

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
 Data File : VL032451.D
 Acq On : 31 Aug 2018 22:16
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

apatel
 9/4/2018 8:27:00 AM

Quant Time: Sep 01 03:54:05 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31

QLast Update : Fri Aug 31 21:33:46 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	1485494	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3390262	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	3353585m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	2373269	9.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.11	85	1248434	6.570	ppbv	100
3) Chlorodifluoromethane	3.04	51	1317069	9.795	ppbv	96
4) Chloromethane	3.20	50	787756	9.675	ppbv	100
5) Vinyl Chloride	3.32	62	744405	9.263	ppbv	100
6) Bromomethane	3.55	94	416424	9.871	ppbv	99
7) Chloroethane	3.63	64	262387	9.433	ppbv	100
8) Dichlorotetrafluoroethane	3.25	85	1540690	9.136	ppbv	93
9) Propene	3.06	41	708612	13.064	ppbv	98
10) Heptane	8.30	43	2244494	11.534	ppbv	98
11) Trichlorofluoromethane	4.04	101	1483214	8.657	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.59	101	1047604	9.023	ppbv	93
13) Ethanol	3.68	45	176013	10.410	ppbv	98
14) Bromoethene	3.82	108	510375	10.376	ppbv	99
15) Acetone	3.94	43	1251128	9.353	ppbv	99
16) 1,3-Butadiene	3.39	39	615443	9.777	ppbv	96
17) tert-Butyl alcohol	4.40	59	268795	13.057	ppbv #	100
18) 1,1-Dichloroethene	4.39	96	524222	9.880	ppbv	96
19) Isopropyl Alcohol	4.06	45	1048760	11.951	ppbv #	10
20) Methylene Chloride	4.45	84	455886	8.938	ppbv	94
21) Allyl Chloride	4.51	41	963363	10.843	ppbv	99
22) trans-1,2-Dichloroethene	5.00	96	538789	9.358	ppbv	97
23) Vinyl Acetate	5.20	43	2545445	11.480	ppbv	99
24) 1,1-Dichloroethane	5.13	63	1604683	8.783	ppbv	99
25) Ethyl Acetate	5.81	43	3249757	10.287	ppbv	100
26) Hexane	5.82	57	1440354	10.183	ppbv	95
27) Carbon Disulfide	4.66	76	1308080	10.018	ppbv	99
28) Methyl tert-Butyl Ether	5.15	73	1974997	11.372	ppbv	99
29) Chloroform	5.89	83	1992040	9.236	ppbv	99
30) Cyclohexane	7.30	84	1251790	12.086	ppbv	99
31) cis-1,2-Dichloroethene	5.68	61	1479338	11.550	ppbv	94
32) 1,1,1-Trichloroethane	6.67	97	1959702	9.748	ppbv	96
34) 2-Butanone	5.37	43	2288689	10.163	ppbv	100
35) Carbon Tetrachloride	7.18	117	1885359	8.274	ppbv	98
36) Benzene	7.05	78	2988234	10.358	ppbv	99
37) 1,2-Dichloroethane	6.46	62	1485625	8.403	ppbv	97
38) Trichloroethene	8.01	130	1100655	10.043	ppbv	99
39) 1,2-Dichloropropane	7.79	63	1184530	9.596	ppbv	98
40) 1,4-Dioxane	8.00	88	436010	11.773	ppbv	74
41) Tetrahydrofuran	6.19	42	1417088	11.559	ppbv	98
42) Bromodichloromethane	7.97	83	2359110	9.674	ppbv	99
43) Methyl Methacrylate	8.19	69	1347573	11.010	ppbv	94

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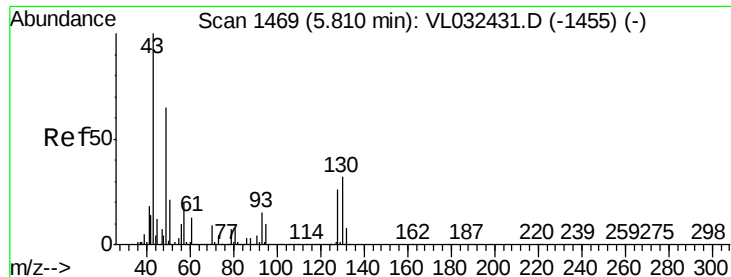
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31

QLast Update : Fri Aug 31 21:33:46 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.04	57	5542980	9.937	ppbv	99
45) t-1,3-Dichloropropene	9.47	75	1550509	11.838	ppbv	96
46) cis-1,3-Dichloropropene	8.89	75	2000898	11.955	ppbv	98
47) 1,1,2-Trichloroethane	9.67	97	1262826	9.622	ppbv	96
48) Dibromochloromethane	10.51	129	1781199	9.799	ppbv	100
49) Bromoform	13.26	173	1510122	9.558	ppbv	100
50) 4-Methyl-2-Pentanone	8.92	43	3455404	10.186	ppbv	99
51) 2-Hexanone	10.32	43	2524042	11.551	ppbv #	99
52) Tetrachloroethene	11.43	164	910785	10.181	ppbv	96
53) Toluene	10.00	91	3318837	11.005	ppbv	99
54) 1,2-Dibromoethane	10.81	107	1914110	10.863	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.33	131	1291030	8.539	ppbv	97
57) Chlorobenzene	12.36	112	2407449	8.982	ppbv	97
58) Ethyl Benzene	12.92	91	4483984	11.173	ppbv	100
59) m/p-Xylene	13.20	91	7032661m	19.656	ppbv	
60) o-Xylene	13.91	91	3366362	9.578	ppbv	98
61) Styrene	13.74	104	2805684	12.331	ppbv	97
62) Isopropylbenzene	14.88	105	4910004	9.938	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.89	83	2444144	7.778	ppbv	99
64) n-propylbenzene	15.78	120	1306797	10.118	ppbv	99
65) tert-Butylbenzene	16.96	119	4136121	9.715	ppbv	97
66) Benzyl Chloride	17.21	91	2810183	11.849	ppbv	98
67) sec-Butylbenzene	17.51	105	6218972	9.713	ppbv	99
69) p-Isopropyltoluene	17.87	119	4978303	10.033	ppbv	98
70) n-Butylbenzene	18.76	91	5386912	9.577	ppbv	99
71) 2-Chlorotoluene	15.67	91	3896091	10.322	ppbv	100
72) 4-Ethyltoluene	16.05	105	4164239	10.852	ppbv	99
73) 1,3,5-Trimethylbenzene	16.21	105	3913381	10.180	ppbv	100
74) 1,2,4-Trimethylbenzene	16.98	105	3839679	9.136	ppbv	92
75) 1,3-Dichlorobenzene	17.22	146	2162937	8.673	ppbv	99
76) 1,4-Dichlorobenzene	17.36	146	2225130	9.617	ppbv	100
77) 1,2-Dichlorobenzene	18.04	146	2193319	9.116	ppbv	99
78) Hexachloro-1,3-Butadiene	23.59	225	707005	7.864	ppbv	99
79) Naphthalene	22.47	128	3854938	11.279	ppbv	98
80) Naphthalene,2-methyl-	25.15	142	1740291	19.137	ppbv	99
81) 1,2,4-Trichlorobenzene	22.20	180	1767953	10.271	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.81 min Scan# 1468

Delta R.T. -0.00 min

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VSTDCCC010EC

Tgt Ion: 49 Resp: 1485494

Ion Ratio Lower Upper

49 100

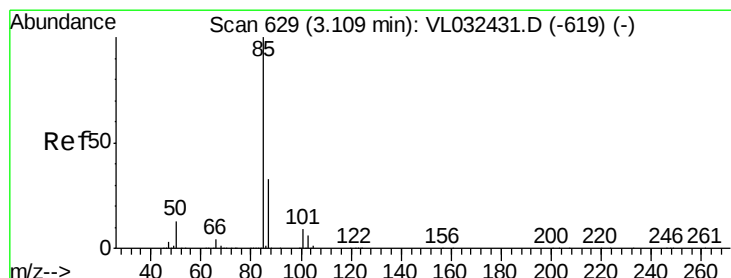
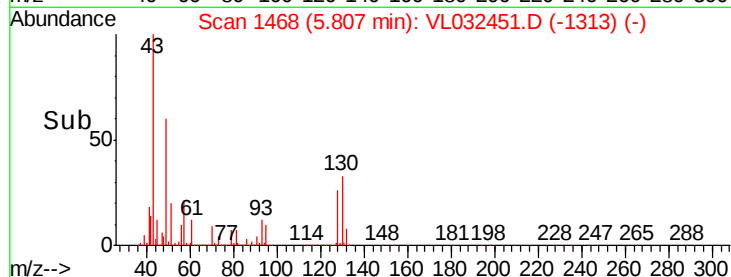
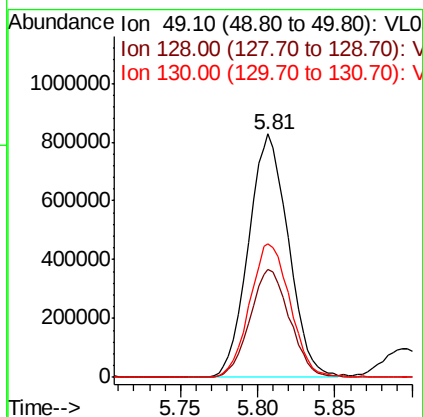
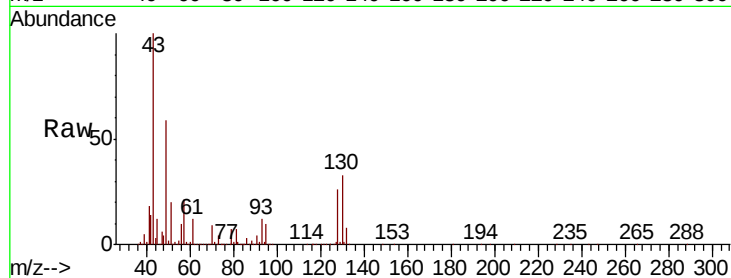
128 44.5 20.7 62.1

130 56.0 26.6 79.7

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#2

Dichlorodifluoromethane

Concen: 6.570 ppbv

RT: 3.11 min Scan# 628

Delta R.T. -0.00 min

Lab File: VL032451.D

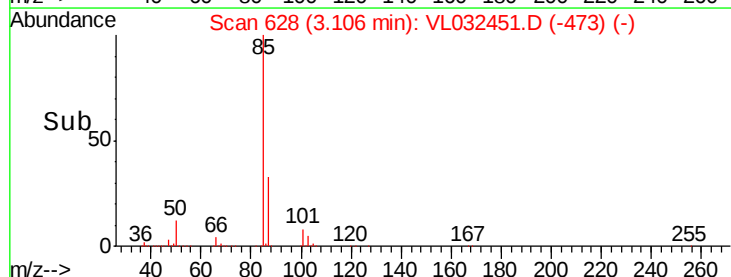
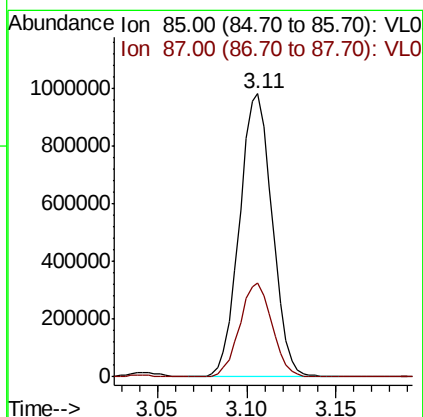
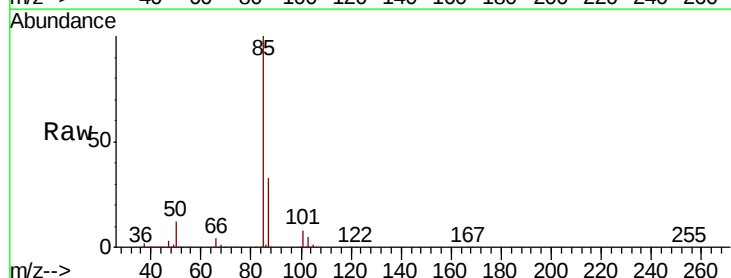
Acq: 31 Aug 2018 22:16

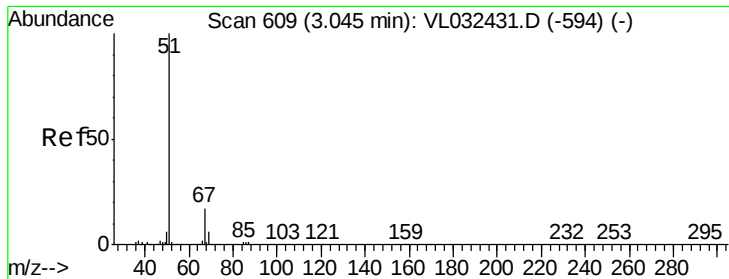
Tgt Ion: 85 Resp: 1248434

Ion Ratio Lower Upper

85 100

87 33.1 26.2 39.4





#3

Chlorodifluoromethane

Concen: 9.795 ppbv

RT: 3.04 min Scan# 608

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 51 Resp: 1317069

Ion Ratio Lower Upper

51 100

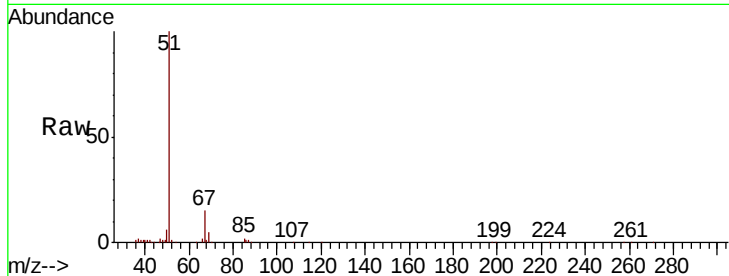
67 15.6 13.8 20.8

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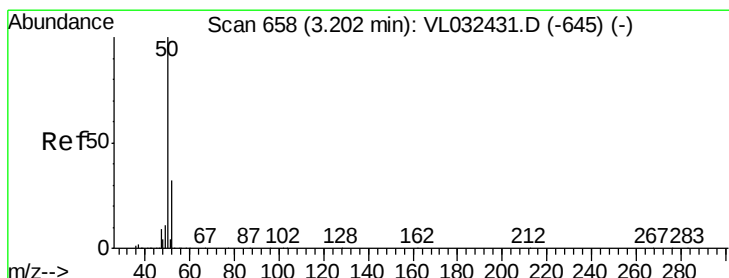
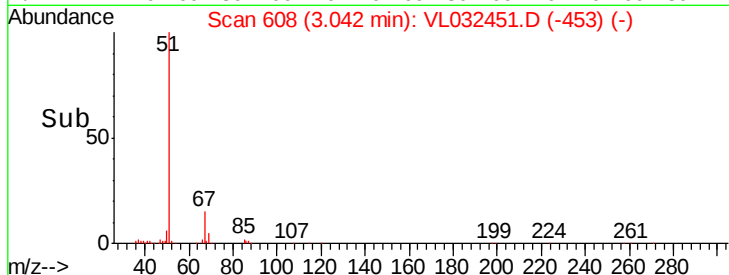
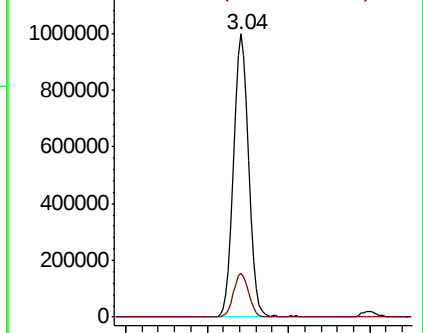
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.675 ppbv

RT: 3.20 min Scan# 657

Delta R.T. -0.00 min

Lab File: VL032451.D

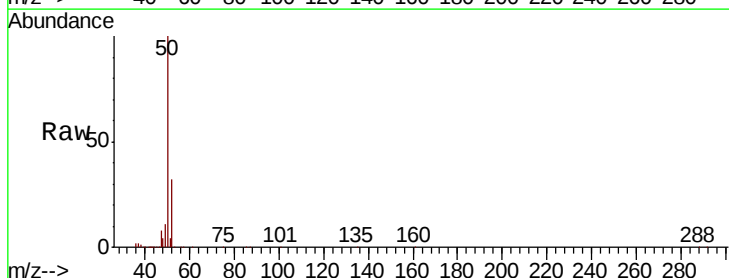
Acq: 31 Aug 2018 22:16

Tgt Ion: 50 Resp: 787756

Ion Ratio Lower Upper

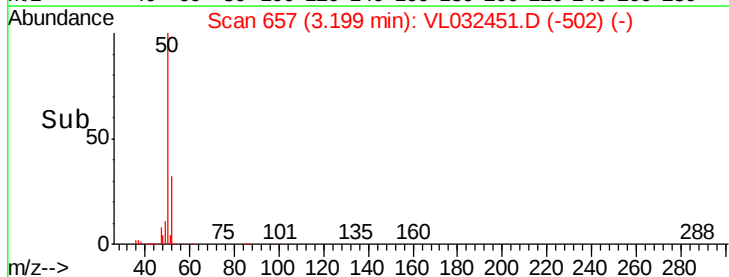
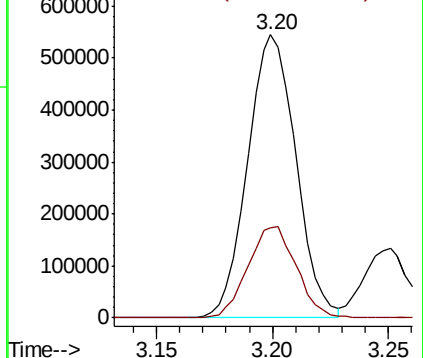
50 100

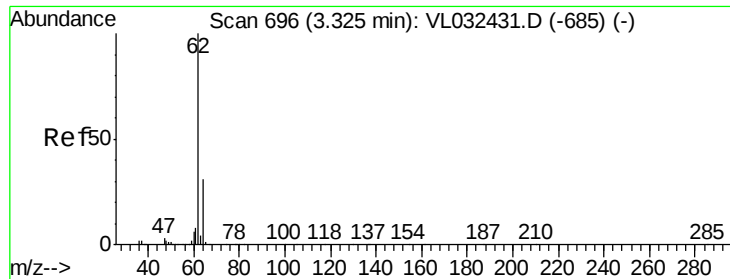
52 32.0 25.6 38.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.263 ppbv

RT: 3.32 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 62 Resp: 744405

Ion Ratio Lower Upper

62 100

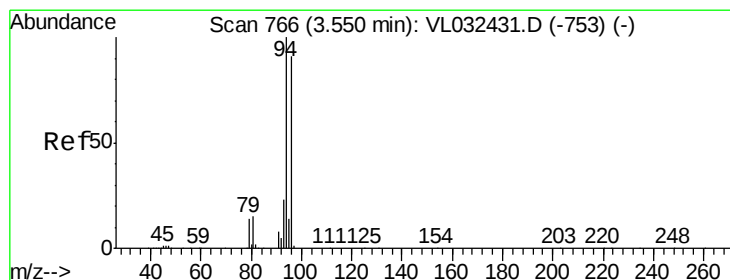
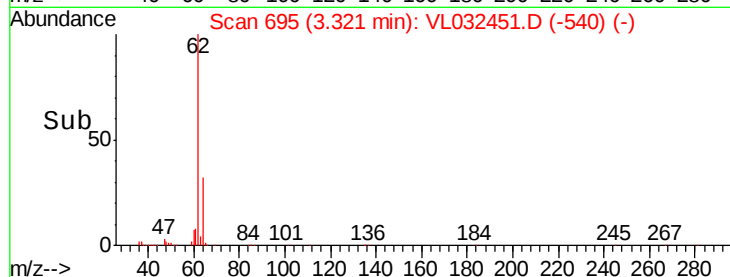
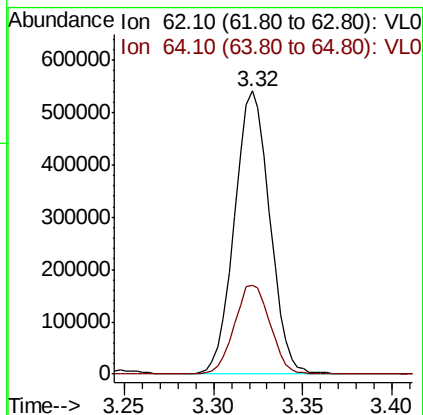
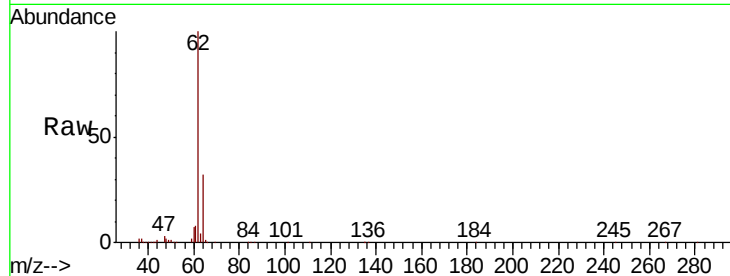
64 31.5 25.0 37.6

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#6

Bromomethane

Concen: 9.871 ppbv

RT: 3.55 min Scan# 765

Delta R.T. -0.00 min

Lab File: VL032451.D

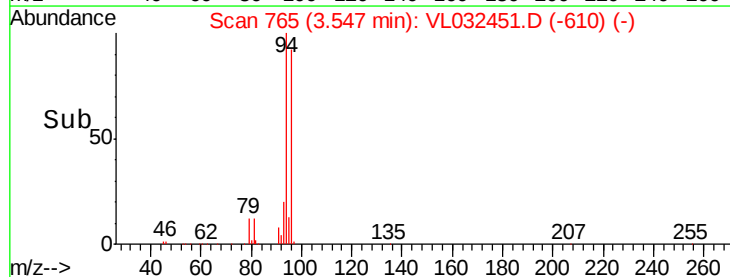
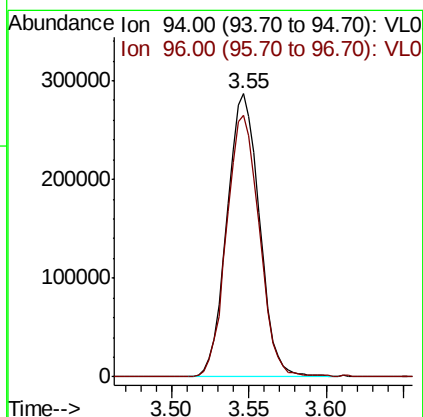
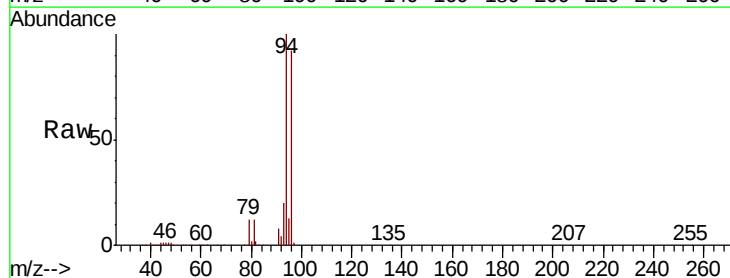
Acq: 31 Aug 2018 22:16

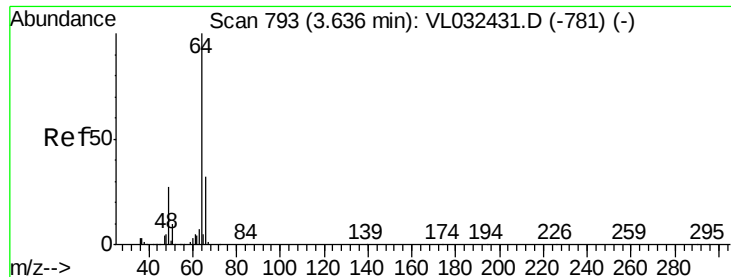
Tgt Ion: 94 Resp: 416424

Ion Ratio Lower Upper

94 100

96 92.2 72.8 109.2





#7

Chloroethane

Concen: 9.433 ppbv

RT: 3.63 min Scan# 792

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 64 Resp: 262387

Ion Ratio Lower Upper

64 100

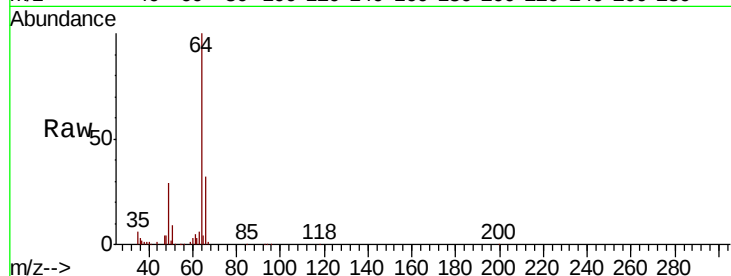
66 32.0 25.8 38.6

Manual Integrations

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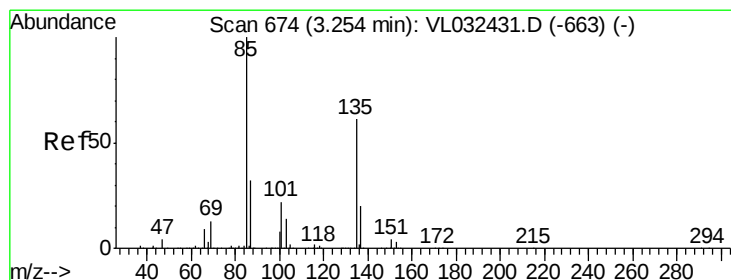
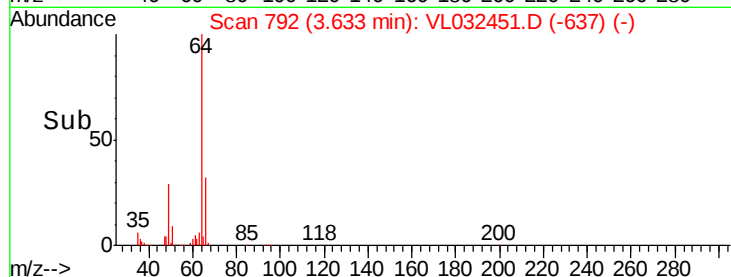
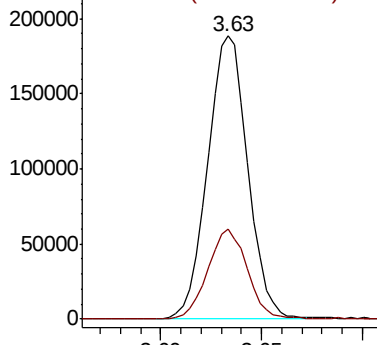
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.136 ppbv

RT: 3.25 min Scan# 673

Delta R.T. -0.00 min

Lab File: VL032451.D

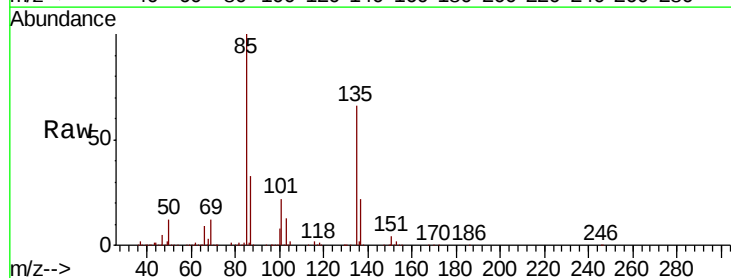
Acq: 31 Aug 2018 22:16

Tgt Ion: 85 Resp: 1540690

Ion Ratio Lower Upper

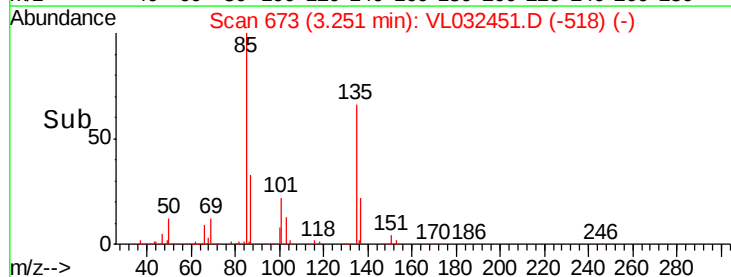
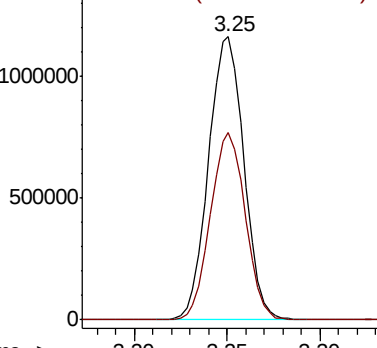
85 100

