

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050721\
 Data File : VL036920.D
 Acq On : 7 May 2021 15:32
 Operator : SY/AP
 Sample : VL0507ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Manual Integrations
 APPROVED

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 5/10/2021 3:34:39 PM

Quant Time: May 08 06:54:50 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1356064	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3386706	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3317802m	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2644647	9.93	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	2173428	10.177	ppbv	99
3) Chlorodifluoromethane	3.00	51	2608981	10.562	ppbv	99
4) Chloromethane	3.15	50	864535	10.649	ppbv	95
5) Vinyl Chloride	3.27	62	819493	10.007	ppbv	100
6) Bromomethane	3.48	94	434952	9.877	ppbv	93
7) Chloroethane	3.56	64	275925	10.253	ppbv	89
8) Dichlorotetrafluoroethane	3.20	85	2002761	10.281	ppbv	98
9) Propene	3.01	41	778180	10.339	ppbv	98
10) Heptane	8.13	43	1996943	10.549	ppbv	98
11) Trichlorofluoromethane	3.96	101	1938898	10.171	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1278138	10.018	ppbv	99
13) Ethanol	3.63	45	78120m	8.138	ppbv	
14) Bromoethene	3.75	108	536733	10.297	ppbv	98
15) Acetone	3.86	43	1305632	10.215	ppbv	100
16) 1,3-Butadiene	3.34	39	859678	10.518	ppbv	96
17) tert-Butyl alcohol	4.30	59	984721	9.492	ppbv	97
18) 1,1-Dichloroethene	4.30	96	538178	9.706	ppbv	97
19) Isopropyl Alcohol	3.98	45	545696	8.617	ppbv	98
20) Methylene Chloride	4.35	84	495097	8.100	ppbv	97
21) Allyl Chloride	4.42	41	831745	8.758	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	525588	9.445	ppbv	97
23) Vinyl Acetate	5.08	43	2024943	11.647	ppbv #	98
24) 1,1-Dichloroethane	5.02	63	1503619	12.183	ppbv	98
25) Ethyl Acetate	5.69	43	2924452	9.367	ppbv	100
26) Hexane	5.70	57	1450356	9.929	ppbv	93
27) Carbon Disulfide	4.56	76	1367915	10.782	ppbv	100
28) Methyl tert-Butyl Ether	5.05	73	1481029	11.439	ppbv	100
29) Chloroform	5.76	83	2332486	10.243	ppbv	99
30) Cyclohexane	7.14	84	1186312	10.241	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1360622	10.377	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	2338089	10.097	ppbv	100
34) 2-Butanone	5.26	43	1347099	9.080	ppbv	97
35) Carbon Tetrachloride	7.03	117	2478266	10.784	ppbv	96
36) Benzene	6.90	78	2992104	10.486	ppbv	99
37) 1,2-Dichloroethane	6.32	62	1684450	10.425	ppbv	99
38) Trichloroethene	7.85	130	1106878	10.895	ppbv	99
39) 1,2-Dichloropropane	7.63	63	1185576	10.371	ppbv	97
40) 1,4-Dioxane	7.85	88	267587	9.693	ppbv	87
41) Tetrahydrofuran	6.07	42	594022	9.153	ppbv	100
42) Bromodichloromethane	7.80	83	2502912	11.148	ppbv	99
43) Methyl Methacrylate	8.02	69	1099592	11.810	ppbv	97

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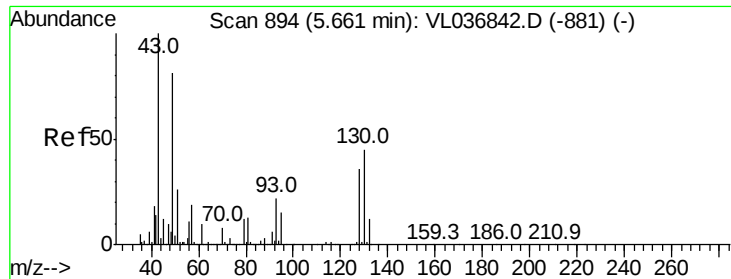
Manual Integrations
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Quant Time: May 08 06:54:50 2021
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5140522	10.512	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	759976	7.572	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1060105	8.237	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	1256078	10.613	ppbv	97
48) Dibromochloromethane	10.31	129	2050920	11.694	ppbv	98
49) Bromoform	13.05	173	1729481	12.353	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2113292	10.422	ppbv	99
51) 2-Hexanone	10.15	43	1066374	10.543	ppbv #	100
52) Tetrachloroethene	11.23	164	1015087	10.447	ppbv	98
53) Toluene	9.82	91	3371291	11.291	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1757709	10.519	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1453900	10.453	ppbv #	63
57) Chlorobenzene	12.16	112	2578463	9.978	ppbv	99
58) Ethyl Benzene	12.72	91	4569970	10.860	ppbv	98
59) m/p-Xylene	13.00	91	7903628m	21.014	ppbv	
60) o-Xylene	13.70	91	3764929	10.353	ppbv	100
61) Styrene	13.54	104	1950819	11.423	ppbv	100
62) Isopropylbenzene	14.68	105	5131007	10.370	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2884843	9.896	ppbv	100
64) n-propylbenzene	15.57	120	1360620	11.034	ppbv	99
65) tert-Butylbenzene	16.75	119	4509734	10.309	ppbv	99
66) Benzyl Chloride	17.00	91	362759m	8.481	ppbv	
67) sec-Butylbenzene	17.30	105	6350644	10.454	ppbv	100
69) p-Isopropyltoluene	17.66	119	5199737	10.677	ppbv	99
70) n-Butylbenzene	18.56	91	5464621	11.132	ppbv	99
71) 2-Chlorotoluene	15.46	91	4025700	10.986	ppbv	99
72) 4-Ethyltoluene	15.85	105	4432231	11.355	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	3921879	10.360	ppbv	96
74) 1,2,4-Trimethylbenzene	16.77	105	4140189	10.296	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	2469688	10.390	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	2352362	10.113	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	2363067	10.178	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1836801	9.311	ppbv	99
79) Naphthalene	22.21	128	2723695	12.094	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	229140	9.227	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	1646679	11.304	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 49 Resp: 1356064

Ion Ratio Lower Upper

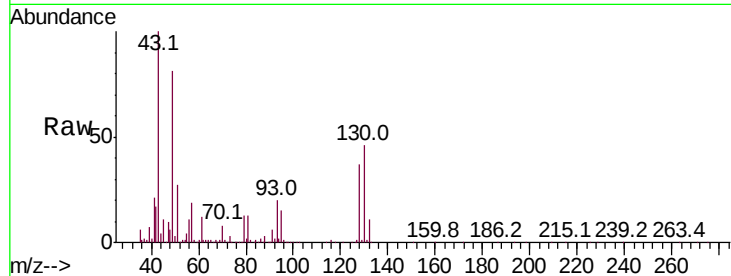
49 100

128 49.7 24.4 73.2

130 60.1 30.3 90.8

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

800000

600000

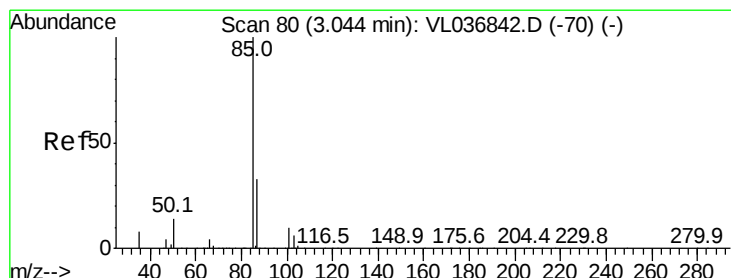
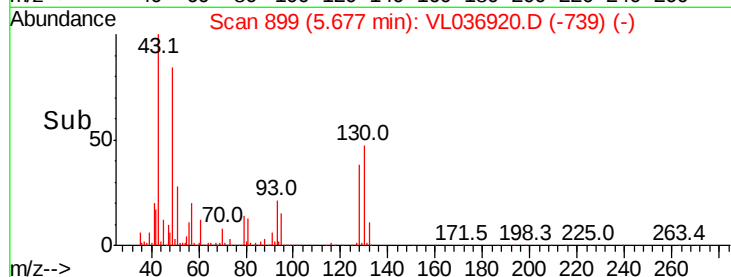
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 10.177 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL036920.D

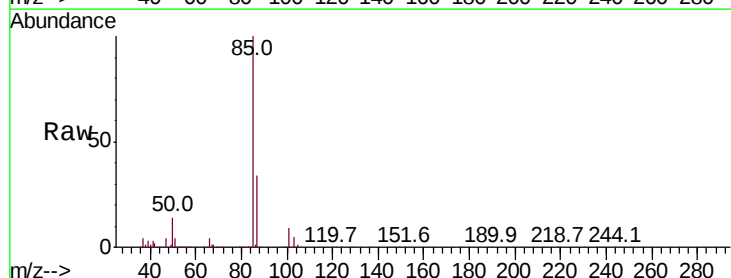
Acq: 7 May 2021 15:32

Tgt Ion: 85 Resp: 2173428

Ion Ratio Lower Upper

85 100

87 33.5 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

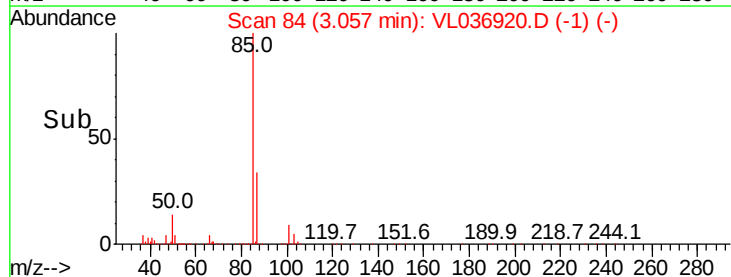
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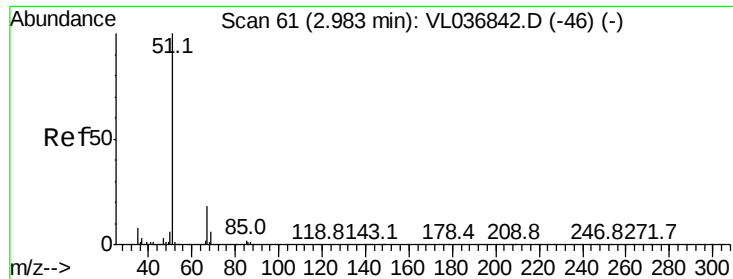
500000

0

3.00 3.05 3.10 3.15 3.20

Time-->





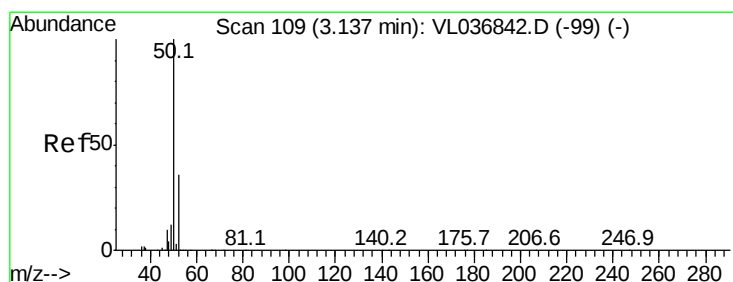
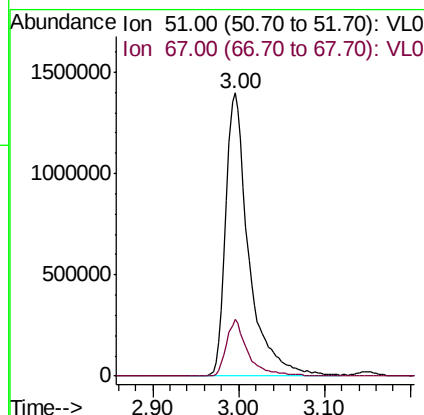
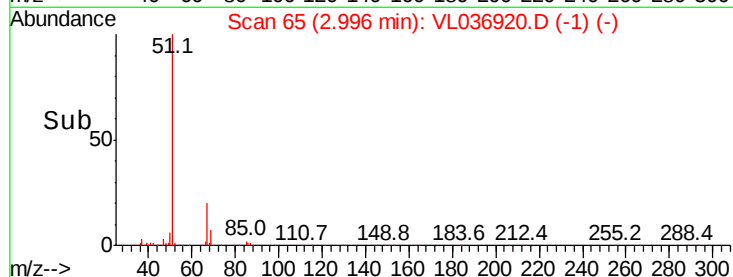
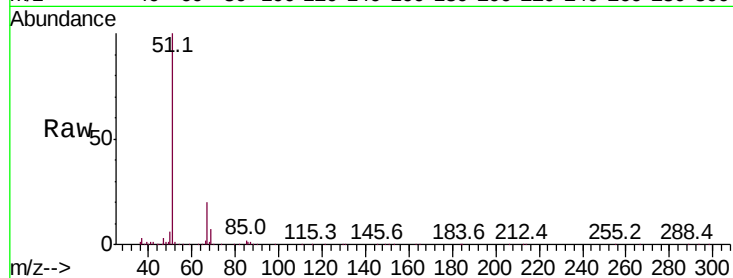
#3
Chlorodifluoromethane
Concen: 10.562 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion: 51 Resp: 2608981
Ion Ratio Lower Upper
51 100
67 18.8 14.8 22.2

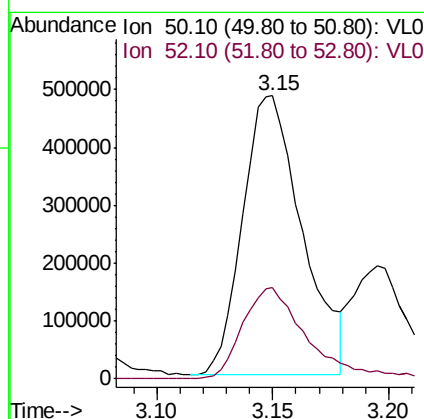
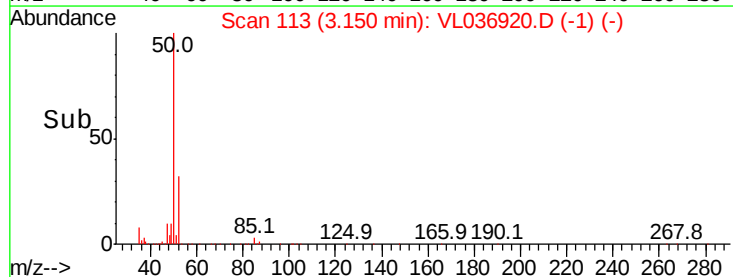
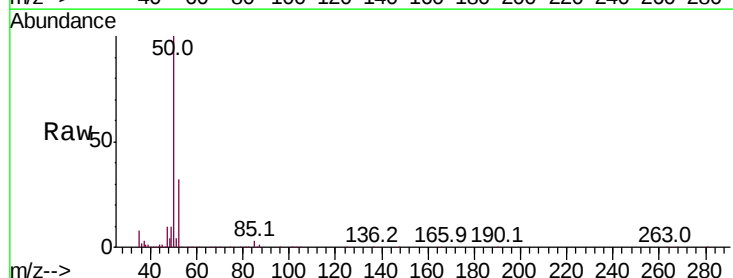
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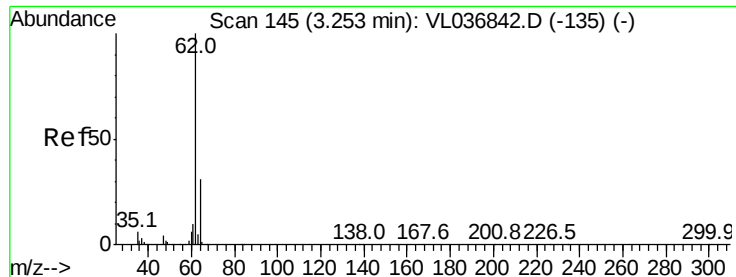
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#4
Chloromethane
Concen: 10.649 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Tgt Ion: 50 Resp: 864535
Ion Ratio Lower Upper
50 100
52 32.6 28.5 42.7





#5

Vinyl Chloride

Concen: 10.007 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 62 Resp: 819493

Ion Ratio Lower Upper

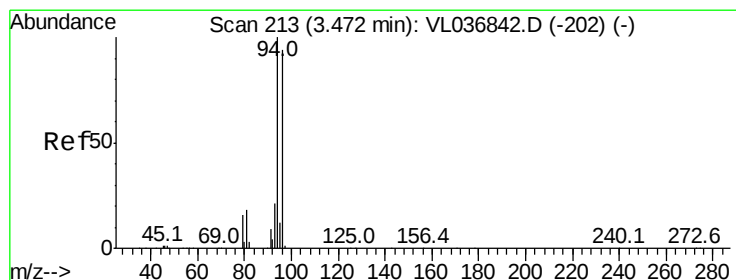
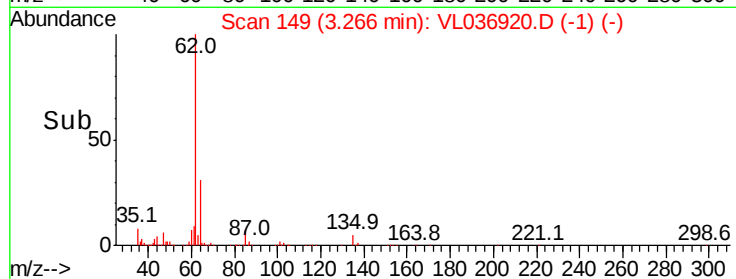
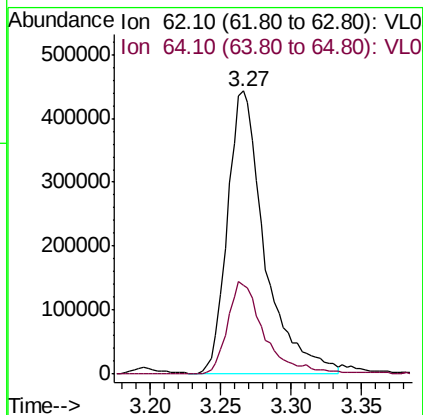
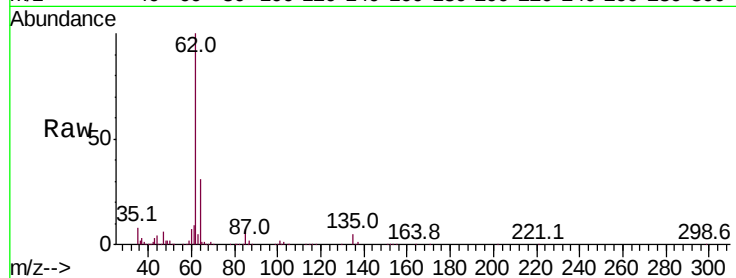
62 100

64 31.4 25.0 37.4

Manual Integrations
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#6

Bromomethane

Concen: 9.877 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.01 min

Lab File: VL036920.D

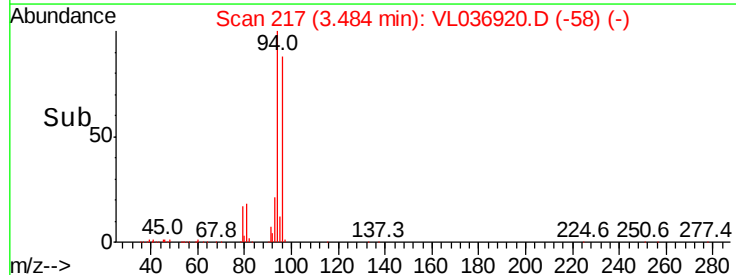
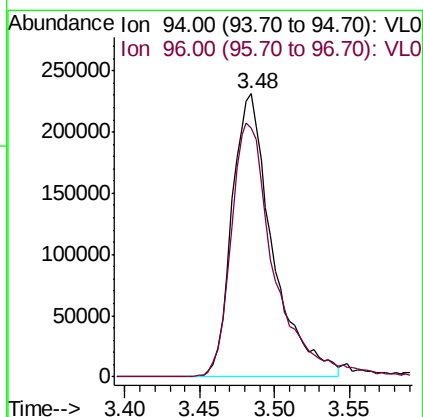
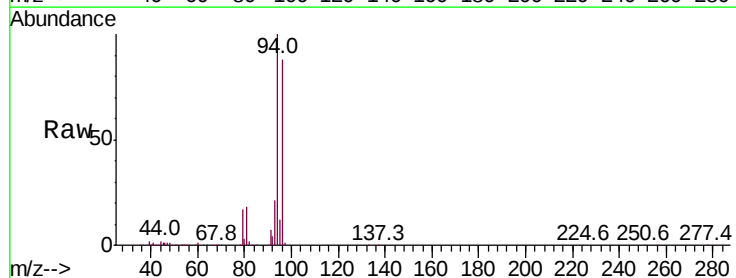
Acq: 7 May 2021 15:32

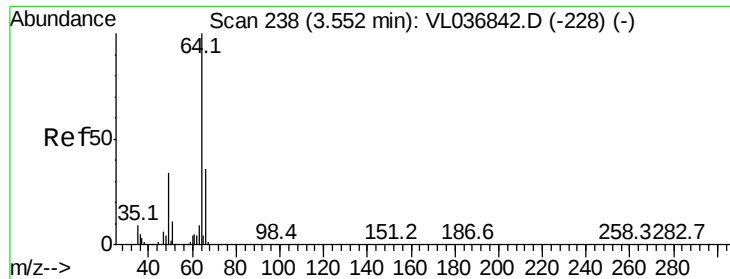
Tgt Ion: 94 Resp: 434952

Ion Ratio Lower Upper

94 100

96 87.7 75.4 113.0





#7

Chloroethane

Concen: 10.253 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 64 Resp: 275925

Ion Ratio Lower Upper

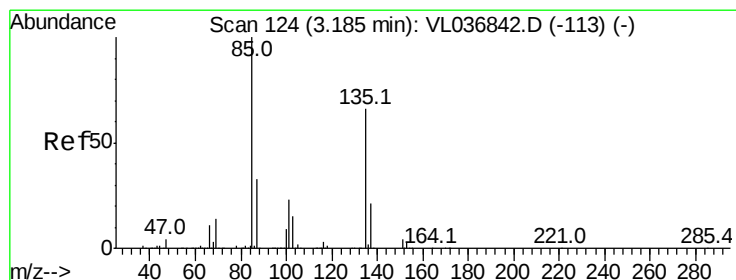
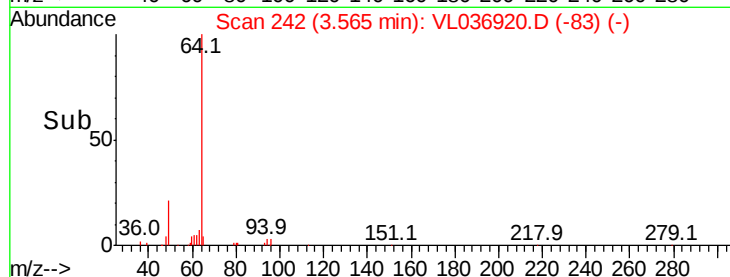
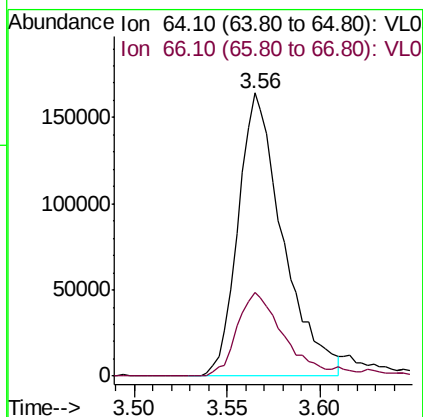
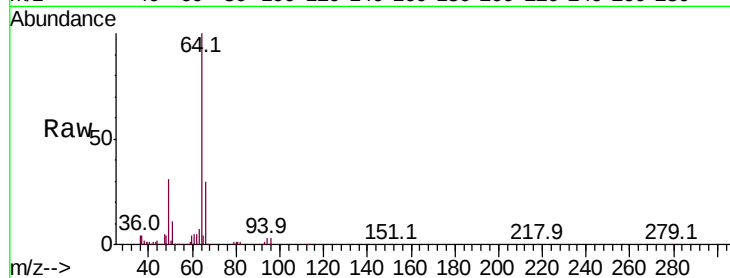
64 100

66 29.7 29.0 43.6

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#8

Dichlorotetrafluoroethane

Concen: 10.281 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL036920.D

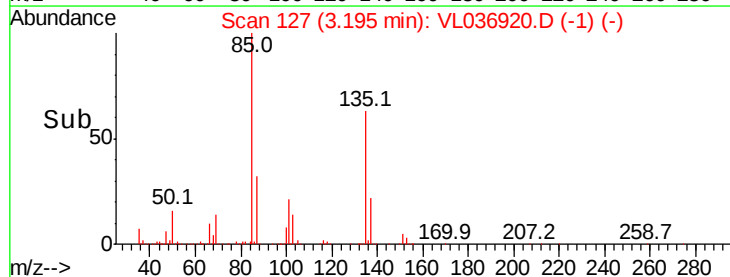
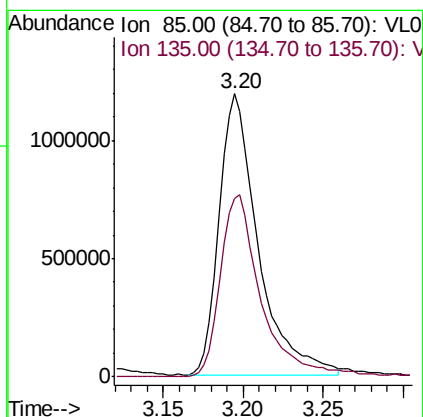
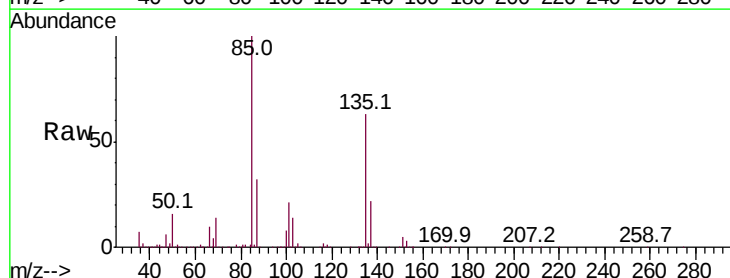
Acq: 7 May 2021 15:32

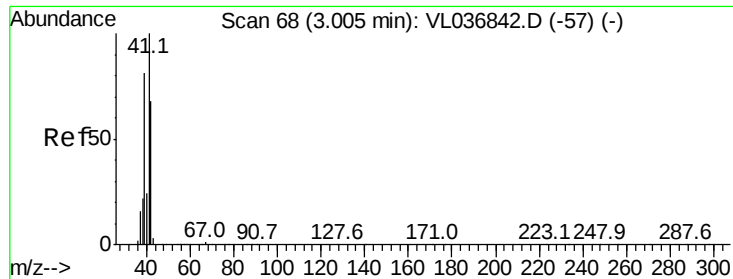
Tgt Ion: 85 Resp: 2002761

Ion Ratio Lower Upper

85 100

135 68.4 56.2 84.4





#9

Propene

Concen: 10.339 ppbv

RT: 3.01 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 41 Resp: 778180

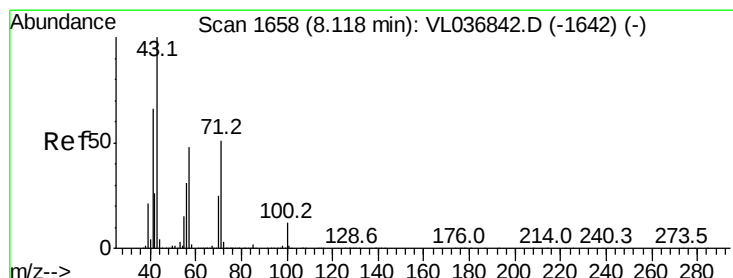
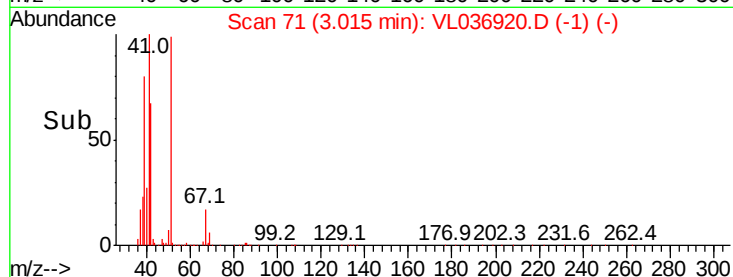
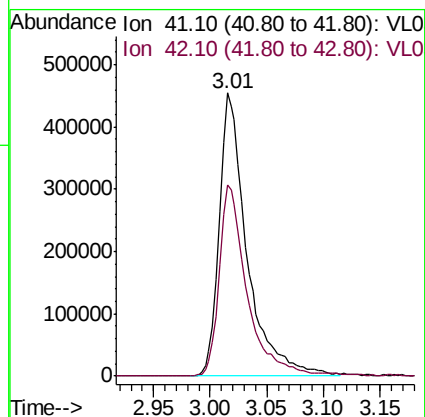
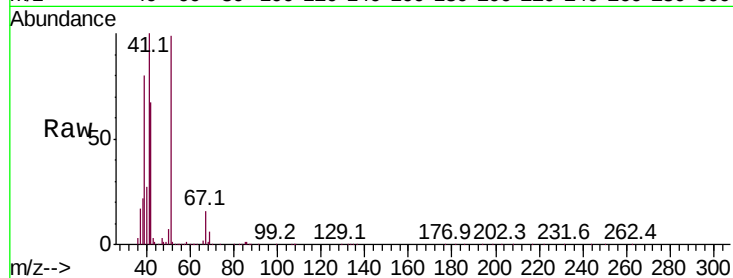
Ion Ratio Lower Upper

