

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092418\
 Data File : VL032521.D
 Acq On : 24 Sep 2018 21:38
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092418

Manual Integrations
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 9/26/2018 4:47:33 PM

Quant Time: Sep 25 06:03:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 25 2018
 QLast Update : Tue Sep 25 05:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1532132	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.33	114	3654106	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.27	117	3669825m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2806365	10.14	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.09	85	1075423	7.589 ppbv	99
3) Chlorodifluoromethane	3.03	51	1160738	9.110 ppbv	99
4) Chloromethane	3.19	50	670778	9.029 ppbv	98
5) Vinyl Chloride	3.31	62	647485	8.625 ppbv	99
6) Bromomethane	3.53	94	391173	9.528 ppbv	100
7) Chloroethane	3.62	64	267565	10.003 ppbv	100
8) Dichlorotetrafluoroethane	3.24	85	1410232	9.108 ppbv	100
9) Propene	3.05	41	525654	9.509 ppbv	98
10) Heptane	8.28	43	2066744	10.193 ppbv	97
11) Trichlorofluoromethane	4.02	101	1561577	9.270 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.58	101	1256838	9.127 ppbv	99
13) Ethanol	3.67	45	147997	8.907 ppbv	97
14) Bromoethene	3.81	108	478570	9.794 ppbv	100
15) Acetone	3.92	43	1175680	8.742 ppbv	100
16) 1,3-Butadiene	3.38	39	542345	9.944 ppbv	98
17) tert-Butyl alcohol	4.38	59	143417	8.486 ppbv #	100
18) 1,1-Dichloroethene	4.37	96	616728	9.563 ppbv	99
19) Isopropyl Alcohol	4.04	45	917240	9.792 ppbv	99
20) Methylene Chloride	4.43	84	540902	8.306 ppbv	98
21) Allyl Chloride	4.50	41	1064093	9.681 ppbv	99
22) trans-1,2-Dichloroethene	4.98	96	587296	9.663 ppbv	98
23) Vinyl Acetate	5.18	43	2438331	10.260 ppbv	99
24) 1,1-Dichloroethane	5.12	63	1828718	9.241 ppbv	99
25) Ethyl Acetate	5.80	43	3068020	9.402 ppbv	100
26) Hexane	5.80	57	1414778	9.598 ppbv	99
27) Carbon Disulfide	4.64	76	1599996	10.097 ppbv	98
28) Methyl tert-Butyl Ether	5.14	73	1849990	10.075 ppbv	99
29) Chloroform	5.88	83	2114653	9.350 ppbv	98
30) Cyclohexane	7.28	84	1264364	10.534 ppbv	100
31) cis-1,2-Dichloroethene	5.67	61	1428275	10.174 ppbv	100
32) 1,1,1-Trichloroethane	6.65	97	2015490	8.362 ppbv	99
34) 2-Butanone	5.35	43	2074496	9.533 ppbv	100
35) Carbon Tetrachloride	7.16	117	2273474	8.954 ppbv	100
36) Benzene	7.04	78	2814650	9.531 ppbv	98
37) 1,2-Dichloroethane	6.44	62	1646615	9.252 ppbv	99
38) Trichloroethene	7.99	130	1139177	10.078 ppbv	97
39) 1,2-Dichloropropane	7.77	63	1249892	9.392 ppbv	100
40) 1,4-Dioxane	7.99	88	395586	9.695 ppbv	93
41) Tetrahydrofuran	6.17	42	1212619	10.257 ppbv	98
42) Bromodichloromethane	7.95	83	2567227	9.628 ppbv	98
43) Methyl Methacrylate	8.17	69	1304416	10.574 ppbv	99

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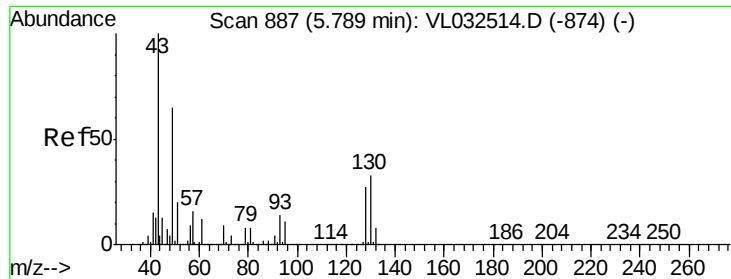
Manual Integrations
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Quant Time: Sep 25 06:03:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 25 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.02	57	5526730	9.576	ppbv	100
45) t-1,3-Dichloropropene	9.45	75	1807619	11.779	ppbv	99
46) cis-1,3-Dichloropropene	8.87	75	1735249	9.641	ppbv	99
47) 1,1,2-Trichloroethane	9.65	97	1391736	9.416	ppbv	98
48) Dibromochloromethane	10.49	129	2281610	9.817	ppbv	100
49) Bromoform	13.24	173	1758805	9.904	ppbv	100
50) 4-Methyl-2-Pentanone	8.90	43	2940828	8.598	ppbv	99
51) 2-Hexanone	10.30	43	2983735	10.548	ppbv	99
52) Tetrachloroethene	11.41	164	973482	9.468	ppbv	97
53) Toluene	9.98	91	3860129	10.727	ppbv	99
54) 1,2-Dibromoethane	10.80	107	2086987	9.927	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.32	131	1526693	9.255	ppbv #	59
57) Chlorobenzene	12.34	112	2708165	9.161	ppbv	99
58) Ethyl Benzene	12.90	91	4797383	10.777	ppbv	98
59) m/p-Xylene	13.18	91	7934011m	20.032	ppbv	
60) o-Xylene	13.88	91	3870812	10.038	ppbv	99
61) Styrene	13.72	104	2898096	11.489	ppbv	99
62) Isopropylbenzene	14.86	105	5469858	10.030	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.87	83	2958641	8.636	ppbv	100
64) n-propylbenzene	15.76	120	1419911	10.135	ppbv	98
65) tert-Butylbenzene	16.94	119	4610418	9.864	ppbv	99
66) Benzyl Chloride	17.19	91	2922374	10.848	ppbv	100
67) sec-Butylbenzene	17.49	105	6825555	9.822	ppbv	99
69) p-Isopropyltoluene	17.85	119	5477656	10.205	ppbv	100
70) n-Butylbenzene	18.75	91	6014014	10.258	ppbv	100
71) 2-Chlorotoluene	15.65	91	4296224	10.344	ppbv	100
72) 4-Ethyltoluene	16.04	105	4532128	10.828	ppbv	99
73) 1,3,5-Trimethylbenzene	16.19	105	4298655	10.568	ppbv	97
74) 1,2,4-Trimethylbenzene	16.96	105	4332940	9.893	ppbv	95
75) 1,3-Dichlorobenzene	17.20	146	2444856	9.047	ppbv	99
76) 1,4-Dichlorobenzene	17.34	146	2440631	9.863	ppbv	100
77) 1,2-Dichlorobenzene	18.02	146	2402146	9.452	ppbv	100
78) Hexachloro-1,3-Butadiene	23.57	225	834398	8.748	ppbv	99
79) Naphthalene	22.45	128	4002994	12.673	ppbv	100
80) Naphthalene, 2-methyl-	25.14	142	1483824	20.009	ppbv	99
81) 1,2,4-Trichlorobenzene	22.17	180	1908281	11.787	ppbv	99

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



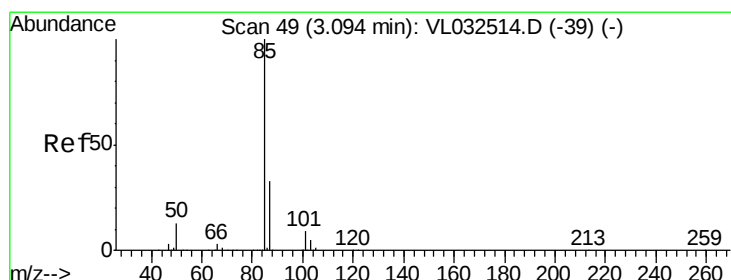
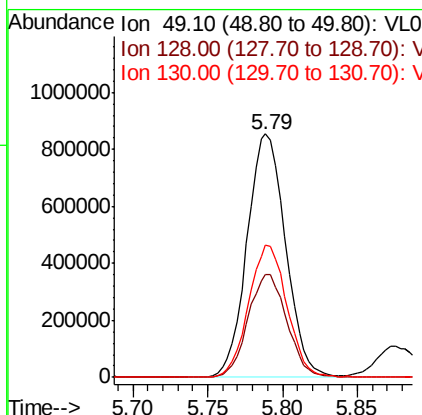
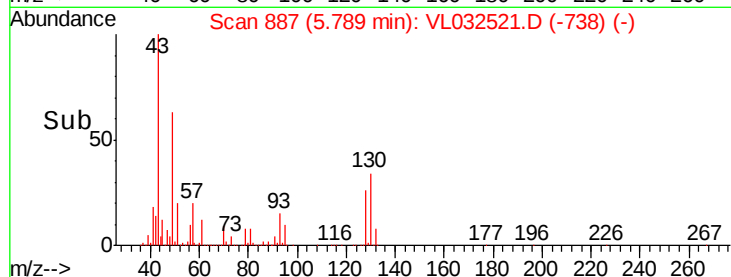
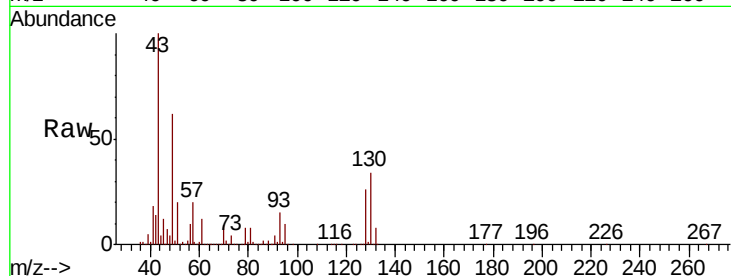
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.79 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: VL032521.D
 Acq: 24 Sep 2018 21:38

Instrument :
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 ClientSampleId :
 ICVVL092418

Tot Ion	Ratio	Lower	Upper
49	100		
128	42.8	20.7	62.1
130	54.4	26.6	79.7

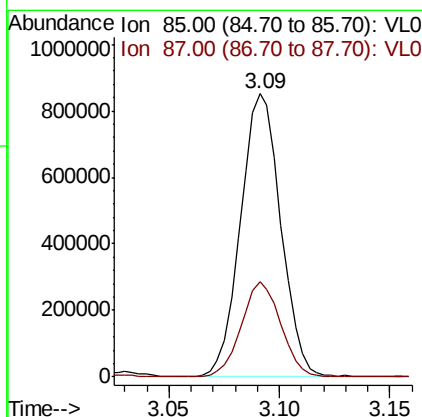
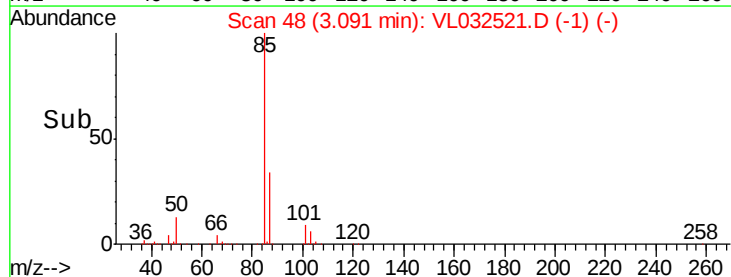
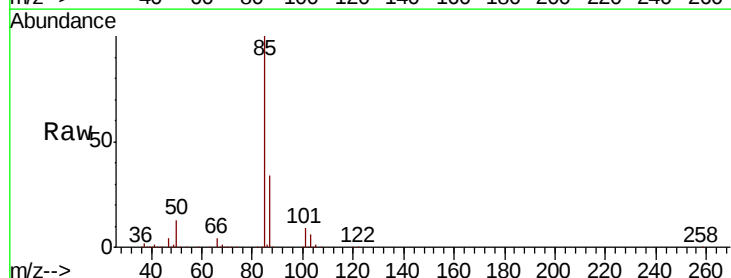
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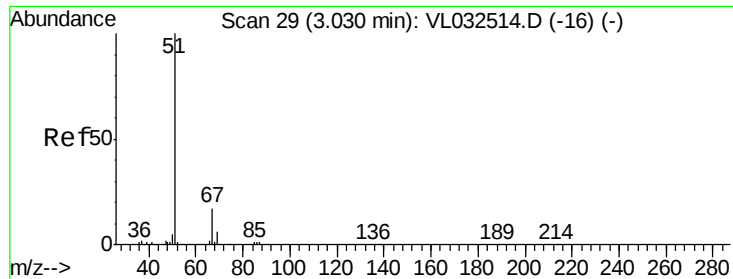
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#2
 Dichlorodifluoromethane
 Concen: 7.589 ppbv
 RT: 3.09 min Scan# 48
 Delta R.T. -0.02 min
 Lab File: VL032521.D
 Acq: 24 Sep 2018 21:38

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.6	26.2	39.4





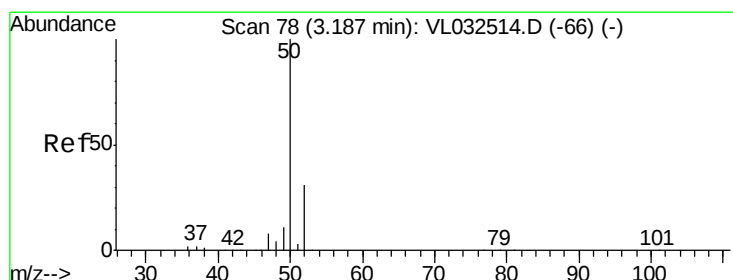
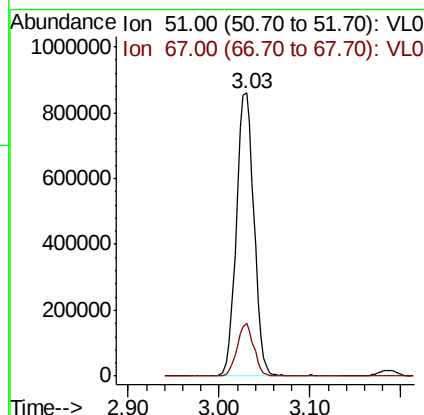
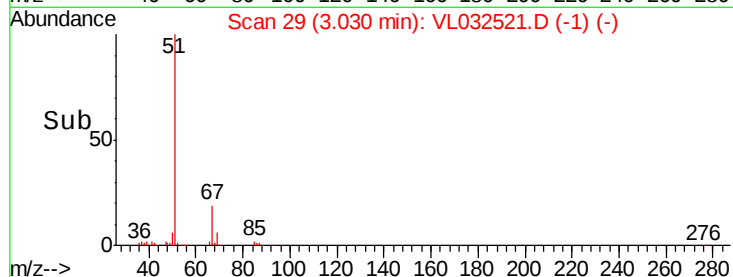
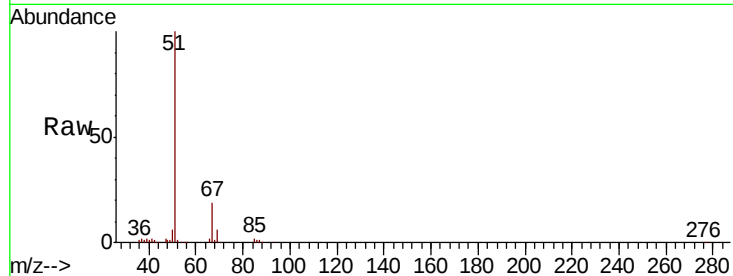
#3
Chlorodifluoromethane
Concen: 9.110 ppbv
RT: 3.03 min Scan# 29
Delta R.T. -0.01 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092418

Tot Ion: 51 Resp: 1160738
Ion Ratio Lower Upper
51 100
67 17.6 13.8 20.8

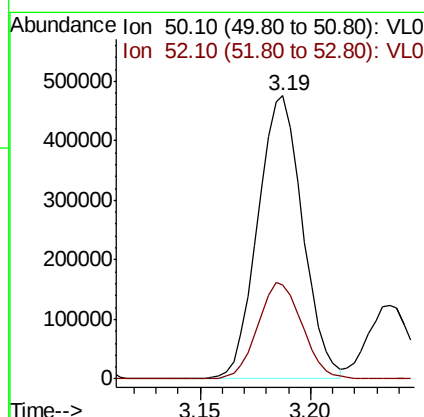
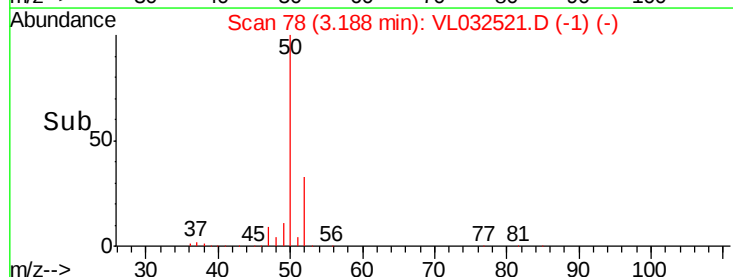
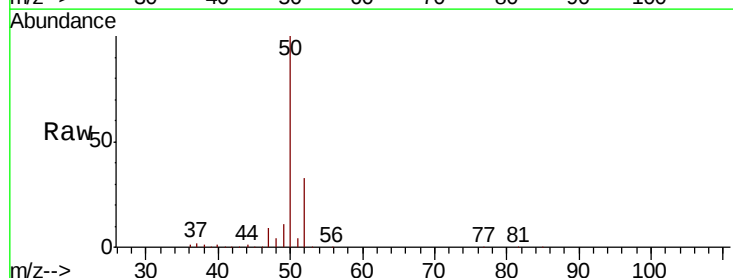
Manual Integrations
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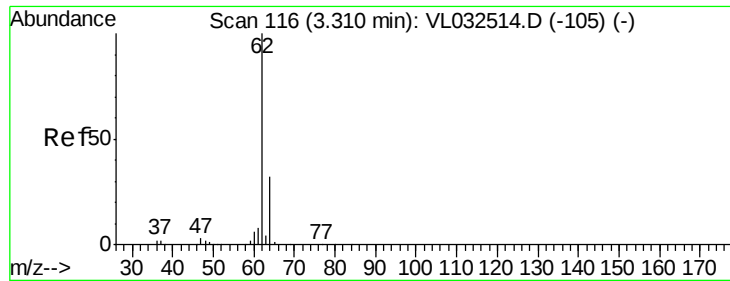
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#4
Chloromethane
Concen: 9.029 ppbv
RT: 3.19 min Scan# 78
Delta R.T. -0.01 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Tgt Ion: 50 Resp: 670778
Ion Ratio Lower Upper
50 100
52 33.2 25.6 38.4





#5

Vinyl Chloride

Concen: 8.625 ppbv

RT: 3.31 min Scan# 115

Delta R.T. -0.02 min

Lab File: VL032521.D

Acq: 24 Sep 2018 21:38

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092418

Tot Ion: 62 Resp: 647485

Ion Ratio Lower Upper

62 100

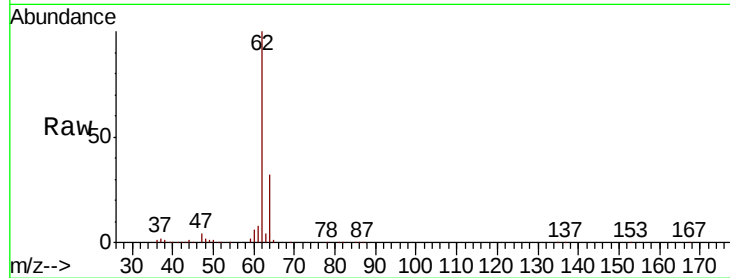
64 31.9 25.0 37.6

Manual Integrations

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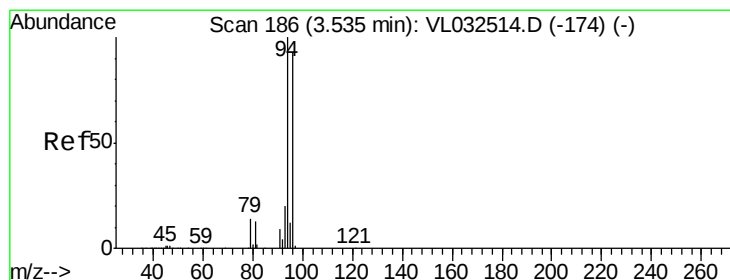
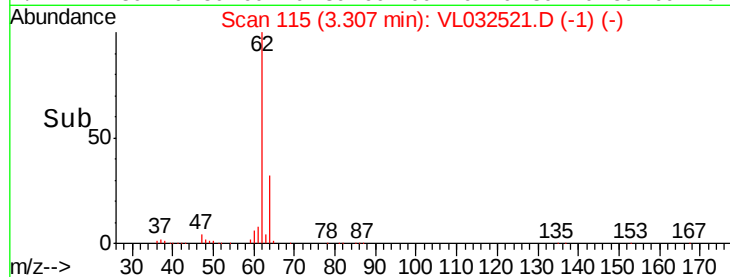
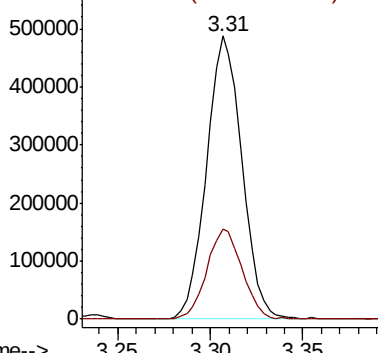
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.528 ppbv

RT: 3.53 min Scan# 185

Delta R.T. -0.02 min

Lab File: VL032521.D

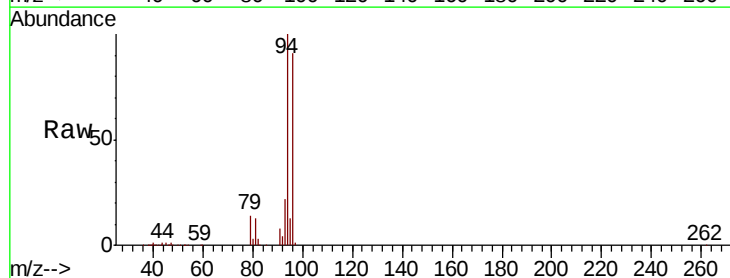
Acq: 24 Sep 2018 21:38

Tgt Ion: 94 Resp: 391173

Ion Ratio Lower Upper

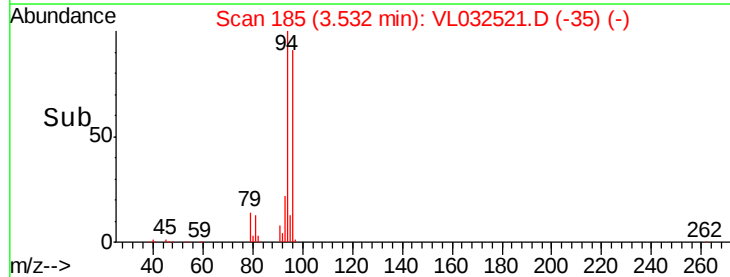
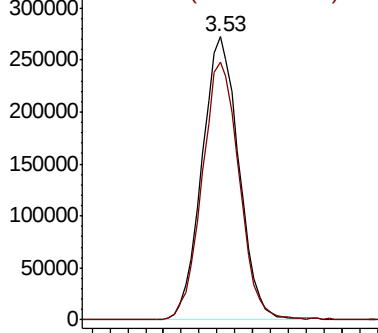
94 100

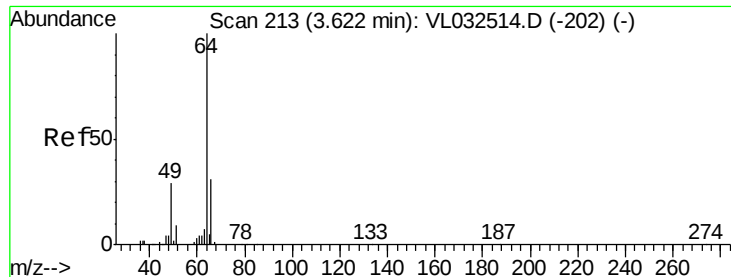
96 90.9 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.003 ppbv

RT: 3.62 min Scan# 212

Delta R.T. -0.02 min

Lab File: VL032521.D

Acq: 24 Sep 2018 21:38

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092418

Tot Ion: 64 Resp: 267565

Ion Ratio Lower Upper

64 100

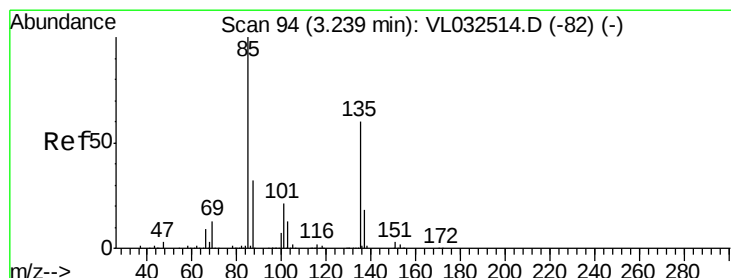
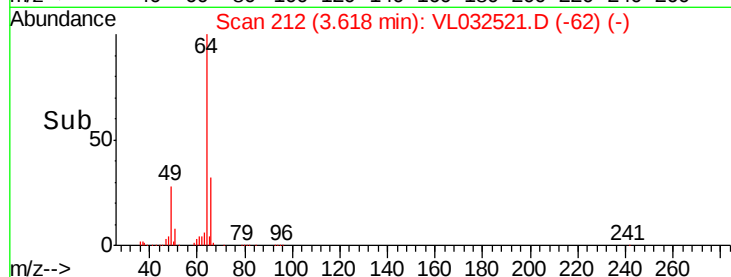
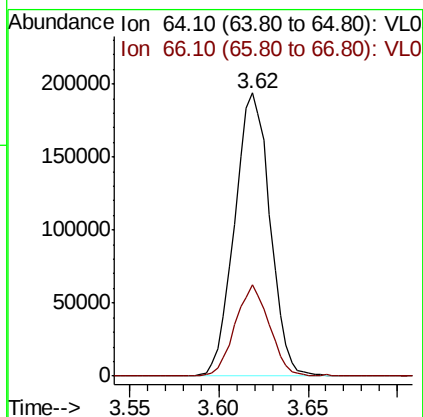
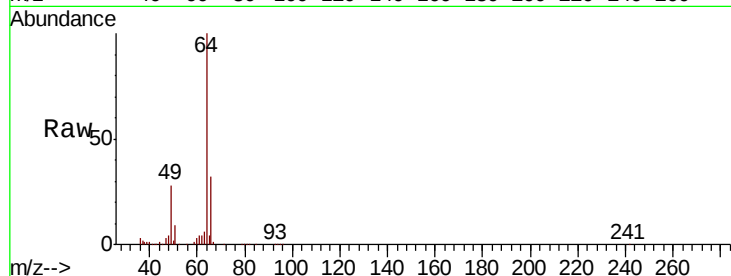
66 32.1 25.8 38.6

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#8

Dichlorotetrafluoroethane

Concen: 9.108 ppbv

RT: 3.24 min Scan# 93

Delta R.T. -0.02 min

Lab File: VL032521.D

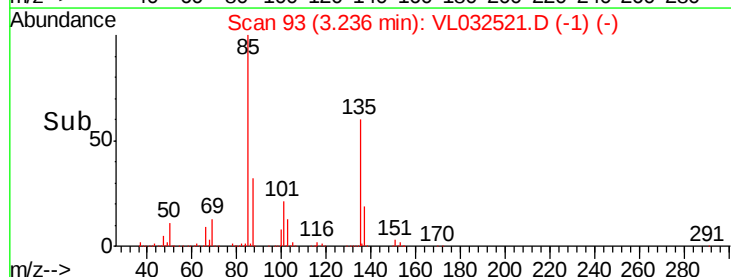
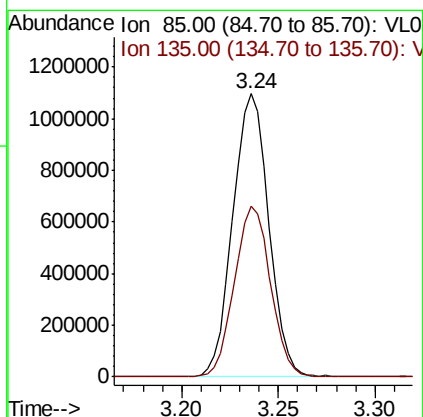
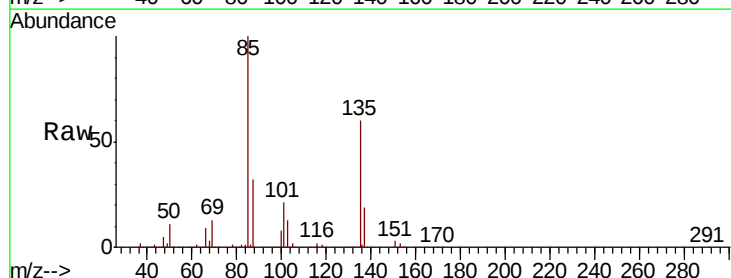
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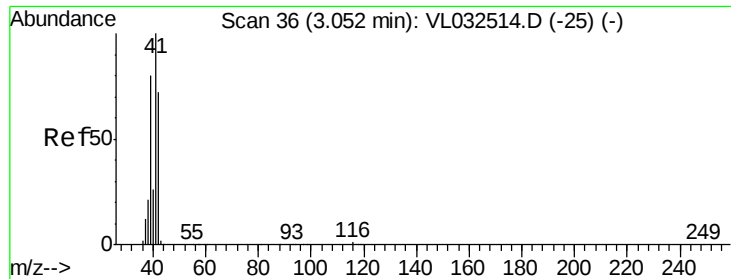
Tgt Ion: 85 Resp: 1410232

