

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
 Data File : VL032569.D
 Acq On : 28 Sep 2018 4:04
 Operator : SY/AP
 Sample : J5094-04
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 FIA-1

Manual Integrations
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MMDadoda
 10/1/2018 11:57:53 AM

Quant Time: Sep 28 05:02:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 28 05:02:29 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	5.80	49	1298587	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.33	114	2872574	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.27	117	2959316	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2134809	9.57	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.09	85	172680	1.438	ppbv	97
3) Chlorodifluoromethane	3.02	51	26149393	242.146	ppbv #	21
9) Propene	3.07	41	1199304m	25.596	ppbv	
11) Trichlorofluoromethane	4.03	101	40055	0.281	ppbv	89
13) Ethanol	3.67	45	371625	26.387	ppbv	97
15) Acetone	3.92	43	17301451	151.784	ppbv #	79
19) Isopropyl Alcohol	4.05	45	1412619	17.792	ppbv #	93
20) Methylene Chloride	4.44	84	162907	2.951	ppbv	94
26) Hexane	5.81	57	346064	2.770	ppbv #	53
34) 2-Butanone	5.37	43	50242	0.294	ppbv	99
35) Carbon Tetrachloride	7.17	117	14248	0.071	ppbv	96
36) Benzene	7.04	78	47377	0.204	ppbv #	92
37) 1,2-Dichloroethane	6.44	62	114006	0.815	ppbv	99
44) 2,2,4-Trimethylpentane	8.03	57	58561m	0.129	ppbv	
52) Tetrachloroethene	11.41	164	20234m	0.250	ppbv	
53) Toluene	9.98	91	2150470	7.602	ppbv	99
74) 1,2,4-Trimethylbenzene	16.96	105	100142	0.284	ppbv #	67

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

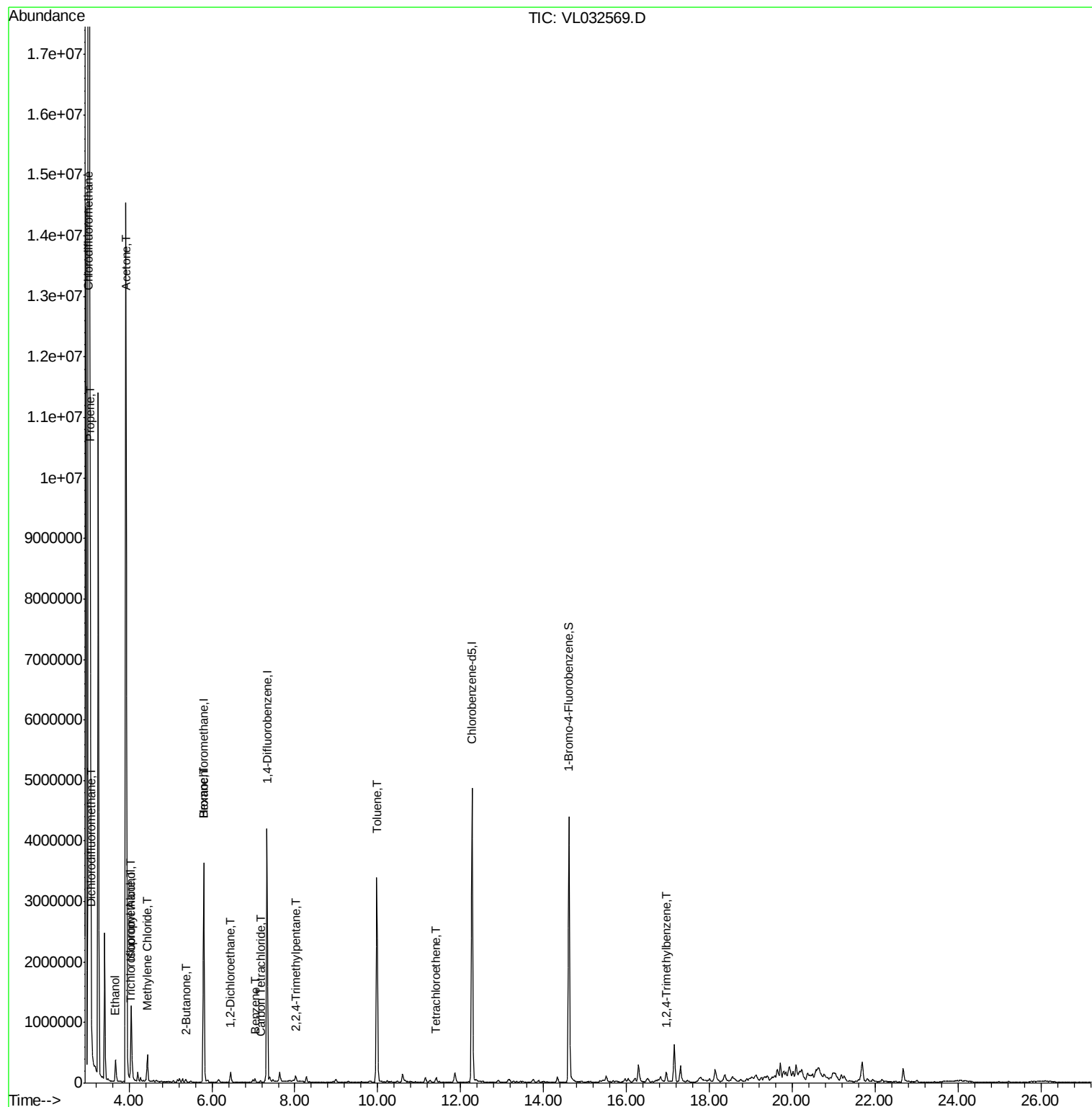
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
Data File : VL032569.D
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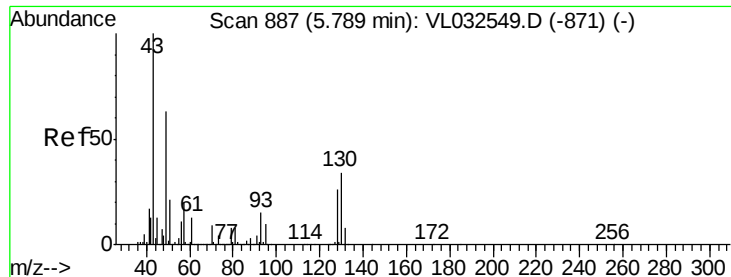
Instrument :
MSVOA_L
ClientSampleId :
FIA-1

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Quant Time: Sep 28 05:02:29 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: 5.80 min Scan# 890

Delta R.T. -0.01 min

Lab File: VL032569.D

Acq: 28 Sep 2018 4:04

Instrument :

MSVOA_L

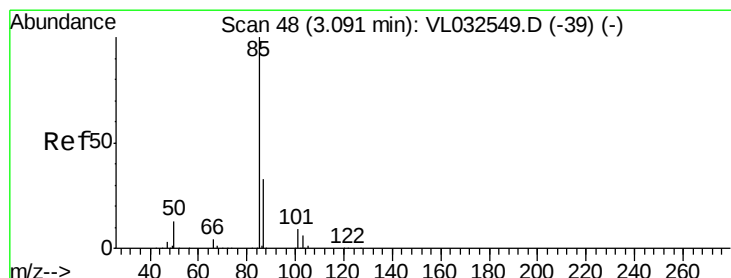
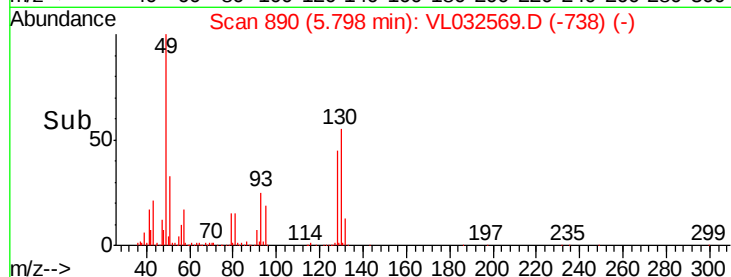
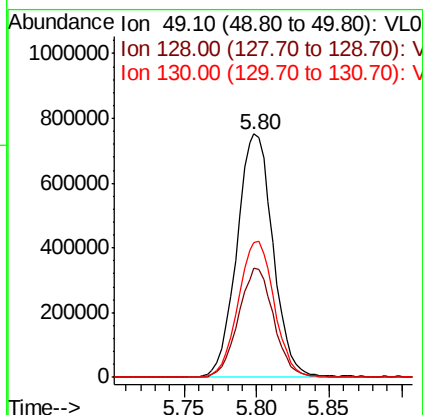
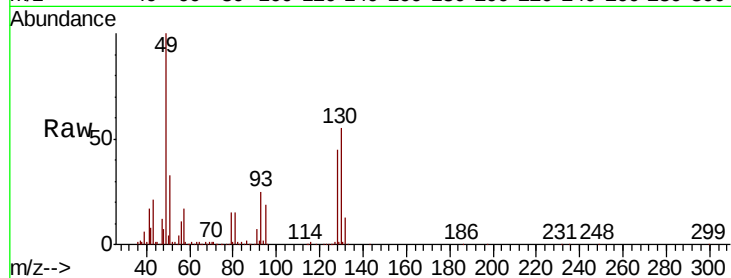
ClientSampled :

