

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031319\
 Data File : VL033310.D
 Acq On : 14 Mar 2019 10:54
 Operator : SY/AP
 Sample : VL0313ABS02
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS02

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 10:42:00 PM

Quant Time: Mar 15 02:25:57 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 15 2019

QLast Update : Thu Mar 14 00:01:31 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	729006	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	1972856	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2011053m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1537693	10.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	1466139	10.869	ppbv	99
3) Chlorodifluoromethane	3.01	51	883894	9.295	ppbv	100
4) Chloromethane	3.17	50	472595	9.180	ppbv	99
5) Vinyl Chloride	3.29	62	464422	9.012	ppbv	99
6) Bromomethane	3.52	94	304330	9.808	ppbv	96
7) Chloroethane	3.60	64	180334	9.773	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1152740	9.358	ppbv	97
9) Propene	3.04	41	402231	9.373	ppbv	100
10) Heptane	8.25	43	1187636	11.320	ppbv	99
11) Trichlorofluoromethane	4.01	101	1295301	9.557	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	889421	9.734	ppbv	99
13) Ethanol	3.65	45	93976	7.154	ppbv	99
14) Bromoethene	3.79	108	381361	10.041	ppbv	99
15) Acetone	3.90	43	822837	8.209	ppbv	99
16) 1,3-Butadiene	3.36	39	367042	8.943	ppbv	84
17) tert-Butyl alcohol	4.36	59	159534	9.125	ppbv	97
18) 1,1-Dichloroethene	4.35	96	386531	9.578	ppbv	97
19) Isopropyl Alcohol	4.02	45	556466	9.075	ppbv	100
20) Methylene Chloride	4.41	84	336137	8.283	ppbv	96
21) Allyl Chloride	4.48	41	608216	10.050	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	404474	9.935	ppbv	98
23) Vinyl Acetate	5.16	43	1455370	10.001	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1010229	9.596	ppbv	99
25) Ethyl Acetate	5.77	43	1723822	9.441	ppbv	100
26) Hexane	5.78	57	761422	8.925	ppbv	98
27) Carbon Disulfide	4.62	76	994736	10.902	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1207475	9.845	ppbv	99
29) Chloroform	5.85	83	1279328	9.646	ppbv	99
30) Cyclohexane	7.25	84	744387	11.239	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	808227	9.838	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1373530	10.672	ppbv	100
34) 2-Butanone	5.33	43	1136770	8.334	ppbv	100
35) Carbon Tetrachloride	7.14	117	1504090	9.918	ppbv	100
36) Benzene	7.01	78	1878901	9.697	ppbv	99
37) 1,2-Dichloroethane	6.42	62	992837	8.578	ppbv	99
38) Trichloroethene	7.97	130	703118	9.178	ppbv	97
39) 1,2-Dichloropropane	7.74	63	704763	9.472	ppbv	99
40) 1,4-Dioxane	7.96	88	250393	9.313	ppbv	74
41) Tetrahydrofuran	6.15	42	664463	8.781	ppbv	100
42) Bromodichloromethane	7.92	83	1610402	9.925	ppbv	98
43) Methyl Methacrylate	8.14	69	770096	9.983	ppbv	100

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Instrument :
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 ClientSampleId :
 VL0313ABS02

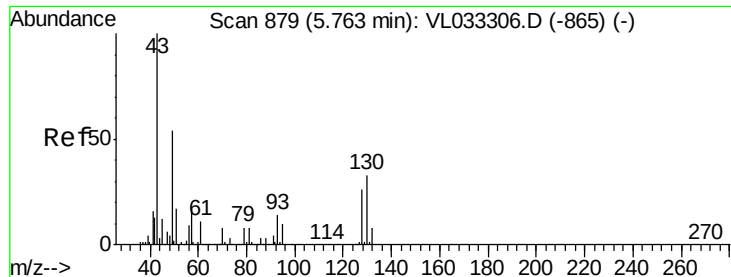
Manual Integrations
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Quant Time: Mar 15 02:25:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 15 02:25:57 2019
 QLast Update : Thu Mar 14 00:01:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3097351	9.350	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1012924	11.197	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	1152525	10.574	ppbv	99
47) 1,1,2-Trichloroethane	9.62	97	753254	9.458	ppbv	97
48) Dibromochloromethane	10.45	129	1348639	10.293	ppbv	99
49) Bromoform	13.20	173	1167059	10.281	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1876898	9.497	ppbv	100
51) 2-Hexanone	10.27	43	1498994	9.934	ppbv	99
52) Tetrachloroethene	11.37	164	670821	8.429	ppbv	98
53) Toluene	9.95	91	2187113	9.858	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1211019	9.525	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	937749	10.392	ppbv	98
57) Chlorobenzene	12.31	112	1578051	9.719	ppbv	98
58) Ethyl Benzene	12.87	91	2983718	10.335	ppbv	100
59) m/p-Xylene	13.15	91	4983971m	20.531	ppbv	
60) o-Xylene	13.85	91	2416358	10.320	ppbv	99
61) Styrene	13.69	104	1791881	10.906	ppbv	99
62) Isopropylbenzene	14.83	105	3360602	10.202	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1649748	9.776	ppbv	100
64) n-propylbenzene	15.73	120	840939	10.295	ppbv	99
65) tert-Butylbenzene	16.91	119	2941803	10.567	ppbv	100
66) Benzyl Chloride	17.16	91	1488258	13.436	ppbv	99
67) sec-Butylbenzene	17.46	105	4179076	10.441	ppbv	100
69) p-Isopropyltoluene	17.82	119	3450701	10.789	ppbv	100
70) n-Butylbenzene	18.72	91	3651381	10.920	ppbv	100
71) 2-Chlorotoluene	15.62	91	2572757	10.428	ppbv	100
72) 4-Ethyltoluene	16.00	105	2725251	10.865	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2636643	11.180	ppbv	97
74) 1,2,4-Trimethylbenzene	16.93	105	2676597	11.122	ppbv	96
75) 1,3-Dichlorobenzene	17.17	146	1522245	10.105	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1535119	10.436	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1492965	10.179	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	857152	7.925	ppbv	100
79) Naphthalene	22.42	128	2758172	13.950	ppbv	100
80) Naphthalene,2-methyl-	25.12	142	1202926	21.722	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1365336	12.144	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

Lab File: VL033310.D

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Instrument :

MSVOA_L

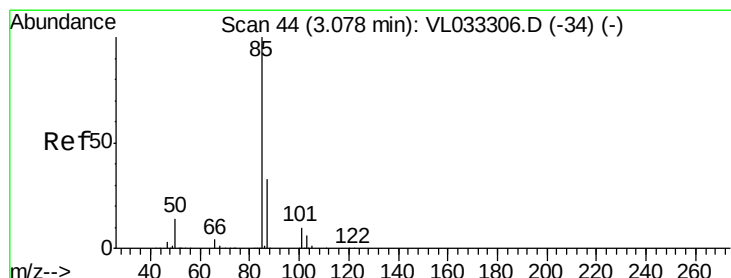
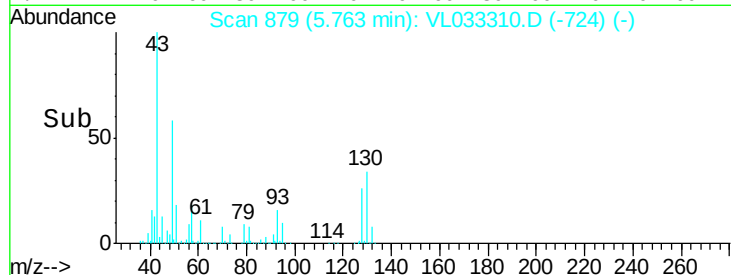
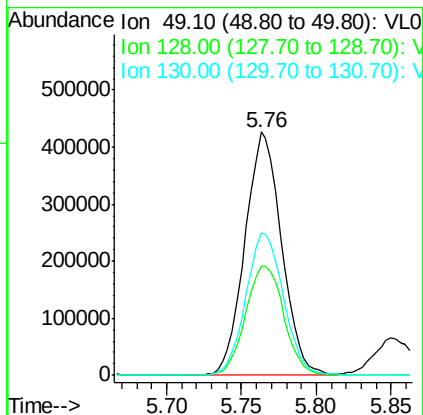
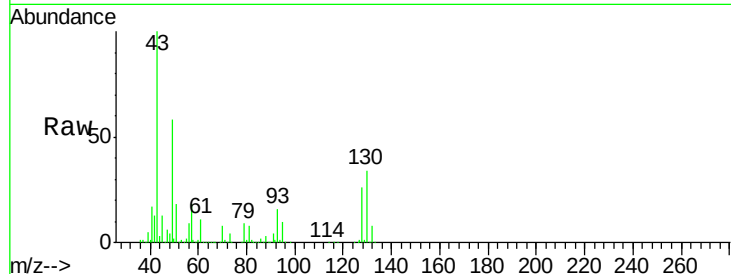
ClientSampleId :

VL0313ABS02

Tgt Ion:	49	Resp:	729006
Ion Ratio	Lower	Upper	
49	100		
128	47.2	23.4	70.3
130	60.3	29.9	89.7

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#2

Dichlorodifluoromethane

Concen: 10.869 ppbv

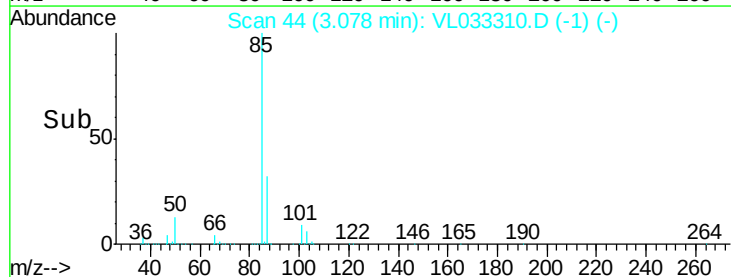
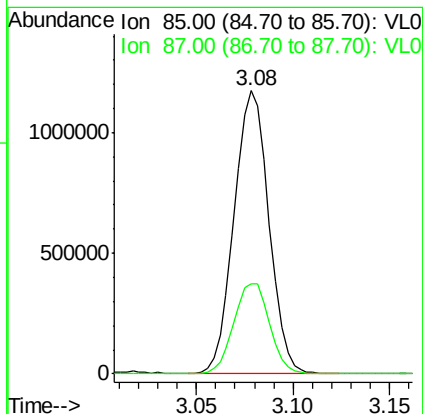
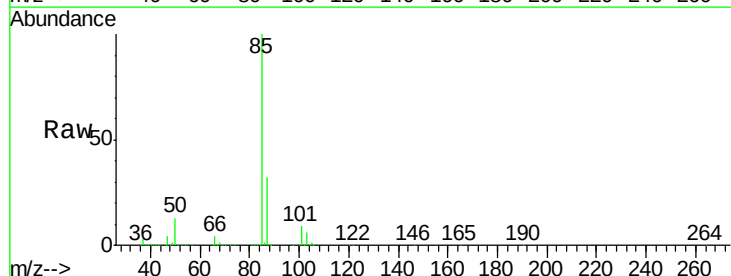
RT: 3.08 min Scan# 44

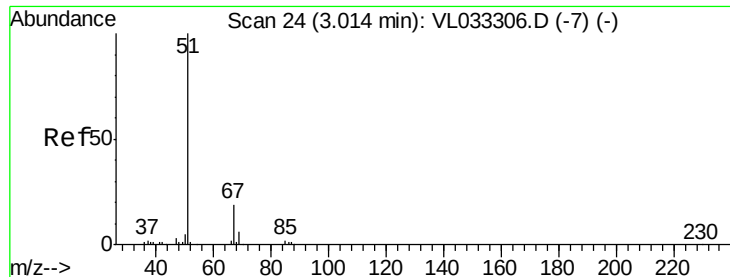
Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Tgt Ion:	85	Resp:	1466139
Ion Ratio	Lower	Upper	
85	100		
87	31.9	25.8	38.8





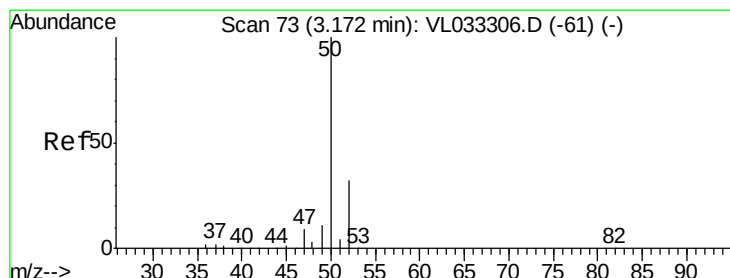
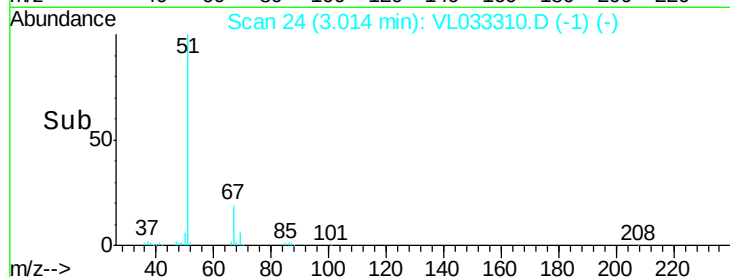
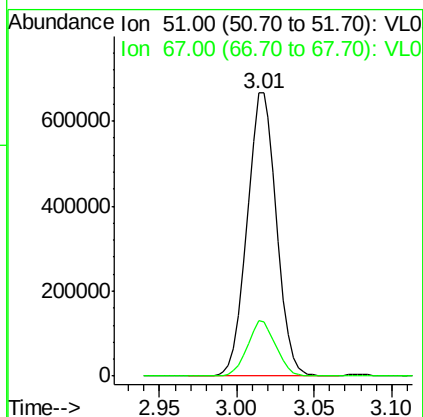
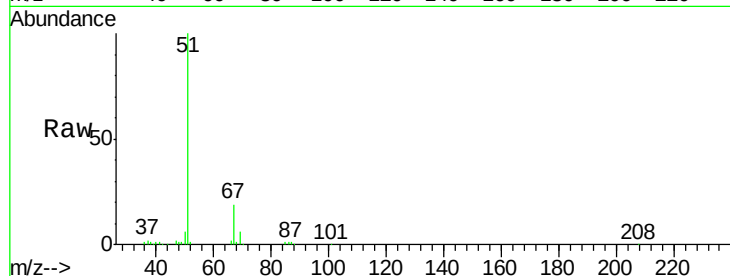
#3
Chlorodifluoromethane
Concen: 9.295 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS02

Tgt Ion: 51 Resp: 883894
Ion Ratio Lower Upper
51 100
67 18.8 14.9 22.3

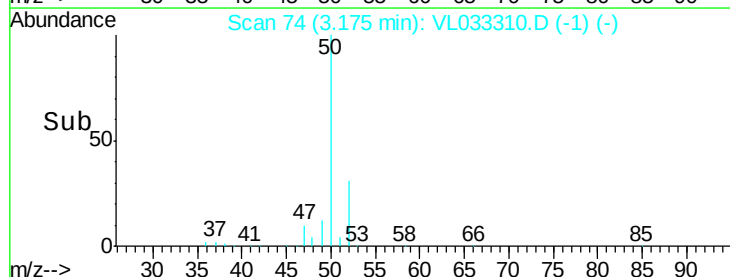
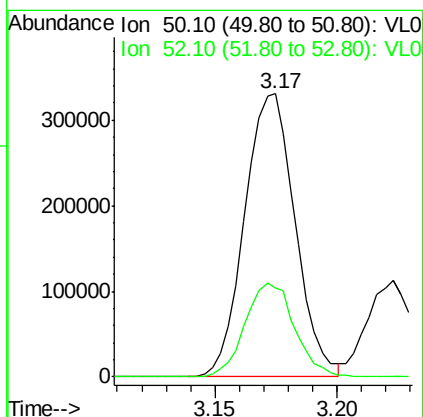
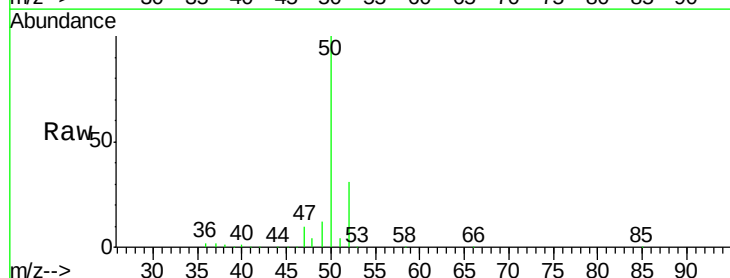
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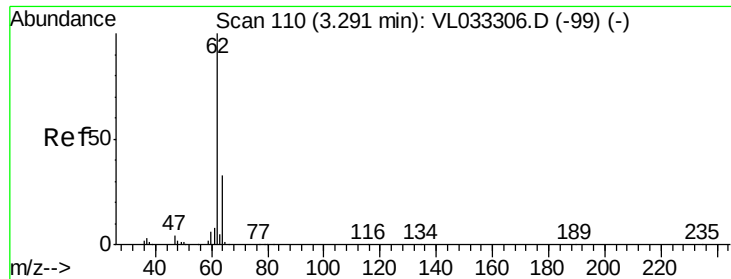
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#4
Chloromethane
Concen: 9.180 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.01 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Tgt Ion: 50 Resp: 472595
Ion Ratio Lower Upper
50 100
52 31.5 25.7 38.5





#5

Vinyl Chloride

Concen: 9.012 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS02

Tgt Ion: 62 Resp: 464422

Ion Ratio Lower Upper

62 100

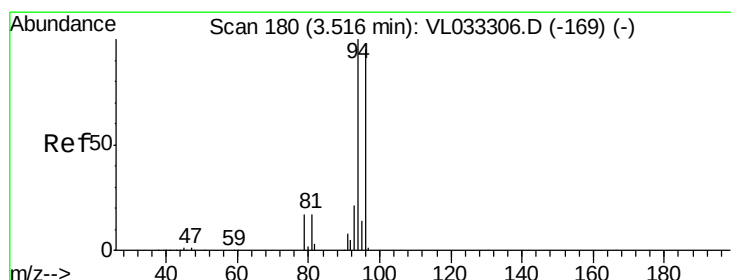
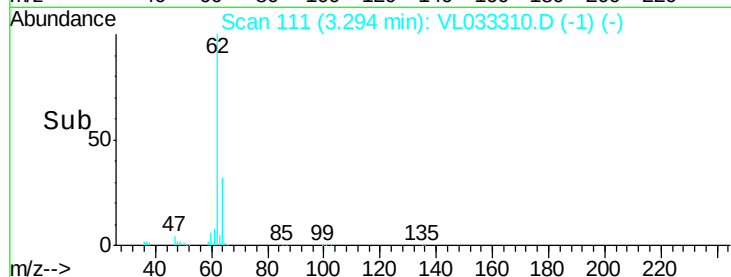
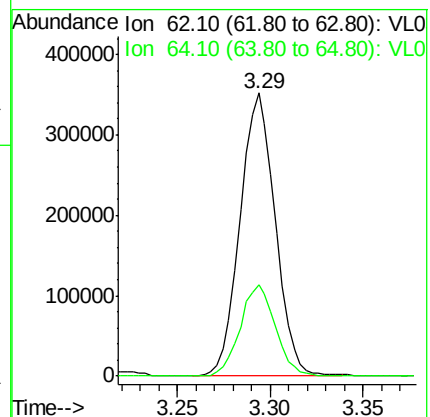
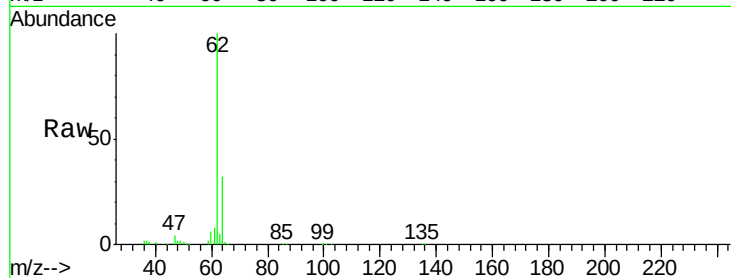
64 32.3 25.5 38.3

Manual Integrations

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#6

Bromomethane

Concen: 9.808 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033310.D

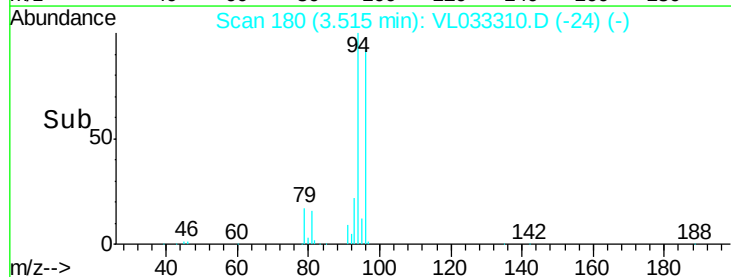
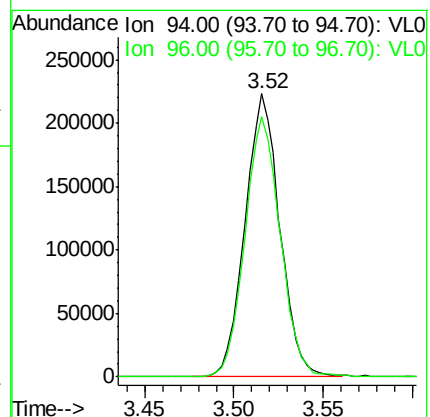
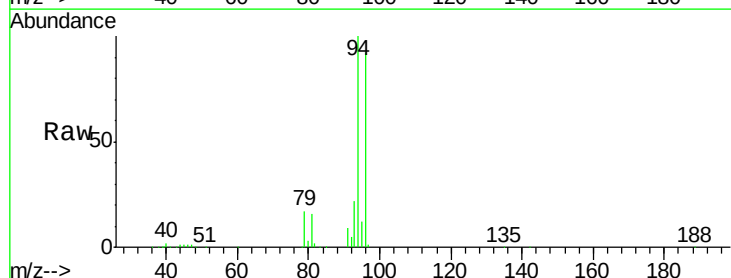
Acq: 14 Mar 2019 10:54

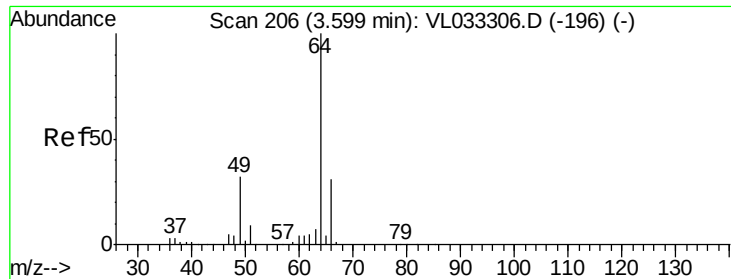
Tgt Ion: 94 Resp: 304330

Ion Ratio Lower Upper

94 100

96 91.9 76.2 114.4





#7

Chloroethane

Concen: 9.773 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS02

Tgt Ion: 64 Resp: 180334

Ion Ratio Lower Upper

64 100

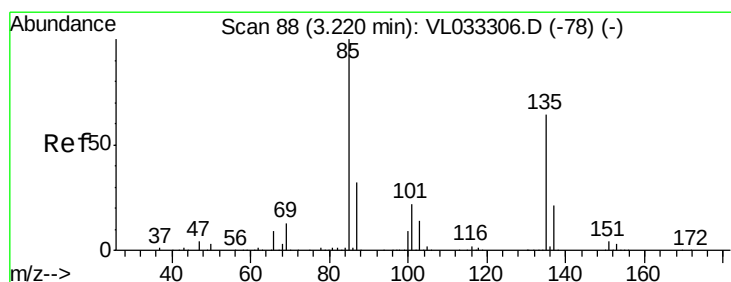
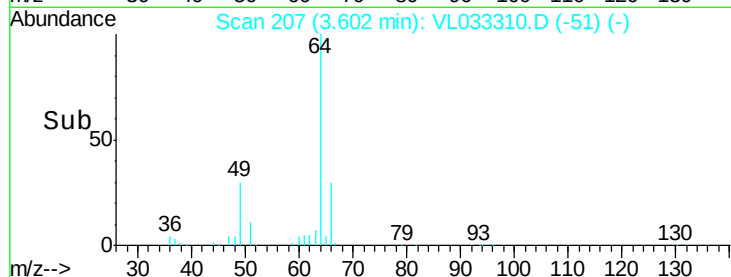
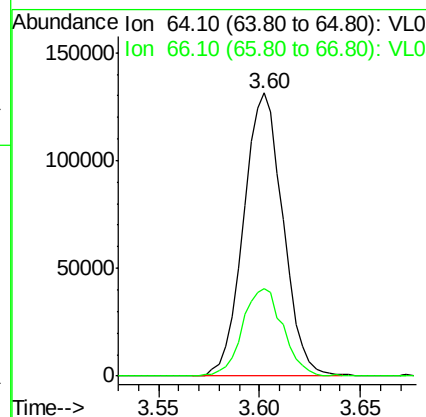
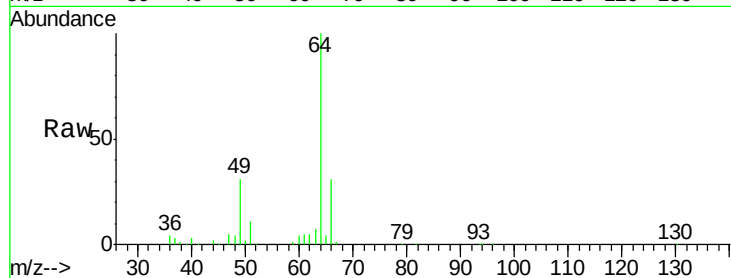
66 31.8 24.9 37.3

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.358 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL033310.D

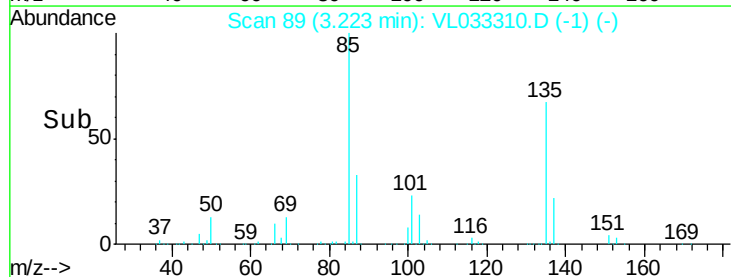
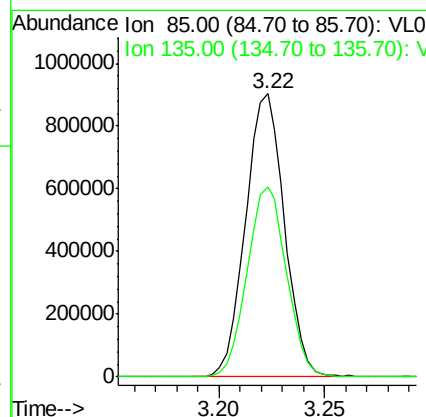
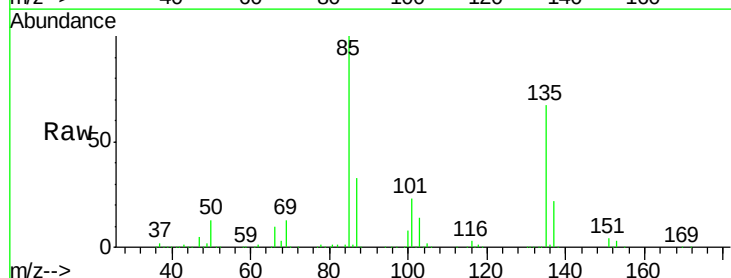
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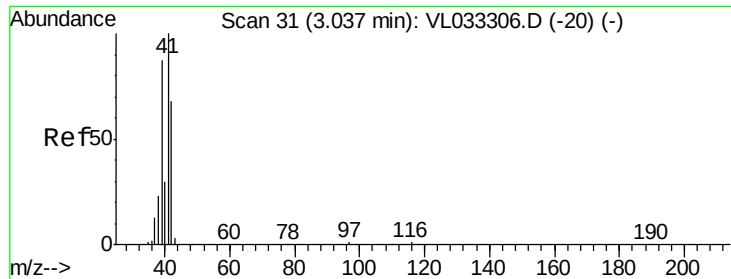
Tgt Ion: 85 Resp: 1152740

