

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040721\
 Data File : VL036728.D
 Acq On : 7 Apr 2021 15:27
 Operator : SY/AP
 Sample : VL0407ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0407ABS01

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:15:28 AM

Quant Time: Apr 10 22:27:22 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Apr 08 2021
 QLast Update : Thu Apr 08 01:58:43 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1392431	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3529217	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3142824m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2605379	10.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1969390	8.672	ppbv	96
3) Chlorodifluoromethane	2.99	51	2340497	8.997	ppbv	99
4) Chloromethane	3.14	50	739456	8.047	ppbv	98
5) Vinyl Chloride	3.26	62	750229	7.940	ppbv	100
6) Bromomethane	3.47	94	419096	8.056	ppbv	98
7) Chloroethane	3.56	64	252709	7.784	ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	1811153	8.356	ppbv	97
9) Propene	3.01	41	701382	8.457	ppbv	97
10) Heptane	8.13	43	1849019	8.751	ppbv	99
11) Trichlorofluoromethane	3.95	101	1818513	7.857	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1204759	8.141	ppbv	99
13) Ethanol	3.61	45	74909m	7.585	ppbv	
14) Bromoethene	3.74	108	482761	7.847	ppbv	94
15) Acetone	3.85	43	986976	7.202	ppbv	99
16) 1,3-Butadiene	3.33	39	812039	8.511	ppbv	95
17) tert-Butyl alcohol	4.29	59	1039911	8.717	ppbv	100
18) 1,1-Dichloroethene	4.29	96	505471	7.679	ppbv	96
19) Isopropyl Alcohol	3.97	45	562986	7.468	ppbv	98
20) Methylene Chloride	4.35	84	463253m	7.220	ppbv	
21) Allyl Chloride	4.41	41	852299	7.801	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	484526	7.940	ppbv	89
23) Vinyl Acetate	5.08	43	1998335	8.524	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1449881	8.485	ppbv	99
25) Ethyl Acetate	5.68	43	2700954	8.290	ppbv	100
26) Hexane	5.69	57	1293631	8.556	ppbv	99
27) Carbon Disulfide	4.56	76	1283968	8.620	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1409013	7.902	ppbv	98
29) Chloroform	5.76	83	2075102	8.581	ppbv	100
30) Cyclohexane	7.14	84	1107156	9.029	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1274129	8.712	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	2104938	8.638	ppbv	98
34) 2-Butanone	5.25	43	1323054	7.680	ppbv	100
35) Carbon Tetrachloride	7.02	117	2237941	8.256	ppbv	97
36) Benzene	6.90	78	2711195	8.330	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1581775	8.257	ppbv	99
38) Trichloroethene	7.84	130	1020082	8.053	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1068445	8.092	ppbv	98
40) 1,4-Dioxane	7.84	88	256228m	8.338	ppbv	
41) Tetrahydrofuran	6.06	42	556900	7.011	ppbv	96
42) Bromodichloromethane	7.80	83	2225332	8.540	ppbv	97
43) Methyl Methacrylate	8.02	69	1038932	9.506	ppbv	96

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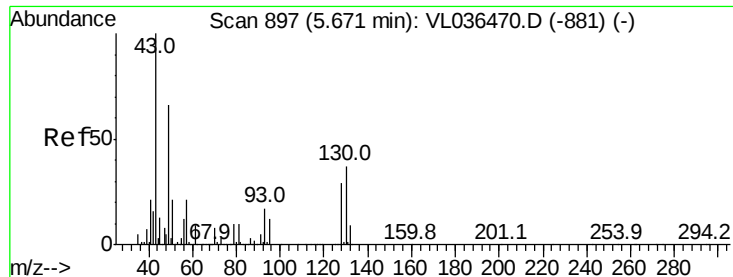
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4675141	8.161	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1007662	8.074	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1258539	7.889	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1123417	8.400	ppbv	97
48) Dibromochloromethane	10.31	129	1861608	9.132	ppbv	100
49) Bromoform	13.05	173	1538741	9.368	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	1996018	8.007	ppbv	99
51) 2-Hexanone	10.15	43	1057460	8.406	ppbv #	99
52) Tetrachloroethene	11.23	164	943989	7.876	ppbv	98
53) Toluene	9.81	91	3076514	8.876	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1639984	8.683	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1311452	9.226	ppbv	99
57) Chlorobenzene	12.16	112	2338386	8.744	ppbv	98
58) Ethyl Benzene	12.72	91	4227205	9.245	ppbv	99
59) m/p-Xylene	13.01	91	7239592m	18.153	ppbv	
60) o-Xylene	13.70	91	3444556	8.933	ppbv	100
61) Styrene	13.54	104	1857439	9.574	ppbv	99
62) Isopropylbenzene	14.68	105	4742184	9.132	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2539703	8.634	ppbv	99
64) n-propylbenzene	15.57	120	1222733	9.631	ppbv	96
65) tert-Butylbenzene	16.76	119	4154756	9.227	ppbv	99
66) Benzyl Chloride	17.00	91	323666m	6.503	ppbv	
67) sec-Butylbenzene	17.31	105	5832743	9.177	ppbv	99
69) p-Isopropyltoluene	17.66	119	4807536	9.686	ppbv	99
70) n-Butylbenzene	18.56	91	4954248	9.627	ppbv	99
71) 2-Chlorotoluene	15.46	91	3646681	9.372	ppbv	100
72) 4-Ethyltoluene	15.85	105	4077265	9.649	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	3659745	9.280	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	3762907	8.916	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	2246518	9.457	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2198982	9.323	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	2198505	9.846	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	1711343	8.558	ppbv	99
79) Naphthalene	22.21	128	2650671	10.763	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	346249	7.130	ppbv	95
81) 1,2,4-Trichlorobenzene	21.94	180	1598131	10.511	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL036728.D

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Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion: 49 Resp: 1392431

Ion Ratio Lower Upper

49 100

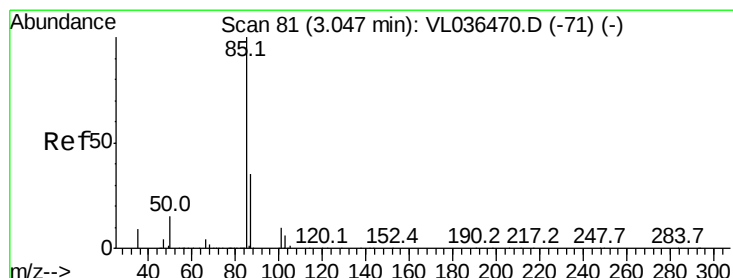
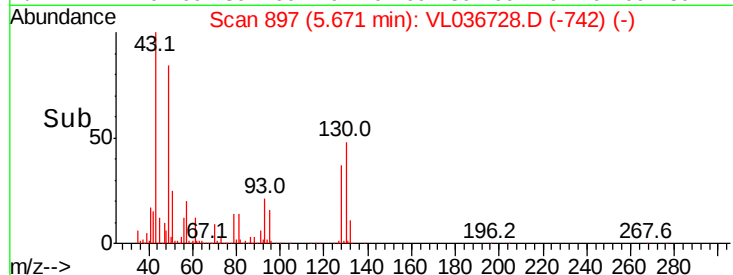
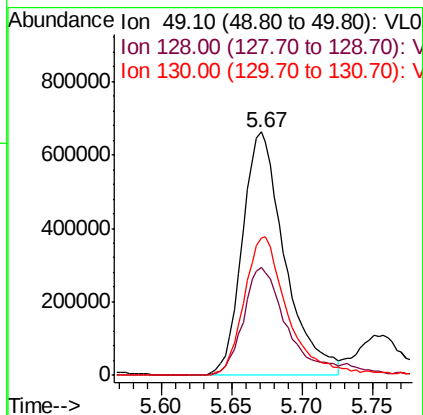
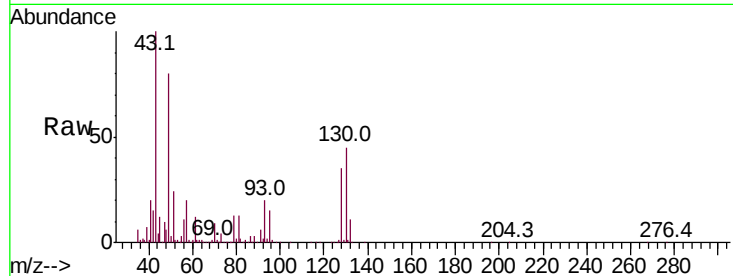
128 48.7 23.5 70.6

130 59.4 29.1 87.4

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#2

Dichlorodifluoromethane

Concen: 8.672 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL036728.D

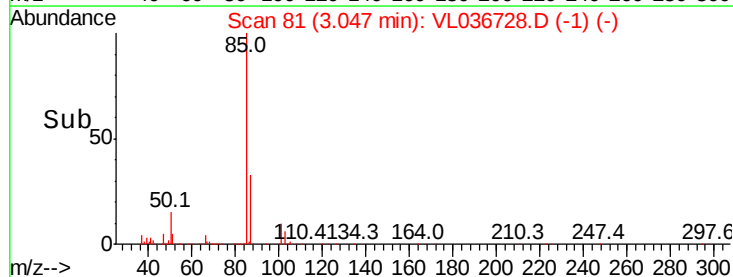
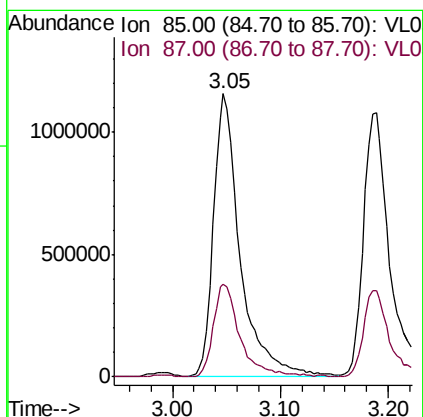
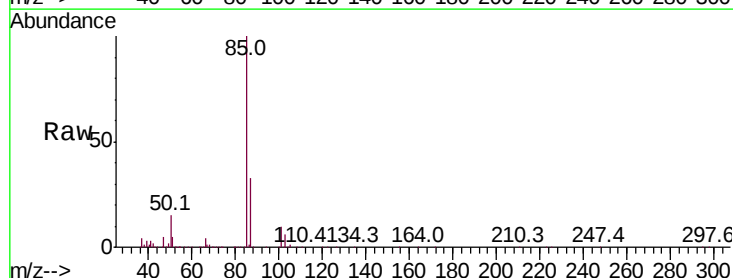
Acq: 7 Apr 2021 15:27

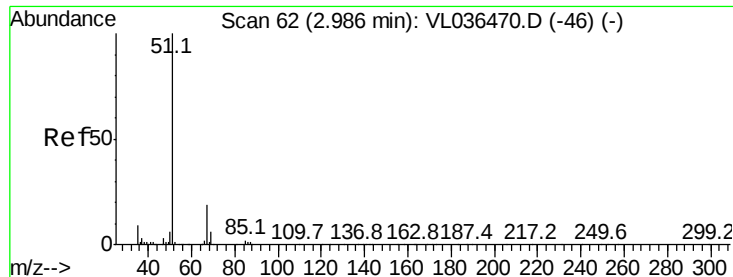
Tgt Ion: 85 Resp: 1969390

Ion Ratio Lower Upper

85 100

87 32.7 27.8 41.8





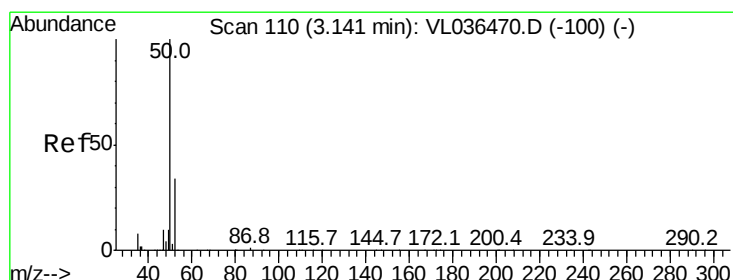
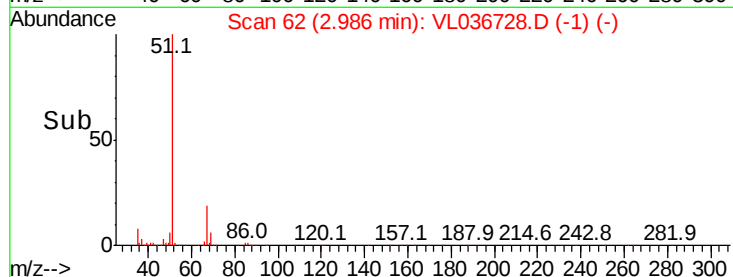
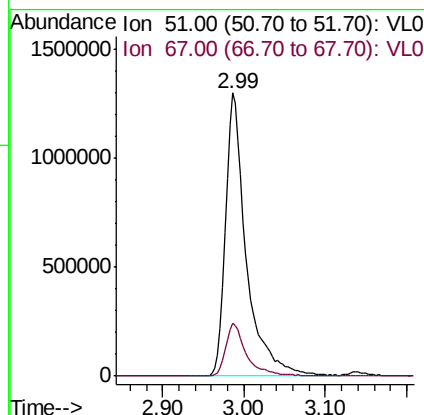
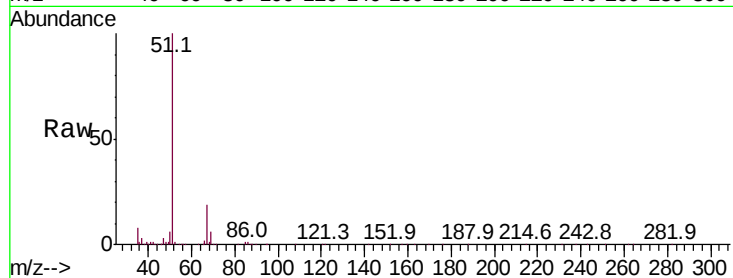
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Chlorodifluoromethane
Concen: 8.997 ppbv
RT: 2.99 min Scan# 62
Delta R.T. -0.00 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion: 51 Resp: 2340497
Ion Ratio Lower Upper
51 100
67 18.9 14.7 22.1

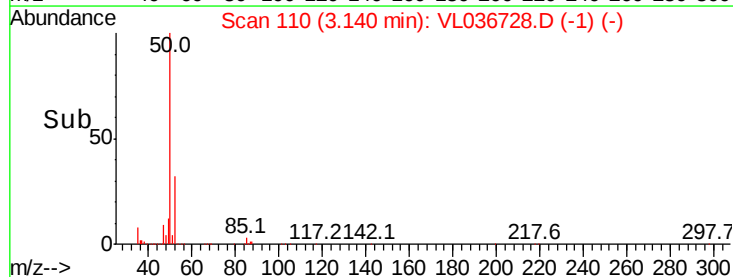
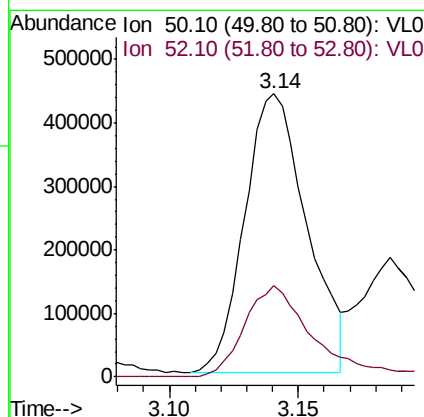
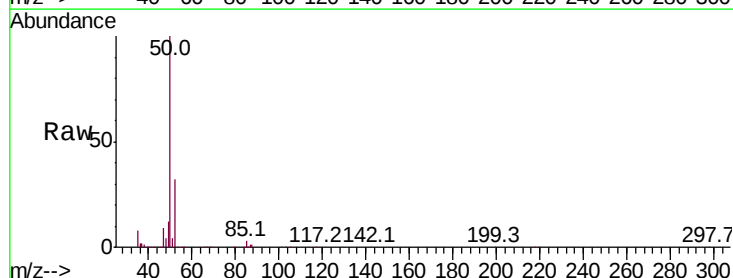
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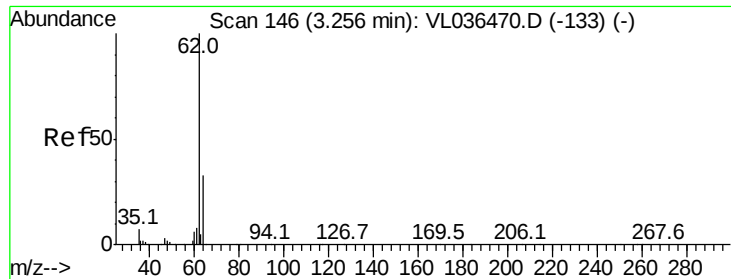
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#4
Chloromethane
Concen: 8.047 ppbv
RT: 3.14 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Tgt Ion: 50 Resp: 739456
Ion Ratio Lower Upper
50 100
52 32.7 27.0 40.6





#5

Vinyl Chloride

Concen: 7.940 ppbv

RT: 3.26 min Scan# 146

Delta R.T. -0.00 min

Lab File: VL036728.D

Acq: 7 Apr 2021 15:27

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion: 62 Resp: 750229

Ion Ratio Lower Upper

62 100

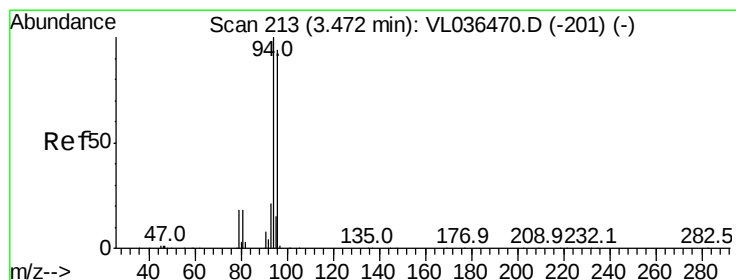
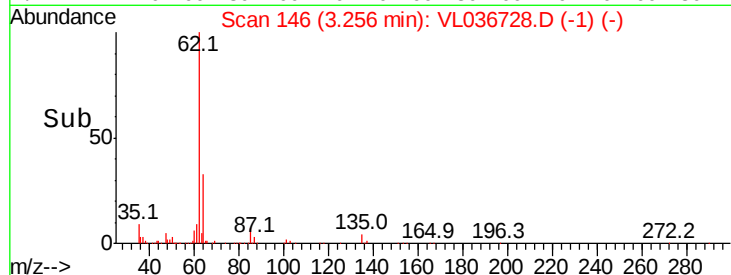
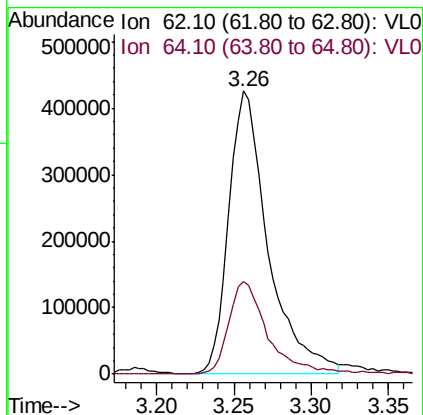
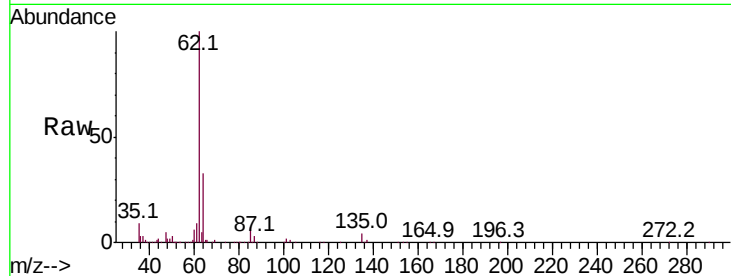
64 32.7 26.4 39.6

Manual Integrations

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#6

Bromomethane

Concen: 8.056 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL036728.D

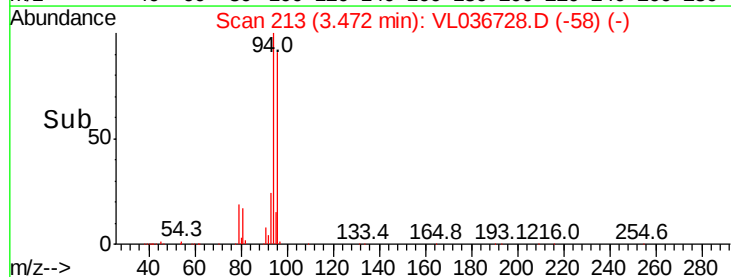
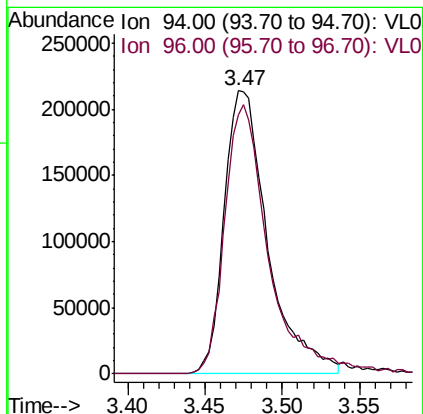
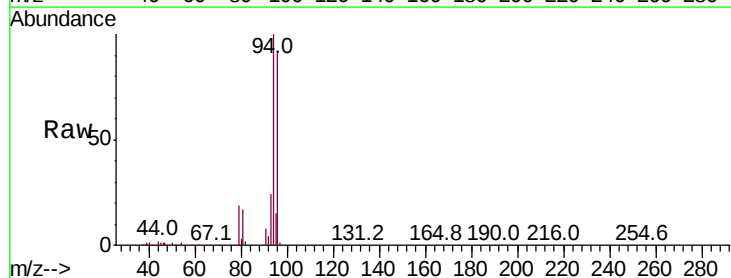
Acq: 7 Apr 2021 15:27

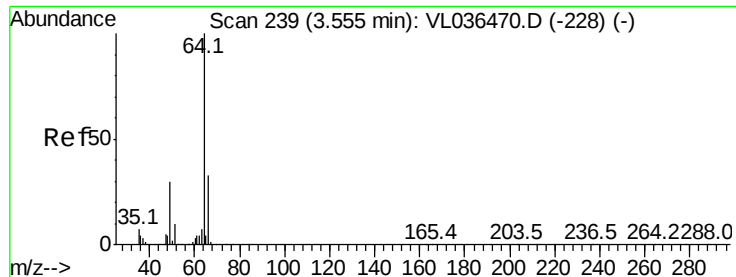
Tgt Ion: 94 Resp: 419096

Ion Ratio Lower Upper

94 100

96 91.3 74.9 112.3





#7

Chloroethane

Concen: 7.784 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL036728.D

Acq: 7 Apr 2021 15:27

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion: 64 Resp: 252709

Ion Ratio Lower Upper

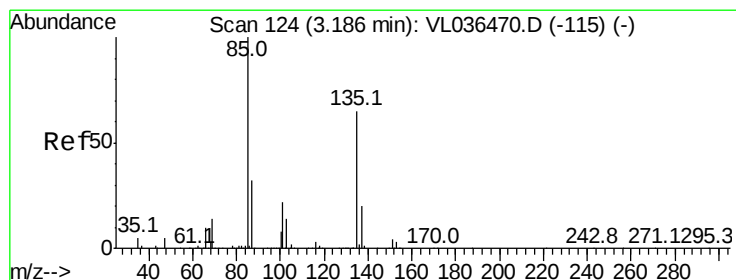
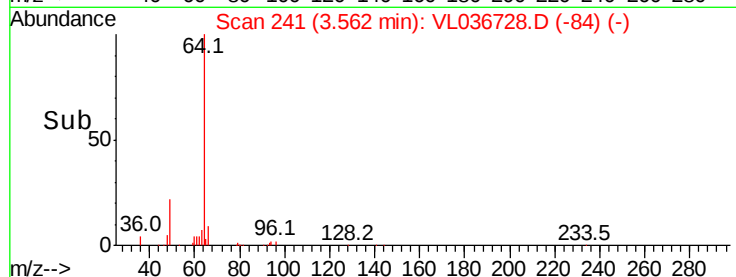
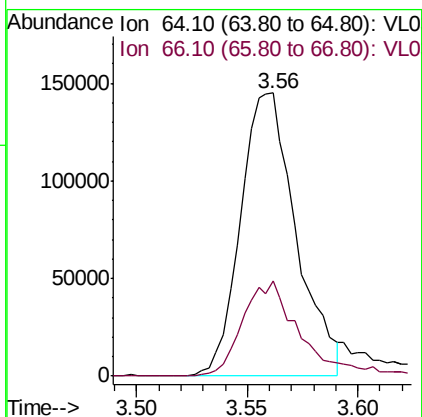
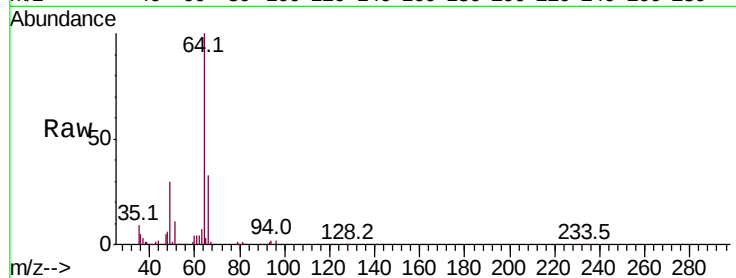
64 100

66 33.4 26.2 39.2

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#8

Dichlorotetrafluoroethane

Concen: 8.356 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL036728.D

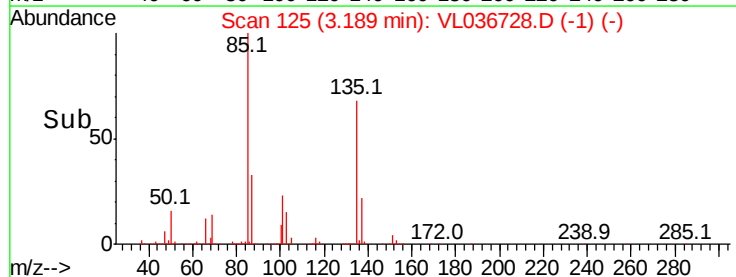
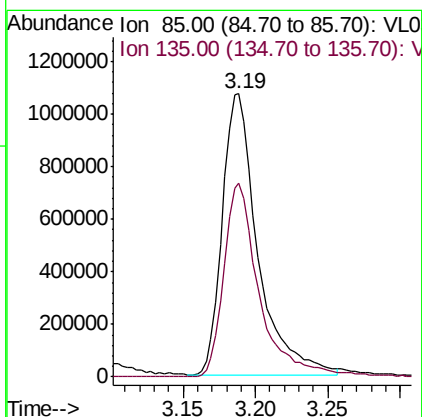
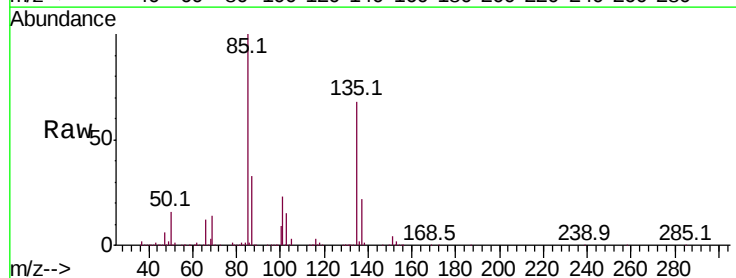
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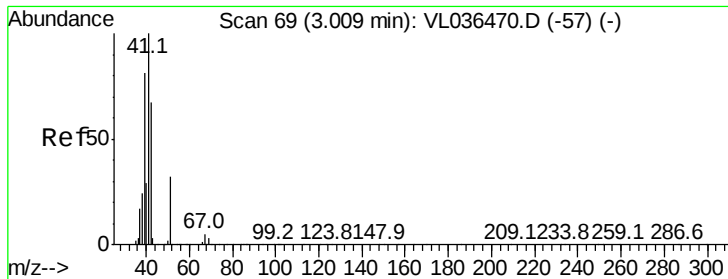
Tgt Ion: 85 Resp: 1811153

