

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL122017\
 Data File : VL031285.D
 Acq On : 21 Dec 2017 1:18
 Operator : SY/AP
 Sample : I7005-07
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EP1-SV-6

Manual Integrations
 APPROVED

MMDadoda
 12/22/2017 4:55:05 PM

Quant Time: Dec 22 06:11:25 2017
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 14 2017
 QLast Update : Thu Dec 14 04:29:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.92	49	1588178	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.46	114	3665964	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.42	117	3333280	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.78	95	6528065	27.53	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	275.30%#

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.18	85	69923	0.52	ppbv	99
4) Chloromethane	3.28	50	38923	0.40	ppbv	91
5) Vinyl Chloride	3.40	62	107939	1.07	ppbv	98
9) Propene	3.14	41	1345619	15.18	ppbv	99
10) Heptane	8.41	43	363900	1.35	ppbv	98
11) Trichlorofluoromethane	4.13	101	678953	3.08	ppbv	97
13) Ethanol	3.77	45	221661	8.67	ppbv	99
15) Acetone	4.02	43	4597296	21.93	ppbv #	56
17) tert-Butyl alcohol	4.50	59	305166	2.59	ppbv	96
20) Methylene Chloride	4.55	84	76353	1.10	ppbv	97
26) Hexane	5.93	57	331505	1.63	ppbv #	5
27) Carbon Disulfide	4.76	76	332373	1.63	ppbv	94
28) Methyl tert-Butyl Ether	5.25	73	56023m	0.21	ppbv	
29) Chloroform	6.00	83	162214	0.59	ppbv	99
30) Cyclohexane	7.41	84	61337	0.34	ppbv	89
31) cis-1,2-Dichloroethene	5.79	61	57423	0.31	ppbv	91
32) 1,1,1-Trichloroethane	6.78	97	496084	1.69	ppbv	96
34) 2-Butanone	5.47	43	12767085	49.31	ppbv	91
35) Carbon Tetrachloride	7.30	117	11722m	0.04	ppbv	
36) Benzene	7.17	78	726378	1.87	ppbv	99
38) Trichloroethene	8.13	130	242140	1.60	ppbv	99
41) Tetrahydrofuran	6.31	42	53019	0.36	ppbv	93
44) 2,2,4-Trimethylpentane	8.16	57	5633990	9.60	ppbv	94
51) 2-Hexanone	10.44	43	2170273	7.18	ppbv #	83
52) Tetrachloroethene	11.57	164	11893971	82.98	ppbv	96
53) Toluene	10.12	91	5115827	12.14	ppbv	100
58) Ethyl Benzene	13.05	91	5865929	10.66	ppbv	98
59) m/p-Xylene	13.32	91	17669616	40.11	ppbv	97
60) o-Xylene	14.07	91	10459390m	23.55	ppbv	
62) Isopropylbenzene	15.05	105	1832342	3.15	ppbv	99
64) n-propylbenzene	15.98	120	444469m	2.88	ppbv	
67) sec-Butylbenzene	17.71	105	891613	1.26	ppbv	97
72) 4-Ethyltoluene	16.19	105	8815854m	18.12	ppbv	
73) 1,3,5-Trimethylbenzene	16.43	105	3723173m	8.60	ppbv	
74) 1,2,4-Trimethylbenzene	17.19	105	3079741	6.76	ppbv #	77

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

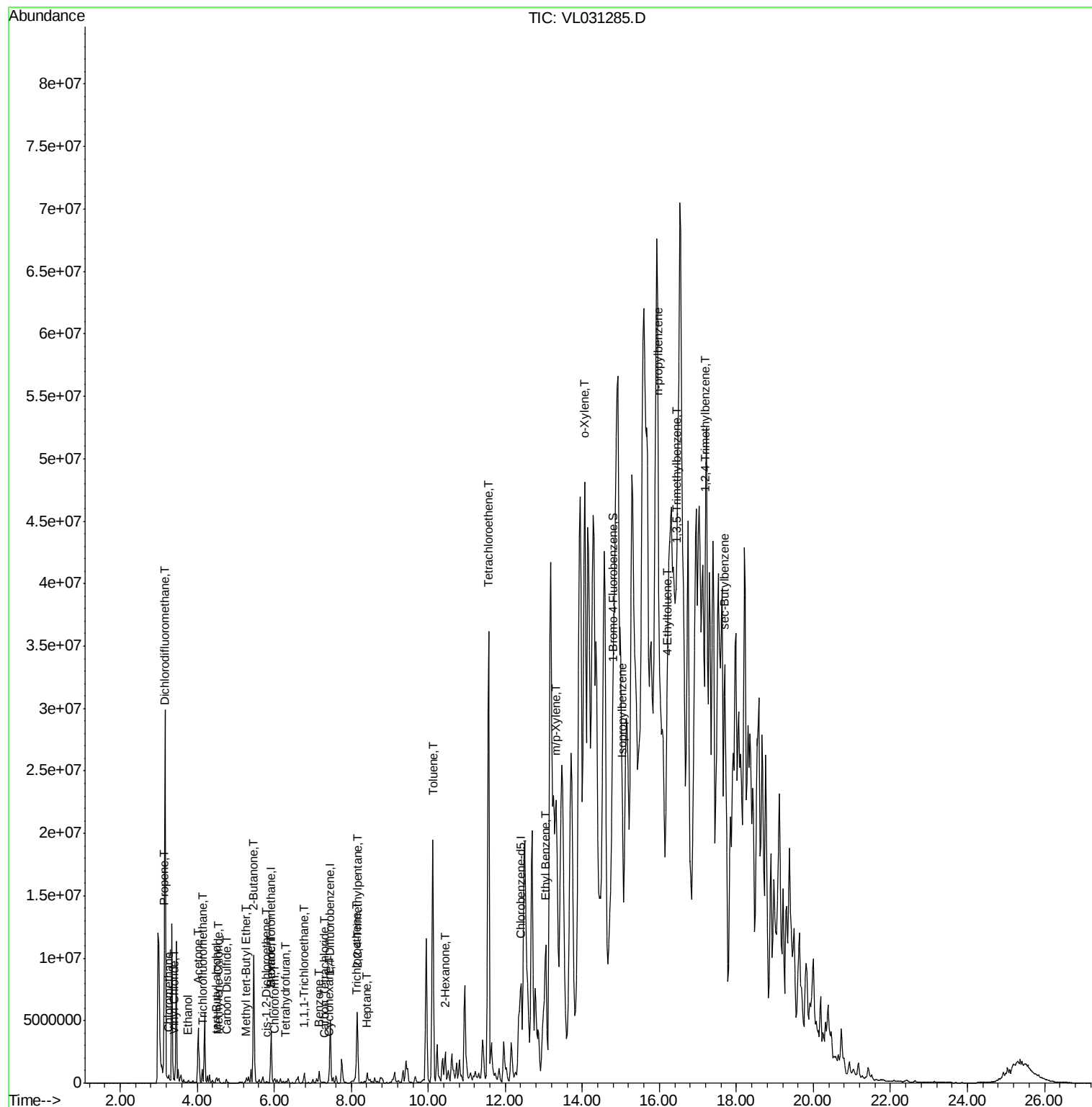
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL122017\
Data File : VL031285.D
Acq On : 21 Dec 2017 1:18
Operator : SY/AP
Sample : I7005-07
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

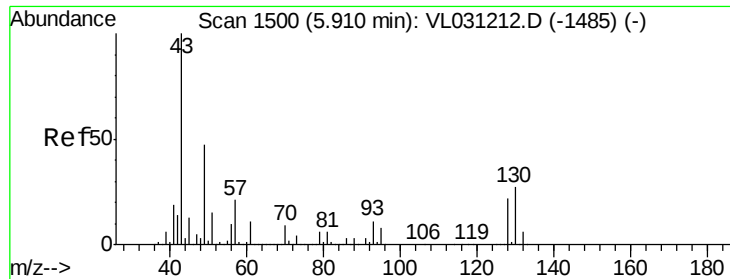
Instrument :
MSVOA_L
ClientSampled :
EP1-SV-6

Manual Integrations
APPROVED

MMDadoda
12/22/2017 4:55:05 PM

Quant Time: Dec 22 06:11:25 2017
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.92 min Scan# 1502

Delta R.T. 0.01 min

Lab File: VL031285.D

Acq: 21 Dec 2017 1:18

Instrument :

MSVOA_L

ClientSampled :

EP1-SV-6

Tot Ion: 49 Resp: 1588178

Ion Ratio Lower Upper

49 100

128 47.4 23.2 69.5

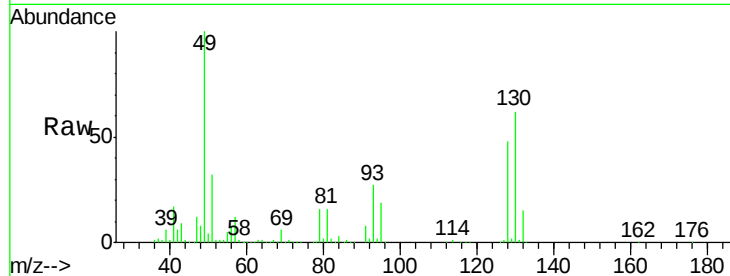
130 61.1 29.6 88.8

Manual Integrations

APPROVED

MMDadoda

12/22/2017 4:55:05 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

1200000

1000000

800000

600000

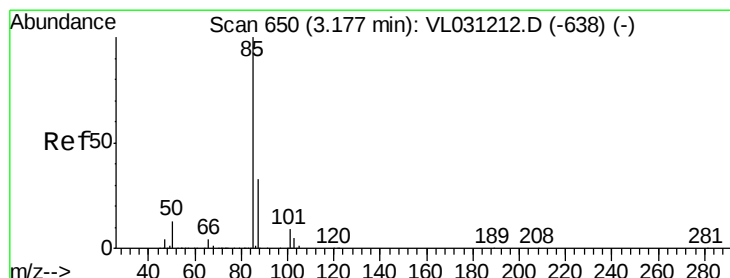
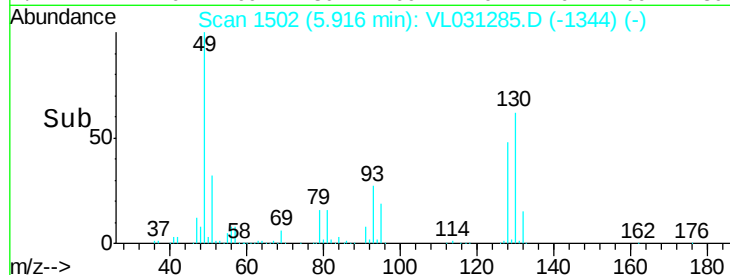
400000

200000

0

5.85 5.90 5.95 6.00

Time-->



#2

Dichlorodifluoromethane

Concen: 0.52 ppbv

RT: 3.18 min Scan# 651

Delta R.T. 0.00 min

Lab File: VL031285.D

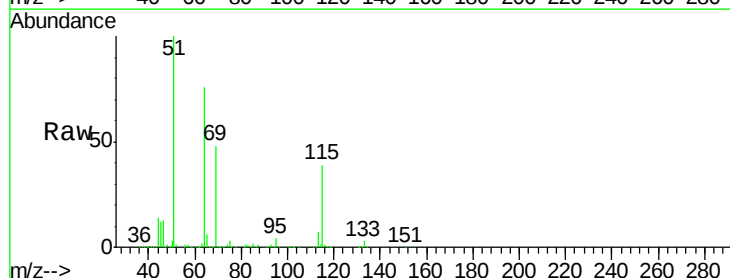
Acq: 21 Dec 2017 1:18

Tgt Ion: 85 Resp: 69923

Ion Ratio Lower Upper

85 100

87 33.4 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

60000

50000

40000

30000

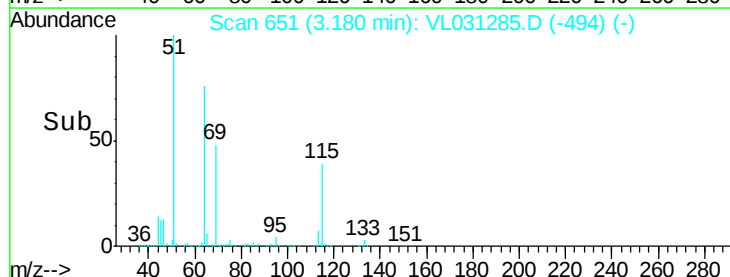
20000

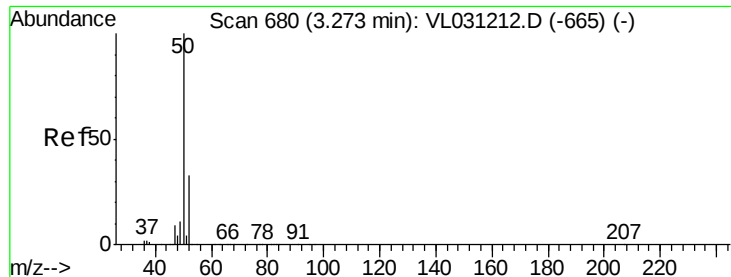
10000

0

3.15 3.20

Time-->





#4

Chloromethane

Concen: 0.40 ppbv

RT: 3.28 min Scan# 681

Delta R.T. 0.00 min

Lab File: VL031285.D

Acq: 21 Dec 2017 1:18

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-6

Tot Ion: 50 Resp: 38923

Ion Ratio Lower Upper

50 100

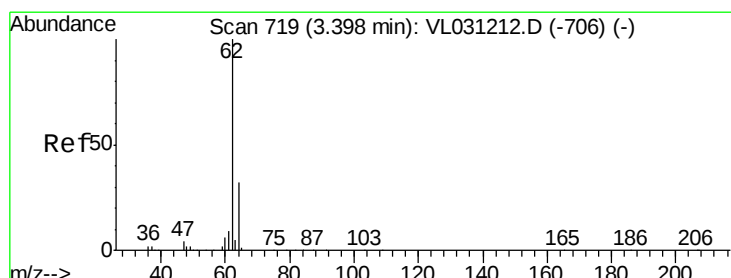
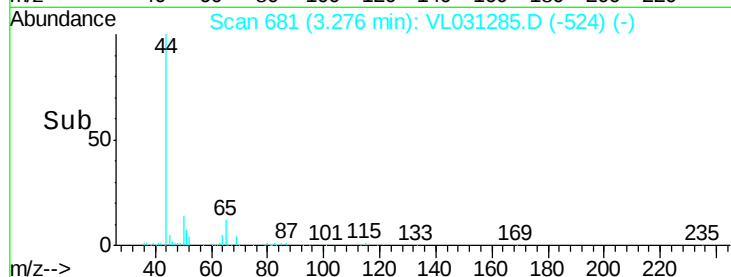
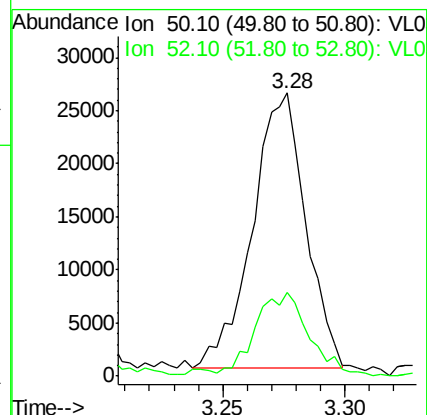
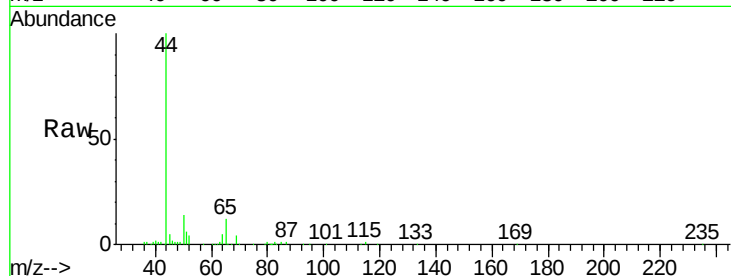
52 28.3 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

