

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052819\
 Data File : VL033831.D
 Acq On : 29 May 2019 10:09
 Operator : SY/AP
 Sample : K2960-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-DUP02

Manual Integrations
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Quant Time: May 30 01:39:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

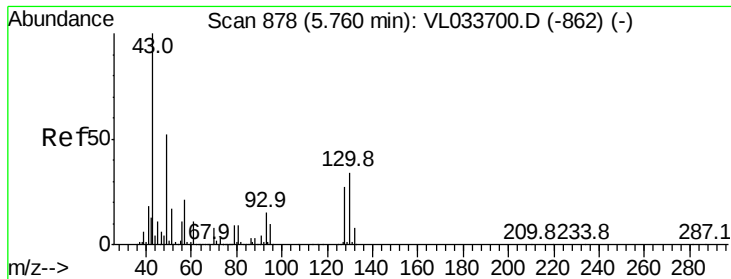
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	773227	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1899128	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2074596	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1712029	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	31488	0.193	ppbv	96
3) Chlorodifluoromethane	3.01	51	29784	0.336	ppbv	97
4) Chloromethane	3.16	50	25064	0.495	ppbv	94
9) Propene	3.03	41	2626061	69.708	ppbv	92
10) Heptane	8.24	43	254599	2.387	ppbv	99
11) Trichlorofluoromethane	4.00	101	849786	5.464	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	11155m	0.103	ppbv	
13) Ethanol	3.65	45	290042	23.820	ppbv	98
15) Acetone	3.89	43	12513324	116.640	ppbv #	82
17) tert-Butyl alcohol	4.36	59	155457	1.792	ppbv #	93
20) Methylene Chloride	4.41	84	58510	1.417	ppbv	97
26) Hexane	5.78	57	319729	3.946	ppbv #	38
27) Carbon Disulfide	4.62	76	292534	2.632	ppbv	97
30) Cyclohexane	7.24	84	30675	0.450	ppbv #	57
32) 1,1,1-Trichloroethane	6.62	97	5364m	0.036	ppbv	
34) 2-Butanone	5.32	43	1426981	12.122	ppbv	100
35) Carbon Tetrachloride	7.13	117	8467m	0.056	ppbv	
36) Benzene	7.00	78	362094	2.096	ppbv	98
38) Trichloroethene	7.95	130	19825m	0.309	ppbv	
41) Tetrahydrofuran	6.15	42	20339m	0.308	ppbv	
44) 2,2,4-Trimethylpentane	7.99	57	77640	0.266	ppbv #	55
50) 4-Methyl-2-Pentanone	8.87	43	81335	0.449	ppbv	99
51) 2-Hexanone	10.26	43	151870	1.075	ppbv #	91
52) Tetrachloroethene	11.36	164	12243m	0.202	ppbv	
53) Toluene	9.94	91	2055907	11.034	ppbv	100
58) Ethyl Benzene	12.86	91	465338	1.694	ppbv	98
59) m/p-Xylene	13.11	91	1591000	6.625	ppbv	98
60) o-Xylene	13.84	91	540533	2.233	ppbv	99
64) n-propylbenzene	15.72	120	32295m	0.383	ppbv	
70) n-Butylbenzene	18.72	91	86690m	0.235	ppbv	
72) 4-Ethyltoluene	15.99	105	214738	0.776	ppbv #	97
73) 1,3,5-Trimethylbenzene	16.15	105	172081	0.637	ppbv	94
74) 1,2,4-Trimethylbenzene	16.92	105	747241	2.542	ppbv #	76
75) 1,3-Dichlorobenzene	17.16	146	78087	0.434	ppbv #	76
79) Naphthalene	22.41	128	219432m	0.804	ppbv	
80) Naphthalene,2-methyl-	25.10	142	27308	0.263	ppbv	96

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.00 min

Lab File: VL033831.D

Acq: 29 May 2019 10:09

Instrument :

MSVOA_L

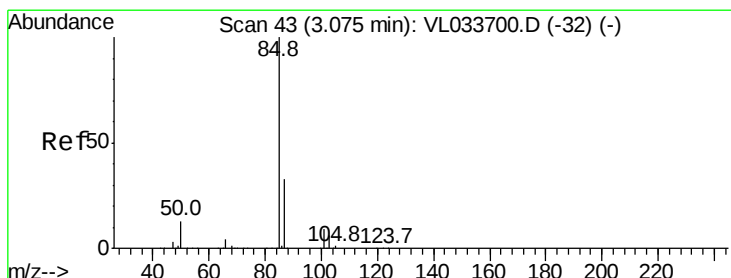
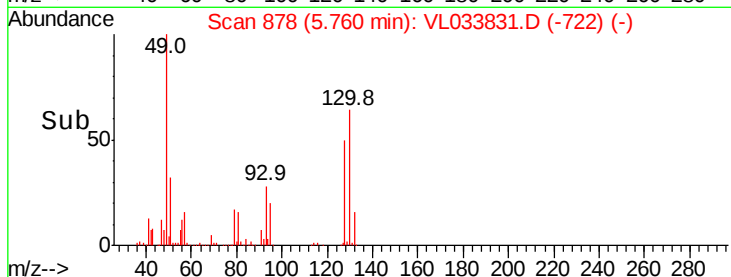
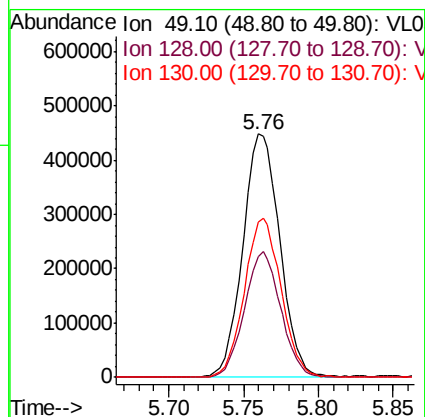
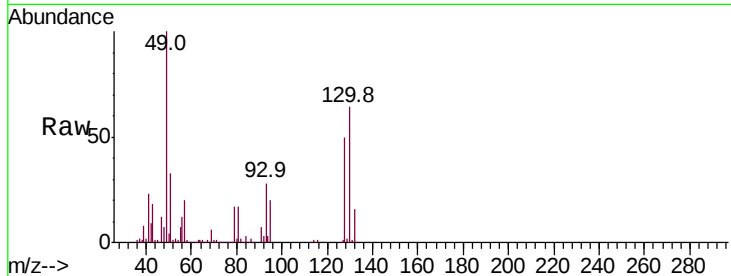
ClientSampleID :

BPS1-DUP02

Tot Ion:	49	Resp:	773227
Ion Ratio	Lower	Upper	
49	100		
128	50.8	25.2	75.6
130	65.1	32.5	97.5

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#2

Dichlorodifluoromethane

Concen: 0.193 ppbv

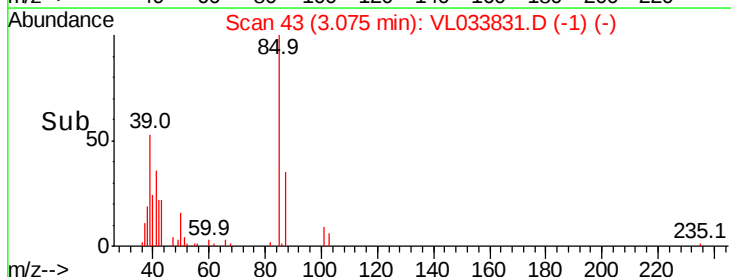
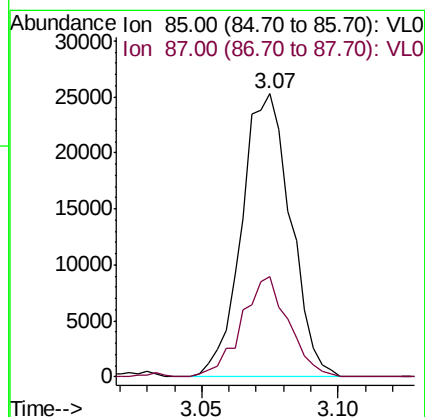
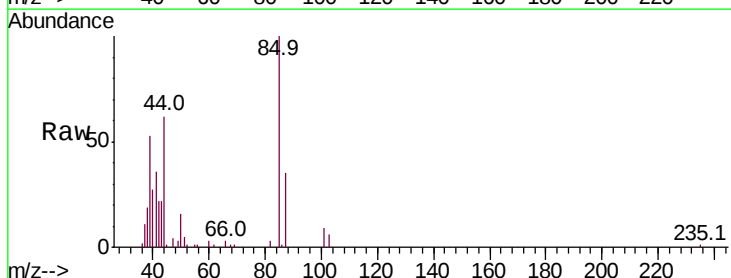
RT: 3.07 min Scan# 43

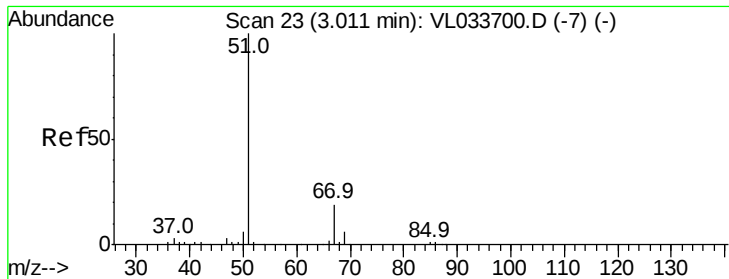
Delta R.T. 0.00 min

Lab File: VL033831.D

Acq: 29 May 2019 10:09

Tgt Ion:	85	Resp:	31488
Ion Ratio	Lower	Upper	
85	100		
87	35.3	26.3	39.5





#3

Chlorodifluoromethane

Concen: 0.336 ppbv

RT: 3.01 min Scan# 23

Delta R.T. 0.00 min

Lab File: VL033831.D

Acq: 29 May 2019 10:09

Instrument :

MSVOA_L

ClientSampleId :

BPS1-DUP02

Tot Ion: 51 Resp: 29784

Ion Ratio Lower Upper

51 100

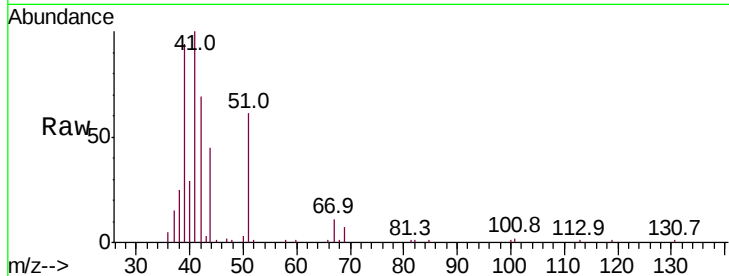
67 18.1 15.6 23.4

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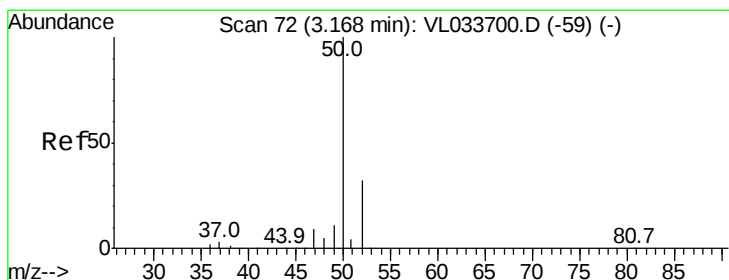
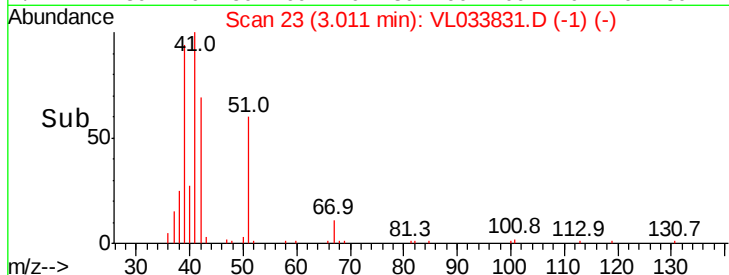
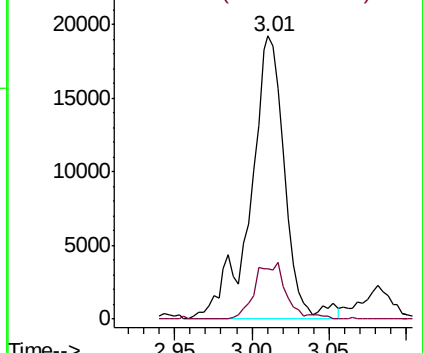
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.495 ppbv

RT: 3.16 min Scan# 71

Delta R.T. -0.00 min

Lab File: VL033831.D

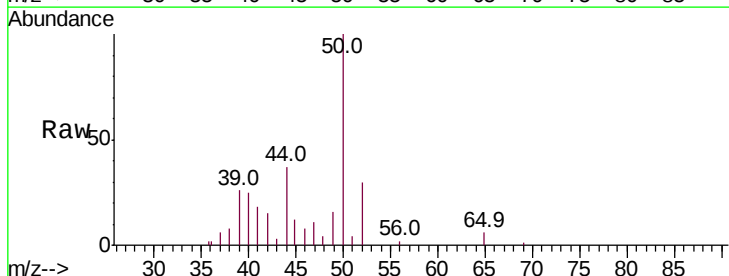
Acq: 29 May 2019 10:09

Tgt Ion: 50 Resp: 25064

Ion Ratio Lower Upper

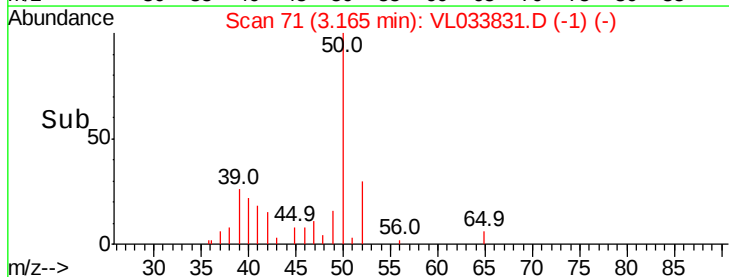
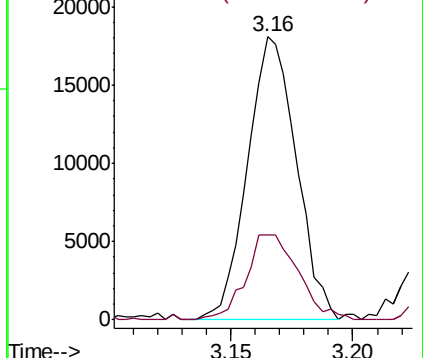
50 100