Ion Ratio Lower Upper

85 100

135 70.1 54.3 81.5





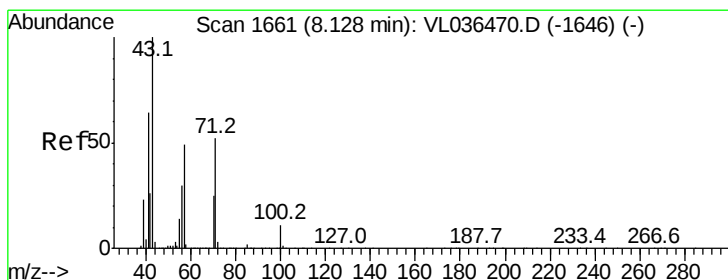
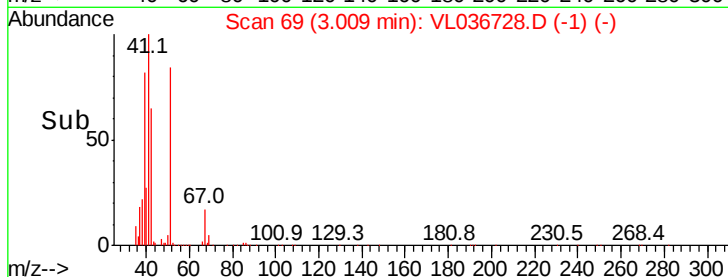
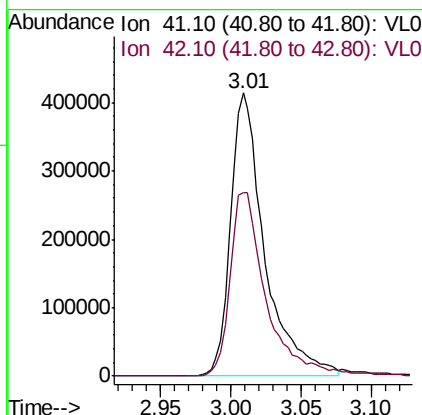
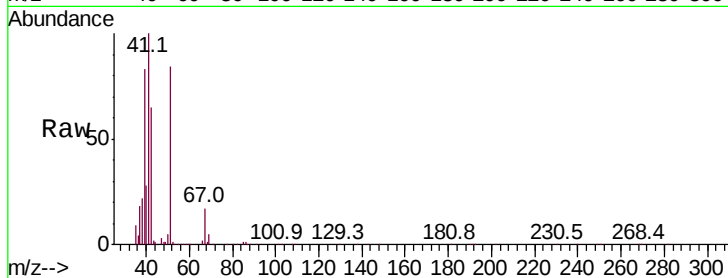
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Propene
Concen: 8.457 ppbv
RT: 3.01 min Scan# 69
Delta R.T. -0.00 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion: 41 Resp: 701382
Ion Ratio Lower Upper
41 100
42 69.0 57.0 85.4

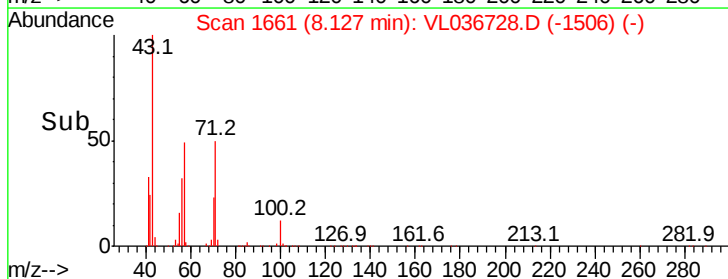
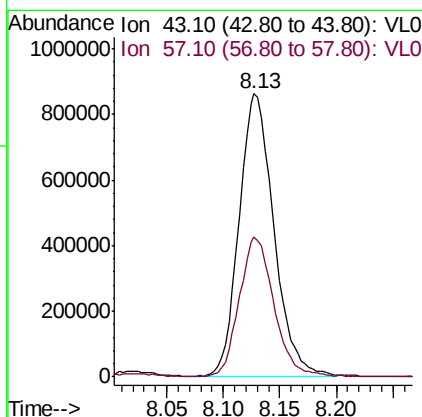
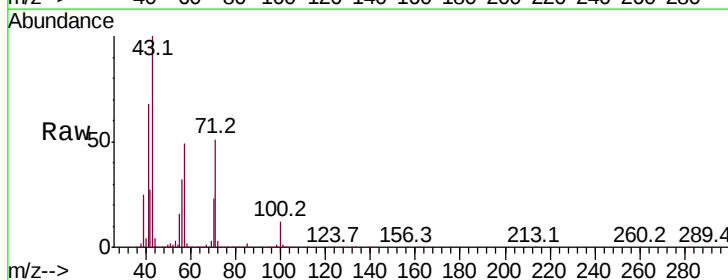
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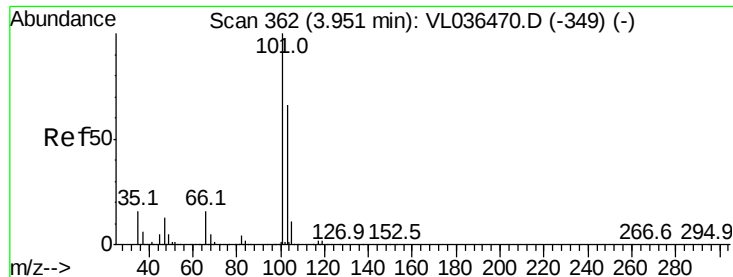
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#10
Heptane
Concen: 8.751 ppbv
RT: 8.13 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Tgt Ion: 43 Resp: 1849019
Ion Ratio Lower Upper
43 100
57 49.5 39.0 58.6





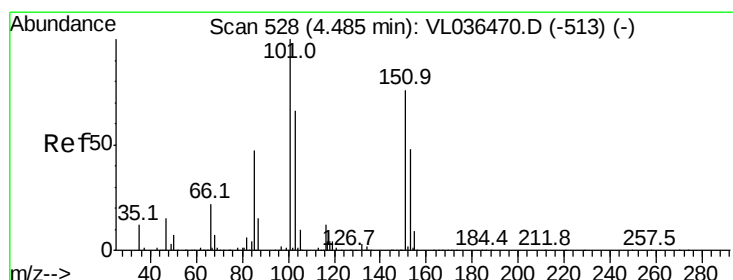
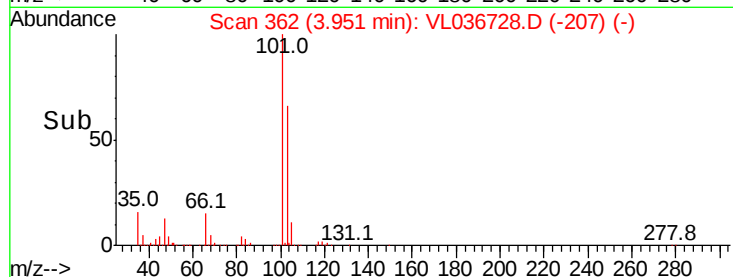
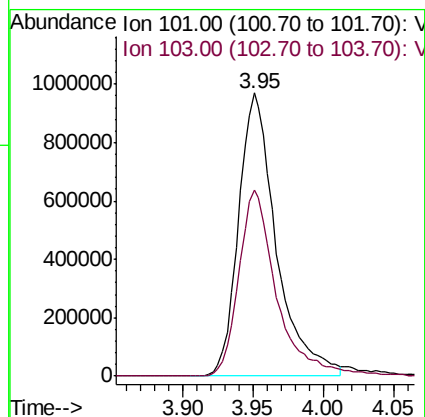
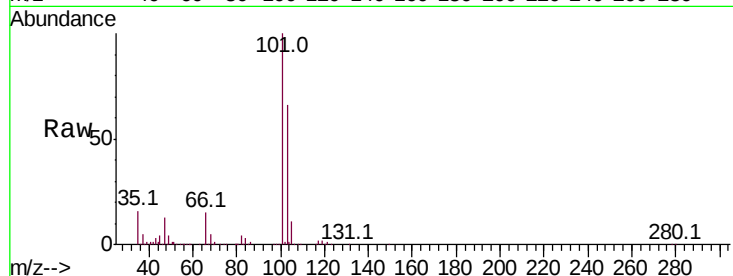
#11
 Trichlorofluoromethane
 Concen: 7.857 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.00 min
 Lab File: VL036728.D
 Acq: 7 Apr 2021 15:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Tot Ion:101 Resp: 1818513
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.5 78.7

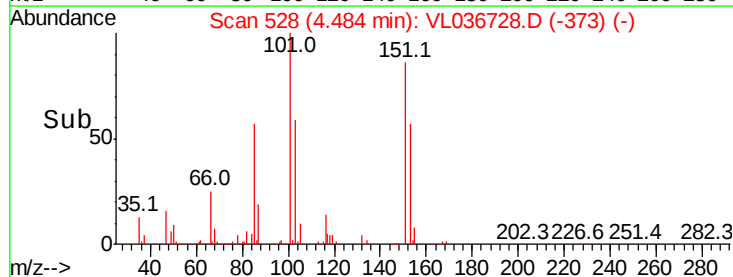
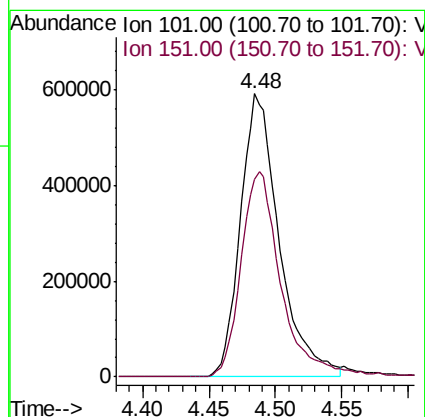
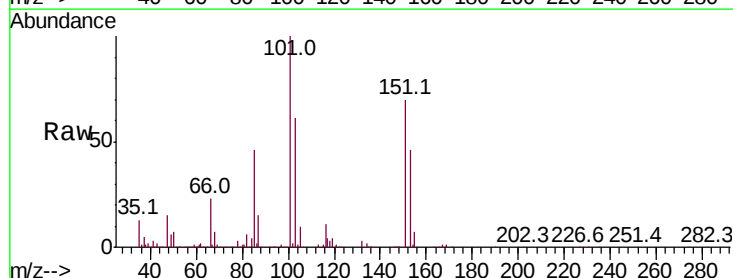
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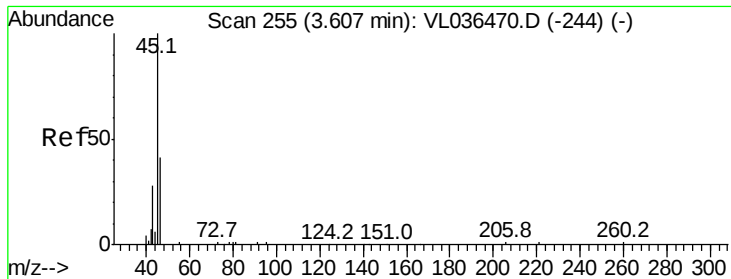
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.141 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VL036728.D
 Acq: 7 Apr 2021 15:27

Tgt Ion:101 Resp: 1204759
 Ion Ratio Lower Upper
 101 100
 151 75.3 60.9 91.3





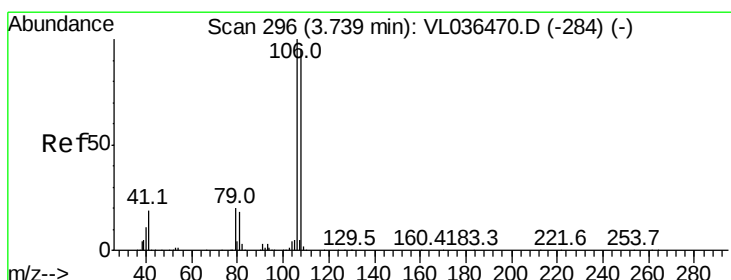
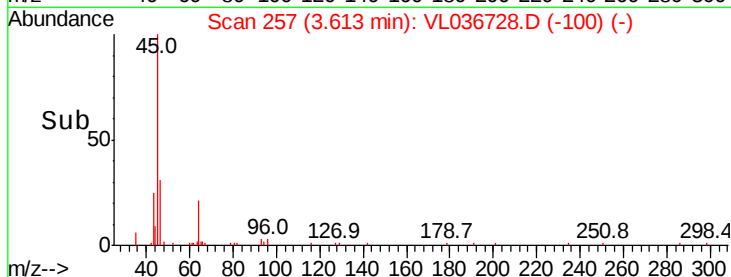
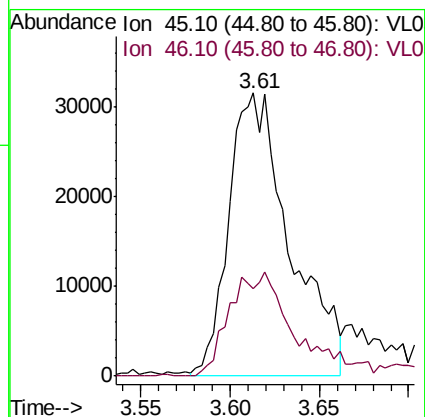
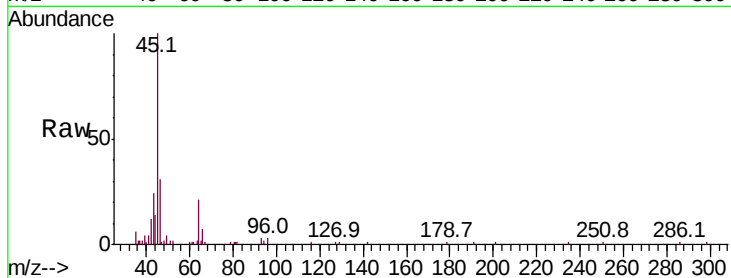
#13
Ethanol
Concen: 7.585 ppbv m
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.6	66.2#

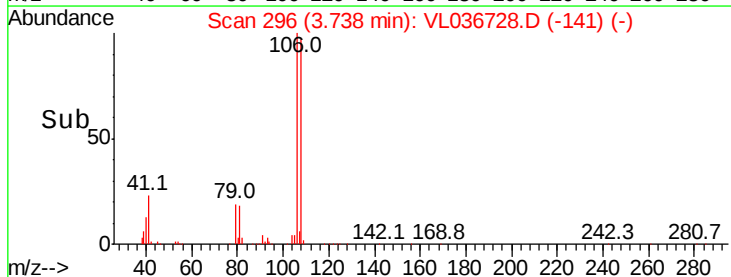
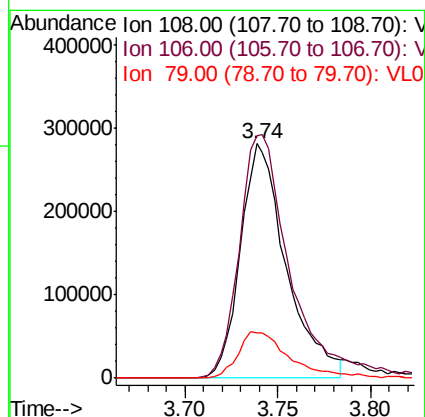
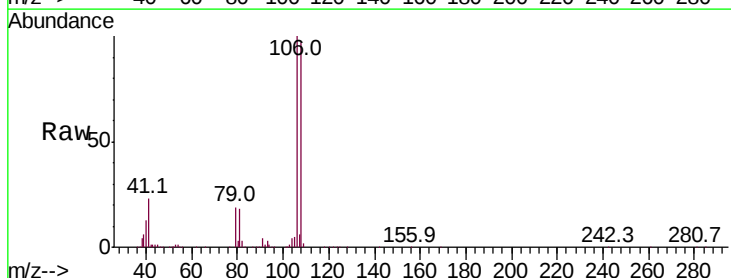
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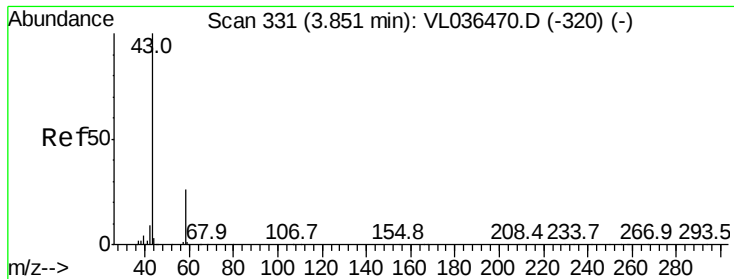
MMDadoda
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#14
Bromoethene
Concen: 7.847 ppbv
RT: 3.74 min Scan# 296
Delta R.T. -0.00 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Tgt Ion	Ratio	Lower	Upper
108	100		
106	117.5	89.0	133.6
79	23.2	16.6	25.0





#15

Acetone

Concen: 7.202 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL036728.D

Acq: 7 Apr 2021 15:27

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion: 43 Resp: 986976

Ion Ratio Lower Upper

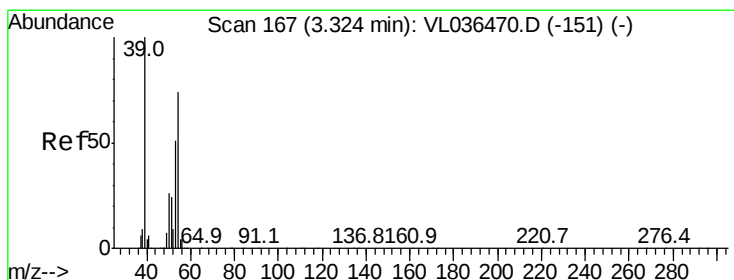
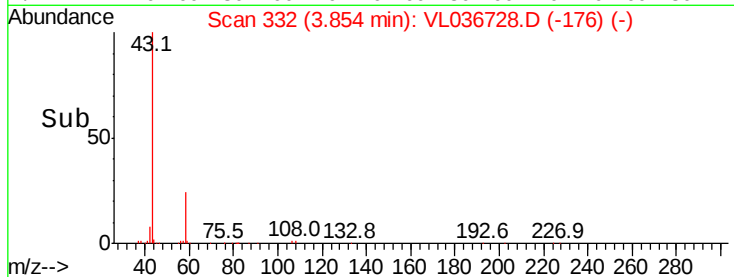
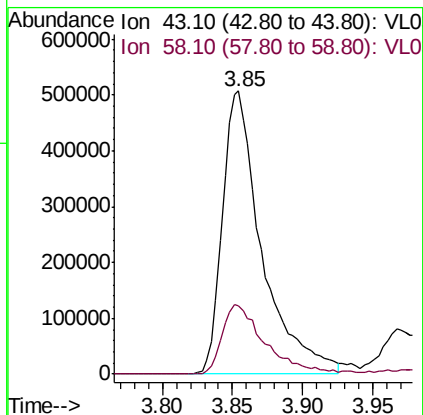
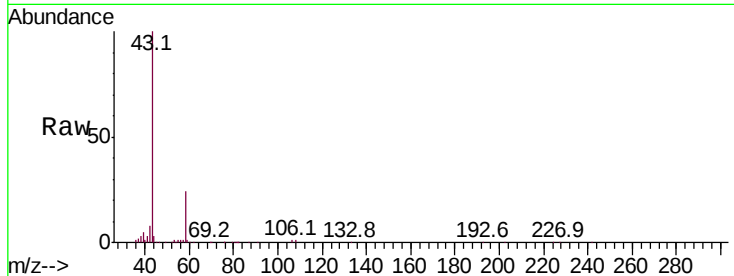
43 100

58 26.8 21.2 31.8

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#16

1,3-Butadiene

Concen: 8.511 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL036728.D

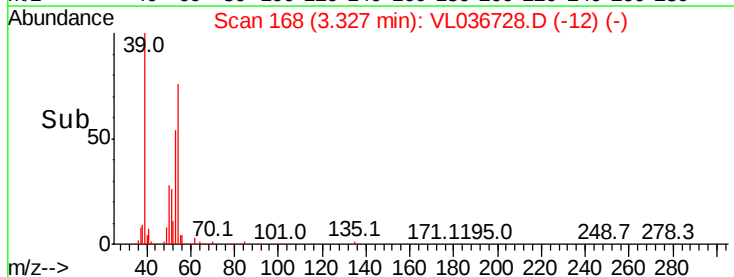
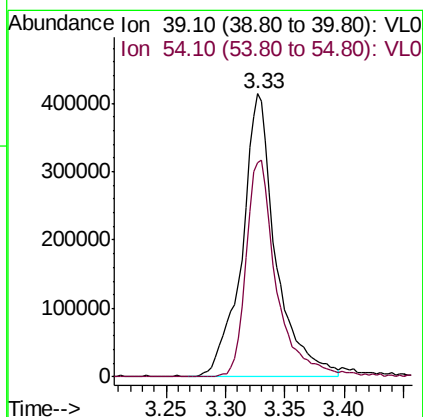
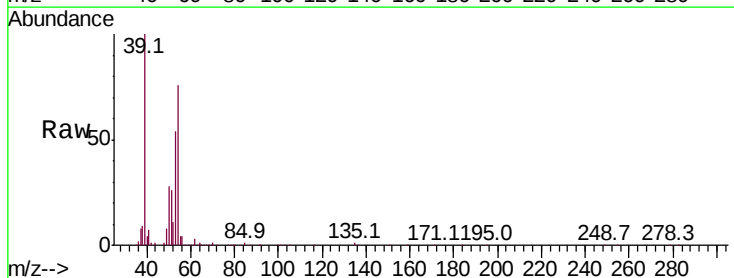
Acq: 7 Apr 2021 15:27

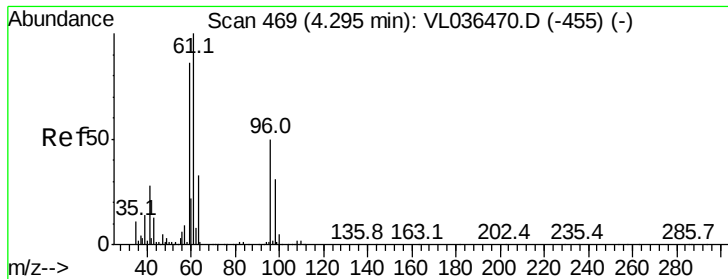
Tgt Ion: 39 Resp: 812039

Ion Ratio Lower Upper

39 100

54 69.6 58.8 88.2





#17

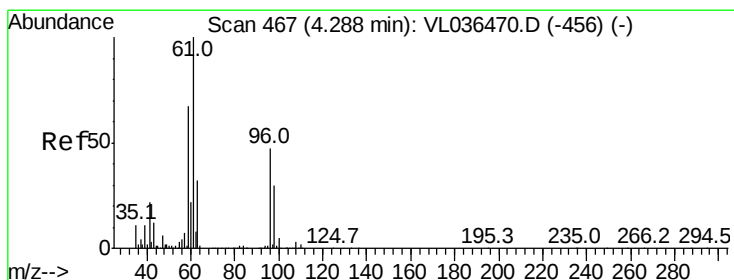
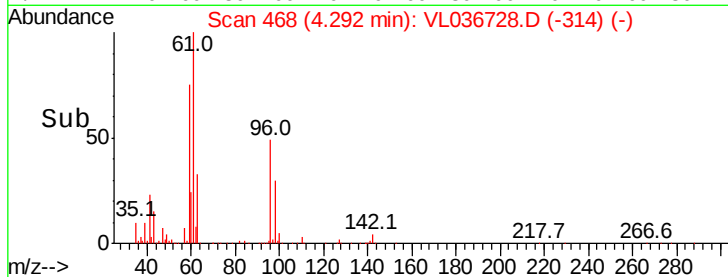
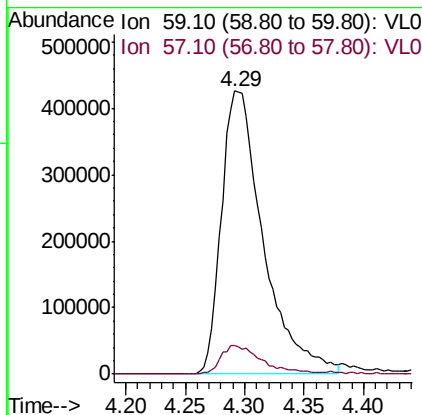
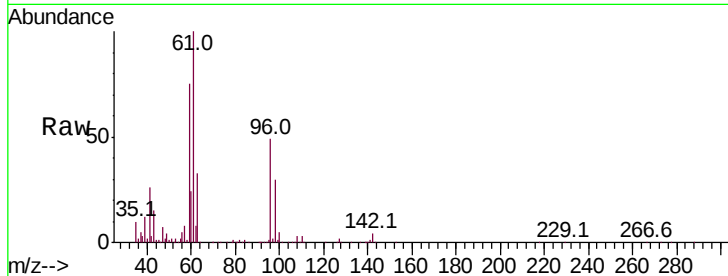
tert-Butyl alcohol
Concen: 8.717 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.00 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion: 59 Resp: 1039911
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8

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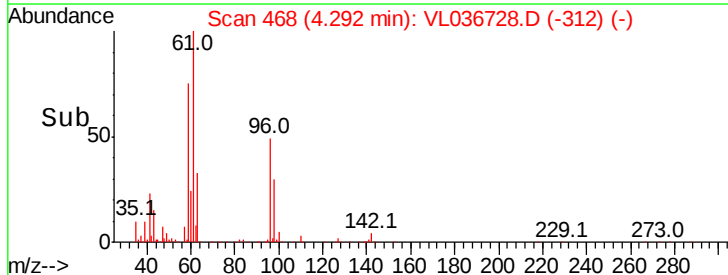
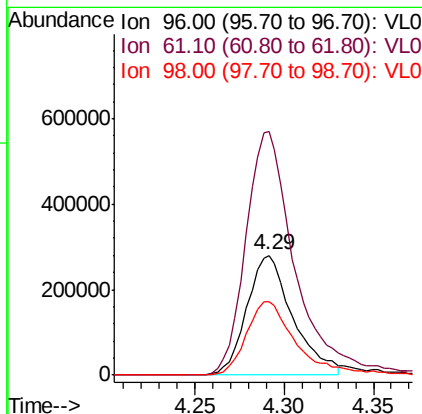
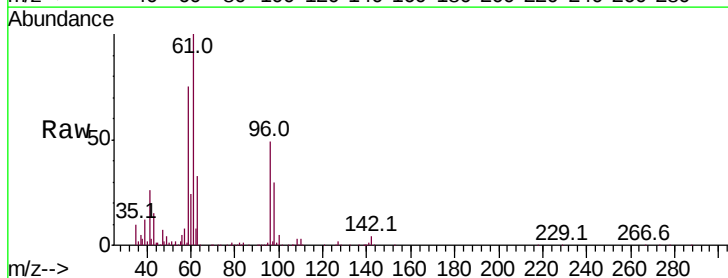
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4/12/2021 11:15:28 AM

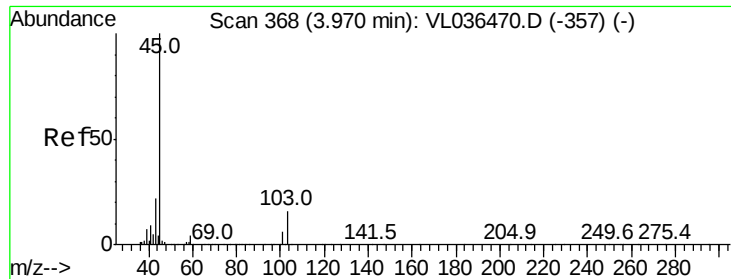


#18

1,1-Dichloroethene
Concen: 7.679 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.00 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Tgt Ion: 96 Resp: 505471
Ion Ratio Lower Upper
96 100
61 203.5 168.6 253.0
98 61.6 50.8 76.2





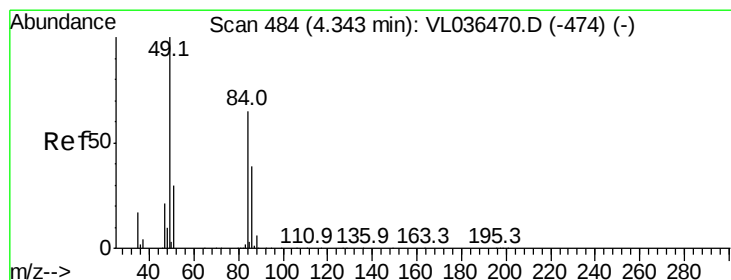
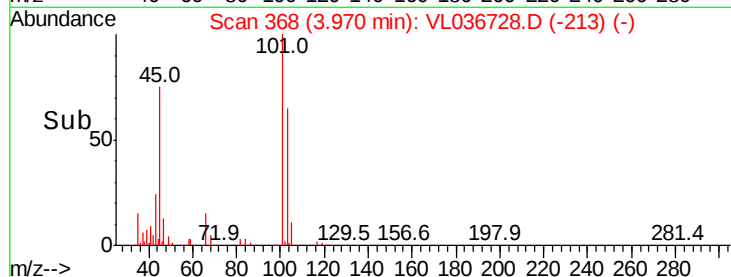
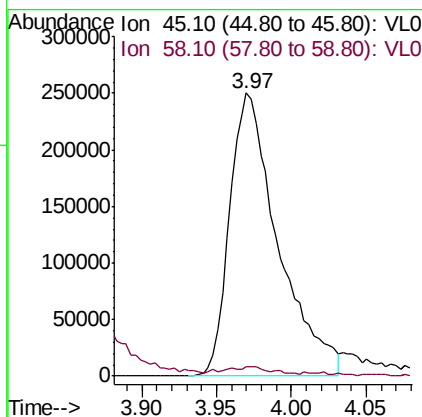
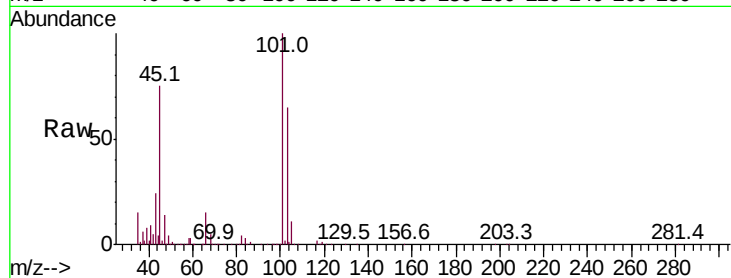
#19
Isopropyl Alcohol
Concen: 7.468 ppbv
RT: 3.97 min Scan# 368
Delta R.T. -0.00 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	4.2	2.9	4.3

