

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\
 Data File : VL033905.D
 Acq On : 13 Jun 2019 20:06
 Operator : SY/AP
 Sample : K3357-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 SG-2R-20190612

Manual Integrations
 APPROVED

MMDadoda
 6/17/2019 12:37:08 AM

Quant Time: Jun 14 07:03:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	871587	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.29	114	2026726	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.23	117	2420760	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.56	95	1881033	9.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	20624m	0.146	ppbv	
3) Chlorodifluoromethane	3.00	51	66710m	0.650	ppbv	
4) Chloromethane	3.16	50	29553m	0.505	ppbv	
9) Propene	3.03	41	300287	7.821	ppbv	99
10) Heptane	8.23	43	68887	0.710	ppbv	99
11) Trichlorofluoromethane	3.99	101	52783	0.289	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	12630	0.102	ppbv #	81
13) Ethanol	3.67	45	508021	40.669	ppbv	96
15) Acetone	3.89	43	26101789m	205.336	ppbv	
17) tert-Butyl alcohol	4.37	59	1279390	12.875	ppbv	98
19) Isopropyl Alcohol	4.04	45	2184345	30.080	ppbv #	94
20) Methylene Chloride	4.42	84	291509	5.881	ppbv	97
23) Vinyl Acetate	5.15	43	356601	2.413	ppbv #	95
26) Hexane	5.77	57	217018	2.462	ppbv #	32
27) Carbon Disulfide	4.61	76	78298	0.639	ppbv #	79
28) Methyl tert-Butyl Ether	5.10	73	19906	0.149	ppbv #	54
29) Chloroform	5.85	83	84648	0.561	ppbv	96
32) 1,1,1-Trichloroethane	6.61	97	8120m	0.056	ppbv	
34) 2-Butanone	5.33	43	6126875	53.586	ppbv	97
35) Carbon Tetrachloride	7.13	117	15096m	0.096	ppbv	
36) Benzene	7.00	78	97231m	0.628	ppbv	
38) Trichloroethene	7.96	130	11425m	0.190	ppbv	
41) Tetrahydrofuran	6.14	42	380941	6.564	ppbv	99
44) 2,2,4-Trimethylpentane	7.97	57	235342	0.855	ppbv #	85
50) 4-Methyl-2-Pentanone	8.86	43	88545	0.519	ppbv	98
51) 2-Hexanone	10.25	43	738805	5.549	ppbv #	99
52) Tetrachloroethene	11.36	164	92302	1.694	ppbv	93
53) Toluene	9.94	91	738591	4.311	ppbv	98
58) Ethyl Benzene	12.85	91	102305	0.375	ppbv	96
59) m/p-Xylene	13.10	91	266895	1.075	ppbv	100
60) o-Xylene	13.83	91	141022	0.550	ppbv	99
61) Styrene	13.67	104	57687m	0.348	ppbv	
62) Isopropylbenzene	14.81	105	85993	0.249	ppbv	97
64) n-propylbenzene	15.70	120	100188	1.133	ppbv	93
72) 4-Ethyltoluene	15.99	105	583375	2.001	ppbv	98
73) 1,3,5-Trimethylbenzene	16.14	105	440074	1.532	ppbv	94
74) 1,2,4-Trimethylbenzene	16.91	105	1047478	3.164	ppbv #	76
79) Naphthalene	22.39	128	43826m	0.166	ppbv	
80) Naphthalene,2-methyl-	25.10	142	11641	0.110	ppbv #	88

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Instrument :
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ClientSampleId :
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Manual Integrations
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Quant Time: Jun 14 07:03:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

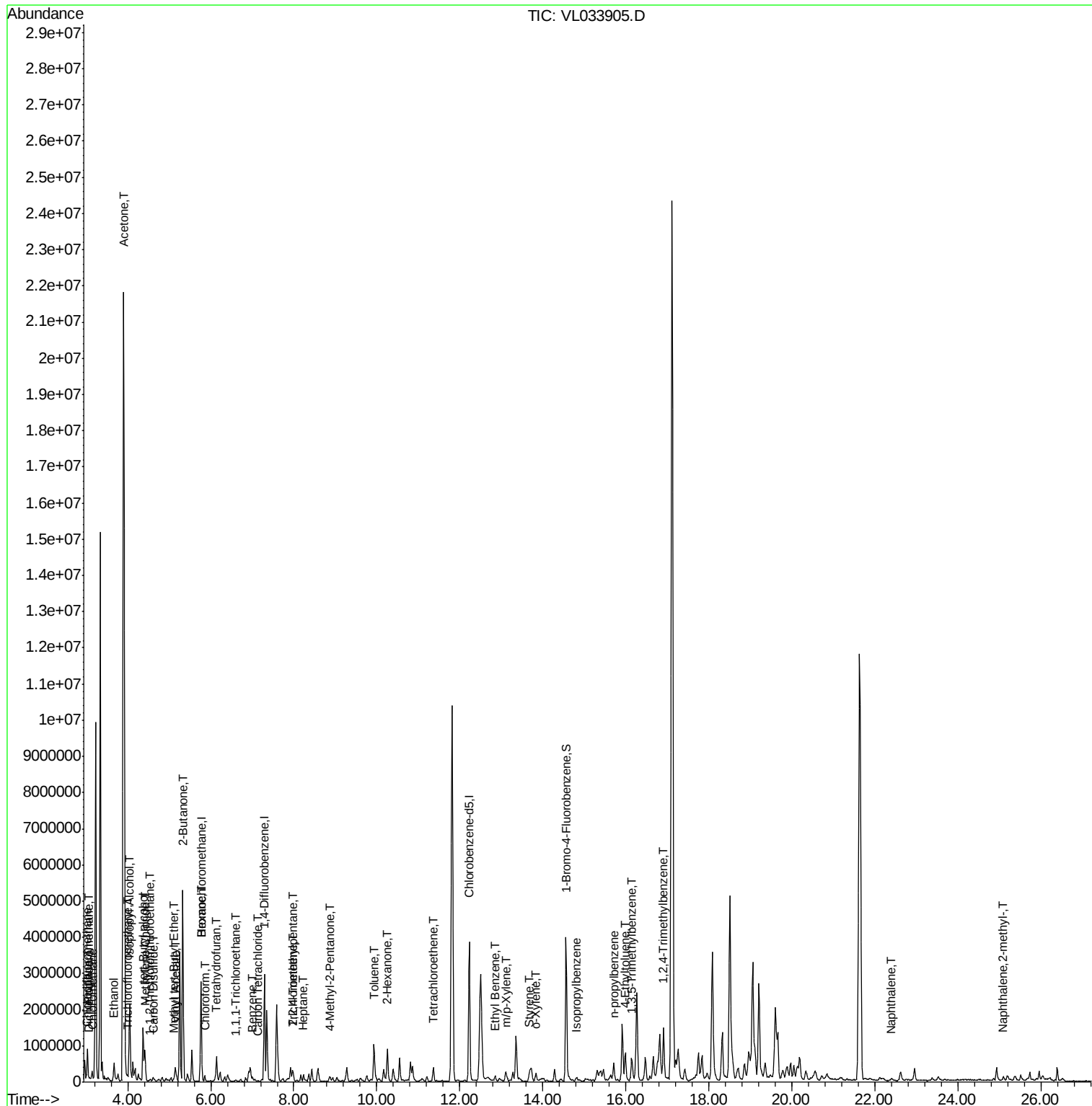
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Data File : VL033905.D
Acq On : 13 Jun 2019 20:06
Operator : SY/AP
Sample : K3357-01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

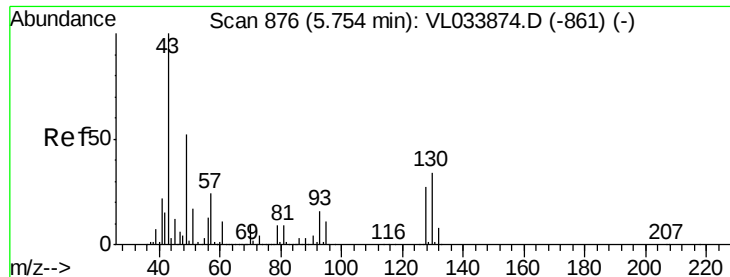
Instrument :
MSVOA_L
ClientSampleId :
SG-2R-20190612

Manual Integrations APPROVED

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6/17/2019 12:37:08 AM

Quant Time: Jun 14 07:03:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSV0A_LFri Jun
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. 0.01 min

Lab File: VL033905.D

Acq: 13 Jun 2019 20:06

Instrument :

MSVOA_L

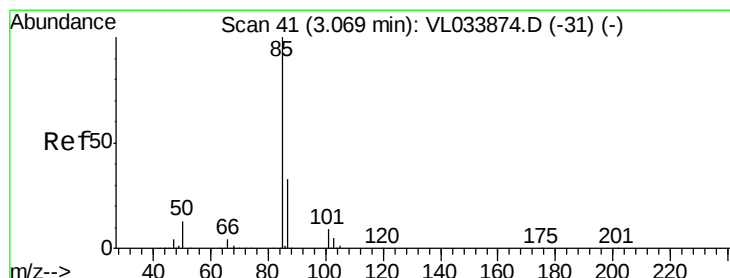
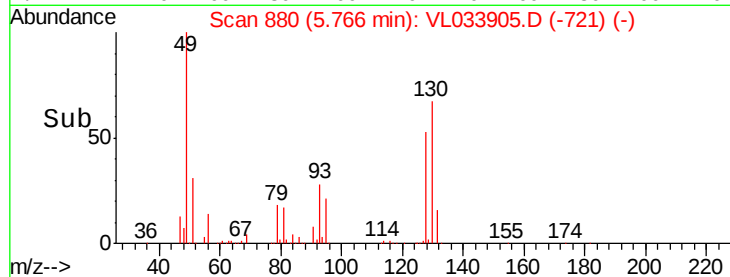
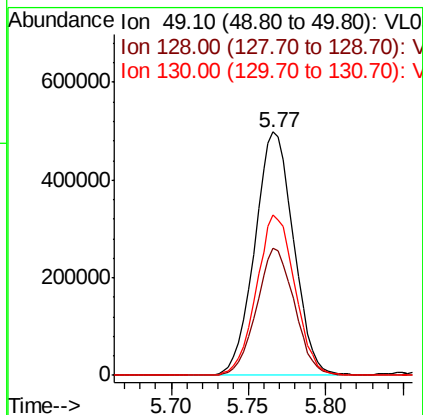
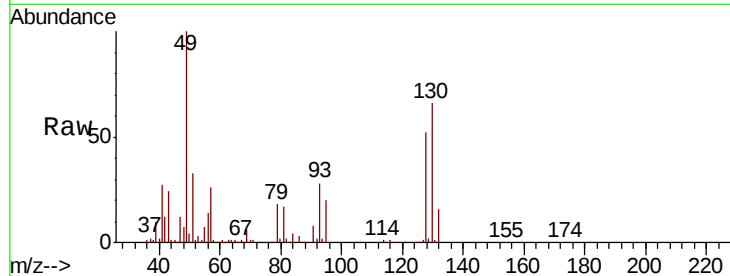
ClientSampleId :

SG-2R-20190612

Tot Ion:	49	Resp:	871587
Ion	Ratio	Lower	Upper
49	100		
128	50.8	25.5	76.5
130	65.1	32.5	97.4

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#2

Dichlorodifluoromethane

Concen: 0.146 ppbv m

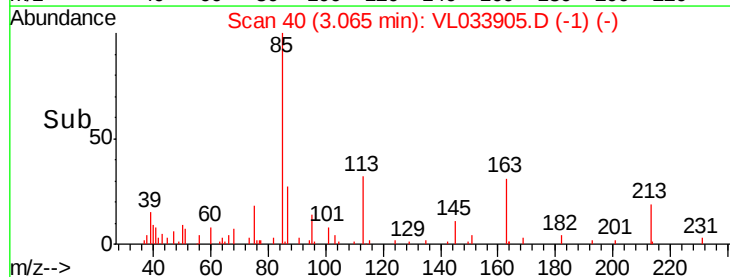
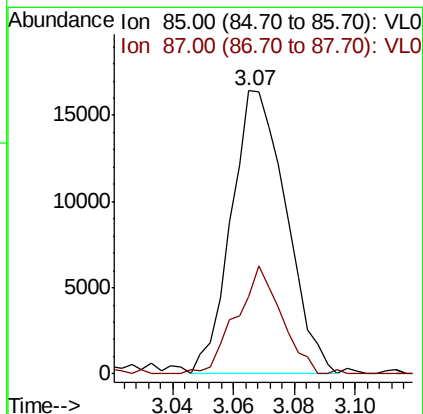
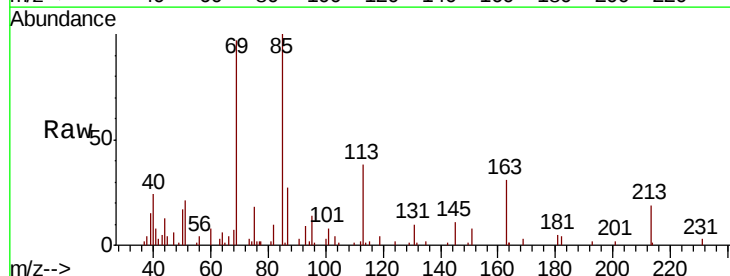
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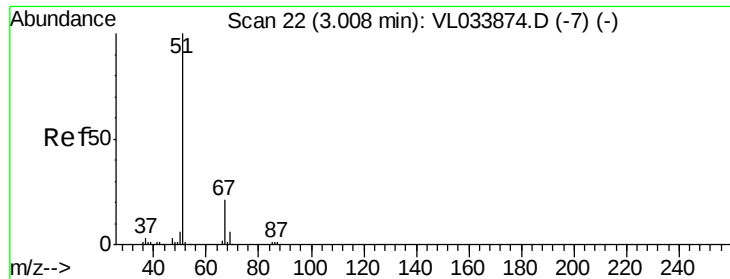
Delta R.T. -0.00 min

Lab File: VL033905.D

Acq: 13 Jun 2019 20:06

Tgt Ion:	85	Resp:	20624
Ion	Ratio	Lower	Upper
85	100		
87	27.2	26.6	40.0





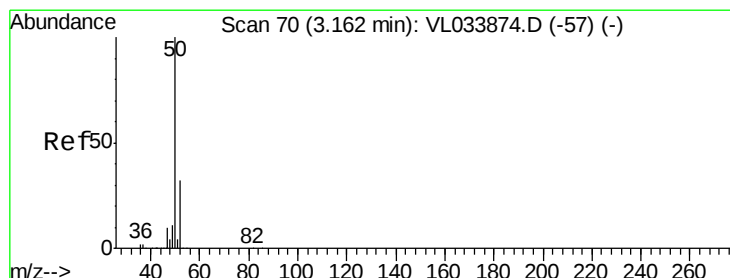
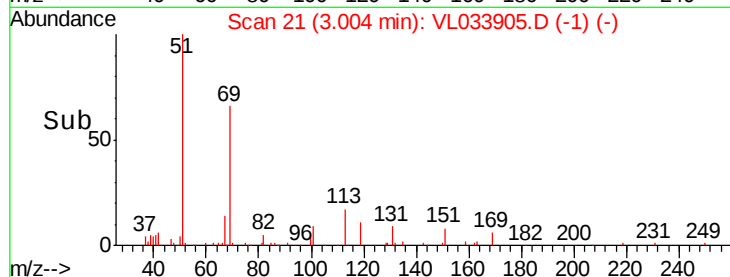
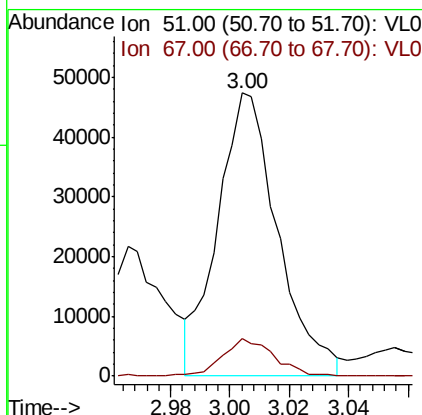
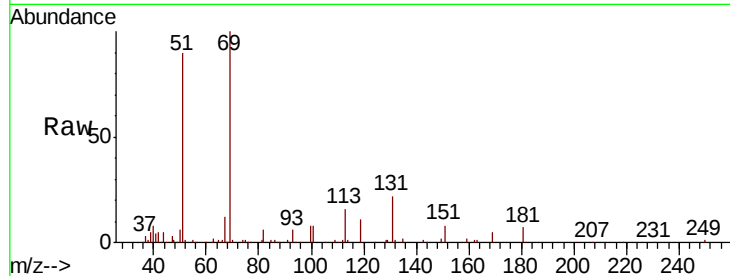
#3
Chlorodifluoromethane
Concen: 0.650 ppbv m
RT: 3.00 min Scan# 21
Delta R.T. -0.00 min
Lab File: VL033905.D
Acq: 13 Jun 2019 20:06

