

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012819\
 Data File : VL033125.D
 Acq On : 29 Jan 2019 2:29
 Operator : SY/AP
 Sample : VL0128ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0128ABS01

Manual Integrations
 APPROVED

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 1/29/2019 2:38:30 PM

Quant Time: Jan 29 06:52:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL012819AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jan 29 2019
 QLast Update : Tue Jan 29 06:21:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1186912	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3045553	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2731897m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1987600	9.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	2388127	8.499	ppbv	100
3) Chlorodifluoromethane	3.01	51	1300797	8.261	ppbv	99
4) Chloromethane	3.17	50	707920	8.275	ppbv	98
5) Vinyl Chloride	3.29	62	739226	7.572	ppbv	98
6) Bromomethane	3.52	94	490788	8.527	ppbv	98
7) Chloroethane	3.60	64	283475	8.508	ppbv	95
8) Dichlorotetrafluoroethane	3.22	85	1899997	8.449	ppbv	99
9) Propene	3.04	41	534852	8.721	ppbv	98
10) Heptane	8.25	43	1407995	9.462	ppbv	99
11) Trichlorofluoromethane	4.00	101	2028754	8.470	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1406636	8.464	ppbv	99
13) Ethanol	3.65	45	142445	6.473	ppbv	99
14) Bromoethene	3.79	108	618245	8.589	ppbv	100
15) Acetone	3.90	43	1279011	7.980	ppbv	100
16) 1,3-Butadiene	3.36	39	618144	9.227	ppbv	93
17) tert-Butyl alcohol	4.36	59	304575	8.559	ppbv	99
18) 1,1-Dichloroethene	4.35	96	645186	8.746	ppbv	98
19) Isopropyl Alcohol	4.03	45	885659	8.114	ppbv #	99
20) Methylene Chloride	4.41	84	553157	7.601	ppbv	99
21) Allyl Chloride	4.48	41	1004010	8.991	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	666171	8.990	ppbv	97
23) Vinyl Acetate	5.16	43	2052779	9.058	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1570094	8.555	ppbv	99
25) Ethyl Acetate	5.77	43	2455822	8.614	ppbv	100
26) Hexane	5.78	57	1151228	8.418	ppbv	99
27) Carbon Disulfide	4.62	76	1649708	9.240	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1957775	9.124	ppbv	99
29) Chloroform	5.85	83	1929307	8.562	ppbv	96
30) Cyclohexane	7.25	84	1016424	9.895	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	1173590	9.400	ppbv	94
32) 1,1,1-Trichloroethane	6.62	97	2042526	7.006	ppbv	99
34) 2-Butanone	5.33	43	1565203	9.056	ppbv	99
35) Carbon Tetrachloride	7.14	117	2383281	8.547	ppbv	99
36) Benzene	7.01	78	2617279	9.738	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1472299	8.314	ppbv	99
38) Trichloroethene	7.96	130	995932	9.117	ppbv	92
39) 1,2-Dichloropropane	7.74	63	873972	9.234	ppbv	95
40) 1,4-Dioxane	7.96	88	326913	9.046	ppbv	94
41) Tetrahydrofuran	6.15	42	898783	9.240	ppbv	99
42) Bromodichloromethane	7.92	83	2098964	8.937	ppbv	96
43) Methyl Methacrylate	8.14	69	934773	9.936	ppbv	99

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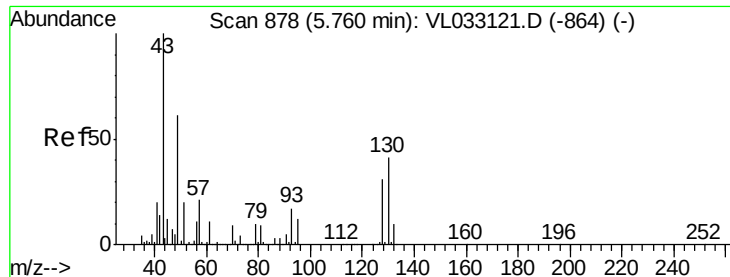
Manual Integrations
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Quant Time: Jan 29 06:52:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL012819AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3946129	9.298	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1271233	11.020	ppbv	100
46) cis-1,3-Dichloropropene	8.84	75	1468187	10.647	ppbv	99
47) 1,1,2-Trichloroethane	9.62	97	899774	8.200	ppbv	96
48) Dibromochloromethane	10.45	129	1660810	8.577	ppbv	100
49) Bromoform	13.21	173	1399200	8.648	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	2239778	9.709	ppbv	100
51) 2-Hexanone	10.27	43	1512549	9.407	ppbv #	100
52) Tetrachloroethene	11.37	164	779297	8.719	ppbv	98
53) Toluene	9.95	91	2506760	9.329	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1383307	8.778	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.28	131	1187683	8.808	ppbv	97
57) Chlorobenzene	12.30	112	1938622	8.873	ppbv	98
58) Ethyl Benzene	12.87	91	3345029	10.381	ppbv	99
59) m/p-Xylene	13.15	91	5711244m	19.137	ppbv	
60) o-Xylene	13.85	91	2786548	9.011	ppbv	99
61) Styrene	13.69	104	2111183m	10.692	ppbv	
62) Isopropylbenzene	14.82	105	3983018	9.090	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1921915	7.803	ppbv	100
64) n-propylbenzene	15.73	120	1019341	9.586	ppbv	99
65) tert-Butylbenzene	16.91	119	3536487	9.607	ppbv	99
66) Benzyl Chloride	17.16	91	2094723	10.570	ppbv	100
67) sec-Butylbenzene	17.46	105	4946861	9.362	ppbv	100
69) p-Isopropyltoluene	17.82	119	4075198	9.032	ppbv	100
70) n-Butylbenzene	18.71	91	4044363	9.870	ppbv	100
71) 2-Chlorotoluene	15.62	91	2914381	9.754	ppbv	100
72) 4-Ethyltoluene	16.00	105	3246858	9.978	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	3074076	9.659	ppbv	98
74) 1,2,4-Trimethylbenzene	16.93	105	3192874	9.473	ppbv	96
75) 1,3-Dichlorobenzene	17.17	146	1784790	8.767	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1749060	9.322	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1718266	8.397	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	846684	7.063	ppbv	100
79) Naphthalene	22.42	128	2537181	12.235	ppbv	99
80) Naphthalene, 2-methyl-	25.12	142	744851	14.388	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1219373	11.540	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion: 49 Resp: 1186912

Ion Ratio Lower Upper

49 100

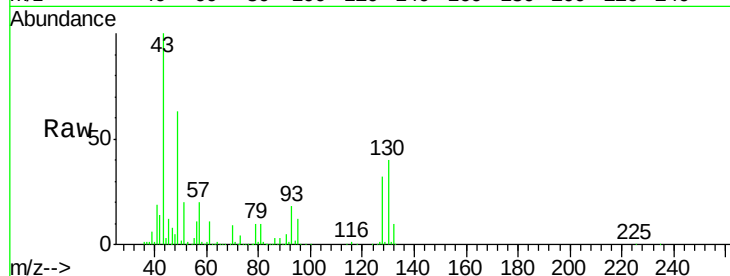
128 52.6 25.9 77.7

130 67.2 32.9 98.7

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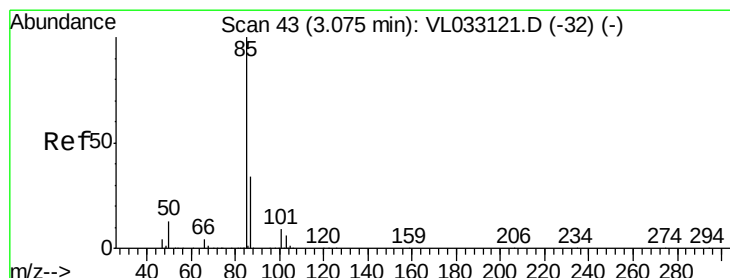
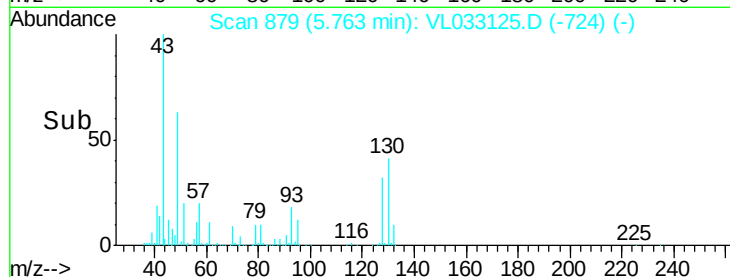
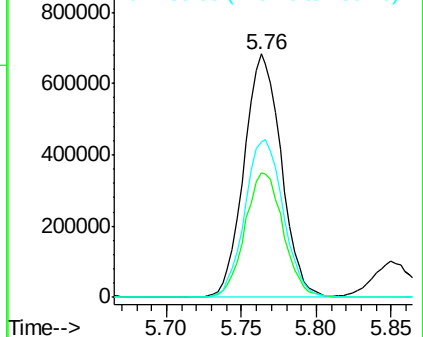
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.499 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033125.D

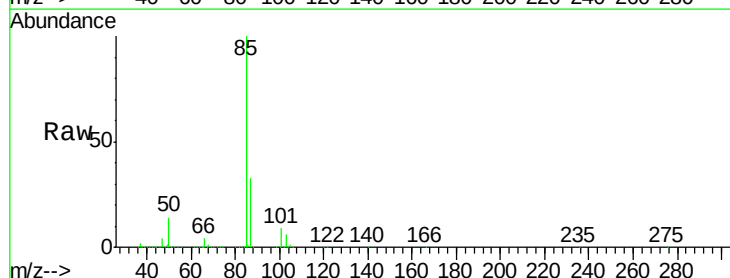
Acq: 29 Jan 2019 2:29

Tgt Ion: 85 Resp: 2388127

Ion Ratio Lower Upper

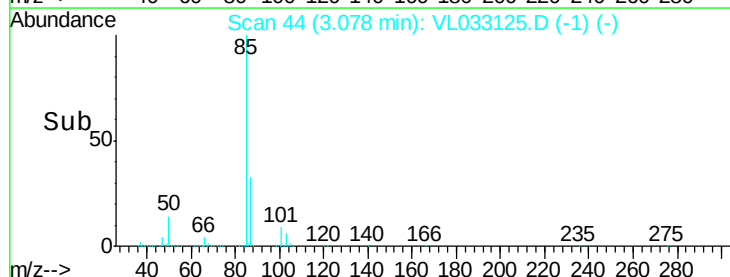
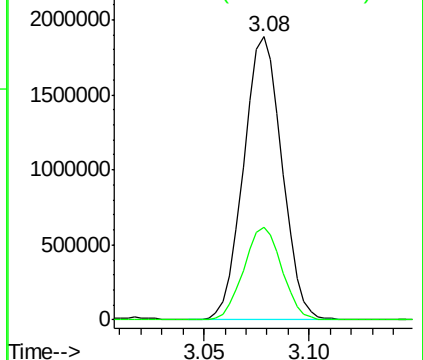
85 100

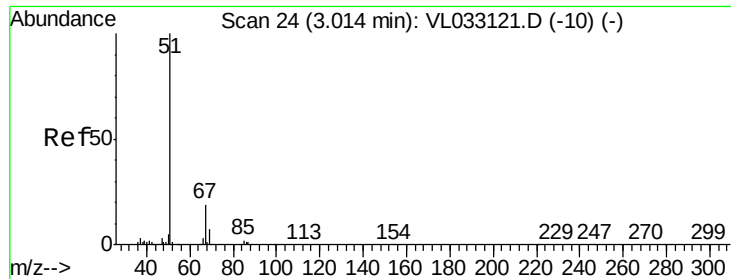
87 32.9 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.261 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Tot Ion: 51 Resp: 1300797

Ion Ratio Lower Upper

51 100

67 20.7 16.2 24.2

Instrument :

MSVOA_L

ClientSampleId :

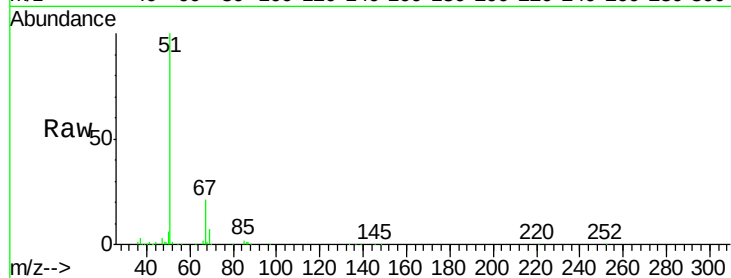
VL0128ABS01

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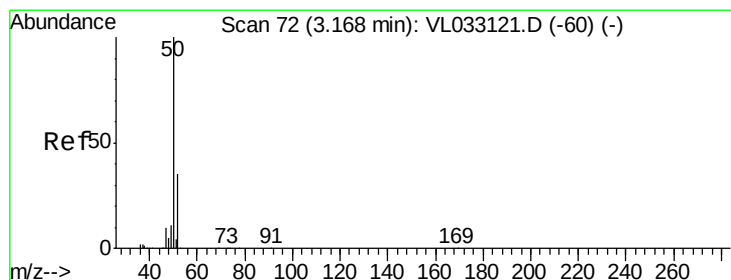
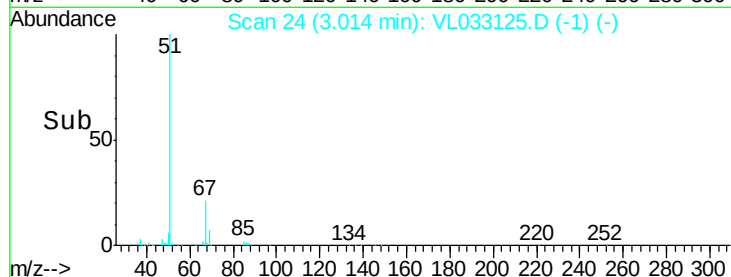
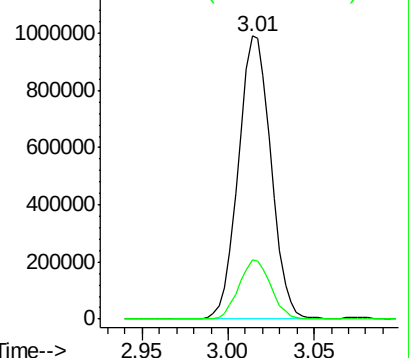
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.275 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL033125.D

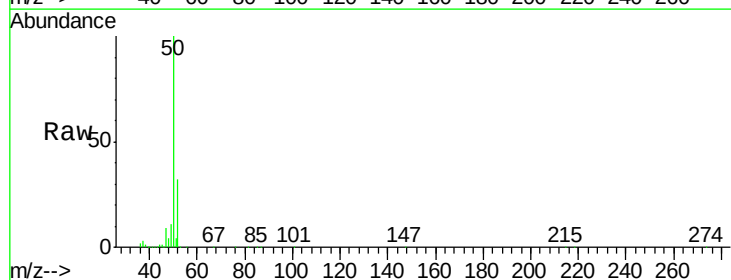
Acq: 29 Jan 2019 2:29

Tgt Ion: 50 Resp: 707920

Ion Ratio Lower Upper

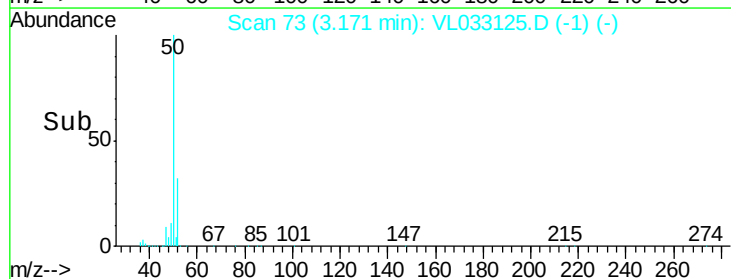
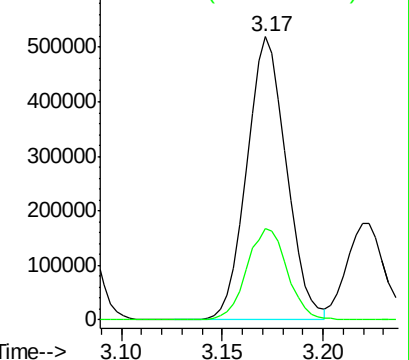
50 100

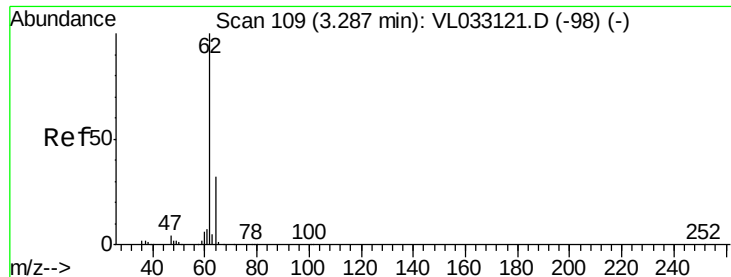
52 32.3 27.0 40.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 7.572 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion: 62 Resp: 739226

Ion Ratio Lower Upper

62 100

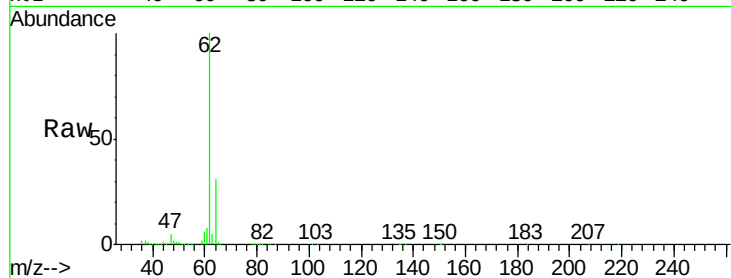
64 31.1 25.7 38.5

Manual Integrations

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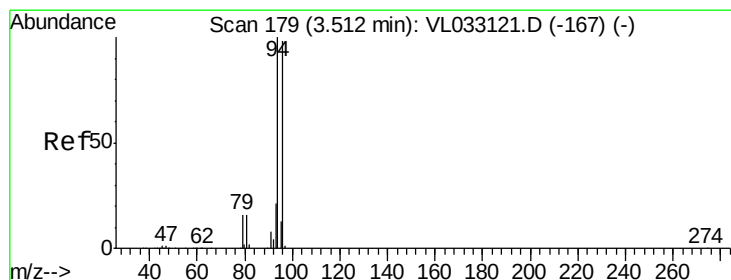
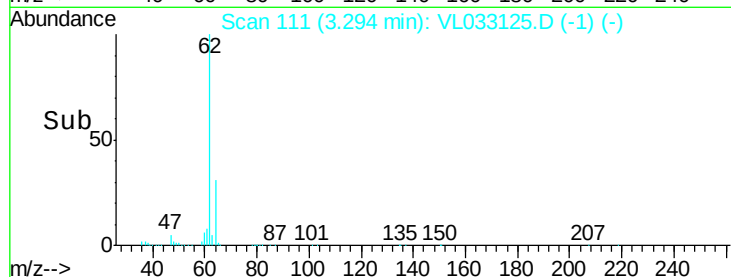
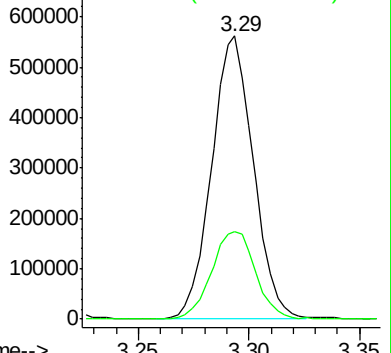
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.527 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033125.D

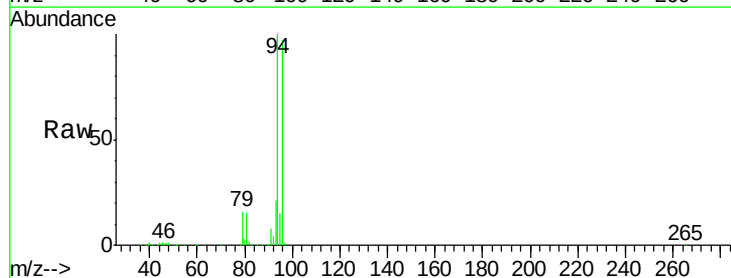
Acq: 29 Jan 2019 2:29

Tgt Ion: 94 Resp: 490788

Ion Ratio Lower Upper

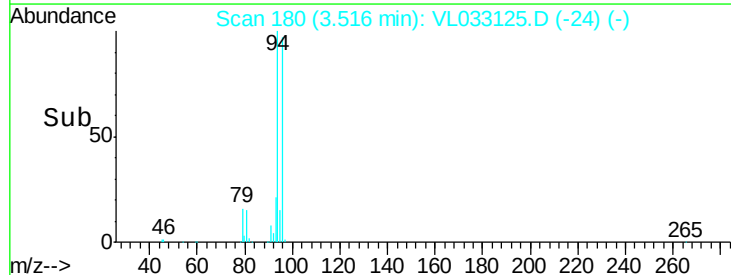
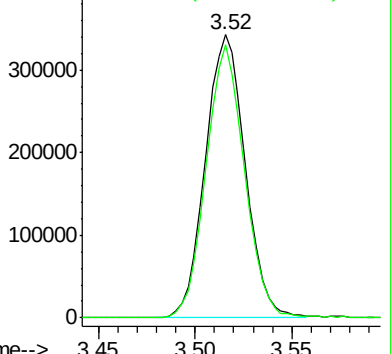
94 100

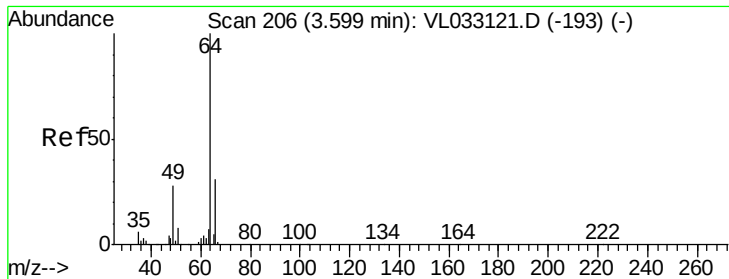
96 96.5 75.4 113.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.508 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion: 64 Resp: 283475

Ion Ratio Lower Upper

64 100

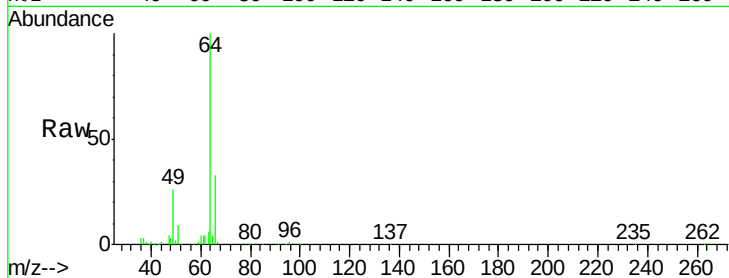
66 32.5 24.0 36.0

Manual Integrations

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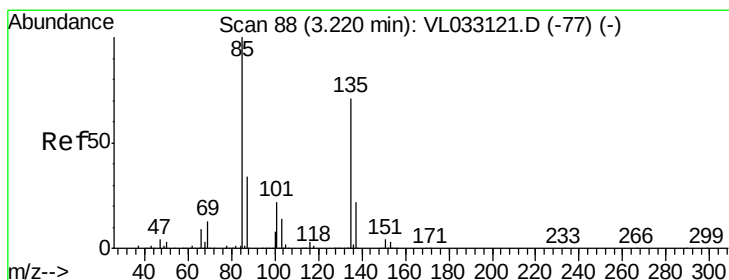
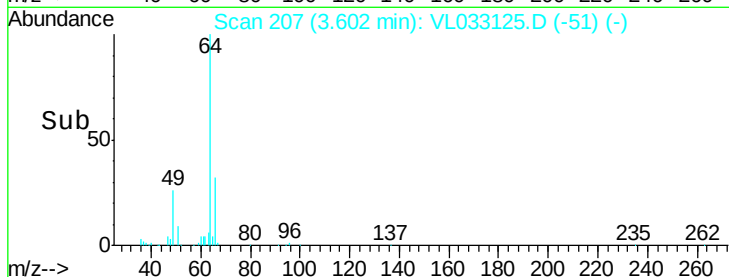
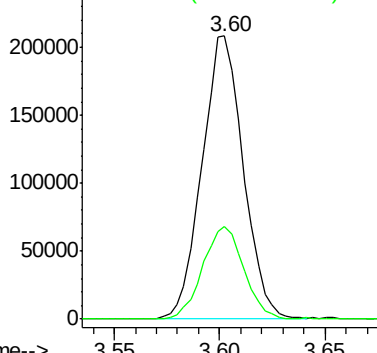
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.449 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033125.D

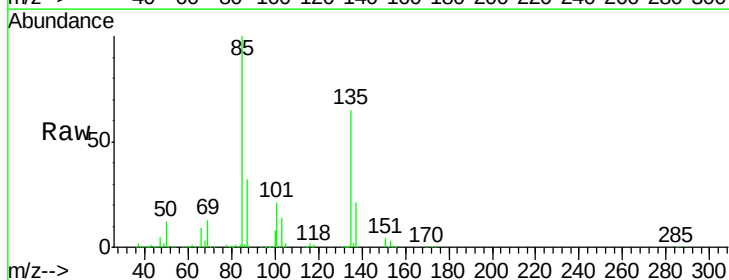
Acq: 29 Jan 2019 2:29

Tgt Ion: 85 Resp: 1899997

Ion Ratio Lower Upper

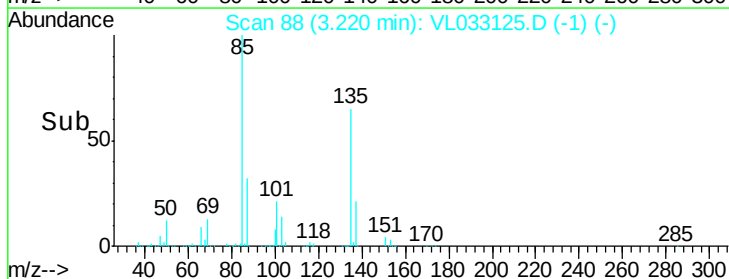
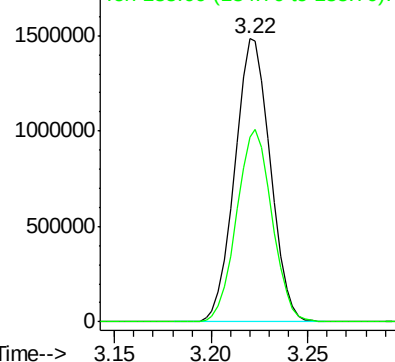
85 100

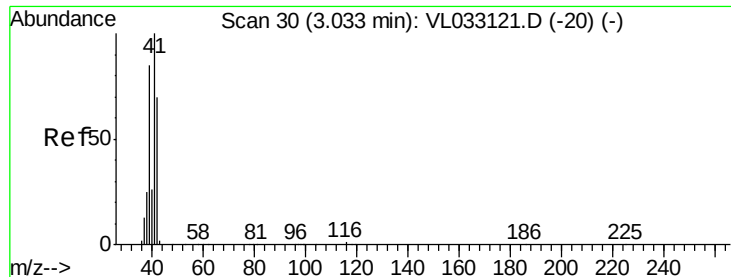
135 68.0 54.8 82.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 8.721 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion: 41 Resp: 534852

