

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\
 Data File : VL033287.D
 Acq On : 12 Mar 2019 17:41
 Operator : SY/AP
 Sample : K1805-02DUP
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ST-IA-1DUP

Manual Integrations
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 3/14/2019 5:06:09 AM

Quant Time: Mar 13 17:48:48 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	776651	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1787591	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1740847	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1406594	10.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	34423	0.219	ppbv #	85
3) Chlorodifluoromethane	3.01	51	28030m	0.272	ppbv	
4) Chloromethane	3.17	50	25877	0.470	ppbv	97
9) Propene	3.05	41	21883m	0.466	ppbv	
11) Trichlorofluoromethane	4.00	101	31932	0.206	ppbv	99
13) Ethanol	3.65	45	62915	4.391	ppbv	97
15) Acetone	3.90	43	379400m	3.185	ppbv	
19) Isopropyl Alcohol	4.05	45	23991m	0.333	ppbv	
20) Methylene Chloride	4.41	84	50198m	1.267	ppbv	
26) Hexane	5.78	57	85730	0.995	ppbv #	41
34) 2-Butanone	5.34	43	26195	0.222	ppbv	95
36) Benzene	7.00	78	48274	0.293	ppbv	95
44) 2,2,4-Trimethylpentane	7.98	57	32078m	0.115	ppbv	
52) Tetrachloroethene	11.37	164	25003m	0.414	ppbv	
53) Toluene	9.94	91	198214	1.043	ppbv	99

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

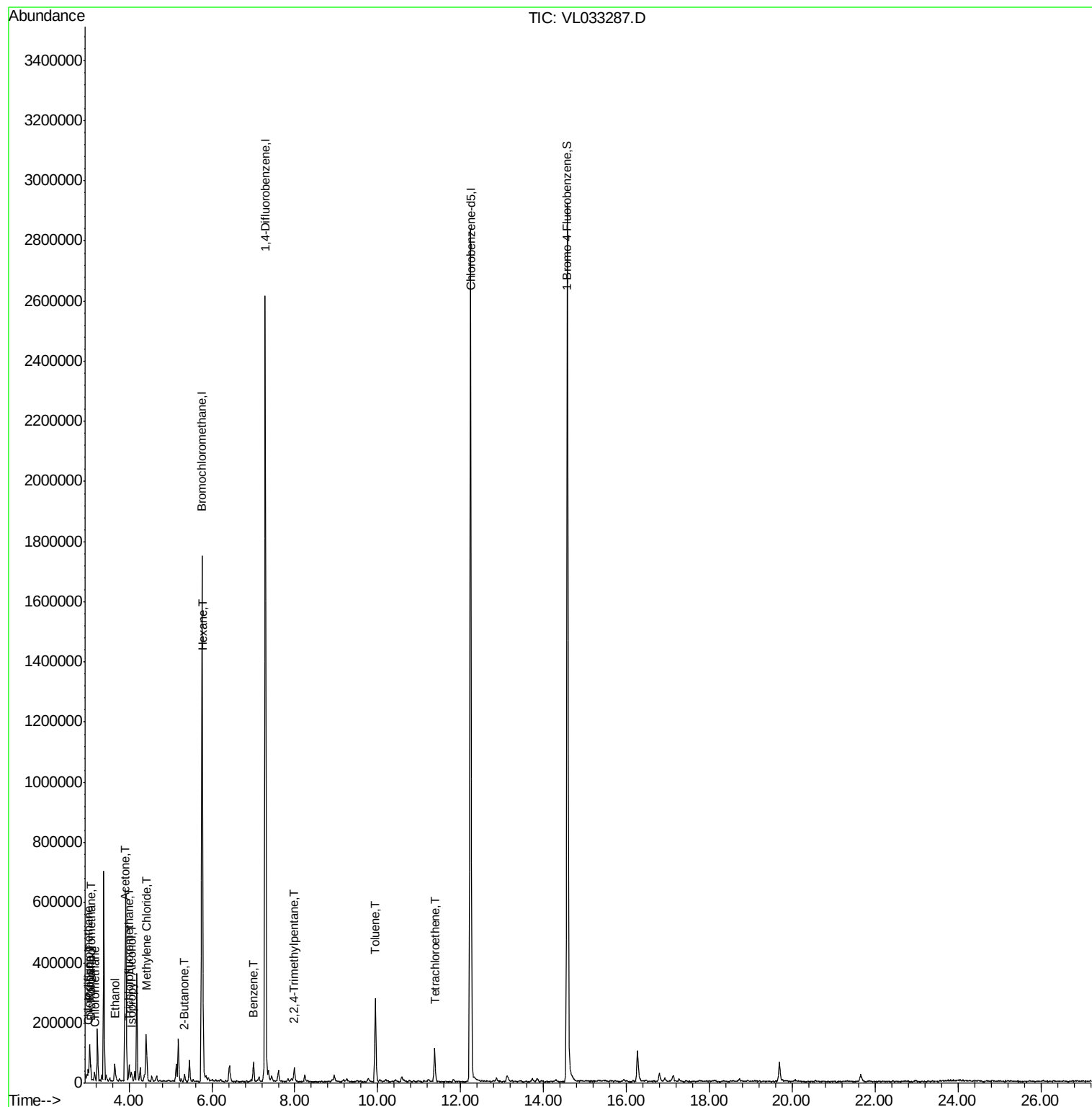
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL031219\
Data File : VL033287.D
Acq On : 12 Mar 2019 17:41
Operator : SY/AP
Sample : K1805-02DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

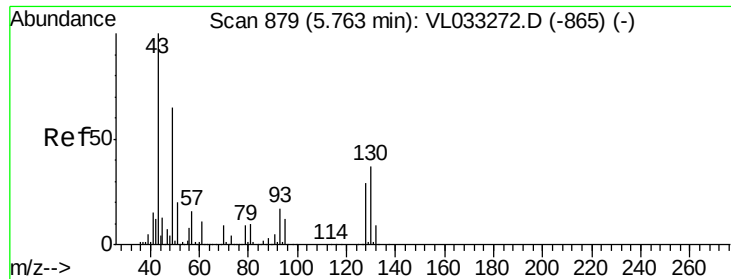
Instrument :
MSVOA_L
ClientSampleId :
ST-IA-1DUP

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3/14/2019 5:06:09 AM

Quant Time: Mar 13 17:48:48 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# 878

Delta R.T. -0.00 min

Lab File: VL033287.D

Acq: 12 Mar 2019 17:41

Instrument :