Instrument :
MSVOA_L
ClientSampleId :
SG-2R-20190612

Tot Ion: 51 Resp: 66710
Ion Ratio Lower Upper
51 100
67 11.4 16.4 24.6#

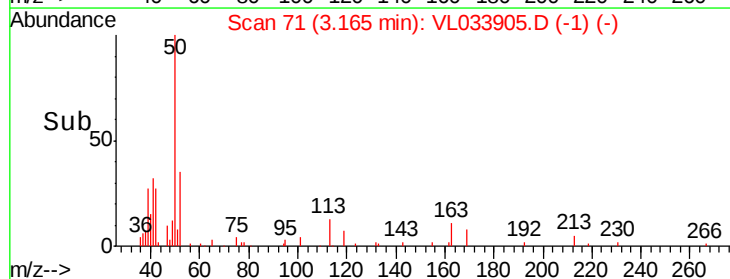
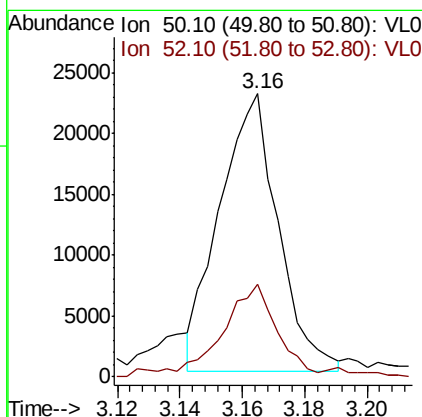
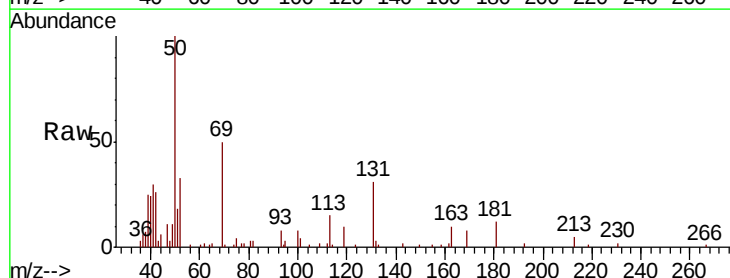
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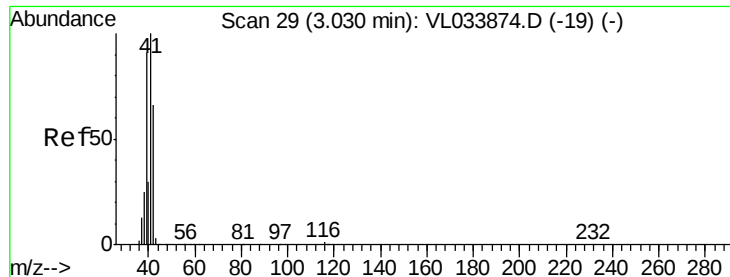
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#4
Chloromethane
Concen: 0.505 ppbv m
RT: 3.16 min Scan# 71
Delta R.T. 0.00 min
Lab File: VL033905.D
Acq: 13 Jun 2019 20:06

Tgt Ion: 50 Resp: 29553
Ion Ratio Lower Upper
50 100
52 32.8 25.4 38.0





#9

Propene

Concen: 7.821 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.00 min

Lab File: VL033905.D

Acq: 13 Jun 2019 20:06

Instrument :

MSVOA_L

ClientSampleId :

SG-2R-20190612

Tot Ion: 41 Resp: 300287

Ion Ratio Lower Upper

41 100

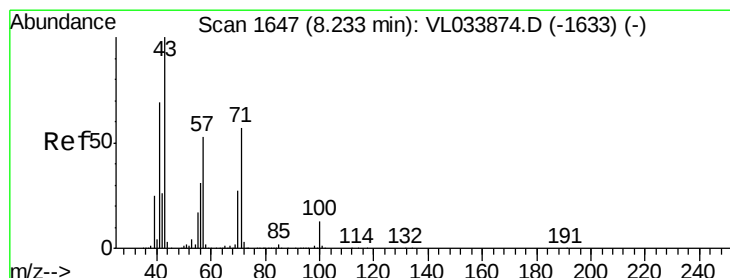
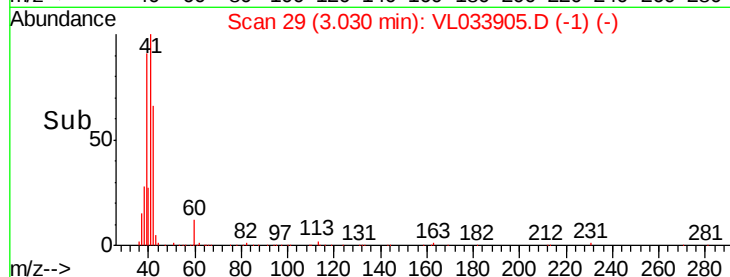
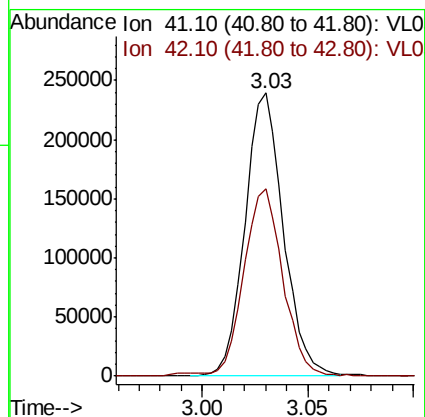
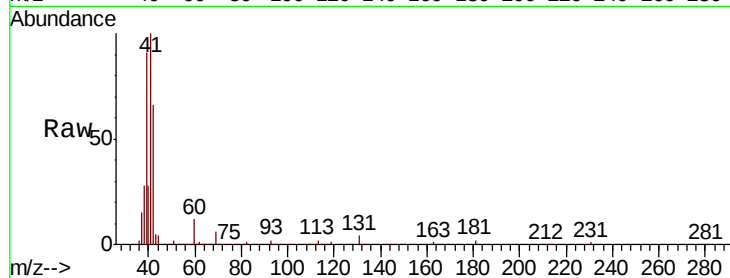
42 69.2 56.3 84.5

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#10

Heptane

Concen: 0.710 ppbv

RT: 8.23 min Scan# 1647

Delta R.T. -0.00 min

Lab File: VL033905.D

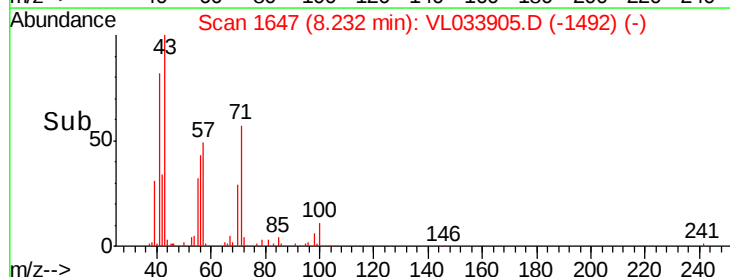
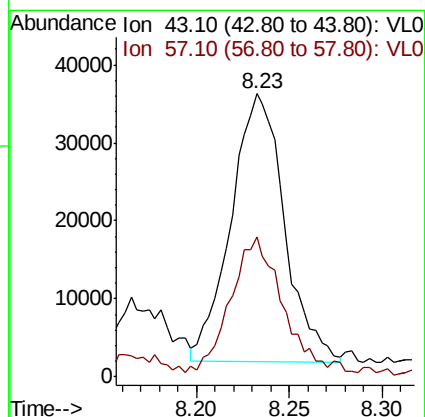
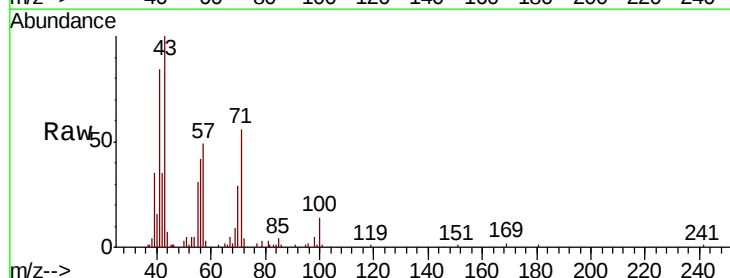
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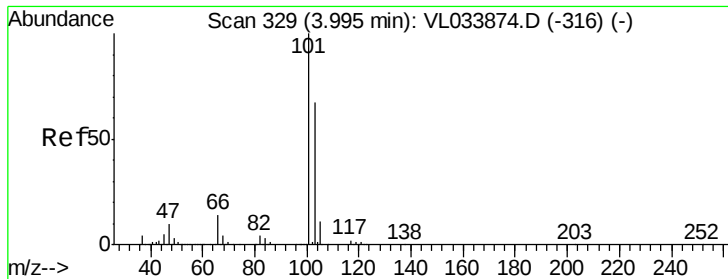
Tgt Ion: 43 Resp: 68887

Ion Ratio Lower Upper

43 100

57 52.6 41.7 62.5





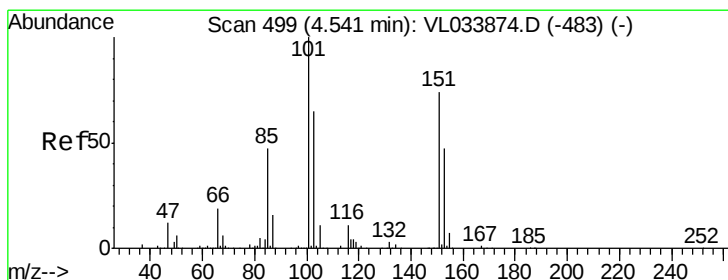
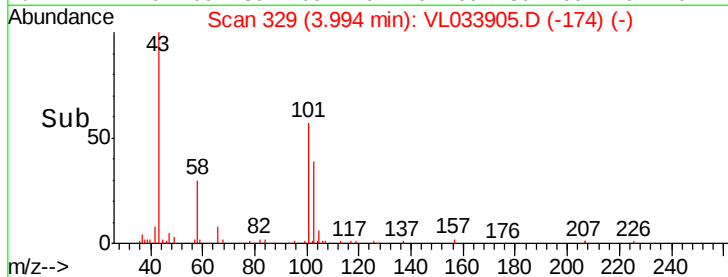
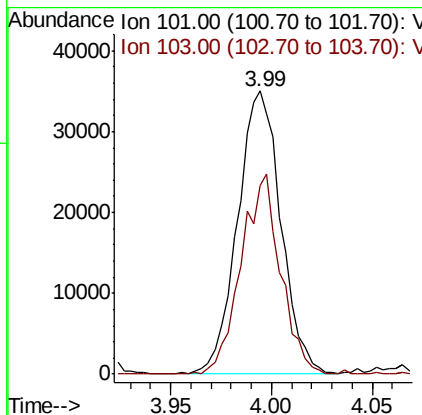
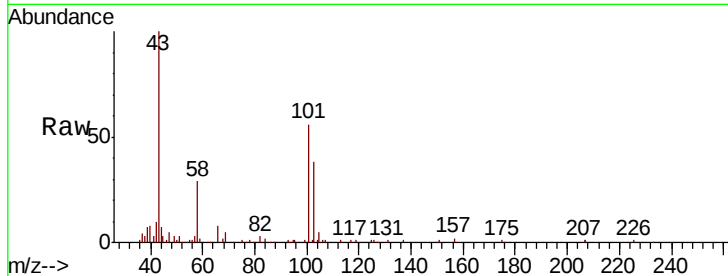
#11
 Trichlorofluoromethane
 Concen: 0.289 ppbv
 RT: 3.99 min Scan# 329
 Delta R.T. -0.00 min
 Lab File: VL033905.D
 Acq: 13 Jun 2019 20:06

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2R-20190612

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	53.6	80.4

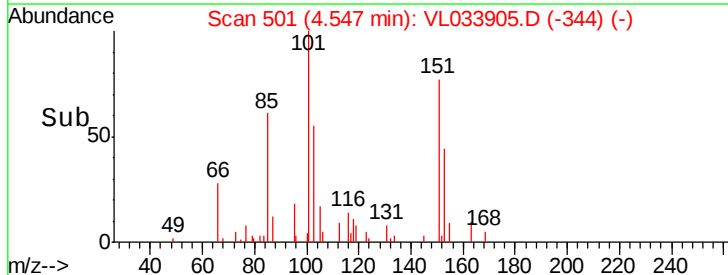
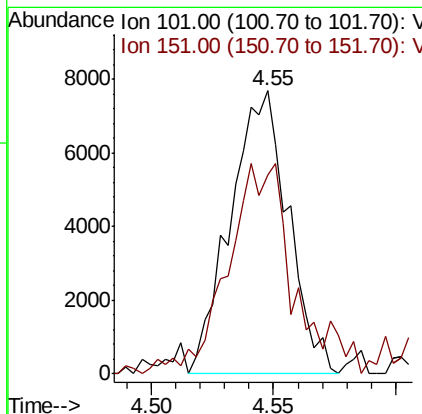
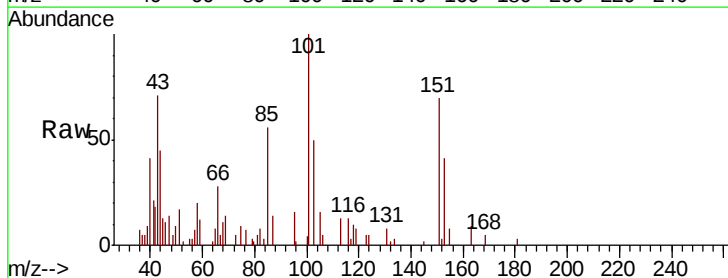
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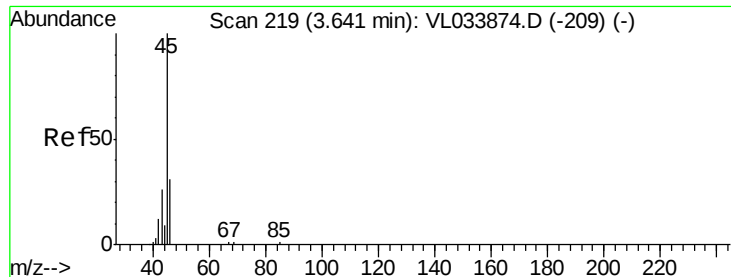
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.102 ppbv
 RT: 4.55 min Scan# 501
 Delta R.T. 0.01 min
 Lab File: VL033905.D
 Acq: 13 Jun 2019 20:06

Tgt Ion	Ratio	Lower	Upper
101	100		
151	89.1	58.6	87.8#





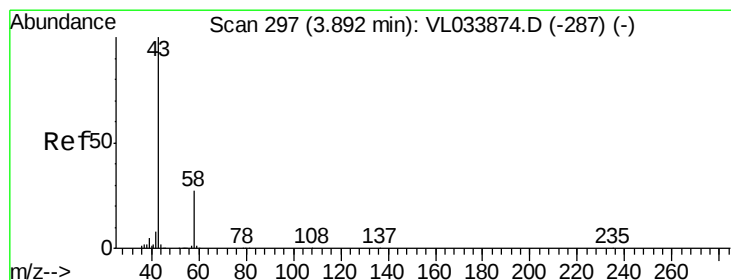
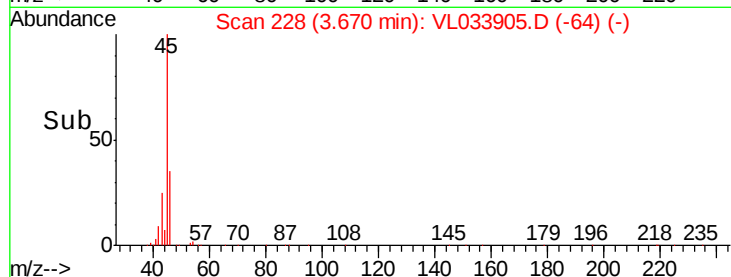
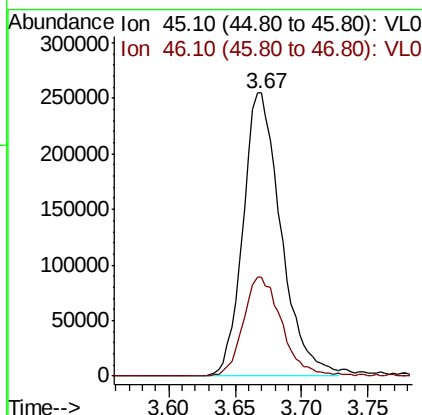
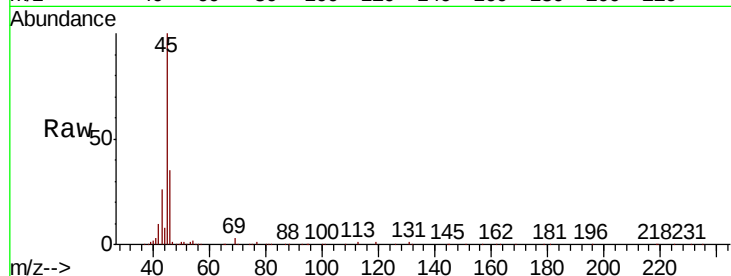
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Ethanol
Concen: 40.669 ppbv
RT: 3.67 min Scan# 228
Delta R.T. 0.03 min
Lab File: VL033905.D
Acq: 13 Jun 2019 20:06

