

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032919\
 Data File : VL033515.D
 Acq On : 29 Mar 2019 23:35
 Operator : SY/AP
 Sample : K2042-04
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-7-NEAR-SCHOOL-ENTRANCE

Manual Integrations
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 4/1/2019 4:03:22 AM

Quant Time: Mar 31 15:08:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 2
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	824348	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1887375	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1941779	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1488389	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	29451	0.245	ppbv	95
4) Chloromethane	3.17	50	28883	0.575	ppbv	99
7) Chloroethane	3.60	64	15827	0.862	ppbv	91
9) Propene	3.04	41	103954m	2.608	ppbv	
10) Heptane	8.25	43	29464m	0.277	ppbv	
11) Trichlorofluoromethane	4.00	101	38393m	0.259	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.55	101	7878	0.079	ppbv	97
13) Ethanol	3.66	45	3667598	355.613	ppbv	65
15) Acetone	3.90	43	1351290	13.633	ppbv	97
17) tert-Butyl alcohol	4.37	59	38006	2.085	ppbv #	94
19) Isopropyl Alcohol	4.04	45	227375	3.627	ppbv #	1
20) Methylene Chloride	4.41	84	226254	5.377	ppbv	95
26) Hexane	5.78	57	308032	3.767	ppbv #	41
29) Chloroform	5.84	83	23637	0.169	ppbv	100
30) Cyclohexane	7.25	84	10740m	0.166	ppbv	
31) cis-1,2-Dichloroethene	5.64	61	9409m	0.116	ppbv	
34) 2-Butanone	5.33	43	108519	0.957	ppbv	98
35) Carbon Tetrachloride	7.13	117	11082	0.083	ppbv #	95
36) Benzene	7.00	78	70400	0.445	ppbv	97
38) Trichloroethene	7.96	130	101636	1.705	ppbv	92
44) 2,2,4-Trimethylpentane	7.99	57	59644	0.216	ppbv #	70
52) Tetrachloroethene	11.37	164	4858m	0.081	ppbv	
53) Toluene	9.94	91	920621	5.003	ppbv	99
58) Ethyl Benzene	12.86	91	30145m	0.116	ppbv	
59) m/p-Xylene	13.12	91	94127m	0.406	ppbv	
60) o-Xylene	13.85	91	28538	0.127	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	33352m	0.129	ppbv	

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

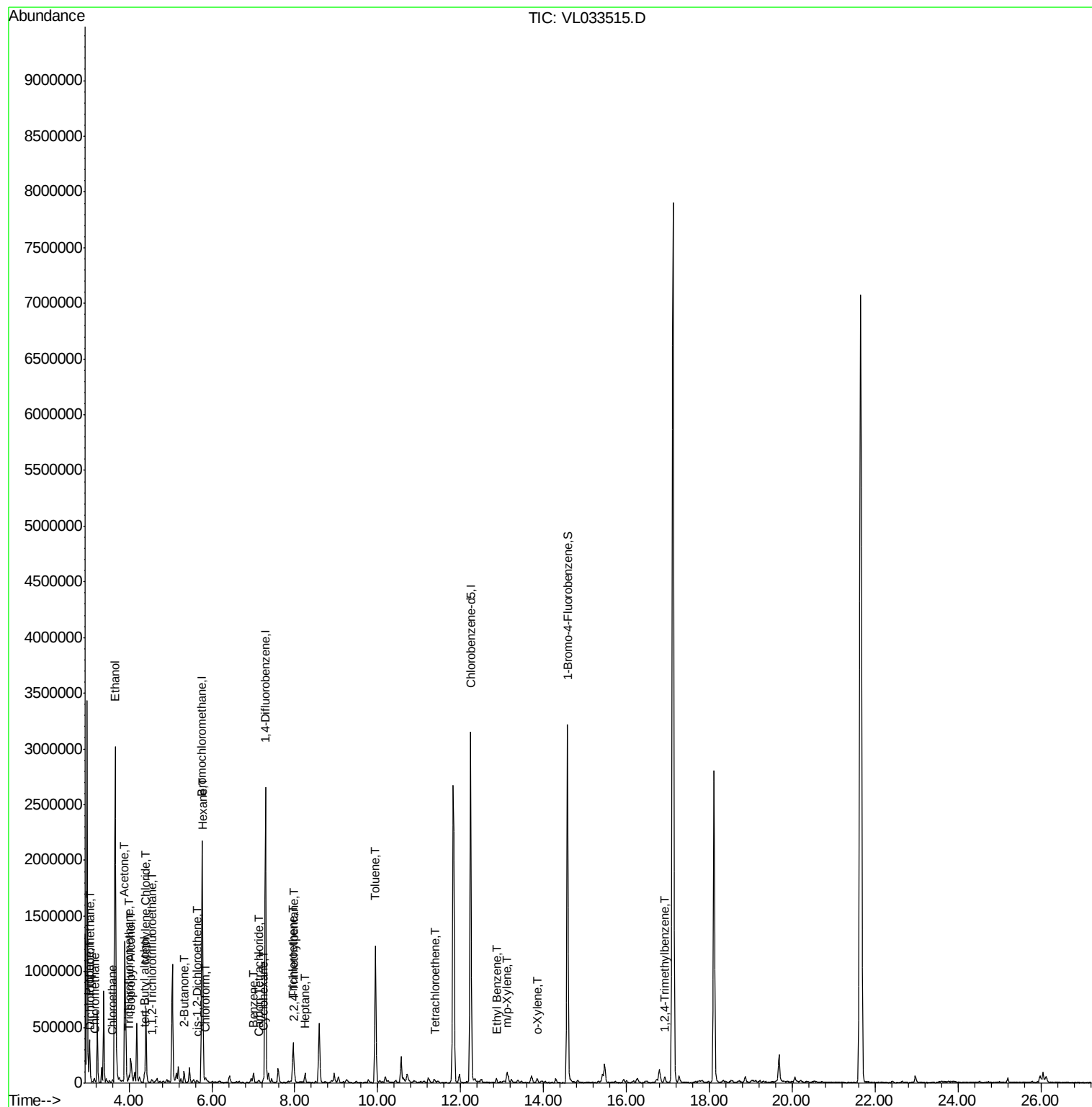
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032919\
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SG-7-NEAR-SCHOOL-ENTRANCE

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Manual Integrations
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033515.D

Acq: 29 Mar 2019 23:35

Instrument :

MSVOA_L

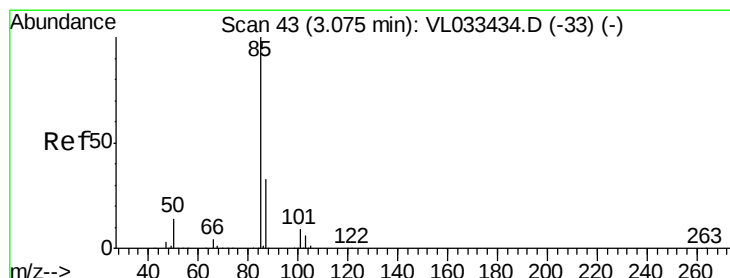
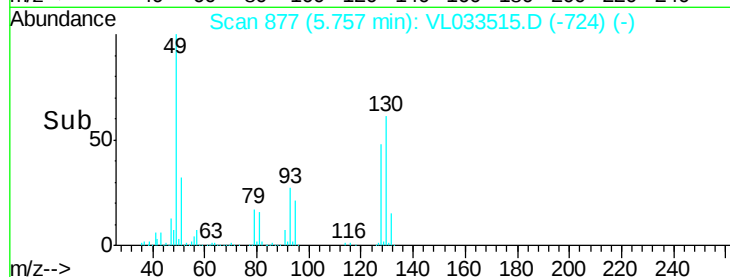
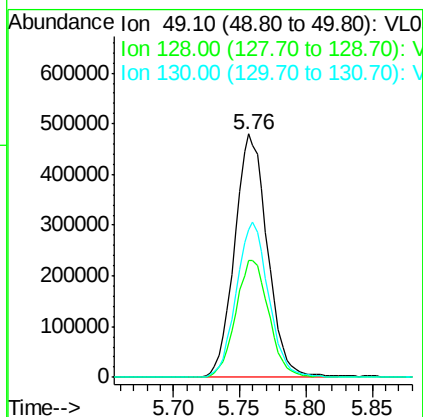
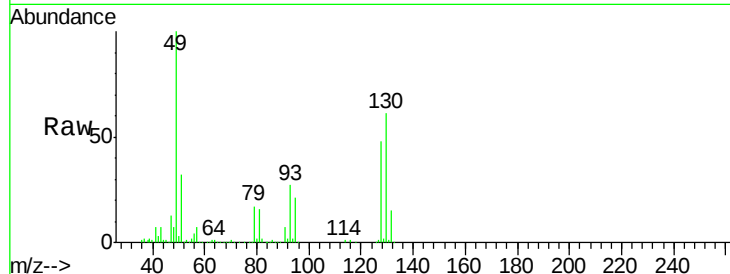
ClientSampleId :

SG-7-NEAR-SCHOOL-ENTRANCE

Tot Ion:	49	Resp:	824348
Ion	Ratio	Lower	Upper
49	100		
128	48.7	24.0	72.0
130	63.2	31.2	93.6

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#2

Dichlorodifluoromethane

Concen: 0.245 ppbv

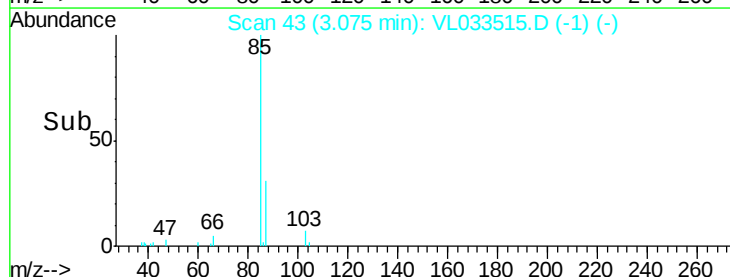
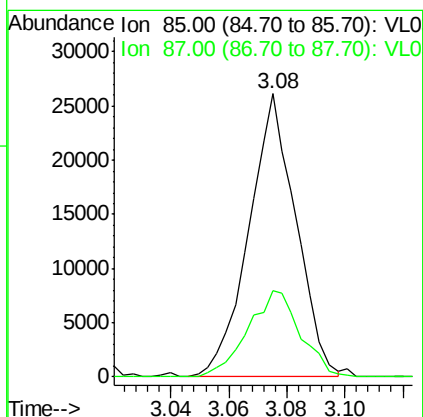
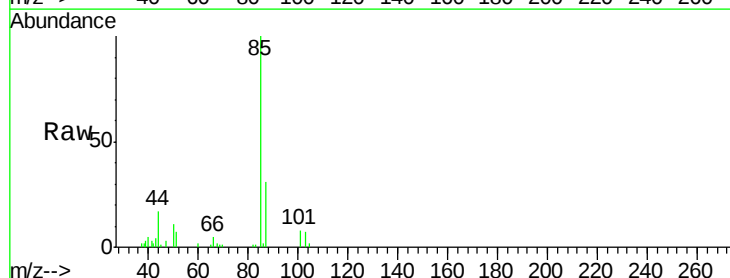
RT: 3.08 min Scan# 43

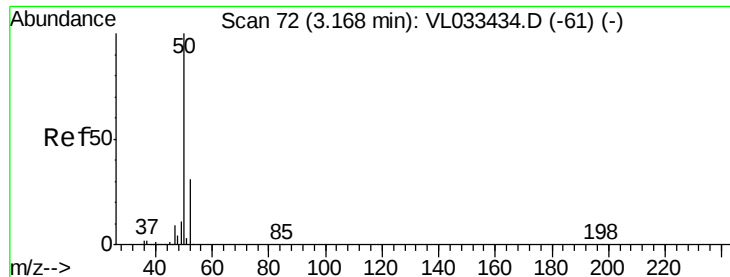
Delta R.T. -0.00 min

Lab File: VL033515.D

Acq: 29 Mar 2019 23:35

Tgt Ion:	85	Resp:	29451
Ion	Ratio	Lower	Upper
85	100		
87	30.7	26.7	40.1





#4

Chloromethane

Concen: 0.575 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.00 min

Lab File: VL033515.D

Acq: 29 Mar 2019 23:35

Instrument :