Ion Ratio Lower Upper

85 100

135 60.9 48.6 72.8





#9

Propene

Concen: 9.509 ppbv

RT: 3.05 min Scan# 36

Delta R.T. -0.01 min

Lab File: VL032521.D

Acq: 24 Sep 2018 21:38

Instrument :

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ClientSampleId :

ICVVL092418

Tot Ion: 41 Resp: 525654

Ion Ratio Lower Upper

41 100

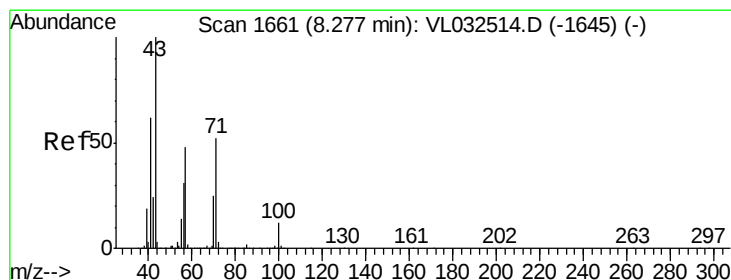
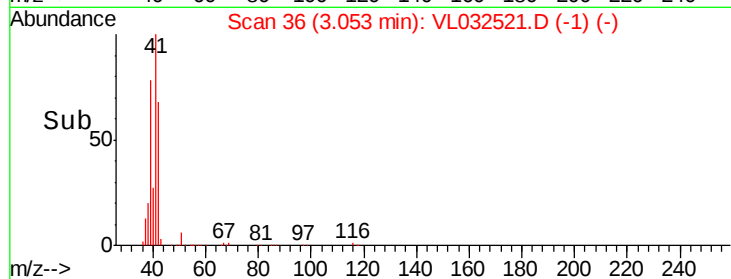
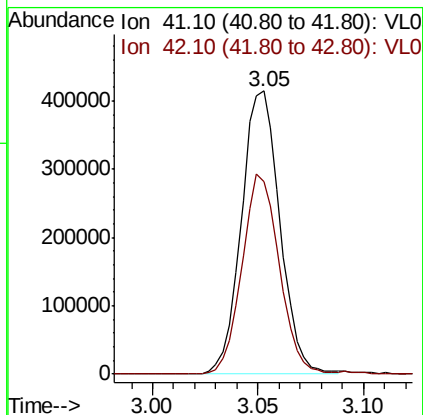
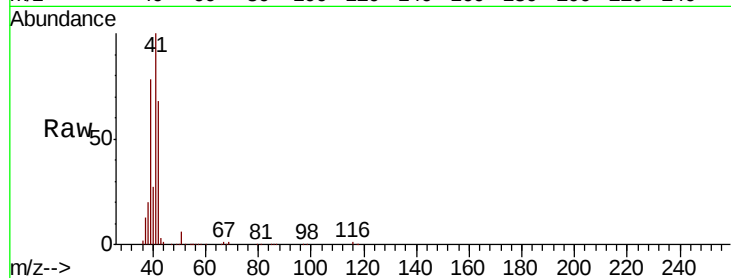
42 69.4 56.6 84.8

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#10

Heptane

Concen: 10.193 ppbv

RT: 8.28 min Scan# 1661

Delta R.T. -0.02 min

Lab File: VL032521.D

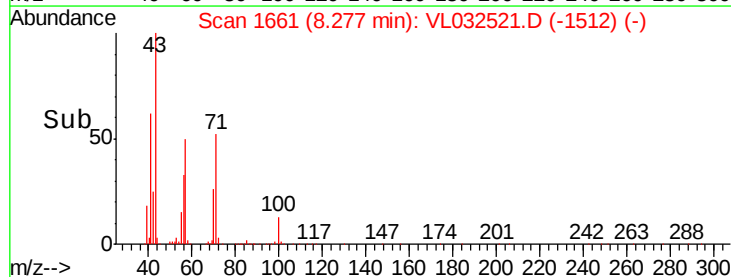
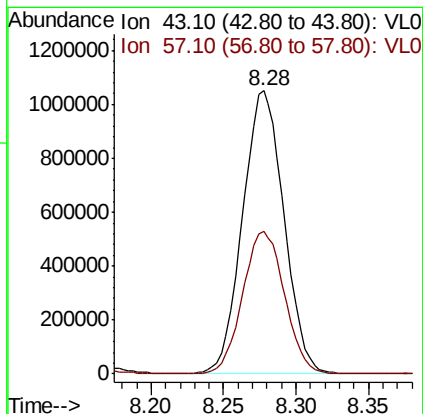
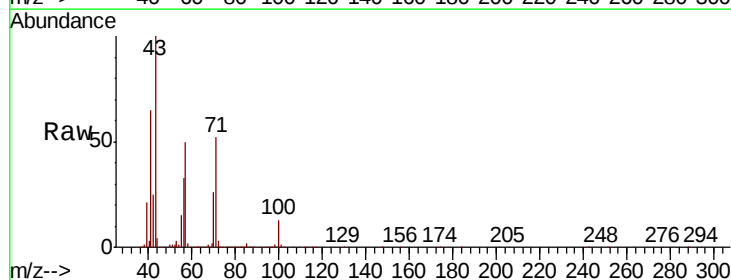
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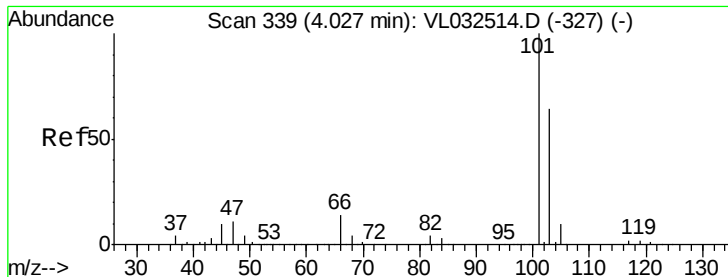
Tgt Ion: 43 Resp: 2066744

Ion Ratio Lower Upper

43 100

57 51.3 39.6 59.4





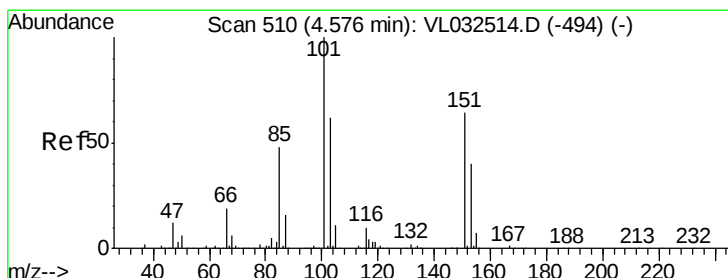
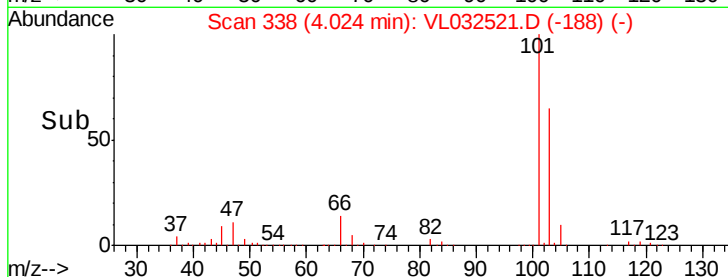
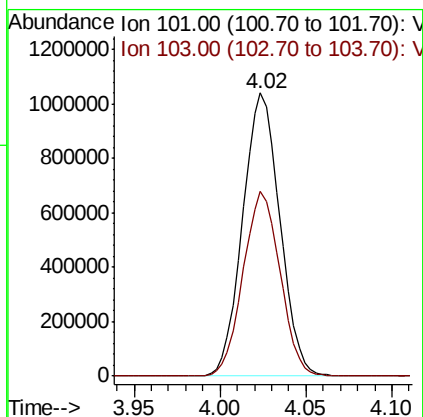
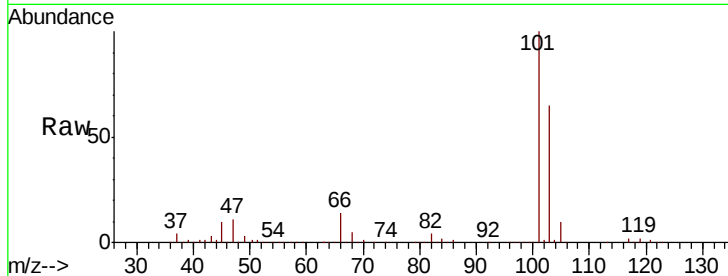
#11
 Trichlorofluoromethane
 Concen: 9.270 ppbv
 RT: 4.02 min Scan# 338
 Delta R.T. -0.02 min
 Lab File: VL032521.D
 Acq: 24 Sep 2018 21:38

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092418

Tot Ion:101 Resp: 1561577
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.8 79.2

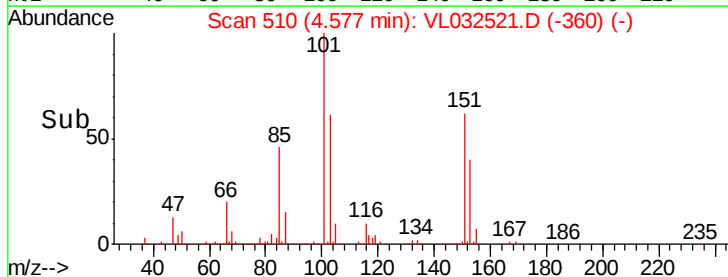
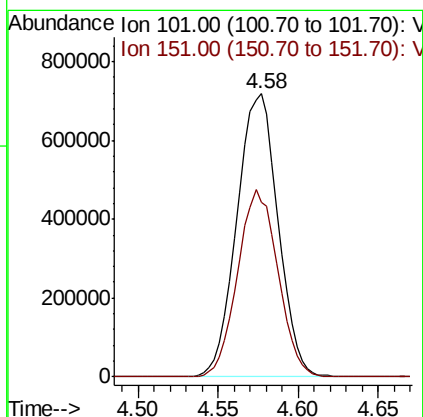
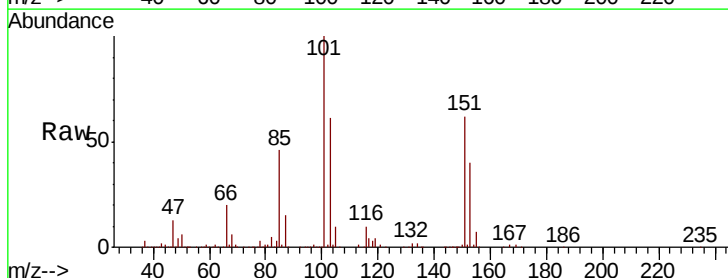
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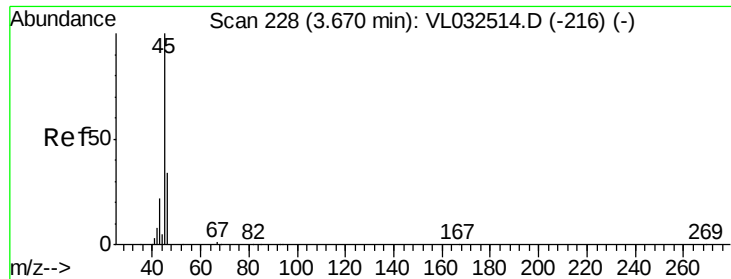
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.127 ppbv
 RT: 4.58 min Scan# 510
 Delta R.T. -0.02 min
 Lab File: VL032521.D
 Acq: 24 Sep 2018 21:38

Tgt Ion:101 Resp: 1256838
 Ion Ratio Lower Upper
 101 100
 151 65.0 52.6 78.8





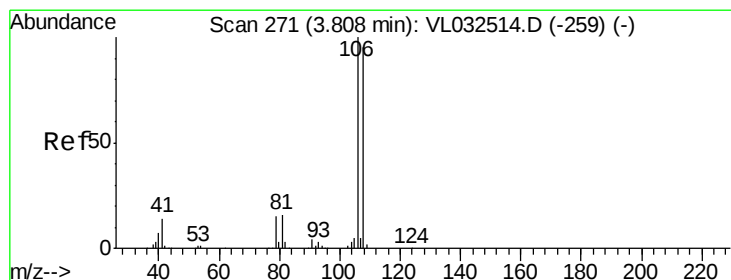
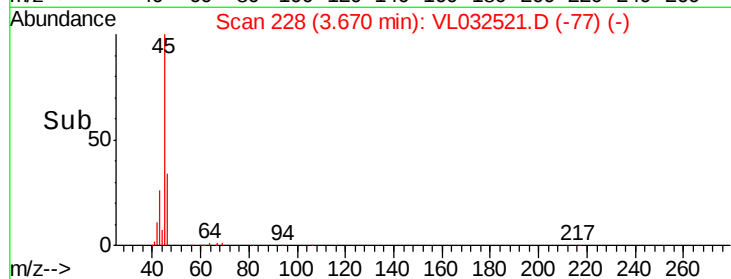
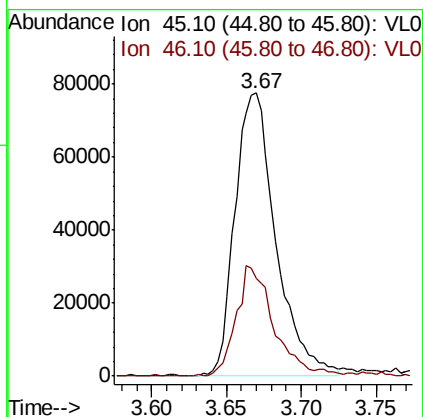
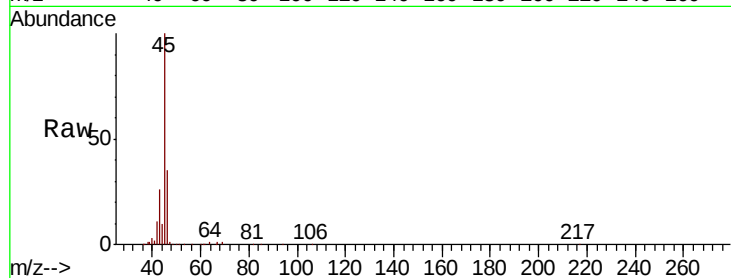
#13
Ethanol
Concen: 8.907 ppbv
RT: 3.67 min Scan# 228
Delta R.T. -0.01 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092418

Tot Ion	45	Resp	147997
Ion Ratio	100	Lower	Upper
46	37.5	14.2	56.8

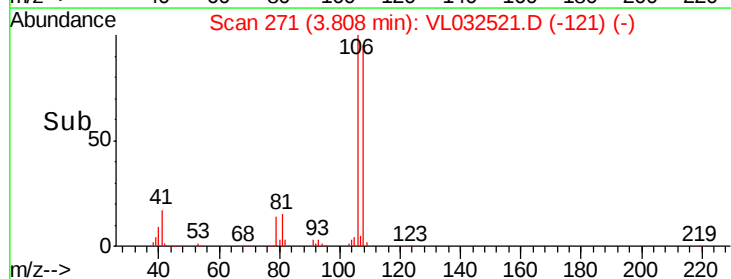
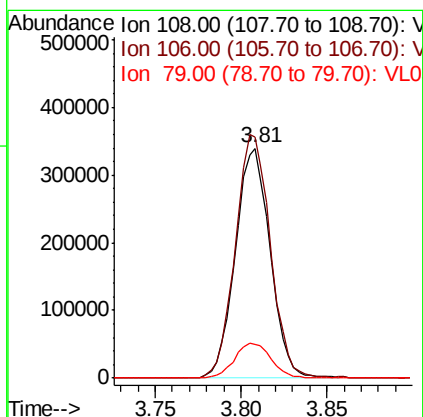
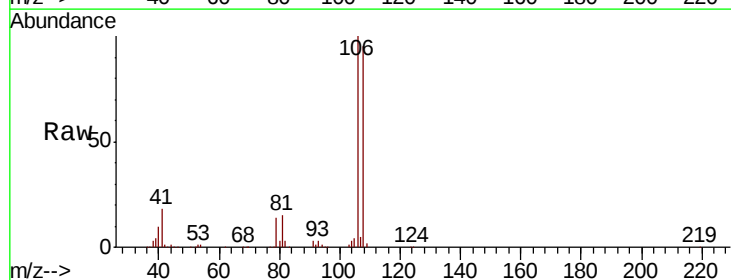
Manual Integrations
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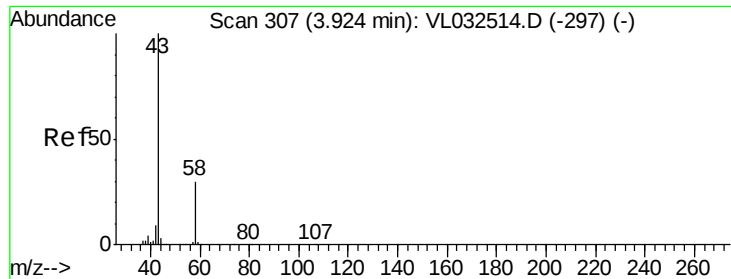
apatel
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#14
Bromoethene
Concen: 9.794 ppbv
RT: 3.81 min Scan# 271
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Tgt Ion	108	Resp	478570
Ion Ratio	100	Lower	Upper
106	106.8	85.5	128.3
79	16.2	13.0	19.6





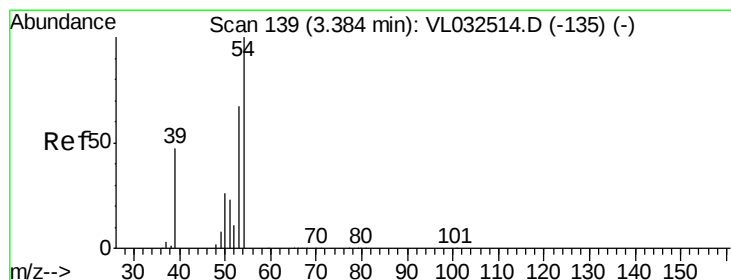
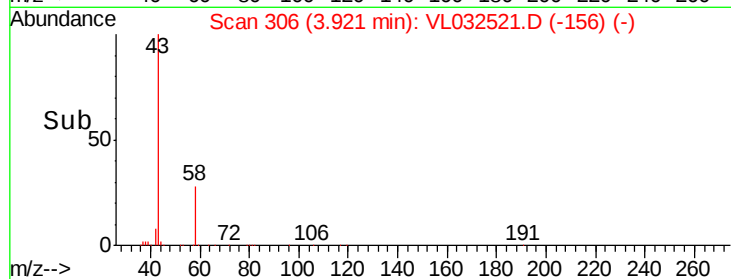
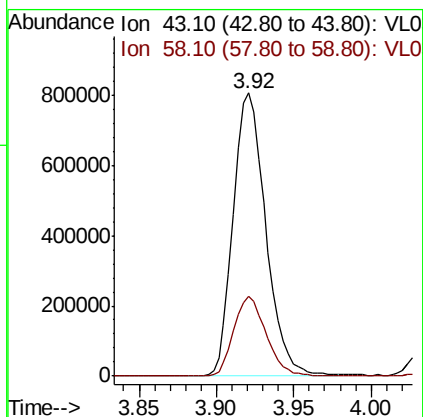
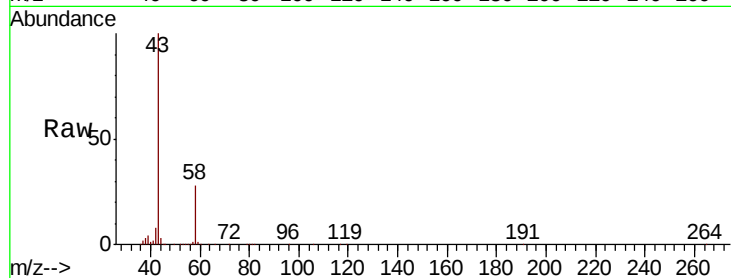
#15
Acetone
Concen: 8.742 ppbv
RT: 3.92 min Scan# 306
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092418

Tot Ion: 43 Resp: 1175680
Ion Ratio Lower Upper
43 100
58 28.3 22.6 33.8

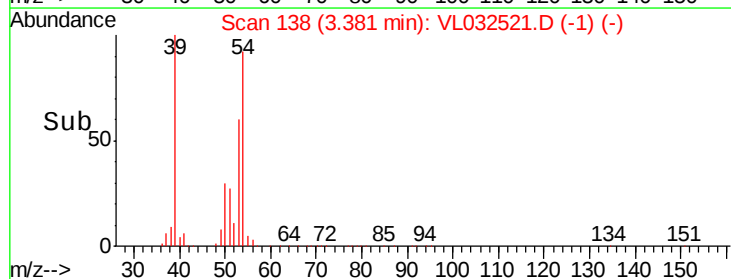
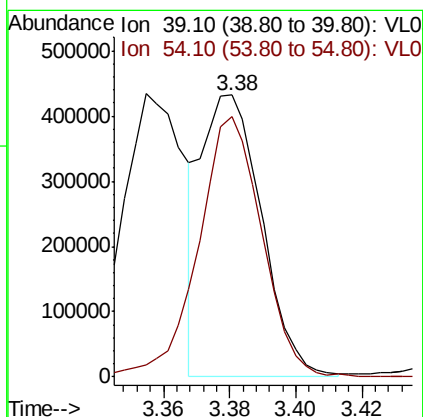
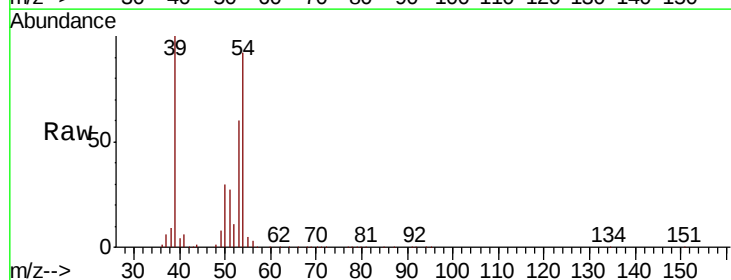
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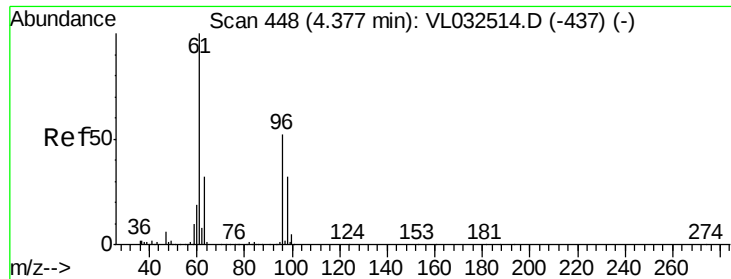
apatel
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#16
1,3-Butadiene
Concen: 9.944 ppbv
RT: 3.38 min Scan# 138
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Tgt Ion: 39 Resp: 542345
Ion Ratio Lower Upper
39 100
54 98.9 80.8 121.2





#17

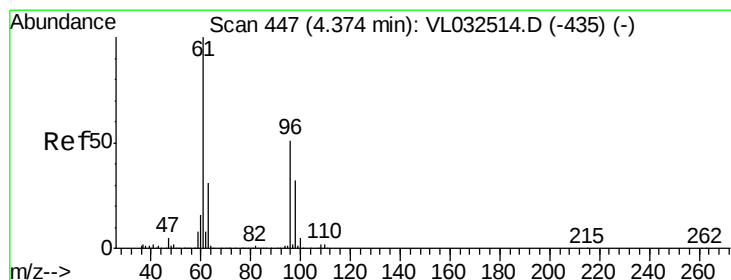
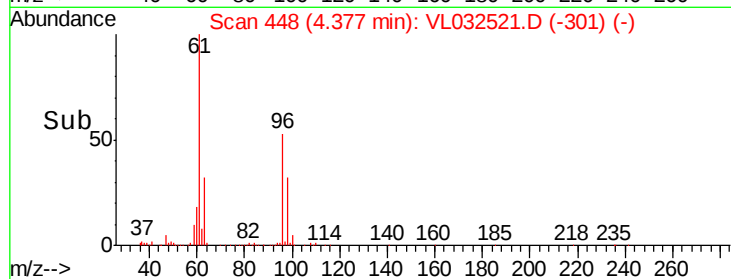
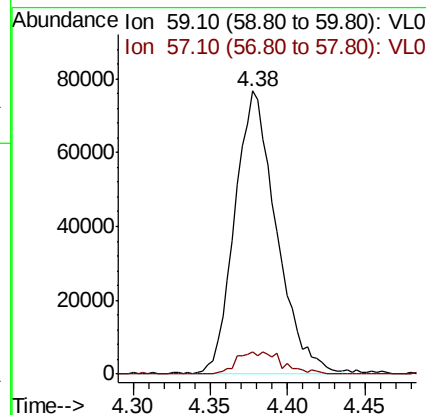
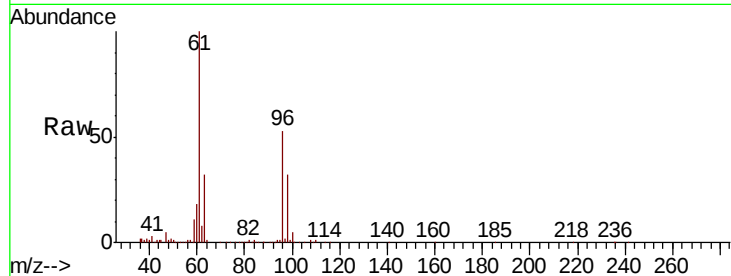
tert-Butyl alcohol
Concen: 8.486 ppbv
RT: 4.38 min Scan# 448
Delta R.T. -0.03 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092418

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.7	0.0	0.0#

Manual Integrations
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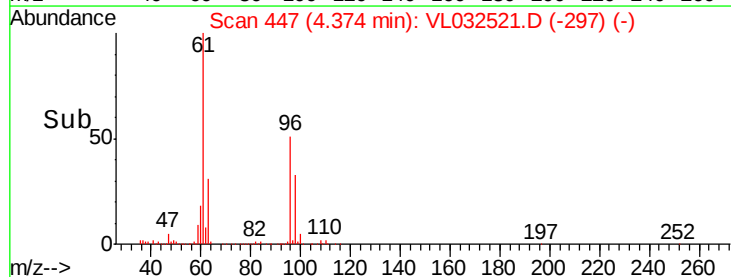
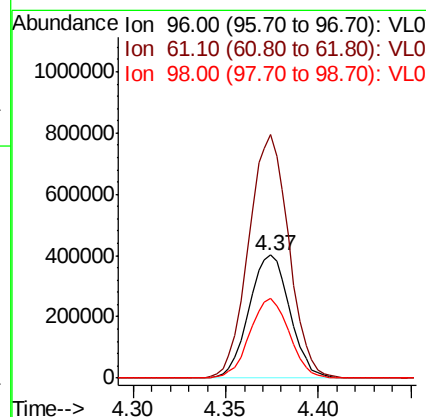
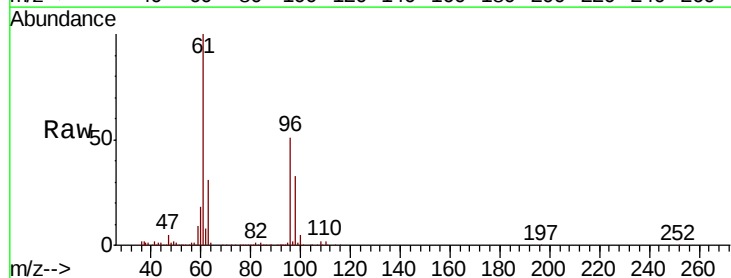
apatel
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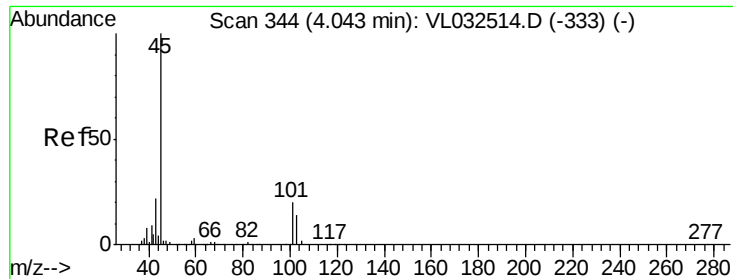


#18

1,1-Dichloroethene
Concen: 9.563 ppbv
RT: 4.37 min Scan# 447
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	198.0	159.2	238.8
98	65.1	51.0	76.4





