

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052319\
 Data File : VL033773.D
 Acq On : 23 May 2019 14:46
 Operator : SY/AP
 Sample : K2929-07
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3002-55

Manual Integrations
 APPROVED

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 5/28/2019 2:53:22 AM

Quant Time: May 24 04:51:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 18 2019
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	906787	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2093645	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2025037	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1684077	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	41931	0.219	ppbv	92
3) Chlorodifluoromethane	3.01	51	21367m	0.206	ppbv	
4) Chloromethane	3.17	50	33558	0.565	ppbv	99
9) Propene	3.03	41	132770	3.005	ppbv	93
10) Heptane	8.24	43	127620	1.020	ppbv	98
11) Trichlorofluoromethane	4.00	101	42339	0.232	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.54	101	20012	0.157	ppbv	97
13) Ethanol	3.65	45	251360	17.603	ppbv	96
15) Acetone	3.89	43	15144698	120.376	ppbv #	82
17) tert-Butyl alcohol	4.37	59	37807	0.372	ppbv #	72
19) Isopropyl Alcohol	4.03	45	106681	1.315	ppbv #	94
20) Methylene Chloride	4.41	84	81409	1.681	ppbv	94
26) Hexane	5.77	57	380412	4.004	ppbv #	42
30) Cyclohexane	7.24	84	30619m	0.383	ppbv	
34) 2-Butanone	5.33	43	58941	0.454	ppbv	97
35) Carbon Tetrachloride	7.13	117	11316m	0.067	ppbv	
36) Benzene	7.00	78	182076	0.956	ppbv	97
38) Trichloroethene	7.95	130	2801m	0.040	ppbv	
44) 2,2,4-Trimethylpentane	7.98	57	209449	0.651	ppbv #	78
53) Toluene	9.94	91	1143859	5.568	ppbv	99
58) Ethyl Benzene	12.86	91	74553	0.278	ppbv	98
59) m/p-Xylene	13.11	91	260328	1.111	ppbv	100
60) o-Xylene	13.84	91	74676m	0.316	ppbv	
74) 1,2,4-Trimethylbenzene	16.91	105	50011m	0.174	ppbv	

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

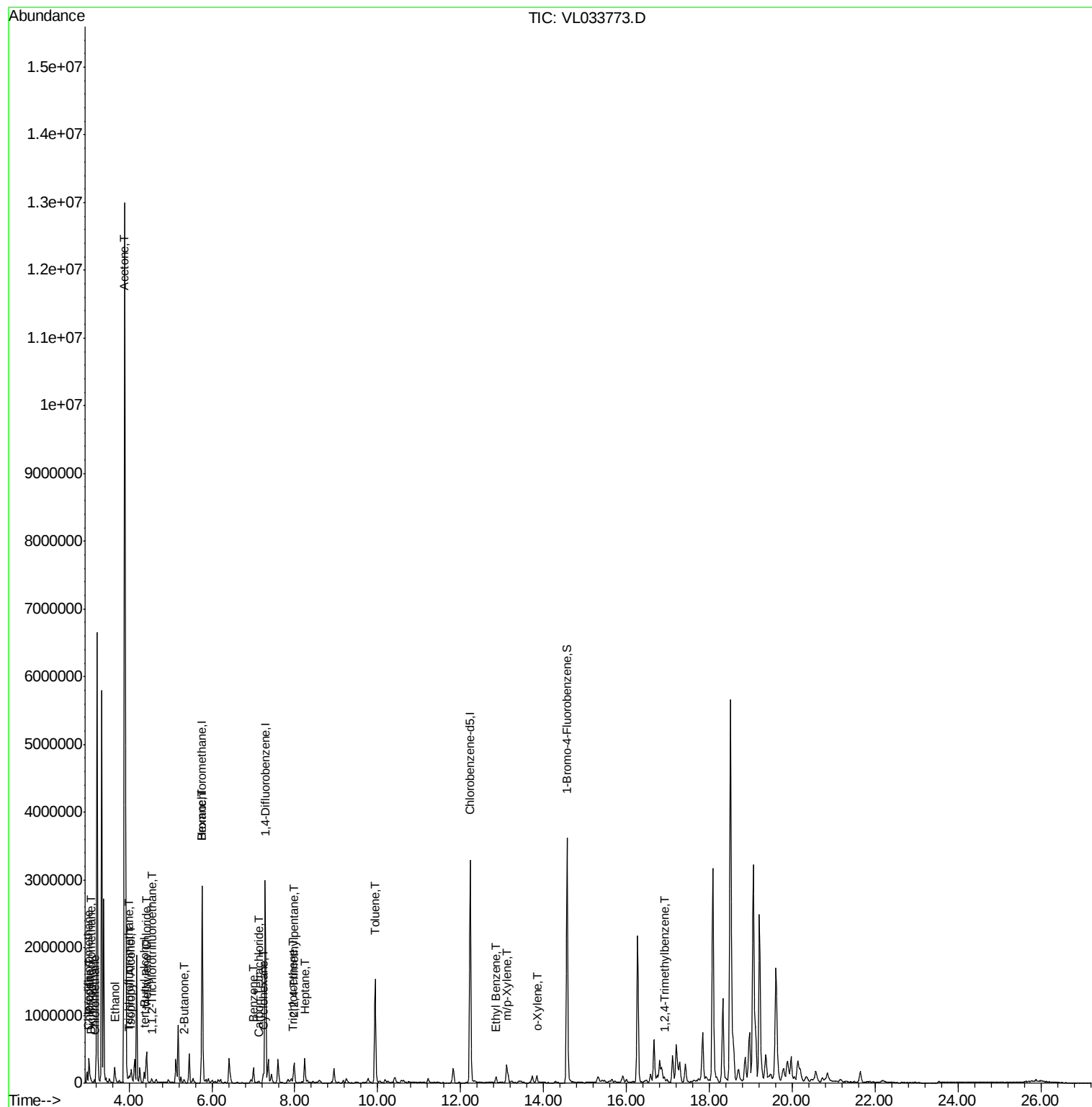
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052319\
Data File : VL033773.D
Acq On : 23 May 2019 14:46
Operator : SY/AP
Sample : K2929-07
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

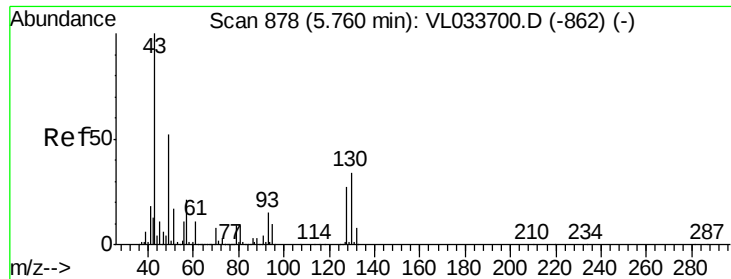
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3002-55

Manual Integrations
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Quant Time: May 24 04:51:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

Lab File: VL033773.D

Acq: 23 May 2019 14:46

Instrument :

MSVOA_L

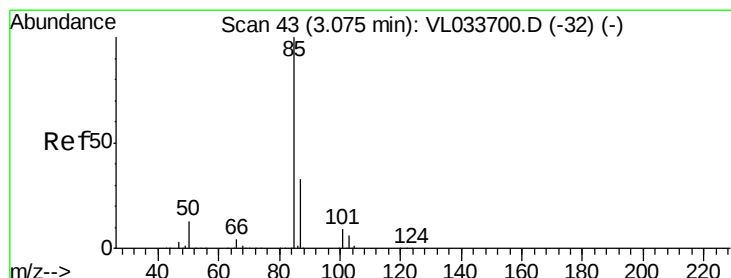
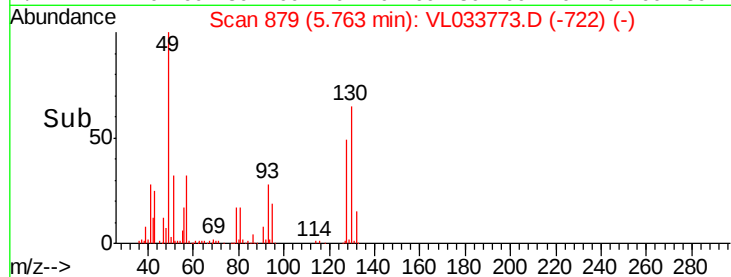
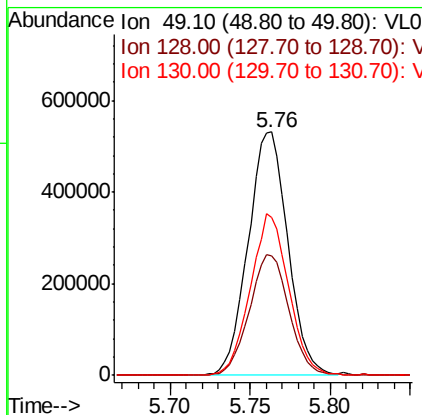
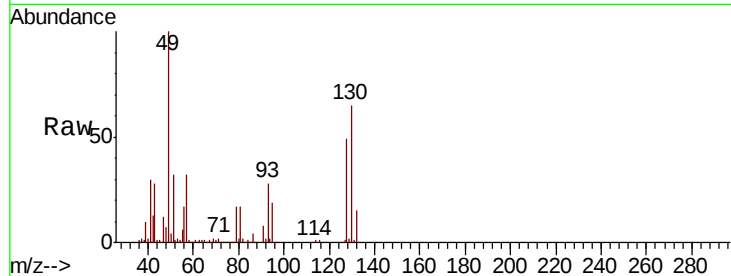
ClientSampleId :

BPS1-SG-3002-55

Tot Ion:	49	Resp:	906787
Ion	Ratio	Lower	Upper
49	100		
128	49.7	25.2	75.6
130	64.2	32.5	97.5

