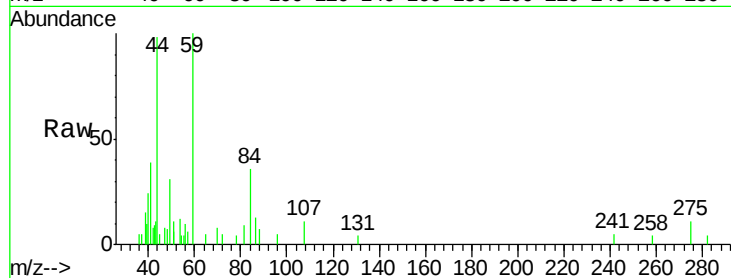




#17
 tert-Butyl alcohol
 Concen: 0.183 ppbv
 RT: 4.40 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: VL032545.D
 Acq: 25 Sep 2018 14:53

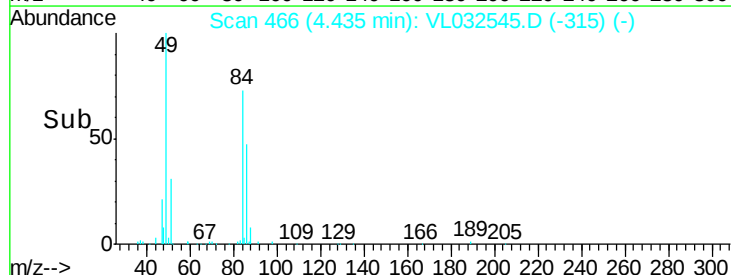
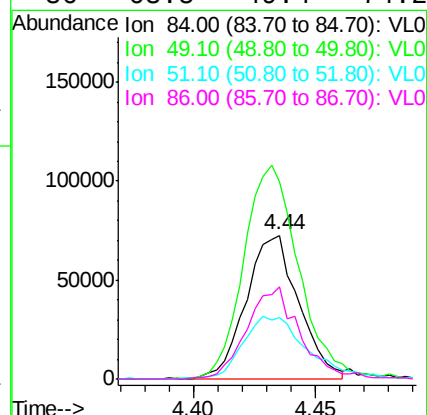
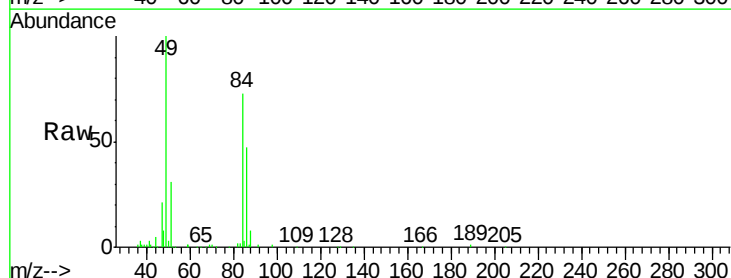
Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-EFFLUENTDL

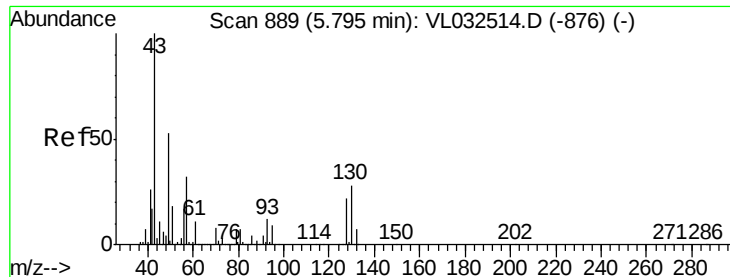
Tgt Ion: 59 Resp: 2886
 Ion Ratio Lower Upper
 59 100
 57 0.0 0.0 0.0



#20
 Methylene Chloride
 Concen: 1.781 ppbv
 RT: 4.44 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: VL032545.D
 Acq: 25 Sep 2018 14:53

Tgt Ion: 84 Resp: 108043
 Ion Ratio Lower Upper
 84 100
 49 136.2 119.1 178.7
 51 42.5 35.2 52.8
 86 63.5 49.4 74.2

