

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012221\
 Data File : VL036270.D
 Acq On : 22 Jan 2021 17:14
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 1/26/2021 12:58:31 PM

Quant Time: Jan 23 04:57:30 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1498022	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	3393246	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.11	117	3237432m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2750244	10.26	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	2162637	10.770	ppbv 98
3) Chlorodifluoromethane	3.00	51	2009444	10.922	ppbv 97
4) Chloromethane	3.15	50	972487	10.695	ppbv 94
5) Vinyl Chloride	3.27	62	931597	10.827	ppbv 100
6) Bromomethane	3.48	94	516340	10.734	ppbv 93
7) Chloroethane	3.56	64	339145	11.445	ppbv 93
8) Dichlorotetrafluoroethane	3.20	85	2202434	11.321	ppbv 97
9) Propene	3.01	41	857294	9.785	ppbv 98
10) Heptane	8.14	43	2231536	10.261	ppbv 98
11) Trichlorofluoromethane	3.96	101	2290672	11.221	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1396605	11.284	ppbv 98
13) Ethanol	3.61	45	147672m	10.734	ppbv
14) Bromoethene	3.75	108	608458	10.796	ppbv 98
15) Acetone	3.86	43	1790285	9.758	ppbv 98
16) 1,3-Butadiene	3.34	39	951773	10.649	ppbv 99
17) tert-Butyl alcohol	4.30	59	1508991	9.967	ppbv 100
18) 1,1-Dichloroethene	4.30	96	615487	10.726	ppbv 92
19) Isopropyl Alcohol	3.98	45	988503	8.937	ppbv # 99
20) Methylene Chloride	4.36	84	540702	9.234	ppbv 92
21) Allyl Chloride	4.42	41	1105571	11.071	ppbv 98
22) trans-1,2-Dichloroethene	4.90	96	578506	10.912	ppbv 100
23) Vinyl Acetate	5.09	43	2371747	10.669	ppbv # 98
24) 1,1-Dichloroethane	5.02	63	1759432	10.926	ppbv 98
25) Ethyl Acetate	5.69	43	3785065	10.276	ppbv 99
26) Hexane	5.70	57	1537869	10.028	ppbv 99
27) Carbon Disulfide	4.56	76	1525486	12.440	ppbv 100
28) Methyl tert-Butyl Ether	5.05	73	2080507	10.032	ppbv 97
29) Chloroform	5.77	83	2464668	11.225	ppbv 95
30) Cyclohexane	7.15	84	1262334	10.772	ppbv 98
31) cis-1,2-Dichloroethene	5.56	61	1611704	10.996	ppbv 99
32) 1,1,1-Trichloroethane	6.53	97	2415974	11.376	ppbv 99
34) 2-Butanone	5.26	43	2387878	9.556	ppbv 99
35) Carbon Tetrachloride	7.04	117	2421901	11.297	ppbv 98
36) Benzene	6.91	78	3172665	10.204	ppbv 100
37) 1,2-Dichloroethane	6.32	62	2037865	10.892	ppbv 99
38) Trichloroethene	7.85	130	1032481	8.966	ppbv 96
39) 1,2-Dichloropropane	7.64	63	1312019m	10.393	ppbv
40) 1,4-Dioxane	7.85	88	443731m	9.717	ppbv
41) Tetrahydrofuran	6.06	42	1440564	9.975	ppbv 96
42) Bromodichloromethane	7.81	83	2631441	11.190	ppbv 96
43) Methyl Methacrylate	8.03	69	1424528	10.781	ppbv 96

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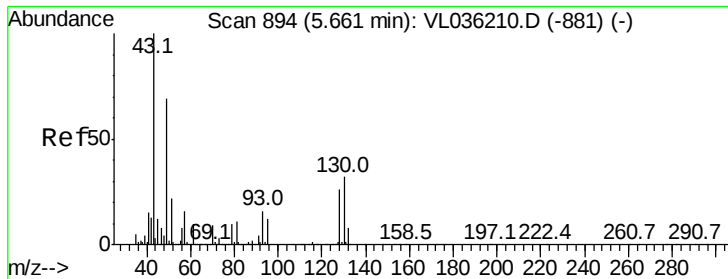
Manual Integrations
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Quant Time: Jan 23 04:57:30 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	5467640	9.574	ppbv	98
45) t-1,3-Dichloropropene	9.30	75	1490253	11.875	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1825897	11.322	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1220190	10.104	ppbv	97
48) Dibromochloromethane	10.33	129	1956028	11.071	ppbv	100
49) Bromoform	13.07	173	1515979	10.279	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	3737371	10.031	ppbv	100
51) 2-Hexanone	10.16	43	3006777	10.229	ppbv #	99
52) Tetrachloroethene	11.24	164	990557	8.646	ppbv	98
53) Toluene	9.82	91	3435890	9.879	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1803557	10.075	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	1463055	10.127	ppbv #	92
57) Chlorobenzene	12.17	112	2390630	9.412	ppbv	97
58) Ethyl Benzene	12.73	91	4644590	9.668	ppbv	98
59) m/p-Xylene	13.02	91	7794952m	18.883	ppbv	
60) o-Xylene	13.72	91	3607592	9.066	ppbv	98
61) Styrene	13.55	104	2481568	9.876	ppbv	99
62) Isopropylbenzene	14.69	105	5249157	8.873	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	2459056	8.300	ppbv	99
64) n-propylbenzene	15.59	120	1337744	9.203	ppbv	99
65) tert-Butylbenzene	16.77	119	4397461	8.772	ppbv	99
66) Benzyl Chloride	17.02	91	1392249	10.871	ppbv	99
67) sec-Butylbenzene	17.32	105	6347173	8.529	ppbv	100
69) p-Isopropyltoluene	17.68	119	5182022	8.781	ppbv	99
70) n-Butylbenzene	18.57	91	5733909	9.118	ppbv	100
71) 2-Chlorotoluene	15.48	91	4151721	8.928	ppbv	100
72) 4-Ethyltoluene	15.87	105	4089226	9.107	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	3836498	8.963	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	3878945	8.835	ppbv	95
75) 1,3-Dichlorobenzene	17.02	146	2058471	8.741	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	2023663	8.698	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	2069008	8.995	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	2006105m	10.905	ppbv	
79) Naphthalene	22.23	128	3989376	15.544	ppbv	97
80) Naphthalene, 2-methyl-	24.99	142	862933	15.758	ppbv	92
81) 1,2,4-Trichlorobenzene	21.96	180	2007136	13.395	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.03 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1498022

Ion Ratio Lower Upper

49 100

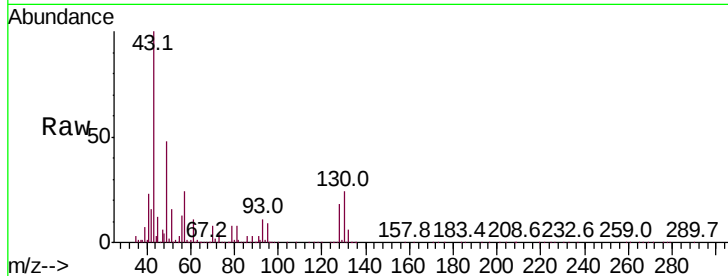
128 41.5 20.1 60.2

130 51.5 25.3 75.9

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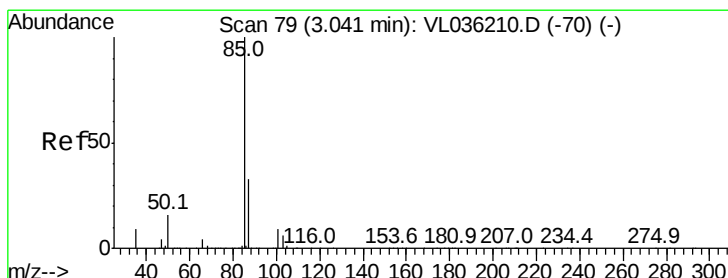
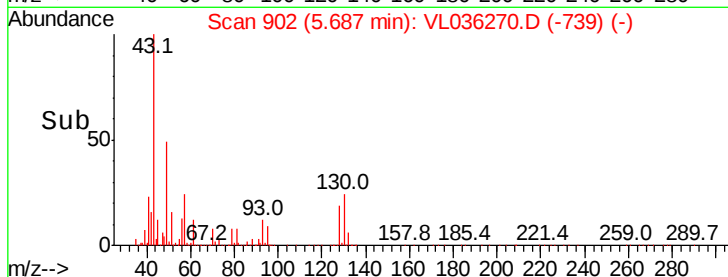
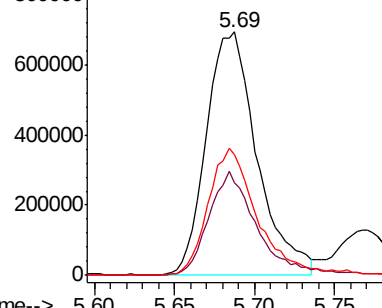
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 10.770 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.02 min

Lab File: VL036270.D

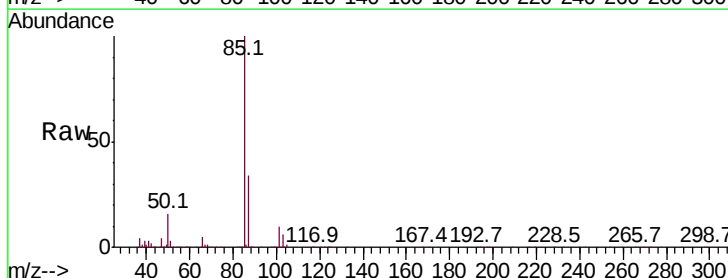
Acq: 22 Jan 2021 17:14

Tgt Ion: 85 Resp: 2162637

Ion Ratio Lower Upper

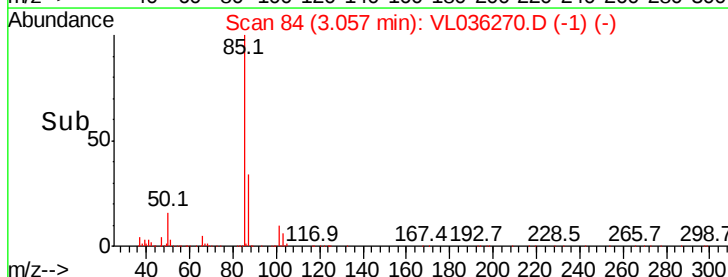
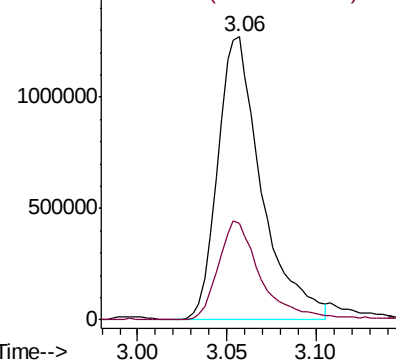
85 100

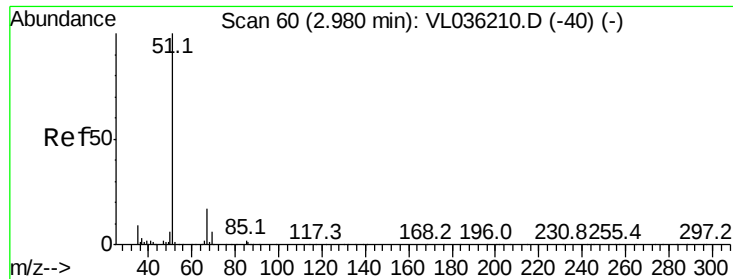
87 34.1 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





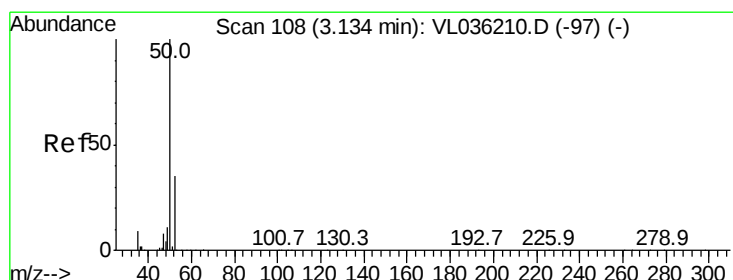
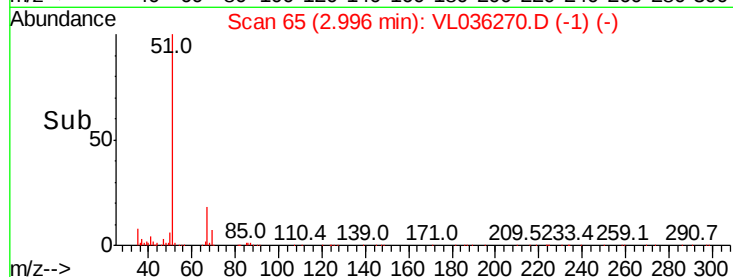
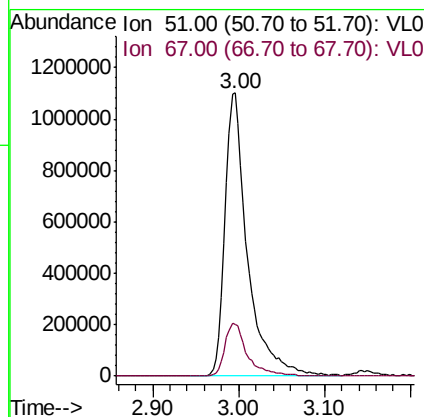
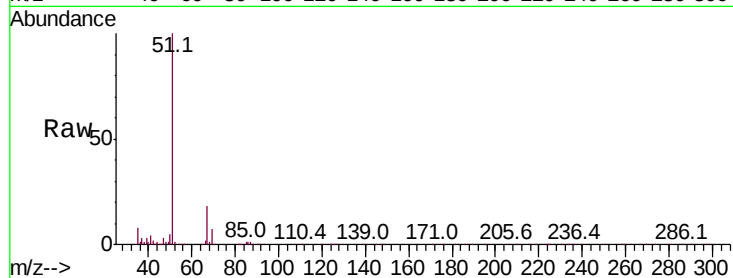
#3
Chlorodifluoromethane
Concen: 10.922 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 51 Resp: 2009444
Ion Ratio Lower Upper
51 100
67 18.8 14.0 21.0