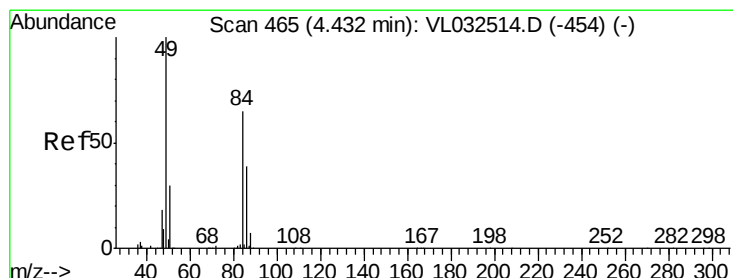
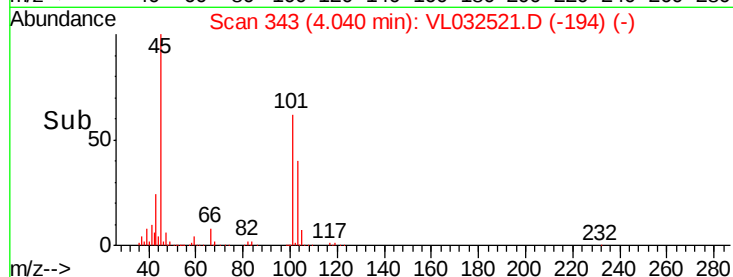
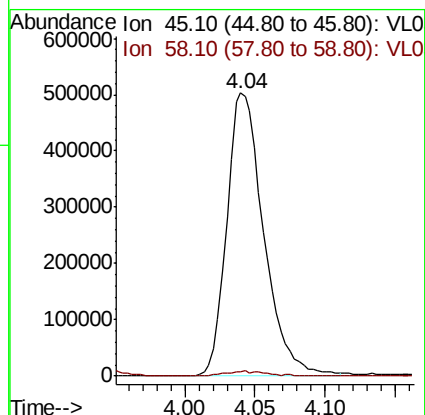
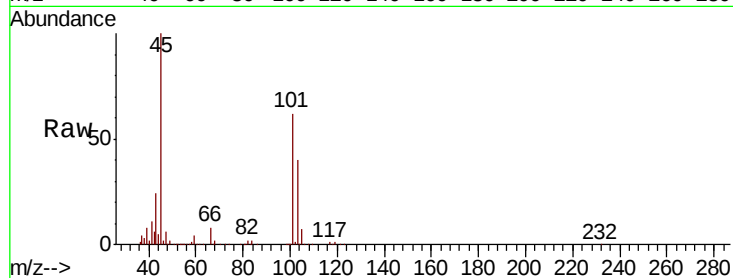
#19
Isopropyl Alcohol
Concen: 9.792 ppbv
RT: 4.04 min Scan# 343
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Instrument :
MSVOA_L
ClientSampled :
ICVVL092418

Tot Ion: 45 Resp: 917240
Ion Ratio Lower Upper
45 100
58 2.2 2.0 3.0

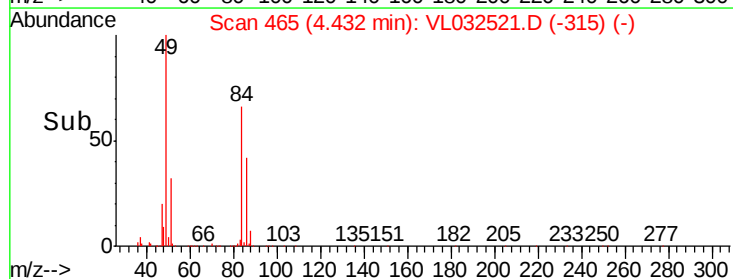
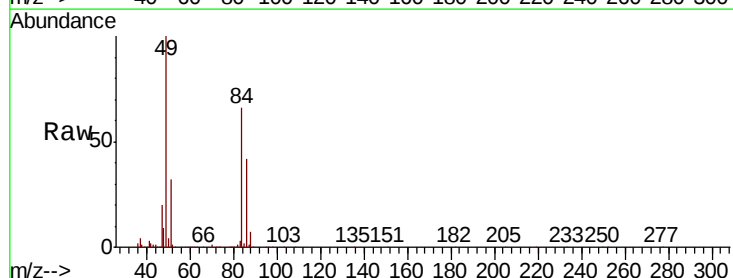
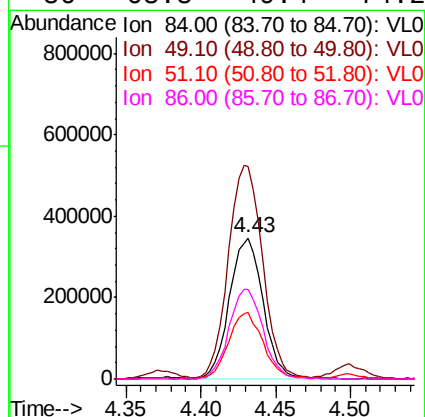
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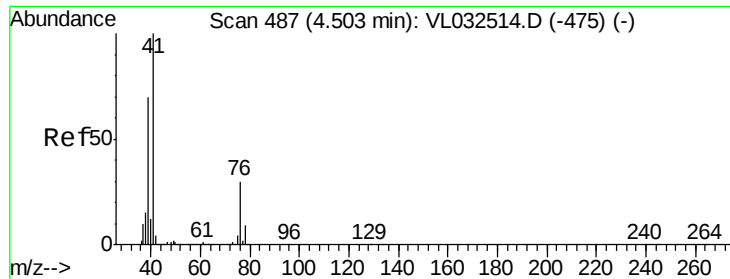
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#20
Methylene Chloride
Concen: 8.306 ppbv
RT: 4.43 min Scan# 465
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Tgt Ion: 84 Resp: 540902
Ion Ratio Lower Upper
84 100
49 149.8 119.1 178.7
51 46.9 35.2 52.8
86 63.8 49.4 74.2





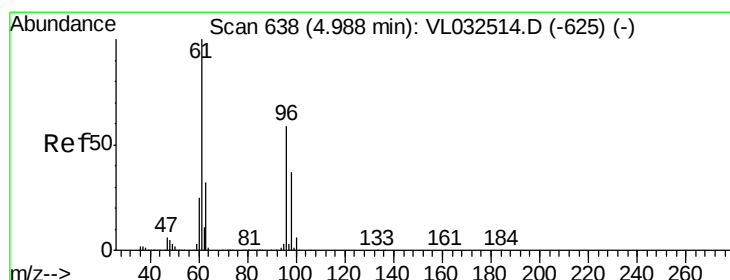
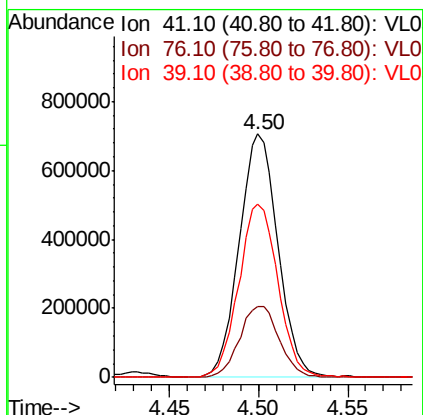
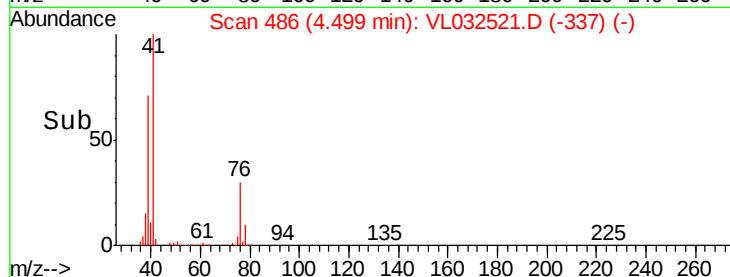
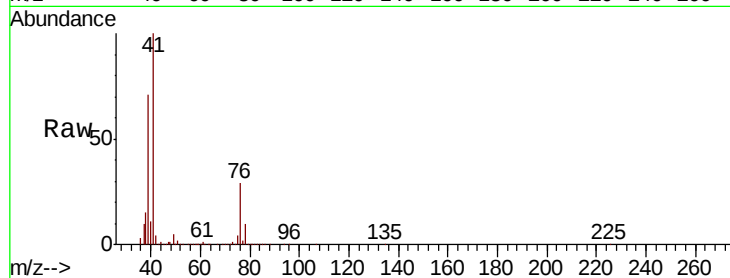
#21
Allvl Chloride
Concen: 9.681 ppbv
RT: 4.50 min Scan# 486
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092418

Tot Ion: 41 Resp: 1064093
Ion Ratio Lower Upper
41 100
76 30.1 23.6 35.4
39 72.5 57.7 86.5

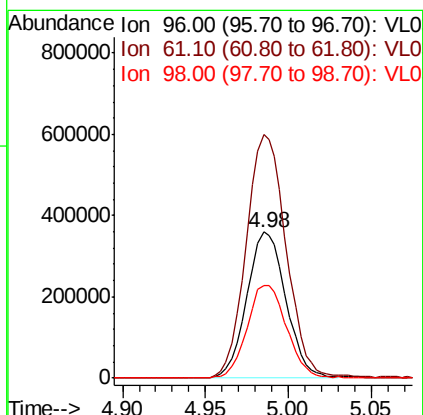
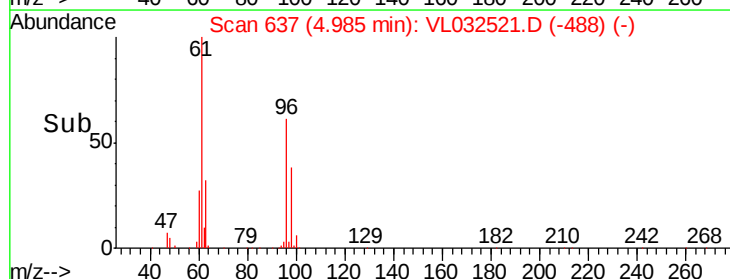
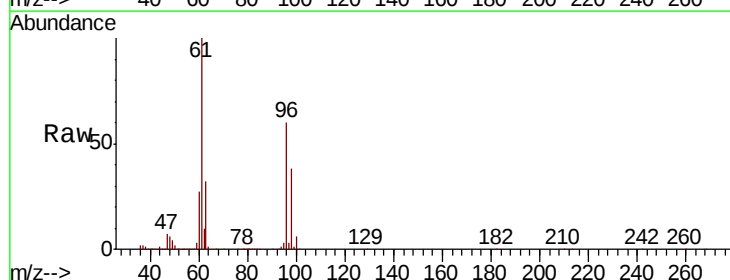
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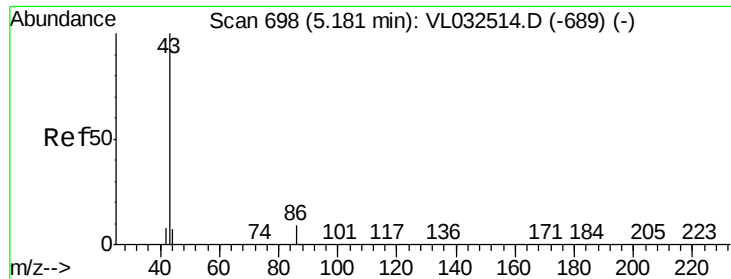
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#22
trans-1,2-Dichloroethene
Concen: 9.663 ppbv
RT: 4.98 min Scan# 637
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Tgt Ion: 96 Resp: 587296
Ion Ratio Lower Upper
96 100
61 166.6 136.2 204.4
98 63.2 50.4 75.6





#23

Vinyl Acetate

Concen: 10.260 ppbv

RT: 5.18 min Scan# 697

Delta R.T. -0.02 min

Lab File: VL032521.D

Acq: 24 Sep 2018 21:38

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092418

Tot Ion: 43 Resp: 2438331

Ion Ratio Lower Upper

43 100

86 7.7 5.9 8.9

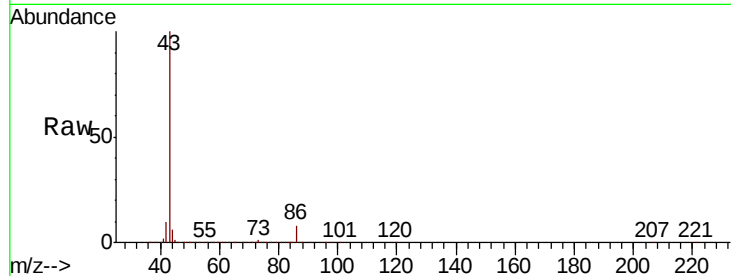
42 9.5 6.9 10.3

44 5.7 4.6 7.0

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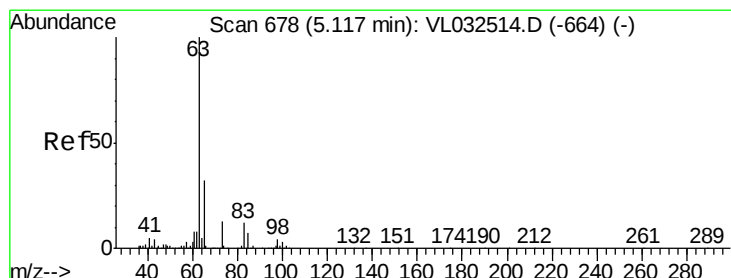
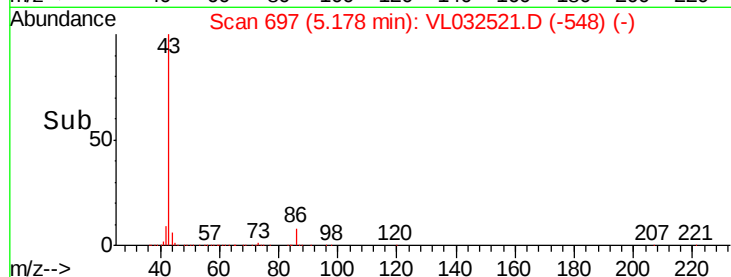
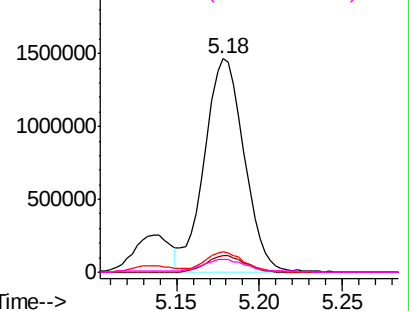


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.241 ppbv

RT: 5.12 min Scan# 678

Delta R.T. -0.02 min

Lab File: VL032521.D

Acq: 24 Sep 2018 21:38

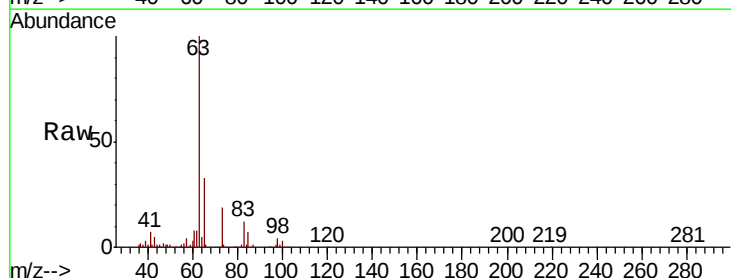
Tgt Ion: 63 Resp: 1828718

Ion Ratio Lower Upper

63 100

98 4.2 2.1 6.5

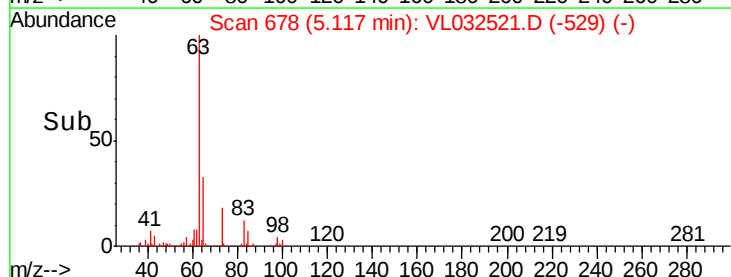
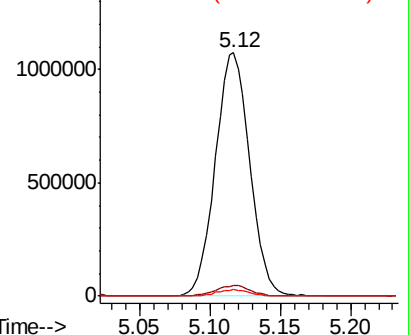
100 2.6 1.5 4.4

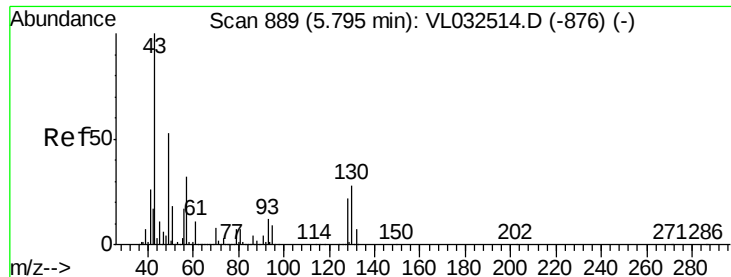


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





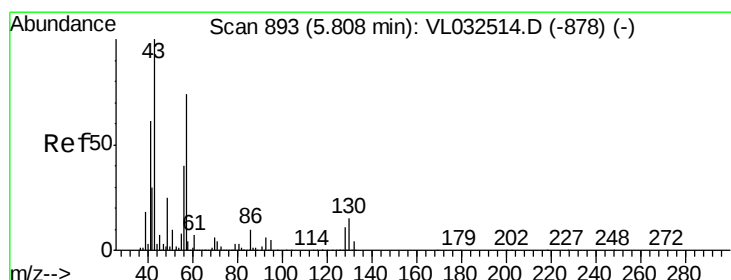
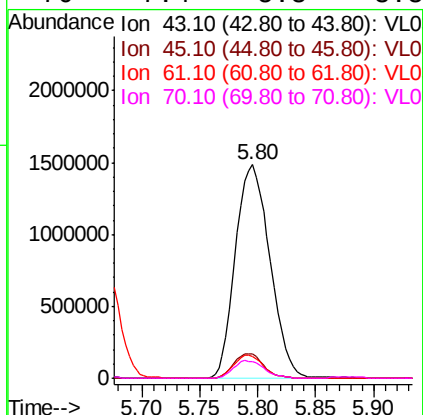
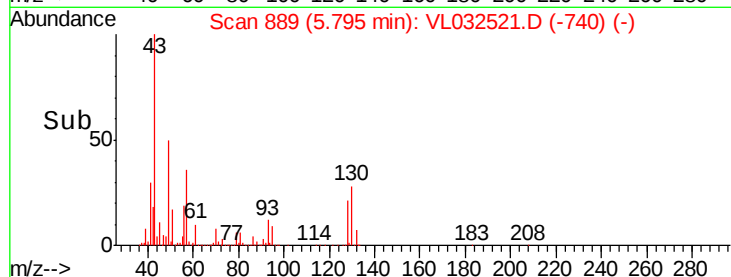
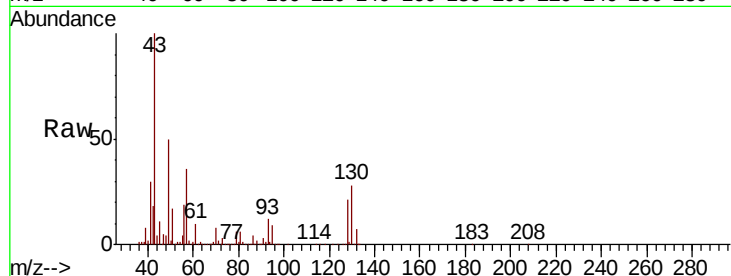
#25
Ethyl Acetate
Concen: 9.402 ppbv
RT: 5.80 min Scan# 889
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092418

Tot Ion	43	Resp	3068020
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.0	12.0
61	9.3	7.6	11.4
70	7.4	5.8	8.8

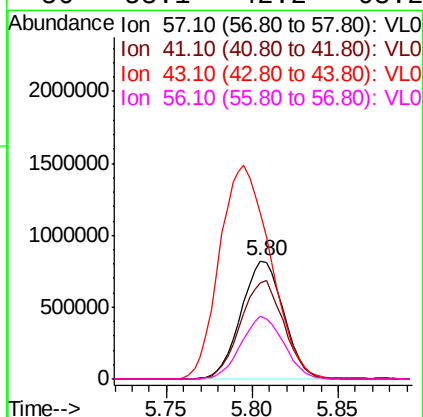
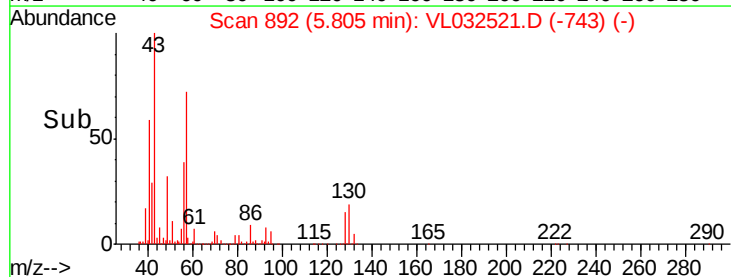
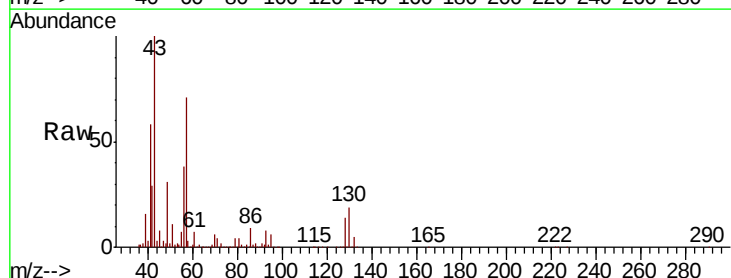
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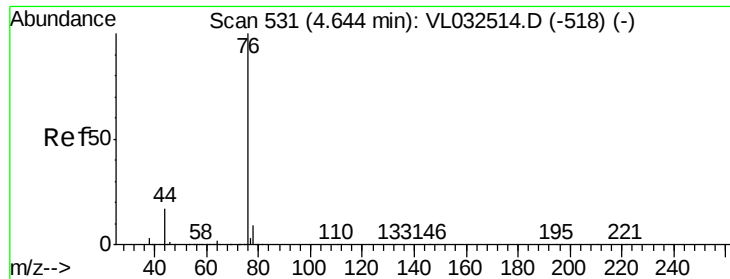
apatel
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#26
Hexane
Concen: 9.598 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Tgt Ion	57	Resp	1414778
Ion	Ratio	Lower	Upper
57	100		
41	86.0	69.0	103.4
43	217.9	172.1	258.1
56	53.1	42.2	63.2





#27

Carbon Disulfide

Concen: 10.097 ppbv

RT: 4.64 min Scan# 531

Delta R.T. -0.02 min

Lab File: VL032521.D

Acq: 24 Sep 2018 21:38

Instrument :

MSVOA_L

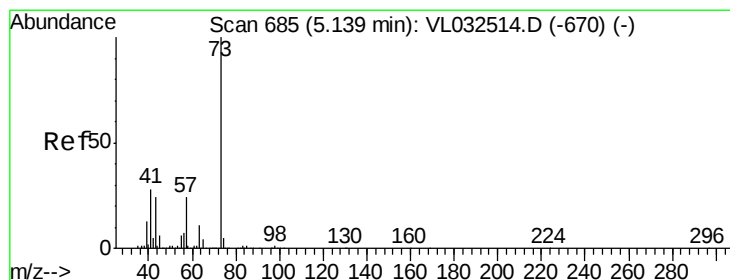
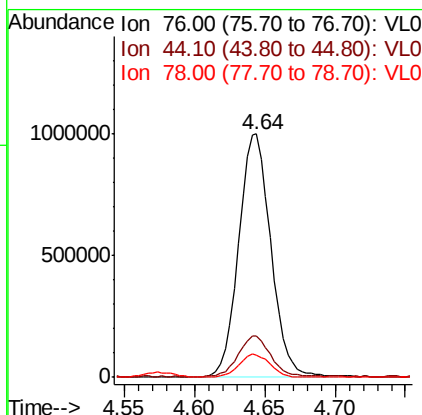
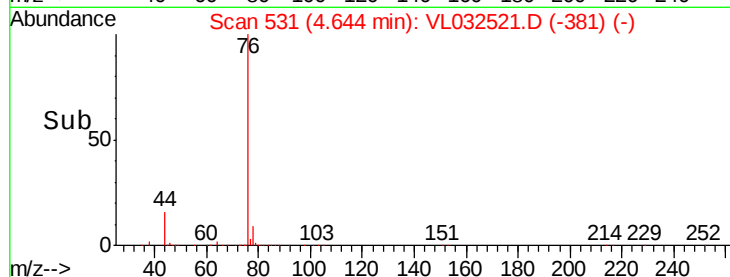
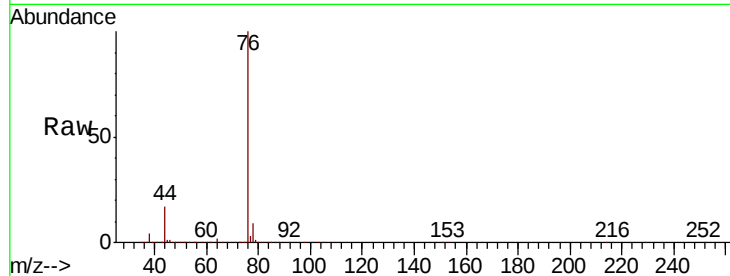
ClientSampleId :

ICVVL092418

Tot Ion:	76	Resp:	1599996
Ion	Ratio	Lower	Upper
76	100		
44	16.6	14.0	21.0
78	9.2	7.5	11.3

Manual Integrations
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apatel
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#28

Methyl tert-Butyl Ether

Concen: 10.075 ppbv

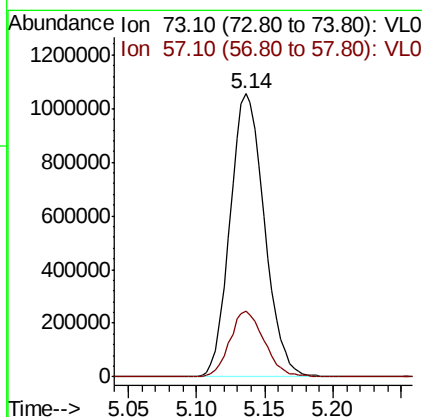
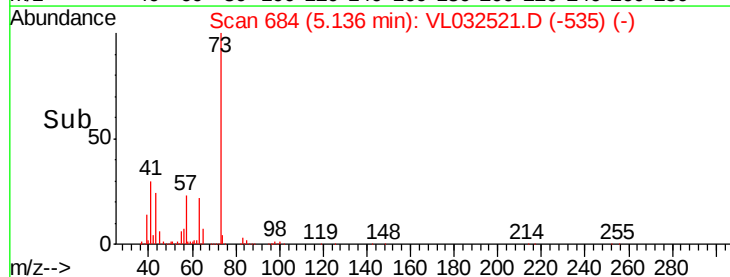
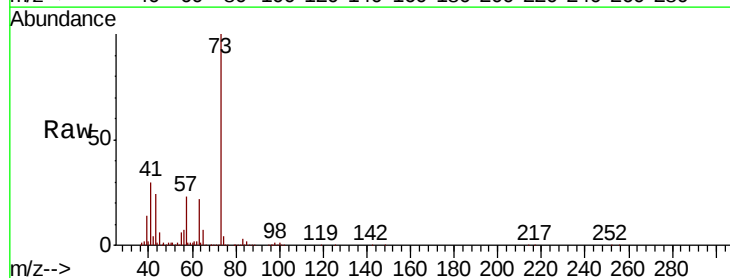
RT: 5.14 min Scan# 684

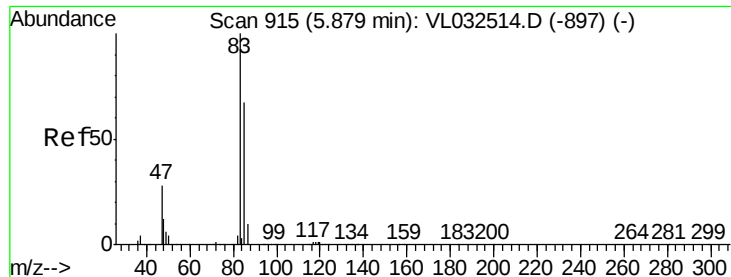
Delta R.T. -0.02 min

Lab File: VL032521.D

Acq: 24 Sep 2018 21:38

Tgt Ion:	73	Resp:	1849990
Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.3	28.9





