

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\
 Data File : VL033286.D
 Acq On : 12 Mar 2019 17:00
 Operator : SY/AP
 Sample : K1805-02
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ST-IA-1

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 5:06:07 AM

Quant Time: Mar 13 17:47:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 14 07:17:55 2019
 QLast Update : Wed Mar 13 07:17:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	798393	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1816337	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1806956	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1428076	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	36334	0.225	ppbv	93
3) Chlorodifluoromethane	3.02	51	30377m	0.287	ppbv	
4) Chloromethane	3.17	50	24783	0.438	ppbv	99
9) Propene	3.05	41	22862m	0.474	ppbv	
11) Trichlorofluoromethane	4.00	101	32038	0.201	ppbv	99
13) Ethanol	3.65	45	61750	4.192	ppbv	97
15) Acetone	3.90	43	349028m	2.850	ppbv	
19) Isopropyl Alcohol	4.04	45	23729m	0.321	ppbv	
20) Methylene Chloride	4.41	84	52699	1.294	ppbv	91
26) Hexane	5.78	57	81740	0.923	ppbv #	41
34) 2-Butanone	5.34	43	25280	0.210	ppbv	95
36) Benzene	7.00	78	46700	0.279	ppbv	97
44) 2,2,4-Trimethylpentane	7.99	57	31445m	0.111	ppbv	
52) Tetrachloroethene	11.37	164	26302	0.428	ppbv	89
53) Toluene	9.94	91	198288	1.027	ppbv	100

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

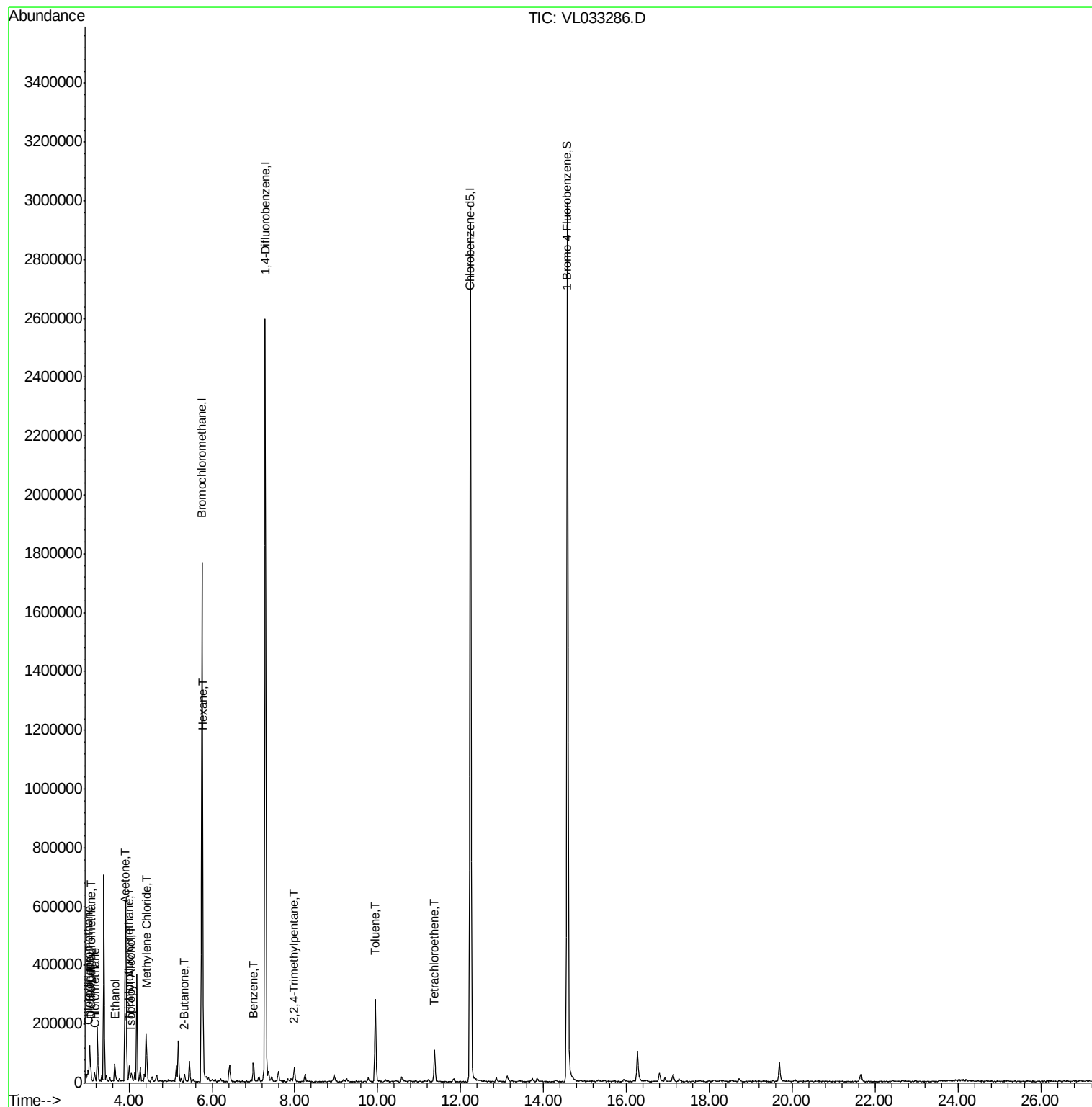
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL031219\
Data File : VL033286.D
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Operator : SY/AP
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Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

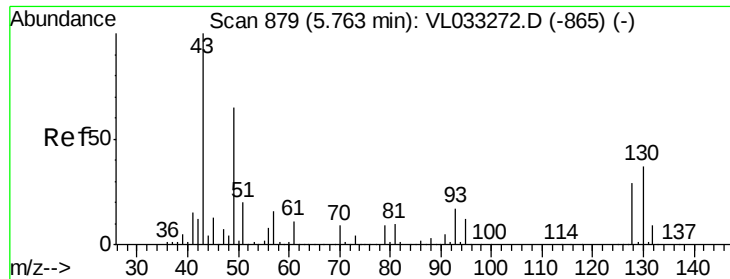
Instrument :
MSVOA_L
ClientSampleId :
ST-IA-1

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Quant Time: Mar 13 17:47:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar
QLast Update : Wed Mar 13 07:17:55 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033286.D

Acq: 12 Mar 2019 17:00

Instrument :