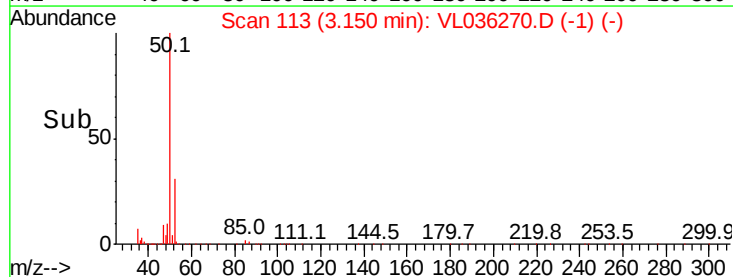
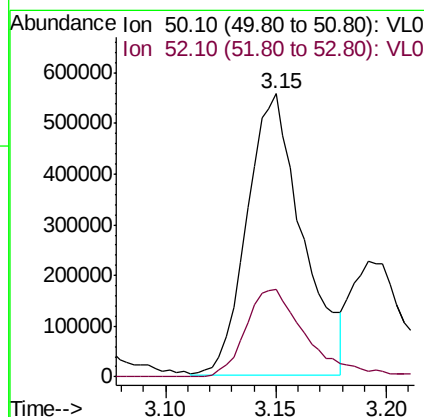
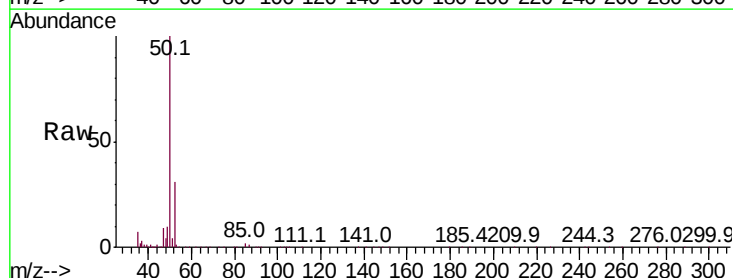
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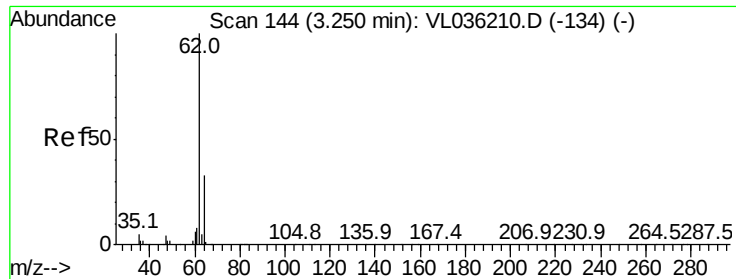
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#4
Chloromethane
Concen: 10.695 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Tgt Ion: 50 Resp: 972487
Ion Ratio Lower Upper
50 100
52 31.3 27.8 41.8





#5

Vinyl Chloride

Concen: 10.827 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 931597

Ion Ratio Lower Upper

62 100

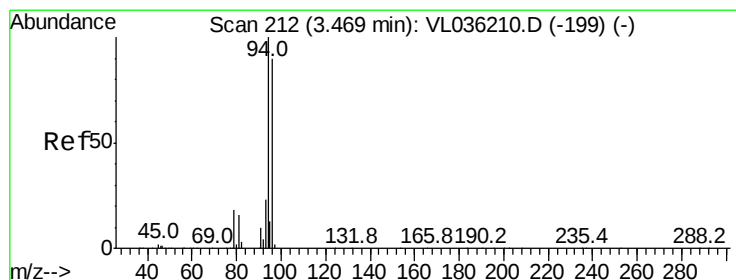
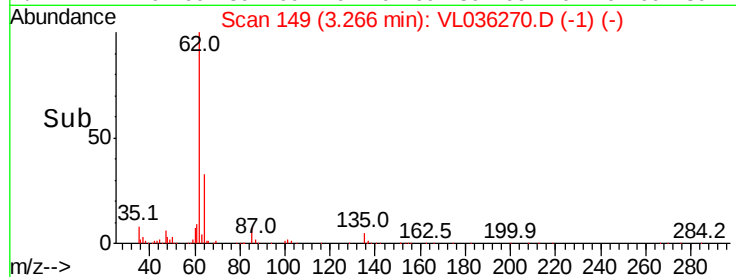
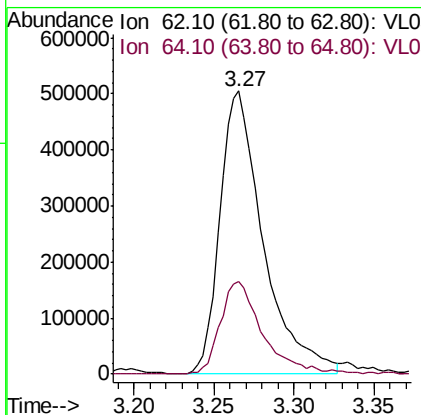
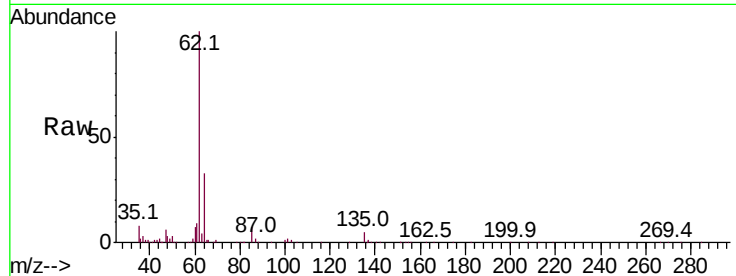
64 32.8 26.2 39.2

Manual Integrations

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#6

Bromomethane

Concen: 10.734 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.01 min

Lab File: VL036270.D

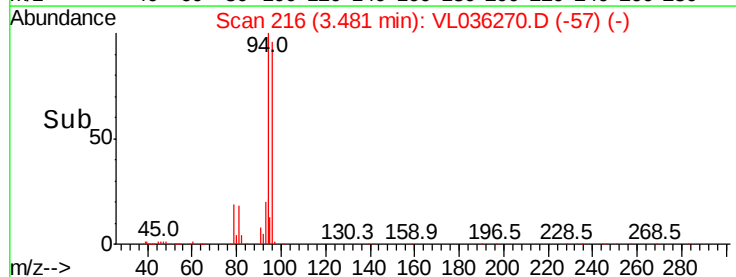
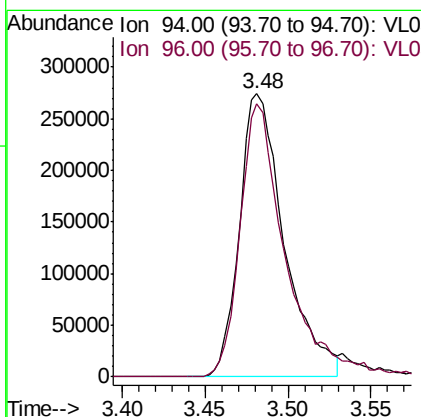
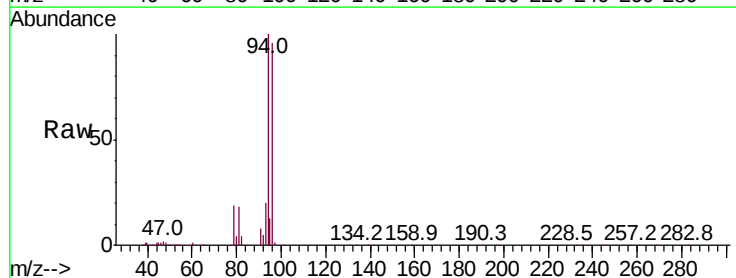
Acq: 22 Jan 2021 17:14

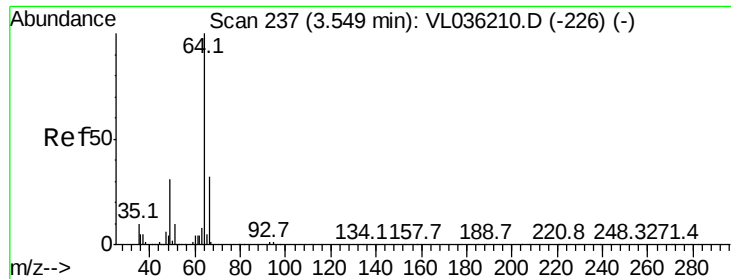
Tgt Ion: 94 Resp: 516340

Ion Ratio Lower Upper

94 100

96 96.3 71.9 107.9





#7

Chloroethane

Concen: 11.445 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 339145

Ion Ratio Lower Upper

64 100

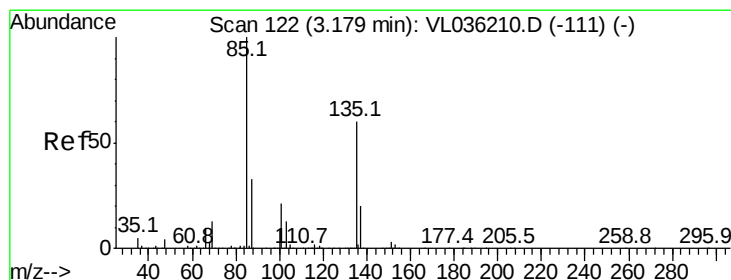
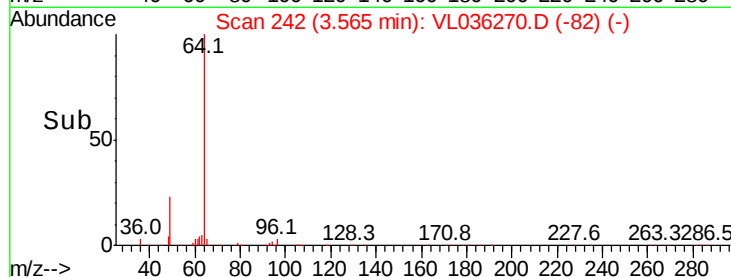
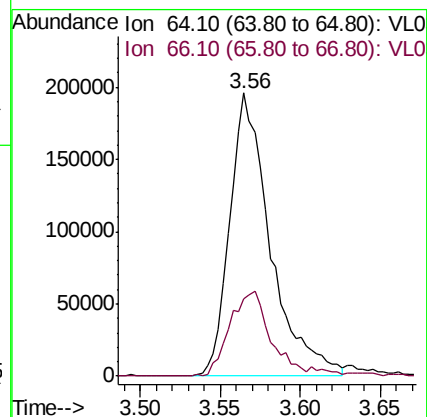
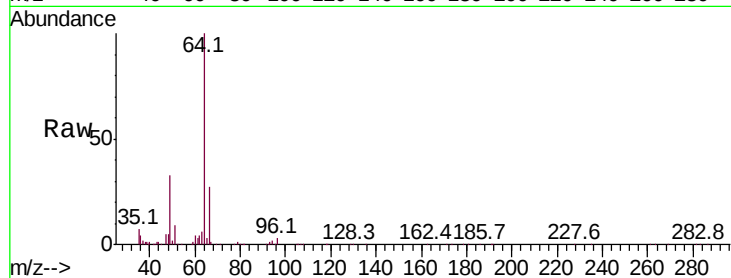
66 27.4 25.2 37.8

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 11.321 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.02 min

Lab File: VL036270.D

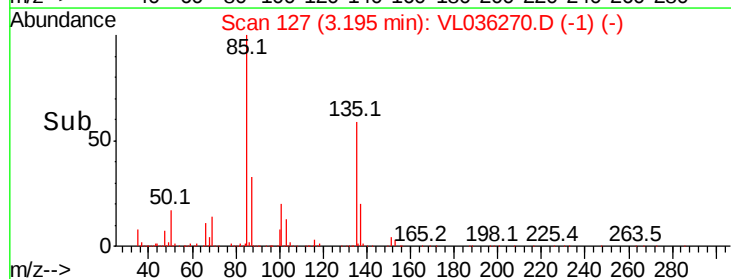
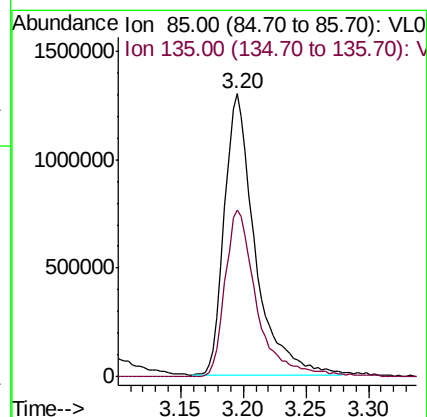
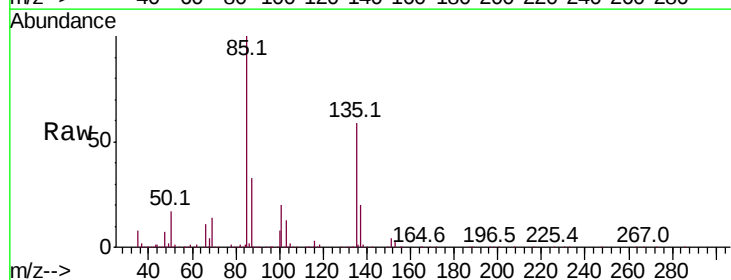
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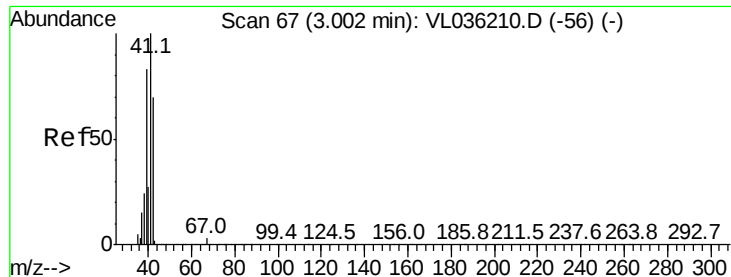
Tgt Ion: 85 Resp: 2202434

Ion Ratio Lower Upper

85 100

135 62.0 51.5 77.3





#9

Propene

Concen: 9.785 ppbv

RT: 3.01 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 857294

Ion Ratio Lower Upper

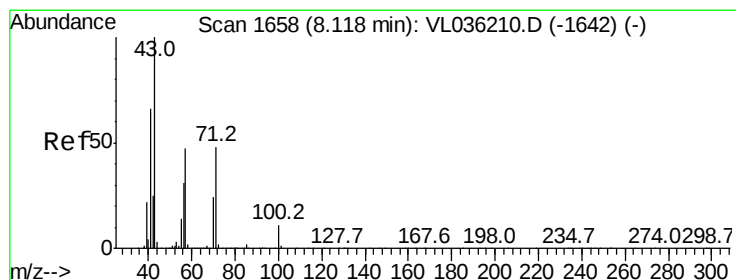
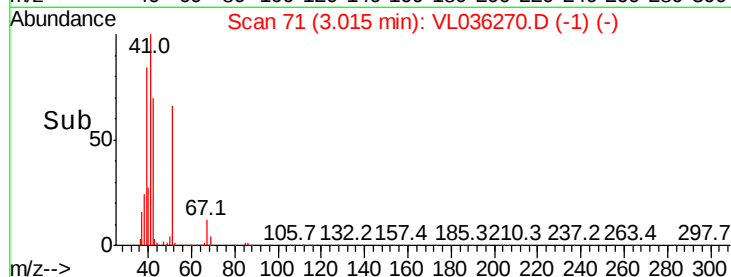
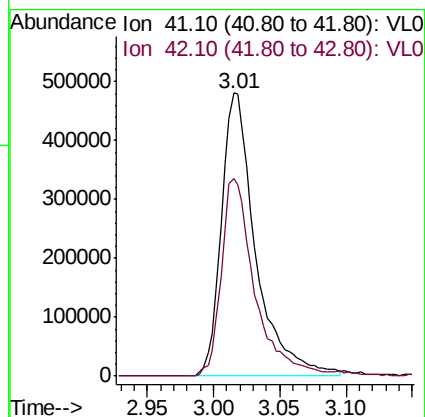
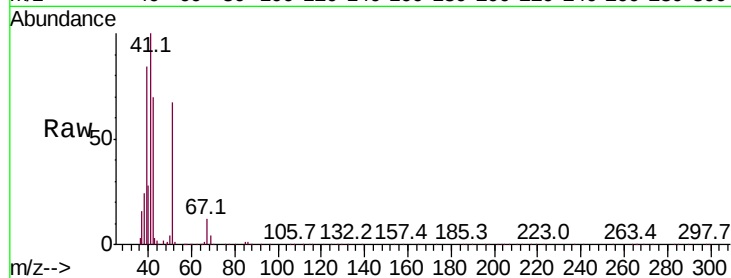
41 100