Ion Ratio Lower Upper

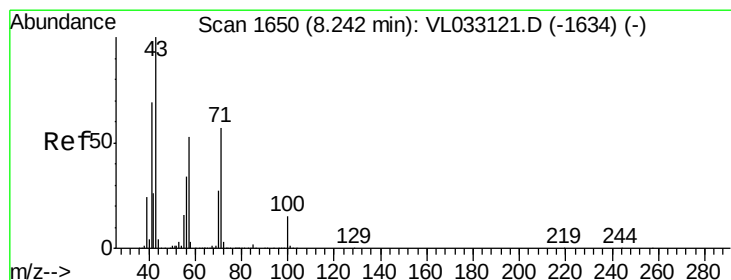
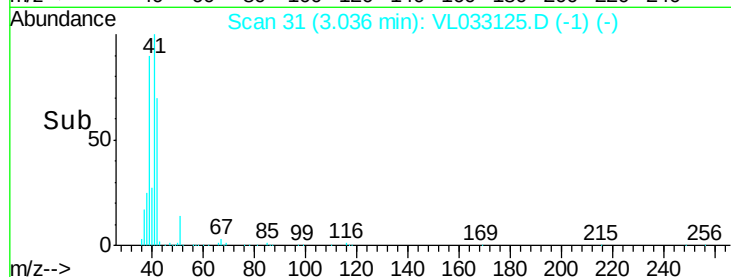
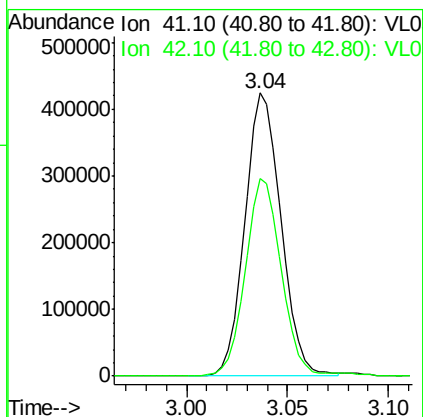
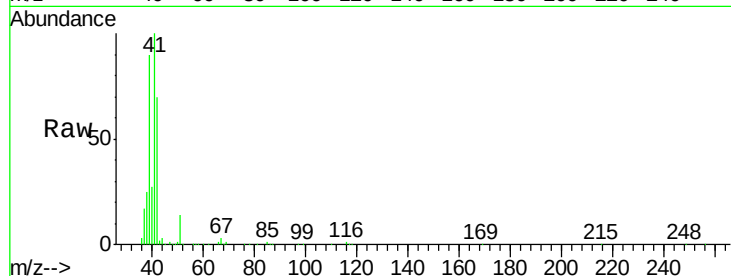
41 100

42 69.9 54.6 82.0

Manual Integrations
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#10

Heptane

Concen: 9.462 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.00 min

Lab File: VL033125.D

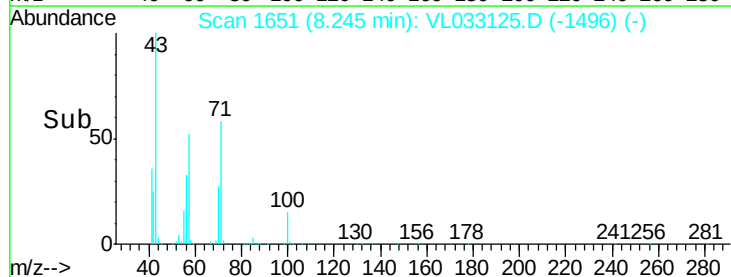
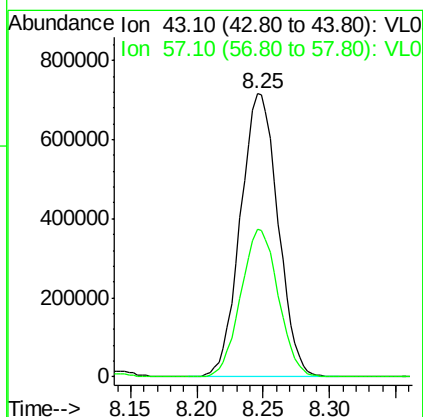
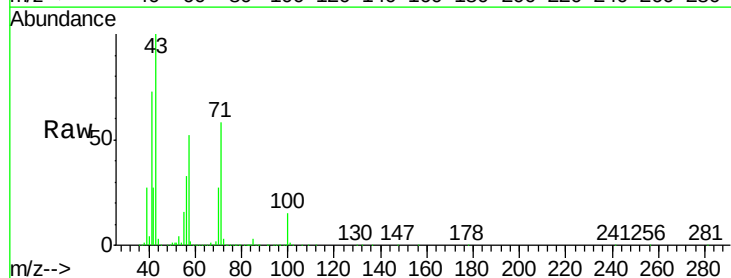
Acq: 29 Jan 2019 2:29

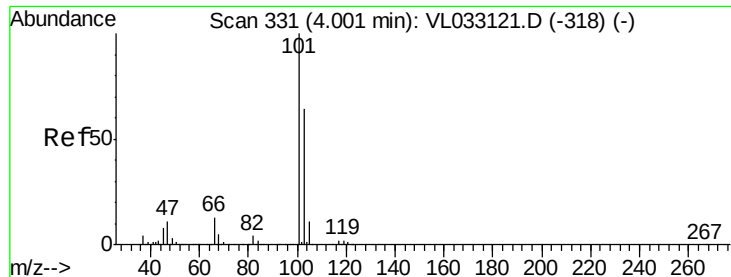
Tgt Ion: 43 Resp: 1407995

Ion Ratio Lower Upper

43 100

57 52.2 42.2 63.2





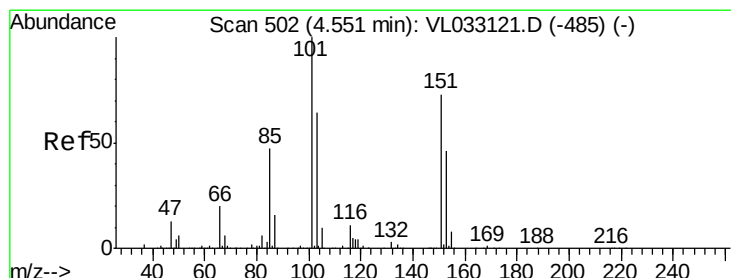
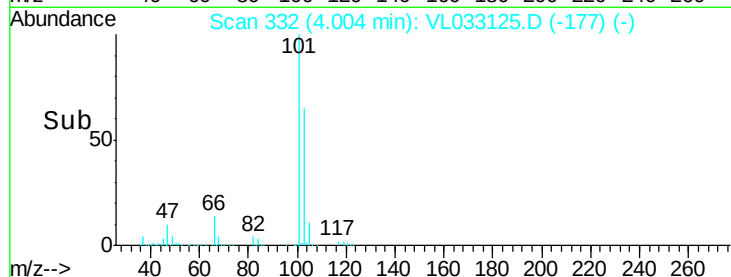
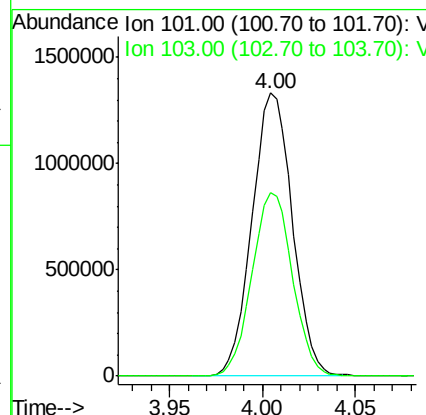
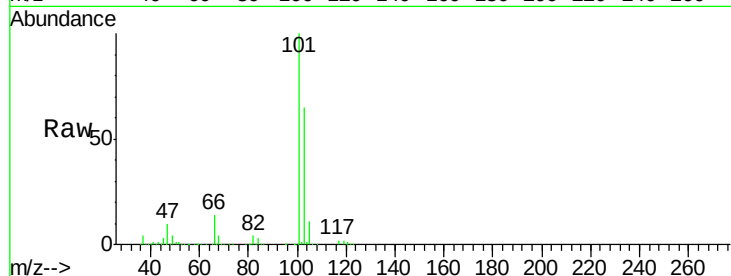
#11
 Trichlorofluoromethane
 Concen: 8.470 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. -0.00 min
 Lab File: VL033125.D
 Acq: 29 Jan 2019 2:29

Instrument :
 MSVOA_L
 ClientSampled :
 VL0128ABS01

Tot Ion:101 Resp: 2028754
 Ion Ratio Lower Upper
 101 100
 103 64.6 49.4 74.0

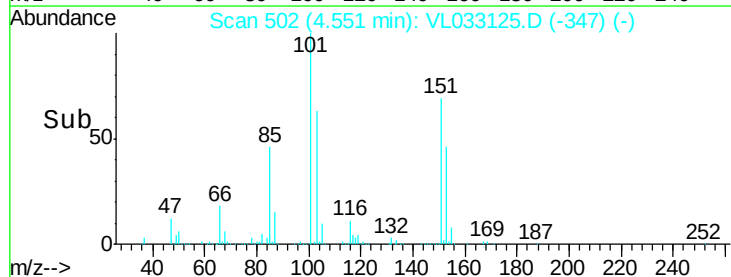
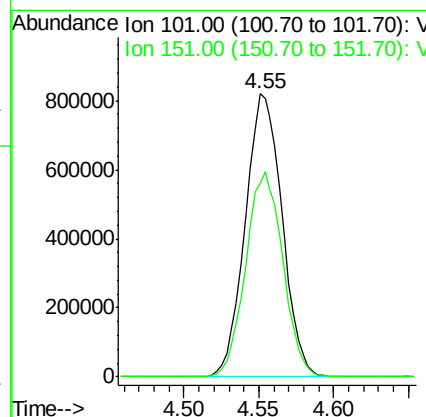
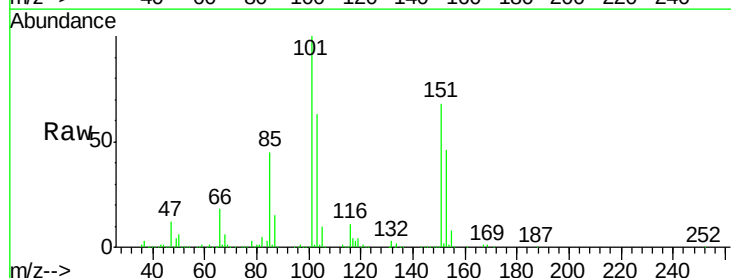
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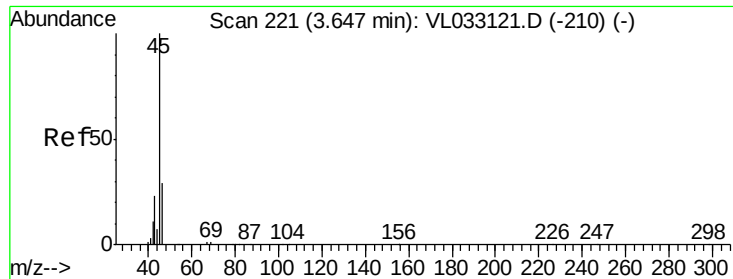
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.464 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033125.D
 Acq: 29 Jan 2019 2:29

Tgt Ion:101 Resp: 1406636
 Ion Ratio Lower Upper
 101 100
 151 73.0 57.9 86.9





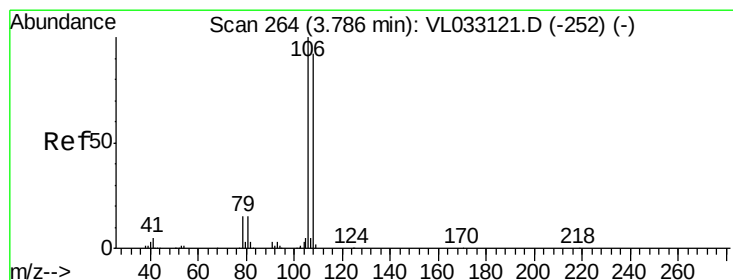
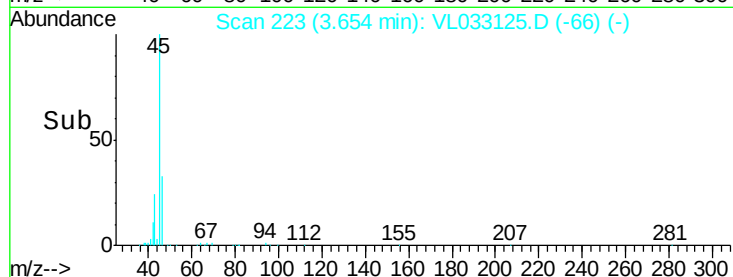
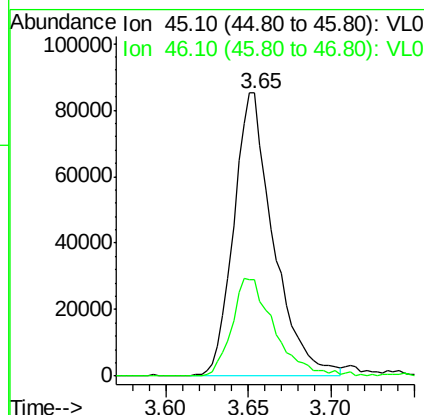
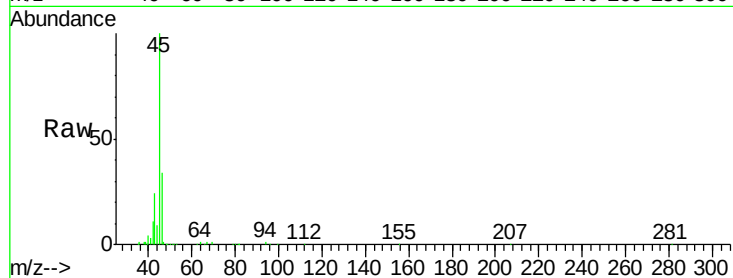
#13
Ethanol
Concen: 6.473 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.01 min
Lab File: VL033125.D
Acq: 29 Jan 2019 2:29

Instrument :
MSVOA_L
ClientSampleId :
VL0128ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	37.1	15.0	60.2

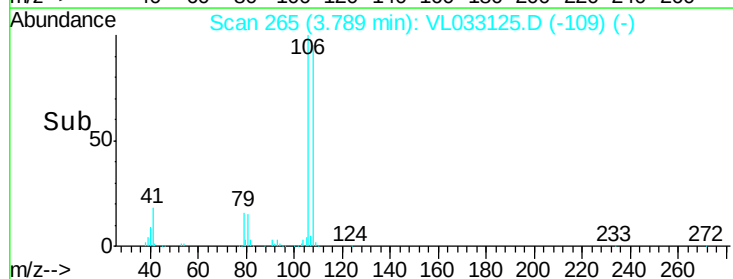
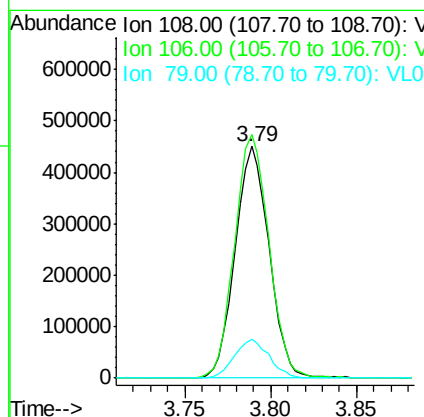
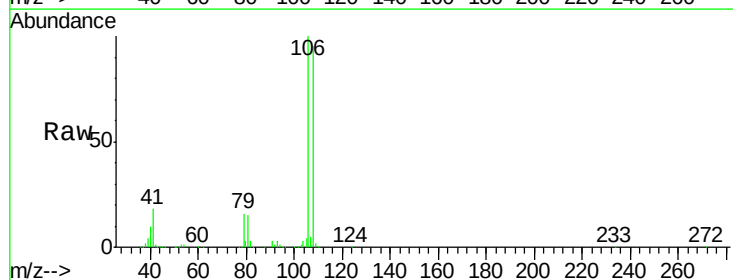
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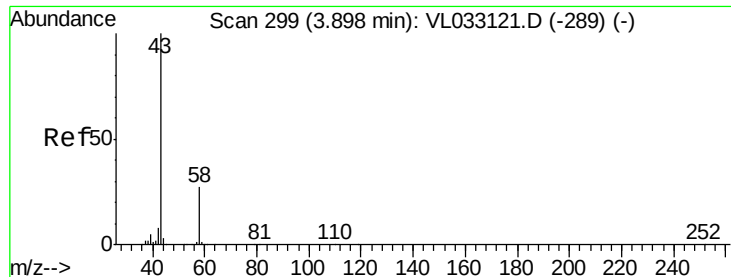
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#14
Bromoethene
Concen: 8.589 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033125.D
Acq: 29 Jan 2019 2:29

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.9	85.5	128.3
79	17.4	13.8	20.6





#15

Acetone

Concen: 7.980 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Tot Ion: 43 Resp: 1279011

Ion Ratio Lower Upper

43 100

58 26.3 21.1 31.7

Instrument :

MSVOA_L

ClientSampleId :

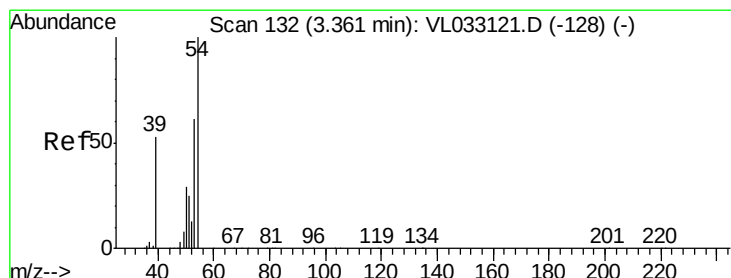
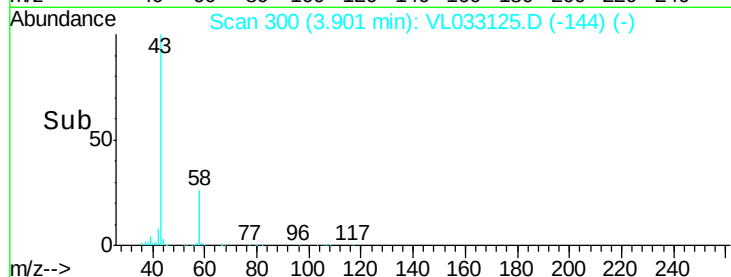
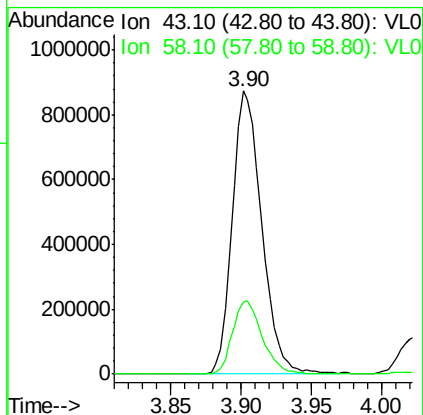
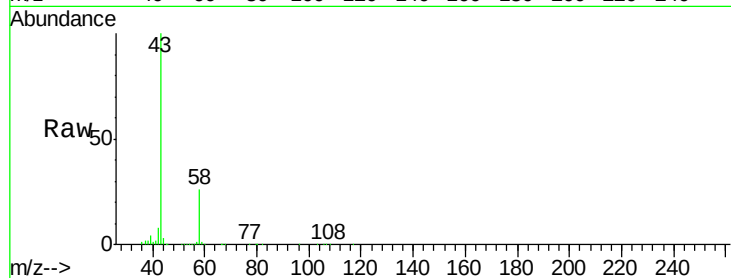
VL0128ABS01

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#16

1,3-Butadiene

Concen: 9.227 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL033125.D

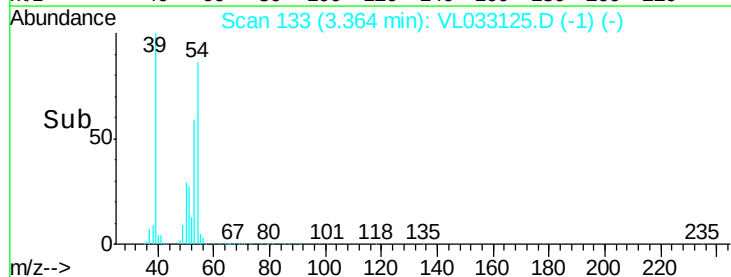
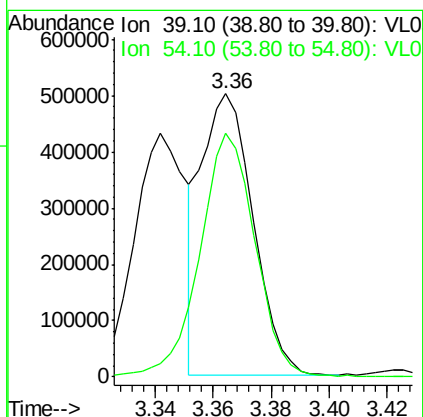
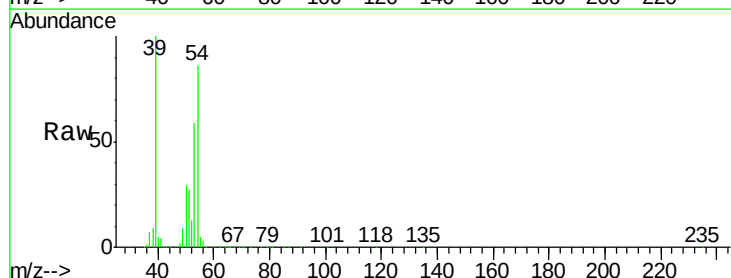
Acq: 29 Jan 2019 2:29

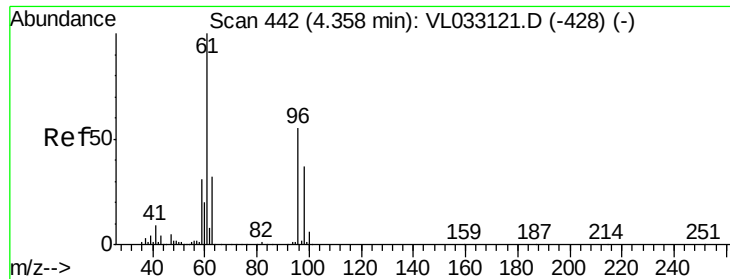
Tgt Ion: 39 Resp: 618144

Ion Ratio Lower Upper

39 100

54 93.2 80.0 120.0





#17

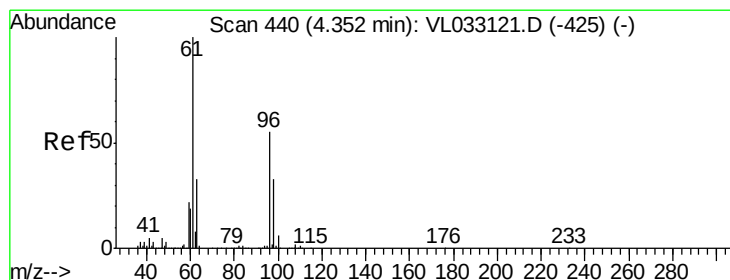
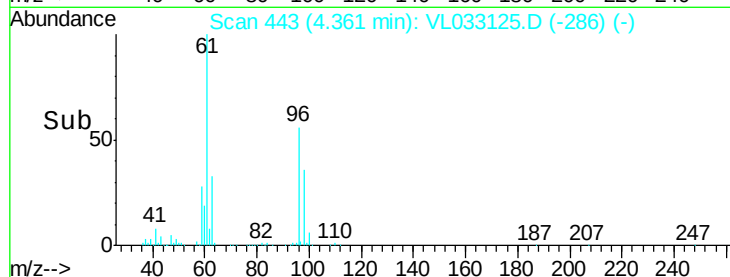
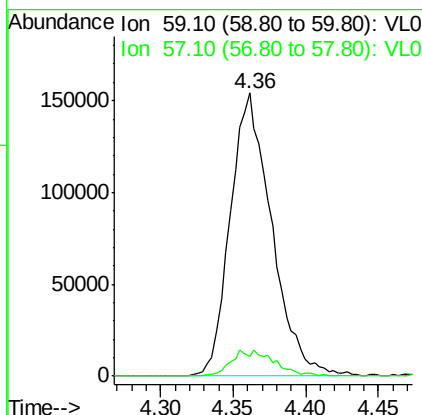
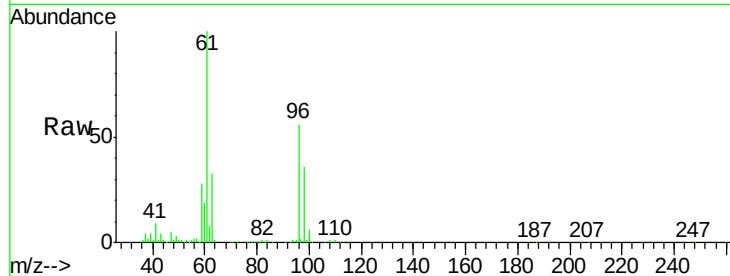
tert-Butyl alcohol
Concen: 8.559 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.01 min
Lab File: VL033125.D
Acq: 29 Jan 2019 2:29

Instrument :
MSVOA_L
ClientSampleId :
VL0128ABS01

Tot Ion: 59 Resp: 304575
Ion Ratio Lower Upper
59 100
57 9.7 7.4 11.2

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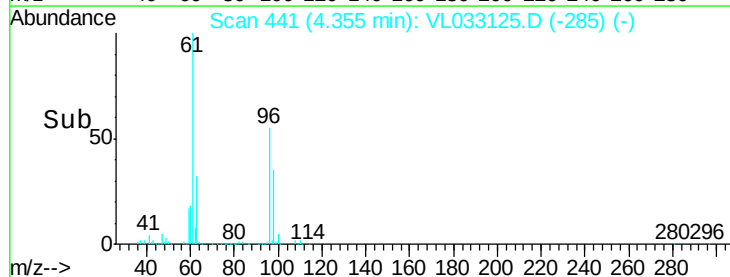
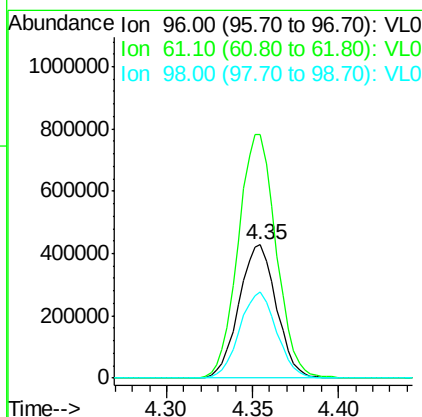
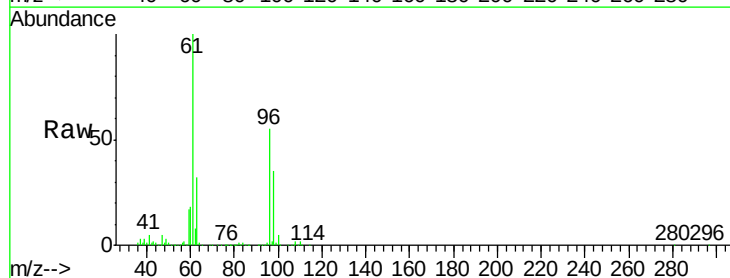
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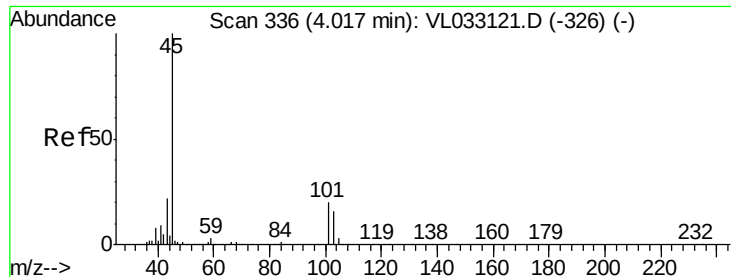


#18

1,1-Dichloroethene
Concen: 8.746 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.00 min
Lab File: VL033125.D
Acq: 29 Jan 2019 2:29

Tgt Ion: 96 Resp: 645186
Ion Ratio Lower Upper
96 100
61 182.4 142.6 213.8
98 64.5 51.4 77.0





#19

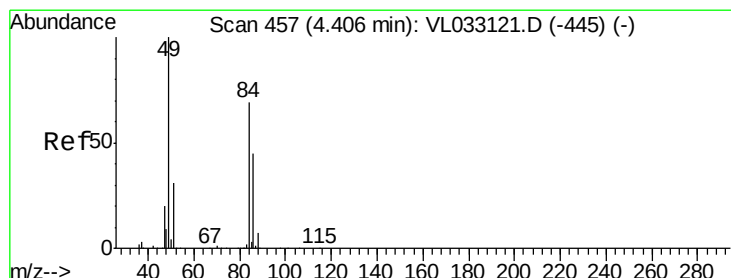
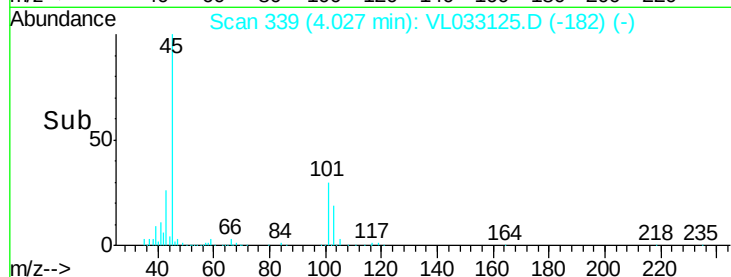
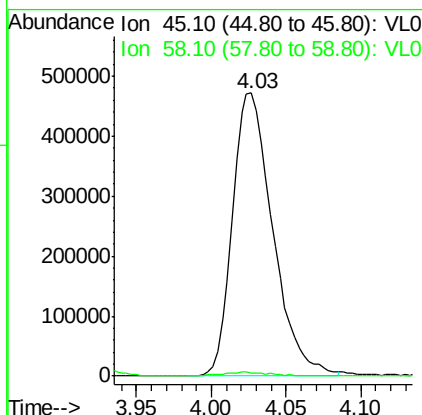
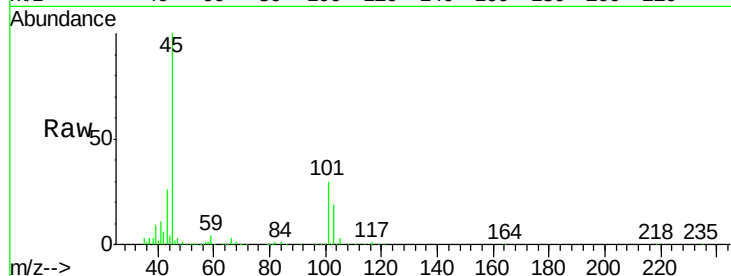
Isopropyl Alcohol
 Concen: 8.114 ppbv
 RT: 4.03 min Scan# 339
 Delta R.T. 0.01 min
 Lab File: VL033125.D
 Acq: 29 Jan 2019 2:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0128ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.2	1.4	2.2#