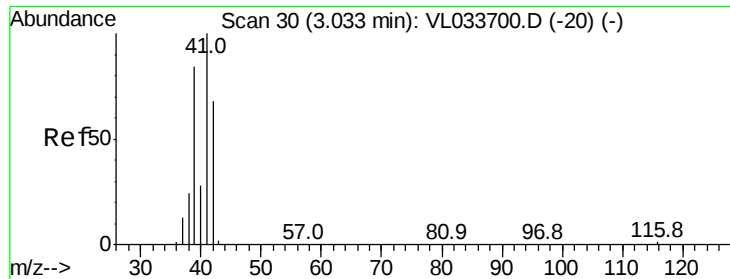
52 28.9 25.7 38.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 69.708 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033831.D

Acq: 29 May 2019 10:09

Instrument :

MSVOA_L

ClientSampleId :

BPS1-DUP02

Tot Ion: 41 Resp: 2626061

Ion Ratio Lower Upper

41 100

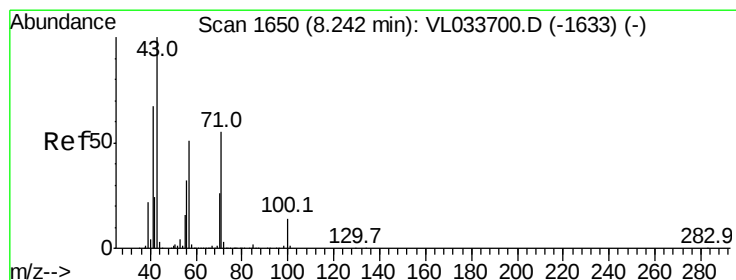
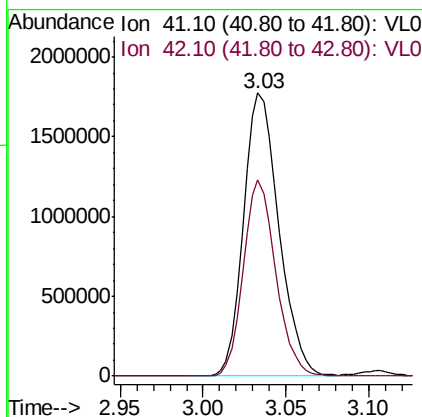
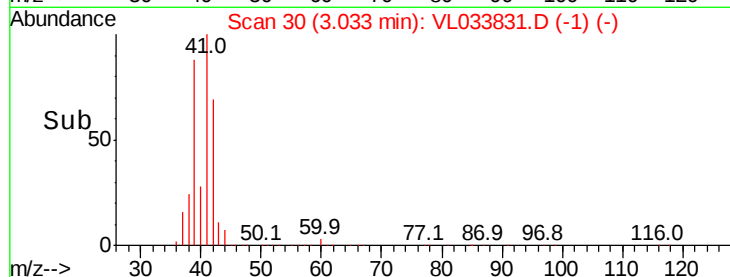
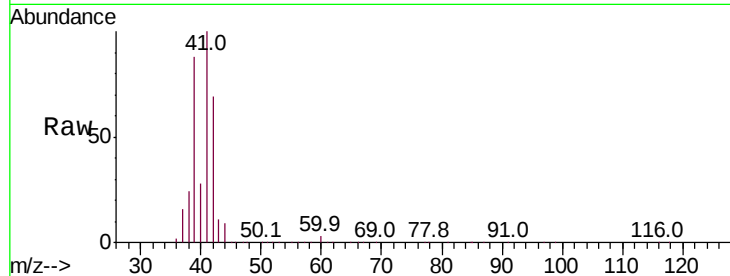
42 63.8 56.1 84.1

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#10

Heptane

Concen: 2.387 ppbv

RT: 8.24 min Scan# 1648

Delta R.T. -0.01 min

Lab File: VL033831.D

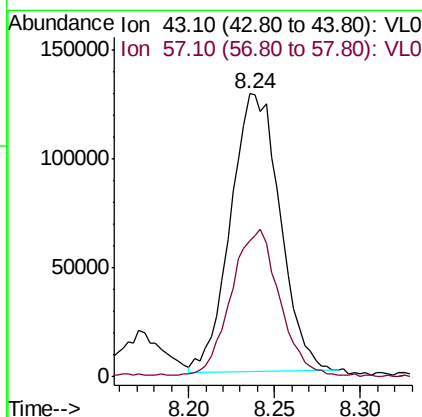
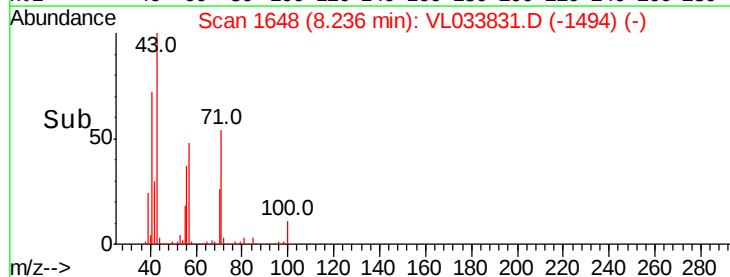
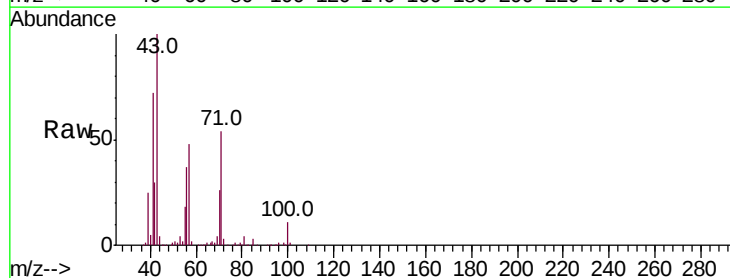
Acq: 29 May 2019 10:09

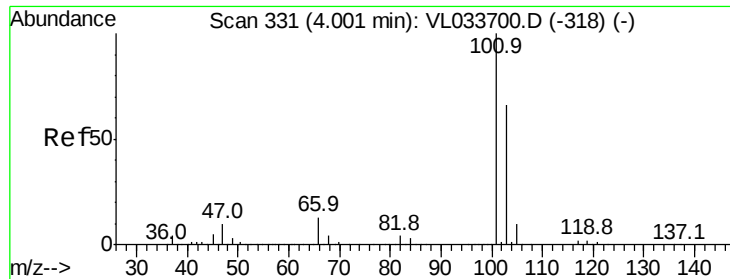
Tgt Ion: 43 Resp: 254599

Ion Ratio Lower Upper

43 100

57 52.6 41.4 62.0





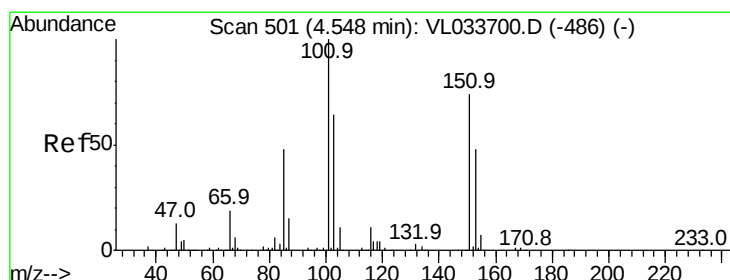
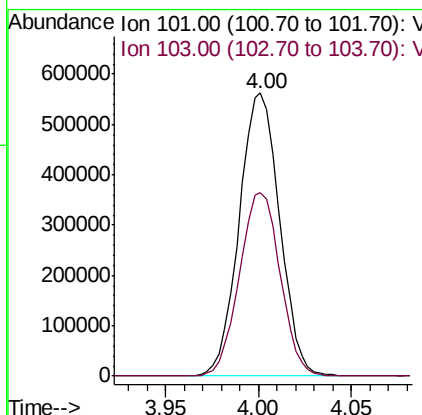
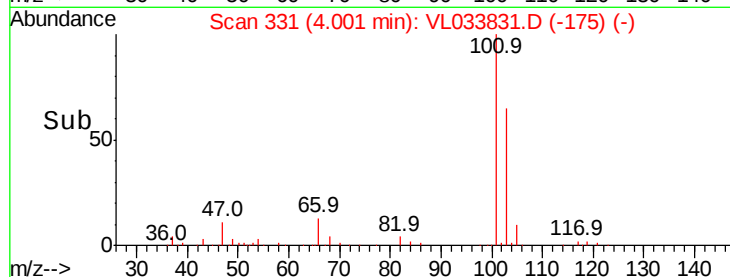
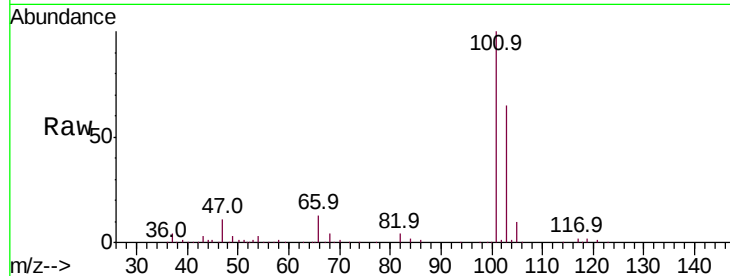
#11
 Trichlorofluoromethane
 Concen: 5.464 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. 0.00 min
 Lab File: VL033831.D
 Acq: 29 May 2019 10:09

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-DUP02

Tot Ion:101 Resp: 849786
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.6 78.8

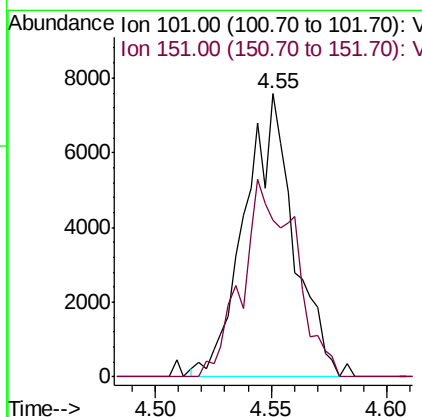
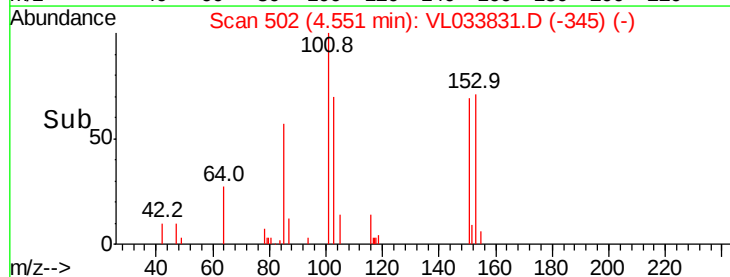
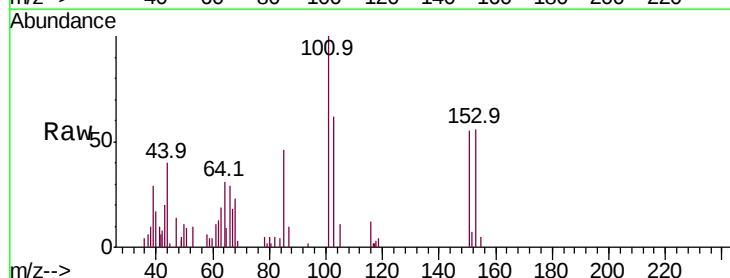
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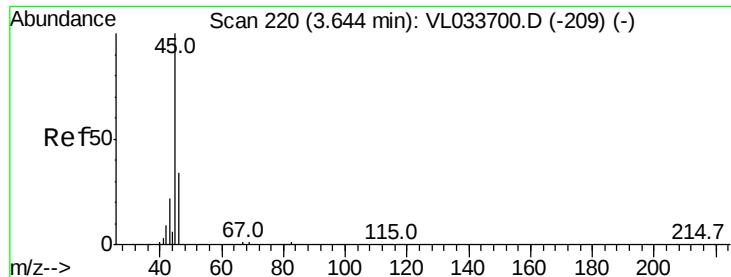
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.103 ppbv m
 RT: 4.55 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VL033831.D
 Acq: 29 May 2019 10:09

Tgt Ion:101 Resp: 11155
 Ion Ratio Lower Upper
 101 100
 151 13.1 58.2 87.4#





#13

Ethanol

Concen: 23.820 ppbv

RT: 3.65 min Scan# 222

Delta R.T. 0.01 min

Lab File: VL033831.D

Acq: 29 May 2019 10:09

Instrument :

MSVOA_L

ClientSampleId :

BPS1-DUP02

Tot Ion: 45 Resp: 290042

Ion Ratio Lower Upper

45 100

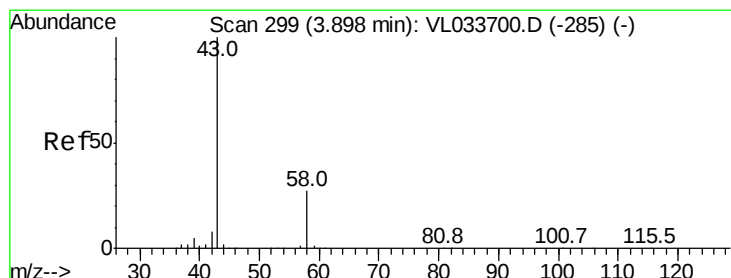
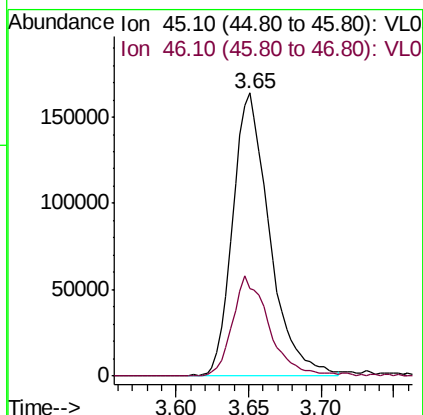
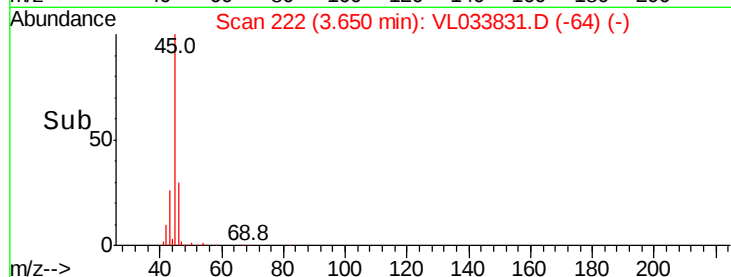
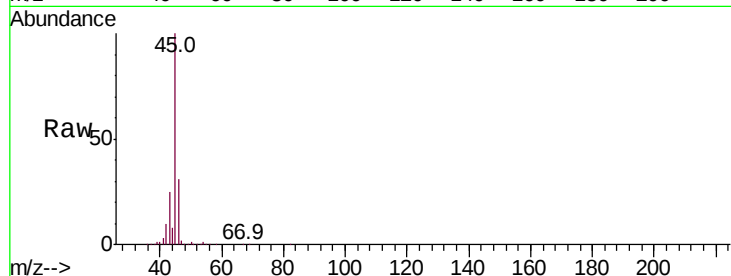
46 35.8 14.8 59.0