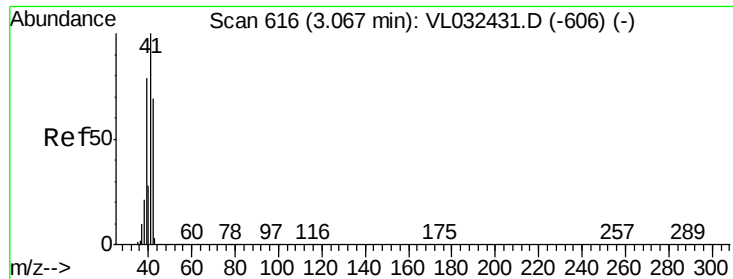
135 65.8 48.6 72.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 13.064 ppbv

RT: 3.06 min Scan# 615

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 41 Resp: 708612

Ion Ratio Lower Upper

41 100

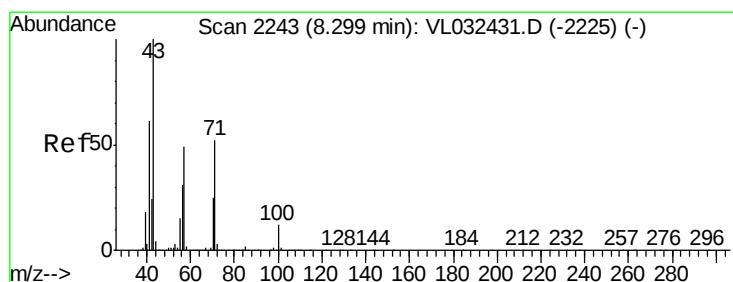
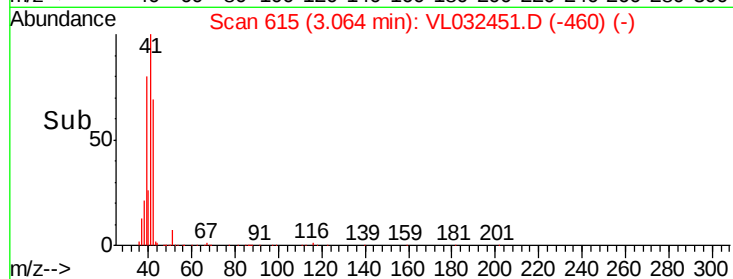
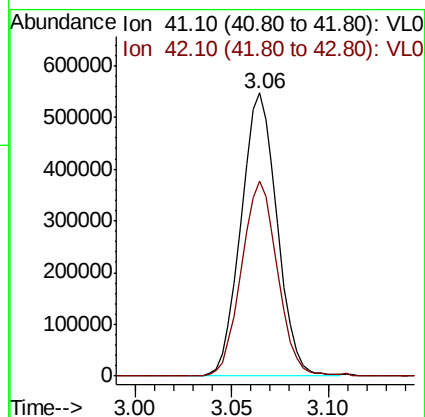
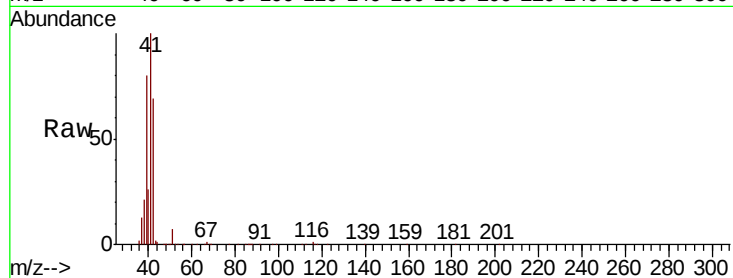
42 69.5 56.6 84.8

Manual Integrations

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#10

Heptane

Concen: 11.534 ppbv

RT: 8.30 min Scan# 2243

Delta R.T. 0.00 min

Lab File: VL032451.D

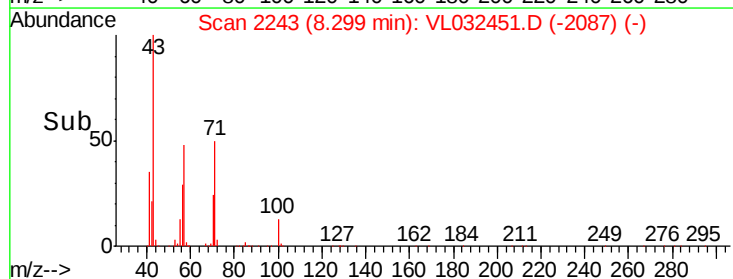
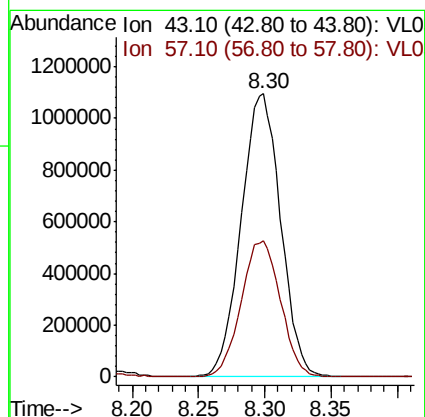
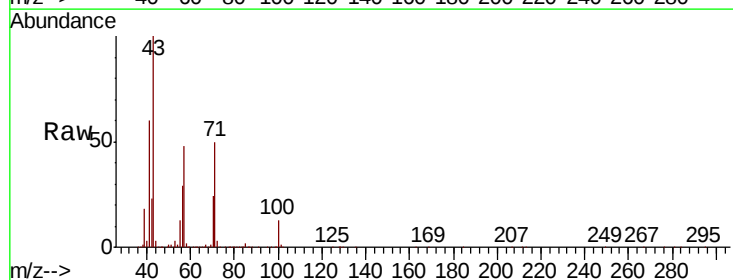
Acq: 31 Aug 2018 22:16

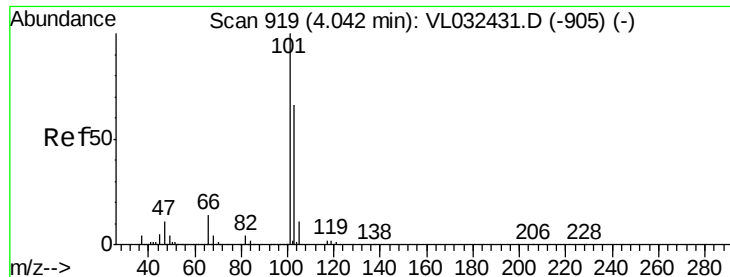
Tgt Ion: 43 Resp: 2244494

Ion Ratio Lower Upper

43 100

57 48.3 39.6 59.4





#11

Trichlorofluoromethane

Concen: 8.657 ppbv

RT: 4.04 min Scan# 918

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

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ClientSampleId :

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Tgt Ion:101 Resp: 1483214

Ion Ratio Lower Upper

101 100

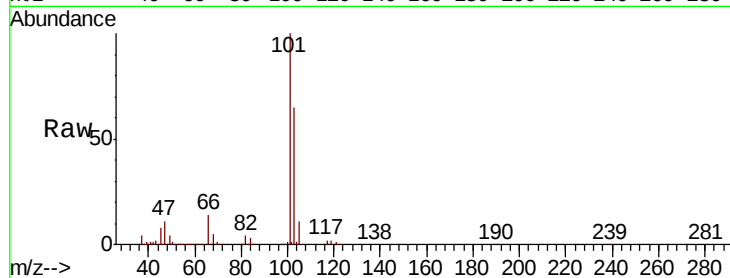
103 64.7 52.8 79.2

Manual Integrations

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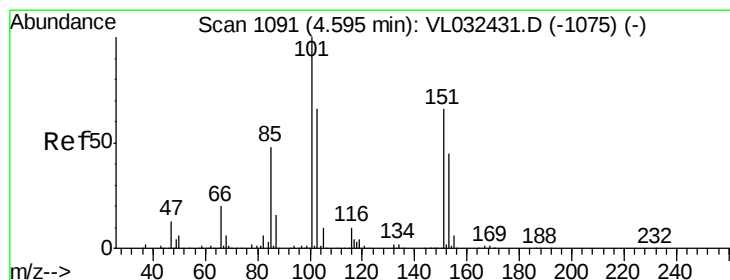
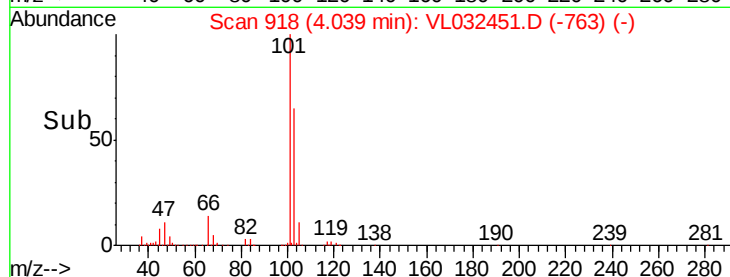
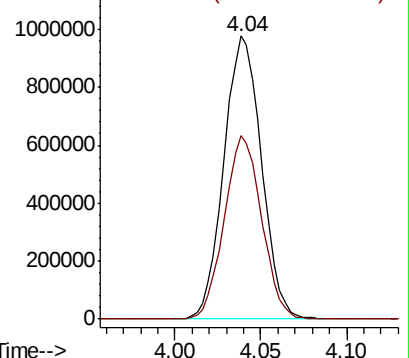
apatel

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.023 ppbv

RT: 4.59 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VL032451.D

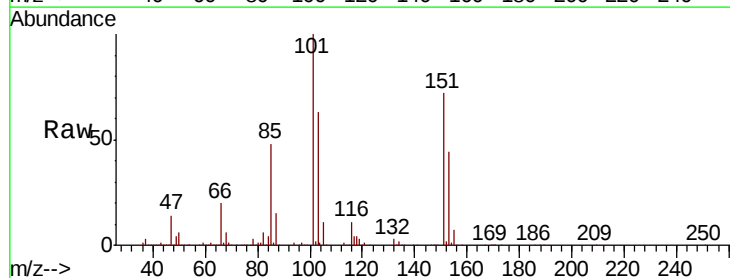
Acq: 31 Aug 2018 22:16

Tgt Ion:101 Resp: 1047604

Ion Ratio Lower Upper

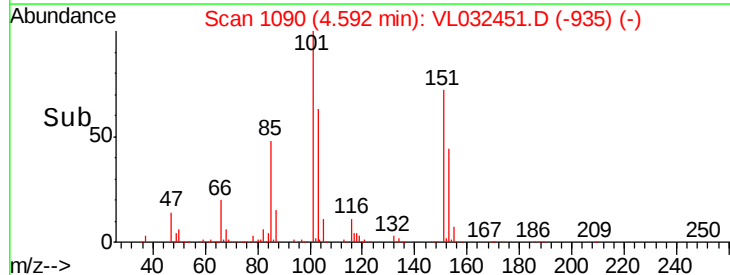
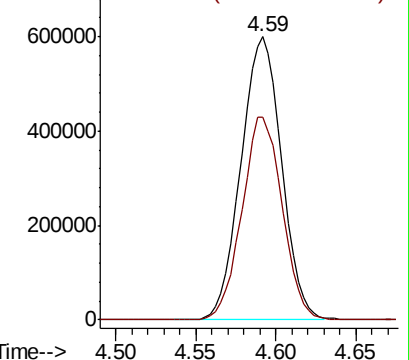
101 100

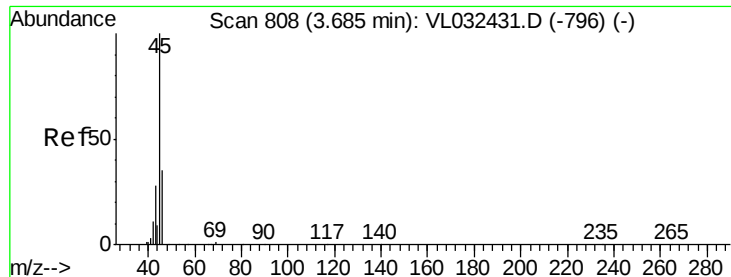
151 71.3 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





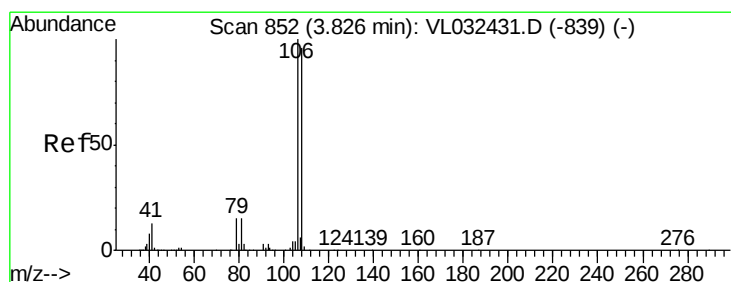
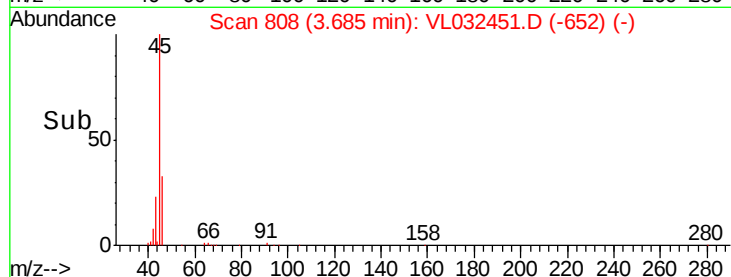
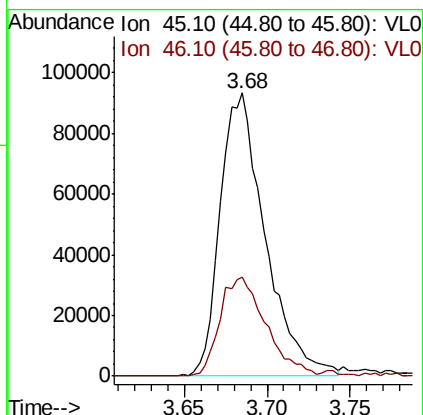
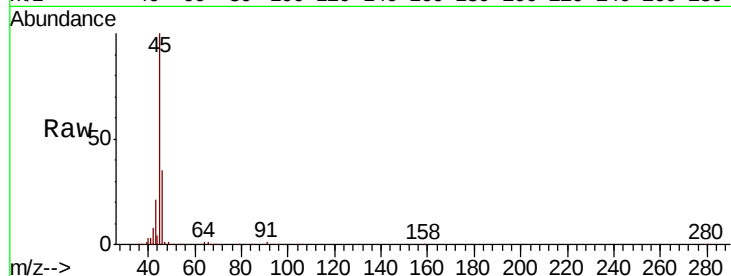
#13
Ethanol
Concen: 10.410 ppbv
RT: 3.68 min Scan# 808
Delta R.T. 0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 176013
Ion Ratio Lower Upper
45 100
46 36.5 14.2 56.8

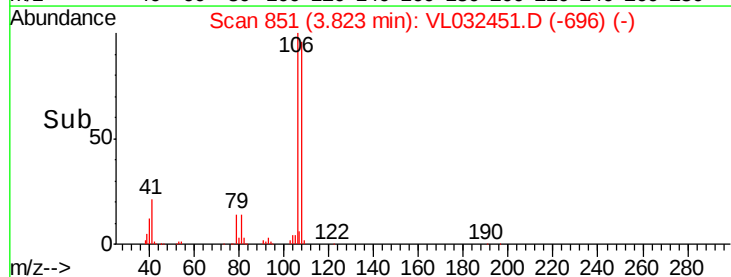
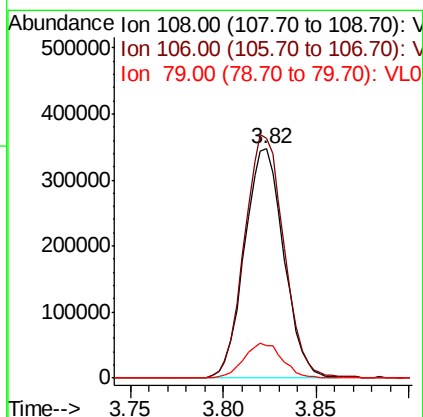
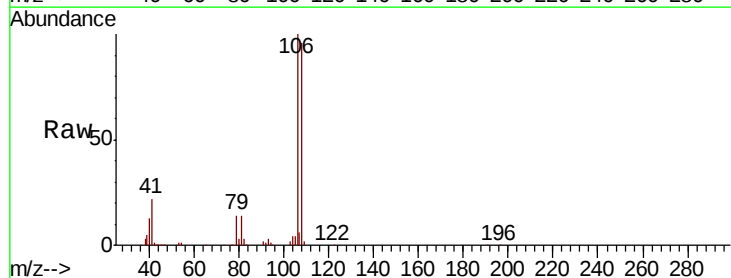
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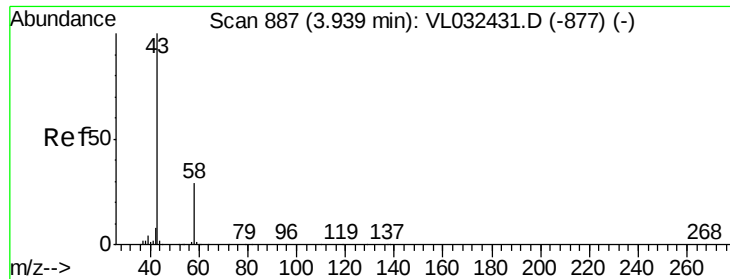
apatel
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#14
Bromoethene
Concen: 10.376 ppbv
RT: 3.82 min Scan# 851
Delta R.T. -0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Tgt Ion: 108 Resp: 510375
Ion Ratio Lower Upper
108 100
106 107.2 85.5 128.3
79 15.2 13.0 19.6





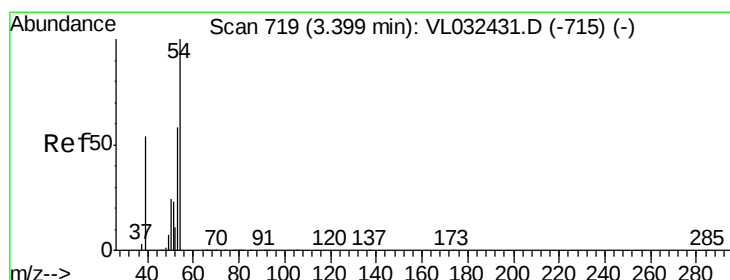
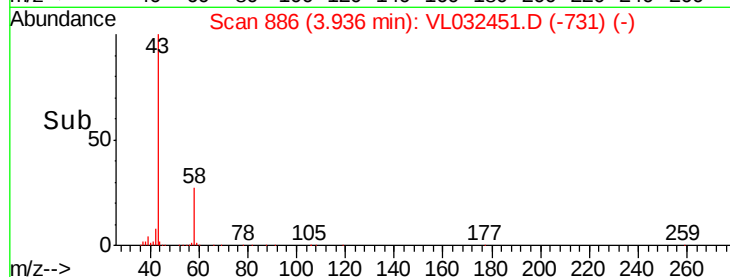
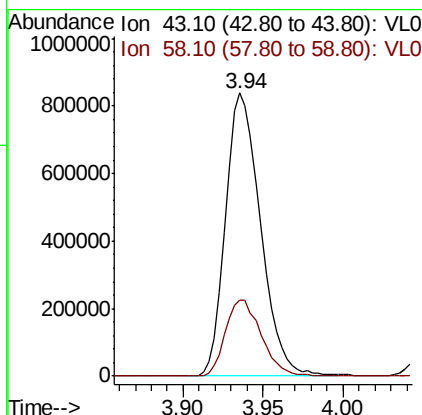
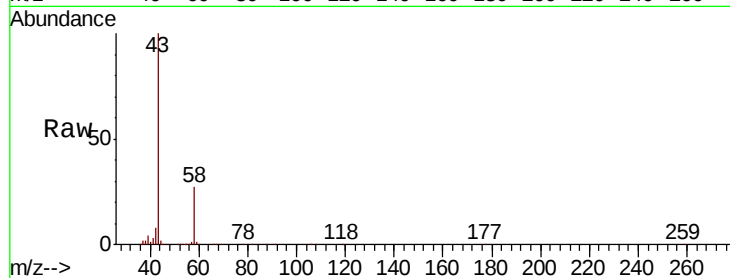
#15
Acetone
Concen: 9.353 ppbv
RT: 3.94 min Scan# 886
Delta R.T. -0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1251128
Ion Ratio Lower Upper
43 100
58 27.7 22.6 33.8

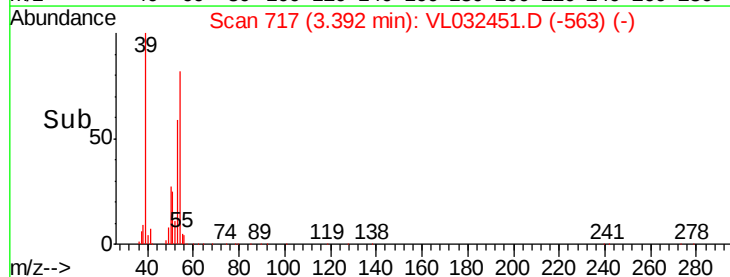
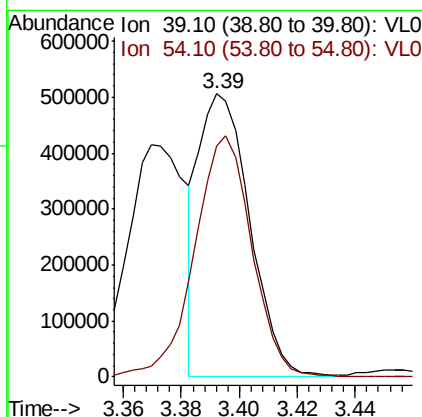
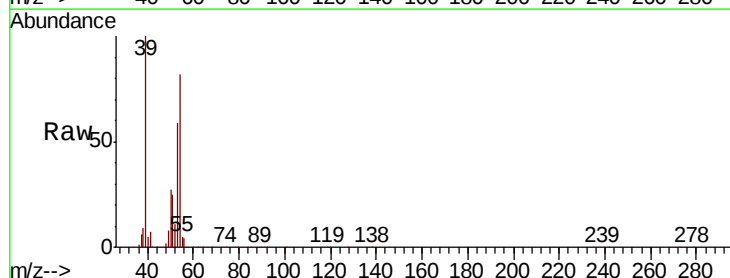
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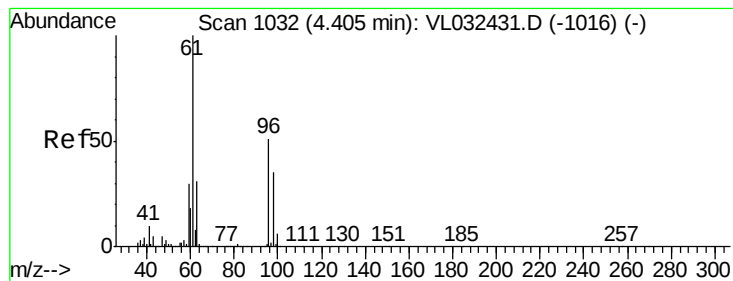
apatel
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#16
1,3-Butadiene
Concen: 9.777 ppbv
RT: 3.39 min Scan# 717
Delta R.T. -0.01 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Tgt Ion: 39 Resp: 615443
Ion Ratio Lower Upper
39 100
54 96.7 80.8 121.2





#17

tert-Butyl alcohol

Concen: 13.057 ppbv

RT: 4.40 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 59 Resp: 268795
Ion Ratio Lower Upper

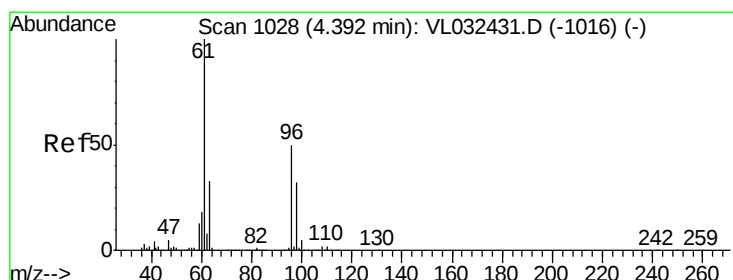
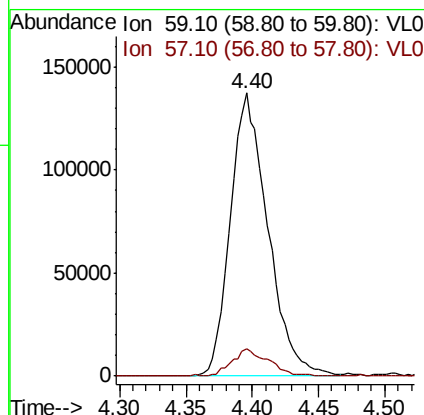
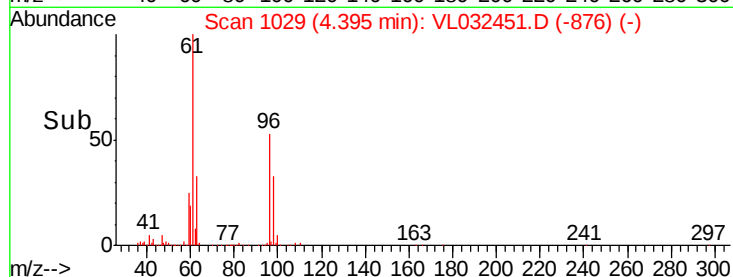
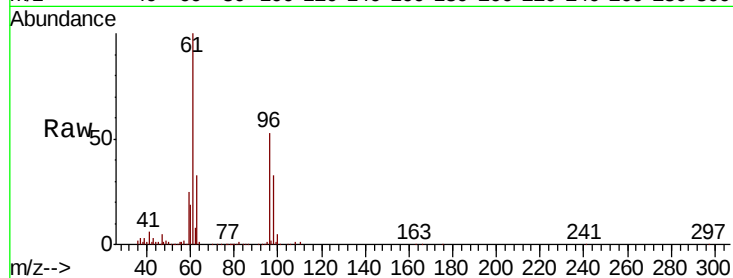
59 100

57 9.7 0.0 0.0#

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#18

1,1-Dichloroethene

Concen: 9.880 ppbv

RT: 4.39 min Scan# 1027

Delta R.T. -0.00 min

Lab File: VL032451.D

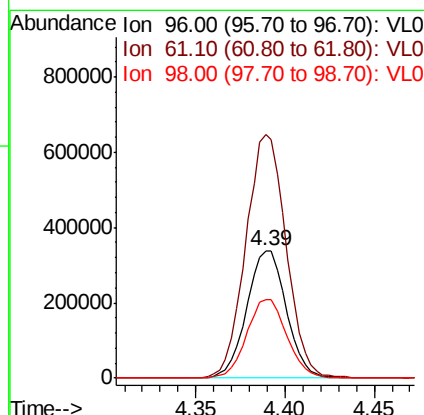
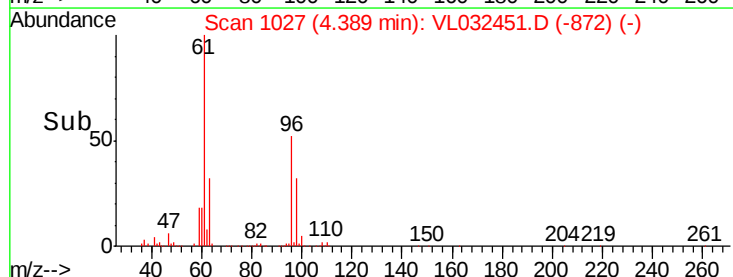
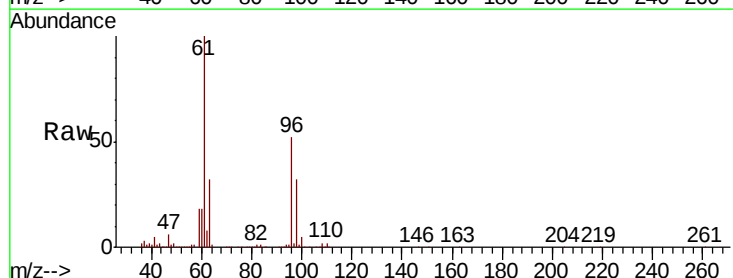
Acq: 31 Aug 2018 22:16

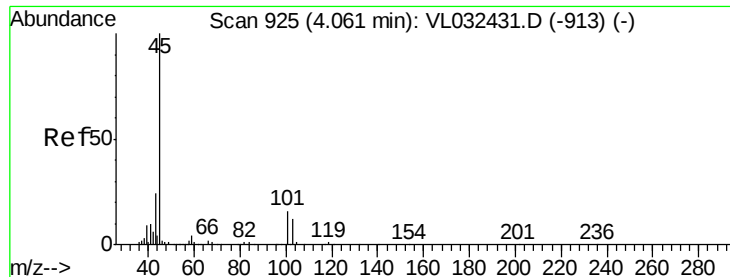
Tgt Ion: 96 Resp: 524222
Ion Ratio Lower Upper