42 69.7 57.1 85.7

Manual Integrations
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#10

Heptane

Concen: 10.261 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.02 min

Lab File: VL036270.D

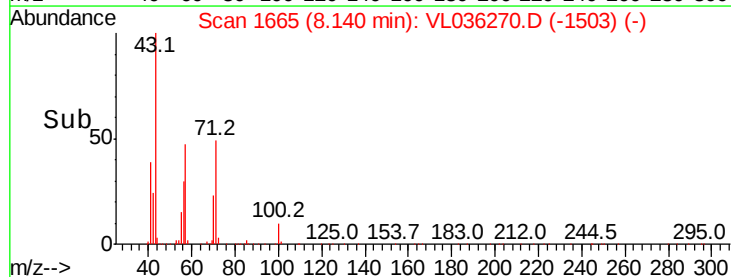
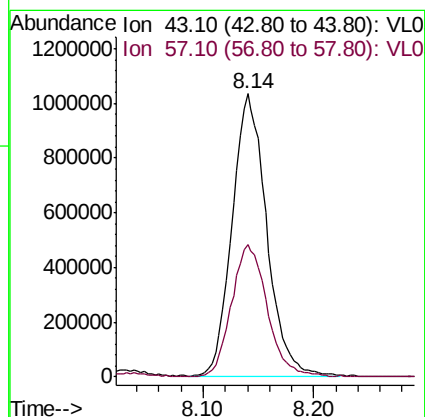
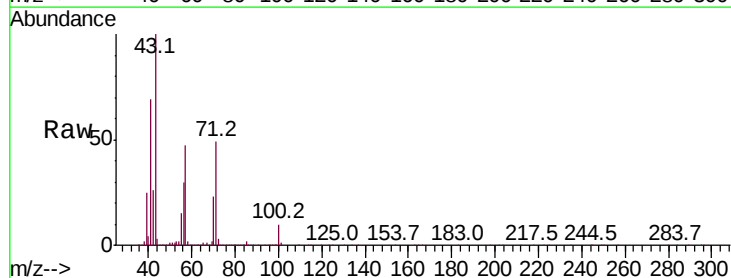
Acq: 22 Jan 2021 17:14

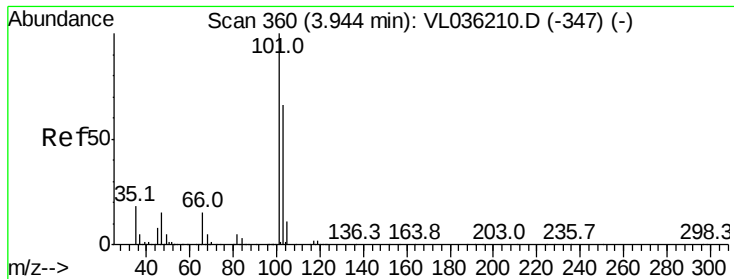
Tgt Ion: 43 Resp: 2231536

Ion Ratio Lower Upper

43 100

57 48.9 38.1 57.1





#11

Trichlorofluoromethane

Concen: 11.221 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 2290672

Ion Ratio Lower Upper

101 100

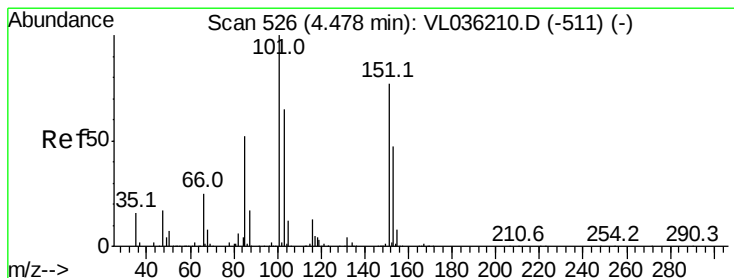
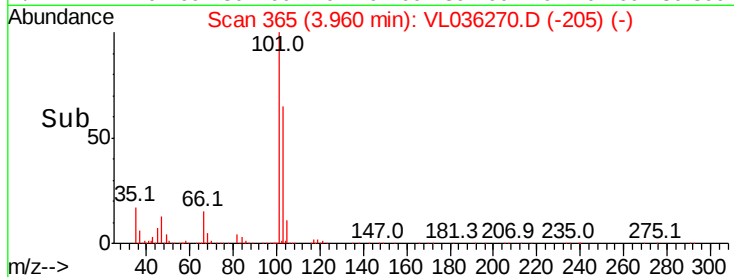
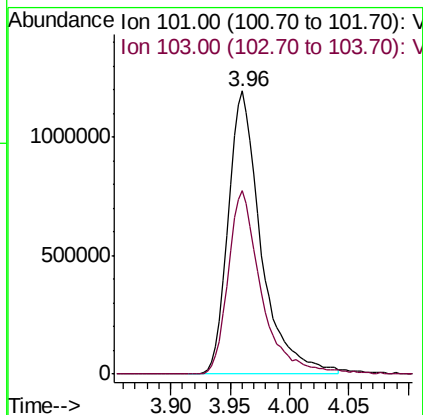
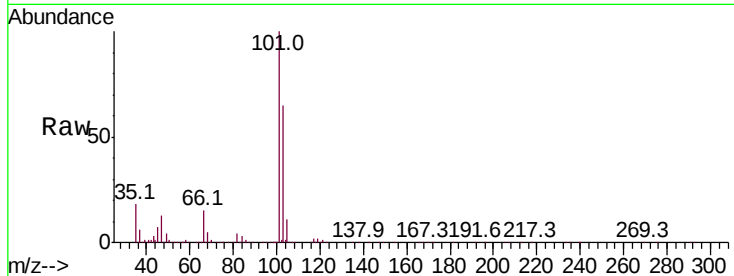
103 64.7 52.6 78.8

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 11.284 ppbv

RT: 4.49 min Scan# 531

Delta R.T. 0.02 min

Lab File: VL036270.D

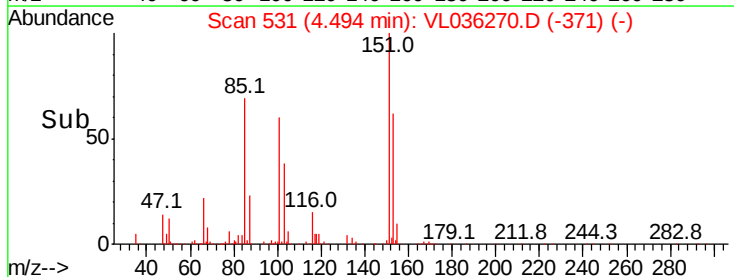
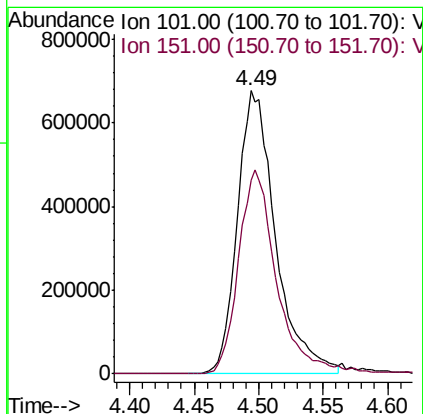
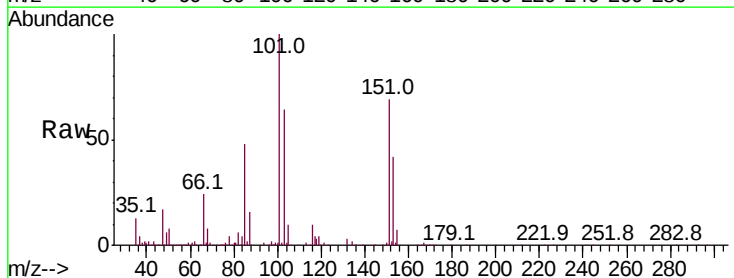
Acq: 22 Jan 2021 17:14

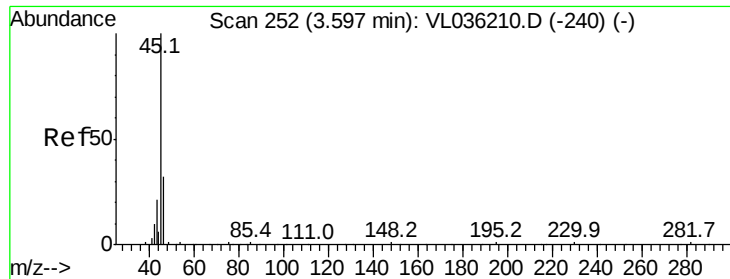
Tgt Ion:101 Resp: 1396605

Ion Ratio Lower Upper

101 100

151 73.0 59.8 89.6





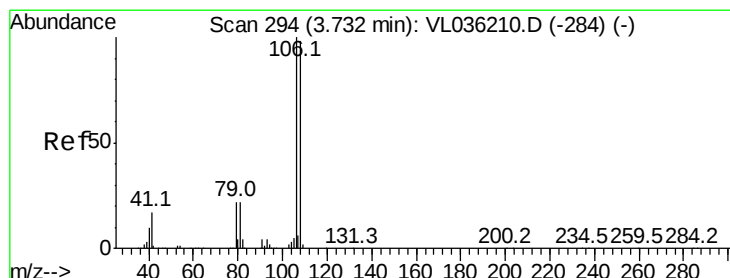
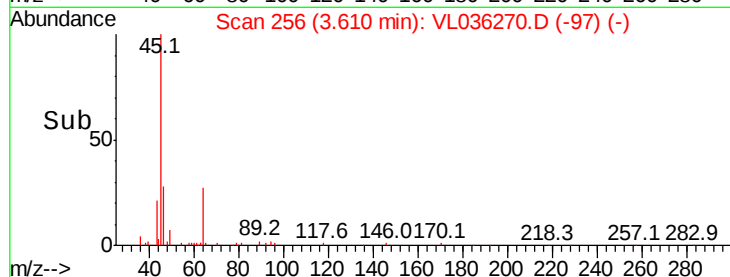
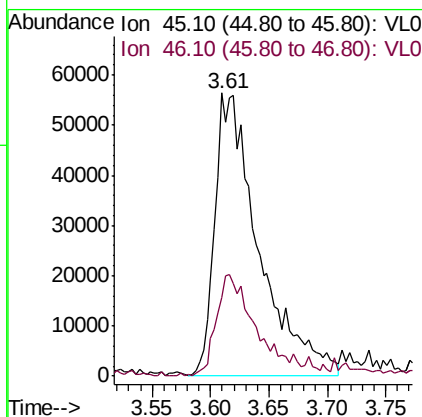
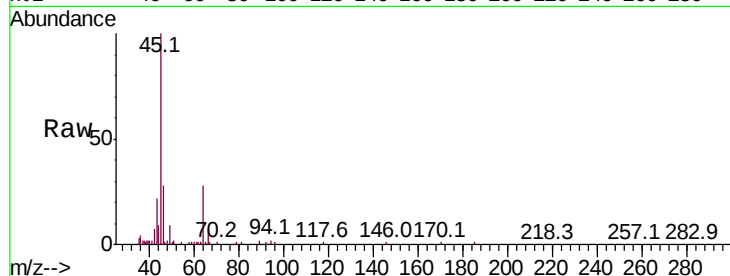
#13
Ethanol
Concen: 10.734 ppbv m
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 147672
Ion Ratio Lower Upper
45 100
46 0.0 19.2 77.0#

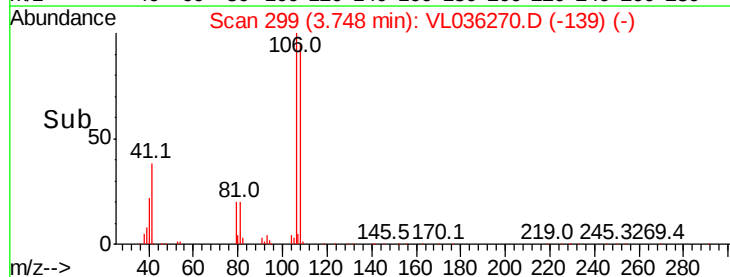
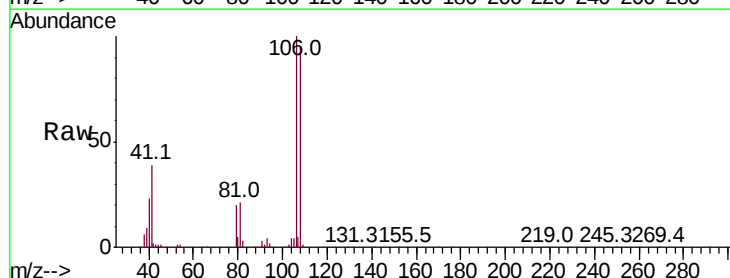
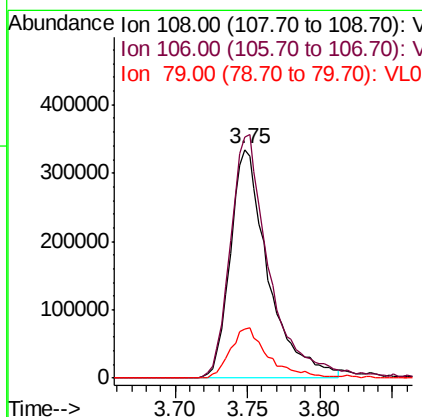
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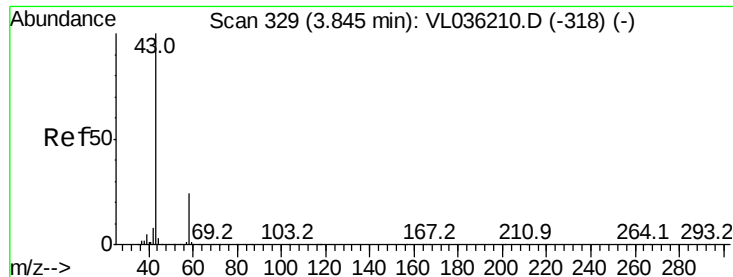
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#14
Bromoethene
Concen: 10.796 ppbv
RT: 3.75 min Scan# 299
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Tgt Ion: 108 Resp: 608458
Ion Ratio Lower Upper
108 100
106 111.4 91.4 137.2
79 23.2 18.3 27.5