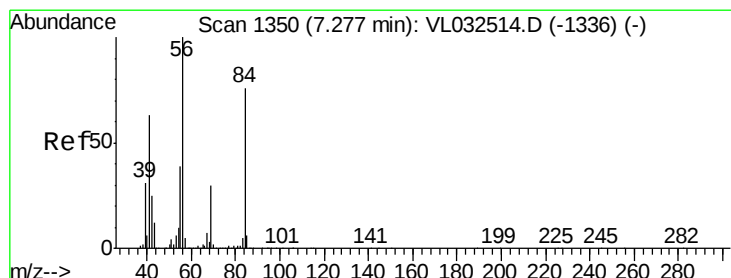
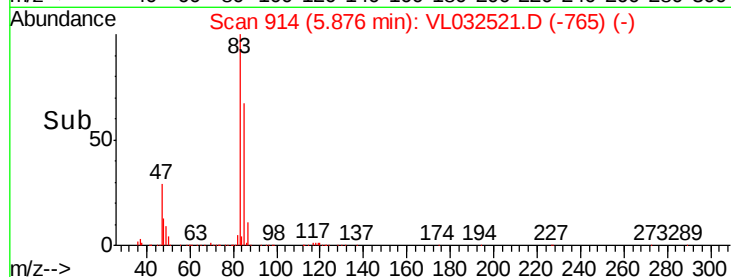
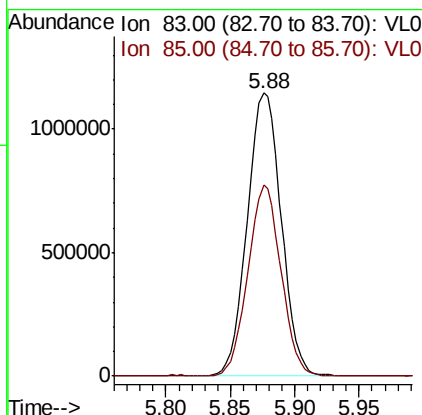
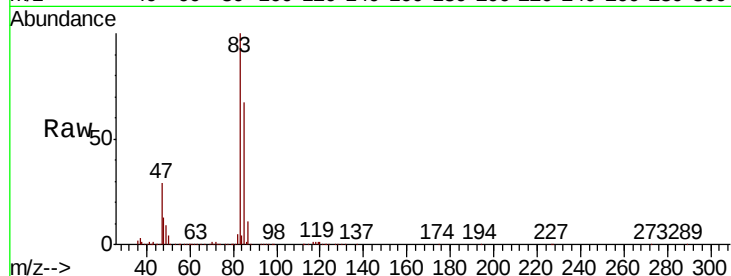
#29
Chloroform
Concen: 9.350 ppbv
RT: 5.88 min Scan# 914
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092418

Tot Ion: 83 Resp: 2114653
Ion Ratio Lower Upper
83 100
85 67.1 52.5 78.7

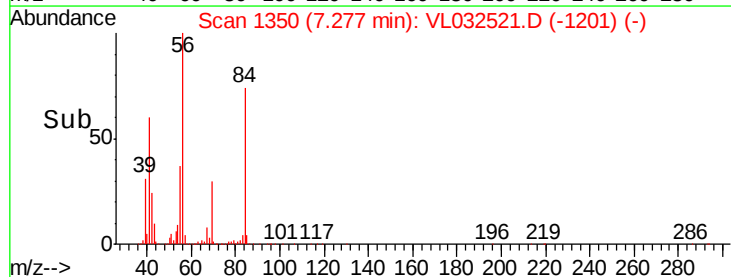
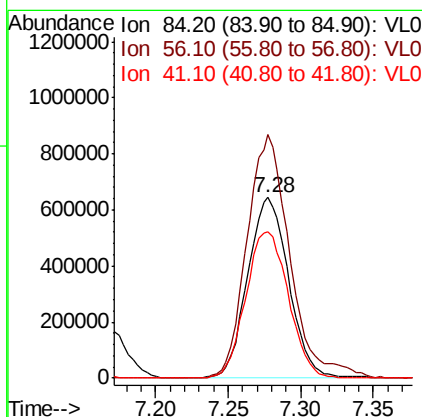
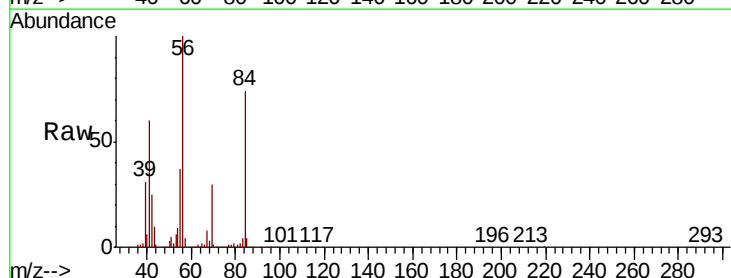
Manual Integrations
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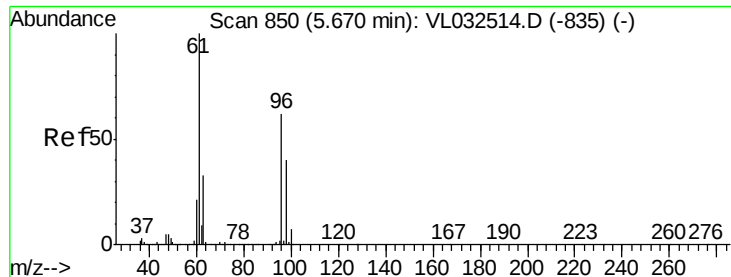
apatel
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#30
Cyclohexane
Concen: 10.534 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Tgt Ion: 84 Resp: 1264364
Ion Ratio Lower Upper
84 100
56 141.7 113.5 170.3
41 84.5 68.1 102.1





#31

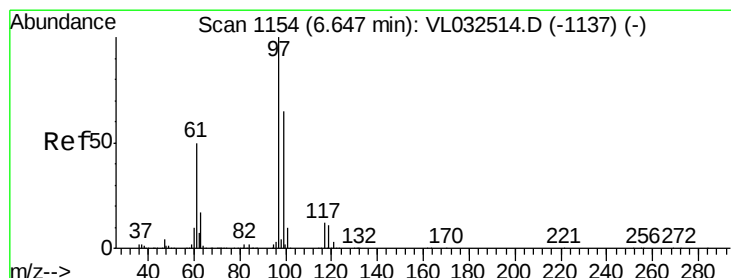
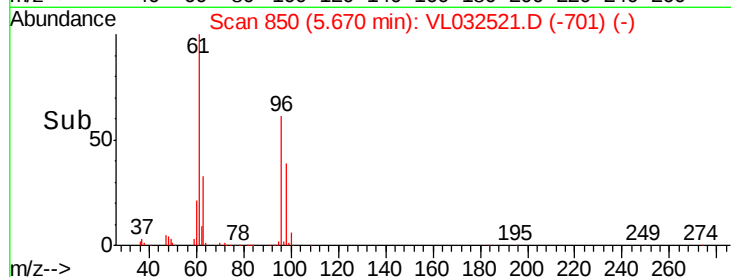
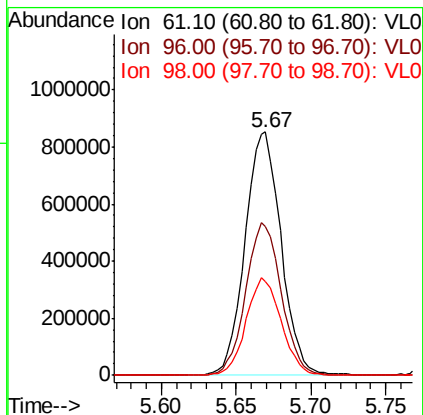
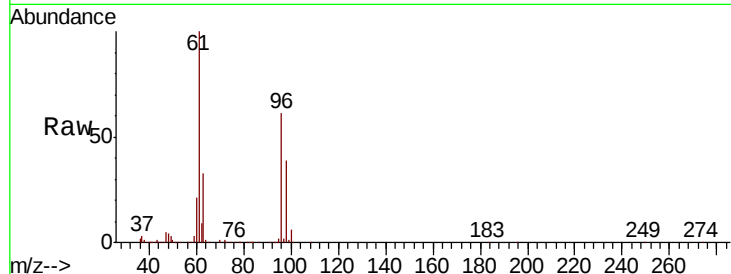
cis-1,2-Dichloroethene
Concen: 10.174 ppbv
RT: 5.67 min Scan# 850
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092418

Tot Ion	Ratio	Lower	Upper
61	100		
96	61.4	49.2	73.8
98	38.6	30.7	46.1

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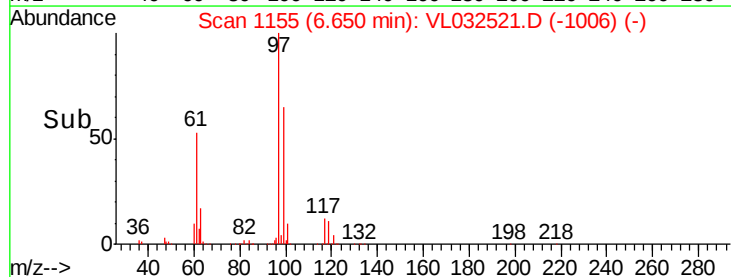
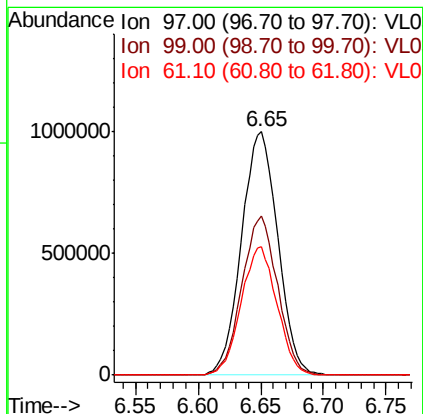
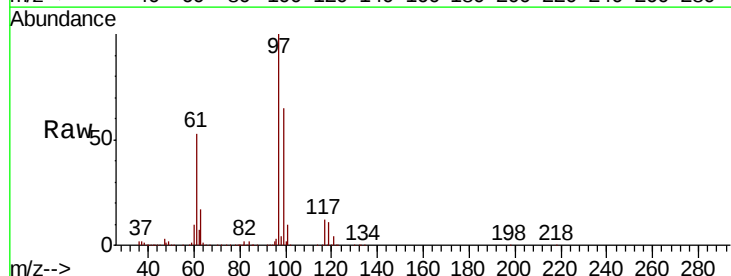
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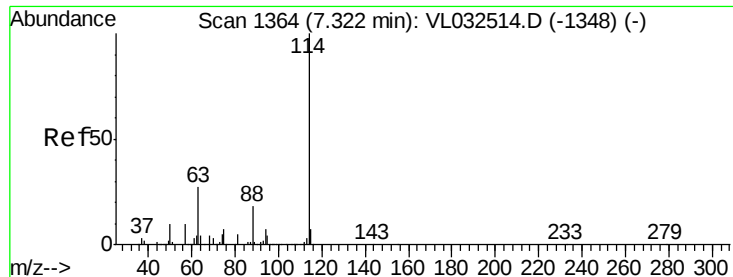


#32

1,1,1-Trichloroethane
Concen: 8.362 ppbv
RT: 6.65 min Scan# 1155
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.1	78.1
61	52.4	42.5	63.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.33 min Scan# 1365

Delta R.T. -0.02 min

Lab File: VL032521.D

Acq: 24 Sep 2018 21:38

Instrument :

MSVOA_L

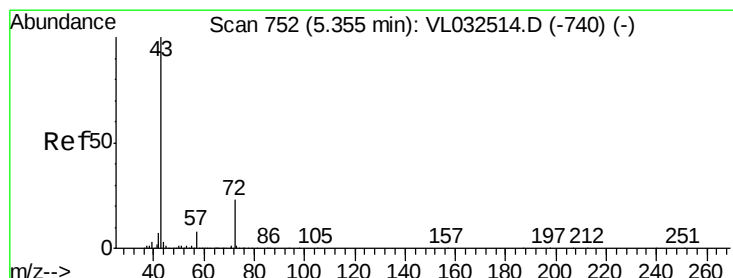
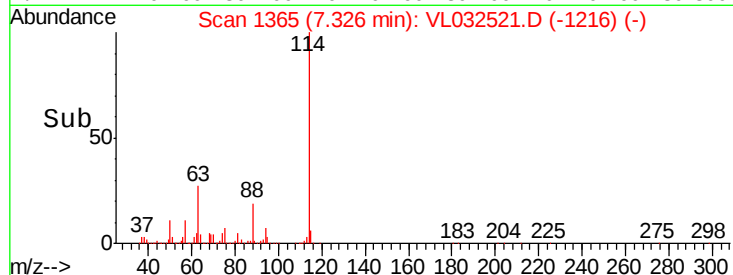
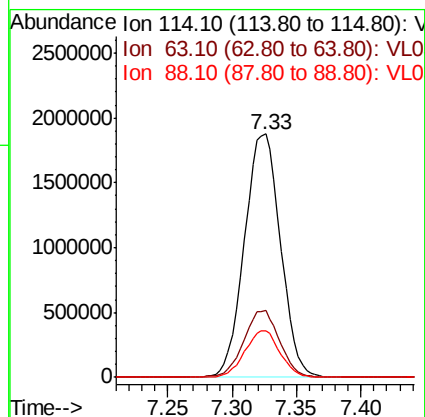
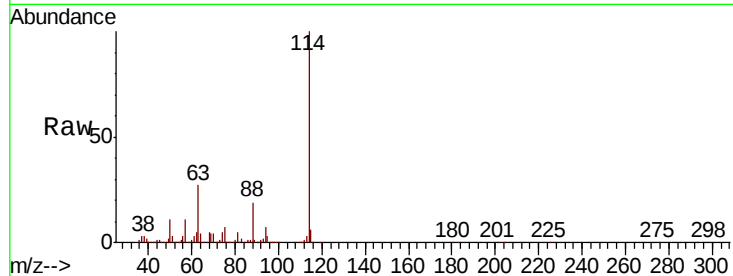
ClientSampleId :

ICVVL092418

Tot Ion:	114	Resp:	3654106
Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.2	33.4
88	18.6	15.0	22.4

Manual Integrations
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#34

2-Butanone

Concen: 9.533 ppbv

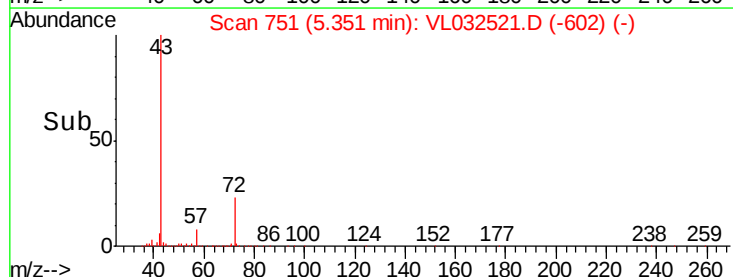
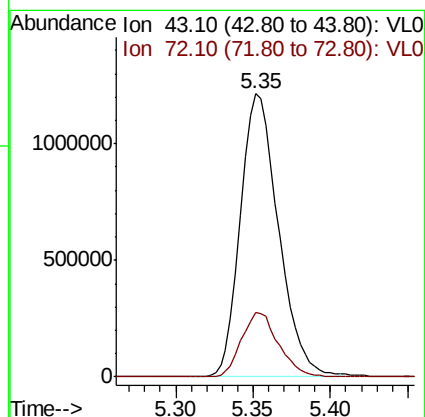
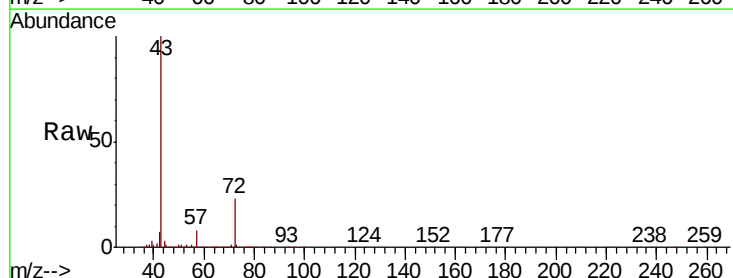
RT: 5.35 min Scan# 751

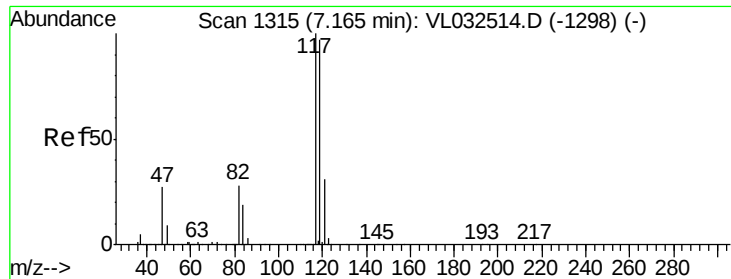
Delta R.T. -0.02 min

Lab File: VL032521.D

Acq: 24 Sep 2018 21:38

Tgt Ion:	43	Resp:	2074496
Ion	Ratio	Lower	Upper
43	100		
72	22.4	17.8	26.6





#35

Carbon Tetrachloride

Concen: 8.954 ppbv

RT: 7.16 min Scan# 1315

Delta R.T. -0.02 min

Lab File: VL032521.D

Acq: 24 Sep 2018 21:38

Instrument :

MSVOA_L

ClientSampleId :

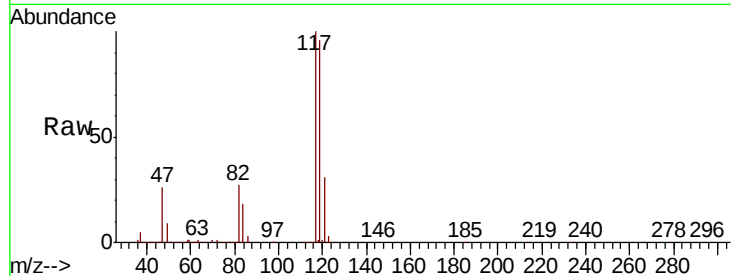
ICVVL092418

Tot Ion	Ion	Ratio	Lower	Upper
117	100			
119	96.1	76.6	115.0	
121	30.7	24.6	36.8	

Manual Integrations
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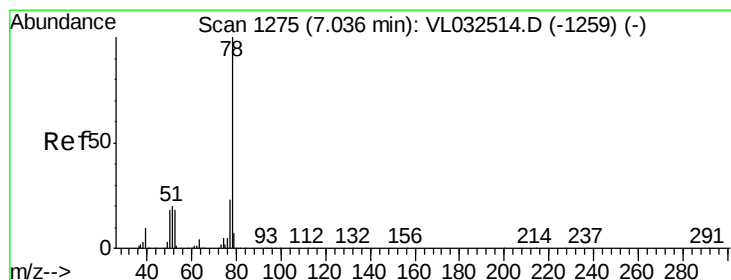
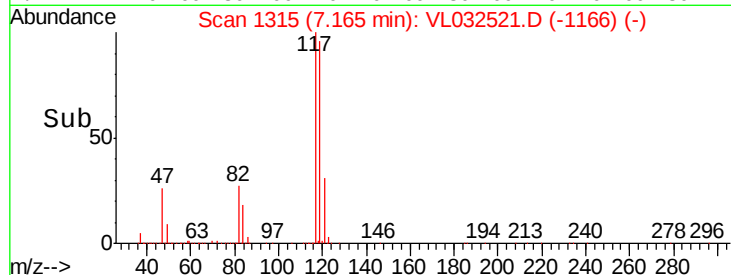
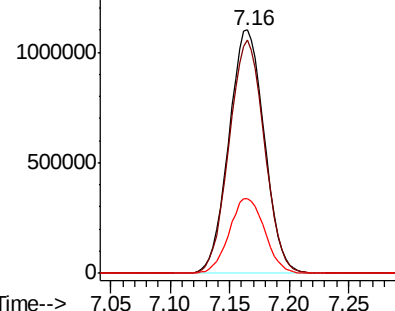
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.531 ppbv

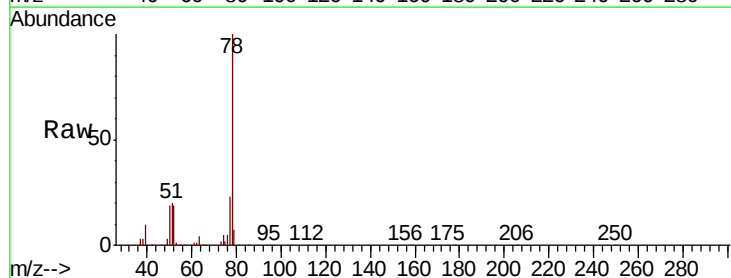
RT: 7.04 min Scan# 1275

Delta R.T. -0.02 min

Lab File: VL032521.D

Acq: 24 Sep 2018 21:38

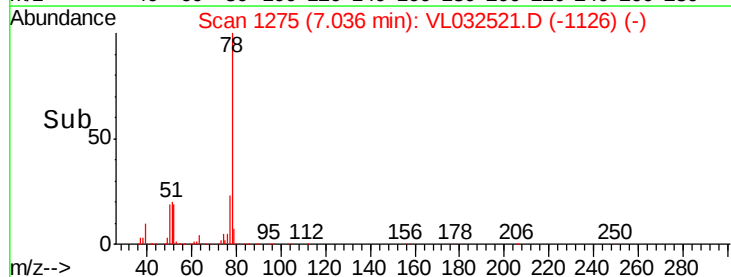
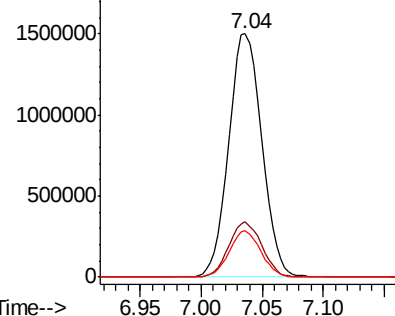
Tgt Ion	Ion	Ratio	Lower	Upper
78	100			
77	22.5	18.4	27.6	
50	19.1	14.4	21.6	

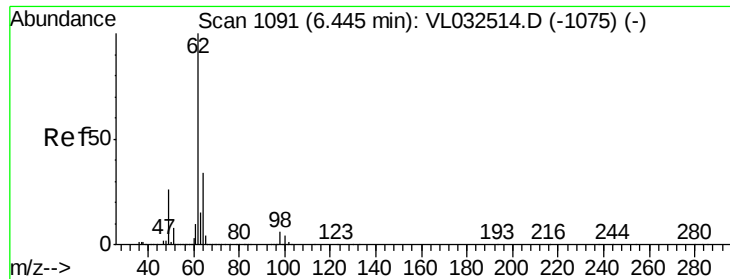


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





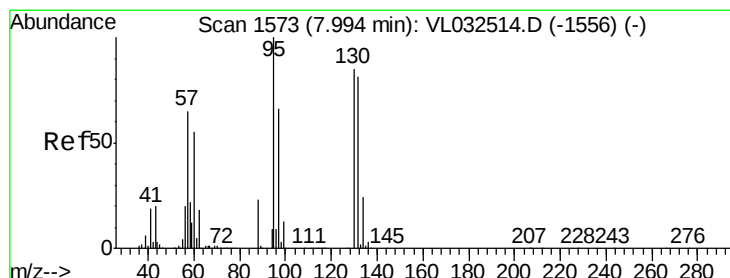
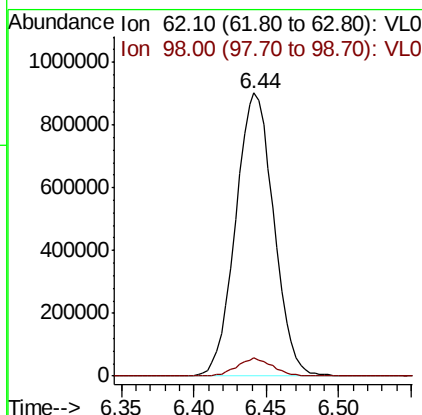
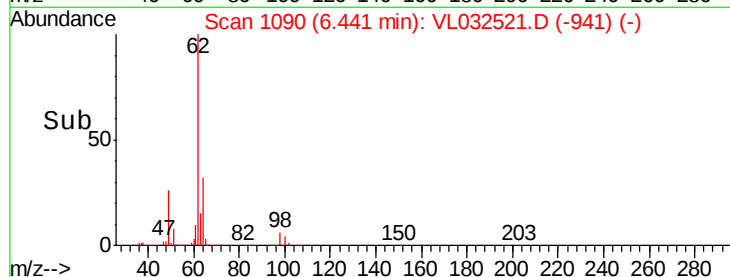
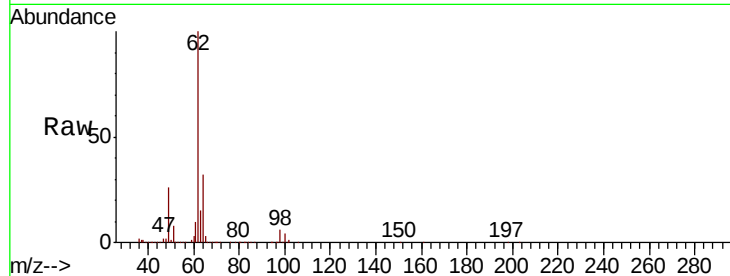
#37
 1,2-Dichloroethane
 Concen: 9.252 ppbv
 RT: 6.44 min Scan# 1090
 Delta R.T. -0.02 min
 Lab File: VL032521.D
 Acq: 24 Sep 2018 21:38

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092418

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.0	5.0	7.6

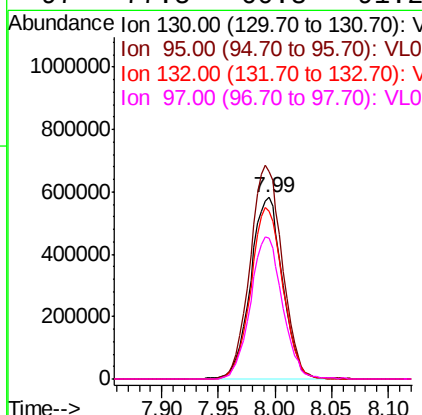
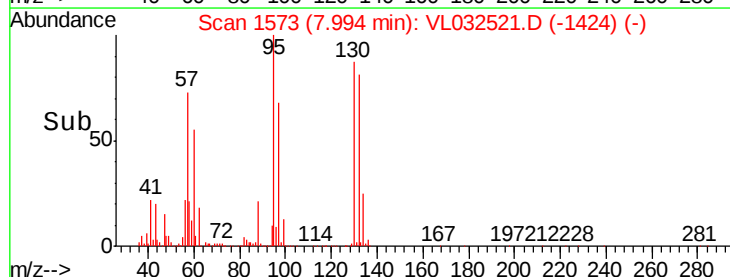
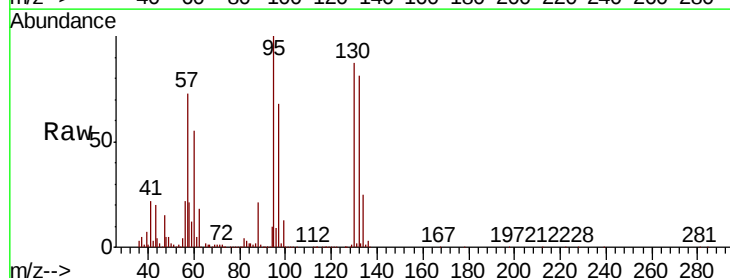
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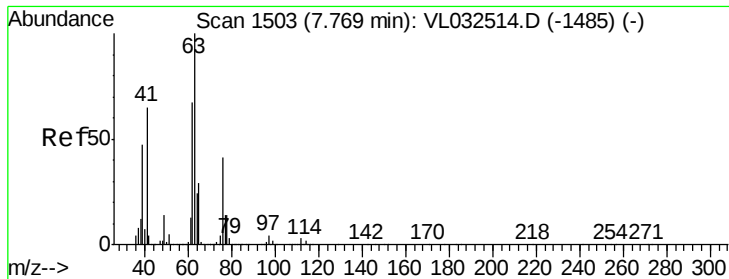
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#38
 Trichloroethene
 Concen: 10.078 ppbv
 RT: 7.99 min Scan# 1573
 Delta R.T. -0.02 min
 Lab File: VL032521.D
 Acq: 24 Sep 2018 21:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	114.4	94.2	141.4
132	92.4	76.2	114.4
97	77.5	60.8	91.2





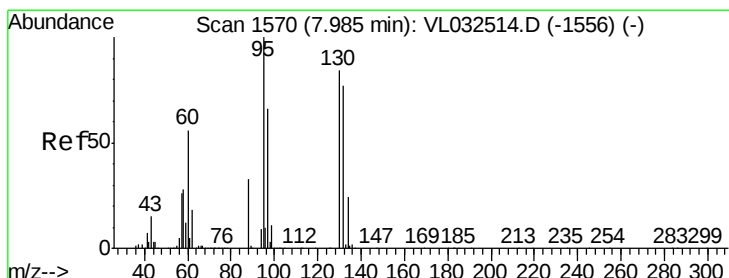
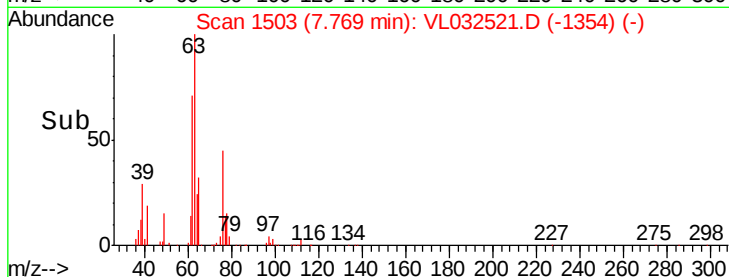
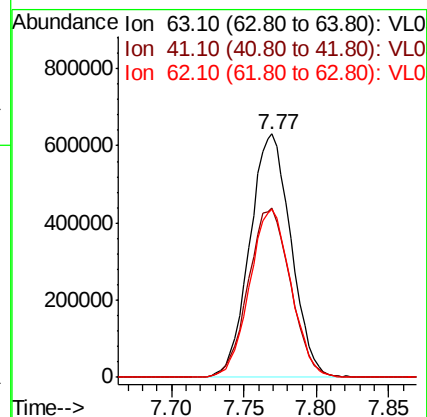
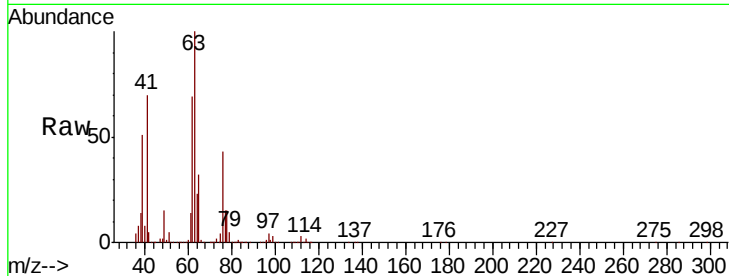
#39
 1,2-Dichloropropane
 Concen: 9.392 ppbv
 RT: 7.77 min Scan# 1503
 Delta R.T. -0.02 min
 Lab File: VL032521.D
 Acq: 24 Sep 2018 21:38