MSVOA_L

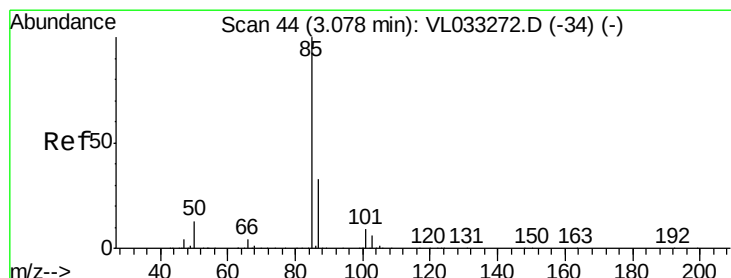
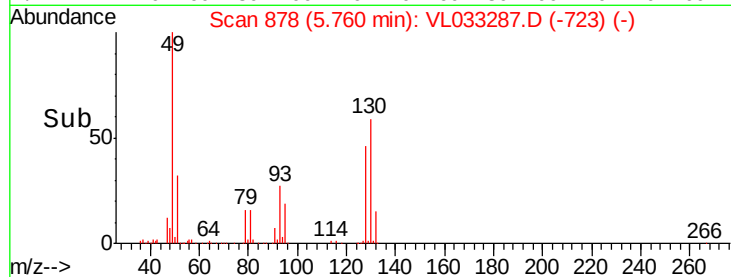
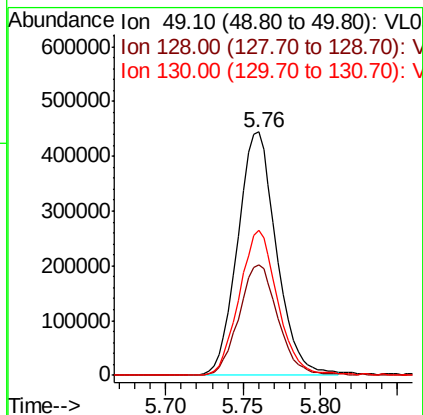
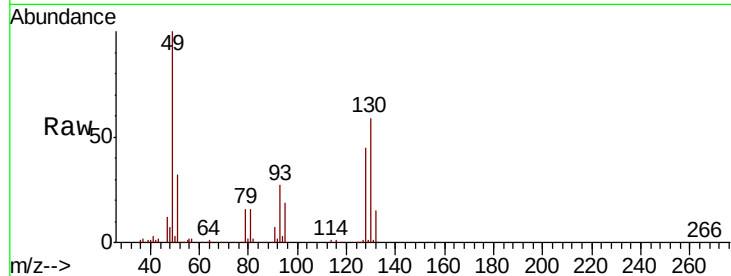
ClientSampleId :

ST-IA-1DUP

Tgt Ion:	49	Resp:	776651
Ion	Ratio	Lower	Upper
49	100		
128	46.2	23.3	69.9
130	59.4	30.0	90.1

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#2

Dichlorodifluoromethane

Concen: 0.219 ppbv

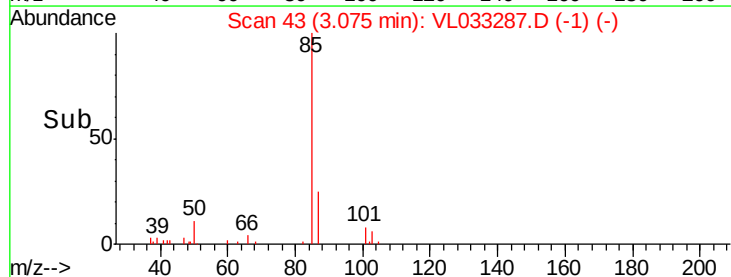
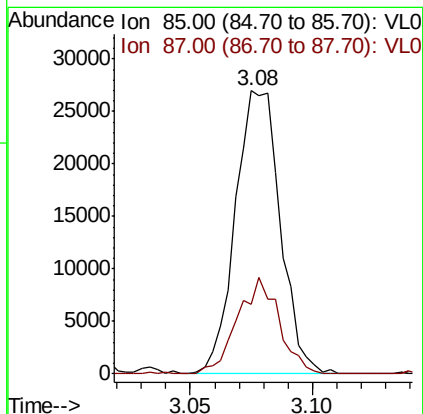
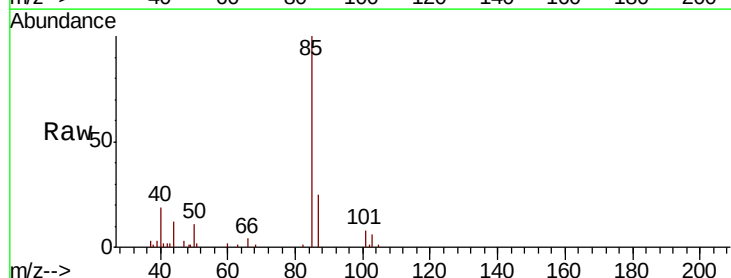
RT: 3.08 min Scan# 43

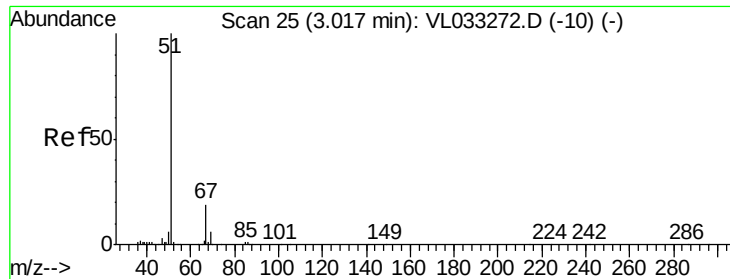
Delta R.T. -0.00 min

Lab File: VL033287.D

Acq: 12 Mar 2019 17:41

Tgt Ion:	85	Resp:	34423
Ion	Ratio	Lower	Upper
85	100		
87	24.6	26.4	39.6#





#3

Chlorodifluoromethane

Concen: 0.272 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033287.D

Acq: 12 Mar 2019 17:41

Instrument :

MSVOA_L

ClientSampleId :

ST-IA-1DUP

Tgt Ion: 51 Resp: 28030

Ion Ratio Lower Upper

51 100

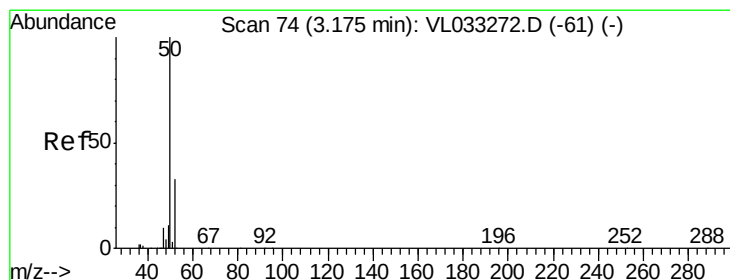
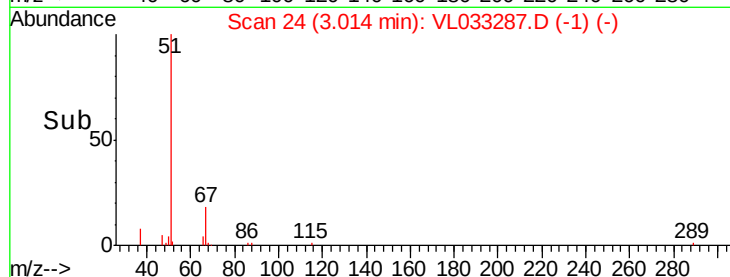
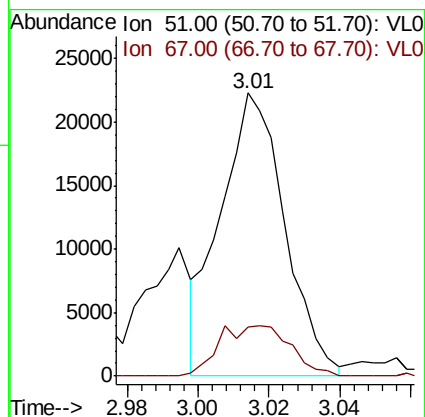
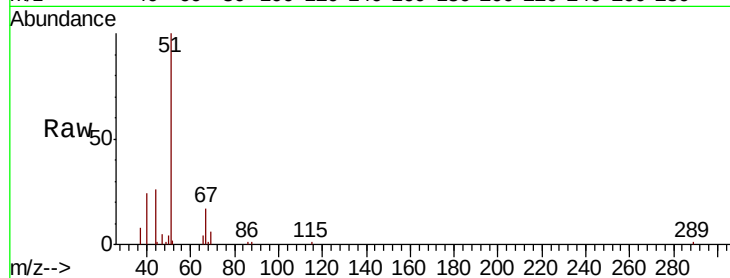
67 19.9 15.0 22.4