12/22/2017 4:55:05 PM



#5

Vinyl Chloride

Concen: 1.07 ppbv

RT: 3.40 min Scan# 720

Delta R.T. 0.00 min

Lab File: VL031285.D

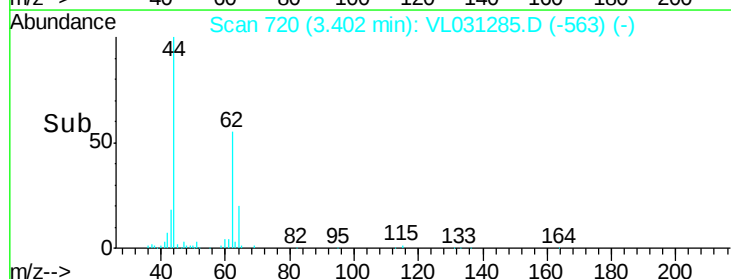
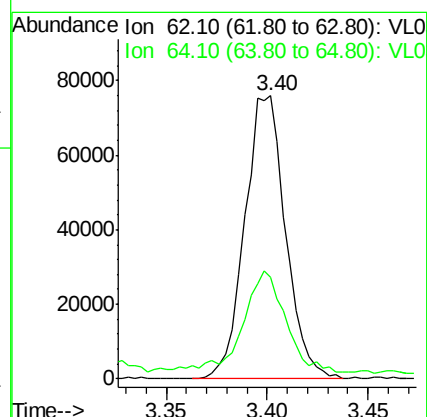
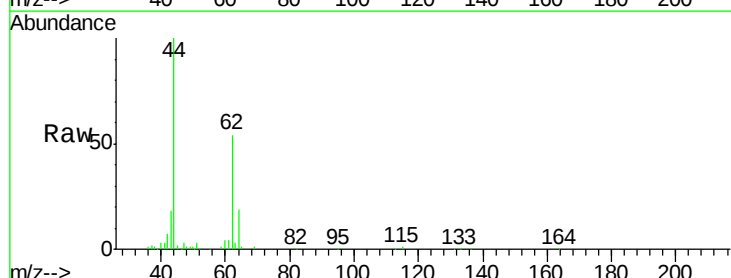
Acq: 21 Dec 2017 1:18

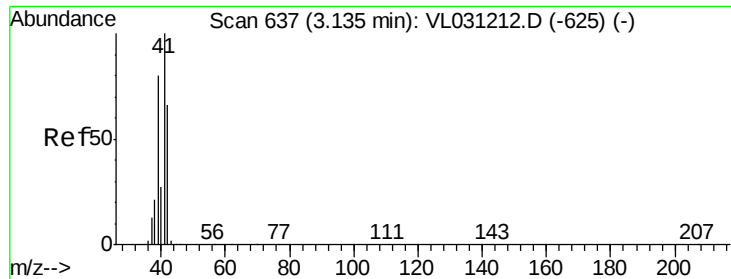
Tgt Ion: 62 Resp: 107939

Ion Ratio Lower Upper

62 100

64 33.5 25.9 38.9





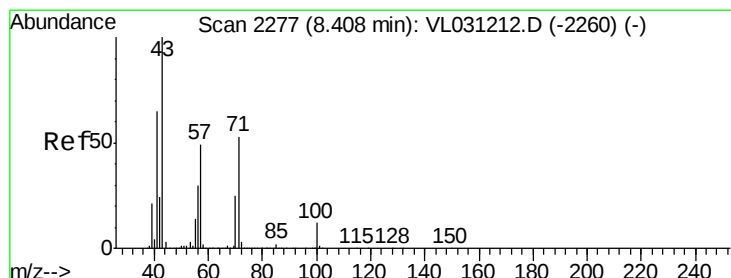
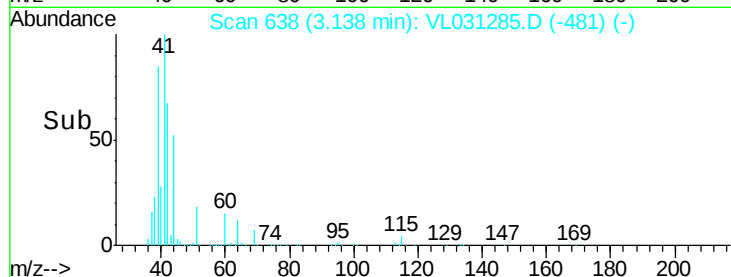
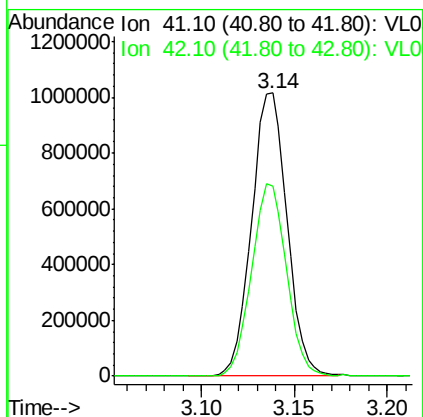
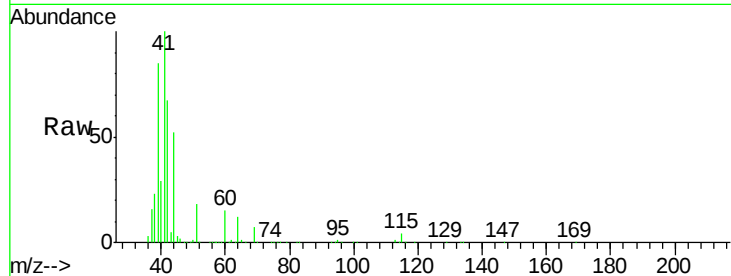
#9
 Propene
 Concen: 15.18 ppbv
 RT: 3.14 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VL031285.D
 Acq: 21 Dec 2017 1:18

Instrument :
 MSVOA_L
 ClientSampled :
 EP1-SV-6

Tot Ion: 41 Resp: 1345619
 Ion Ratio Lower Upper
 41 100
 42 67.3 54.3 81.5

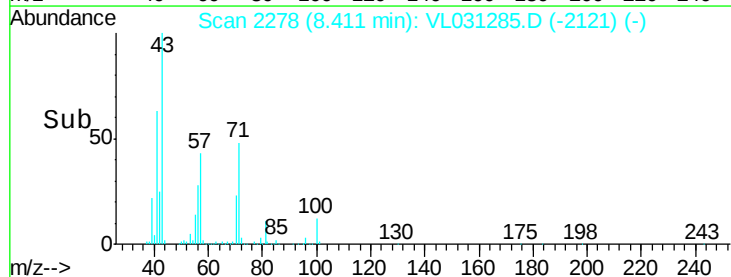
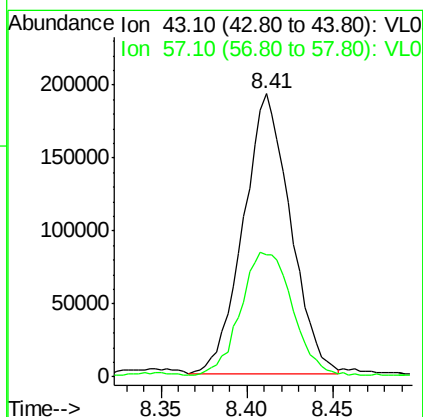
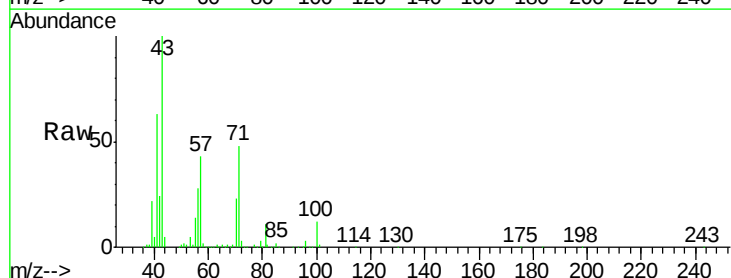
Manual Integrations
 APPROVED

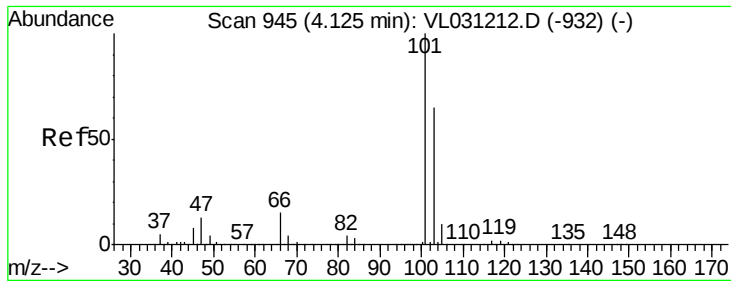
MMDadoda
 12/22/2017 4:55:05 PM



#10
 Heptane
 Concen: 1.35 ppbv
 RT: 8.41 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: VL031285.D
 Acq: 21 Dec 2017 1:18

Tgt Ion: 43 Resp: 363900
 Ion Ratio Lower Upper
 43 100
 57 48.7 39.8 59.8





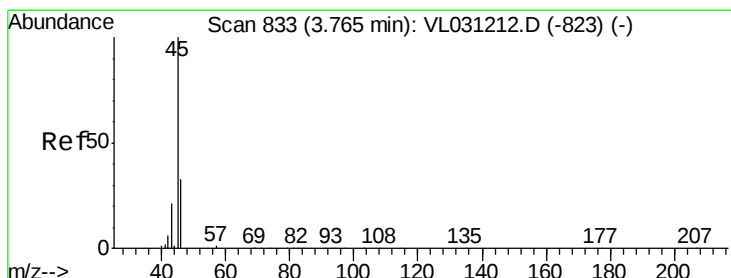
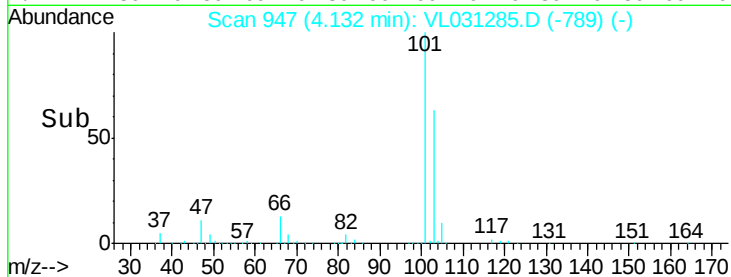
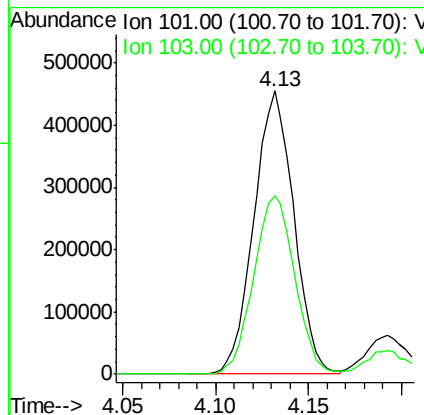
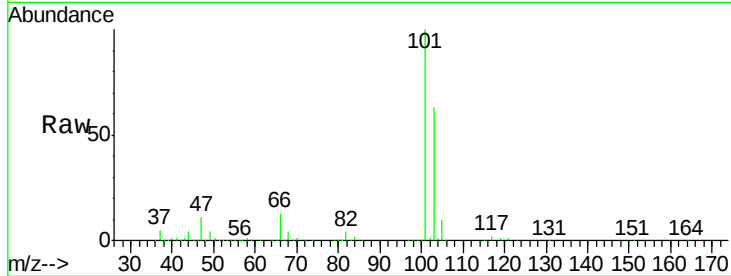
#11
 Trichlorofluoromethane
 Concen: 3.08 ppbv
 RT: 4.13 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VL031285.D
 Acq: 21 Dec 2017 1:18

Instrument :
 MSVOA_L
 ClientSampled :
 EP1-SV-6

Tot Ion:101 Resp: 678953
 Ion Ratio Lower Upper
 101 100
 103 62.8 51.8 77.8

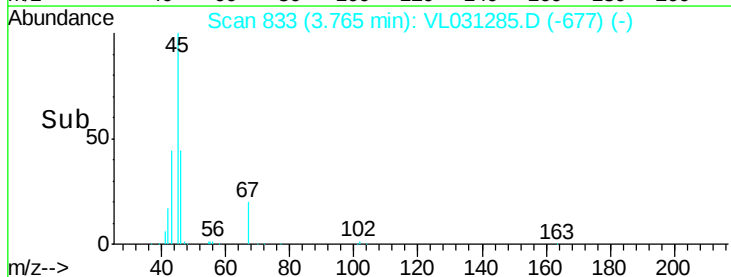
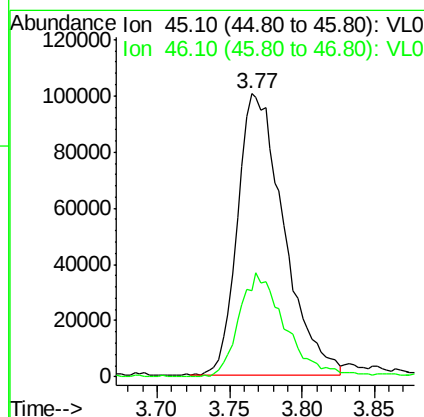
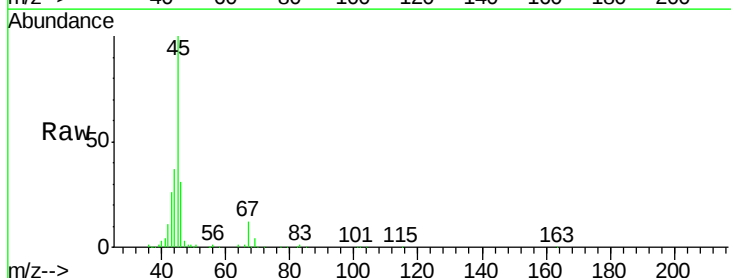
Manual Integrations
 APPROVED