Ion Ratio Lower Upper

85 100

135 68.3 52.9 79.3





#9

Propene

Concen: 9.373 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS02

Tgt Ion: 41 Resp: 402231

Ion Ratio Lower Upper

41 100

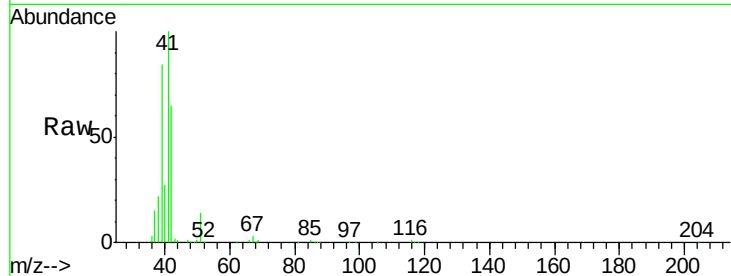
42 67.9 54.4 81.6

Manual Integrations

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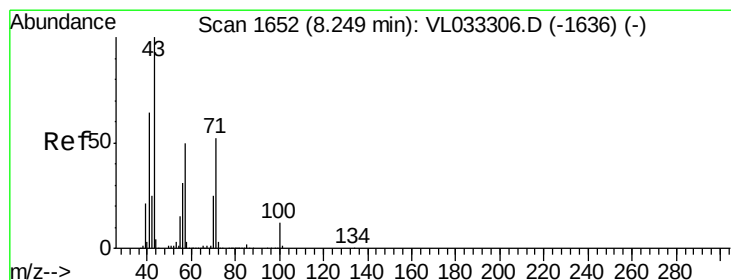
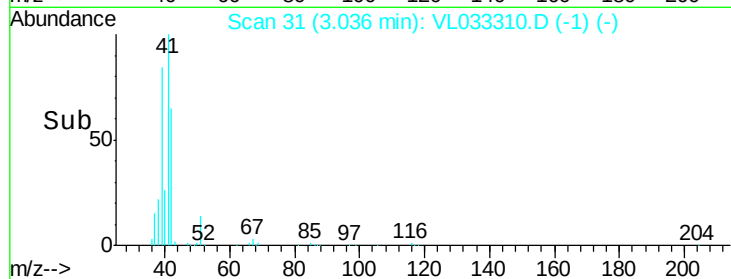
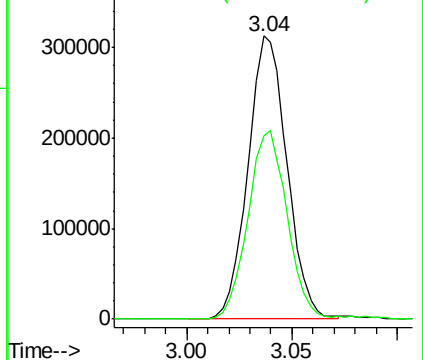
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3/15/2019 10:42:00 PM



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 11.320 ppbv

RT: 8.25 min Scan# 1653

Delta R.T. 0.01 min

Lab File: VL033310.D

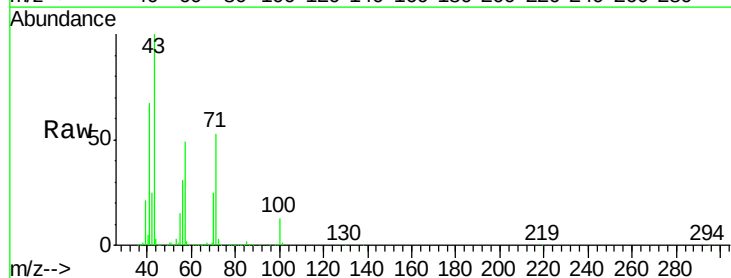
Acq: 14 Mar 2019 10:54

Tgt Ion: 43 Resp: 1187636

Ion Ratio Lower Upper

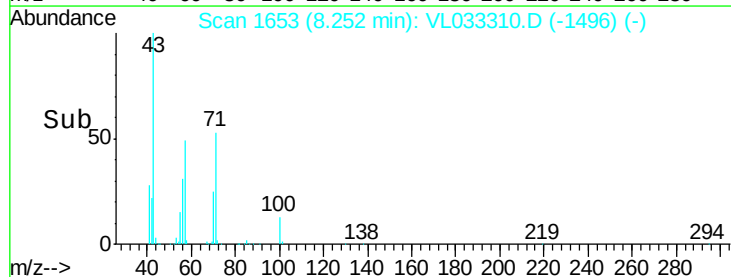
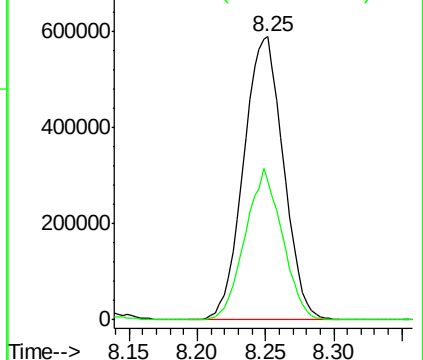
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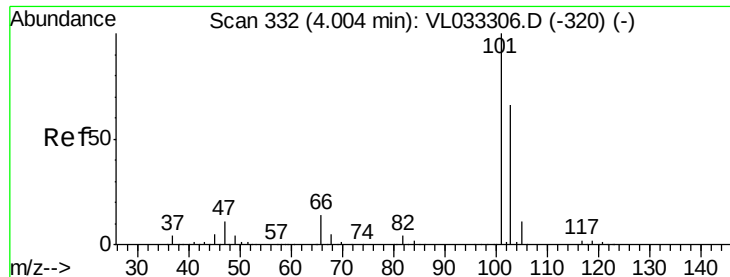
57 50.0 39.6 59.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





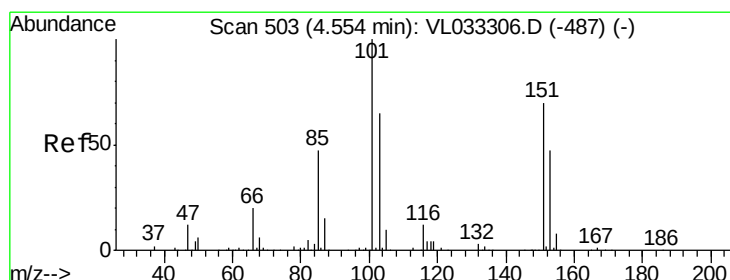
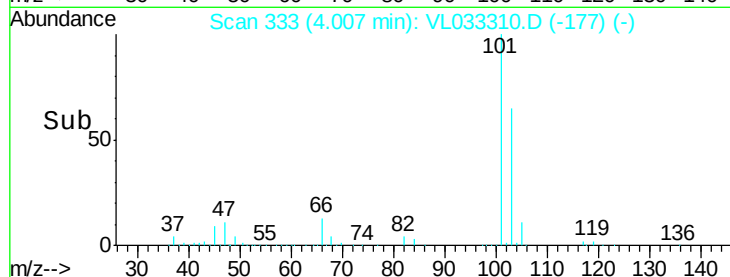
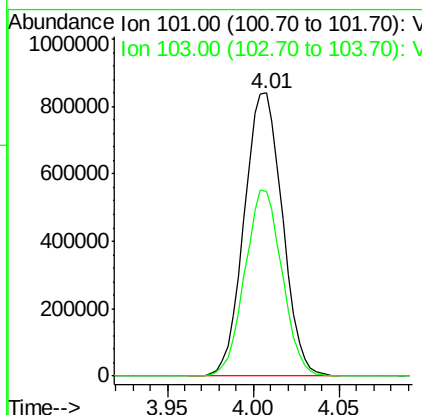
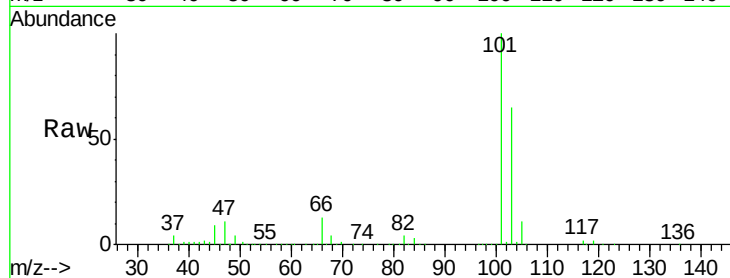
#11
 Trichlorofluoromethane
 Concen: 9.557 ppbv
 RT: 4.01 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS02

Tgt Ion:101 Resp: 1295301
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.5 78.7

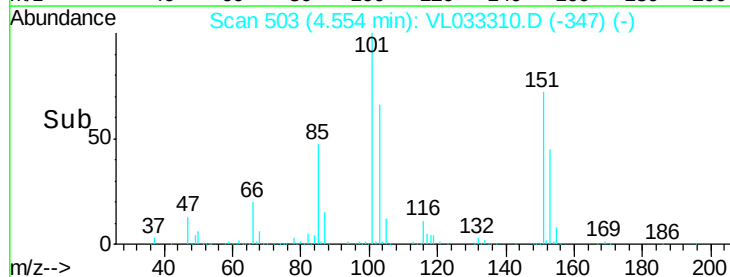
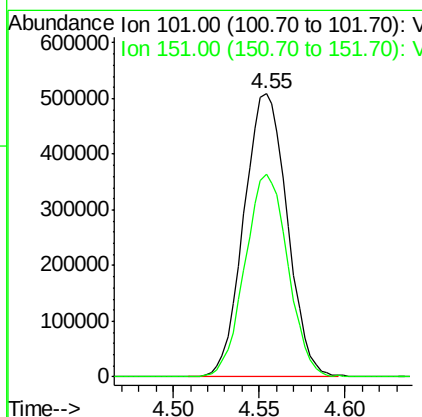
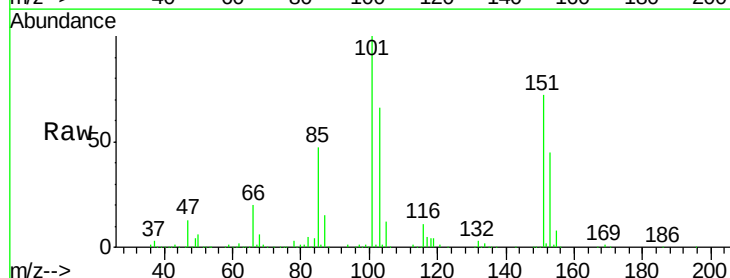
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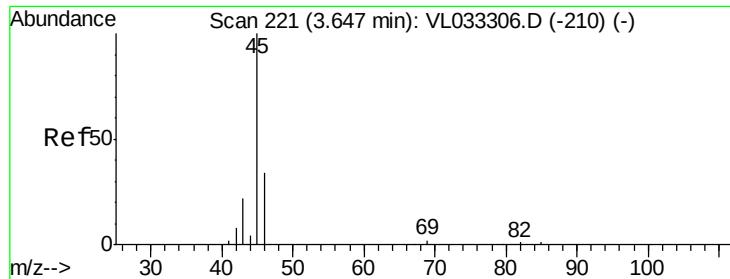
MMDadoda
 3/15/2019 10:42:00 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.734 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Tgt Ion:101 Resp: 889421
 Ion Ratio Lower Upper
 101 100
 151 71.0 57.2 85.8





#13

Ethanol

Concen: 7.154 ppbv

RT: 3.65 min Scan# 222

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS02

Tgt Ion: 45 Resp: 93976

Ion Ratio Lower Upper

45 100

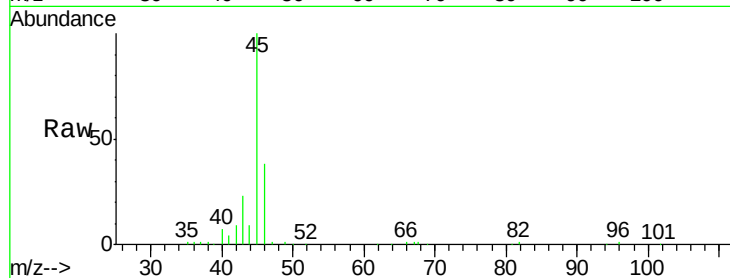
46 38.0 14.9 59.5

Manual Integrations

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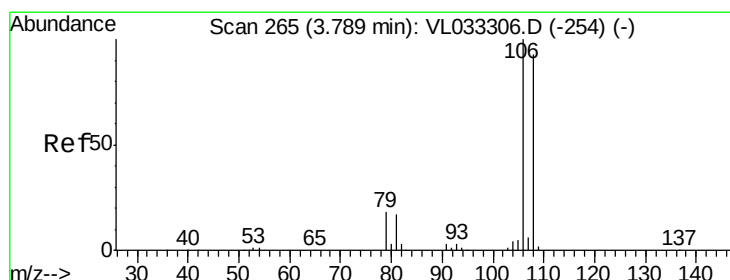
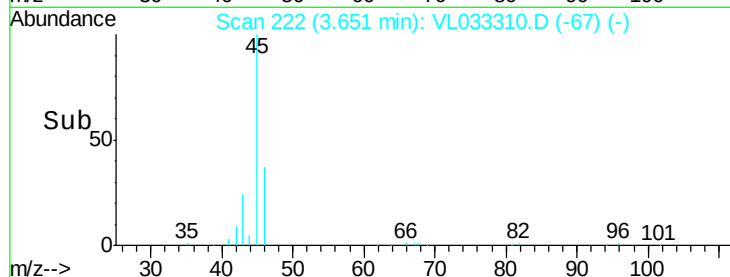
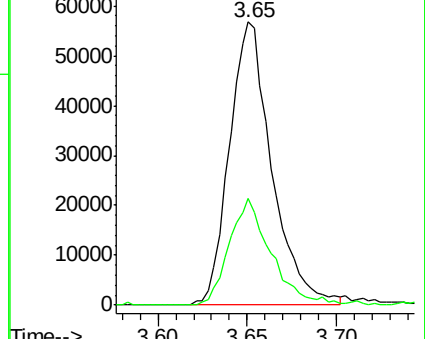
MMDadoda

3/15/2019 10:42:00 PM



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 10.041 ppbv

RT: 3.79 min Scan# 265

Delta R.T. 0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

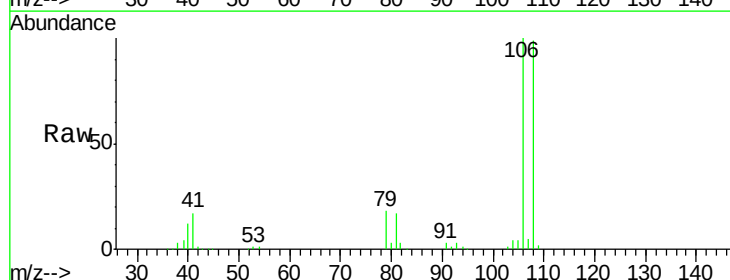
Tgt Ion: 108 Resp: 381361

Ion Ratio Lower Upper

108 100

106 107.2 85.1 127.7

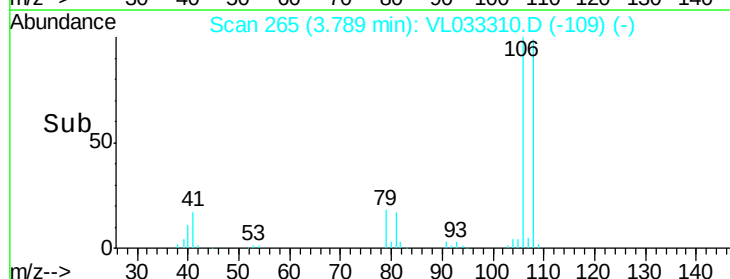
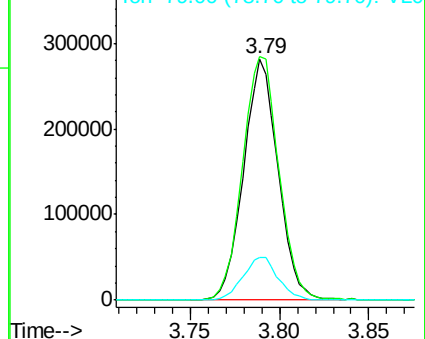
79 18.4 15.0 22.6

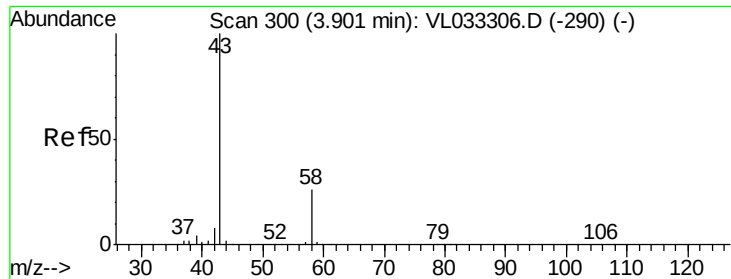


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.209 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS02

Tgt Ion: 43 Resp: 822837

Ion Ratio Lower Upper

43 100

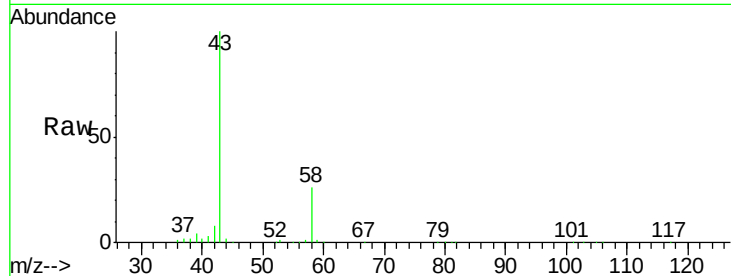
58 26.1 20.6 31.0

Manual Integrations

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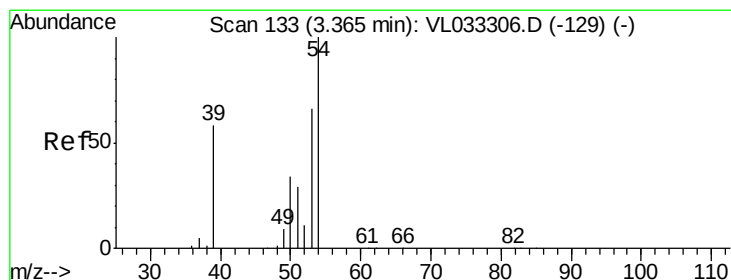
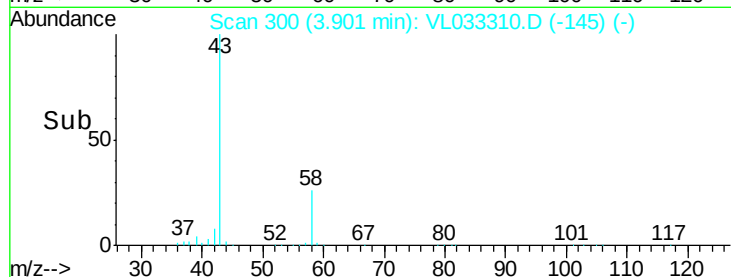
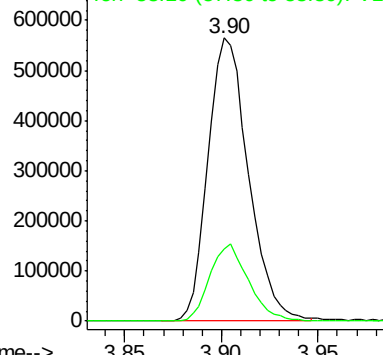
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 8.943 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL033310.D

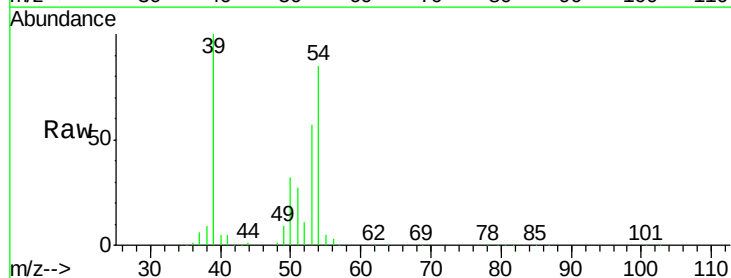
Acq: 14 Mar 2019 10:54

Tgt Ion: 39 Resp: 367042

Ion Ratio Lower Upper

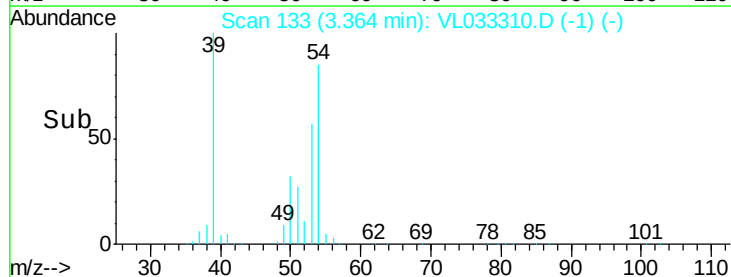
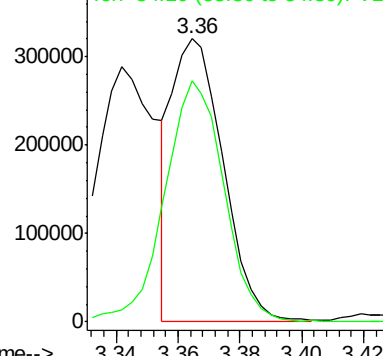
39 100

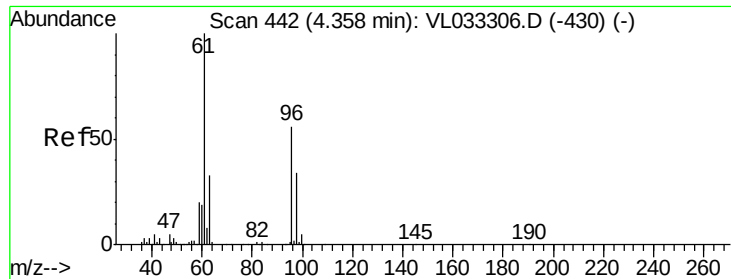
54 99.9 68.4 102.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

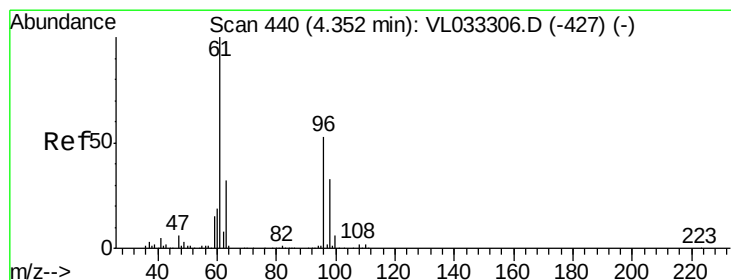
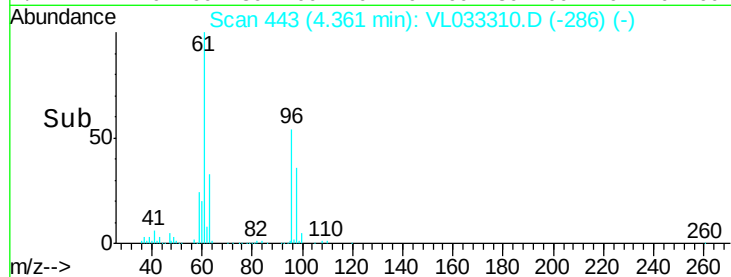
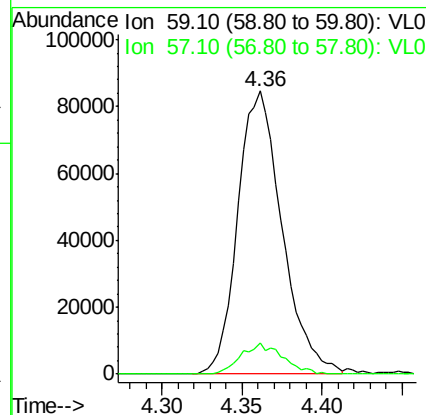
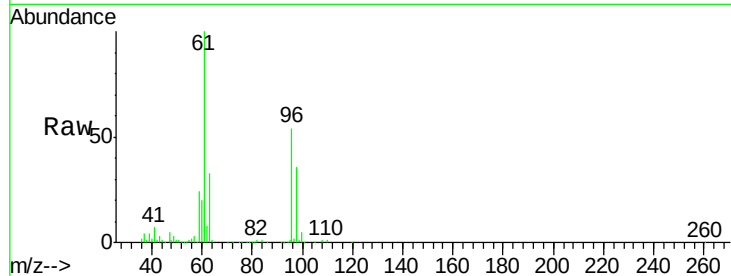
tert-Butyl alcohol
Concen: 9.125 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.01 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS02

Tgt Ion: 59 Resp: 159534
Ion Ratio Lower Upper
59 100
57 10.4 7.4 11.2

Manual Integrations
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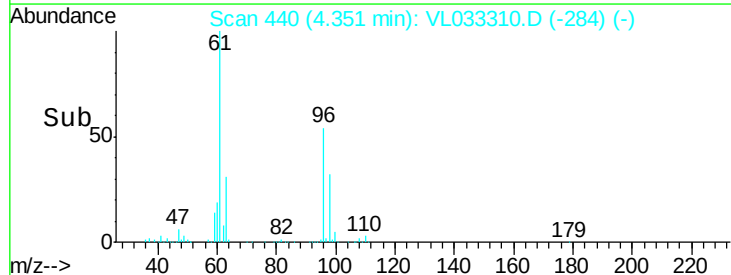
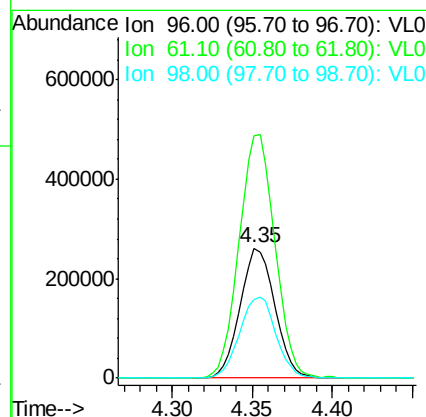
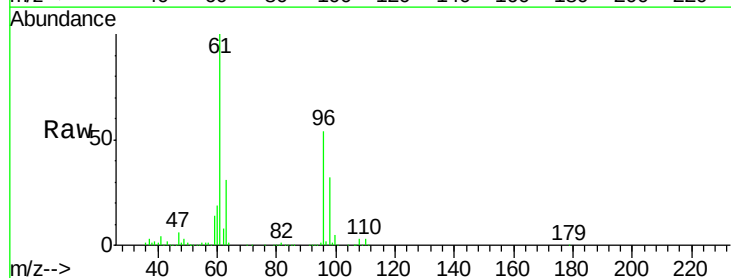
MMDadoda
3/15/2019 10:42:00 PM

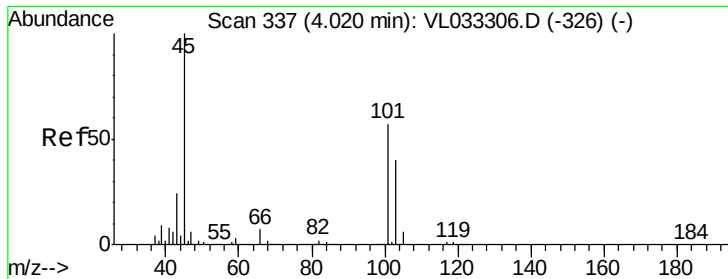


#18

1,1-Dichloroethene
Concen: 9.578 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Tgt Ion: 96 Resp: 386531
Ion Ratio Lower Upper
96 100
61 185.6 152.3 228.5
98 60.2 48.6 72.8





#19

Isopropyl Alcohol

Concen: 9.075 ppbv

RT: 4.02 min Scan# 338

Delta R.T. 0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
45	100		
58	1.8	1.4	2.0

Instrument :