96 100

61 191.4 159.2 238.8

98 61.9 51.0 76.4





#19

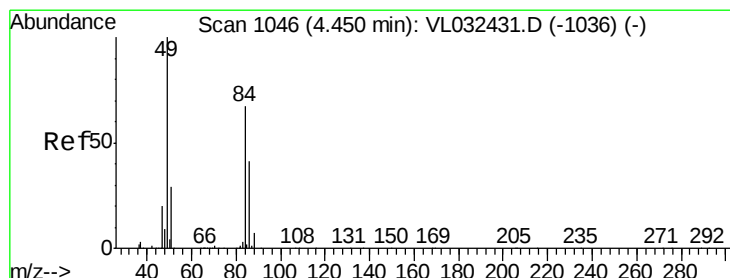
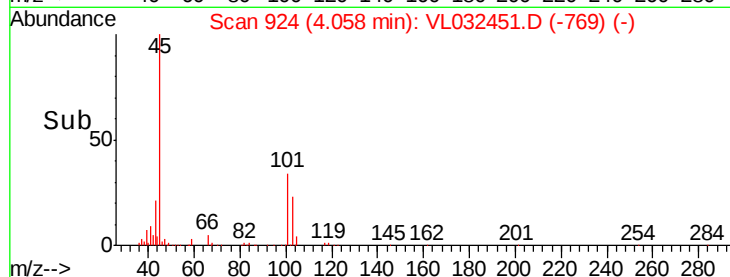
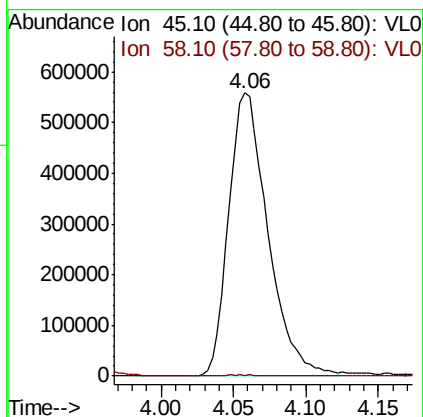
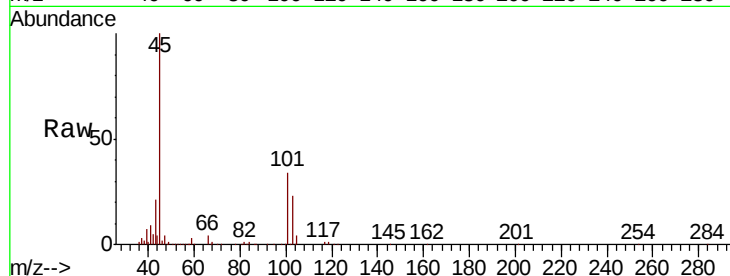
Isopropyl Alcohol
 Concen: 11.951 ppbv
 RT: 4.06 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 45 Resp: 1048760
 Ion Ratio Lower Upper
 45 100
 58 33.1 2.0 3.0#

Manual Integrations
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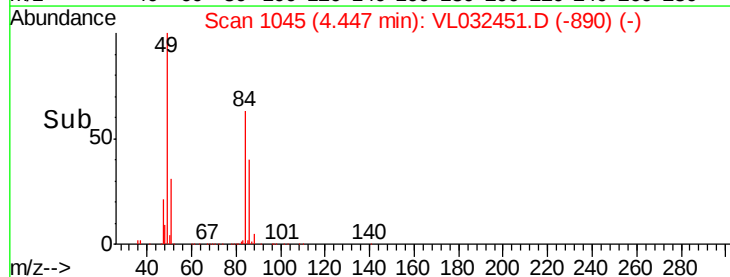
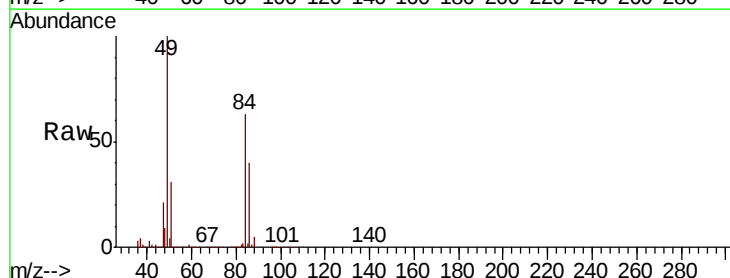
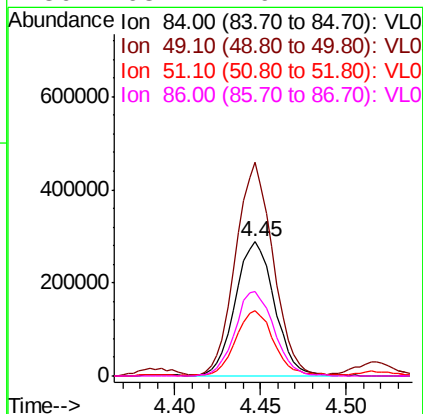
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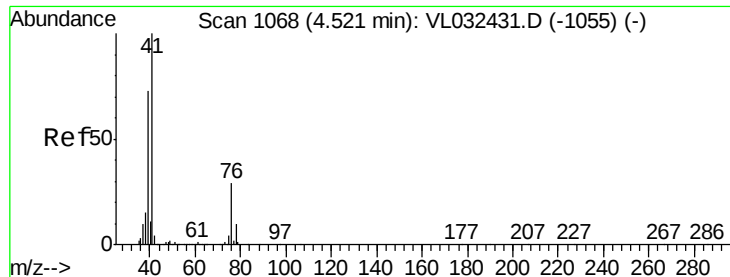


#20

Methylene Chloride
 Concen: 8.938 ppbv
 RT: 4.45 min Scan# 1045
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Tgt Ion: 84 Resp: 455886
 Ion Ratio Lower Upper
 84 100
 49 158.2 119.1 178.7
 51 48.6 35.2 52.8
 86 63.4 49.4 74.2





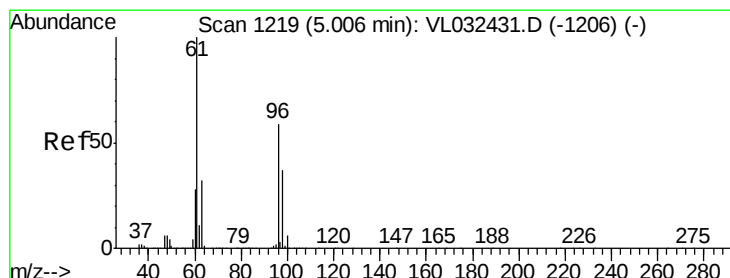
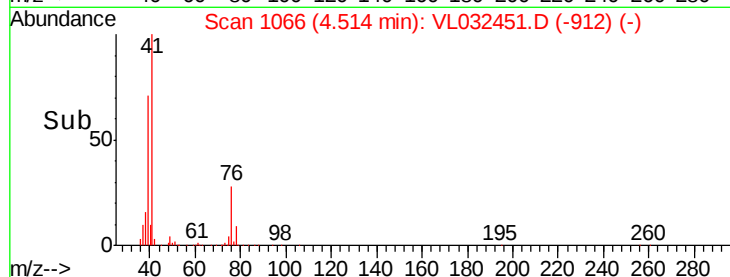
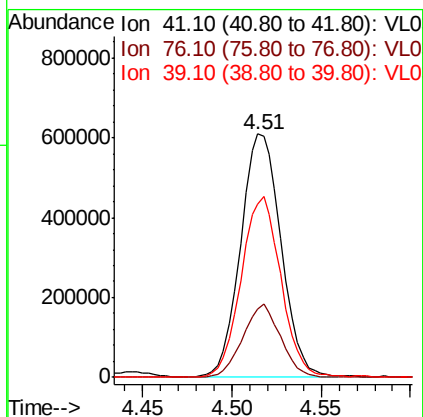
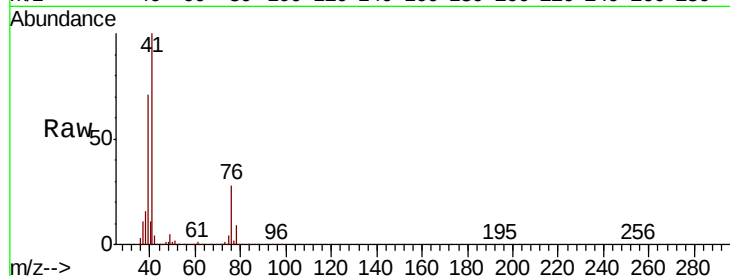
#21
 Allyl Chloride
 Concen: 10.843 ppbv
 RT: 4.51 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:	41	Resp:	963363
Ion Ratio		Lower	Upper
41	100		
76	28.4	23.6	35.4
39	73.1	57.7	86.5

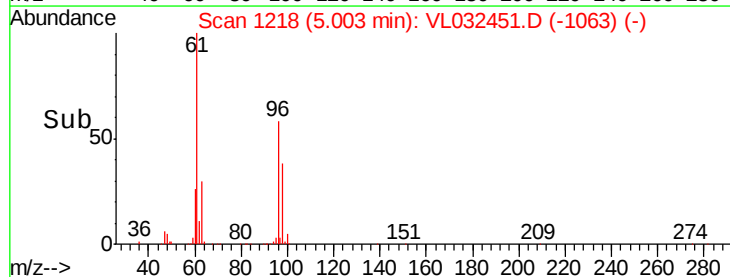
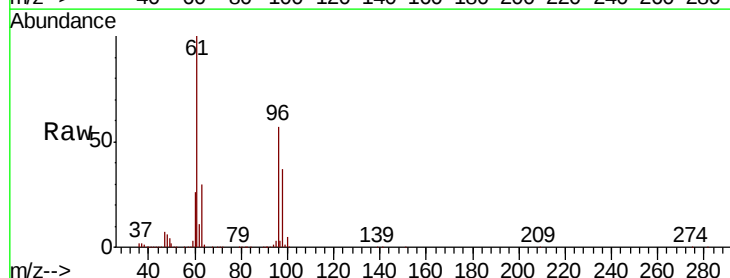
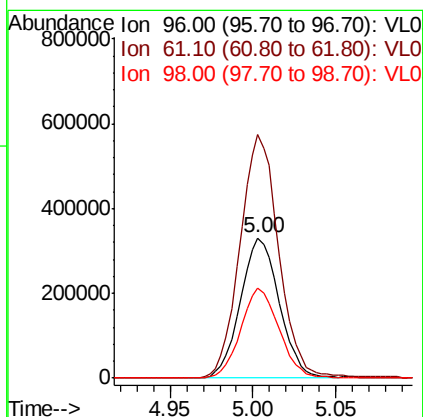
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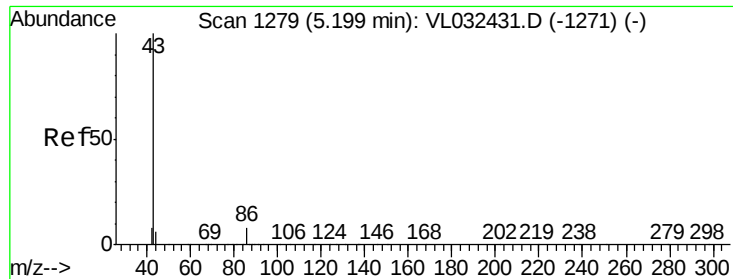
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#22
 trans-1,2-Dichloroethene
 Concen: 9.358 ppbv
 RT: 5.00 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Tgt Ion:	96	Resp:	538789
Ion Ratio		Lower	Upper
96	100		
61	173.9	136.2	204.4
98	64.6	50.4	75.6





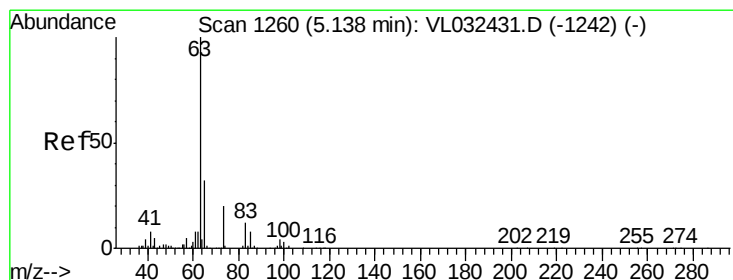
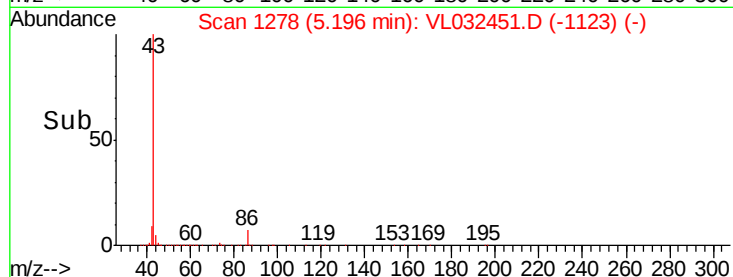
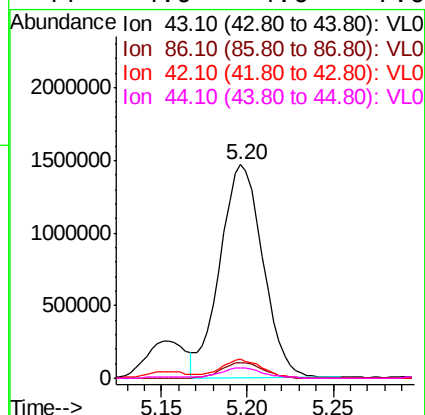
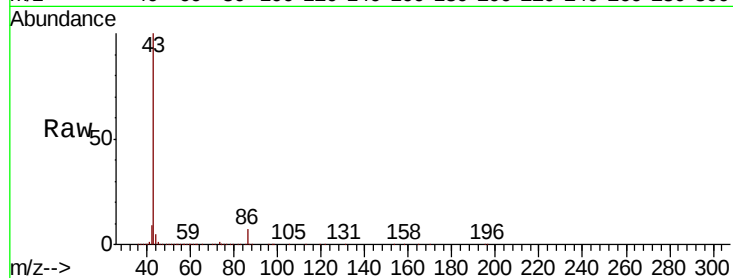
#23
 Vinyl Acetate
 Concen: 11.480 ppbv
 RT: 5.20 min Scan# 1278
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.9	8.9
42	8.7	6.9	10.3
44	4.9	4.6	7.0

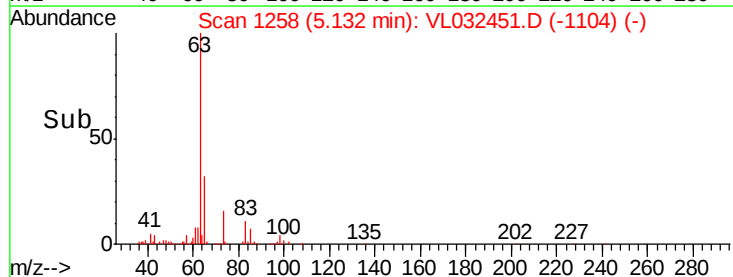
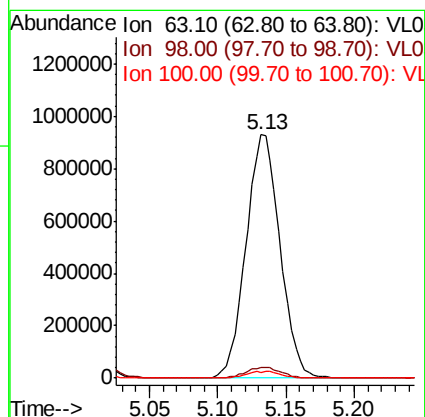
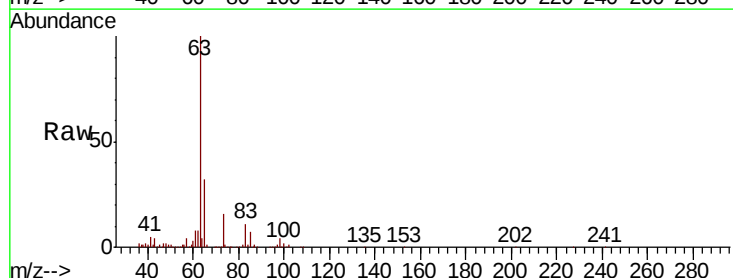
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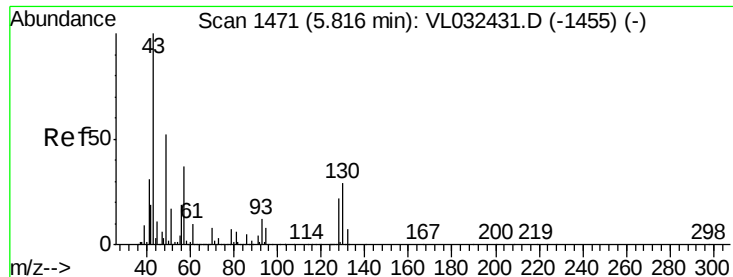
apatel
 9/4/2018 8:27:00 AM



#24
 1,1-Dichloroethane
 Concen: 8.783 ppbv
 RT: 5.13 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.5
100	2.5	1.5	4.4





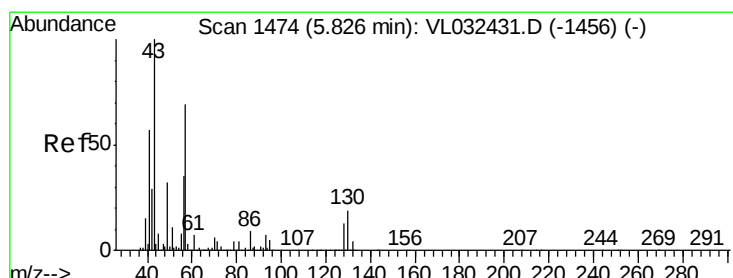
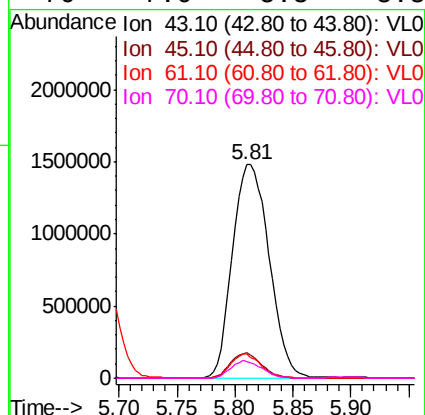
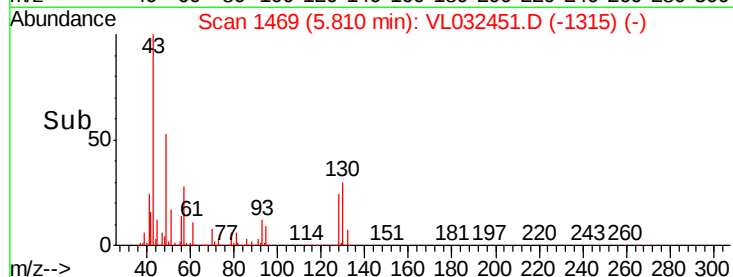
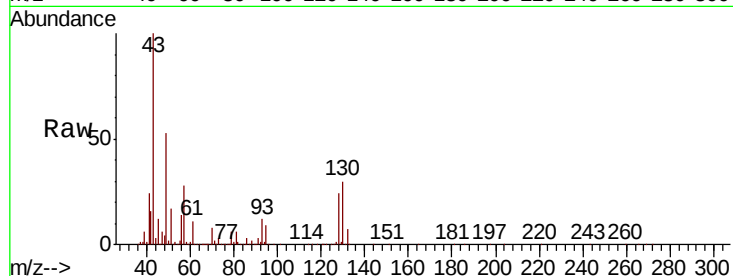
#25
Ethyl Acetate
Concen: 10.287 ppbv
RT: 5.81 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.3	7.6	11.4
70	7.0	5.8	8.8

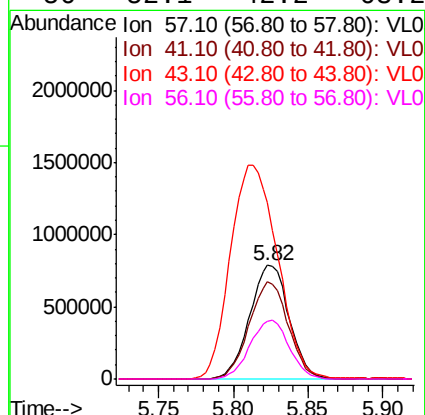
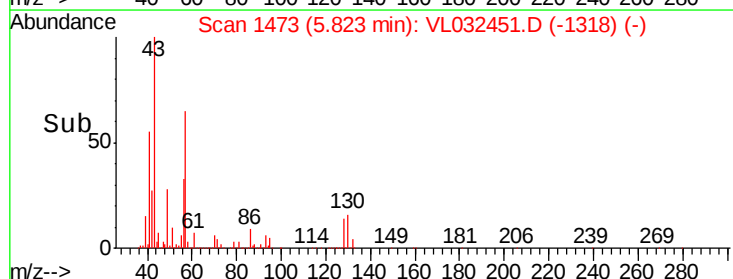
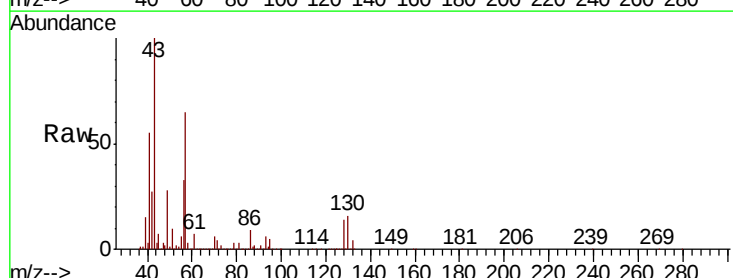
Manual Integrations
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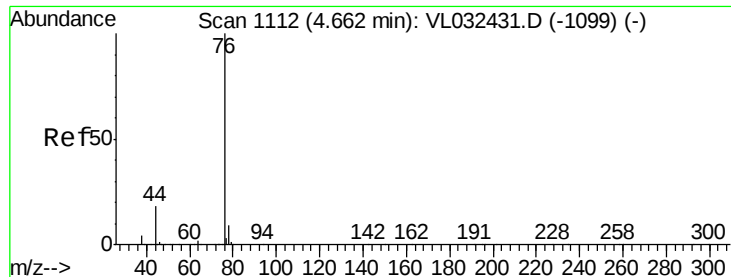
apatel
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#26
Hexane
Concen: 10.183 ppbv
RT: 5.82 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Tgt Ion	Ratio	Lower	Upper
57	100		
41	85.2	69.0	103.4
43	226.7	172.1	258.1
56	52.1	42.2	63.2





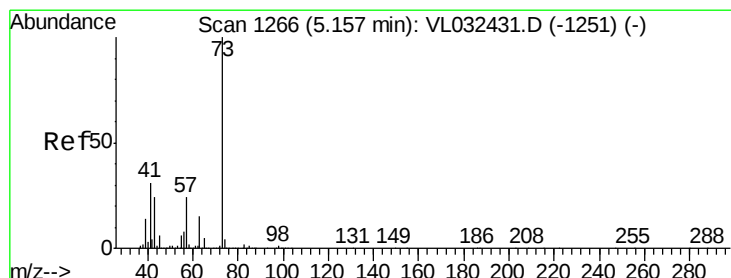
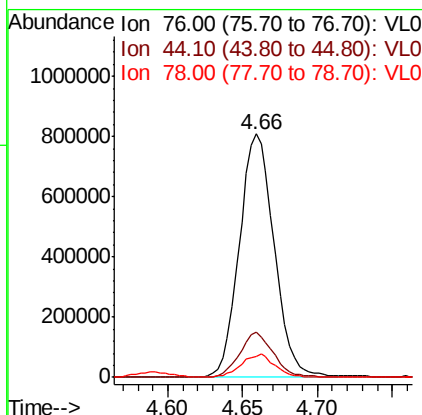
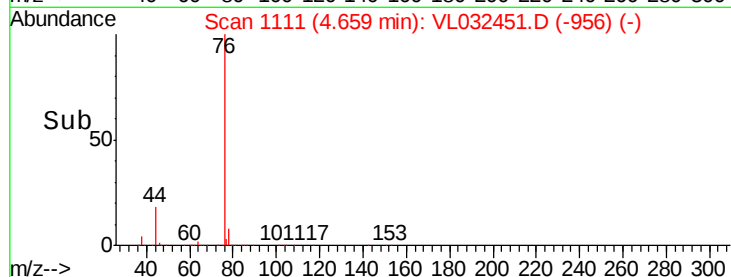
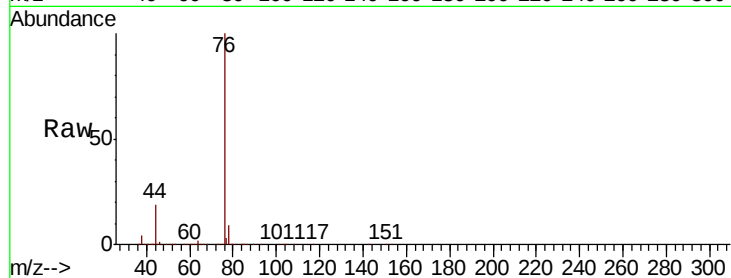
#27
Carbon Disulfide
Concen: 10.018 ppbv
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
76	100		
44	18.1	14.0	21.0
78	9.1	7.5	11.3

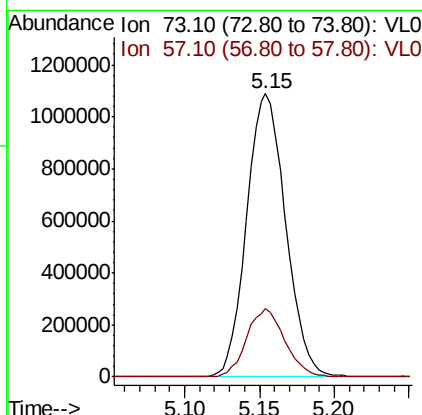
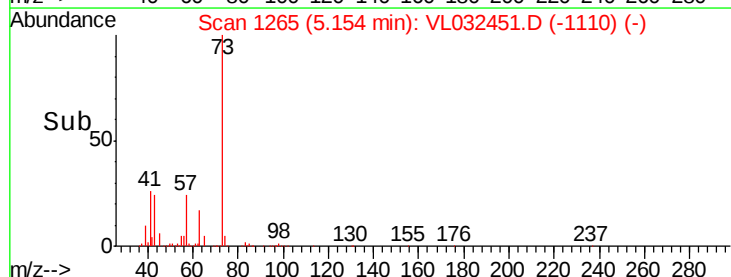
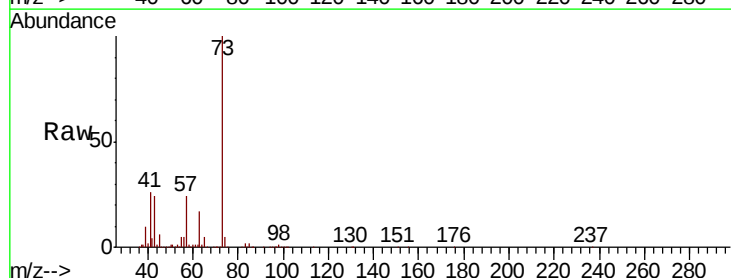
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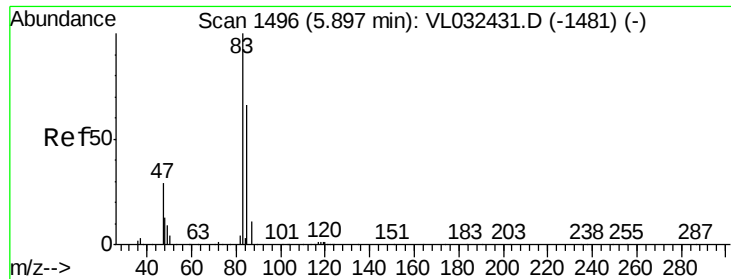
apatel
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#28
Methyl tert-Butyl Ether
Concen: 11.372 ppbv
RT: 5.15 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.7	19.3	28.9