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#15

Acetone

Concen: 116.640 ppbv

RT: 3.89 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL033831.D

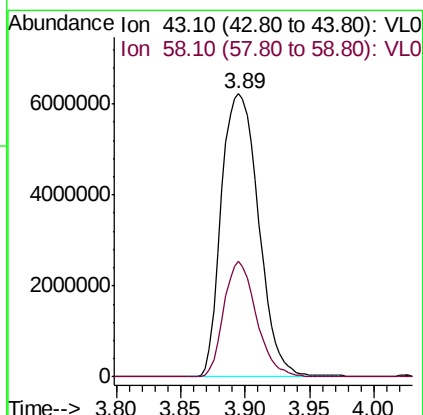
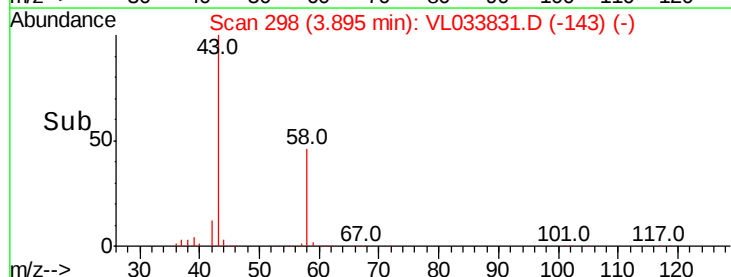
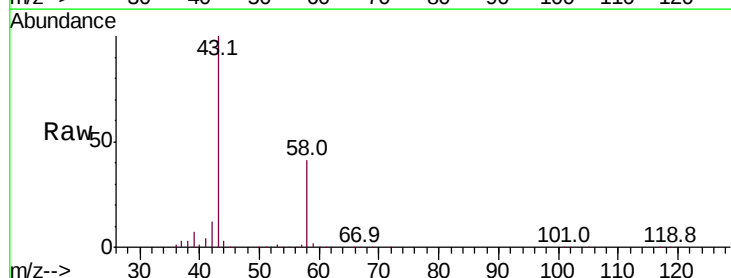
Acq: 29 May 2019 10:09

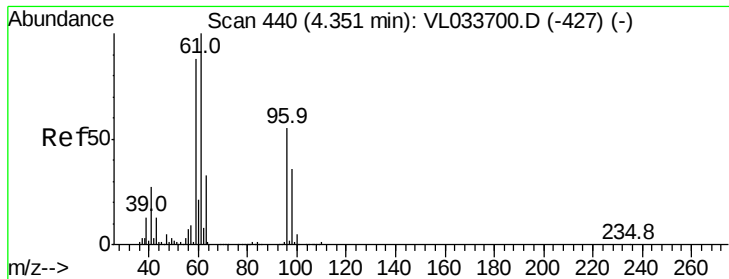
Tgt Ion: 43 Resp: 12513324

Ion Ratio Lower Upper

43 100

58 36.0 21.3 31.9#





#17

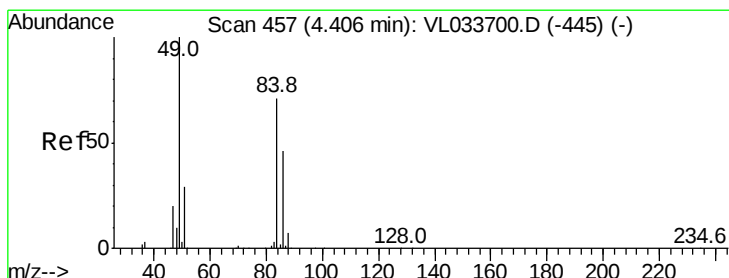
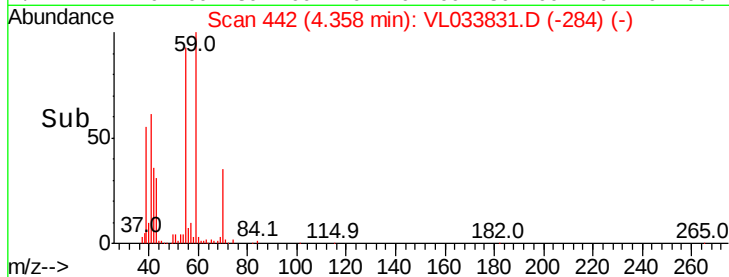
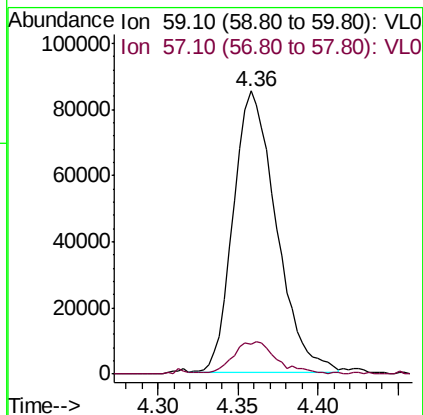
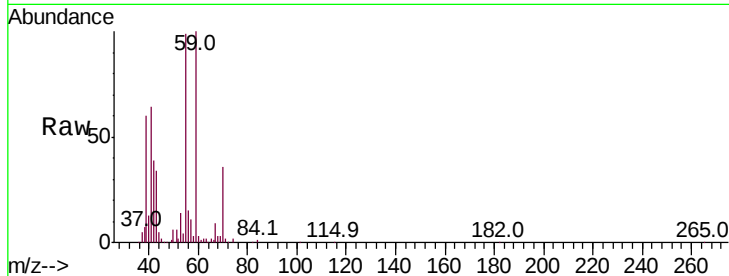
tert-Butyl alcohol
Concen: 1.792 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.01 min
Lab File: VL033831.D
Acq: 29 May 2019 10:09

Instrument :
MSVOA_L
ClientSampleID :
BPS1-DUP02

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.3	8.4	12.6#

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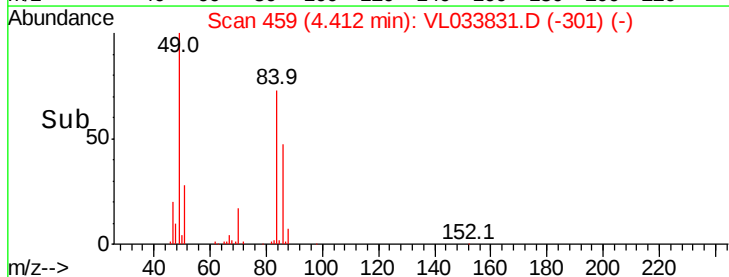
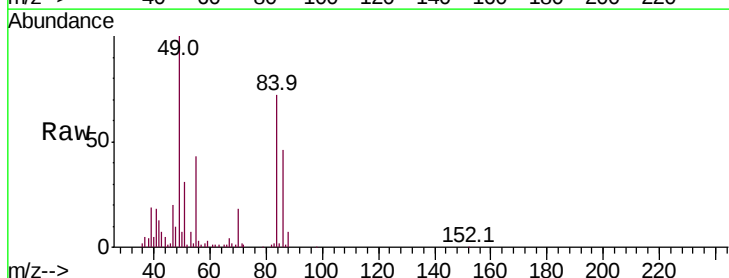
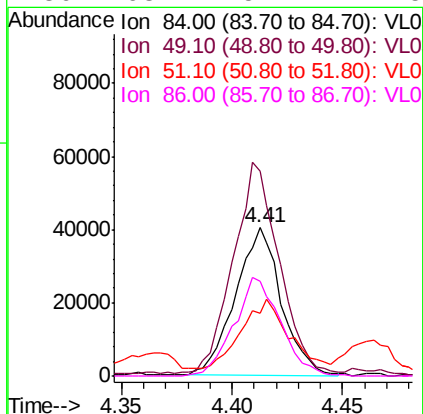
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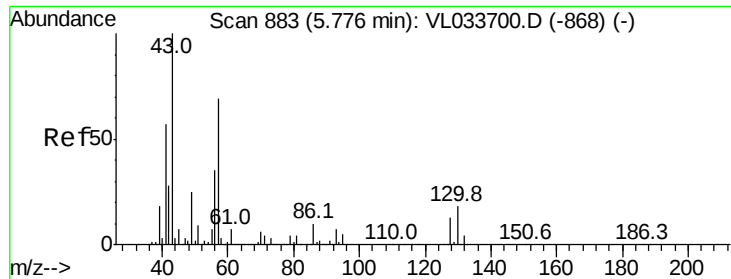


#20

Methylene Chloride
Concen: 1.417 ppbv
RT: 4.41 min Scan# 459
Delta R.T. 0.01 min
Lab File: VL033831.D
Acq: 29 May 2019 10:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.0	112.8	169.2
51	37.9	33.4	50.0
86	63.7	51.7	77.5





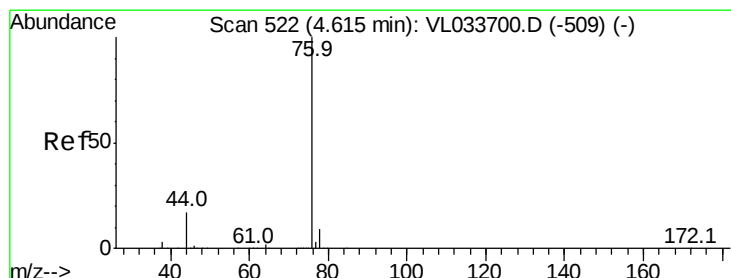
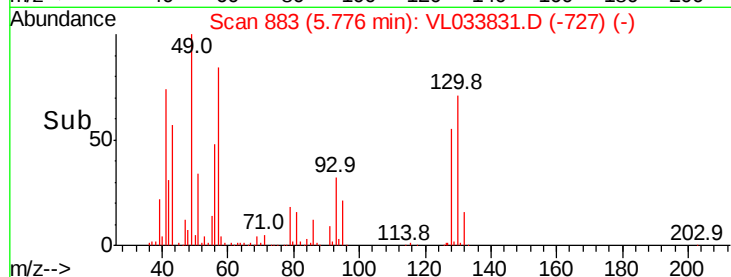
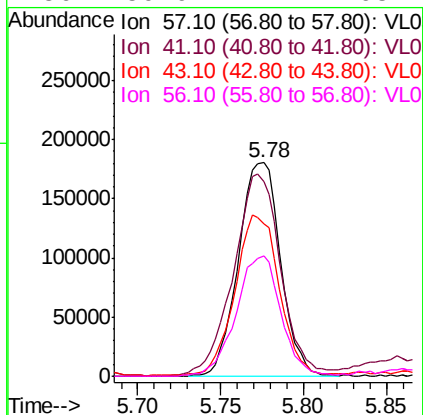
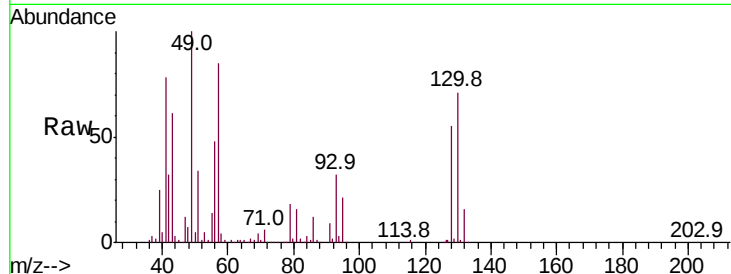
#26
Hexane
Concen: 3.946 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033831.D
Acq: 29 May 2019 10:09

Instrument :
MSVOA_L
ClientSampled :
BPS1-DUP02

Tot Ion	Ratio	Lower	Upper
57	100		
41	105.2	69.8	104.6#
43	79.2	181.8	272.6#
56	59.9	42.1	63.1

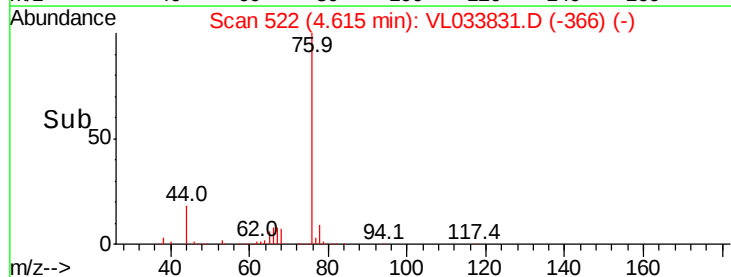
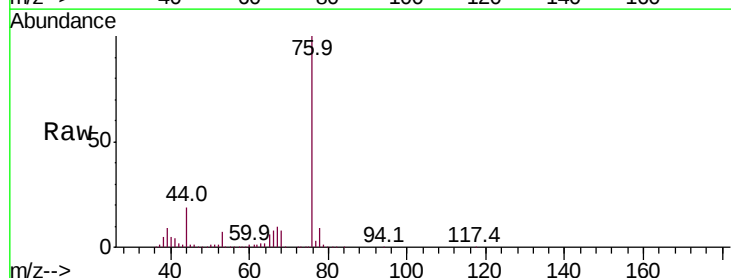
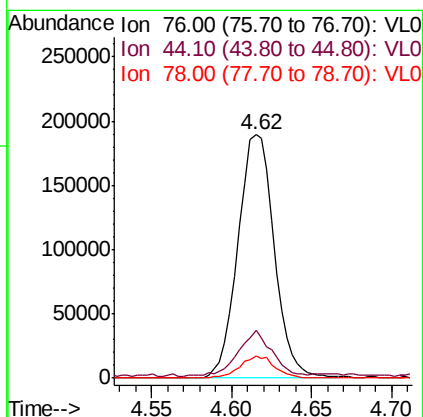
Manual Integrations
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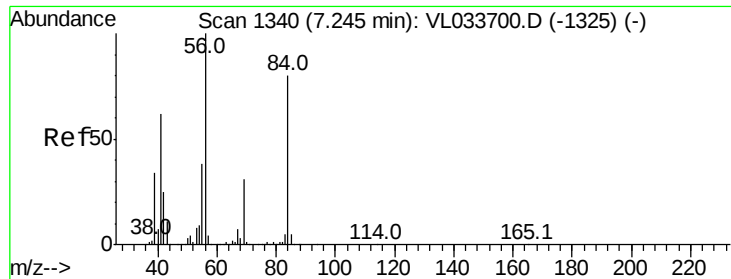
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#27
Carbon Disulfide
Concen: 2.632 ppbv
RT: 4.62 min Scan# 522
Delta R.T. 0.00 min
Lab File: VL033831.D
Acq: 29 May 2019 10:09

Tgt Ion	Ratio	Lower	Upper
76	100		
44	18.9	13.8	20.8
78	9.0	7.4	11.0





#30

Cyclohexane

Concen: 0.450 ppbv

RT: 7.24 min Scan# 1338

Delta R.T. -0.01 min

Lab File: VL033831.D

Acq: 29 May 2019 10:09

Instrument :

