

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092418\
 Data File : VL032541.D
 Acq On : 25 Sep 2018 12:14
 Operator : SY/AP
 Sample : J5034-06DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INF3-092018DL

Manual Integrations
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 9/26/2018 5:04:03 PM

Quant Time: Sep 25 13:41:28 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 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	1503116	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3195443	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.27	117	3167406	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2435514	10.20	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.19	50	16770	0.230	ppbv	98
5) Vinyl Chloride	3.31	62	37669	0.511	ppbv	99
7) Chloroethane	3.62	64	12007	0.458	ppbv #	76
9) Propene	3.05	41	16443m	0.303	ppbv	
11) Trichlorofluoromethane	4.02	101	68196	0.413	ppbv	88
12) 1,1,2-Trichlorotrifluoroet	4.57	101	62944	0.466	ppbv	98
13) Ethanol	3.68	45	13631	0.836	ppbv	90
15) Acetone	3.93	43	167392	1.269	ppbv	99
17) tert-Butyl alcohol	4.41	59	11345m	0.684	ppbv	
18) 1,1-Dichloroethene	4.38	96	24792	0.392	ppbv	84
20) Methylene Chloride	4.44	84	71142	1.113	ppbv	86
22) trans-1,2-Dichloroethene	4.98	96	9880	0.166	ppbv #	72
24) 1,1-Dichloroethane	5.11	63	1736980	8.947	ppbv	100
26) Hexane	5.81	57	24141m	0.167	ppbv	
29) Chloroform	5.88	83	23849	0.107	ppbv	87
31) cis-1,2-Dichloroethene	5.67	61	1135508	8.245	ppbv	97
32) 1,1,1-Trichloroethane	6.65	97	3546925	15.000	ppbv	99
36) Benzene	7.03	78	55817	0.216	ppbv #	96
38) Trichloroethene	7.99	130	4940901	49.986	ppbv	98
52) Tetrachloroethene	11.41	164	63120m	0.702	ppbv	

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

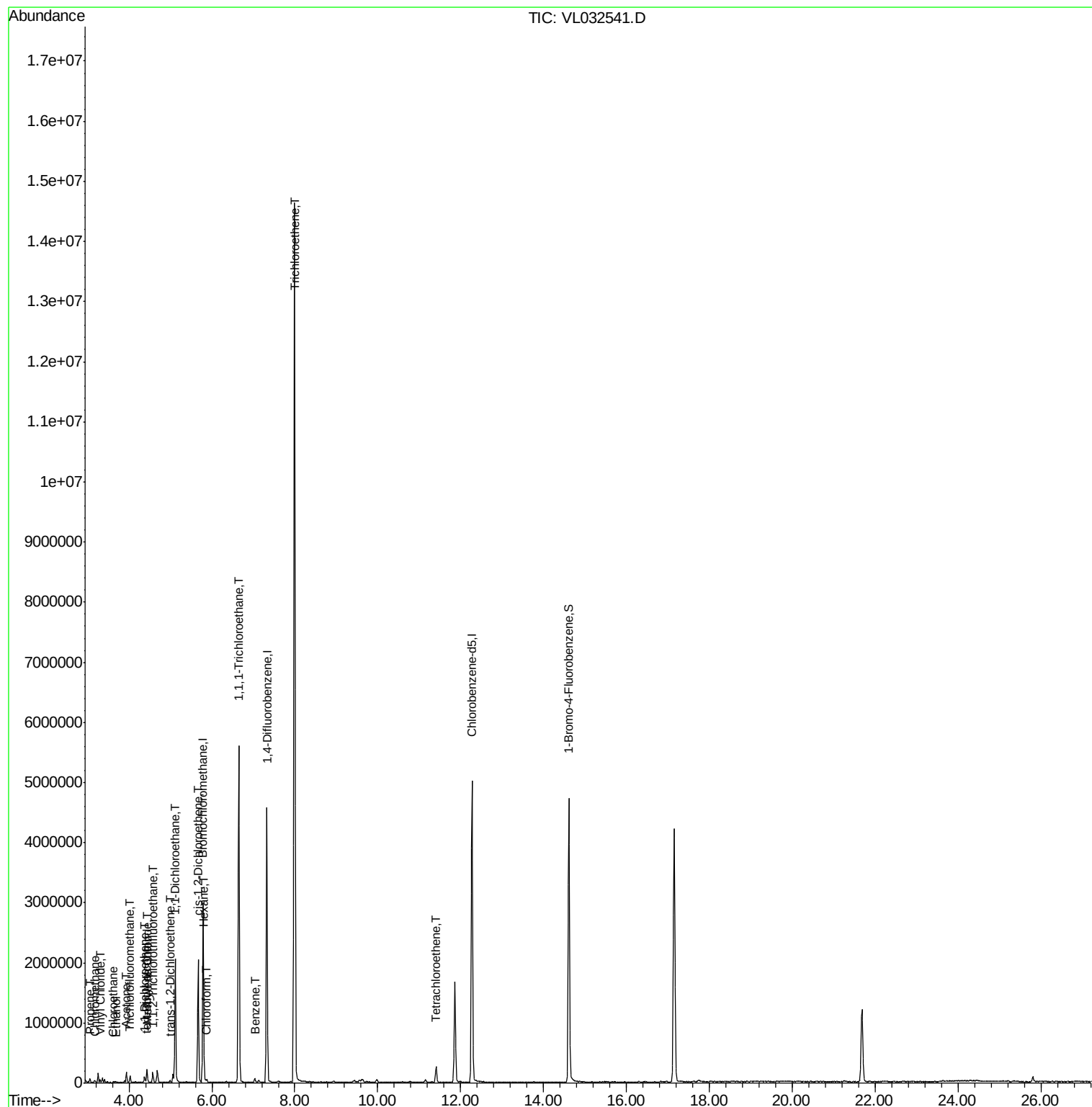
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL092418\
Data File : VL032541.D
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Misc : 400ml/MSVOA L
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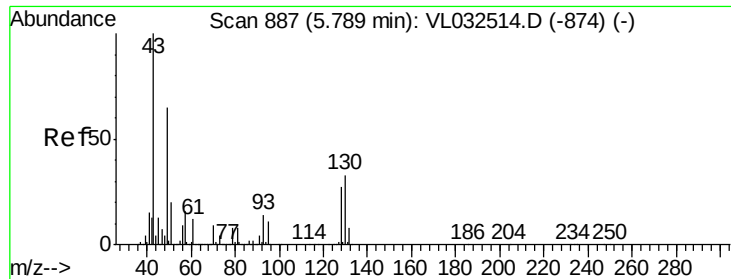
Instrument :
MSVOA_L
ClientSampleId :
SVE-INF3-092018DL

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Quant Time: Sep 25 13:41:28 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep
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: VL032541.D

Acq: 25 Sep 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF3-092018DL

Tot Ion: 49 Resp: 1503116

Ion Ratio Lower Upper

49 100

128 42.2 20.7 62.1

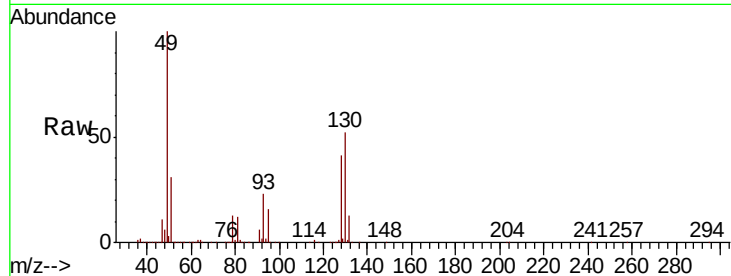
130 54.6 26.6 79.7

Manual Integrations

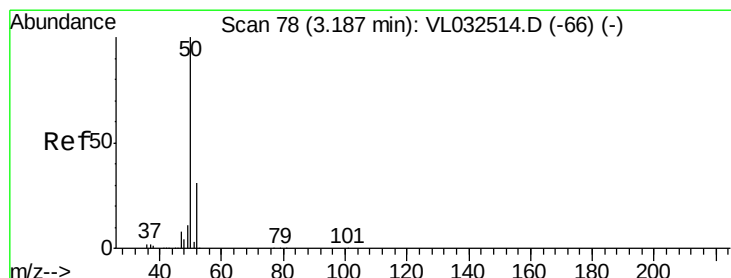
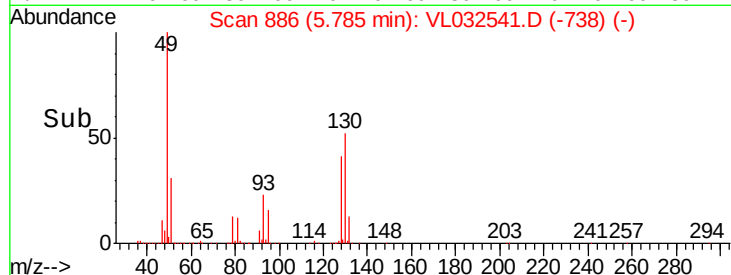
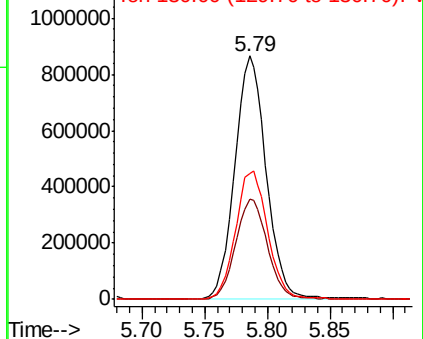
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#4

