

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062918\
 Data File : VL032145.D
 Acq On : 29 Jun 2018 18:04
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
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 7/2/2018 4:24:45 PM

Quant Time: Jun 29 18:45:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jun 1
 QLast Update : Thu Jun 14 15:20:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.85	49	1237300	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.39	114	3164677	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.35	117	3336006m	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.68	95	2397164	9.67	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.13	85	1234393	9.51	ppbv	98
3) Chlorodifluoromethane	3.07	51	1382134	8.60	ppbv	97
4) Chloromethane	3.23	50	762556	8.88	ppbv	100
5) Vinyl Chloride	3.35	62	744857	8.41	ppbv	100
6) Bromomethane	3.58	94	435725	8.48	ppbv	95
7) Chloroethane	3.67	64	266400	8.12	ppbv	98
8) Dichlorotetrafluoroethane	3.28	85	1620499	9.08	ppbv	99
9) Propene	3.09	41	663575	8.45	ppbv	97
10) Heptane	8.34	43	2003927	9.01	ppbv	99
11) Trichlorofluoromethane	4.07	101	1652345	9.67	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.63	101	1055505	9.12	ppbv	99
13) Ethanol	3.71	45	171346	7.25	ppbv	100
14) Bromoethene	3.86	108	529287	9.33	ppbv	98
15) Acetone	3.97	43	1297948	7.89	ppbv	99
16) 1,3-Butadiene	3.42	39	677282	8.77	ppbv	91
17) tert-Butyl alcohol	4.43	59	900056	9.11	ppbv	99
18) 1,1-Dichloroethene	4.42	96	530295	9.33	ppbv	98
19) Isopropyl Alcohol	4.09	45	1155747	8.96	ppbv	88
20) Methylene Chloride	4.48	84	455999	8.21	ppbv	98
21) Allyl Chloride	4.55	41	950793	9.32	ppbv	98
22) trans-1,2-Dichloroethene	5.04	96	517921	8.96	ppbv	95
23) Vinyl Acetate	5.23	43	2469943	9.87	ppbv	99
24) 1,1-Dichloroethane	5.17	63	1540979	8.18	ppbv	99
25) Ethyl Acetate	5.85	43	2723638	7.55	ppbv	100
26) Hexane	5.86	57	1222252	7.65	ppbv	94
27) Carbon Disulfide	4.70	76	1361101	8.52	ppbv	99
28) Methyl tert-Butyl Ether	5.19	73	2272487	11.24	ppbv	100
29) Chloroform	5.94	83	1851946	8.78	ppbv	98
30) Cyclohexane	7.34	84	1136782	8.64	ppbv	99
31) cis-1,2-Dichloroethene	5.73	61	1278664	8.99	ppbv	99
32) 1,1,1-Trichloroethane	6.71	97	1884236	8.57	ppbv	99
34) 2-Butanone	5.41	43	1918260	7.47	ppbv	99
35) Carbon Tetrachloride	7.23	117	1914465	8.72	ppbv	97
36) Benzene	7.10	78	2714324	7.91	ppbv	99
37) 1,2-Dichloroethane	6.50	62	1414075	8.01	ppbv	99
38) Trichloroethene	8.06	130	1113672	8.42	ppbv	99
39) 1,2-Dichloropropane	7.84	63	1137603	9.03	ppbv	97
40) 1,4-Dioxane	8.05	88	466472	7.94	ppbv #	13
41) Tetrahydrofuran	6.23	42	1152023	7.51	ppbv	99
42) Bromodichloromethane	8.02	83	2411030	10.10	ppbv	97
43) Methyl Methacrylate	8.23	69	1279521	9.43	ppbv	98

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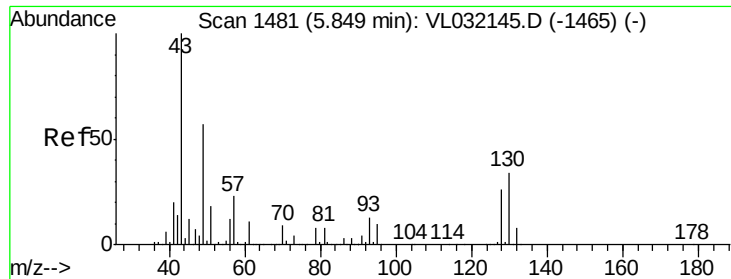
Manual Integrations
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Quant Time: Jun 29 18:45:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jun 14 15:20:36 2018
 QLast Update : Thu Jun 14 15:20:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.09	57	5132853	9.11	ppbv	99
45) t-1,3-Dichloropropene	9.52	75	1675810	9.98	ppbv	97
46) cis-1,3-Dichloropropene	8.94	75	1860395	8.66	ppbv	97
47) 1,1,2-Trichloroethane	9.72	97	1212049	8.50	ppbv	99
48) Dibromochloromethane	10.56	129	1994870	9.35	ppbv	99
49) Bromoform	13.31	173	1672394	10.23	ppbv	99
50) 4-Methyl-2-Pentanone	8.97	43	3078813	7.73	ppbv	98
51) 2-Hexanone	10.37	43	2654075	6.69	ppbv #	99
52) Tetrachloroethene	11.48	164	977827	7.71	ppbv	97
53) Toluene	10.05	91	3546533	8.56	ppbv	99
54) 1,2-Dibromoethane	10.86	107	1843845	8.74	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.39	131	1303919	8.79	ppbv	98
57) Chlorobenzene	12.41	112	2475842	7.83	ppbv	99
58) Ethyl Benzene	12.97	91	4585891	7.89	ppbv	98
59) m/p-Xylene	13.26	91	7202912m	15.66	ppbv	
60) o-Xylene	13.95	91	3559804	7.80	ppbv	98
61) Styrene	13.79	104	3148414	23.10	ppbv	97
62) Isopropylbenzene	14.93	105	5296888	8.71	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.94	83	2496436	7.05	ppbv	100
64) n-propylbenzene	15.83	120	1365262	8.62	ppbv	94
65) tert-Butylbenzene	17.01	119	4400000	8.22	ppbv	98
66) Benzyl Chloride	17.26	91	3316180	48.55	ppbv	97
67) sec-Butylbenzene	17.57	105	6436341	8.25	ppbv	99
69) p-Isopropyltoluene	17.92	119	5335474	8.34	ppbv	98
70) n-Butylbenzene	18.82	91	5567937	8.28	ppbv	100
71) 2-Chlorotoluene	15.73	91	3994809	8.57	ppbv	97
72) 4-Ethyltoluene	16.11	105	4452233	8.65	ppbv	99
73) 1,3,5-Trimethylbenzene	16.27	105	4202554	9.12	ppbv	96
74) 1,2,4-Trimethylbenzene	17.03	105	4081138	8.32	ppbv	99
75) 1,3-Dichlorobenzene	17.27	146	2339384	7.80	ppbv	99
76) 1,4-Dichlorobenzene	17.42	146	2451831	8.04	ppbv	98
77) 1,2-Dichlorobenzene	18.10	146	2396894	7.69	ppbv	98
78) Hexachloro-1,3-Butadiene	23.64	225	831198	9.80	ppbv	99
79) Naphthalene	22.54	128	4554474	8.90	ppbv	99
80) Naphthalene, 2-methyl-	25.19	142	2512684	8.20	ppbv	98
81) 1,2,4-Trichlorobenzene	22.26	180	2074842	10.35	ppbv	99

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



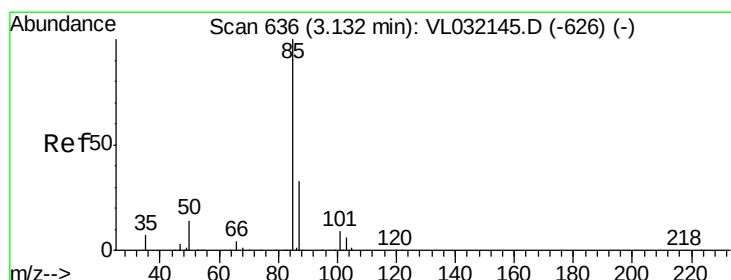
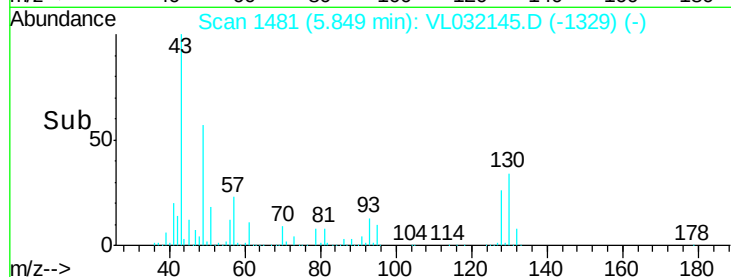
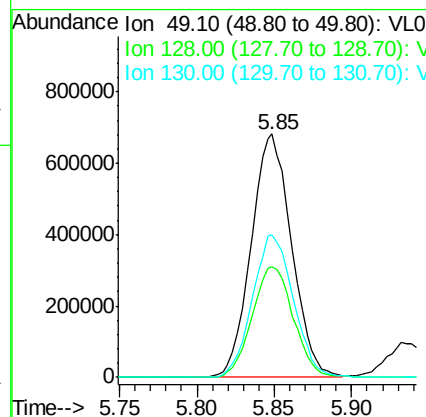
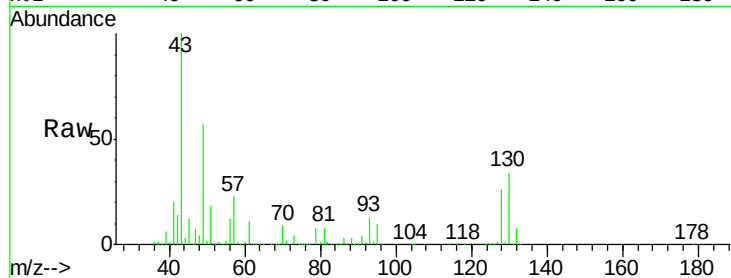
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 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.85 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VL032145.D
 Acq: 29 Jun 2018 18:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 49 Resp: 1237300
 Ion Ratio Lower Upper
 49 100
 128 46.6 23.4 70.0
 130 59.7 30.3 90.9

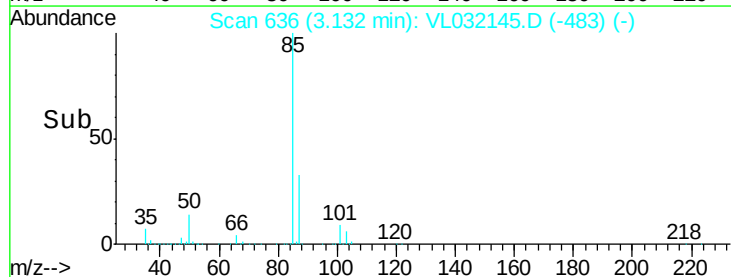
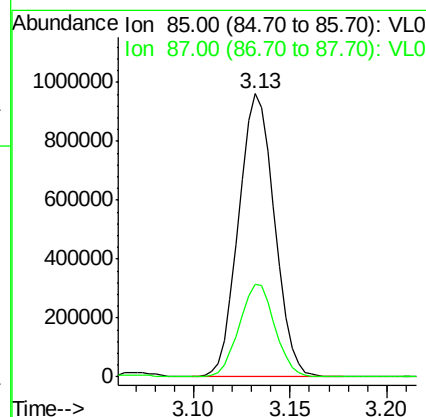
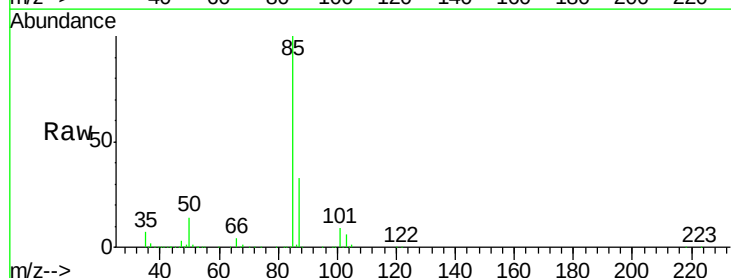
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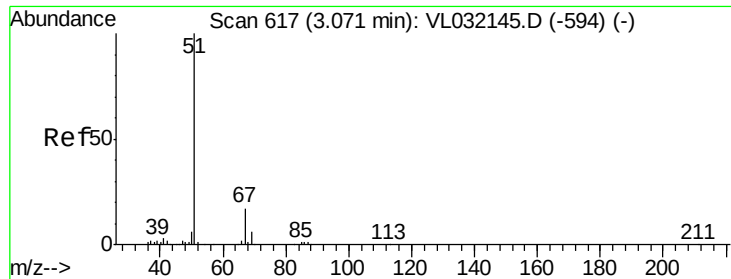
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#2
 Dichlorodifluoromethane
 Concen: 9.51 ppbv
 RT: 3.13 min Scan# 636
 Delta R.T. -0.01 min
 Lab File: VL032145.D
 Acq: 29 Jun 2018 18:04

Tgt Ion: 85 Resp: 1234393
 Ion Ratio Lower Upper
 85 100
 87 32.5 26.7 40.1





#3

Chlorodifluoromethane

Concen: 8.60 ppbv

RT: 3.07 min Scan# 617

Delta R.T. -0.01 min

Lab File: VL032145.D

Acq: 29 Jun 2018 18:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 51 Resp: 1382134

Ion Ratio Lower Upper

51 100

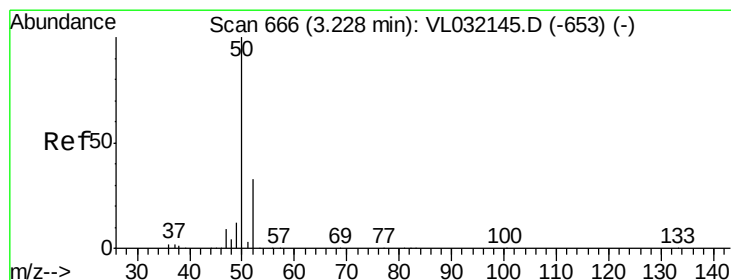
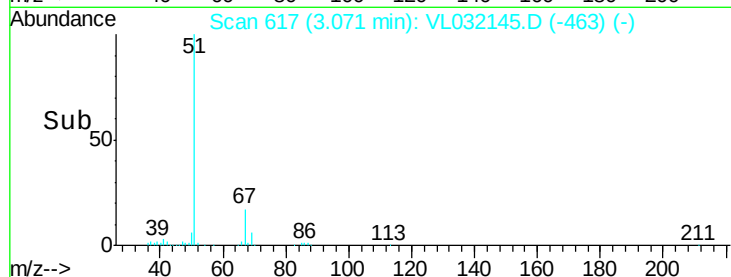
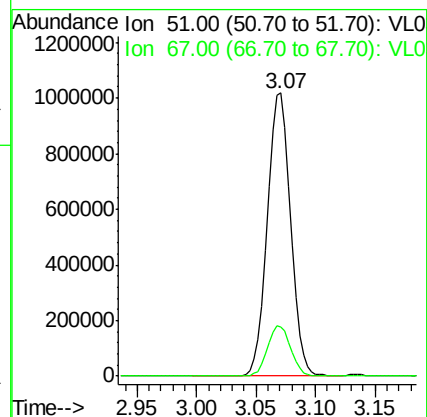
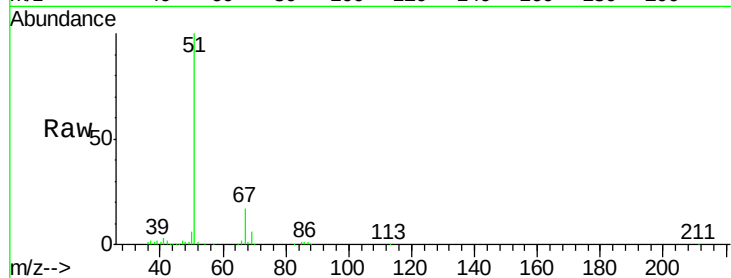
67 17.8 13.2 19.8

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#4

Chloromethane

Concen: 8.88 ppbv

RT: 3.23 min Scan# 666

Delta R.T. -0.01 min

Lab File: VL032145.D

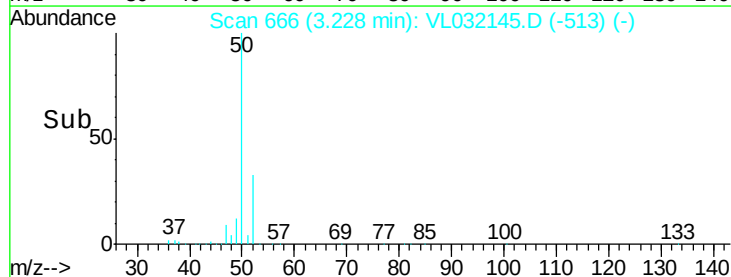
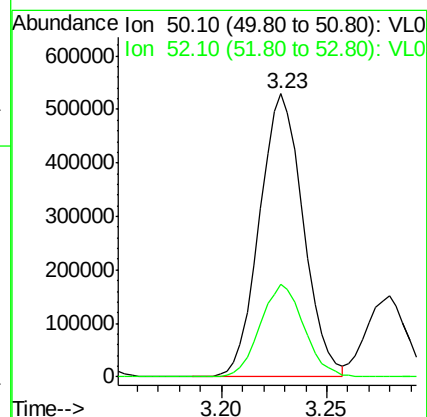
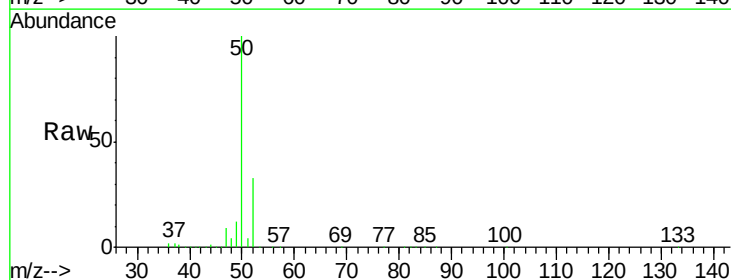
Acq: 29 Jun 2018 18:04

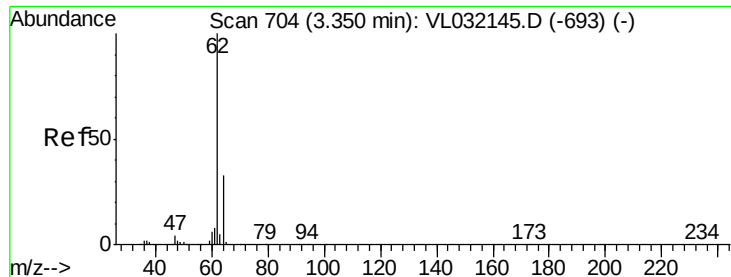
Tgt Ion: 50 Resp: 762556

Ion Ratio Lower Upper

50 100

52 32.7 26.0 39.0





#5

Vinyl Chloride

Concen: 8.41 ppbv

RT: 3.35 min Scan# 704

Delta R.T. -0.01 min

Lab File: VL032145.D

Acq: 29 Jun 2018 18:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 744857

Ion Ratio Lower Upper

62 100

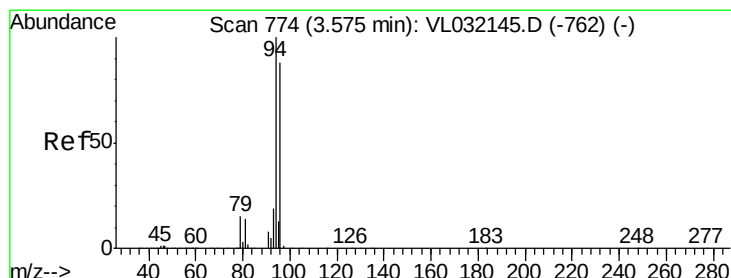
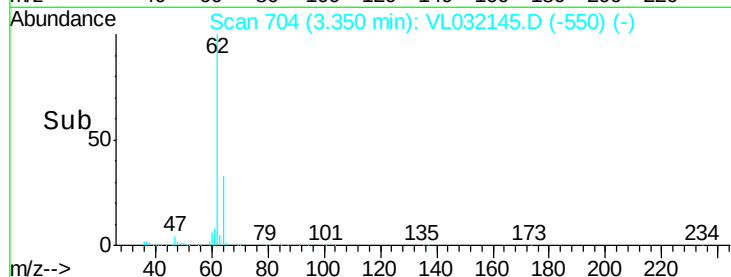
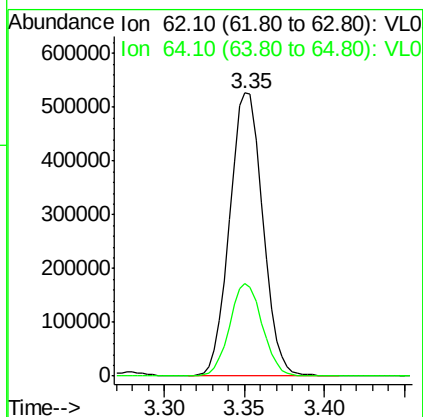
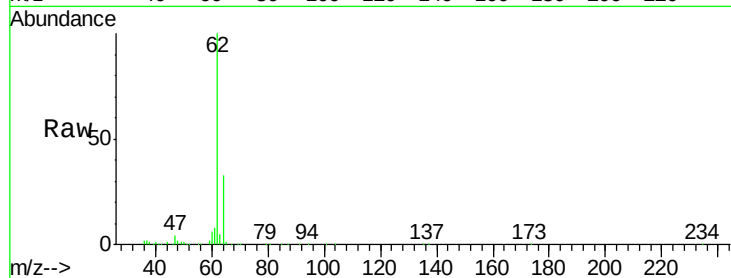
64 32.8 26.1 39.1

Manual Integrations

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#6

Bromomethane

Concen: 8.48 ppbv

RT: 3.58 min Scan# 774

Delta R.T. -0.01 min

Lab File: VL032145.D

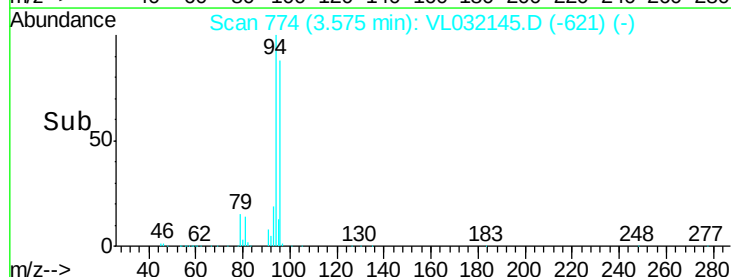
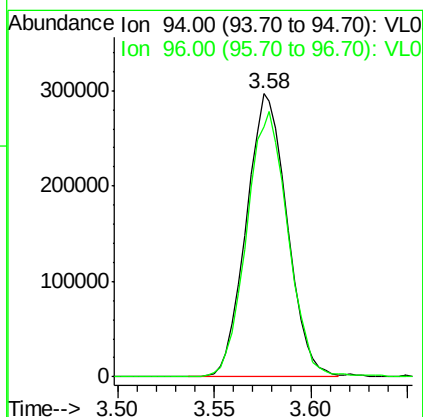
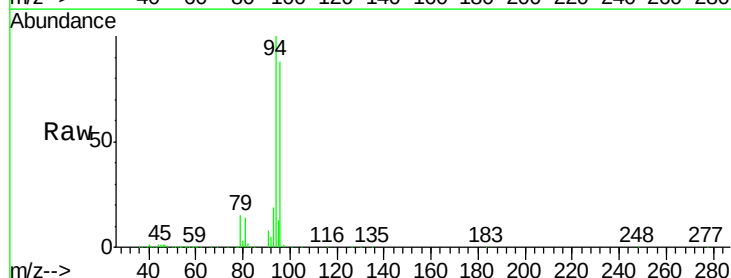
Acq: 29 Jun 2018 18:04

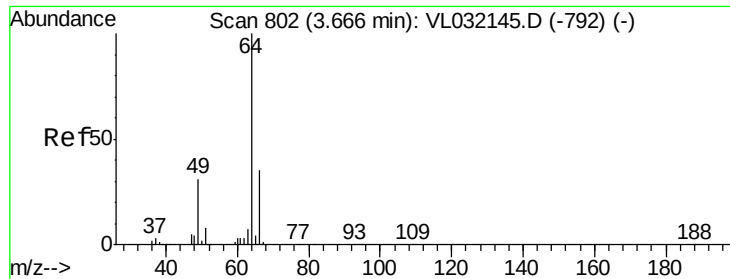
Tgt Ion: 94 Resp: 435725

Ion Ratio Lower Upper

94 100

96 88.2 74.7 112.1





#7

Chloroethane

Concen: 8.12 ppbv

RT: 3.67 min Scan# 802

Delta R.T. -0.01 min

Lab File: VL032145.D

Acq: 29 Jun 2018 18:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 266400

Ion Ratio Lower Upper

64 100

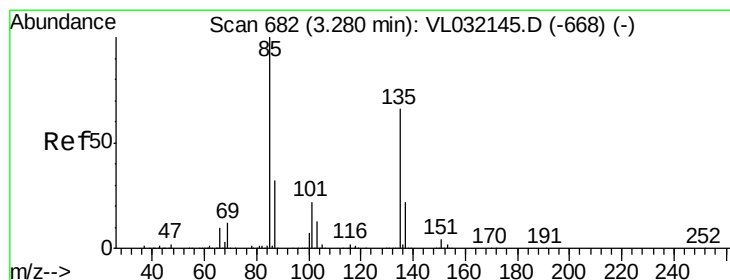
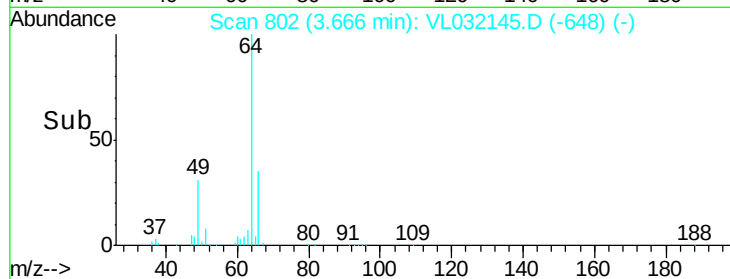
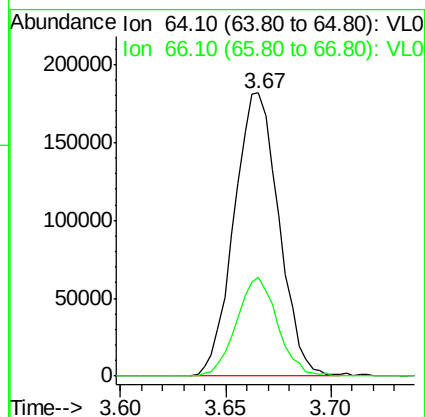
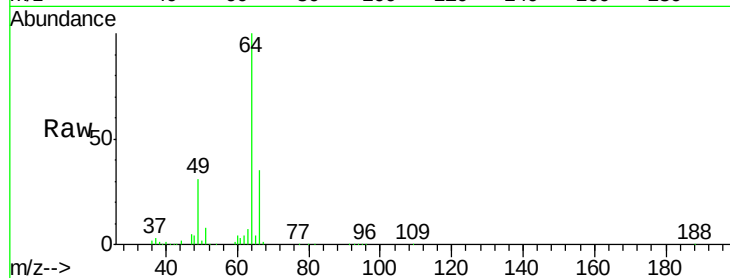
66 35.0 26.9 40.3

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.08 ppbv

RT: 3.28 min Scan# 682

Delta R.T. -0.01 min

Lab File: VL032145.D

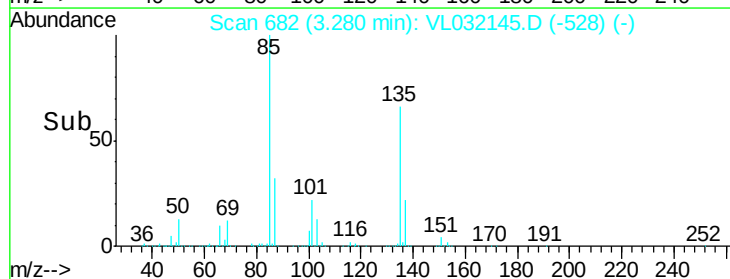
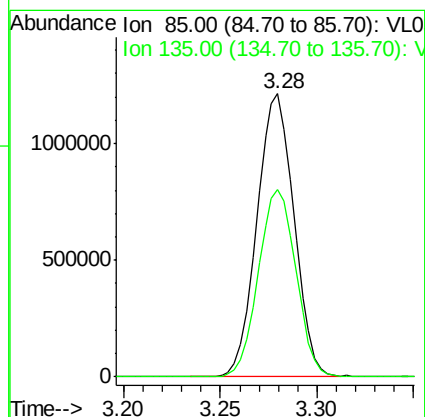
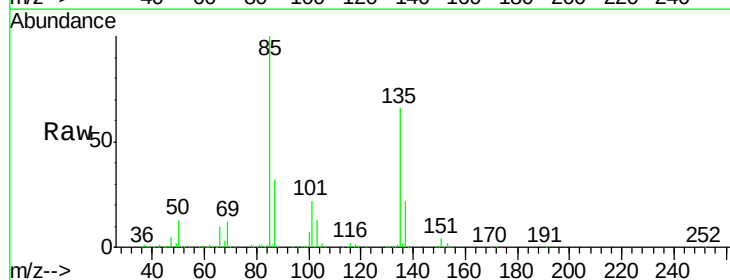
Acq: 29 Jun 2018 18:04