FIA-1

Tgt Ion: 49 Resp: 1298587
 Ion Ratio Lower Upper
 49 100
 128 44.0 20.7 62.1
 130 56.1 26.6 79.7

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#2

Dichlorodifluoromethane

Concen: 1.438 ppbv

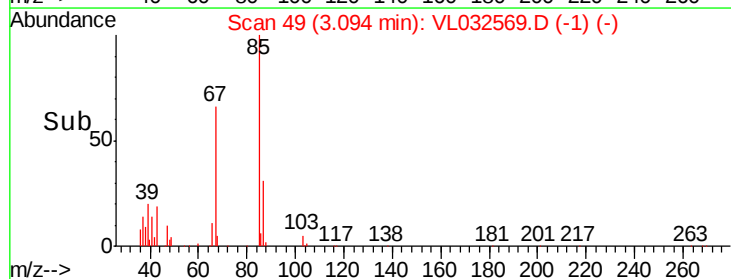
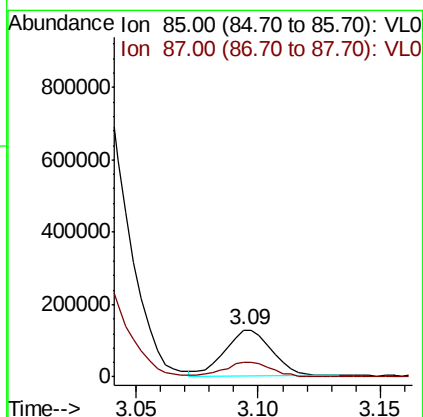
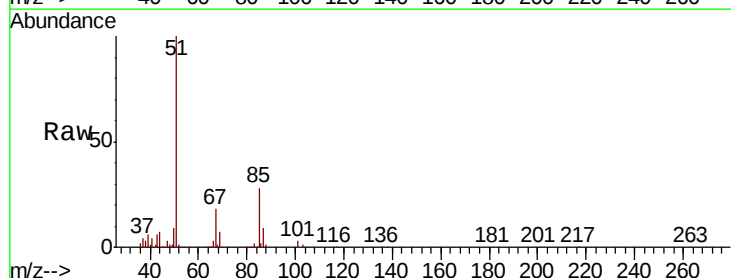
RT: 3.09 min Scan# 49

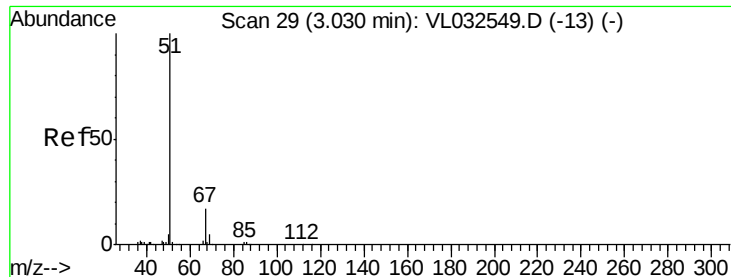
Delta R.T. -0.02 min

Lab File: VL032569.D

Acq: 28 Sep 2018 4:04

Tgt Ion: 85 Resp: 172680
 Ion Ratio Lower Upper
 85 100
 87 30.9 26.2 39.4





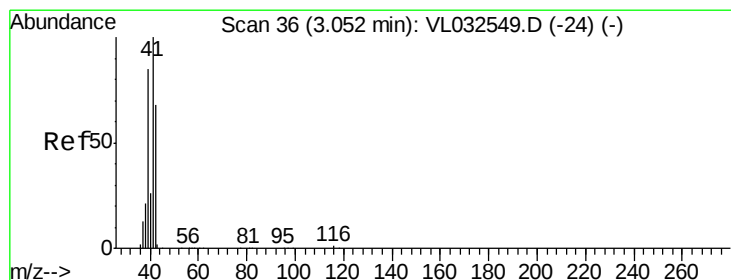
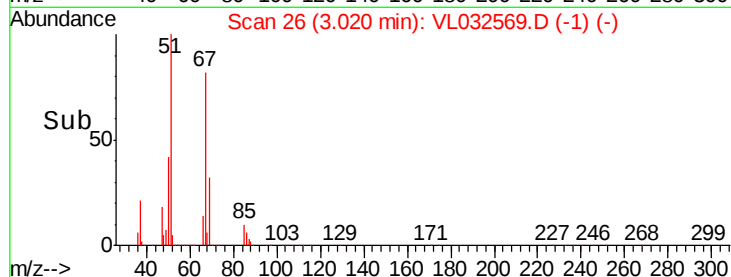
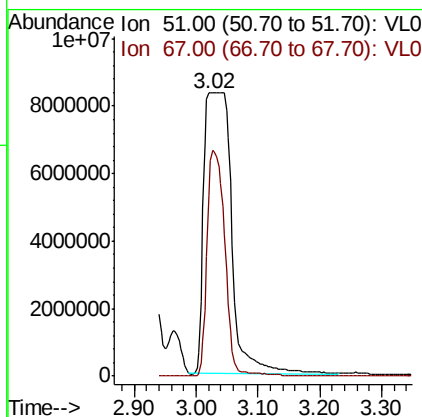
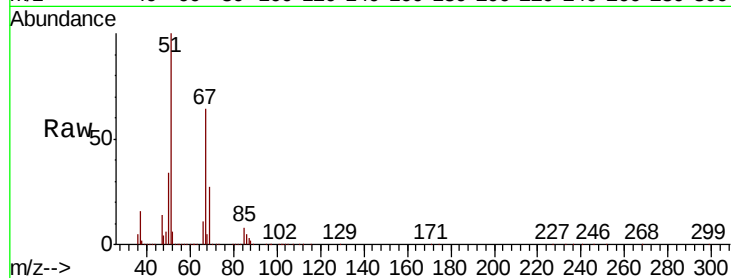
#3
 Chlorodifluoromethane
 Concen: 242.146 ppbv
 RT: 3.02 min Scan# 26
 Delta R.T. -0.02 min
 Lab File: VL032569.D
 Acq: 28 Sep 2018 4:04

