

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092418\
 Data File : VL032547.D
 Acq On : 25 Sep 2018 16:10
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

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 9/26/2018 5:04:23 PM

Quant Time: Sep 26 09:23:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 26 09:23:09 2018
 QLast Update : Tue Sep 25 05:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1416207	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.33	114	3285248	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.28	117	3370100m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2536450	9.98	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.09	85	1051209	8.025	ppbv 97
3) Chlorodifluoromethane	3.03	51	1207093	10.249	ppbv 100
4) Chloromethane	3.19	50	696255	10.139	ppbv 99
5) Vinyl Chloride	3.31	62	665758	9.594	ppbv 99
6) Bromomethane	3.53	94	376784	9.929	ppbv 97
7) Chloroethane	3.62	64	243200	9.836	ppbv 99
8) Dichlorotetrafluoroethane	3.24	85	1419591	9.919	ppbv 100
9) Propene	3.05	41	643526	12.594	ppbv 99
10) Heptane	8.28	43	2014659	10.749	ppbv 99
11) Trichlorofluoromethane	4.02	101	1411228	9.063	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1218631	9.574	ppbv 99
13) Ethanol	3.67	45	133567	8.696	ppbv 95
14) Bromoethene	3.81	108	438630	9.712	ppbv 99
15) Acetone	3.92	43	1203781	9.684	ppbv 100
16) 1,3-Butadiene	3.38	39	556790	11.044	ppbv 94
17) tert-Butyl alcohol	4.38	59	188000	12.035	ppbv # 100
18) 1,1-Dichloroethene	4.37	96	589693	9.892	ppbv 99
19) Isopropyl Alcohol	4.04	45	840073	9.702	ppbv # 98
20) Methylene Chloride	4.43	84	523404	8.695	ppbv 98
21) Allyl Chloride	4.50	41	1043906	10.275	ppbv 99
22) trans-1,2-Dichloroethene	4.99	96	574067	10.218	ppbv 98
23) Vinyl Acetate	5.18	43	2488878	11.330	ppbv 99
24) 1,1-Dichloroethane	5.12	63	1807574	9.882	ppbv 100
25) Ethyl Acetate	5.80	43	2972829	9.855	ppbv 100
26) Hexane	5.81	57	1379896	10.128	ppbv 99
27) Carbon Disulfide	4.64	76	1501818	10.253	ppbv 100
28) Methyl tert-Butyl Ether	5.14	73	1946084	11.466	ppbv 98
29) Chloroform	5.88	83	2080630	9.952	ppbv 95
30) Cyclohexane	7.28	84	1235651	11.138	ppbv 99
31) cis-1,2-Dichloroethene	5.67	61	1404226	10.821	ppbv 99
32) 1,1,1-Trichloroethane	6.65	97	2000432	8.979	ppbv 99
34) 2-Butanone	5.35	43	2080812	10.636	ppbv 100
35) Carbon Tetrachloride	7.17	117	2107676	9.233	ppbv 99
36) Benzene	7.04	78	2873052	10.821	ppbv 98
37) 1,2-Dichloroethane	6.44	62	1587291	9.920	ppbv 99
38) Trichloroethene	7.99	130	1045422	10.287	ppbv 98
39) 1,2-Dichloropropane	7.77	63	1220878	10.204	ppbv 98
40) 1,4-Dioxane	7.98	88	357434	9.743	ppbv # 1
41) Tetrahydrofuran	6.18	42	1284282	12.083	ppbv 99
42) Bromodichloromethane	7.95	83	2354377	9.822	ppbv 98
43) Methyl Methacrylate	8.17	69	1255146	11.317	ppbv 100

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 ClientSampleId :
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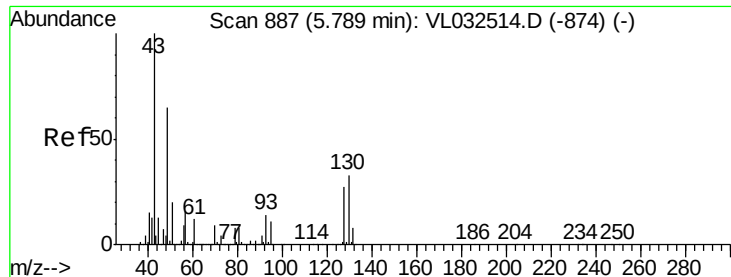
Manual Integrations
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Quant Time: Sep 26 09:23:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 26 09:23:09 2018
 QLast Update : Tue Sep 25 05:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.02	57	5262494	10.142	ppbv	100
45) t-1,3-Dichloropropene	9.45	75	1666720	12.081	ppbv	100
46) cis-1,3-Dichloropropene	8.87	75	1778591	10.991	ppbv	99
47) 1,1,2-Trichloroethane	9.65	97	1293027	9.730	ppbv	98
48) Dibromochloromethane	10.49	129	2123415	10.162	ppbv	99
49) Bromoform	13.24	173	1582201	9.910	ppbv	100
50) 4-Methyl-2-Pentanone	8.90	43	3059809	9.950	ppbv	99
51) 2-Hexanone	10.30	43	2841075	11.171	ppbv #	99
52) Tetrachloroethene	11.41	164	903659	9.775	ppbv	97
53) Toluene	9.98	91	3652814	11.290	ppbv	99
54) 1,2-Dibromoethane	10.79	107	1954768	10.342	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.32	131	1401867	9.254	ppbv #	59
57) Chlorobenzene	12.34	112	2489281	9.169	ppbv	98
58) Ethyl Benzene	12.90	91	4514340	11.043	ppbv	97
59) m/p-Xylene	13.19	91	7316522m	20.116	ppbv	
60) o-Xylene	13.89	91	3614118	10.206	ppbv	100
61) Styrene	13.72	104	2657023	11.470	ppbv	99
62) Isopropylbenzene	14.87	105	5077147	10.138	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.87	83	2681202	8.523	ppbv	99
64) n-propylbenzene	15.76	120	1294916	10.065	ppbv	96
65) tert-Butylbenzene	16.95	119	4220101	9.832	ppbv	99
66) Benzyl Chloride	17.19	91	2516202	10.171	ppbv	100
67) sec-Butylbenzene	17.50	105	6269868	9.825	ppbv	99
69) p-Isopropyltoluene	17.85	119	4926496	9.995	ppbv	99
70) n-Butylbenzene	18.75	91	5388924	10.009	ppbv	99
71) 2-Chlorotoluene	15.65	91	3951716	10.360	ppbv	99
72) 4-Ethyltoluene	16.04	105	4124700	10.731	ppbv	100
73) 1,3,5-Trimethylbenzene	16.20	105	3929256	10.519	ppbv	97
74) 1,2,4-Trimethylbenzene	16.96	105	3925376	9.760	ppbv	100
75) 1,3-Dichlorobenzene	17.20	146	2139665	8.621	ppbv	99
76) 1,4-Dichlorobenzene	17.34	146	2155739m	9.487	ppbv	
77) 1,2-Dichlorobenzene	18.02	146	2106910	9.027	ppbv	99
78) Hexachloro-1,3-Butadiene	23.58	225	1216300	13.885	ppbv	99
79) Naphthalene	22.45	128	3251869	11.210	ppbv	99
80) Naphthalene, 2-methyl-	25.14	142	1061973	15.594	ppbv	98
81) 1,2,4-Trichlorobenzene	22.18	180	1554446	10.455	ppbv	99

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



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.79 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

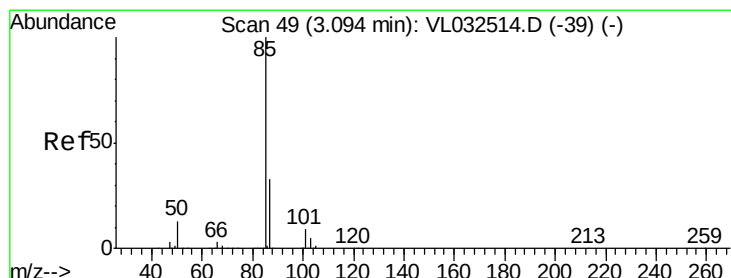
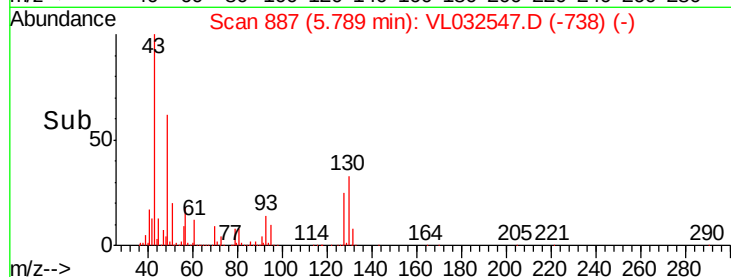
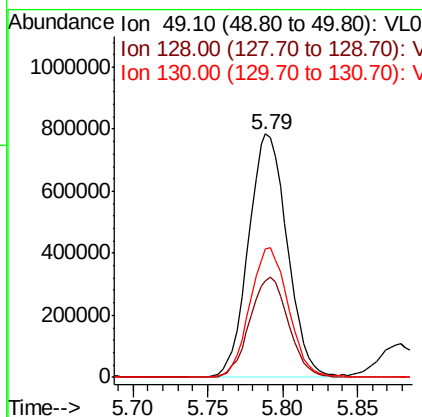
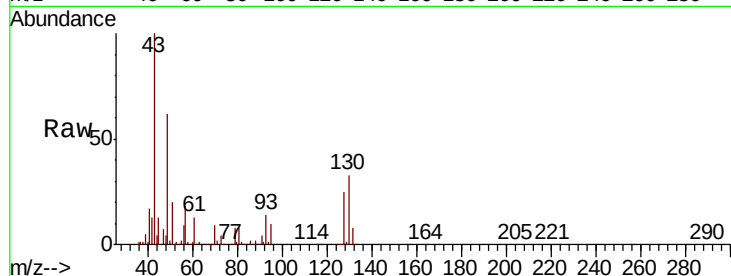
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 49 Resp: 1416207

Ion	Ratio	Lower	Upper
49	100		
128	41.3	20.7	62.1
130	53.2	26.6	79.7

Manual Integrations
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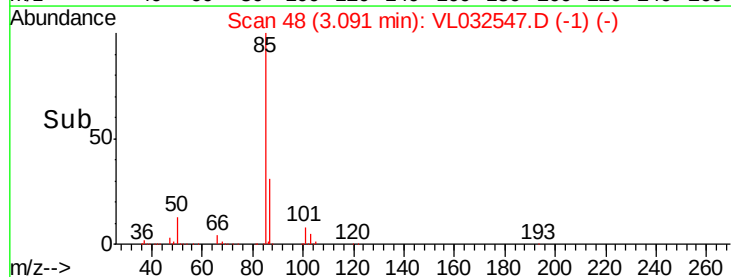
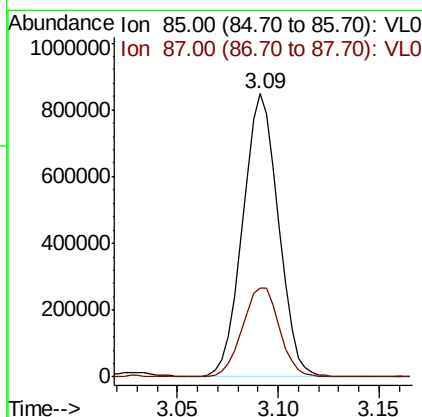
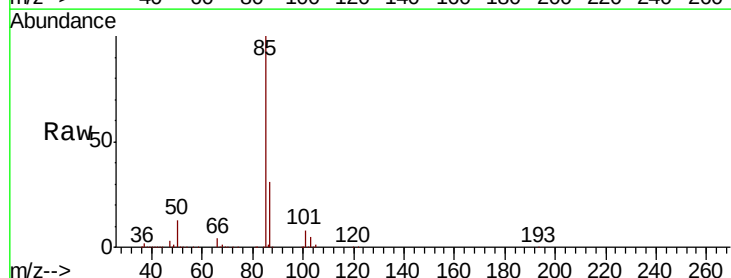
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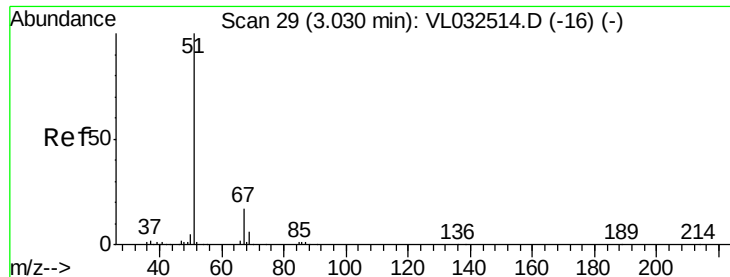


#2
 Dichlorodifluoromethane
 Concen: 8.025 ppbv
 RT: 3.09 min Scan# 48
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Tgt Ion: 85 Resp: 1051209

Ion	Ratio	Lower	Upper
85	100		
87	31.3	26.2	39.4





#3

Chlorodifluoromethane

Concen: 10.249 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.01 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 1207093

Ion Ratio Lower Upper

51 100

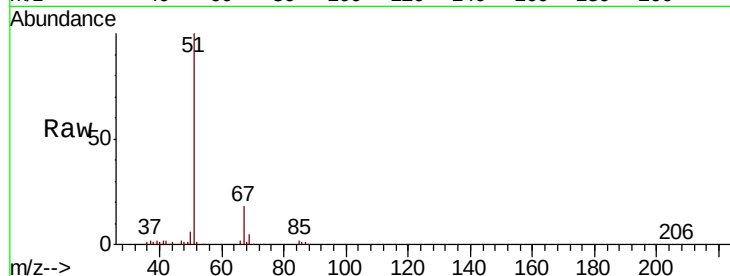
67 17.2 13.8 20.8

Manual Integrations

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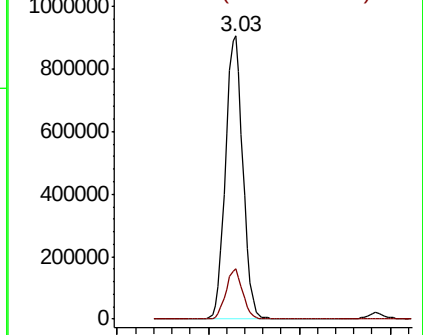
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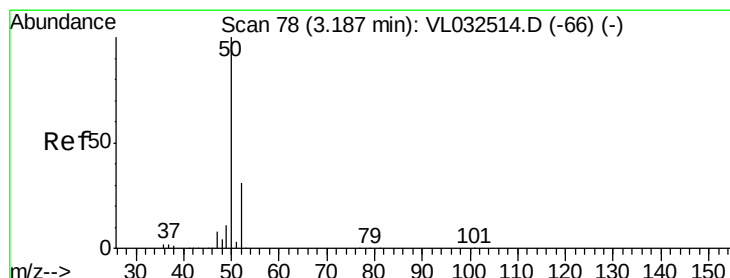
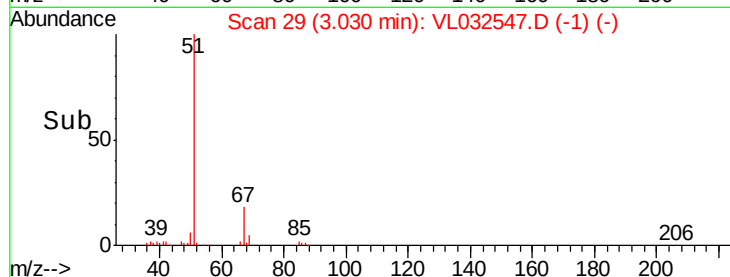


Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



Time-->



#4

Chloromethane

Concen: 10.139 ppbv

RT: 3.19 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL032547.D

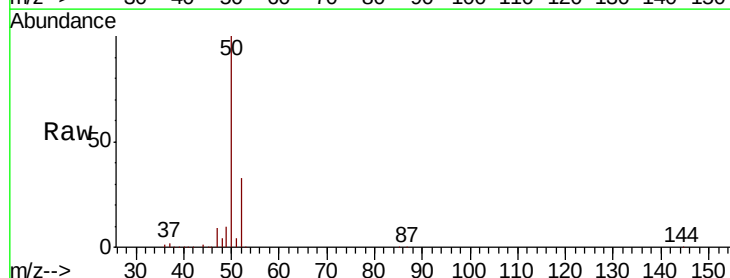
Acq: 25 Sep 2018 16:10

Tgt Ion: 50 Resp: 696255

Ion Ratio Lower Upper

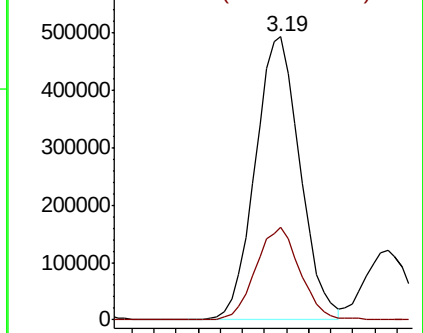
50 100

52 32.6 25.6 38.4

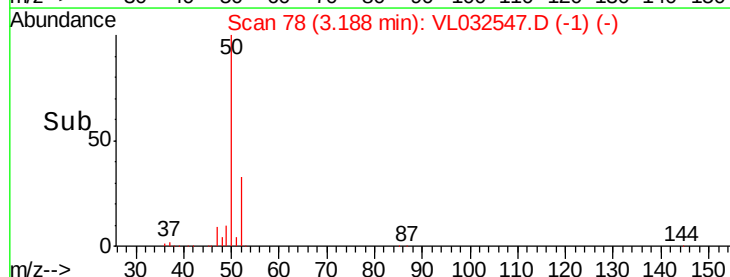


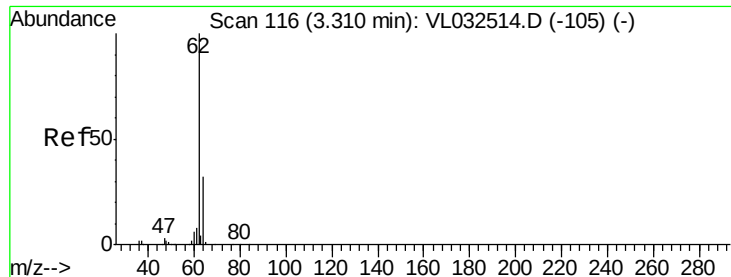
Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



Time-->





#5

Vinyl Chloride

Concen: 9.594 ppbv

RT: 3.31 min Scan# 115

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 665758

Ion Ratio Lower Upper

62 100

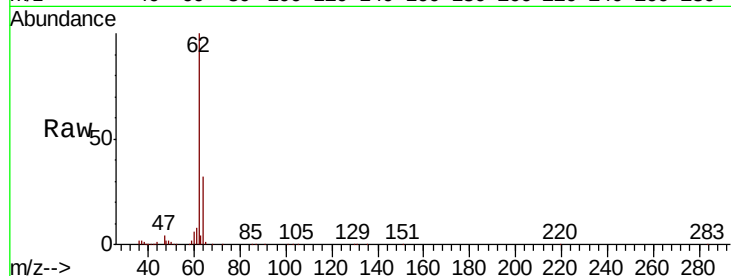
64 31.8 25.0 37.6

Manual Integrations

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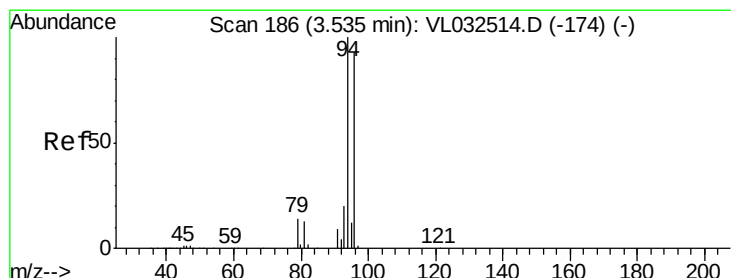
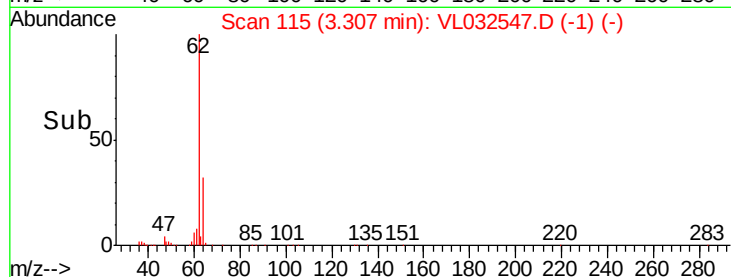
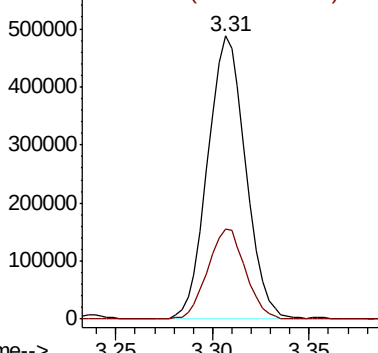
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.929 ppbv

RT: 3.53 min Scan# 185

Delta R.T. -0.02 min

Lab File: VL032547.D

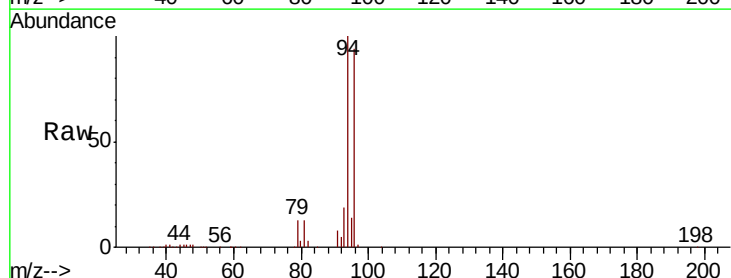
Acq: 25 Sep 2018 16:10

Tgt Ion: 94 Resp: 376784

Ion Ratio Lower Upper

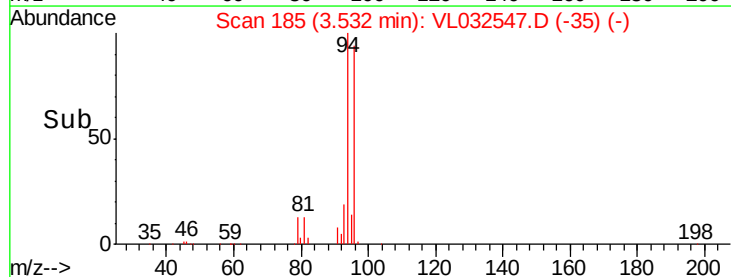
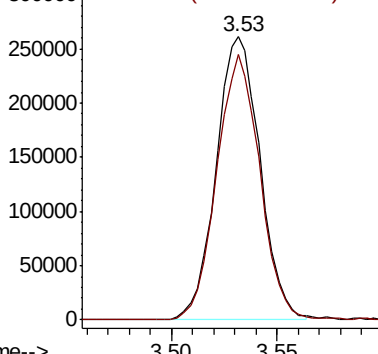
94 100

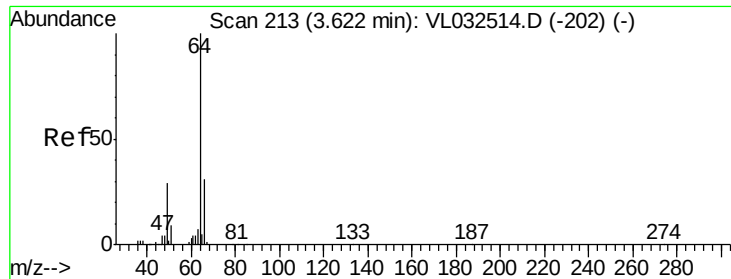
96 93.7 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.836 ppbv

RT: 3.62 min Scan# 212

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 243200

Ion Ratio Lower Upper

64 100

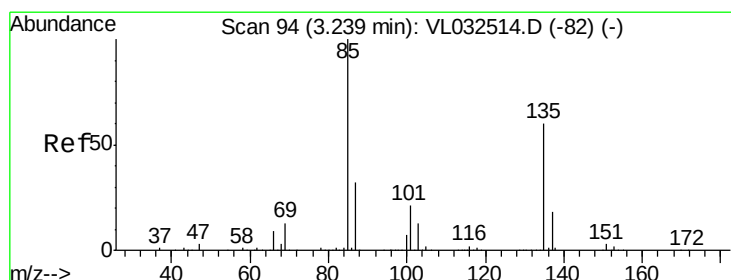
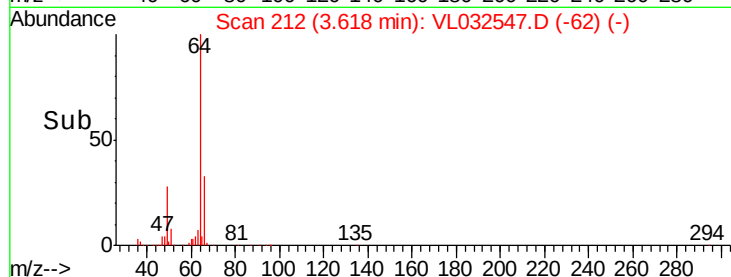
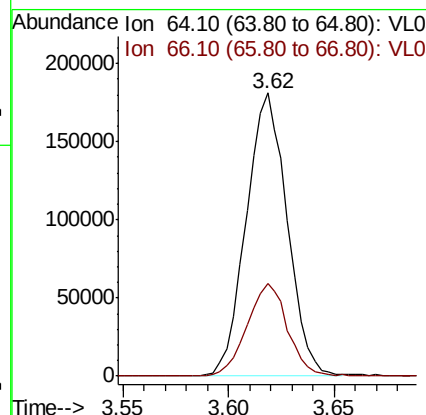
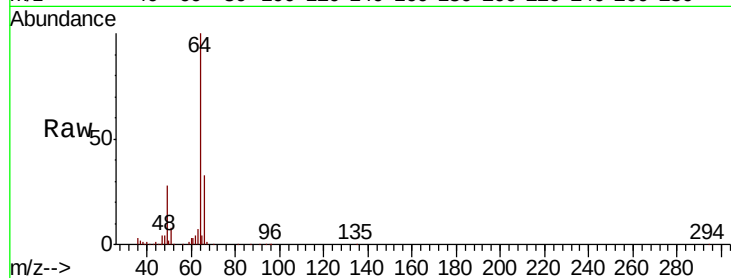
66 32.6 25.8 38.6

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.919 ppbv

RT: 3.24 min Scan# 93

Delta R.T. -0.02 min

Lab File: VL032547.D

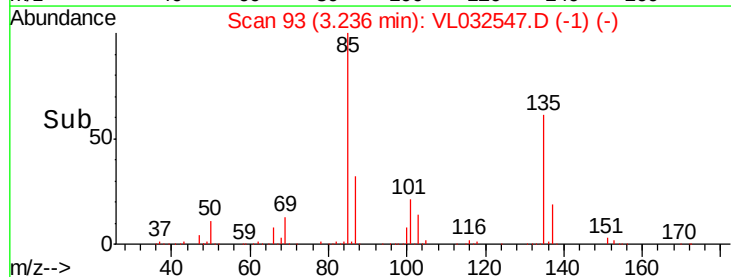
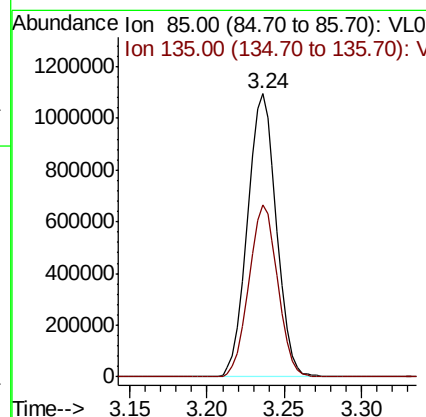
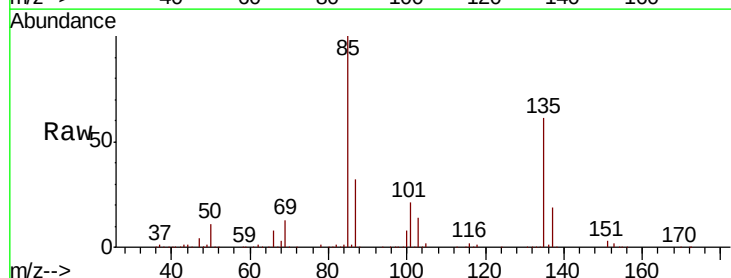
Acq: 25 Sep 2018 16:10