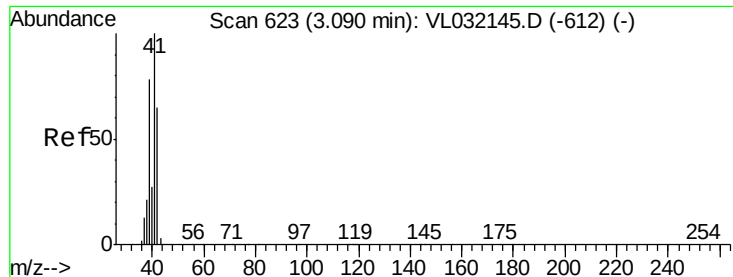
Tgt Ion: 85 Resp: 1620499

Ion Ratio Lower Upper

85 100

135 67.3 54.6 82.0





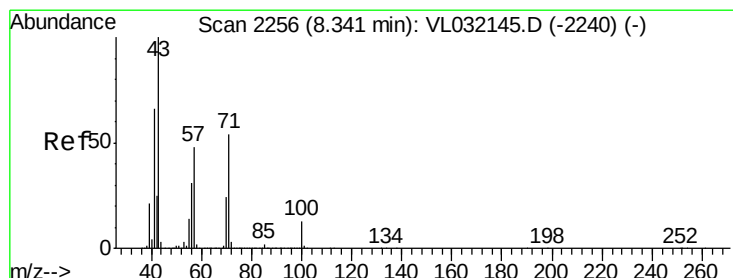
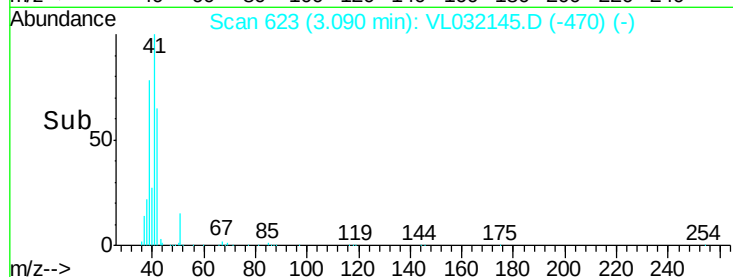
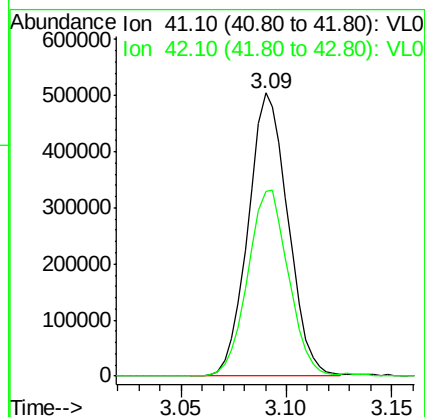
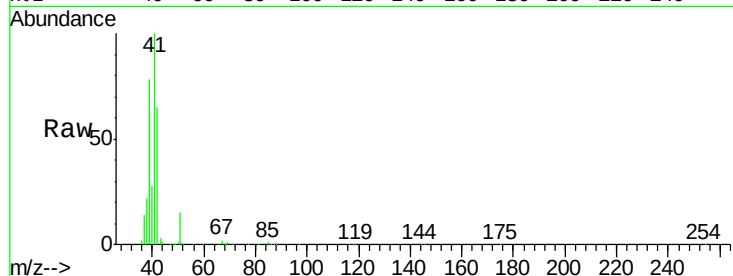
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 Propene
 Concen: 8.45 ppbv
 RT: 3.09 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: VL032145.D
 Acq: 29 Jun 2018 18:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 41 Resp: 663575
 Ion Ratio Lower Upper
 41 100
 42 67.9 56.2 84.4

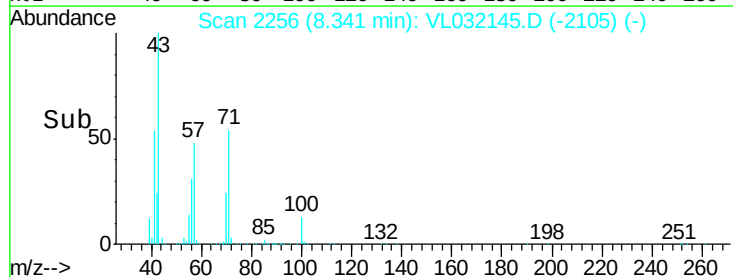
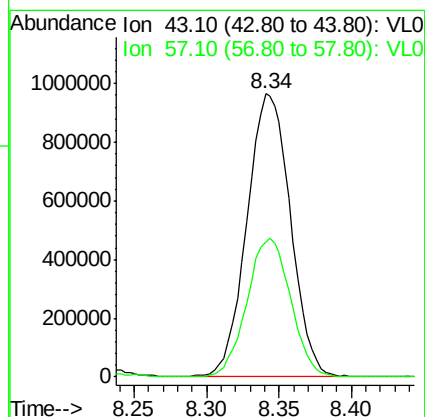
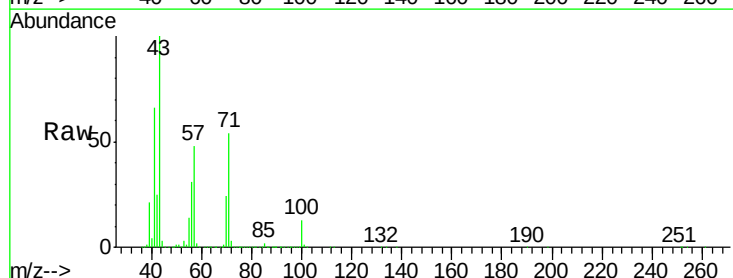
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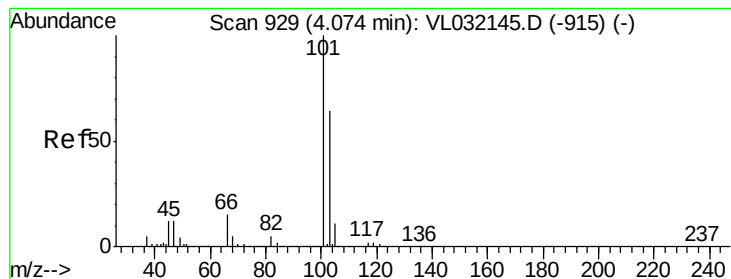
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#10
 Heptane
 Concen: 9.01 ppbv
 RT: 8.34 min Scan# 2256
 Delta R.T. -0.02 min
 Lab File: VL032145.D
 Acq: 29 Jun 2018 18:04

Tgt Ion: 43 Resp: 2003927
 Ion Ratio Lower Upper
 43 100
 57 49.2 39.8 59.8





#11

Trichlorofluoromethane

Concen: 9.67 ppbv

RT: 4.07 min Scan# 929

Delta R.T. -0.01 min

Lab File: VL032145.D

Acq: 29 Jun 2018 18:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:101 Resp: 1652345

Ion Ratio Lower Upper

101 100

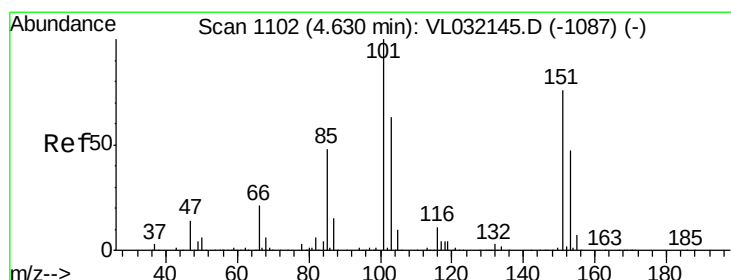
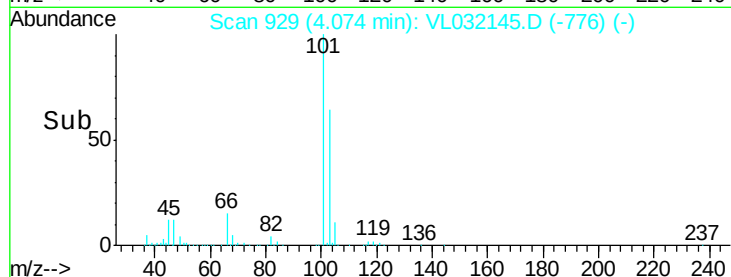
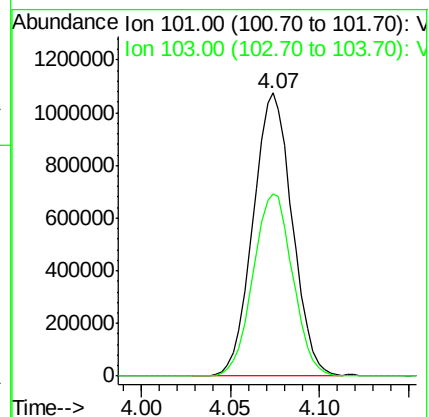
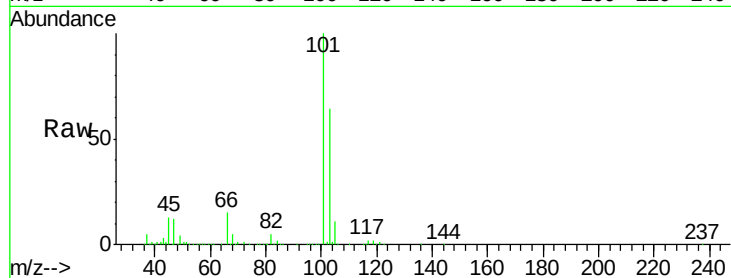
103 64.4 51.4 77.0

Manual Integrations

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.12 ppbv

RT: 4.63 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VL032145.D

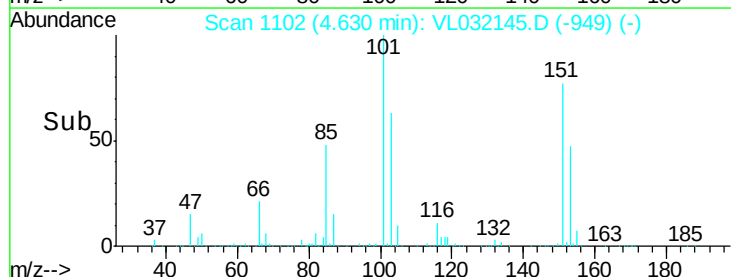
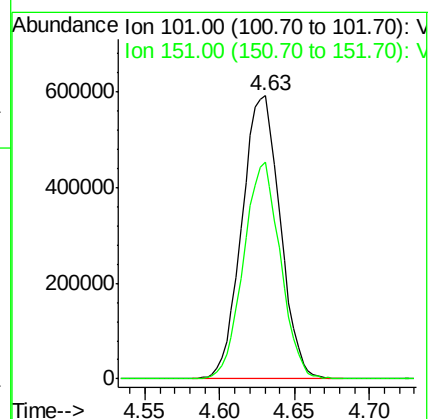
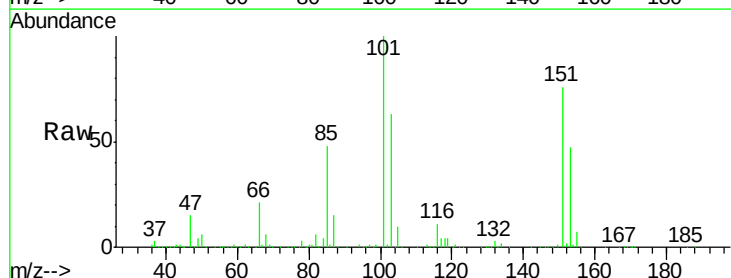
Acq: 29 Jun 2018 18:04

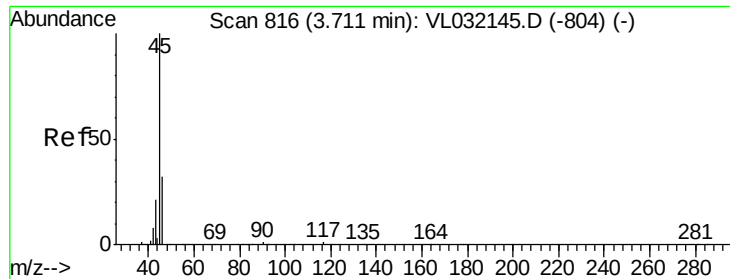
Tgt Ion:101 Resp: 1055505

Ion Ratio Lower Upper

101 100

151 73.9 58.8 88.2





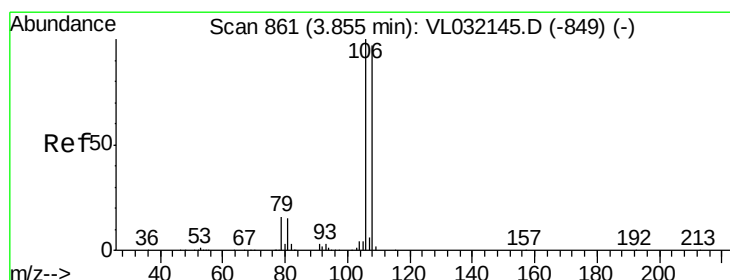
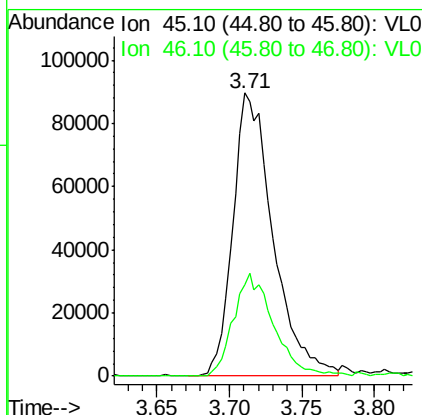
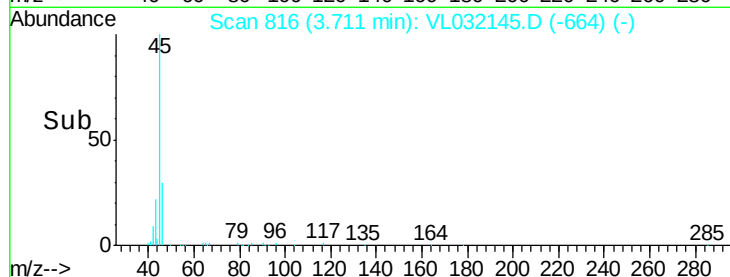
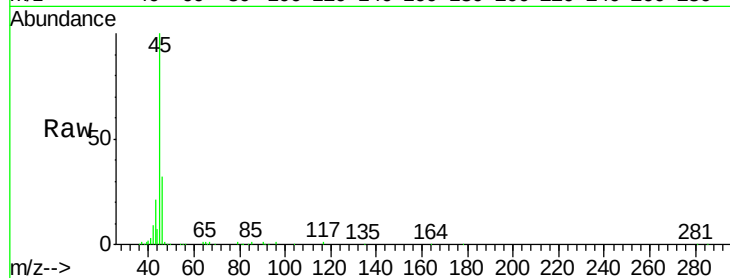
#13
Ethanol
Concen: 7.25 ppbv
RT: 3.71 min Scan# 816
Delta R.T. -0.01 min
Lab File: VL032145.D
Acq: 29 Jun 2018 18:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.4	14.6	58.4

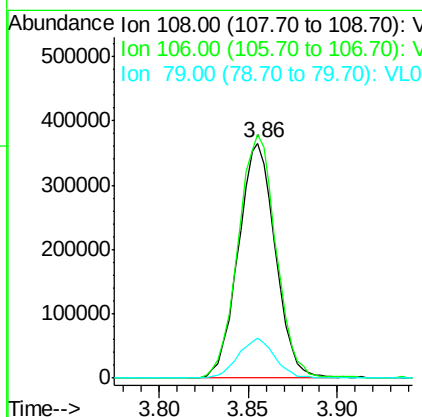
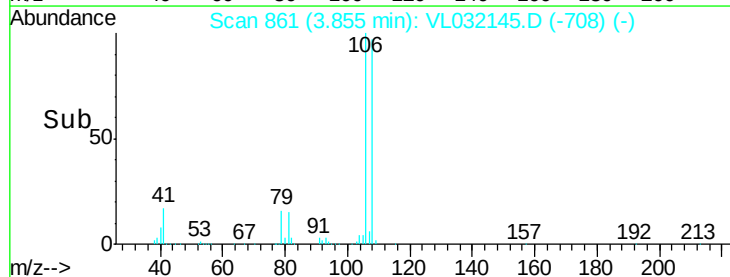
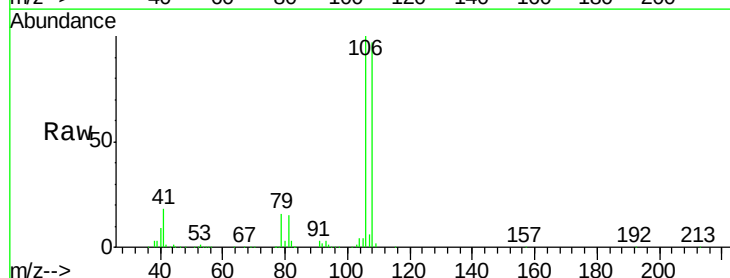
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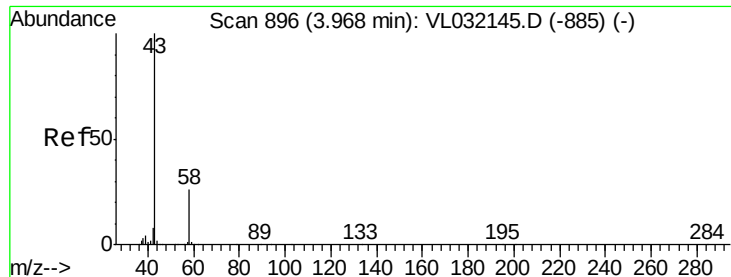
MMDadoda
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#14
Bromoethene
Concen: 9.33 ppbv
RT: 3.86 min Scan# 861
Delta R.T. -0.01 min
Lab File: VL032145.D
Acq: 29 Jun 2018 18:04

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.5	86.3	129.5
79	17.0	12.7	19.1





#15

Acetone

Concen: 7.89 ppbv

RT: 3.97 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL032145.D

Acq: 29 Jun 2018 18:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 1297948

Ion Ratio Lower Upper

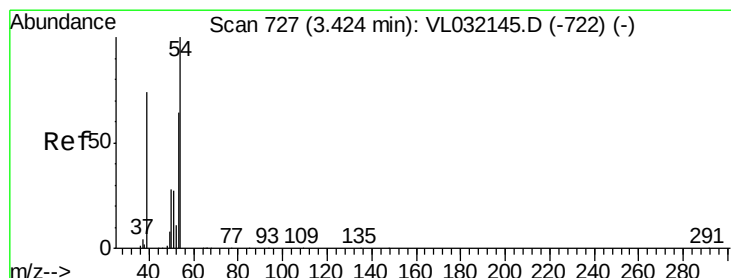
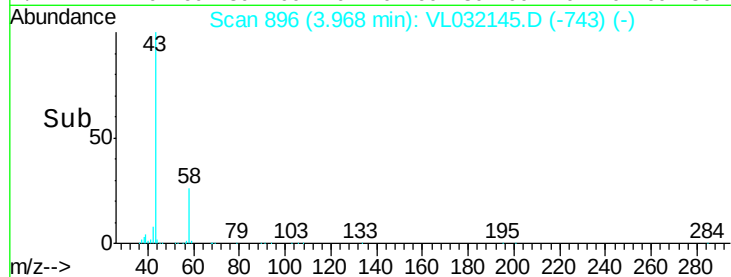
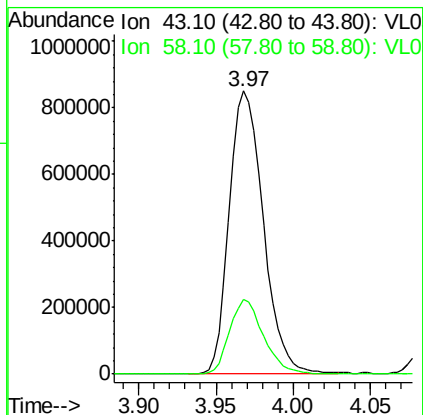
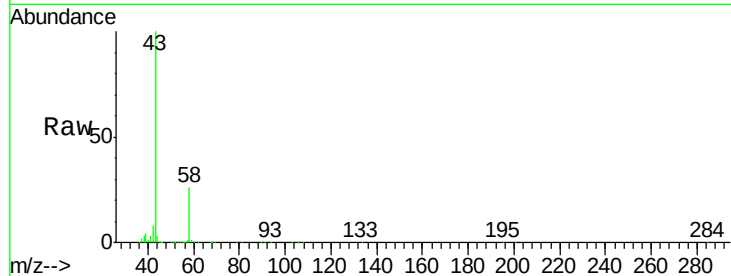
43 100

58 26.4 21.4 32.0

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#16

1,3-Butadiene

Concen: 8.77 ppbv

RT: 3.42 min Scan# 727

Delta R.T. -0.01 min

Lab File: VL032145.D

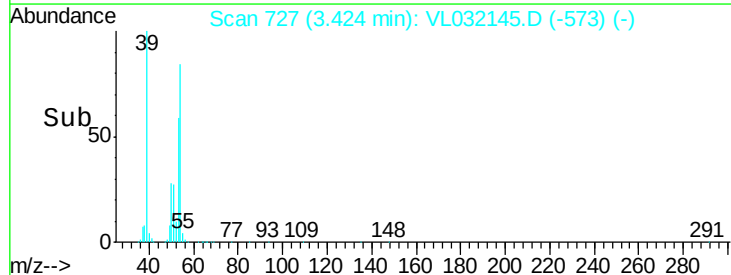
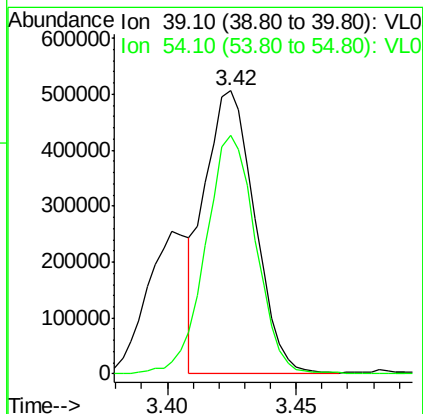
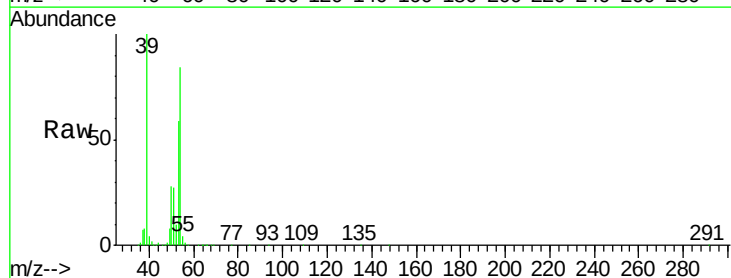
Acq: 29 Jun 2018 18:04

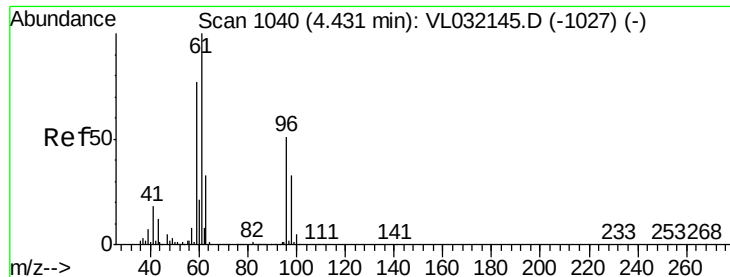
Tgt Ion: 39 Resp: 677282

Ion Ratio Lower Upper

39 100

54 85.6 75.8 113.6





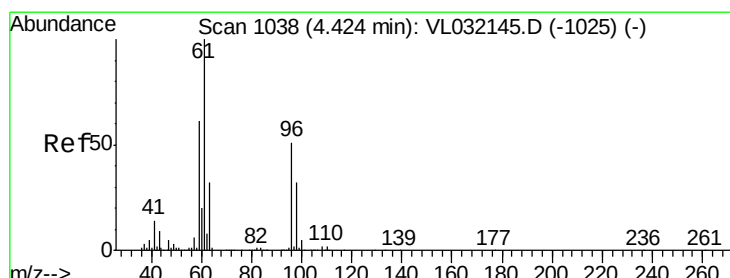
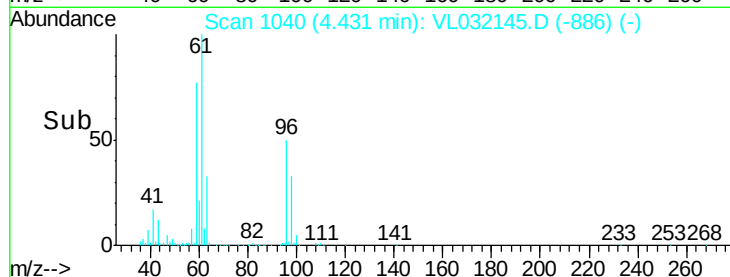
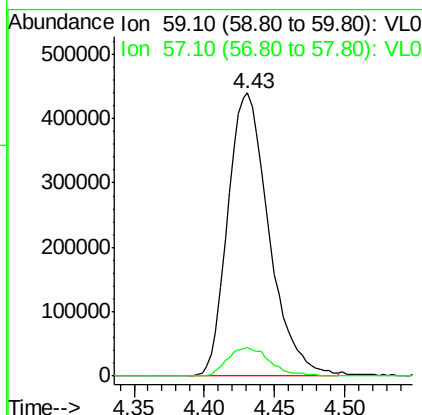
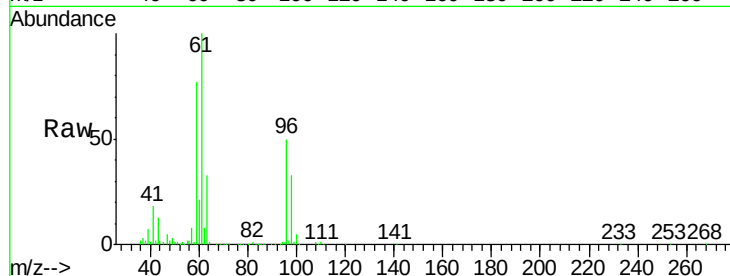
#17
 tert-Butyl alcohol
 Concen: 9.11 ppbv
 RT: 4.43 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: VL032145.D
 Acq: 29 Jun 2018 18:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	59	Resp	900056
Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.2	12.2

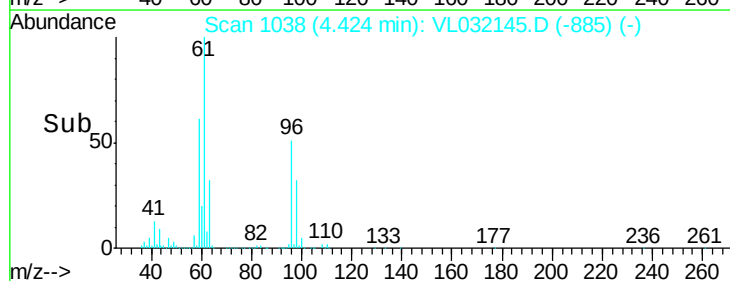
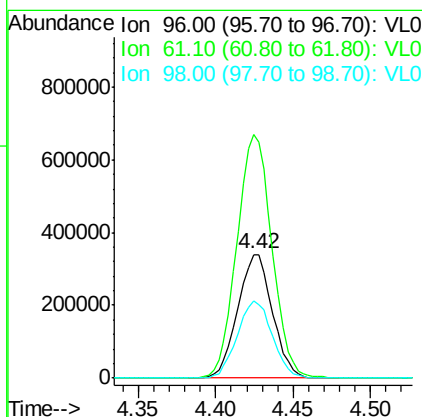
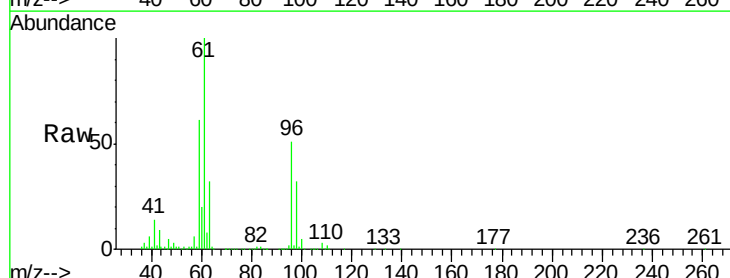
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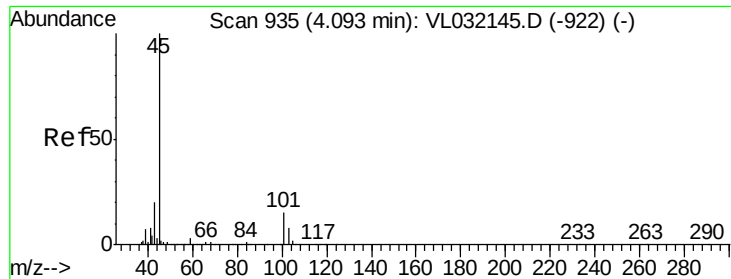
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#18
 1,1-Dichloroethene
 Concen: 9.33 ppbv
 RT: 4.42 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: VL032145.D
 Acq: 29 Jun 2018 18:04

Tgt Ion	96	Resp	530295
Ion	Ratio	Lower	Upper
96	100		
61	197.2	154.1	231.1
98	62.6	50.3	75.5