41 100

42 68.1 56.0 84.0

Manual Integrations
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#10

Heptane

Concen: 10.549 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.02 min

Lab File: VL036920.D

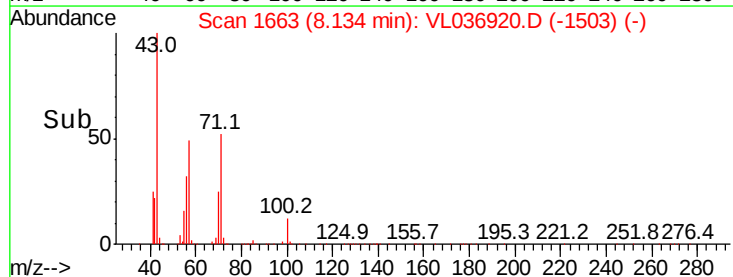
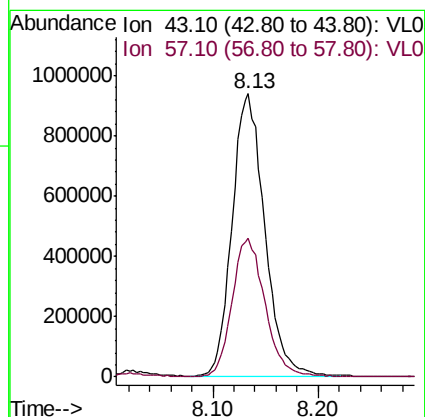
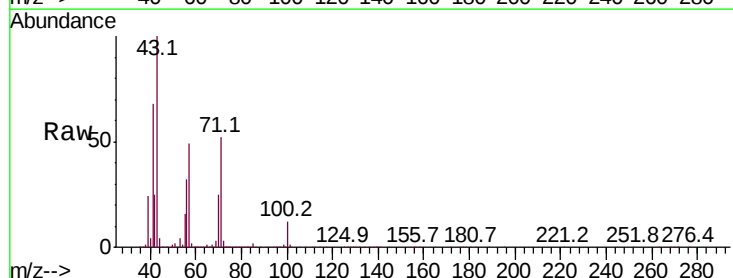
Acq: 7 May 2021 15:32

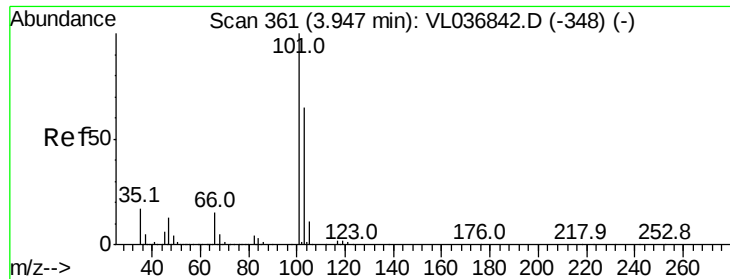
Tgt Ion: 43 Resp: 1996943

Ion Ratio Lower Upper

43 100

57 50.0 38.8 58.2





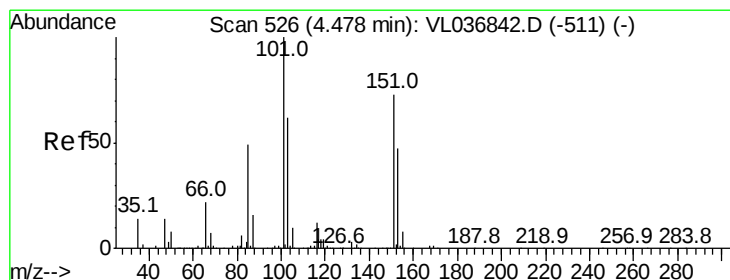
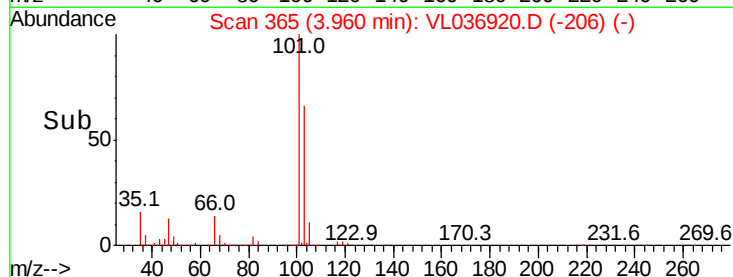
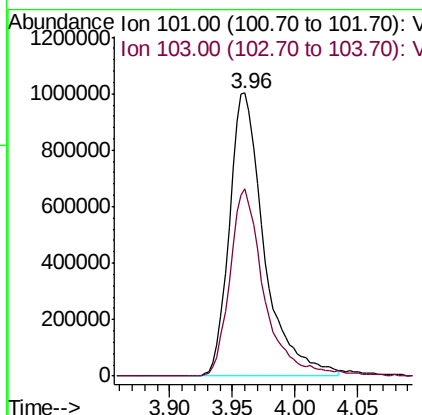
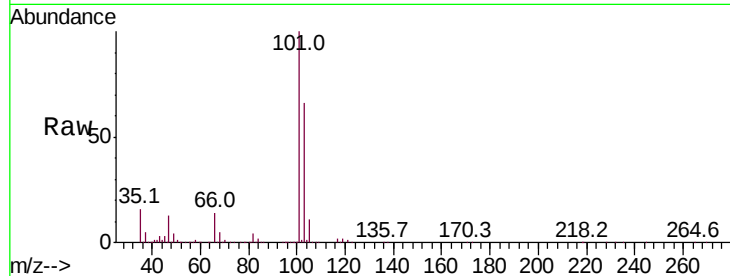
#11
 Trichlorofluoromethane
 Concen: 10.171 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion:101 Resp: 1938898
 Ion Ratio Lower Upper
 101 100
 103 66.2 51.6 77.4

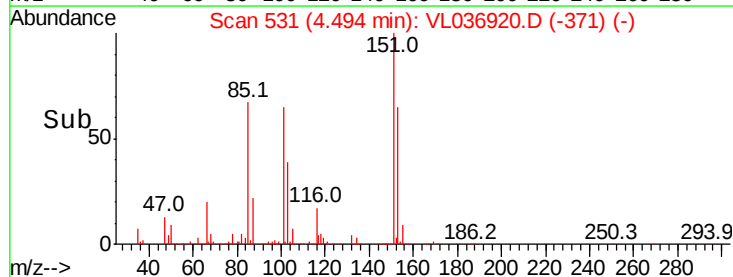
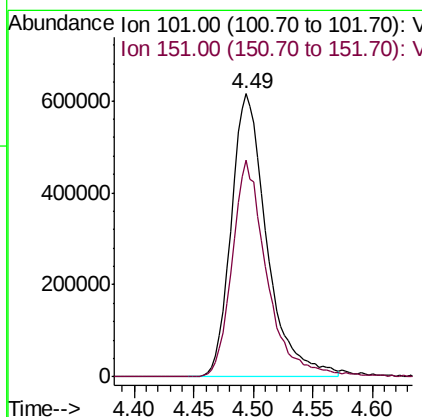
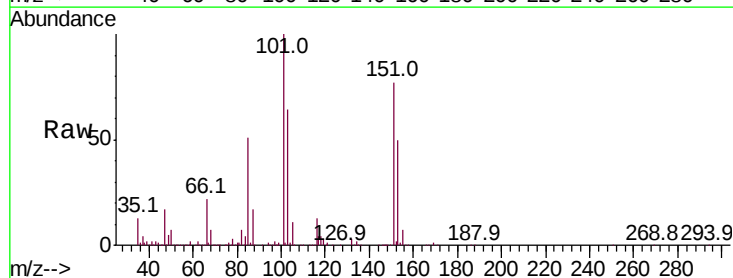
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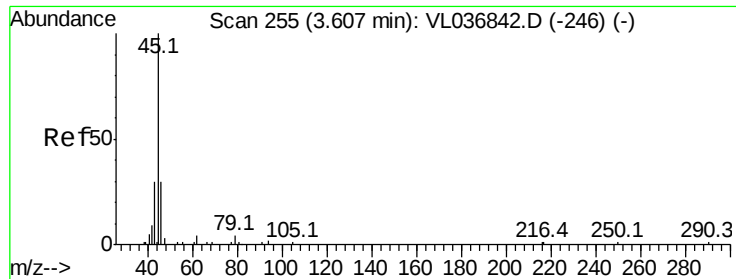
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.018 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.02 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

Tgt Ion:101 Resp: 1278138
 Ion Ratio Lower Upper
 101 100
 151 75.1 61.1 91.7





#13

Ethanol

Concen: 8.138 ppbv m

RT: 3.63 min Scan# 262

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 45 Resp: 78120

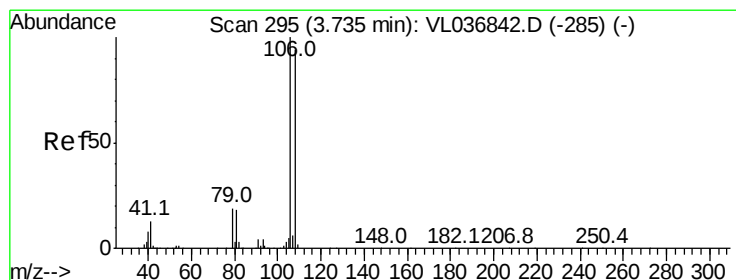
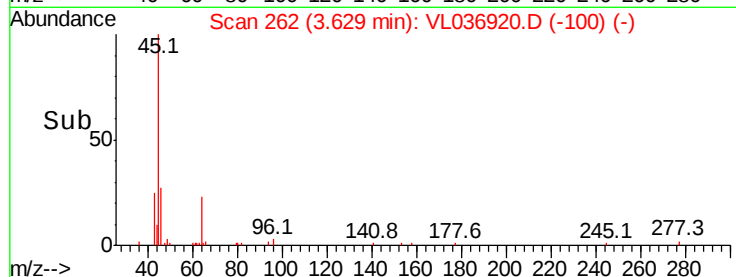
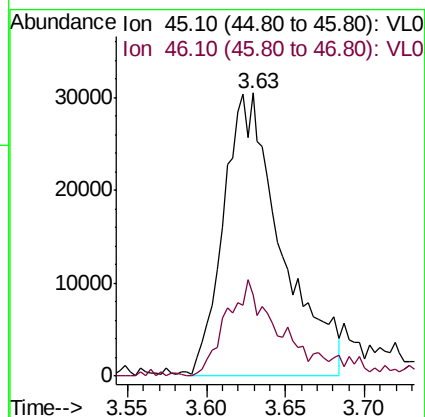
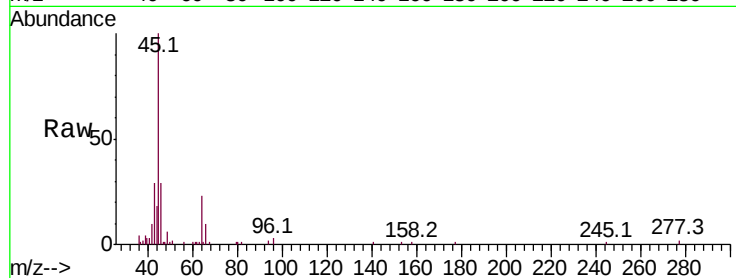
Ion Ratio Lower Upper

45 100

46 0.0 16.8 67.4#

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#14

Bromoethene

Concen: 10.297 ppbv

RT: 3.75 min Scan# 300

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

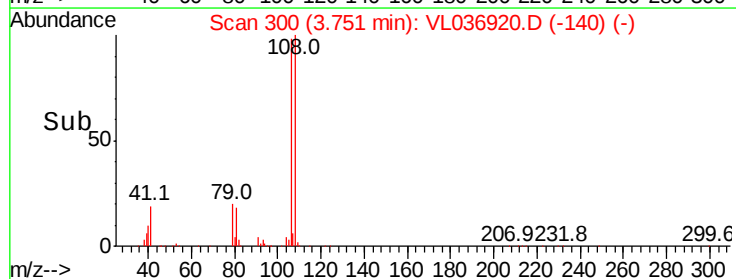
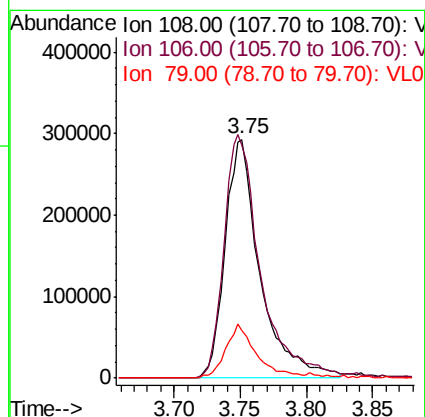
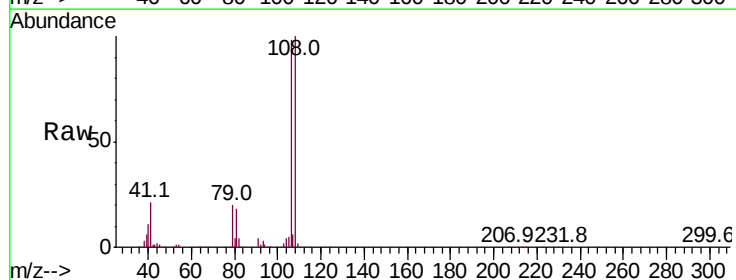
Tgt Ion: 108 Resp: 536733

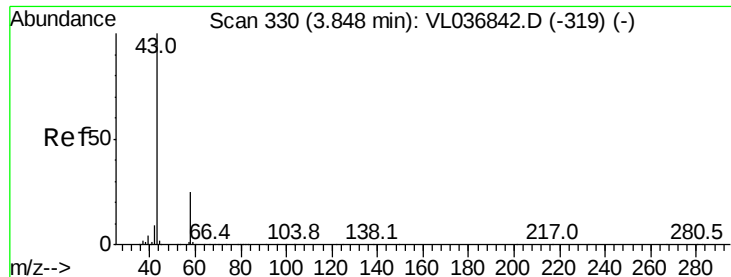
Ion Ratio Lower Upper

108 100

106 108.9 88.5 132.7

79 21.8 17.9 26.9





#15

Acetone

Concen: 10.215 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 43 Resp: 1305632

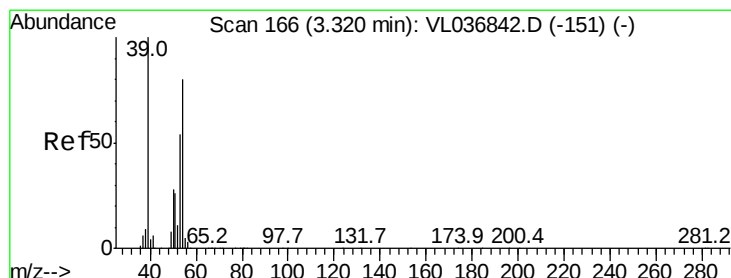
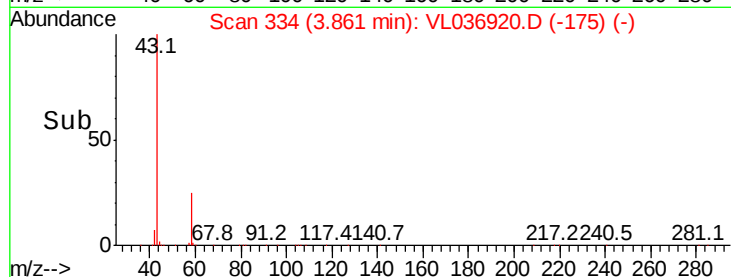
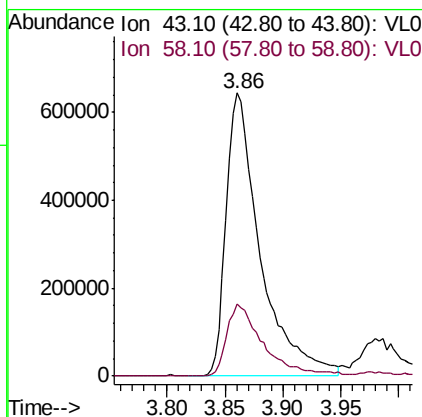
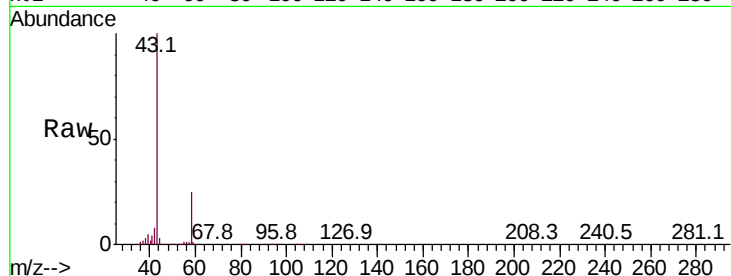
Ion Ratio Lower Upper

43 100

58 27.3 21.7 32.5

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#16

1,3-Butadiene

Concen: 10.518 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.02 min

Lab File: VL036920.D

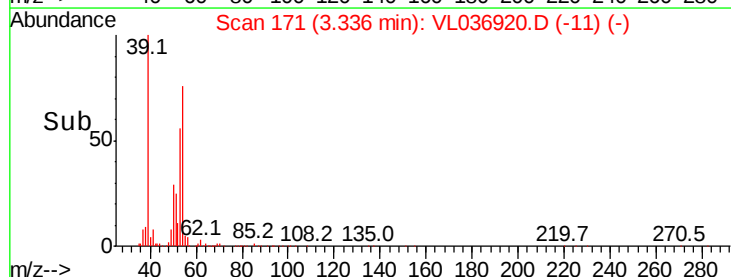
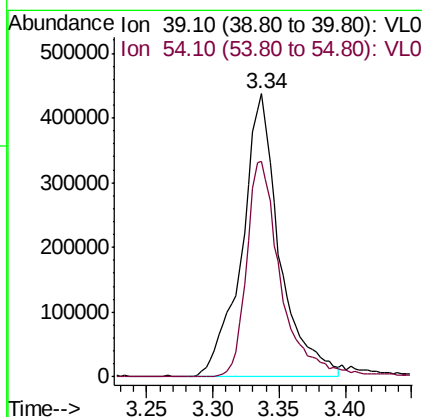
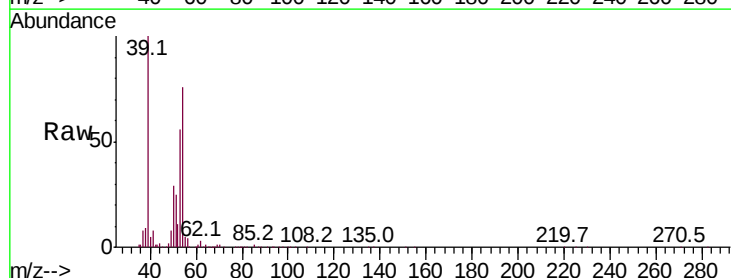
Acq: 7 May 2021 15:32

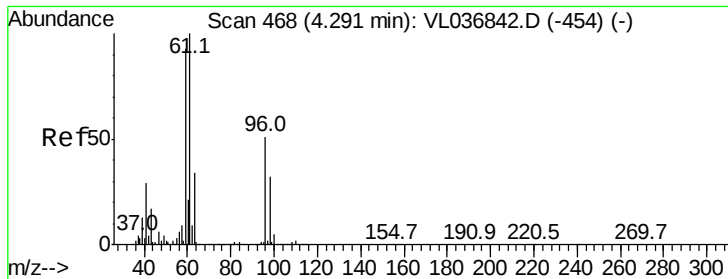
Tgt Ion: 39 Resp: 859678

Ion Ratio Lower Upper

39 100

54 70.8 59.6 89.4





#17

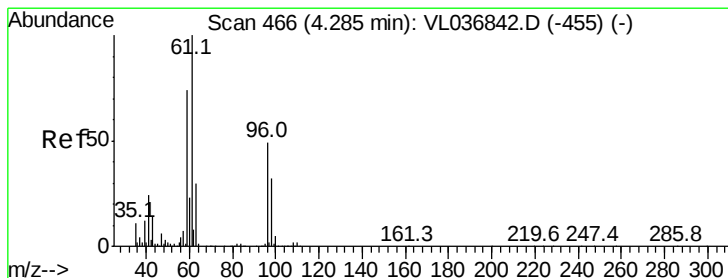
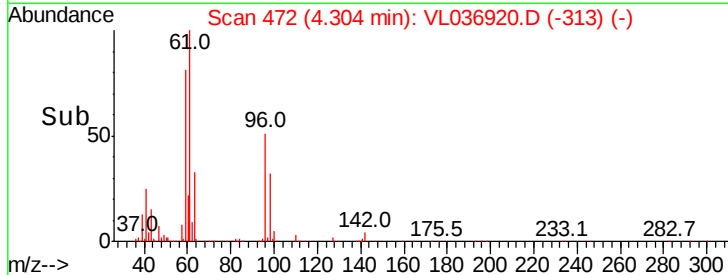
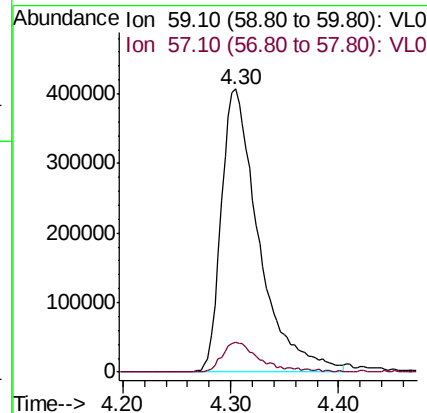
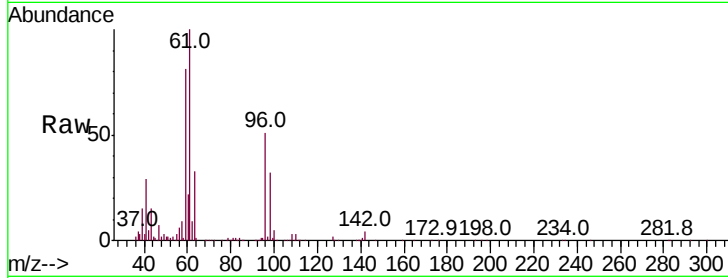
tert-Butyl alcohol
Concen: 9.492 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.6	8.3	12.5

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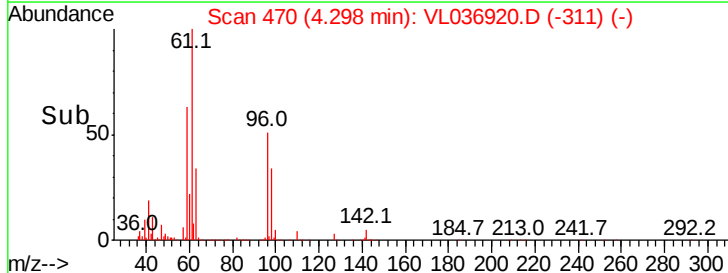
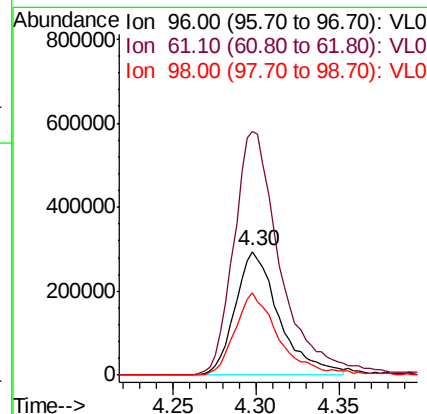
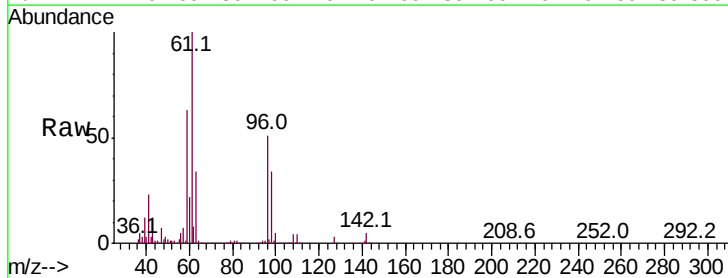
MMDadoda
5/10/2021 3:34:39 PM

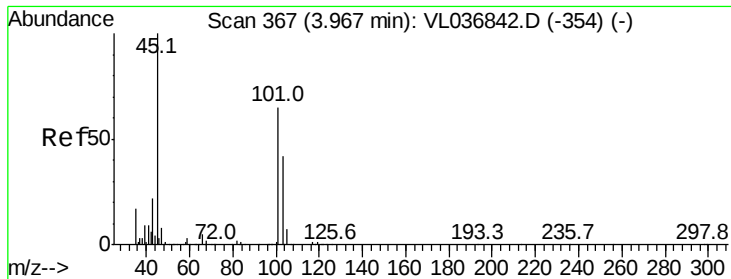


#18

1,1-Dichloroethene
Concen: 9.706 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	197.2	162.2	243.2
98	66.7	51.8	77.6





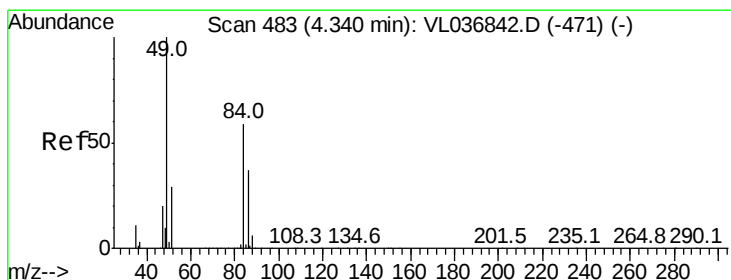
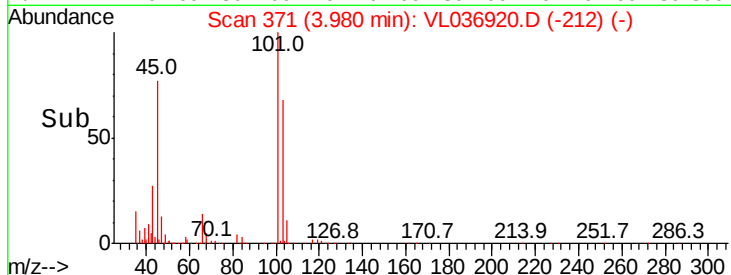
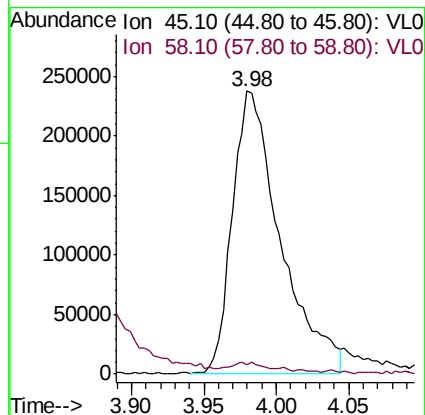
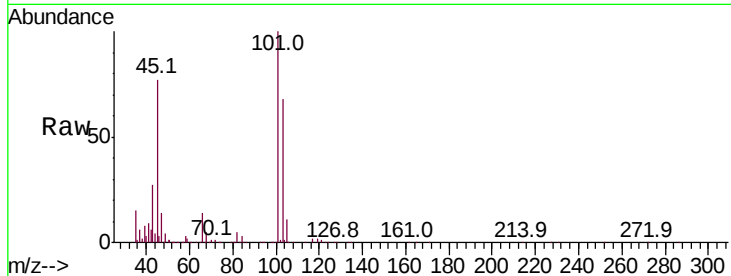
#19
Isopropyl Alcohol
Concen: 8.617 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion: 45 Resp: 545696
Ion Ratio Lower Upper
45 100
58 4.0 2.8 4.2