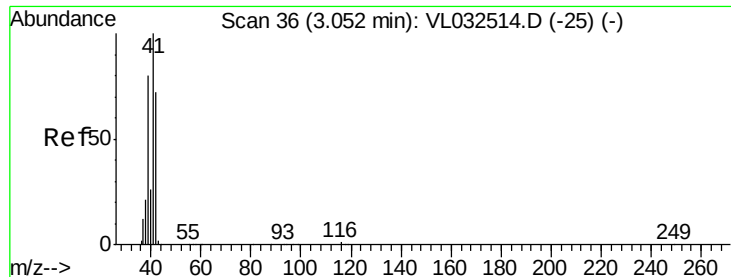
Tgt Ion: 85 Resp: 1419591

Ion Ratio Lower Upper

85 100

135 61.0 48.6 72.8





#9

Propene

Concen: 12.594 ppbv

RT: 3.05 min Scan# 35

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 643526

Ion Ratio Lower Upper

41 100

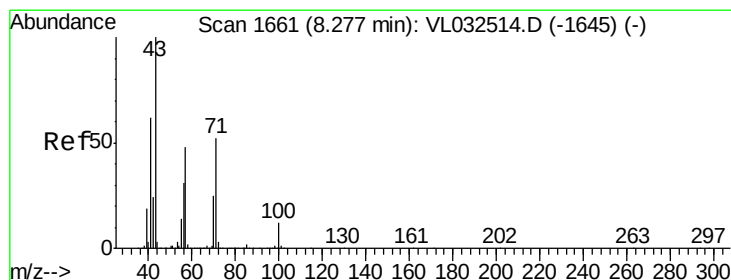
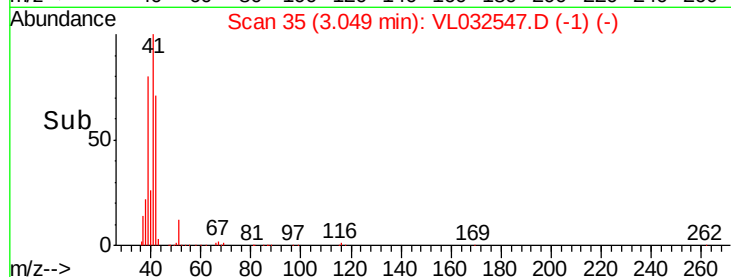
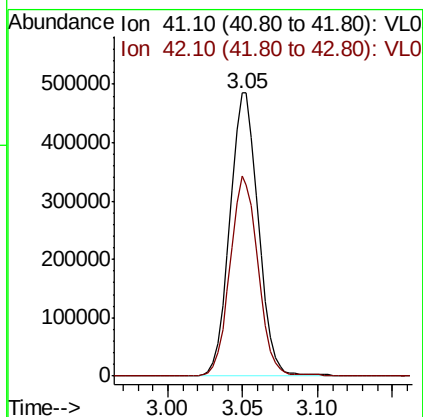
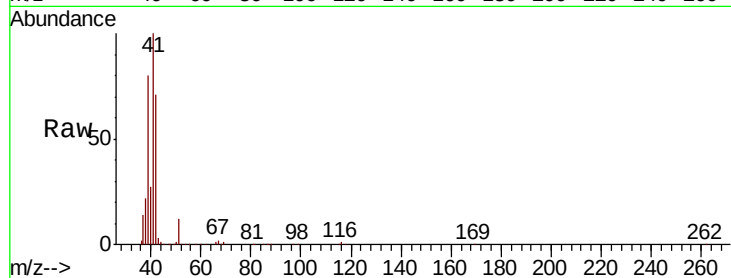
42 69.8 56.6 84.8

Manual Integrations

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#10

Heptane

Concen: 10.749 ppbv

RT: 8.28 min Scan# 1661

Delta R.T. -0.02 min

Lab File: VL032547.D

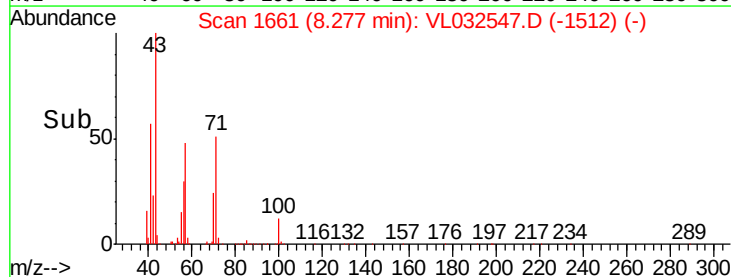
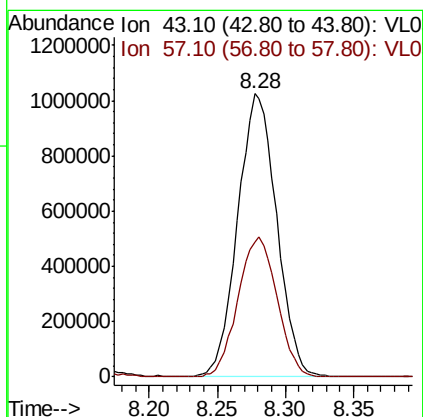
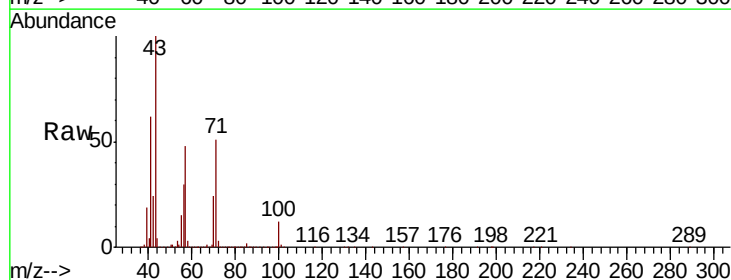
Acq: 25 Sep 2018 16:10

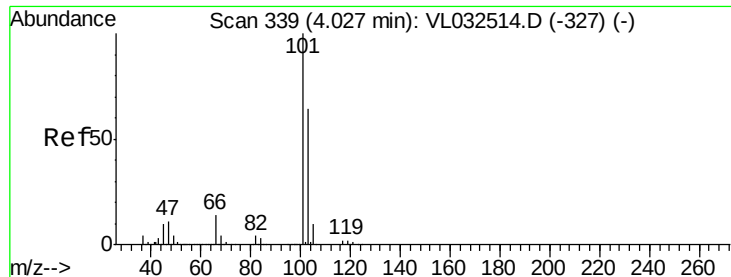
Tgt Ion: 43 Resp: 2014659

Ion Ratio Lower Upper

43 100

57 49.9 39.6 59.4





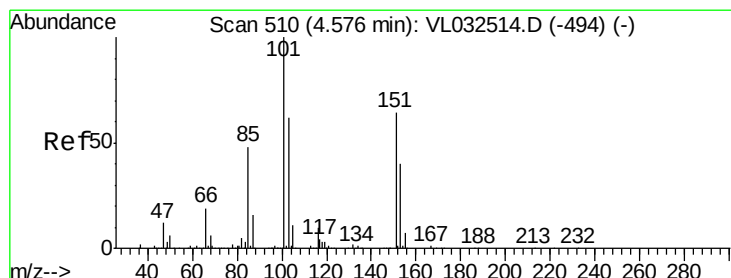
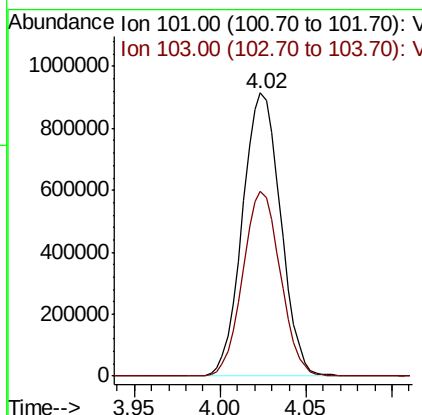
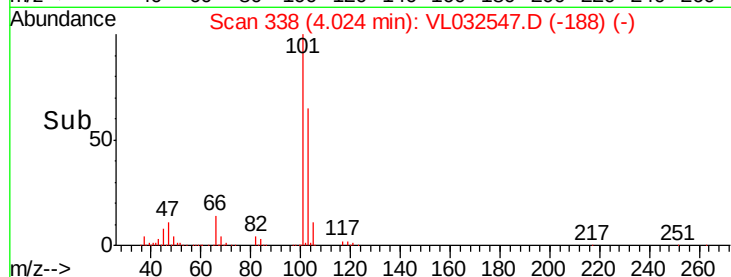
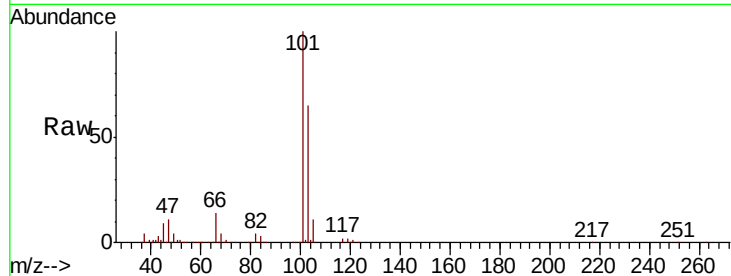
#11
 Trichlorofluoromethane
 Concen: 9.063 ppbv
 RT: 4.02 min Scan# 338
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1411228
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.8 79.2

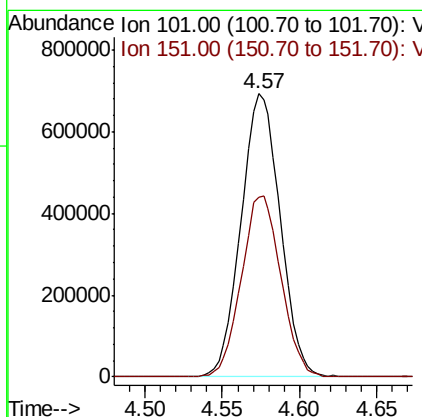
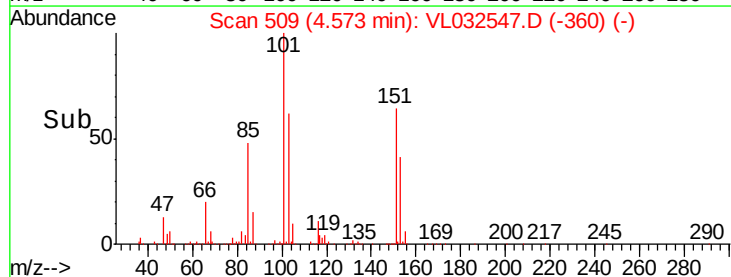
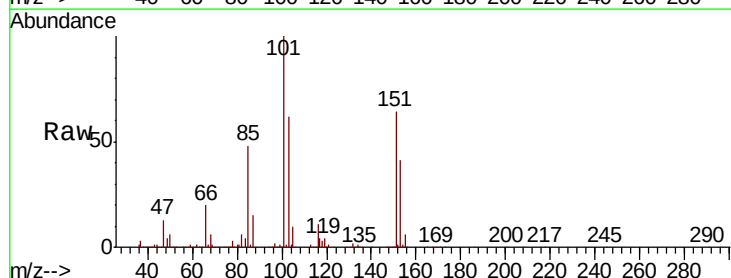
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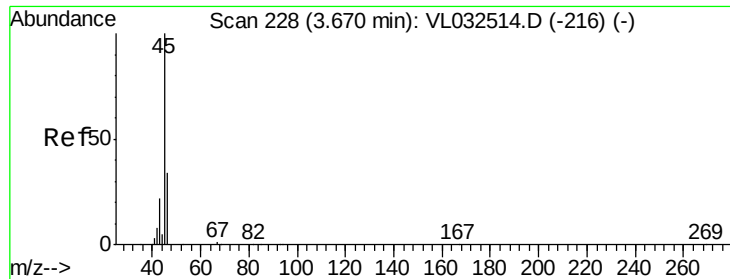
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.574 ppbv
 RT: 4.57 min Scan# 509
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Tgt Ion:101 Resp: 1218631
 Ion Ratio Lower Upper
 101 100
 151 64.9 52.6 78.8





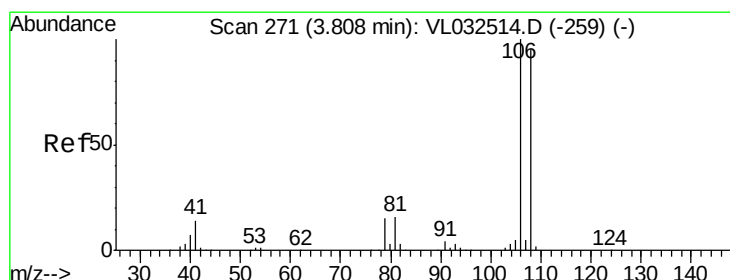
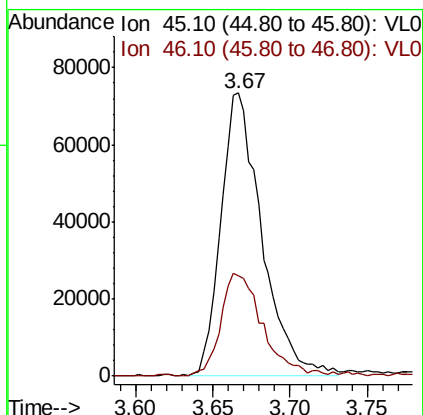
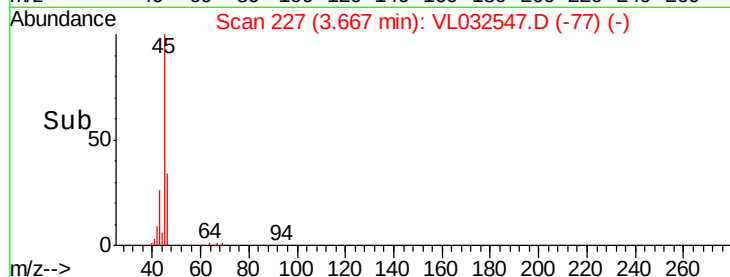
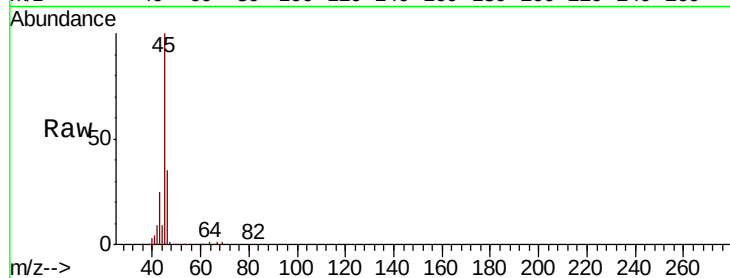
#13
Ethanol
Concen: 8.696 ppbv
RT: 3.67 min Scan# 227
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
46	38.2	14.2	56.8

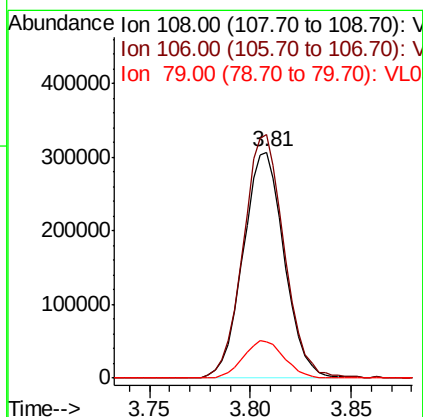
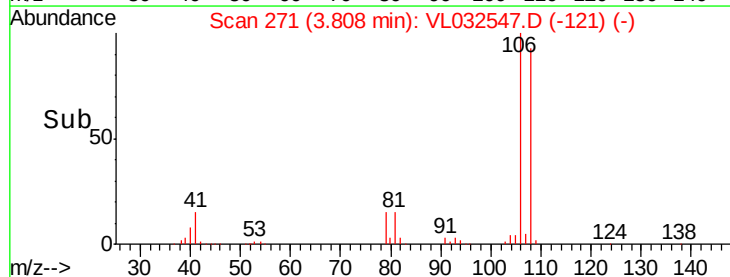
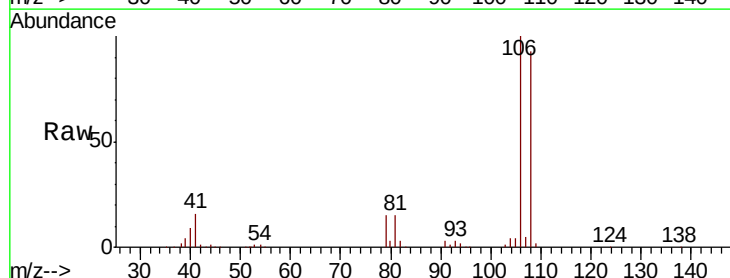
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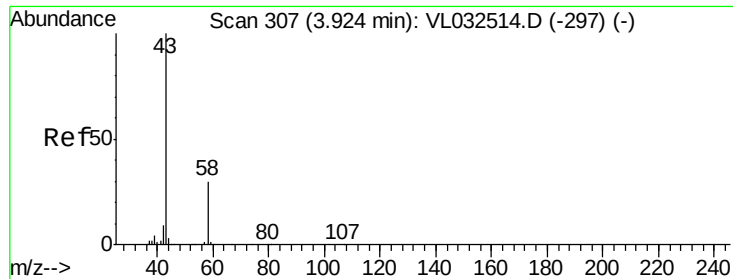
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#14
Bromoethene
Concen: 9.712 ppbv
RT: 3.81 min Scan# 271
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
108	100		
106	108.0	85.5	128.3
79	16.9	13.0	19.6





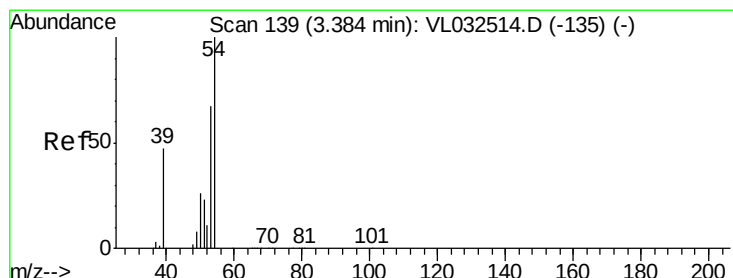
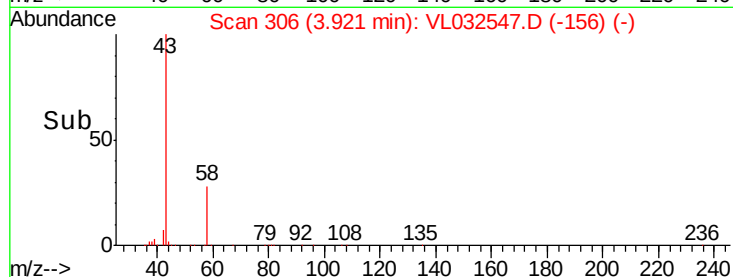
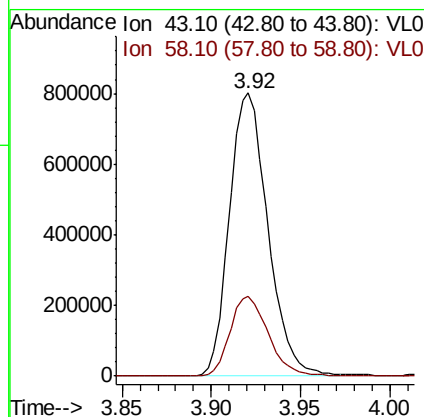
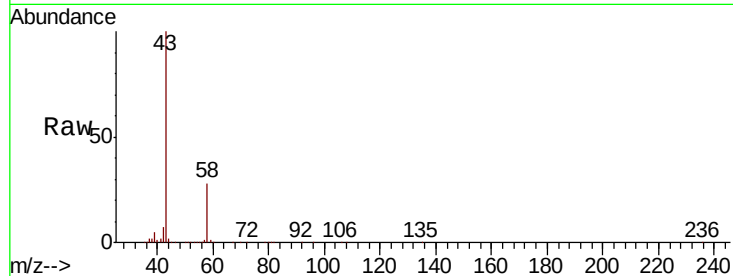
#15
Acetone
Concen: 9.684 ppbv
RT: 3.92 min Scan# 306
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1203781
Ion Ratio Lower Upper
43 100
58 28.1 22.6 33.8

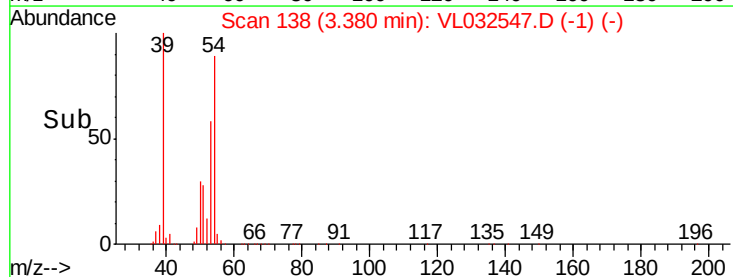
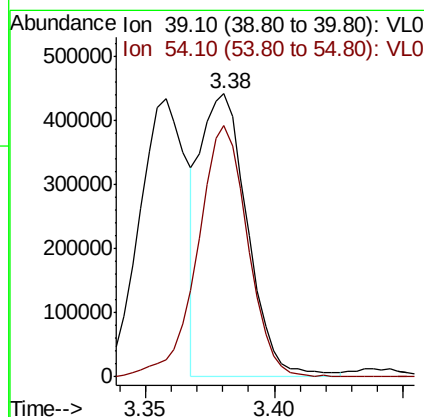
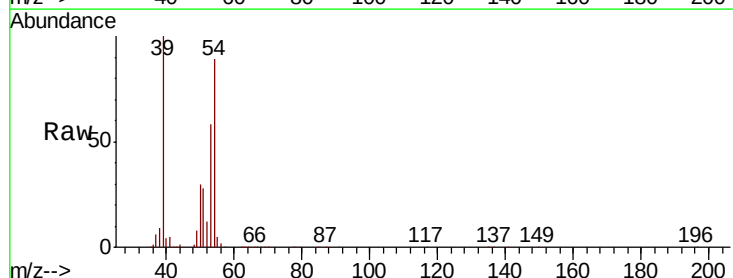
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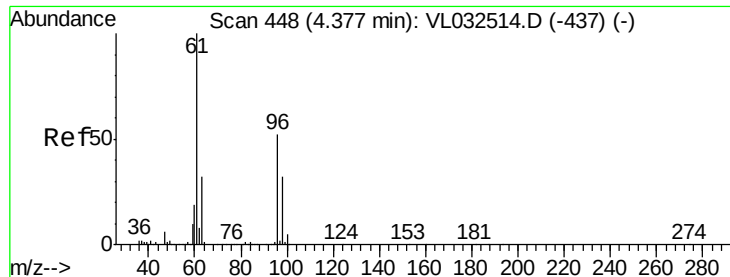
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#16
1,3-Butadiene
Concen: 11.044 ppbv
RT: 3.38 min Scan# 138
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Tgt Ion: 39 Resp: 556790
Ion Ratio Lower Upper
39 100
54 95.5 80.8 121.2





#17

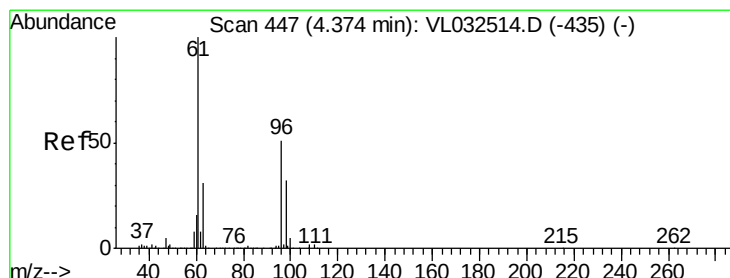
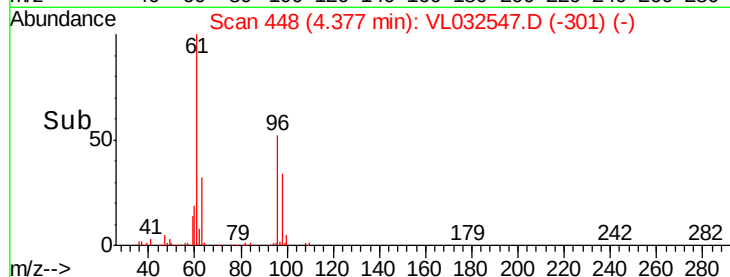
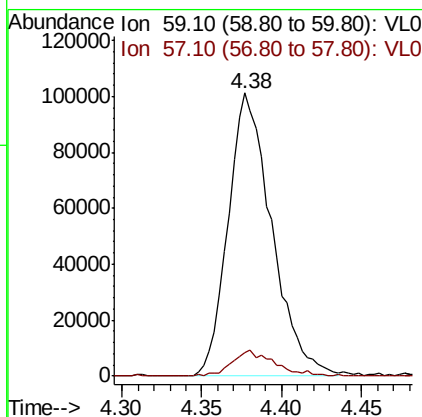
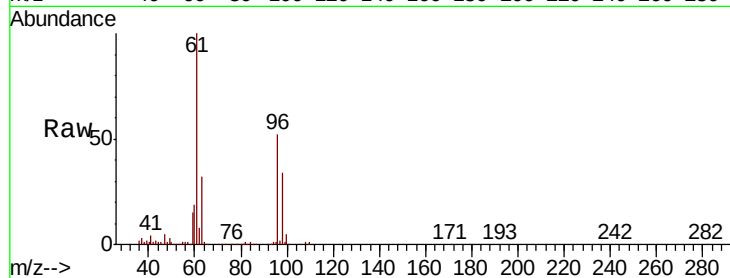
tert-Butyl alcohol
Concen: 12.035 ppbv
RT: 4.38 min Scan# 448
Delta R.T. -0.03 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	188000		
57	9.0	0.0	0.0	0.0

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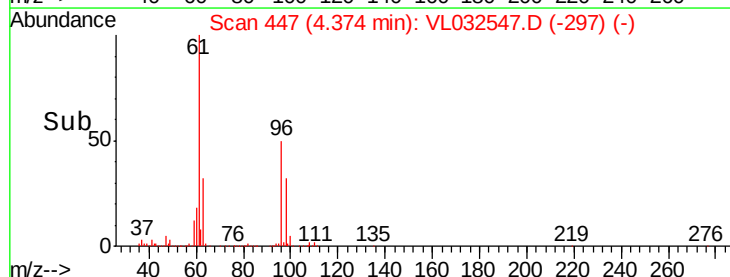
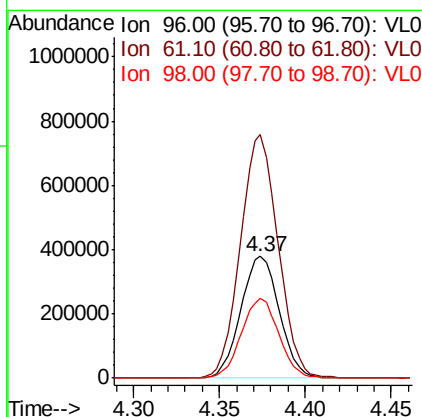
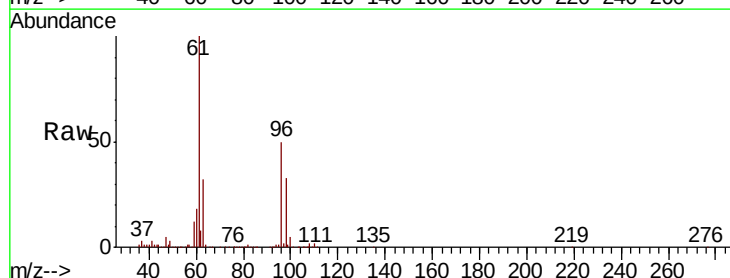
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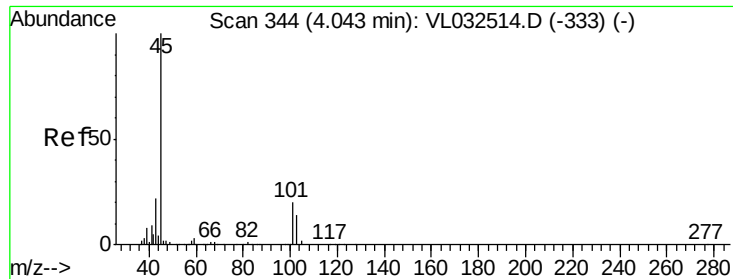


#18

1,1-Dichloroethene
Concen: 9.892 ppbv
RT: 4.37 min Scan# 447
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	589693		
61	199.9	159.2	238.8	
98	65.0	51.0	76.4	