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#2

Dichlorodifluoromethane

Concen: 0.219 ppbv

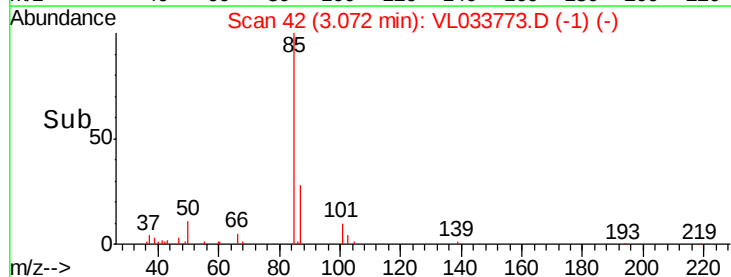
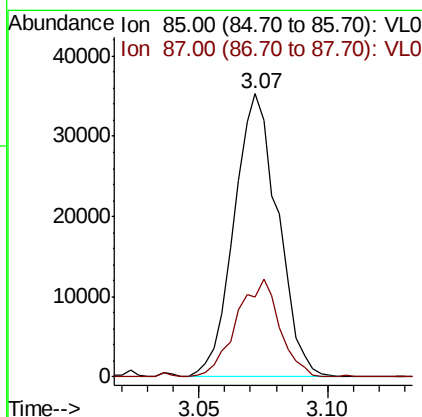
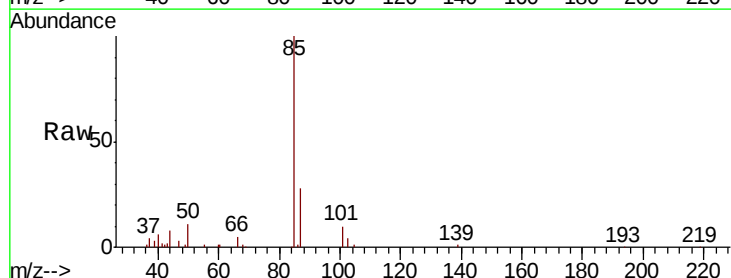
RT: 3.07 min Scan# 42

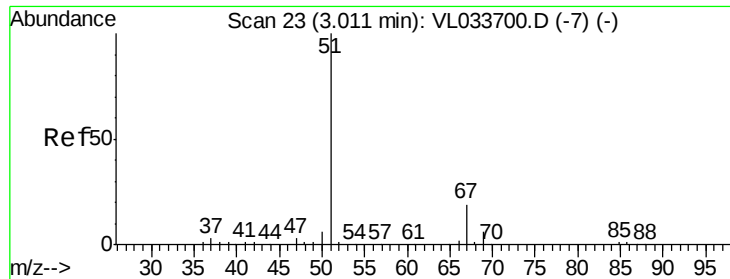
Delta R.T. -0.00 min

Lab File: VL033773.D

Acq: 23 May 2019 14:46

Tgt Ion:	85	Resp:	41931
Ion	Ratio	Lower	Upper
85	100		
87	28.3	26.3	39.5





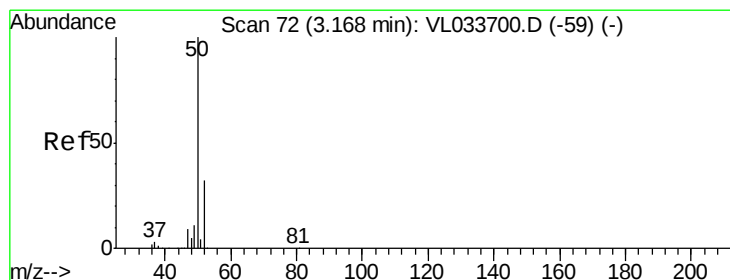
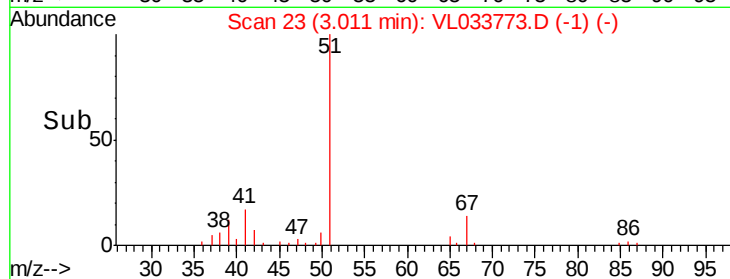
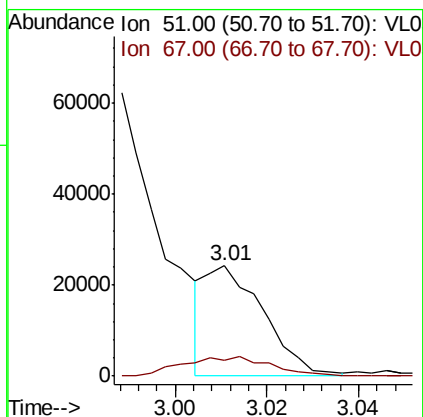
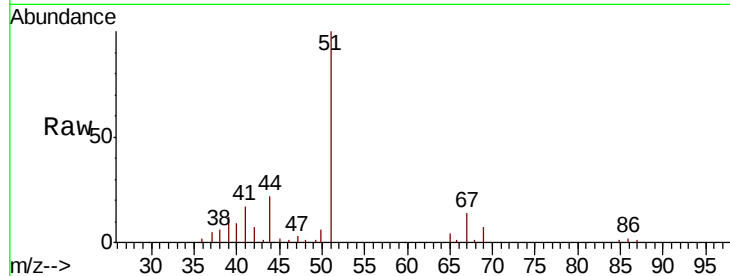
#3
Chlorodifluoromethane
Concen: 0.206 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033773.D
Acq: 23 May 2019 14:46

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3002-55

Tot Ion: 51 Resp: 21367
Ion Ratio Lower Upper
51 100
67 26.7 15.6 23.4#

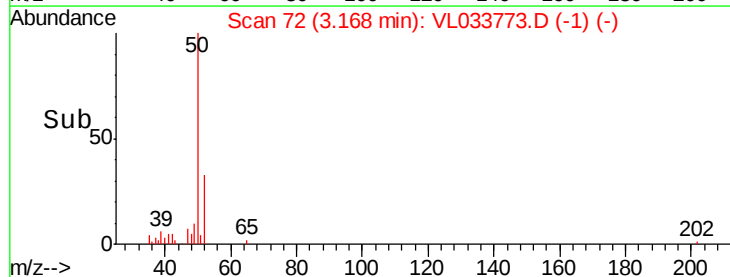
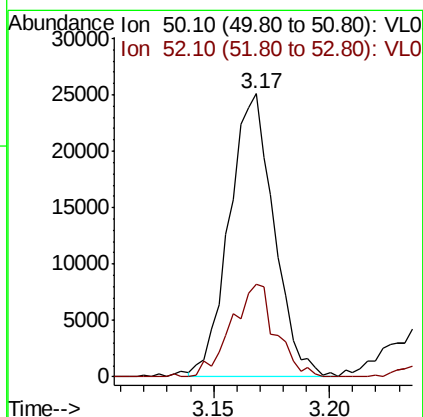
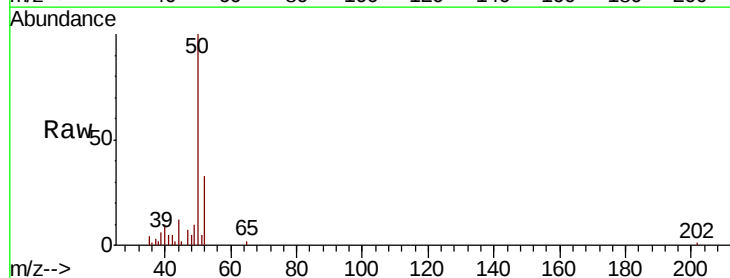
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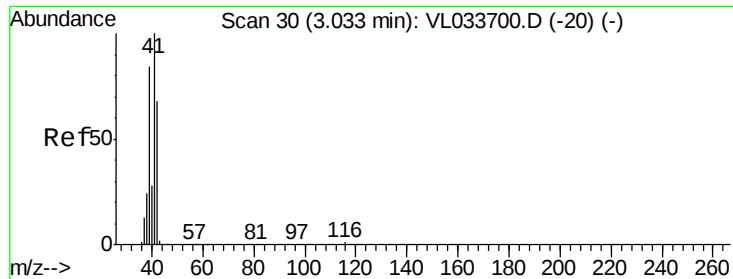
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#4
Chloromethane
Concen: 0.565 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL033773.D
Acq: 23 May 2019 14:46

Tgt Ion: 50 Resp: 33558
Ion Ratio Lower Upper
50 100
52 32.8 25.7 38.5





#9

Propene

Concen: 3.005 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033773.D

Acq: 23 May 2019 14:46

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3002-55

Tot Ion: 41 Resp: 132770

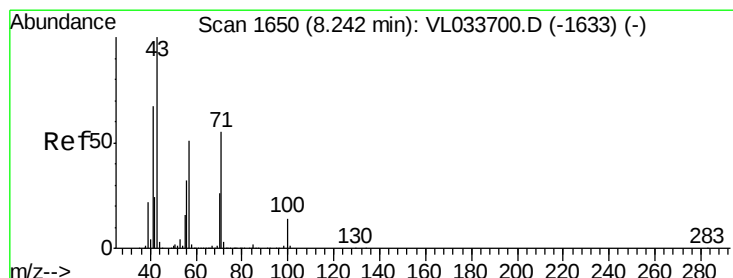
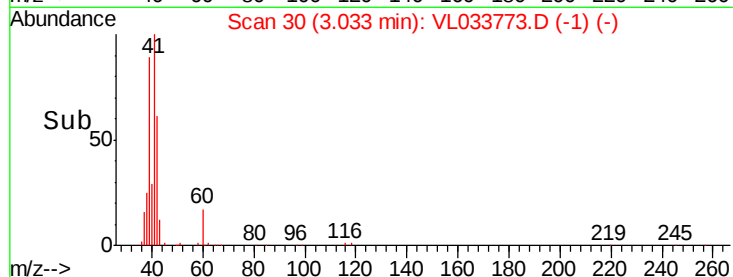
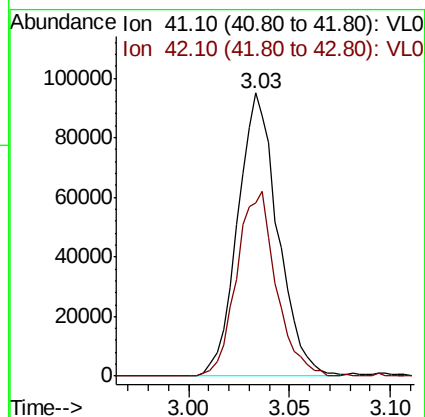
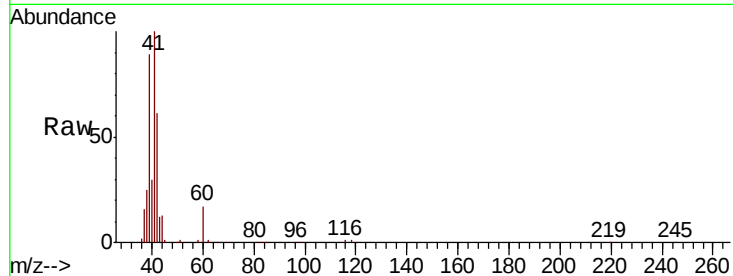
Ion Ratio Lower Upper