Instrument :
 MSVOA_L
 ClientSampleId :
 FIA-1

Tgt Ion: 51 Resp: 26149393
 Ion Ratio Lower Upper
 51 100
 67 51.9 13.8 20.8#

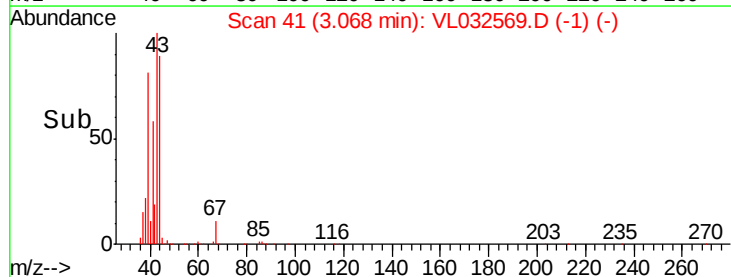
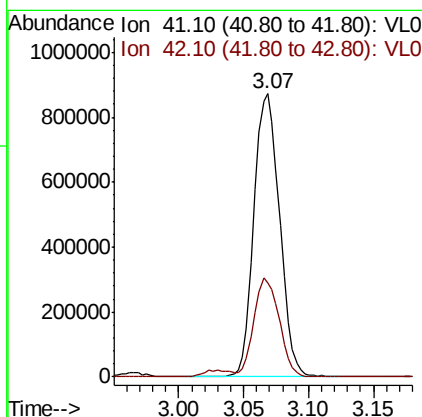
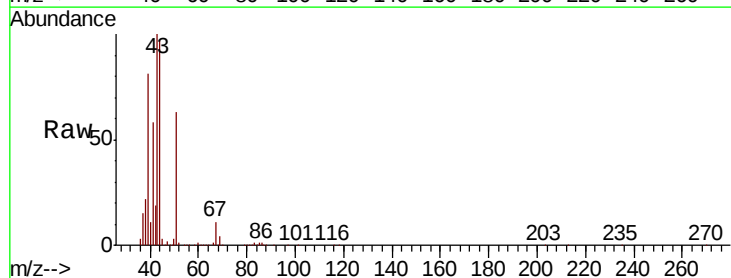
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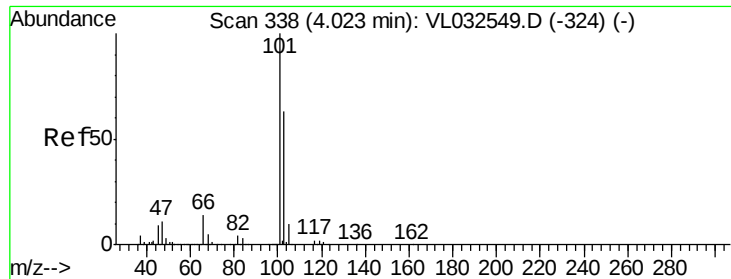
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#9
 Propene
 Concen: 25.596 ppbv m
 RT: 3.07 min Scan# 41
 Delta R.T. 0.00 min
 Lab File: VL032569.D
 Acq: 28 Sep 2018 4:04

Tgt Ion: 41 Resp: 1199304
 Ion Ratio Lower Upper
 41 100
 42 204.0 56.6 84.8#





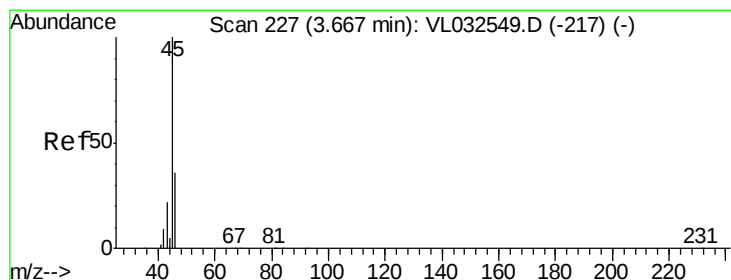
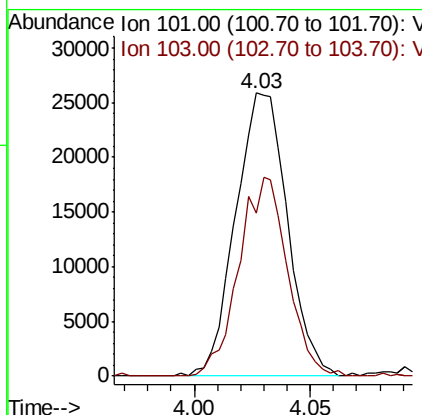
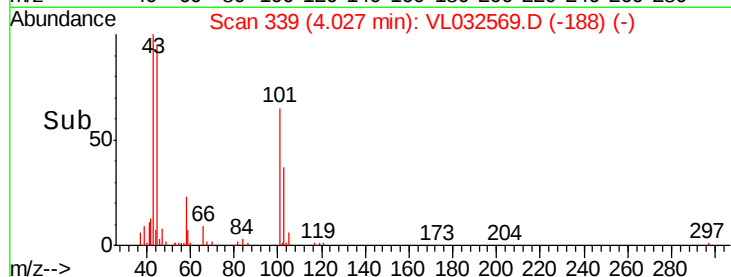
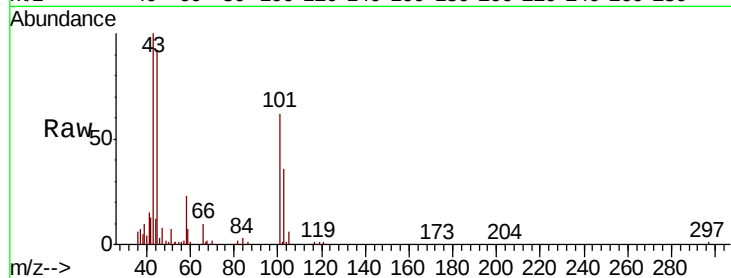
#11
Trichlorofluoromethane
Concen: 0.281 ppbv
RT: 4.03 min Scan# 339
Delta R.T. -0.02 min
Lab File: VL032569.D
Acq: 28 Sep 2018 4:04

Instrument :
MSVOA_L
ClientSampled :
FIA-1

Tgt Ion	Ratio	Lower	Upper
101	100		
103	57.6	52.8	79.2

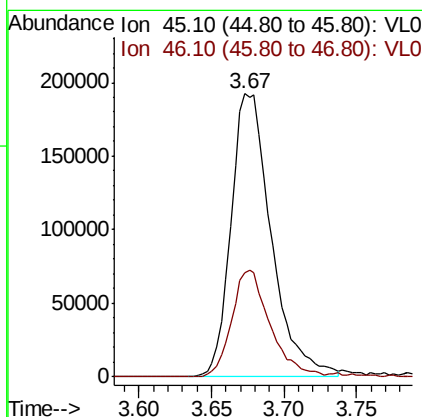
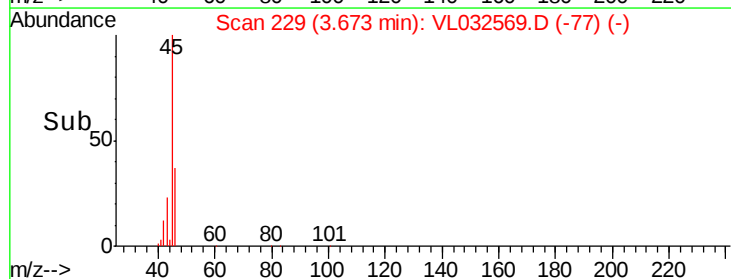
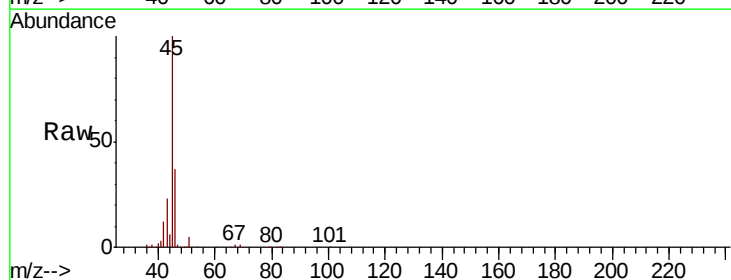
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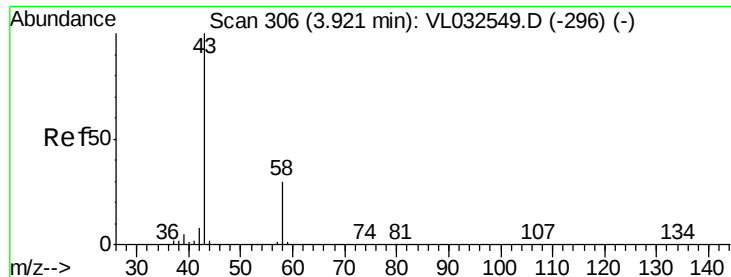
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#13
Ethanol
Concen: 26.387 ppbv
RT: 3.67 min Scan# 229
Delta R.T. -0.01 min
Lab File: VL032569.D
Acq: 28 Sep 2018 4:04

Tgt Ion	Ratio	Lower	Upper
45	100		
46	37.1	14.2	56.8





#15

Acetone

Concen: 151.784 ppbv

RT: 3.92 min Scan# 307

Delta R.T. -0.02 min

Lab File: VL032569.D

Acq: 28 Sep 2018 4:04

Instrument :

MSVOA_L

ClientSampled :