MSVOA_L

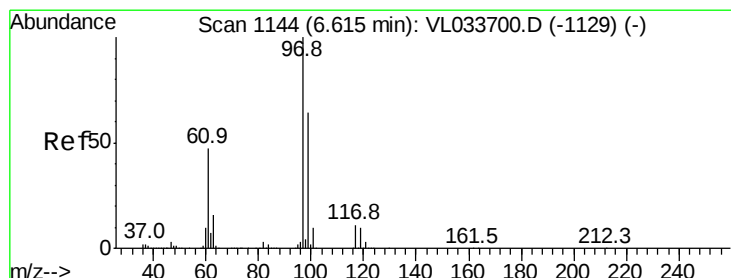
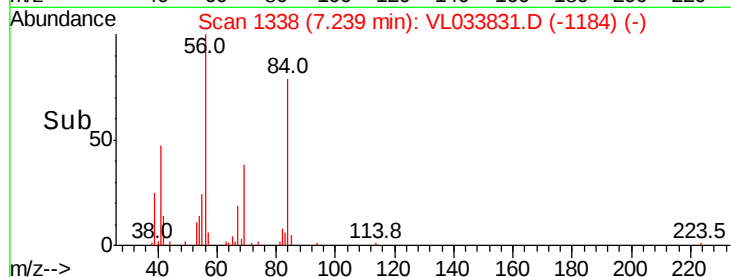
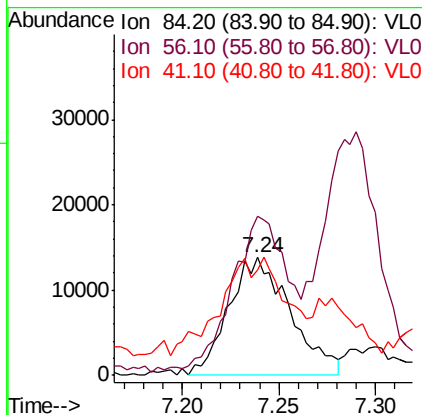
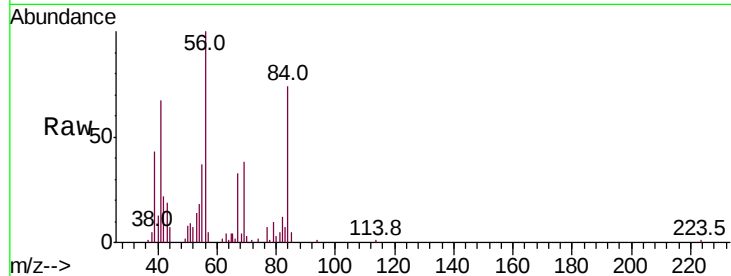
ClientSampleId :

BPS1-DUP02

Tot Ion	Ratio	Lower	Upper
84	100		
56	108.6	107.7	161.5
41	151.8	66.0	99.0#

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#32

1,1,1-Trichloroethane

Concen: 0.036 ppbv m

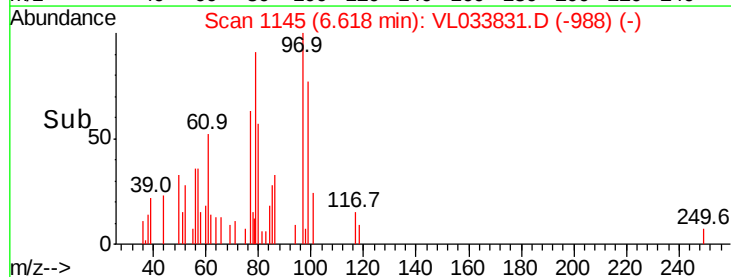
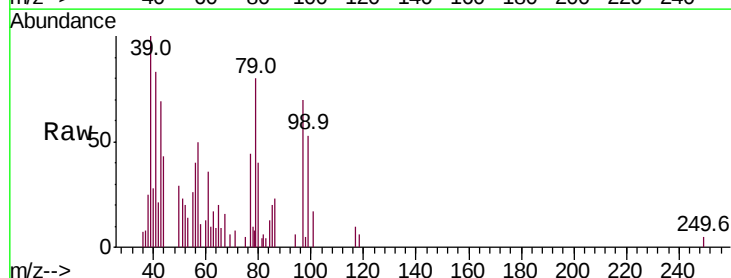
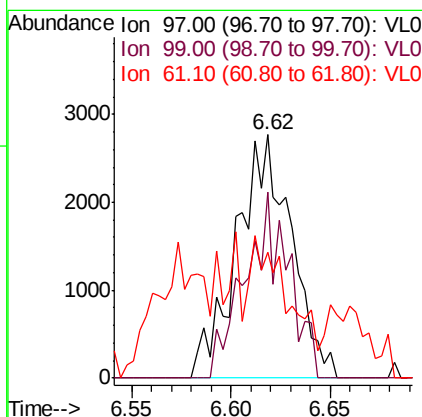
RT: 6.62 min Scan# 1145

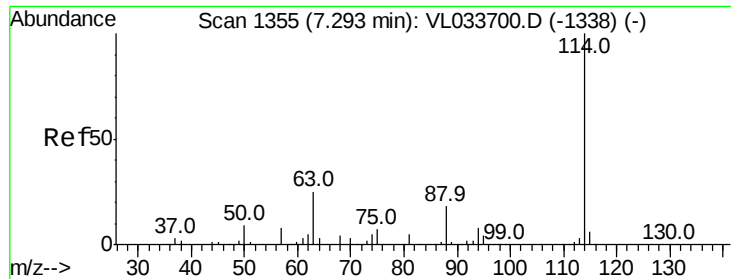
Delta R.T. 0.00 min

Lab File: VL033831.D

Acq: 29 May 2019 10:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.0	51.5	77.3
61	43.2	37.8	56.8





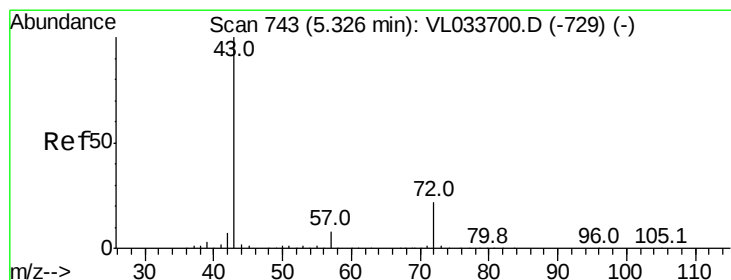
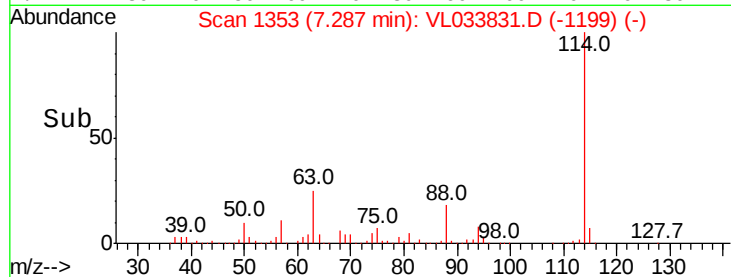
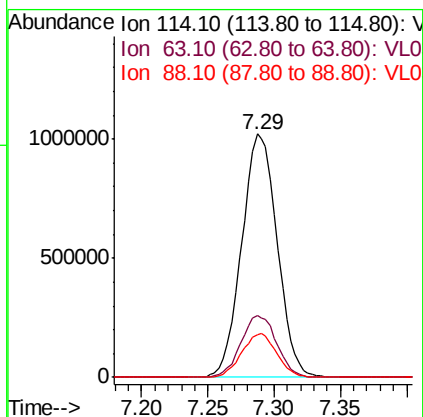
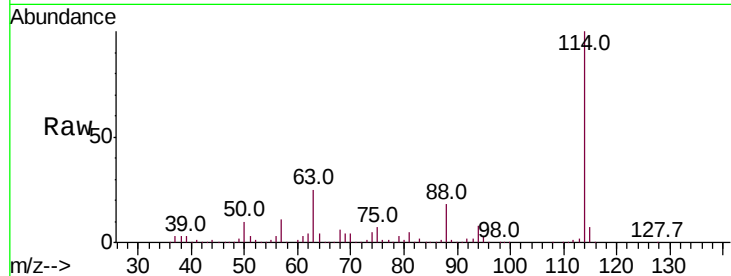
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033831.D
 Acq: 29 May 2019 10:09

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-DUP02

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.9	31.3
88	17.8	14.3	21.5

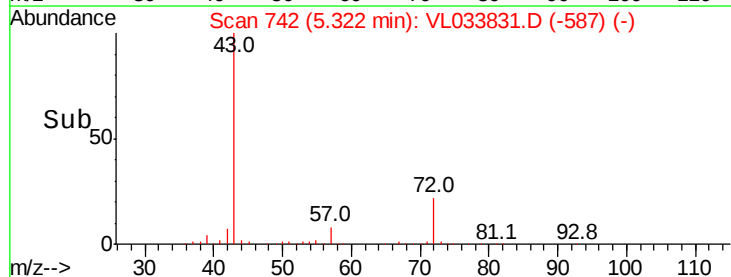
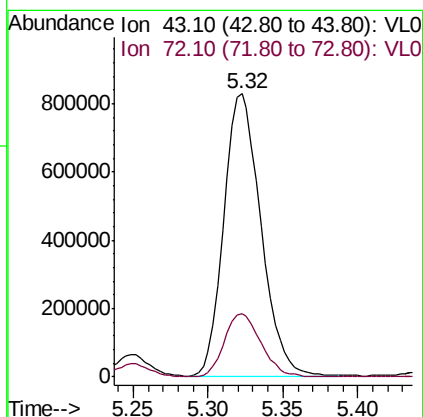
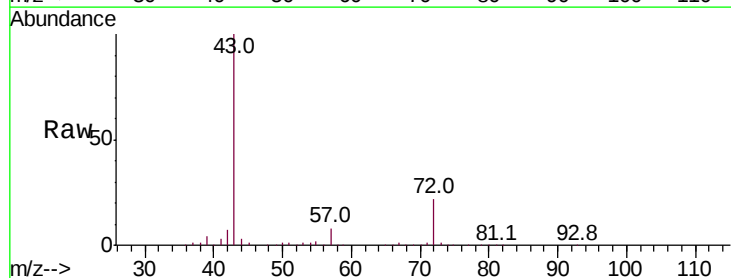
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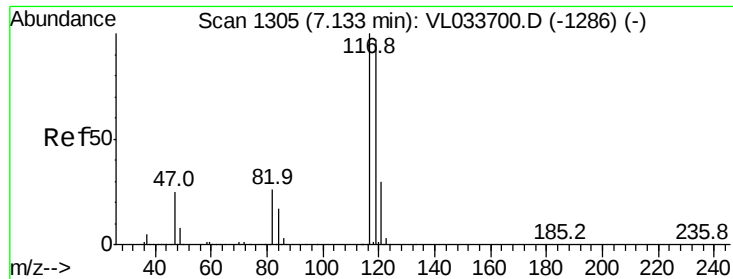
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#34
 2-Butanone
 Concen: 12.122 ppbv
 RT: 5.32 min Scan# 742
 Delta R.T. -0.00 min
 Lab File: VL033831.D
 Acq: 29 May 2019 10:09

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.8	26.6





#35

Carbon Tetrachloride

Concen: 0.056 ppbv m

RT: 7.13 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VL033831.D

Acq: 29 May 2019 10:09

Instrument :

MSVOA_L

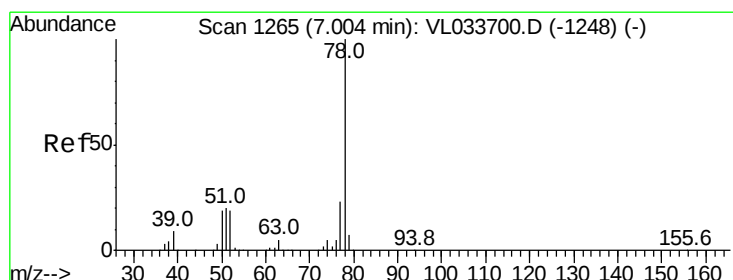
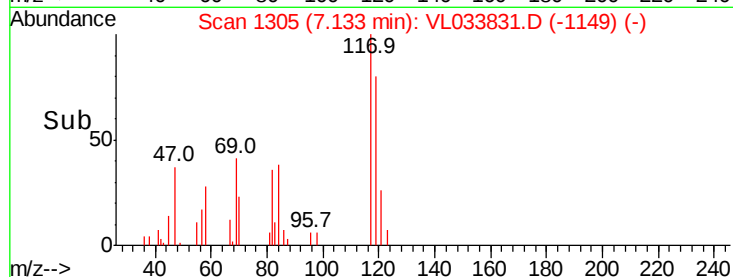
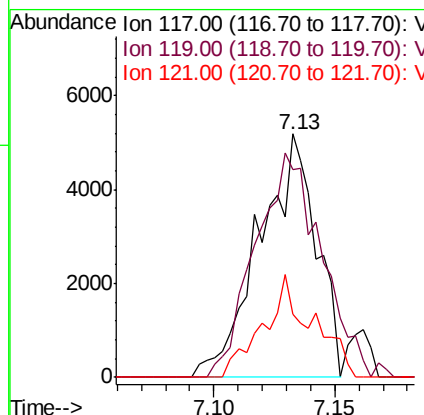
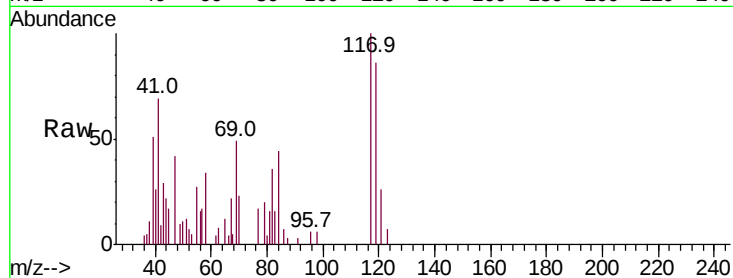
ClientSampleId :