41 100

42 64.0 56.1 84.1

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#10

Heptane

Concen: 1.020 ppbv

RT: 8.24 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VL033773.D

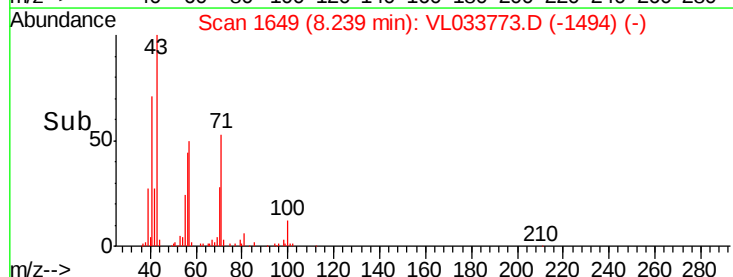
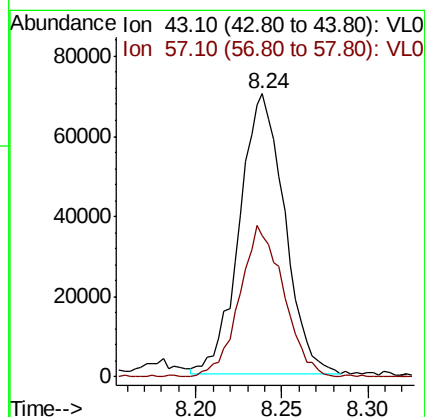
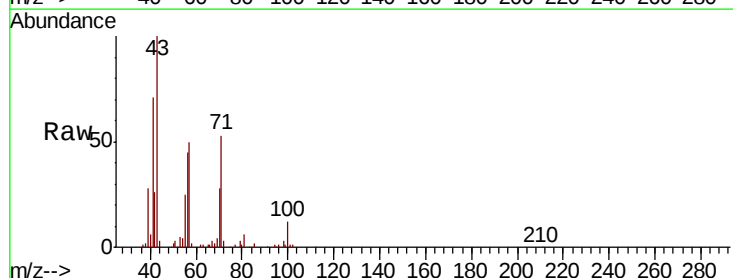
Acq: 23 May 2019 14:46

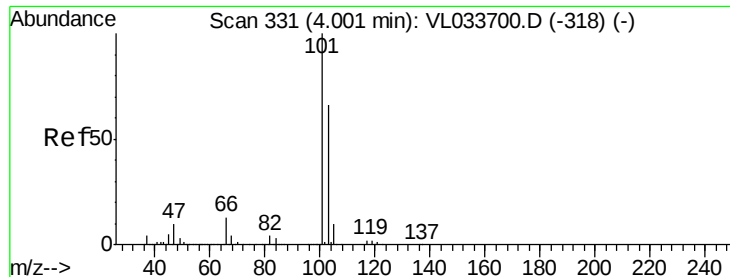
Tgt Ion: 43 Resp: 127620

Ion Ratio Lower Upper

43 100

57 53.3 41.4 62.0





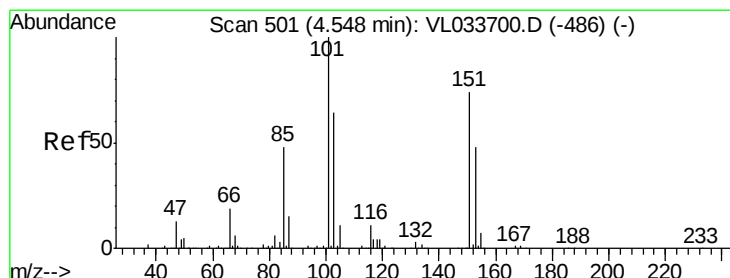
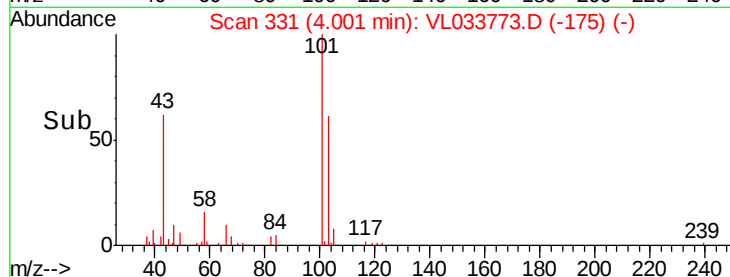
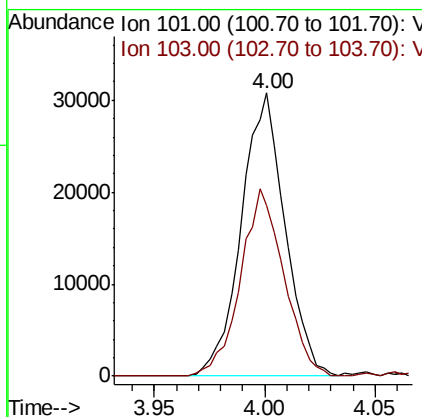
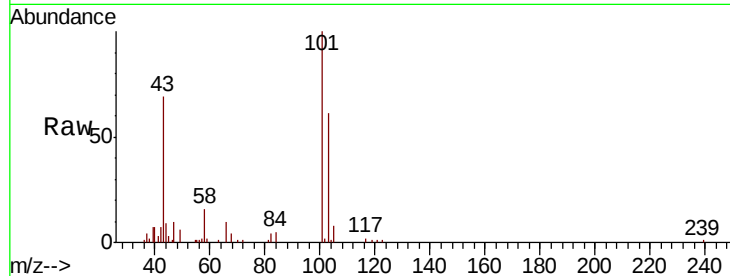
#11
 Trichlorofluoromethane
 Concen: 0.232 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. 0.00 min
 Lab File: VL033773.D
 Acq: 23 May 2019 14:46

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3002-55

Tot Ion:101 Resp: 42339
 Ion Ratio Lower Upper
 101 100
 103 60.5 52.6 78.8

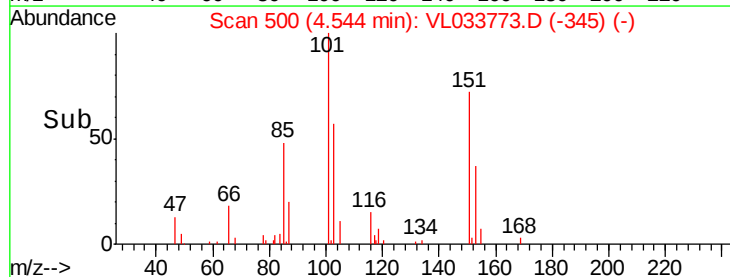
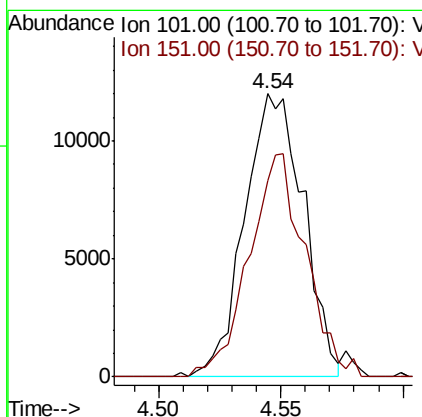
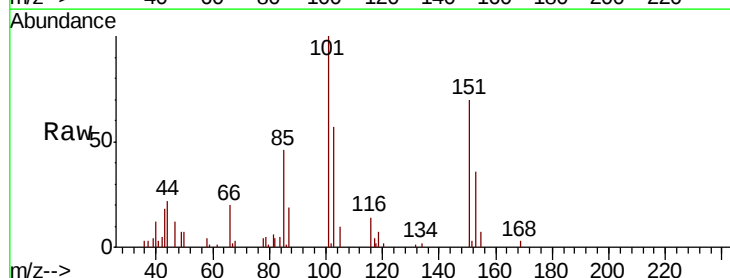
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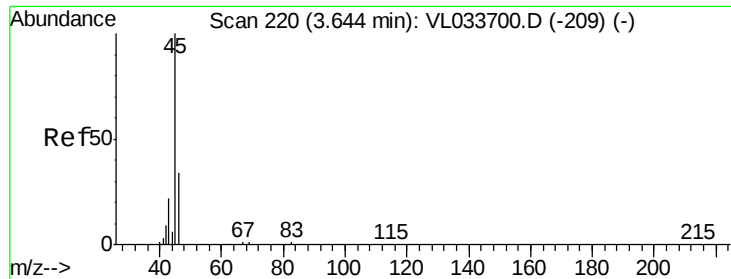
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.157 ppbv
 RT: 4.54 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VL033773.D
 Acq: 23 May 2019 14:46

Tgt Ion:101 Resp: 20012
 Ion Ratio Lower Upper
 101 100
 151 75.7 58.2 87.4





#13

Ethanol

Concen: 17.603 ppbv

RT: 3.65 min Scan# 222

Delta R.T. 0.01 min

Lab File: VL033773.D

Acq: 23 May 2019 14:46

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3002-55

Tot Ion: 45 Resp: 251360

Ion Ratio Lower Upper

45 100

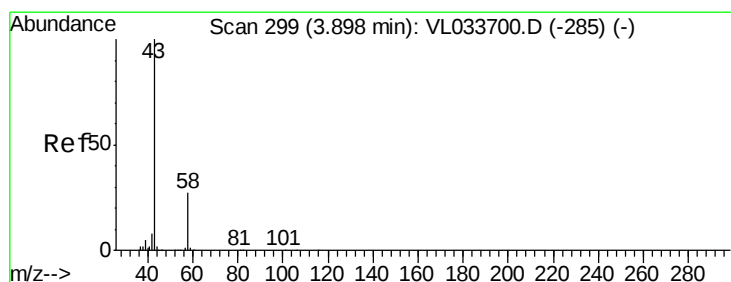
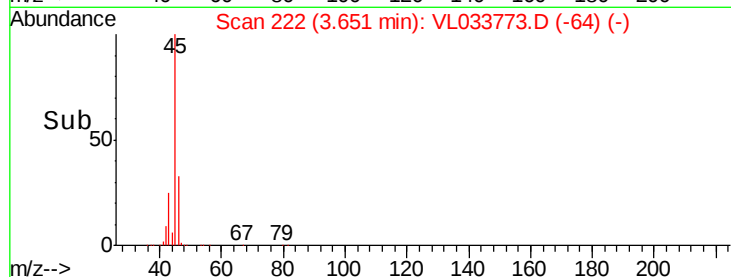
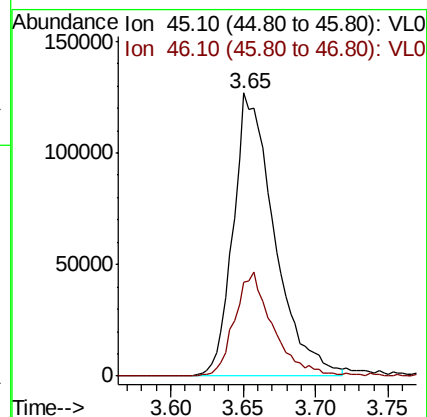
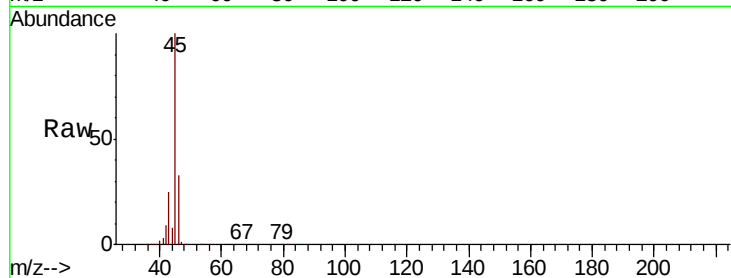
46 34.6 14.8 59.0