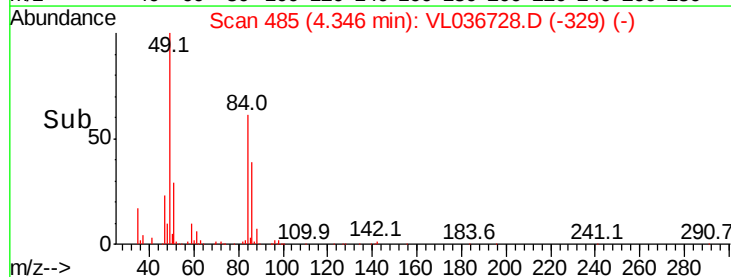
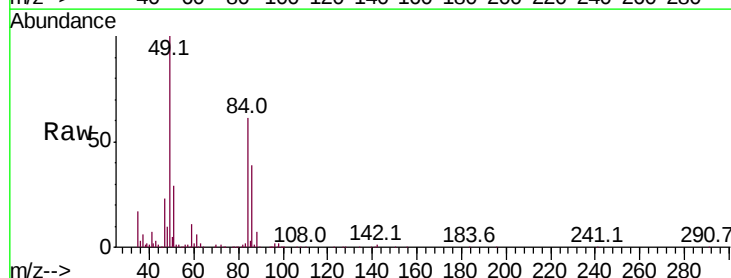
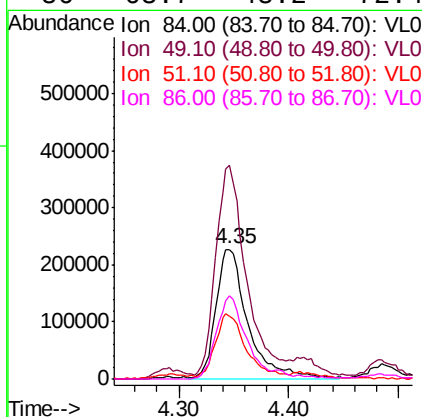
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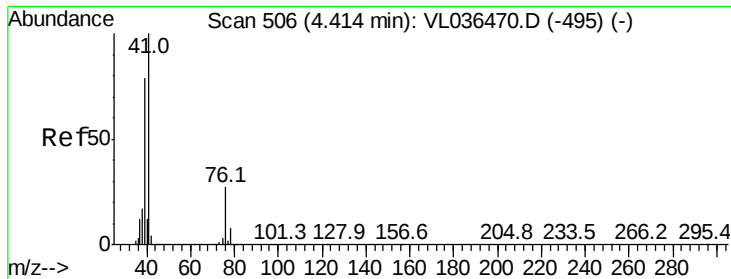
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#20
Methylene Chloride
Concen: 7.220 ppbv m
RT: 4.35 min Scan# 485
Delta R.T. 0.00 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	164.8	122.9	184.3
51	48.2	36.9	55.3
86	63.7	48.2	72.4





#21

Allvl Chloride

Concen: 7.801 ppbv

RT: 4.41 min Scan# 506

Delta R.T. -0.00 min

Lab File: VL036728.D

Acq: 7 Apr 2021 15:27

Instrument :

MSVOA_L

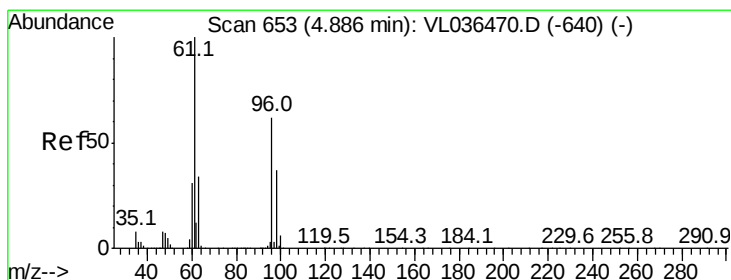
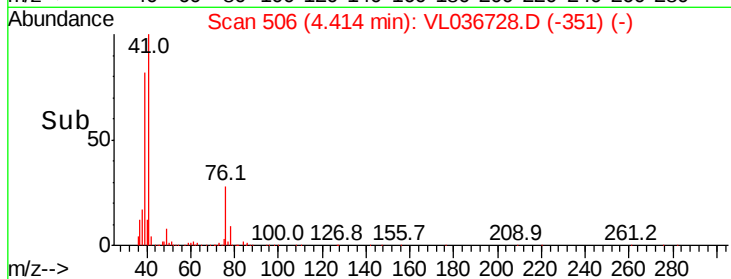
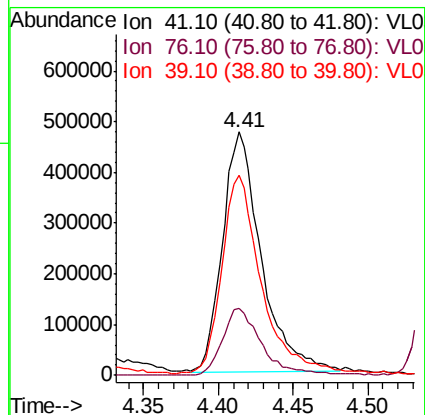
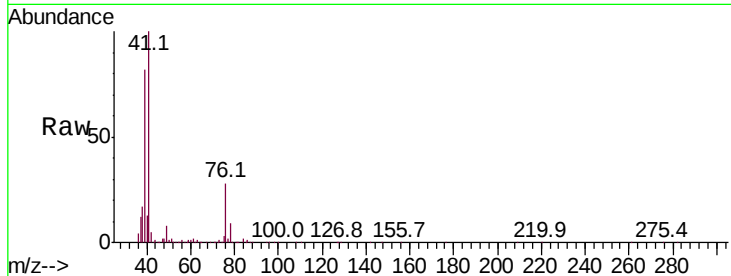
ClientSampleId :

VL0407ABS01

Tot Ion:	41	Resp:	852299
Ion Ratio		Lower	Upper
41	100		
76	28.4	22.9	34.3
39	85.2	67.3	100.9

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#22

trans-1,2-Dichloroethene

Concen: 7.940 ppbv

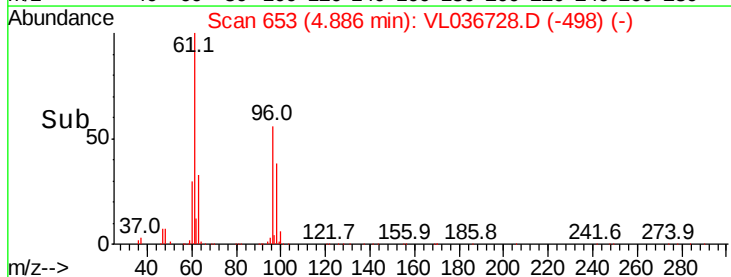
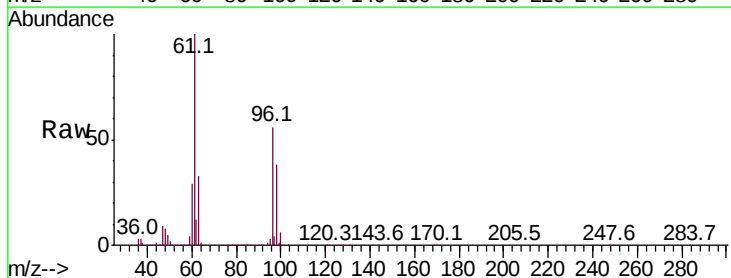
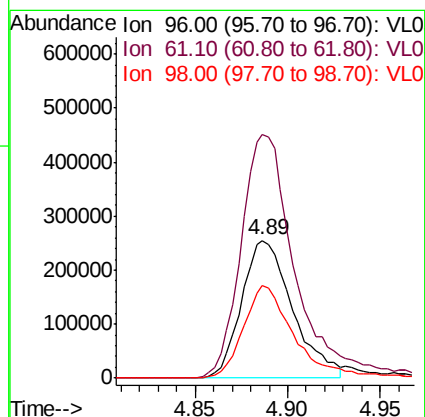
RT: 4.89 min Scan# 653

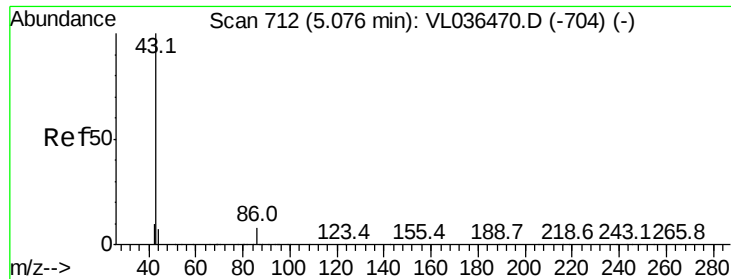
Delta R.T. -0.00 min

Lab File: VL036728.D

Acq: 7 Apr 2021 15:27

Tgt Ion:	96	Resp:	484526
Ion Ratio		Lower	Upper
96	100		
61	177.1	129.4	194.0
98	67.1	48.2	72.4





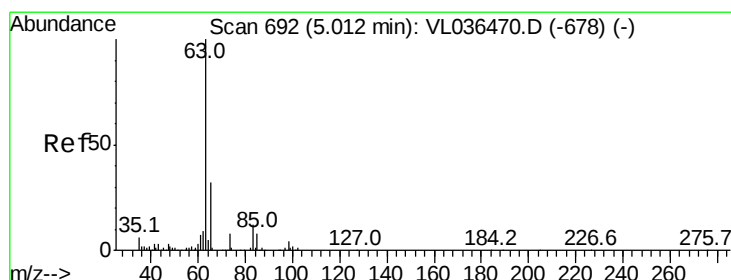
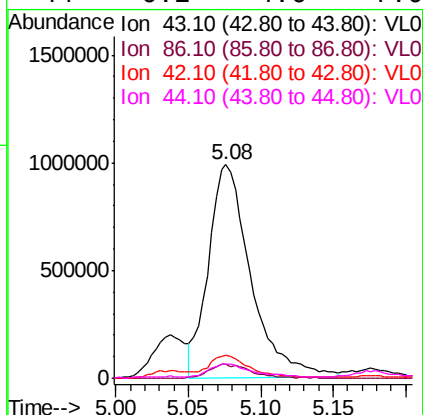
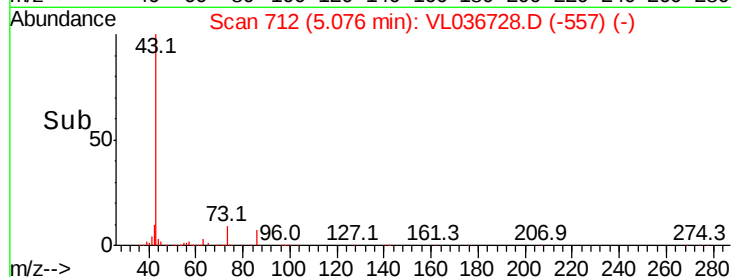
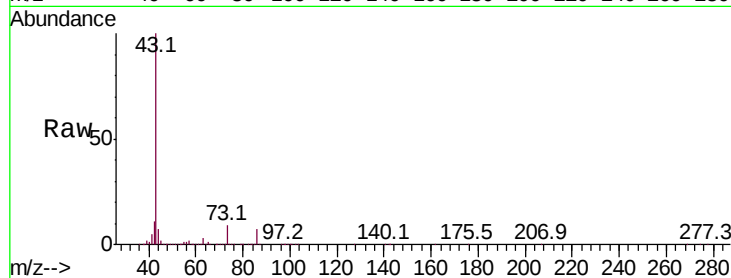
#23
 Vinyl Acetate
 Concen: 8.524 ppbv
 RT: 5.08 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VL036728.D
 Acq: 7 Apr 2021 15:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	6.6	5.4	8.0	
42	10.2	8.5	12.7	
44	6.2	4.6	7.0	

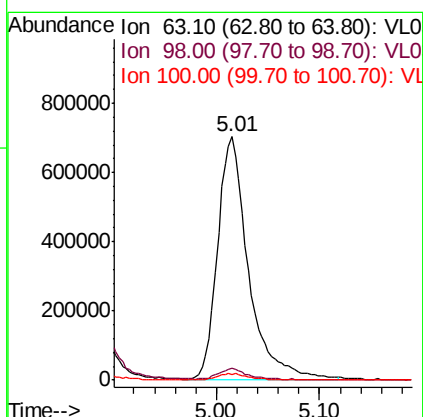
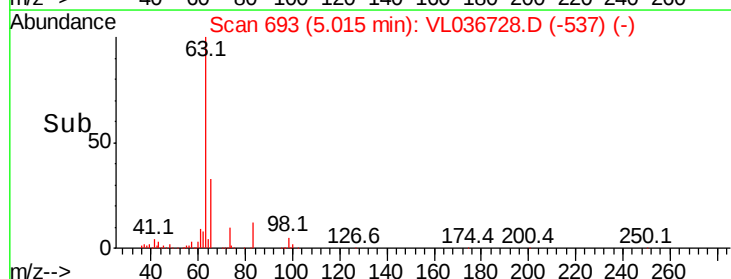
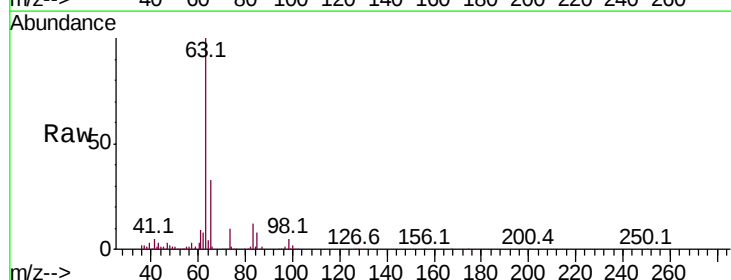
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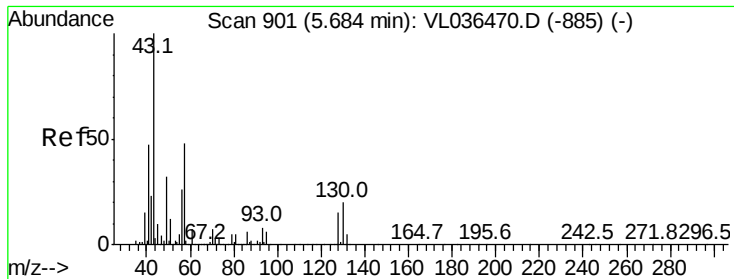
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#24
 1,1-Dichloroethane
 Concen: 8.485 ppbv
 RT: 5.01 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VL036728.D
 Acq: 7 Apr 2021 15:27

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	4.6	2.1	6.2	
100	2.3	0.9	2.8	





#25

Ethyl Acetate

Concen: 8.290 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

Lab File: VL036728.D

Acq: 7 Apr 2021 15:27

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion: 43 Resp: 2700954

Ion Ratio Lower Upper

43 100

45 9.7 7.9 11.9

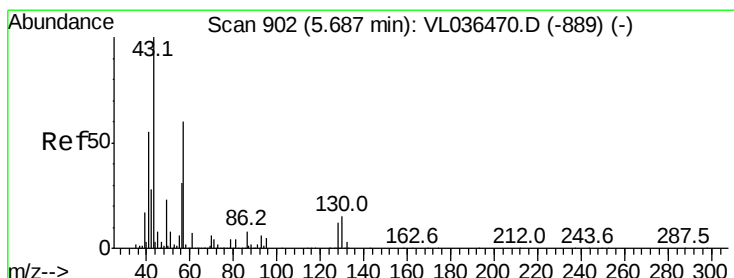
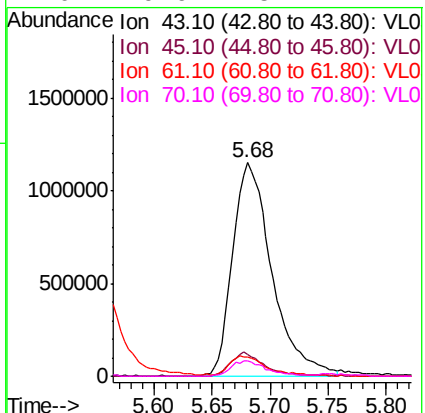
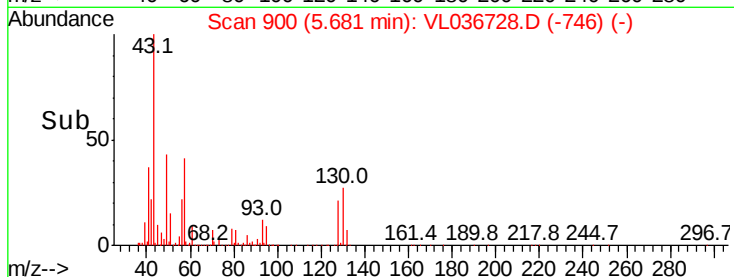
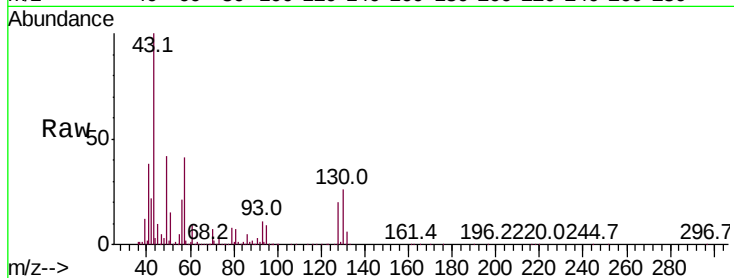
61 9.3 7.4 11.2

70 6.6 5.1 7.7

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#26

Hexane

Concen: 8.556 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.00 min

Lab File: VL036728.D

Acq: 7 Apr 2021 15:27

Tgt Ion: 57 Resp: 1293631

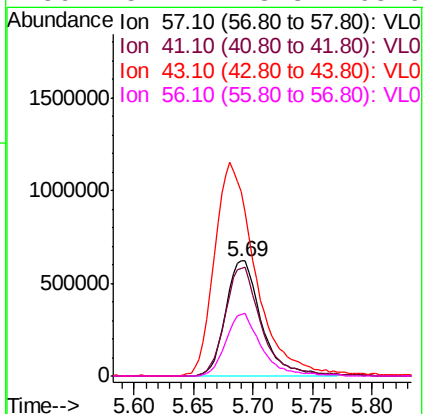
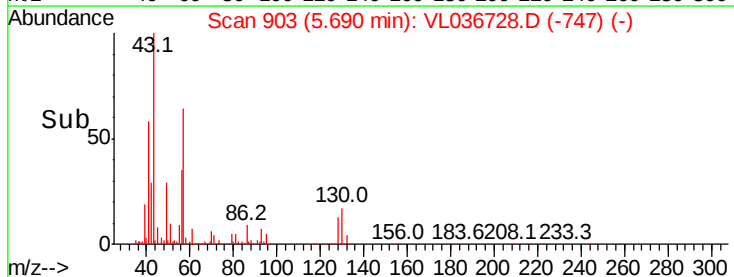
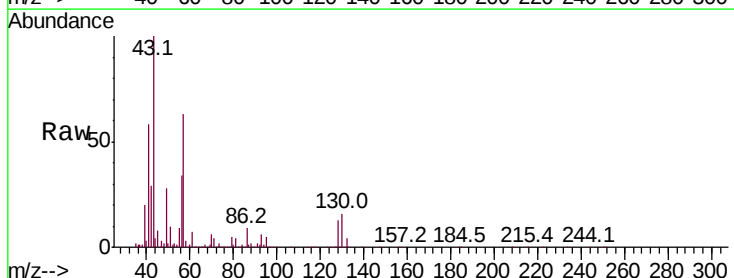
Ion Ratio Lower Upper

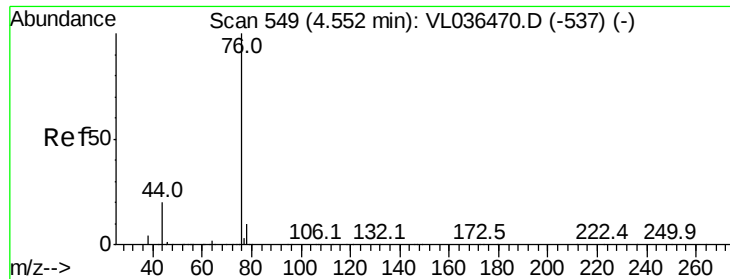
57 100

41 96.8 77.2 115.8

43 213.7 173.8 260.6

56 54.4 43.8 65.6





#27

Carbon Disulfide

Concen: 8.620 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.00 min

Lab File: VL036728.D

Acq: 7 Apr 2021 15:27

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion: 76 Resp: 1283968

Ion Ratio Lower Upper

76 100

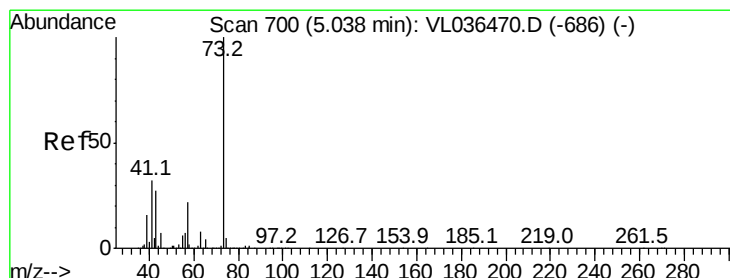
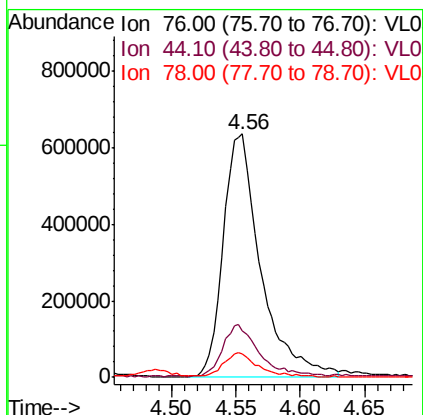
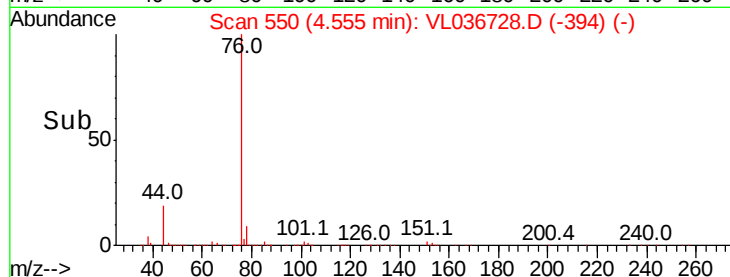
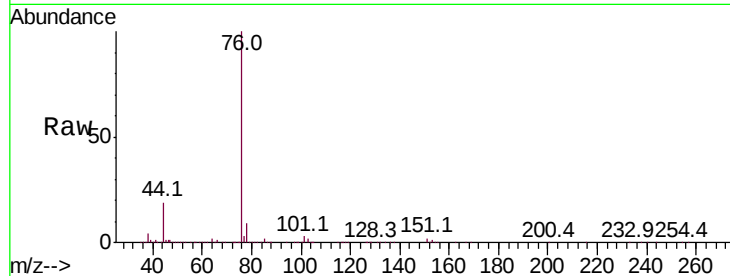
44 21.3 17.5 26.3

78 10.1 8.6 13.0

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#28

Methyl tert-Butyl Ether

Concen: 7.902 ppbv

RT: 5.04 min Scan# 700

Delta R.T. -0.00 min

Lab File: VL036728.D

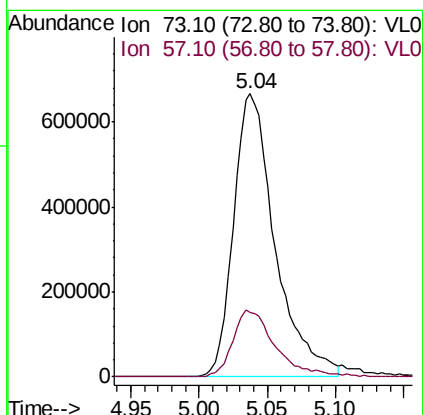
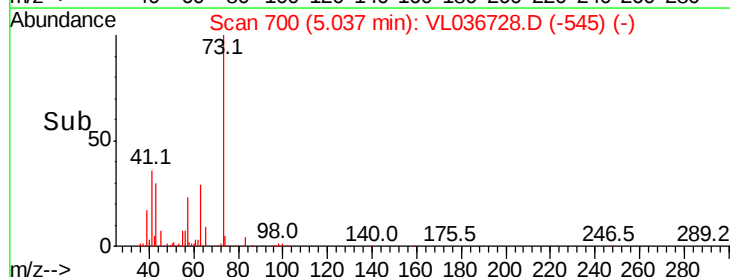
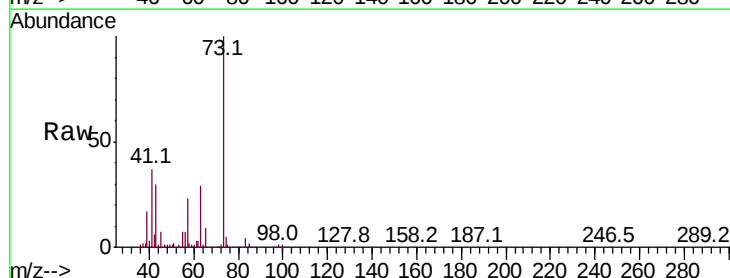
Acq: 7 Apr 2021 15:27

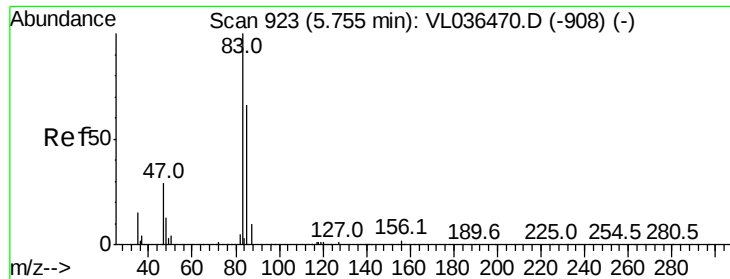
Tgt Ion: 73 Resp: 1409013

Ion Ratio Lower Upper

73 100

57 24.3 18.5 27.7





#29

Chloroform

Concen: 8.581 ppbv

RT: 5.76 min Scan# 924

Delta R.T. 0.00 min

Lab File: VL036728.D

Acq: 7 Apr 2021 15:27

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion: 83 Resp: 2075102

Ion Ratio Lower Upper

83 100

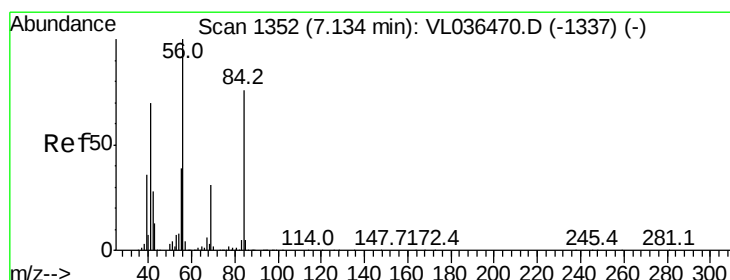
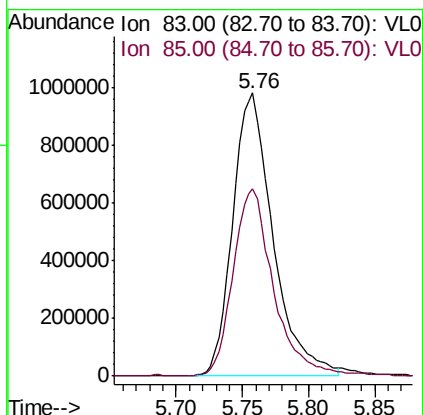
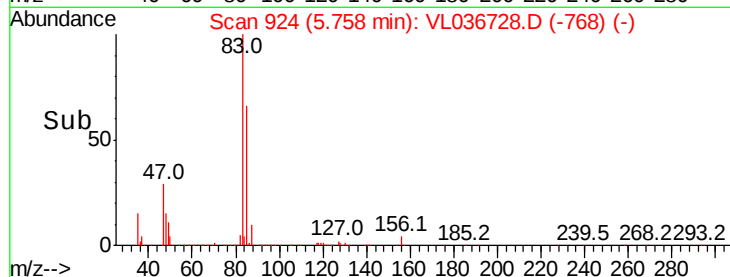
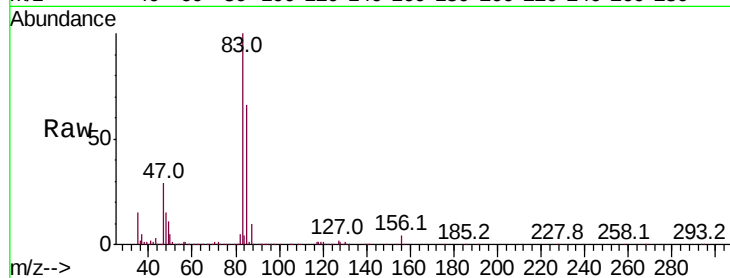
85 66.0 52.6 78.8