MSVOA_L

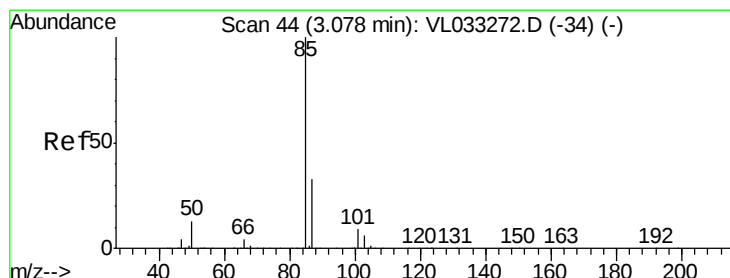
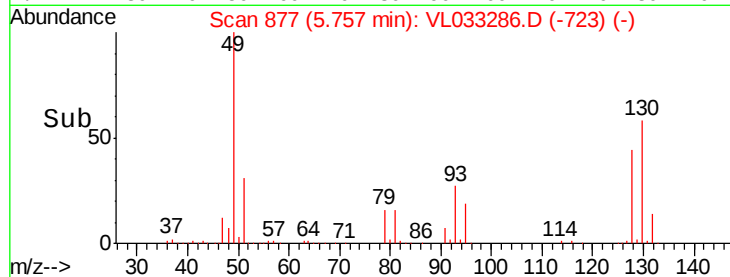
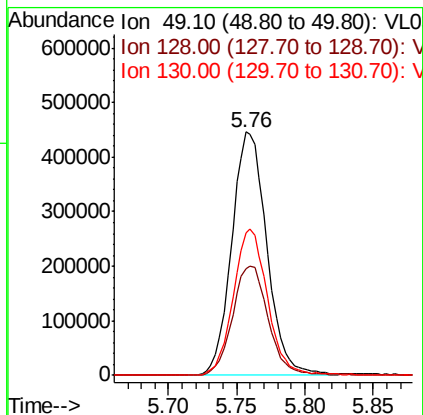
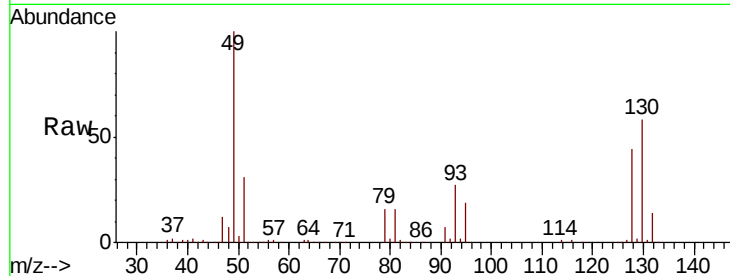
ClientSampled :

ST-IA-1

Tgt Ion:	49	Resp:	798393
Ion Ratio	Lower	Upper	
49	100		
128	45.9	23.3	69.9
130	58.9	30.0	90.1

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#2

Dichlorodifluoromethane

Concen: 0.225 ppbv

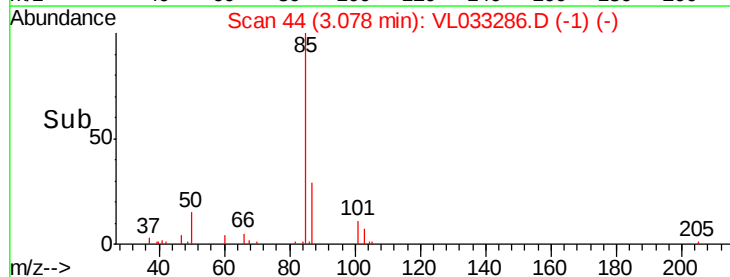
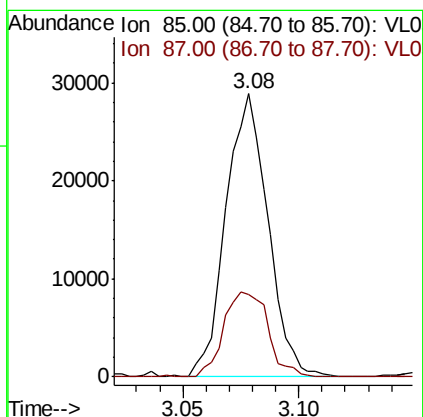
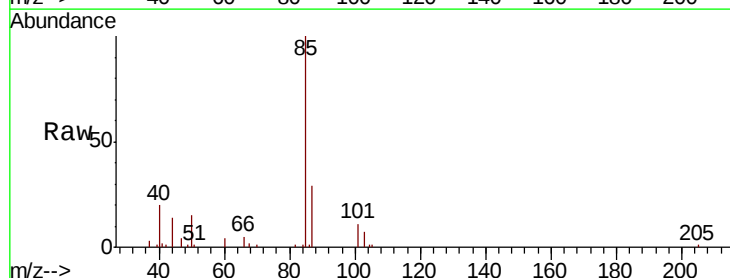
RT: 3.08 min Scan# 44

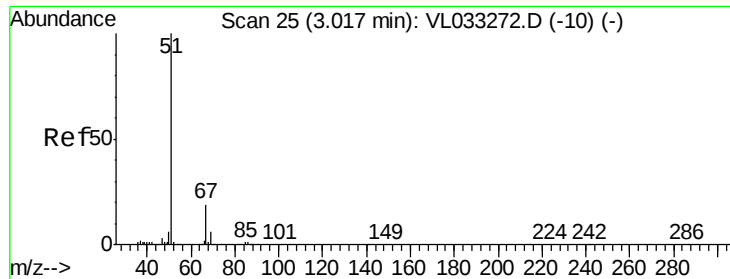
Delta R.T. 0.00 min

Lab File: VL033286.D

Acq: 12 Mar 2019 17:00

Tgt Ion:	85	Resp:	36334
Ion Ratio	Lower	Upper	
85	100		
87	29.3	26.4	39.6





#3

Chlorodifluoromethane

Concen: 0.287 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL033286.D

Acq: 12 Mar 2019 17:00

Instrument :

MSVOA_L

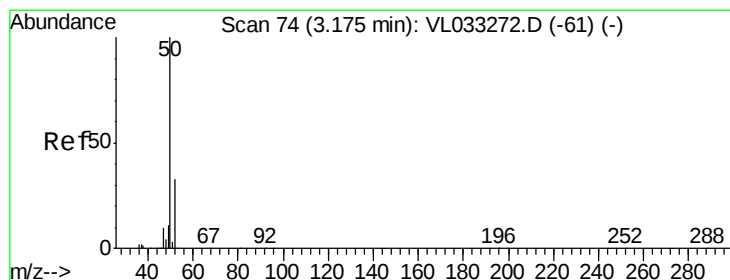
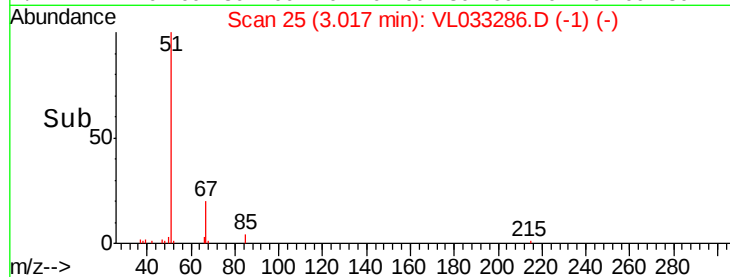
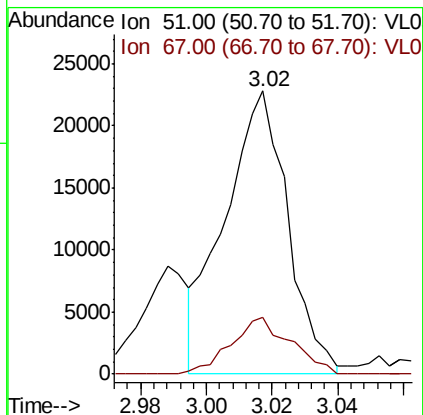
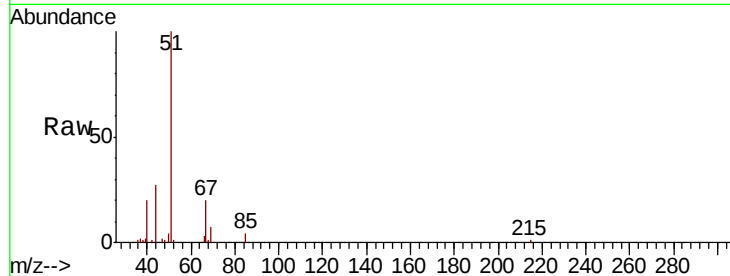
ClientSampleId :