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092418

Tot Ion	Ratio	Lower	Upper
63	100		
41	69.6	55.4	83.0
62	69.1	55.4	83.0

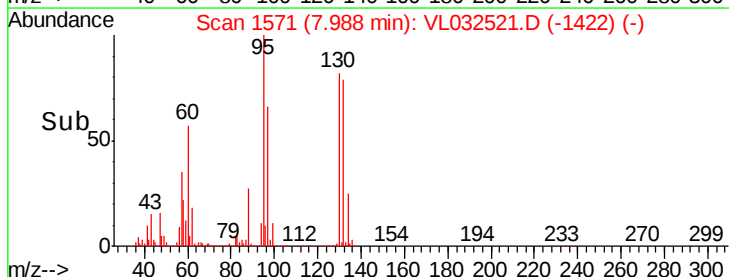
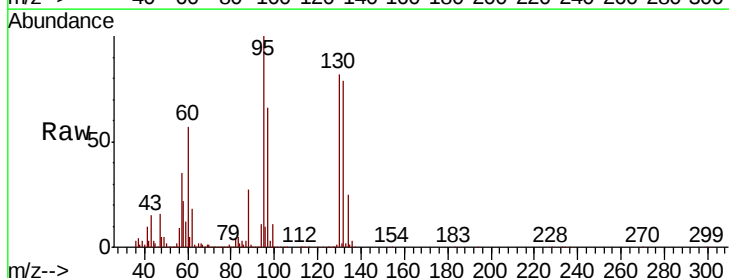
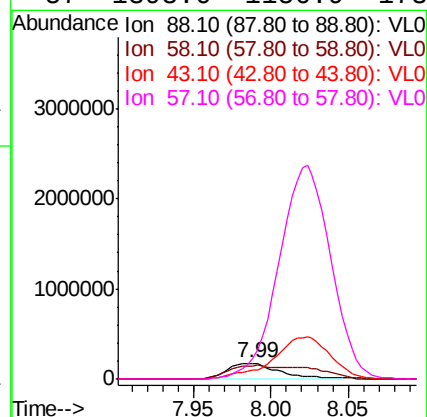
Manual Integrations
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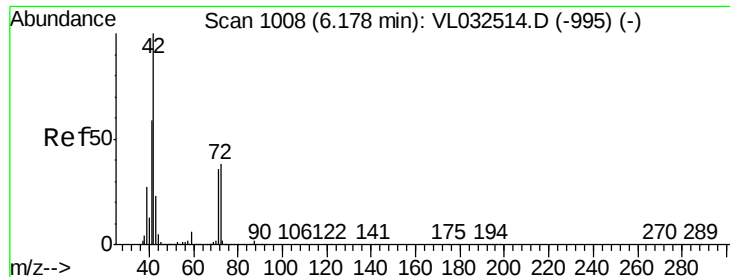
apatel
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#40
 1,4-Dioxane
 Concen: 9.695 ppbv
 RT: 7.99 min Scan# 1571
 Delta R.T. -0.02 min
 Lab File: VL032521.D
 Acq: 24 Sep 2018 21:38

Tgt Ion	Ratio	Lower	Upper
88	100		
58	148.9	119.7	179.5
43	303.9	253.0	379.4
57	1398.6	1156.9	1735.3





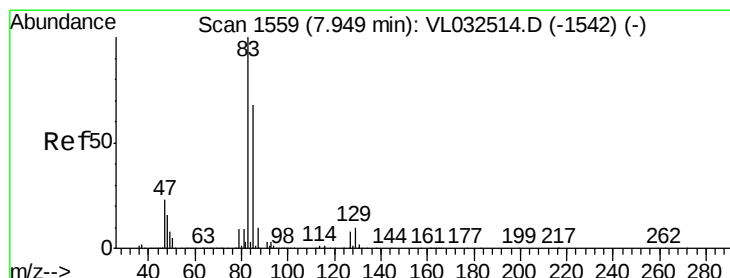
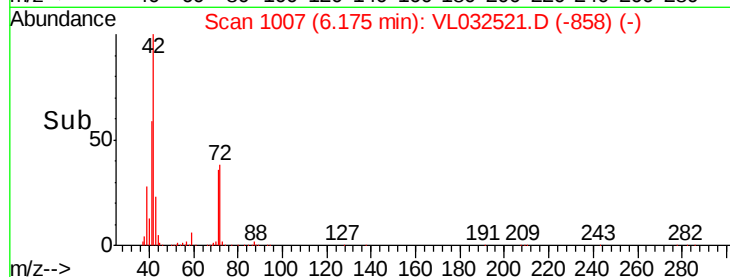
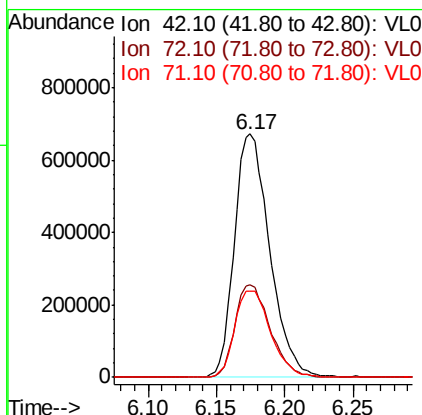
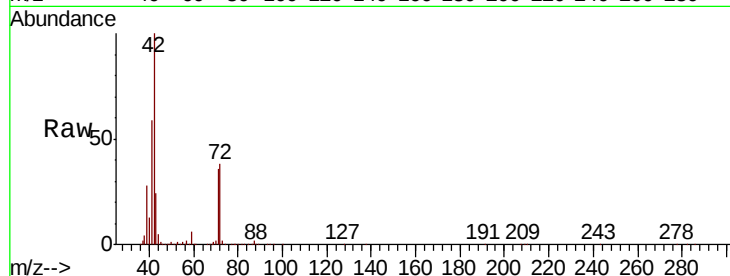
#41
Tetrahydrofuran
Concen: 10.257 ppbv
RT: 6.17 min Scan# 1007
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092418

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.0	29.5	44.3
71	36.3	28.3	42.5

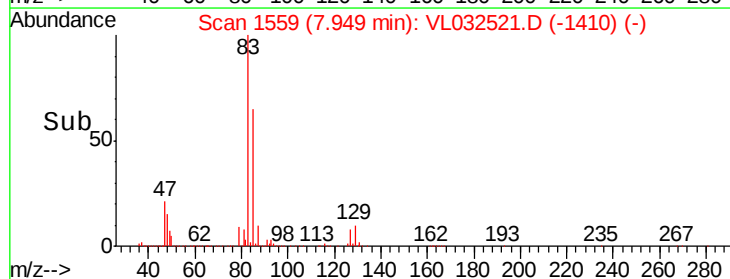
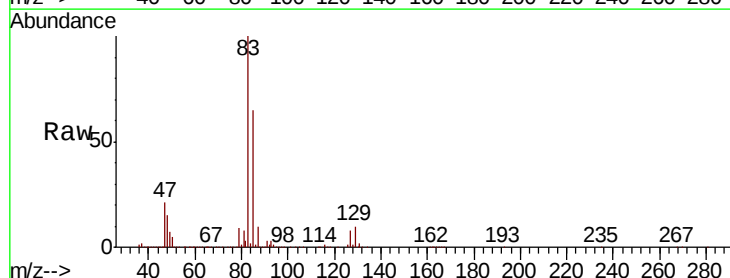
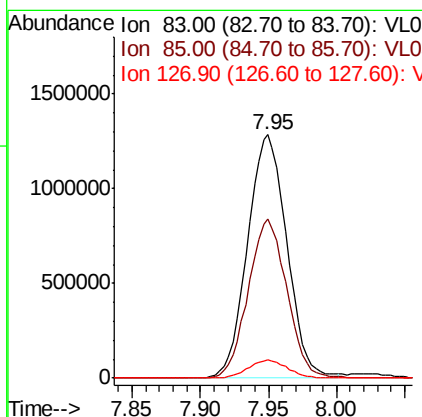
Manual Integrations
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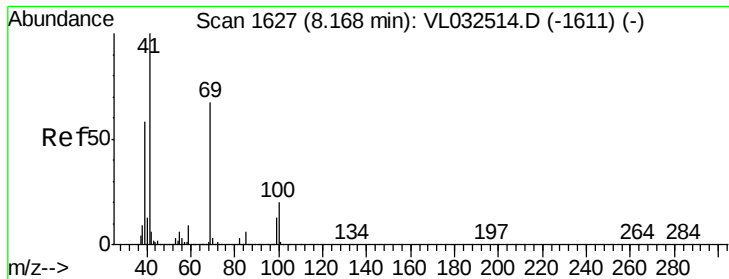
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#42
Bromodichloromethane
Concen: 9.628 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.1	76.7
127	7.6	5.8	8.8





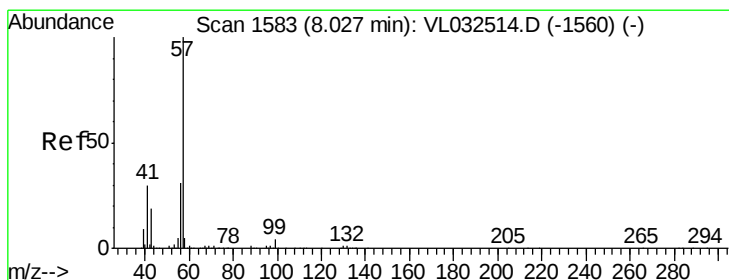
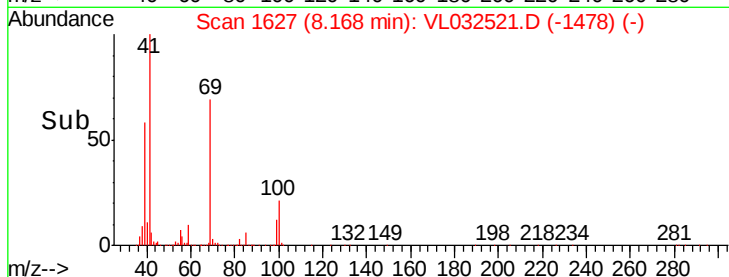
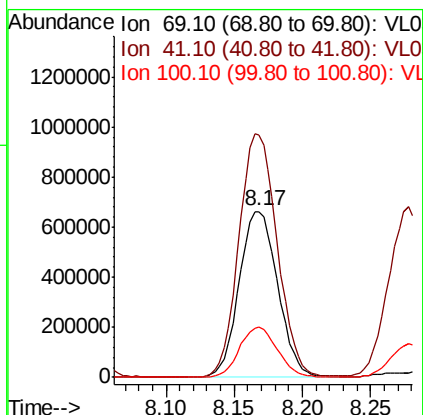
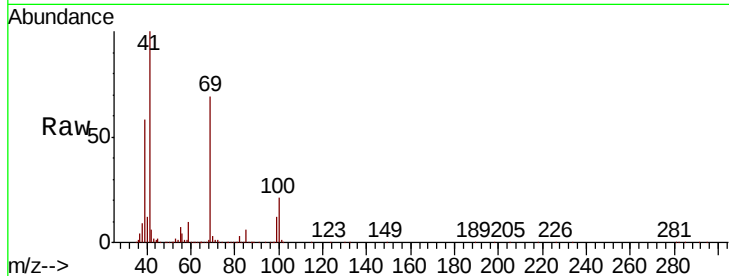
#43
Methvl Methacrylate
Concen: 10.574 ppbv
RT: 8.17 min Scan# 1627
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092418

Tot Ion: 69 Resp: 1304416
Ion Ratio Lower Upper
69 100
41 145.5 117.1 175.7
100 29.7 23.4 35.2

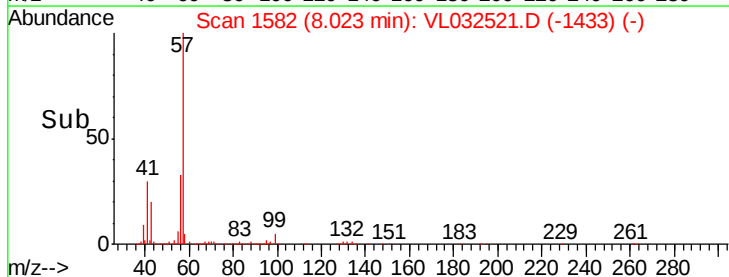
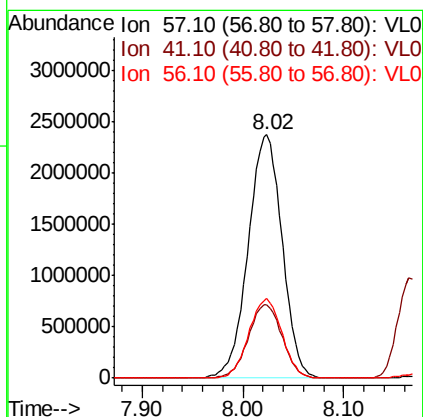
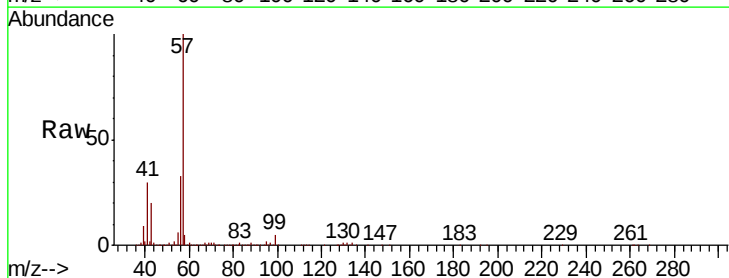
Manual Integrations
APPROVED

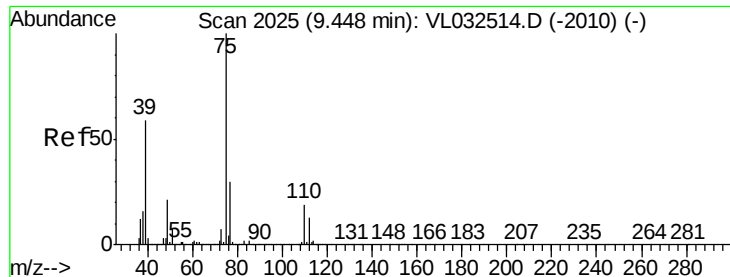
apatel
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#44
2,2,4-Trimethylpentane
Concen: 9.576 ppbv
RT: 8.02 min Scan# 1582
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Tgt Ion: 57 Resp: 5526730
Ion Ratio Lower Upper
57 100
41 30.3 24.4 36.6
56 31.8 25.7 38.5





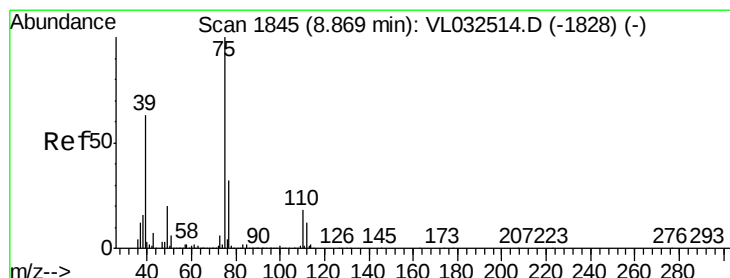
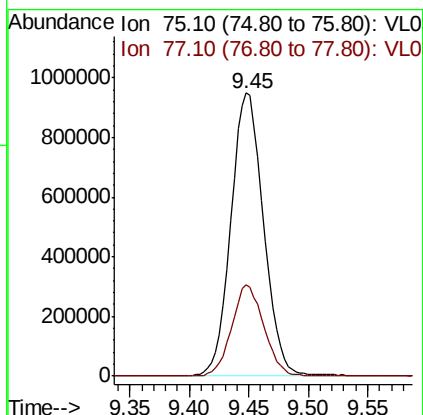
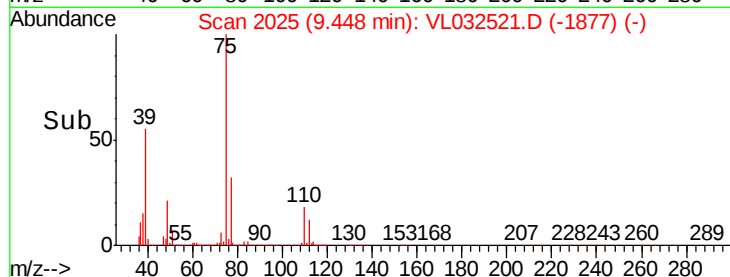
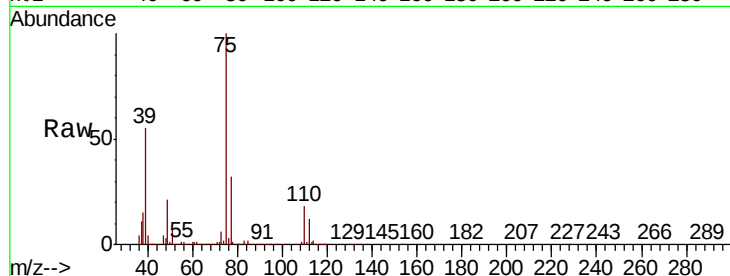
#45
t-1,3-Dichloropropene
Concen: 11.779 ppbv
RT: 9.45 min Scan# 2025
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092418

Tot Ion: 75 Resp: 1807619
Ion Ratio Lower Upper
75 100
77 32.2 26.2 39.2

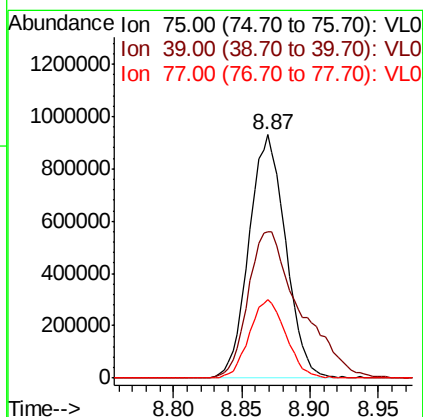
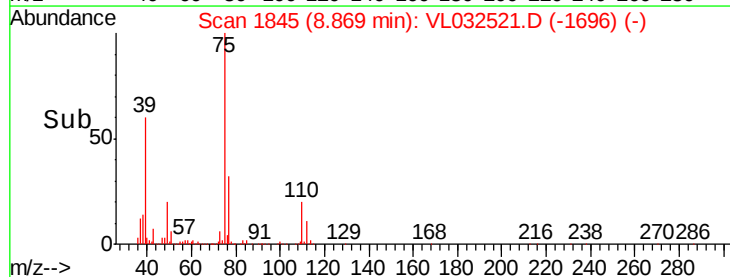
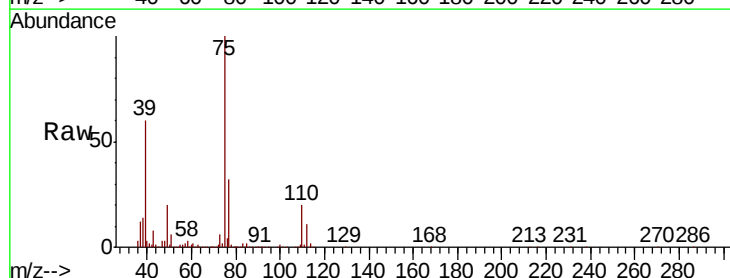
Manual Integrations
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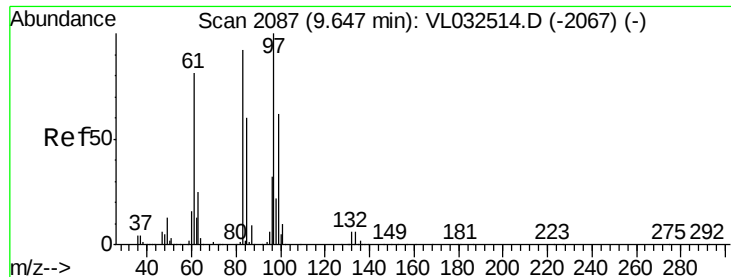
apatel
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#46
cis-1,3-Dichloropropene
Concen: 9.641 ppbv
RT: 8.87 min Scan# 1845
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Tgt Ion: 75 Resp: 1735249
Ion Ratio Lower Upper
75 100
39 60.0 48.9 73.3
77 32.4 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 9.416 ppbv

RT: 9.65 min Scan# 2087

Delta R.T. -0.02 min

Lab File: VL032521.D

Acq: 24 Sep 2018 21:38

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092418

Tot Ion: 97 Resp: 1391736

Ion Ratio Lower Upper

97 100

83 92.5 75.0 112.4

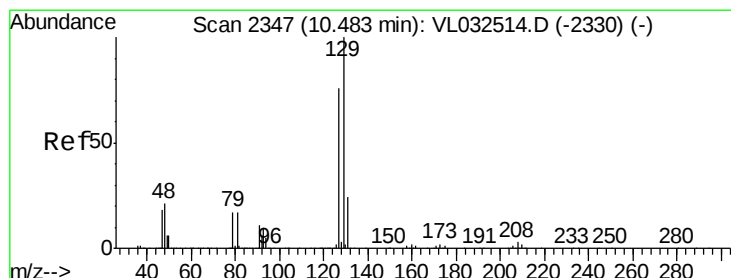
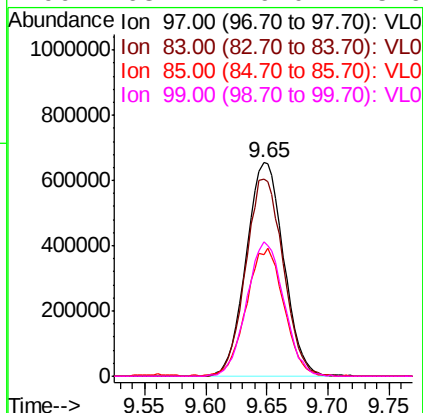
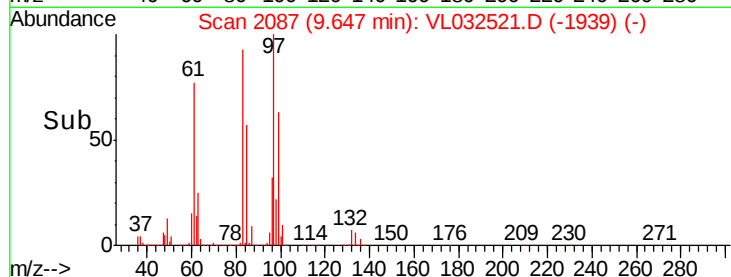
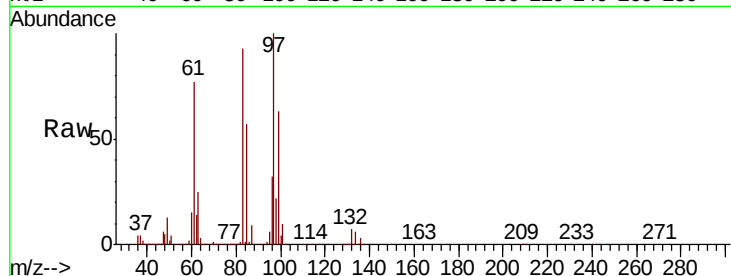
85 56.8 47.5 71.3

99 63.1 49.0 73.6

Manual Integrations
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#48

Dibromochloromethane

Concen: 9.817 ppbv

RT: 10.49 min Scan# 2348

Delta R.T. -0.02 min

Lab File: VL032521.D

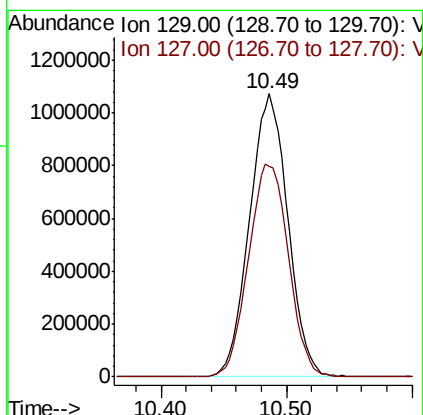
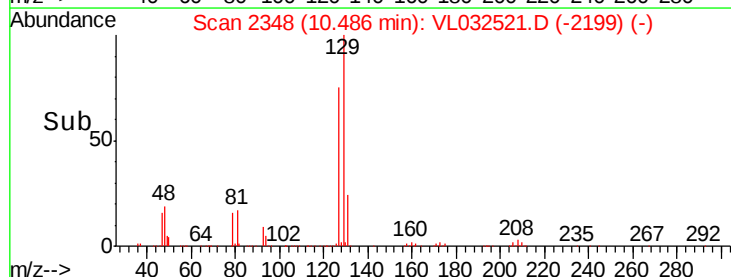
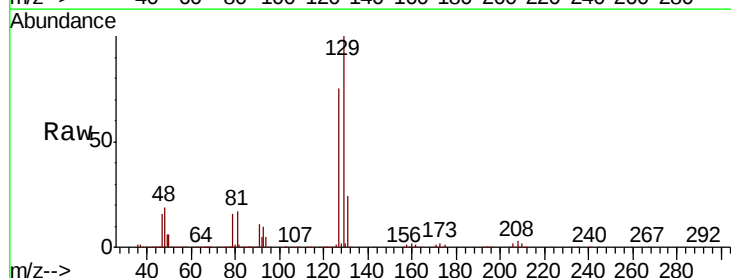
Acq: 24 Sep 2018 21:38

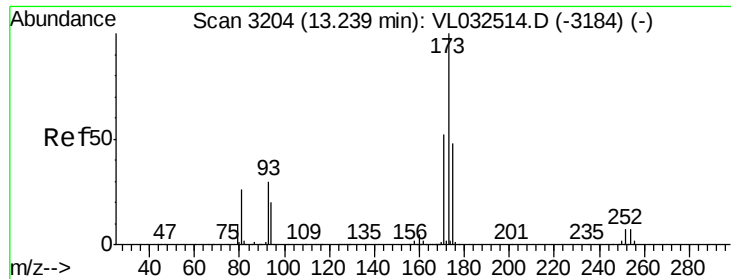
Tgt Ion: 129 Resp: 2281610

Ion Ratio Lower Upper

129 100

127 78.8 39.5 118.3





#49

Bromoform

Concen: 9.904 ppbv

RT: 13.24 min Scan# 3203

Delta R.T. -0.02 min

Lab File: VL032521.D

Acq: 24 Sep 2018 21:38

Instrument :

MSVOA_L

ClientSampled :

ICVVL092418

Tot Ion:173 Resp: 1758805

Ion Ratio Lower Upper

173 100

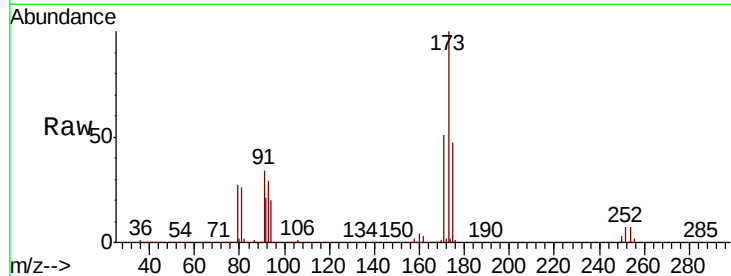
175 49.0 38.9 58.3

171 52.0 41.6 62.4

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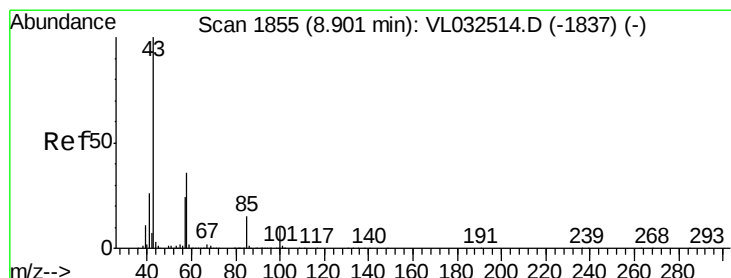
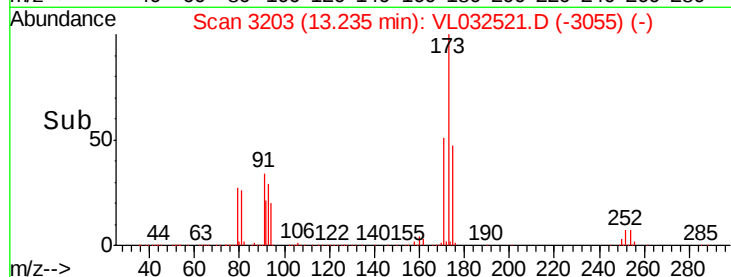
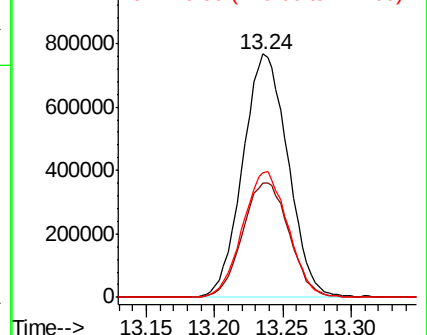


