

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112918\
 Data File : VL032830.D
 Acq On : 29 Nov 2018 9:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
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apatel
 12/4/2018 8:38:21 AM

Quant Time: Nov 30 06:40:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1544505	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3837075	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3781187m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2865319	10.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1403042	6.320	ppbv	98
3) Chlorodifluoromethane	3.02	51	1058088	8.641	ppbv	99
4) Chloromethane	3.18	50	567294	8.355	ppbv	97
5) Vinyl Chloride	3.30	62	603021	8.382	ppbv	99
6) Bromomethane	3.52	94	550308	12.503	ppbv	91
7) Chloroethane	3.61	64	316318	12.199	ppbv #	89
8) Dichlorotetrafluoroethane	3.23	85	1519803	8.687	ppbv	97
9) Propene	3.04	41	425593	8.685	ppbv	99
10) Heptane	8.25	43	1818110	9.718	ppbv	99
11) Trichlorofluoromethane	4.01	101	2318820	11.083	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1672537	9.787	ppbv	97
13) Ethanol	3.66	45	143388	8.934	ppbv	100
14) Bromoethene	3.80	108	704572	12.427	ppbv	99
15) Acetone	3.91	43	1478436	10.482	ppbv	100
16) 1,3-Butadiene	3.37	39	492521	9.017	ppbv	88
17) tert-Butyl alcohol	4.36	59	446716	10.098	ppbv	100
18) 1,1-Dichloroethene	4.36	96	817853	9.732	ppbv	96
19) Isopropyl Alcohol	4.03	45	1005924	10.706	ppbv #	99
20) Methylene Chloride	4.42	84	688101	9.423	ppbv	97
21) Allyl Chloride	4.49	41	1202659	10.146	ppbv	98
22) trans-1,2-Dichloroethene	4.97	96	806417	9.827	ppbv	97
23) Vinyl Acetate	5.16	43	2430601	9.453	ppbv	100
24) 1,1-Dichloroethane	5.10	63	1866507	9.131	ppbv	99
25) Ethyl Acetate	5.78	43	3161517	9.617	ppbv	100
26) Hexane	5.79	57	1481103	10.121	ppbv	99
27) Carbon Disulfide	4.63	76	2027063	10.924	ppbv	100
28) Methyl tert-Butyl Ether	5.12	73	2309650	9.897	ppbv	100
29) Chloroform	5.86	83	2503127	9.597	ppbv	95
30) Cyclohexane	7.25	84	1267107	9.900	ppbv	97
31) cis-1,2-Dichloroethene	5.65	61	1435838	9.759	ppbv	99
32) 1,1,1-Trichloroethane	6.63	97	2554635	8.936	ppbv	99
34) 2-Butanone	5.34	43	1890323	9.498	ppbv	99
35) Carbon Tetrachloride	7.14	117	2776146	9.000	ppbv	100
36) Benzene	7.02	78	2929840	9.589	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1883611	9.158	ppbv	100
38) Trichloroethene	7.97	130	1258422	10.177	ppbv	96
39) 1,2-Dichloropropane	7.75	63	1101335	9.460	ppbv	98
40) 1,4-Dioxane	7.97	88	402462	9.679	ppbv	95
41) Tetrahydrofuran	6.16	42	1078164	9.445	ppbv	100
42) Bromodichloromethane	7.93	83	2699678	9.682	ppbv	99
43) Methyl Methacrylate	8.15	69	1175974	10.309	ppbv	98

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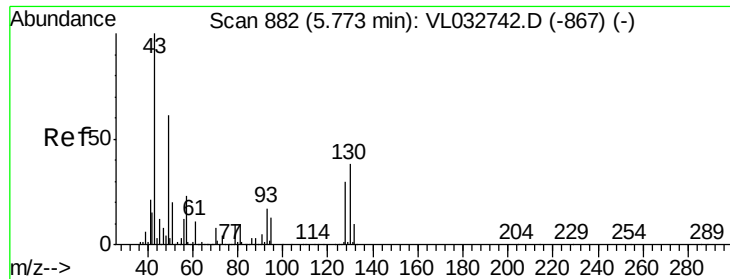
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4983848	9.761	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	1763741	11.523	ppbv	100
46) cis-1,3-Dichloropropene	8.85	75	1993856	10.782	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	1319788	9.587	ppbv	94
48) Dibromochloromethane	10.46	129	2407991	10.292	ppbv	100
49) Bromoform	13.21	173	2027278	10.492	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	3076781	9.898	ppbv	100
51) 2-Hexanone	10.28	43	2151250	10.742	ppbv #	100
52) Tetrachloroethene	11.38	164	1096257	10.314	ppbv	98
53) Toluene	9.96	91	3427064	10.751	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1984495	10.198	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.29	131	1704574	9.665	ppbv	100
57) Chlorobenzene	12.32	112	2814353	9.723	ppbv	99
58) Ethyl Benzene	12.88	91	4766706	10.475	ppbv	98
59) m/p-Xylene	13.14	91	7908059m	19.521	ppbv	
60) o-Xylene	13.86	91	3946518	9.689	ppbv	100
61) Styrene	13.70	104	2924960	11.031	ppbv	99
62) Isopropylbenzene	14.84	105	5599155	10.170	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2699135	8.501	ppbv	99
64) n-propylbenzene	15.74	120	1530475m	10.569	ppbv	
65) tert-Butylbenzene	16.92	119	5001157	10.133	ppbv	98
66) Benzyl Chloride	17.17	91	2783823	10.203	ppbv	100
67) sec-Butylbenzene	17.47	105	6990258	9.828	ppbv	99
69) p-Isopropyltoluene	17.83	119	5677827	10.040	ppbv	99
70) n-Butylbenzene	18.73	91	5615285	9.778	ppbv	99
71) 2-Chlorotoluene	15.63	91	4390900	10.694	ppbv	99
72) 4-Ethyltoluene	16.01	105	4506309	10.093	ppbv	99
73) 1,3,5-Trimethylbenzene	16.17	105	4338220	9.938	ppbv	99
74) 1,2,4-Trimethylbenzene	16.94	105	4415776	9.453	ppbv	95
75) 1,3-Dichlorobenzene	17.18	146	2485753	9.277	ppbv	100
76) 1,4-Dichlorobenzene	17.32	146	2427598	9.699	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	2371457	9.567	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1457123	10.892	ppbv	99
79) Naphthalene	22.42	128	2937396	9.572	ppbv	97
80) Naphthalene,2-methyl-	25.12	142	824027	10.722	ppbv	98
81) 1,2,4-Trichlorobenzene	22.15	180	1514962	9.831	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.00 min

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VSTDCCC010

Tgt Ion: 49 Resp: 1544505

Ion Ratio Lower Upper

49 100

128 51.9 24.9 74.6

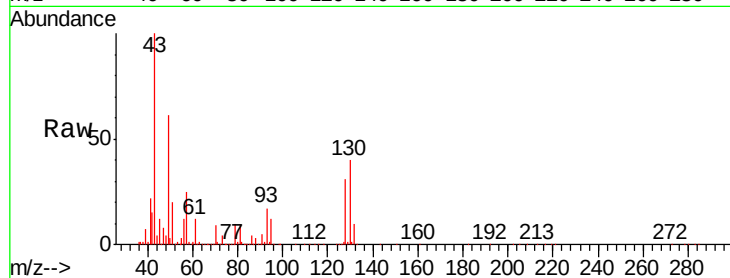
130 66.4 31.4 94.2

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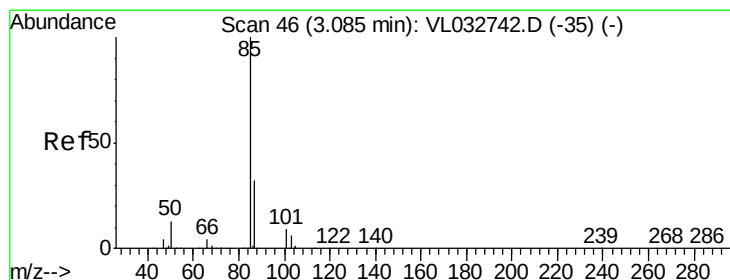
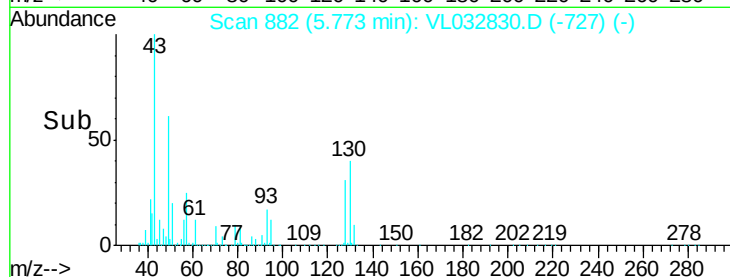
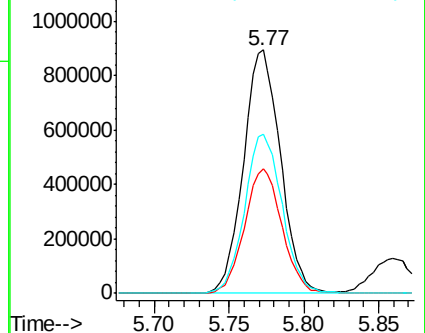
12/4/2018 8:38:21 AM



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: 6.320 ppbv

RT: 3.08 min Scan# 45

Delta R.T. -0.00 min

Lab File: VL032830.D

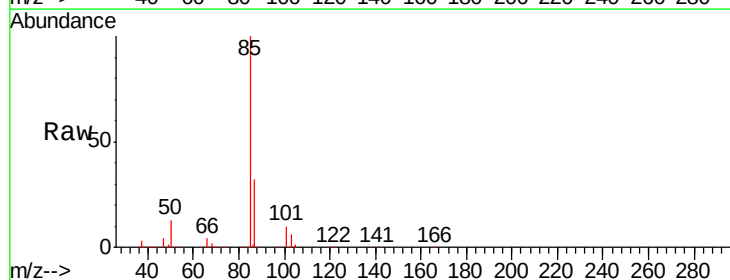
Acq: 29 Nov 2018 9:47

Tgt Ion: 85 Resp: 1403042

Ion Ratio Lower Upper

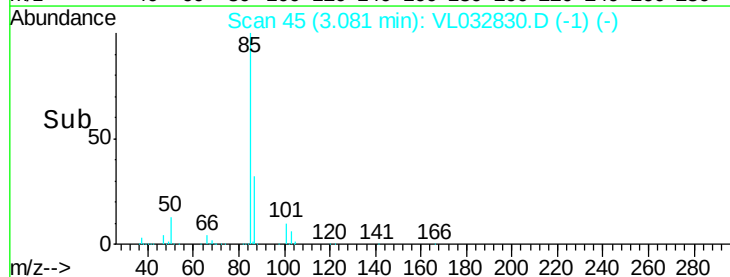
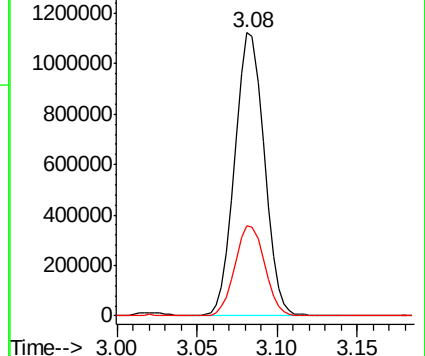
85 100

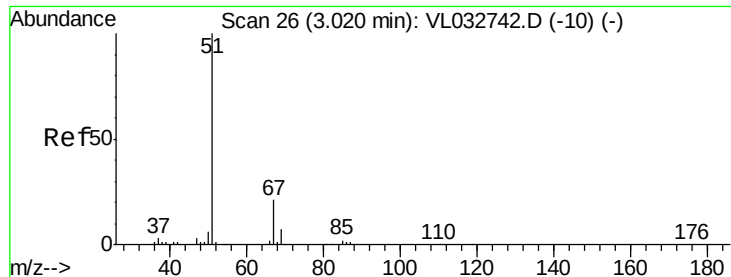
87 31.6 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





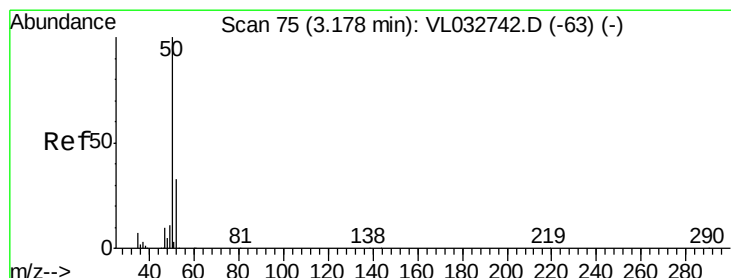
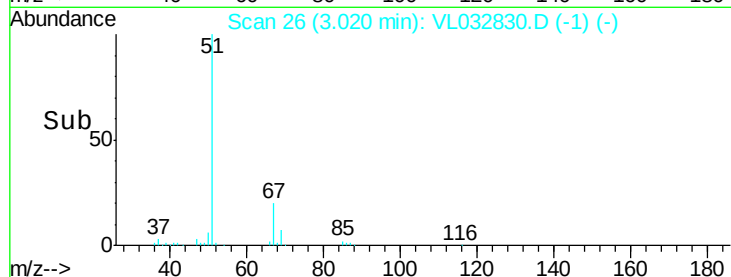
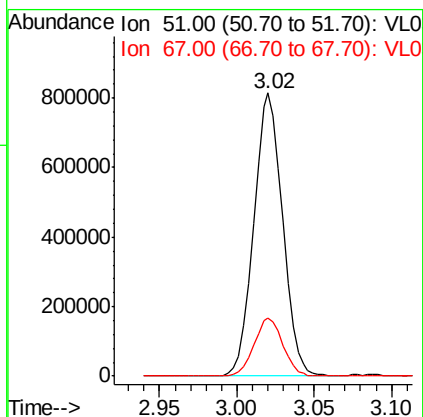
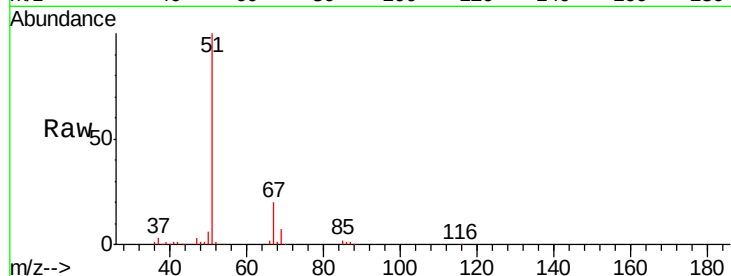
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Chlorodifluoromethane
Concen: 8.641 ppbv
RT: 3.02 min Scan# 26
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1058088
Ion Ratio Lower Upper
51 100
67 20.7 16.1 24.1

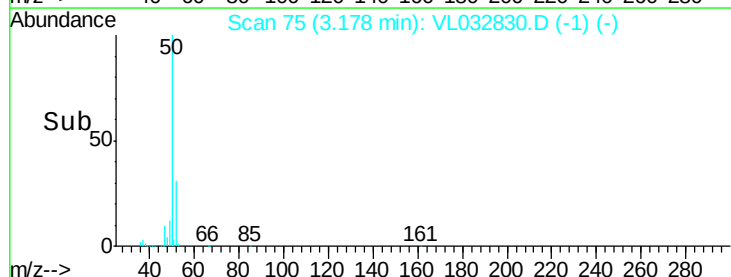
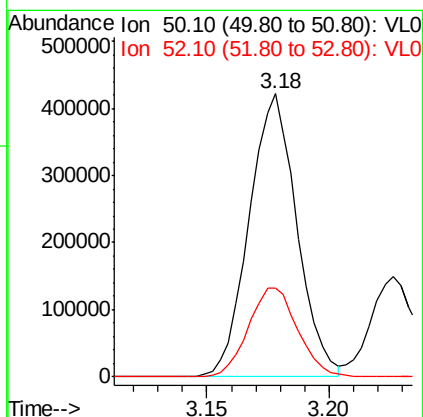
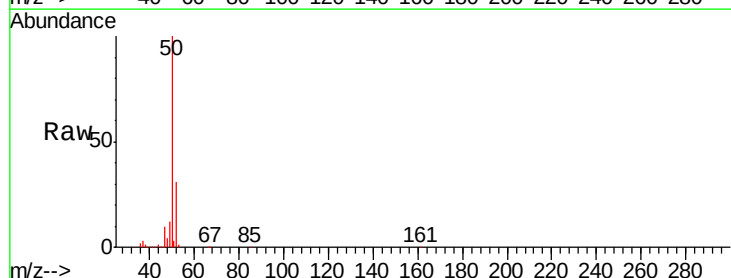
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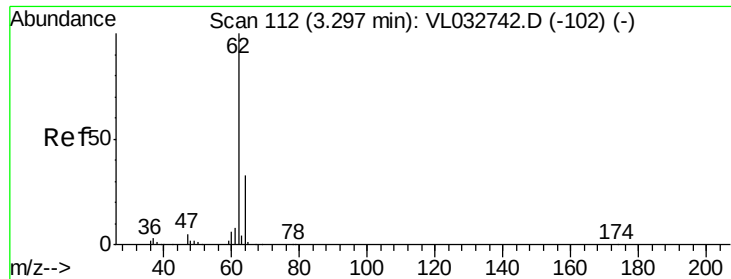
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#4
Chloromethane
Concen: 8.355 ppbv
RT: 3.18 min Scan# 75
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 50 Resp: 567294
Ion Ratio Lower Upper
50 100
52 31.3 26.6 40.0





#5

Vinyl Chloride

Concen: 8.382 ppbv

RT: 3.30 min Scan# 112

Delta R.T. -0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 62 Resp: 603021

Ion Ratio Lower Upper

62 100

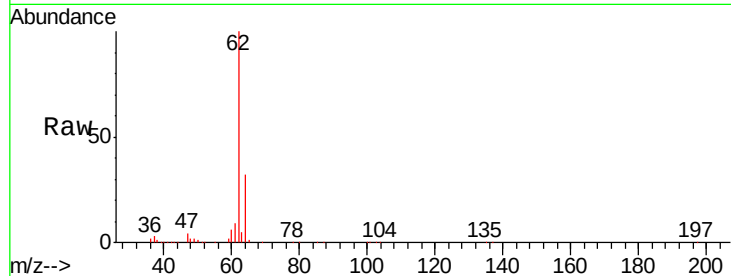
64 32.3 26.2 39.4

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.30

400000

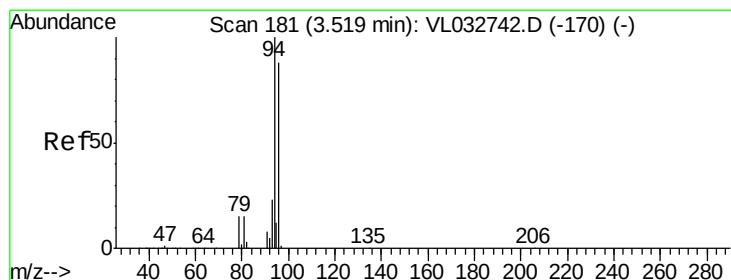
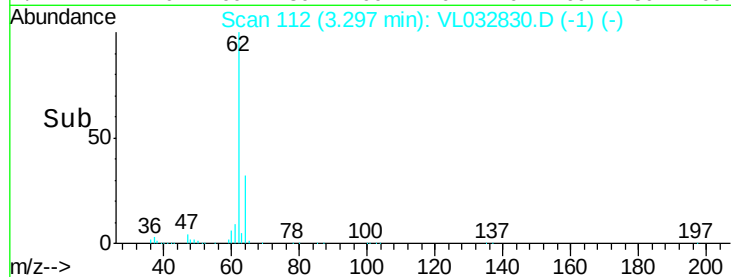
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 12.503 ppbv

RT: 3.52 min Scan# 182

Delta R.T. 0.00 min

Lab File: VL032830.D

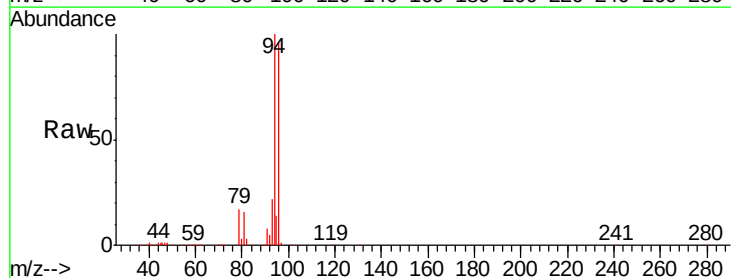
Acq: 29 Nov 2018 9:47

Tgt Ion: 94 Resp: 550308

Ion Ratio Lower Upper

94 100

96 96.1 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.52

400000

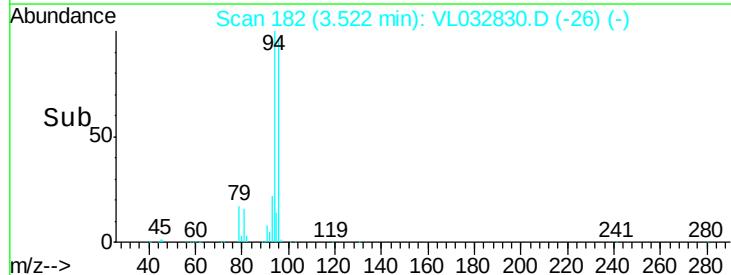
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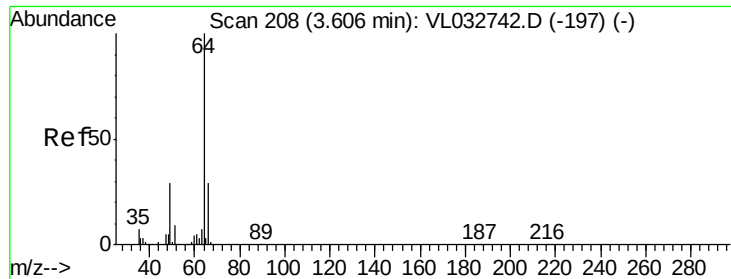
200000

100000

0

Time-->





#7

Chloroethane

Concen: 12.199 ppbv

RT: 3.61 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 64 Resp: 316318

Ion Ratio Lower Upper

64 100

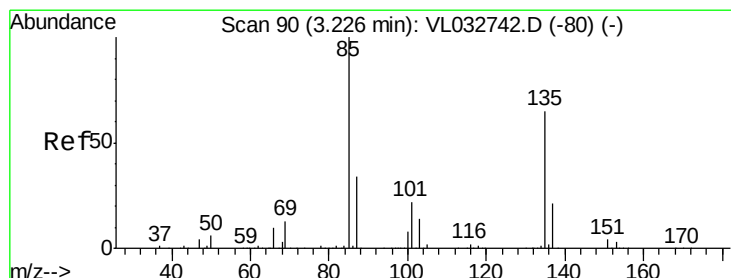
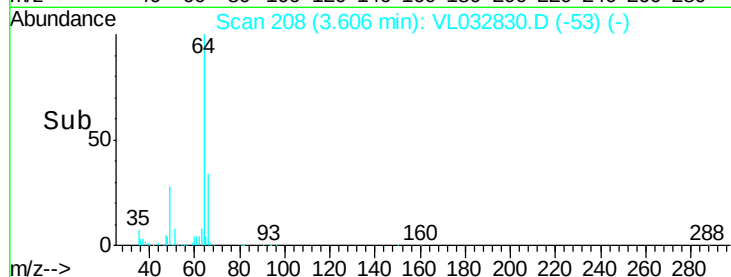
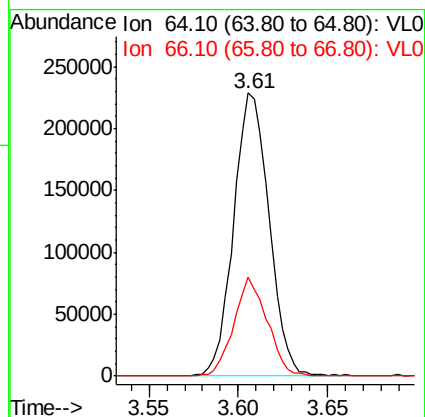
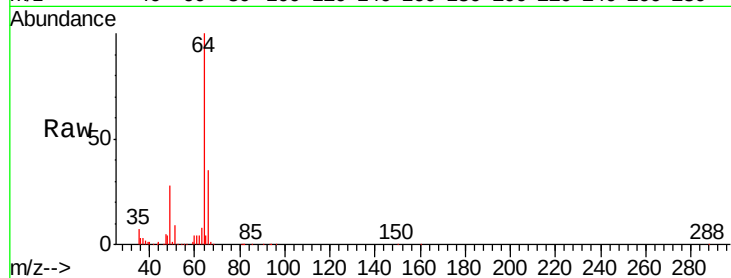
66 34.8 23.2 34.8#

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#8

Dichlorotetrafluoroethane

Concen: 8.687 ppbv

RT: 3.23 min Scan# 90

Delta R.T. -0.00 min

Lab File: VL032830.D

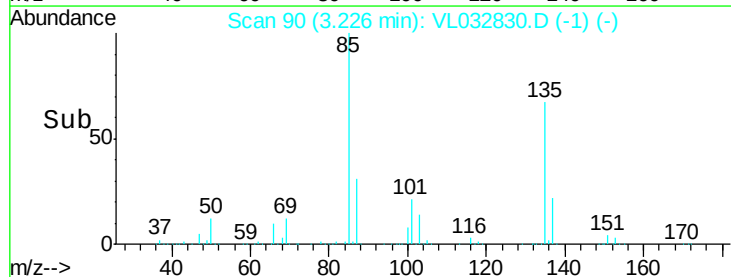
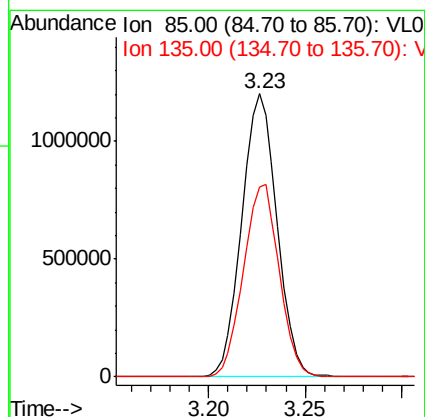
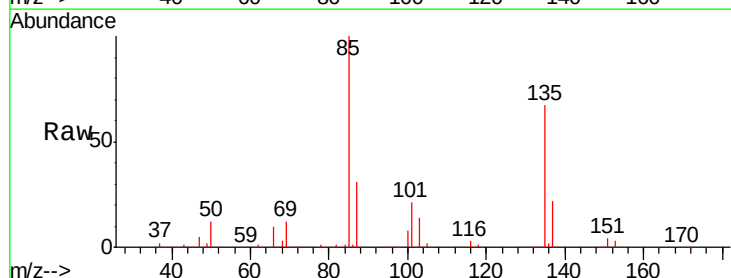
Acq: 29 Nov 2018 9:47

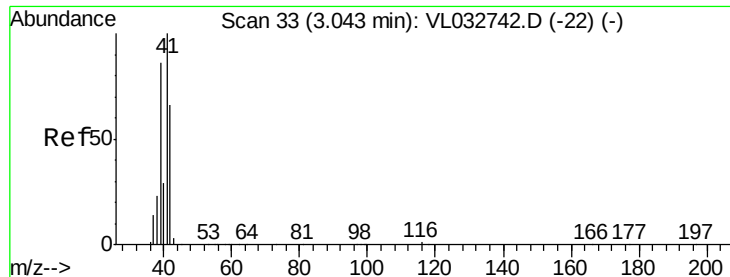
Tgt Ion: 85 Resp: 1519803

Ion Ratio Lower Upper

85 100

135 69.5 53.8 80.8





#9

Propene

Concen: 8.685 ppbv

RT: 3.04 min Scan# 33

Delta R.T. -0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 41 Resp: 425593