ST-IA-1

Tgt Ion	Ratio	Lower	Upper
51	100		
67	19.1	15.0	22.4

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#4

Chloromethane

Concen: 0.438 ppbv

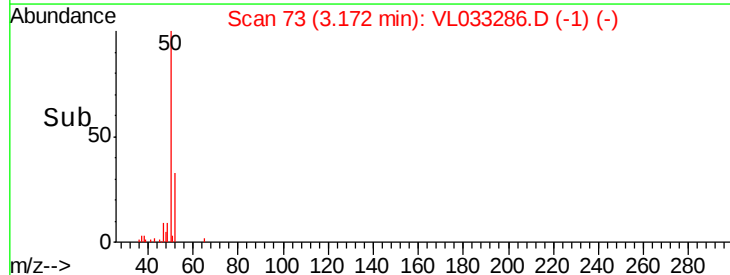
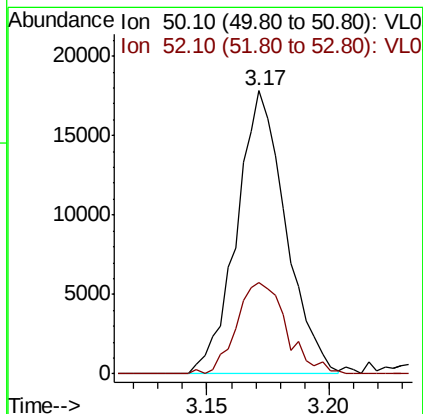
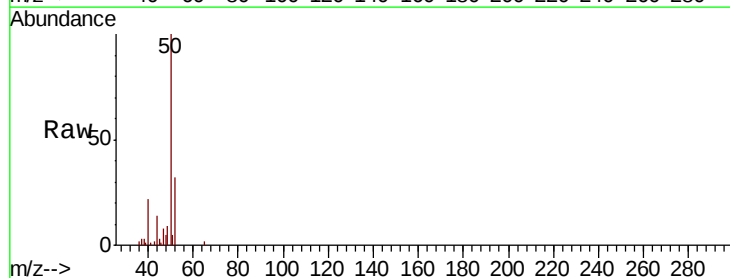
RT: 3.17 min Scan# 73

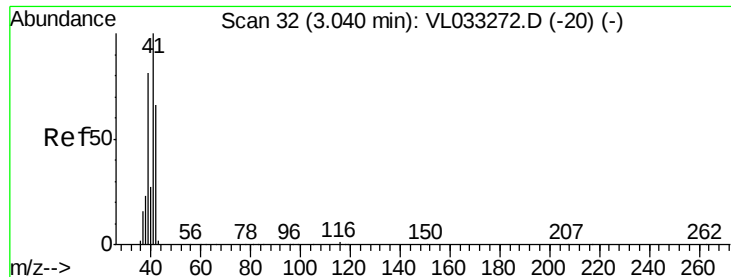
Delta R.T. -0.00 min

Lab File: VL033286.D

Acq: 12 Mar 2019 17:00

Tgt Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.6	39.8





#9

Propene

Concen: 0.474 ppbv m

RT: 3.05 min Scan# 35

Delta R.T. 0.01 min

Lab File: VL033286.D

Acq: 12 Mar 2019 17:00

Instrument :

MSVOA_L

ClientSampleId :

ST-IA-1

Tgt Ion: 41 Resp: 22862

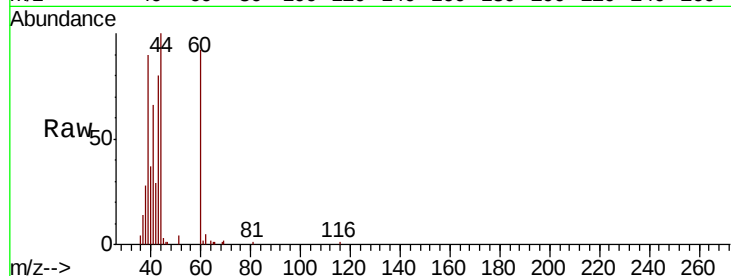
Ion Ratio Lower Upper

41 100

42 128.3 54.6 82.0#

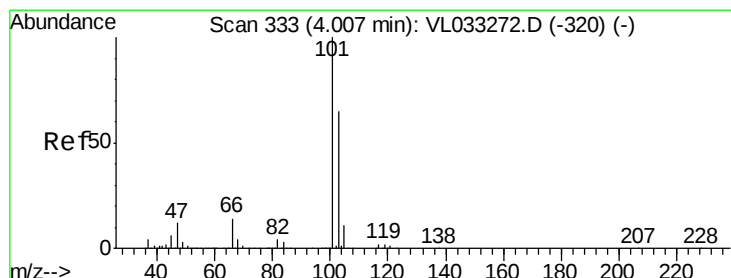
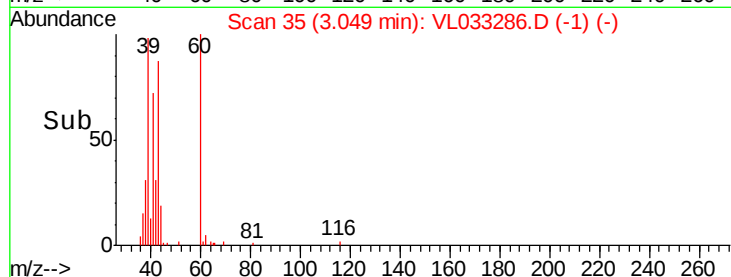
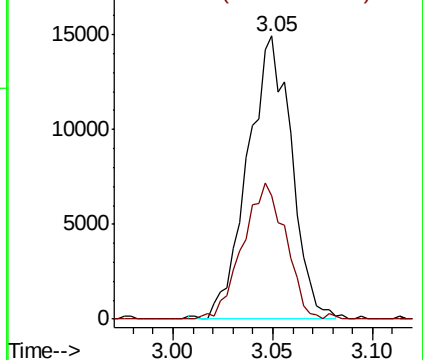
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#11

Trichlorofluoromethane

Concen: 0.201 ppbv

RT: 4.00 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL033286.D

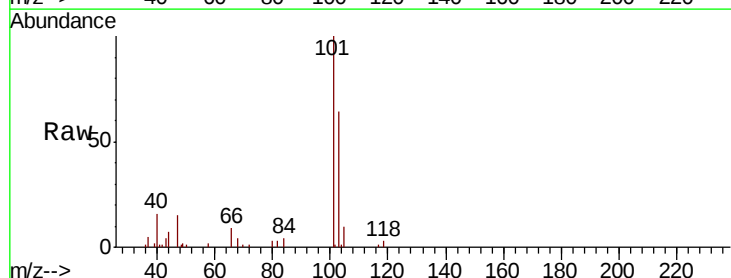
Acq: 12 Mar 2019 17:00

Tgt Ion: 101 Resp: 32038

Ion Ratio Lower Upper

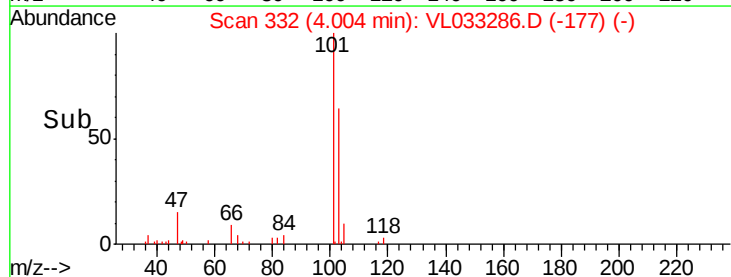
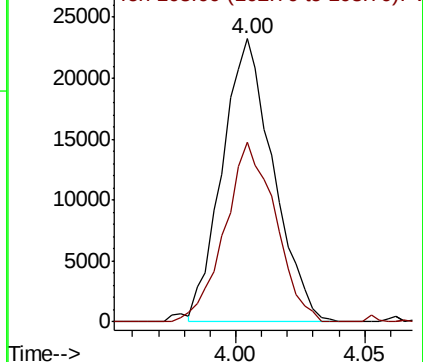
101 100

