

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021920\
 Data File : VL034650.D
 Acq On : 19 Feb 2020 13:31
 Operator : SY/AP
 Sample : VL0219ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0219ABS01

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:24:02 PM

Quant Time: Feb 20 07:15:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 2020
 QLast Update : Thu Jan 30 17:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	887356	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1813543	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2036974	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1659700	9.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1329117	6.800	ppbv	95
3) Chlorodifluoromethane	2.95	51	1112420	10.375	ppbv	99
4) Chloromethane	3.10	50	671858	10.241	ppbv	98
5) Vinyl Chloride	3.22	62	636693	10.161	ppbv	97
6) Bromomethane	3.44	94	354605	10.880	ppbv	96
7) Chloroethane	3.52	64	249862	10.722	ppbv	99
8) Dichlorotetrafluoroethane	3.15	85	1606208	10.514	ppbv	98
9) Propene	2.97	41	396459	9.497	ppbv	99
10) Heptane	8.13	43	1143351	10.883	ppbv	98
11) Trichlorofluoromethane	3.92	101	1922979	10.831	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1286467	11.105	ppbv	99
13) Ethanol	3.57	45	111914	10.008	ppbv	100
14) Bromoethene	3.71	108	507806	11.175	ppbv	100
15) Acetone	3.82	43	1336641	10.249	ppbv	100
16) 1,3-Butadiene	3.29	39	580998	11.219	ppbv	99
17) tert-Butyl alcohol	4.27	59	1275496	13.299	ppbv	99
18) 1,1-Dichloroethene	4.26	96	555464	11.359	ppbv	93
19) Isopropyl Alcohol	3.94	45	983793	12.927	ppbv	99
20) Methylene Chloride	4.32	84	496326	9.995	ppbv	98
21) Allyl Chloride	4.39	41	917593	11.329	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	581565	11.356	ppbv	98
23) Vinyl Acetate	5.06	43	1581112	10.626	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1305604	10.510	ppbv	99
25) Ethyl Acetate	5.66	43	2165470	10.257	ppbv	99
26) Hexane	5.68	57	931146	10.529	ppbv	98
27) Carbon Disulfide	4.53	76	1478652	12.391	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	1611828	10.687	ppbv	99
29) Chloroform	5.74	83	1641822	10.499	ppbv	94
30) Cyclohexane	7.14	84	730921	11.154	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	993458	10.812	ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	1711033	10.190	ppbv	100
34) 2-Butanone	5.23	43	1329937	10.100	ppbv	99
35) Carbon Tetrachloride	7.02	117	1892493	10.915	ppbv	97
36) Benzene	6.90	78	1750157	10.852	ppbv	94
37) 1,2-Dichloroethane	6.31	62	1442997	10.724	ppbv	99
38) Trichloroethene	7.84	130	783403	11.524	ppbv	97
39) 1,2-Dichloropropane	7.62	63	703814	10.527	ppbv	98
40) 1,4-Dioxane	7.84	88	290727	11.312	ppbv #	1
41) Tetrahydrofuran	6.04	42	711188	10.353	ppbv	97
42) Bromodichloromethane	7.80	83	1836645	11.090	ppbv	97
43) Methyl Methacrylate	8.02	69	747456	11.523	ppbv	96

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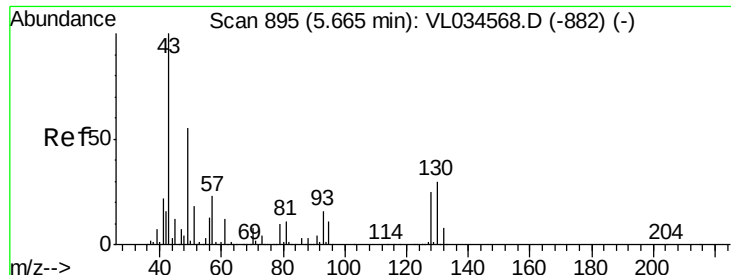
Manual Integrations
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Quant Time: Feb 20 07:15:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 2020
 QLast Update : Thu Jan 30 17:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3147583	10.757	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1070026	12.598	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1175046	12.172	ppbv	95
47) 1,1,2-Trichloroethane	9.49	97	782061	10.800	ppbv	99
48) Dibromochloromethane	10.33	129	1526451	11.504	ppbv	98
49) Bromoform	13.08	173	1382587	11.868	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2061822	10.980	ppbv	99
51) 2-Hexanone	10.15	43	1689089	11.426	ppbv	100
52) Tetrachloroethene	11.25	164	694634	10.722	ppbv	99
53) Toluene	9.82	91	2088930	11.791	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1211972	11.169	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.15	131	1031130	10.253	ppbv	100
57) Chlorobenzene	12.18	112	1681418	10.031	ppbv	99
58) Ethyl Benzene	12.74	91	2904003	10.654	ppbv	98
59) m/p-Xylene	13.03	91	4942389m	20.512	ppbv	
60) o-Xylene	13.73	91	2533682	10.470	ppbv	100
61) Styrene	13.56	104	1805577	11.190	ppbv	99
62) Isopropylbenzene	14.70	105	3241429	10.337	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	1751016	9.356	ppbv	99
64) n-propylbenzene	15.59	120	840665	10.420	ppbv	92
65) tert-Butylbenzene	16.78	119	2959664	10.418	ppbv	99
66) Benzyl Chloride	17.03	91	1421425	11.932	ppbv	100
67) sec-Butylbenzene	17.33	105	4002135	10.250	ppbv	99
69) p-Isopropyltoluene	17.69	119	3369888	10.630	ppbv	100
70) n-Butylbenzene	18.59	91	3512586	10.438	ppbv	99
71) 2-Chlorotoluene	15.49	91	2525415	10.610	ppbv	100
72) 4-Ethyltoluene	15.88	105	2808103	10.564	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2731715	10.517	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	2888250	10.045	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	1631253	9.853	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1597707	9.791	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1524688	9.586	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1447984	9.520	ppbv	100
79) Naphthalene	22.26	128	2456371	10.851	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	1322808	15.189	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	1512426	10.837	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

Tot Ion: 49 Resp: 887356

Ion Ratio Lower Upper

49 100

128 46.1 22.7 68.1

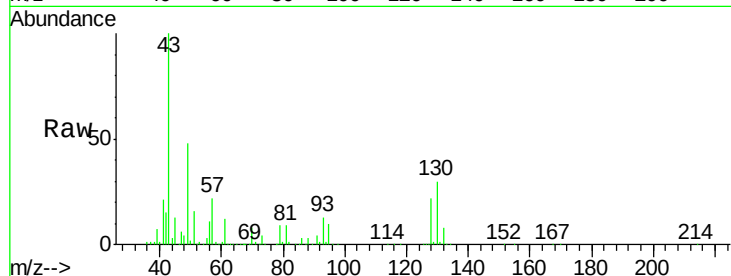
130 59.5 28.6 85.8

Manual Integrations

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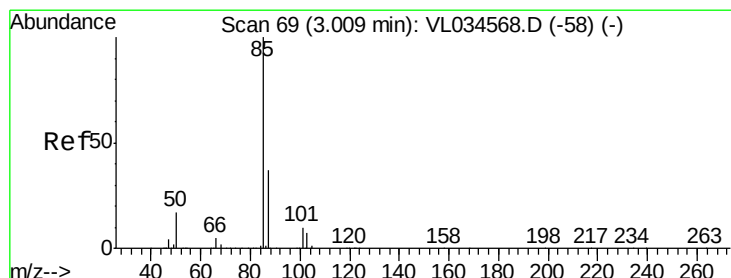
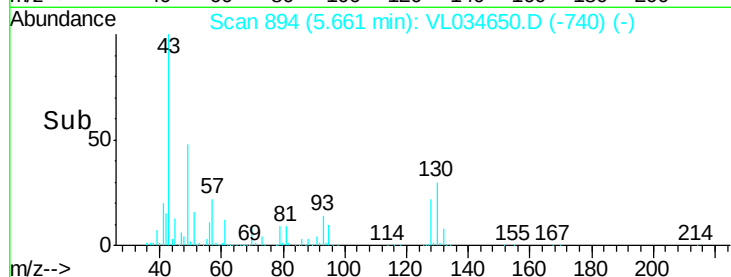
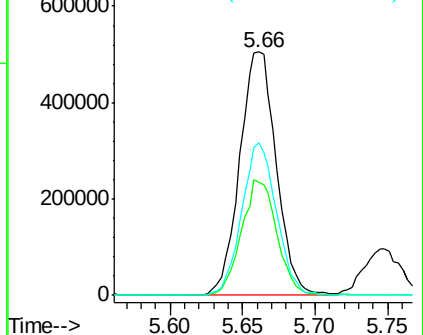
2/21/2020 3:24:02 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 6.800 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL034650.D

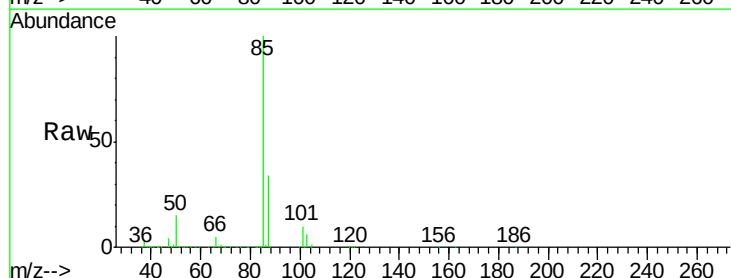
Acq: 19 Feb 2020 13:31

Tgt Ion: 85 Resp: 1329117

Ion Ratio Lower Upper

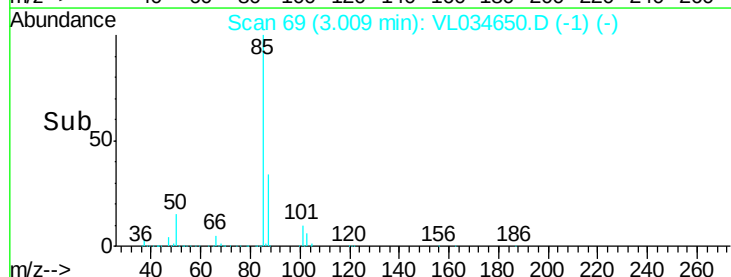
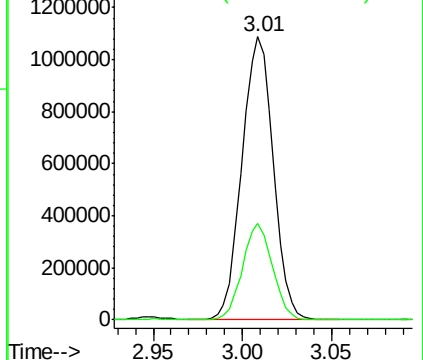
85 100

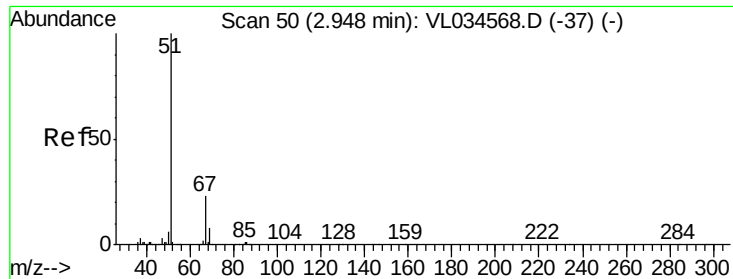
87 34.0 29.5 44.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

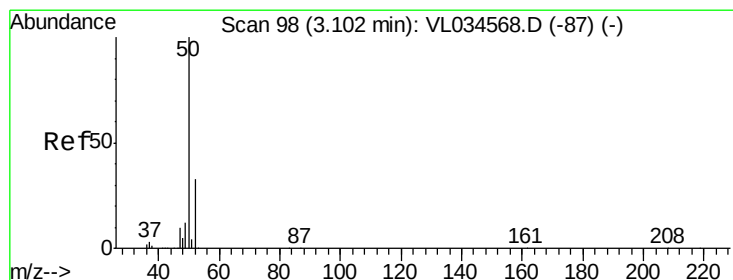
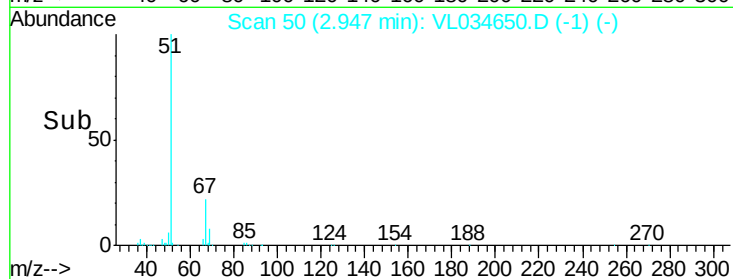
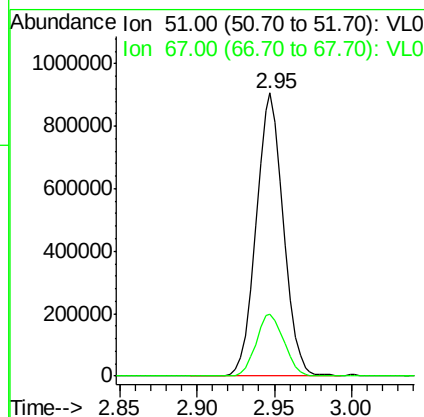
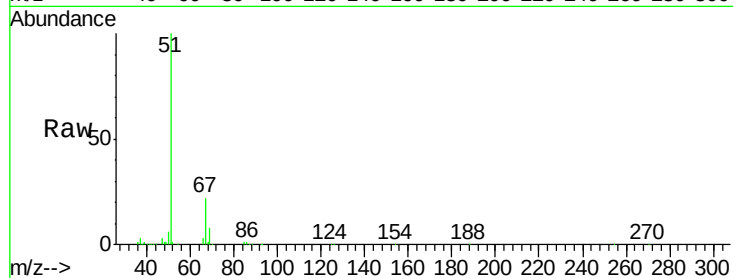
Chlorodifluoromethane
Concen: 10.375 ppbv
RT: 2.95 min Scan# 50
Delta R.T. -0.00 min
Lab File: VL034650.D
Acq: 19 Feb 2020 13:31

Instrument :
MSVOA_L
ClientSampleId :
VL0219ABS01

Tot Ion: 51 Resp: 1112420
Ion Ratio Lower Upper
51 100
67 22.6 17.8 26.8

Manual Integrations
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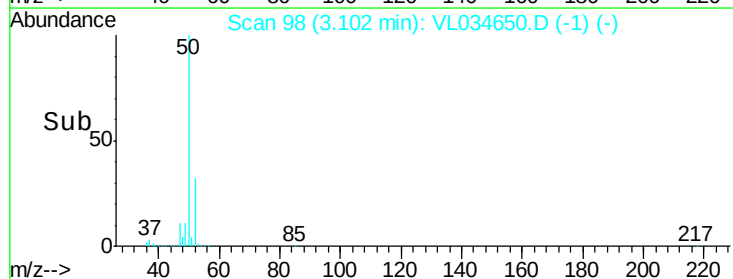
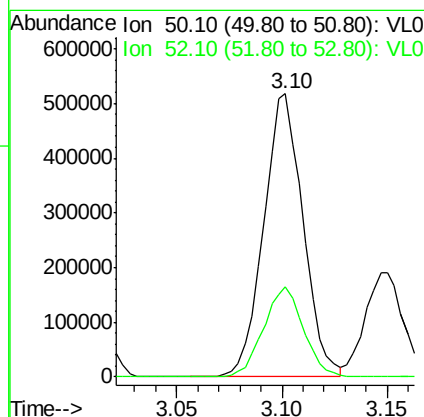
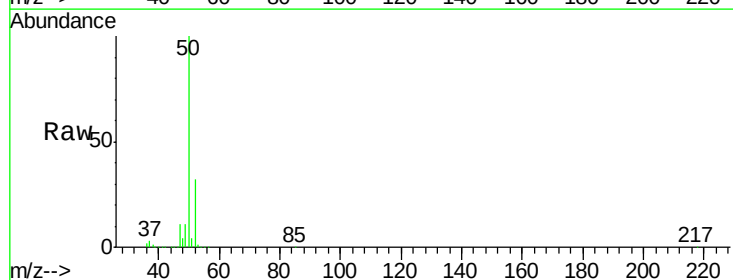
MMDadoda
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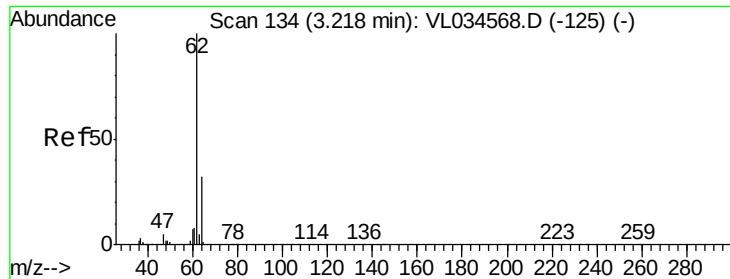


#4

Chloromethane
Concen: 10.241 ppbv
RT: 3.10 min Scan# 98
Delta R.T. -0.00 min
Lab File: VL034650.D
Acq: 19 Feb 2020 13:31

Tgt Ion: 50 Resp: 671858
Ion Ratio Lower Upper
50 100
52 32.0 26.6 39.8





#5

Vinyl Chloride

Concen: 10.161 ppbv

RT: 3.22 min Scan# 134

Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

Tot Ion: 62 Resp: 636693

Ion Ratio Lower Upper

62 100

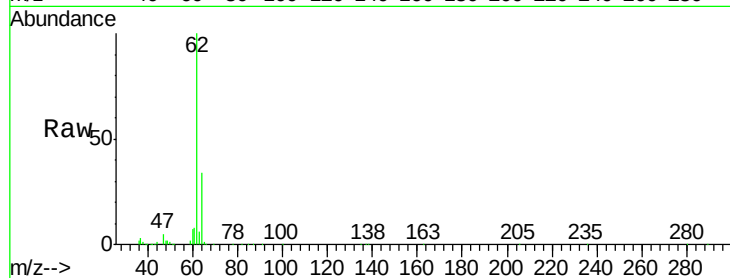
64 34.0 25.8 38.6

Manual Integrations

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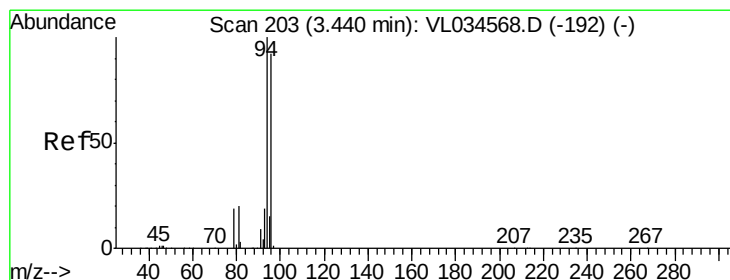
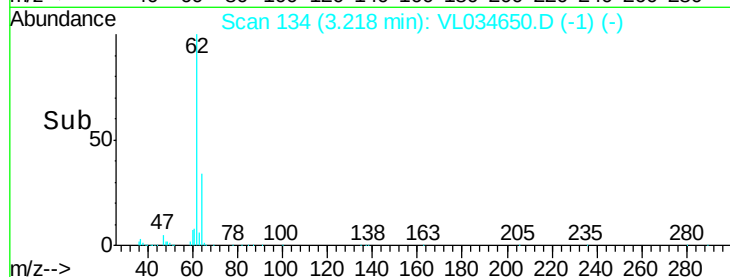
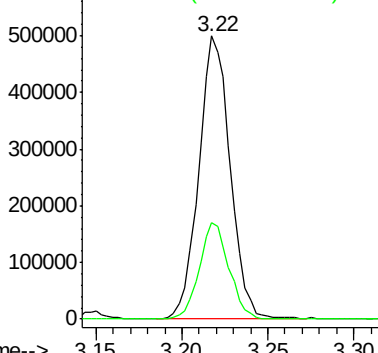
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.880 ppbv

RT: 3.44 min Scan# 202

Delta R.T. -0.00 min

Lab File: VL034650.D

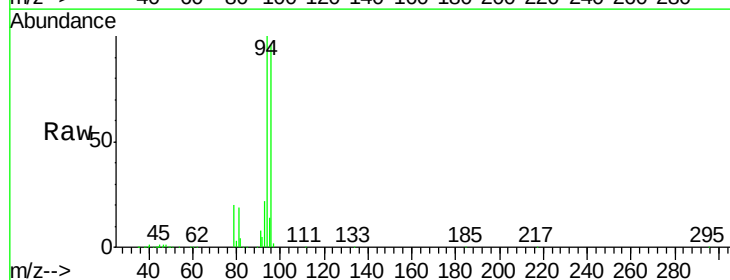
Acq: 19 Feb 2020 13:31

Tgt Ion: 94 Resp: 354605

Ion Ratio Lower Upper

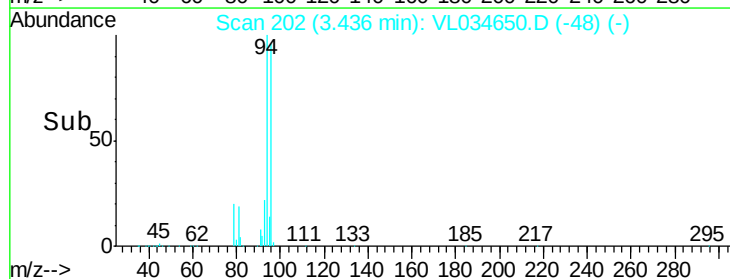
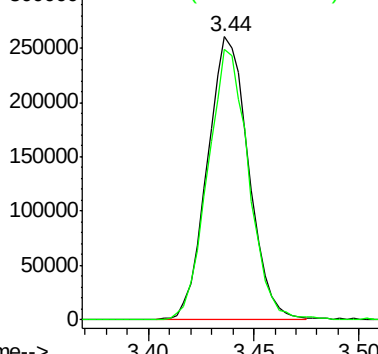
94 100

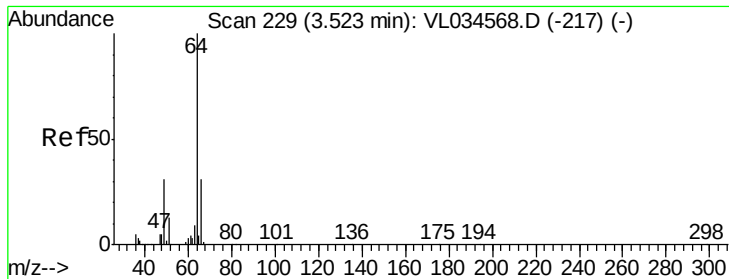
96 95.7 73.8 110.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.722 ppbv

RT: 3.52 min Scan# 229

Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

Tot Ion: 64 Resp: 249862

Ion Ratio Lower Upper

64 100

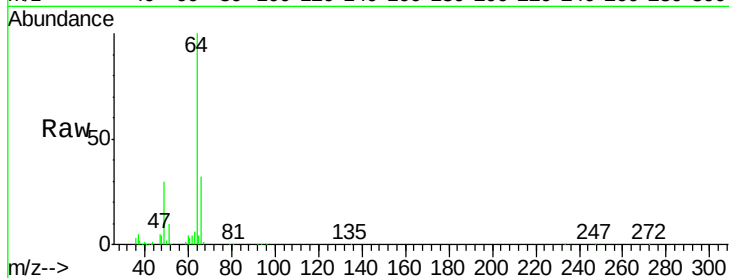
66 31.8 25.0 37.4

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.52

200000

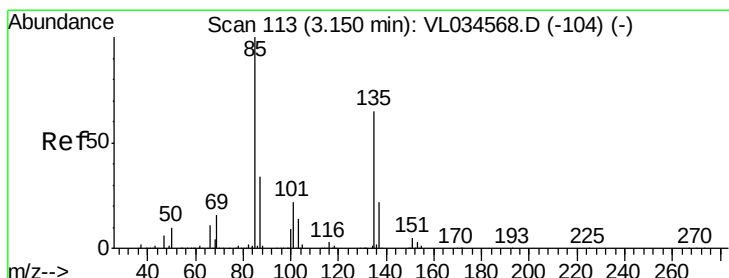
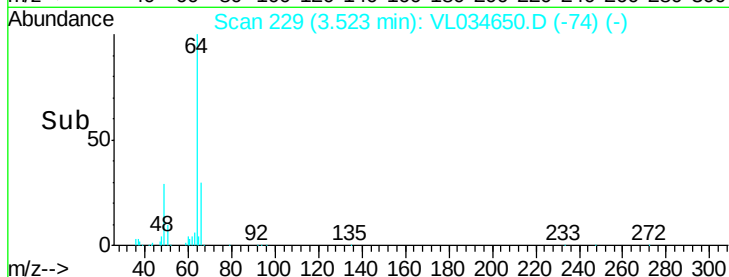
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.514 ppbv

RT: 3.15 min Scan# 113

Delta R.T. -0.00 min

Lab File: VL034650.D

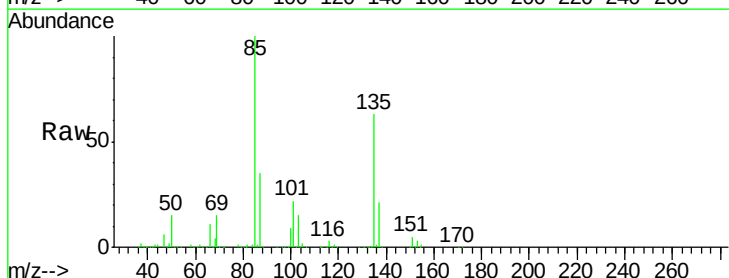
Acq: 19 Feb 2020 13:31

Tgt Ion: 85 Resp: 1606208

Ion Ratio Lower Upper

85 100

135 64.0 52.2 78.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.15

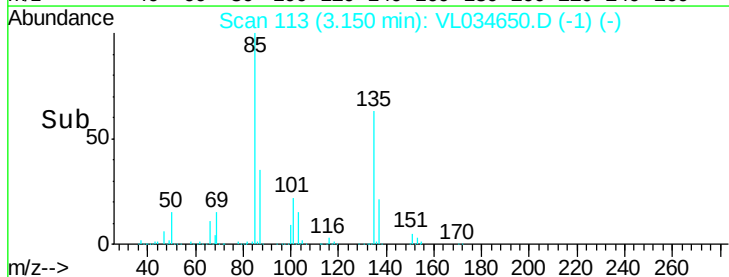
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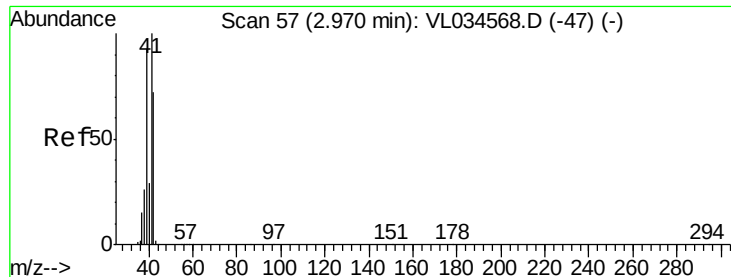
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500000

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Time-->





#9

Propene

Concen: 9.497 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

Tot Ion: 41 Resp: 396459

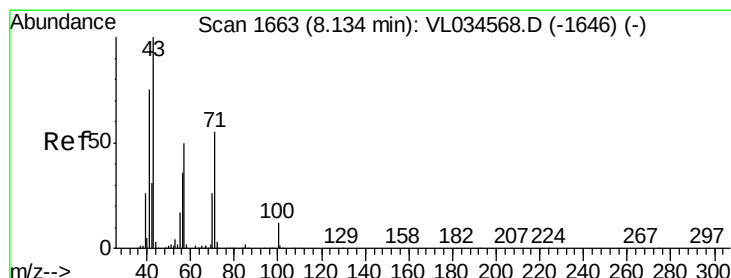
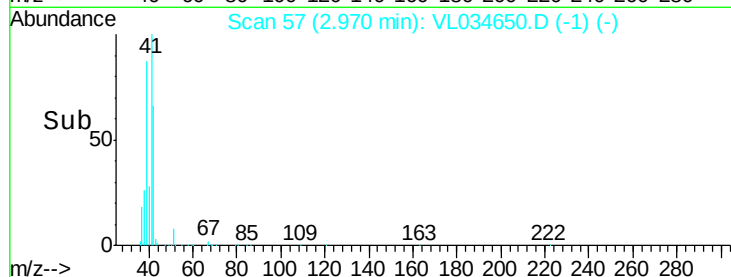
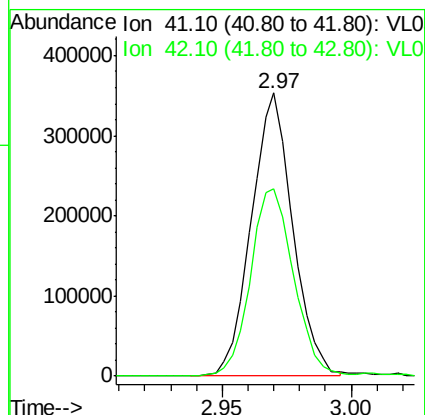
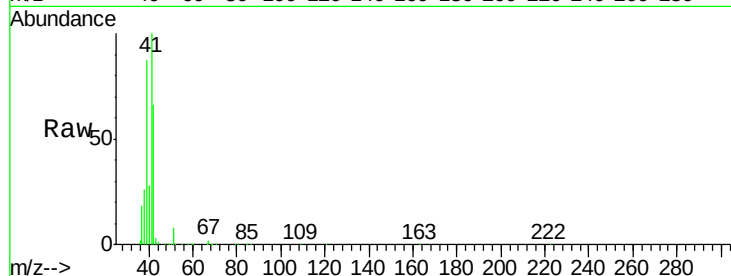
Ion Ratio Lower Upper