Abundance

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: 8.598 ppbv

RT: 8.90 min Scan# 1854

Delta R.T. -0.02 min

Lab File: VL032521.D

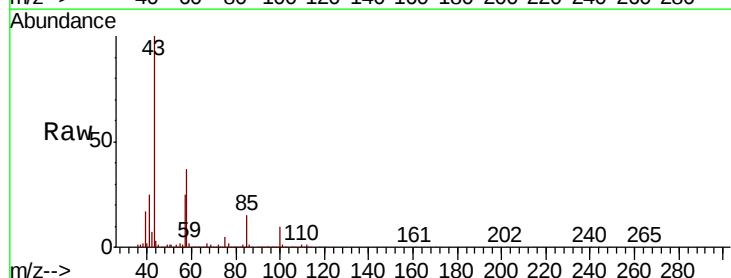
Acq: 24 Sep 2018 21:38

Tgt Ion: 43 Resp: 2940828

Ion Ratio Lower Upper

43 100

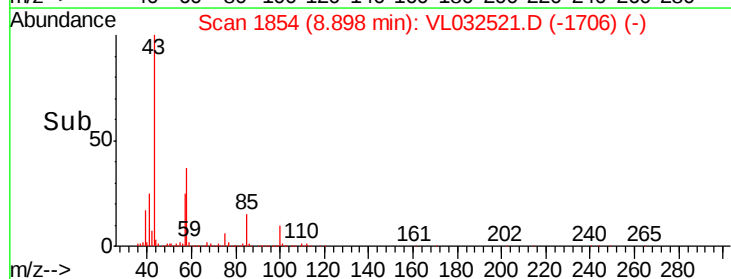
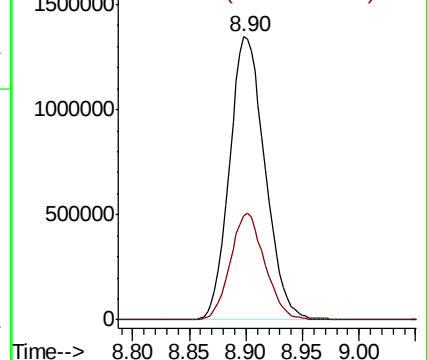
58 36.6 29.0 43.4

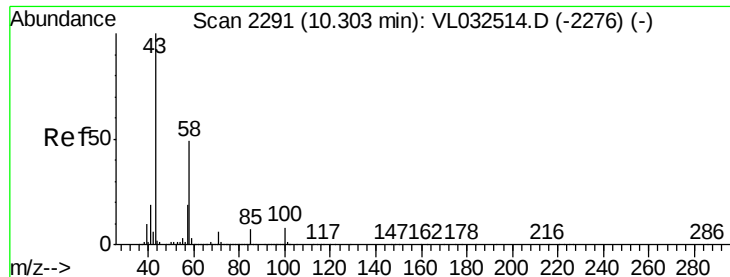


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





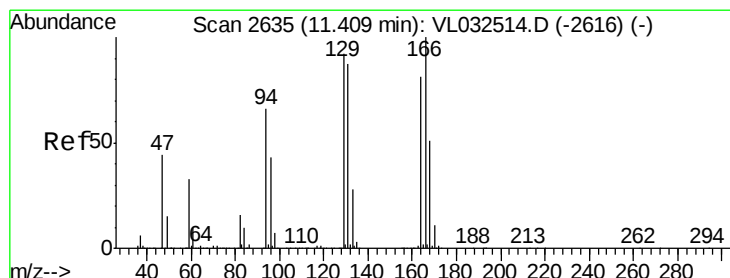
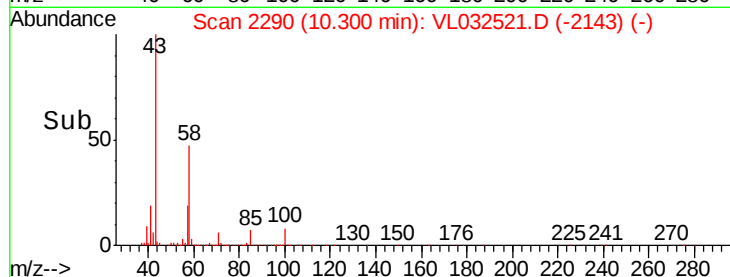
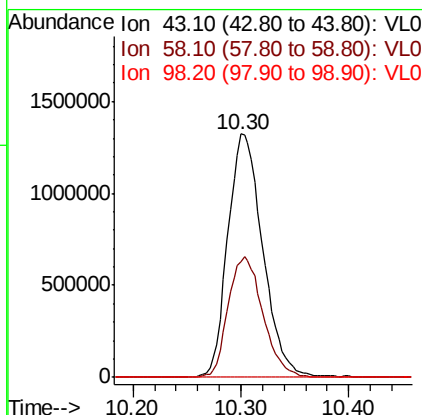
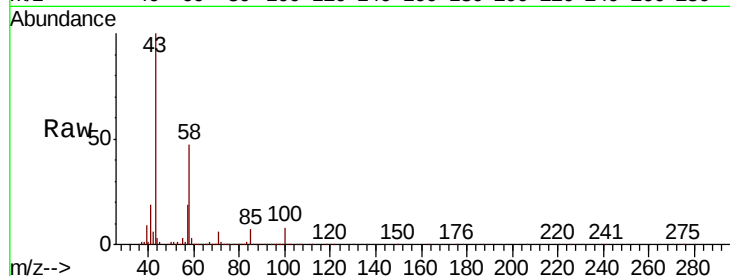
#51
2-Hexanone
Concen: 10.548 ppbv
RT: 10.30 min Scan# 2290
Delta R.T. -0.03 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092418

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.4	39.2	58.8
98	0.5	0.4	0.6

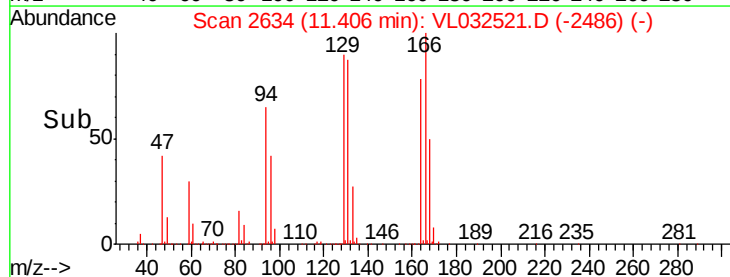
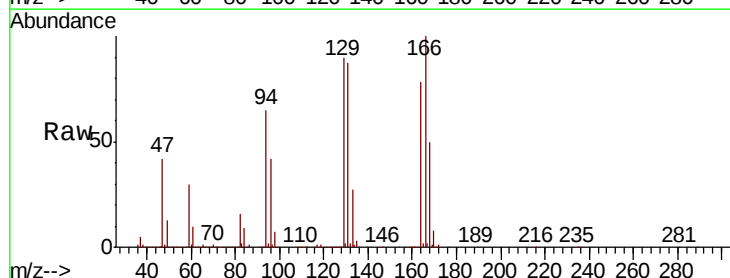
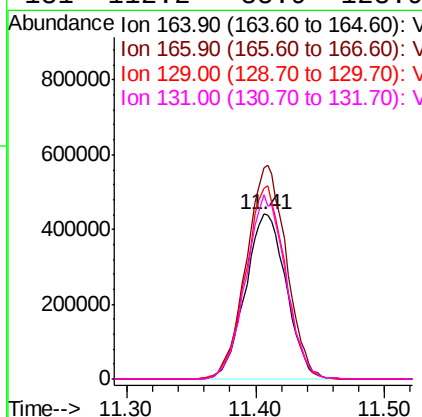
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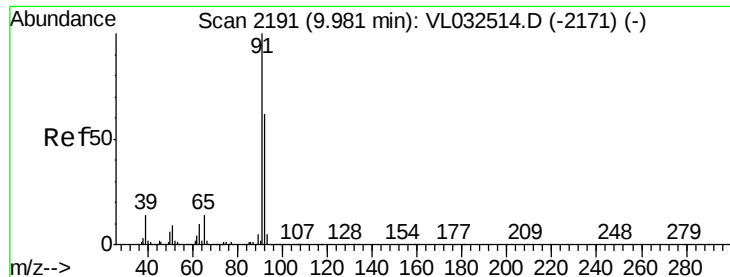
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#52
Tetrachloroethene
Concen: 9.468 ppbv
RT: 11.41 min Scan# 2634
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	100.6	150.8
129	115.9	89.9	134.9
131	112.2	85.9	128.9





#53

Toluene

Concen: 10.727 ppbv

RT: 9.98 min Scan# 2190

Delta R.T. -0.03 min

Lab File: VL032521.D

Acq: 24 Sep 2018 21:38

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092418

Tot Ion: 91 Resp: 3860129

Ion Ratio Lower Upper

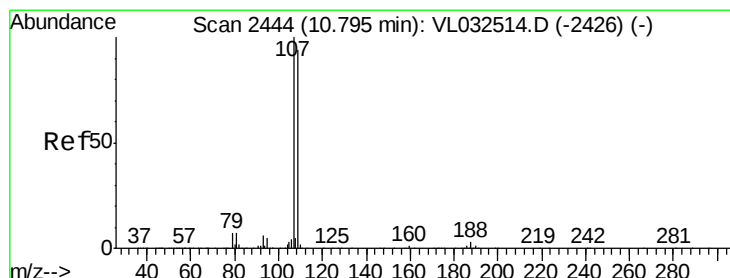
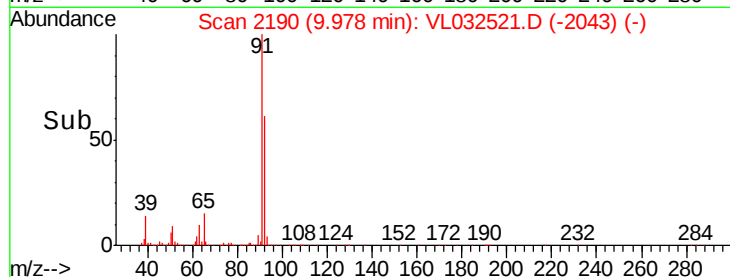
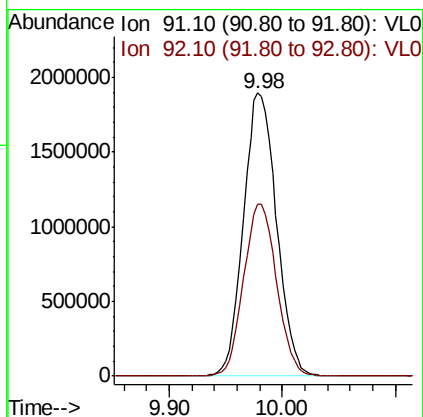
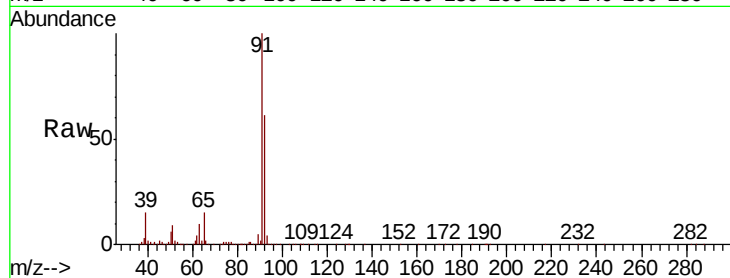
91 100

92 60.7 48.1 72.1

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#54

1,2-Dibromoethane

Concen: 9.927 ppbv

RT: 10.80 min Scan# 2444

Delta R.T. -0.02 min

Lab File: VL032521.D

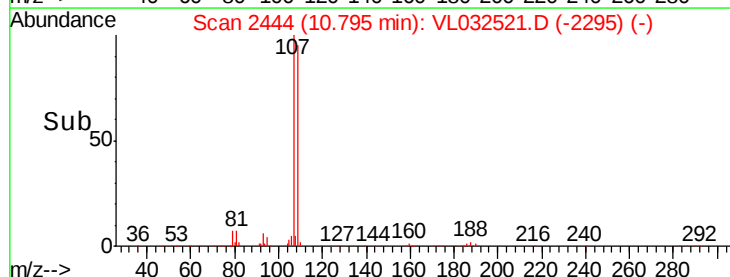
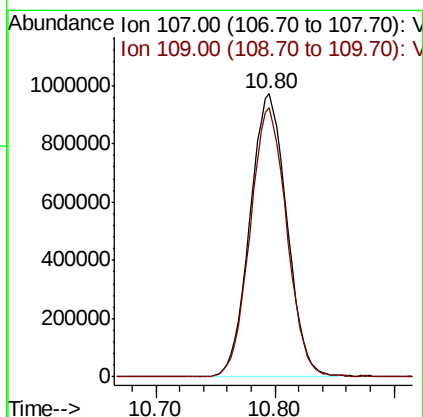
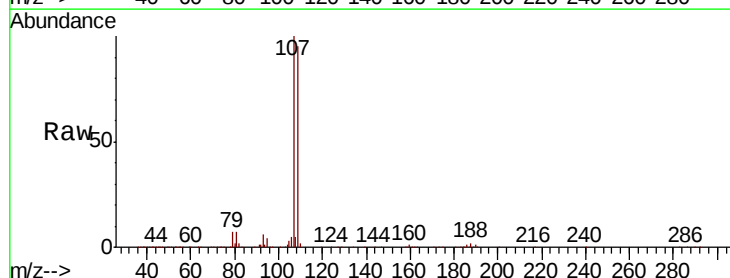
Acq: 24 Sep 2018 21:38

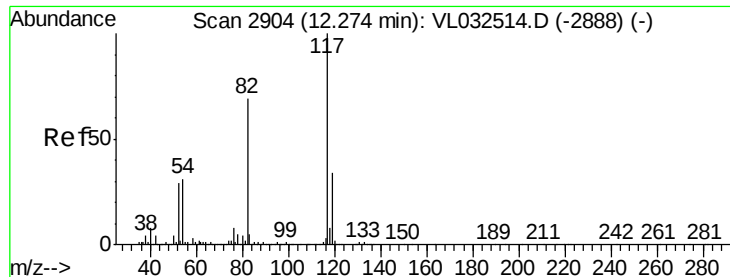
Tgt Ion: 107 Resp: 2086987

Ion Ratio Lower Upper

107 100

109 95.3 73.9 110.9





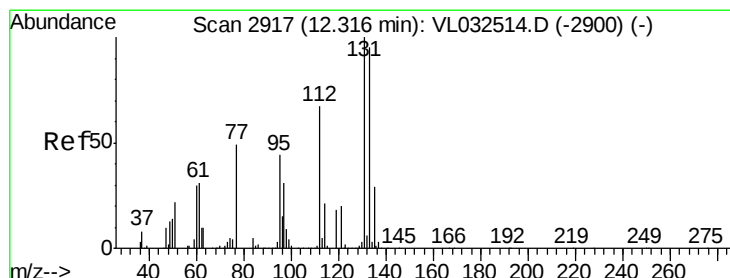
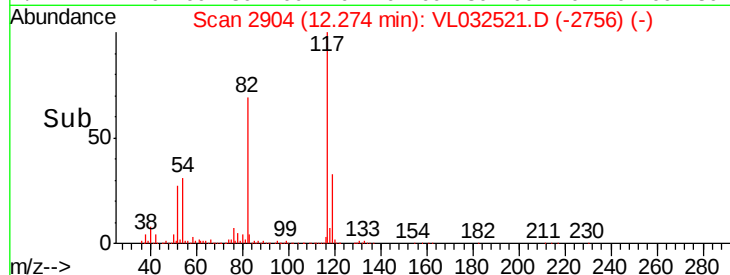
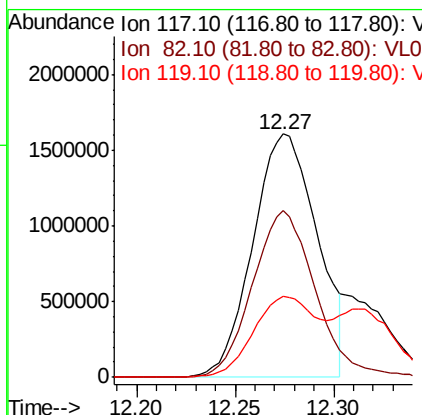
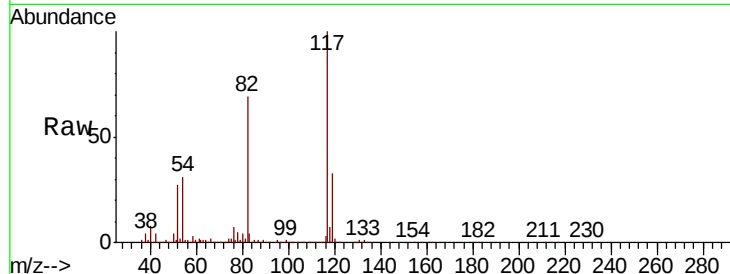
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.27 min Scan# 2904
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092418

Tot Ion:117 Resp: 3669825
Ion Ratio Lower Upper
117 100
82 67.5 53.0 79.6
119 58.2 45.9 68.9

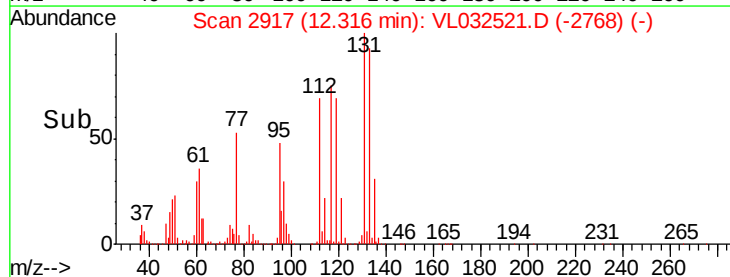
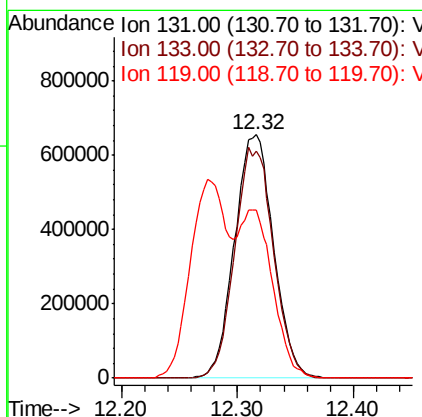
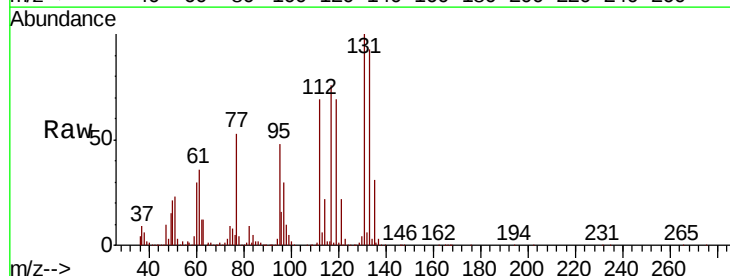
Manual Integrations
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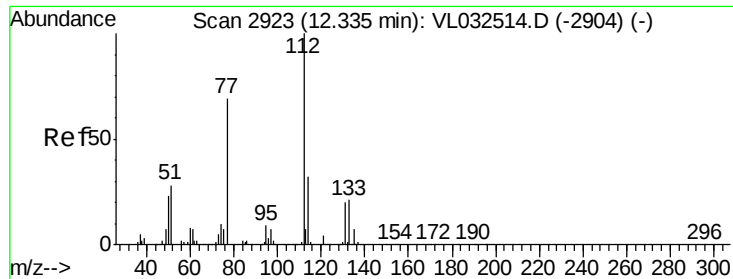
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.255 ppbv
RT: 12.32 min Scan# 2917
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Tgt Ion:131 Resp: 1526693
Ion Ratio Lower Upper
131 100
133 94.3 77.0 115.4
119 60.7 114.2 171.2#





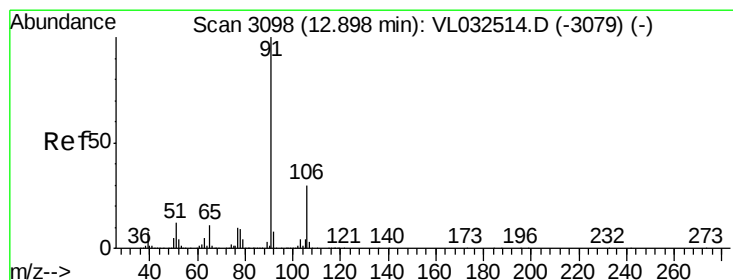
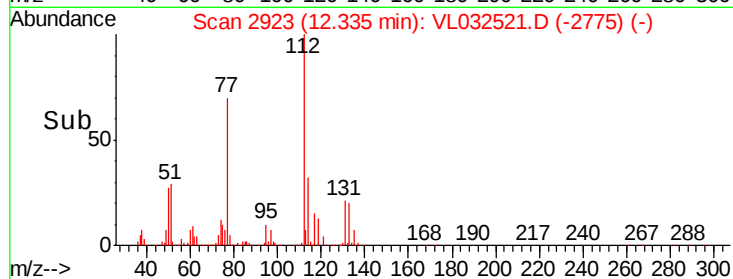
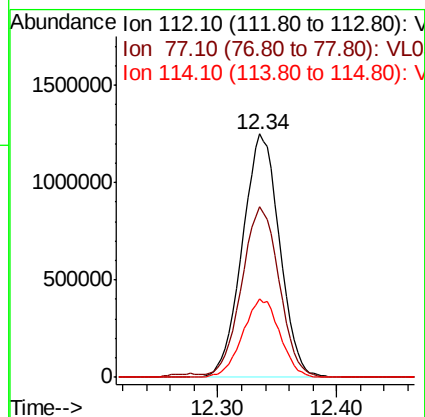
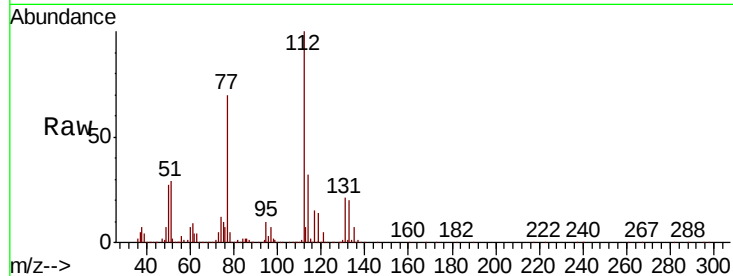
#57
Chlorobenzene
Concen: 9.161 ppbv
RT: 12.34 min Scan# 2923
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092418

Tot Ion	Ratio	Lower	Upper
112	100		
77	69.9	56.1	84.1
114	32.3	27.8	34.0

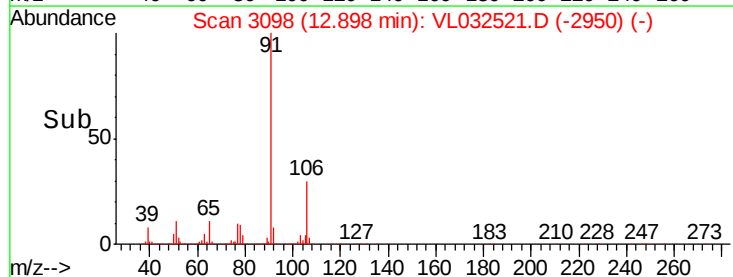
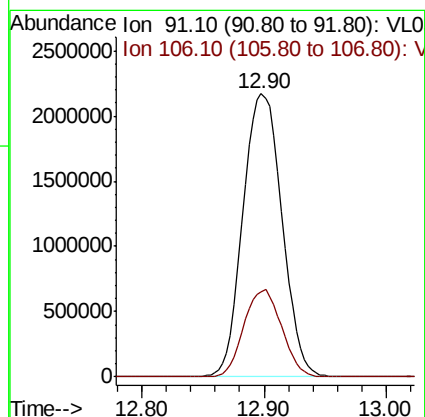
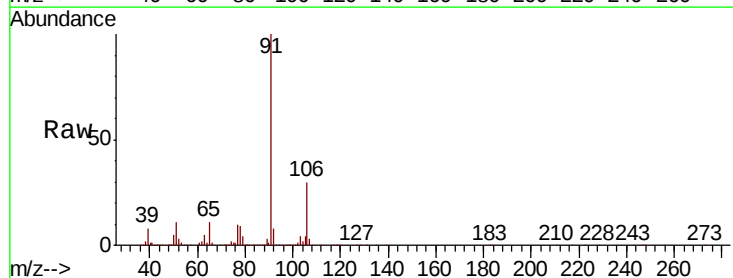
Manual Integrations
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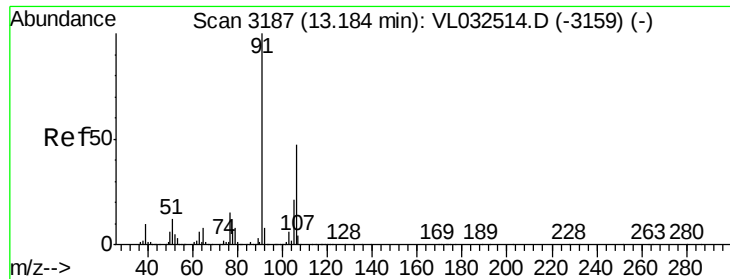
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#58
Ethyl Benzene
Concen: 10.777 ppbv
RT: 12.90 min Scan# 3098
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.8	37.2





#59

m/p-Xylene

Concen: 20.032 ppbv m

RT: 13.18 min Scan# 3187

Delta R.T. -0.02 min

Lab File: VL032521.D

Acq: 24 Sep 2018 21:38

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092418

Tot Ion: 91 Resp: 7934011

Ion Ratio Lower Upper

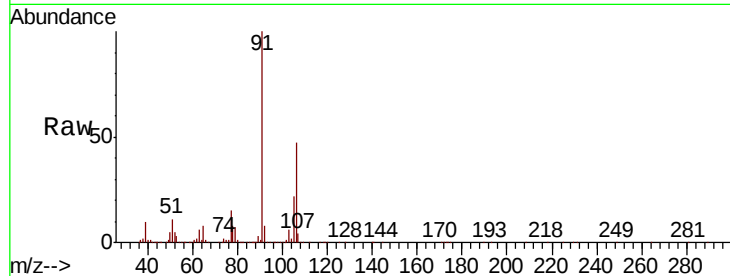
91 100

106 45.6 36.6 55.0

Manual Integrations
APPROVED

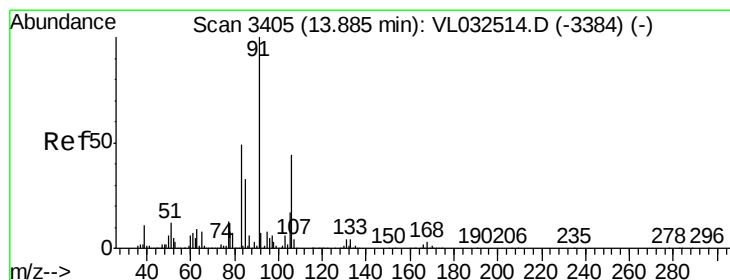
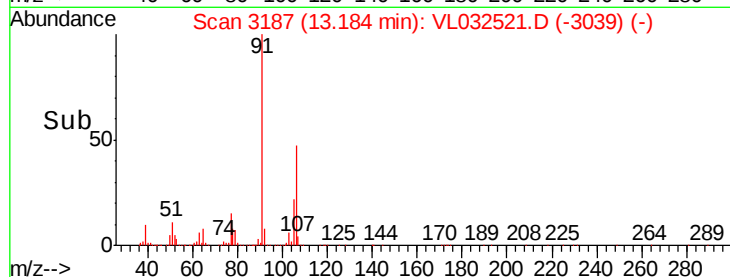
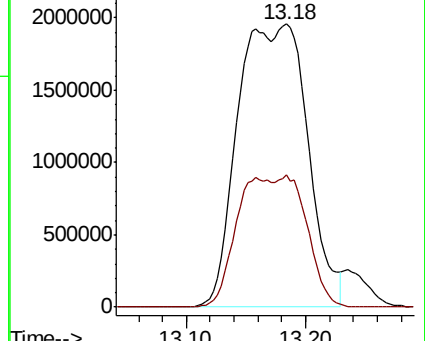
apatel

