

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072718\
 Data File : VL032310.D
 Acq On : 27 Jul 2018 1:17
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 11:42:57 AM

Quant Time: Jul 27 05:41:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 2018
 QLast Update : Fri Jul 27 05:29:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.83	49	2126624	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	4318060	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	5353469	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.66	95	4072270	9.51	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.12	85	663674	1.99	ppbv	98
3) Chlorodifluoromethane	3.06	51	426324	1.80	ppbv	99
4) Chloromethane	3.22	50	260198	1.85	ppbv	97
5) Vinyl Chloride	3.34	62	239382	1.80	ppbv	100
6) Bromomethane	3.57	94	132101	1.84	ppbv	99
7) Chloroethane	3.65	64	85112	1.81	ppbv	97
8) Dichlorotetrafluoroethane	3.27	85	540462	1.85	ppbv	99
9) Propene	3.08	41	193438	1.86	ppbv	100
10) Heptane	8.33	43	718820	2.16	ppbv	99
11) Trichlorofluoromethane	4.06	101	497742	1.79	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.62	101	347907	1.93	ppbv	98
13) Ethanol	3.71	45	47597	1.59	ppbv	93
14) Bromoethene	3.85	108	151229	1.87	ppbv	98
15) Acetone	3.96	43	424782	1.94	ppbv	100
16) 1,3-Butadiene	3.41	39	229857	2.05	ppbv	89
17) tert-Butyl alcohol	4.43	59	117254	1.66	ppbv	99
18) 1,1-Dichloroethene	4.41	96	159852	1.89	ppbv	88
19) Isopropyl Alcohol	4.09	45	232516	1.54	ppbv #	95
20) Methylene Chloride	4.47	84	162660	1.89	ppbv	95
21) Allyl Chloride	4.54	41	271468	1.84	ppbv	98
22) trans-1,2-Dichloroethene	5.03	96	149943	1.73	ppbv	95
23) Vinyl Acetate	5.22	43	726893	1.83	ppbv #	97
24) 1,1-Dichloroethane	5.16	63	539281	1.88	ppbv	99
25) Ethyl Acetate	5.84	43	939620	1.95	ppbv	100
26) Hexane	5.85	57	431742	1.95	ppbv	98
27) Carbon Disulfide	4.68	76	376080	1.91	ppbv	98
28) Methyl tert-Butyl Ether	5.19	73	587009	1.81	ppbv	100
29) Chloroform	5.92	83	607601	1.87	ppbv	92
30) Cyclohexane	7.33	84	333834	1.81	ppbv	90
31) cis-1,2-Dichloroethene	5.71	61	392133	1.84	ppbv	97
32) 1,1,1-Trichloroethane	6.70	97	563148	1.72	ppbv	98
34) 2-Butanone	5.40	43	614157	2.06	ppbv	99
35) Carbon Tetrachloride	7.21	117	553933	1.88	ppbv	99
36) Benzene	7.08	78	837993	1.96	ppbv	97
37) 1,2-Dichloroethane	6.49	62	477415	1.92	ppbv	99
38) Trichloroethene	8.04	130	349044	2.42	ppbv	96
39) 1,2-Dichloropropane	7.82	63	417909	2.37	ppbv	97
40) 1,4-Dioxane	8.06	88	100008	1.93	ppbv #	17
41) Tetrahydrofuran	6.23	42	347118	2.02	ppbv	99
42) Bromodichloromethane	8.00	83	774647	2.35	ppbv	99
43) Methyl Methacrylate	8.22	69	394982	2.25	ppbv	97

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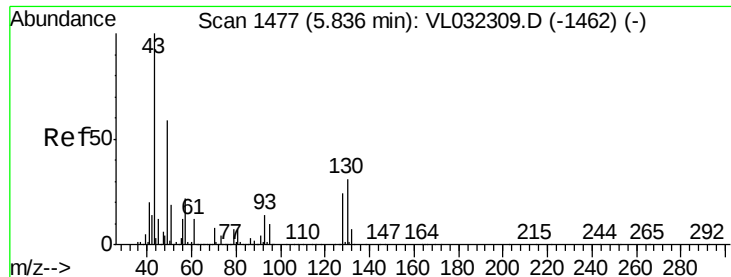
MMDadoda
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	8.07	57	1910335	2.53	ppbv	100
45) t-1,3-Dichloropropene	9.50	75	441988	2.08	ppbv	97
46) cis-1,3-Dichloropropene	8.92	75	551598	2.09	ppbv	95
47) 1,1,2-Trichloroethane	9.70	97	408597	2.23	ppbv	99
48) Dibromochloromethane	10.54	129	600909	2.23	ppbv	99
49) Bromoform	13.29	173	504643	2.15	ppbv	99
50) 4-Methyl-2-Pentanone	8.96	43	1109117	2.25	ppbv	98
51) 2-Hexanone	10.36	43	840562	2.17	ppbv #	98
52) Tetrachloroethene	11.46	164	305919	2.08	ppbv	94
53) Toluene	10.03	91	1061787	2.05	ppbv	99
54) 1,2-Dibromoethane	10.85	107	575489	2.11	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.36	131	467766	1.97	ppbv #	1
57) Chlorobenzene	12.39	112	878621	2.00	ppbv	99
58) Ethyl Benzene	12.95	91	1476884	1.99	ppbv	96
59) m/p-Xylene	13.23	91	2486499m	3.88	ppbv	
60) o-Xylene	13.94	91	1255116	1.97	ppbv	97
61) Styrene	13.77	104	913687	1.95	ppbv	99
62) Isopropylbenzene	14.91	105	1739499	1.93	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.92	83	985098	1.81	ppbv	99
64) n-propylbenzene	15.81	120	447833	1.93	ppbv	90
65) tert-Butylbenzene	16.99	119	1519283	1.97	ppbv	99
66) Benzyl Chloride	17.24	91	853204	1.98	ppbv	99
67) sec-Butylbenzene	17.54	105	2259718	1.96	ppbv	99
69) p-Isopropyltoluene	17.90	119	1774348	1.99	ppbv	100
70) n-Butylbenzene	18.80	91	2044350	2.05	ppbv	97
71) 2-Chlorotoluene	15.70	91	1373367	1.90	ppbv	99
72) 4-Ethyltoluene	16.08	105	1394533	1.92	ppbv	99
73) 1,3,5-Trimethylbenzene	16.24	105	1368240	1.93	ppbv	99
74) 1,2,4-Trimethylbenzene	17.01	105	1460104	1.96	ppbv	98
75) 1,3-Dichlorobenzene	17.25	146	818109	1.96	ppbv	99
76) 1,4-Dichlorobenzene	17.39	146	778854	1.89	ppbv	100
77) 1,2-Dichlorobenzene	18.07	146	799171	1.98	ppbv	99
78) Hexachloro-1,3-Butadiene	23.62	225	265392m	2.00	ppbv	
79) Naphthalene	22.51	128	1292962	2.04	ppbv	98
80) Naphthalene, 2-methyl-	25.19	142	511286	1.90	ppbv	99
81) 1,2,4-Trichlorobenzene	22.23	180	645661m	2.08	ppbv	

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.83 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VL032310.D

Acq: 27 Jul 2018 1:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 2126624

Ion Ratio Lower Upper

49 100

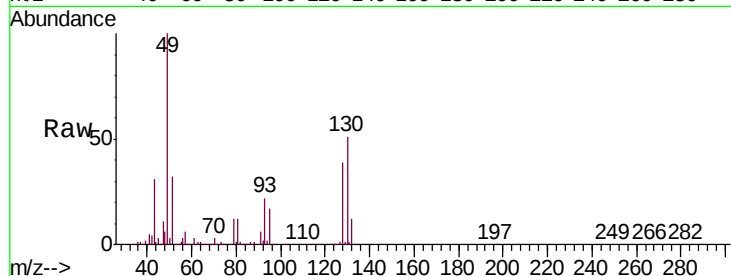
128 39.7 20.2 60.6

130 50.5 25.8 77.3

Manual Integrations
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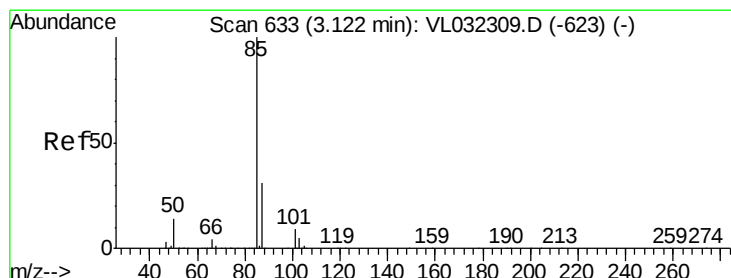
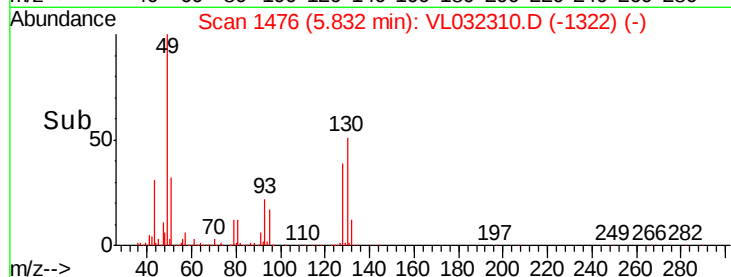
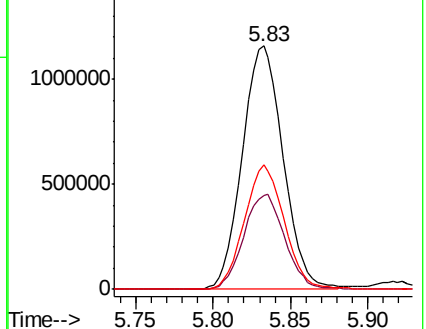
7/30/2018 11:42:57 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 1.99 ppbv

RT: 3.12 min Scan# 633

Delta R.T. -0.00 min

Lab File: VL032310.D

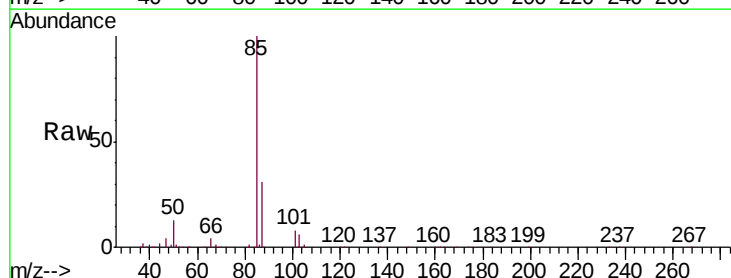
Acq: 27 Jul 2018 1:17

Tgt Ion: 85 Resp: 663674

Ion Ratio Lower Upper

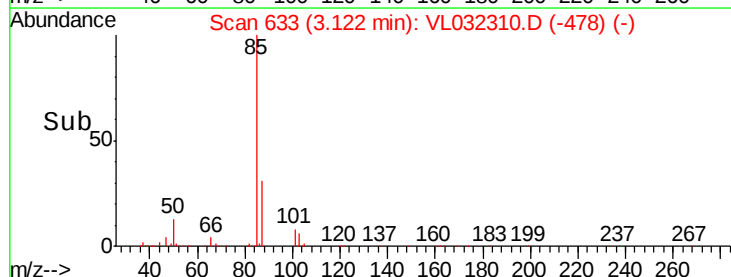
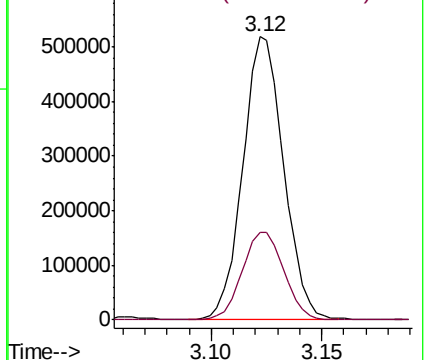
85 100

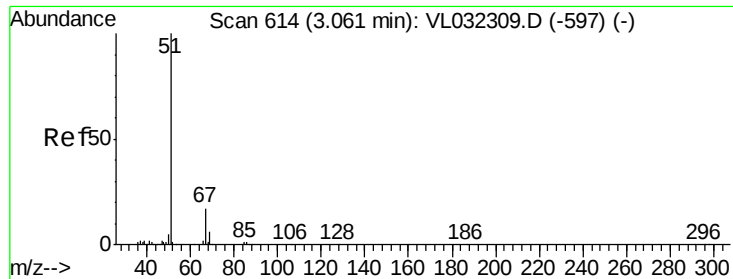
87 30.6 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.80 ppbv

RT: 3.06 min Scan# 614

Delta R.T. -0.00 min

Lab File: VL032310.D

Acq: 27 Jul 2018 1:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 51 Resp: 426324

Ion Ratio Lower Upper

51 100

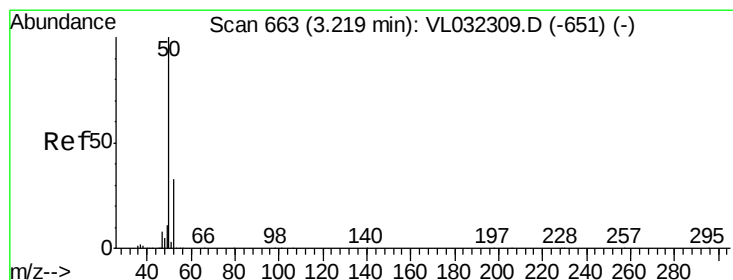
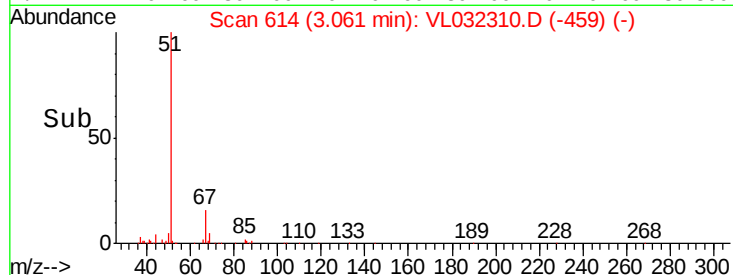
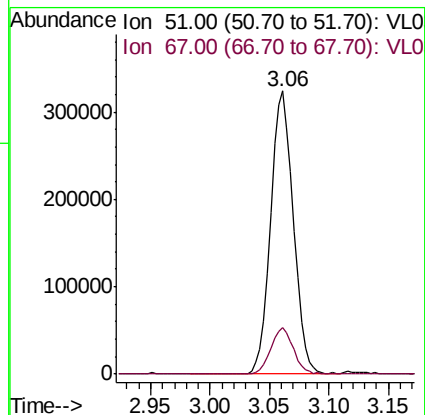
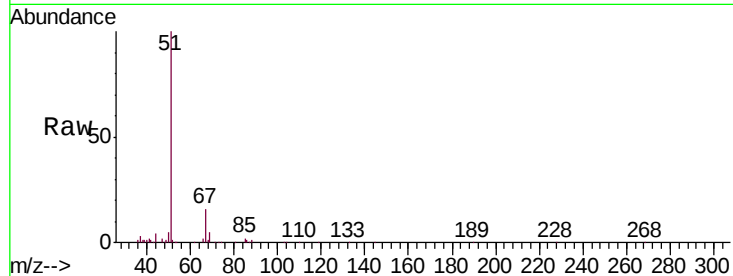
67 16.3 13.5 20.3

Manual Integrations

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#4

Chloromethane

Concen: 1.85 ppbv

RT: 3.22 min Scan# 664

Delta R.T. 0.00 min

Lab File: VL032310.D

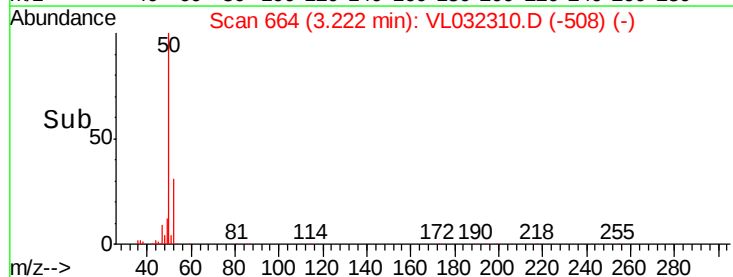
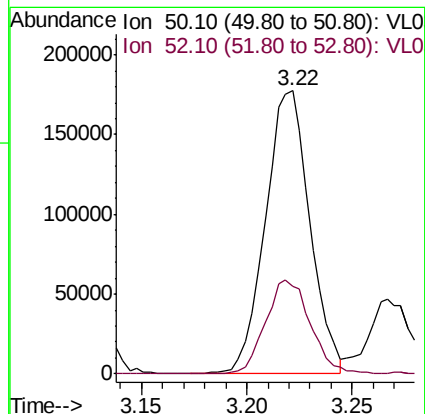
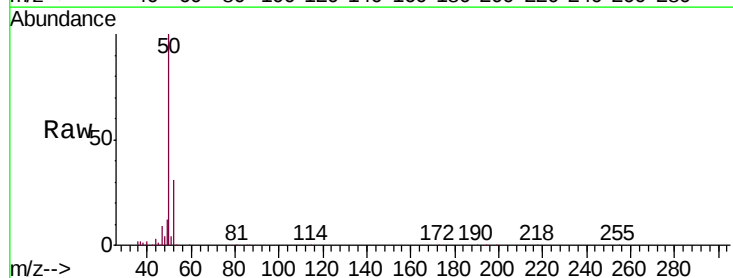
Acq: 27 Jul 2018 1:17

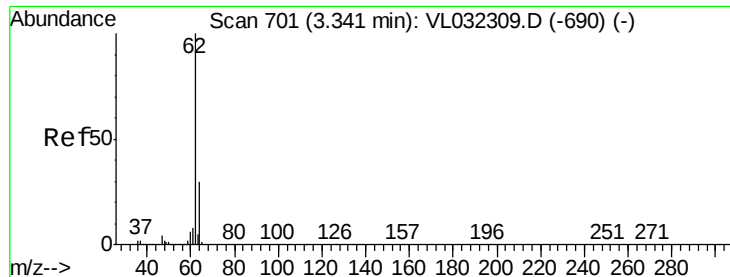
Tgt Ion: 50 Resp: 260198

Ion Ratio Lower Upper

50 100

52 30.9 26.2 39.4





#5

Vinyl Chloride

Concen: 1.80 ppbv

RT: 3.34 min Scan# 701

Delta R.T. -0.00 min

Lab File: VL032310.D

Acq: 27 Jul 2018 1:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 239382

Ion Ratio Lower Upper

62 100

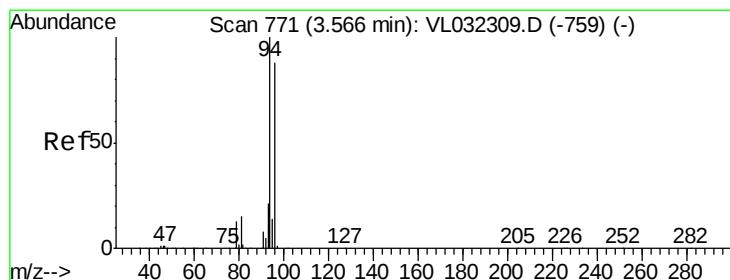
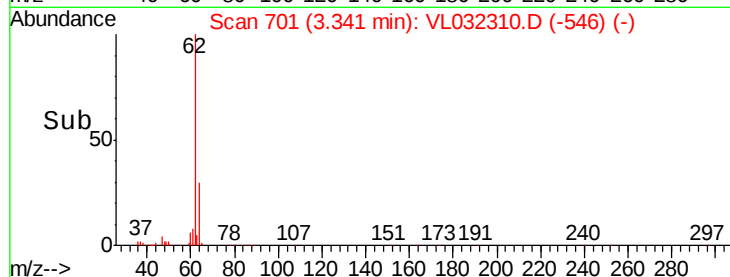
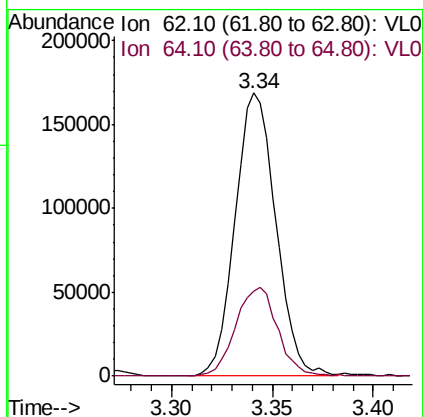
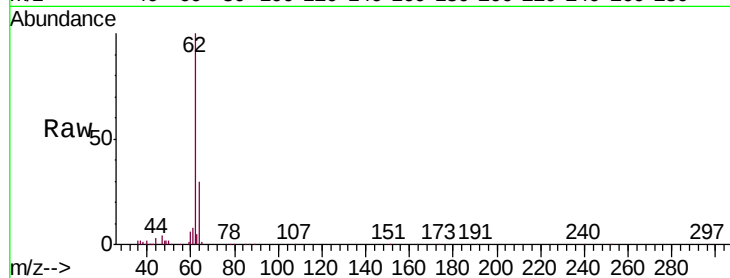
64 30.2 24.1 36.1

Manual Integrations

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#6

Bromomethane

Concen: 1.84 ppbv

RT: 3.57 min Scan# 771

Delta R.T. -0.00 min

Lab File: VL032310.D

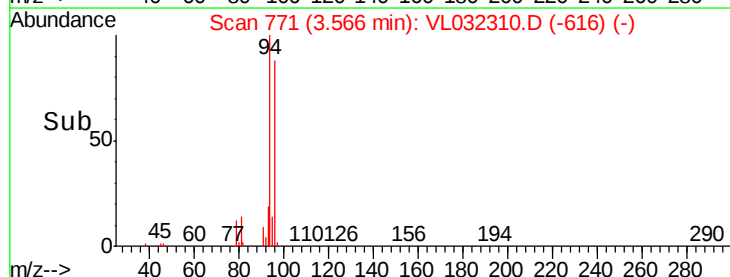
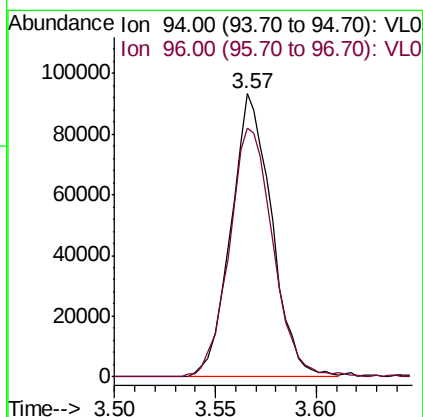
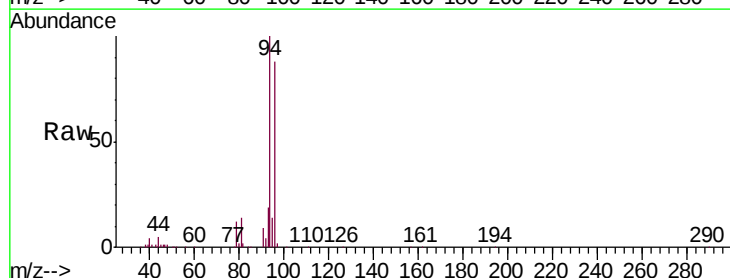
Acq: 27 Jul 2018 1:17

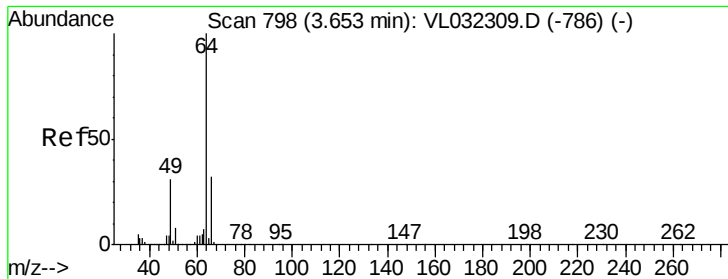
Tgt Ion: 94 Resp: 132101

Ion Ratio Lower Upper

94 100

96 86.9 70.2 105.4





#7

Chloroethane

Concen: 1.81 ppbv

RT: 3.65 min Scan# 798

Delta R.T. -0.00 min

Lab File: VL032310.D

Acq: 27 Jul 2018 1:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 85112

Ion Ratio Lower Upper

64 100

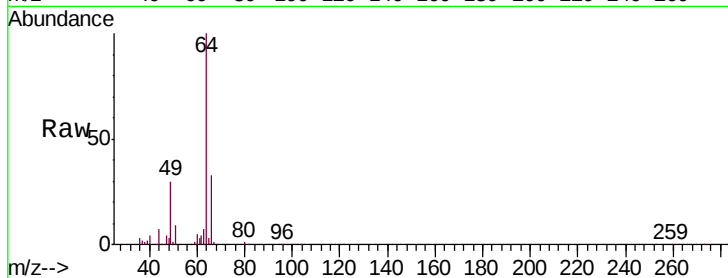
66 34.0 25.7 38.5

Manual Integrations

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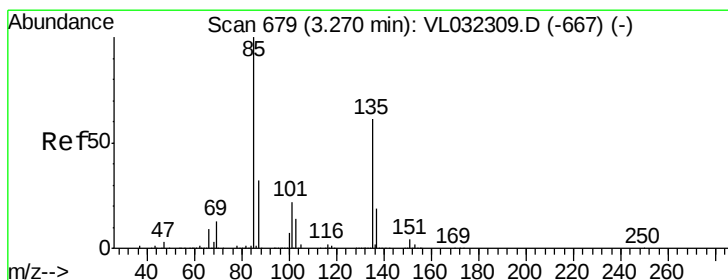
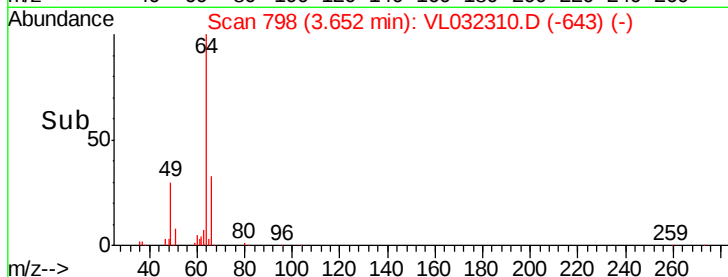
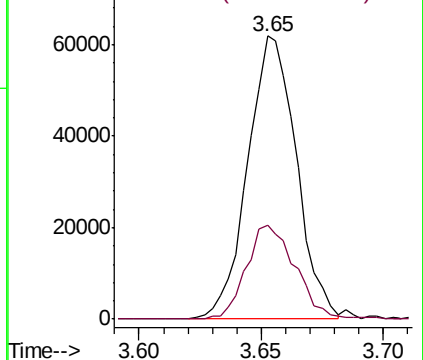
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.85 ppbv

RT: 3.27 min Scan# 679

Delta R.T. -0.00 min

Lab File: VL032310.D

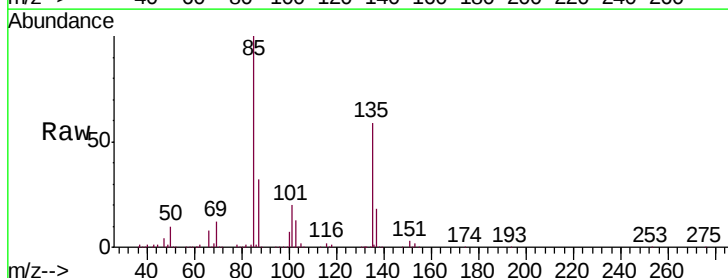
Acq: 27 Jul 2018 1:17

Tgt Ion: 85 Resp: 540462

Ion Ratio Lower Upper

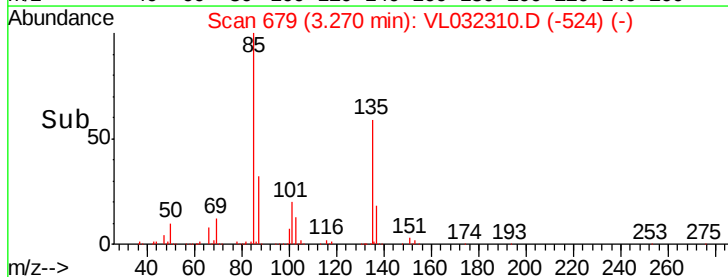
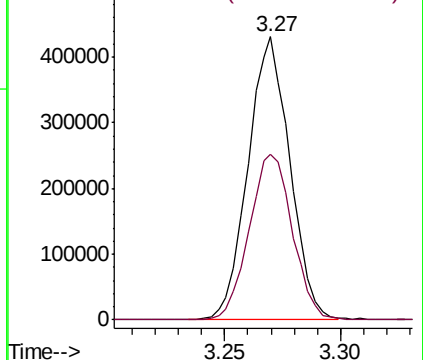
85 100

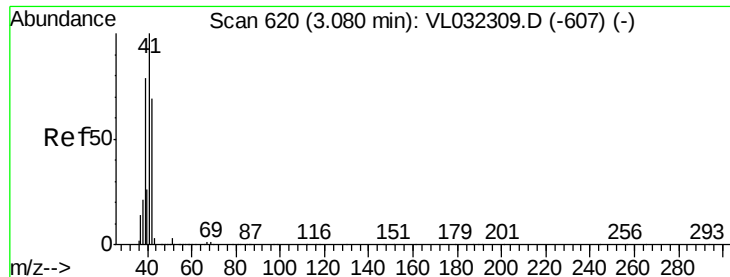
135 60.5 48.7 73.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 1.86 ppbv