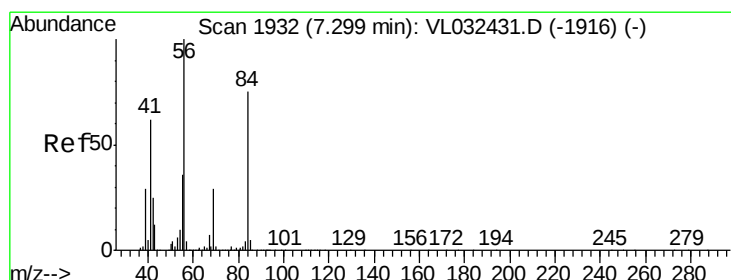
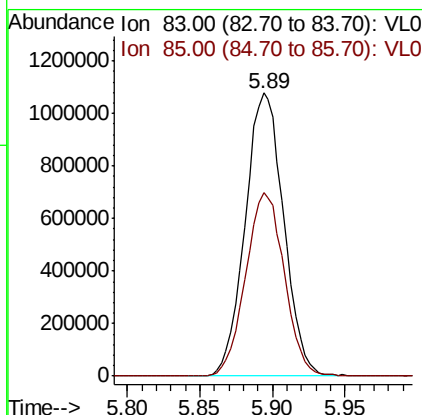
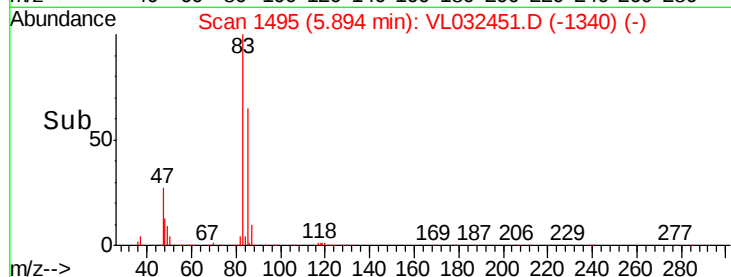
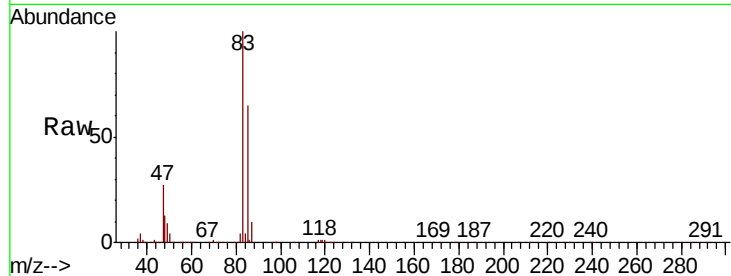
#29
Chloroform
Concen: 9.236 ppbv
RT: 5.89 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1992040
Ion Ratio Lower Upper
83 100
85 64.8 52.5 78.7

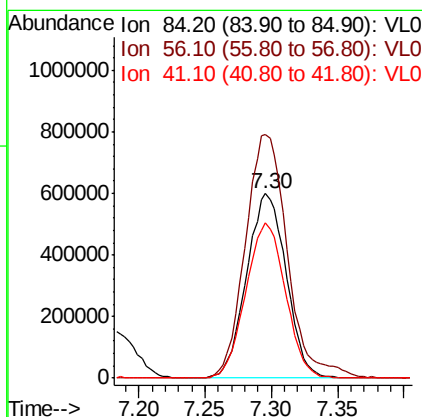
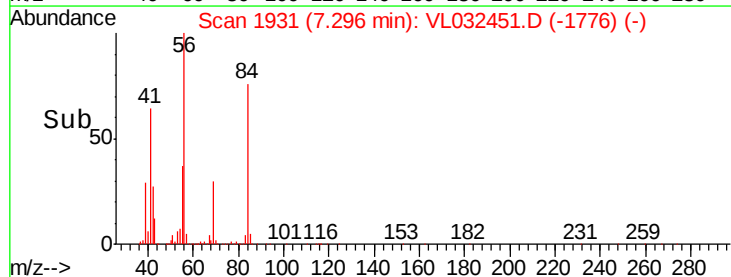
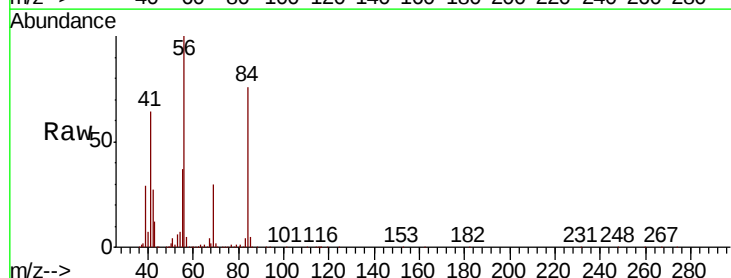
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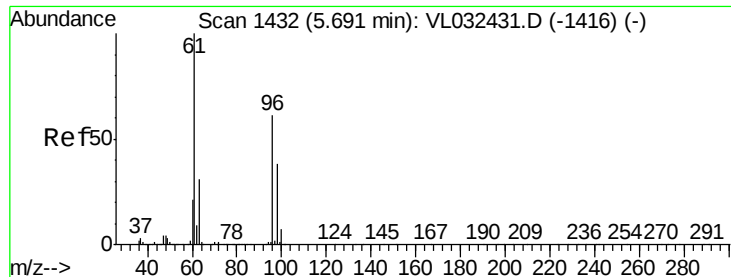
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#30
Cyclohexane
Concen: 12.086 ppbv
RT: 7.30 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Tgt Ion: 84 Resp: 1251790
Ion Ratio Lower Upper
84 100
56 140.1 113.5 170.3
41 84.0 68.1 102.1





#31

cis-1,2-Dichloroethene

Concen: 11.550 ppbv

RT: 5.68 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 61 Resp: 1479338

Ion Ratio Lower Upper

61 100

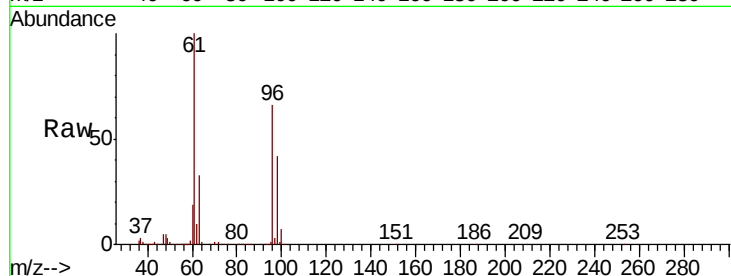
96 66.2 49.2 73.8

98 41.9 30.7 46.1

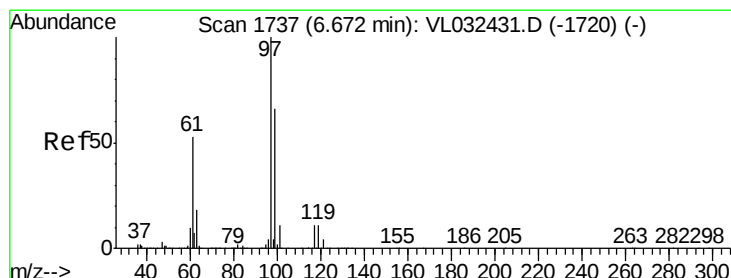
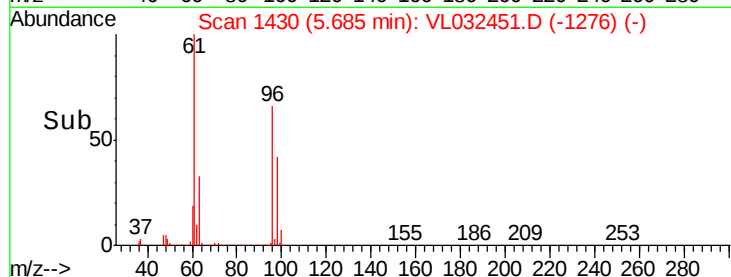
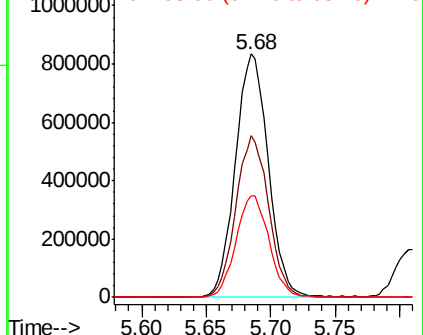
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Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.748 ppbv

RT: 6.67 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

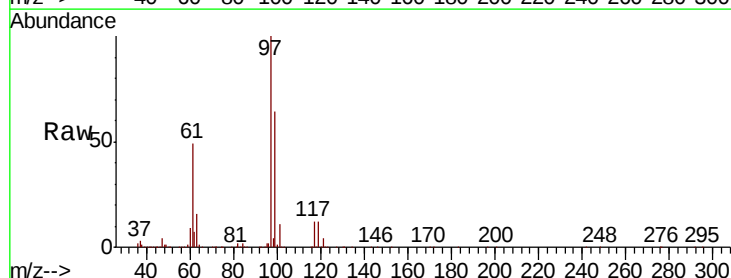
Tgt Ion: 97 Resp: 1959702

Ion Ratio Lower Upper

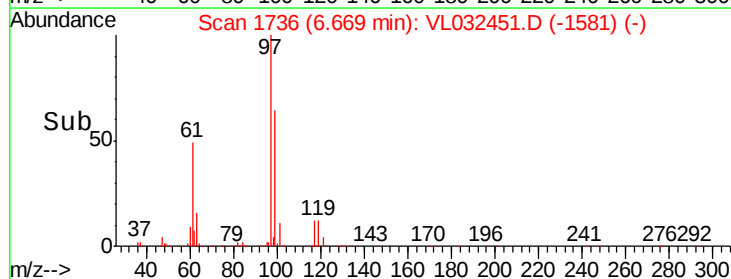
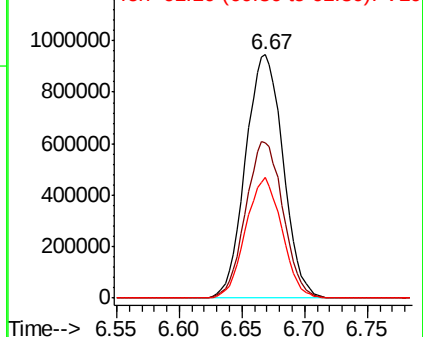
97 100

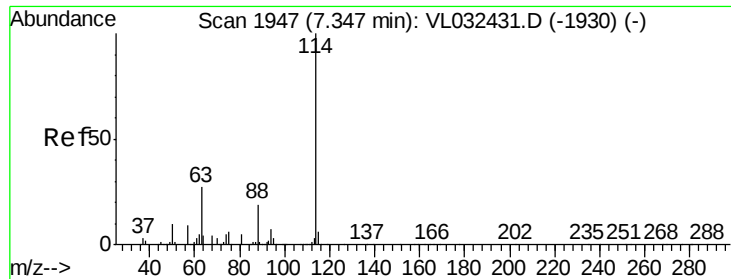
99 64.2 52.1 78.1

61 48.2 42.5 63.7



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





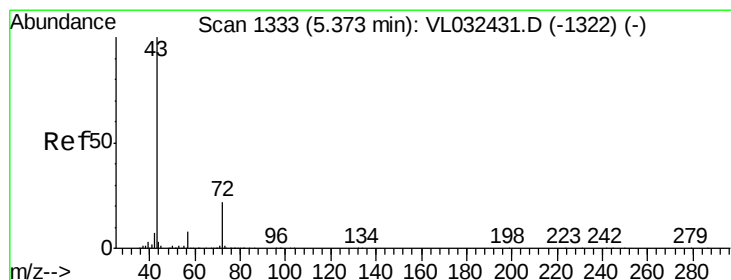
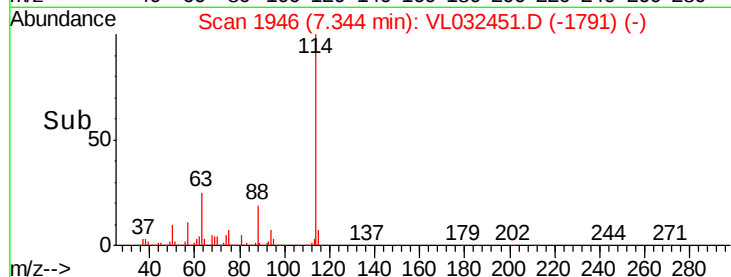
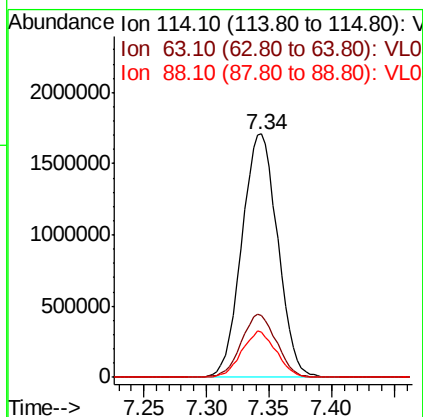
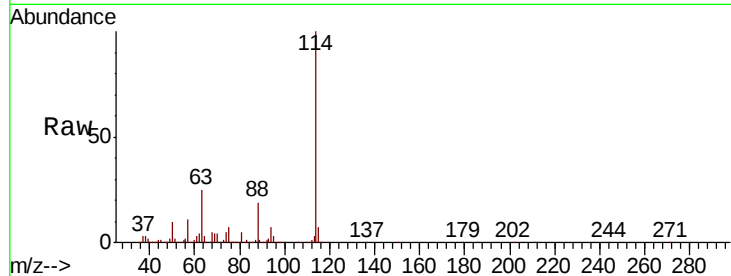
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.34 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.6	22.2	33.4
88	18.3	15.0	22.4

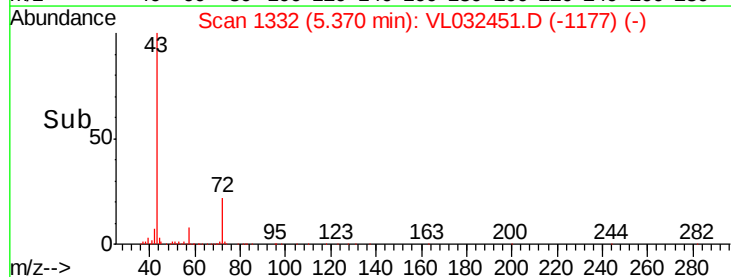
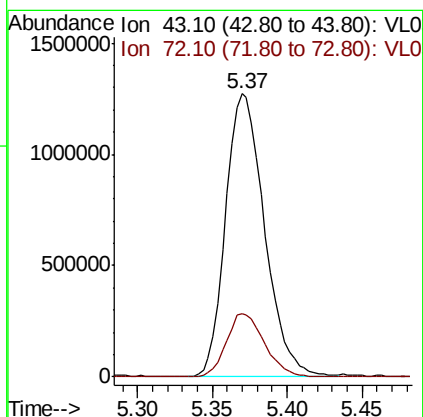
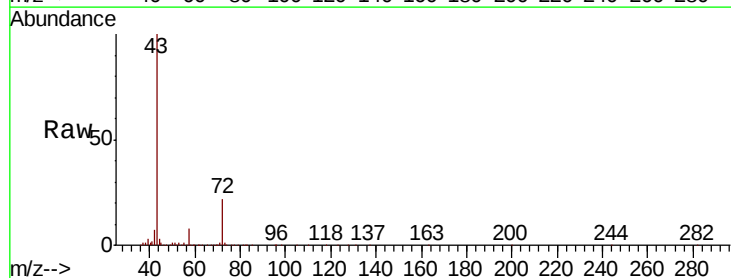
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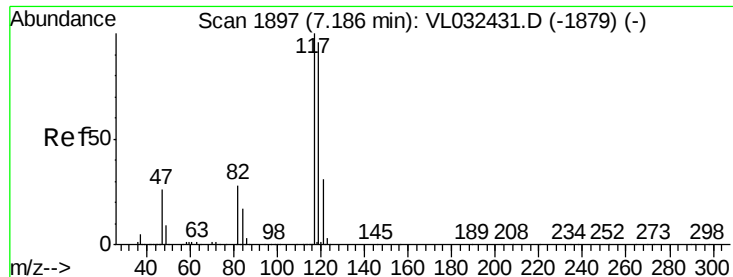
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#34
 2-Butanone
 Concen: 10.163 ppbv
 RT: 5.37 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.8	26.6





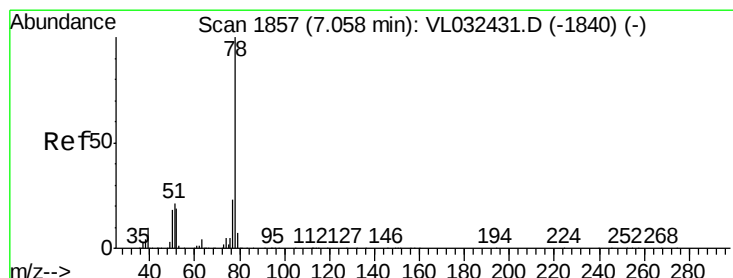
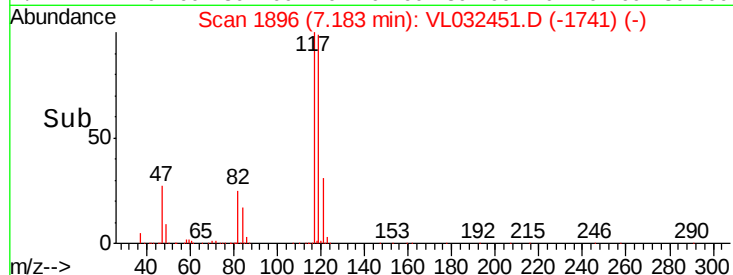
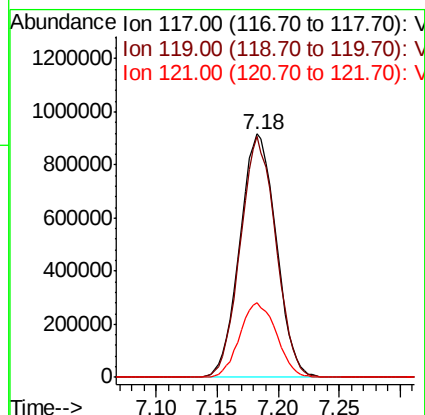
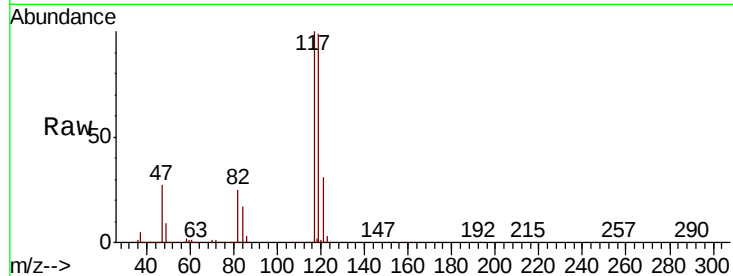
#35
Carbon Tetrachloride
Concen: 8.274 ppbv
RT: 7.18 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	76.6	115.0
121	30.5	24.6	36.8

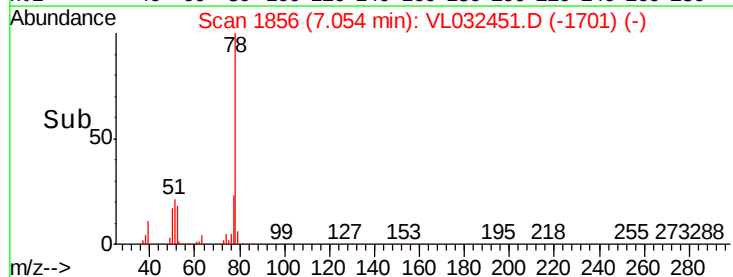
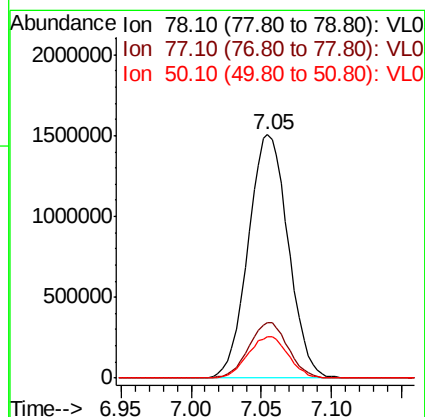
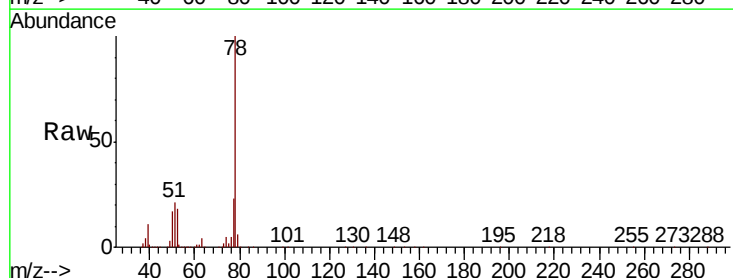
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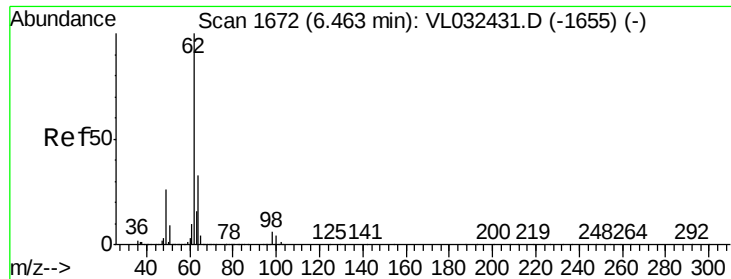
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#36
Benzene
Concen: 10.358 ppbv
RT: 7.05 min Scan# 1856
Delta R.T. -0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.4	27.6
50	17.2	14.4	21.6





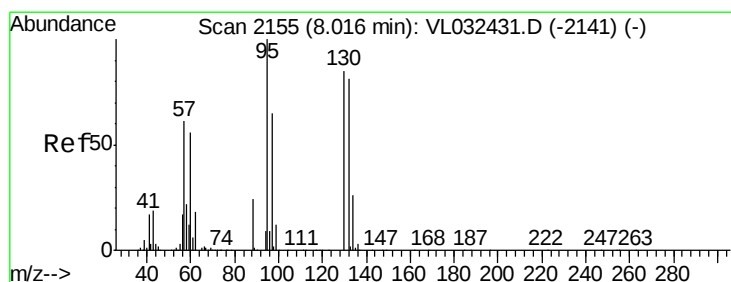
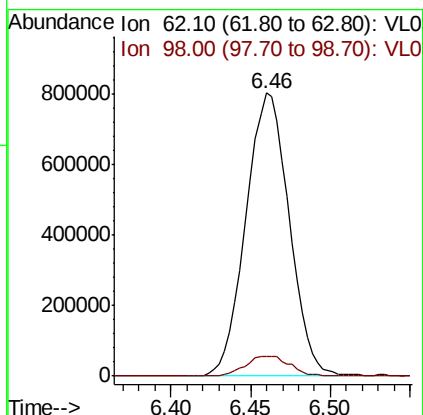
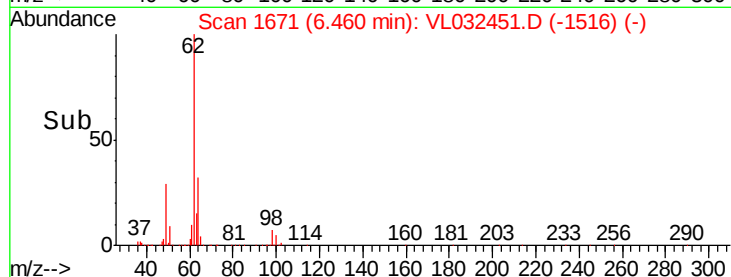
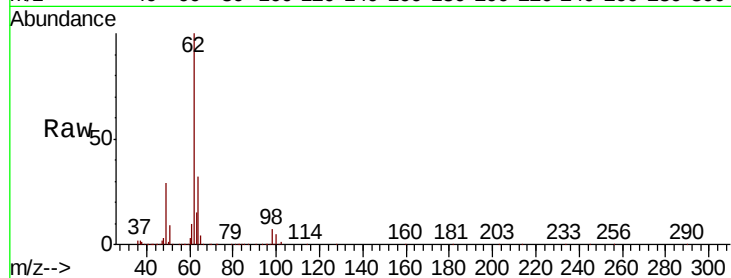
#37
 1,2-Dichloroethane
 Concen: 8.403 ppbv
 RT: 6.46 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 62 Resp: 1485625
 Ion Ratio Lower Upper
 62 100
 98 7.3 5.0 7.6

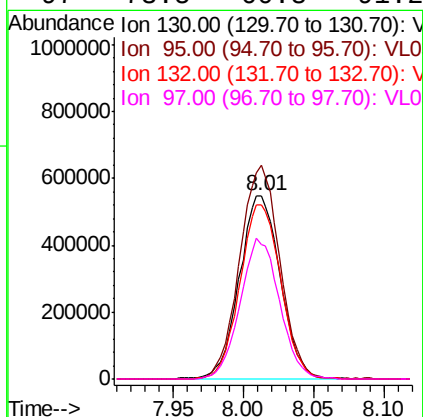
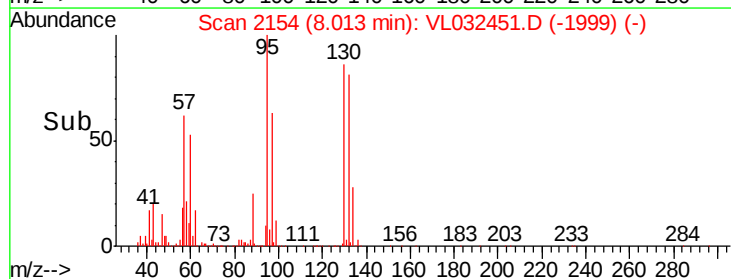
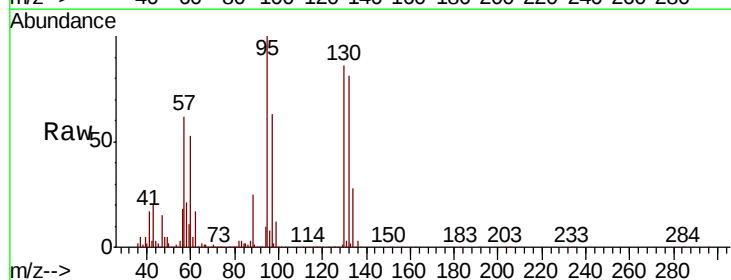
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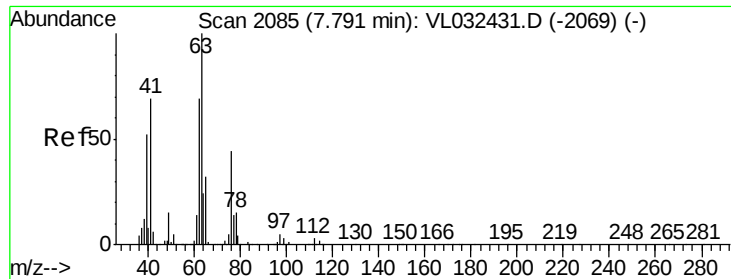
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#38
 Trichloroethene
 Concen: 10.043 ppbv
 RT: 8.01 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Tgt Ion: 130 Resp: 1100655
 Ion Ratio Lower Upper
 130 100
 95 116.9 94.2 141.4
 132 95.2 76.2 114.4
 97 73.5 60.8 91.2





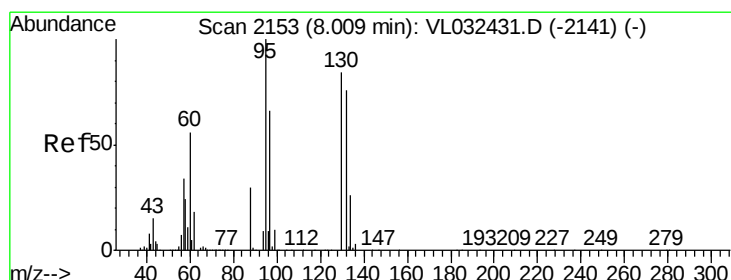
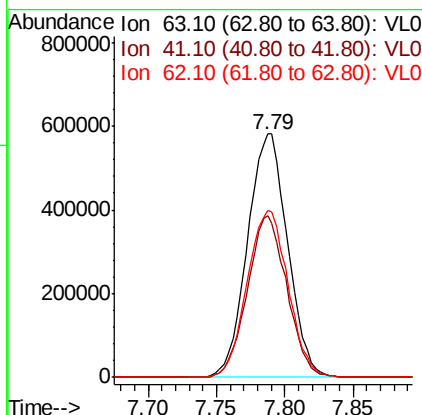
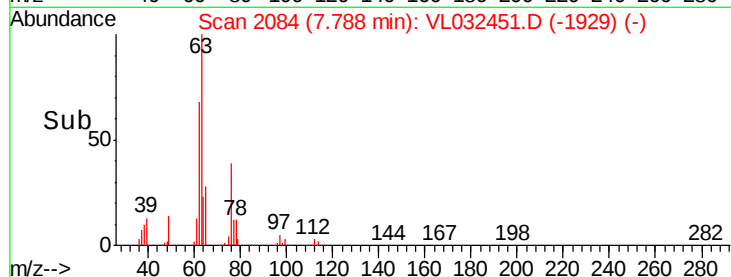
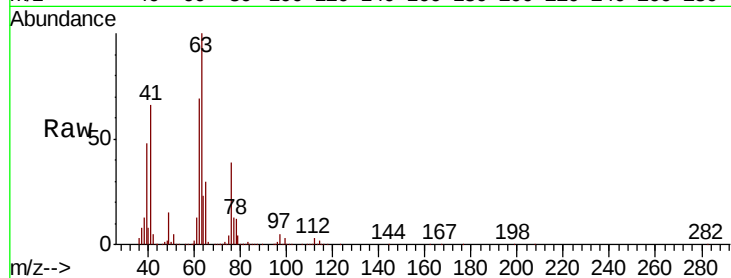
#39
 1,2-Dichloropropane
 Concen: 9.596 ppbv
 RT: 7.79 min Scan# 2084
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 63 Resp: 1184530
 Ion Ratio Lower Upper
 63 100
 41 66.3 55.4 83.0
 62 68.5 55.4 83.0