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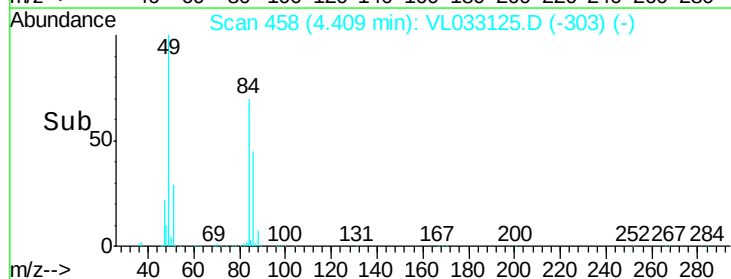
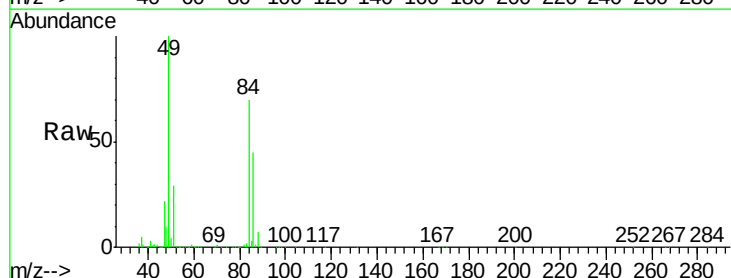
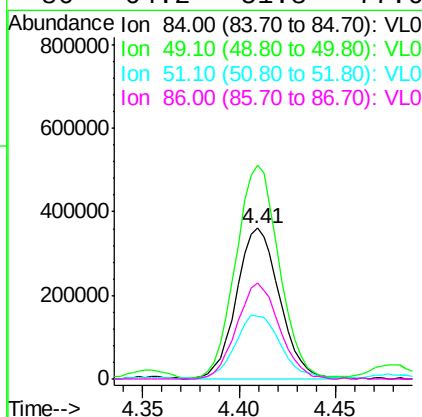
apatel
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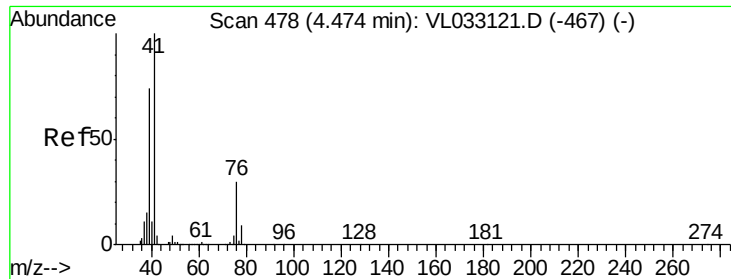


#20

Methylene Chloride
 Concen: 7.601 ppbv
 RT: 4.41 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VL033125.D
 Acq: 29 Jan 2019 2:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.1	113.8	170.6
51	41.1	34.5	51.7
86	64.2	51.8	77.6





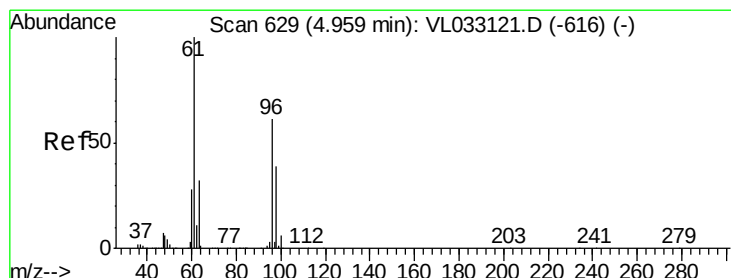
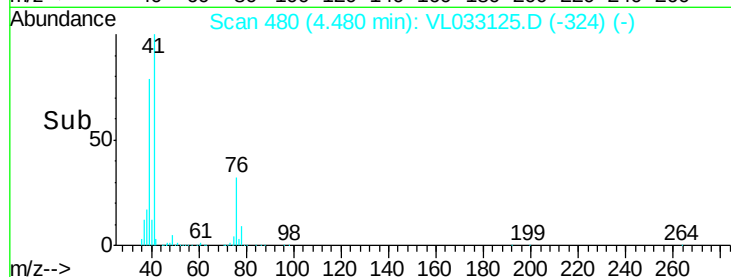
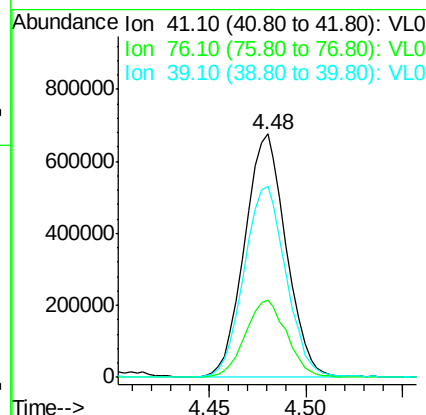
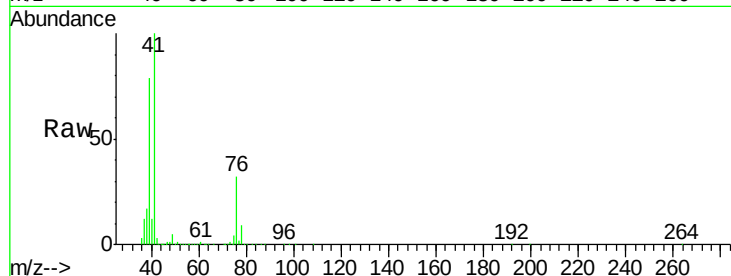
#21
Allvl Chloride
Concen: 8.991 ppbv
RT: 4.48 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL033125.D
Acq: 29 Jan 2019 2:29

Instrument :
MSVOA_L
ClientSampleId :
VL0128ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	32.0	24.6	37.0
39	79.9	63.3	94.9

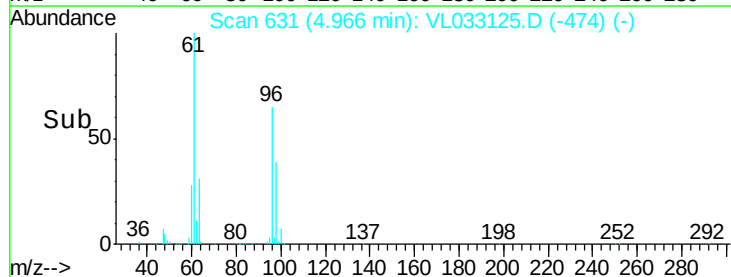
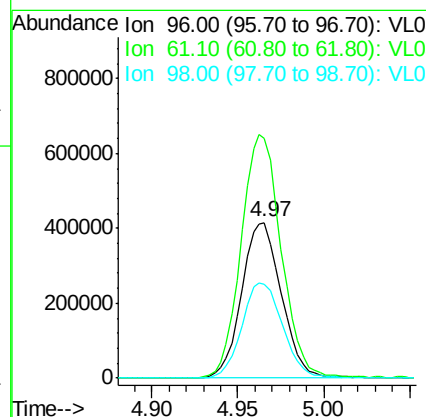
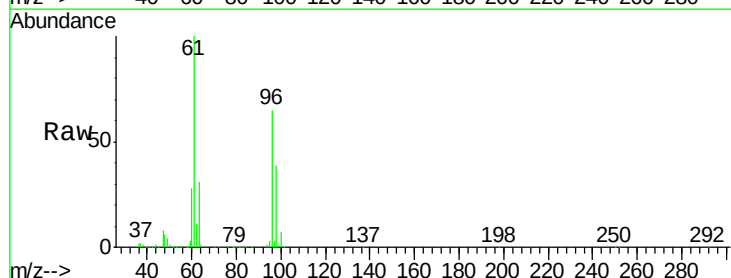
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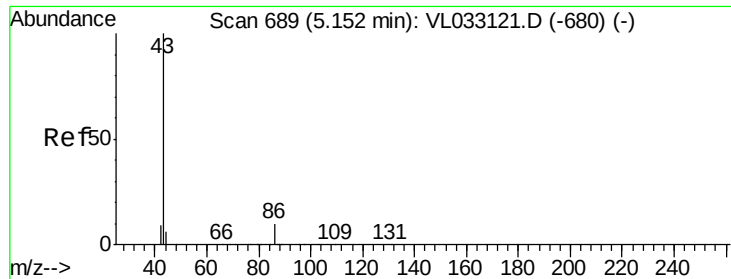
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#22
trans-1,2-Dichloroethene
Concen: 8.990 ppbv
RT: 4.97 min Scan# 631
Delta R.T. 0.01 min
Lab File: VL033125.D
Acq: 29 Jan 2019 2:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.9	127.6	191.4
98	60.3	48.6	73.0





#23

Vinyl Acetate

Concen: 9.058 ppbv

RT: 5.16 min Scan# 690

Delta R.T. 0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion: 43 Resp: 2052779

Ion Ratio Lower Upper

43 100

86 8.3 6.7 10.1

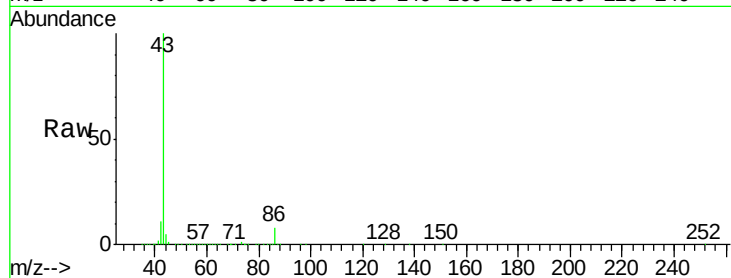
42 10.5 8.1 12.1

44 5.3 4.3 6.5

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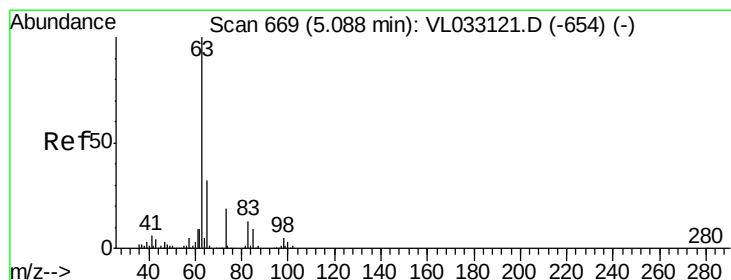
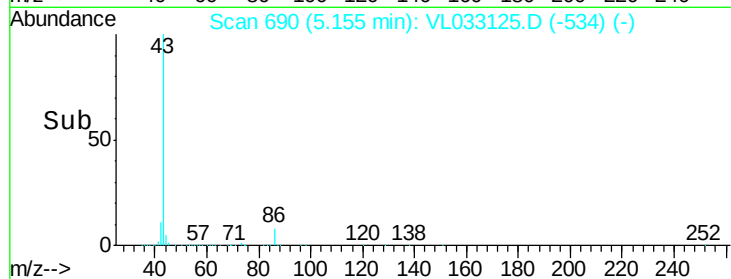
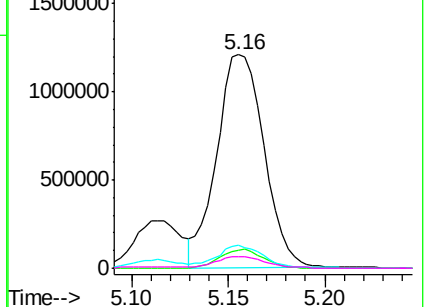


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.555 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

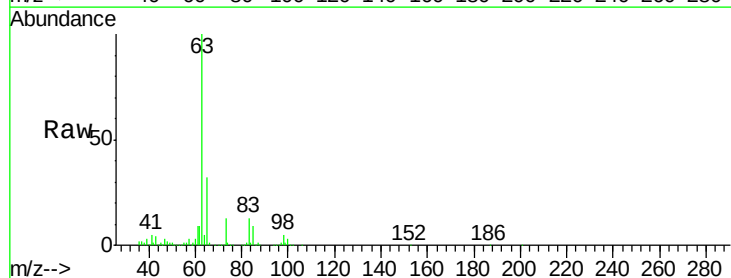
Tgt Ion: 63 Resp: 1570094

Ion Ratio Lower Upper

63 100

98 4.5 2.5 7.4

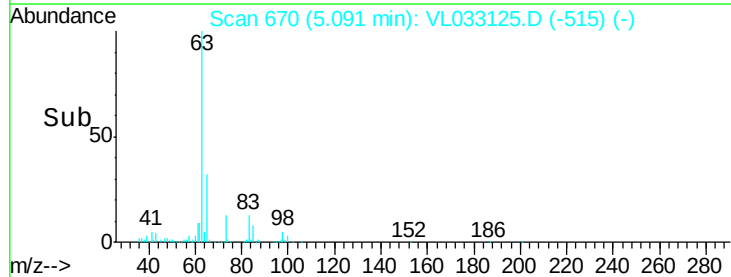
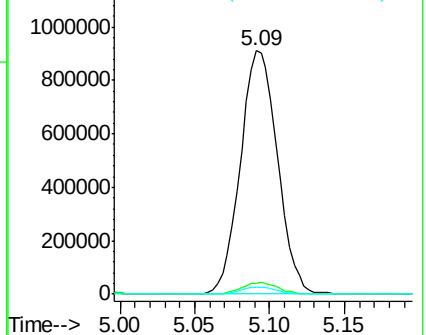
100 2.7 1.4 4.2

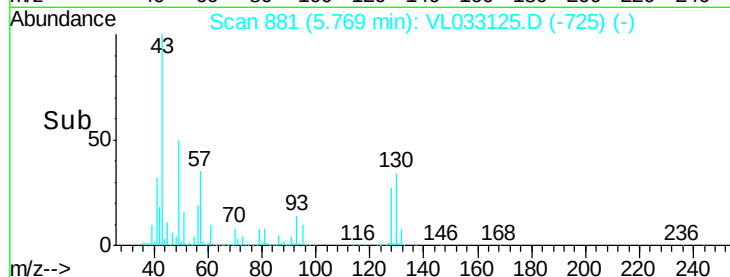
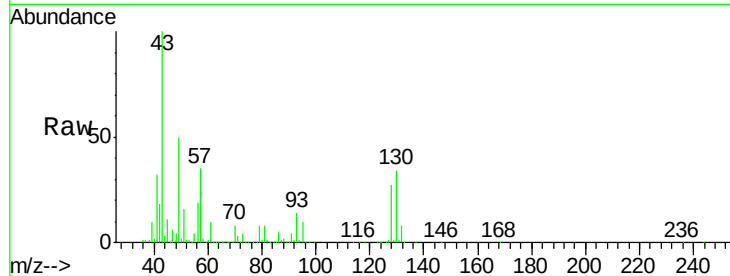
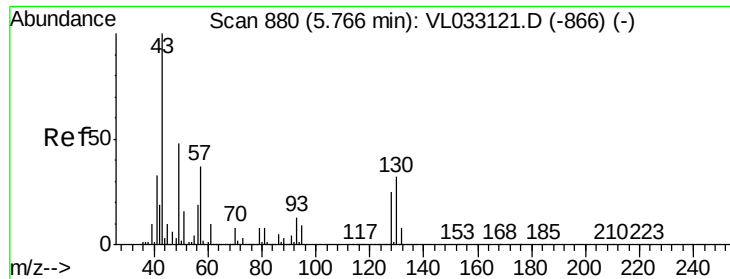


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





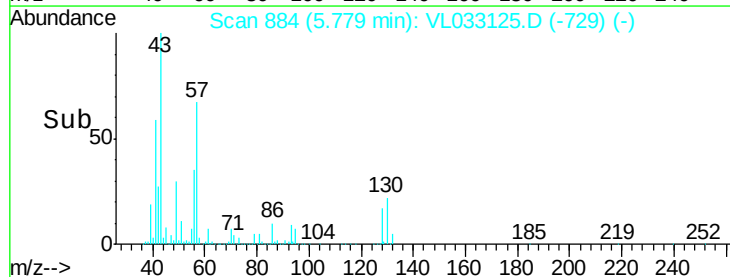
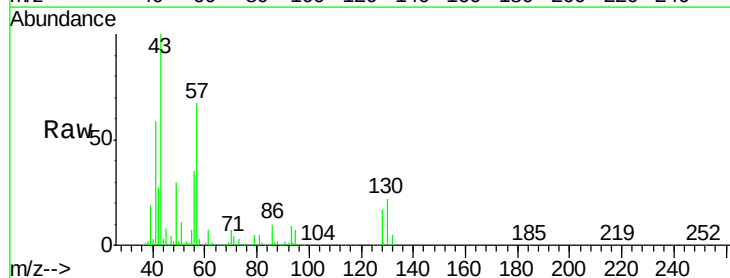
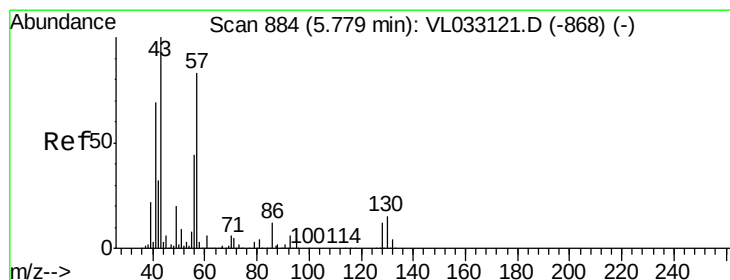
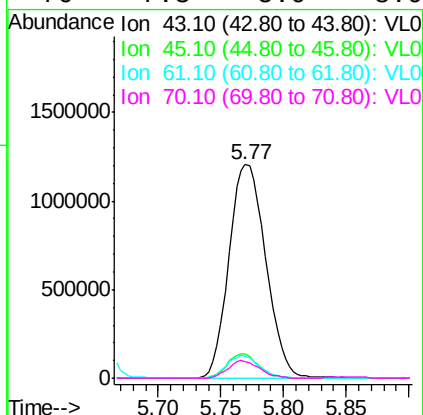
#25
Ethyl Acetate
Concen: 8.614 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033125.D
Acq: 29 Jan 2019 2:29

Tot Ion	43	Resp	2455822
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.0	12.0
61	9.3	7.6	11.4
70	7.3	5.9	8.9

Instrument :
MSVOA_L
ClientSampleId :
VL0128ABS01

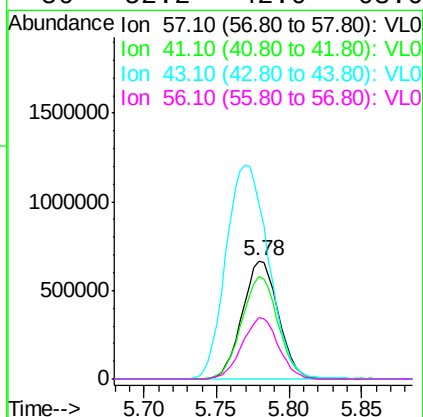
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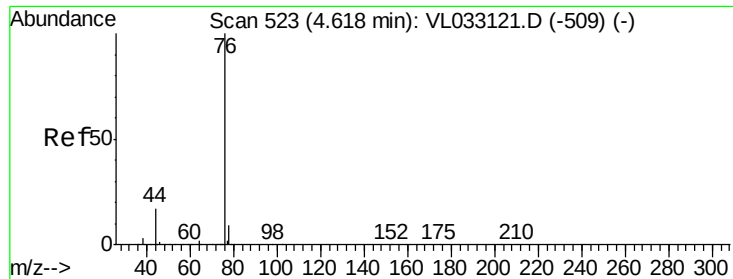
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#26
Hexane
Concen: 8.418 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033125.D
Acq: 29 Jan 2019 2:29

Tgt Ion	57	Resp	1151228
Ion	Ratio	Lower	Upper
57	100		
41	87.7	69.9	104.9
43	214.3	169.0	253.4
56	52.2	42.0	63.0





#27

Carbon Disulfide

Concen: 9.240 ppbv

RT: 4.62 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion: 76 Resp: 1649708

Ion Ratio Lower Upper

76 100

44 18.5 15.0 22.4

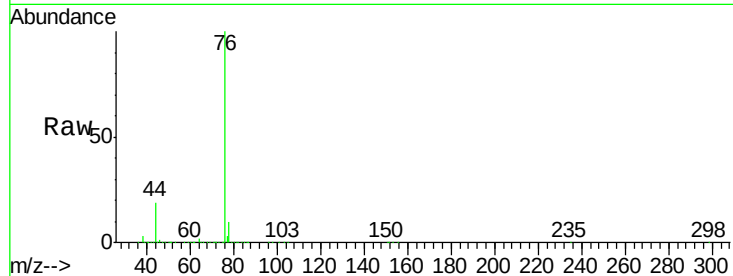
78 9.0 7.6 11.4

Manual Integrations

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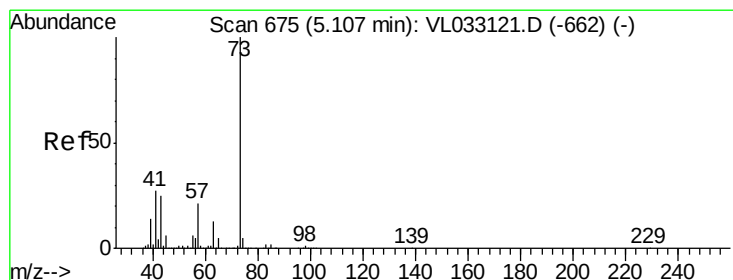
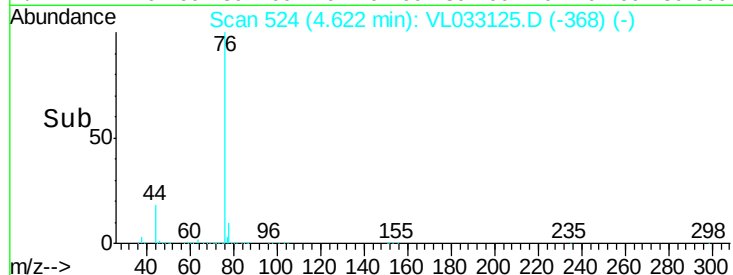
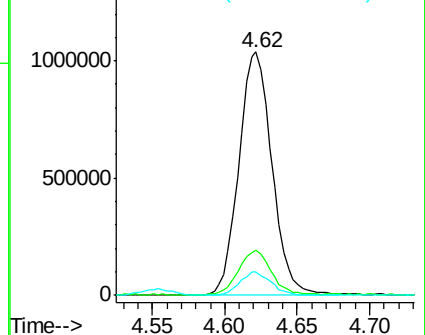
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.124 ppbv

RT: 5.11 min Scan# 677

Delta R.T. 0.00 min

Lab File: VL033125.D

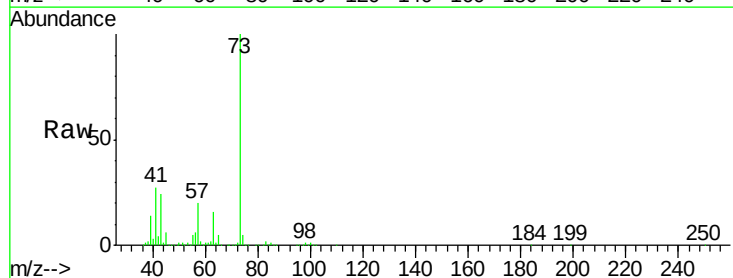
Acq: 29 Jan 2019 2:29

Tgt Ion: 73 Resp: 1957775

Ion Ratio Lower Upper

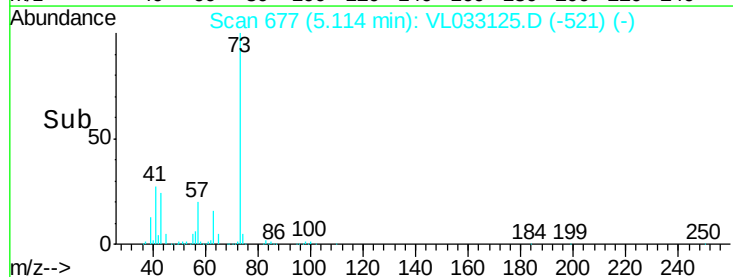
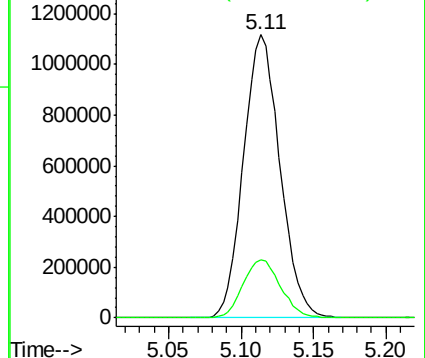
73 100

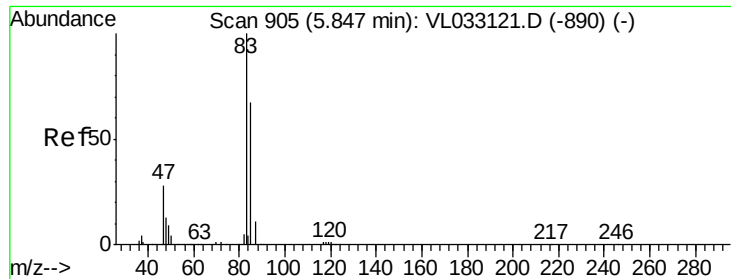
57 21.3 17.6 26.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





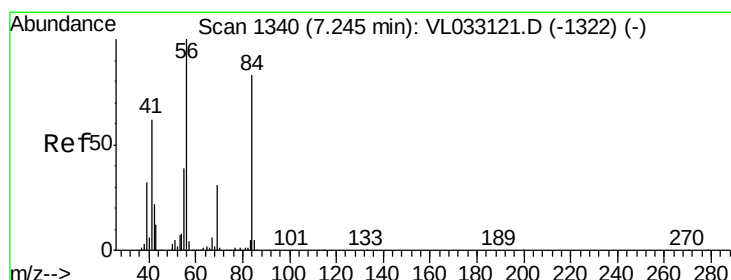
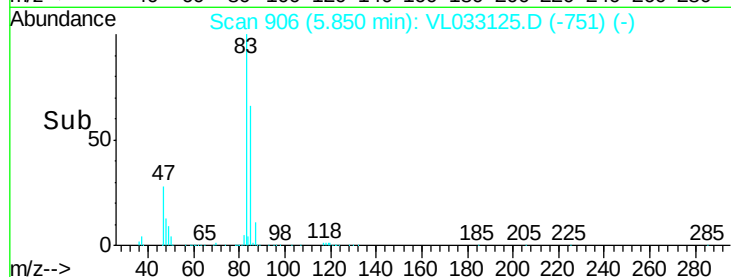
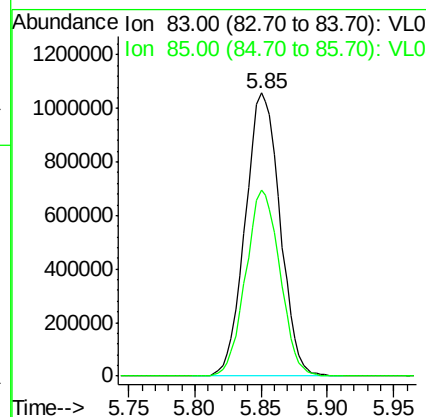
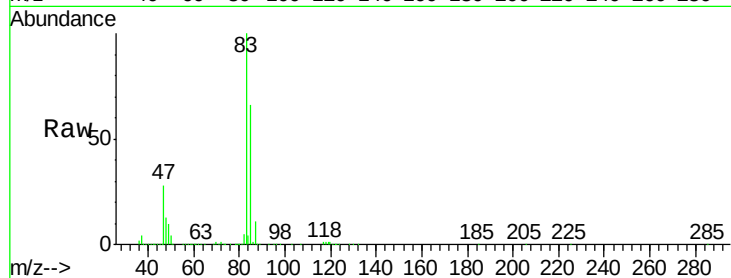
#29
Chloroform
Concen: 8.562 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033125.D
Acq: 29 Jan 2019 2:29