Chloromethane

Concen: 0.230 ppbv

RT: 3.19 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL032541.D

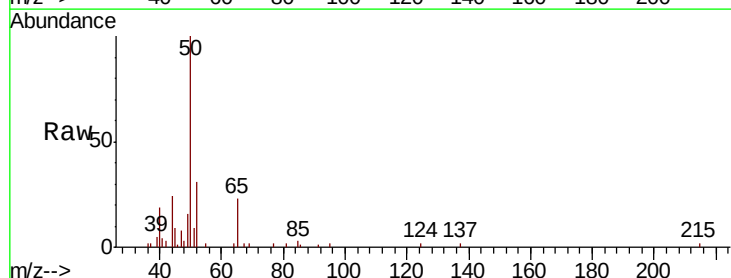
Acq: 25 Sep 2018 12:14

Tgt Ion: 50 Resp: 16770

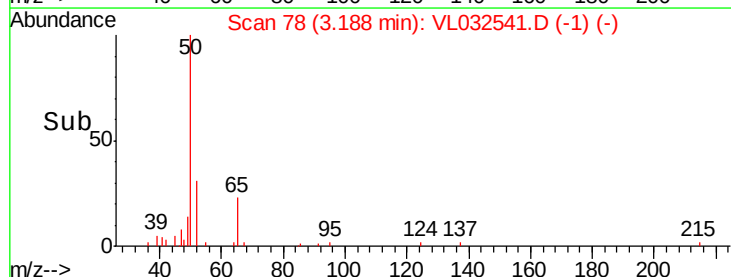
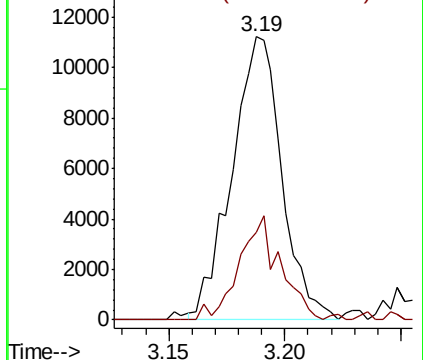
Ion Ratio Lower Upper

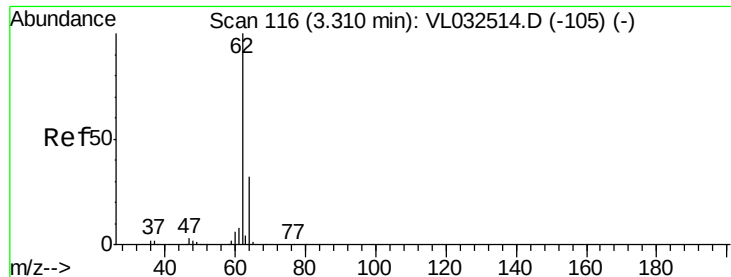
50 100

52 30.9 25.6 38.4



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.511 ppbv

RT: 3.31 min Scan# 116

Delta R.T. -0.01 min

Lab File: VL032541.D

Acq: 25 Sep 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF3-092018DL

Tot Ion: 62 Resp: 37669

Ion Ratio Lower Upper

62 100

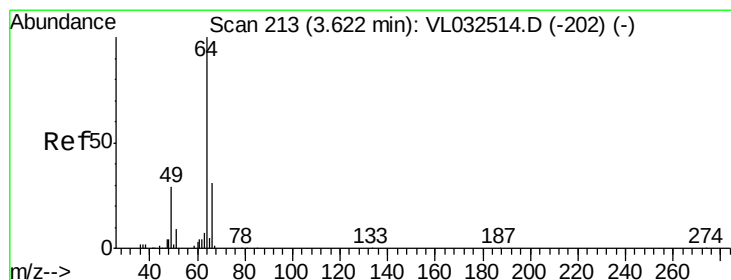
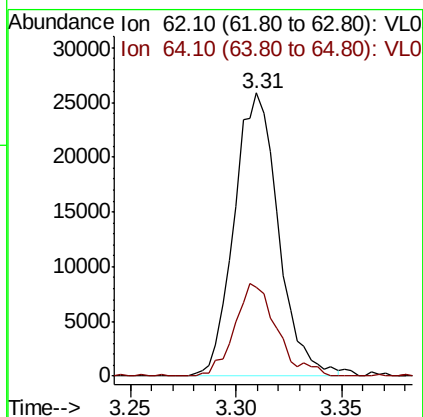
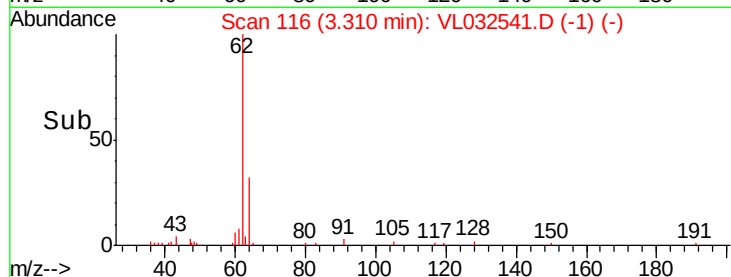
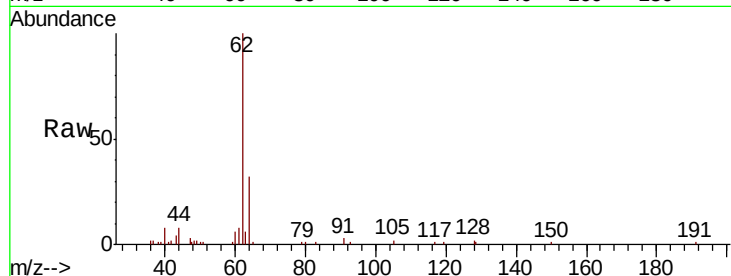
64 31.6 25.0 37.6

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#7

Chloroethane

Concen: 0.458 ppbv

RT: 3.62 min Scan# 212

Delta R.T. -0.02 min

Lab File: VL032541.D

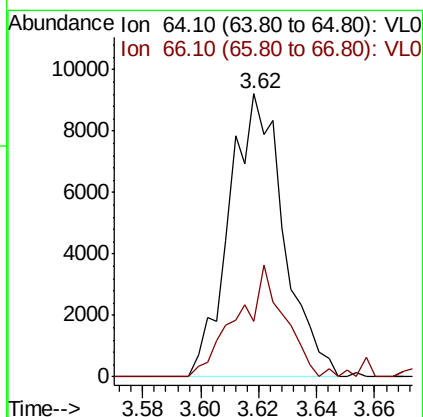
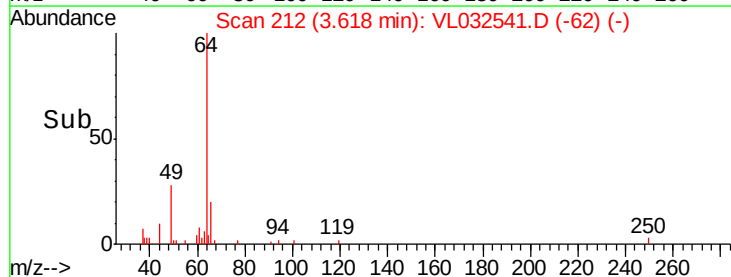
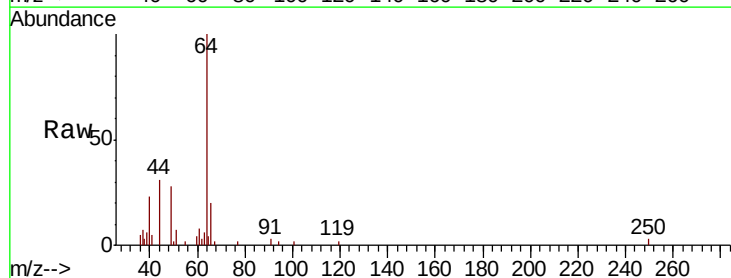
Acq: 25 Sep 2018 12:14