#15

Acetone

Concen: 9.758 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1790285

Ion Ratio Lower Upper

43 100

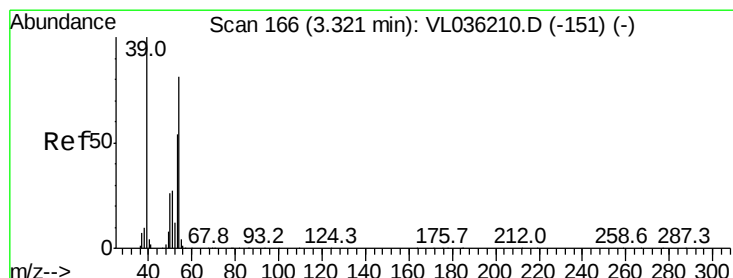
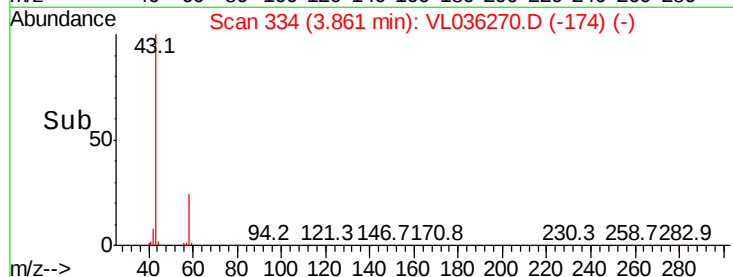
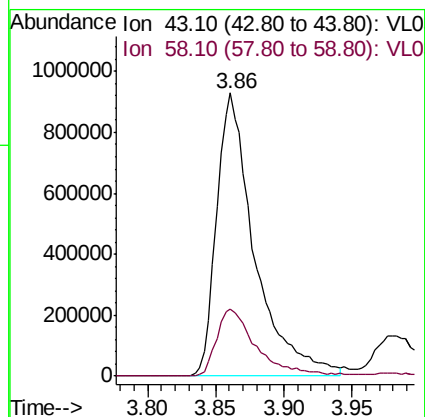
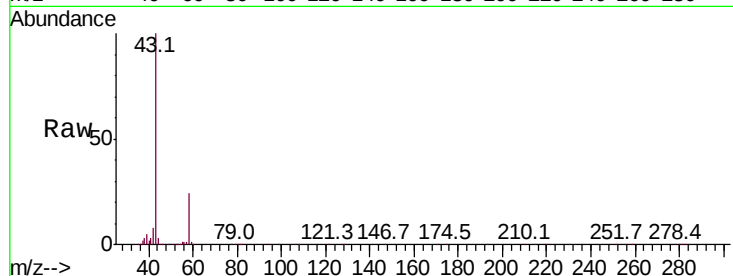
58 25.2 20.9 31.3

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#16

1,3-Butadiene

Concen: 10.649 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.02 min

Lab File: VL036270.D

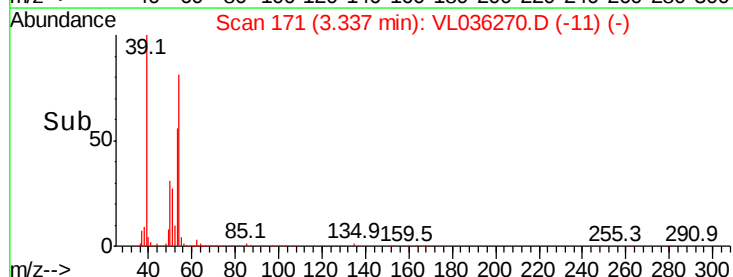
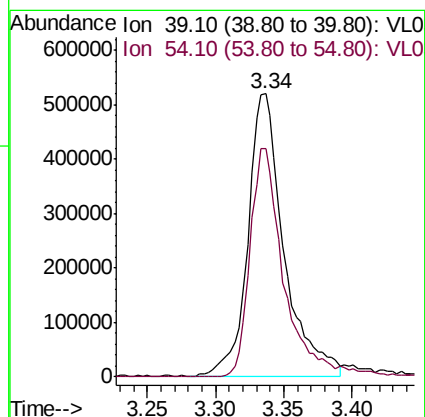
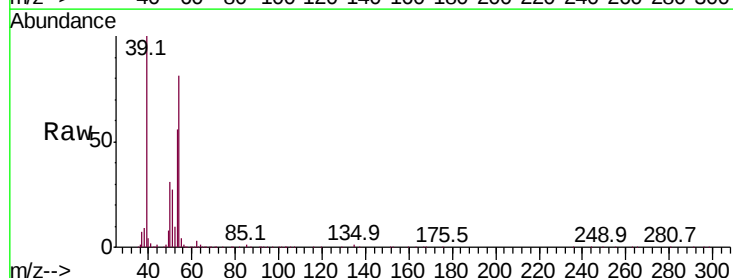
Acq: 22 Jan 2021 17:14

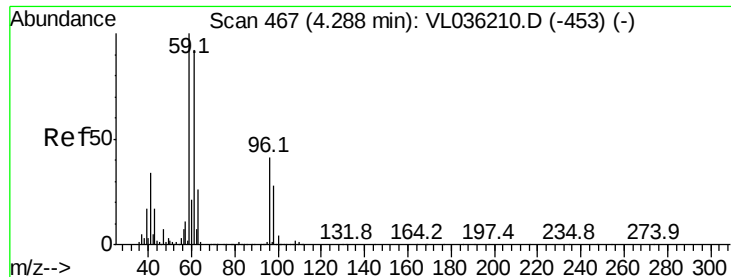
Tgt Ion: 39 Resp: 951773

Ion Ratio Lower Upper

39 100

54 77.1 62.5 93.7





#17

tert-Butyl alcohol

Concen: 9.967 ppbv

RT: 4.30 min Scan# 472

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

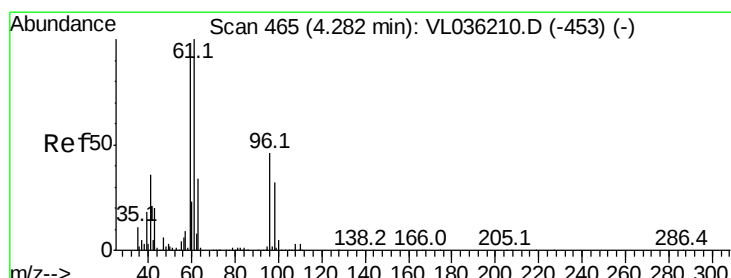
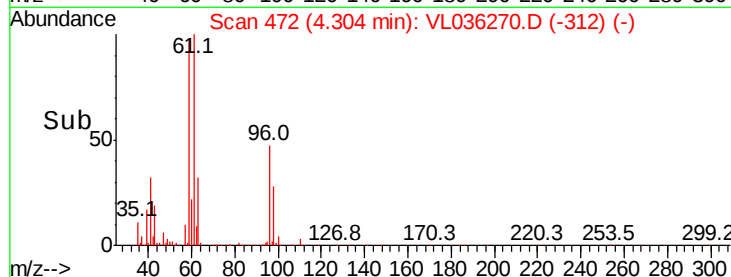
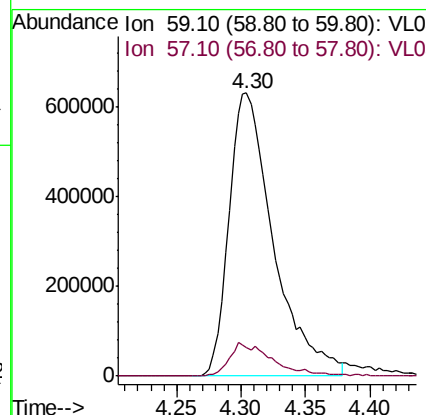
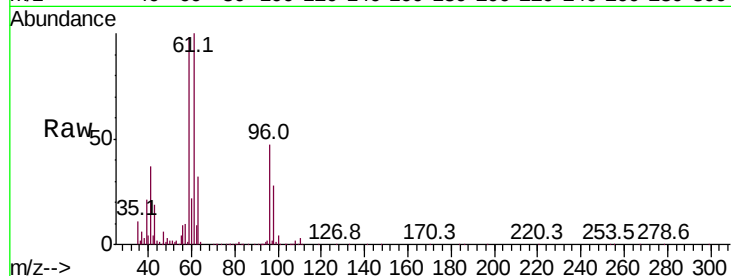
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1508991

Ion	Ratio	Lower	Upper
59	100		
57	11.5	9.2	13.8

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#18

1,1-Dichloroethene

Concen: 10.726 ppbv

RT: 4.30 min Scan# 471

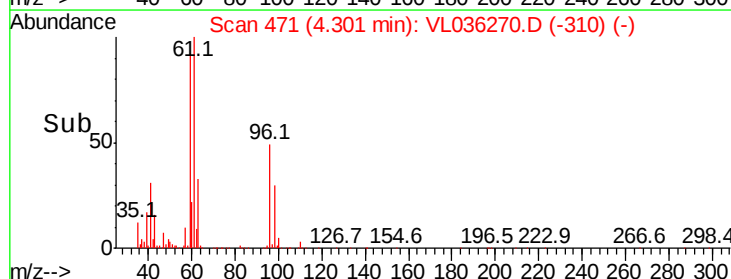
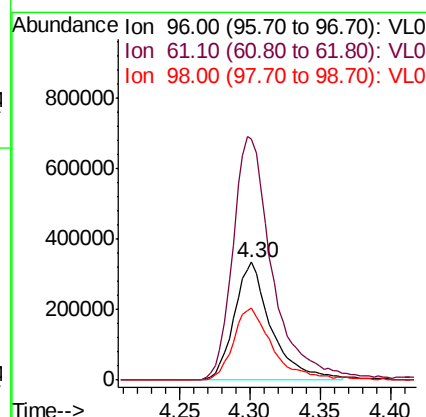
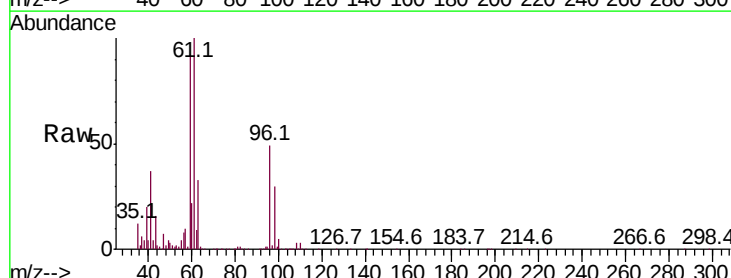
Delta R.T. 0.02 min

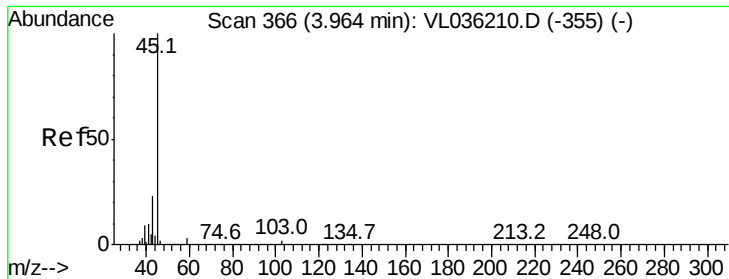
Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Tgt Ion: 96 Resp: 615487

Ion	Ratio	Lower	Upper
96	100		
61	204.7	173.4	260.0
98	61.4	54.9	82.3





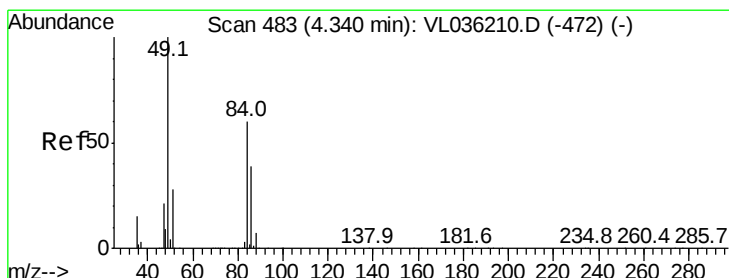
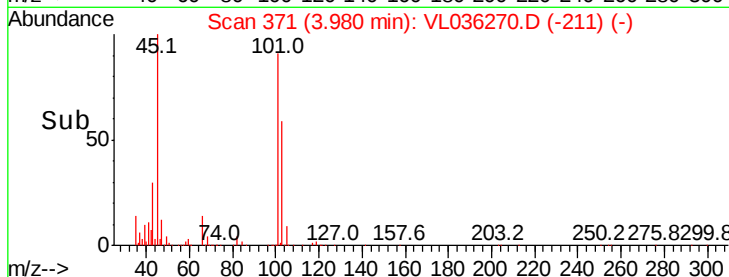
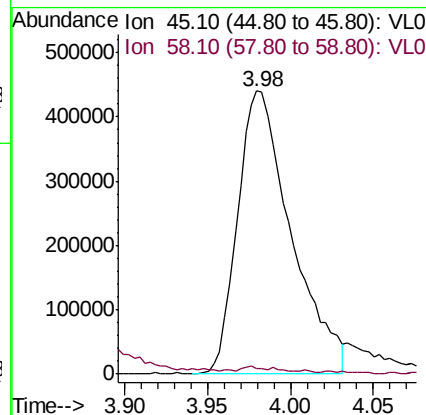
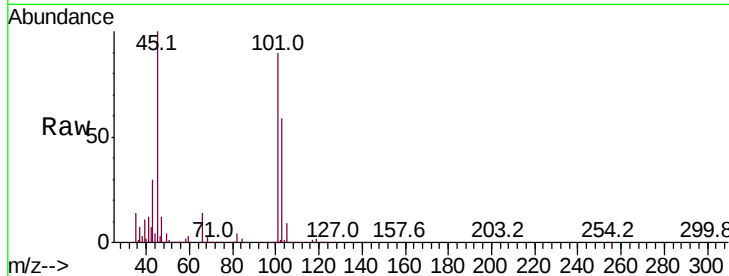
#19
Isopropyl Alcohol
Concen: 8.937 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.9	1.9	2.9#