Instrument :
MSVOA_L
ClientSampleId :
VL0128ABS01

Tot Ion: 83 Resp: 1929307
Ion Ratio Lower Upper
83 100
85 65.8 50.4 75.6

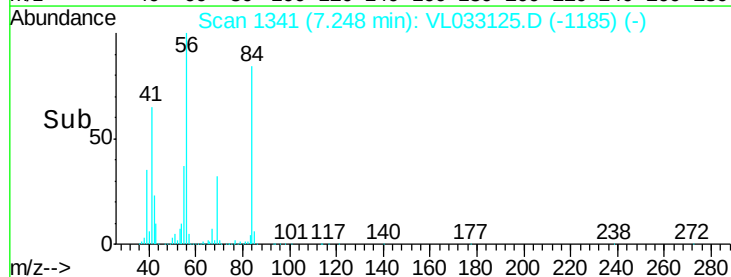
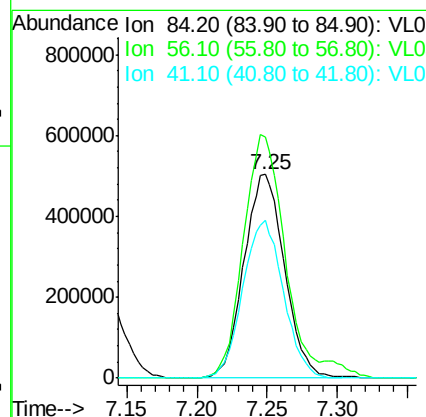
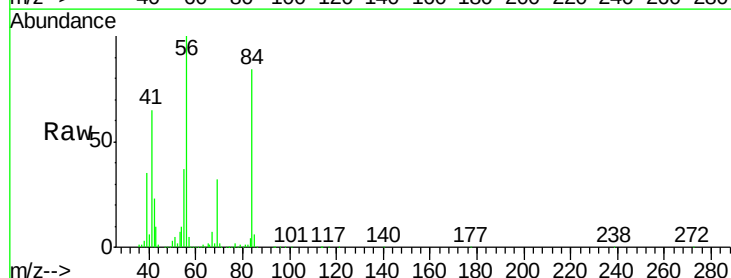
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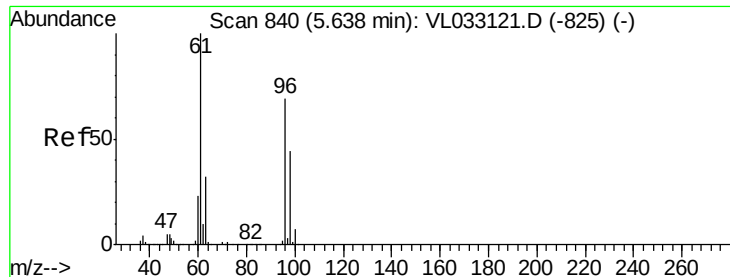
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#30
Cyclohexane
Concen: 9.895 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033125.D
Acq: 29 Jan 2019 2:29

Tgt Ion: 84 Resp: 1016424
Ion Ratio Lower Upper
84 100
56 125.2 102.4 153.6
41 77.3 62.7 94.1





#31

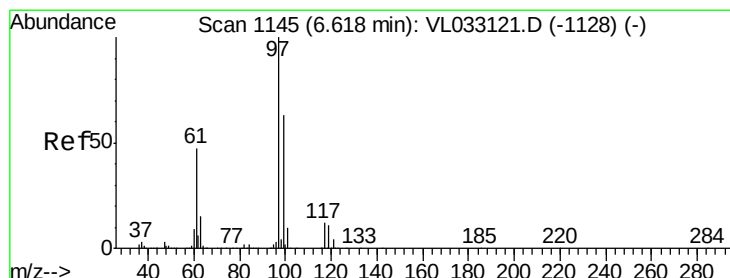
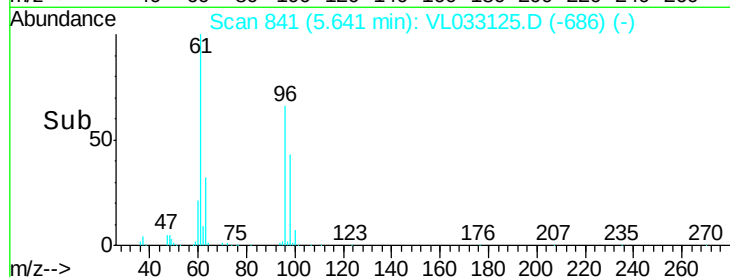
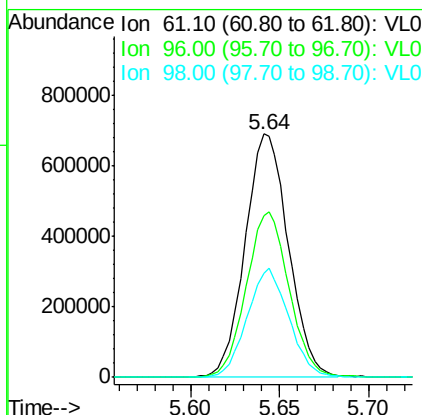
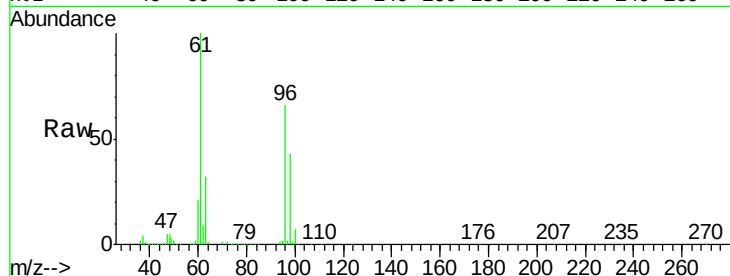
cis-1,2-Dichloroethene
 Concen: 9.400 ppbv
 RT: 5.64 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: VL033125.D
 Acq: 29 Jan 2019 2:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0128ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	66.4	57.6	86.4
98	42.9	37.0	55.4

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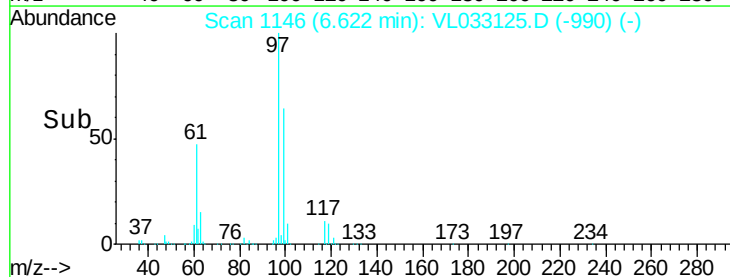
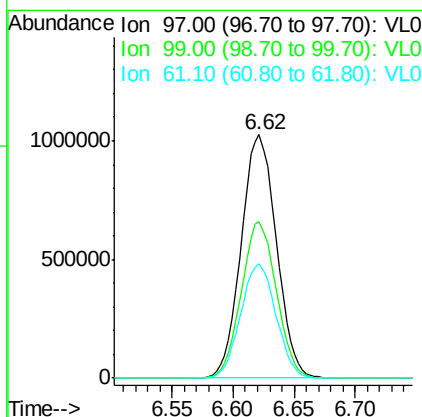
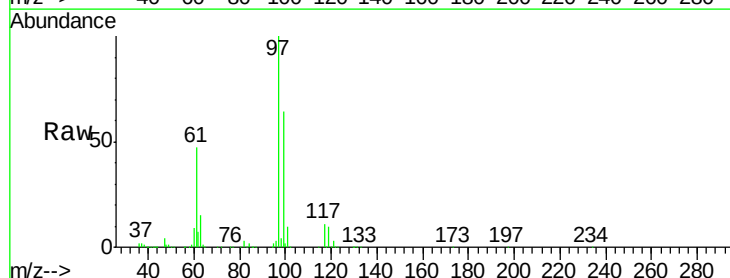
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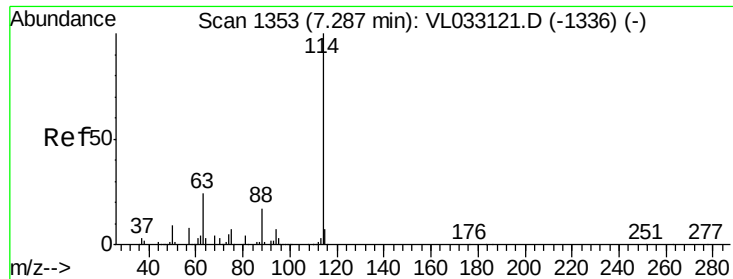


#32

1,1,1-Trichloroethane
 Concen: 7.006 ppbv
 RT: 6.62 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VL033125.D
 Acq: 29 Jan 2019 2:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.7	77.5
61	47.2	38.6	57.8





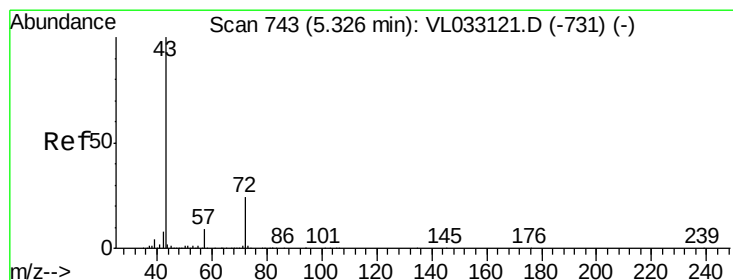
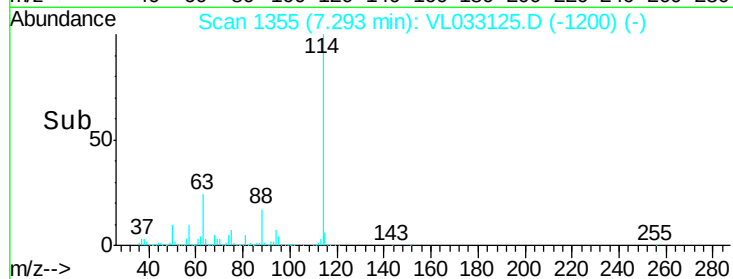
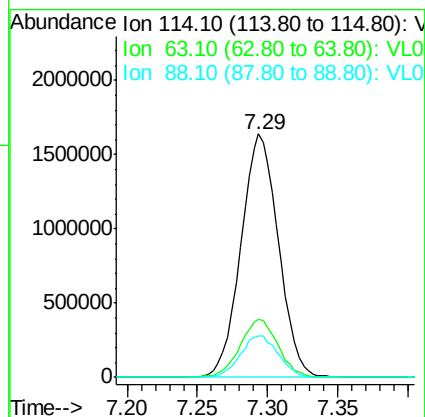
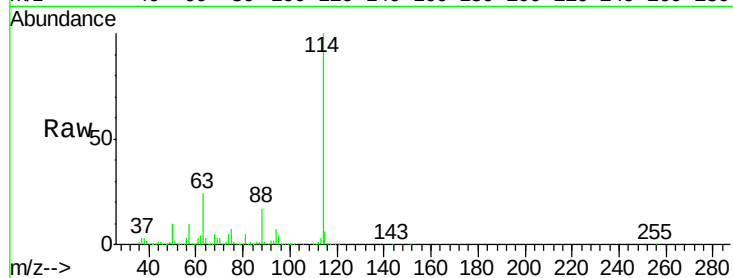
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.00 min
 Lab File: VL033125.D
 Acq: 29 Jan 2019 2:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0128ABS01

Tot Ion:114 Resp: 3045553
 Ion Ratio Lower Upper
 114 100
 63 24.7 19.8 29.8
 88 17.5 14.2 21.2

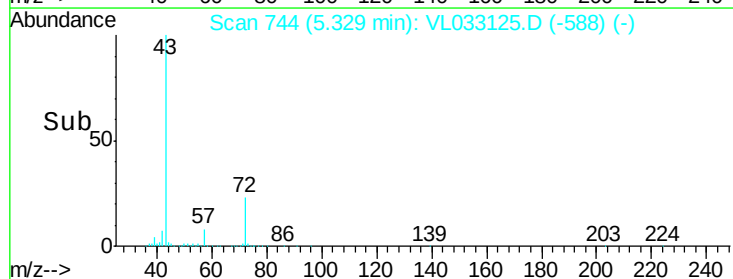
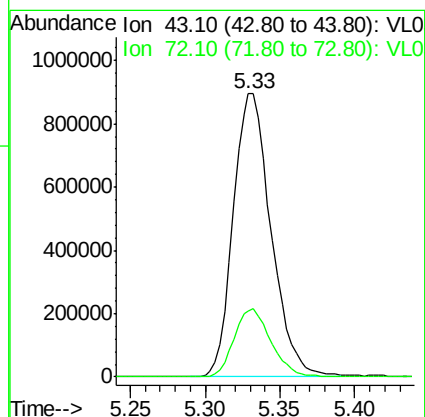
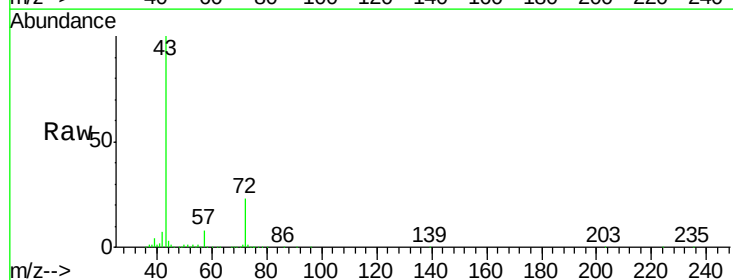
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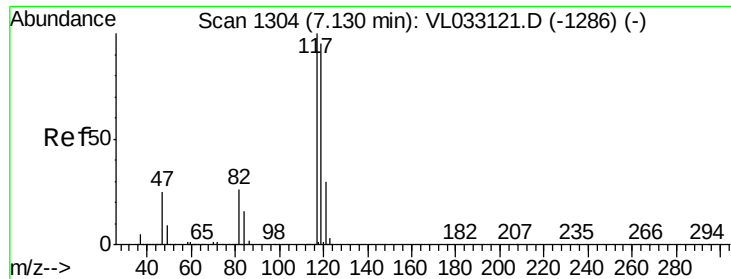
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#34
 2-Butanone
 Concen: 9.056 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: VL033125.D
 Acq: 29 Jan 2019 2:29

Tgt Ion: 43 Resp: 1565203
 Ion Ratio Lower Upper
 43 100
 72 23.8 18.7 28.1





#35

Carbon Tetrachloride

Concen: 8.547 ppbv

RT: 7.14 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion:117 Resp: 2383281

Ion Ratio Lower Upper

117 100

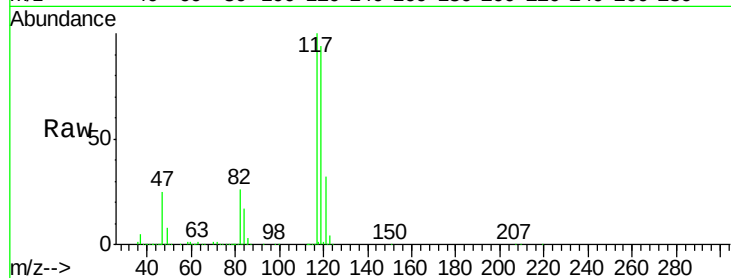
119 94.4 75.8 113.6

121 31.9 24.6 36.8

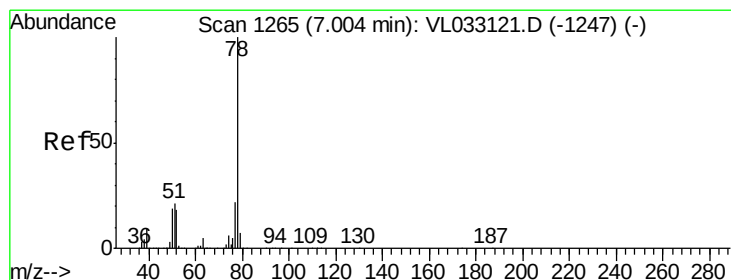
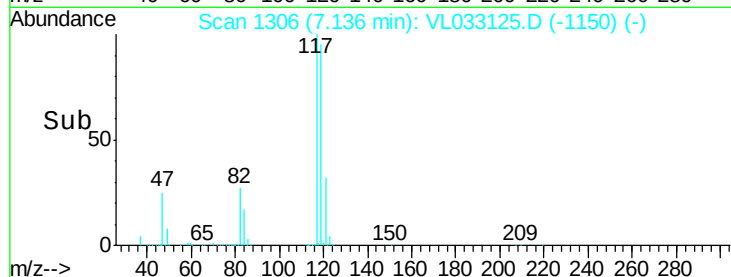
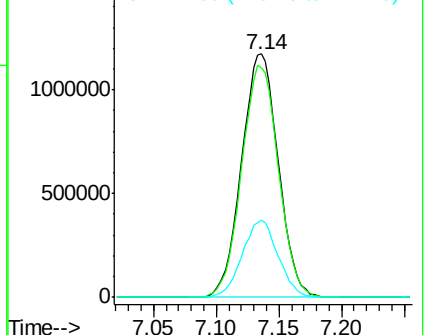
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.738 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

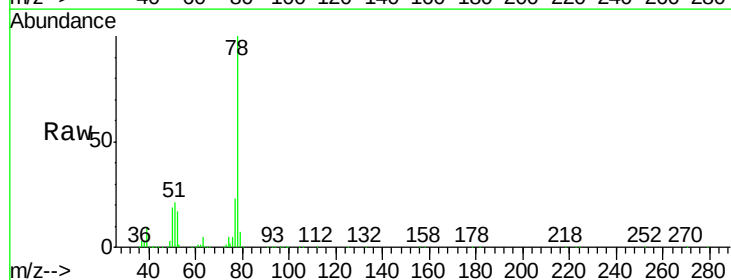
Tgt Ion: 78 Resp: 2617279

Ion Ratio Lower Upper

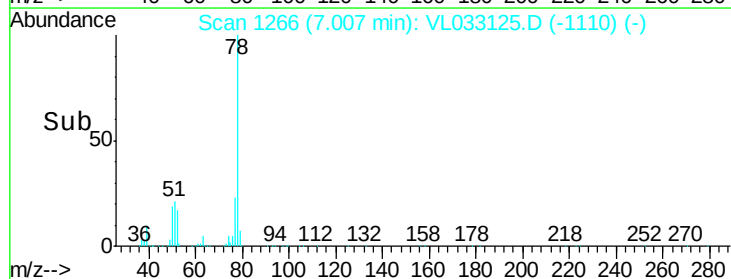
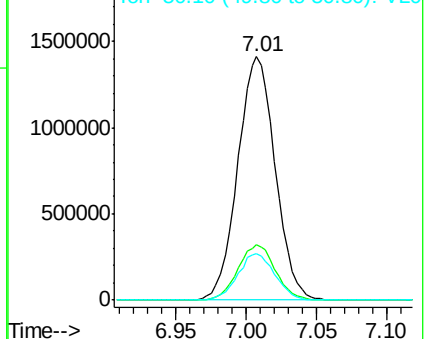
78 100

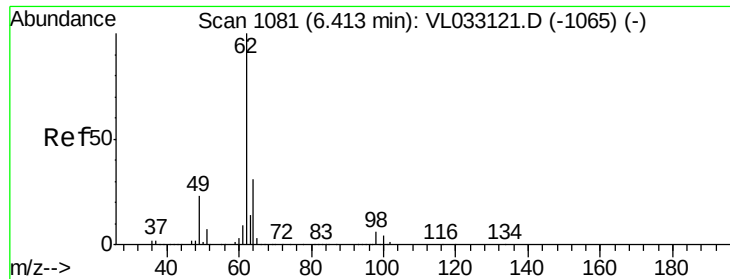
77 22.7 18.5 27.7

50 19.1 15.4 23.2



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





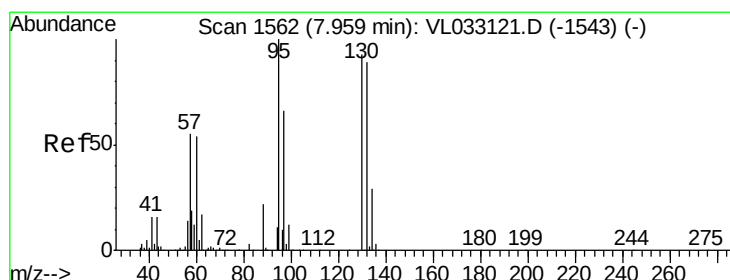
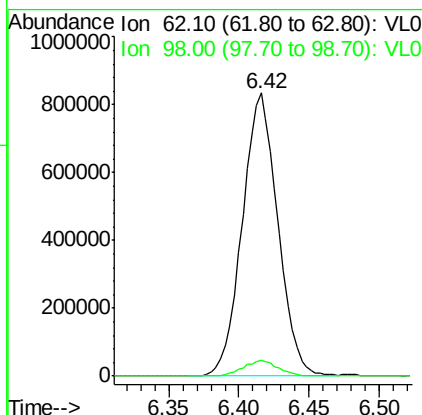
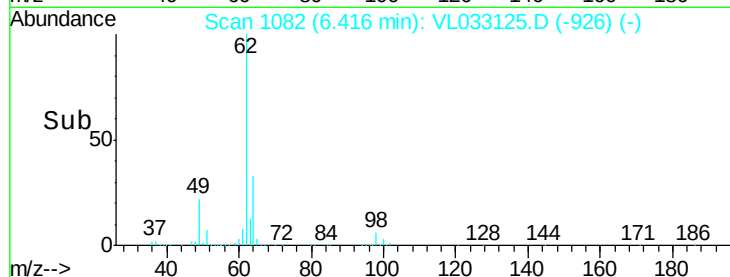
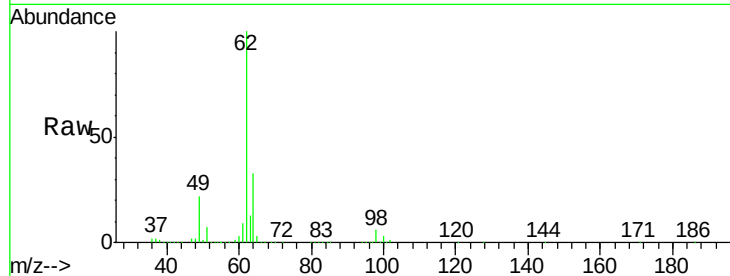
#37
 1,2-Dichloroethane
 Concen: 8.314 ppbv
 RT: 6.42 min Scan# 1082
 Delta R.T. 0.00 min
 Lab File: VL033125.D
 Acq: 29 Jan 2019 2:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0128ABS01

Tot Ion: 62 Resp: 1472299
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.6 7.0

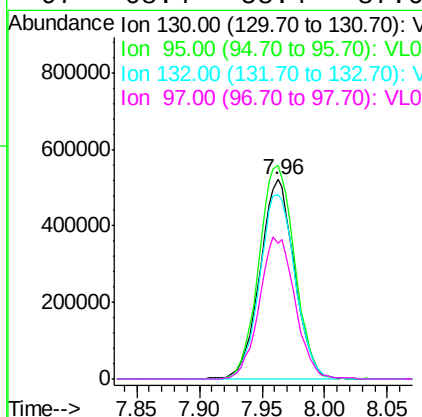
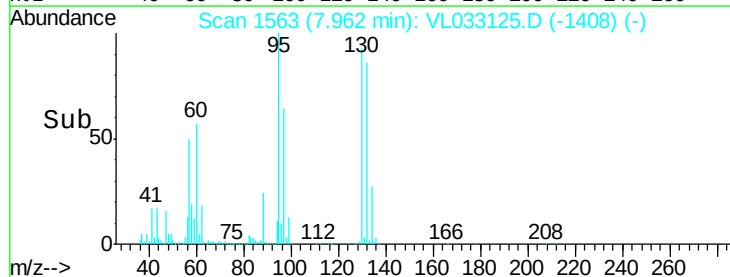
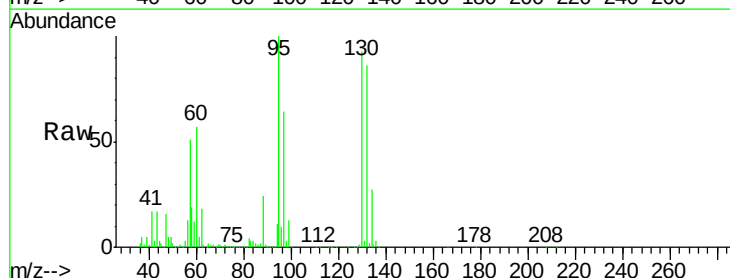
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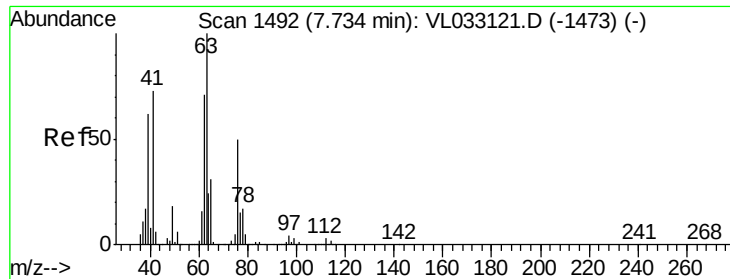
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#38
 Trichloroethene
 Concen: 9.117 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VL033125.D
 Acq: 29 Jan 2019 2:29

Tgt Ion: 130 Resp: 995932
 Ion Ratio Lower Upper
 130 100
 95 107.2 94.0 141.0
 132 92.3 79.7 119.5
 97 68.4 58.4 87.6





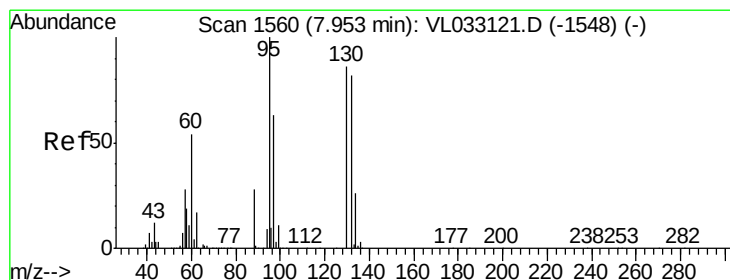
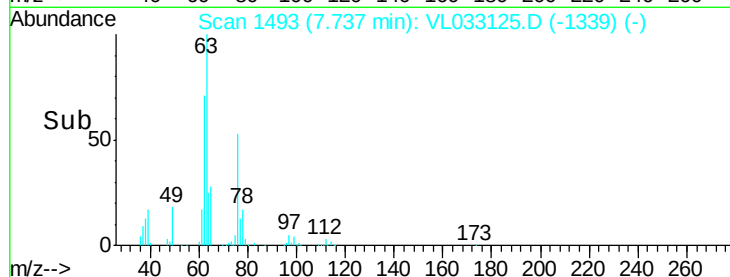
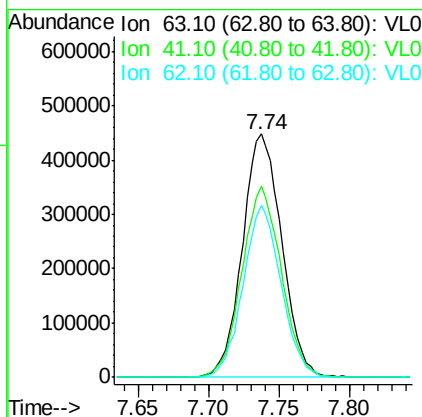
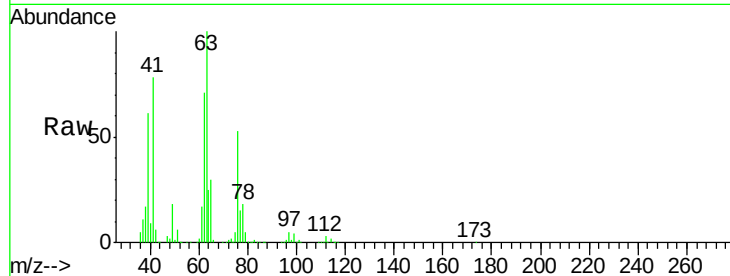
#39
 1,2-Dichloropropane
 Concen: 9.234 ppbv
 RT: 7.74 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: VL033125.D
 Acq: 29 Jan 2019 2:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0128ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	78.3	57.8	86.8
62	70.5	54.6	82.0