BPS1-DUP02

Tot Ion	Ratio	Lower	Upper
117	100		
119	85.6	77.2	115.8
121	25.9	24.1	36.1

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#36

Benzene

Concen: 2.096 ppbv

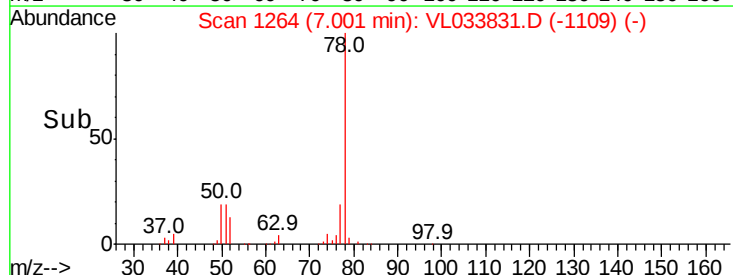
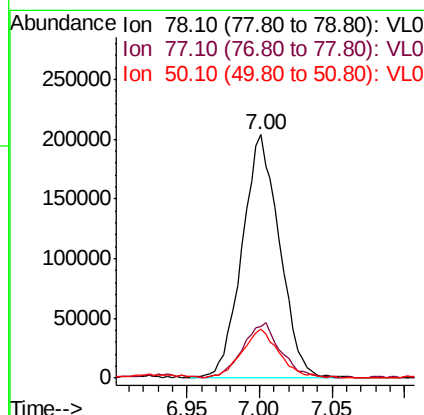
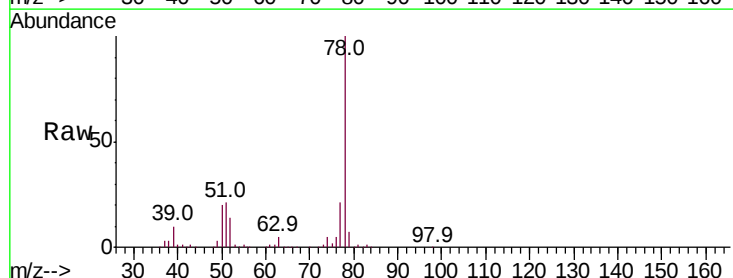
RT: 7.00 min Scan# 1264

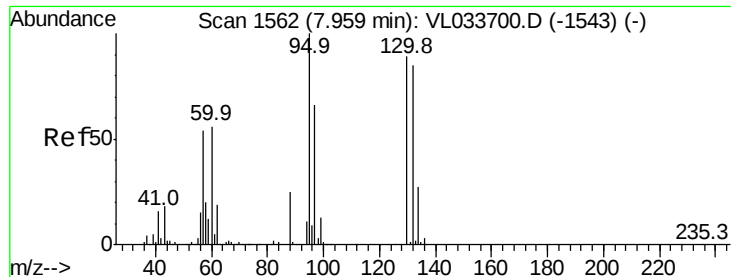
Delta R.T. -0.00 min

Lab File: VL033831.D

Acq: 29 May 2019 10:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.2	18.4	27.6
50	19.7	15.5	23.3





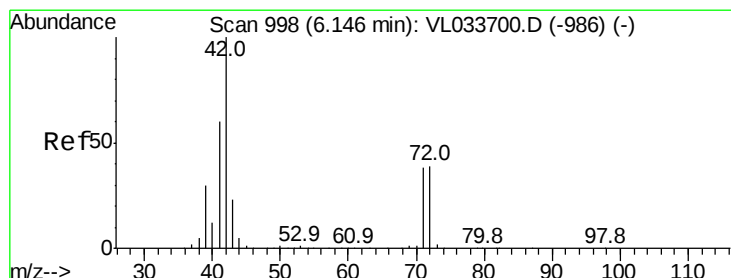
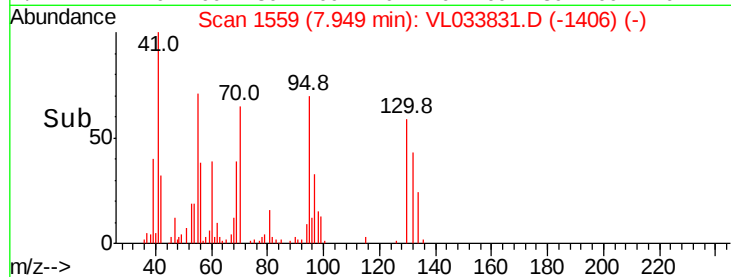
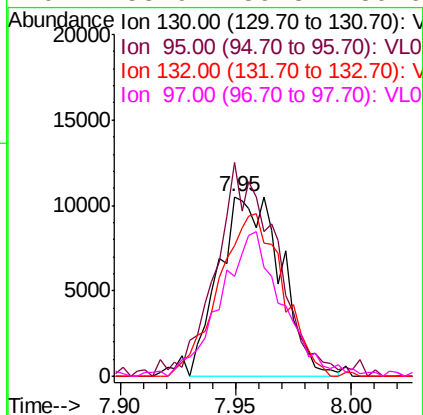
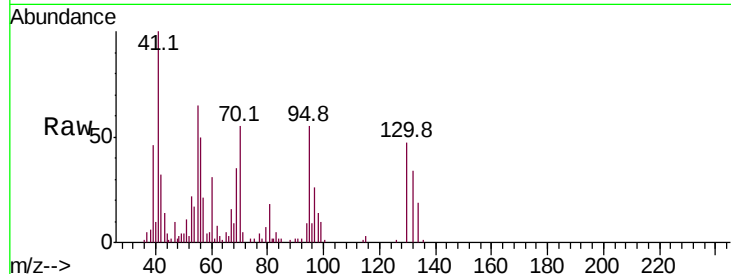
#38
 Trichloroethene
 Concen: 0.309 ppbv m
 RT: 7.95 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: VL033831.D
 Acq: 29 May 2019 10:09

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-DUP02

Tot Ion	Ratio	Resp	Lower	Upper
130	100	19825		
95	118.8		90.2	135.4
132	72.5		76.4	114.6#
97	55.9		59.8	89.6#

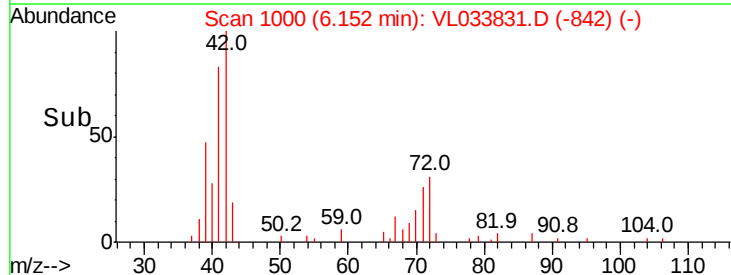
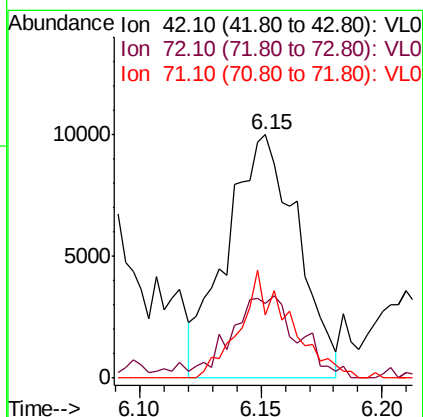
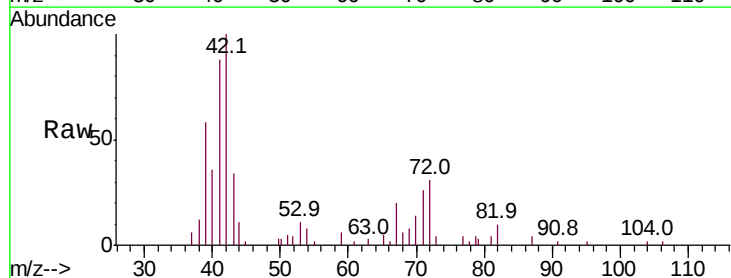
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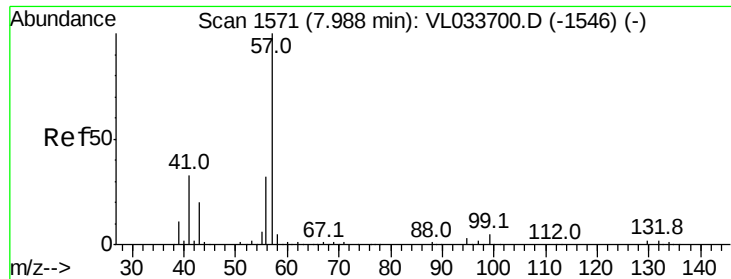
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#41
 Tetrahydrofuran
 Concen: 0.308 ppbv m
 RT: 6.15 min Scan# 1000
 Delta R.T. 0.01 min
 Lab File: VL033831.D
 Acq: 29 May 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
42	100	20339		
72	0.0		32.0	48.0#
71	0.0		30.4	45.6#





#44

2,2,4-Trimethylpentane

Concen: 0.266 ppbv

RT: 7.99 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VL033831.D

Acq: 29 May 2019 10:09

Instrument :

MSVOA_L

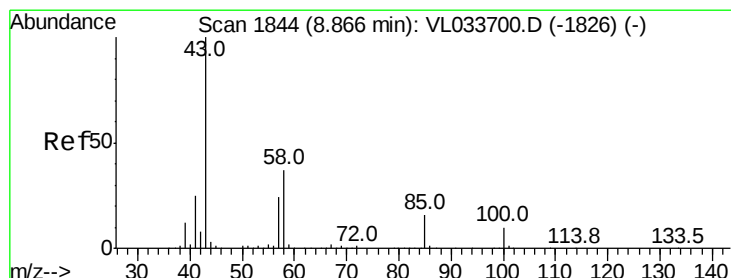
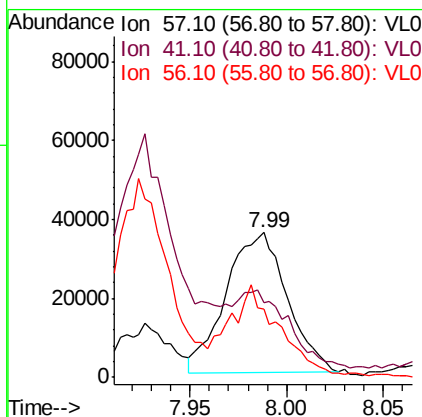
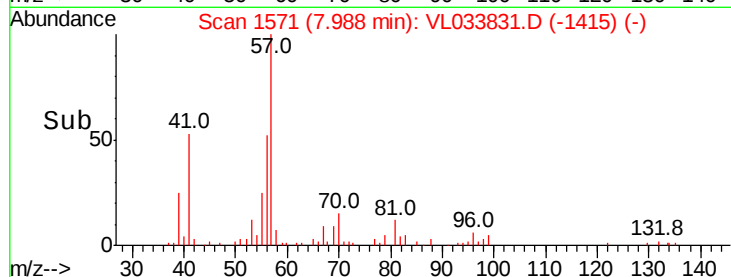
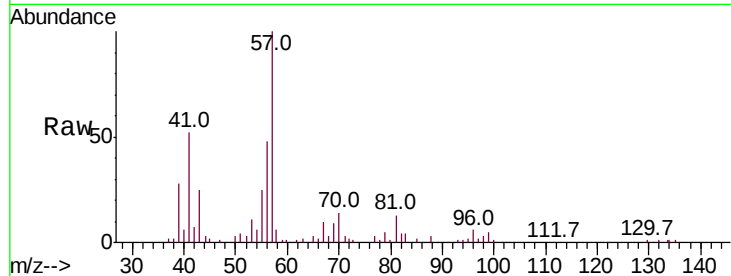
ClientSampleId :

BPS1-DUP02

Tot Ion:	57	Resp:	77640
Ion	Ratio	Lower	Upper
57	100		
41	53.6	25.4	38.0#
56	59.0	24.7	37.1#

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#50

4-Methyl-2-Pentanone

Concen: 0.449 ppbv

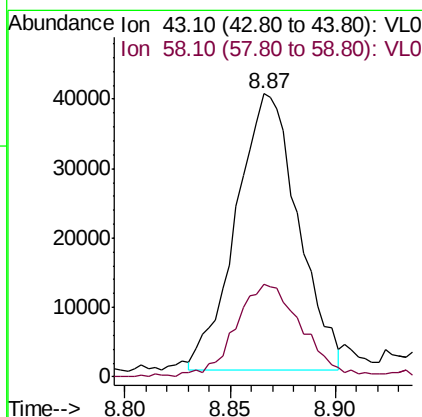
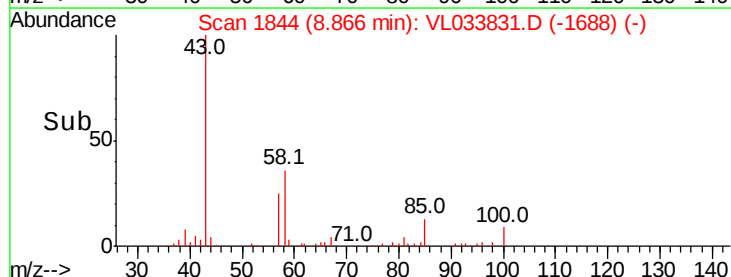
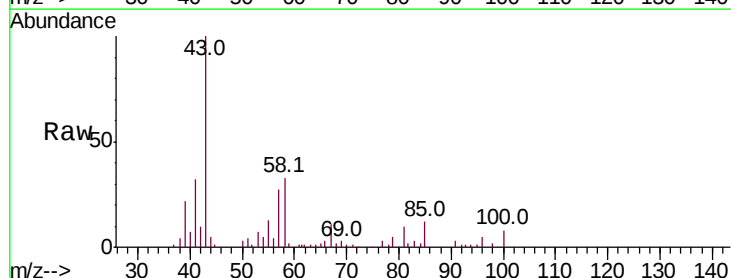
RT: 8.87 min Scan# 1844

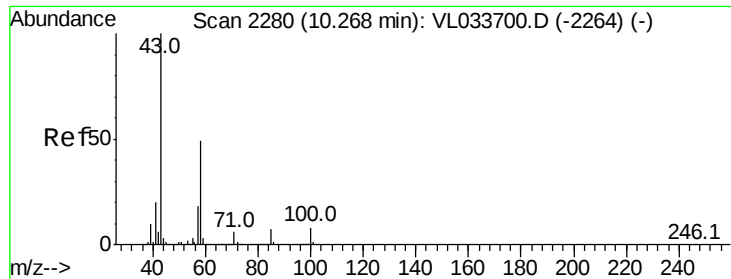
Delta R.T. 0.00 min

Lab File: VL033831.D

Acq: 29 May 2019 10:09

Tgt Ion:	43	Resp:	81335
Ion	Ratio	Lower	Upper
43	100		
58	36.6	28.6	43.0





#51

2-Hexanone

Concen: 1.075 ppbv

RT: 10.26 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VL033831.D

Acq: 29 May 2019 10:09

Instrument :

MSVOA_L

ClientSampleId :