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#15

Acetone

Concen: 120.376 ppbv

RT: 3.89 min Scan# 297

Delta R.T. -0.01 min

Lab File: VL033773.D

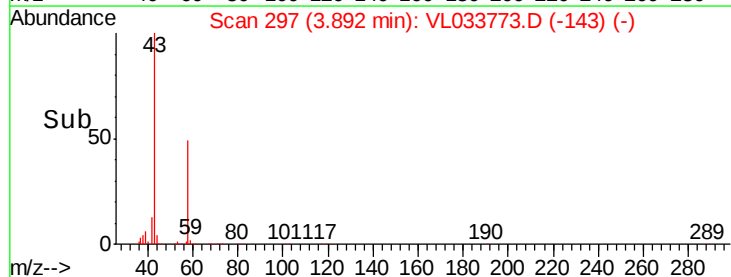
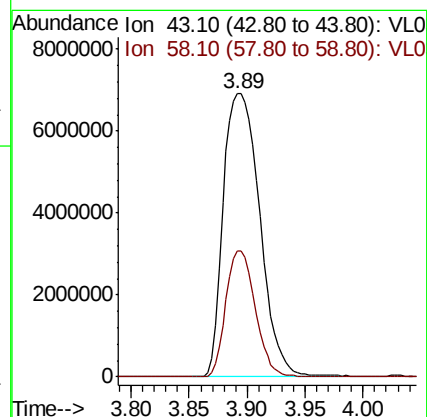
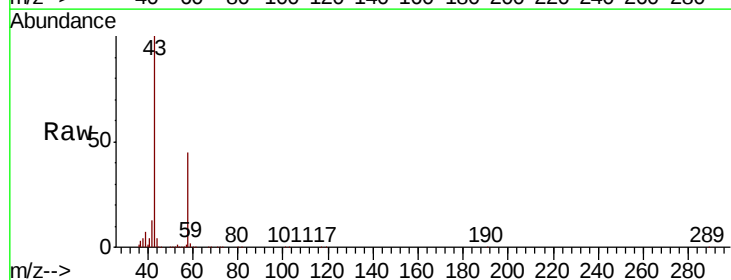
Acq: 23 May 2019 14:46

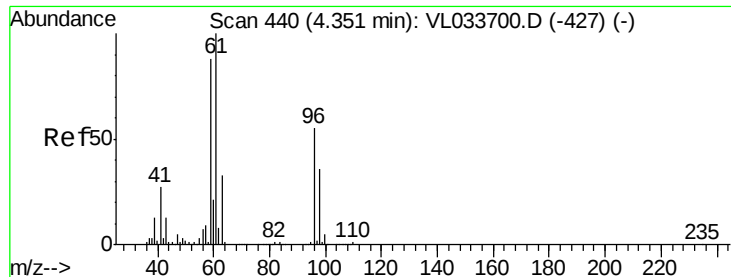
Tgt Ion: 43 Resp:15144698

Ion Ratio Lower Upper

43 100

58 35.9 21.3 31.9#





#17

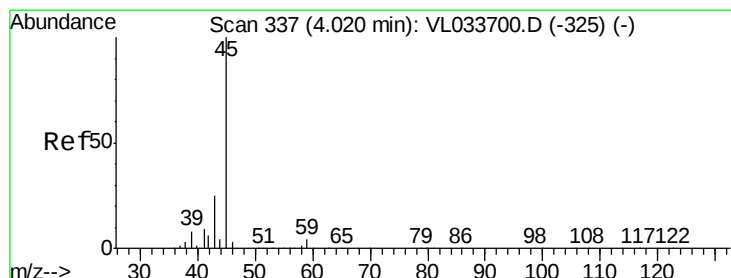
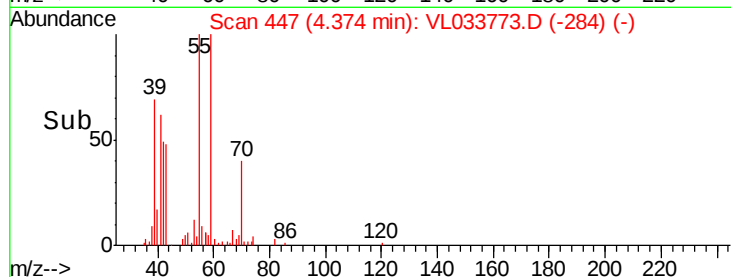
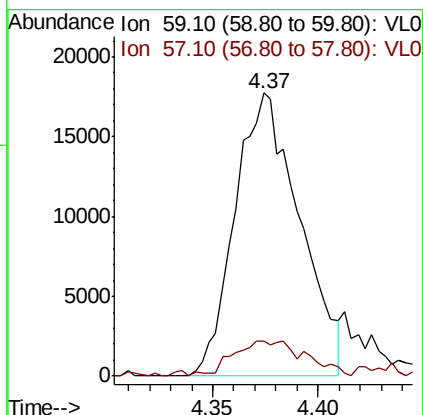
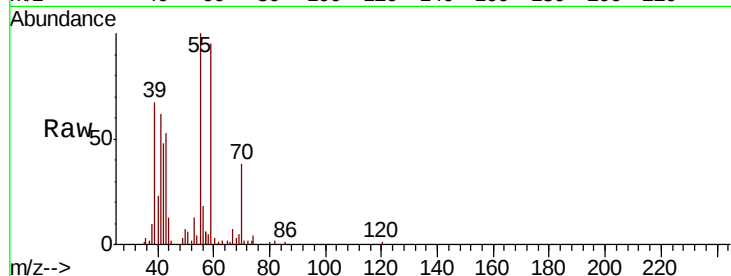
tert-Butyl alcohol
Concen: 0.372 ppbv
RT: 4.37 min Scan# 447
Delta R.T. 0.02 min
Lab File: VL033773.D
Acq: 23 May 2019 14:46

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3002-55

Tot Ion: 59 Resp: 37807
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

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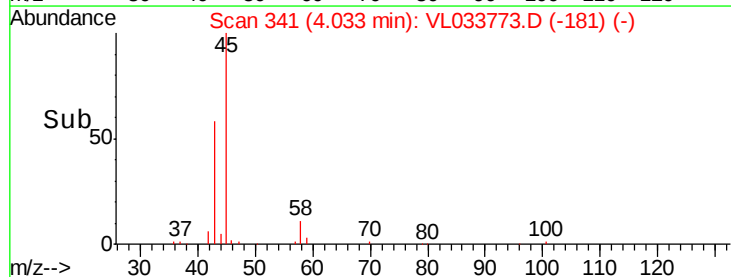
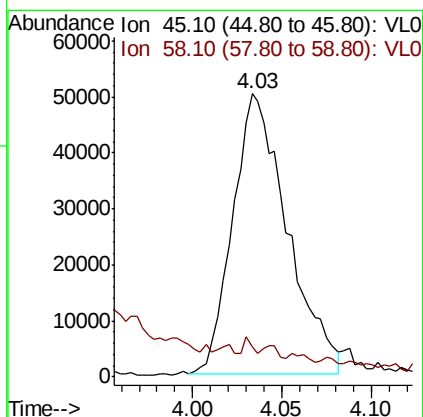
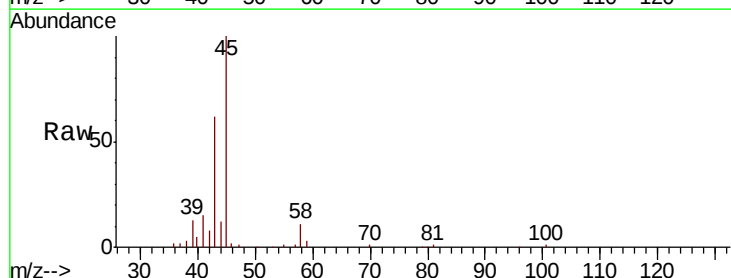
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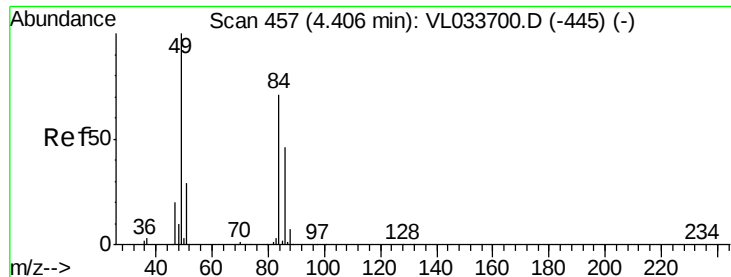


#19

Isopropyl Alcohol
Concen: 1.315 ppbv
RT: 4.03 min Scan# 341
Delta R.T. 0.01 min
Lab File: VL033773.D
Acq: 23 May 2019 14:46