RT: 3.08 min Scan# 621

Delta R.T. 0.00 min

Lab File: VL032310.D

Acq: 27 Jul 2018 1:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 41 Resp: 193438

Ion Ratio Lower Upper

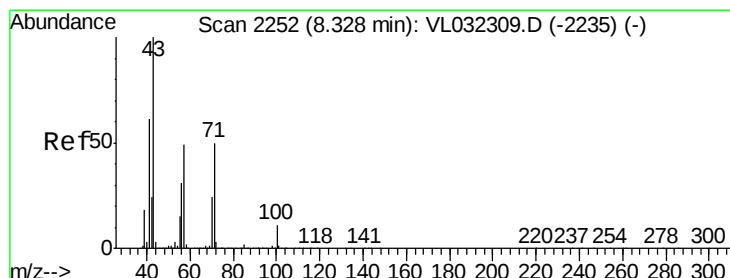
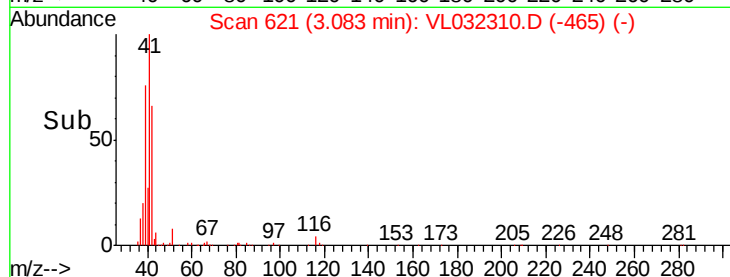
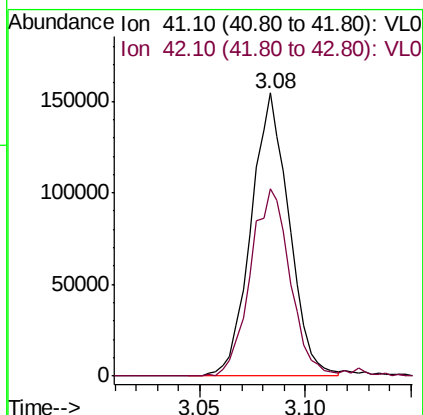
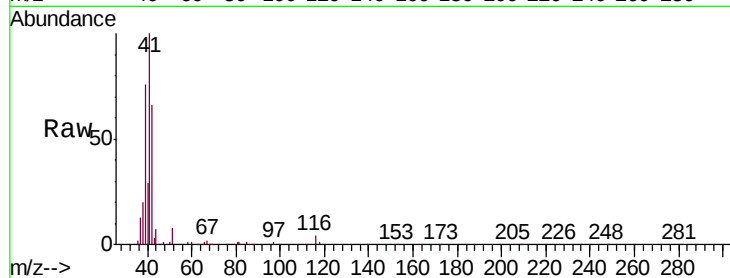
41 100

42 70.9 56.8 85.2

Manual Integrations
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#10

Heptane

Concen: 2.16 ppbv

RT: 8.33 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VL032310.D

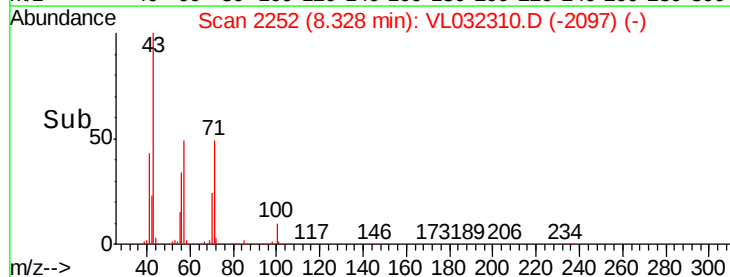
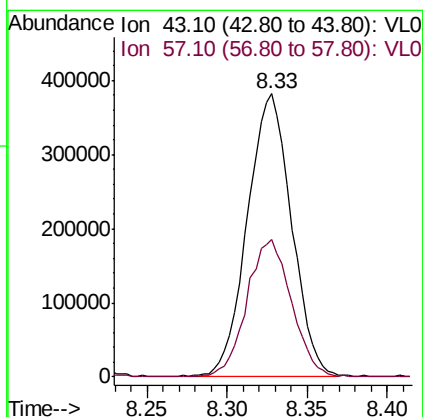
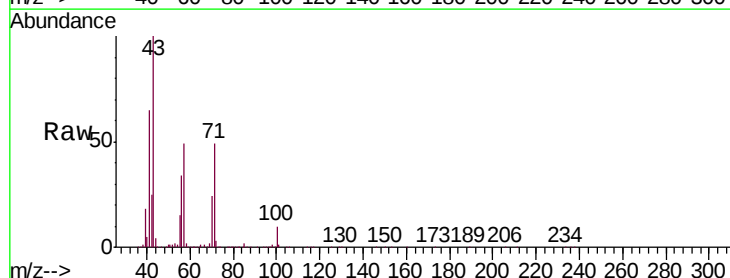
Acq: 27 Jul 2018 1:17

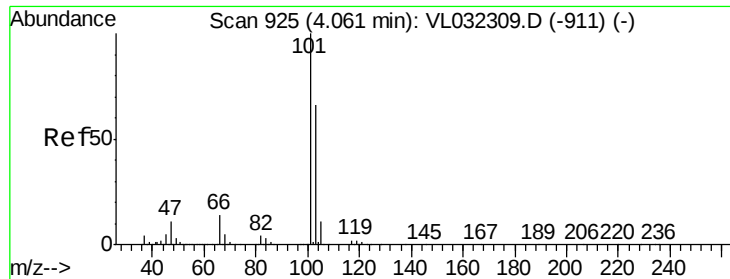
Tgt Ion: 43 Resp: 718820

Ion Ratio Lower Upper

43 100

57 49.4 39.0 58.4





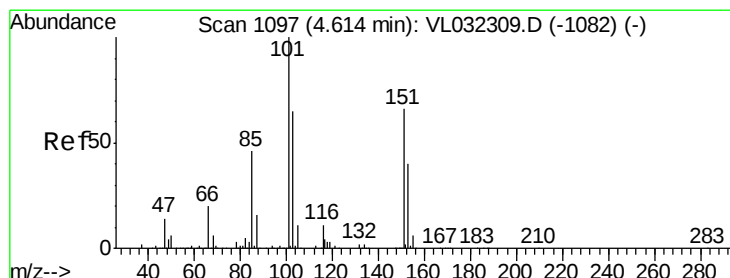
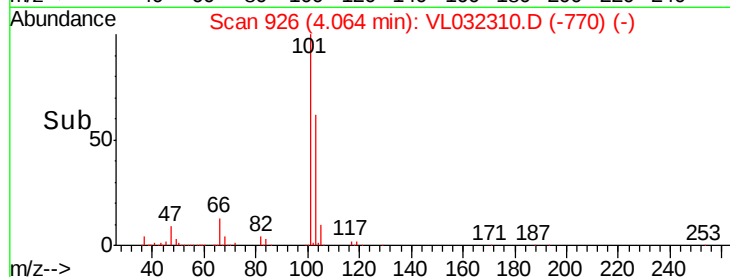
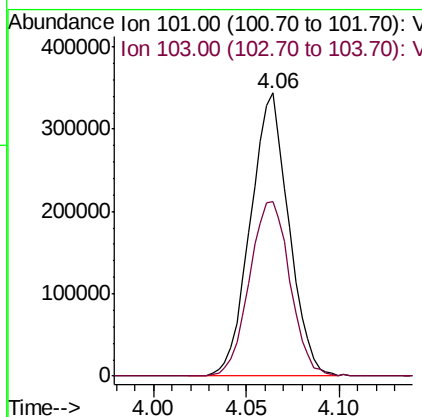
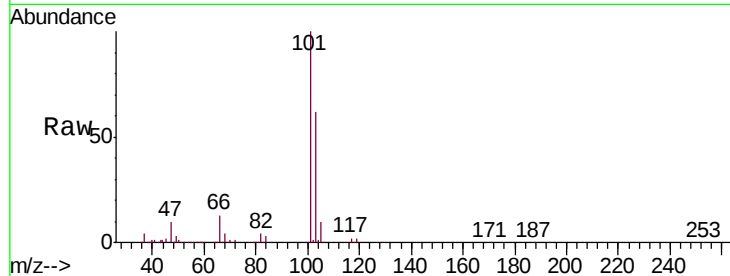
#11
 Trichlorofluoromethane
 Concen: 1.79 ppbv
 RT: 4.06 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: VL032310.D
 Acq: 27 Jul 2018 1:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	52.6	78.8

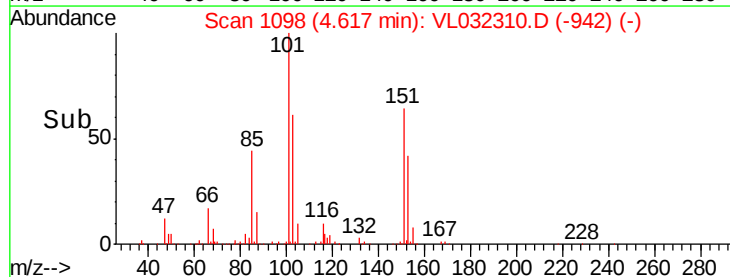
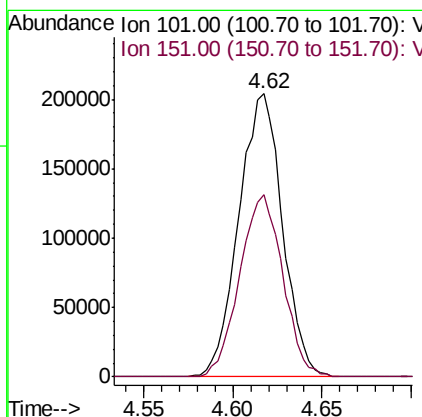
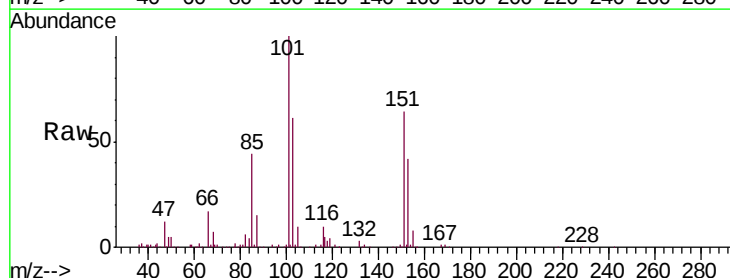
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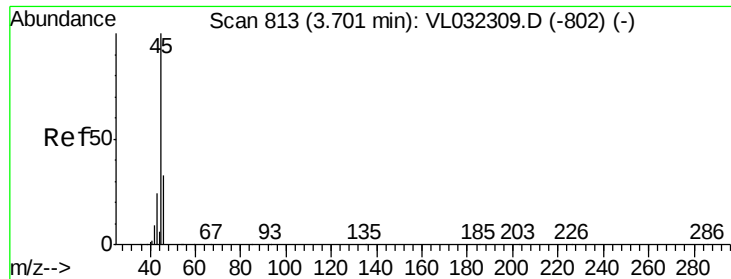
MMDadoda
 7/30/2018 11:42:57 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.93 ppbv
 RT: 4.62 min Scan# 1098
 Delta R.T. 0.00 min
 Lab File: VL032310.D
 Acq: 27 Jul 2018 1:17

Tgt Ion	Ratio	Lower	Upper
101	100		
151	63.9	52.4	78.6





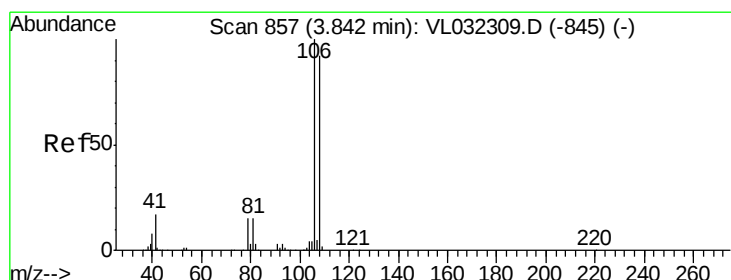
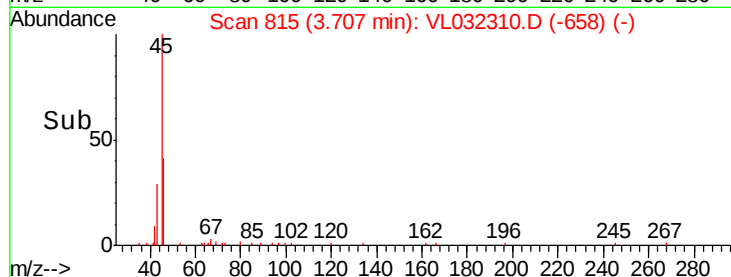
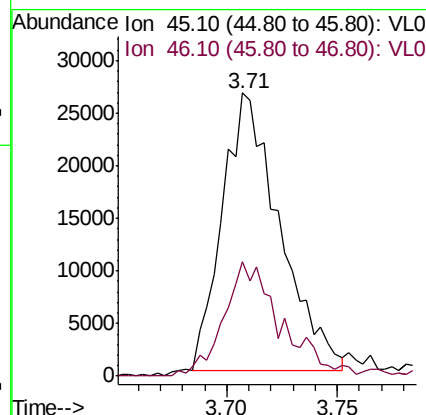
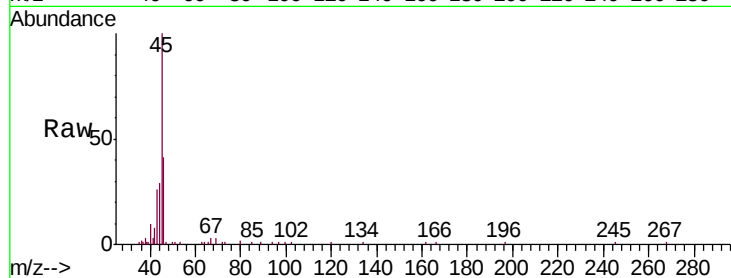
#13
Ethanol
Concen: 1.59 ppbv
RT: 3.71 min Scan# 815
Delta R.T. 0.01 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	45	Resp	47597
Ion Ratio	100	Lower	Upper
46	42.1	15.2	60.6

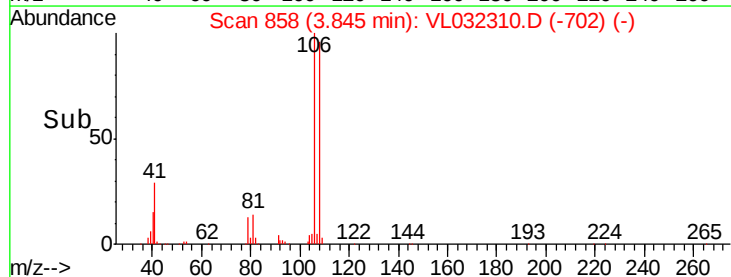
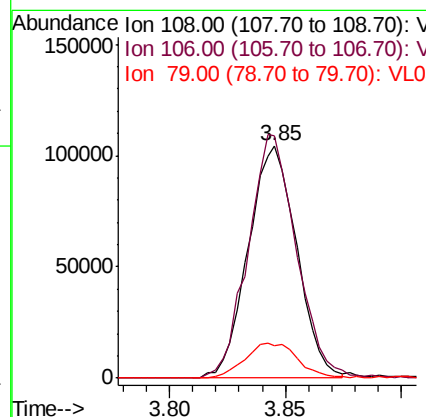
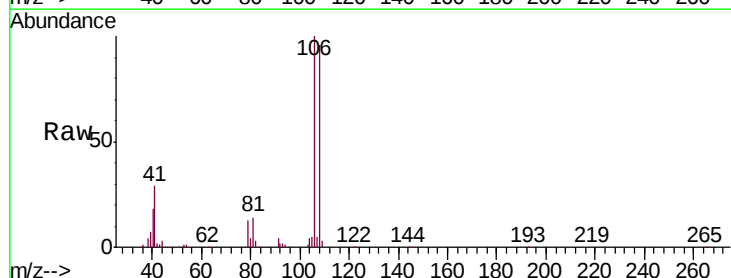
Manual Integrations
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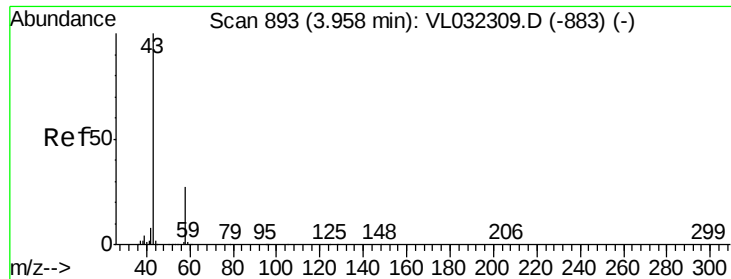
MMDadoda
7/30/2018 11:42:57 AM



#14
Bromoethene
Concen: 1.87 ppbv
RT: 3.85 min Scan# 858
Delta R.T. 0.00 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Tgt Ion	108	Resp	151229
Ion Ratio	100	Lower	Upper
106	105.2	86.0	129.0
79	17.2	12.8	19.2





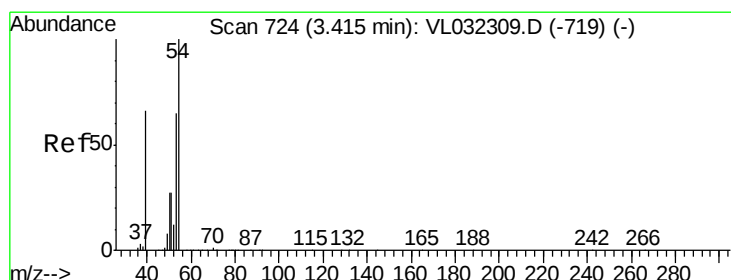
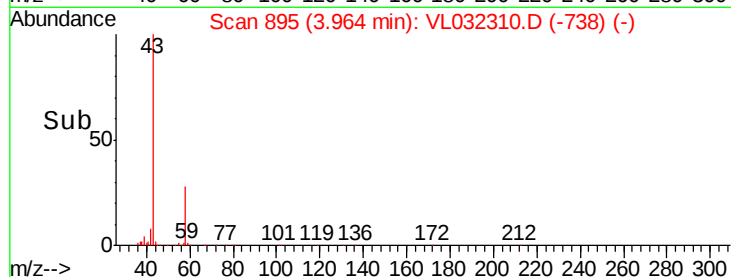
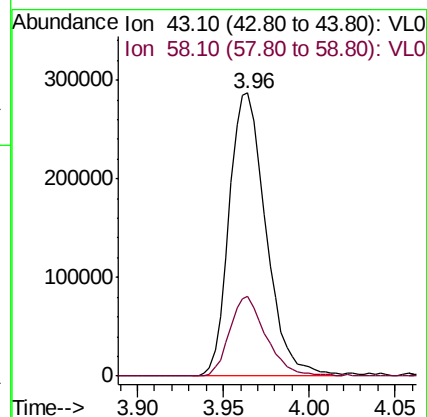
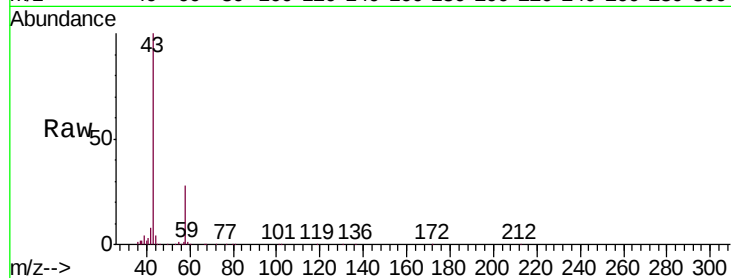
#15
Acetone
Concen: 1.94 ppbv
RT: 3.96 min Scan# 895
Delta R.T. 0.01 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	43	Resp	424782
Ion	Ratio	Lower	Upper
43	100		
58	28.2	22.5	33.7

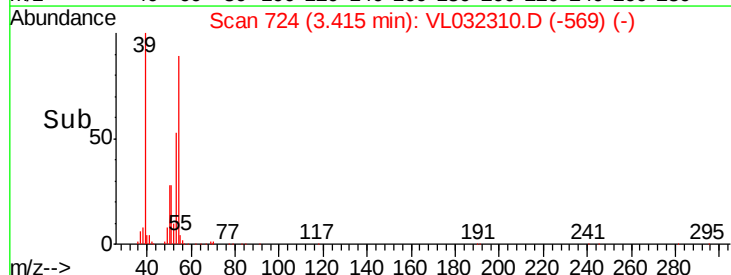
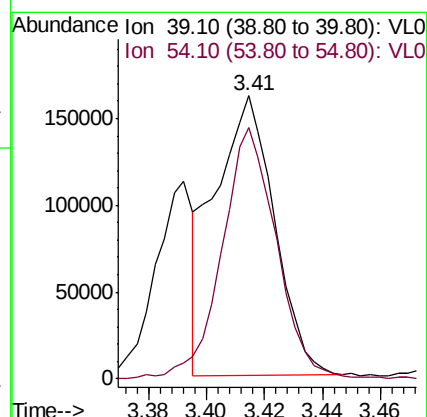
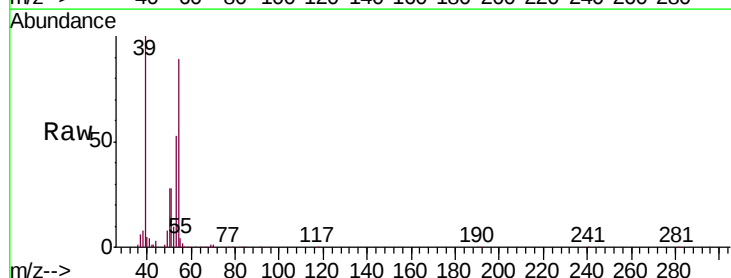
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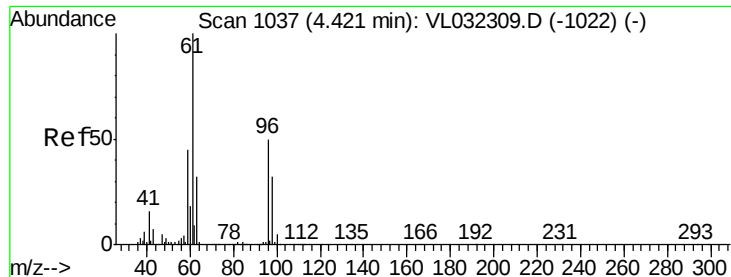
MMDadoda
7/30/2018 11:42:57 AM



#16
1,3-Butadiene
Concen: 2.05 ppbv
RT: 3.41 min Scan# 724
Delta R.T. -0.00 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Tgt Ion	39	Resp	229857
Ion	Ratio	Lower	Upper
39	100		
54	82.7	74.3	111.5





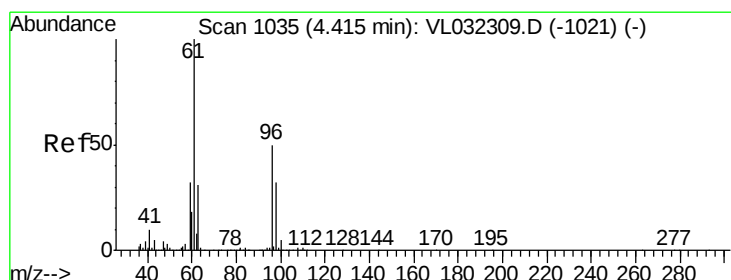
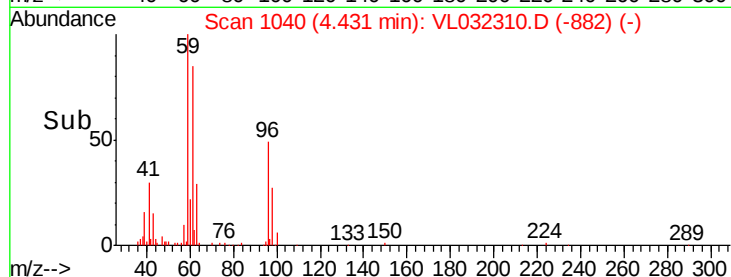
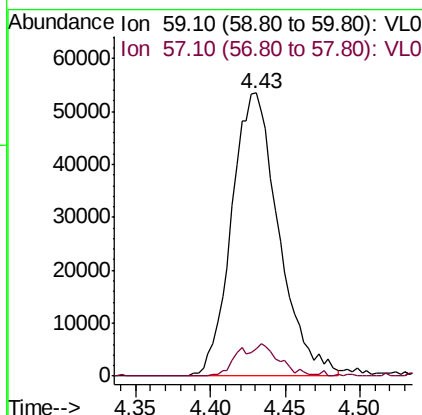
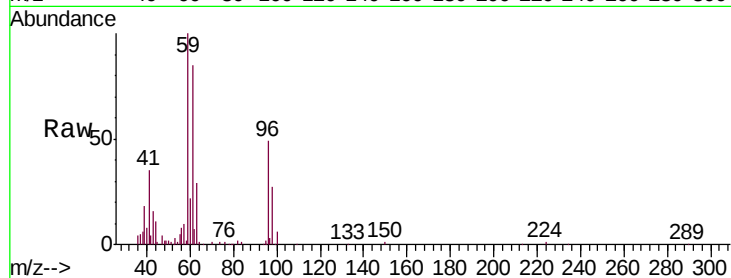
#17
tert-Butyl alcohol
Concen: 1.66 ppbv
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 59 Resp: 117254
Ion Ratio Lower Upper
59 100
57 10.2 8.0 12.0

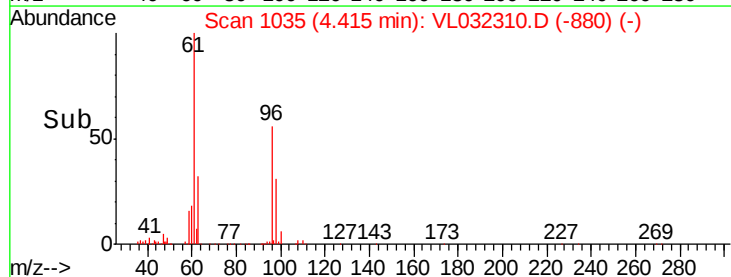
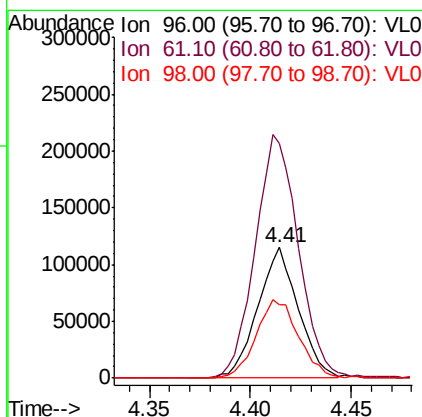
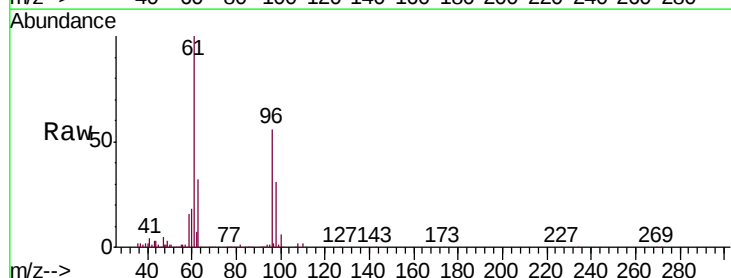
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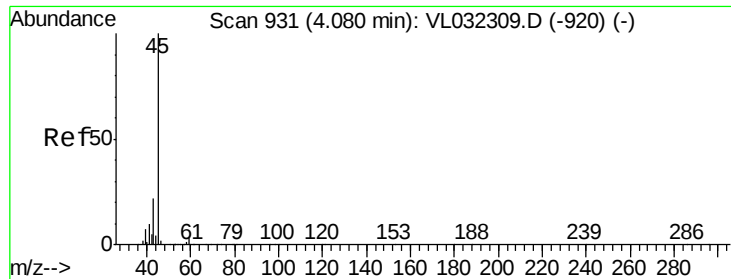
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#18
1,1-Dichloroethene
Concen: 1.89 ppbv
RT: 4.41 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Tgt Ion: 96 Resp: 159852
Ion Ratio Lower Upper
96 100
61 179.9 159.0 238.4
98 56.5 51.1 76.7