BPS1-DUP02

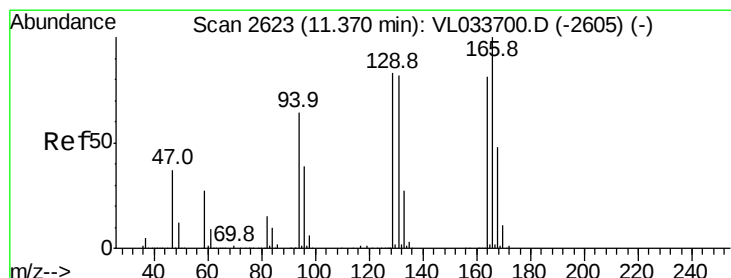
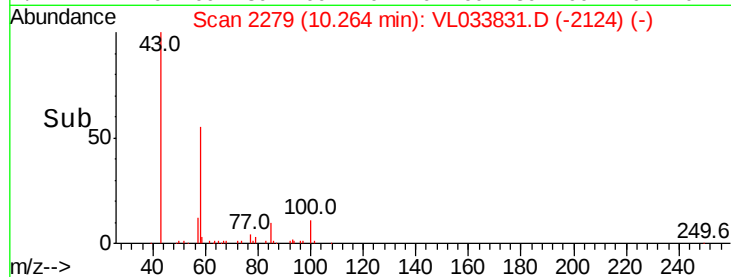
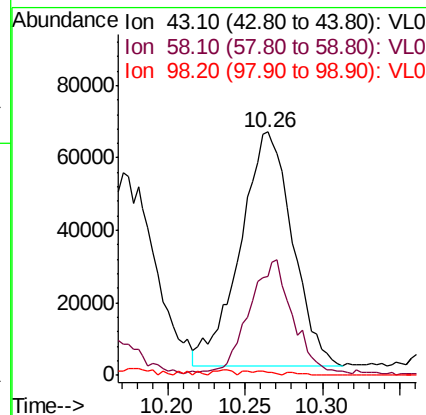
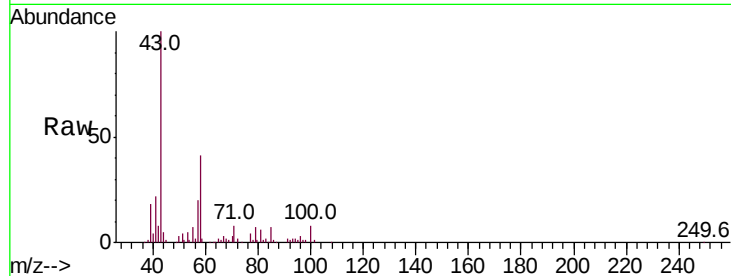
Tot Ion: 43 Resp: 151870

Ion	Ratio	Lower	Upper
43	100		
58	42.4	38.7	58.1
98	2.8	0.2	0.4

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#52

Tetrachloroethene

Concen: 0.202 ppbv m

RT: 11.36 min Scan# 2620

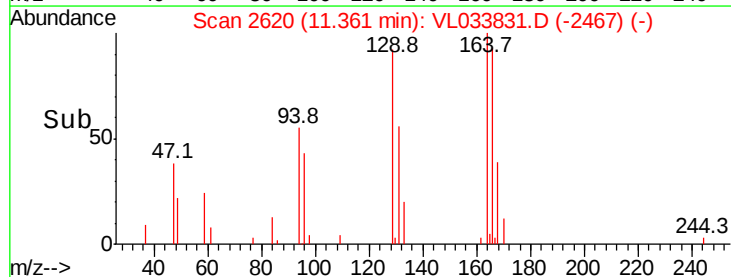
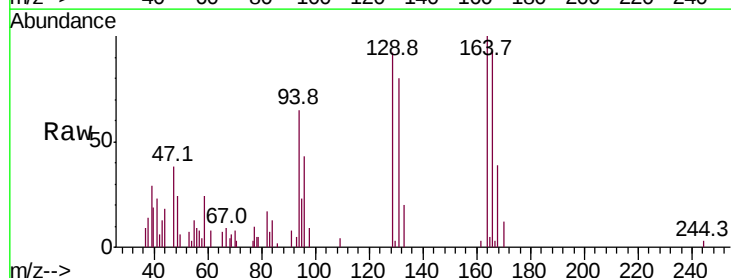
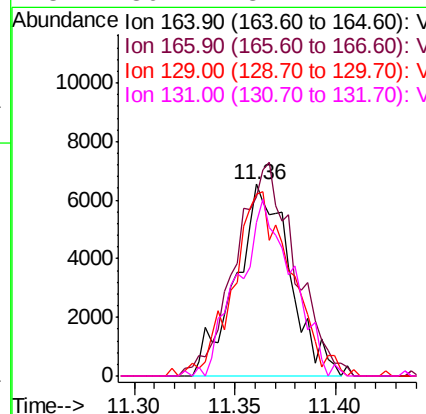
Delta R.T. -0.01 min

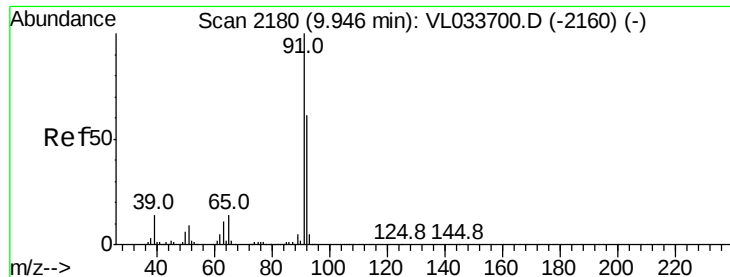
Lab File: VL033831.D

Acq: 29 May 2019 10:09

Tgt Ion: 164 Resp: 12243

Ion	Ratio	Lower	Upper
164	100		
166	93.3	98.9	148.3
129	92.1	81.8	122.6
131	80.2	81.1	121.7





#53

Toluene

Concen: 11.034 ppbv

RT: 9.94 min Scan# 2177

Delta R.T. -0.01 min

Lab File: VL033831.D

Acq: 29 May 2019 10:09

Instrument :

MSVOA_L

ClientSampleId :

BPS1-DUP02

Tot Ion: 91 Resp: 2055907

Ion Ratio Lower Upper

91 100

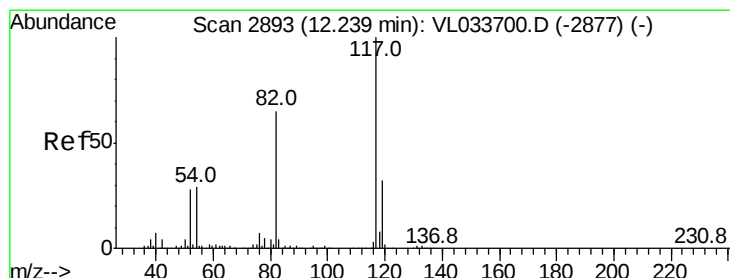
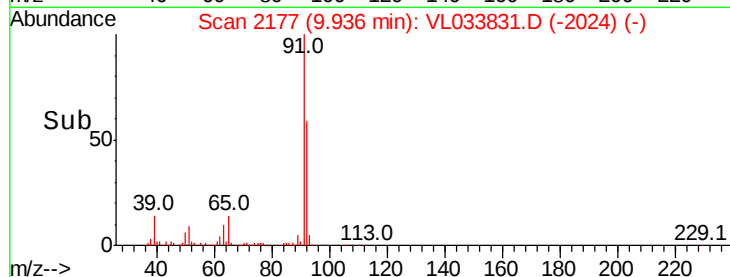
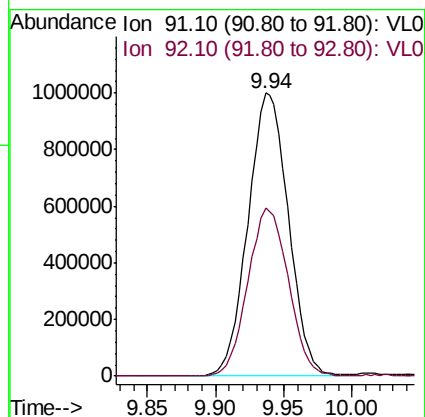
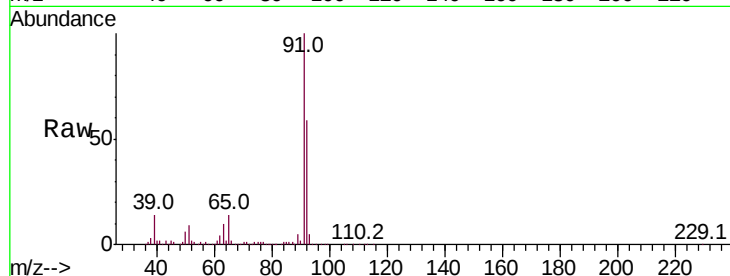
92 59.5 47.6 71.4

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2891

Delta R.T. -0.01 min

Lab File: VL033831.D

Acq: 29 May 2019 10:09

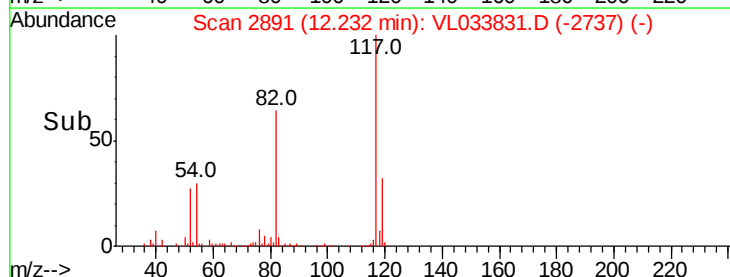
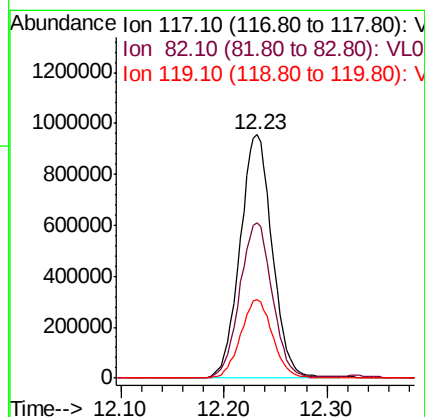
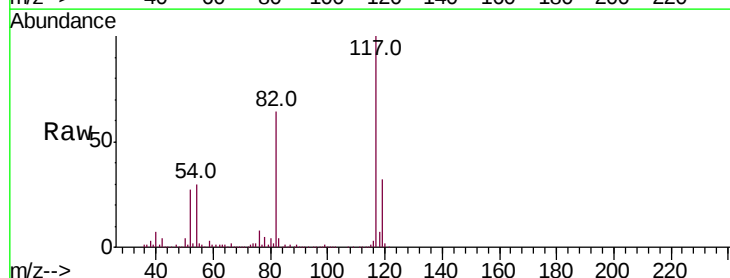
Tgt Ion: 117 Resp: 2074596

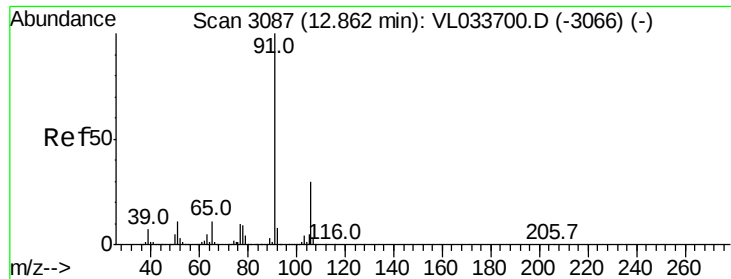
Ion Ratio Lower Upper

117 100

82 64.6 49.4 74.0

119 32.4 24.9 37.3





#58

Ethyl Benzene

Concen: 1.694 ppbv

RT: 12.86 min Scan# 3085

Delta R.T. -0.01 min

Lab File: VL033831.D

Acq: 29 May 2019 10:09

Instrument :

MSVOA_L

ClientSampleId :

BPS1-DUP02

Tot Ion: 91 Resp: 465338

Ion Ratio Lower Upper

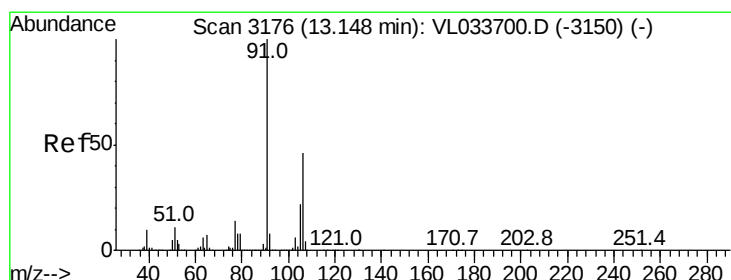
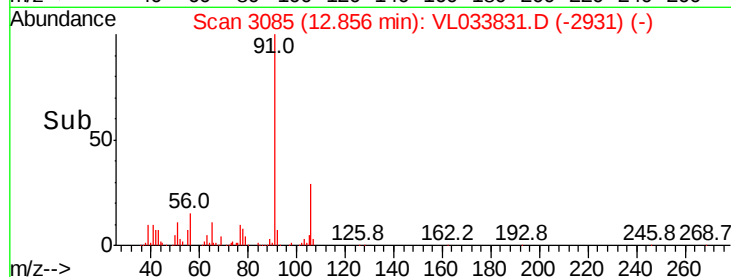
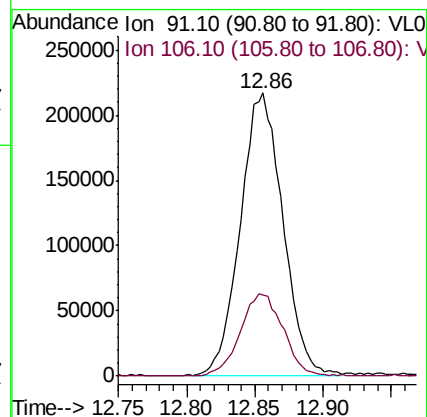
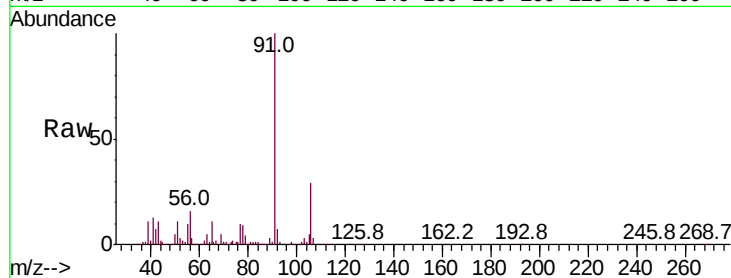
91 100