Instrument :
MSVOA_L
ClientSampleId :
SG-2R-20190612

Tot Ion: 45 Resp: 508021
Ion Ratio Lower Upper
45 100
46 35.7 15.3 61.1

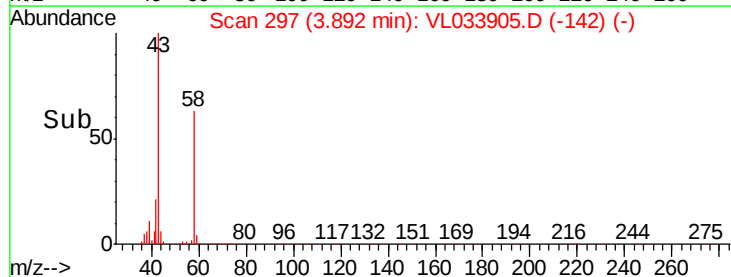
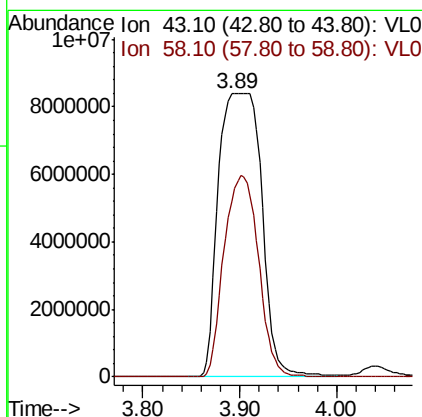
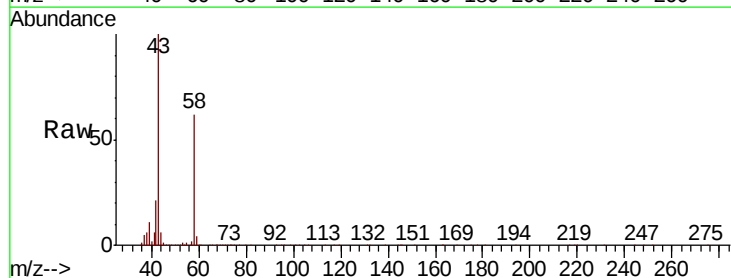
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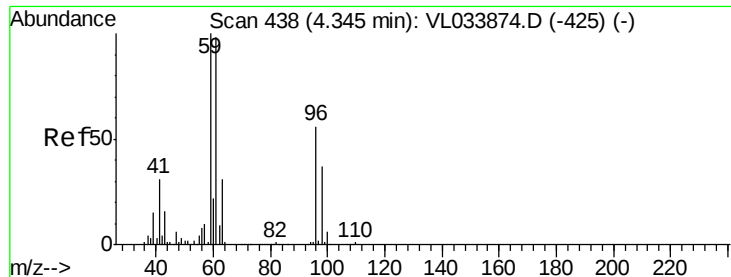
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#15
Acetone
Concen: 205.336 ppbv m
RT: 3.89 min Scan# 297
Delta R.T. -0.00 min
Lab File: VL033905.D
Acq: 13 Jun 2019 20:06

Tgt Ion: 43 Resp: 26101789
Ion Ratio Lower Upper
43 100
58 56.7 21.3 31.9#





#17

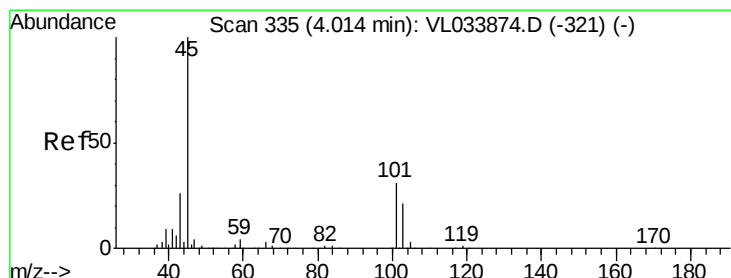
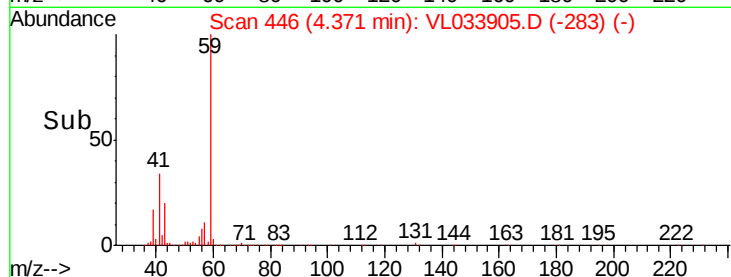
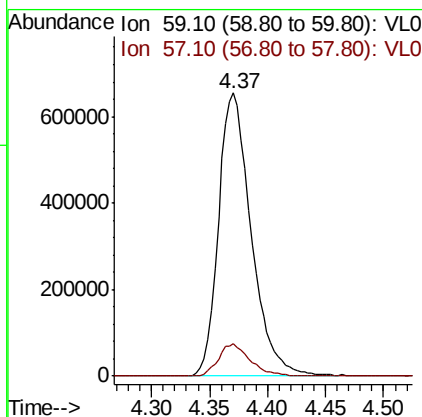
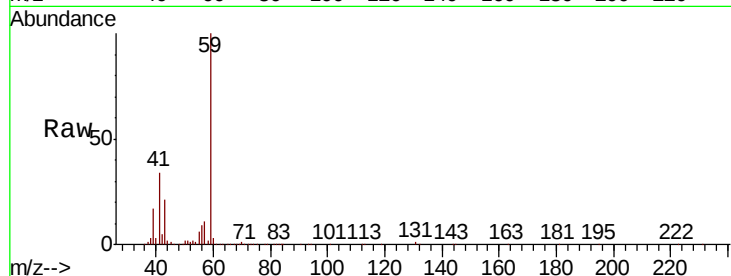
tert-Butyl alcohol
 Concen: 12.875 ppbv
 RT: 4.37 min Scan# 446
 Delta R.T. 0.03 min
 Lab File: VL033905.D
 Acq: 13 Jun 2019 20:06

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2R-20190612

Tot Ion: 59 Resp: 1279390
 Ion Ratio Lower Upper
 59 100
 57 11.3 8.4 12.6

Manual Integrations
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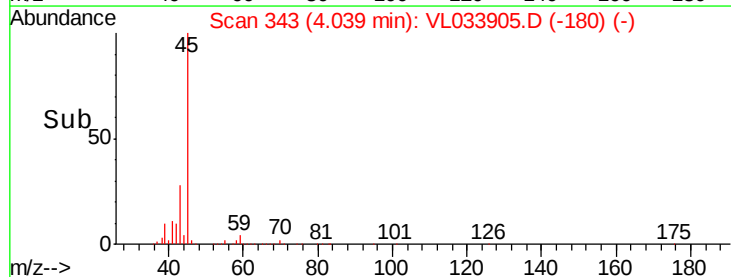
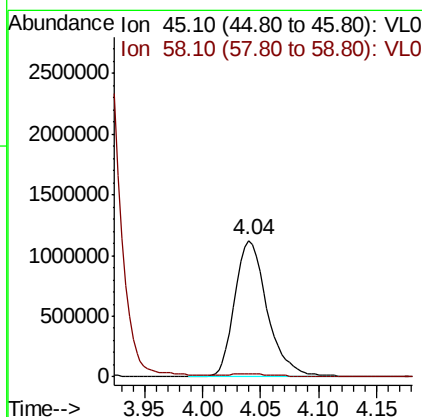
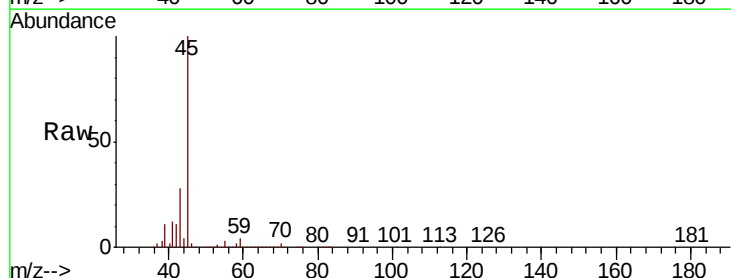
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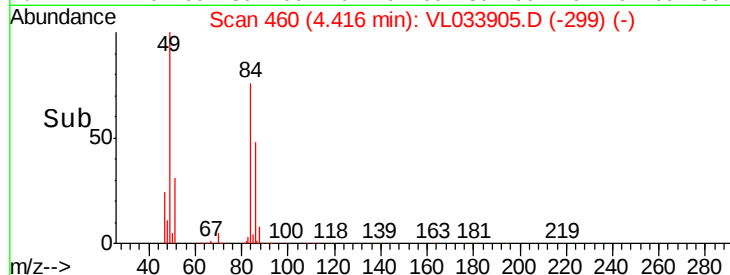
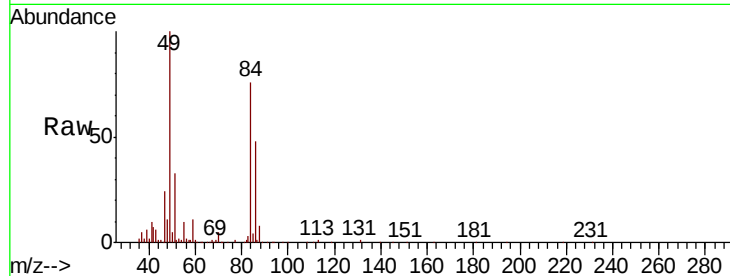
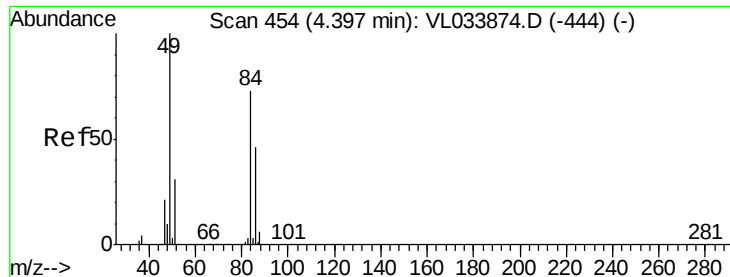


#19

Isopropyl Alcohol
 Concen: 30.080 ppbv
 RT: 4.04 min Scan# 343
 Delta R.T. 0.03 min
 Lab File: VL033905.D
 Acq: 13 Jun 2019 20:06

Tgt Ion: 45 Resp: 2184345
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.8 2.6#





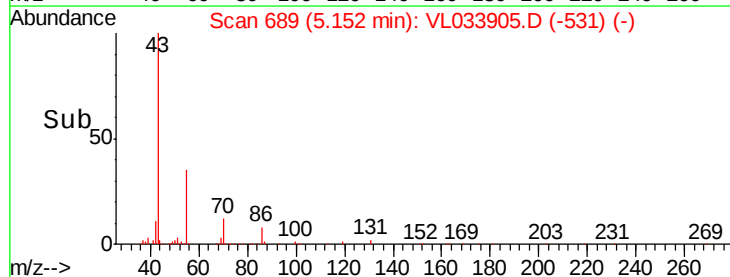
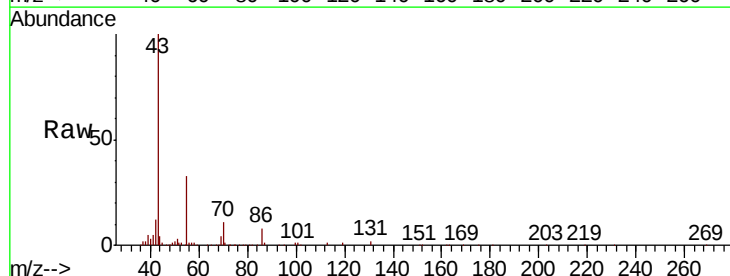
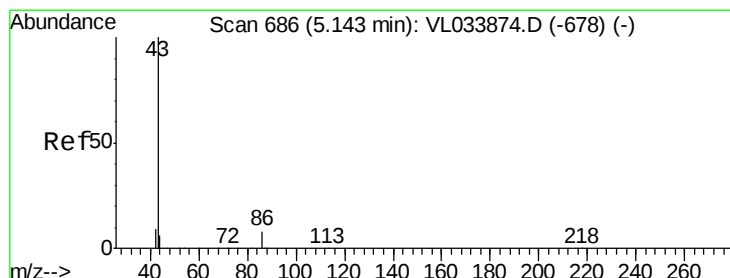
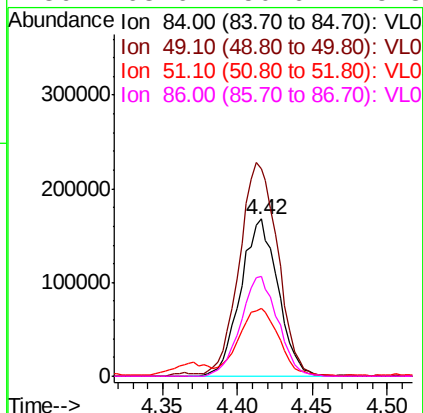
#20
Methvlene Chloride
Concen: 5.881 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.02 min
Lab File: VL033905.D
Acq: 13 Jun 2019 20:06

Tot Ion:	84	Resp:	291509
Ion	Ratio	Lower	Upper
84	100		
49	131.3	110.0	165.0
51	42.7	34.6	51.8
86	63.6	50.6	75.8

Instrument :
MSVOA_L
ClientSampleId :
SG-2R-20190612

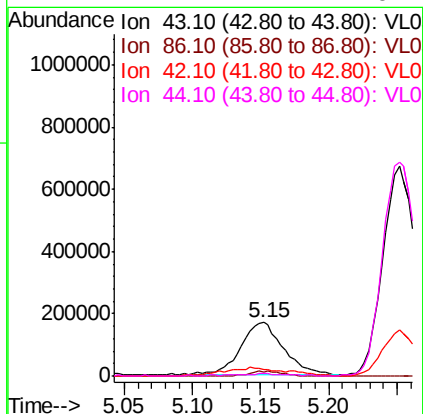
Manual Integrations
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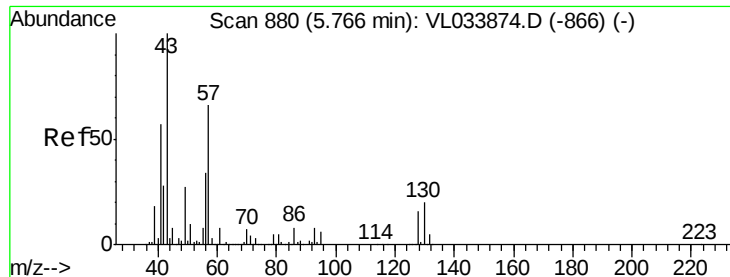
MMDadoda
6/17/2019 12:37:08 AM



#23
Vinyl Acetate
Concen: 2.413 ppbv
RT: 5.15 min Scan# 689
Delta R.T. 0.01 min
Lab File: VL033905.D
Acq: 13 Jun 2019 20:06

Tgt Ion:	43	Resp:	356601
Ion	Ratio	Lower	Upper
43	100		
86	8.2	5.8	8.8
42	11.6	7.8	11.8
44	2.7	4.2	6.4#