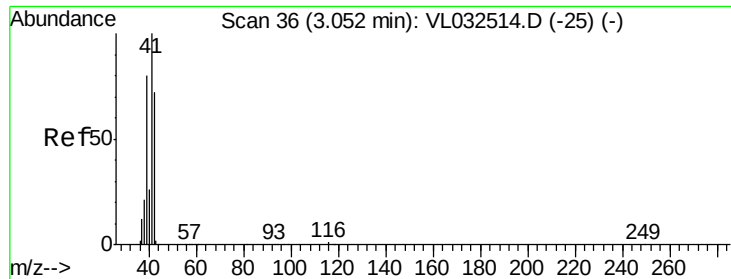
Tgt Ion: 64 Resp: 12007

Ion Ratio Lower Upper

64 100

66 18.8 25.8 38.6#





#9

Propene

Concen: 0.303 ppbv m

RT: 3.05 min Scan# 36

Delta R.T. -0.01 min

Lab File: VL032541.D

Acq: 25 Sep 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF3-092018DL

Tot Ion: 41 Resp: 16443

Ion Ratio Lower Upper

41 100

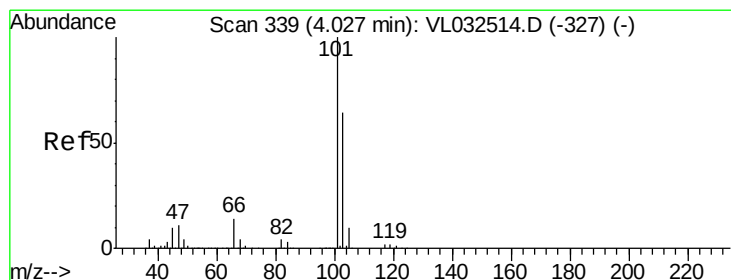
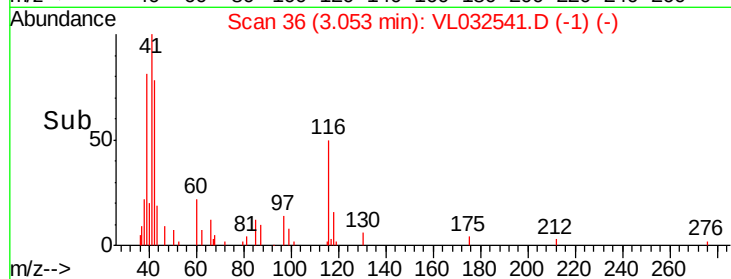
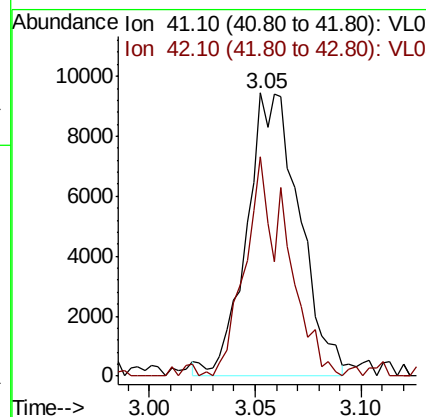
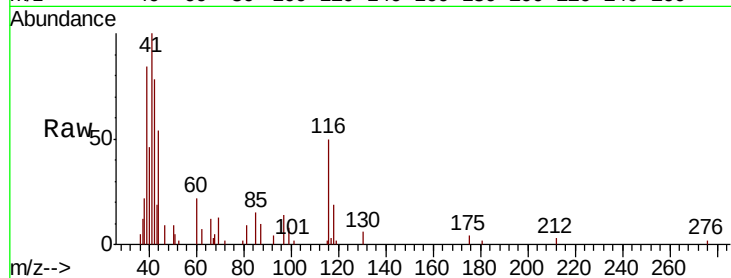
42 29.4 56.6 84.8#

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#11

Trichlorofluoromethane

Concen: 0.413 ppbv

RT: 4.02 min Scan# 338

Delta R.T. -0.02 min

Lab File: VL032541.D

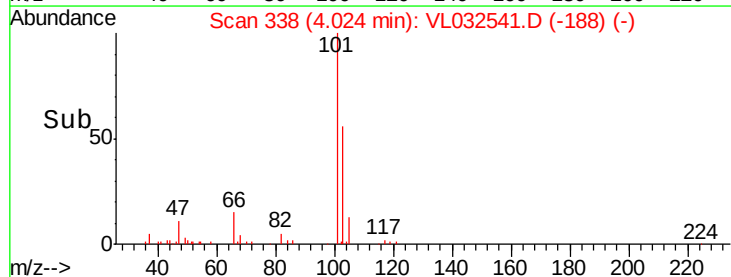
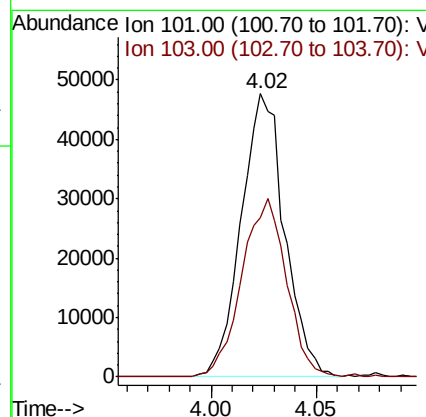
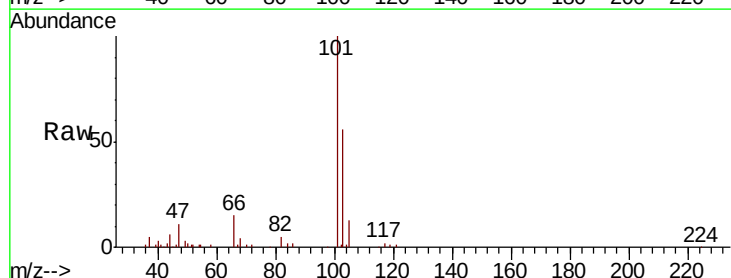
Acq: 25 Sep 2018 12:14

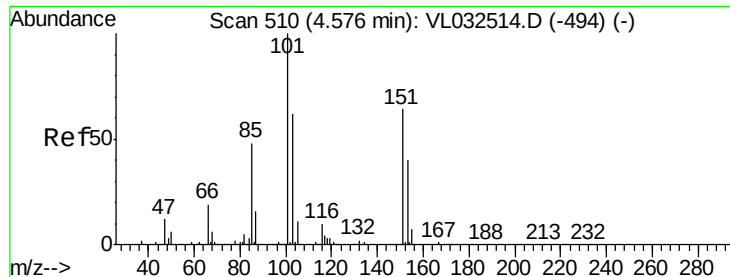
Tgt Ion: 101 Resp: 68196

Ion Ratio Lower Upper

101 100

103 56.4 52.8 79.2





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.466 ppbv

RT: 4.57 min Scan# 509

Delta R.T. -0.02 min

Lab File: VL032541.D

Acq: 25 Sep 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF3-092018DL

Tot Ion:101 Resp: 62944

Ion Ratio Lower Upper

101 100

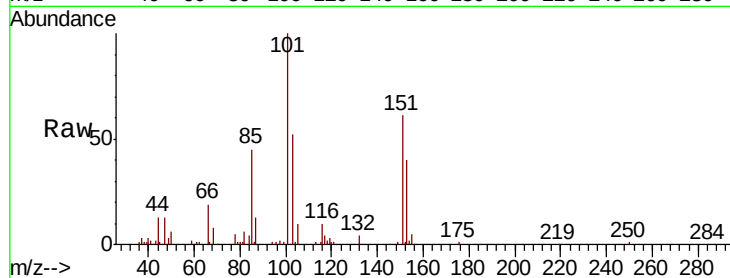
151 64.1 52.6 78.8

Manual Integrations

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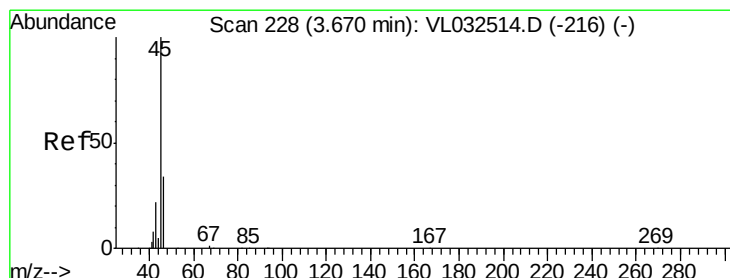
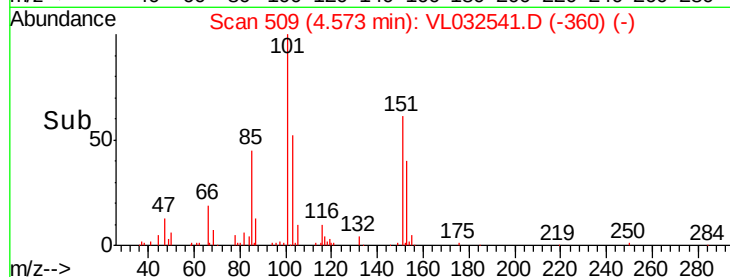
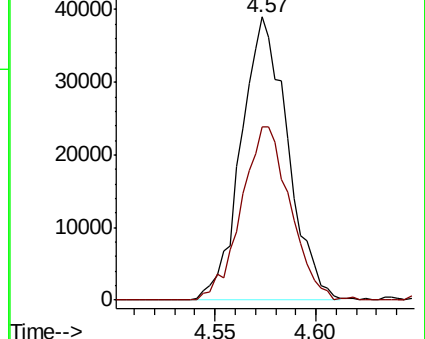
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 0.836 ppbv

RT: 3.68 min Scan# 232

Delta R.T. -0.00 min

Lab File: VL032541.D

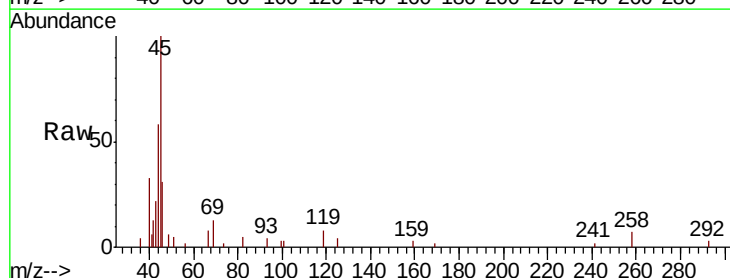
Acq: 25 Sep 2018 12:14

Tgt Ion: 45 Resp: 13631

Ion Ratio Lower Upper

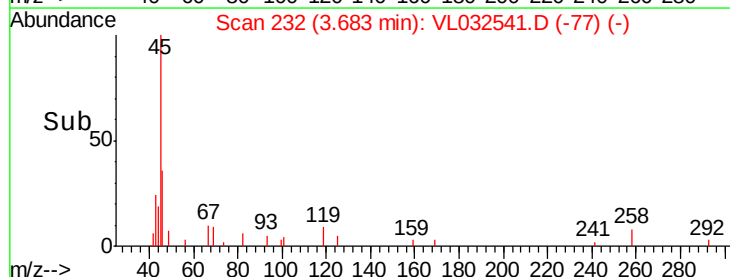
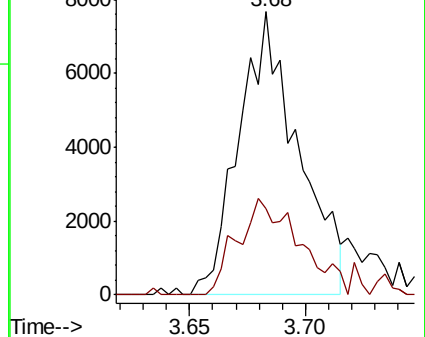
45 100