Tgt Ion: 45 Resp: 106681
Ion Ratio Lower Upper
45 100
58 0.0 1.6 2.4#





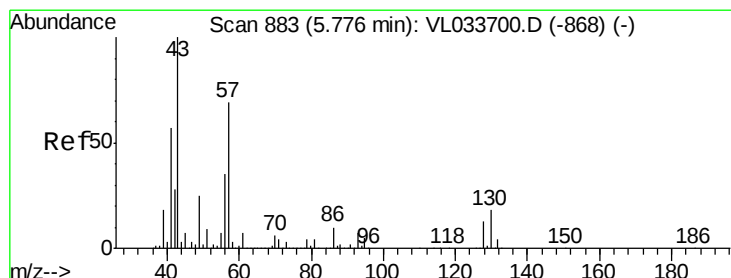
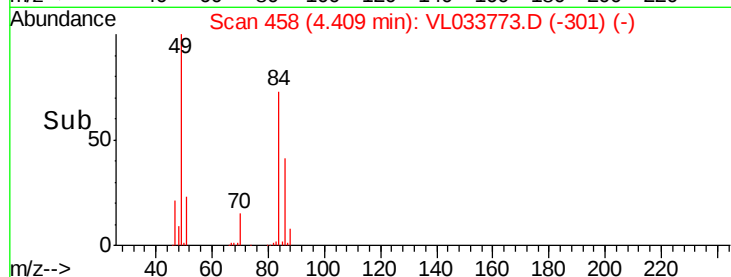
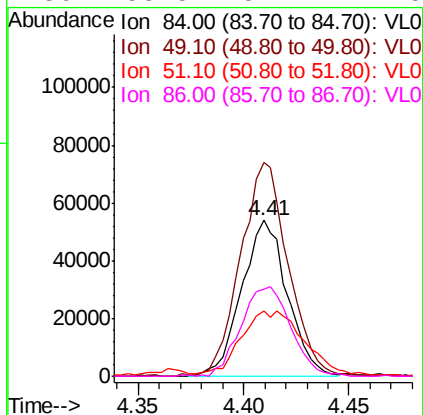
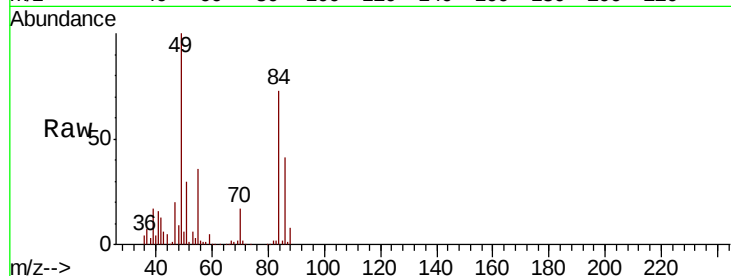
#20
Methvlene Chloride
Concen: 1.681 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033773.D
Acq: 23 May 2019 14:46

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3002-55

Tot Ion:	84	Resp:	81409
Ion	Ratio	Lower	Upper
84	100		
49	136.4	112.8	169.2
51	39.8	33.4	50.0
86	55.5	51.7	77.5

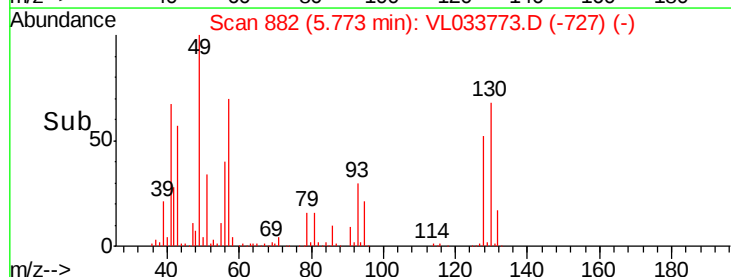
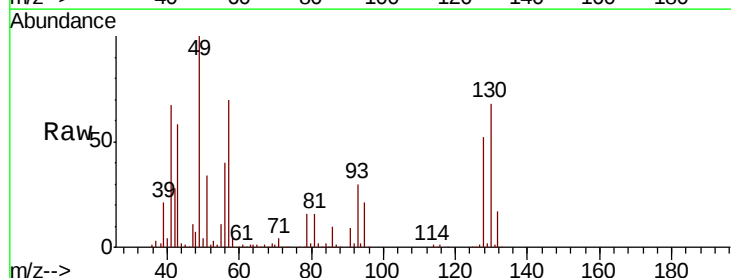
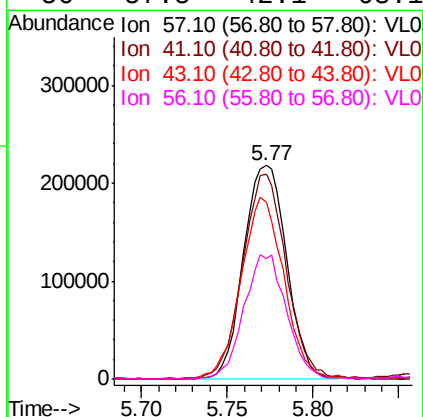
Manual Integrations
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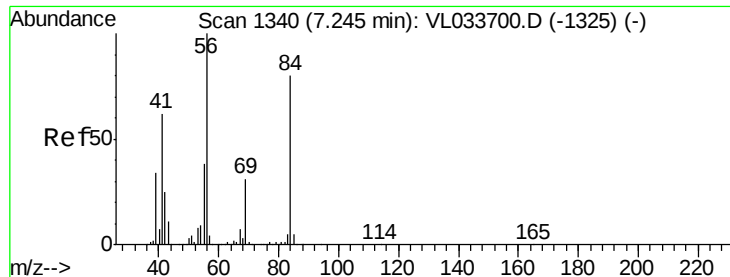
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#26
Hexane
Concen: 4.004 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033773.D
Acq: 23 May 2019 14:46

Tgt Ion:	57	Resp:	380412
Ion	Ratio	Lower	Upper
57	100		
41	97.5	69.8	104.6
43	83.9	181.8	272.6#
56	57.5	42.1	63.1





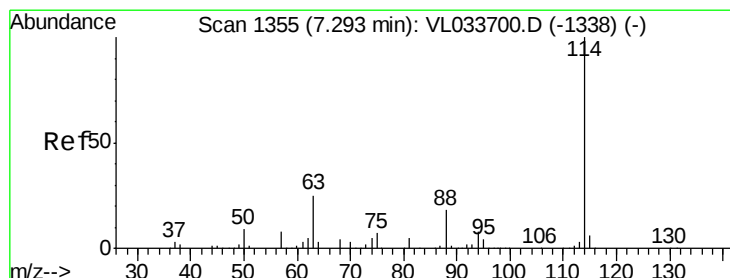
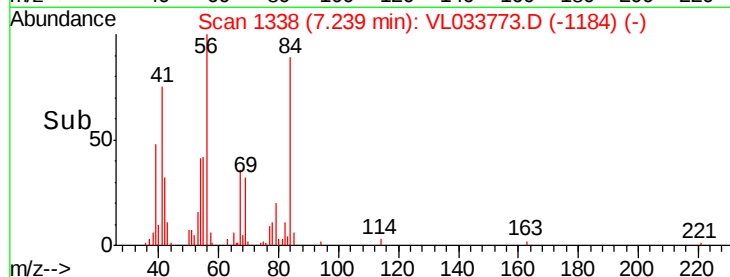
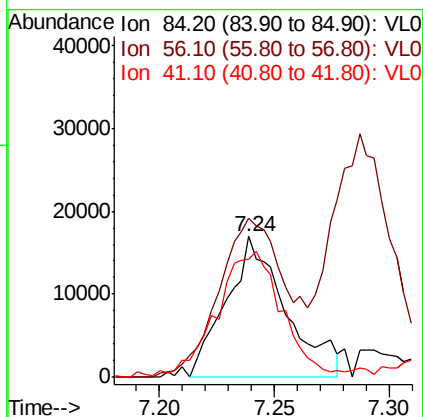
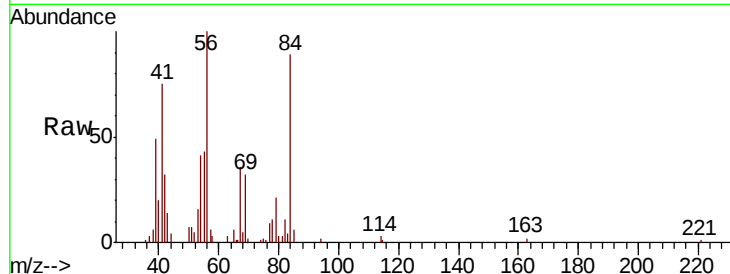
#30
Cvclohexane
Concen: 0.383 ppbv m
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033773.D
Acq: 23 May 2019 14:46

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3002-55

Tot Ion	Ratio	Lower	Upper
84	100		
56	122.9	107.7	161.5
41	98.7	66.0	99.0

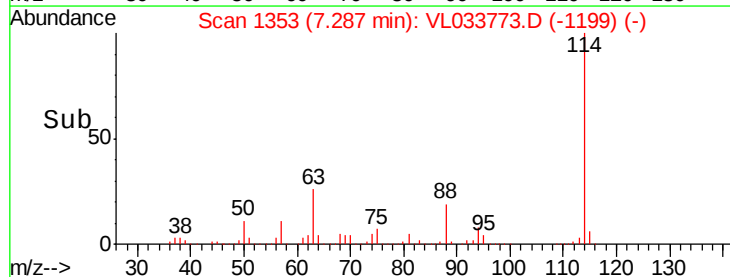
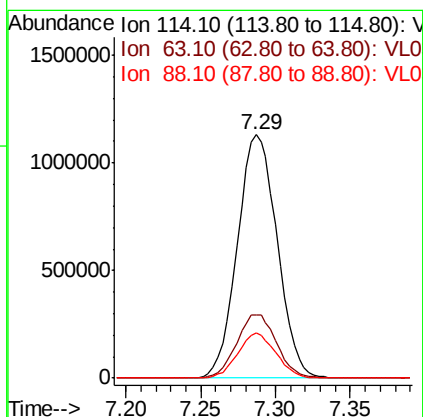
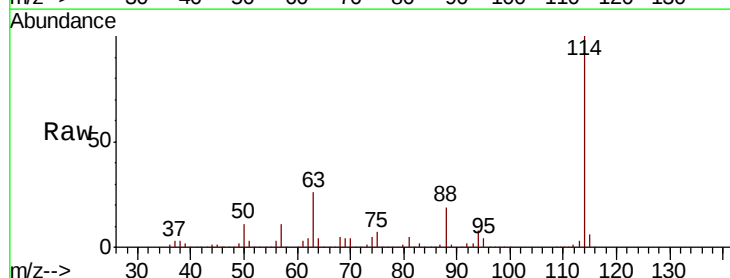
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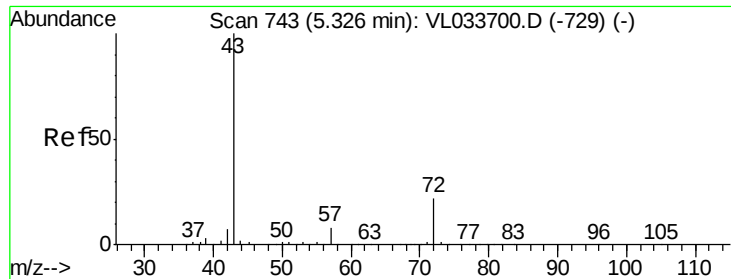
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033773.D
Acq: 23 May 2019 14:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.2	20.9	31.3
88	17.8	14.3	21.5