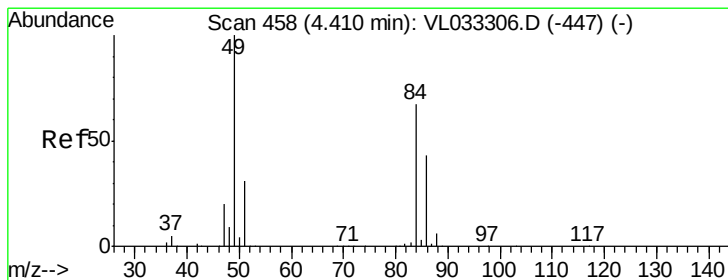
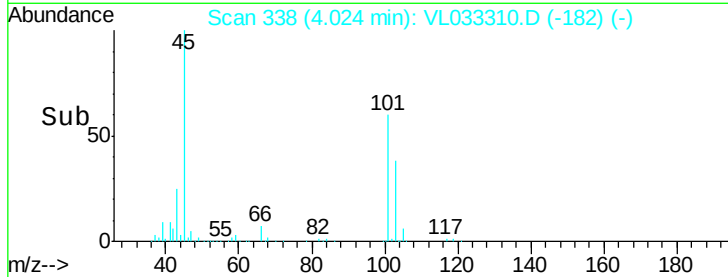
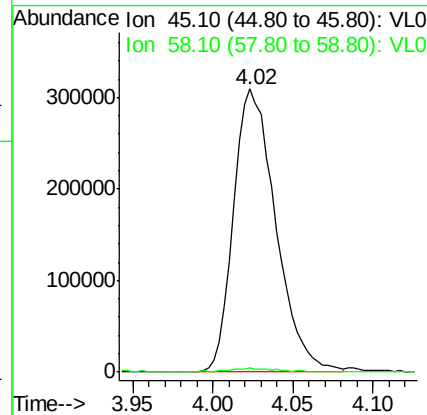
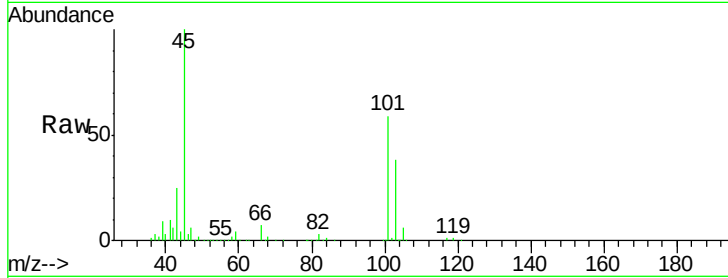
MSVOA_L

ClientSampleId :

VL0313ABS02

Manual Integrations
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MMDadoda
3/15/2019 10:42:00 PM



#20

Methylene Chloride

Concen: 8.283 ppbv

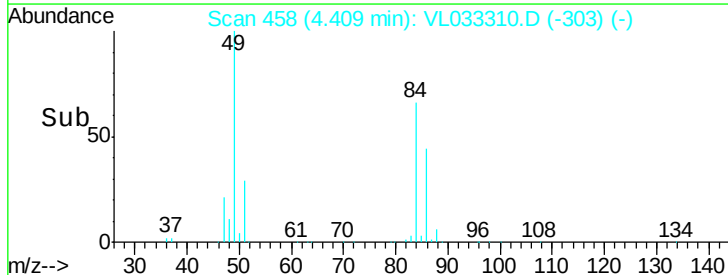
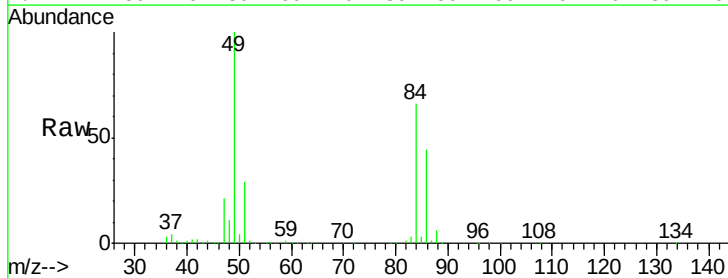
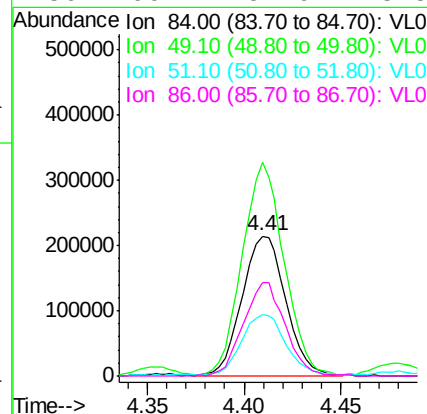
RT: 4.41 min Scan# 458

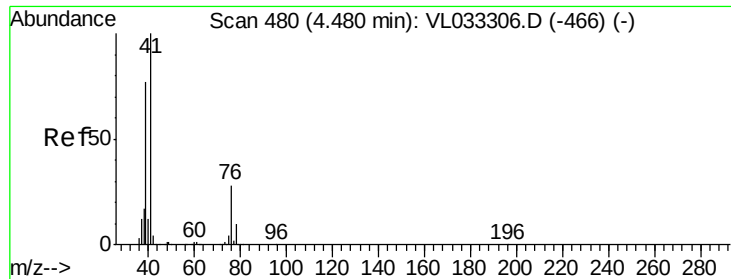
Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	151.8	115.4	173.2
51	43.6	35.7	53.5
86	66.7	52.6	78.8





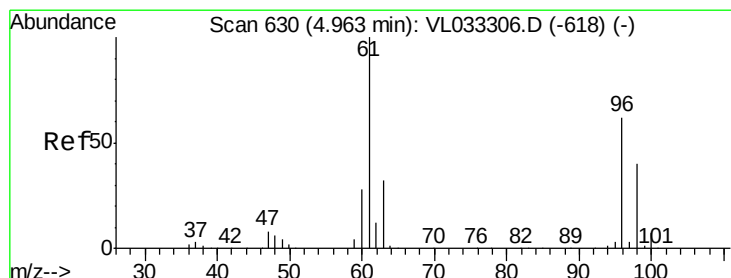
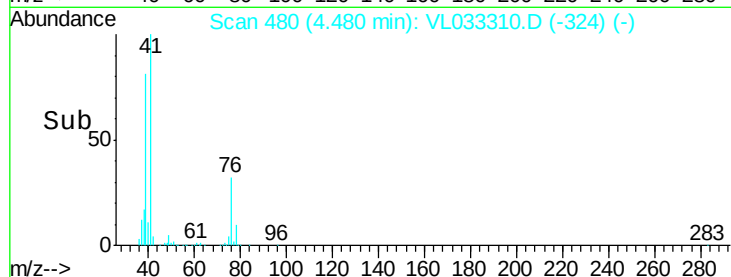
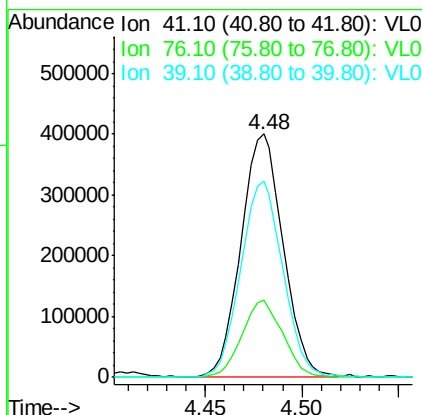
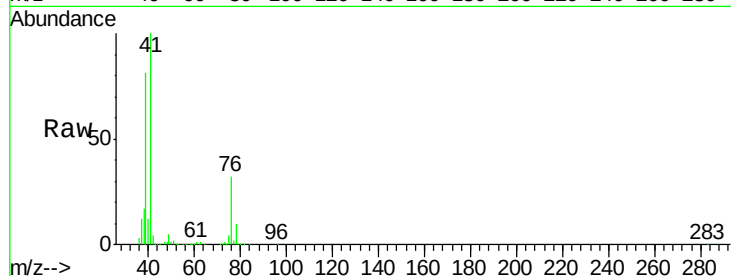
#21
 Allyl Chloride
 Concen: 10.050 ppbv
 RT: 4.48 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS02

Tgt Ion	Ratio	Lower	Upper
41	100		
76	30.6	24.3	36.5
39	81.0	64.4	96.6

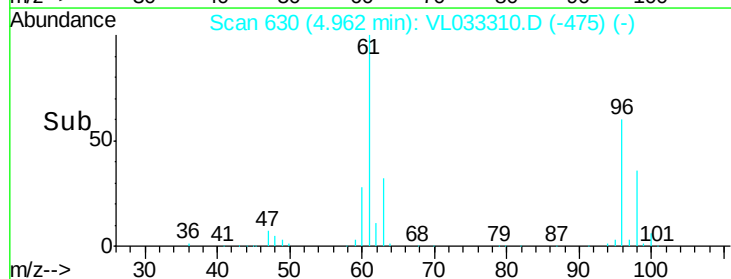
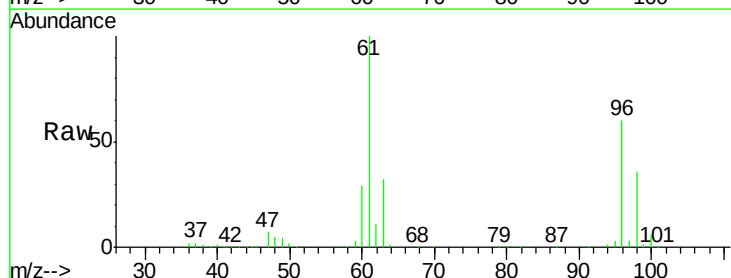
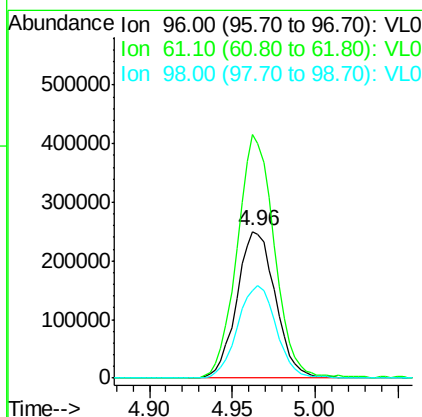
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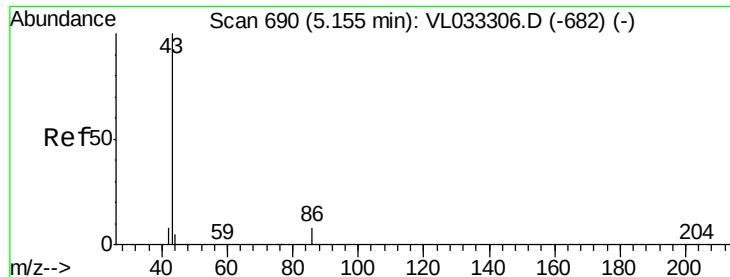
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 3/15/2019 10:42:00 PM



#22
 trans-1,2-Dichloroethene
 Concen: 9.935 ppbv
 RT: 4.96 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.0	132.7	199.1
98	59.4	52.4	78.6





#23

Vinyl Acetate

Concen: 10.001 ppbv

RT: 5.16 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS02

Tgt Ion: 43 Resp: 1455370

Ion Ratio Lower Upper

43 100

86 7.1 5.8 8.8

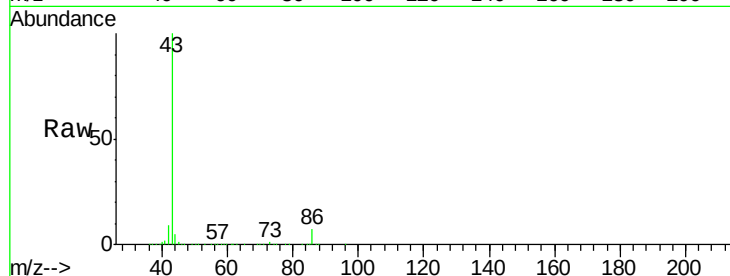
42 9.1 7.8 11.8

44 4.9 4.1 6.1

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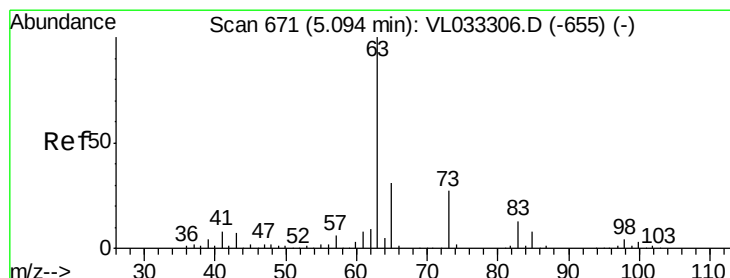
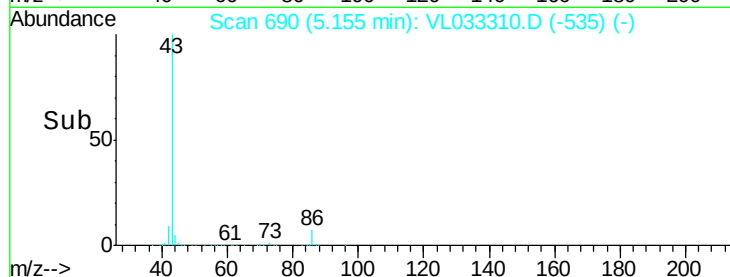
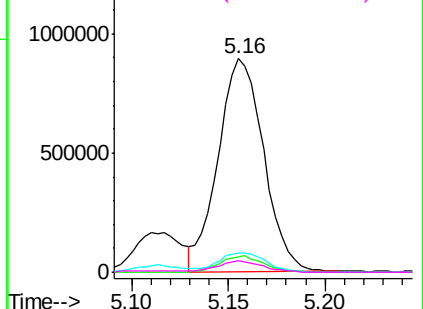


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.596 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

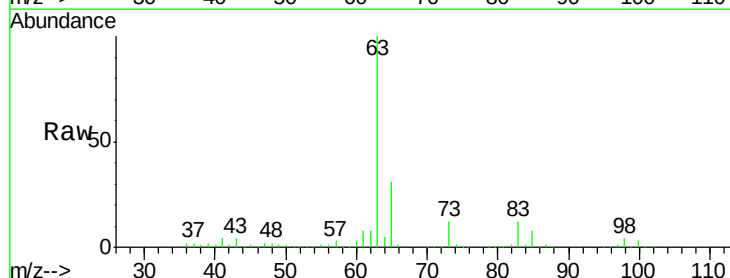
Tgt Ion: 63 Resp: 1010229

Ion Ratio Lower Upper

63 100

98 4.1 2.3 6.8

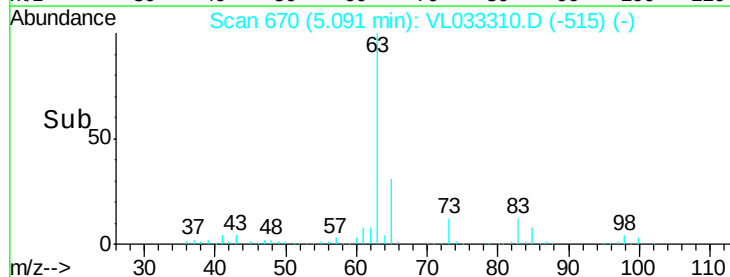
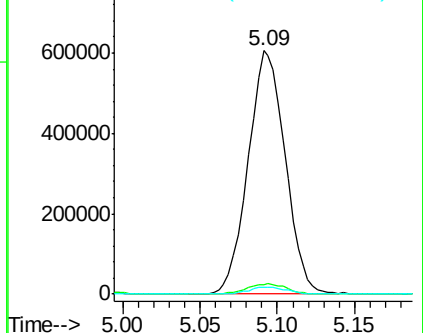
100 2.7 1.3 3.8

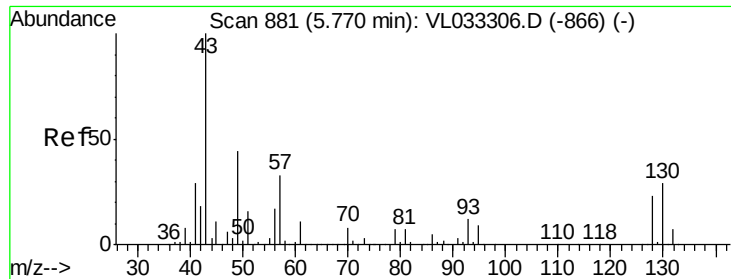


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





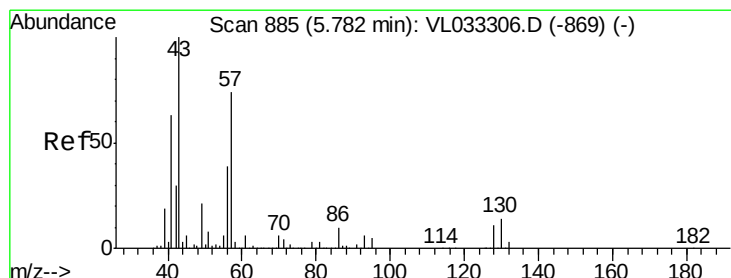
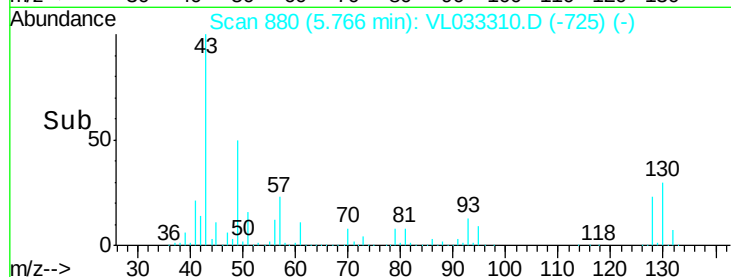
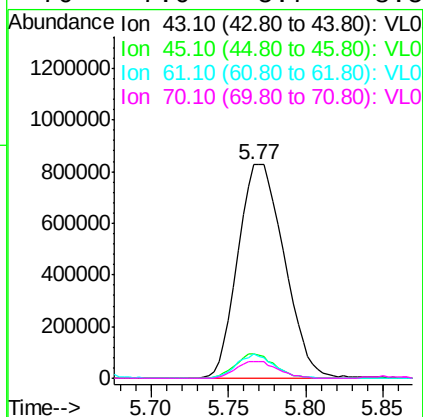
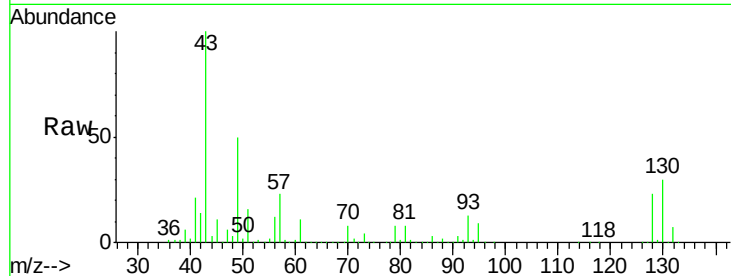
#25
Ethyl Acetate
Concen: 9.441 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS02

Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.0	12.0
61	9.4	7.5	11.3
70	7.0	5.7	8.5

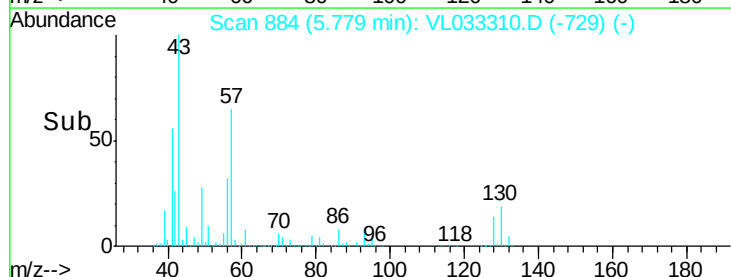
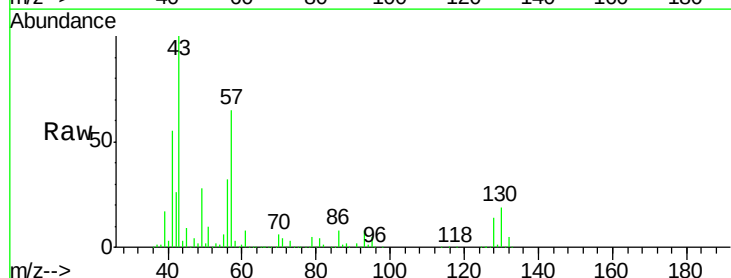
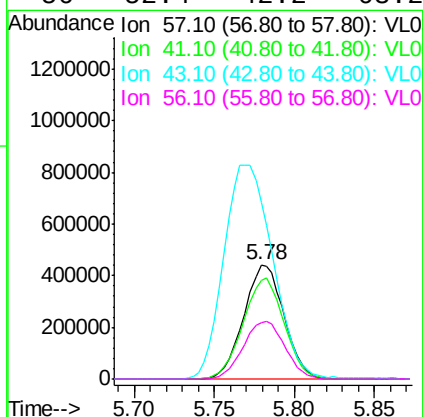
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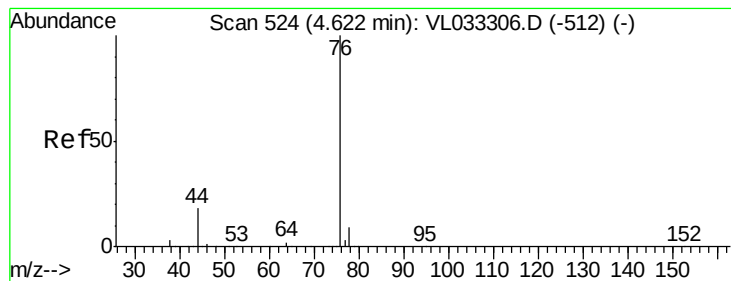
MMDadoda
3/15/2019 10:42:00 PM



#26
Hexane
Concen: 8.925 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
57	100		
41	89.9	71.6	107.4
43	229.2	179.2	268.8
56	52.4	42.2	63.2





#27

Carbon Disulfide

Concen: 10.902 ppbv

RT: 4.62 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

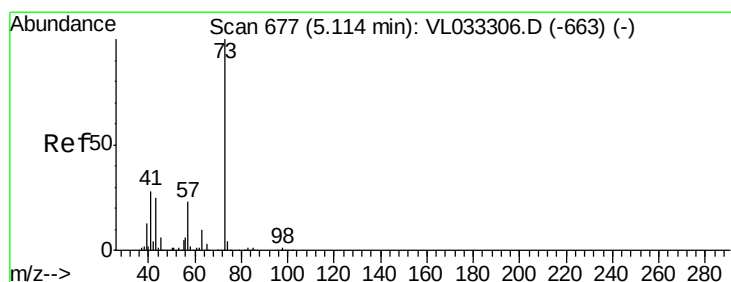
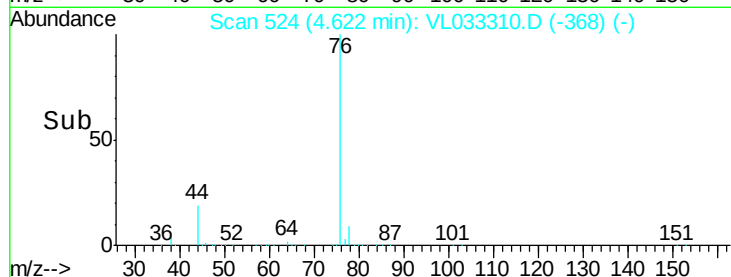
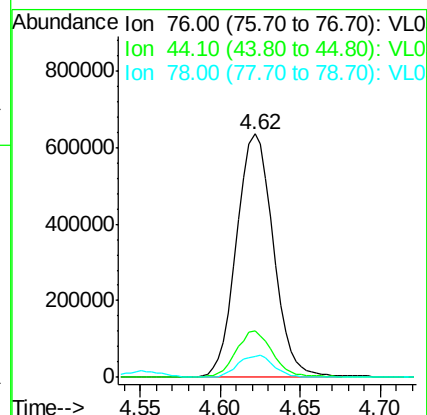
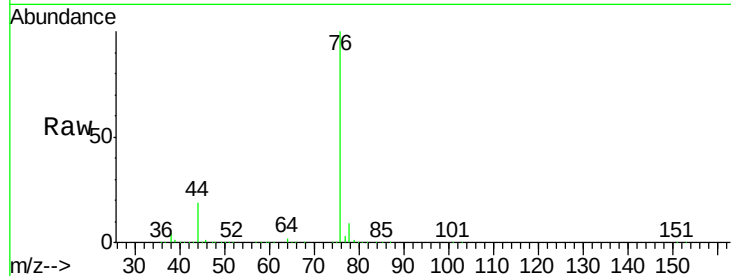
ClientSampleId :

VL0313ABS02

Tgt Ion:	76	Resp:	994736
Ion	Ratio	Lower	Upper
76	100		
44	18.5	14.7	22.1
78	9.2	7.3	10.9

Manual Integrations
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MMDadoda
3/15/2019 10:42:00 PM



#28

Methyl tert-Butyl Ether

Concen: 9.845 ppbv

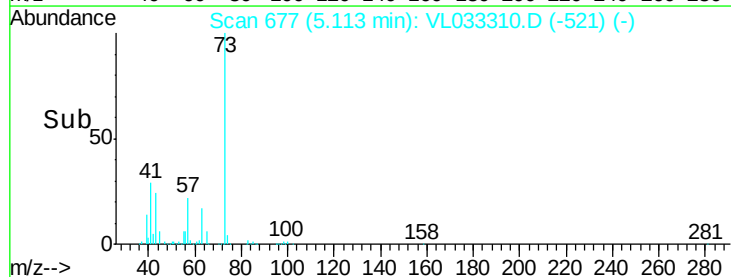
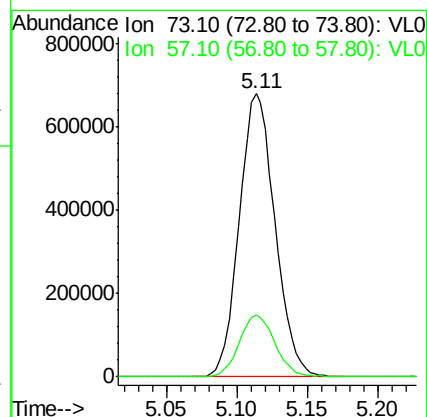
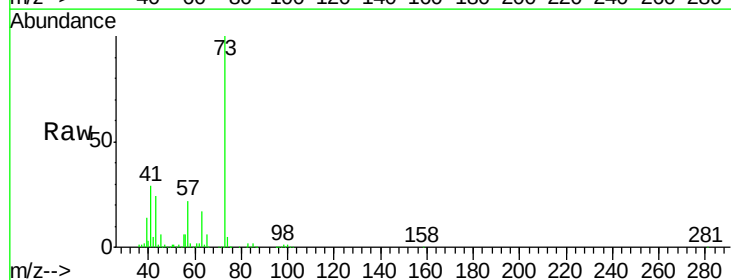
RT: 5.11 min Scan# 677

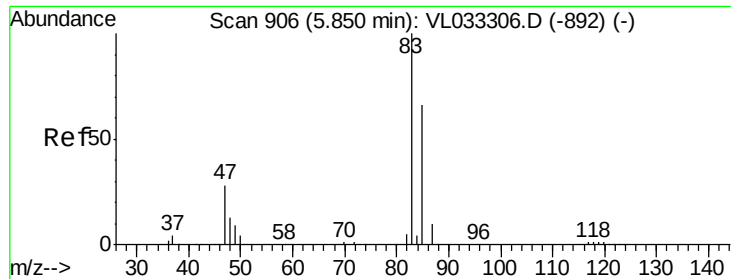
Delta R.T. 0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Tgt Ion:	73	Resp:	1207475
Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.0





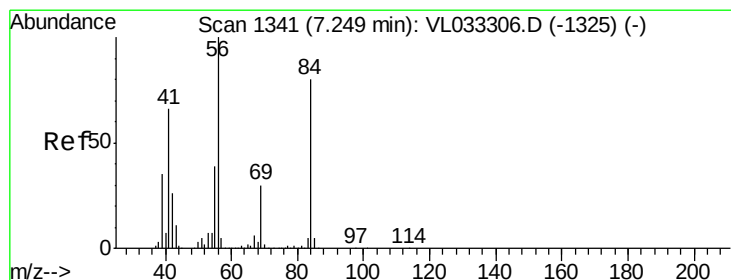
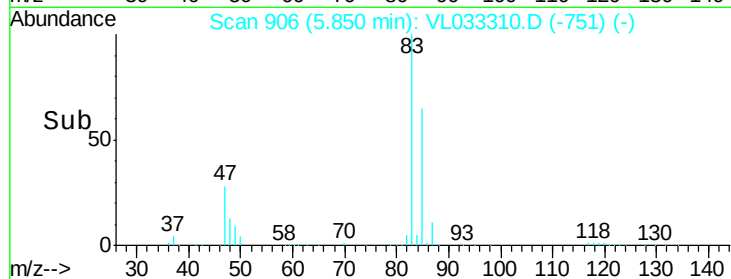
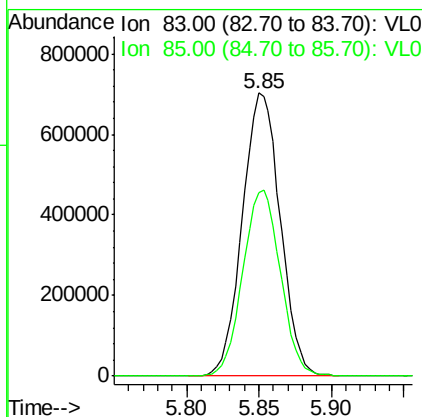
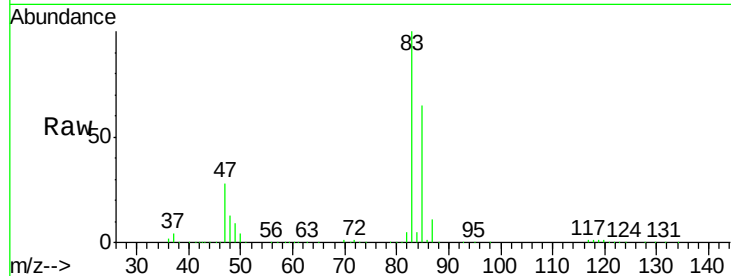
#29
Chloroform
Concen: 9.646 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS02