41 100

42 70.0 57.0 85.4

Manual Integrations
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#10

Heptane

Concen: 10.883 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VL034650.D

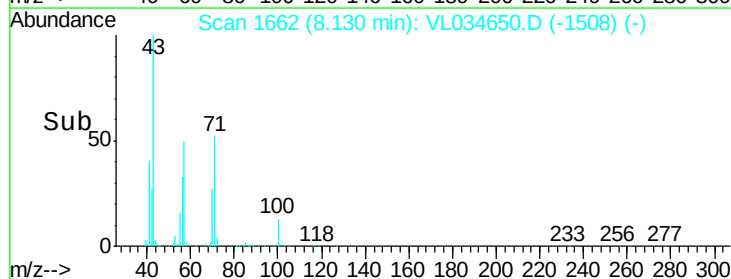
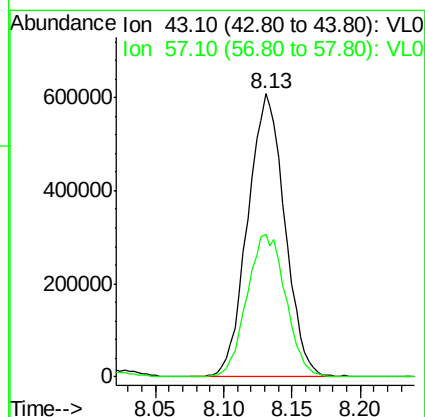
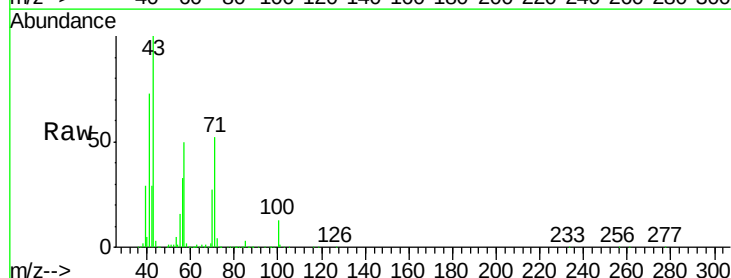
Acq: 19 Feb 2020 13:31

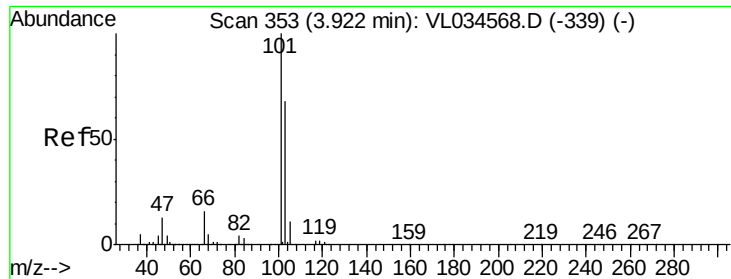
Tgt Ion: 43 Resp: 1143351

Ion Ratio Lower Upper

43 100

57 52.9 41.2 61.8





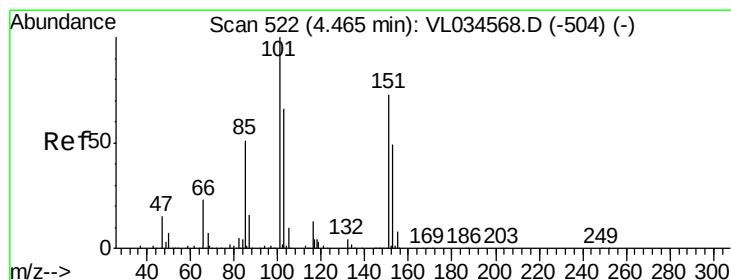
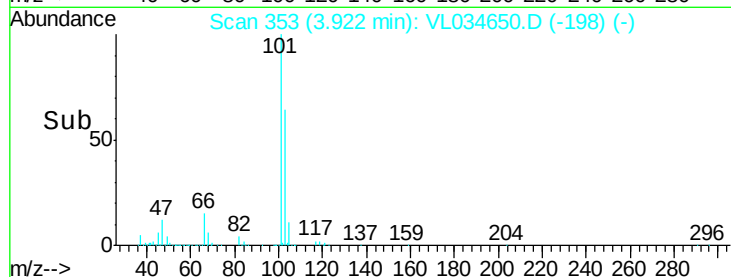
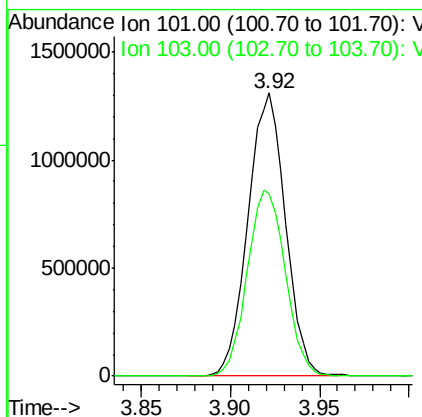
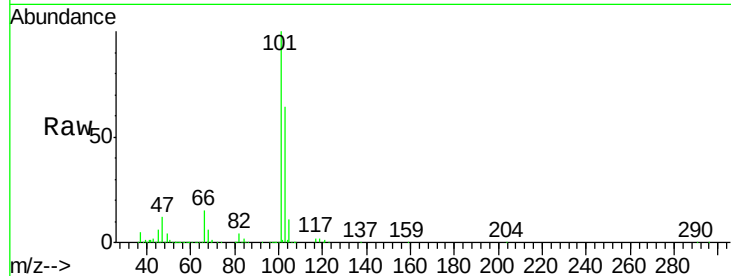
#11
 Trichlorofluoromethane
 Concen: 10.831 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: VL034650.D
 Acq: 19 Feb 2020 13:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0219ABS01

Tot Ion:101 Resp: 1922979
 Ion Ratio Lower Upper
 101 100
 103 64.2 54.4 81.6

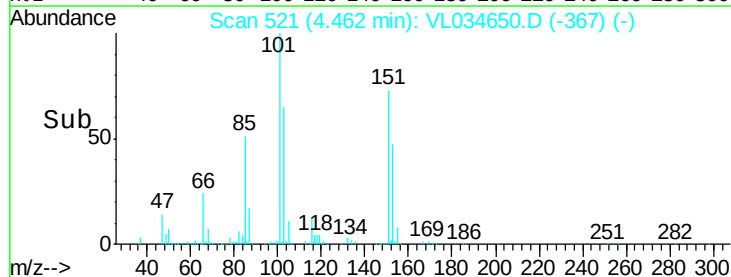
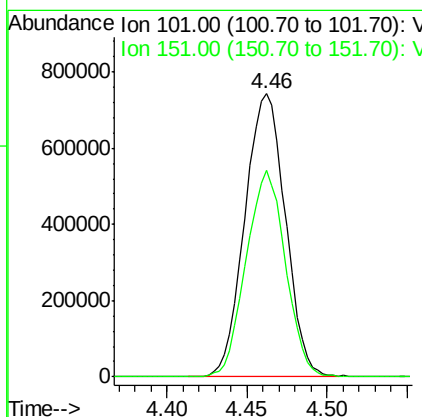
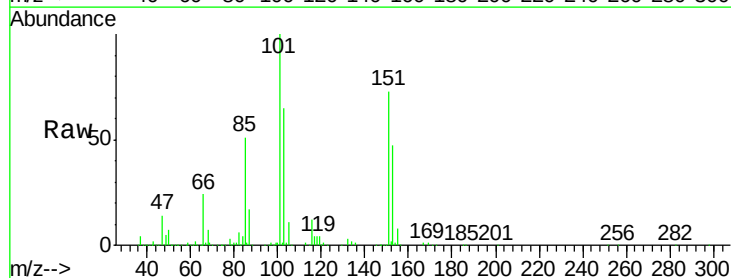
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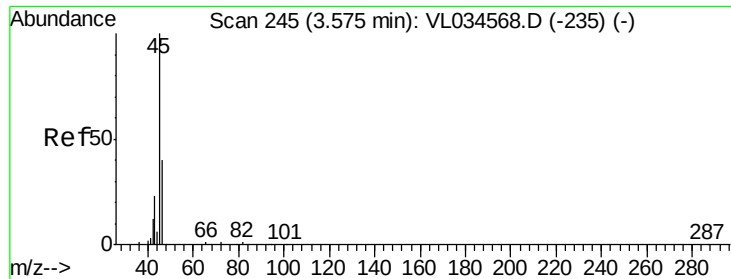
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.105 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.00 min
 Lab File: VL034650.D
 Acq: 19 Feb 2020 13:31

Tgt Ion:101 Resp: 1286467
 Ion Ratio Lower Upper
 101 100
 151 70.8 57.0 85.6





#13

Ethanol

Concen: 10.008 ppbv

RT: 3.57 min Scan# 245

Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

Tot Ion: 45 Resp: 111914

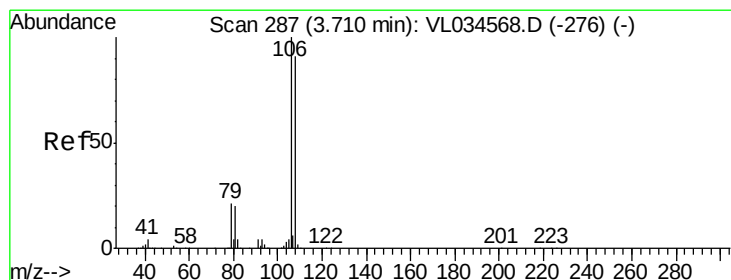
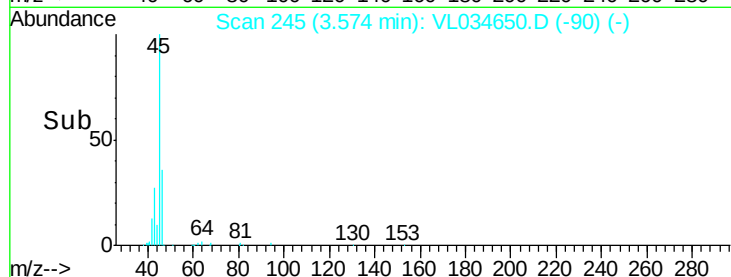
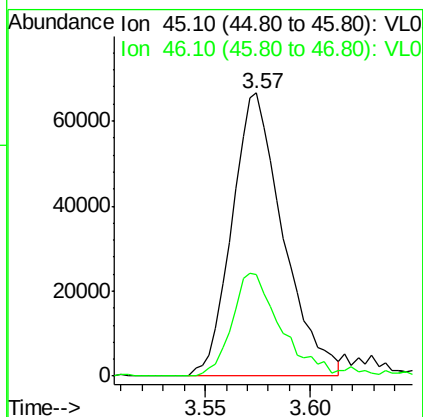
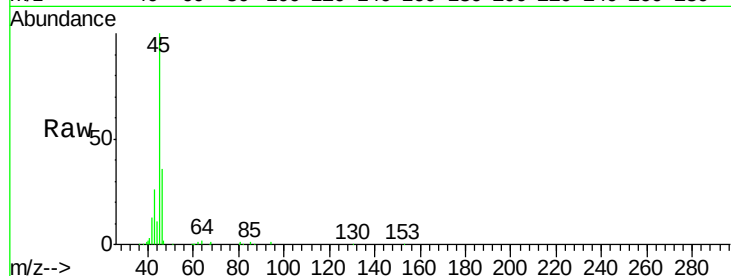
Ion Ratio Lower Upper

45 100

46 36.8 14.8 59.2

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#14

Bromoethene

Concen: 11.175 ppbv

RT: 3.71 min Scan# 286

Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

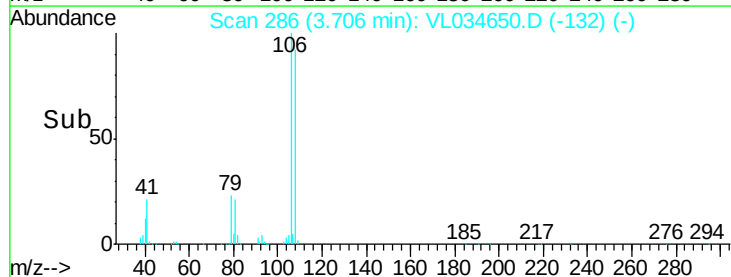
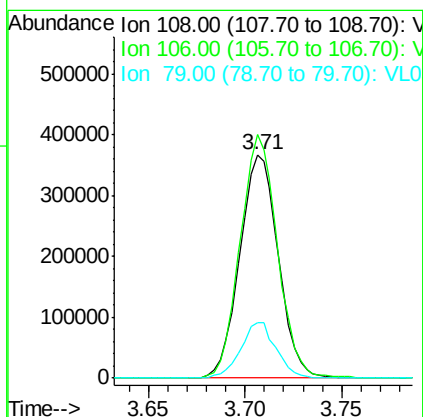
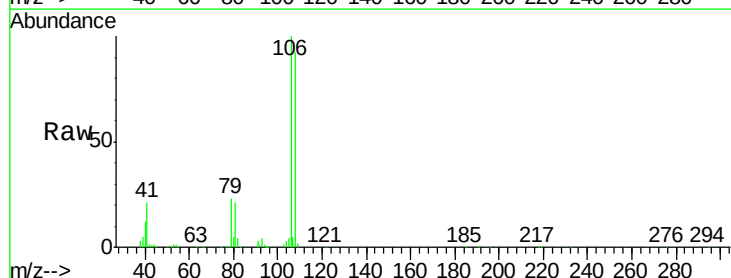
Tgt Ion: 108 Resp: 507806

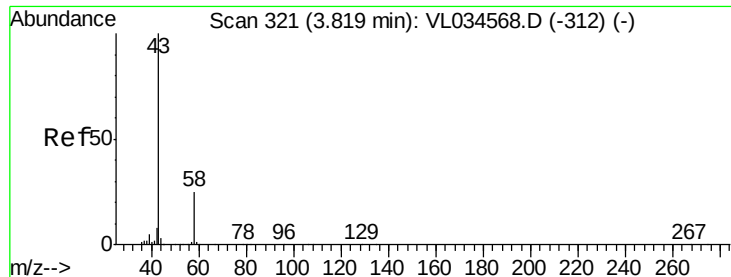
Ion Ratio Lower Upper

108 100

106 106.0 84.6 127.0

79 23.5 18.2 27.2





#15

Acetone

Concen: 10.249 ppbv

RT: 3.82 min Scan# 321

Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

Instrument :

MSVOA_L

ClientSampled :

VL0219ABS01

Tot Ion: 43 Resp: 1336641

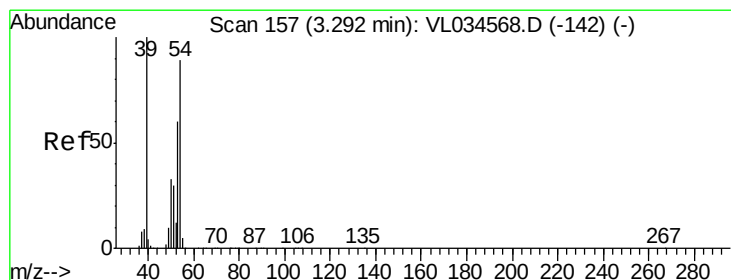
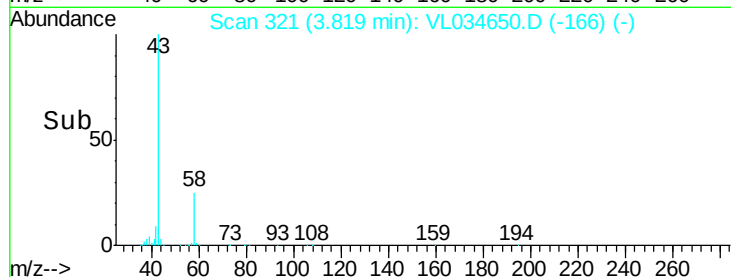
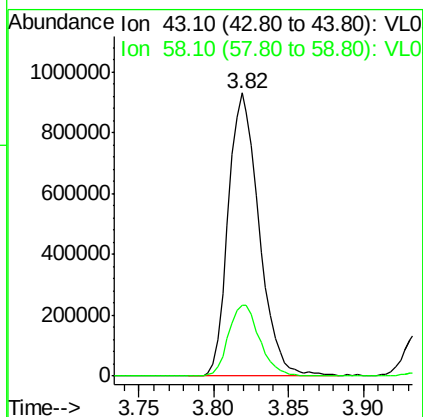
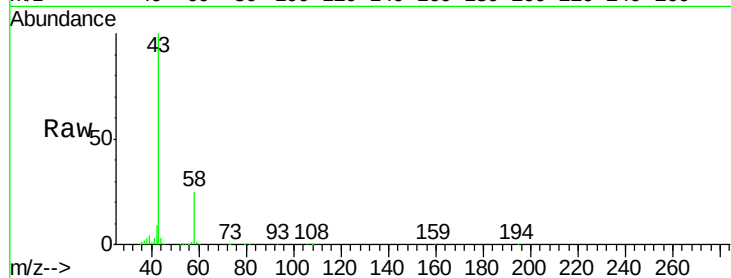
Ion Ratio Lower Upper

43 100

58 25.4 20.3 30.5

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#16

1,3-Butadiene

Concen: 11.219 ppbv

RT: 3.29 min Scan# 157

Delta R.T. -0.00 min

Lab File: VL034650.D

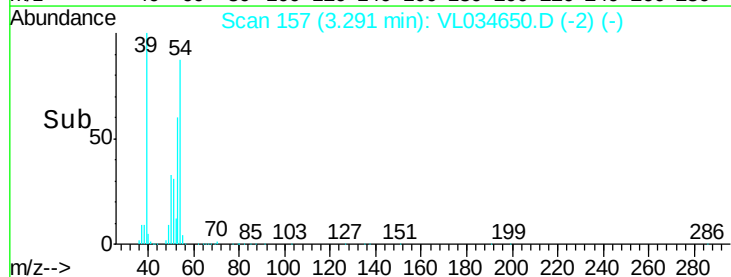
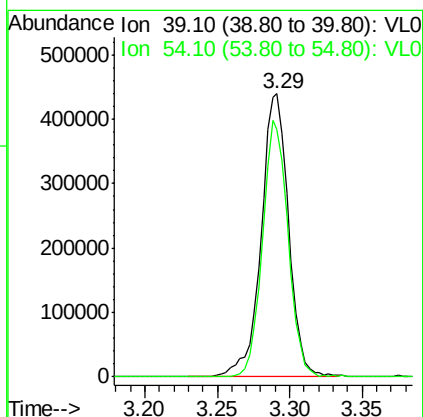
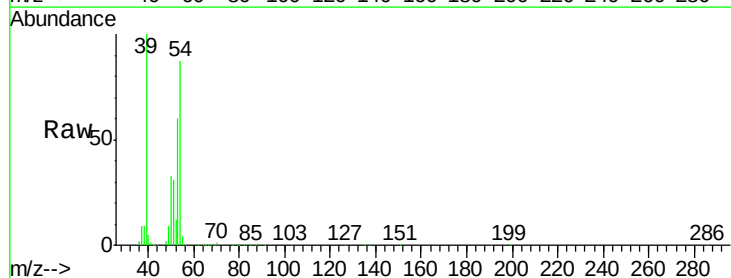
Acq: 19 Feb 2020 13:31

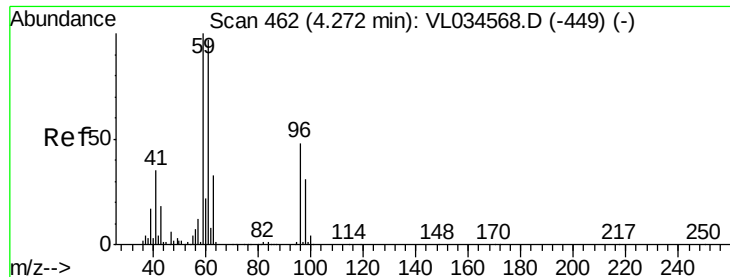
Tgt Ion: 39 Resp: 580998

Ion Ratio Lower Upper

39 100

54 84.6 66.7 100.1





#17

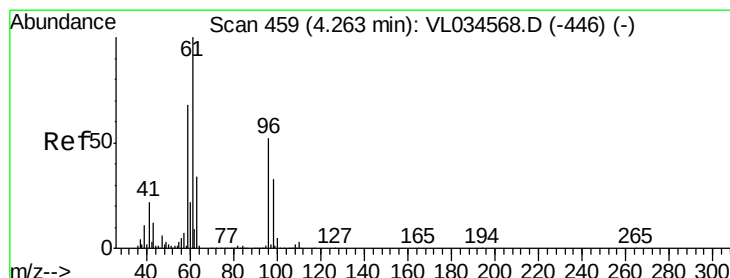
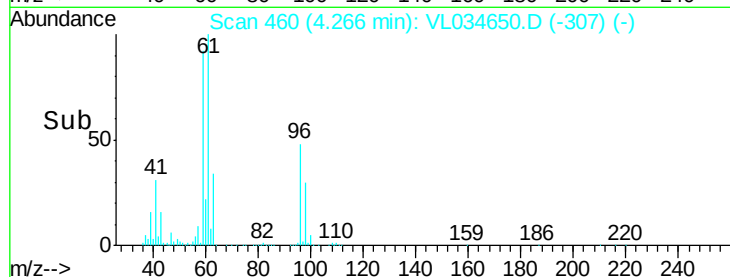
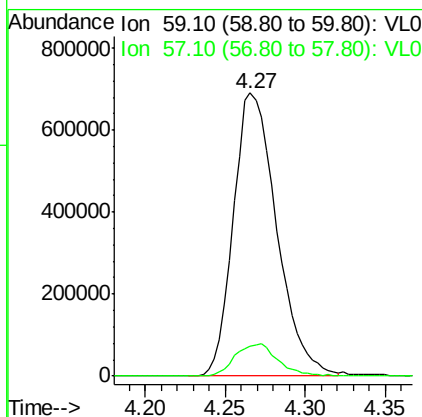
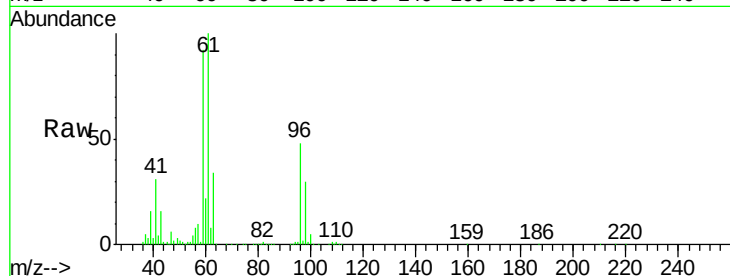
tert-Butyl alcohol
 Concen: 13.299 ppbv
 RT: 4.27 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: VL034650.D
 Acq: 19 Feb 2020 13:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0219ABS01

Tot Ion: 59 Resp: 1275496
 Ion Ratio Lower Upper
 59 100
 57 11.3 8.7 13.1

Manual Integrations
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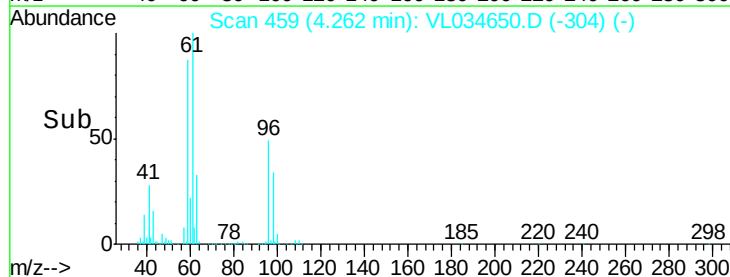
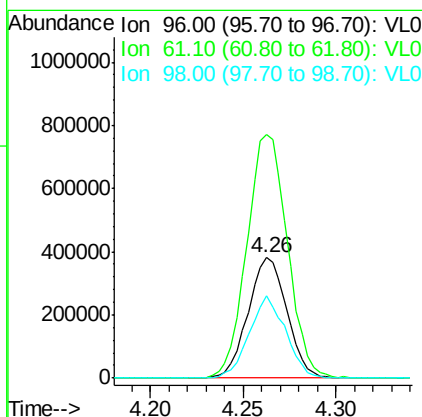
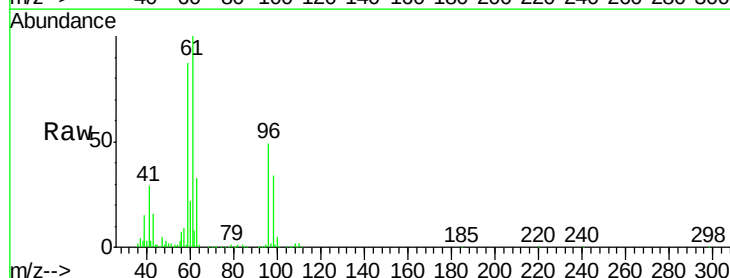
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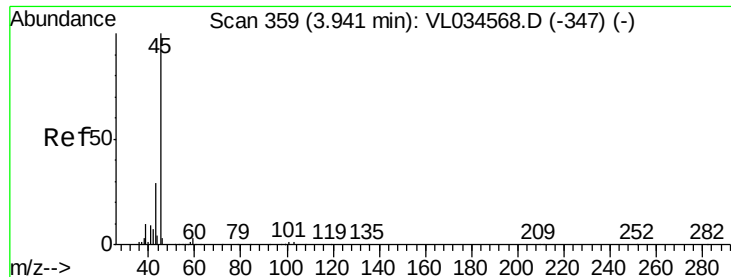


#18

1,1-Dichloroethene
 Concen: 11.359 ppbv
 RT: 4.26 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: VL034650.D
 Acq: 19 Feb 2020 13:31

Tgt Ion: 96 Resp: 555464
 Ion Ratio Lower Upper
 96 100
 61 202.5 154.5 231.7
 98 68.4 50.3 75.5





#19

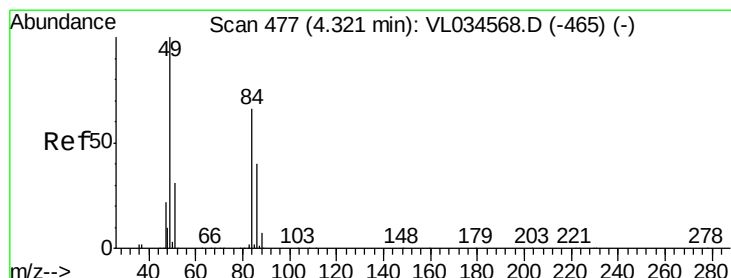
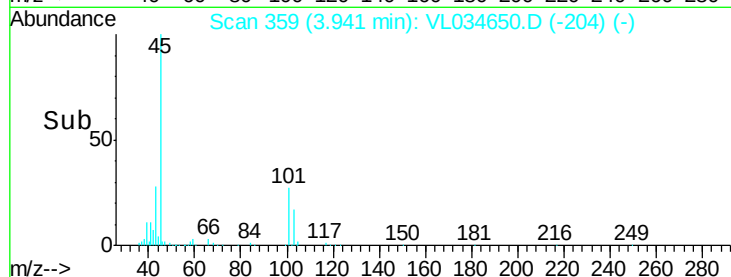
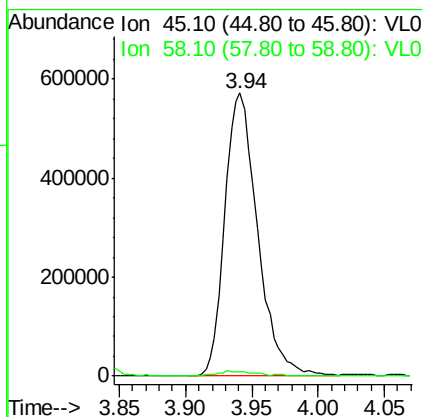
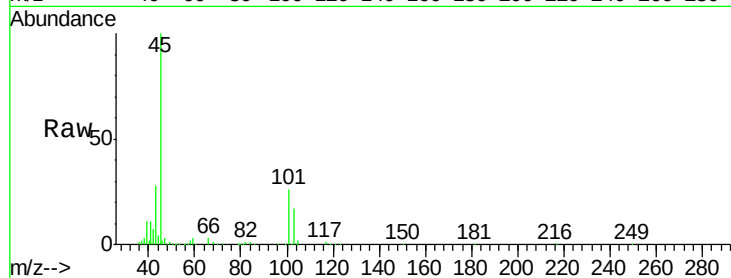
Isopropyl Alcohol
 Concen: 12.927 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. -0.00 min
 Lab File: VL034650.D
 Acq: 19 Feb 2020 13:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0219ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.4	1.7	2.5