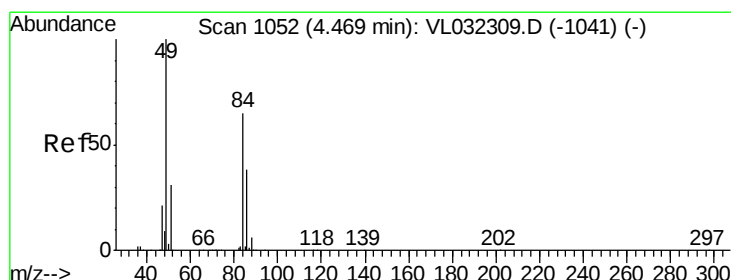
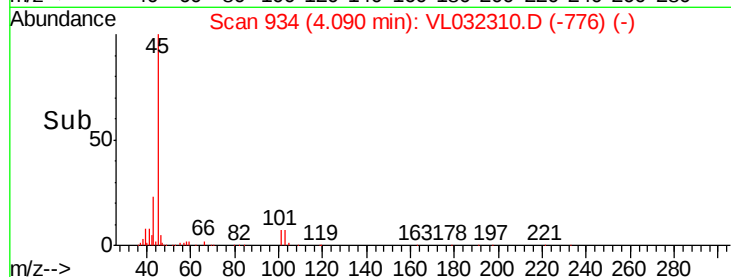
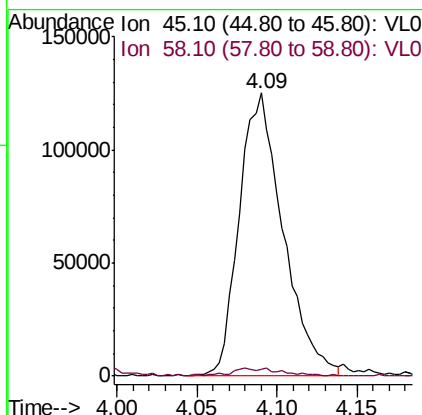
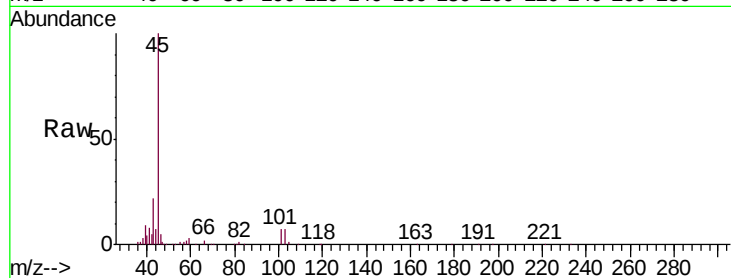
#19
Isopropyl Alcohol
Concen: 1.54 ppbv
RT: 4.09 min Scan# 934
Delta R.T. 0.01 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
45	100		
58	3.7	1.5	2.3#

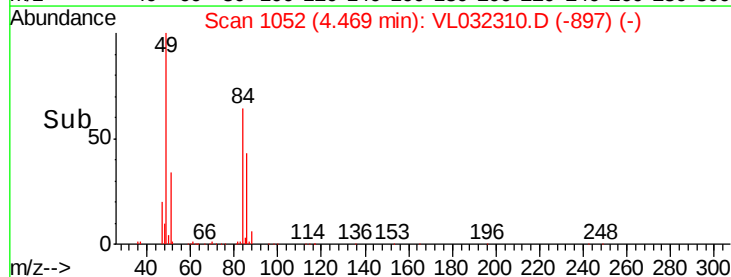
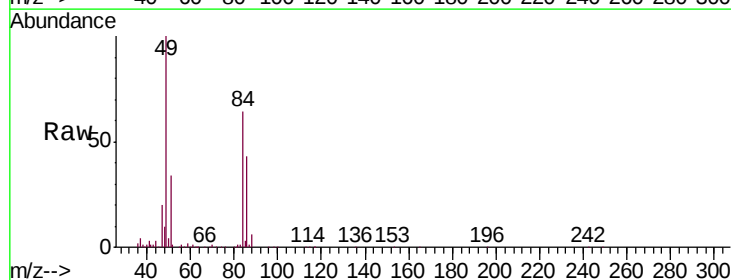
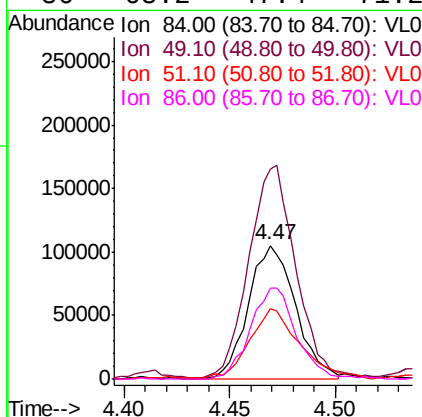
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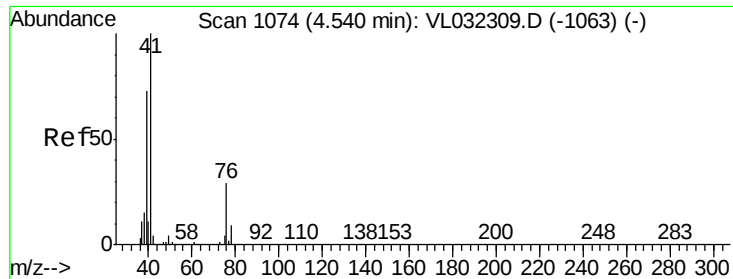
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#20
Methylene Chloride
Concen: 1.89 ppbv
RT: 4.47 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	156.3	123.4	185.0
51	52.5	38.2	57.2
86	68.2	47.4	71.2





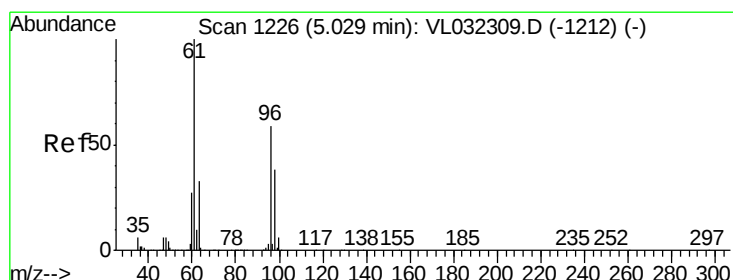
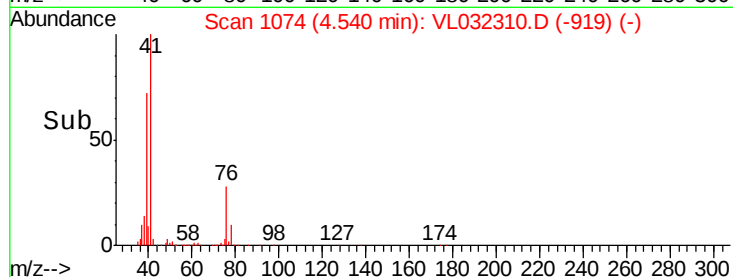
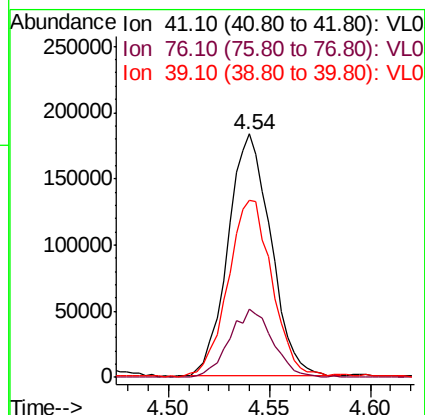
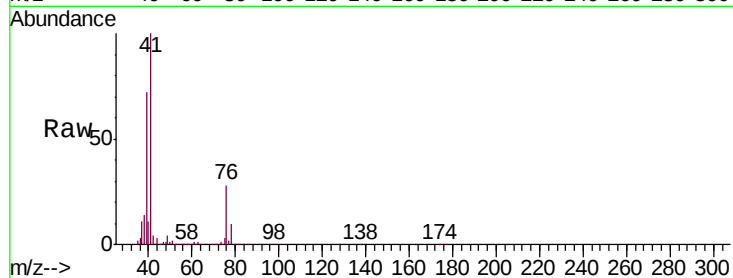
#21
Allvl Chloride
Concen: 1.84 ppbv
RT: 4.54 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.8	23.1	34.7
39	75.0	58.2	87.2

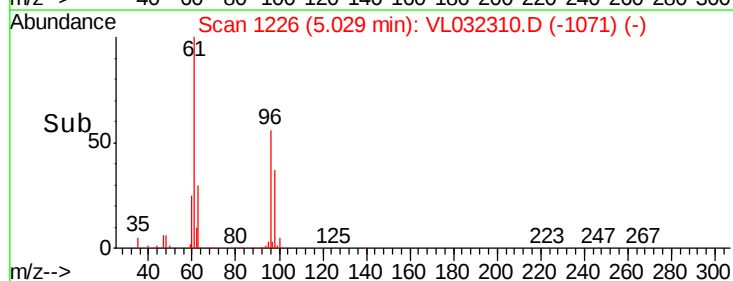
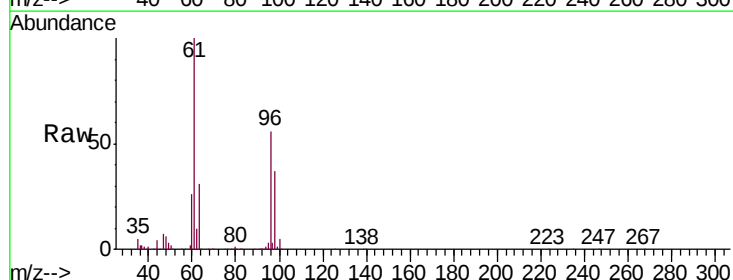
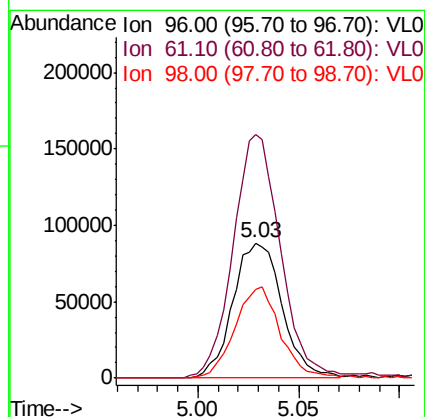
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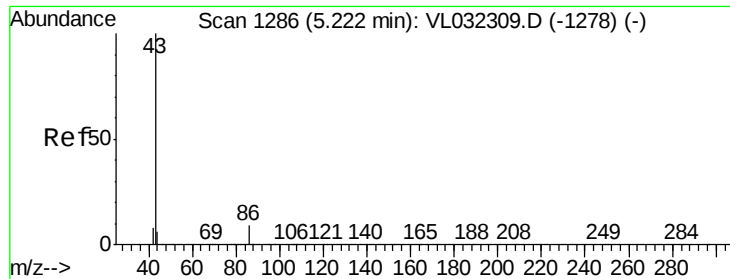
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#22
trans-1,2-Dichloroethene
Concen: 1.73 ppbv
RT: 5.03 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.6	136.5	204.7
98	65.9	51.3	76.9





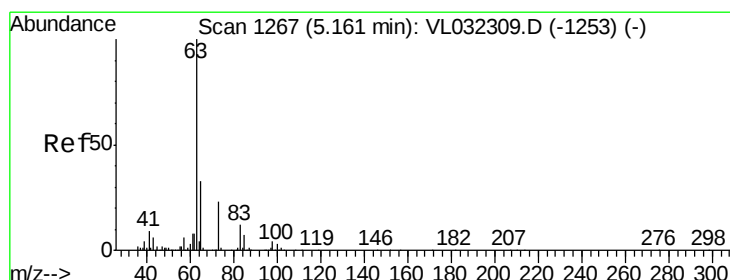
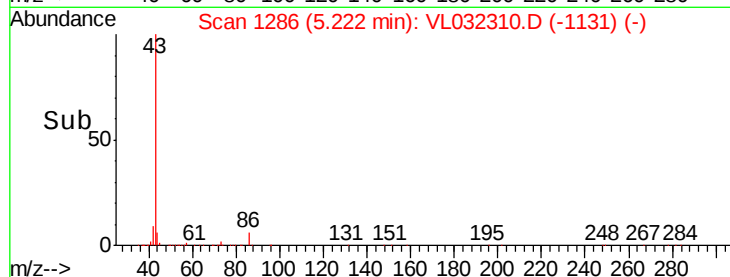
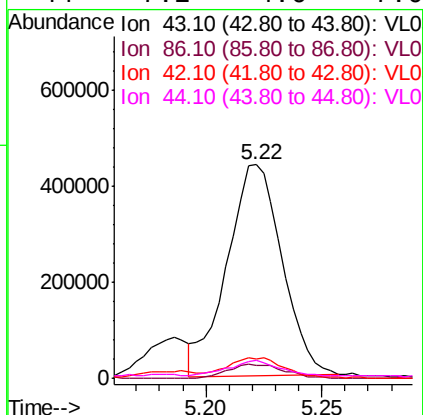
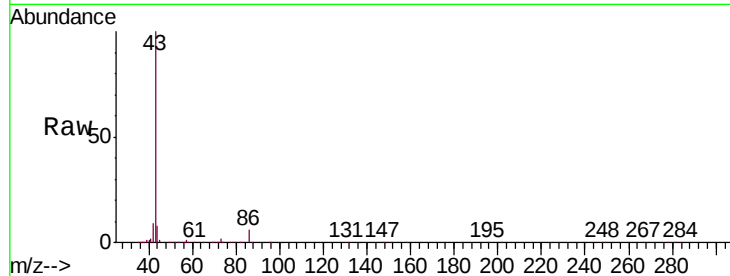
#23
 Vinyl Acetate
 Concen: 1.83 ppbv
 RT: 5.22 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VL032310.D
 Acq: 27 Jul 2018 1:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	6.4	6.3	9.5	
42	9.0	7.0	10.4	
44	7.2	4.6	7.0#	

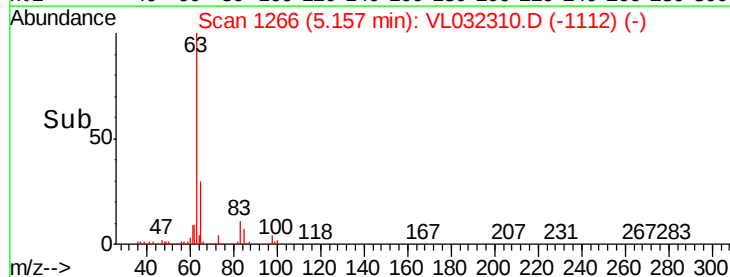
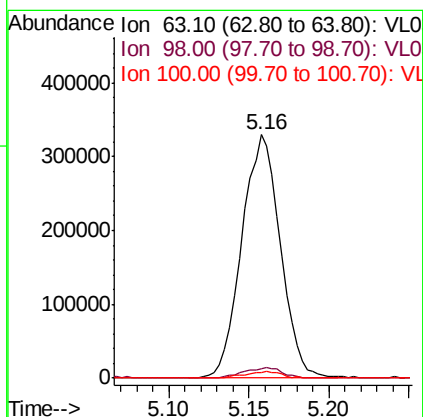
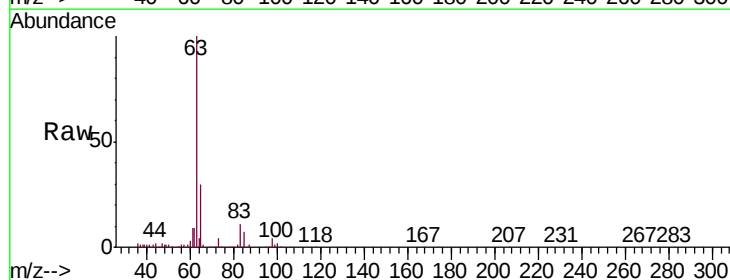
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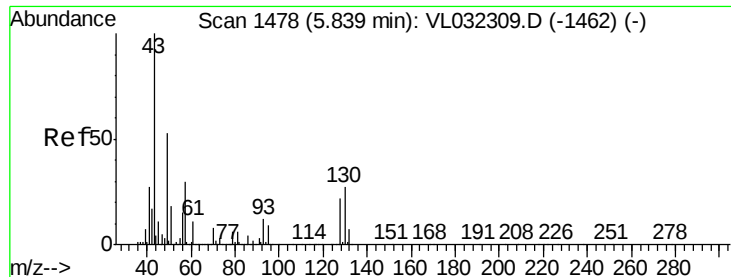
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#24
 1,1-Dichloroethane
 Concen: 1.88 ppbv
 RT: 5.16 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VL032310.D
 Acq: 27 Jul 2018 1:17

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	4.1	2.1	6.5	
100	2.2	1.3	3.8	





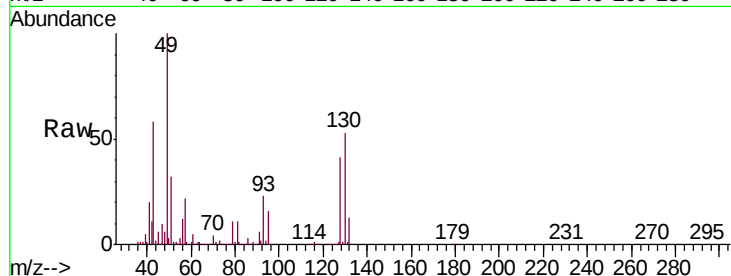
#25
Ethyl Acetate
Concen: 1.95 ppbv
RT: 5.84 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

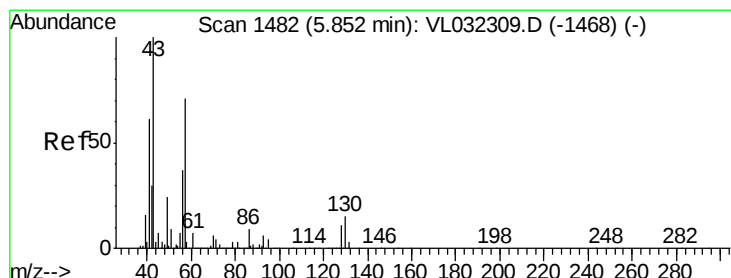
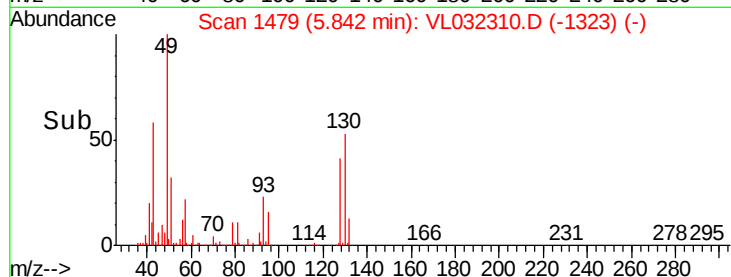
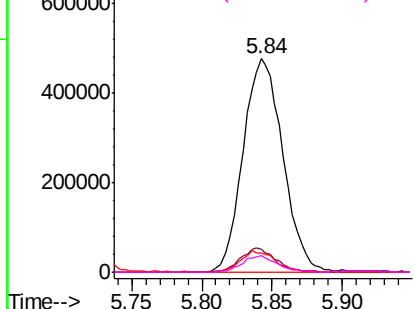
Tot Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	9.1	7.4	11.0
70	6.8	5.6	8.4

Manual Integrations
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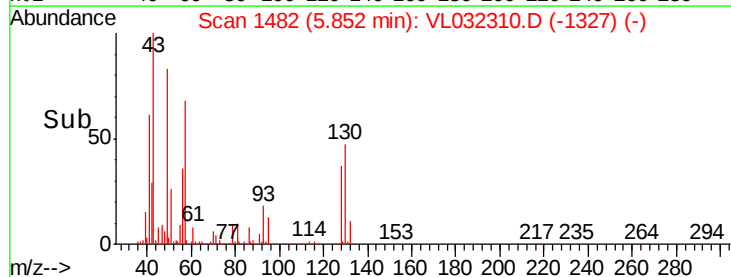
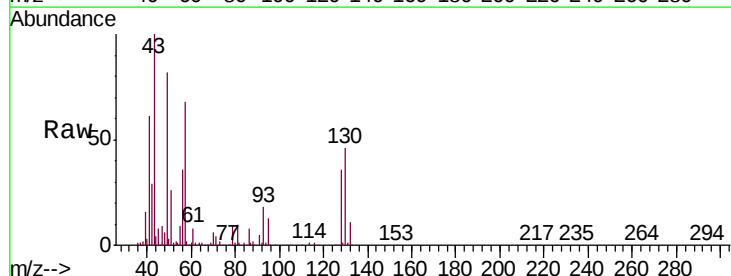
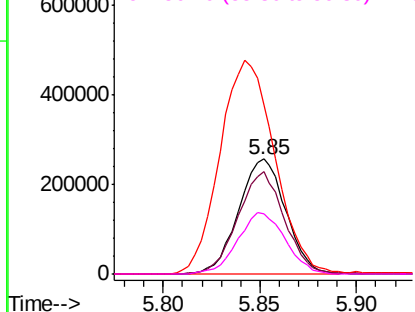
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

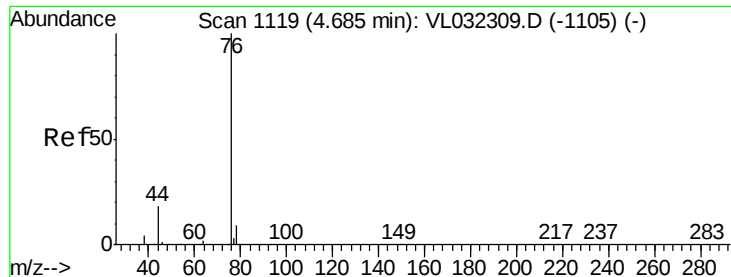


#26
Hexane
Concen: 1.95 ppbv
RT: 5.85 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Tgt Ion	Ratio	Lower	Upper
57	100		
41	88.7	68.1	102.1
43	219.1	177.4	266.2
56	54.5	41.9	62.9

Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 1.91 ppbv

RT: 4.68 min Scan# 1119

Delta R.T. -0.00 min

Lab File: VL032310.D

Acq: 27 Jul 2018 1:17

Instrument :

MSVOA_L

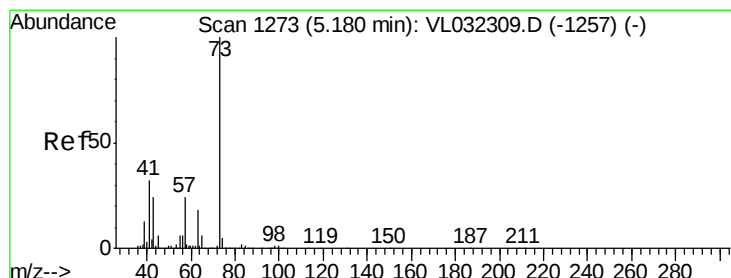
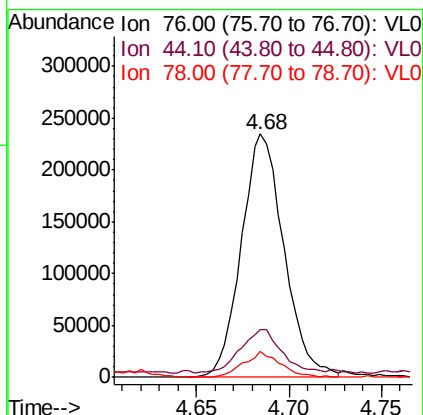
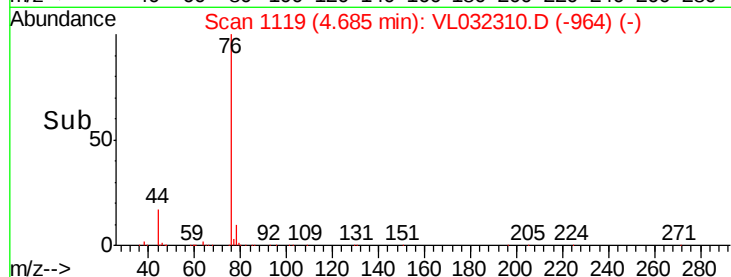
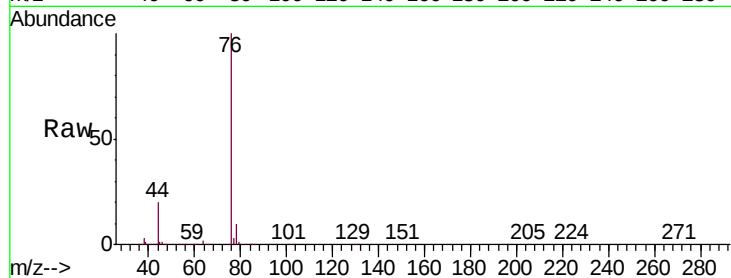
ClientSampleId :

VSTDIC002

Tot Ion:	76	Resp:	376080
Ion Ratio	Lower	Upper	
76	100		
44	18.8	14.0	21.0
78	9.6	7.5	11.3

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#28

Methyl tert-Butyl Ether

Concen: 1.81 ppbv

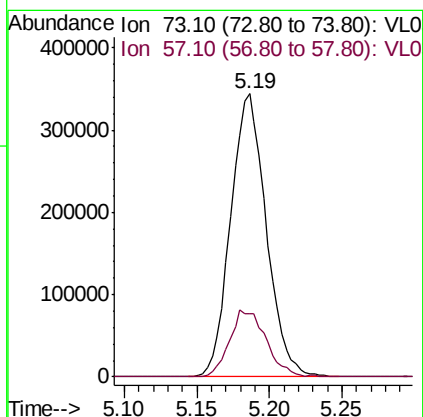
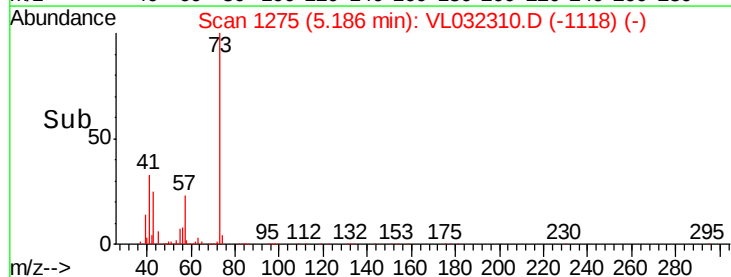
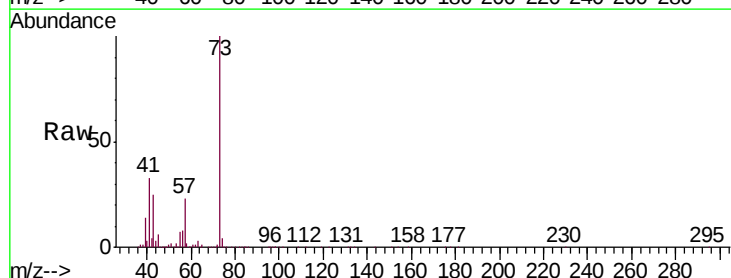
RT: 5.19 min Scan# 1275

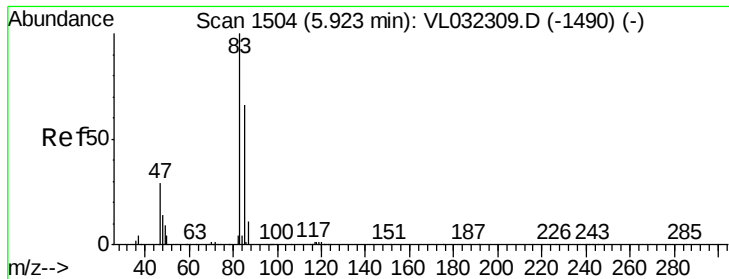
Delta R.T. 0.01 min

Lab File: VL032310.D

Acq: 27 Jul 2018 1:17

Tgt Ion:	73	Resp:	587009
Ion Ratio	Lower	Upper	
73	100		
57	24.3	19.4	29.0





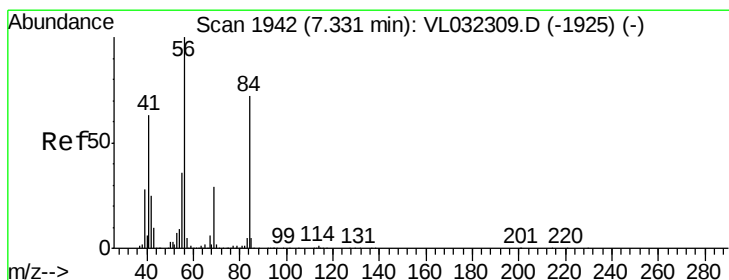
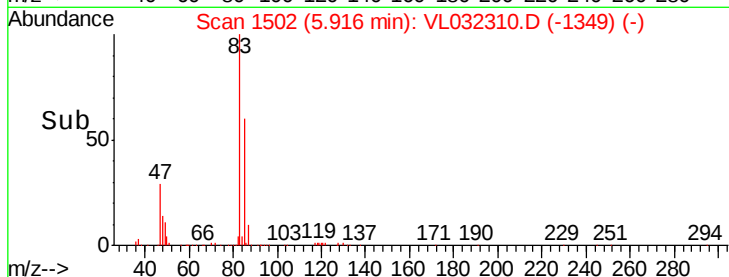
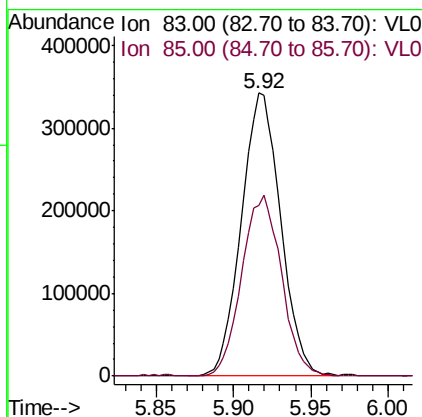
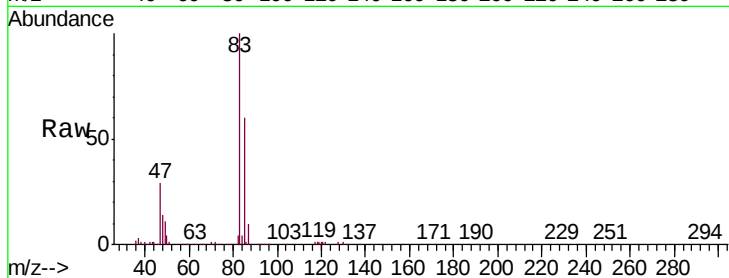
#29
Chloroform
Concen: 1.87 ppbv
RT: 5.92 min Scan# 1502
Delta R.T. -0.01 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	607601
Ion Ratio	100	Lower	Upper
83	100		
85	60.0	52.9	79.3