Ion Ratio Lower Upper

41 100

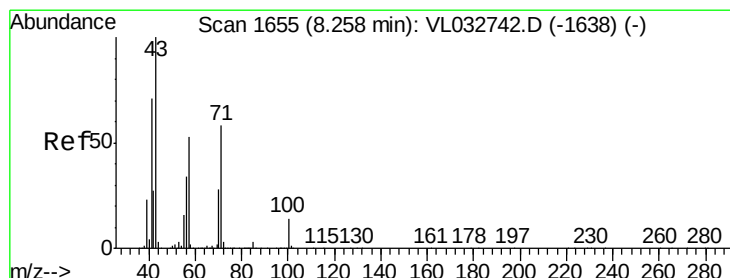
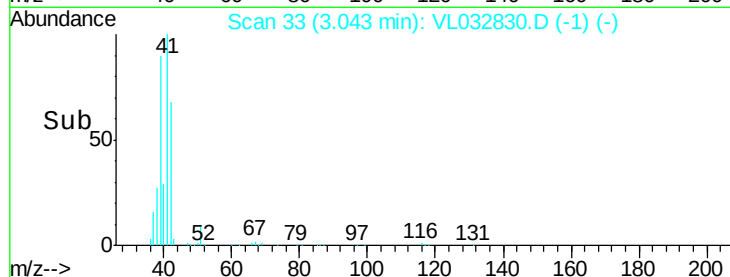
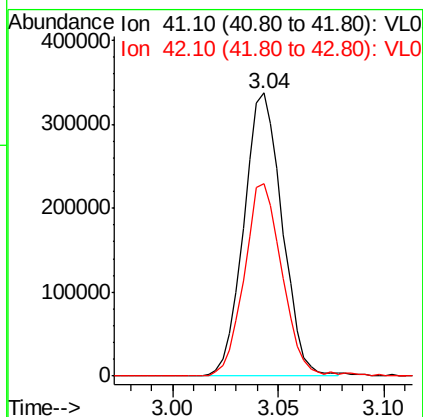
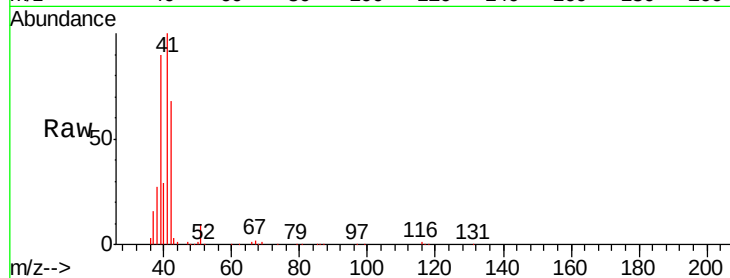
42 67.7 55.0 82.6

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#10

Heptane

Concen: 9.718 ppbv

RT: 8.25 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VL032830.D

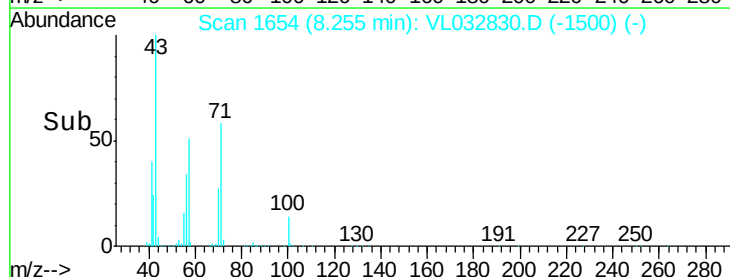
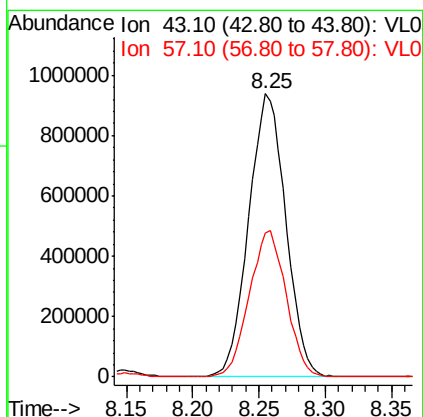
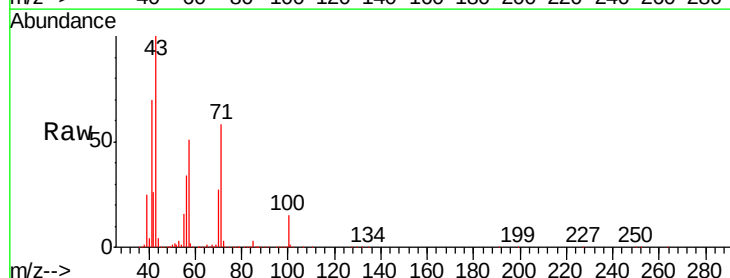
Acq: 29 Nov 2018 9:47

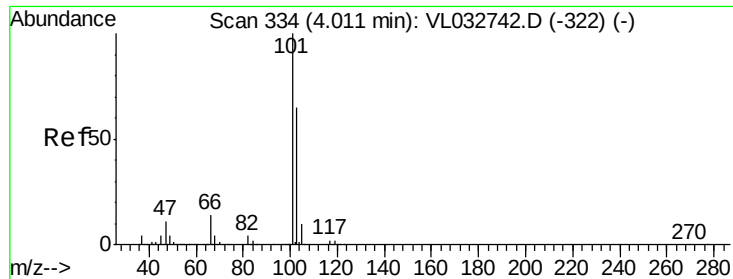
Tgt Ion: 43 Resp: 1818110

Ion Ratio Lower Upper

43 100

57 51.5 41.8 62.8





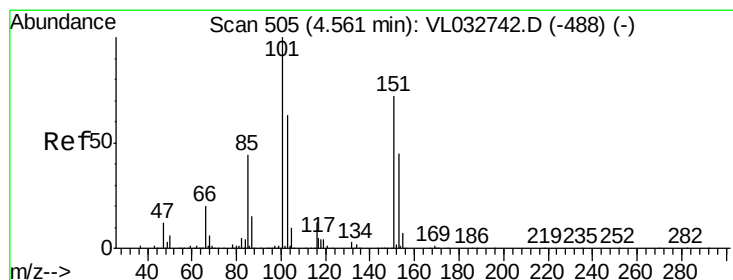
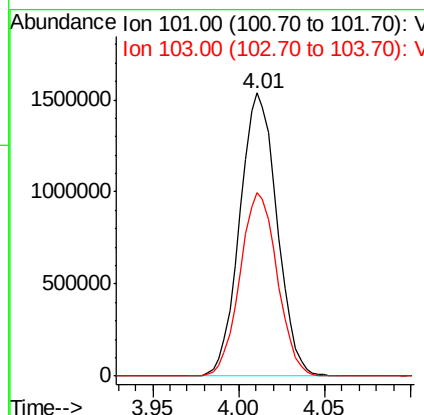
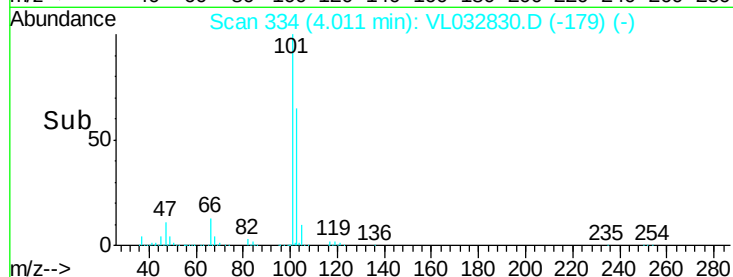
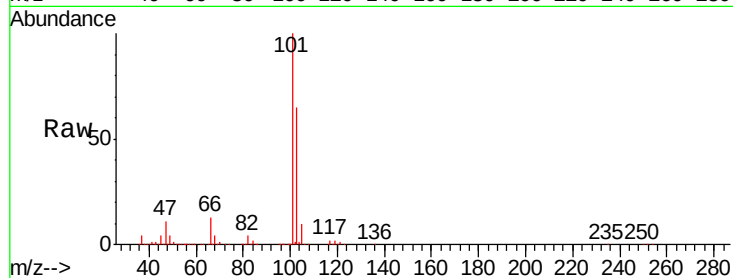
#11
 Trichlorofluoromethane
 Concen: 11.083 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. -0.00 min
 Lab File: VL032830.D
 Acq: 29 Nov 2018 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:101 Resp: 2318820
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.6 77.4

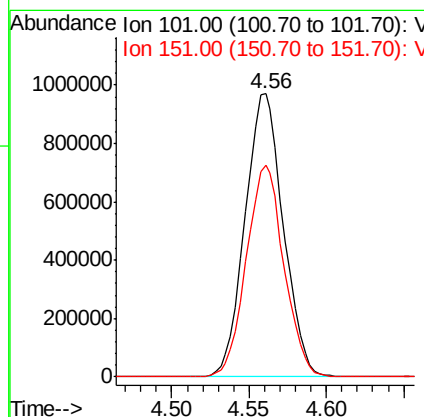
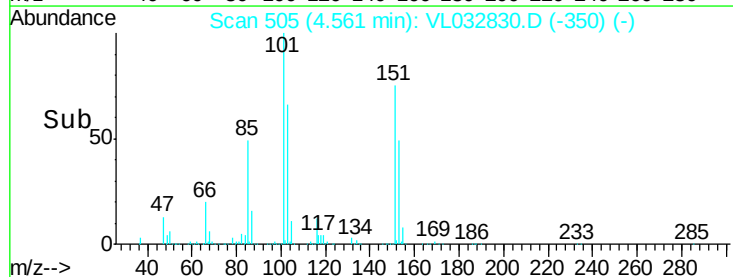
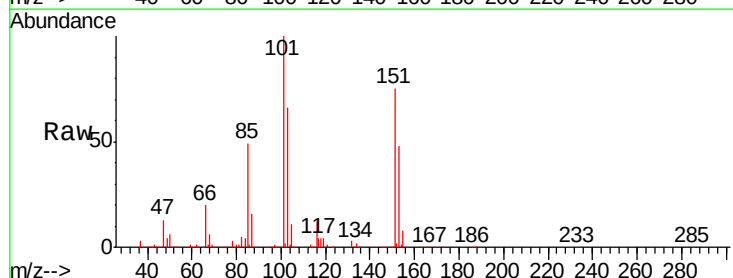
Manual Integrations
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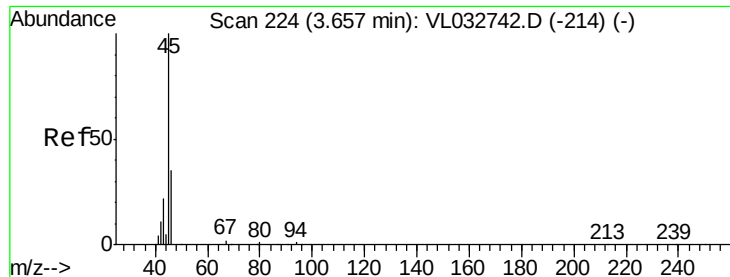
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.787 ppbv
 RT: 4.56 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: VL032830.D
 Acq: 29 Nov 2018 9:47

Tgt Ion:101 Resp: 1672537
 Ion Ratio Lower Upper
 101 100
 151 73.6 56.7 85.1





#13

Ethanol

Concen: 8.934 ppbv

RT: 3.66 min Scan# 224

Delta R.T. -0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 45 Resp: 143388

Ion Ratio Lower Upper

45 100

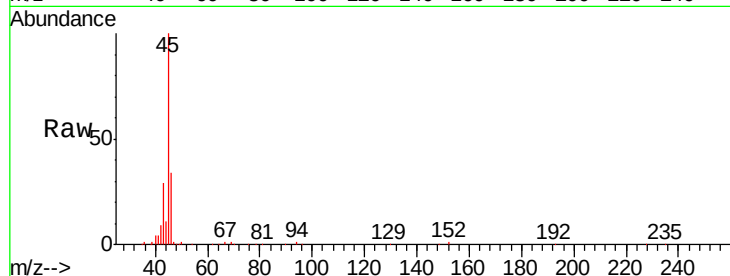
46 36.4 14.5 57.9

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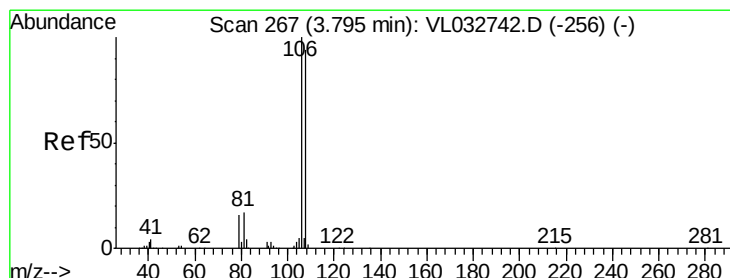
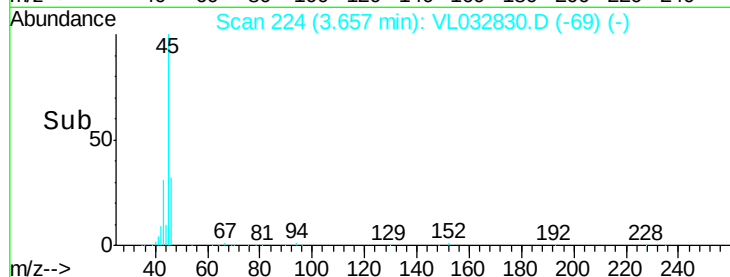
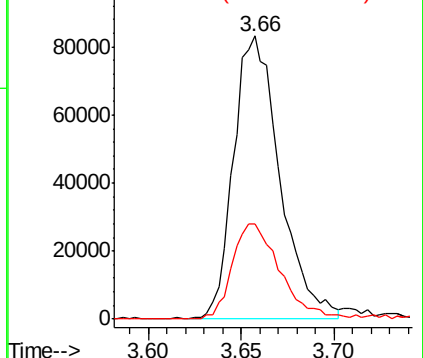
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 12.427 ppbv

RT: 3.80 min Scan# 267

Delta R.T. -0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

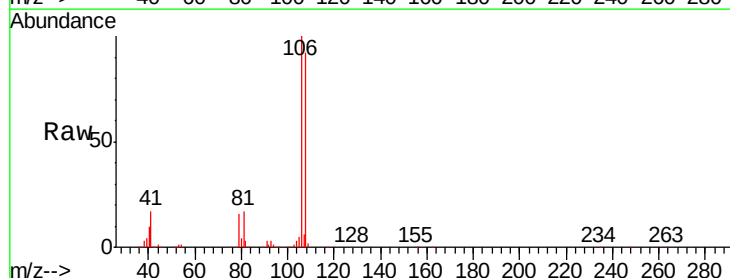
Tgt Ion: 108 Resp: 704572

Ion Ratio Lower Upper

108 100

106 107.6 84.9 127.3

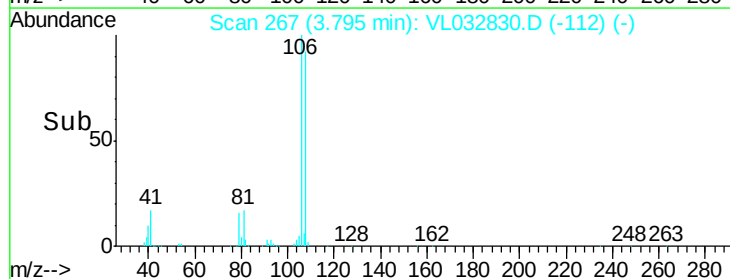
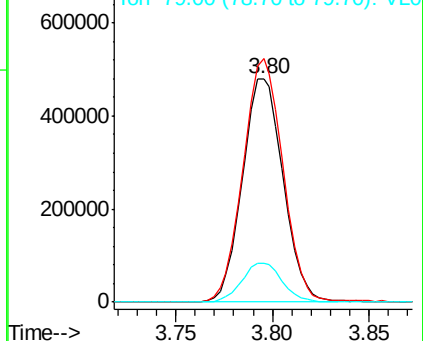
79 17.7 14.2 21.4

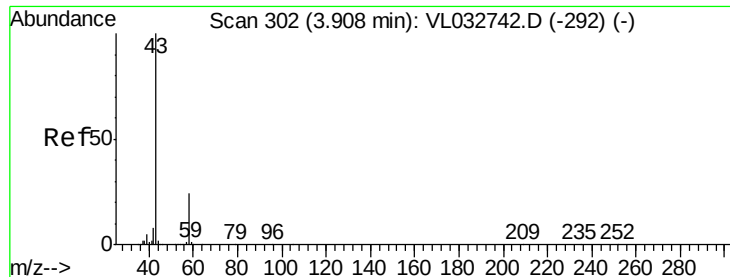


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 10.482 ppbv

RT: 3.91 min Scan# 302

Delta R.T. -0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1478436

Ion Ratio Lower Upper

43 100

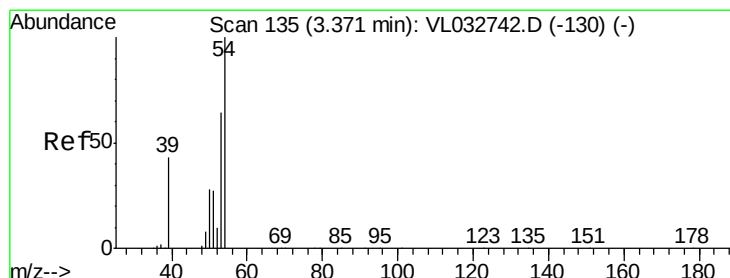
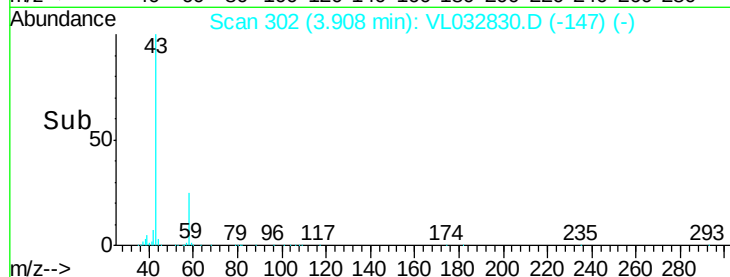
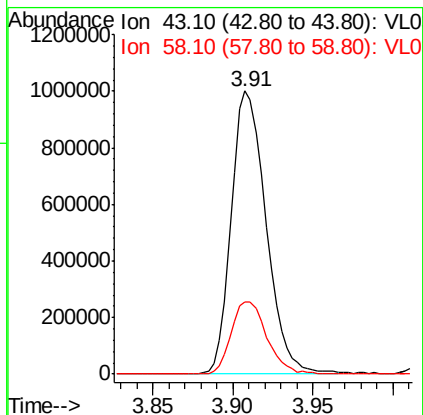
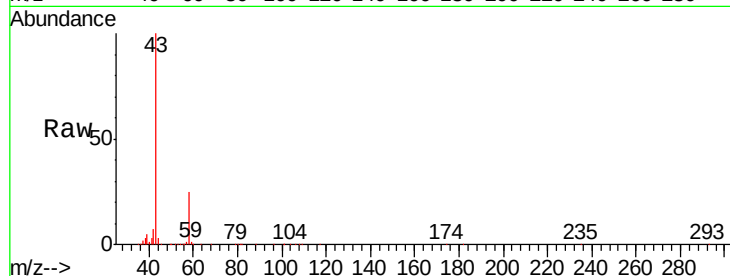
58 26.3 21.1 31.7

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#16

1,3-Butadiene

Concen: 9.017 ppbv

RT: 3.37 min Scan# 135

Delta R.T. -0.00 min

Lab File: VL032830.D

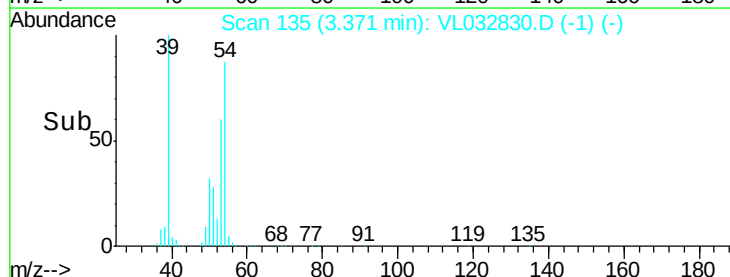
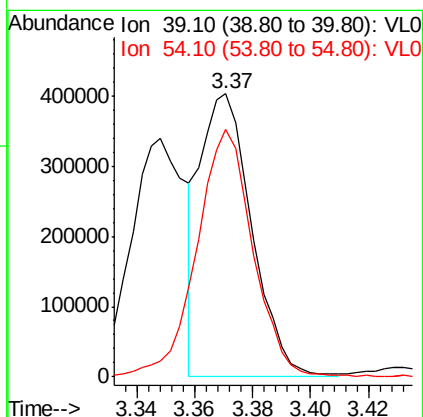
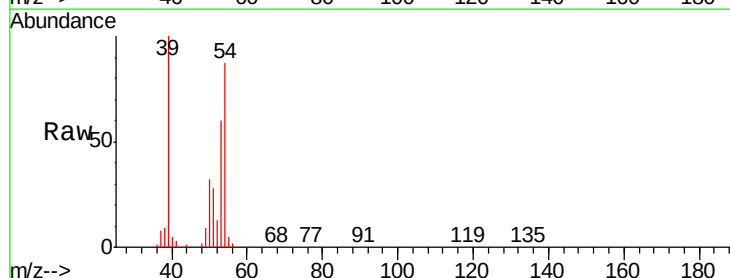
Acq: 29 Nov 2018 9:47

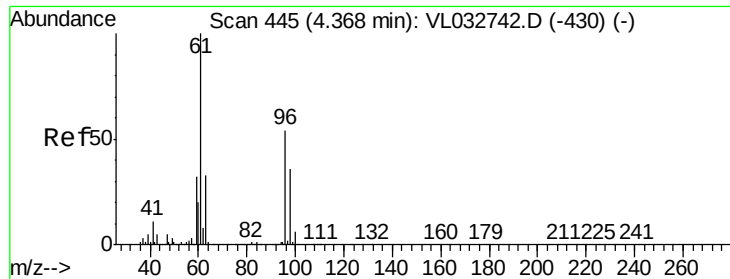
Tgt Ion: 39 Resp: 492521

Ion Ratio Lower Upper

39 100

54 96.9 68.9 103.3





#17

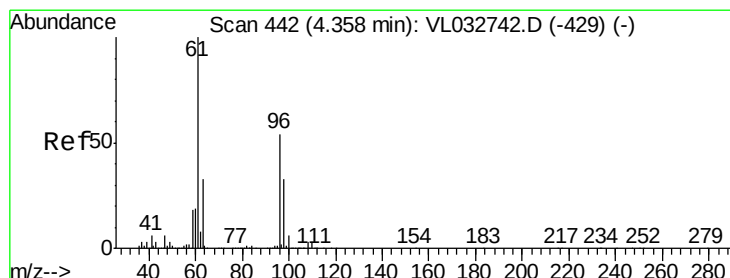
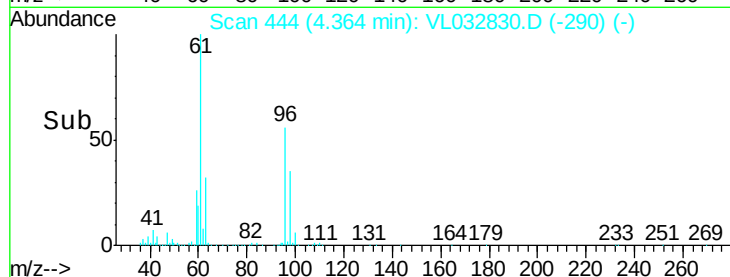
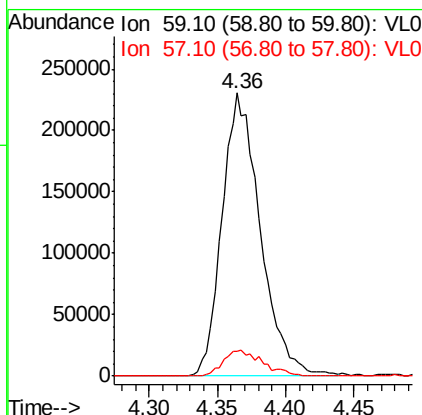
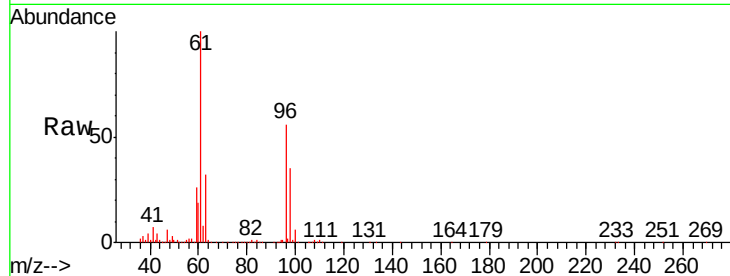
tert-Butyl alcohol
Concen: 10.098 ppbv
RT: 4.36 min Scan# 444
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 446716
Ion Ratio Lower Upper
59 100
57 9.8 7.8 11.8

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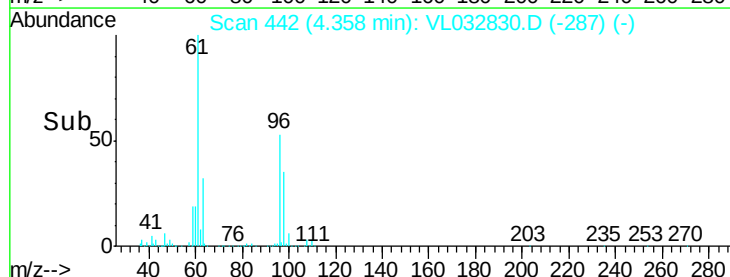
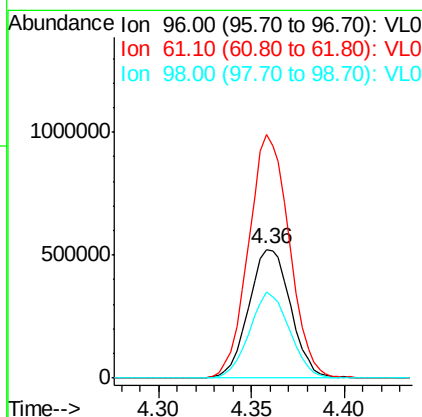
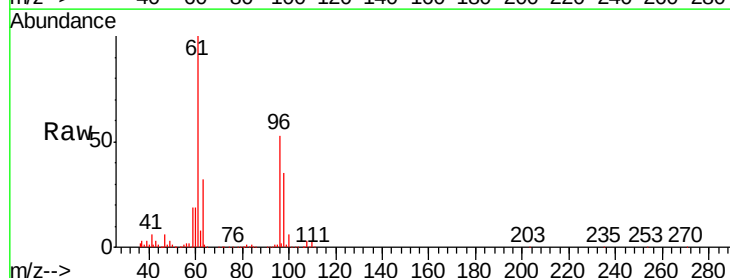
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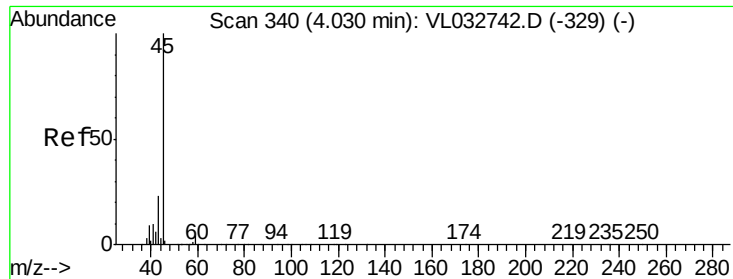


#18

1,1-Dichloroethene
Concen: 9.732 ppbv
RT: 4.36 min Scan# 442
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 96 Resp: 817853
Ion Ratio Lower Upper
96 100
61 189.2 148.5 222.7
98 66.9 48.6 72.8





#19

Isopropyl Alcohol

Concen: 10.706 ppbv

RT: 4.03 min Scan# 340

Delta R.T. -0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 45 Resp: 1005924

Ion Ratio Lower Upper

45 100

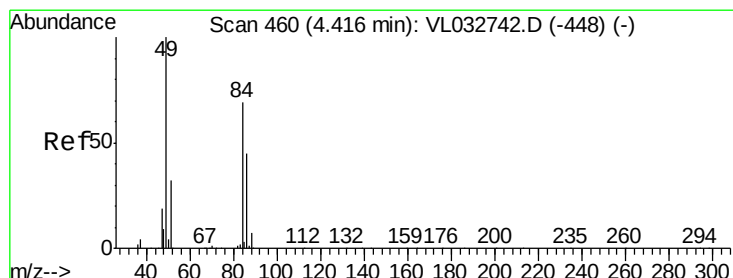
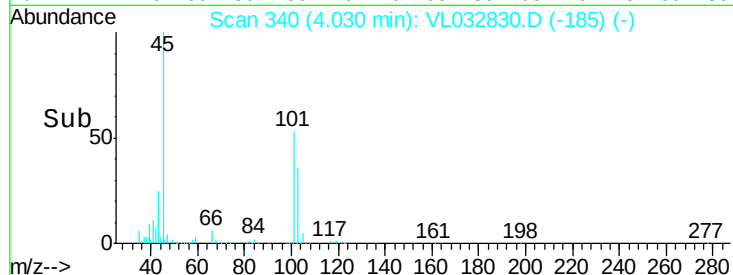
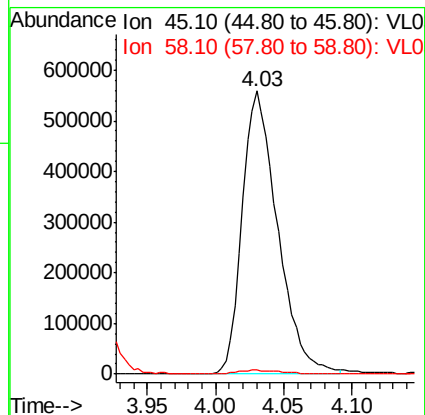
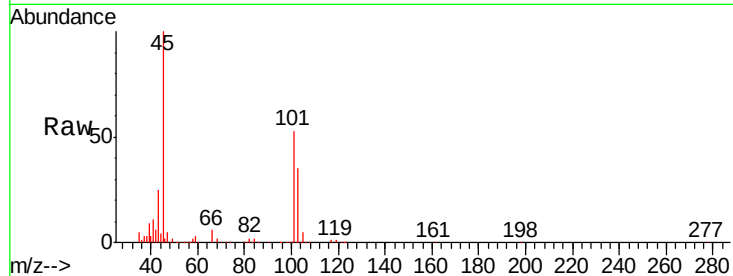
58 2.1 1.4 2.0#