MSVOA_L

ClientSampleId :

SG-7-NEAR-SCHOOL-ENTRANCE

Tot Ion: 50 Resp: 28883

Ion Ratio Lower Upper

50 100

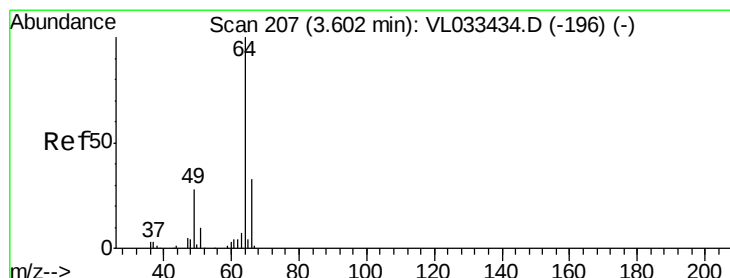
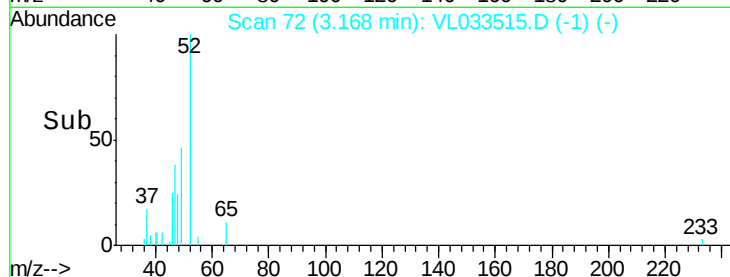
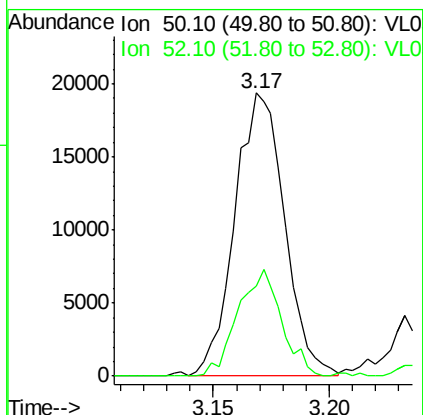
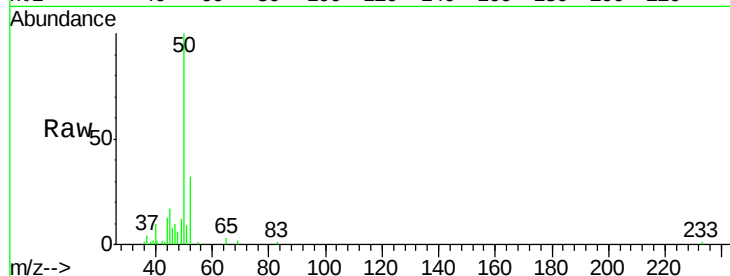
52 32.0 25.0 37.6

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#7

Chloroethane

Concen: 0.862 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033515.D

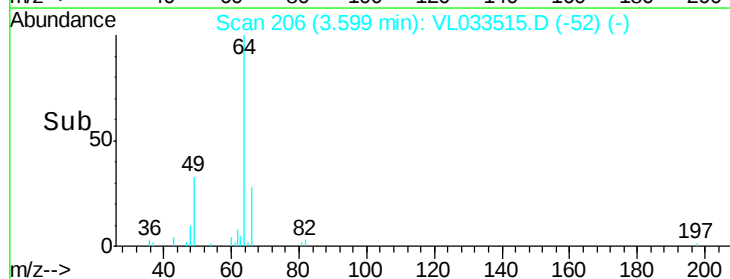
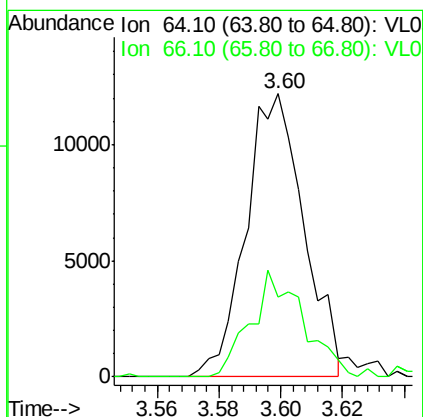
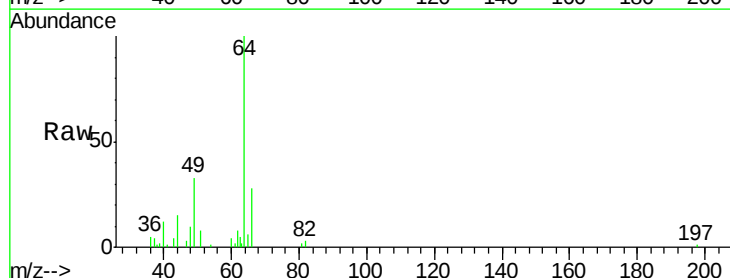
Acq: 29 Mar 2019 23:35

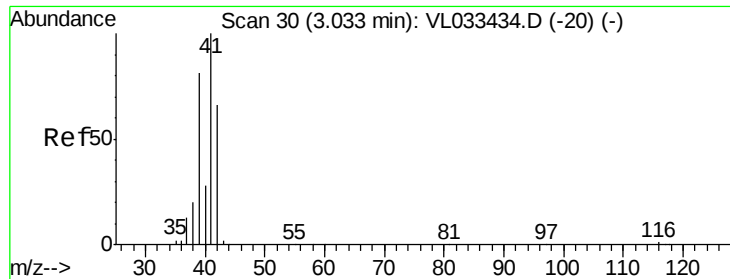
Tgt Ion: 64 Resp: 15827

Ion Ratio Lower Upper

64 100

66 28.1 26.7 40.1





#9

Propene

Concen: 2.608 ppbv m

RT: 3.04 min Scan# 33

Delta R.T. 0.01 min

Lab File: VL033515.D

Acq: 29 Mar 2019 23:35

Instrument :

MSVOA_L

ClientSampleId :

SG-7-NEAR-SCHOOL-ENTRANCE

Tot Ion: 41 Resp: 103954

Ion Ratio Lower Upper

41 100

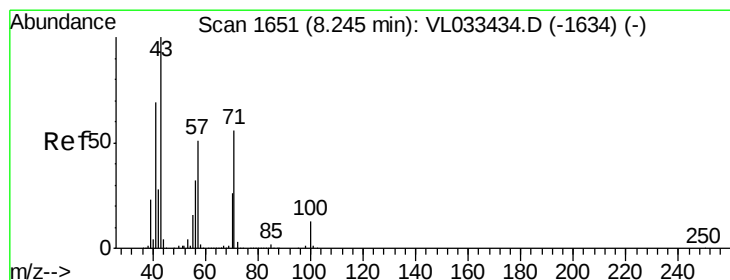
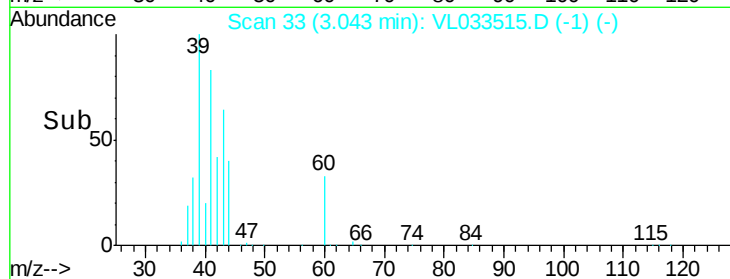
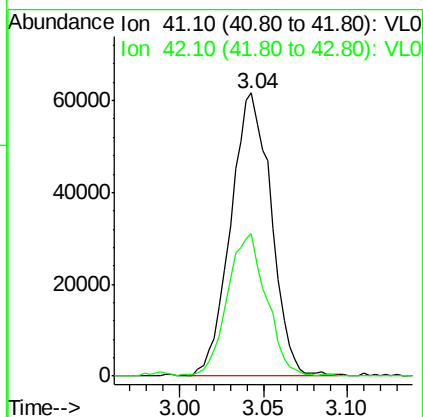
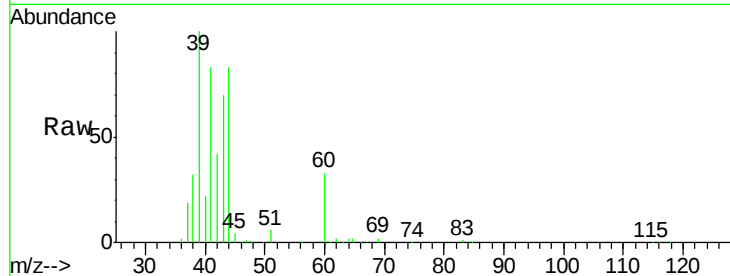
42 102.3 53.9 80.9#

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#10

Heptane

Concen: 0.277 ppbv m

RT: 8.25 min Scan# 1651

Delta R.T. -0.00 min

Lab File: VL033515.D

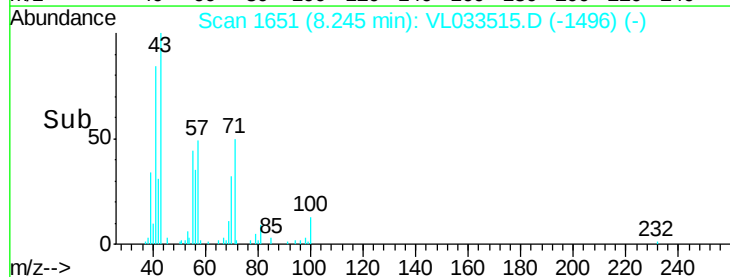
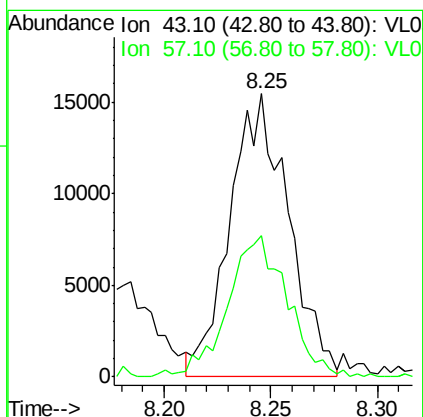
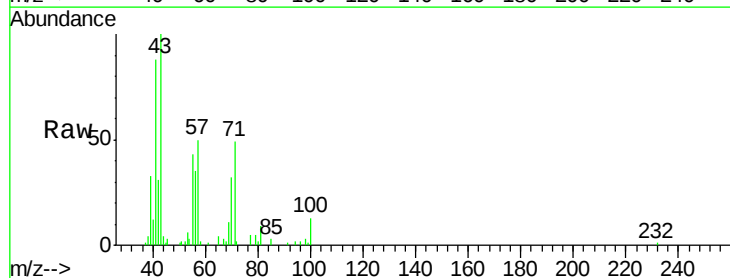
Acq: 29 Mar 2019 23:35