#19

Isopropyl Alcohol

Concen: 9.702 ppbv

RT: 4.04 min Scan# 344

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 840073

Ion Ratio Lower Upper

45 100

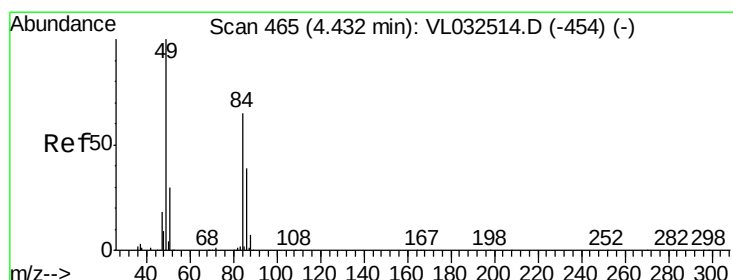
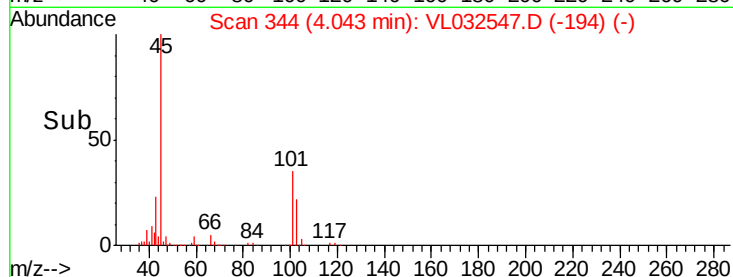
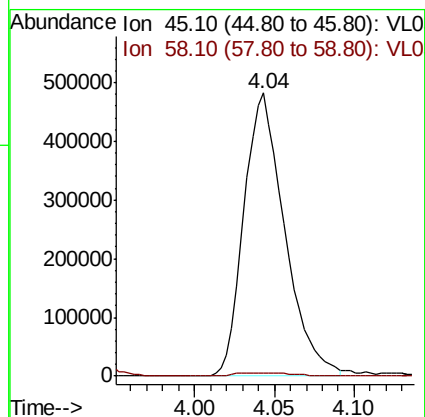
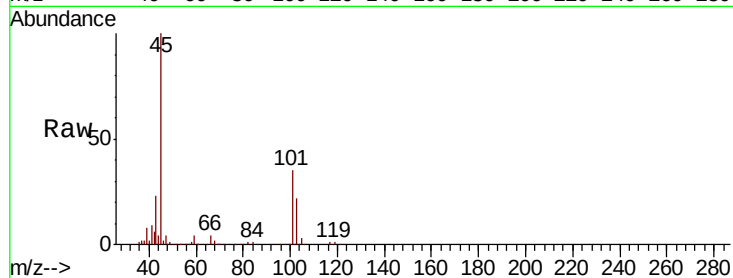
58 1.7 2.0 3.0#

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#20

Methylene Chloride

Concen: 8.695 ppbv

RT: 4.43 min Scan# 464

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Tgt Ion: 84 Resp: 523404

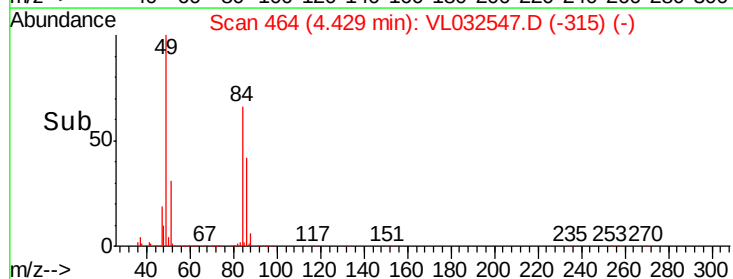
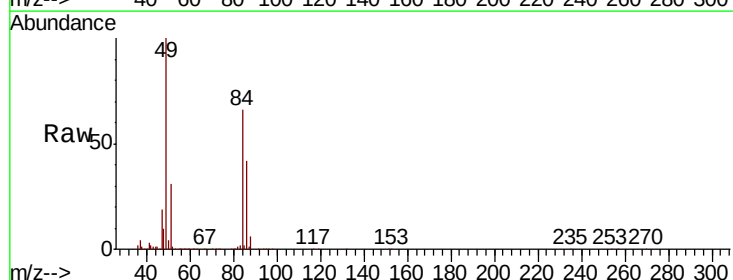
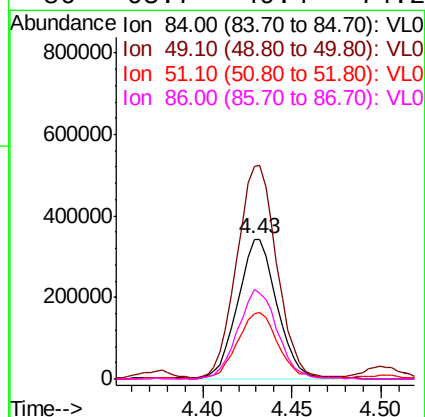
Ion Ratio Lower Upper

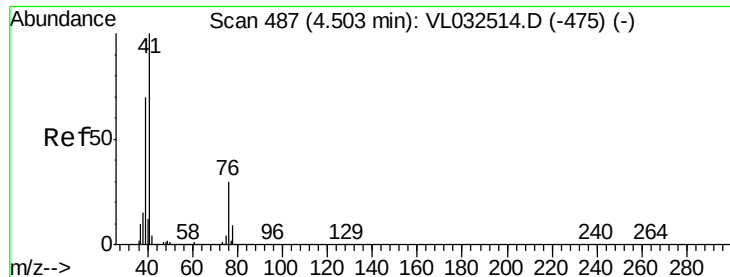
84 100

49 151.0 119.1 178.7

51 46.8 35.2 52.8

86 63.7 49.4 74.2





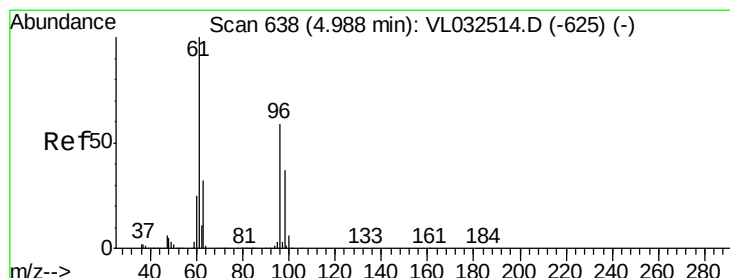
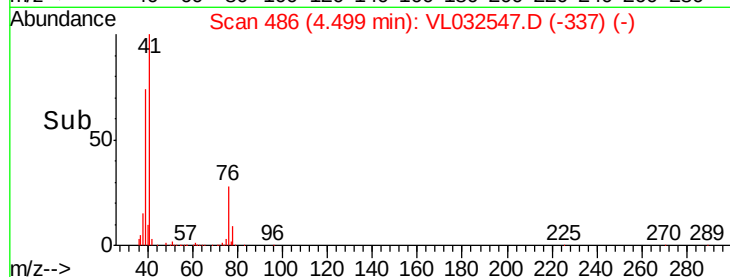
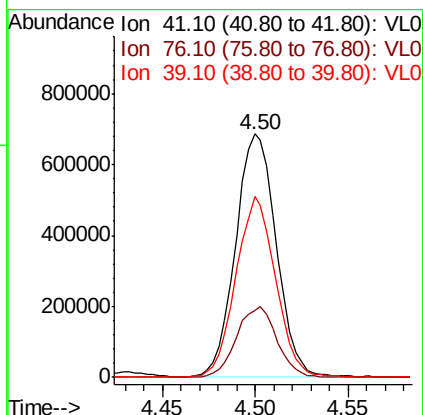
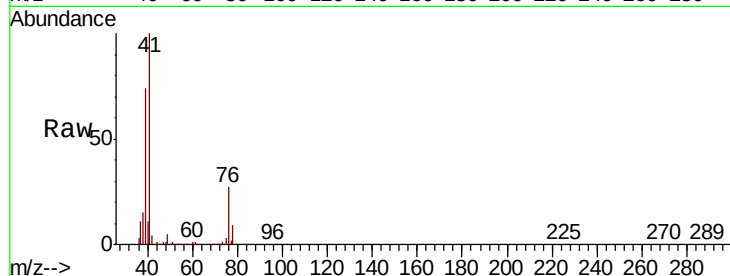
#21
Allvl Chloride
Concen: 10.275 ppbv
RT: 4.50 min Scan# 486
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 41 Resp: 1043906
Ion Ratio Lower Upper
41 100
76 29.1 23.6 35.4
39 72.7 57.7 86.5

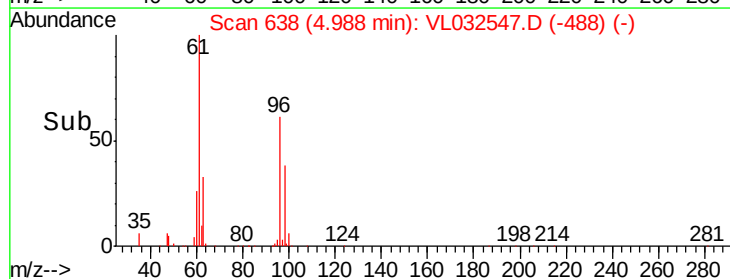
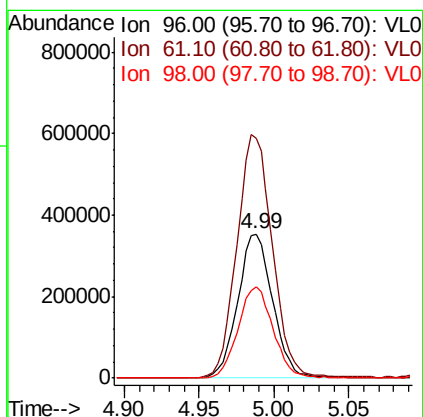
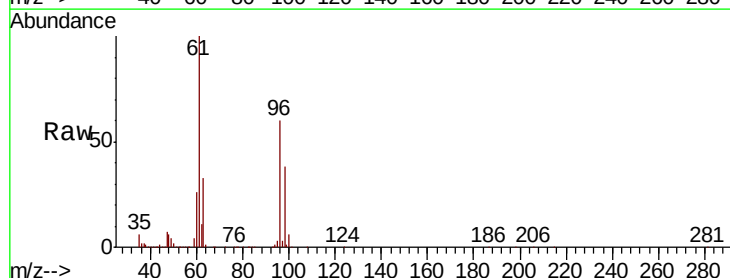
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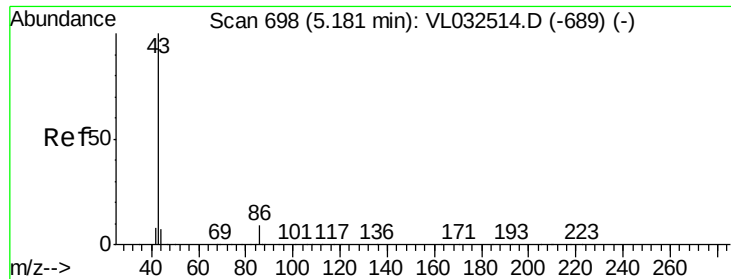
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#22
trans-1,2-Dichloroethene
Concen: 10.218 ppbv
RT: 4.99 min Scan# 638
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Tgt Ion: 96 Resp: 574067
Ion Ratio Lower Upper
96 100
61 166.2 136.2 204.4
98 62.9 50.4 75.6





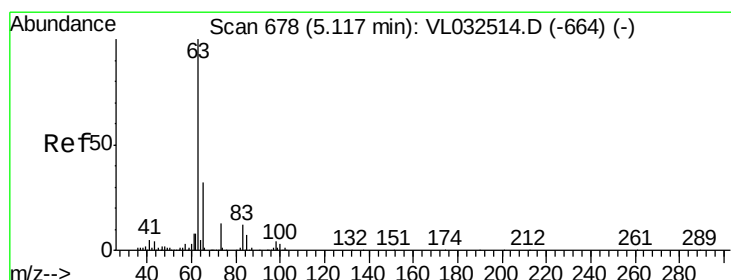
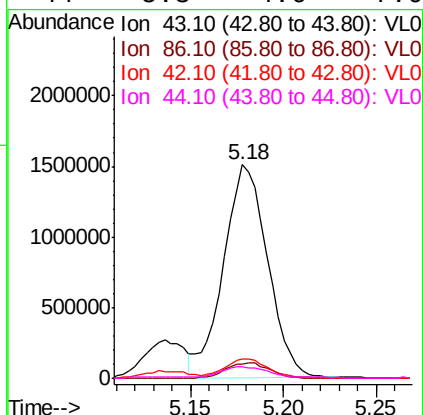
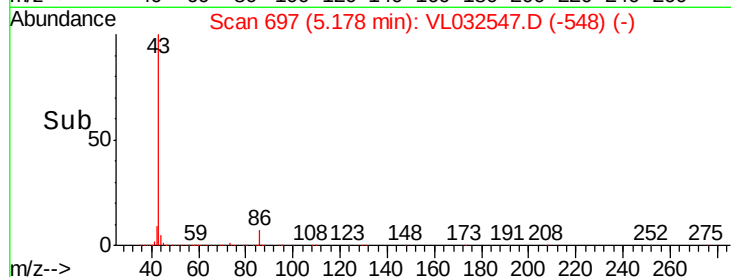
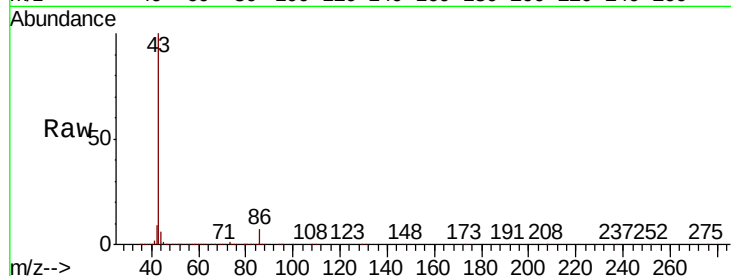
#23
 Vinyl Acetate
 Concen: 11.330 ppbv
 RT: 5.18 min Scan# 697
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	6.9	5.9	8.9	
42	8.9	6.9	10.3	
44	5.3	4.6	7.0	

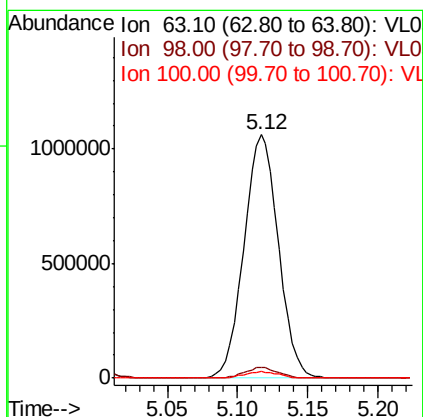
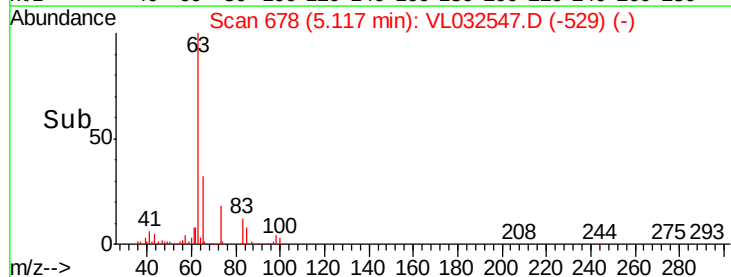
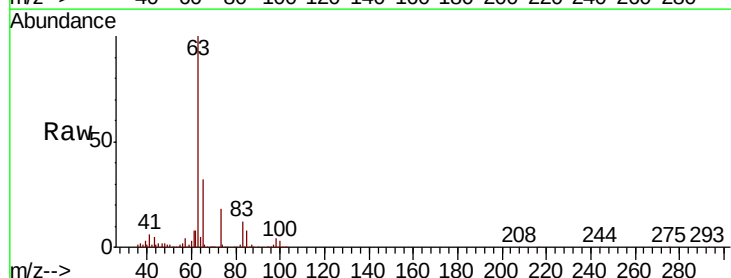
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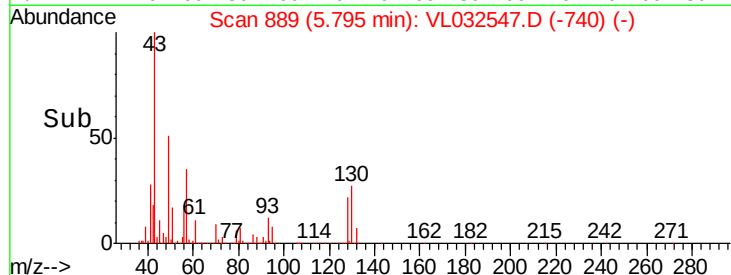
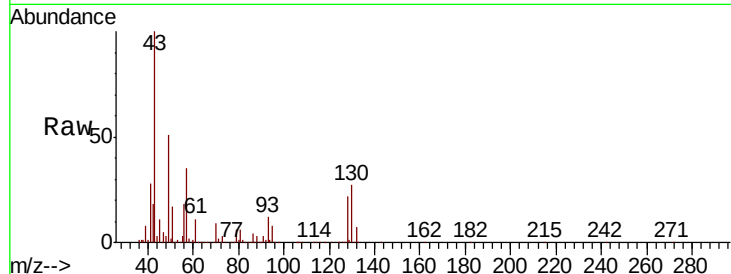
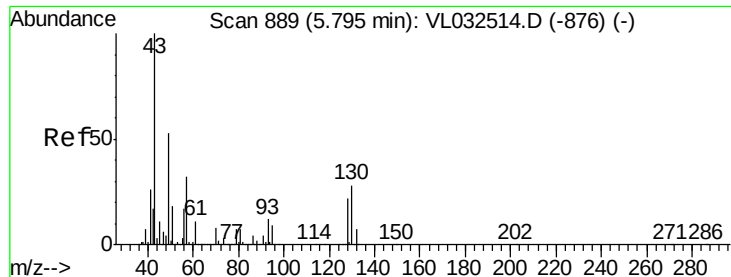
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#24
 1,1-Dichloroethane
 Concen: 9.882 ppbv
 RT: 5.12 min Scan# 678
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	4.3	2.1	6.5	
100	2.8	1.5	4.4	





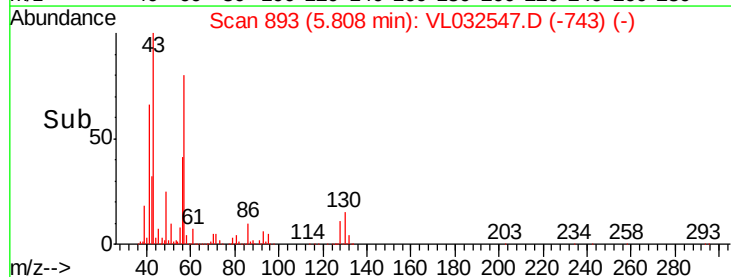
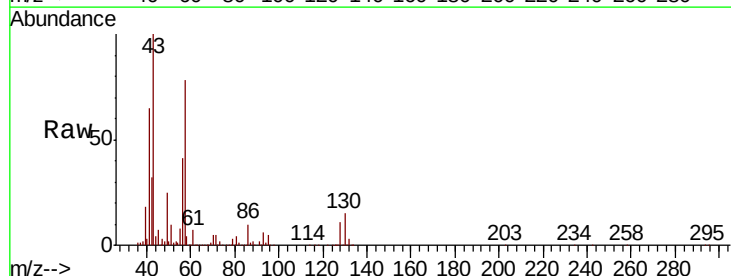
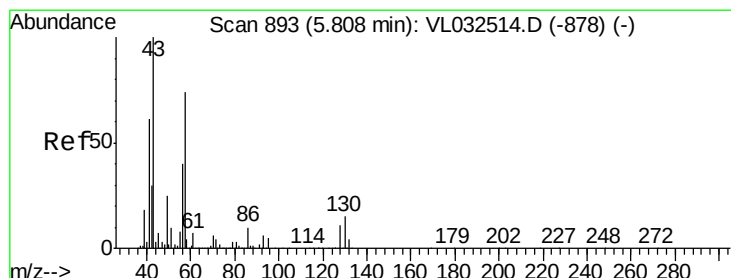
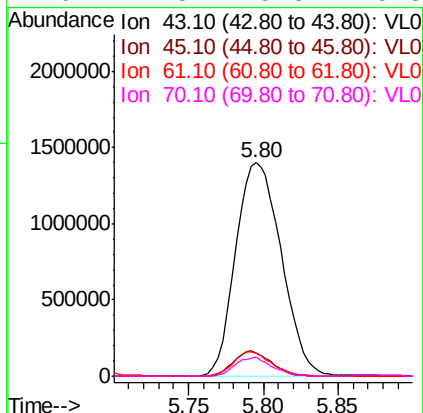
#25
Ethyl Acetate
Concen: 9.855 ppbv
RT: 5.80 min Scan# 889
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.8	7.6	11.4
70	7.3	5.8	8.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

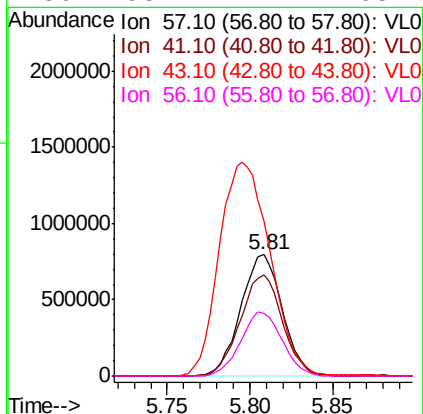
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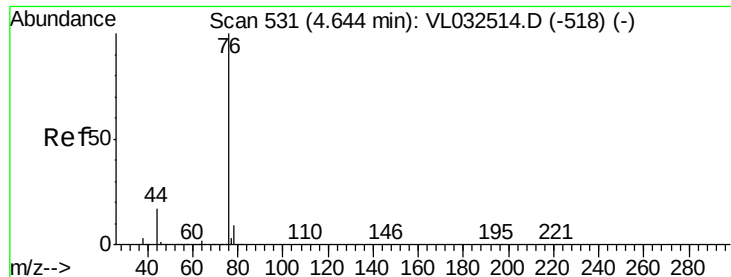
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#26
Hexane
Concen: 10.128 ppbv
RT: 5.81 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
57	100		
41	86.1	69.0	103.4
43	216.7	172.1	258.1
56	53.1	42.2	63.2





#27

Carbon Disulfide

Concen: 10.253 ppbv

RT: 4.64 min Scan# 530

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1501818

Ion Ratio Lower Upper

76 100

44 17.3 14.0 21.0

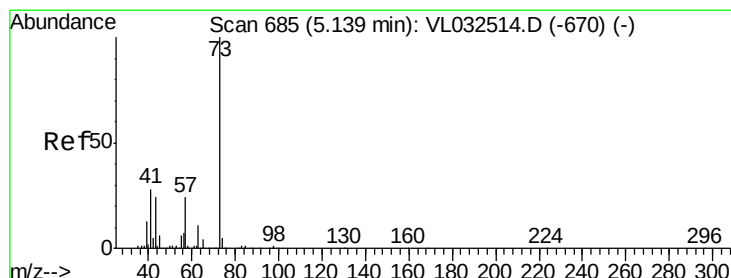
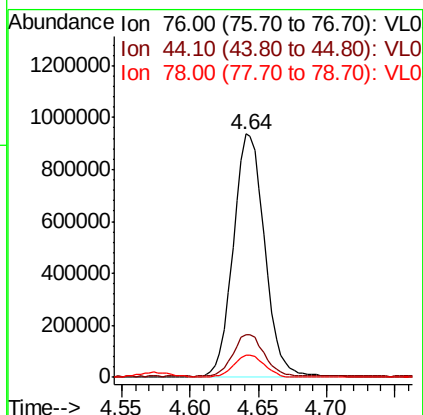
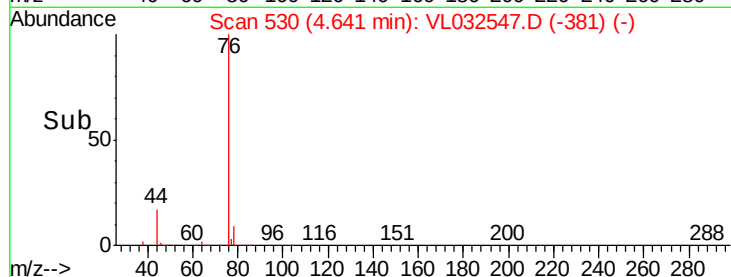
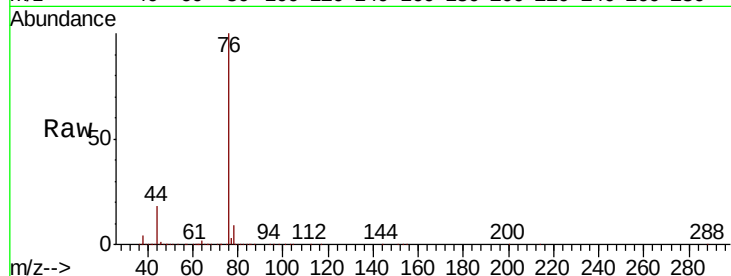
78 9.3 7.5 11.3

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#28

Methyl tert-Butyl Ether

Concen: 11.466 ppbv

RT: 5.14 min Scan# 684

Delta R.T. -0.02 min

Lab File: VL032547.D

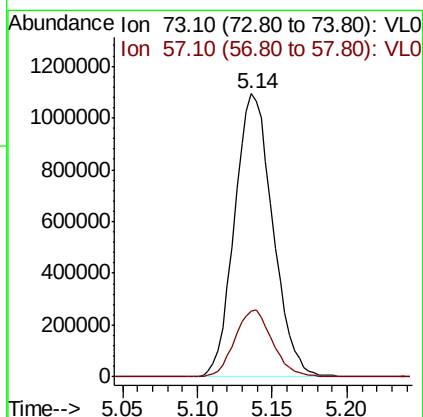
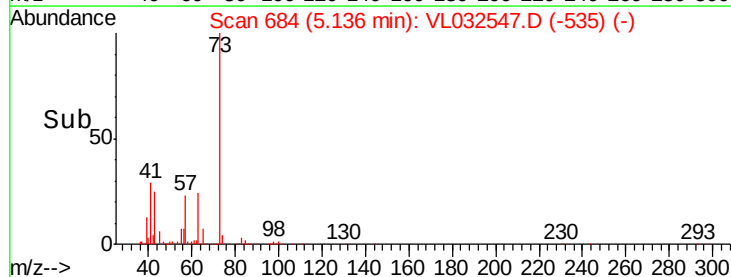
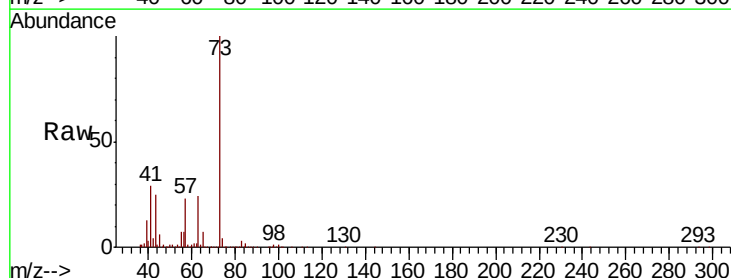
Acq: 25 Sep 2018 16:10