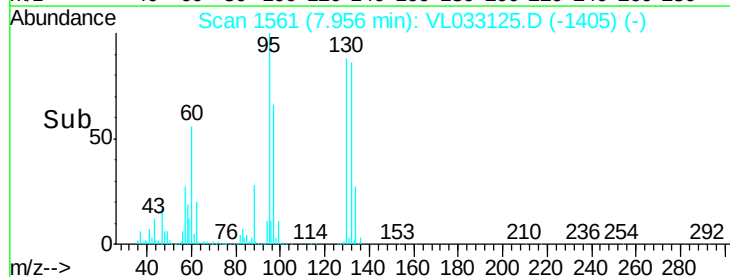
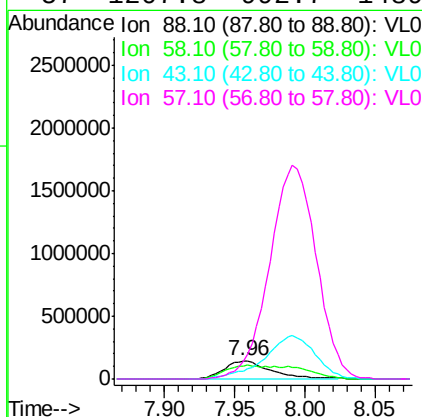
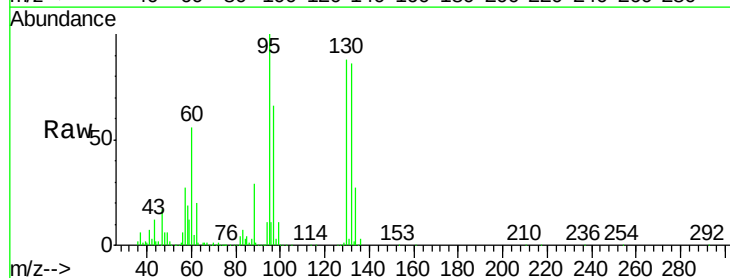
Manual Integrations
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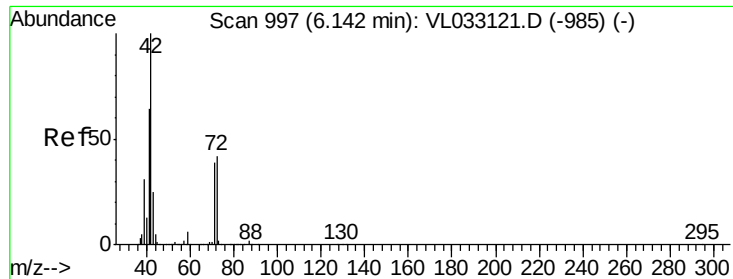
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#40
 1,4-Dioxane
 Concen: 9.046 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. 0.00 min
 Lab File: VL033125.D
 Acq: 29 Jan 2019 2:29

Tgt Ion	Ratio	Lower	Upper
88	100		
58	127.8	103.5	155.3
43	264.9	217.8	326.8
57	1207.8	992.7	1489.1





#41

Tetrahydrofuran

Concen: 9.240 ppbv

RT: 6.15 min Scan# 999

Delta R.T. 0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Instrument :

MSVOA_L

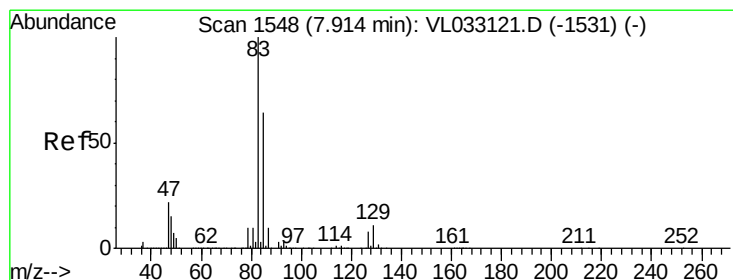
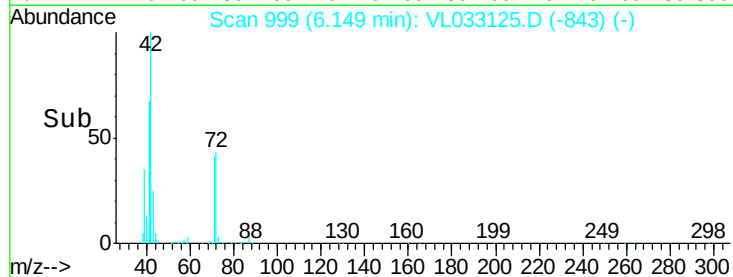
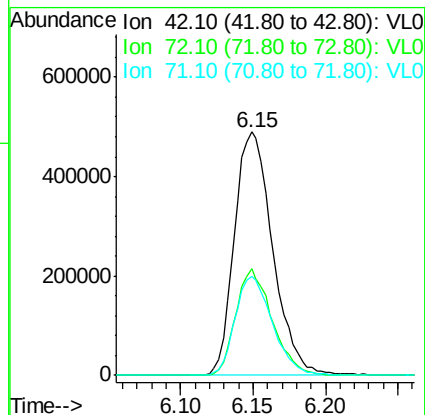
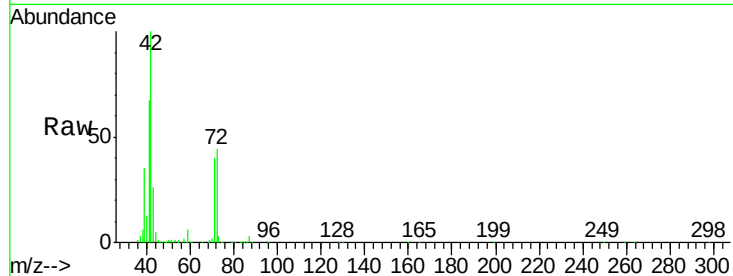
ClientSampleId :

VL0128ABS01

Tot Ion:	42	Resp:	898783
Ion Ratio		Lower	Upper
42	100		
72	41.7	33.8	50.8
71	39.8	31.6	47.4

Manual Integrations
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#42

Bromodichloromethane

Concen: 8.937 ppbv

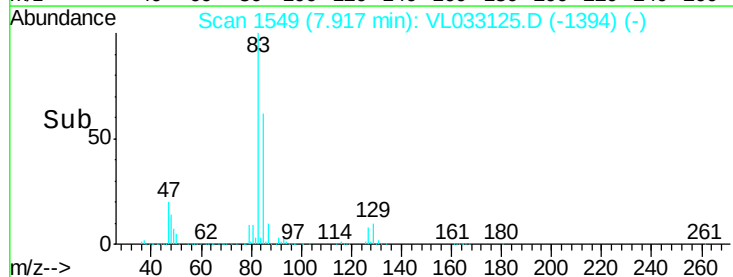
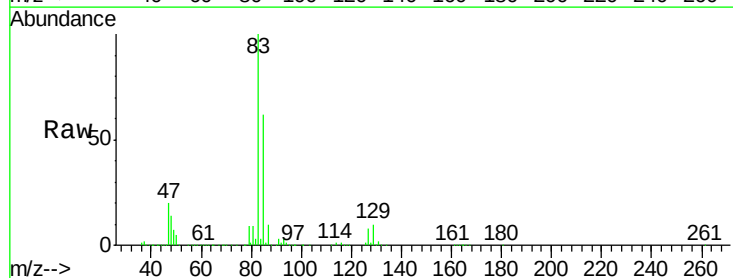
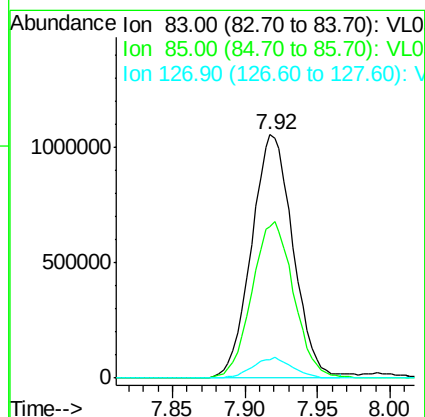
RT: 7.92 min Scan# 1549

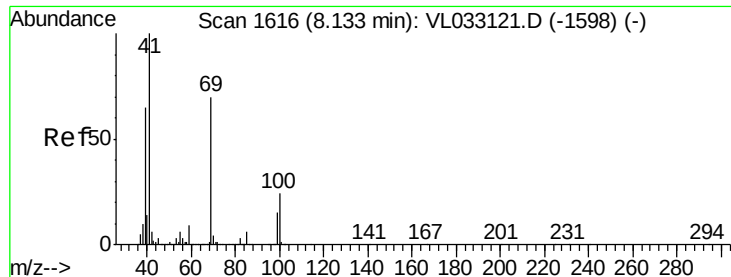
Delta R.T. -0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Tgt Ion:	83	Resp:	2098964
Ion Ratio		Lower	Upper
83	100		
85	62.3	52.9	79.3
127	7.7	6.7	10.1





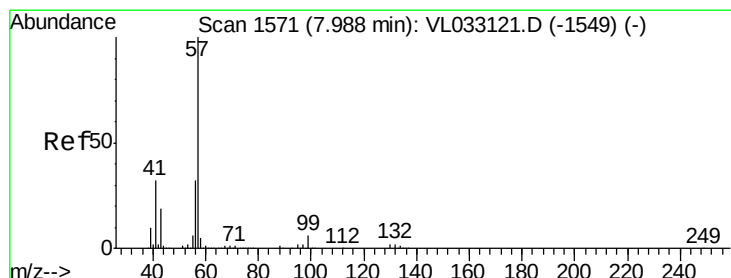
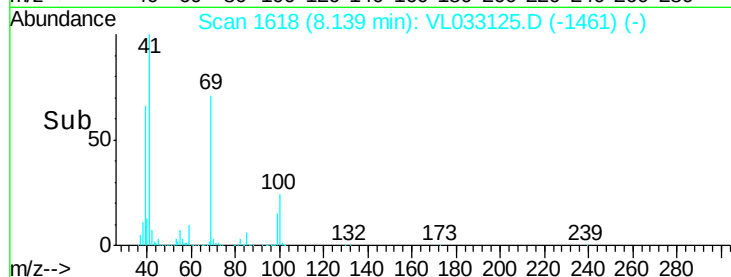
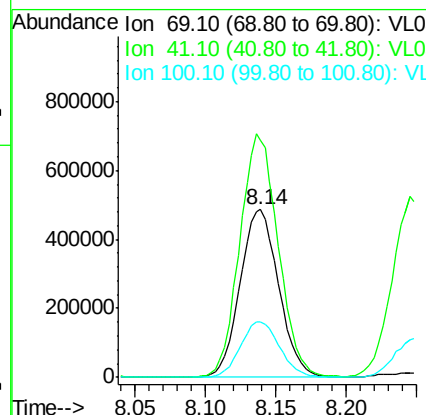
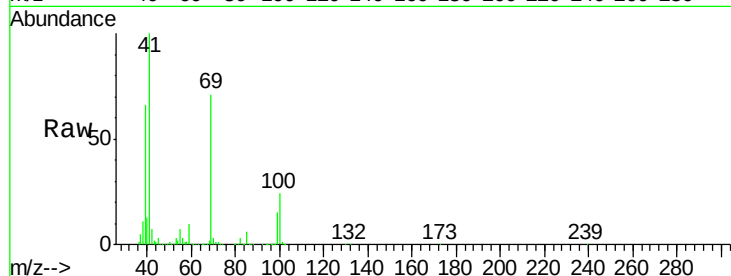
#43
Methyl Methacrylate
Concen: 9.936 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VL033125.D
Acq: 29 Jan 2019 2:29

Instrument :
MSVOA_L
ClientSampleId :
VL0128ABS01

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	143.9	113.9	170.9	
100	33.6	26.2	39.4	

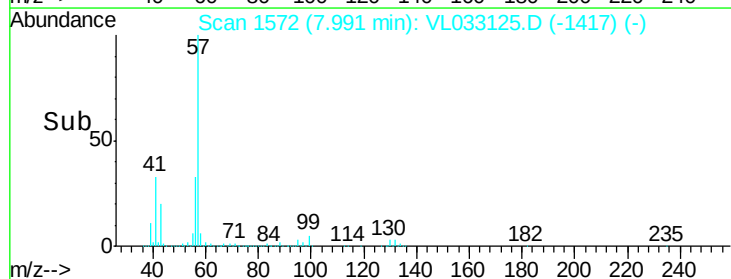
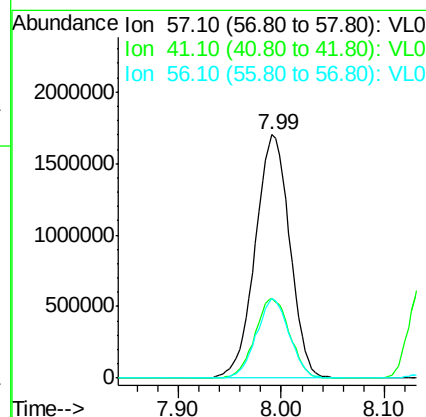
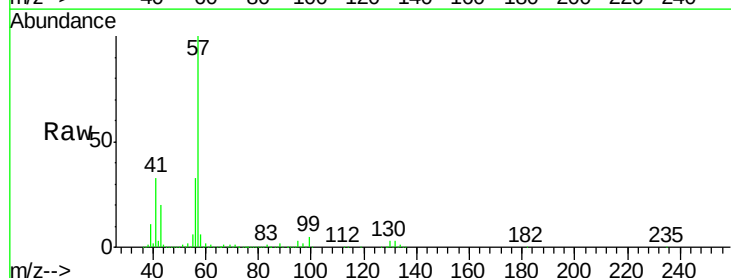
Manual Integrations
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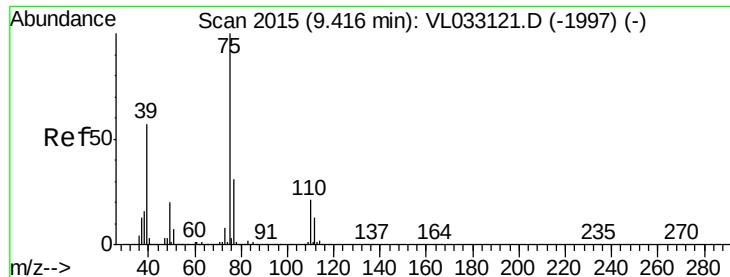
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#44
2,2,4-Trimethylpentane
Concen: 9.298 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033125.D
Acq: 29 Jan 2019 2:29

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	32.7	26.1	39.1	
56	31.2	25.0	37.4	





#45

t-1,3-Dichloropropene

Concen: 11.020 ppbv

RT: 9.42 min Scan# 2015

Delta R.T. -0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion: 75 Resp: 1271233

Ion Ratio Lower Upper

75 100

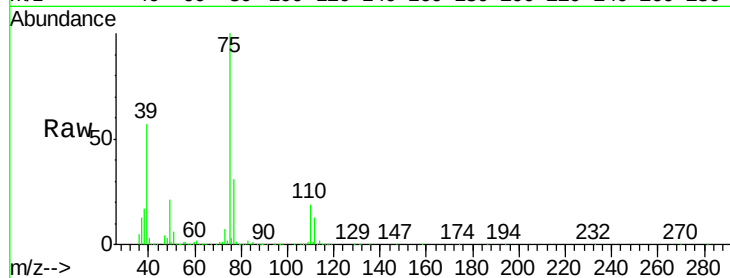
77 31.1 24.9 37.3

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.42

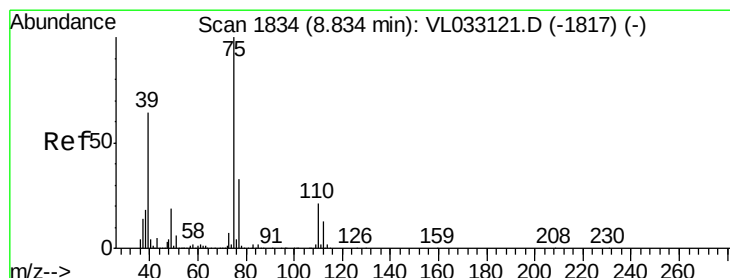
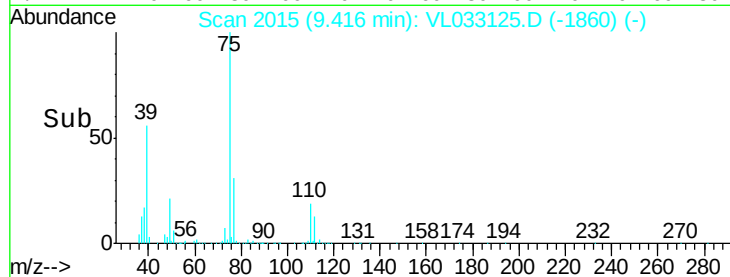
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.647 ppbv

RT: 8.84 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

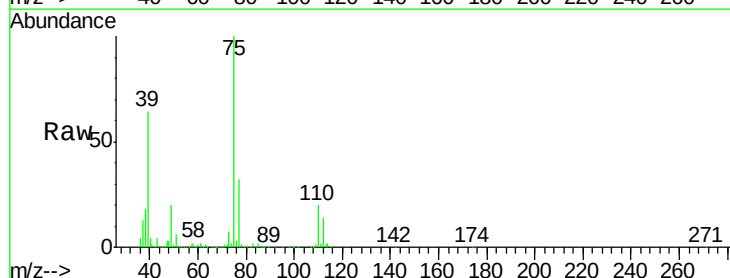
Tgt Ion: 75 Resp: 1468187

Ion Ratio Lower Upper

75 100

39 64.0 52.0 78.0

77 31.8 25.5 38.3



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

8.84

1000000

800000

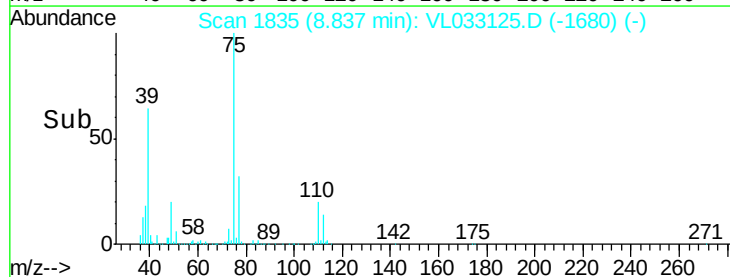
600000

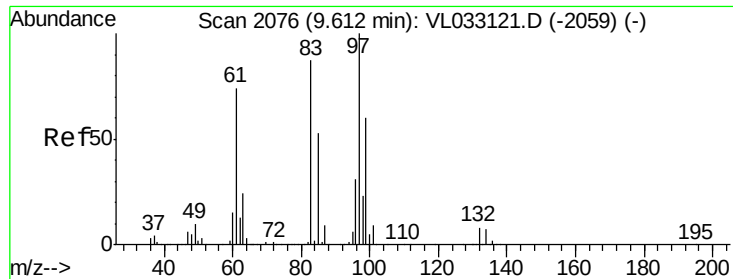
400000

200000

0

Time-->





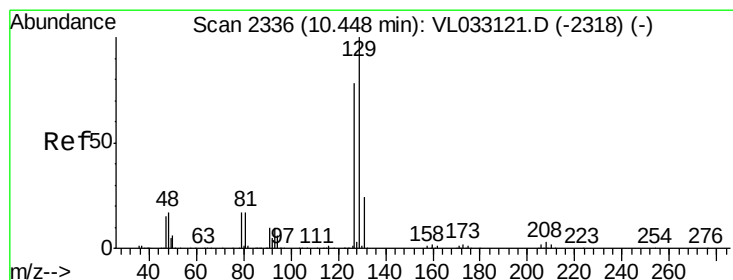
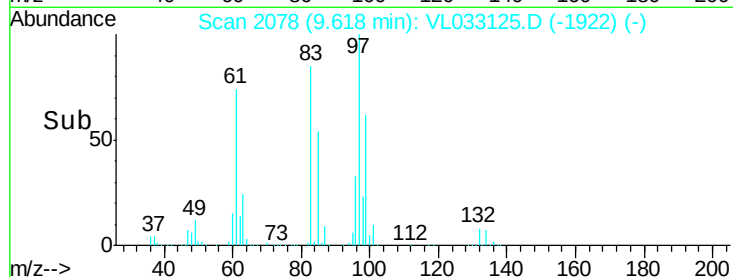
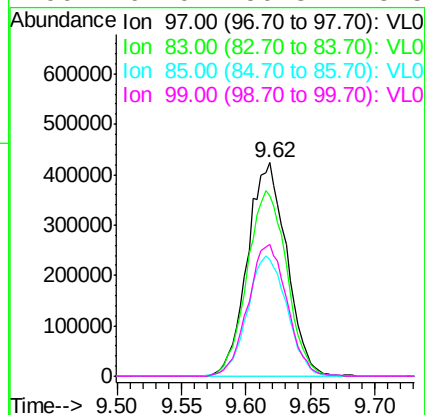
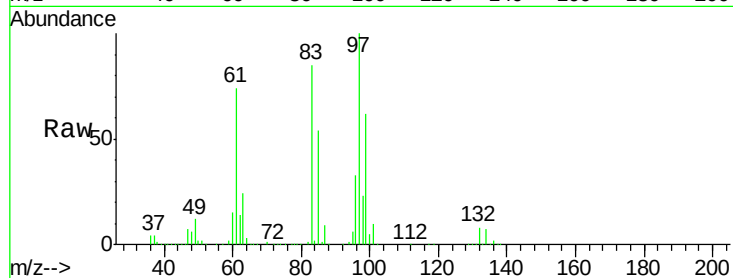
#47
 1,1,2-Trichloroethane
 Concen: 8.200 ppbv
 RT: 9.62 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VL033125.D
 Acq: 29 Jan 2019 2:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0128ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.6	71.4	107.2
85	54.2	47.2	70.8
99	62.0	50.3	75.5

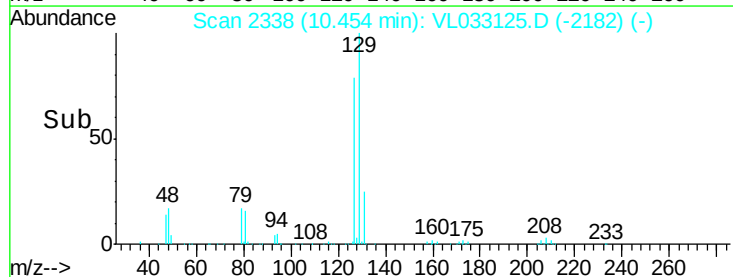
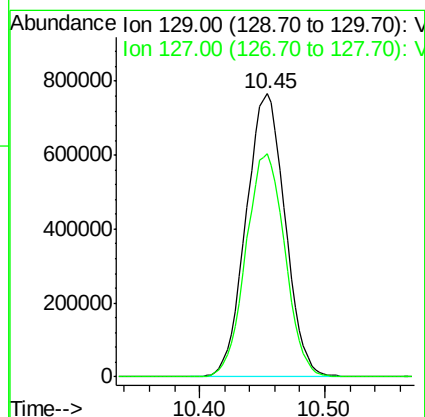
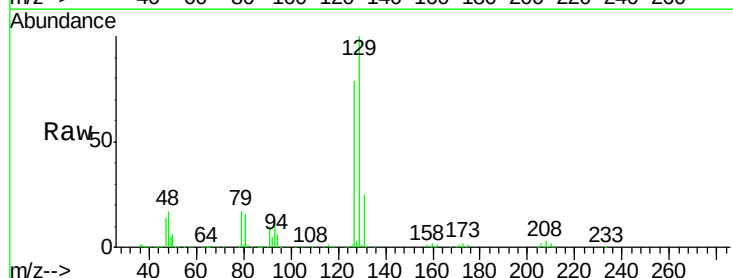
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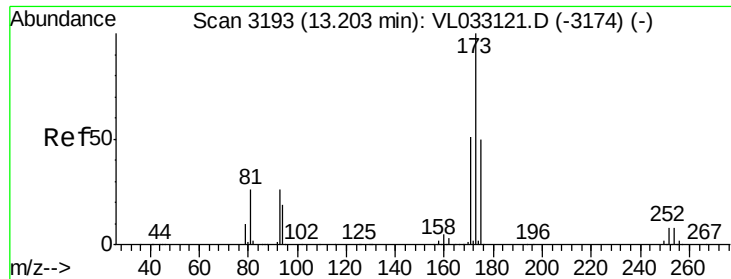
apatel
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#48
 Dibromochloromethane
 Concen: 8.577 ppbv
 RT: 10.45 min Scan# 2338
 Delta R.T. 0.00 min
 Lab File: VL033125.D
 Acq: 29 Jan 2019 2:29

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.3	117.9





#49

Bromoform

Concen: 8.648 ppbv

RT: 13.21 min Scan# 3194

Delta R.T. 0.01 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion:173 Resp: 1399200

Ion Ratio Lower Upper

173 100

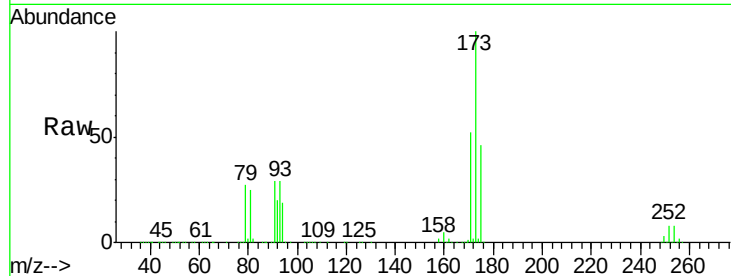
175 48.8 38.9 58.3

171 52.5 41.8 62.6

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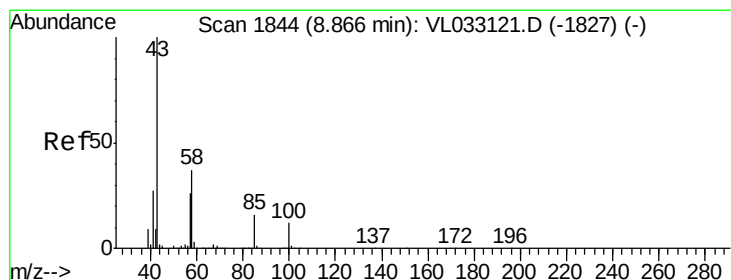
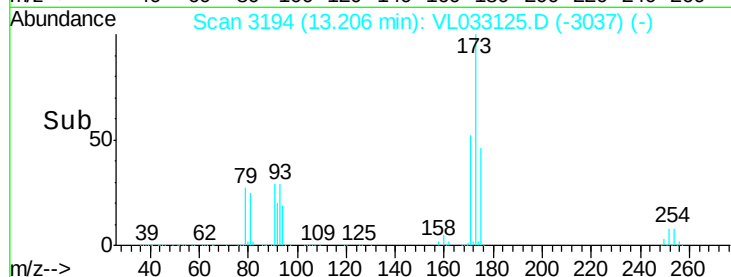
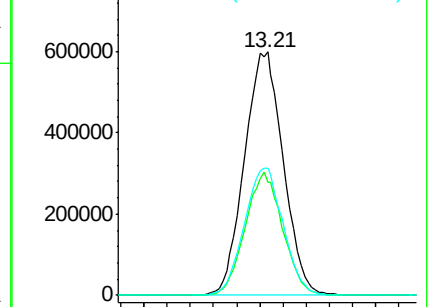
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.709 ppbv

RT: 8.87 min Scan# 1846

Delta R.T. 0.00 min

Lab File: VL033125.D

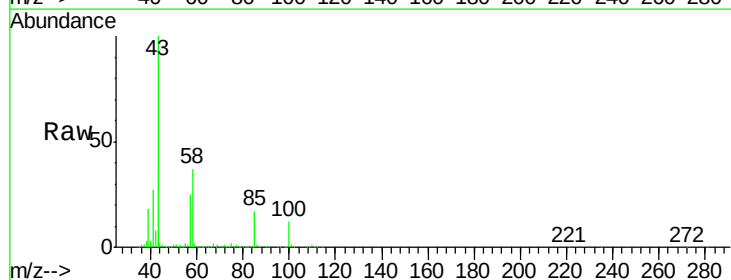
Acq: 29 Jan 2019 2:29

Tgt Ion: 43 Resp: 2239778

Ion Ratio Lower Upper

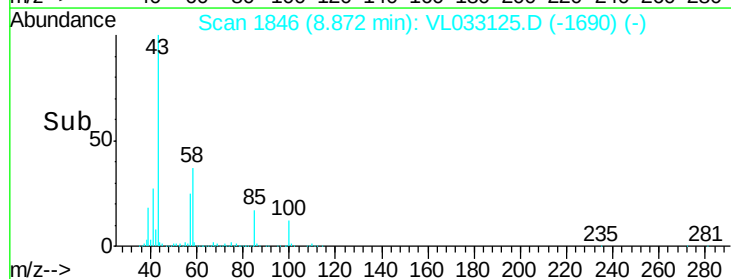
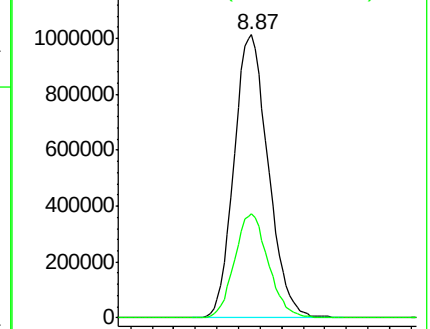
43 100