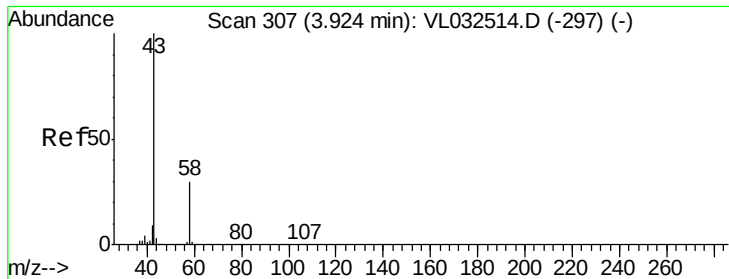
46 41.1 14.2 56.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 1.269 ppbv

RT: 3.93 min Scan# 309

Delta R.T. -0.01 min

Lab File: VL032541.D

Acq: 25 Sep 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF3-092018DL

Tot Ion: 43 Resp: 167392

Ion Ratio Lower Upper

43 100

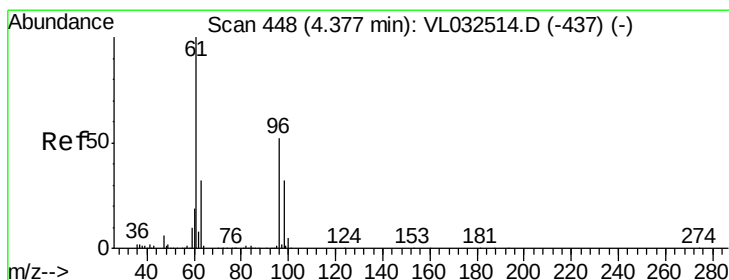
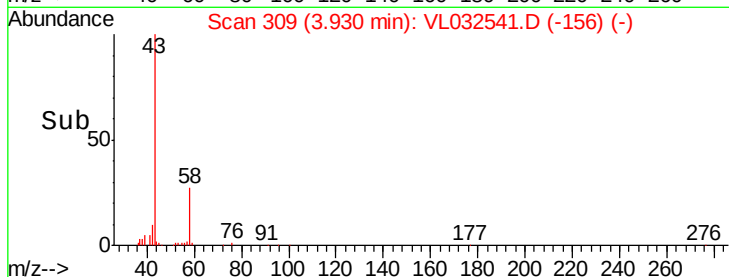
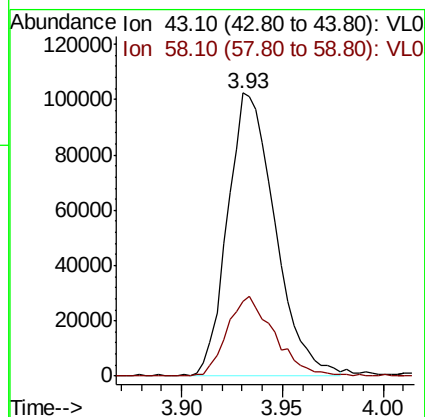
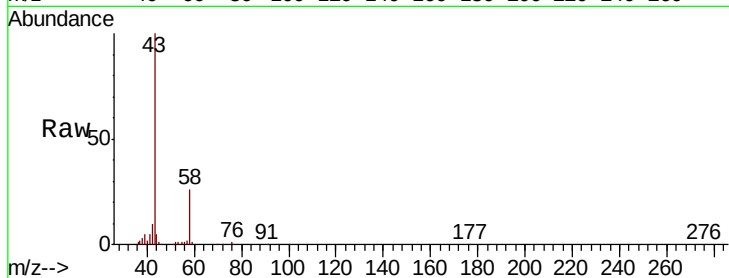
58 28.5 22.6 33.8

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#17

tert-Butyl alcohol

Concen: 0.684 ppbv m

RT: 4.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: VL032541.D

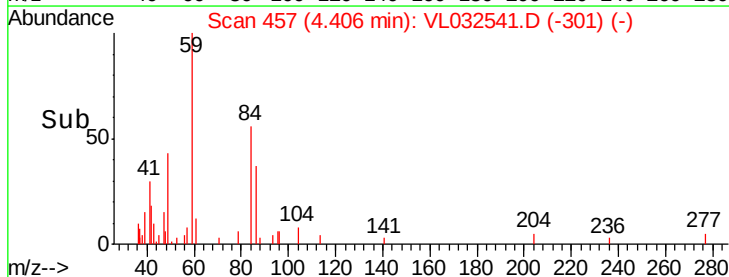
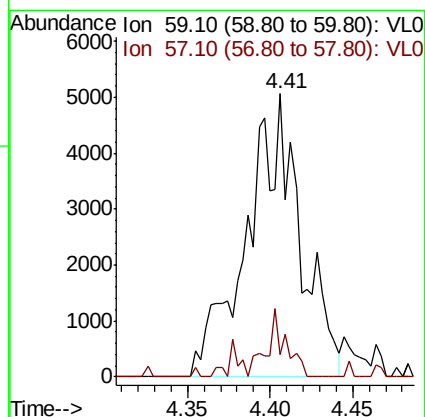
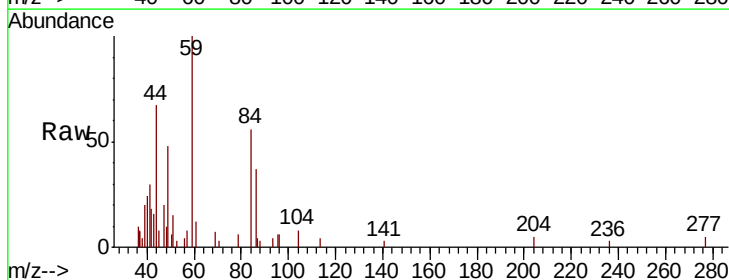
Acq: 25 Sep 2018 12:14

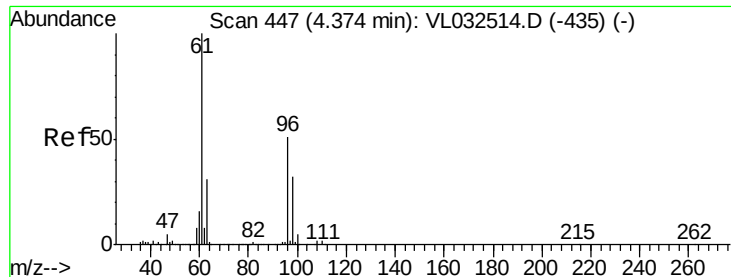
Tgt Ion: 59 Resp: 11345

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0





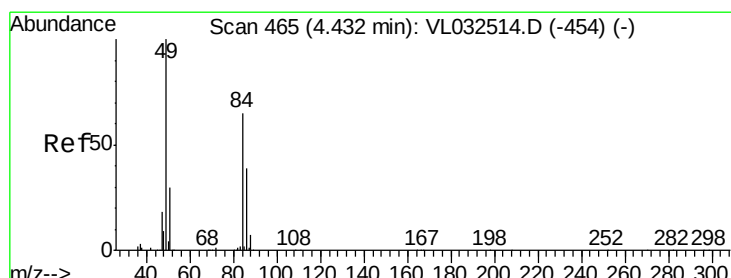
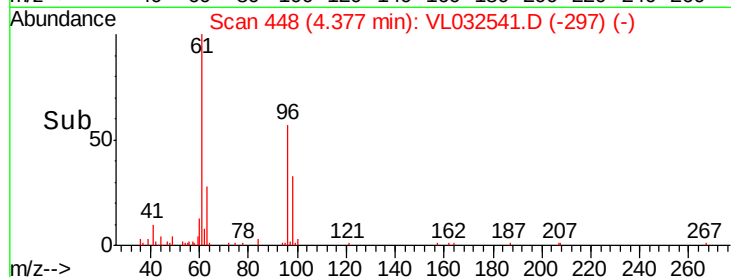
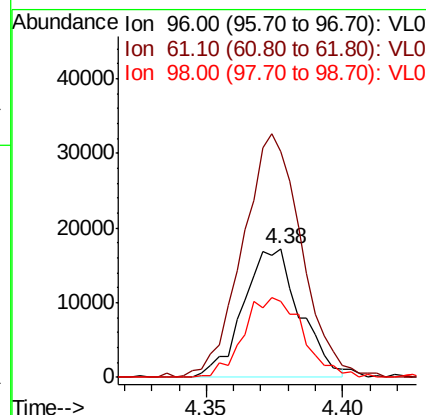
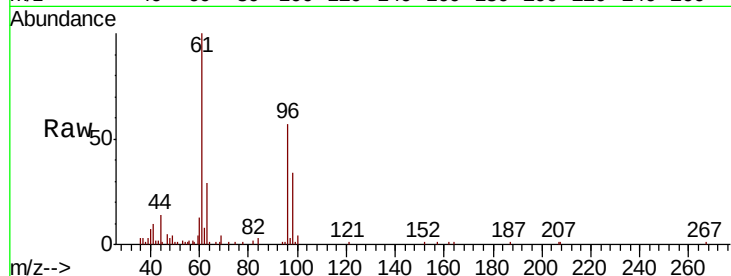
#18
 1,1-Dichloroethene
 Concen: 0.392 ppbv
 RT: 4.38 min Scan# 448
 Delta R.T. -0.01 min
 Lab File: VL032541.D
 Acq: 25 Sep 2018 12:14