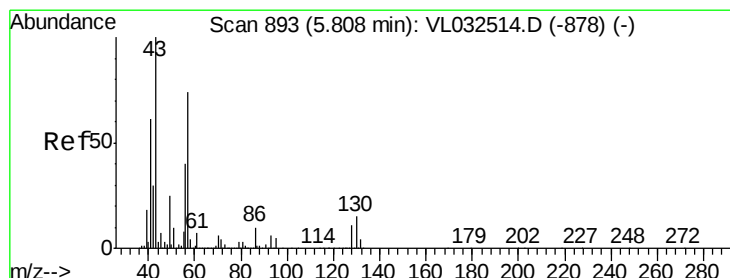
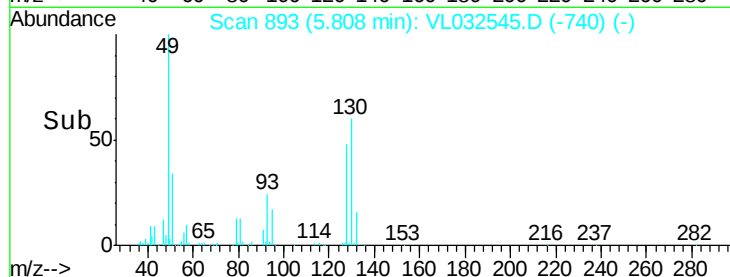
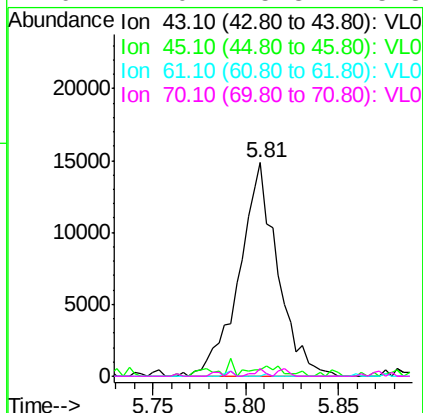
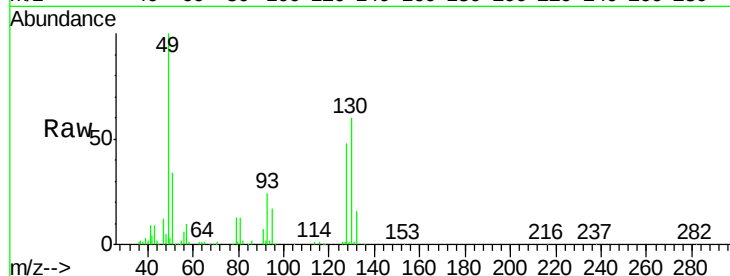




#25
Ethyl Acetate
Concen: 0.070 ppbv
RT: 5.81 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL032545.D
Acq: 25 Sep 2018 14:53

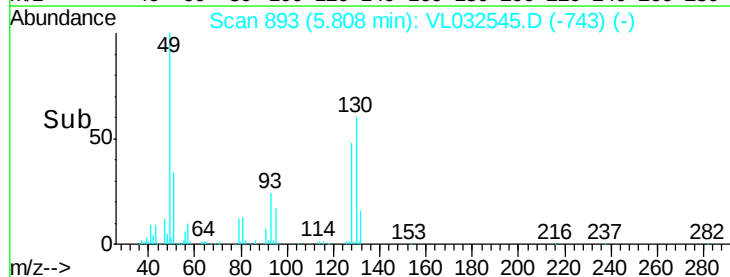
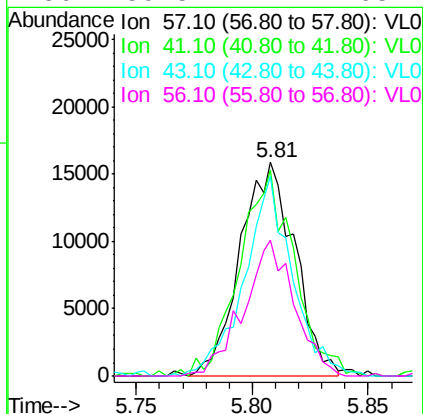
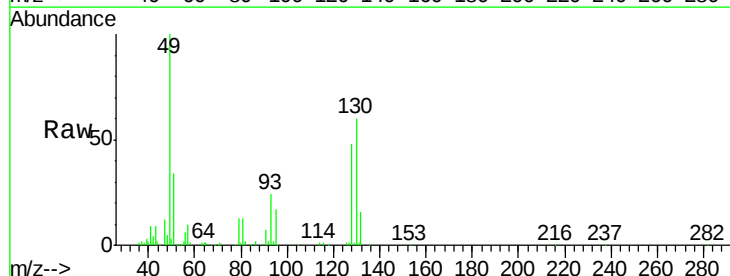
Instrument :
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ClientSampleId :
SVE-EFFLUENTDL

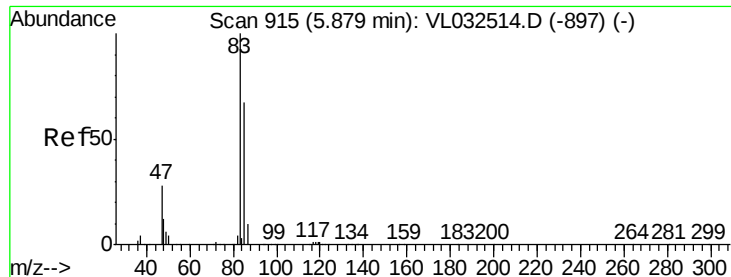
Tgt Ion:	43	Resp:	21322
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.0	12.0#
61	0.0	7.6	11.4#
70	1.0	5.8	8.8#



#26
Hexane
Concen: 0.189 ppbv
RT: 5.81 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL032545.D
Acq: 25 Sep 2018 14:53

Tgt Ion:	57	Resp:	25962
Ion	Ratio	Lower	Upper
57	100		
41	98.3	69.0	103.4
43	82.3	172.1	258.1#
56	59.5	42.2	63.2