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#20

Methylene Chloride

Concen: 9.423 ppbv

RT: 4.42 min Scan# 460

Delta R.T. -0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

Tgt Ion: 84 Resp: 688101

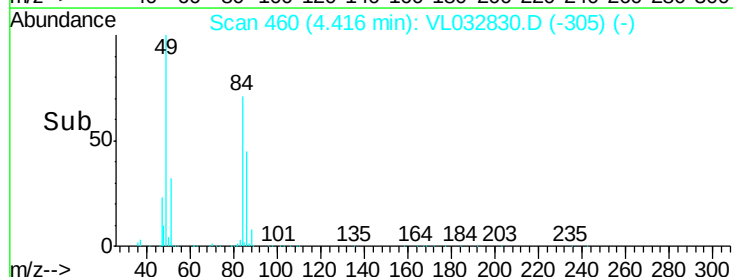
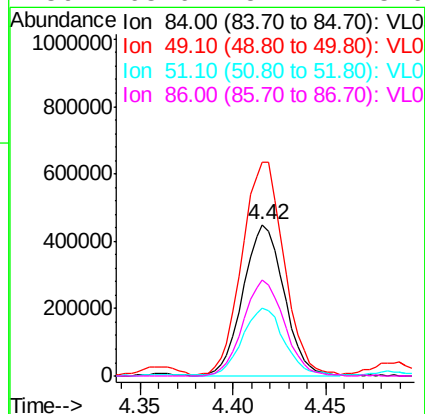
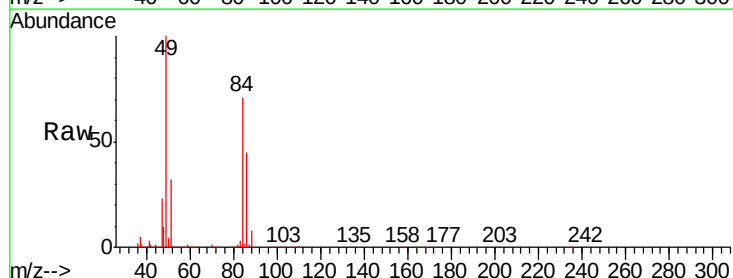
Ion Ratio Lower Upper

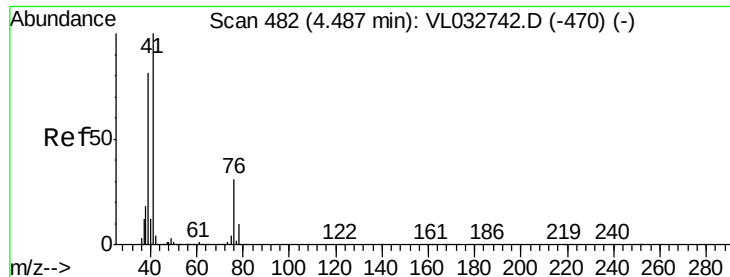
84 100

49 139.9 115.8 173.6

51 44.0 36.9 55.3

86 63.6 52.4 78.6





#21

Allyl Chloride

Concen: 10.146 ppbv

RT: 4.49 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

Instrument :

MSVOA_L

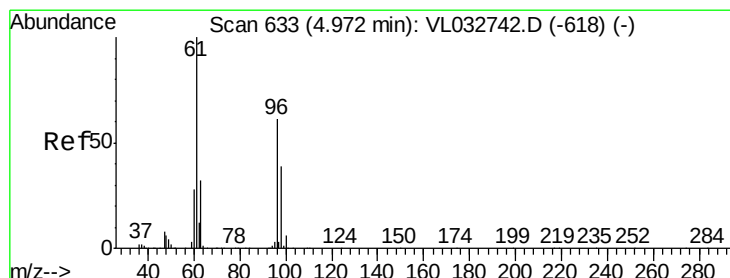
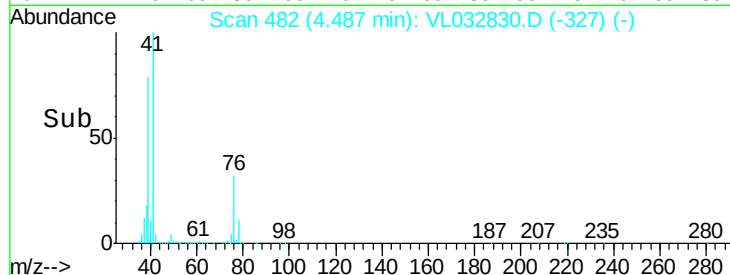
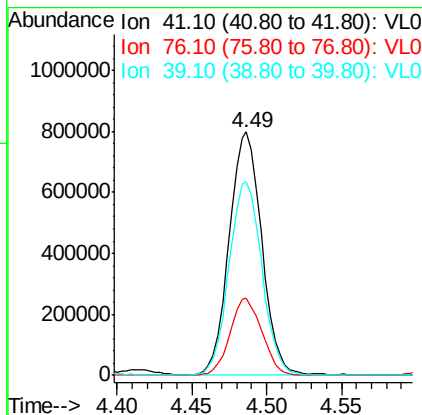
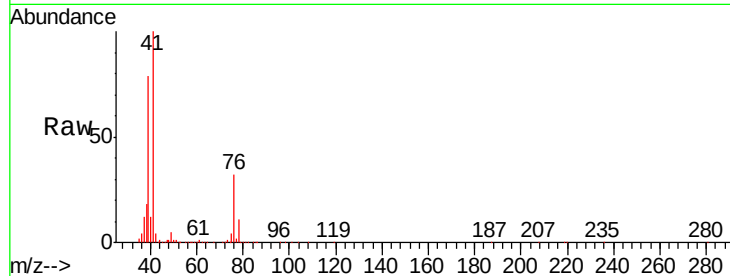
ClientSampled :

VSTDCCC010

Tgt Ion:	41	Resp:	1202659
Ion	Ratio	Lower	Upper
41	100		
76	31.2	24.4	36.6
39	80.9	63.5	95.3

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#22

trans-1,2-Dichloroethene

Concen: 9.827 ppbv

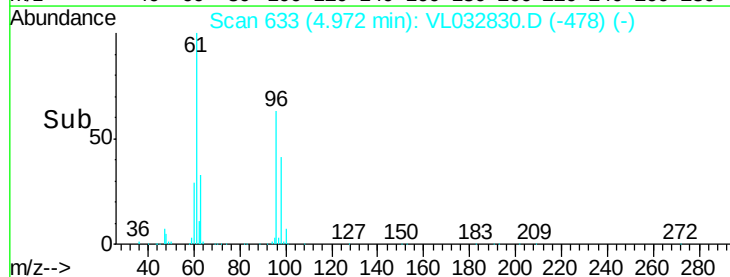
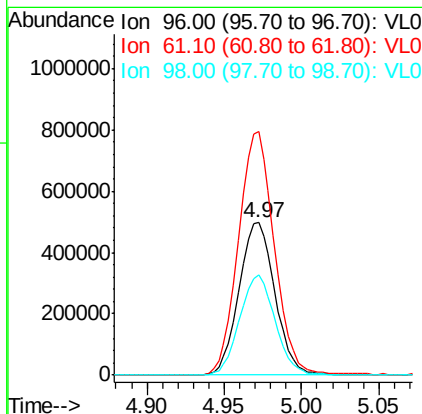
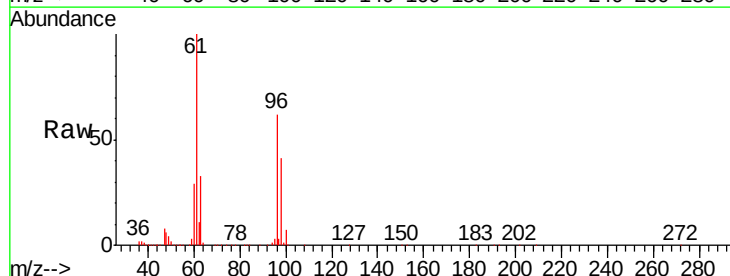
RT: 4.97 min Scan# 633

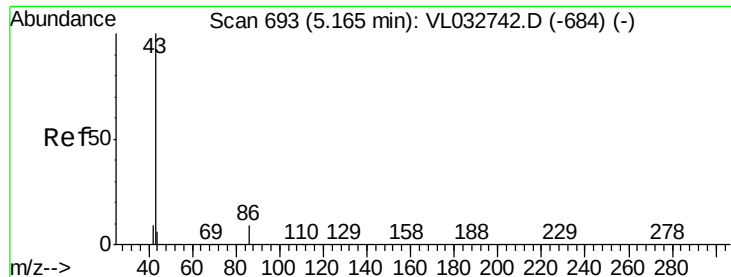
Delta R.T. -0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

Tgt Ion:	96	Resp:	806417
Ion	Ratio	Lower	Upper
96	100		
61	160.0	130.2	195.2
98	65.6	50.2	75.2





#23
 Vinyl Acetate
 Concen: 9.453 ppbv
 RT: 5.16 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: VL032830.D
 Acq: 29 Nov 2018 9:47

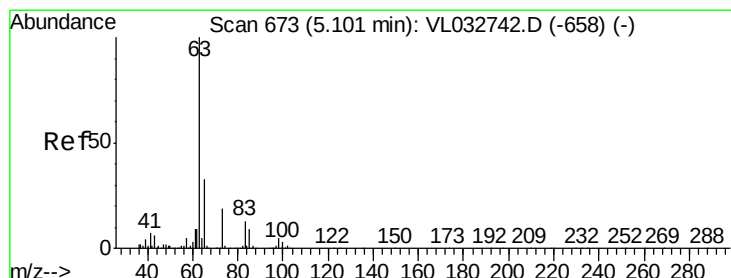
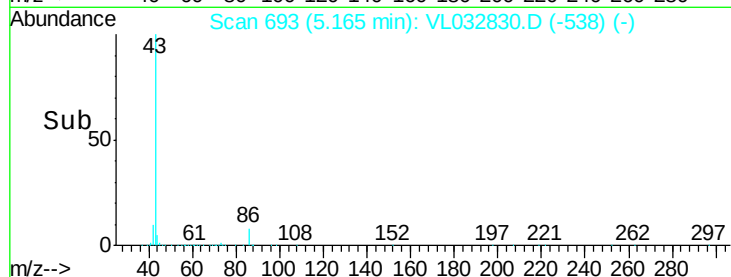
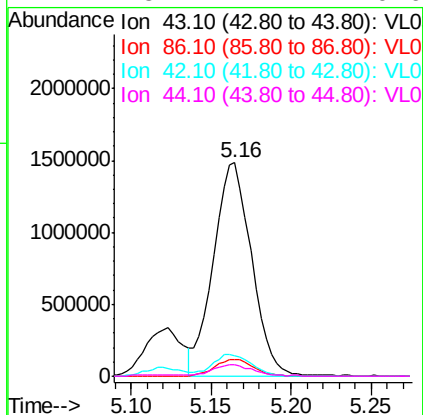
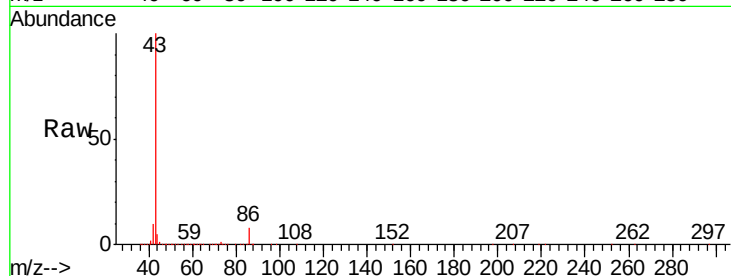
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 2430601

Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.2	9.4
42	9.5	7.8	11.6
44	5.2	4.4	6.6

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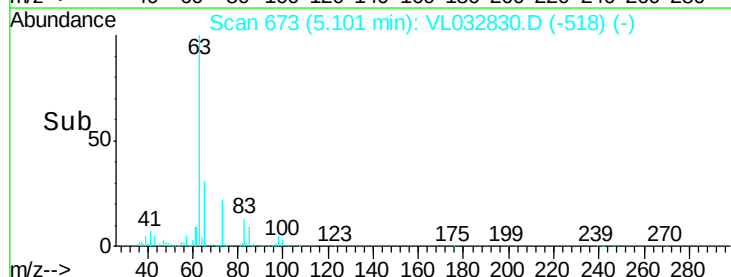
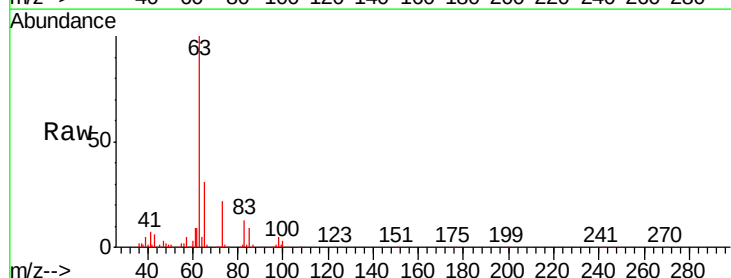
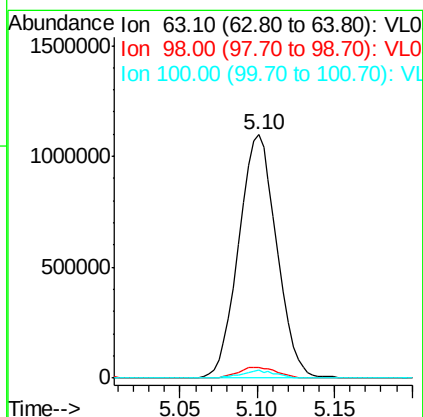
apatel
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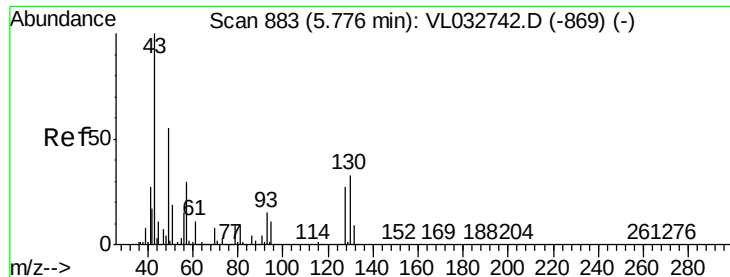


#24
 1,1-Dichloroethane
 Concen: 9.131 ppbv
 RT: 5.10 min Scan# 673
 Delta R.T. -0.00 min
 Lab File: VL032830.D
 Acq: 29 Nov 2018 9:47

Tgt Ion: 63 Resp: 1866507

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.3	6.8
100	3.3	1.4	4.2





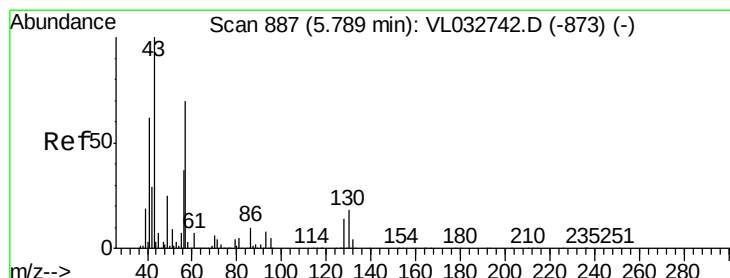
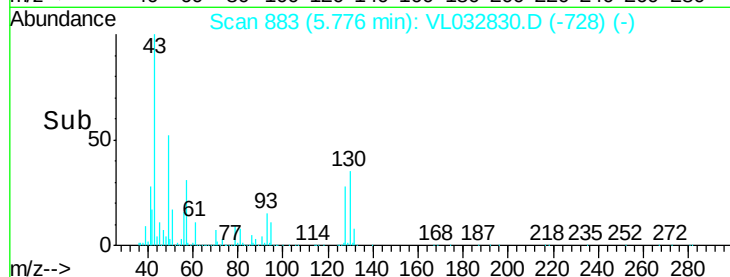
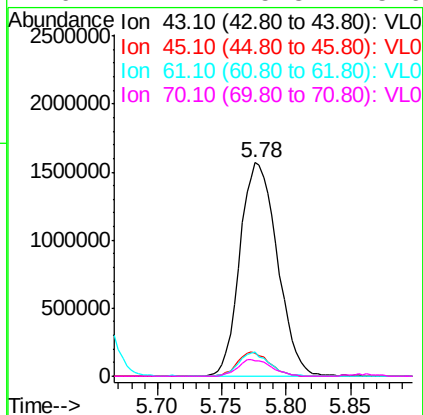
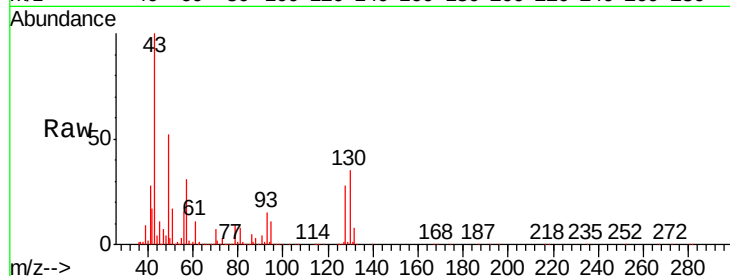
#25
Ethyl Acetate
Concen: 9.617 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.4	7.8	11.6
70	7.2	5.8	8.6

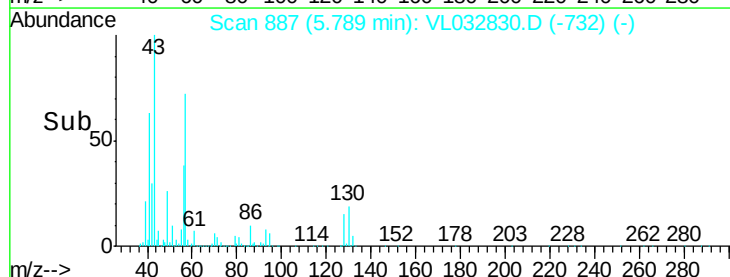
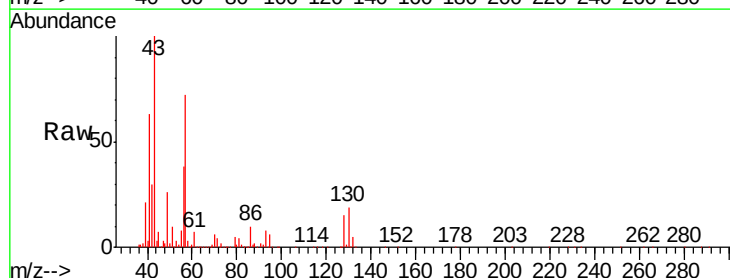
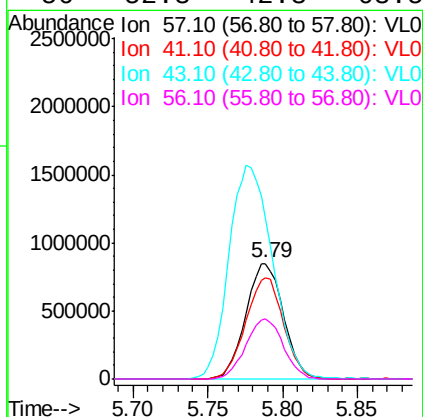
Manual Integrations
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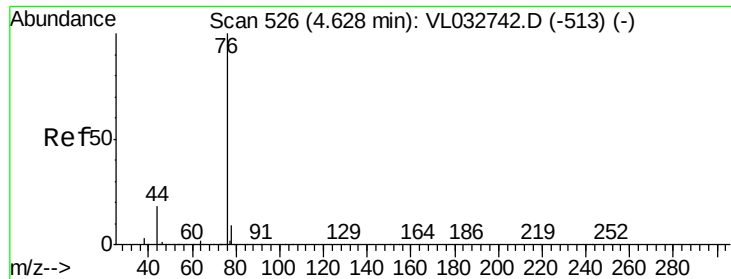
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#26
Hexane
Concen: 10.121 ppbv
RT: 5.79 min Scan# 887
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion	Ratio	Lower	Upper
57	100		
41	88.7	70.3	105.5
43	214.6	174.0	261.0
56	52.3	42.3	63.5





#27

Carbon Disulfide

Concen: 10.924 ppbv

RT: 4.63 min Scan# 526

Delta R.T. -0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 76 Resp: 2027063

Ion Ratio Lower Upper

76 100

44 18.1 14.4 21.6

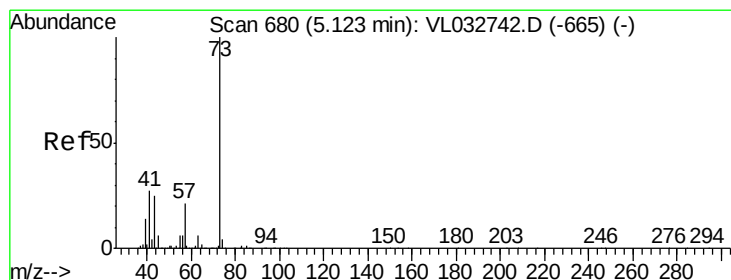
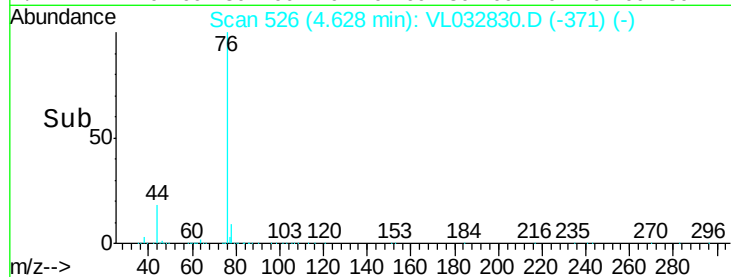
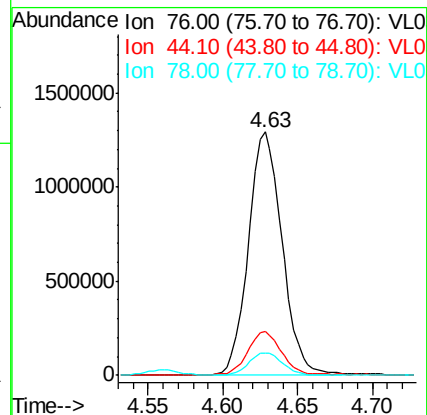
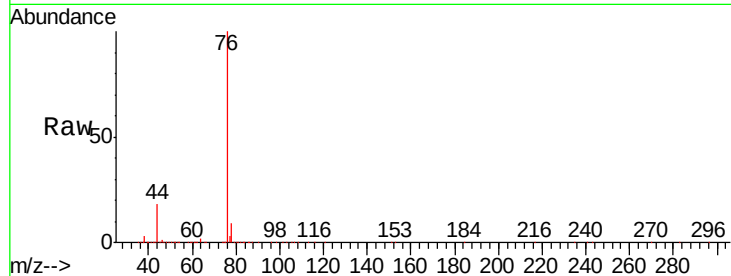
78 9.4 7.7 11.5

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 9.897 ppbv

RT: 5.12 min Scan# 679

Delta R.T. -0.00 min

Lab File: VL032830.D

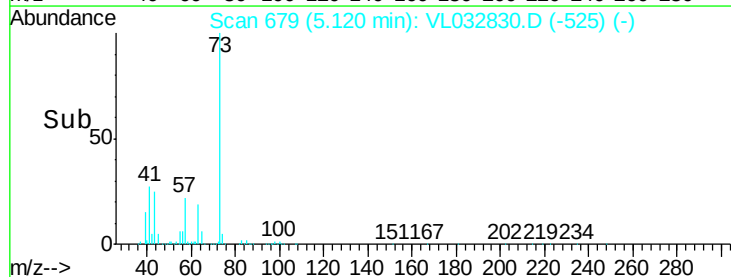
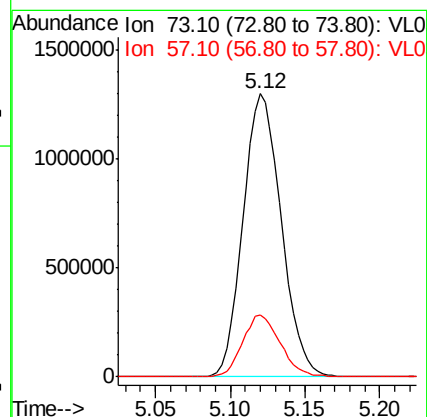
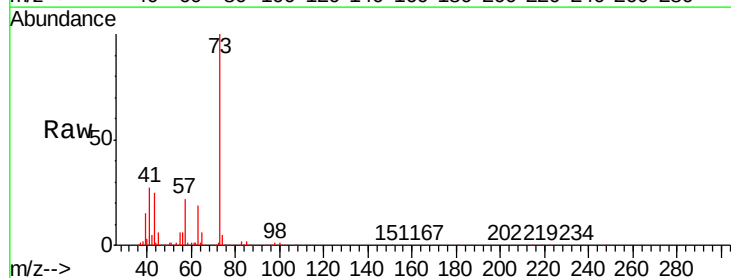
Acq: 29 Nov 2018 9:47

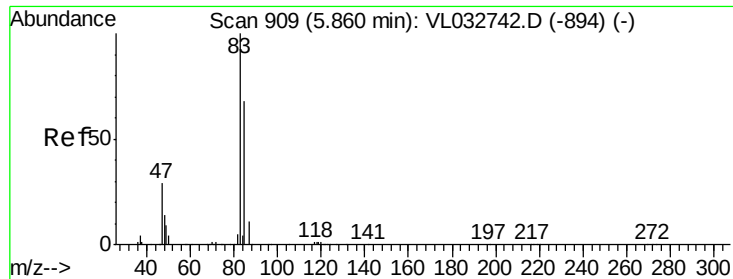
Tgt Ion: 73 Resp: 2309650

Ion Ratio Lower Upper

73 100

57 21.7 17.5 26.3





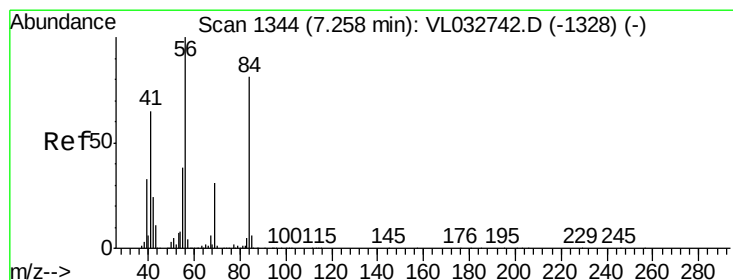
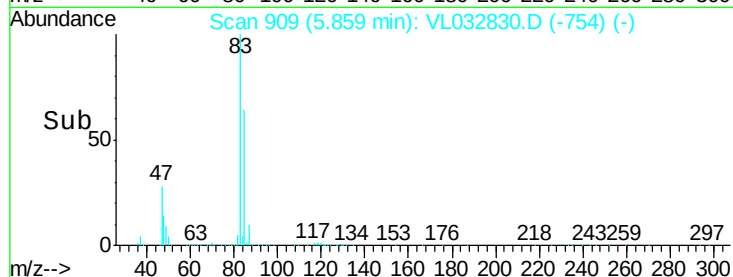
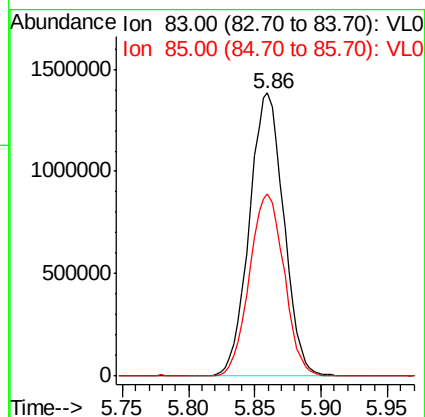
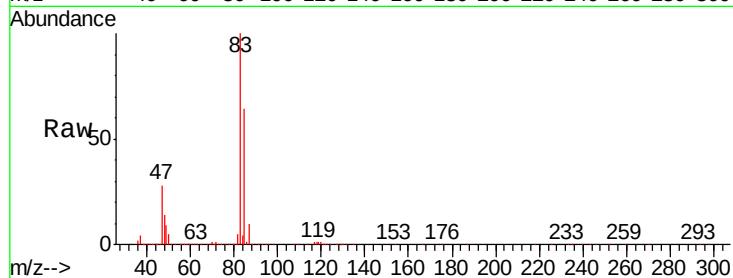
#29
Chloroform
Concen: 9.597 ppbv
RT: 5.86 min Scan# 909
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2503127
Ion Ratio Lower Upper
83 100
85 64.1 54.2 81.4