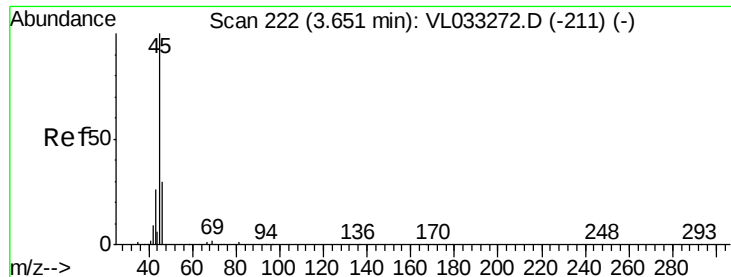
103 63.7 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





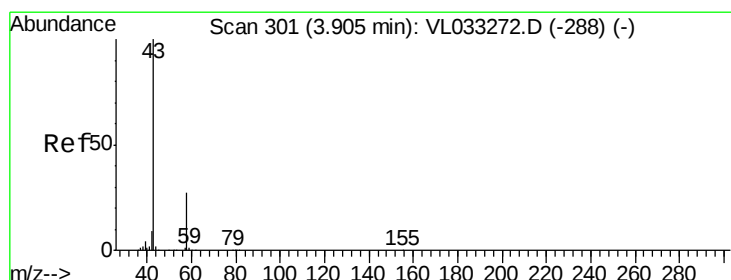
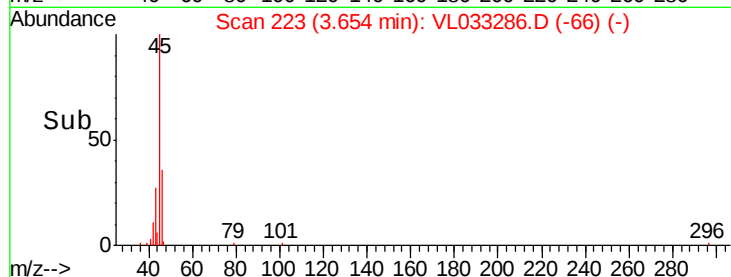
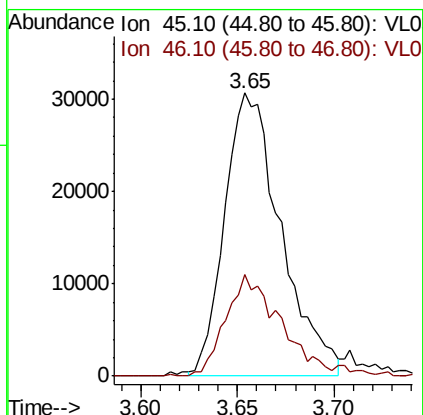
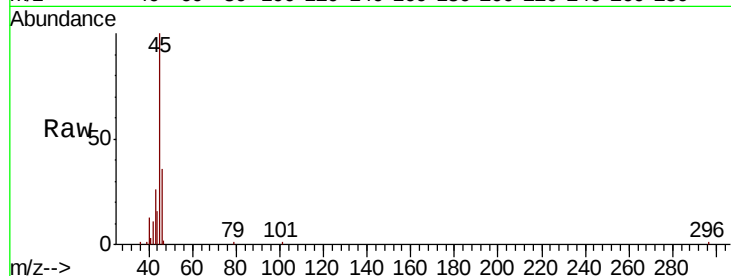
#13
Ethanol
Concen: 4.192 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033286.D
Acq: 12 Mar 2019 17:00

Instrument :
MSVOA_L
ClientSampleId :
ST-IA-1

Tgt Ion: 45 Resp: 61750
Ion Ratio Lower Upper
45 100
46 36.3 13.9 55.7

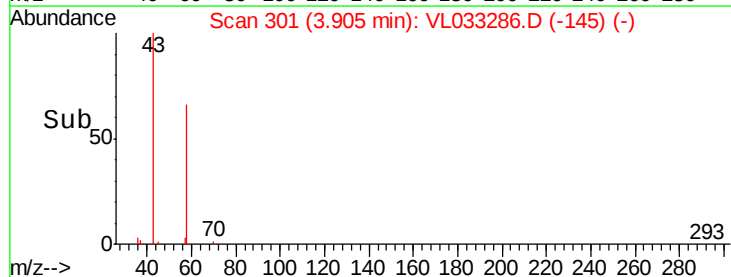
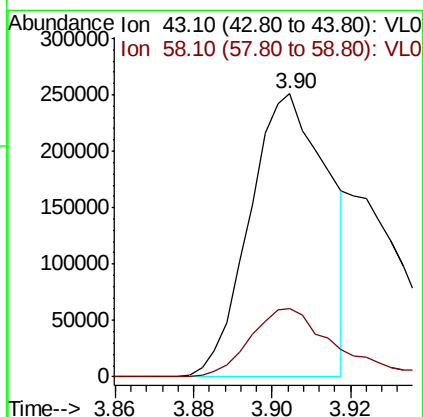
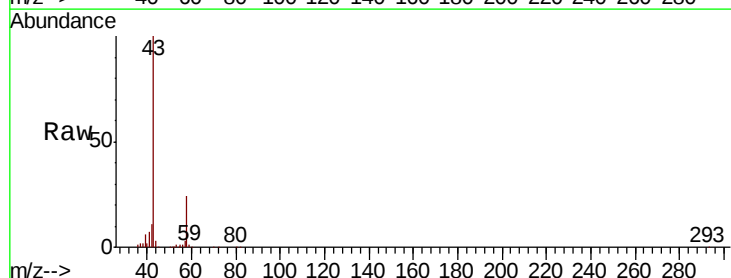
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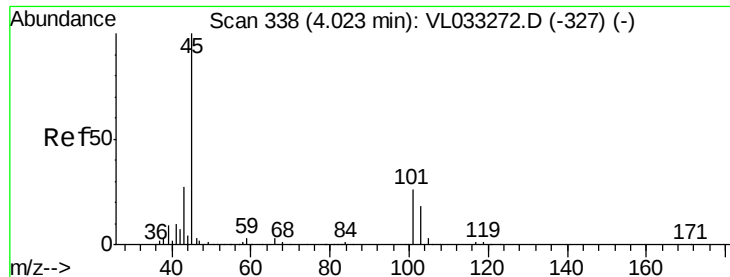
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#15
Acetone
Concen: 2.850 ppbv m
RT: 3.90 min Scan# 301
Delta R.T. 0.00 min
Lab File: VL033286.D
Acq: 12 Mar 2019 17:00