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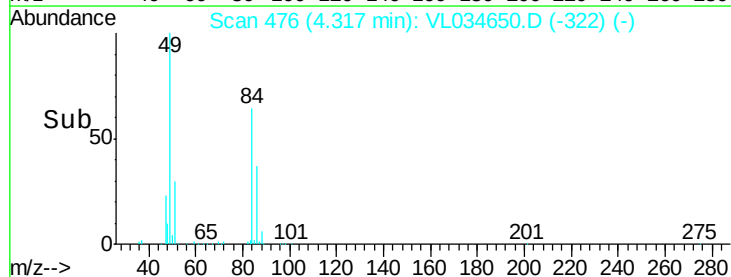
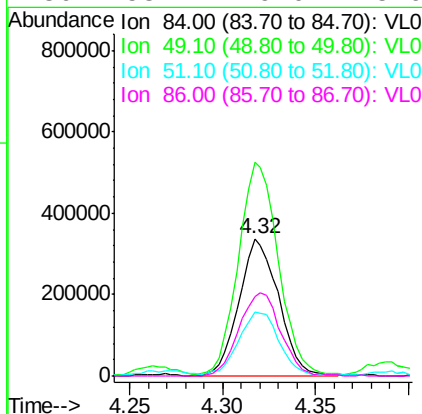
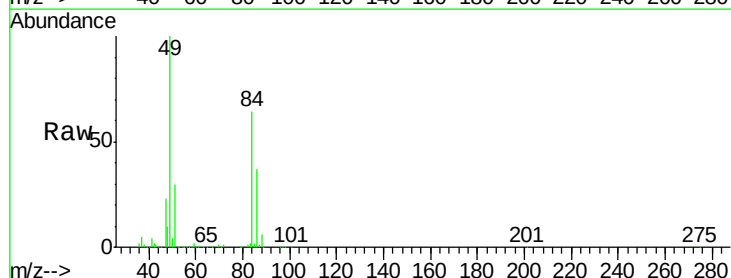
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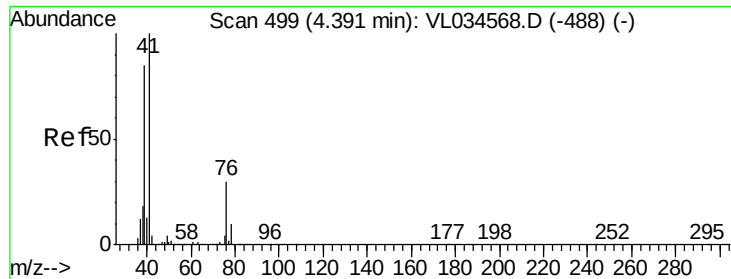


#20

Methylene Chloride
 Concen: 9.995 ppbv
 RT: 4.32 min Scan# 476
 Delta R.T. -0.00 min
 Lab File: VL034650.D
 Acq: 19 Feb 2020 13:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.8	122.4	183.6
51	46.0	38.6	57.8
86	58.1	49.0	73.6





#21

Allvl Chloride

Concen: 11.329 ppbv

RT: 4.39 min Scan# 498

Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

Instrument :

MSVOA_L

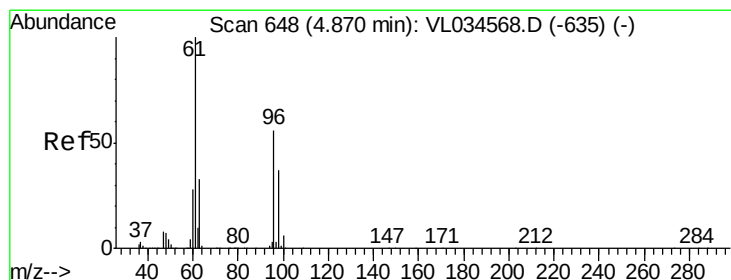
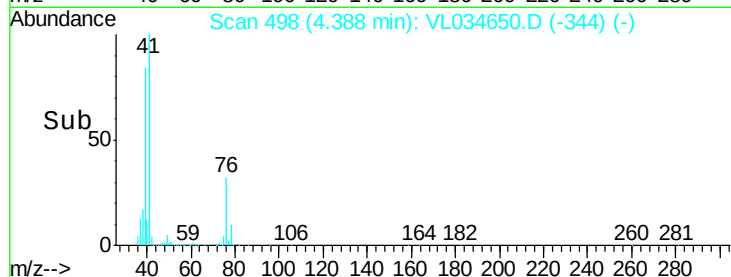
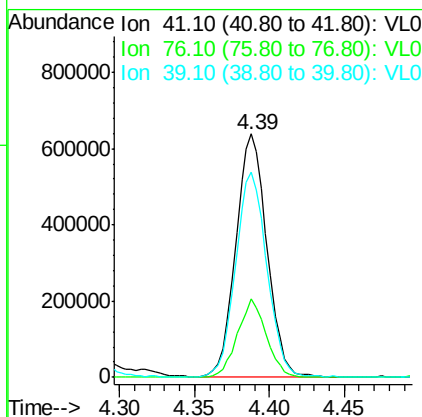
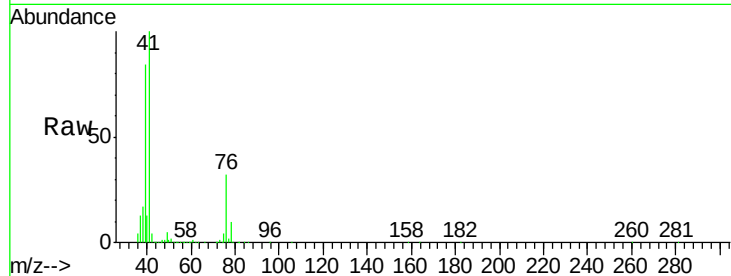
ClientSampleId :

VL0219ABS01

Tot Ion:	41	Resp:	917593
Ion Ratio		Lower	Upper
41	100		
76	30.2	24.2	36.2
39	86.1	68.3	102.5

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 11.356 ppbv

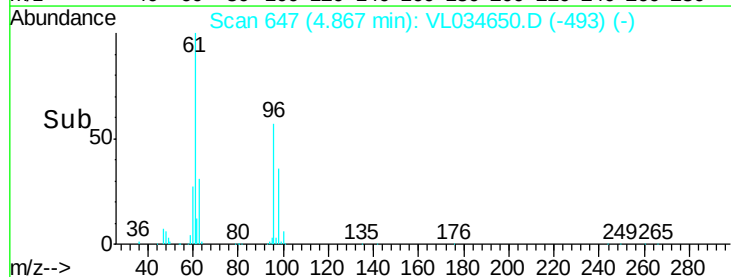
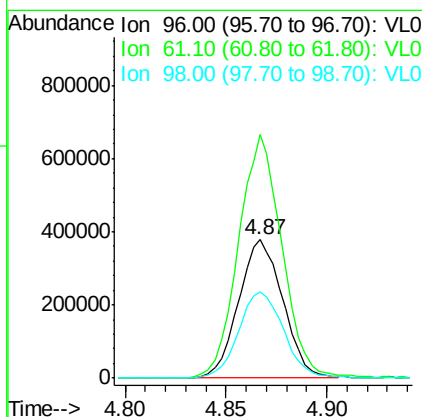
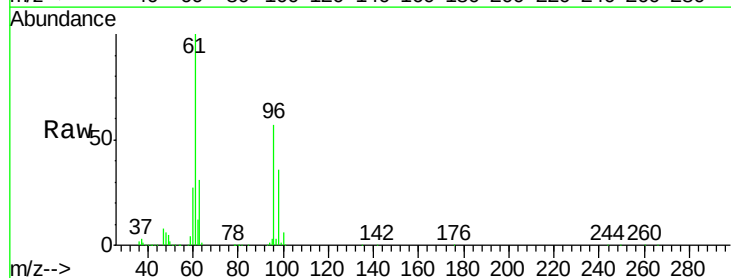
RT: 4.87 min Scan# 647

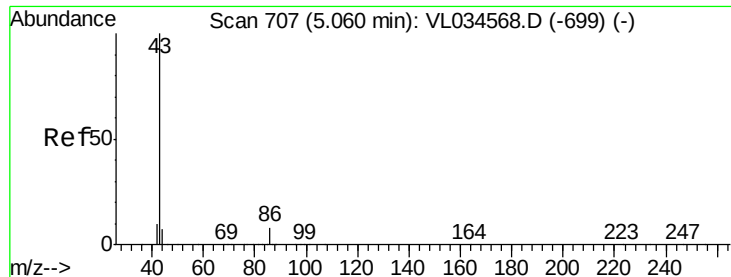
Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

Tgt Ion:	96	Resp:	581565
Ion Ratio		Lower	Upper
96	100		
61	175.4	141.9	212.9
98	62.4	53.1	79.7





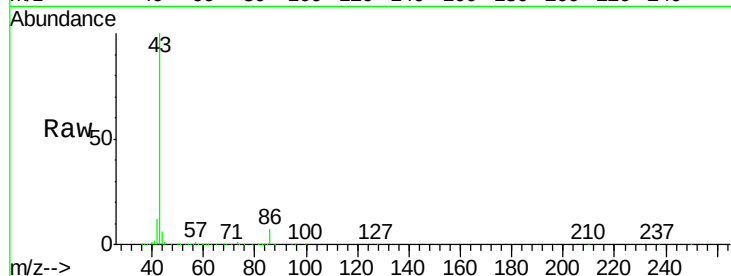
#23
 Vinyl Acetate
 Concen: 10.626 ppbv
 RT: 5.06 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VL034650.D
 Acq: 19 Feb 2020 13:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0219ABS01

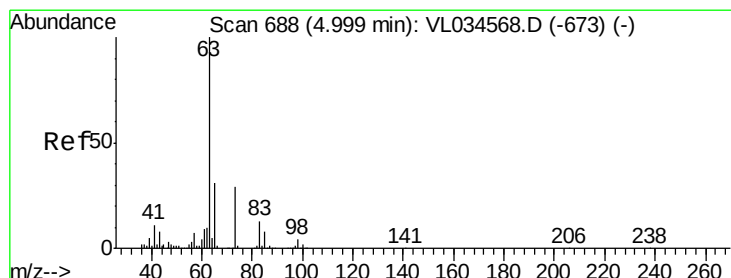
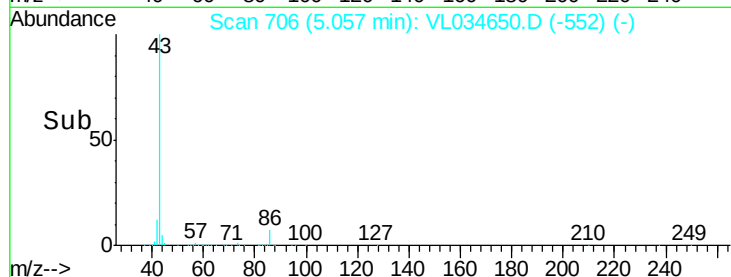
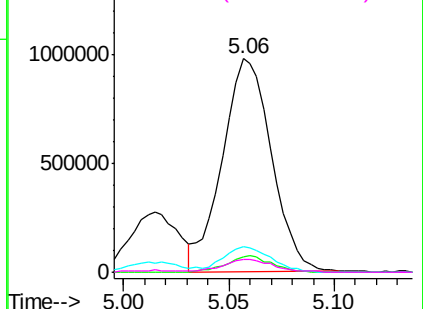
Tot Ion:	43	Resp:	1581112
Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.9	8.9
42	11.6	8.8	13.2
44	5.5	5.0	7.6

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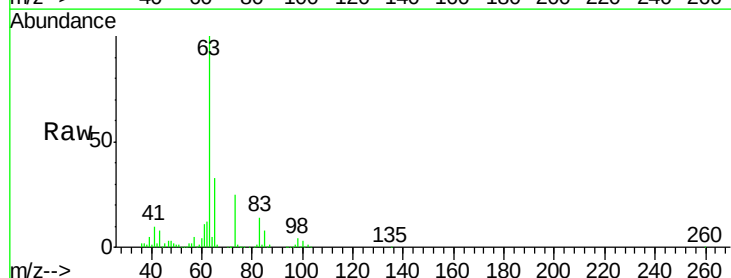


Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0

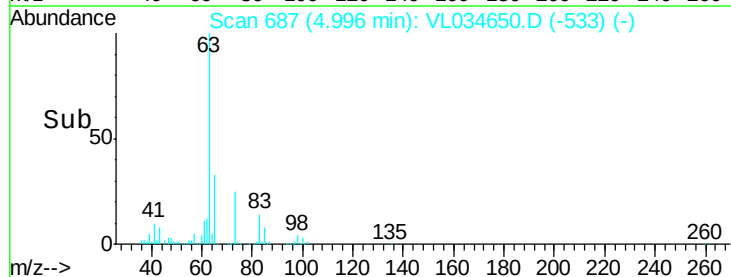
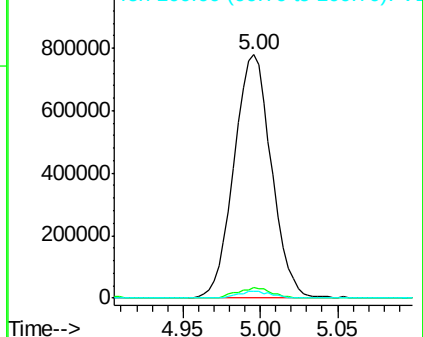


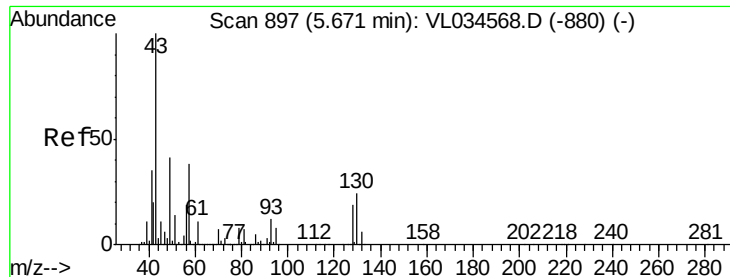
#24
 1,1-Dichloroethane
 Concen: 10.510 ppbv
 RT: 5.00 min Scan# 687
 Delta R.T. -0.00 min
 Lab File: VL034650.D
 Acq: 19 Feb 2020 13:31

Tgt Ion:	63	Resp:	1305604
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.2
100	3.0	1.1	3.5



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





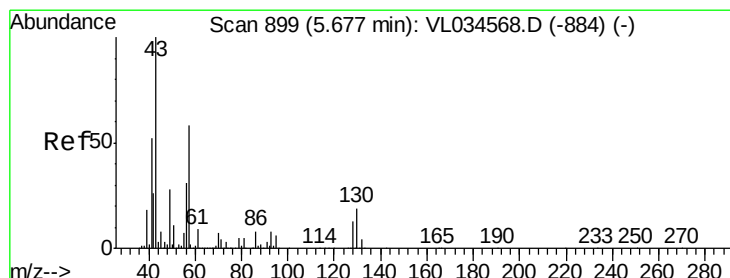
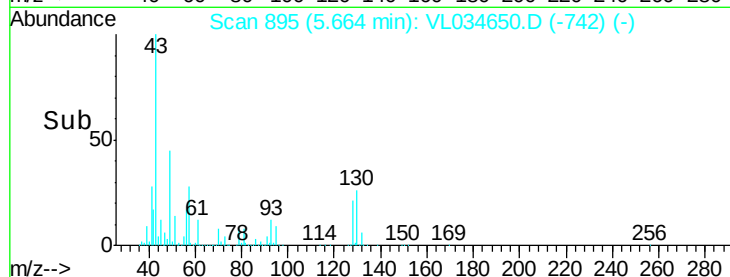
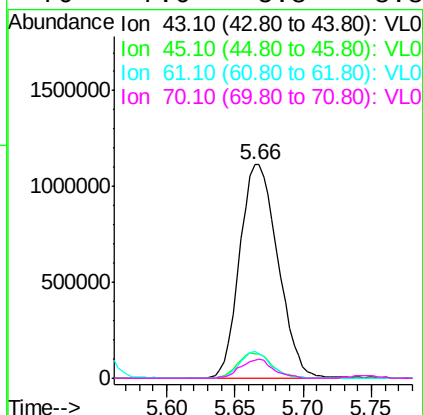
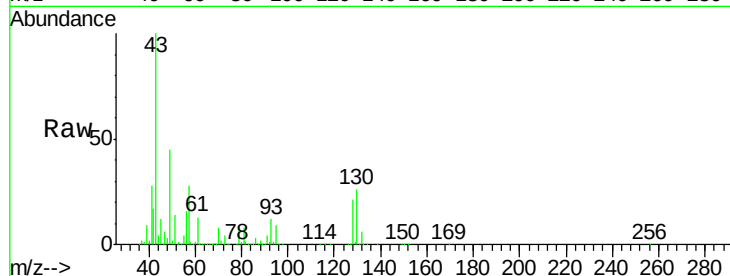
#25
Ethyl Acetate
Concen: 10.257 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL034650.D
Acq: 19 Feb 2020 13:31

Instrument :
MSVOA_L
ClientSampleId :
VL0219ABS01

Tot Ion:	43	Resp:	2165470
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.5	12.7
61	10.0	7.8	11.6
70	7.6	5.8	8.8

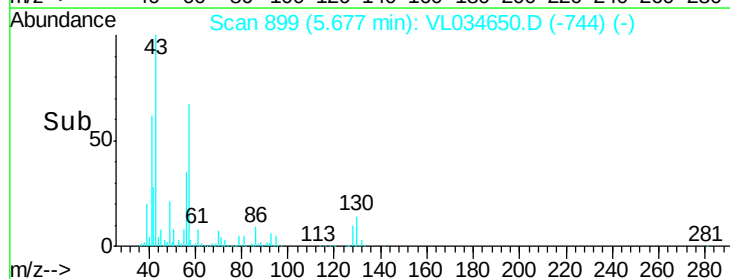
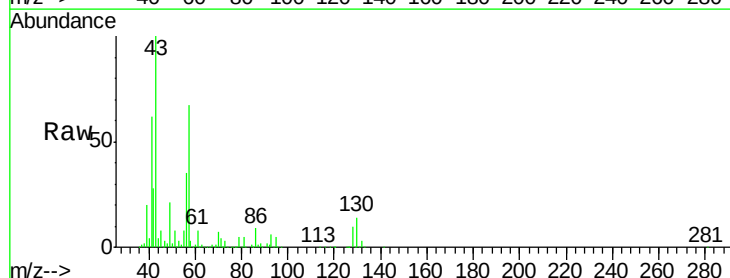
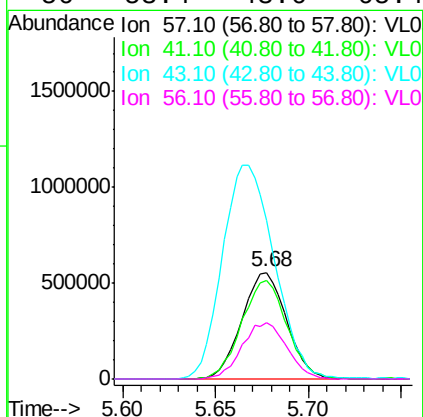
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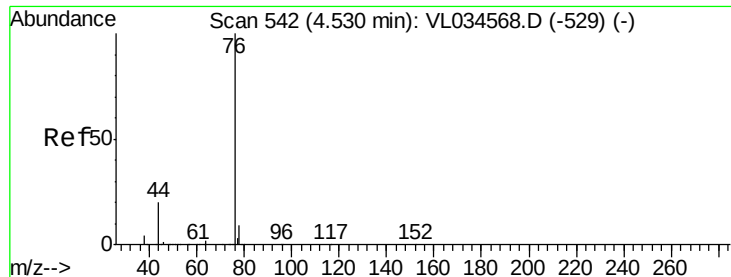
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#26
Hexane
Concen: 10.529 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL034650.D
Acq: 19 Feb 2020 13:31

Tgt Ion:	57	Resp:	931146
Ion	Ratio	Lower	Upper
57	100		
41	94.2	76.2	114.2
43	233.0	189.9	284.9
56	53.4	43.6	65.4





#27

Carbon Disulfide

Concen: 12.391 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

Tot Ion: 76 Resp: 1478652

Ion Ratio Lower Upper

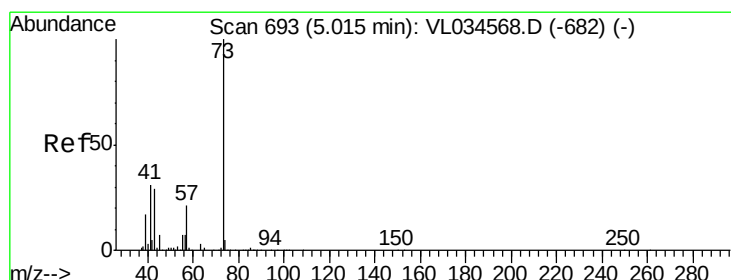
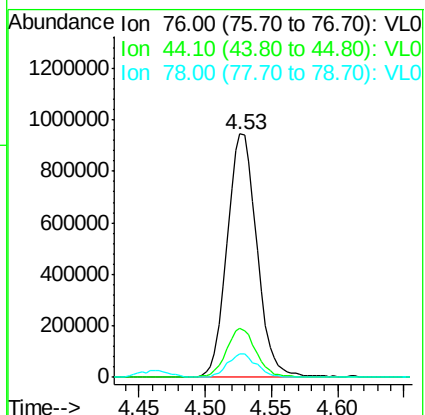
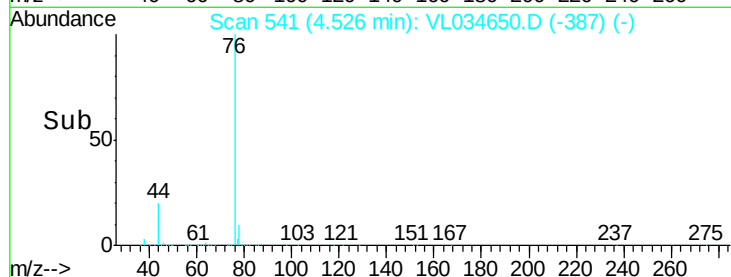
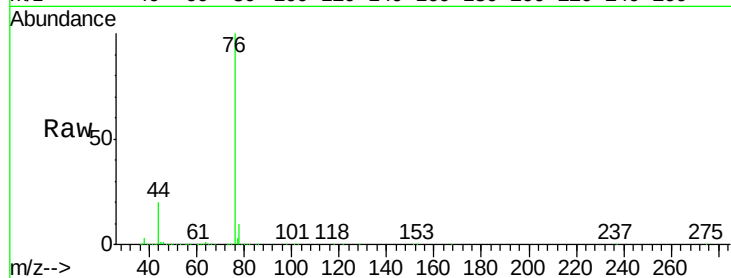
76 100

44 20.3 16.3 24.5

78 9.6 7.4 11.2

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#28

Methyl tert-Butyl Ether

Concen: 10.687 ppbv

RT: 5.01 min Scan# 693

Delta R.T. -0.00 min

Lab File: VL034650.D

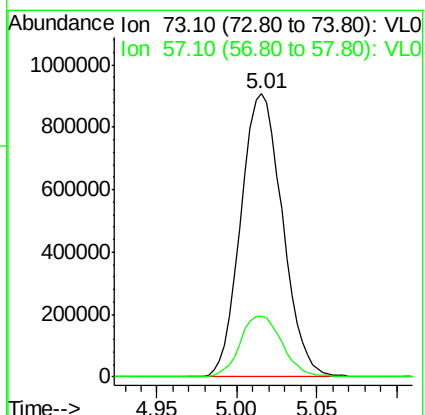
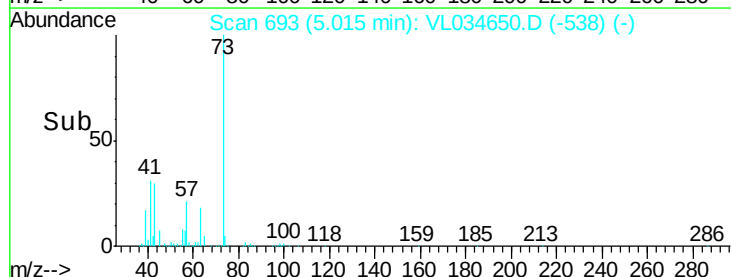
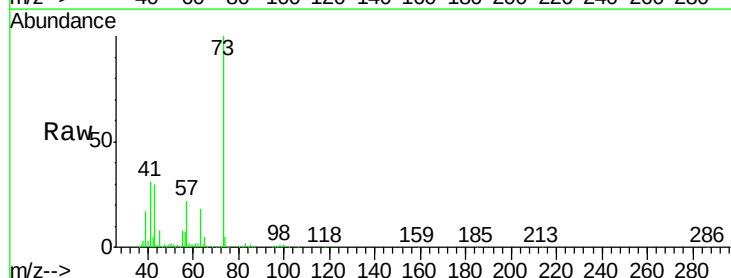
Acq: 19 Feb 2020 13:31

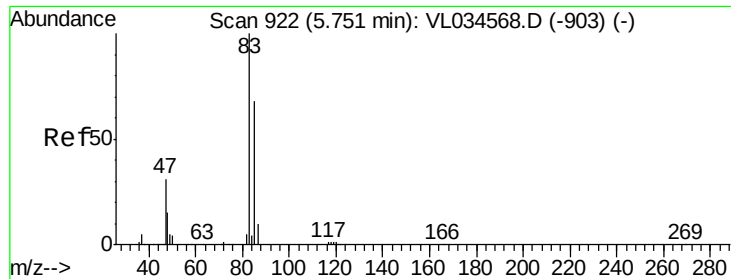
Tgt Ion: 73 Resp: 1611828

Ion Ratio Lower Upper

73 100

57 21.9 17.9 26.9





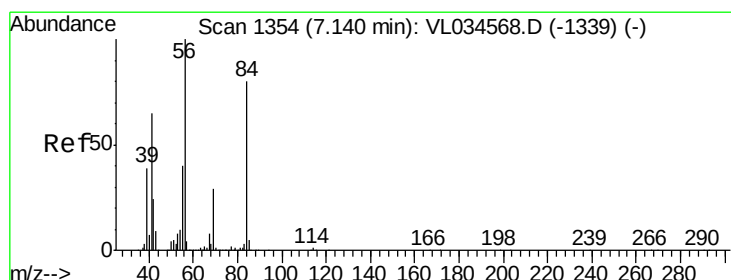
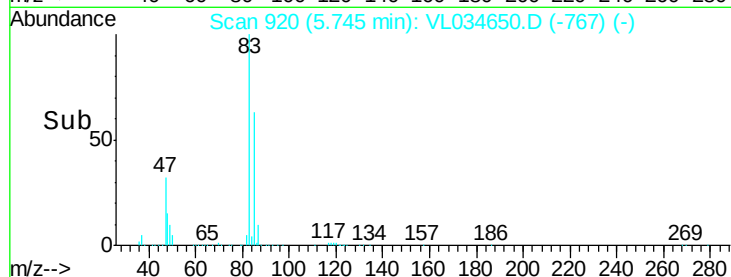
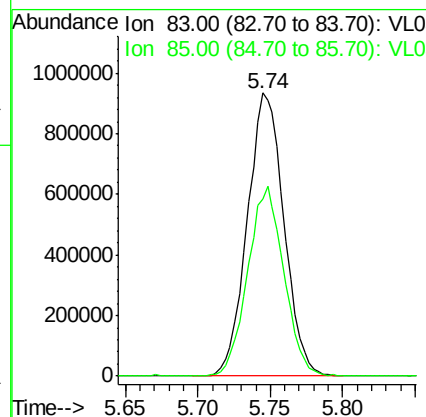
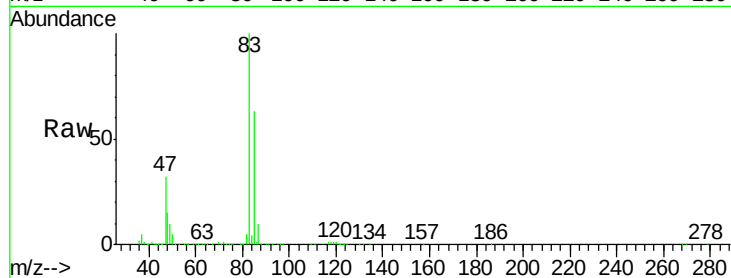
#29
Chloroform
Concen: 10.499 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.01 min
Lab File: VL034650.D
Acq: 19 Feb 2020 13:31