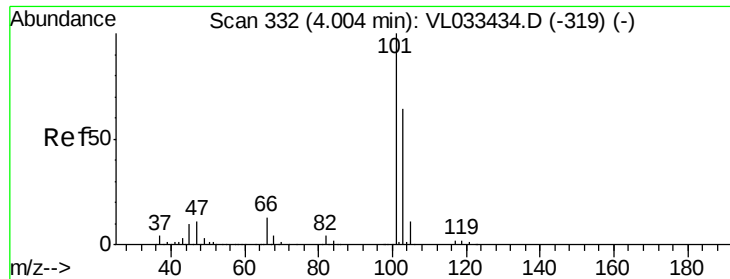
Tgt Ion: 43 Resp: 29464

Ion Ratio Lower Upper

43 100

57 0.0 40.6 60.8#





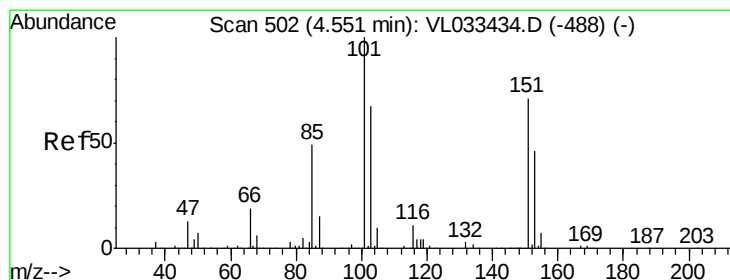
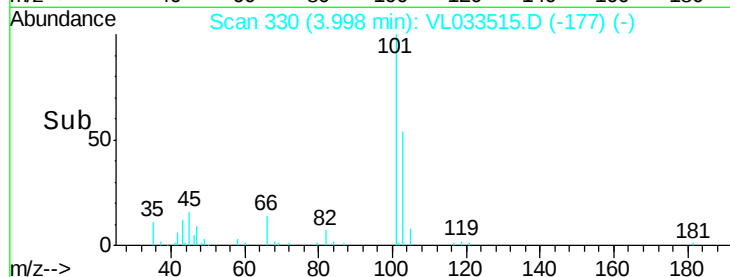
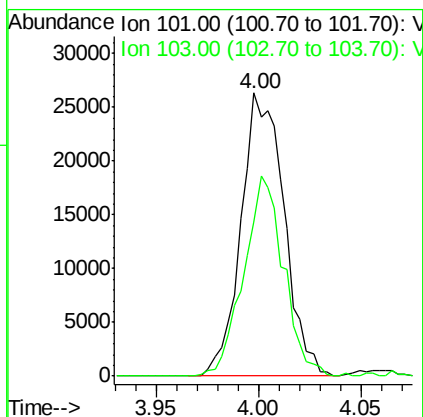
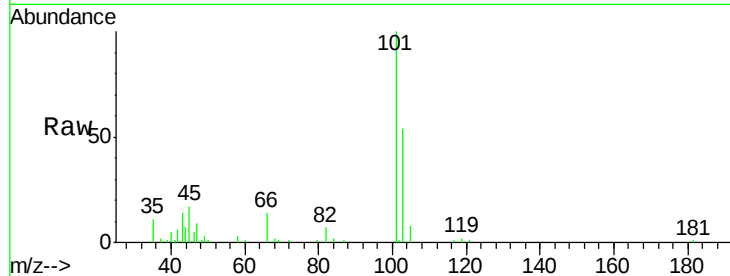
#11
 Trichlorofluoromethane
 Concen: 0.259 ppbv m
 RT: 4.00 min Scan# 330
 Delta R.T. -0.01 min
 Lab File: VL033515.D
 Acq: 29 Mar 2019 23:35

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-7-NEAR-SCHOOL-ENTRANCE

Tot Ion:101 Resp: 38393
 Ion Ratio Lower Upper
 101 100
 103 54.4 51.3 76.9

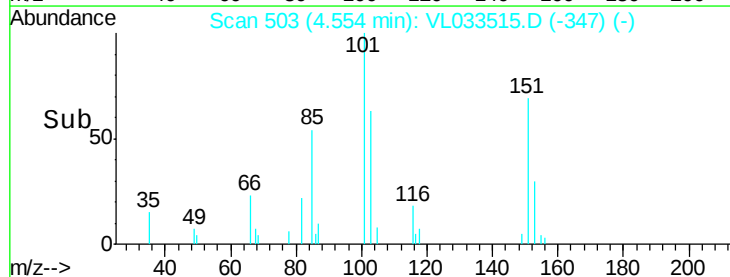
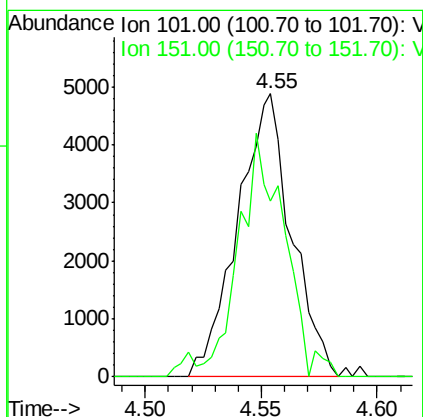
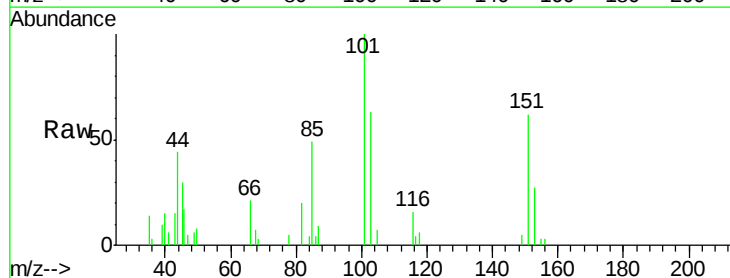
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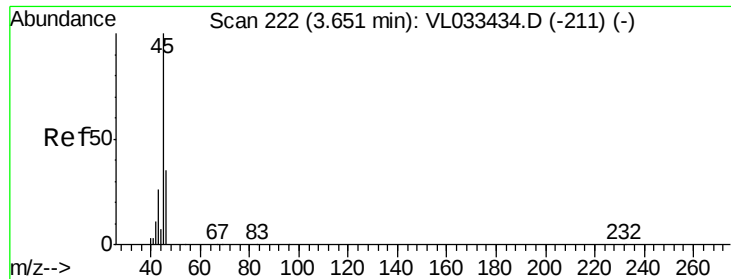
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.079 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VL033515.D
 Acq: 29 Mar 2019 23:35

Tgt Ion:101 Resp: 7878
 Ion Ratio Lower Upper
 101 100
 151 74.5 57.7 86.5





#13

Ethanol

Concen: 355.613 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.01 min

Lab File: VL033515.D

Acq: 29 Mar 2019 23:35

Instrument :

MSVOA_L

ClientSampleId :

SG-7-NEAR-SCHOOL-ENTRANCE

Tot Ion: 45 Resp: 3667598

Ion Ratio Lower Upper

45 100

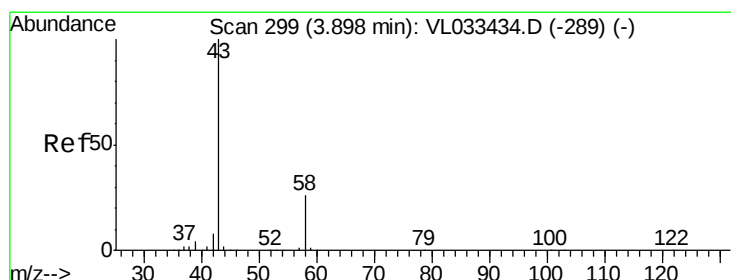
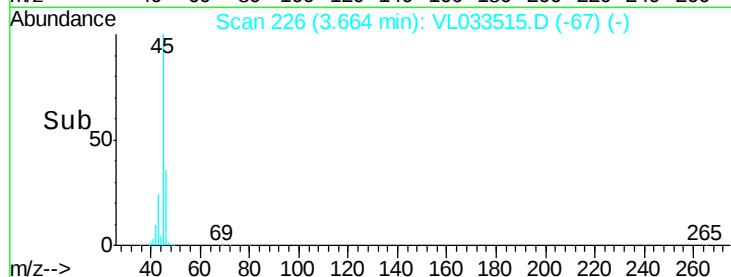
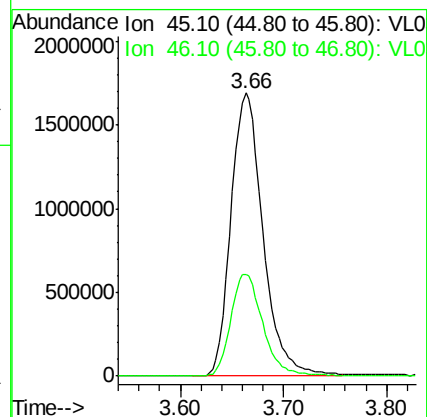
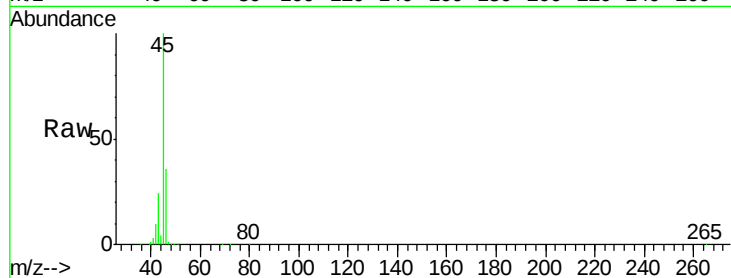
46 36.2 25.4 101.8

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#15

Acetone

Concen: 13.633 ppbv

RT: 3.90 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL033515.D

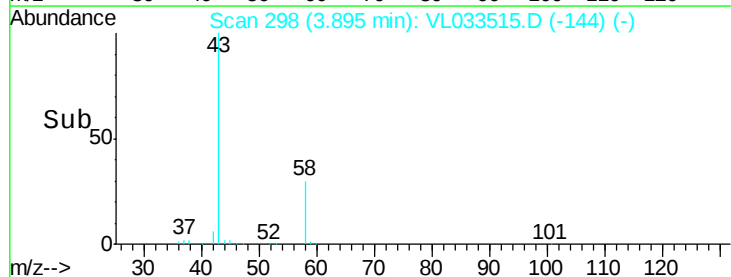
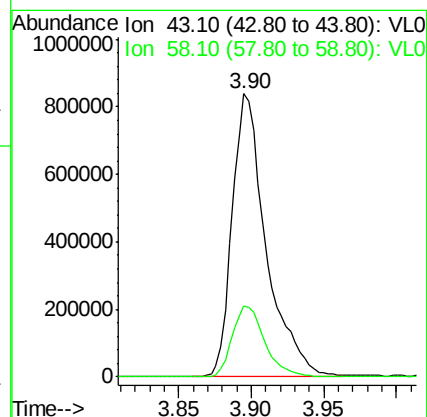
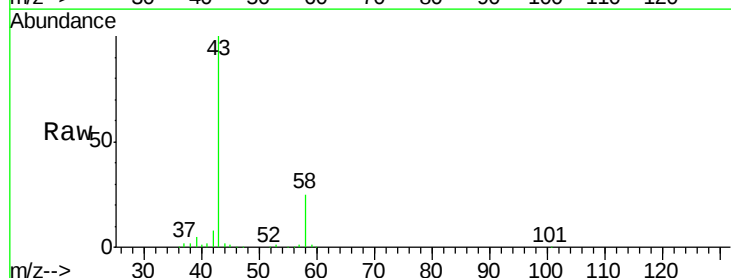
Acq: 29 Mar 2019 23:35