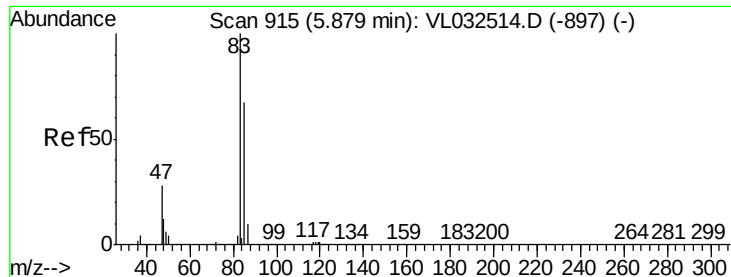
Tgt Ion: 73 Resp: 1946084

Ion Ratio Lower Upper

73 100

57 23.3 19.3 28.9





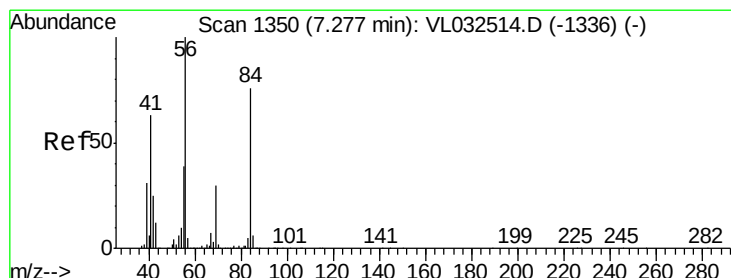
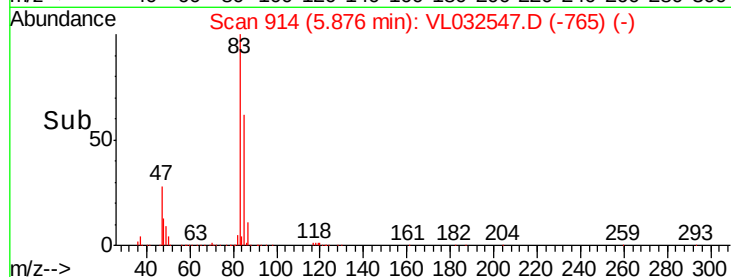
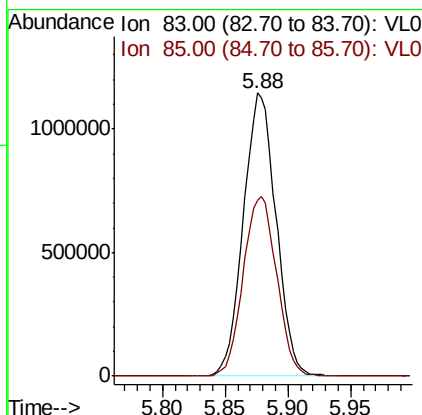
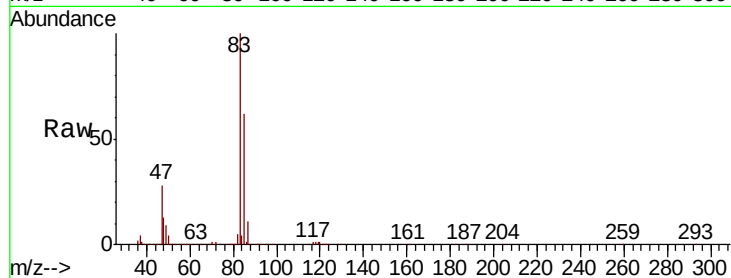
#29
Chloroform
Concen: 9.952 ppbv
RT: 5.88 min Scan# 914
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2080630
Ion Ratio Lower Upper
83 100
85 61.9 52.5 78.7

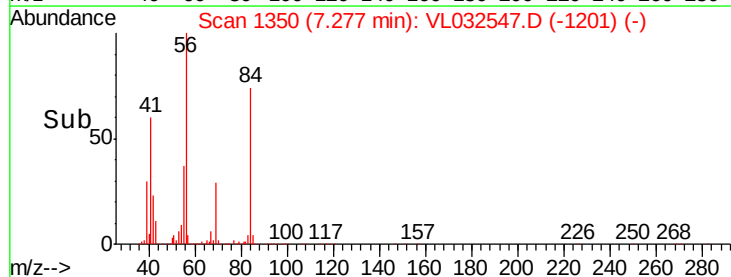
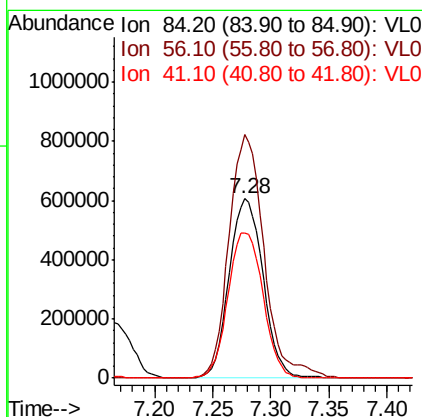
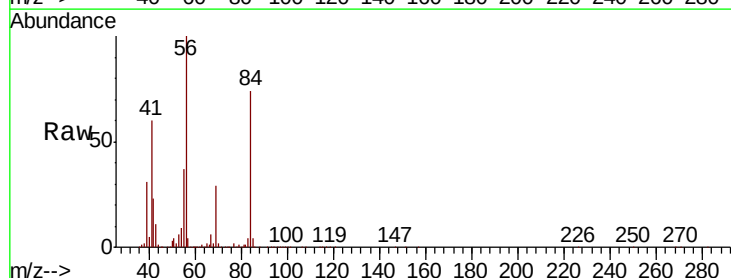
Manual Integrations
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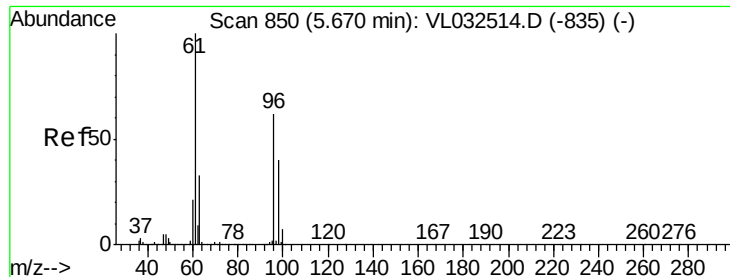
apatel
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#30
Cyclohexane
Concen: 11.138 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Tgt Ion: 84 Resp: 1235651
Ion Ratio Lower Upper
84 100
56 140.6 113.5 170.3
41 83.3 68.1 102.1





#31

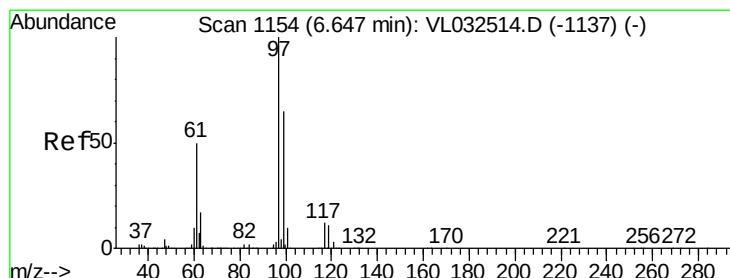
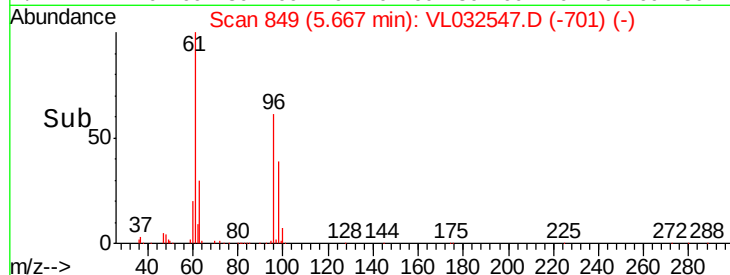
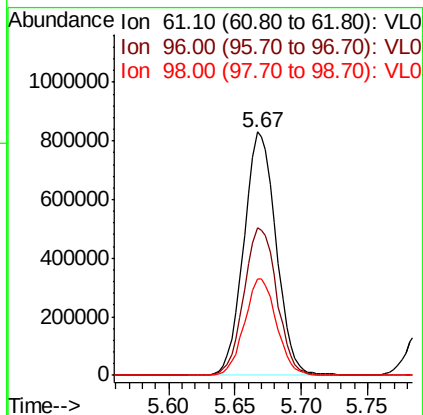
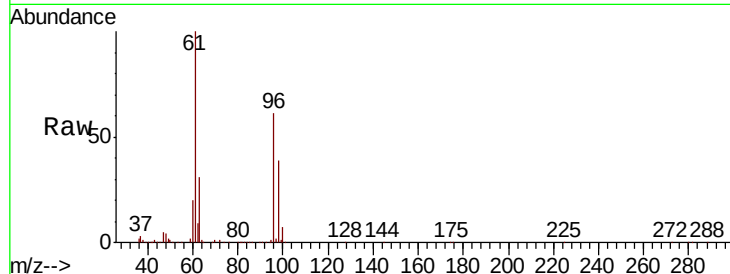
cis-1,2-Dichloroethene
Concen: 10.821 ppbv
RT: 5.67 min Scan# 849
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	60.9	49.2	73.8
98	39.4	30.7	46.1

Manual Integrations
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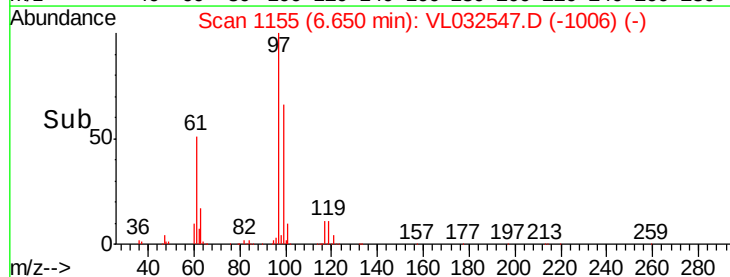
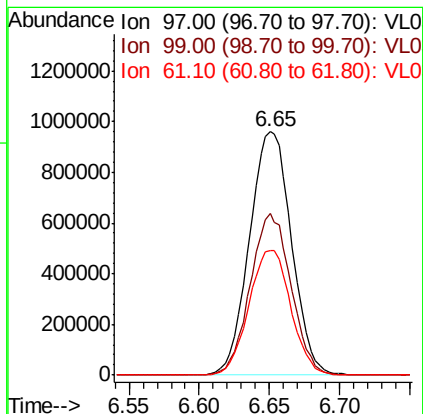
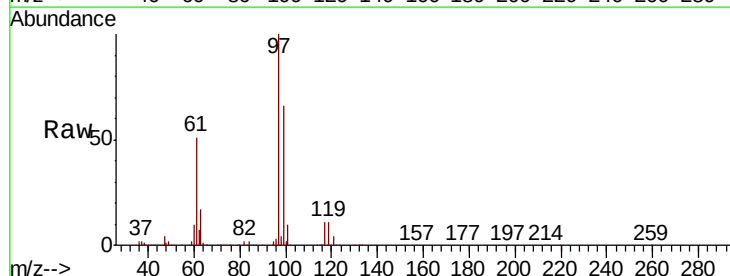
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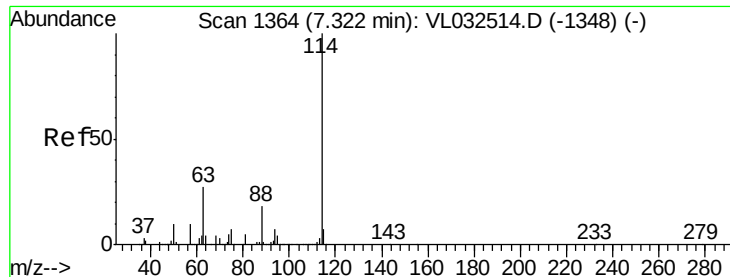


#32

1,1,1-Trichloroethane
Concen: 8.979 ppbv
RT: 6.65 min Scan# 1155
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.1	78.1
61	51.5	42.5	63.7





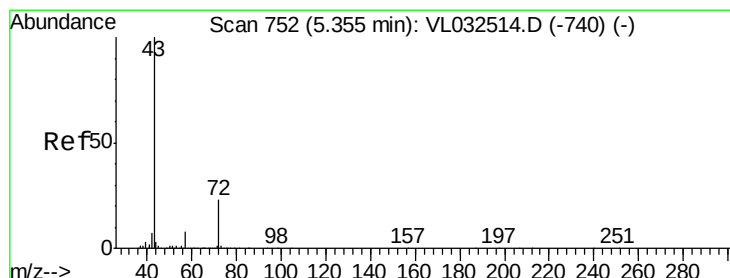
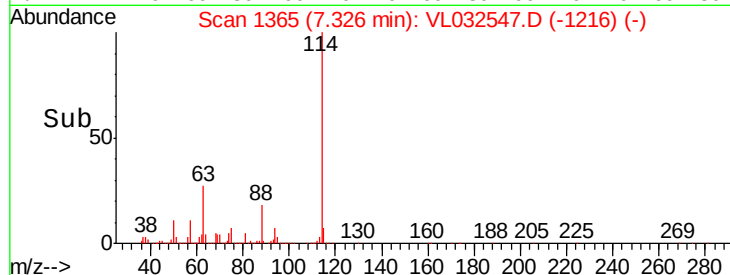
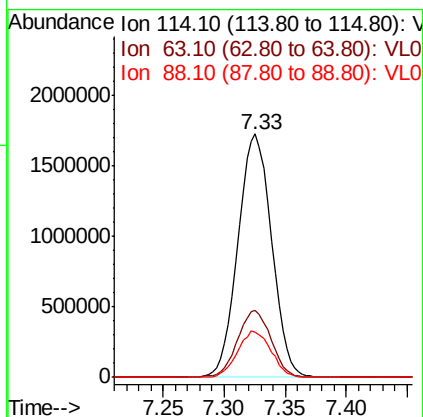
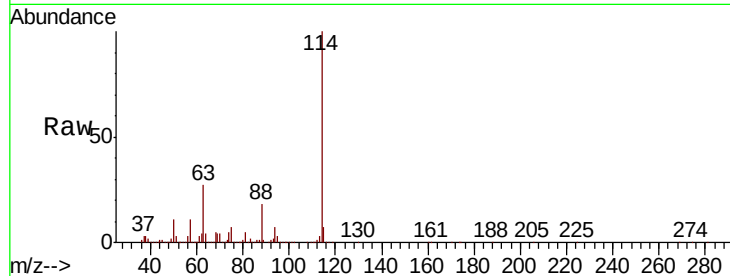
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.33 min Scan# 1365
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 3285248
 Ion Ratio Lower Upper
 114 100
 63 27.4 22.2 33.4
 88 18.8 15.0 22.4

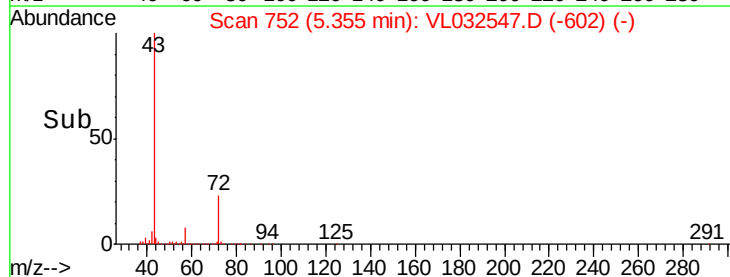
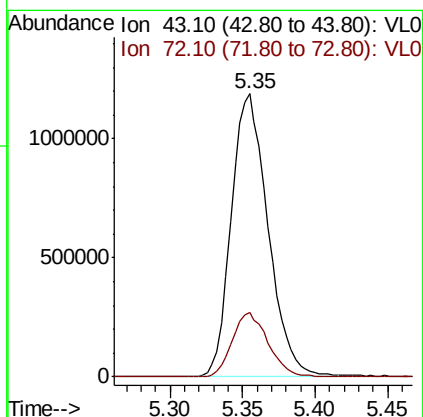
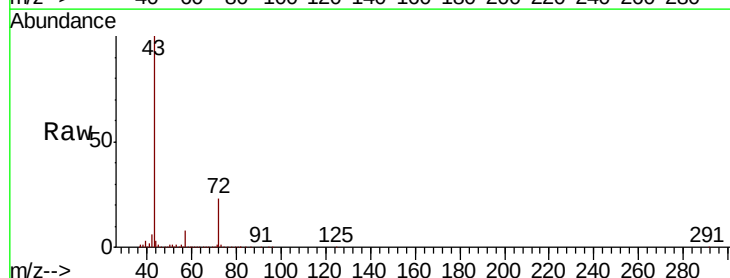
Manual Integrations
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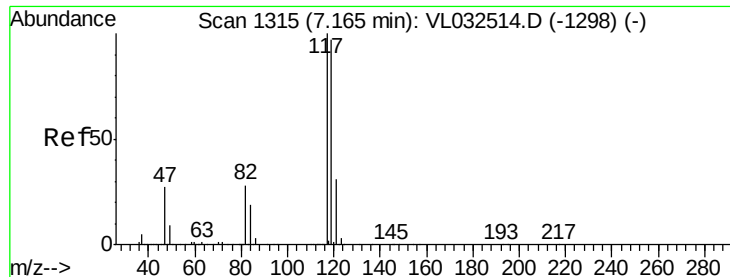
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#34
 2-Butanone
 Concen: 10.636 ppbv
 RT: 5.35 min Scan# 752
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Tgt Ion: 43 Resp: 2080812
 Ion Ratio Lower Upper
 43 100
 72 22.4 17.8 26.6





#35

Carbon Tetrachloride

Concen: 9.233 ppbv

RT: 7.17 min Scan# 1316

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2107676

Ion Ratio Lower Upper

117 100

119 96.8 76.6 115.0

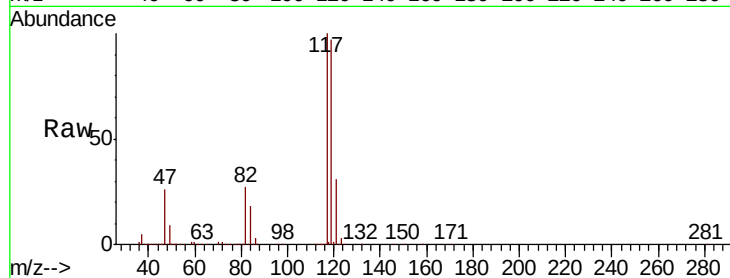
121 30.6 24.6 36.8

Manual Integrations

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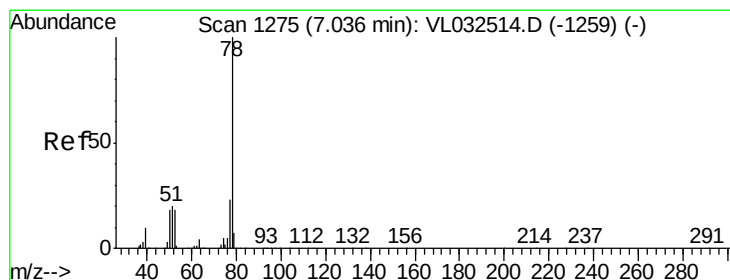
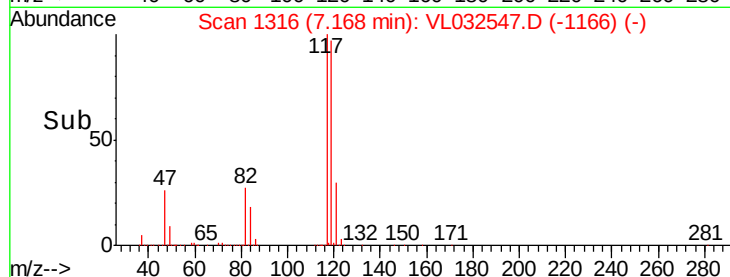
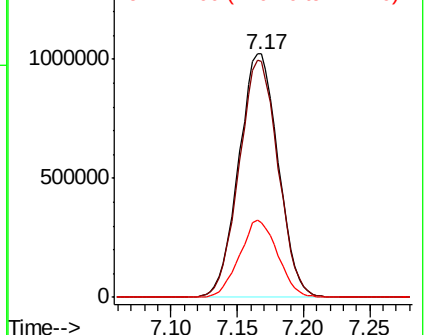
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.821 ppbv

RT: 7.04 min Scan# 1275

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

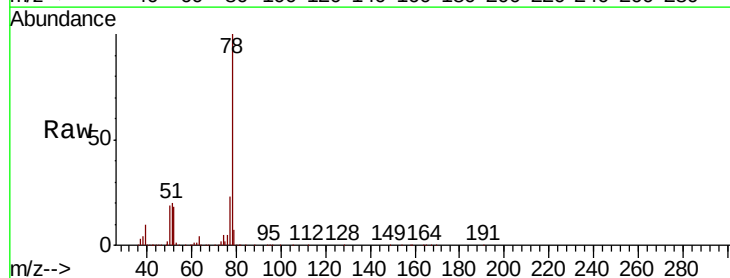
Tgt Ion: 78 Resp: 2873052

Ion Ratio Lower Upper

78 100

77 22.8 18.4 27.6

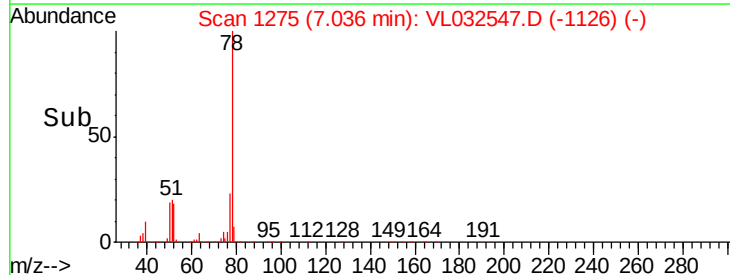
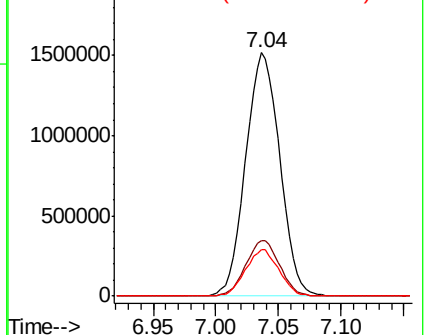
50 19.3 14.4 21.6

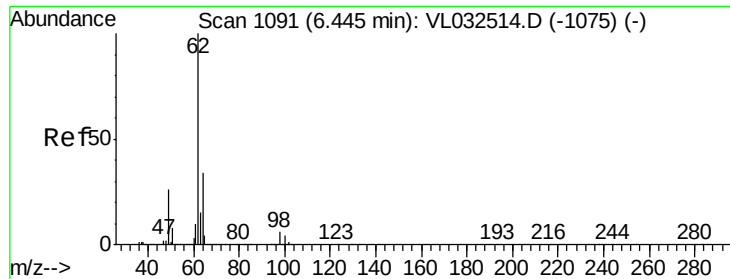


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





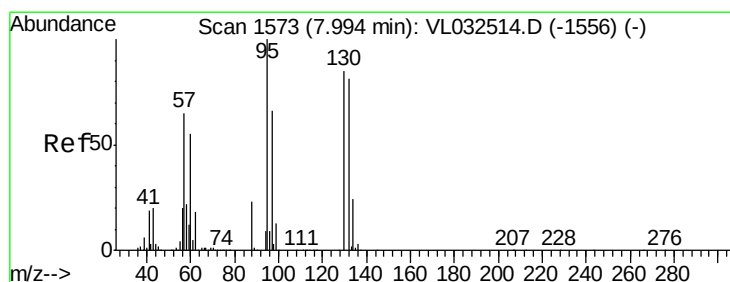
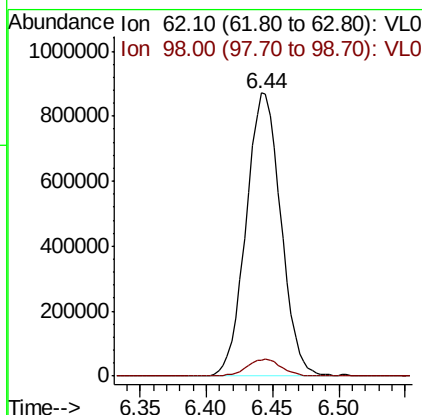
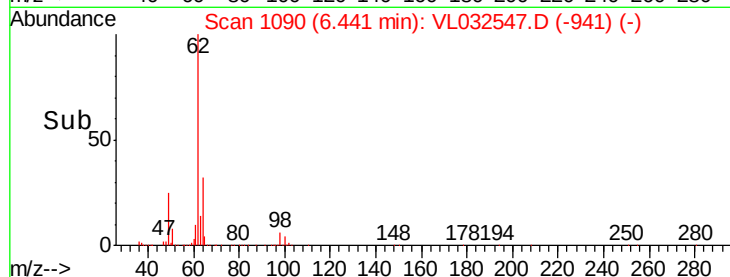
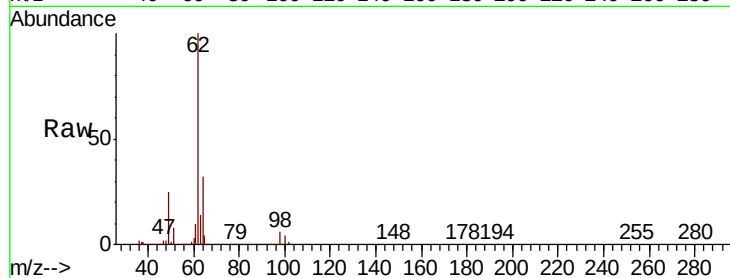
#37
 1,2-Dichloroethane
 Concen: 9.920 ppbv
 RT: 6.44 min Scan# 1090
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.0	5.0	7.6

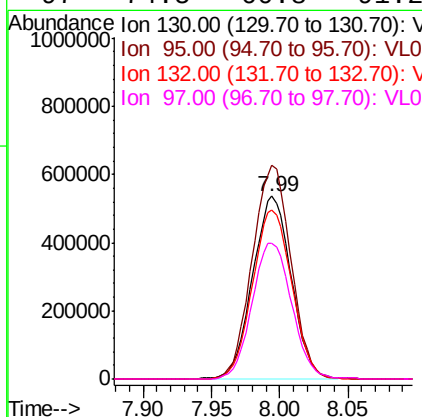
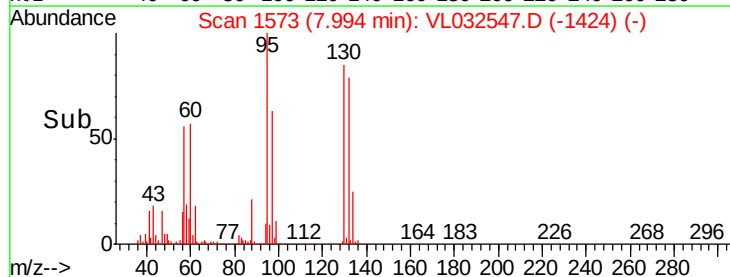
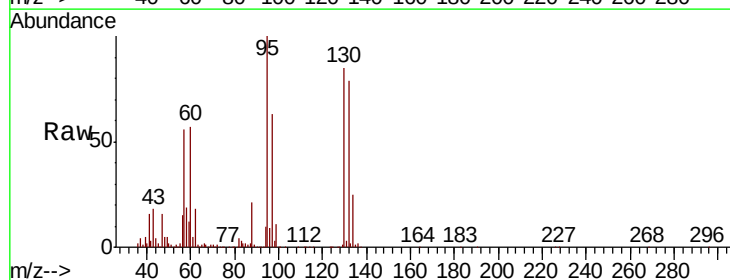
Manual Integrations
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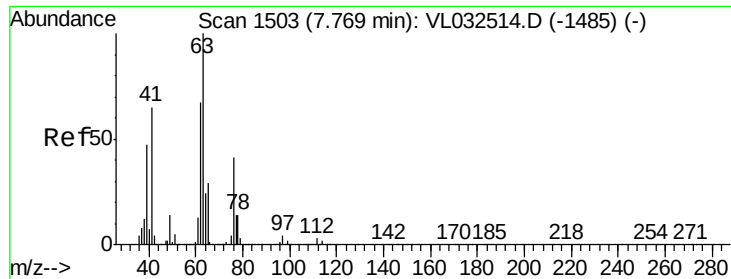
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#38
 Trichloroethene
 Concen: 10.287 ppbv
 RT: 7.99 min Scan# 1573
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	117.3	94.2	141.4
132	92.5	76.2	114.4
97	74.5	60.8	91.2