Tgt Ion: 83 Resp: 1279328
Ion Ratio Lower Upper
83 100
85 64.6 52.2 78.4

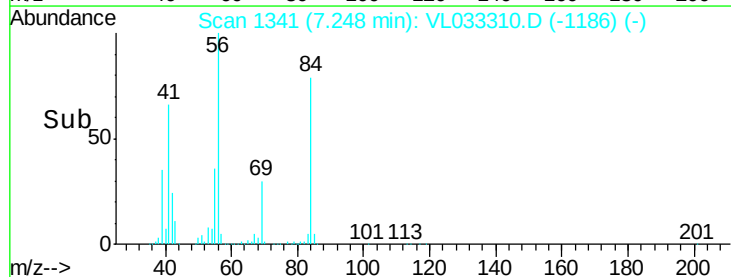
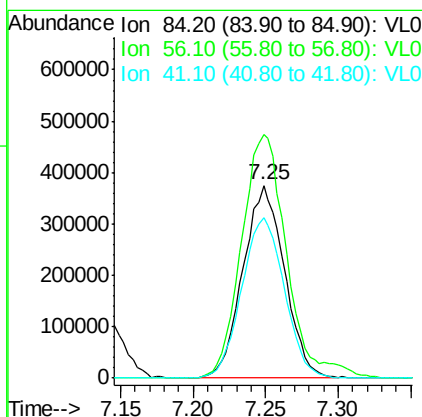
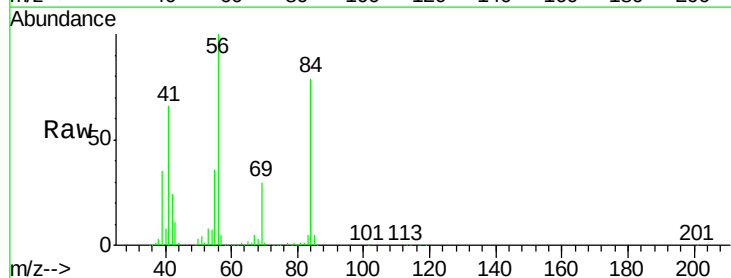
Manual Integrations
APPROVED

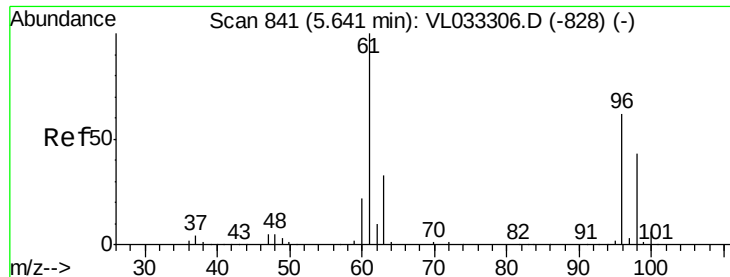
MMDadoda
3/15/2019 10:42:00 PM



#30
Cyclohexane
Concen: 11.239 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Tgt Ion: 84 Resp: 744387
Ion Ratio Lower Upper
84 100
56 138.3 109.8 164.8
41 86.0 68.1 102.1





#31

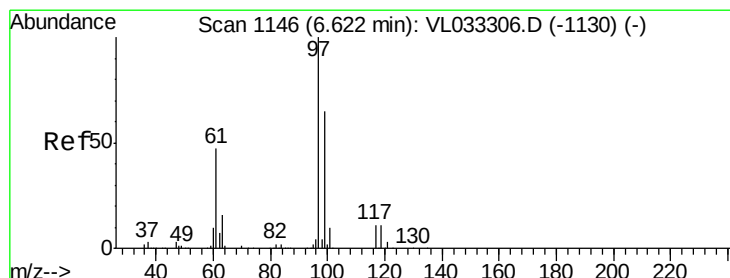
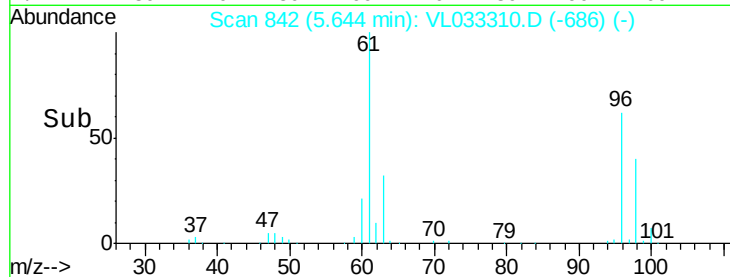
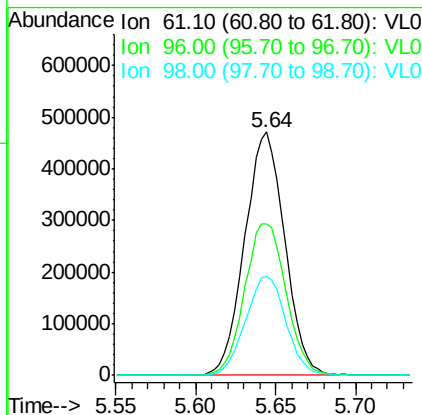
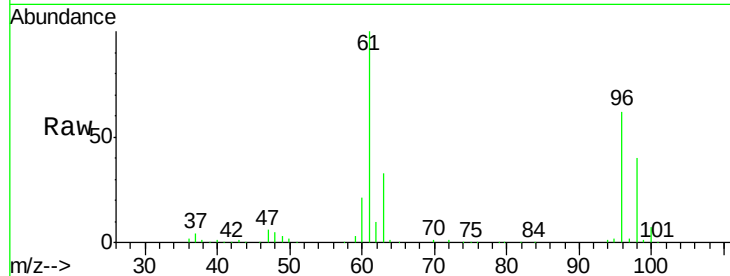
cis-1,2-Dichloroethene
 Concen: 9.838 ppbv
 RT: 5.64 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS02

Tgt Ion	Ratio	Lower	Upper
61	100		
96	62.2	51.8	77.6
98	40.5	32.3	48.5

Manual Integrations
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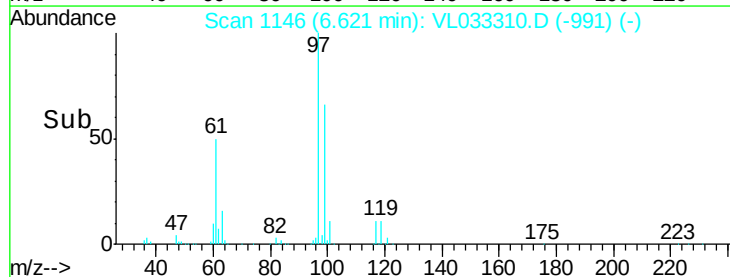
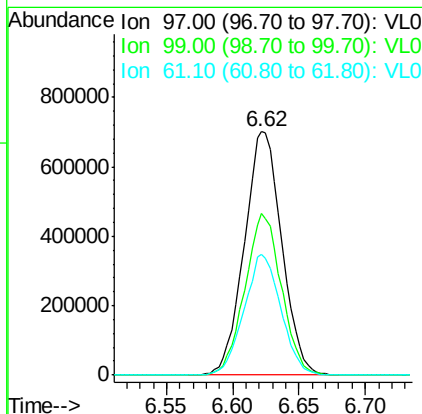
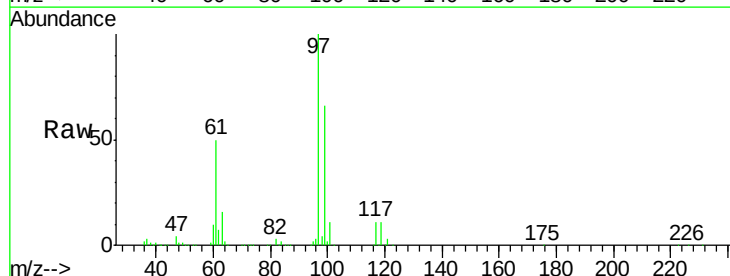
MMDadoda
 3/15/2019 10:42:00 PM

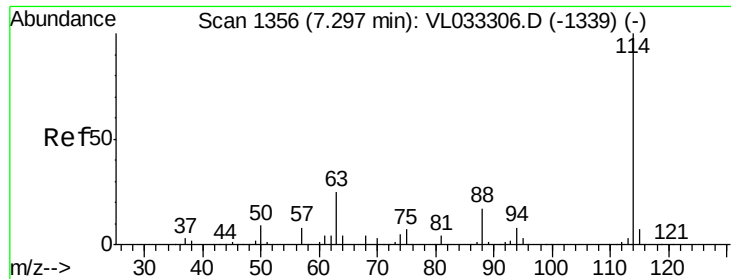


#32

1,1,1-Trichloroethane
 Concen: 10.672 ppbv
 RT: 6.62 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.6	77.4
61	49.1	39.4	59.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.30 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS02

Tgt Ion: 114 Resp: 1972856

Ion Ratio Lower Upper

114 100

63 26.9 21.3 31.9

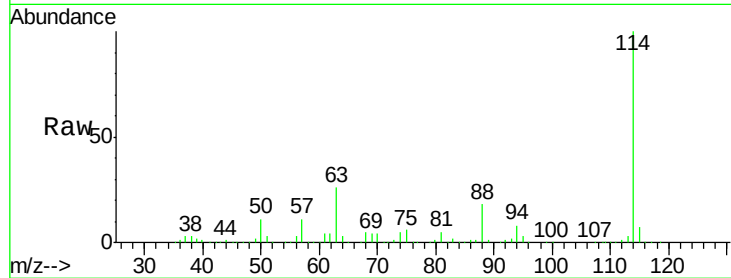
88 18.2 14.5 21.7

Manual Integrations

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MMDadoda

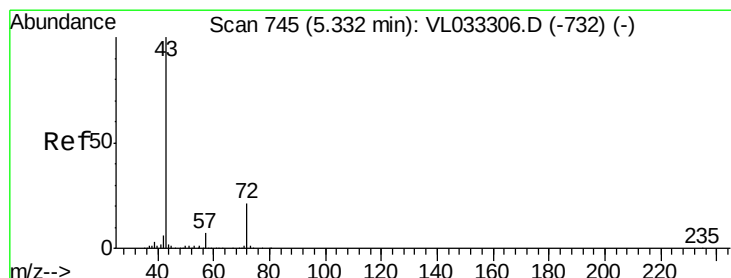
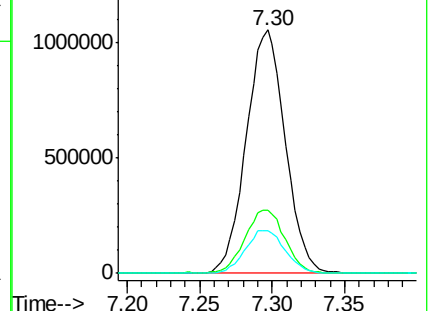
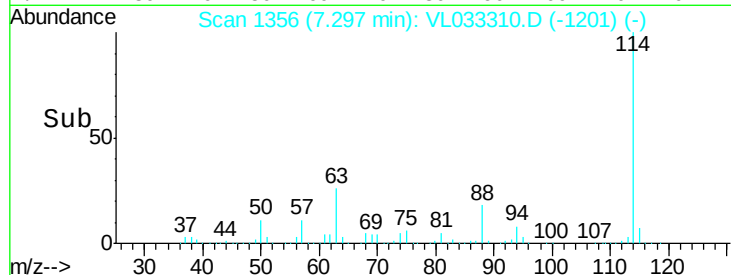
3/15/2019 10:42:00 PM



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 8.334 ppbv

RT: 5.33 min Scan# 744

Delta R.T. -0.00 min

Lab File: VL033310.D

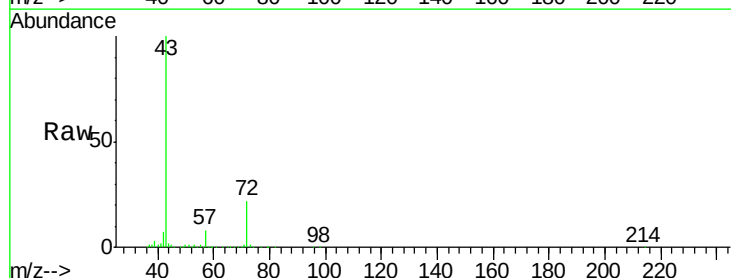
Acq: 14 Mar 2019 10:54

Tgt Ion: 43 Resp: 1136770

Ion Ratio Lower Upper

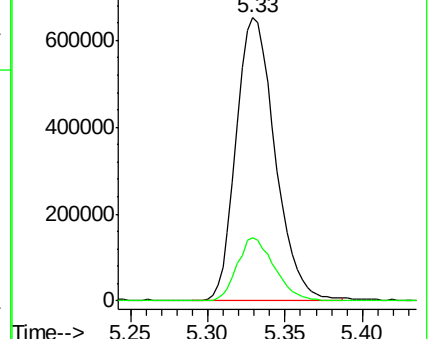
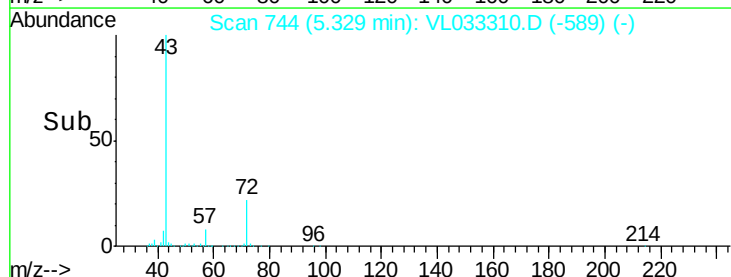
43 100

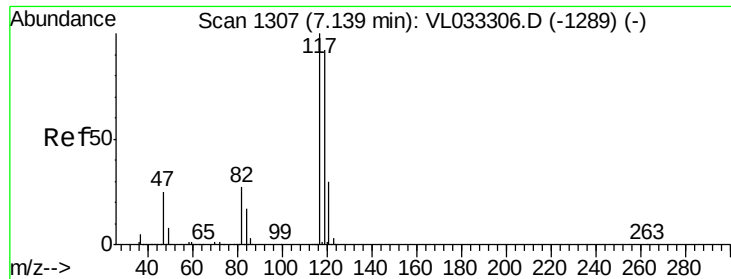
72 21.6 17.2 25.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





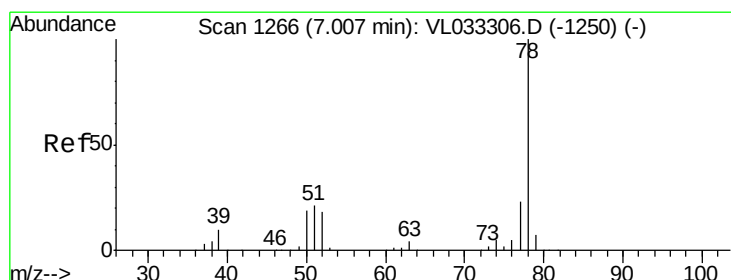
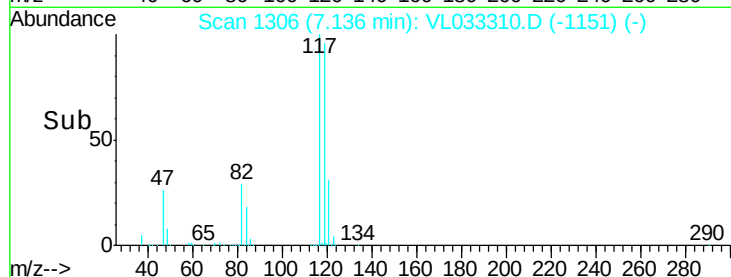
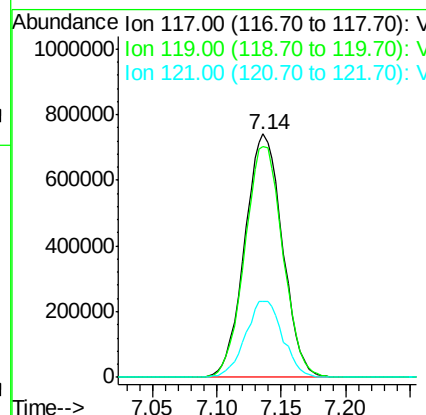
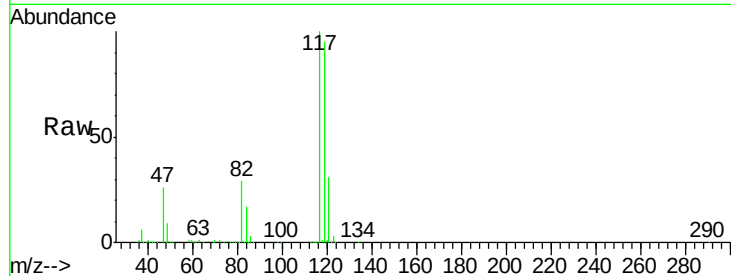
#35
 Carbon Tetrachloride
 Concen: 9.918 ppbv
 RT: 7.14 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS02

Tgt Ion: 117 Resp: 1504090
 Ion Ratio Lower Upper
 117 100
 119 95.0 75.9 113.9
 121 31.4 25.2 37.8

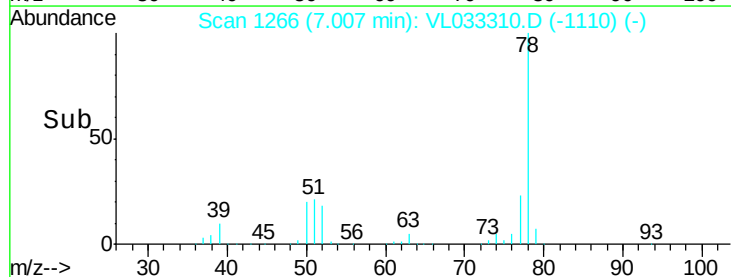
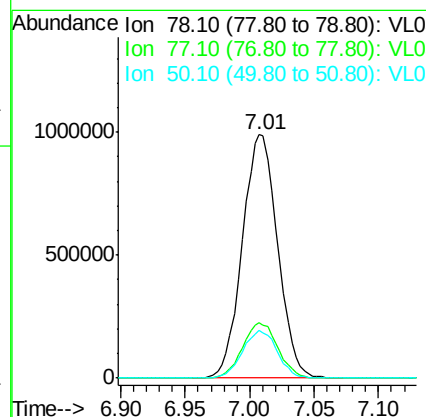
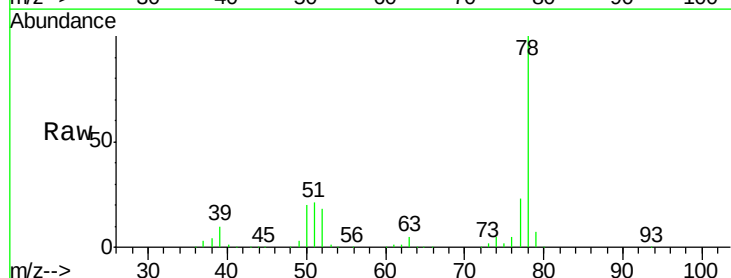
Manual Integrations
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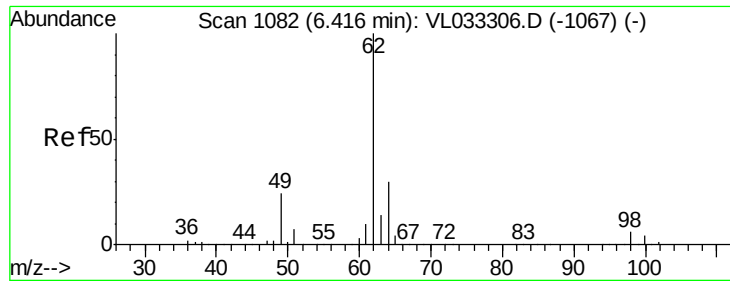
MMDadoda
 3/15/2019 10:42:00 PM



#36
 Benzene
 Concen: 9.697 ppbv
 RT: 7.01 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Tgt Ion: 78 Resp: 1878901
 Ion Ratio Lower Upper
 78 100
 77 22.6 18.6 28.0
 50 19.6 15.2 22.8





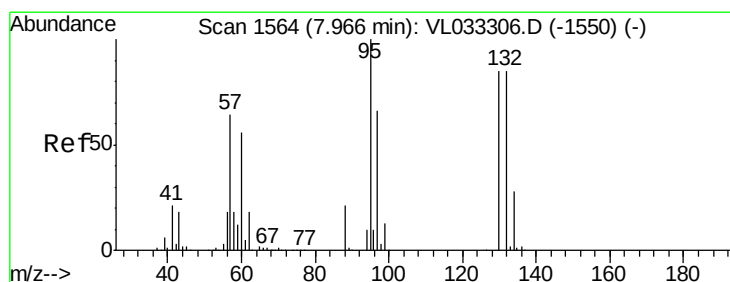
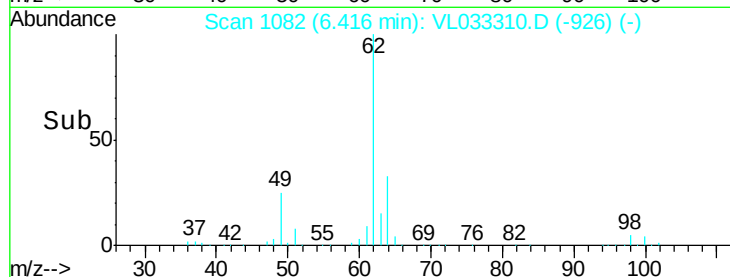
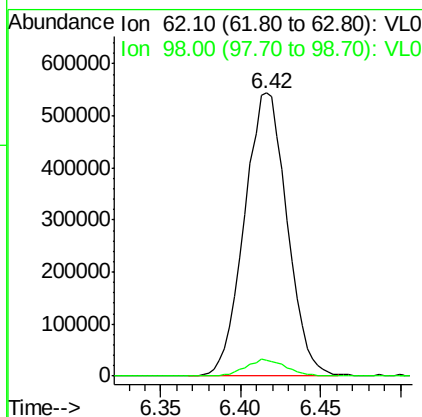
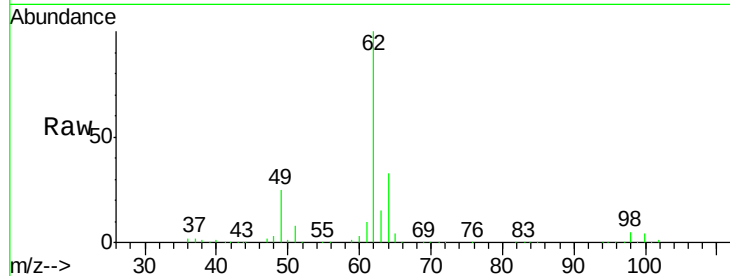
#37
 1,2-Dichloroethane
 Concen: 8.578 ppbv
 RT: 6.42 min Scan# 1082
 Delta R.T. 0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS02

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	992837		
98	5.7	4.4	6.6	

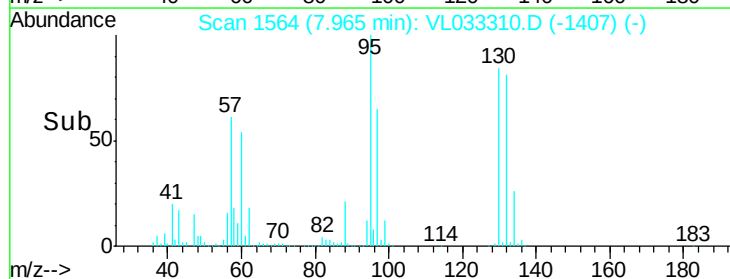
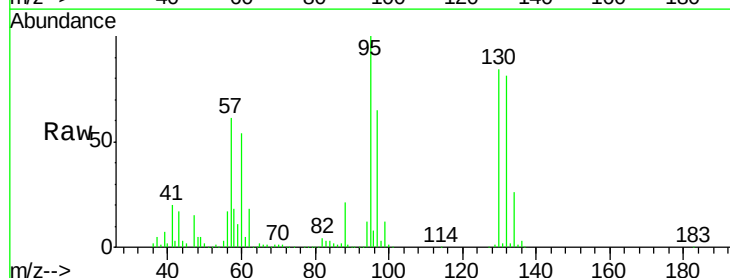
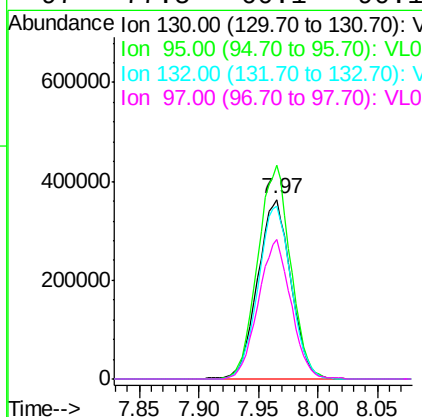
Manual Integrations
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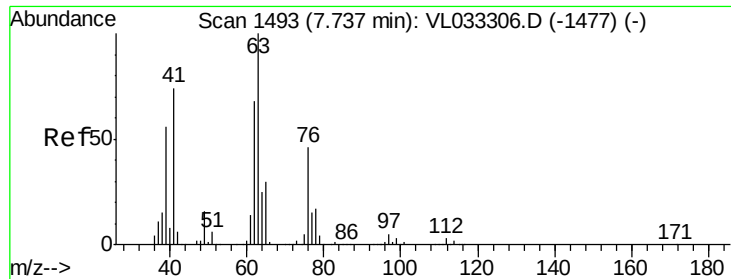
MMDadoda
 3/15/2019 10:42:00 PM



#38
 Trichloroethene
 Concen: 9.178 ppbv
 RT: 7.97 min Scan# 1564
 Delta R.T. 0.01 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	703118		
95	119.1	95.2	142.8	
132	96.0	72.5	108.7	
97	77.5	60.1	90.1	





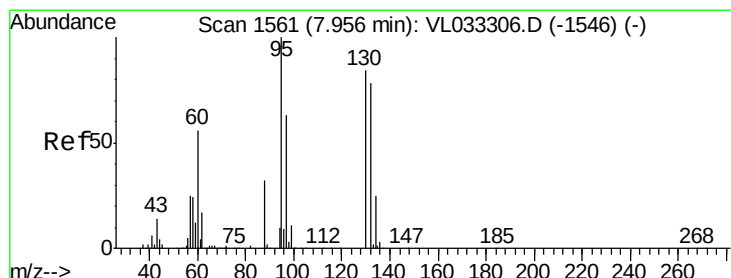
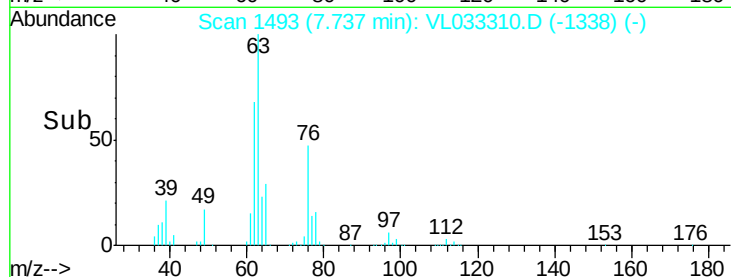
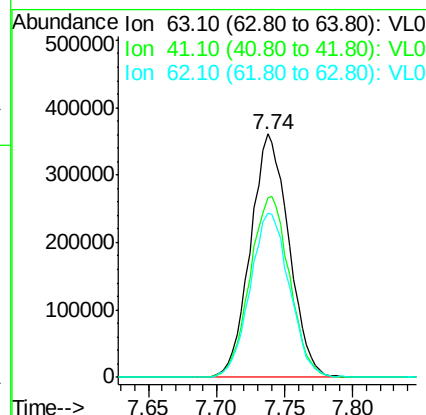
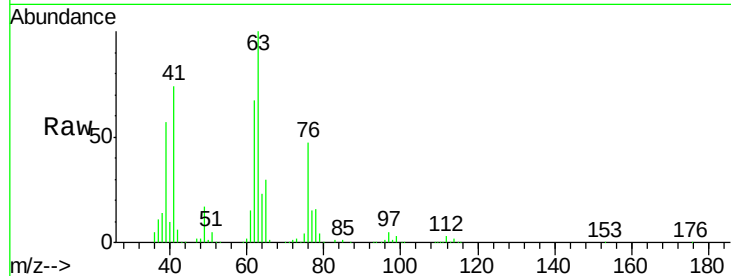
#39
 1,2-Dichloropropane
 Concen: 9.472 ppbv
 RT: 7.74 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS02