#19

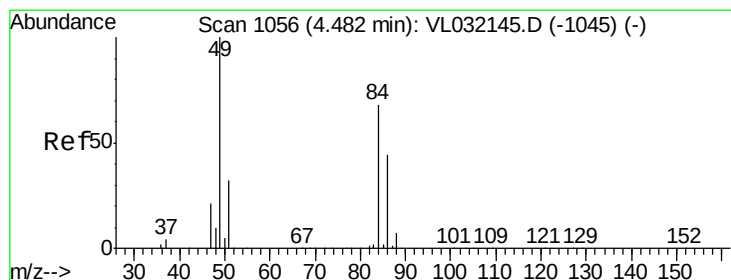
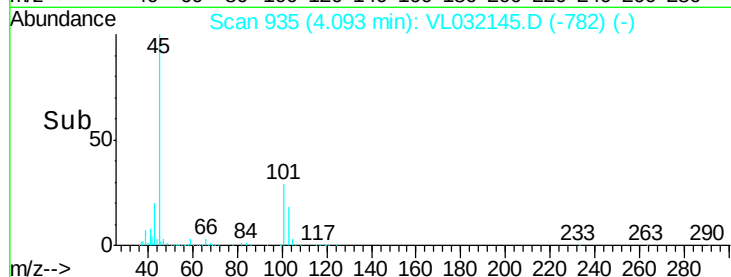
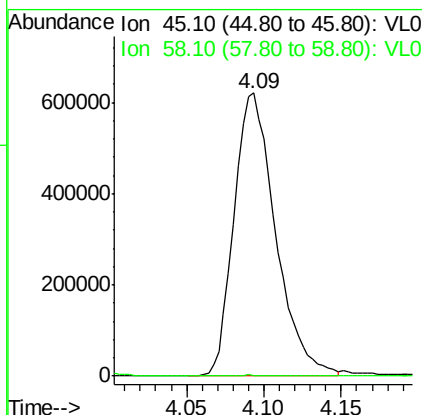
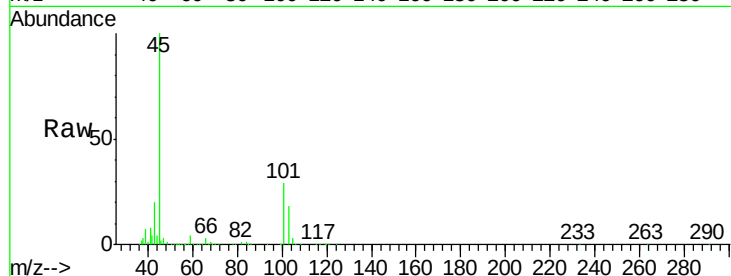
Isopropyl Alcohol
 Concen: 8.96 ppbv
 RT: 4.09 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VL032145.D
 Acq: 29 Jun 2018 18:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 45 Resp: 1155747
 Ion Ratio Lower Upper
 45 100
 58 29.7 29.4 44.0

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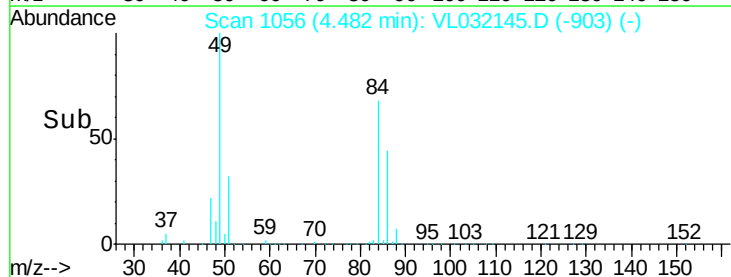
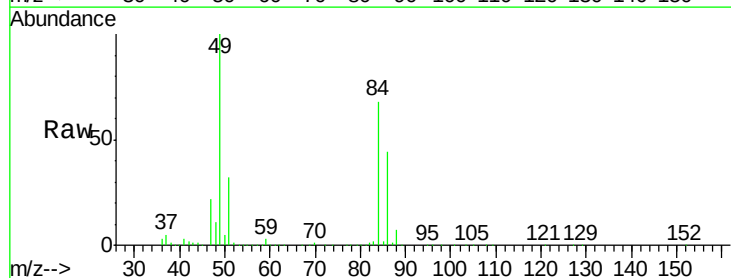
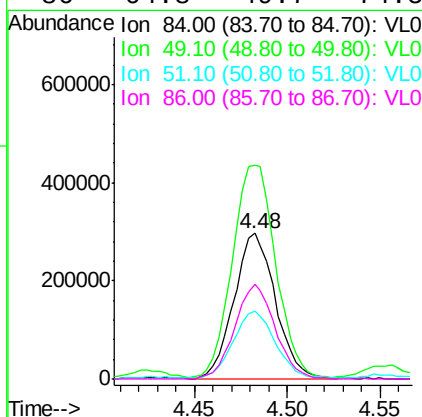
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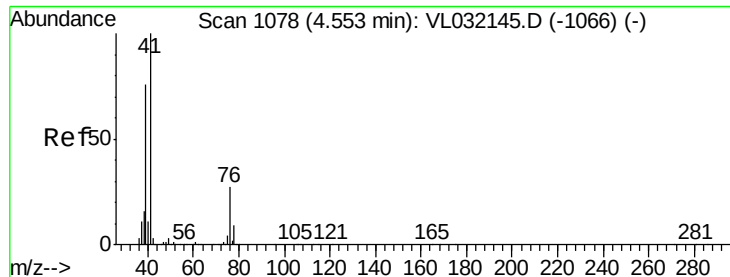


#20

Methylene Chloride
 Concen: 8.21 ppbv
 RT: 4.48 min Scan# 1056
 Delta R.T. -0.01 min
 Lab File: VL032145.D
 Acq: 29 Jun 2018 18:04

Tgt Ion: 84 Resp: 455999
 Ion Ratio Lower Upper
 84 100
 49 146.6 119.6 179.4
 51 46.4 36.3 54.5
 86 64.8 49.7 74.5





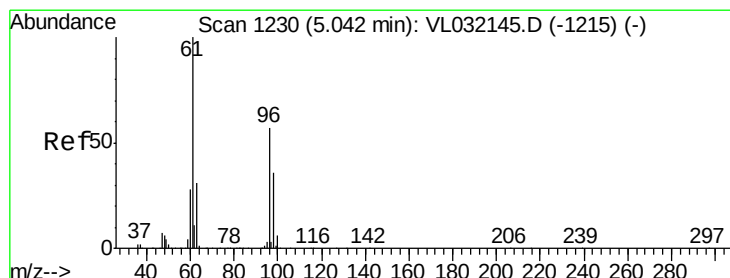
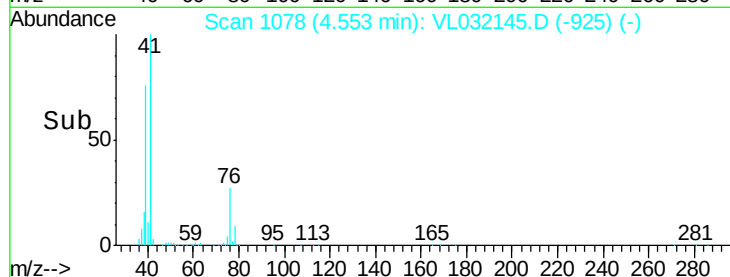
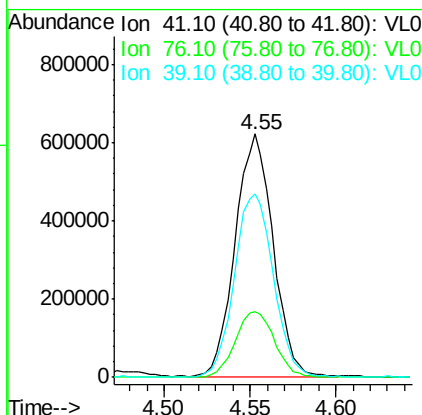
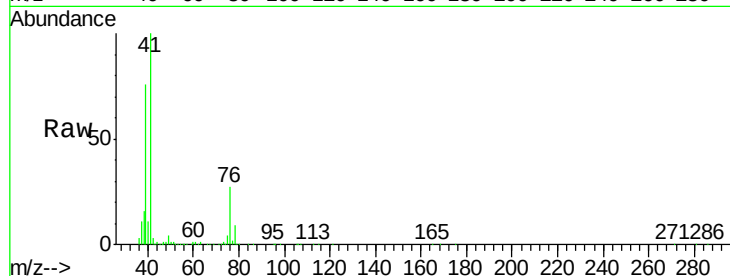
#21
Allvl Chloride
Concen: 9.32 ppbv
RT: 4.55 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VL032145.D
Acq: 29 Jun 2018 18:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.2	22.5	33.7
39	78.1	60.5	90.7

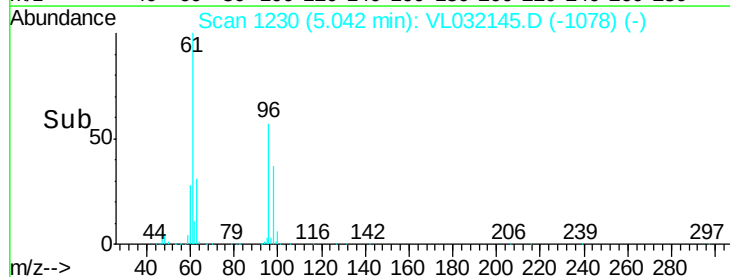
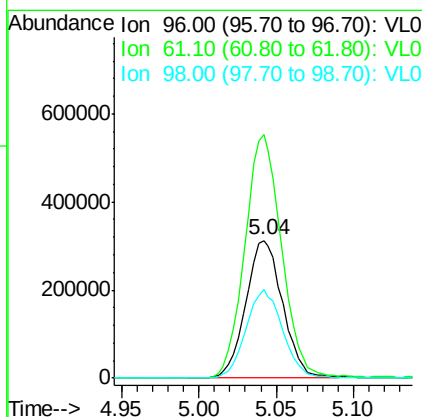
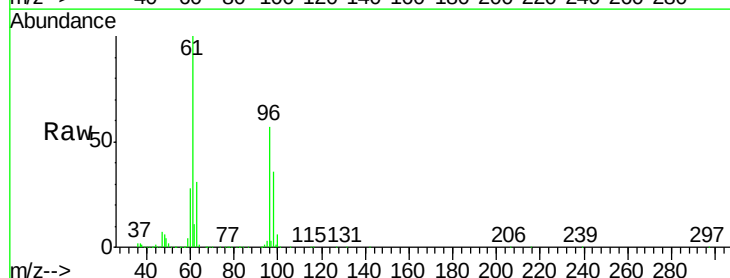
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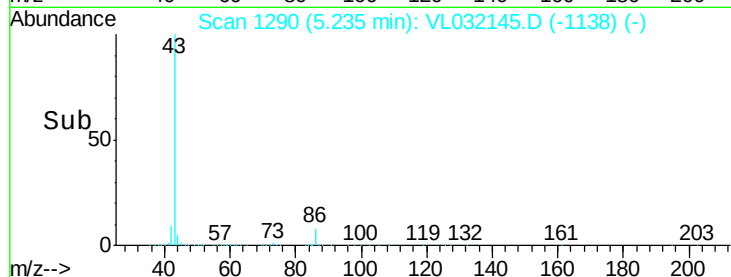
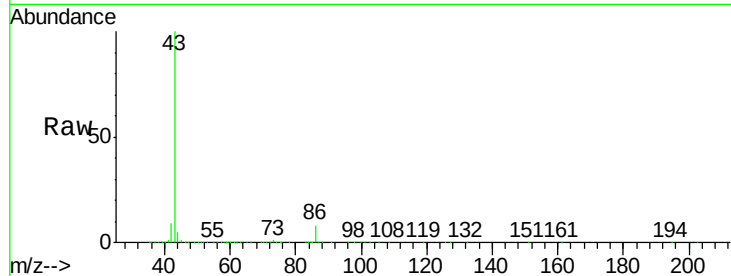
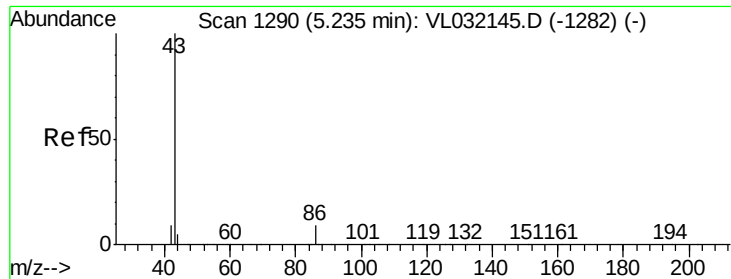
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#22
trans-1,2-Dichloroethene
Concen: 8.96 ppbv
RT: 5.04 min Scan# 1230
Delta R.T. -0.01 min
Lab File: VL032145.D
Acq: 29 Jun 2018 18:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.0	135.2	202.8
98	64.2	49.7	74.5





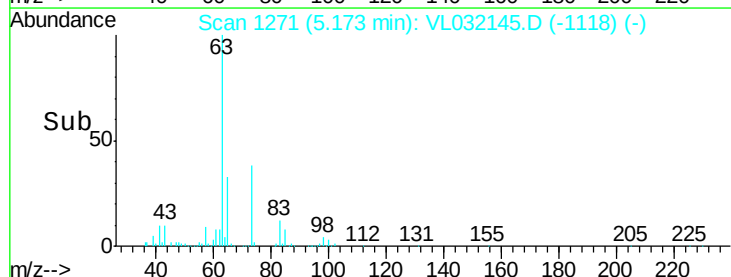
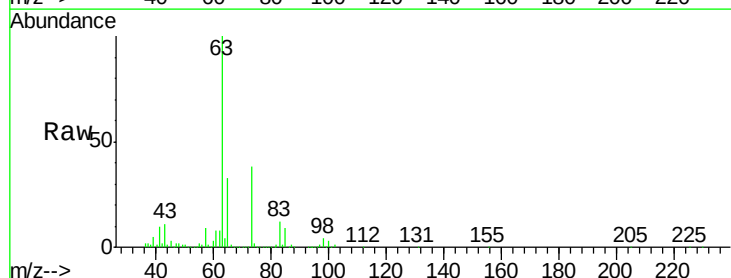
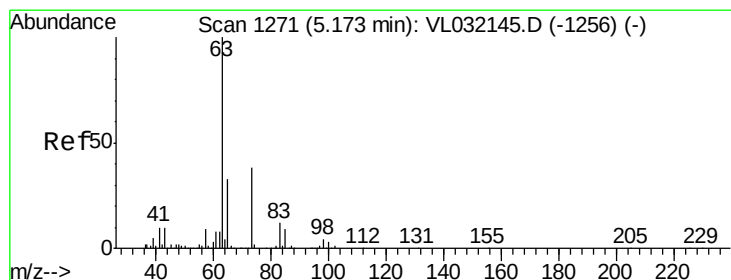
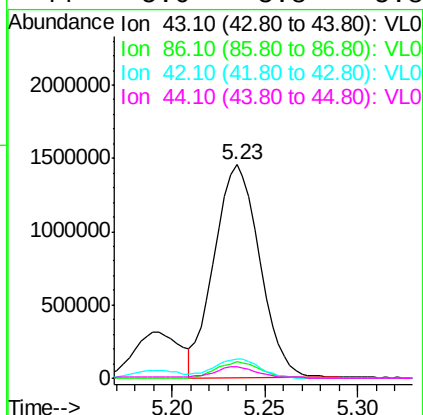
#23
 Vinyl Acetate
 Concen: 9.87 ppbv
 RT: 5.23 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VL032145.D
 Acq: 29 Jun 2018 18:04

Tot Ion	43	Resp	2469943
Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.2	9.4
42	9.2	6.9	10.3
44	5.0	3.8	5.8

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

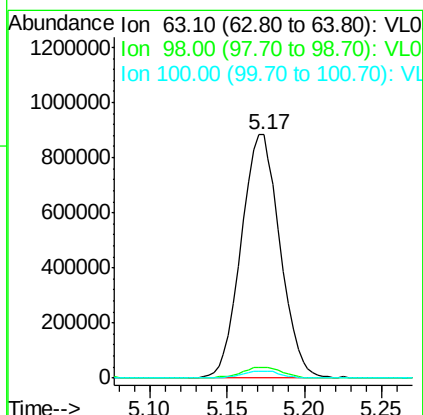
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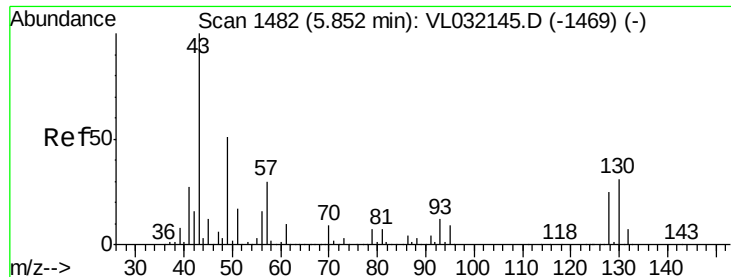
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#24
 1,1-Dichloroethane
 Concen: 8.18 ppbv
 RT: 5.17 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VL032145.D
 Acq: 29 Jun 2018 18:04

Tgt Ion	63	Resp	1540979
Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.4	7.2
100	2.8	1.7	5.0





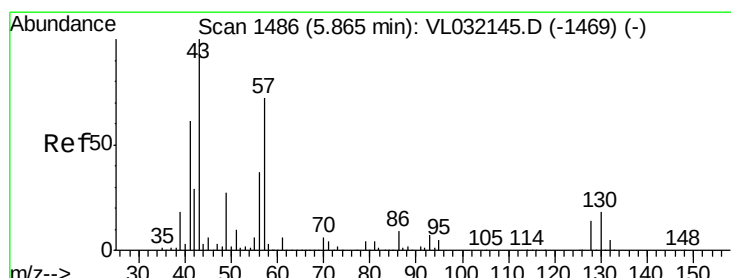
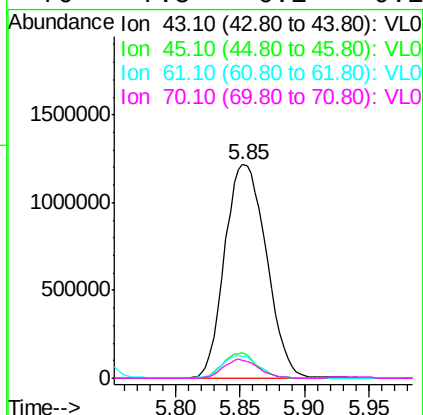
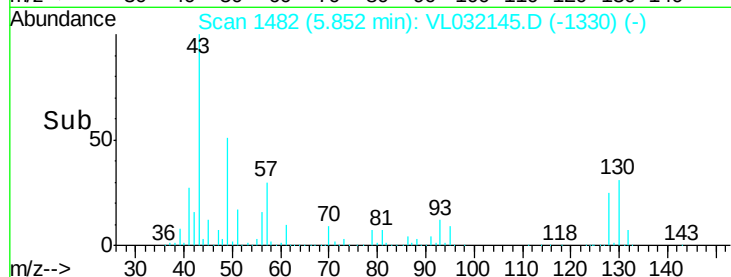
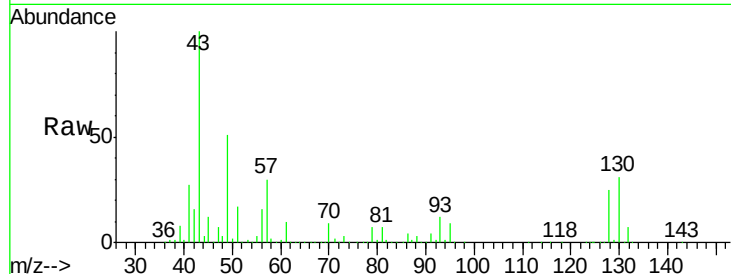
#25
Ethyl Acetate
Concen: 7.55 ppbv
RT: 5.85 min Scan# 1482
Delta R.T. -0.01 min
Lab File: VL032145.D
Acq: 29 Jun 2018 18:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	43	Resp	2723638
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	9.3	7.4	11.0
70	7.5	6.1	9.1

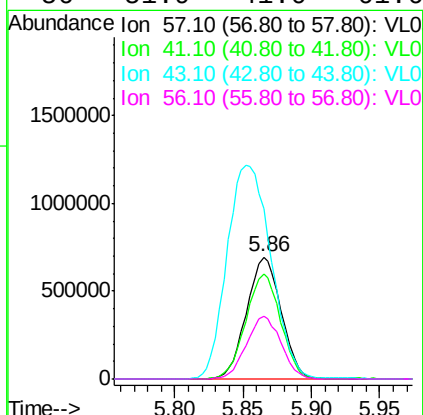
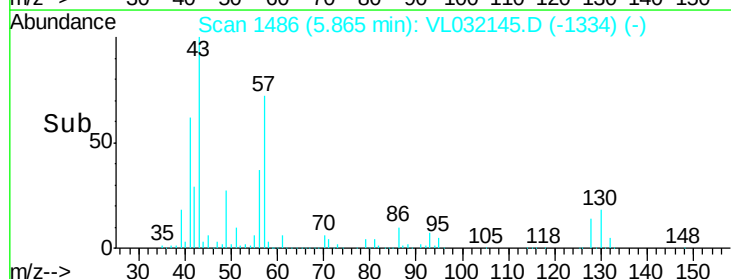
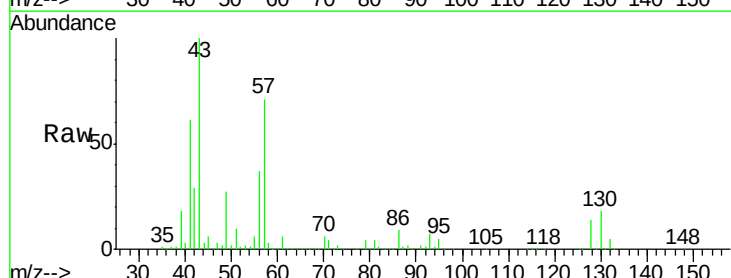
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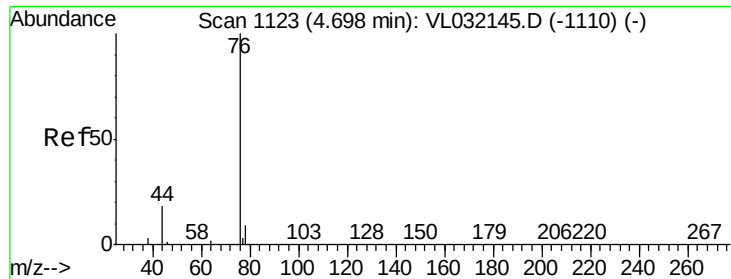
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#26
Hexane
Concen: 7.65 ppbv
RT: 5.86 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VL032145.D
Acq: 29 Jun 2018 18:04

Tgt Ion	57	Resp	1222252
Ion	Ratio	Lower	Upper
57	100		
41	87.5	68.6	103.0
43	223.8	168.6	252.8
56	51.9	41.0	61.6





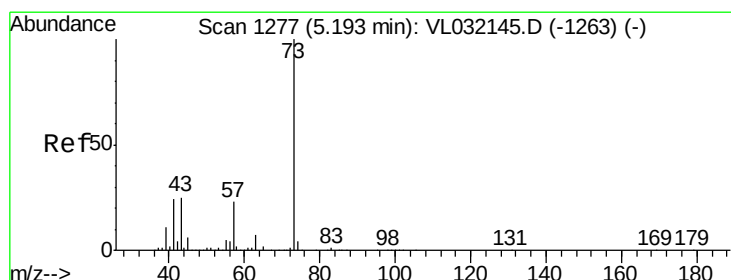
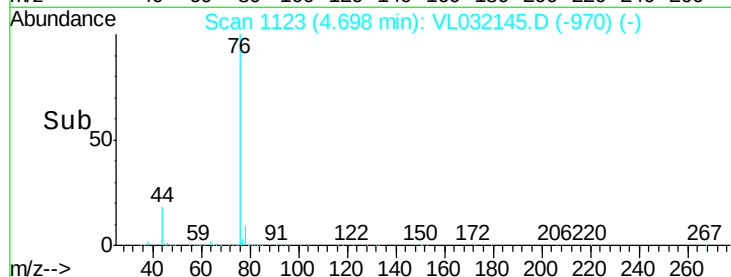
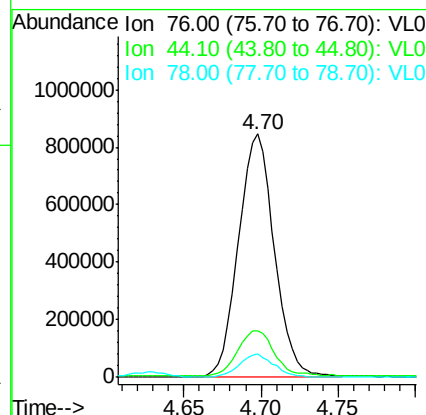
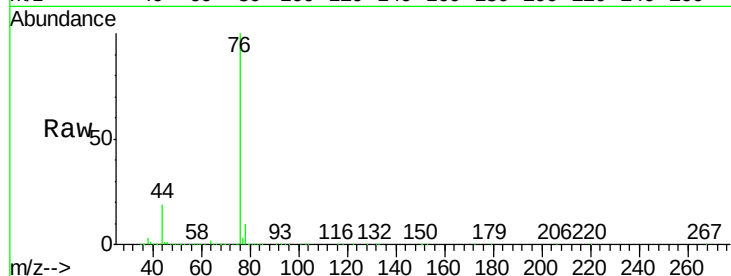
#27
Carbon Disulfide
Concen: 8.52 ppbv
RT: 4.70 min Scan# 1123
Delta R.T. -0.01 min
Lab File: VL032145.D
Acq: 29 Jun 2018 18:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
76	100		
44	19.2	15.1	22.7
78	9.2	7.2	10.8

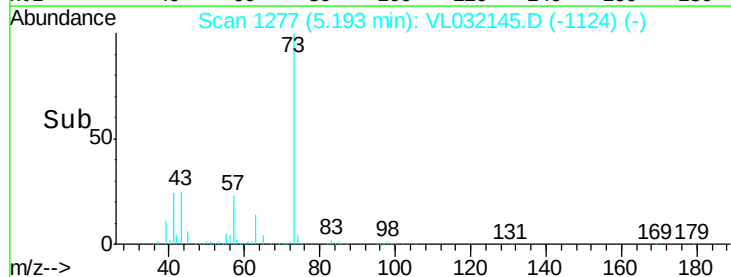
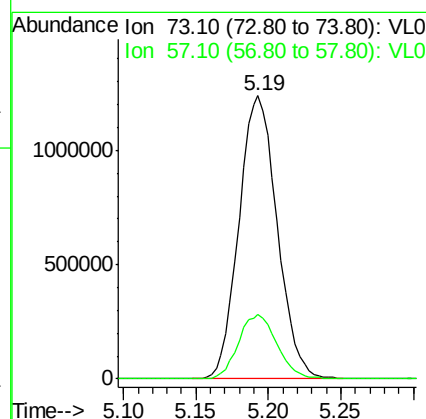
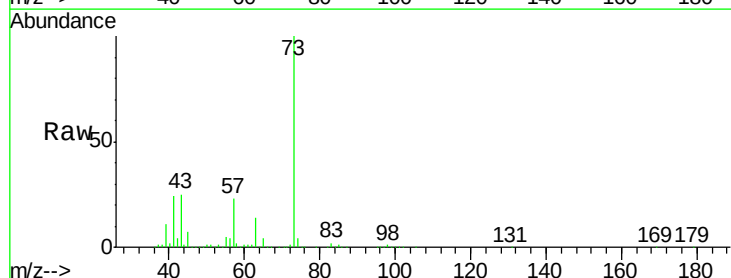
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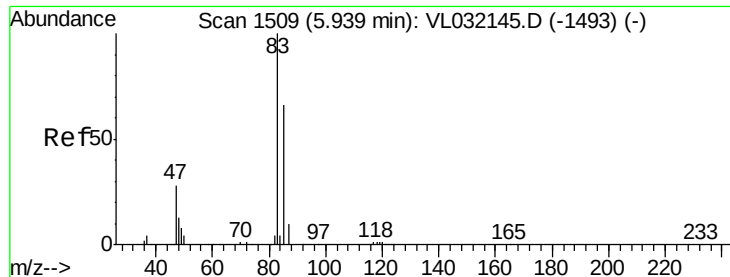
MMDadoda
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#28
Methyl tert-Butyl Ether
Concen: 11.24 ppbv
RT: 5.19 min Scan# 1277
Delta R.T. -0.01 min
Lab File: VL032145.D
Acq: 29 Jun 2018 18:04