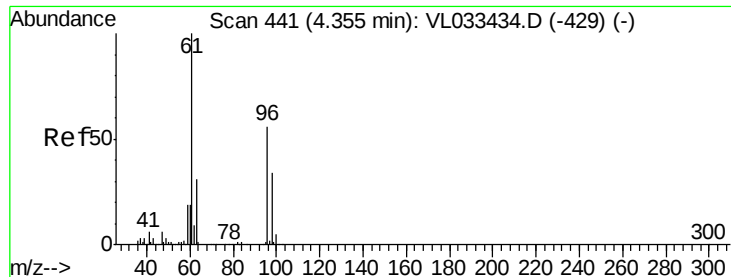
Tgt Ion: 43 Resp: 1351290

Ion Ratio Lower Upper

43 100

58 24.3 20.5 30.7





#17

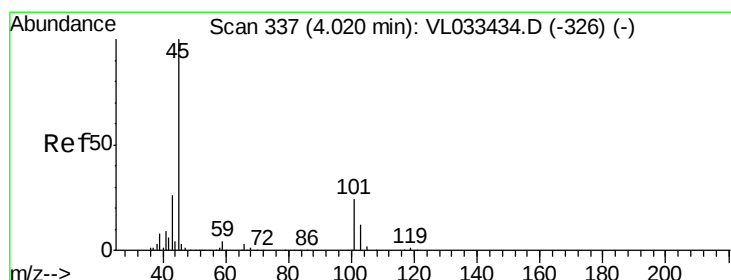
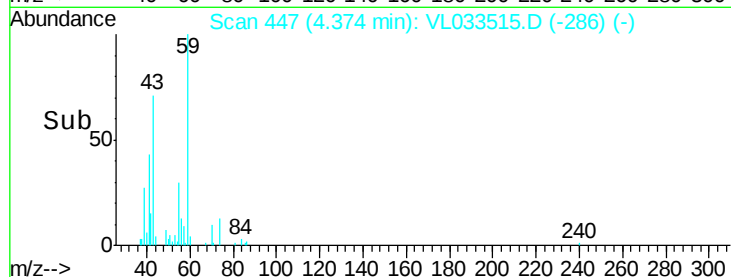
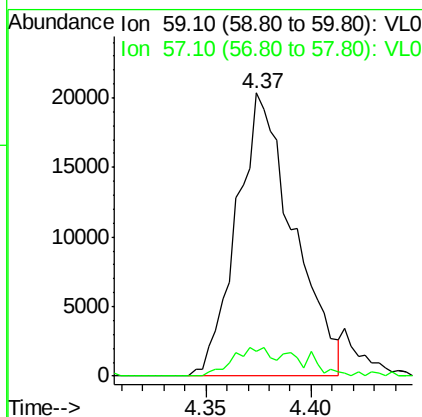
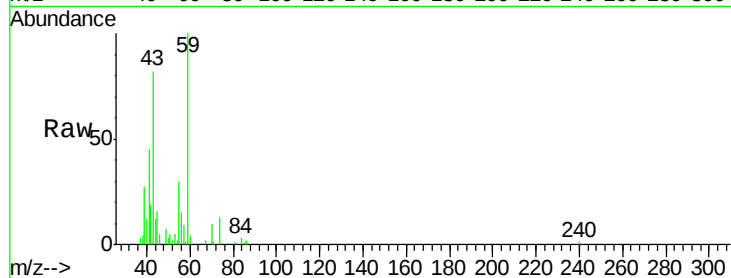
tert-Butyl alcohol
Concen: 2.085 ppbv
RT: 4.37 min Scan# 447
Delta R.T. 0.02 min
Lab File: VL033515.D
Acq: 29 Mar 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :
SG-7-NEAR-SCHOOL-ENTRANCE

Tot Ion: 59 Resp: 38006
Ion Ratio Lower Upper
59 100
57 12.1 7.8 11.8#

Manual Integrations
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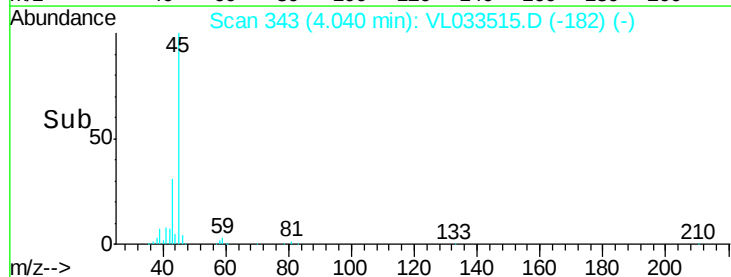
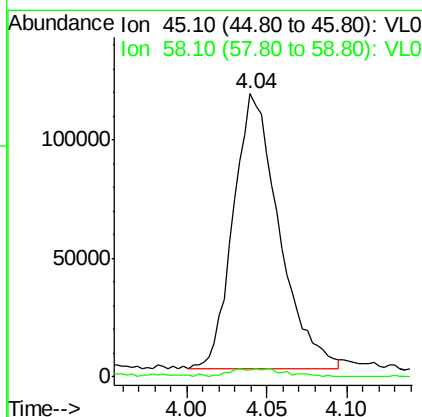
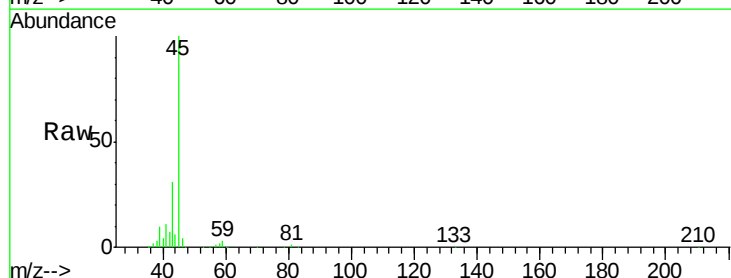
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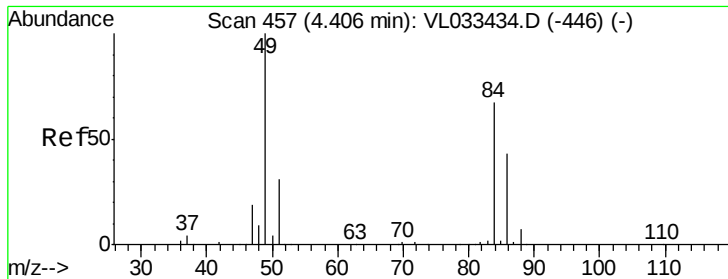


#19

Isopropyl Alcohol
Concen: 3.627 ppbv
RT: 4.04 min Scan# 343
Delta R.T. 0.02 min
Lab File: VL033515.D
Acq: 29 Mar 2019 23:35

Tgt Ion: 45 Resp: 227375
Ion Ratio Lower Upper
45 100
58 144.5 1.4 2.2#





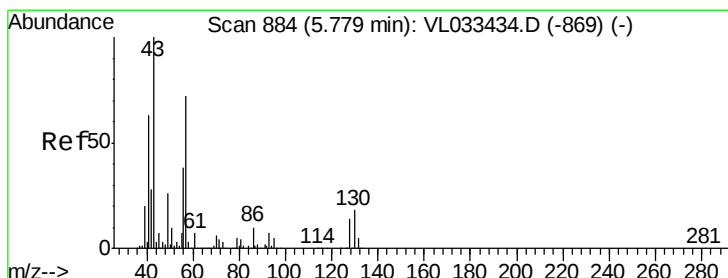
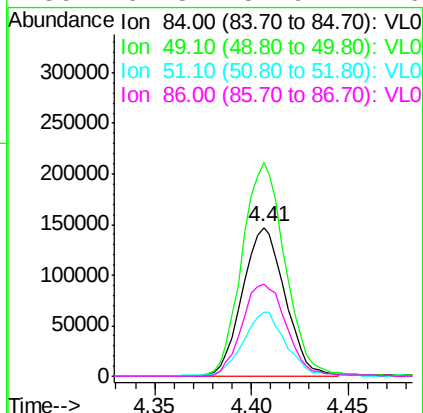
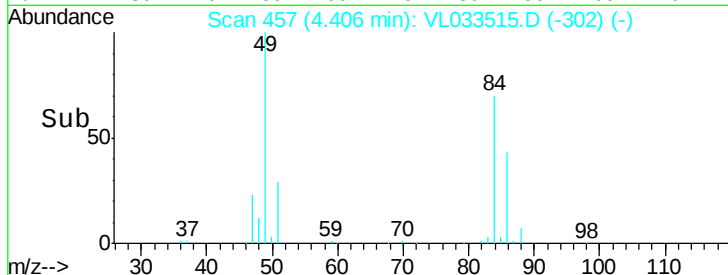
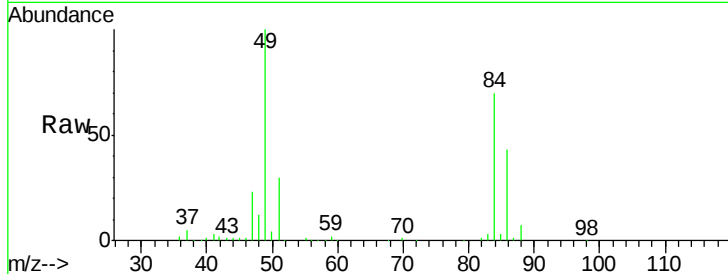
#20
Methvlene Chloride
Concen: 5.377 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033515.D
Acq: 29 Mar 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :
SG-7-NEAR-SCHOOL-ENTRANCE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
84	100				
49	143.3		120.0	180.0	
51	42.0		36.7	55.1	
86	62.3		51.9	77.9	

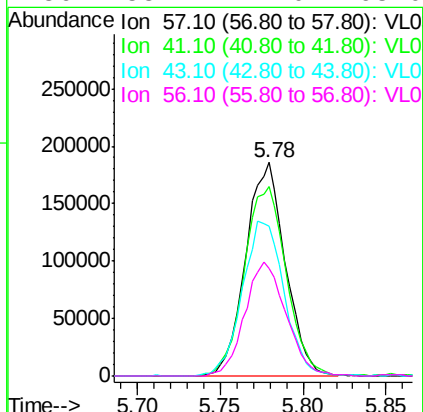
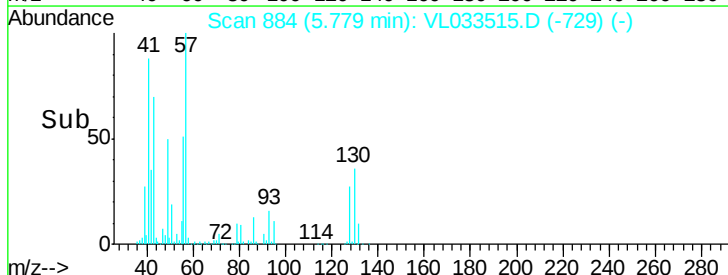
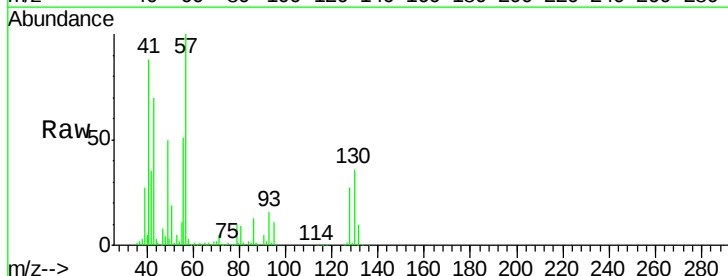
Manual Integrations
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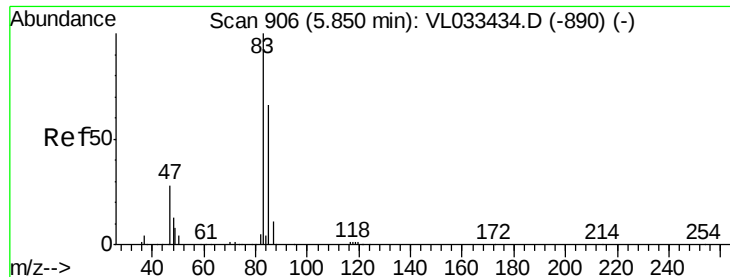
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#26
Hexane
Concen: 3.767 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033515.D
Acq: 29 Mar 2019 23:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	94.5		70.7	106.1	
43	77.0		182.6	274.0#	
56	55.4		42.0	63.0	