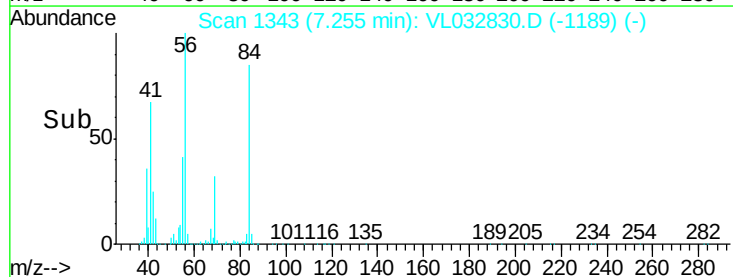
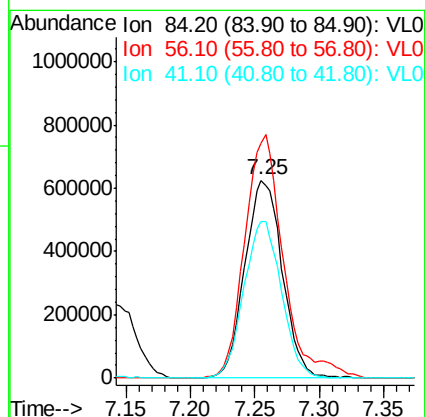
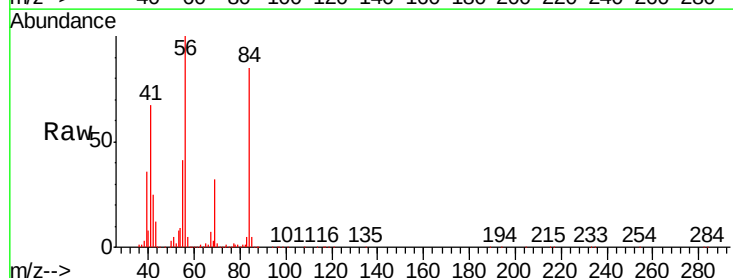
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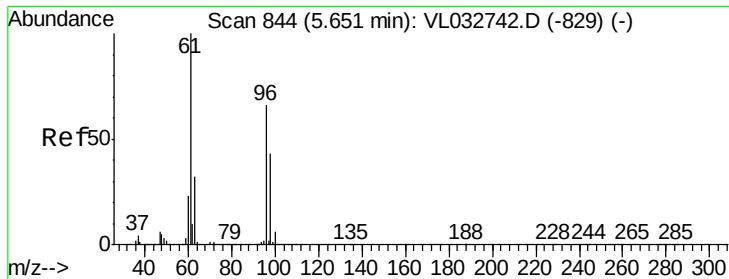
apatel
12/4/2018 8:38:21 AM



#30
Cyclohexane
Concen: 9.900 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 84 Resp: 1267107
Ion Ratio Lower Upper
84 100
56 127.3 105.0 157.4
41 79.4 65.3 97.9





#31

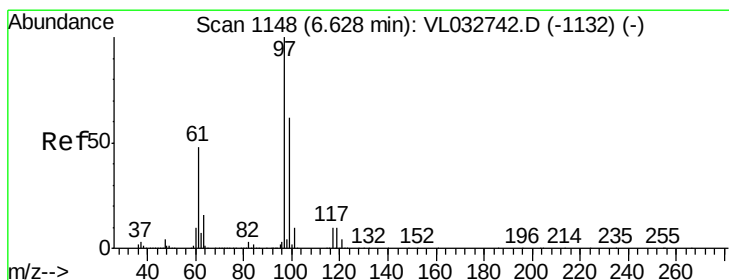
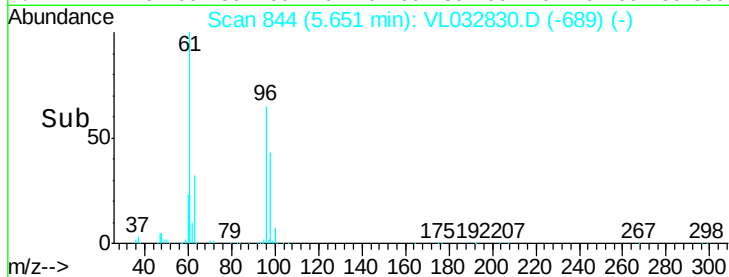
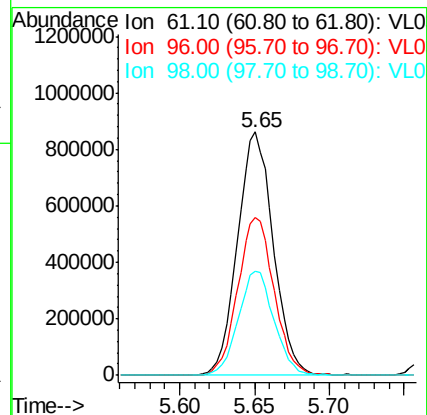
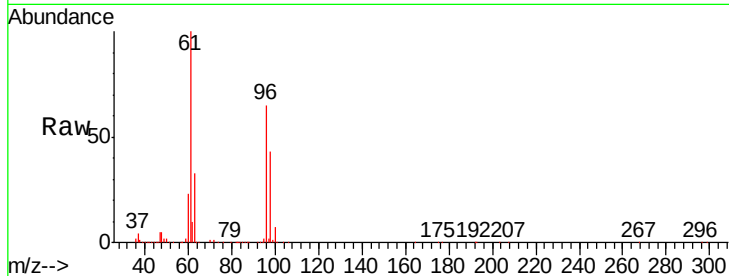
cis-1,2-Dichloroethene
 Concen: 9.759 ppbv
 RT: 5.65 min Scan# 844
 Delta R.T. -0.00 min
 Lab File: VL032830.D
 Acq: 29 Nov 2018 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
61	100		
96	64.9	53.2	79.8
98	42.8	34.4	51.6

Manual Integrations
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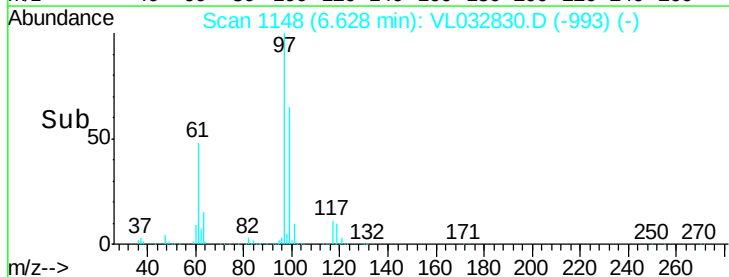
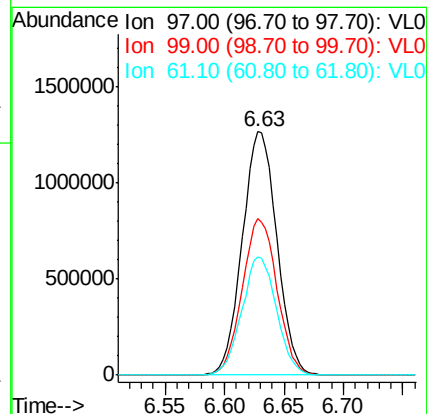
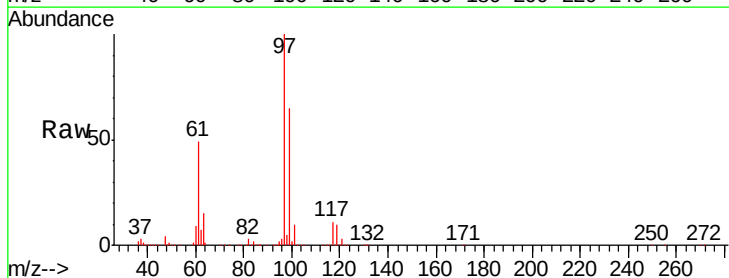
apatel
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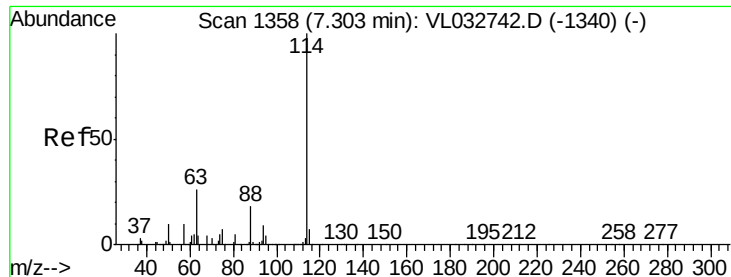


#32

1,1,1-Trichloroethane
 Concen: 8.936 ppbv
 RT: 6.63 min Scan# 1148
 Delta R.T. -0.00 min
 Lab File: VL032830.D
 Acq: 29 Nov 2018 9:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	48.8	39.7	59.5





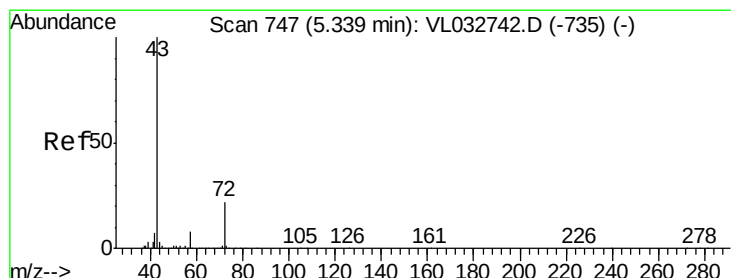
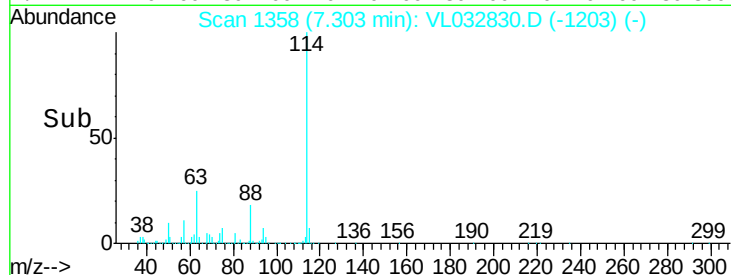
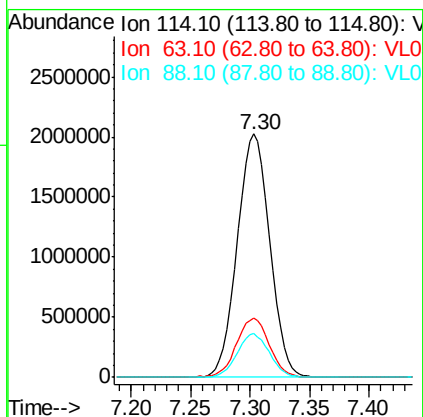
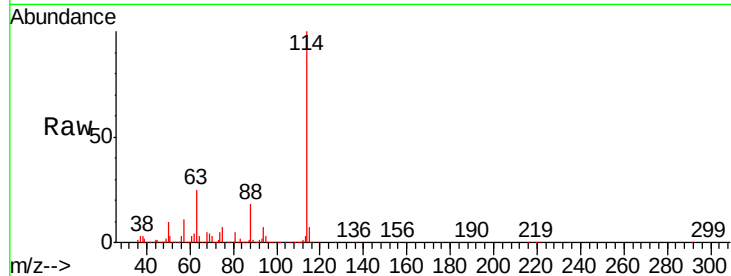
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VL032830.D
 Acq: 29 Nov 2018 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 114 Resp: 3837075
 Ion Ratio Lower Upper
 114 100
 63 24.9 20.9 31.3
 88 17.8 14.4 21.6

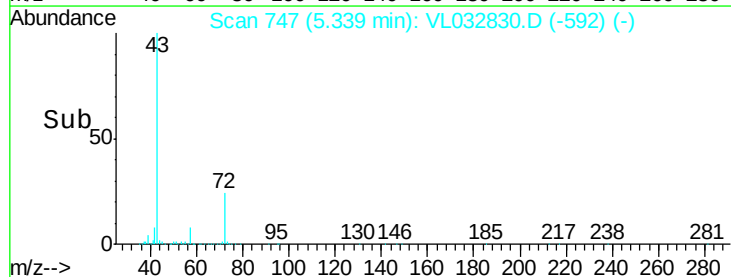
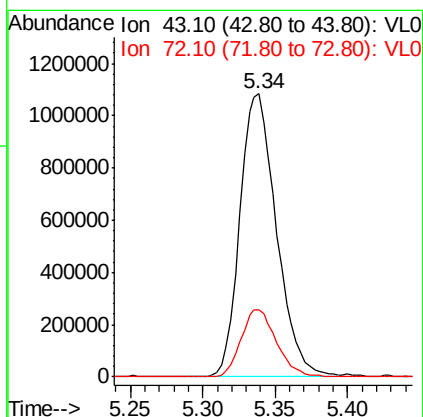
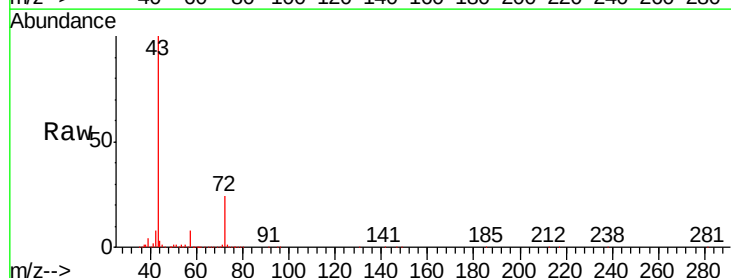
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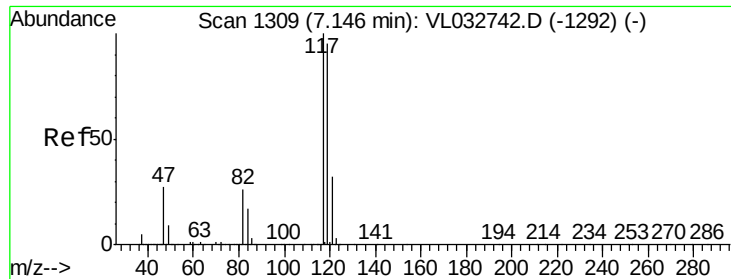
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#34
 2-Butanone
 Concen: 9.498 ppbv
 RT: 5.34 min Scan# 747
 Delta R.T. -0.00 min
 Lab File: VL032830.D
 Acq: 29 Nov 2018 9:47

Tgt Ion: 43 Resp: 1890323
 Ion Ratio Lower Upper
 43 100
 72 23.4 18.4 27.6





#35

Carbon Tetrachloride

Concen: 9.000 ppbv

RT: 7.14 min Scan# 1308

Delta R.T. -0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 117 Resp: 2776146

Ion Ratio Lower Upper

117 100

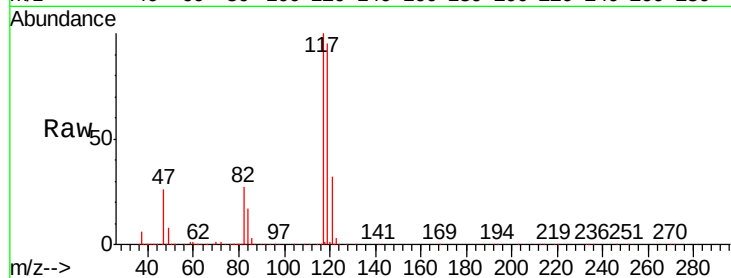
119 95.4 76.1 114.1

121 31.6 25.4 38.0

Manual Integrations
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apatel

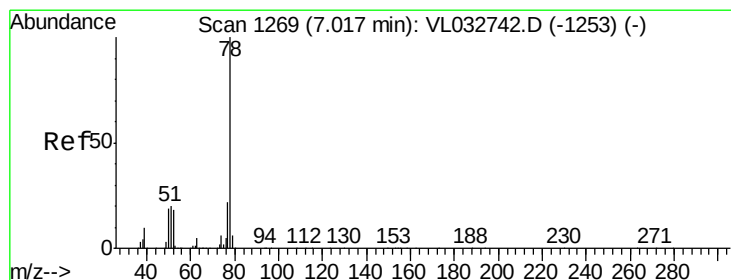
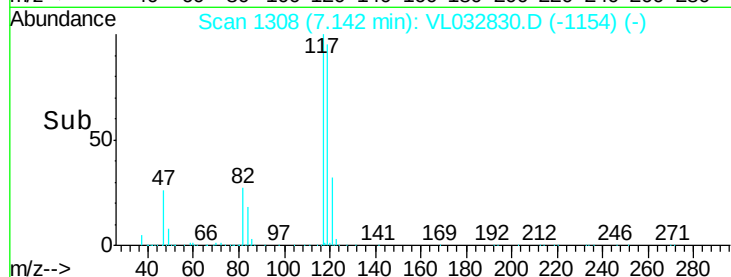
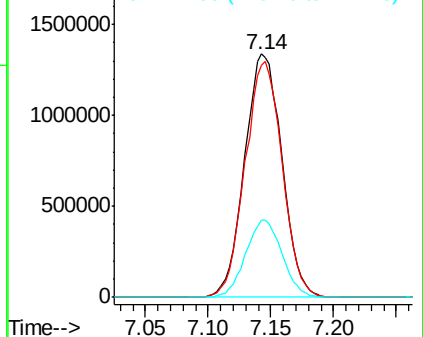
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.589 ppbv

RT: 7.02 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

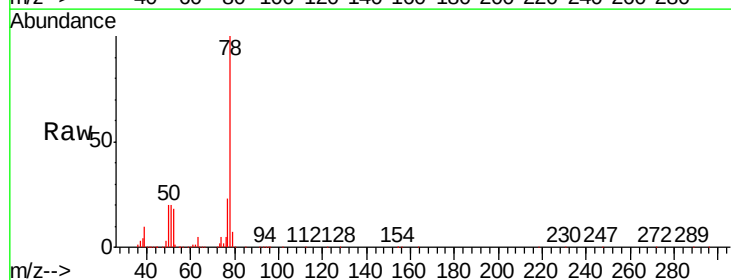
Tgt Ion: 78 Resp: 2929840

Ion Ratio Lower Upper

78 100

77 22.8 17.8 26.8

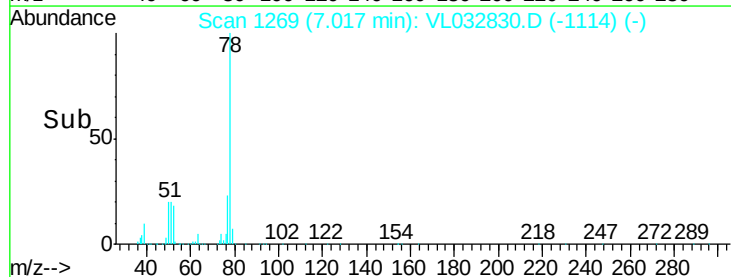
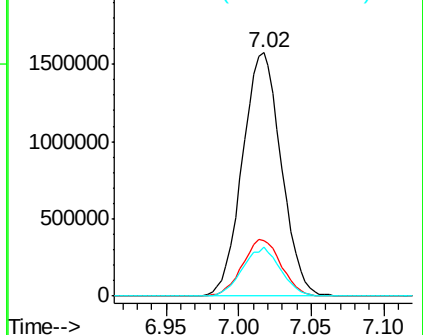
50 19.9 15.4 23.0

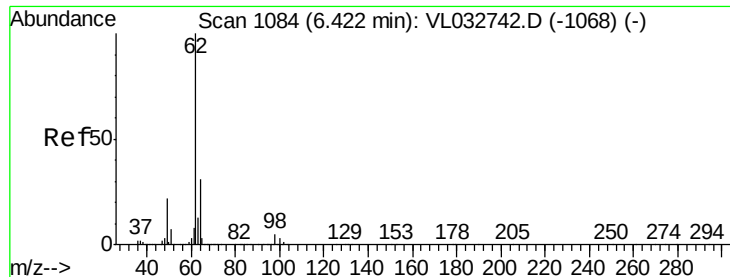


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





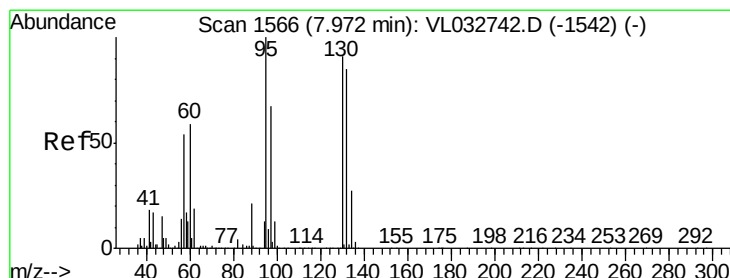
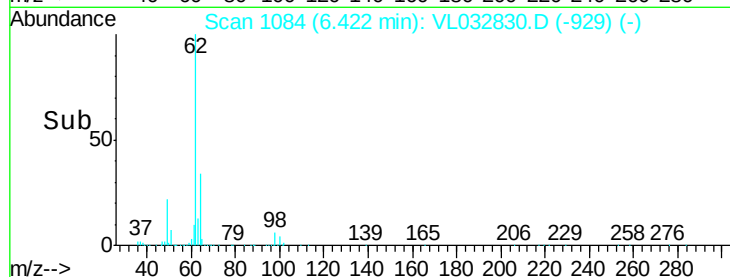
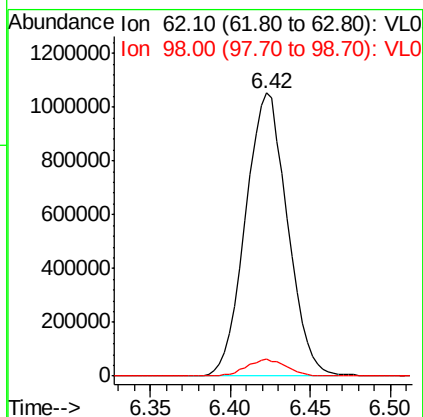
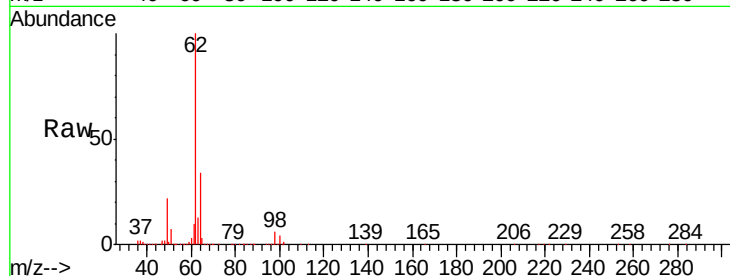
#37
 1,2-Dichloroethane
 Concen: 9.158 ppbv
 RT: 6.42 min Scan# 1084
 Delta R.T. -0.00 min
 Lab File: VL032830.D
 Acq: 29 Nov 2018 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 62 Resp: 1883611
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.5 6.7

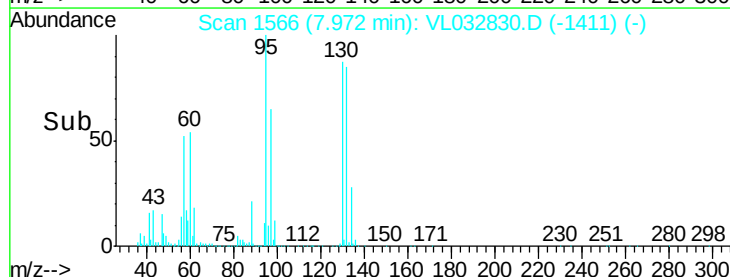
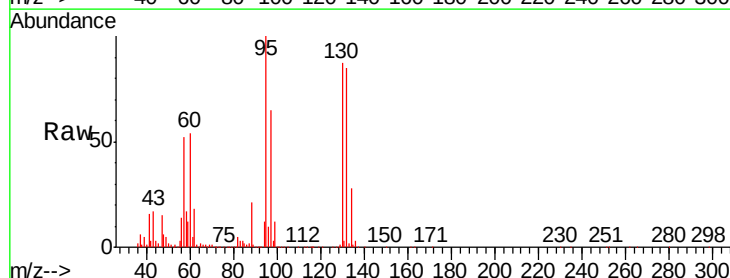
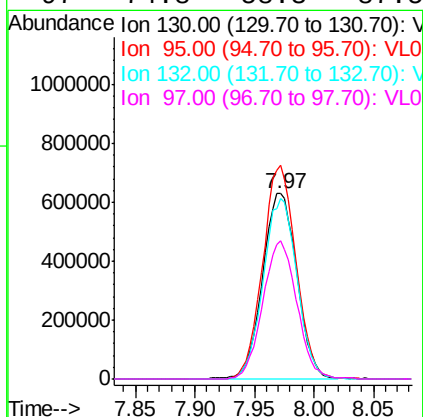
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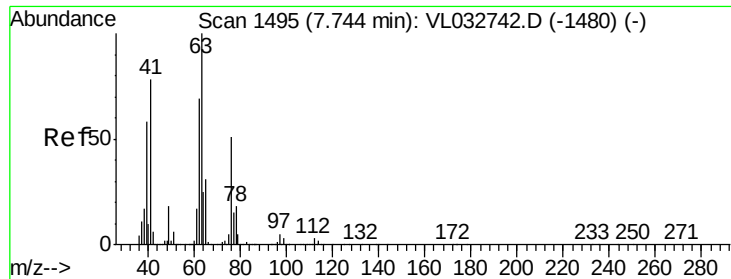
apatel
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#38
 Trichloroethene
 Concen: 10.177 ppbv
 RT: 7.97 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VL032830.D
 Acq: 29 Nov 2018 9:47

Tgt Ion: 130 Resp: 1258422
 Ion Ratio Lower Upper
 130 100
 95 115.3 87.7 131.5
 132 97.5 74.6 111.8
 97 74.8 58.3 87.5





#39

1,2-Dichloropropane

Concen: 9.460 ppbv

RT: 7.75 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 63 Resp: 1101335

Ion Ratio Lower Upper

63 100

41 79.6 62.0 93.0

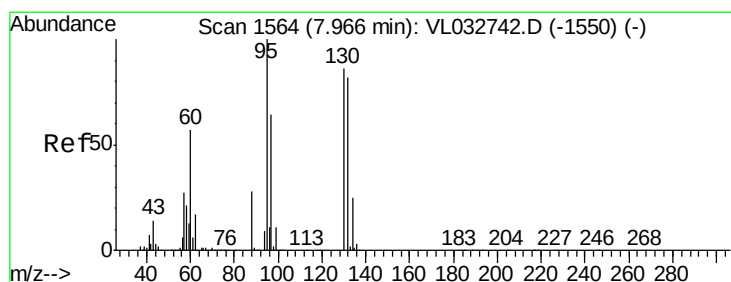
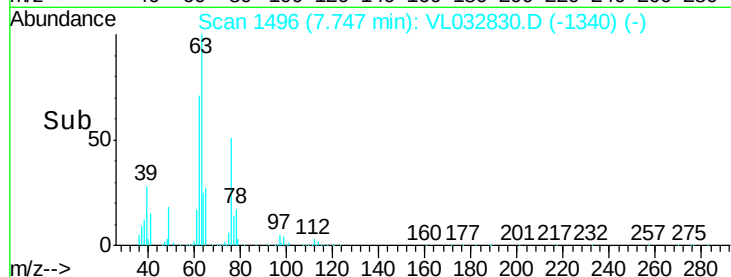
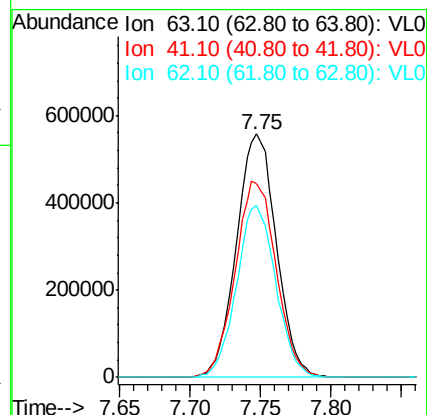
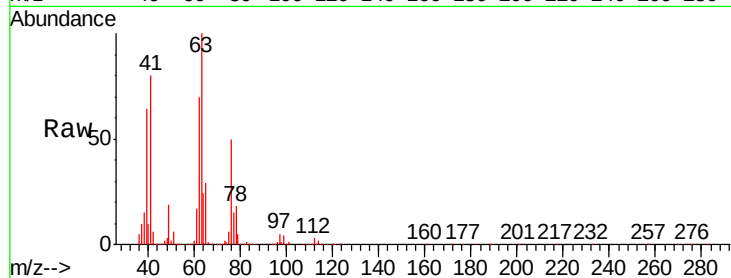
62 70.4 55.4 83.2