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.6	27.8





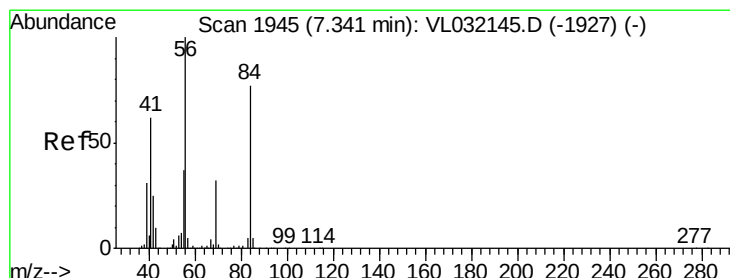
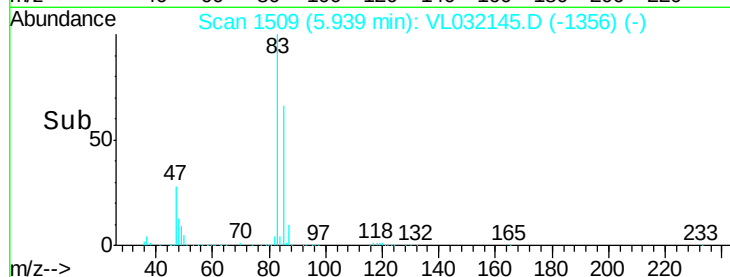
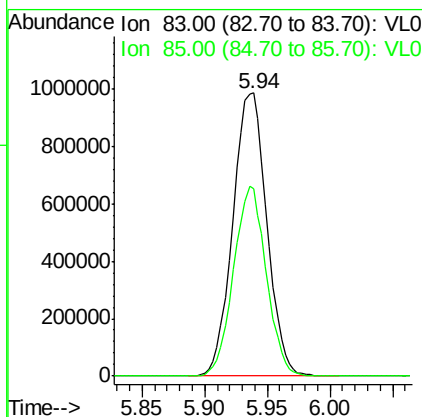
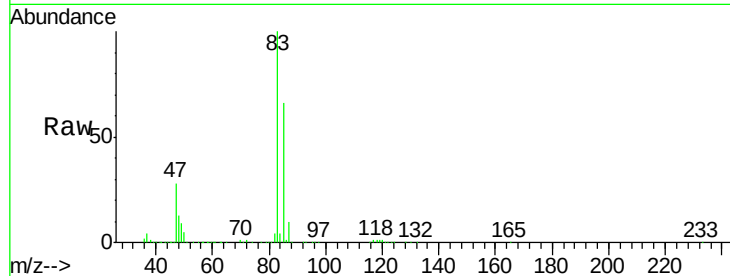
#29
Chloroform
Concen: 8.78 ppbv
RT: 5.94 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VL032145.D
Acq: 29 Jun 2018 18:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 1851946
Ion Ratio Lower Upper
83 100
85 66.0 51.6 77.4

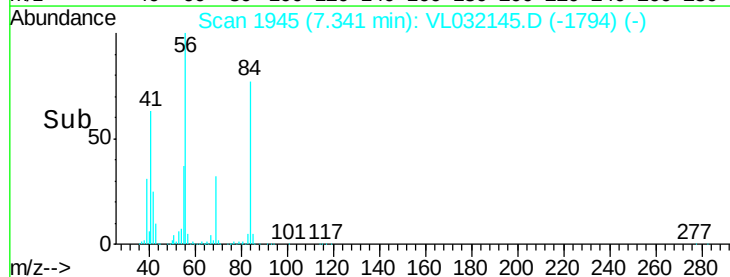
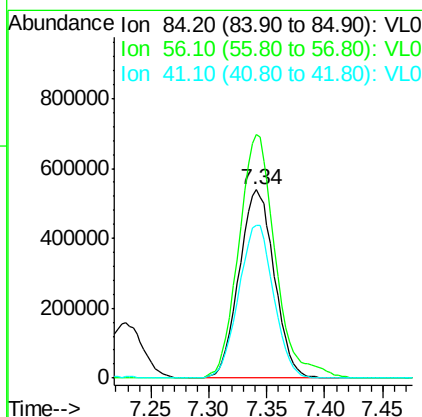
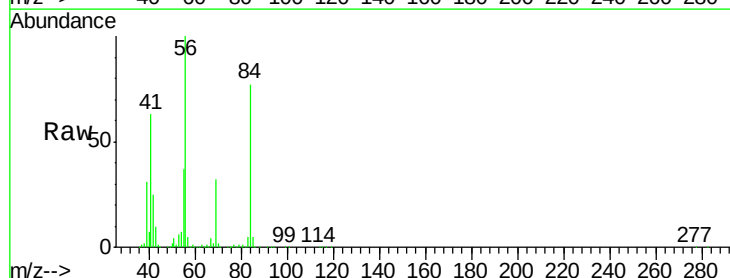
Manual Integrations
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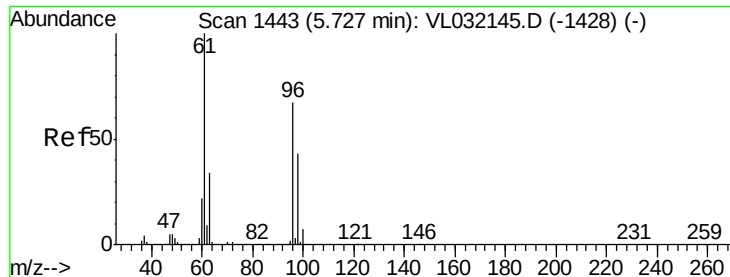
MMDadoda
7/2/2018 4:24:45 PM



#30
Cyclohexane
Concen: 8.64 ppbv
RT: 7.34 min Scan# 1945
Delta R.T. -0.02 min
Lab File: VL032145.D
Acq: 29 Jun 2018 18:04

Tgt Ion: 84 Resp: 1136782
Ion Ratio Lower Upper
84 100
56 134.6 109.1 163.7
41 80.6 64.6 96.8





#31

cis-1,2-Dichloroethene

Concen: 8.99 ppbv

RT: 5.73 min Scan# 1443

Delta R.T. -0.01 min

Lab File: VL032145.D

Acq: 29 Jun 2018 18:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 61 Resp: 1278664

Ion Ratio Lower Upper

61 100

96 67.0 54.2 81.4

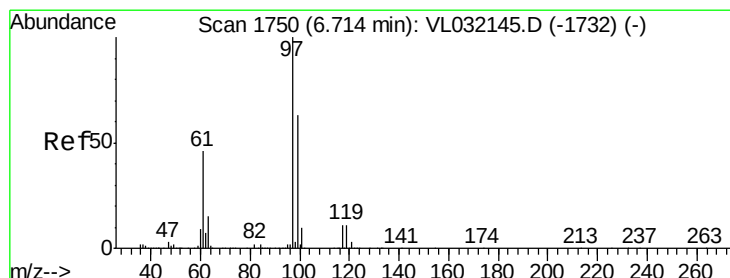
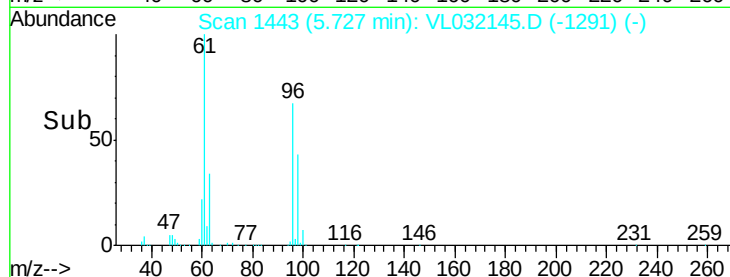
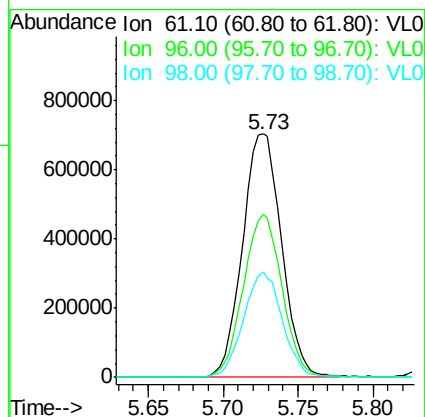
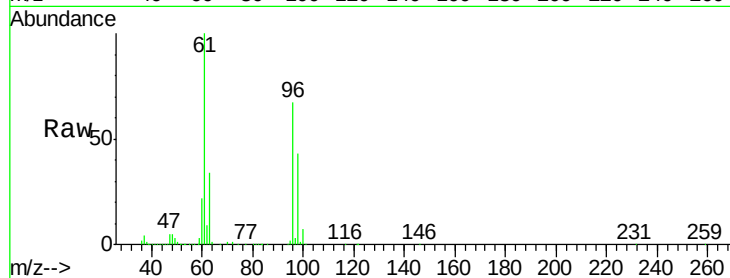
98 43.3 34.6 52.0

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#32

1,1,1-Trichloroethane

Concen: 8.57 ppbv

RT: 6.71 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VL032145.D

Acq: 29 Jun 2018 18:04

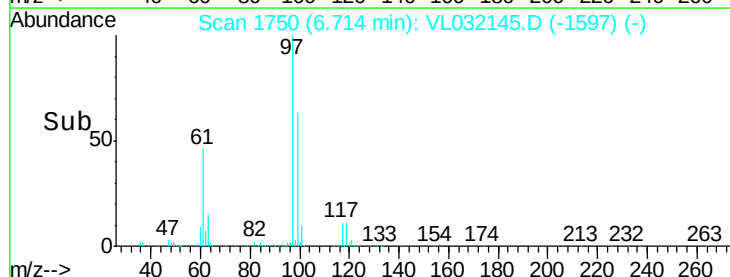
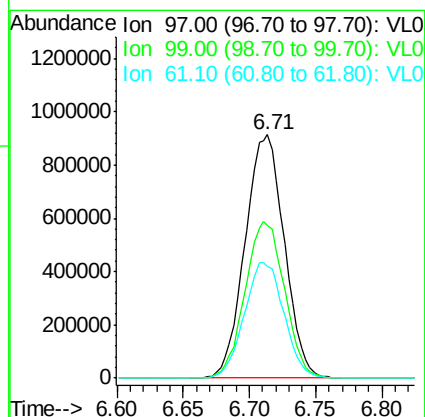
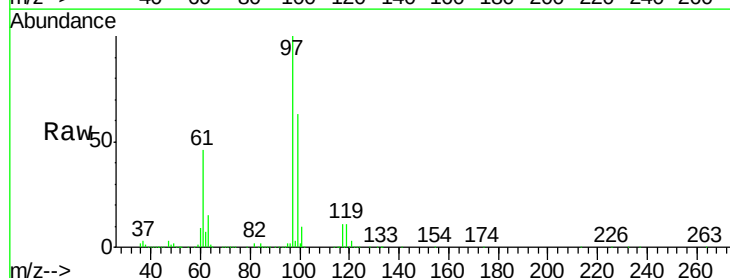
Tgt Ion: 97 Resp: 1884236

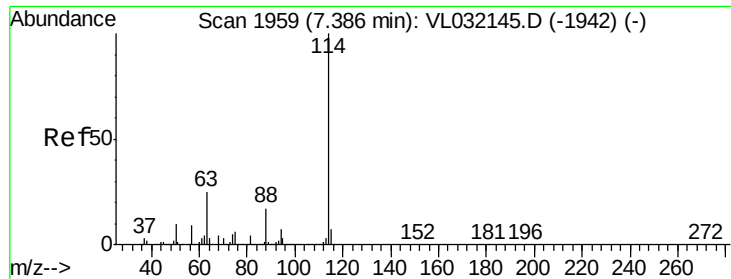
Ion Ratio Lower Upper

97 100

99 64.7 51.3 76.9

61 48.2 38.4 57.6





#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.39 min Scan# 1959
 Delta R.T. -0.01 min
 Lab File: VL032145.D
 Acq: 29 Jun 2018 18:04

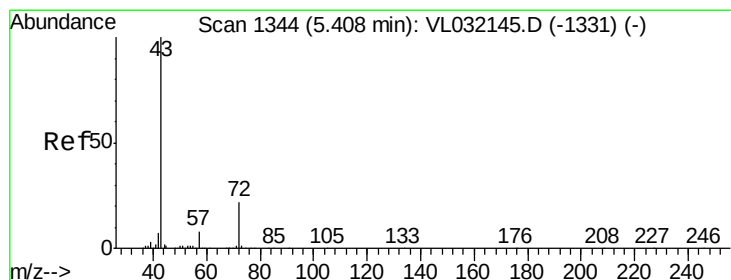
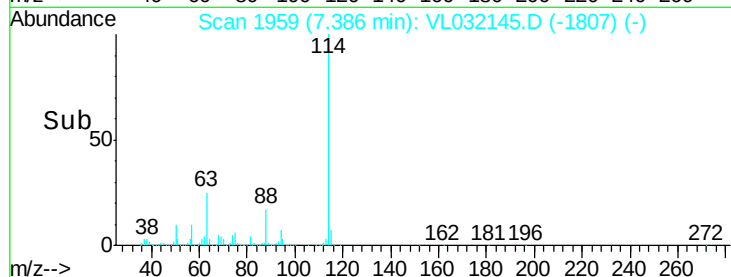
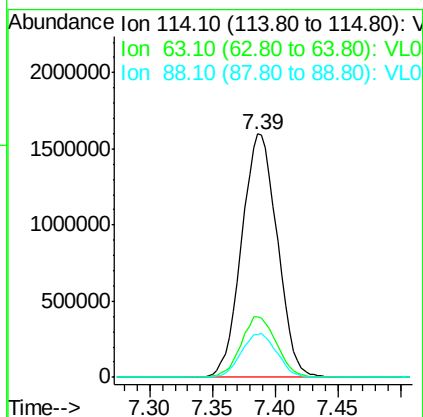
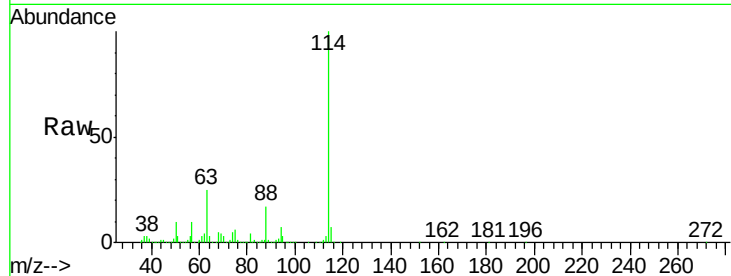
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:114 Resp: 3164677

Ion	Ratio	Lower	Upper
114	100		
63	24.9	19.1	28.7
88	17.9	13.9	20.9

Manual Integrations
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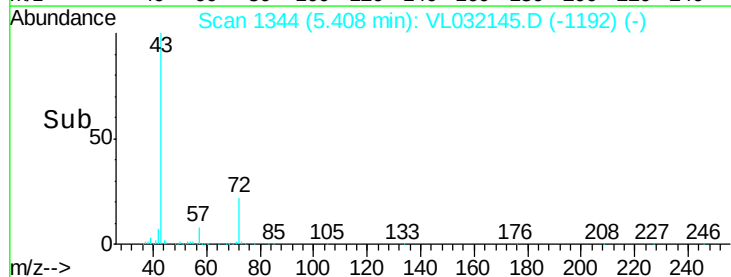
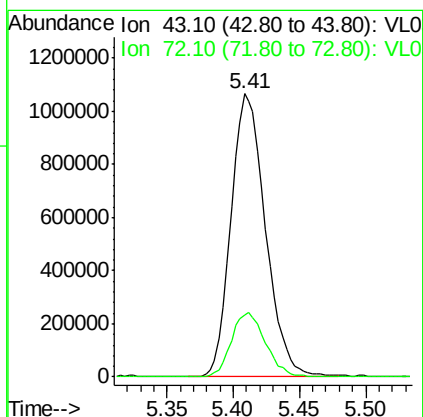
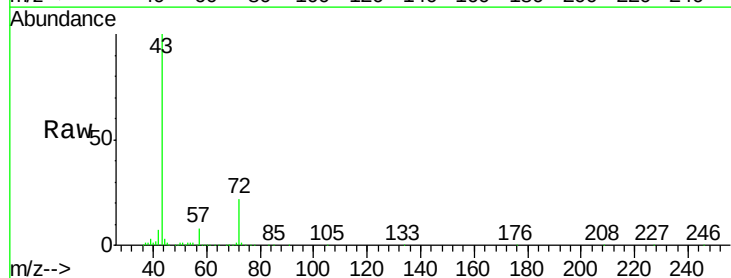
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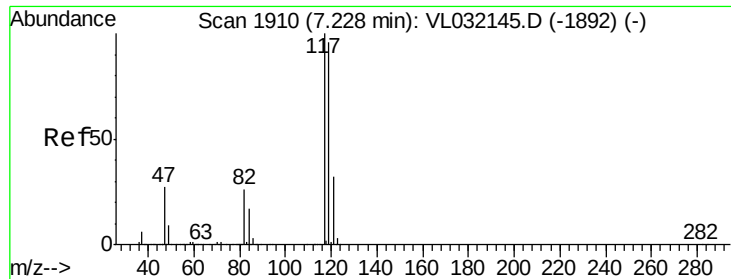


#34
 2-Butanone
 Concen: 7.47 ppbv
 RT: 5.41 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: VL032145.D
 Acq: 29 Jun 2018 18:04

Tgt Ion: 43 Resp: 1918260

Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.4	27.6





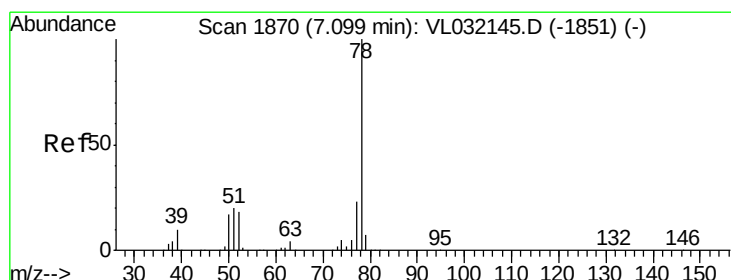
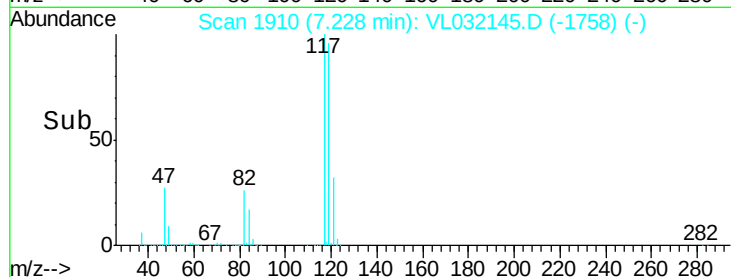
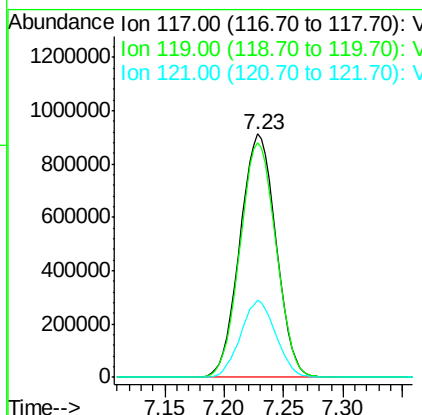
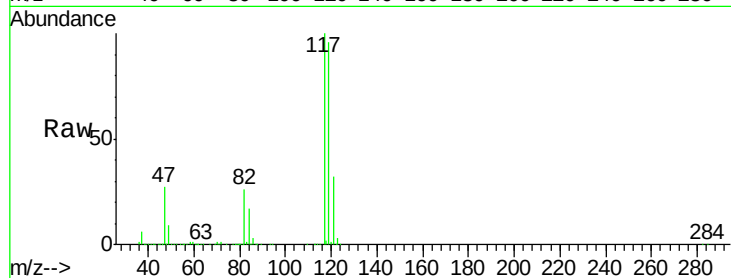
#35
Carbon Tetrachloride
Concen: 8.72 ppbv
RT: 7.23 min Scan# 1910
Delta R.T. -0.01 min
Lab File: VL032145.D
Acq: 29 Jun 2018 18:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:117 Resp: 1914465
Ion Ratio Lower Upper
117 100
119 96.3 74.8 112.2
121 31.8 24.0 36.0

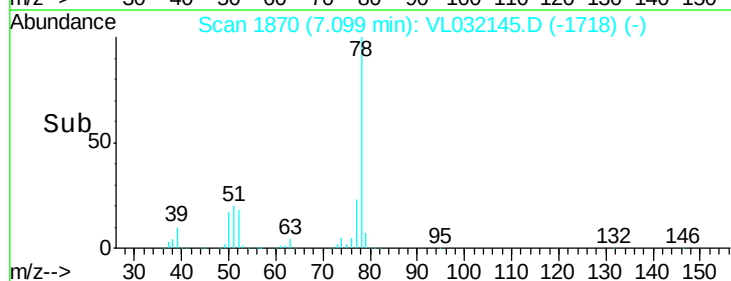
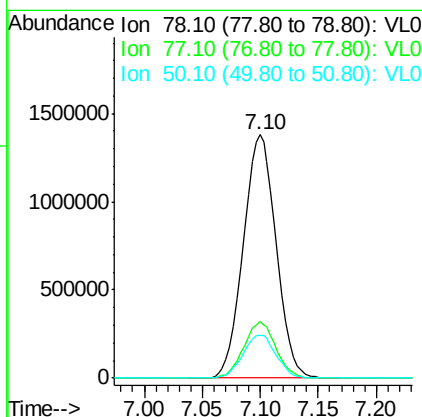
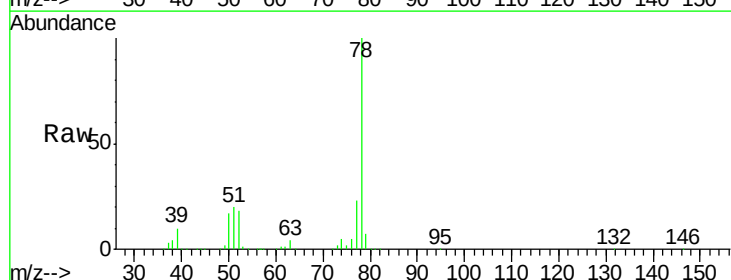
Manual Integrations
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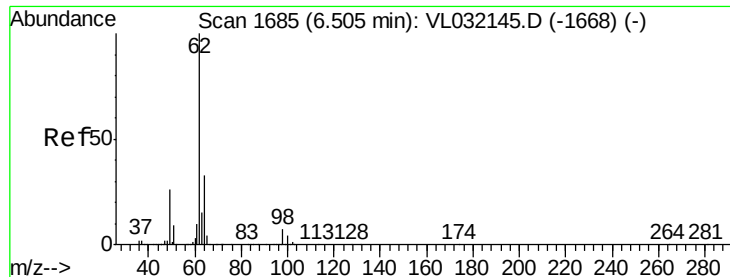
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#36
Benzene
Concen: 7.91 ppbv
RT: 7.10 min Scan# 1870
Delta R.T. -0.01 min
Lab File: VL032145.D
Acq: 29 Jun 2018 18:04

Tgt Ion: 78 Resp: 2714324
Ion Ratio Lower Upper
78 100
77 23.2 17.7 26.5
50 17.4 14.0 21.0





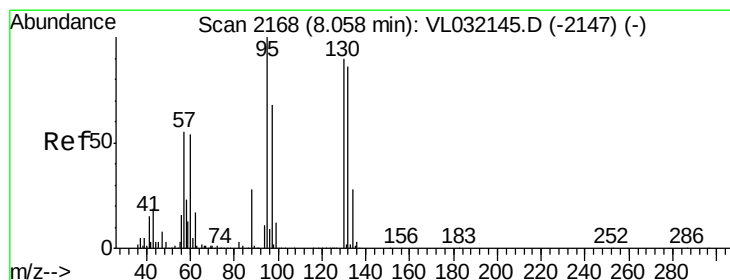
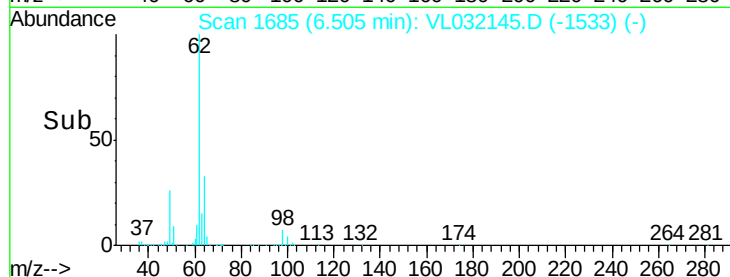
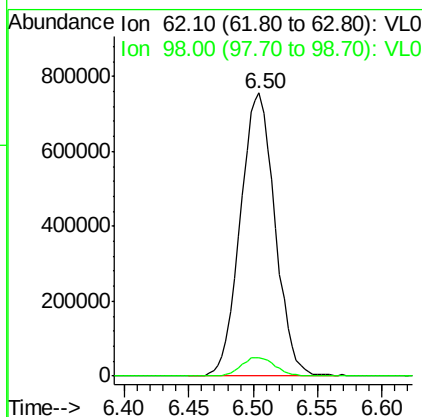
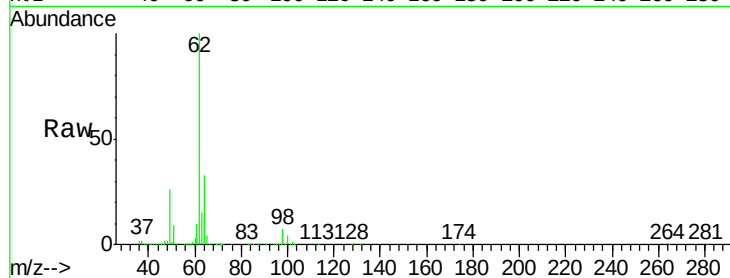
#37
 1,2-Dichloroethane
 Concen: 8.01 ppbv
 RT: 6.50 min Scan# 1685
 Delta R.T. -0.01 min
 Lab File: VL032145.D
 Acq: 29 Jun 2018 18:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 62 Resp: 1414075
 Ion Ratio Lower Upper
 62 100
 98 6.7 5.8 8.6

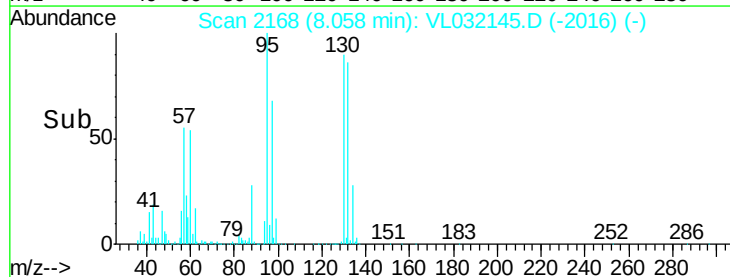
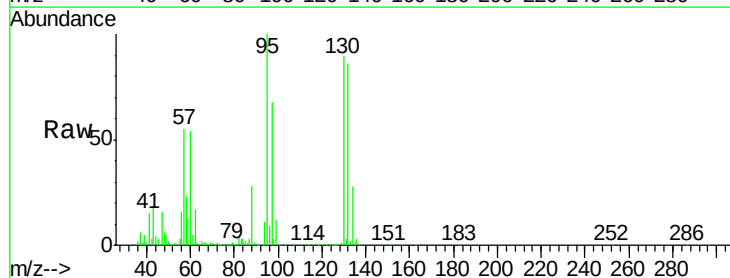
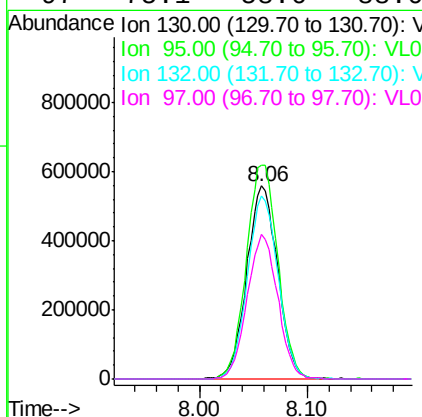
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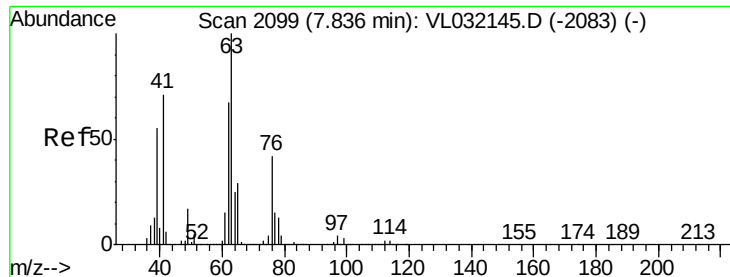
MMDadoda
 7/2/2018 4:24:45 PM



#38
 Trichloroethene
 Concen: 8.42 ppbv
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.01 min
 Lab File: VL032145.D
 Acq: 29 Jun 2018 18:04

Tgt Ion: 130 Resp: 1113672
 Ion Ratio Lower Upper
 130 100
 95 110.8 88.1 132.1
 132 95.0 74.6 112.0
 97 75.1 58.6 88.0





#39
 1,2-Dichloropropane
 Concen: 9.03 ppbv
 RT: 7.84 min Scan# 2099
 Delta R.T. -0.01 min
 Lab File: VL032145.D
 Acq: 29 Jun 2018 18:04