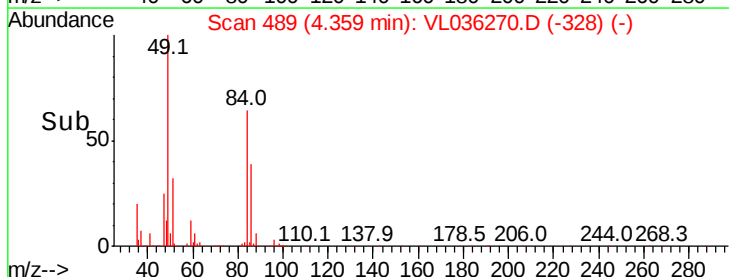
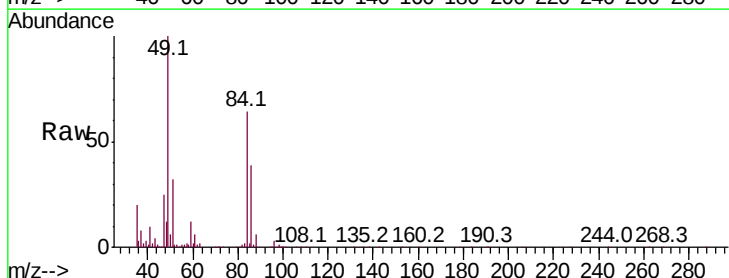
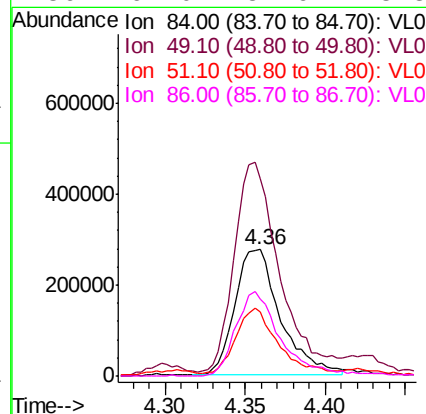
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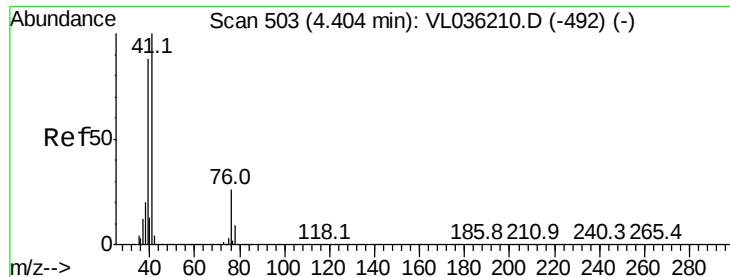
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#20
Methylene Chloride
Concen: 9.234 ppbv
RT: 4.36 min Scan# 489
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	153.4	134.1	201.1
51	47.9	37.4	56.0
86	61.0	52.6	78.8





#21

Allvl Chloride

Concen: 11.071 ppbv

RT: 4.42 min Scan# 509

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 1105571

Ion Ratio Lower Upper

41 100

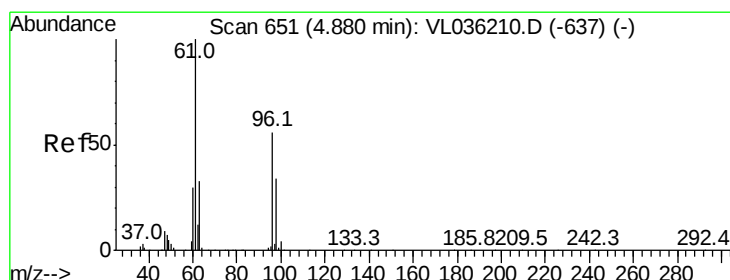
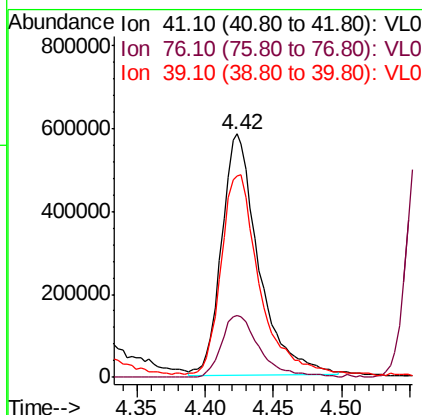
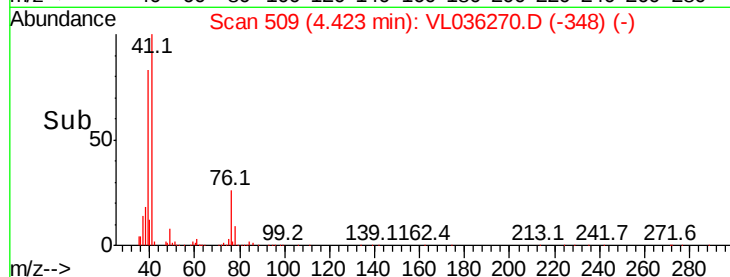
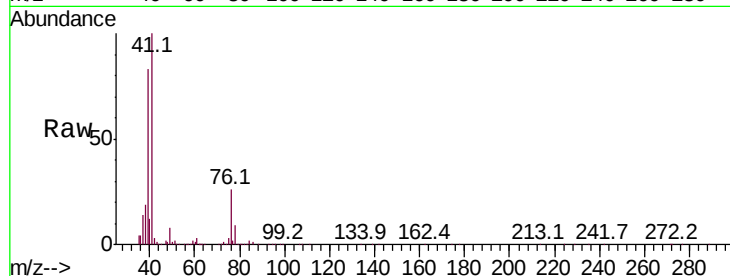
76 26.8 20.5 30.7

39 86.2 67.8 101.8

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#22

trans-1,2-Dichloroethene

Concen: 10.912 ppbv

RT: 4.90 min Scan# 657

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

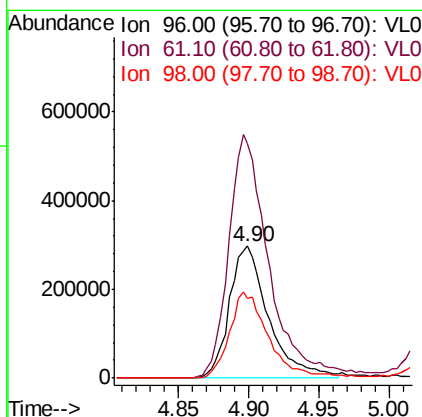
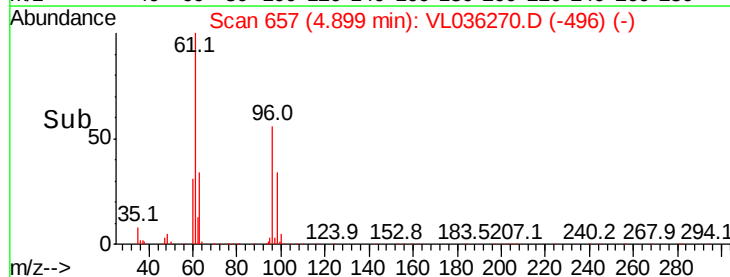
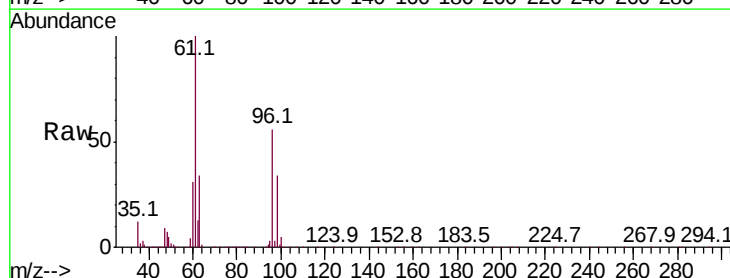
Tgt Ion: 96 Resp: 578506

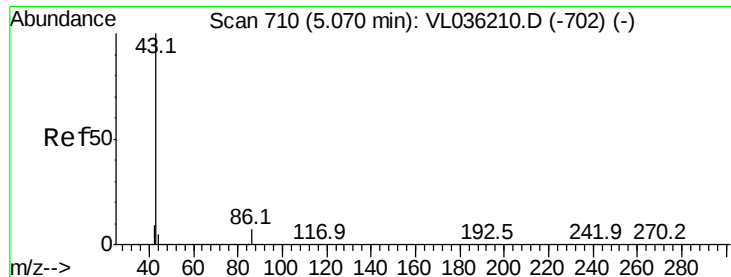
Ion Ratio Lower Upper

96 100

61 177.9 142.7 214.1

98 60.5 48.7 73.1





#23

Vinyl Acetate

Concen: 10.669 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2371747

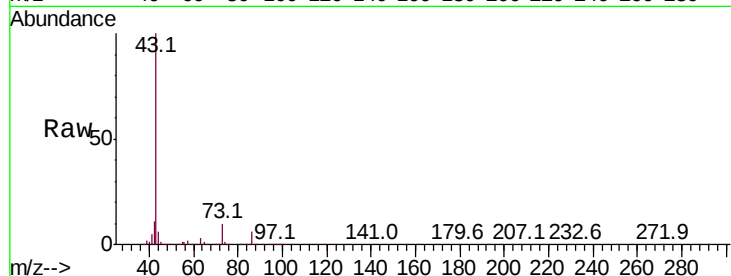
Ion Ratio Lower Upper

43	100		
86	6.0	4.9	7.3
42	10.9	7.8	11.6
44	5.7	3.7	5.5

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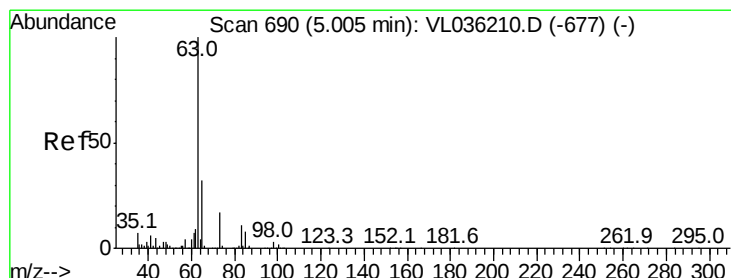
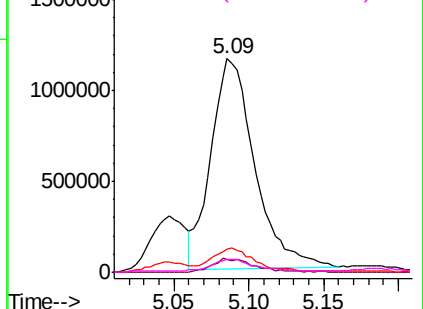
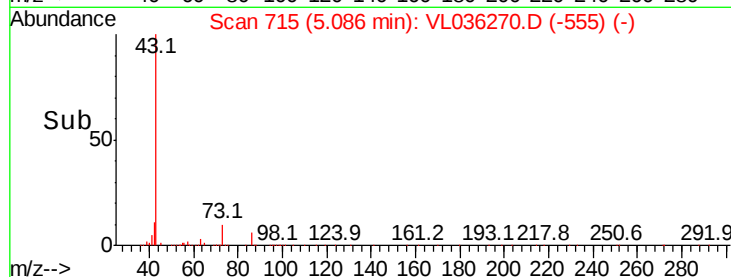


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.926 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.02 min

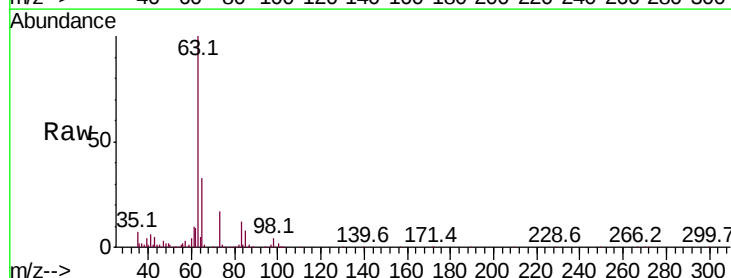
Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Tgt Ion: 63 Resp: 1759432

Ion Ratio Lower Upper

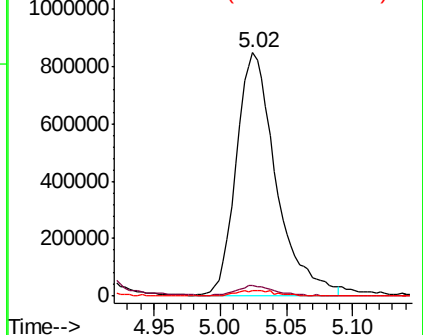
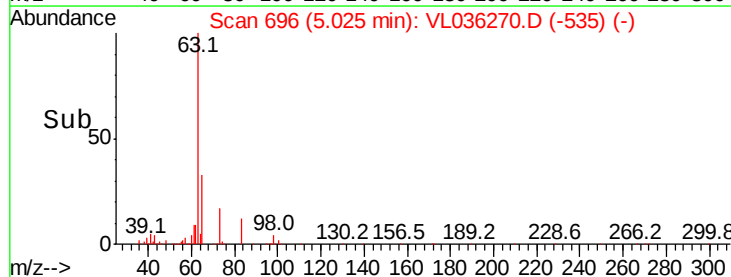
63	100		
98	4.3	1.7	5.1
100	2.3	1.1	3.1

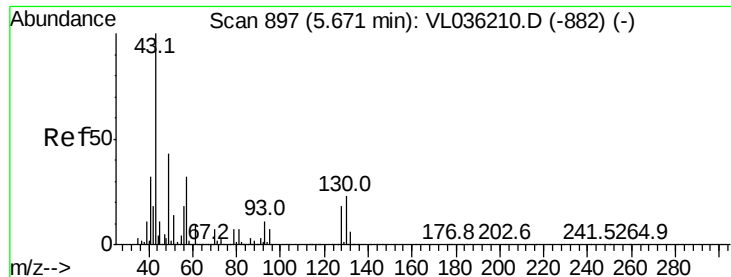


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 10.276 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

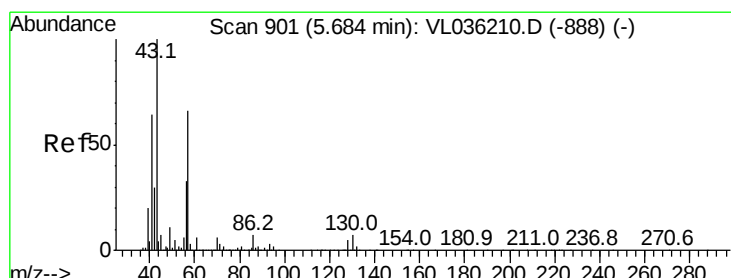
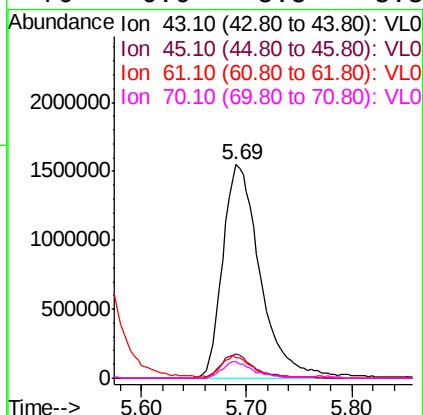
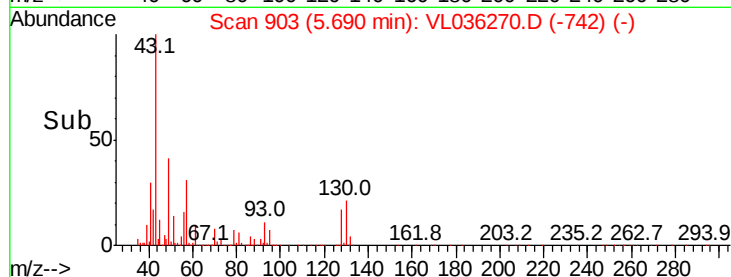
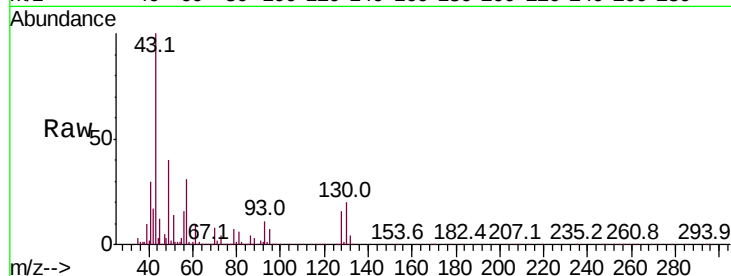
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 3785065