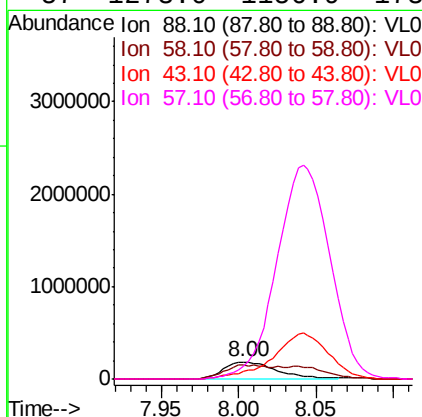
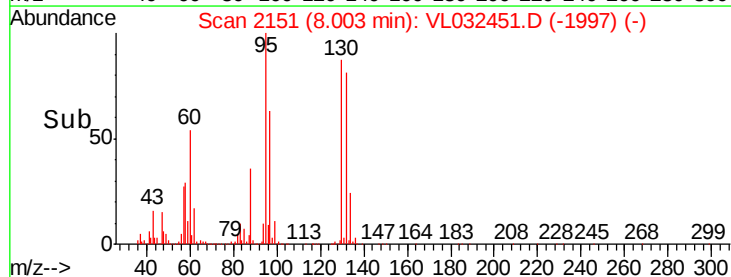
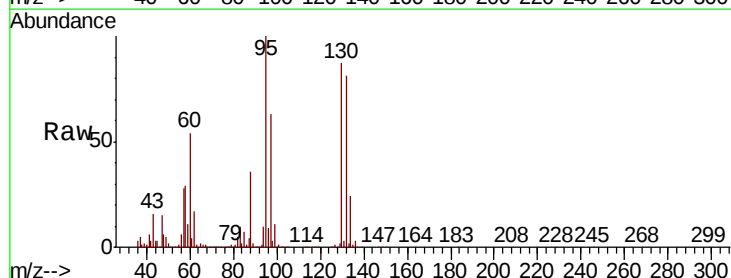
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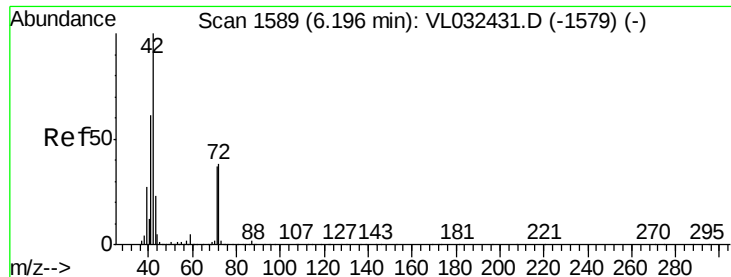
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#40
 1,4-Dioxane
 Concen: 11.773 ppbv
 RT: 8.00 min Scan# 2151
 Delta R.T. -0.01 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Tgt Ion: 88 Resp: 436010
 Ion Ratio Lower Upper
 88 100
 58 139.4 119.7 179.5
 43 286.0 253.0 379.4
 57 1273.0 1156.9 1735.3





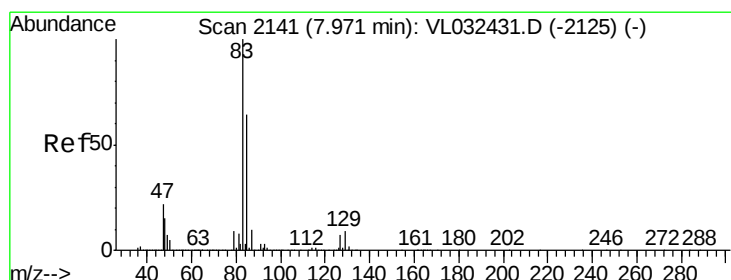
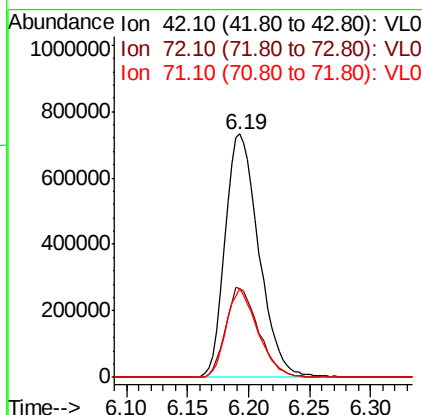
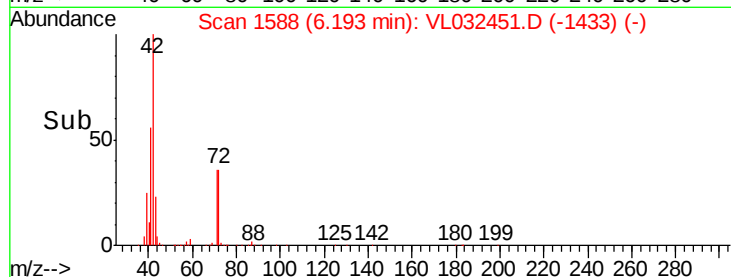
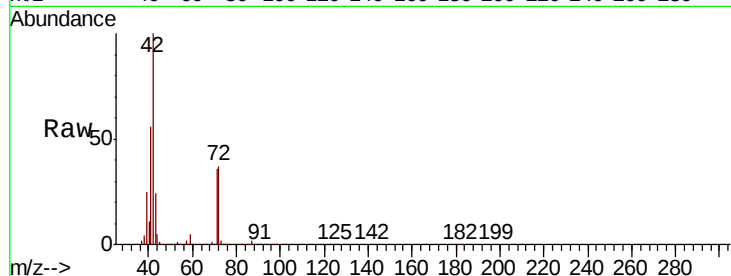
#41
Tetrahydrofuran
Concen: 11.559 ppbv
RT: 6.19 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 42 Resp: 1417088
Ion Ratio Lower Upper
42 100
72 36.1 29.5 44.3
71 34.4 28.3 42.5

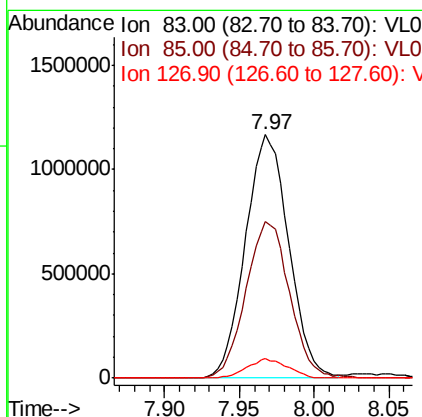
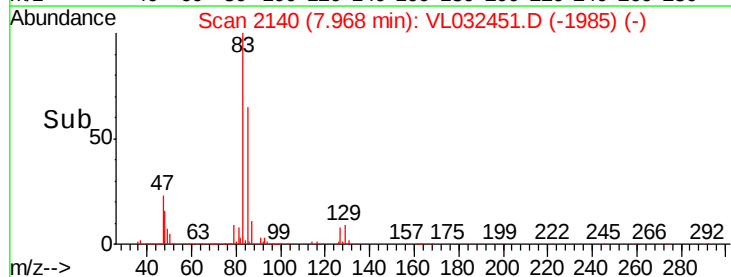
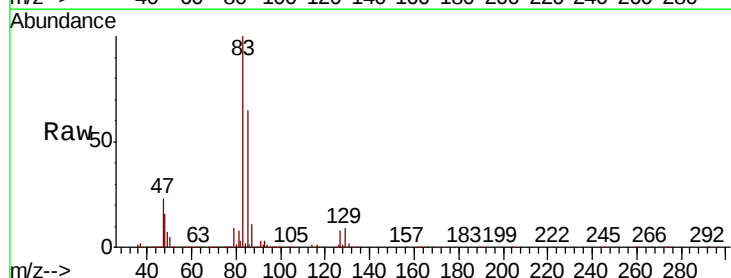
Manual Integrations
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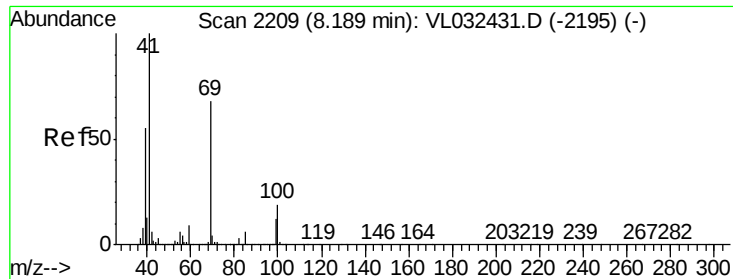
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#42
Bromodichloromethane
Concen: 9.674 ppbv
RT: 7.97 min Scan# 2140
Delta R.T. -0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Tgt Ion: 83 Resp: 2359110
Ion Ratio Lower Upper
83 100
85 64.6 51.1 76.7
127 7.8 5.8 8.8





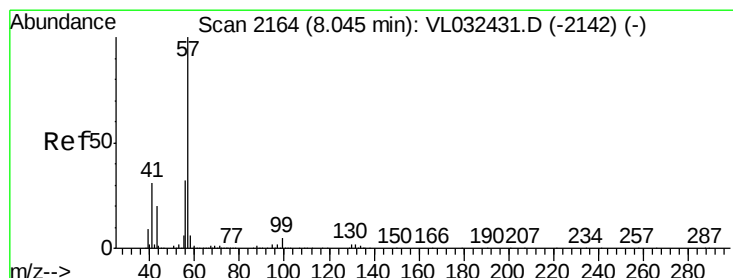
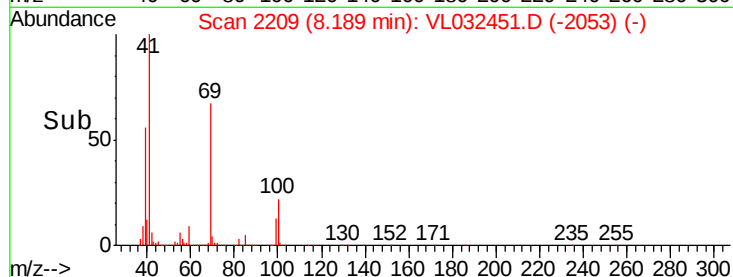
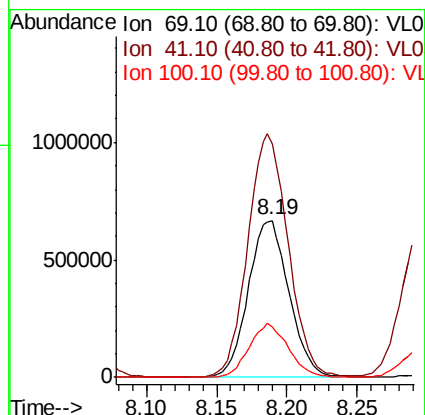
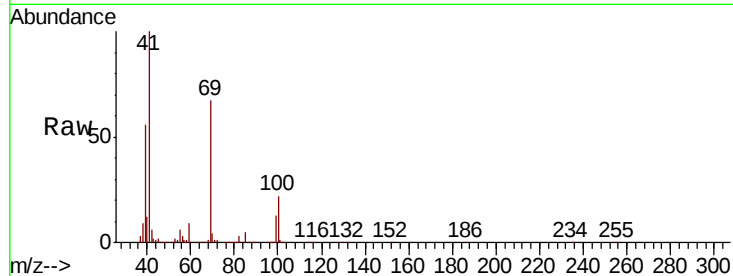
#43
Methyl Methacrylate
Concen: 11.010 ppbv
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 69 Resp: 1347573
Ion Ratio Lower Upper
69 100
41 153.6 117.1 175.7
100 32.8 23.4 35.2

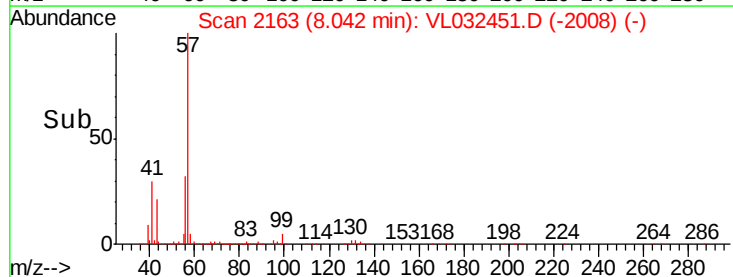
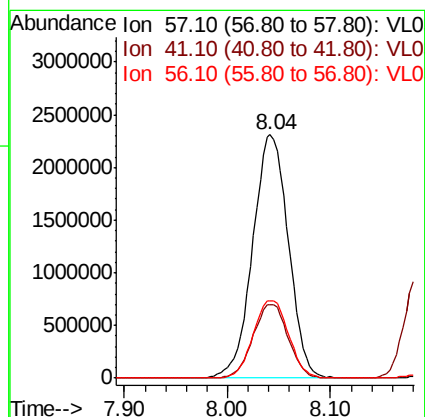
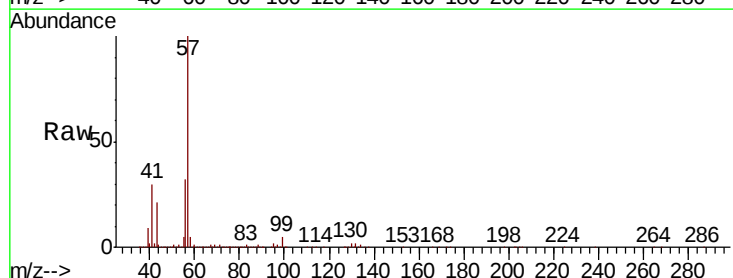
Manual Integrations
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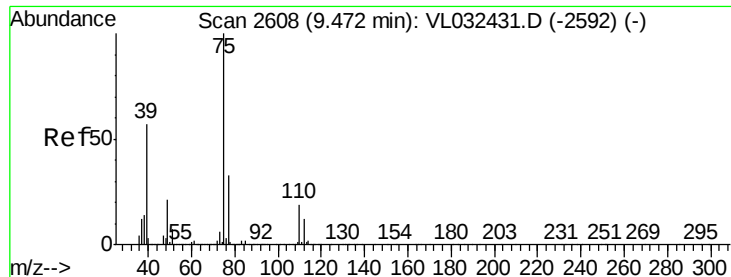
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#44
2,2,4-Trimethylpentane
Concen: 9.937 ppbv
RT: 8.04 min Scan# 2163
Delta R.T. -0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Tgt Ion: 57 Resp: 5542980
Ion Ratio Lower Upper
57 100
41 29.9 24.4 36.6
56 31.7 25.7 38.5





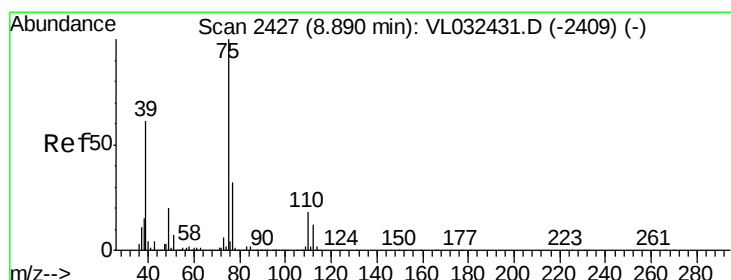
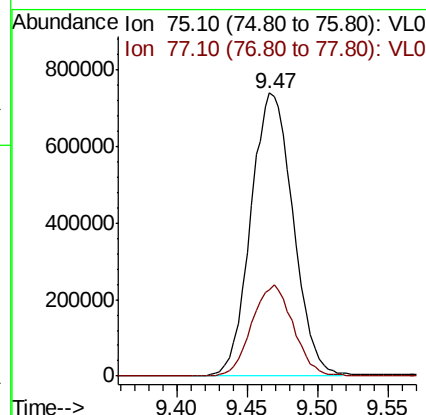
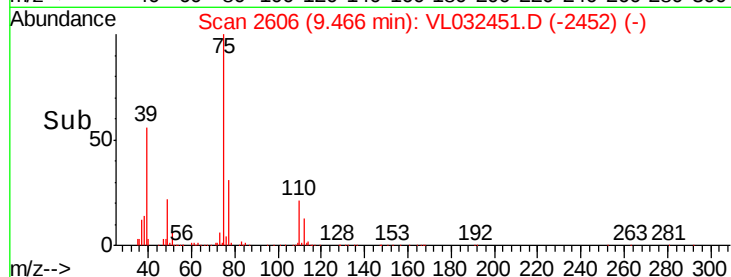
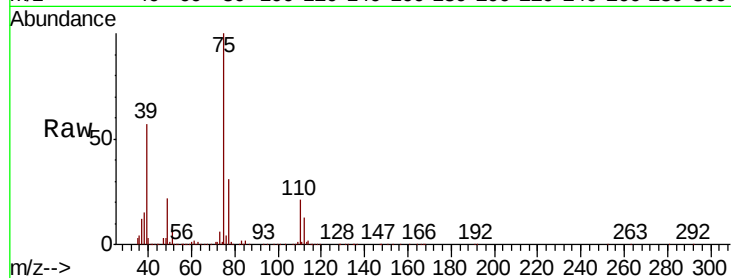
#45
 t-1,3-Dichloropropene
 Concen: 11.838 ppbv
 RT: 9.47 min Scan# 2606
 Delta R.T. -0.01 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 75 Resp: 1550509
 Ion Ratio Lower Upper
 75 100
 77 30.6 26.2 39.2

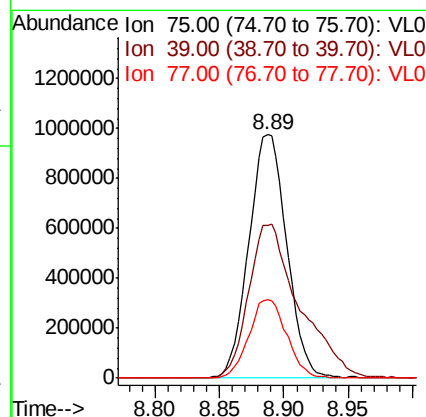
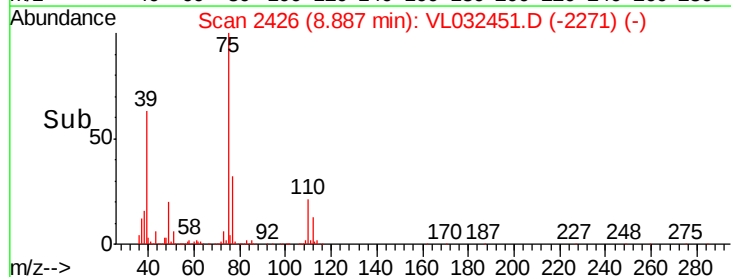
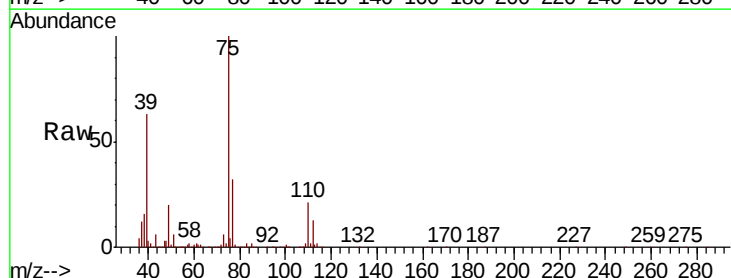
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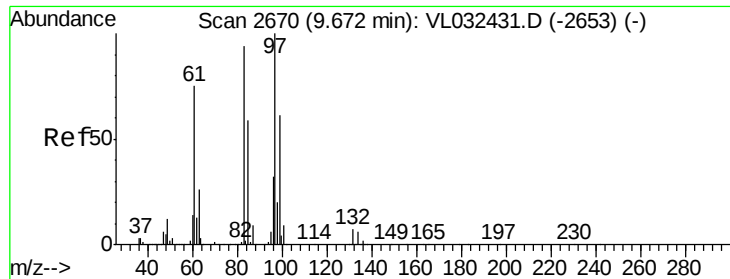
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#46
 cis-1,3-Dichloropropene
 Concen: 11.955 ppbv
 RT: 8.89 min Scan# 2426
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Tgt Ion: 75 Resp: 2000898
 Ion Ratio Lower Upper
 75 100
 39 62.8 48.9 73.3
 77 32.3 25.4 38.0





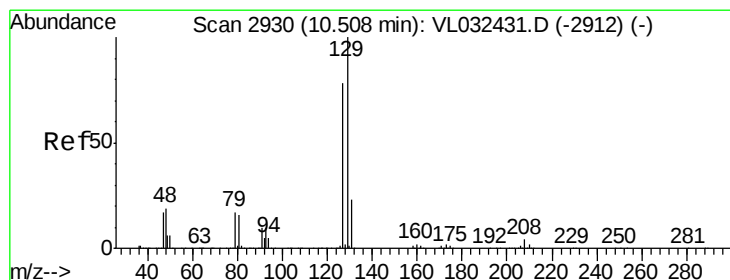
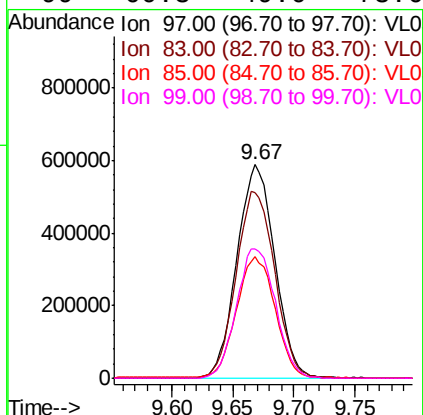
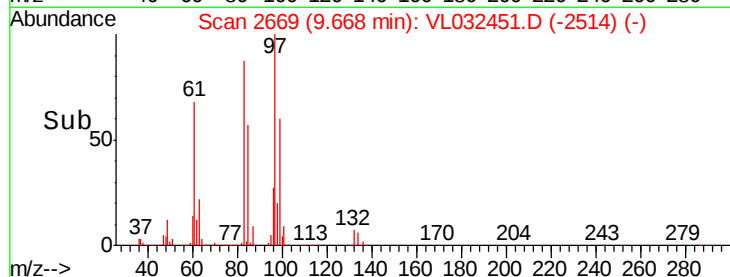
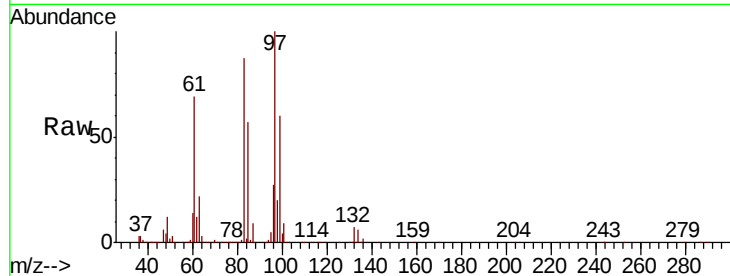
#47
 1,1,2-Trichloroethane
 Concen: 9.622 ppbv
 RT: 9.67 min Scan# 2669
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.8	75.0	112.4
85	56.8	47.5	71.3
99	60.3	49.0	73.6

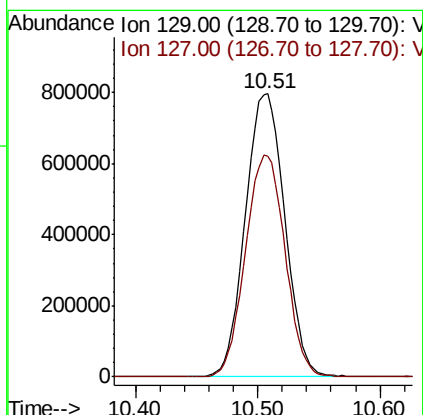
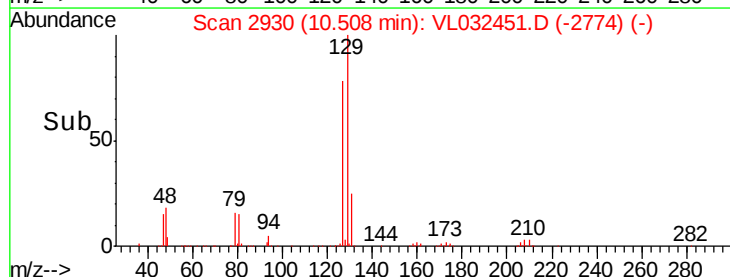
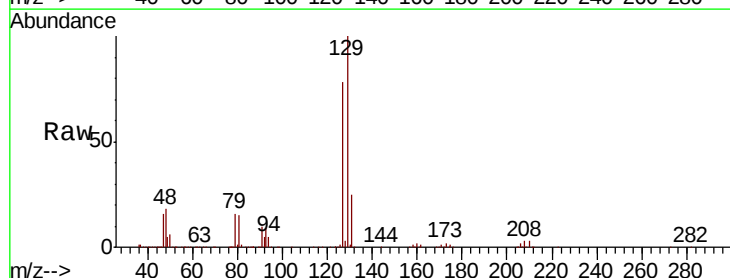
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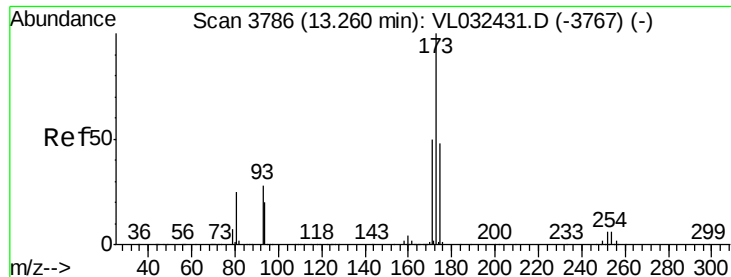
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#48
 Dibromochloromethane
 Concen: 9.799 ppbv
 RT: 10.51 min Scan# 2930
 Delta R.T. 0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.5	118.3





#49

Bromoform

Concen: 9.558 ppbv

RT: 13.26 min Scan# 3785

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 173 Resp: 1510122

Ion Ratio Lower Upper

173 100

175 48.3 38.9 58.3

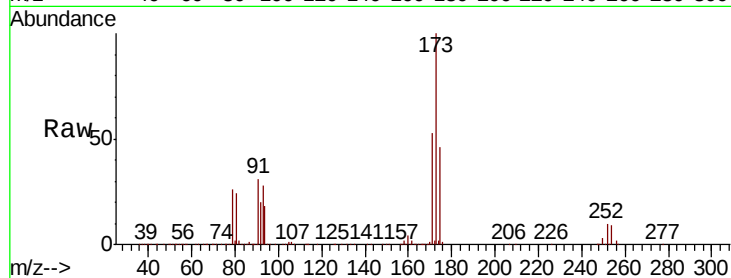
171 52.2 41.6 62.4

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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

13.26

800000

600000

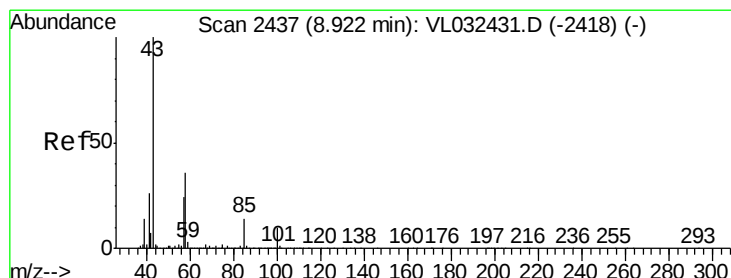
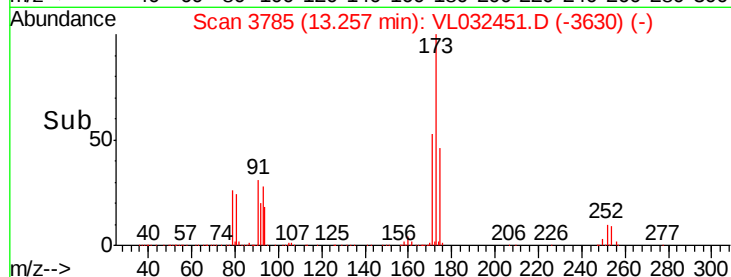
400000