Instrument :
 MSVOA_L
 ClientSampleID :
 SVE-INF3-092018DL

Tot Ion	Ratio	Lower	Upper
96	100		
61	169.5	159.2	238.8
98	59.5	51.0	76.4

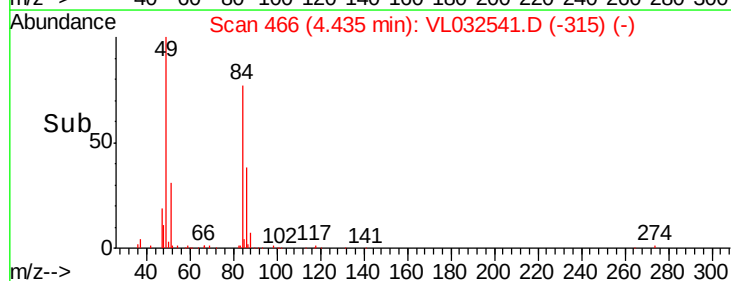
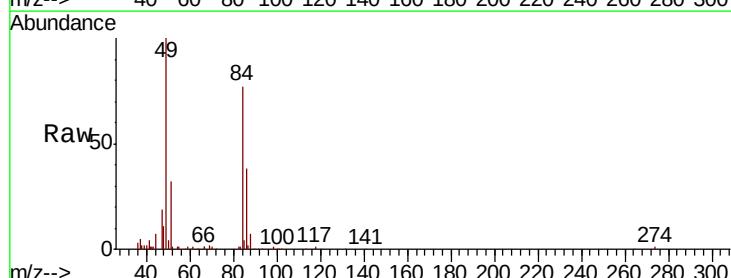
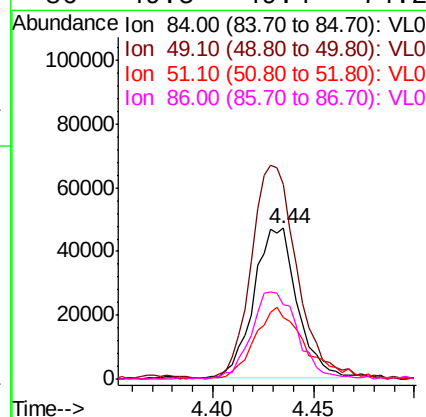
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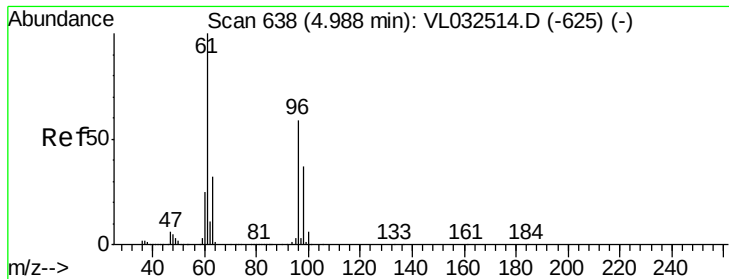
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#20
 Methylene Chloride
 Concen: 1.113 ppbv
 RT: 4.44 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: VL032541.D
 Acq: 25 Sep 2018 12:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.2	119.1	178.7
51	40.9	35.2	52.8
86	49.5	49.4	74.2





#22

trans-1,2-Dichloroethene

Concen: 0.166 ppbv

RT: 4.98 min Scan# 636

Delta R.T. -0.02 min

Lab File: VL032541.D

Acq: 25 Sep 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

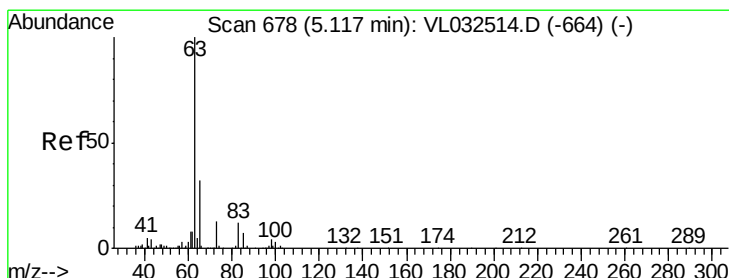
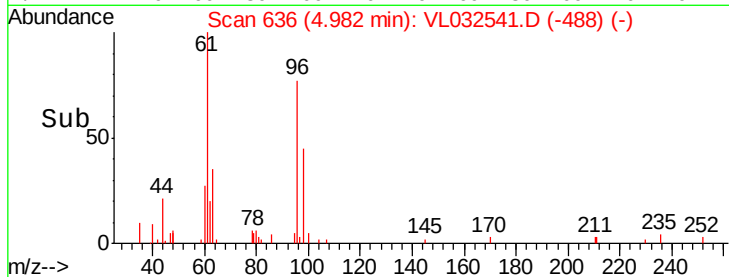
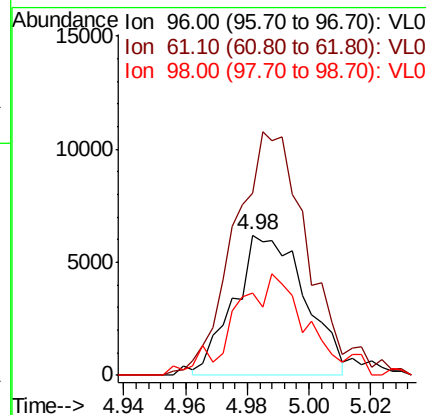
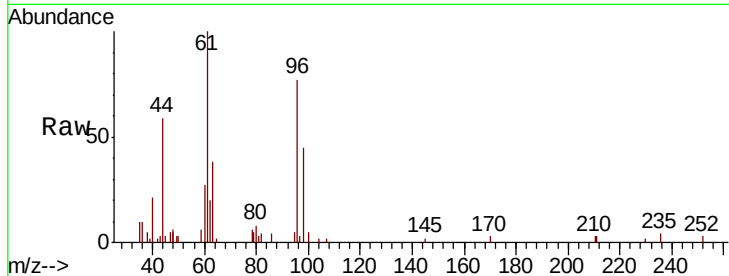
SVE-INF3-092018DL

Tot Ion:	96	Resp:	9880
Ion	Ratio	Lower	Upper
96	100		
61	123.8	136.2	204.4#
98	53.8	50.4	75.6

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#24

1,1-Dichloroethane

Concen: 8.947 ppbv

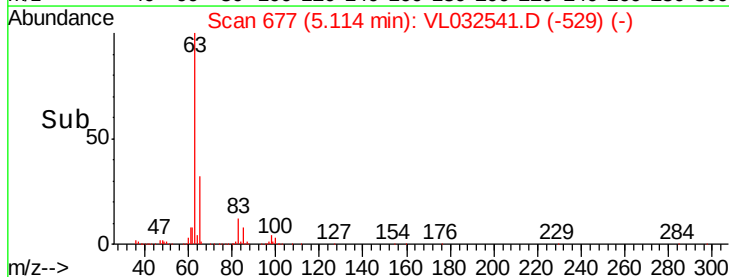
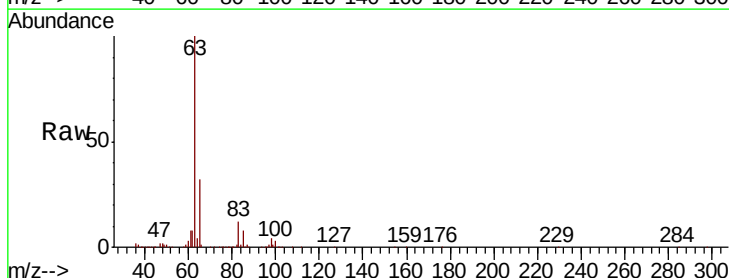
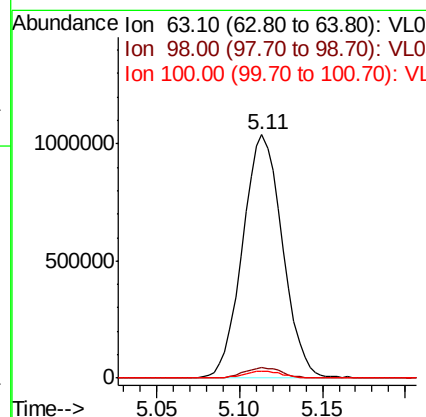
RT: 5.11 min Scan# 677