Instrument :
MSVOA_L
ClientSampleId :
VL0219ABS01

Tot Ion: 83 Resp: 1641822
Ion Ratio Lower Upper
83 100
85 62.5 54.0 81.0

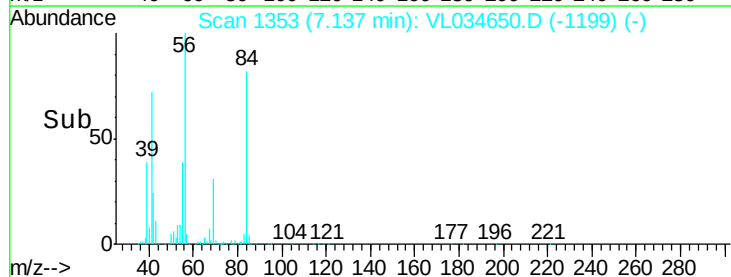
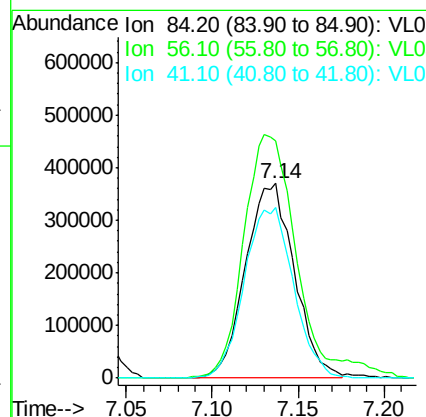
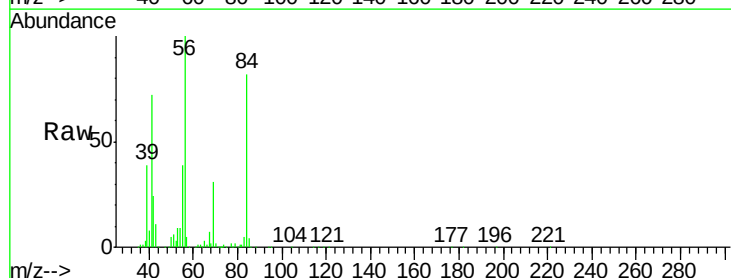
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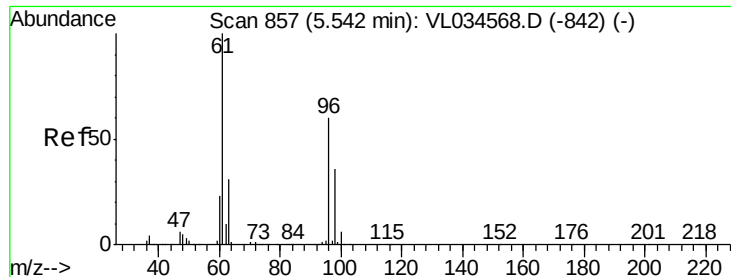
MMDadoda
2/21/2020 3:24:02 PM



#30
Cyclohexane
Concen: 11.154 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.00 min
Lab File: VL034650.D
Acq: 19 Feb 2020 13:31

Tgt Ion: 84 Resp: 730921
Ion Ratio Lower Upper
84 100
56 136.6 110.5 165.7
41 88.4 71.9 107.9





#31

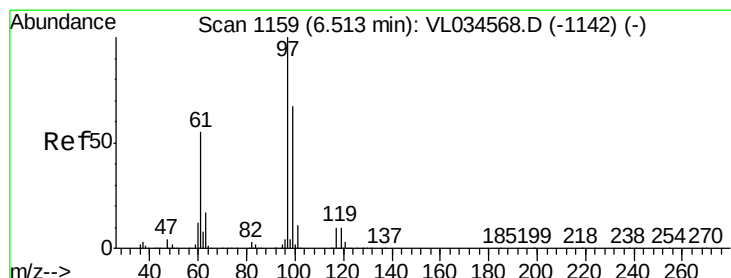
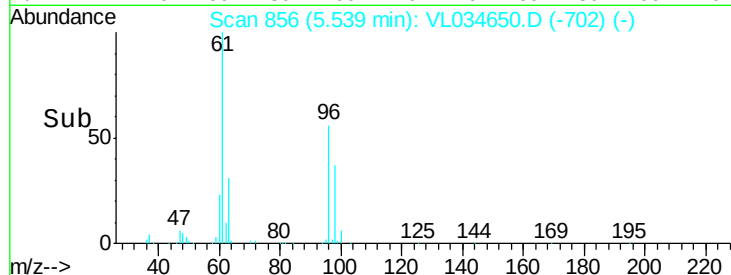
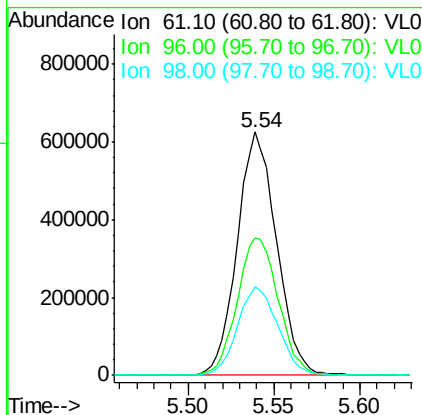
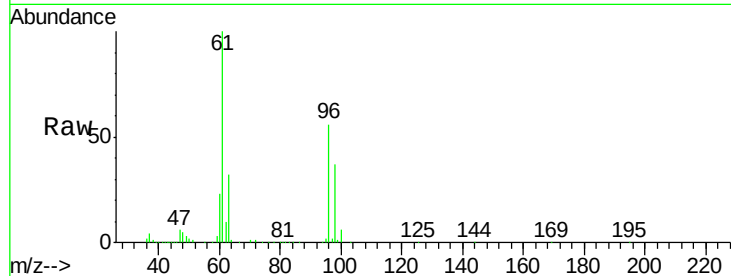
cis-1,2-Dichloroethene
Concen: 10.812 ppbv
RT: 5.54 min Scan# 856
Delta R.T. -0.00 min
Lab File: VL034650.D
Acq: 19 Feb 2020 13:31

Instrument :
MSVOA_L
ClientSampleId :
VL0219ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	56.1	48.0	72.0
98	36.4	28.6	43.0

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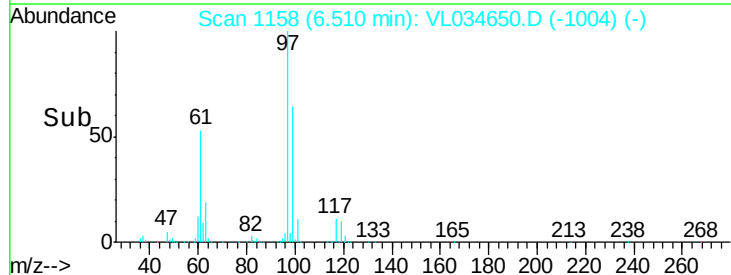
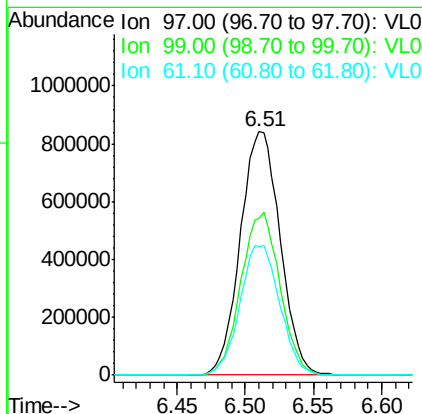
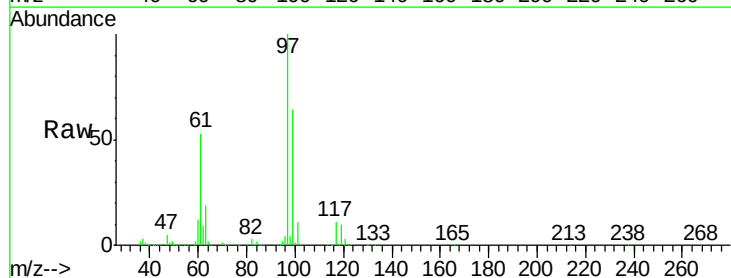
MMDadoda
2/21/2020 3:24:02 PM

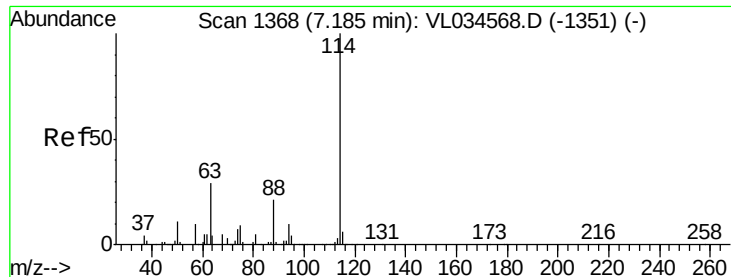


#32

1,1,1-Trichloroethane
Concen: 10.190 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. -0.00 min
Lab File: VL034650.D
Acq: 19 Feb 2020 13:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.2	78.2
61	53.4	43.0	64.4





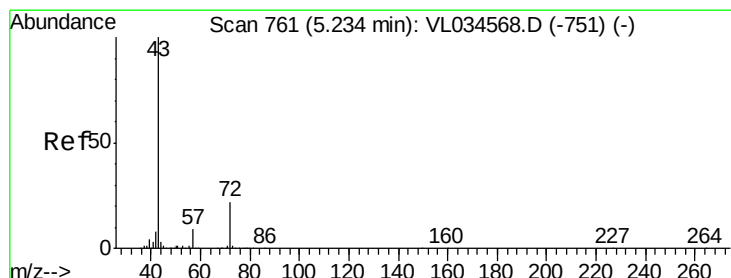
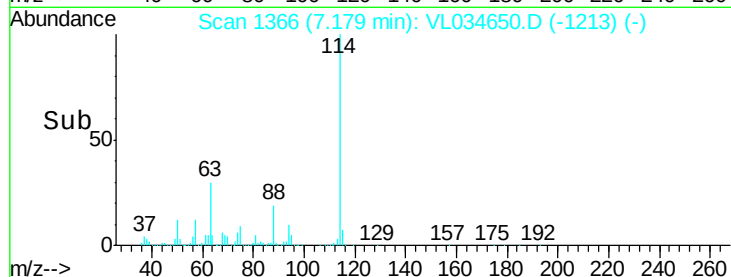
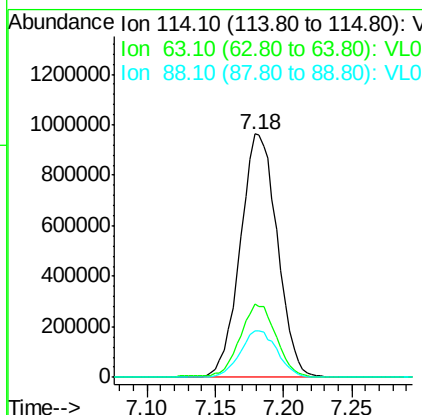
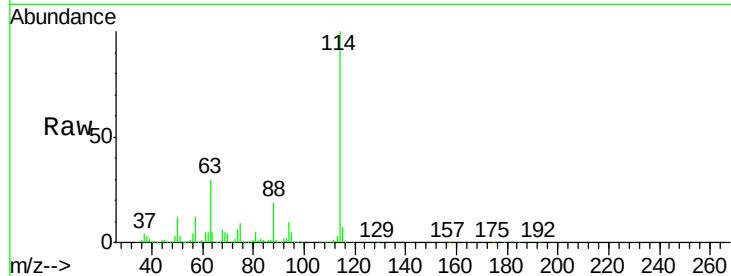
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: VL034650.D
 Acq: 19 Feb 2020 13:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0219ABS01

Tot Ion:114 Resp: 1813543
 Ion Ratio Lower Upper
 114 100
 63 30.2 24.1 36.1
 88 19.1 15.9 23.9

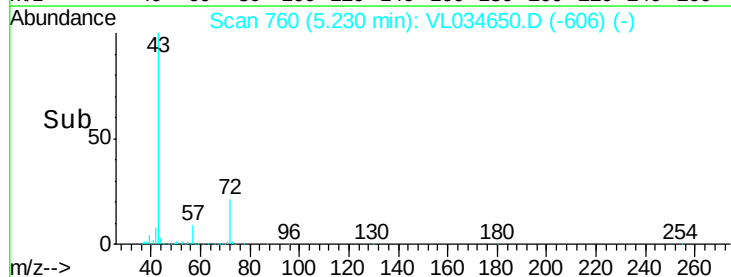
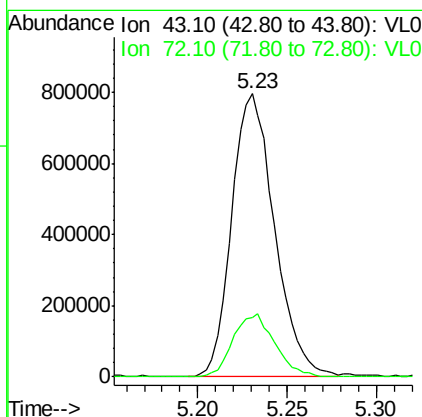
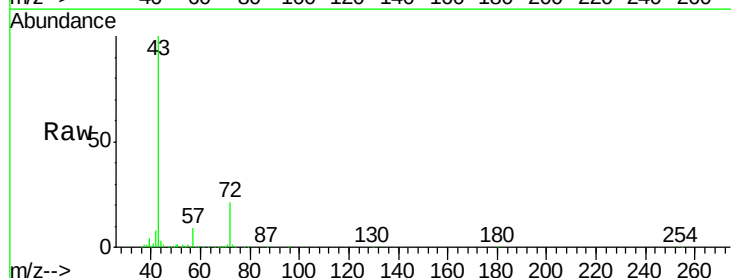
Manual Integrations
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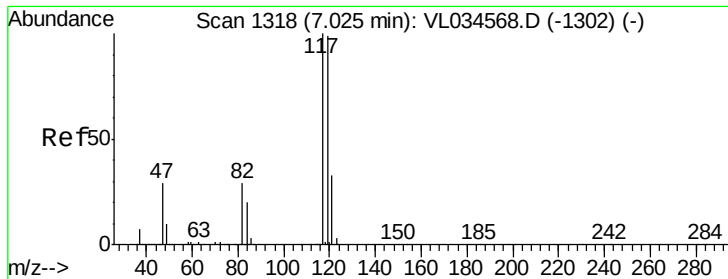
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#34
 2-Butanone
 Concen: 10.100 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.00 min
 Lab File: VL034650.D
 Acq: 19 Feb 2020 13:31

Tgt Ion: 43 Resp: 1329937
 Ion Ratio Lower Upper
 43 100
 72 22.0 17.2 25.8





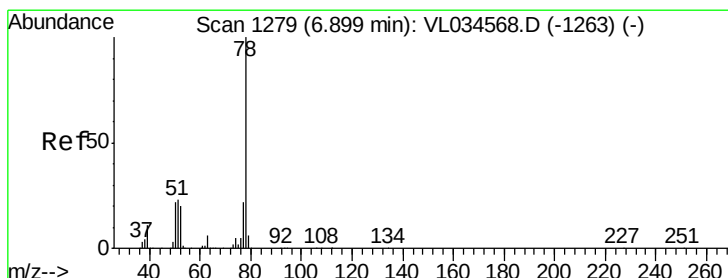
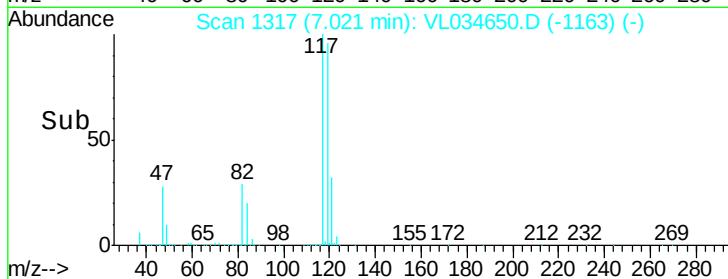
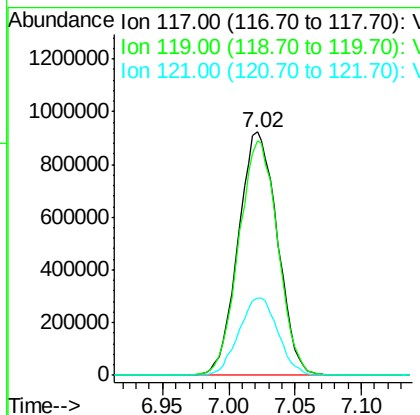
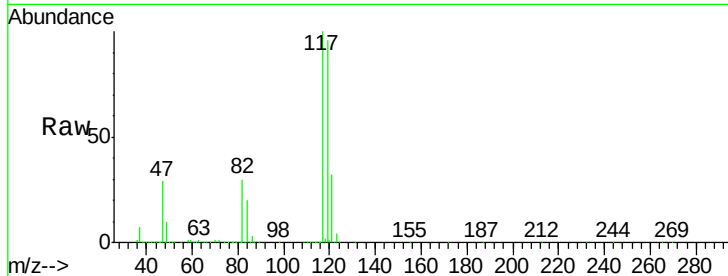
#35
Carbon Tetrachloride
Concen: 10.915 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VL034650.D
Acq: 19 Feb 2020 13:31

Instrument :
MSVOA_L
ClientSampleId :
VL0219ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.3	79.5	119.3
121	31.8	26.2	39.2

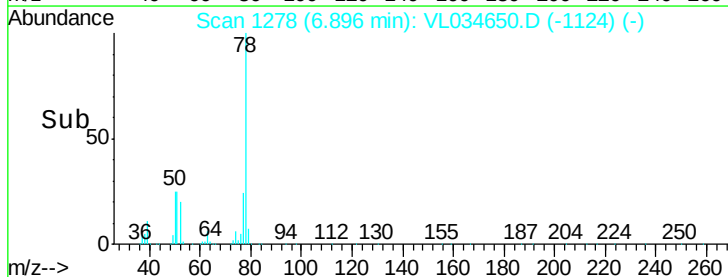
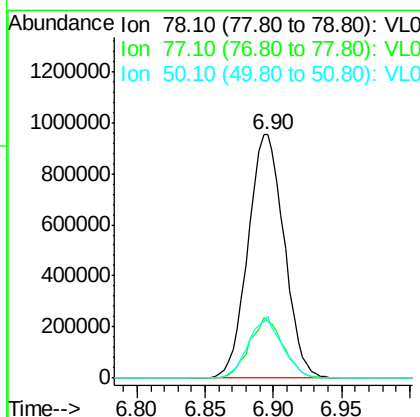
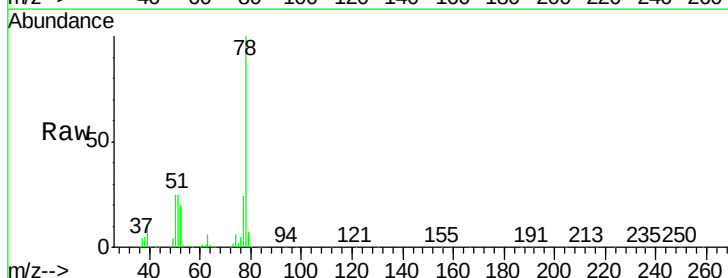
Manual Integrations
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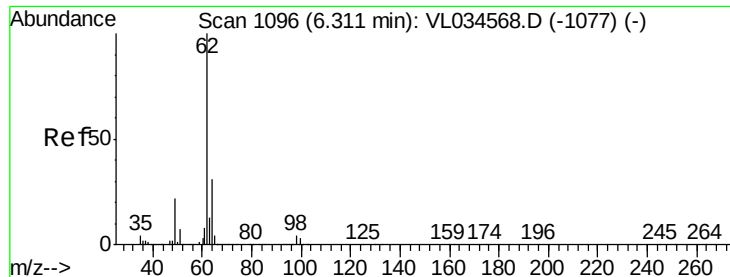
MMDadoda
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#36
Benzene
Concen: 10.852 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. -0.00 min
Lab File: VL034650.D
Acq: 19 Feb 2020 13:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	17.3	25.9
50	25.2	17.4	26.2





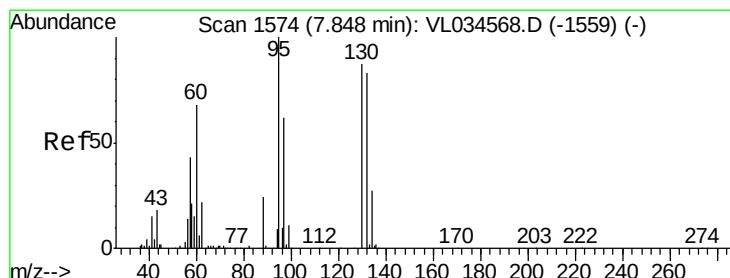
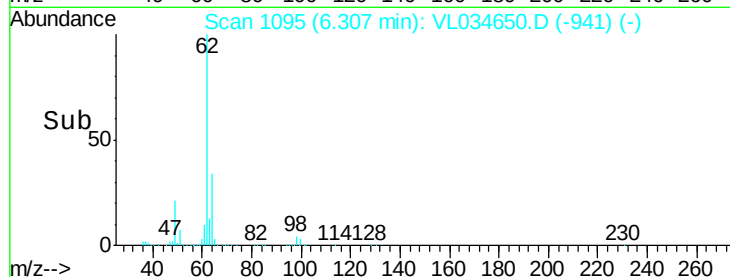
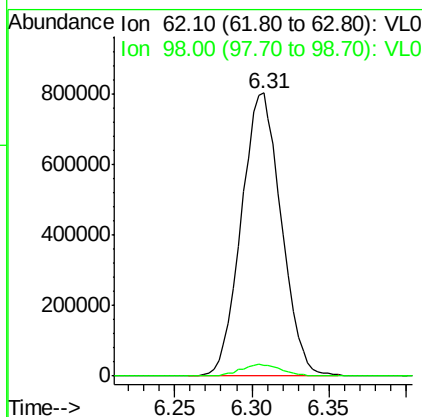
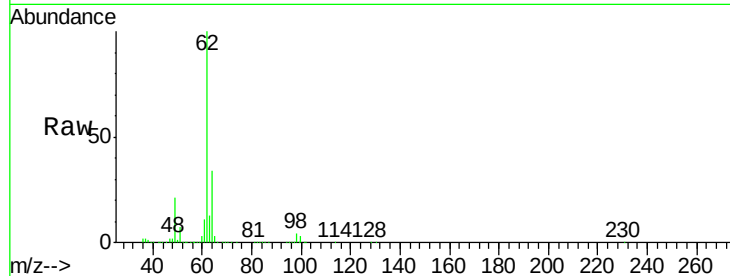
#37
1,2-Dichloroethane
Concen: 10.724 ppbv
RT: 6.31 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VL034650.D
Acq: 19 Feb 2020 13:31

Instrument :
MSVOA_L
ClientSampleId :
VL0219ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	4.3	3.7	5.5

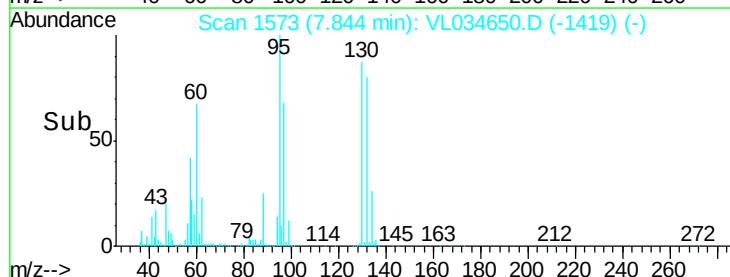
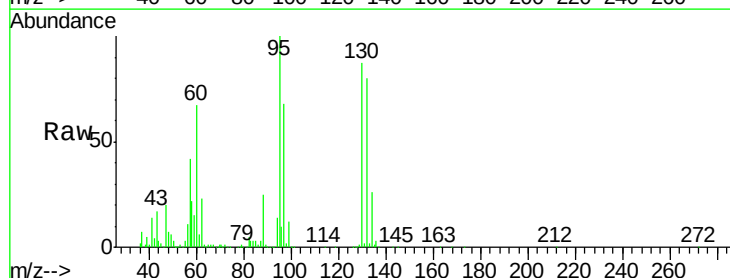
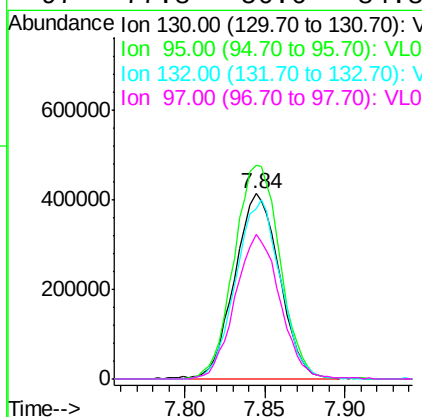
Manual Integrations
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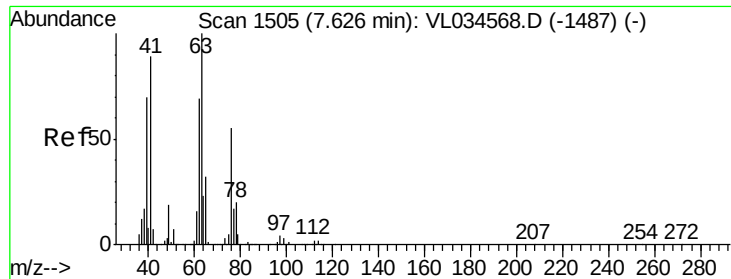
MMDadoda
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#38
Trichloroethene
Concen: 11.524 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL034650.D
Acq: 19 Feb 2020 13:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	115.0	91.6	137.4
132	92.1	76.1	114.1
97	77.8	56.6	84.8





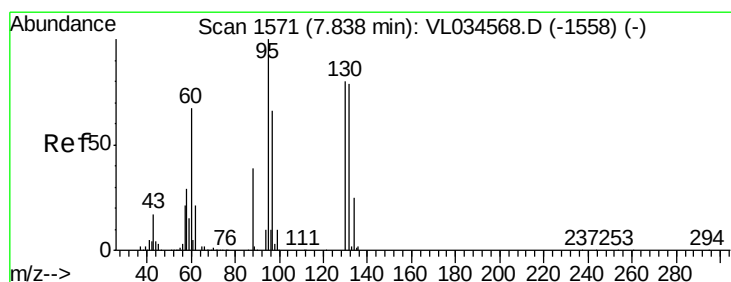
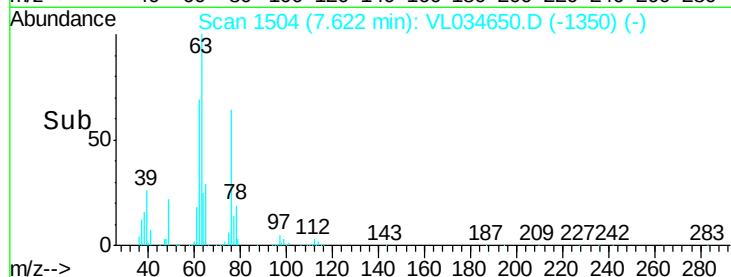
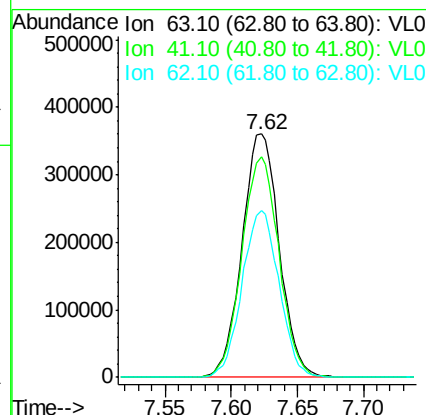
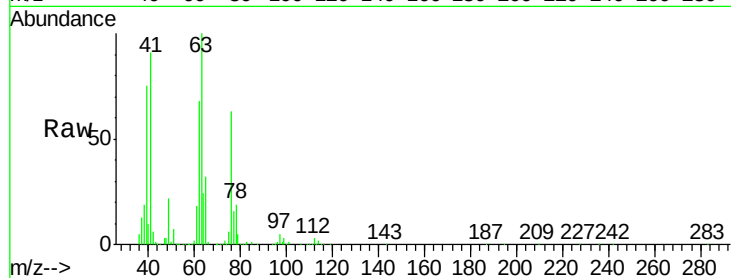
#39
 1,2-Dichloropropane
 Concen: 10.527 ppbv
 RT: 7.62 min Scan# 1504
 Delta R.T. -0.00 min
 Lab File: VL034650.D
 Acq: 19 Feb 2020 13:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0219ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	90.8	71.0	106.4
62	68.4	55.4	83.0

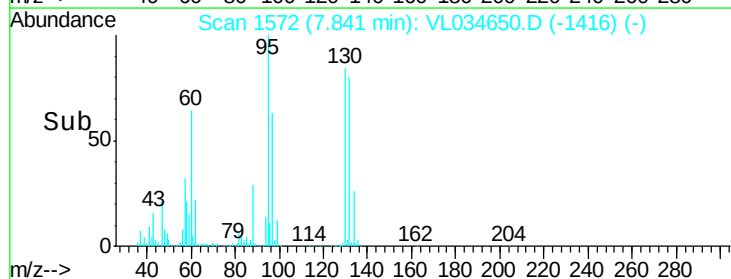
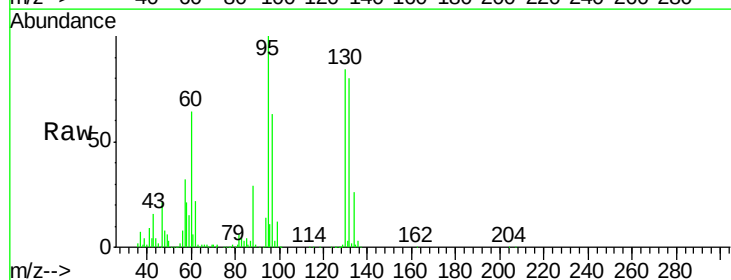
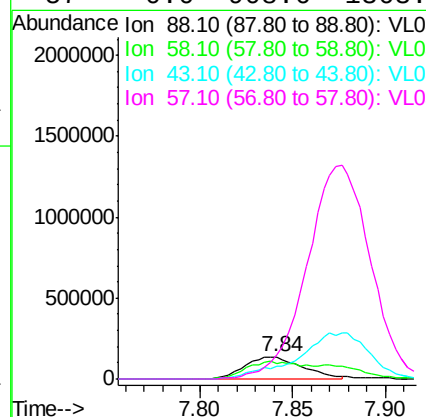
Manual Integrations
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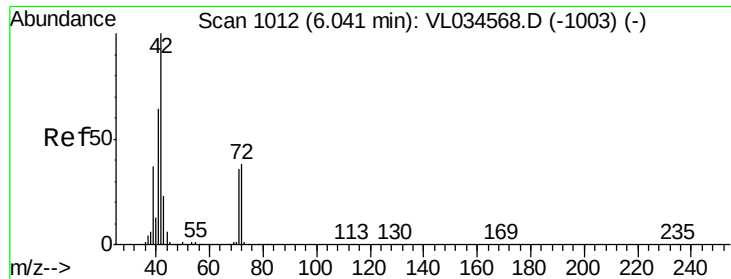
MMDadoda
 2/21/2020 3:24:02 PM