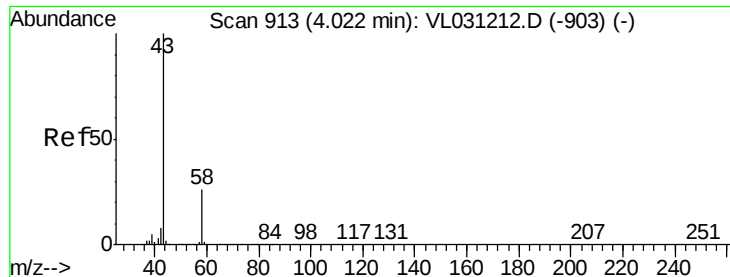
MMDadoda
 12/22/2017 4:55:05 PM



#13
 Ethanol
 Concen: 8.67 ppbv
 RT: 3.77 min Scan# 833
 Delta R.T. 0.00 min
 Lab File: VL031285.D
 Acq: 21 Dec 2017 1:18

Tgt Ion: 45 Resp: 221661
 Ion Ratio Lower Upper
 45 100
 46 37.3 14.6 58.4





#15

Acetone

Concen: 21.93 ppbv

RT: 4.02 min Scan# 913

Delta R.T. 0.00 min

Lab File: VL031285.D

Acq: 21 Dec 2017 1:18

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-6

Tot Ion: 43 Resp: 4597296

Ion Ratio Lower Upper

43 100

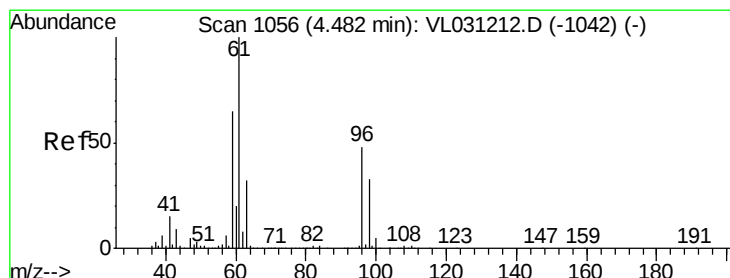
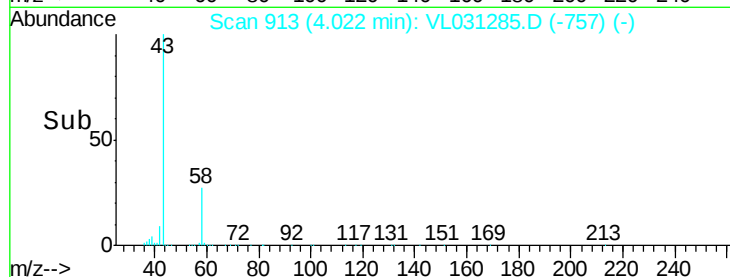
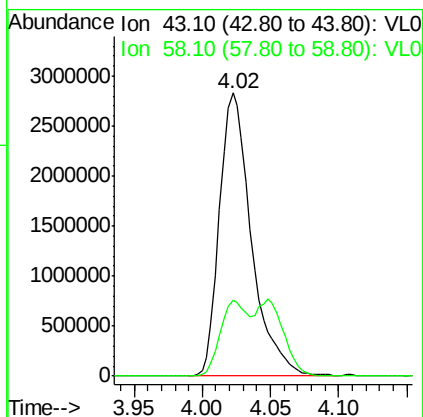
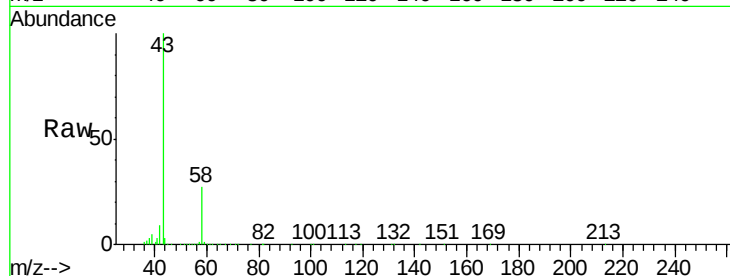
58 47.5 20.3 30.5#

Manual Integrations

APPROVED

MMDadoda

12/22/2017 4:55:05 PM



#17

tert-Butyl alcohol

Concen: 2.59 ppbv

RT: 4.50 min Scan# 1062

Delta R.T. 0.02 min

Lab File: VL031285.D

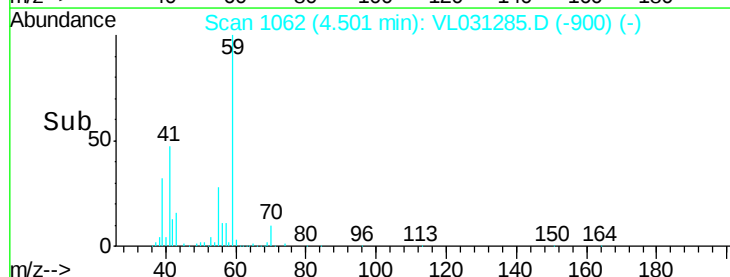
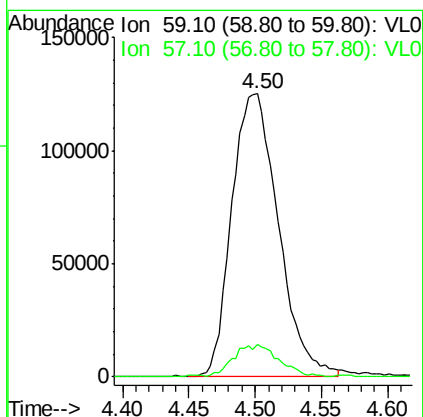
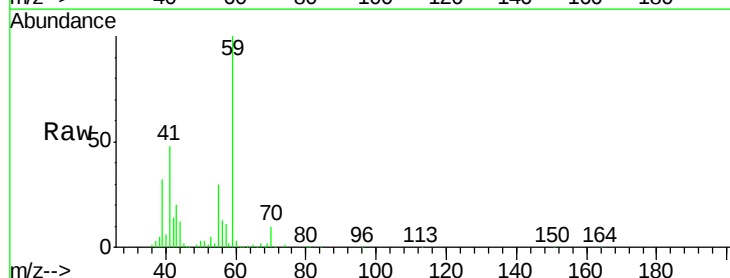
Acq: 21 Dec 2017 1:18

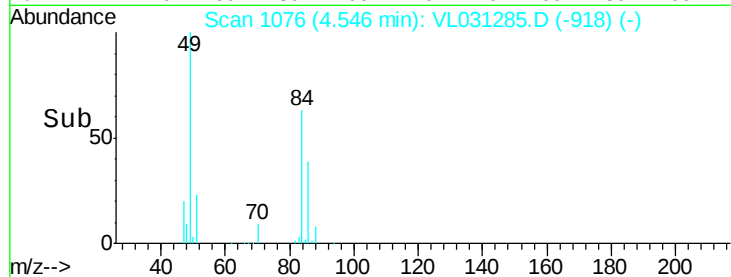
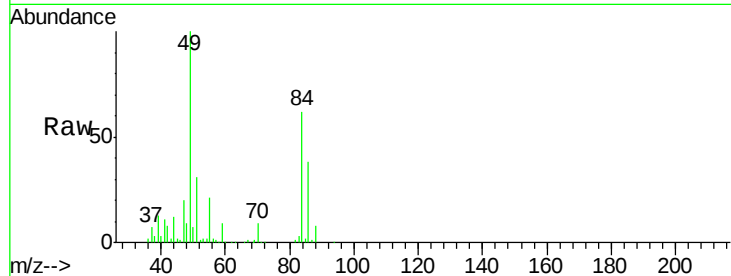
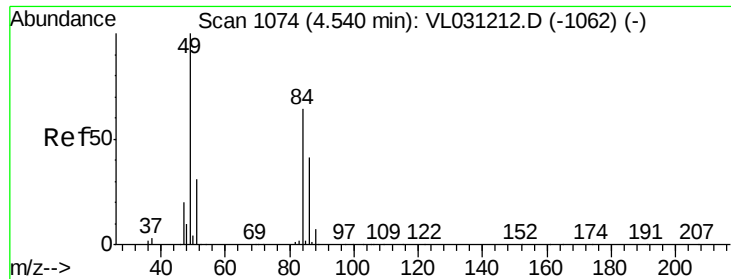
Tgt Ion: 59 Resp: 305166

Ion Ratio Lower Upper

59 100

57 11.8 8.2 12.2





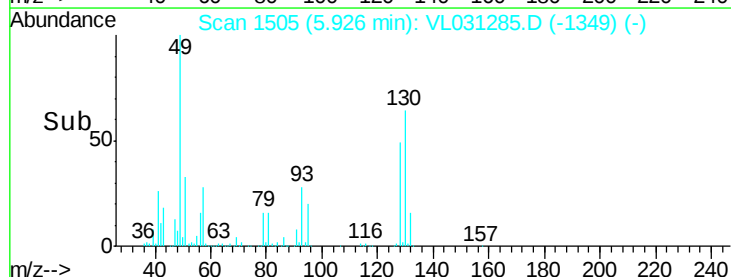
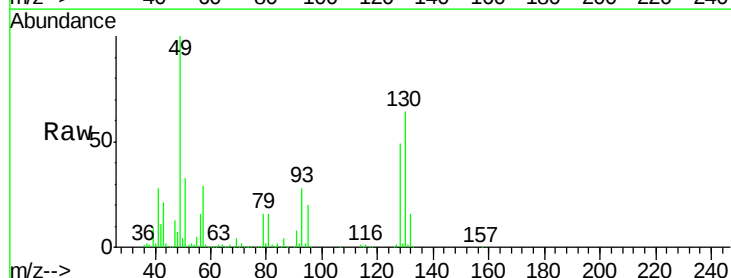
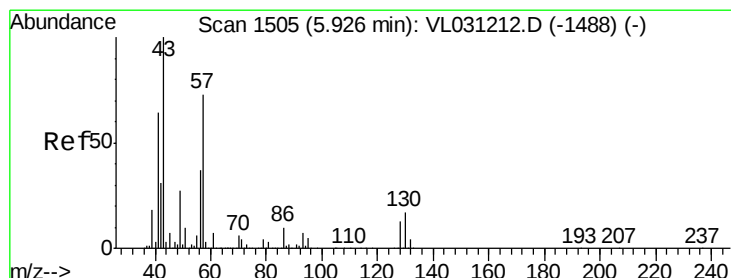
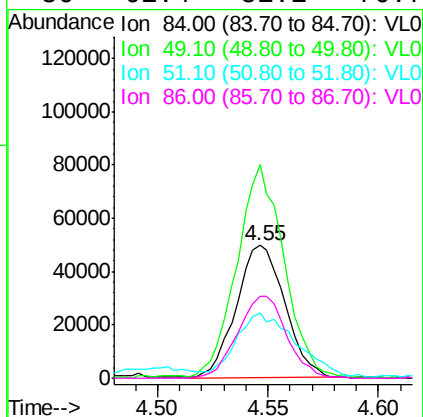
#20
Methvlene Chloride
Concen: 1.10 ppbv
RT: 4.55 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VL031285.D
Acq: 21 Dec 2017 1:18

Tot Ion	Ratio	Lower	Upper
84	100		
49	160.4	125.8	188.6
51	44.8	39.3	58.9
86	61.4	51.1	76.7

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-6

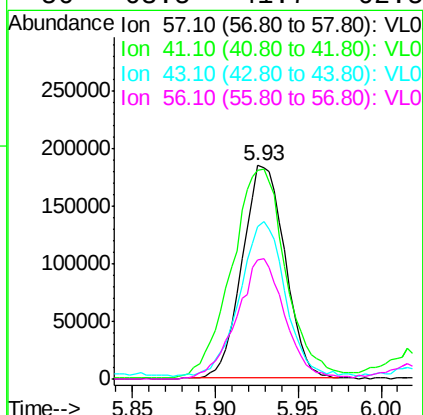
Manual Integrations
APPROVED

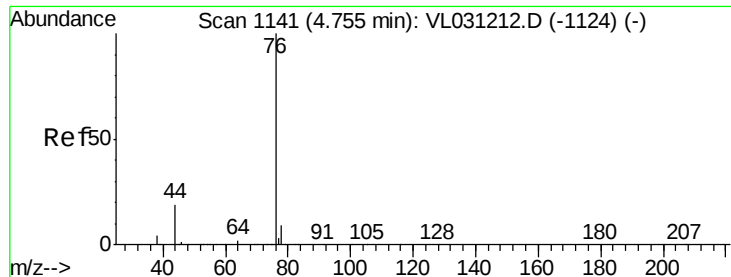
MMDadoda
12/22/2017 4:55:05 PM



#26
Hexane
Concen: 1.63 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. 0.00 min
Lab File: VL031285.D
Acq: 21 Dec 2017 1:18

Tgt Ion	Ratio	Lower	Upper
57	100		
41	125.0	70.3	105.5#
43	0.0	173.8	260.8#
56	63.5	41.7	62.5#





#27

Carbon Disulfide

Concen: 1.63 ppbv

RT: 4.76 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VL031285.D

Acq: 21 Dec 2017 1:18

Instrument :

MSVOA_L

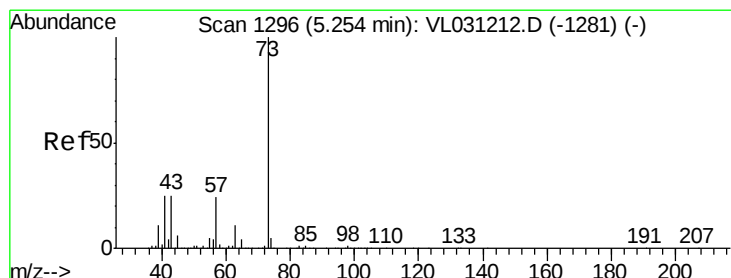
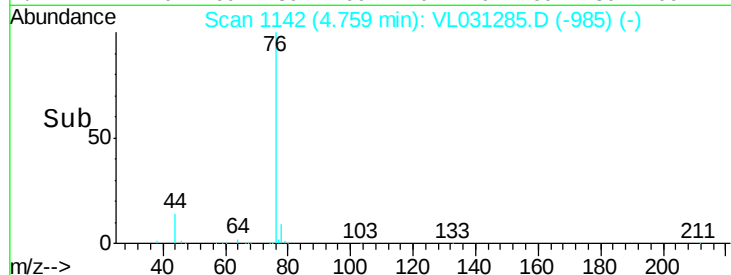
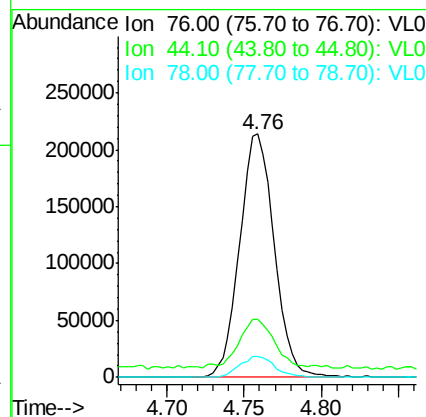
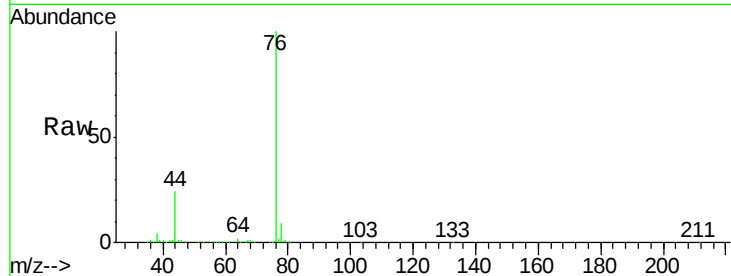
ClientSampleId :