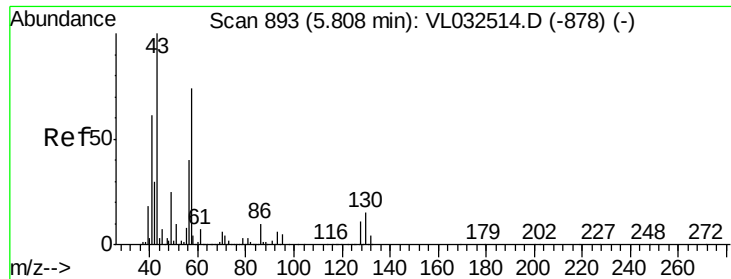
Delta R.T. -0.02 min

Lab File: VL032541.D

Acq: 25 Sep 2018 12:14

Tgt Ion:	63	Resp:	1736980
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.5
100	2.8	1.5	4.4





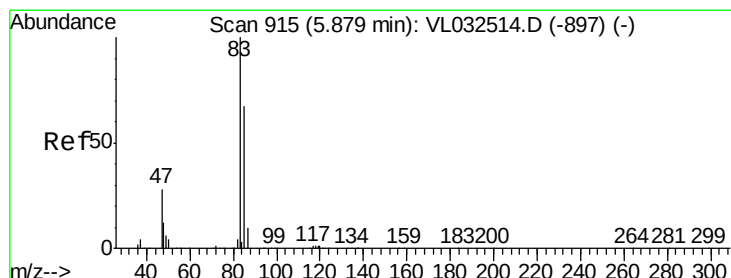
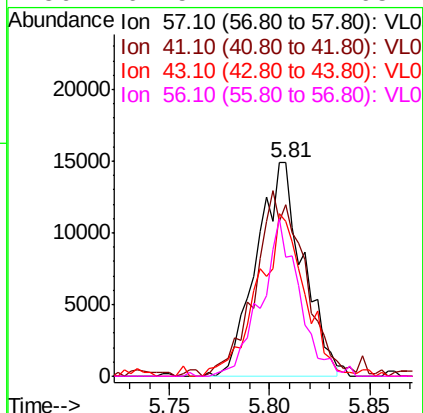
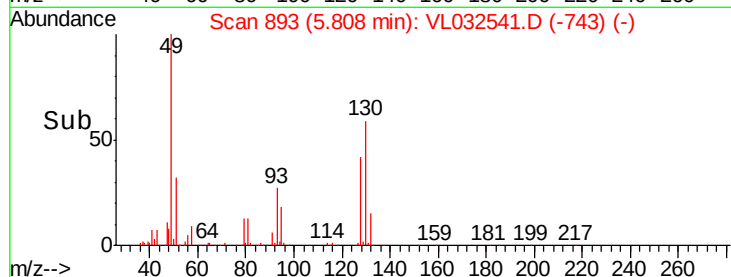
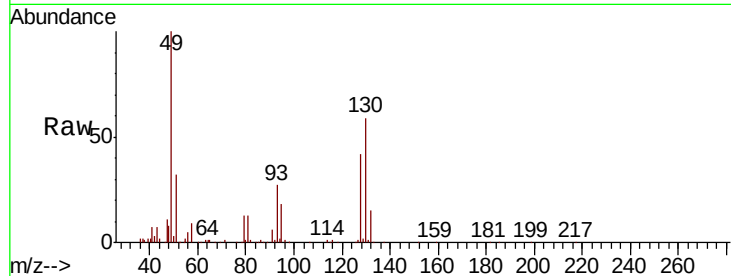
#26
Hexane
Concen: 0.167 ppbv m
RT: 5.81 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL032541.D
Acq: 25 Sep 2018 12:14

Instrument :
MSVOA_L
ClientSampleId :
SVE-INF3-092018DL

Tot Ion	57	Resp	24141
Ion	Ratio	Lower	Upper
57	100		
41	95.3	69.0	103.4
43	77.9	172.1	258.1#
56	61.5	42.2	63.2

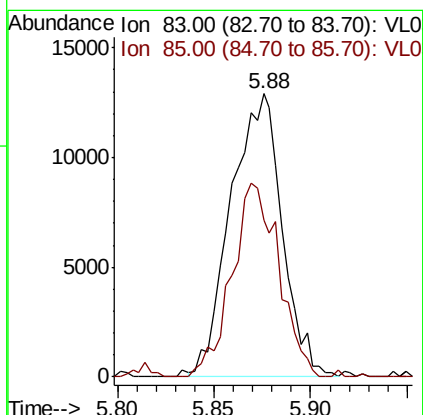
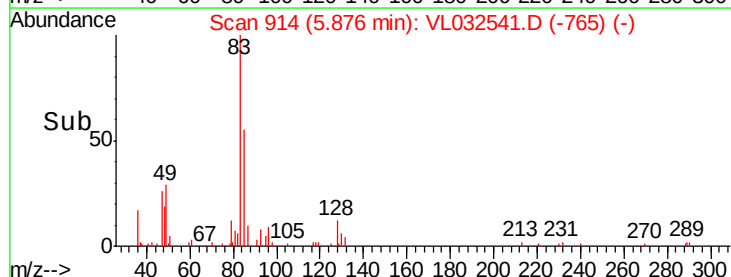
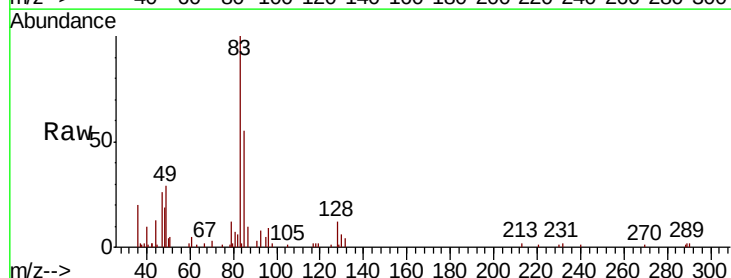
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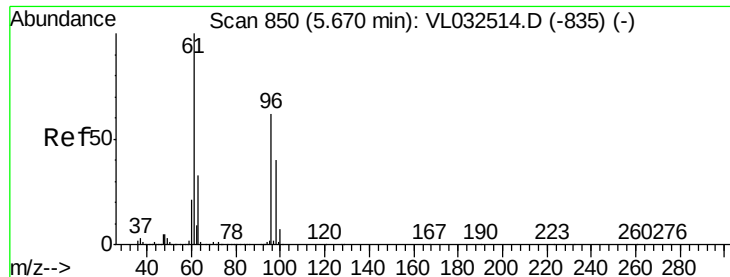
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#29
Chloroform
Concen: 0.107 ppbv
RT: 5.88 min Scan# 914
Delta R.T. -0.02 min
Lab File: VL032541.D
Acq: 25 Sep 2018 12:14

Tgt Ion	83	Resp	23849
Ion	Ratio	Lower	Upper
83	100		
85	55.3	52.5	78.7





#31

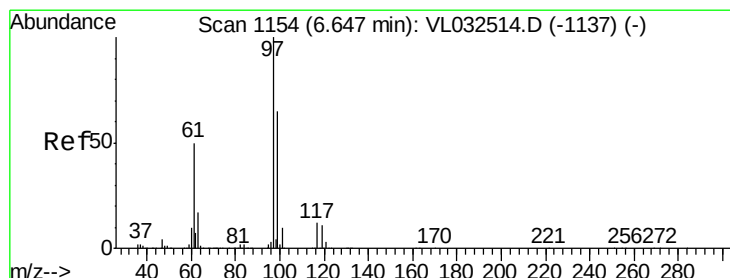
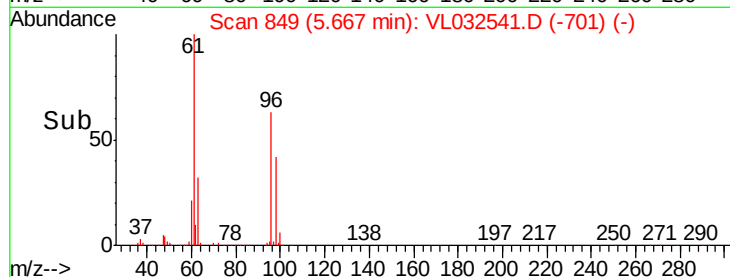
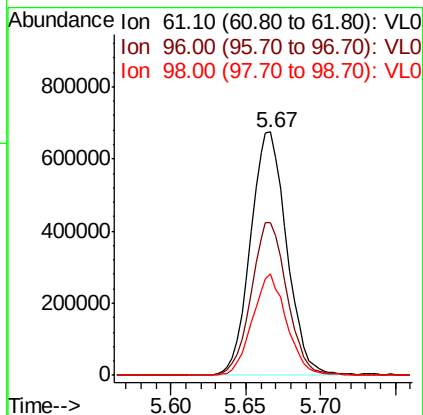
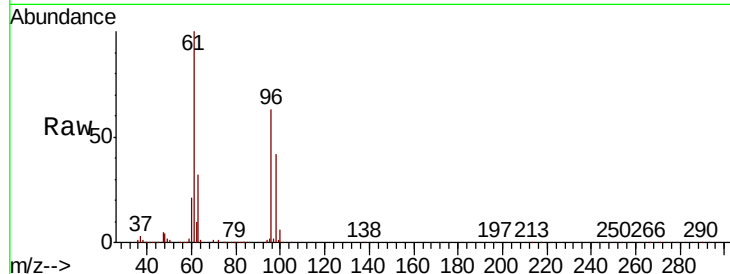
cis-1,2-Dichloroethene
 Concen: 8.245 ppbv
 RT: 5.67 min Scan# 849
 Delta R.T. -0.02 min
 Lab File: VL032541.D
 Acq: 25 Sep 2018 12:14