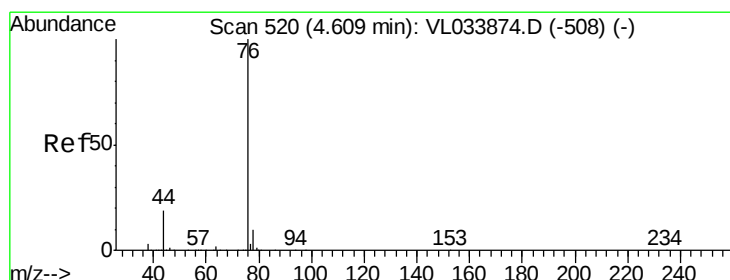
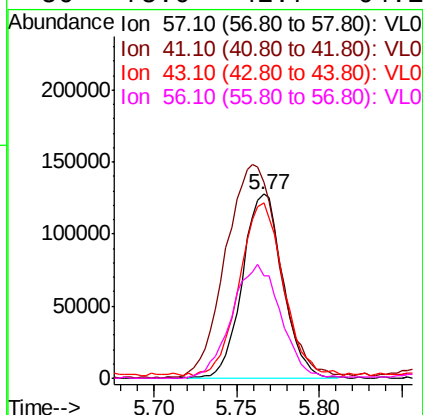
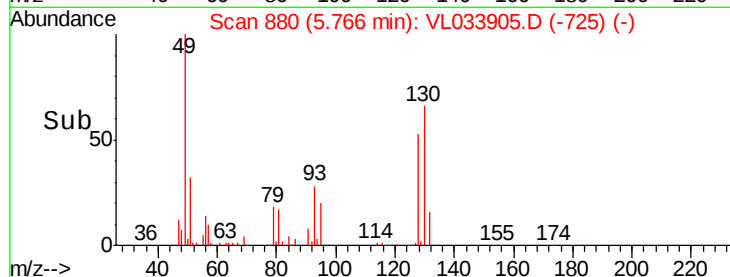
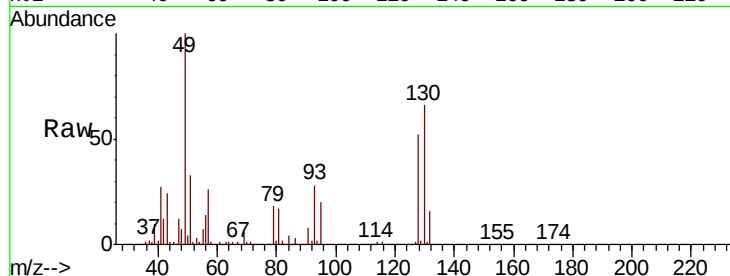
#26
Hexane
Concen: 2.462 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033905.D
Acq: 13 Jun 2019 20:06

Instrument :
MSVOA_L
ClientSampleId :
SG-2R-20190612

Tot Ion	Ion	Ratio	Lower	Upper
57	100			
41	152.5	71.4	107.2#	
43	103.3	183.7	275.5#	
56	75.0	42.7	64.1#	

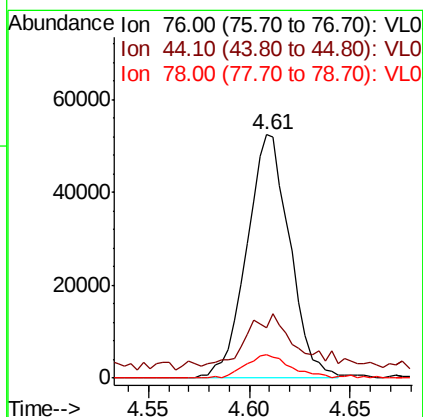
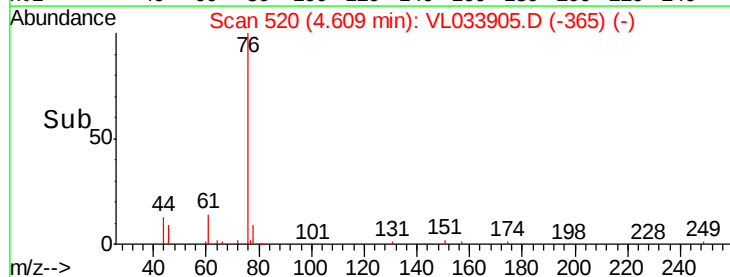
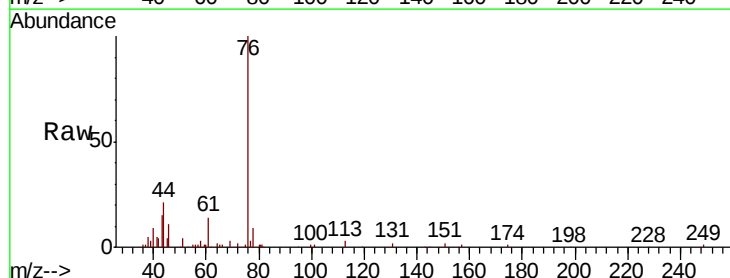
Manual Integrations
APPROVED

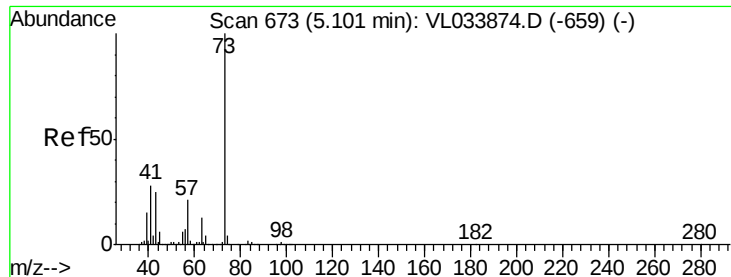
MMDadoda
6/17/2019 12:37:08 AM



#27
Carbon Disulfide
Concen: 0.639 ppbv
RT: 4.61 min Scan# 520
Delta R.T. -0.00 min
Lab File: VL033905.D
Acq: 13 Jun 2019 20:06

Tgt Ion	Ion	Ratio	Lower	Upper
76	100			
44	31.4	14.4	21.6#	
78	10.9	7.5	11.3	





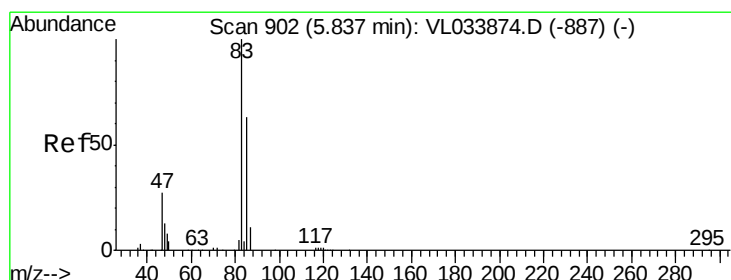
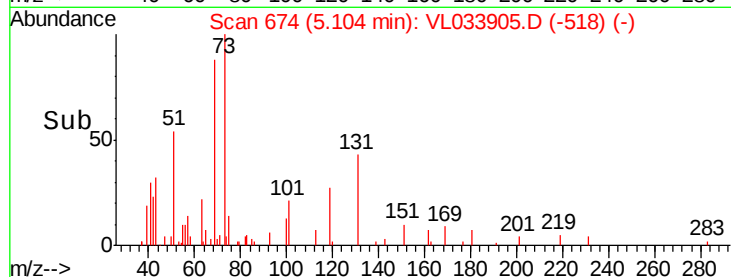
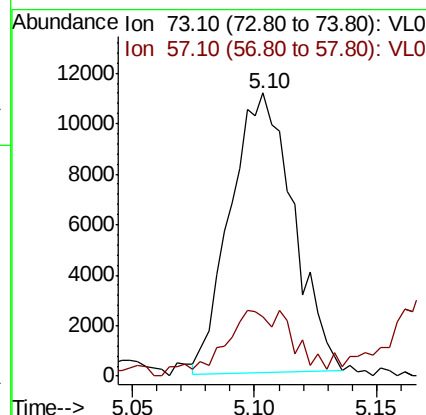
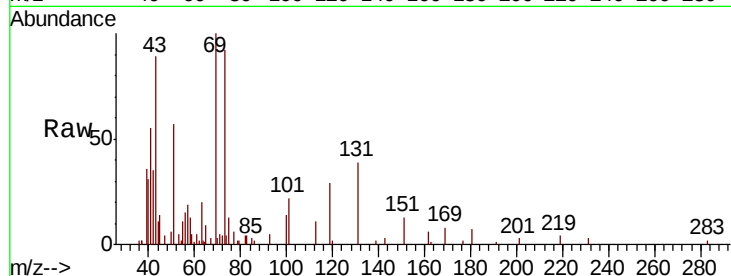
#28
Methvl tert-Butvl Ether
Concen: 0.149 ppbv
RT: 5.10 min Scan# 674
Delta R.T. 0.00 min
Lab File: VL033905.D
Acq: 13 Jun 2019 20:06

Instrument :
MSVOA_L
ClientSampleId :
SG-2R-20190612

Tot Ion: 73 Resp: 19906
Ion Ratio Lower Upper
73 100
57 0.0 17.2 25.8#

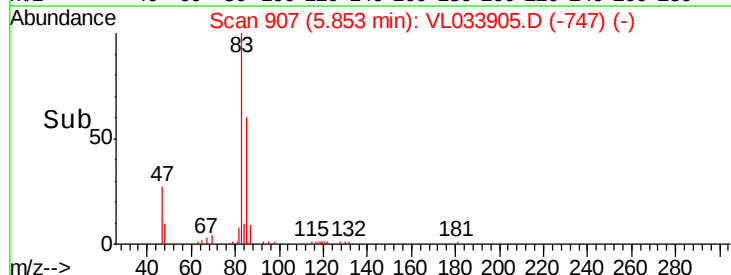
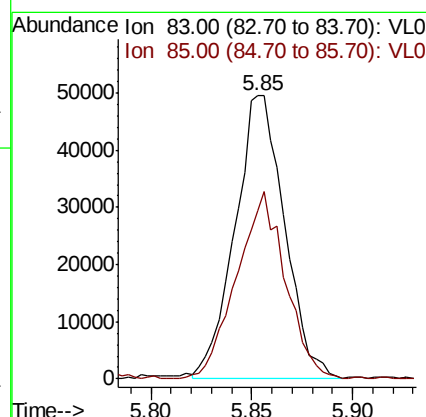
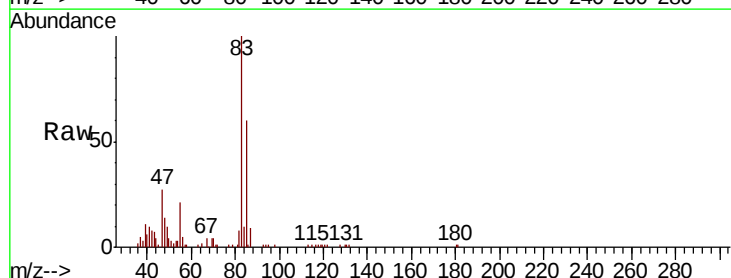
Manual Integrations
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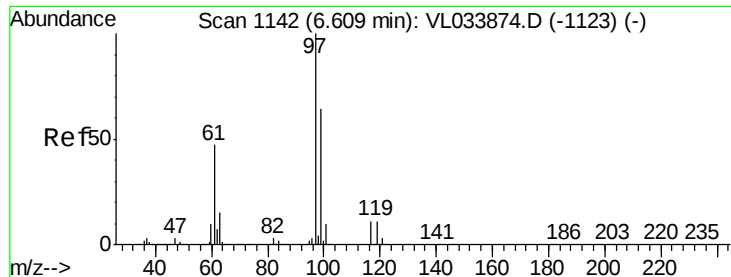
MMDadoda
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#29
Chloroform
Concen: 0.561 ppbv
RT: 5.85 min Scan# 907
Delta R.T. 0.02 min
Lab File: VL033905.D
Acq: 13 Jun 2019 20:06

Tgt Ion: 83 Resp: 84648
Ion Ratio Lower Upper
83 100
85 60.2 50.5 75.7





#32

1,1,1-Trichloroethane

Concen: 0.056 ppbv m

RT: 6.61 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VL033905.D

Acq: 13 Jun 2019 20:06

Instrument :

MSVOA_L

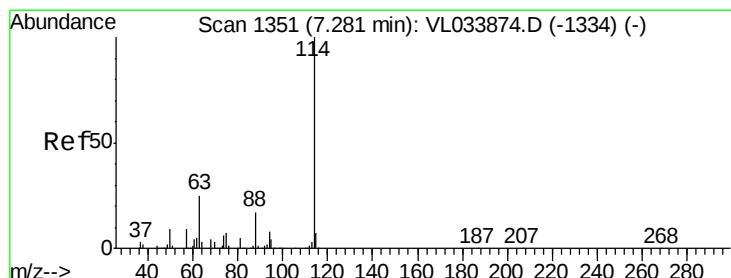
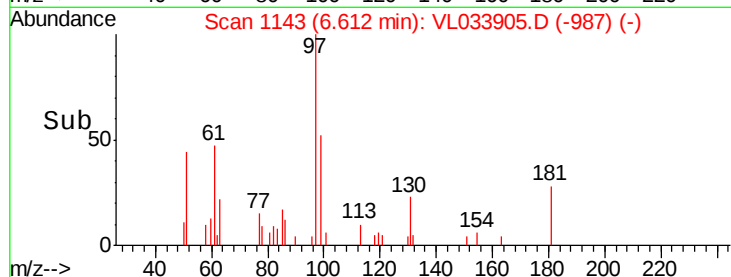
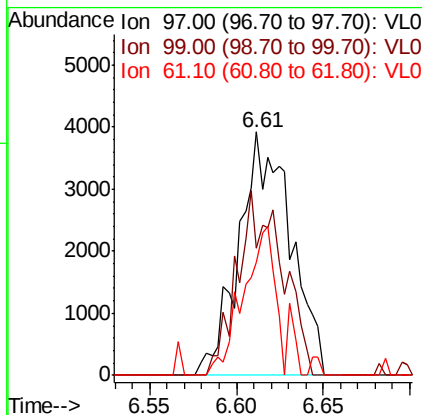
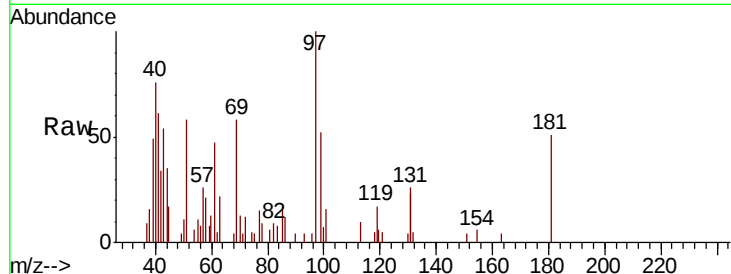
ClientSampleId :

SG-2R-20190612

Tot Ion:	97	Resp:	8120
Ion Ratio	Lower	Upper	
97	100		
99	0.0	51.7	77.5#
61	0.0	37.7	56.5#

Manual Integrations
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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

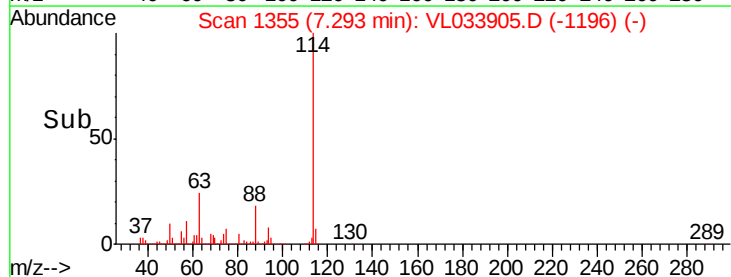
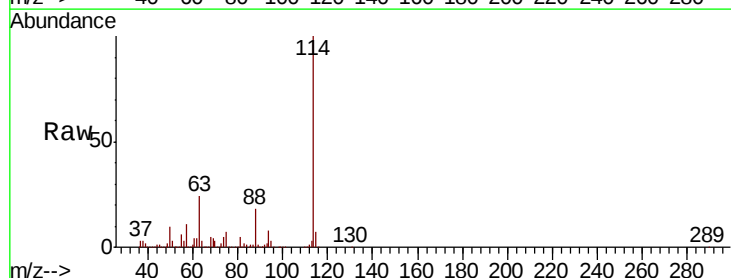
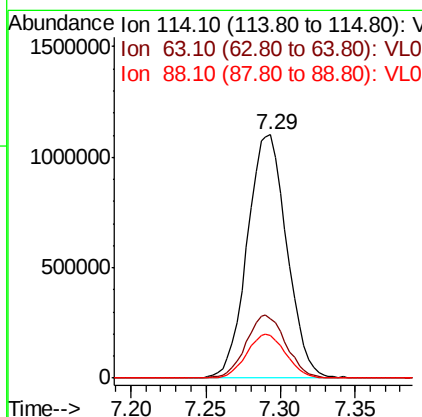
RT: 7.29 min Scan# 1355