Tgt Ion	Ratio	Lower	Upper
63	100		
41	73.8	59.0	88.4
62	67.4	53.0	79.4

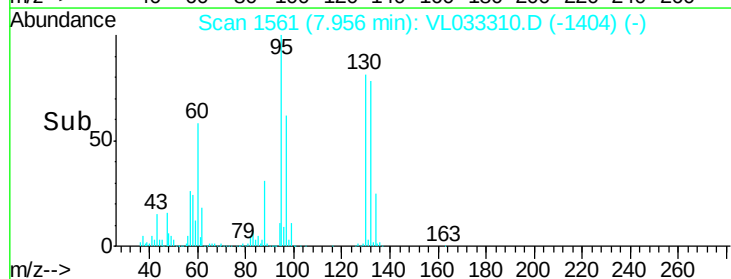
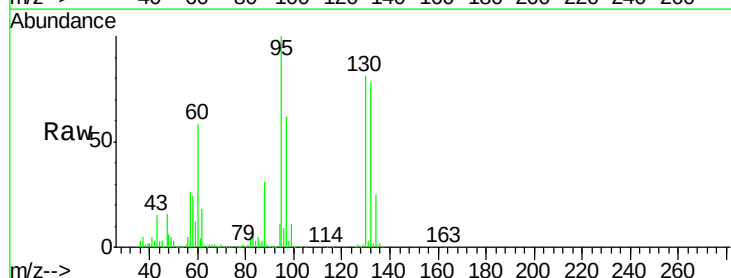
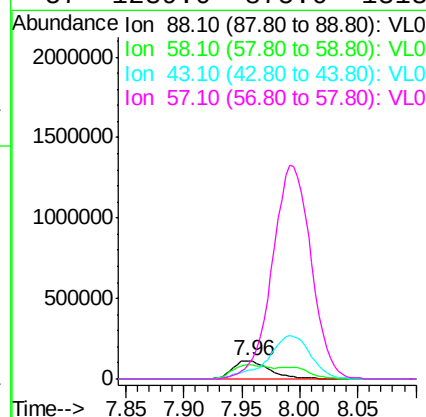
Manual Integrations
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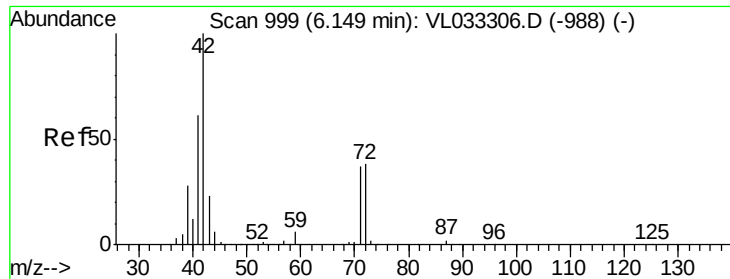
MMDadoda
 3/15/2019 10:42:00 PM



#40
 1,4-Dioxane
 Concen: 9.313 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. 0.01 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
88	100		
58	132.9	97.7	146.5
43	279.4	199.4	299.2
57	1239.0	875.6	1313.4





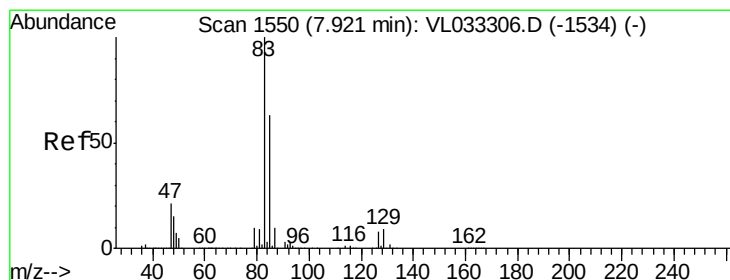
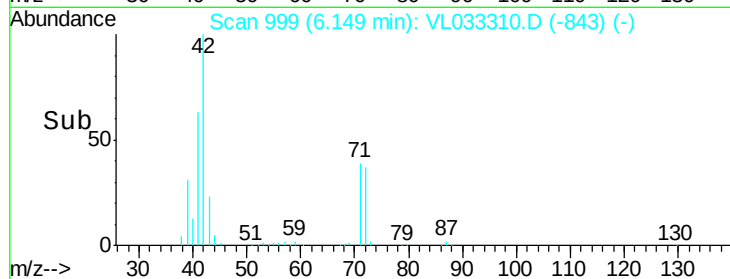
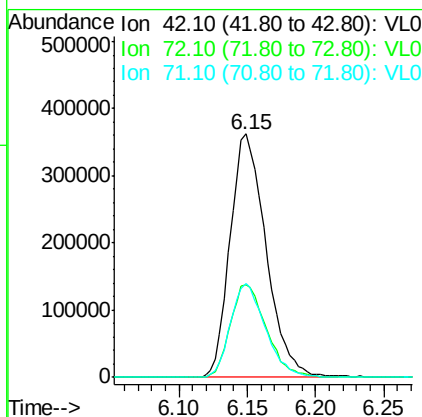
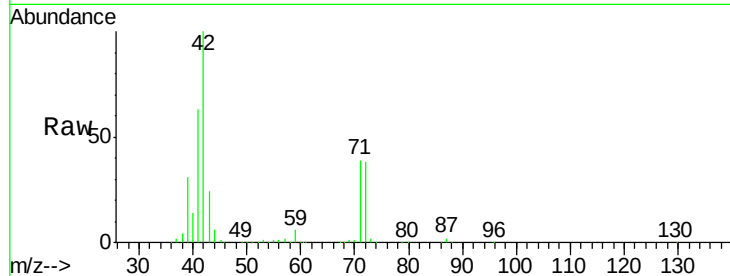
#41
Tetrahydrofuran
Concen: 8.781 ppbv
RT: 6.15 min Scan# 999
Delta R.T. 0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.3	30.8	46.2
71	37.7	30.0	45.0

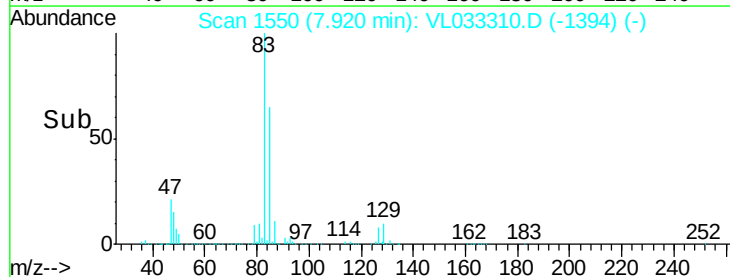
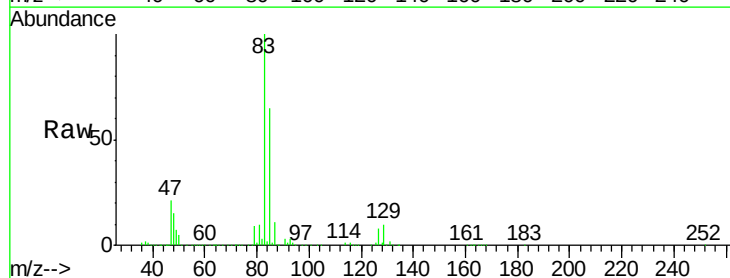
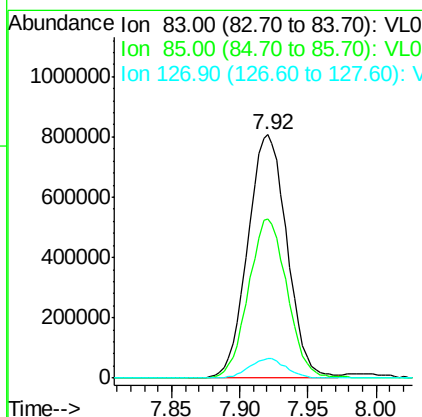
Manual Integrations
APPROVED

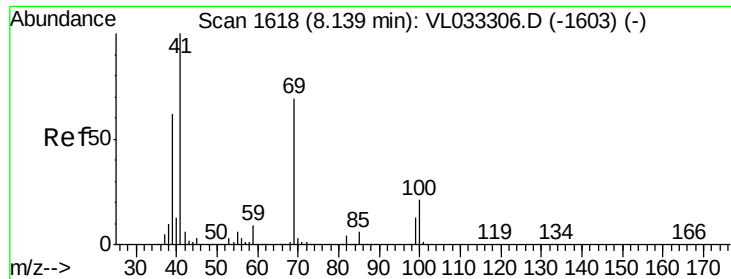
MMDadoda
3/15/2019 10:42:00 PM



#42
Bromodichloromethane
Concen: 9.925 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. 0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.0	76.4
127	8.1	6.6	10.0





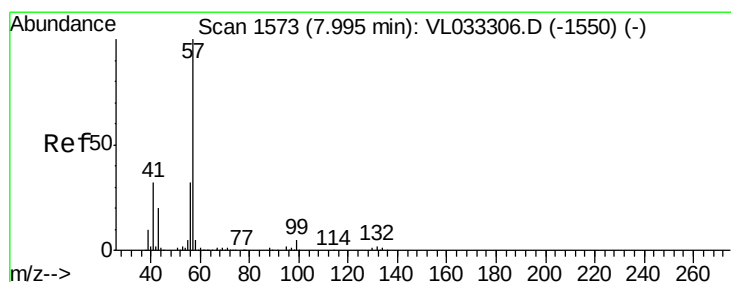
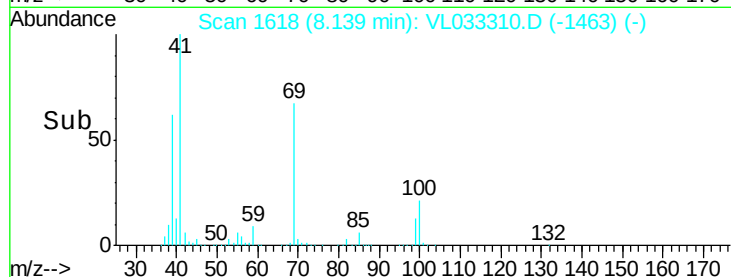
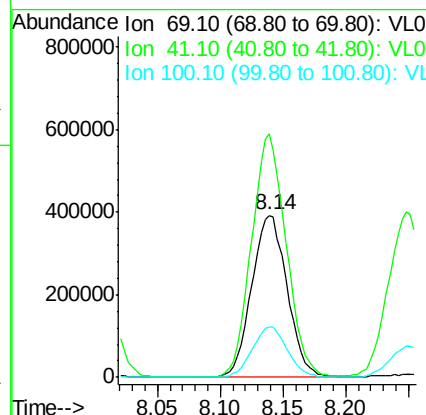
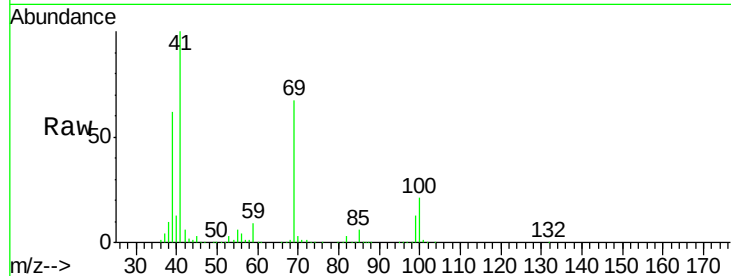
#43
Methyl Methacrylate
Concen: 9.983 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS02

Tgt Ion	Ratio	Lower	Upper
69	100		
41	146.5	117.0	175.4
100	30.9	24.3	36.5

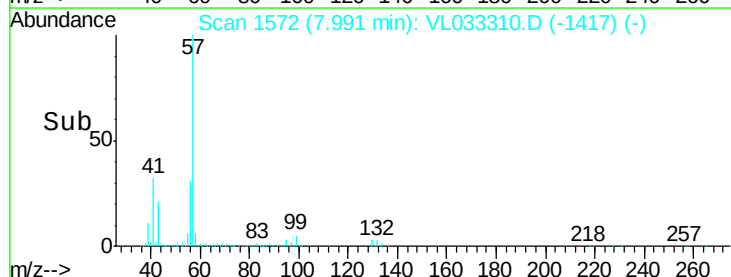
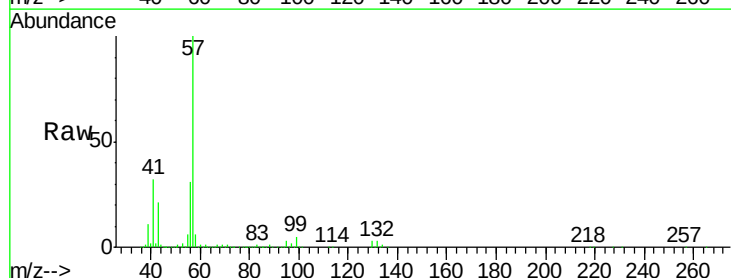
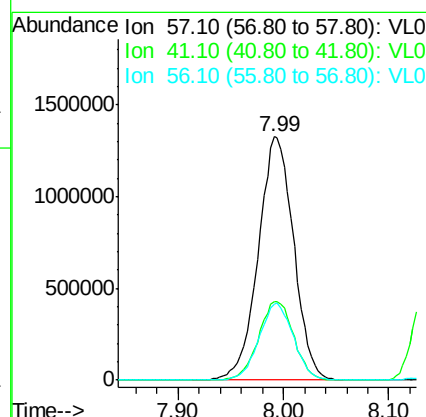
Manual Integrations
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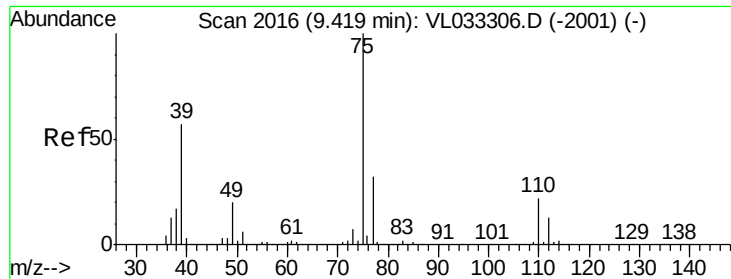
MMDadoda
3/15/2019 10:42:00 PM



#44
2,2,4-Trimethylpentane
Concen: 9.350 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.1	25.9	38.9
56	30.7	24.6	36.8





#45

t-1,3-Dichloropropene

Concen: 11.197 ppbv

RT: 9.42 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS02

Tgt Ion: 75 Resp: 1012924

Ion Ratio Lower Upper

75 100

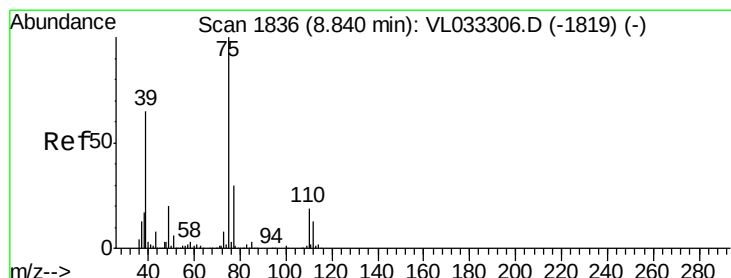
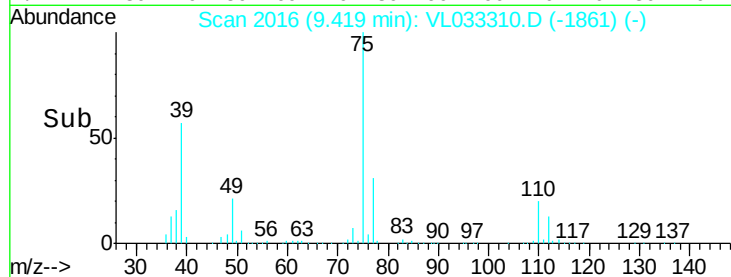
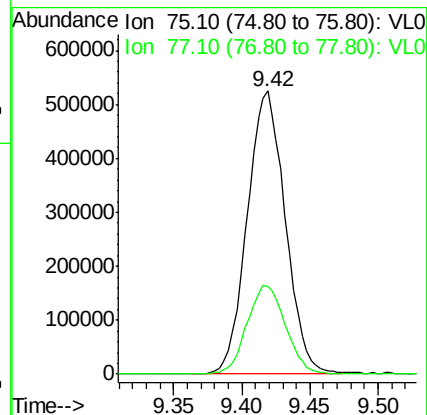
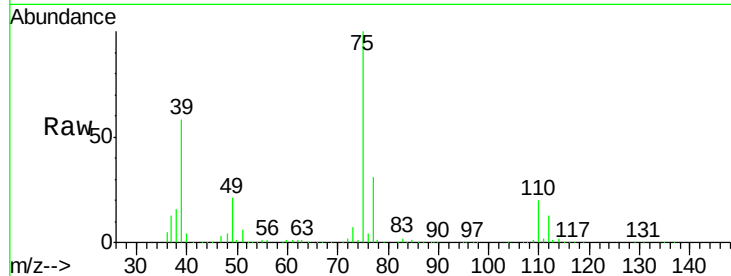
77 30.9 25.3 37.9

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#46

cis-1,3-Dichloropropene

Concen: 10.574 ppbv

RT: 8.84 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

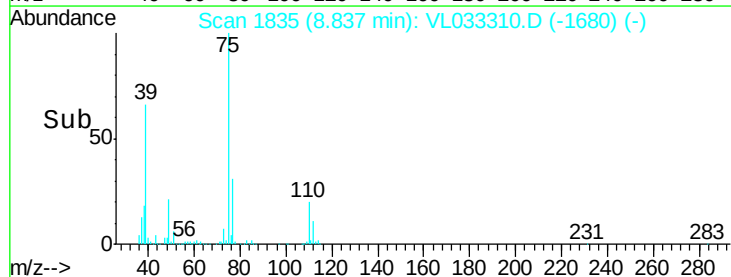
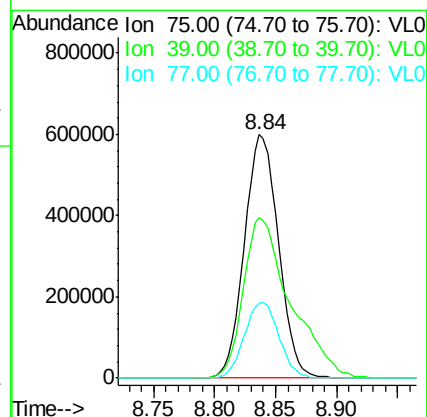
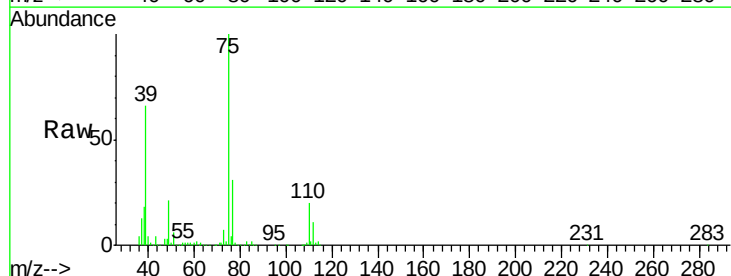
Tgt Ion: 75 Resp: 1152525

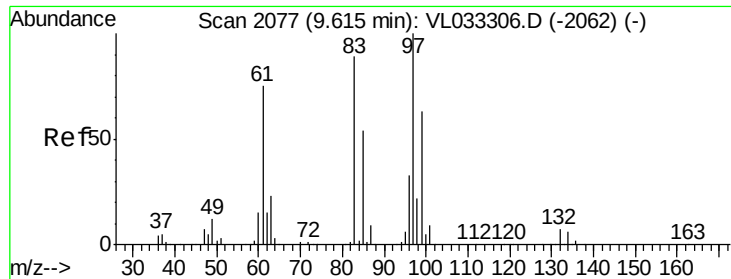
Ion Ratio Lower Upper

75 100

39 65.8 53.4 80.2

77 30.7 23.7 35.5





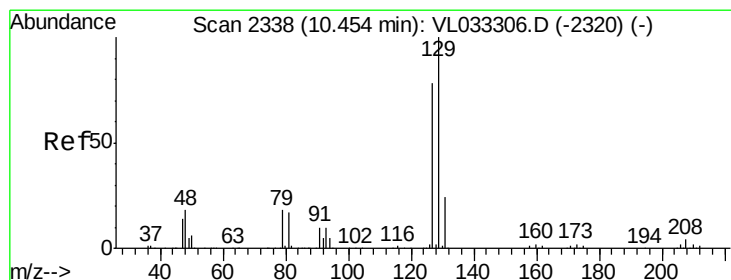
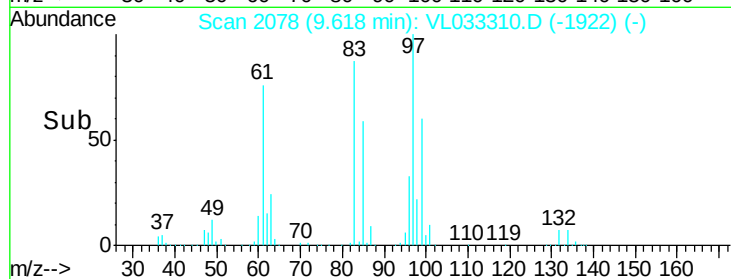
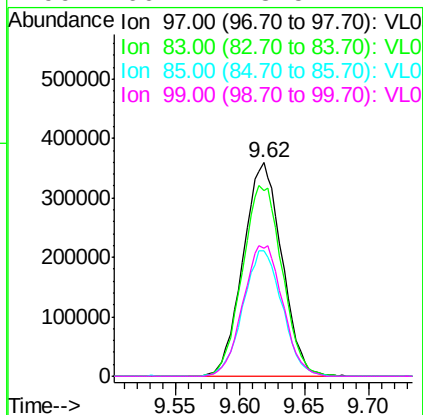
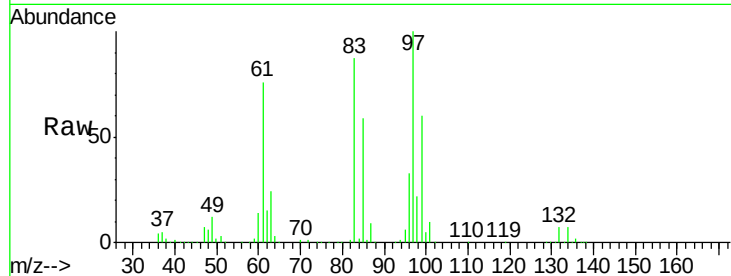
#47
 1,1,2-Trichloroethane
 Concen: 9.458 ppbv
 RT: 9.62 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.6	72.7	109.1
85	58.5	45.6	68.4
99	60.1	48.5	72.7

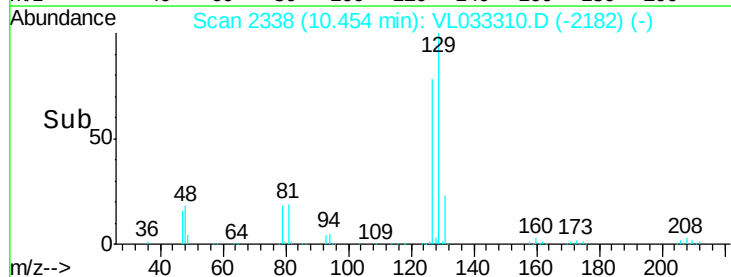
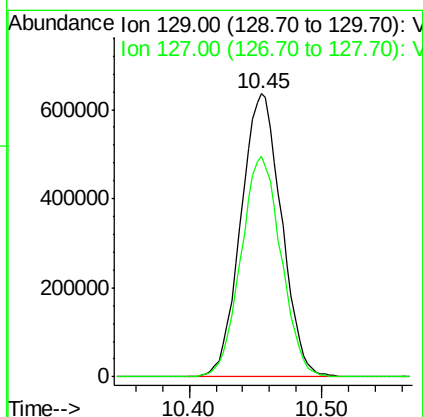
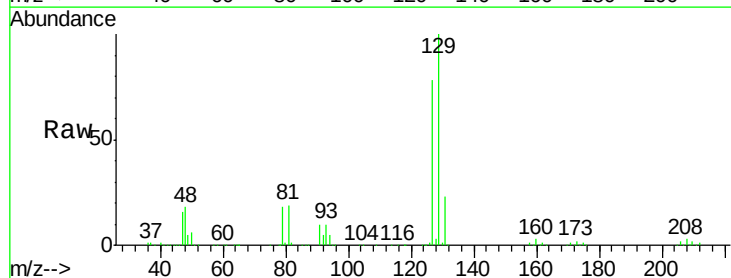
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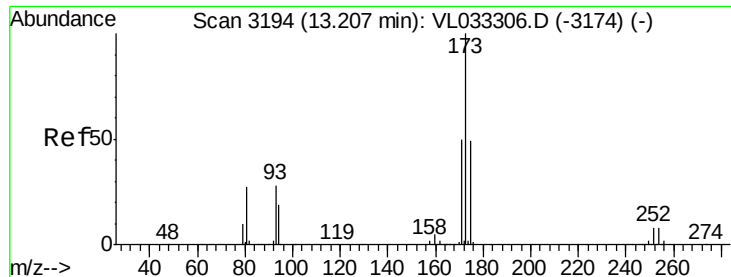
MMDadoda
 3/15/2019 10:42:00 PM



#48
 Dibromochloromethane
 Concen: 10.293 ppbv
 RT: 10.45 min Scan# 2338
 Delta R.T. 0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.0	117.0





#49

Bromoform

Concen: 10.281 ppbv

RT: 13.20 min Scan# 3193

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS02

Tgt Ion: 173 Resp: 1167059

Ion Ratio Lower Upper

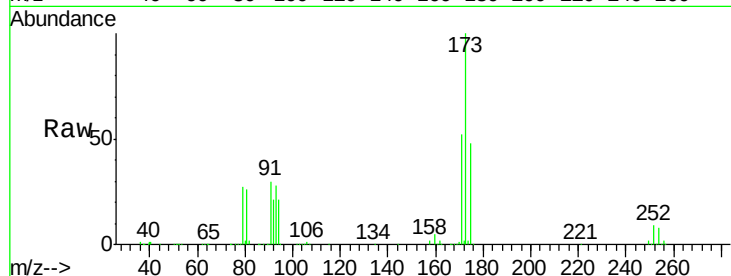
173 100

175 48.4 38.6 58.0

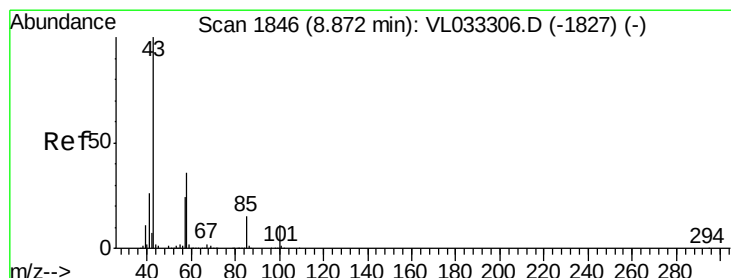
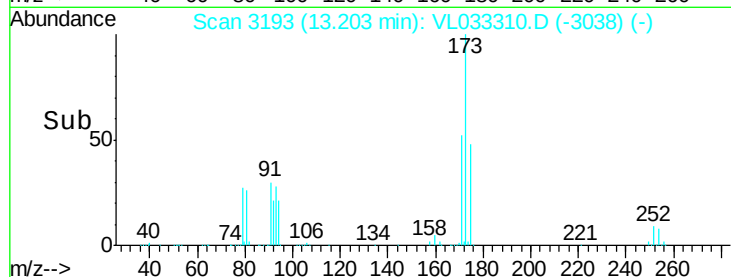
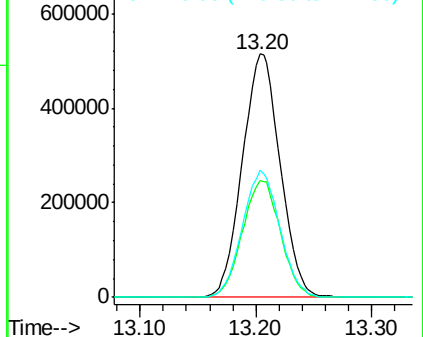
171 51.7 42.0 63.0

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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: 9.497 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VL033310.D