#40
 1,4-Dioxane
 Concen: 11.312 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VL034650.D
 Acq: 19 Feb 2020 13:31

Tgt Ion	Ratio	Lower	Upper
88	100		
58	132.9	107.8	161.8
43	0.0	220.9	331.3#
57	0.0	908.6	1363.0#





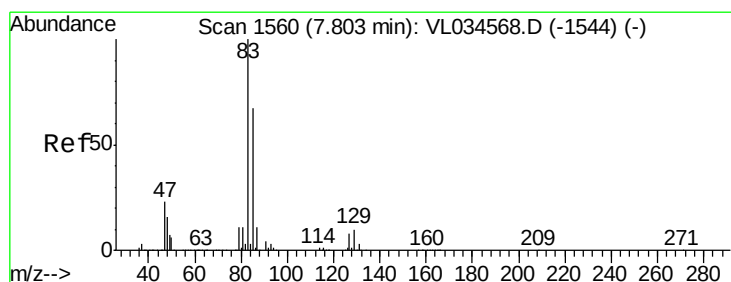
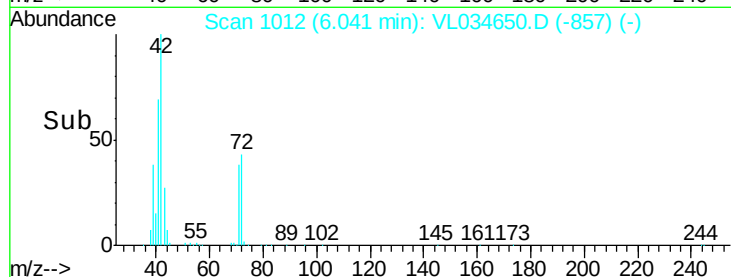
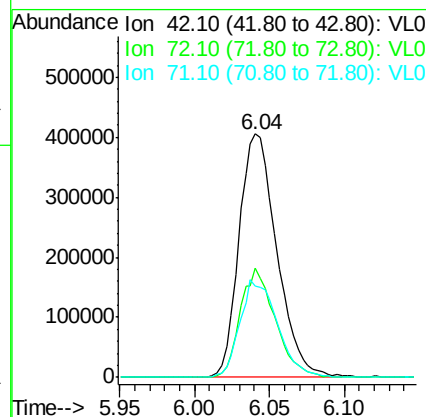
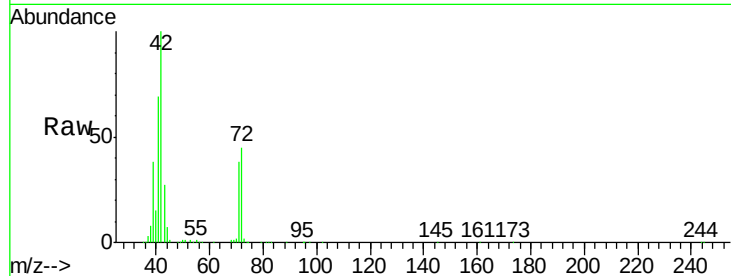
#41
Tetrahydrofuran
Concen: 10.353 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VL034650.D
Acq: 19 Feb 2020 13:31

Instrument :
MSVOA_L
ClientSampleId :
VL0219ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	31.8	47.8
71	39.9	30.2	45.4

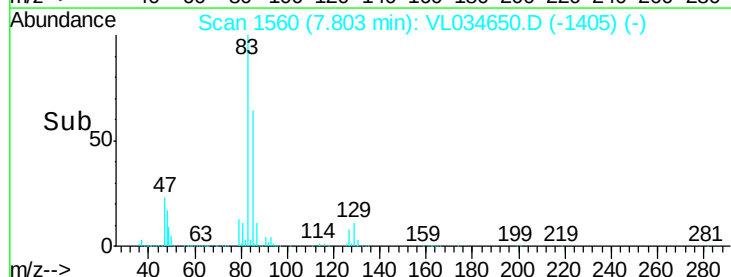
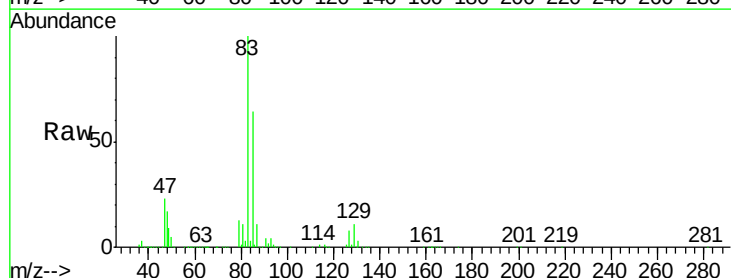
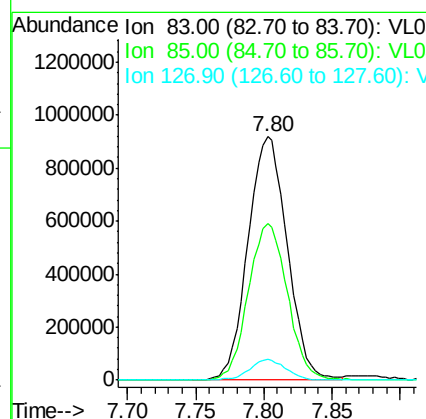
Manual Integrations
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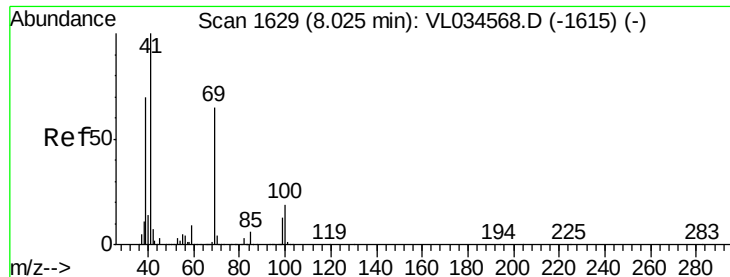
MMDadoda
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#42
Bromodichloromethane
Concen: 11.090 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. -0.00 min
Lab File: VL034650.D
Acq: 19 Feb 2020 13:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	53.2	79.8
127	8.4	6.5	9.7





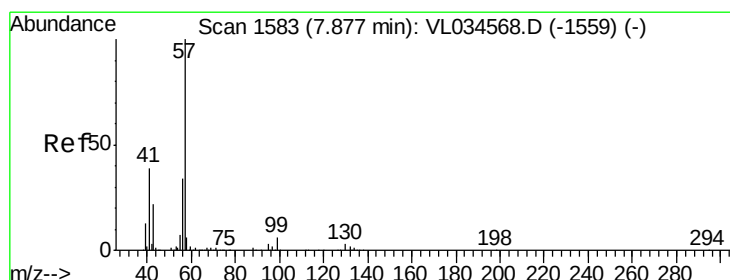
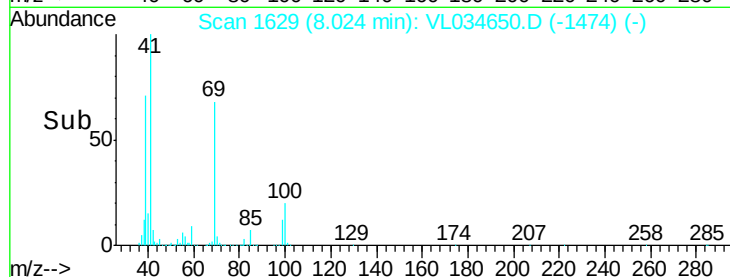
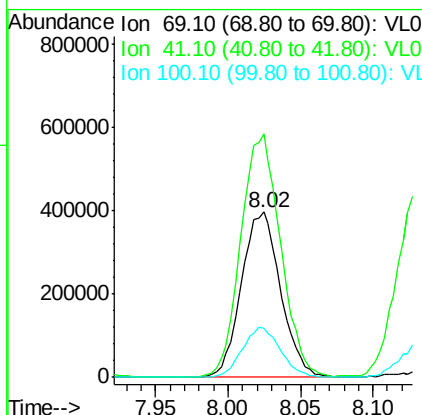
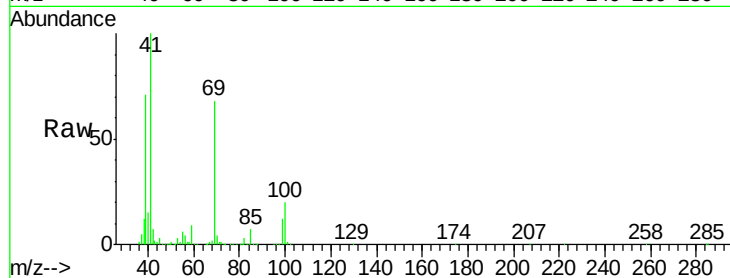
#43
Methvl Methacrylate
Concen: 11.523 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VL034650.D
Acq: 19 Feb 2020 13:31

Instrument :
MSVOA_L
ClientSampleId :
VL0219ABS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	148.9	123.9	185.9
100	29.7	24.1	36.1

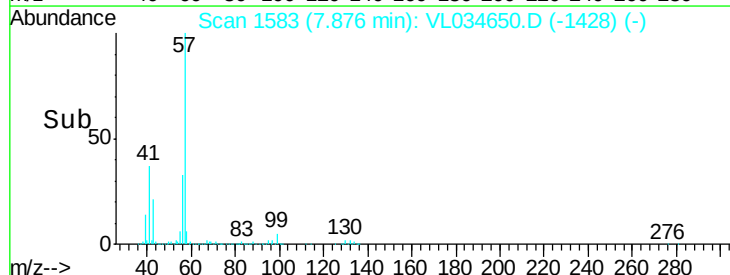
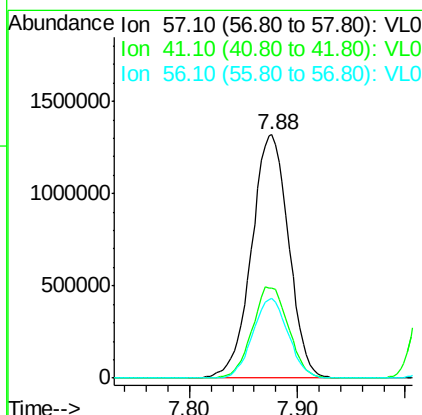
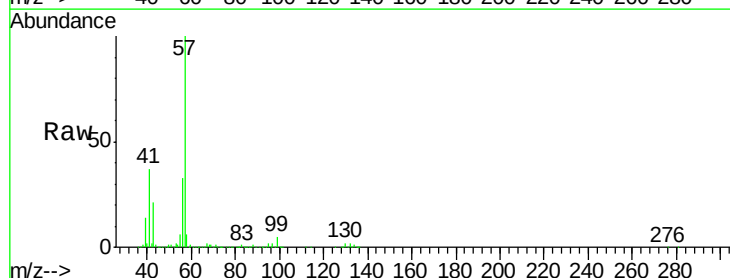
Manual Integrations
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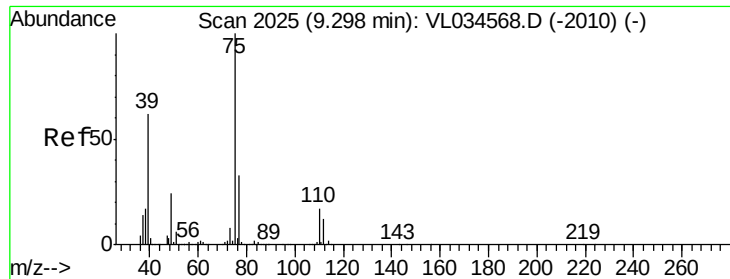
MMDadoda
2/21/2020 3:24:02 PM



#44
2,2,4-Trimethylpentane
Concen: 10.757 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VL034650.D
Acq: 19 Feb 2020 13:31

Tgt Ion	Ratio	Lower	Upper
57	100		
41	36.7	28.9	43.3
56	31.3	25.5	38.3





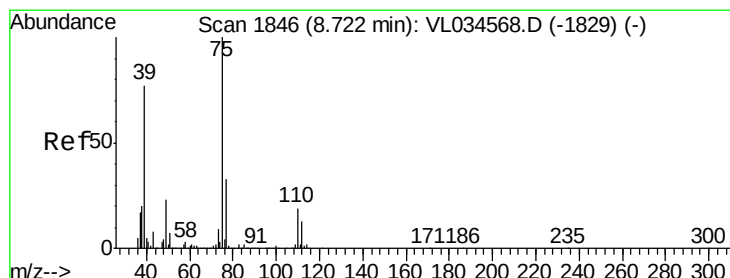
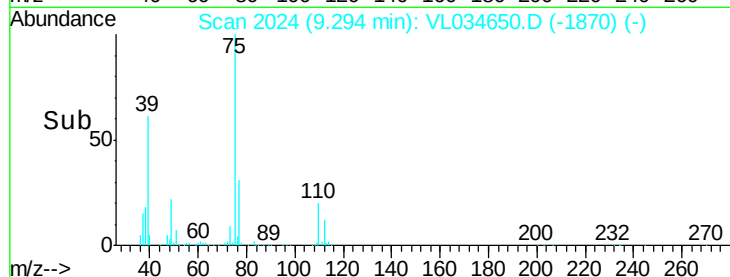
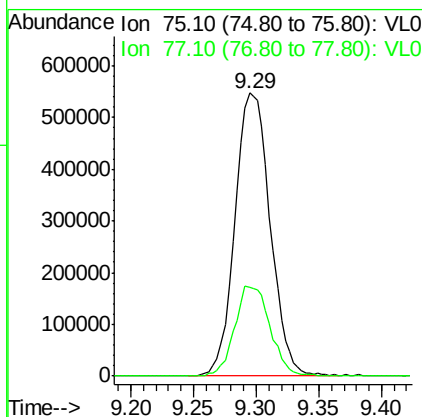
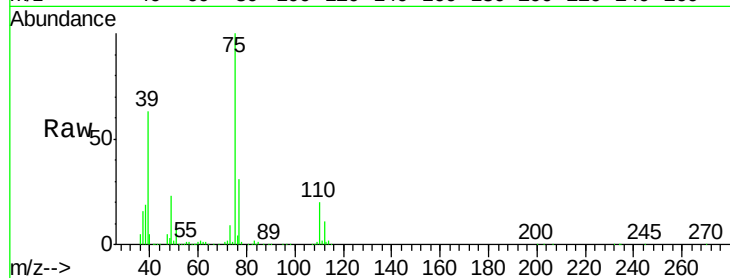
#45
t-1,3-Dichloropropene
Concen: 12.598 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. -0.00 min
Lab File: VL034650.D
Acq: 19 Feb 2020 13:31

Instrument :
MSVOA_L
ClientSampleId :
VL0219ABS01

Tot Ion: 75 Resp: 1070026
Ion Ratio Lower Upper
75 100
77 31.4 26.7 40.1

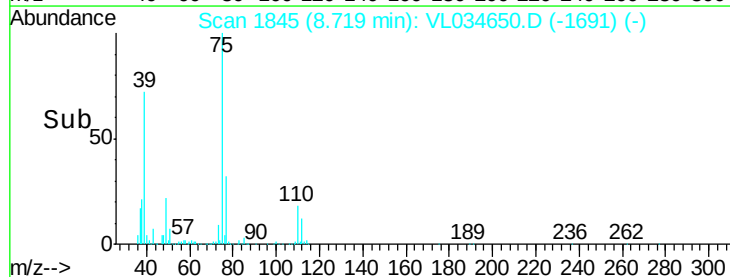
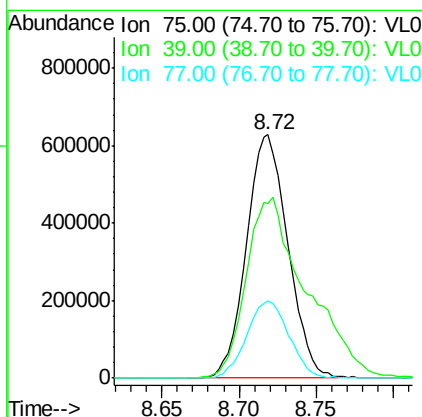
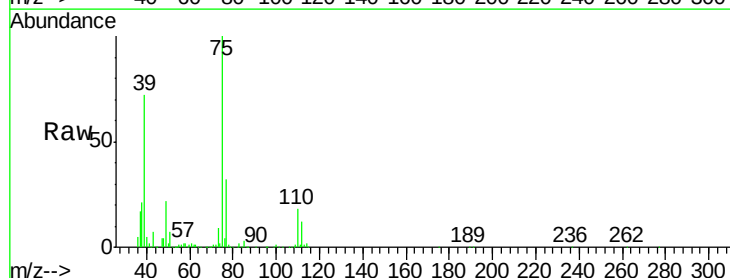
Manual Integrations
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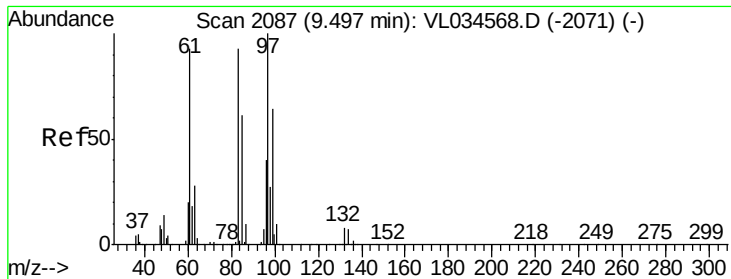
MMDadoda
2/21/2020 3:24:02 PM



#46
cis-1,3-Dichloropropene
Concen: 12.172 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. -0.00 min
Lab File: VL034650.D
Acq: 19 Feb 2020 13:31

Tgt Ion: 75 Resp: 1175046
Ion Ratio Lower Upper
75 100
39 71.8 61.9 92.9
77 31.6 26.1 39.1





#47

1,1,2-Trichloroethane

Concen: 10.800 ppbv

RT: 9.49 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

Instrument :

MSVOA_L

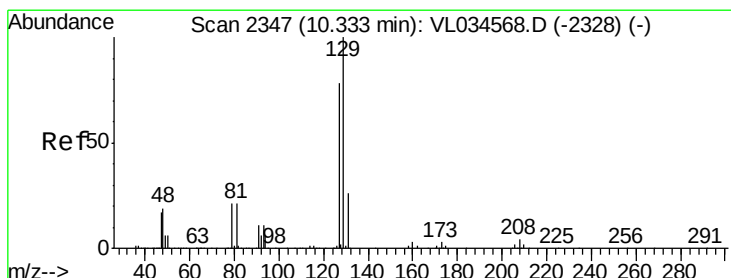
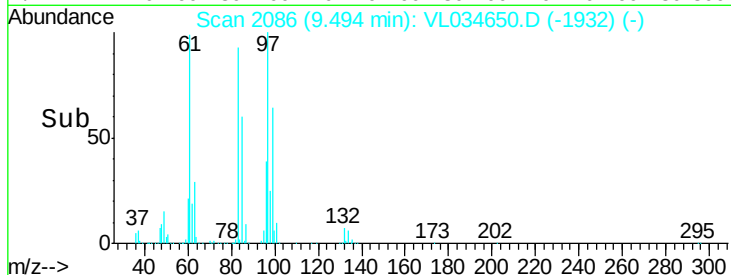
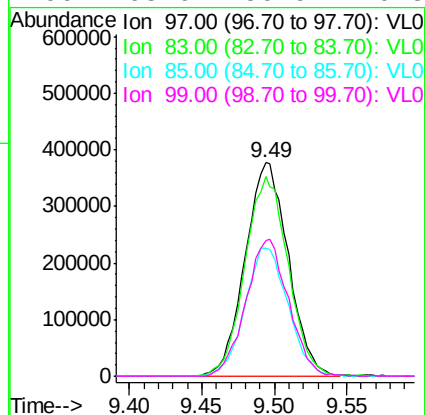
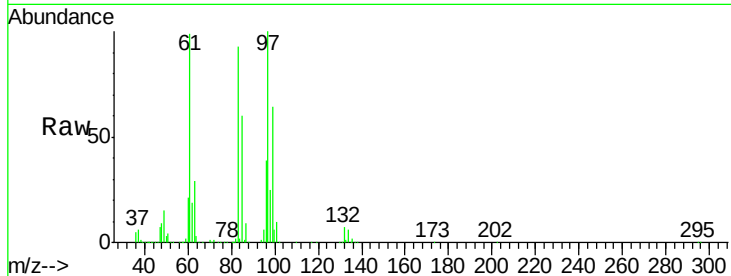
ClientSampleId :

VL0219ABS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		782061		
83	93.2	74.4	111.6		
85	59.4	49.2	73.8		
99	63.6	50.9	76.3		

Manual Integrations
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2/21/2020 3:24:02 PM



#48

Dibromochloromethane

Concen: 11.504 ppbv

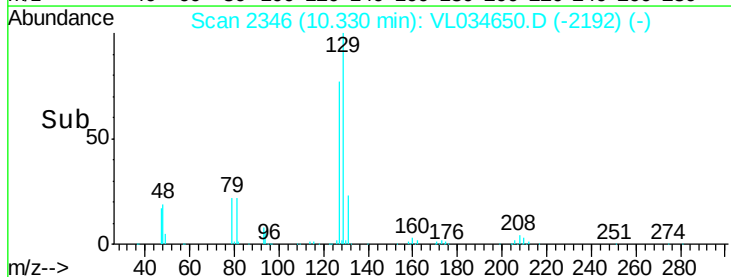
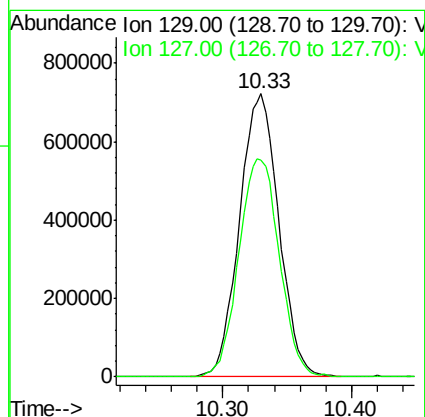
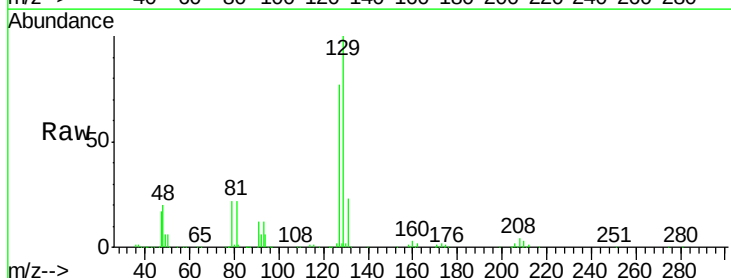
RT: 10.33 min Scan# 2346

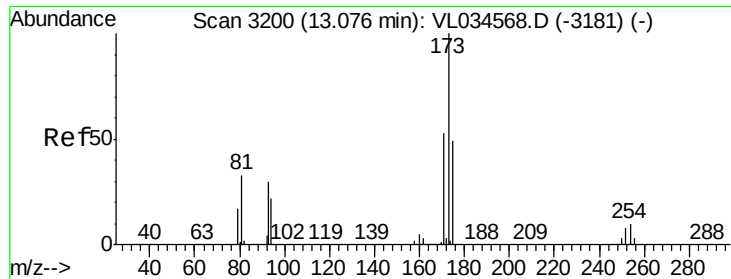
Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1526451		
127	80.0	39.1	117.2		





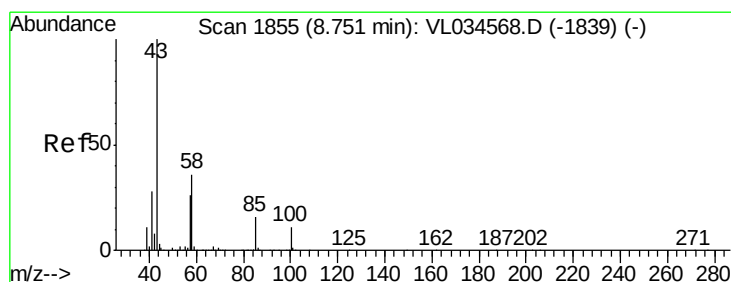
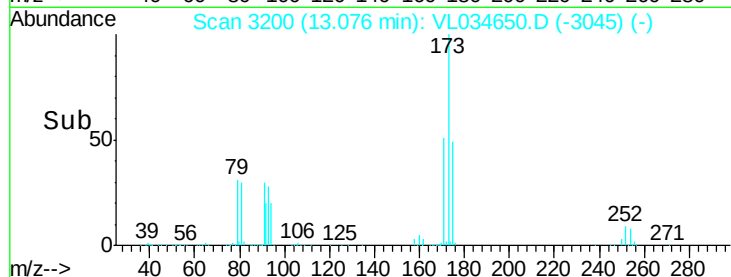
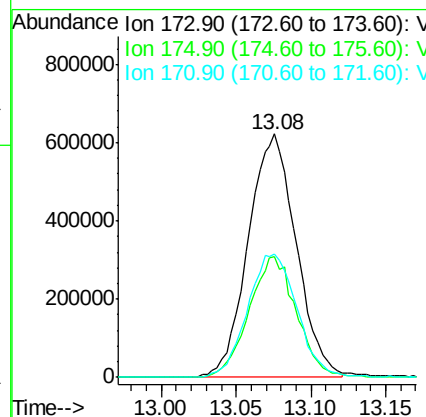
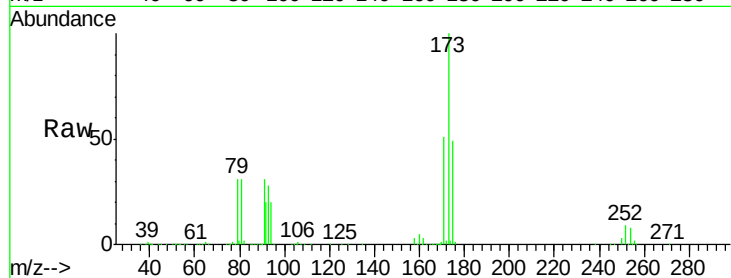
#49
Bromoform
Concen: 11.868 ppbv
RT: 13.08 min Scan# 3200
Delta R.T. -0.00 min
Lab File: VL034650.D
Acq: 19 Feb 2020 13:31

Instrument :
MSVOA_L
ClientSampleId :
VL0219ABS01

Tot Ion:173 Resp: 1382587
Ion Ratio Lower Upper
173 100
175 49.5 39.7 59.5
171 52.9 41.6 62.4

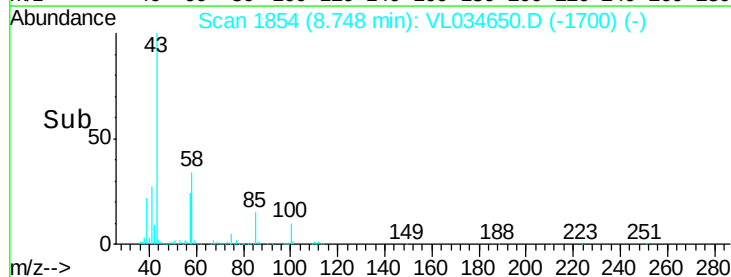
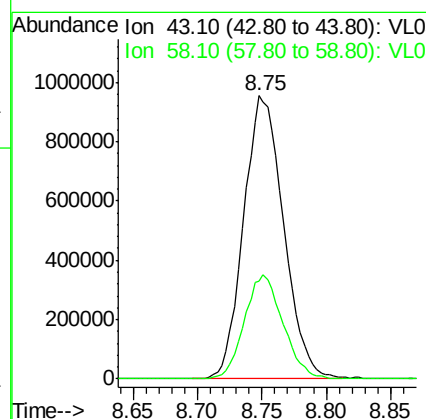
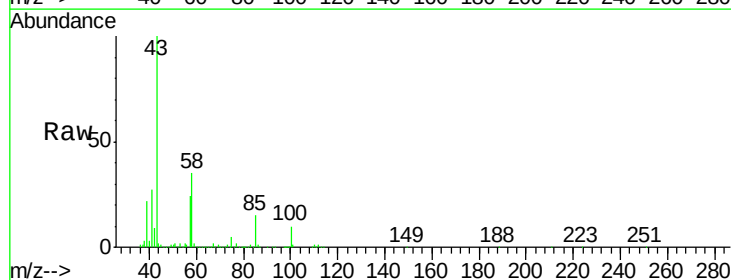
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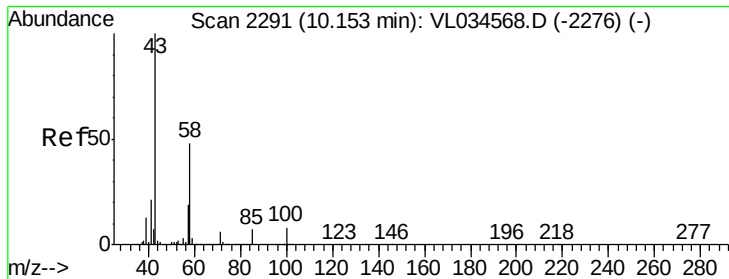
MMDadoda
2/21/2020 3:24:02 PM