#34

2-Butanone

Concen: 0.454 ppbv

RT: 5.33 min Scan# 745

Delta R.T. 0.01 min

Lab File: VL033773.D

Acq: 23 May 2019 14:46

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3002-55

Tot Ion: 43 Resp: 58941

Ion Ratio Lower Upper

43 100

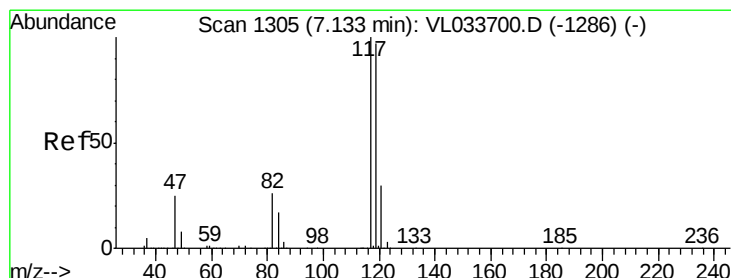
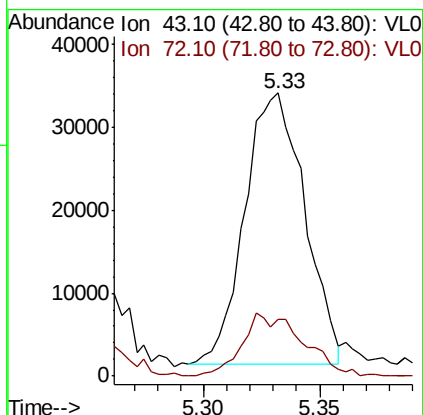
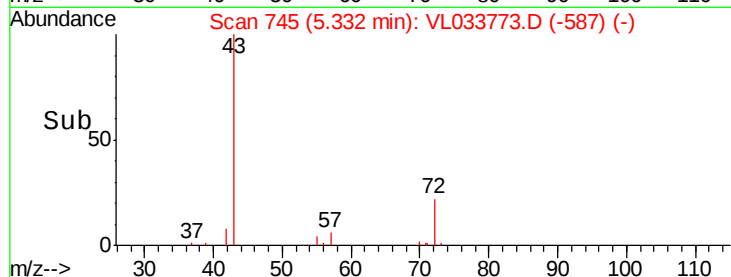
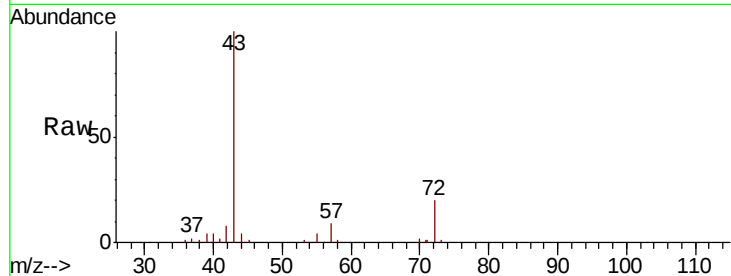
72 23.4 17.8 26.6

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#35

Carbon Tetrachloride

Concen: 0.067 ppbv m

RT: 7.13 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VL033773.D

Acq: 23 May 2019 14:46

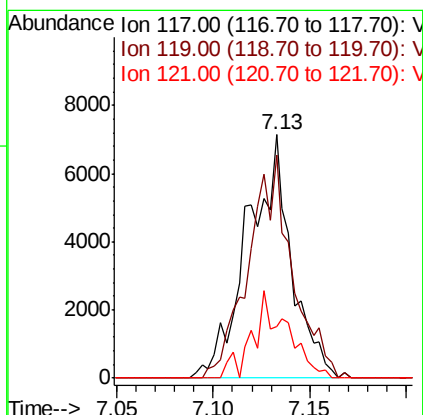
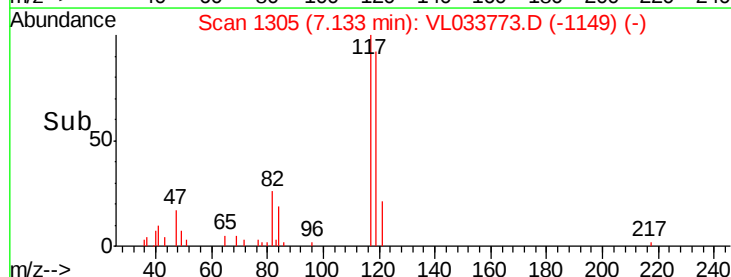
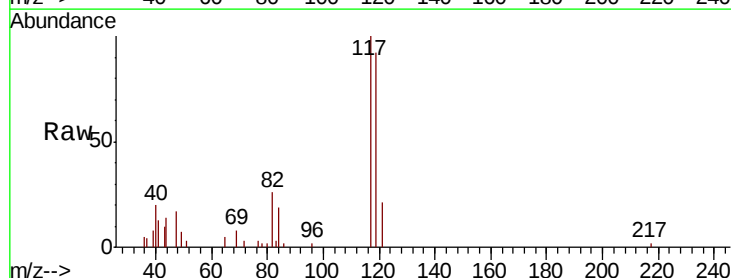
Tgt Ion: 117 Resp: 11316

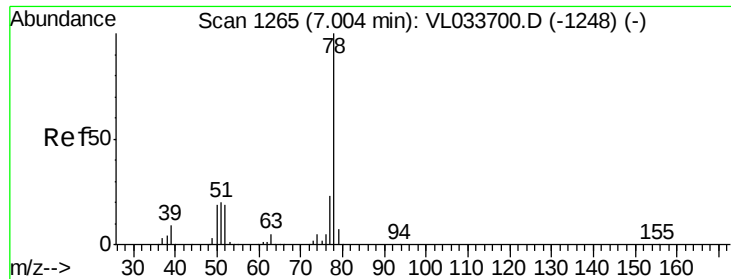
Ion Ratio Lower Upper

117 100

119 91.6 77.2 115.8

121 21.3 24.1 36.1#





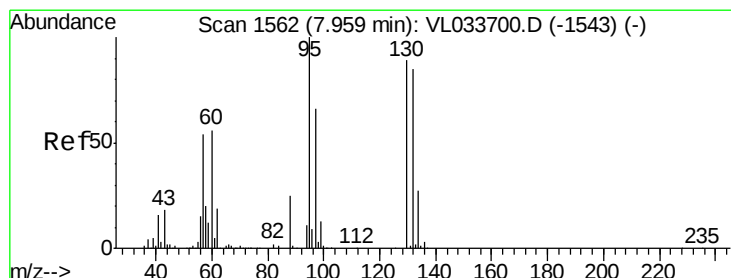
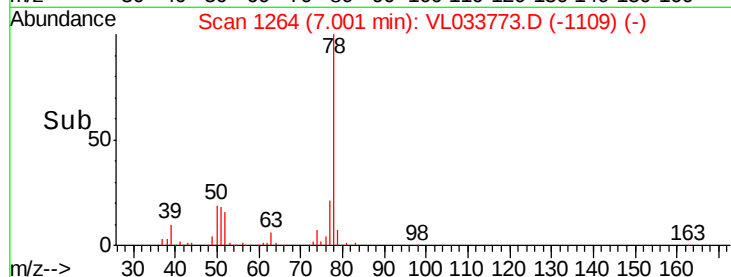
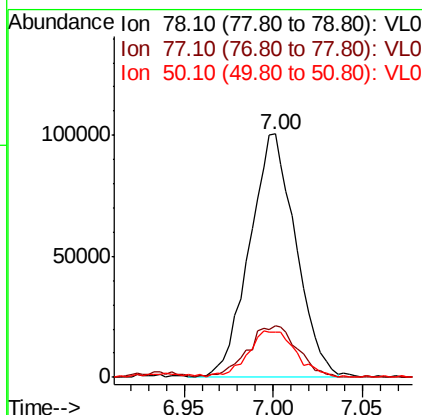
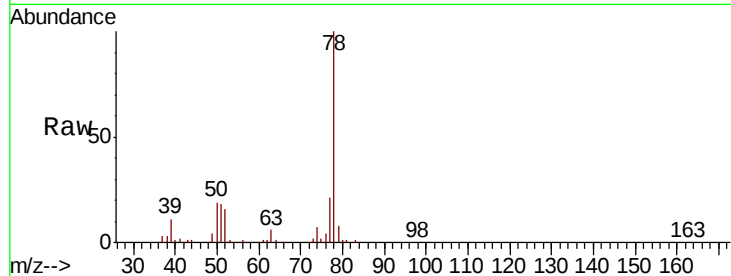
#36
Benzene
Concen: 0.956 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033773.D
Acq: 23 May 2019 14:46

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3002-55

Tot Ion	Ratio	Lower	Upper
78	100		
77	20.6	18.4	27.6
50	18.7	15.5	23.3

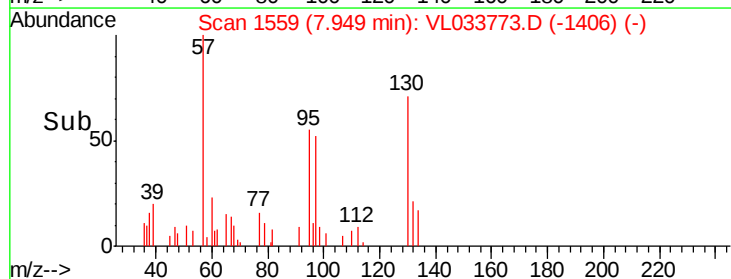
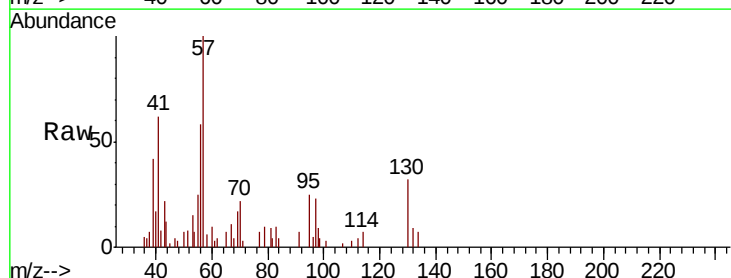
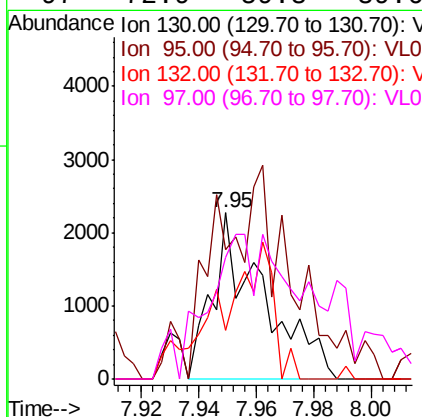
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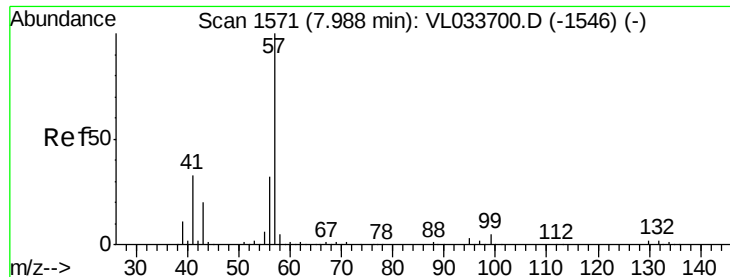
MMDadoda
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#38
Trichloroethene
Concen: 0.040 ppbv m
RT: 7.95 min Scan# 1559
Delta R.T. -0.01 min
Lab File: VL033773.D
Acq: 23 May 2019 14:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	77.6	90.2	135.4#
132	29.3	76.4	114.6#
97	72.9	59.8	89.6