FIA-1

Tgt Ion: 43 Resp:17301451

Ion Ratio Lower Upper

43 100

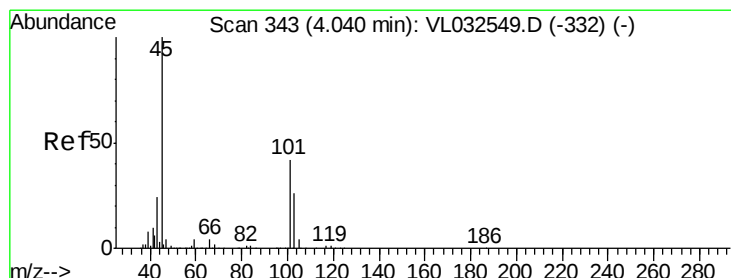
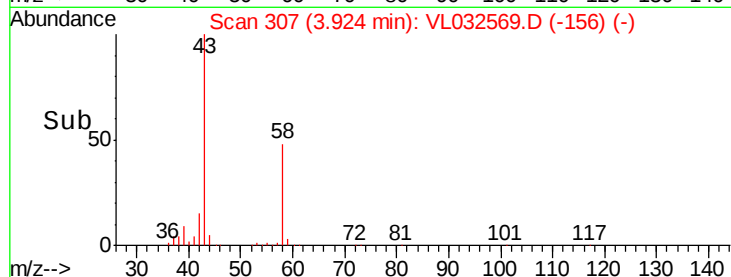
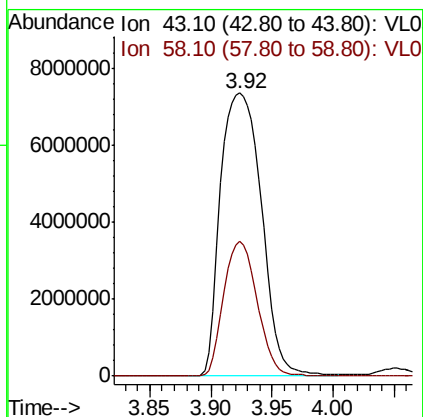
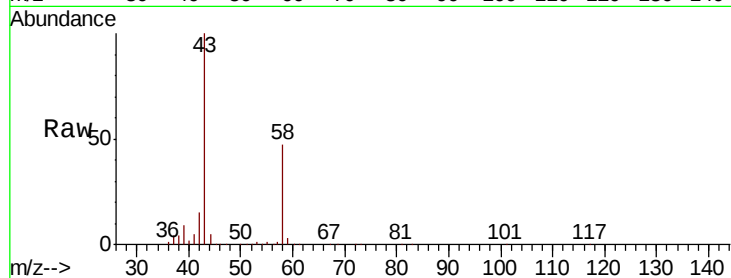
58 39.2 22.6 33.8#

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#19

Isopropyl Alcohol

Concen: 17.792 ppbv

RT: 4.05 min Scan# 347

Delta R.T. -0.01 min

Lab File: VL032569.D

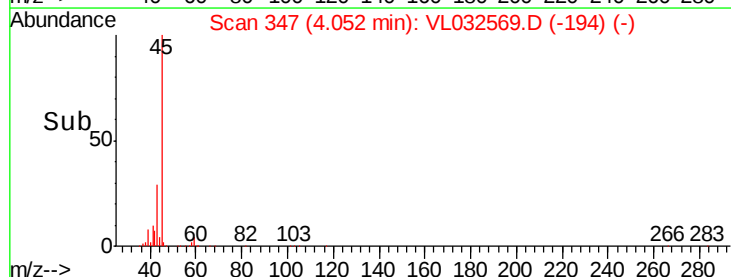
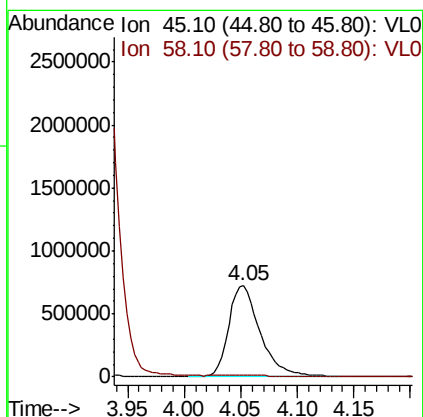
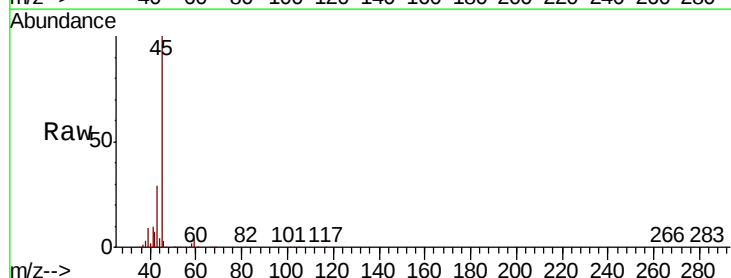
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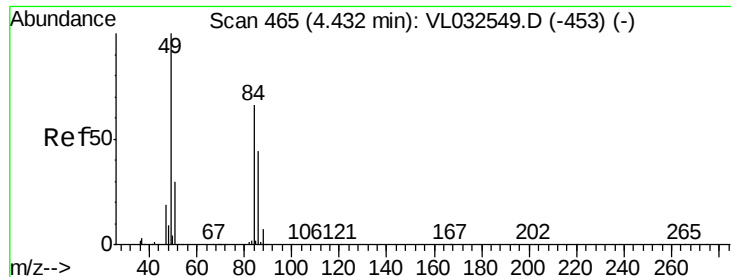
Tgt Ion: 45 Resp: 1412619

Ion Ratio Lower Upper

45 100

58 0.0 2.0 3.0#





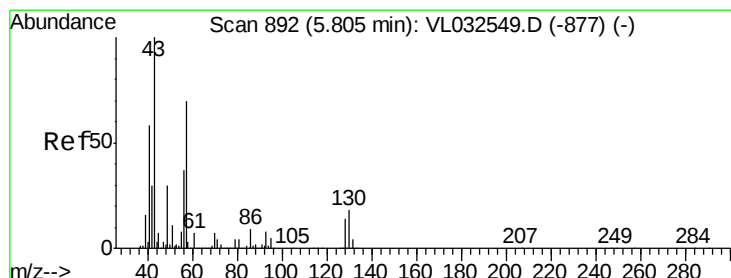
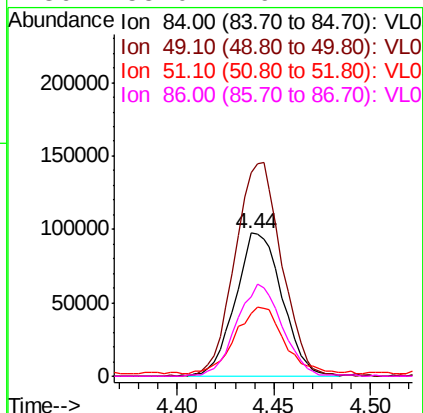
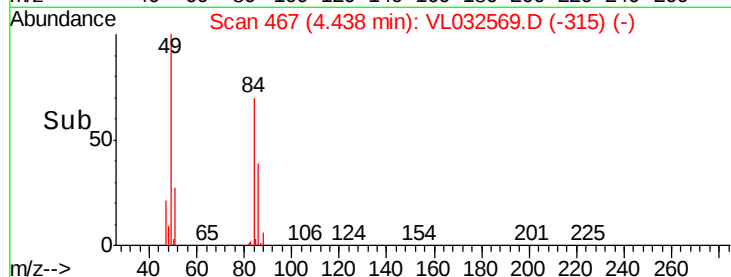
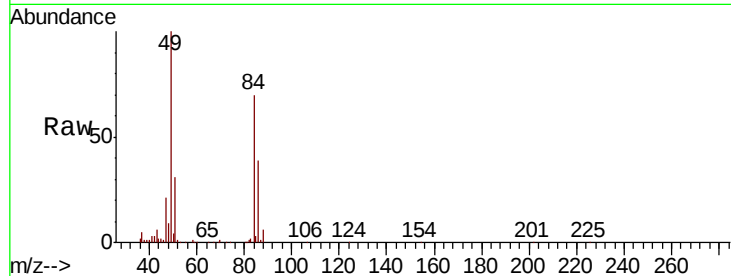
#20
Methylene Chloride
Concen: 2.951 ppbv
RT: 4.44 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL032569.D
Acq: 28 Sep 2018 4:04

Instrument :
MSVOA_L
ClientSampleId :
FIA-1

Tgt Ion:	84	Resp:	162907
Ion	Ratio	Lower	Upper
84	100		
49	142.2	119.1	178.7
51	42.3	35.2	52.8
86	55.0	49.4	74.2