#50
4-Methyl-2-Pentanone
Concen: 10.980 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VL034650.D
Acq: 19 Feb 2020 13:31

Tgt Ion: 43 Resp: 2061822
Ion Ratio Lower Upper
43 100
58 35.4 28.6 43.0





#51

2-Hexanone

Concen: 11.426 ppbv

RT: 10.15 min Scan# 2290

Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

Tot Ion: 43 Resp: 1689089

Ion Ratio Lower Upper

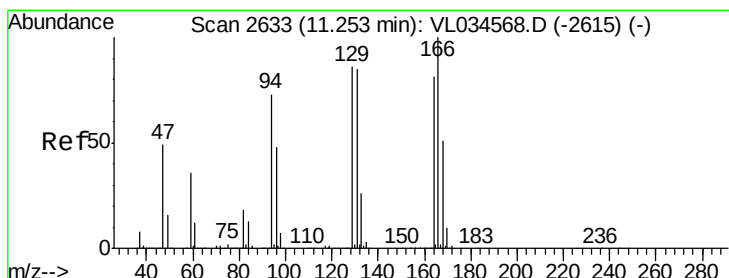
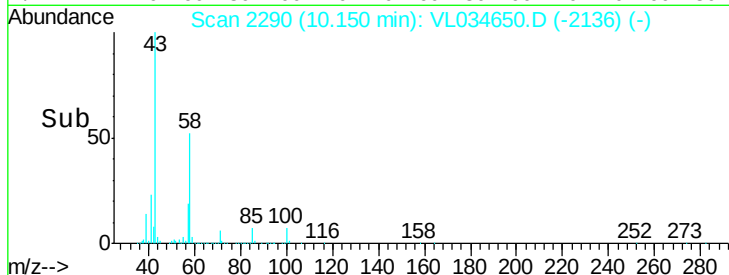
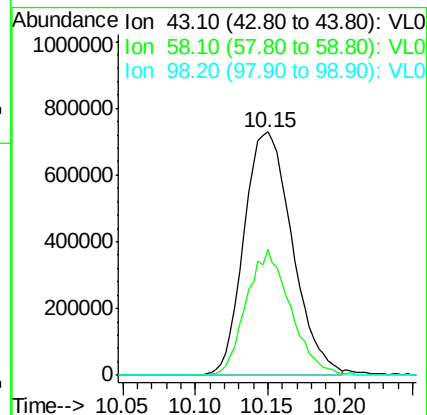
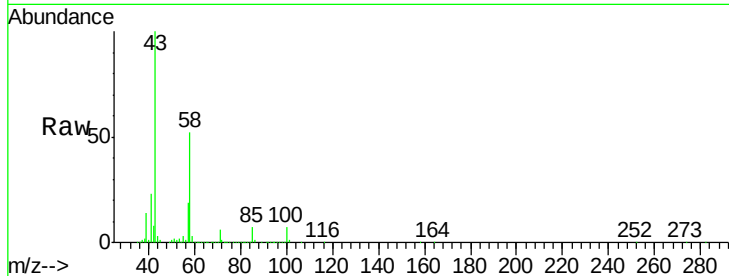
43 100

58 47.6 37.9 56.9

98 0.4 0.3 0.5

Manual Integrations
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#52

Tetrachloroethene

Concen: 10.722 ppbv

RT: 11.25 min Scan# 2632

Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

Tgt Ion: 164 Resp: 694634

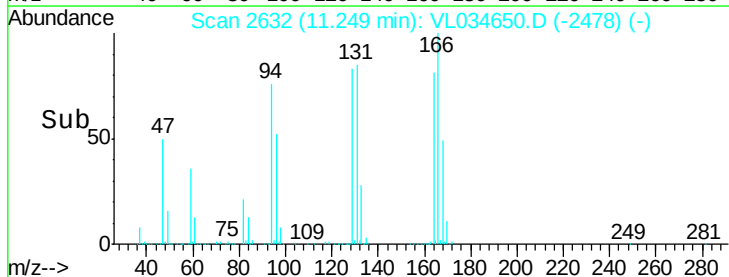
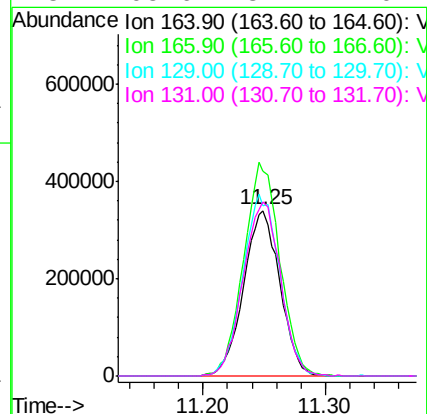
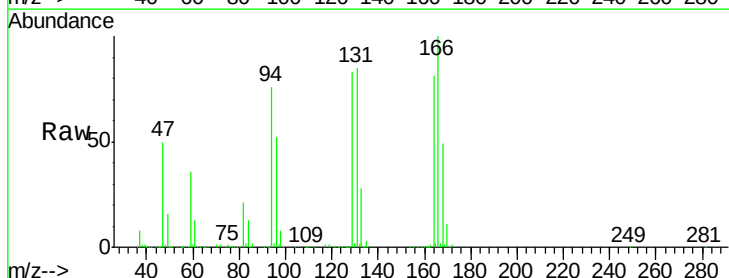
Ion Ratio Lower Upper

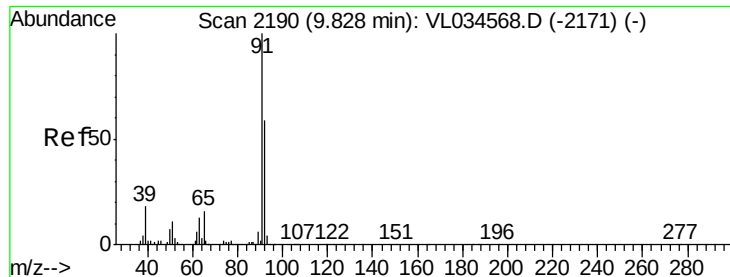
164 100

166 123.8 99.0 148.4

129 103.0 85.3 127.9

131 105.6 84.2 126.2





#53

Toluene

Concen: 11.791 ppbv

RT: 9.82 min Scan# 2189

Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

Tot Ion: 91 Resp: 2088930

Ion Ratio Lower Upper

91 100

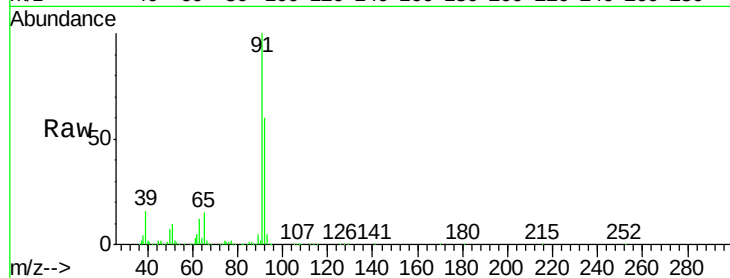
92 59.7 48.2 72.2

Manual Integrations

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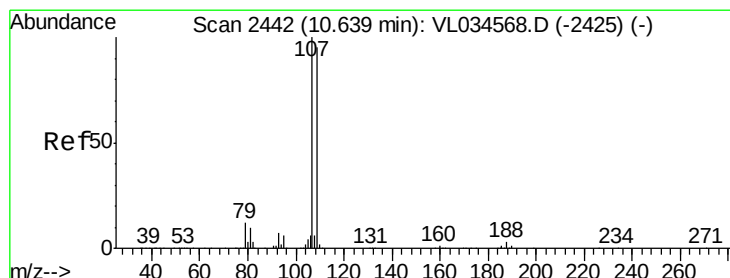
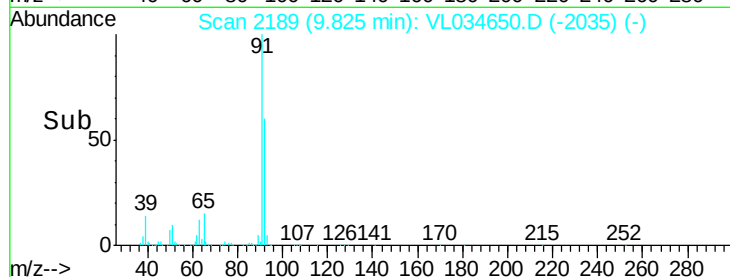
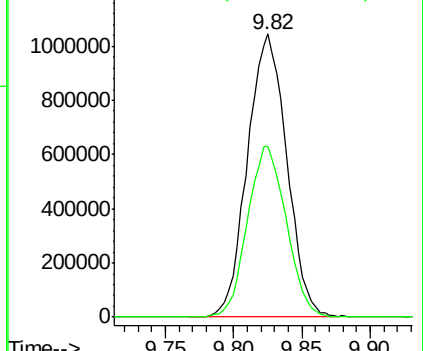
MMDadoda

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 11.169 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.01 min

Lab File: VL034650.D

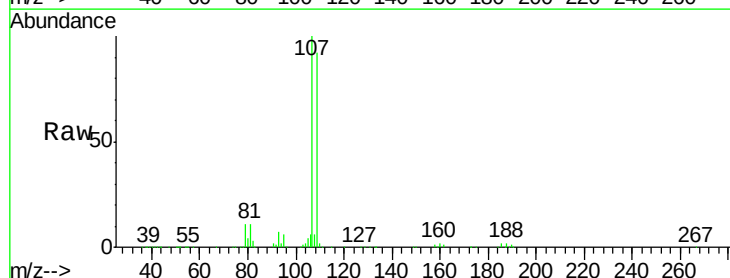
Acq: 19 Feb 2020 13:31

Tgt Ion: 107 Resp: 1211972

Ion Ratio Lower Upper

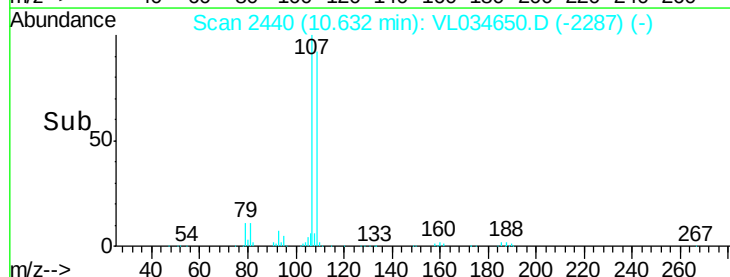
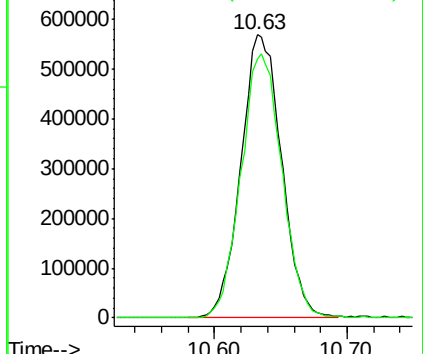
107 100

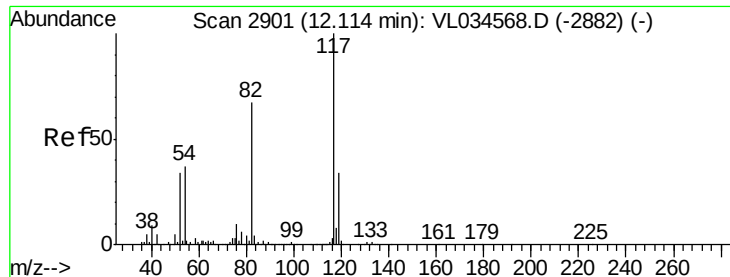
109 91.5 75.9 113.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





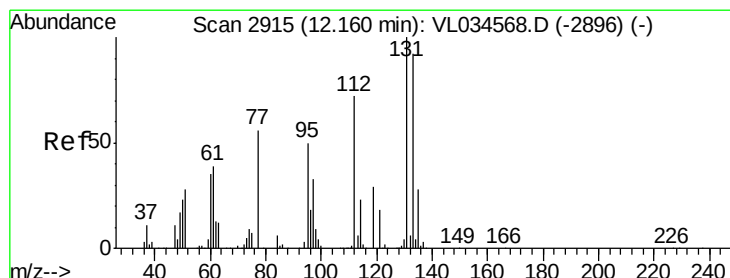
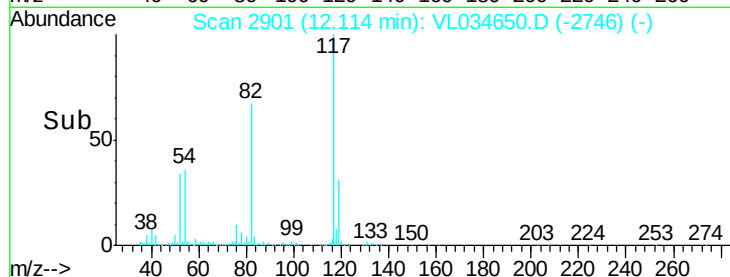
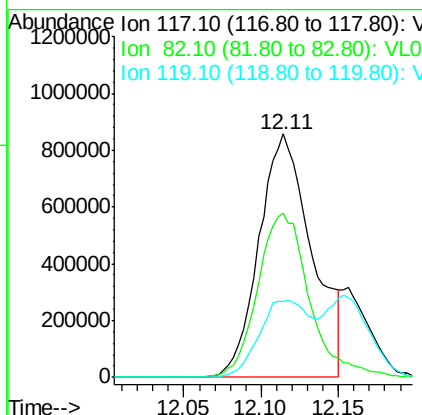
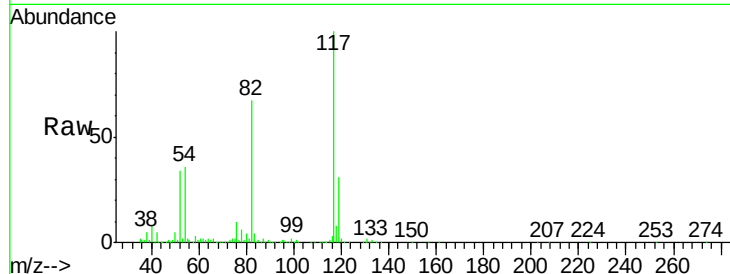
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL034650.D
Acq: 19 Feb 2020 13:31

Instrument :
MSVOA_L
ClientSampleId :
VL0219ABS01

Tot Ion:117 Resp: 2036974
Ion Ratio Lower Upper
117 100
82 66.1 54.2 81.4
119 29.5 26.1 39.1

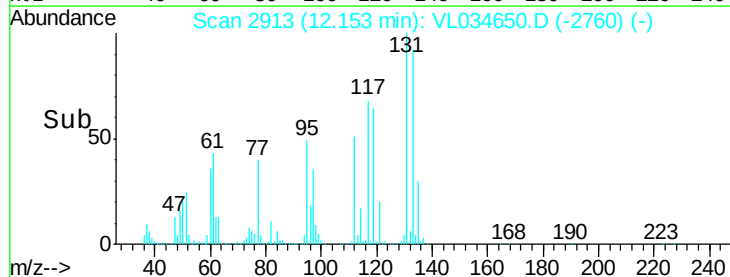
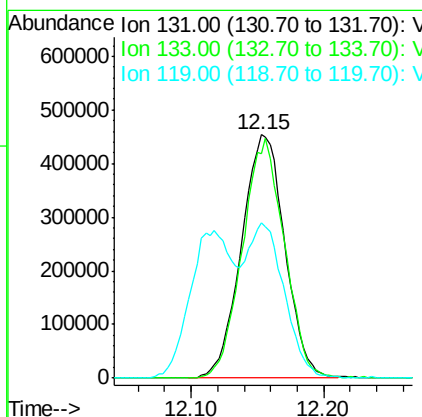
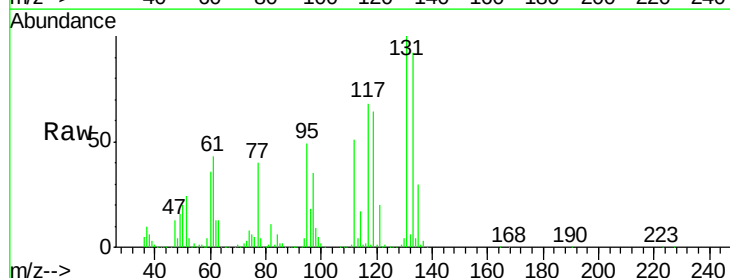
Manual Integrations
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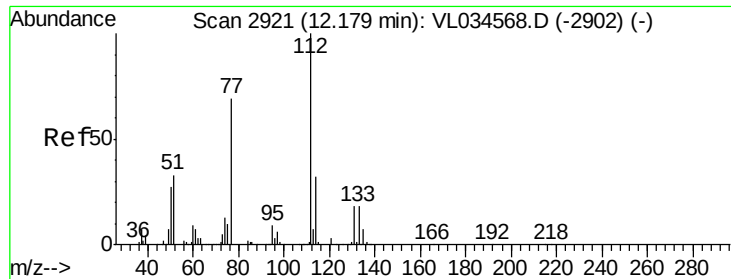
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.253 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.01 min
Lab File: VL034650.D
Acq: 19 Feb 2020 13:31

Tgt Ion:131 Resp: 1031130
Ion Ratio Lower Upper
131 100
133 95.5 75.8 113.8
119 58.9 47.0 70.6





#57

Chlorobenzene

Concen: 10.031 ppbv

RT: 12.18 min Scan# 2920

Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

Tot Ion: 112 Resp: 1681418

Ion Ratio Lower Upper

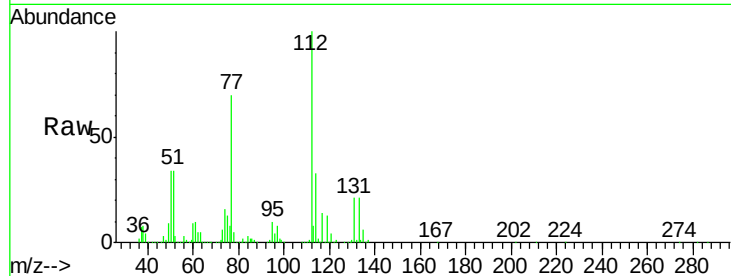
112 100

77 69.3 56.5 84.7

114 33.1 29.2 35.6

Manual Integrations
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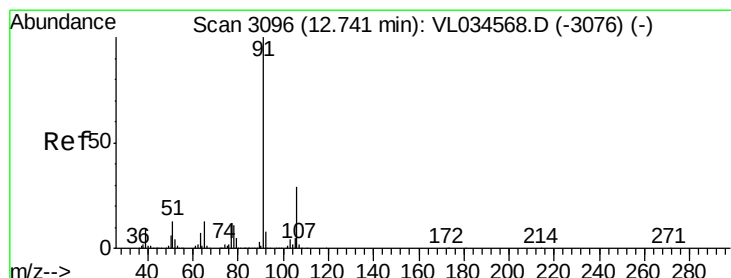
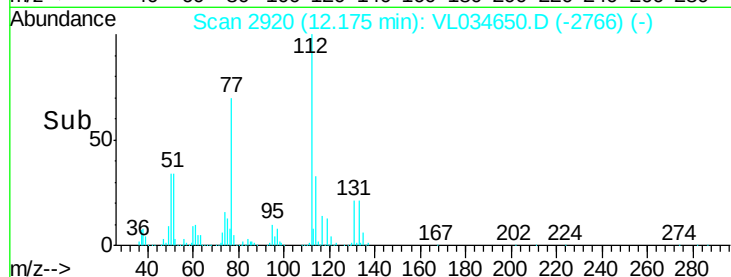
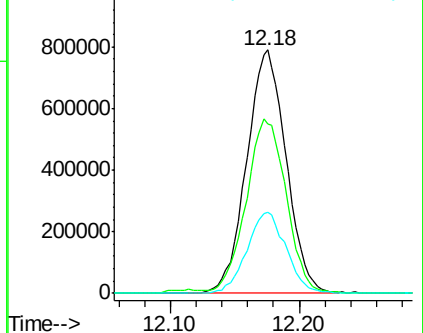
MMDadoda
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.654 ppbv

RT: 12.74 min Scan# 3095

Delta R.T. -0.00 min

Lab File: VL034650.D

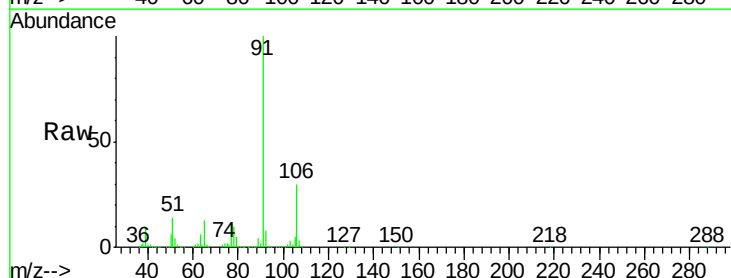
Acq: 19 Feb 2020 13:31

Tgt Ion: 91 Resp: 2904003

Ion Ratio Lower Upper

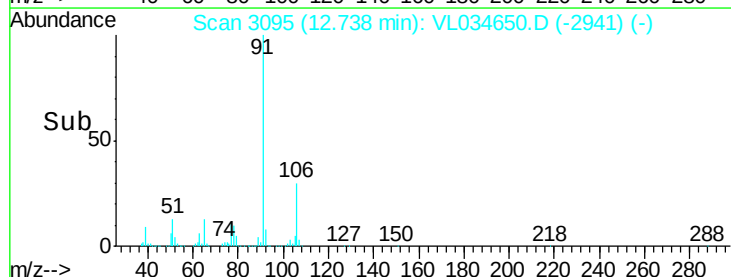
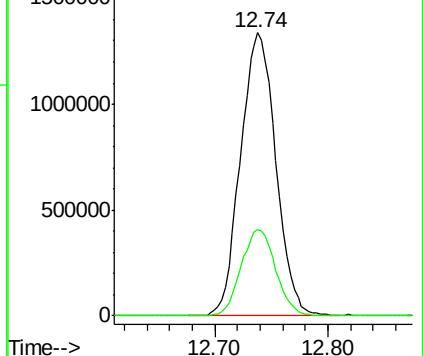
91 100

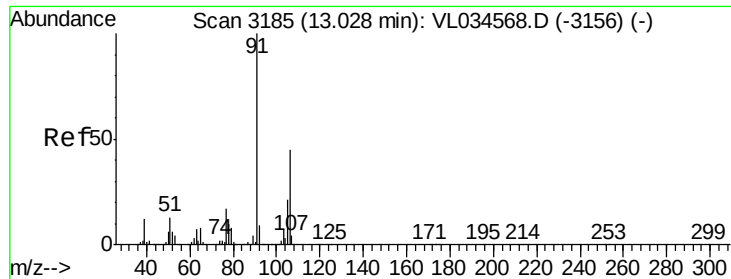
106 30.3 23.3 34.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





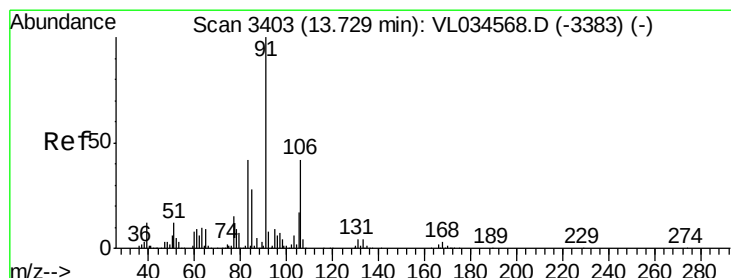
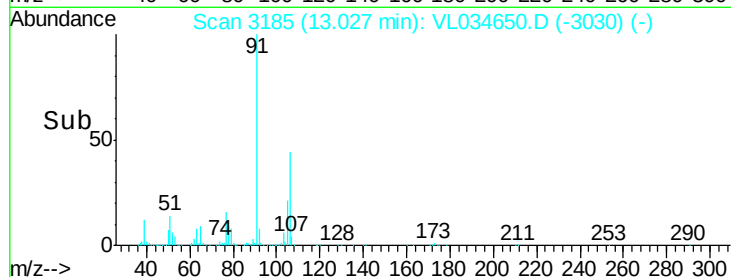
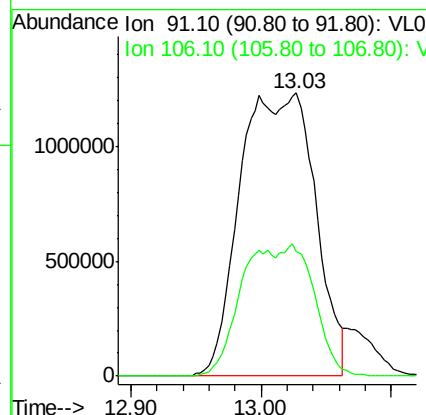
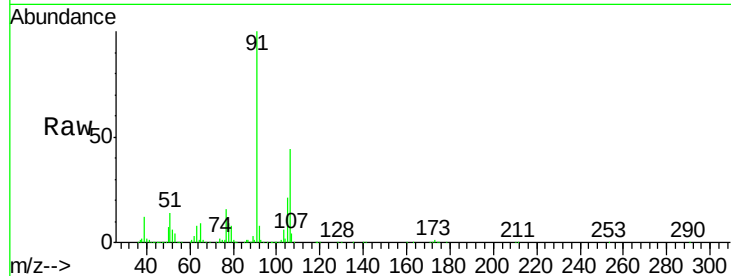
#59
m/p-Xylene
Concen: 20.512 ppbv m
RT: 13.03 min Scan# 3185
Delta R.T. -0.00 min
Lab File: VL034650.D
Acq: 19 Feb 2020 13:31

Instrument :
MSVOA_L
ClientSampleId :
VL0219ABS01

Tot Ion: 91 Resp: 4942389
Ion Ratio Lower Upper
91 100
106 44.9 35.3 52.9

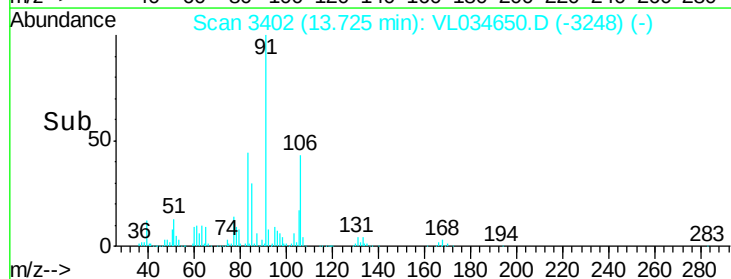
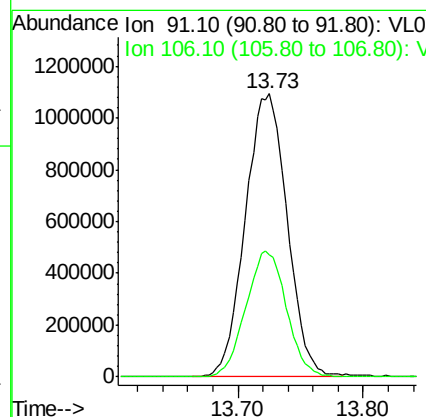
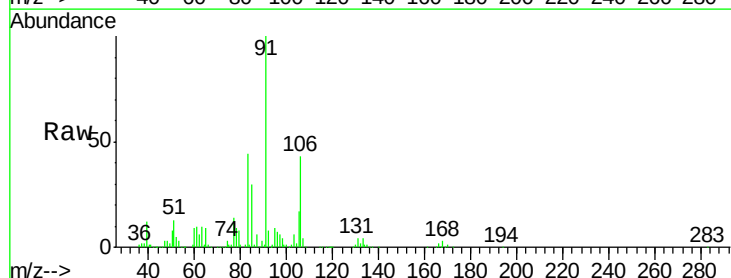
Manual Integrations
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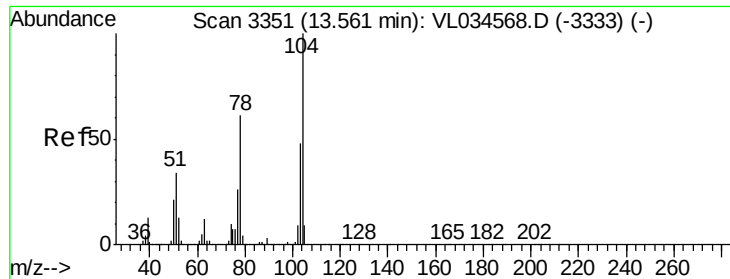
MMDadoda
2/21/2020 3:24:02 PM