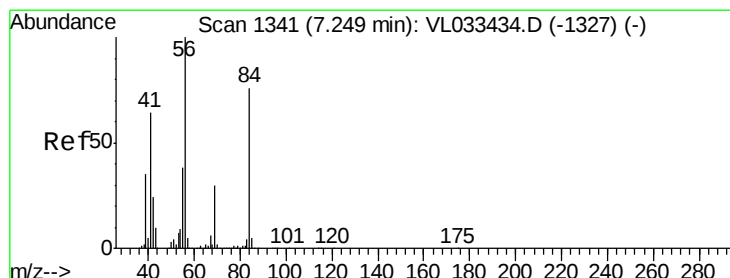
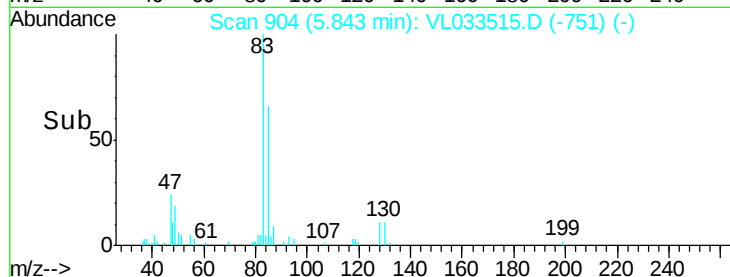
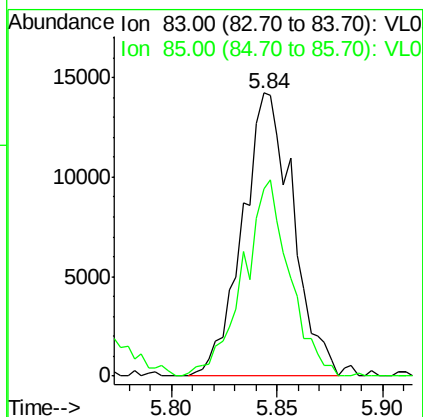
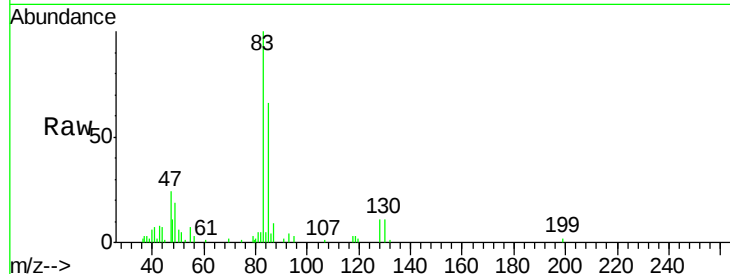
#29
Chloroform
Concen: 0.169 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL033515.D
Acq: 29 Mar 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :
SG-7-NEAR-SCHOOL-ENTRANCE

Tot Ion	83	Resp	23637
Ion Ratio	100	Lower	Upper
85	66.1	52.6	79.0

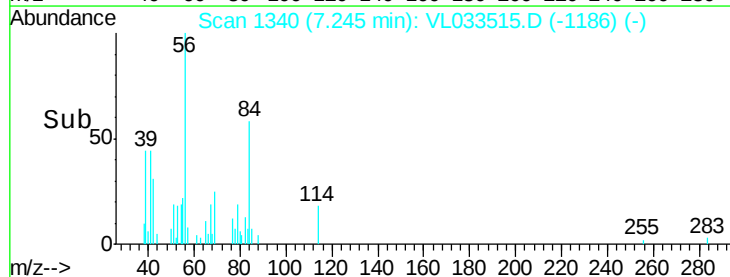
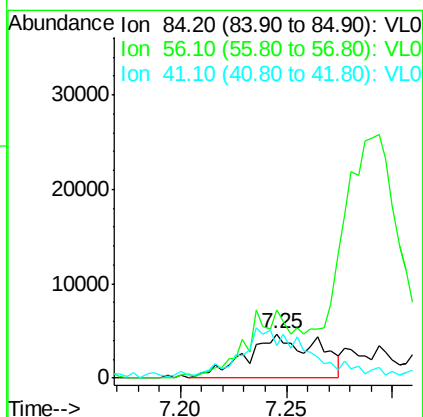
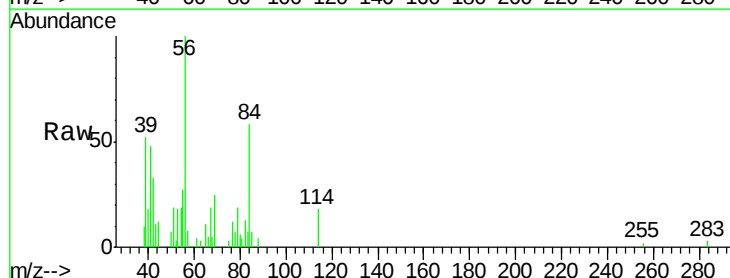
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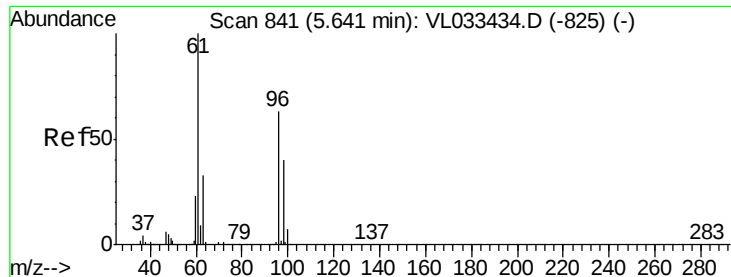
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#30
Cyclohexane
Concen: 0.166 ppbv m
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033515.D
Acq: 29 Mar 2019 23:35

Tgt Ion	84	Resp	10740
Ion Ratio	100	Lower	Upper
56	0.0	109.7	164.5#
41	118.7	68.2	102.2#





#31

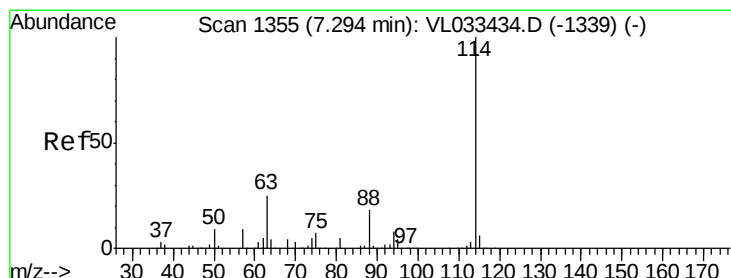
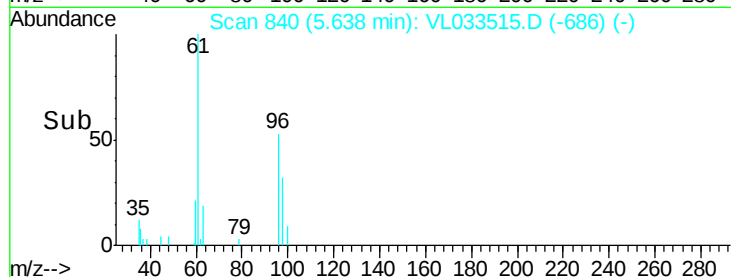
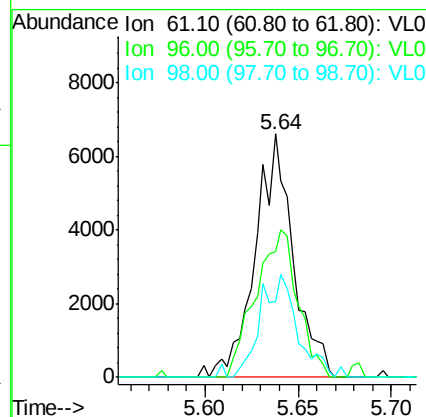
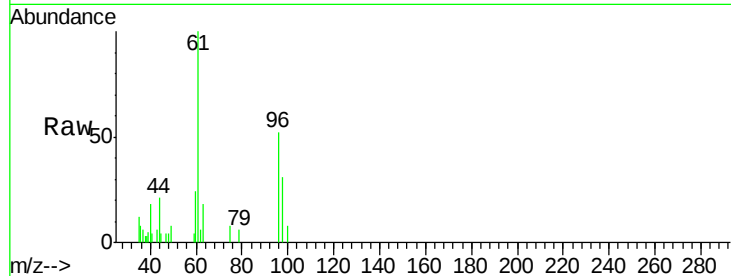
cis-1,2-Dichloroethene
 Concen: 0.116 ppbv m
 RT: 5.64 min Scan# 840
 Delta R.T. -0.00 min
 Lab File: VL033515.D
 Acq: 29 Mar 2019 23:35

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-7-NEAR-SCHOOL-ENTRANCE

Tot Ion	Ratio	Lower	Upper
61	100		
96	51.6	50.6	76.0
98	31.3	32.2	48.2#

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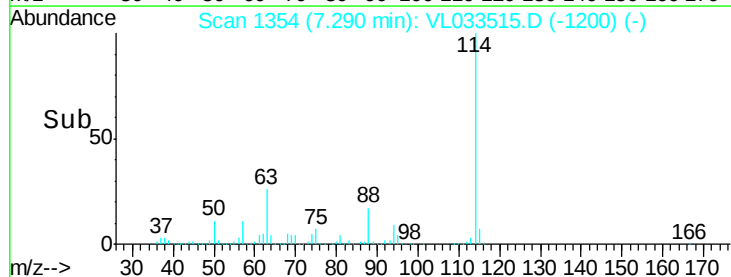
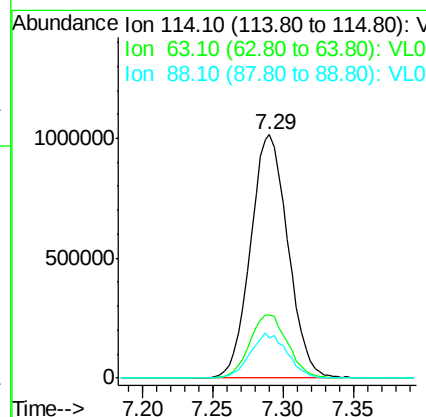
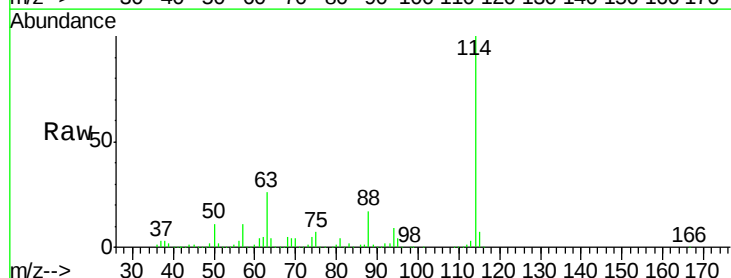
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 4/1/2019 4:03:22 AM

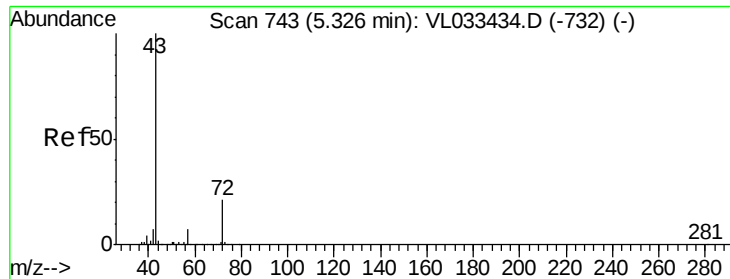


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL033515.D
 Acq: 29 Mar 2019 23:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.5	32.3
88	18.1	14.5	21.7





#34

2-Butanone

Concen: 0.957 ppbv

RT: 5.33 min Scan# 744

Delta R.T. 0.00 min

Lab File: VL033515.D

Acq: 29 Mar 2019 23:35

Instrument :