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#4

Chloromethane

Concen: 0.470 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL033287.D

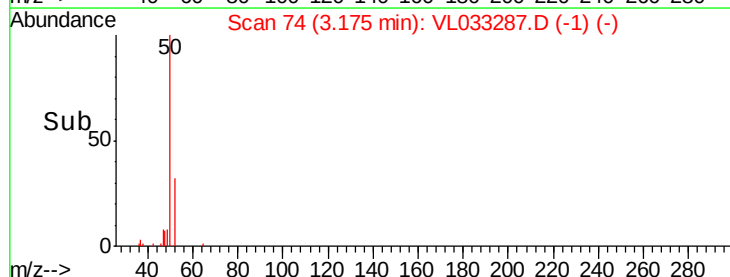
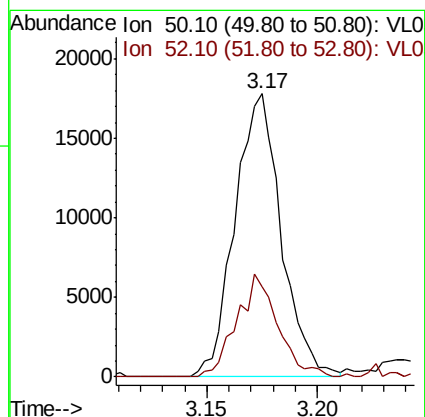
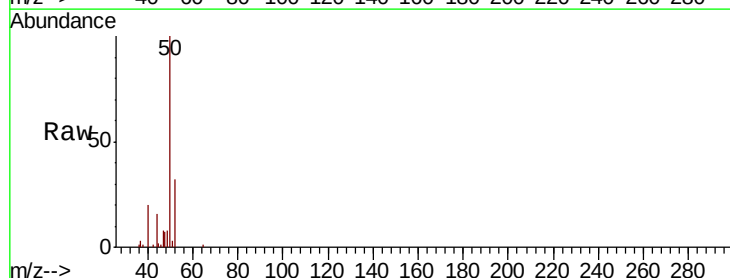
Acq: 12 Mar 2019 17:41

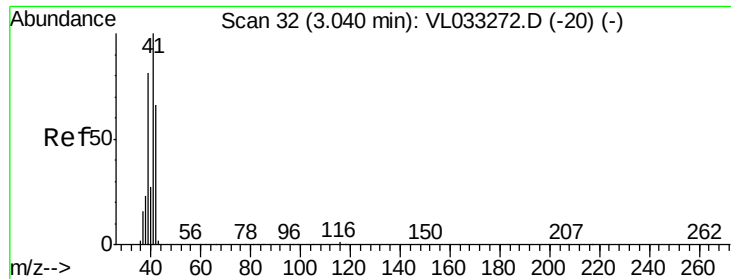
Tgt Ion: 50 Resp: 25877

Ion Ratio Lower Upper

50 100

52 31.7 26.6 39.8





#9

Propene

Concen: 0.466 ppbv m

RT: 3.05 min Scan# 34

Delta R.T. 0.01 min

Lab File: VL033287.D

Acq: 12 Mar 2019 17:41

Instrument :

MSVOA_L

ClientSampleId :

ST-IA-1DUP

Tgt Ion: 41 Resp: 21883

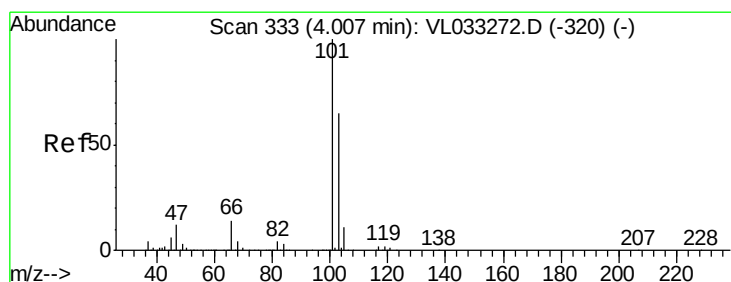
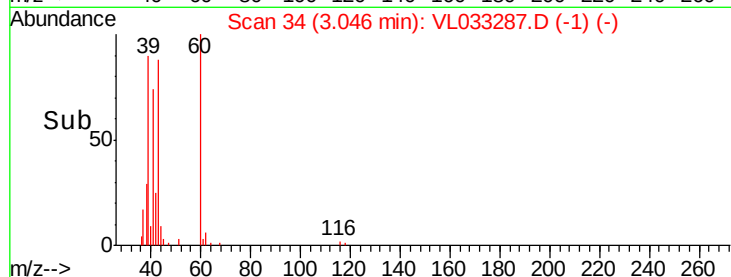
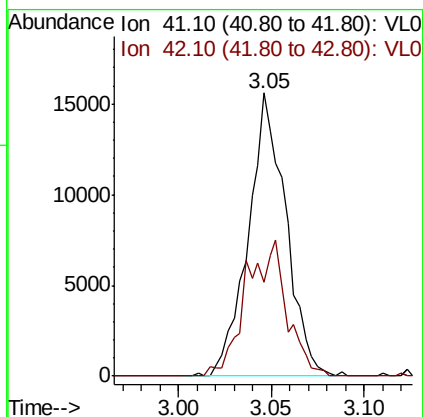
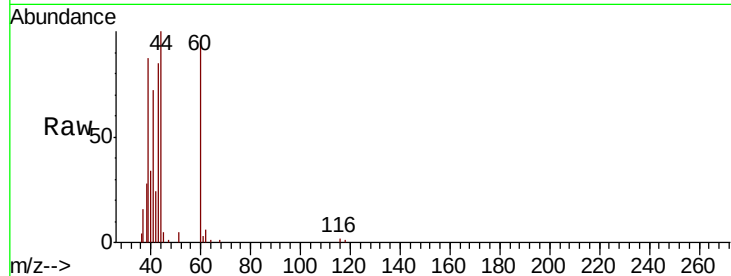
Ion Ratio Lower Upper

41 100

42 131.6 54.6 82.0#

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#11

Trichlorofluoromethane

Concen: 0.206 ppbv

RT: 4.00 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL033287.D

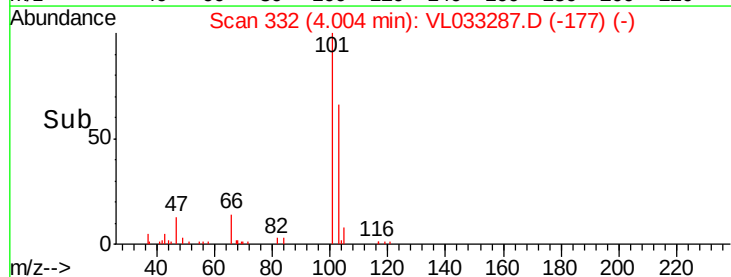
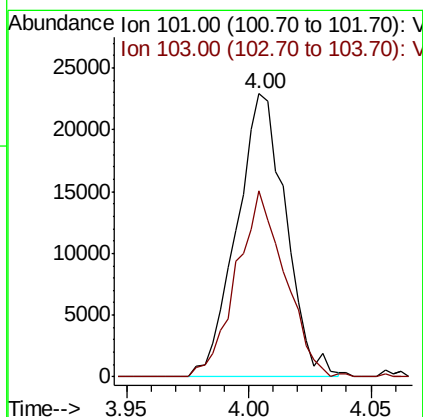
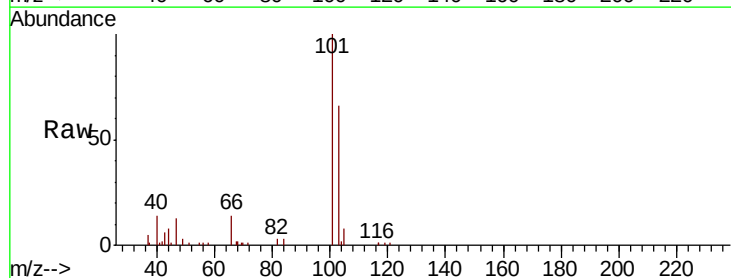
Acq: 12 Mar 2019 17:41