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#40

1,4-Dioxane

Concen: 9.679 ppbv

RT: 7.97 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

Tgt Ion: 88 Resp: 402462

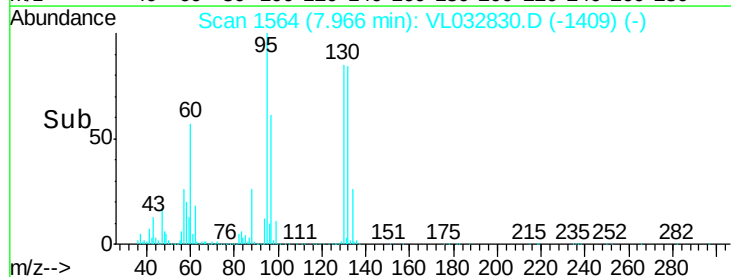
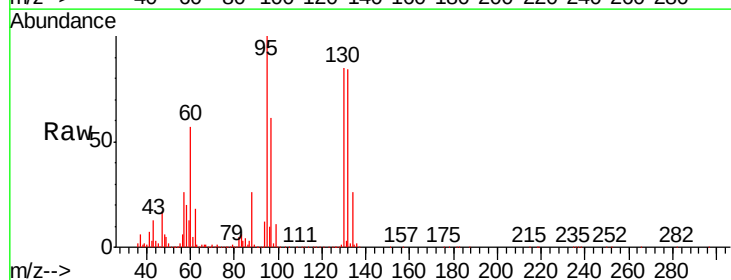
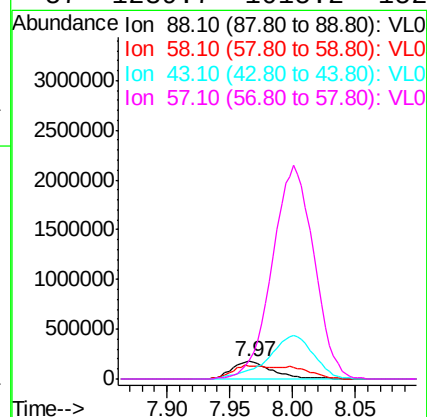
Ion Ratio Lower Upper

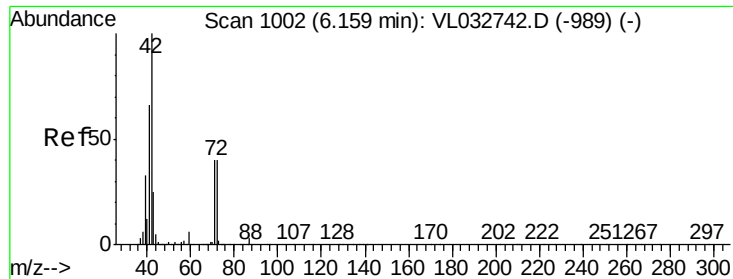
88 100

58 128.8 105.3 157.9

43 276.4 226.1 339.1

57 1239.7 1015.2 1522.8





#41

Tetrahydrofuran

Concen: 9.445 ppbv

RT: 6.16 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

Instrument :

MSVOA_L

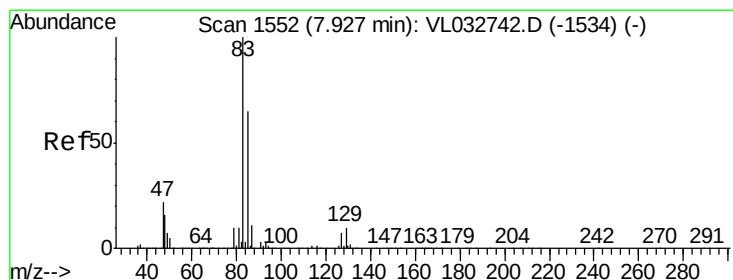
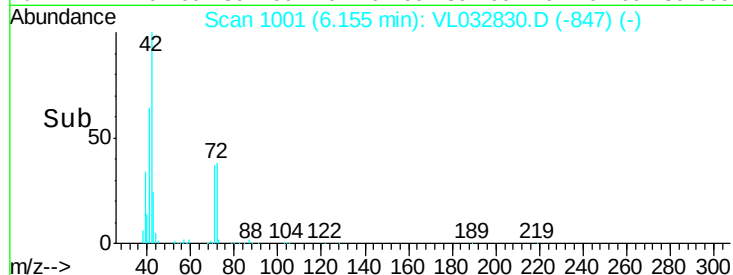
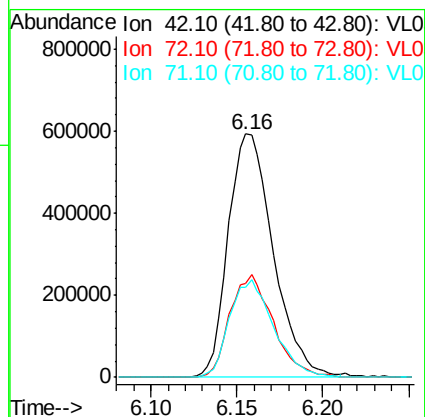
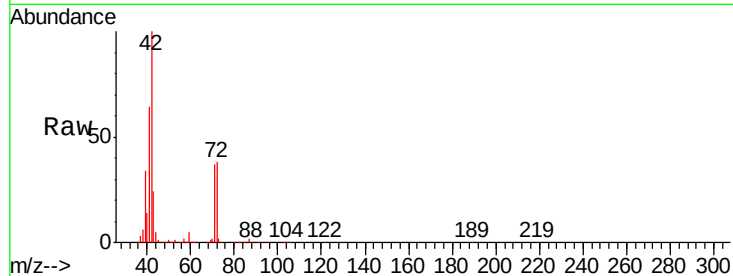
ClientSampleId :

VSTDCCC010

Tgt Ion:	42	Resp:	1078164
Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.4	48.6
71	39.5	31.6	47.4

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#42

Bromodichloromethane

Concen: 9.682 ppbv

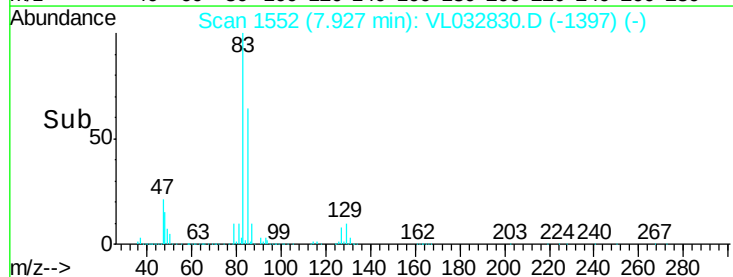
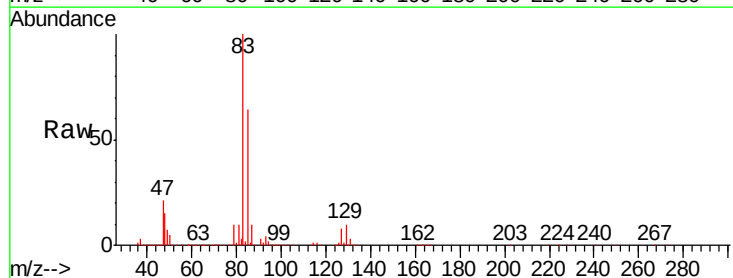
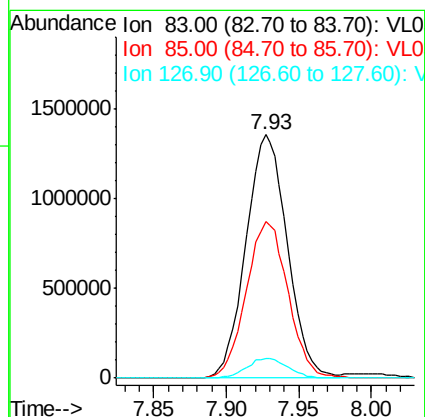
RT: 7.93 min Scan# 1552

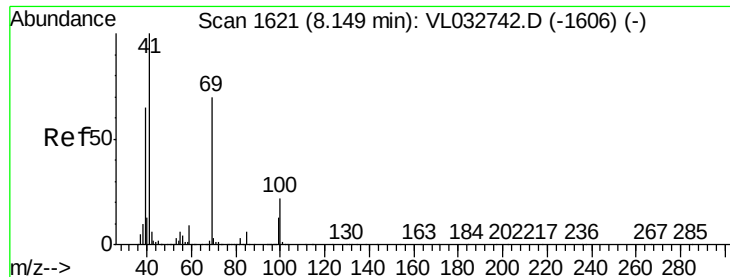
Delta R.T. -0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

Tgt Ion:	83	Resp:	2699678
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.8	77.8
127	8.0	5.9	8.9





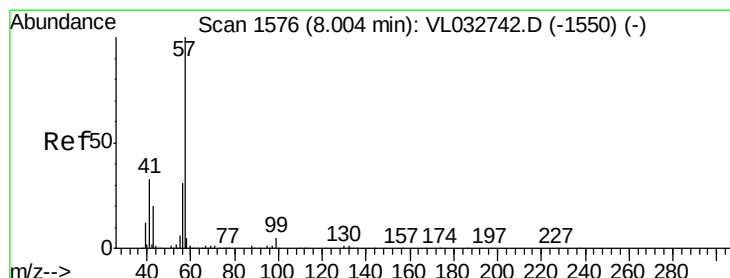
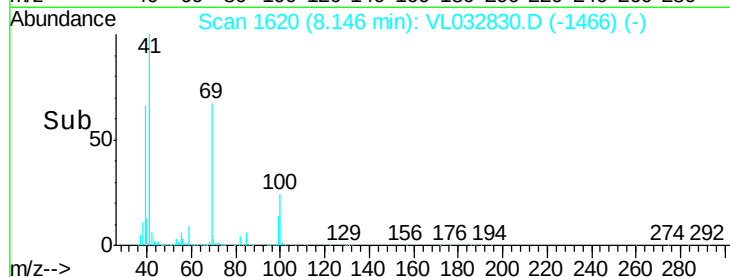
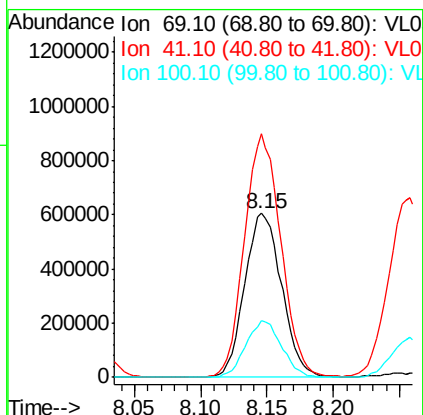
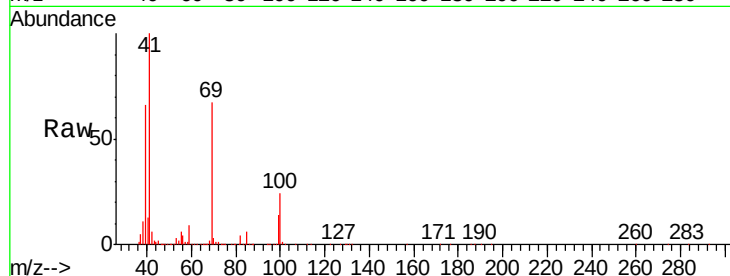
#43
Methyl Methacrylate
Concen: 10.309 ppbv
RT: 8.15 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 1175974
Ion Ratio Lower Upper
69 100
41 146.6 115.0 172.4
100 33.4 25.4 38.0

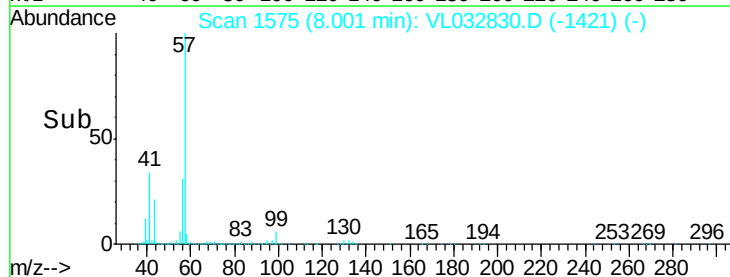
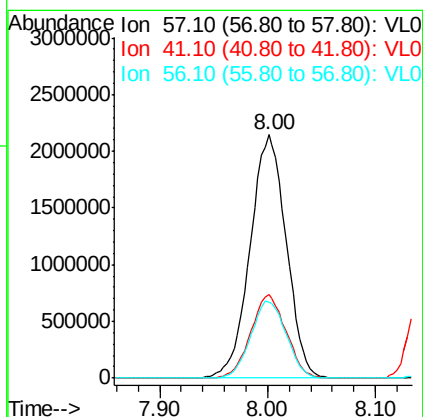
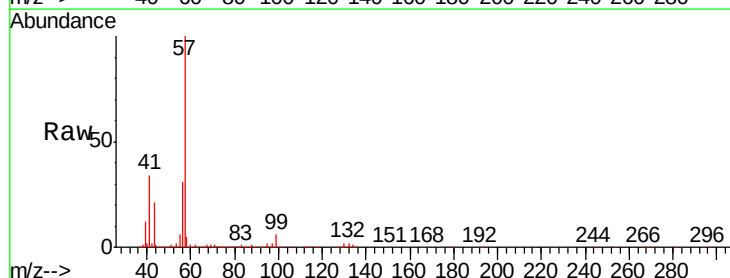
Manual Integrations
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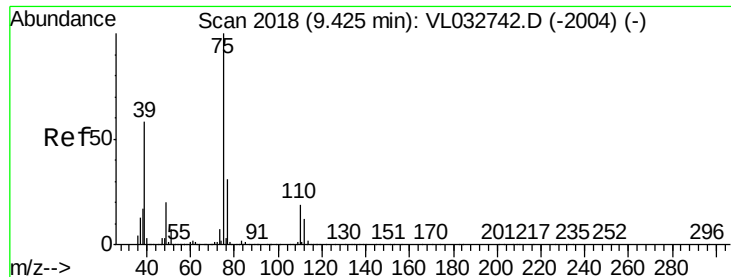
apatel
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#44
2,2,4-Trimethylpentane
Concen: 9.761 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 57 Resp: 4983848
Ion Ratio Lower Upper
57 100
41 33.3 26.6 39.8
56 31.1 24.8 37.2





#45

t-1,3-Dichloropropene

Concen: 11.523 ppbv

RT: 9.43 min Scan# 2018

Delta R.T. -0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 75 Resp: 1763741

Ion Ratio Lower Upper

75 100

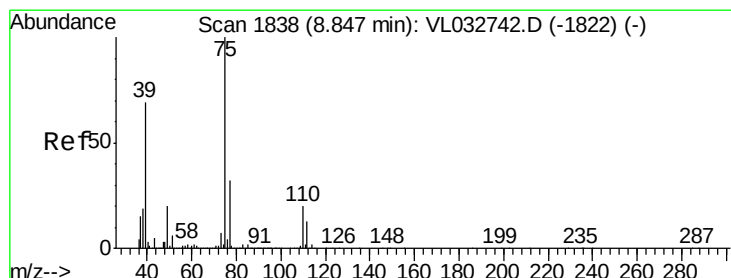
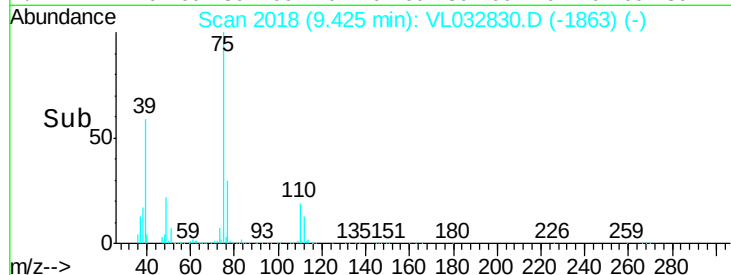
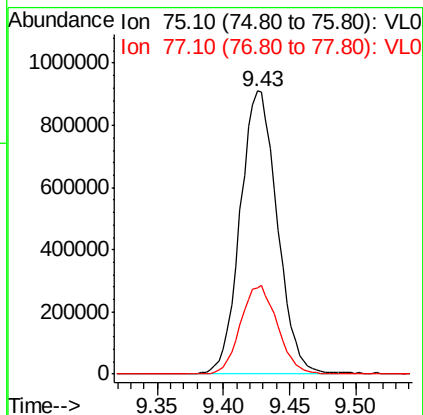
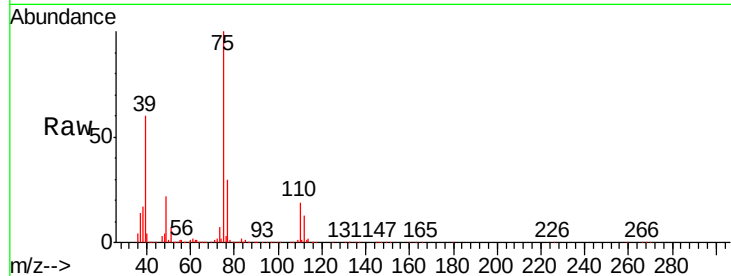
77 30.5 24.6 36.8

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#46

cis-1,3-Dichloropropene

Concen: 10.782 ppbv

RT: 8.85 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

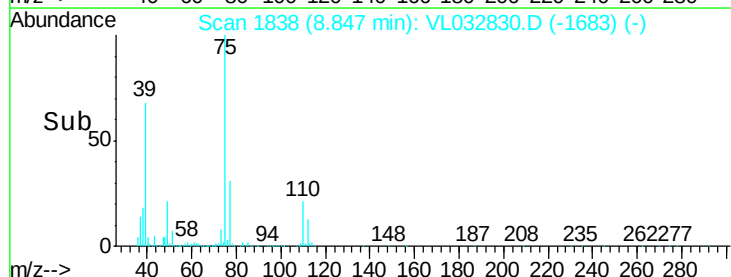
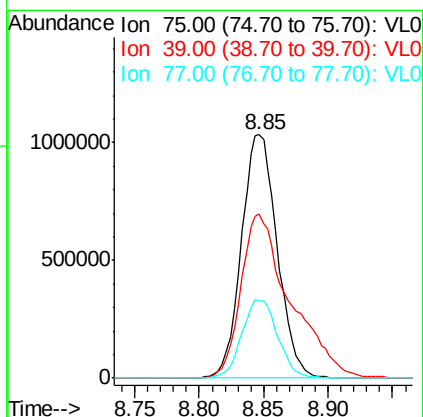
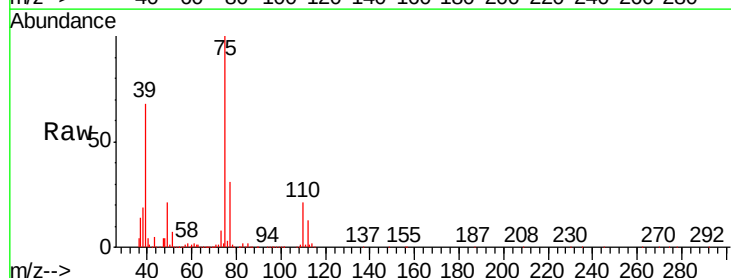
Tgt Ion: 75 Resp: 1993856

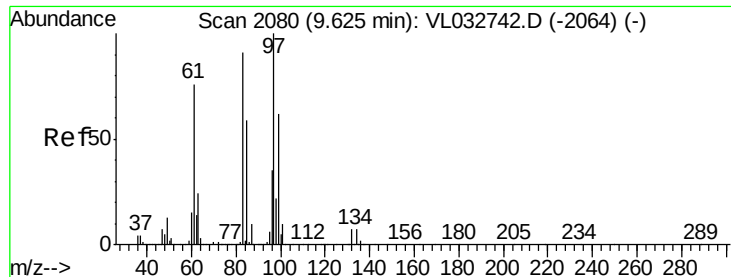
Ion Ratio Lower Upper

75 100

39 67.6 55.2 82.8

77 31.5 25.8 38.6





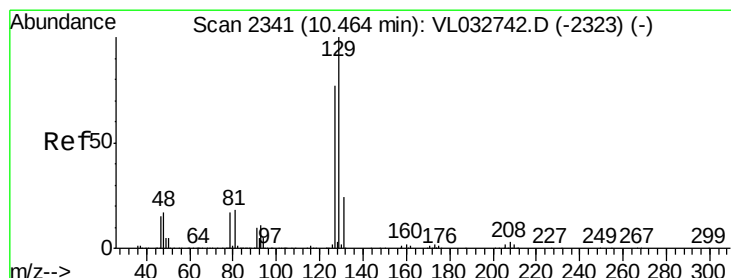
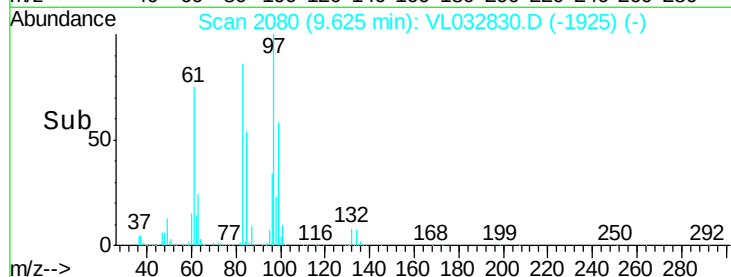
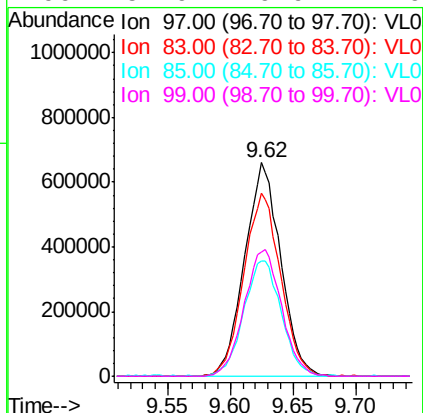
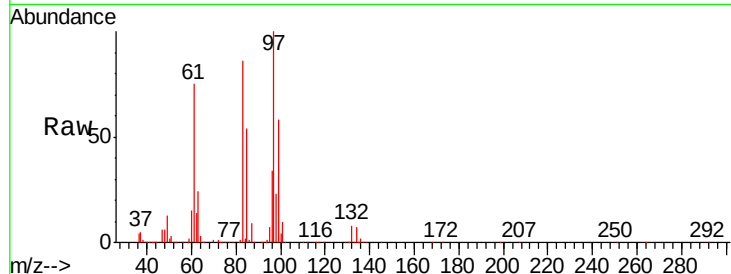
#47
 1,1,2-Trichloroethane
 Concen: 9.587 ppbv
 RT: 9.62 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VL032830.D
 Acq: 29 Nov 2018 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 97 Resp: 1319788
 Ion Ratio Lower Upper
 97 100
 83 85.6 73.0 109.4
 85 53.8 47.0 70.4
 99 57.9 49.9 74.9

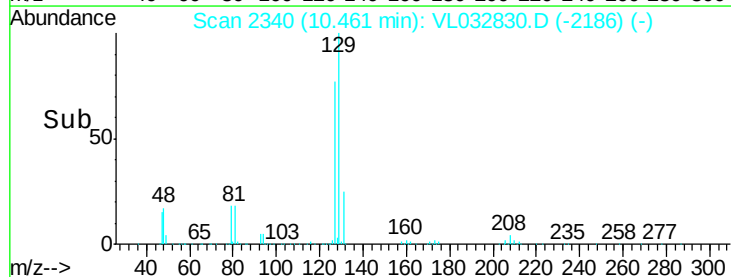
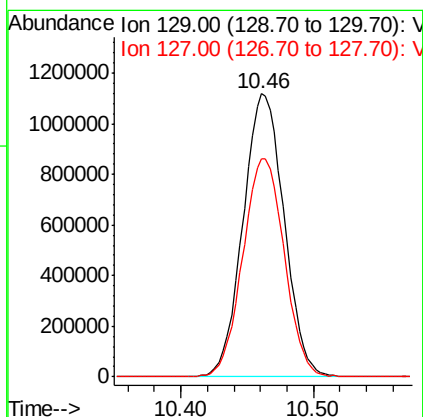
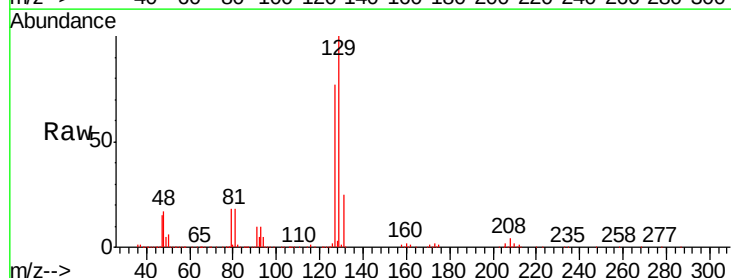
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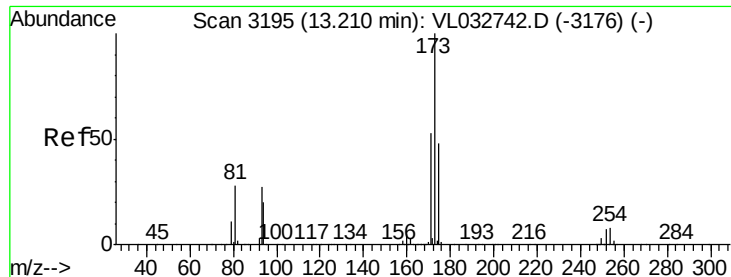
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#48
 Dibromochloromethane
 Concen: 10.292 ppbv
 RT: 10.46 min Scan# 2340
 Delta R.T. -0.00 min
 Lab File: VL032830.D
 Acq: 29 Nov 2018 9:47

Tgt Ion: 129 Resp: 2407991
 Ion Ratio Lower Upper
 129 100
 127 78.1 39.0 117.0





#49

Bromoform

Concen: 10.492 ppbv

RT: 13.21 min Scan# 3196

Delta R.T. 0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 173 Resp: 2027278

Ion Ratio Lower Upper

173 100

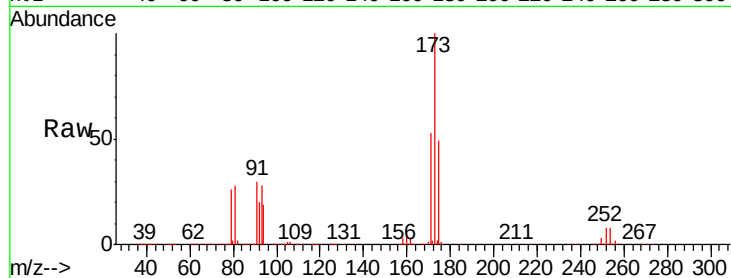
175 49.0 39.4 59.0

171 52.5 42.0 63.0

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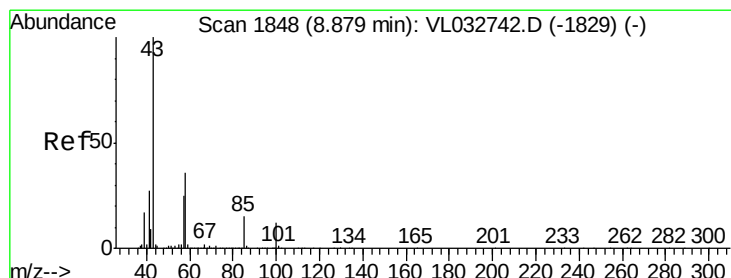
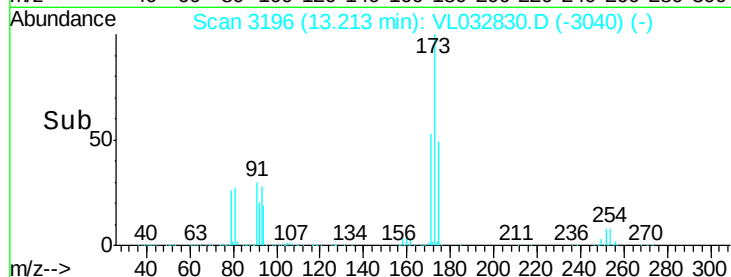
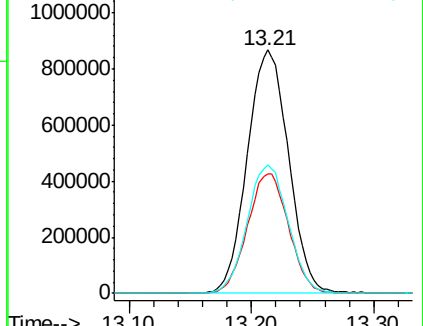
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.898 ppbv

RT: 8.88 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VL032830.D

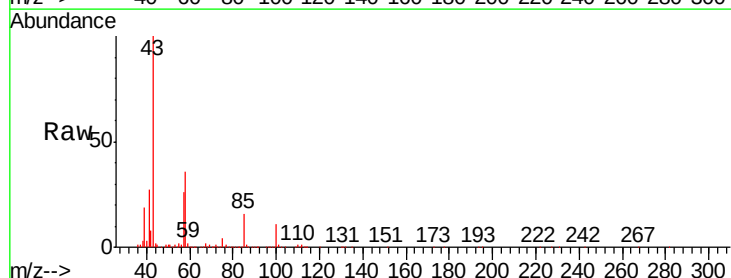
Acq: 29 Nov 2018 9:47

Tgt Ion: 43 Resp: 3076781

Ion Ratio Lower Upper

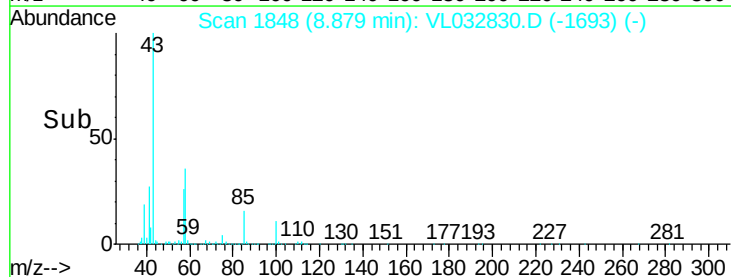
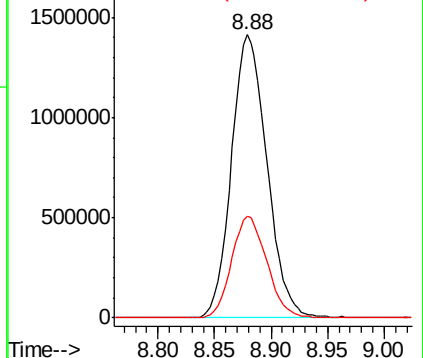
43 100