#29

Chloroform

Concen: 0.129 ppbv

RT: 5.87 min Scan# 913

Delta R.T. -0.02 min

Lab File: VL032545.D

Acq: 25 Sep 2018 14:53

Instrument :

MSVOA_L

ClientSampleId :

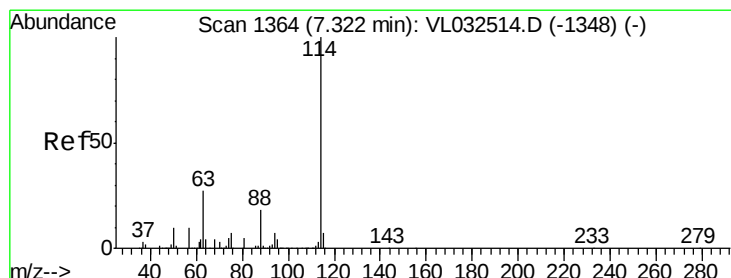
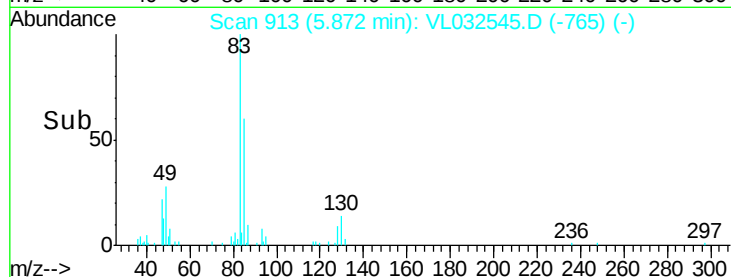
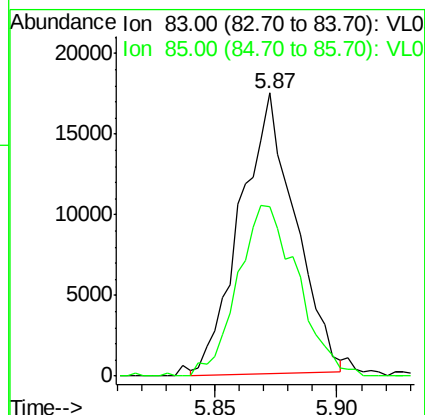
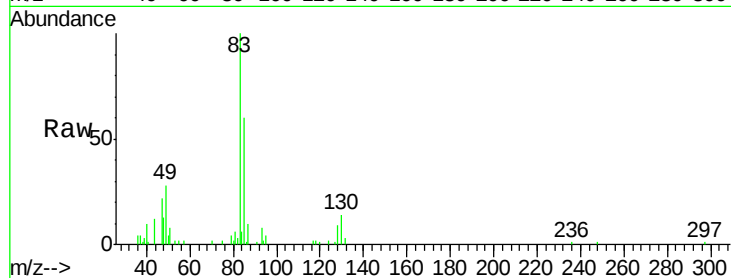
SVE-EFFLUENTDL

Tgt Ion: 83 Resp: 27234

Ion Ratio Lower Upper

83 100

85 60.9 52.5 78.7



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.32 min Scan# 1363

Delta R.T. -0.03 min

Lab File: VL032545.D

Acq: 25 Sep 2018 14:53

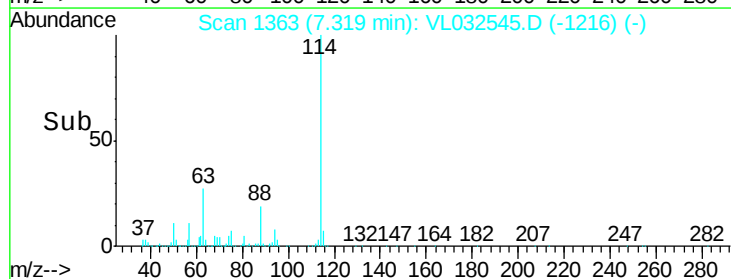
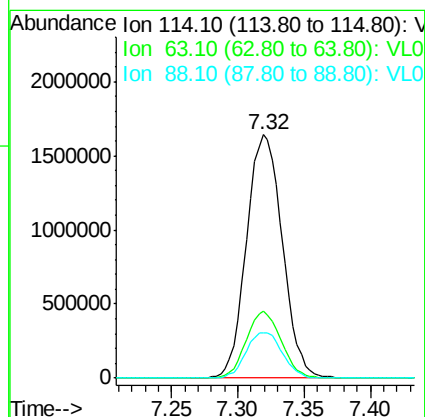
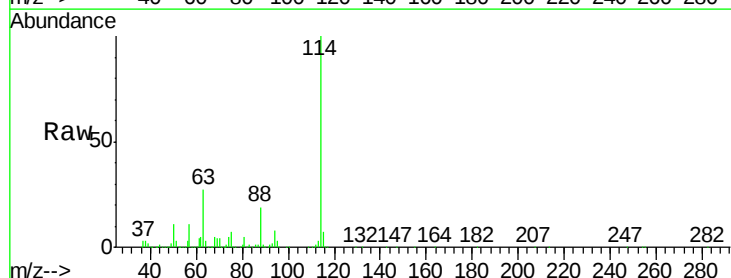
Tgt Ion: 114 Resp: 3095284