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 10.038 ppbv

RT: 13.88 min Scan# 3405

Delta R.T. -0.02 min

Lab File: VL032521.D

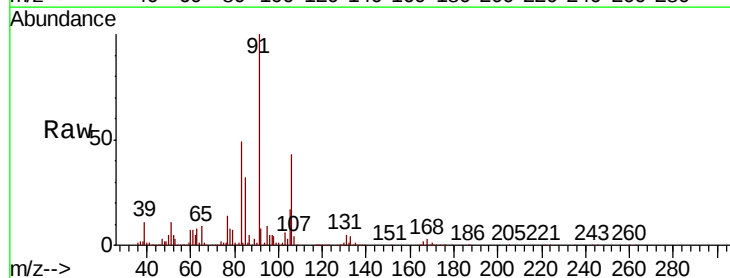
Acq: 24 Sep 2018 21:38

Tgt Ion: 91 Resp: 3870812

Ion Ratio Lower Upper

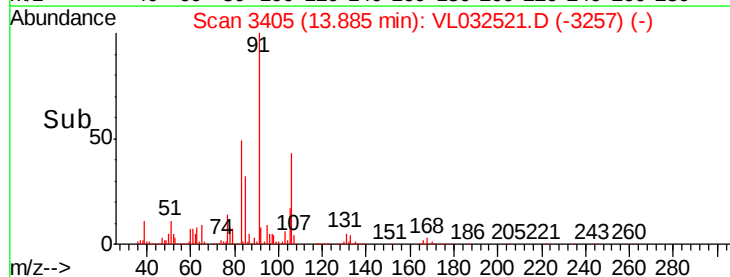
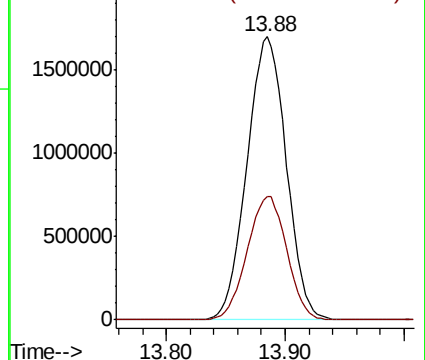
91 100

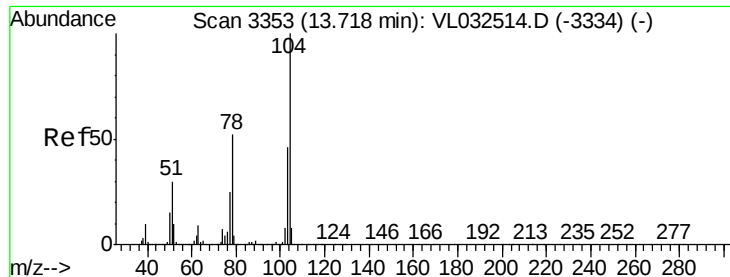
106 44.2 21.9 65.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 11.489 ppbv

RT: 13.72 min Scan# 3354

Delta R.T. -0.02 min

Lab File: VL032521.D

Acq: 24 Sep 2018 21:38

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092418

Tot Ion:104 Resp: 2898096

Ion Ratio Lower Upper

104 100

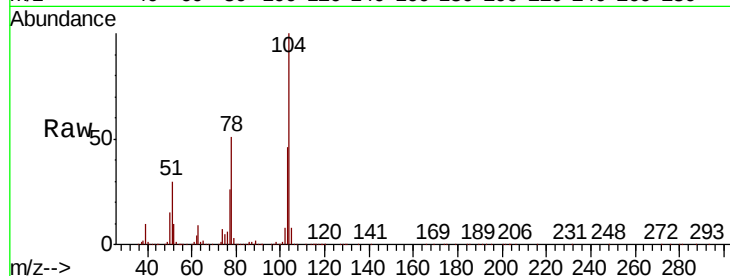
78 53.0 41.8 62.8

103 47.5 38.0 57.0

Manual Integrations
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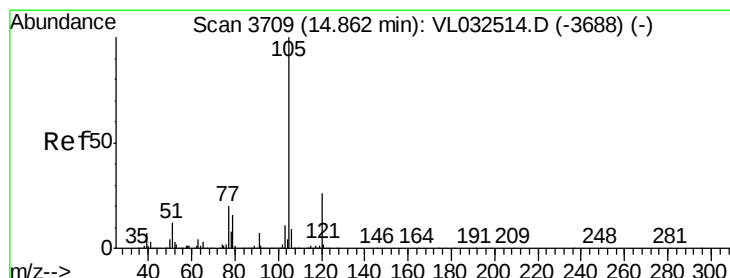
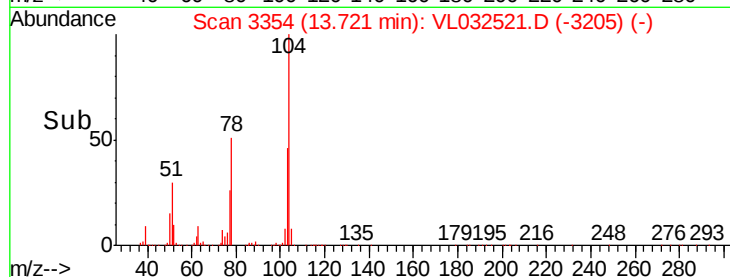
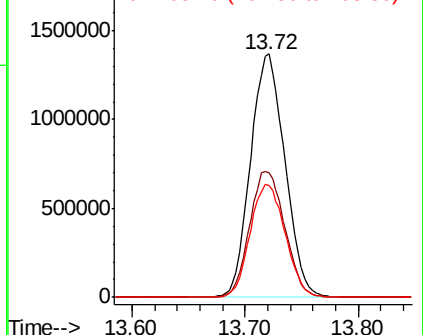
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.030 ppbv

RT: 14.86 min Scan# 3709

Delta R.T. -0.02 min

Lab File: VL032521.D

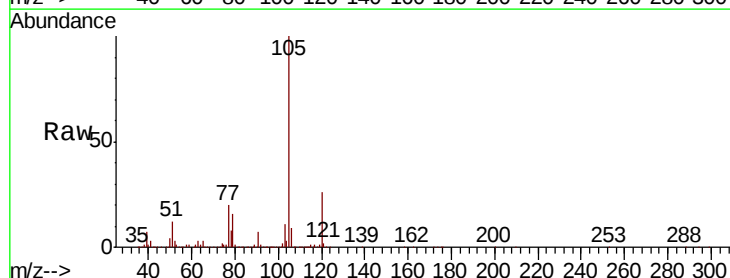
Acq: 24 Sep 2018 21:38

Tgt Ion:105 Resp: 5469858

Ion Ratio Lower Upper

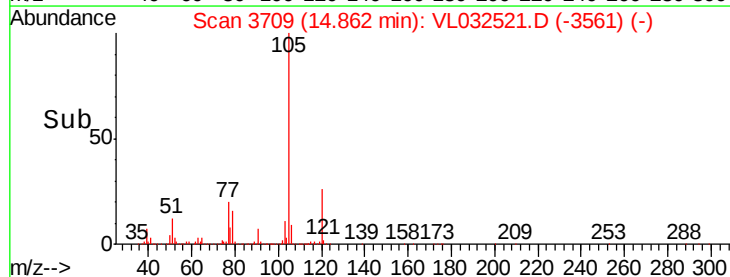
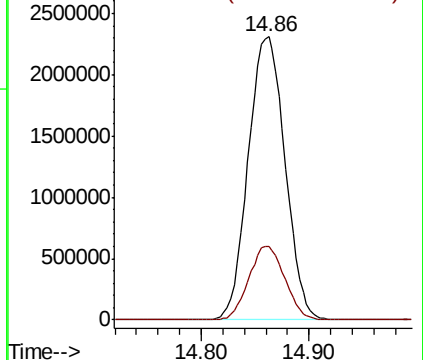
105 100

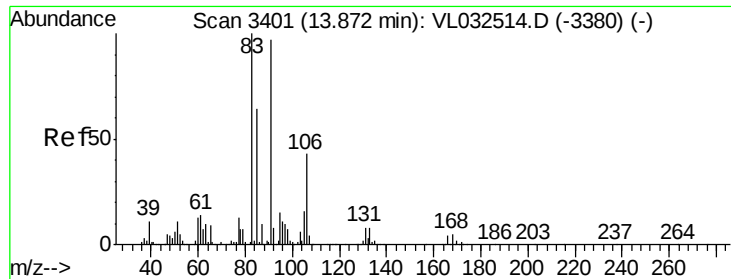
120 25.6 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





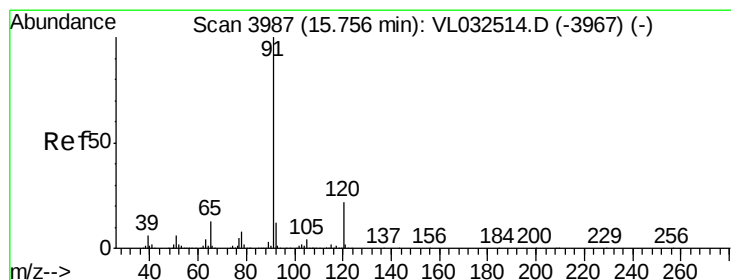
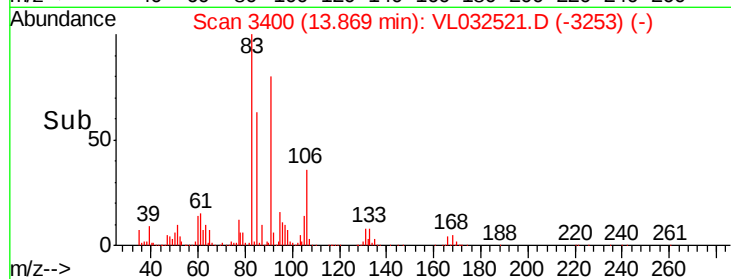
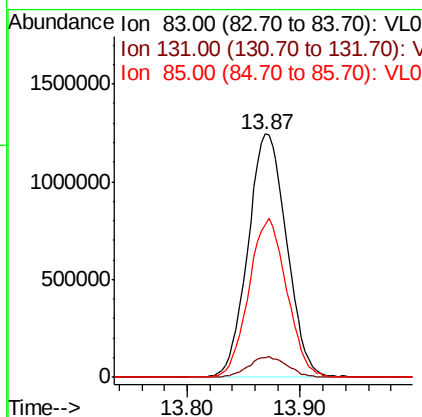
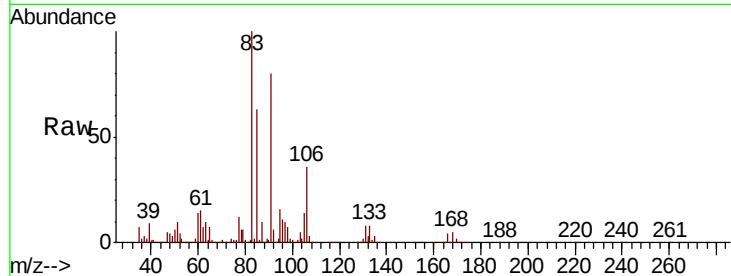
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.636 ppbv
 RT: 13.87 min Scan# 3400
 Delta R.T. -0.03 min
 Lab File: VL032521.D
 Acq: 24 Sep 2018 21:38

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092418

Tot Ion	83	Resp	2958641
Ion Ratio	100	Lower	Upper
83	100		
131	8.5	4.3	12.8
85	64.3	32.3	96.8

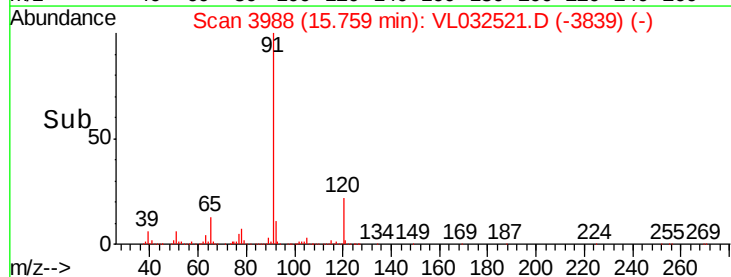
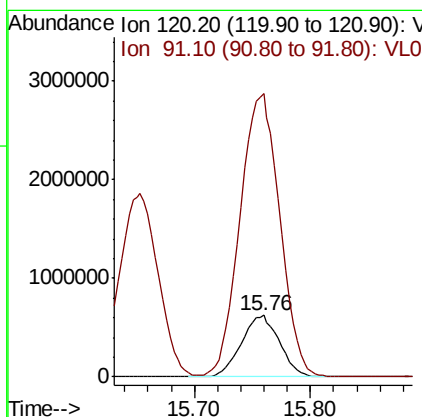
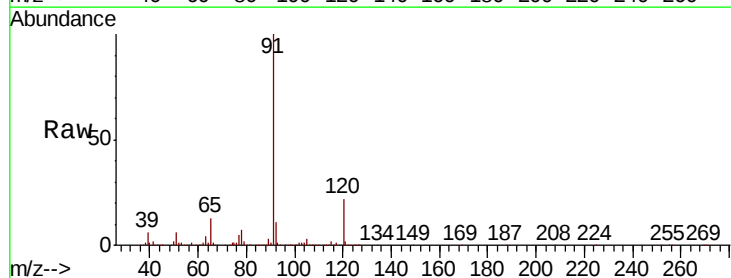
Manual Integrations
 APPROVED

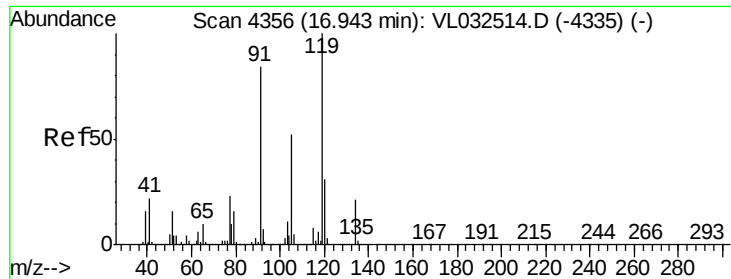
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#64
 n-propylbenzene
 Concen: 10.135 ppbv
 RT: 15.76 min Scan# 3988
 Delta R.T. -0.02 min
 Lab File: VL032521.D
 Acq: 24 Sep 2018 21:38

Tgt Ion	120	Resp	1419911
Ion Ratio	100	Lower	Upper
120	100		
91	483.0	381.8	572.6





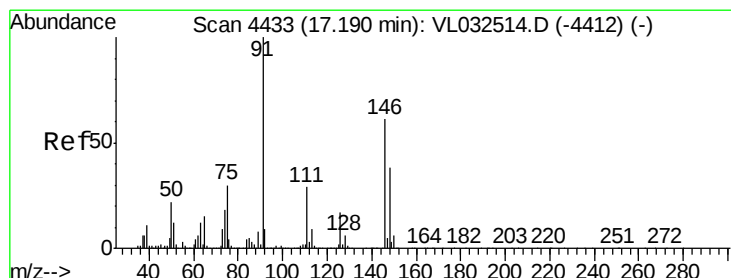
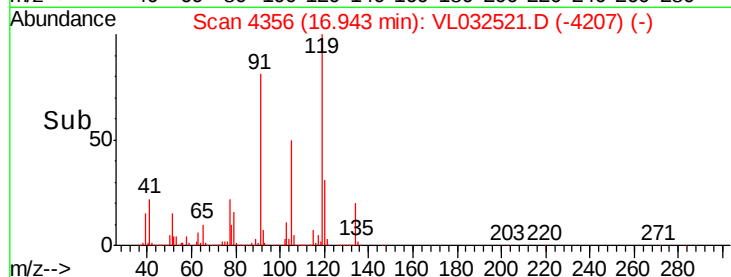
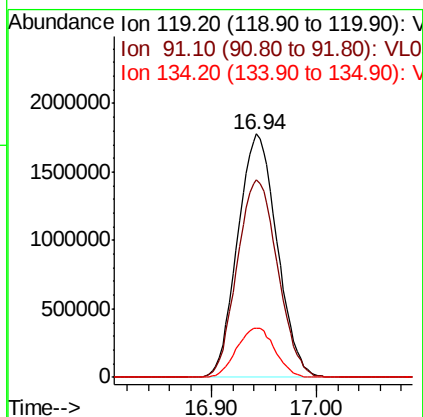
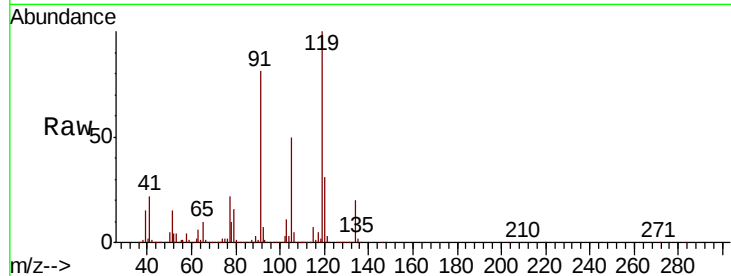
#65
tert-Butylbenzene
Concen: 9.864 ppbv
RT: 16.94 min Scan# 4356
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092418

Tot Ion	Ratio	Lower	Upper
119	100		
91	83.7	66.5	99.7
134	19.7	16.0	24.0

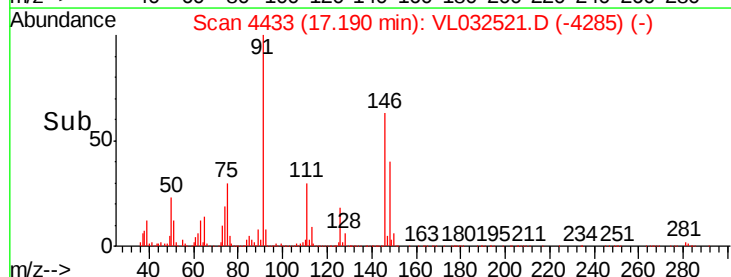
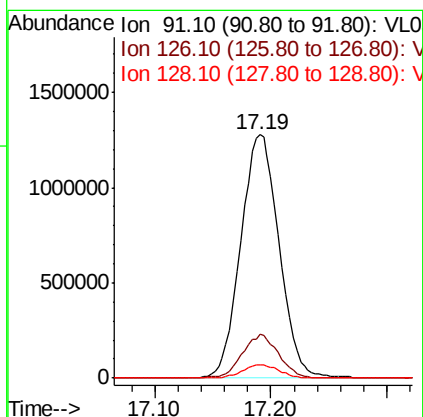
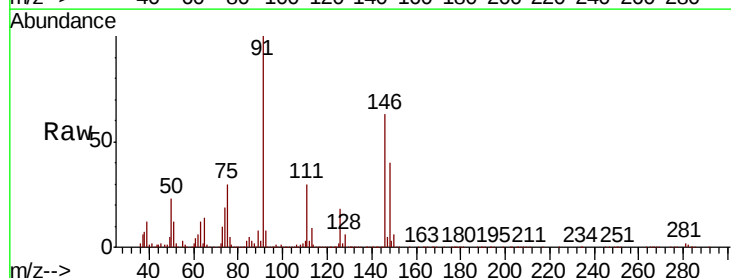
Manual Integrations
APPROVED

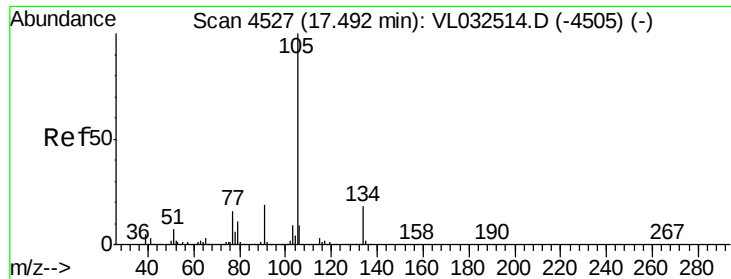
apatel
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#66
Benzyl Chloride
Concen: 10.848 ppbv
RT: 17.19 min Scan# 4433
Delta R.T. -0.02 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.2	13.8	20.8
128	5.4	4.4	6.6





#67

sec-Butylbenzene

Concen: 9.822 ppbv

RT: 17.49 min Scan# 4527

Delta R.T. -0.02 min

Lab File: VL032521.D

Acq: 24 Sep 2018 21:38

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092418

Tot Ion:105 Resp: 6825555

Ion Ratio Lower Upper

105 100

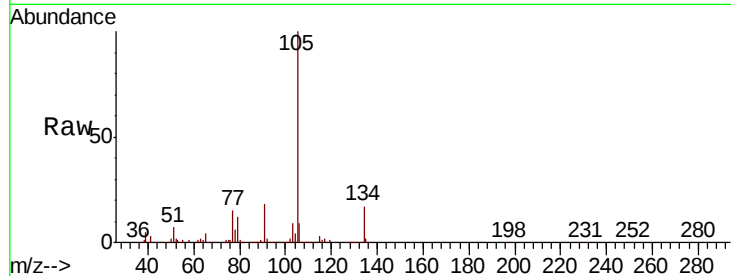
134 17.7 14.4 21.6

Manual Integrations

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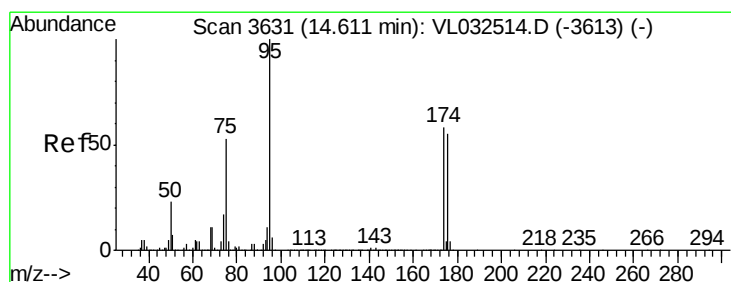
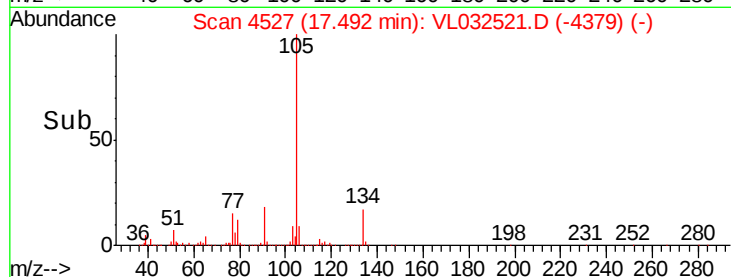
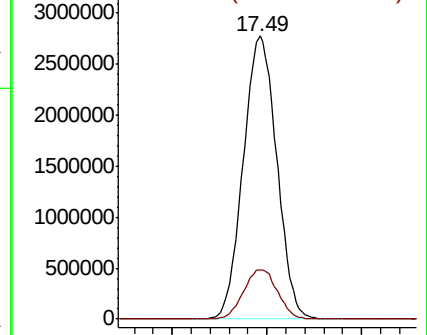
apatel

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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: 10.141 ppbv

RT: 14.61 min Scan# 3631

Delta R.T. -0.02 min

Lab File: VL032521.D

Acq: 24 Sep 2018 21:38

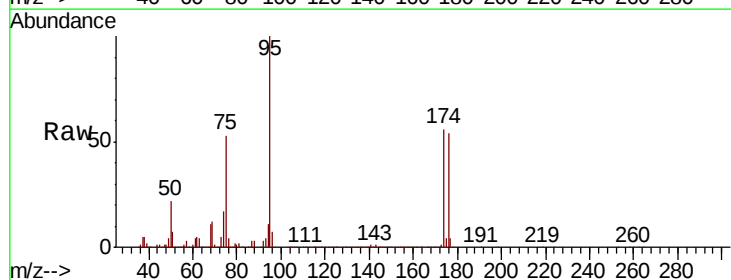
Tgt Ion: 95 Resp: 2806365

Ion Ratio Lower Upper

95 100

174 57.3 46.3 69.5

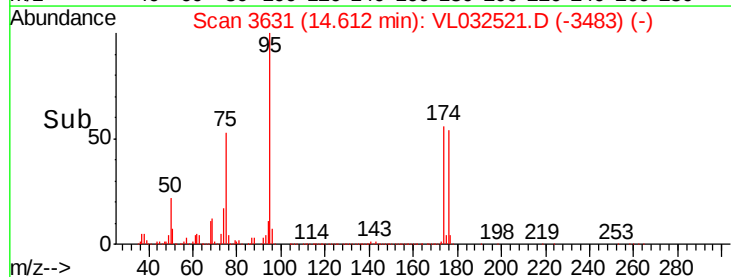
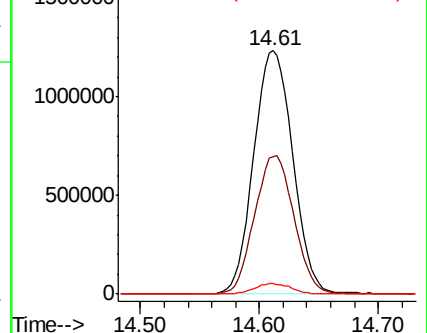
175 4.3 3.4 5.0

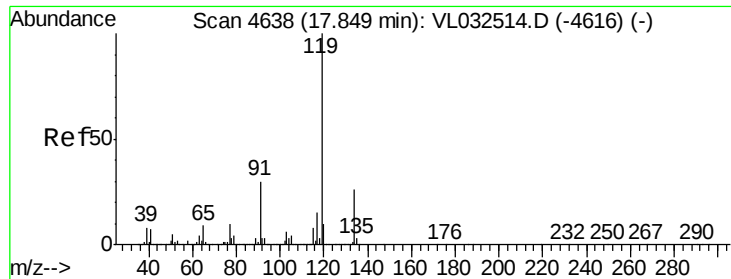


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





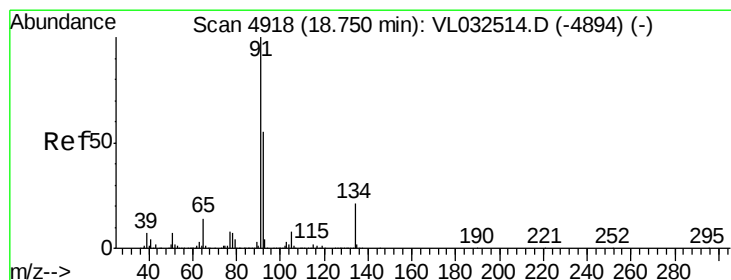
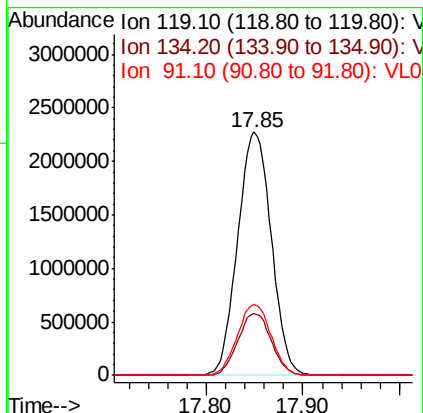
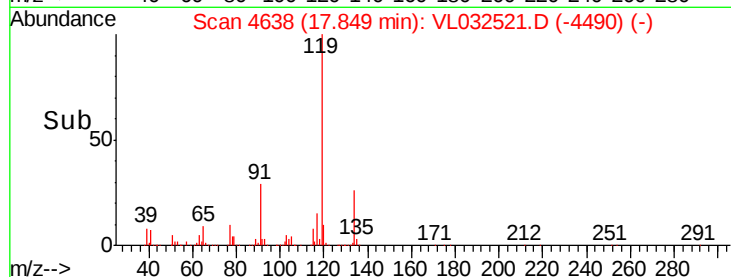
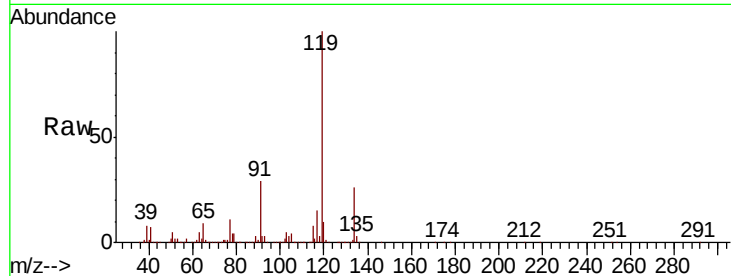
#69
 p-Isopropyltoluene
 Concen: 10.205 ppbv
 RT: 17.85 min Scan# 4638
 Delta R.T. -0.02 min
 Lab File: VL032521.D
 Acq: 24 Sep 2018 21:38

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092418

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.4	30.6
91	29.2	23.4	35.2

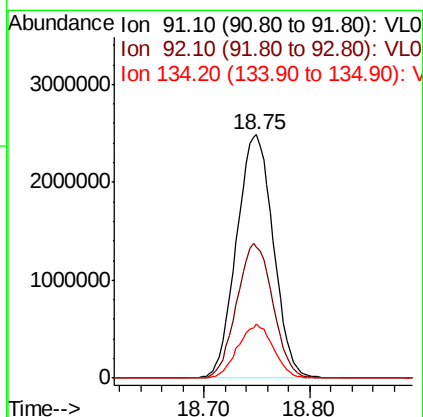
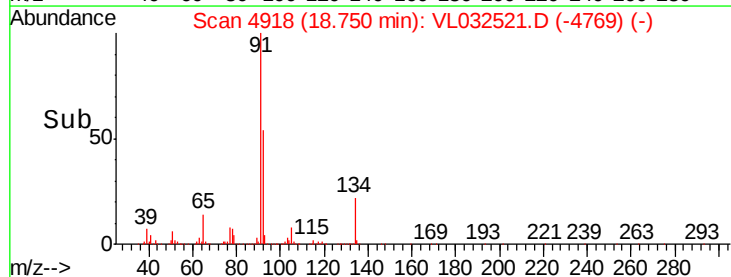
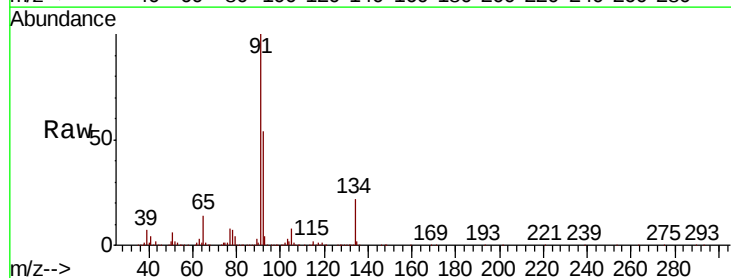
Manual Integrations
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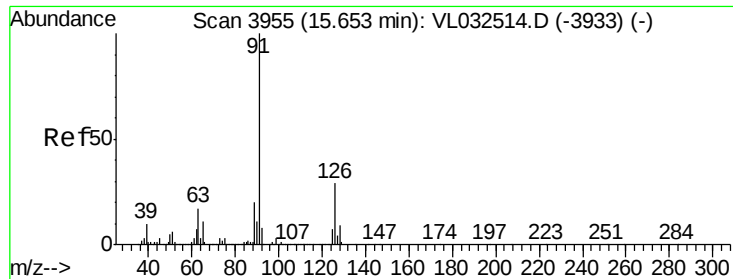
apatel
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#70
 n-Butylbenzene
 Concen: 10.258 ppbv
 RT: 18.75 min Scan# 4918
 Delta R.T. -0.02 min
 Lab File: VL032521.D
 Acq: 24 Sep 2018 21:38