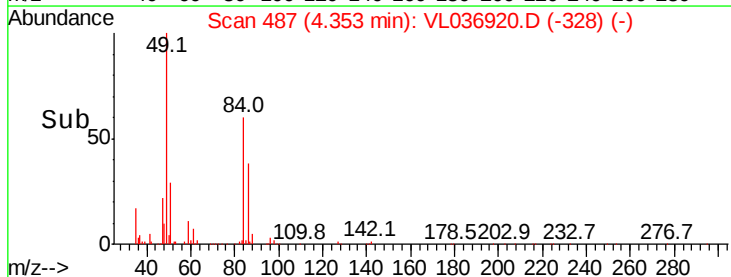
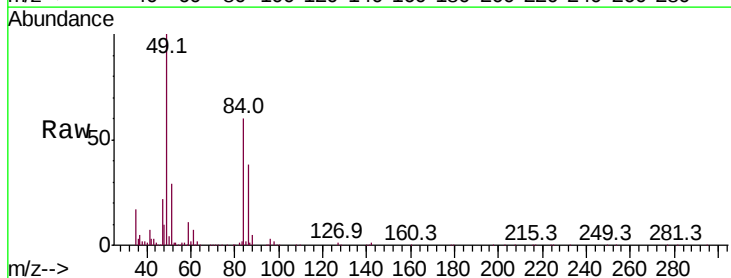
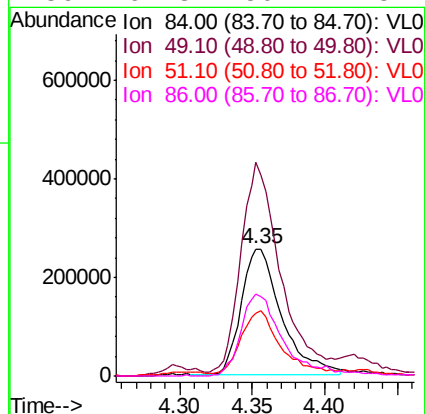
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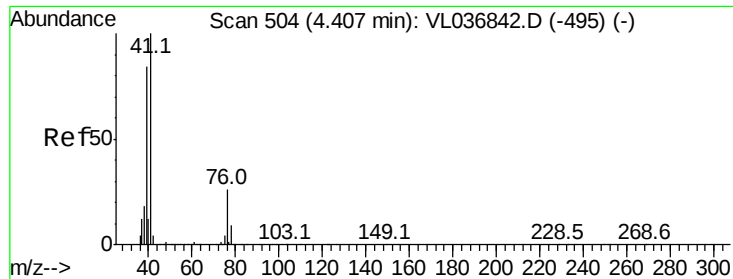
MMDadoda
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#20
Methylene Chloride
Concen: 8.100 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Tgt Ion: 84 Resp: 495097
Ion Ratio Lower Upper
84 100
49 164.3 135.4 203.0
51 46.1 39.3 58.9
86 64.3 50.2 75.2





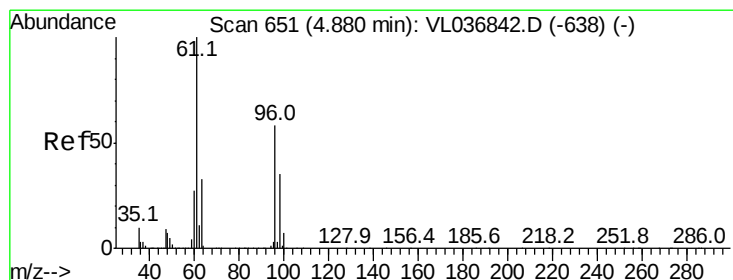
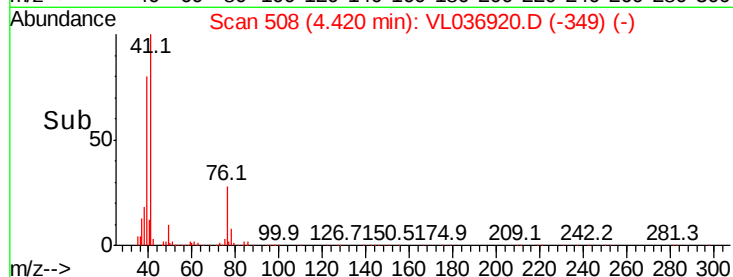
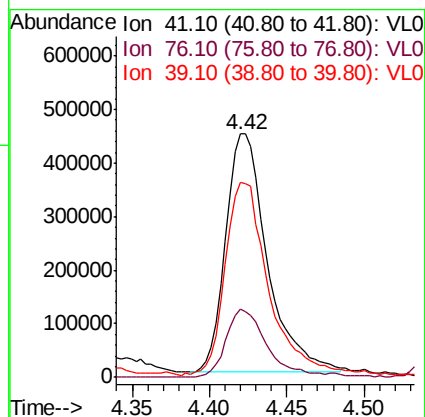
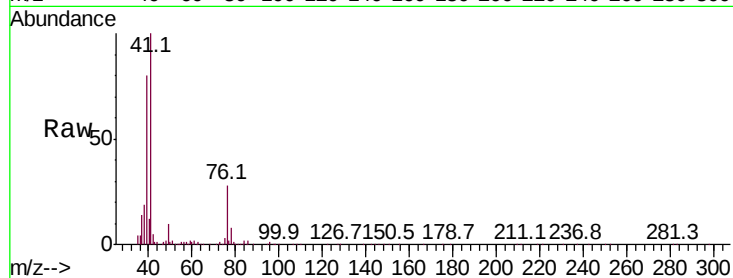
#21
Allvl Chloride
Concen: 8.758 ppbv
RT: 4.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.9	22.4	33.6
39	86.3	68.4	102.6

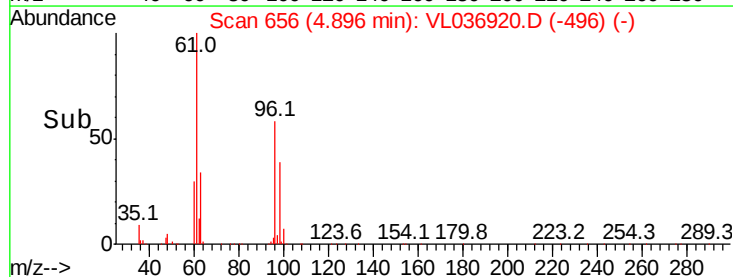
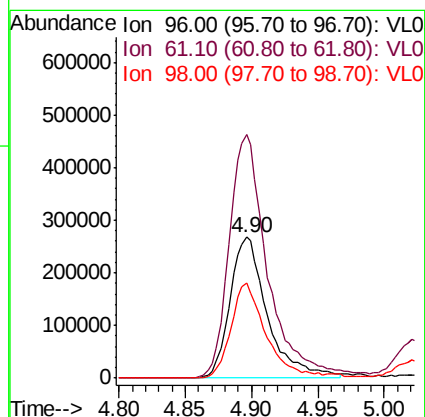
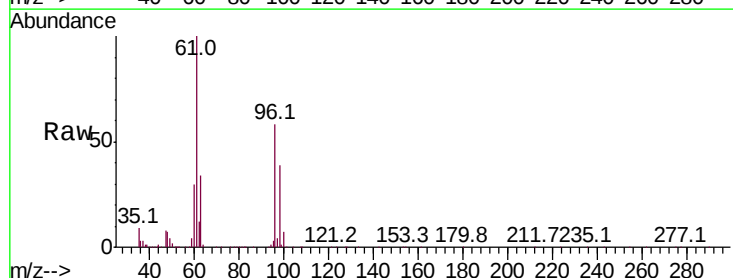
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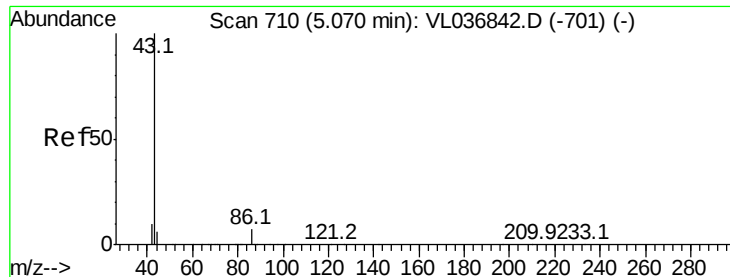
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 9.445 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.02 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.7	138.6	207.8
98	67.5	48.1	72.1





#23

Vinyl Acetate

Concen: 11.647 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 43 Resp: 2024943

Ion Ratio Lower Upper

43 100

86 7.2 5.3 7.9

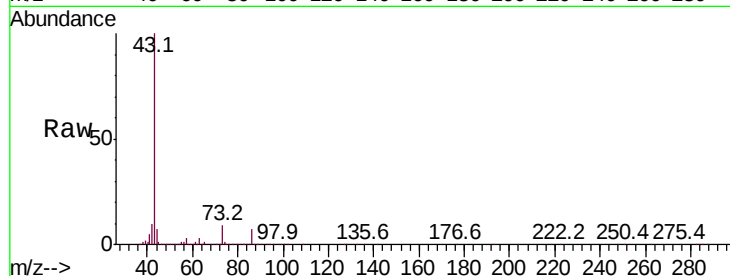
42 10.1 8.7 13.1

44 6.1 3.9 5.9#

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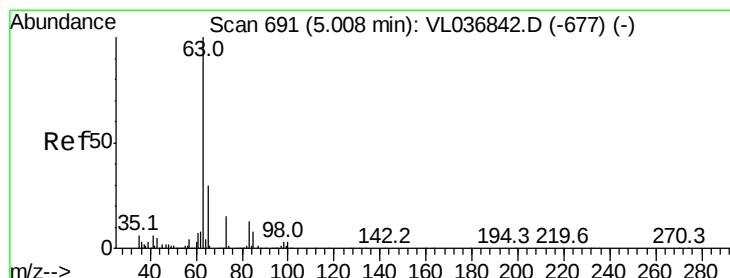
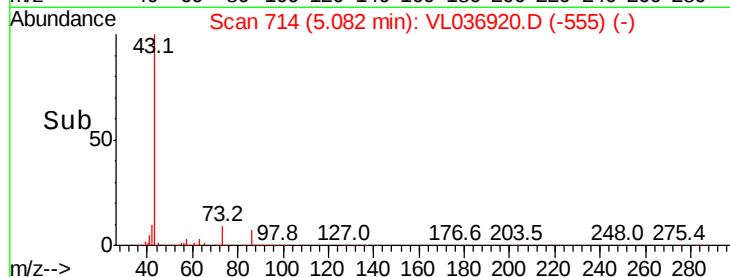
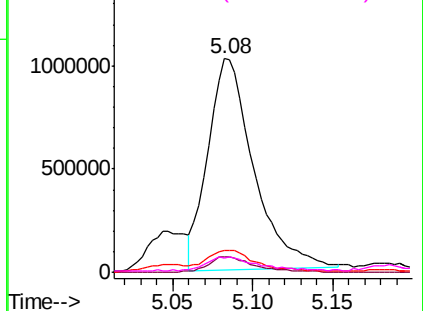


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 12.183 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

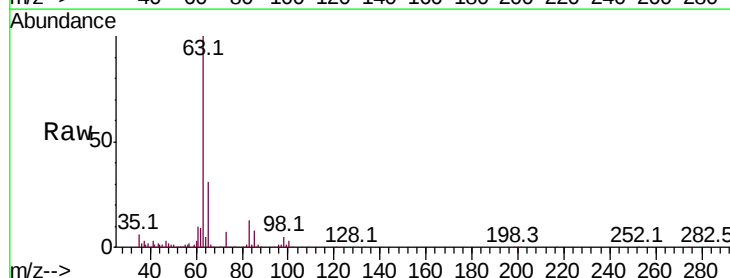
Tgt Ion: 63 Resp: 1503619

Ion Ratio Lower Upper

63 100

98 4.4 1.7 5.1

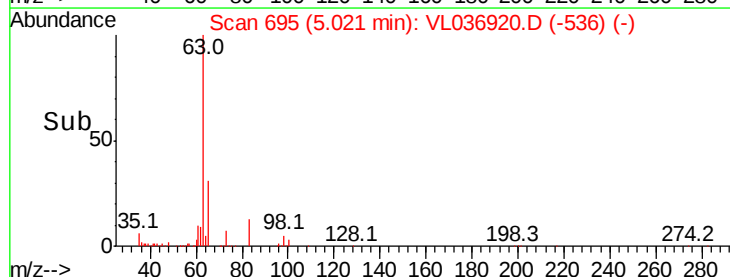
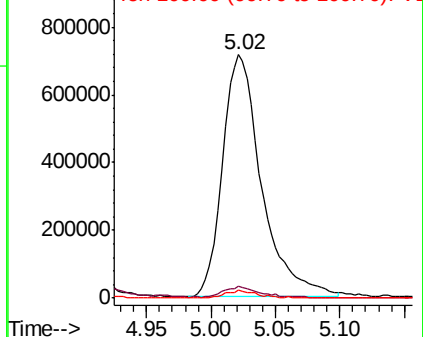
100 3.1 1.3 3.8

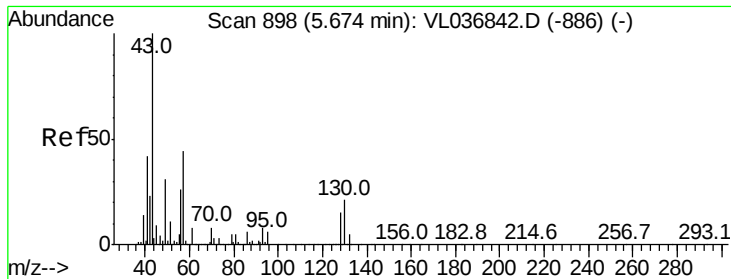


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





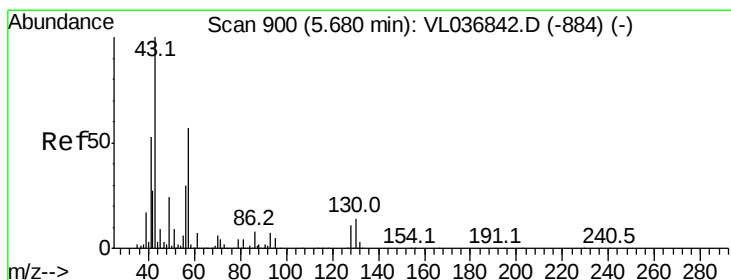
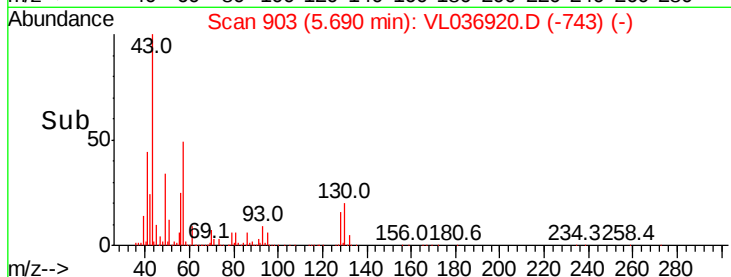
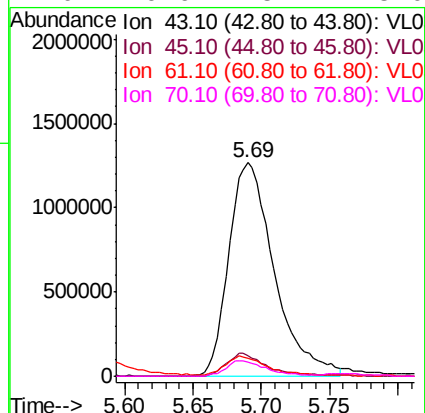
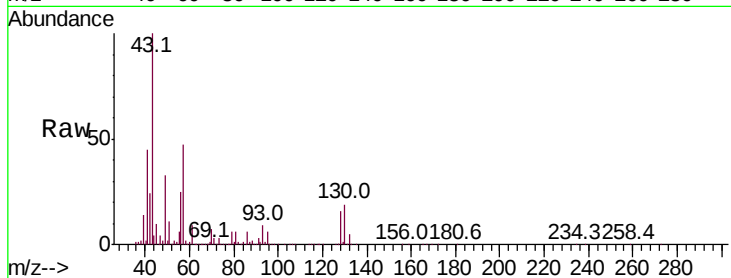
#25
Ethyl Acetate
Concen: 9.367 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.8
61	9.5	7.4	11.0
70	6.6	5.4	8.0

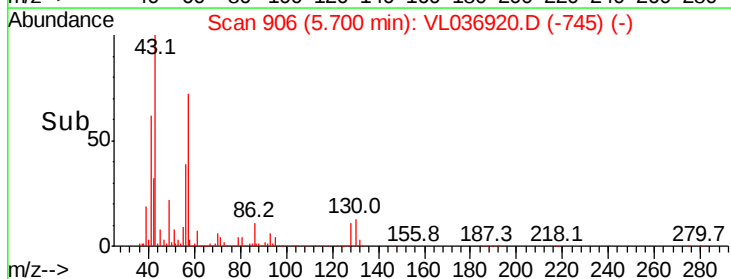
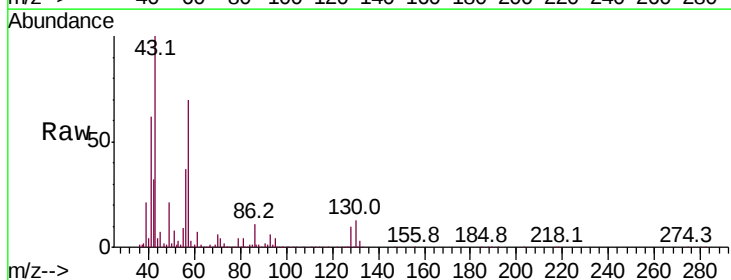
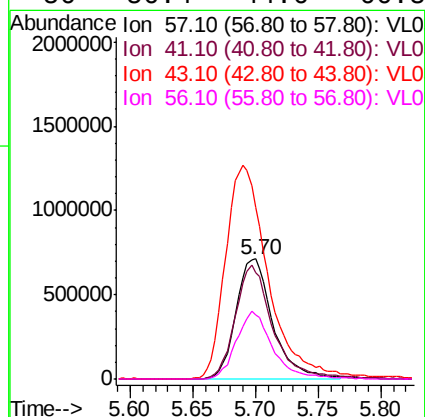
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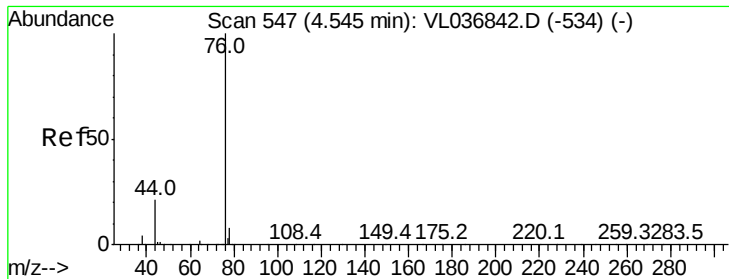
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#26
Hexane
Concen: 9.929 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.02 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Tgt Ion	Ratio	Lower	Upper
57	100		
41	97.2	77.7	116.5
43	208.0	180.5	270.7
56	56.4	44.6	66.8





#27

Carbon Disulfide

Concen: 10.782 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

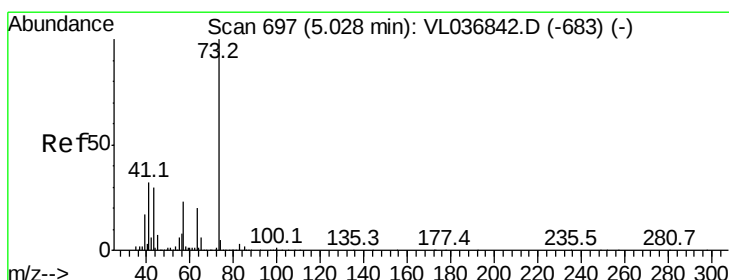
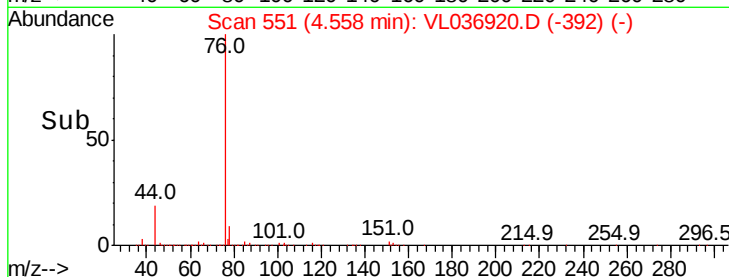
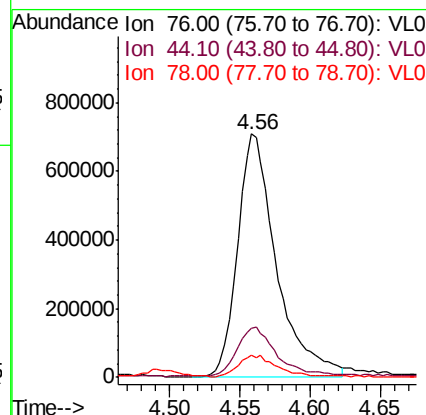
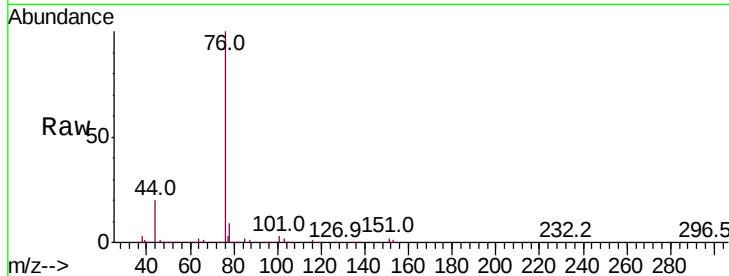
Instrument :
MSVOA_L

ClientSampleId :
VL0507ABS01

Tot Ion	Ratio	Lower	Upper
76	100		
44	21.0	16.9	25.3
78	9.9	7.9	11.9

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 11.439 ppbv

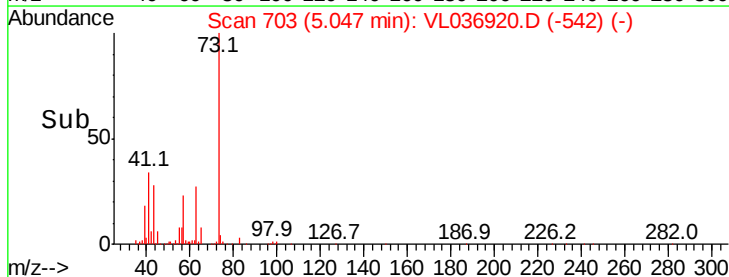
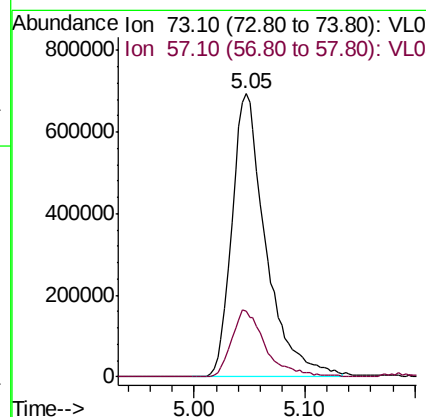
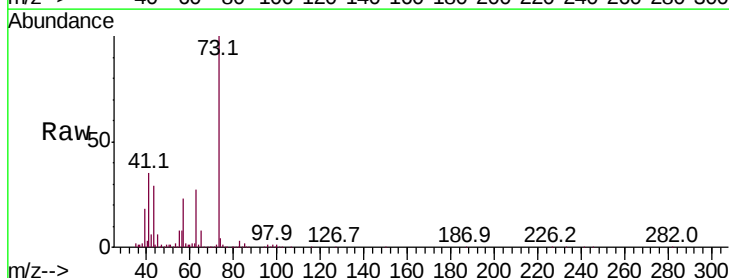
RT: 5.05 min Scan# 703

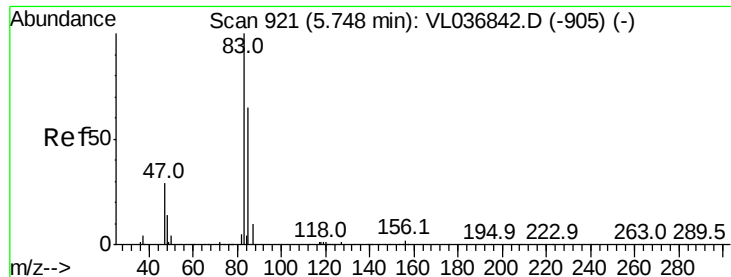
Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.0	28.6





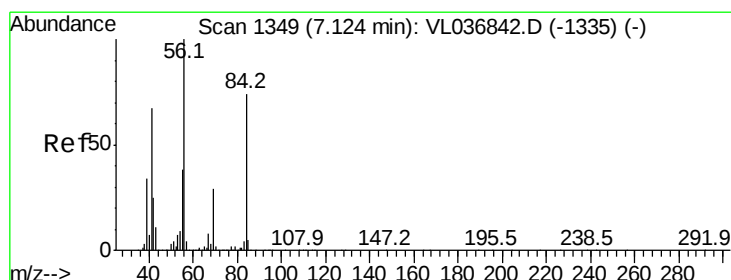
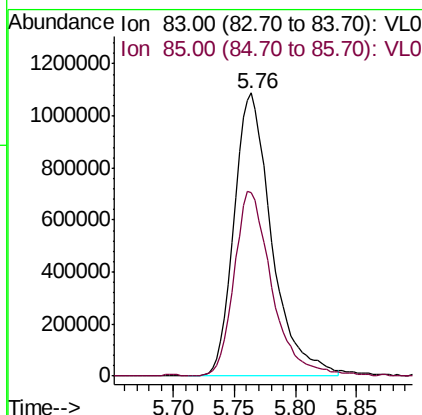
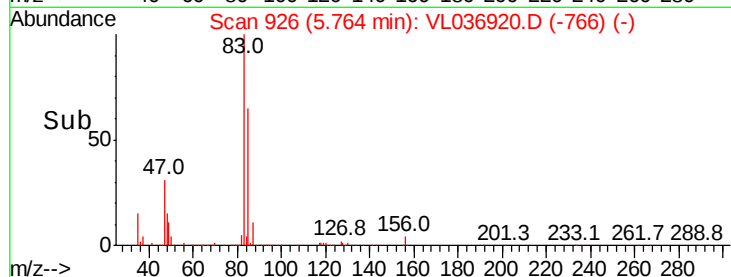
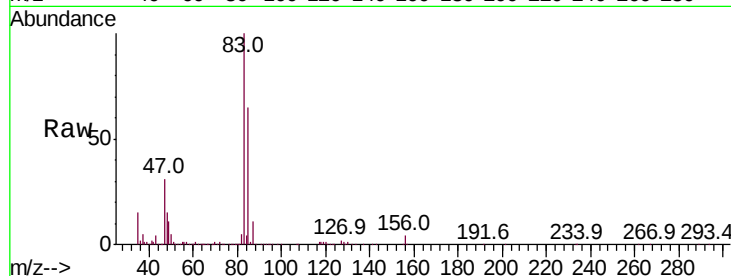
#29
Chloroform
Concen: 10.243 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.02 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion: 83 Resp: 2332486
Ion Ratio Lower Upper
83 100
85 64.6 52.2 78.4