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#30

Cyclohexane

Concen: 9.029 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. 0.00 min

Lab File: VL036728.D

Acq: 7 Apr 2021 15:27

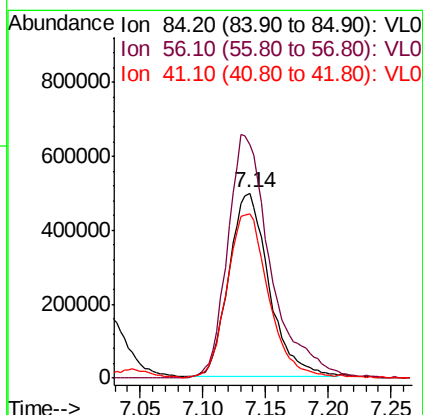
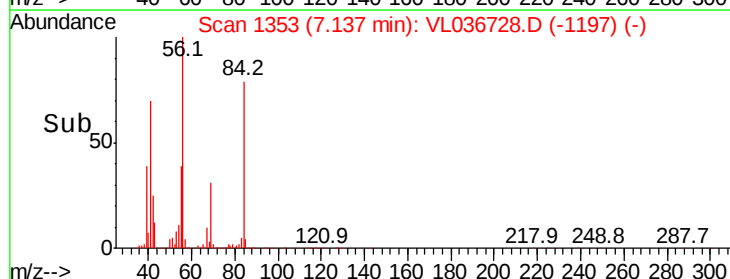
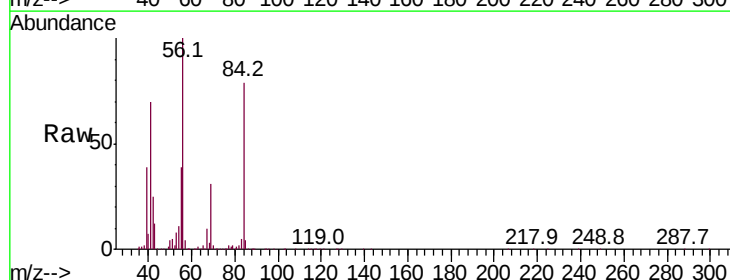
Tgt Ion: 84 Resp: 1107156

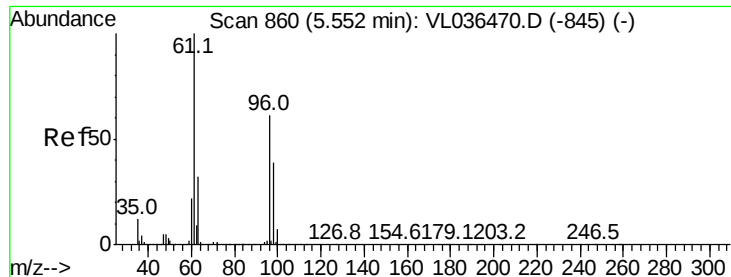
Ion Ratio Lower Upper

84 100

56 142.8 114.6 171.8

41 92.8 75.3 112.9





#31

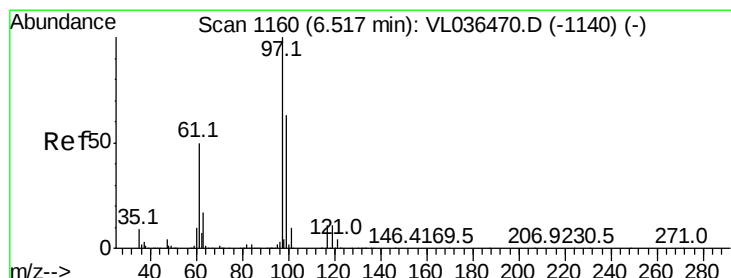
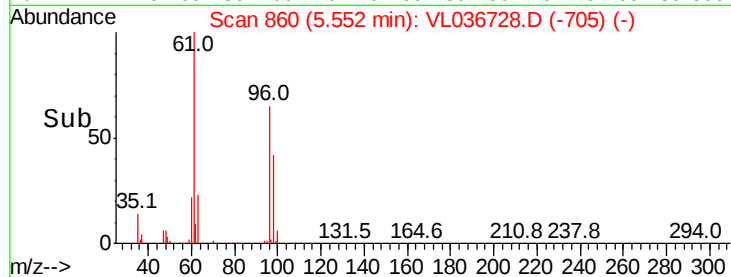
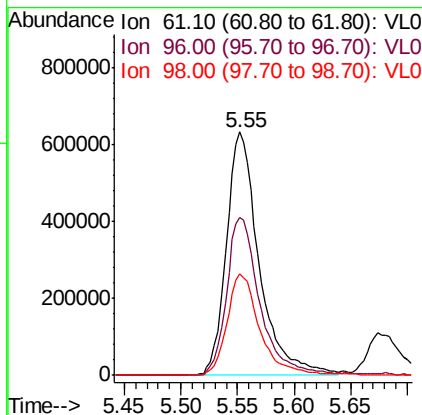
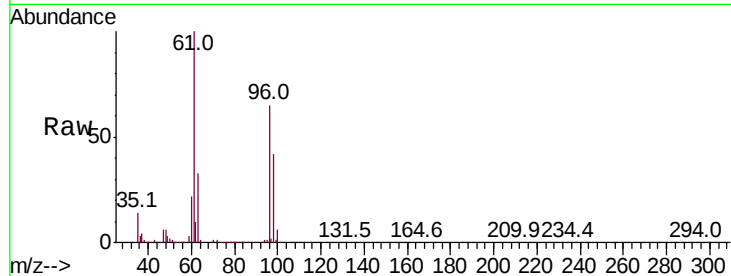
cis-1,2-Dichloroethene
Concen: 8.712 ppbv
RT: 5.55 min Scan# 860
Delta R.T. -0.00 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion: 61 Resp: 1274129
Ion Ratio Lower Upper
61 100
96 64.8 48.7 73.1
98 41.9 31.4 47.0

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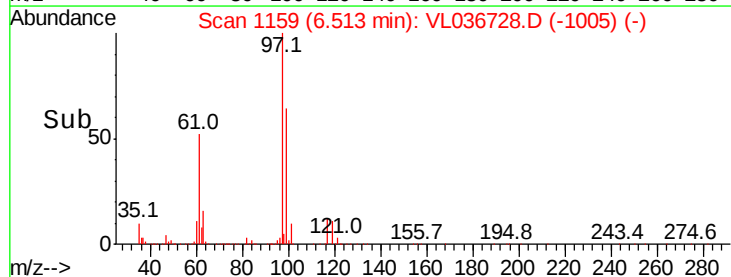
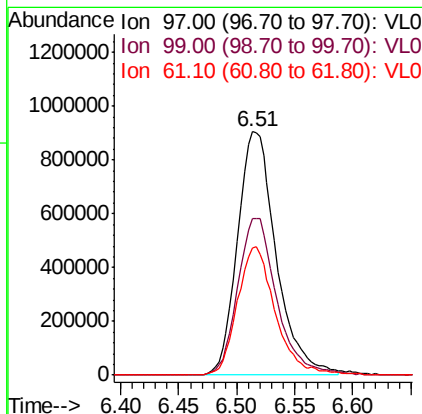
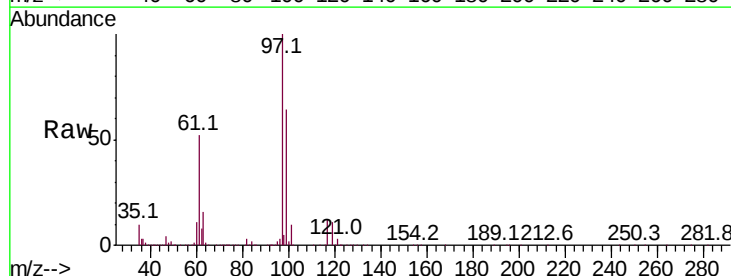
MMDadoda
4/12/2021 11:15:28 AM

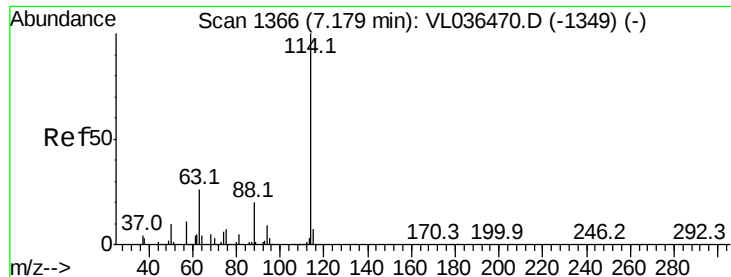


#32

1,1,1-Trichloroethane
Concen: 8.638 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Tgt Ion: 97 Resp: 2104938
Ion Ratio Lower Upper
97 100
99 65.2 51.4 77.0
61 51.9 40.6 60.8





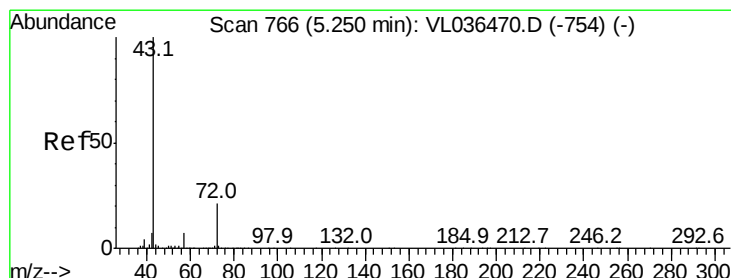
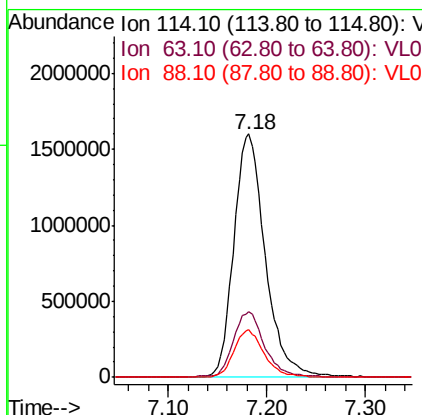
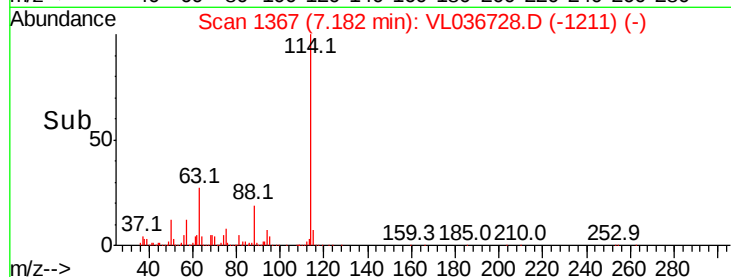
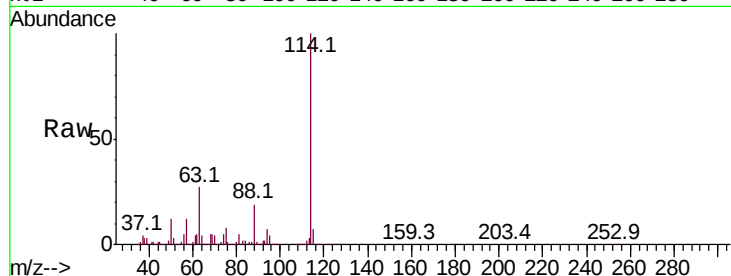
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VL036728.D
 Acq: 7 Apr 2021 15:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.3	22.4	33.6
88	18.8	15.4	23.0

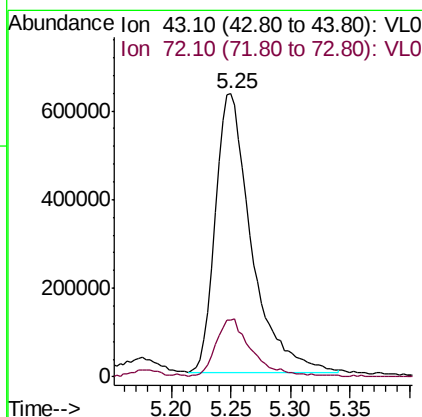
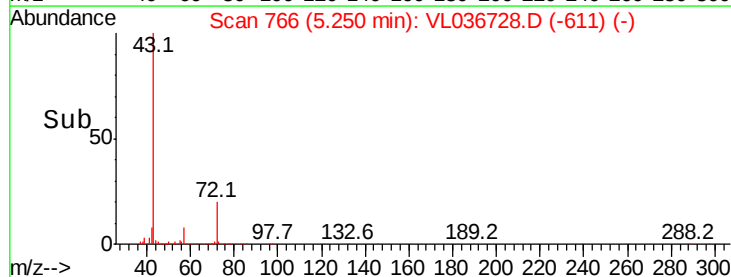
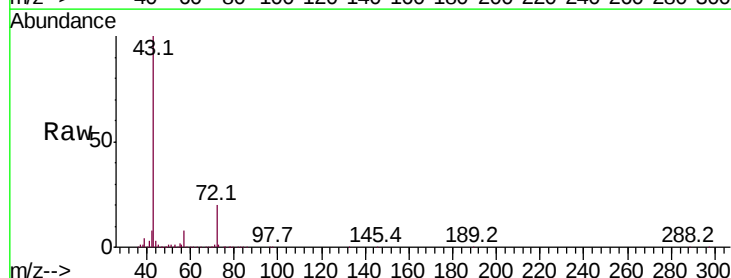
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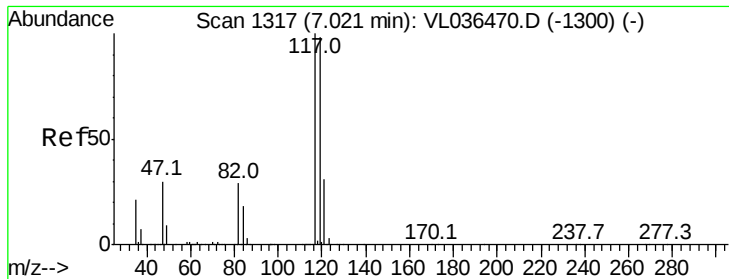
MMDadoda
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#34
 2-Butanone
 Concen: 7.680 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VL036728.D
 Acq: 7 Apr 2021 15:27

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.3	17.0	25.6





#35

Carbon Tetrachloride

Concen: 8.256 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VL036728.D

Acq: 7 Apr 2021 15:27

Instrument :

MSVOA_L

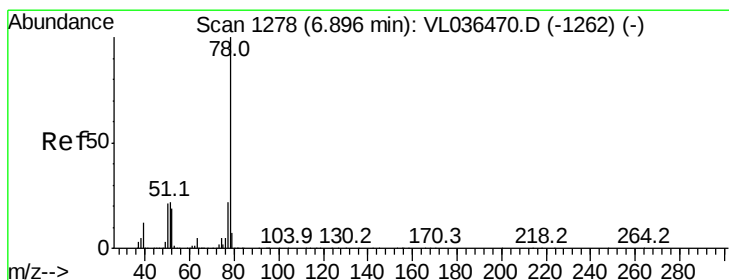
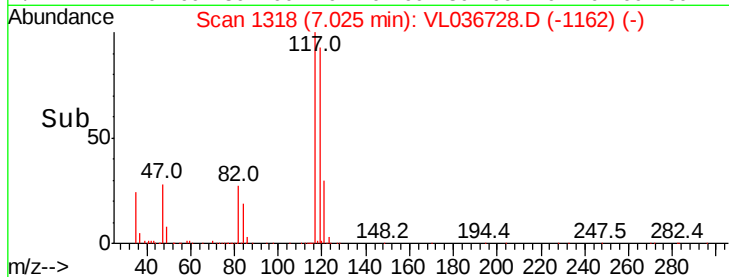
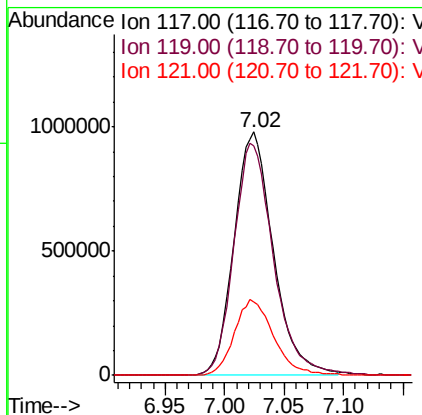
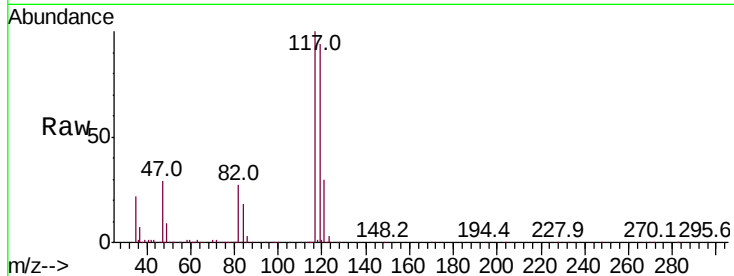
ClientSampleId :

VL0407ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.0	78.2	117.2
121	30.3	24.5	36.7

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#36

Benzene

Concen: 8.330 ppbv

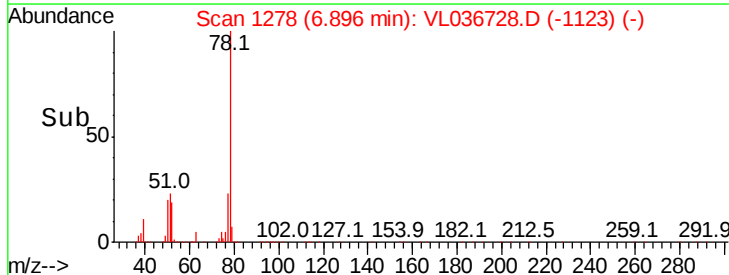
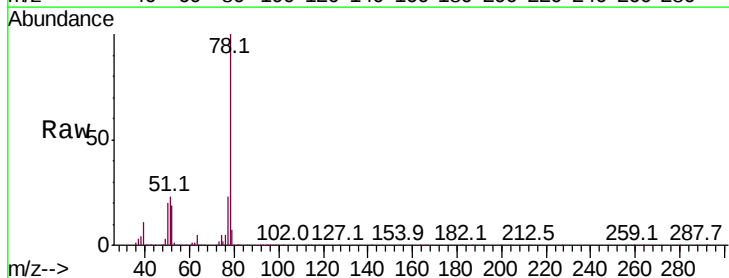
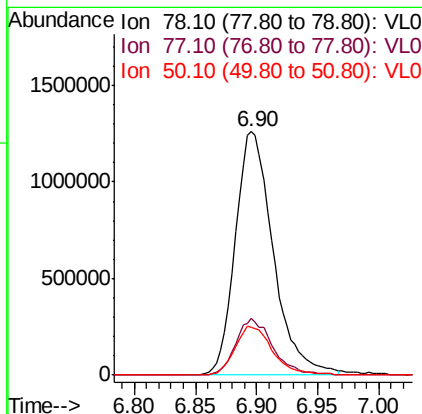
RT: 6.90 min Scan# 1278

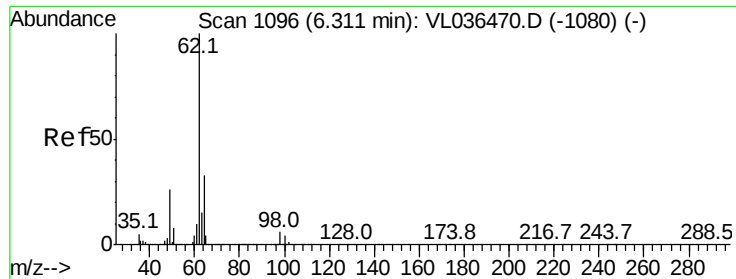
Delta R.T. -0.00 min

Lab File: VL036728.D

Acq: 7 Apr 2021 15:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.0	27.0
50	19.8	16.5	24.7





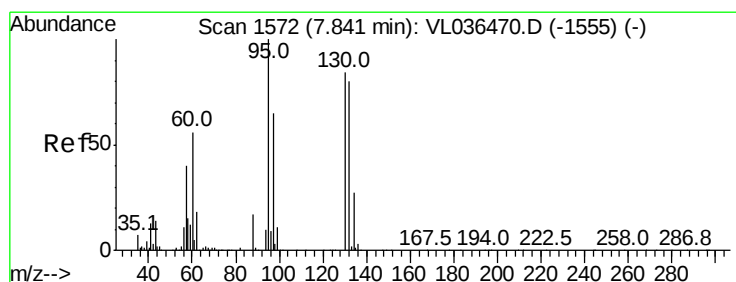
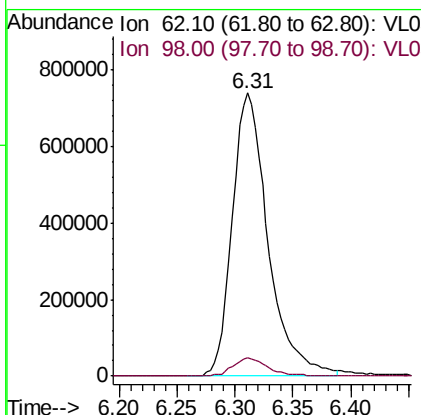
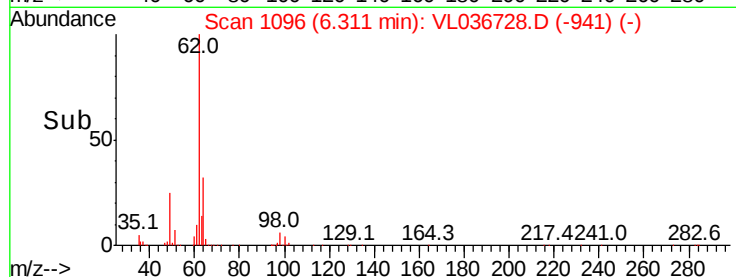
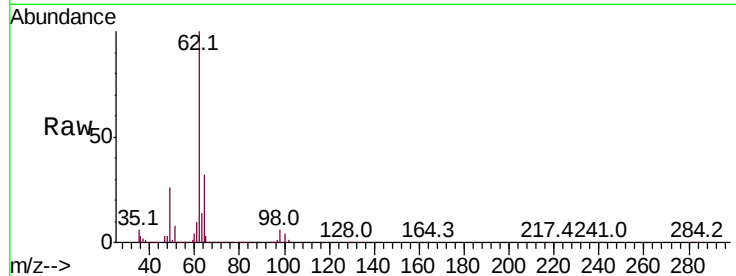
#37
 1,2-Dichloroethane
 Concen: 8.257 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. -0.00 min
 Lab File: VL036728.D
 Acq: 7 Apr 2021 15:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Tot Ion: 62 Resp: 1581775
 Ion Ratio Lower Upper
 62 100
 98 6.5 4.9 7.3

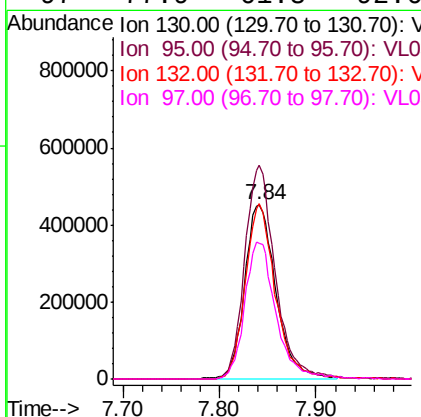
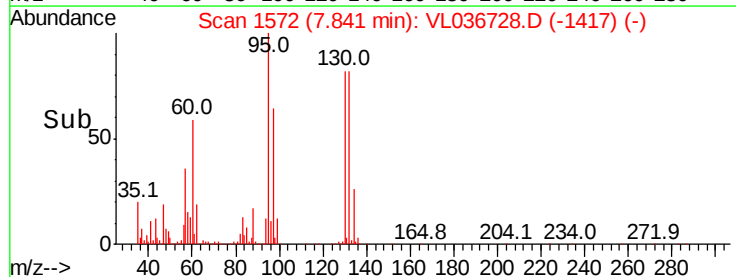
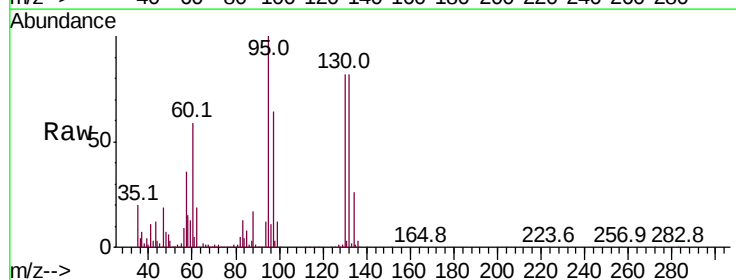
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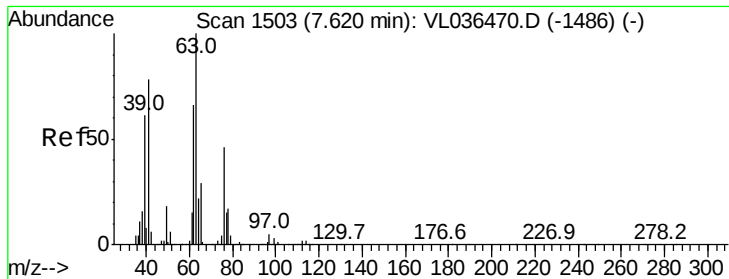
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#38
 Trichloroethene
 Concen: 8.053 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL036728.D
 Acq: 7 Apr 2021 15:27

Tgt Ion: 130 Resp: 1020082
 Ion Ratio Lower Upper
 130 100
 95 122.4 95.7 143.5
 132 100.9 76.2 114.4
 97 77.9 61.8 92.6





#39

1,2-Dichloropropane

Concen: 8.092 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. -0.00 min

Lab File: VL036728.D

Acq: 7 Apr 2021 15:27

Instrument :
MSVOA_L

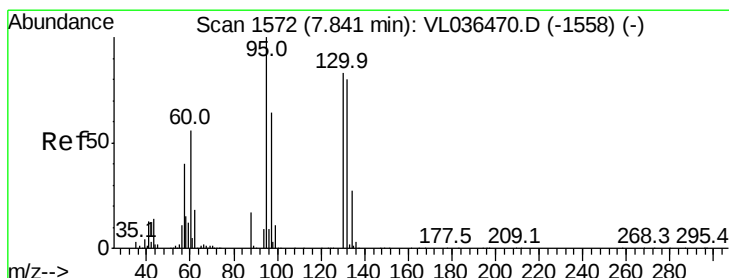
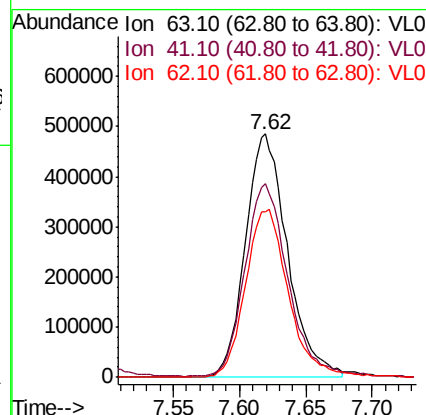
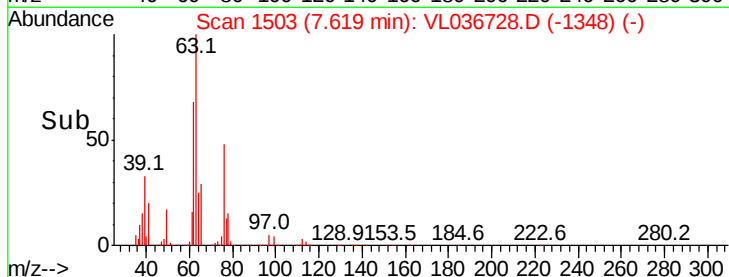
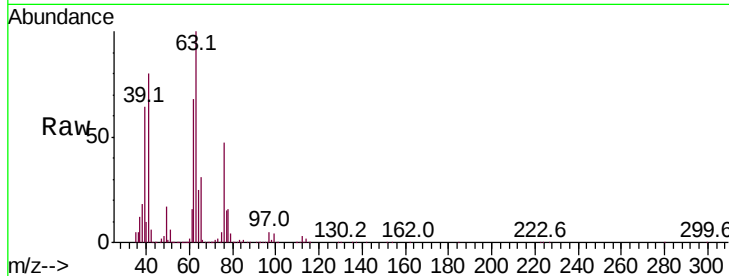
ClientSampleId :
VL0407ABS01