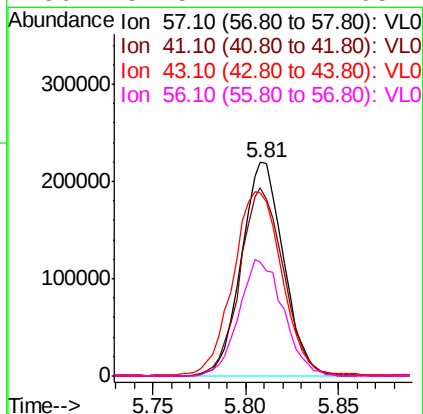
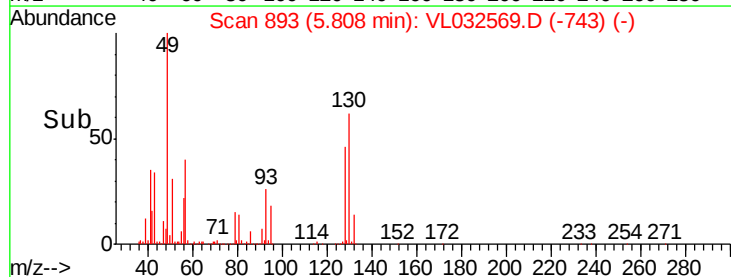
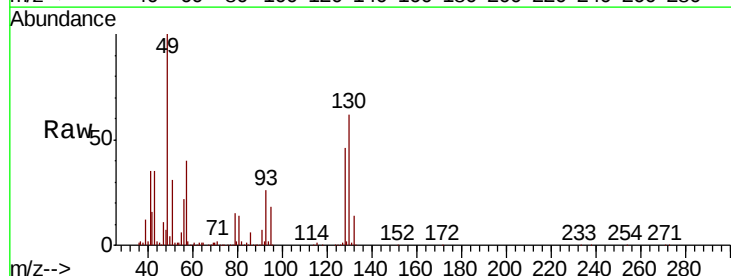
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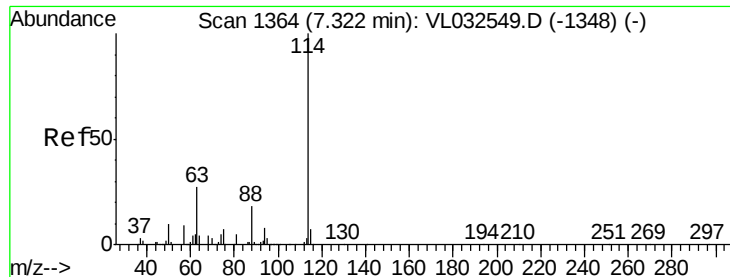
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#26
Hexane
Concen: 2.770 ppbv
RT: 5.81 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL032569.D
Acq: 28 Sep 2018 4:04

Tgt Ion:	57	Resp:	346064
Ion	Ratio	Lower	Upper
57	100		
41	92.6	69.0	103.4
43	99.7	172.1	258.1
56	57.5	42.2	63.2





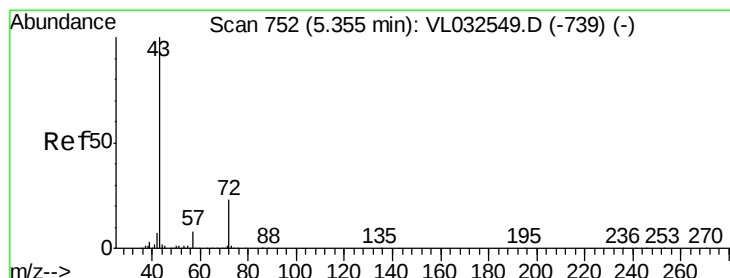
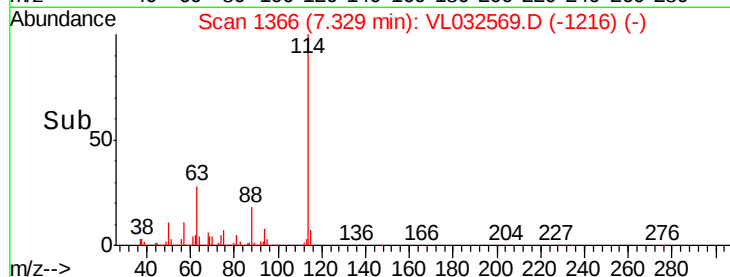
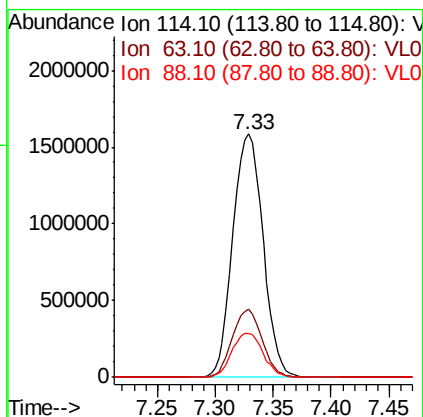
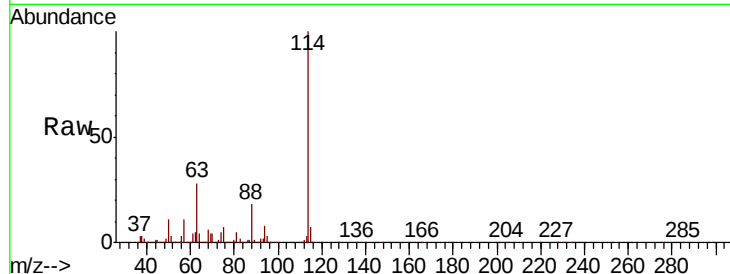
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 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.33 min Scan# 1366
 Delta R.T. -0.02 min
 Lab File: VL032569.D
 Acq: 28 Sep 2018 4:04

Instrument :
 MSVOA_L
 ClientSampleId :
 FIA-1

Tgt Ion: 114 Resp: 2872574
 Ion Ratio Lower Upper
 114 100
 63 27.3 22.2 33.4
 88 18.5 15.0 22.4

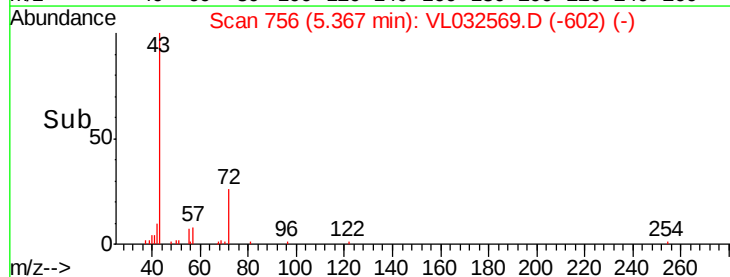
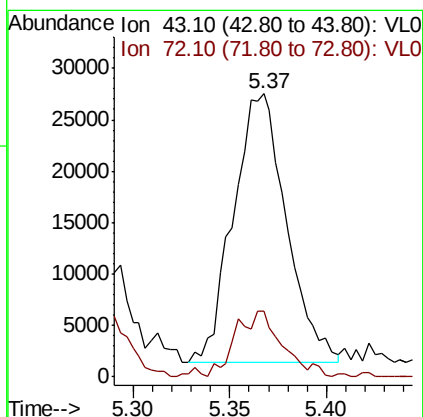
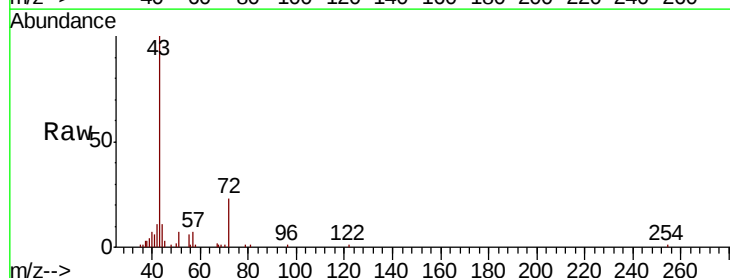
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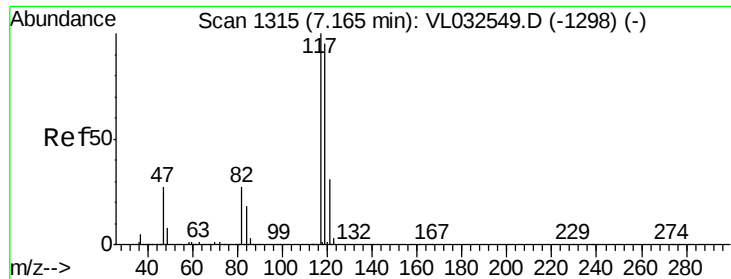
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#34
 2-Butanone
 Concen: 0.294 ppbv
 RT: 5.37 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: VL032569.D
 Acq: 28 Sep 2018 4:04