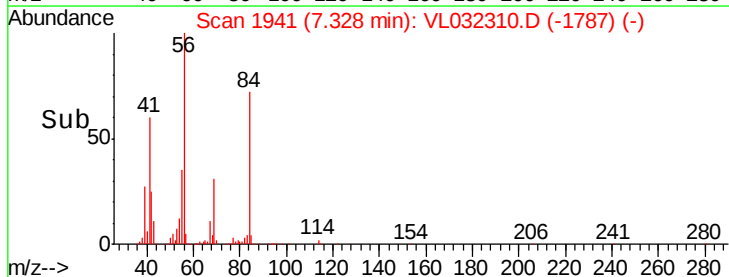
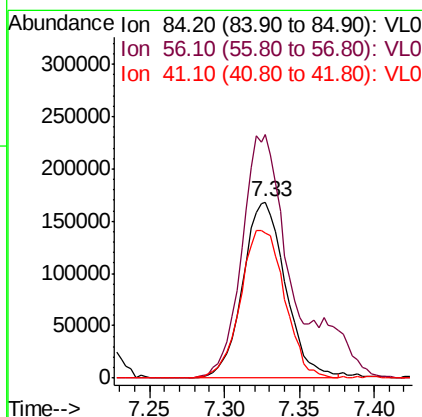
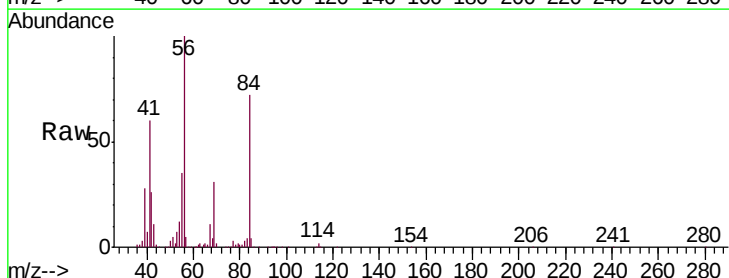
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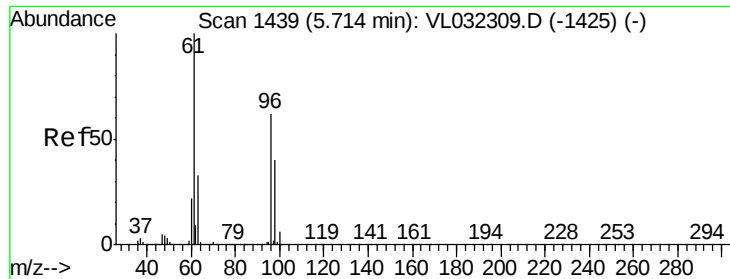
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#30
Cyclohexane
Concen: 1.81 ppbv
RT: 7.33 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Tgt Ion	84	Resp	333834
Ion Ratio	100	Lower	Upper
84	100		
56	165.9	116.8	175.2
41	87.1	70.0	105.0





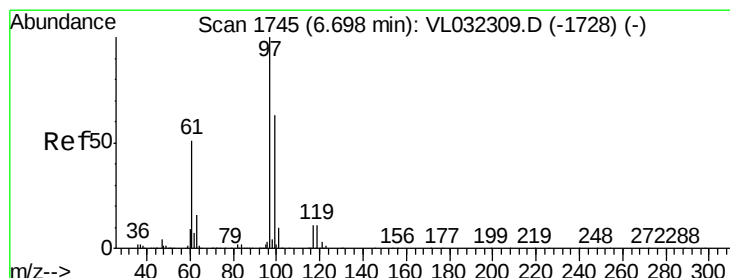
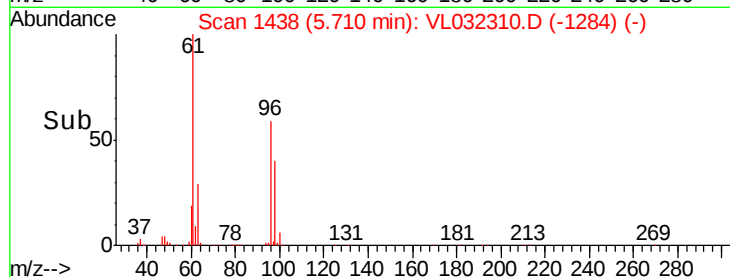
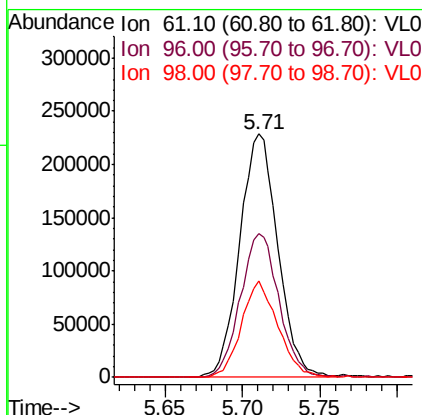
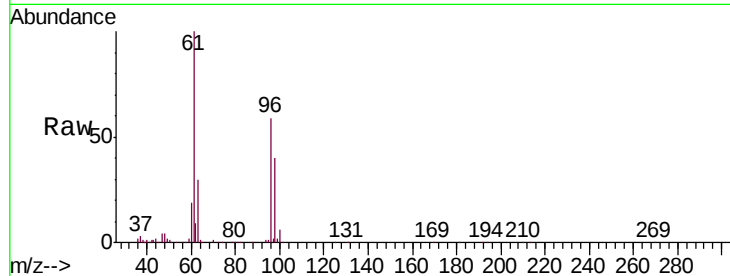
#31
 cis-1,2-Dichloroethene
 Concen: 1.84 ppbv
 RT: 5.71 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: VL032310.D
 Acq: 27 Jul 2018 1:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
61	100		
96	58.8	49.8	74.6
98	39.8	31.8	47.6

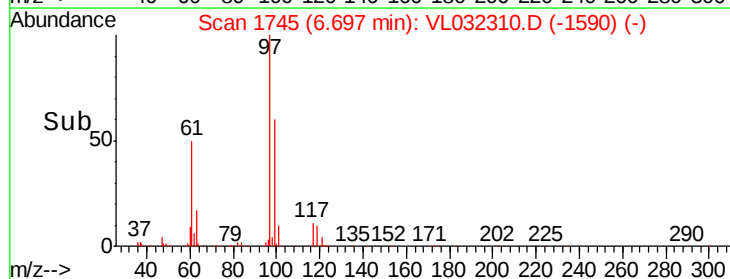
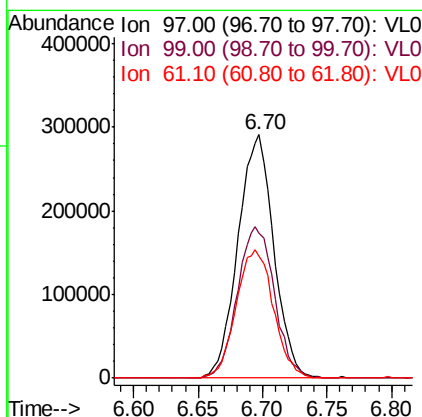
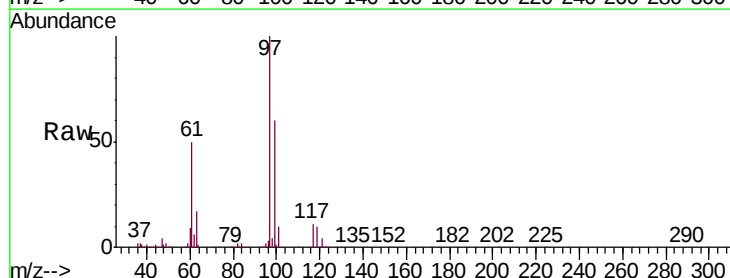
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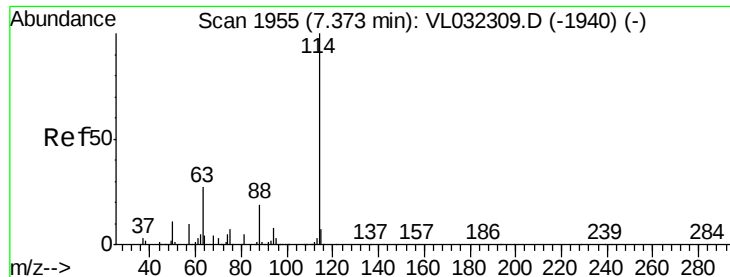
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#32
 1,1,1-Trichloroethane
 Concen: 1.72 ppbv
 RT: 6.70 min Scan# 1745
 Delta R.T. -0.00 min
 Lab File: VL032310.D
 Acq: 27 Jul 2018 1:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.9	76.3
61	55.0	41.8	62.6





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.37 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VL032310.D

Acq: 27 Jul 2018 1:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:114 Resp: 4318060

Ion Ratio Lower Upper

114 100

63 28.4 22.4 33.6

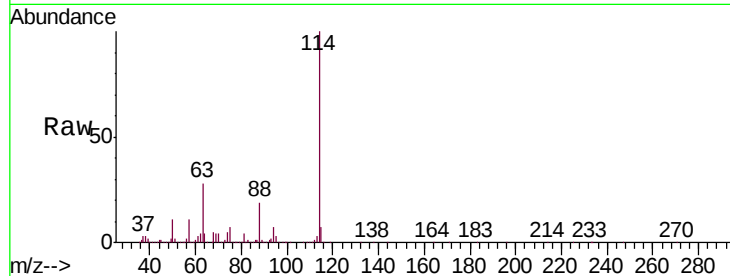
88 19.1 15.3 22.9

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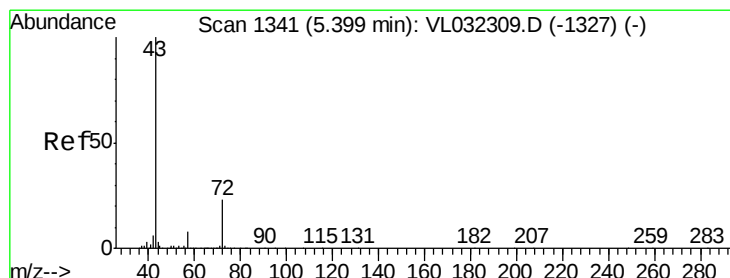
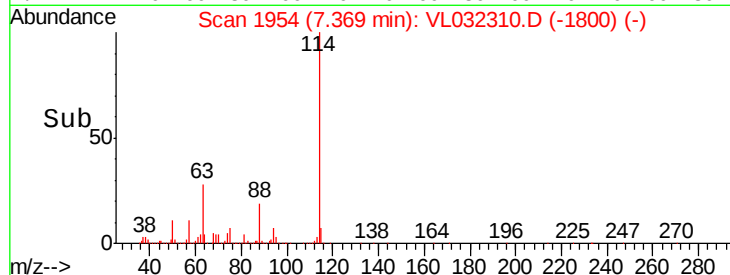
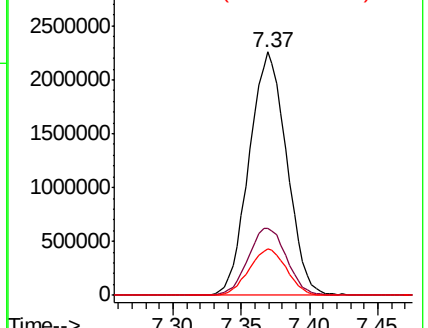
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 2.06 ppbv

RT: 5.40 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VL032310.D

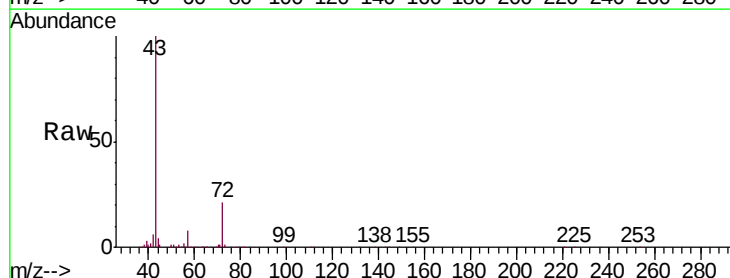
Acq: 27 Jul 2018 1:17

Tgt Ion: 43 Resp: 614157

Ion Ratio Lower Upper

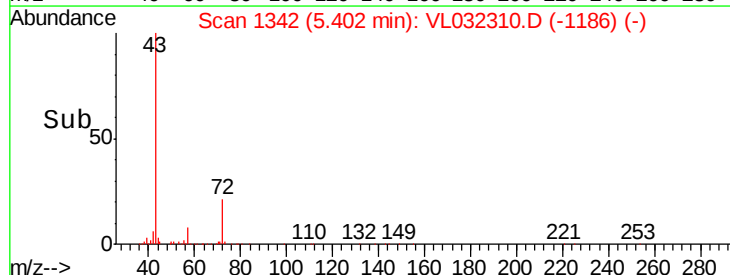
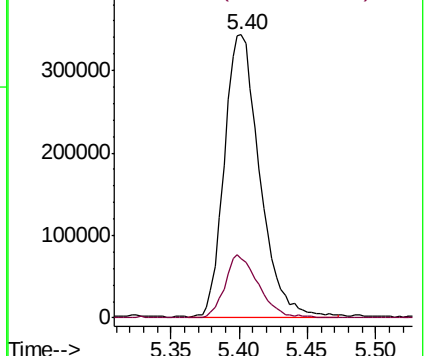
43 100

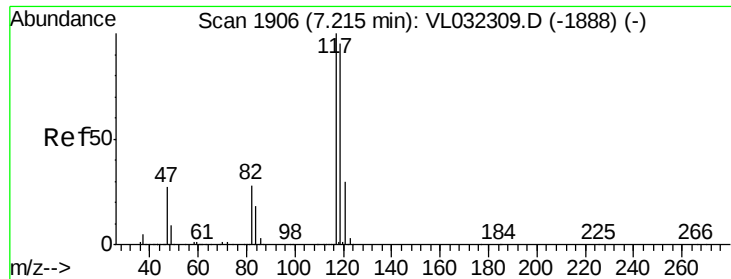
72 21.5 17.4 26.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 1.88 ppbv

RT: 7.21 min Scan# 1905

Delta R.T. -0.00 min

Lab File: VL032310.D

Acq: 27 Jul 2018 1:17

Instrument :

MSVOA_L

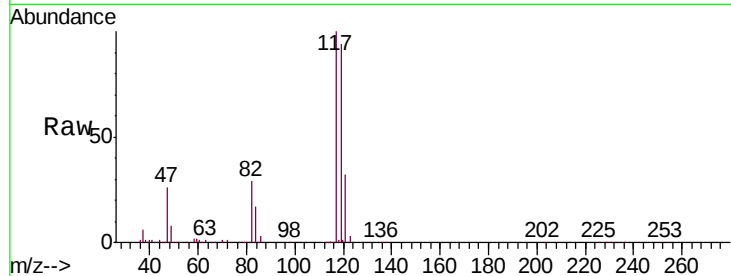
ClientSampleId :

VSTDIC002

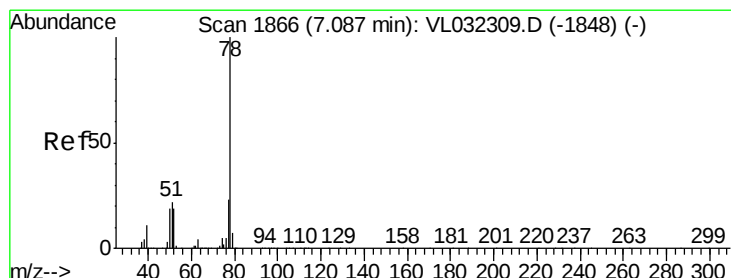
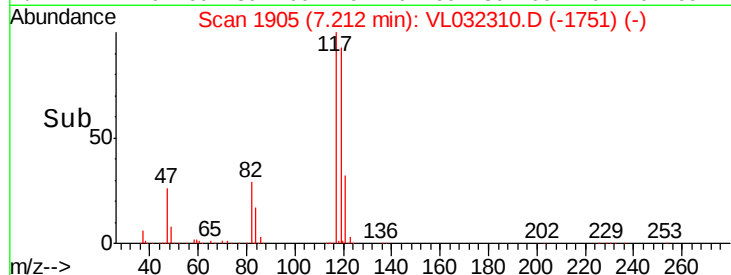
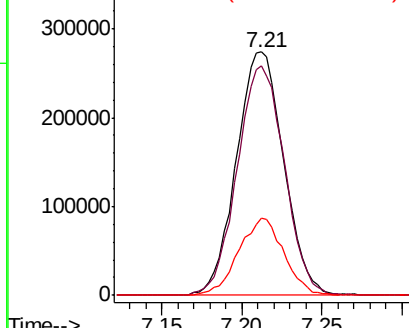
Tot Ion:	117	Resp:	553933
Ion Ratio	Lower	Upper	
117	100		
119	94.1	76.1	114.1
121	32.1	24.4	36.6

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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: 1.96 ppbv

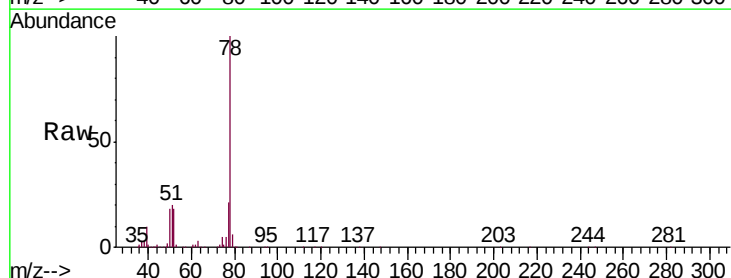
RT: 7.08 min Scan# 1865

Delta R.T. -0.00 min

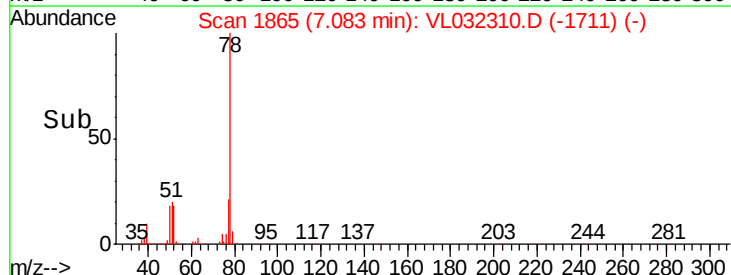
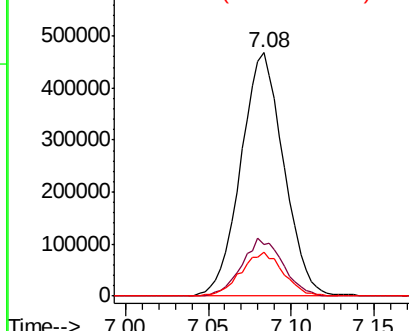
Lab File: VL032310.D

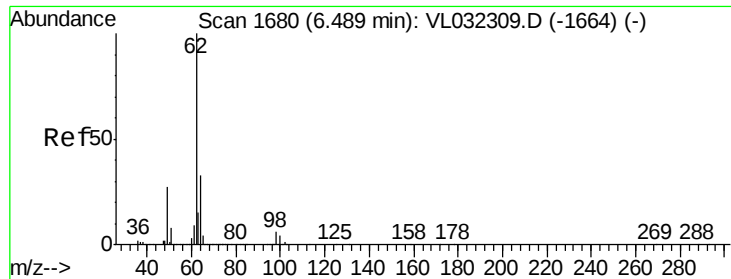
Acq: 27 Jul 2018 1:17

Tgt Ion:	78	Resp:	837993
Ion Ratio	Lower	Upper	
78	100		
77	21.1	18.4	27.6
50	18.0	15.3	22.9



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





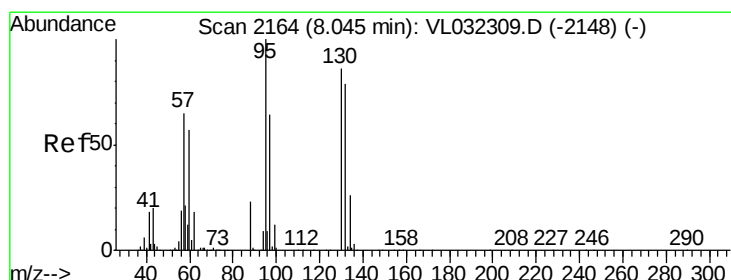
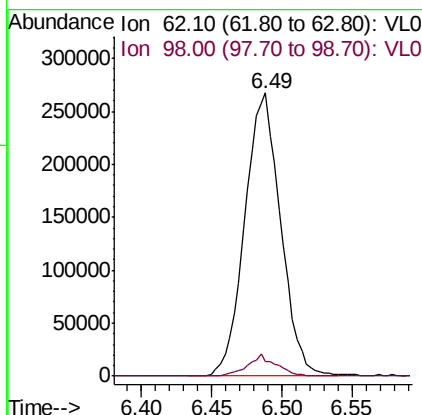
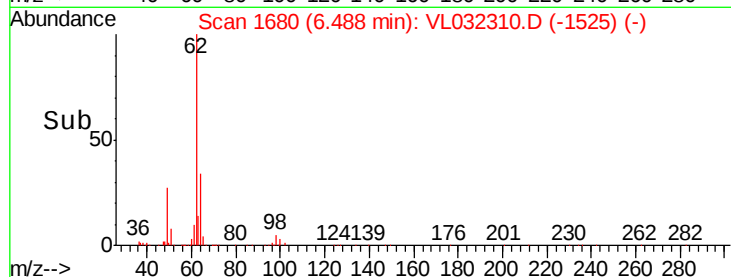
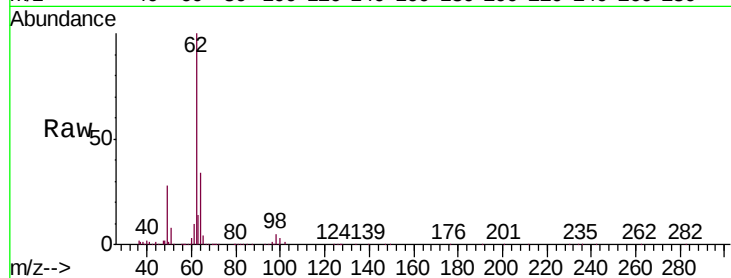
#37
 1,2-Dichloroethane
 Concen: 1.92 ppbv
 RT: 6.49 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VL032310.D
 Acq: 27 Jul 2018 1:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.2	5.1	7.7

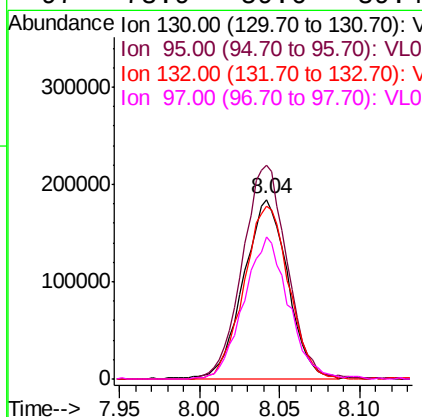
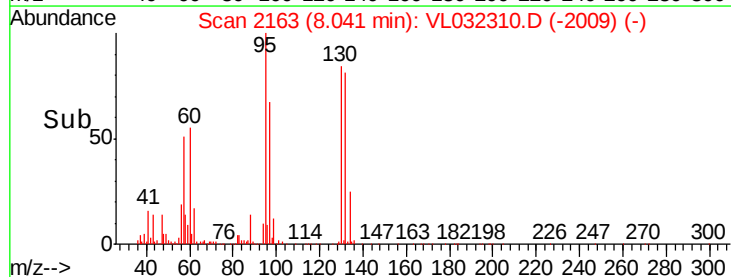
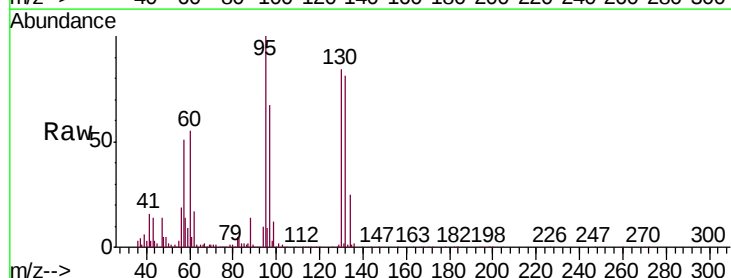
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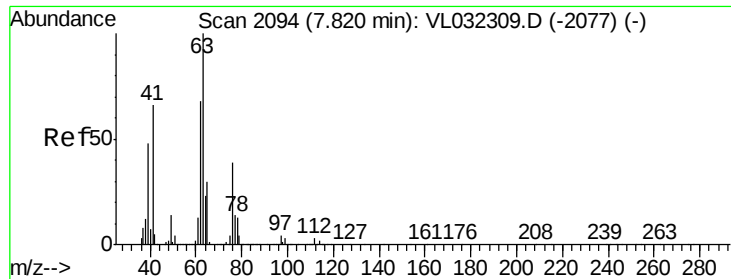
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#38
 Trichloroethene
 Concen: 2.42 ppbv
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VL032310.D
 Acq: 27 Jul 2018 1:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	118.8	92.9	139.3
132	96.5	73.0	109.4
97	78.9	59.6	89.4





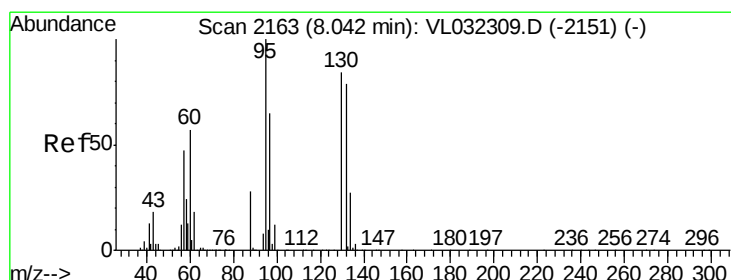
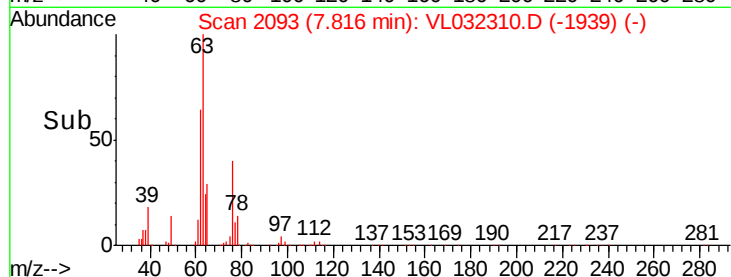
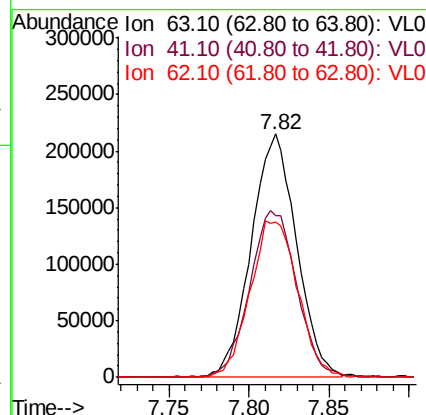
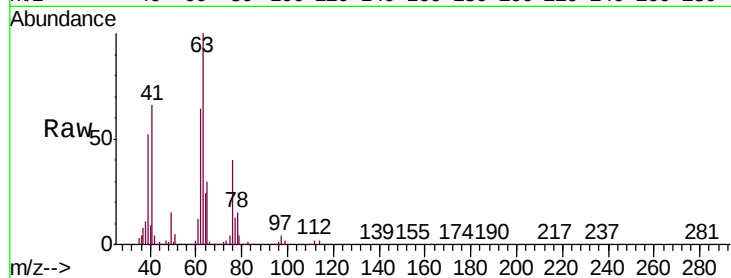
#39
 1,2-Dichloropropane
 Concen: 2.37 ppbv
 RT: 7.82 min Scan# 2093
 Delta R.T. -0.00 min
 Lab File: VL032310.D
 Acq: 27 Jul 2018 1:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
63	100		
41	65.7	52.5	78.7
62	63.9	54.6	81.8