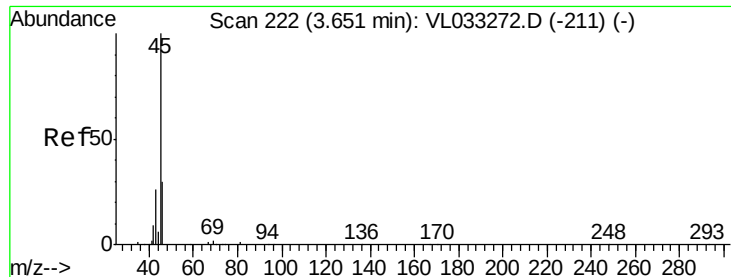
Tgt Ion: 101 Resp: 31932

Ion Ratio Lower Upper

101 100

103 65.9 51.8 77.8





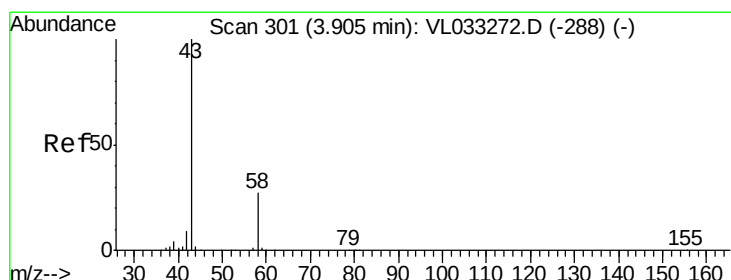
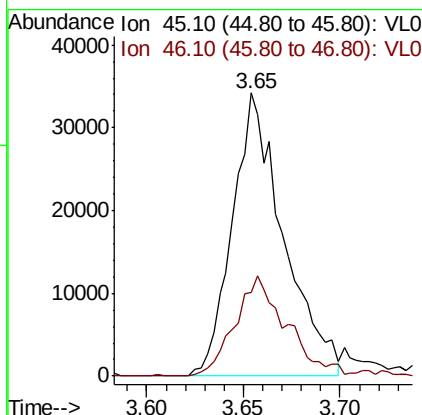
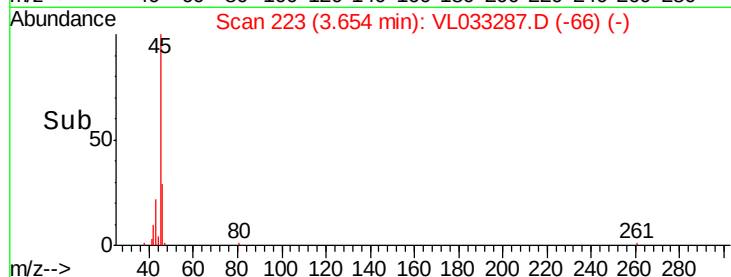
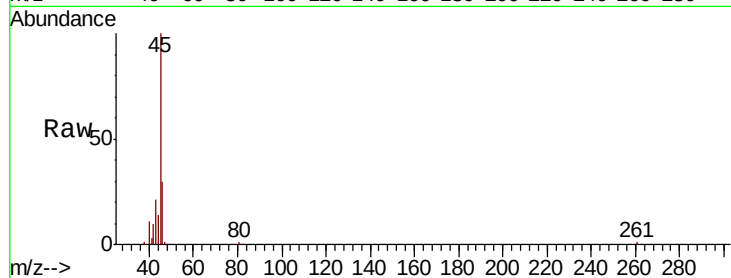
#13
Ethanol
Concen: 4.391 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033287.D
Acq: 12 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampleId :
ST-IA-1DUP

Tgt Ion: 45 Resp: 62915
Ion Ratio Lower Upper
45 100
46 36.7 13.9 55.7

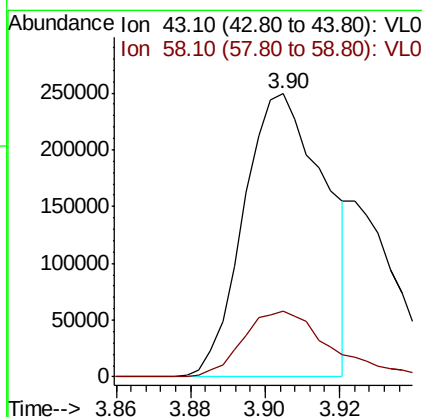
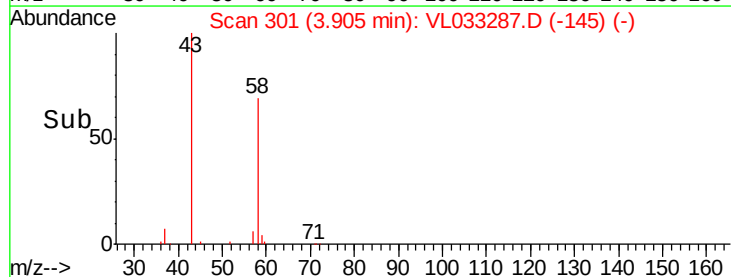
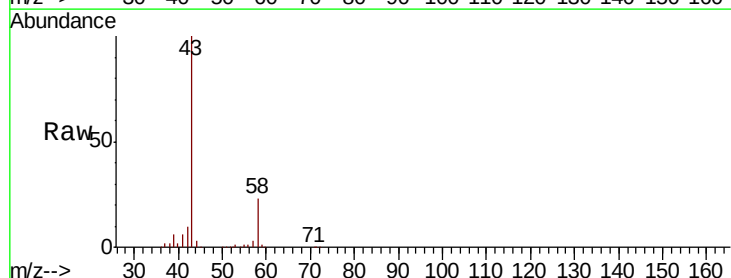
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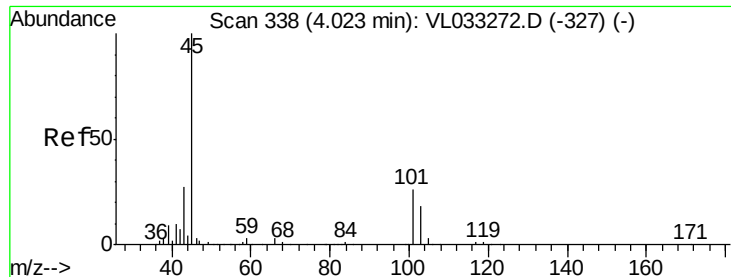
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#15
Acetone
Concen: 3.185 ppbv m
RT: 3.90 min Scan# 301
Delta R.T. 0.00 min
Lab File: VL033287.D
Acq: 12 Mar 2019 17:41

Tgt Ion: 43 Resp: 379400
Ion Ratio Lower Upper
43 100
58 25.4 21.1 31.7





#19

Isopropyl Alcohol

Concen: 0.333 ppbv m

RT: 4.05 min Scan# 346

Delta R.T. 0.03 min

Lab File: VL033287.D

Acq: 12 Mar 2019 17:41

Instrument :

MSVOA_L

ClientSampleId :