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	43.8	65.8
134	21.4	17.4	26.0





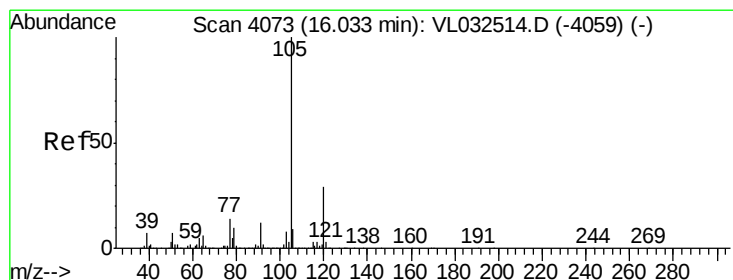
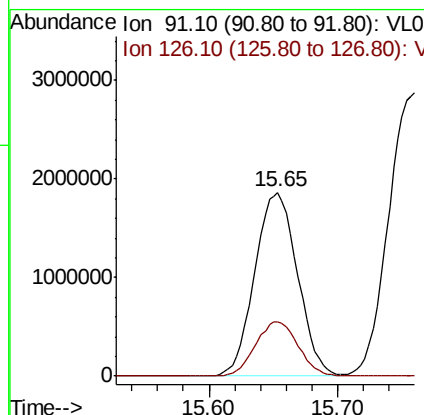
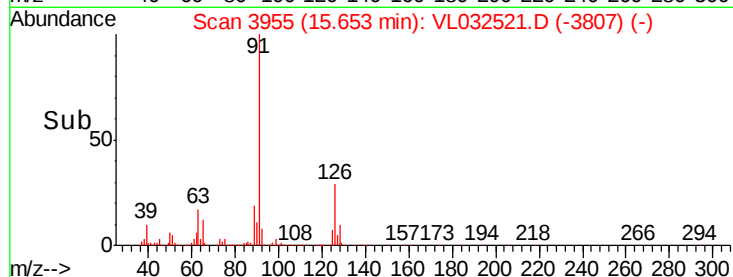
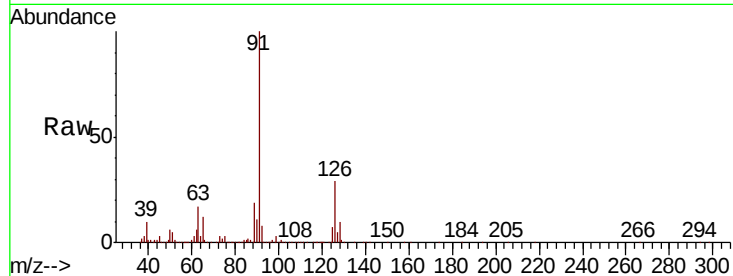
#71
 2-Chlorotoluene
 Concen: 10.344 ppbv
 RT: 15.65 min Scan# 3955
 Delta R.T. -0.02 min
 Lab File: VL032521.D
 Acq: 24 Sep 2018 21:38

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092418

Tot Ion: 91 Resp: 4296224
 Ion Ratio Lower Upper
 91 100
 126 29.6 11.9 47.7

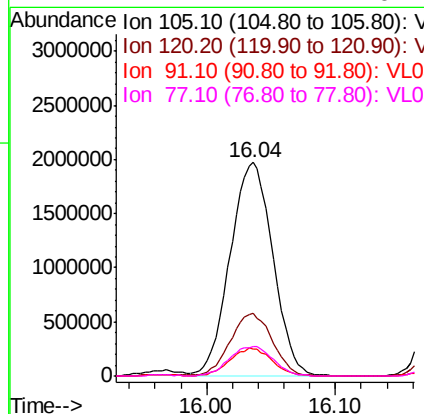
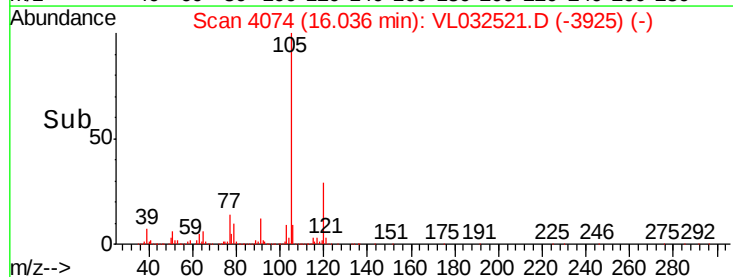
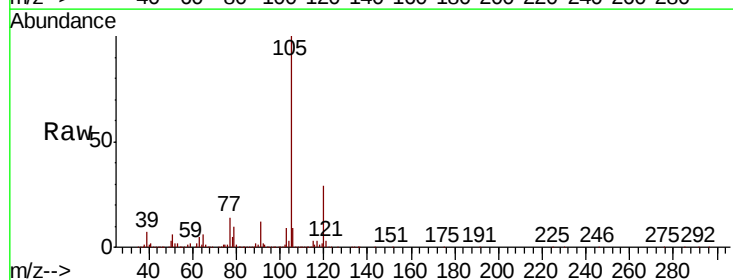
Manual Integrations
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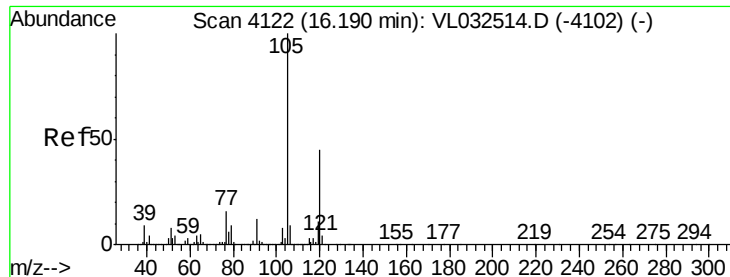
apatel
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#72
 4-Ethyltoluene
 Concen: 10.828 ppbv
 RT: 16.04 min Scan# 4074
 Delta R.T. -0.02 min
 Lab File: VL032521.D
 Acq: 24 Sep 2018 21:38

Tgt Ion: 105 Resp: 4532128
 Ion Ratio Lower Upper
 105 100
 120 28.9 23.5 35.3
 91 12.7 10.2 15.2
 77 14.1 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 10.568 ppbv

RT: 16.19 min Scan# 4122

Delta R.T. -0.03 min

Lab File: VL032521.D

Acq: 24 Sep 2018 21:38

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092418

Tot Ion:105 Resp: 4298655

Ion Ratio Lower Upper

105 100

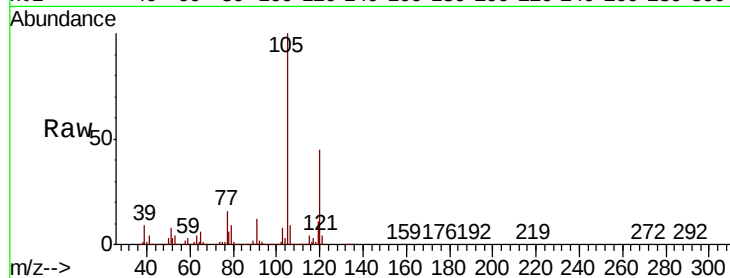
120 45.2 37.9 56.9

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.19

2000000

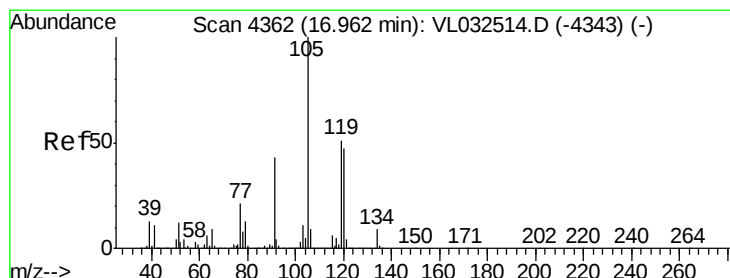
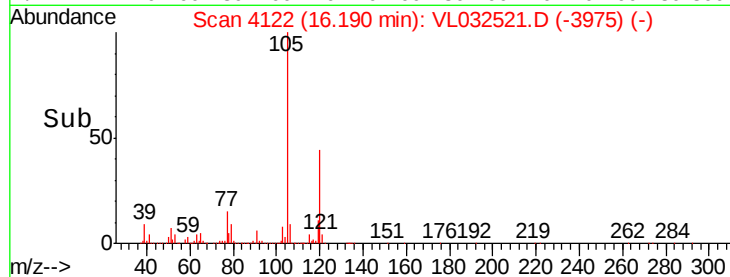
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.893 ppbv

RT: 16.96 min Scan# 4362

Delta R.T. -0.02 min

Lab File: VL032521.D

Acq: 24 Sep 2018 21:38

Tgt Ion:105 Resp: 4332940

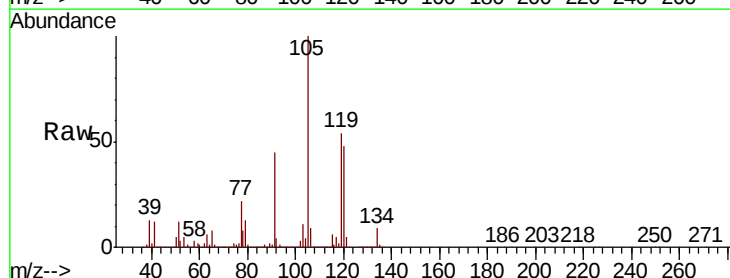
Ion Ratio Lower Upper

105 100

120 47.8 37.8 56.8

91 45.3 41.4 62.0

77 21.7 18.6 28.0



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

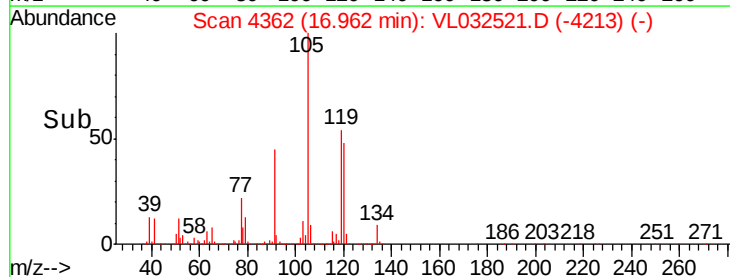
1500000

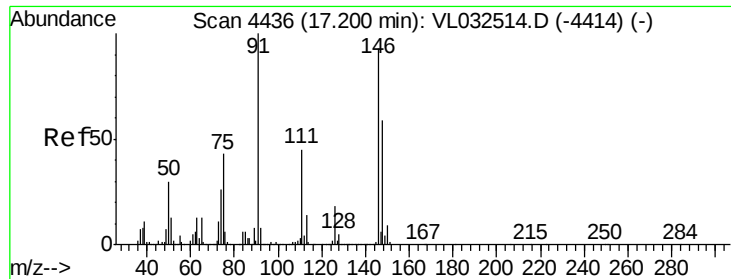
1000000

500000

0

Time-->





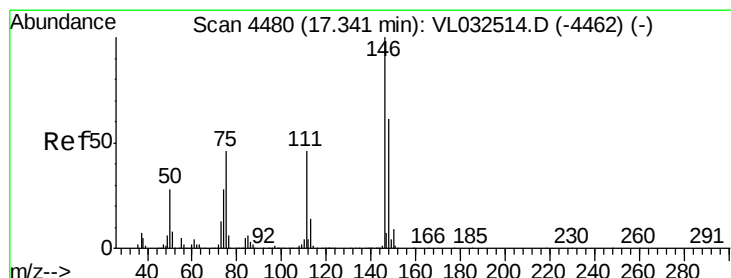
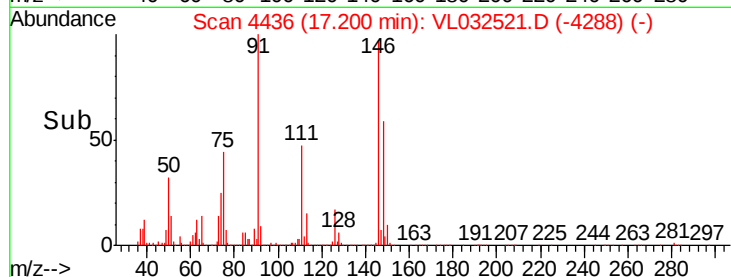
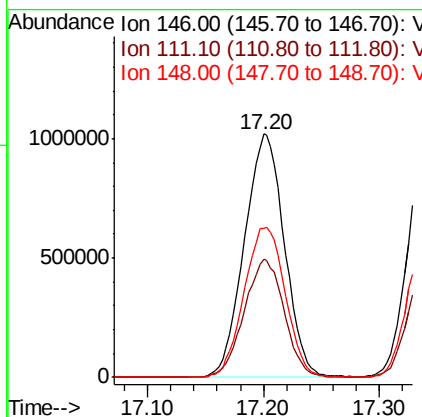
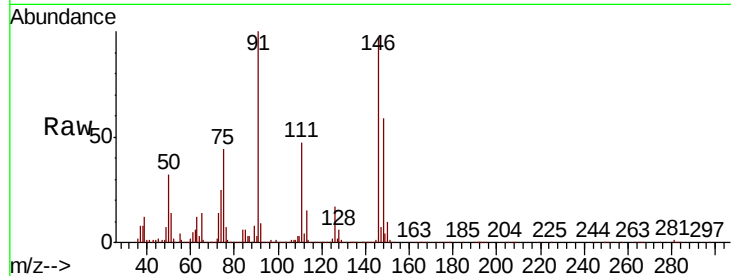
#75
 1,3-Dichlorobenzene
 Concen: 9.047 ppbv
 RT: 17.20 min Scan# 4436
 Delta R.T. -0.02 min
 Lab File: VL032521.D
 Acq: 24 Sep 2018 21:38

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092418

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.5	73.5
148	63.7	32.0	96.2

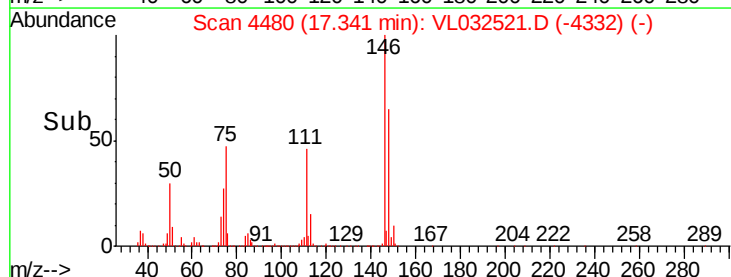
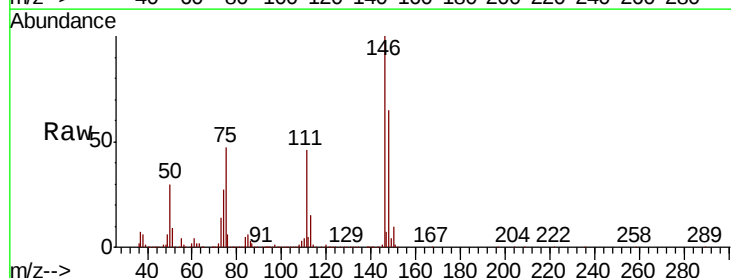
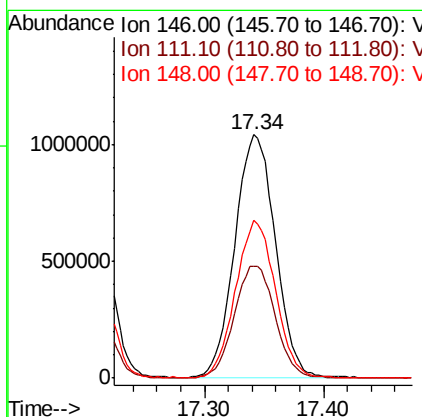
Manual Integrations
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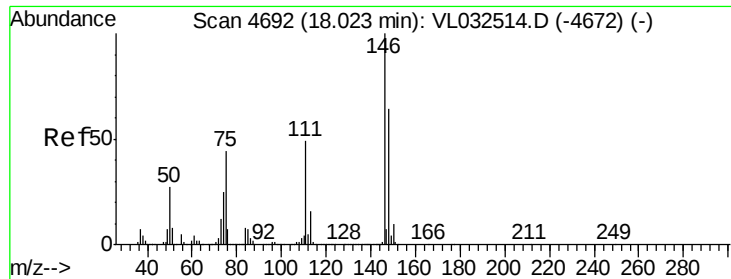
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#76
 1,4-Dichlorobenzene
 Concen: 9.863 ppbv
 RT: 17.34 min Scan# 4480
 Delta R.T. -0.02 min
 Lab File: VL032521.D
 Acq: 24 Sep 2018 21:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.1	23.4	70.2
148	64.3	32.0	96.2





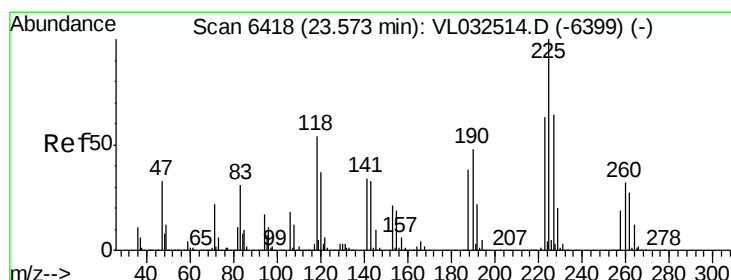
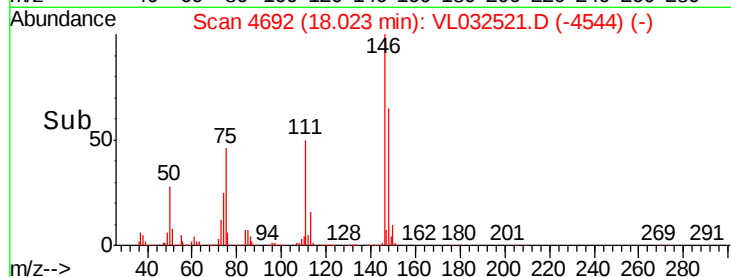
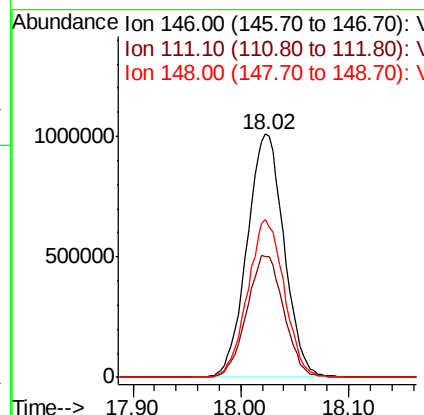
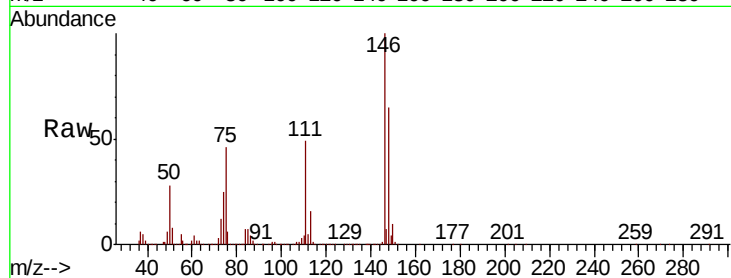
#77
 1,2-Dichlorobenzene
 Concen: 9.452 ppbv
 RT: 18.02 min Scan# 4692
 Delta R.T. -0.02 min
 Lab File: VL032521.D
 Acq: 24 Sep 2018 21:38

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092418

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.2	24.9	74.8
148	64.3	32.0	96.0

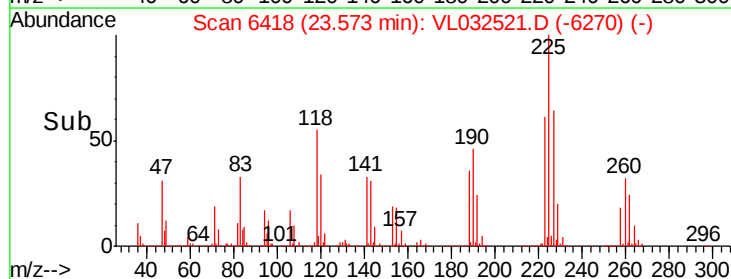
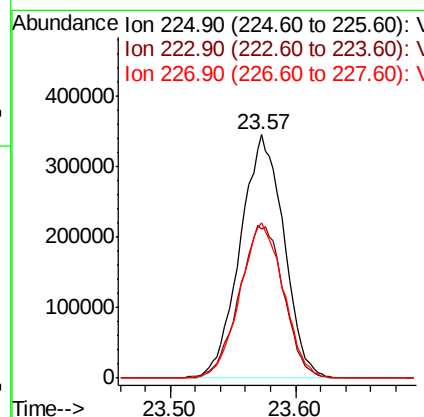
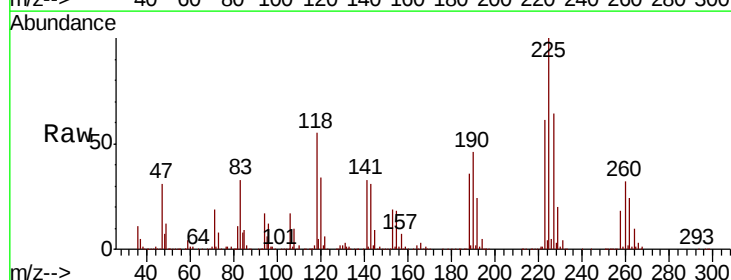
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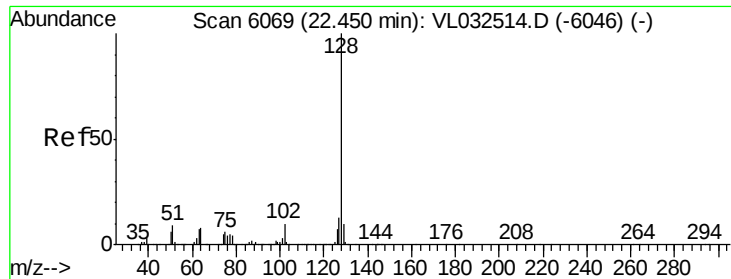
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.748 ppbv
 RT: 23.57 min Scan# 6418
 Delta R.T. -0.02 min
 Lab File: VL032521.D
 Acq: 24 Sep 2018 21:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.6	76.0
227	63.6	51.2	76.8





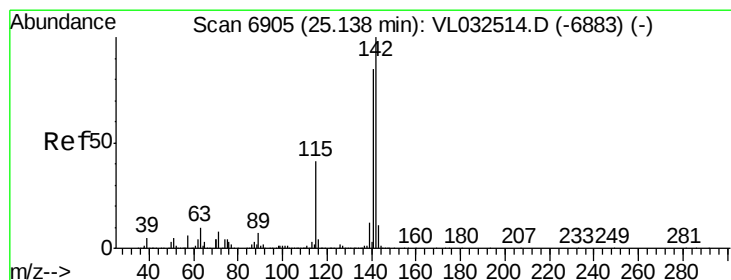
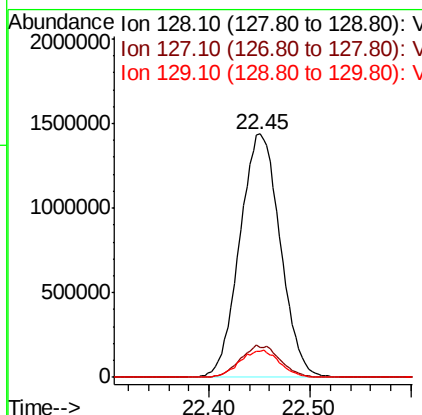
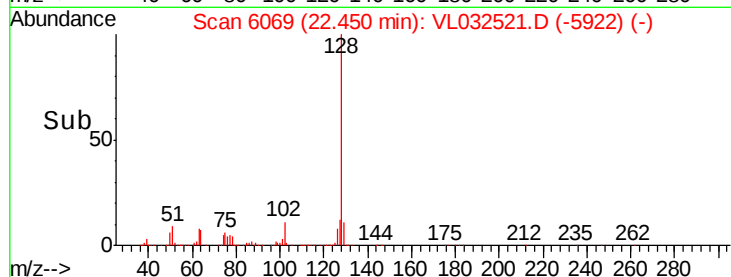
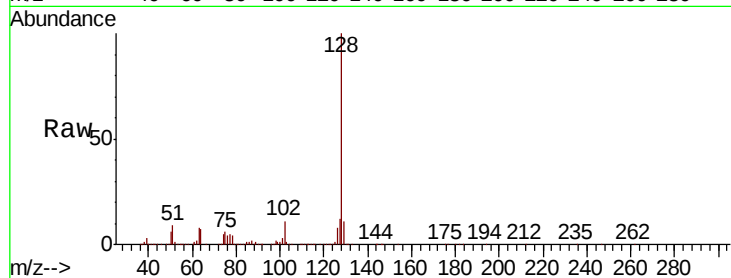
#79
Naphthalene
Concen: 12.673 ppbv
RT: 22.45 min Scan# 6069
Delta R.T. -0.03 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092418

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.7	8.5	12.7

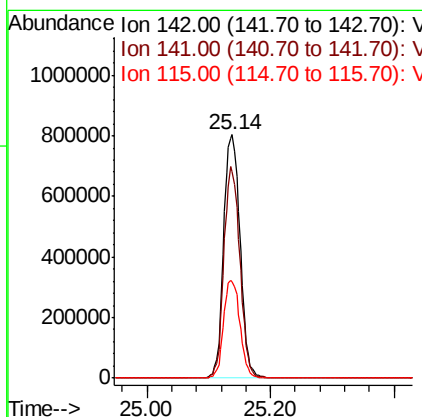
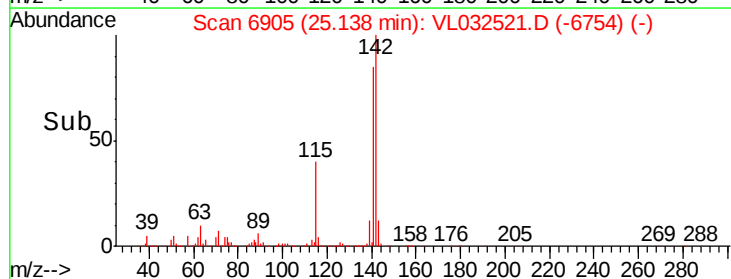
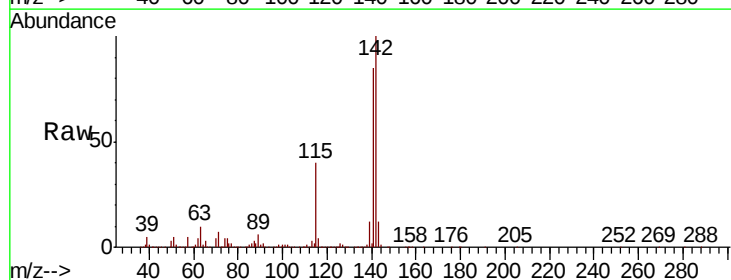
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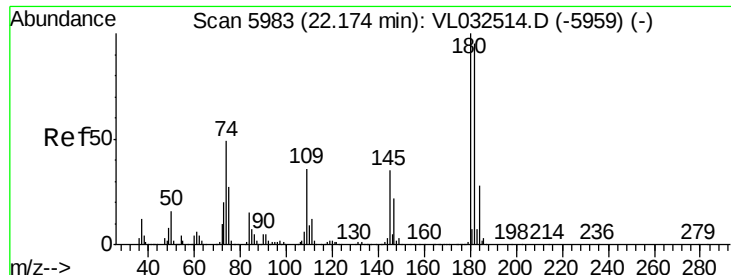
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#80
Naphthalene, 2-methyl-
Concen: 20.009 ppbv
RT: 25.14 min Scan# 6905
Delta R.T. -0.01 min
Lab File: VL032521.D
Acq: 24 Sep 2018 21:38

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.8	67.0	100.6
115	40.0	31.3	46.9





#81
 1,2,4-Trichlorobenzene
 Concen: 11.787 ppbv
 RT: 22.17 min Scan# 5983
 Delta R.T. -0.03 min
 Lab File: VL032521.D
 Acq: 24 Sep 2018 21:38

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092418

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.1	114.1
184	30.2	23.8	35.8

Manual Integrations
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