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.3	12.5
61	9.1	7.4	11.2
70	6.6	5.5	8.3

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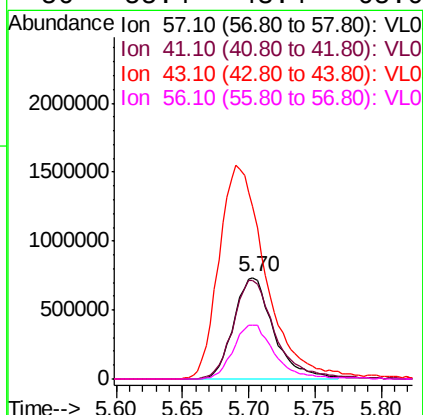
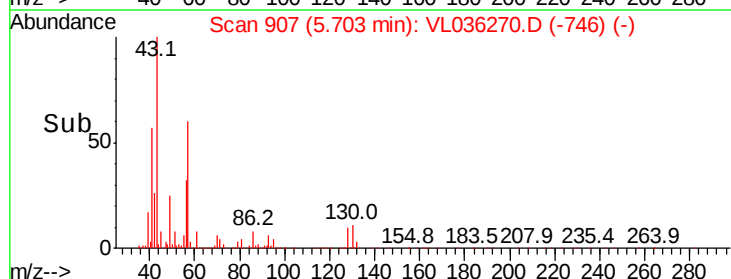
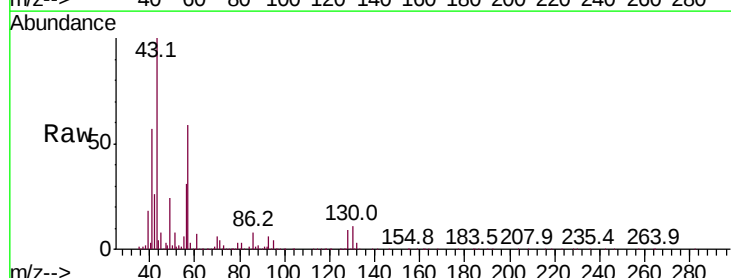
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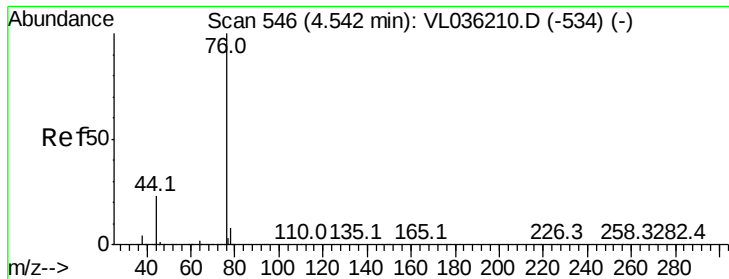


#26
Hexane
Concen: 10.028 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Tgt Ion: 57 Resp: 1537869

Ion	Ratio	Lower	Upper
57	100		
41	103.8	83.0	124.6
43	249.6	202.4	303.6
56	55.4	43.4	65.0





#27

Carbon Disulfide

Concen: 12.440 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

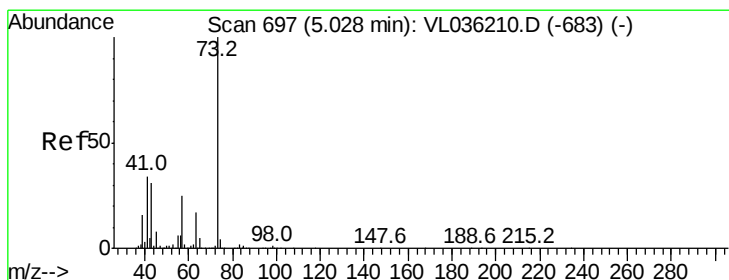
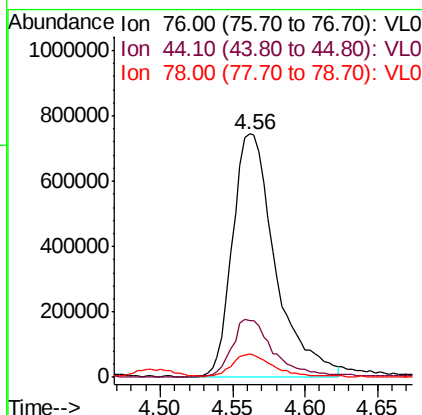
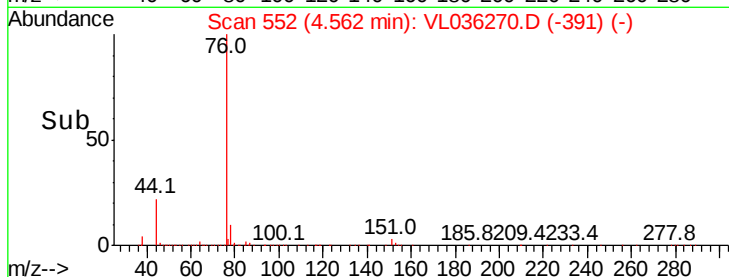
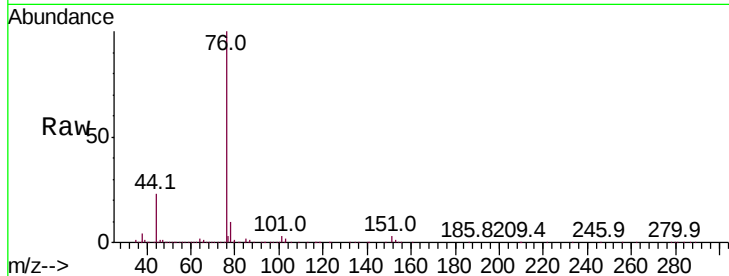
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 76 Resp: 1525486

Ion	Ratio	Lower	Upper
76	100		
44	23.7	19.0	28.6
78	10.0	8.0	12.0

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 10.032 ppbv

RT: 5.05 min Scan# 703

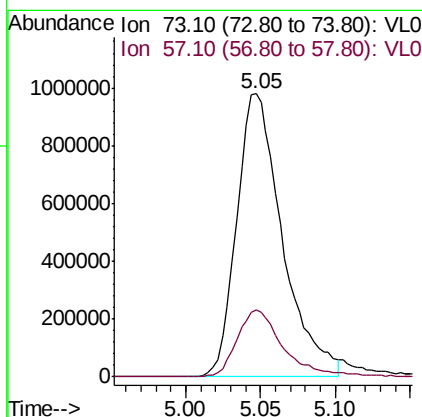
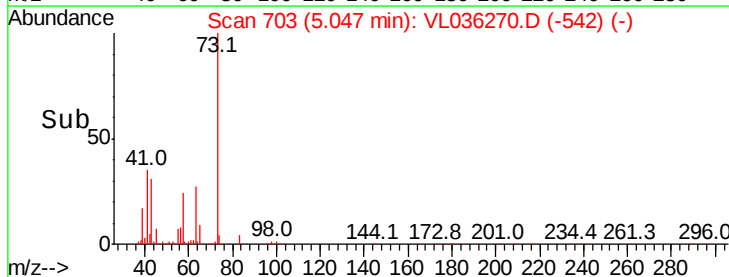
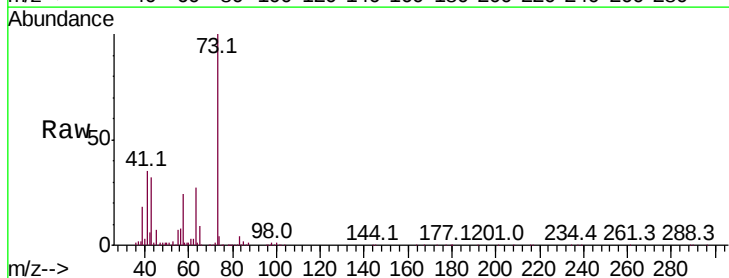
Delta R.T. 0.02 min

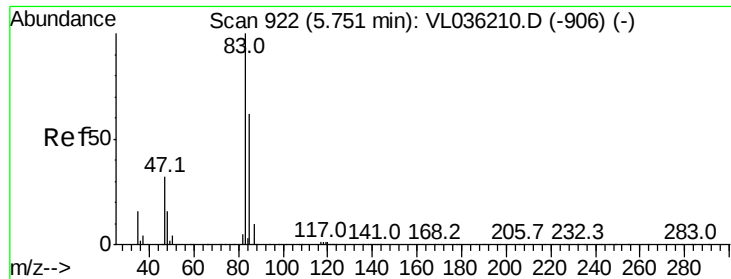
Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Tgt Ion: 73 Resp: 2080507

Ion	Ratio	Lower	Upper
73	100		
57	24.2	20.4	30.6





#29

Chloroform

Concen: 11.225 ppbv

RT: 5.77 min Scan# 928

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 2464668

Ion Ratio Lower Upper

83 100

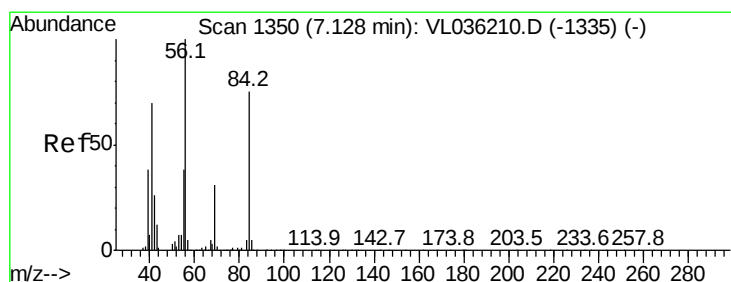
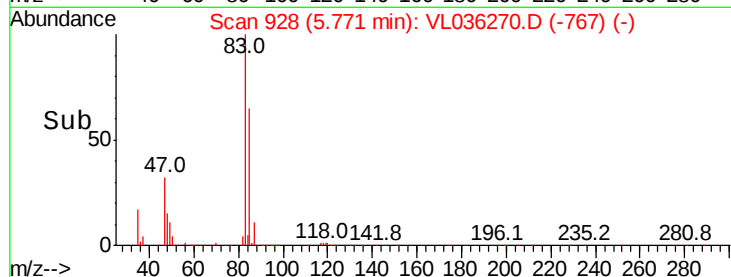
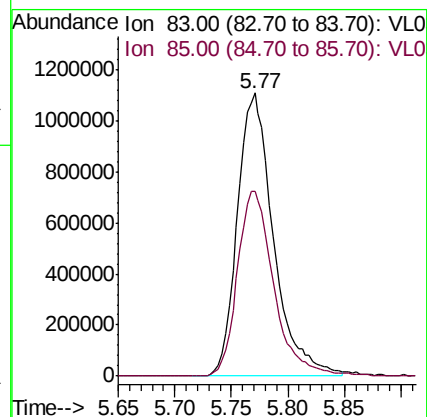
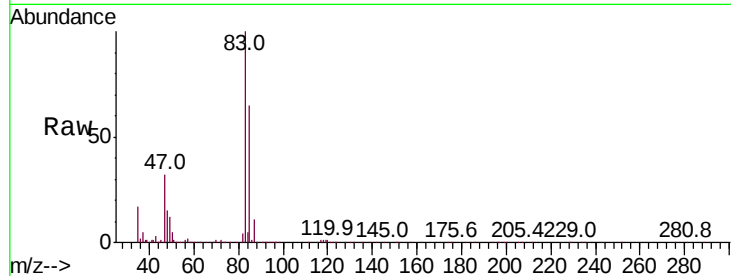
85 65.3 49.3 73.9

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#30

Cyclohexane

Concen: 10.772 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

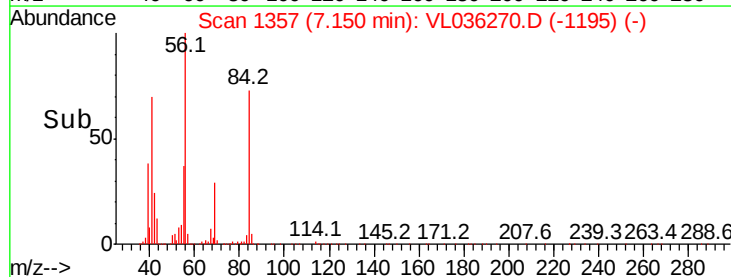
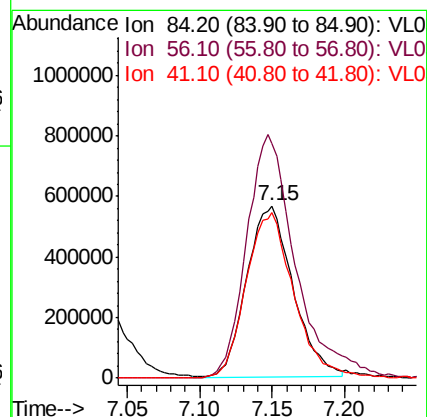
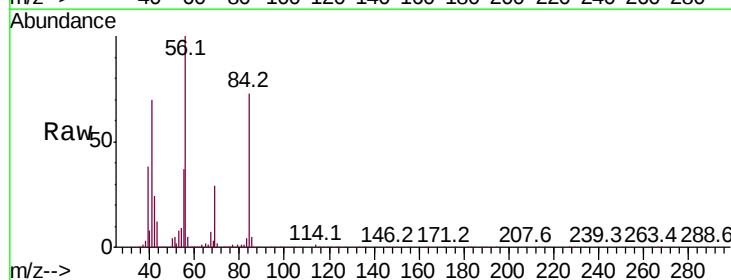
Tgt Ion: 84 Resp: 1262334