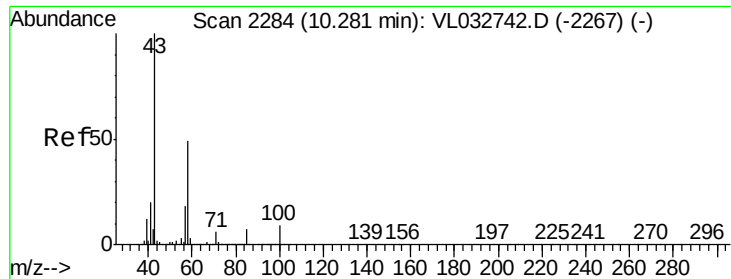
58 35.8 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





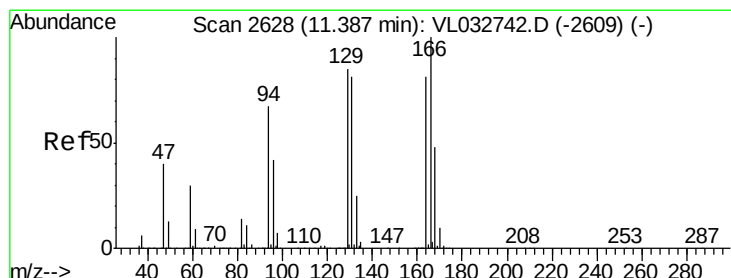
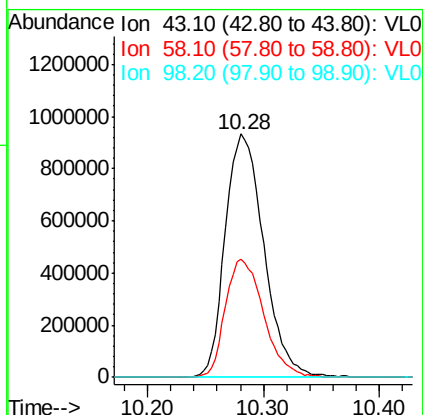
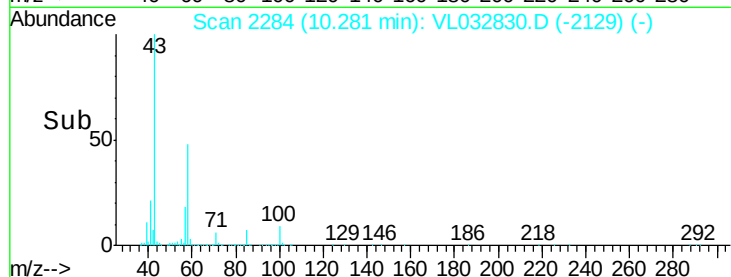
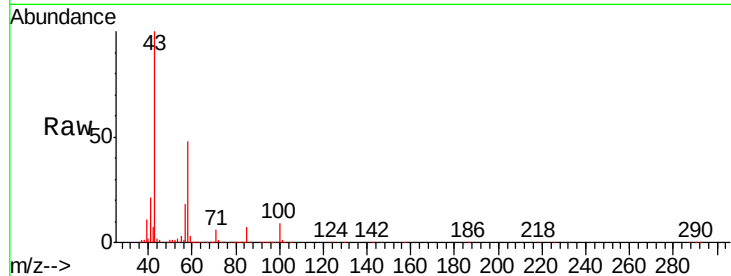
#51
2-Hexanone
Concen: 10.742 ppbv
RT: 10.28 min Scan# 2284
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2151250
Ion Ratio Lower Upper
43 100
58 48.7 38.9 58.3
98 0.2 0.2 0.4#

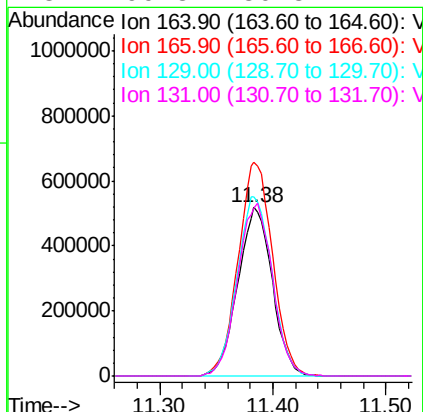
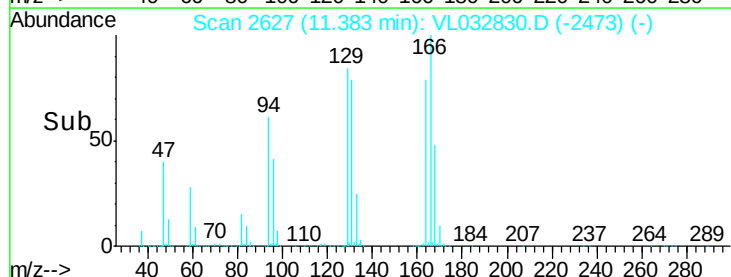
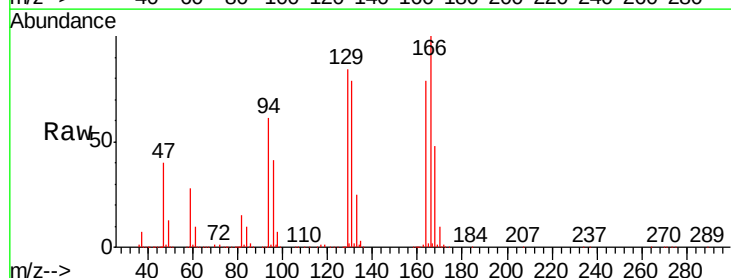
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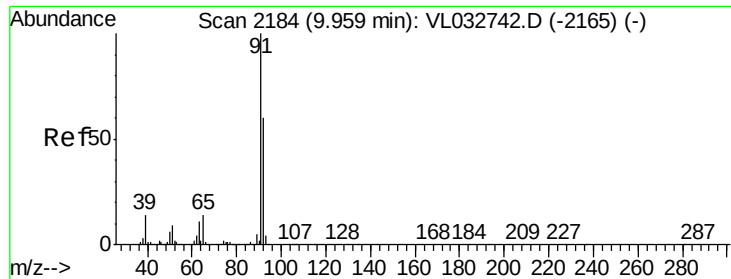
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#52
Tetrachloroethene
Concen: 10.314 ppbv
RT: 11.38 min Scan# 2627
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 164 Resp: 1096257
Ion Ratio Lower Upper
164 100
166 126.3 99.3 148.9
129 106.1 83.9 125.9
131 99.3 80.8 121.2





#53

Toluene

Concen: 10.751 ppbv

RT: 9.96 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 3427064

Ion Ratio Lower Upper

91 100

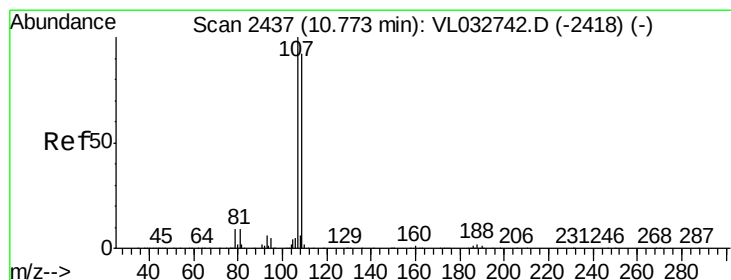
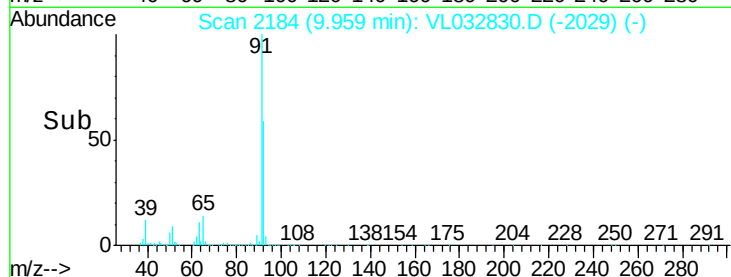
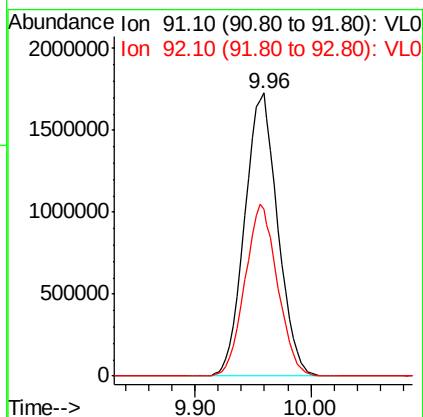
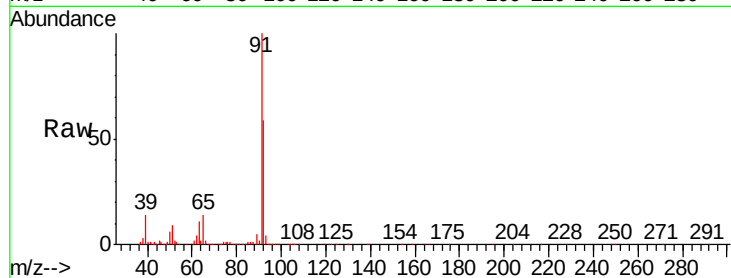
92 59.8 47.9 71.9

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#54

1,2-Dibromoethane

Concen: 10.198 ppbv

RT: 10.77 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VL032830.D

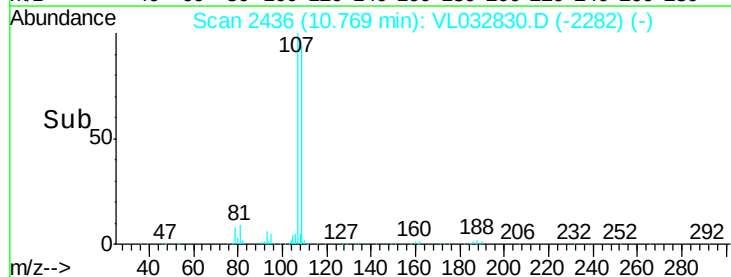
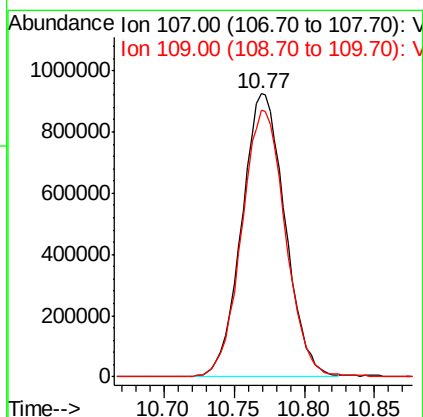
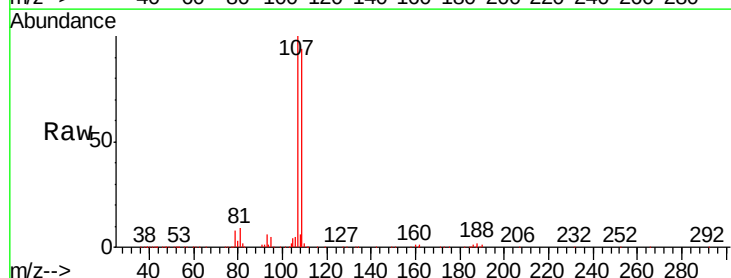
Acq: 29 Nov 2018 9:47

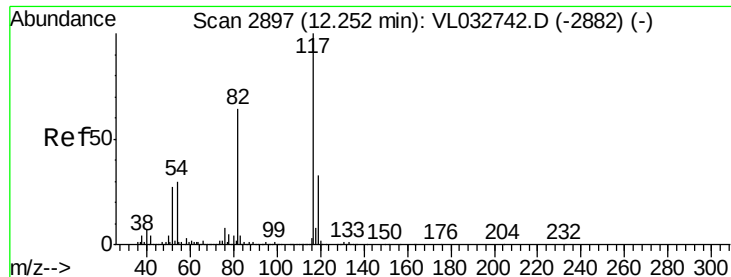
Tgt Ion: 107 Resp: 1984495

Ion Ratio Lower Upper

107 100

109 94.0 73.8 110.8





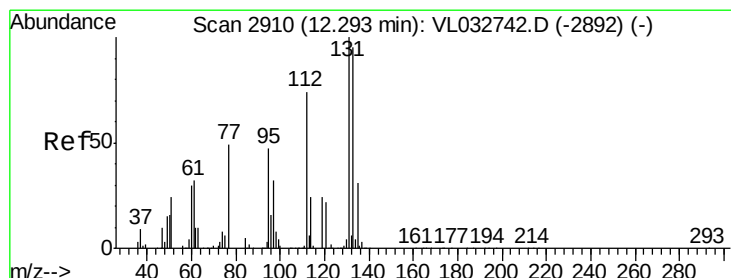
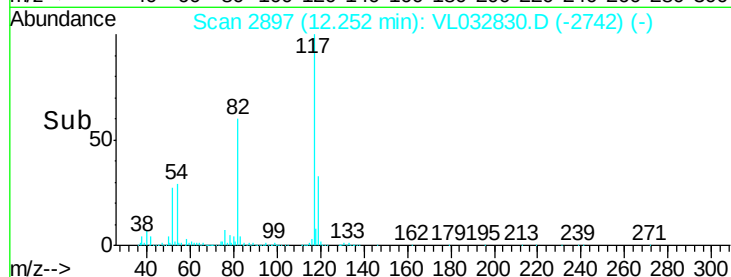
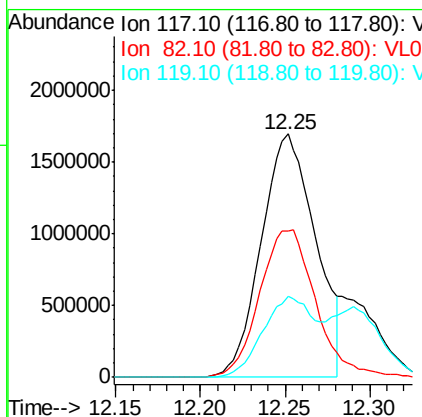
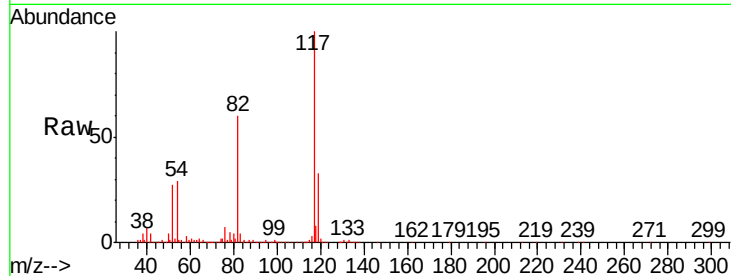
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.25 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 3781187
Ion Ratio Lower Upper
117 100
82 63.0 51.0 76.6
119 31.1 28.0 42.0

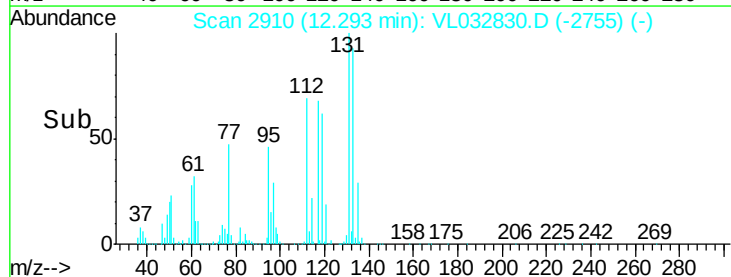
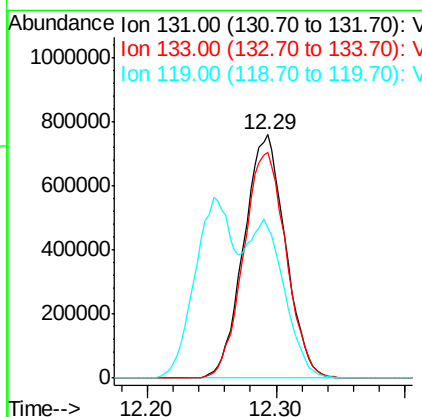
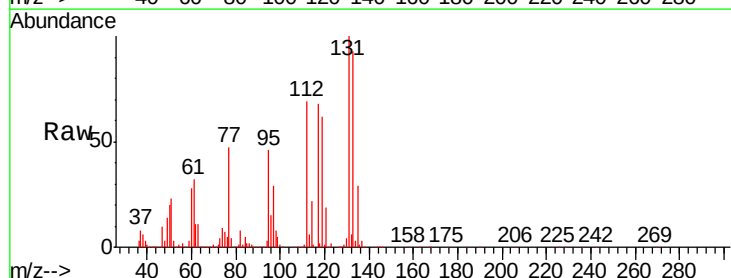
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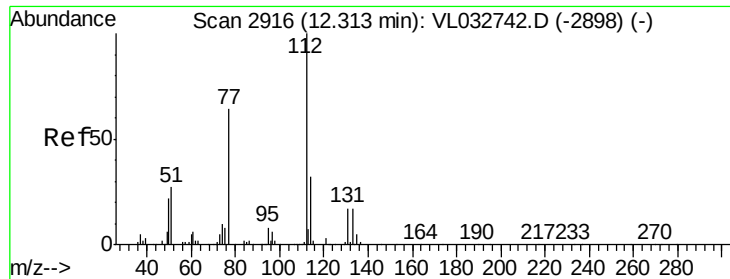
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.665 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion:131 Resp: 1704574
Ion Ratio Lower Upper
131 100
133 95.1 75.8 113.6
119 56.2 45.2 67.8





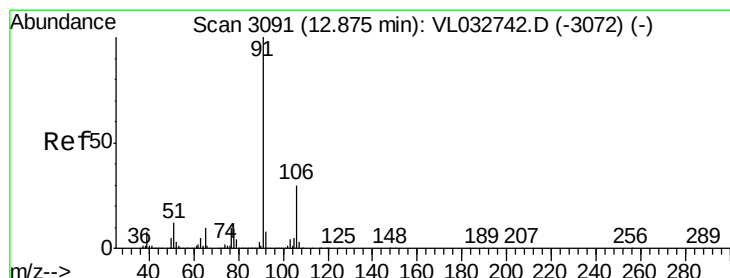
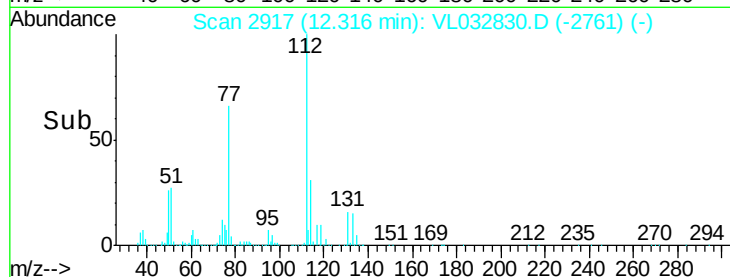
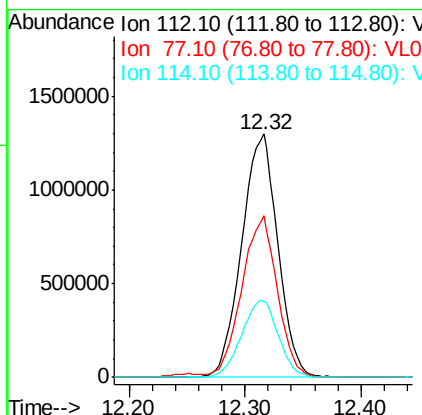
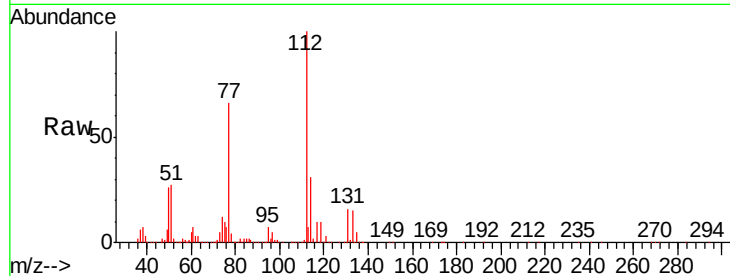
#57
Chlorobenzene
Concen: 9.723 ppbv
RT: 12.32 min Scan# 2917
Delta R.T. 0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
112	100		
77	66.2	52.3	78.5
114	30.9	28.4	34.8

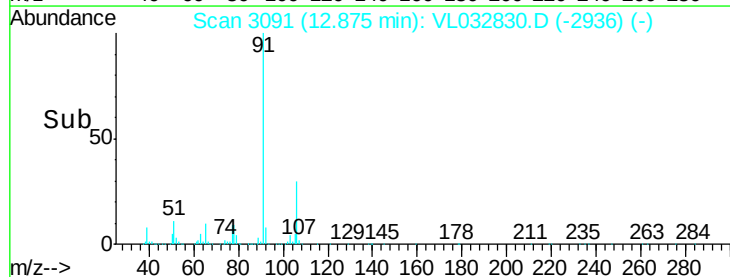
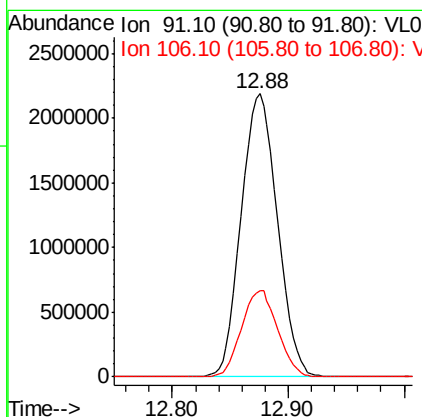
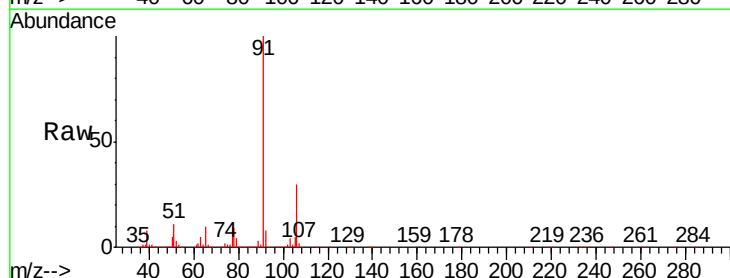
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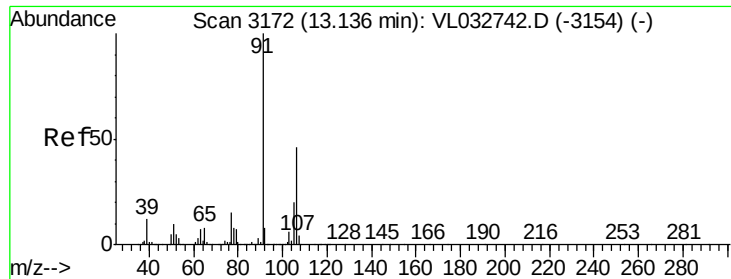
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#58
Ethyl Benzene
Concen: 10.475 ppbv
RT: 12.88 min Scan# 3091
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.6	35.4





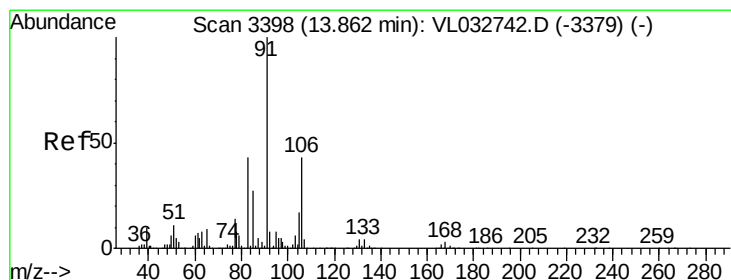
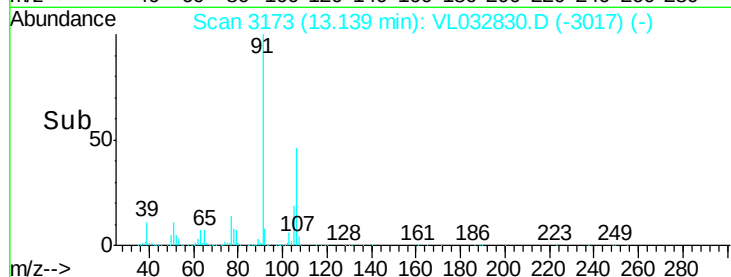
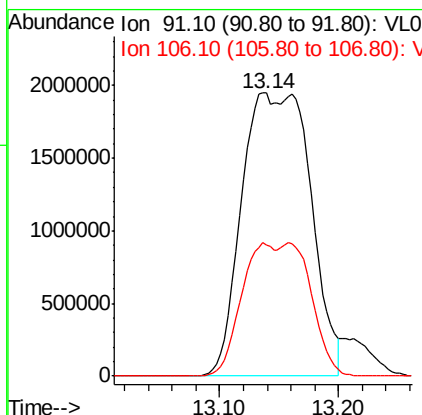
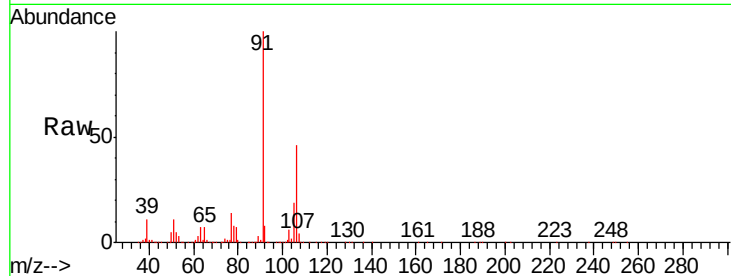
#59
m/p-Xylene
Concen: 19.521 ppbv m
RT: 13.14 min Scan# 3173
Delta R.T. 0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 7908059
Ion Ratio Lower Upper
91 100
106 0.0 36.1 54.1#

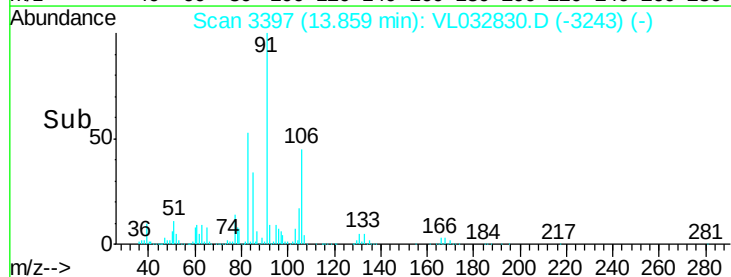
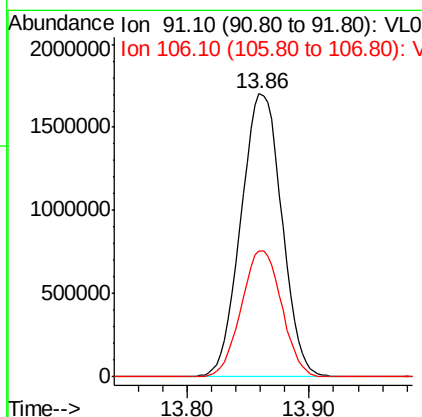
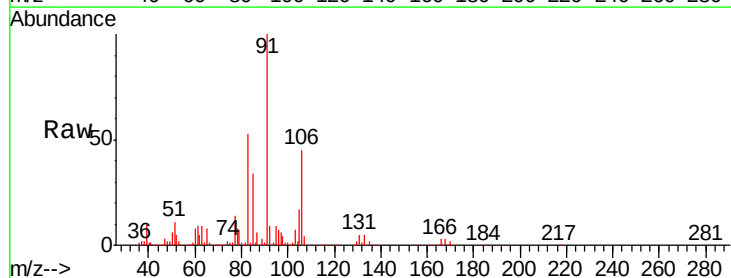
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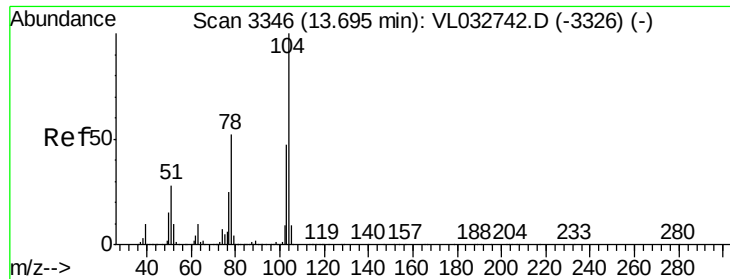
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#60
o-Xylene
Concen: 9.689 ppbv
RT: 13.86 min Scan# 3397
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 91 Resp: 3946518
Ion Ratio Lower Upper
91 100
106 44.1 21.9 65.7