Tgt Ion: 43 Resp: 349028
Ion Ratio Lower Upper
43 100
58 26.7 21.1 31.7





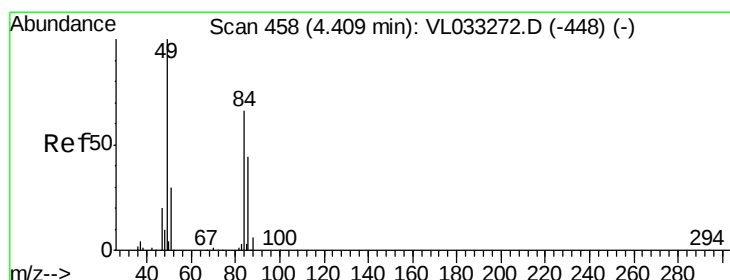
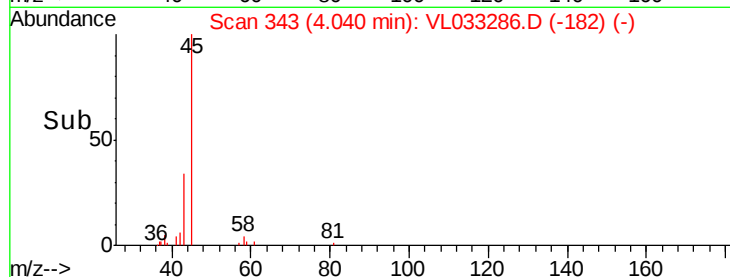
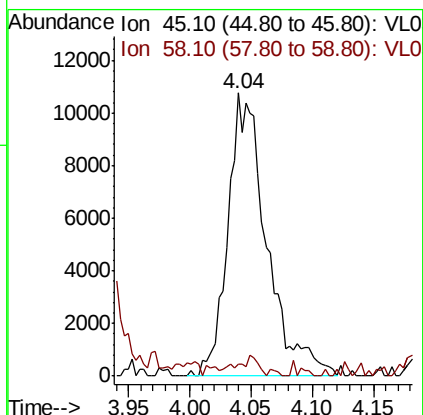
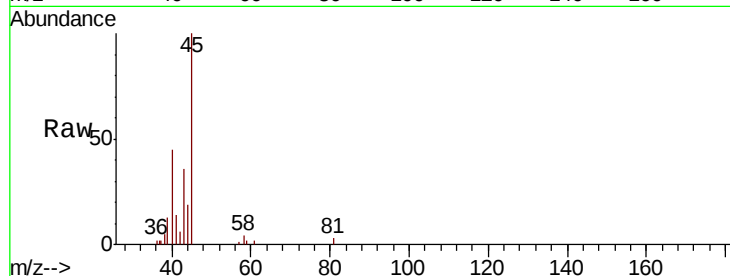
#19
Isopropyl Alcohol
Concen: 0.321 ppbv m
RT: 4.04 min Scan# 343
Delta R.T. 0.02 min
Lab File: VL033286.D
Acq: 12 Mar 2019 17:00

Instrument :
MSVOA_L
ClientSampleId :
ST-IA-1

Tgt Ion: 45 Resp: 23729
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2#

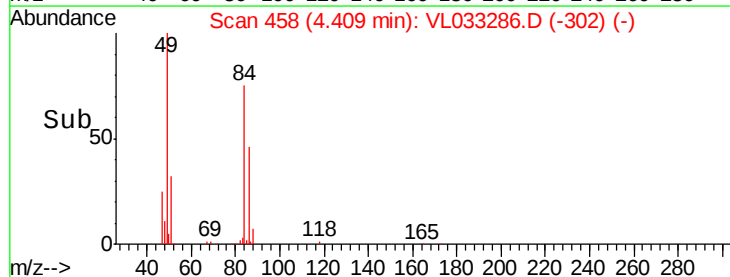
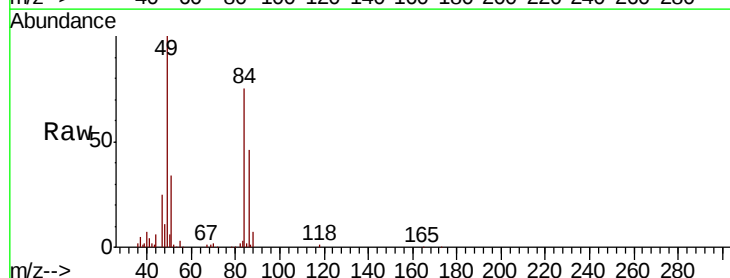
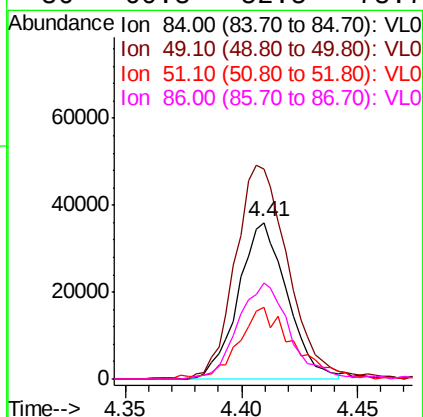
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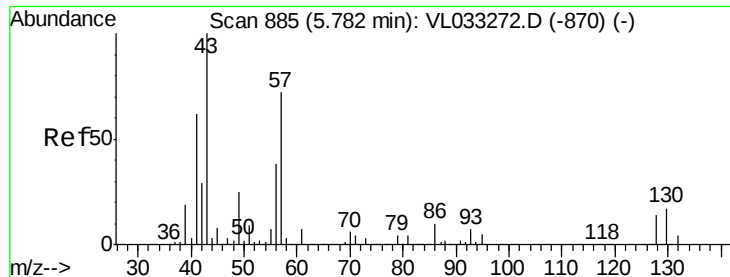
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#20
Methylene Chloride
Concen: 1.294 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033286.D
Acq: 12 Mar 2019 17:00

Tgt Ion: 84 Resp: 52699
Ion Ratio Lower Upper
84 100
49 134.1 120.3 180.5
51 43.5 36.2 54.4
86 60.8 52.5 78.7





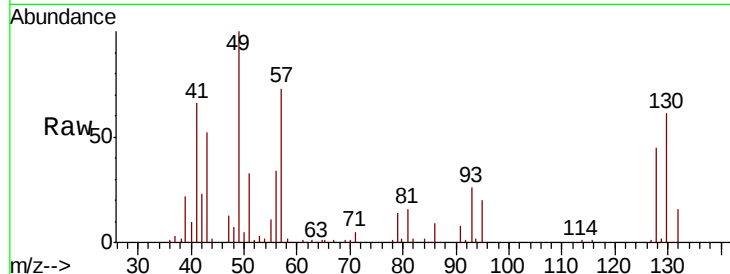
#26
Hexane
Concen: 0.923 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033286.D
Acq: 12 Mar 2019 17:00