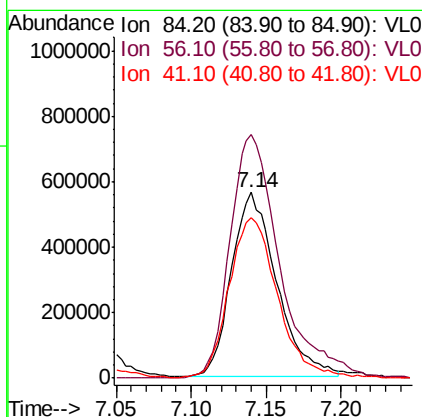
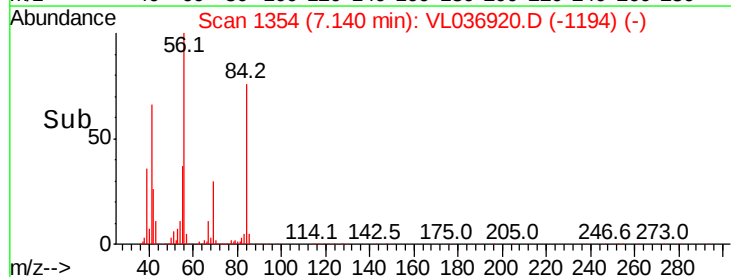
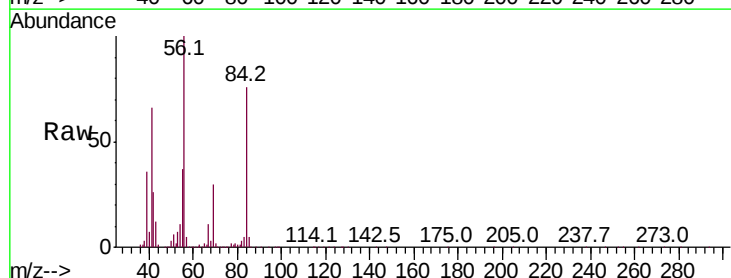
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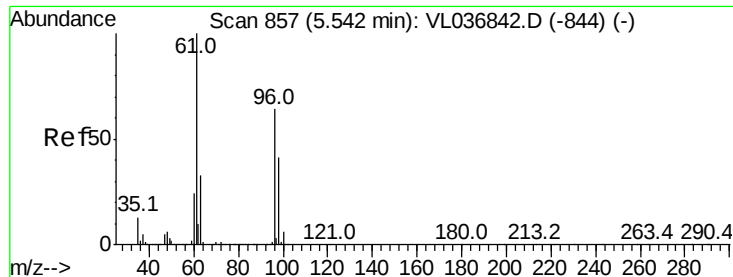
MMDadoda
5/10/2021 3:34:39 PM



#30
Cyclohexane
Concen: 10.241 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.02 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Tgt Ion: 84 Resp: 1186312
Ion Ratio Lower Upper
84 100
56 147.0 115.8 173.6
41 94.0 74.6 111.8





#31

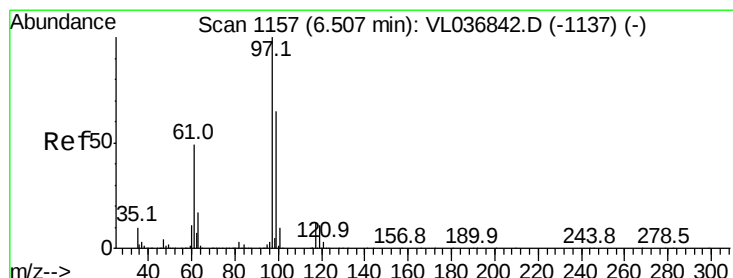
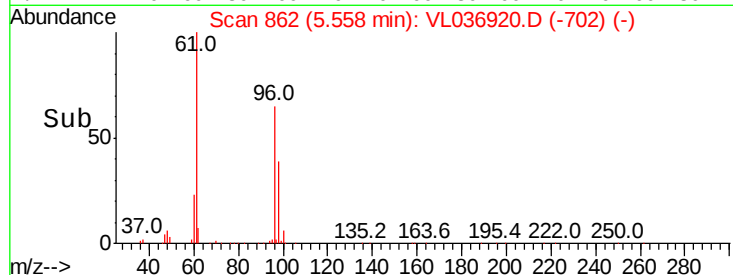
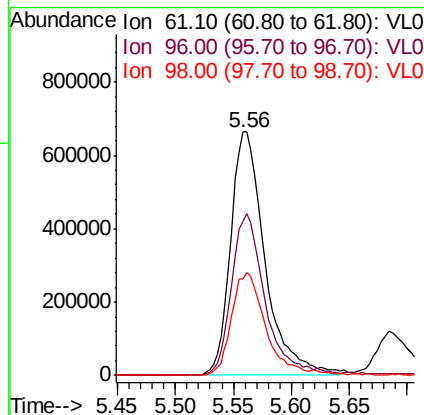
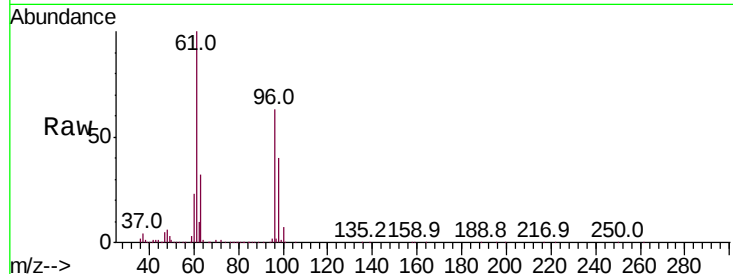
cis-1,2-Dichloroethene
Concen: 10.377 ppbv
RT: 5.56 min Scan# 862
Delta R.T. 0.02 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.2	51.0	76.6
98	39.6	32.7	49.1

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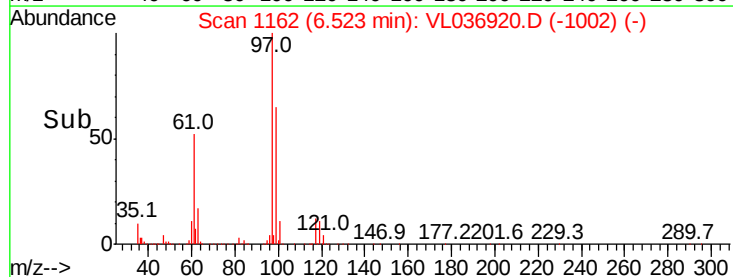
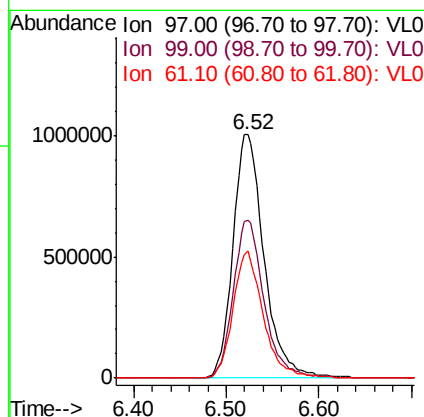
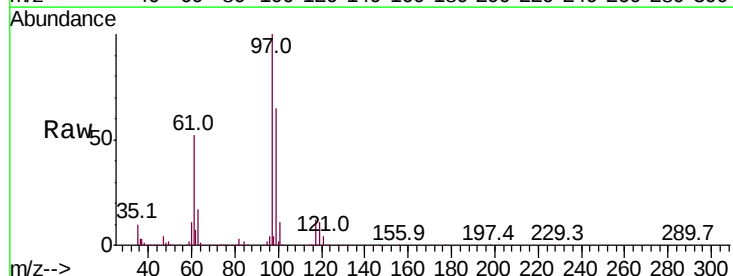
MMDadoda
5/10/2021 3:34:39 PM

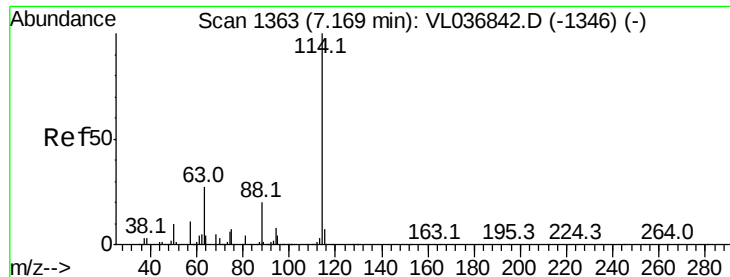


#32

1,1,1-Trichloroethane
Concen: 10.097 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. 0.02 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.6
61	51.0	40.8	61.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion:114 Resp: 3386706

Ion Ratio Lower Upper

114 100

63 27.2 21.9 32.9

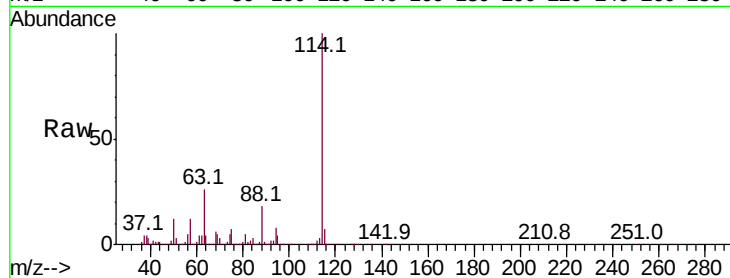
88 18.3 15.1 22.7

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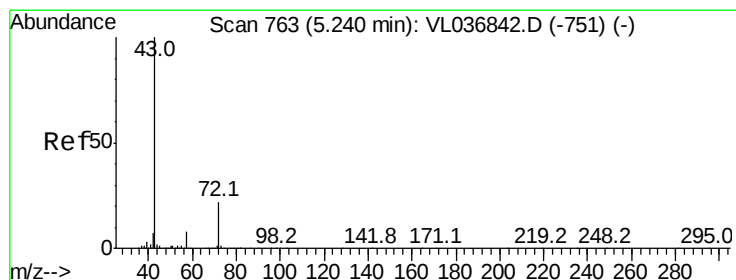
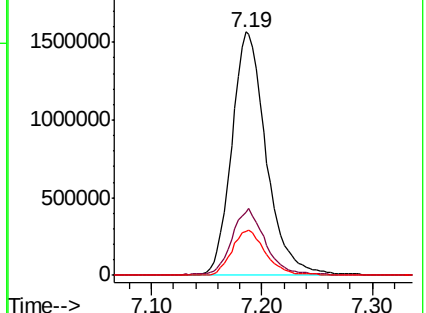
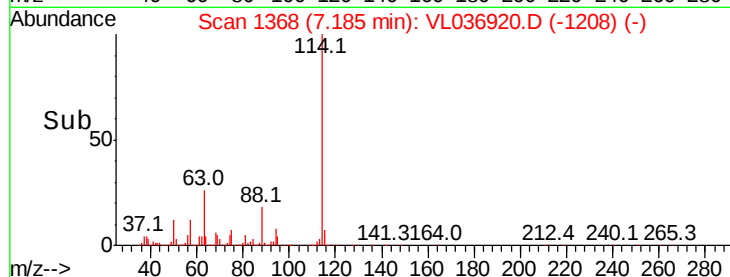
5/10/2021 3:34:39 PM



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.080 ppbv

RT: 5.26 min Scan# 768

Delta R.T. 0.02 min

Lab File: VL036920.D

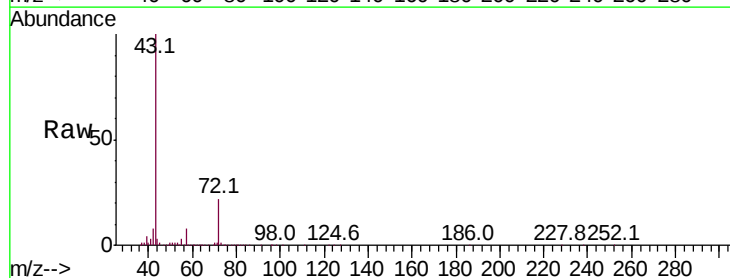
Acq: 7 May 2021 15:32

Tgt Ion: 43 Resp: 1347099

Ion Ratio Lower Upper

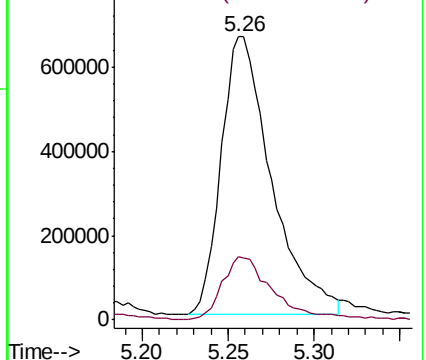
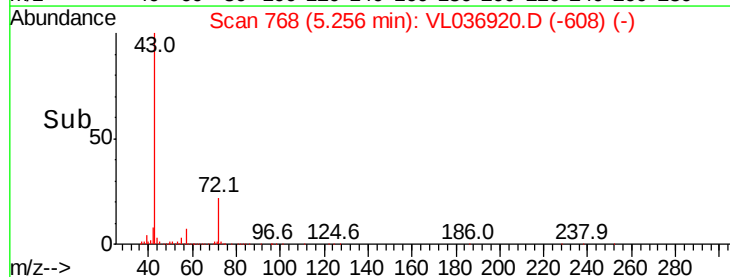
43 100

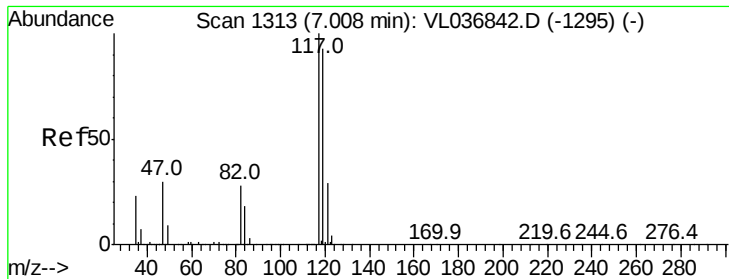
72 23.4 17.6 26.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.784 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion:117 Resp: 2478266

Ion Ratio Lower Upper

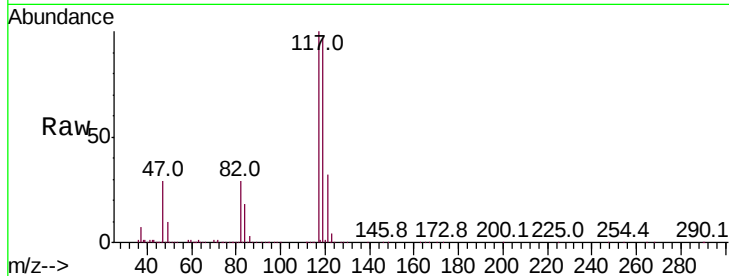
117 100

119 96.5 74.6 111.8

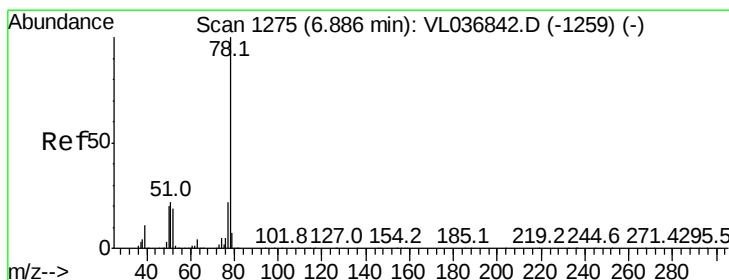
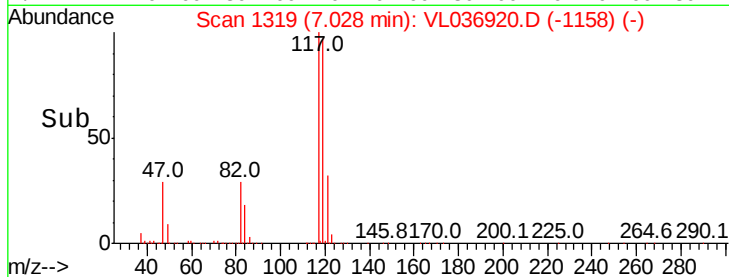
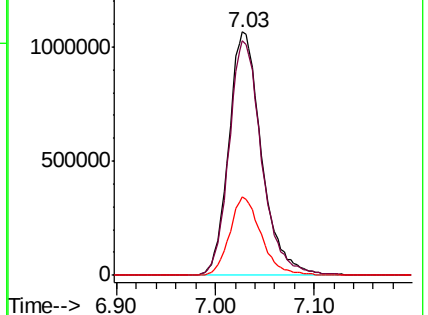
121 32.2 23.3 34.9

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.486 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

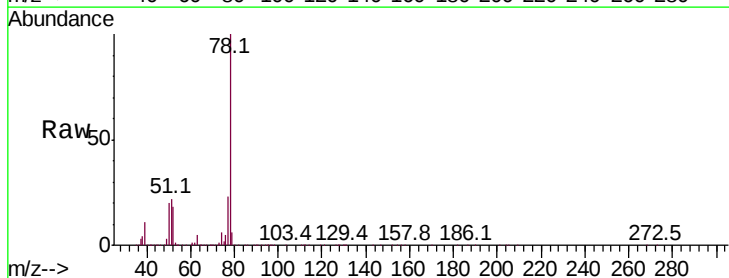
Tgt Ion: 78 Resp: 2992104

Ion Ratio Lower Upper

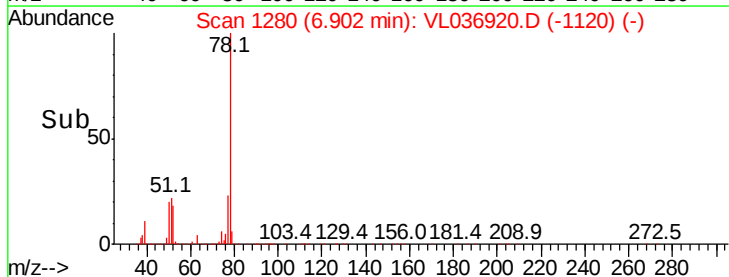
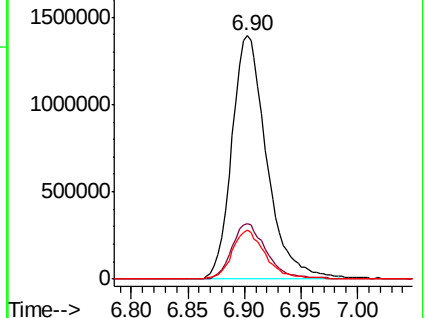
78 100

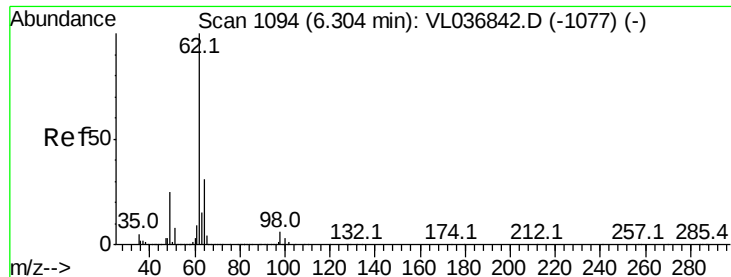
77 23.0 17.6 26.4

50 20.3 16.3 24.5



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.425 ppbv

RT: 6.32 min Scan# 1098

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :
MSVOA_L

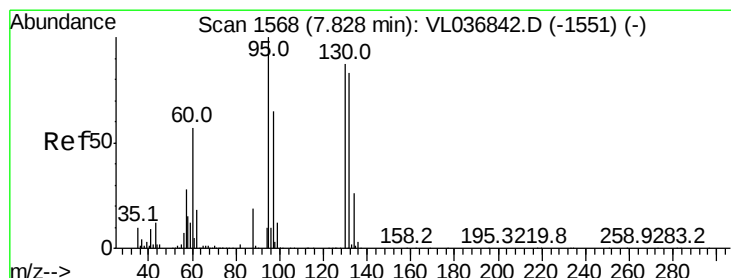
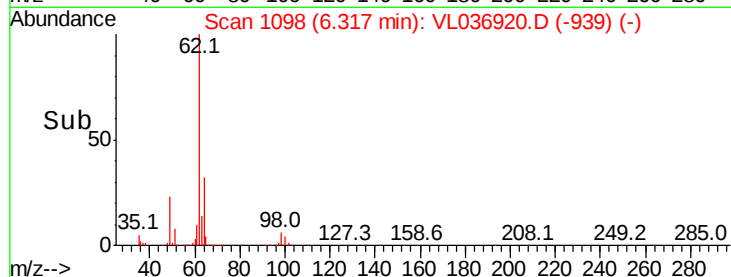
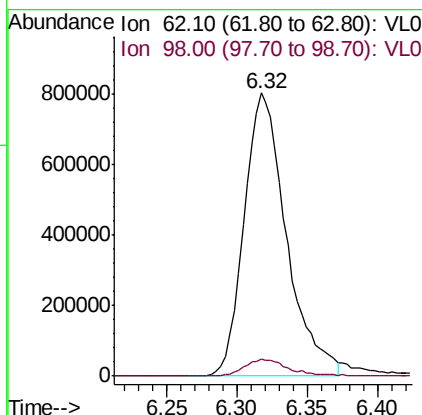
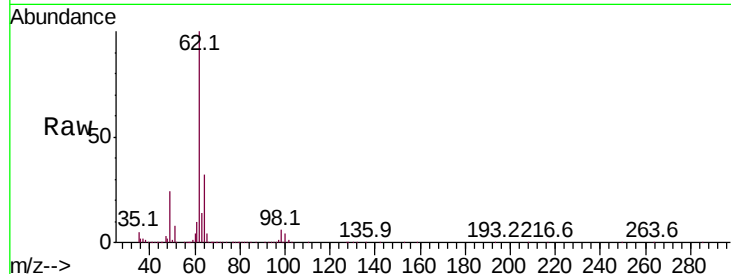
ClientSampleId :
VL0507ABS01

Tot Ion: 62 Resp: 1684450

Ion	Ratio	Lower	Upper
62	100		
98	6.3	4.8	7.2

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#38

Trichloroethene

Concen: 10.895 ppbv

RT: 7.85 min Scan# 1574

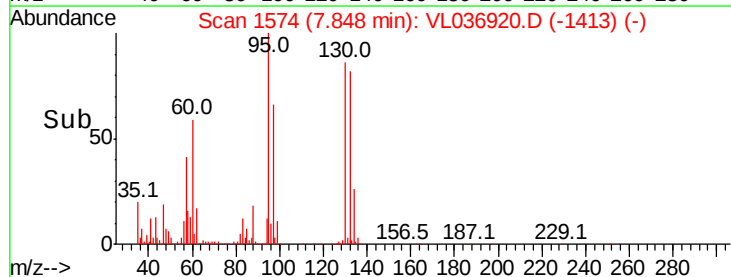
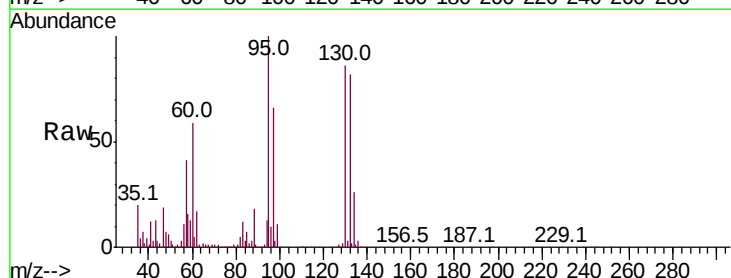
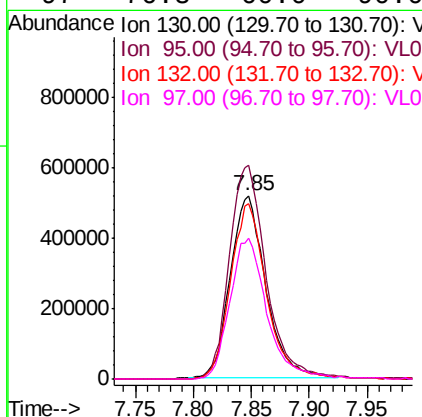
Delta R.T. 0.02 min

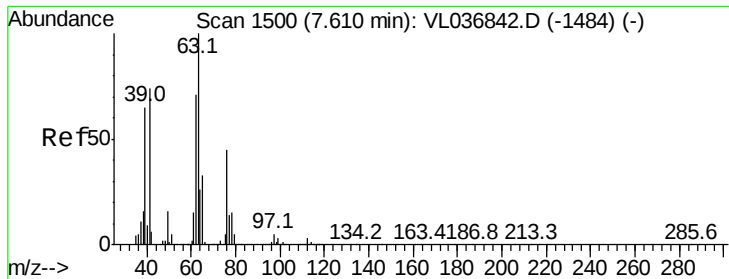
Lab File: VL036920.D

Acq: 7 May 2021 15:32

Tgt Ion: 130 Resp: 1106878

Ion	Ratio	Lower	Upper
130	100		
95	116.6	92.3	138.5
132	95.7	76.8	115.2
97	76.8	60.0	90.0





#39

1,2-Dichloropropane

Concen: 10.371 ppbv

RT: 7.63 min Scan# 1505

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 63 Resp: 1185576

Ion Ratio Lower Upper

63 100

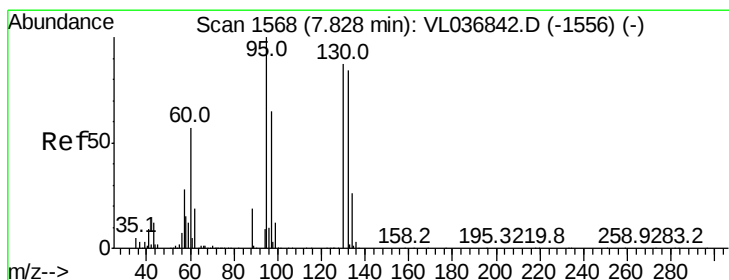
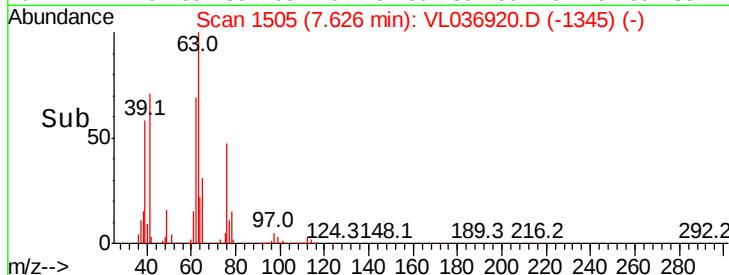
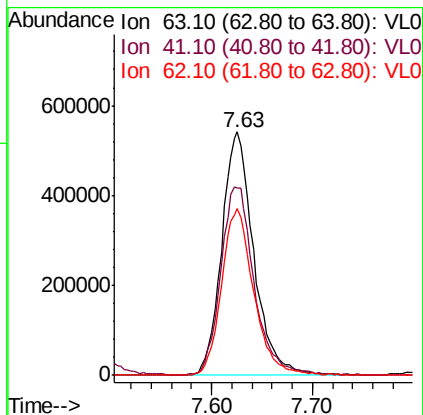
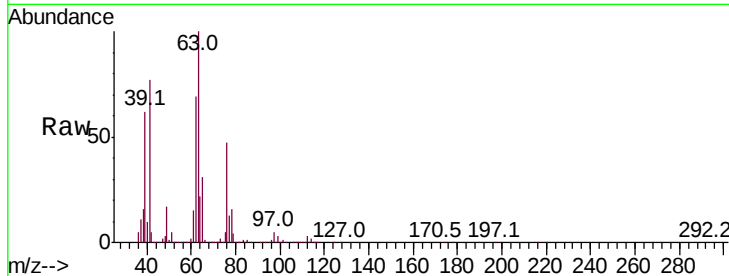
41 76.5 59.1 88.7

62 68.4 56.9 85.3

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#40

1,4-Dioxane

Concen: 9.693 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Tgt Ion: 88 Resp: 267587

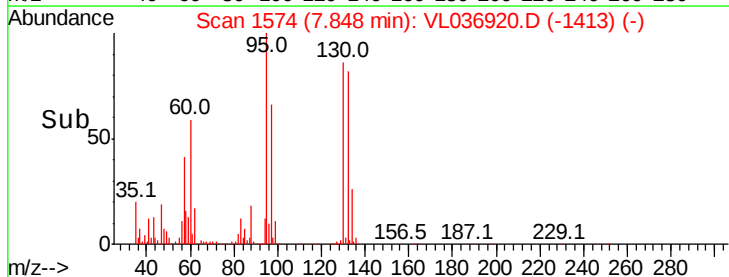
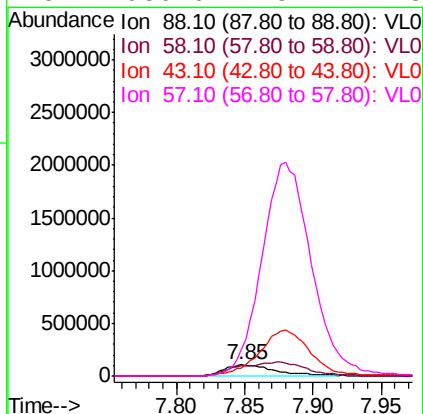
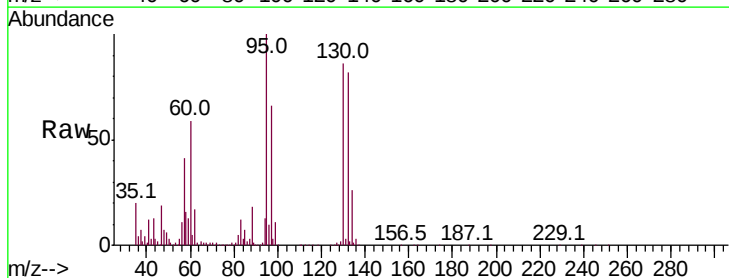
Ion Ratio Lower Upper