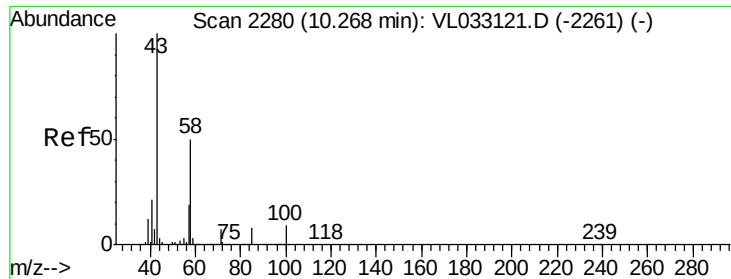
58 36.4 29.4 44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.407 ppbv

RT: 10.27 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion: 43 Resp: 1512549

Ion Ratio Lower Upper

43 100

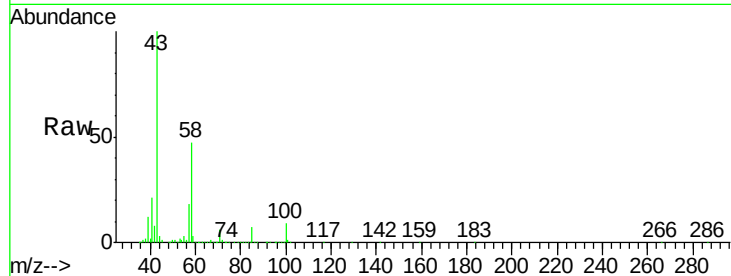
58 49.2 39.5 59.3

98 0.3 0.3 0.5#

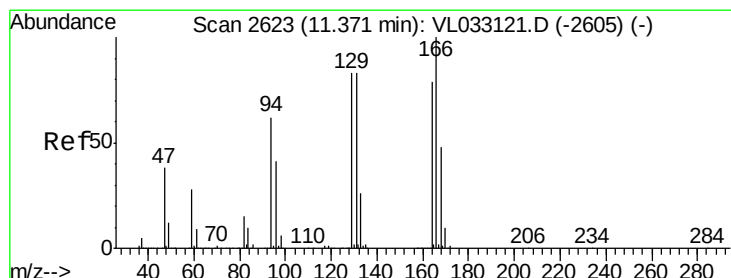
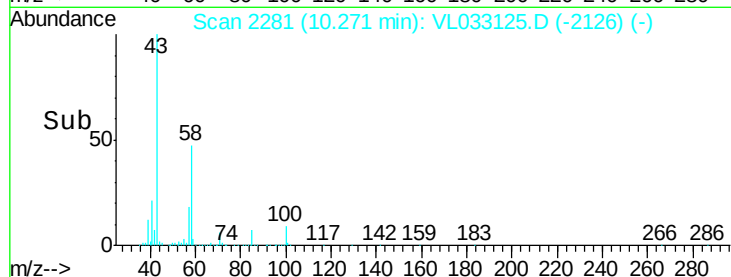
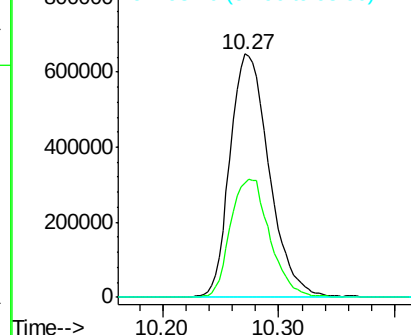
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.719 ppbv

RT: 11.37 min Scan# 2624

Delta R.T. -0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Tgt Ion: 164 Resp: 779297

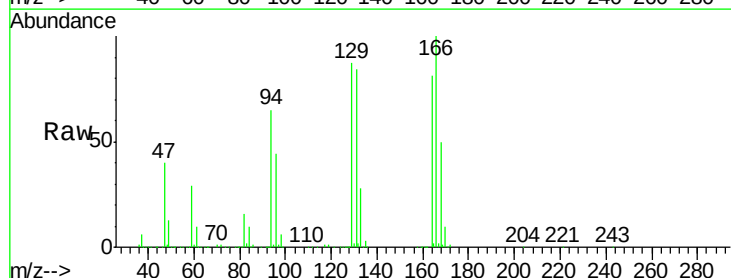
Ion Ratio Lower Upper

164 100

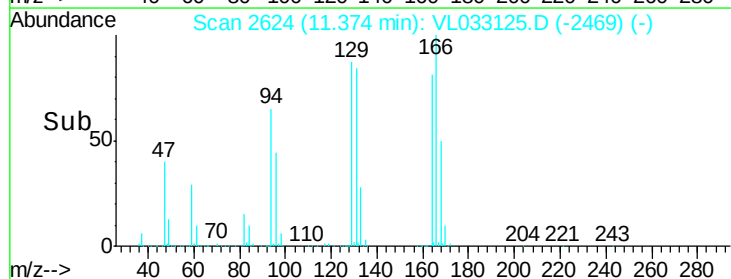
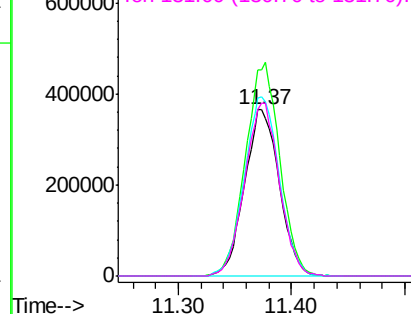
166 124.2 101.3 151.9

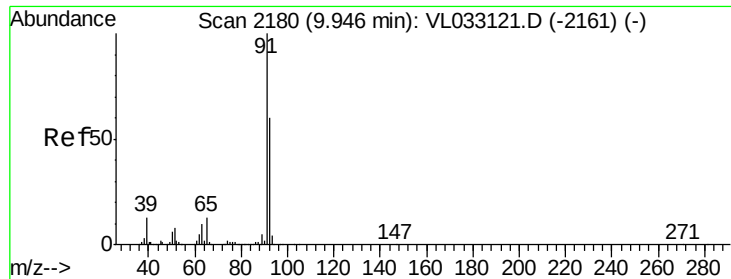
129 107.5 83.3 124.9

131 104.2 82.0 123.0



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: 9.329 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. 0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Instrument :

MSVOA_L

ClientSampled :

VL0128ABS01

Tot Ion: 91 Resp: 2506760

Ion Ratio Lower Upper

91 100

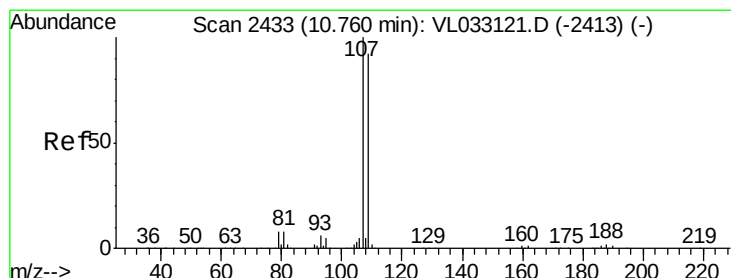
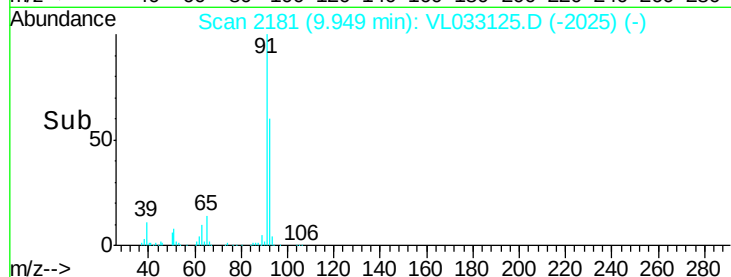
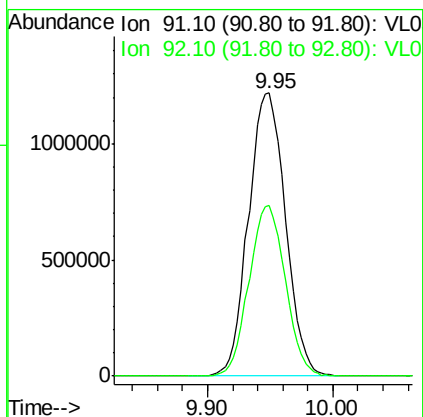
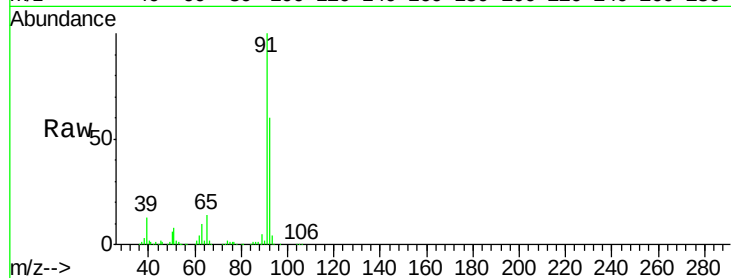
92 59.2 47.9 71.9

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#54

1,2-Dibromoethane

Concen: 8.778 ppbv

RT: 10.76 min Scan# 2433

Delta R.T. -0.00 min

Lab File: VL033125.D

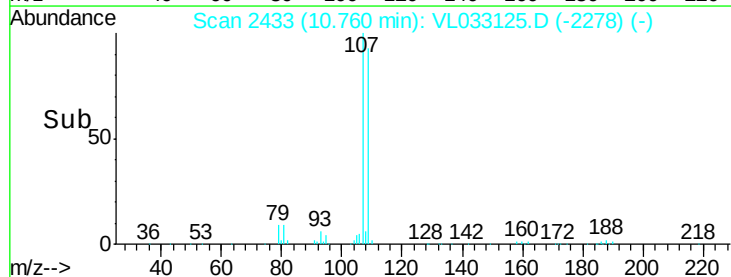
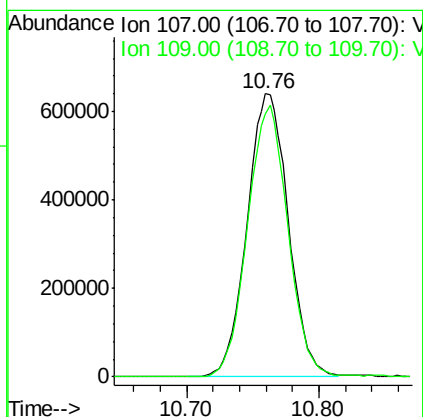
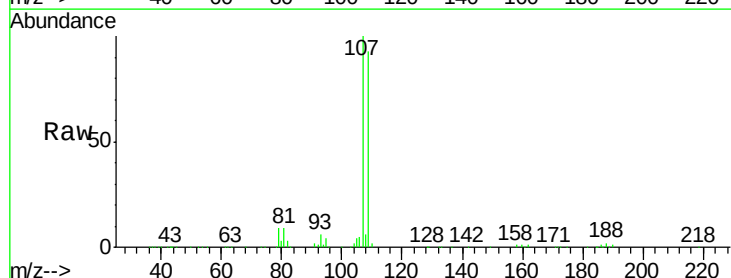
Acq: 29 Jan 2019 2:29

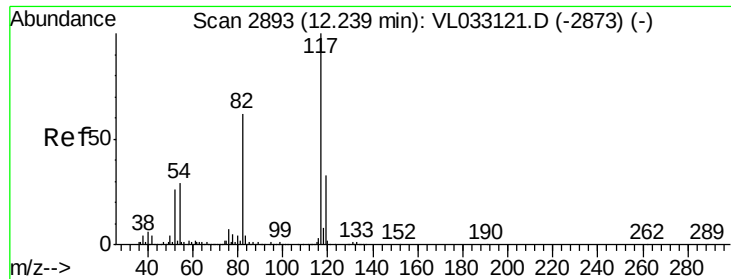
Tgt Ion: 107 Resp: 1383307

Ion Ratio Lower Upper

107 100

109 92.9 75.8 113.6





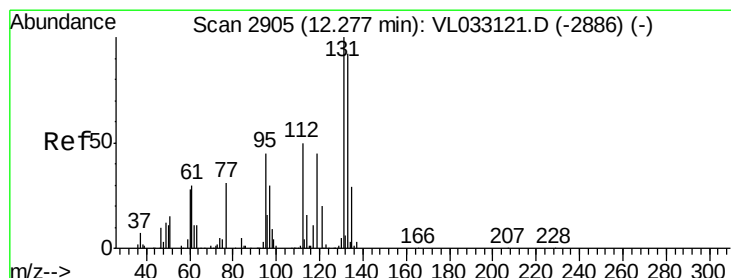
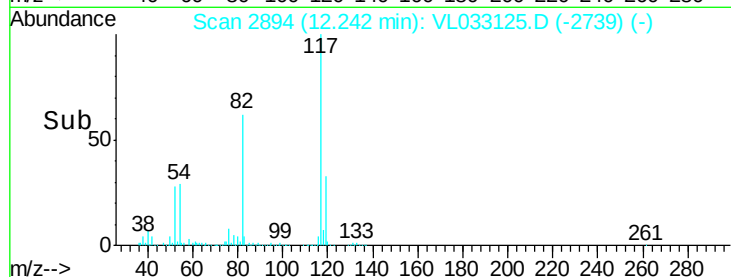
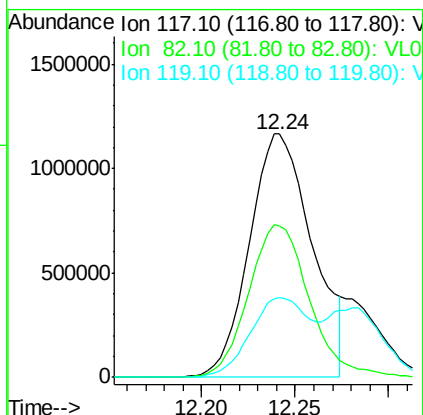
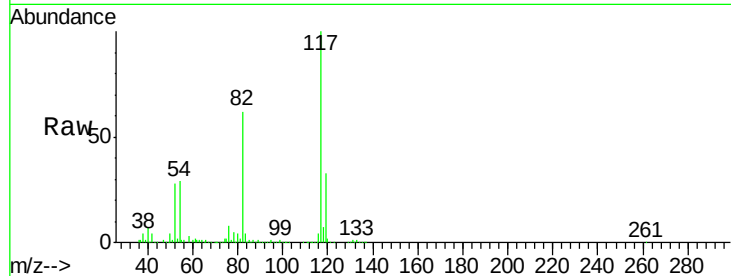
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033125.D
Acq: 29 Jan 2019 2:29

Instrument :
MSVOA_L
ClientSampleId :
VL0128ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	48.3	72.5
119	30.2	25.9	38.9

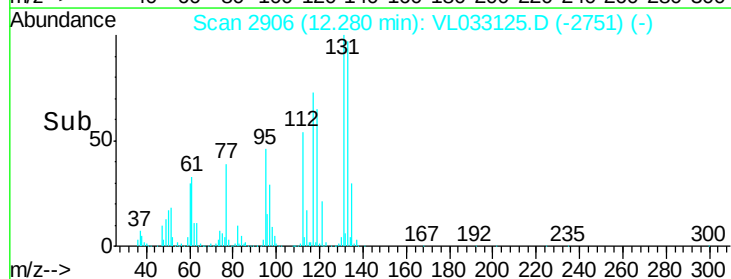
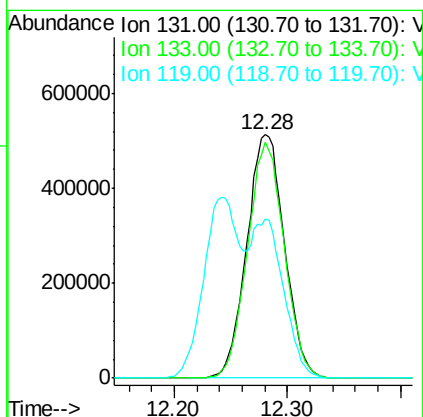
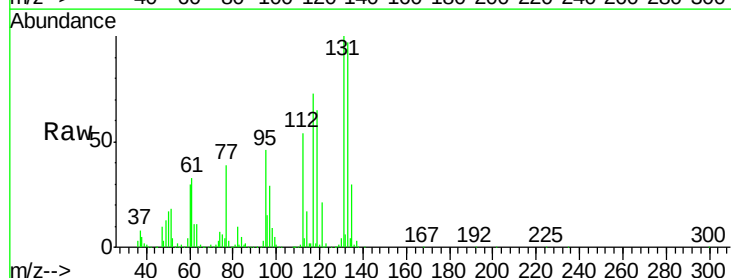
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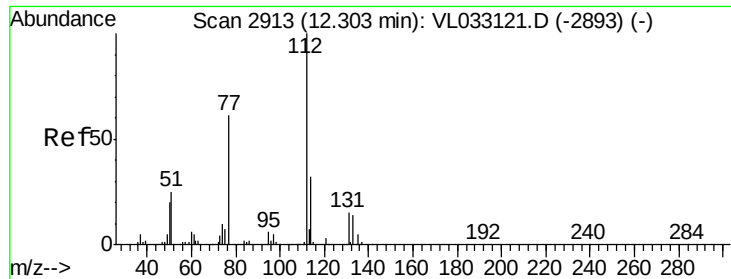
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.808 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL033125.D
Acq: 29 Jan 2019 2:29

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	76.6	115.0
119	60.0	44.6	66.8





#57

Chlorobenzene

Concen: 8.873 ppbv

RT: 12.30 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion: 112 Resp: 1938622

Ion Ratio Lower Upper

112 100

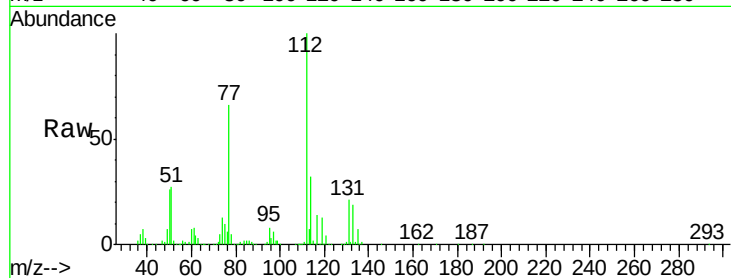
77 65.9 51.6 77.4

114 32.1 27.9 34.1

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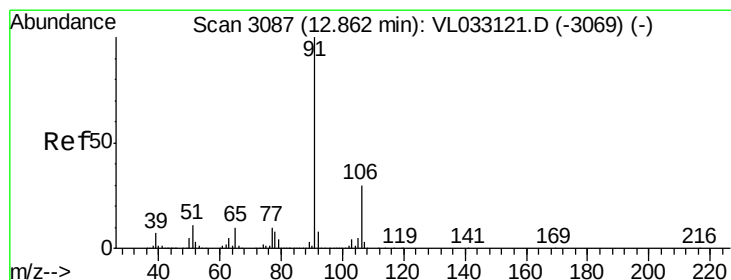
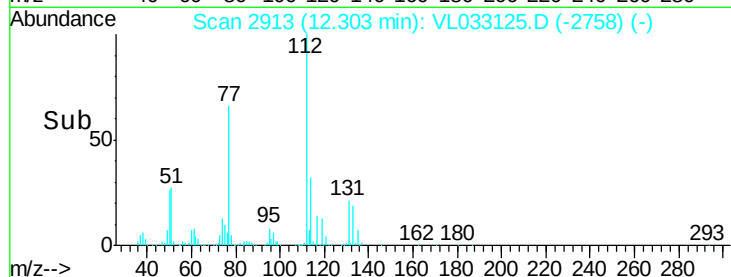
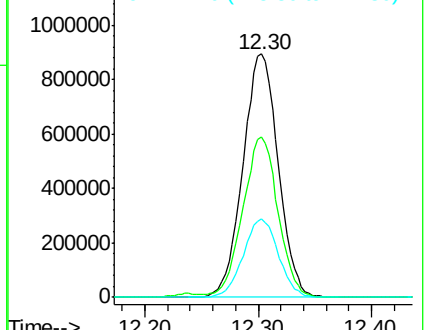
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.381 ppbv

RT: 12.87 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VL033125.D

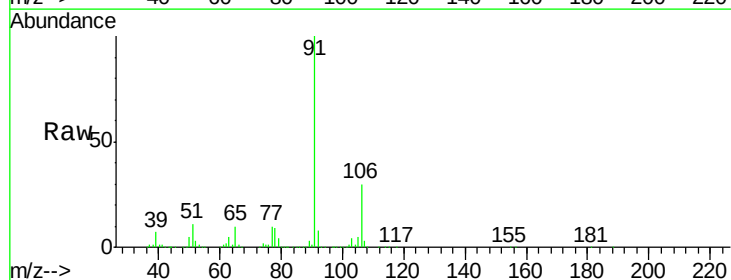
Acq: 29 Jan 2019 2:29

Tgt Ion: 91 Resp: 3345029

Ion Ratio Lower Upper

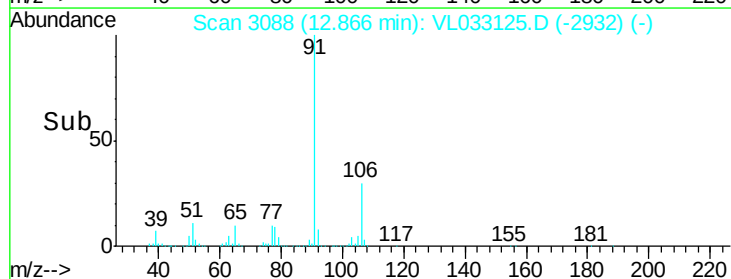
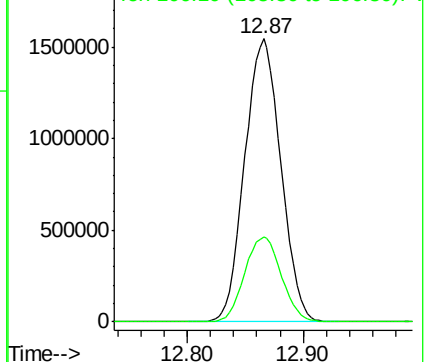
91 100

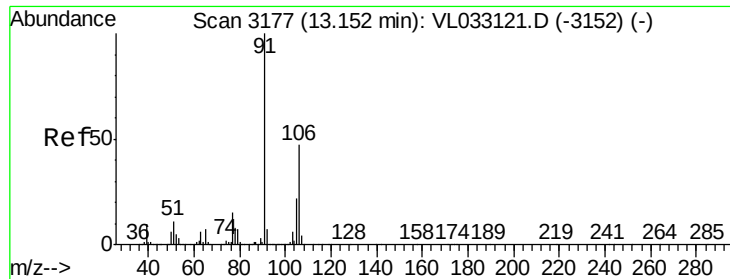
106 30.2 24.4 36.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





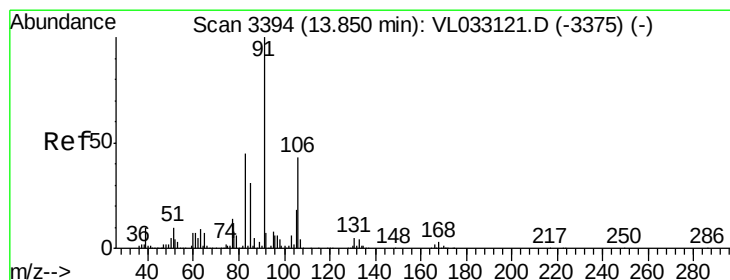
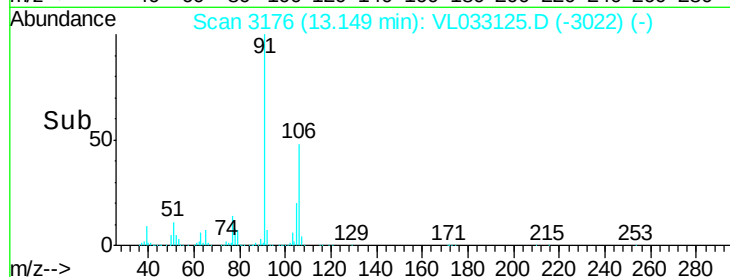
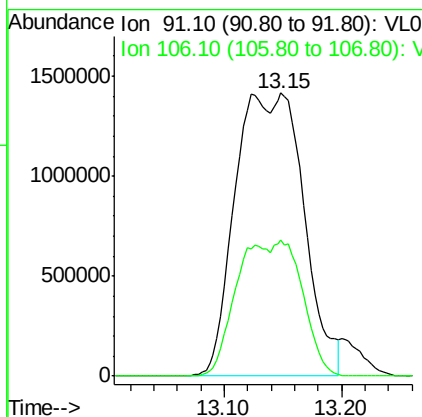
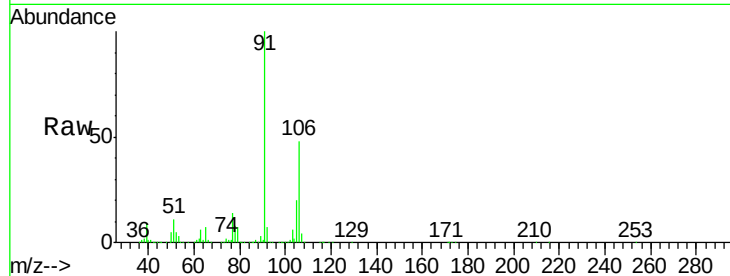
#59
m/p-Xylene
Concen: 19.137 ppbv m
RT: 13.15 min Scan# 3176
Delta R.T. -0.00 min
Lab File: VL033125.D
Acq: 29 Jan 2019 2:29

Instrument :
MSVOA_L
ClientSampleId :
VL0128ABS01

Tot Ion: 91 Resp: 5711244
Ion Ratio Lower Upper
91 100
106 45.9 0.0 0.0#

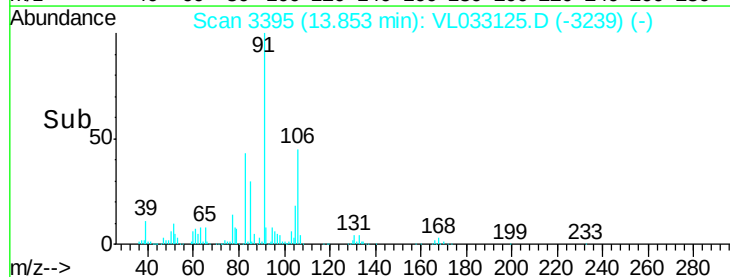
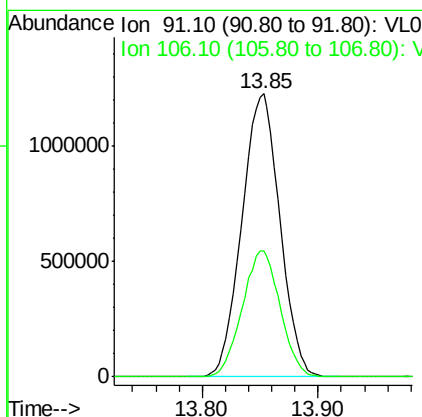
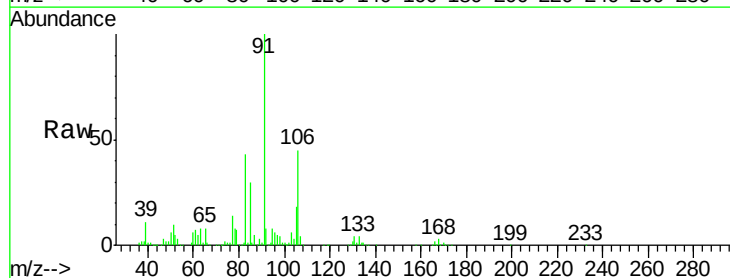
Manual Integrations
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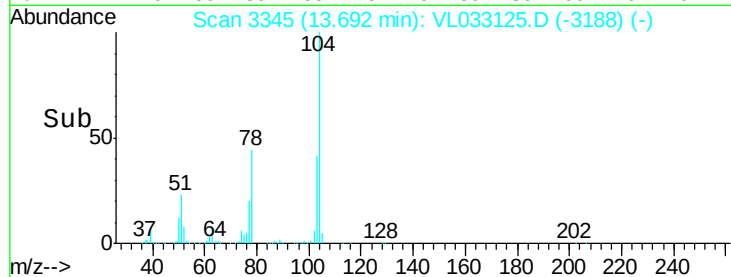
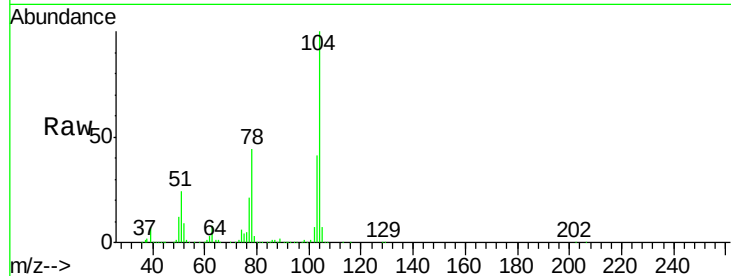
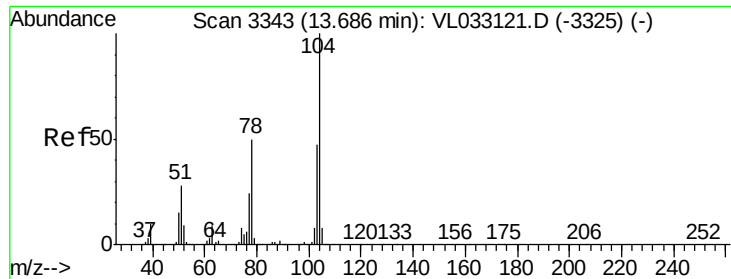
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#60
o-Xylene
Concen: 9.011 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. 0.00 min
Lab File: VL033125.D
Acq: 29 Jan 2019 2:29