EP1-SV-6

Tot Ion:	76	Resp:	332373
Ion Ratio	Lower	Upper	
76	100		
44	24.0	16.0	24.0
78	8.9	7.5	11.3

Manual Integrations
APPROVED

MMDadoda
12/22/2017 4:55:05 PM



#28

Methyl tert-Butyl Ether

Concen: 0.21 ppbv m

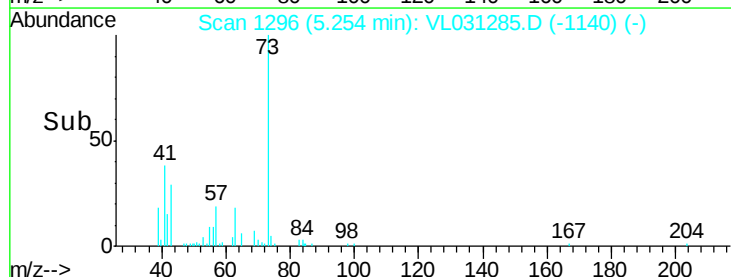
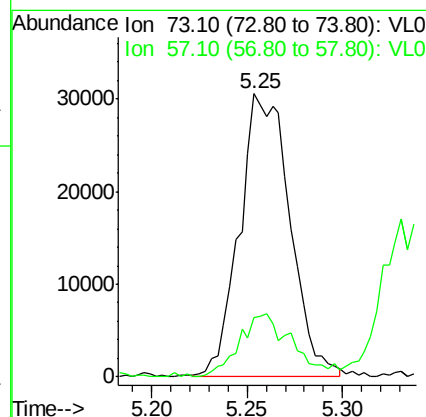
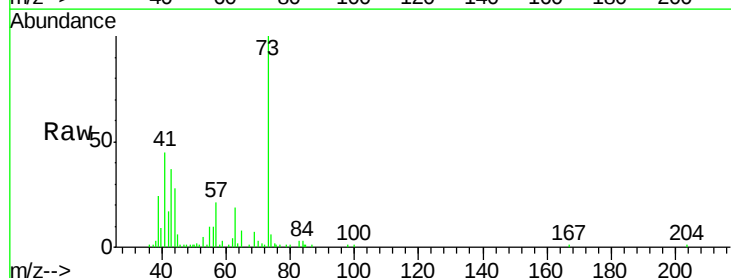
RT: 5.25 min Scan# 1296

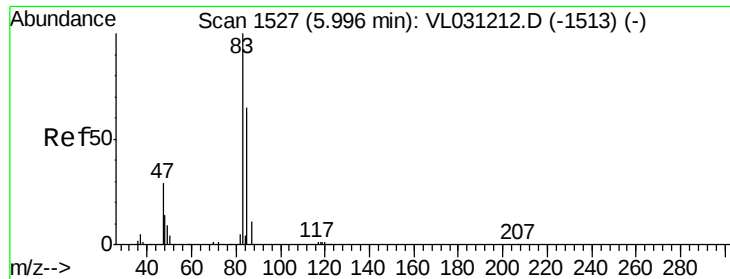
Delta R.T. 0.00 min

Lab File: VL031285.D

Acq: 21 Dec 2017 1:18

Tgt Ion:	73	Resp:	56023
Ion Ratio	Lower	Upper	
73	100		
57	0.0	18.5	27.7#





#29

Chloroform

Concen: 0.59 ppbv

RT: 6.00 min Scan# 1529

Delta R.T. 0.01 min

Lab File: VL031285.D

Acq: 21 Dec 2017 1:18

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-6

Tot Ion: 83 Resp: 162214

Ion Ratio Lower Upper

83 100

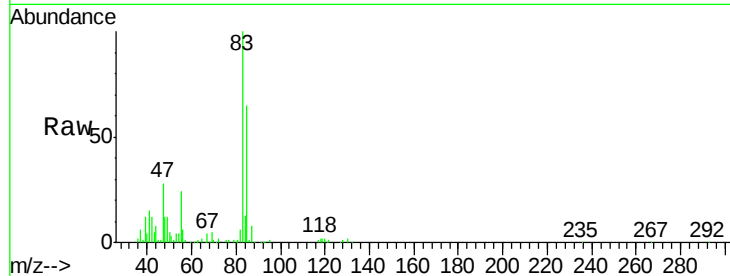
85 63.8 51.8 77.6

Manual Integrations

APPROVED

MMDadoda

12/22/2017 4:55:05 PM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

6.00

100000

80000

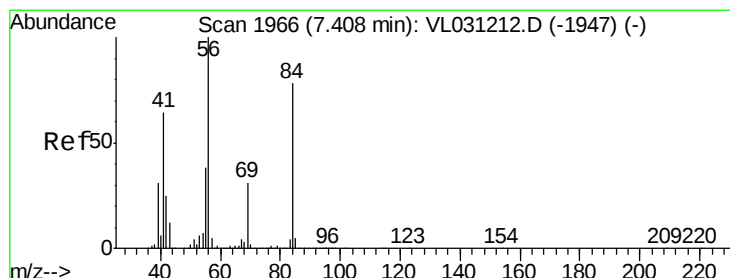
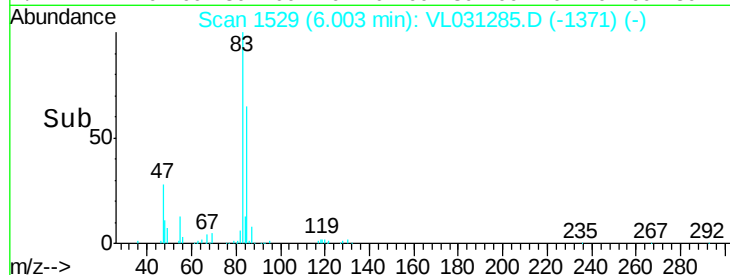
60000

40000

20000

0

Time-->



#30

Cyclohexane

Concen: 0.34 ppbv

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VL031285.D

Acq: 21 Dec 2017 1:18

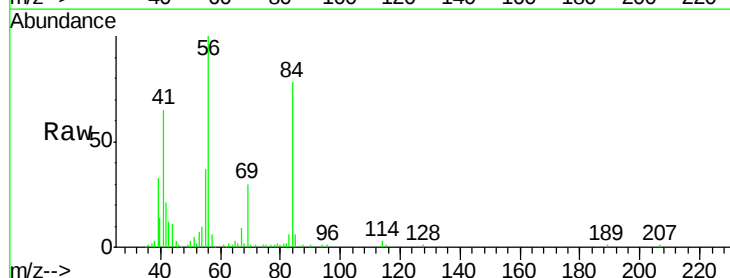
Tgt Ion: 84 Resp: 61337

Ion Ratio Lower Upper

84 100

56 118.1 108.0 162.0

41 88.3 66.2 99.4



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

80000

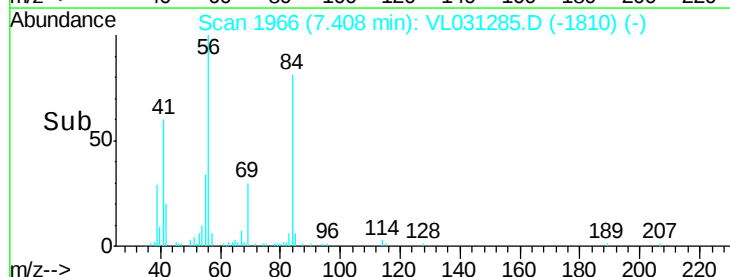
60000

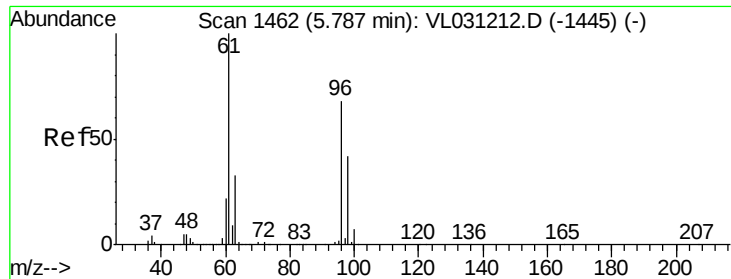
40000

20000

0

Time-->





#31

cis-1,2-Dichloroethene

Concen: 0.31 ppbv

RT: 5.79 min Scan# 1464

Delta R.T. 0.01 min

Lab File: VL031285.D

Acq: 21 Dec 2017 1:18

Instrument :

MSVOA_L

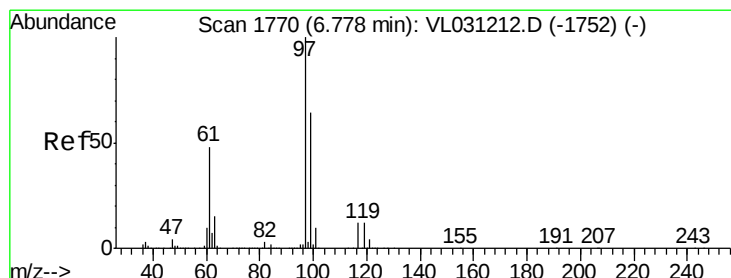
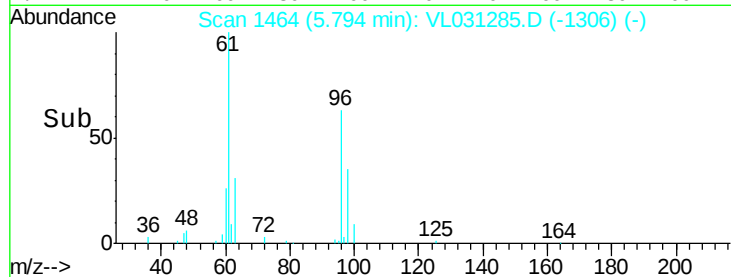
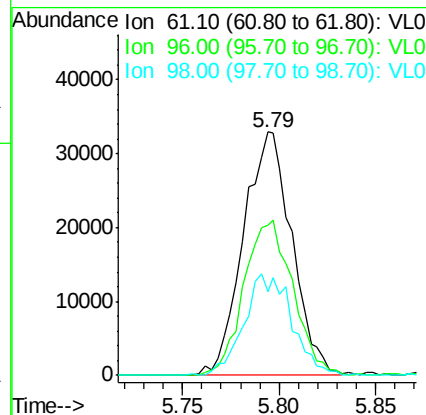
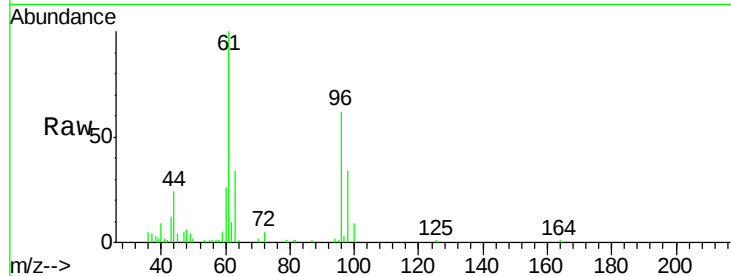
ClientSampleId :

EP1-SV-6

Tot Ion:	61	Resp:	57423
Ion	Ratio	Lower	Upper
61	100		
96	61.9	54.4	81.6
98	34.4	33.6	50.4

Manual Integrations
APPROVED

MMDadoda
12/22/2017 4:55:05 PM



#32

1,1,1-Trichloroethane

Concen: 1.69 ppbv

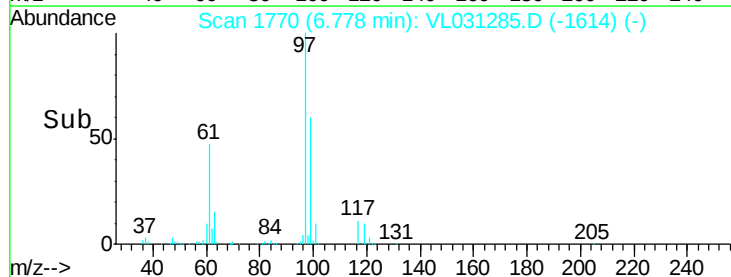
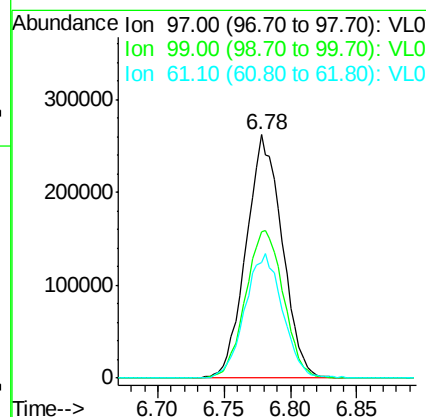
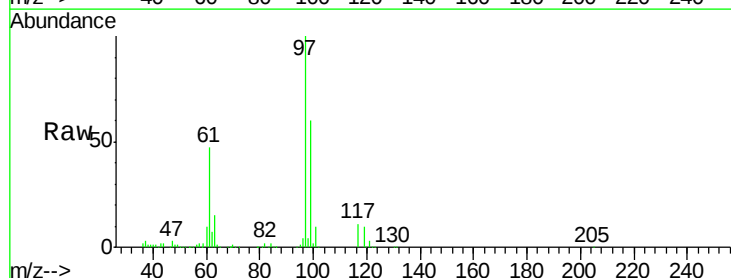
RT: 6.78 min Scan# 1770

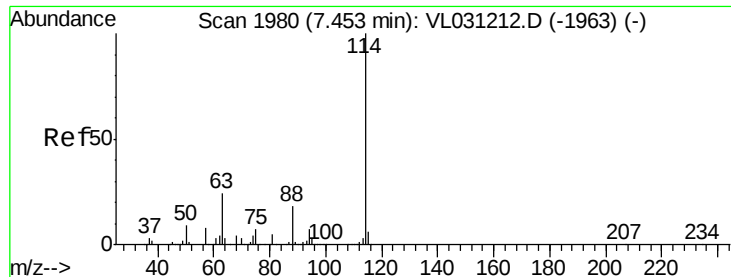
Delta R.T. 0.00 min

Lab File: VL031285.D

Acq: 21 Dec 2017 1:18

Tgt Ion:	97	Resp:	496084
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.4	77.0
61	53.6	38.4	57.6