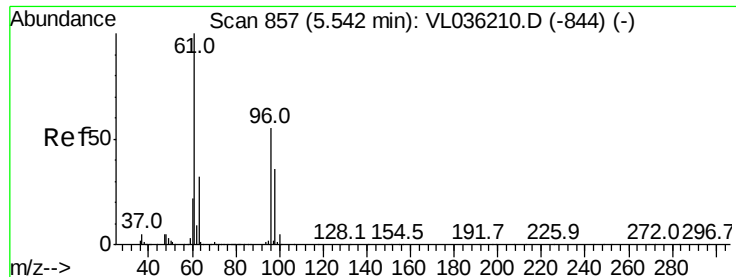
Ion Ratio Lower Upper

84 100

56 151.8 119.4 179.0

41 99.9 79.4 119.0





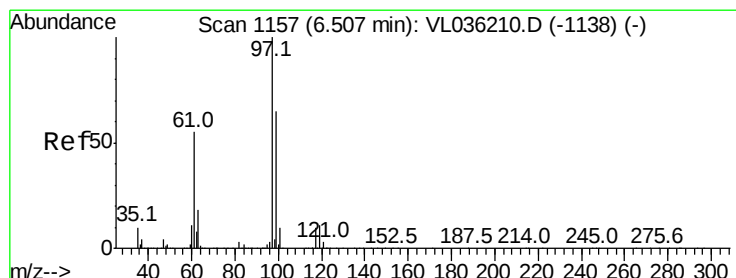
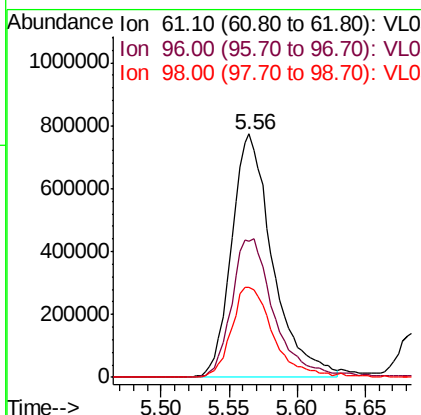
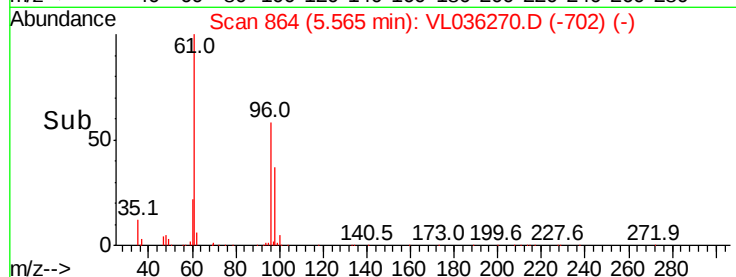
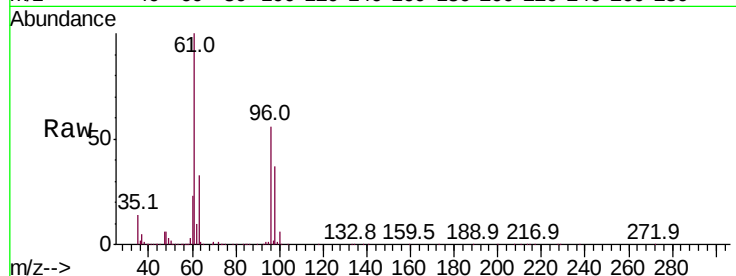
#31
 cis-1,2-Dichloroethene
 Concen: 10.996 ppbv
 RT: 5.56 min Scan# 864
 Delta R.T. 0.02 min
 Lab File: VL036270.D
 Acq: 22 Jan 2021 17:14

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	55.6	44.1	66.1
98	37.1	28.6	42.8

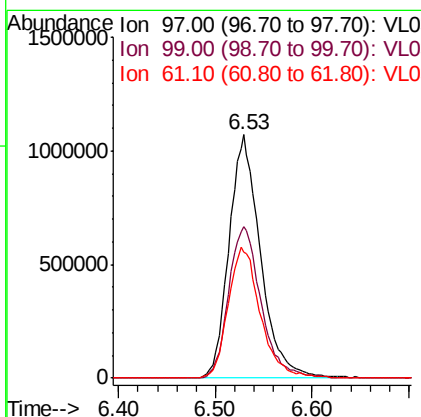
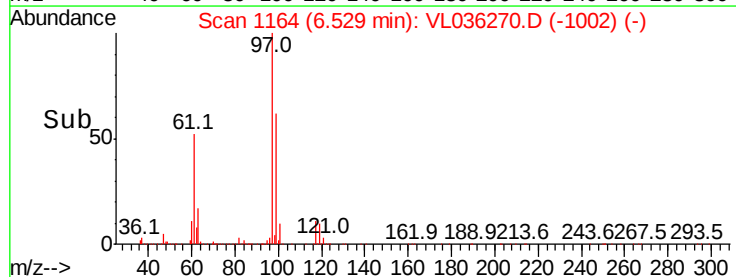
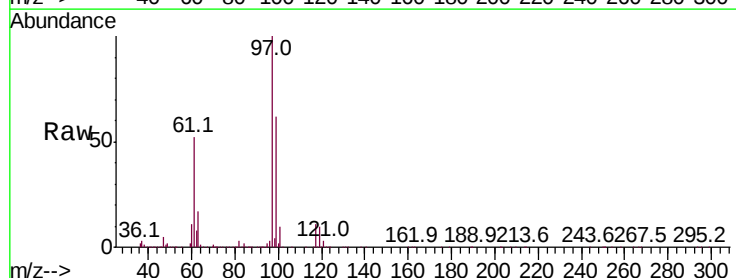
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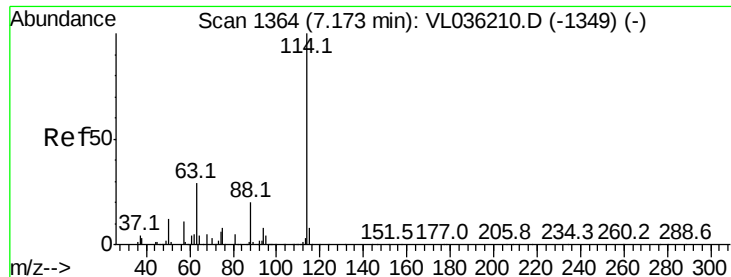
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#32
 1,1,1-Trichloroethane
 Concen: 11.376 ppbv
 RT: 6.53 min Scan# 1164
 Delta R.T. 0.02 min
 Lab File: VL036270.D
 Acq: 22 Jan 2021 17:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.0	78.0
61	55.6	43.6	65.4





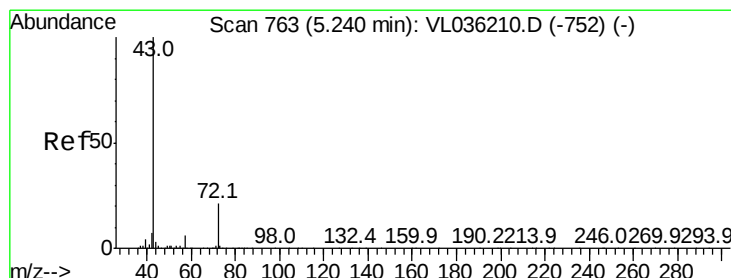
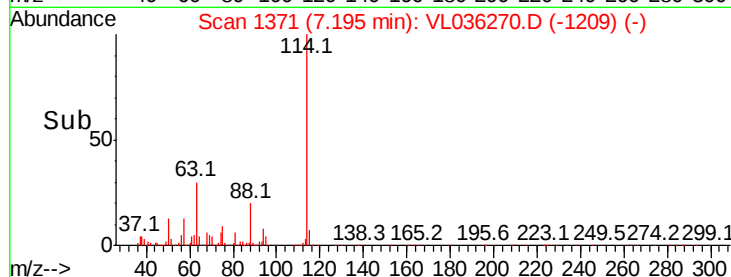
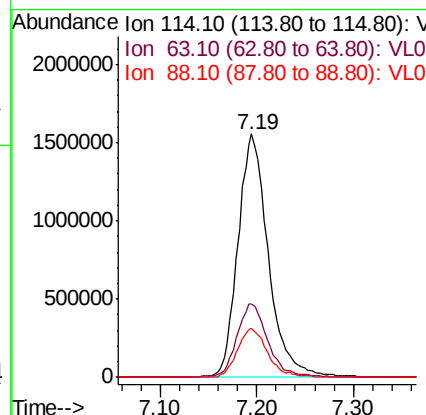
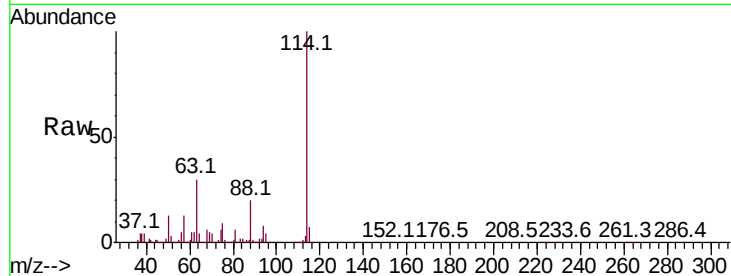
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. 0.02 min
 Lab File: VL036270.D
 Acq: 22 Jan 2021 17:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	31.2	24.7	37.1
88	20.4	16.6	24.8

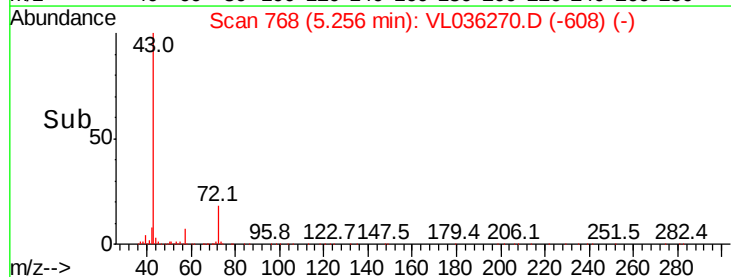
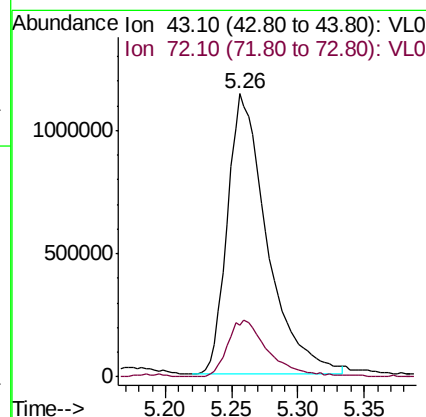
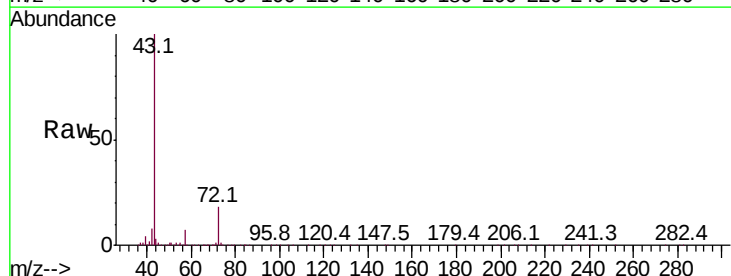
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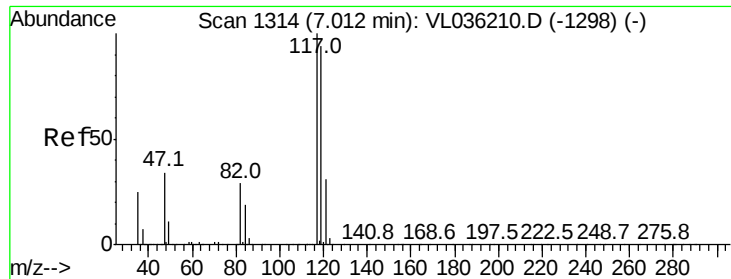
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#34
 2-Butanone
 Concen: 9.556 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.02 min
 Lab File: VL036270.D
 Acq: 22 Jan 2021 17:14

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.4	16.1	24.1





#35

Carbon Tetrachloride

Concen: 11.297 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.03 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2421901

Ion Ratio Lower Upper

117 100

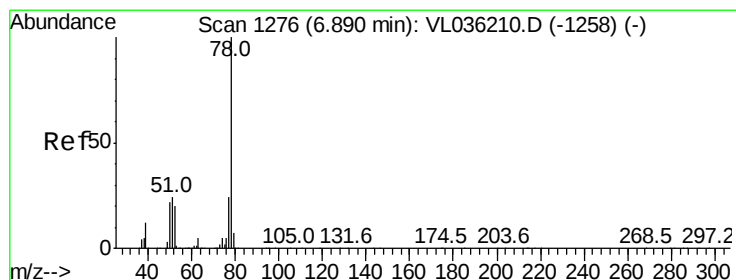
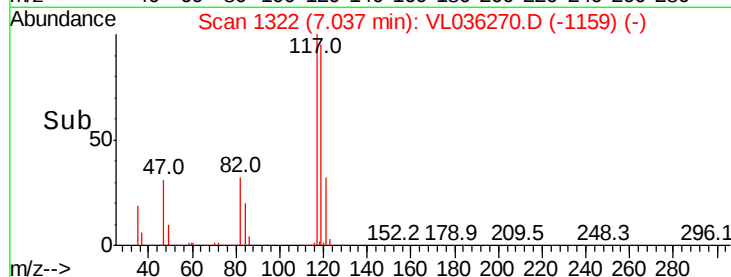
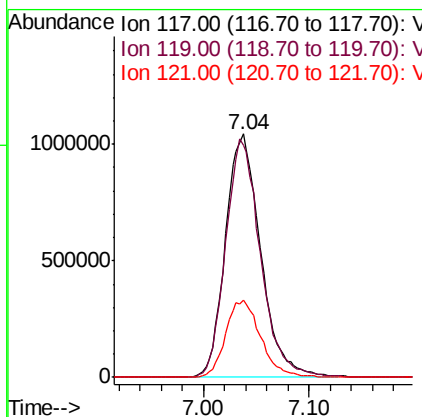
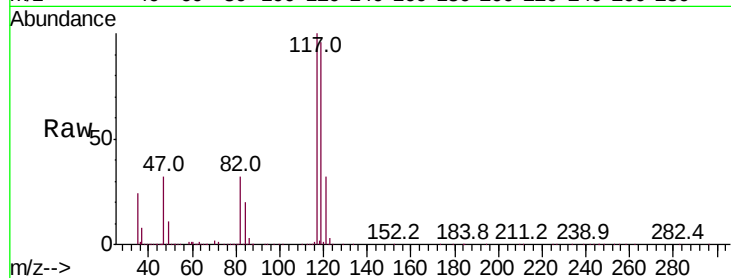
119 95.5 74.9 112.3