Tot Ion: 63 Resp: 1068445

Ion	Ratio	Lower	Upper
63	100		
41	79.2	62.4	93.6
62	67.9	52.8	79.2

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#40

1,4-Dioxane

Concen: 8.338 ppbv m

RT: 7.84 min Scan# 1572

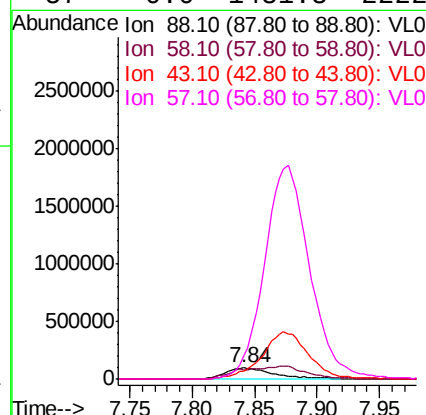
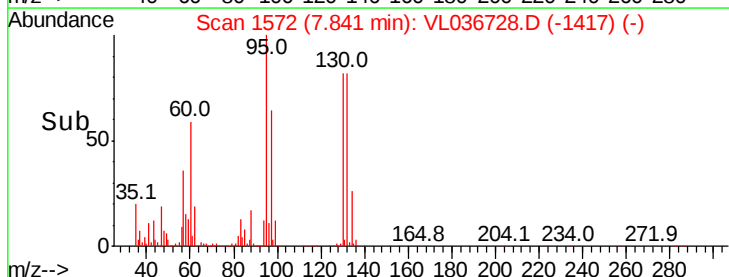
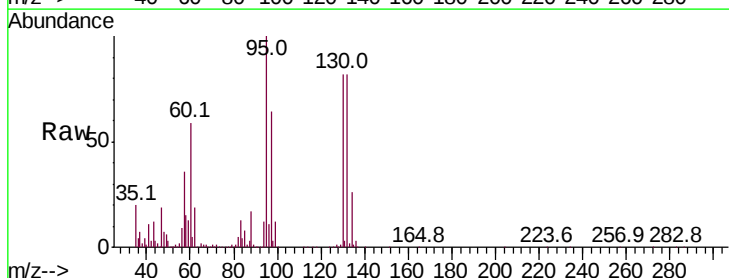
Delta R.T. -0.00 min

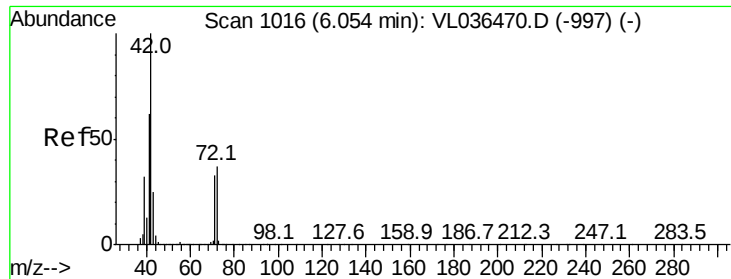
Lab File: VL036728.D

Acq: 7 Apr 2021 15:27

Tgt Ion: 88 Resp: 256228

Ion	Ratio	Lower	Upper
88	100		
58	0.0	134.1	201.1#
43	0.0	346.6	520.0#
57	0.0	1481.8	2222.8#





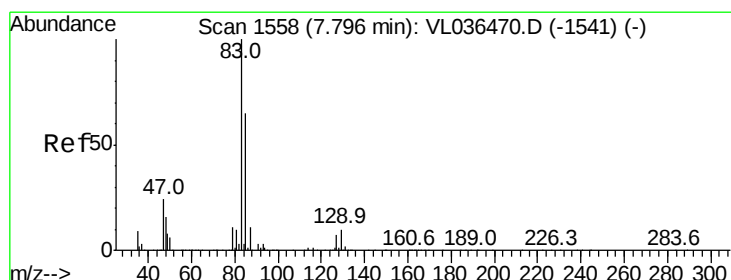
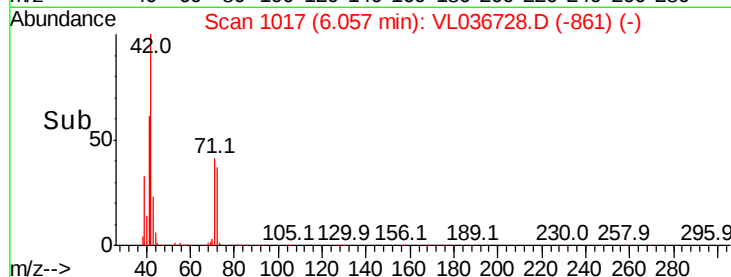
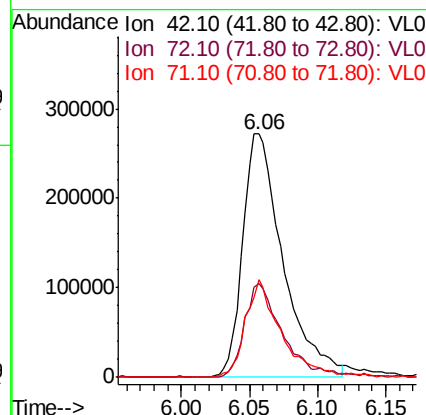
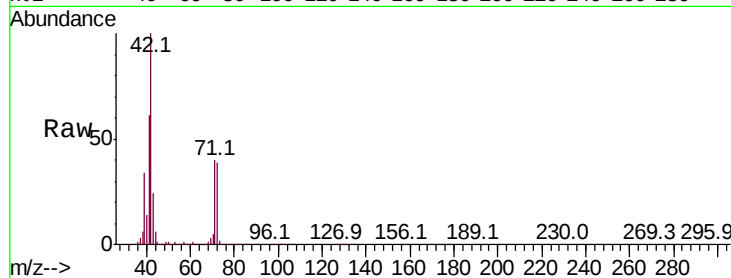
#41
Tetrahydrofuran
Concen: 7.011 ppbv
RT: 6.06 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.1	27.6	41.4
71	36.1	27.0	40.4

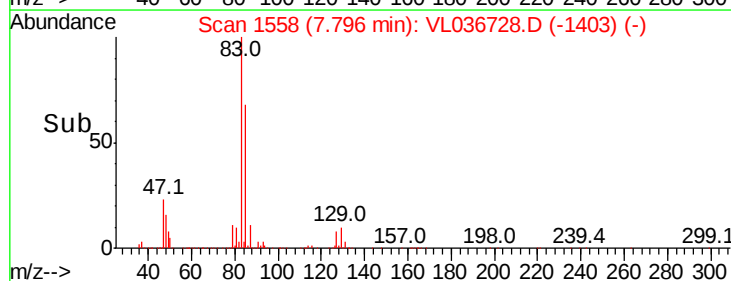
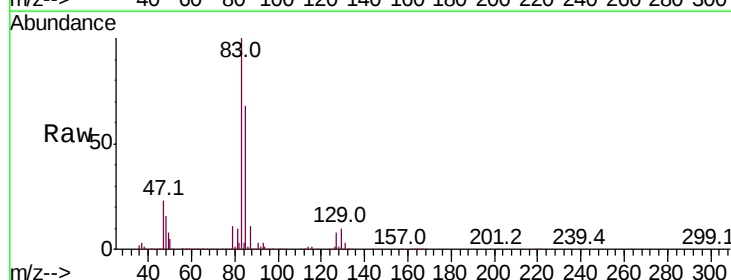
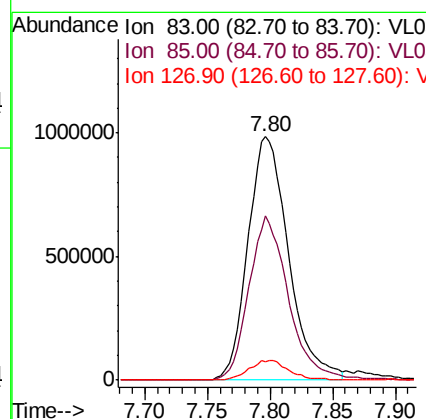
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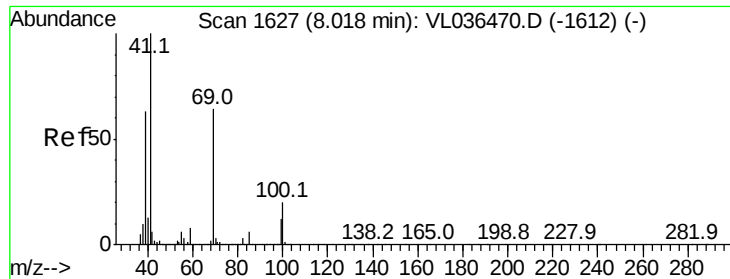
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#42
Bromodichloromethane
Concen: 8.540 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.6	51.8	77.6
127	7.5	5.8	8.8





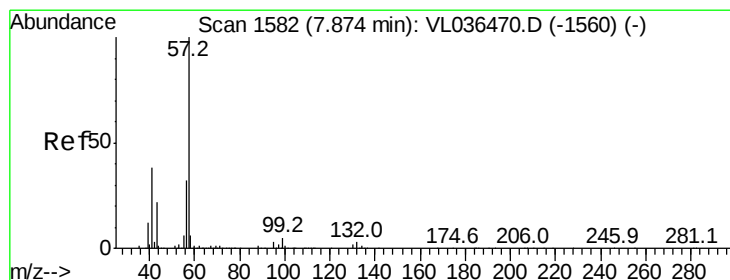
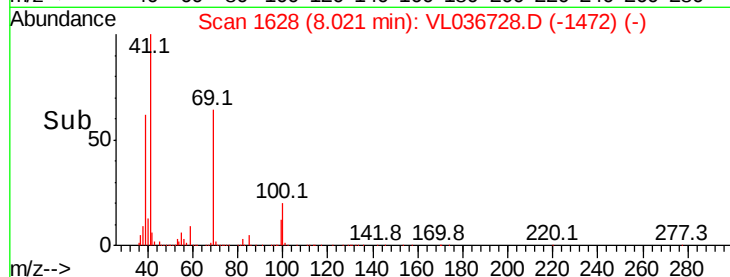
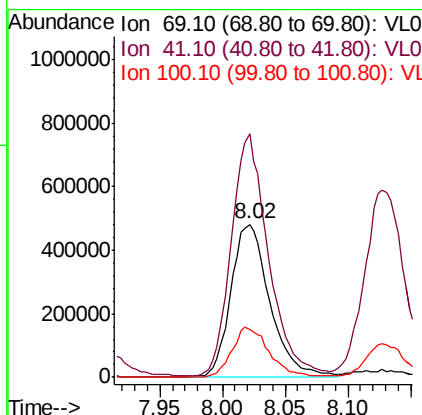
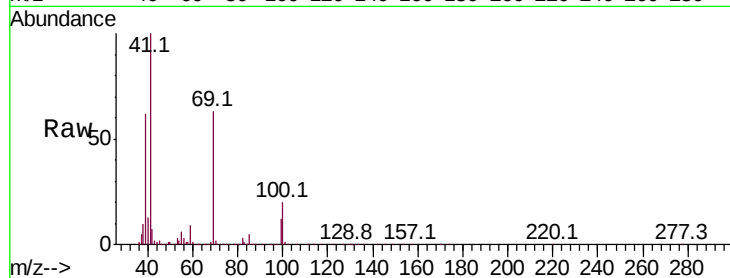
#43
Methvl Methacrvlate
Concen: 9.506 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion: 69 Resp: 1038932
Ion Ratio Lower Upper
69 100
41 151.7 126.8 190.2
100 31.5 24.9 37.3

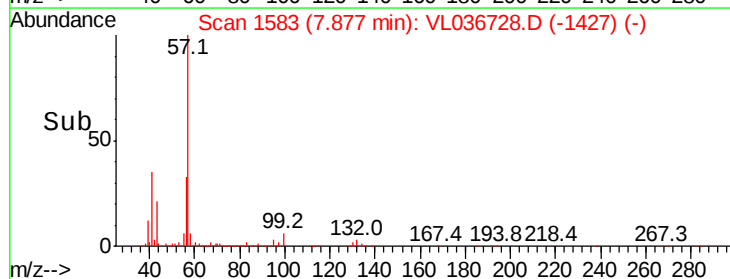
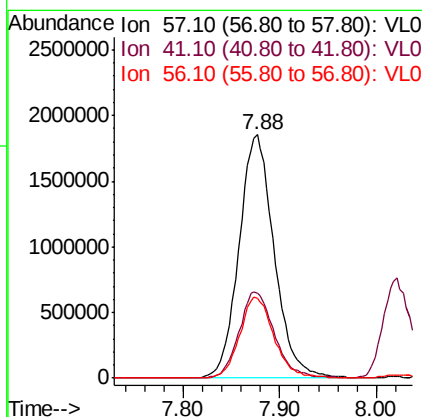
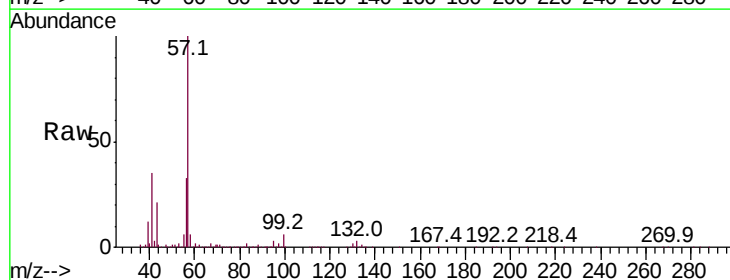
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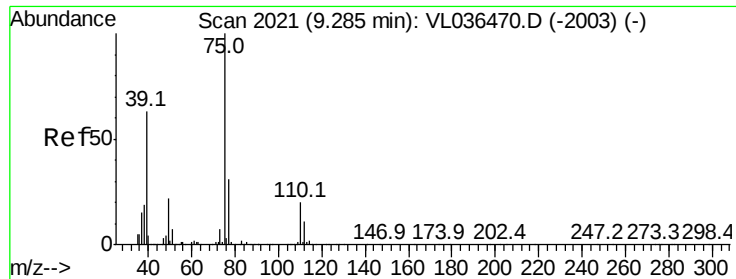
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 8.161 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Tgt Ion: 57 Resp: 4675141
Ion Ratio Lower Upper
57 100
41 35.7 28.8 43.2
56 32.5 26.1 39.1





#45

t-1,3-Dichloropropene

Concen: 8.074 ppbv

RT: 9.28 min Scan# 2021

Delta R.T. -0.00 min

Lab File: VL036728.D

Acq: 7 Apr 2021 15:27

Instrument :
MSVOA_L

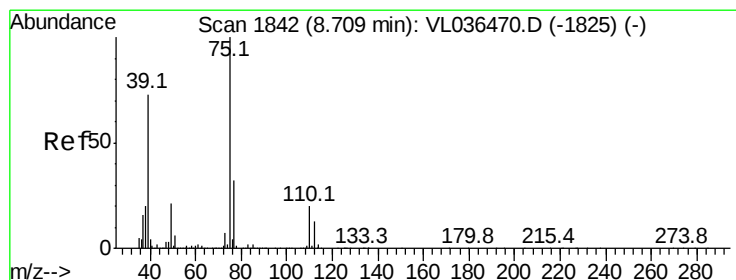
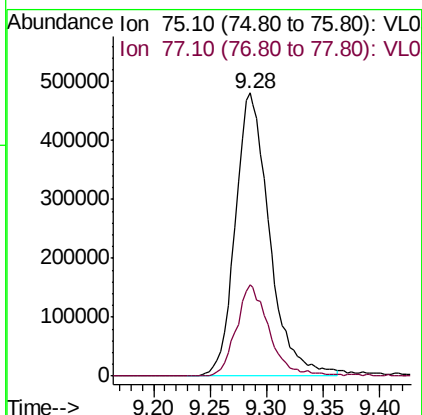
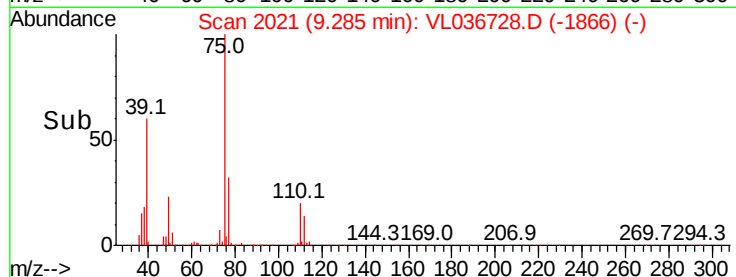
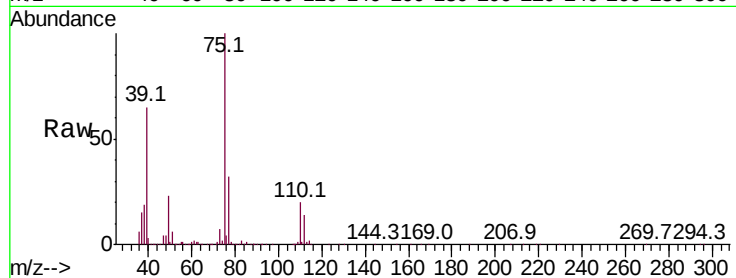
ClientSampleId :
VL0407ABS01

Tot Ion: 75 Resp: 1007662

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.1	37.7

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#46

cis-1,3-Dichloropropene

Concen: 7.889 ppbv

RT: 8.71 min Scan# 1842

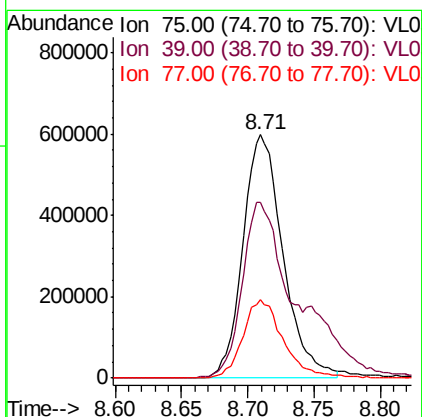
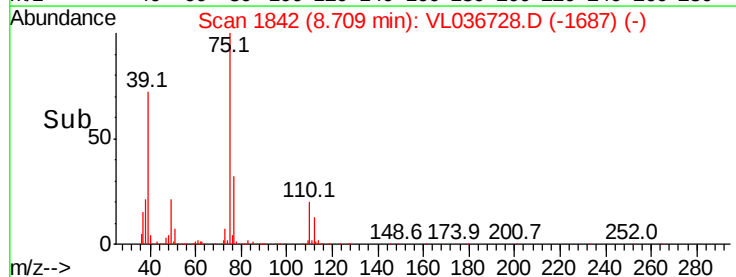
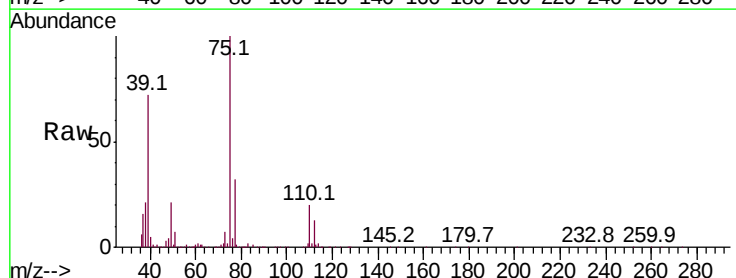
Delta R.T. -0.00 min

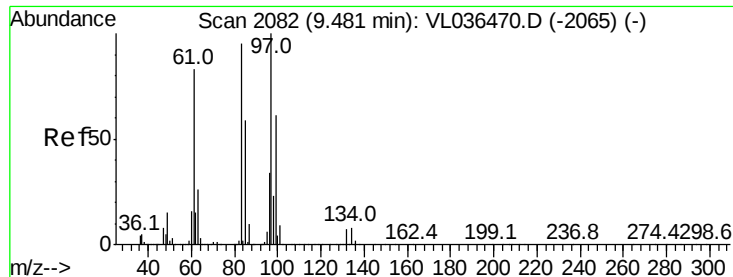
Lab File: VL036728.D

Acq: 7 Apr 2021 15:27

Tgt Ion: 75 Resp: 1258539

Ion	Ratio	Lower	Upper
75	100		
39	71.8	58.2	87.2
77	32.0	25.2	37.8





#47

1,1,2-Trichloroethane

Concen: 8.400 ppbv

RT: 9.48 min Scan# 2082

Delta R.T. -0.00 min

Lab File: VL036728.D

Acq: 7 Apr 2021 15:27

Instrument :

MSVOA_L

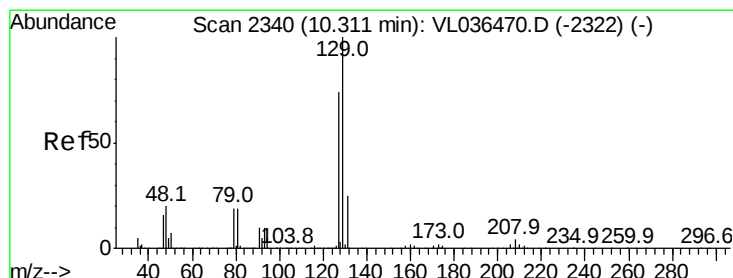
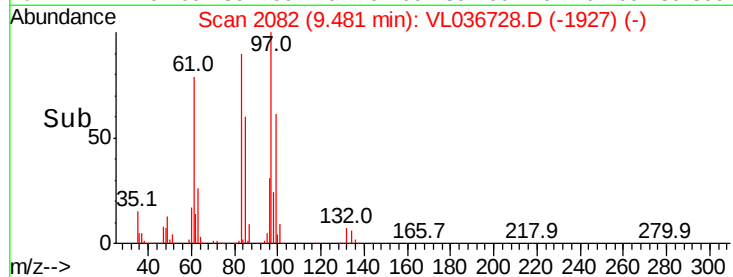
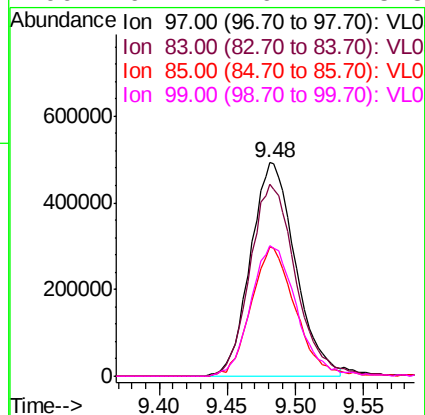
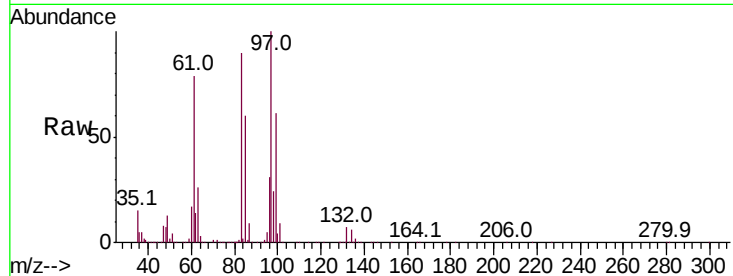
ClientSampleId :

VL0407ABS01

Tot Ion:	97	Resp:	1123417
Ion	Ratio	Lower	Upper
97	100		
83	89.7	75.8	113.8
85	60.3	47.1	70.7
99	61.2	49.2	73.8

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#48

Dibromochloromethane

Concen: 9.132 ppbv

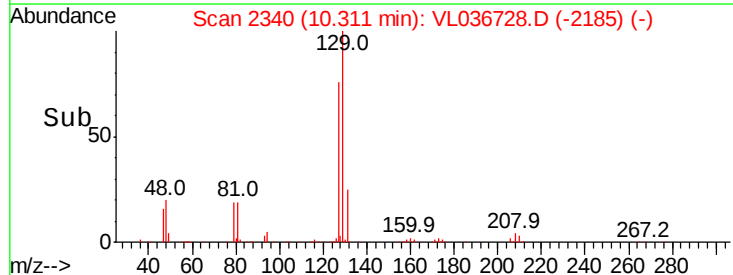
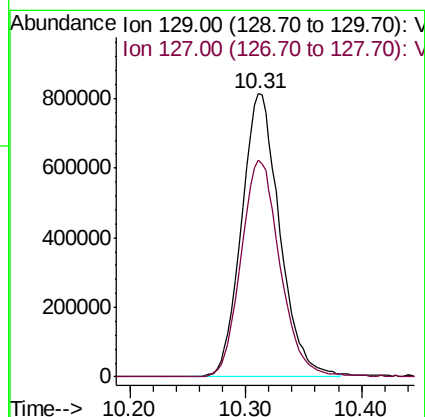
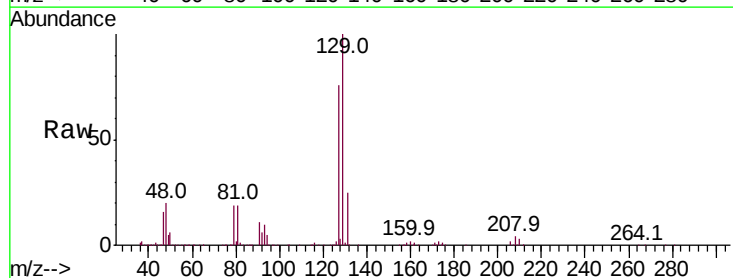
RT: 10.31 min Scan# 2340

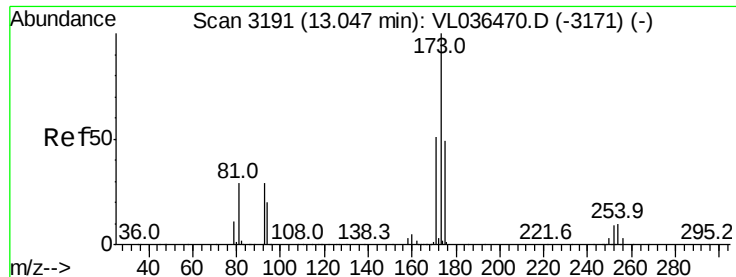
Delta R.T. -0.00 min

Lab File: VL036728.D

Acq: 7 Apr 2021 15:27

Tgt Ion:	129	Resp:	1861608
Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.6	118.8





#49

Bromoform

Concen: 9.368 ppbv

RT: 13.05 min Scan# 3192

Delta R.T. 0.00 min

Lab File: VL036728.D

Acq: 7 Apr 2021 15:27

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion:173 Resp: 1538741

Ion Ratio Lower Upper

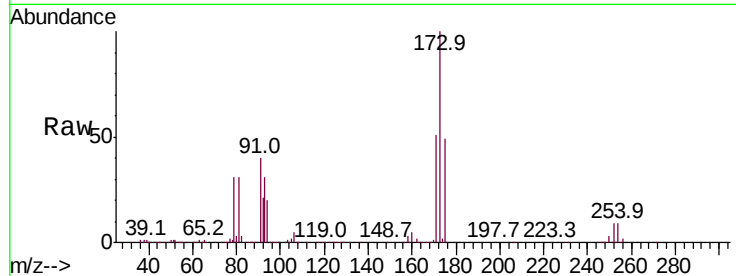
173 100

175 50.2 39.6 59.4

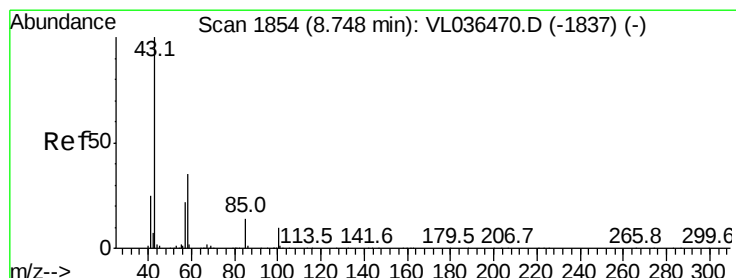
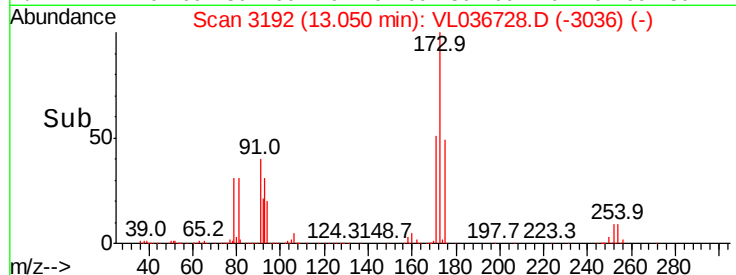
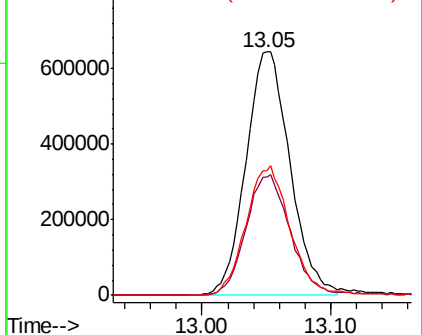
171 53.2 41.4 62.0