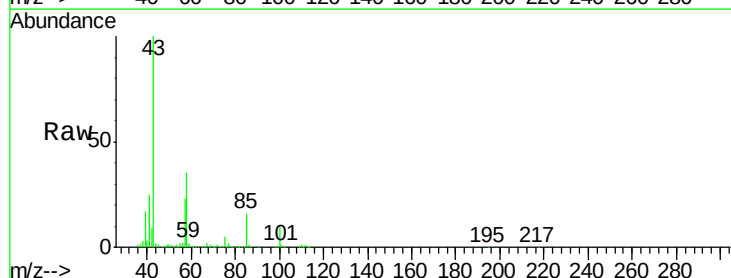
Acq: 14 Mar 2019 10:54

Tgt Ion: 43 Resp: 1876898

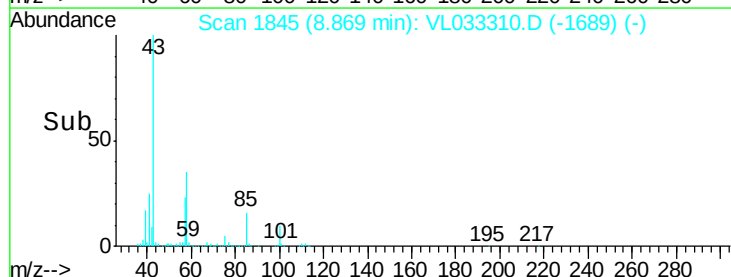
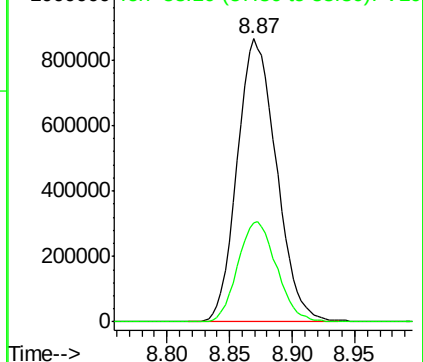
Ion Ratio Lower Upper

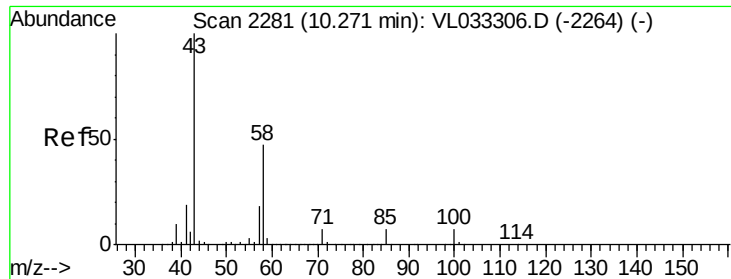
43 100

58 35.4 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





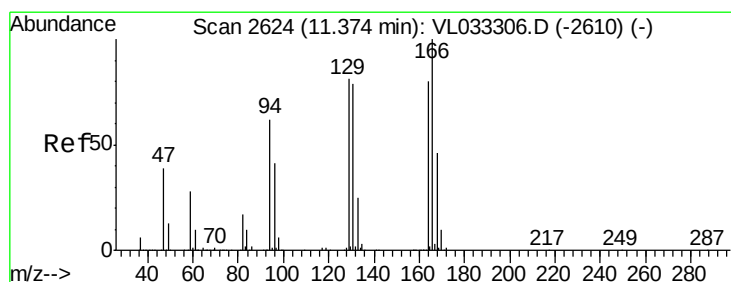
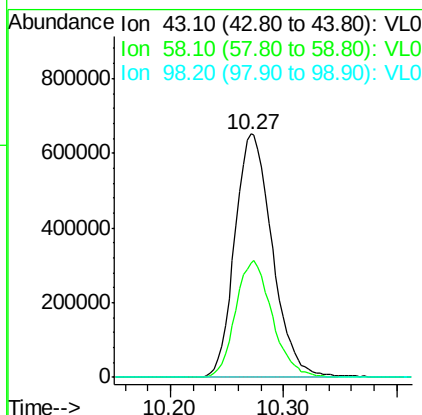
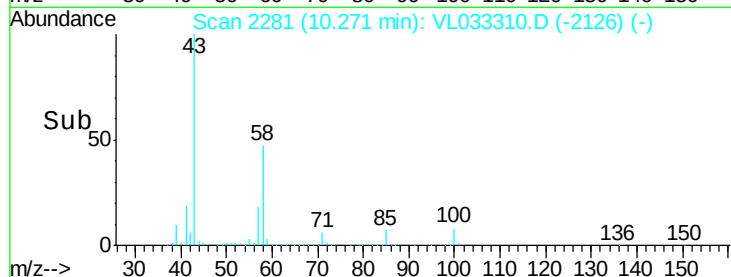
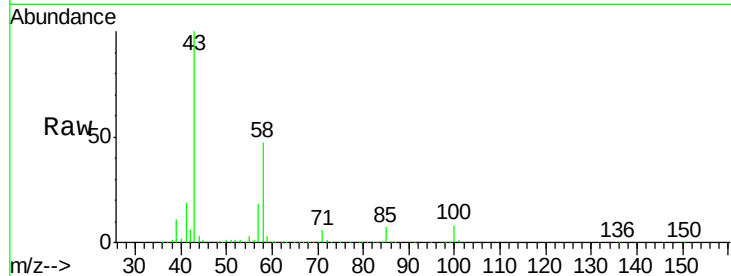
#51
2-Hexanone
Concen: 9.934 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS02

Tgt Ion: 43 Resp: 1498994
Ion Ratio Lower Upper
43 100
58 47.3 38.4 57.6
98 0.2 0.2 0.2

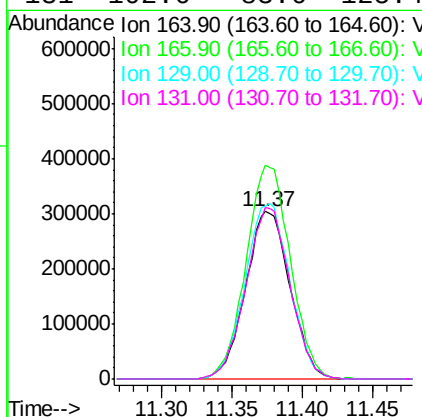
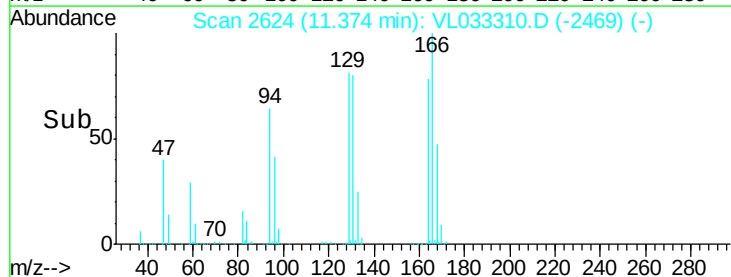
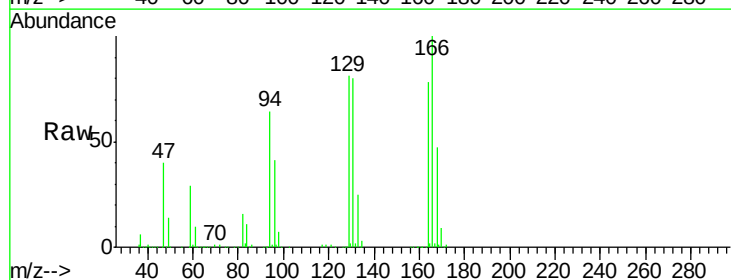
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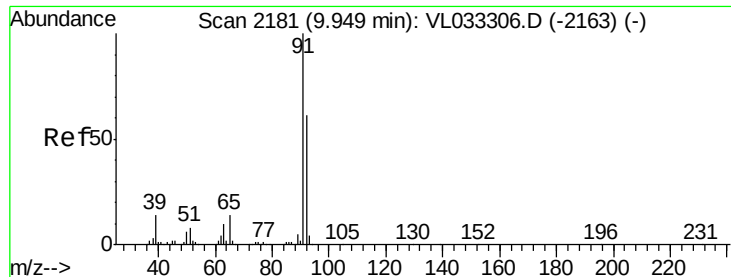
MMDadoda
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#52
Tetrachloroethene
Concen: 8.429 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Tgt Ion: 164 Resp: 670821
Ion Ratio Lower Upper
164 100
166 127.6 103.2 154.8
129 103.6 85.8 128.8
131 102.6 83.6 125.4





#53

Toluene

Concen: 9.858 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. 0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS02

Tgt Ion: 91 Resp: 2187113

Ion Ratio Lower Upper

91 100

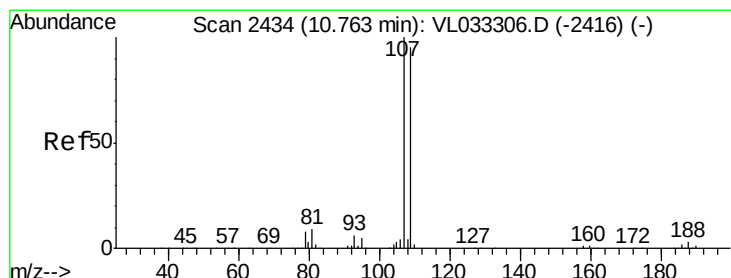
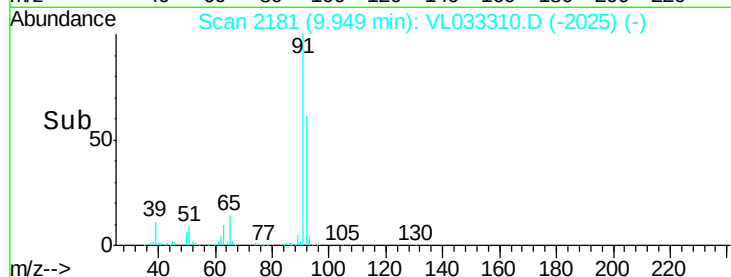
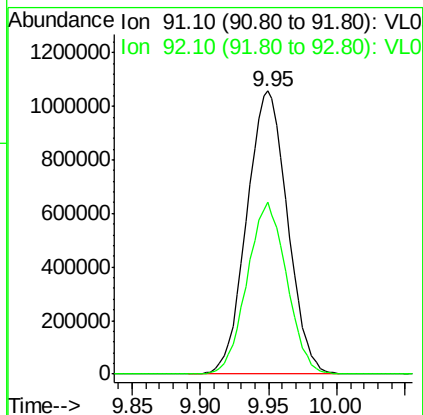
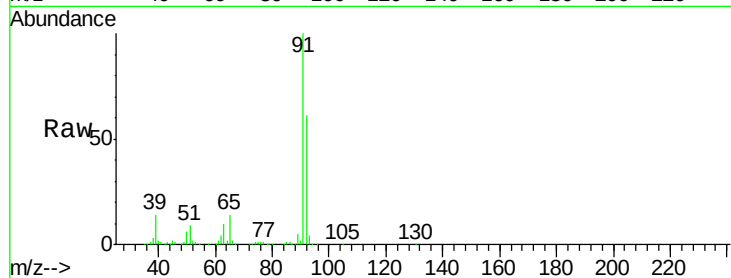
92 59.2 47.4 71.2

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 9.525 ppbv

RT: 10.76 min Scan# 2433

Delta R.T. -0.00 min

Lab File: VL033310.D

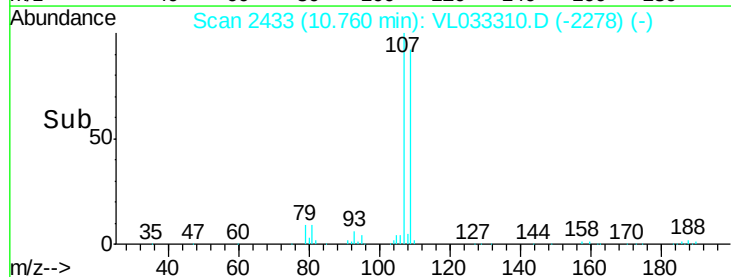
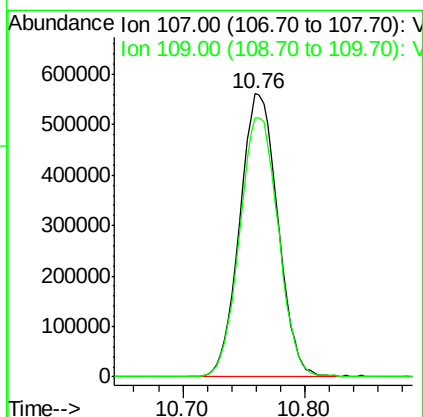
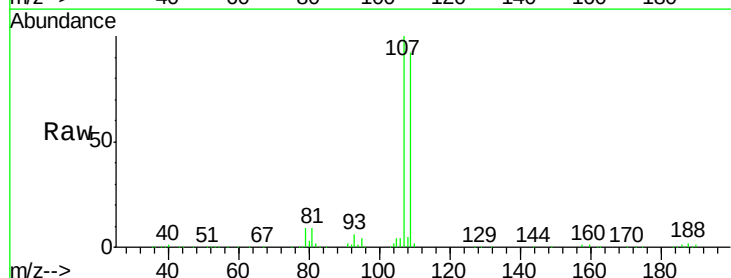
Acq: 14 Mar 2019 10:54

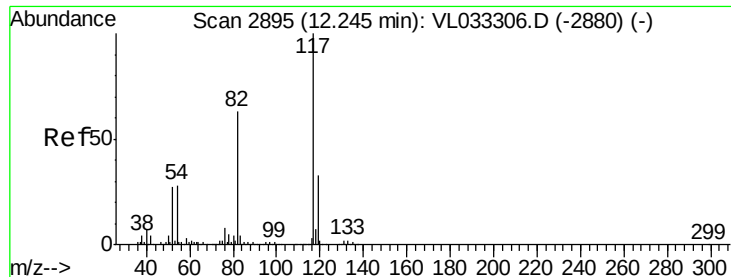
Tgt Ion: 107 Resp: 1211019

Ion Ratio Lower Upper

107 100

109 91.5 74.3 111.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.25 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS02

Tgt Ion:117 Resp: 2011053

Ion Ratio Lower Upper

117 100

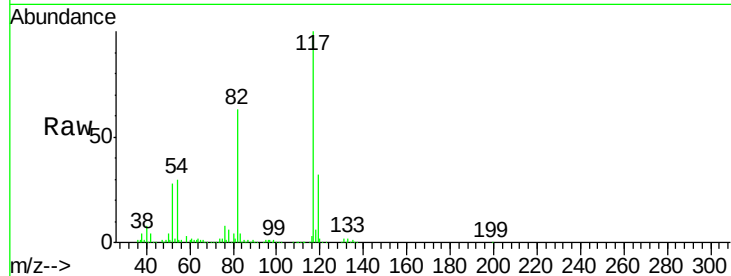
82 66.7 51.3 76.9

119 30.5 27.0 40.4

Manual Integrations
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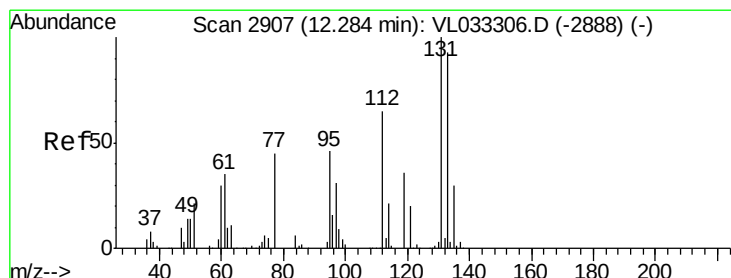
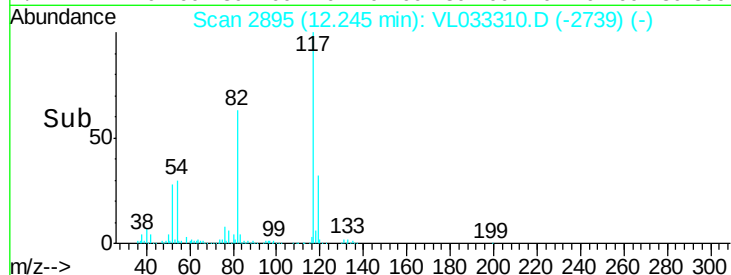
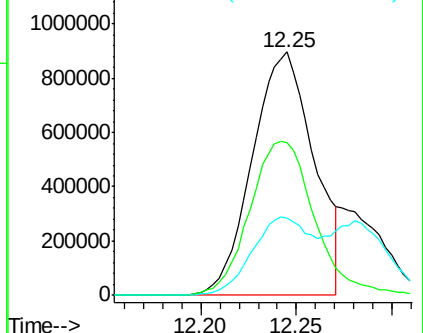
3/15/2019 10:42:00 PM



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 10.392 ppbv

RT: 12.28 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

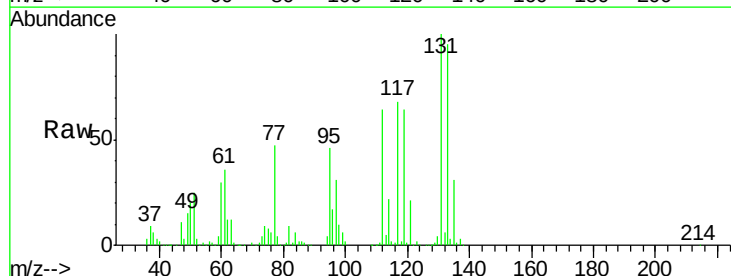
Tgt Ion:131 Resp: 937749

Ion Ratio Lower Upper

131 100

133 95.6 75.3 112.9

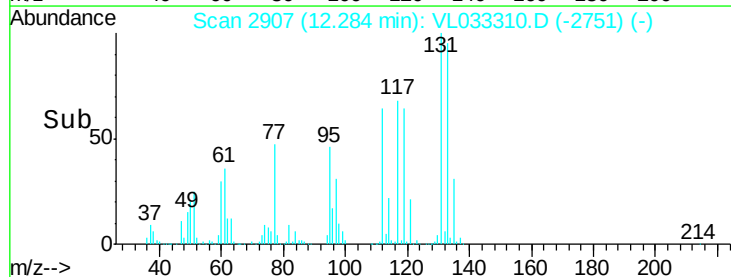
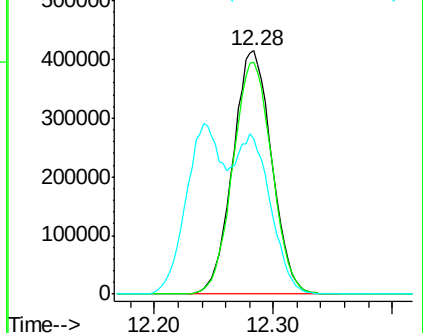
119 58.1 45.0 67.4

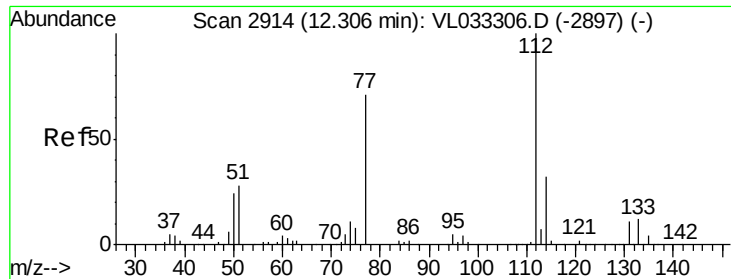


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 9.719 ppbv

RT: 12.31 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

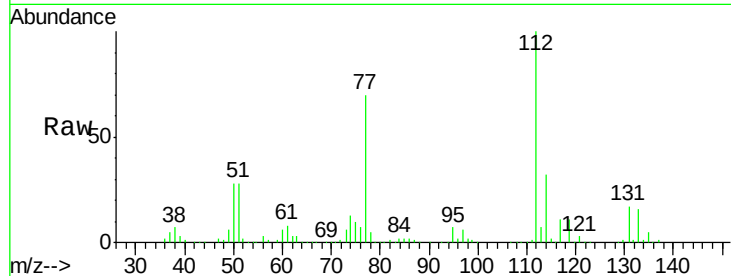
VL0313ABS02

Tgt Ion: 112 Resp: 1578051

Ion	Ratio	Lower	Upper
112	100		
77	70.3	54.7	82.1
114	31.6	29.6	36.2

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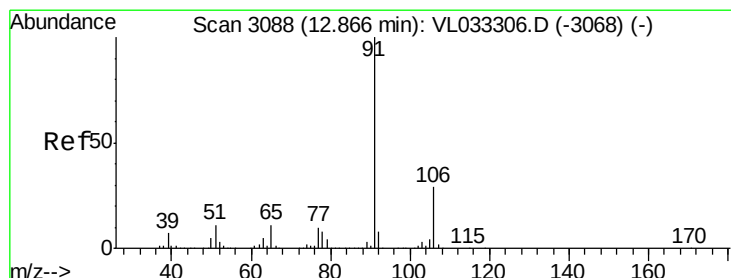
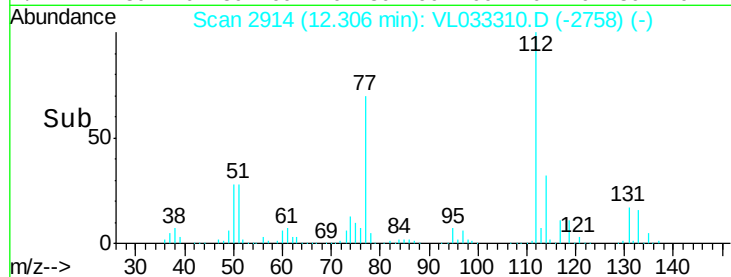
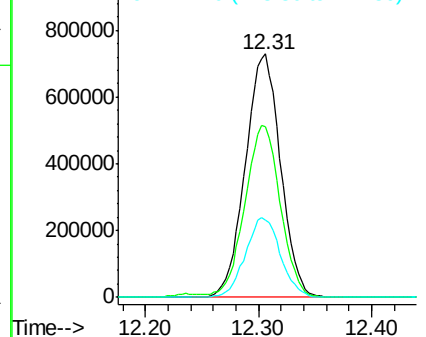
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.335 ppbv

RT: 12.87 min Scan# 3088

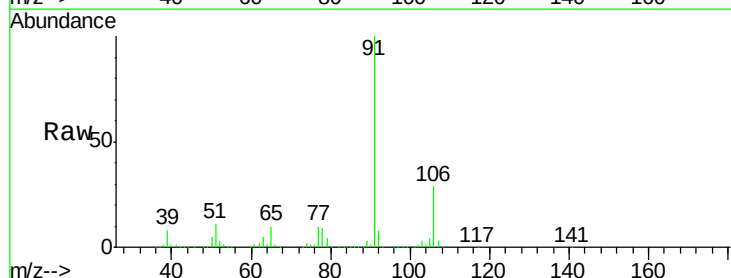
Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

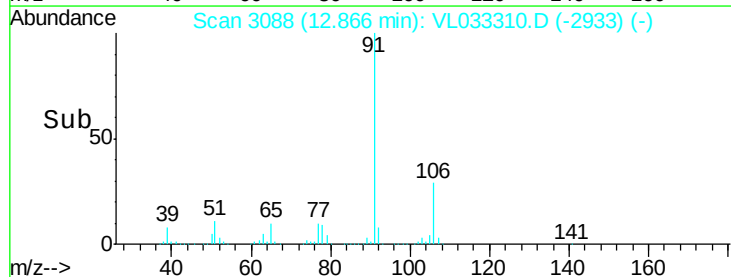
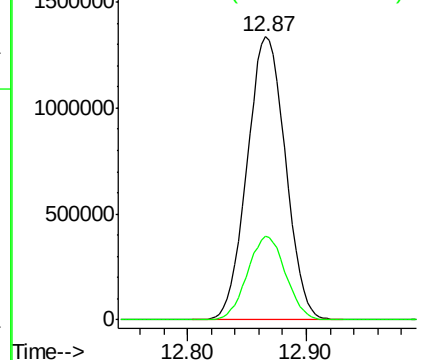
Tgt Ion: 91 Resp: 2983718

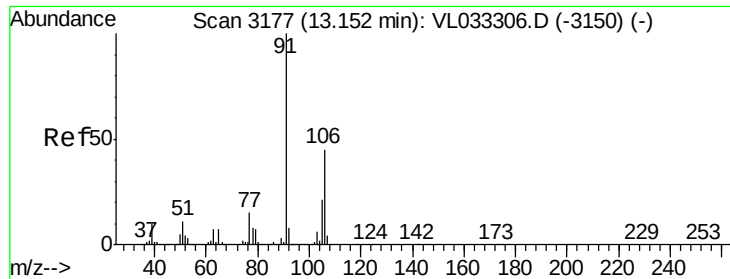
Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.8	35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





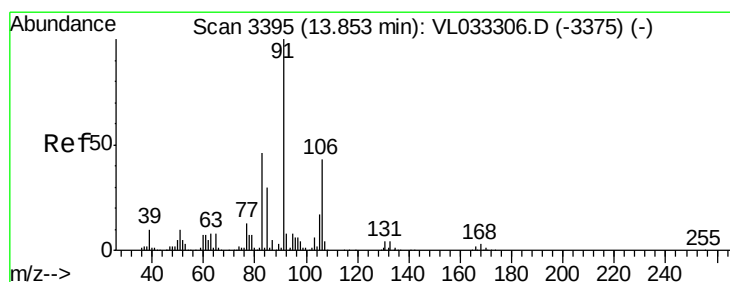
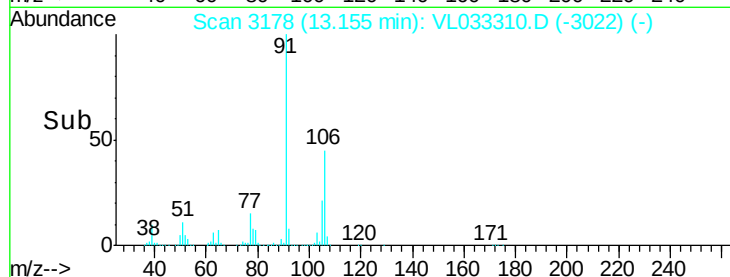
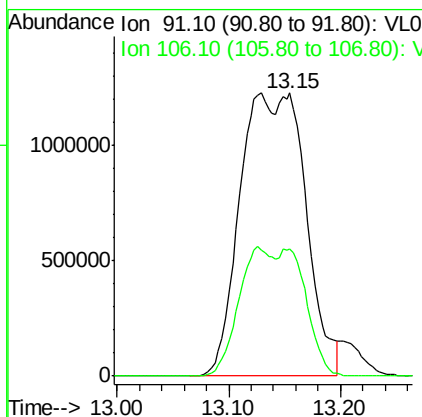
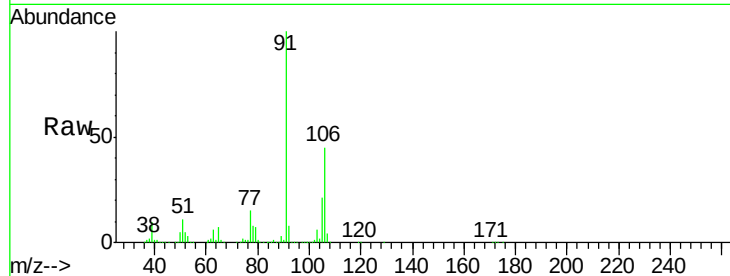
#59
m/p-Xylene
Concen: 20.531 ppbv m
RT: 13.15 min Scan# 3178
Delta R.T. 0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS02