Tgt Ion: 91 Resp: 2786548
Ion Ratio Lower Upper
91 100
106 44.5 22.6 67.8





#61

Stvrene

Concen: 10.692 ppbv m

RT: 13.69 min Scan# 3345

Delta R.T. 0.01 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.8	41.4	62.0
103	46.9	37.8	56.6

Instrument :

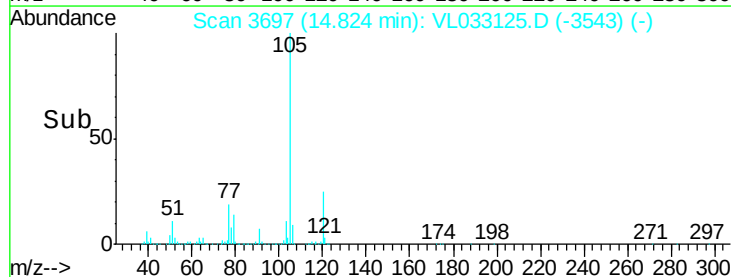
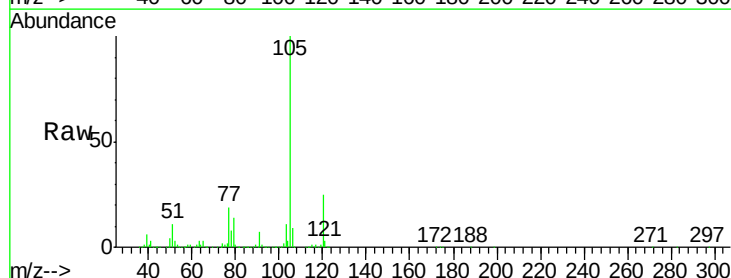
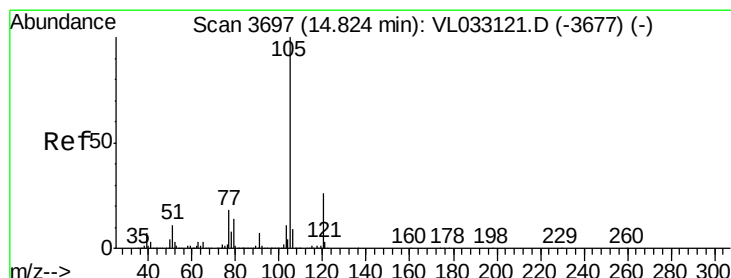
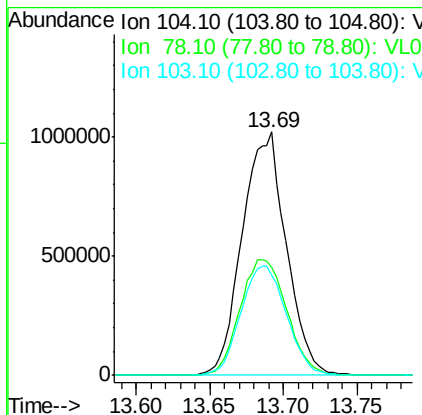
MSVOA_L

ClientSampled :

VL0128ABS01

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#62

Isopropylbenzene

Concen: 9.090 ppbv

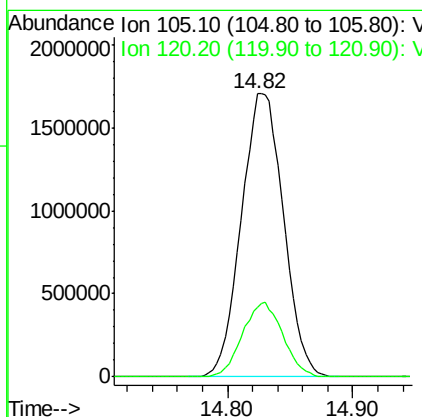
RT: 14.82 min Scan# 3697

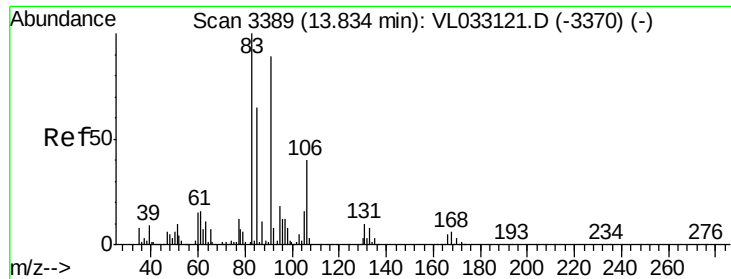
Delta R.T. -0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.4	30.6





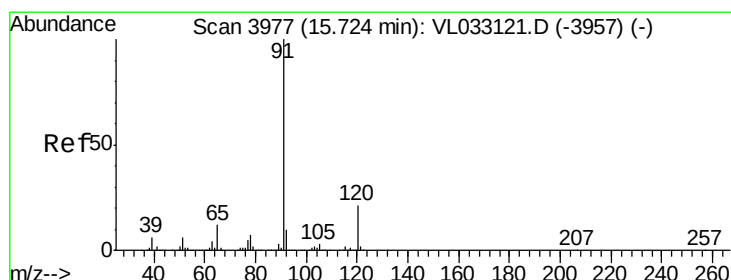
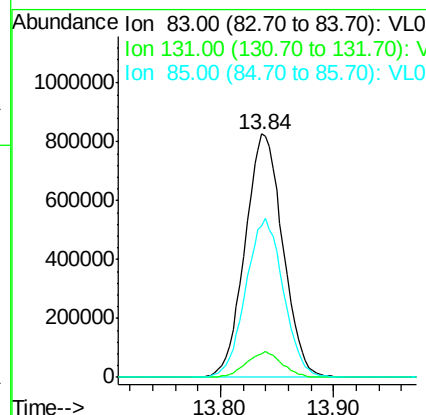
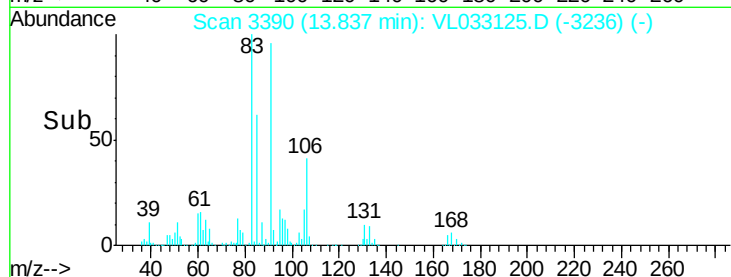
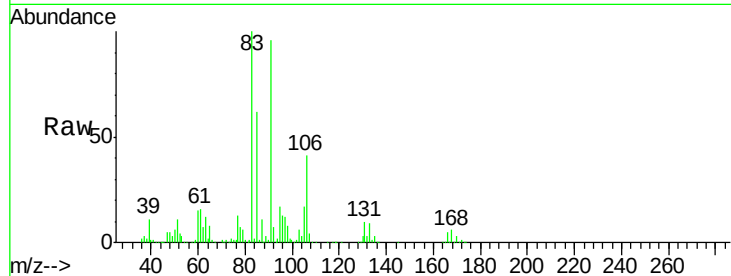
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.803 ppbv
 RT: 13.84 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VL033125.D
 Acq: 29 Jan 2019 2:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0128ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.6
85	65.0	32.5	97.4

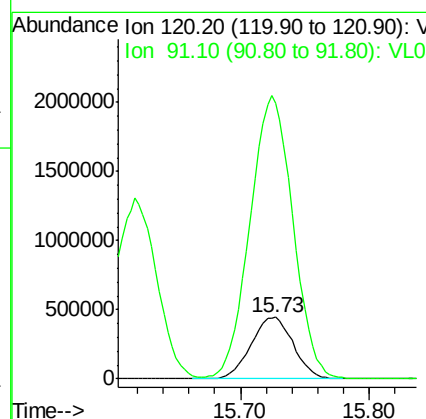
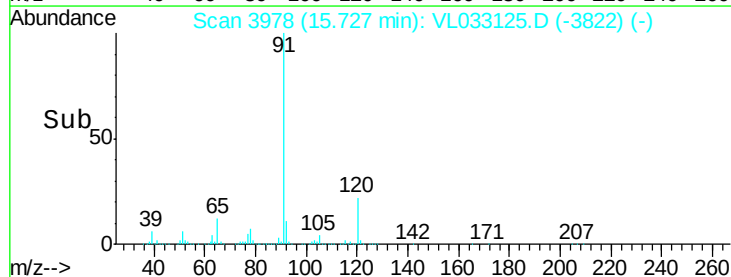
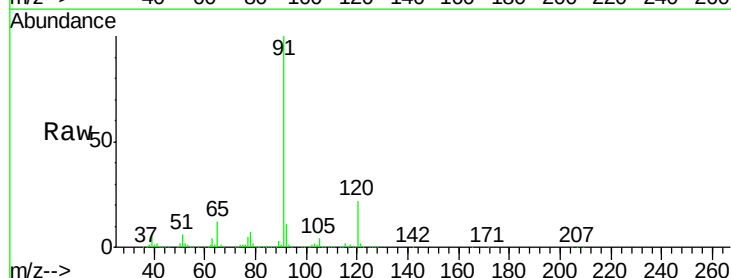
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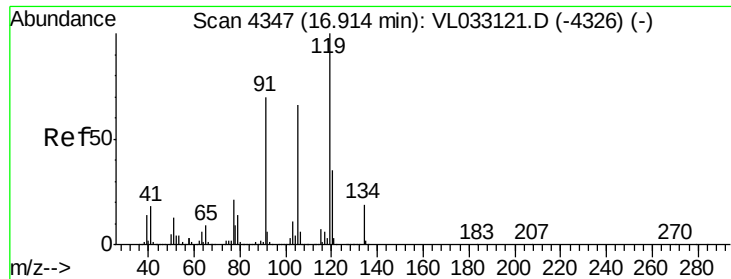
apatel
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#64
 n-propylbenzene
 Concen: 9.586 ppbv
 RT: 15.73 min Scan# 3978
 Delta R.T. 0.00 min
 Lab File: VL033125.D
 Acq: 29 Jan 2019 2:29

Tgt Ion	Ratio	Lower	Upper
120	100		
91	467.1	375.7	563.5





#65

tert-Butylbenzene

Concen: 9.607 ppbv

RT: 16.91 min Scan# 4346

Delta R.T. -0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Instrument :

MSVOA_L

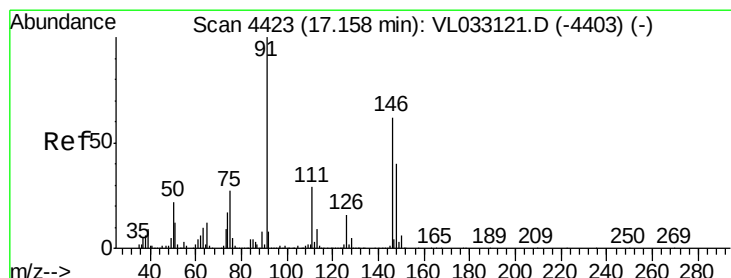
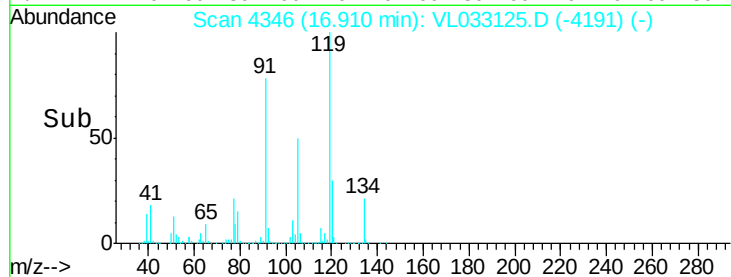
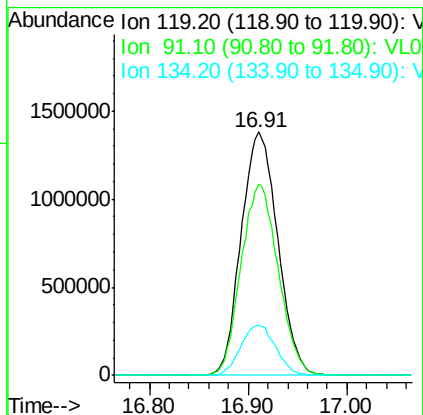
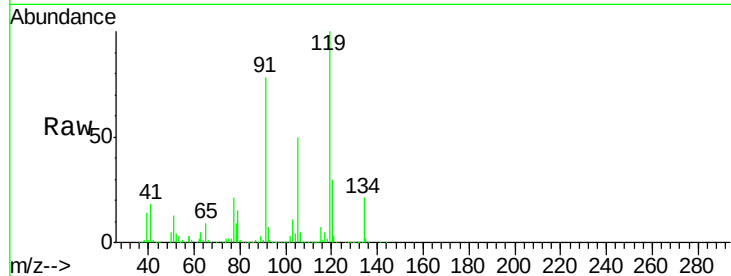
ClientSampleId :

VL0128ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	80.0	64.5	96.7
134	19.8	15.7	23.5

Manual Integrations
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#66

Benzyl Chloride

Concen: 10.570 ppbv

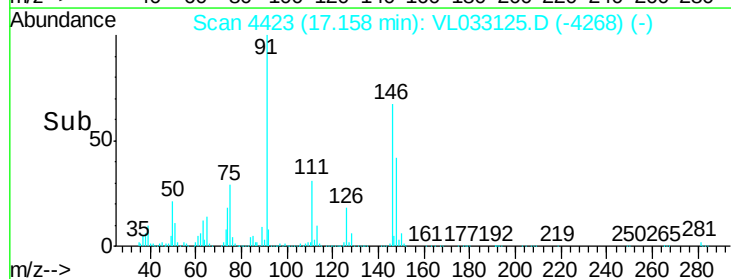
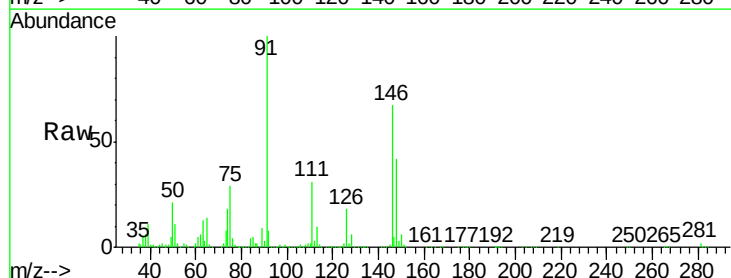
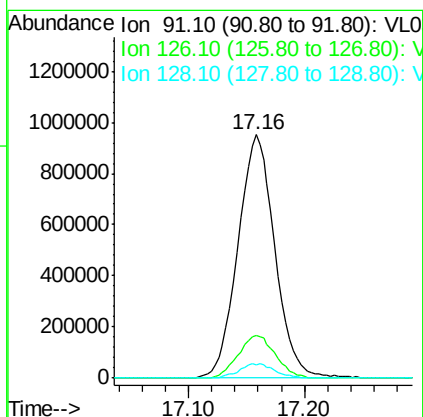
RT: 17.16 min Scan# 4423

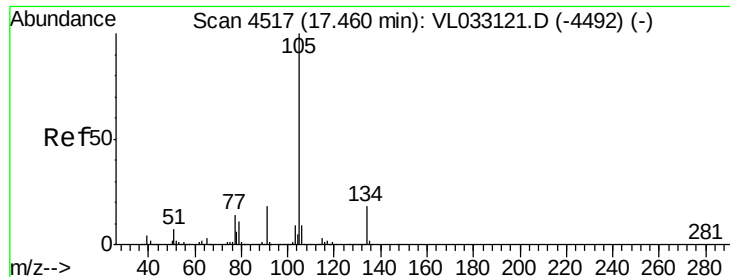
Delta R.T. -0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.9	14.3	21.5
128	5.7	4.6	7.0





#67

sec-Butylbenzene

Concen: 9.362 ppbv

RT: 17.46 min Scan# 4517

Delta R.T. -0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion: 105 Resp: 4946861

Ion Ratio Lower Upper

105 100

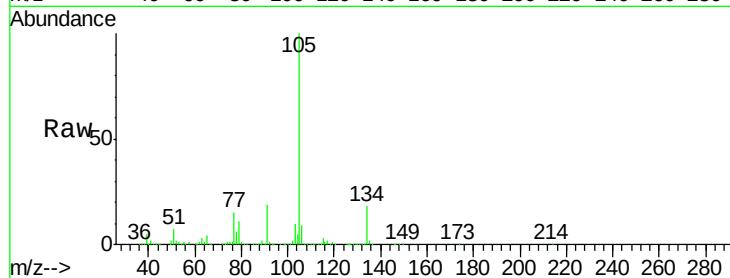
134 18.3 14.8 22.2

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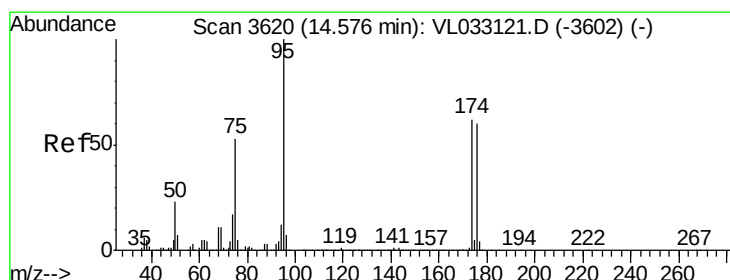
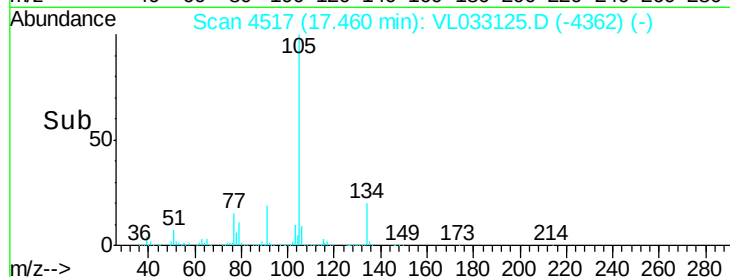
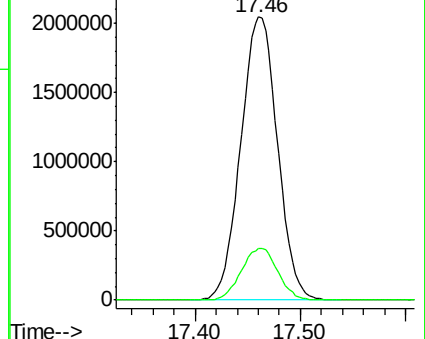
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.618 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. 0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

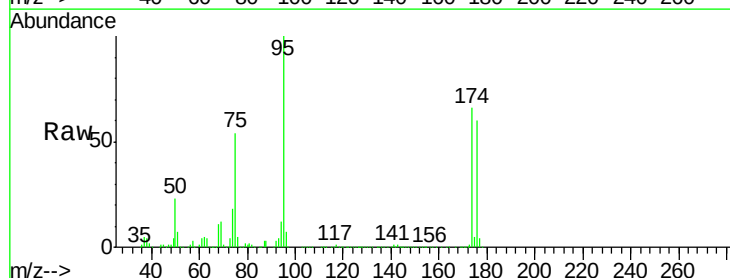
Tgt Ion: 95 Resp: 1987600

Ion Ratio Lower Upper

95 100

174 65.4 51.4 77.2

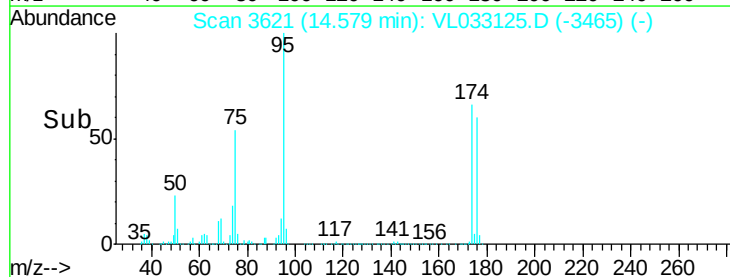
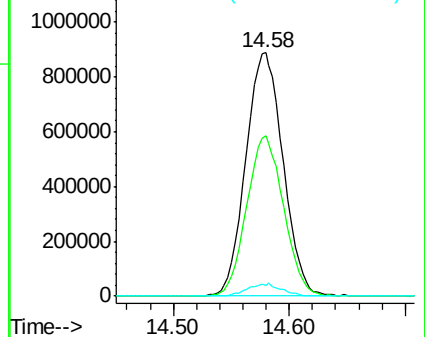
175 4.8 4.0 6.0

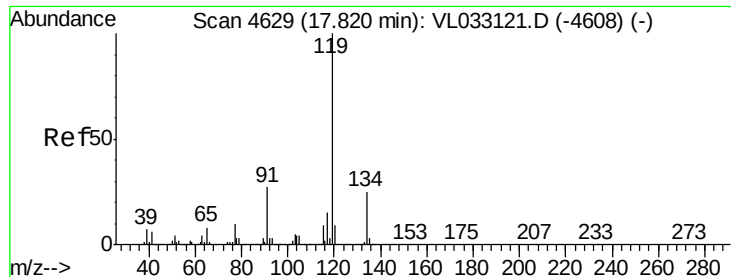


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





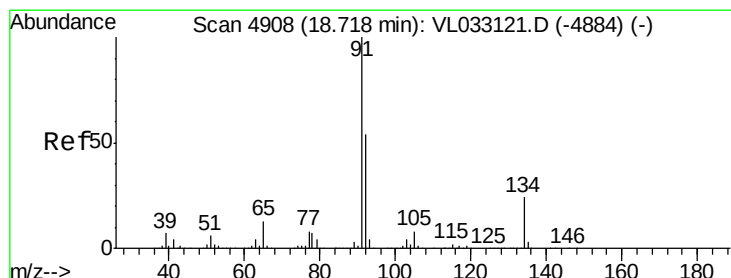
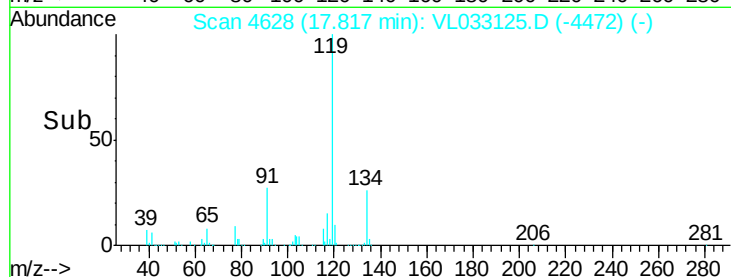
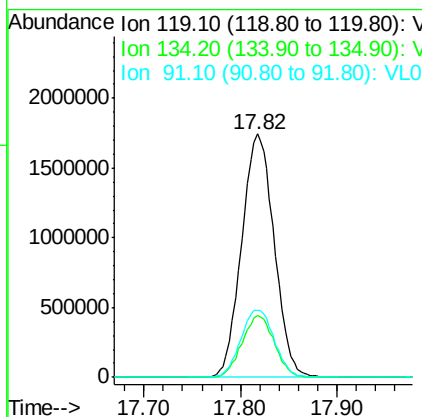
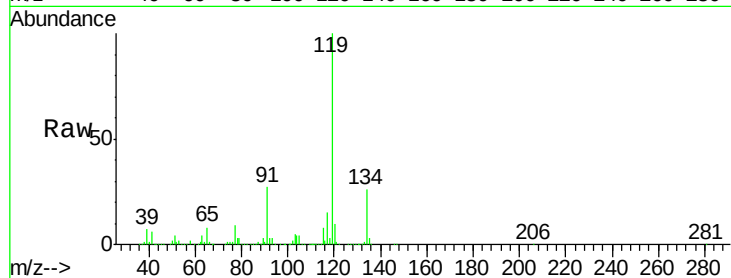
#69
 p-Isopropyltoluene
 Concen: 9.032 ppbv
 RT: 17.82 min Scan# 4628
 Delta R.T. 0.00 min
 Lab File: VL033125.D
 Acq: 29 Jan 2019 2:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0128ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.4	30.6
91	28.6	22.8	34.2

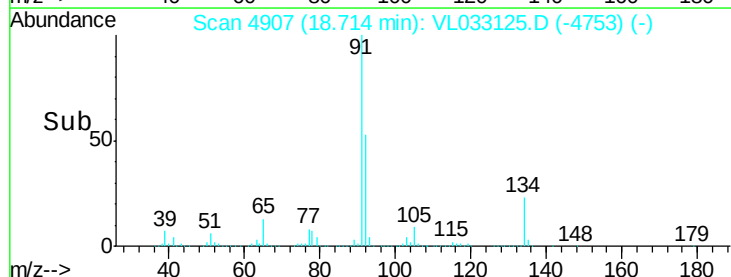
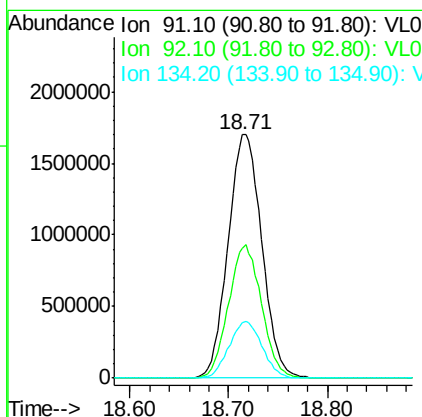
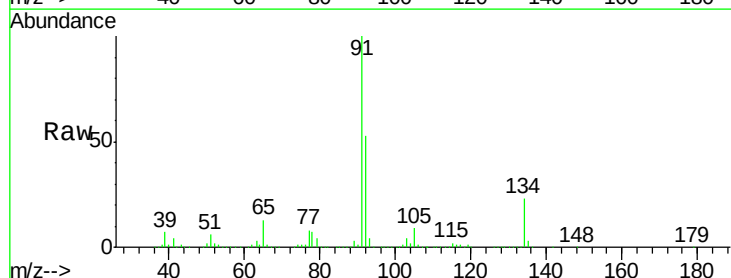
Manual Integrations
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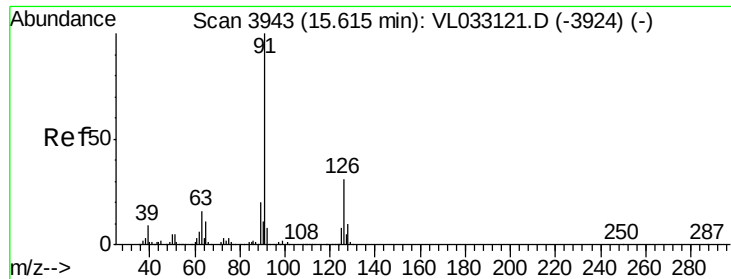
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#70
 n-Butylbenzene
 Concen: 9.870 ppbv
 RT: 18.71 min Scan# 4907
 Delta R.T. -0.00 min
 Lab File: VL033125.D
 Acq: 29 Jan 2019 2:29

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.6	43.0	64.6
134	22.8	18.4	27.6





#71

2-Chlorotoluene

Concen: 9.754 ppbv

RT: 15.62 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion: 91 Resp: 2914381