#44

2,2,4-Trimethylpentane

Concen: 0.651 ppbv

RT: 7.98 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VL033773.D

Acq: 23 May 2019 14:46

Instrument :

MSVOA_L

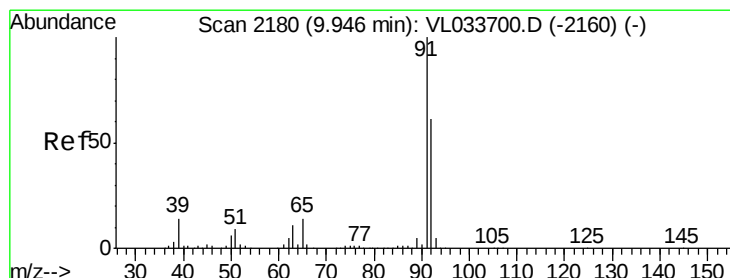
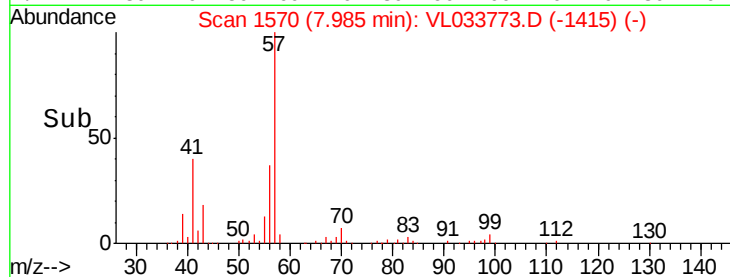
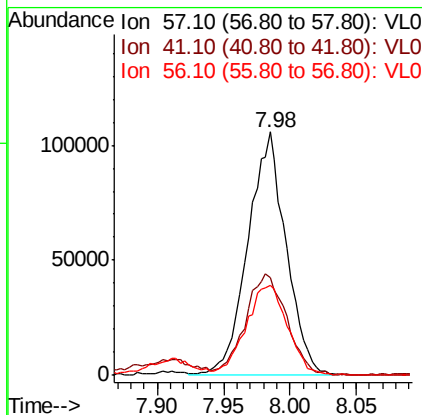
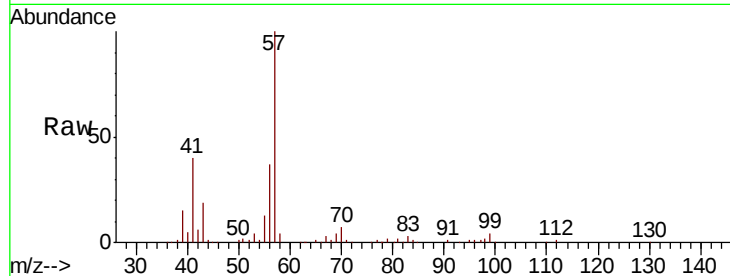
ClientSampleId :

BPS1-SG-3002-55

Tot Ion:	57	Resp:	209449
Ion Ratio	Lower	Upper	
57	100		
41	45.5	25.4	38.0#
56	41.0	24.7	37.1#

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#53

Toluene

Concen: 5.568 ppbv

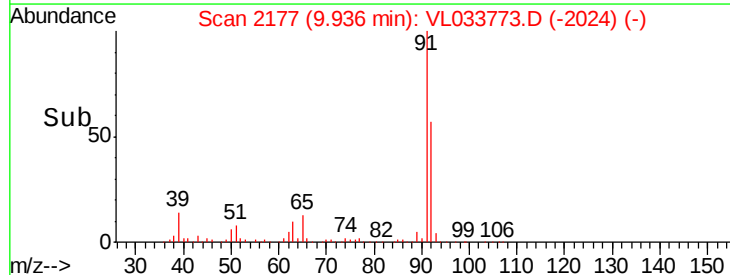
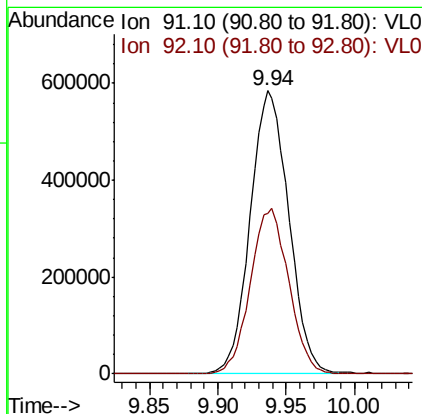
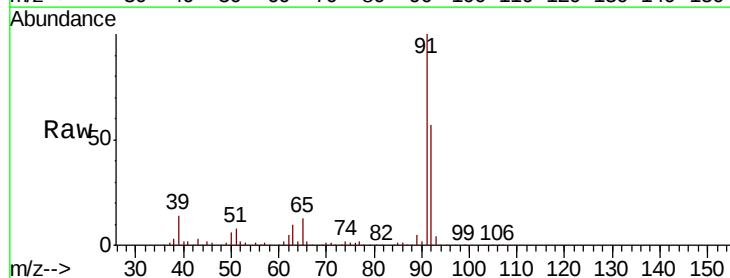
RT: 9.94 min Scan# 2177

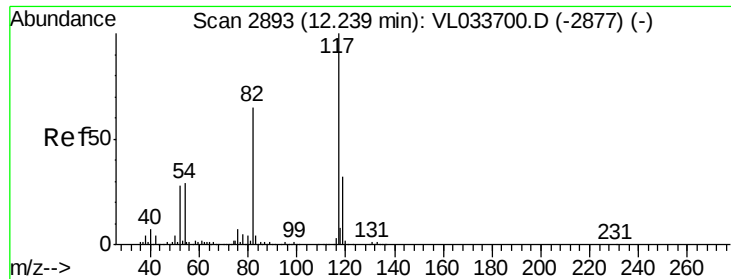
Delta R.T. -0.01 min

Lab File: VL033773.D

Acq: 23 May 2019 14:46

Tgt Ion:	91	Resp:	1143859
Ion Ratio	Lower	Upper	
91	100		
92	58.4	47.6	71.4





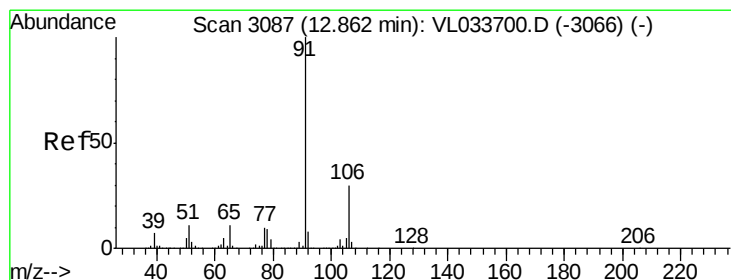
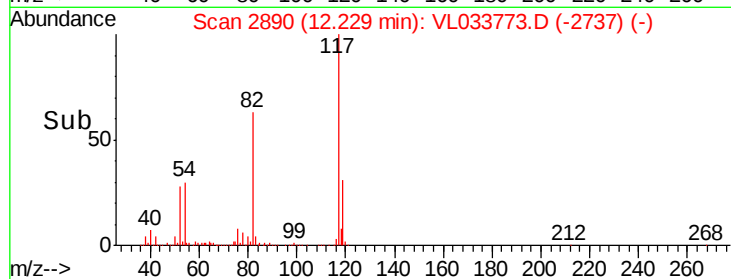
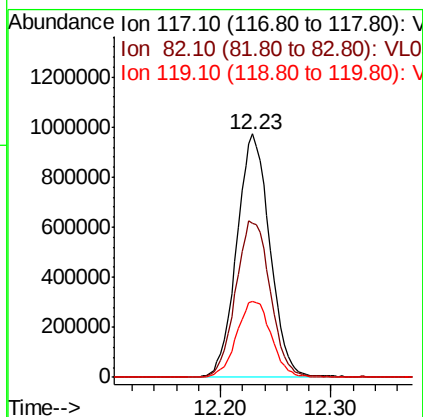
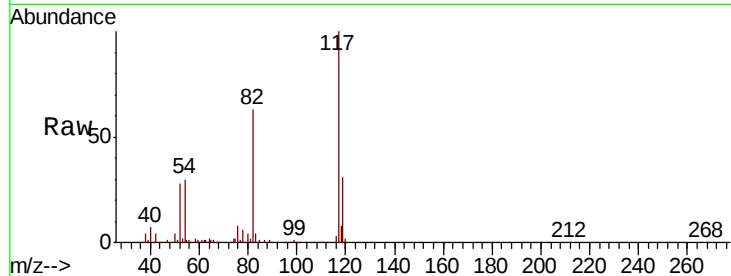
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033773.D
Acq: 23 May 2019 14:46

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3002-55

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.7	49.4	74.0
119	32.6	24.9	37.3