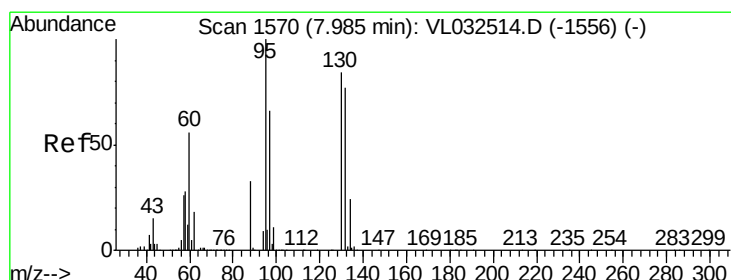
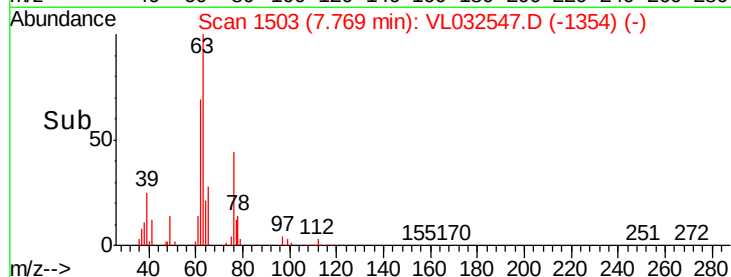
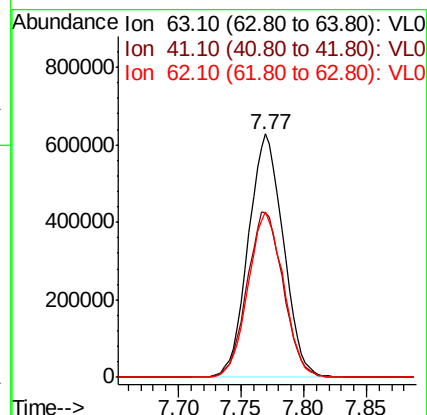
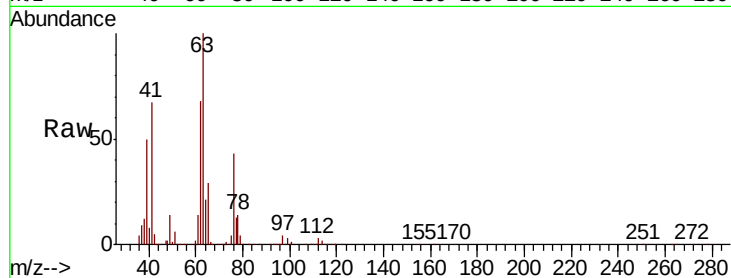
#39
 1,2-Dichloropropane
 Concen: 10.204 ppbv
 RT: 7.77 min Scan# 1503
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	67.1	55.4	83.0
62	68.0	55.4	83.0

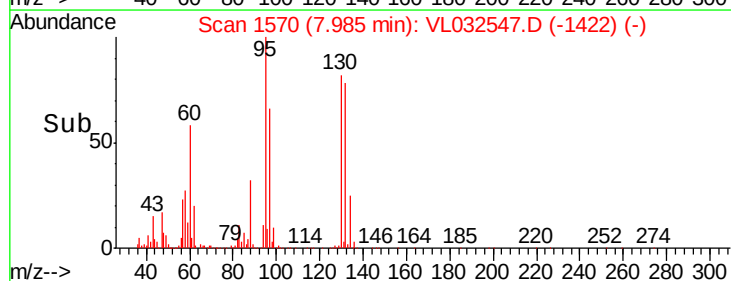
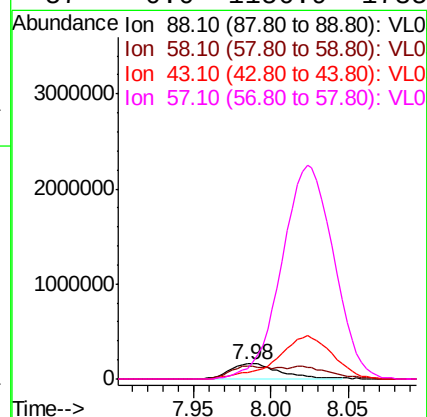
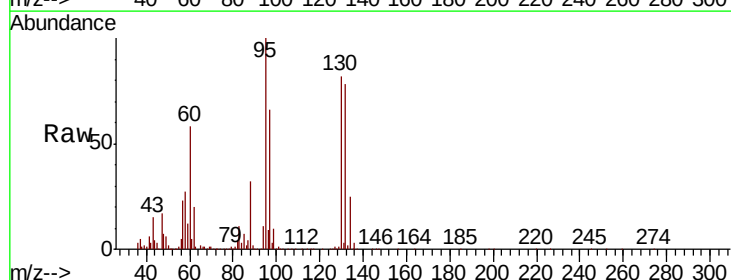
Manual Integrations
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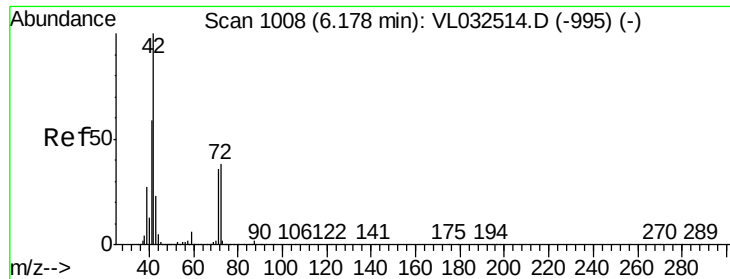
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#40
 1,4-Dioxane
 Concen: 9.743 ppbv
 RT: 7.98 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
88	100		
58	150.8	119.7	179.5
43	0.0	253.0	379.4#
57	0.0	1156.9	1735.3#





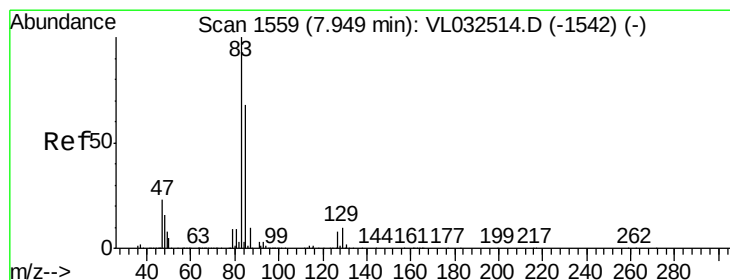
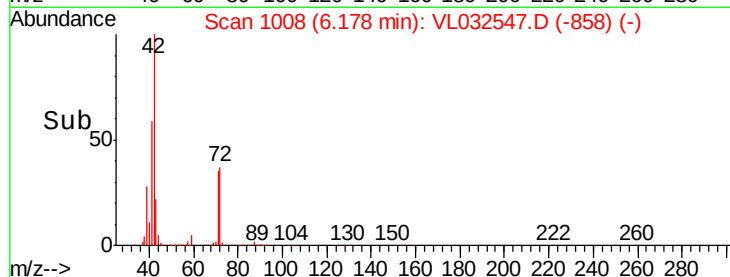
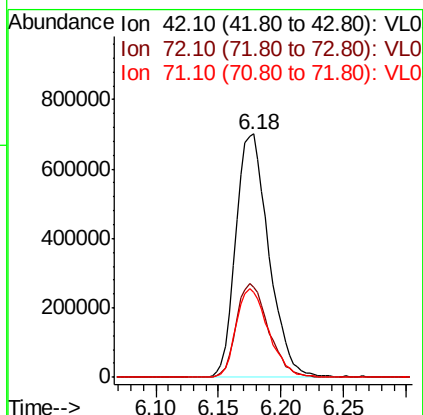
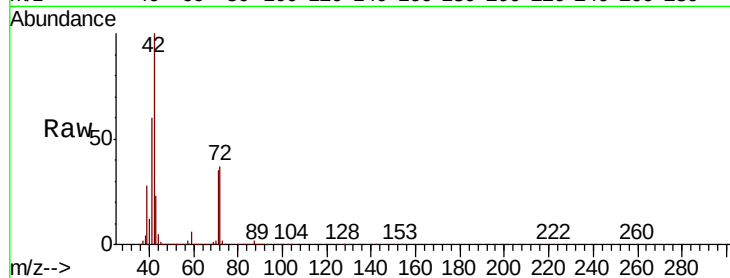
#41
Tetrahydrofuran
Concen: 12.083 ppbv
RT: 6.18 min Scan# 1008
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	29.5	44.3
71	35.8	28.3	42.5

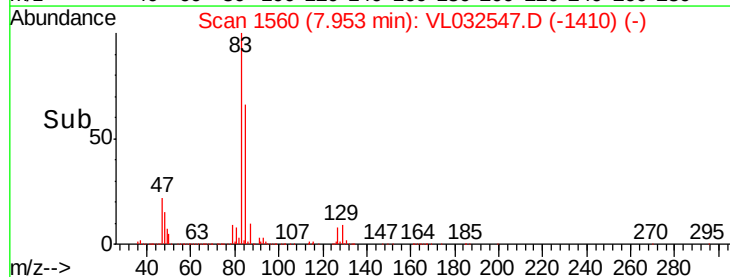
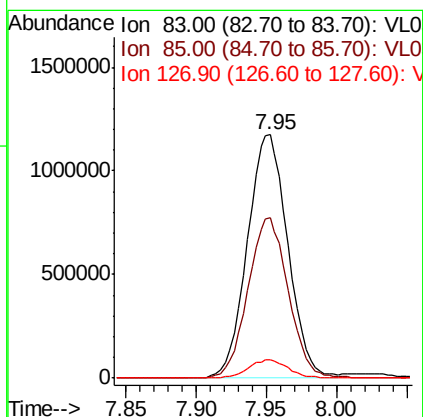
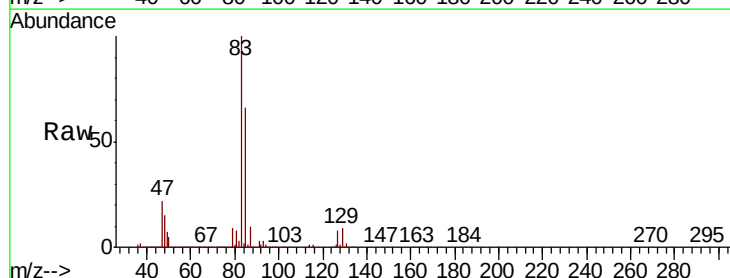
Manual Integrations
APPROVED

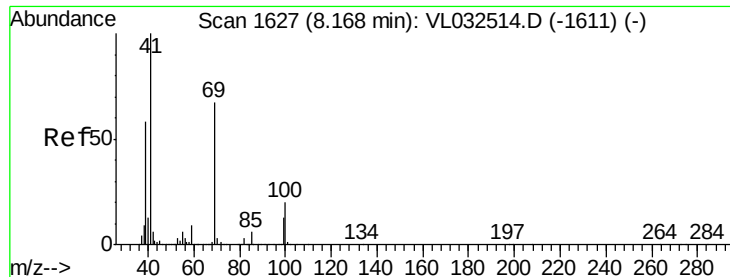
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#42
Bromodichloromethane
Concen: 9.822 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.1	76.7
127	7.5	5.8	8.8





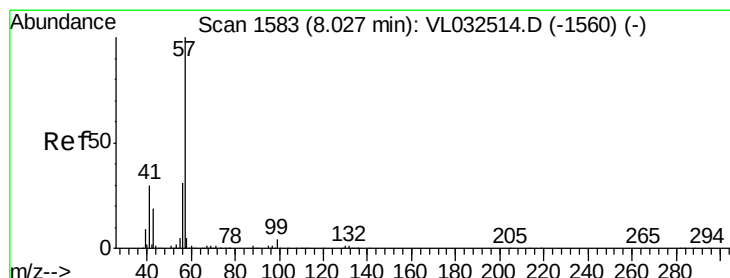
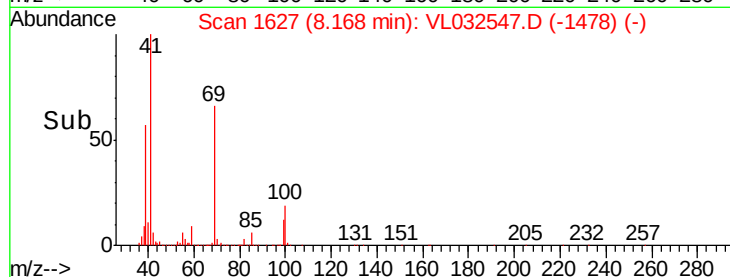
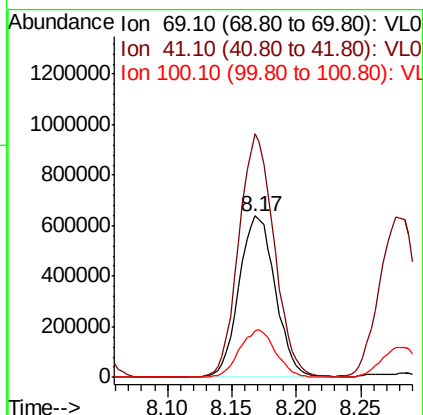
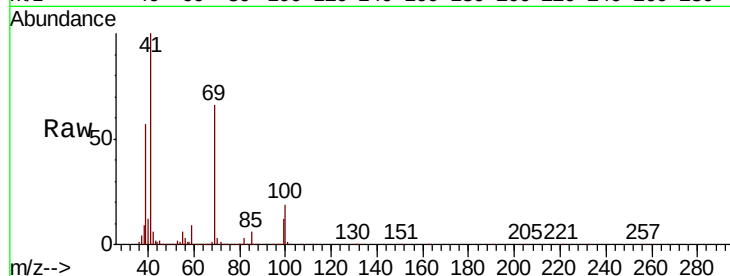
#43
Methyl Methacrylate
Concen: 11.317 ppbv
RT: 8.17 min Scan# 1627
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1255146
Ion Ratio Lower Upper
69 100
41 146.2 117.1 175.7
100 29.2 23.4 35.2

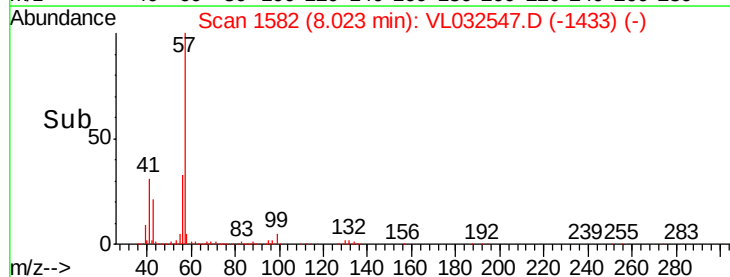
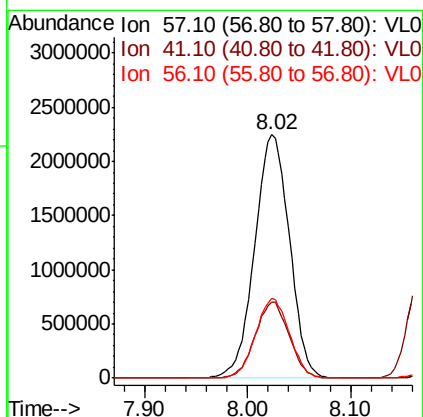
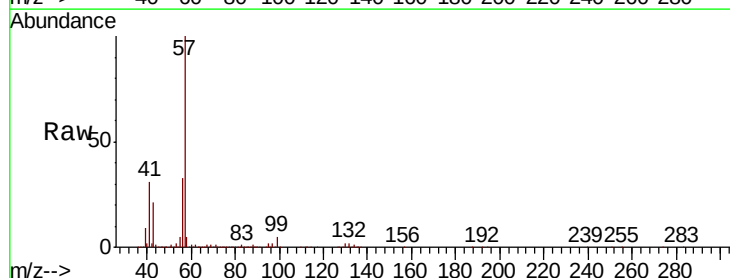
Manual Integrations
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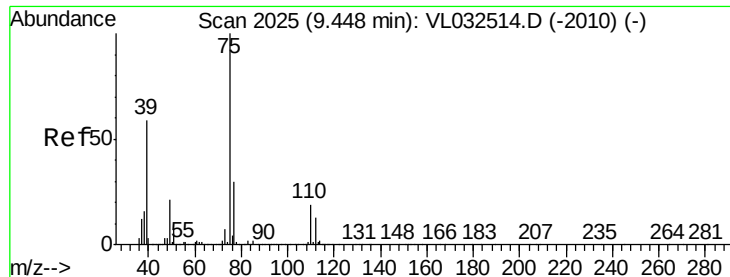
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#44
2,2,4-Trimethylpentane
Concen: 10.142 ppbv
RT: 8.02 min Scan# 1582
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Tgt Ion: 57 Resp: 5262494
Ion Ratio Lower Upper
57 100
41 30.5 24.4 36.6
56 31.7 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 12.081 ppbv

RT: 9.45 min Scan# 2026

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

ClientSampleID :

VSTDCCC010EC

Tot Ion: 75 Resp: 1666720

Ion Ratio Lower Upper

75 100

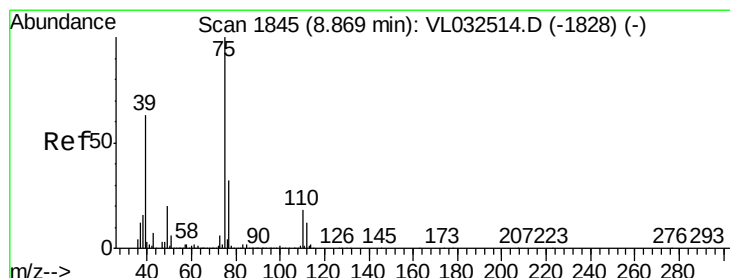
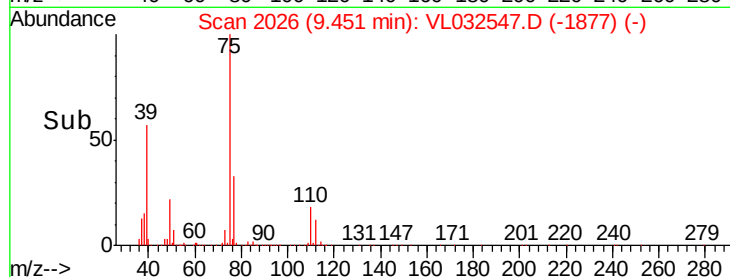
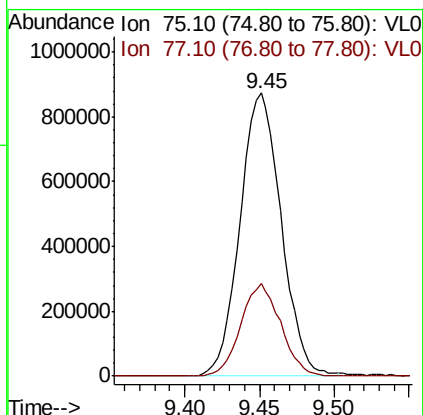
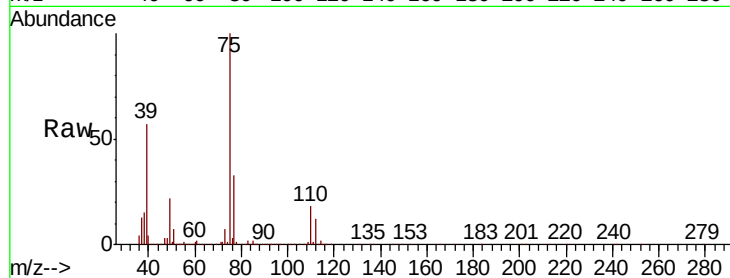
77 32.5 26.2 39.2

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#46

cis-1,3-Dichloropropene

Concen: 10.991 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

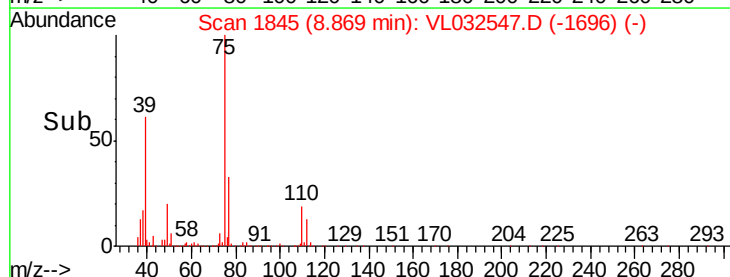
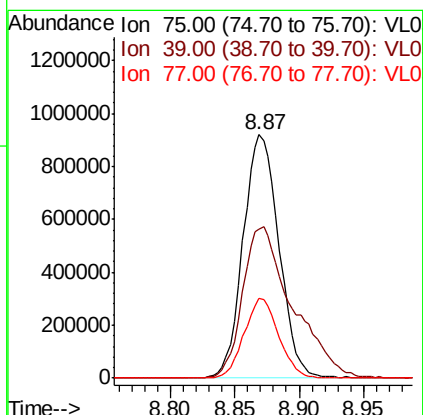
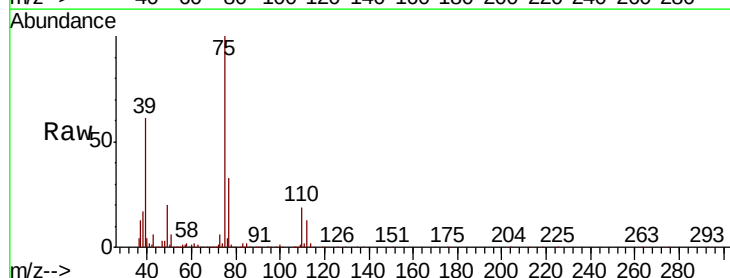
Tgt Ion: 75 Resp: 1778591

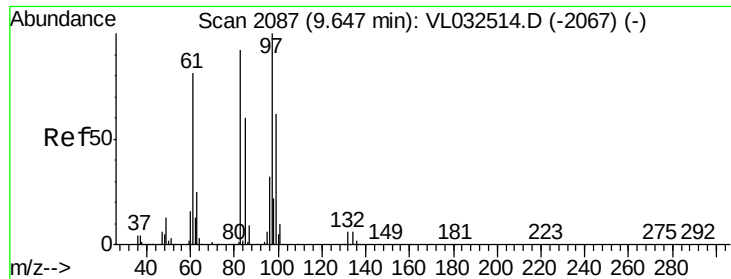
Ion Ratio Lower Upper

75 100

39 61.0 48.9 73.3

77 32.8 25.4 38.0





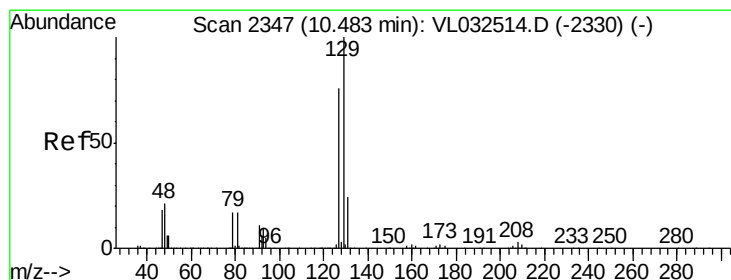
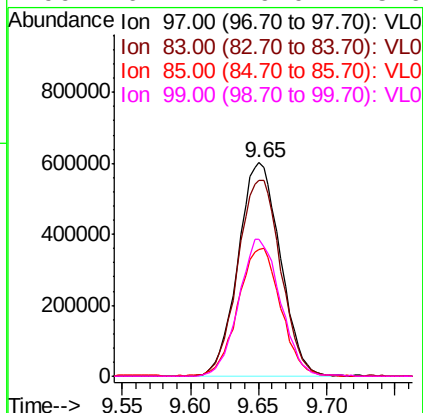
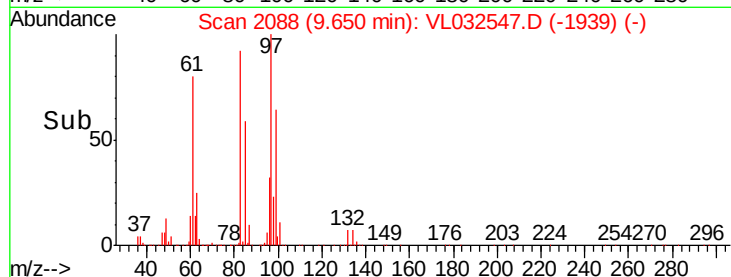
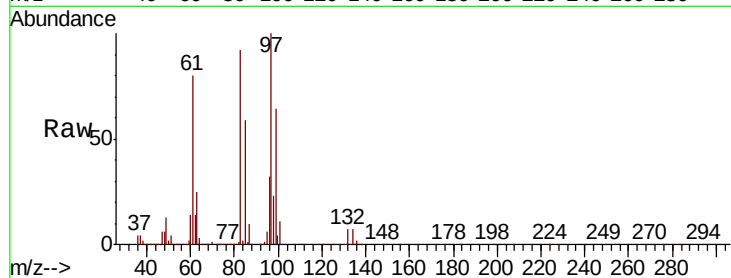
#47
 1,1,2-Trichloroethane
 Concen: 9.730 ppbv
 RT: 9.65 min Scan# 2088
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	91.8	75.0	112.4
85	59.2	47.5	71.3
99	64.2	49.0	73.6

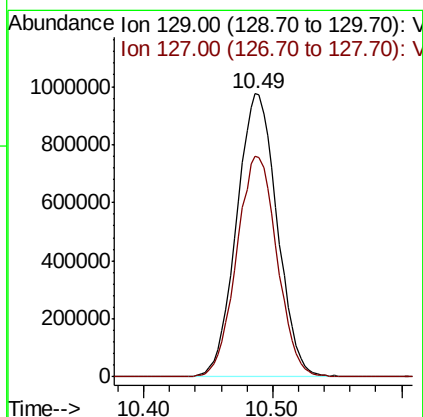
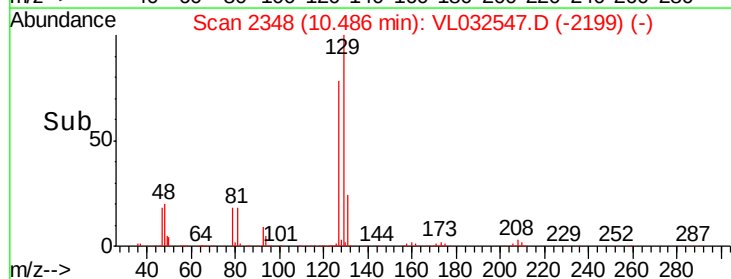
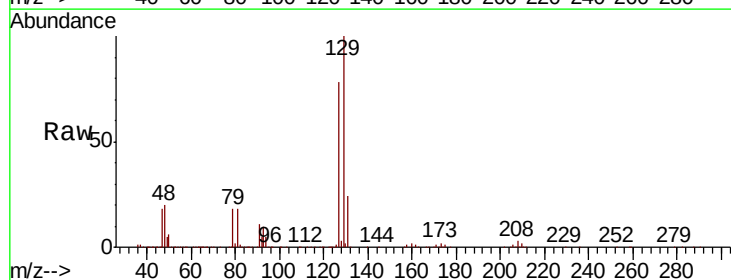
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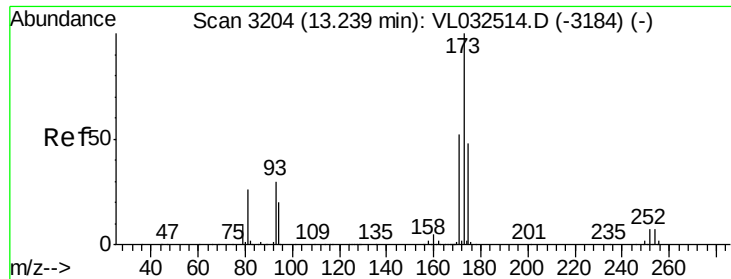
apatel
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#48
 Dibromochloromethane
 Concen: 10.162 ppbv
 RT: 10.49 min Scan# 2348
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.5	118.3





#49

Bromoform

Concen: 9.910 ppbv

RT: 13.24 min Scan# 3205

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1582201

Ion Ratio Lower Upper

173 100

175 48.5 38.9 58.3

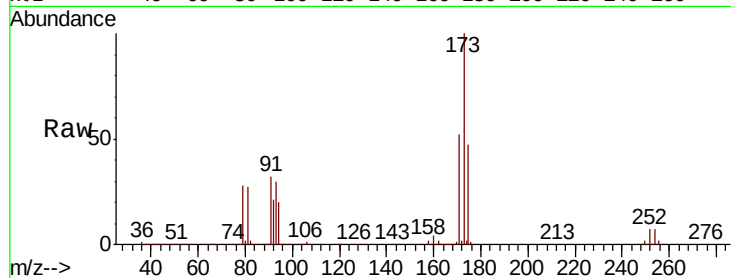
171 52.3 41.6 62.4

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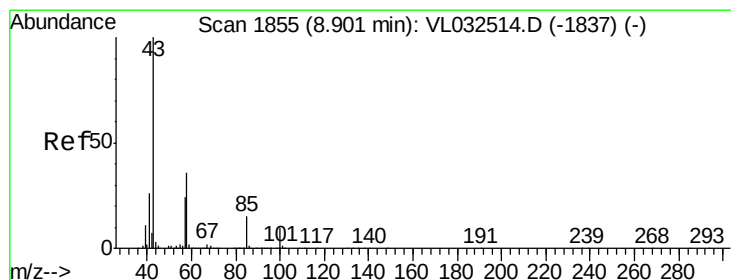
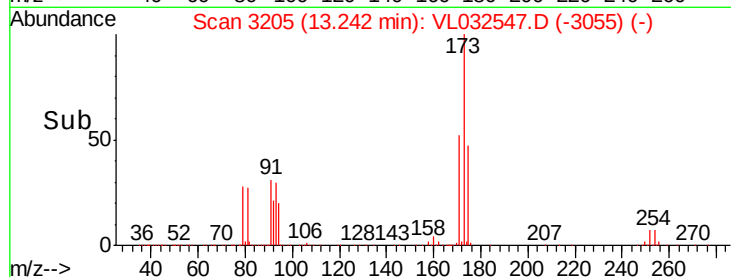
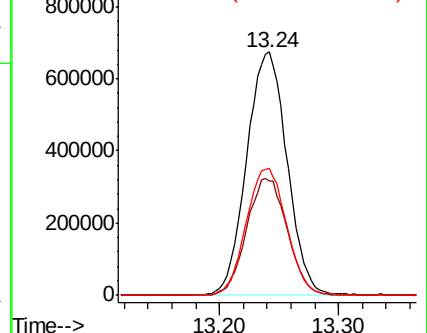
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.950 ppbv