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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 8.007 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VL036728.D

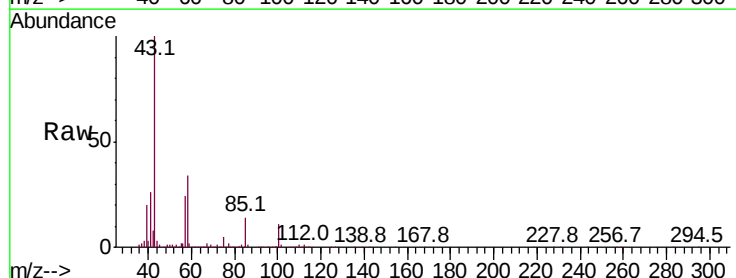
Acq: 7 Apr 2021 15:27

Tgt Ion: 43 Resp: 1996018

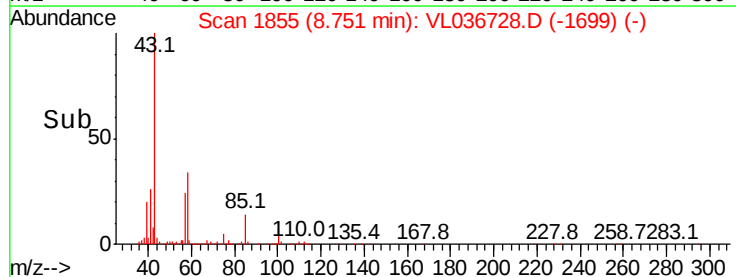
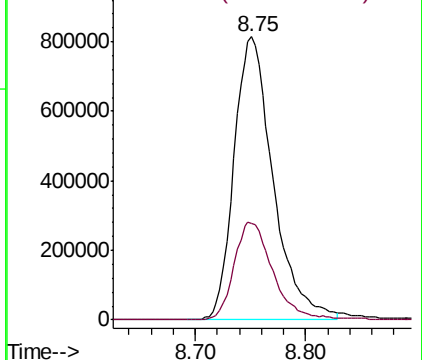
Ion Ratio Lower Upper

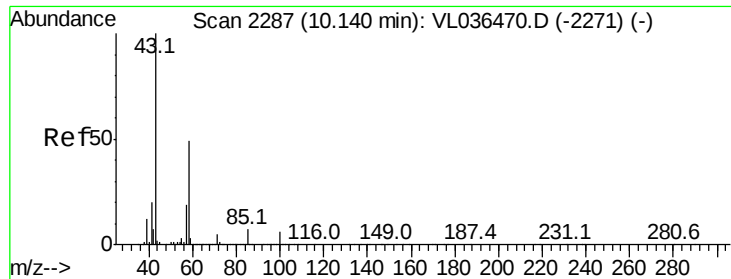
43 100

58 34.8 28.2 42.2



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





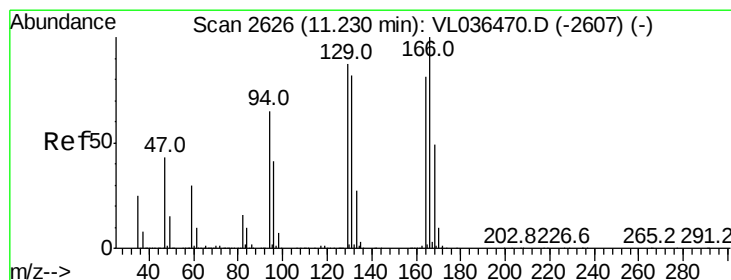
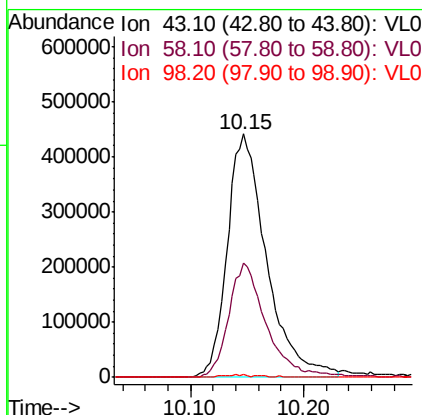
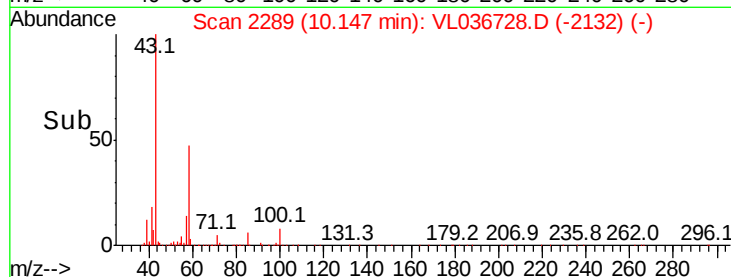
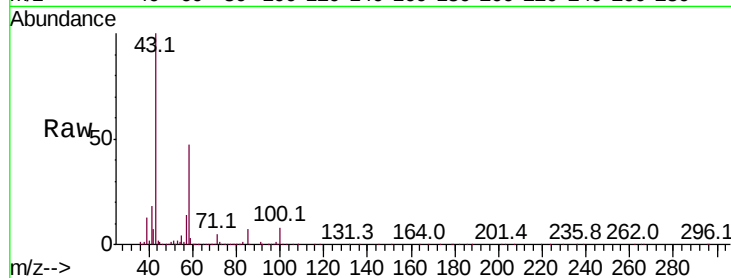
#51
2-Hexanone
Concen: 8.406 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.01 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion: 43 Resp: 1057460
Ion Ratio Lower Upper
43 100
58 46.2 37.7 56.5
98 1.4 0.2 0.2#

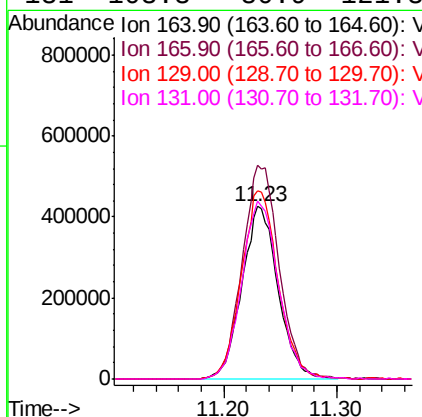
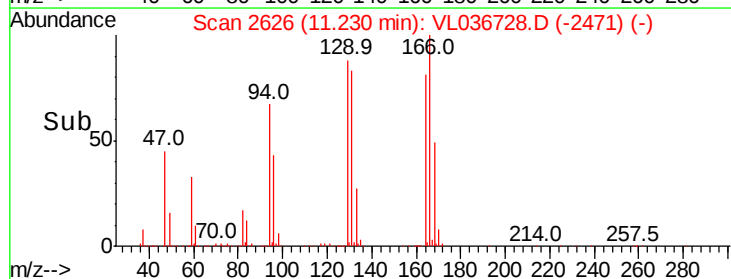
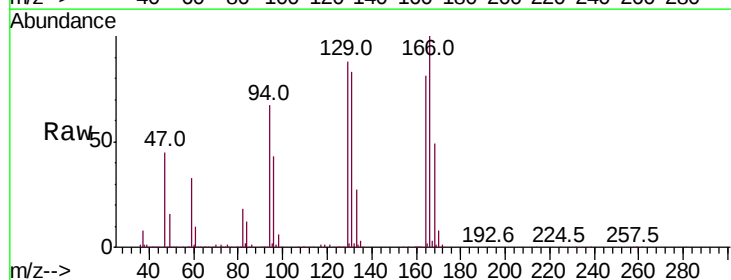
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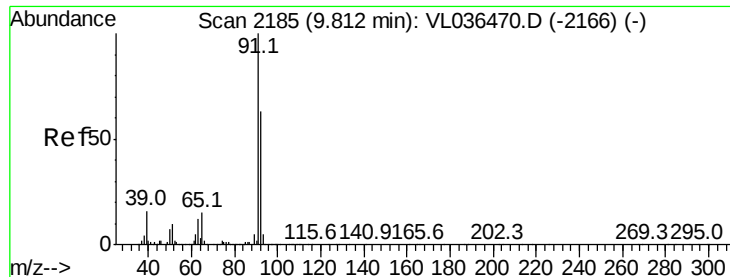
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#52
Tetrachloroethene
Concen: 7.876 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Tgt Ion: 164 Resp: 943989
Ion Ratio Lower Upper
164 100
166 123.9 98.3 147.5
129 109.1 85.8 128.8
131 103.3 80.9 121.3





#53

Toluene

Concen: 8.876 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VL036728.D

Acq: 7 Apr 2021 15:27

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion: 91 Resp: 3076514

Ion Ratio Lower Upper

91 100

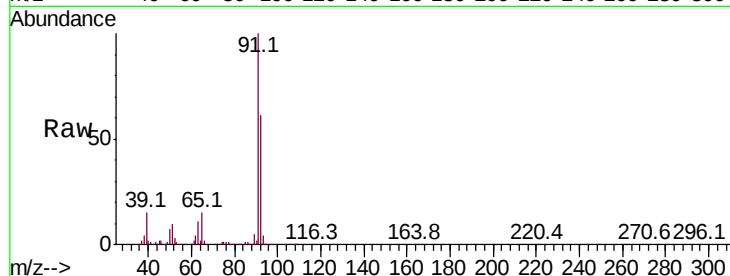
92 61.4 48.8 73.2

Manual Integrations

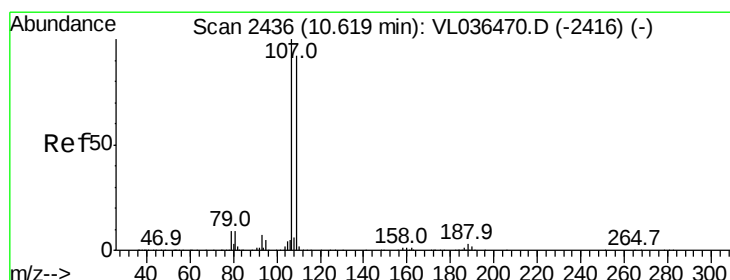
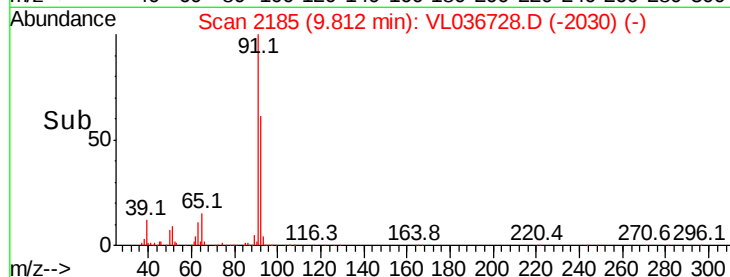
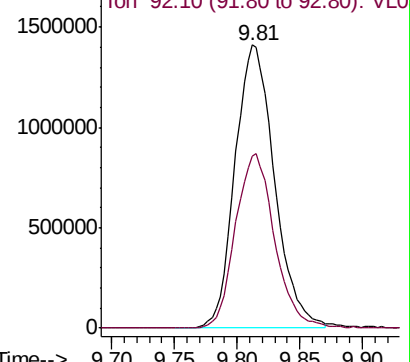
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Abundance Ion 91.10 (90.80 to 91.80): VL0



#54

1,2-Dibromoethane

Concen: 8.683 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VL036728.D

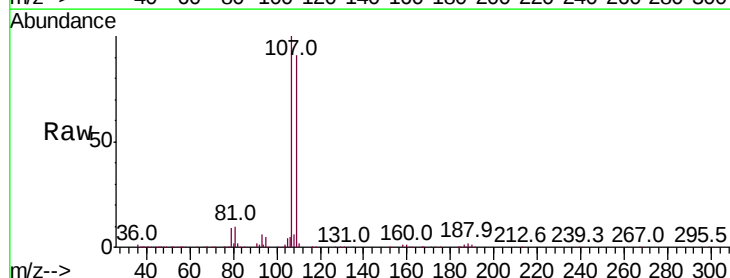
Acq: 7 Apr 2021 15:27

Tgt Ion: 107 Resp: 1639984

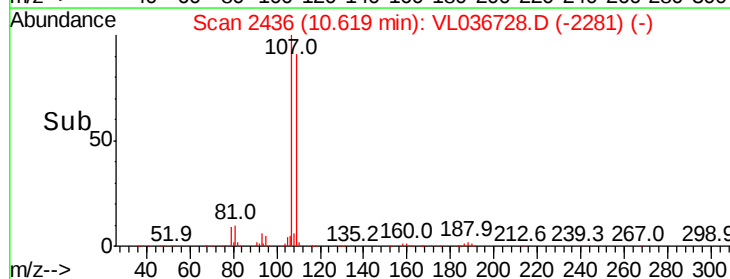
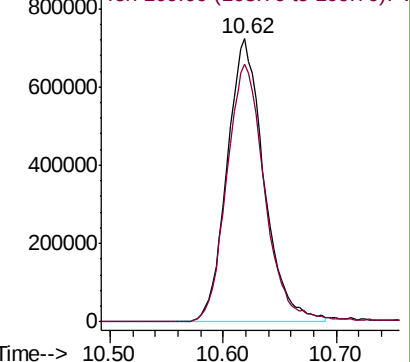
Ion Ratio Lower Upper

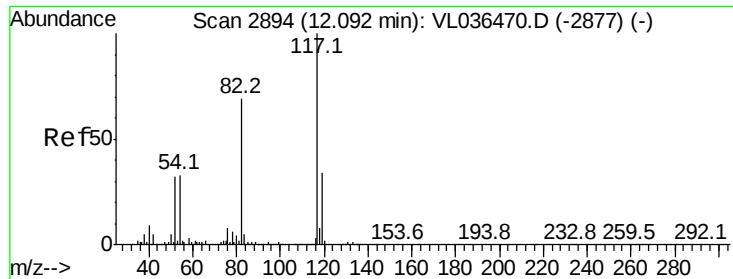
107 100

109 91.2 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V





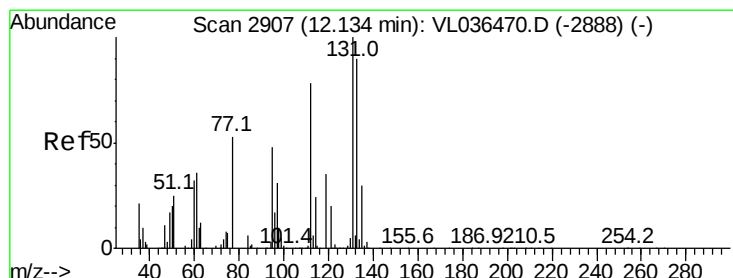
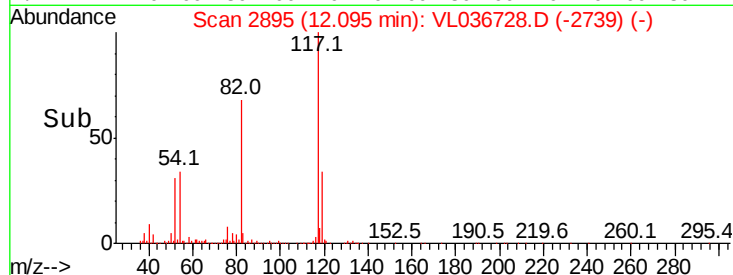
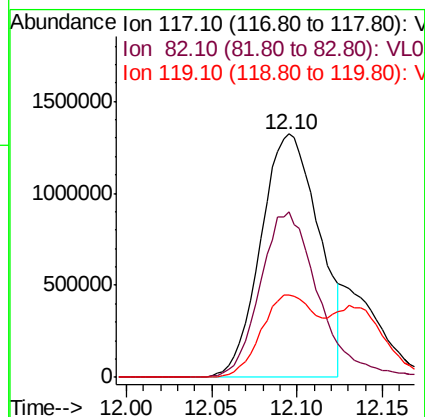
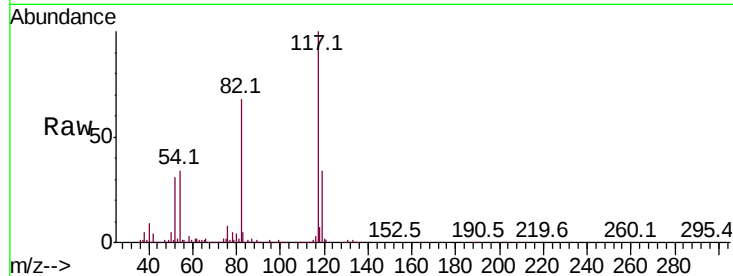
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.1	57.4	86.0
119	33.2	47.4	71.0#

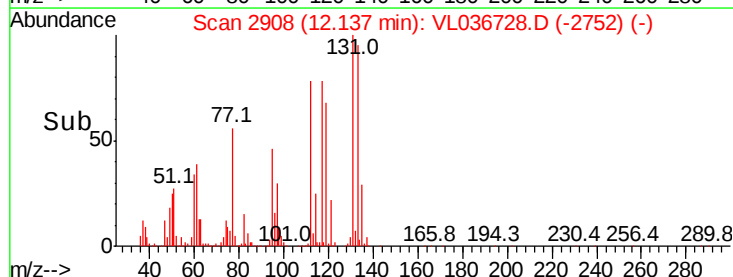
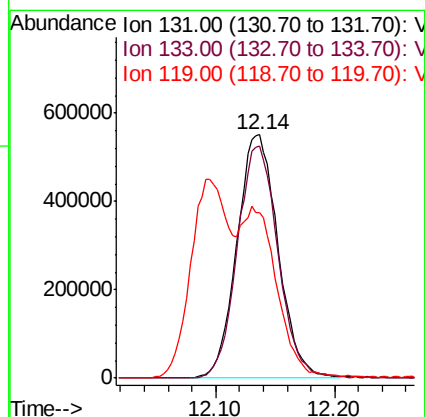
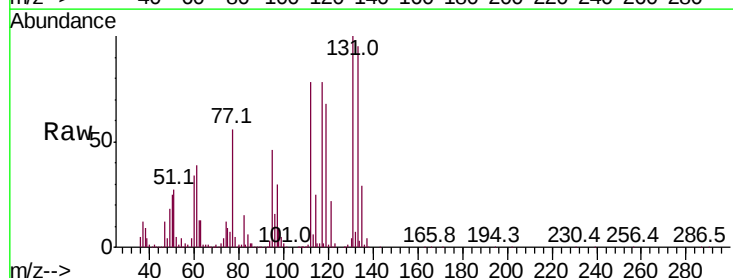
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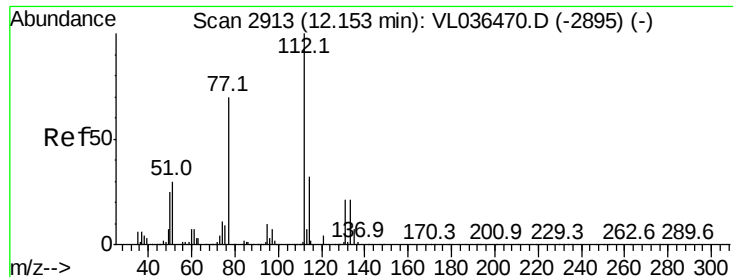
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.226 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	75.8	113.6
119	61.9	48.7	73.1





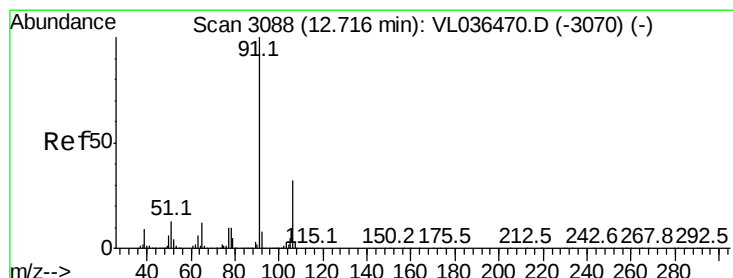
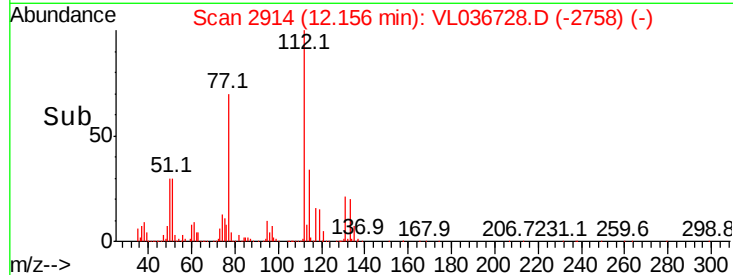
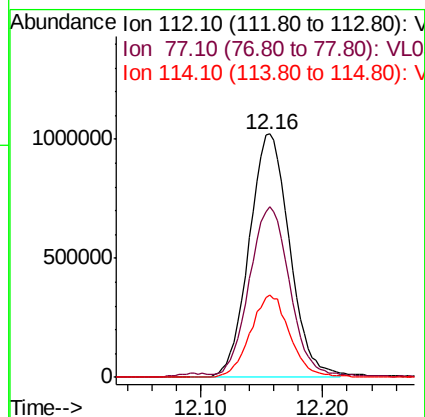
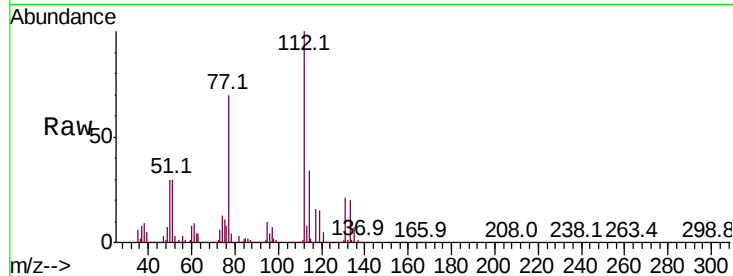
#57
Chlorobenzene
Concen: 8.744 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	69.0	56.0	84.0
114	33.8	29.0	35.4

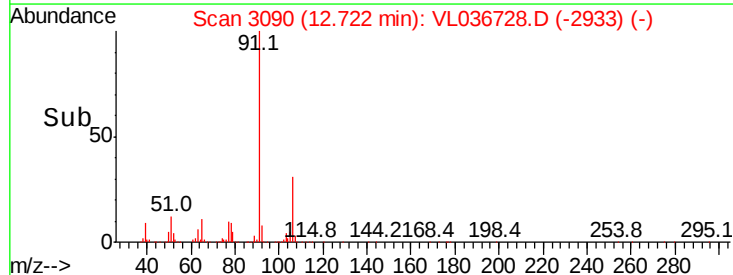
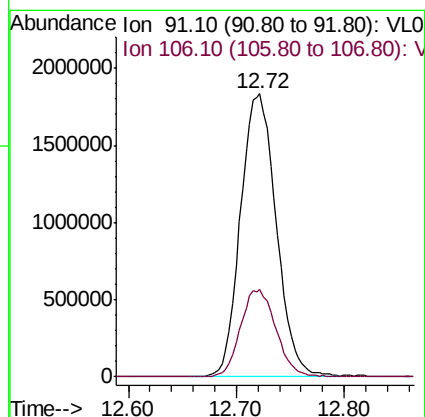
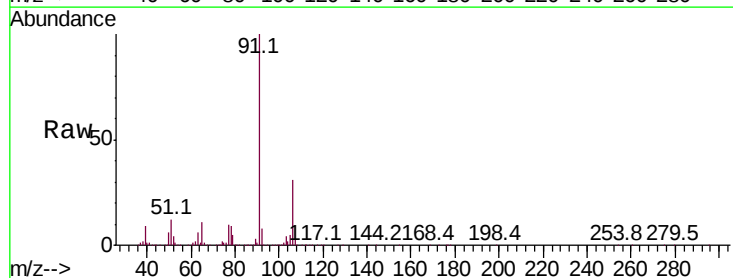
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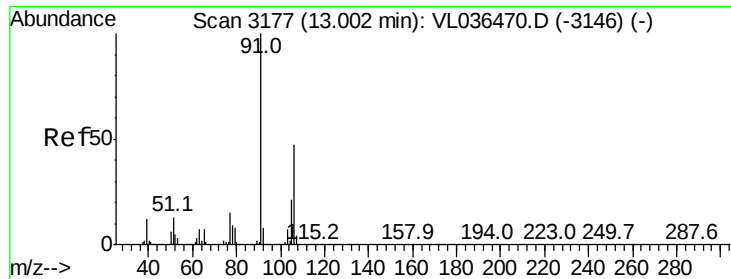
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#58
Ethyl Benzene
Concen: 9.245 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. 0.01 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.3	37.9





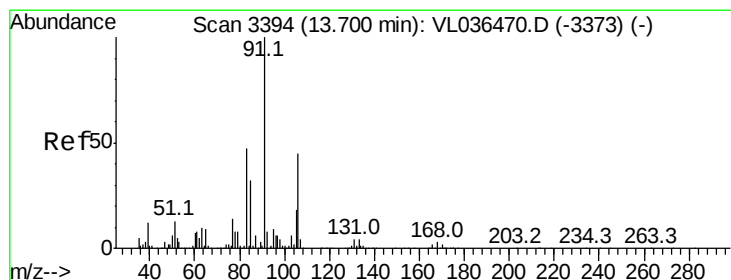
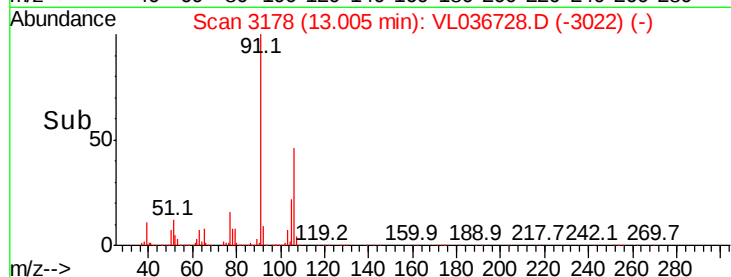
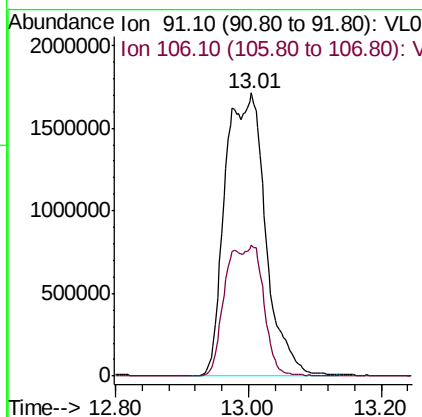
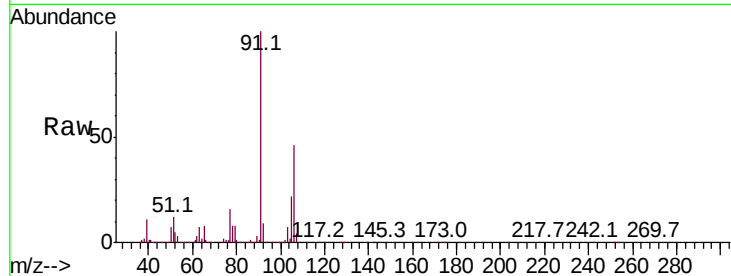
#59
m/p-Xylene
Concen: 18.153 ppbv m
RT: 13.01 min Scan# 3178
Delta R.T. 0.00 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion: 91 Resp: 7239592
Ion Ratio Lower Upper
91 100
106 43.8 35.3 52.9