MSVOA_L

ClientSampleId :

SG-7-NEAR-SCHOOL-ENTRANCE

Tot Ion: 43 Resp: 108519

Ion Ratio Lower Upper

43 100

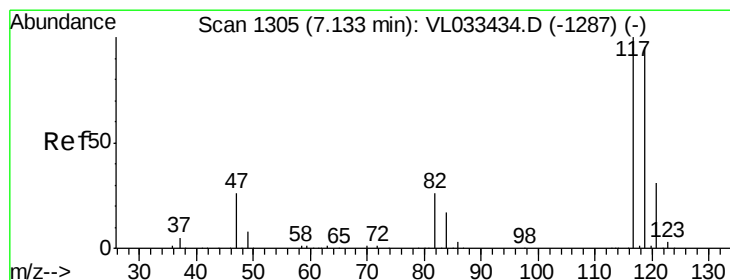
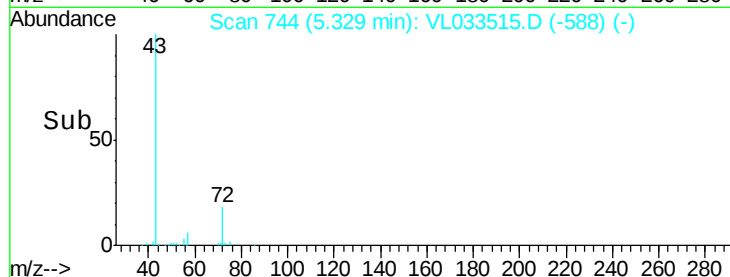
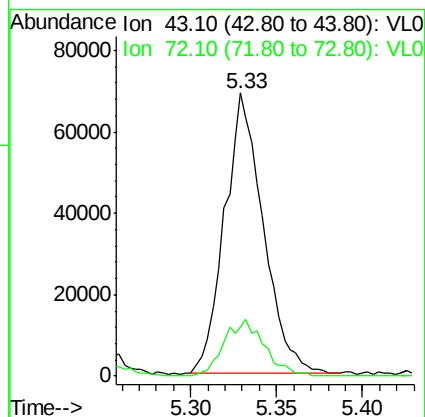
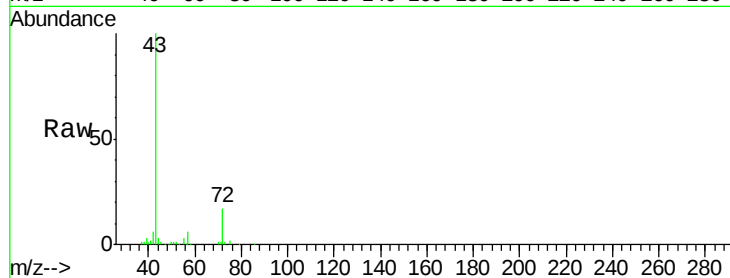
72 21.0 17.4 26.2

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#35

Carbon Tetrachloride

Concen: 0.083 ppbv

RT: 7.13 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VL033515.D

Acq: 29 Mar 2019 23:35

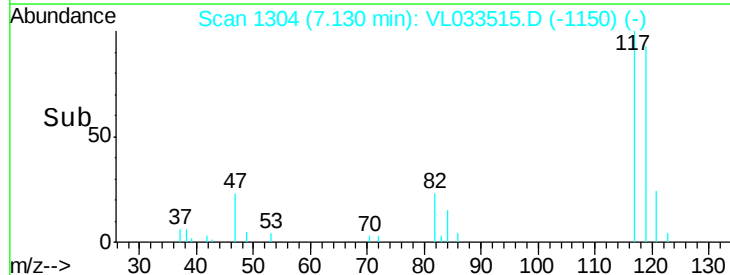
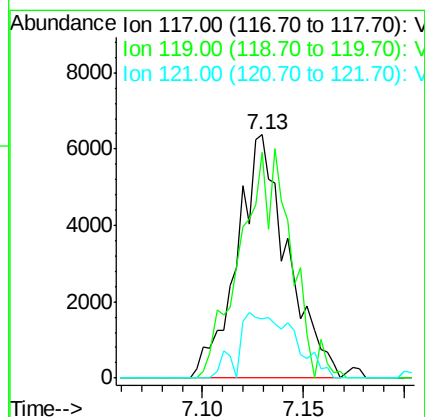
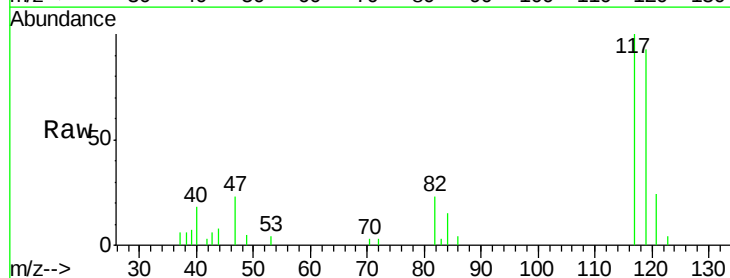
Tgt Ion: 117 Resp: 11082

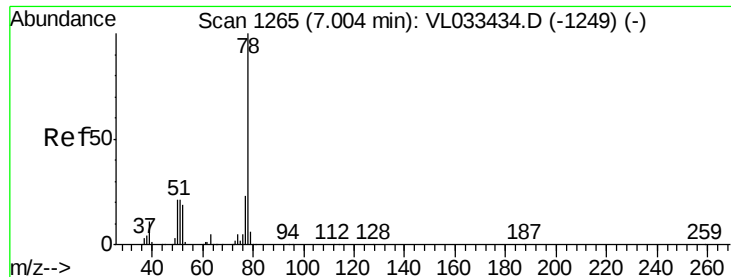
Ion Ratio Lower Upper

117 100

119 92.6 75.8 113.8

121 24.4 24.7 37.1#





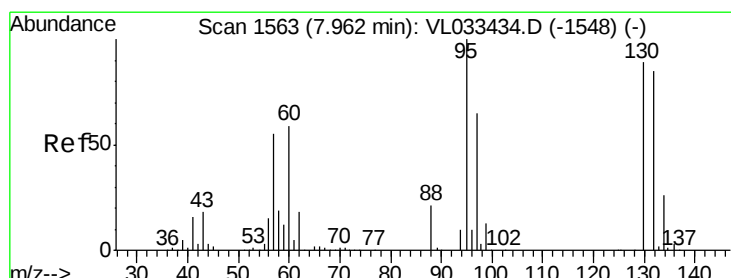
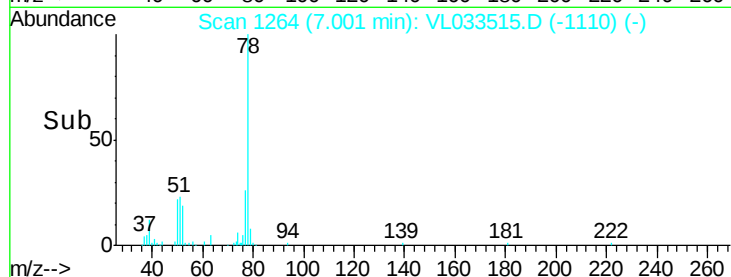
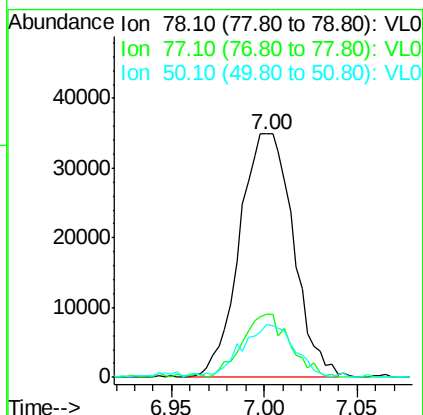
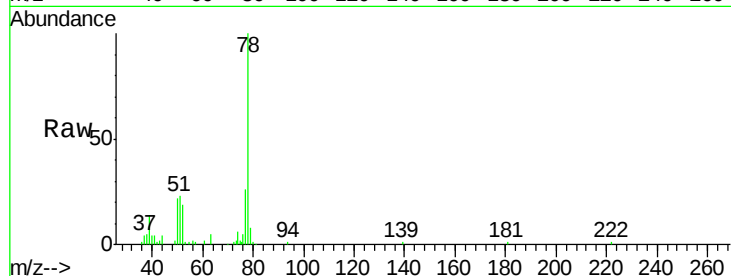
#36
Benzene
Concen: 0.445 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033515.D
Acq: 29 Mar 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :
SG-7-NEAR-SCHOOL-ENTRANCE

Tot Ion	Ratio	Lower	Upper
78	100		
77	25.2	18.1	27.1
50	20.6	16.7	25.1

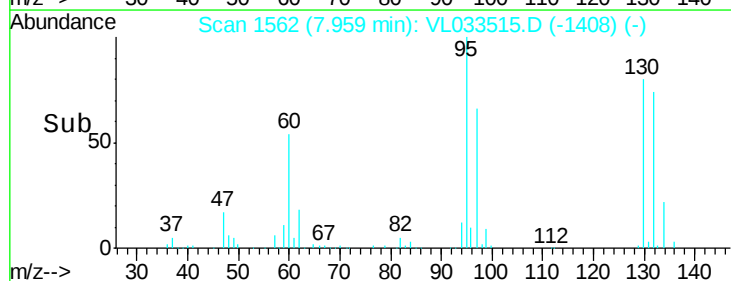
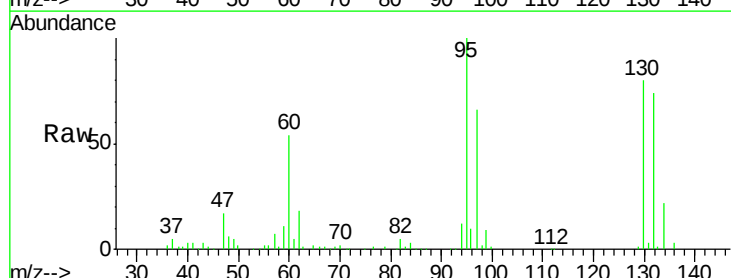
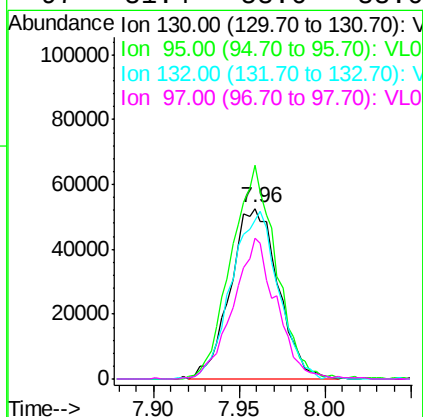
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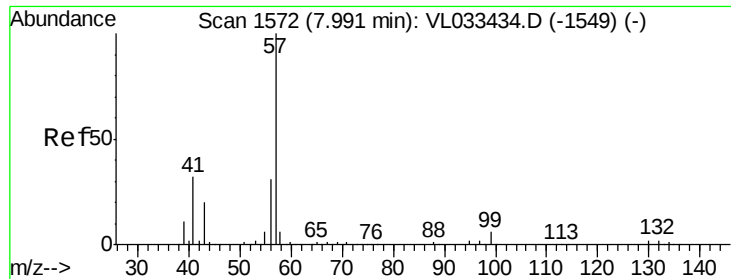
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#38
Trichloroethene
Concen: 1.705 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VL033515.D
Acq: 29 Mar 2019 23:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	124.3	89.8	134.8
132	94.0	76.6	115.0
97	81.4	58.6	88.0