106 28.6 23.9 35.9

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5/30/2019 3:34:07 PM



#59

m/p-Xylene

Concen: 6.625 ppbv

RT: 13.11 min Scan# 3165

Delta R.T. -0.04 min

Lab File: VL033831.D

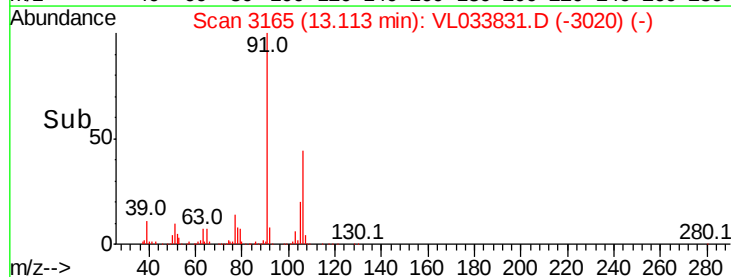
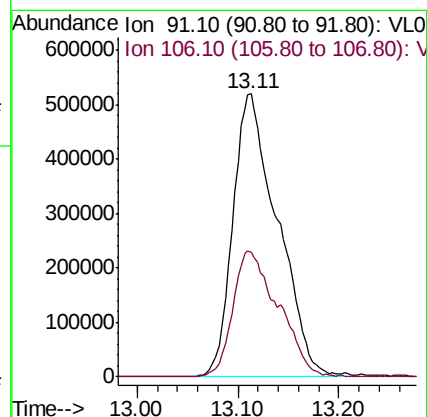
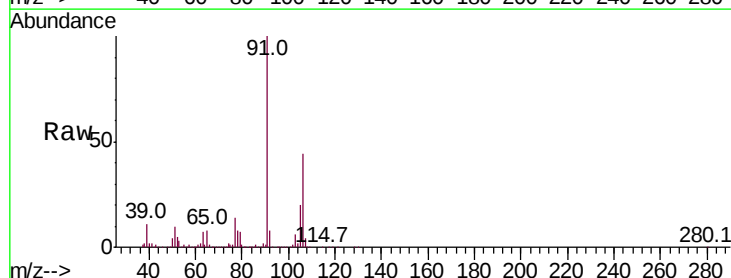
Acq: 29 May 2019 10:09

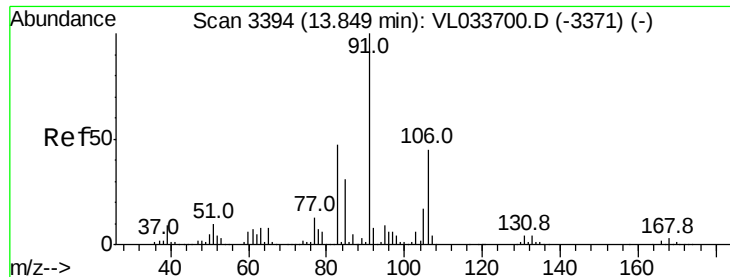
Tgt Ion: 91 Resp: 1591000

Ion Ratio Lower Upper

91 100

106 46.1 35.8 53.6





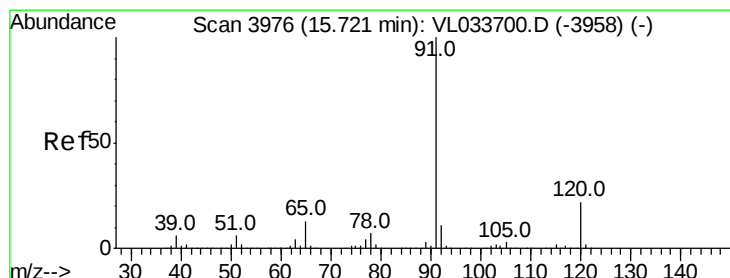
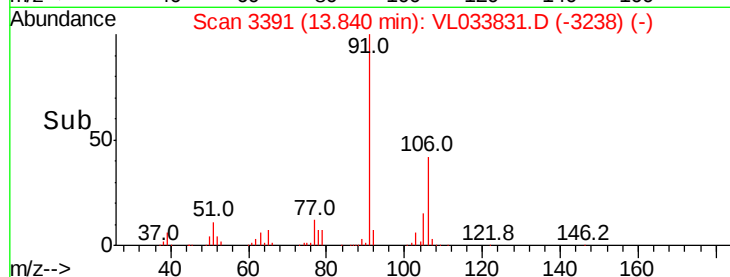
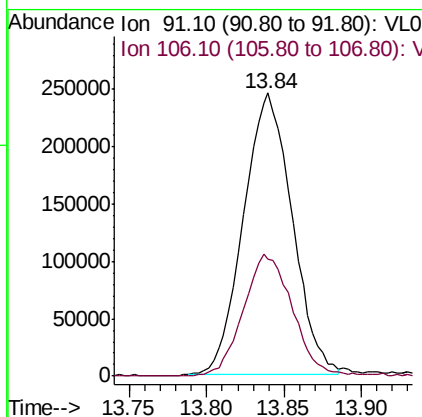
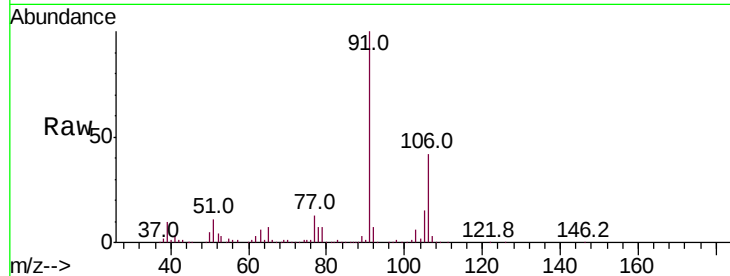
#60
o-Xylene
Concen: 2.233 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033831.D
Acq: 29 May 2019 10:09

Instrument :
MSVOA_L
ClientSampled :
BPS1-DUP02

Tot Ion: 91 Resp: 540533
Ion Ratio Lower Upper
91 100
106 44.0 21.6 64.8

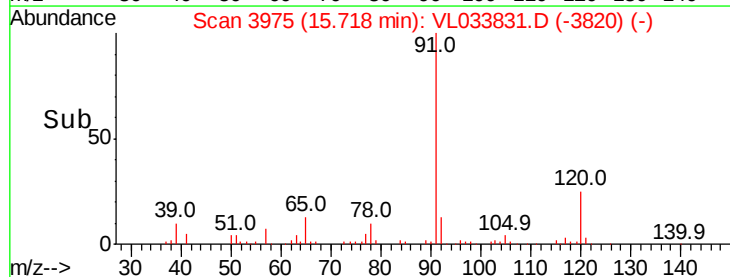
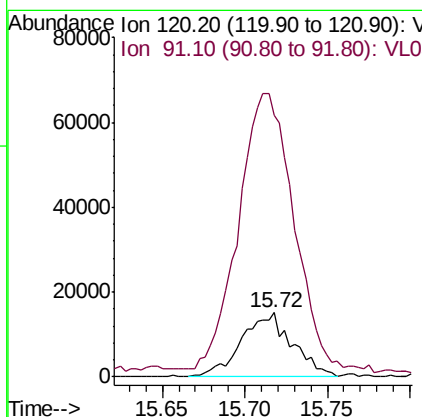
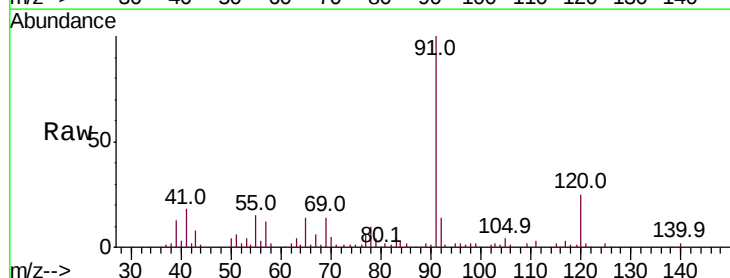
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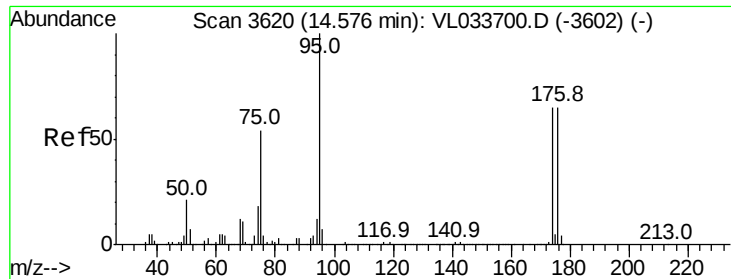
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#64
n-propylbenzene
Concen: 0.383 ppbv m
RT: 15.72 min Scan# 3975
Delta R.T. -0.00 min
Lab File: VL033831.D
Acq: 29 May 2019 10:09

Tgt Ion: 120 Resp: 32295
Ion Ratio Lower Upper
120 100
91 503.4 379.1 568.7





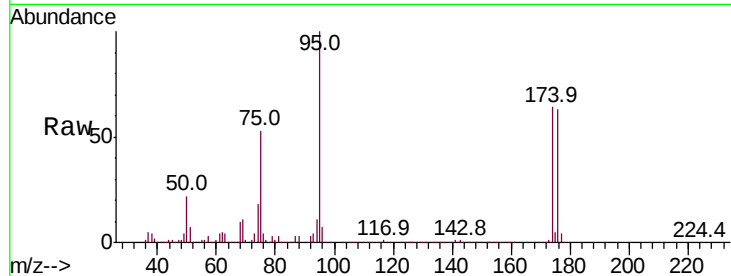
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.180 ppbv
 RT: 14.57 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL033831.D
 Acq: 29 May 2019 10:09

Instrument :
 MSVOA_L
 ClientSampleID :
 BPS1-DUP02

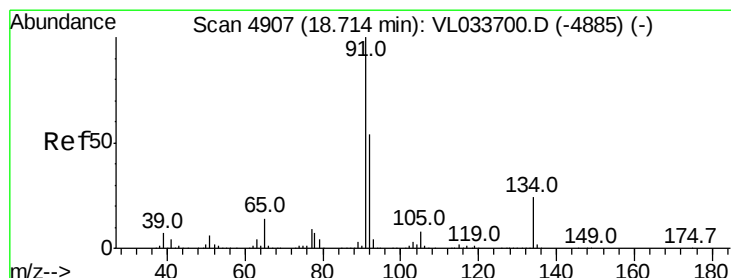
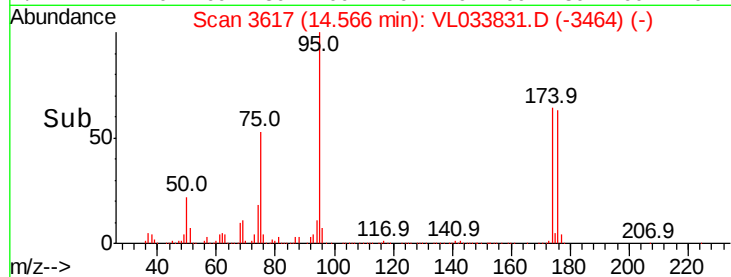
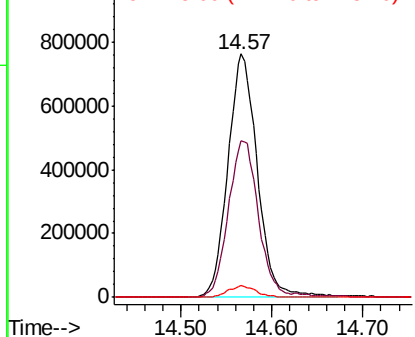
Tot Ion: 95 Resp: 1712029
 Ion Ratio Lower Upper
 95 100
 174 67.1 53.9 80.9
 175 4.7 3.8 5.8

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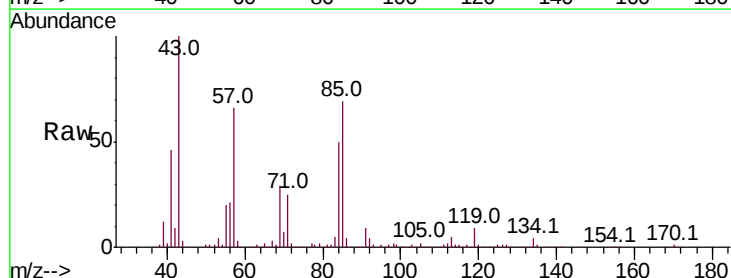


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

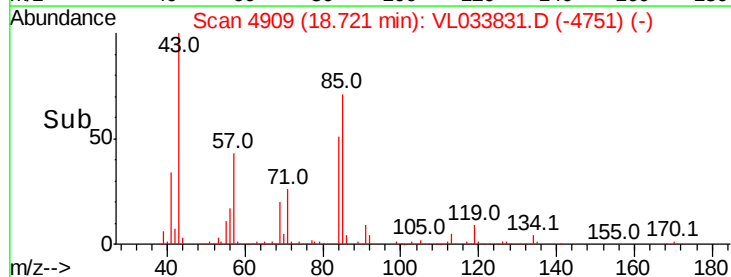
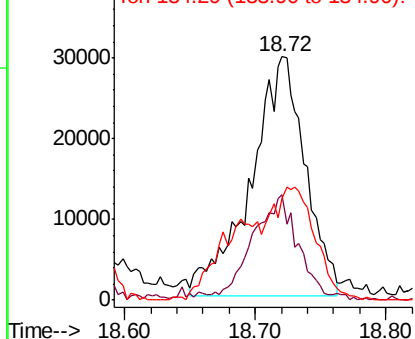


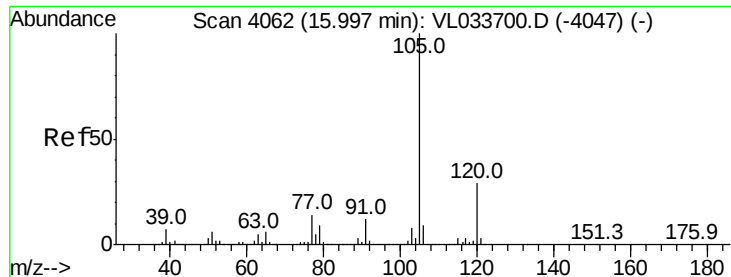
#70
 n-Butylbenzene
 Concen: 0.235 ppbv m
 RT: 18.72 min Scan# 4909
 Delta R.T. 0.01 min
 Lab File: VL033831.D
 Acq: 29 May 2019 10:09

Tgt Ion: 91 Resp: 86690
 Ion Ratio Lower Upper
 91 100
 92 0.0 42.6 63.8#
 134 0.0 18.1 27.1#



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#72

4-Ethyltoluene

Concen: 0.776 ppbv

RT: 15.99 min Scan# 4060

Delta R.T. -0.01 min

Lab File: VL033831.D

Acq: 29 May 2019 10:09

Instrument :