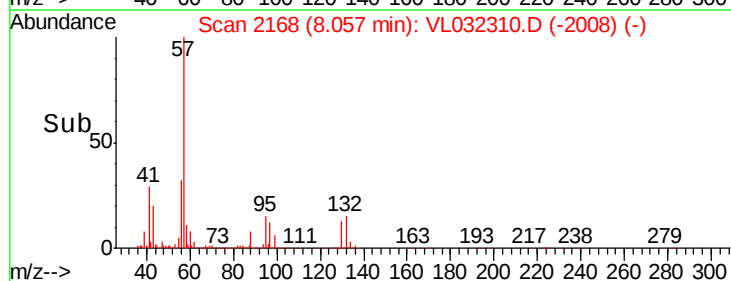
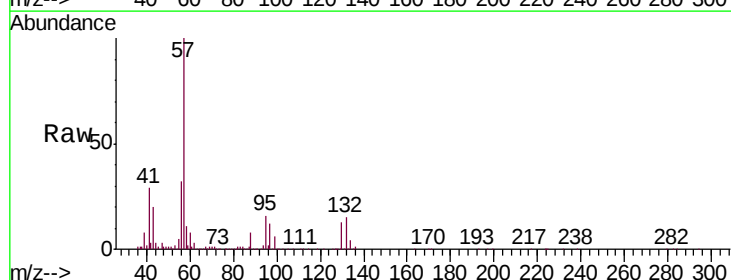
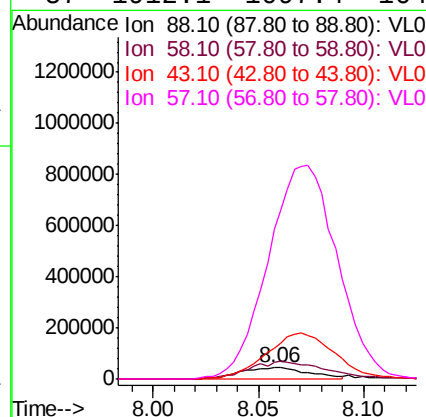
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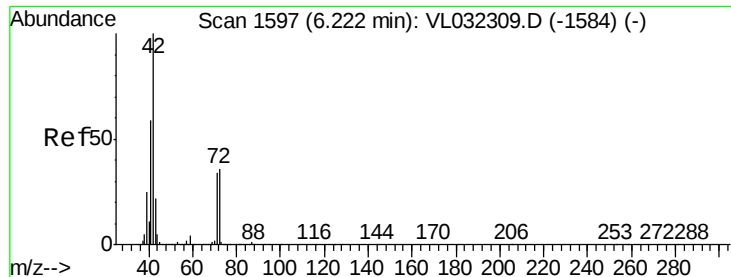
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#40
 1,4-Dioxane
 Concen: 1.93 ppbv
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.02 min
 Lab File: VL032310.D
 Acq: 27 Jul 2018 1:17

Tgt Ion	Ratio	Lower	Upper
88	100		
58	185.5	120.5	180.7#
43	408.1	246.2	369.2#
57	1912.1	1097.4	1646.2#





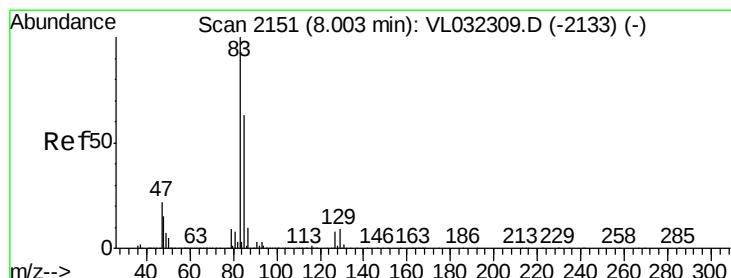
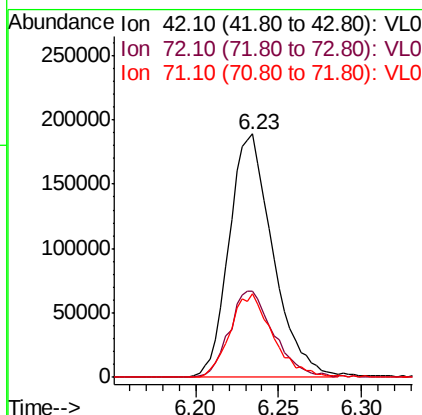
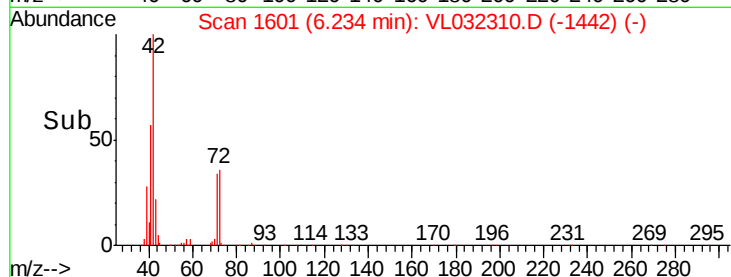
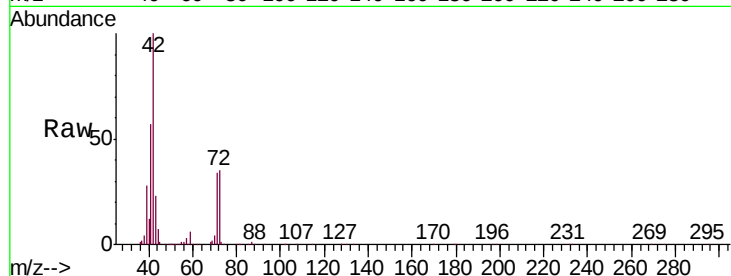
#41
Tetrahydrofuran
Concen: 2.02 ppbv
RT: 6.23 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	28.6	42.8
71	33.9	27.8	41.6

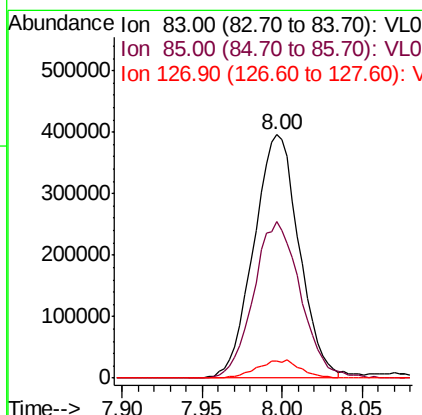
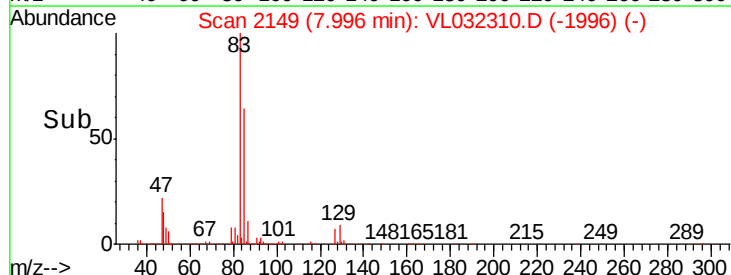
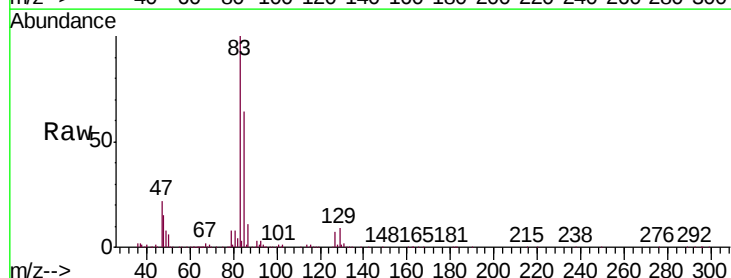
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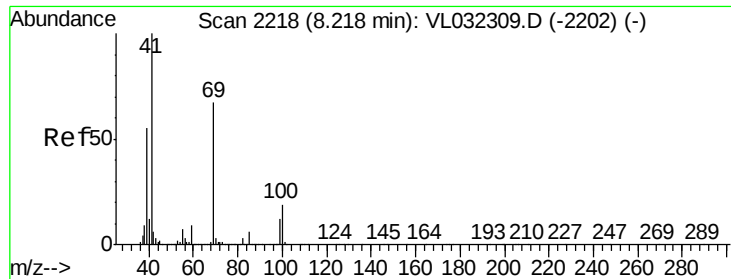
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#42
Bromodichloromethane
Concen: 2.35 ppbv
RT: 8.00 min Scan# 2149
Delta R.T. -0.01 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.7	76.1
127	7.0	6.0	9.0





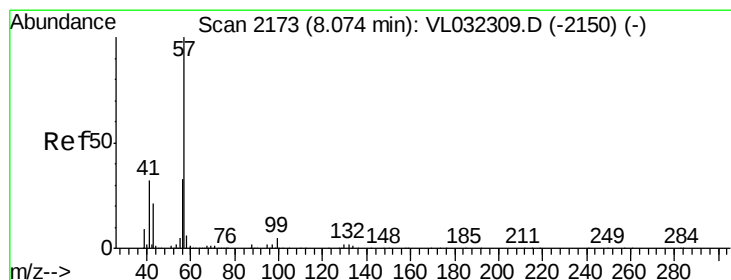
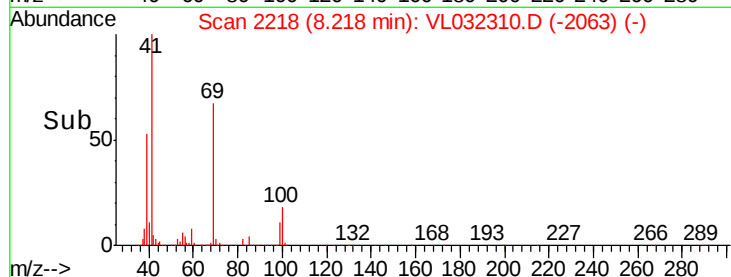
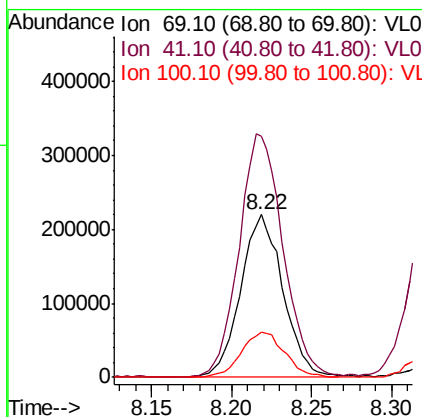
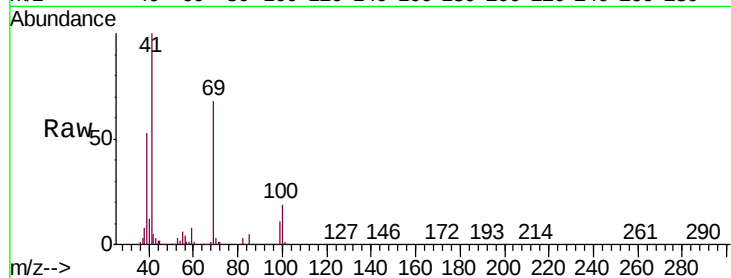
#43
Methvl Methacrylate
Concen: 2.25 ppbv
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
69	100		
41	155.7	120.6	180.8
100	28.9	23.2	34.8

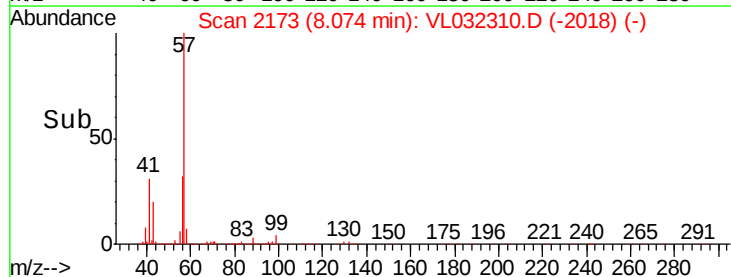
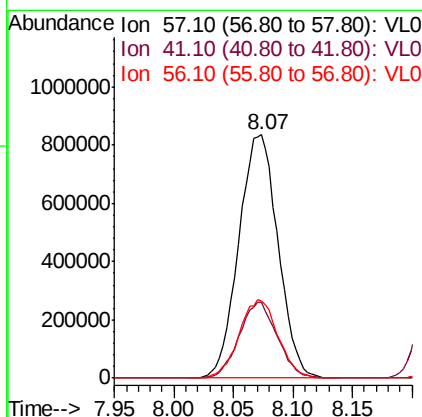
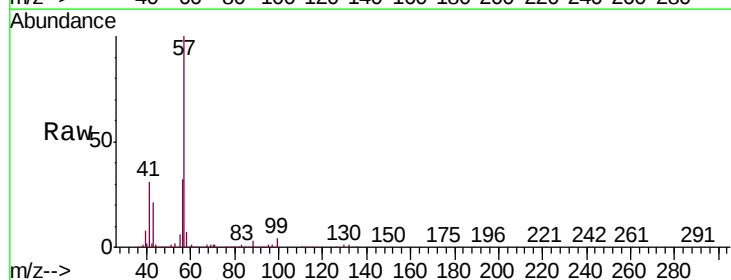
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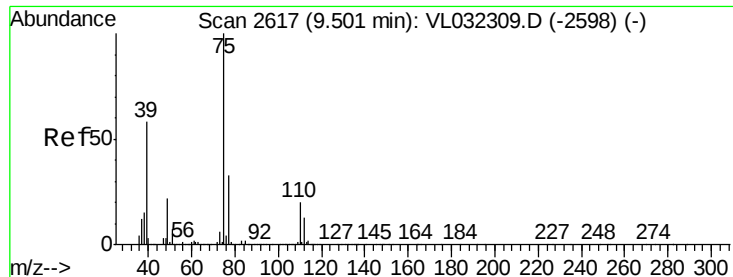
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 2.53 ppbv
RT: 8.07 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Tgt Ion	Ratio	Lower	Upper
57	100		
41	30.5	24.3	36.5
56	32.0	25.4	38.2





#45

t-1,3-Dichloropropene

Concen: 2.08 ppbv

RT: 9.50 min Scan# 2616

Delta R.T. -0.00 min

Lab File: VL032310.D

Acq: 27 Jul 2018 1:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 75 Resp: 441988

Ion Ratio Lower Upper

75 100

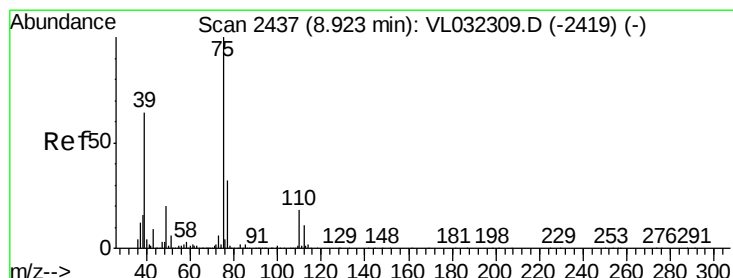
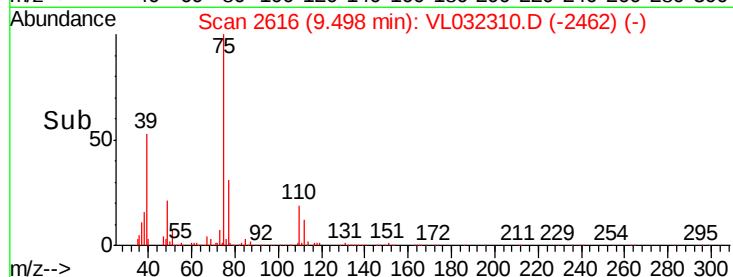
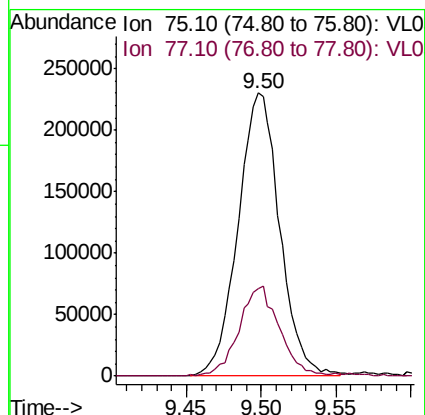
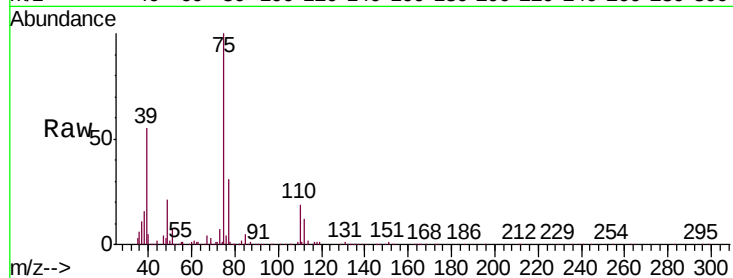
77 30.9 26.2 39.4

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#46

cis-1,3-Dichloropropene

Concen: 2.09 ppbv

RT: 8.92 min Scan# 2435

Delta R.T. -0.01 min

Lab File: VL032310.D

Acq: 27 Jul 2018 1:17

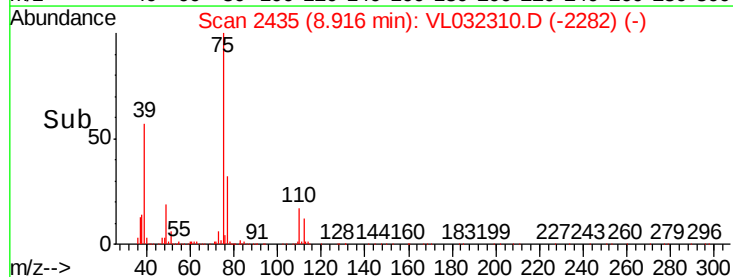
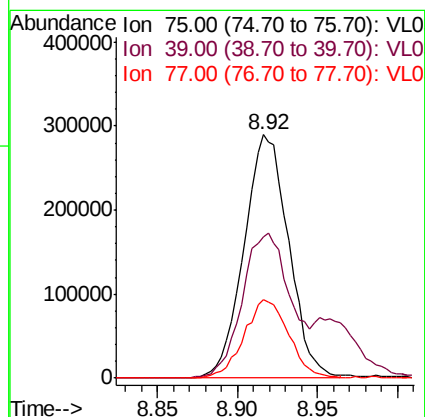
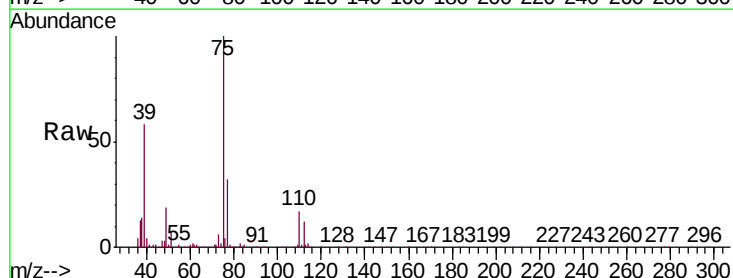
Tgt Ion: 75 Resp: 551598

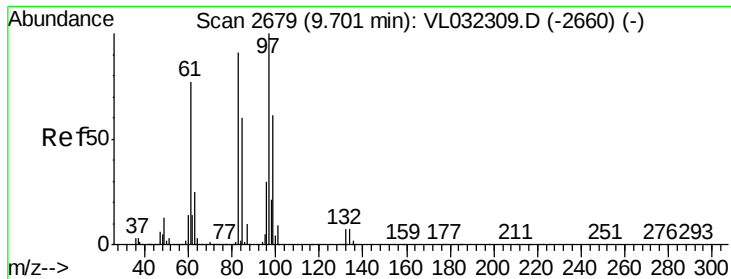
Ion Ratio Lower Upper

75 100

39 57.6 50.9 76.3

77 32.1 25.7 38.5





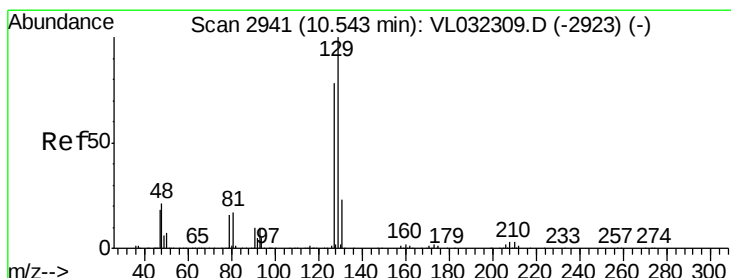
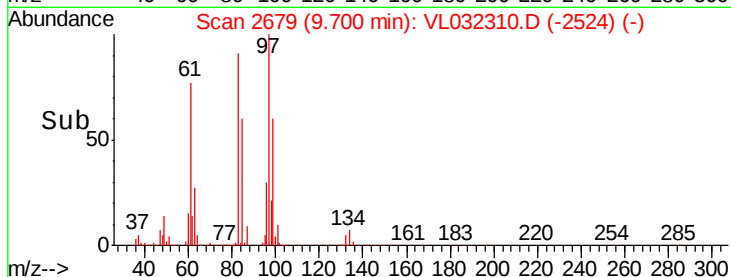
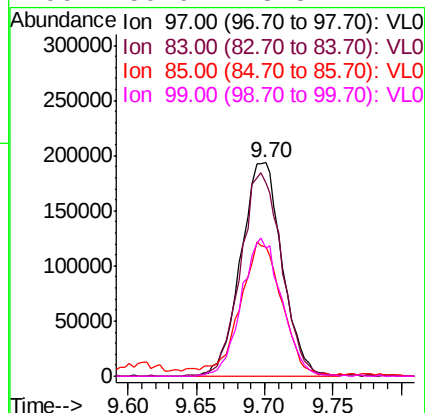
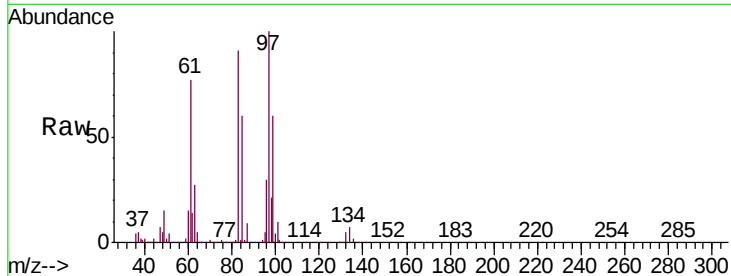
#47
 1,1,2-Trichloroethane
 Concen: 2.23 ppbv
 RT: 9.70 min Scan# 2679
 Delta R.T. -0.00 min
 Lab File: VL032310.D
 Acq: 27 Jul 2018 1:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:	97	Resp:	408597
Ion Ratio	Lower	Upper	
97	100		
83	90.1	73.0	109.6
85	59.3	48.1	72.1
99	59.9	48.5	72.7

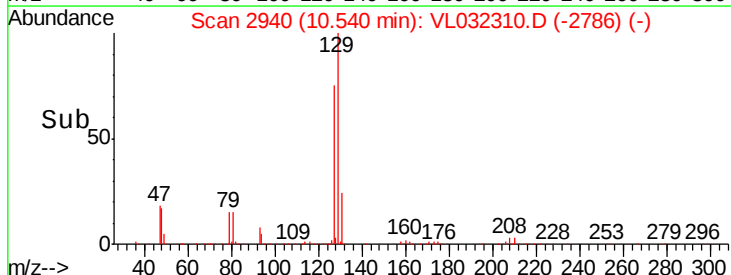
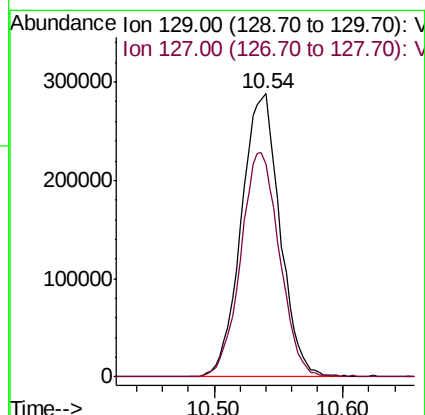
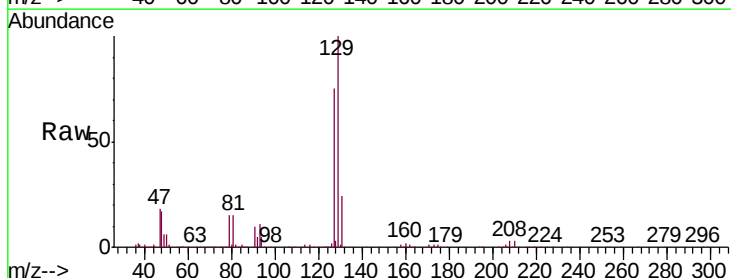
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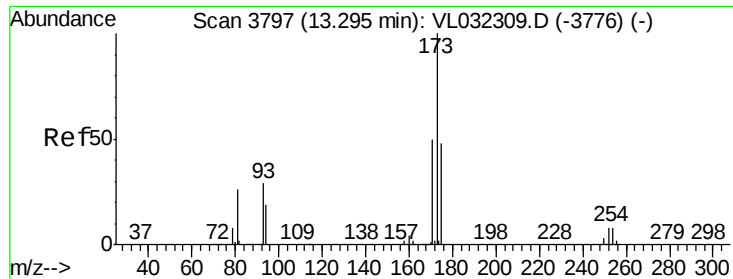
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#48
 Dibromochloromethane
 Concen: 2.23 ppbv
 RT: 10.54 min Scan# 2940
 Delta R.T. -0.00 min
 Lab File: VL032310.D
 Acq: 27 Jul 2018 1:17

Tgt Ion:	129	Resp:	600909
Ion Ratio	Lower	Upper	
129	100		
127	79.7	39.5	118.3





#49

Bromoform

Concen: 2.15 ppbv

RT: 13.29 min Scan# 3795

Delta R.T. -0.01 min

Lab File: VL032310.D

Acq: 27 Jul 2018 1:17

Instrument :

MSVOA_L

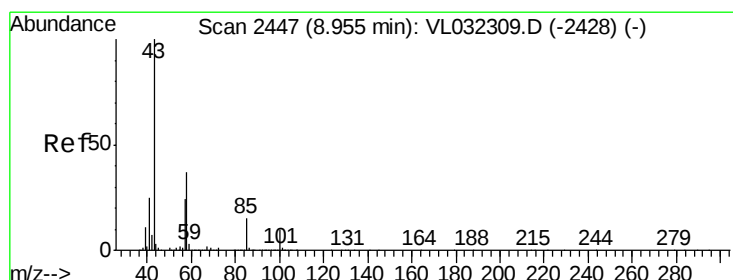
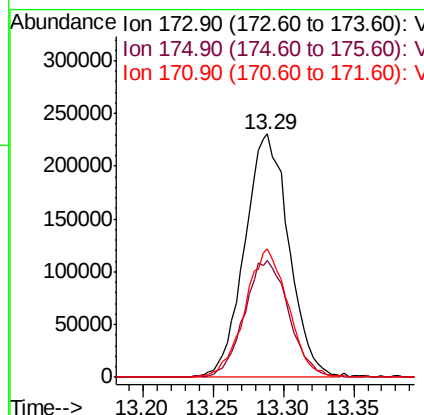
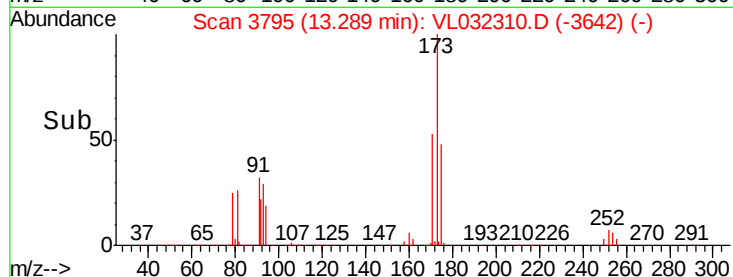
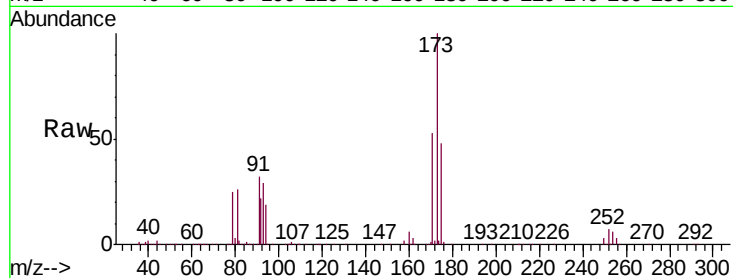
ClientSampleId :

VSTDIC002

Tot Ion:	173	Resp:	504643
Ion Ratio	Lower	Upper	
173	100		
175	48.6	38.9	58.3
171	51.9	42.2	63.2

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#50

4-Methyl-2-Pentanone

Concen: 2.25 ppbv

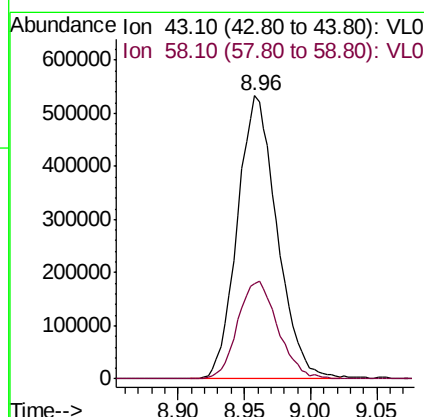
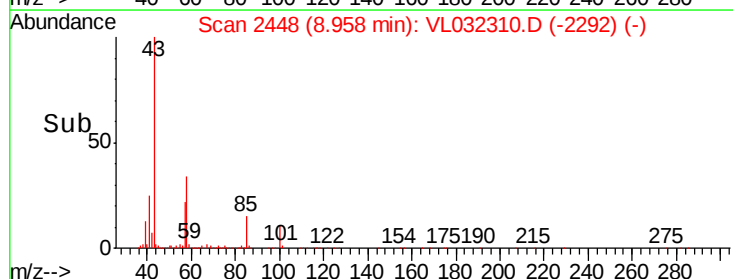
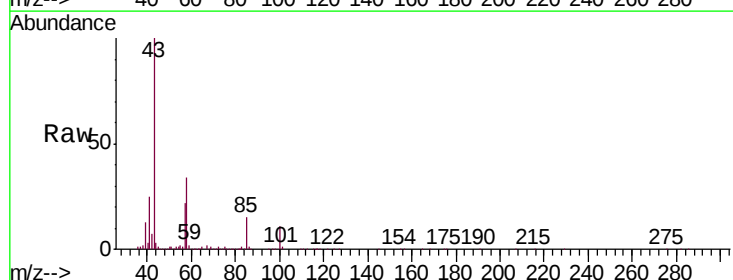
RT: 8.96 min Scan# 2448