Instrument :
MSVOA_L
ClientSampleId :
ST-IA-1

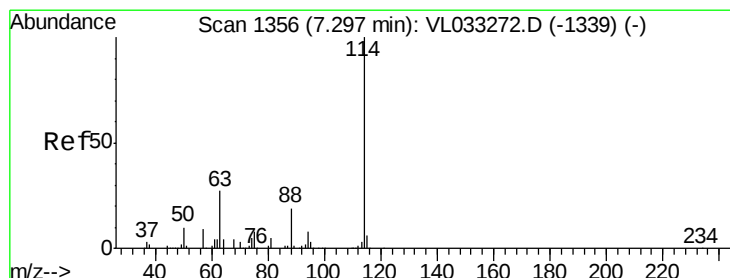
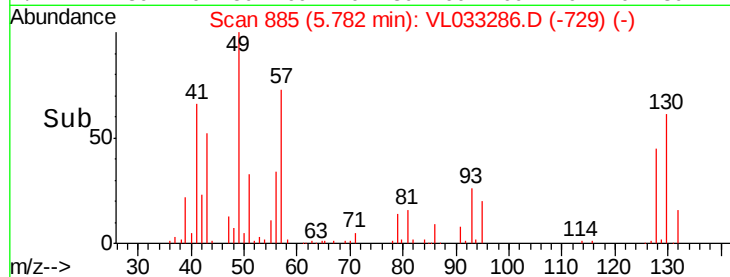
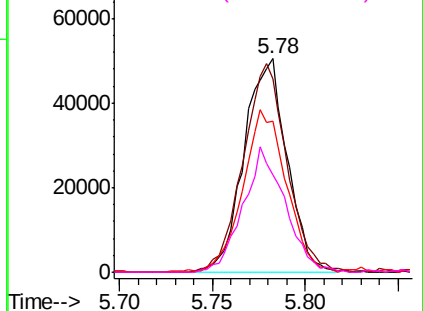
Tgt Ion: 57 Resp: 81740
Ion Ratio Lower Upper
57 100
41 100.0 70.7 106.1
43 78.2 178.6 267.8#
56 56.9 41.3 61.9

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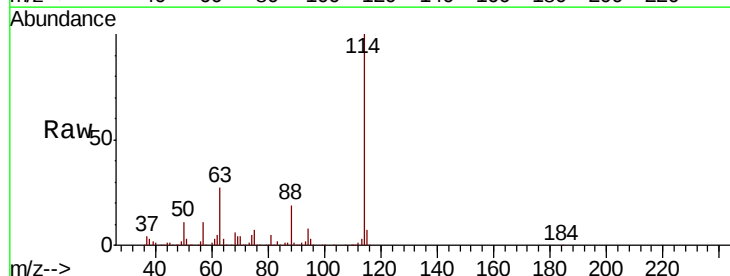


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

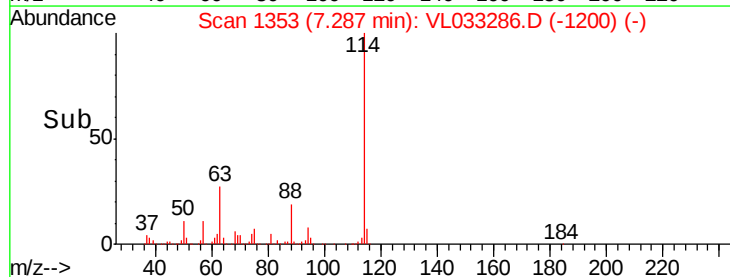
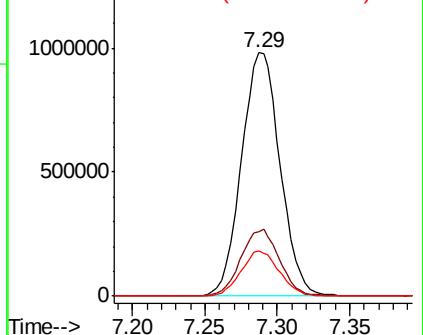


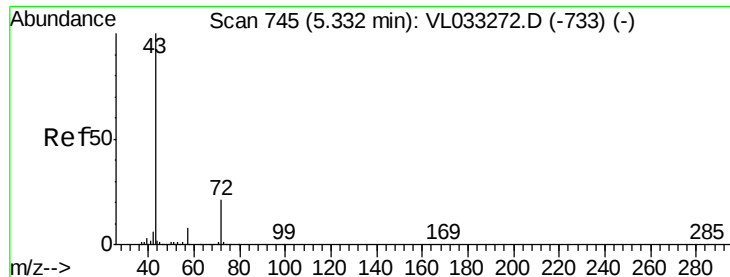
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033286.D
Acq: 12 Mar 2019 17:00

Tgt Ion: 114 Resp: 1816337
Ion Ratio Lower Upper
114 100
63 27.6 21.5 32.3
88 18.4 14.6 22.0



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





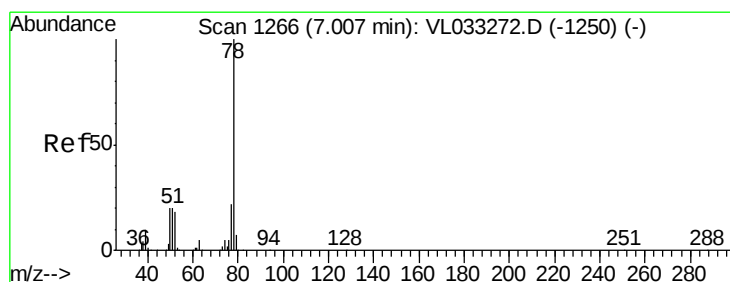
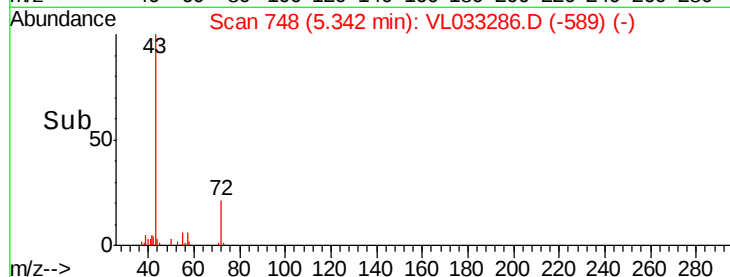
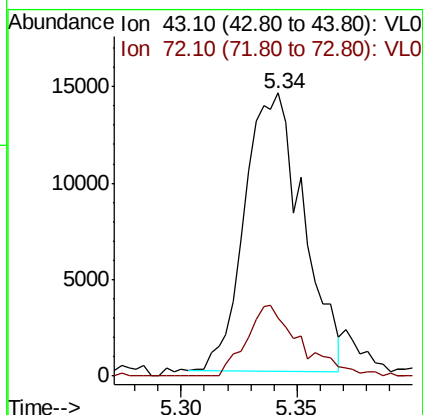
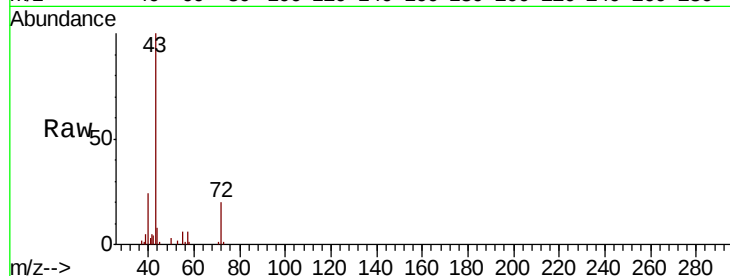
#34
2-Butanone
Concen: 0.210 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.01 min
Lab File: VL033286.D
Acq: 12 Mar 2019 17:00