ST-IA-1DUP

Tgt Ion: 45 Resp: 23991

Ion Ratio Lower Upper

45 100

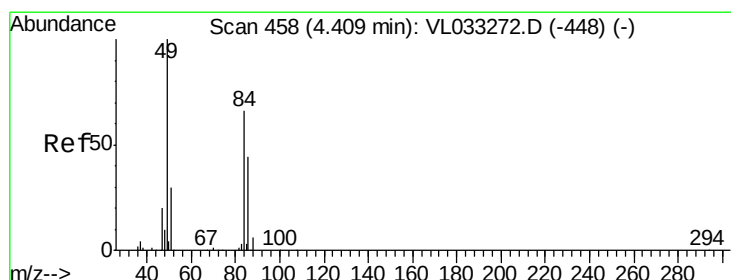
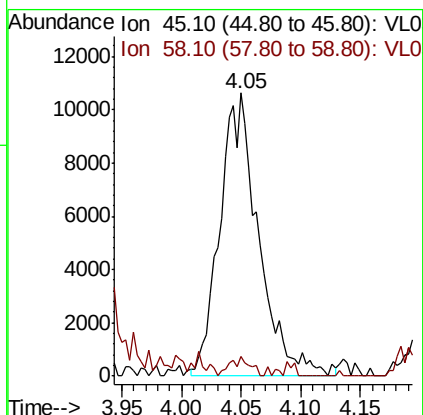
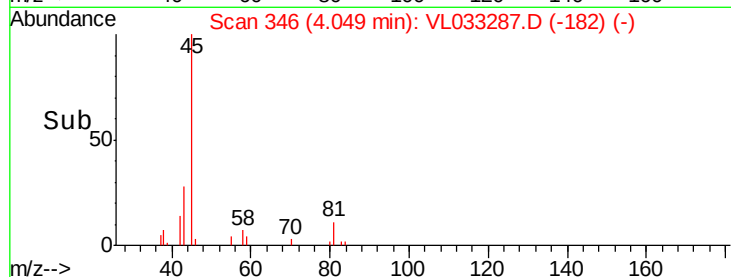
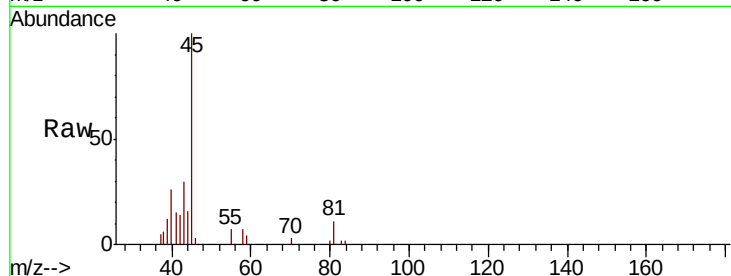
58 0.0 1.4 2.2#

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#20

Methylene Chloride

Concen: 1.267 ppbv m

RT: 4.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: VL033287.D

Acq: 12 Mar 2019 17:41

Tgt Ion: 84 Resp: 50198

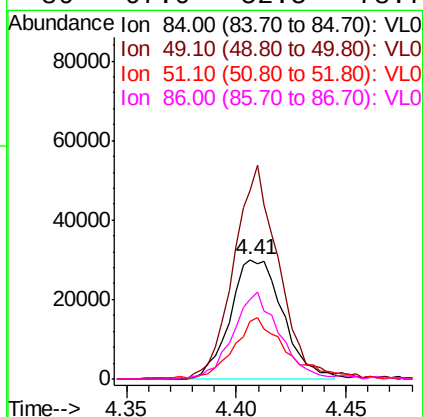
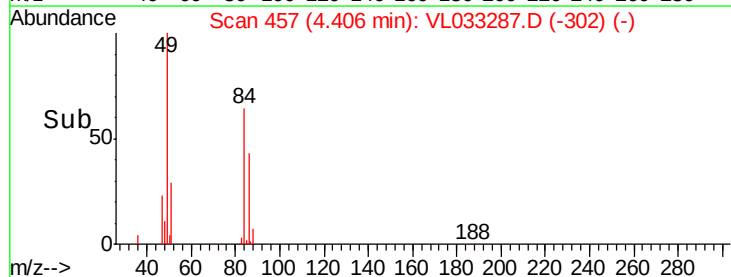
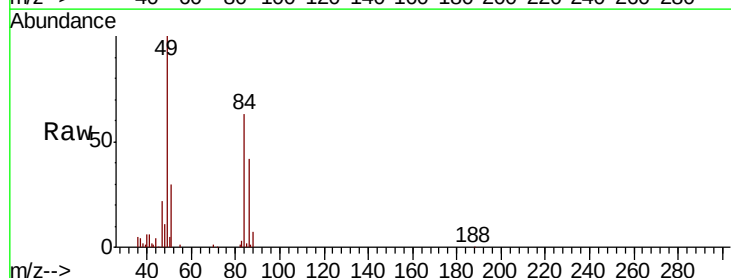
Ion Ratio Lower Upper

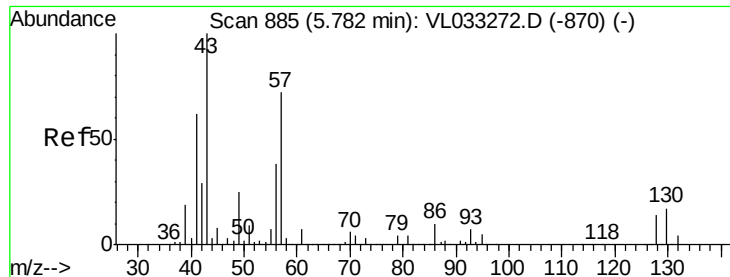
84 100

49 157.9 120.3 180.5

51 47.9 36.2 54.4

86 67.0 52.5 78.7





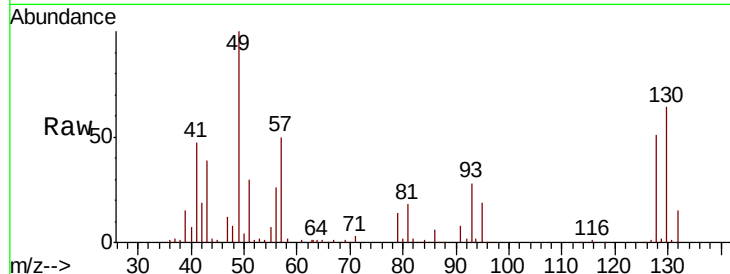
#26
Hexane
Concen: 0.995 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033287.D
Acq: 12 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampleId :
ST-IA-1DUP

Tgt Ion	Ratio	Lower	Upper
57	100		
41	95.9	70.7	106.1
43	75.4	178.6	267.8#
56	55.5	41.3	61.9

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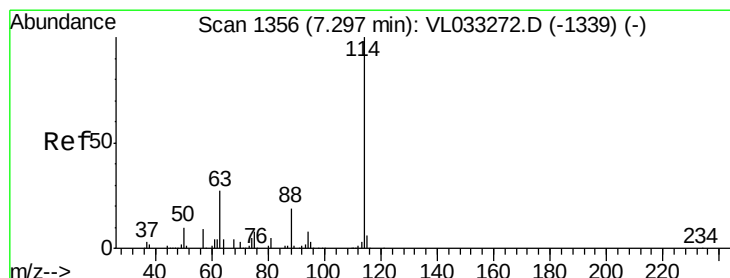
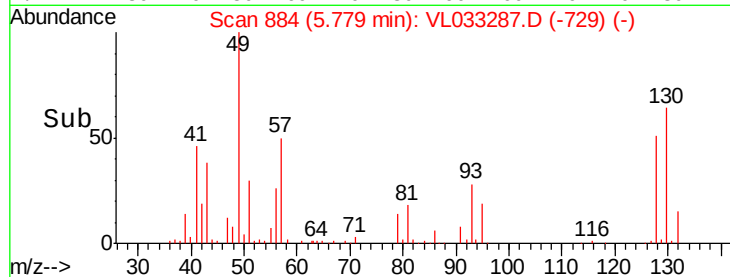
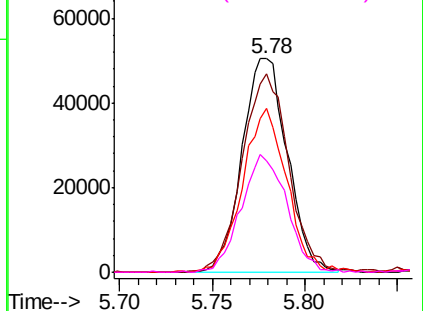
Abundance