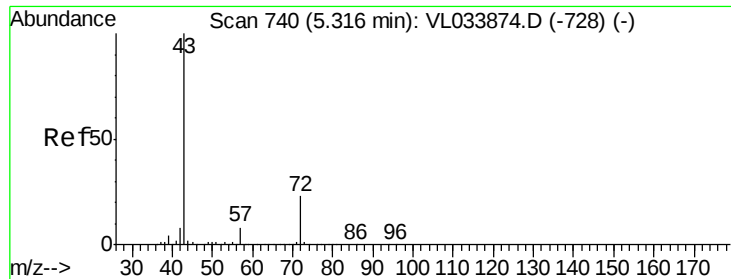
Delta R.T. 0.01 min

Lab File: VL033905.D

Acq: 13 Jun 2019 20:06

Tgt Ion:	114	Resp:	2026726
Ion Ratio	Lower	Upper	
114	100		
63	26.1	21.1	31.7
88	17.9	14.2	21.4





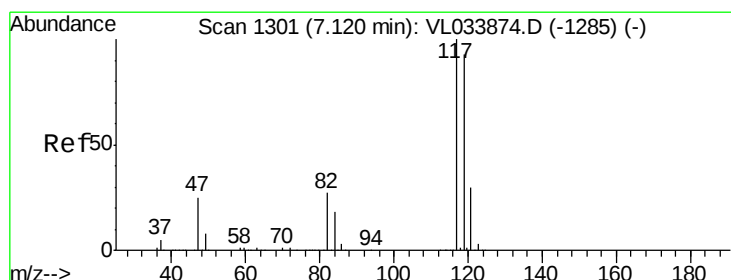
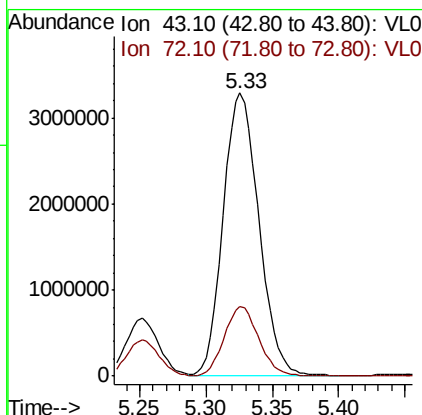
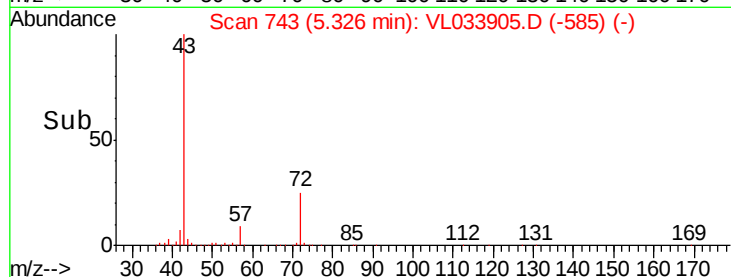
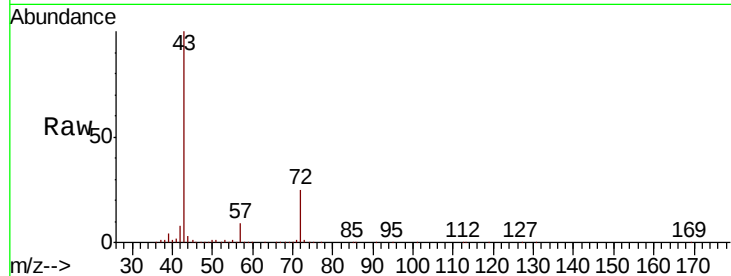
#34
2-Butanone
Concen: 53.586 ppbv
RT: 5.33 min Scan# 743
Delta R.T. 0.01 min
Lab File: VL033905.D
Acq: 13 Jun 2019 20:06

Instrument :
MSVOA_L
ClientSampleId :
SG-2R-20190612

Tot Ion: 43 Resp: 6126875
Ion Ratio Lower Upper
43 100
72 23.9 17.9 26.9

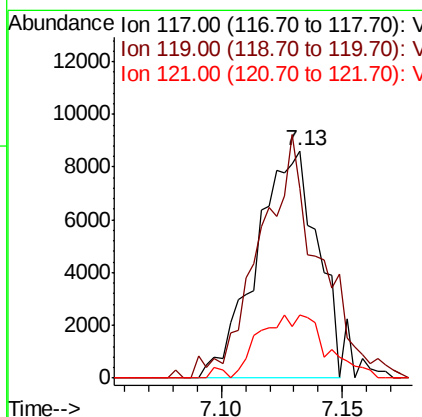
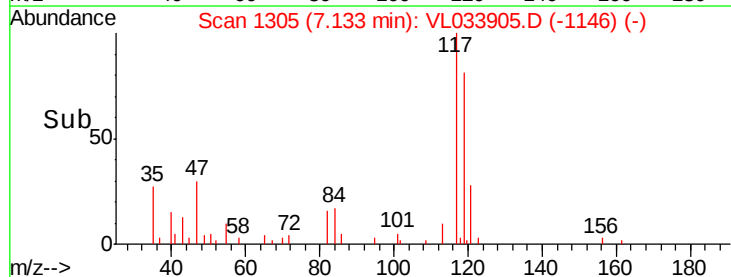
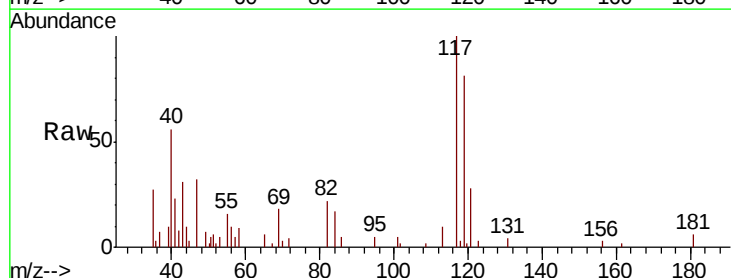
Manual Integrations
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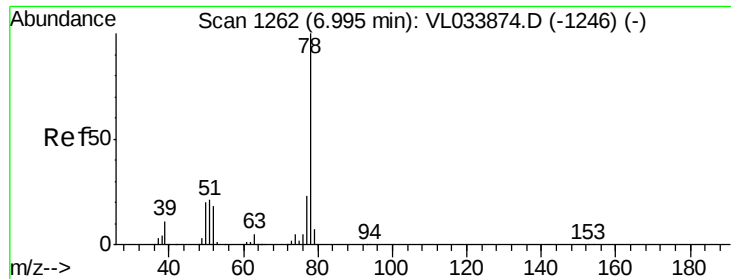
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#35
Carbon Tetrachloride
Concen: 0.096 ppbv m
RT: 7.13 min Scan# 1305
Delta R.T. 0.01 min
Lab File: VL033905.D
Acq: 13 Jun 2019 20:06

Tgt Ion: 117 Resp: 15096
Ion Ratio Lower Upper
117 100
119 80.8 74.6 111.8
121 27.7 24.0 36.0





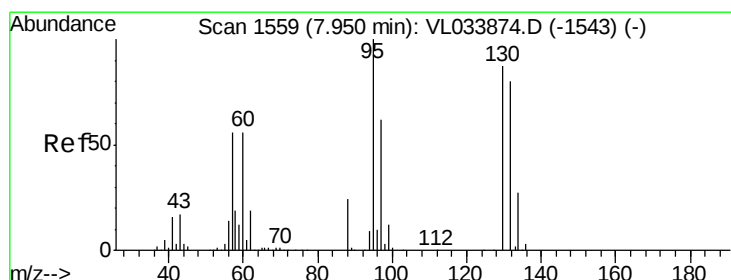
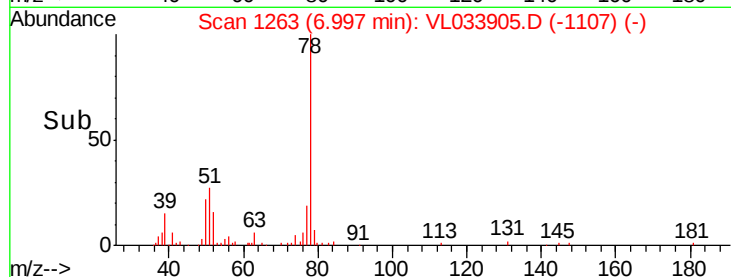
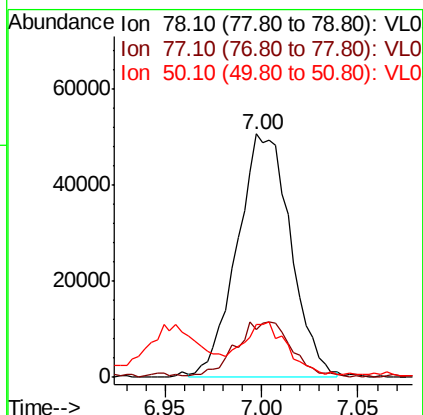
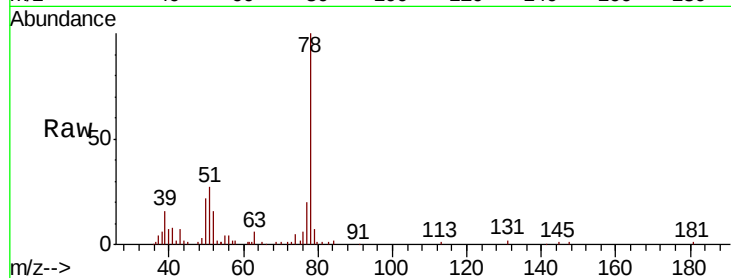
#36
Benzene
Concen: 0.628 ppbv m
RT: 7.00 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VL033905.D
Acq: 13 Jun 2019 20:06

Instrument :
MSVOA_L
ClientSampleId :
SG-2R-20190612

Tot Ion	Ratio	Lower	Upper
78	100		
77	19.6	18.2	27.2
50	21.9	15.9	23.9

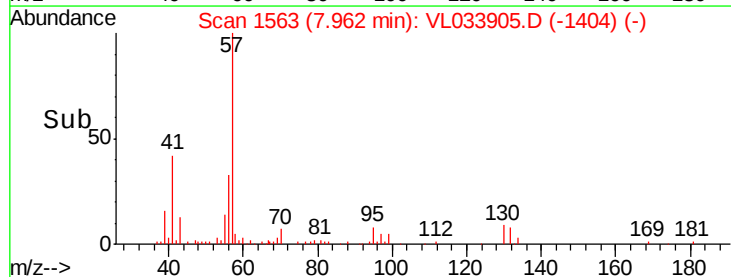
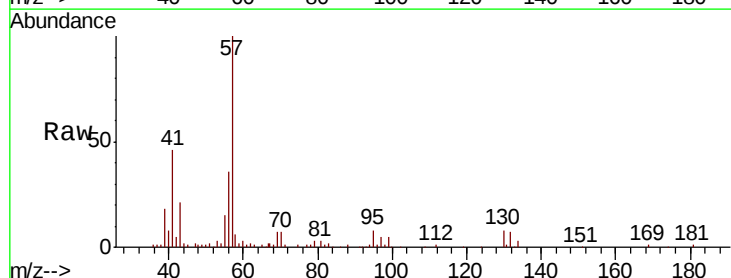
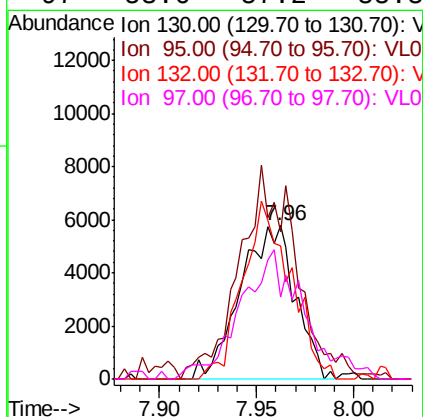
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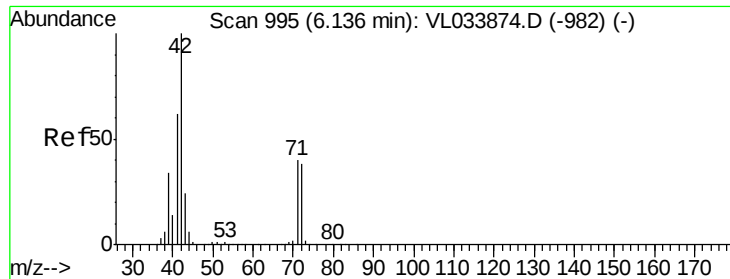
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#38
Trichloroethene
Concen: 0.190 ppbv m
RT: 7.96 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VL033905.D
Acq: 13 Jun 2019 20:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.5	92.0	138.0
132	86.9	73.8	110.8
97	53.6	57.2	85.8#





#41

Tetrahydrofuran

Concen: 6.564 ppbv

RT: 6.14 min Scan# 996

Delta R.T. 0.00 min

Lab File: VL033905.D

Acq: 13 Jun 2019 20:06

Instrument :

MSVOA_L

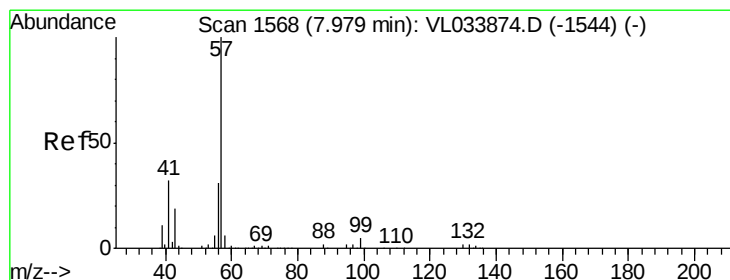
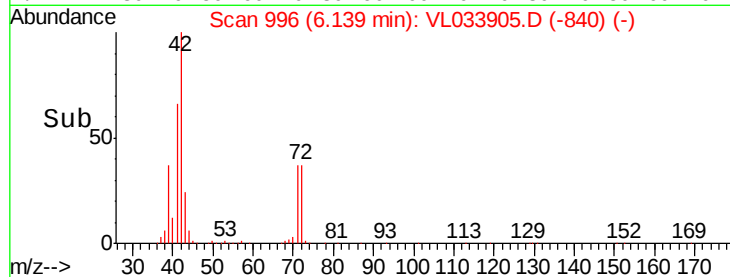
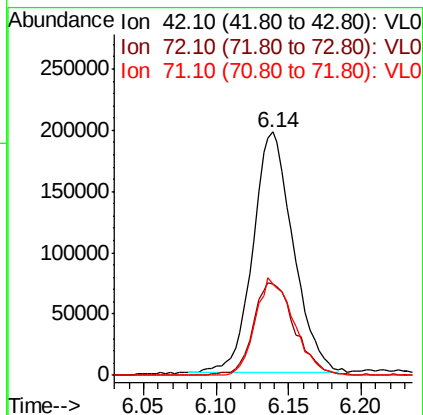
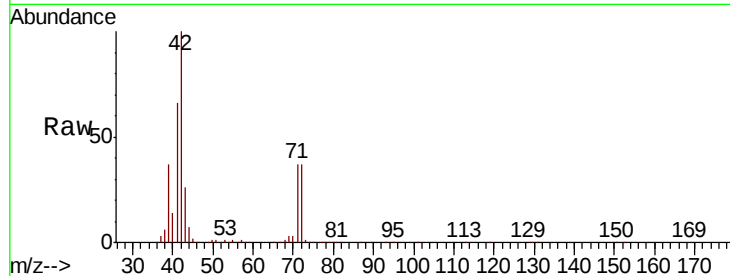
ClientSampleId :

SG-2R-20190612

Tot Ion:	42	Resp:	380941
Ion Ratio		Lower	Upper
42	100		
72	39.4	32.2	48.4
71	38.8	31.7	47.5