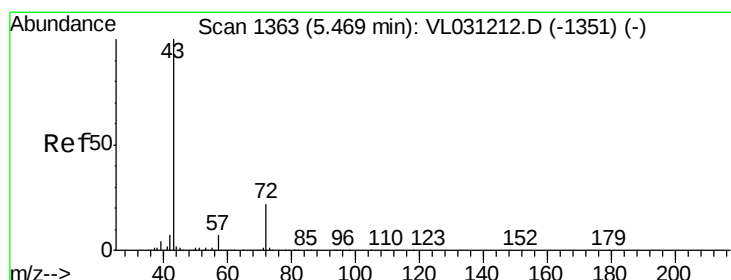
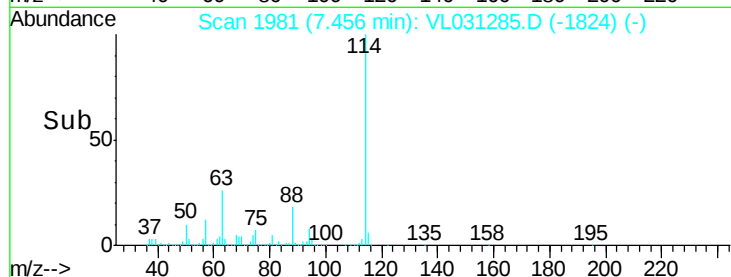
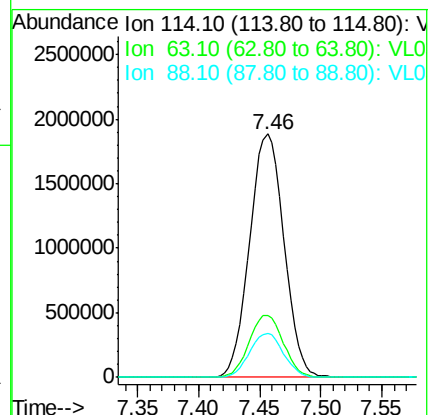
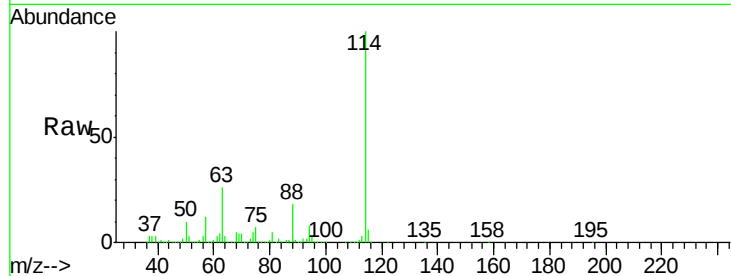
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VL031285.D
 Acq: 21 Dec 2017 1:18

Instrument :
 MSVOA_L
 ClientSampled :
 EP1-SV-6

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.6	19.8	29.8
88	17.9	14.2	21.4

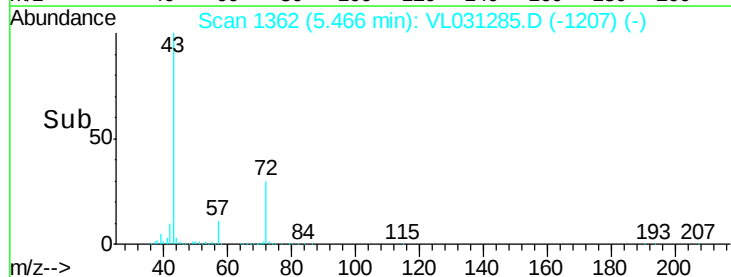
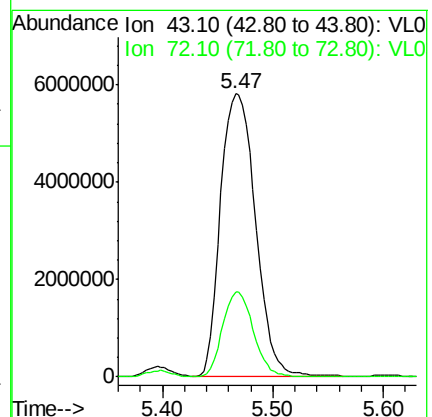
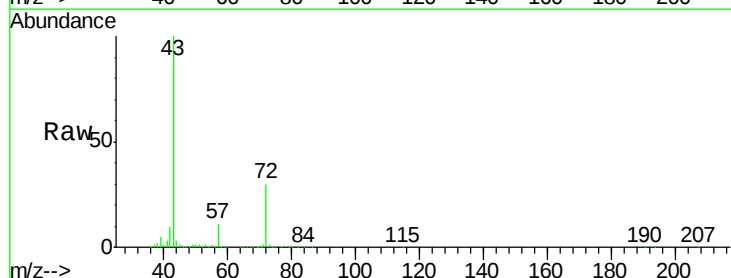
Manual Integrations
 APPROVED

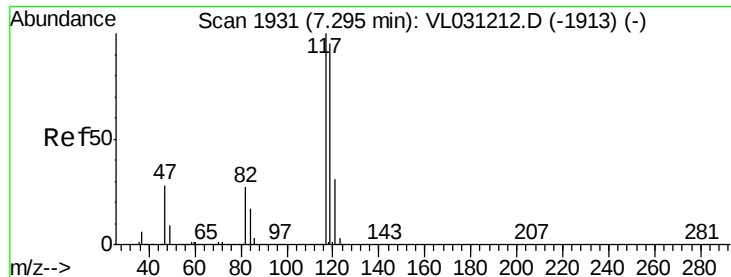
MMDadoda
 12/22/2017 4:55:05 PM



#34
 2-Butanone
 Concen: 49.31 ppbv
 RT: 5.47 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VL031285.D
 Acq: 21 Dec 2017 1:18

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.7	18.1	27.1





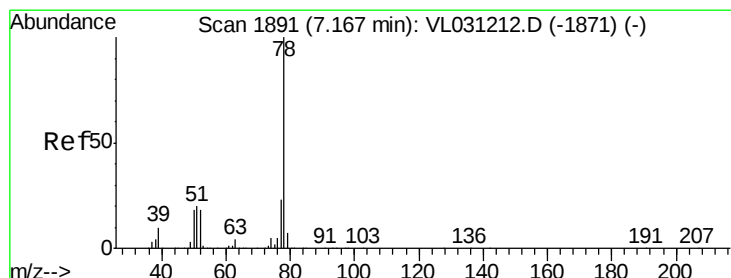
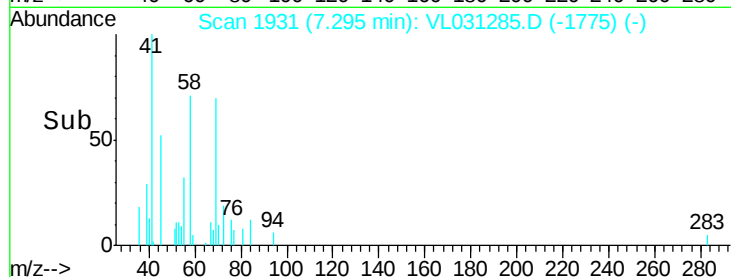
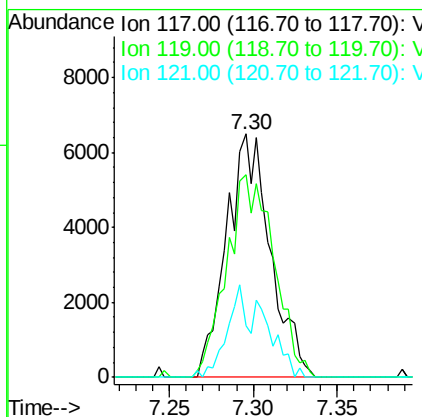
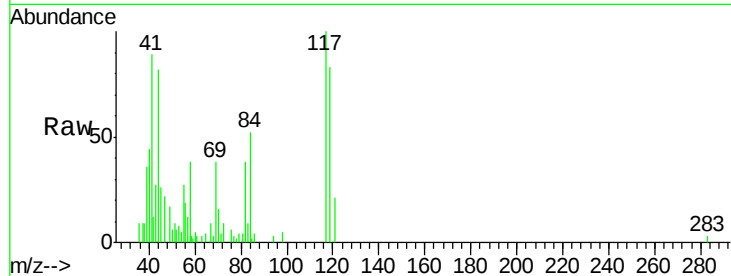
#35
Carbon Tetrachloride
Concen: 0.04 ppbv m
RT: 7.30 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VL031285.D
Acq: 21 Dec 2017 1:18

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-6

Tot Ion	Ratio	Lower	Upper
117	100		
119	83.1	75.9	113.9
121	21.3	24.6	37.0

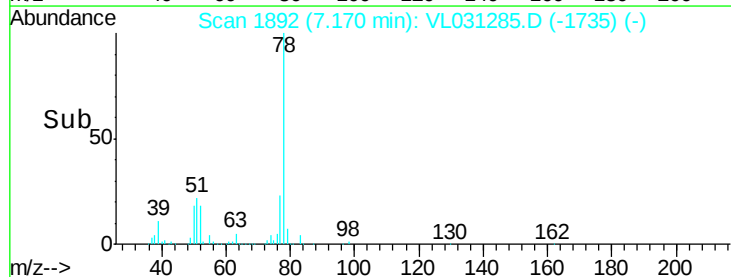
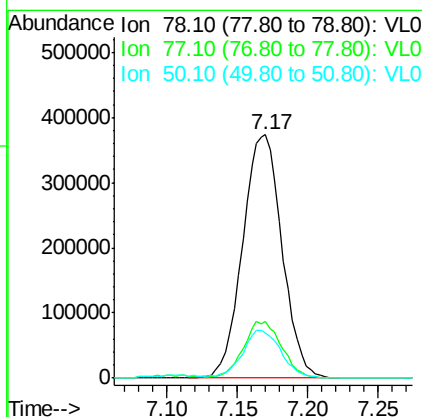
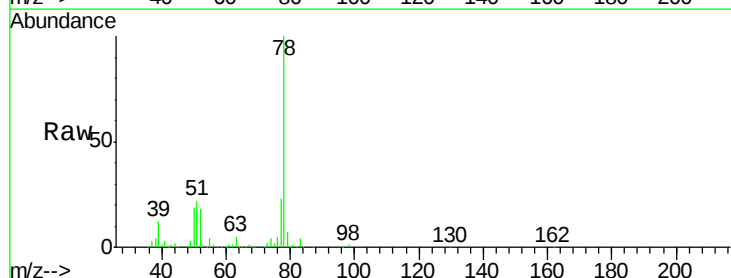
Manual Integrations
APPROVED

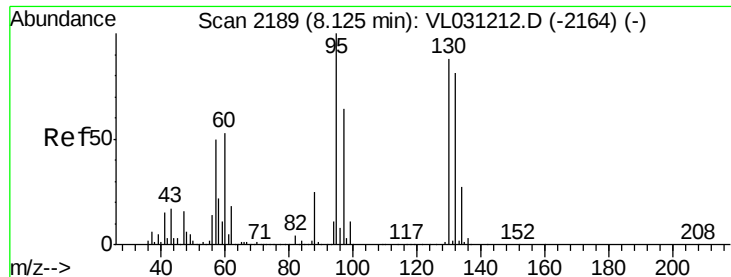
MMDadoda
12/22/2017 4:55:05 PM



#36
Benzene
Concen: 1.87 ppbv
RT: 7.17 min Scan# 1892
Delta R.T. 0.00 min
Lab File: VL031285.D
Acq: 21 Dec 2017 1:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.1	27.1
50	18.2	14.6	21.8





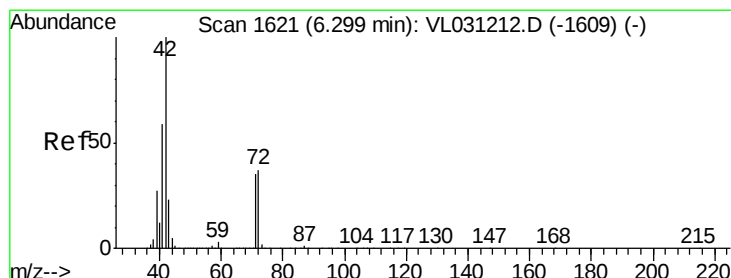
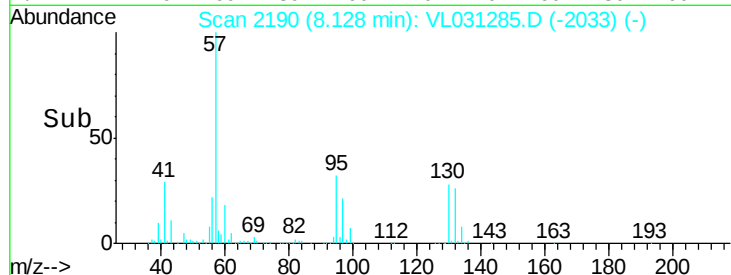
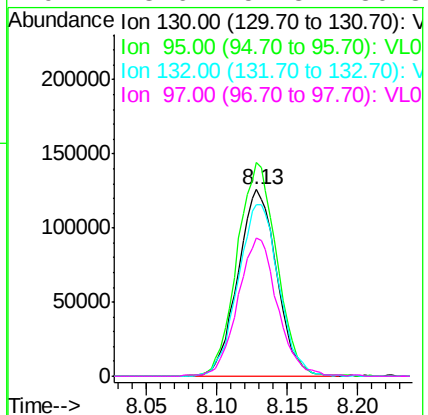
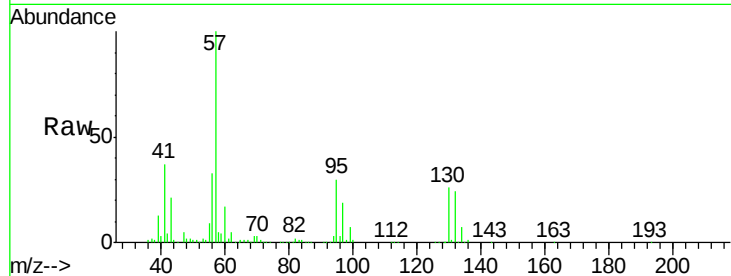
#38
 Trichloroethene
 Concen: 1.60 ppbv
 RT: 8.13 min Scan# 2190
 Delta R.T. 0.00 min
 Lab File: VL031285.D
 Acq: 21 Dec 2017 1:18

Instrument :
 MSVOA_L
 ClientSampleId :
 EP1-SV-6

Tot Ion	Ratio	Resp	Lower	Upper
130	100	242140		
95	114.1	90.6	135.8	
132	91.8	73.5	110.3	
97	73.6	57.8	86.8	

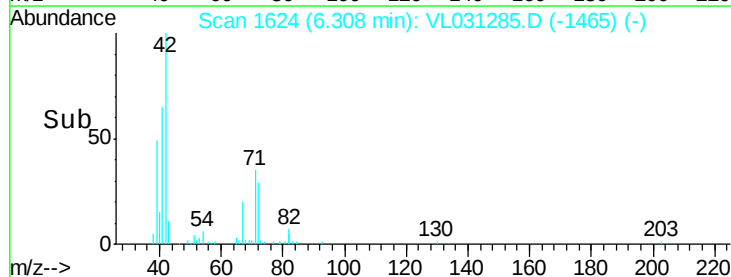
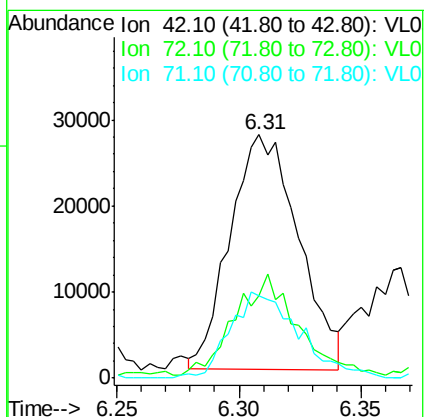
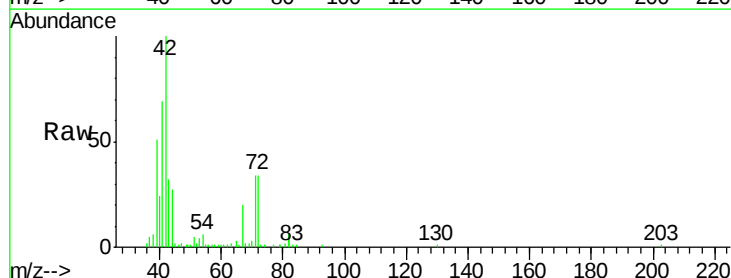
Manual Integrations
 APPROVED