RT: 8.90 min Scan# 1856

Delta R.T. -0.02 min

Lab File: VL032547.D

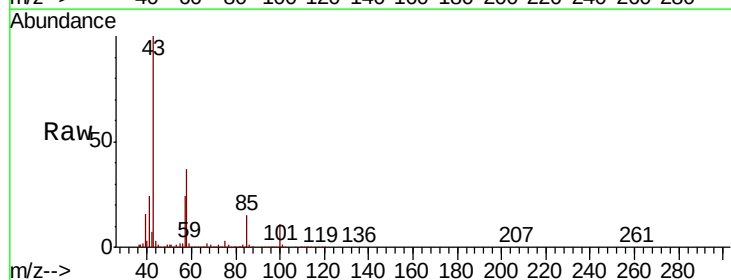
Acq: 25 Sep 2018 16:10

Tgt Ion: 43 Resp: 3059809

Ion Ratio Lower Upper

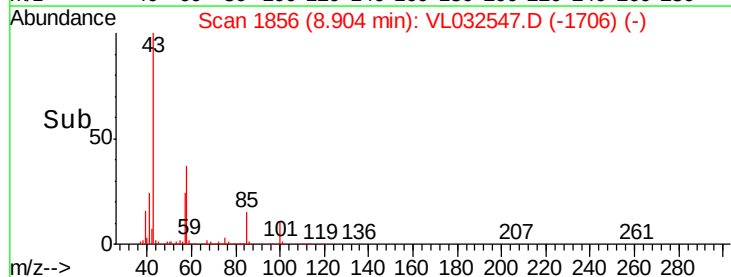
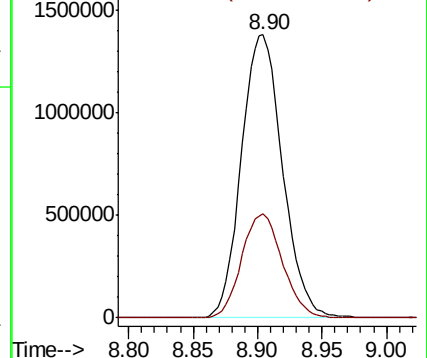
43 100

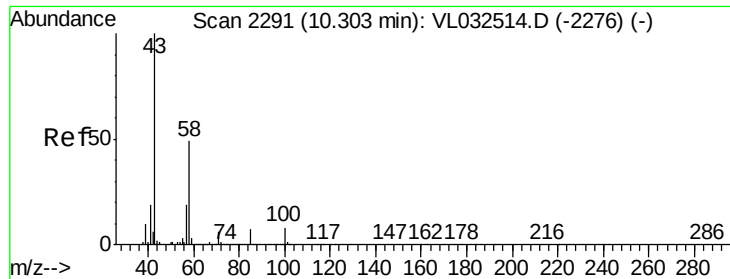
58 36.6 29.0 43.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.171 ppbv

RT: 10.30 min Scan# 2291

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2841075

Ion Ratio Lower Upper

43 100

58 49.4 39.2 58.8

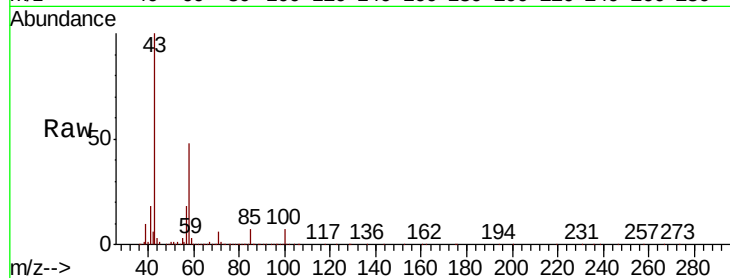
98 0.4 0.4 0.6#

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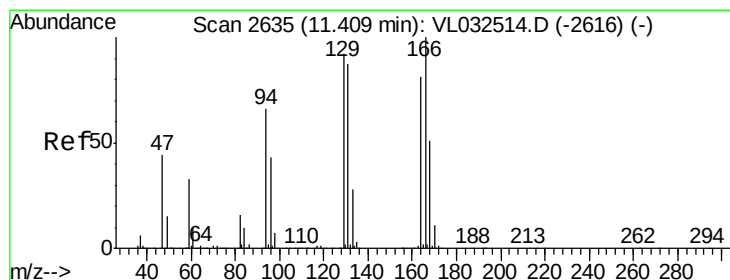
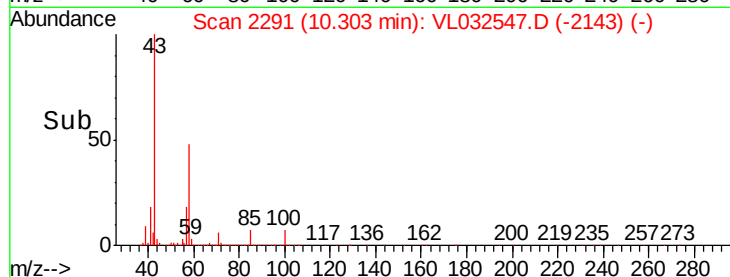
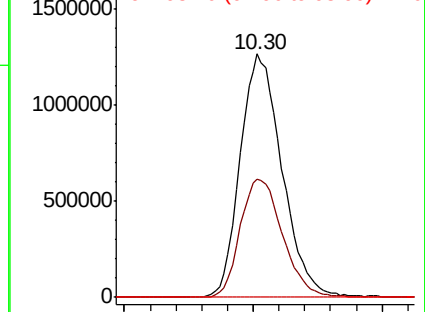
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.775 ppbv

RT: 11.41 min Scan# 2635

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Tgt Ion: 164 Resp: 903659

Ion Ratio Lower Upper

164 100

166 124.4 100.6 150.8

129 105.0 89.9 134.9

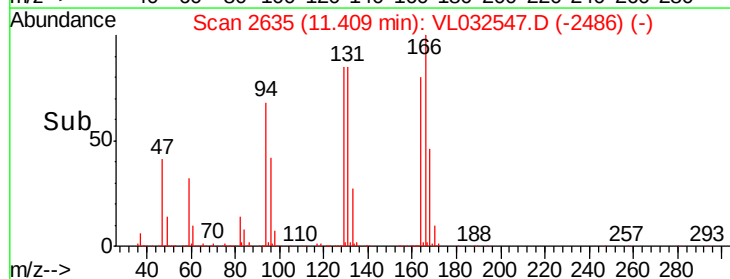
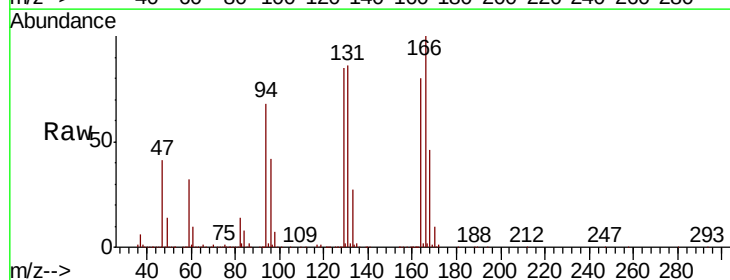
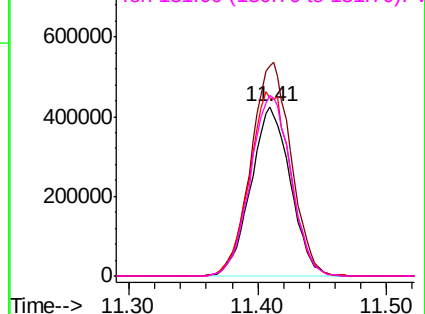
131 106.5 85.9 128.9

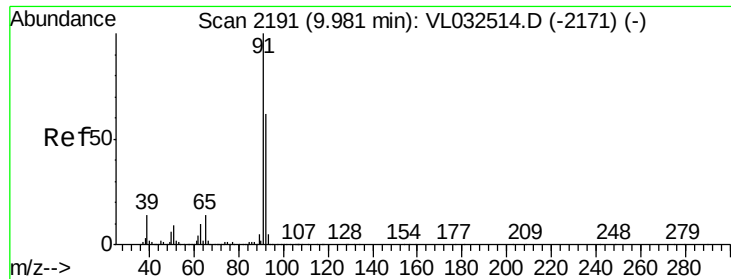
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.290 ppbv

RT: 9.98 min Scan# 2191

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3652814

Ion Ratio Lower Upper

91 100

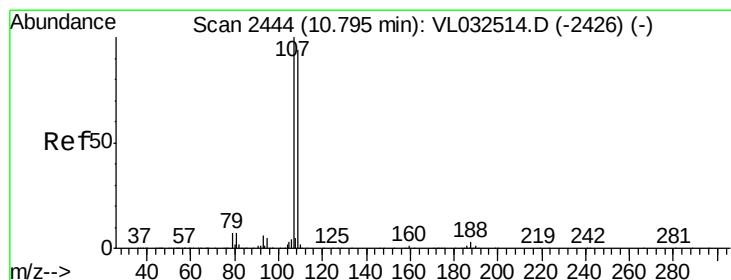
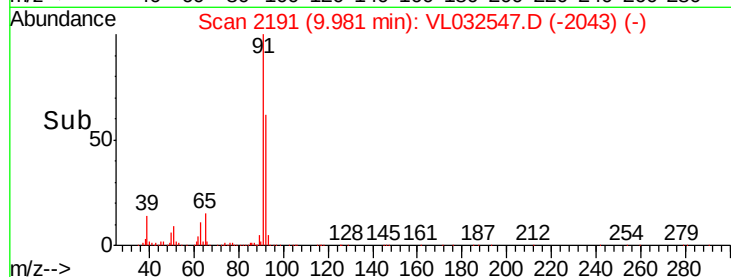
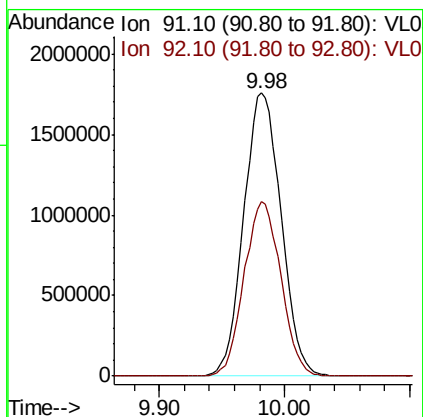
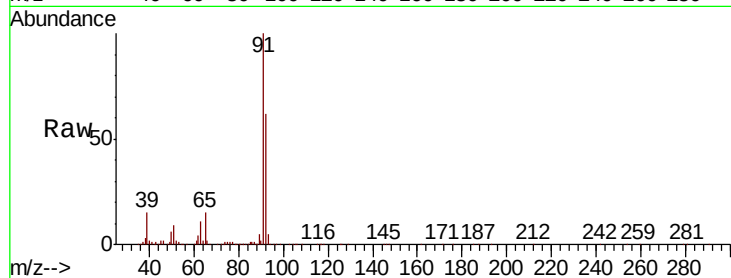
92 60.7 48.1 72.1

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#54

1,2-Dibromoethane

Concen: 10.342 ppbv

RT: 10.79 min Scan# 2444

Delta R.T. -0.02 min

Lab File: VL032547.D

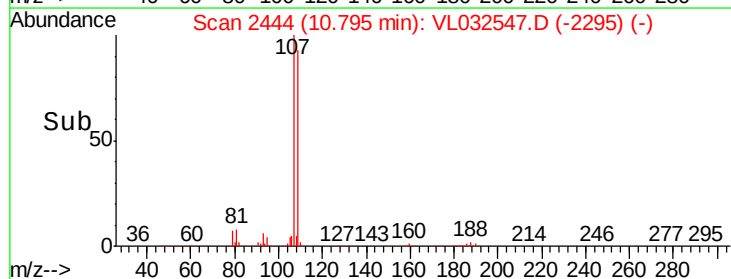
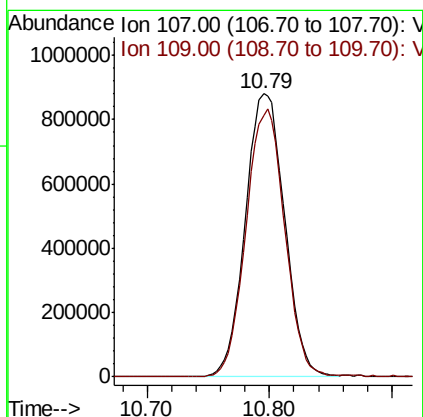
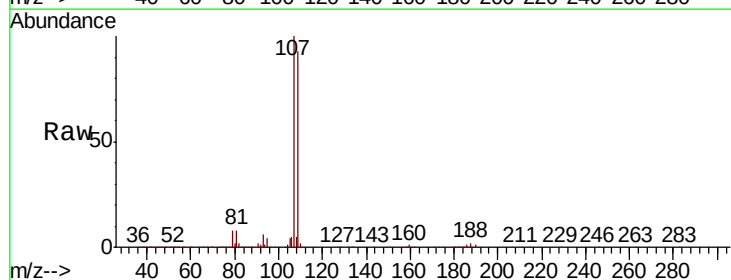
Acq: 25 Sep 2018 16:10

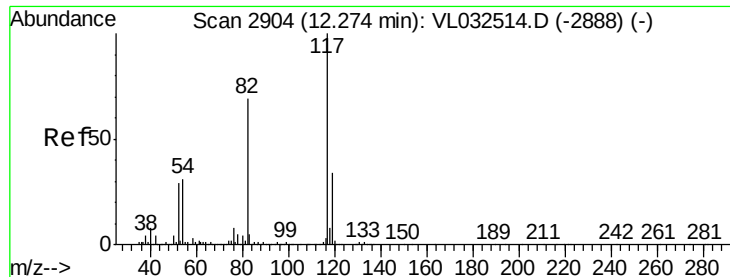
Tgt Ion: 107 Resp: 1954768

Ion Ratio Lower Upper

107 100

109 92.6 73.9 110.9





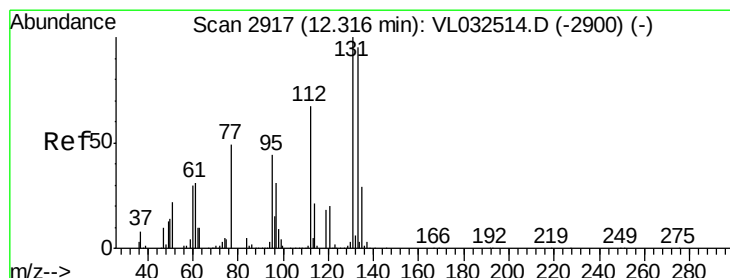
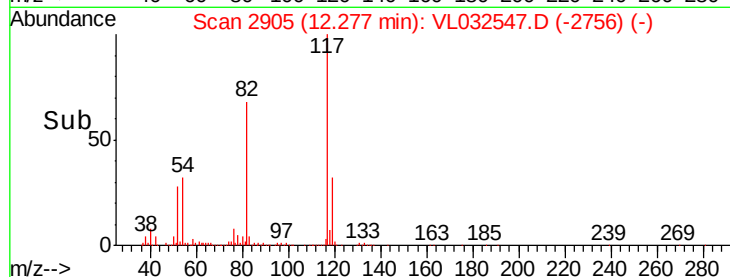
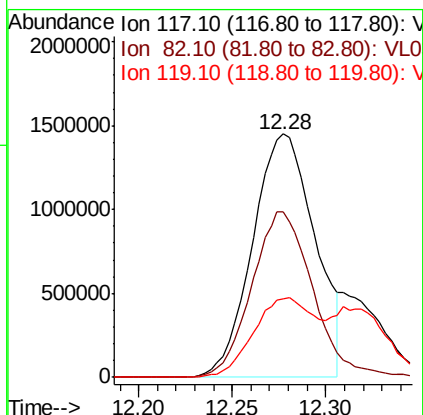
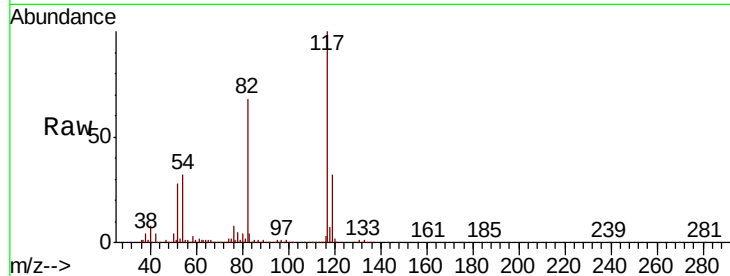
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.28 min Scan# 2905
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.9	53.0	79.6
119	57.8	45.9	68.9

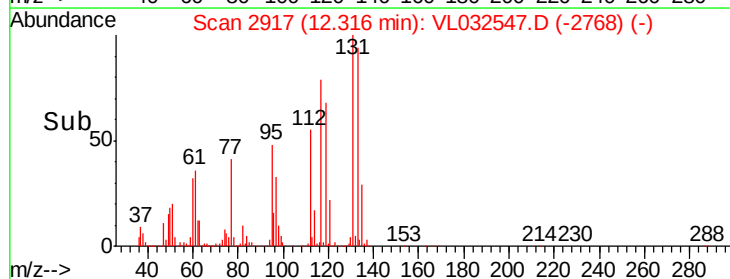
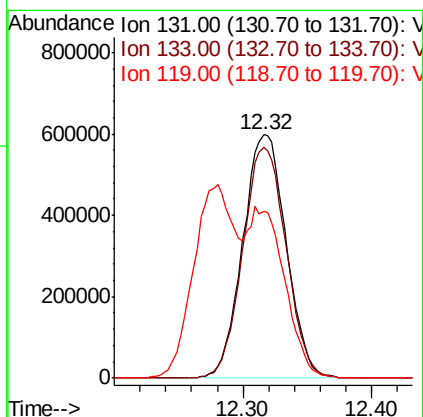
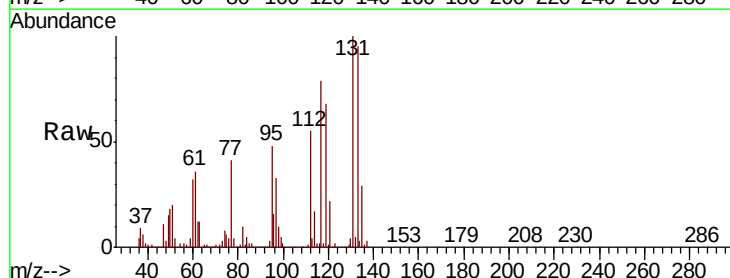
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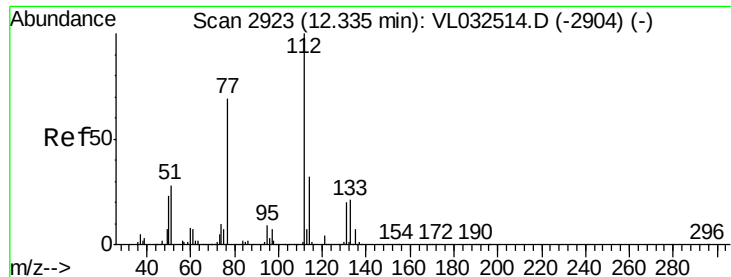
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.254 ppbv
RT: 12.32 min Scan# 2917
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	77.0	115.4
119	59.7	114.2	171.2#





#57

Chlorobenzene

Concen: 9.169 ppbv

RT: 12.34 min Scan# 2924

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 2489281

Ion Ratio Lower Upper

112 100

77 71.8 56.1 84.1

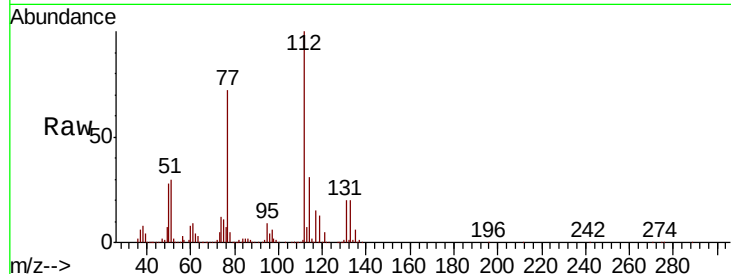
114 31.2 27.8 34.0

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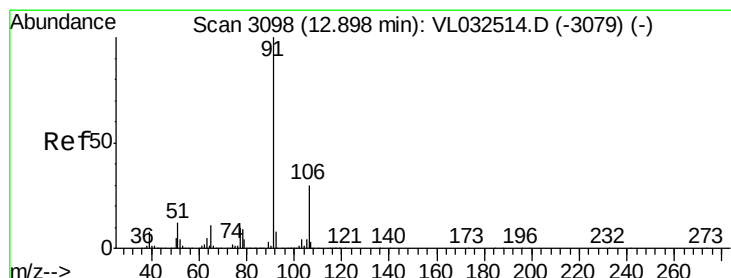
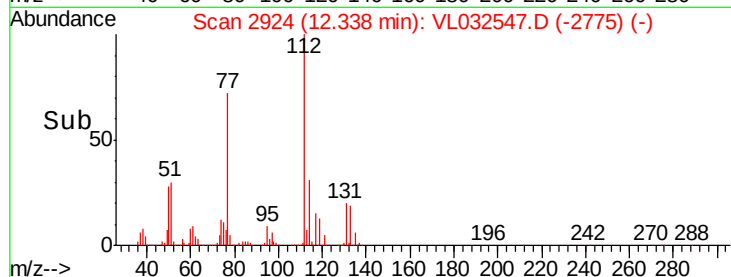
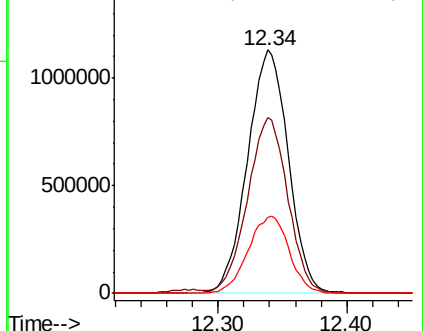
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 11.043 ppbv

RT: 12.90 min Scan# 3099

Delta R.T. -0.02 min

Lab File: VL032547.D

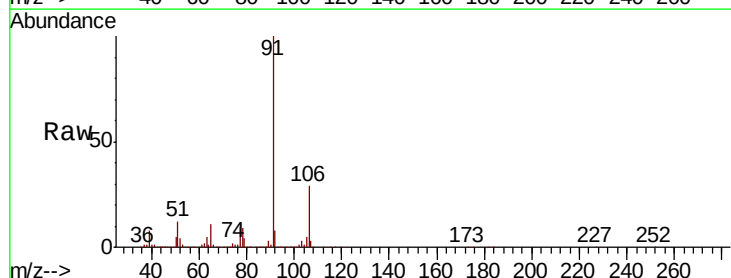
Acq: 25 Sep 2018 16:10

Tgt Ion: 91 Resp: 4514340

Ion Ratio Lower Upper

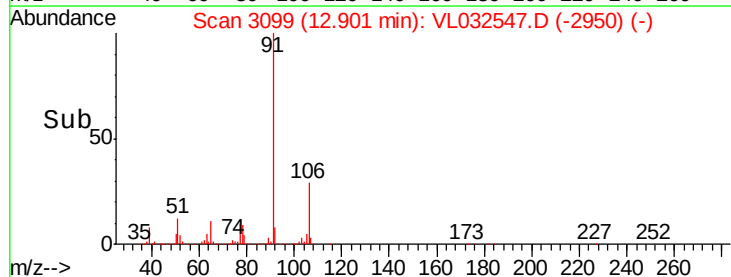
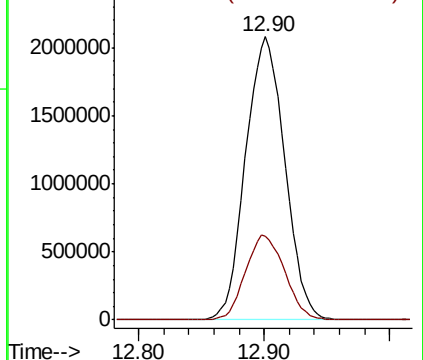
91 100

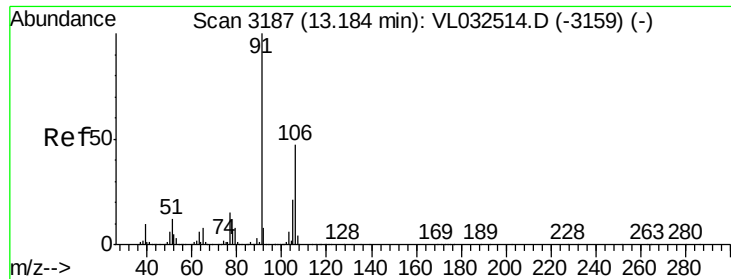
106 29.4 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





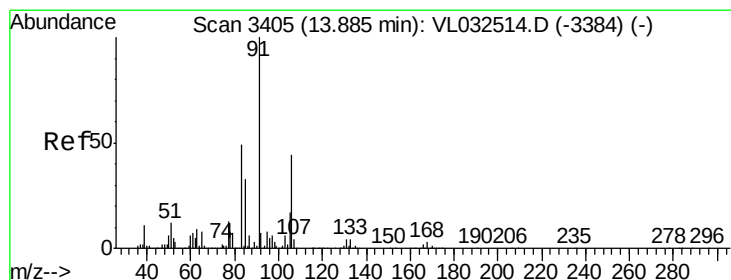
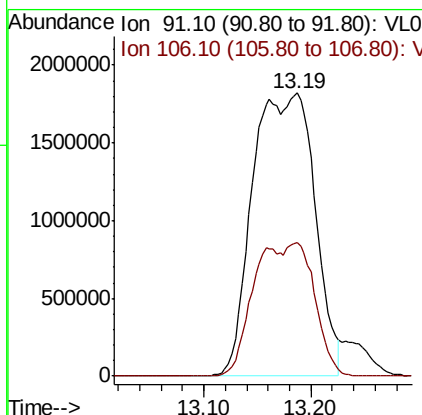
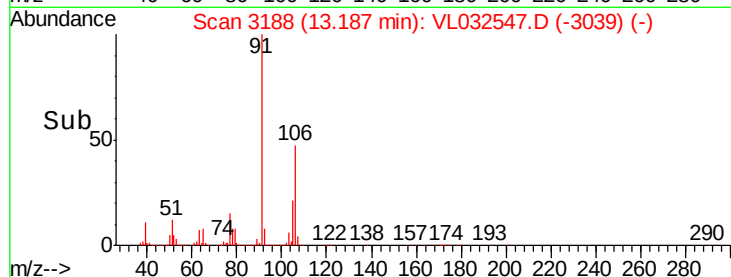
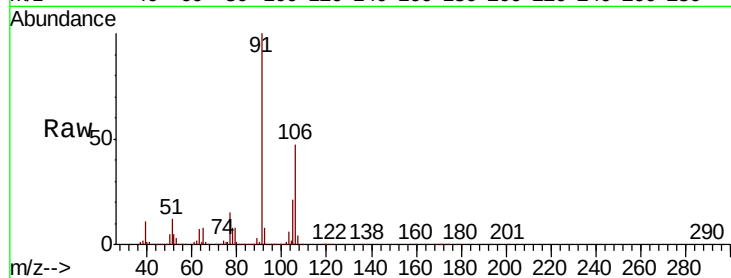
#59
m/p-Xylene
Concen: 20.116 ppbv m
RT: 13.19 min Scan# 3188
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 7316522
Ion Ratio Lower Upper
91 100
106 45.8 36.6 55.0