MSVOA_L

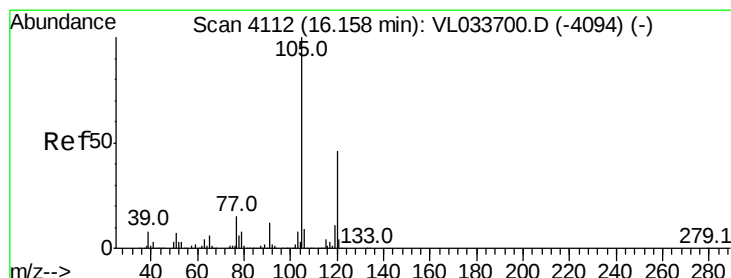
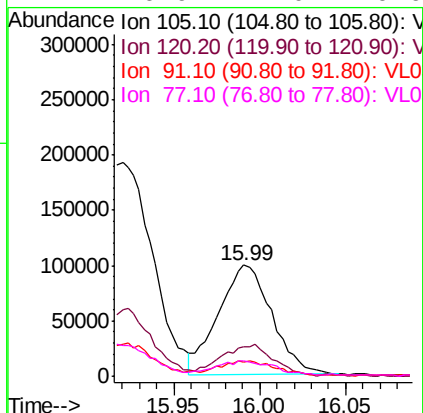
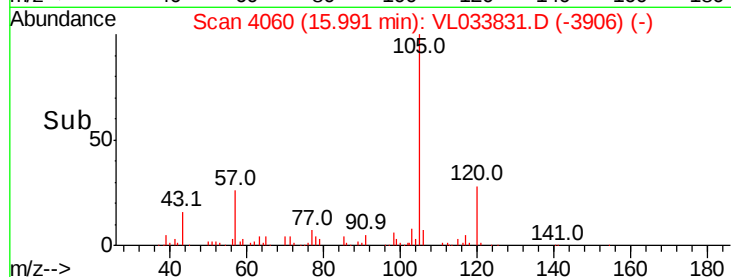
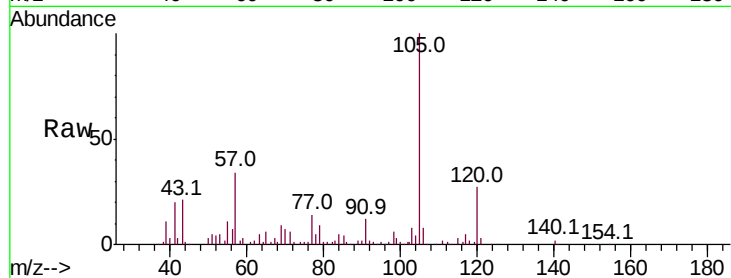
ClientSampleId :

BPS1-DUP02

Tot Ion:	105	Resp:	214738
Ion Ratio	Lower	Upper	
105	100		
120	29.4	23.1	34.7
91	14.5	10.4	15.6
77	16.9	11.0	16.6

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#73

1,3,5-Trimethylbenzene

Concen: 0.637 ppbv

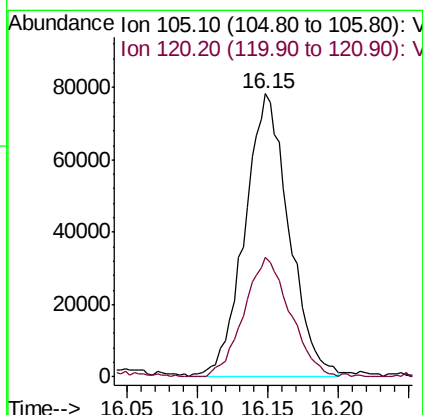
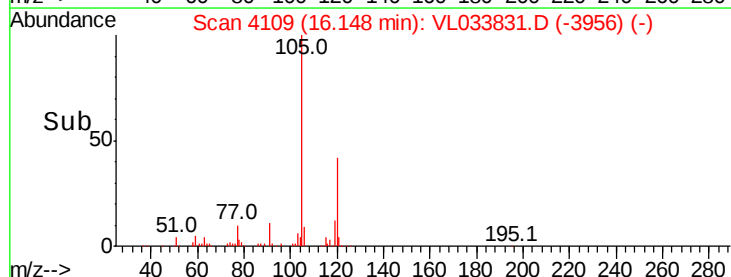
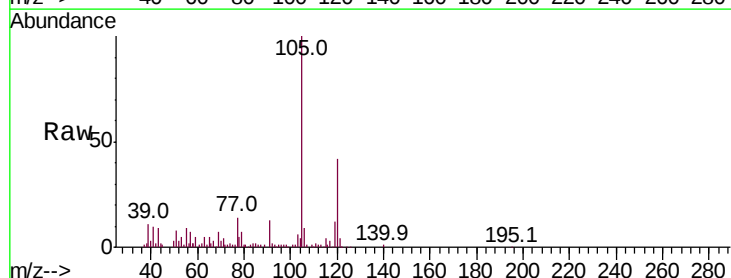
RT: 16.15 min Scan# 4109

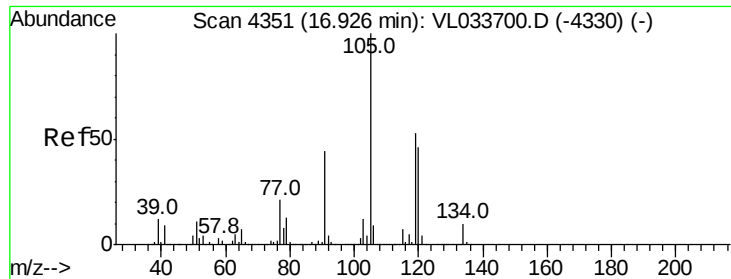
Delta R.T. -0.01 min

Lab File: VL033831.D

Acq: 29 May 2019 10:09

Tgt Ion:	105	Resp:	172081
Ion Ratio	Lower	Upper	
105	100		
120	42.1	37.0	55.4





#74

1,2,4-Trimethylbenzene

Concen: 2.542 ppbv

RT: 16.92 min Scan# 4348

Delta R.T. -0.01 min

Lab File: VL033831.D

Acq: 29 May 2019 10:09

Instrument :

MSVOA_L

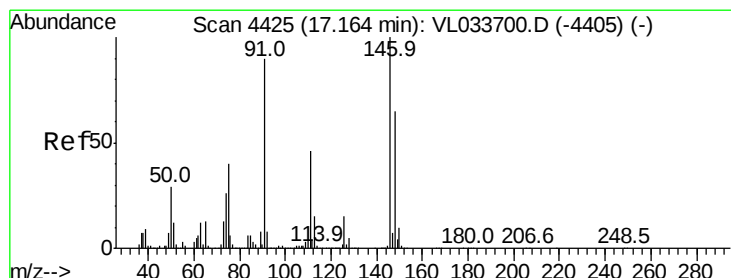
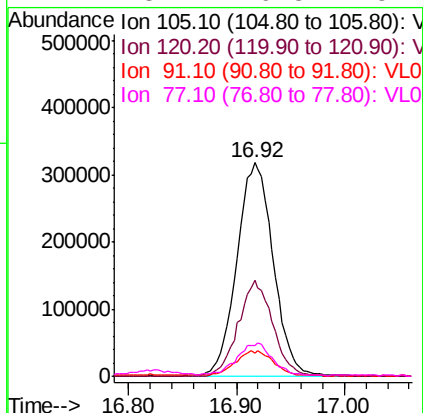
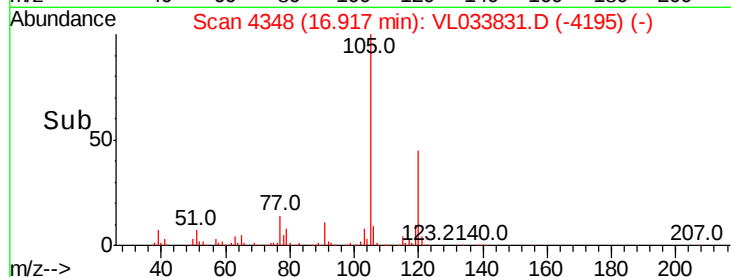
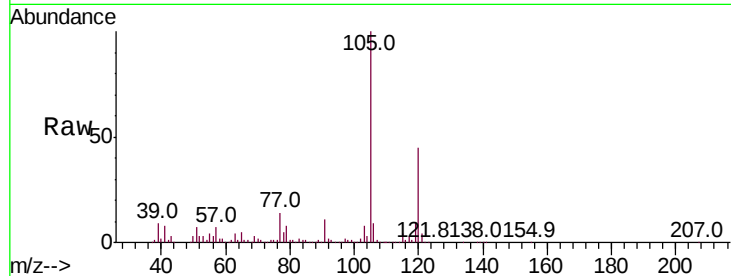
ClientSampleId :

BPS1-DUP02

Tot Ion	Ratio	Resp Lower	Upper
105	100		
120	45.0	36.8	55.2
91	10.5	35.4	53.0#
77	13.7	16.8	25.2#

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#75

1,3-Dichlorobenzene

Concen: 0.434 ppbv

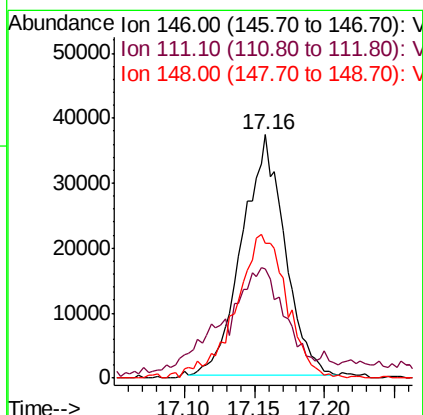
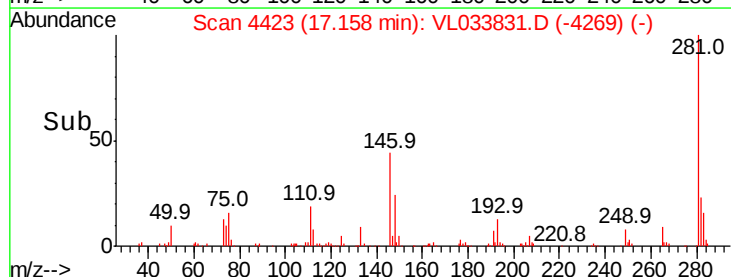
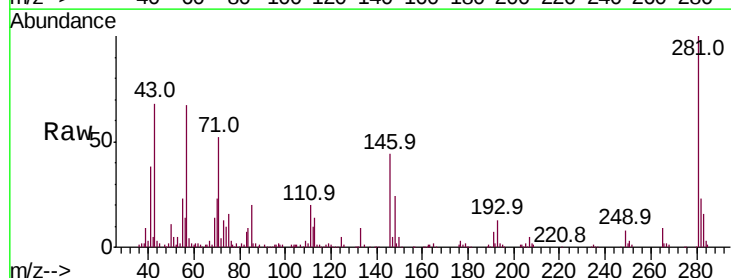
RT: 17.16 min Scan# 4423

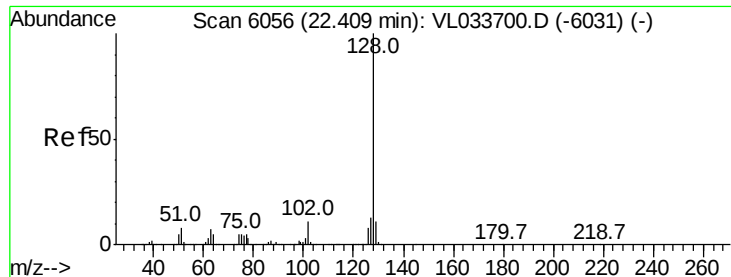
Delta R.T. -0.01 min

Lab File: VL033831.D

Acq: 29 May 2019 10:09

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
111	74.4	22.9	68.8#
148	72.0	32.0	96.2





#79

Naphthalene

Concen: 0.804 ppbv m

RT: 22.41 min Scan# 6057

Delta R.T. 0.00 min

Lab File: VL033831.D

Acq: 29 May 2019 10:09

Instrument :

MSVOA_L

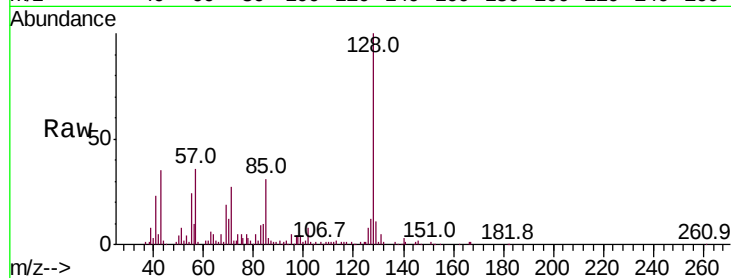
ClientSampleId :

BPS1-DUP02

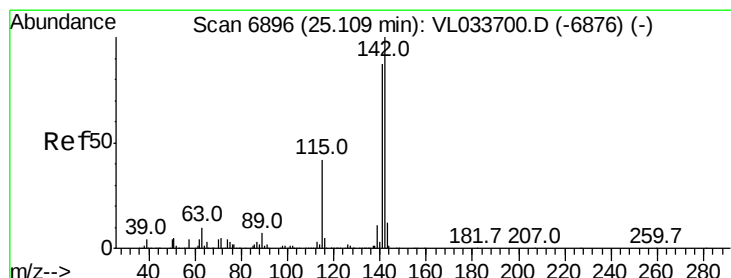
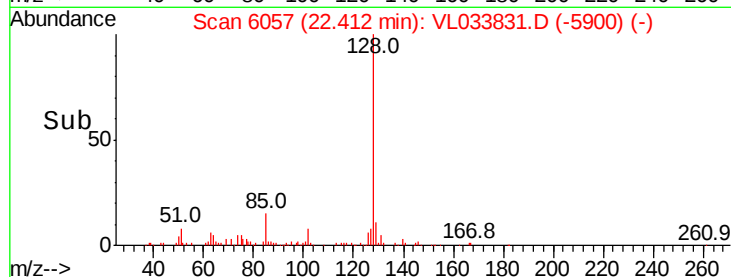
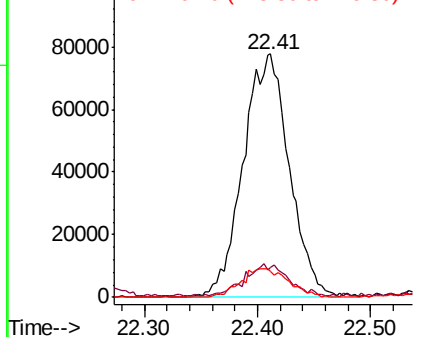
Tot Ion:	128	Resp:	219432
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.6	16.0
129	10.9	8.9	13.3

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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.263 ppbv

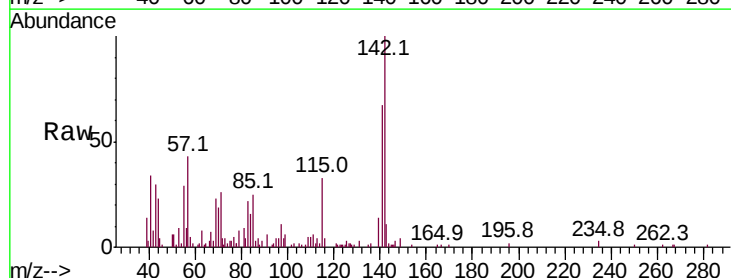
RT: 25.10 min Scan# 6894

Delta R.T. -0.01 min

Lab File: VL033831.D

Acq: 29 May 2019 10:09

Tgt Ion:	142	Resp:	27308
Ion Ratio	Lower	Upper	
142	100		
141	89.1	67.2	100.8
115	43.1	34.1	51.1



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V