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INF3-092018DL

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.8	49.2	73.8
98	41.9	30.7	46.1

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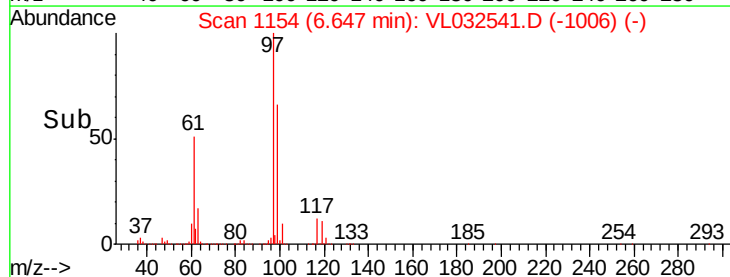
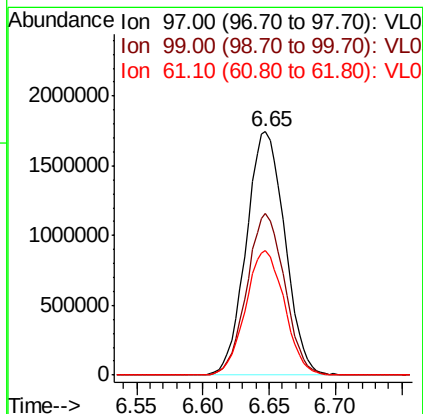
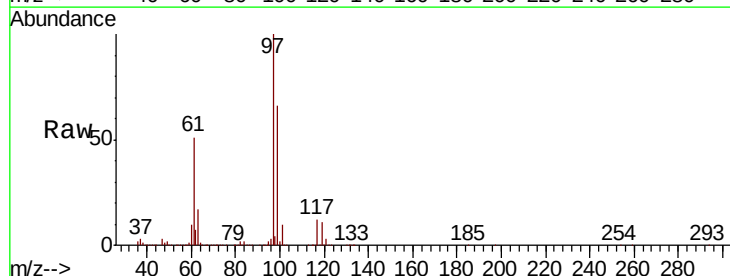
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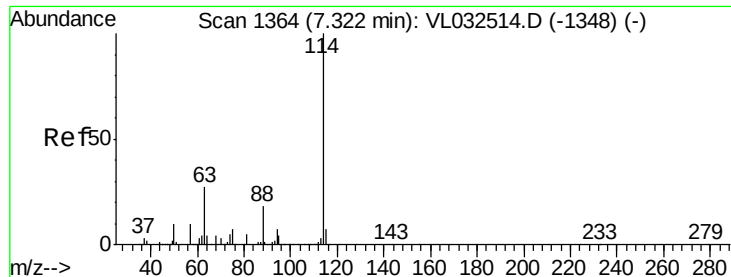


#32

1,1,1-Trichloroethane
 Concen: 15.000 ppbv
 RT: 6.65 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: VL032541.D
 Acq: 25 Sep 2018 12:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.1	78.1
61	51.4	42.5	63.7





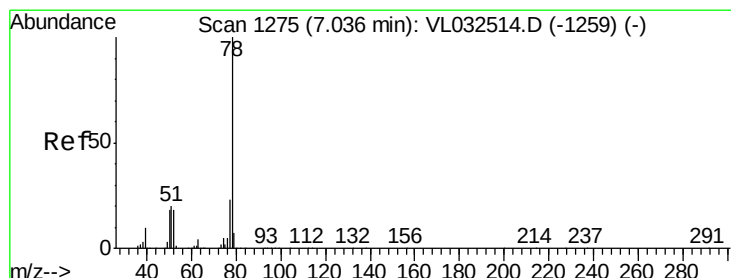
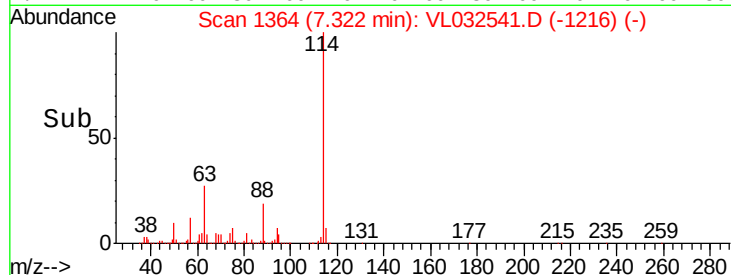
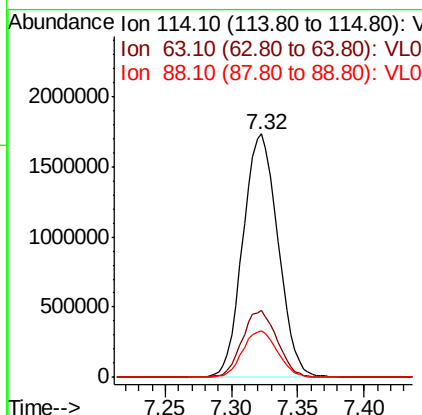
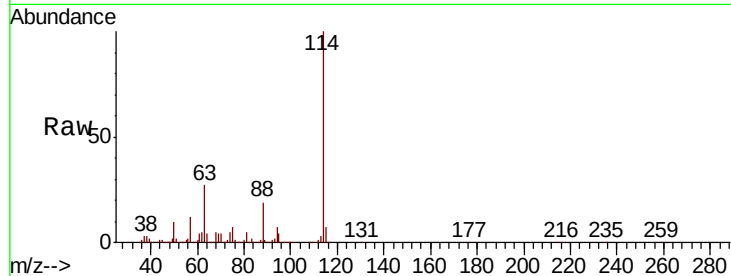
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1364
 Delta R.T. -0.02 min
 Lab File: VL032541.D
 Acq: 25 Sep 2018 12:14

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INF3-092018DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.2	33.4
88	18.9	15.0	22.4

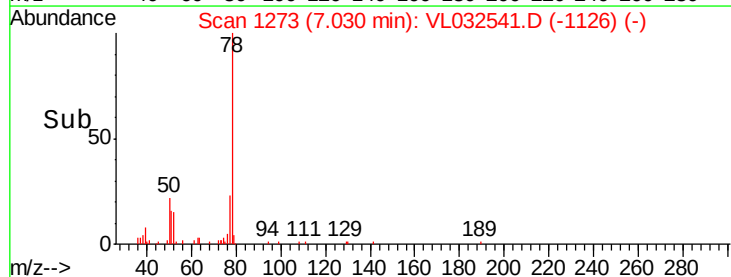
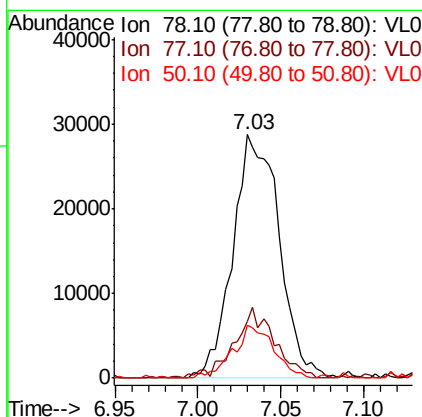
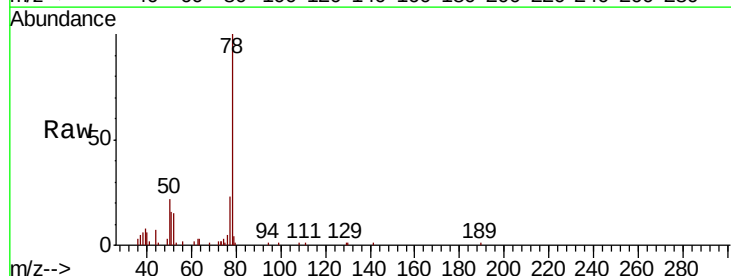
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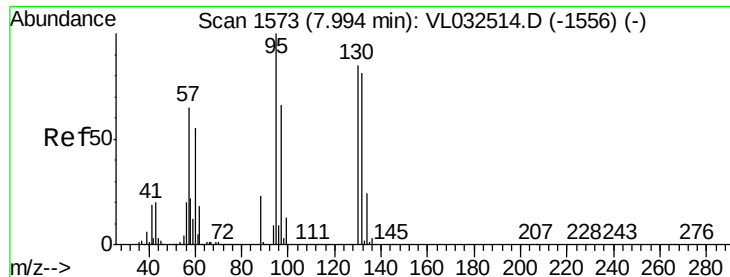
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#36
 Benzene
 Concen: 0.216 ppbv
 RT: 7.03 min Scan# 1273
 Delta R.T. -0.03 min
 Lab File: VL032541.D
 Acq: 25 Sep 2018 12:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.4	27.6
50	21.8	14.4	21.6#