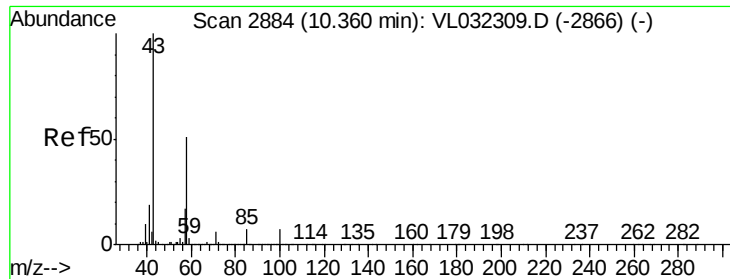
Delta R.T. 0.00 min

Lab File: VL032310.D

Acq: 27 Jul 2018 1:17

Tgt Ion:	43	Resp:	1109117
Ion Ratio	Lower	Upper	
43	100		
58	35.1	28.9	43.3





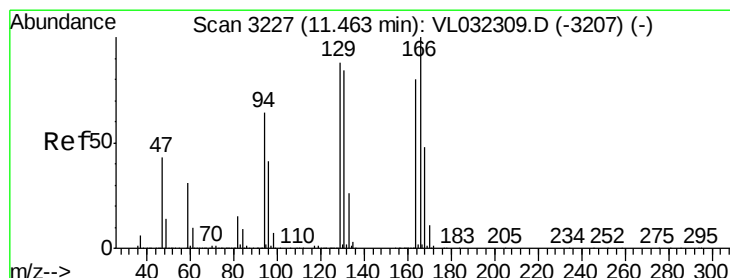
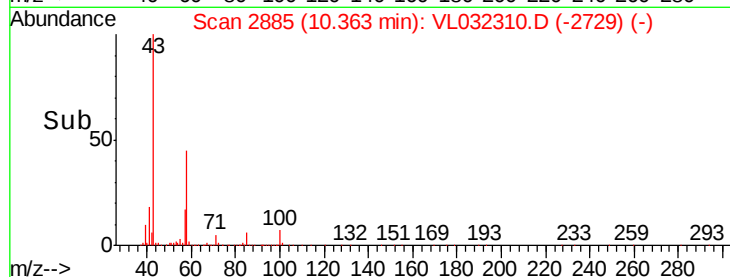
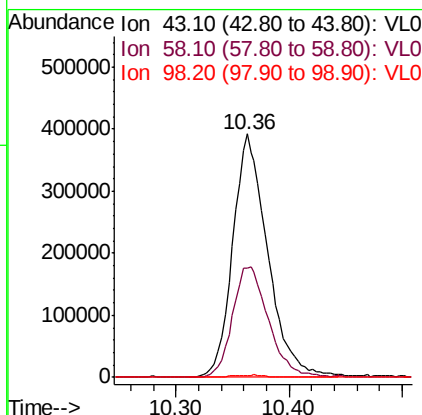
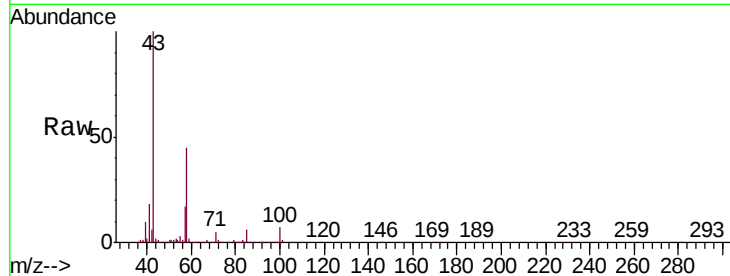
#51
2-Hexanone
Concen: 2.17 ppbv
RT: 10.36 min Scan# 2885
Delta R.T. 0.00 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.4	39.1	58.7
98	0.8	0.3	0.5#

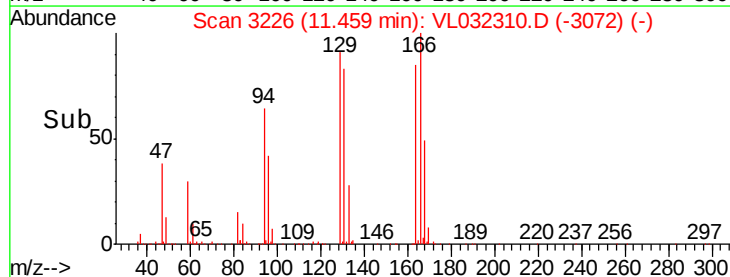
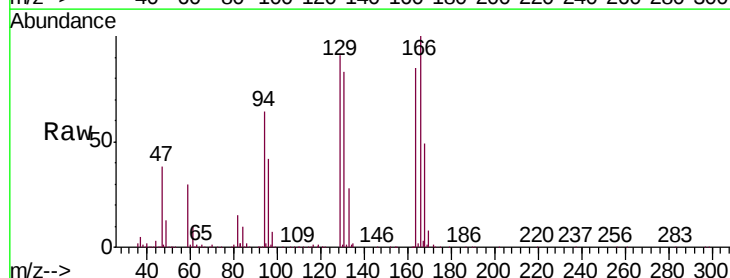
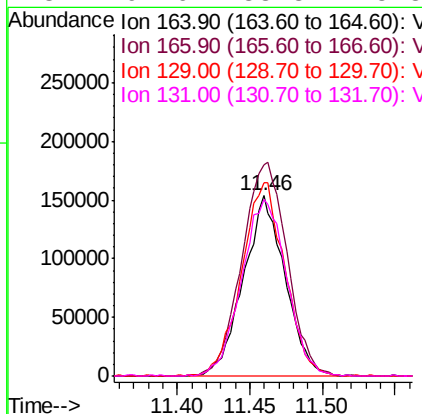
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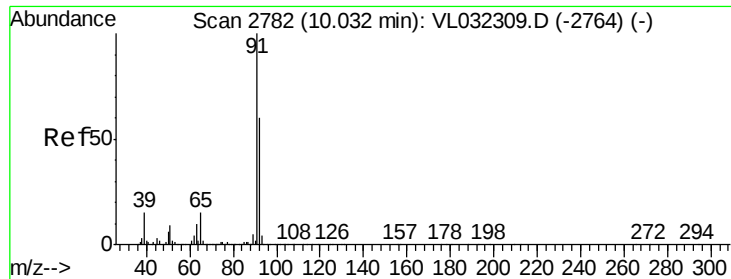
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#52
Tetrachloroethene
Concen: 2.08 ppbv
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.0	100.0	150.0
129	106.6	87.9	131.9
131	97.6	83.8	125.8





#53

Toluene

Concen: 2.05 ppbv

RT: 10.03 min Scan# 2782

Delta R.T. -0.00 min

Lab File: VL032310.D

Acq: 27 Jul 2018 1:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 1061787

Ion Ratio Lower Upper

91 100

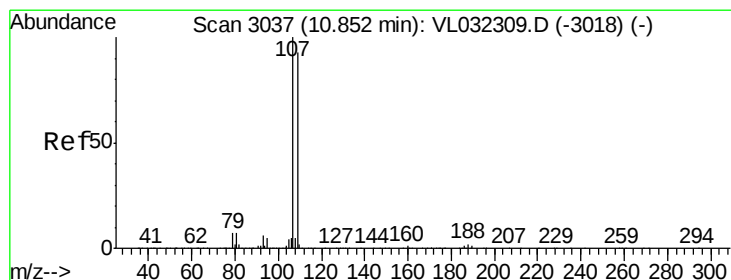
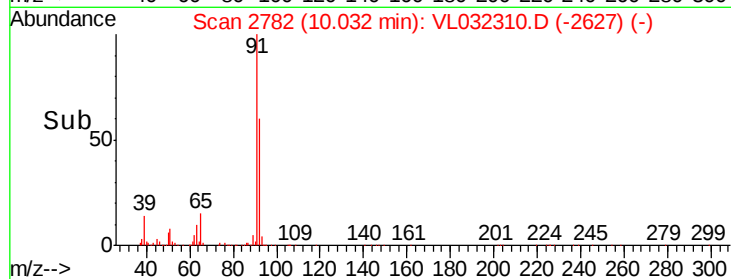
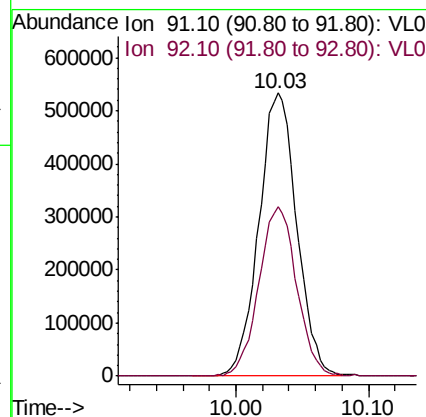
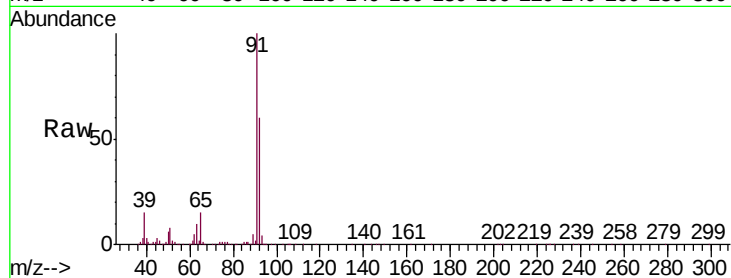
92 60.0 48.6 72.8

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#54

1,2-Dibromoethane

Concen: 2.11 ppbv

RT: 10.85 min Scan# 3035

Delta R.T. -0.01 min

Lab File: VL032310.D

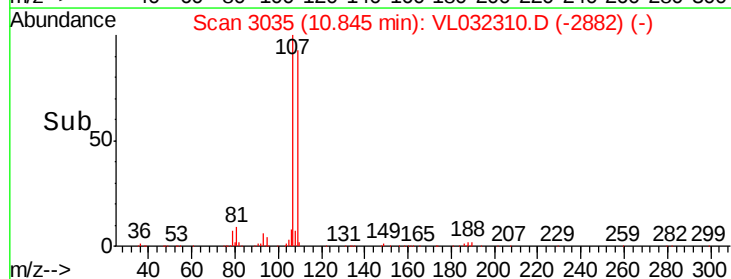
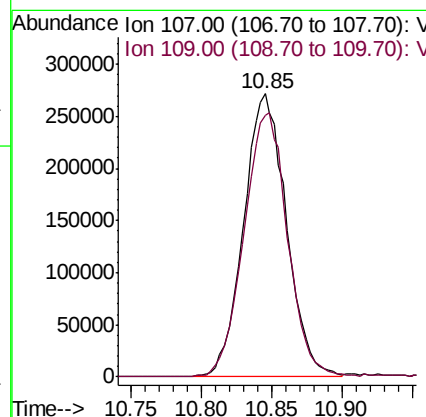
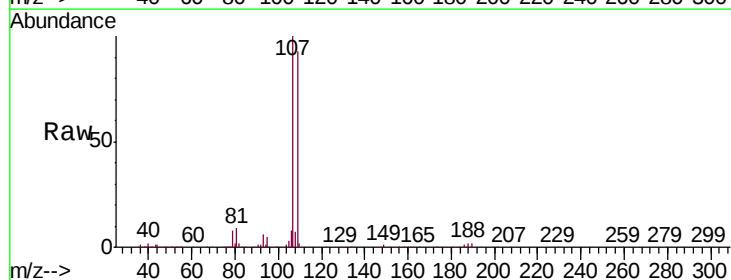
Acq: 27 Jul 2018 1:17

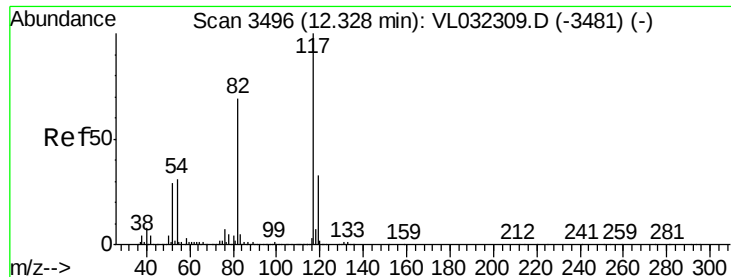
Tgt Ion: 107 Resp: 575489

Ion Ratio Lower Upper

107 100

109 92.2 74.1 111.1





#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.33 min Scan# 3496

Delta R.T. -0.00 min

Lab File: VL032310.D

Acq: 27 Jul 2018 1:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:117 Resp: 5353469

Ion Ratio Lower Upper

117 100

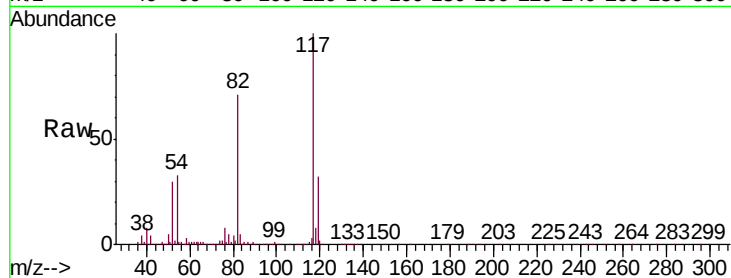
82 65.6 52.6 78.8

119 36.5 25.7 38.5

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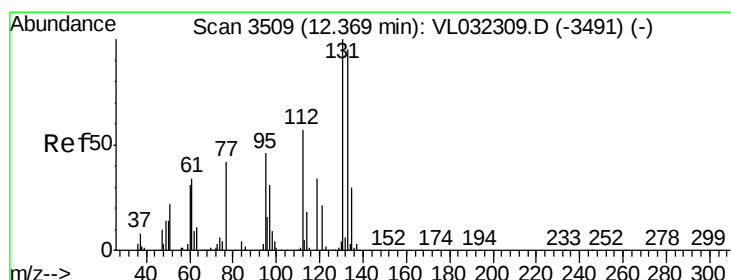
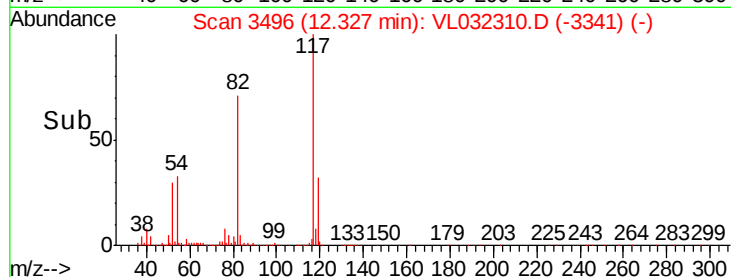
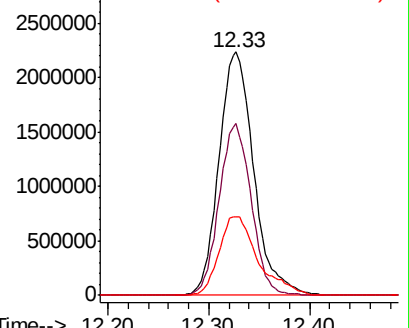
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 1.97 ppbv

RT: 12.36 min Scan# 3507

Delta R.T. -0.01 min

Lab File: VL032310.D

Acq: 27 Jul 2018 1:17

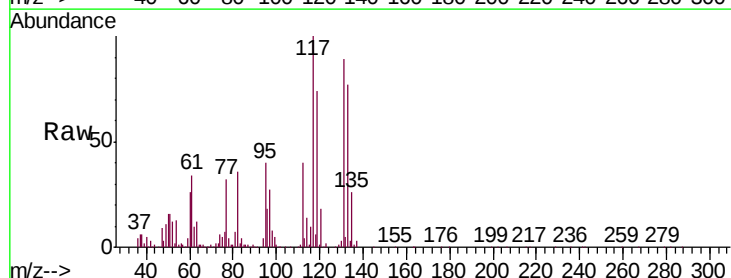
Tgt Ion:131 Resp: 467766

Ion Ratio Lower Upper

131 100

133 94.9 75.8 113.6

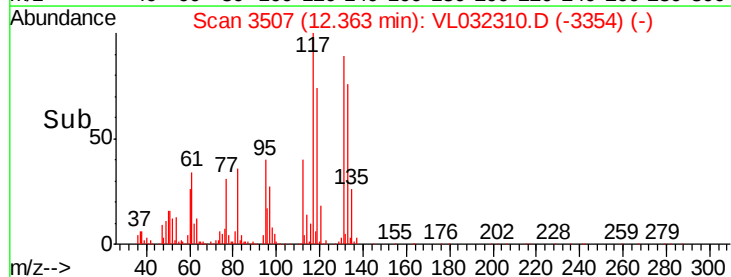
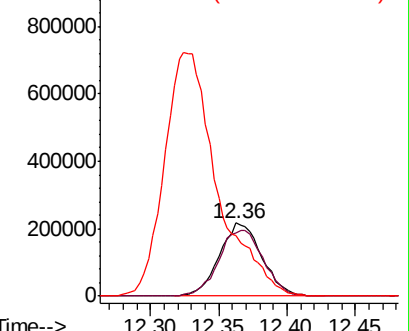
119 416.4 48.1 72.1#

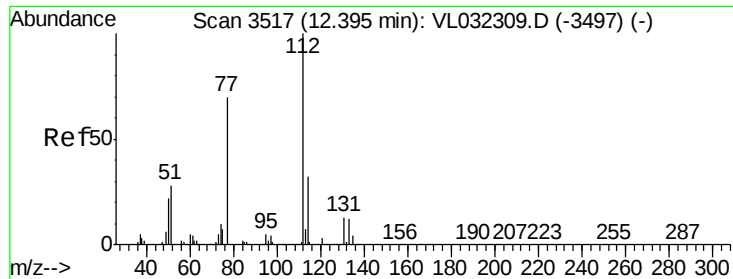


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 2.00 ppbv

RT: 12.39 min Scan# 3514

Delta R.T. -0.01 min

Lab File: VL032310.D

Acq: 27 Jul 2018 1:17

Instrument :

MSVOA_L

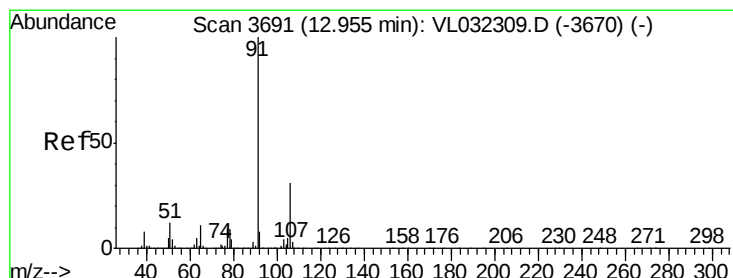
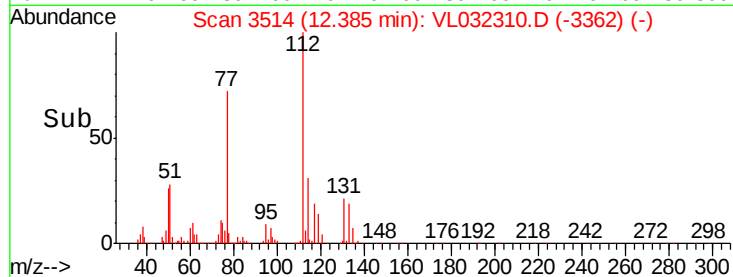
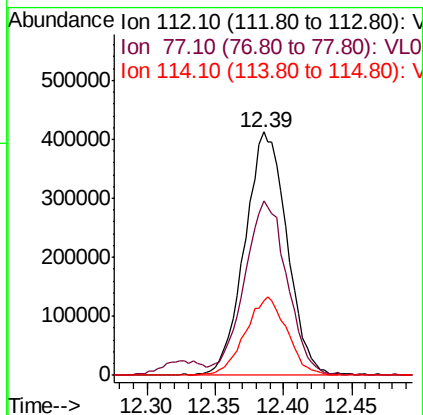
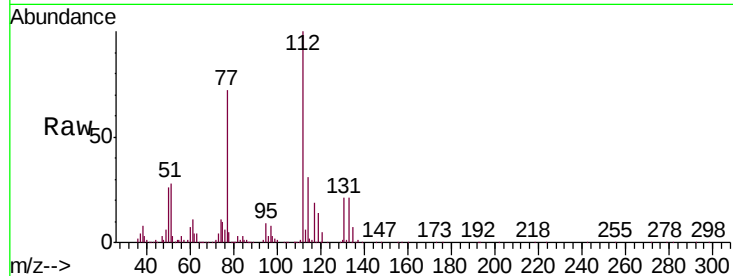
ClientSampleId :

VSTDIC002

Tot Ion:	112	Resp:	878621
Ion Ratio	Lower	Upper	
112	100		
77	71.0	56.5	84.7
114	30.6	28.4	34.7

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#58

Ethyl Benzene

Concen: 1.99 ppbv

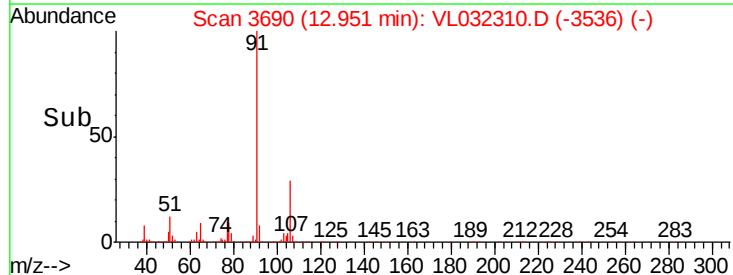
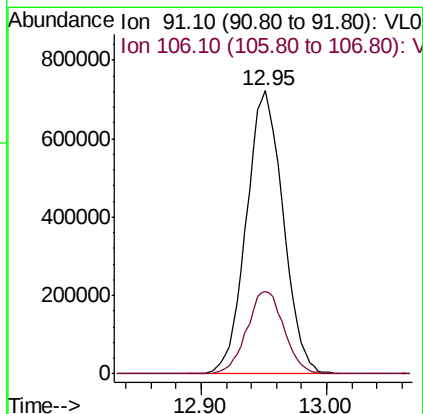
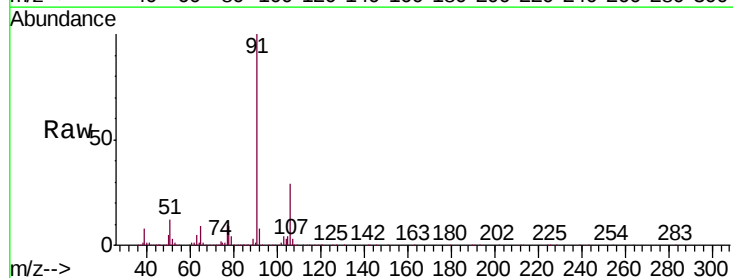
RT: 12.95 min Scan# 3690

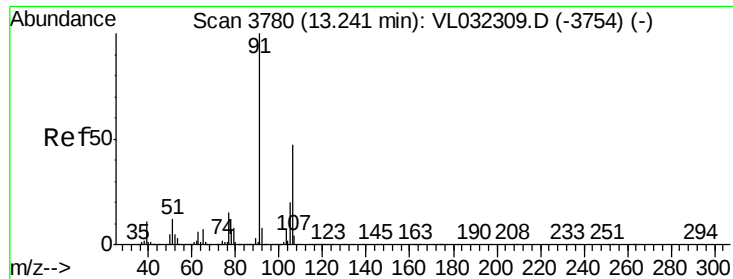
Delta R.T. -0.00 min

Lab File: VL032310.D

Acq: 27 Jul 2018 1:17

Tgt Ion:	91	Resp:	1476884
Ion Ratio	Lower	Upper	
91	100		
106	29.2	25.0	37.4





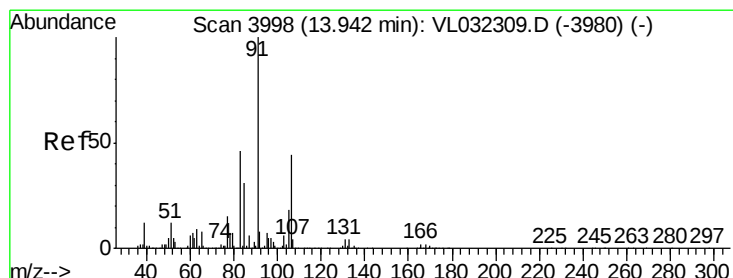
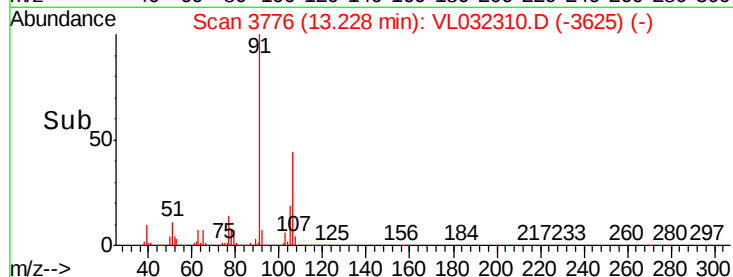
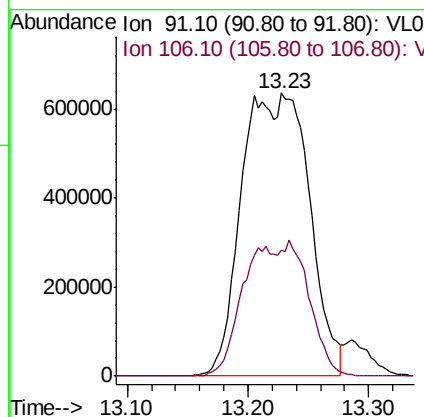
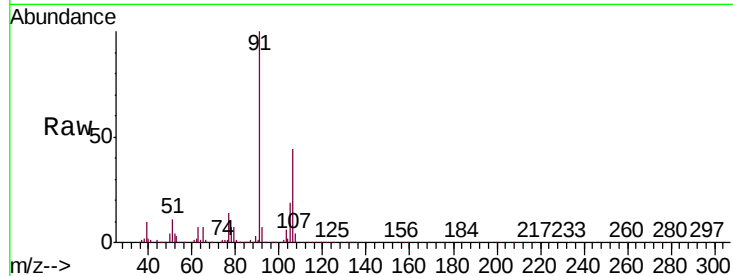
#59
m/p-Xylene
Concen: 3.88 ppbv m
RT: 13.23 min Scan# 3776
Delta R.T. -0.01 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 2486499
Ion Ratio Lower Upper
91 100
106 45.2 36.4 54.6

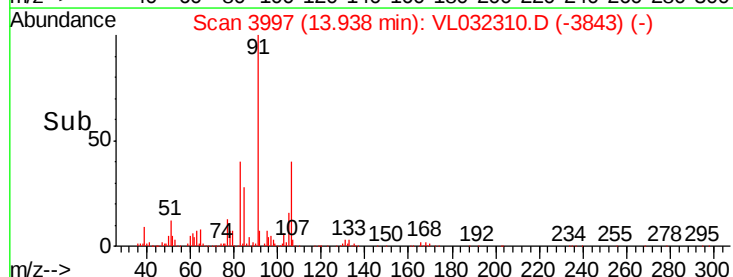
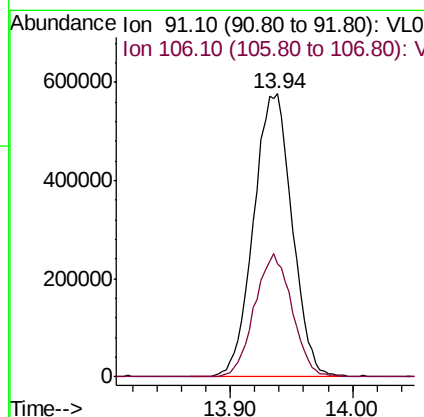
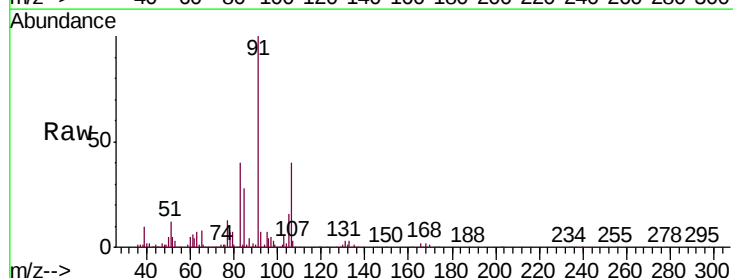
Manual Integrations
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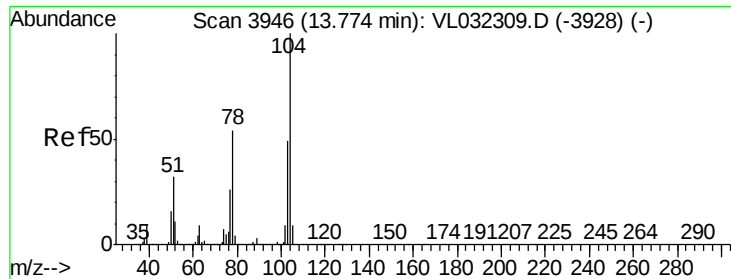
MMDadoda
7/30/2018 11:42:57 AM