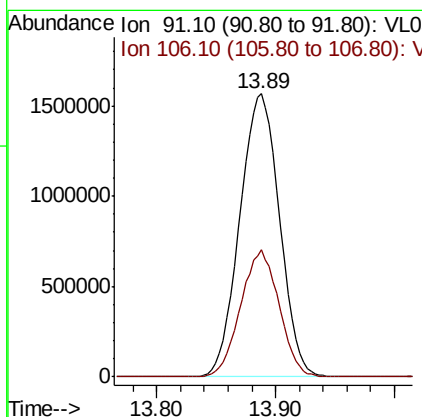
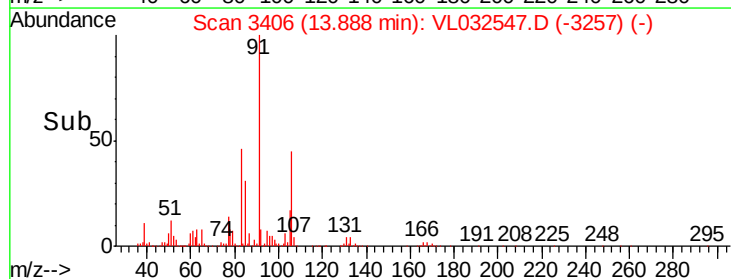
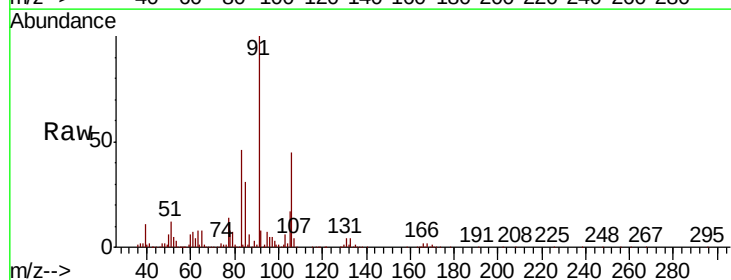
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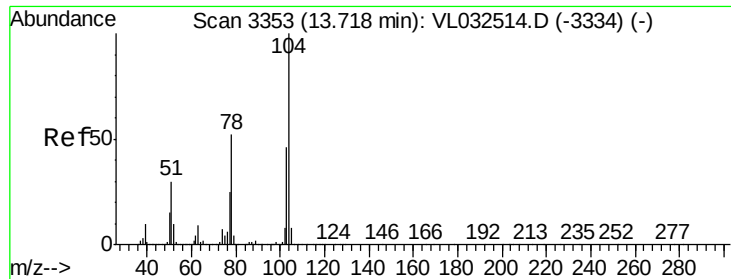
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#60
o-Xylene
Concen: 10.206 ppbv
RT: 13.89 min Scan# 3406
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Tgt Ion: 91 Resp: 3614118
Ion Ratio Lower Upper
91 100
106 43.5 21.9 65.7





#61

Stvrene

Concen: 11.470 ppbv

RT: 13.72 min Scan# 3355

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 2657023

Ion Ratio Lower Upper

104 100

78 53.3 41.8 62.8

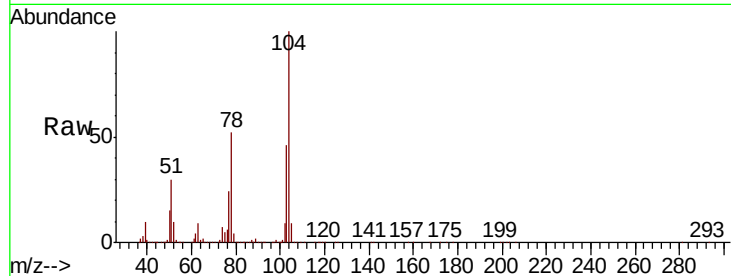
103 47.3 38.0 57.0

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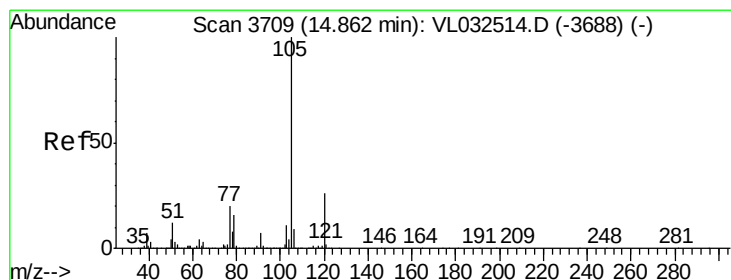
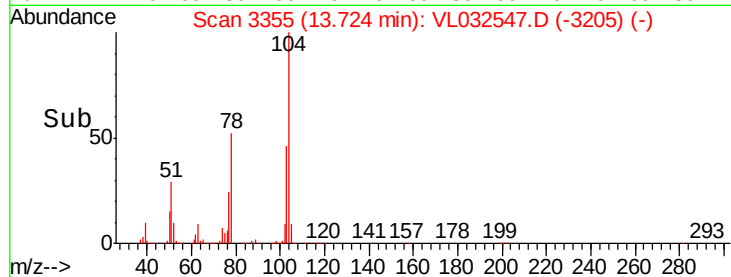
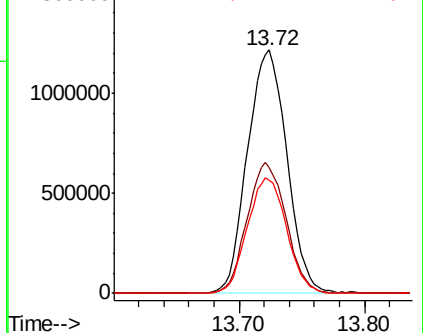
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.138 ppbv

RT: 14.87 min Scan# 3710

Delta R.T. -0.02 min

Lab File: VL032547.D

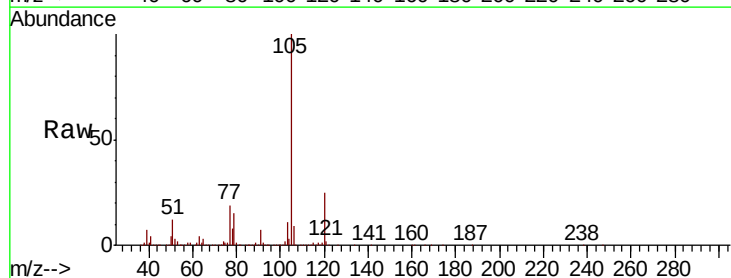
Acq: 25 Sep 2018 16:10

Tgt Ion:105 Resp: 5077147

Ion Ratio Lower Upper

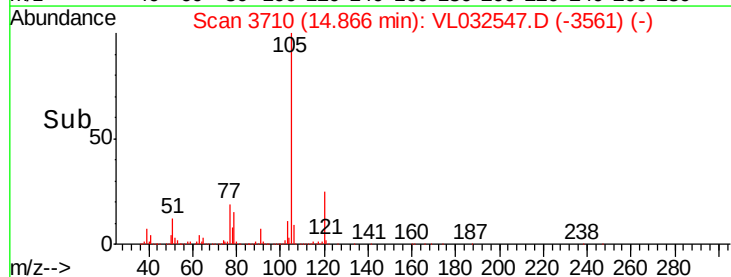
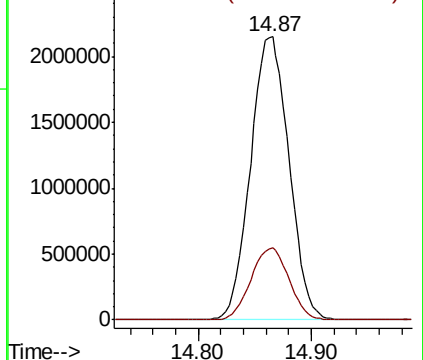
105 100

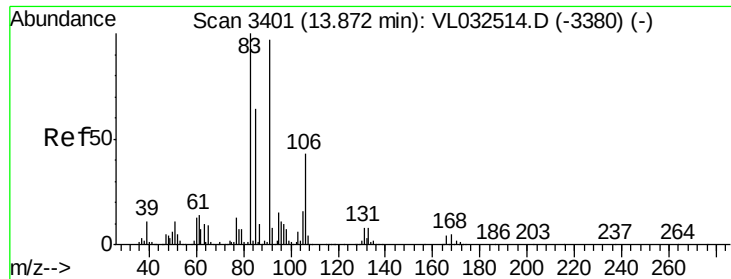
120 25.3 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 8.523 ppbv

RT: 13.87 min Scan# 3401

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 2681202

Ion Ratio Lower Upper

83 100

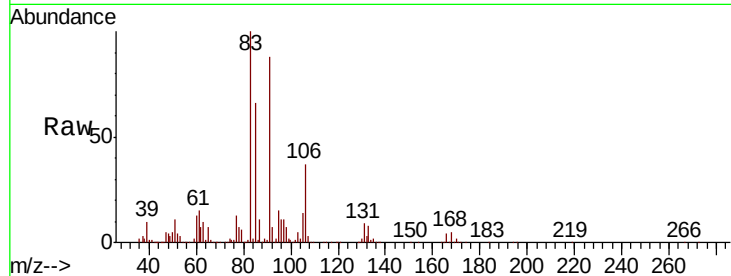
131 8.6 4.3 12.8

85 65.5 32.3 96.8

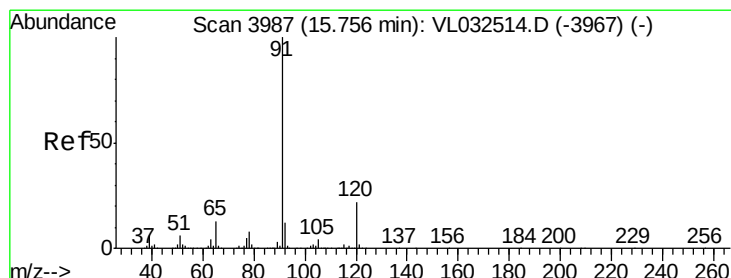
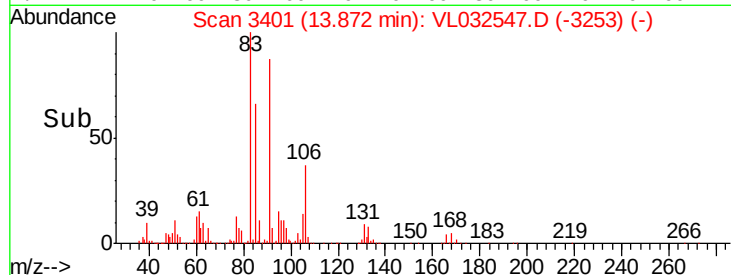
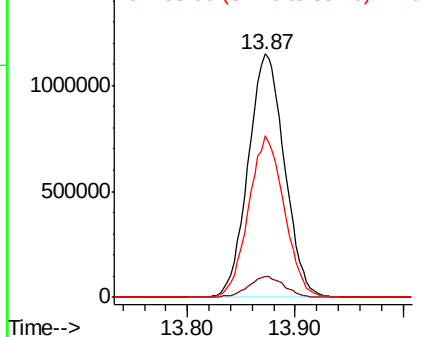
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Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.065 ppbv

RT: 15.76 min Scan# 3989

Delta R.T. -0.02 min

Lab File: VL032547.D

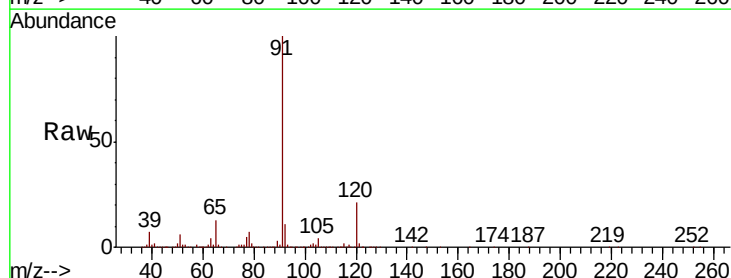
Acq: 25 Sep 2018 16:10

Tgt Ion: 120 Resp: 1294916

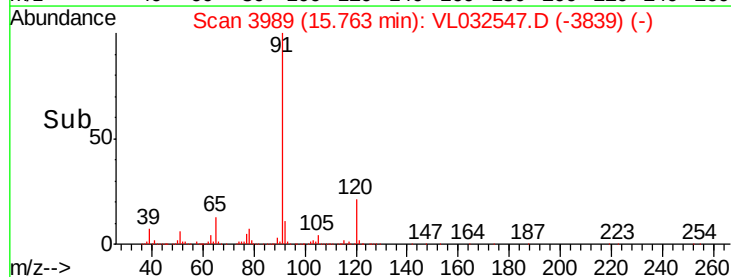
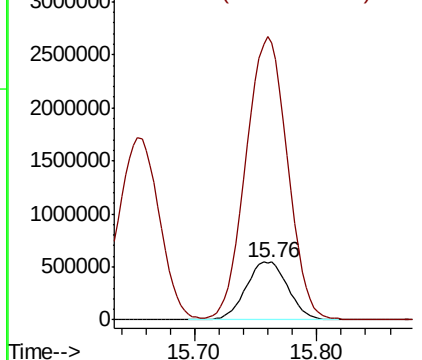
Ion Ratio Lower Upper

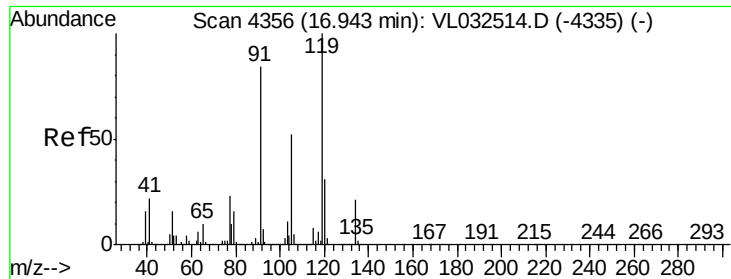
120 100

91 487.4 381.8 572.6



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





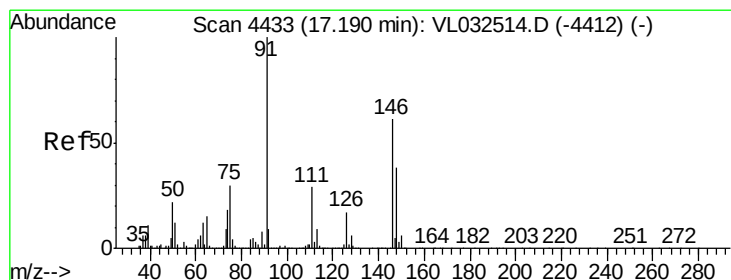
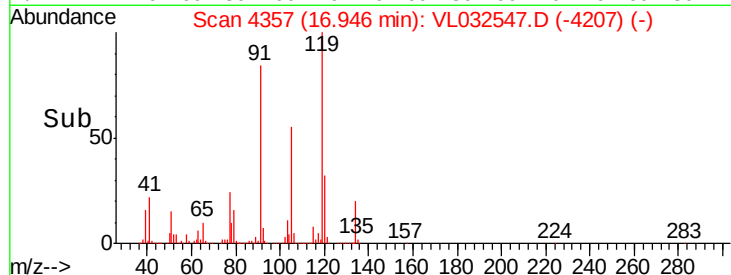
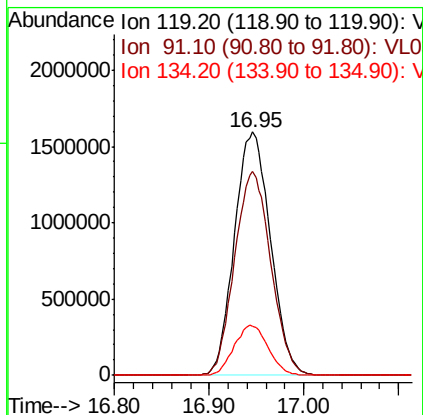
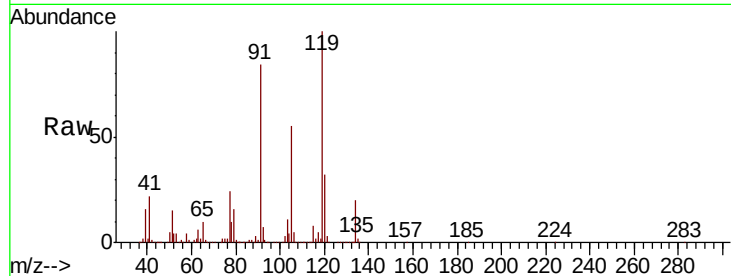
#65
 tert-Butylbenzene
 Concen: 9.832 ppbv
 RT: 16.95 min Scan# 4357
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	84.2	66.5	99.7
134	19.5	16.0	24.0

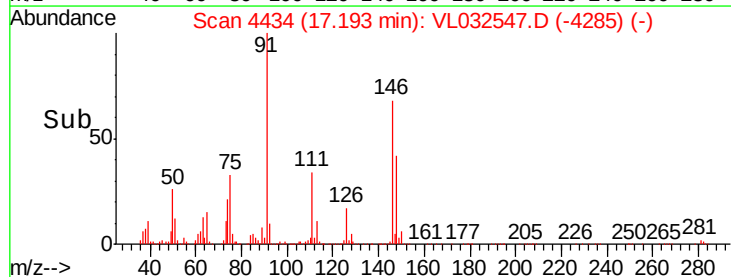
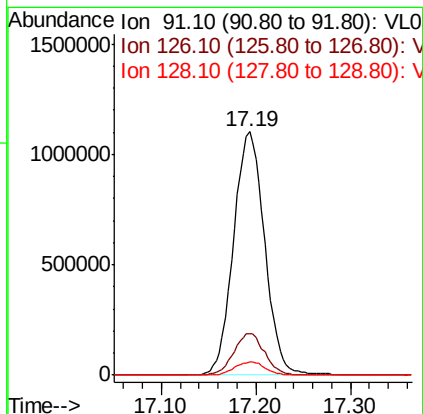
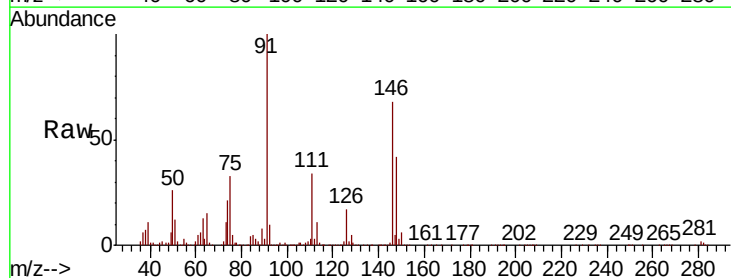
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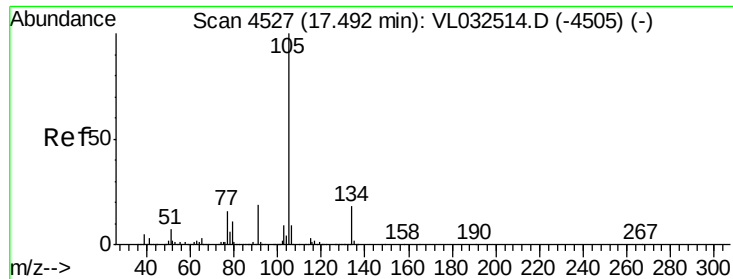
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#66
 Benzyl Chloride
 Concen: 10.171 ppbv
 RT: 17.19 min Scan# 4434
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.1	13.8	20.8
128	5.4	4.4	6.6





#67

sec-Butylbenzene

Concen: 9.825 ppbv

RT: 17.50 min Scan# 4528

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 6269868

Ion Ratio Lower Upper

105 100

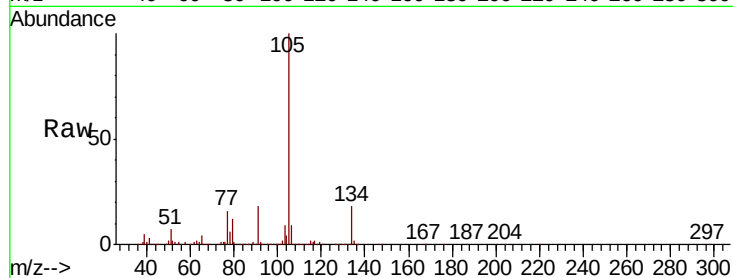
134 17.6 14.4 21.6

Manual Integrations

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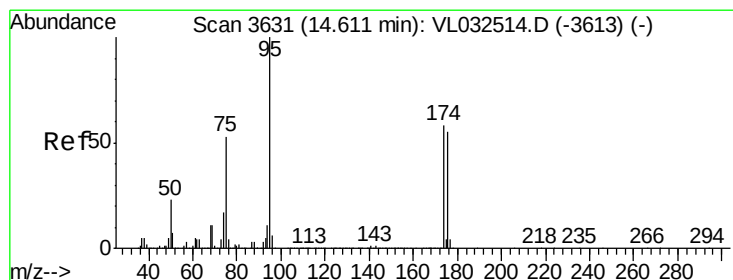
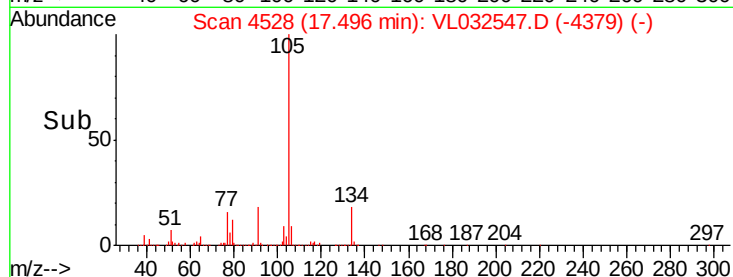
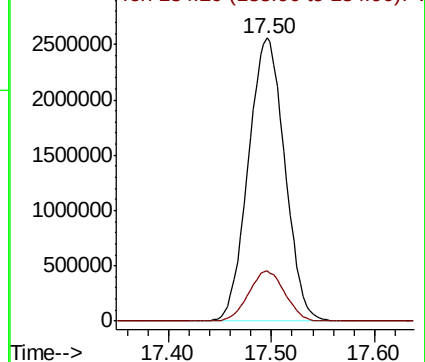
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.980 ppbv

RT: 14.61 min Scan# 3632

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

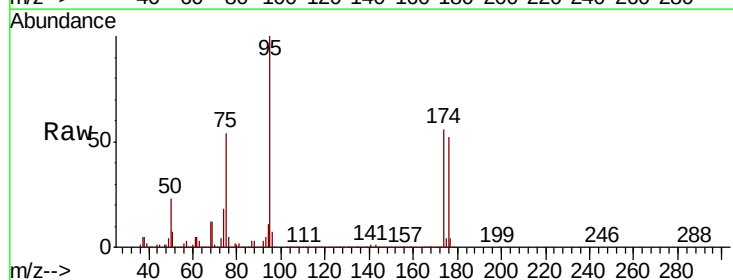
Tgt Ion: 95 Resp: 2536450

Ion Ratio Lower Upper

95 100

174 56.4 46.3 69.5

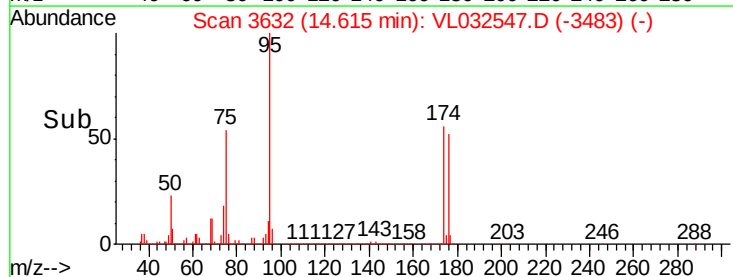
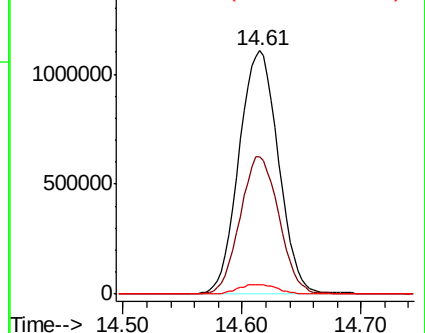
175 4.1 3.4 5.0

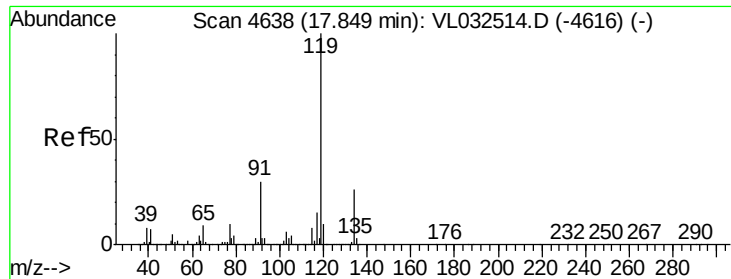


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





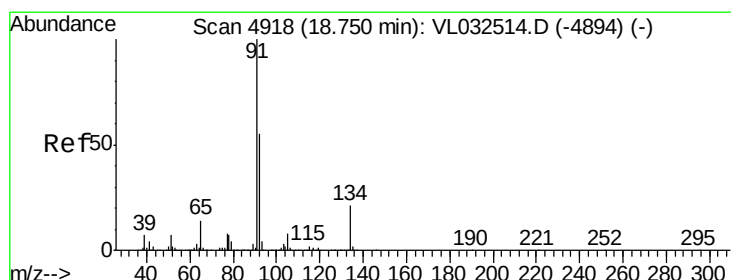
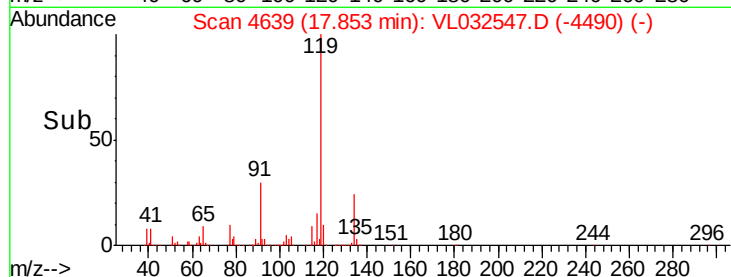
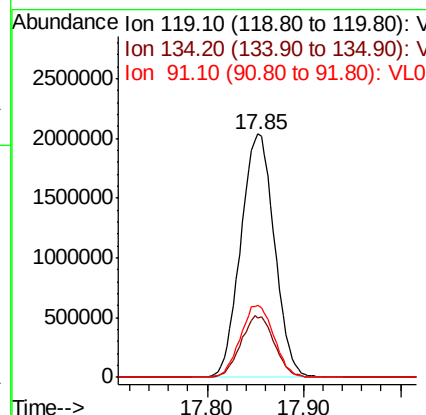
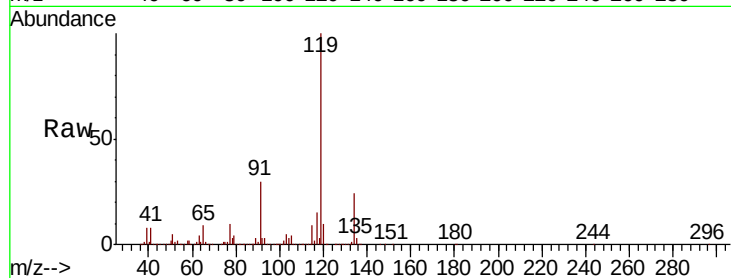
#69
 p-Isopropyltoluene
 Concen: 9.995 ppbv
 RT: 17.85 min Scan# 4639
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.4	30.6
91	29.5	23.4	35.2