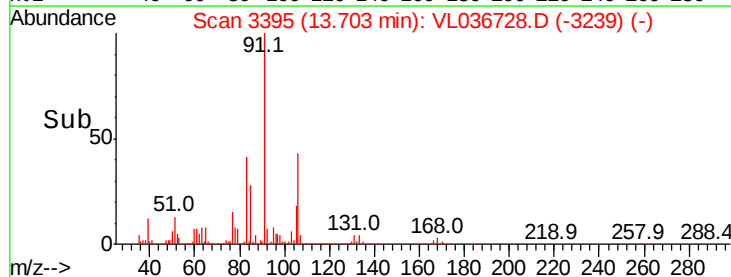
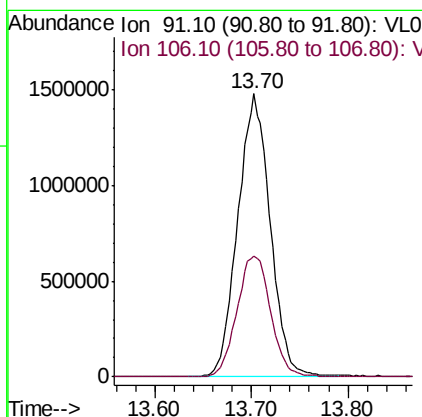
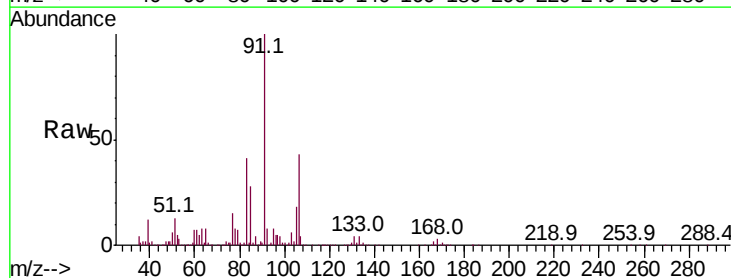
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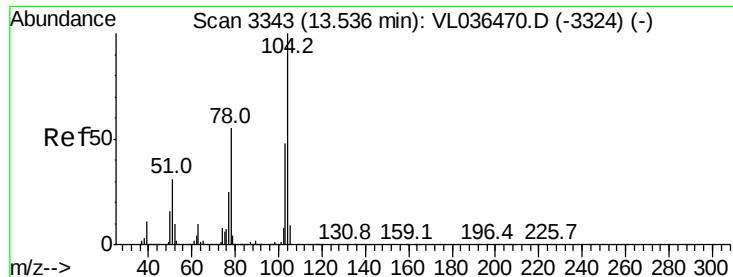
MMDadoda
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#60
o-Xylene
Concen: 8.933 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. 0.00 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Tgt Ion: 91 Resp: 3444556
Ion Ratio Lower Upper
91 100
106 44.6 22.3 66.9





#61

Stvrene

Concen: 9.574 ppbv

RT: 13.54 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VL036728.D

Acq: 7 Apr 2021 15:27

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion:104 Resp: 1857439

Ion Ratio Lower Upper

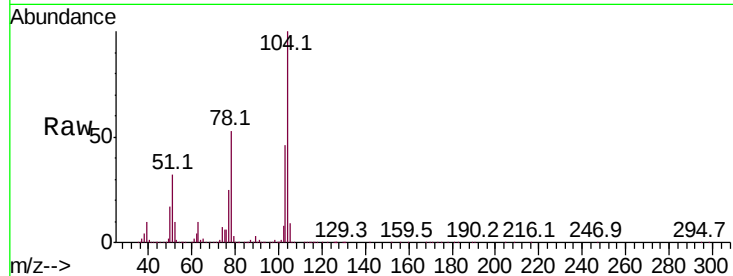
104 100

78 53.5 43.8 65.8

103 47.1 38.3 57.5

Manual Integrations
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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

13.54

800000

600000

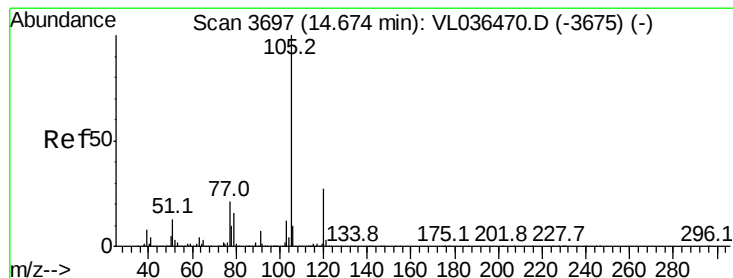
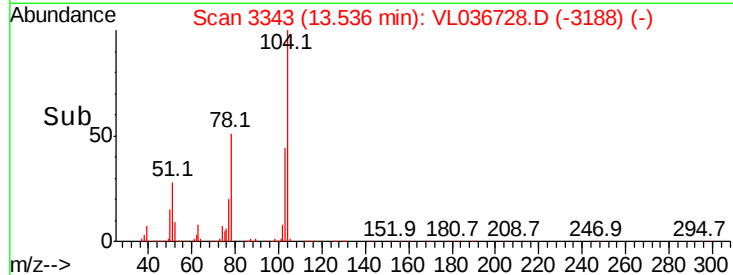
400000

200000

0

13.50 13.60

Time-->



#62

Isopropylbenzene

Concen: 9.132 ppbv

RT: 14.68 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VL036728.D

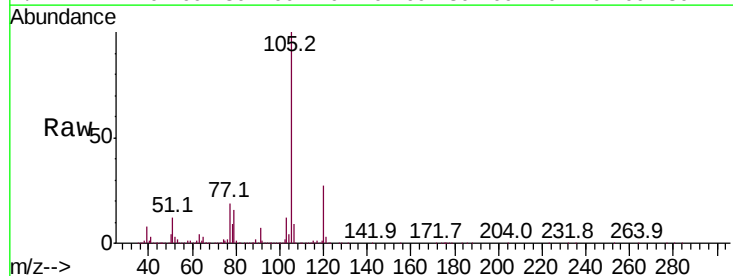
Acq: 7 Apr 2021 15:27

Tgt Ion:105 Resp: 4742184

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

14.68

2000000

1500000

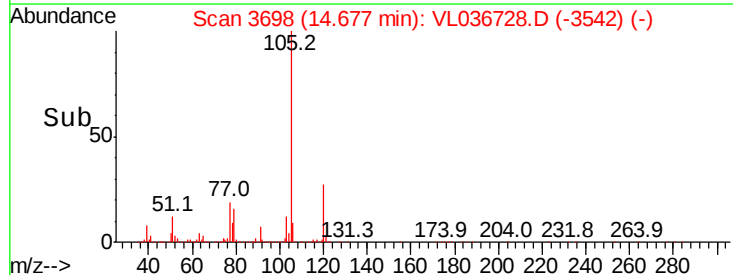
1000000

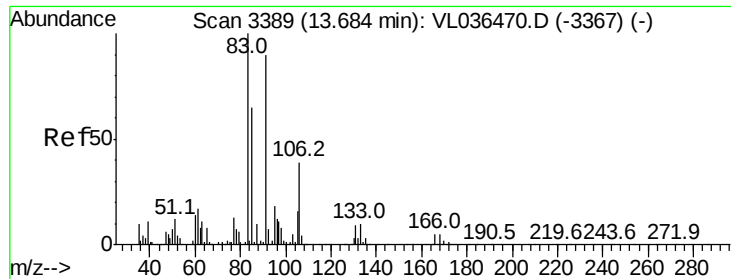
500000

0

14.60 14.70

Time-->





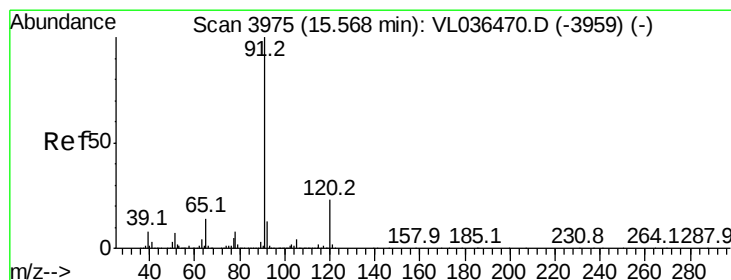
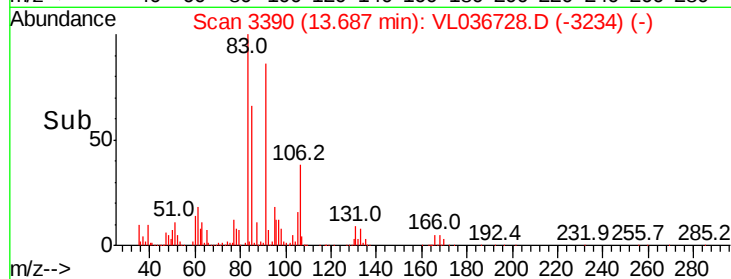
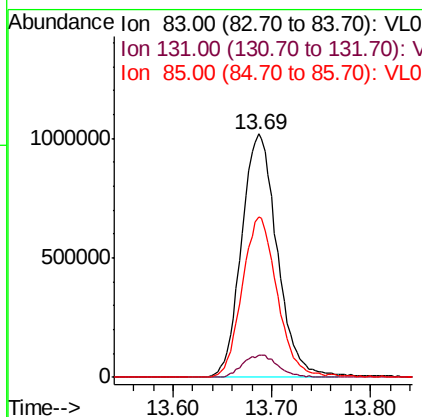
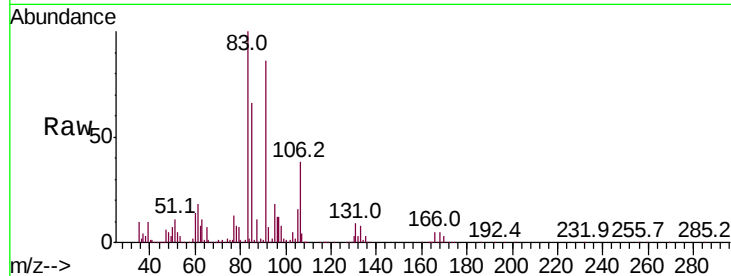
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.634 ppbv
 RT: 13.69 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VL036728.D
 Acq: 7 Apr 2021 15:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.7	14.0
85	65.6	33.1	99.3

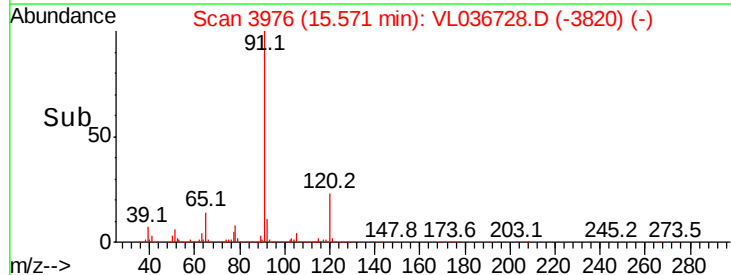
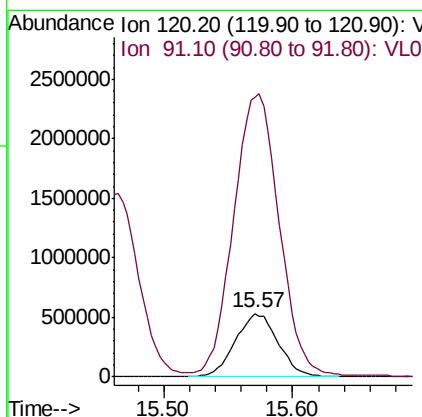
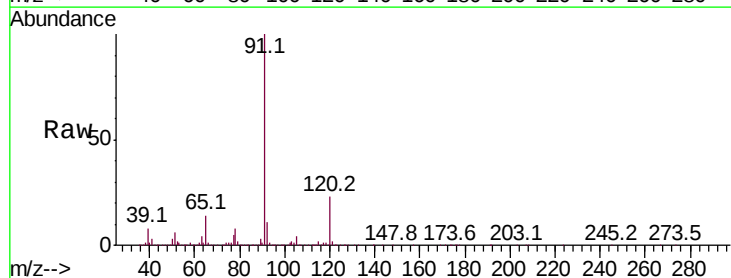
Manual Integrations
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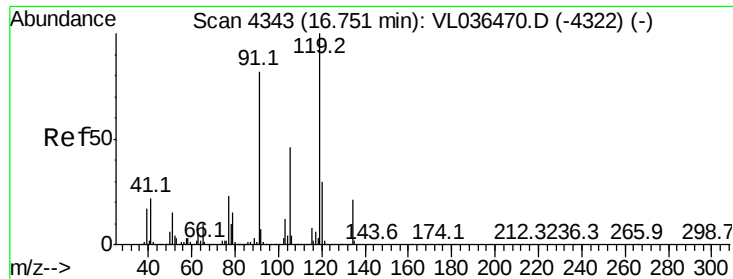
MMDadoda
 4/12/2021 11:15:28 AM



#64
 n-propylbenzene
 Concen: 9.631 ppbv
 RT: 15.57 min Scan# 3976
 Delta R.T. 0.00 min
 Lab File: VL036728.D
 Acq: 7 Apr 2021 15:27

Tgt Ion	Ratio	Lower	Upper
120	100		
91	482.8	377.4	566.2





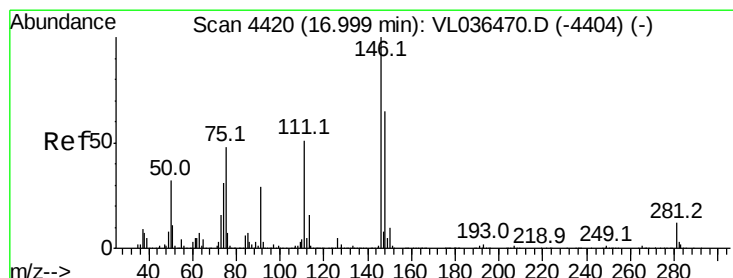
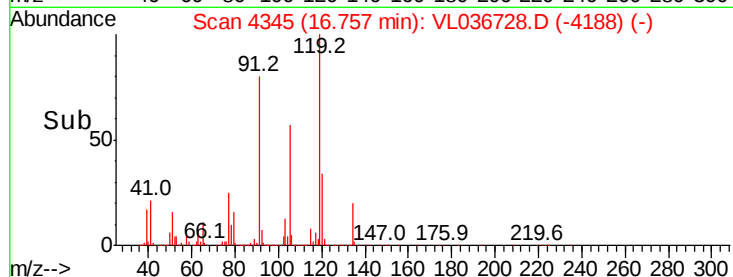
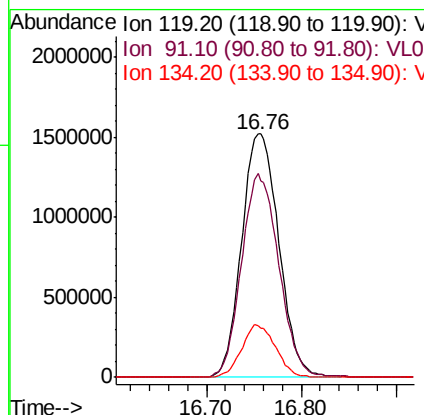
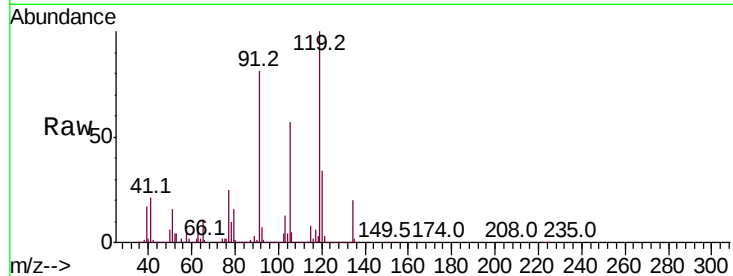
#65
tert-Butylbenzene
Concen: 9.227 ppbv
RT: 16.76 min Scan# 4345
Delta R.T. 0.01 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	83.6	67.5	101.3
134	19.8	15.8	23.8

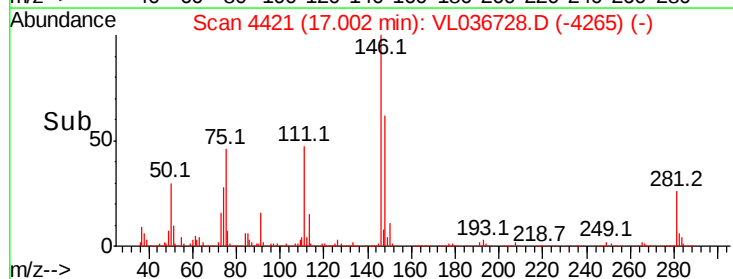
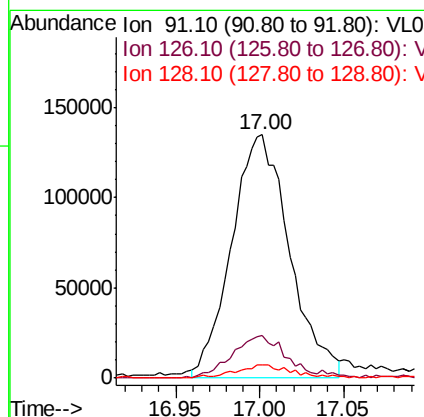
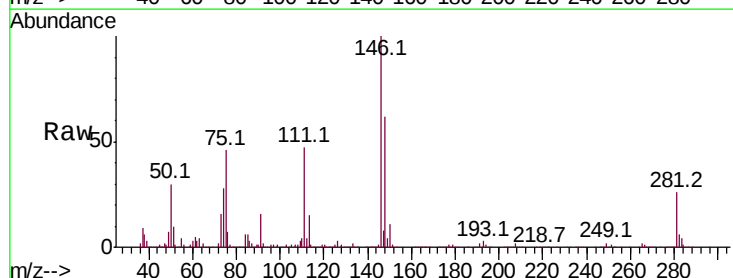
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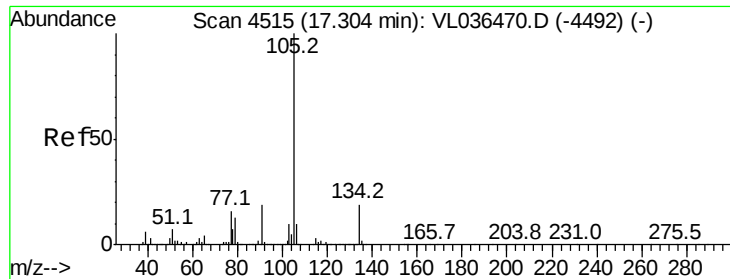
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#66
Benzyl Chloride
Concen: 6.503 ppbv m
RT: 17.00 min Scan# 4421
Delta R.T. 0.00 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.8	13.5	20.3
128	5.4	4.2	6.4





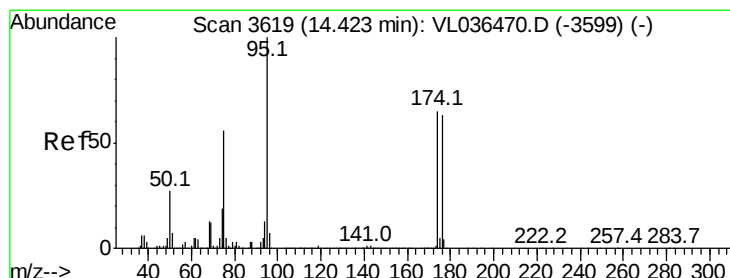
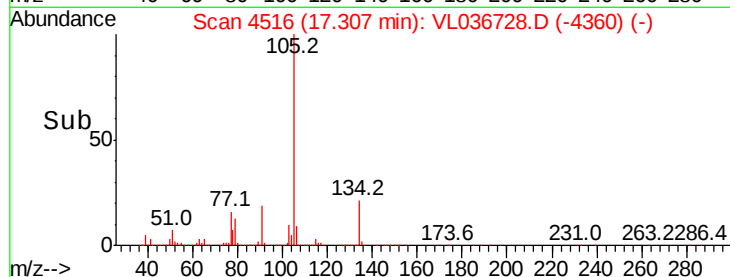
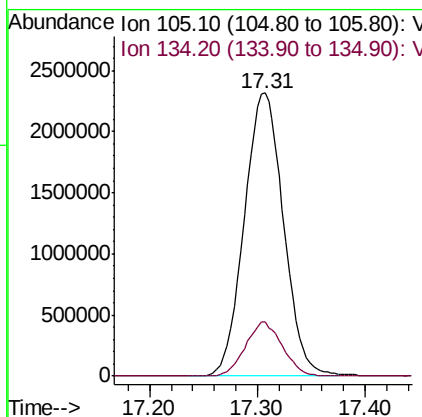
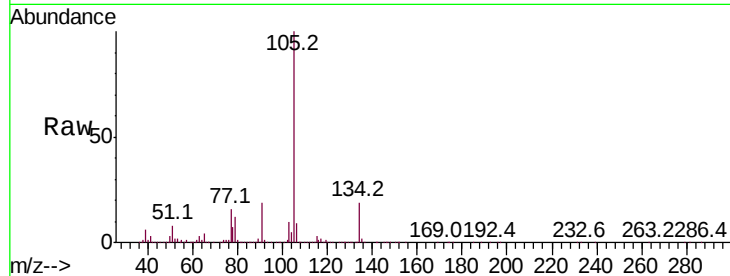
#67
 sec-Butylbenzene
 Concen: 9.177 ppbv
 RT: 17.31 min Scan# 4516
 Delta R.T. 0.00 min
 Lab File: VL036728.D
 Acq: 7 Apr 2021 15:27

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0407ABS01

Tot Ion: 105 Resp: 5832743
 Ion Ratio Lower Upper
 105 100
 134 18.1 14.7 22.1

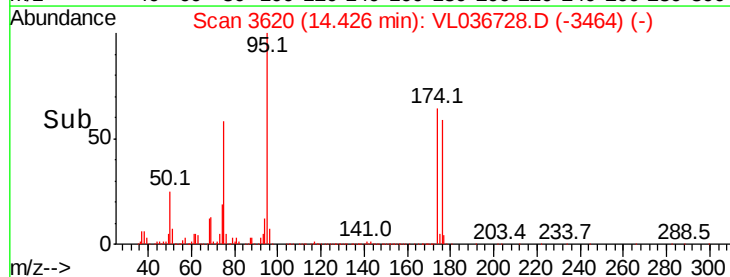
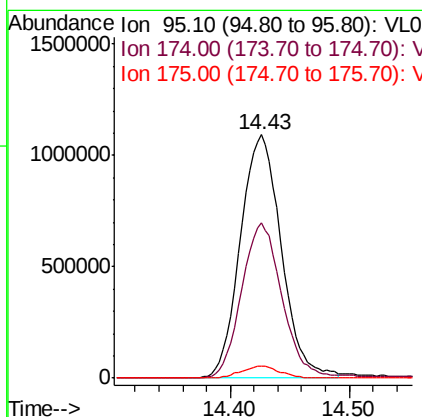
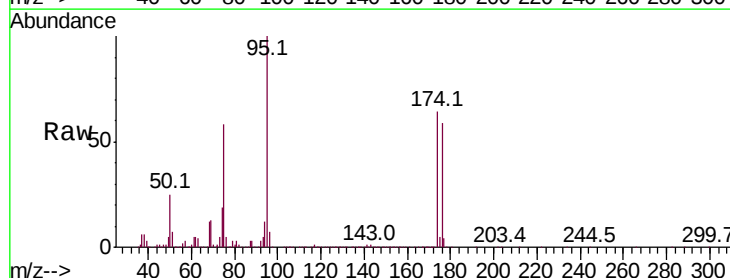
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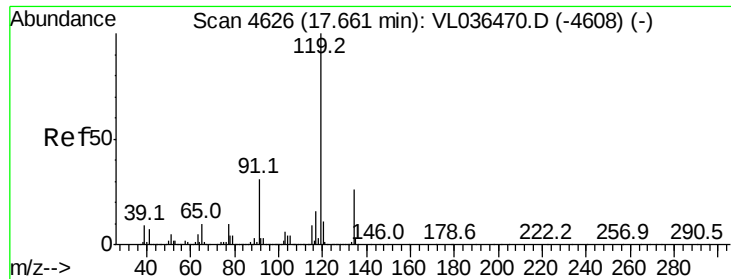
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.401 ppbv
 RT: 14.43 min Scan# 3620
 Delta R.T. 0.00 min
 Lab File: VL036728.D
 Acq: 7 Apr 2021 15:27

Tgt Ion: 95 Resp: 2605379
 Ion Ratio Lower Upper
 95 100
 174 64.2 51.0 76.6
 175 4.8 3.9 5.9





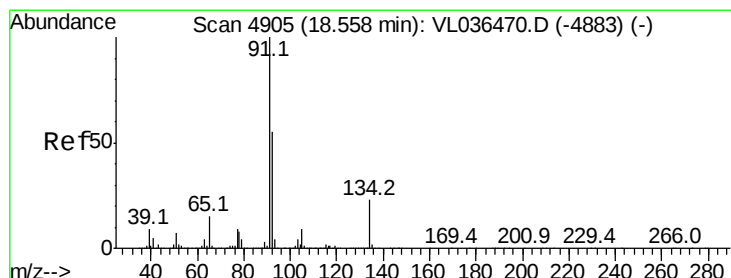
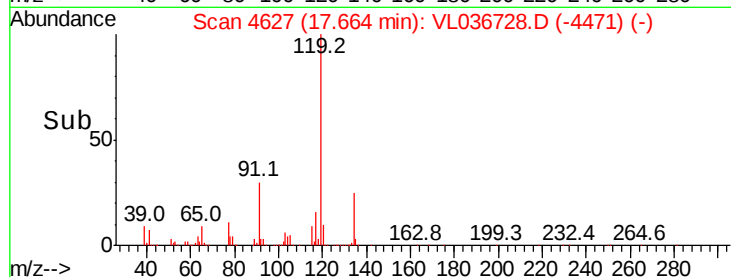
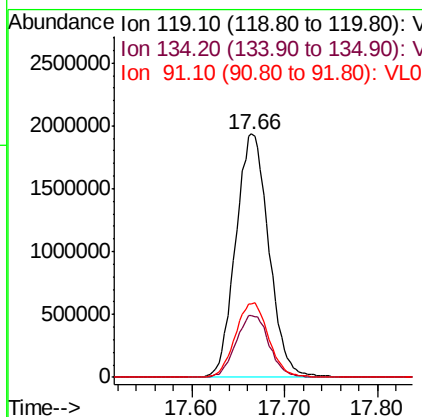
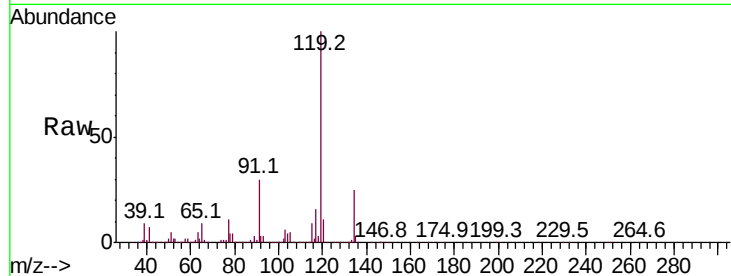
#69
 p-Isopropyltoluene
 Concen: 9.686 ppbv
 RT: 17.66 min Scan# 4627
 Delta R.T. 0.00 min
 Lab File: VL036728.D
 Acq: 7 Apr 2021 15:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.6	30.8
91	30.6	25.0	37.6

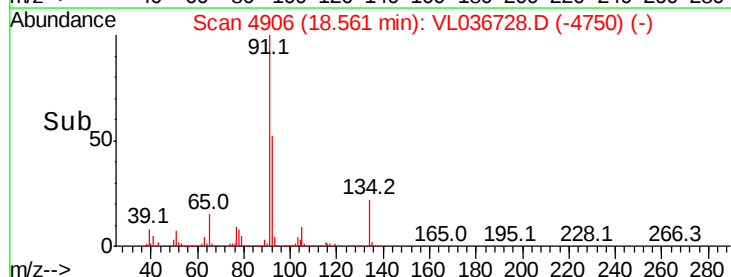
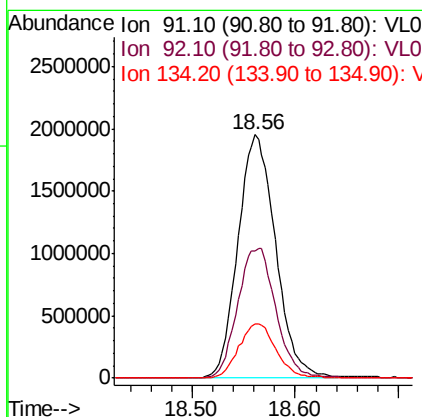
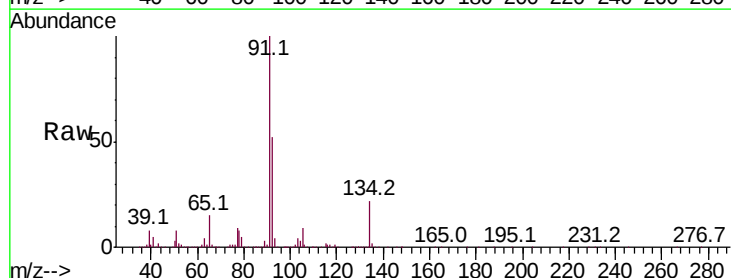
Manual Integrations
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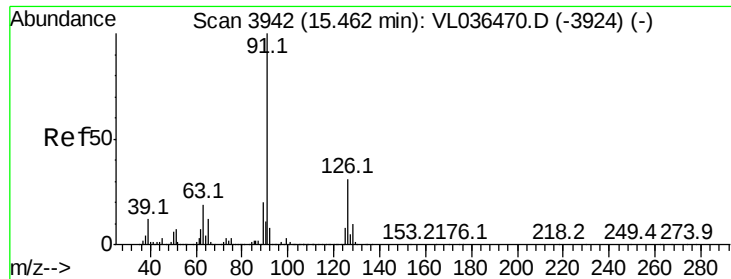
MMDadoda
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#70
 n-Butylbenzene
 Concen: 9.627 ppbv
 RT: 18.56 min Scan# 4906
 Delta R.T. 0.00 min
 Lab File: VL036728.D
 Acq: 7 Apr 2021 15:27