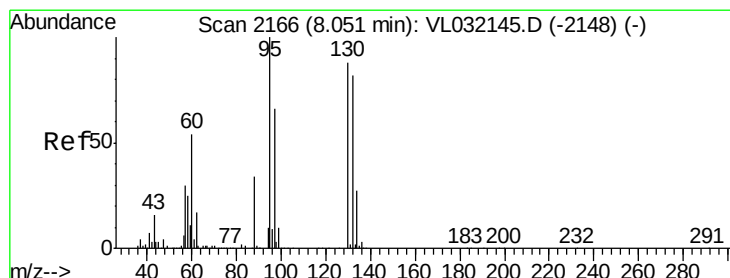
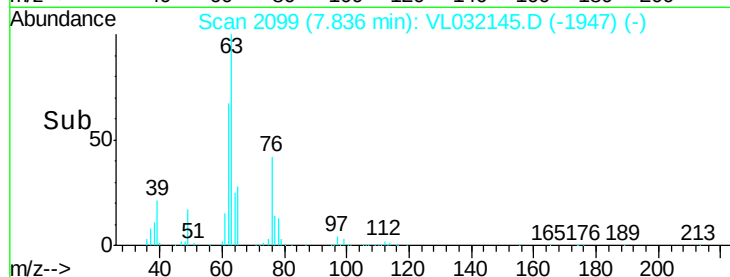
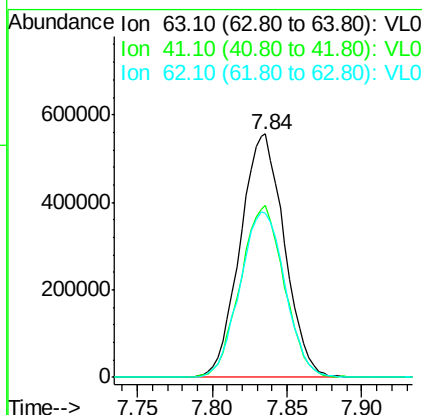
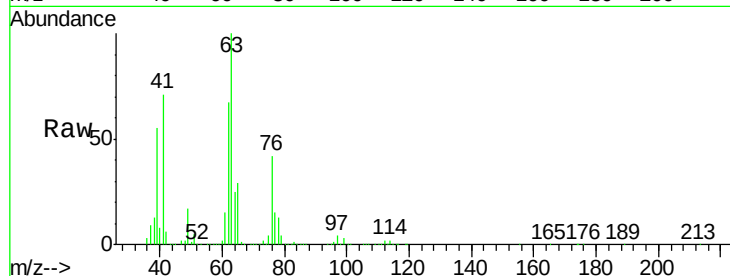
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 63 Resp: 1137603

Ion	Ratio	Lower	Upper
63	100		
41	70.8	53.3	79.9
62	67.2	54.8	82.2

Manual Integrations
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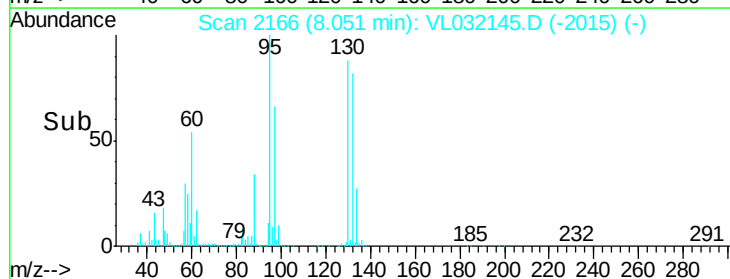
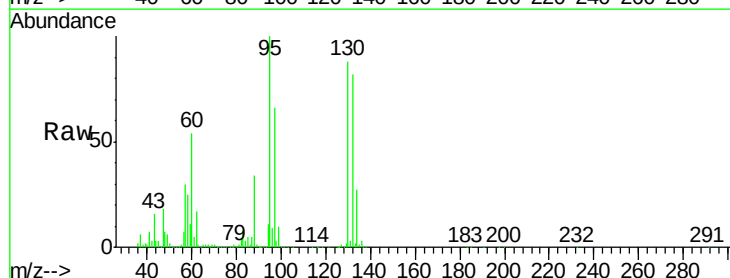
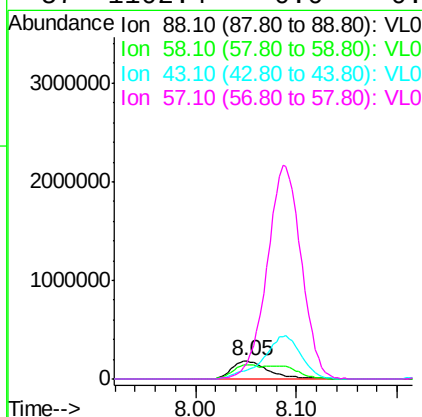
MMDadoda
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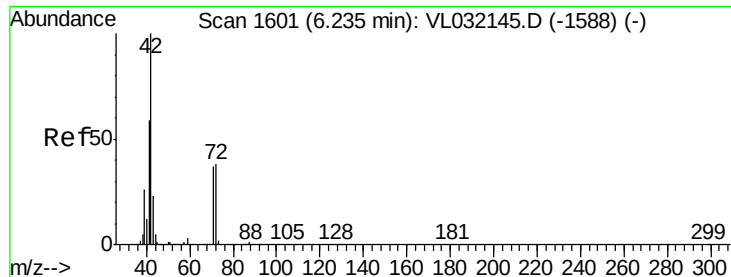


#40
 1,4-Dioxane
 Concen: 7.94 ppbv
 RT: 8.05 min Scan# 2166
 Delta R.T. -0.02 min
 Lab File: VL032145.D
 Acq: 29 Jun 2018 18:04

Tgt Ion: 88 Resp: 466472

Ion	Ratio	Lower	Upper
88	100		
58	124.9	47.4	71.0#
43	246.2	0.0	0.0#
57	1102.4	0.0	0.0#





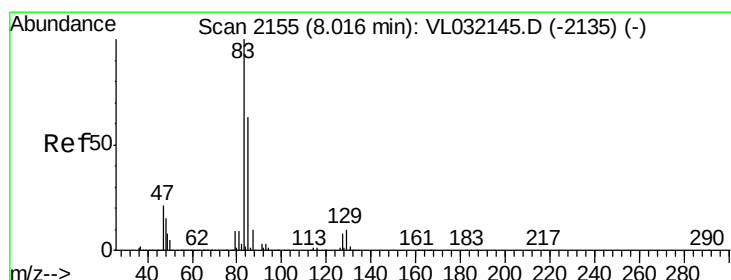
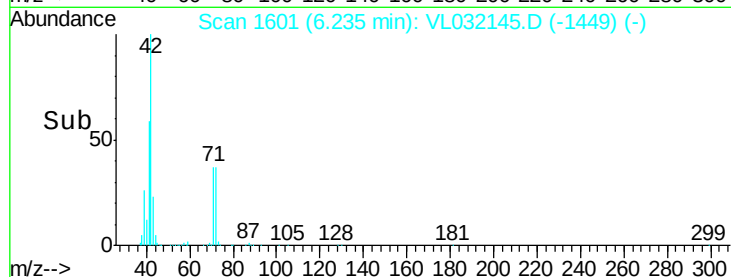
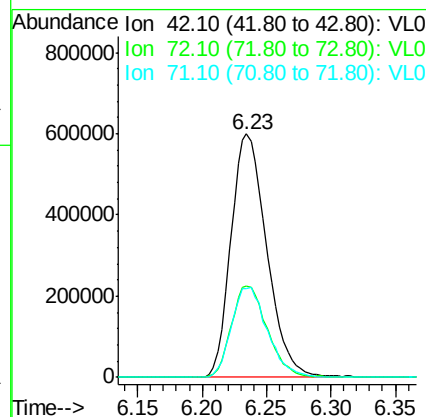
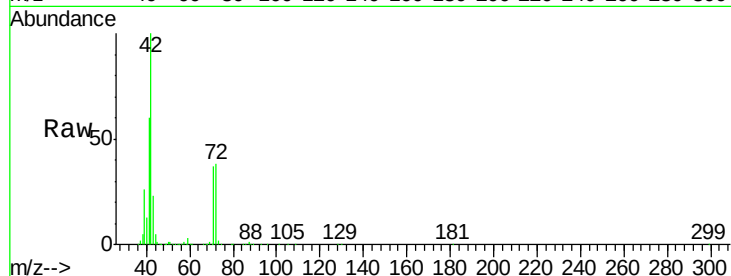
#41
Tetrahydrofuran
Concen: 7.51 ppbv
RT: 6.23 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VL032145.D
Acq: 29 Jun 2018 18:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.0	31.1	46.7
71	37.4	29.5	44.3

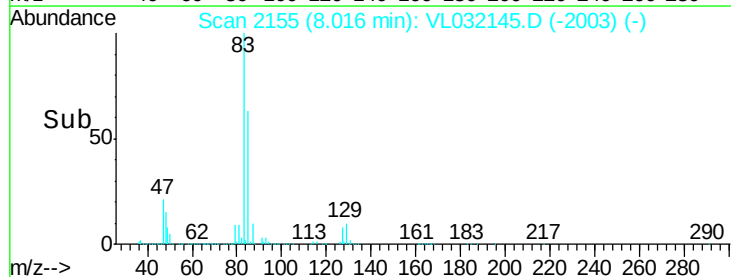
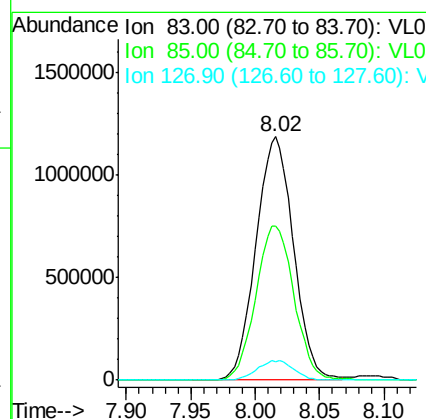
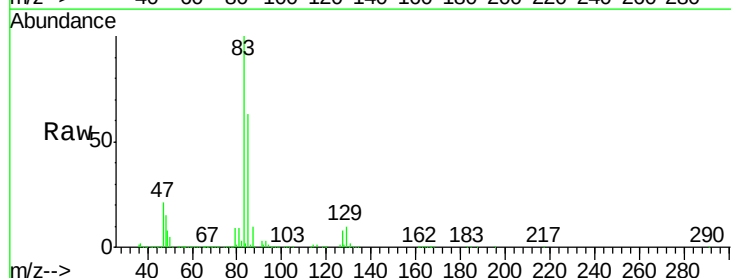
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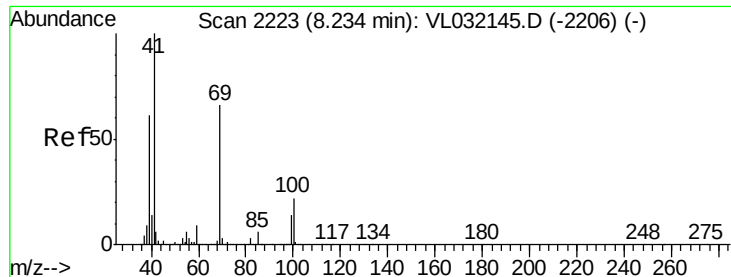
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#42
Bromodichloromethane
Concen: 10.10 ppbv
RT: 8.02 min Scan# 2155
Delta R.T. -0.01 min
Lab File: VL032145.D
Acq: 29 Jun 2018 18:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.6	79.0
127	7.6	6.5	9.7





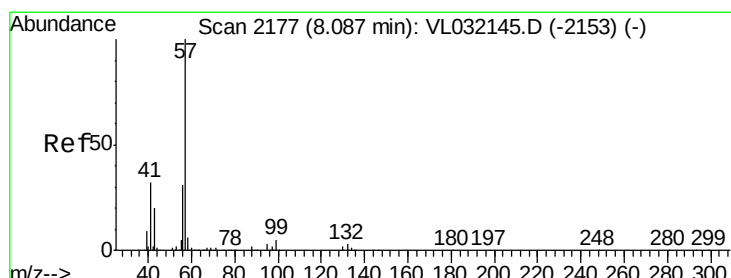
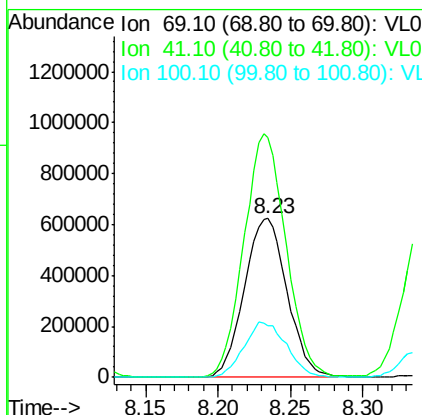
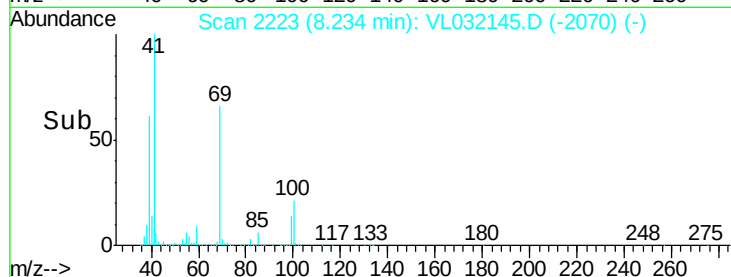
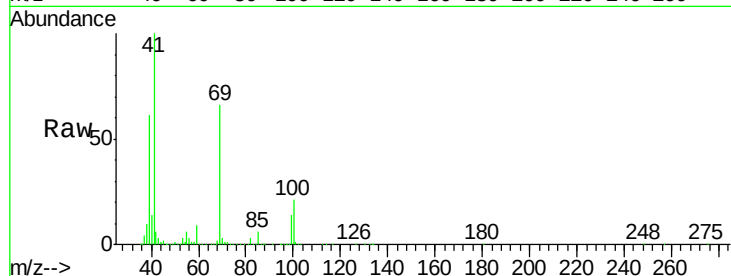
#43
Methyl Methacrylate
Concen: 9.43 ppbv
RT: 8.23 min Scan# 2223
Delta R.T. -0.01 min
Lab File: VL032145.D
Acq: 29 Jun 2018 18:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 69 Resp: 1279521
Ion Ratio Lower Upper
69 100
41 150.5 118.2 177.4
100 34.7 27.4 41.2

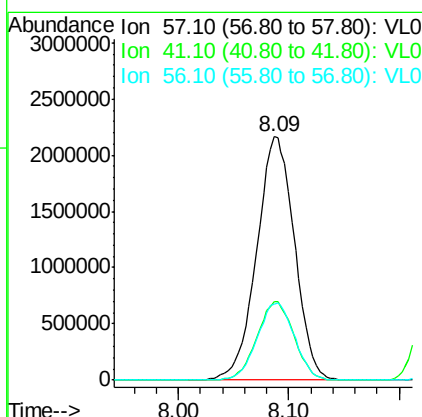
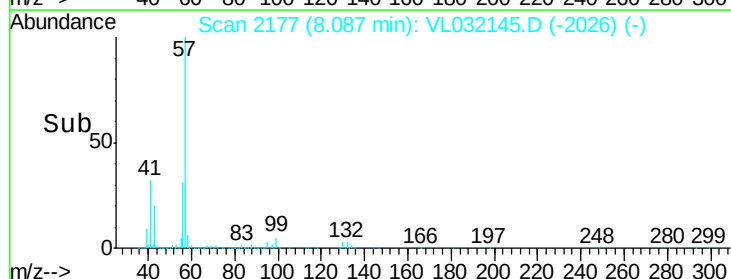
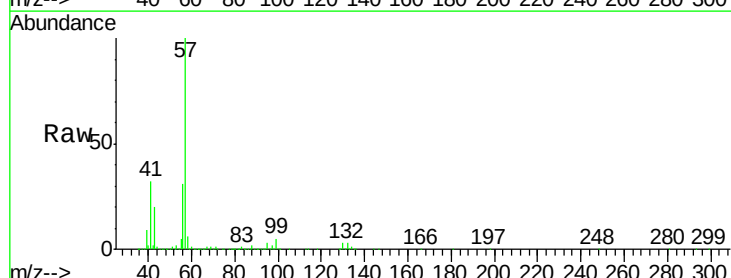
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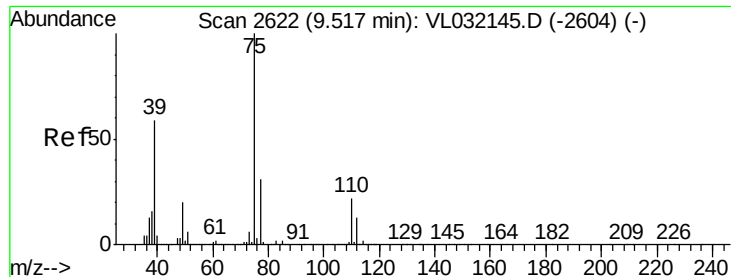
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#44
2,2,4-Trimethylpentane
Concen: 9.11 ppbv
RT: 8.09 min Scan# 2177
Delta R.T. -0.02 min
Lab File: VL032145.D
Acq: 29 Jun 2018 18:04

Tgt Ion: 57 Resp: 5132853
Ion Ratio Lower Upper
57 100
41 31.4 24.3 36.5
56 31.2 25.1 37.7





#45

t-1,3-Dichloropropene

Concen: 9.98 ppbv

RT: 9.52 min Scan# 2622

Delta R.T. -0.01 min

Lab File: VL032145.D

Acq: 29 Jun 2018 18:04

Tot Ion: 75 Resp: 1675810

Ion Ratio Lower Upper

75 100

77 30.6 25.6 38.4

Instrument :

MSVOA_L

ClientSampleId :

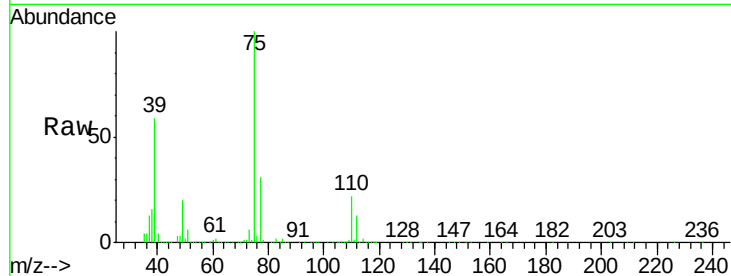
VSTDICCC010

Manual Integrations

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

800000

600000

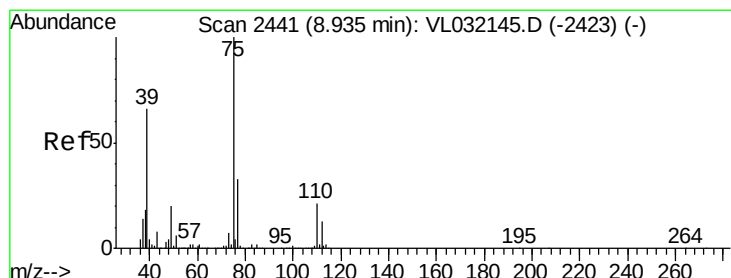
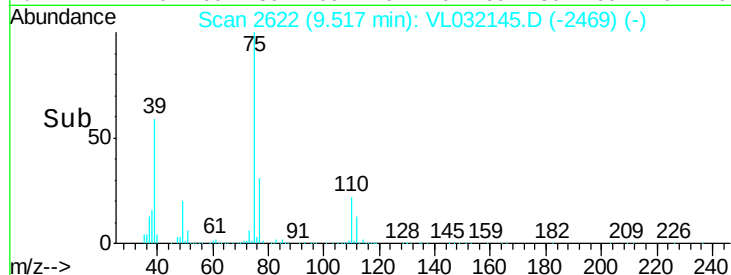
400000

200000

0

9.45 9.50 9.55 9.60

Time-->



#46

cis-1,3-Dichloropropene

Concen: 8.66 ppbv

RT: 8.94 min Scan# 2441

Delta R.T. -0.01 min

Lab File: VL032145.D

Acq: 29 Jun 2018 18:04

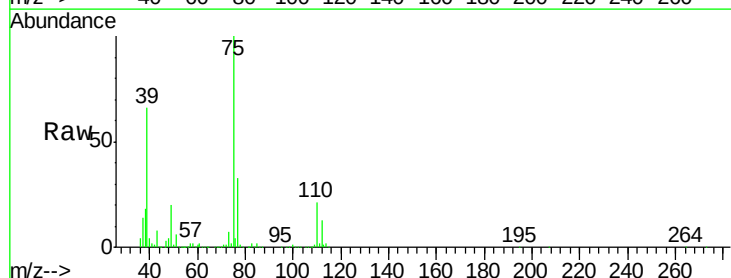
Tgt Ion: 75 Resp: 1860395

Ion Ratio Lower Upper

75 100

39 66.1 51.9 77.9

77 33.4 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

1200000

1000000

800000

600000

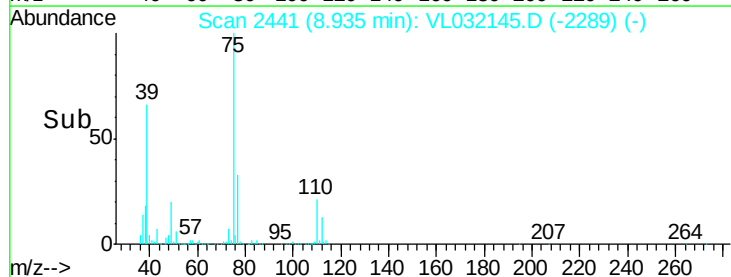
400000

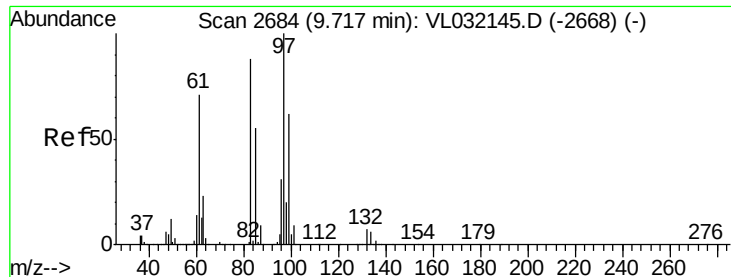
200000

0

8.85 8.90 8.95 9.00

Time-->





#47

1,1,2-Trichloroethane

Concen: 8.50 ppbv

RT: 9.72 min Scan# 2684

Delta R.T. -0.01 min

Lab File: VL032145.D

Acq: 29 Jun 2018 18:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 97 Resp: 1212049

Ion Ratio Lower Upper

97 100

83 87.5 71.0 106.4

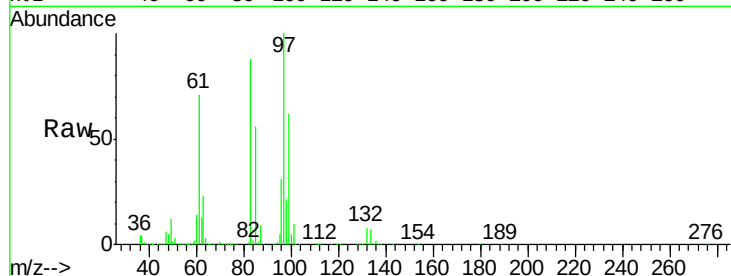
85 55.5 44.2 66.4

99 62.4 49.2 73.8

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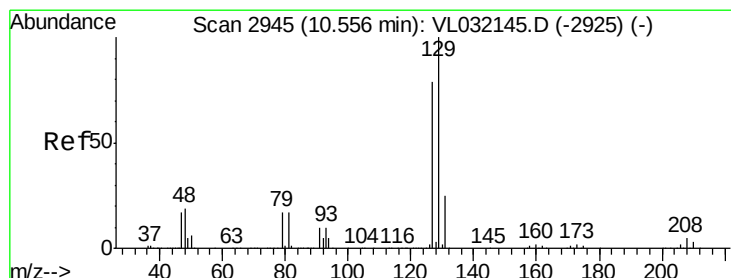
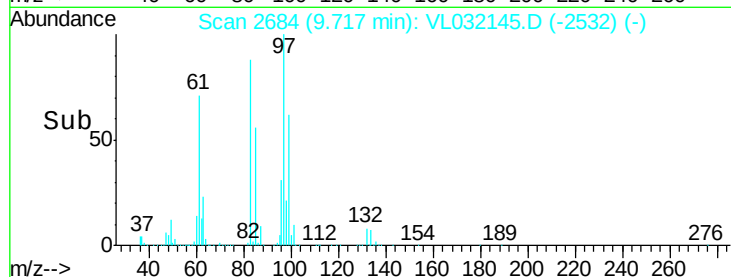
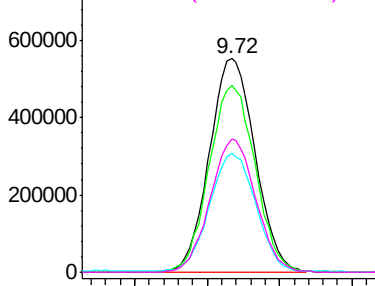


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 9.35 ppbv

RT: 10.56 min Scan# 2945

Delta R.T. -0.02 min

Lab File: VL032145.D

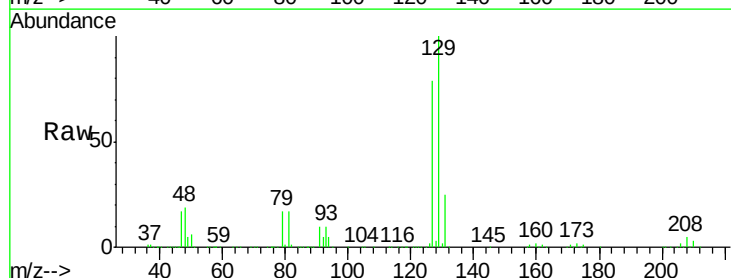
Acq: 29 Jun 2018 18:04

Tgt Ion: 129 Resp: 1994870

Ion Ratio Lower Upper

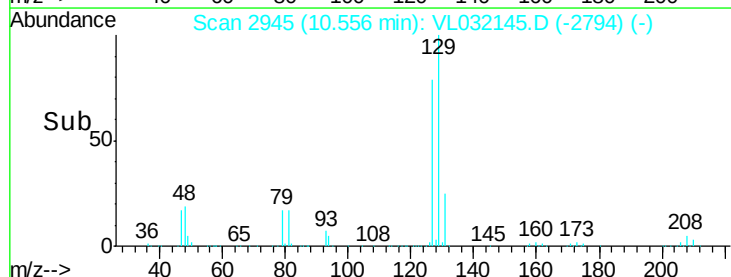
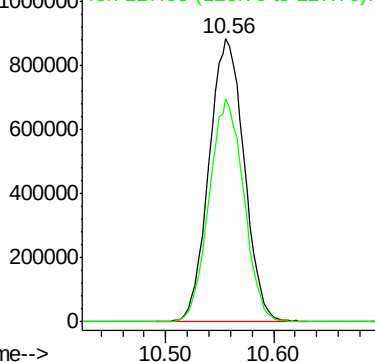
129 100

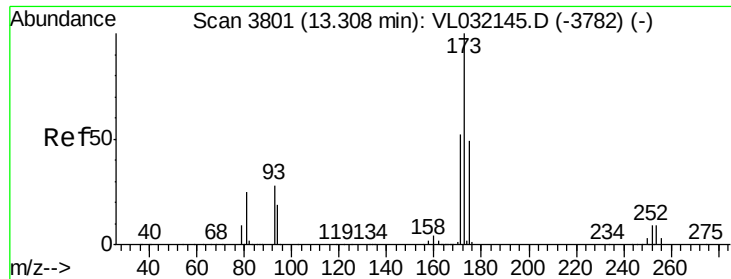
127 77.7 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





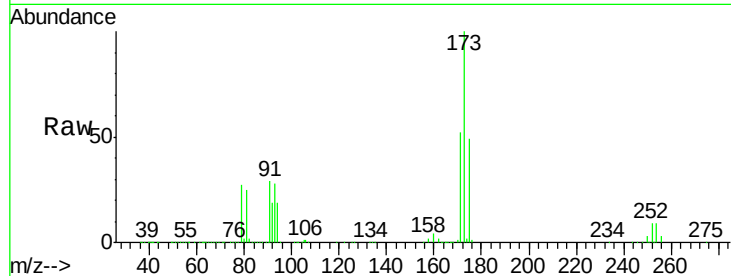
#49
Bromoform
Concen: 10.23 ppbv
RT: 13.31 min Scan# 3801
Delta R.T. -0.02 min
Lab File: VL032145.D
Acq: 29 Jun 2018 18:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

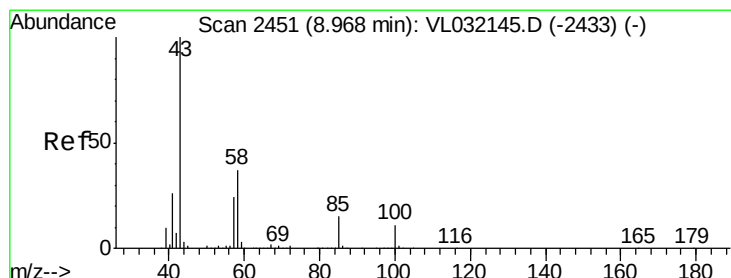
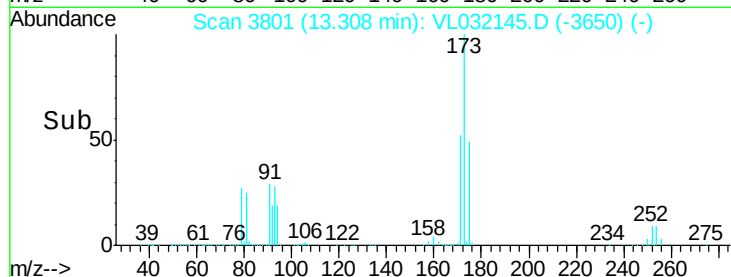
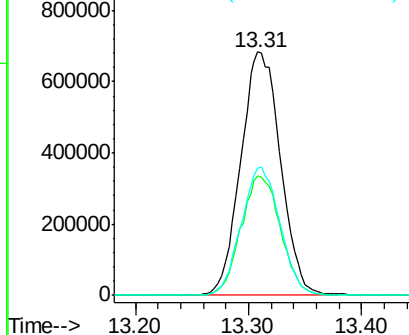
Tot Ion:173 Resp: 1672394
Ion Ratio Lower Upper
173 100
175 48.9 39.4 59.0
171 51.5 41.8 62.8