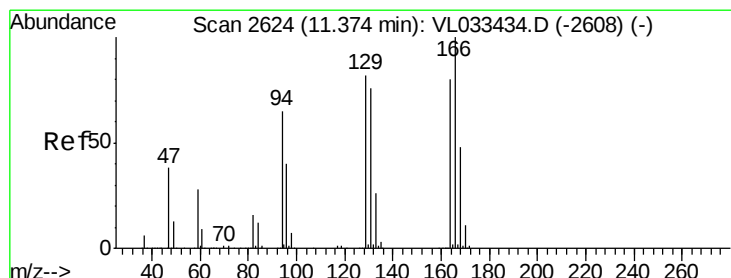
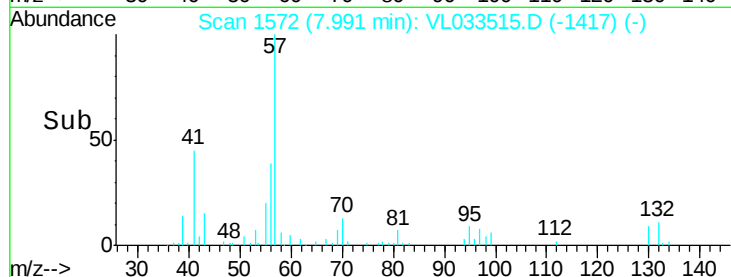
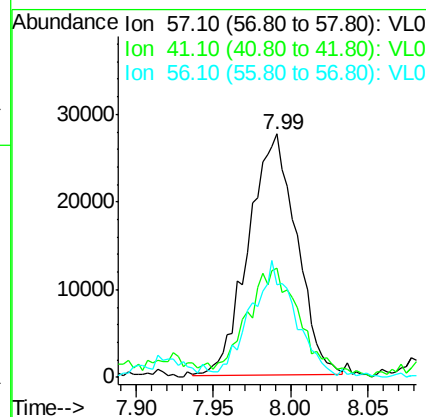
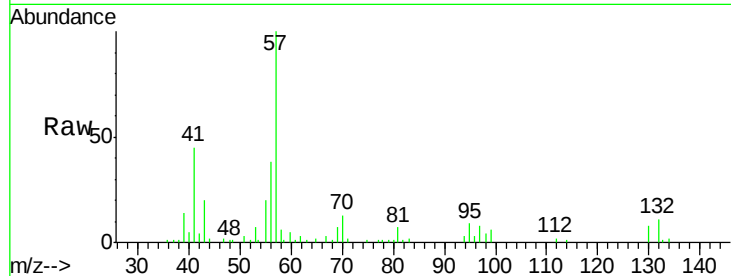
#44
 2,2,4-Trimethylpentane
 Concen: 0.216 ppbv
 RT: 7.99 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL033515.D
 Acq: 29 Mar 2019 23:35

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-7-NEAR-SCHOOL-ENTRANCE

Tot Ion	Ratio	Lower	Upper
57	100		
41	49.3	26.0	39.0#
56	47.0	24.6	37.0#

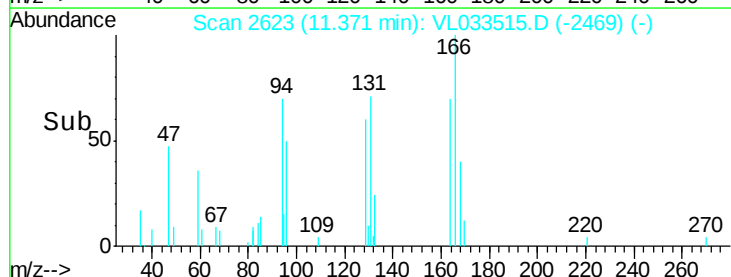
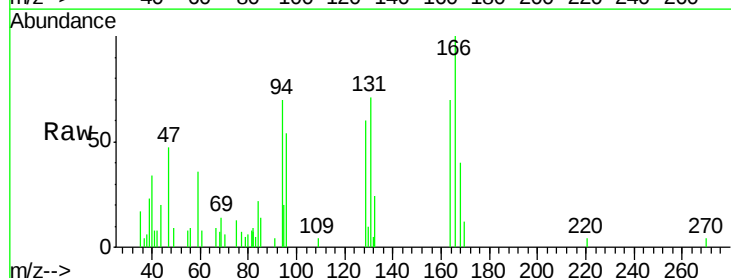
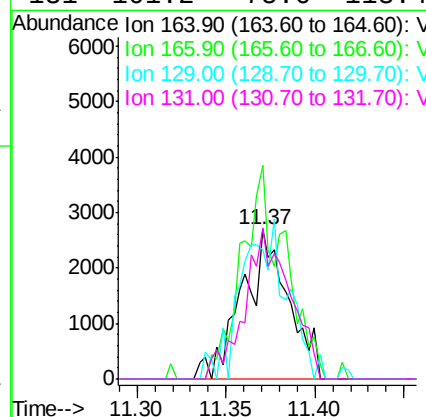
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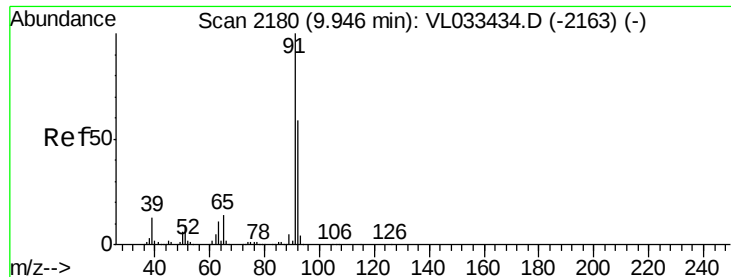
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#52
 Tetrachloroethene
 Concen: 0.081 ppbv m
 RT: 11.37 min Scan# 2623
 Delta R.T. -0.00 min
 Lab File: VL033515.D
 Acq: 29 Mar 2019 23:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	142.9	99.5	149.3
129	86.0	81.4	122.2
131	101.2	75.6	113.4





#53

Toluene

Concen: 5.003 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033515.D

Acq: 29 Mar 2019 23:35

Instrument :

MSVOA_L

ClientSampleId :

SG-7-NEAR-SCHOOL-ENTRANCE

Tot Ion: 91 Resp: 920621

Ion Ratio Lower Upper

91 100

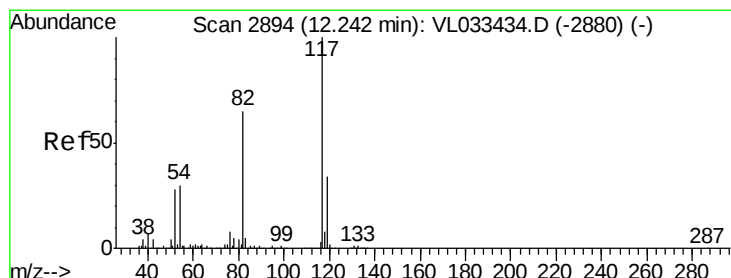
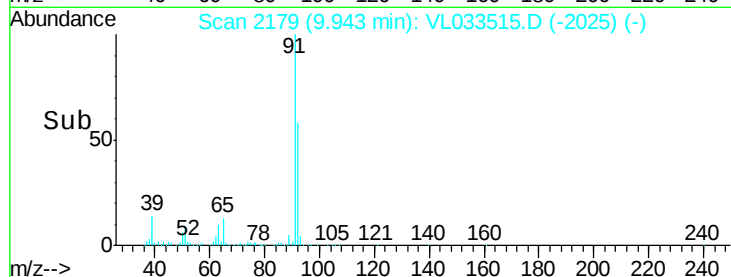
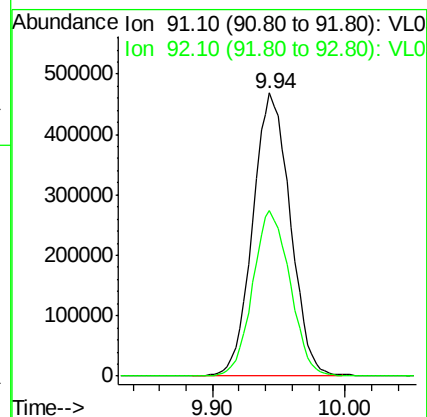
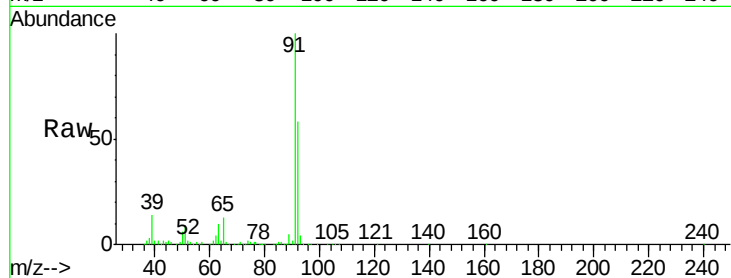
92 58.3 47.4 71.0

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2893

Delta R.T. -0.00 min

Lab File: VL033515.D

Acq: 29 Mar 2019 23:35

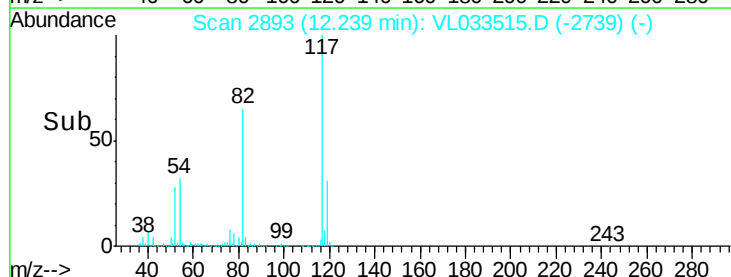
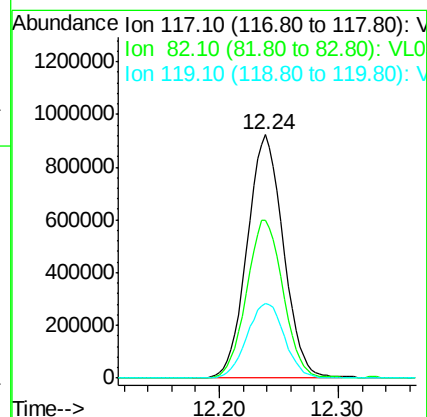
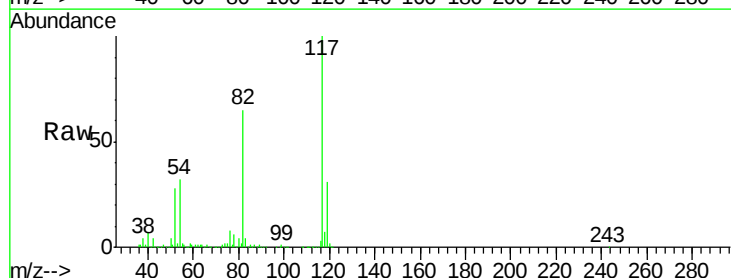
Tgt Ion: 117 Resp: 1941779

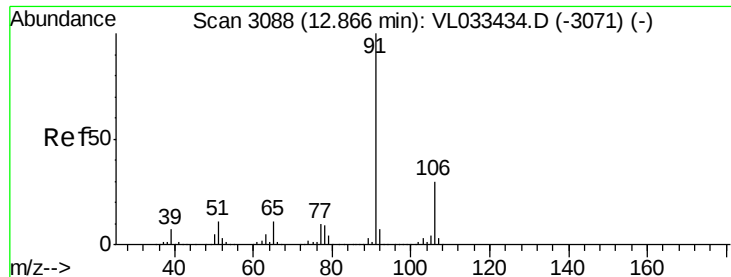
Ion Ratio Lower Upper

117 100

82 65.9 51.5 77.3

119 32.0 25.5 38.3





#58

Ethyl Benzene

Concen: 0.116 ppbv m

RT: 12.86 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VL033515.D

Acq: 29 Mar 2019 23:35

Instrument :

MSVOA_L

ClientSampleId :