#60
o-Xylene
Concen: 1.97 ppbv
RT: 13.94 min Scan# 3997
Delta R.T. -0.00 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Tgt Ion: 91 Resp: 1255116
Ion Ratio Lower Upper
91 100
106 42.5 22.4 67.0





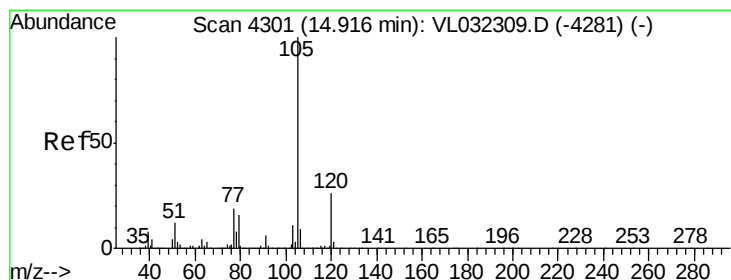
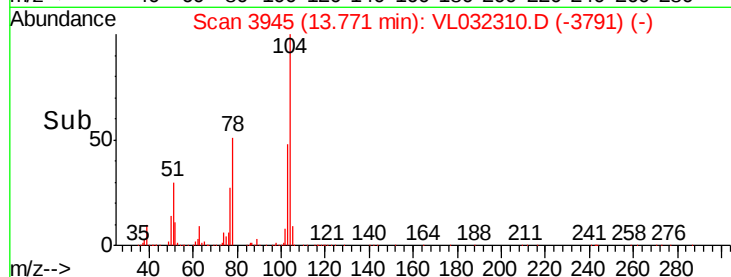
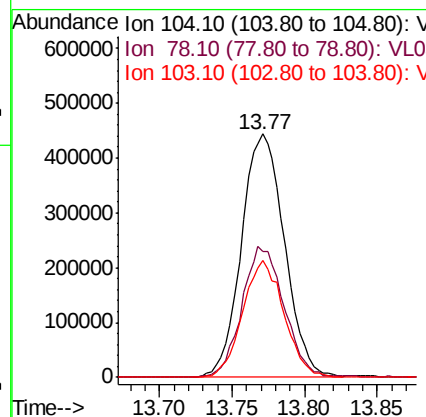
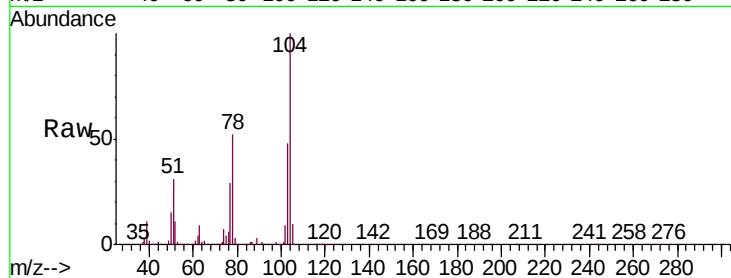
#61
Stvrene
Concen: 1.95 ppbv
RT: 13.77 min Scan# 3945
Delta R.T. -0.00 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.3	42.6	63.8
103	46.7	38.0	57.0

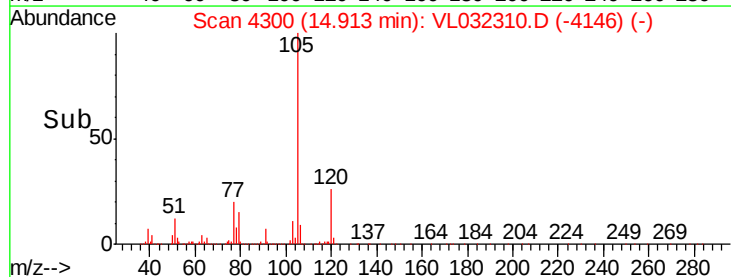
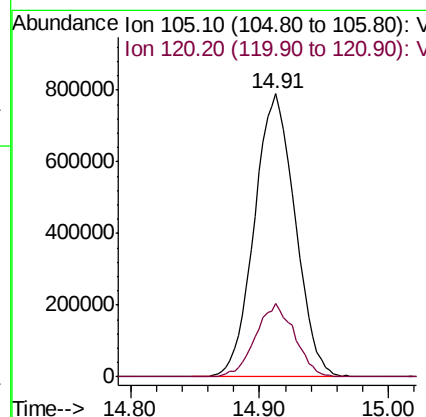
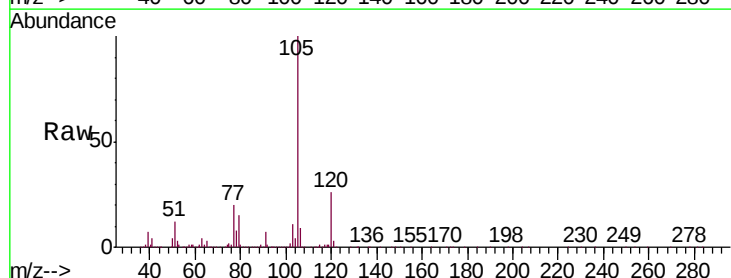
Manual Integrations
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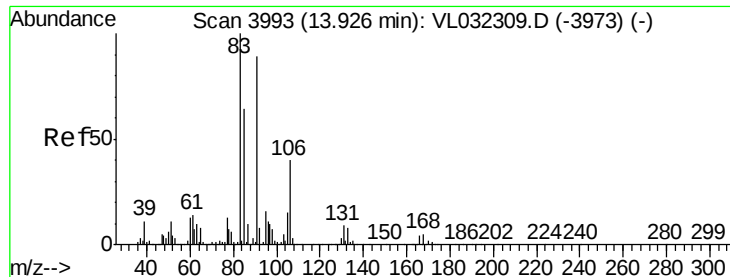
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#62
Isopropylbenzene
Concen: 1.93 ppbv
RT: 14.91 min Scan# 4300
Delta R.T. -0.00 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.9	20.4	30.6





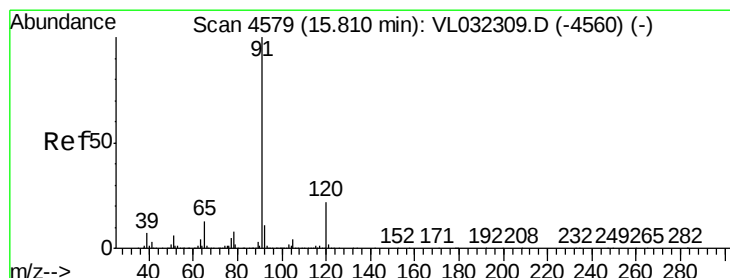
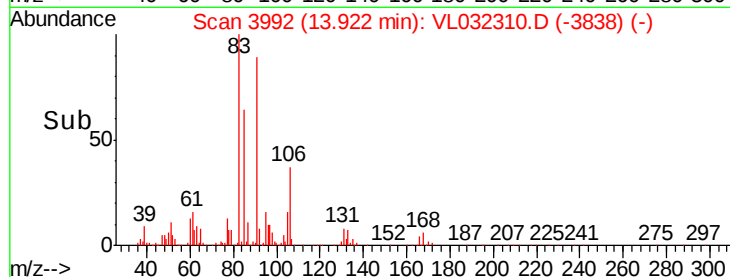
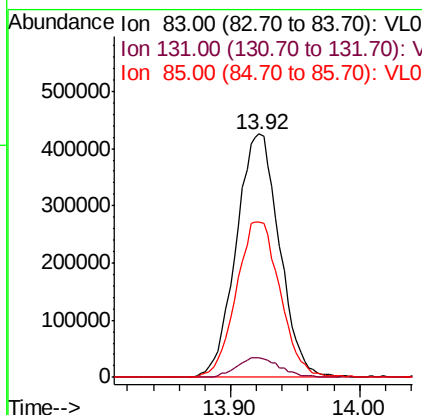
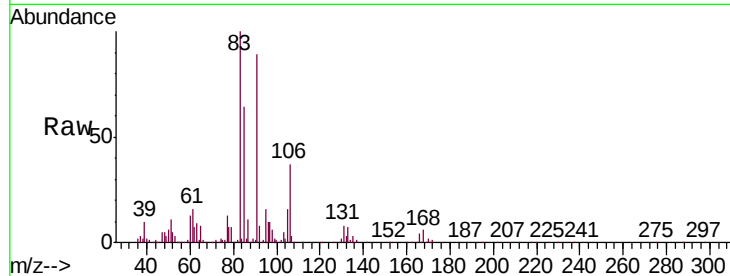
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.81 ppbv
 RT: 13.92 min Scan# 3992
 Delta R.T. -0.00 min
 Lab File: VL032310.D
 Acq: 27 Jul 2018 1:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
83	100	985098		
131	8.1	4.3	12.8	
85	65.5	32.6	97.7	

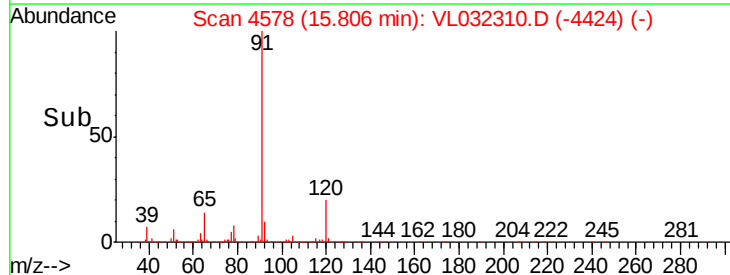
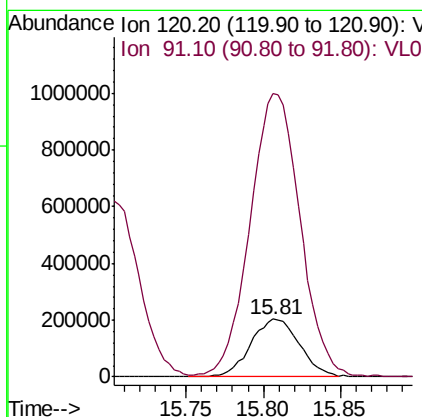
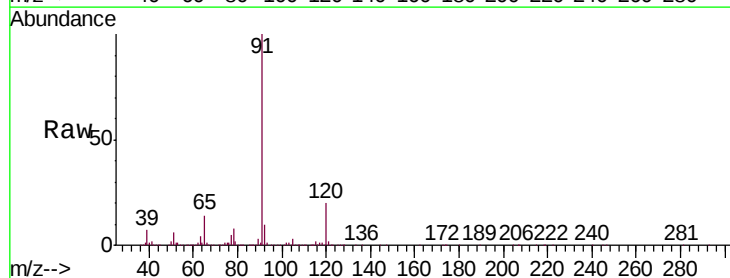
Manual Integrations
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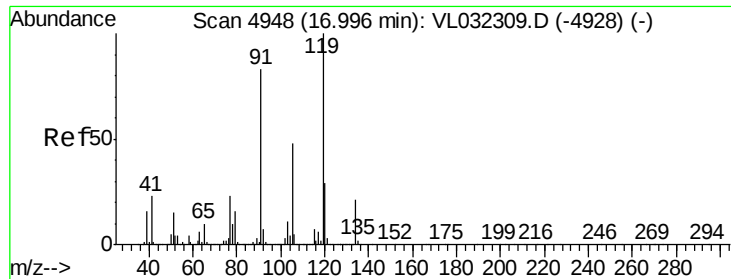
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#64
 n-propylbenzene
 Concen: 1.93 ppbv
 RT: 15.81 min Scan# 4578
 Delta R.T. -0.00 min
 Lab File: VL032310.D
 Acq: 27 Jul 2018 1:17

Tgt Ion	Ratio	Resp	Lower	Upper
120	100	447833		
91	504.9	381.8	572.8	





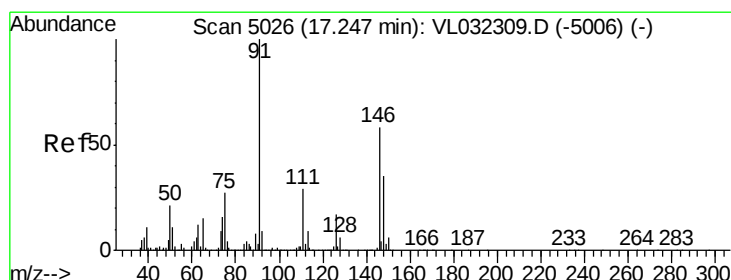
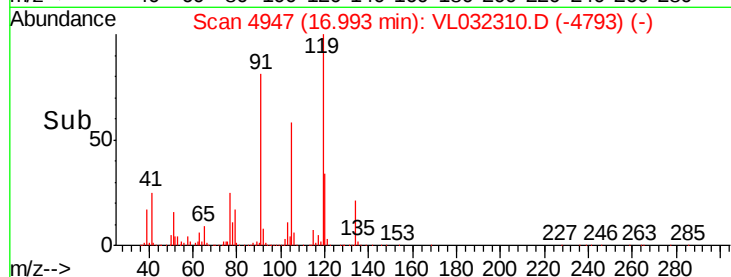
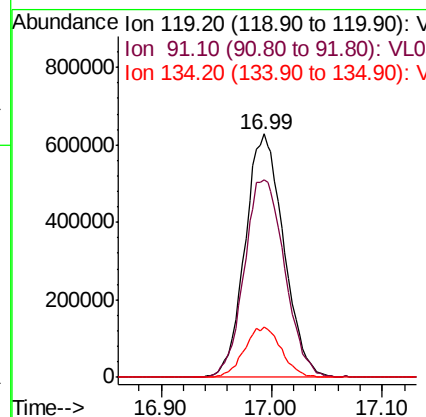
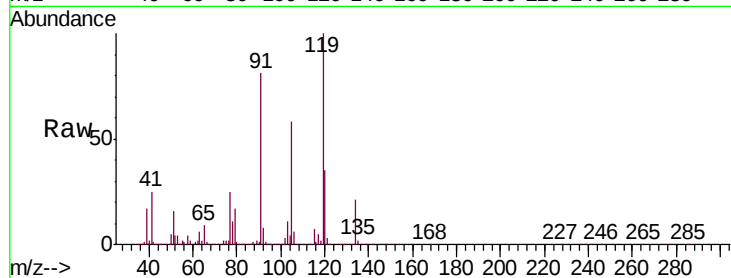
#65
tert-Butylbenzene
Concen: 1.97 ppbv
RT: 16.99 min Scan# 4947
Delta R.T. -0.00 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 119 Resp: 1519283
Ion Ratio Lower Upper
119 100
91 85.2 67.5 101.3
134 19.9 15.8 23.6

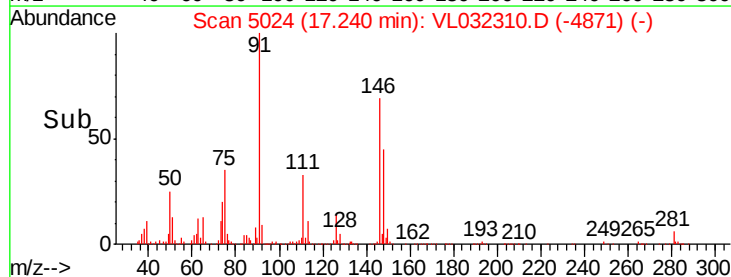
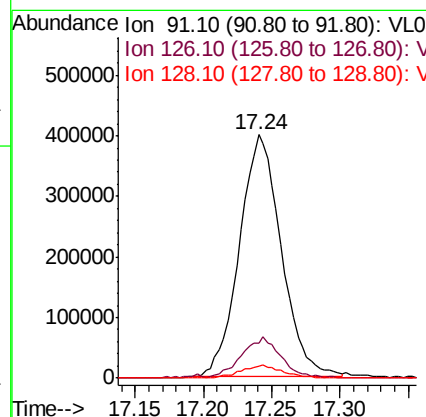
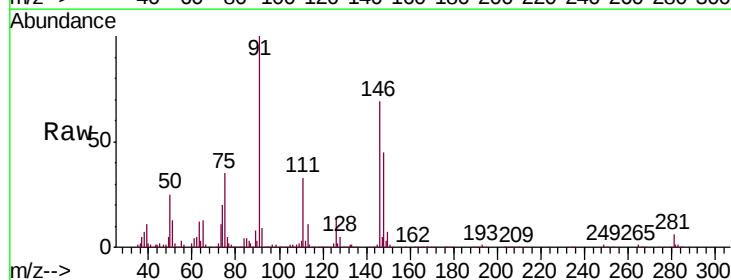
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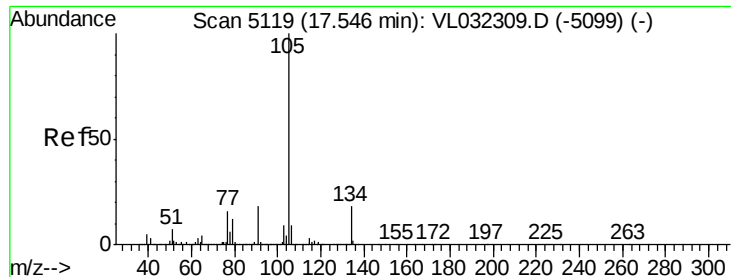
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#66
Benzyl Chloride
Concen: 1.98 ppbv
RT: 17.24 min Scan# 5024
Delta R.T. -0.01 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Tgt Ion: 91 Resp: 853204
Ion Ratio Lower Upper
91 100
126 16.7 13.7 20.5
128 5.5 4.3 6.5





#67

sec-Butylbenzene

Concen: 1.96 ppbv

RT: 17.54 min Scan# 5118

Delta R.T. -0.00 min

Lab File: VL032310.D

Acq: 27 Jul 2018 1:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 105 Resp: 2259718

Ion Ratio Lower Upper

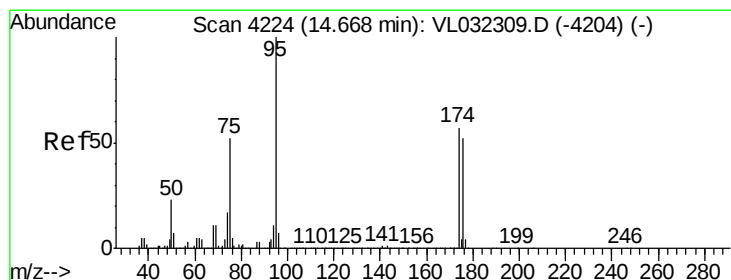
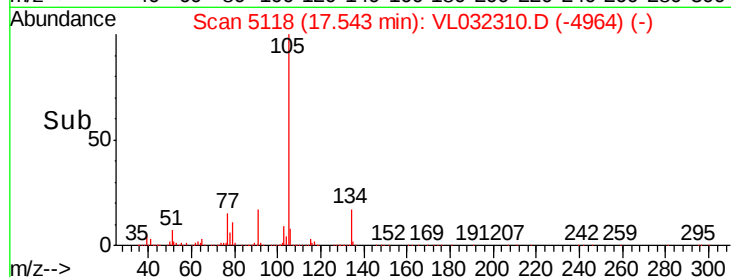
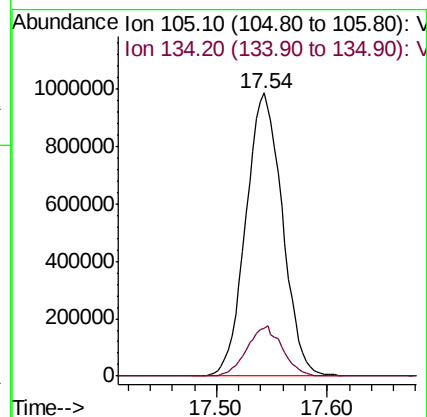
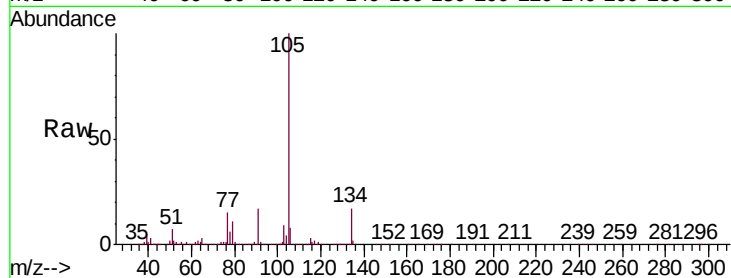
105 100

134 17.3 14.2 21.4

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.51 ppbv

RT: 14.66 min Scan# 4222

Delta R.T. -0.01 min

Lab File: VL032310.D

Acq: 27 Jul 2018 1:17

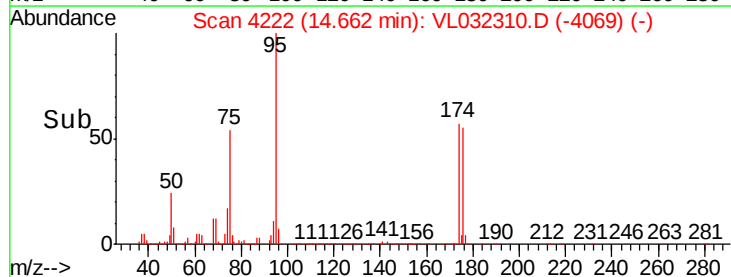
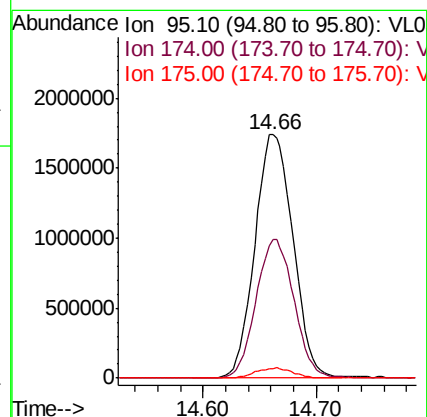
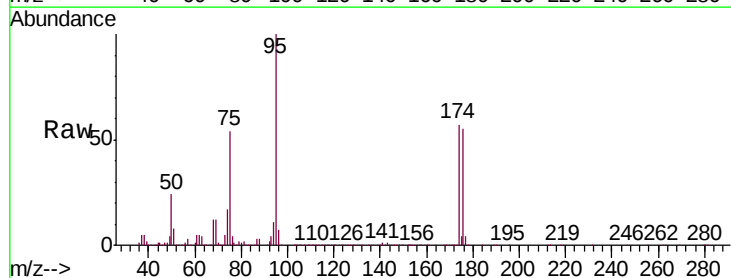
Tgt Ion: 95 Resp: 4072270

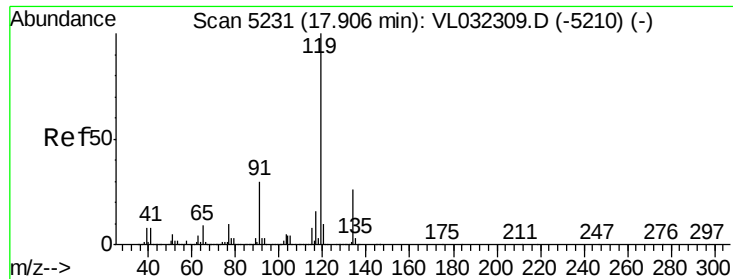
Ion Ratio Lower Upper

95 100

174 57.1 45.5 68.3

175 4.1 3.3 4.9





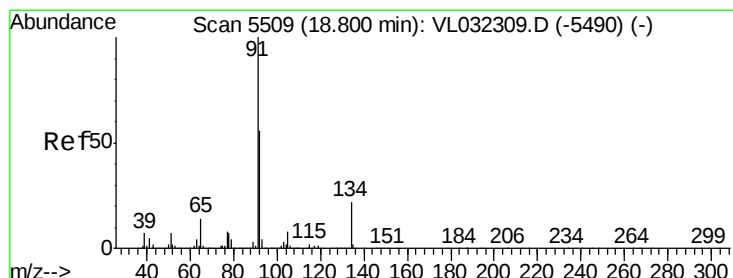
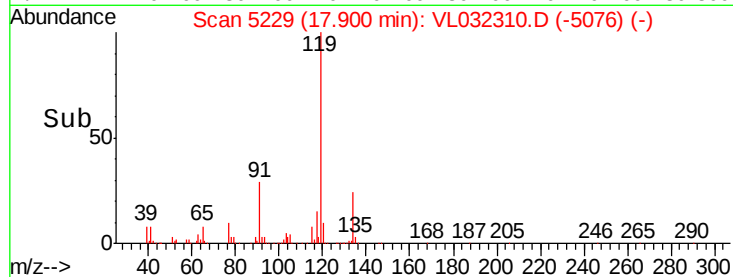
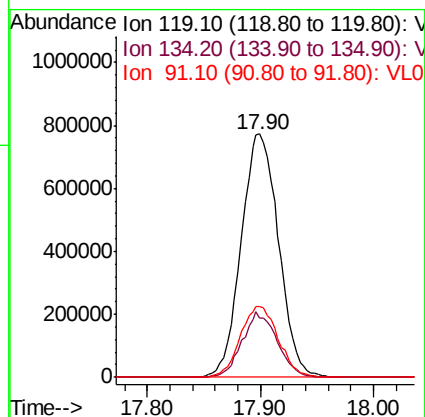
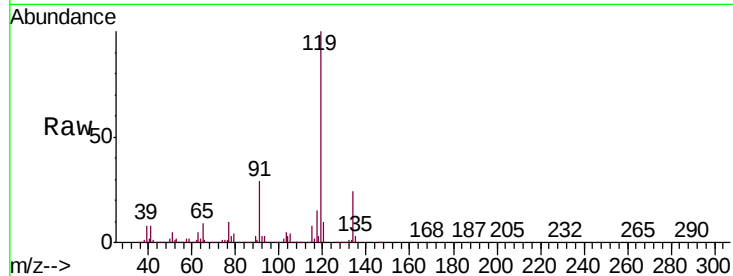
#69
 p-Isopropyltoluene
 Concen: 1.99 ppbv
 RT: 17.90 min Scan# 5229
 Delta R.T. -0.01 min
 Lab File: VL032310.D
 Acq: 27 Jul 2018 1:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.3	30.5
91	29.7	23.8	35.6

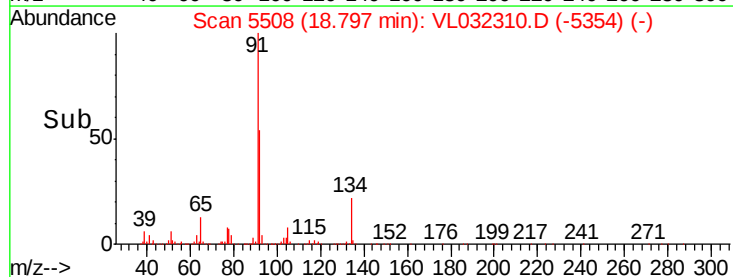
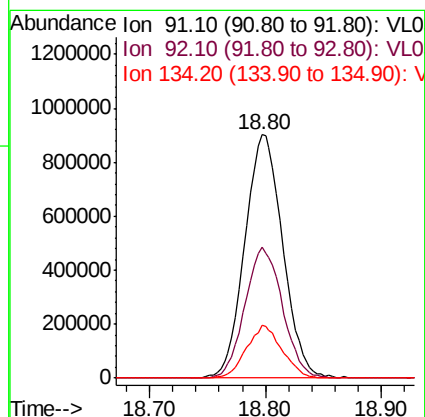
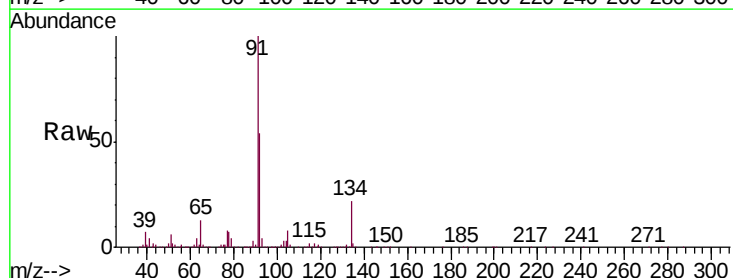
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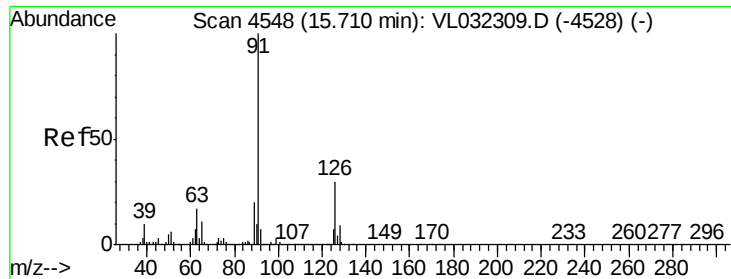
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#70
 n-Butylbenzene
 Concen: 2.05 ppbv
 RT: 18.80 min Scan# 5508
 Delta R.T. -0.00 min
 Lab File: VL032310.D
 Acq: 27 Jul 2018 1:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.5	44.2	66.4
134	20.5	17.4	26.2