Tgt Ion: 43 Resp: 50242
 Ion Ratio Lower Upper
 43 100
 72 22.6 17.8 26.6





#35

Carbon Tetrachloride

Concen: 0.071 ppbv

RT: 7.17 min Scan# 1316

Delta R.T. -0.02 min

Lab File: VL032569.D

Acq: 28 Sep 2018 4:04

Instrument :

MSVOA_L

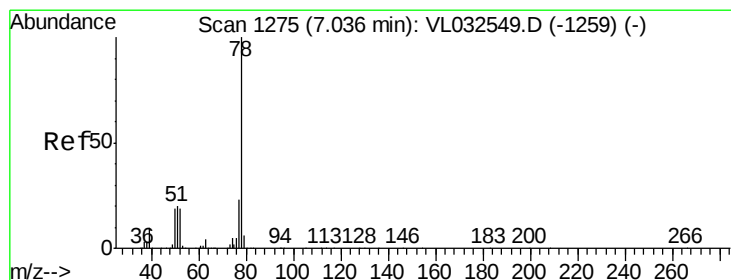
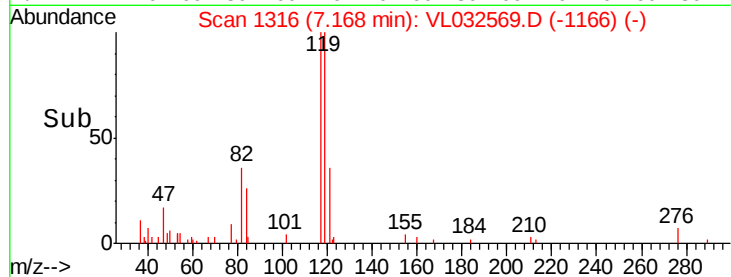
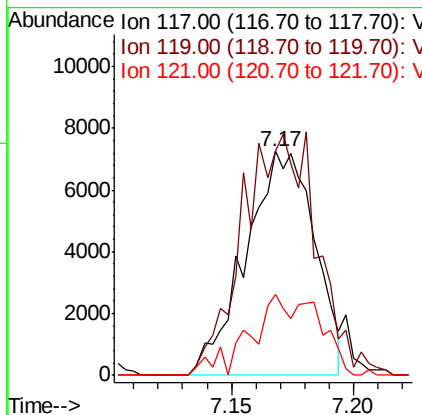
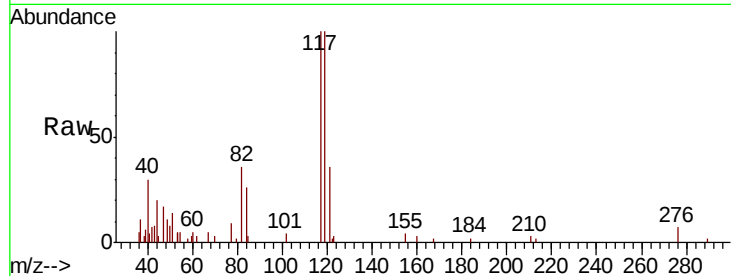
ClientSampled :

FIA-1

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.6	115.0
121	36.0	24.6	36.8

Manual Integrations
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10/1/2018 11:57:53 AM



#36

Benzene

Concen: 0.204 ppbv

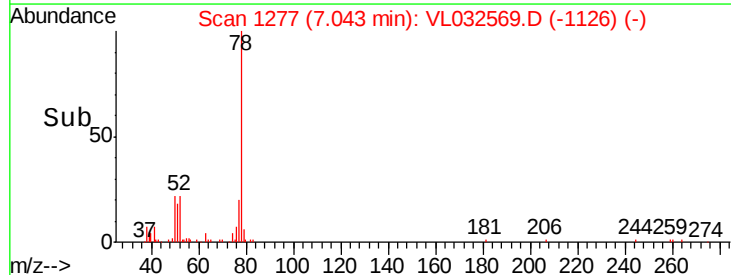
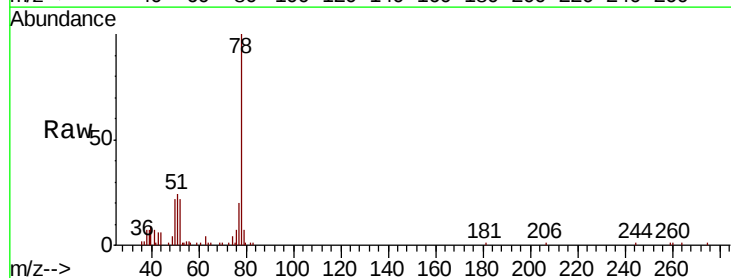
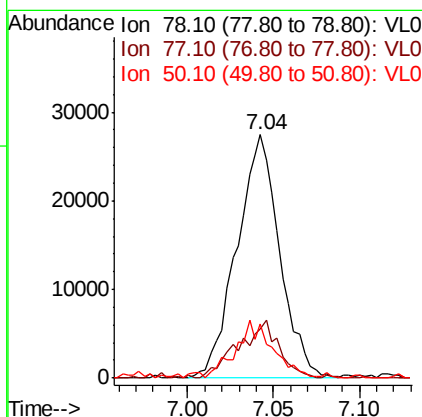
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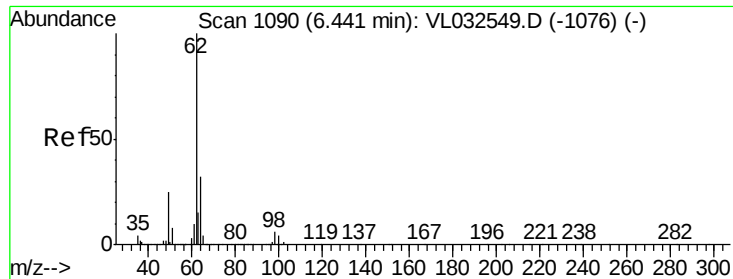
Delta R.T. -0.02 min

Lab File: VL032569.D

Acq: 28 Sep 2018 4:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	19.8	18.4	27.6
50	22.0	14.4	21.6





#37

1,2-Dichloroethane

Concen: 0.815 ppbv

RT: 6.44 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VL032569.D

Acq: 28 Sep 2018 4:04

Instrument :

MSVOA_L

ClientSampled :

FIA-1

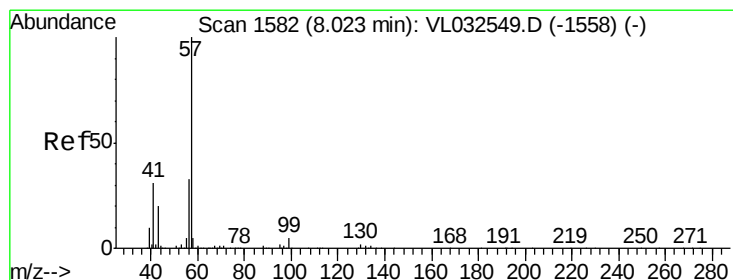
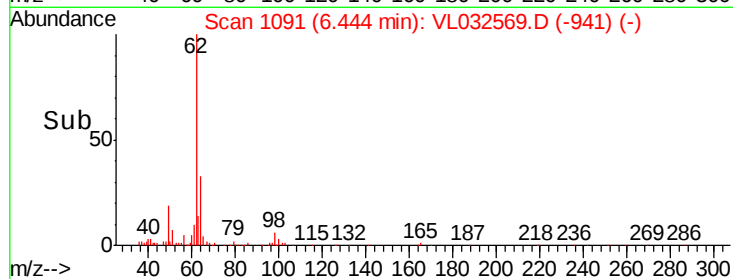
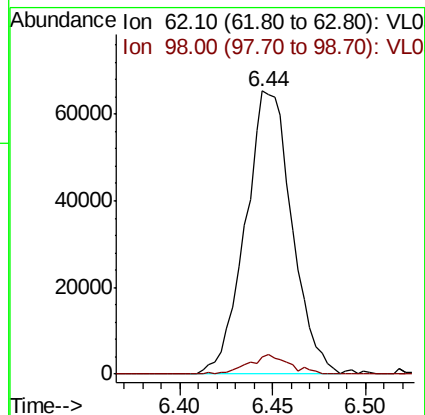
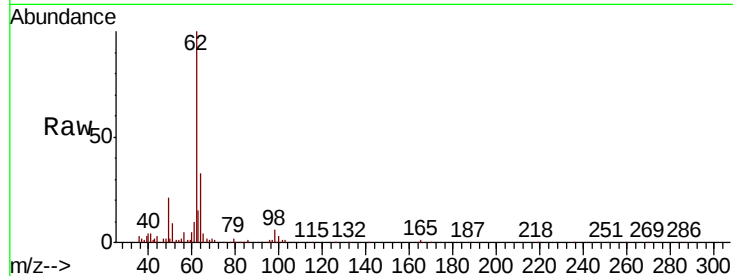
Tgt Ion: 62 Resp: 114006
Ion Ratio Lower Upper