Instrument :
MSVOA_L
ClientSampleId :
ST-IA-1

Tgt Ion: 43 Resp: 25280
Ion Ratio Lower Upper
43 100
72 23.7 17.0 25.6

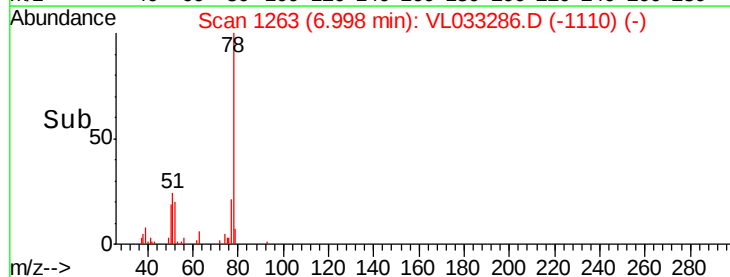
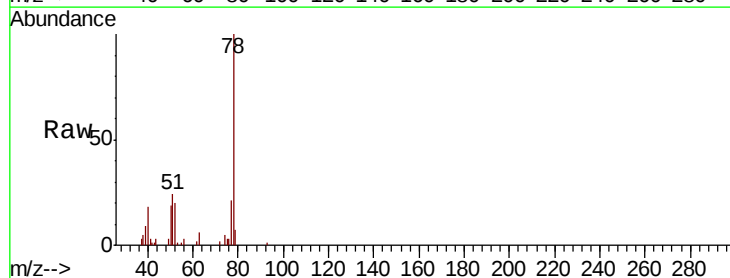
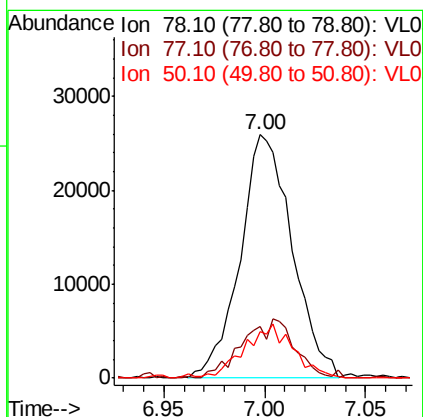
Manual Integrations
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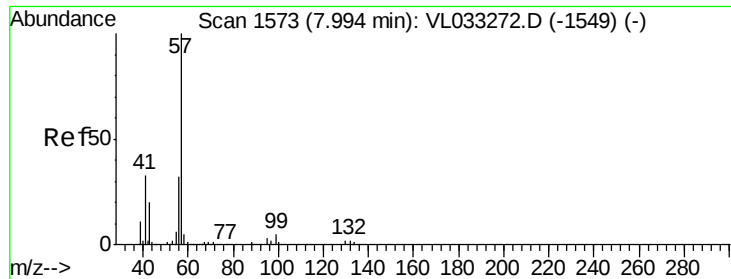
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#36
Benzene
Concen: 0.279 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033286.D
Acq: 12 Mar 2019 17:00

Tgt Ion: 78 Resp: 46700
Ion Ratio Lower Upper
78 100
77 20.5 17.7 26.5
50 18.4 15.7 23.5





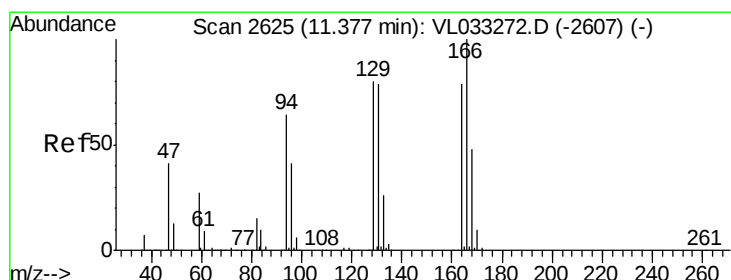
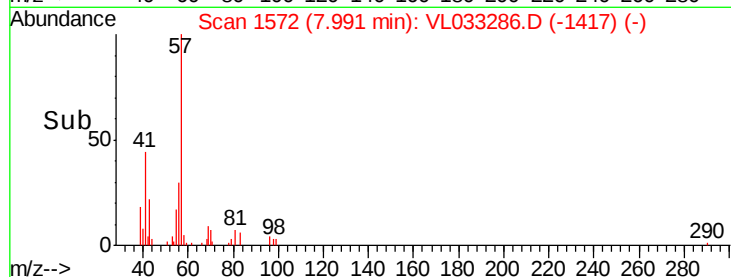
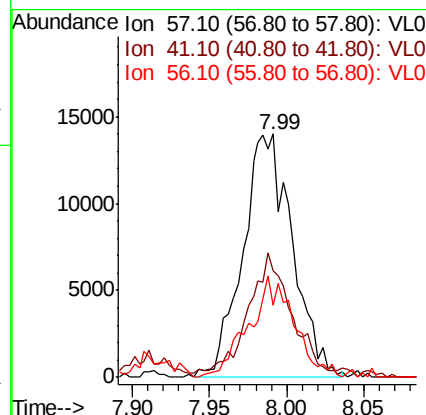
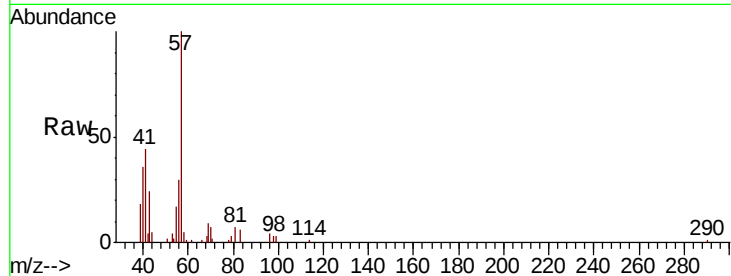
#44
 2,2,4-Trimethylpentane
 Concen: 0.111 ppbv m
 RT: 7.99 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL033286.D
 Acq: 12 Mar 2019 17:00

Instrument :
 MSVOA_L
 ClientSampleId :
 ST-IA-1

Tgt Ion	Ratio	Lower	Upper
57	100		
41	47.7	26.2	39.2#
56	38.3	24.8	37.2#

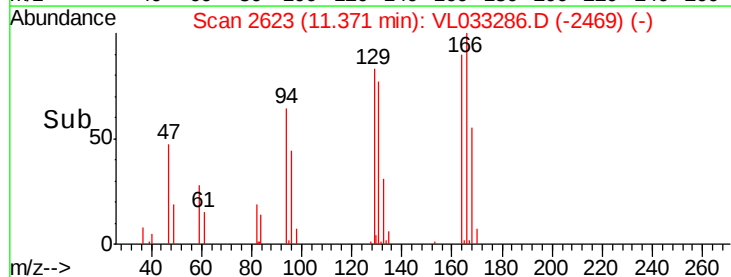
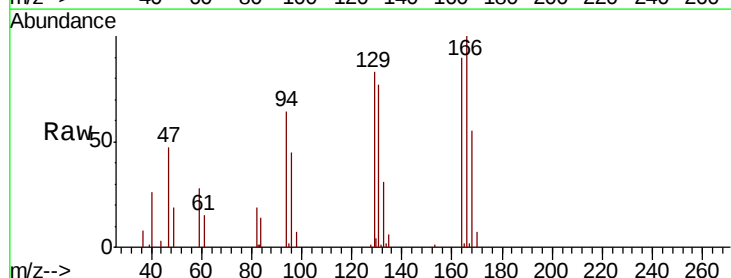
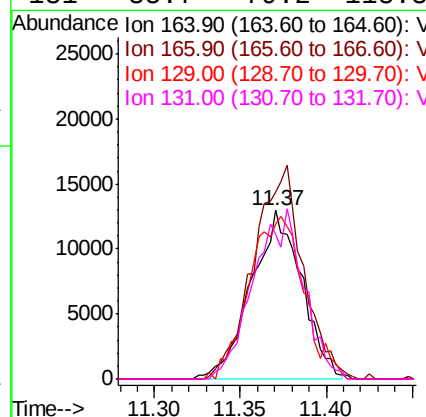
Manual Integrations
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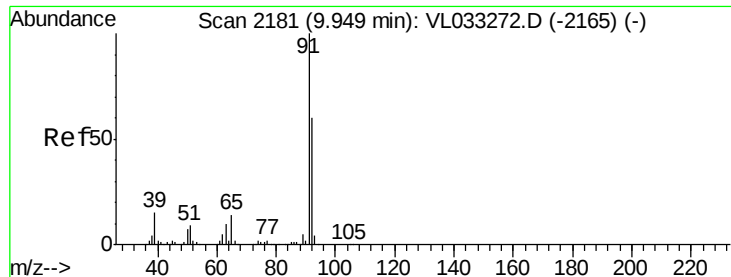
MMDadoda
 3/14/2019 5:06:07 AM