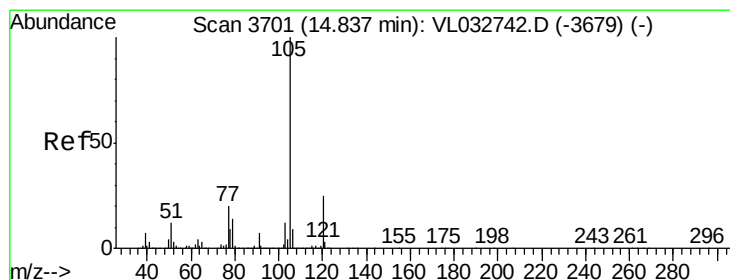
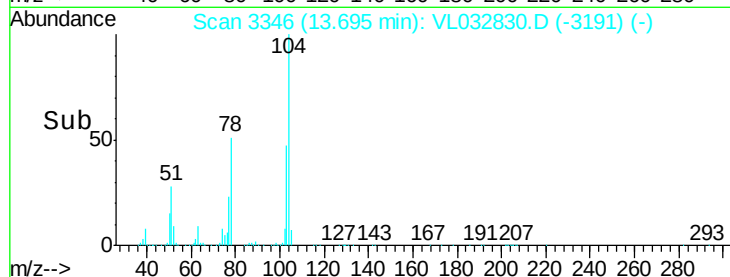
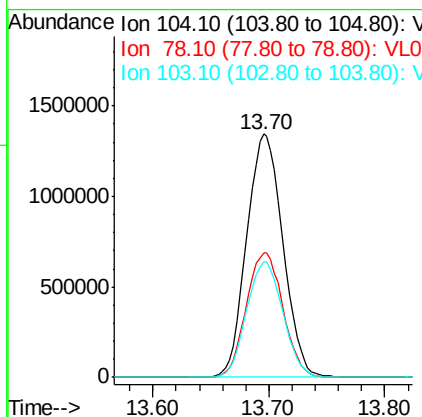
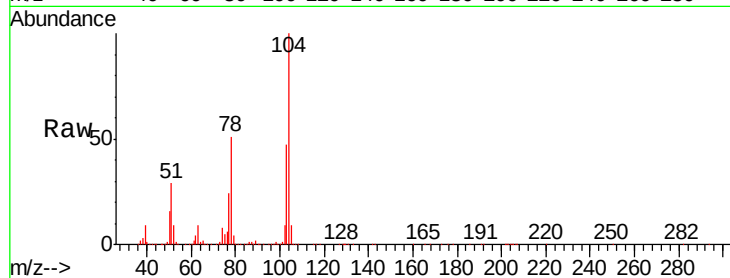
#61
Styrene
 Concen: 11.031 ppbv
 RT: 13.70 min Scan# 3346
 Delta R.T. -0.00 min
 Lab File: VL032830.D
 Acq: 29 Nov 2018 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:104 Resp: 2924960
 Ion Ratio Lower Upper
 104 100
 78 52.0 42.2 63.4
 103 47.8 38.2 57.2

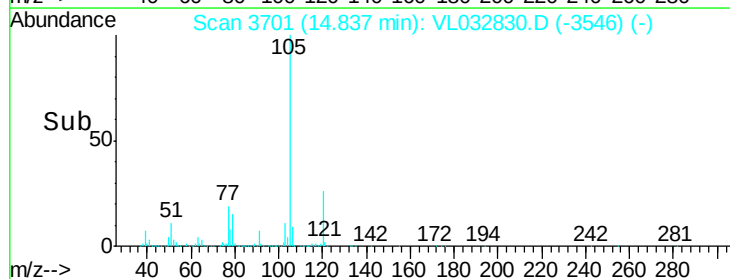
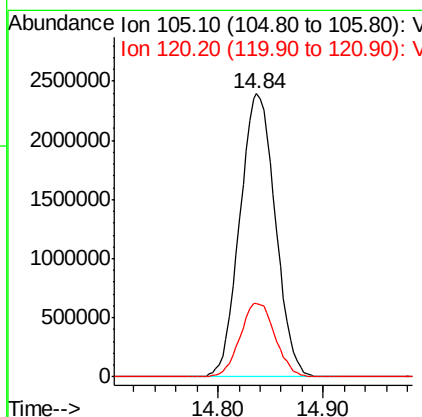
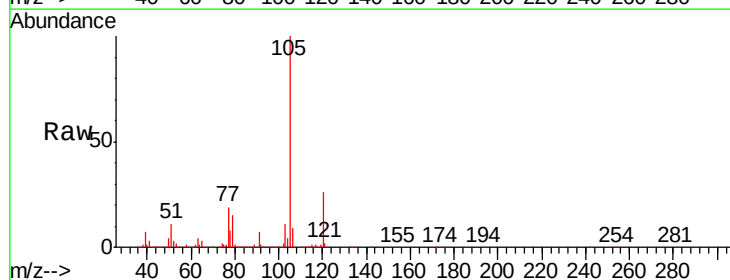
Manual Integrations
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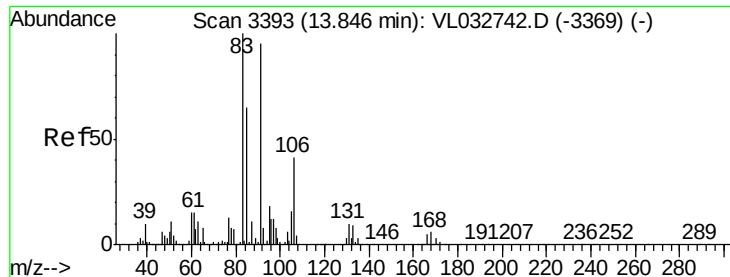
apatel
 12/4/2018 8:38:21 AM



#62
Isopropylbenzene
 Concen: 10.170 ppbv
 RT: 14.84 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VL032830.D
 Acq: 29 Nov 2018 9:47

Tgt Ion:105 Resp: 5599155
 Ion Ratio Lower Upper
 105 100
 120 25.7 20.1 30.1





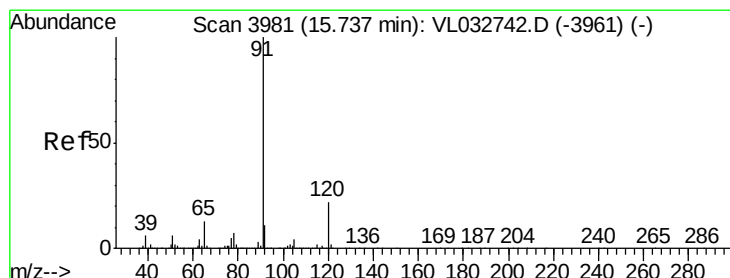
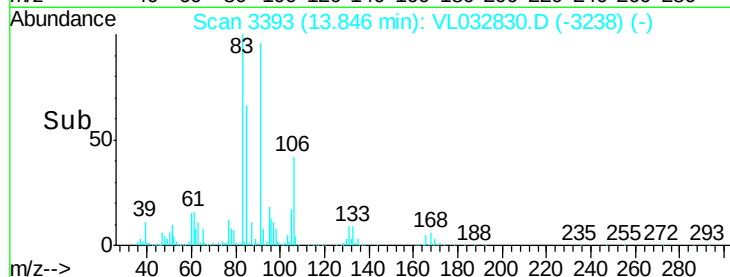
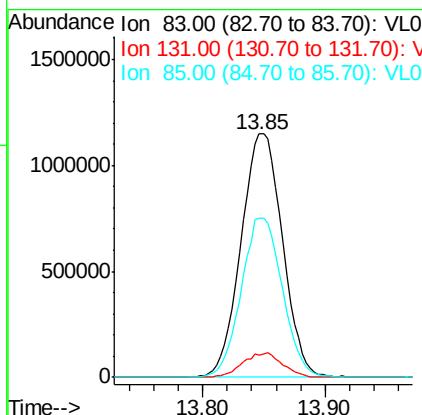
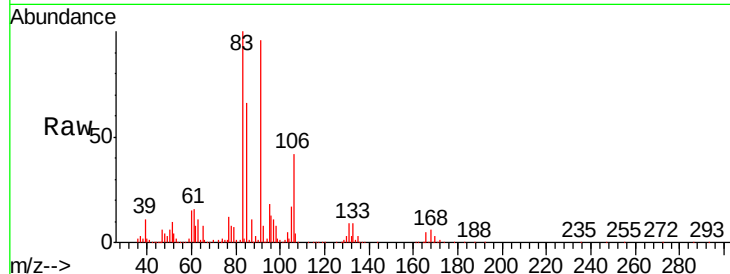
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.501 ppbv
 RT: 13.85 min Scan# 3393
 Delta R.T. -0.00 min
 Lab File: VL032830.D
 Acq: 29 Nov 2018 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 83 Resp: 2699135
 Ion Ratio Lower Upper
 83 100
 131 9.9 4.7 14.1
 85 65.2 32.5 97.4

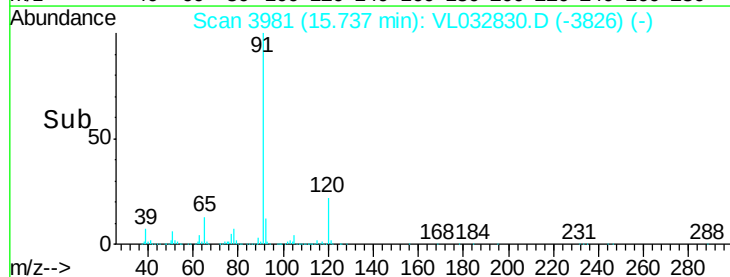
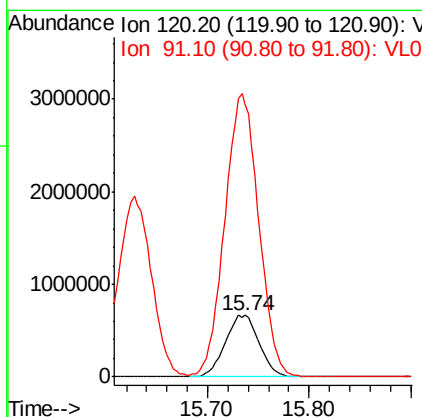
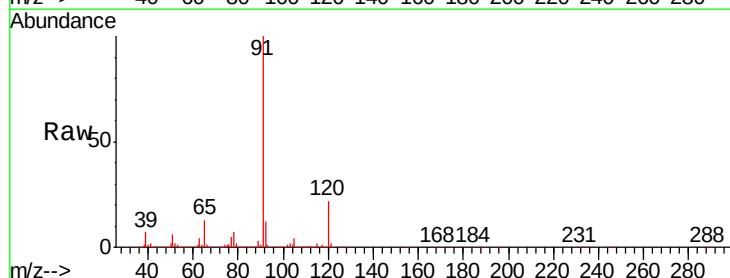
Manual Integrations
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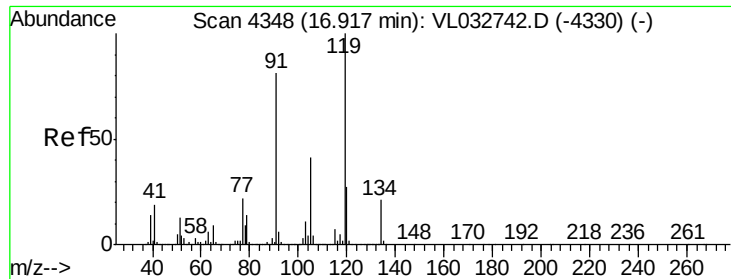
apatel
 12/4/2018 8:38:21 AM



#64
 n-propylbenzene
 Concen: 10.569 ppbv m
 RT: 15.74 min Scan# 3981
 Delta R.T. -0.00 min
 Lab File: VL032830.D
 Acq: 29 Nov 2018 9:47

Tgt Ion: 120 Resp: 1530475
 Ion Ratio Lower Upper
 120 100
 91 286.6 381.7 572.5#





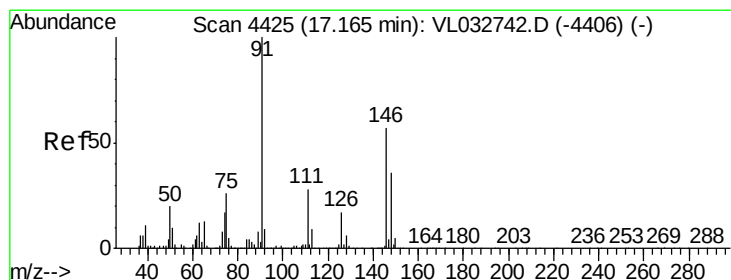
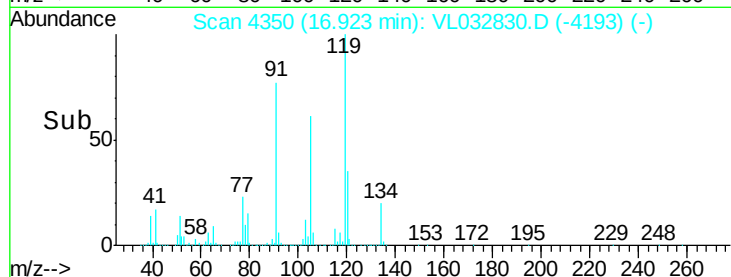
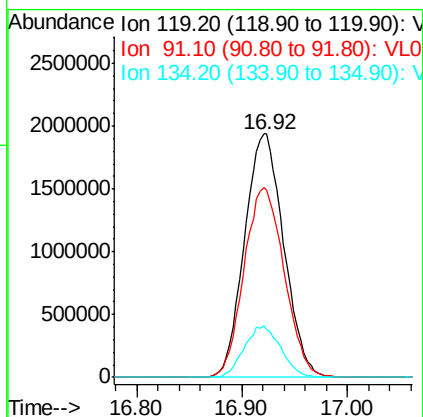
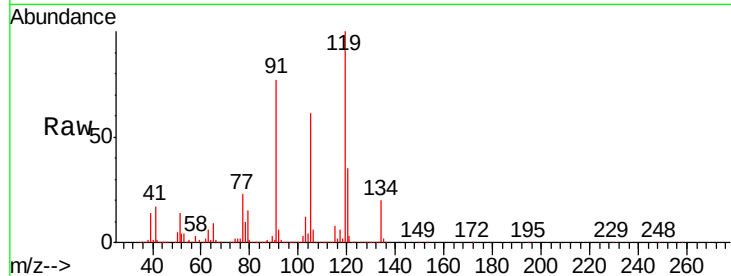
#65
 tert-Butylbenzene
 Concen: 10.133 ppbv
 RT: 16.92 min Scan# 4350
 Delta R.T. 0.01 min
 Lab File: VL032830.D
 Acq: 29 Nov 2018 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
119	100		
91	80.1	65.6	98.4
134	19.8	15.9	23.9

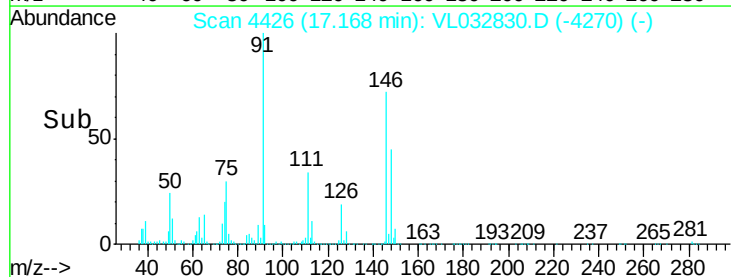
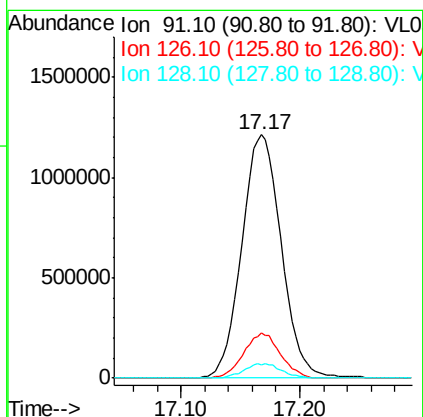
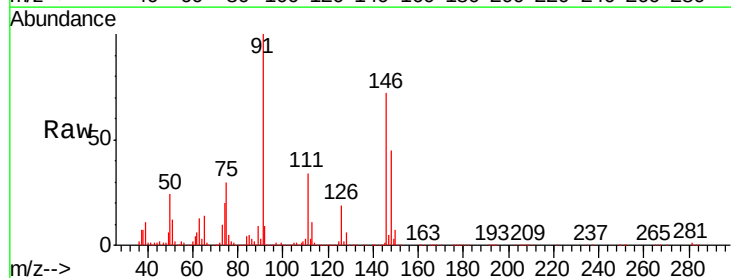
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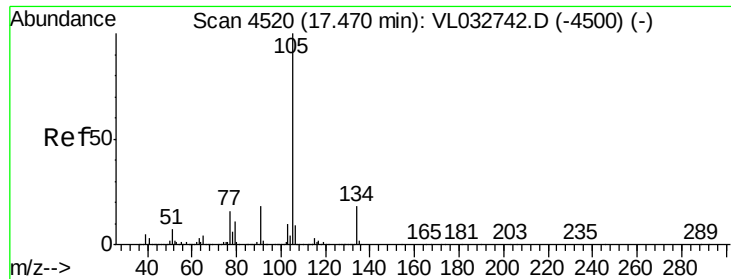
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#66
 Benzyl Chloride
 Concen: 10.203 ppbv
 RT: 17.17 min Scan# 4426
 Delta R.T. 0.00 min
 Lab File: VL032830.D
 Acq: 29 Nov 2018 9:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.5	14.2	21.2
128	5.7	4.5	6.7





#67

sec-Butylbenzene

Concen: 9.828 ppbv

RT: 17.47 min Scan# 4520

Delta R.T. -0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 105 Resp: 6990258

Ion Ratio Lower Upper

105 100

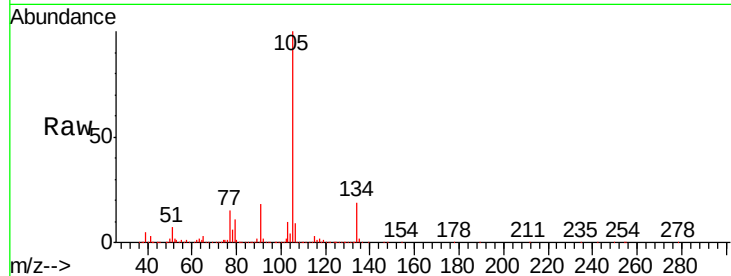
134 18.5 14.6 21.8

Manual Integrations

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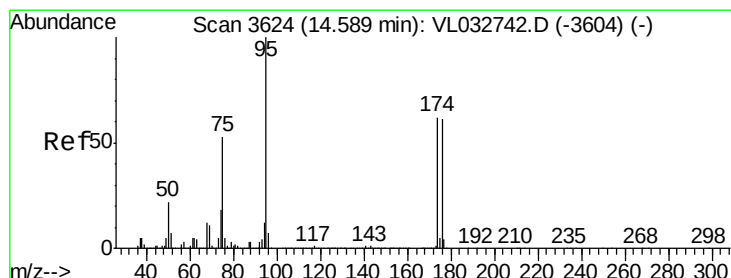
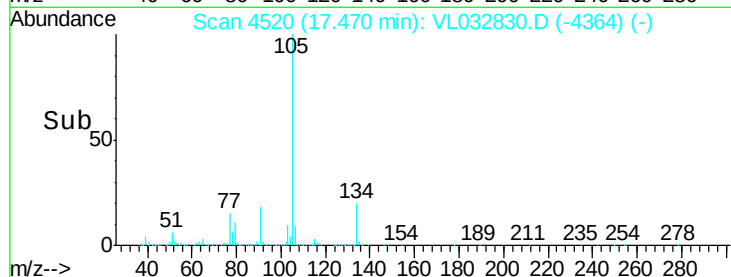
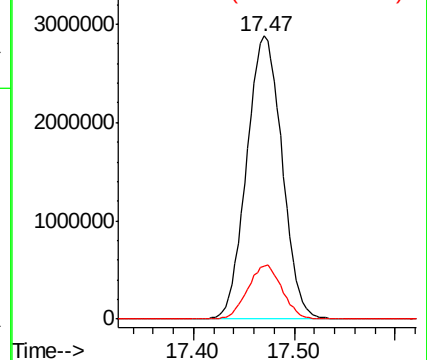
apatel

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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: 10.132 ppbv

RT: 14.59 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

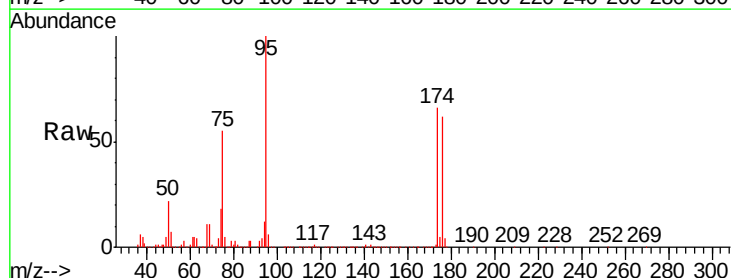
Tgt Ion: 95 Resp: 2865319

Ion Ratio Lower Upper

95 100

174 66.0 50.7 76.1

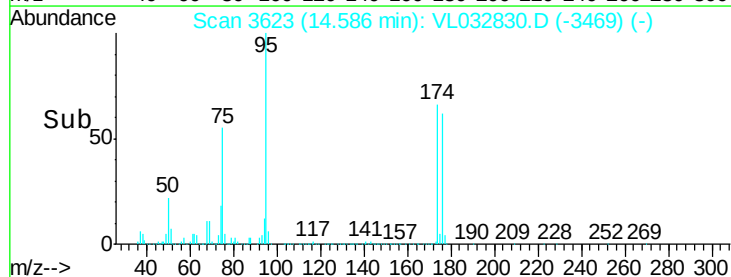
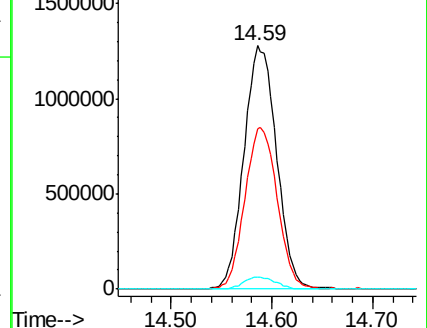
175 4.9 3.8 5.6

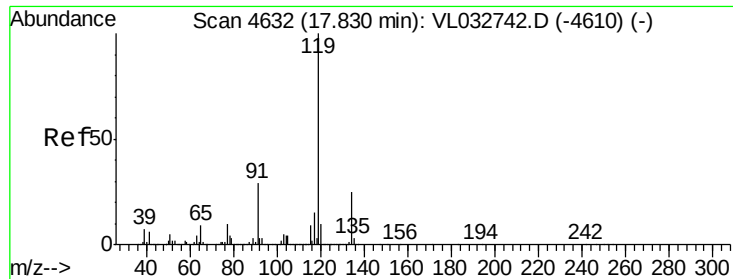


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





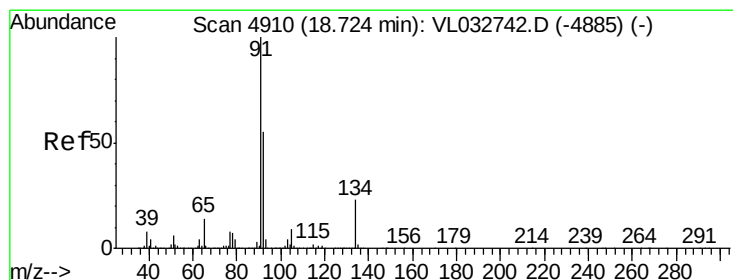
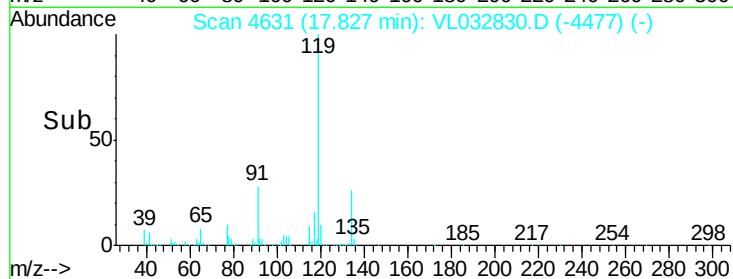
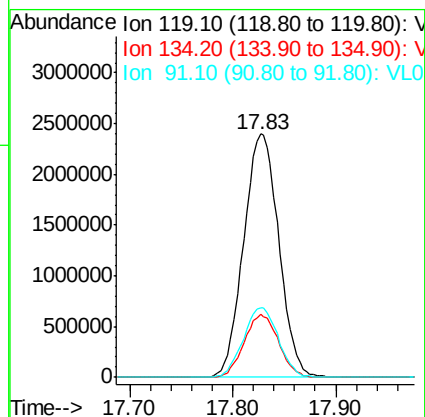
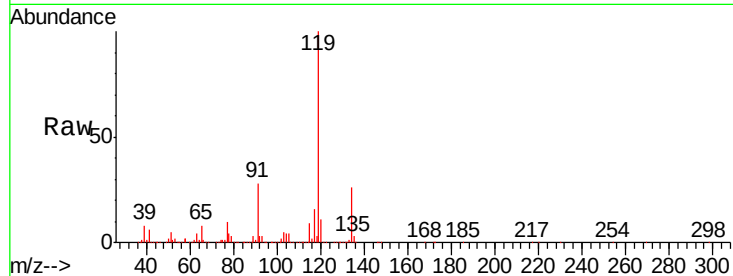
#69
p-Isopropyltoluene
Concen: 10.040 ppbv
RT: 17.83 min Scan# 4631
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 119 Resp: 5677827
Ion Ratio Lower Upper
119 100
134 25.4 20.2 30.4
91 28.7 23.5 35.3

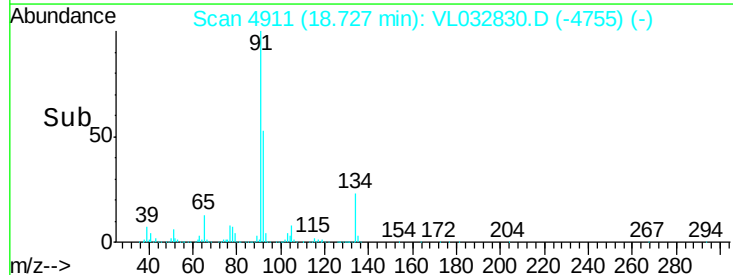
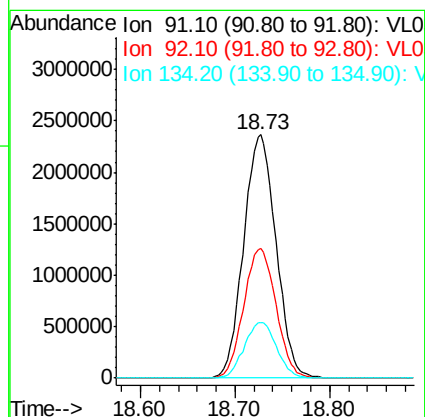
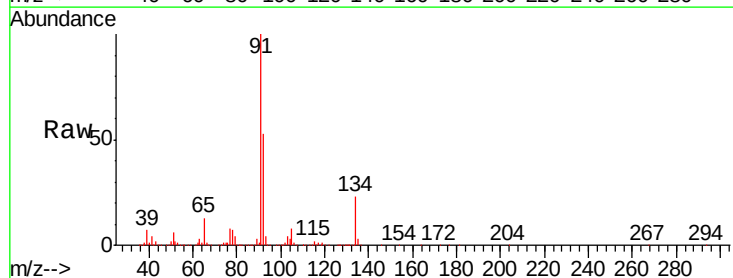
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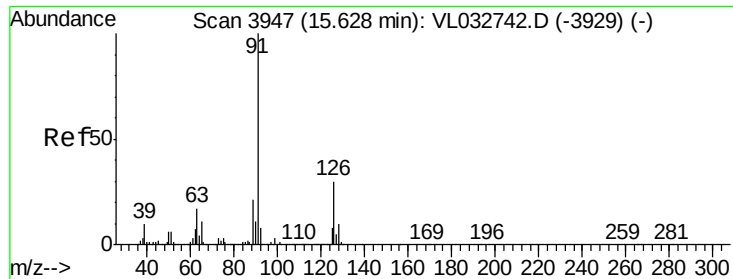
apatel
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#70
n-Butylbenzene
Concen: 9.778 ppbv
RT: 18.73 min Scan# 4911
Delta R.T. 0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 91 Resp: 5615285
Ion Ratio Lower Upper
91 100
92 53.3 42.9 64.3
134 22.8 17.8 26.8