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: VL033287.D
Acq: 12 Mar 2019 17:41

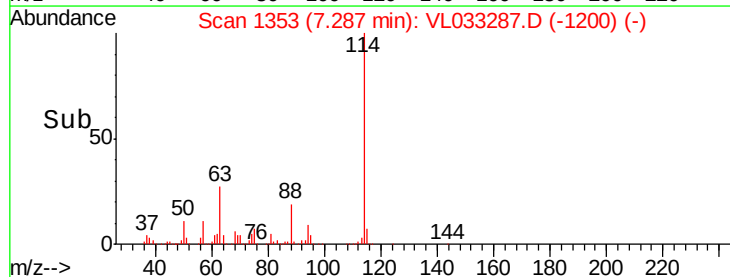
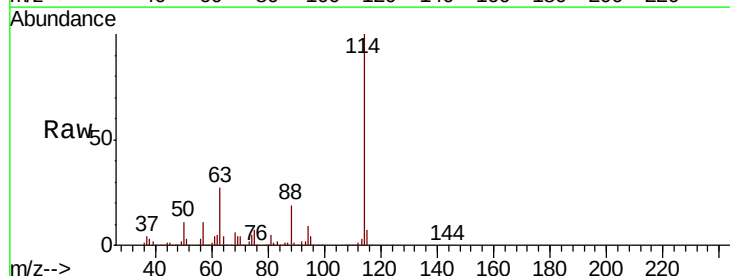
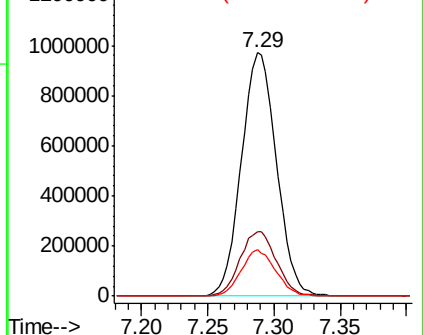
Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.3	21.5	32.3
88	18.8	14.6	22.0

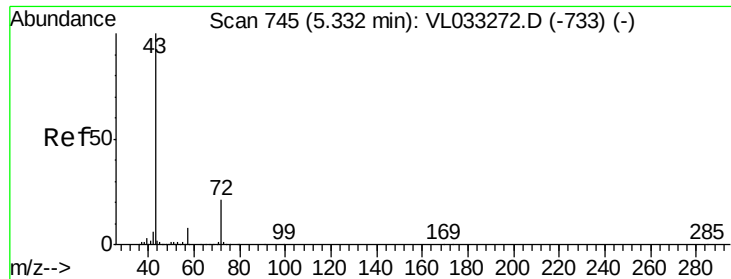
Abundance

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





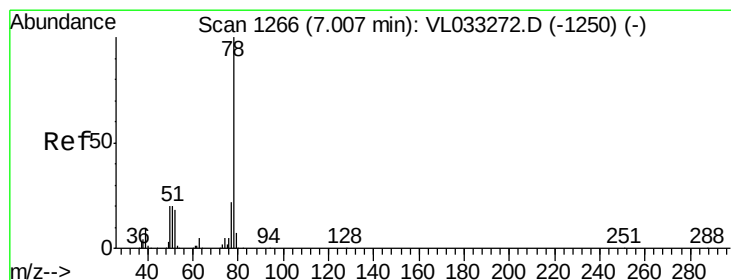
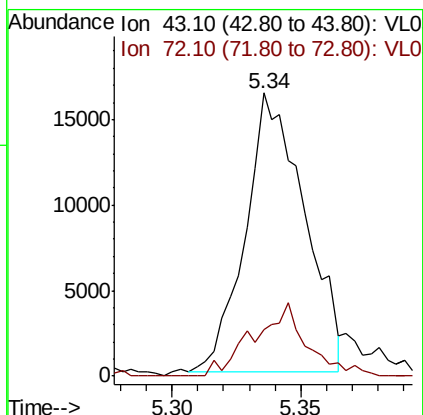
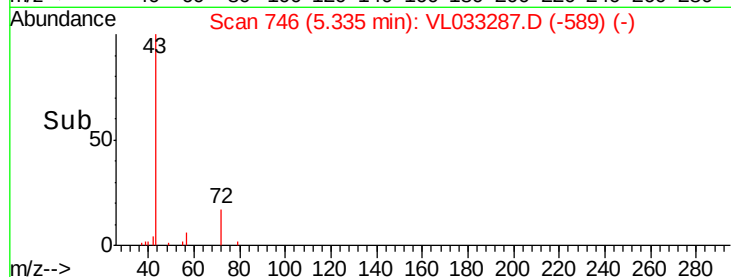
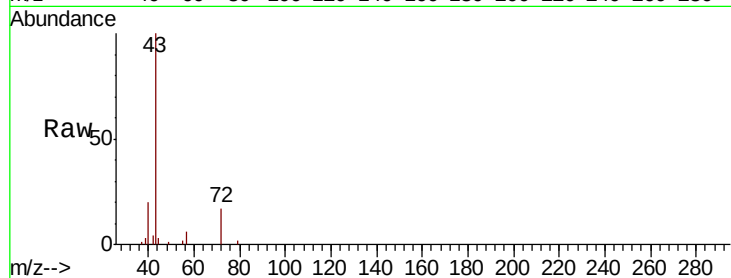
#34
2-Butanone
Concen: 0.222 ppbv
RT: 5.34 min Scan# 746
Delta R.T. 0.00 min
Lab File: VL033287.D
Acq: 12 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampleId :
ST-IA-1DUP