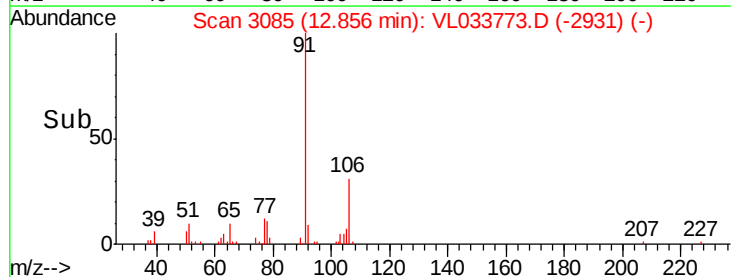
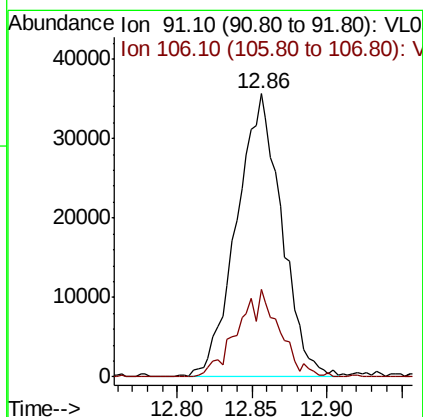
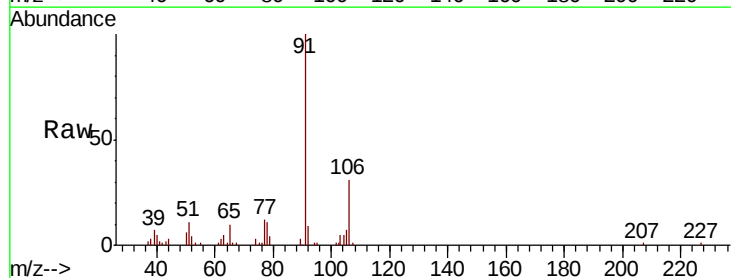
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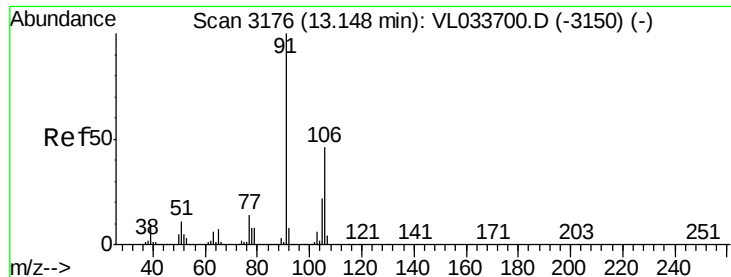
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#58
Ethyl Benzene
Concen: 0.278 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033773.D
Acq: 23 May 2019 14:46

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.0	23.9	35.9





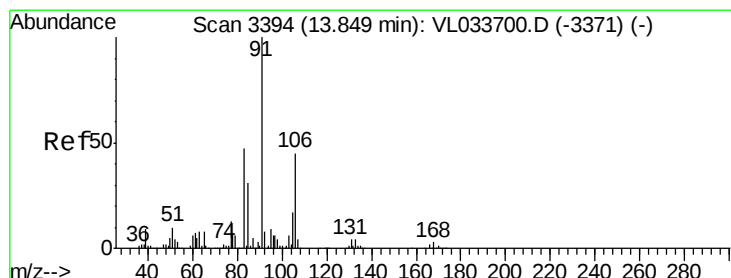
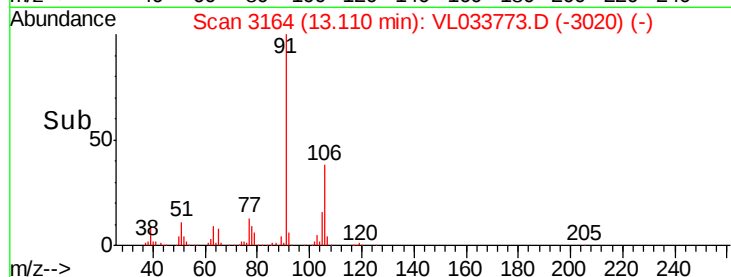
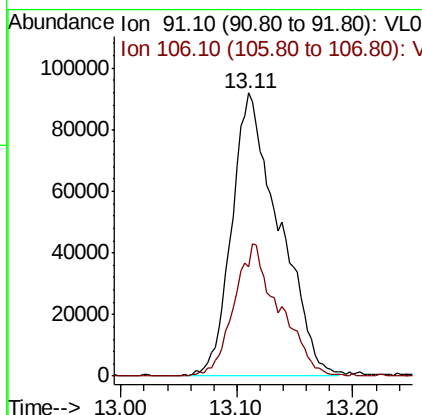
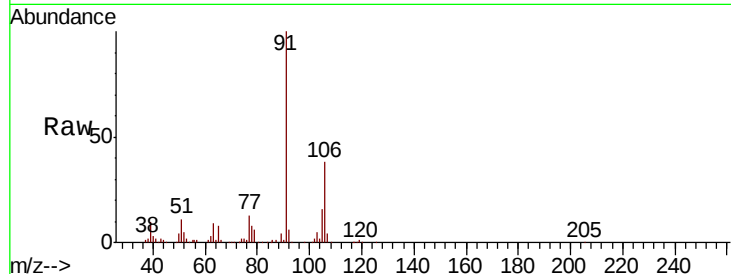
#59
m/p-Xylene
Concen: 1.111 ppbv
RT: 13.11 min Scan# 3164
Delta R.T. -0.04 min
Lab File: VL033773.D
Acq: 23 May 2019 14:46

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3002-55

Tot Ion	91	Resp	260328
Ion Ratio	100	Lower	Upper
91	100		
106	44.7	35.8	53.6

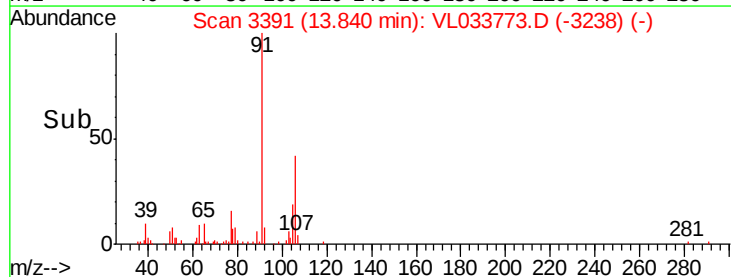
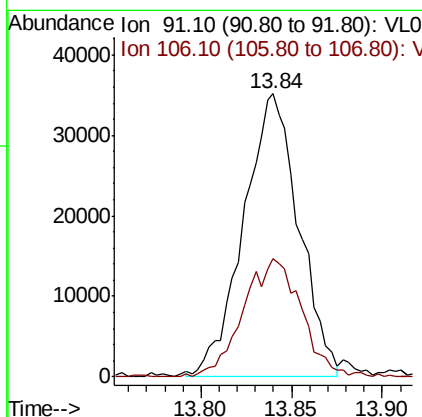
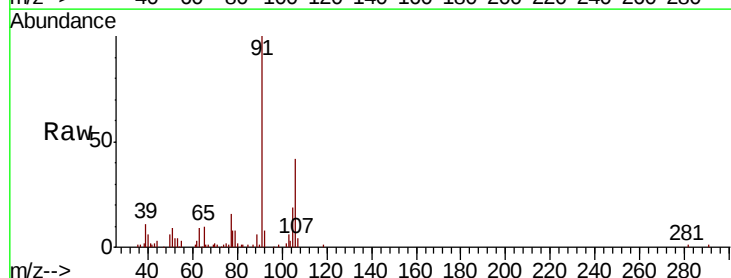
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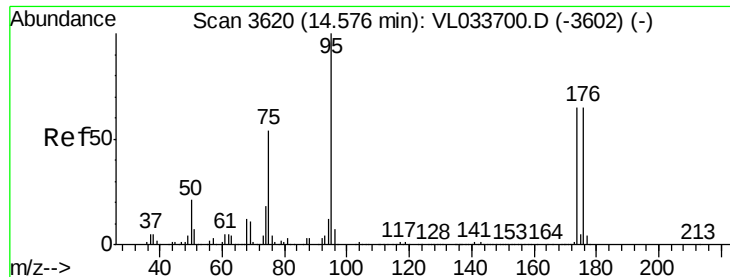
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#60
o-Xylene
Concen: 0.316 ppbv m
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033773.D
Acq: 23 May 2019 14:46

Tgt Ion	91	Resp	74676
Ion Ratio	100	Lower	Upper
91	100		
106	44.2	21.6	64.8





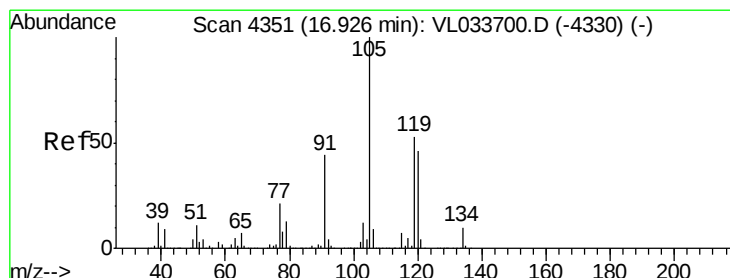
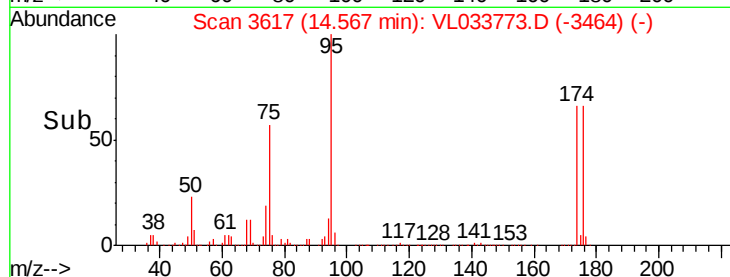
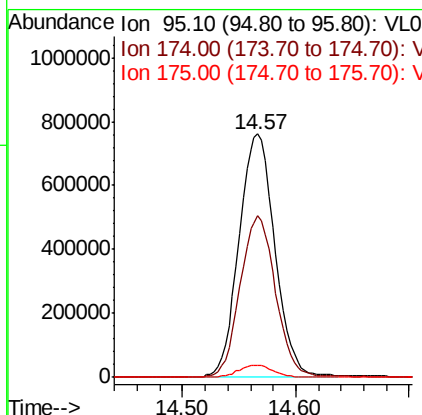
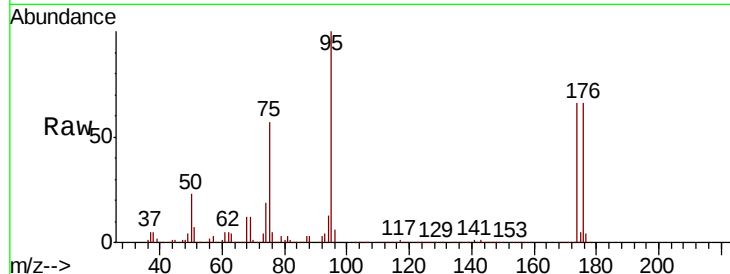
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.258 ppbv
 RT: 14.57 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL033773.D
 Acq: 23 May 2019 14:46

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3002-55

Tot Ion: 95 Resp: 1684077
 Ion Ratio Lower Upper
 95 100
 174 65.8 53.9 80.9
 175 4.9 3.8 5.8

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#74
 1,2,4-Trimethylbenzene
 Concen: 0.174 ppbv m
 RT: 16.91 min Scan# 4347
 Delta R.T. -0.01 min
 Lab File: VL033773.D
 Acq: 23 May 2019 14:46

Tgt Ion: 105 Resp: 50011
 Ion Ratio Lower Upper
 105 100
 120 34.6 36.8 55.2#
 91 11.1 35.4 53.0#
 77 16.9 16.8 25.2