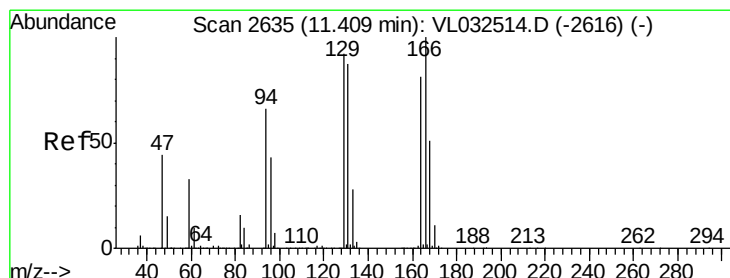
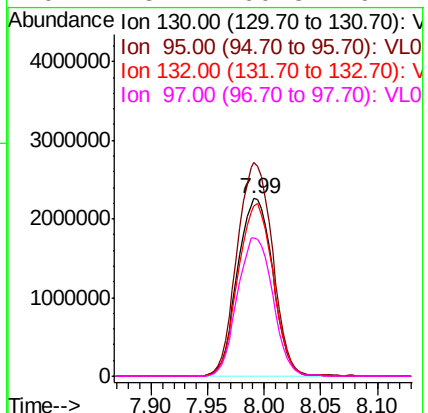
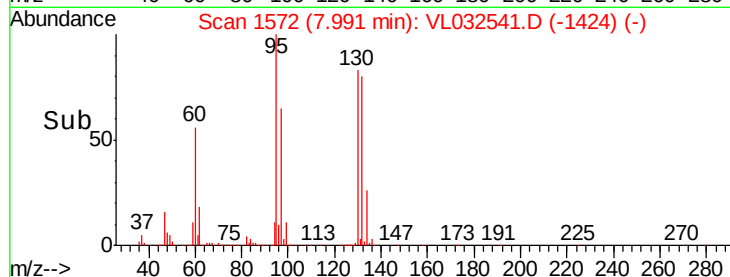
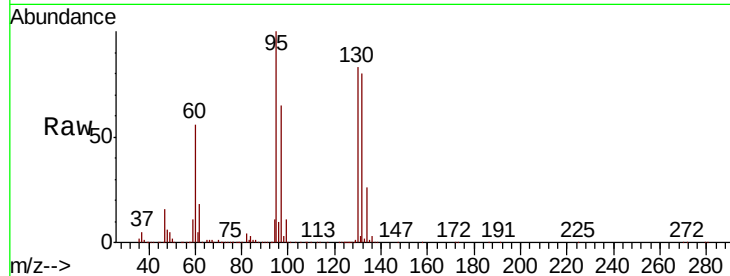
#38
 Trichloroethene
 Concen: 49.986 ppbv
 RT: 7.99 min Scan# 1572
 Delta R.T. -0.02 min
 Lab File: VL032541.D
 Acq: 25 Sep 2018 12:14

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INF3-092018DL

Tot Ion	Ion	Ratio	Lower	Upper
130	100			
95	120.3	94.2	141.4	
132	96.0	76.2	114.4	
97	78.1	60.8	91.2	

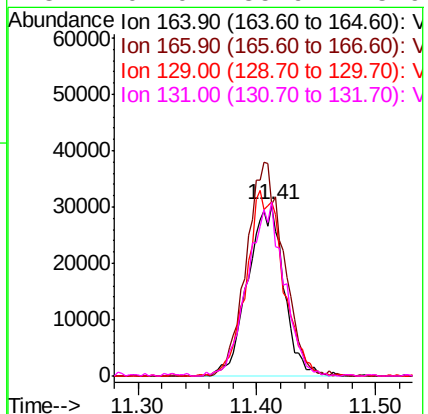
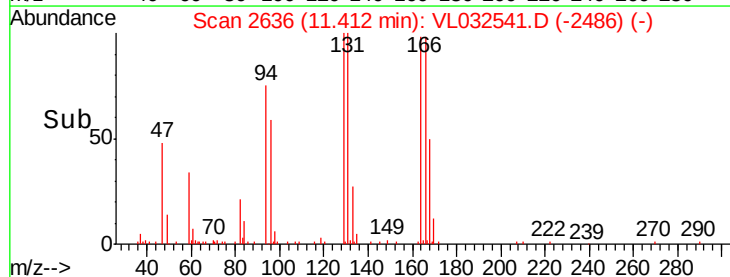
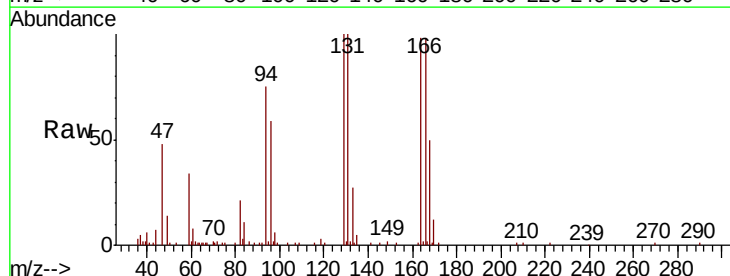
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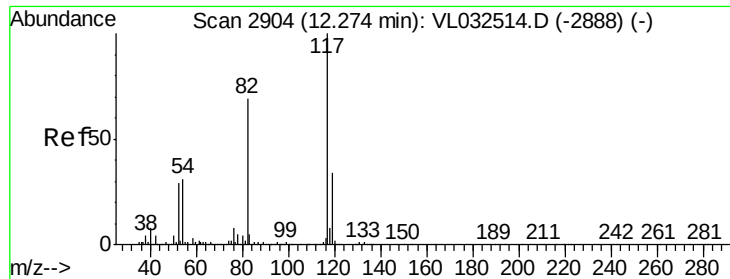
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#52
 Tetrachloroethene
 Concen: 0.702 ppbv m
 RT: 11.41 min Scan# 2636
 Delta R.T. -0.02 min
 Lab File: VL032541.D
 Acq: 25 Sep 2018 12:14

Tgt Ion	Ion	Ratio	Lower	Upper
164	100			
166	100.5	100.6	150.8#	
129	102.3	89.9	134.9	
131	102.0	85.9	128.9	





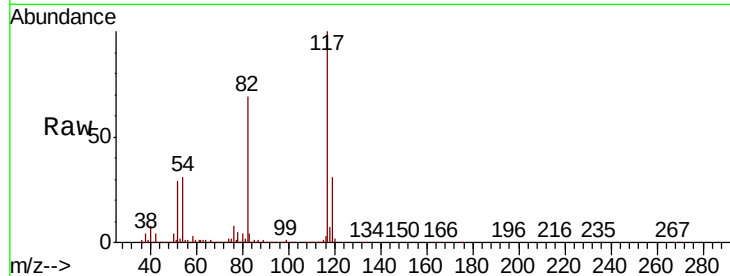
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.03 min
Lab File: VL032541.D
Acq: 25 Sep 2018 12:14

Instrument :
MSVOA_L
ClientSampleId :
SVE-INF3-092018DL

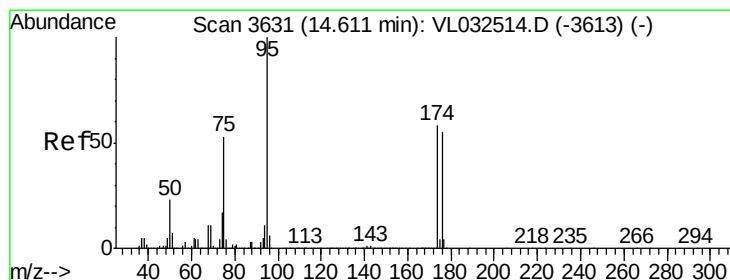
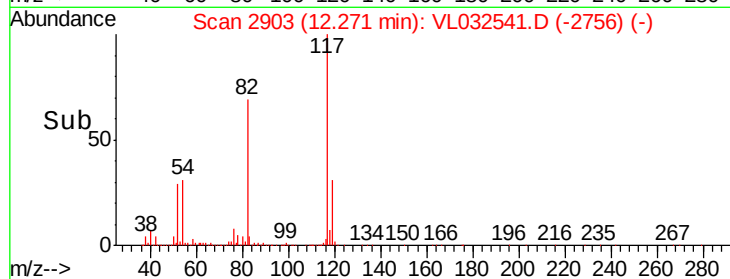
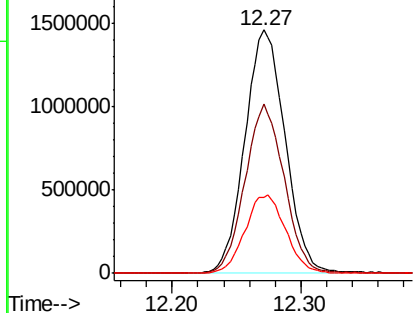
Tot Ion	Ratio	Lower	Upper
117	100		
82	68.1	53.0	79.6
119	32.7	45.9	68.9#

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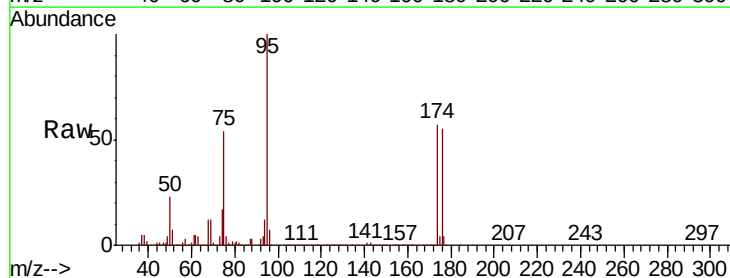


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.196 ppbv
RT: 14.61 min Scan# 3630
Delta R.T. -0.03 min
Lab File: VL032541.D
Acq: 25 Sep 2018 12:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	57.6	46.3	69.5
175	4.1	3.4	5.0



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