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.7	17.0	25.6

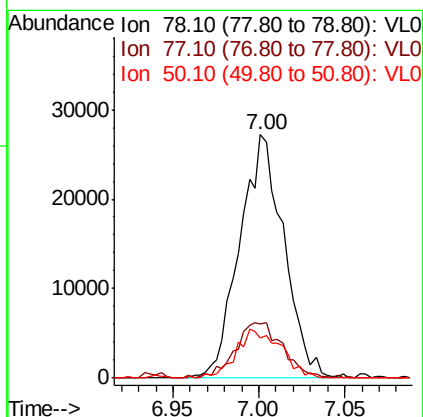
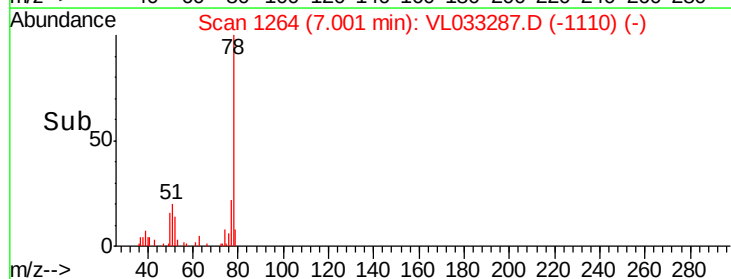
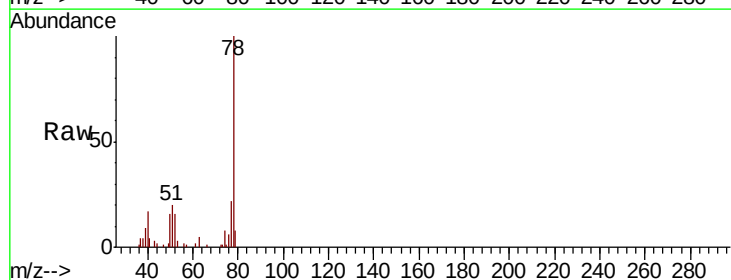
Manual Integrations
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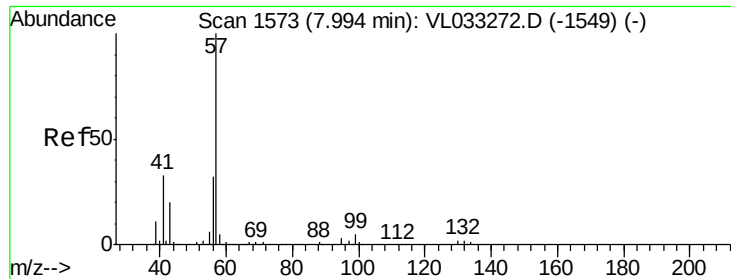
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#36
Benzene
Concen: 0.293 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VL033287.D
Acq: 12 Mar 2019 17:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.0	17.7	26.5
50	16.4	15.7	23.5





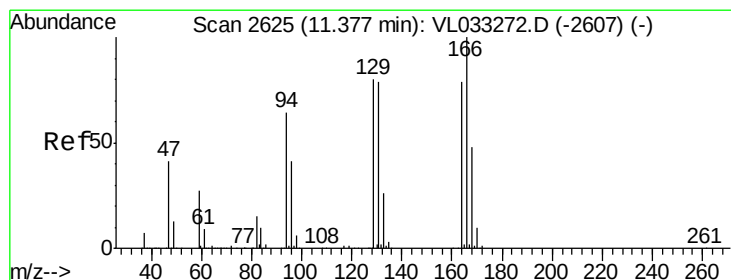
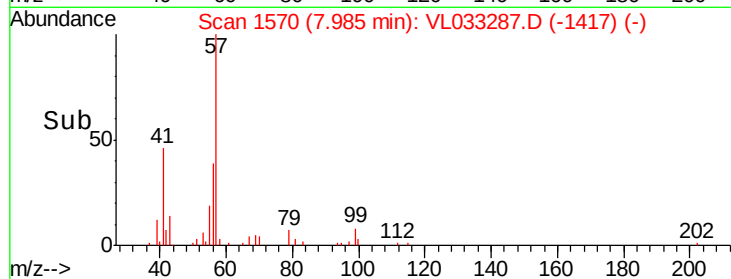
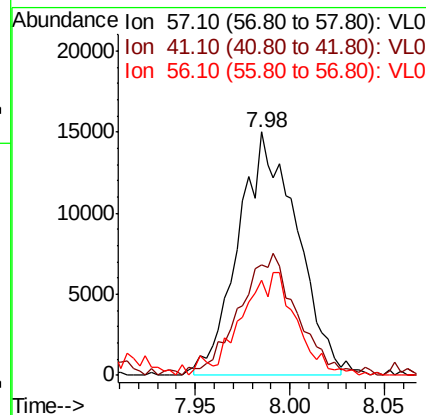
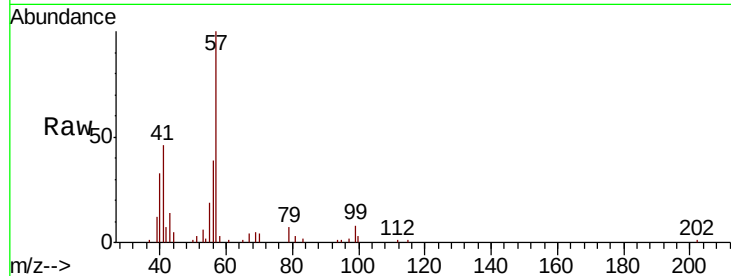
#44
 2,2,4-Trimethylpentane
 Concen: 0.115 ppbv m
 RT: 7.98 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL033287.D
 Acq: 12 Mar 2019 17:41

Instrument :
 MSVOA_L
 ClientSampleId :
 ST-IA-1DUP

Tgt Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.2	39.2#
56	0.0	24.8	37.2#

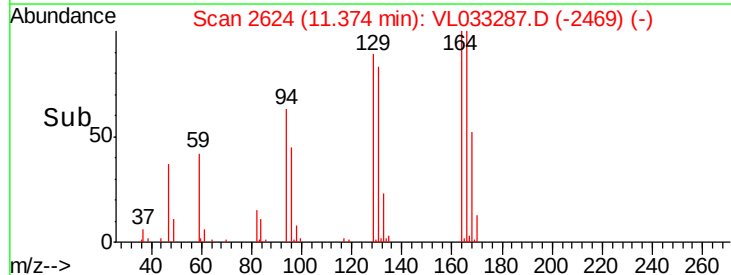
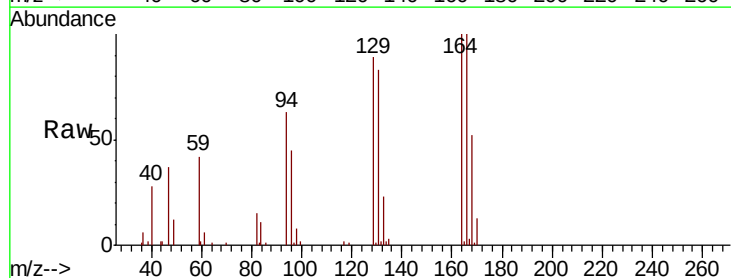
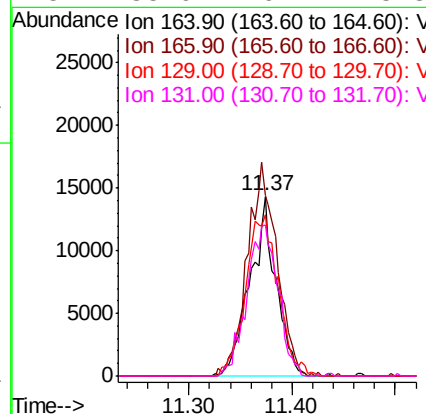
Manual Integrations
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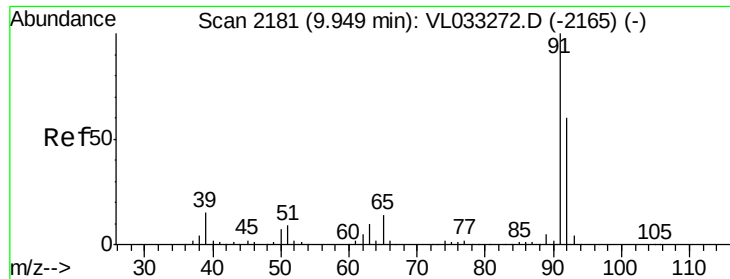
MMDadoda
 3/14/2019 5:06:09 AM



#52
 Tetrachloroethene
 Concen: 0.414 ppbv m
 RT: 11.37 min Scan# 2624
 Delta R.T. -0.00 min
 Lab File: VL033287.D
 Acq: 12 Mar 2019 17:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	100.5	100.8	151.2#
129	89.7	80.6	121.0
131	83.9	79.2	118.8