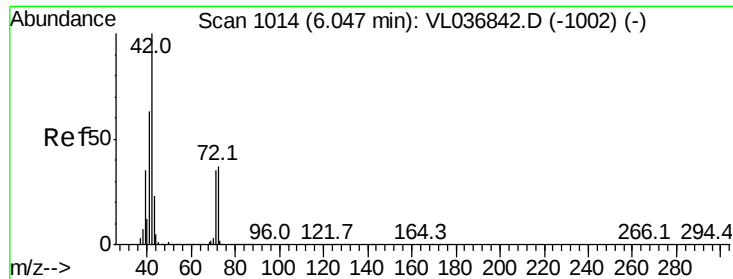
88 100

58 168.7 132.6 198.8

43 428.9 331.5 497.3

57 1930.0 1457.4 2186.0





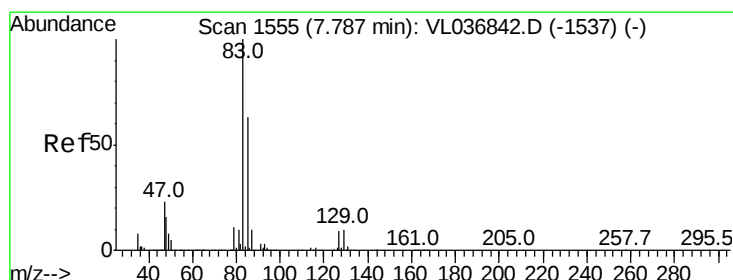
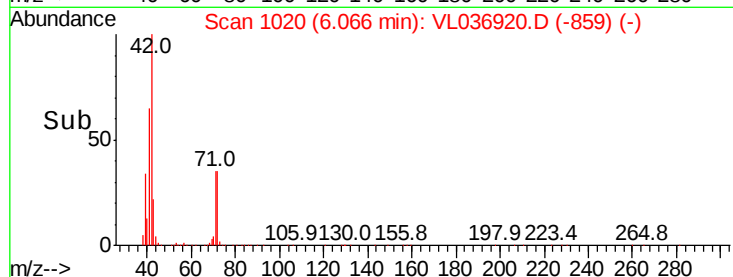
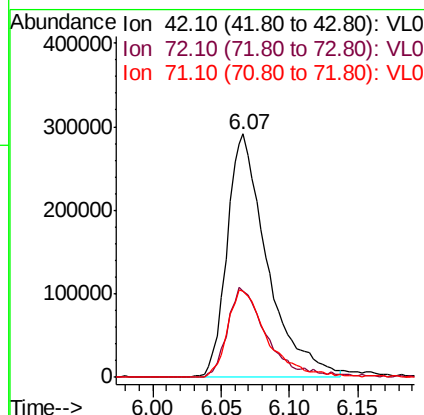
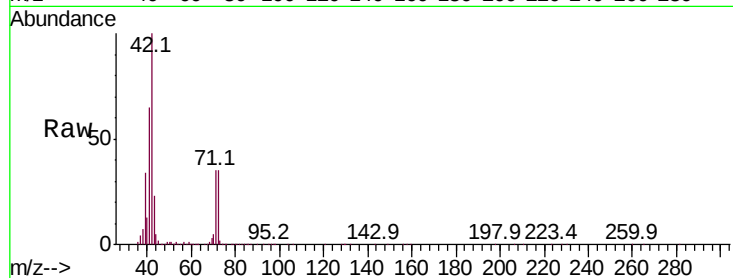
#41
Tetrahydrofuran
Concen: 9.153 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.02 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	37.1	29.7	44.5	
71	36.5	29.0	43.6	

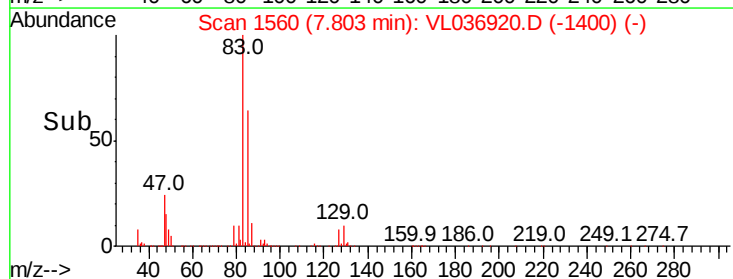
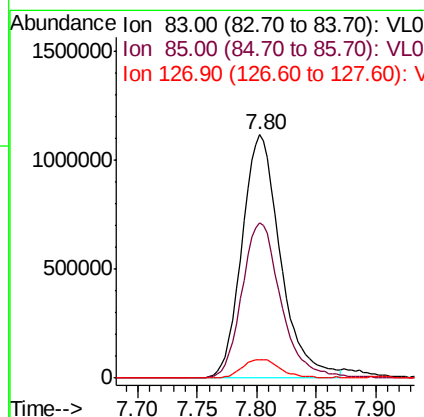
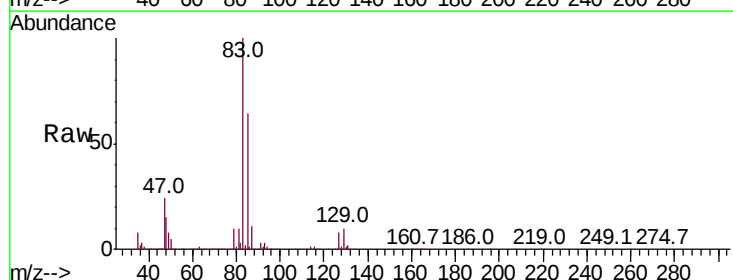
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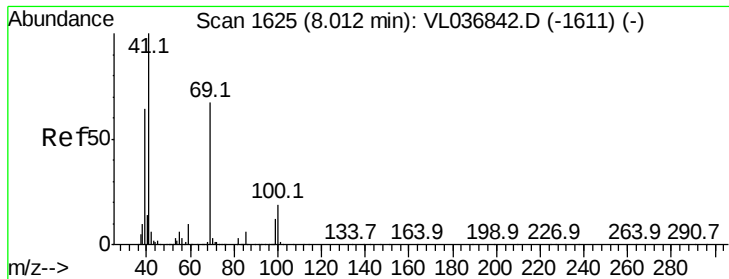
MMDadoda
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#42
Bromodichloromethane
Concen: 11.148 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. 0.02 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.5	50.4	75.6	
127	7.8	6.9	10.3	





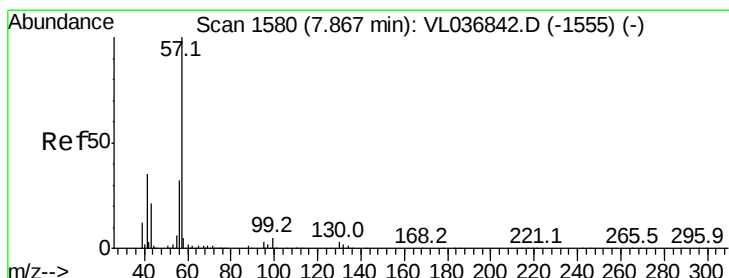
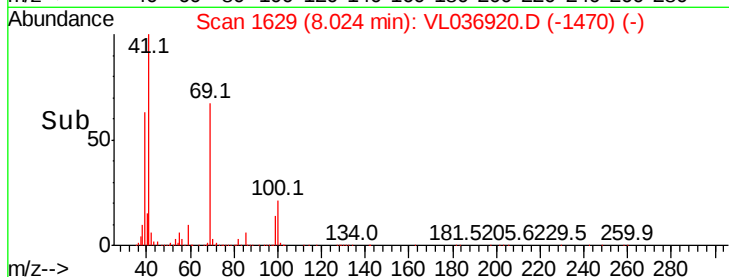
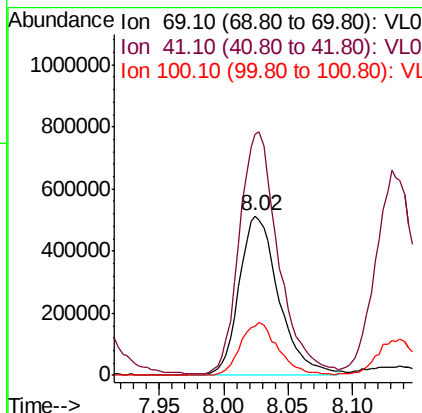
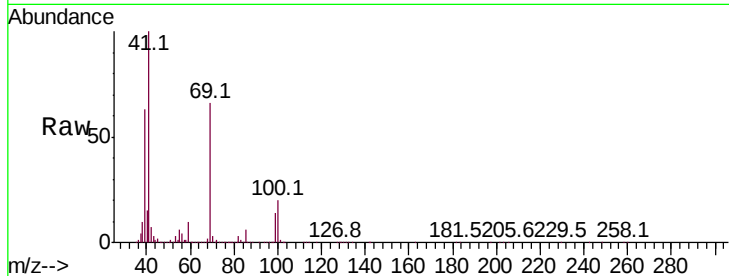
#43
Methvl Methacrilate
Concen: 11.810 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	150.4	124.2	186.4
100	31.4	25.5	38.3

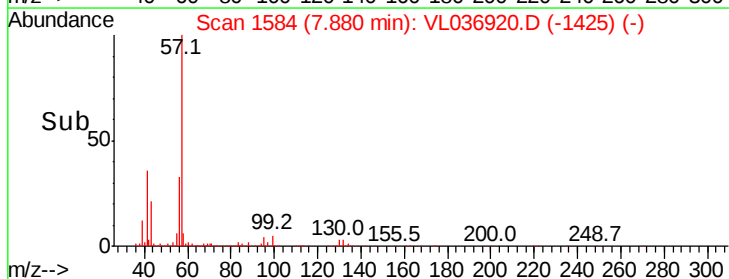
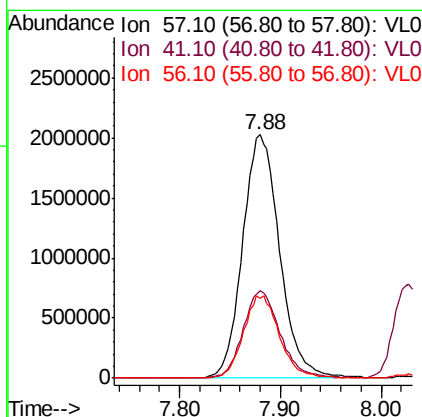
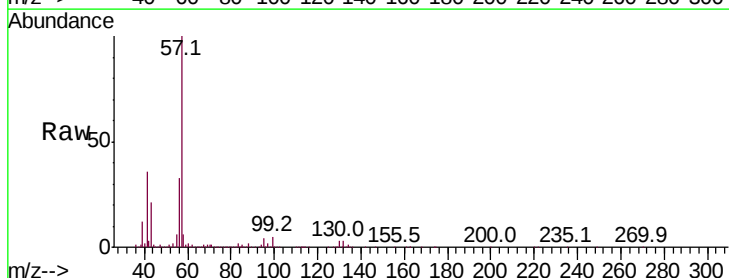
Manual Integrations
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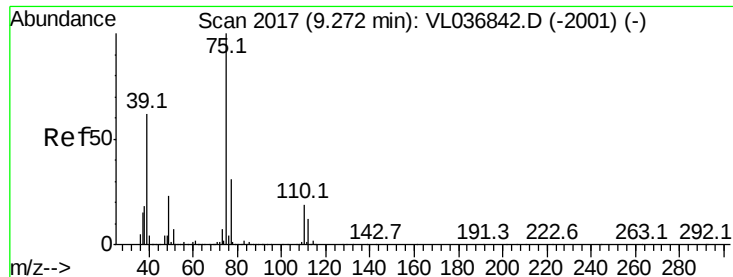
MMDadoda
5/10/2021 3:34:39 PM



#44
2,2,4-Trimethylpentane
Concen: 10.512 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Tgt Ion	Ratio	Lower	Upper
57	100		
41	36.0	28.2	42.4
56	33.1	25.9	38.9





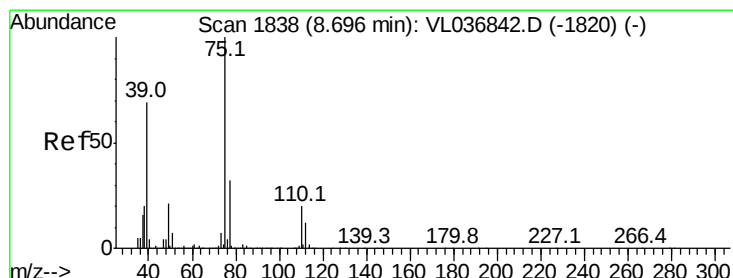
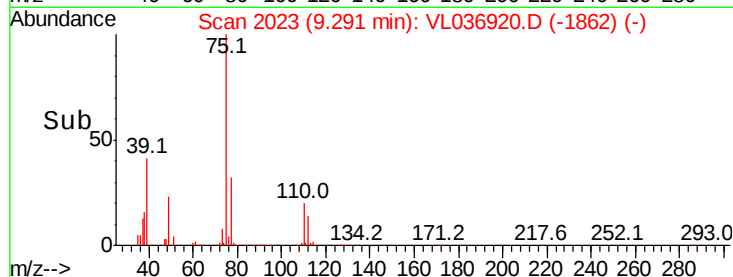
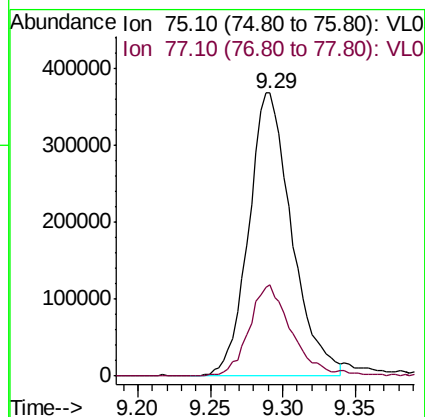
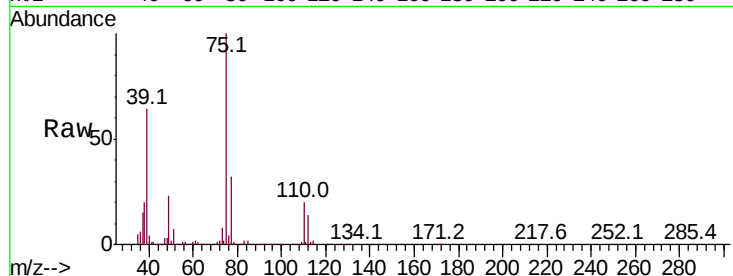
#45
t-1,3-Dichloropropene
Concen: 7.572 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. 0.02 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.6	37.0

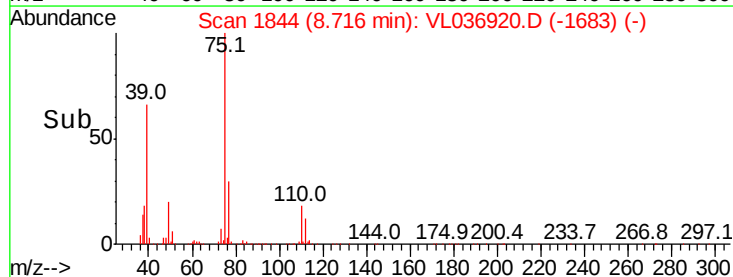
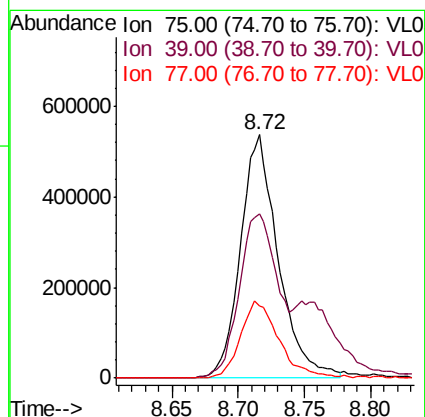
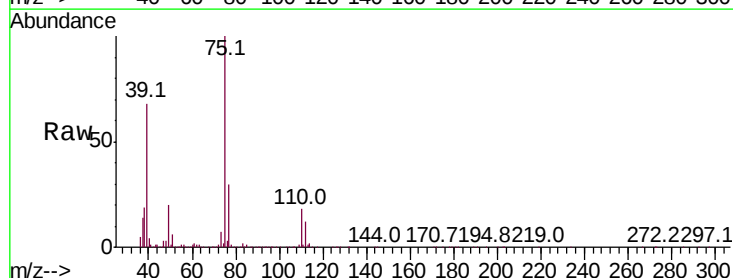
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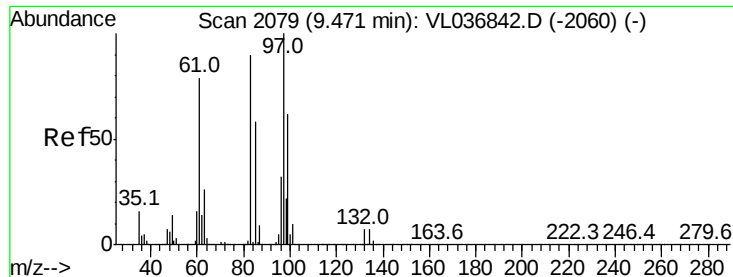
MMDadoda
5/10/2021 3:34:39 PM



#46
cis-1,3-Dichloropropene
Concen: 8.237 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. 0.02 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Tgt Ion	Ratio	Lower	Upper
75	100		
39	67.4	55.4	83.0
77	29.5	25.2	37.8





#47

1,1,2-Trichloroethane

Concen: 10.613 ppbv

RT: 9.48 min Scan# 2083

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 97 Resp: 1256078

Ion Ratio Lower Upper

97 100

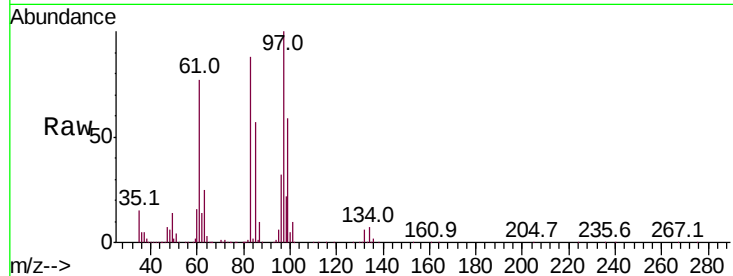
83 87.9 71.9 107.9

85 56.6 46.5 69.7

99 58.7 49.8 74.8

Manual Integrations
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MMDadoda
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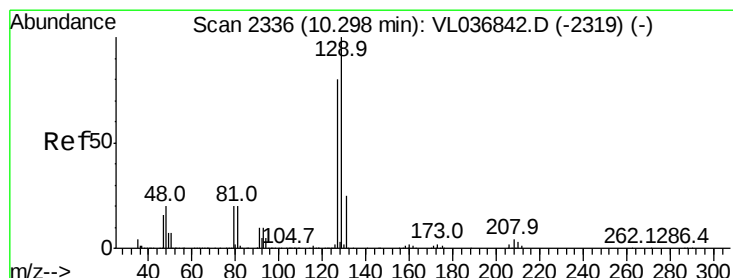
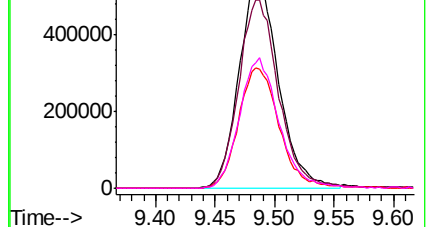
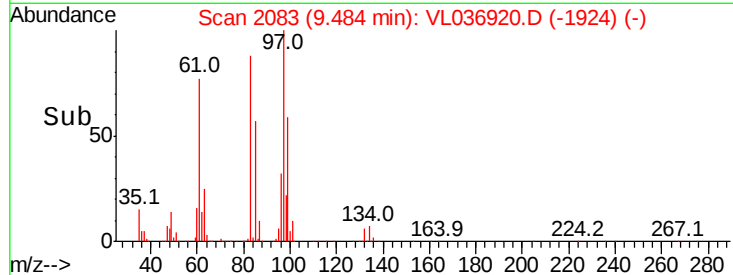


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.694 ppbv

RT: 10.31 min Scan# 2341

Delta R.T. 0.02 min

Lab File: VL036920.D

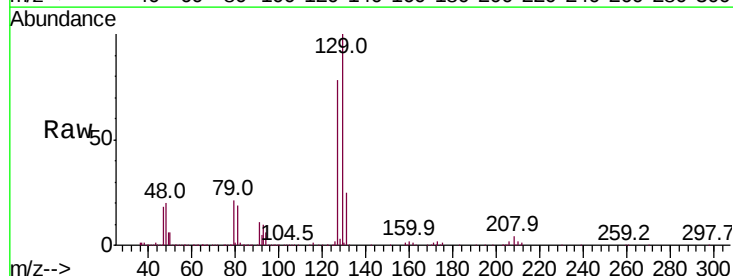
Acq: 7 May 2021 15:32

Tgt Ion:129 Resp: 2050920

Ion Ratio Lower Upper

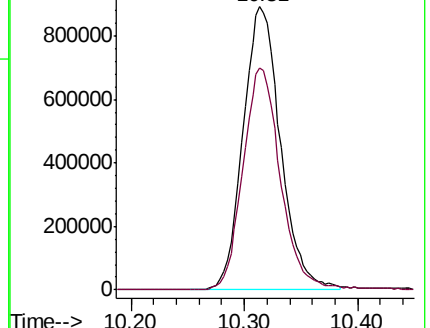
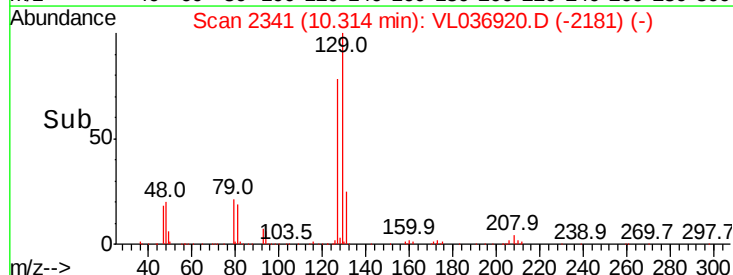
129 100

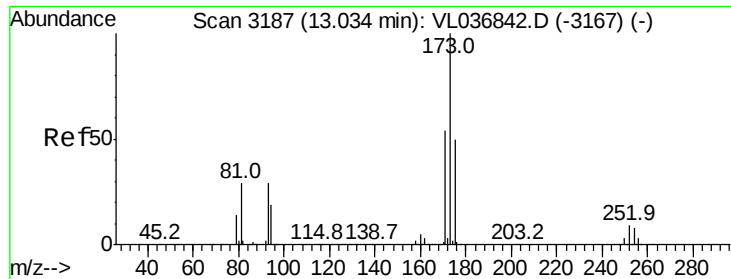
127 78.6 40.2 120.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





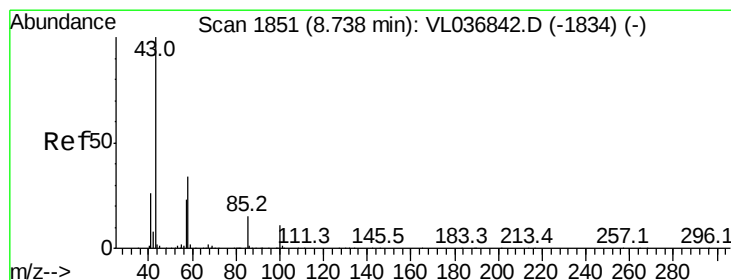
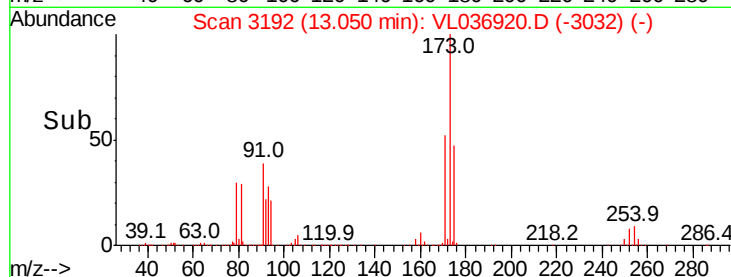
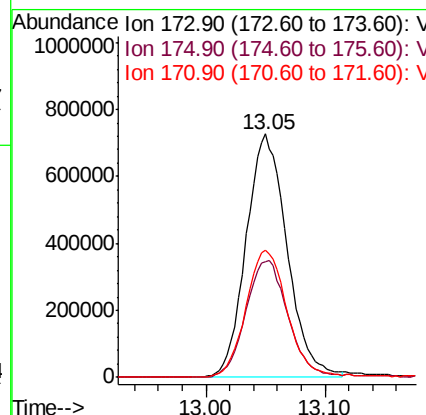
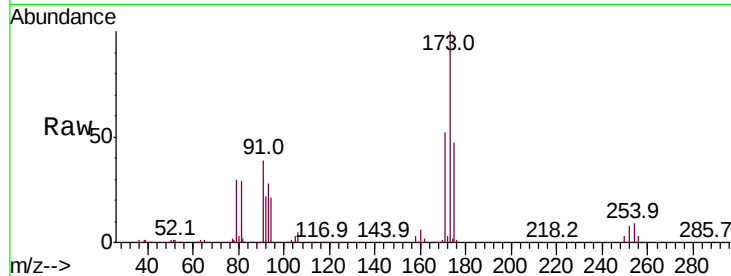
#49
Bromoform
Concen: 12.353 ppbv
RT: 13.05 min Scan# 3192
Delta R.T. 0.02 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion:173 Resp: 1729481
Ion Ratio Lower Upper
173 100
175 50.3 39.6 59.4
171 54.0 42.2 63.4

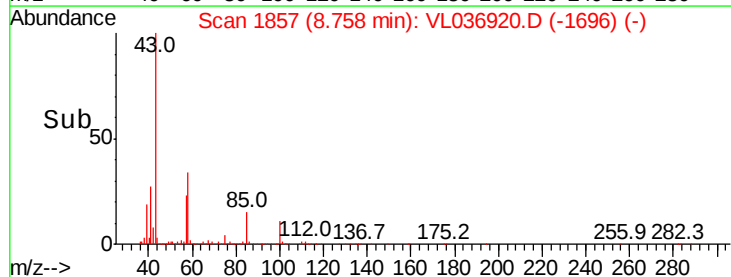
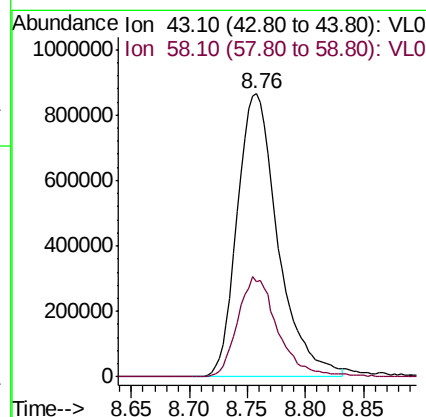
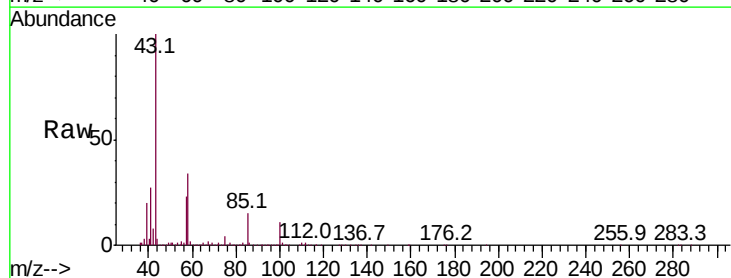
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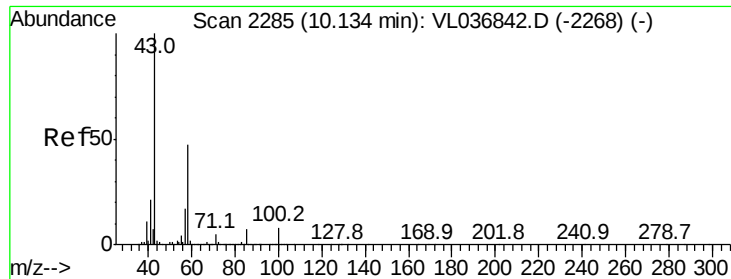
MMDadoda
5/10/2021 3:34:39 PM