62 100

98 6.1 5.0 7.6

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#44

2,2,4-Trimethylpentane

Concen: 0.129 ppbv m

RT: 8.03 min Scan# 1583

Delta R.T. -0.02 min

Lab File: VL032569.D

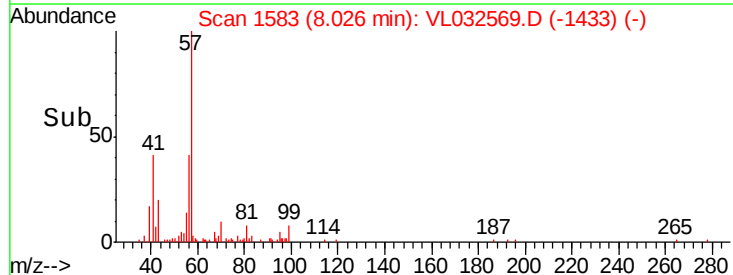
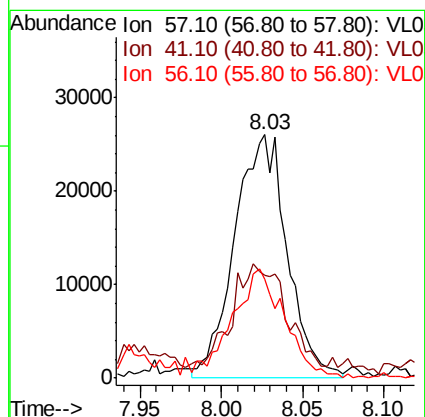
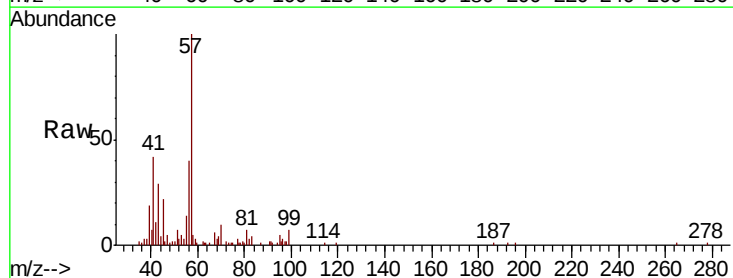
Acq: 28 Sep 2018 4:04

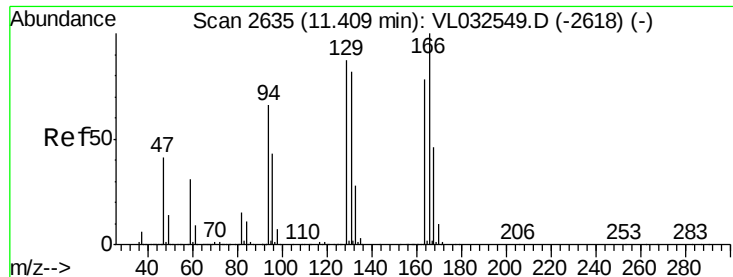
Tgt Ion: 57 Resp: 58561
Ion Ratio Lower Upper

57 100

41 52.4 24.4 36.6#

56 44.2 25.7 38.5#





#52

Tetrachloroethene

Concen: 0.250 ppbv m

RT: 11.41 min Scan# 2636

Delta R.T. -0.02 min

Lab File: VL032569.D

Acq: 28 Sep 2018 4:04

Instrument :

MSVOA_L

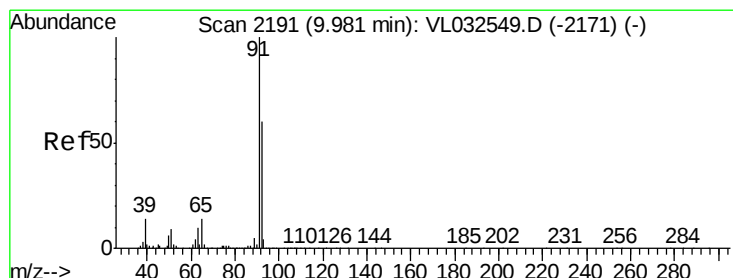
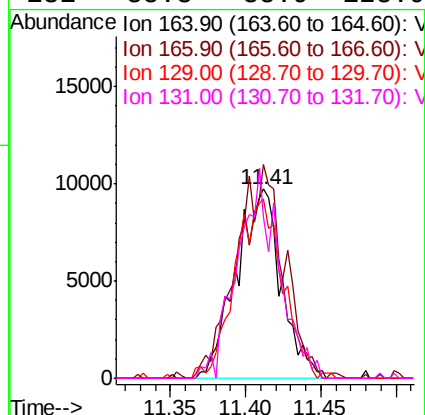
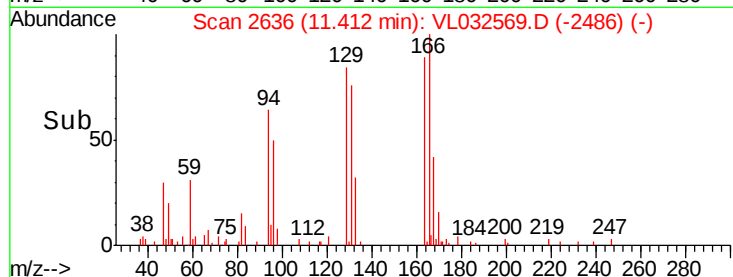
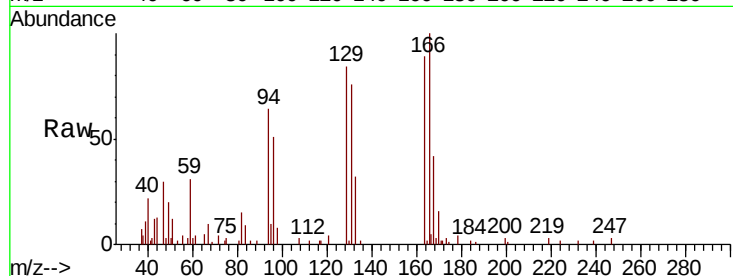
ClientSampleId :

FIA-1

Tgt Ion:	164	Resp:	20234
Ion Ratio	Lower	Upper	
164	100		
166	112.8	100.6	150.8
129	94.8	89.9	134.9
131	85.3	85.9	128.9#