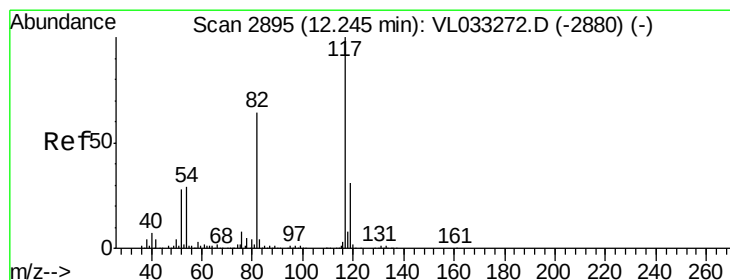
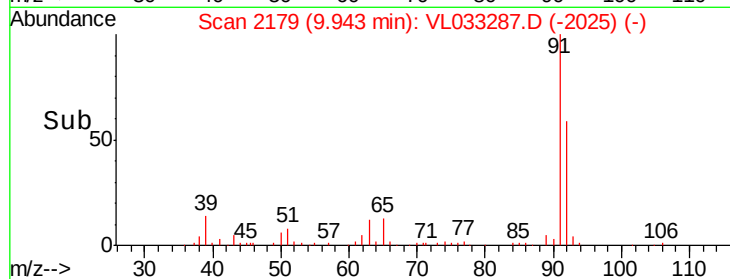
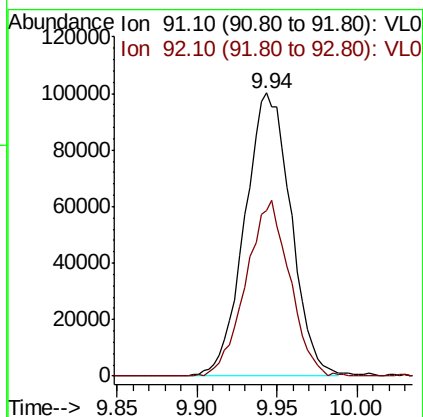
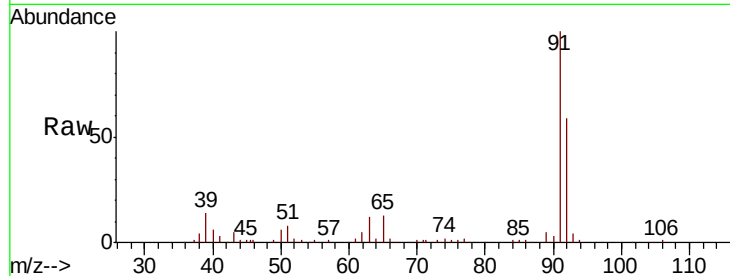
#53
Toluene
Concen: 1.043 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.01 min
Lab File: VL033287.D
Acq: 12 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampleId :
ST-IA-1DUP

Tgt Ion: 91 Resp: 198214
Ion Ratio Lower Upper
91 100
92 58.8 47.8 71.8

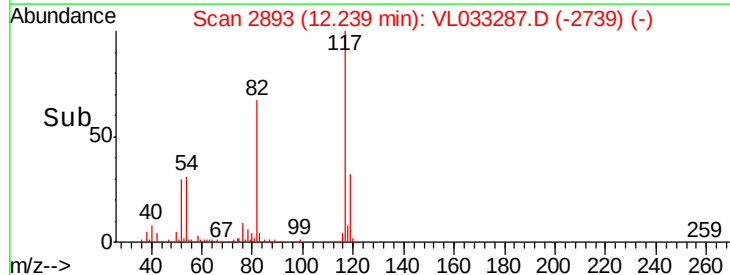
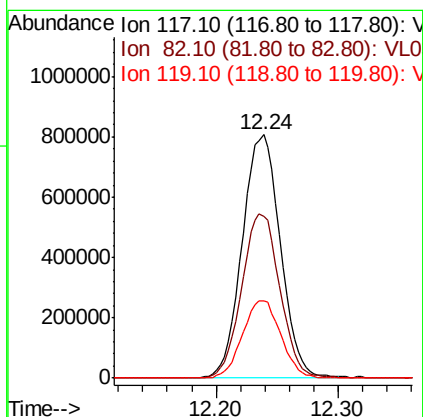
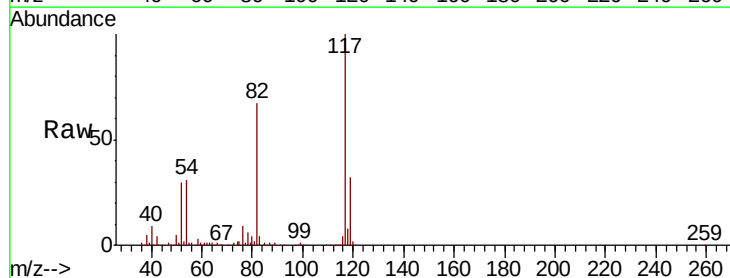
Manual Integrations
APPROVED

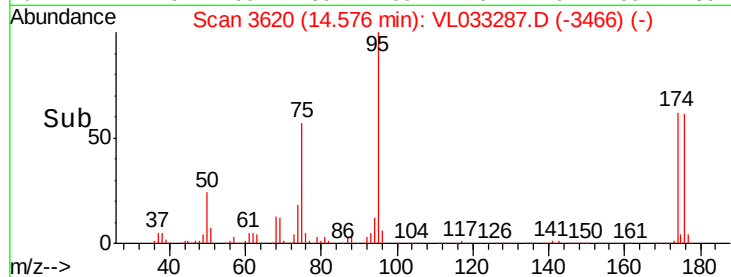
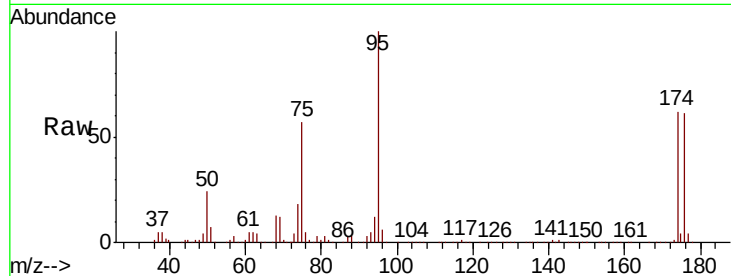
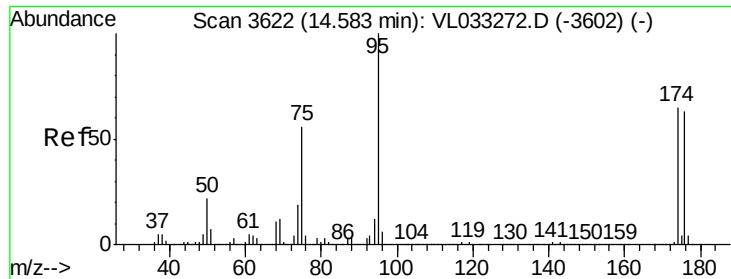
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033287.D
Acq: 12 Mar 2019 17:41

Tgt Ion: 117 Resp: 1740847
Ion Ratio Lower Upper
117 100
82 67.8 51.1 76.7
119 32.2 43.6 65.4#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.463 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.01 min

Lab File: VL033287.D

Acq: 12 Mar 2019 17:41

Instrument :

MSVOA_L

ClientSampleId :

ST-IA-1DUP

Tgt Ion: 95 Resp: 1406594

Ion Ratio Lower Upper

95 100

174 63.5 51.7 77.5

175 4.6 3.7 5.5

Manual Integrations

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3/14/2019 5:06:09 AM