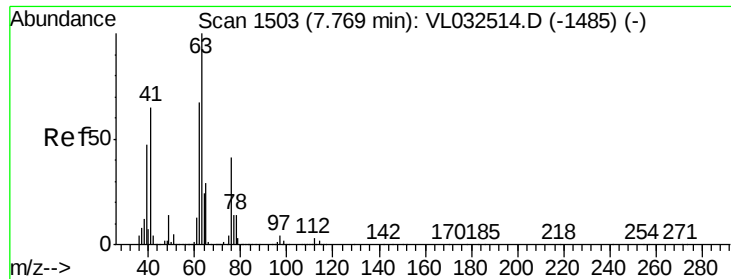
Ion Ratio Lower Upper

114 100

63 26.9 22.2 33.4

88 19.1 15.0 22.4

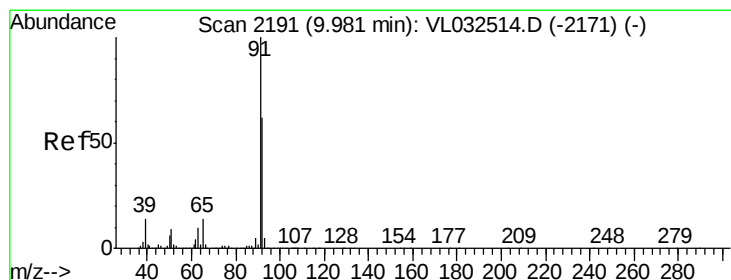
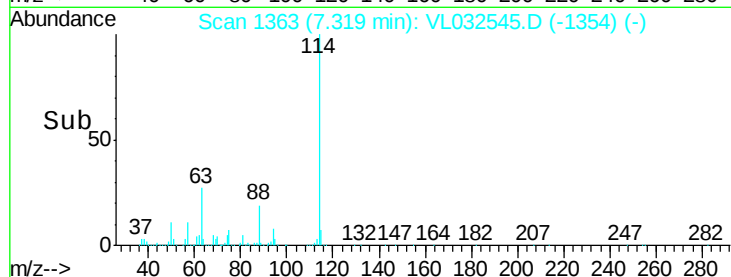
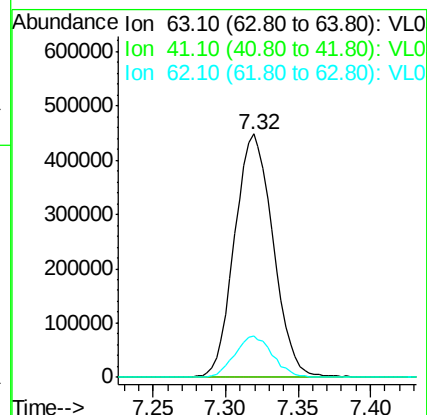
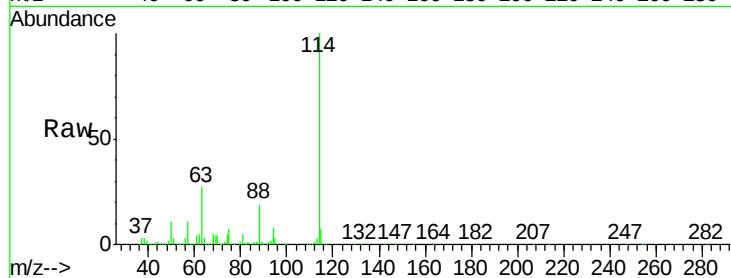




#39
 1,2-Dichloropropane
 Concen: 7.323 ppbv
 RT: 7.32 min Scan# 1363
 Delta R.T. -0.47 min
 Lab File: VL032545.D
 Acq: 25 Sep 2018 14:53

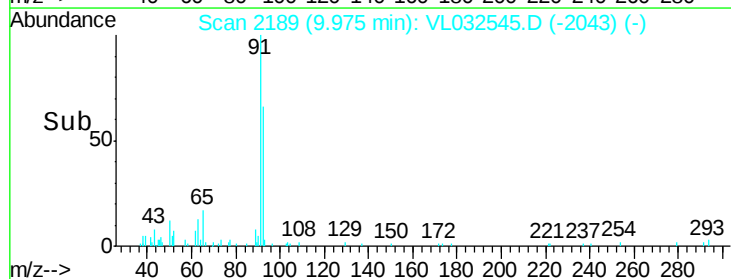
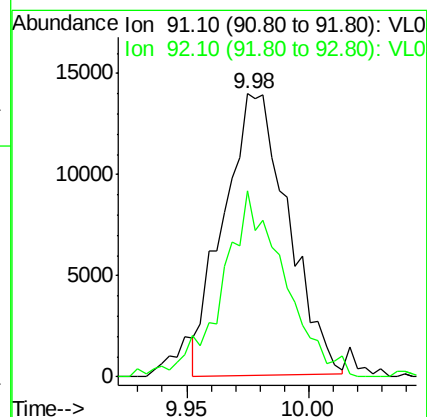
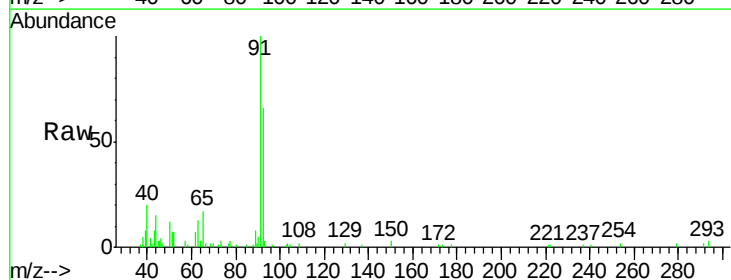
Instrument :
 MSVOA_L
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 SVE-EFFLUENTDL