Tgt Ion: 91 Resp: 4983971
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

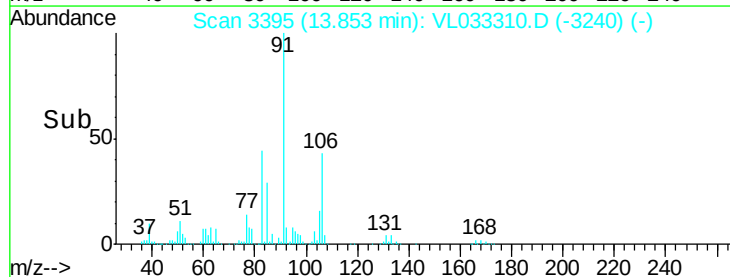
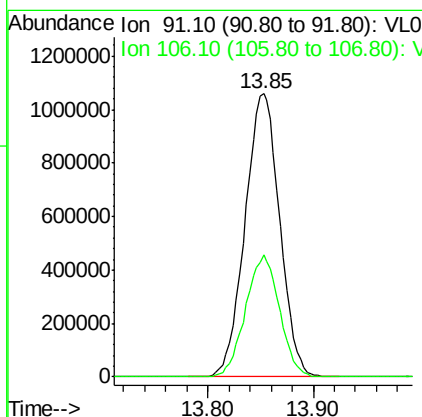
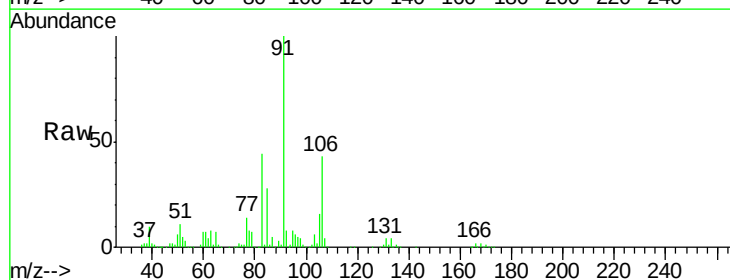
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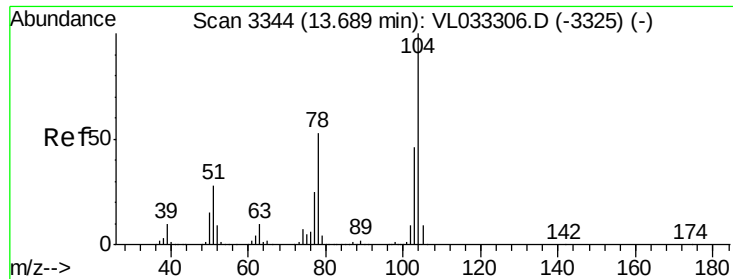
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#60
o-Xylene
Concen: 10.320 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Tgt Ion: 91 Resp: 2416358
Ion Ratio Lower Upper
91 100
106 42.3 21.4 64.3





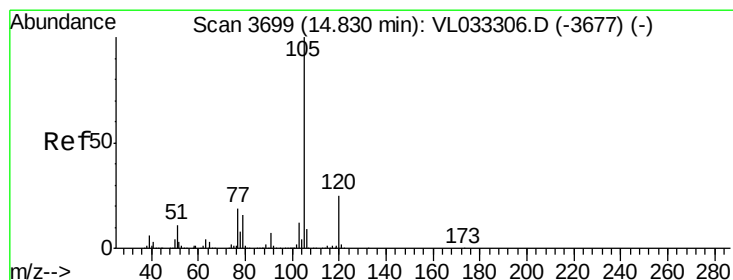
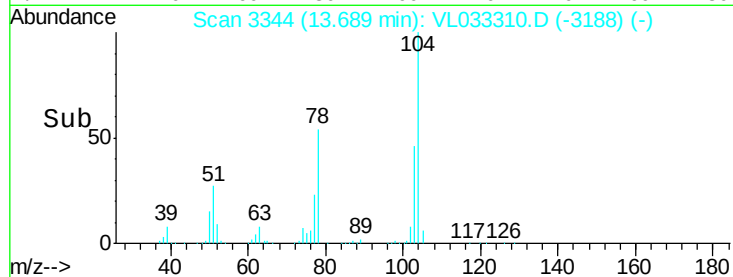
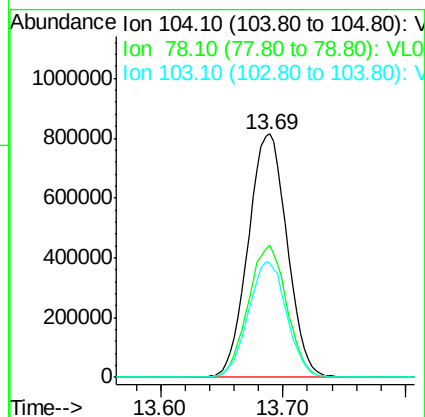
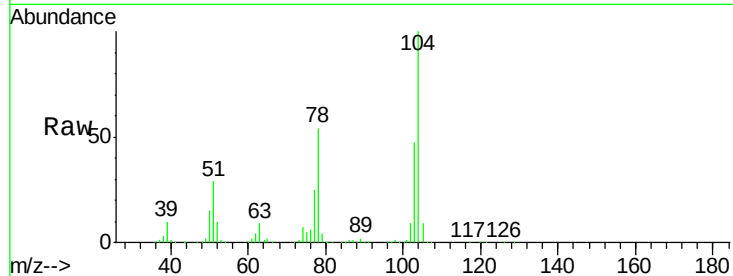
#61
Styrene
Concen: 10.906 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS02

Tgt Ion:104 Resp: 1791881
Ion Ratio Lower Upper
104 100
78 53.9 43.3 64.9
103 46.8 38.2 57.2

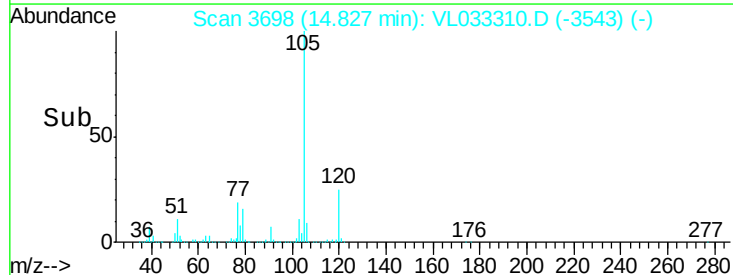
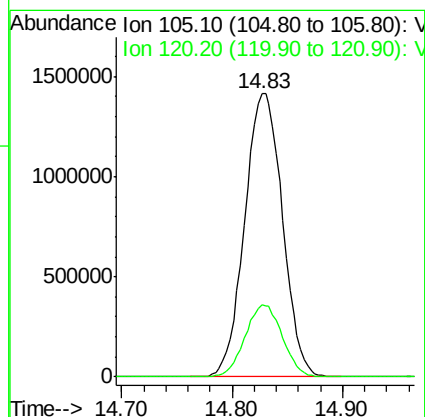
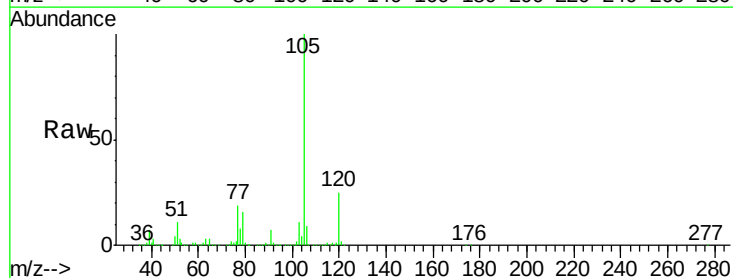
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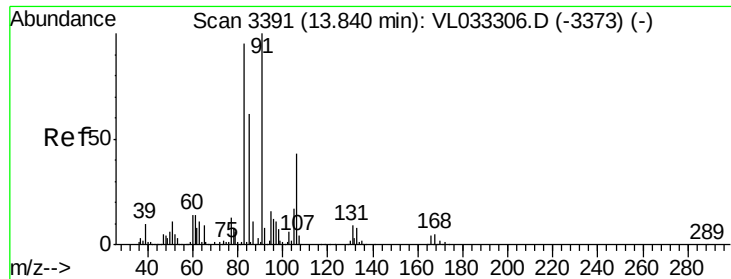
MMDadoda
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#62
Isopropylbenzene
Concen: 10.202 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Tgt Ion:105 Resp: 3360602
Ion Ratio Lower Upper
105 100
120 25.1 19.9 29.9





#63

1,1,2,2-Tetrachloroethane

Concen: 9.776 ppbv

RT: 13.84 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS02

Tgt Ion: 83 Resp: 1649748

Ion Ratio Lower Upper

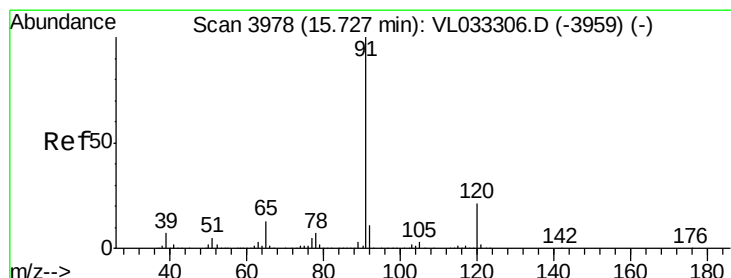
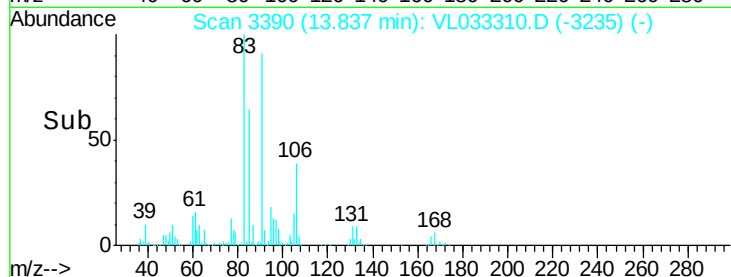
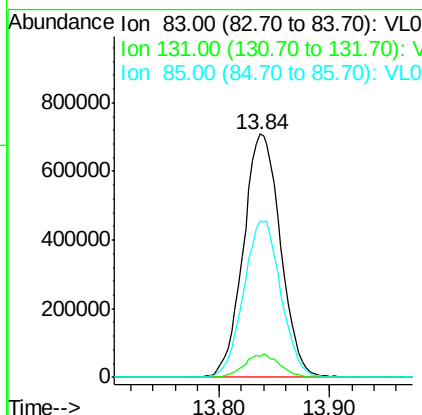
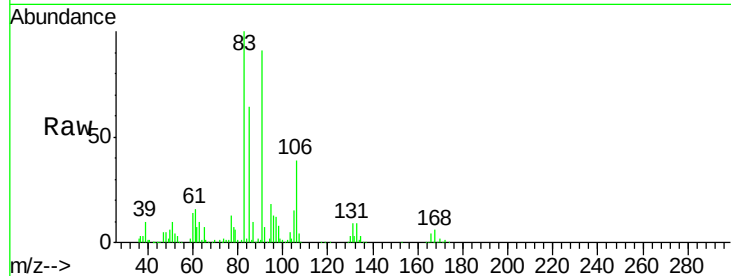
83 100

131 9.1 4.6 13.8

85 64.6 32.5 97.4

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#64

n-propylbenzene

Concen: 10.295 ppbv

RT: 15.73 min Scan# 3978

Delta R.T. -0.00 min

Lab File: VL033310.D

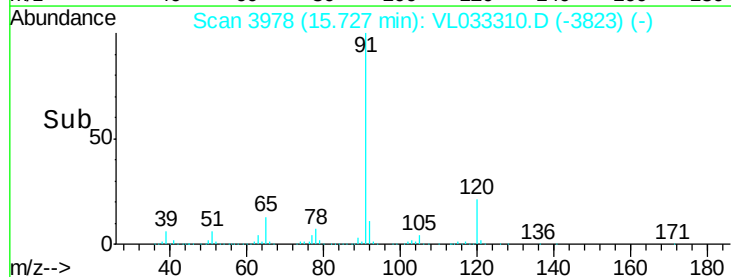
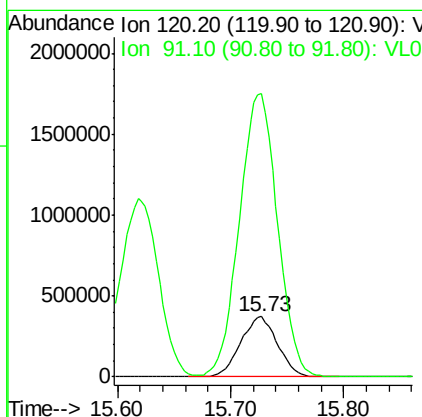
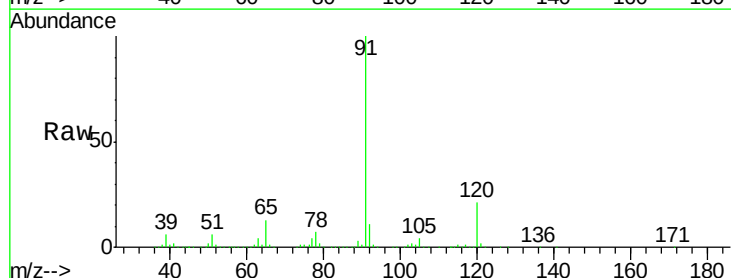
Acq: 14 Mar 2019 10:54

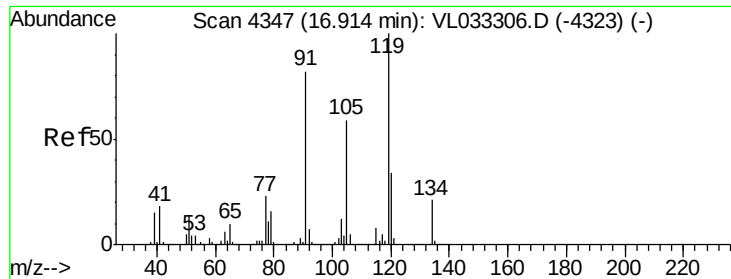
Tgt Ion: 120 Resp: 840939

Ion Ratio Lower Upper

120 100

91 488.0 393.7 590.5





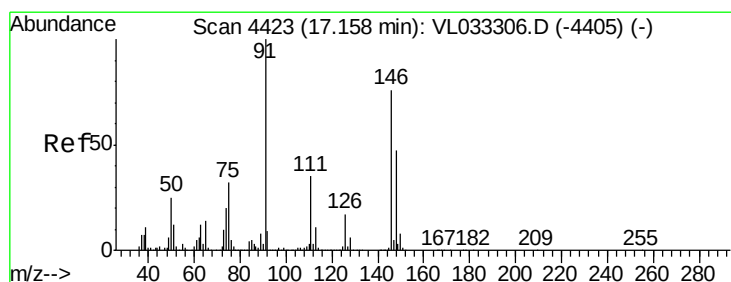
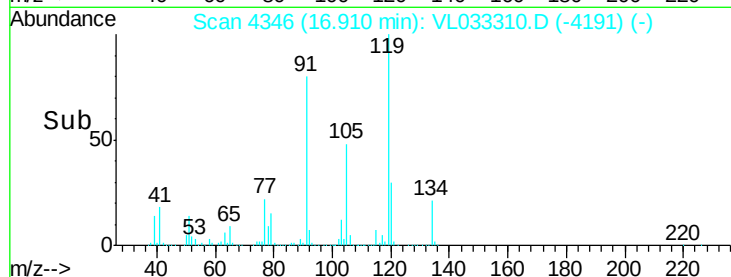
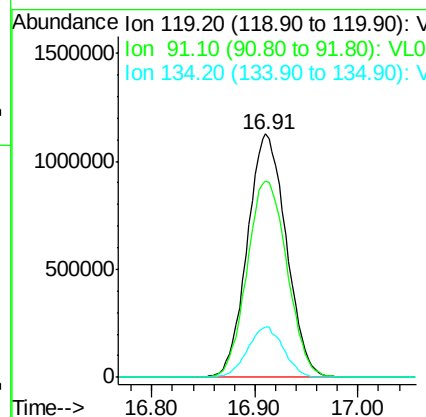
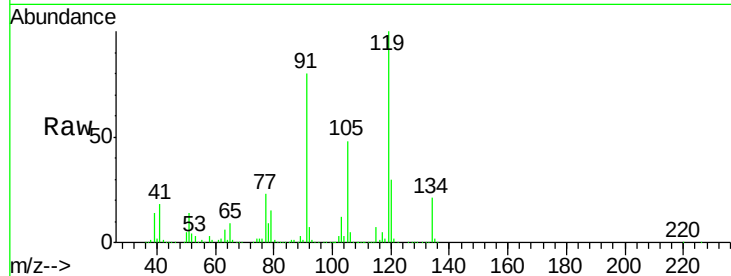
#65
 tert-Butylbenzene
 Concen: 10.567 ppbv
 RT: 16.91 min Scan# 4346
 Delta R.T. -0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS02

Tgt Ion: 119 Resp: 2941803
 Ion Ratio Lower Upper
 119 100
 91 83.5 66.4 99.6
 134 19.3 15.4 23.2

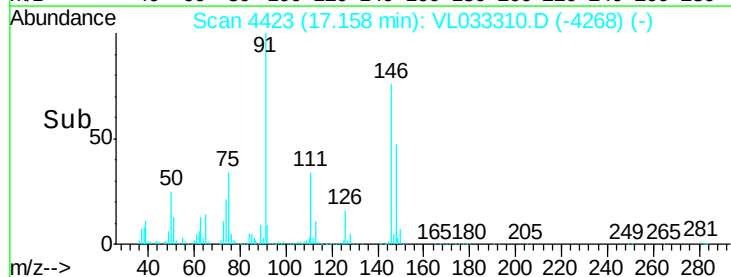
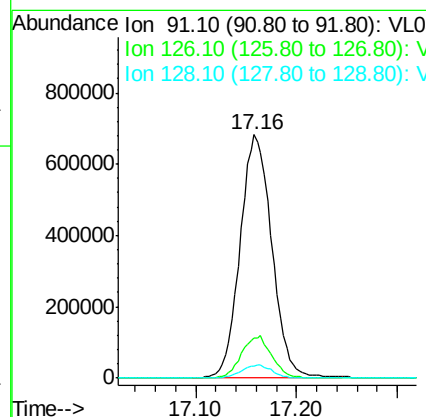
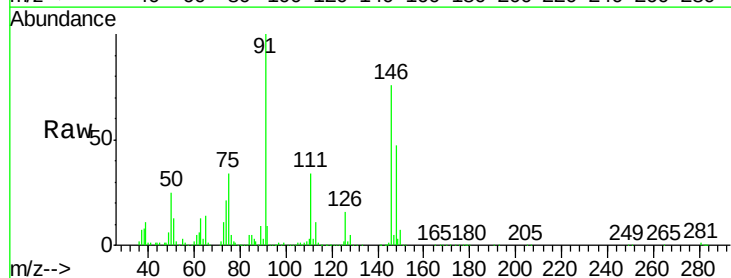
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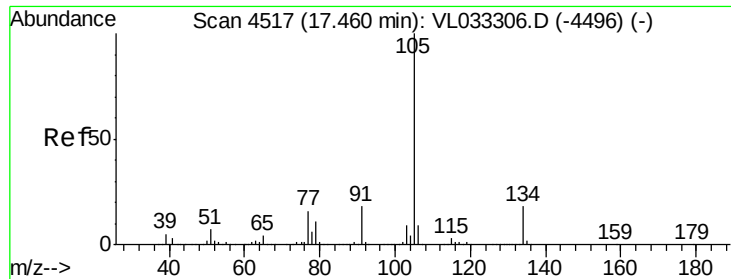
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#66
 Benzyl Chloride
 Concen: 13.436 ppbv
 RT: 17.16 min Scan# 4423
 Delta R.T. -0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Tgt Ion: 91 Resp: 1488258
 Ion Ratio Lower Upper
 91 100
 126 16.6 12.9 19.3
 128 5.3 4.2 6.2





#67

sec-Butylbenzene

Concen: 10.441 ppbv

RT: 17.46 min Scan# 4517

Delta R.T. 0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS02

Tgt Ion: 105 Resp: 4179076

Ion Ratio Lower Upper

105 100

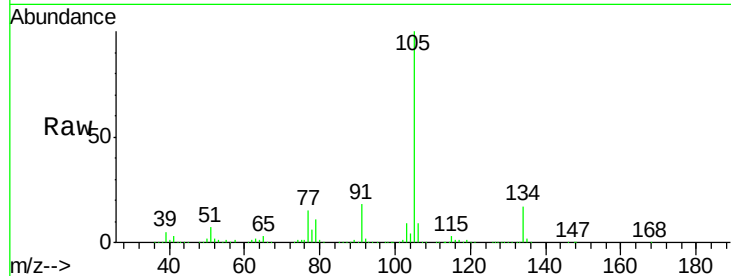
134 17.7 14.2 21.2

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2000000

1500000

1000000

500000

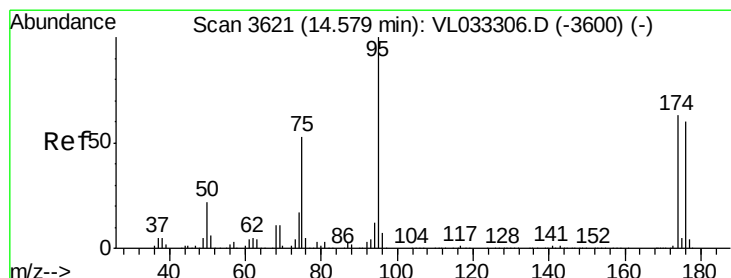
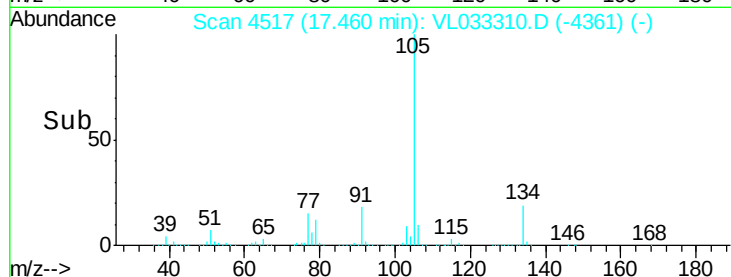
0

17.46

17.40

17.50

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.012 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

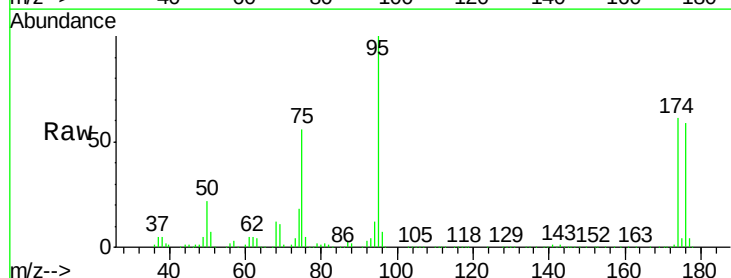
Tgt Ion: 95 Resp: 1537693

Ion Ratio Lower Upper

95 100

174 64.2 51.9 77.9

175 4.7 3.9 5.9



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

800000

600000

400000

200000

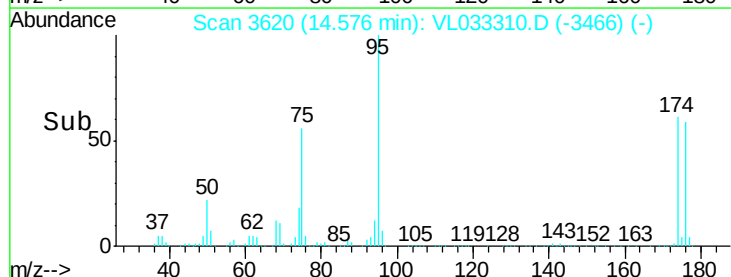
0

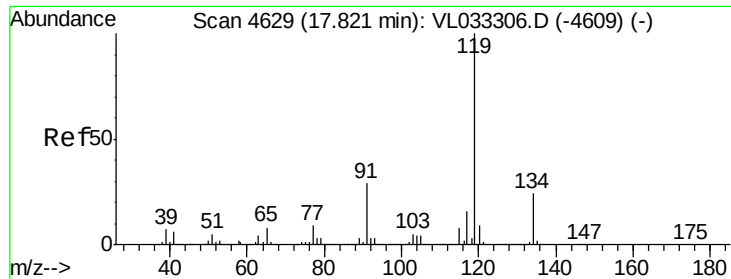
14.58

14.50

14.60

Time-->





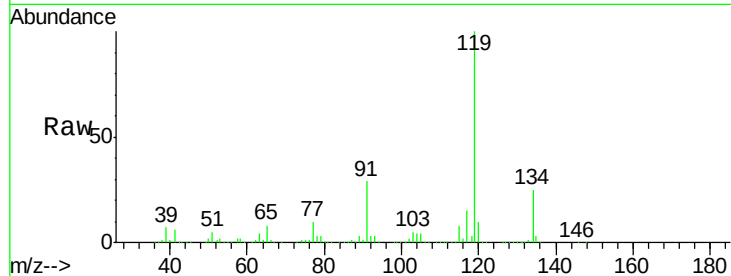
#69
p-Isopropyltoluene
Concen: 10.789 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. -0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS02

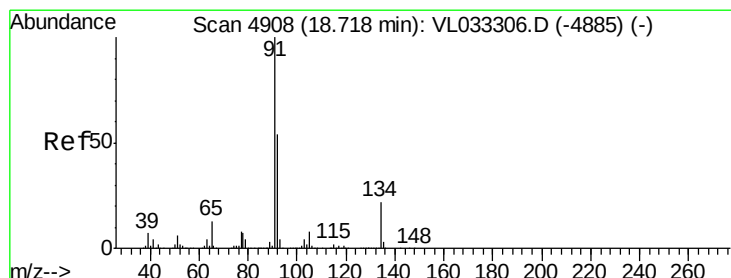
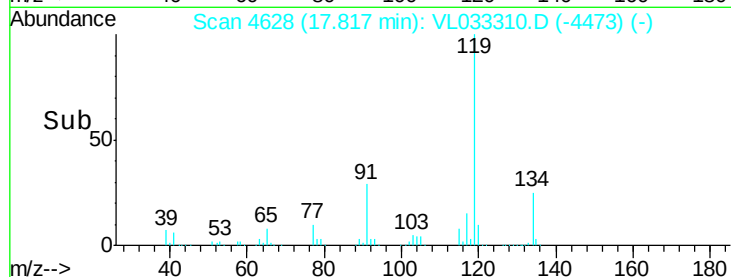
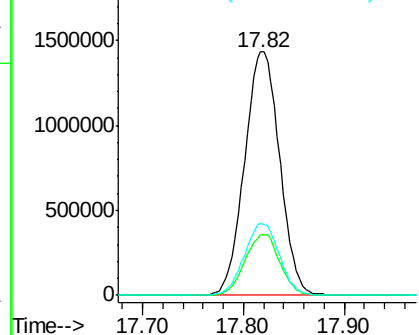
Tgt Ion: 119 Resp: 3450701
Ion Ratio Lower Upper
119 100
134 24.8 19.8 29.6
91 29.6 23.8 35.8

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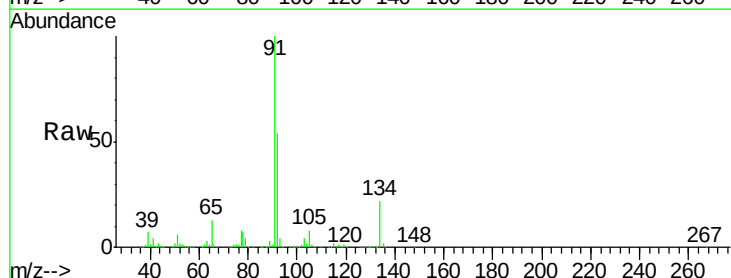


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

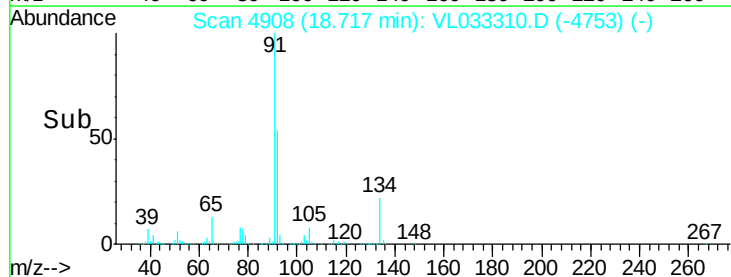
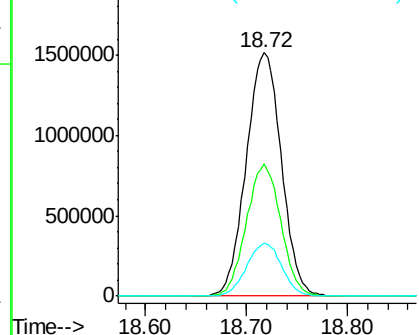


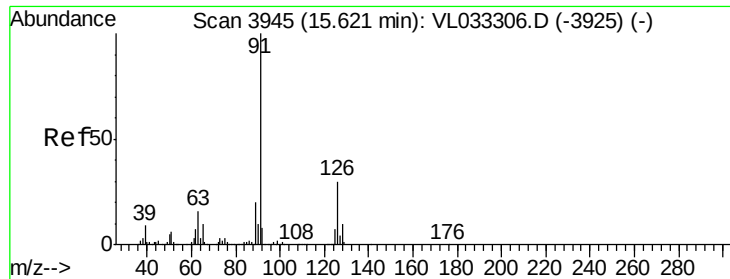
#70
n-Butylbenzene
Concen: 10.920 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Tgt Ion: 91 Resp: 3651381
Ion Ratio Lower Upper
91 100
92 53.2 42.6 63.8
134 21.8 17.4 26.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 10.428 ppbv