#71

2-Chlorotoluene

Concen: 10.694 ppbv

RT: 15.63 min Scan# 3947

Delta R.T. -0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 4390900

Ion Ratio Lower Upper

91 100

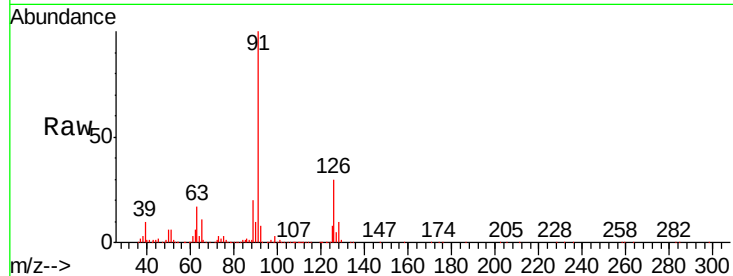
126 31.0 12.1 48.5

Manual Integrations

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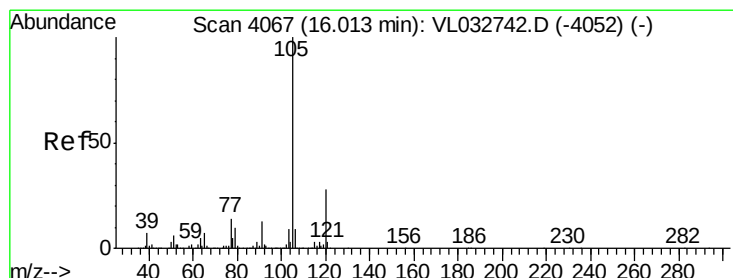
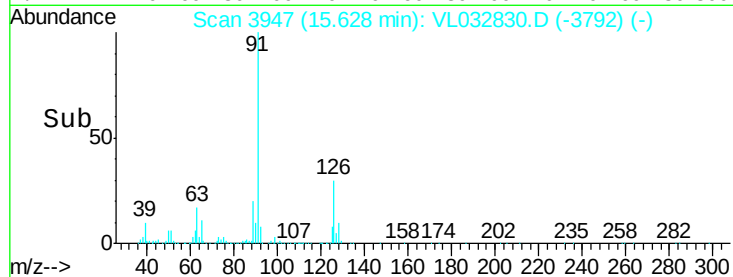
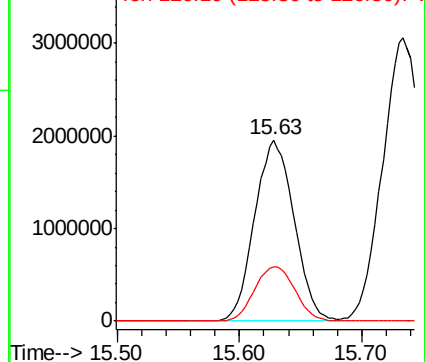
apatel

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.093 ppbv

RT: 16.01 min Scan# 4067

Delta R.T. -0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

Tgt Ion: 105 Resp: 4506309

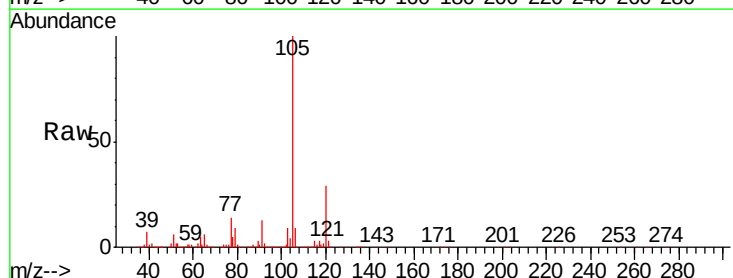
Ion Ratio Lower Upper

105 100

120 28.9 22.9 34.3

91 13.0 10.6 15.8

77 13.7 11.4 17.2

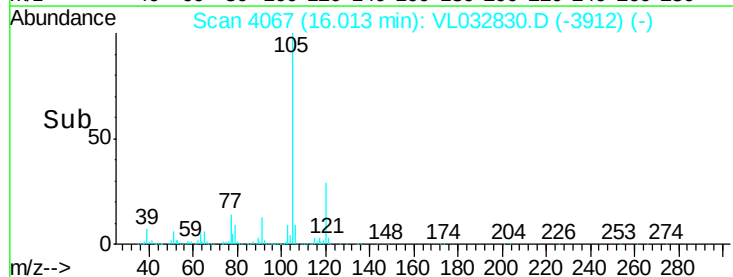
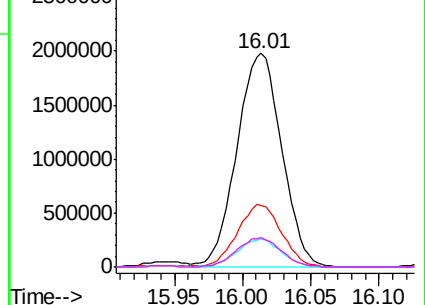


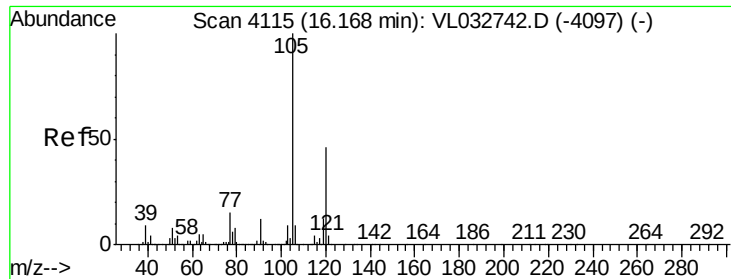
Abundance Ion 105.10 (104.80 to 105.80): V

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





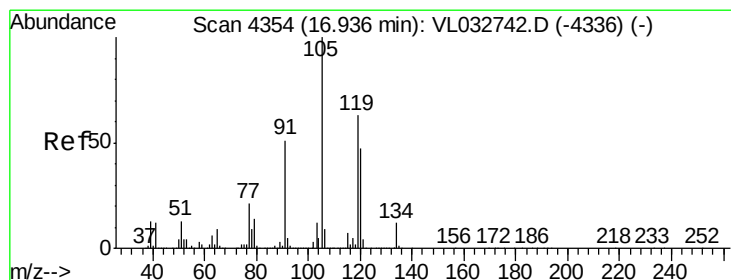
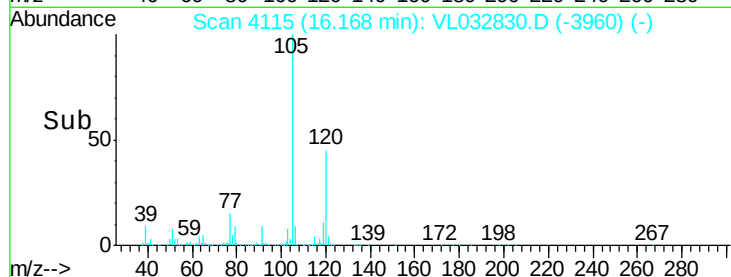
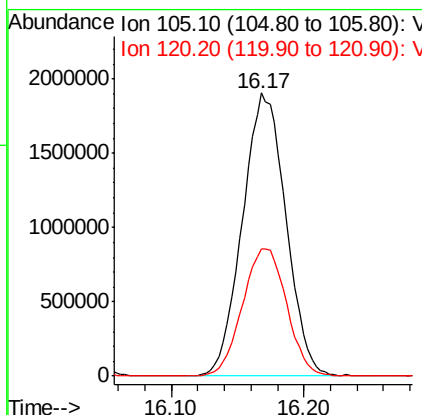
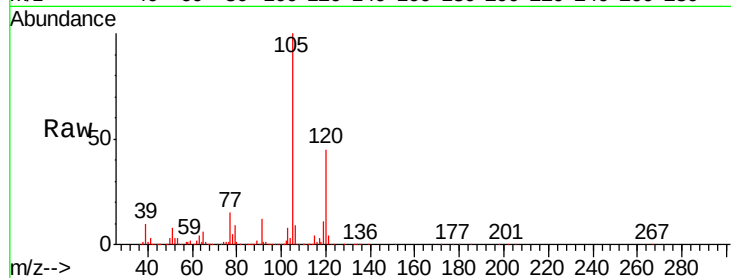
#73
 1,3,5-Trimethylbenzene
 Concen: 9.938 ppbv
 RT: 16.17 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VL032830.D
 Acq: 29 Nov 2018 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:105 Resp: 4338220
 Ion Ratio Lower Upper
 105 100
 120 44.9 36.6 55.0

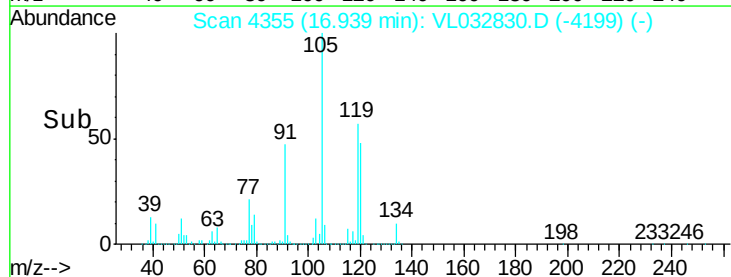
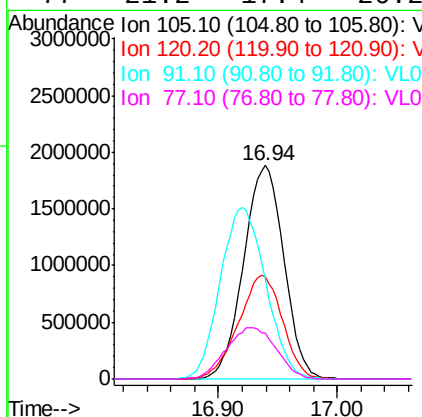
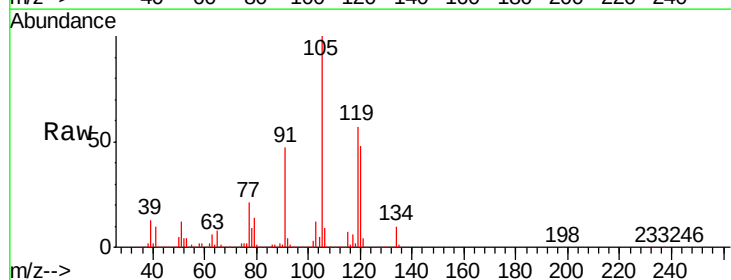
Manual Integrations
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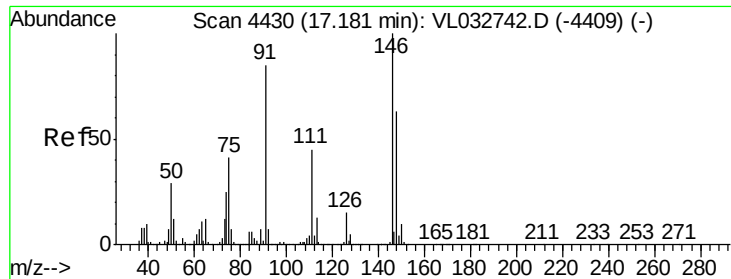
apatel
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.453 ppbv
 RT: 16.94 min Scan# 4355
 Delta R.T. 0.00 min
 Lab File: VL032830.D
 Acq: 29 Nov 2018 9:47

Tgt Ion:105 Resp: 4415776
 Ion Ratio Lower Upper
 105 100
 120 47.7 37.6 56.4
 91 46.3 42.5 63.7
 77 21.2 17.4 26.2





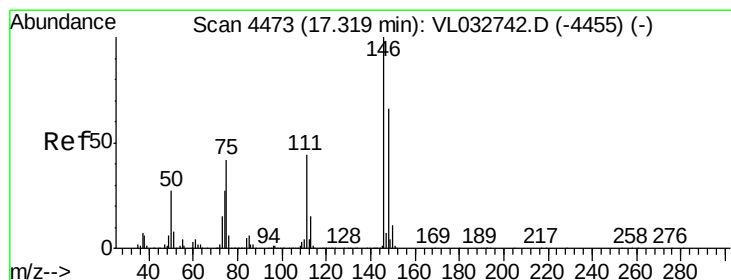
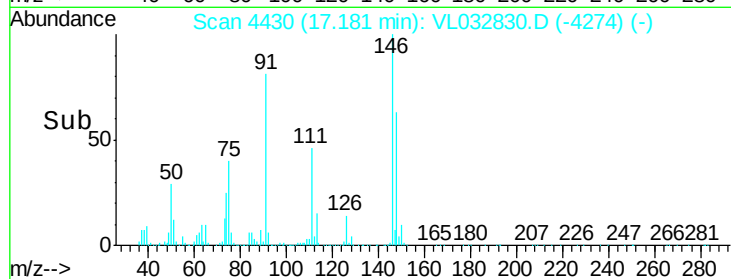
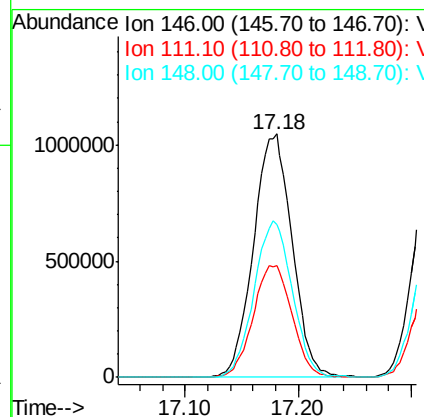
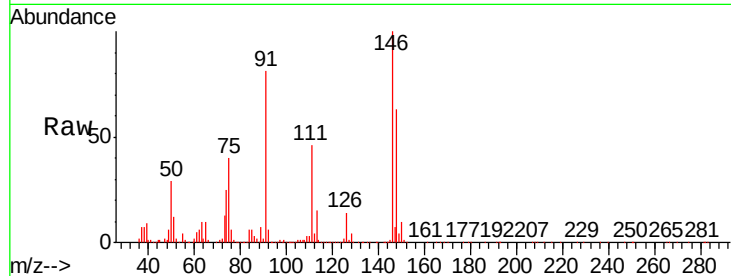
#75
 1,3-Dichlorobenzene
 Concen: 9.277 ppbv
 RT: 17.18 min Scan# 4430
 Delta R.T. -0.00 min
 Lab File: VL032830.D
 Acq: 29 Nov 2018 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:146 Resp: 2485753
 Ion Ratio Lower Upper
 146 100
 111 46.6 23.5 70.6
 148 63.7 31.8 95.3

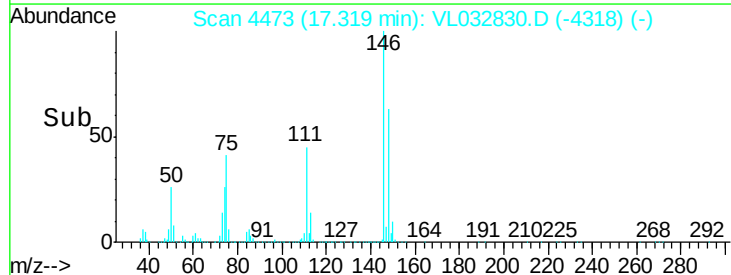
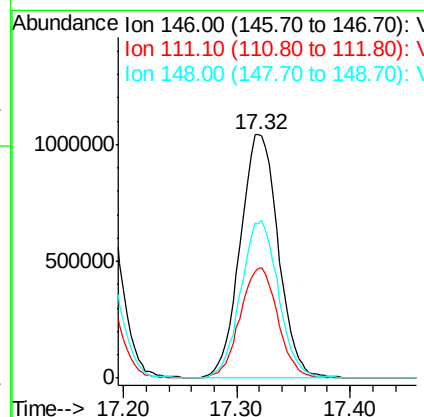
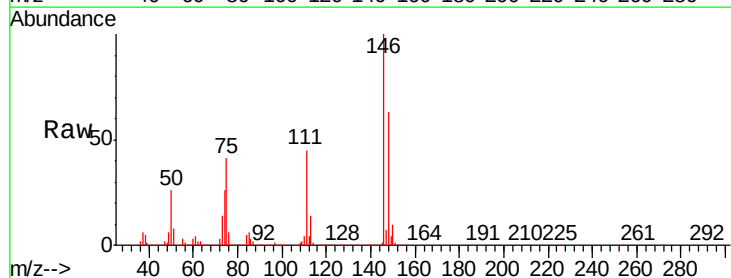
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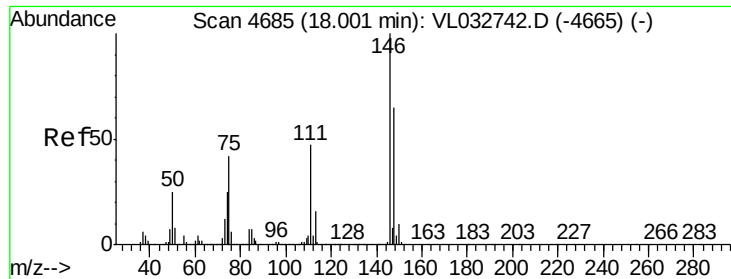
apatel
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#76
 1,4-Dichlorobenzene
 Concen: 9.699 ppbv
 RT: 17.32 min Scan# 4473
 Delta R.T. -0.00 min
 Lab File: VL032830.D
 Acq: 29 Nov 2018 9:47

Tgt Ion:146 Resp: 2427598
 Ion Ratio Lower Upper
 146 100
 111 45.3 22.5 67.5
 148 64.2 32.5 97.5





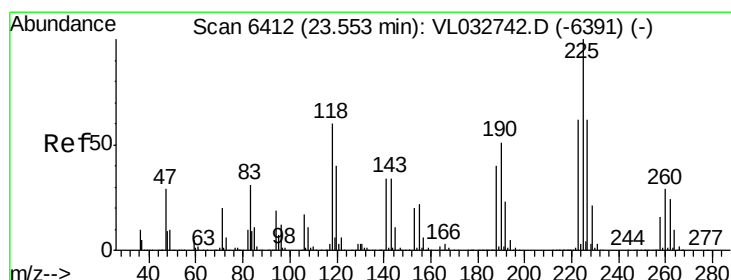
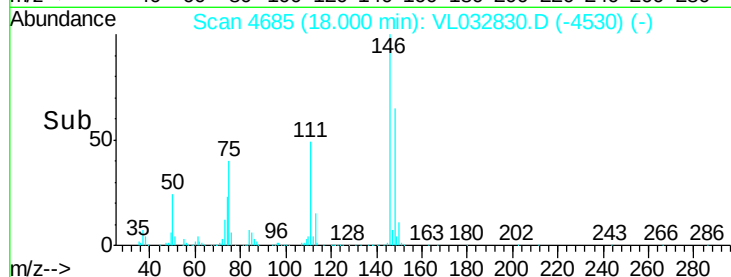
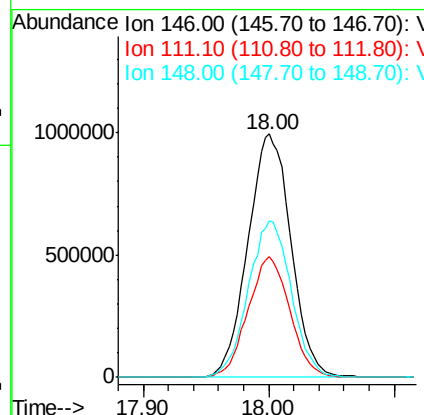
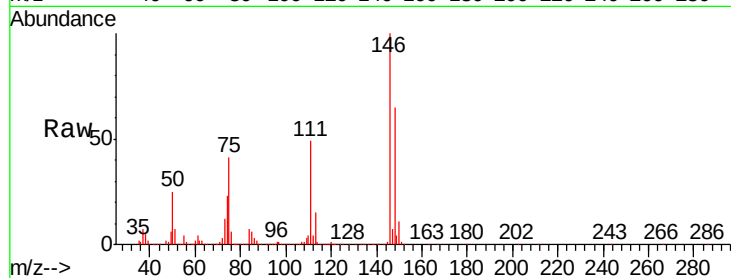
#77
 1,2-Dichlorobenzene
 Concen: 9.567 ppbv
 RT: 18.00 min Scan# 4685
 Delta R.T. -0.00 min
 Lab File: VL032830.D
 Acq: 29 Nov 2018 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:146 Resp: 2371457
 Ion Ratio Lower Upper
 146 100
 111 48.4 24.4 73.2
 148 64.3 32.2 96.6

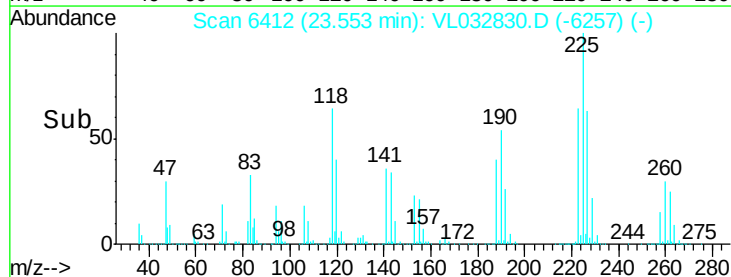
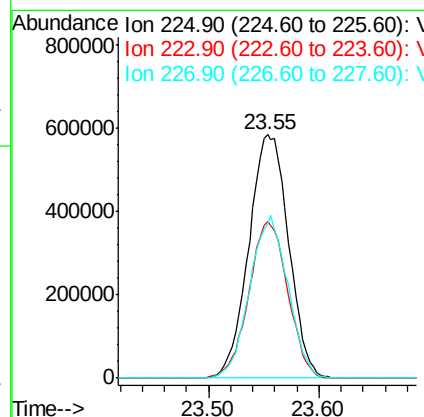
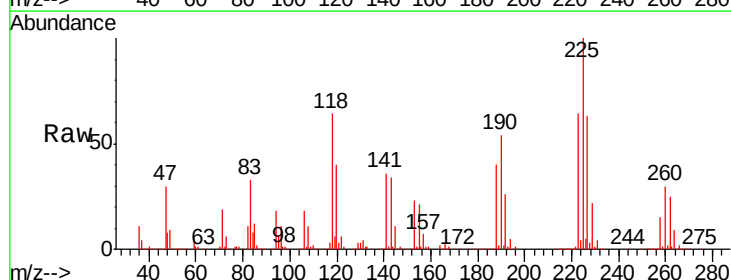
Manual Integrations
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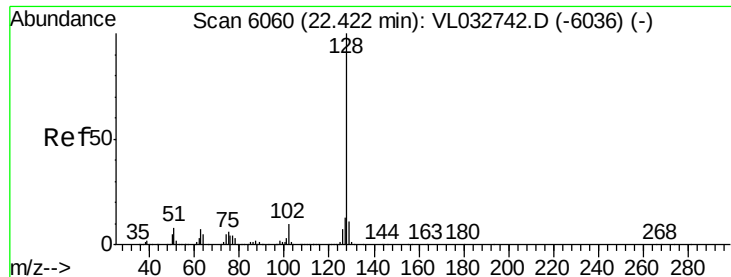
apatel
 12/4/2018 8:38:21 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 10.892 ppbv
 RT: 23.55 min Scan# 6412
 Delta R.T. -0.00 min
 Lab File: VL032830.D
 Acq: 29 Nov 2018 9:47

Tgt Ion:225 Resp: 1457123
 Ion Ratio Lower Upper
 225 100
 223 63.0 50.3 75.5
 227 64.0 50.2 75.4





#79

Naphthalene

Concen: 9.572 ppbv

RT: 22.42 min Scan# 6061

Delta R.T. 0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:128 Resp: 2937396

Ion Ratio Lower Upper

128 100

127 13.5 10.1 15.1

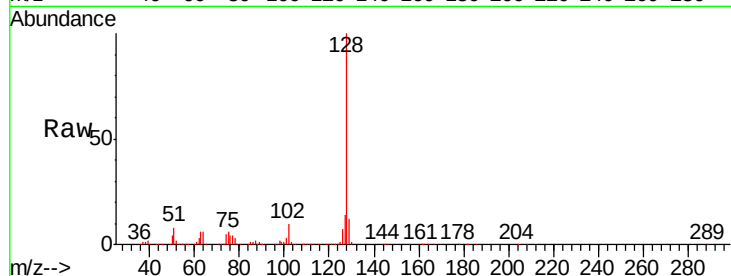
129 12.3 8.9 13.3

Manual Integrations

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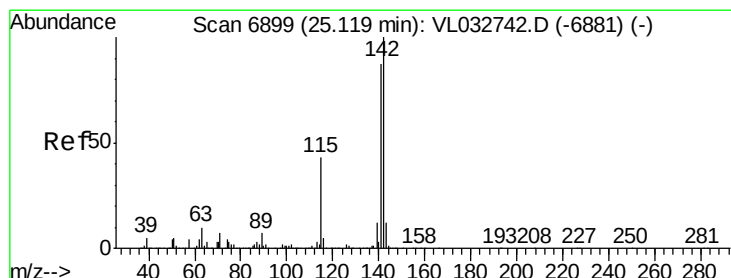
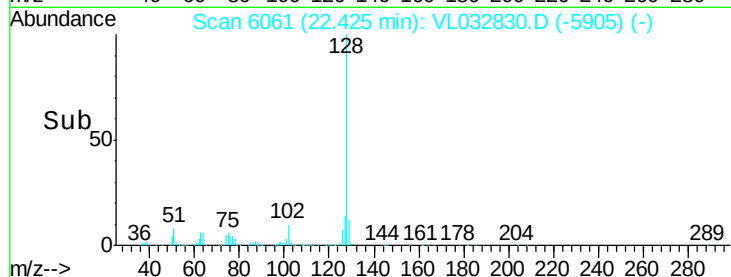
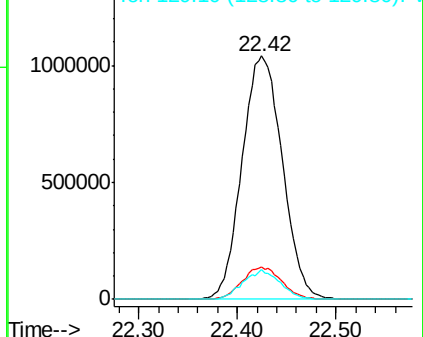
12/4/2018 8:38:21 AM



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: 10.722 ppbv

RT: 25.12 min Scan# 6900

Delta R.T. 0.00 min

Lab File: VL032830.D

Acq: 29 Nov 2018 9:47

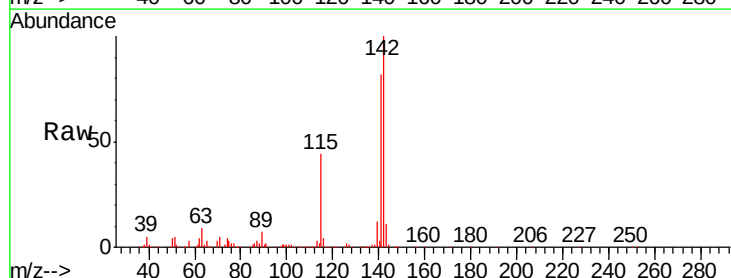
Tgt Ion:142 Resp: 824027

Ion Ratio Lower Upper

142 100

141 84.2 68.7 103.1

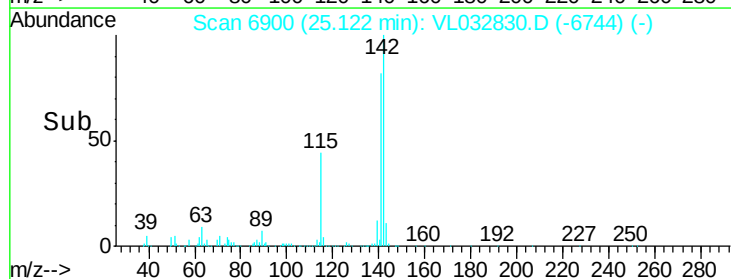
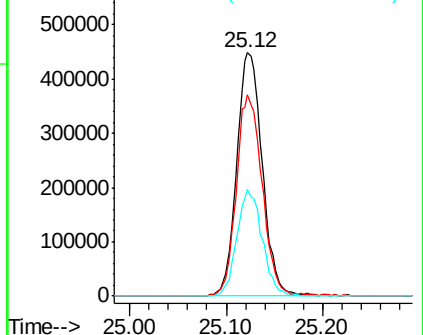
115 43.3 35.5 53.3

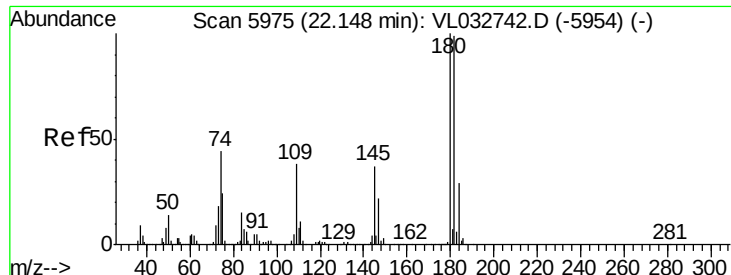


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.831 ppbv
 RT: 22.15 min Scan# 5975
 Delta R.T. -0.00 min
 Lab File: VL032830.D
 Acq: 29 Nov 2018 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.3	115.9
184	30.0	24.2	36.4

Manual Integrations
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 12/4/2018 8:38:21 AM