200000

0

13.20 13.30

Time-->



#50

4-Methyl-2-Pentanone

Concen: 10.186 ppbv

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VL032451.D

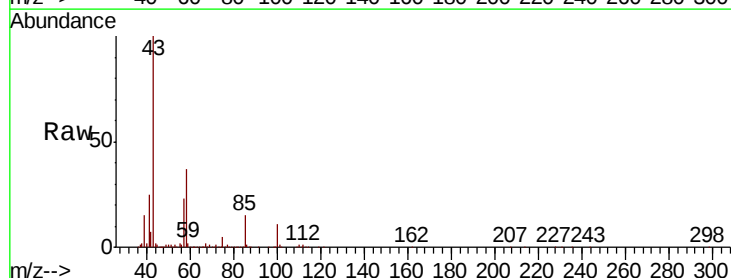
Acq: 31 Aug 2018 22:16

Tgt Ion: 43 Resp: 3455404

Ion Ratio Lower Upper

43 100

58 35.7 29.0 43.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

8.92

1500000

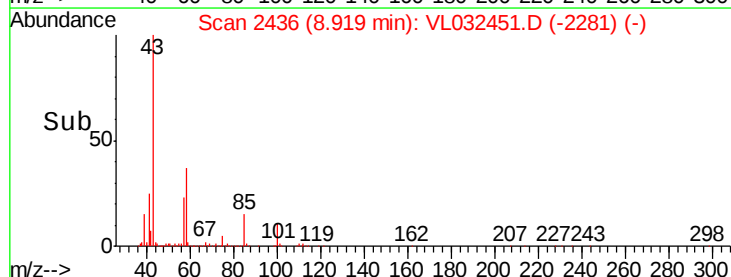
1000000

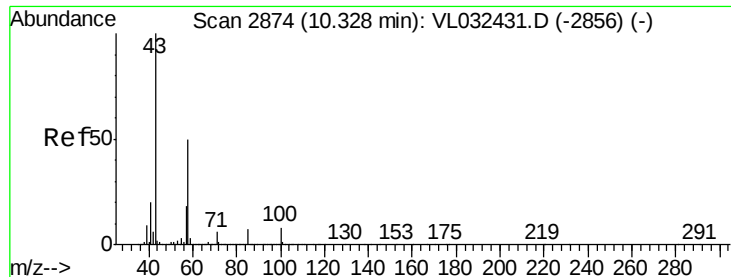
500000

0

8.90 9.00

Time-->





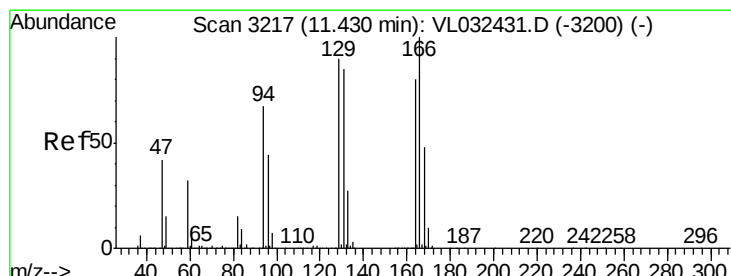
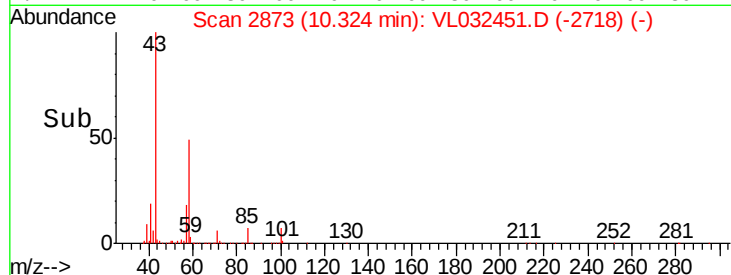
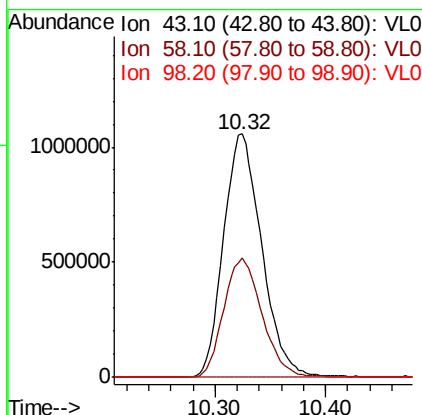
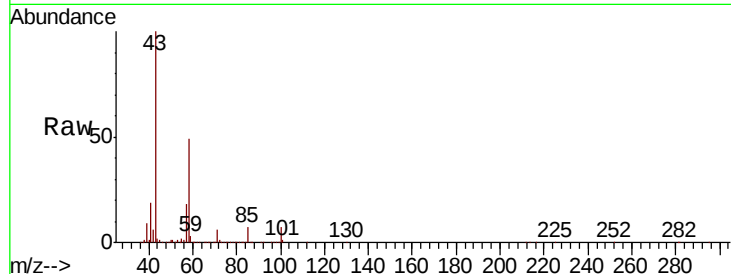
#51
2-Hexanone
Concen: 11.551 ppbv
RT: 10.32 min Scan# 2873
Delta R.T. -0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2524042
Ion Ratio Lower Upper
43 100
58 49.6 39.2 58.8
98 0.1 0.4 0.6#

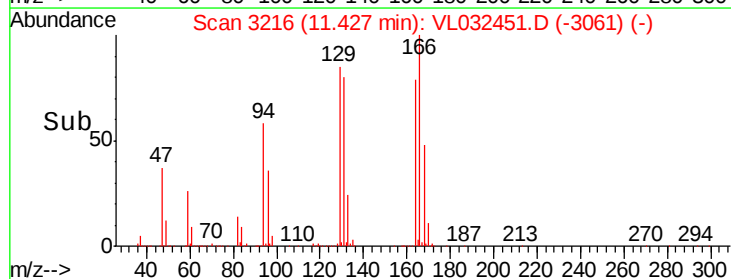
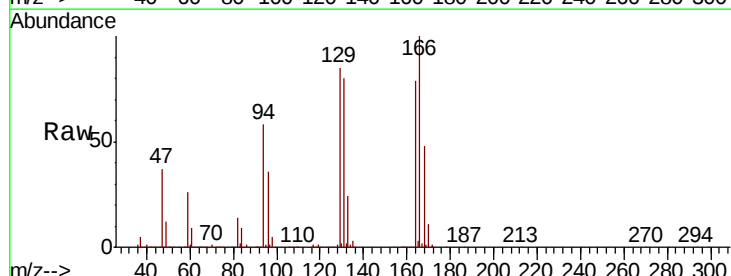
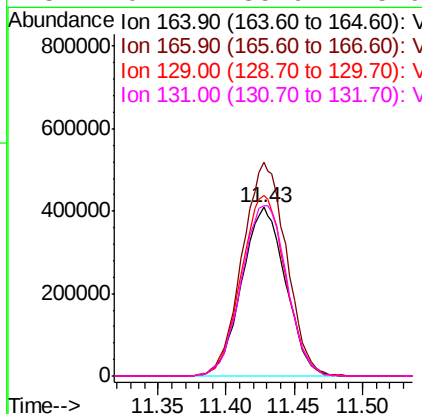
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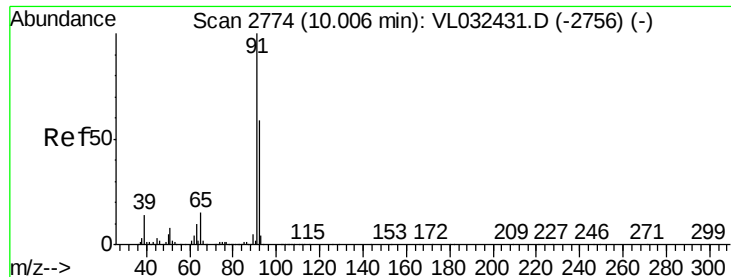
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#52
Tetrachloroethene
Concen: 10.181 ppbv
RT: 11.43 min Scan# 3216
Delta R.T. -0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Tgt Ion: 164 Resp: 910785
Ion Ratio Lower Upper
164 100
166 126.5 100.6 150.8
129 107.1 89.9 134.9
131 101.2 85.9 128.9





#53

Toluene

Concen: 11.005 ppbv

RT: 10.00 min Scan# 2772

Delta R.T. -0.01 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 3318837

Ion Ratio Lower Upper

91 100

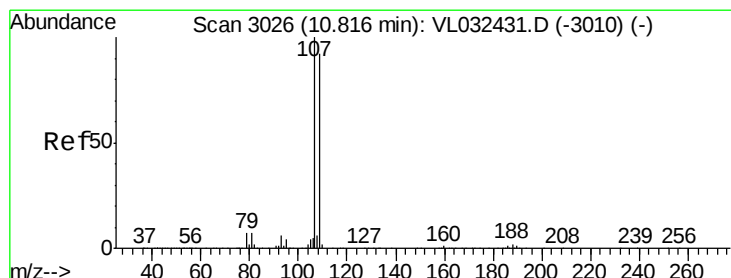
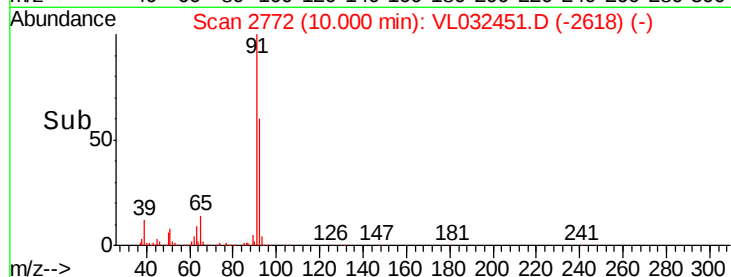
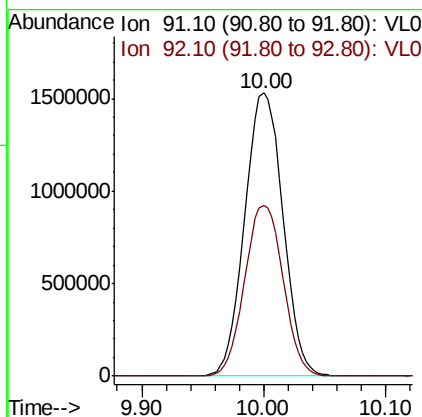
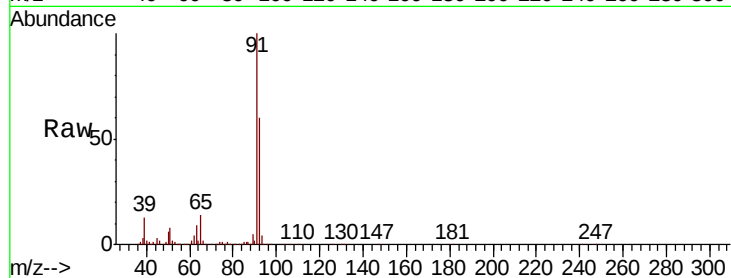
92 60.7 48.1 72.1

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#54

1,2-Dibromoethane

Concen: 10.863 ppbv

RT: 10.81 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VL032451.D

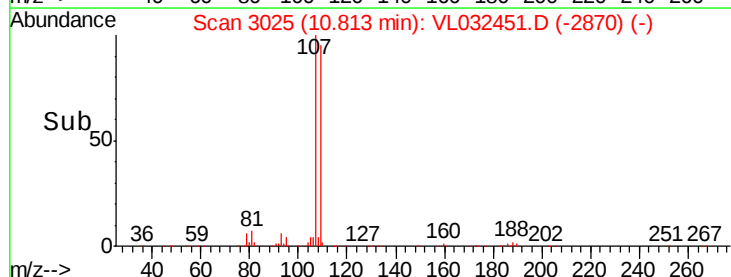
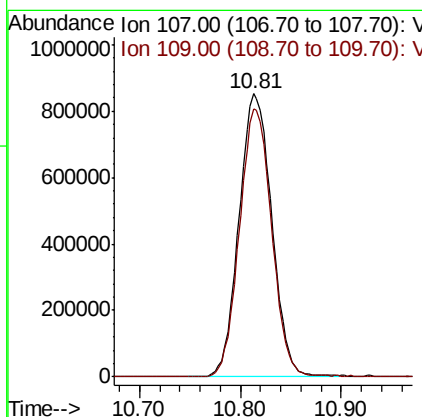
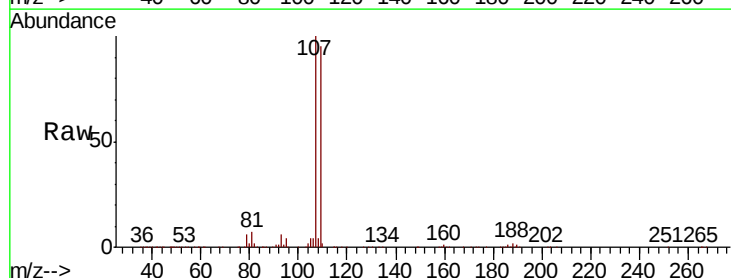
Acq: 31 Aug 2018 22:16

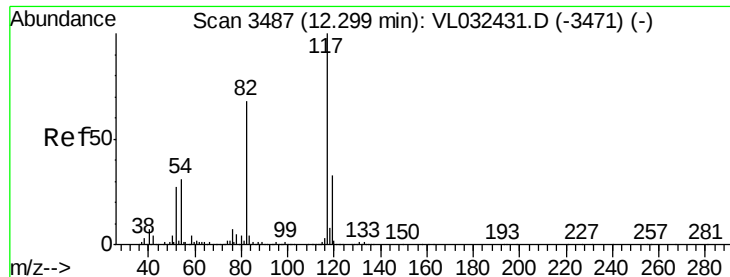
Tgt Ion: 107 Resp: 1914110

Ion Ratio Lower Upper

107 100

109 94.7 73.9 110.9





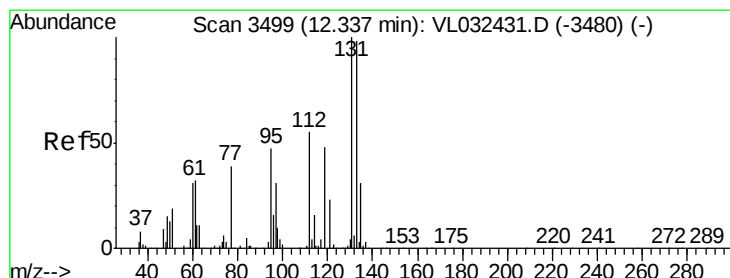
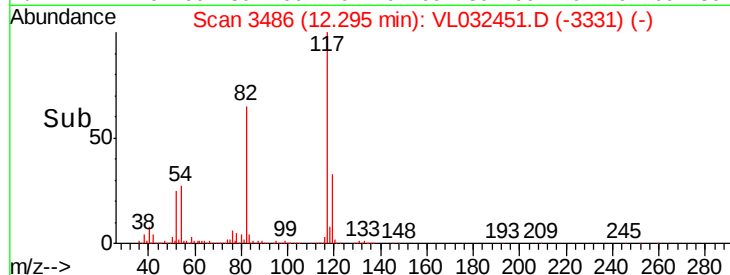
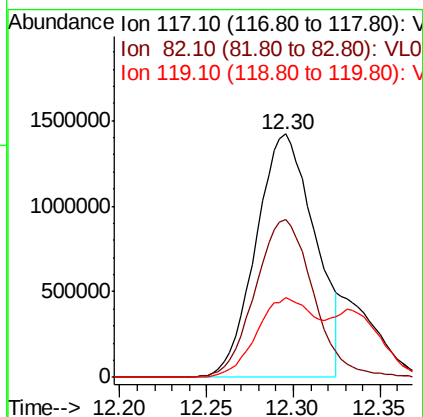
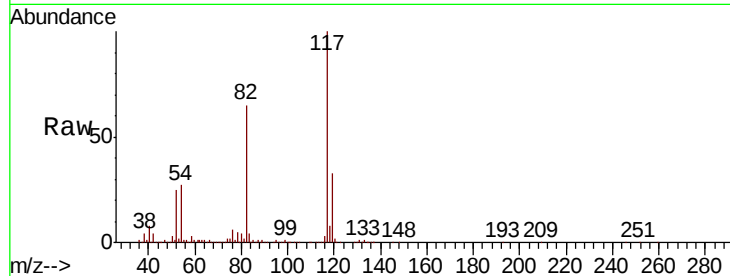
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.30 min Scan# 3486
Delta R.T. -0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 3353585
Ion Ratio Lower Upper
117 100
82 64.8 53.0 79.6
119 56.5 45.9 68.9

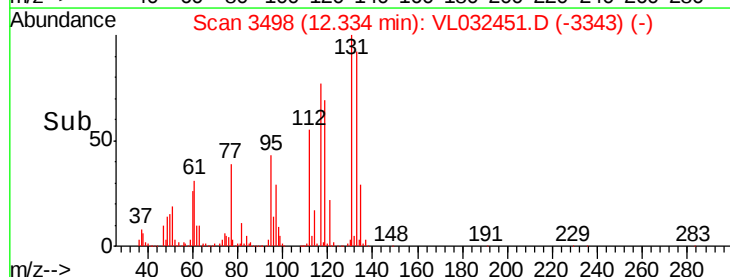
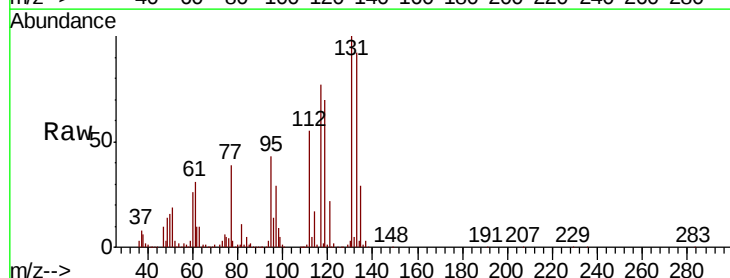
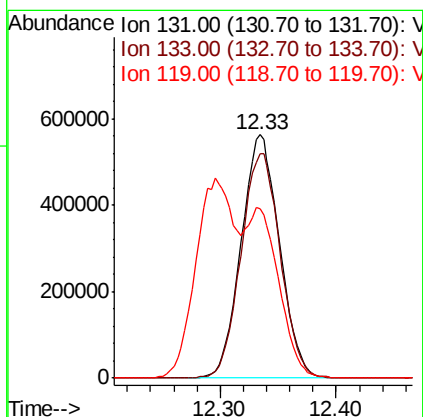
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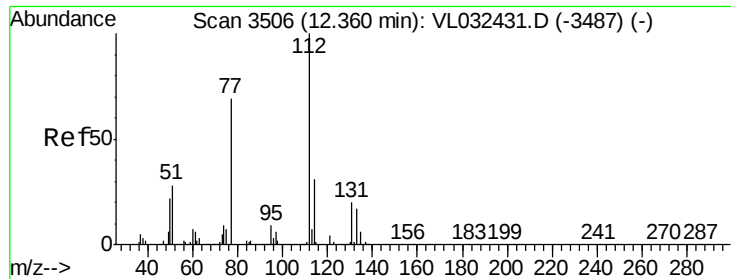
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.539 ppbv
RT: 12.33 min Scan# 3498
Delta R.T. -0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Tgt Ion:131 Resp: 1291030
Ion Ratio Lower Upper
131 100
133 95.0 77.0 115.4
119 146.9 114.2 171.2





#57

Chlorobenzene

Concen: 8.982 ppbv

RT: 12.36 min Scan# 3505

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 112 Resp: 2407449

Ion Ratio Lower Upper

112 100

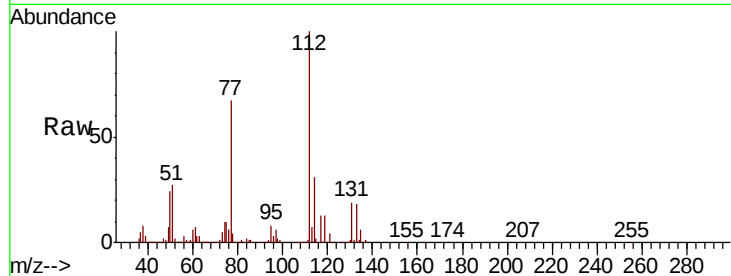
77 66.6 56.1 84.1

114 31.2 27.8 34.0

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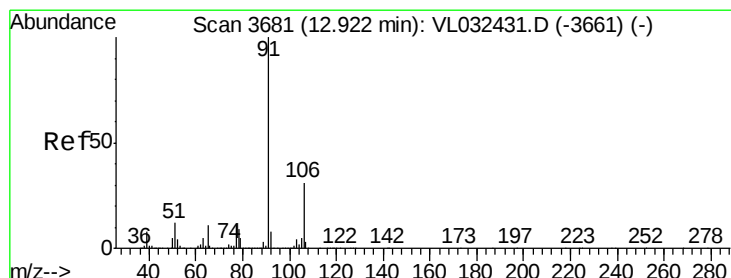
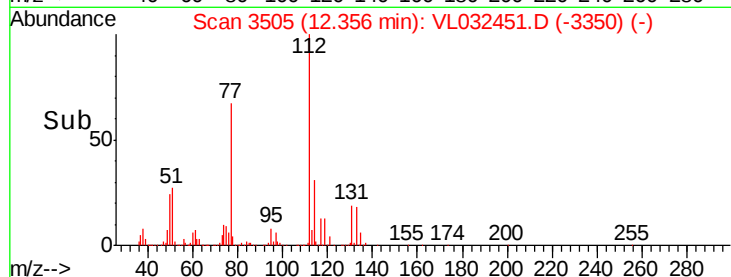
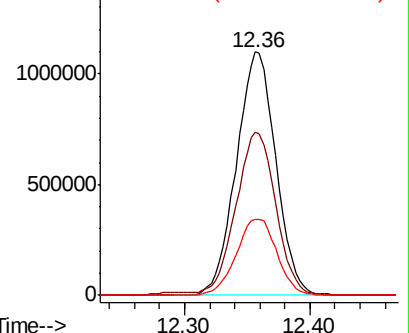
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 11.173 ppbv

RT: 12.92 min Scan# 3680

Delta R.T. -0.00 min

Lab File: VL032451.D

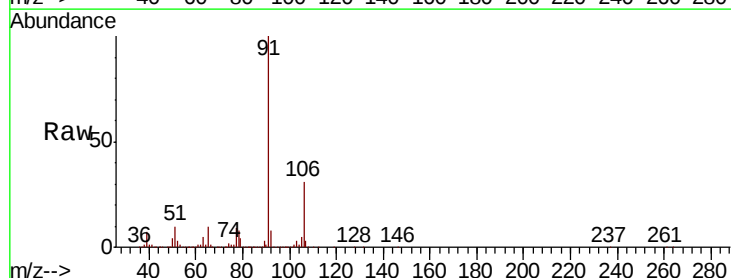
Acq: 31 Aug 2018 22:16

Tgt Ion: 91 Resp: 4483984

Ion Ratio Lower Upper

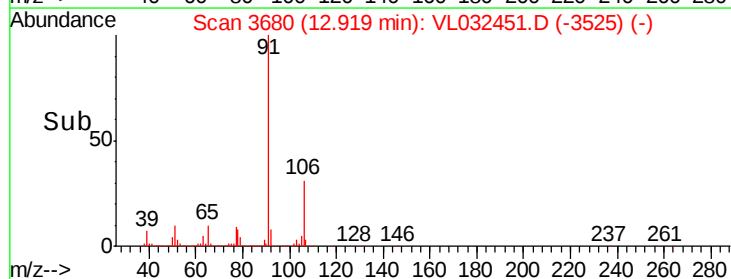
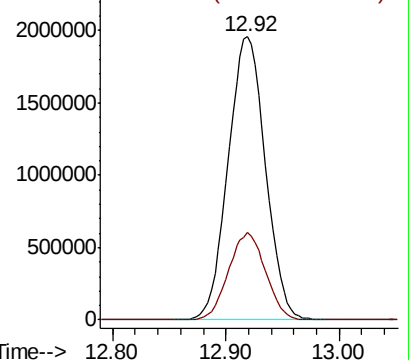
91 100

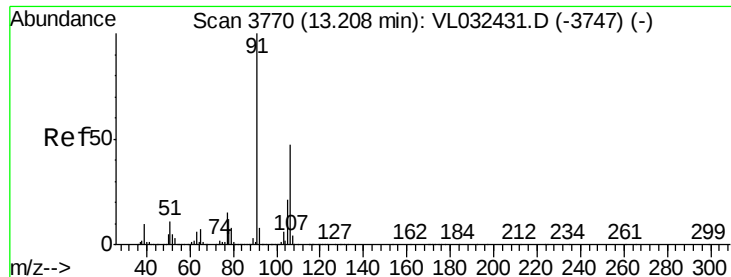
106 31.0 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





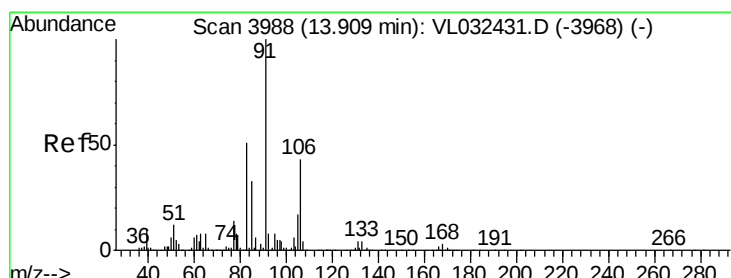
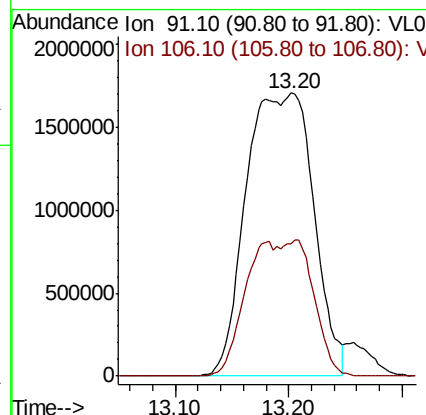
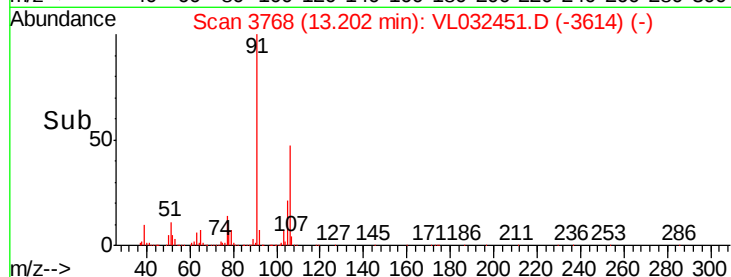
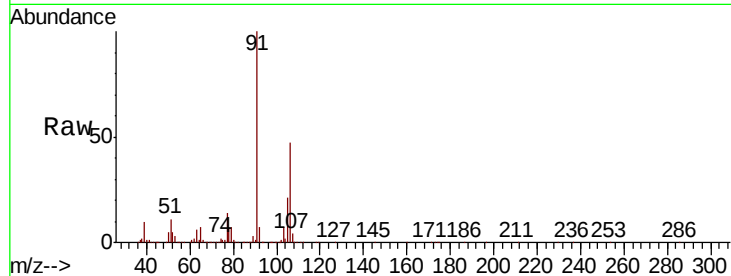
#59
m/p-Xylene
Concen: 19.656 ppbv m
RT: 13.20 min Scan# 3768
Delta R.T. -0.01 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 7032661
Ion Ratio Lower Upper
91 100
106 47.3 36.6 55.0