RT: 15.62 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS02

Tgt Ion: 91 Resp: 2572757

Ion Ratio Lower Upper

91 100

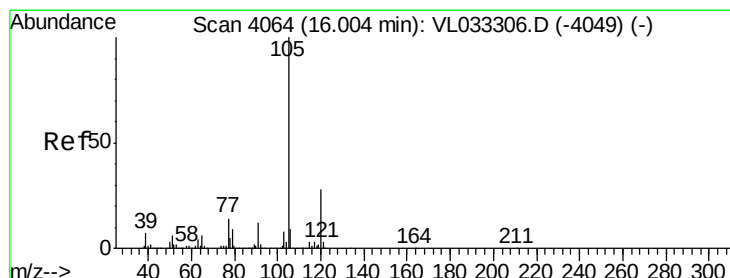
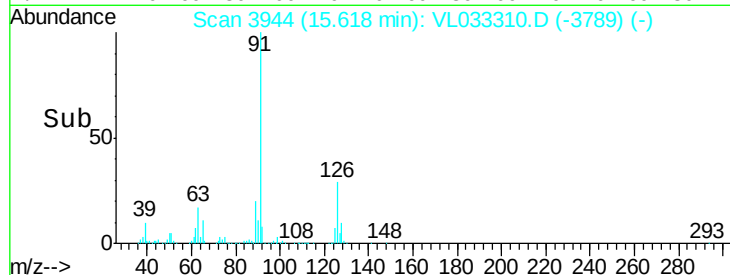
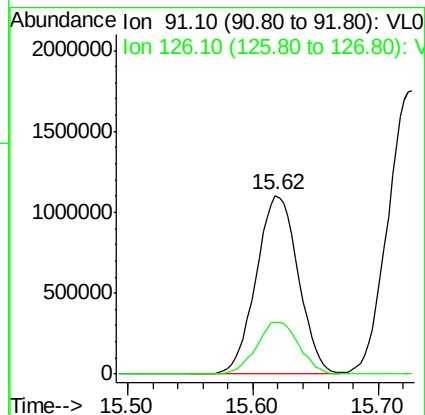
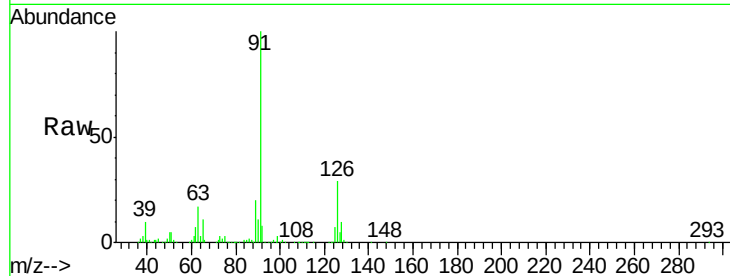
126 29.4 11.8 47.0

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#72

4-Ethyltoluene

Concen: 10.865 ppbv

RT: 16.00 min Scan# 4064

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Tgt Ion: 105 Resp: 2725251

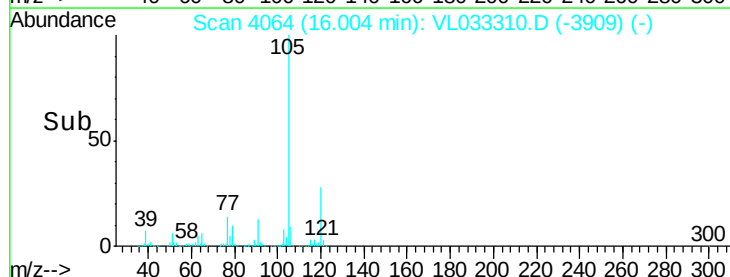
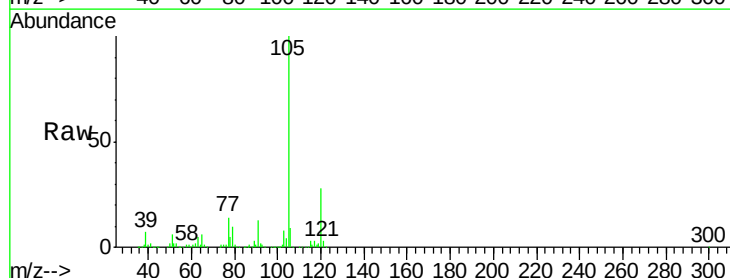
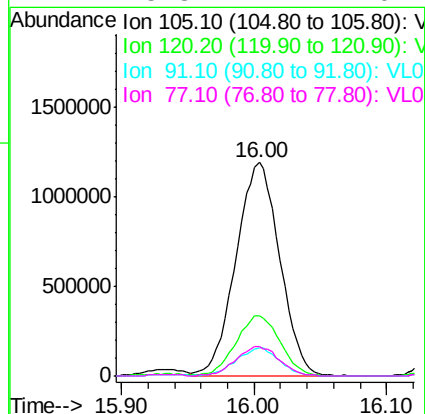
Ion Ratio Lower Upper

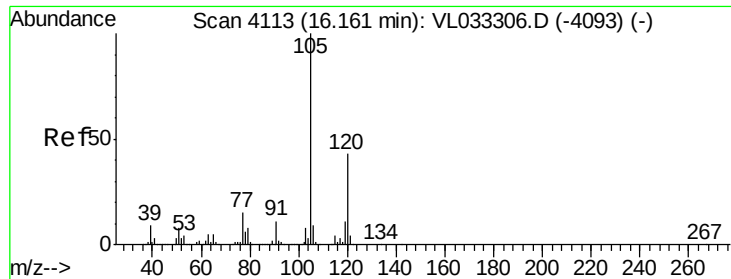
105 100

120 28.5 22.7 34.1

91 12.9 10.3 15.5

77 13.8 11.1 16.7





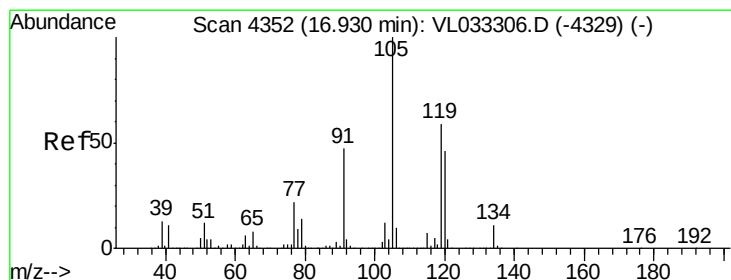
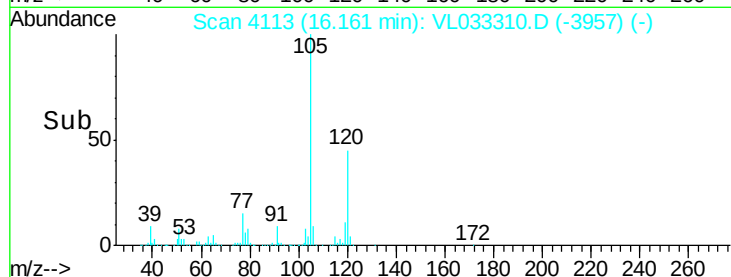
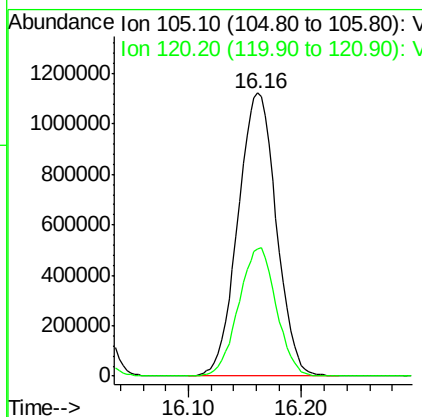
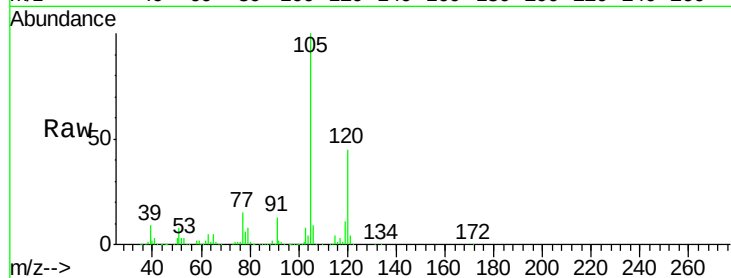
#73
 1,3,5-Trimethylbenzene
 Concen: 11.180 ppbv
 RT: 16.16 min Scan# 4113
 Delta R.T. 0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS02

Tgt Ion:105 Resp: 2636643
 Ion Ratio Lower Upper
 105 100
 120 45.2 34.6 52.0

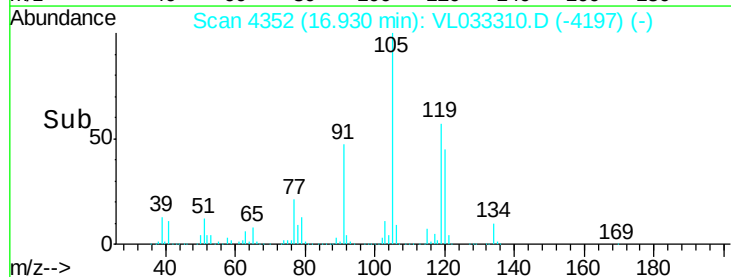
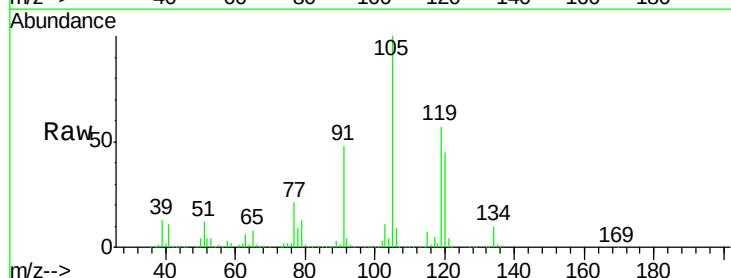
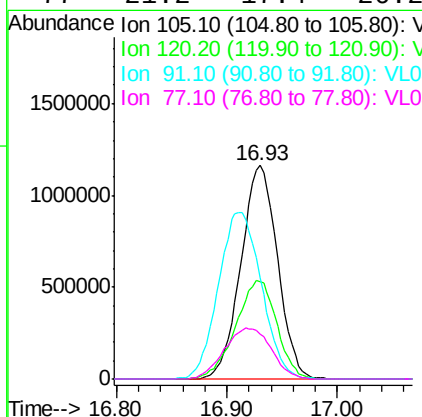
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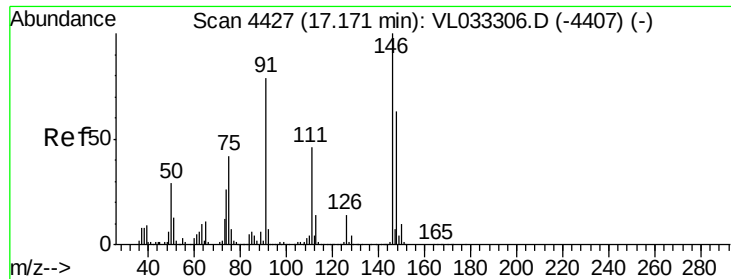
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#74
 1,2,4-Trimethylbenzene
 Concen: 11.122 ppbv
 RT: 16.93 min Scan# 4352
 Delta R.T. -0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Tgt Ion:105 Resp: 2676597
 Ion Ratio Lower Upper
 105 100
 120 45.2 35.2 52.8
 91 47.4 34.0 51.0
 77 21.2 17.4 26.2





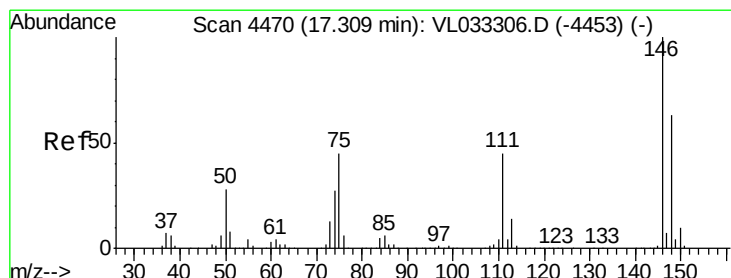
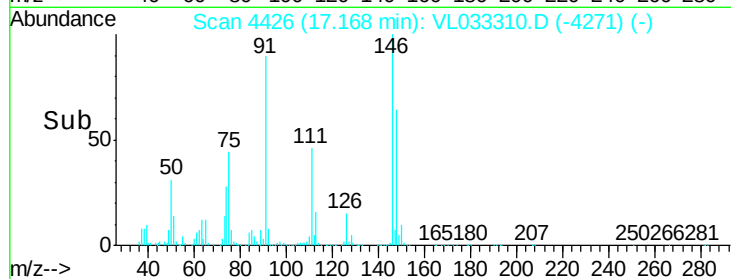
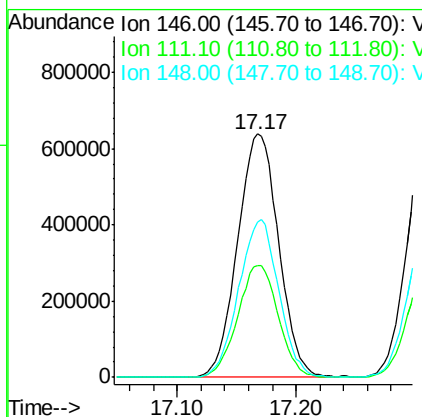
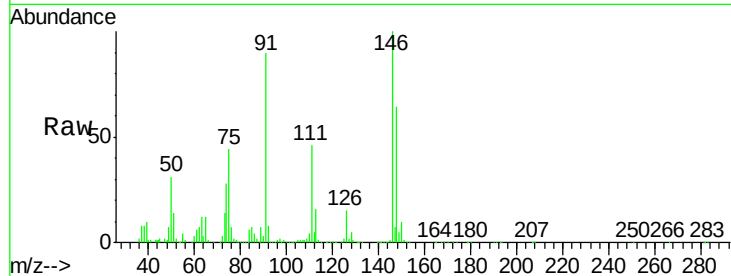
#75
 1,3-Dichlorobenzene
 Concen: 10.105 ppbv
 RT: 17.17 min Scan# 4426
 Delta R.T. -0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS02

Tgt Ion:146 Resp: 1522245
 Ion Ratio Lower Upper
 146 100
 111 45.6 22.9 68.7
 148 63.2 32.4 97.0

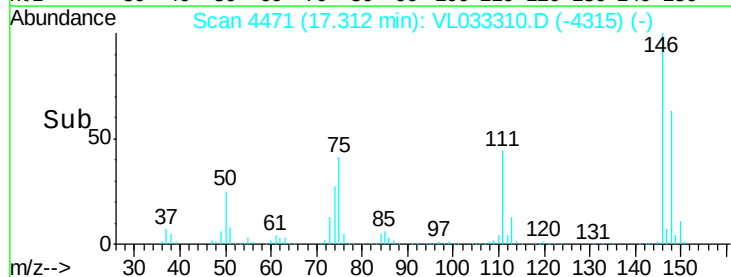
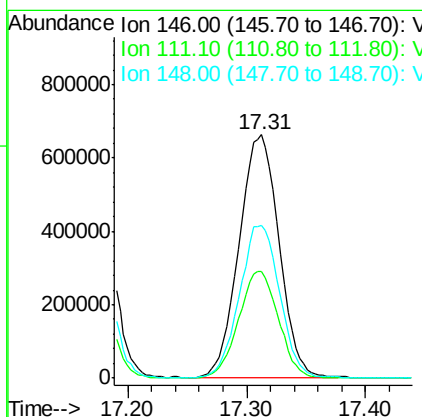
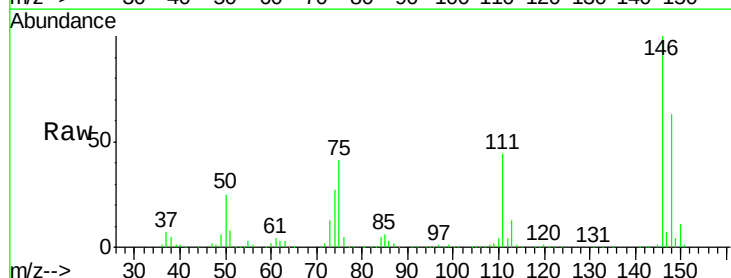
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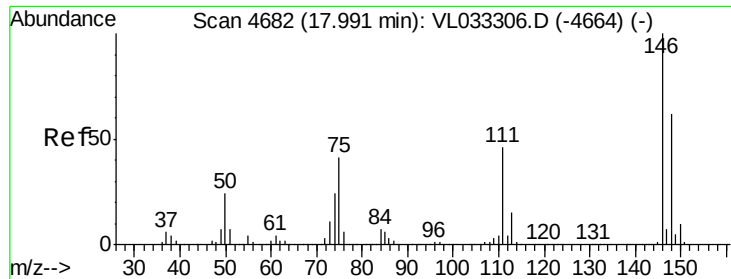
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#76
 1,4-Dichlorobenzene
 Concen: 10.436 ppbv
 RT: 17.31 min Scan# 4471
 Delta R.T. 0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Tgt Ion:146 Resp: 1535119
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.9 65.5
 148 63.9 31.8 95.4





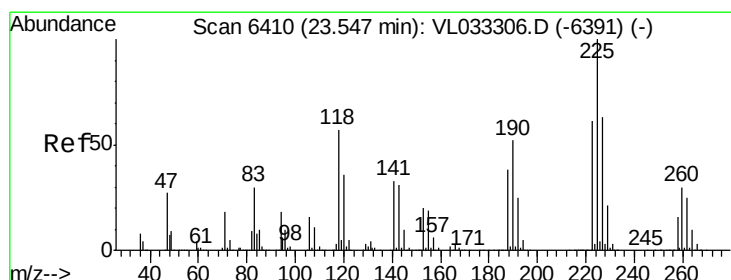
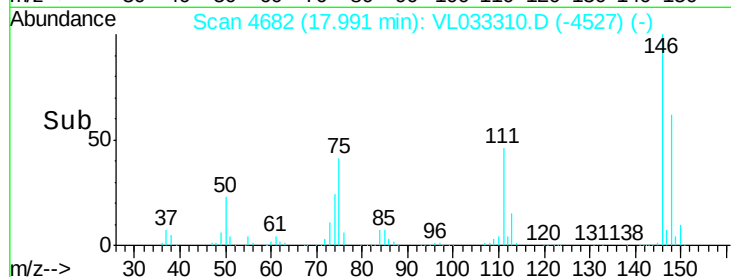
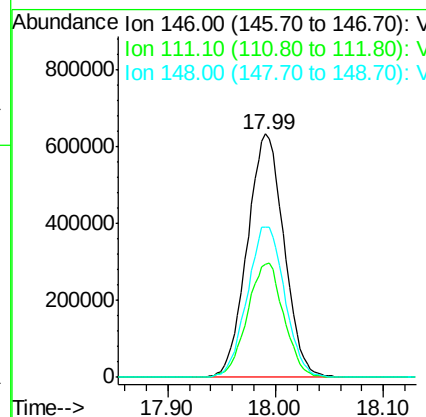
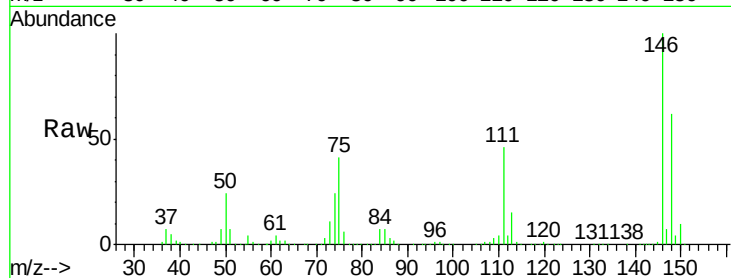
#77
 1,2-Dichlorobenzene
 Concen: 10.179 ppbv
 RT: 17.99 min Scan# 4682
 Delta R.T. -0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.2	69.6
148	63.2	32.0	96.0

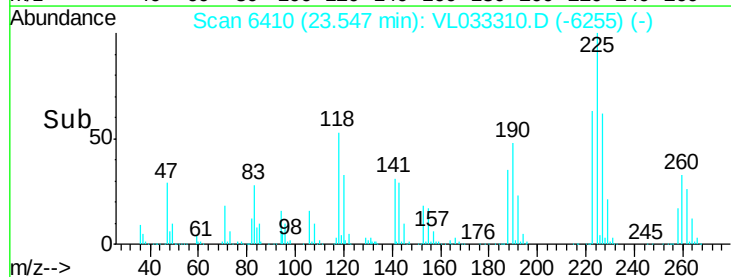
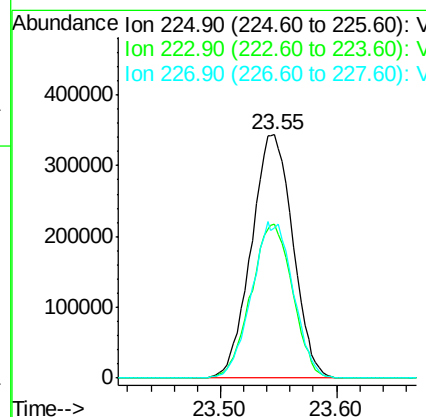
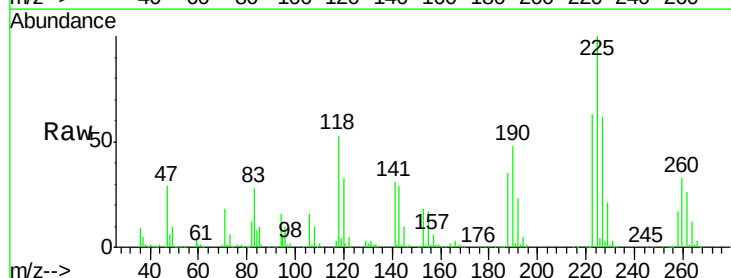
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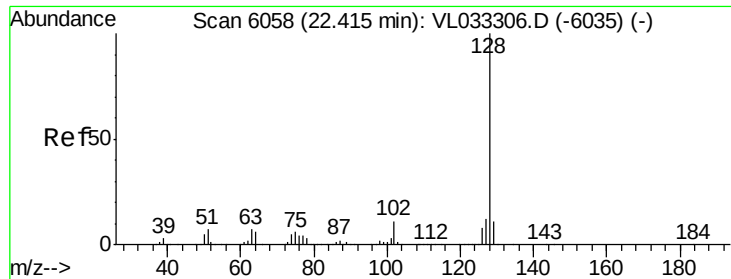
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.925 ppbv
 RT: 23.55 min Scan# 6410
 Delta R.T. -0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.3	75.5
227	64.0	51.2	76.8





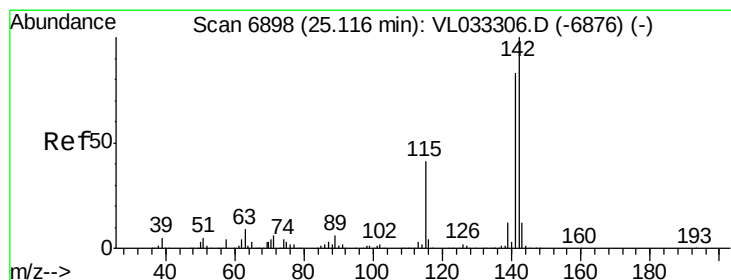
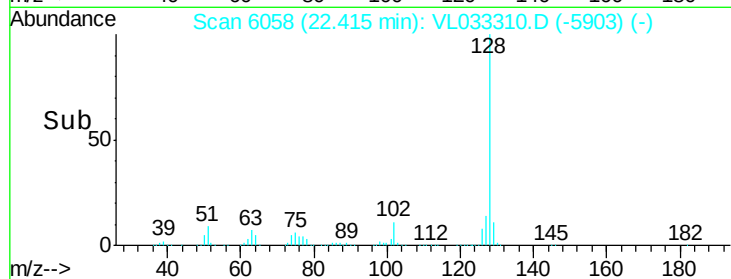
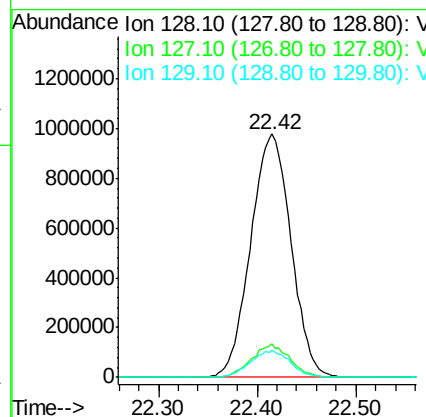
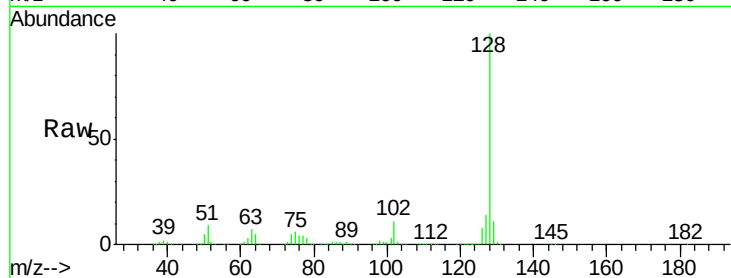
#79
Naphthalene
Concen: 13.950 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS02

Tgt Ion:128 Resp: 2758172
Ion Ratio Lower Upper
128 100
127 13.6 10.8 16.2
129 11.0 8.9 13.3

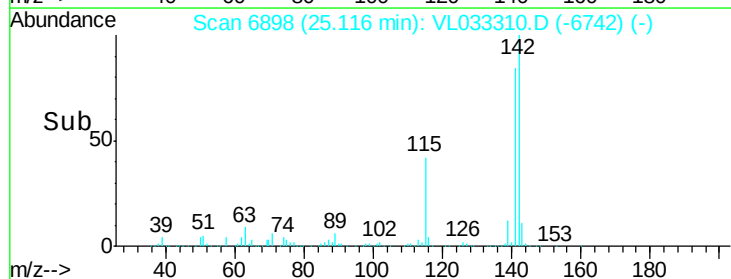
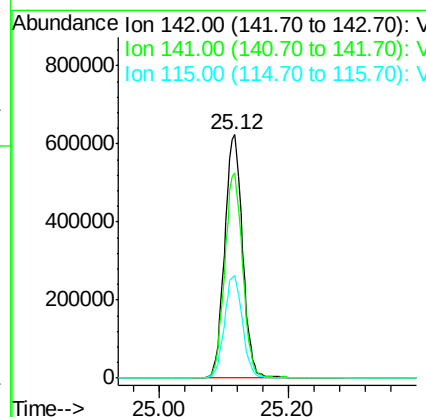
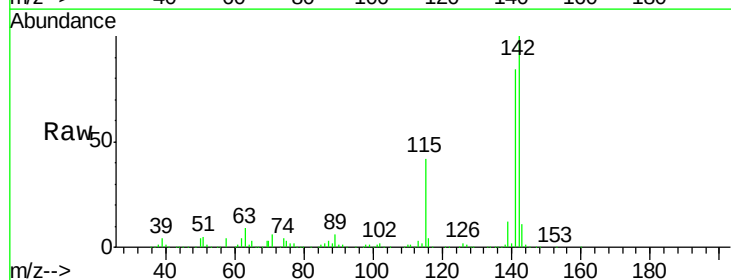
Manual Integrations
APPROVED

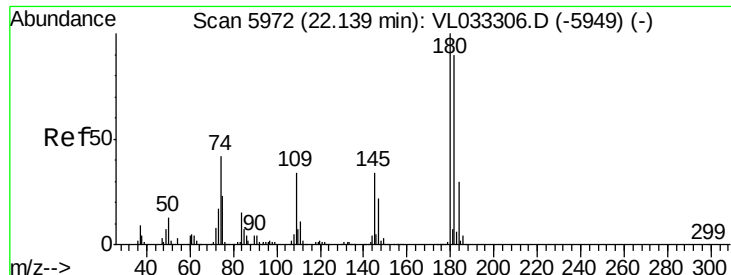
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#80
Naphthalene, 2-methyl-
Concen: 21.722 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. 0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Tgt Ion:142 Resp: 1202926
Ion Ratio Lower Upper
142 100
141 83.9 67.2 100.8
115 42.2 33.6 50.4





#81
 1,2,4-Trichlorobenzene
 Concen: 12.144 ppbv
 RT: 22.14 min Scan# 5972
 Delta R.T. -0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.4	114.6
184	30.7	24.6	36.8

Manual Integrations
 APPROVED

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