#50
4-Methyl-2-Pentanone
Concen: 10.422 ppbv
RT: 8.76 min Scan# 1857
Delta R.T. 0.02 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Tgt Ion: 43 Resp: 2113292
Ion Ratio Lower Upper
43 100
58 35.2 27.8 41.8





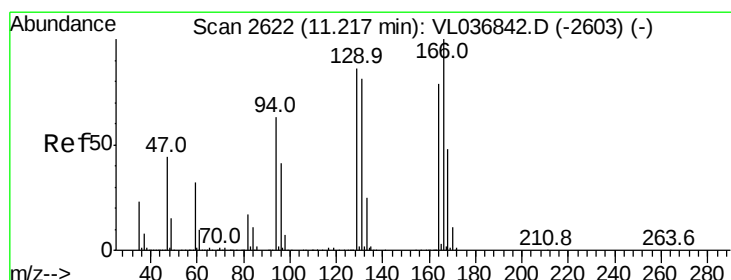
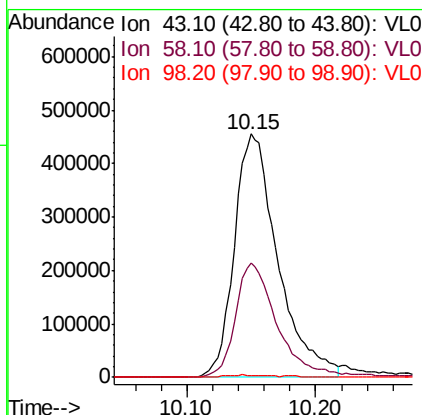
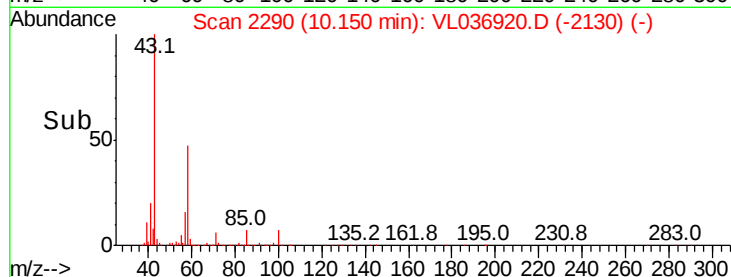
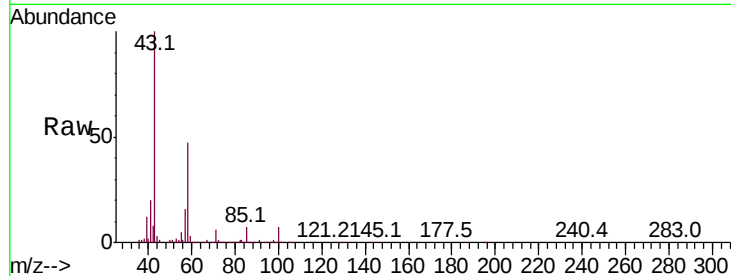
#51
2-Hexanone
Concen: 10.543 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. 0.02 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion: 43 Resp: 1066374
Ion Ratio Lower Upper
43 100
58 46.2 37.0 55.6
98 1.3 0.2 0.4#

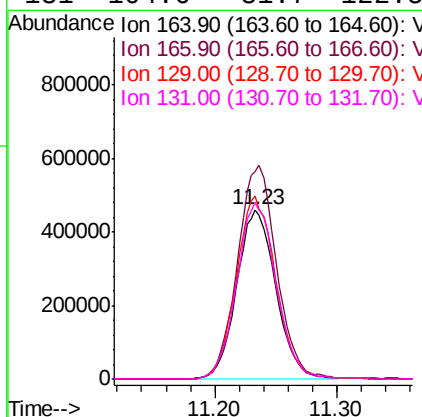
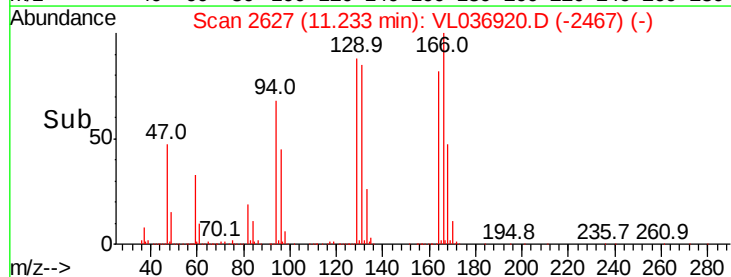
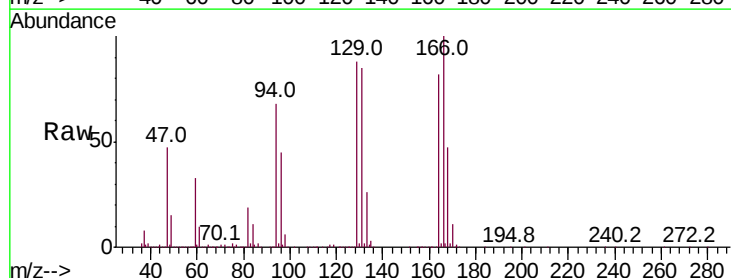
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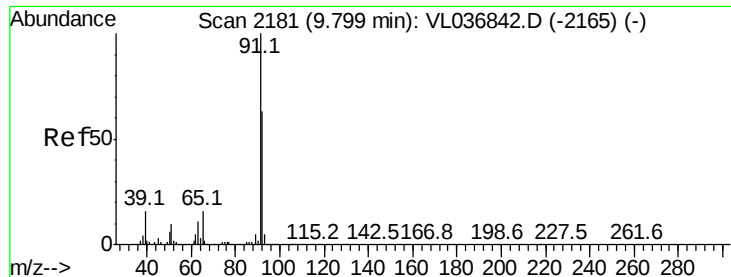
MMDadoda
5/10/2021 3:34:39 PM



#52
Tetrachloroethene
Concen: 10.447 ppbv
RT: 11.23 min Scan# 2627
Delta R.T. 0.02 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Tgt Ion: 164 Resp: 1015087
Ion Ratio Lower Upper
164 100
166 122.5 100.9 151.3
129 108.0 87.0 130.4
131 104.6 81.7 122.5





#53

Toluene

Concen: 11.291 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 91 Resp: 3371291

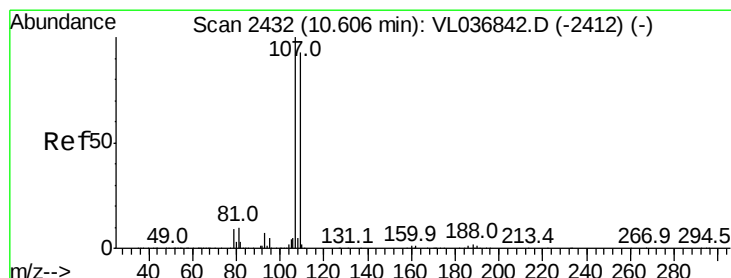
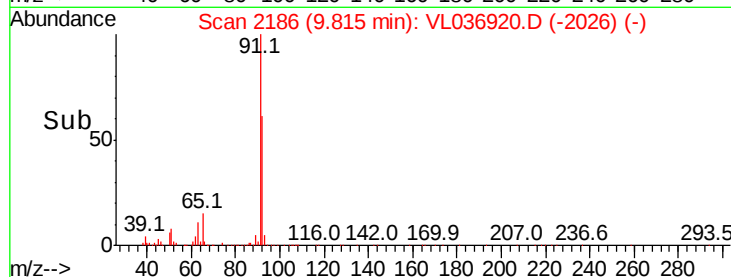
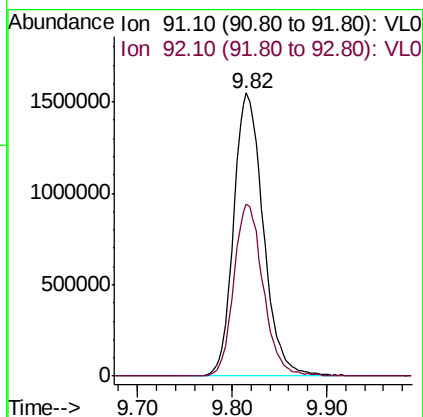
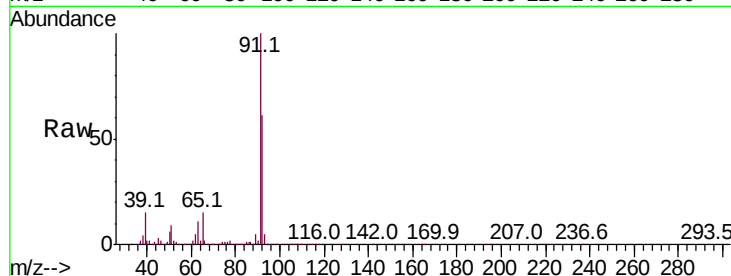
Ion Ratio Lower Upper

91 100

92 60.4 49.0 73.4

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5/10/2021 3:34:39 PM



#54

1,2-Dibromoethane

Concen: 10.519 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. 0.01 min

Lab File: VL036920.D

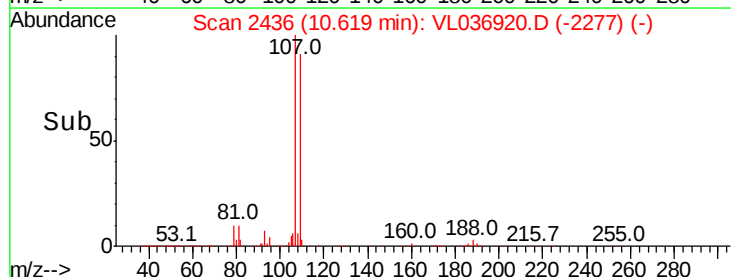
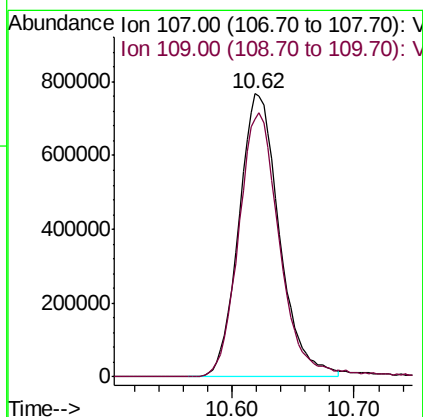
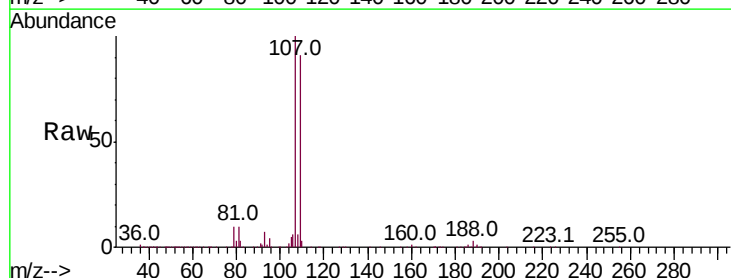
Acq: 7 May 2021 15:32

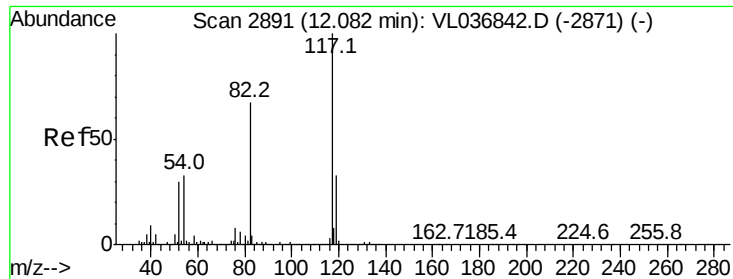
Tgt Ion: 107 Resp: 1757709

Ion Ratio Lower Upper

107 100

109 91.2 74.7 112.1





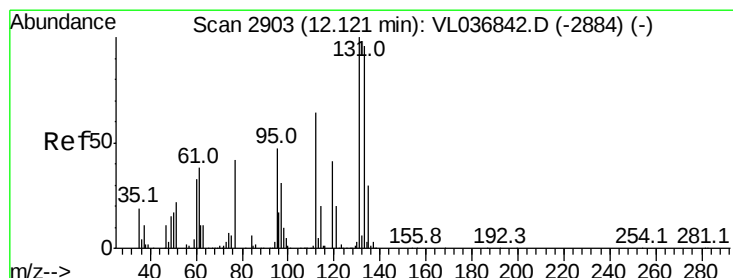
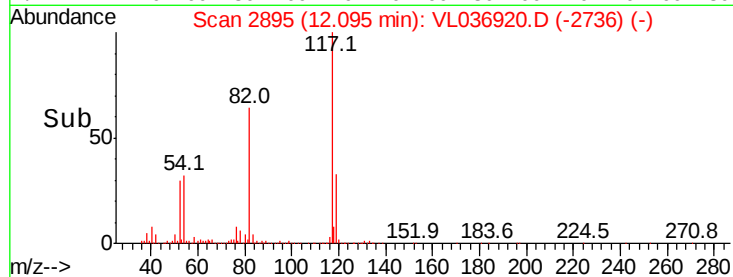
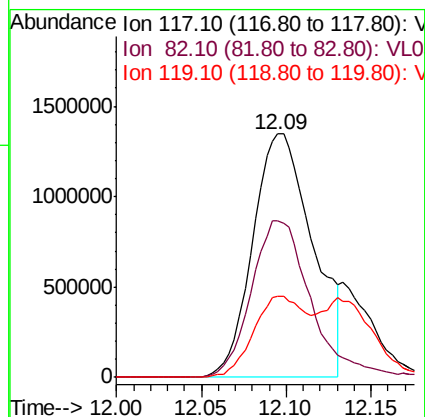
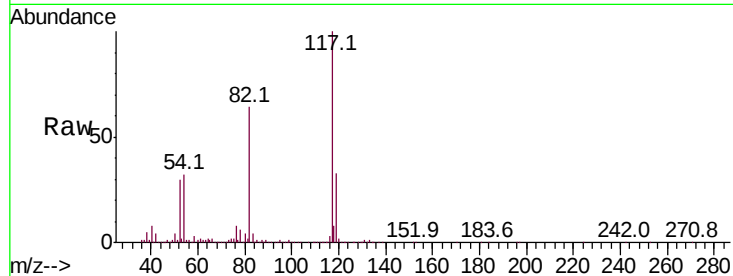
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2895
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion:117 Resp: 3317802
Ion Ratio Lower Upper
117 100
82 64.8 53.5 80.3
119 26.6 25.6 38.4

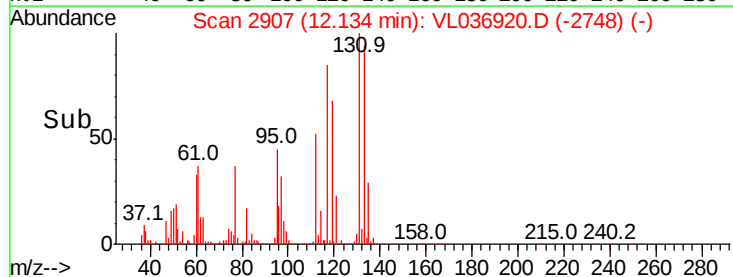
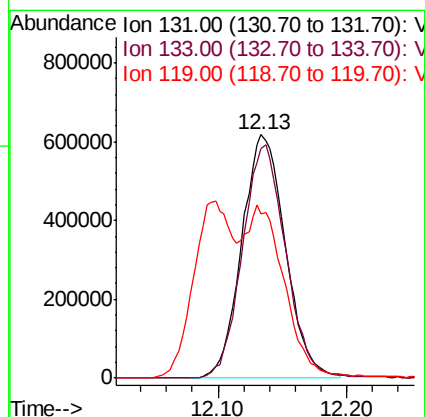
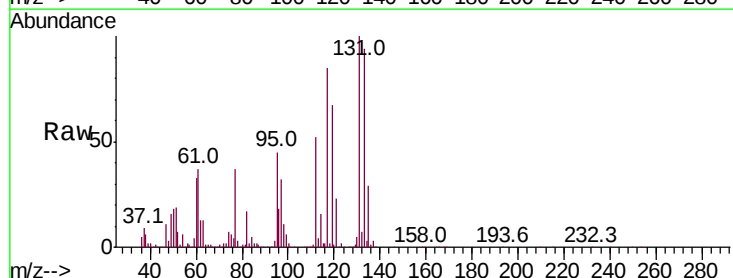
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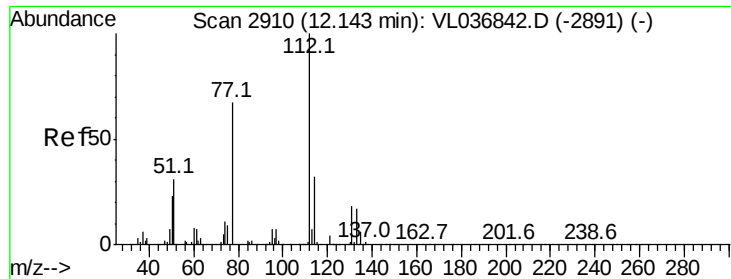
MMDadoda
5/10/2021 3:34:39 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 10.453 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Tgt Ion:131 Resp: 1453900
Ion Ratio Lower Upper
131 100
133 96.2 76.3 114.5
119 67.7 114.9 172.3#





#57

Chlorobenzene

Concen: 9.978 ppbv

RT: 12.16 min Scan# 2915

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

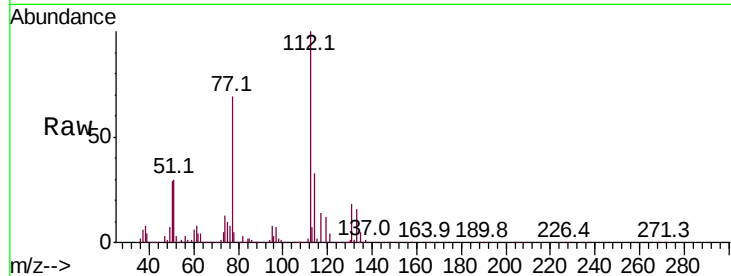
ClientSampleId :

VL0507ABS01

Tot Ion:	112	Resp:	2578463
Ion	Ratio	Lower	Upper
112	100		
77	68.1	54.2	81.4
114	32.5	28.5	34.9

Manual Integrations
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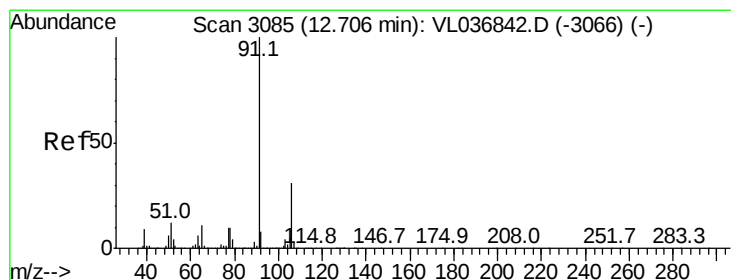
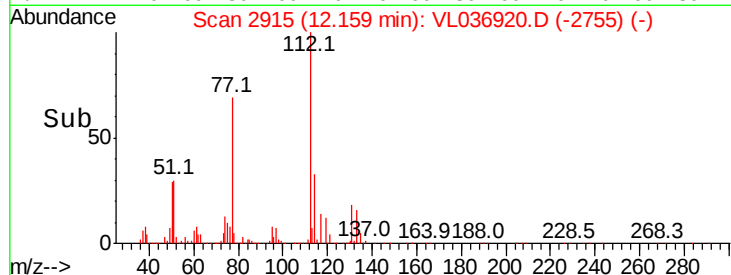
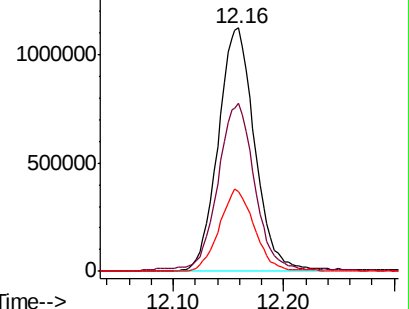
MMDadoda
5/10/2021 3:34:39 PM



Abundance Ion 112.10 (111.80 to 112.80): V

1500000 Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.860 ppbv

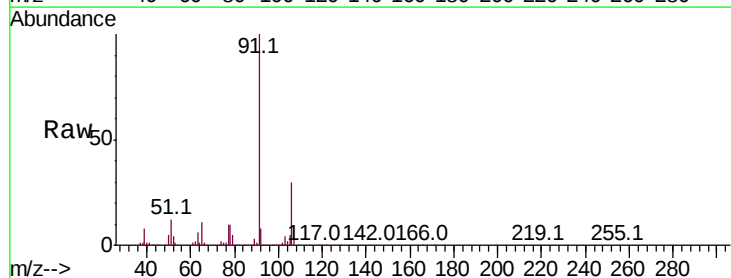
RT: 12.72 min Scan# 3089

Delta R.T. 0.01 min

Lab File: VL036920.D

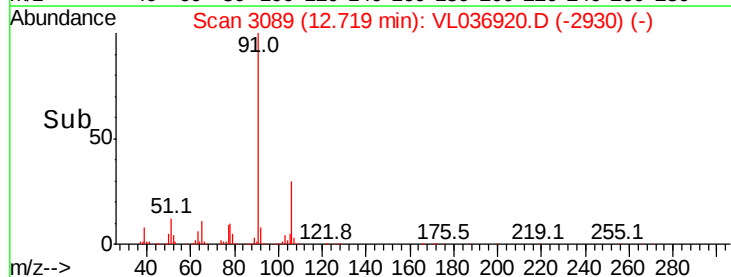
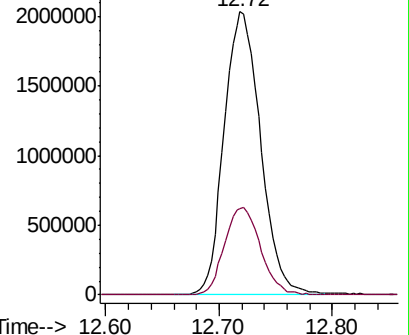
Acq: 7 May 2021 15:32

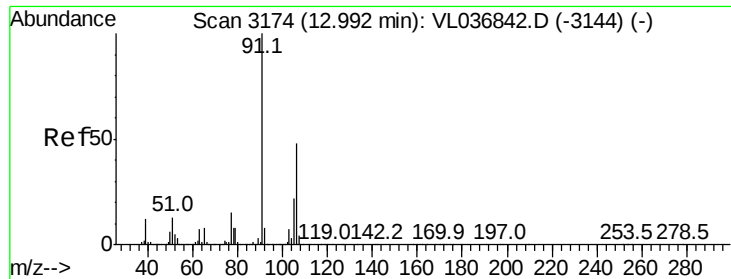
Tgt Ion:	91	Resp:	4569970
Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.1	37.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





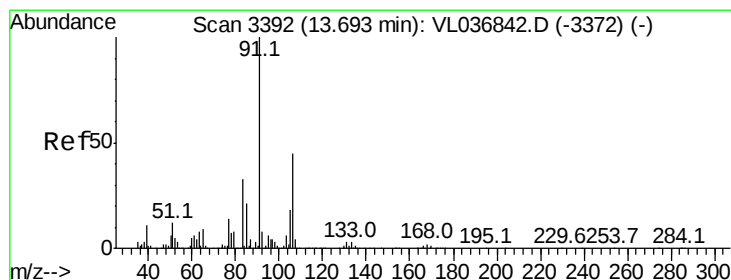
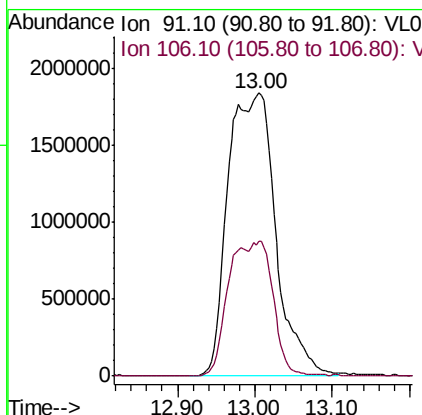
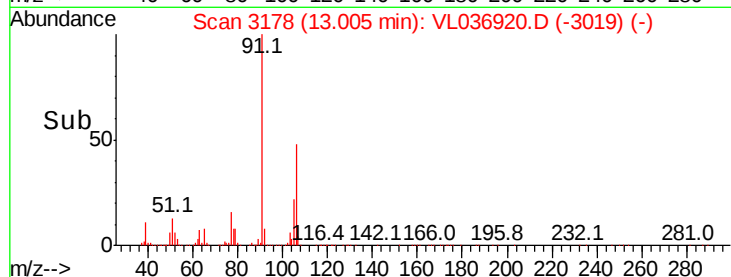
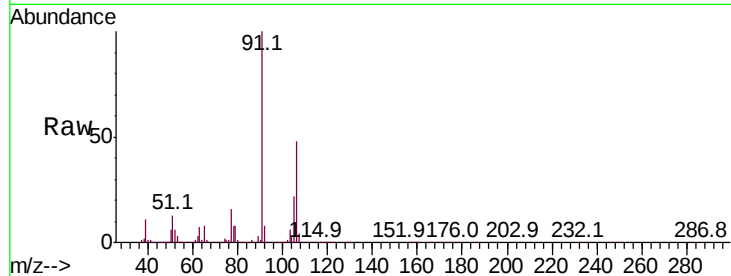
#59
m/p-Xylene
Concen: 21.014 ppbv m
RT: 13.00 min Scan# 3178
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion: 91 Resp: 7903628
Ion Ratio Lower Upper
91 100
106 44.4 35.8 53.6

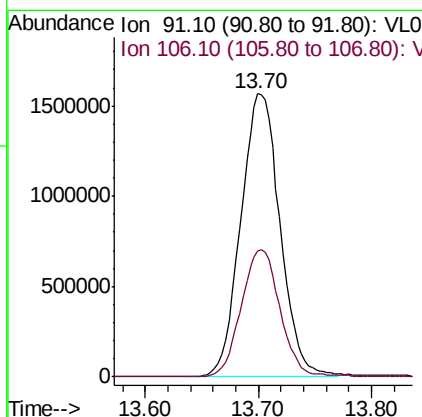
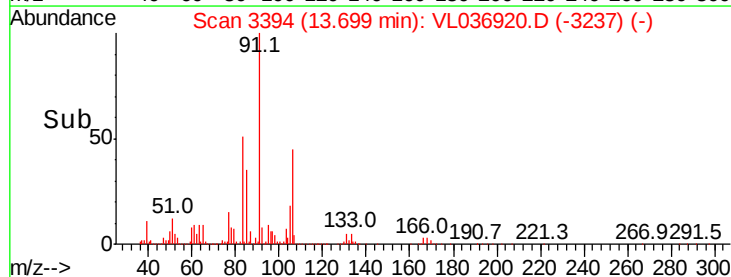
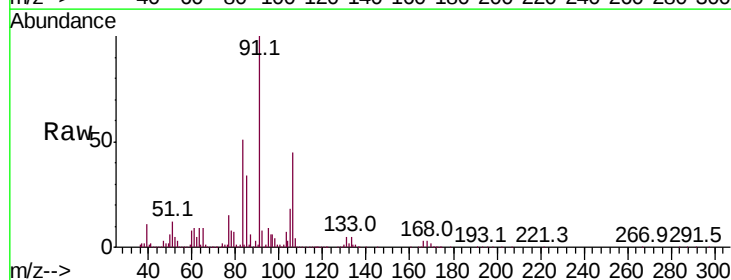
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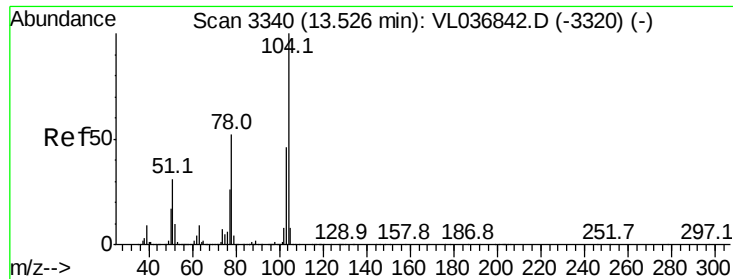
MMDadoda
5/10/2021 3:34:39 PM