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#53

Toluene

Concen: 7.602 ppbv

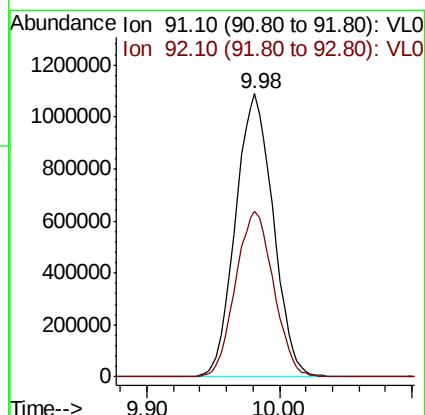
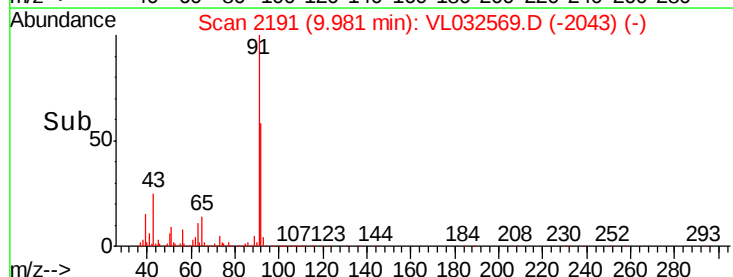
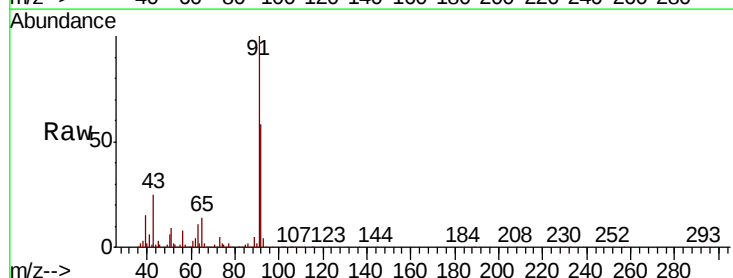
RT: 9.98 min Scan# 2191

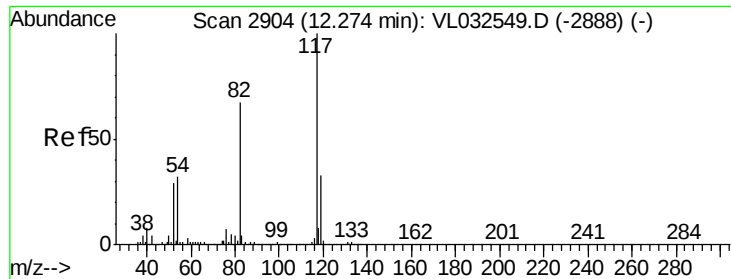
Delta R.T. -0.02 min

Lab File: VL032569.D

Acq: 28 Sep 2018 4:04

Tgt Ion:	91	Resp:	2150470
Ion Ratio	Lower	Upper	
91	100		
92	59.1	48.1	72.1





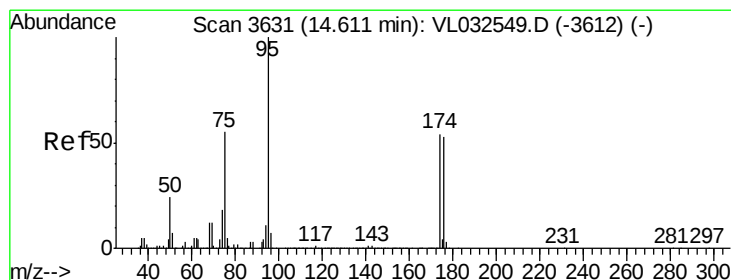
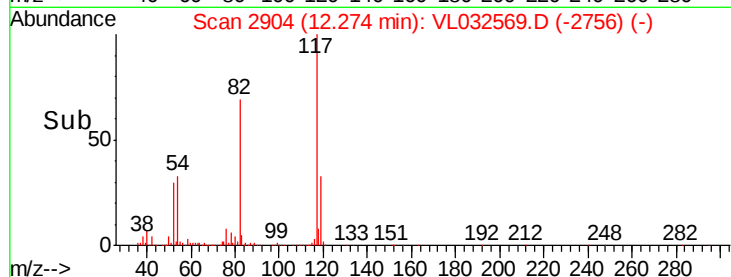
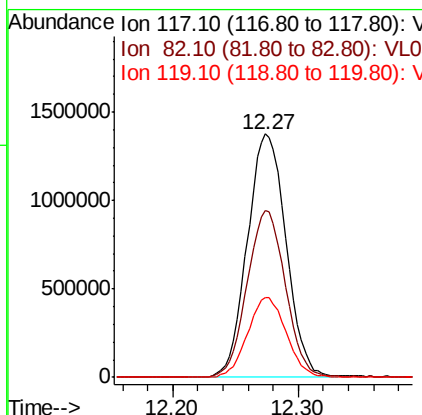
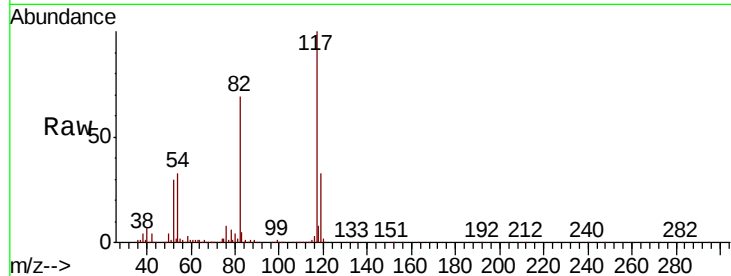
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.02 min
Lab File: VL032569.D
Acq: 28 Sep 2018 4:04

Instrument :
MSVOA_L
ClientSampled :
FIA-1

Tgt Ion: 117 Resp: 2959316
Ion Ratio Lower Upper
117 100
82 68.7 53.0 79.6
119 32.8 45.9 68.9#

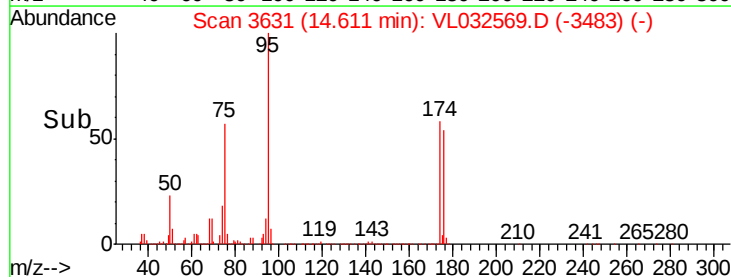
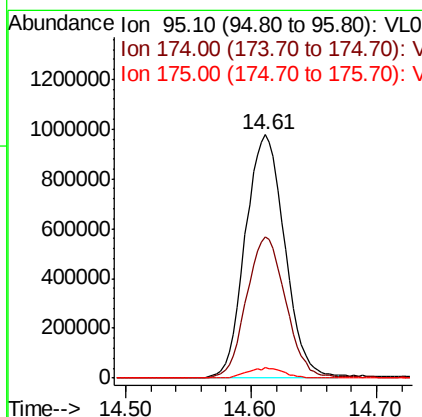
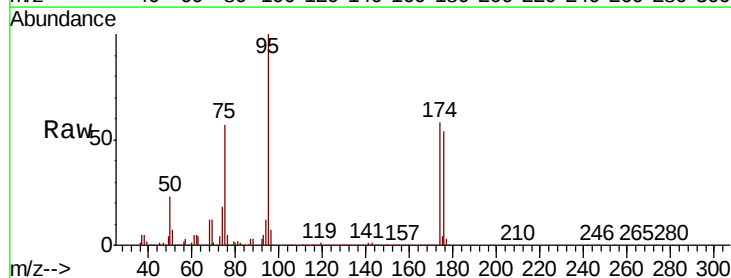
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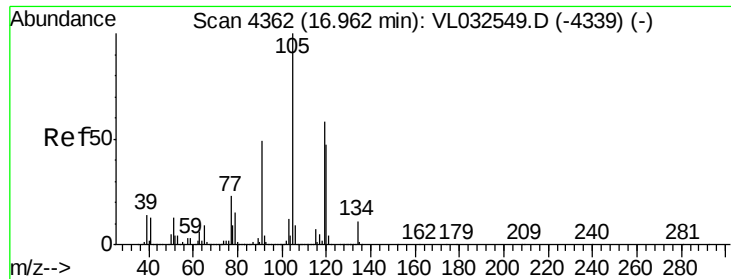
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.566 ppbv
RT: 14.61 min Scan# 3631
Delta R.T. -0.02 min
Lab File: VL032569.D
Acq: 28 Sep 2018 4:04

Tgt Ion: 95 Resp: 2134809
Ion Ratio Lower Upper
95 100
174 58.6 46.3 69.5
175 4.1 3.4 5.0





#74
 1,2,4-Trimethylbenzene
 Concen: 0.284 ppbv
 RT: 16.96 min Scan# 4362
 Delta R.T. -0.02 min
 Lab File: VL032569.D
 Acq: 28 Sep 2018 4:04

Instrument :
 MSVOA_L
 ClientSampleId :
 FIA-1

Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
120	38.2	37.8	56.8
91	11.7	41.4	62.0#
77	15.2	18.6	28.0#

Manual Integrations
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