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#44

2,2,4-Trimethylpentane

Concen: 0.855 ppbv

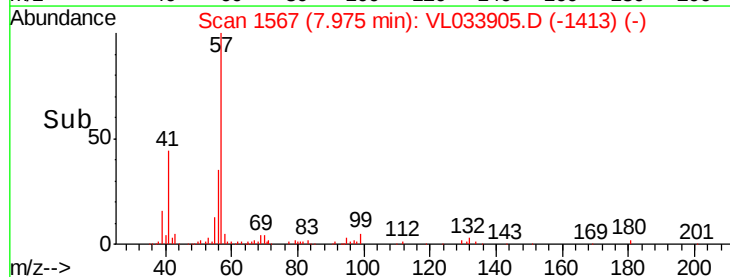
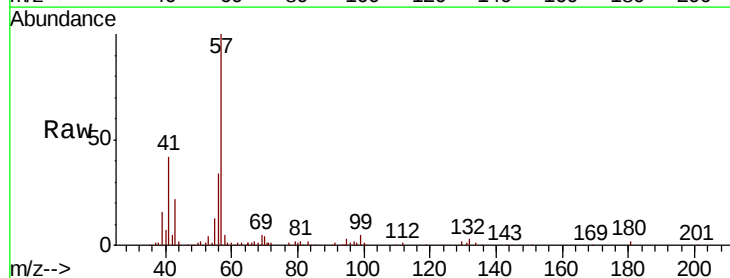
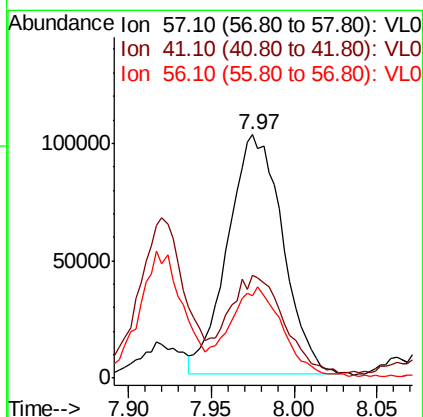
RT: 7.97 min Scan# 1567

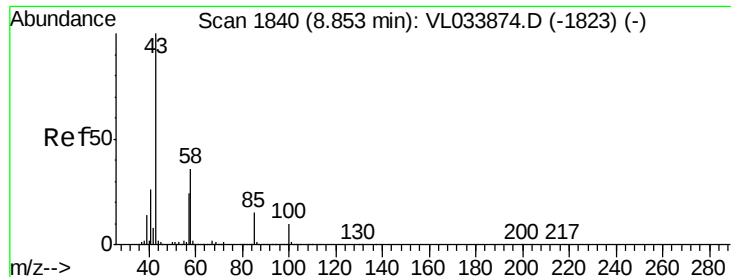
Delta R.T. -0.00 min

Lab File: VL033905.D

Acq: 13 Jun 2019 20:06

Tgt Ion:	57	Resp:	235342
Ion Ratio		Lower	Upper
57	100		
41	43.5	26.1	39.1#
56	36.5	24.6	36.8





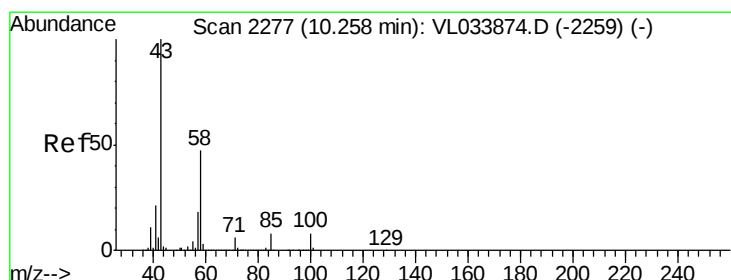
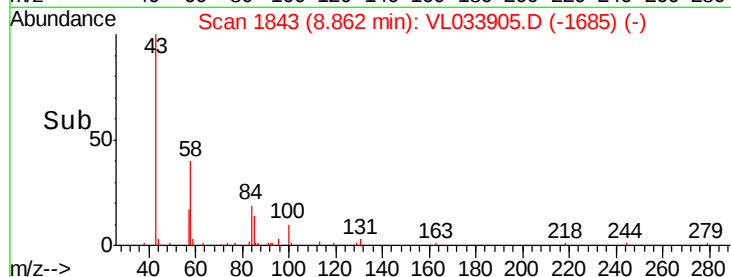
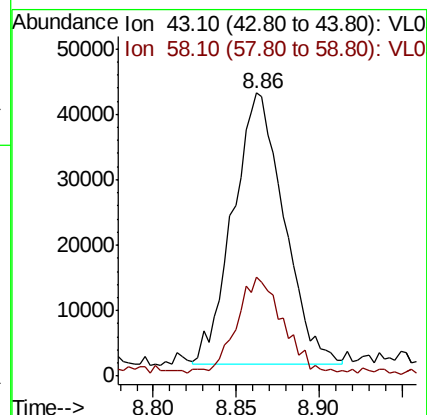
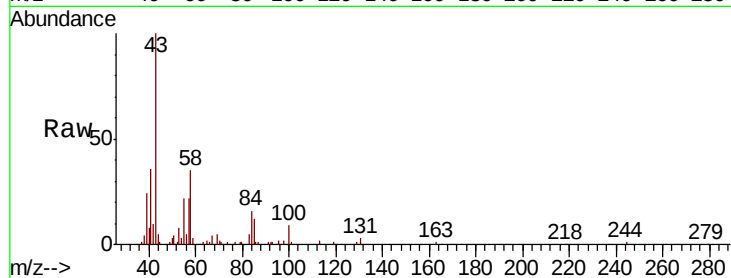
#50
4-Methyl-2-Pentanone
Concen: 0.519 ppbv
RT: 8.86 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VL033905.D
Acq: 13 Jun 2019 20:06

Instrument :
MSVOA_L
ClientSampleId :
SG-2R-20190612

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.4	28.6	42.8

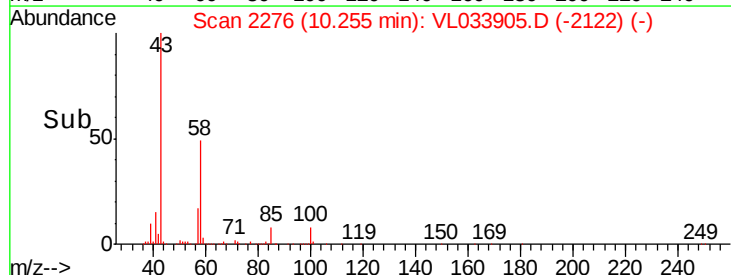
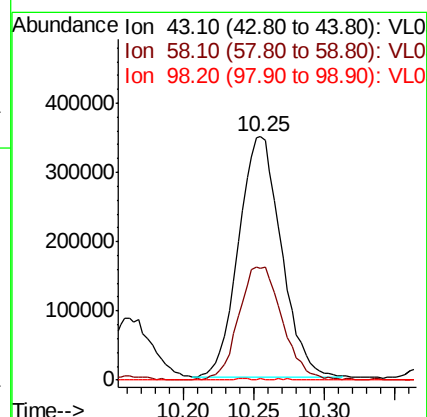
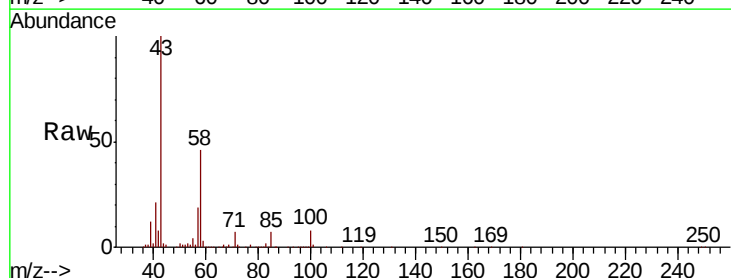
Manual Integrations
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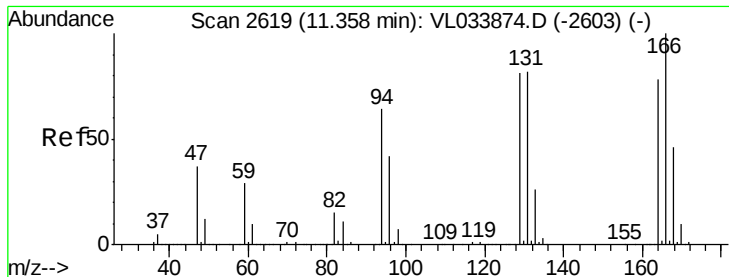
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#51
2-Hexanone
Concen: 5.549 ppbv
RT: 10.25 min Scan# 2276
Delta R.T. -0.00 min
Lab File: VL033905.D
Acq: 13 Jun 2019 20:06

Tgt Ion	Ratio	Lower	Upper
43	100		
58	48.2	38.2	57.4
98	0.4	0.2	0.2#





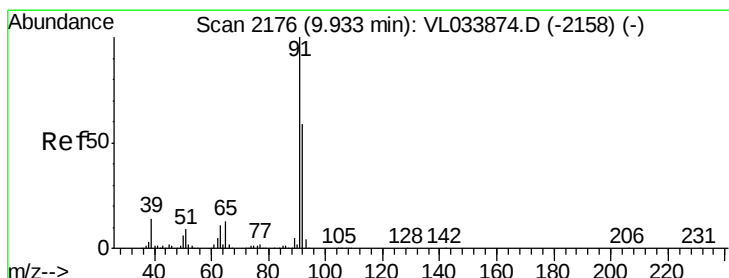
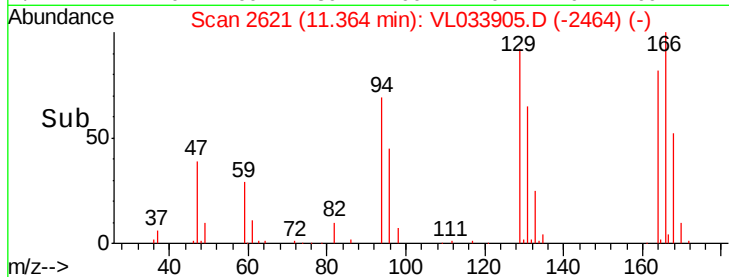
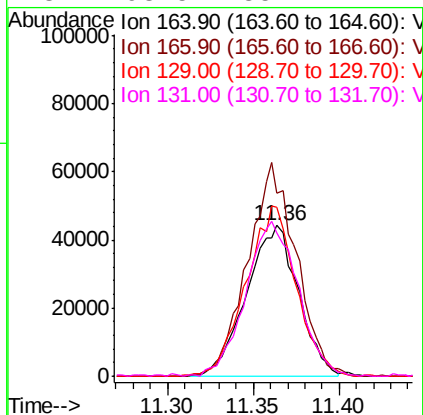
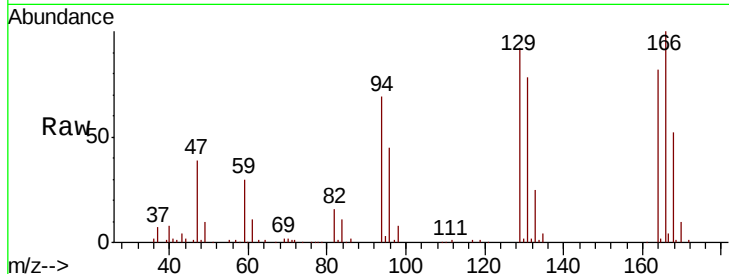
#52
Tetrachloroethene
Concen: 1.694 ppbv
RT: 11.36 min Scan# 2621
Delta R.T. 0.01 min
Lab File: VL033905.D
Acq: 13 Jun 2019 20:06

Instrument :
MSVOA_L
ClientSampleId :
SG-2R-20190612

Tot Ion	Ratio	Lower	Upper
164	100		
166	122.3	103.1	154.7
129	108.3	83.9	125.9
131	93.5	85.1	127.7

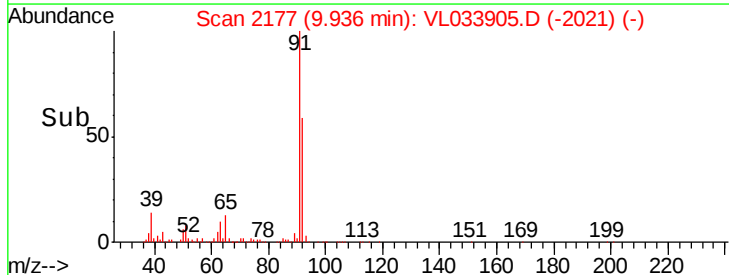
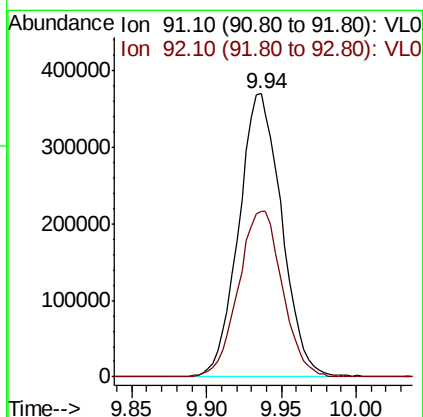
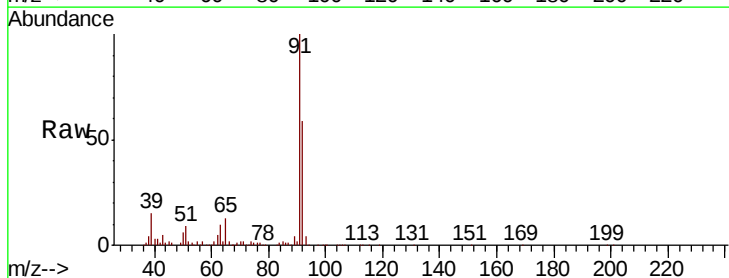
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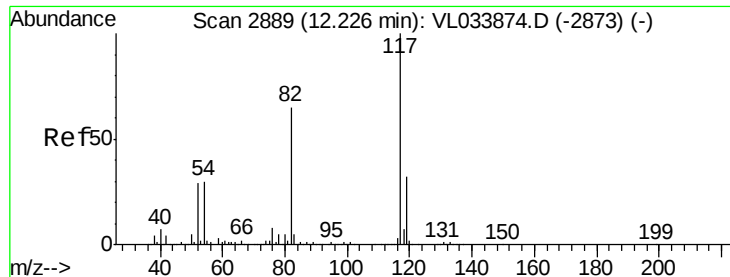
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#53
Toluene
Concen: 4.311 ppbv
RT: 9.94 min Scan# 2177
Delta R.T. 0.00 min
Lab File: VL033905.D
Acq: 13 Jun 2019 20:06

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.1	47.0	70.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2889

Delta R.T. -0.00 min

Lab File: VL033905.D

Acq: 13 Jun 2019 20:06

Instrument :

MSVOA_L

ClientSampleId :

SG-2R-20190612

Tot Ion:117 Resp: 2420760

Ion Ratio Lower Upper

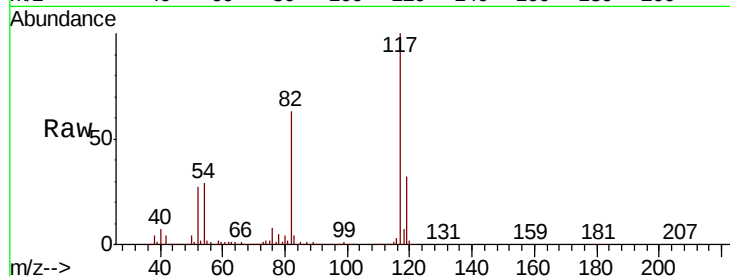
117 100

82 65.4 50.2 75.2

119 32.8 24.8 37.2

Manual Integrations
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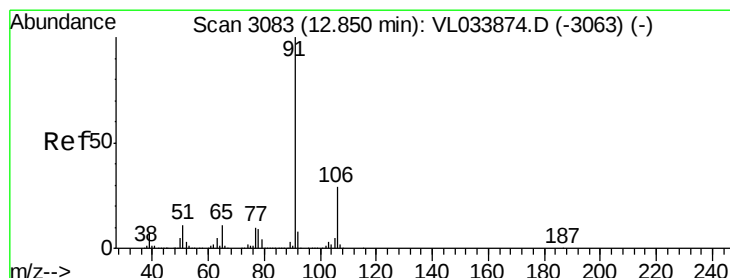
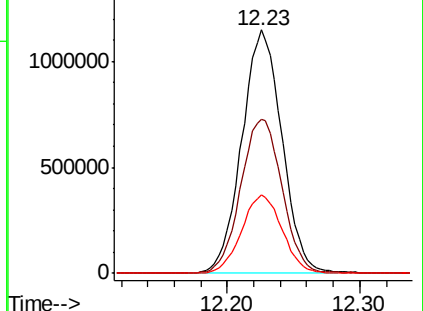
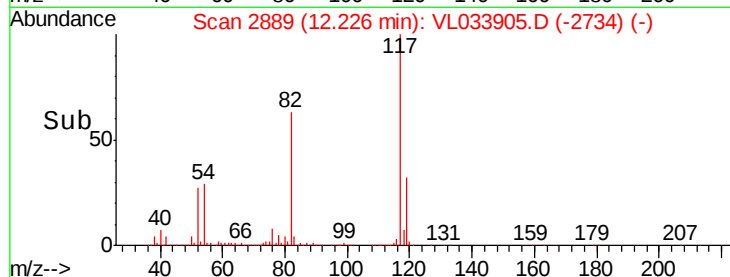
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#58