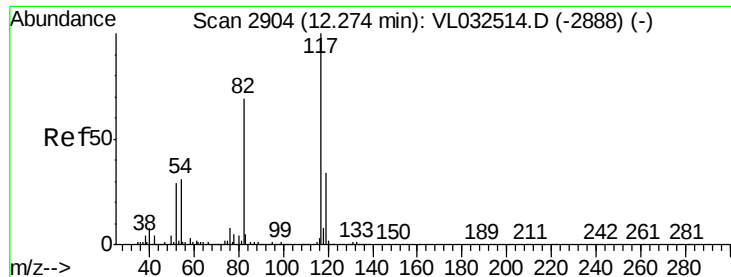
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.1	55.4	83.0#
62	16.9	55.4	83.0#



#53
 Toluene
 Concen: 0.084 ppbv
 RT: 9.98 min Scan# 2189
 Delta R.T. -0.03 min
 Lab File: VL032545.D
 Acq: 25 Sep 2018 14:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	64.4	48.1	72.1

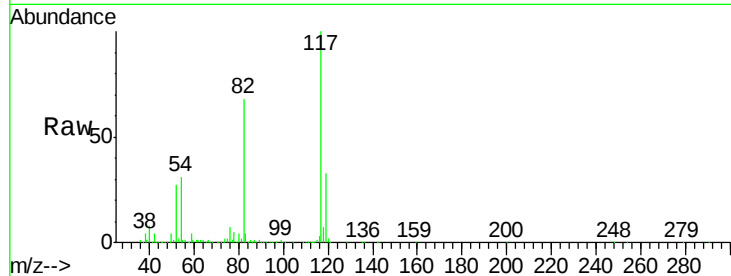




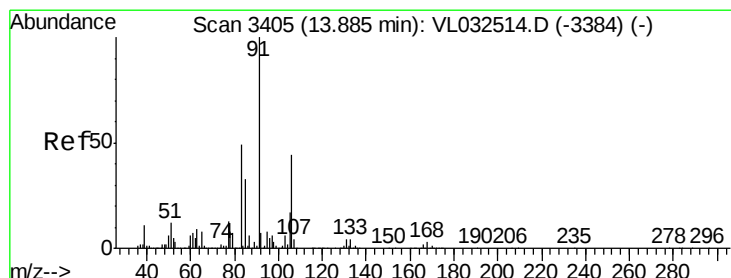
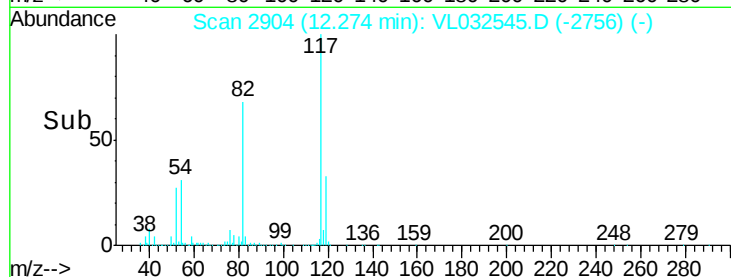
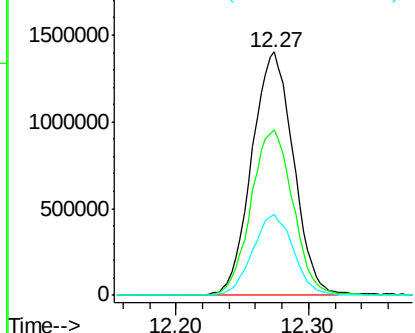
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.02 min
Lab File: VL032545.D
Acq: 25 Sep 2018 14:53

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENTDL

Tgt Ion: 117 Resp: 3058075
Ion Ratio Lower Upper
117 100
82 68.8 53.0 79.6
119 32.9 45.9 68.9#