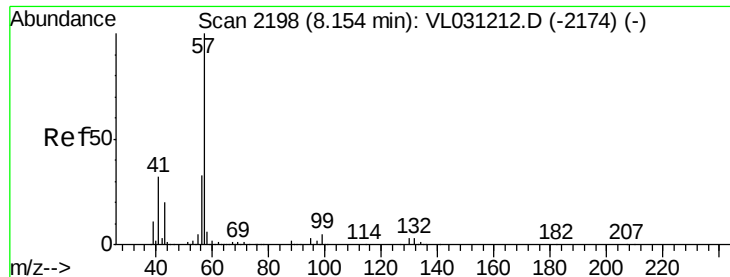
MMDadoda
 12/22/2017 4:55:05 PM



#41
 Tetrahydrofuran
 Concen: 0.36 ppbv
 RT: 6.31 min Scan# 1624
 Delta R.T. 0.01 min
 Lab File: VL031285.D
 Acq: 21 Dec 2017 1:18

Tgt Ion	Ratio	Resp	Lower	Upper
42	100	53019		
72	44.5	30.2	45.4	
71	37.8	29.0	43.6	





#44

2,2,4-Trimethylpentane

Concen: 9.60 ppbv

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VL031285.D

Acq: 21 Dec 2017 1:18

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-6

Tot Ion: 57 Resp: 5633990

Ion Ratio Lower Upper

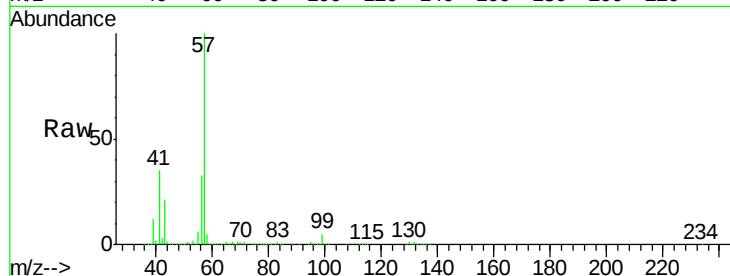
57 100

41 37.3 25.5 38.3

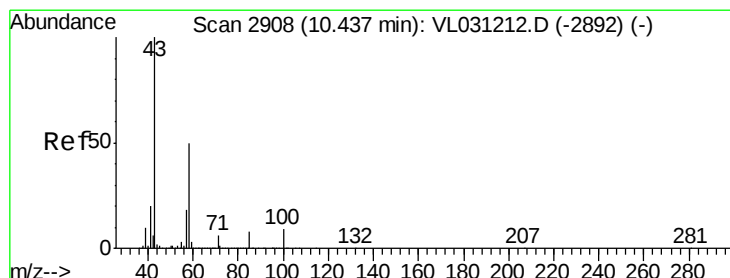
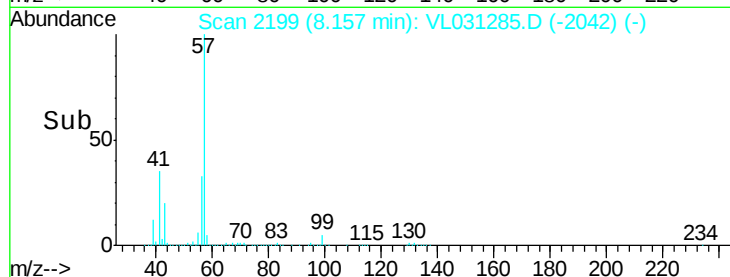
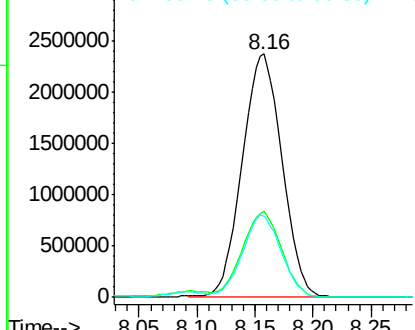
56 33.0 25.0 37.6

Manual Integrations
APPROVED

MMDadoda
12/22/2017 4:55:05 PM



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



#51

2-Hexanone

Concen: 7.18 ppbv

RT: 10.44 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VL031285.D

Acq: 21 Dec 2017 1:18

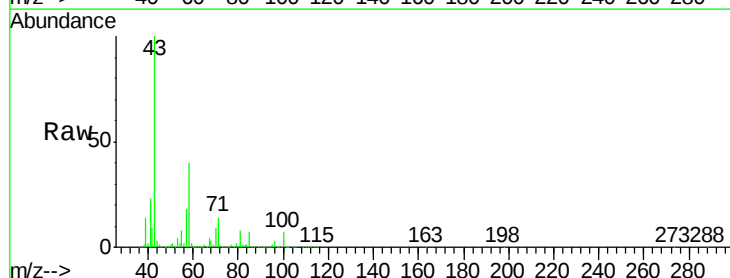
Tgt Ion: 43 Resp: 2170273

Ion Ratio Lower Upper

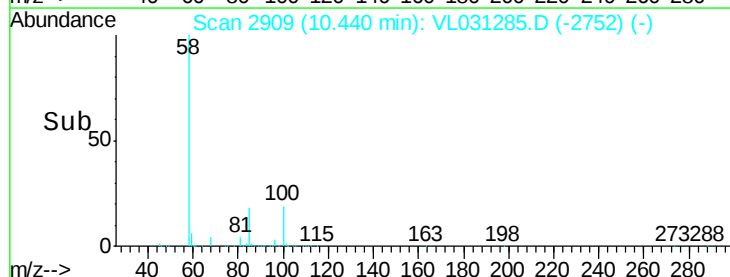
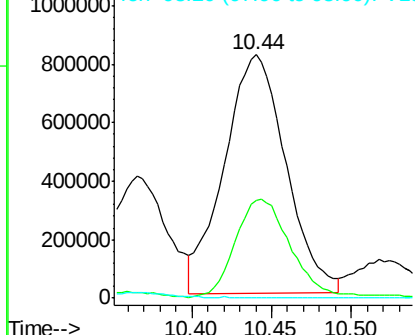
43 100

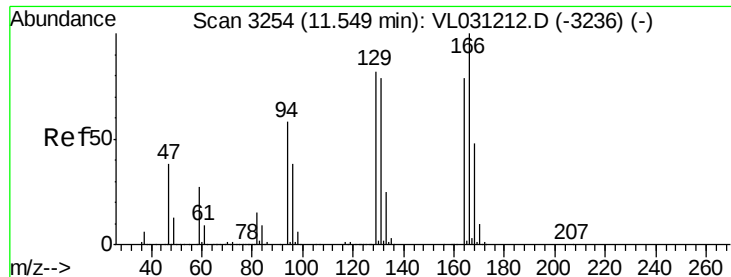
58 37.7 39.8 59.6#

98 0.0 0.0 0.0



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0





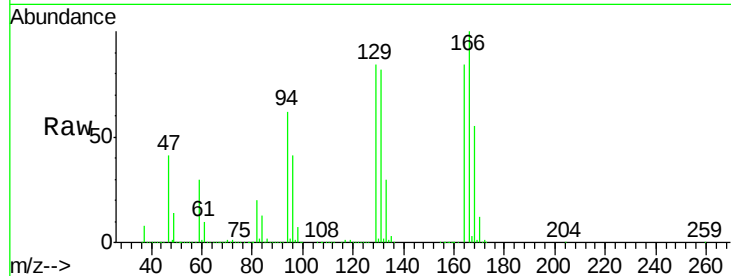
#52
Tetrachloroethene
Concen: 82.98 ppbv
RT: 11.57 min Scan# 3260
Delta R.T. 0.02 min
Lab File: VL031285.D
Acq: 21 Dec 2017 1:18

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-6

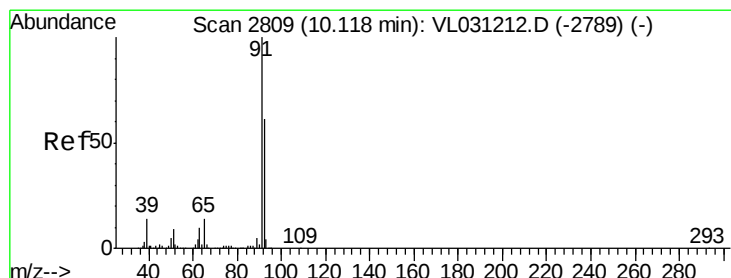
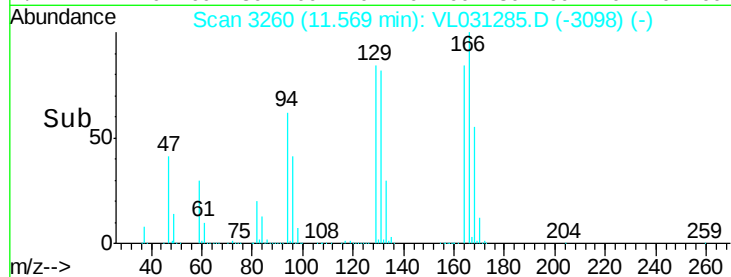
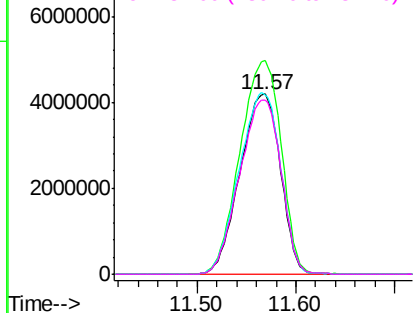
Tot Ion	Ratio	Lower	Upper
164	100		
166	118.4	100.6	151.0
129	99.7	82.9	124.3
131	96.7	79.2	118.8

Manual Integrations
APPROVED

MMDadoda
12/22/2017 4:55:05 PM

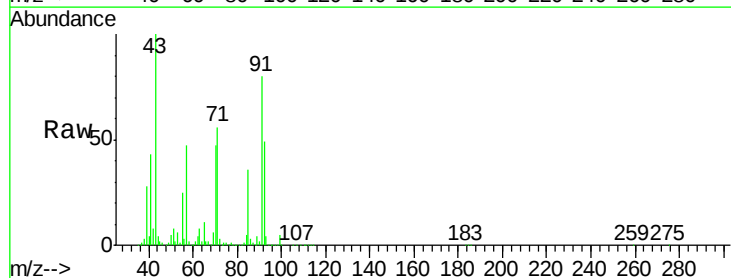


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V

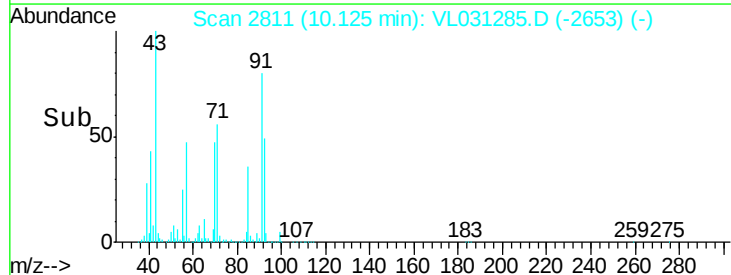
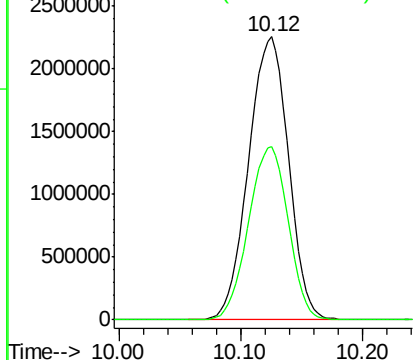


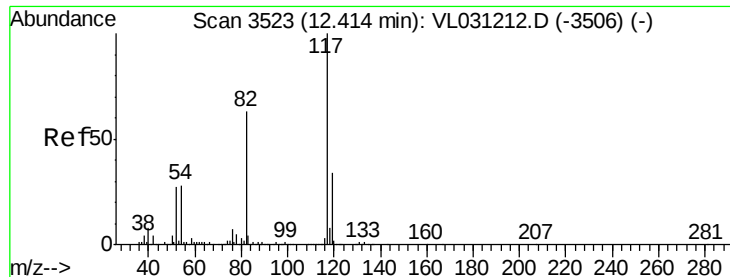
#53
Toluene
Concen: 12.14 ppbv
RT: 10.12 min Scan# 2811
Delta R.T. 0.01 min
Lab File: VL031285.D
Acq: 21 Dec 2017 1:18

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.1	49.1	73.7



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0





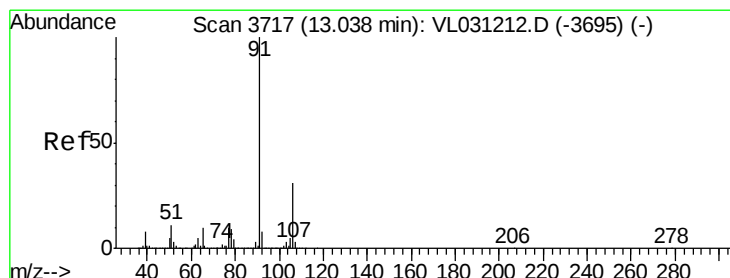
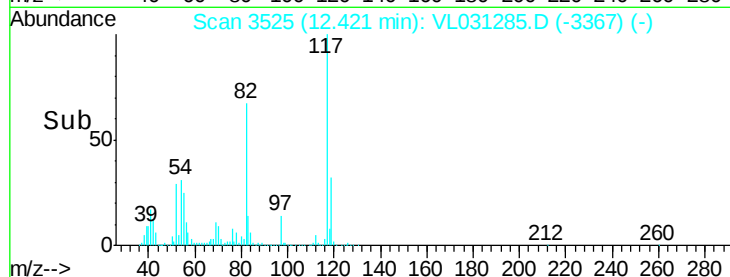
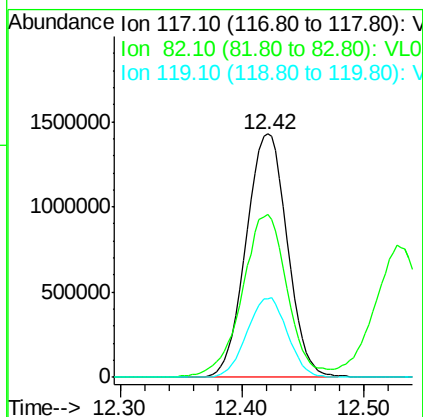
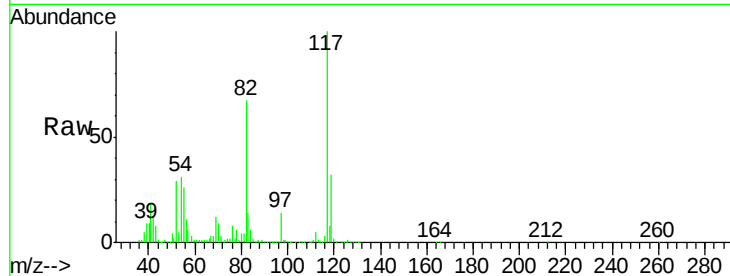
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.42 min Scan# 3525
Delta R.T. 0.01 min
Lab File: VL031285.D
Acq: 21 Dec 2017 1:18