#60
o-Xylene
Concen: 10.353 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Tgt Ion: 91 Resp: 3764929
Ion Ratio Lower Upper
91 100
106 44.9 22.6 67.7





#61

Stvrene

Concen: 11.423 ppbv

RT: 13.54 min Scan# 3343

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

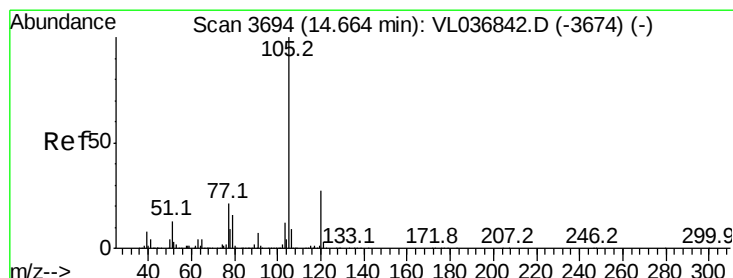
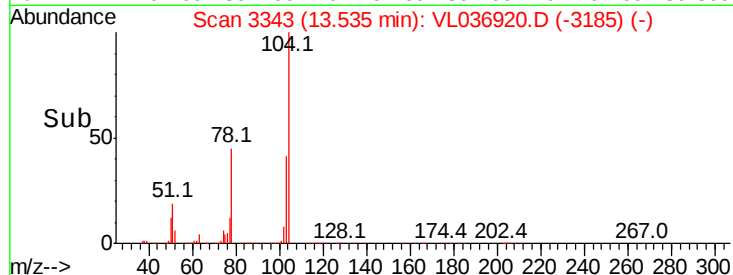
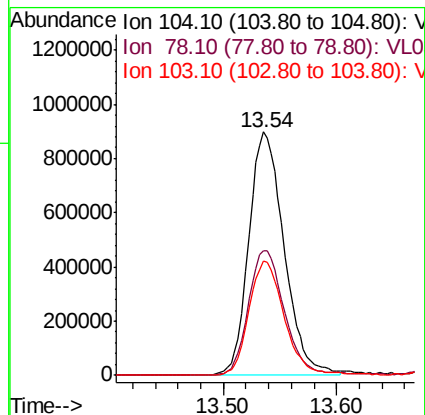
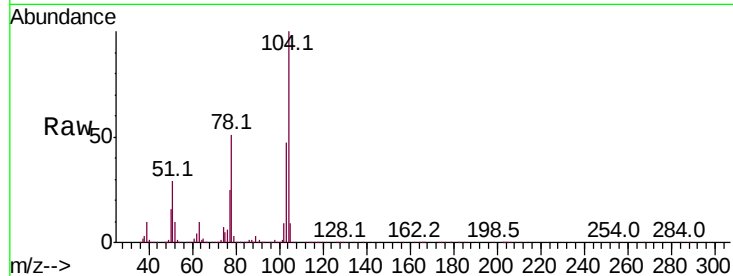
ClientSampleId :

VL0507ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.9	42.6	64.0
103	47.5	38.1	57.1

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#62

Isopropylbenzene

Concen: 10.370 ppbv

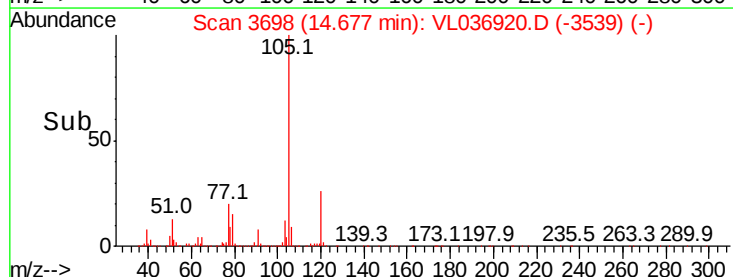
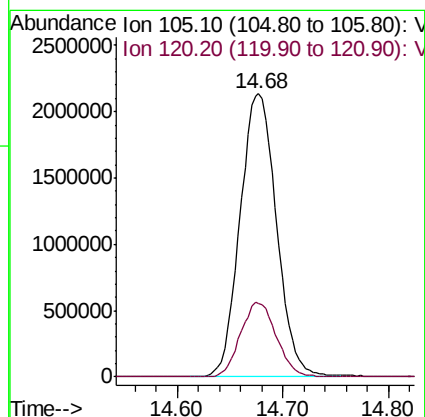
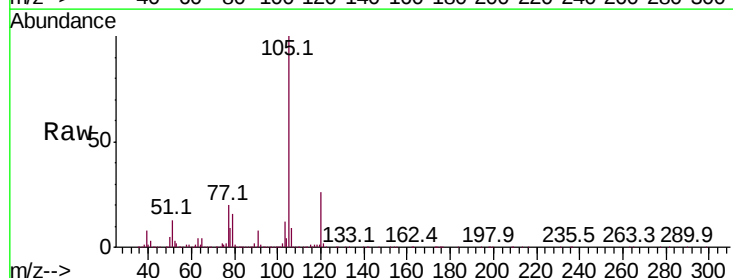
RT: 14.68 min Scan# 3698

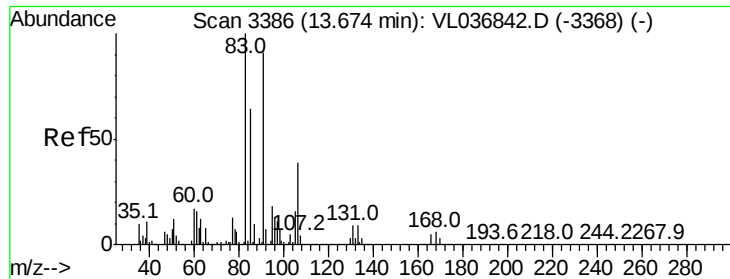
Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	21.1	31.7





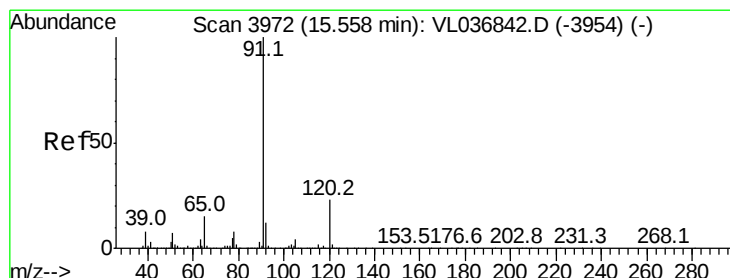
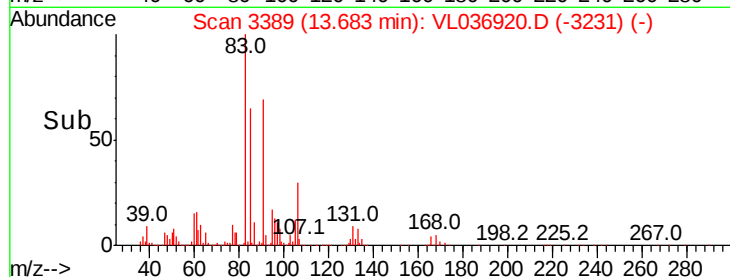
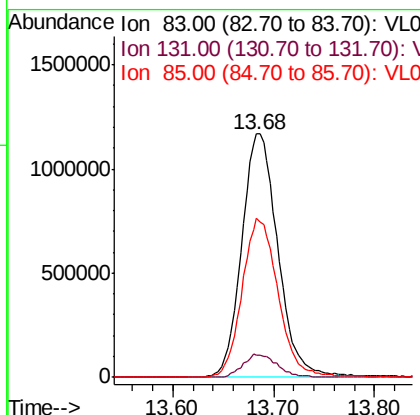
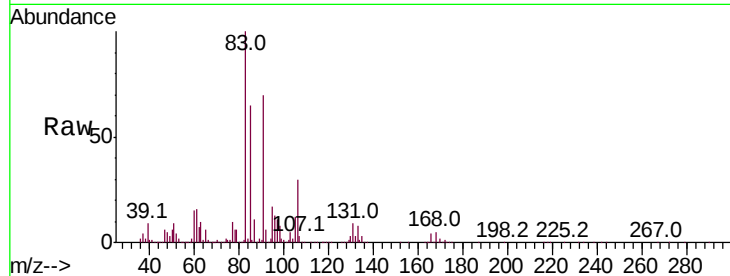
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.896 ppbv
 RT: 13.68 min Scan# 3389
 Delta R.T. 0.01 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.8	14.3
85	65.4	32.8	98.4

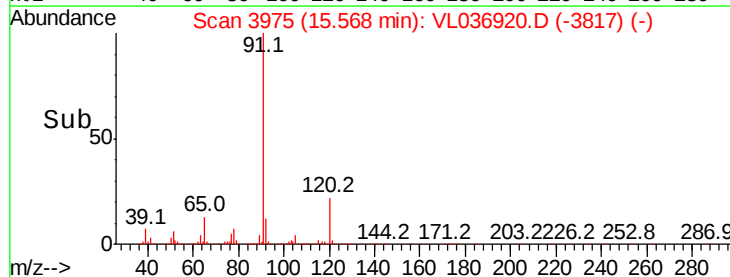
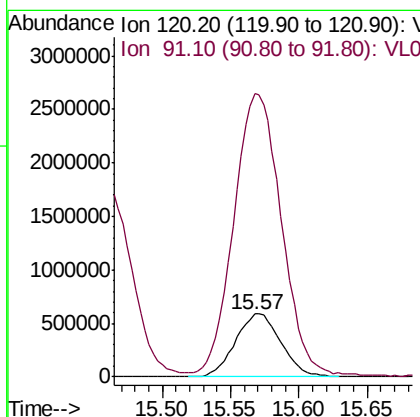
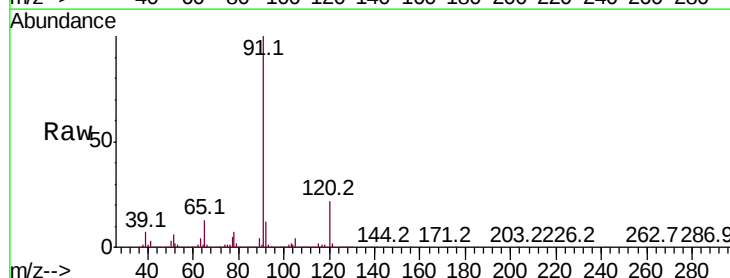
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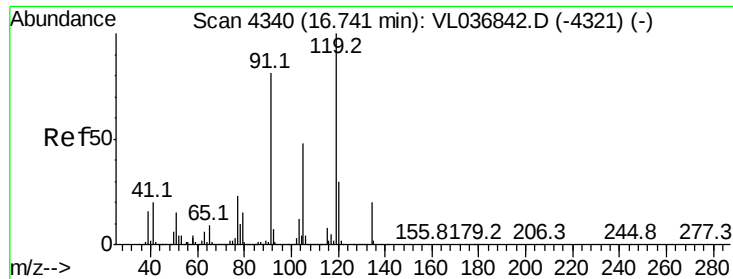
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#64
 n-propylbenzene
 Concen: 11.034 ppbv
 RT: 15.57 min Scan# 3975
 Delta R.T. 0.01 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

Tgt Ion	Ratio	Lower	Upper
120	100		
91	476.8	378.6	567.8





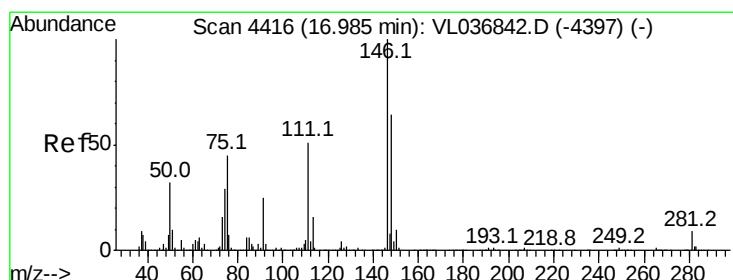
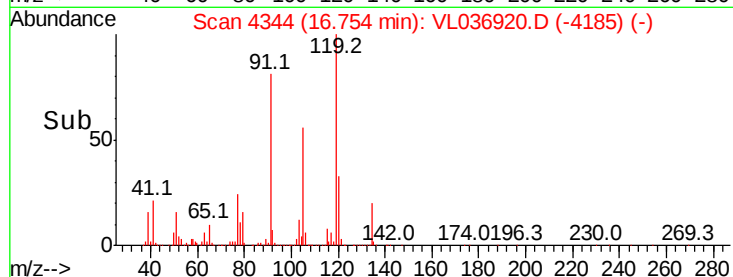
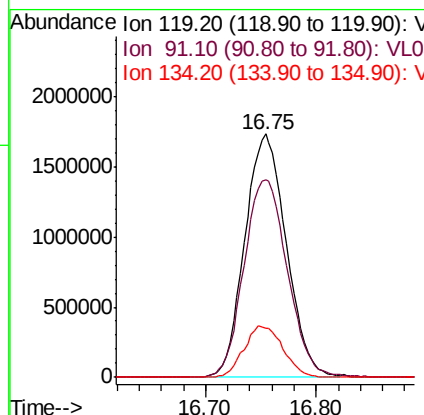
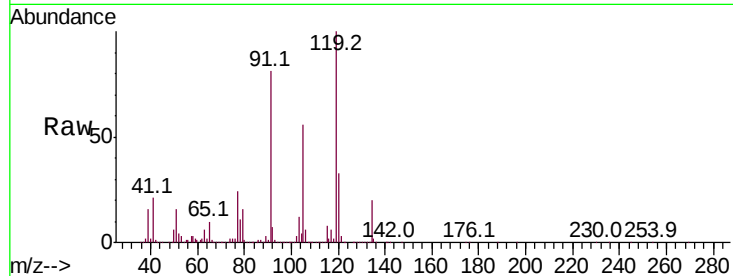
#65
tert-Butylbenzene
Concen: 10.309 ppbv
RT: 16.75 min Scan# 4344
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion:119 Resp: 4509734
Ion Ratio Lower Upper
119 100
91 85.3 67.0 100.6
134 20.1 15.8 23.6

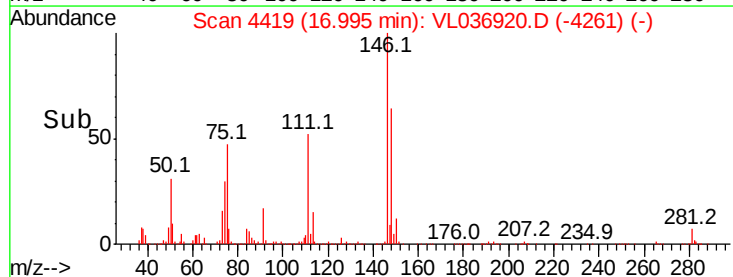
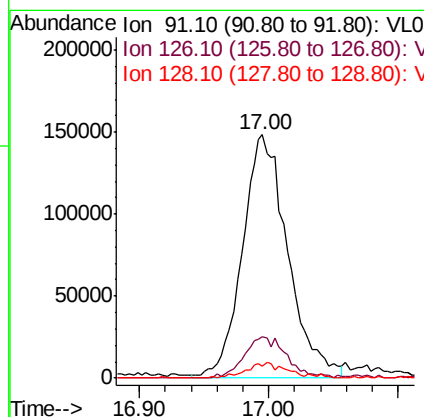
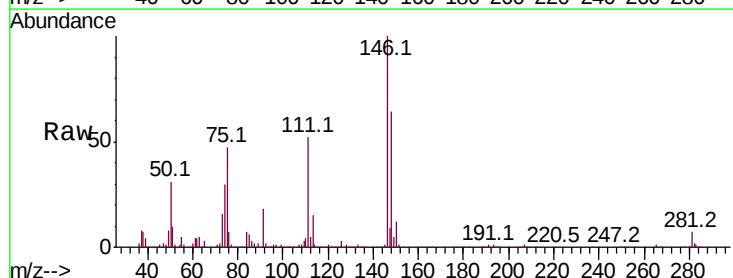
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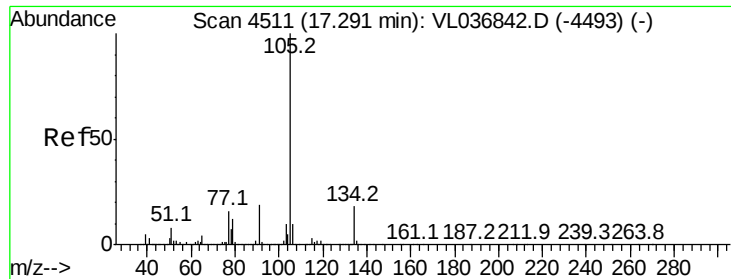
MMDadoda
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#66
Benzyl Chloride
Concen: 8.481 ppbv m
RT: 17.00 min Scan# 4419
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Tgt Ion: 91 Resp: 362759
Ion Ratio Lower Upper
91 100
126 16.7 14.1 21.1
128 6.0 4.8 7.2





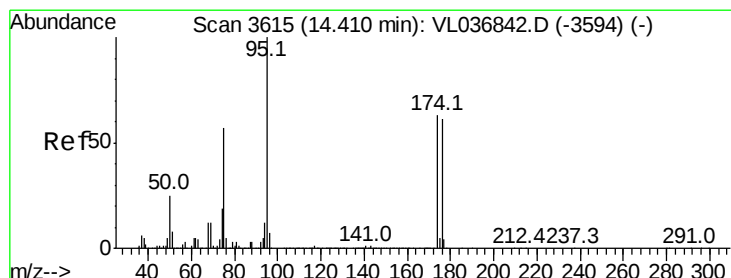
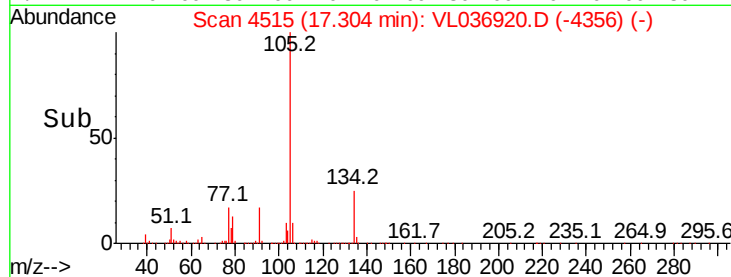
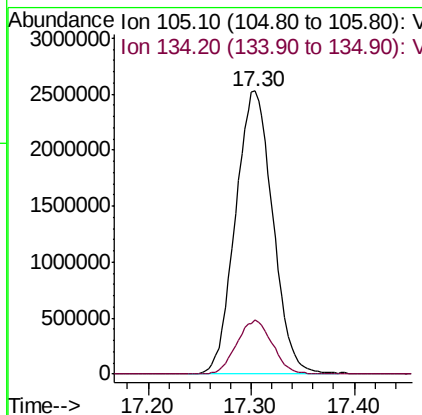
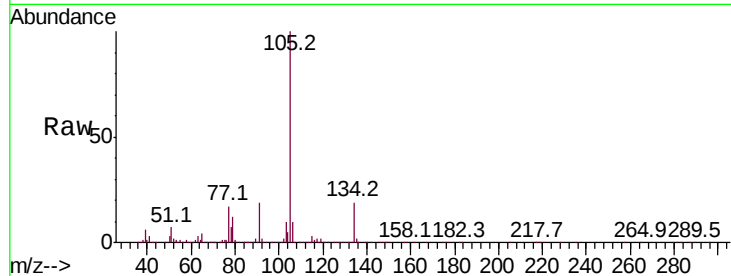
#67
 sec-Butylbenzene
 Concen: 10.454 ppbv
 RT: 17.30 min Scan# 4515
 Delta R.T. 0.01 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion: 105 Resp: 6350644
 Ion Ratio Lower Upper
 105 100
 134 18.4 14.8 22.2

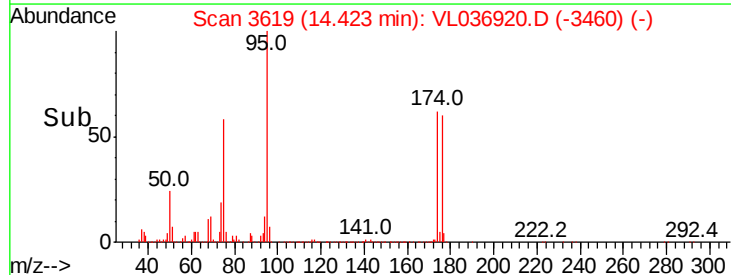
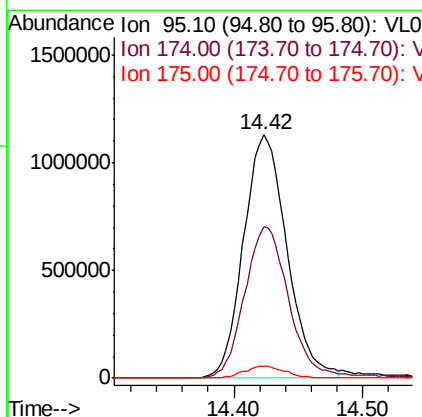
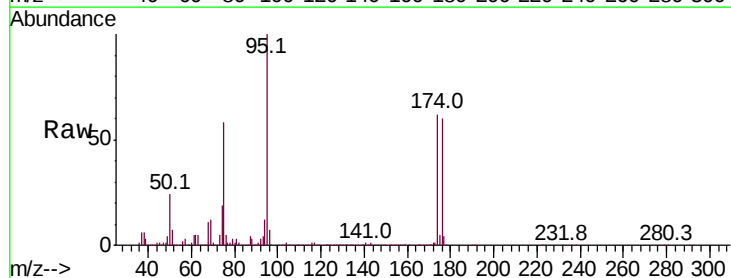
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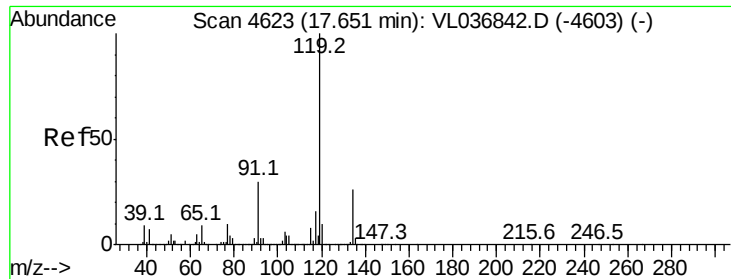
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.930 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. 0.01 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

Tgt Ion: 95 Resp: 2644647
 Ion Ratio Lower Upper
 95 100
 174 64.8 52.2 78.2
 175 4.8 4.0 6.0





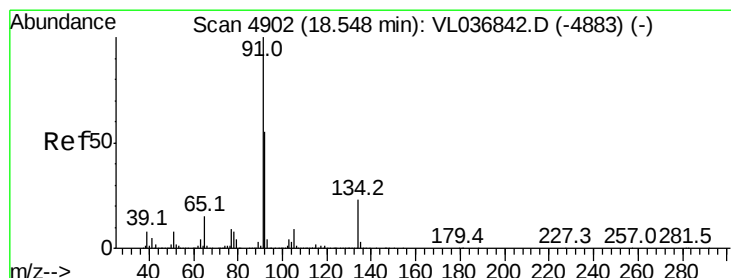
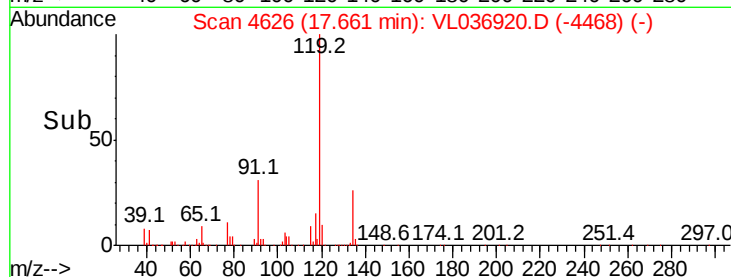
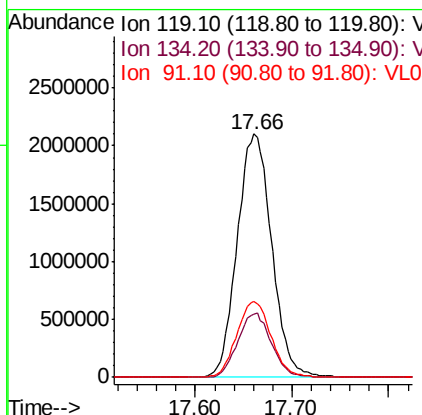
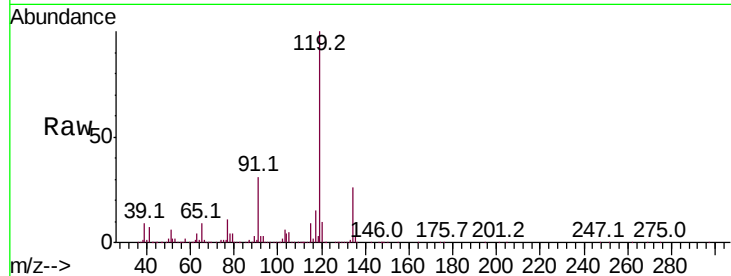
#69
p-Isopropyltoluene
Concen: 10.677 ppbv
RT: 17.66 min Scan# 4626
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.6	31.0
91	31.0	24.2	36.4

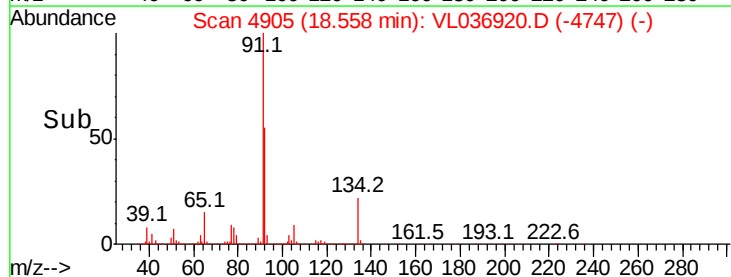
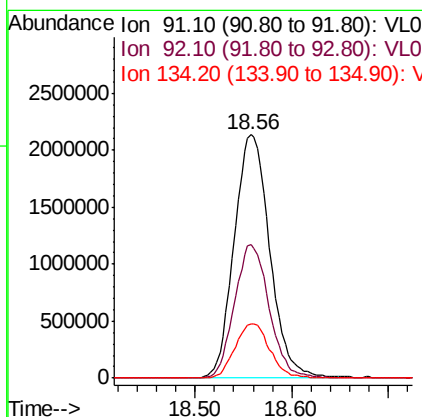
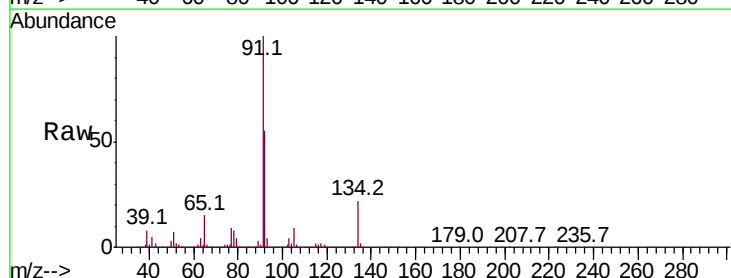
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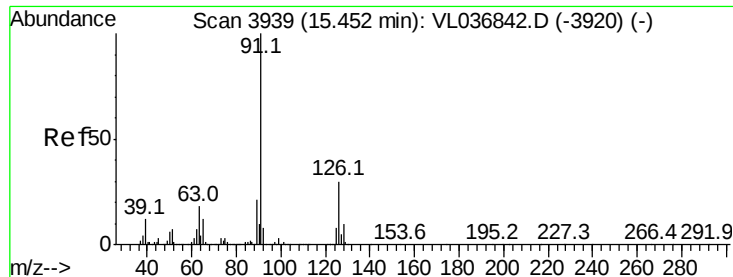
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#70
n-Butylbenzene
Concen: 11.132 ppbv
RT: 18.56 min Scan# 4905
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.8	43.5	65.3
134	22.0	18.2	27.4