Ion Ratio Lower Upper

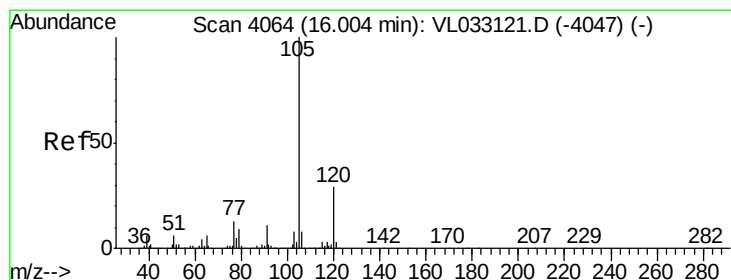
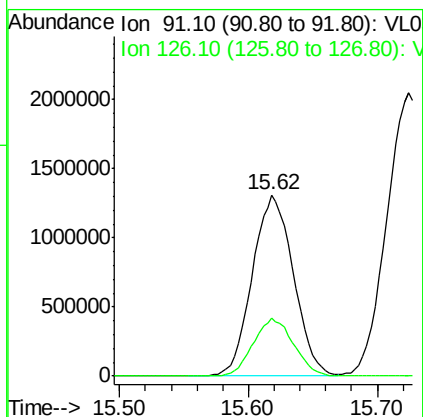
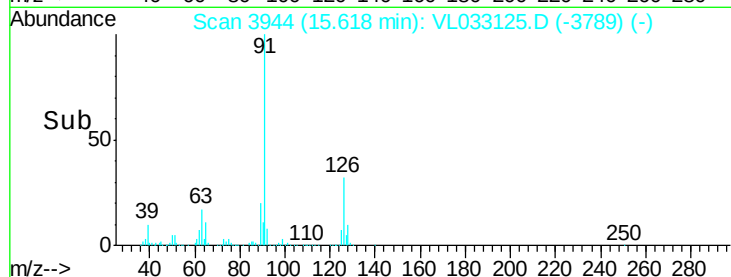
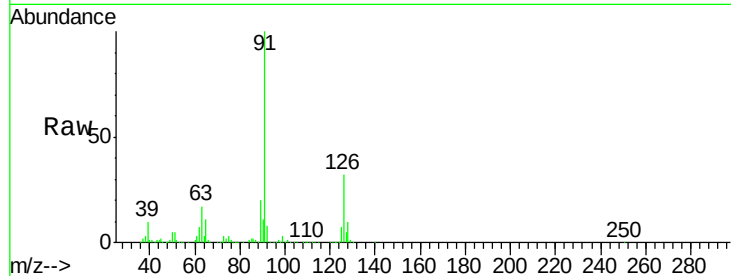
91 100

126 31.3 12.4 49.8

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#72

4-Ethyltoluene

Concen: 9.978 ppbv

RT: 16.00 min Scan# 4063

Delta R.T. -0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Tgt Ion: 105 Resp: 3246858

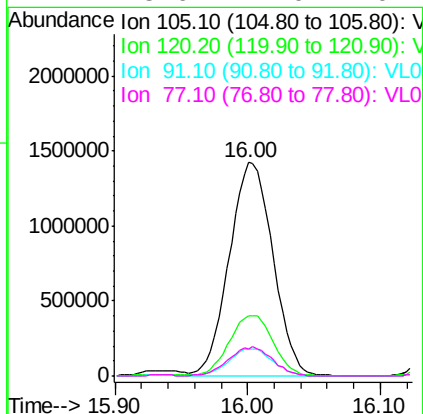
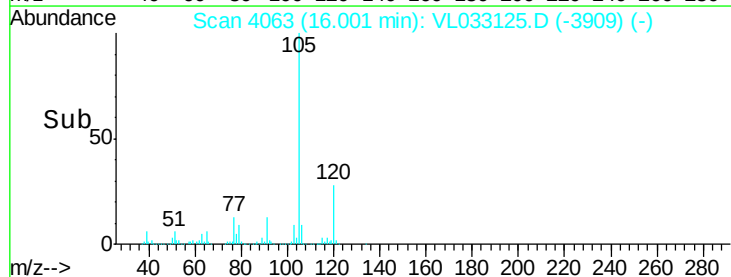
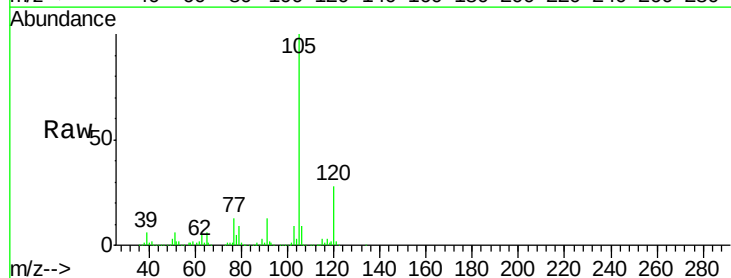
Ion Ratio Lower Upper

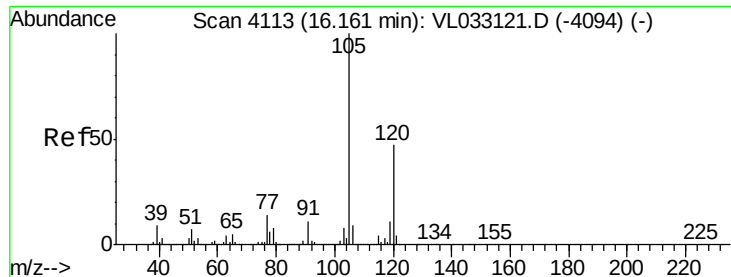
105 100

120 29.6 23.5 35.3

91 12.8 10.3 15.5

77 13.6 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 9.659 ppbv

RT: 16.16 min Scan# 4113

Delta R.T. 0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion:105 Resp: 3074076

Ion Ratio Lower Upper

105 100

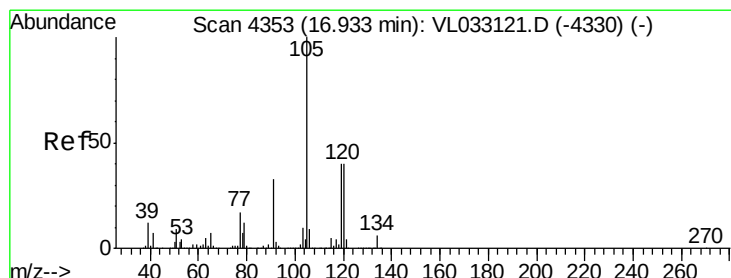
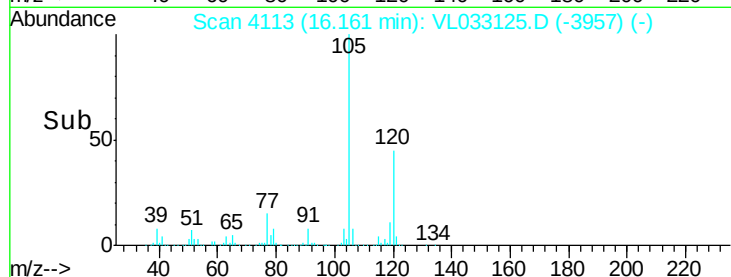
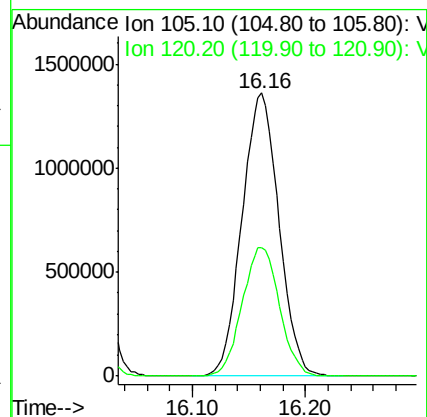
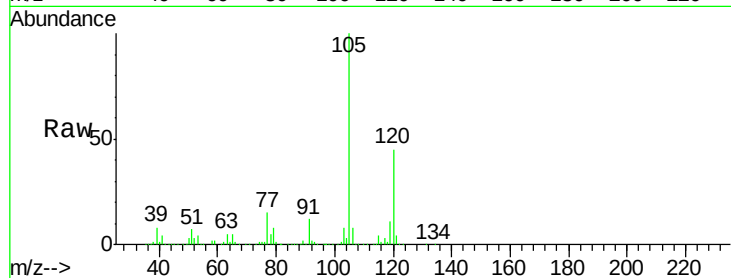
120 45.4 37.5 56.3

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#74

1,2,4-Trimethylbenzene

Concen: 9.473 ppbv

RT: 16.93 min Scan# 4352

Delta R.T. 0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Tgt Ion:105 Resp: 3192874

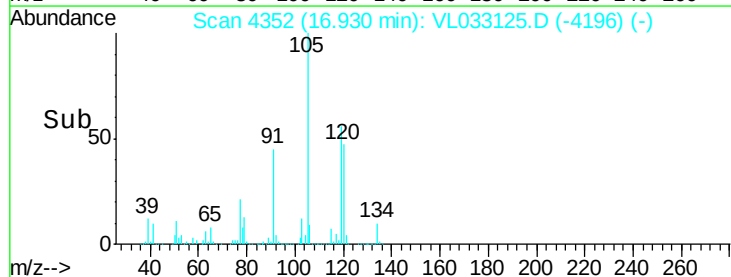
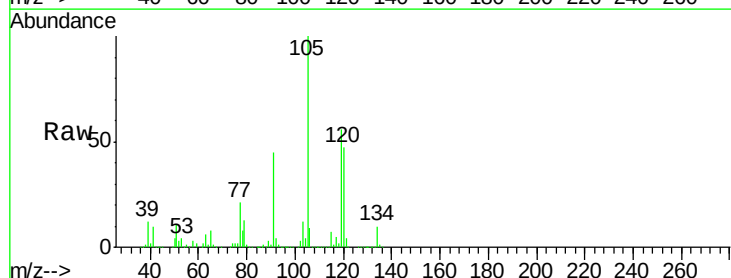
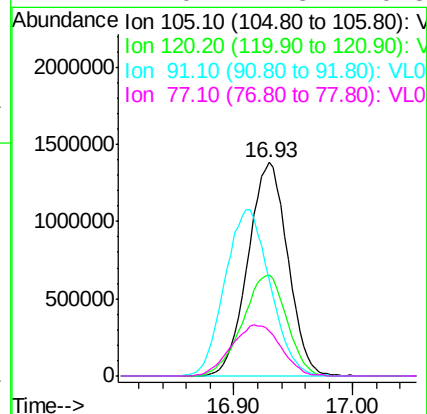
Ion Ratio Lower Upper

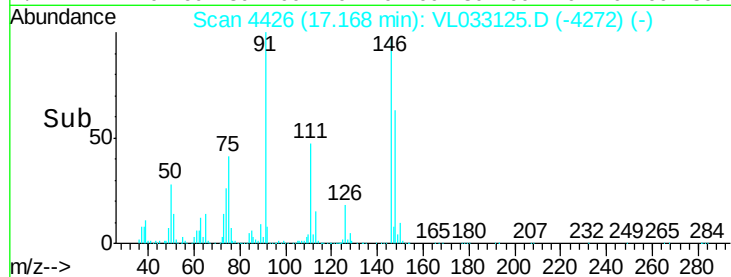
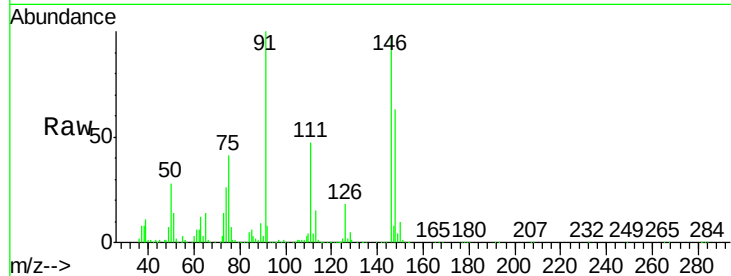
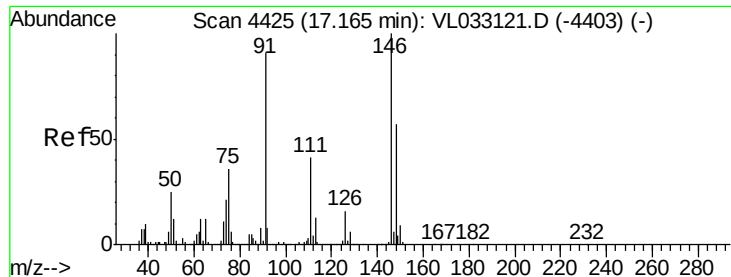
105 100

120 46.9 37.9 56.9

91 44.8 39.8 59.8

77 21.0 17.8 26.8





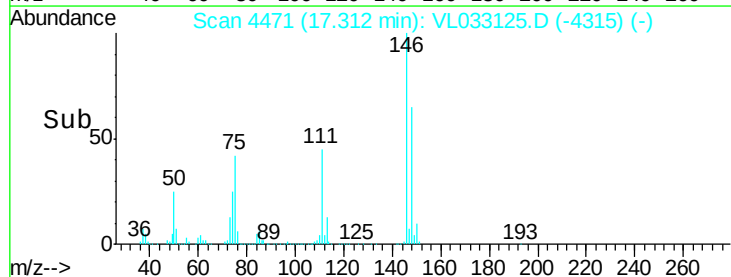
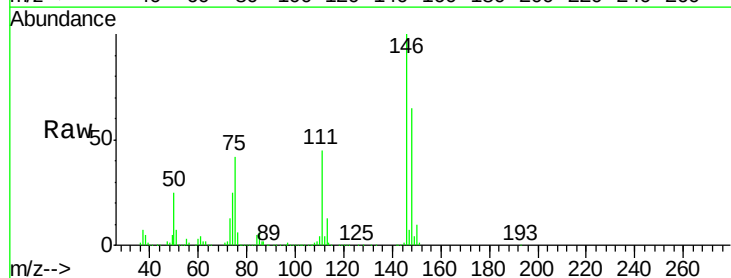
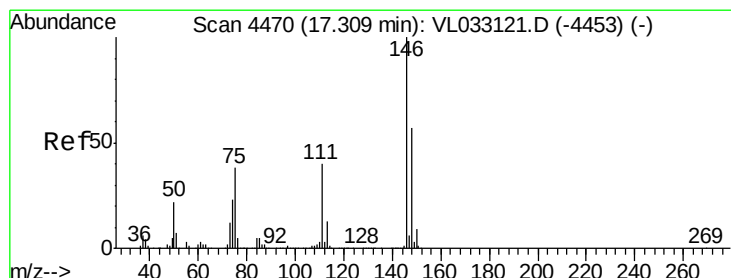
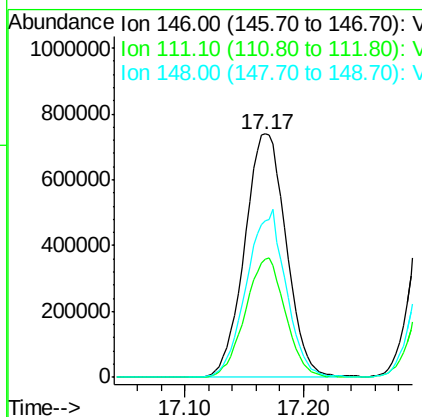
#75
 1,3-Dichlorobenzene
 Concen: 8.767 ppbv
 RT: 17.17 min Scan# 4426
 Delta R.T. -0.00 min
 Lab File: VL033125.D
 Acq: 29 Jan 2019 2:29

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0128ABS01

Tot Ion:146 Resp: 1784790
 Ion Ratio Lower Upper
 146 100
 111 47.4 23.4 70.0
 148 65.2 32.1 96.3

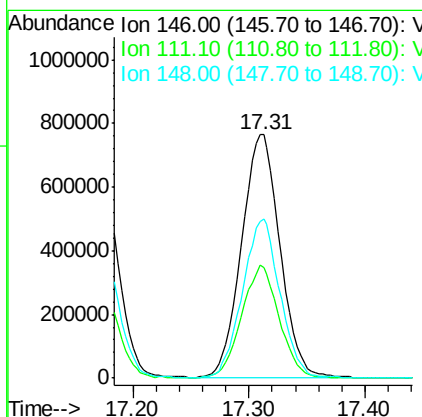
Manual Integrations
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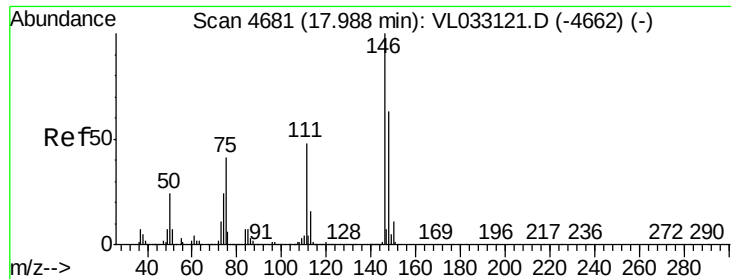
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#76
 1,4-Dichlorobenzene
 Concen: 9.322 ppbv
 RT: 17.31 min Scan# 4471
 Delta R.T. 0.00 min
 Lab File: VL033125.D
 Acq: 29 Jan 2019 2:29

Tgt Ion:146 Resp: 1749060
 Ion Ratio Lower Upper
 146 100
 111 45.8 22.7 68.0
 148 64.4 32.1 96.3





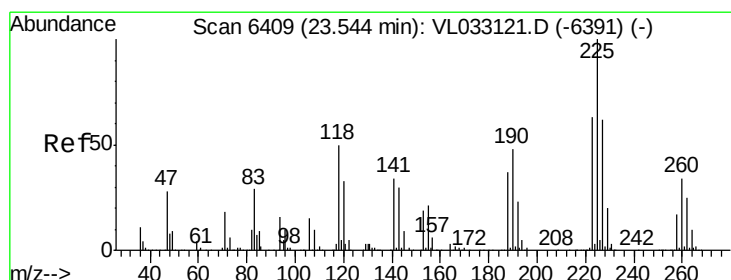
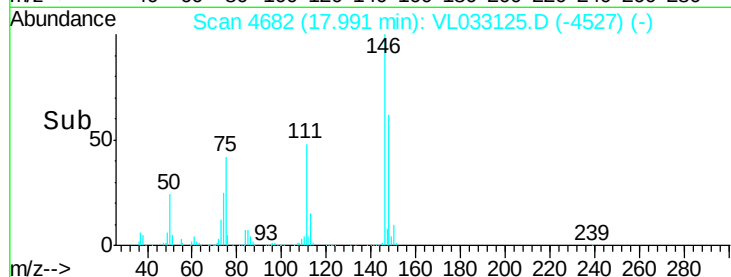
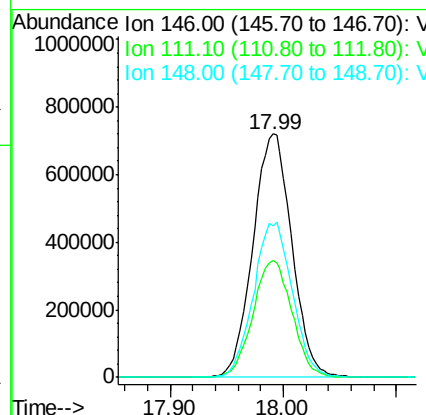
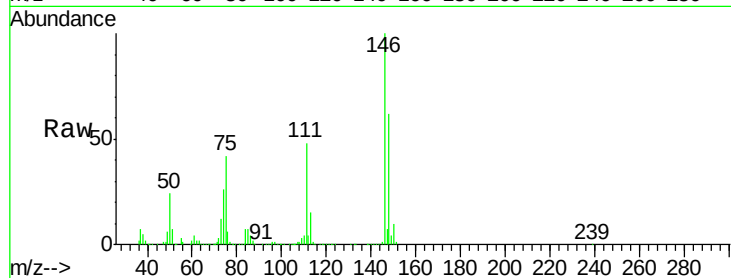
#77
 1,2-Dichlorobenzene
 Concen: 8.397 ppbv
 RT: 17.99 min Scan# 4682
 Delta R.T. -0.00 min
 Lab File: VL033125.D
 Acq: 29 Jan 2019 2:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0128ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.3	24.4	73.2
148	63.9	32.6	97.7

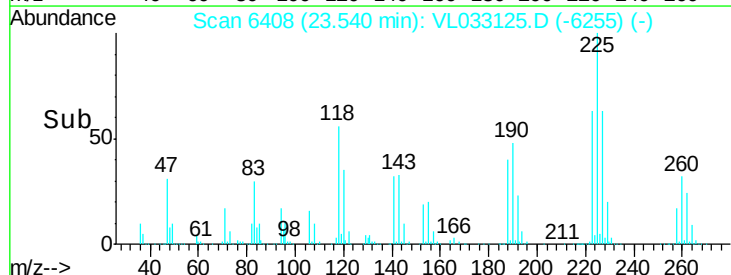
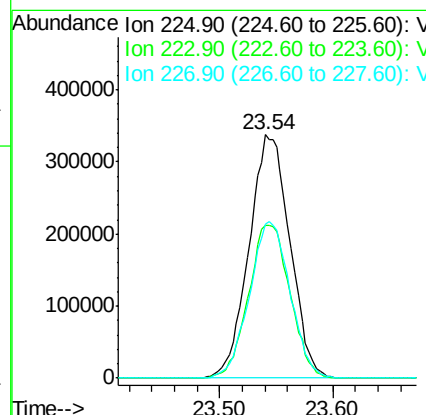
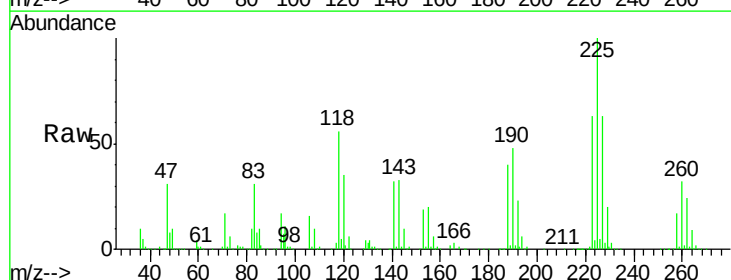
Manual Integrations
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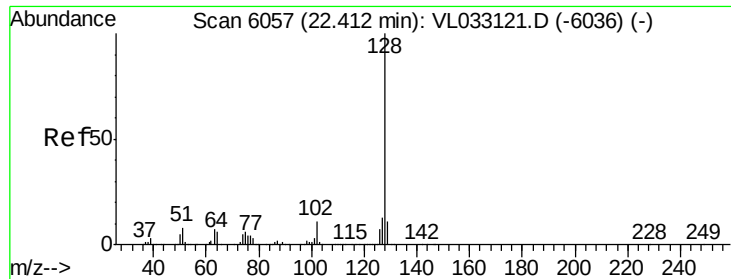
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.063 ppbv
 RT: 23.54 min Scan# 6408
 Delta R.T. -0.01 min
 Lab File: VL033125.D
 Acq: 29 Jan 2019 2:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.5	75.7
227	63.8	51.0	76.4





#79

Naphthalene

Concen: 12.235 ppbv

RT: 22.42 min Scan# 6058

Delta R.T. -0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion:128 Resp: 2537181

Ion Ratio Lower Upper

128 100

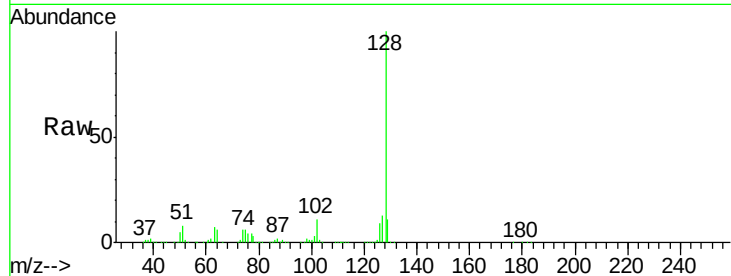
127 13.0 10.6 15.8

129 11.1 9.2 13.8

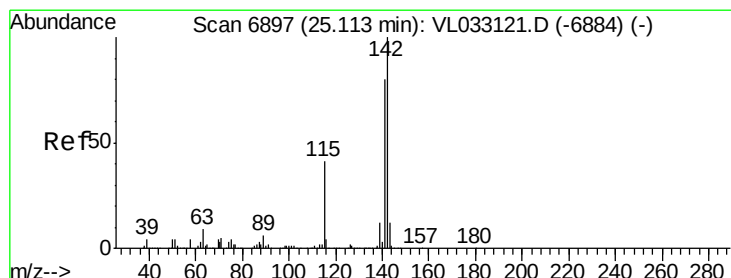
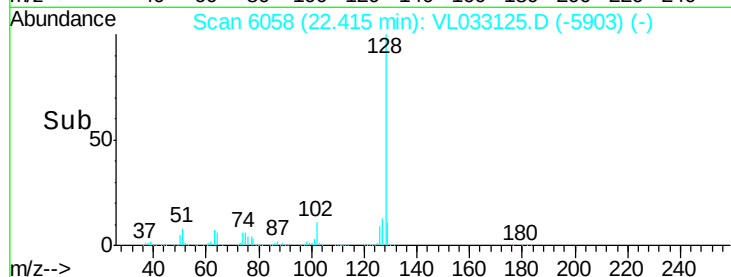
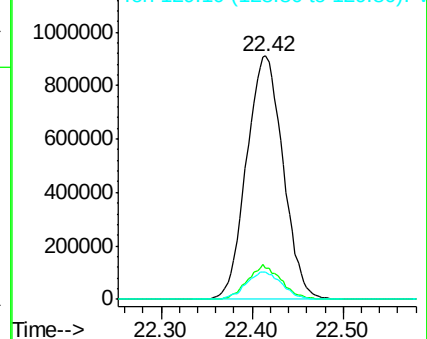
Manual Integrations
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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 14.388 ppbv

RT: 25.12 min Scan# 6898

Delta R.T. -0.00 min

Lab File: VL033125.D

Acq: 29 Jan 2019 2:29

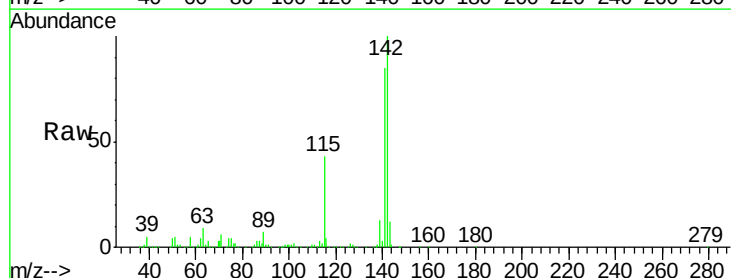
Tgt Ion:142 Resp: 744851

Ion Ratio Lower Upper

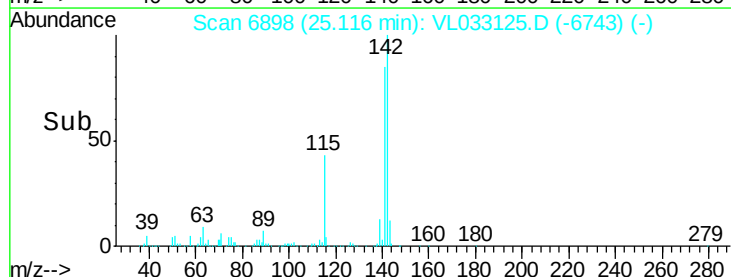
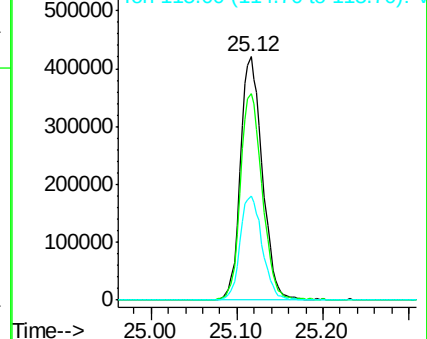
142 100

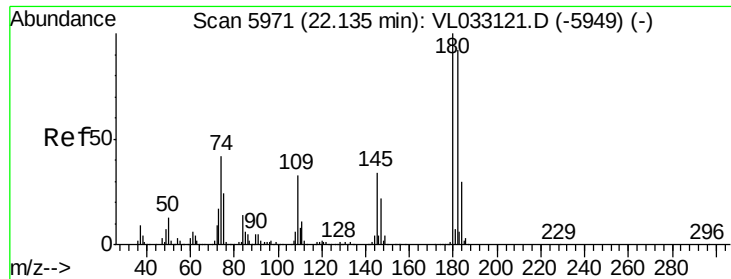
141 84.4 67.4 101.2

115 43.7 34.9 52.3



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





#81
 1,2,4-Trichlorobenzene
 Concen: 11.540 ppbv
 RT: 22.14 min Scan# 5971
 Delta R.T. -0.00 min
 Lab File: VL033125.D
 Acq: 29 Jan 2019 2:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0128ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.5	114.7
184	30.2	24.2	36.4

Manual Integrations
 APPROVED

apatel
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