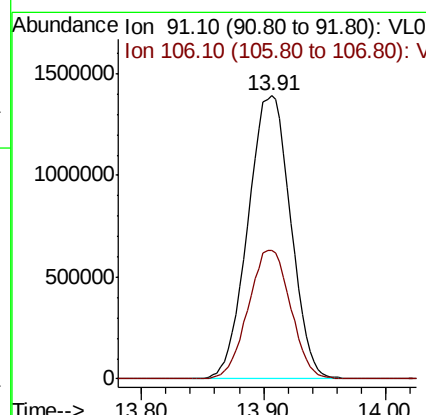
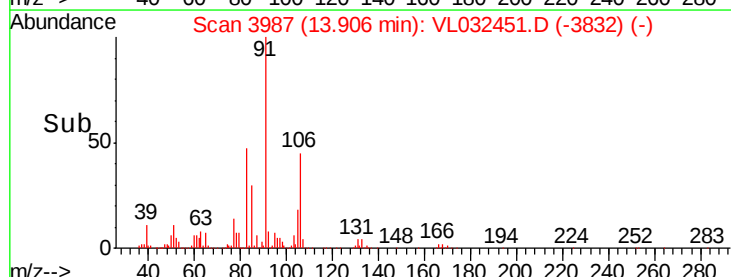
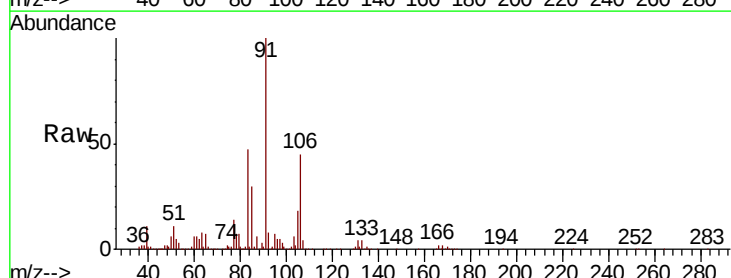
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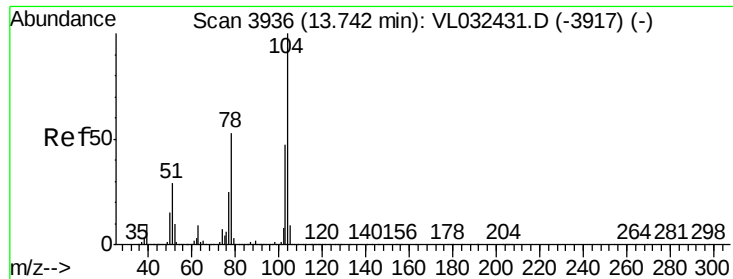
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#60
o-Xylene
Concen: 9.578 ppbv
RT: 13.91 min Scan# 3987
Delta R.T. -0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Tgt Ion: 91 Resp: 3366362
Ion Ratio Lower Upper
91 100
106 45.3 21.9 65.7





#61

Styrene

Concen: 12.331 ppbv

RT: 13.74 min Scan# 3935

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

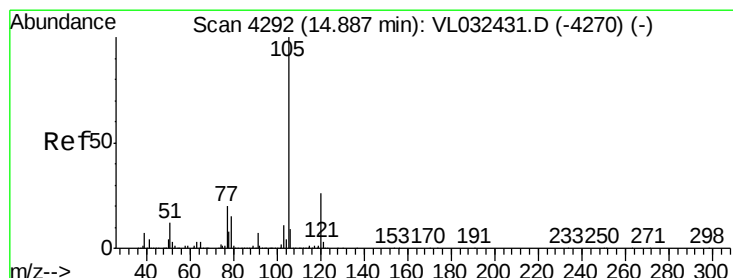
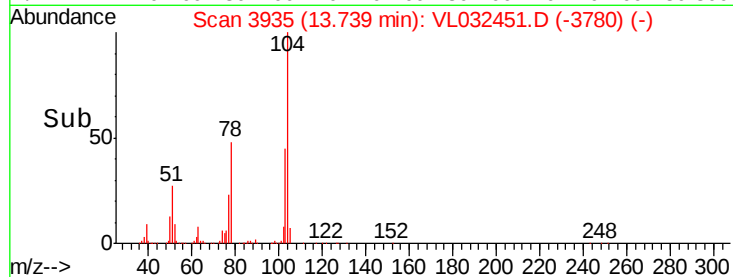
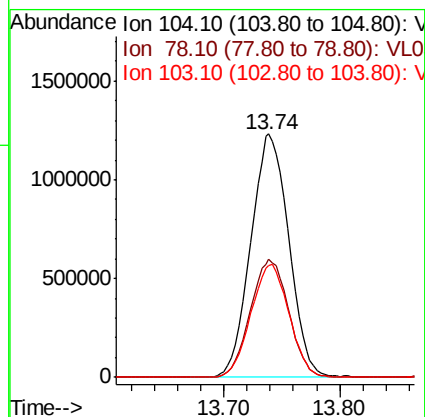
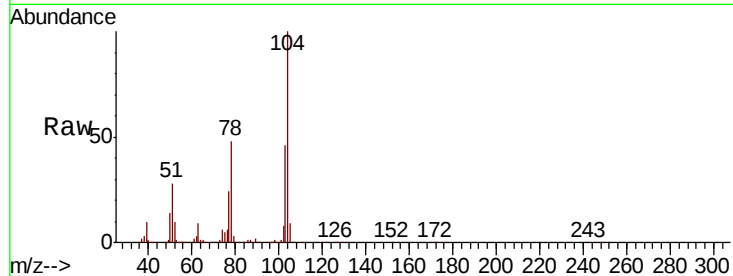
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	104	Resp:	2805684
Ion	Ratio	Lower	Upper
104	100		
78	48.9	41.8	62.8
103	46.7	38.0	57.0

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#62

Isopropylbenzene

Concen: 9.938 ppbv

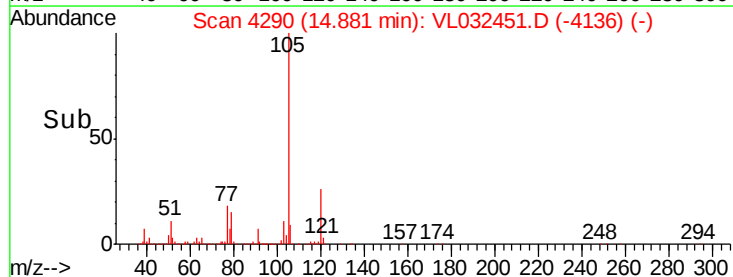
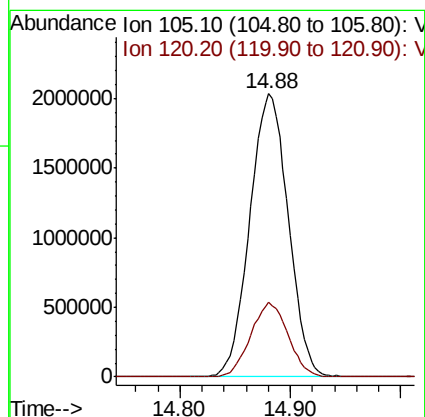
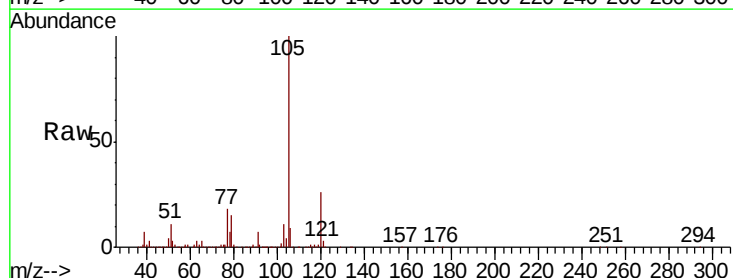
RT: 14.88 min Scan# 4290

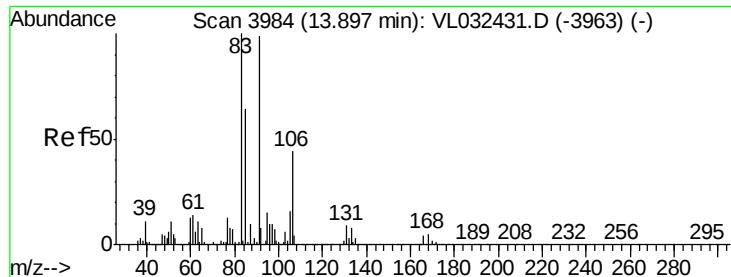
Delta R.T. -0.01 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Tgt Ion:	105	Resp:	4910004
Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.6	31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 7.778 ppbv

RT: 13.89 min Scan# 3982

Delta R.T. -0.01 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 83 Resp: 2444144

Ion Ratio Lower Upper

83 100

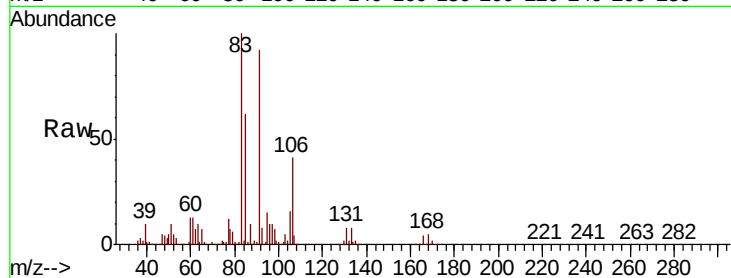
131 8.8 4.3 12.8

85 64.0 32.3 96.8

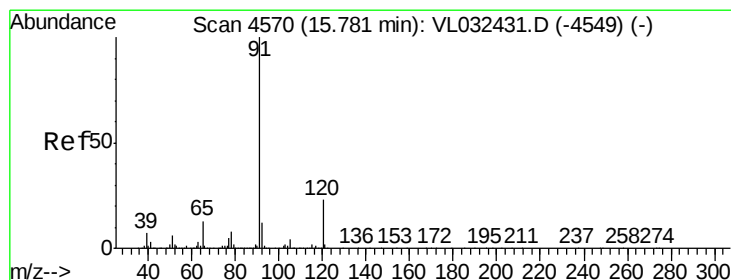
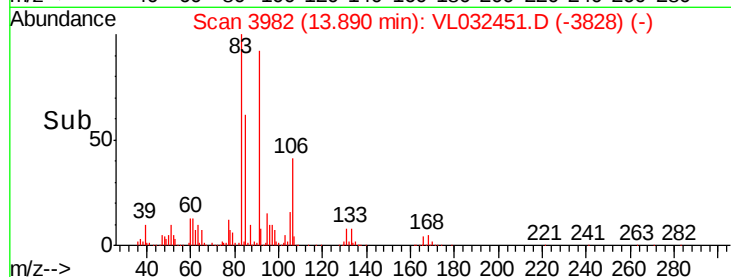
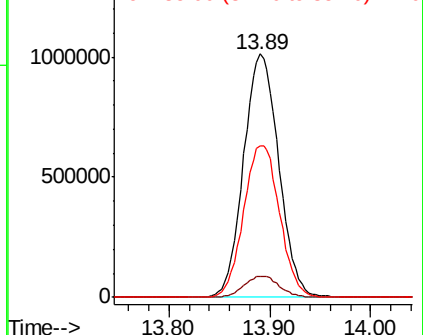
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Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.118 ppbv

RT: 15.78 min Scan# 4569

Delta R.T. -0.00 min

Lab File: VL032451.D

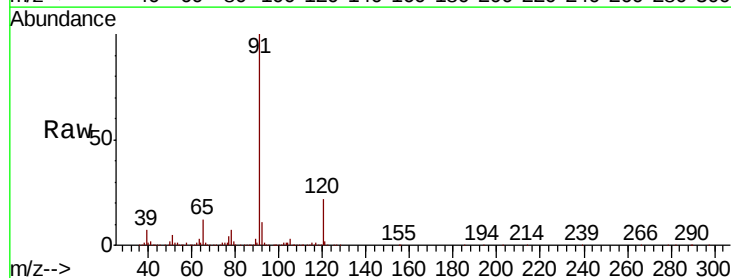
Acq: 31 Aug 2018 22:16

Tgt Ion: 120 Resp: 1306797

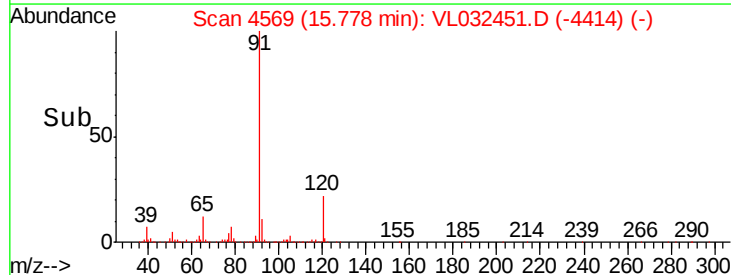
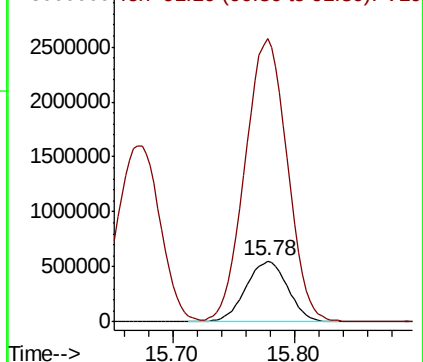
Ion Ratio Lower Upper

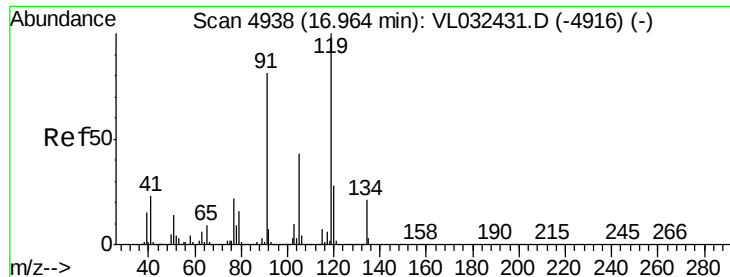
120 100

91 473.6 381.8 572.6



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





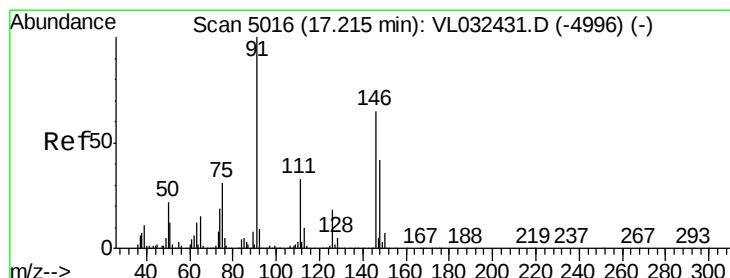
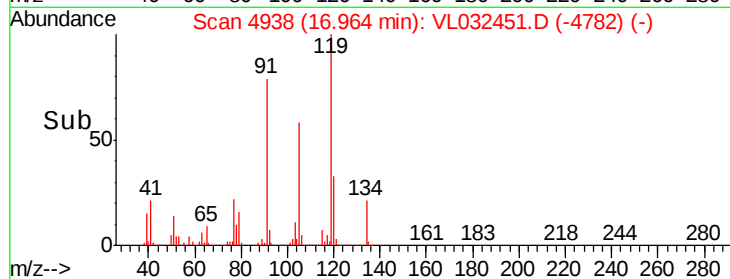
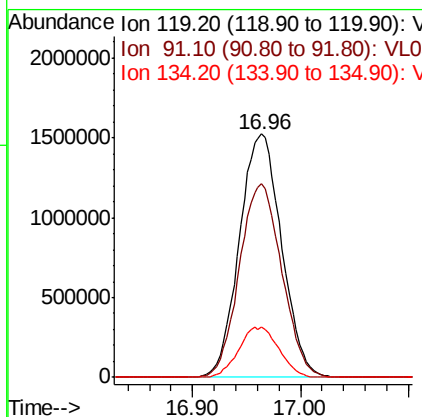
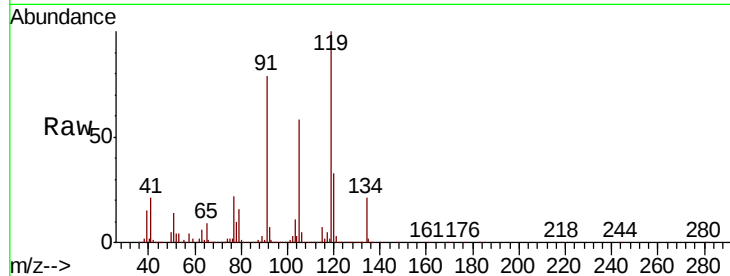
#65
 tert-Butylbenzene
 Concen: 9.715 ppbv
 RT: 16.96 min Scan# 4938
 Delta R.T. 0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
119	100		
91	80.2	66.5	99.7
134	19.7	16.0	24.0

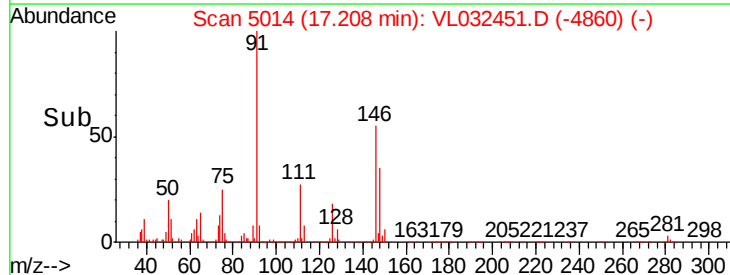
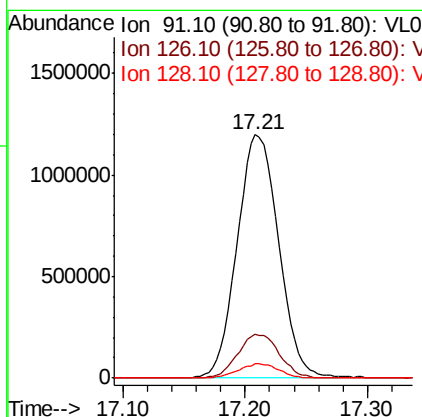
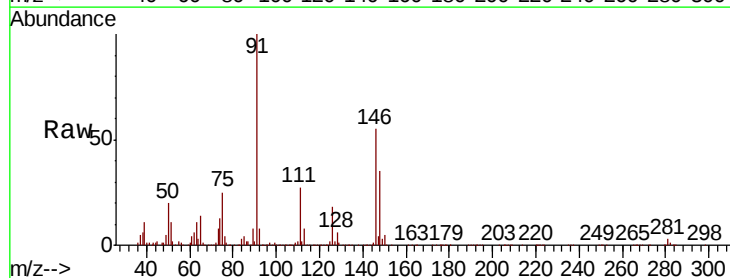
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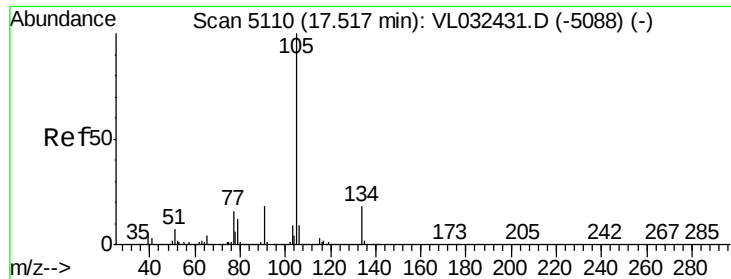
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#66
 Benzyl Chloride
 Concen: 11.849 ppbv
 RT: 17.21 min Scan# 5014
 Delta R.T. -0.01 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	18.4	13.8	20.8
128	5.8	4.4	6.6





#67

sec-Butylbenzene

Concen: 9.713 ppbv

RT: 17.51 min Scan# 5109

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 105 Resp: 6218972

Ion Ratio Lower Upper

105 100

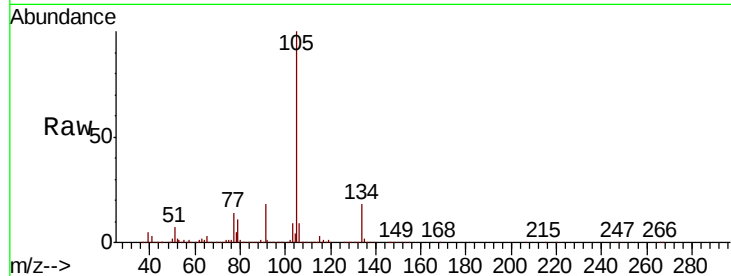
134 17.5 14.4 21.6

Manual Integrations

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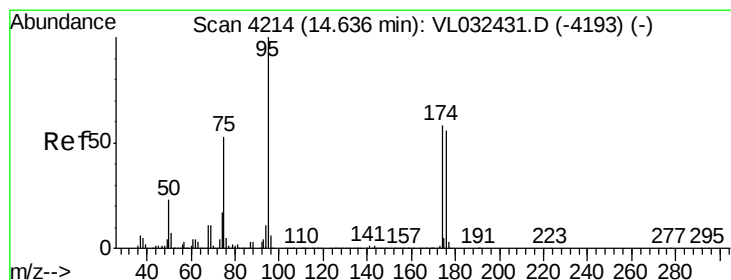
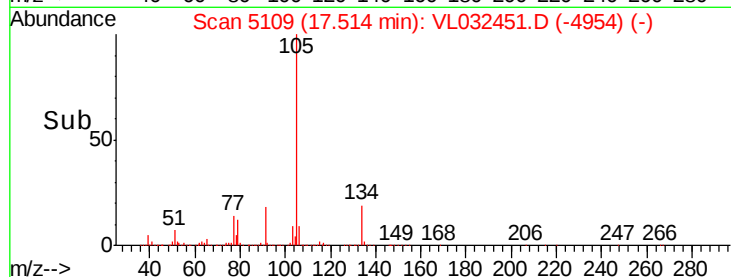
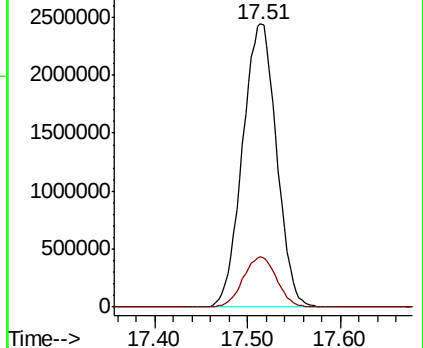
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.532 ppbv

RT: 14.63 min Scan# 4213

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

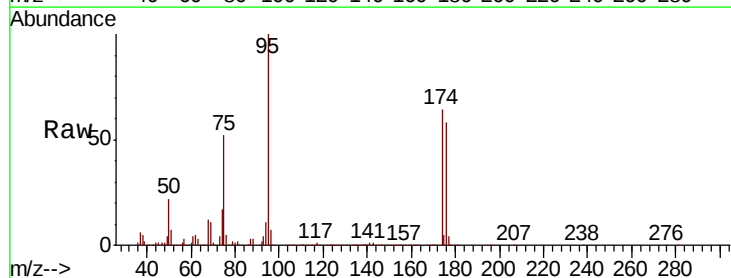
Tgt Ion: 95 Resp: 2373269

Ion Ratio Lower Upper

95 100

174 61.0 46.3 69.5

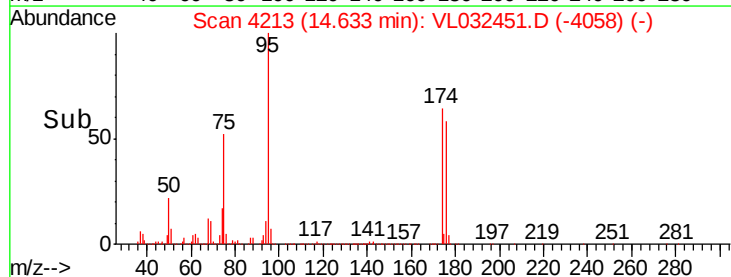
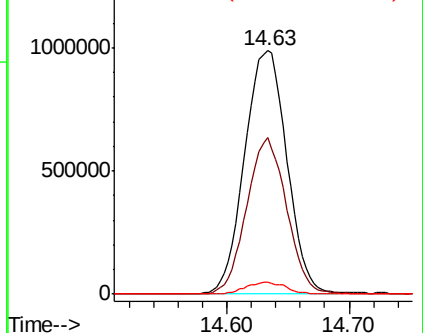
175 4.7 3.4 5.0

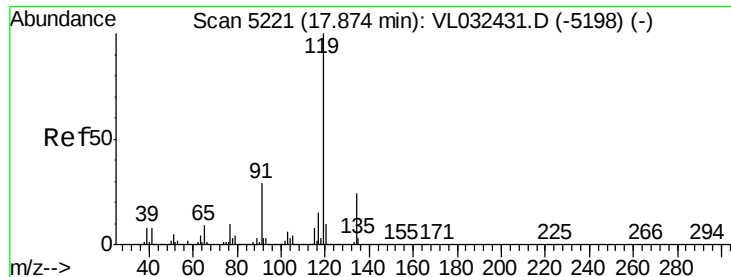


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





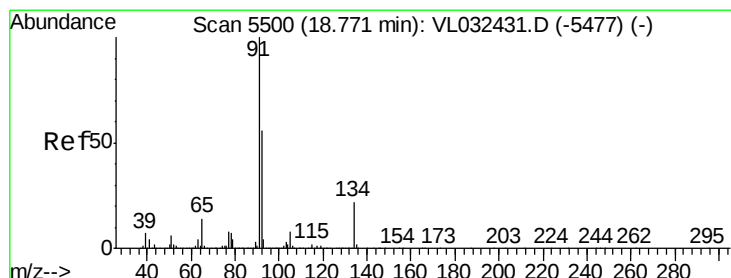
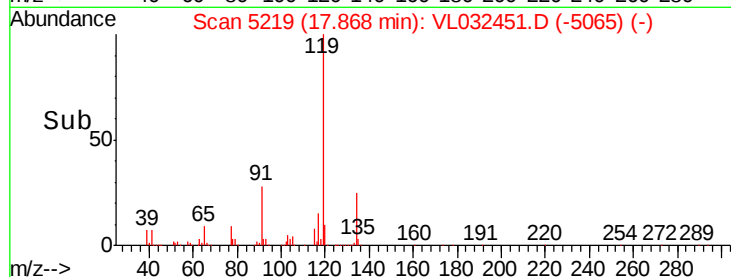
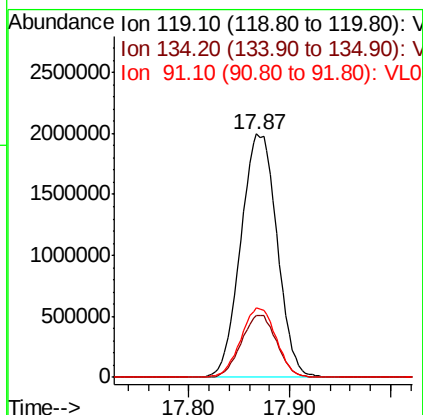
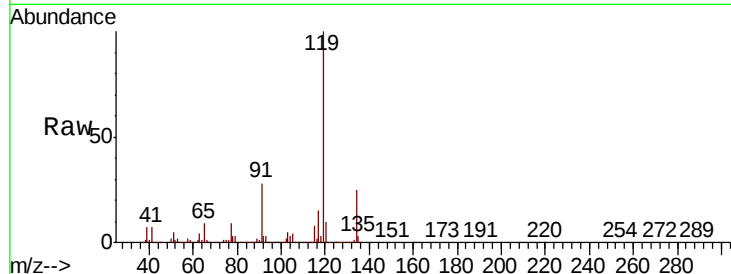
#69
p-Isopropyltoluene
Concen: 10.033 ppbv
RT: 17.87 min Scan# 5219
Delta R.T. -0.01 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.4	30.6
91	27.7	23.4	35.2

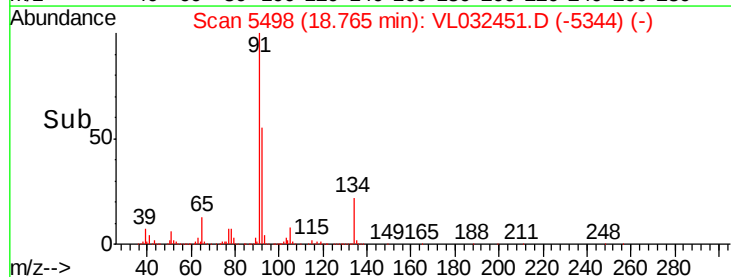
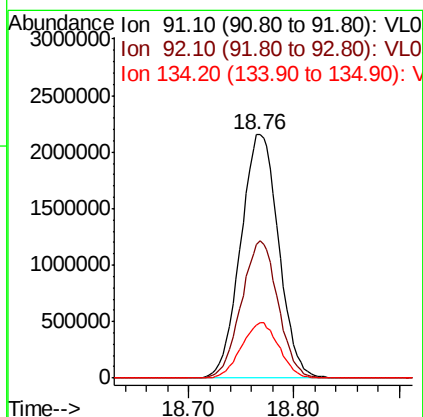
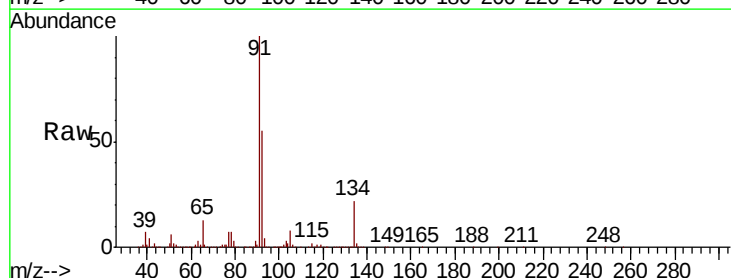
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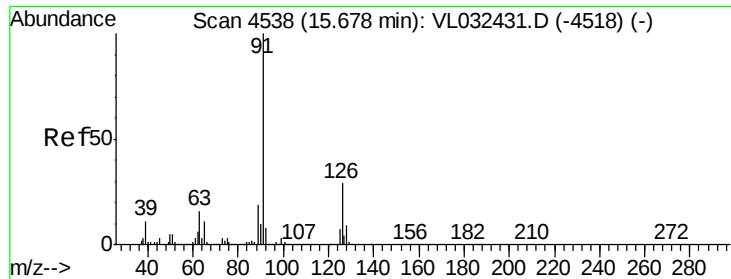
apatel
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#70
n-Butylbenzene
Concen: 9.577 ppbv
RT: 18.76 min Scan# 5498
Delta R.T. -0.01 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	43.8	65.8
134	22.4	17.4	26.0