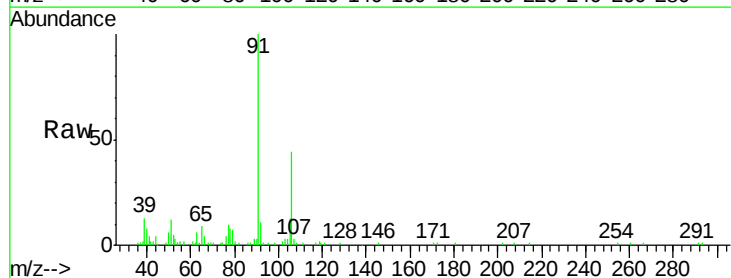


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

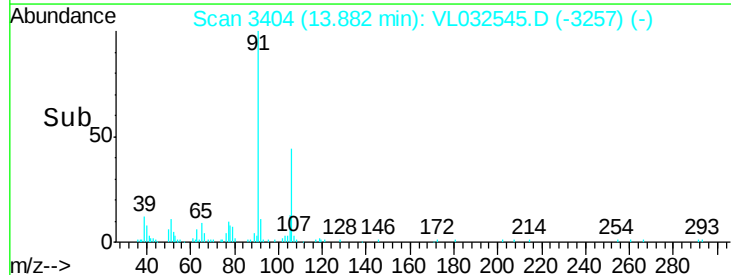
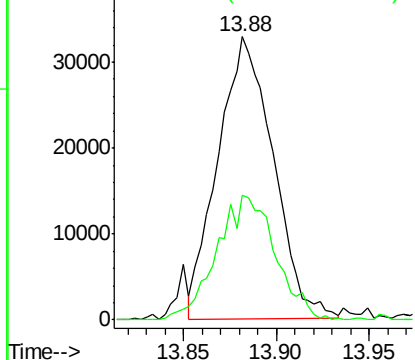


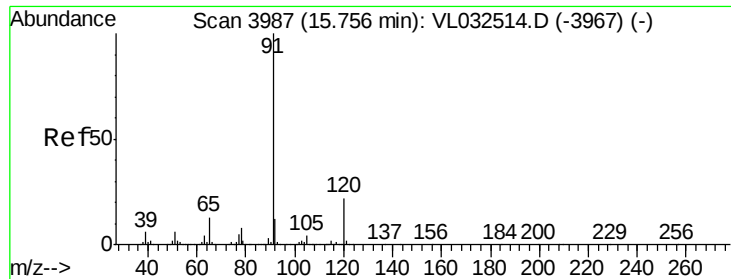
#60
o-Xylene
Concen: 0.212 ppbv
RT: 13.88 min Scan# 3404
Delta R.T. -0.03 min
Lab File: VL032545.D
Acq: 25 Sep 2018 14:53

Tgt Ion: 91 Resp: 68258
Ion Ratio Lower Upper
91 100
106 47.0 21.9 65.7



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

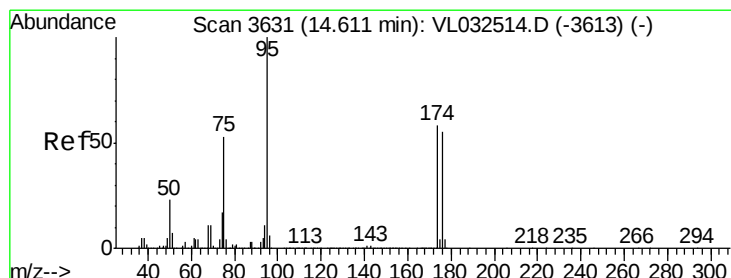
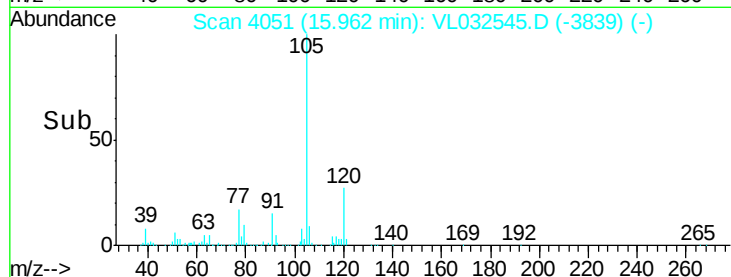
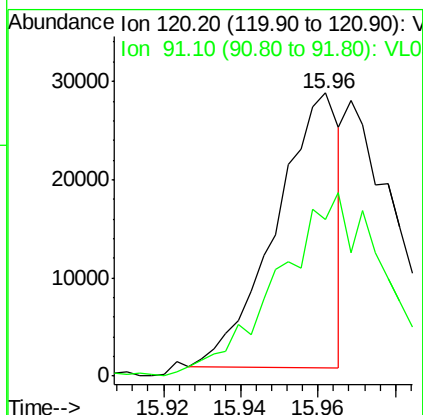
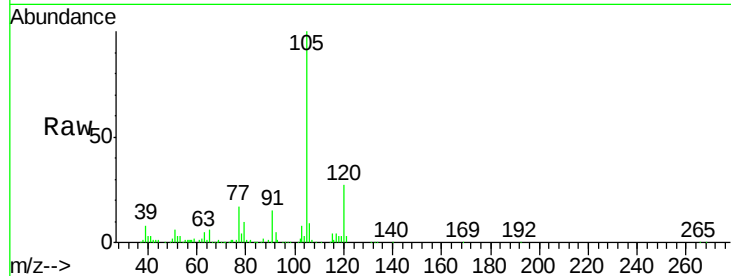