Instrument :
MSVOA_L
ClientSampled :
EP1-SV-6

Tot Ion:117 Resp: 3333280
Ion Ratio Lower Upper
117 100
82 72.8 48.1 72.1#
119 32.4 23.1 34.7

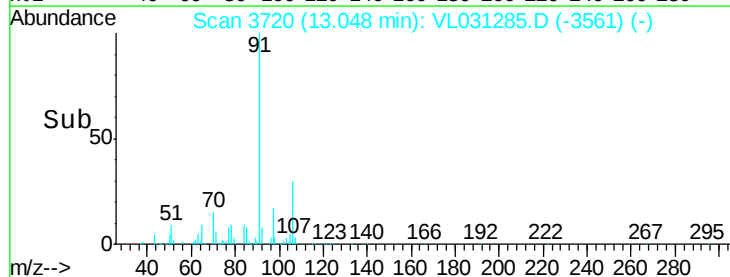
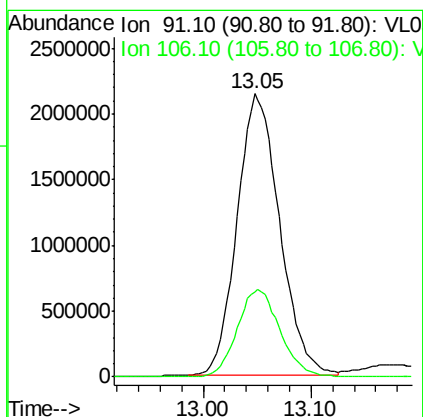
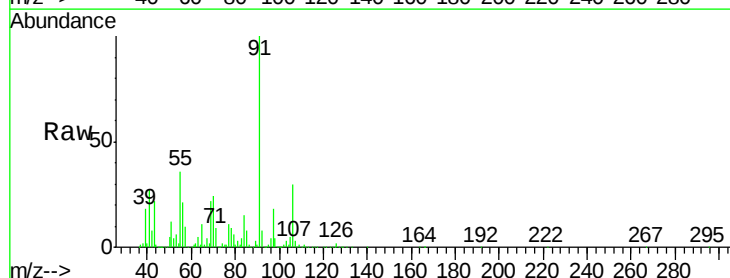
Manual Integrations
APPROVED

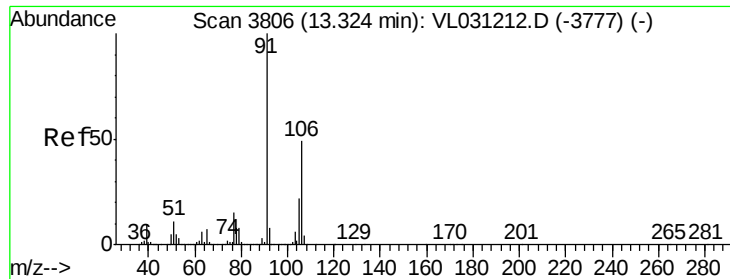
MMDadoda
12/22/2017 4:55:05 PM



#58
Ethyl Benzene
Concen: 10.66 ppbv
RT: 13.05 min Scan# 3720
Delta R.T. 0.01 min
Lab File: VL031285.D
Acq: 21 Dec 2017 1:18

Tgt Ion: 91 Resp: 5865929
Ion Ratio Lower Upper
91 100
106 30.3 25.1 37.7





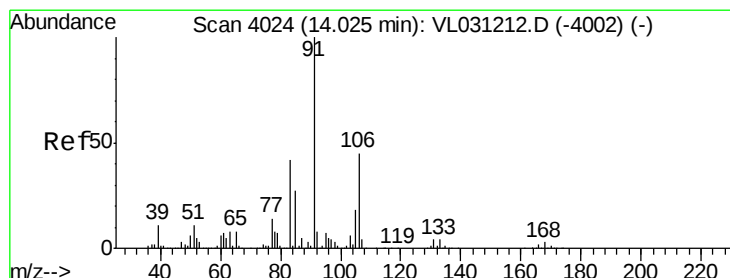
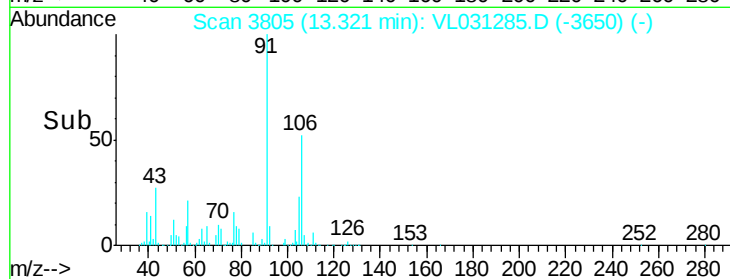
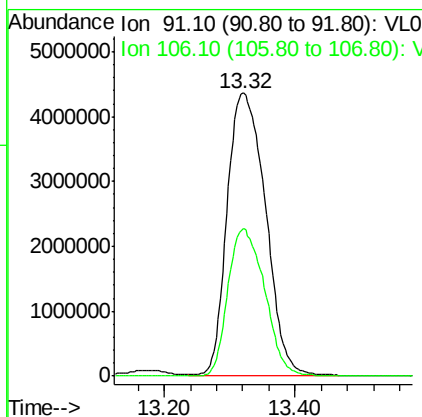
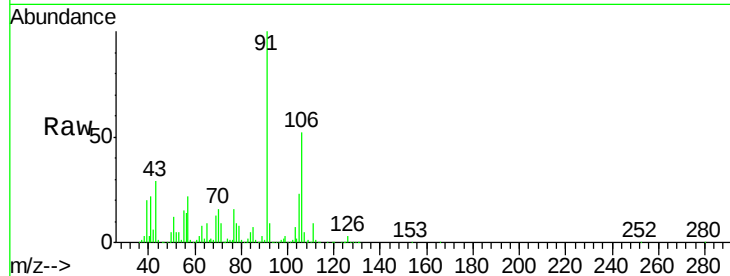
#59
m/p-Xylene
Concen: 40.11 ppbv
RT: 13.32 min Scan# 3805
Delta R.T. -0.00 min
Lab File: VL031285.D
Acq: 21 Dec 2017 1:18

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-6

Tot Ion: 91 Resp:17669616
Ion Ratio Lower Upper
91 100
106 50.2 38.5 57.7

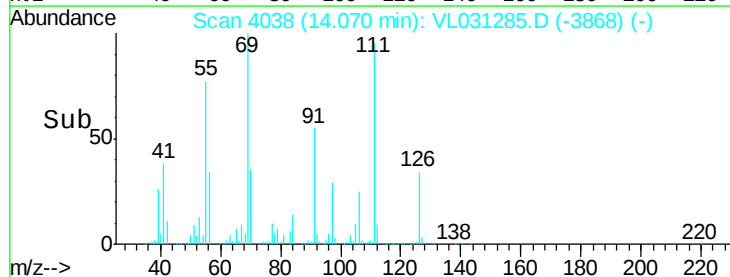
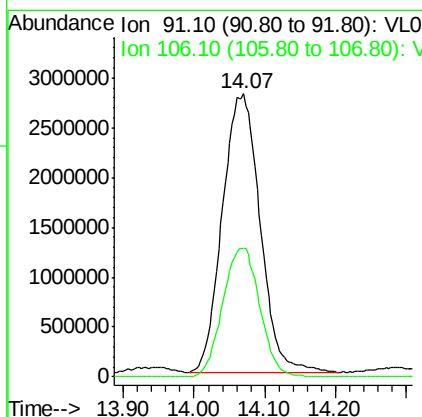
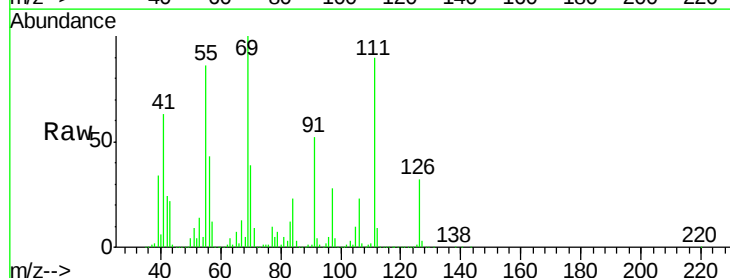
Manual Integrations
APPROVED

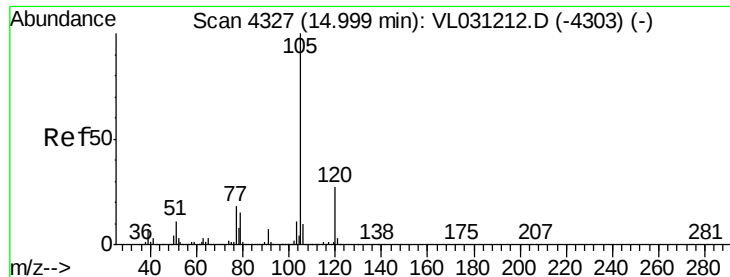
MMDadoda
12/22/2017 4:55:05 PM



#60
o-Xylene
Concen: 23.55 ppbv m
RT: 14.07 min Scan# 4038
Delta R.T. 0.05 min
Lab File: VL031285.D
Acq: 21 Dec 2017 1:18

Tgt Ion: 91 Resp:10459390
Ion Ratio Lower Upper
91 100
106 0.0 22.7 68.1#





#62

Isopropylbenzene

Concen: 3.15 ppbv

RT: 15.05 min Scan# 4343

Delta R.T. 0.05 min

Lab File: VL031285.D

Acq: 21 Dec 2017 1:18

Instrument :

MSVOA_L

ClientSampled :

EP1-SV-6

Tot Ion:105 Resp: 1832342

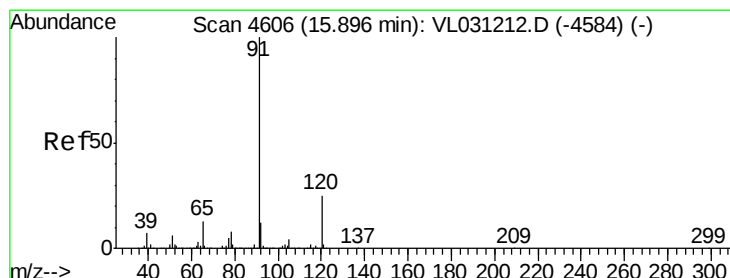
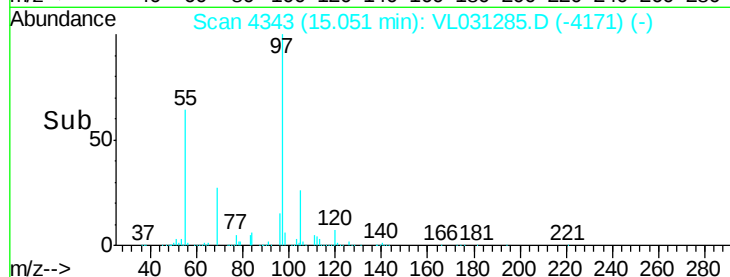
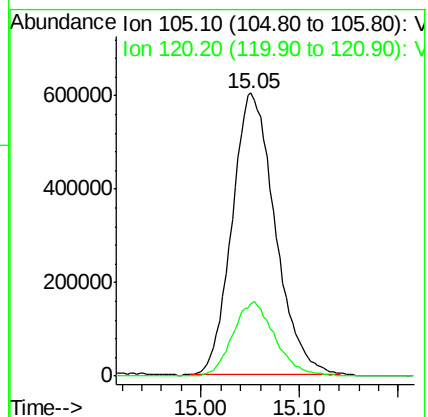
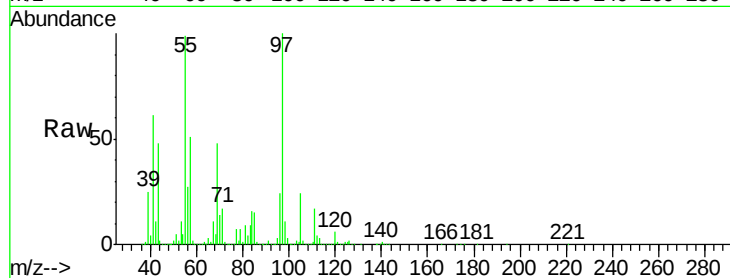
Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.6

Manual Integrations
APPROVED

MMDadoda
12/22/2017 4:55:05 PM



#64

n-propylbenzene

Concen: 2.88 ppbv m

RT: 15.98 min Scan# 4631

Delta R.T. 0.08 min

Lab File: VL031285.D

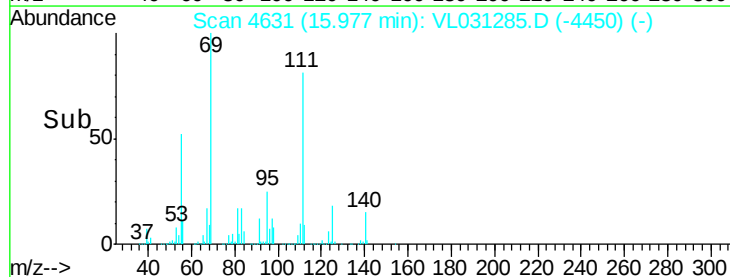
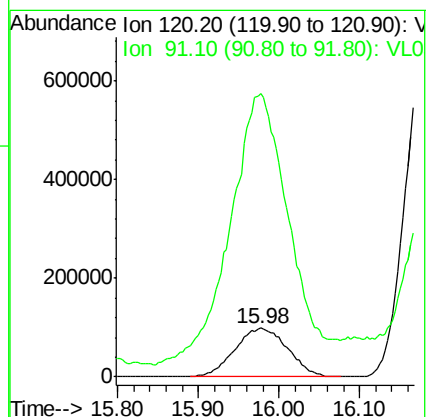
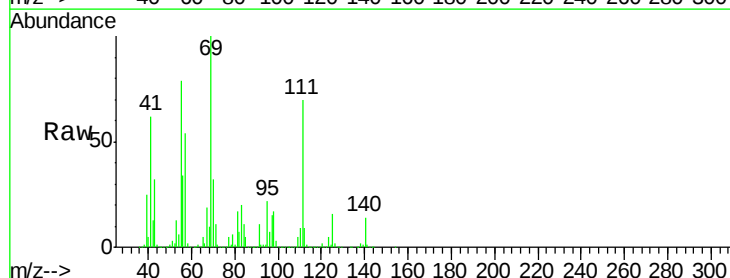
Acq: 21 Dec 2017 1:18