Ethyl Benzene

Concen: 0.375 ppbv

RT: 12.85 min Scan# 3084

Delta R.T. 0.00 min

Lab File: VL033905.D

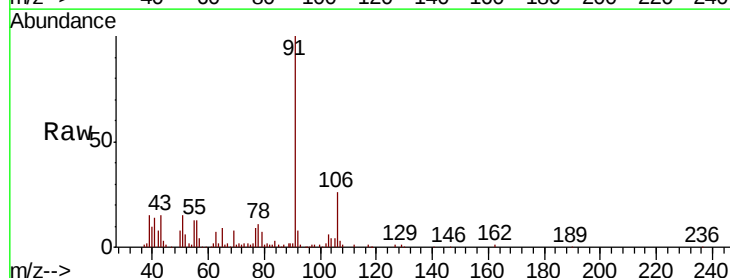
Acq: 13 Jun 2019 20:06

Tgt Ion: 91 Resp: 102305

Ion Ratio Lower Upper

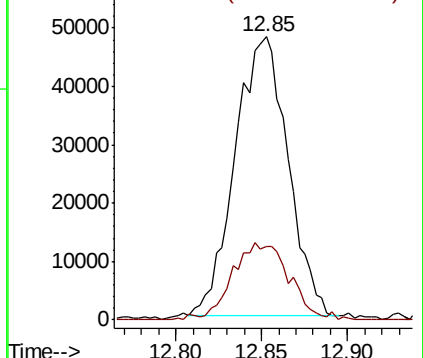
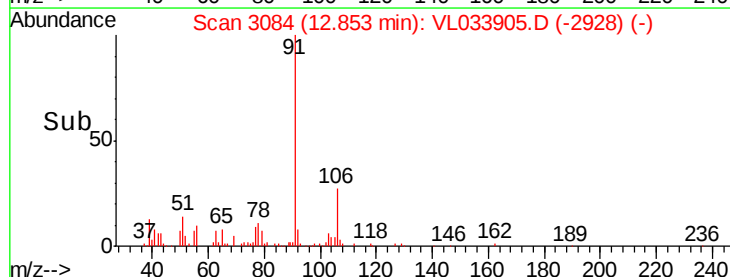
91 100

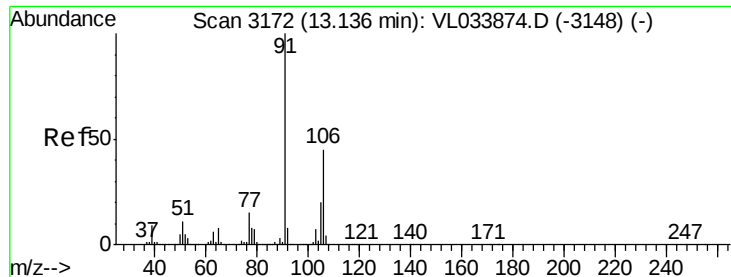
106 26.5 23.0 34.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





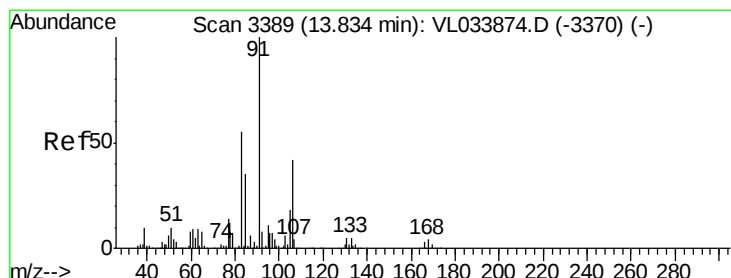
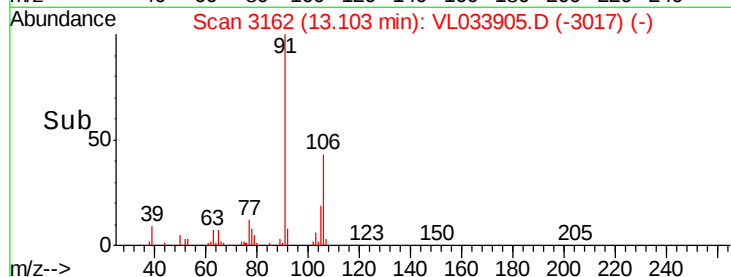
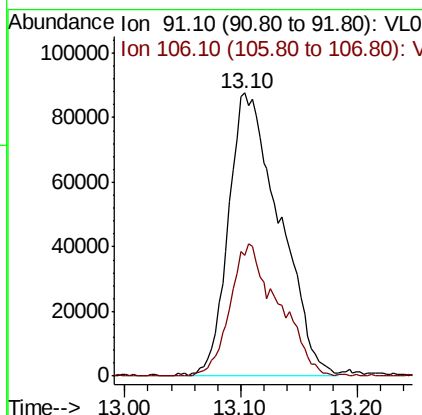
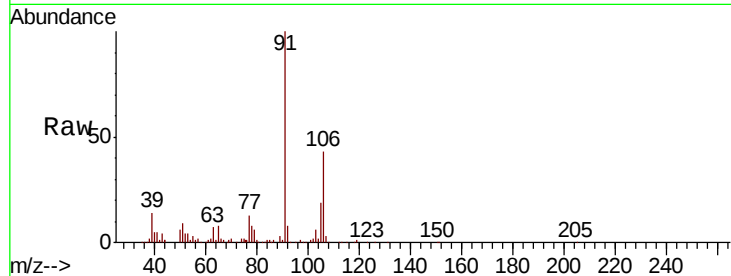
#59
m/p-Xylene
Concen: 1.075 ppbv
RT: 13.10 min Scan# 3162
Delta R.T. -0.03 min
Lab File: VL033905.D
Acq: 13 Jun 2019 20:06

Instrument :
MSVOA_L
ClientSampleId :
SG-2R-20190612

Tot Ion	Ratio	Lower	Upper
91	100		
106	44.9	35.8	53.8

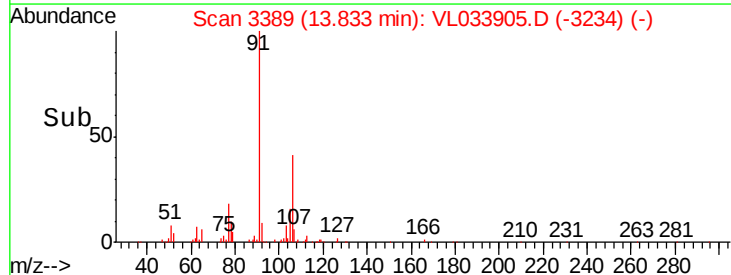
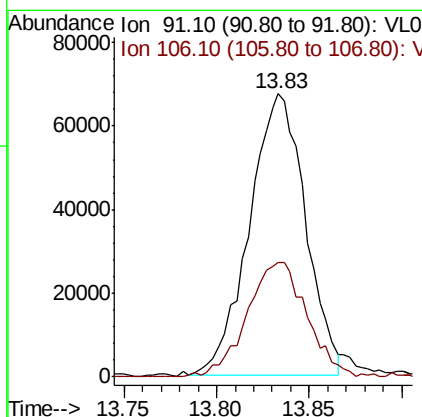
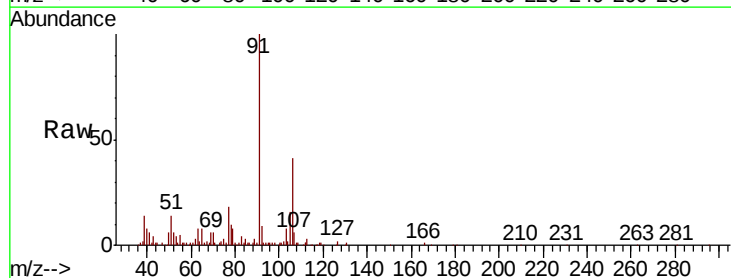
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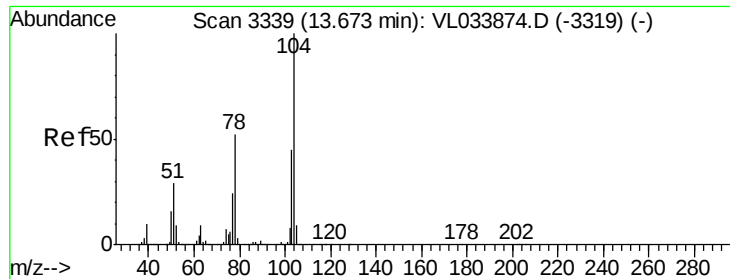
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#60
o-Xylene
Concen: 0.550 ppbv
RT: 13.83 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VL033905.D
Acq: 13 Jun 2019 20:06

Tgt Ion	Ratio	Lower	Upper
91	100		
106	44.1	21.7	65.1





#61

Stvrene

Concen: 0.348 ppbv m

RT: 13.67 min Scan# 3337

Delta R.T. -0.01 min

Lab File: VL033905.D

Acq: 13 Jun 2019 20:06

Instrument :

MSVOA_L

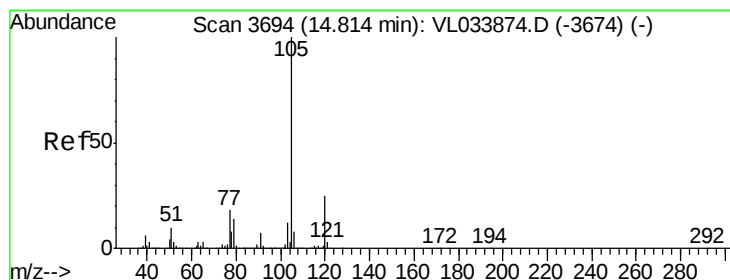
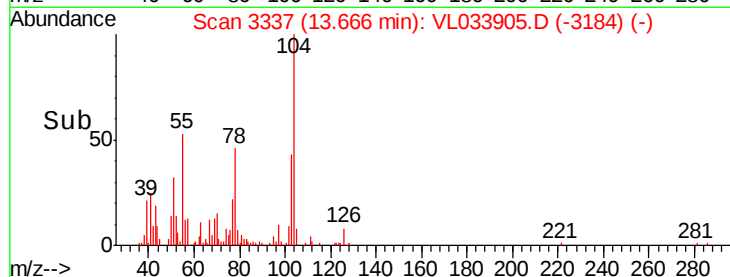
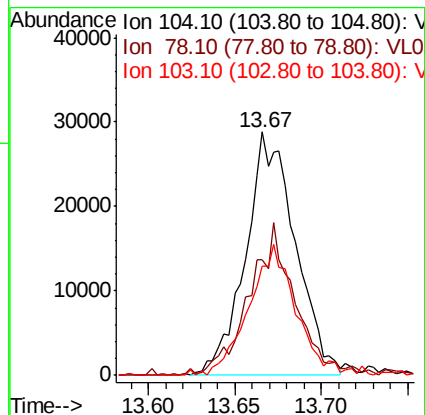
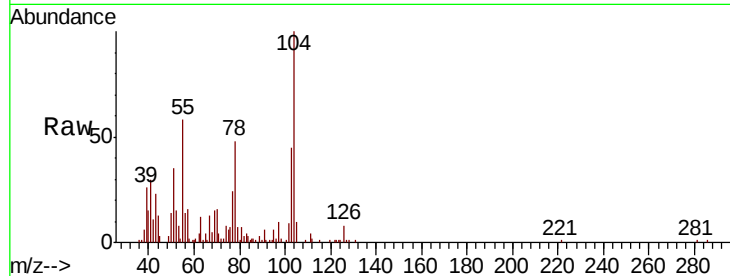
ClientSampleId :

SG-2R-20190612

Tot Ion:	104	Resp:	57687
Ion Ratio	Lower	Upper	
104	100		
78	58.6	43.4	65.0
103	52.5	37.6	56.4

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#62

Isopropylbenzene

Concen: 0.249 ppbv

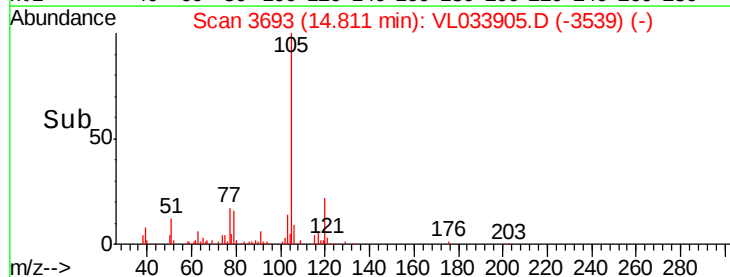
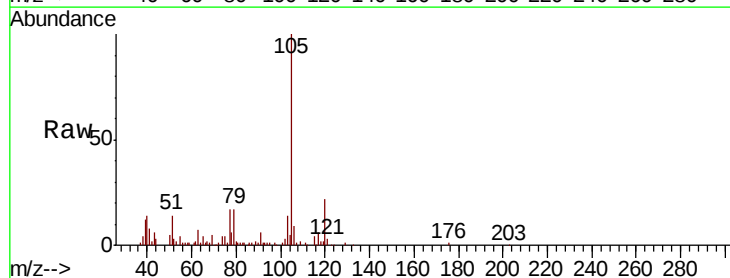
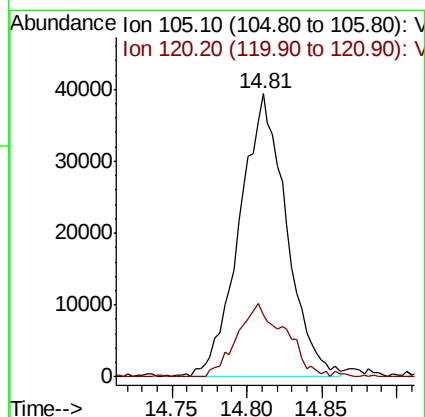
RT: 14.81 min Scan# 3693

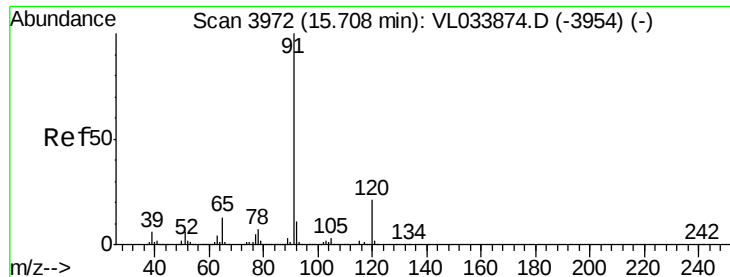
Delta R.T. -0.00 min

Lab File: VL033905.D

Acq: 13 Jun 2019 20:06

Tgt Ion:	105	Resp:	85993
Ion Ratio	Lower	Upper	
105	100		
120	27.0	20.3	30.5





#64

n-propylbenzene

Concen: 1.133 ppbv

RT: 15.70 min Scan# 3971

Delta R.T. -0.00 min

Lab File: VL033905.D

Acq: 13 Jun 2019 20:06

Instrument :

MSVOA_L

ClientSampleId :