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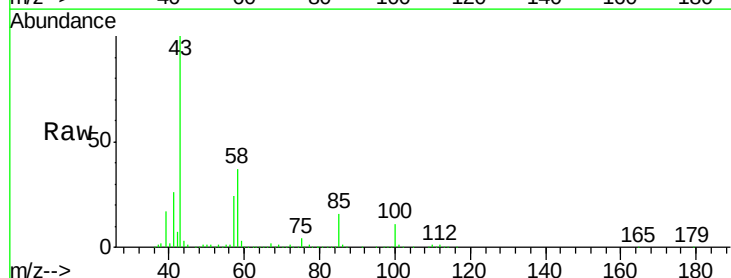


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

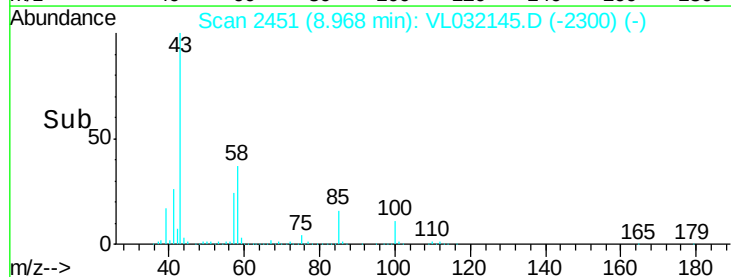
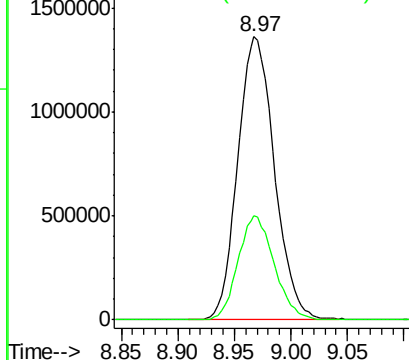


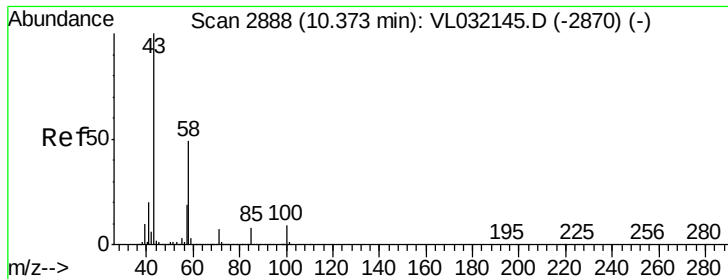
#50
4-Methyl-2-Pentanone
Concen: 7.73 ppbv
RT: 8.97 min Scan# 2451
Delta R.T. -0.02 min
Lab File: VL032145.D
Acq: 29 Jun 2018 18:04

Tgt Ion: 43 Resp: 3078813
Ion Ratio Lower Upper
43 100
58 36.2 29.8 44.6



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





#51

2-Hexanone

Concen: 6.69 ppbv

RT: 10.37 min Scan# 2888

Delta R.T. -0.01 min

Lab File: VL032145.D

Acq: 29 Jun 2018 18:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 2654075

Ion Ratio Lower Upper

43 100

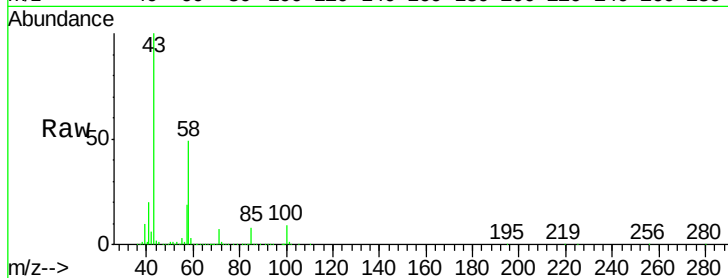
58 50.1 40.6 60.8

98 0.1 0.1 0.1#

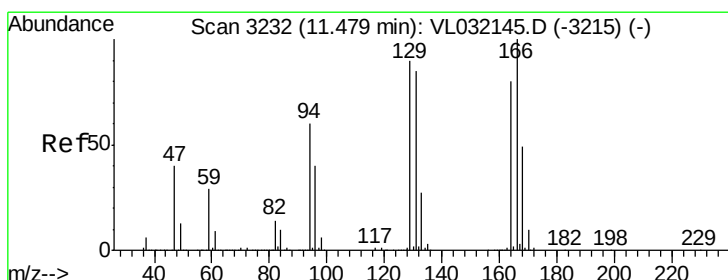
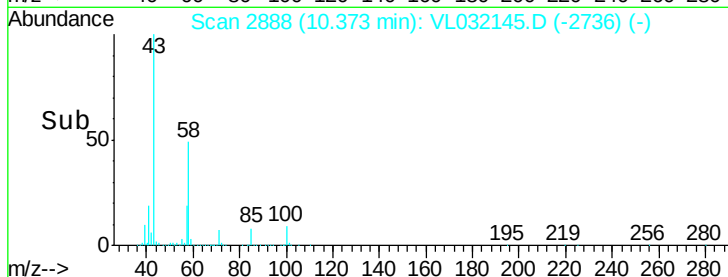
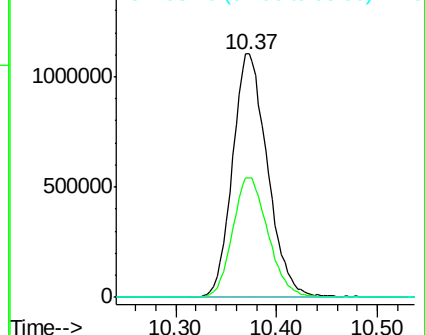
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 7.71 ppbv

RT: 11.48 min Scan# 3232

Delta R.T. -0.01 min

Lab File: VL032145.D

Acq: 29 Jun 2018 18:04

Tgt Ion: 164 Resp: 977827

Ion Ratio Lower Upper

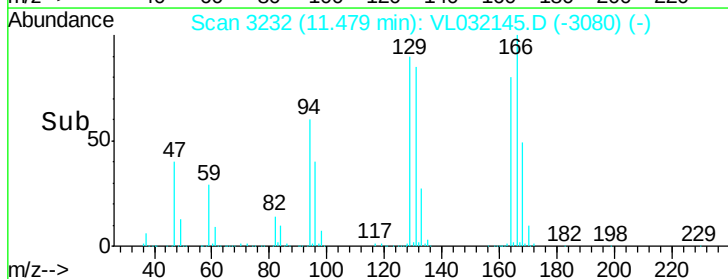
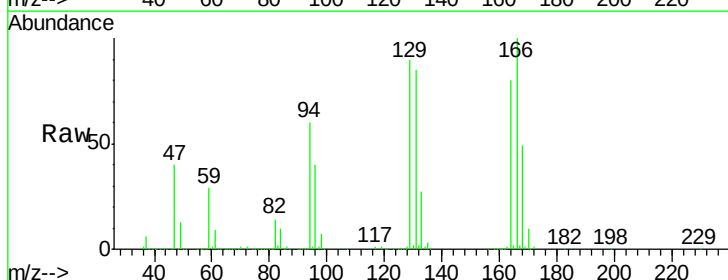
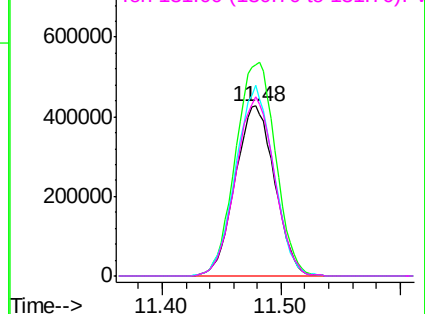
164 100

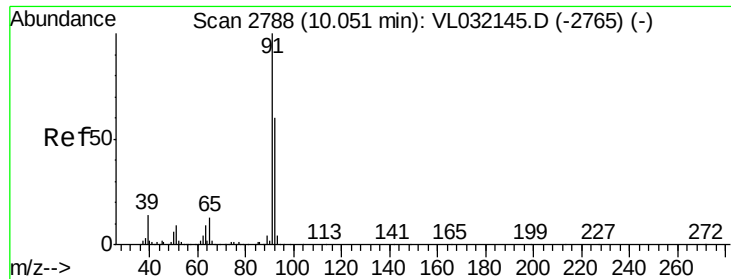
166 124.6 100.6 151.0

129 112.2 84.0 126.0

131 105.7 82.7 124.1

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: 8.56 ppbv

RT: 10.05 min Scan# 2788

Delta R.T. -0.01 min

Lab File: VL032145.D

Acq: 29 Jun 2018 18:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 3546533

Ion Ratio Lower Upper

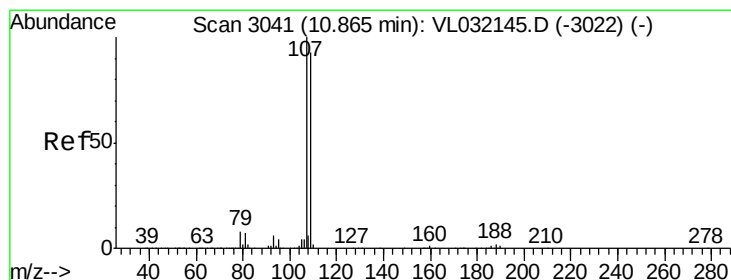
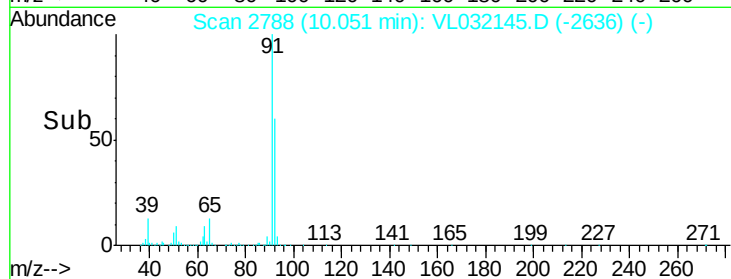
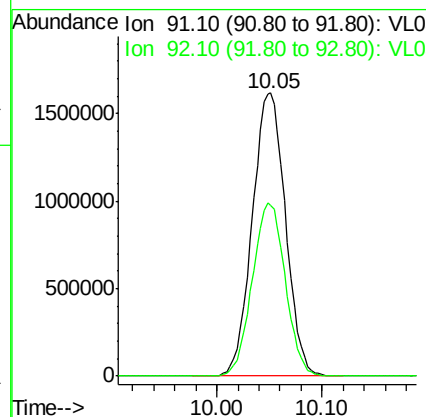
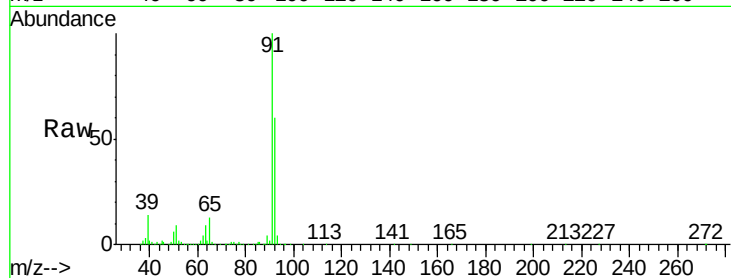
91 100

92 60.8 49.2 73.8

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#54

1,2-Dibromoethane

Concen: 8.74 ppbv

RT: 10.86 min Scan# 3041

Delta R.T. -0.01 min

Lab File: VL032145.D

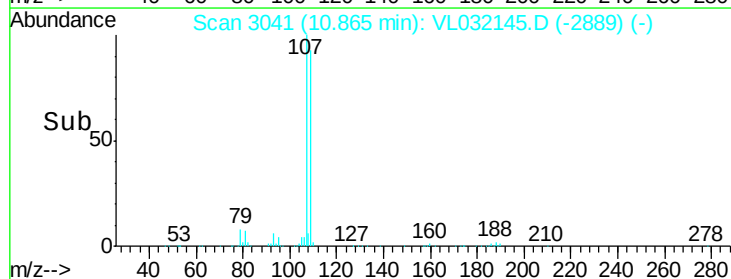
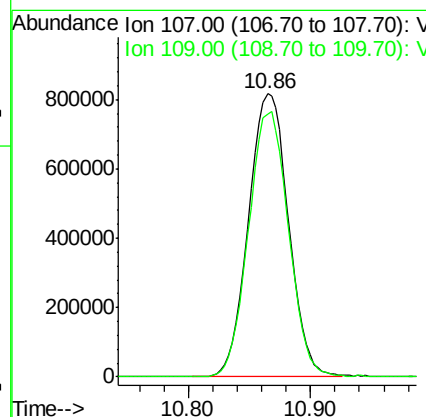
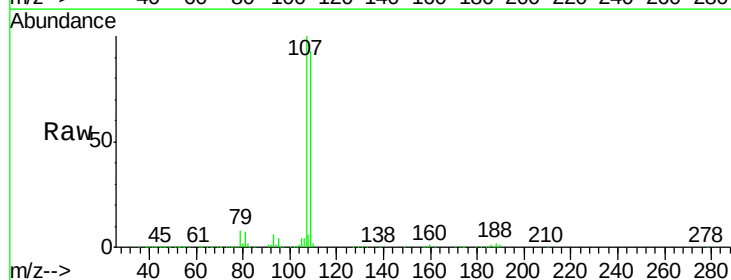
Acq: 29 Jun 2018 18:04

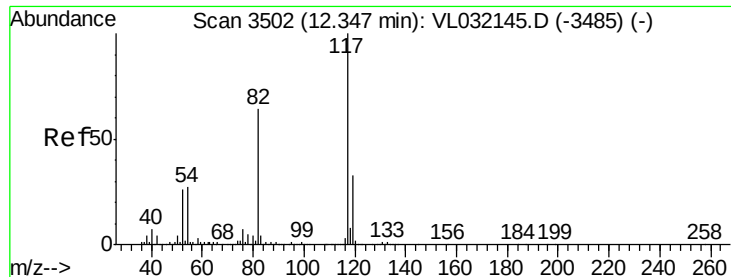
Tgt Ion: 107 Resp: 1843845

Ion Ratio Lower Upper

107 100

109 92.8 75.0 112.4





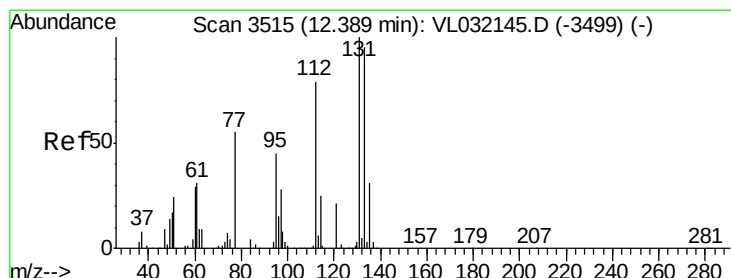
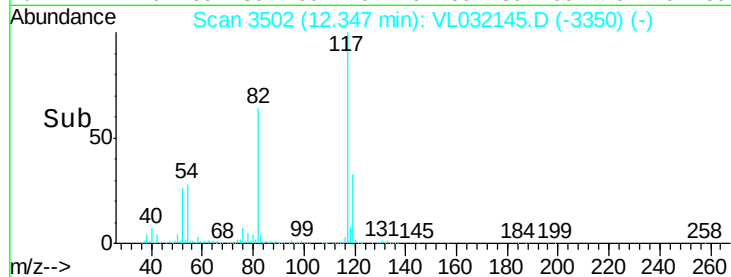
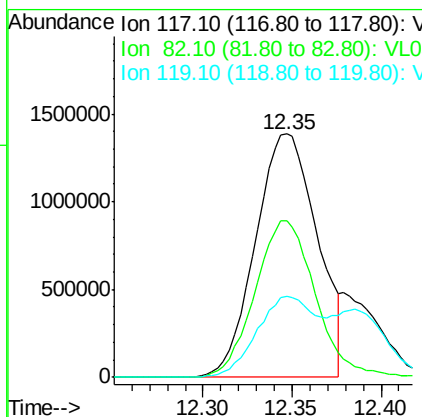
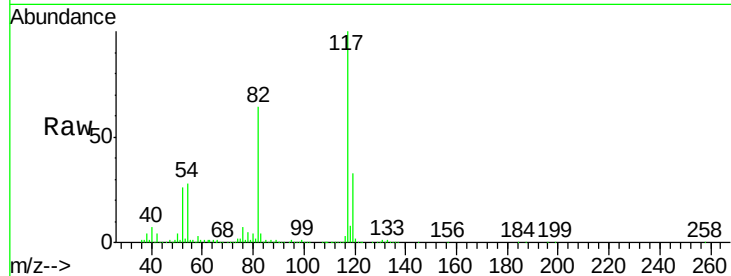
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 12.35 min Scan# 3502
Delta R.T. -0.01 min
Lab File: VL032145.D
Acq: 29 Jun 2018 18:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:117 Resp: 3336006
Ion Ratio Lower Upper
117 100
82 63.1 47.8 71.8
119 56.6 43.3 64.9

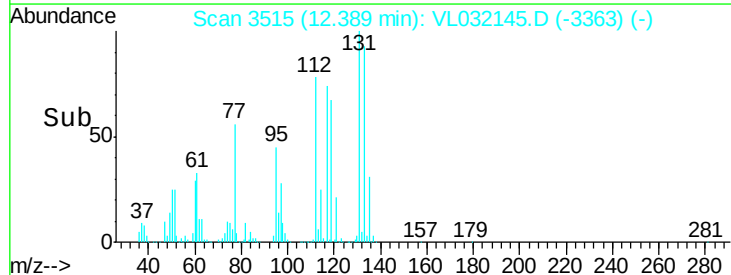
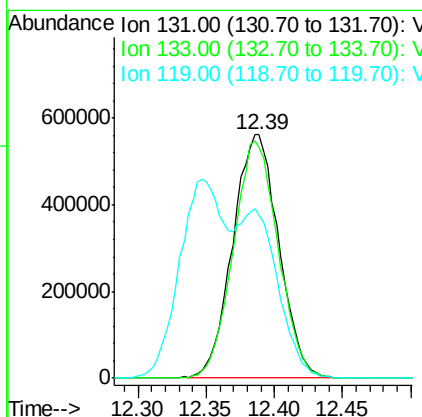
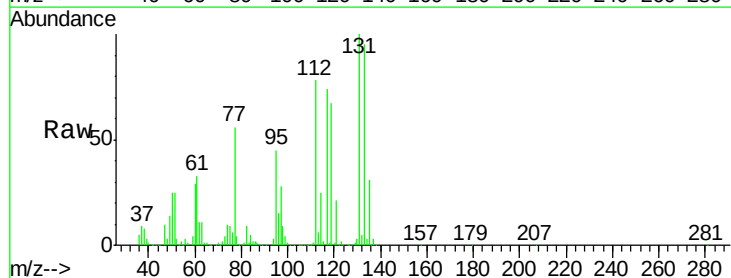
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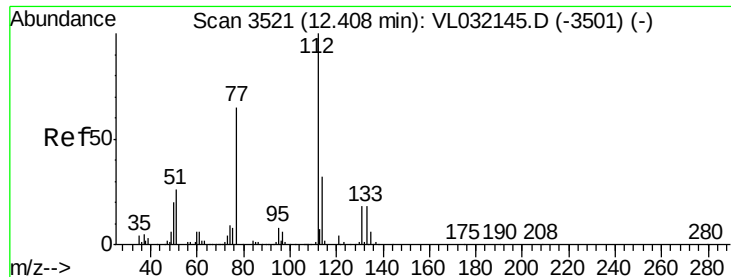
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.79 ppbv
RT: 12.39 min Scan# 3515
Delta R.T. -0.01 min
Lab File: VL032145.D
Acq: 29 Jun 2018 18:04

Tgt Ion:131 Resp: 1303919
Ion Ratio Lower Upper
131 100
133 96.2 75.5 113.3
119 145.1 118.4 177.6





#57

Chlorobenzene

Concen: 7.83 ppbv

RT: 12.41 min Scan# 3521

Delta R.T. -0.01 min

Lab File: VL032145.D

Acq: 29 Jun 2018 18:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:112 Resp: 2475842

Ion Ratio Lower Upper

112 100

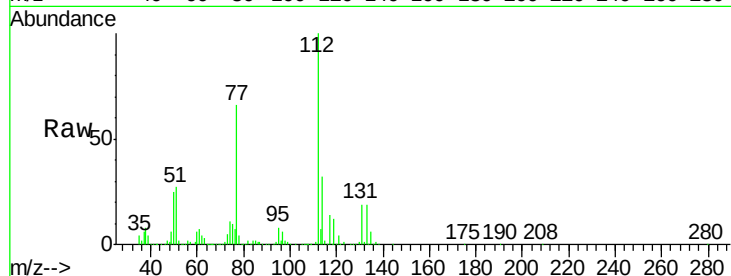
77 66.0 52.6 78.8

114 31.9 27.9 34.1

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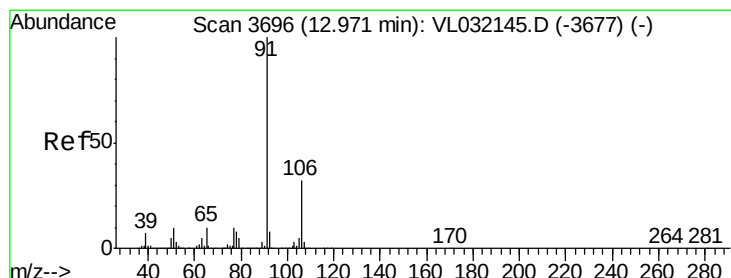
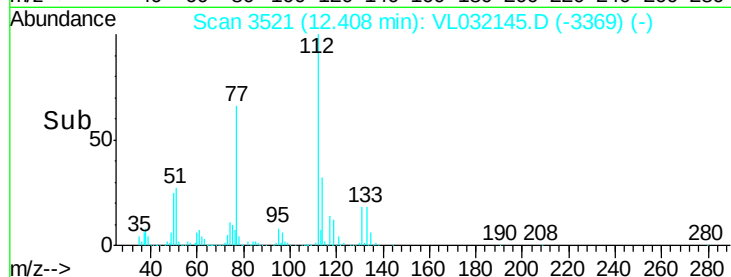
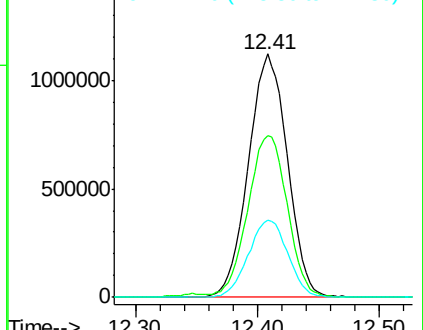
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.89 ppbv

RT: 12.97 min Scan# 3696

Delta R.T. -0.01 min

Lab File: VL032145.D

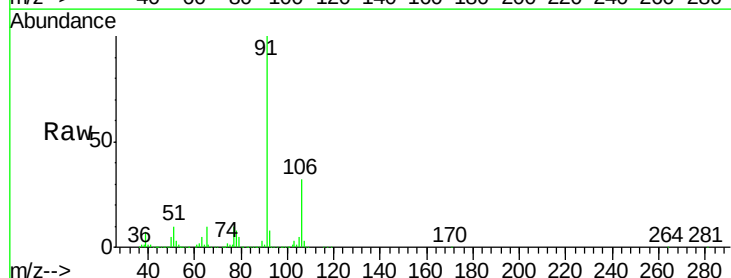
Acq: 29 Jun 2018 18:04

Tgt Ion: 91 Resp: 4585891

Ion Ratio Lower Upper

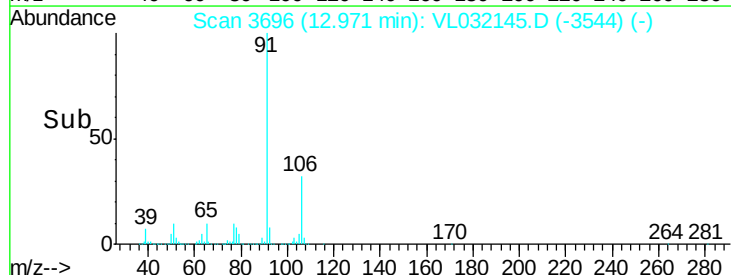
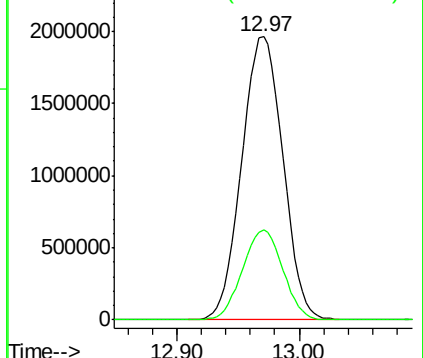
91 100

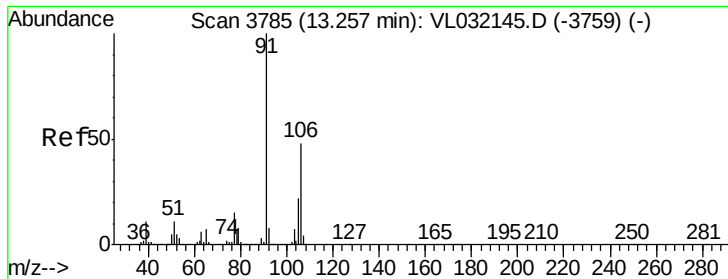
106 32.0 26.5 39.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





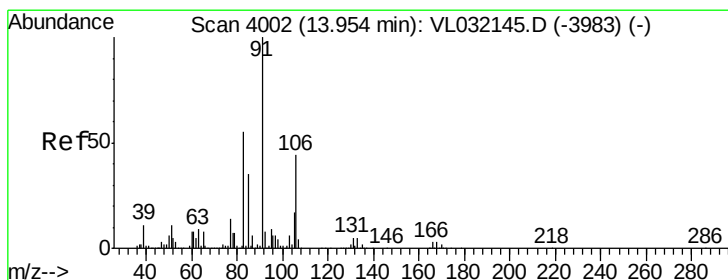
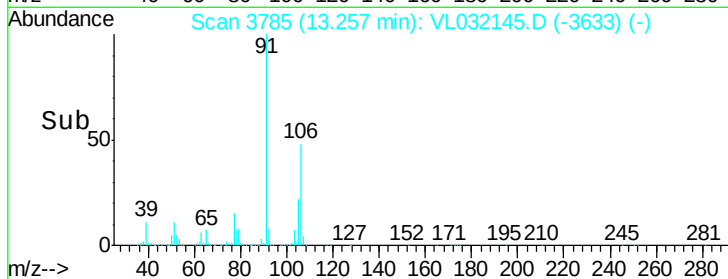
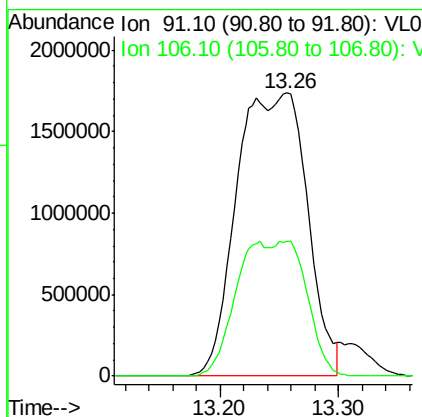
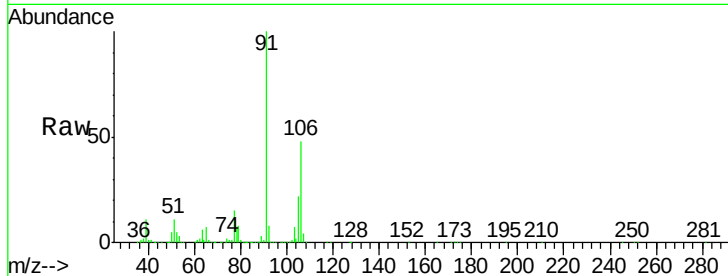
#59
m/p-Xylene
Concen: 15.66 ppbv m
RT: 13.26 min Scan# 3785
Delta R.T. -0.01 min
Lab File: VL032145.D
Acq: 29 Jun 2018 18:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 7202912
Ion Ratio Lower Upper
91 100
106 47.2 38.6 58.0