SG-7-NEAR-SCHOOL-ENTRANCE

Tot Ion: 91 Resp: 30145

Ion Ratio Lower Upper

91 100

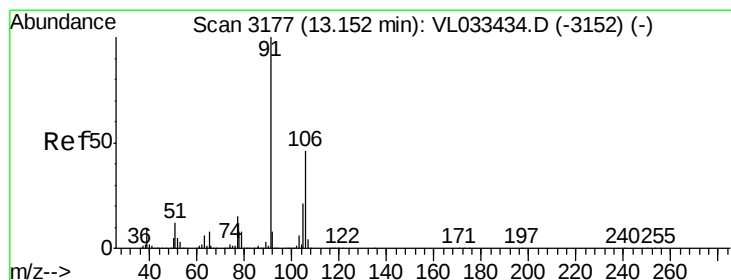
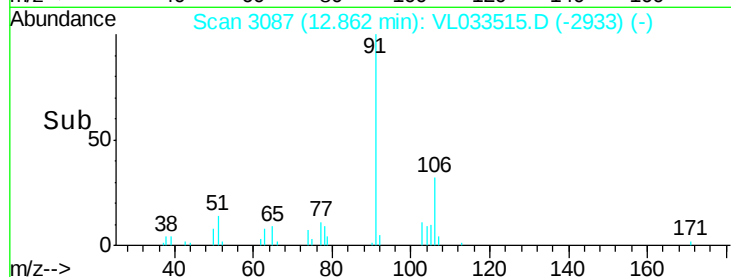
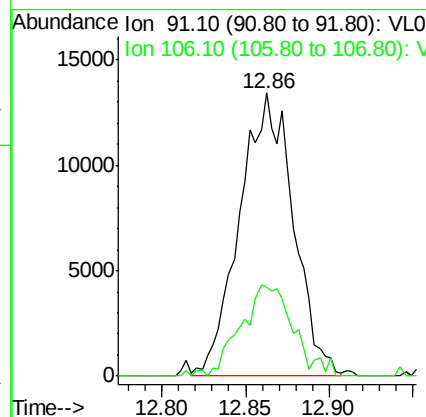
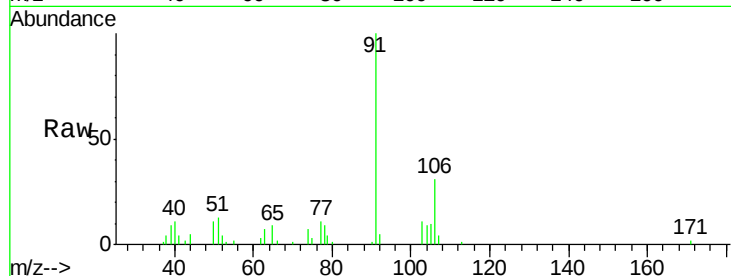
106 31.2 23.8 35.6

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#59

m/p-Xylene

Concen: 0.406 ppbv m

RT: 13.12 min Scan# 3166

Delta R.T. -0.04 min

Lab File: VL033515.D

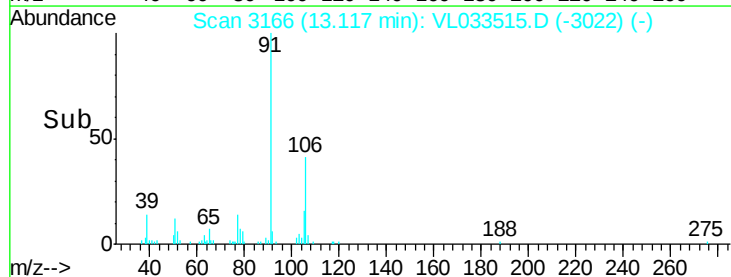
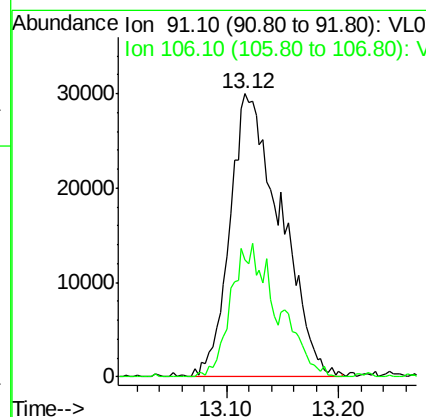
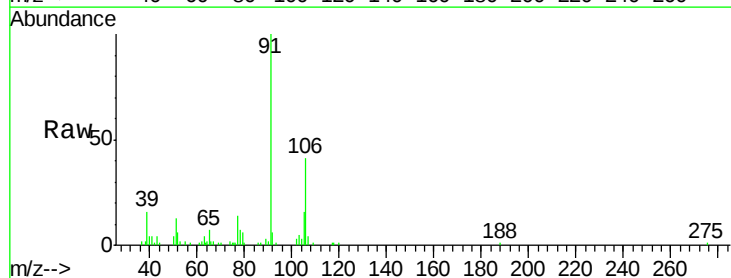
Acq: 29 Mar 2019 23:35

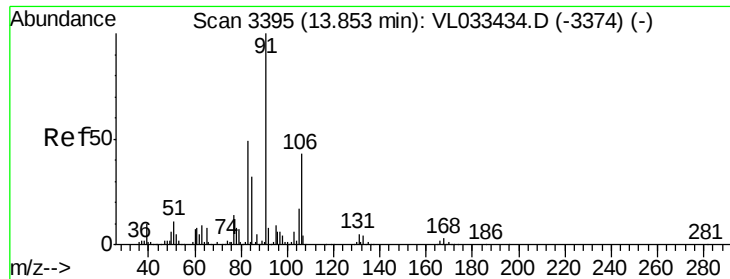
Tgt Ion: 91 Resp: 94127

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0





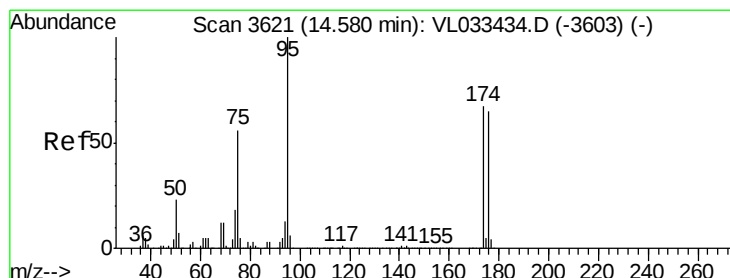
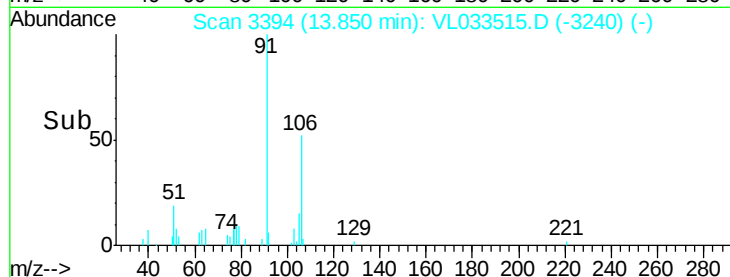
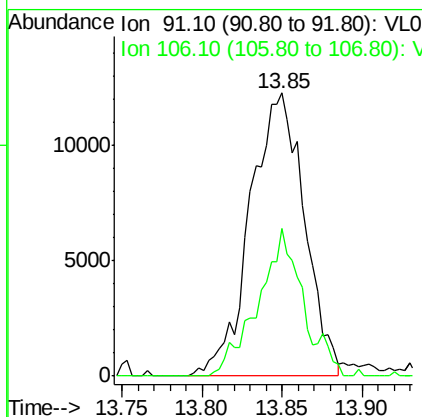
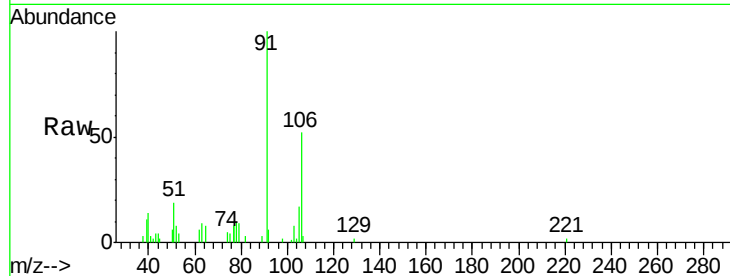
#60
o-Xylene
Concen: 0.127 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL033515.D
Acq: 29 Mar 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :
SG-7-NEAR-SCHOOL-ENTRANCE

Tot Ion: 91 Resp: 28538
Ion Ratio Lower Upper
91 100
106 43.6 21.4 64.3

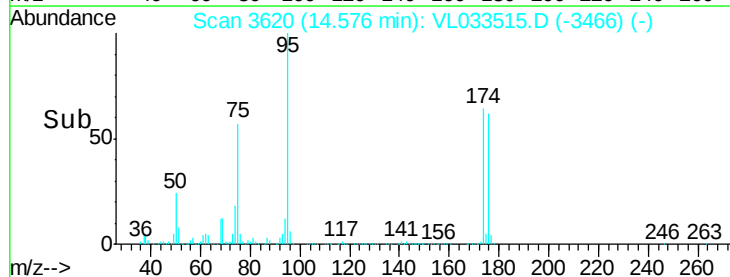
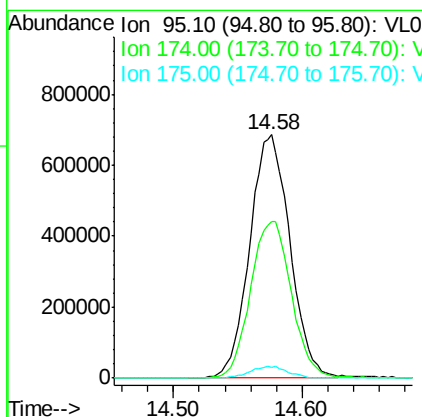
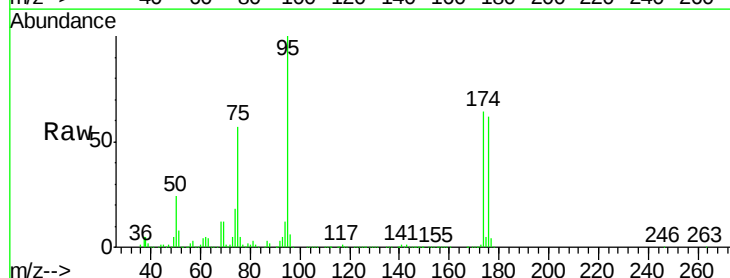
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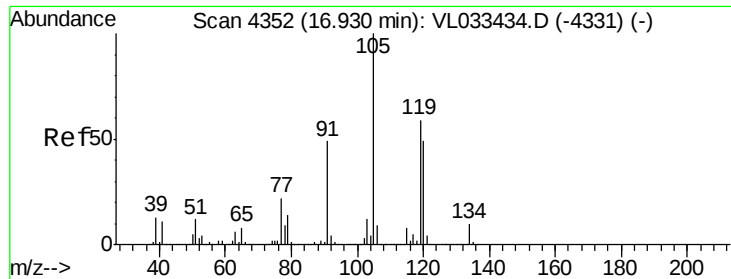
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.777 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.00 min
Lab File: VL033515.D
Acq: 29 Mar 2019 23:35

Tgt Ion: 95 Resp: 1488389
Ion Ratio Lower Upper
95 100
174 66.0 52.9 79.3
175 4.7 3.8 5.6





#74
 1,2,4-Trimethylbenzene
 Concen: 0.129 ppbv m
 RT: 16.93 min Scan# 4351
 Delta R.T. -0.00 min
 Lab File: VL033515.D
 Acq: 29 Mar 2019 23:35

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-7-NEAR-SCHOOL-ENTRANCE

Tot Ion	Ratio	Resp Lower	Resp Upper
105	100		
120	45.6	39.0	58.6
91	10.7	40.0	60.0#
77	17.4	17.5	26.3#

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