#60
o-Xylene
Concen: 10.470 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. -0.00 min
Lab File: VL034650.D
Acq: 19 Feb 2020 13:31

Tgt Ion: 91 Resp: 2533682
Ion Ratio Lower Upper
91 100
106 43.4 21.6 65.0





#61

Stvrene

Concen: 11.190 ppbv

RT: 13.56 min Scan# 3350

Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

Tot Ion:104 Resp: 1805577

Ion Ratio Lower Upper

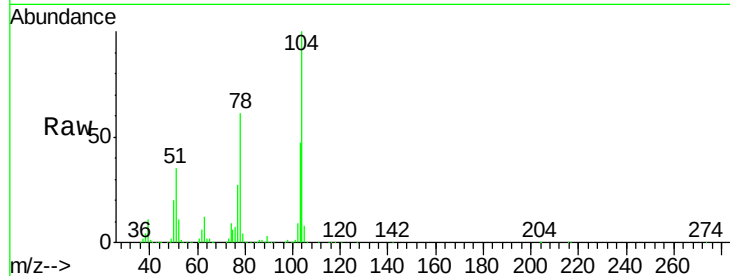
104 100

78 60.6 47.0 70.6

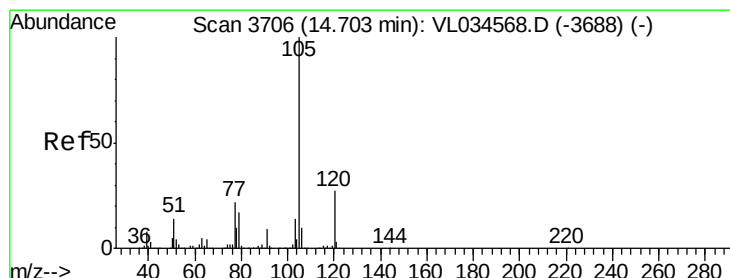
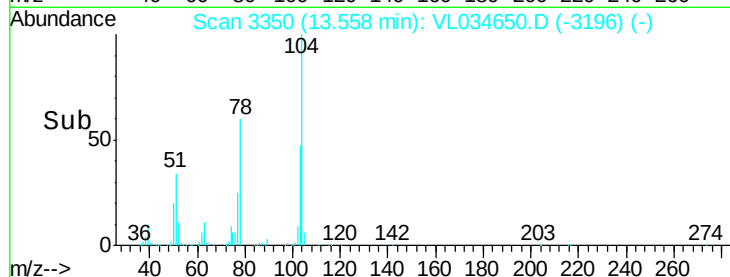
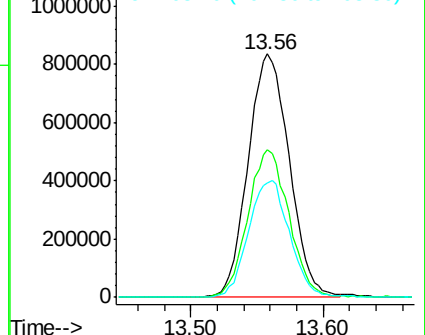
103 48.2 38.5 57.7

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Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.337 ppbv

RT: 14.70 min Scan# 3705

Delta R.T. -0.00 min

Lab File: VL034650.D

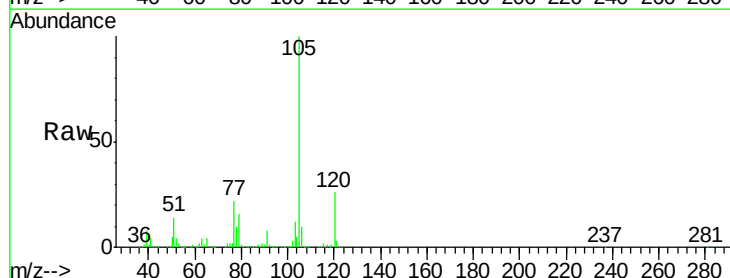
Acq: 19 Feb 2020 13:31

Tgt Ion:105 Resp: 3241429

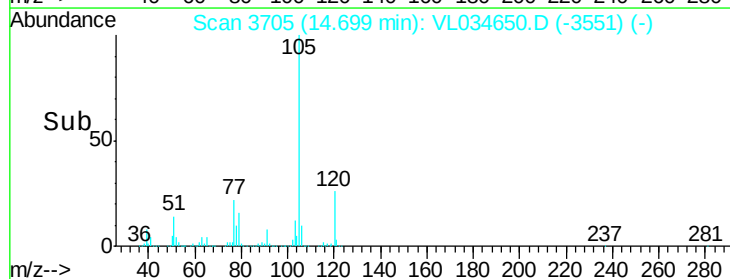
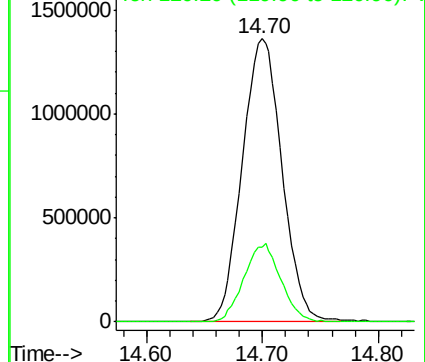
Ion Ratio Lower Upper

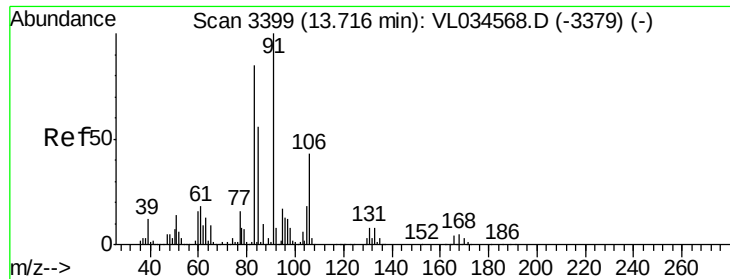
105 100

120 26.0 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





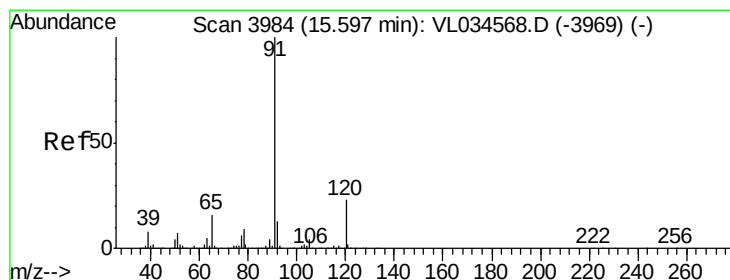
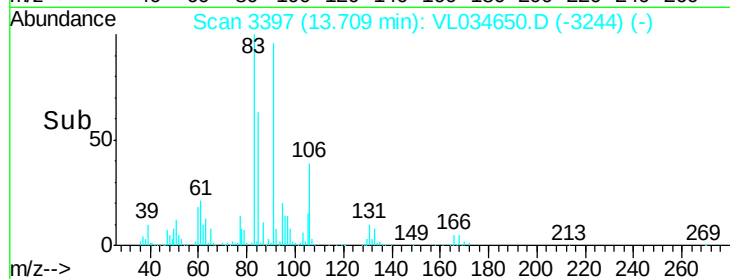
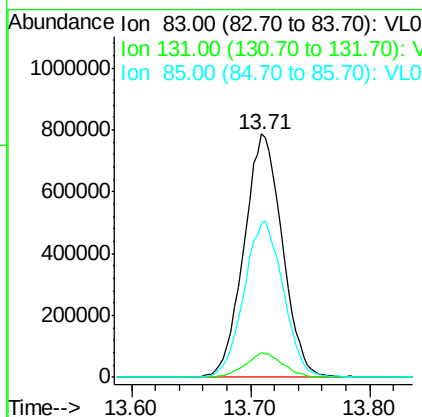
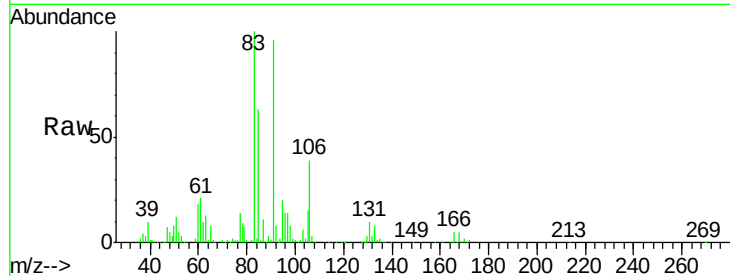
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.356 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. -0.01 min
 Lab File: VL034650.D
 Acq: 19 Feb 2020 13:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0219ABS01

Tot Ion	83	Resp	1751016
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.6
85	66.0	32.6	98.0

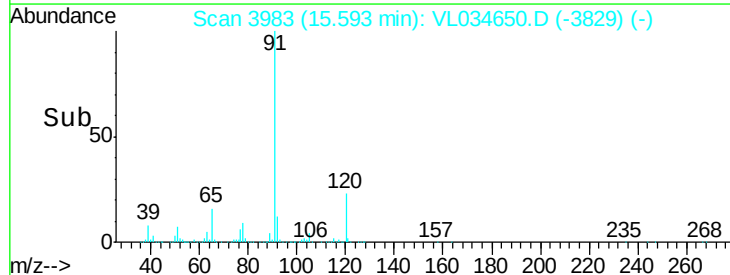
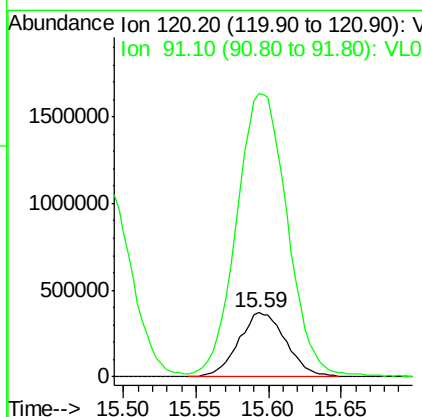
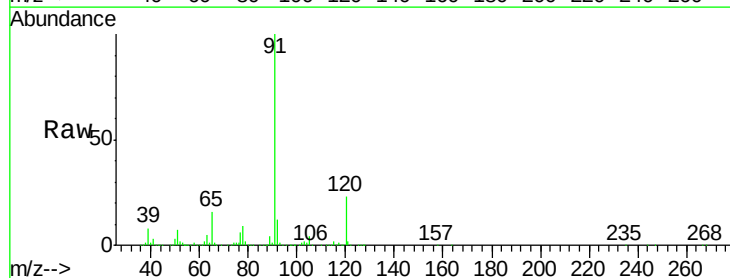
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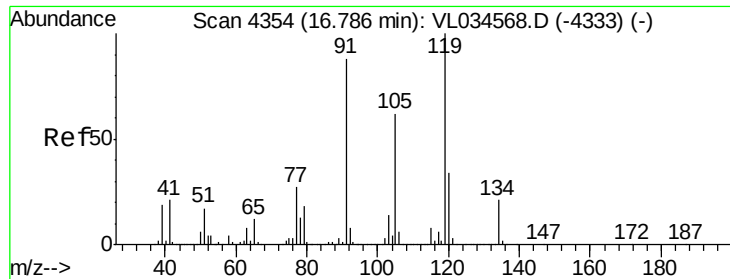
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#64
 n-propylbenzene
 Concen: 10.420 ppbv
 RT: 15.59 min Scan# 3983
 Delta R.T. -0.00 min
 Lab File: VL034650.D
 Acq: 19 Feb 2020 13:31

Tgt Ion	120	Resp	840665
Ion Ratio	Lower	Upper	
120	100		
91	477.0	365.3	547.9





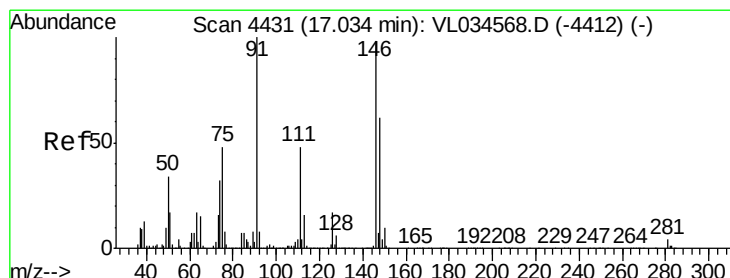
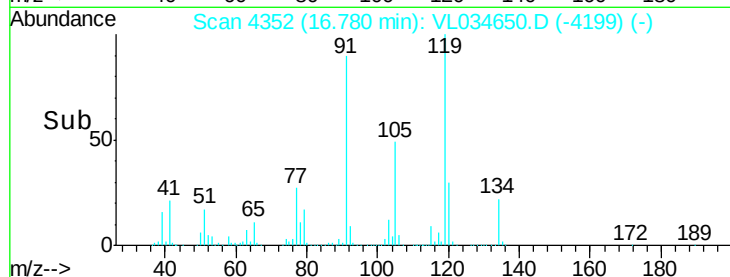
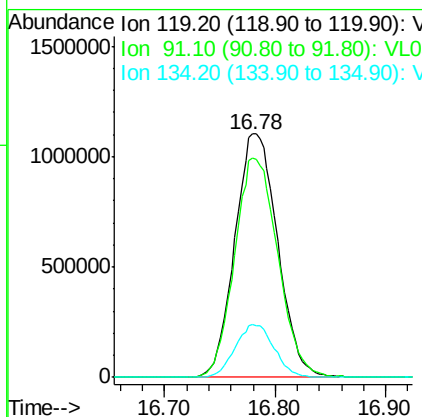
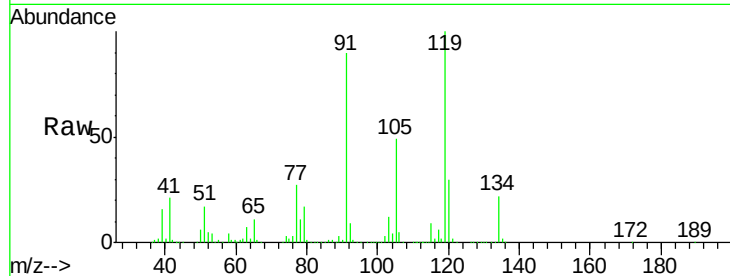
#65
 tert-Butylbenzene
 Concen: 10.418 ppbv
 RT: 16.78 min Scan# 4352
 Delta R.T. -0.01 min
 Lab File: VL034650.D
 Acq: 19 Feb 2020 13:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0219ABS01

Tot Ion:119 Resp: 2959664
 Ion Ratio Lower Upper
 119 100
 91 91.4 72.2 108.4
 134 19.9 15.9 23.9

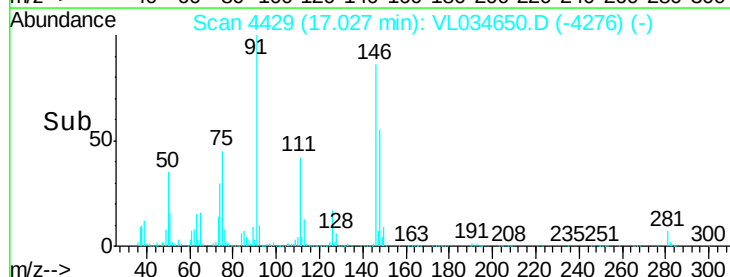
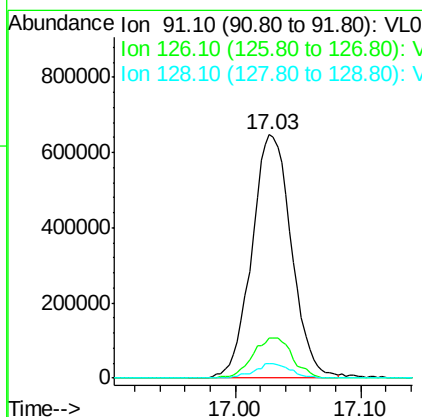
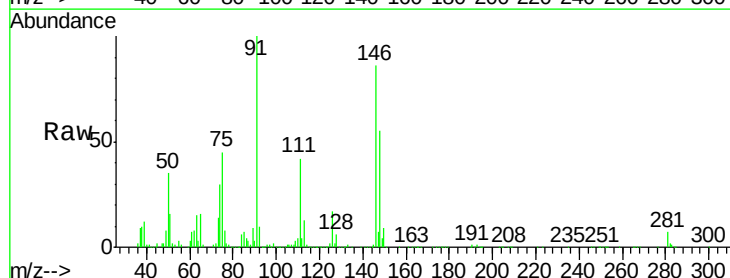
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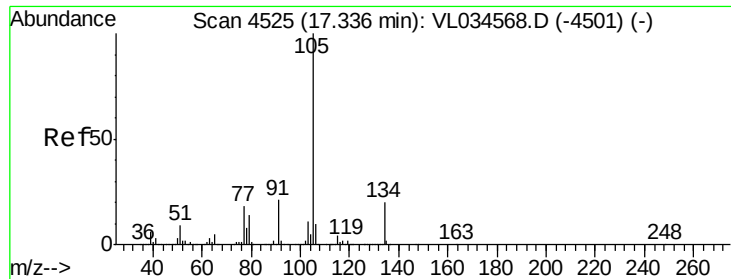
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#66
 Benzyl Chloride
 Concen: 11.932 ppbv
 RT: 17.03 min Scan# 4429
 Delta R.T. -0.01 min
 Lab File: VL034650.D
 Acq: 19 Feb 2020 13:31

Tgt Ion: 91 Resp: 1421425
 Ion Ratio Lower Upper
 91 100
 126 16.7 13.4 20.0
 128 5.5 4.3 6.5





#67

sec-Butylbenzene

Concen: 10.250 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

Tot Ion:105 Resp: 4002135

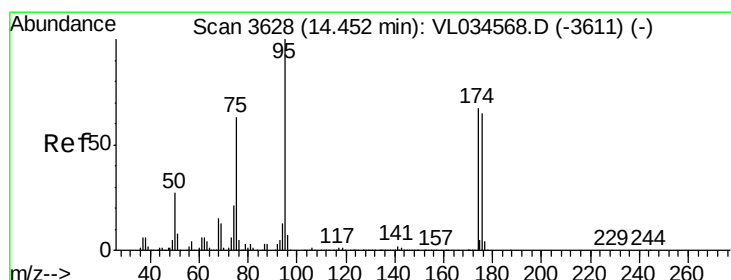
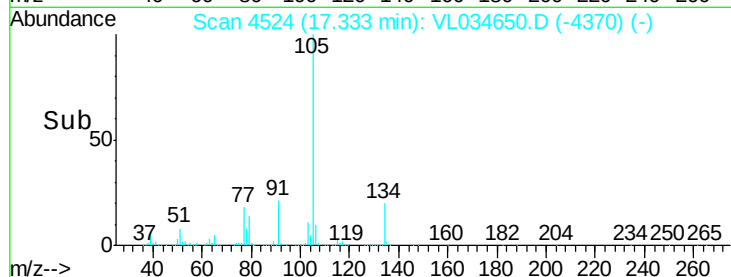
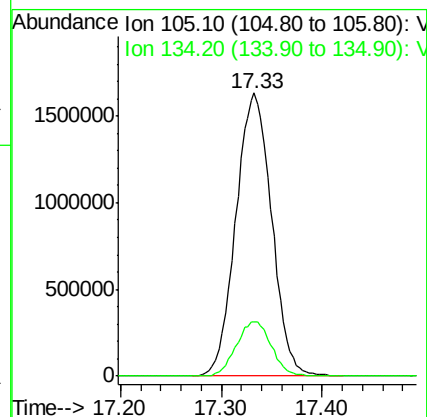
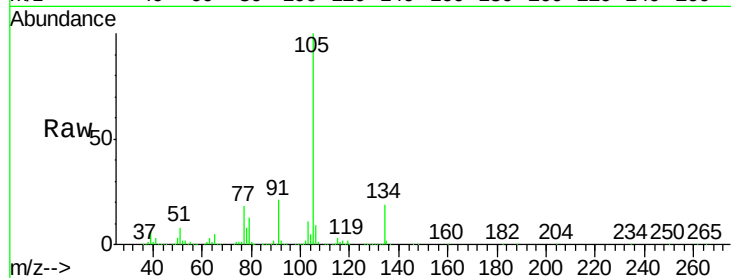
Ion Ratio Lower Upper

105 100

134 18.9 15.5 23.3

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.641 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

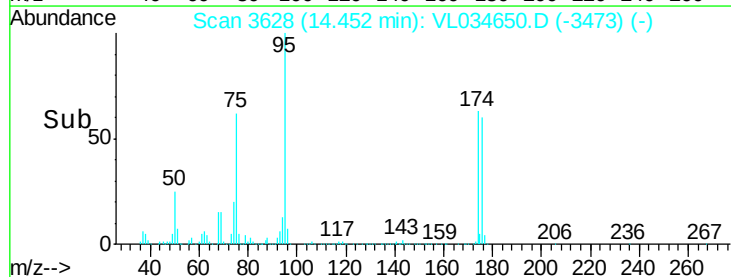
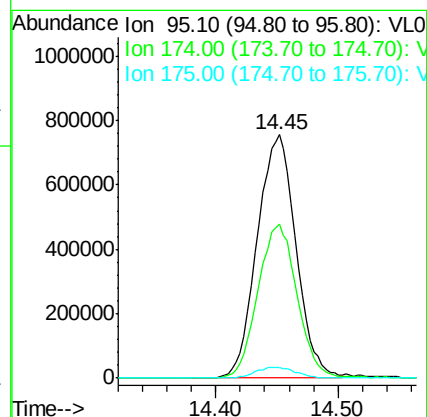
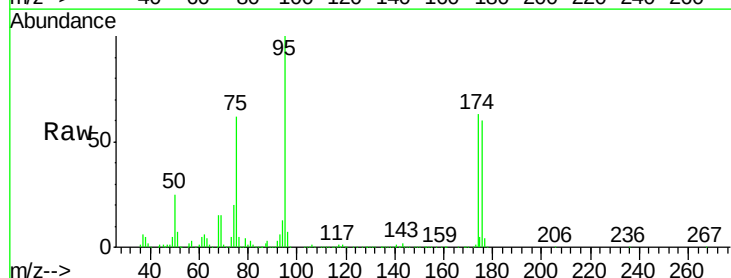
Tgt Ion: 95 Resp: 1659700

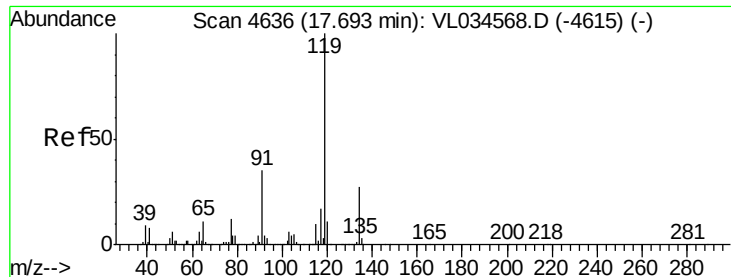
Ion Ratio Lower Upper

95 100

174 64.5 52.3 78.5

175 4.6 3.8 5.6





#69

p-Isopropyltoluene

Concen: 10.630 ppbv

RT: 17.69 min Scan# 4636

Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

Tot Ion:119 Resp: 3369888

Ion Ratio Lower Upper

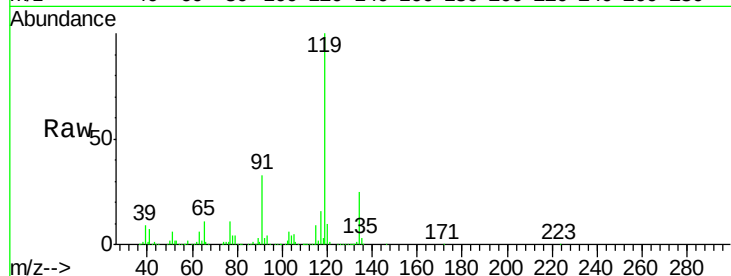
119 100

134 25.7 20.7 31.1

91 33.7 26.9 40.3

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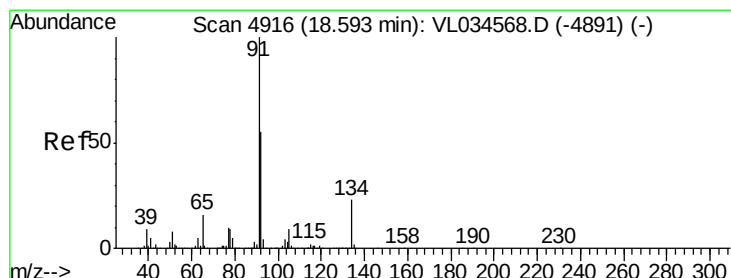
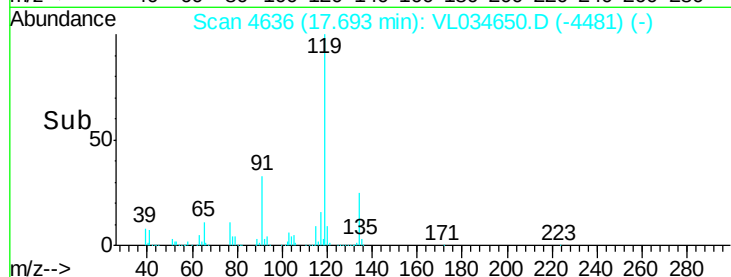
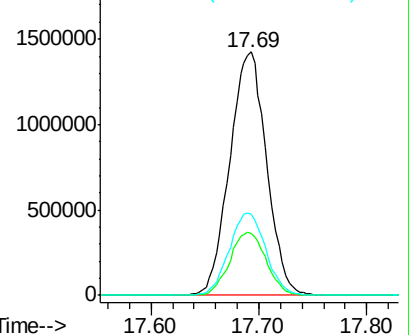
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Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 10.438 ppbv

RT: 18.59 min Scan# 4915

Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

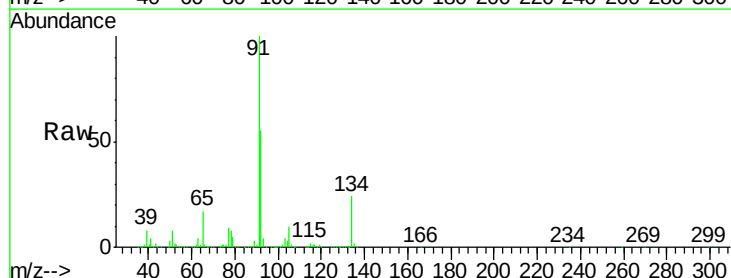
Tgt Ion: 91 Resp: 3512586

Ion Ratio Lower Upper

91 100

92 54.2 43.6 65.4

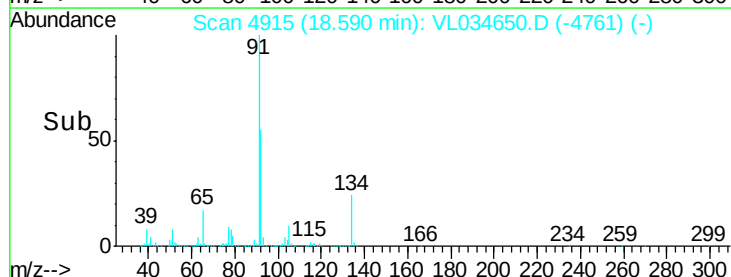
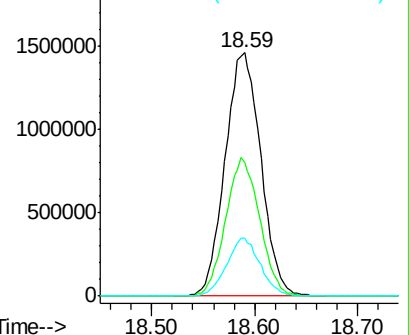
134 22.3 18.2 27.4