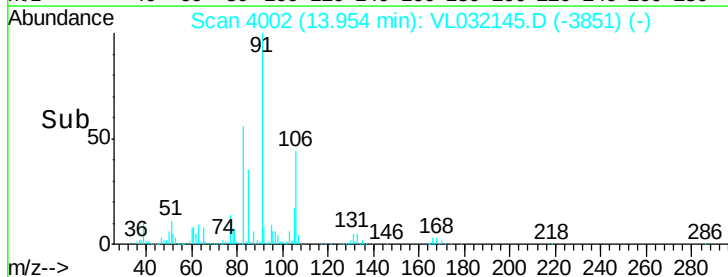
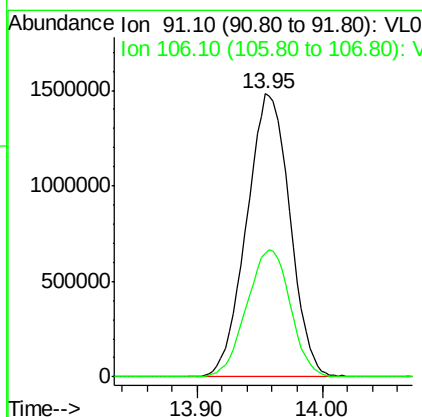
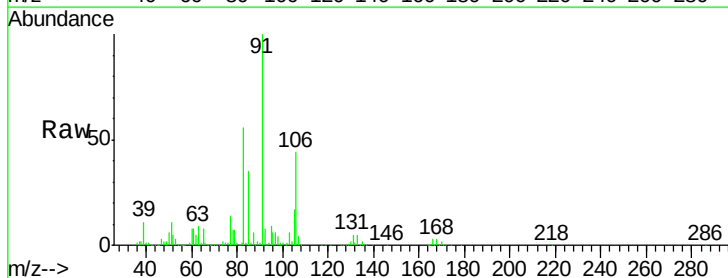
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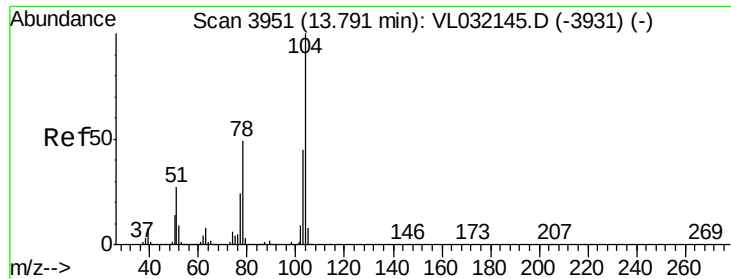
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#60
o-Xylene
Concen: 7.80 ppbv
RT: 13.95 min Scan# 4002
Delta R.T. -0.02 min
Lab File: VL032145.D
Acq: 29 Jun 2018 18:04

Tgt Ion: 91 Resp: 3559804
Ion Ratio Lower Upper
91 100
106 45.5 23.3 69.8





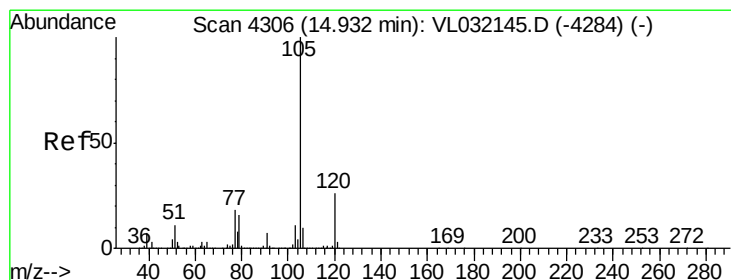
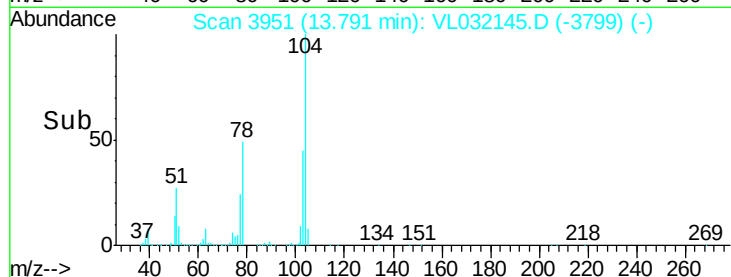
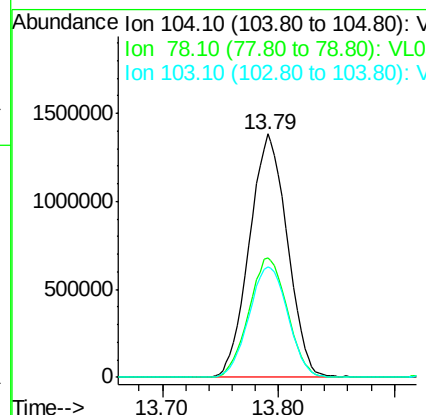
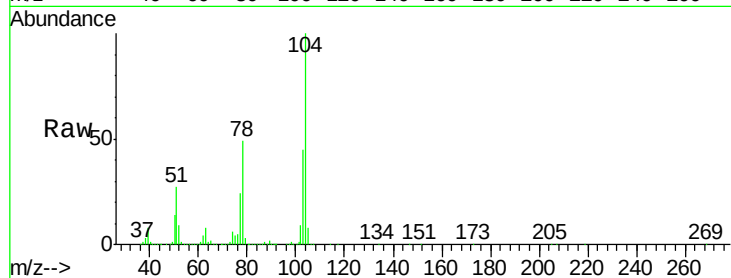
#61
Stvrene
Concen: 23.10 ppbv
RT: 13.79 min Scan# 3951
Delta R.T. -0.01 min
Lab File: VL032145.D
Acq: 29 Jun 2018 18:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.0	37.9	56.9
103	46.9	36.6	55.0

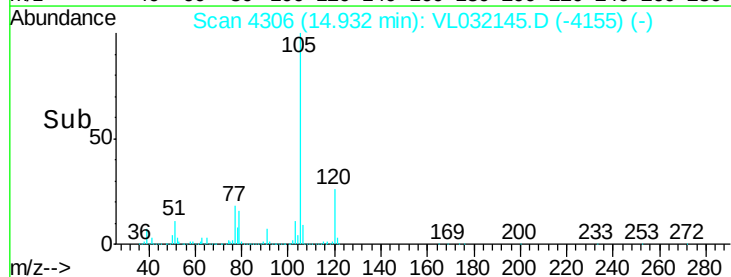
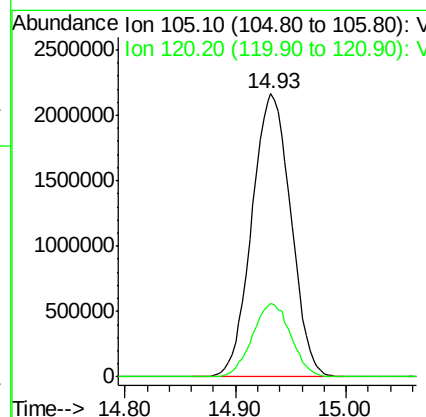
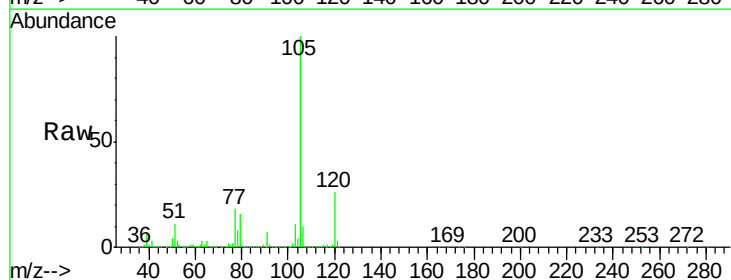
Manual Integrations
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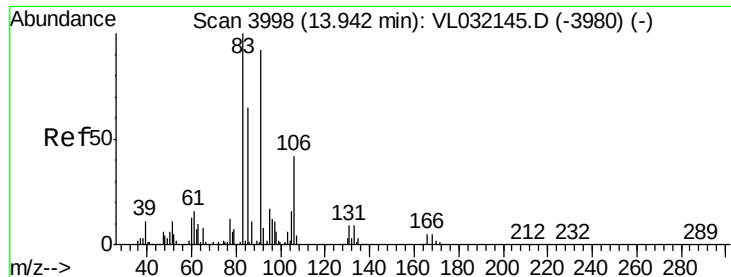
MMDadoda
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#62
Isopropylbenzene
Concen: 8.71 ppbv
RT: 14.93 min Scan# 4306
Delta R.T. -0.02 min
Lab File: VL032145.D
Acq: 29 Jun 2018 18:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	21.0	31.4





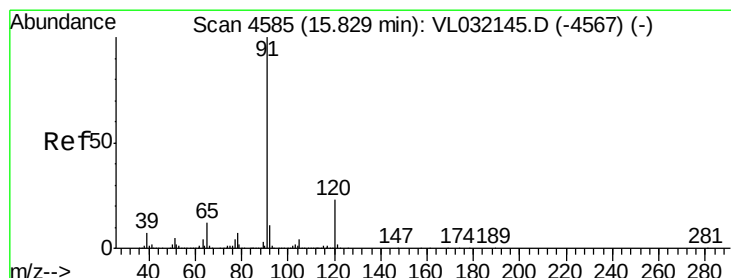
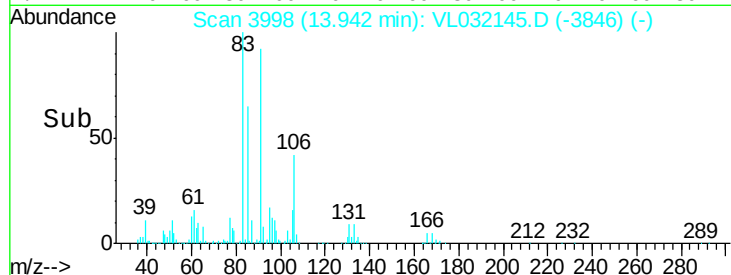
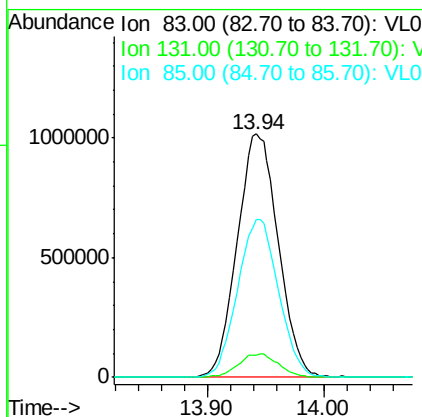
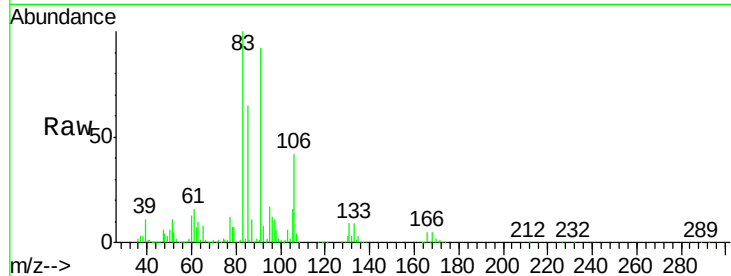
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.05 ppbv
 RT: 13.94 min Scan# 3998
 Delta R.T. -0.01 min
 Lab File: VL032145.D
 Acq: 29 Jun 2018 18:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	83	Resp	2496436
Ion Ratio	100	Lower	Upper
83	100		
131	9.4	4.6	13.8
85	64.9	32.4	97.2

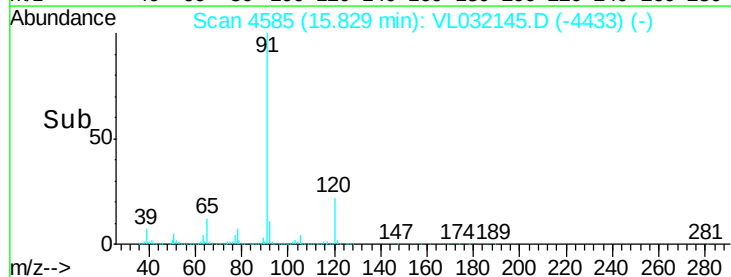
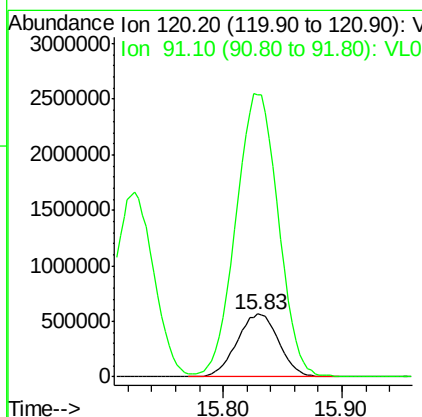
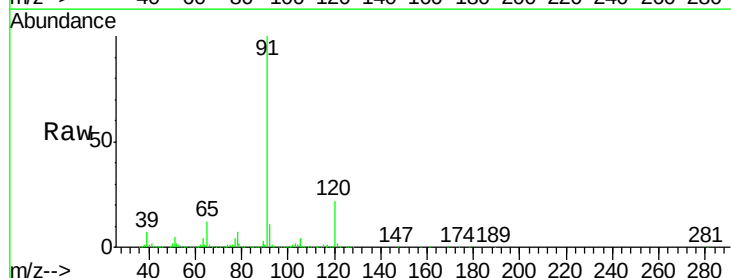
Manual Integrations
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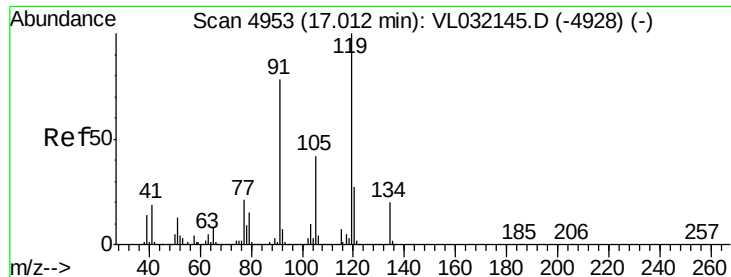
MMDadoda
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#64
 n-propylbenzene
 Concen: 8.62 ppbv
 RT: 15.83 min Scan# 4585
 Delta R.T. -0.01 min
 Lab File: VL032145.D
 Acq: 29 Jun 2018 18:04

Tgt Ion	120	Resp	1365262
Ion Ratio	100	Lower	Upper
120	100		
91	461.5	357.4	536.0





#65

tert-Butylbenzene

Concen: 8.22 ppbv

RT: 17.01 min Scan# 4953

Delta R.T. -0.01 min

Lab File: VL032145.D

Acq: 29 Jun 2018 18:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:119 Resp: 4400000

Ion Ratio Lower Upper

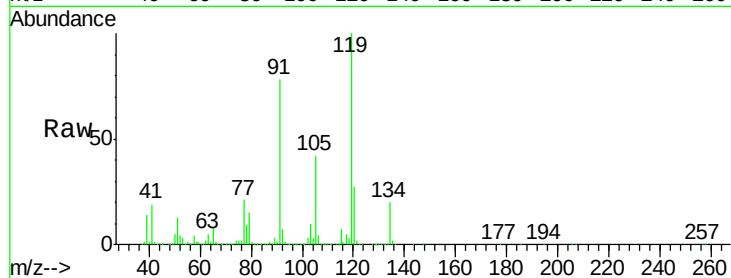
119 100

91 79.9 62.2 93.2

134 19.3 16.2 24.2

Manual Integrations
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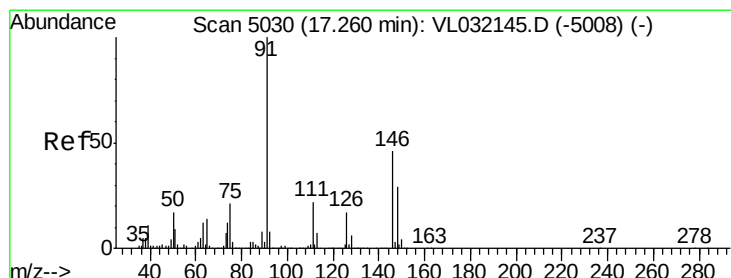
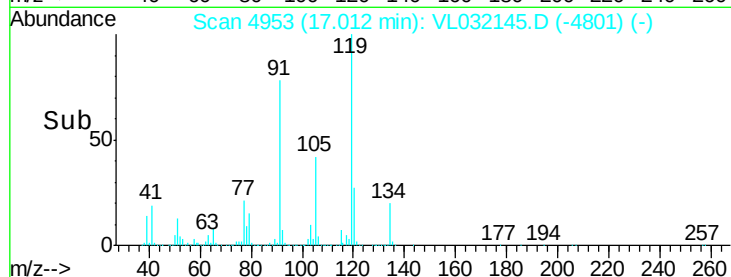
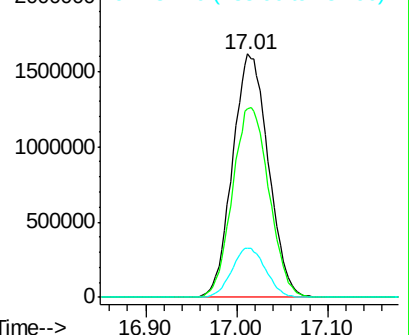
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 48.55 ppbv

RT: 17.26 min Scan# 5030

Delta R.T. -0.02 min

Lab File: VL032145.D

Acq: 29 Jun 2018 18:04

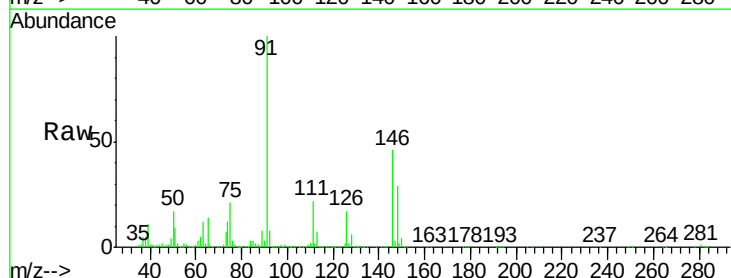
Tgt Ion: 91 Resp: 3316180

Ion Ratio Lower Upper

91 100

126 18.3 15.7 23.5

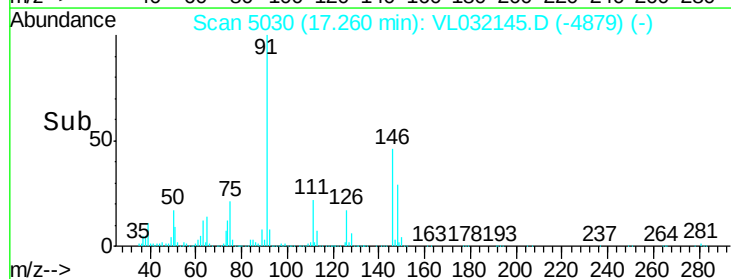
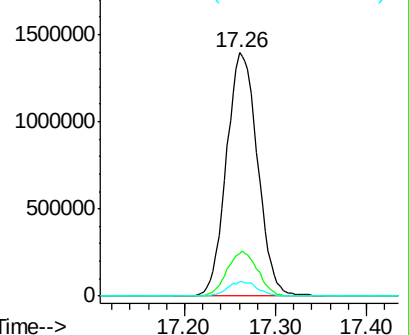
128 5.8 5.2 7.8

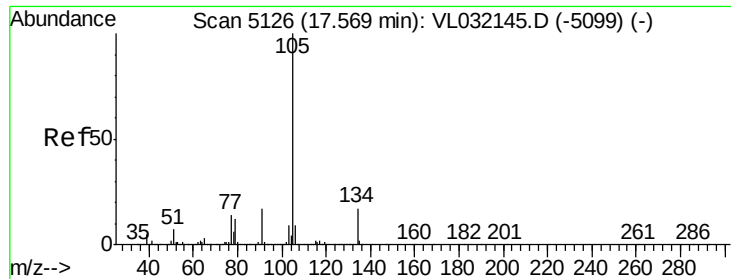


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.25 ppbv

RT: 17.57 min Scan# 5126

Delta R.T. -0.01 min

Lab File: VL032145.D

Acq: 29 Jun 2018 18:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 6436341

Ion Ratio Lower Upper

105 100

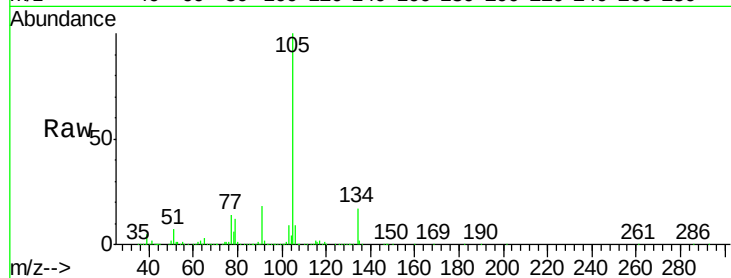
134 17.9 14.7 22.1

Manual Integrations

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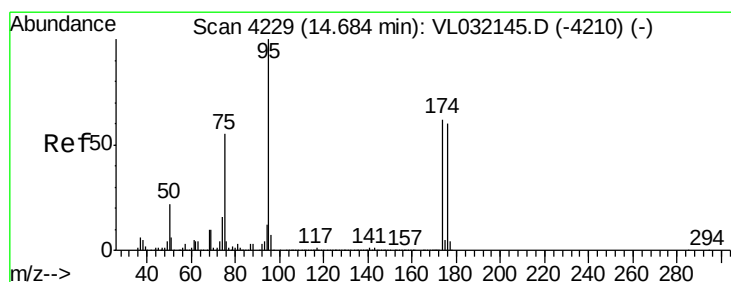
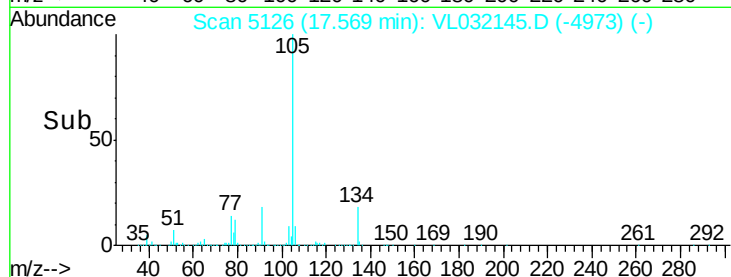
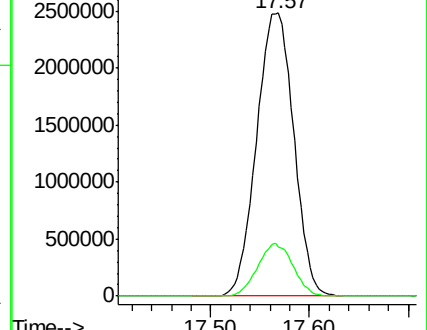
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.67 ppbv

RT: 14.68 min Scan# 4229

Delta R.T. -0.01 min

Lab File: VL032145.D

Acq: 29 Jun 2018 18:04

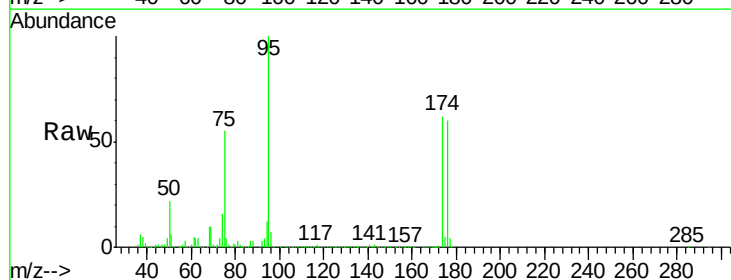
Tgt Ion: 95 Resp: 2397164

Ion Ratio Lower Upper

95 100

174 61.5 52.1 78.1

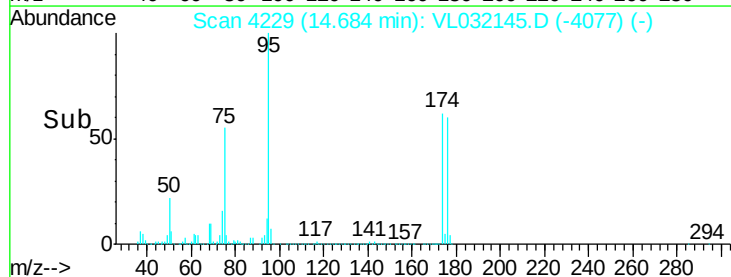
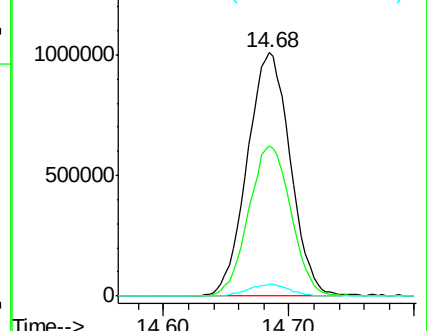
175 4.8 4.0 6.0

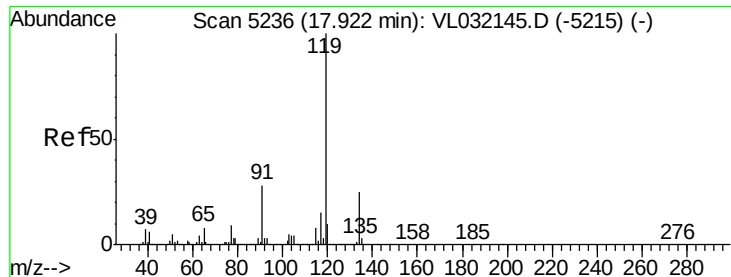


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





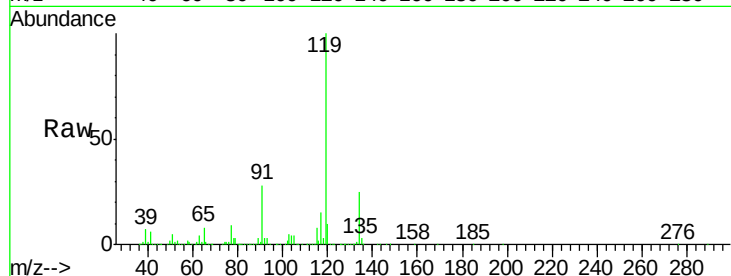
#69
 p-Isopropyltoluene
 Concen: 8.34 ppbv
 RT: 17.92 min Scan# 5236
 Delta R.T. -0.01 min
 Lab File: VL032145.D
 Acq: 29 Jun 2018 18:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

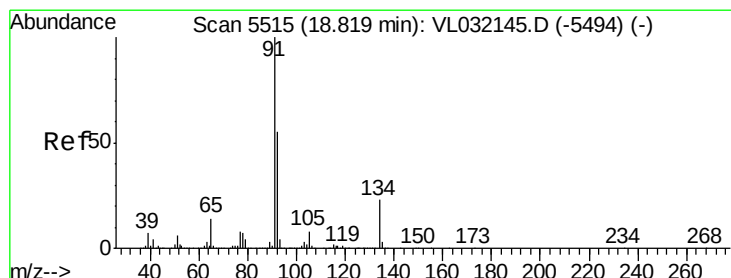
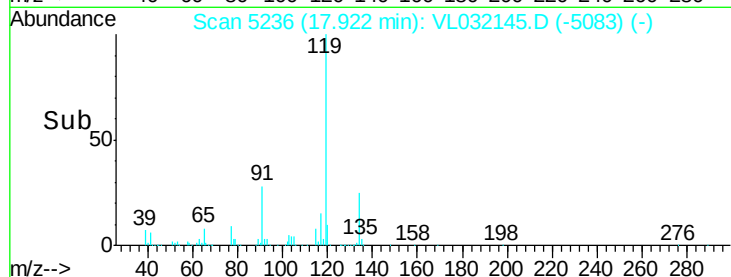
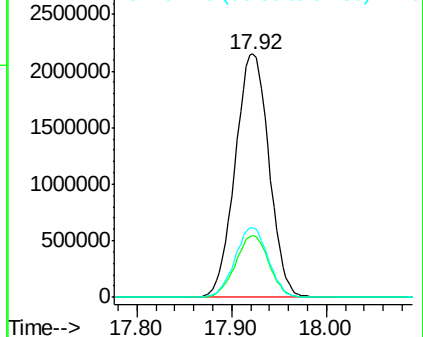
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.7	31.1
91	28.2	21.8	32.8

Manual Integrations
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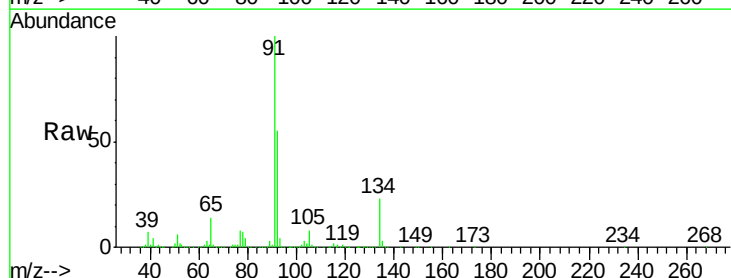


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

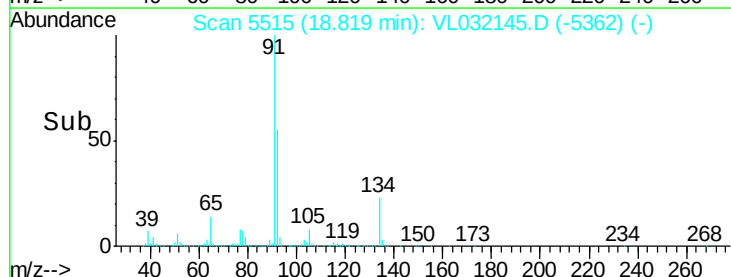
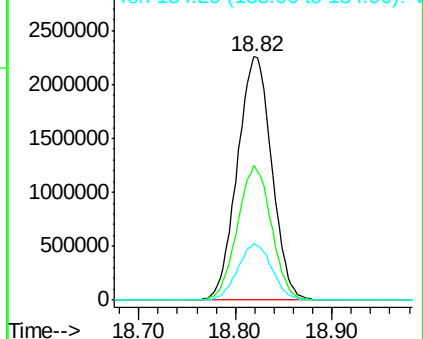