#64
n-propylbenzene
Concen: 0.273 ppbv
RT: 15.96 min Scan# 4051
Delta R.T. 0.18 min
Lab File: VL032545.D
Acq: 25 Sep 2018 14:53

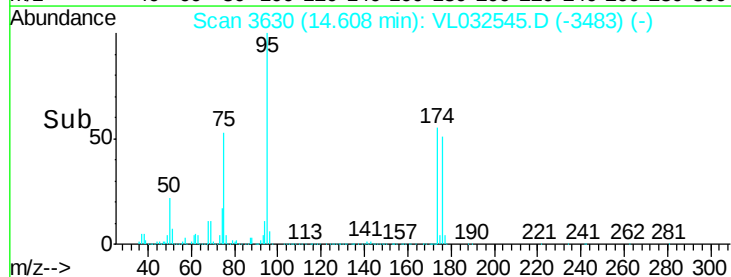
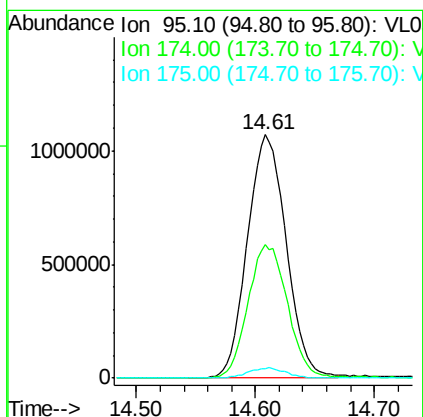
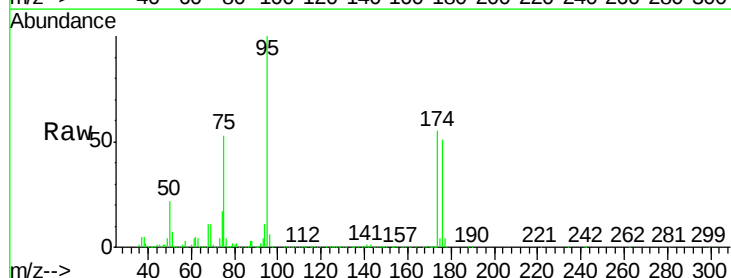
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENTDL

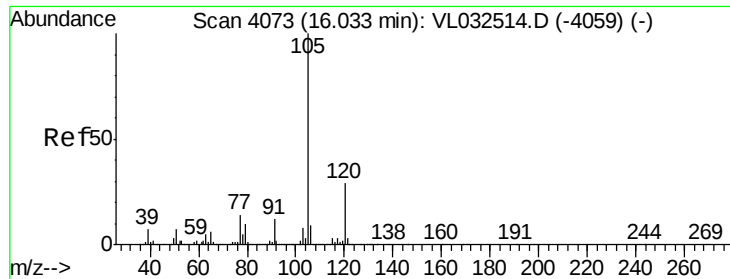
Tgt Ion:120 Resp: 31882
Ion Ratio Lower Upper
120 100
91 8.9 381.8 572.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.501 ppbv
RT: 14.61 min Scan# 3630
Delta R.T. -0.03 min
Lab File: VL032545.D
Acq: 25 Sep 2018 14:53

Tgt Ion: 95 Resp: 2421667
Ion Ratio Lower Upper
95 100
174 56.7 46.3 69.5
175 4.2 3.4 5.0





#72

4-Ethyltoluene

Concen: 0.263 ppbv

RT: 16.03 min Scan# 4073

Delta R.T. -0.02 min

Lab File: VL032545.D

Acq: 25 Sep 2018 14:53

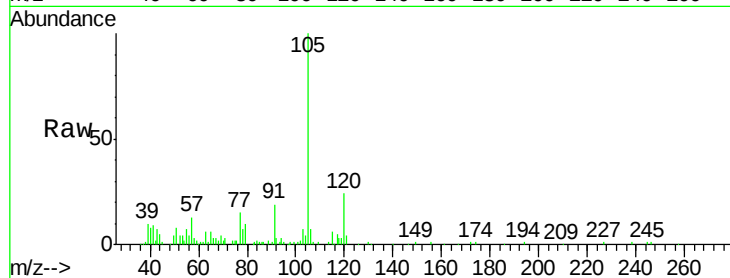
Instrument :

MSVOA_L

ClientSampleId :

SVE-EFFLUENTDL

Tgt Ion:	105	Resp:	91728
Ion	Ratio	Lower	Upper
105	100		
120	28.5	23.5	35.3
91	17.0	10.2	15.2
77	15.4	11.1	16.7