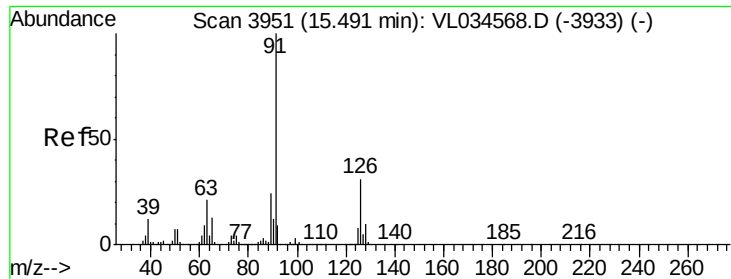


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 10.610 ppbv

RT: 15.49 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

Tot Ion: 91 Resp: 2525415

Ion Ratio Lower Upper

91 100

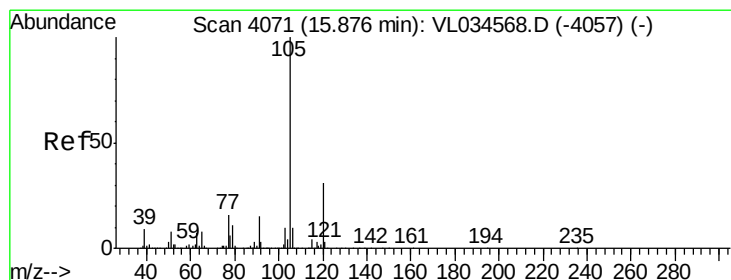
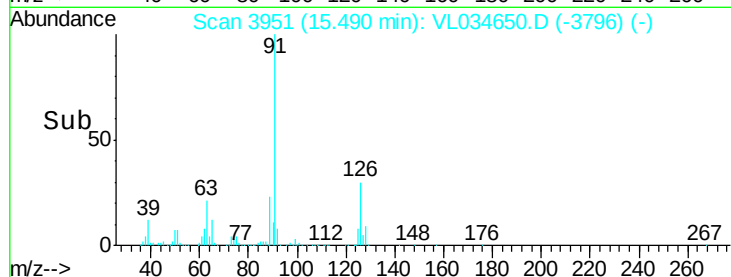
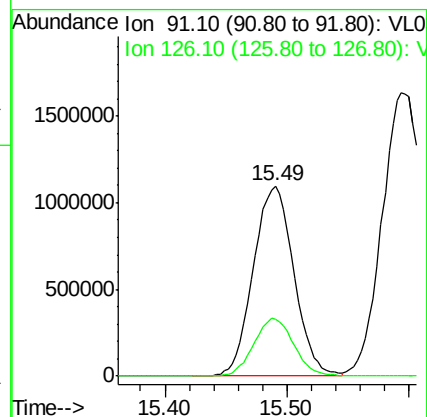
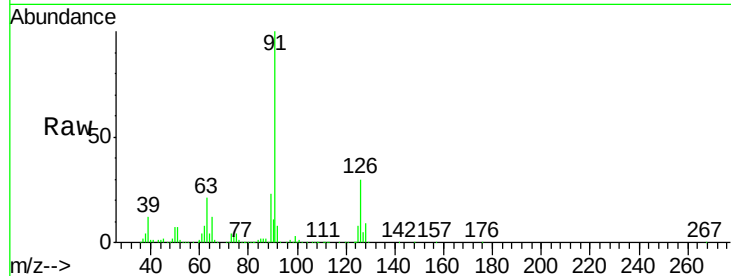
126 30.1 12.0 47.8

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#72

4-Ethyltoluene

Concen: 10.564 ppbv

RT: 15.88 min Scan# 4071

Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

Tgt Ion:105 Resp: 2808103

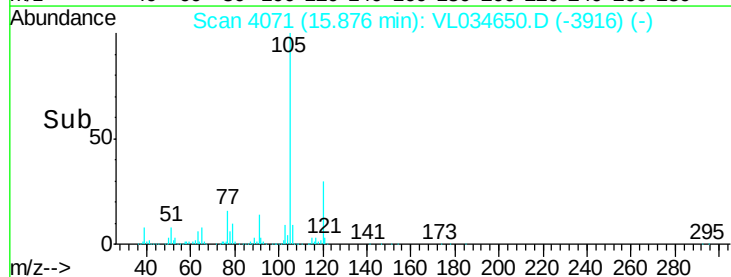
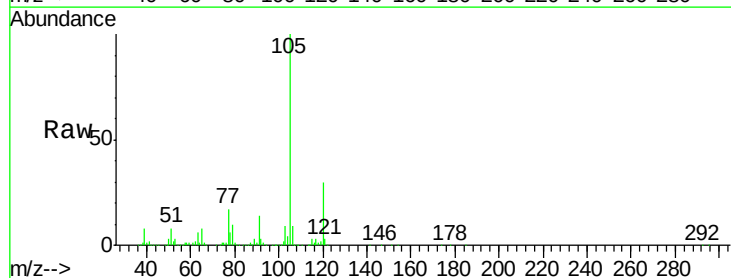
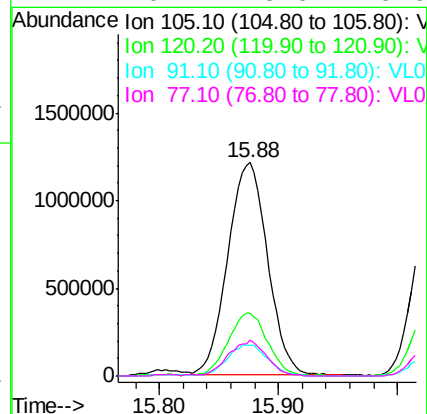
Ion Ratio Lower Upper

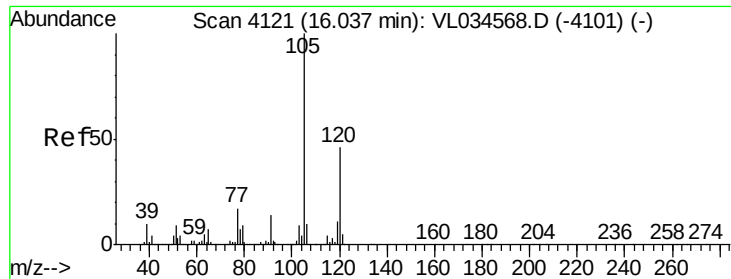
105 100

120 30.4 23.8 35.6

91 15.5 11.8 17.8

77 16.7 13.0 19.6





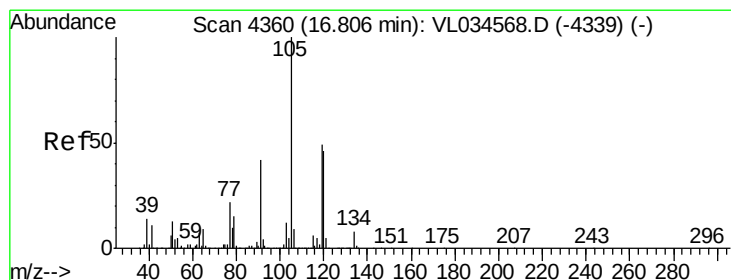
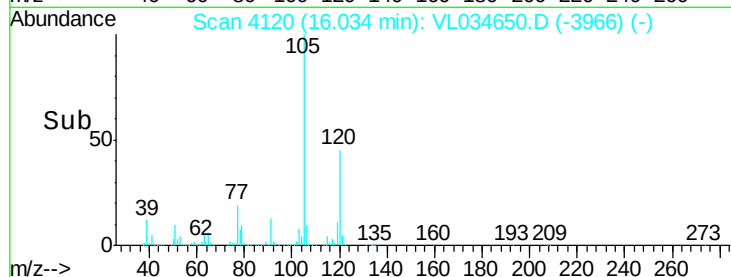
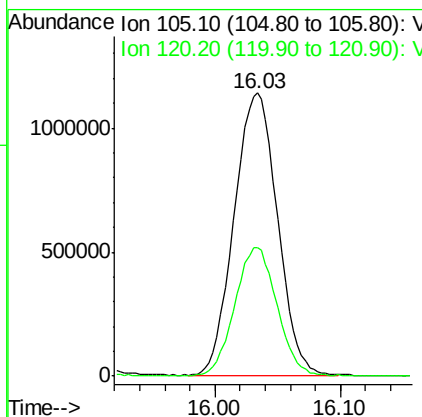
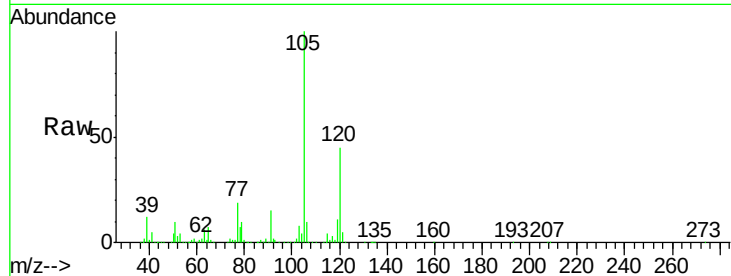
#73
 1,3,5-Trimethylbenzene
 Concen: 10.517 ppbv
 RT: 16.03 min Scan# 4120
 Delta R.T. -0.00 min
 Lab File: VL034650.D
 Acq: 19 Feb 2020 13:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0219ABS01

Tot Ion:105 Resp: 2731715
 Ion Ratio Lower Upper
 105 100
 120 45.3 37.0 55.6

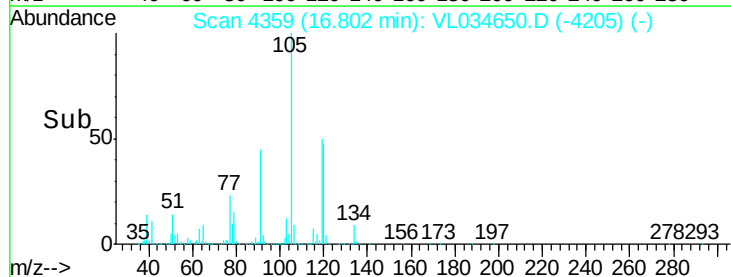
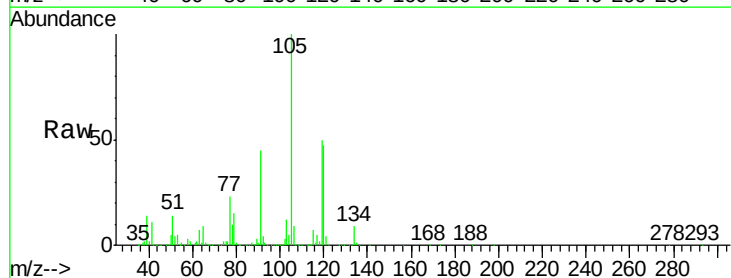
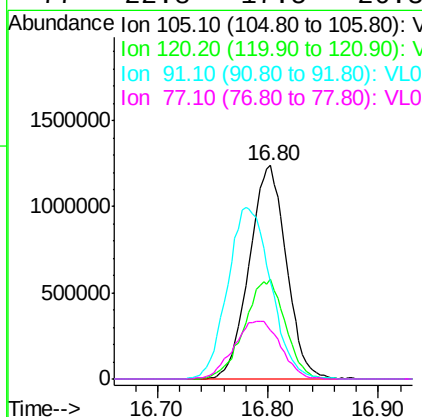
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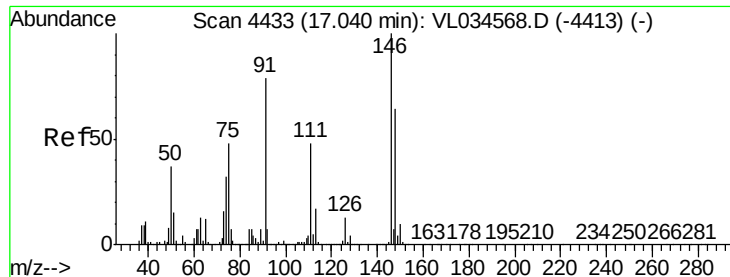
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.045 ppbv
 RT: 16.80 min Scan# 4359
 Delta R.T. -0.00 min
 Lab File: VL034650.D
 Acq: 19 Feb 2020 13:31

Tgt Ion:105 Resp: 2888250
 Ion Ratio Lower Upper
 105 100
 120 46.6 37.1 55.7
 91 45.0 34.3 51.5
 77 22.8 17.5 26.3





#75

1,3-Dichlorobenzene

Concen: 9.853 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

Tot Ion:146 Resp: 1631253

Ion Ratio Lower Upper

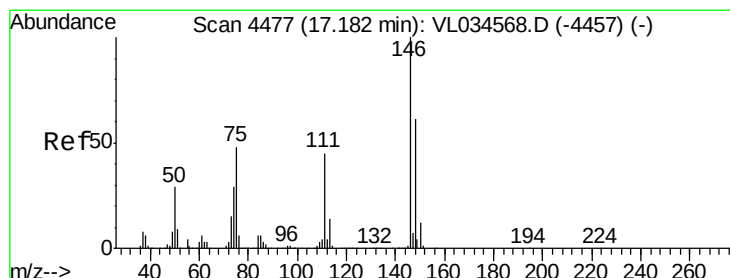
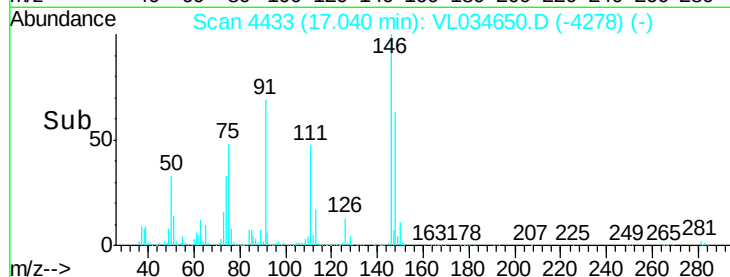
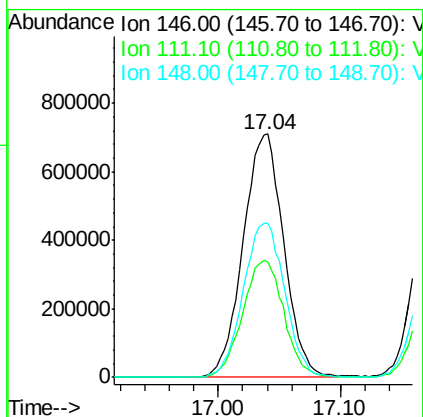
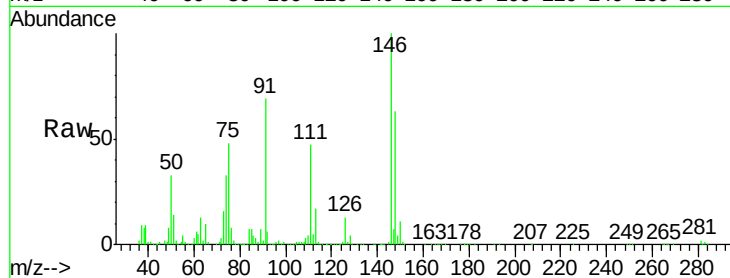
146 100

111 48.9 24.7 74.1

148 64.9 32.8 98.4

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#76

1,4-Dichlorobenzene

Concen: 9.791 ppbv

RT: 17.18 min Scan# 4476

Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

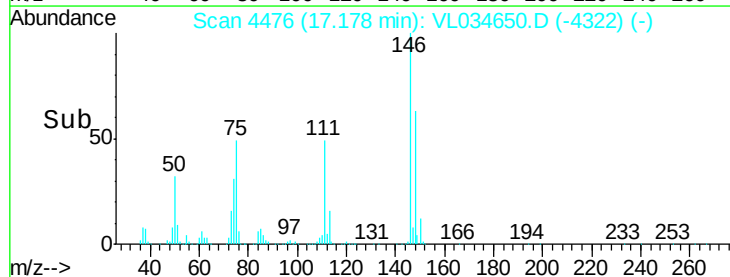
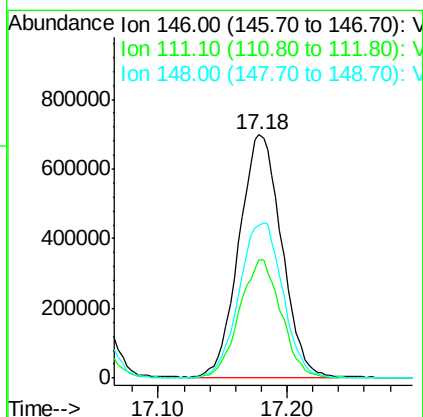
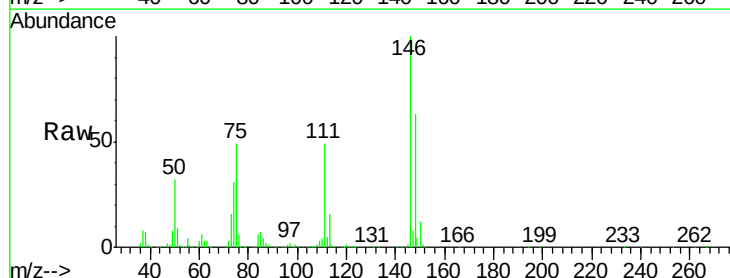
Tgt Ion:146 Resp: 1597707

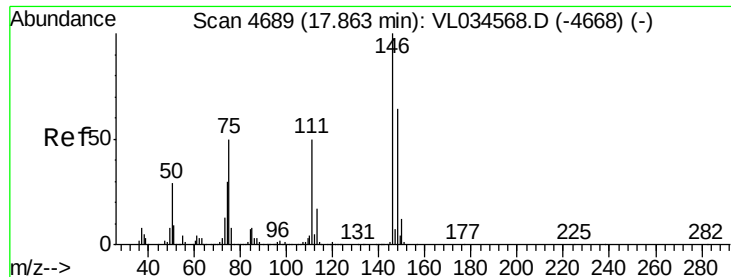
Ion Ratio Lower Upper

146 100

111 48.0 24.1 72.2

148 65.8 32.6 98.0





#77

1,2-Dichlorobenzene

Concen: 9.586 ppbv

RT: 17.86 min Scan# 4688

Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

Tot Ion:146 Resp: 1524688

Ion Ratio Lower Upper

146 100

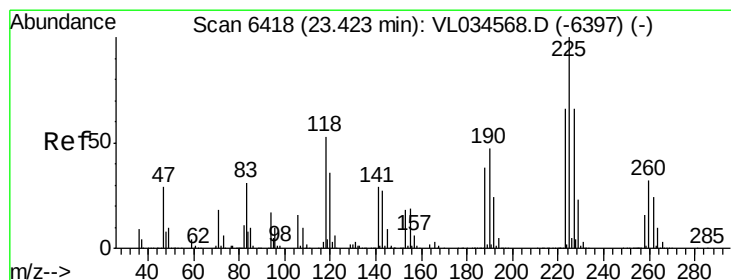
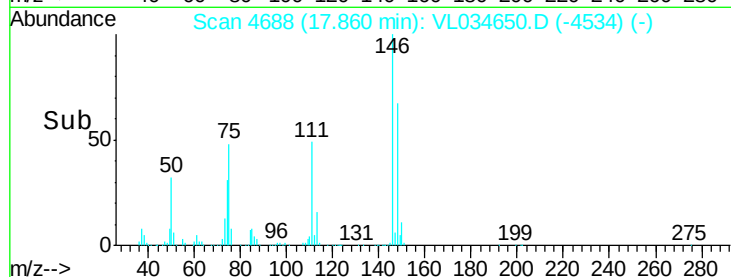
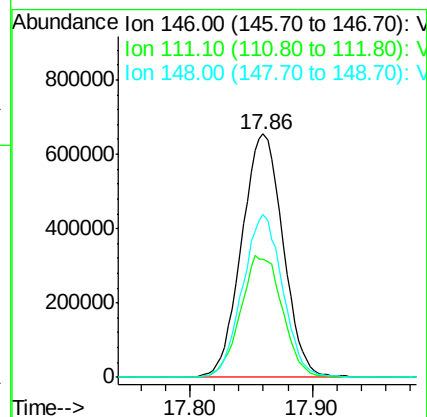
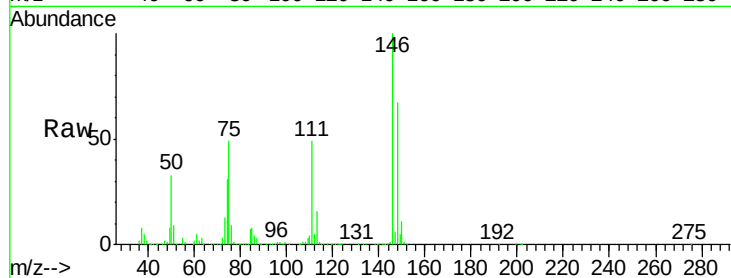
111 50.8 25.1 75.3

148 65.2 32.2 96.6

Manual Integrations
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#78

Hexachloro-1,3-Butadiene

Concen: 9.520 ppbv

RT: 23.42 min Scan# 6417

Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

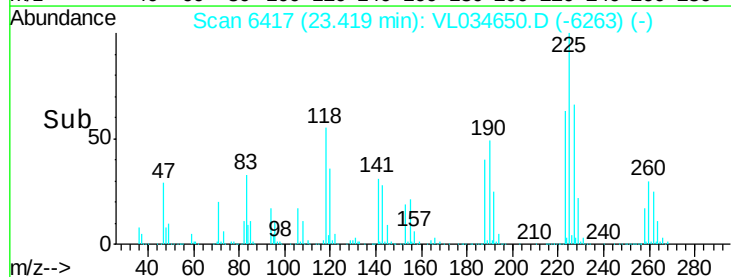
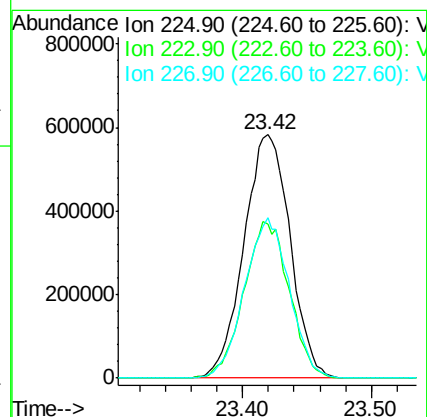
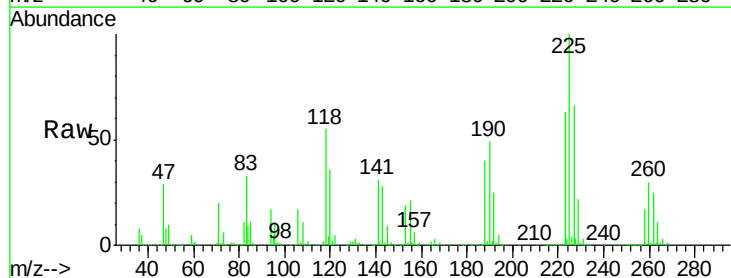
Tgt Ion:225 Resp: 1447984

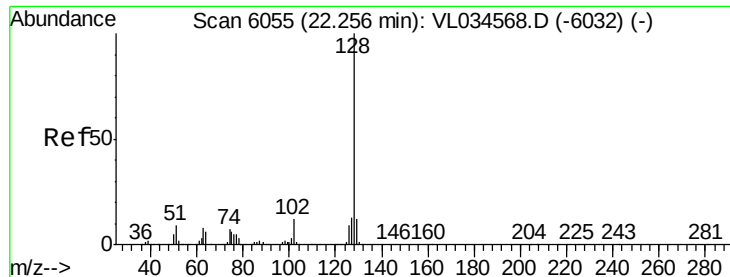
Ion Ratio Lower Upper

225 100

223 63.3 50.9 76.3

227 64.1 51.6 77.4





#79

Naphthalene

Concen: 10.851 ppbv

RT: 22.26 min Scan# 6055

Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

Instrument :

MSVOA_L

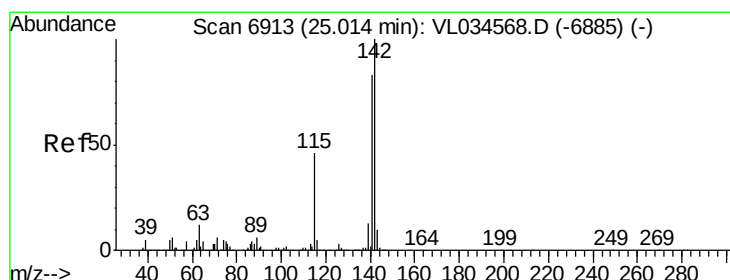
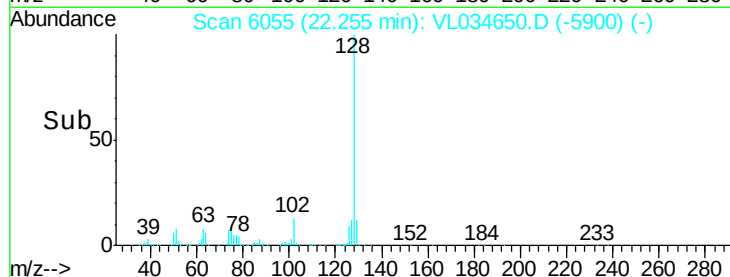
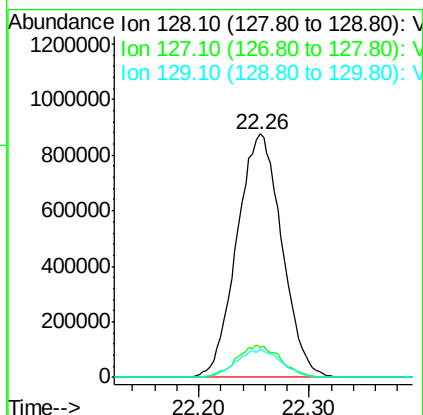
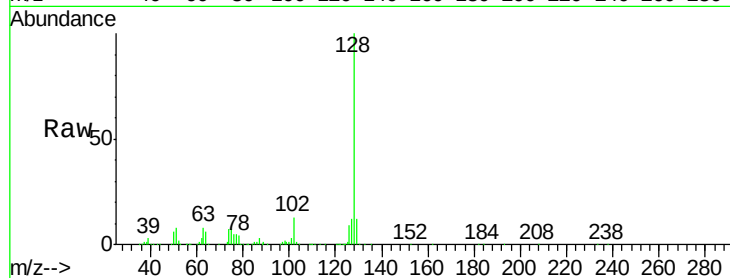
ClientSampleId :

VL0219ABS01

Tot Ion:	128	Resp:	2456371
Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.1	15.1
129	11.7	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
2/21/2020 3:24:02 PM



#80

Naphthalene, 2-methyl-

Concen: 15.189 ppbv

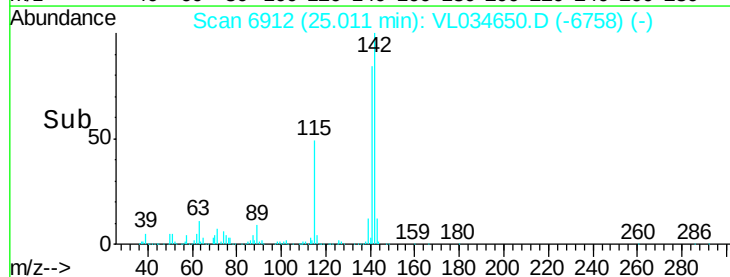
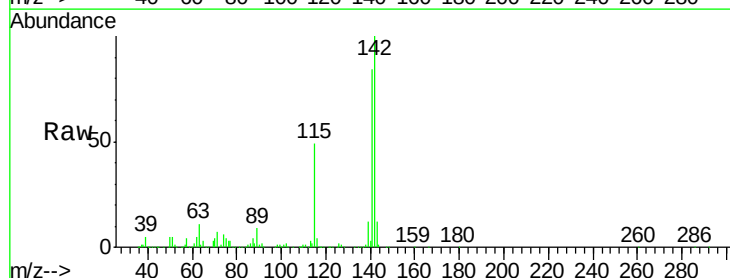
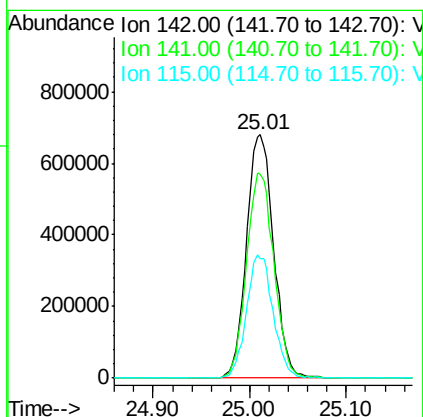
RT: 25.01 min Scan# 6912

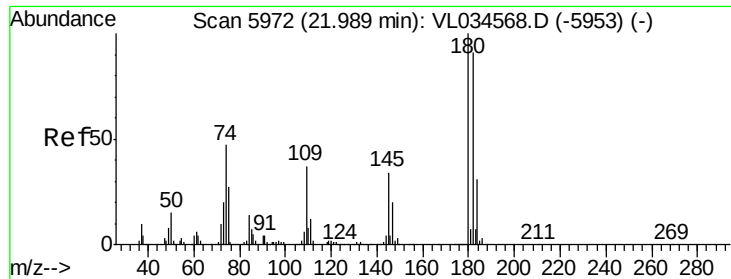
Delta R.T. -0.00 min

Lab File: VL034650.D

Acq: 19 Feb 2020 13:31

Tgt Ion:	142	Resp:	1322808
Ion	Ratio	Lower	Upper
142	100		
141	85.8	67.0	100.4
115	49.6	39.5	59.3





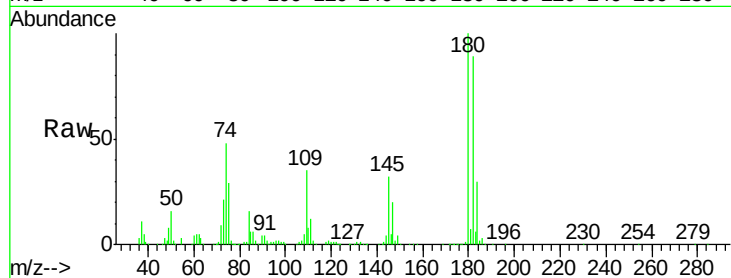
#81
 1,2,4-Trichlorobenzene
 Concen: 10.837 ppbv
 RT: 21.98 min Scan# 5970
 Delta R.T. -0.01 min
 Lab File: VL034650.D
 Acq: 19 Feb 2020 13:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0219ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	77.8	116.6
184	30.8	25.4	38.0

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:24:02 PM



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