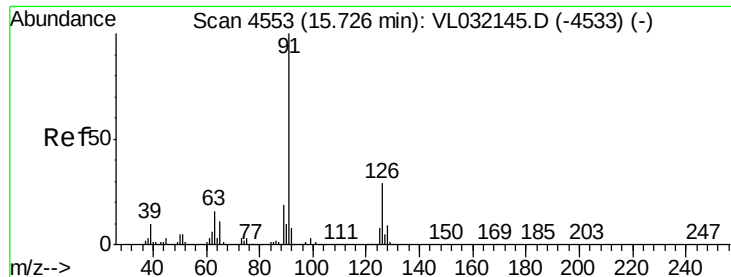
#70
 n-Butylbenzene
 Concen: 8.28 ppbv
 RT: 18.82 min Scan# 5515
 Delta R.T. -0.01 min
 Lab File: VL032145.D
 Acq: 29 Jun 2018 18:04

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	43.7	65.5
134	23.0	18.9	28.3



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





#71

2-Chlorotoluene

Concen: 8.57 ppbv

RT: 15.73 min Scan# 4553

Delta R.T. -0.01 min

Lab File: VL032145.D

Acq: 29 Jun 2018 18:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 3994809

Ion Ratio Lower Upper

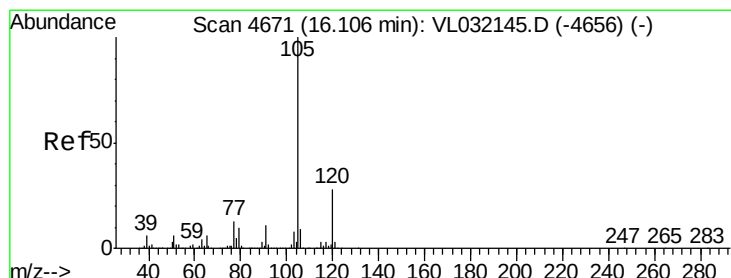
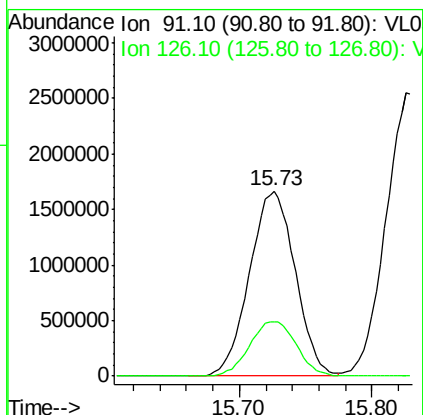
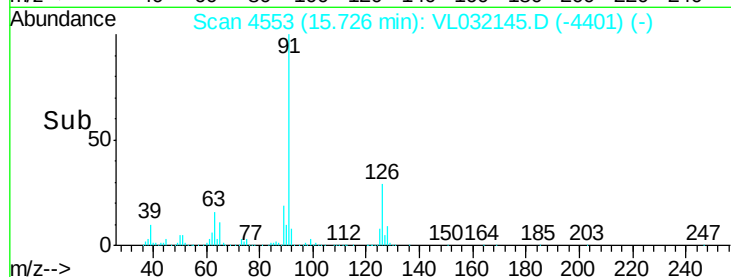
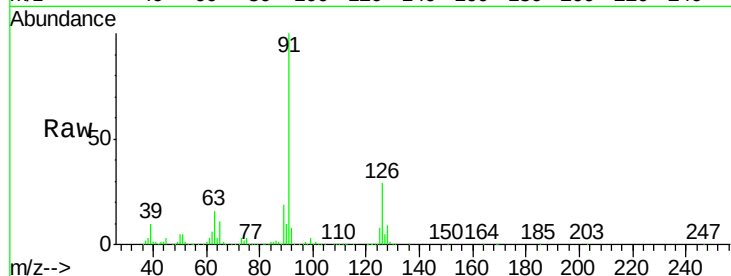
91 100

126 30.3 12.8 51.0

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#72

4-Ethyltoluene

Concen: 8.65 ppbv

RT: 16.11 min Scan# 4671

Delta R.T. -0.01 min

Lab File: VL032145.D

Acq: 29 Jun 2018 18:04

Tgt Ion: 105 Resp: 4452233

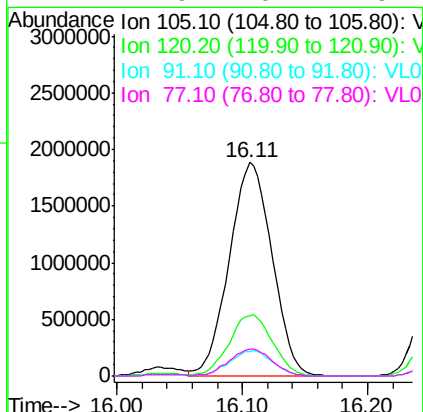
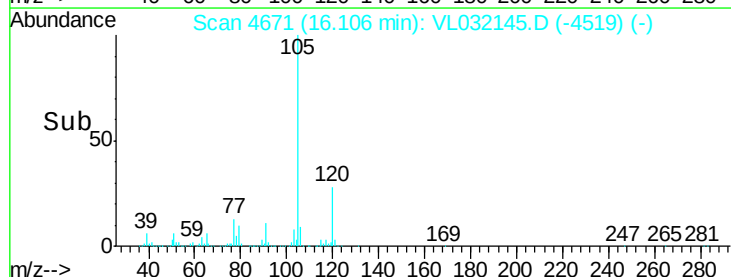
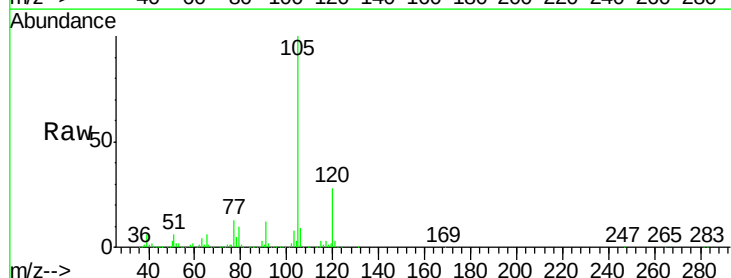
Ion Ratio Lower Upper

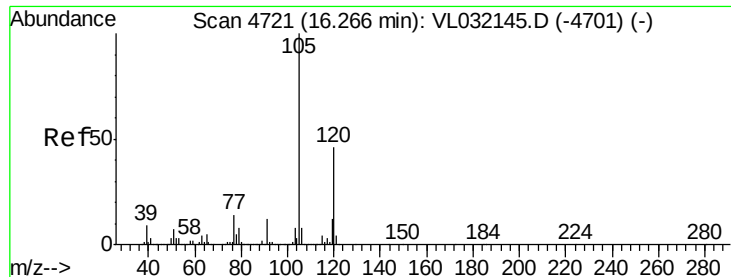
105 100

120 29.2 24.3 36.5

91 11.9 9.4 14.0

77 12.9 10.2 15.2





#73

1,3,5-Trimethylbenzene

Concen: 9.12 ppbv

RT: 16.27 min Scan# 4721

Delta R.T. -0.01 min

Lab File: VL032145.D

Acq: 29 Jun 2018 18:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 4202554

Ion Ratio Lower Upper

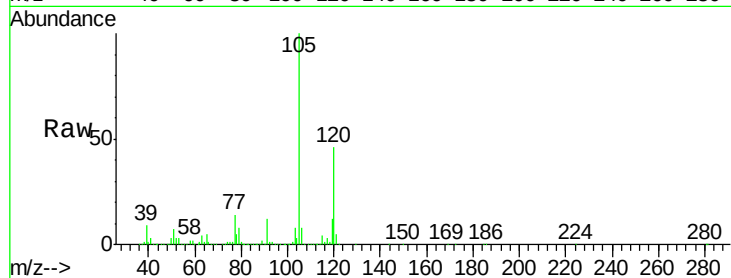
105 100

120 45.6 38.6 57.8

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

1000000

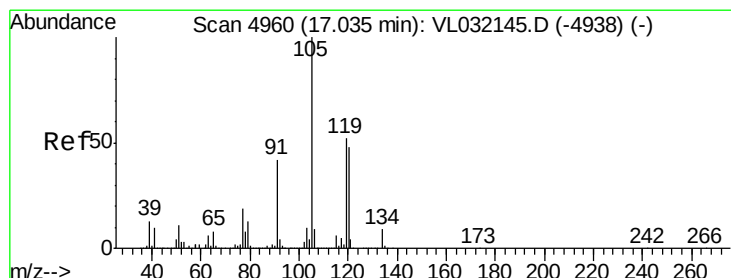
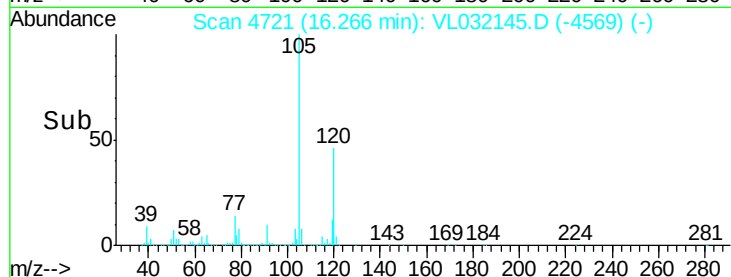
500000

0

16.20 16.30

16.27

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.32 ppbv

RT: 17.03 min Scan# 4960

Delta R.T. -0.01 min

Lab File: VL032145.D

Acq: 29 Jun 2018 18:04

Tgt Ion:105 Resp: 4081138

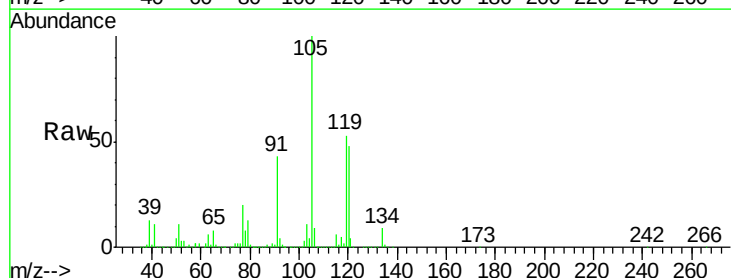
Ion Ratio Lower Upper

105 100

120 47.8 38.8 58.2

91 43.0 33.6 50.4

77 19.6 16.0 24.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

1500000

1000000

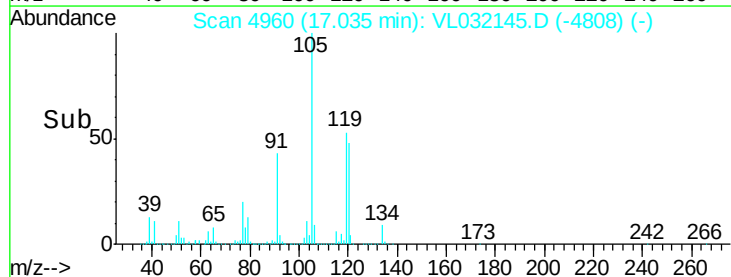
500000

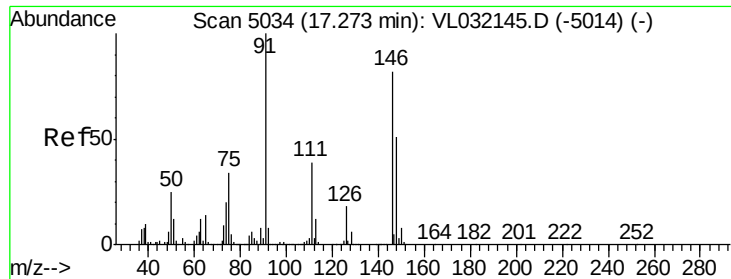
0

16.90 17.00 17.10

17.03

Time-->





#75
 1,3-Dichlorobenzene
 Concen: 7.80 ppbv
 RT: 17.27 min Scan# 5034
 Delta R.T. -0.02 min
 Lab File: VL032145.D
 Acq: 29 Jun 2018 18:04

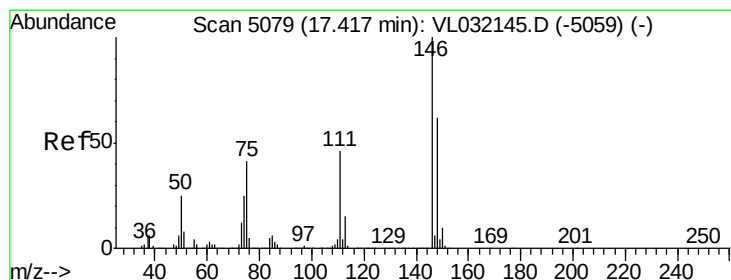
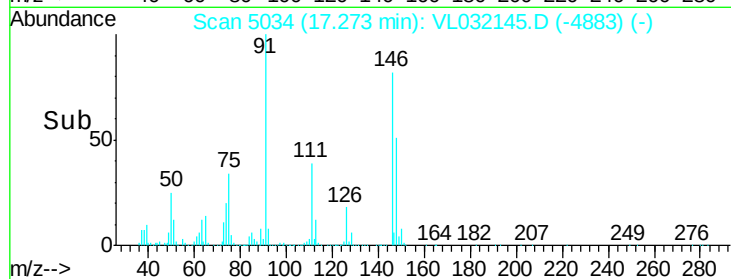
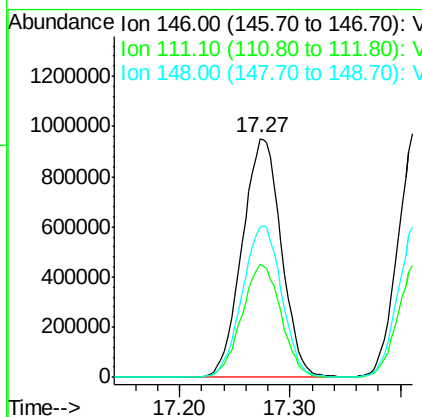
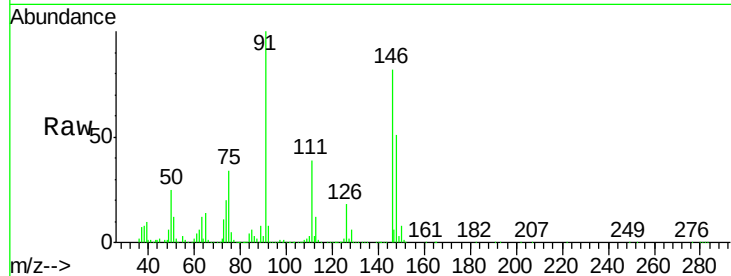
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:146 Resp: 2339384

Ion	Ratio	Lower	Upper
146	100		
111	47.4	22.9	68.8
148	63.7	31.7	95.1

Manual Integrations
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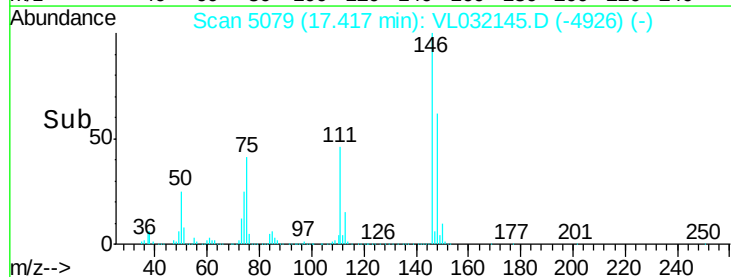
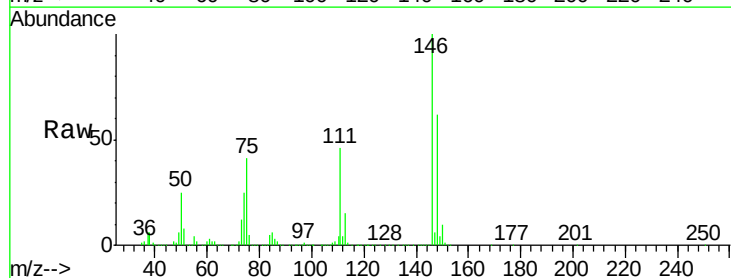
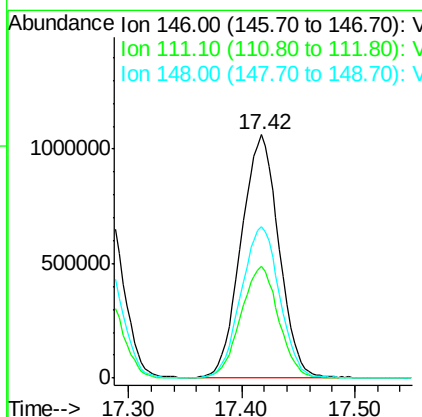
MMDadoda
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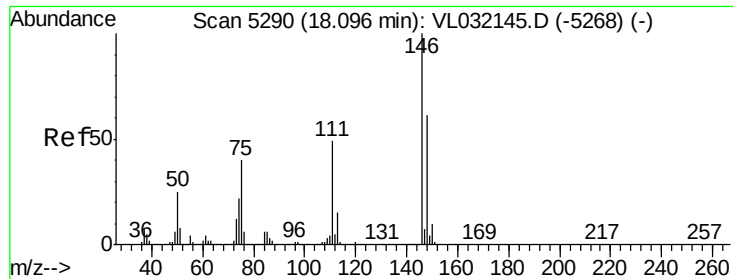


#76
 1,4-Dichlorobenzene
 Concen: 8.04 ppbv
 RT: 17.42 min Scan# 5079
 Delta R.T. -0.01 min
 Lab File: VL032145.D
 Acq: 29 Jun 2018 18:04

Tgt Ion:146 Resp: 2451831

Ion	Ratio	Lower	Upper
146	100		
111	46.1	21.9	65.8
148	63.9	32.1	96.5





#77

1,2-Dichlorobenzene

Concen: 7.69 ppbv

RT: 18.10 min Scan# 5290

Delta R.T. -0.01 min

Lab File: VL032145.D

Acq: 29 Jun 2018 18:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:146 Resp: 2396894

Ion Ratio Lower Upper

146 100

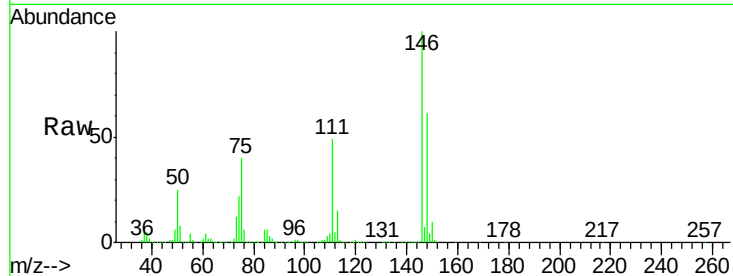
111 48.5 23.4 70.3

148 62.9 32.0 96.0

Manual Integrations
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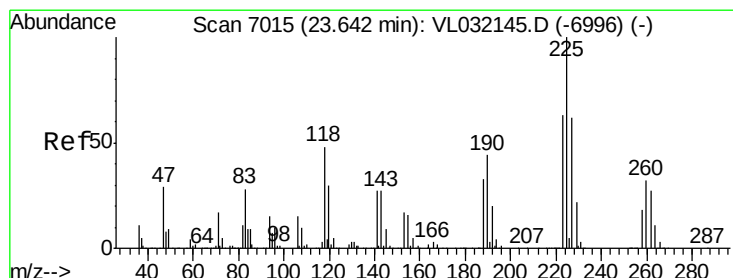
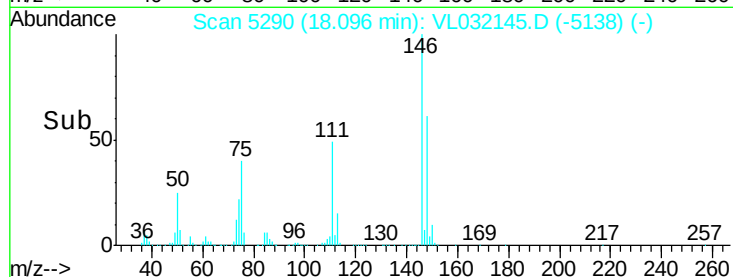
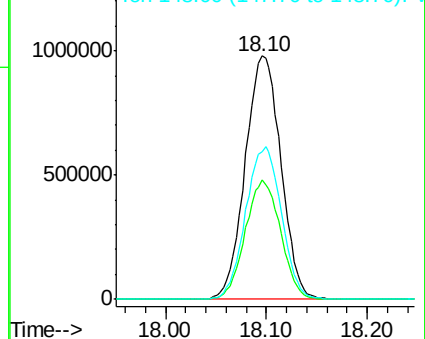
7/2/2018 4:24:45 PM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 9.80 ppbv

RT: 23.64 min Scan# 7015

Delta R.T. -0.02 min

Lab File: VL032145.D

Acq: 29 Jun 2018 18:04

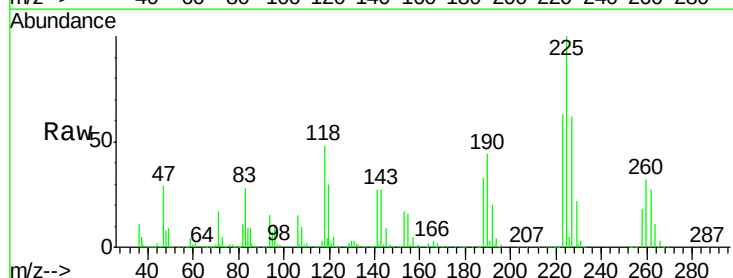
Tgt Ion:225 Resp: 831198

Ion Ratio Lower Upper

225 100

223 62.9 51.0 76.4

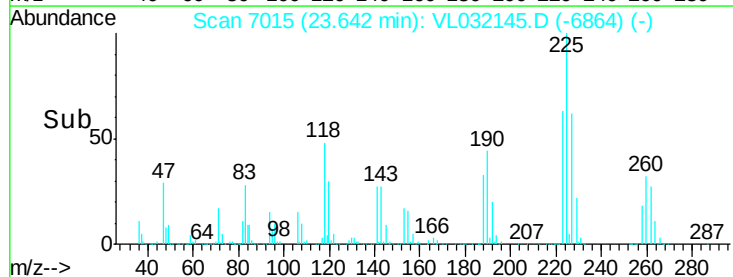
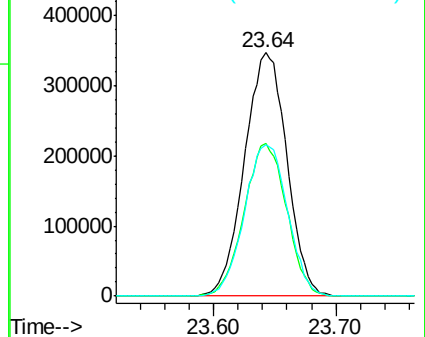
227 63.6 51.4 77.0

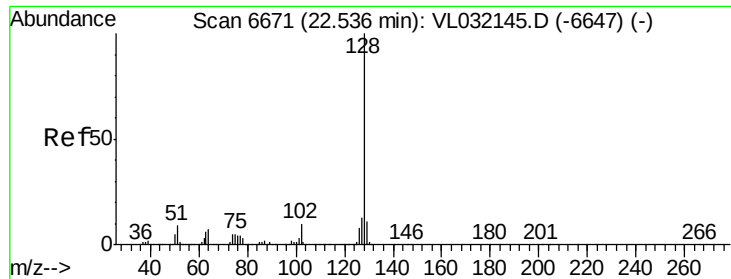


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.90 ppbv

RT: 22.54 min Scan# 6671

Delta R.T. -0.02 min

Lab File: VL032145.D

Acq: 29 Jun 2018 18:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:128 Resp: 4554474

Ion Ratio Lower Upper

128 100

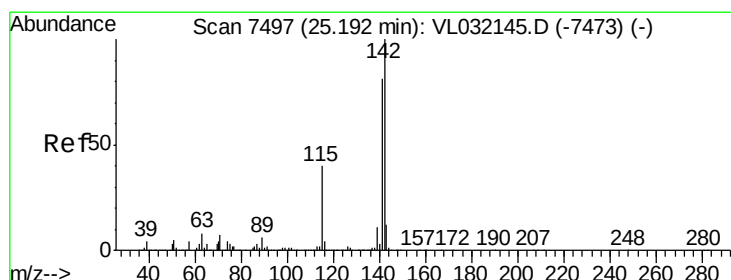
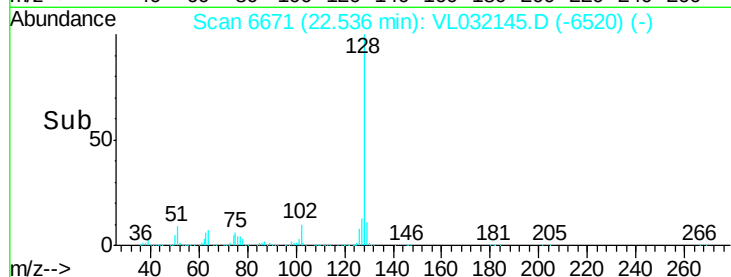
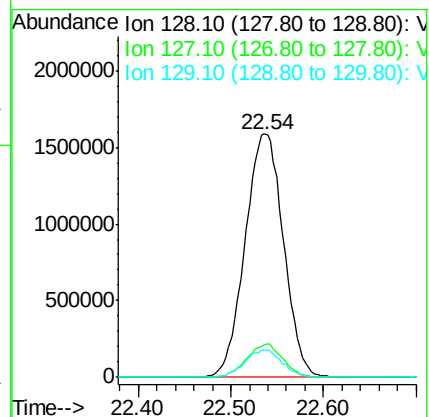
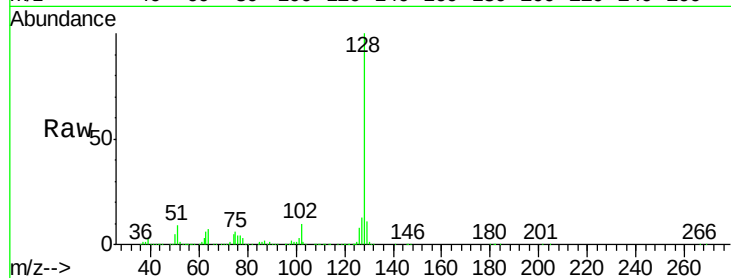
127 13.4 10.5 15.7

129 11.4 9.0 13.6

Manual Integrations
APPROVED

MMDadoda

7/2/2018 4:24:45 PM



#80

Naphthalene, 2-methyl-

Concen: 8.20 ppbv

RT: 25.19 min Scan# 7497

Delta R.T. -0.01 min

Lab File: VL032145.D

Acq: 29 Jun 2018 18:04

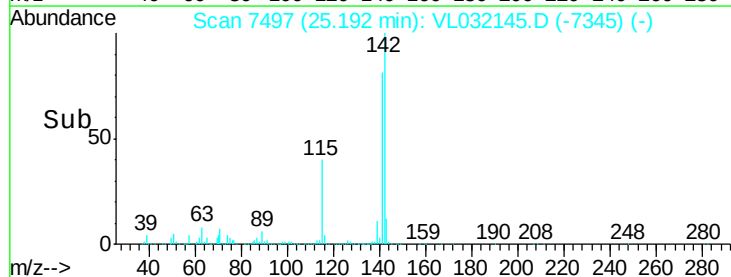
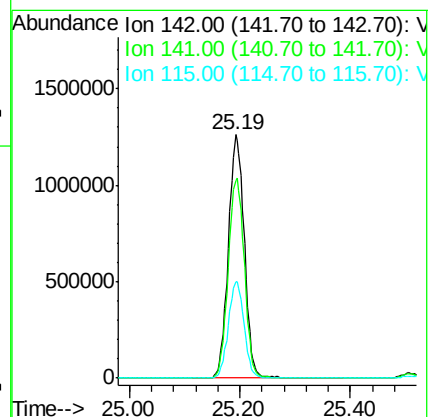
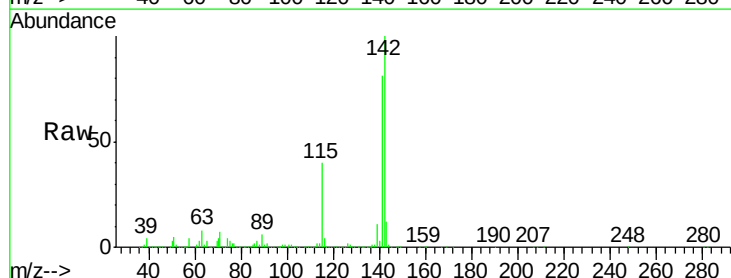
Tgt Ion:142 Resp: 2512684

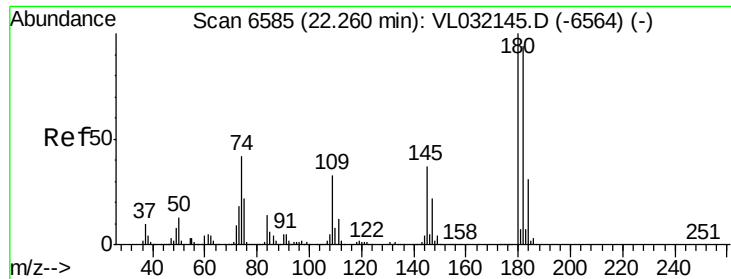
Ion Ratio Lower Upper

142 100

141 83.5 65.8 98.6

115 39.4 29.4 44.0





#81
 1,2,4-Trichlorobenzene
 Concen: 10.35 ppbv
 RT: 22.26 min Scan# 6585
 Delta R.T. -0.01 min
 Lab File: VL032145.D
 Acq: 29 Jun 2018 18:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.2	114.4
184	30.8	24.4	36.6

Manual Integrations
 APPROVED

MMDadoda
 7/2/2018 4:24:45 PM