#52
 Tetrachloroethene
 Concen: 0.428 ppbv
 RT: 11.37 min Scan# 2623
 Delta R.T. -0.01 min
 Lab File: VL033286.D
 Acq: 12 Mar 2019 17:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	110.9	100.8	151.2
129	96.2	80.6	121.0
131	85.7	79.2	118.8





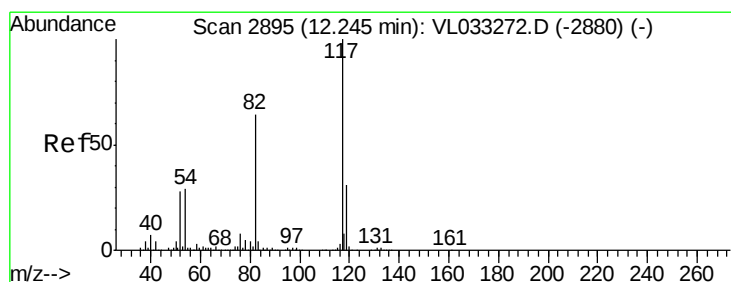
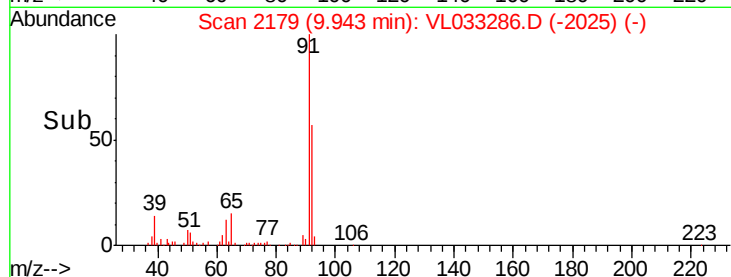
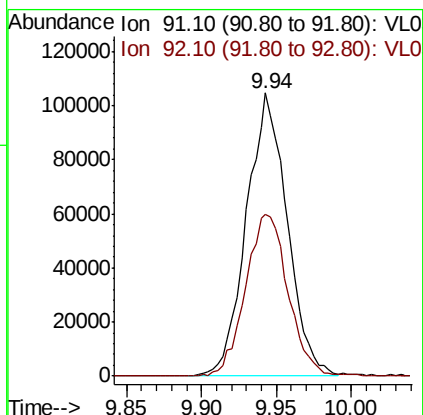
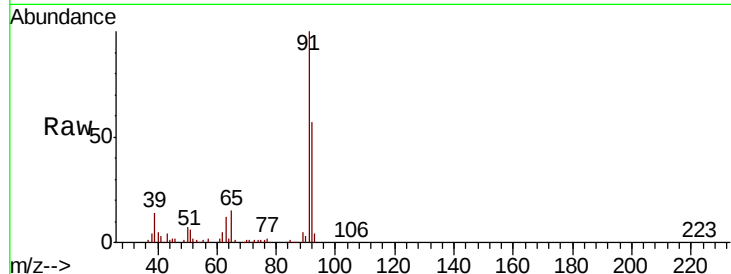
#53
Toluene
Concen: 1.027 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.01 min
Lab File: VL033286.D
Acq: 12 Mar 2019 17:00

Instrument :
MSVOA_L
ClientSampleId :
ST-IA-1

Tgt Ion: 91 Resp: 198288
Ion Ratio Lower Upper
91 100
92 59.6 47.8 71.8

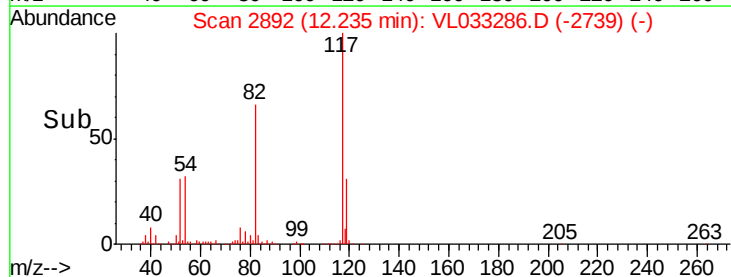
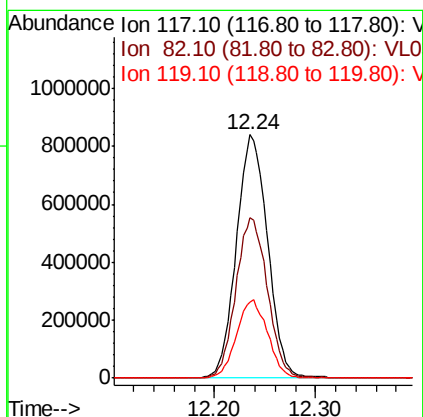
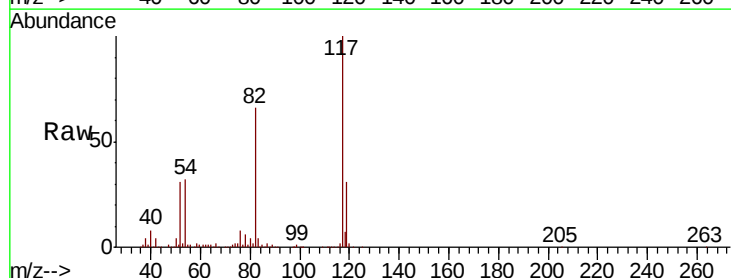
Manual Integrations
APPROVED

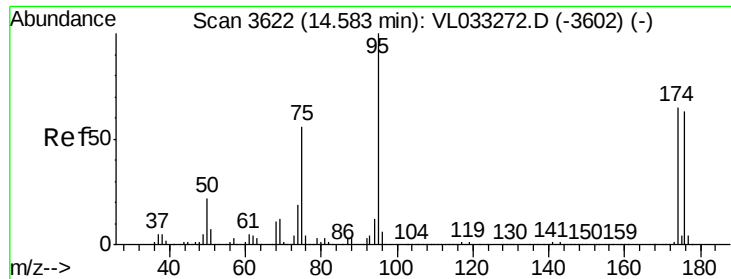
MMDadoda
3/14/2019 5:06:07 AM



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033286.D
Acq: 12 Mar 2019 17:00

Tgt Ion: 117 Resp: 1806956
Ion Ratio Lower Upper
117 100
82 66.9 51.1 76.7
119 32.2 43.6 65.4#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.234 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. -0.01 min
 Lab File: VL033286.D
 Acq: 12 Mar 2019 17:00

Instrument :
 MSVOA_L
 ClientSampleId :
 ST-IA-1

Tgt Ion: 95 Resp: 1428076
 Ion Ratio Lower Upper
 95 100
 174 64.3 51.7 77.5
 175 4.5 3.7 5.5

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 5:06:07 AM