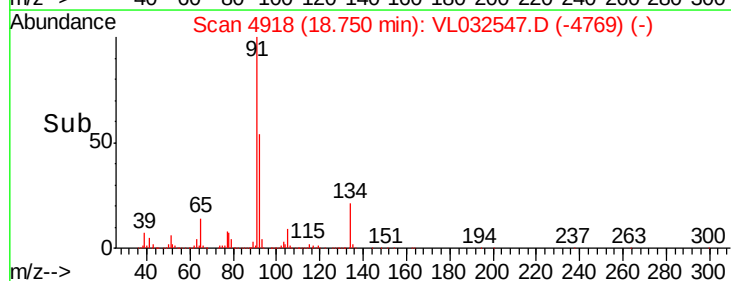
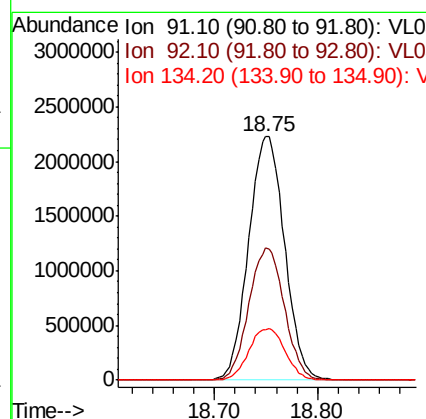
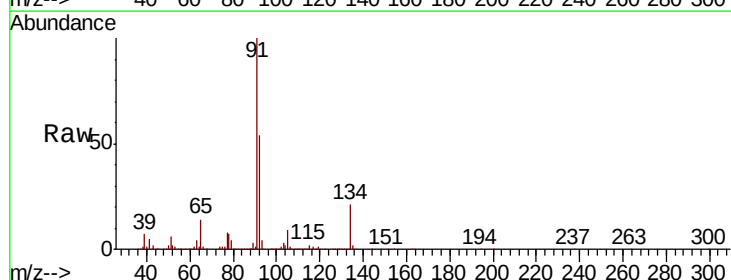
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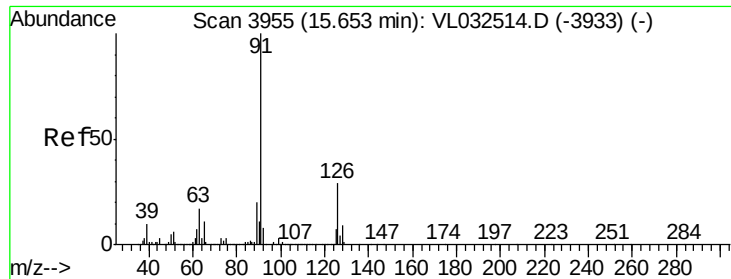
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#70
 n-Butylbenzene
 Concen: 10.009 ppbv
 RT: 18.75 min Scan# 4918
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.8	43.8	65.8
134	21.3	17.4	26.0





#71

2-Chlorotoluene

Concen: 10.360 ppbv

RT: 15.65 min Scan# 3955

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3951716

Ion Ratio Lower Upper

91 100

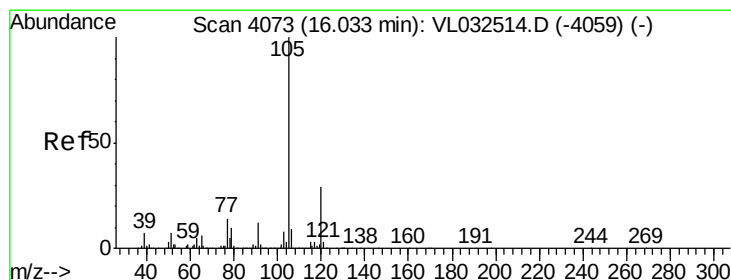
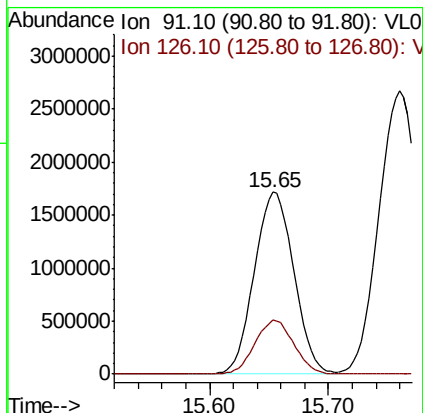
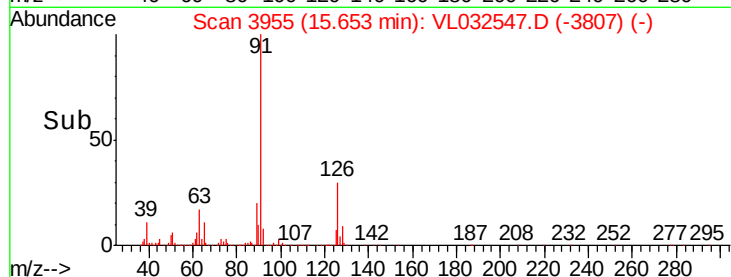
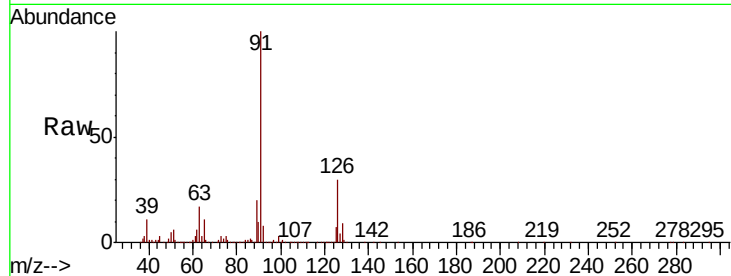
126 29.3 11.9 47.7

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#72

4-Ethyltoluene

Concen: 10.731 ppbv

RT: 16.04 min Scan# 4074

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Tgt Ion: 105 Resp: 4124700

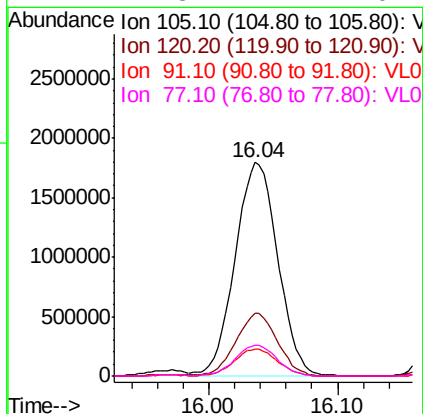
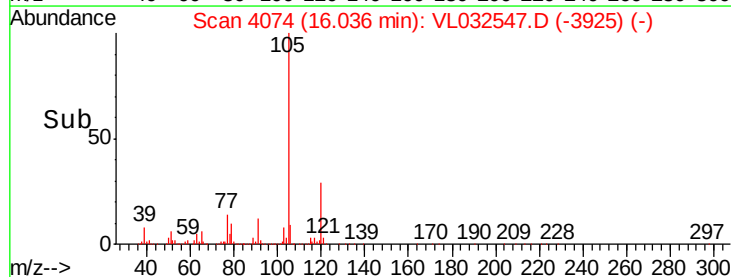
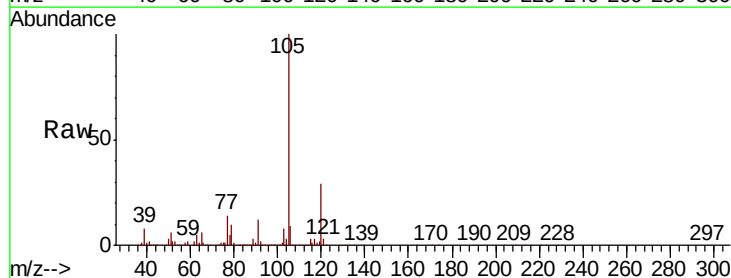
Ion Ratio Lower Upper

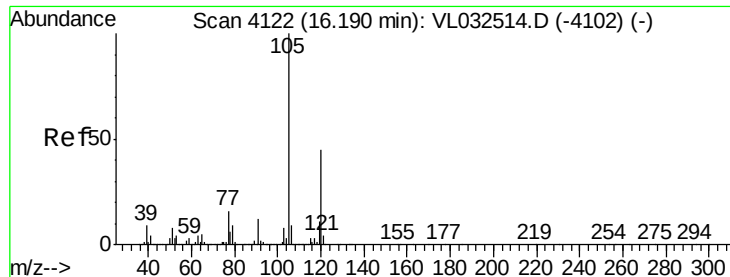
105 100

120 29.4 23.5 35.3

91 12.8 10.2 15.2

77 14.3 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 10.519 ppbv

RT: 16.20 min Scan# 4124

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3929256

Ion Ratio Lower Upper

105 100

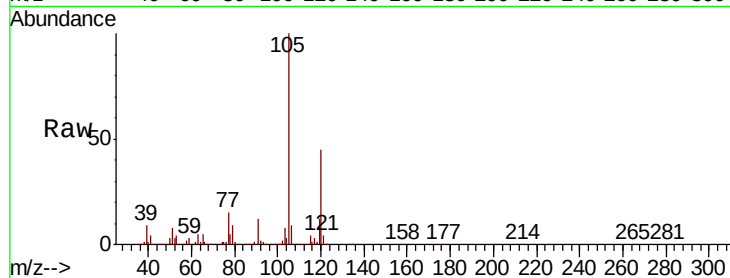
120 45.5 37.9 56.9

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

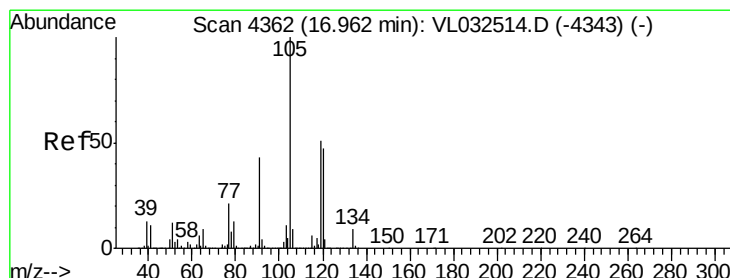
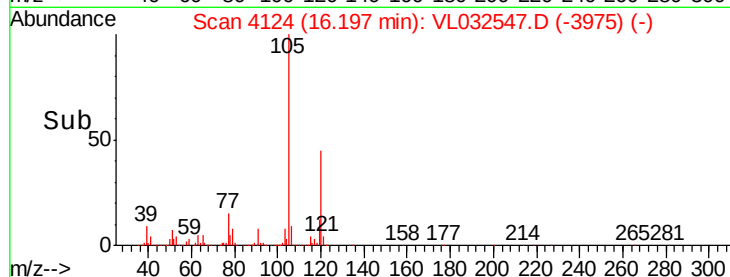
1000000

500000

0

16.10 16.20 16.30

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.760 ppbv

RT: 16.96 min Scan# 4362

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Tgt Ion:105 Resp: 3925376

Ion Ratio Lower Upper

105 100

120 46.7 37.8 56.8

91 51.6 41.4 62.0

77 23.3 18.6 28.0

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

1500000

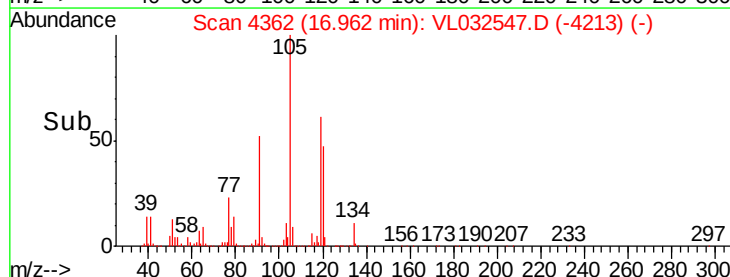
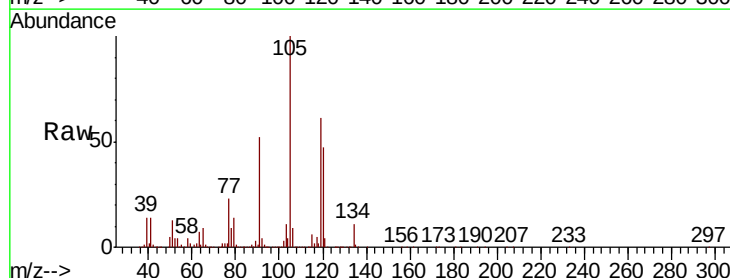
1000000

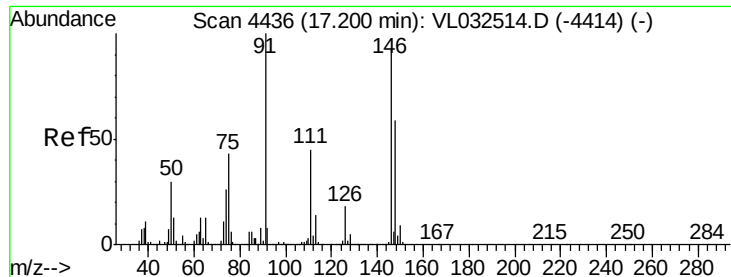
500000

0

16.90 17.00

Time-->





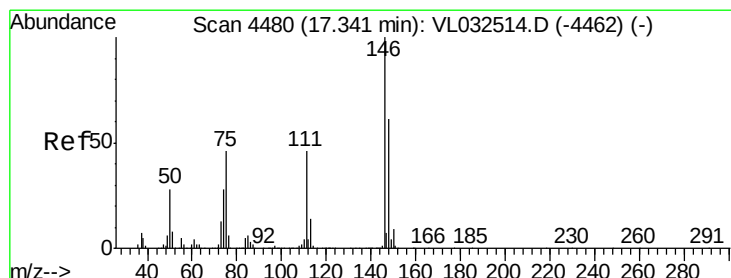
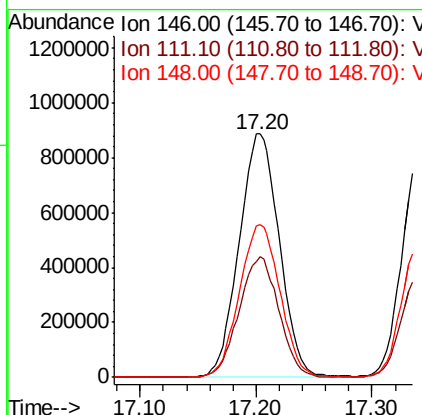
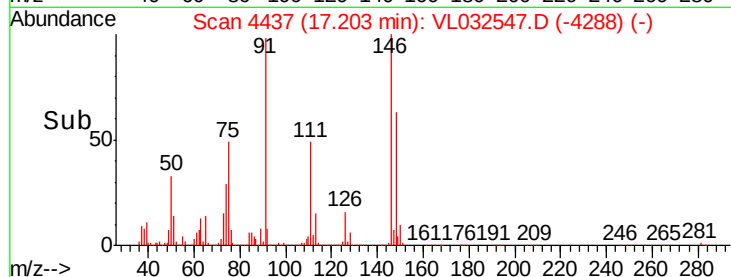
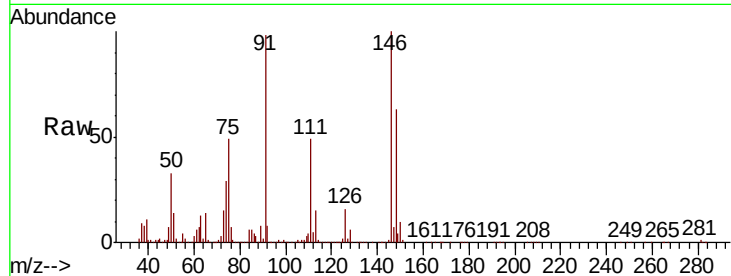
#75
 1,3-Dichlorobenzene
 Concen: 8.621 ppbv
 RT: 17.20 min Scan# 4437
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.3	24.5	73.5
148	63.4	32.0	96.2

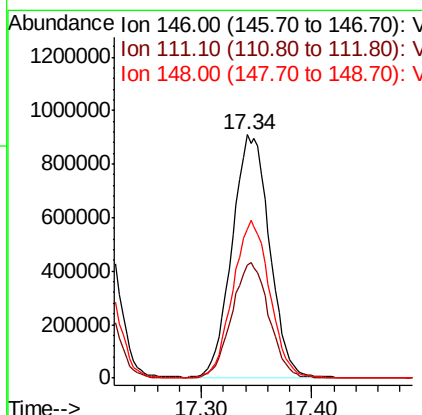
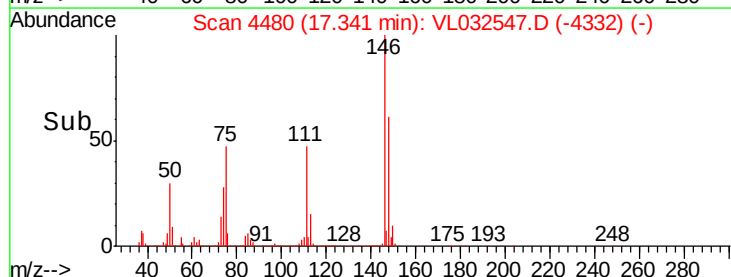
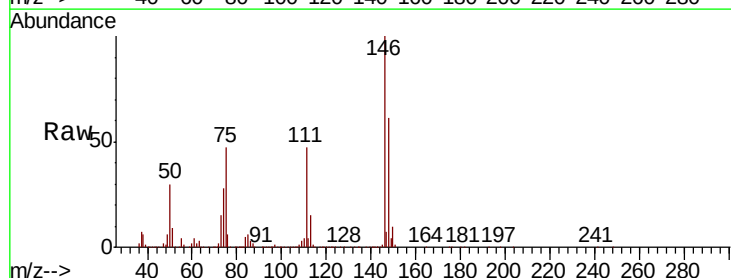
Manual Integrations
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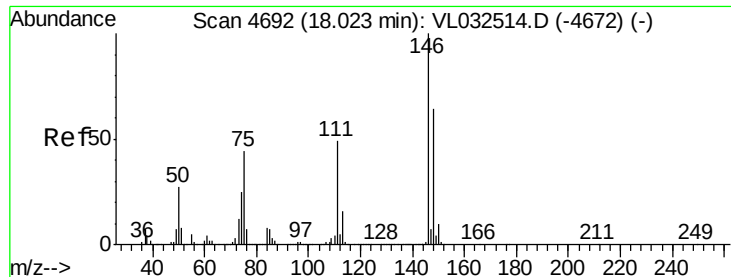
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#76
 1,4-Dichlorobenzene
 Concen: 9.487 ppbv m
 RT: 17.34 min Scan# 4480
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.4	70.2#
148	0.0	32.0	96.2#





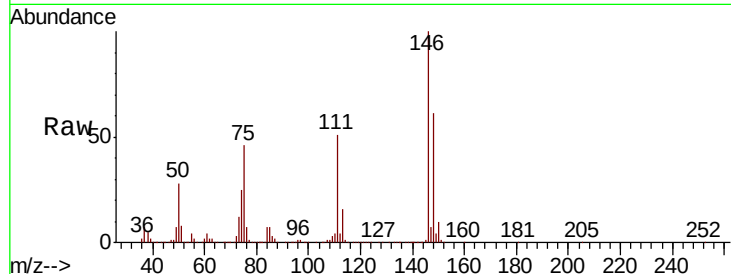
#77
 1,2-Dichlorobenzene
 Concen: 9.027 ppbv
 RT: 18.02 min Scan# 4692
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.4	24.9	74.8
148	63.6	32.0	96.0

Manual Integrations
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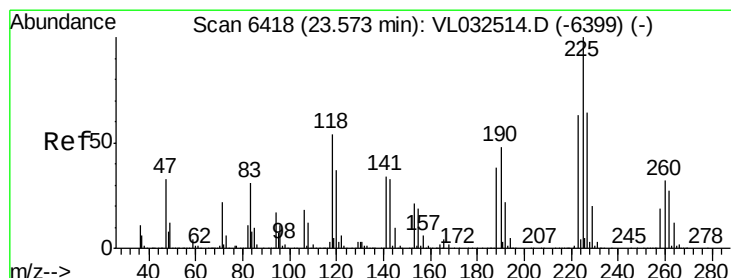
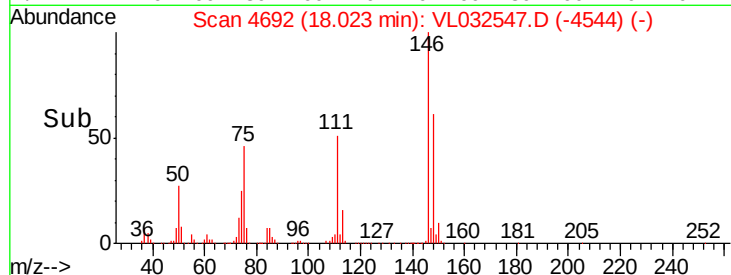
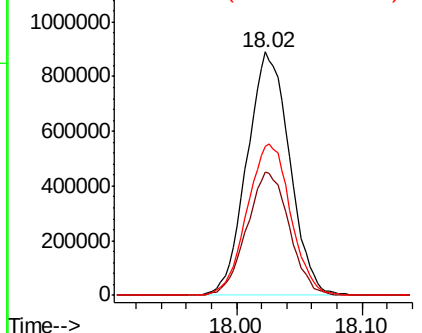


Abundance

Ion 146.00 (145.70 to 146.70): V

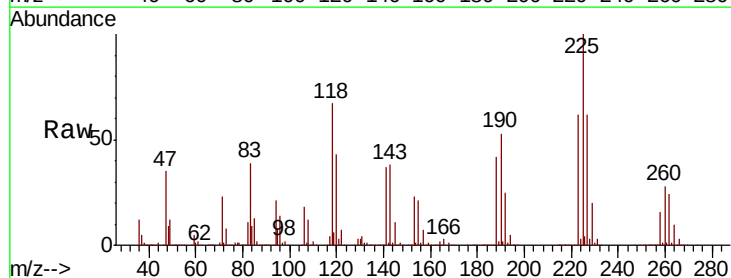
Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78
 Hexachloro-1,3-Butadiene
 Concen: 13.885 ppbv
 RT: 23.58 min Scan# 6419
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	76.0
227	62.7	51.2	76.8

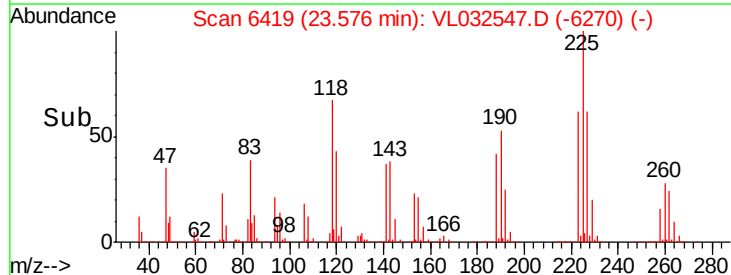
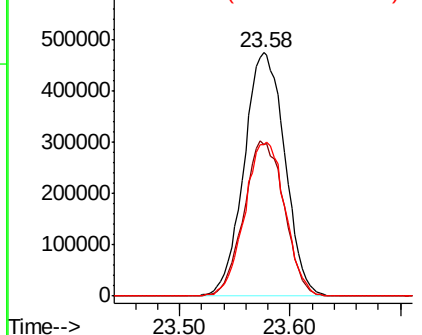


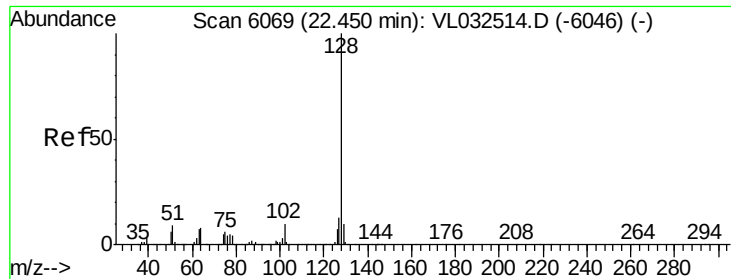
Abundance

Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 11.210 ppbv

RT: 22.45 min Scan# 6069

Delta R.T. -0.03 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

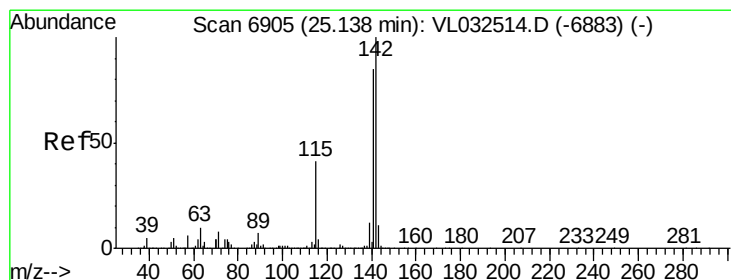
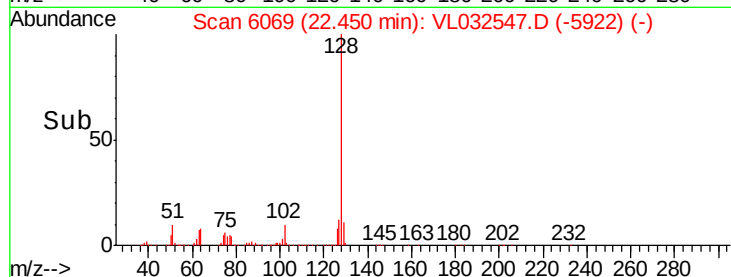
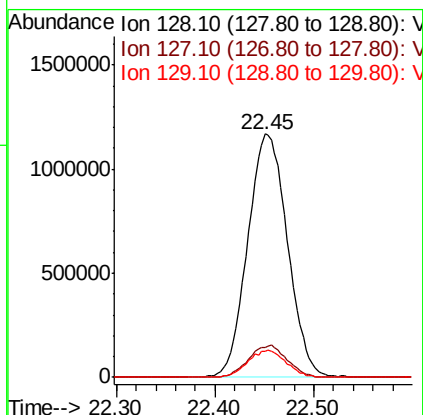
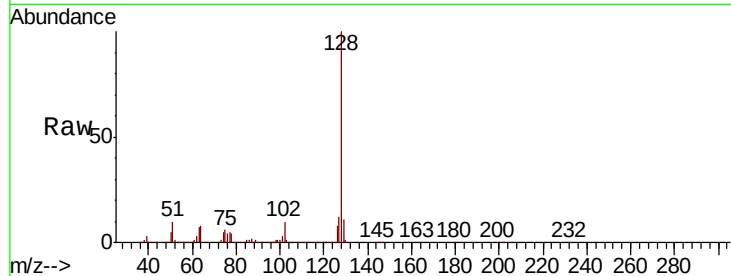
ClientSampleId :

VSTDCCC010EC

Tot Ion:	128	Resp:	3251869
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.2
129	10.6	8.5	12.7

Manual Integrations
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#80

Naphthalene, 2-methyl-

Concen: 15.594 ppbv

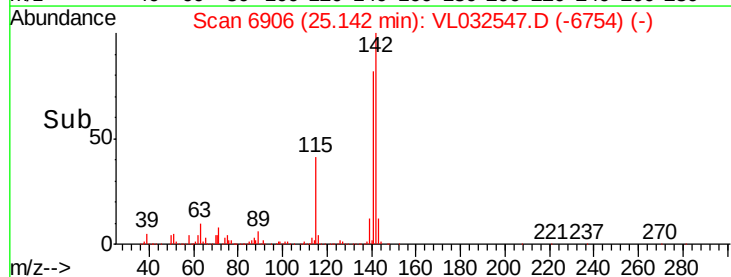
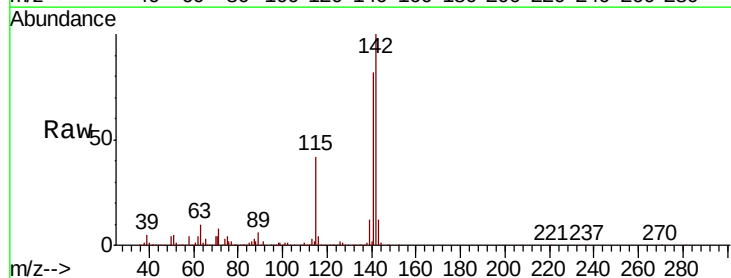
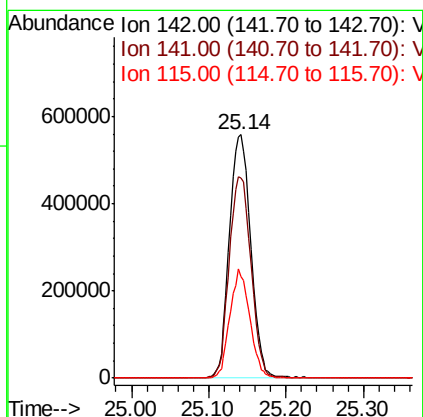
RT: 25.14 min Scan# 6906

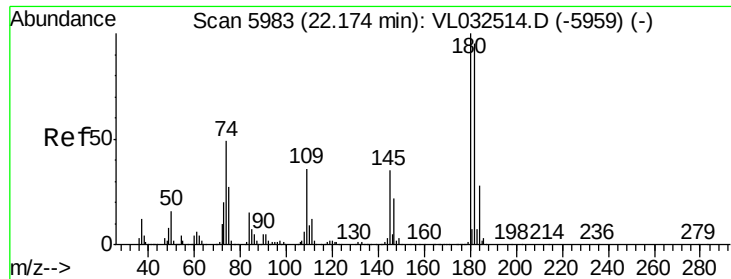
Delta R.T. -0.01 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Tgt Ion:	142	Resp:	1061973
Ion	Ratio	Lower	Upper
142	100		
141	84.5	67.0	100.6
115	41.6	31.3	46.9





#81
 1,2,4-Trichlorobenzene
 Concen: 10.455 ppbv
 RT: 22.18 min Scan# 5984
 Delta R.T. -0.03 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.1	114.1
184	30.2	23.8	35.8

Manual Integrations
 APPROVED

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