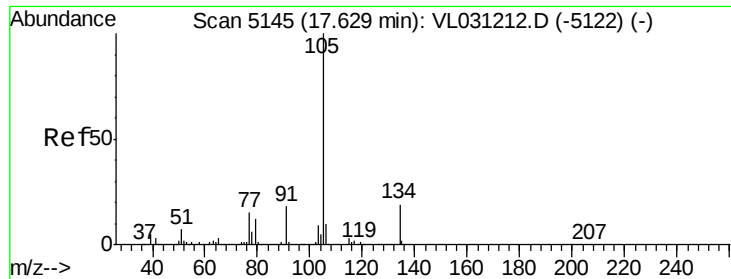
Tgt Ion:120 Resp: 444469

Ion Ratio Lower Upper

120 100

91 0.0 352.1 528.1#





#67

sec-Butylbenzene

Concen: 1.26 ppbv

RT: 17.71 min Scan# 5170

Delta R.T. 0.08 min

Lab File: VL031285.D

Acq: 21 Dec 2017 1:18

Instrument :

MSVOA_L

ClientSampled :

EP1-SV-6

Tot Ion: 105 Resp: 891613

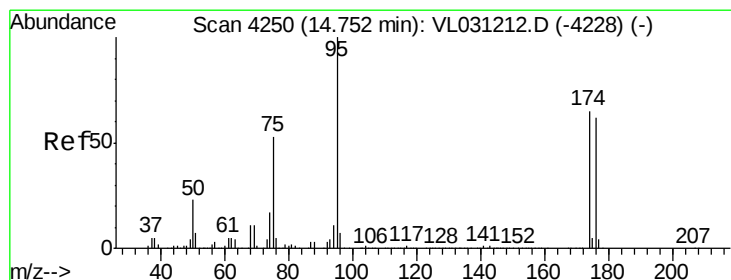
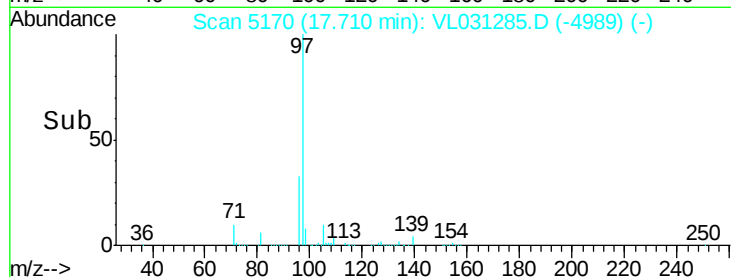
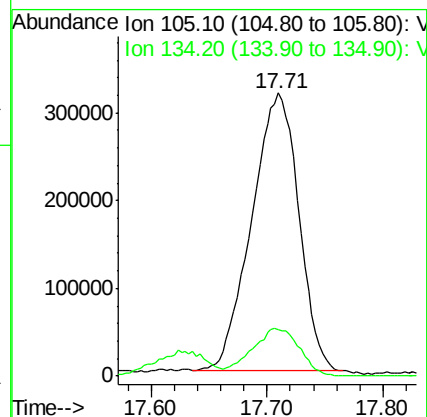
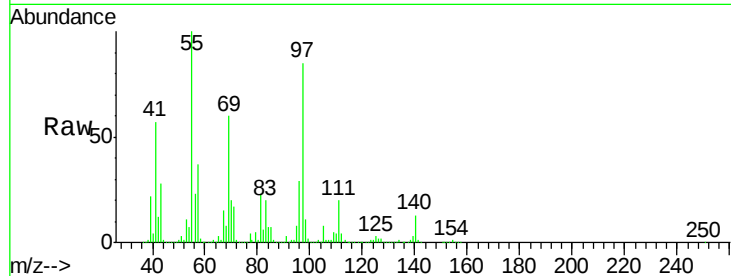
Ion Ratio Lower Upper

105 100

134 17.8 15.3 22.9

Manual Integrations
APPROVED

MMDadoda
12/22/2017 4:55:05 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 27.53 ppbv

RT: 14.78 min Scan# 4258

Delta R.T. 0.03 min

Lab File: VL031285.D

Acq: 21 Dec 2017 1:18

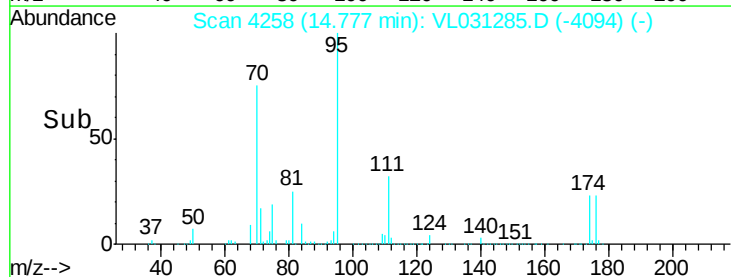
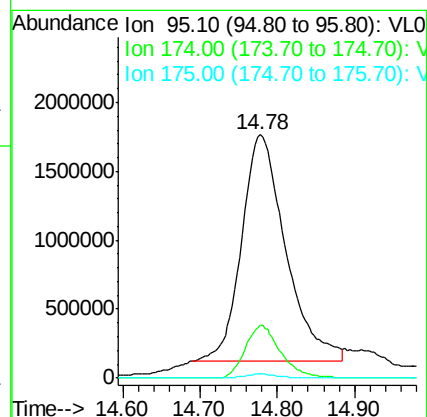
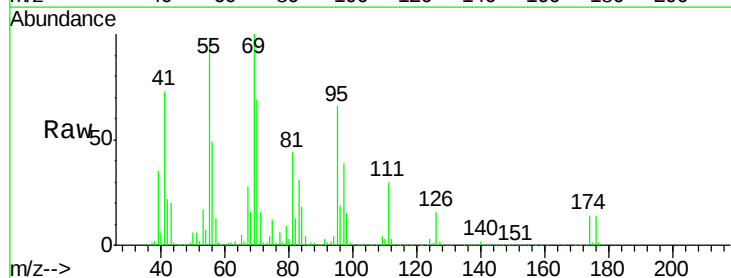
Tgt Ion: 95 Resp: 6528065

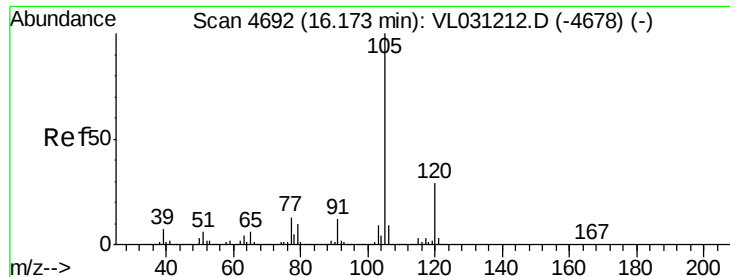
Ion Ratio Lower Upper

95 100

174 18.8 52.5 78.7#

175 1.4 4.1 6.1#





#72

4-Ethyltoluene

Concen: 18.12 ppbv m

RT: 16.19 min Scan# 4697

Delta R.T. 0.02 min

Lab File: VL031285.D

Acq: 21 Dec 2017 1:18

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-6

Tot Ion:105 Resp: 8815854

Ion Ratio Lower Upper

105 100

120 35.7 24.2 36.2

91 14.9 9.8 14.8#

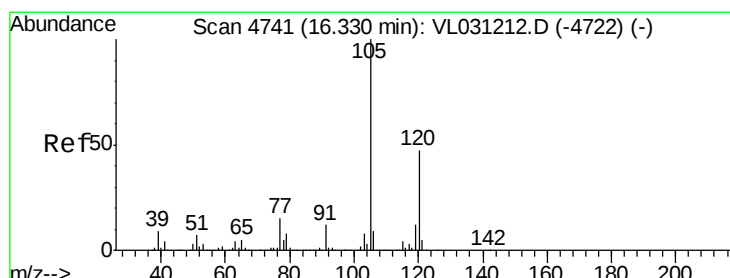
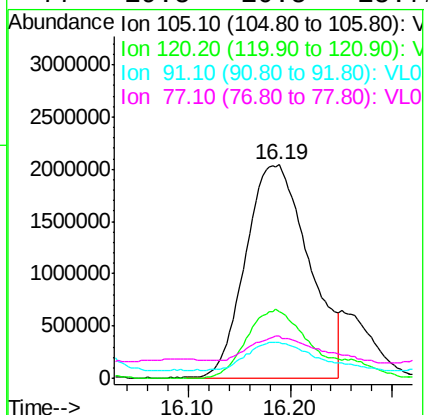
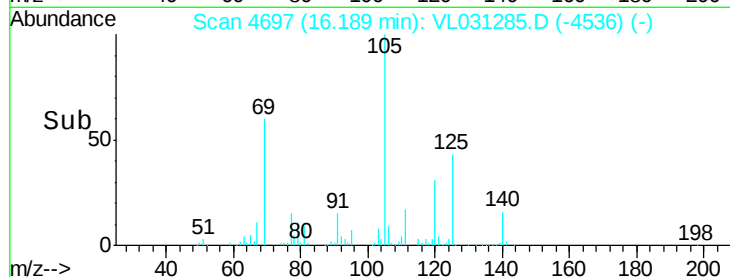
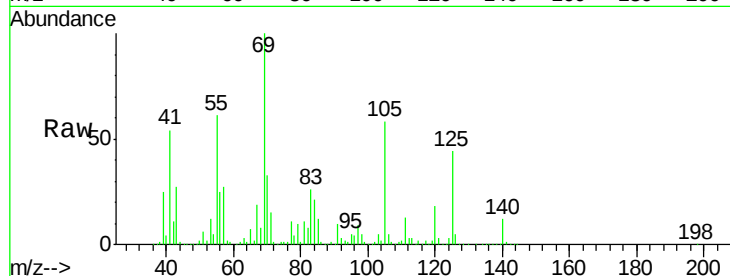
77 19.5 10.5 15.7#

Manual Integrations

APPROVED

MMDadoda

12/22/2017 4:55:05 PM



#73

1,3,5-Trimethylbenzene

Concen: 8.60 ppbv m

RT: 16.43 min Scan# 4772

Delta R.T. 0.10 min

Lab File: VL031285.D

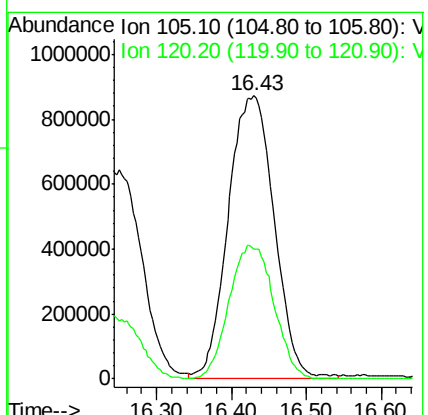
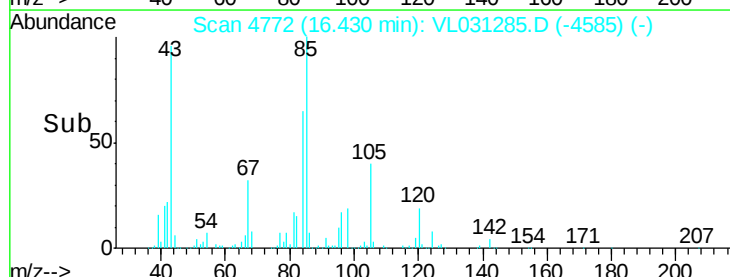
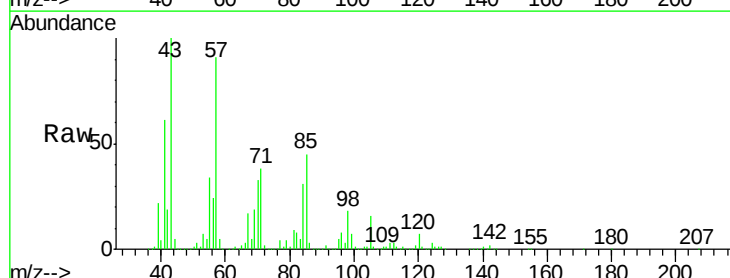
Acq: 21 Dec 2017 1:18

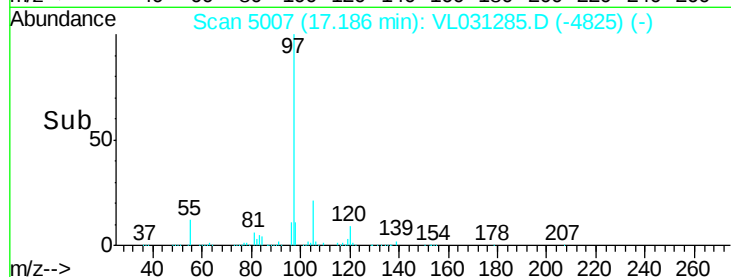
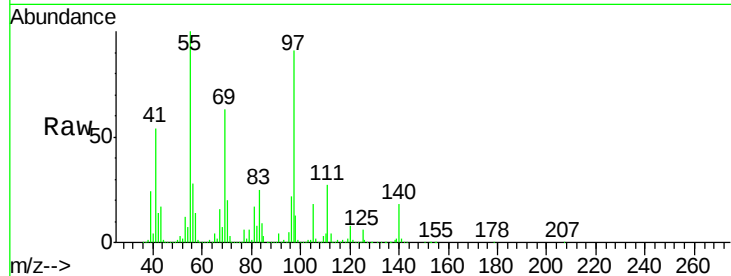
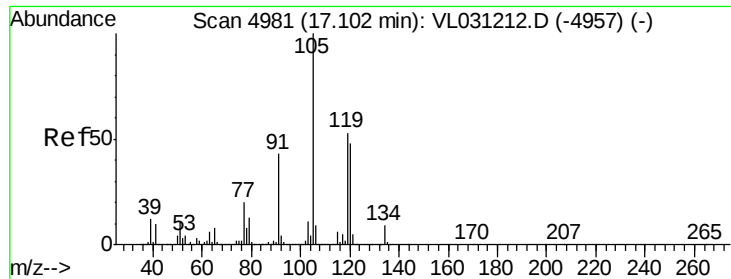
Tgt Ion:105 Resp: 3723173

Ion Ratio Lower Upper

105 100

120 45.8 37.8 56.6





#74
 1,2,4-Trimethylbenzene
 Concen: 6.76 ppbv
 RT: 17.19 min Scan# 5007
 Delta R.T. 0.08 min
 Lab File: VL031285.D
 Acq: 21 Dec 2017 1:18

Instrument :
 MSVOA_L
 ClientSampleId :
 EP1-SV-6

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.5	38.6	58.0
91	12.4	34.2	51.4
77	14.6	16.1	24.1

Manual Integrations
 APPROVED

MMDadoda
 12/22/2017 4:55:05 PM