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.8	65.8
134	22.3	18.0	27.0





#71

2-Chlorotoluene

Concen: 9.372 ppbv

RT: 15.46 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VL036728.D

Acq: 7 Apr 2021 15:27

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion: 91 Resp: 3646681

Ion Ratio Lower Upper

91 100

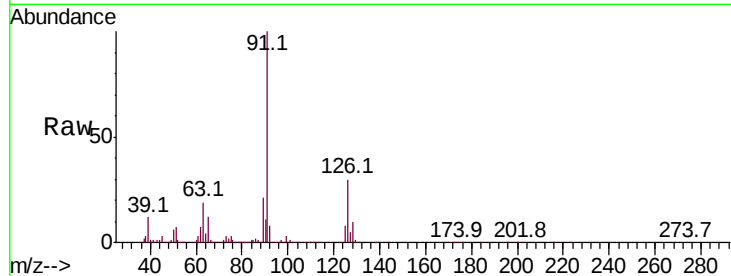
126 30.4 12.1 48.5

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

2500000

2000000

1500000

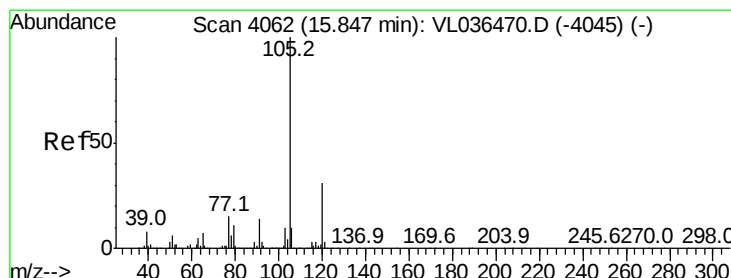
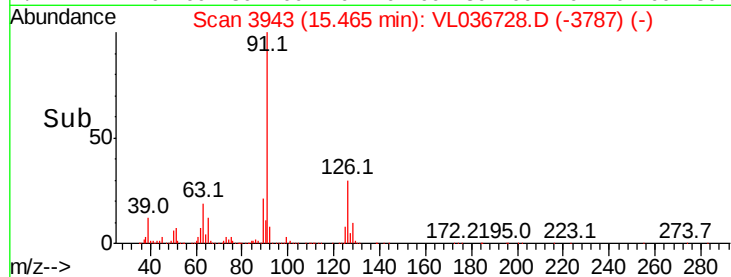
1000000

500000

0

15.40 15.50

Time-->



#72

4-Ethyltoluene

Concen: 9.649 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. 0.01 min

Lab File: VL036728.D

Acq: 7 Apr 2021 15:27

Tgt Ion: 105 Resp: 4077265

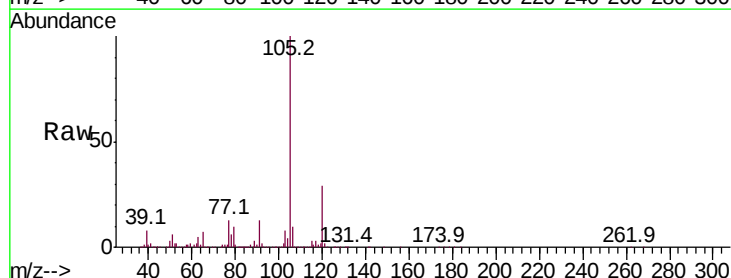
Ion Ratio Lower Upper

105 100

120 29.6 24.0 36.0

91 13.5 11.0 16.4

77 14.3 11.7 17.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

1500000

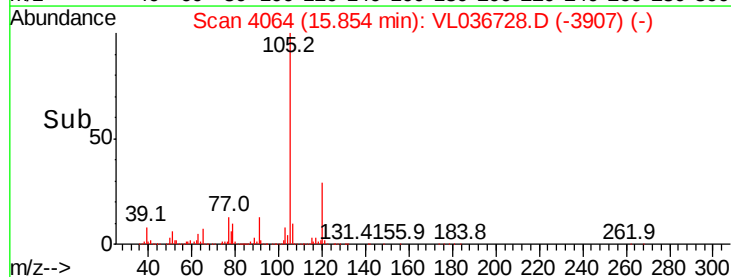
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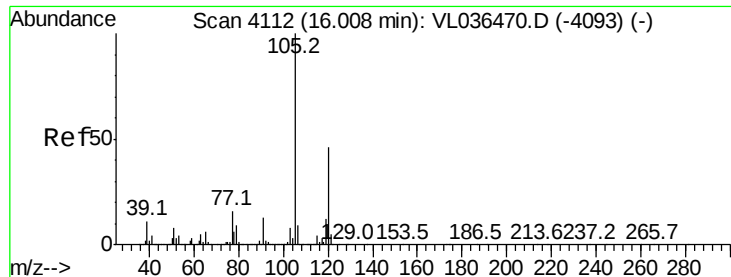
500000

0

15.80 15.90

Time-->





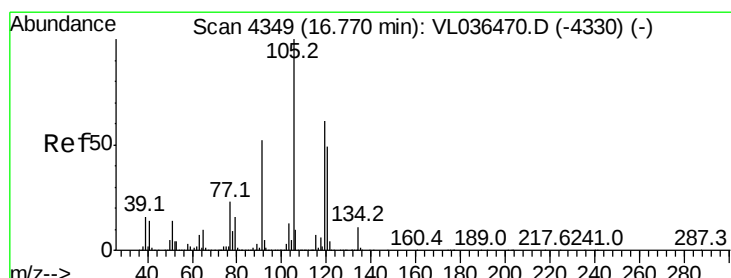
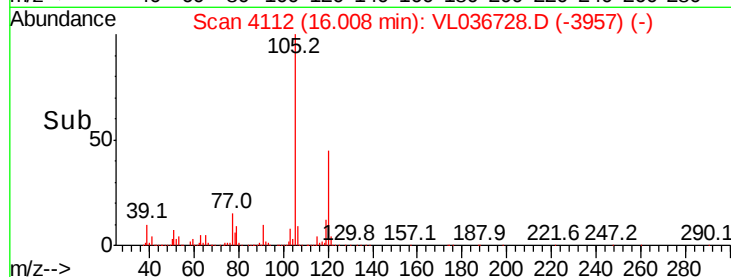
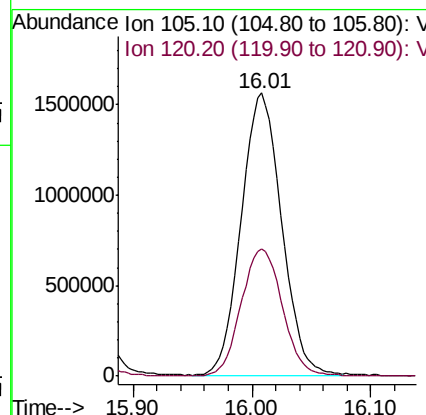
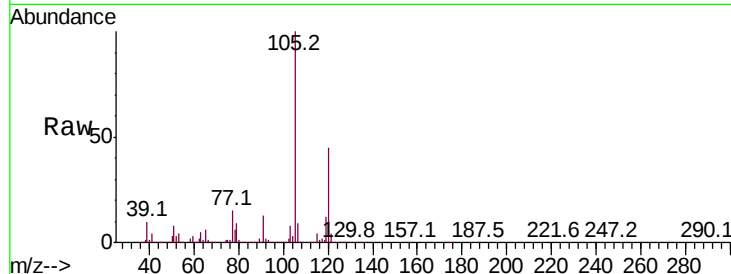
#73
 1,3,5-Trimethylbenzene
 Concen: 9.280 ppbv
 RT: 16.01 min Scan# 4112
 Delta R.T. -0.00 min
 Lab File: VL036728.D
 Acq: 7 Apr 2021 15:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Tot Ion:105 Resp: 3659745
 Ion Ratio Lower Upper
 105 100
 120 45.1 36.6 54.8

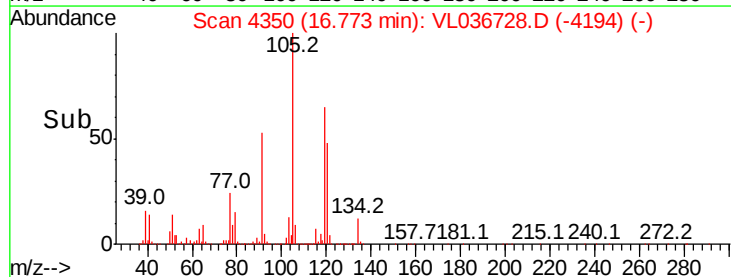
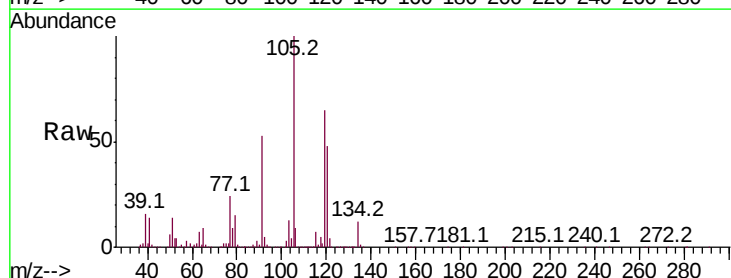
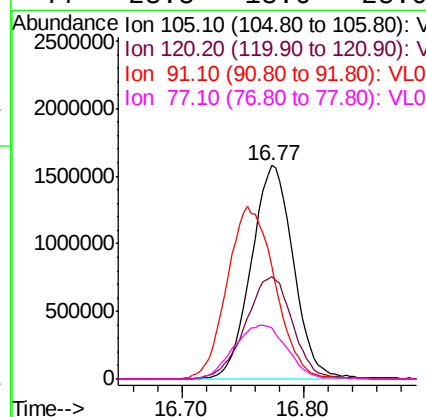
Manual Integrations
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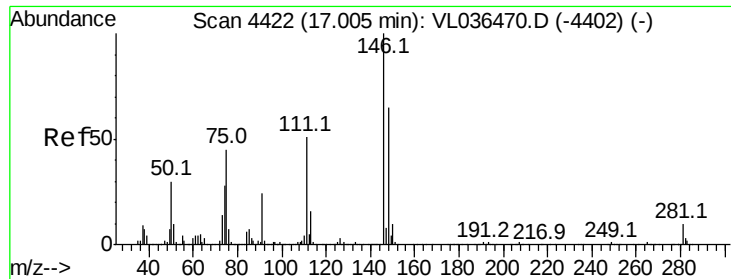
MMDadoda
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#74
 1,2,4-Trimethylbenzene
 Concen: 8.916 ppbv
 RT: 16.77 min Scan# 4350
 Delta R.T. 0.00 min
 Lab File: VL036728.D
 Acq: 7 Apr 2021 15:27

Tgt Ion:105 Resp: 3762907
 Ion Ratio Lower Upper
 105 100
 120 47.6 39.2 58.8
 91 52.1 42.6 64.0
 77 23.8 18.6 28.0





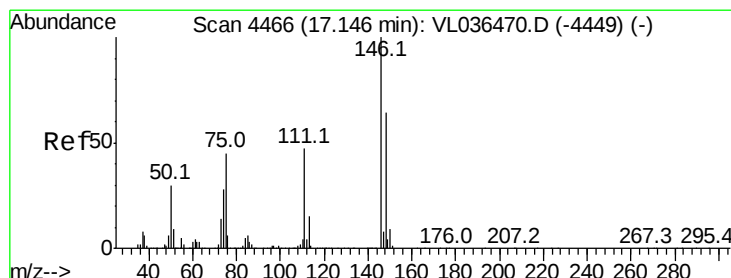
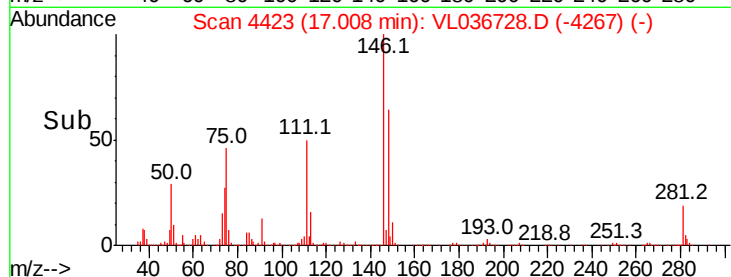
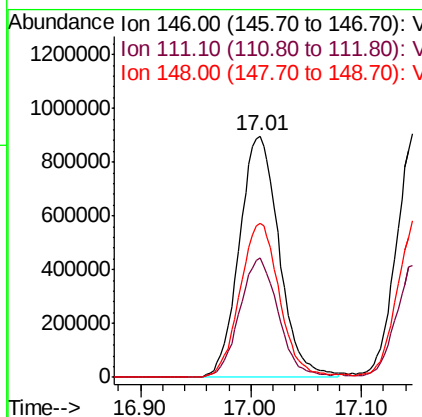
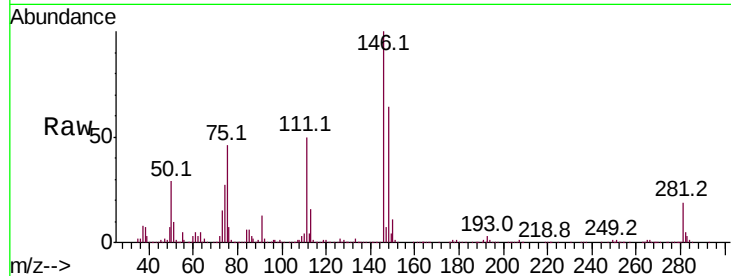
#75
 1,3-Dichlorobenzene
 Concen: 9.457 ppbv
 RT: 17.01 min Scan# 4423
 Delta R.T. 0.00 min
 Lab File: VL036728.D
 Acq: 7 Apr 2021 15:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.5	24.5	73.5
148	64.0	32.3	96.9

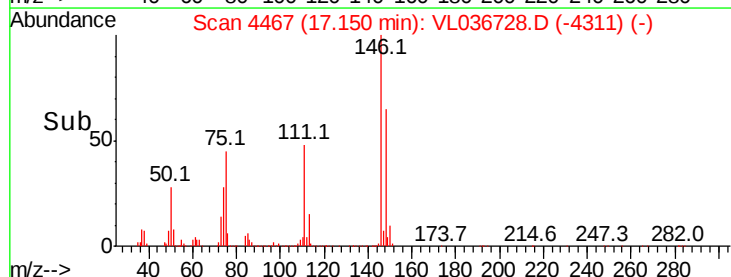
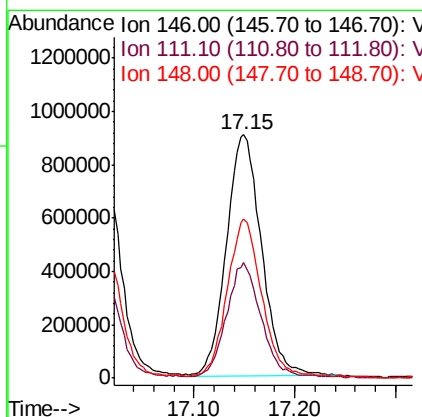
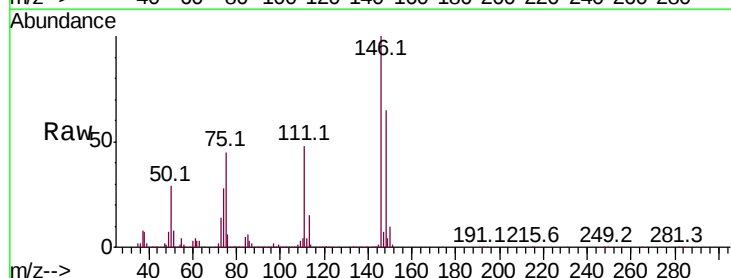
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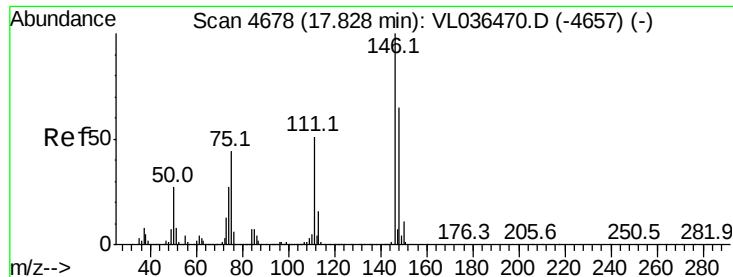
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#76
 1,4-Dichlorobenzene
 Concen: 9.323 ppbv
 RT: 17.15 min Scan# 4467
 Delta R.T. 0.00 min
 Lab File: VL036728.D
 Acq: 7 Apr 2021 15:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.1	24.3	72.8
148	64.7	33.0	98.9





#77

1,2-Dichlorobenzene

Concen: 9.846 ppbv

RT: 17.83 min Scan# 4678

Delta R.T. -0.00 min

Lab File: VL036728.D

Acq: 7 Apr 2021 15:27

Instrument :

MSVOA_L

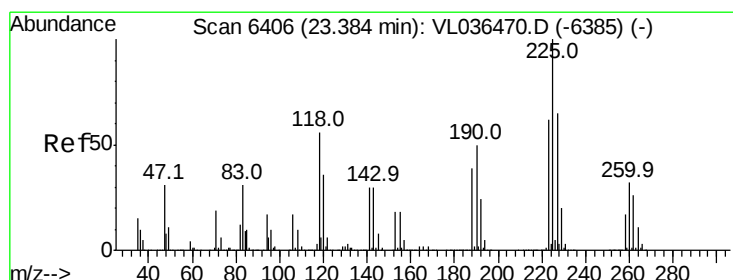
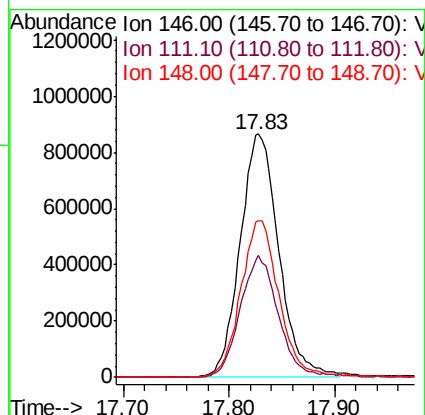
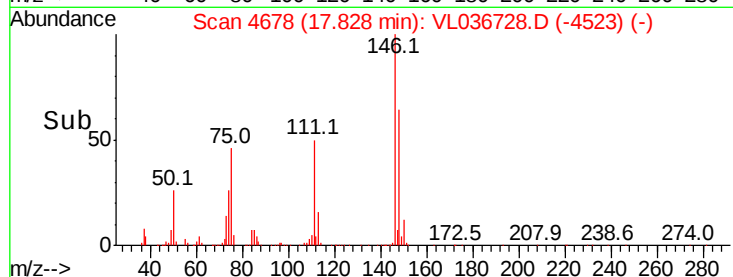
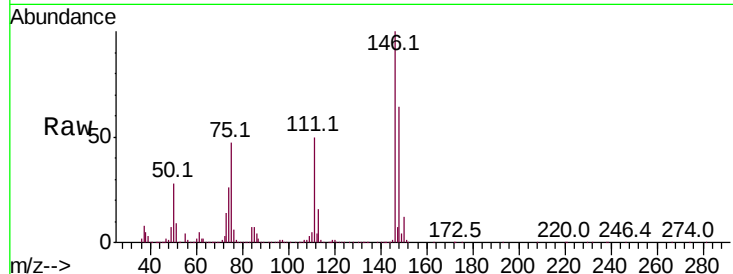
ClientSampleId :

VL0407ABS01

Tot Ion:	146	Resp:	2198505
Ion	Ratio	Lower	Upper
146	100		
111	49.4	25.5	76.5
148	63.8	32.9	98.6

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#78

Hexachloro-1,3-Butadiene

Concen: 8.558 ppbv

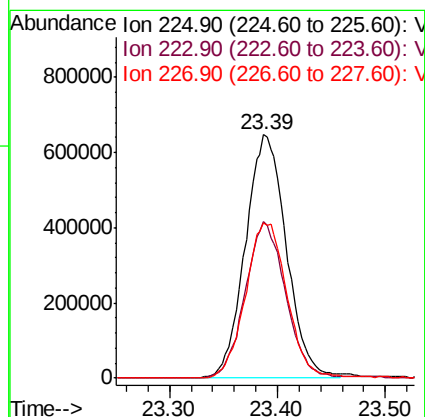
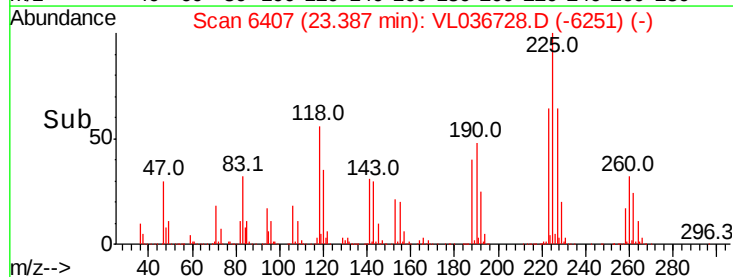
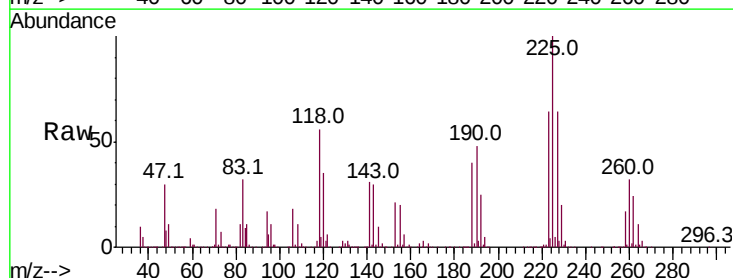
RT: 23.39 min Scan# 6407

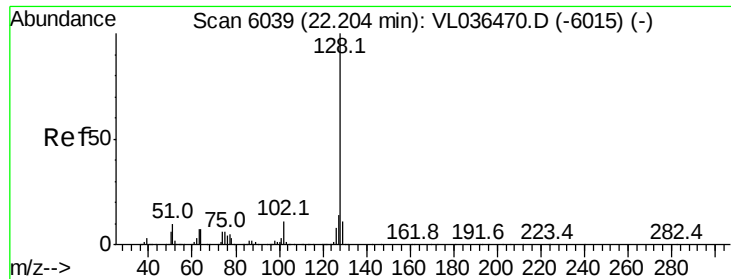
Delta R.T. 0.00 min

Lab File: VL036728.D

Acq: 7 Apr 2021 15:27

Tgt Ion:	225	Resp:	1711343
Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.6	75.8
227	65.4	52.2	78.2





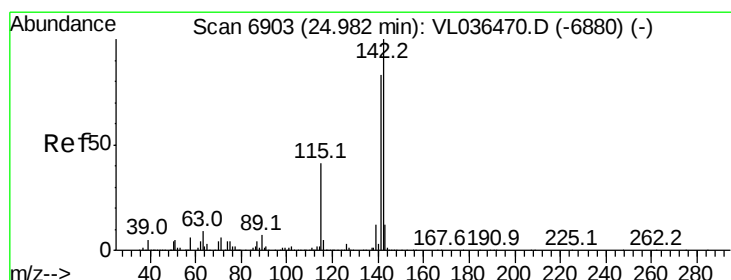
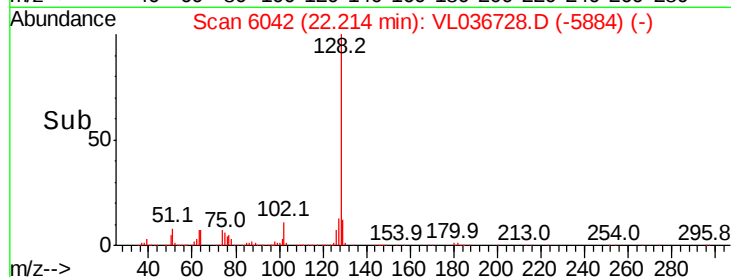
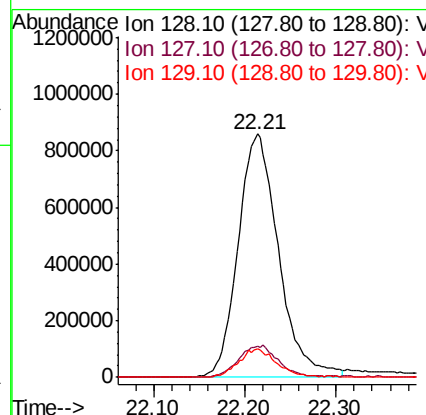
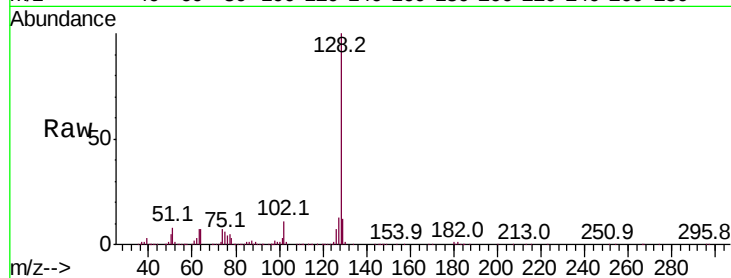
#79
Naphthalene
Concen: 10.763 ppbv
RT: 22.21 min Scan# 6042
Delta R.T. 0.01 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot	Ion:128	Resp: 2650671	
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.9	16.3
129	11.9	9.0	13.4

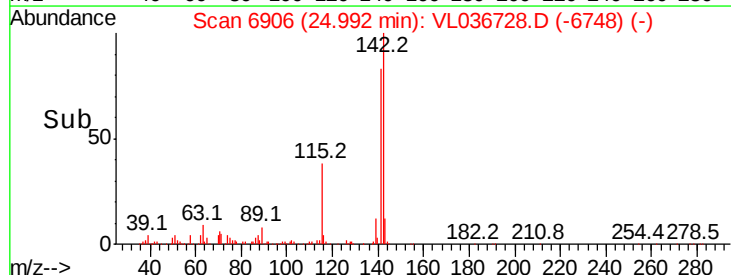
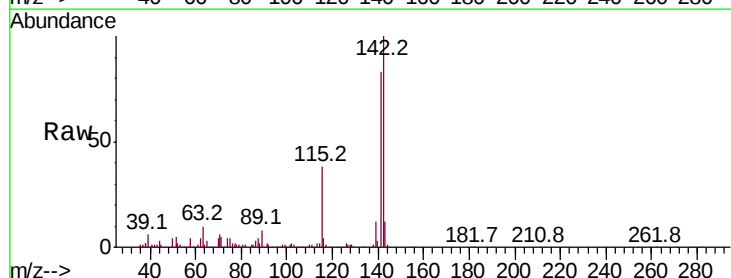
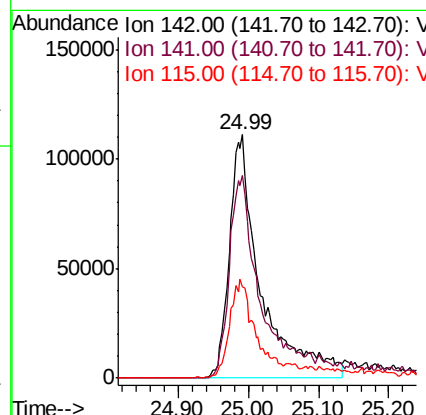
Manual Integrations
APPROVED

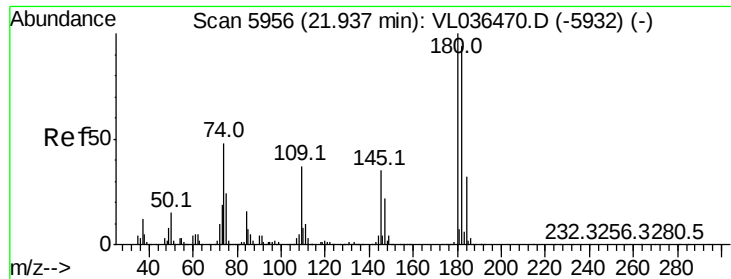
MMDadoda
4/12/2021 11:15:28 AM



#80
Naphthalene, 2-methyl-
Concen: 7.130 ppbv
RT: 24.99 min Scan# 6906
Delta R.T. 0.01 min
Lab File: VL036728.D
Acq: 7 Apr 2021 15:27

Tgt Ion	142	Resp: Lower	346249 Upper
	Ratio		
142	100		
141	90.2	67.8	101.8
115	40.6	34.0	51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 10.511 ppbv
 RT: 21.94 min Scan# 5958
 Delta R.T. 0.01 min
 Lab File: VL036728.D
 Acq: 7 Apr 2021 15:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.2	80.8	121.2
184	31.8	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:15:28 AM