#71

2-Chlorotoluene

Concen: 10.322 ppbv

RT: 15.67 min Scan# 4536

Delta R.T. -0.01 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 3896091

Ion Ratio Lower Upper

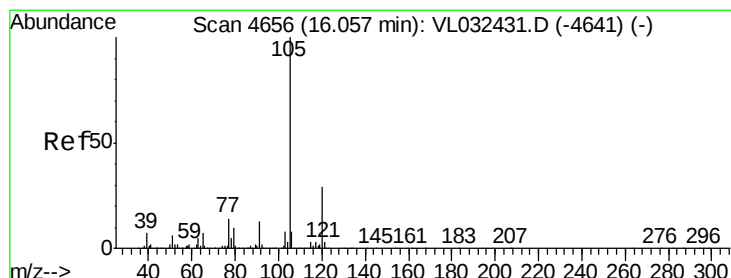
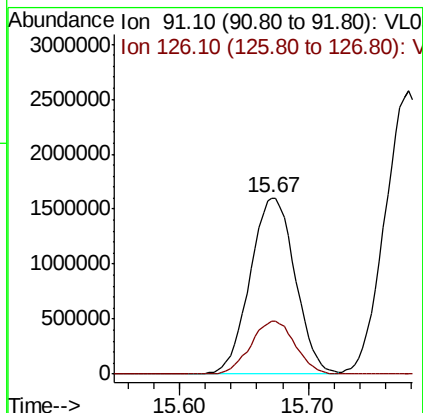
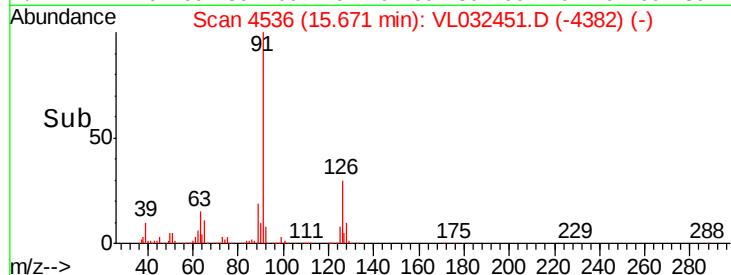
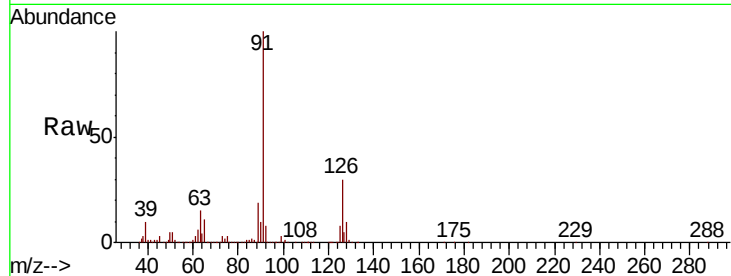
91 100

126 29.9 11.9 47.7

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#72

4-Ethyltoluene

Concen: 10.852 ppbv

RT: 16.05 min Scan# 4655

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Tgt Ion: 105 Resp: 4164239

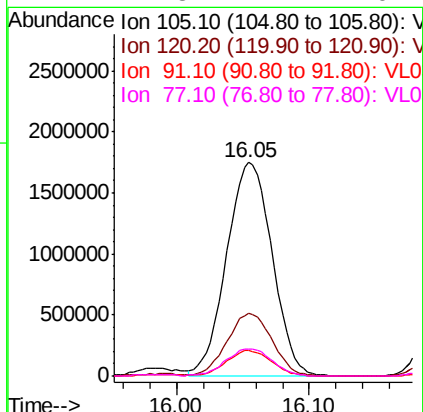
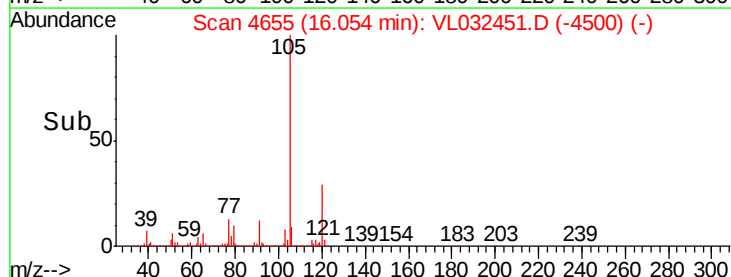
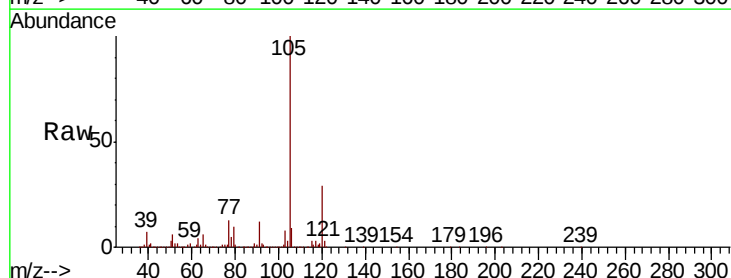
Ion Ratio Lower Upper

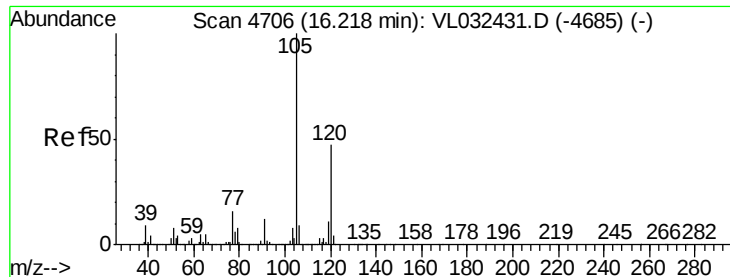
105 100

120 29.2 23.5 35.3

91 11.8 10.2 15.2

77 12.8 11.1 16.7





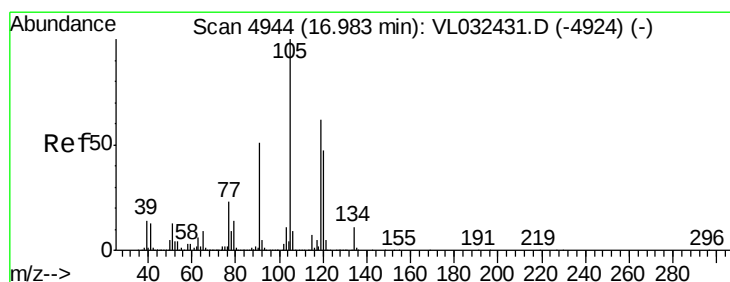
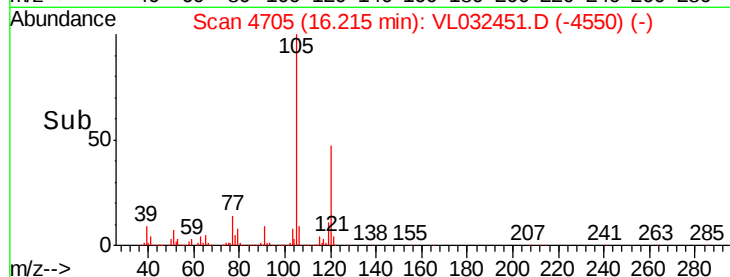
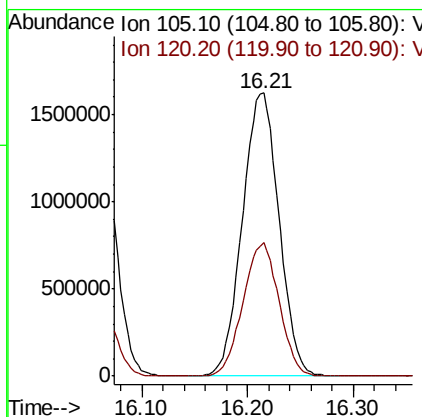
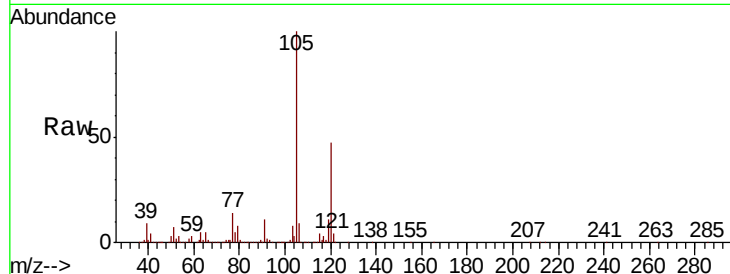
#73
 1,3,5-Trimethylbenzene
 Concen: 10.180 ppbv
 RT: 16.21 min Scan# 4705
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:105 Resp: 3913381
 Ion Ratio Lower Upper
 105 100
 120 47.4 37.9 56.9

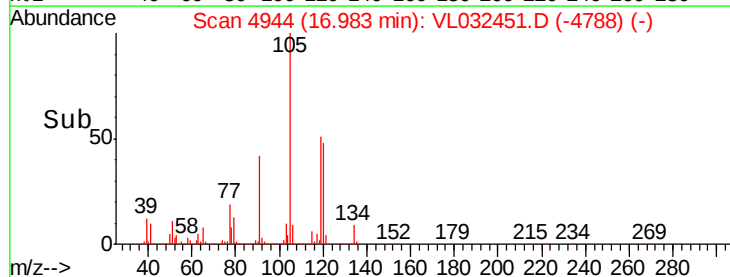
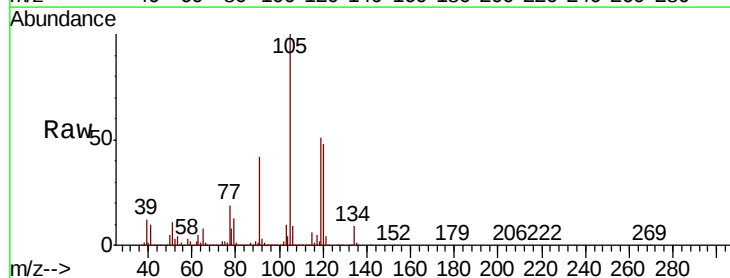
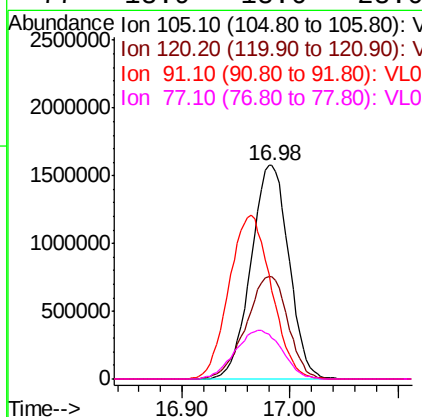
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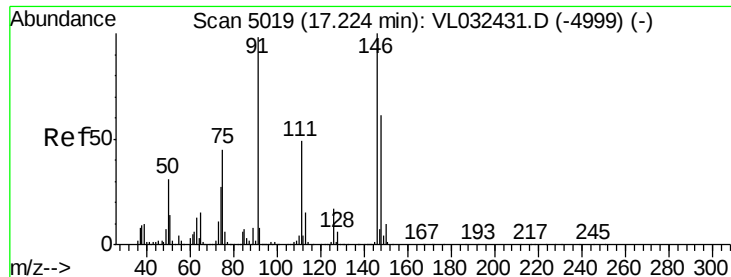
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.136 ppbv
 RT: 16.98 min Scan# 4944
 Delta R.T. 0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Tgt Ion:105 Resp: 3839679
 Ion Ratio Lower Upper
 105 100
 120 47.9 37.8 56.8
 91 41.4 41.4 62.0
 77 18.9 18.6 28.0





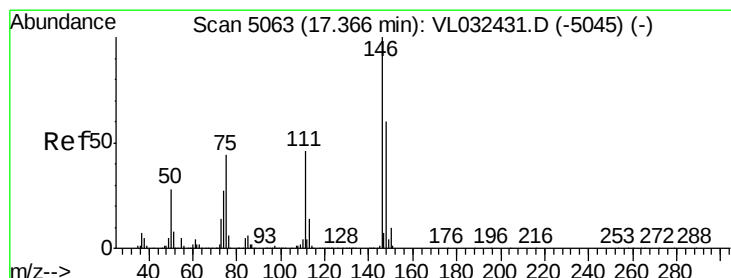
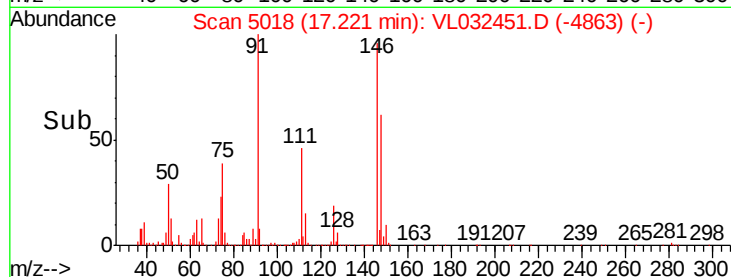
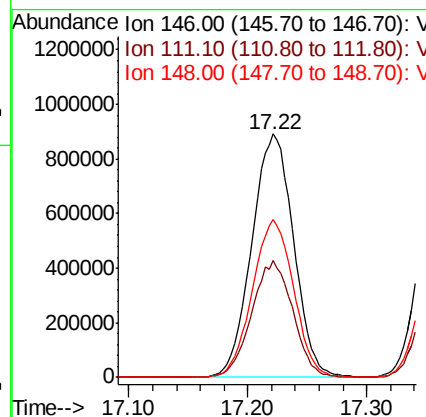
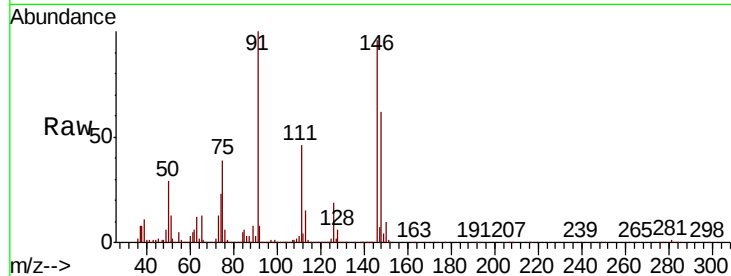
#75
 1,3-Dichlorobenzene
 Concen: 8.673 ppbv
 RT: 17.22 min Scan# 5018
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 2162937
 Ion Ratio Lower Upper
 146 100
 111 47.4 24.5 73.5
 148 64.2 32.0 96.2

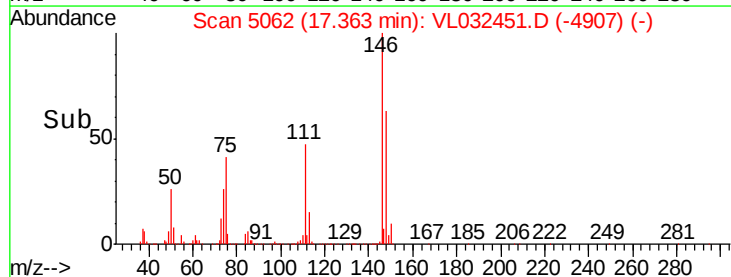
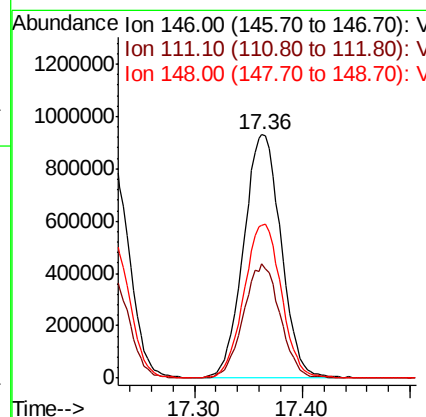
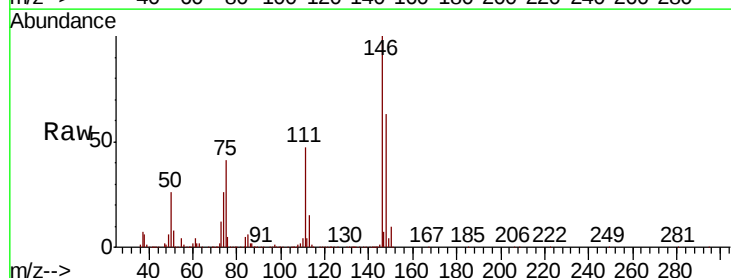
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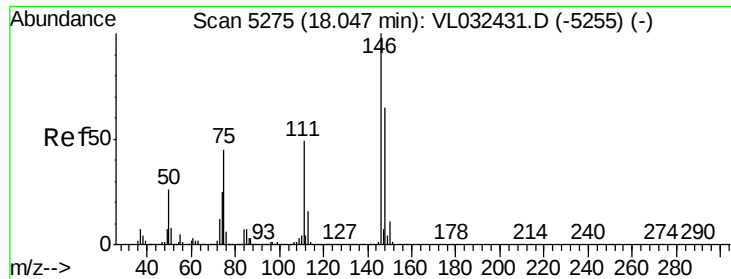
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#76
 1,4-Dichlorobenzene
 Concen: 9.617 ppbv
 RT: 17.36 min Scan# 5062
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Tgt Ion:146 Resp: 2225130
 Ion Ratio Lower Upper
 146 100
 111 46.5 23.4 70.2
 148 63.9 32.0 96.2





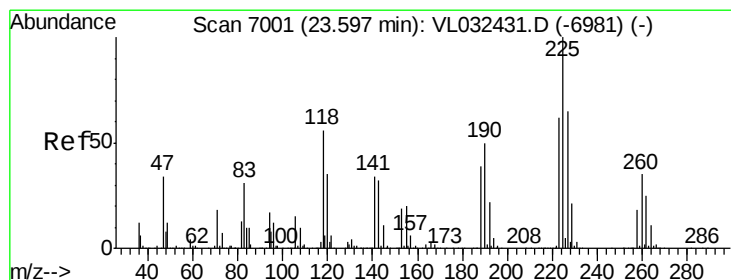
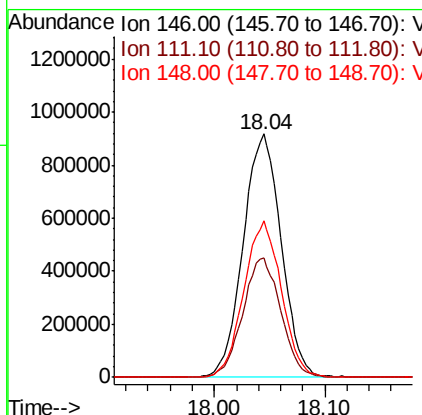
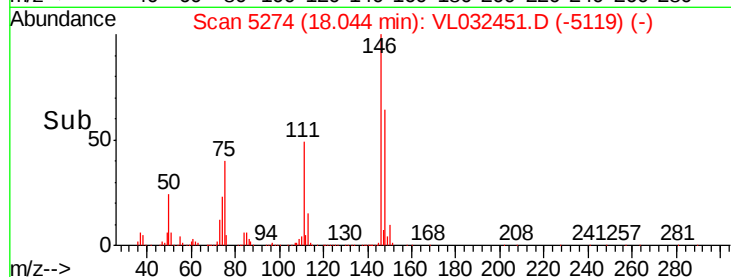
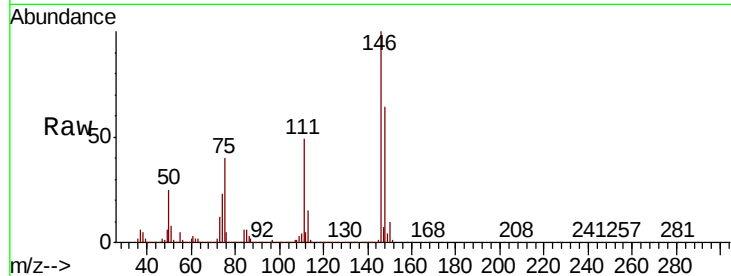
#77
 1,2-Dichlorobenzene
 Concen: 9.116 ppbv
 RT: 18.04 min Scan# 5274
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.0	24.9	74.8
148	63.7	32.0	96.0

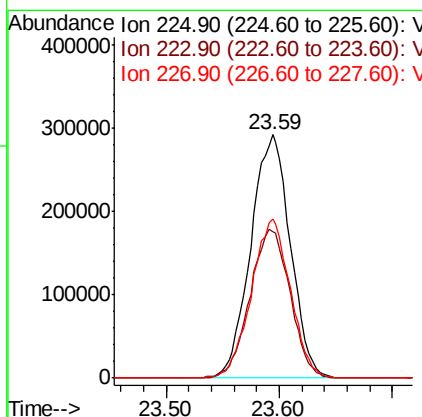
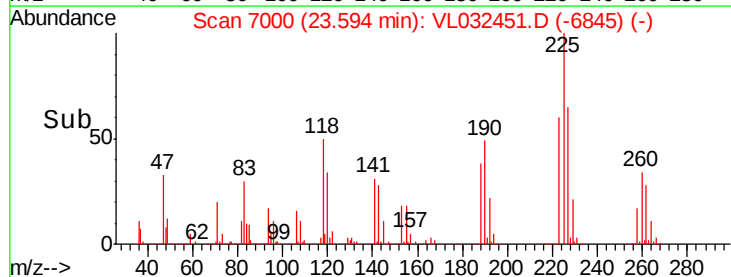
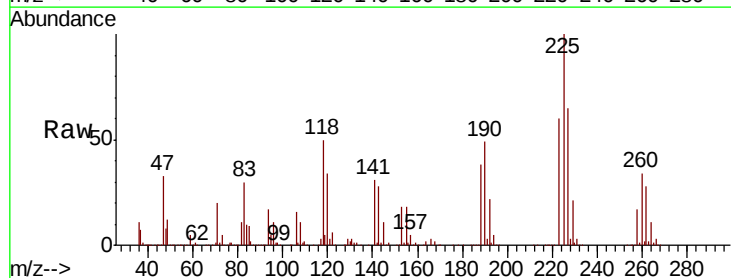
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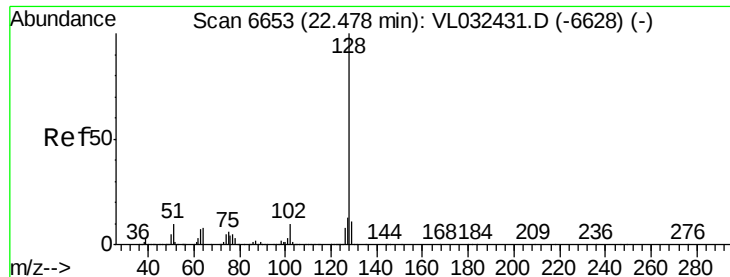
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.864 ppbv
 RT: 23.59 min Scan# 7000
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.6	76.0
227	64.5	51.2	76.8





#79

Naphthalene

Concen: 11.279 ppbv

RT: 22.47 min Scan# 6651

Delta R.T. -0.01 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:128 Resp: 3854938

Ion Ratio Lower Upper

128 100

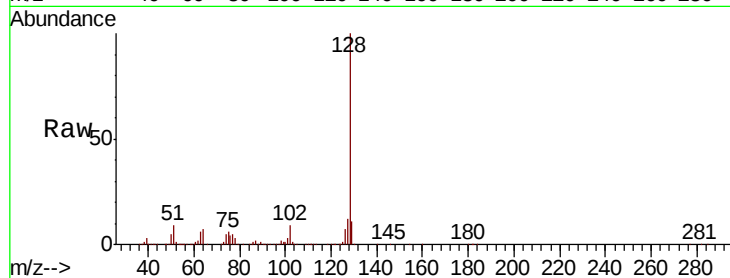
127 11.8 10.2 15.2

129 11.4 8.5 12.7

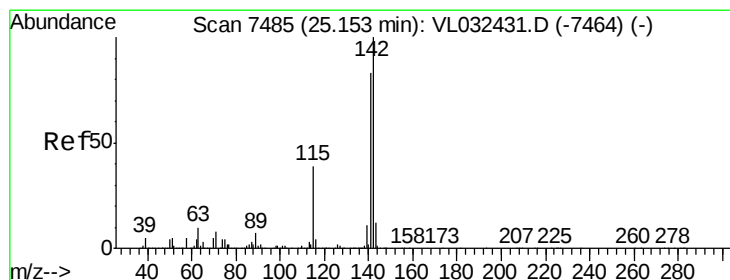
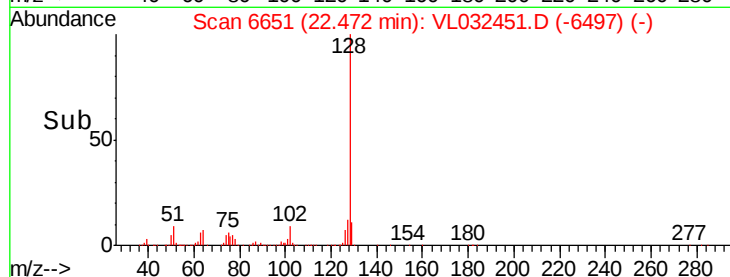
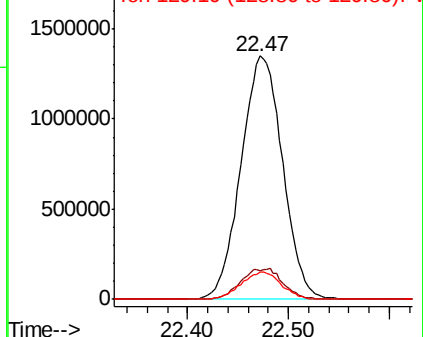
Manual Integrations
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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 19.137 ppbv

RT: 25.15 min Scan# 7485

Delta R.T. 0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

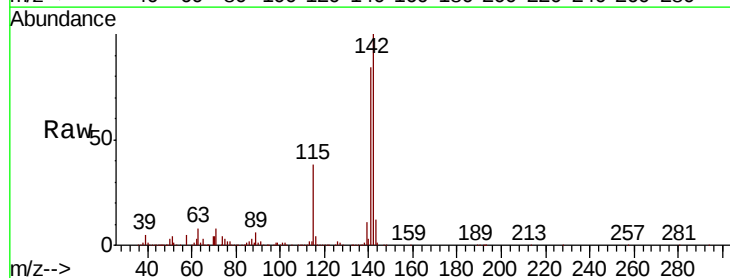
Tgt Ion:142 Resp: 1740291

Ion Ratio Lower Upper

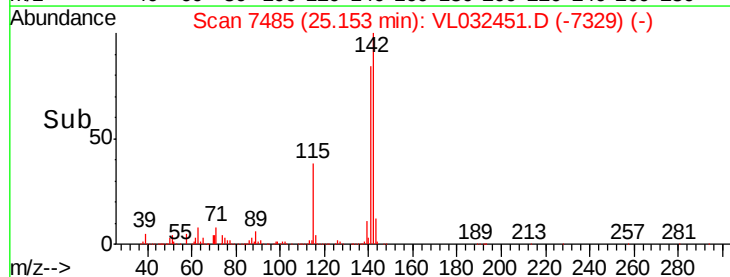
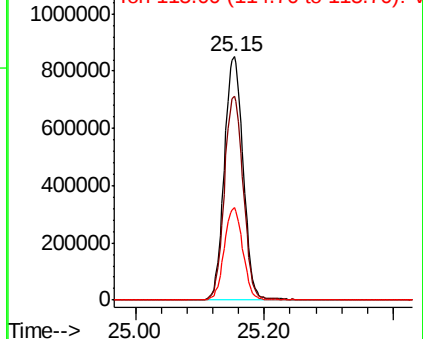
142 100

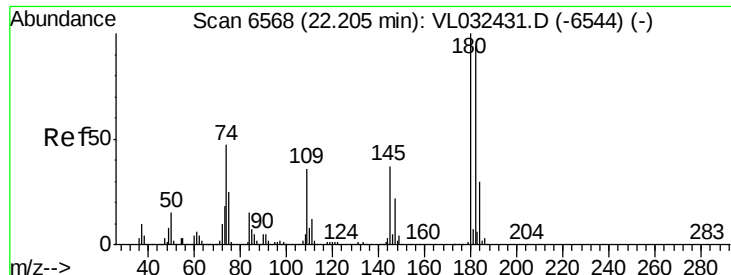
141 83.8 67.0 100.6

115 37.3 31.3 46.9



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: 10.271 ppbv
 RT: 22.20 min Scan# 6565
 Delta R.T. -0.01 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.1	114.1
184	31.0	23.8	35.8

Manual Integrations
 APPROVED

apatel
 9/4/2018 8:27:00 AM