SG-2R-20190612

Tot Ion:120 Resp: 100188

Ion Ratio Lower Upper

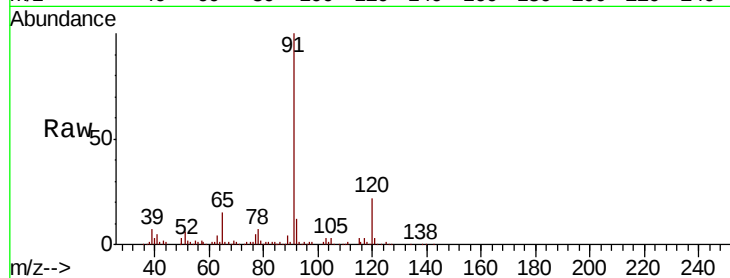
120 100

91 502.1 387.0 580.6

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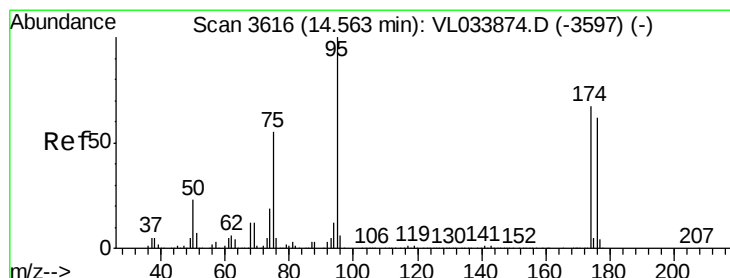
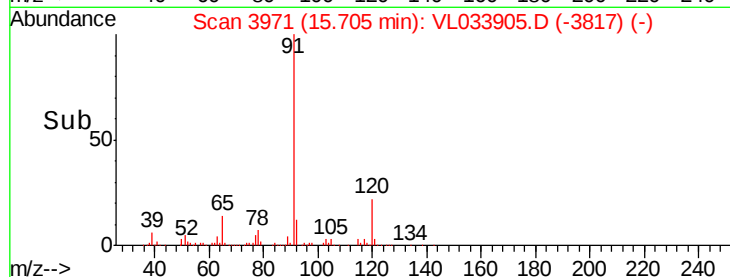
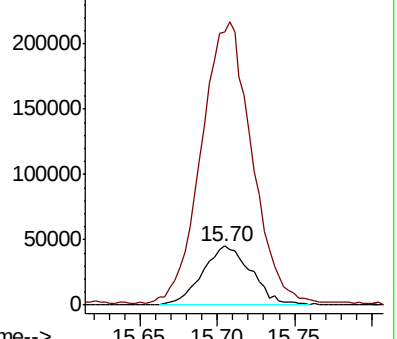
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Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#68

1-Bromo-4-Fluorobenzene

Concen: 9.460 ppbv

RT: 14.56 min Scan# 3616

Delta R.T. -0.00 min

Lab File: VL033905.D

Acq: 13 Jun 2019 20:06

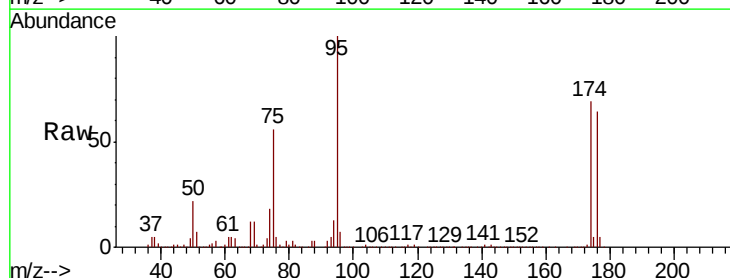
Tgt Ion: 95 Resp: 1881033

Ion Ratio Lower Upper

95 100

174 68.4 54.0 81.0

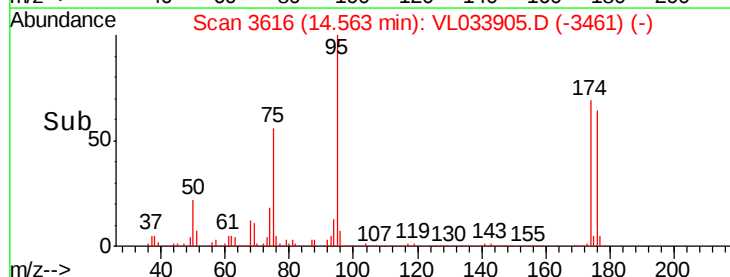
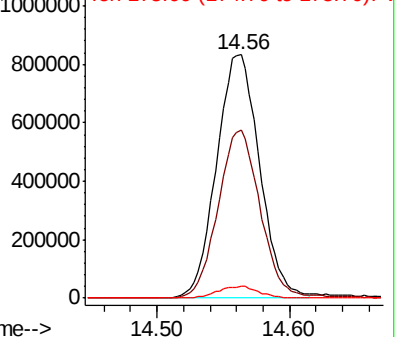
175 4.8 3.8 5.8

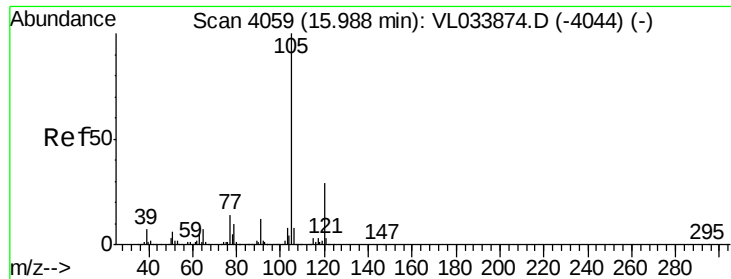


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#72

4-Ethyltoluene

Concen: 2.001 ppbv

RT: 15.99 min Scan# 4059

Delta R.T. -0.00 min

Lab File: VL033905.D

Acq: 13 Jun 2019 20:06

Instrument :

MSVOA_L

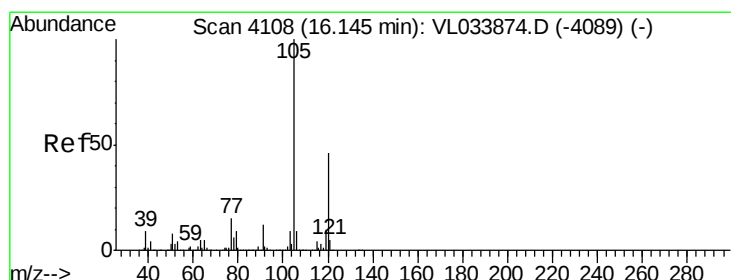
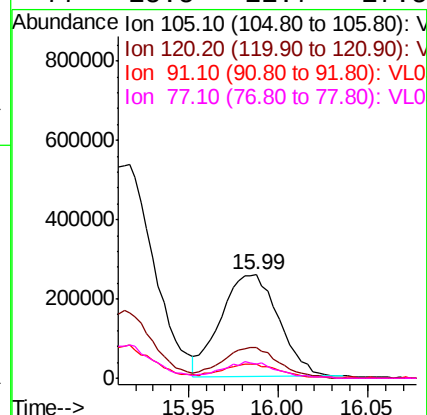
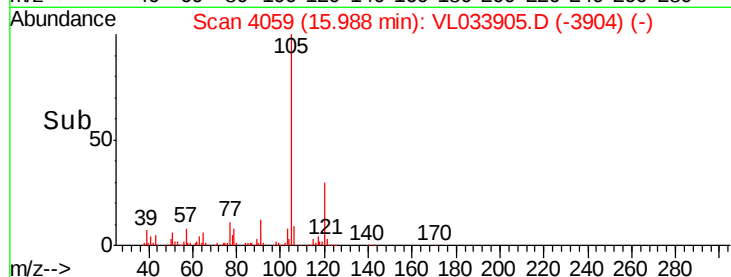
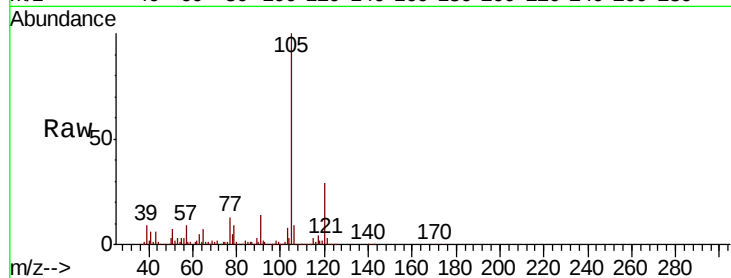
ClientSampleId :

SG-2R-20190612

Tot Ion:	105	Resp:	583375
Ion Ratio	Lower	Upper	
105	100		
120	29.6	23.5	35.3
91	15.5	10.4	15.6
77	15.5	11.7	17.5

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#73

1,3,5-Trimethylbenzene

Concen: 1.532 ppbv

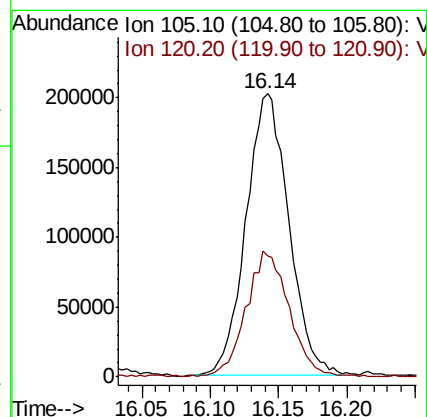
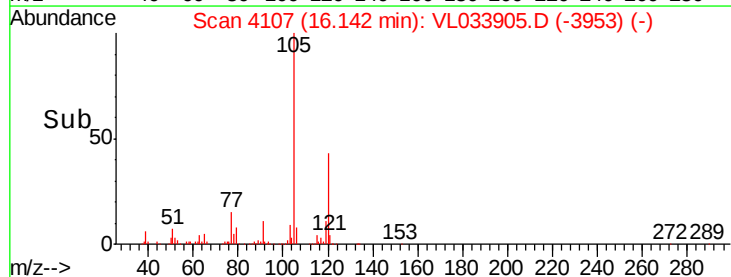
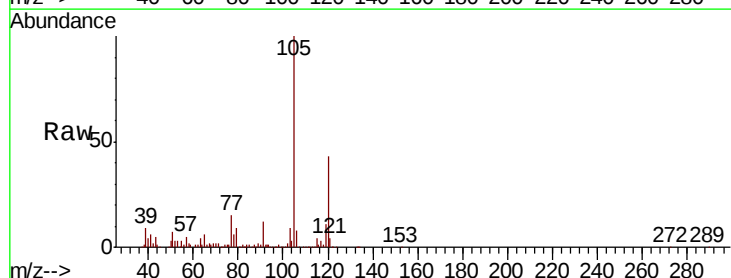
RT: 16.14 min Scan# 4107

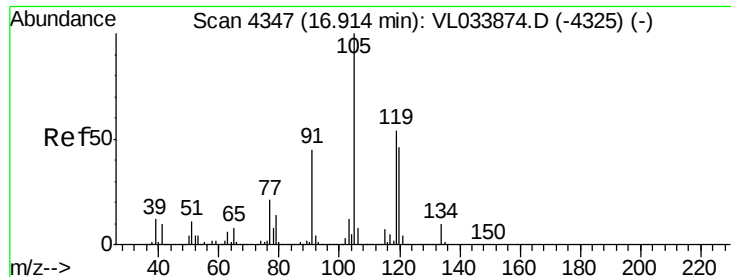
Delta R.T. -0.00 min

Lab File: VL033905.D

Acq: 13 Jun 2019 20:06

Tgt Ion:	105	Resp:	440074
Ion Ratio	Lower	Upper	
105	100		
120	42.4	37.1	55.7





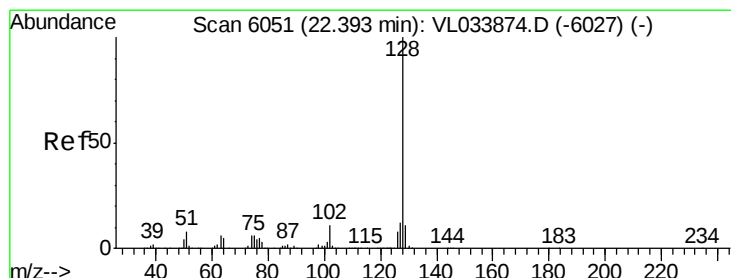
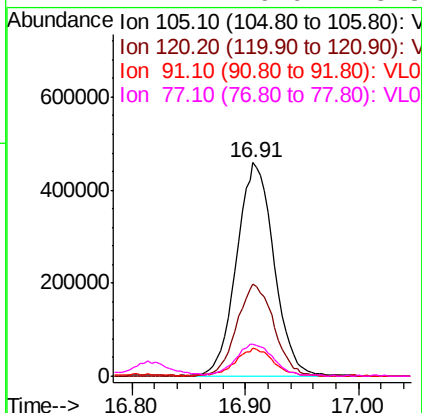
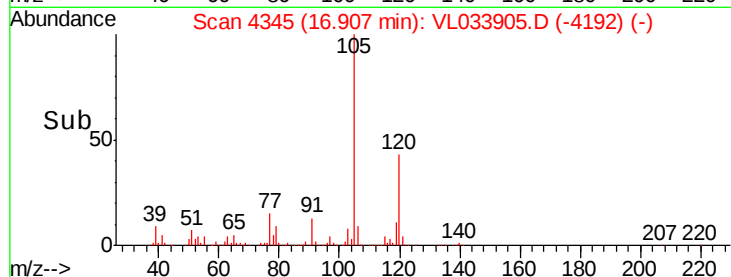
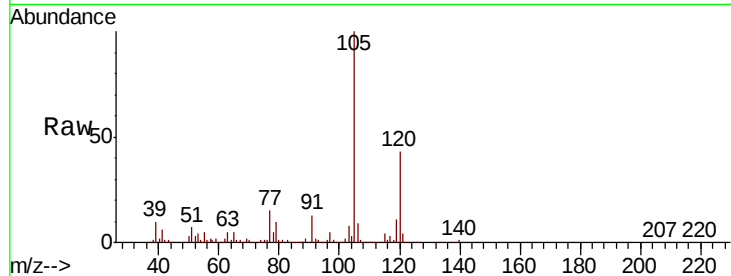
#74
 1,2,4-Trimethylbenzene
 Concen: 3.164 ppbv
 RT: 16.91 min Scan# 4345
 Delta R.T. -0.01 min
 Lab File: VL033905.D
 Acq: 13 Jun 2019 20:06

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2R-20190612

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.6	36.7	55.1
91	12.9	35.8	53.8#
77	14.7	16.9	25.3#

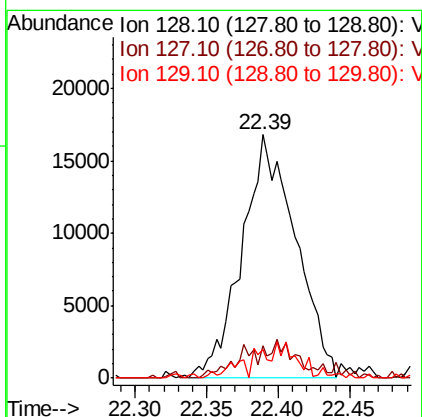
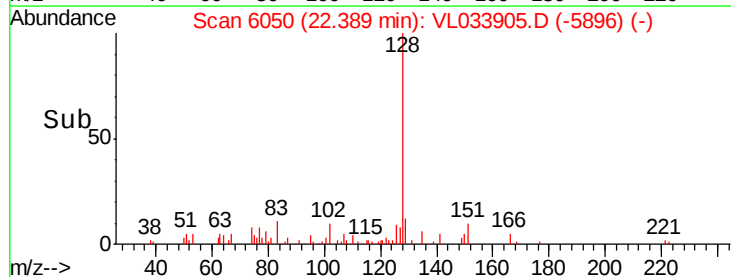
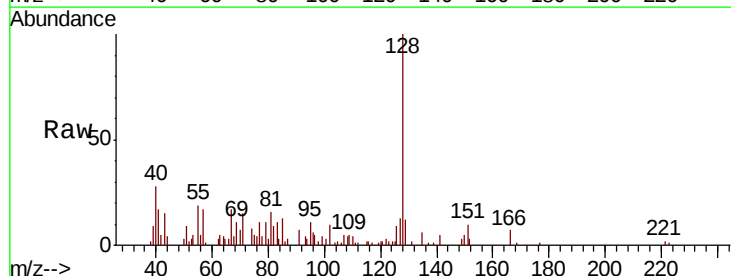
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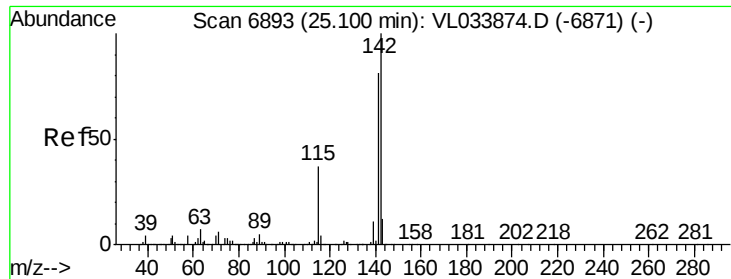
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#79
 Naphthalene
 Concen: 0.166 ppbv m
 RT: 22.39 min Scan# 6050
 Delta R.T. -0.00 min
 Lab File: VL033905.D
 Acq: 13 Jun 2019 20:06

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	9.7	14.5
129	11.7	8.6	12.8





#80
 Naphthalene, 2-methyl-
 Concen: 0.110 ppbv
 RT: 25.10 min Scan# 6893
 Delta R.T. -0.00 min
 Lab File: VL033905.D
 Acq: 13 Jun 2019 20:06

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2R-20190612

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.8	65.7	98.5
115	50.1	28.9	43.3

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