#71

2-Chlorotoluene

Concen: 10.986 ppbv

RT: 15.46 min Scan# 3942

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 91 Resp: 4025700

Ion Ratio Lower Upper

91 100

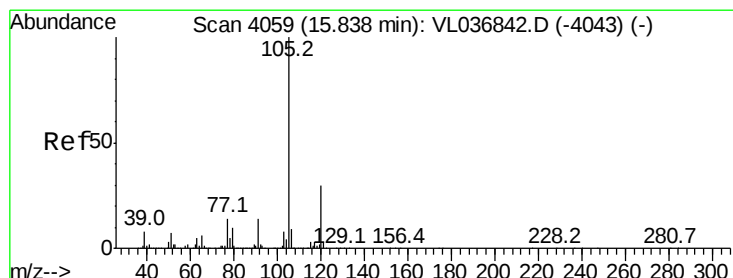
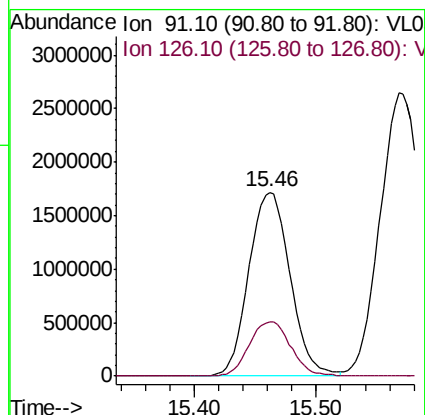
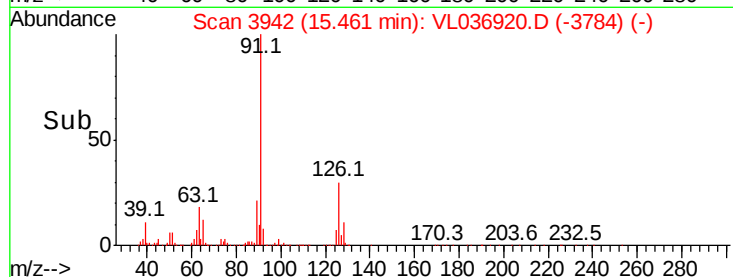
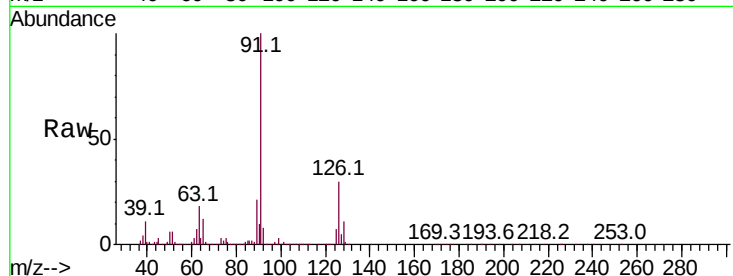
126 30.4 12.3 49.3

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#72

4-Ethyltoluene

Concen: 11.355 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Tgt Ion: 105 Resp: 4432231

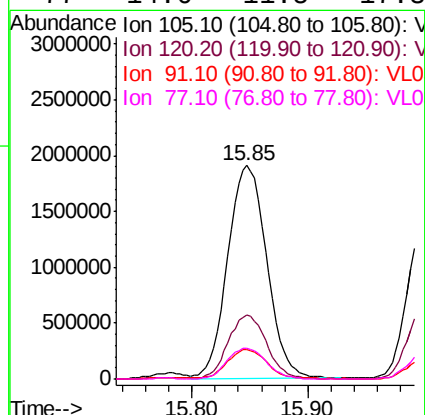
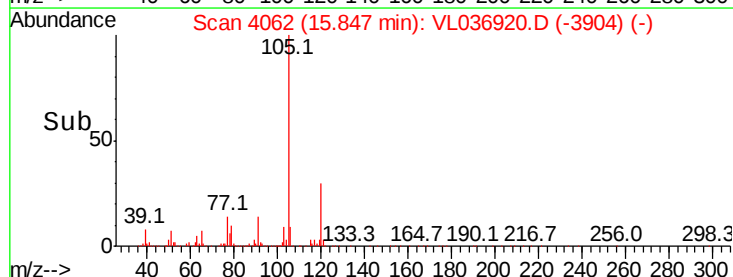
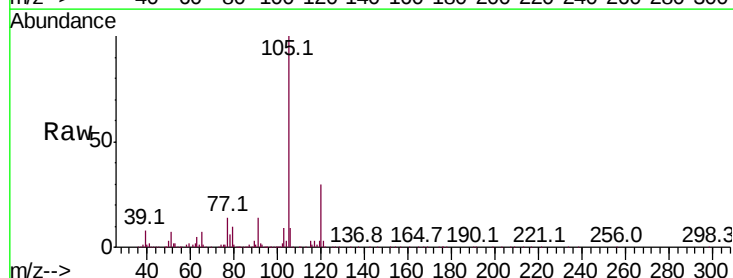
Ion Ratio Lower Upper

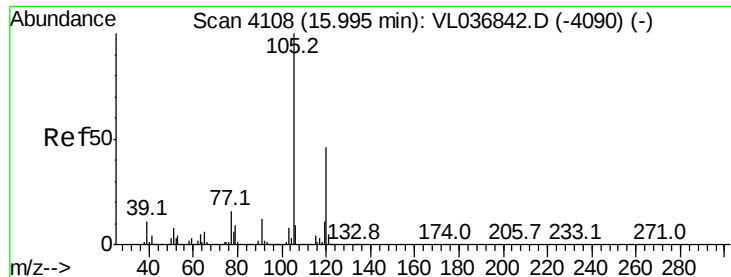
105 100

120 29.9 23.8 35.6

91 15.0 10.7 16.1

77 14.6 11.5 17.3





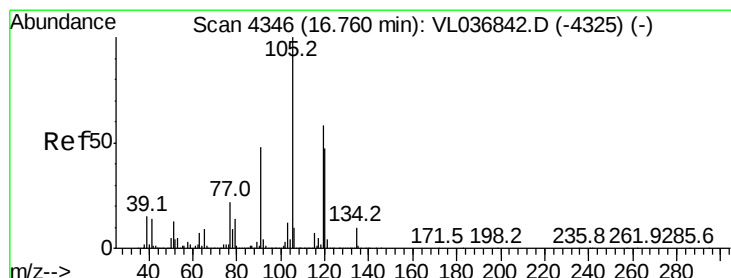
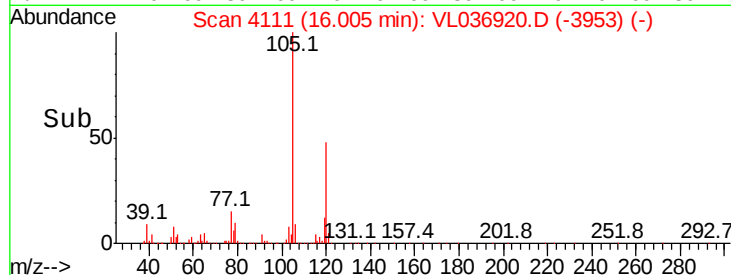
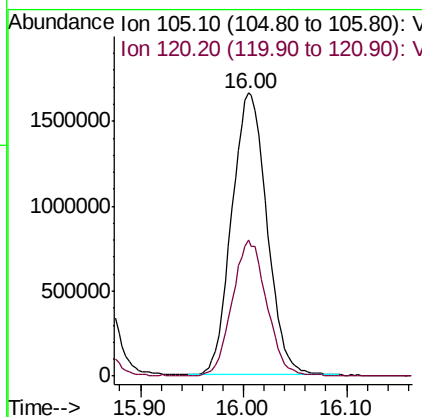
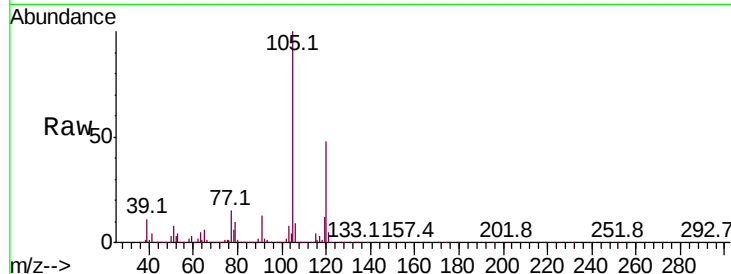
#73
 1,3,5-Trimethylbenzene
 Concen: 10.360 ppbv
 RT: 16.00 min Scan# 4111
 Delta R.T. 0.01 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion:105 Resp: 3921879
 Ion Ratio Lower Upper
 105 100
 120 48.4 36.8 55.2

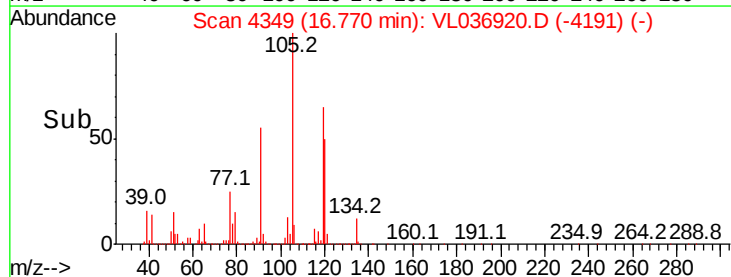
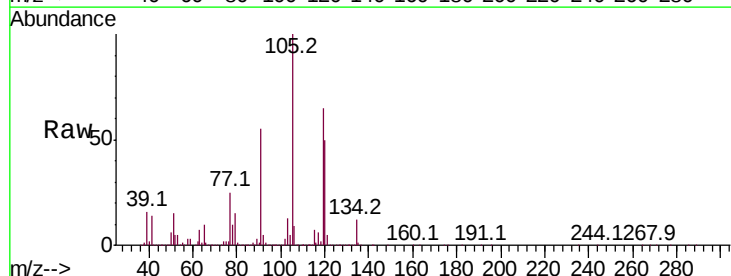
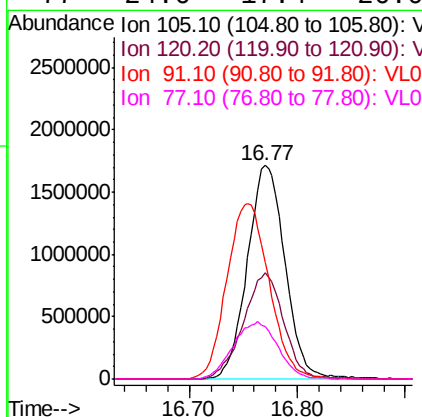
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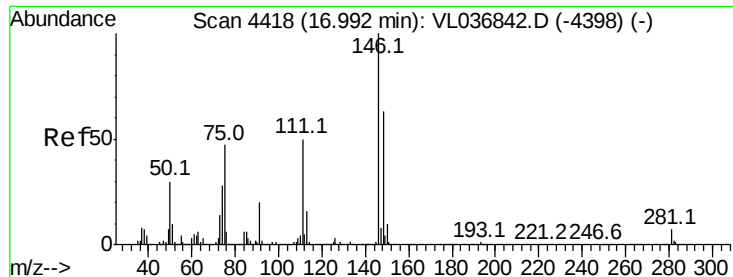
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.296 ppbv
 RT: 16.77 min Scan# 4349
 Delta R.T. 0.01 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

Tgt Ion:105 Resp: 4140189
 Ion Ratio Lower Upper
 105 100
 120 49.6 37.6 56.4
 91 54.5 39.0 58.4
 77 24.6 17.4 26.0





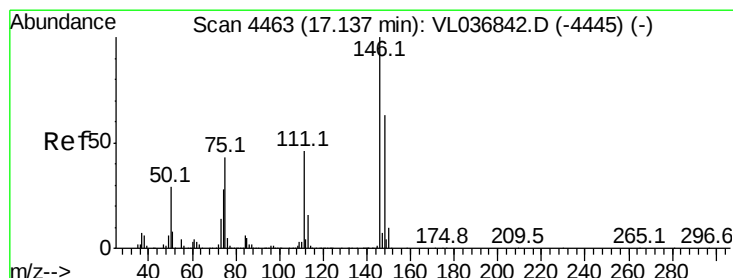
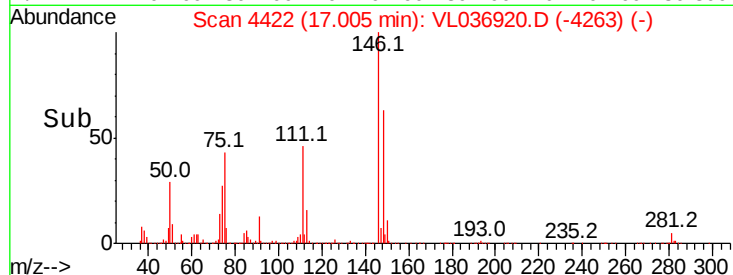
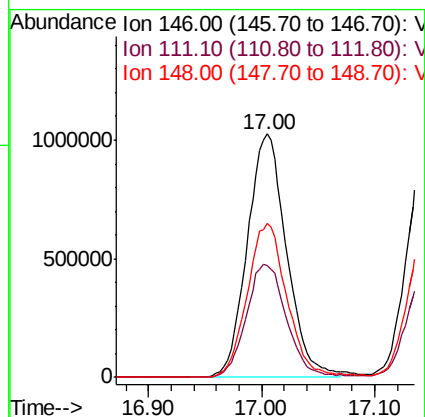
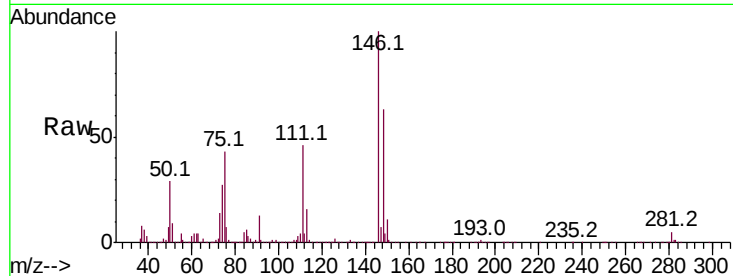
#75
 1,3-Dichlorobenzene
 Concen: 10.390 ppbv
 RT: 17.00 min Scan# 4422
 Delta R.T. 0.01 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.0	24.2	72.6
148	64.5	32.1	96.3

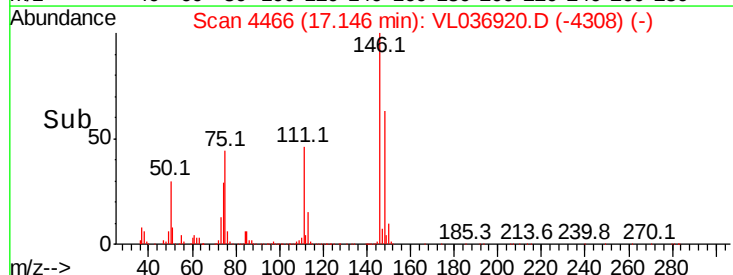
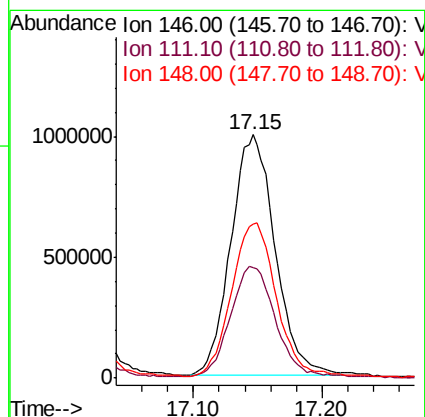
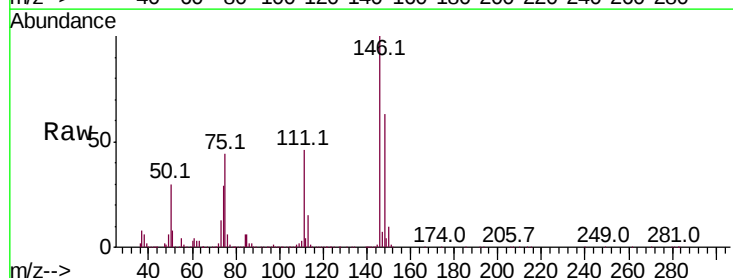
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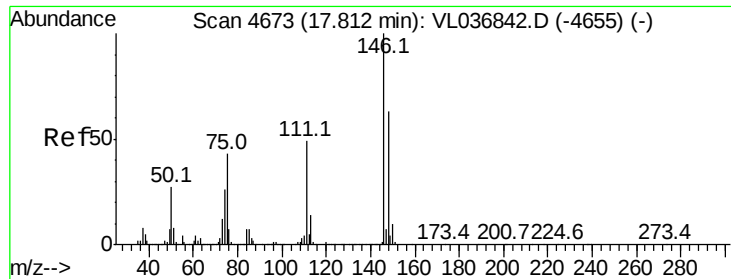
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#76
 1,4-Dichlorobenzene
 Concen: 10.113 ppbv
 RT: 17.15 min Scan# 4466
 Delta R.T. 0.01 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.4	24.3	72.8
148	66.8	32.4	97.0





#77

1,2-Dichlorobenzene

Concen: 10.178 ppbv

RT: 17.83 min Scan# 4678

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

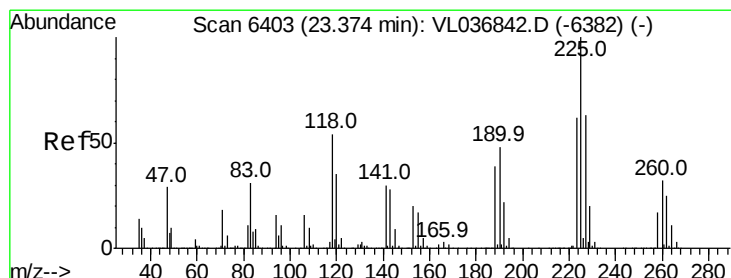
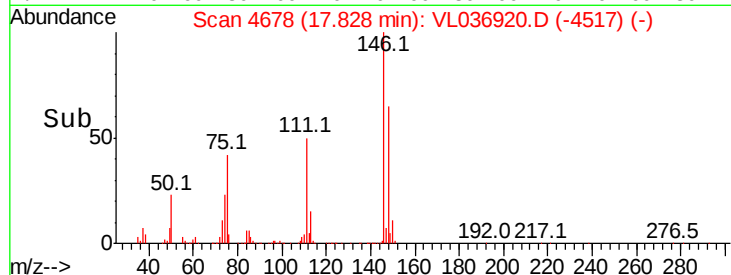
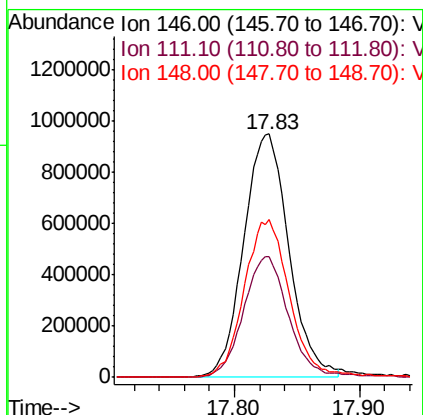
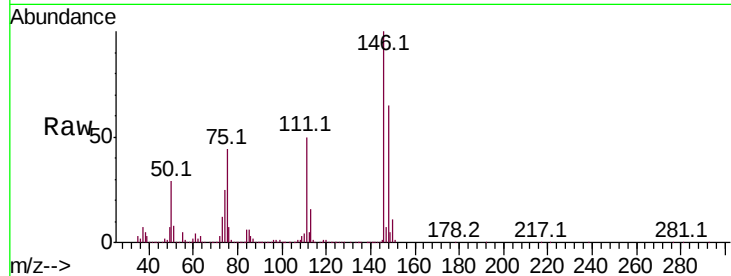
ClientSampleId :

VL0507ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.1	25.0	75.0
148	65.0	32.4	97.0

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#78

Hexachloro-1,3-Butadiene

Concen: 9.311 ppbv

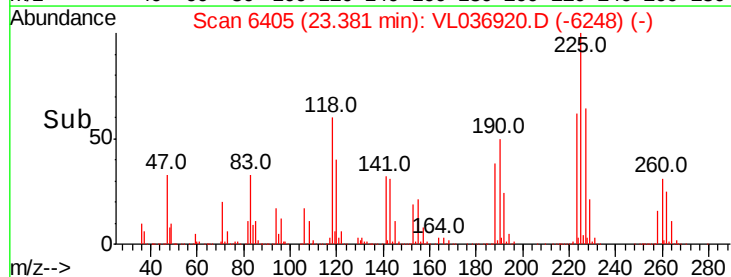
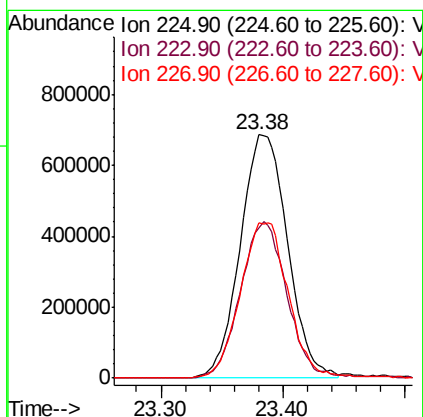
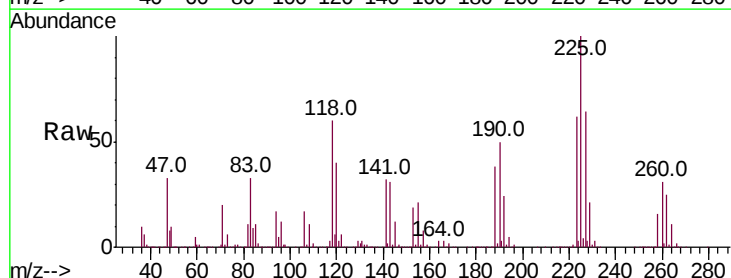
RT: 23.38 min Scan# 6405

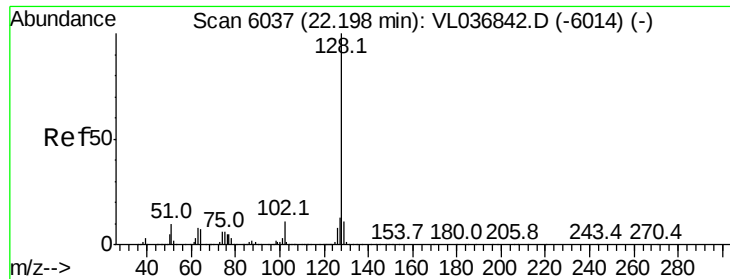
Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	51.2	76.8
227	65.6	51.8	77.6





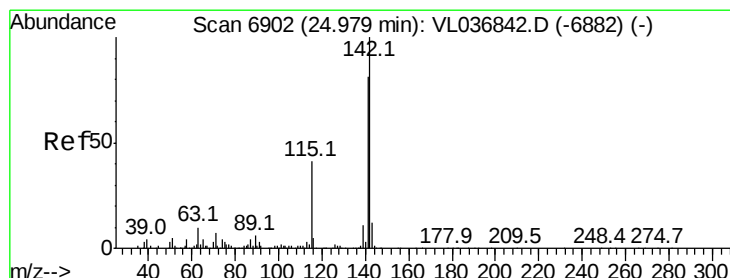
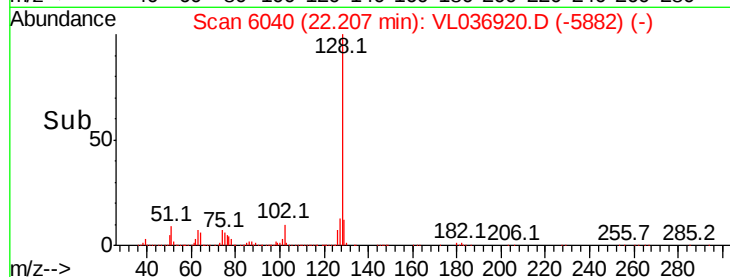
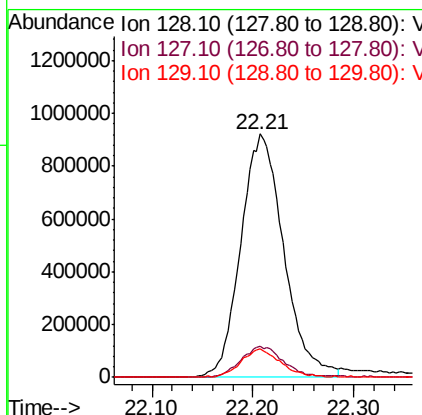
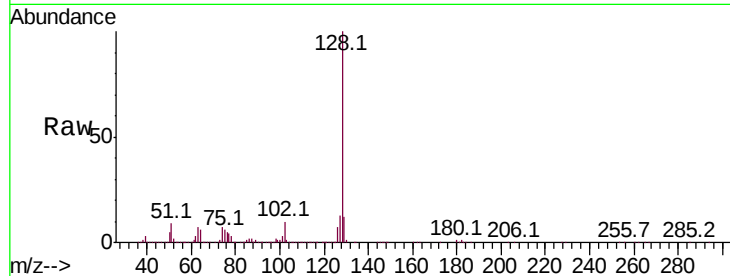
#79
Naphthalene
Concen: 12.094 ppbv
RT: 22.21 min Scan# 6040
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	11.8	9.0	13.4

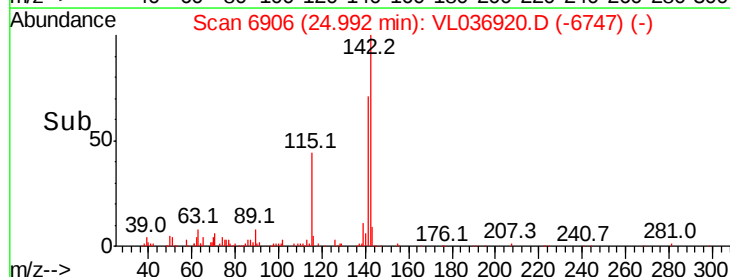
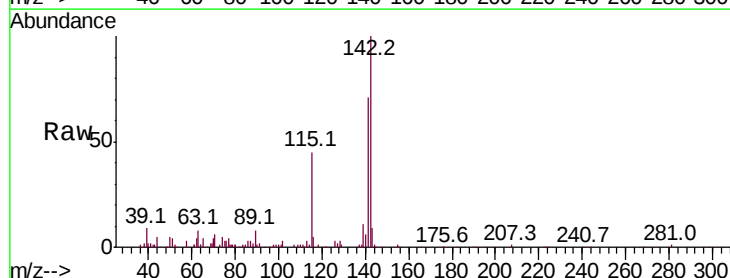
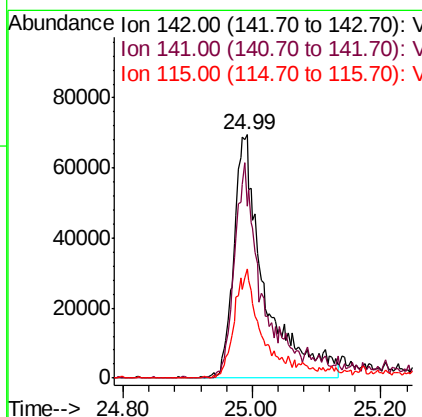
Manual Integrations
APPROVED

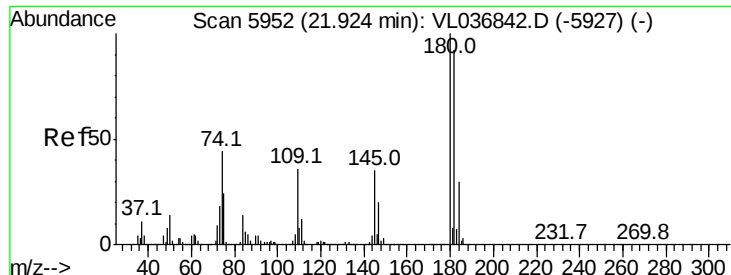
MMDadoda
5/10/2021 3:34:39 PM



#80
Naphthalene, 2-methyl-
Concen: 9.227 ppbv
RT: 24.99 min Scan# 6906
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Tgt Ion	Ratio	Lower	Upper
142	100		
141	76.6	62.6	93.8
115	42.5	32.0	48.0





#81
 1,2,4-Trichlorobenzene
 Concen: 11.304 ppbv
 RT: 21.93 min Scan# 5955
 Delta R.T. 0.01 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	102.1	80.9	121.3
184	33.1	25.3	37.9

Manual Integrations
 APPROVED

MMDadoda
 5/10/2021 3:34:39 PM