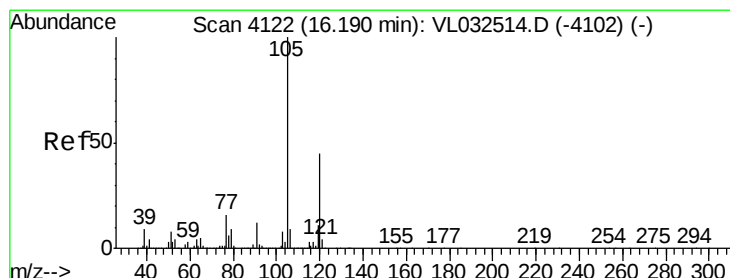
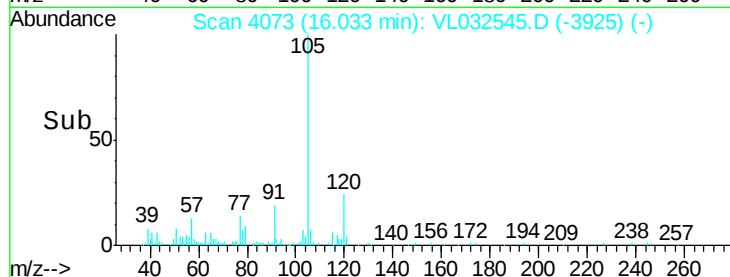
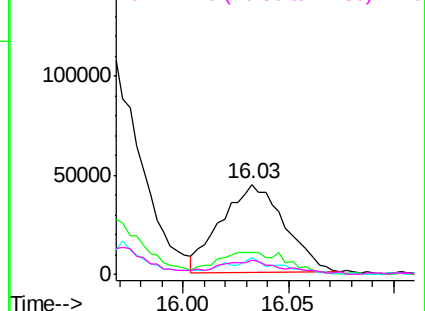


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.808 ppbv

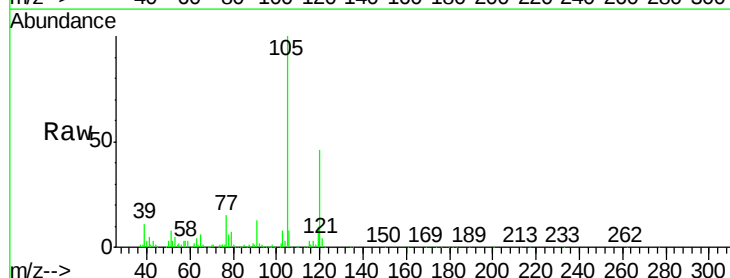
RT: 16.19 min Scan# 4123

Delta R.T. -0.02 min

Lab File: VL032545.D

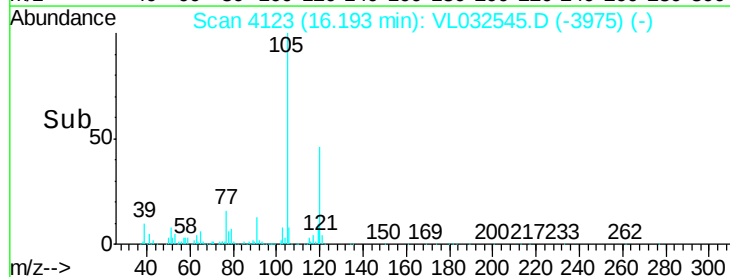
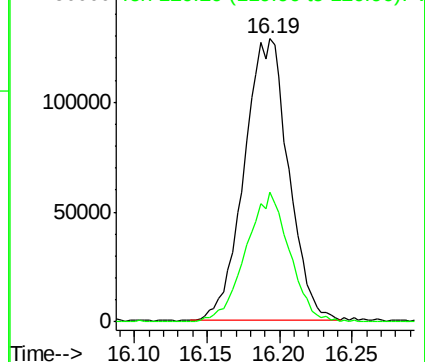
Acq: 25 Sep 2018 14:53

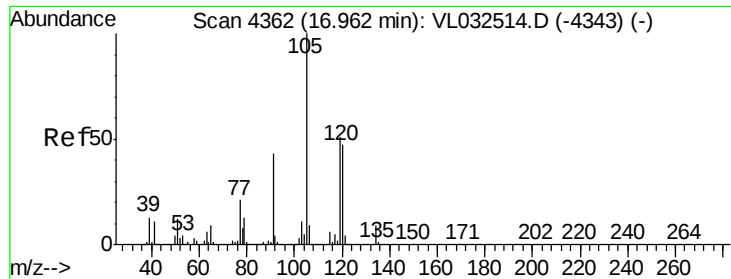
Tgt Ion:	105	Resp:	273713
Ion	Ratio	Lower	Upper
105	100		
120	45.9	37.9	56.9



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: 0.419 ppbv
 RT: 16.96 min Scan# 4362
 Delta R.T. -0.02 min
 Lab File: VL032545.D
 Acq: 25 Sep 2018 14:53

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-EFFLUENTDL

Tgt Ion:	105	Resp:	152752
Ion	Ratio	Lower	Upper
105	100		
120	39.5	37.8	56.8
91	11.2	41.4	62.0#
77	11.1	18.6	28.0#