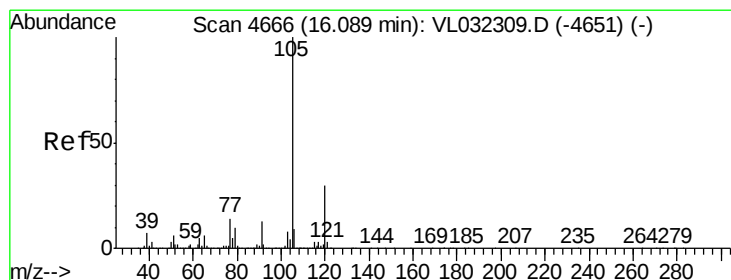
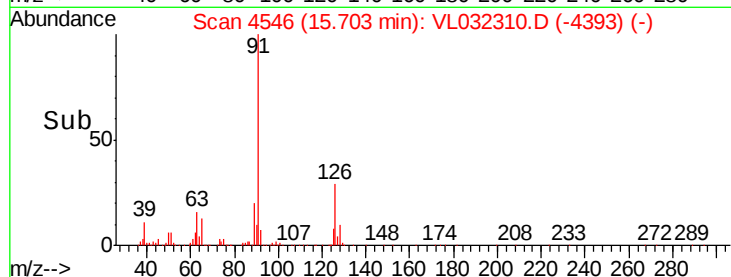
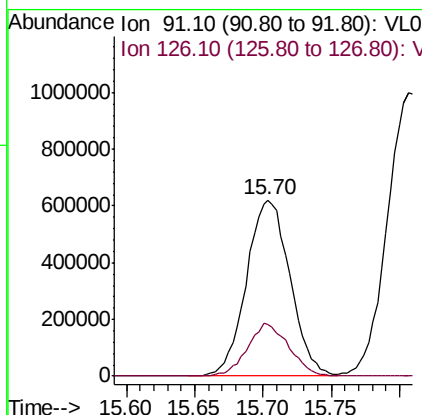
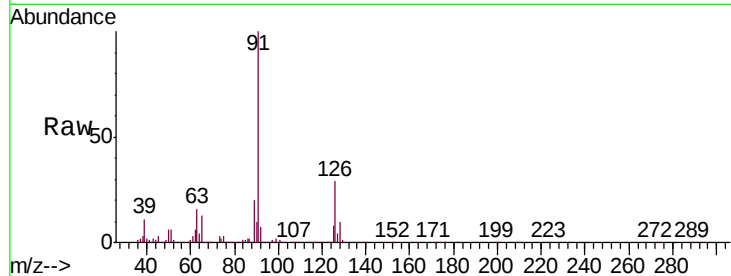
#71
 2-Chlorotoluene
 Concen: 1.90 ppbv
 RT: 15.70 min Scan# 4546
 Delta R.T. -0.01 min
 Lab File: VL032310.D
 Acq: 27 Jul 2018 1:17

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDIC002

Tot Ion: 91 Resp: 1373367
 Ion Ratio Lower Upper
 91 100
 126 28.7 11.8 47.0

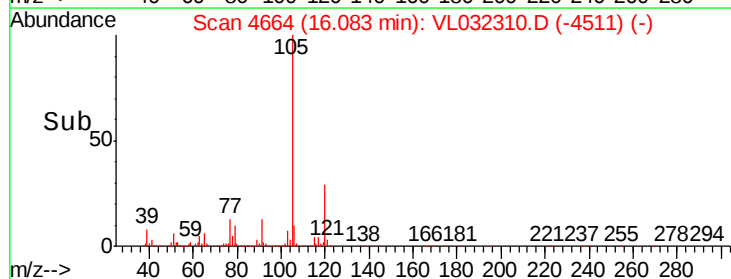
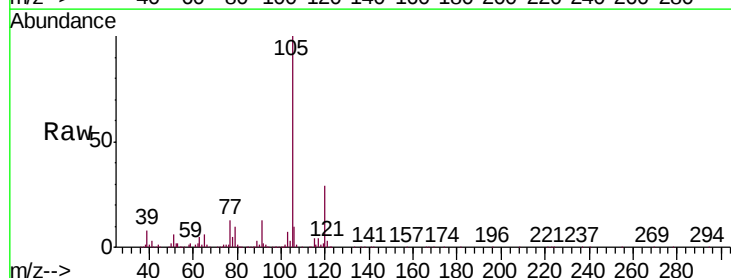
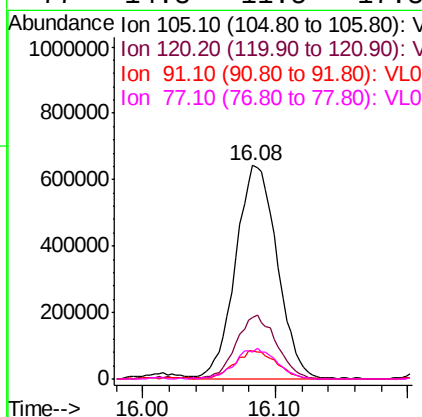
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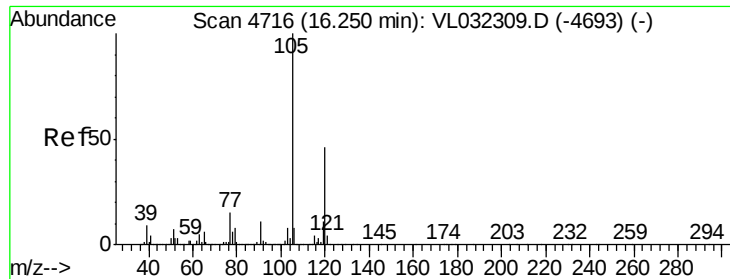
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#72
 4-Ethyltoluene
 Concen: 1.92 ppbv
 RT: 16.08 min Scan# 4664
 Delta R.T. -0.01 min
 Lab File: VL032310.D
 Acq: 27 Jul 2018 1:17

Tgt Ion: 105 Resp: 1394533
 Ion Ratio Lower Upper
 105 100
 120 29.2 23.1 34.7
 91 14.1 10.0 15.0
 77 14.3 11.5 17.3





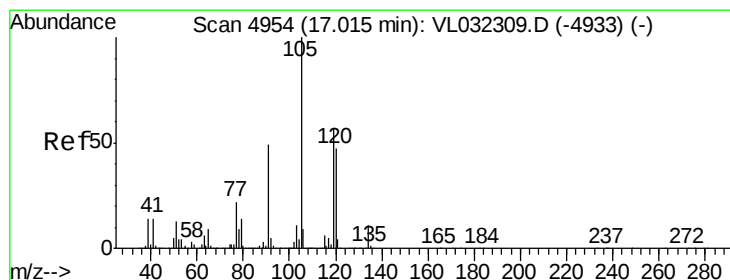
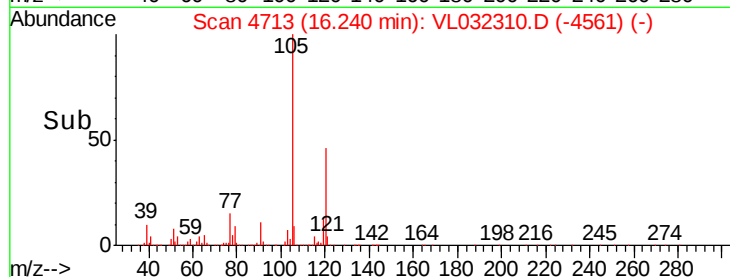
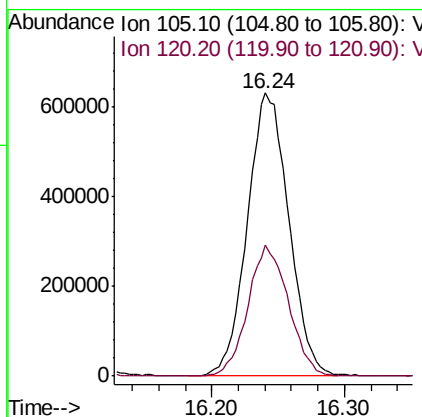
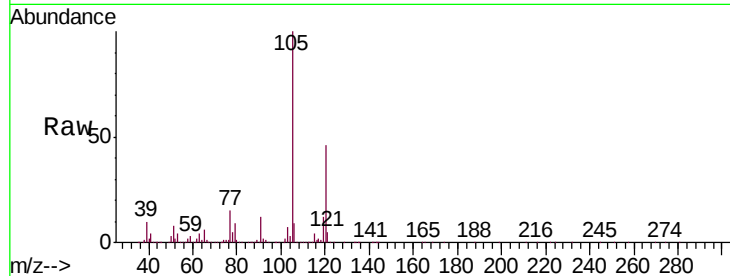
#73
 1,3,5-Trimethylbenzene
 Concen: 1.93 ppbv
 RT: 16.24 min Scan# 4713
 Delta R.T. -0.01 min
 Lab File: VL032310.D
 Acq: 27 Jul 2018 1:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:105 Resp: 1368240
 Ion Ratio Lower Upper
 105 100
 120 46.1 36.5 54.7

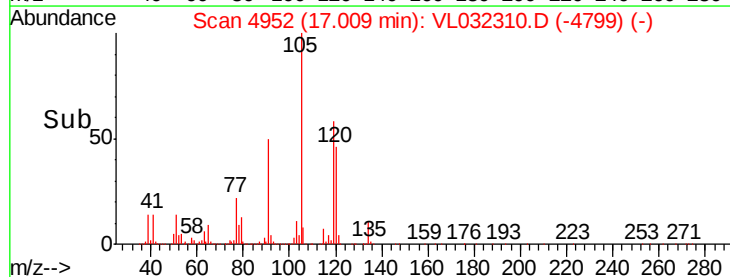
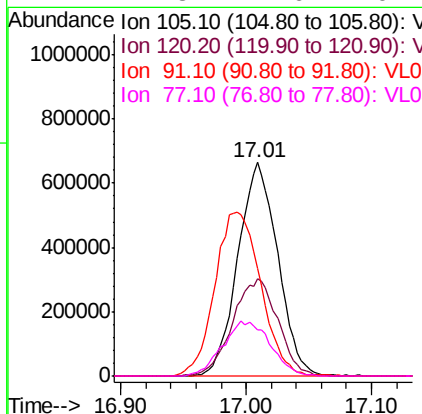
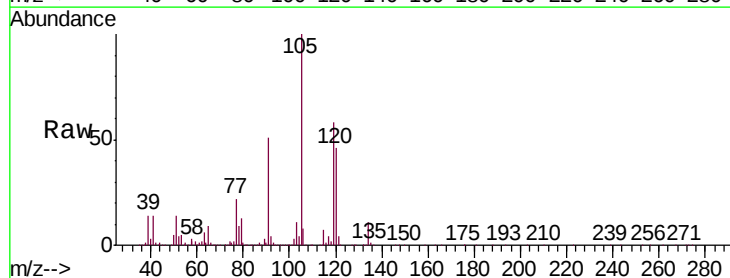
Manual Integrations
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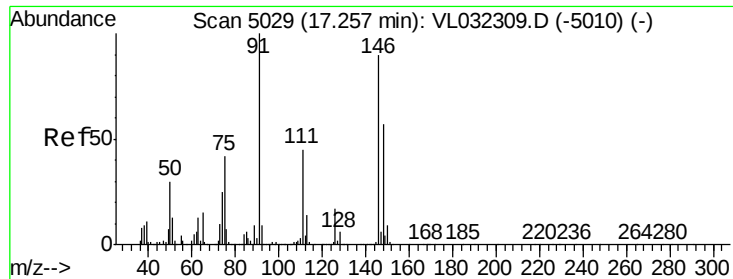
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 7/30/2018 11:42:57 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 1.96 ppbv
 RT: 17.01 min Scan# 4952
 Delta R.T. -0.01 min
 Lab File: VL032310.D
 Acq: 27 Jul 2018 1:17

Tgt Ion:105 Resp: 1460104
 Ion Ratio Lower Upper
 105 100
 120 45.7 37.8 56.6
 91 50.2 39.4 59.0
 77 21.3 17.6 26.4





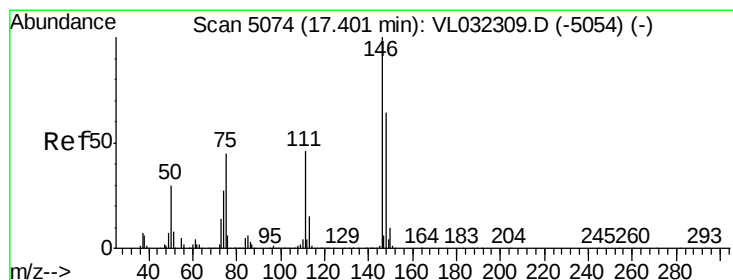
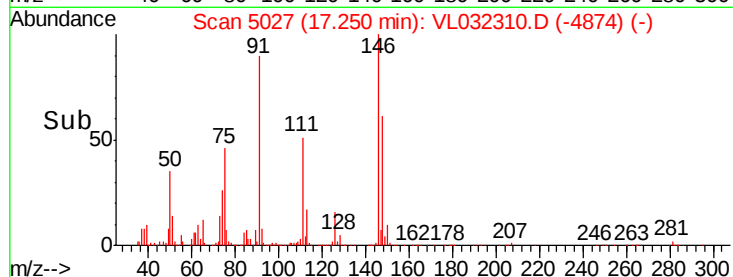
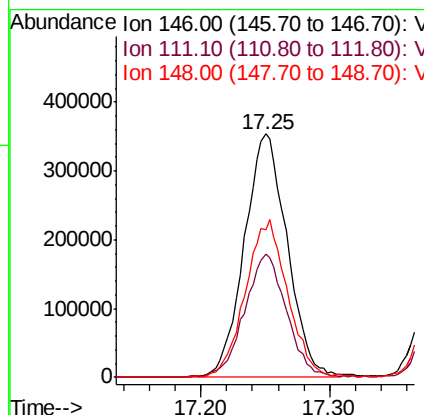
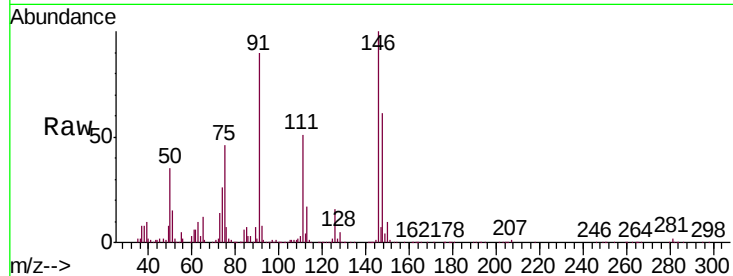
#75
 1,3-Dichlorobenzene
 Concen: 1.96 ppbv
 RT: 17.25 min Scan# 5027
 Delta R.T. -0.01 min
 Lab File: VL032310.D
 Acq: 27 Jul 2018 1:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.8	24.6	73.8
148	64.1	31.6	95.0

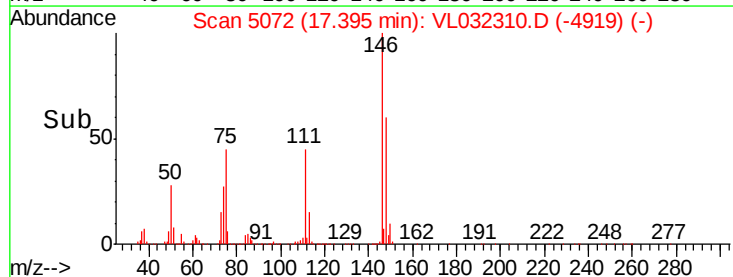
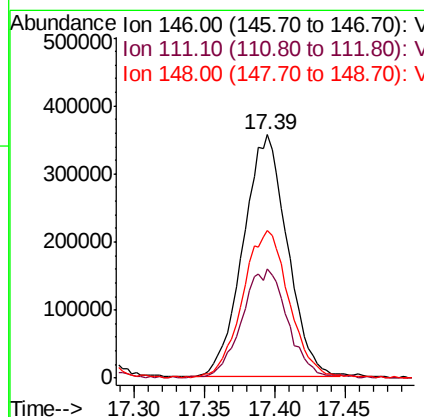
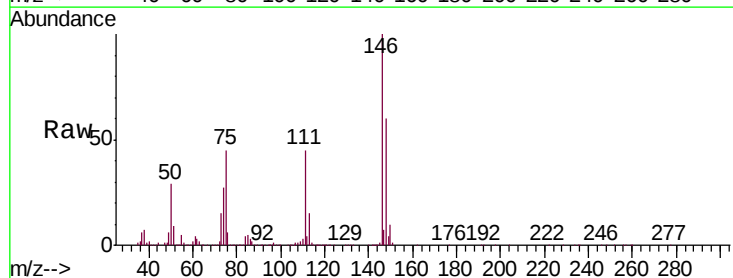
Manual Integrations
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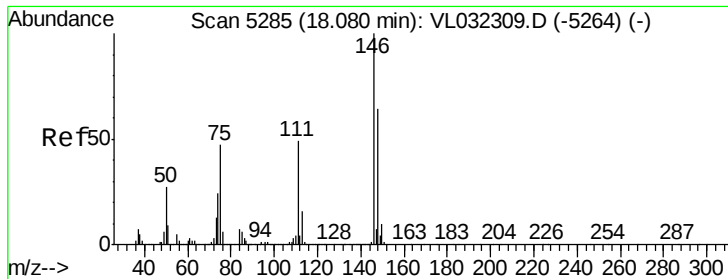
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#76
 1,4-Dichlorobenzene
 Concen: 1.89 ppbv
 RT: 17.39 min Scan# 5072
 Delta R.T. -0.01 min
 Lab File: VL032310.D
 Acq: 27 Jul 2018 1:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.6	70.8
148	64.5	32.1	96.3





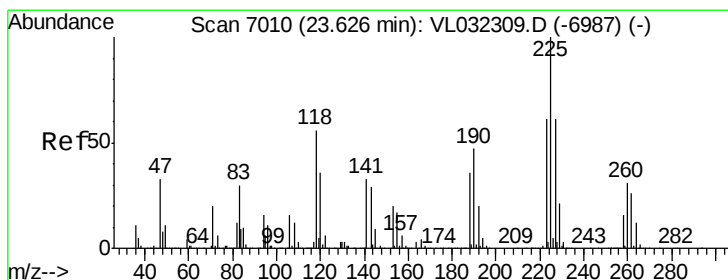
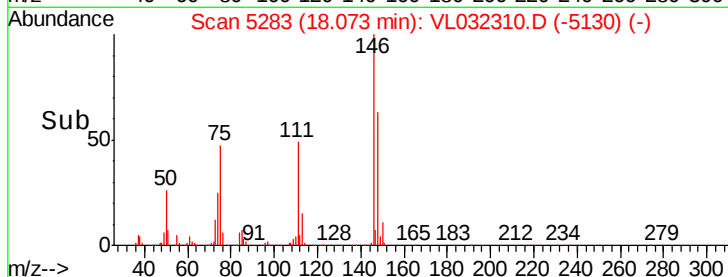
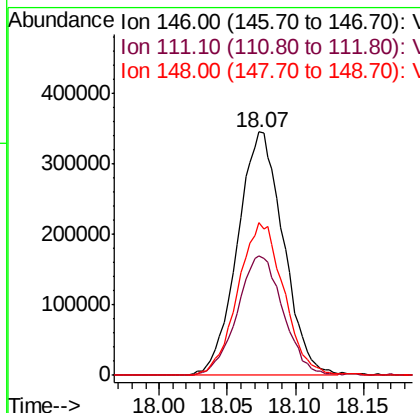
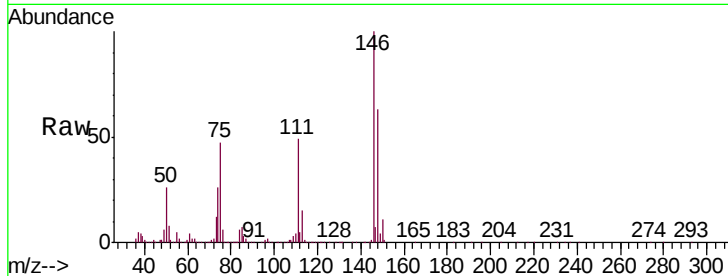
#77
 1,2-Dichlorobenzene
 Concen: 1.98 ppbv
 RT: 18.07 min Scan# 5283
 Delta R.T. -0.01 min
 Lab File: VL032310.D
 Acq: 27 Jul 2018 1:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp Lower	Upper
146	100		
111	49.5	25.1	75.3
148	63.4	31.9	95.7

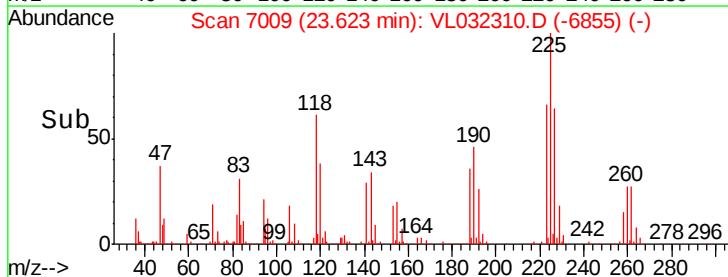
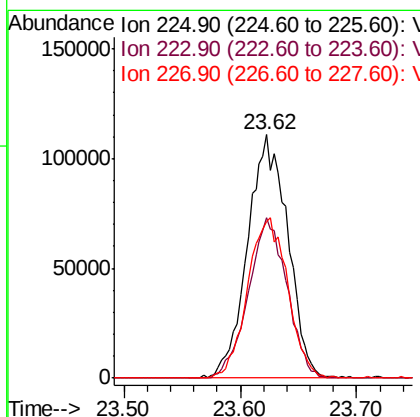
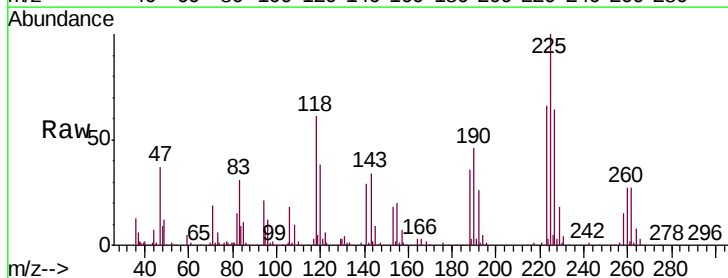
Manual Integrations
 APPROVED

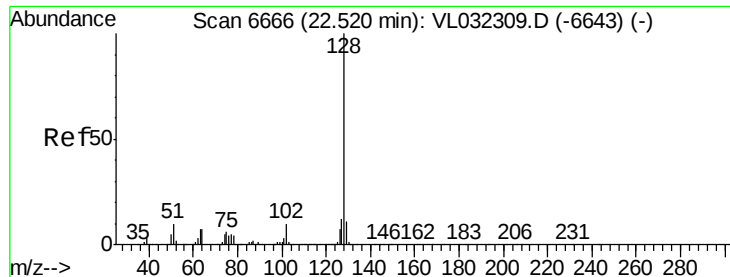
MMDadoda
 7/30/2018 11:42:57 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 2.00 ppbv m
 RT: 23.62 min Scan# 7009
 Delta R.T. -0.00 min
 Lab File: VL032310.D
 Acq: 27 Jul 2018 1:17

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	0.0	50.5	75.7#
227	66.1	51.3	76.9





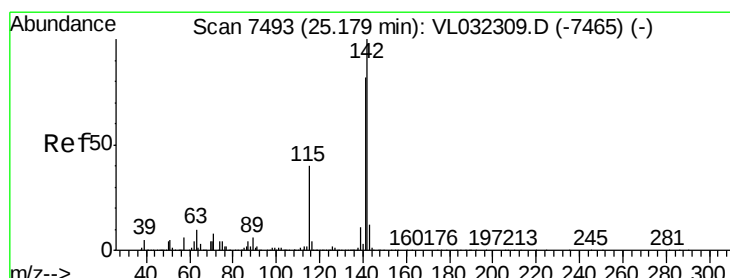
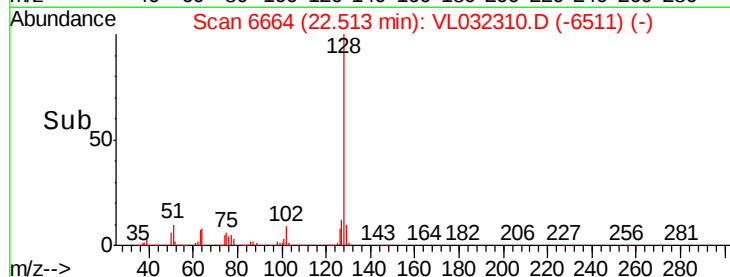
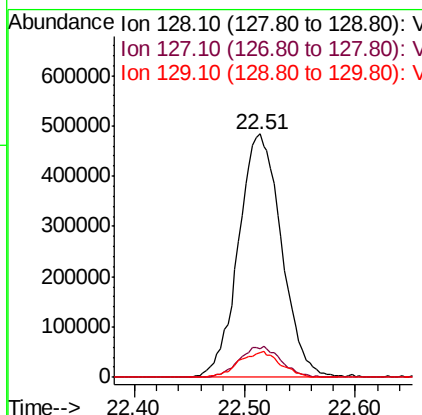
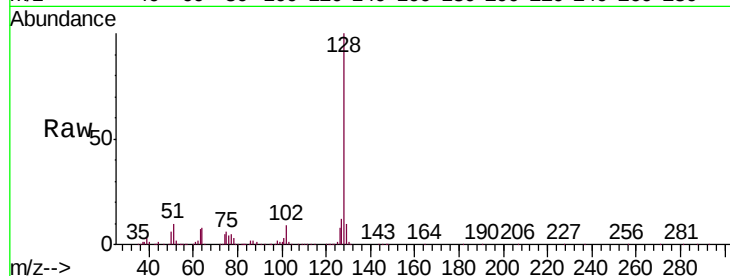
#79
Naphthalene
Concen: 2.04 ppbv
RT: 22.51 min Scan# 6664
Delta R.T. -0.01 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.6	9.9	14.9
129	10.4	8.8	13.2

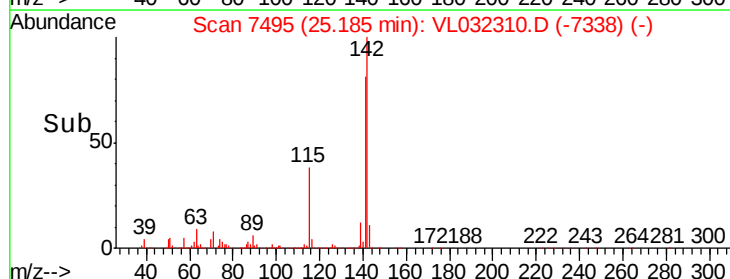
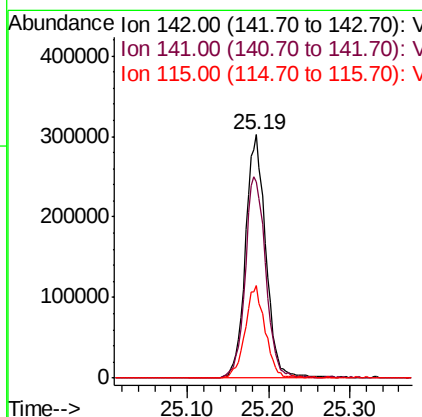
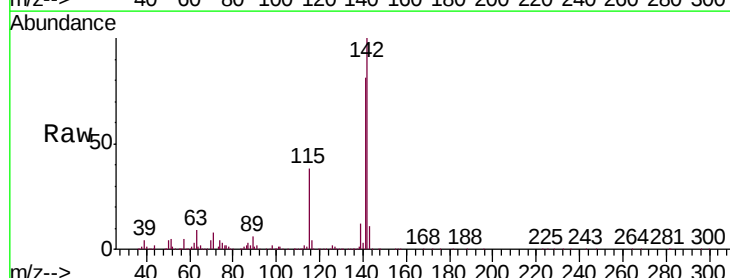
Manual Integrations
APPROVED

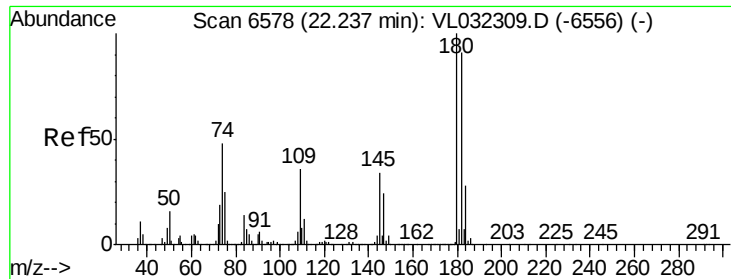
MMDadoda
7/30/2018 11:42:57 AM



#80
Naphthalene, 2-methyl-
Concen: 1.90 ppbv
RT: 25.19 min Scan# 7495
Delta R.T. 0.01 min
Lab File: VL032310.D
Acq: 27 Jul 2018 1:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.0	66.7	100.1
115	38.3	31.1	46.7





#81
 1,2,4-Trichlorobenzene
 Concen: 2.08 ppbv m
 RT: 22.23 min Scan# 6577
 Delta R.T. -0.00 min
 Lab File: VL032310.D
 Acq: 27 Jul 2018 1:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.2	114.2
184	29.8	24.3	36.5

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 11:42:57 AM