121 31.7 25.0 37.6

Manual Integrations
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#36

Benzene

Concen: 10.204 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

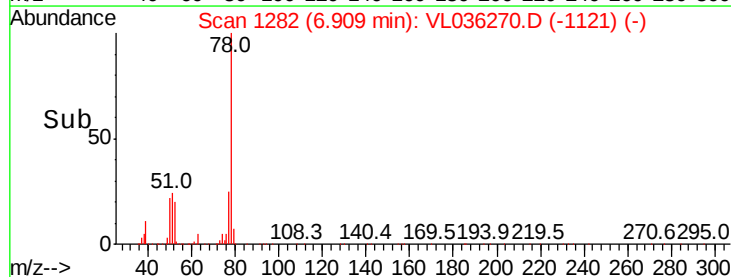
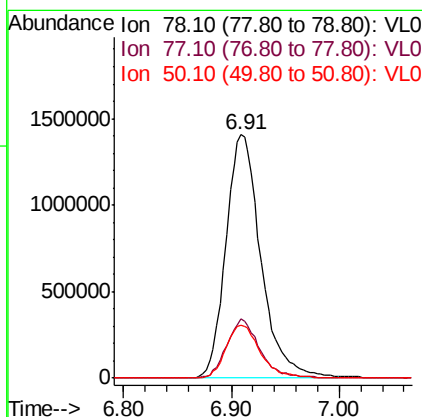
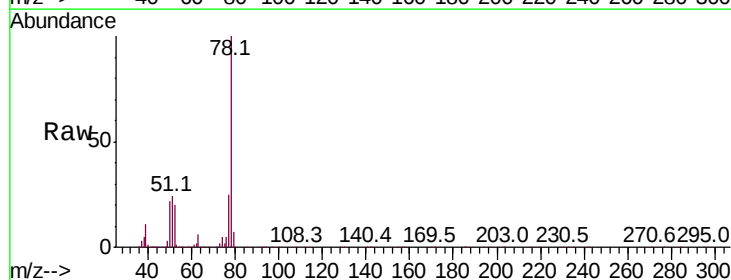
Tgt Ion: 78 Resp: 3172665

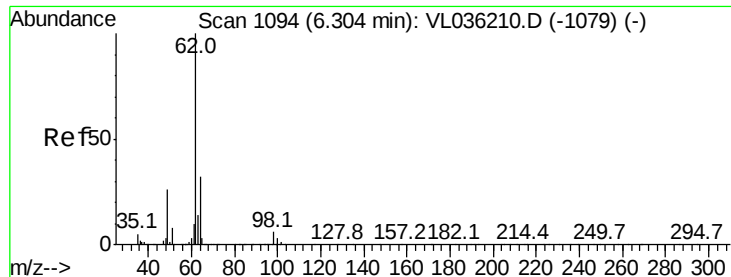
Ion Ratio Lower Upper

78 100

77 24.5 19.4 29.0

50 21.8 17.4 26.2





#37

1,2-Dichloroethane

Concen: 10.892 ppbv

RT: 6.32 min Scan# 1100

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 2037865

Ion Ratio Lower Upper

62 100

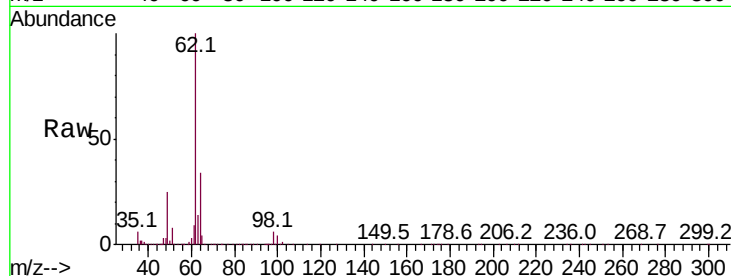
98 5.3 4.4 6.6

Manual Integrations

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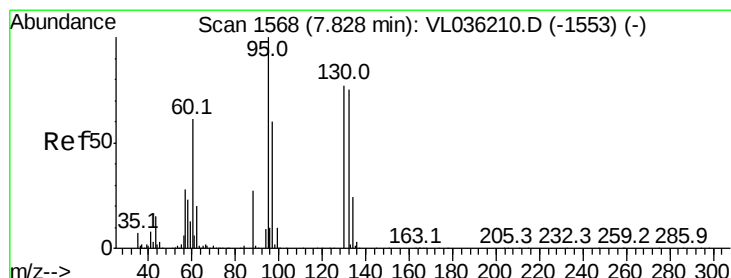
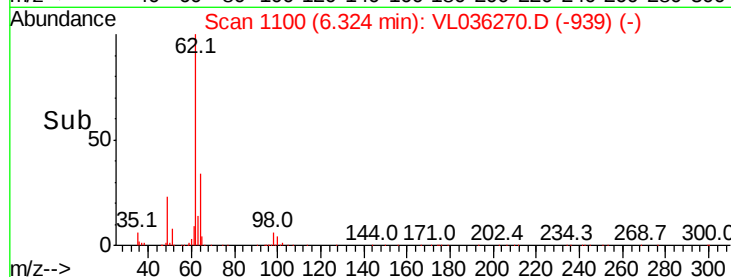
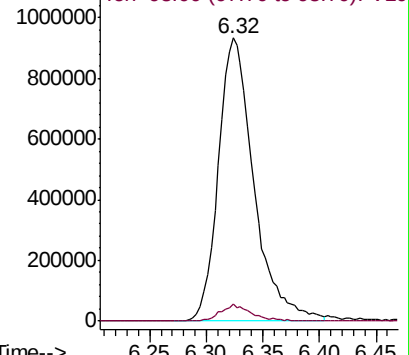
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 8.966 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. 0.03 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Tgt Ion:130 Resp: 1032481

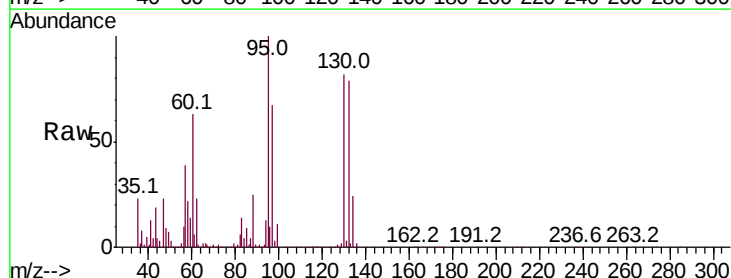
Ion Ratio Lower Upper

130 100

95 123.4 103.9 155.9

132 97.0 77.4 116.2

97 82.5 62.5 93.7

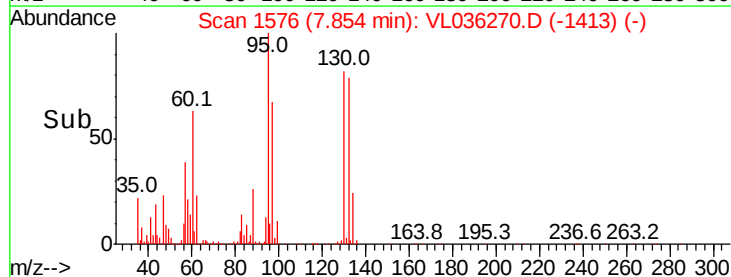
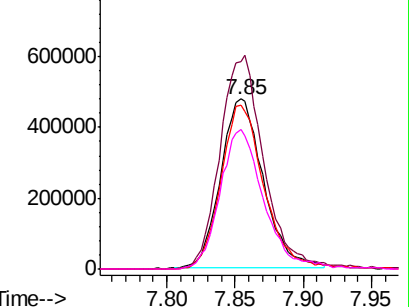


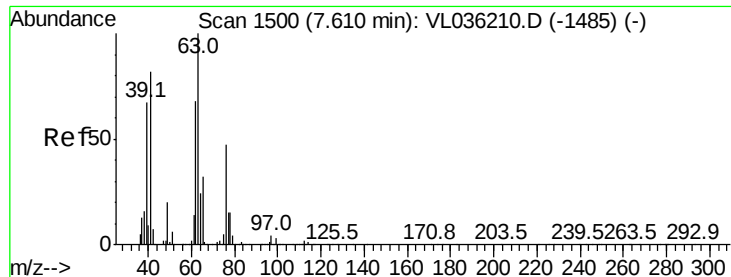
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 10.393 ppbv m

RT: 7.64 min Scan# 1508

Delta R.T. 0.03 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 63 Resp: 1312019

Ion Ratio Lower Upper

63 100

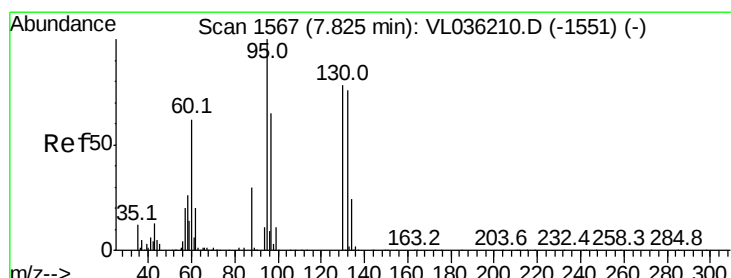
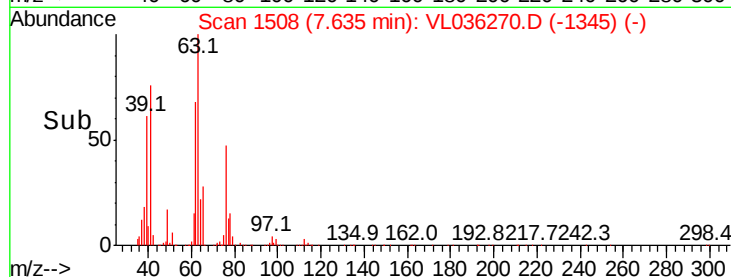
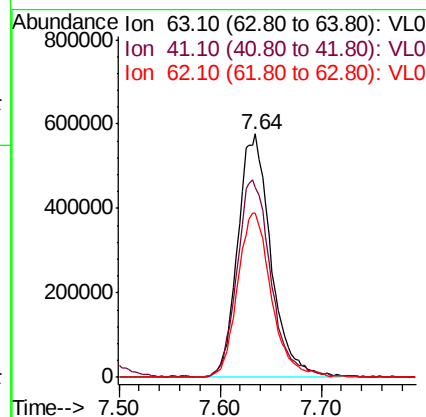
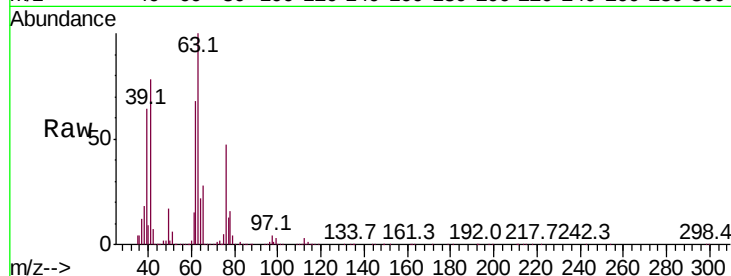
41 78.1 66.1 99.1

62 67.7 54.8 82.2

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#40

1,4-Dioxane

Concen: 9.717 ppbv m

RT: 7.85 min Scan# 1575

Delta R.T. 0.03 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Tgt Ion: 88 Resp: 443731

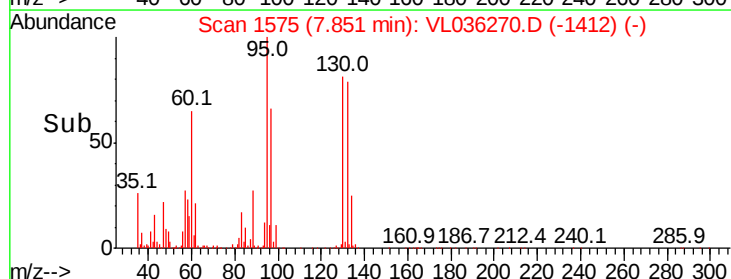
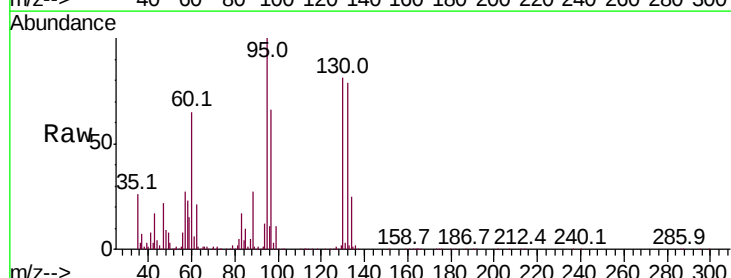
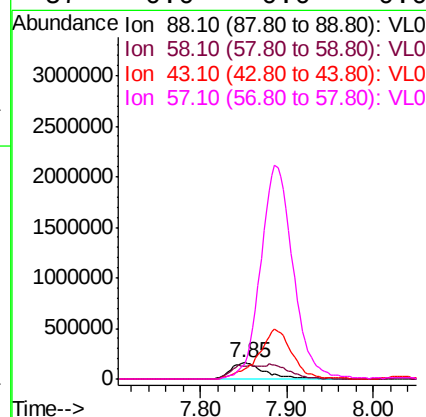
Ion Ratio Lower Upper

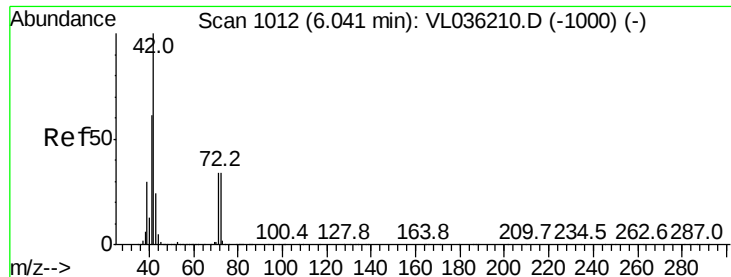
88 100

58 0.0 123.0 184.6#

43 0.0 0.0 0.0

57 0.0 0.0 0.0





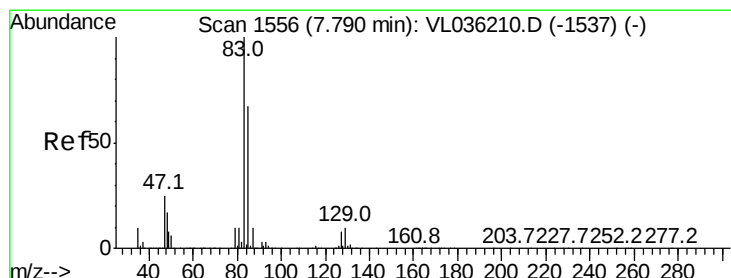
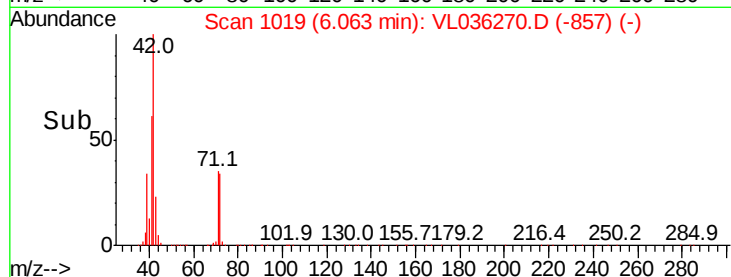
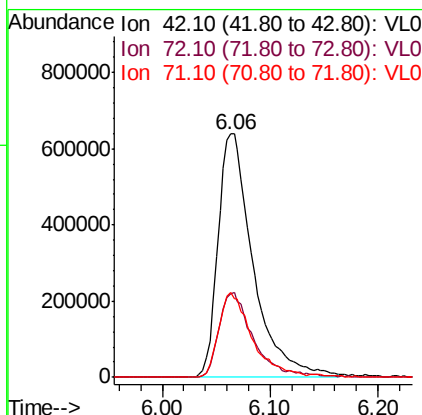
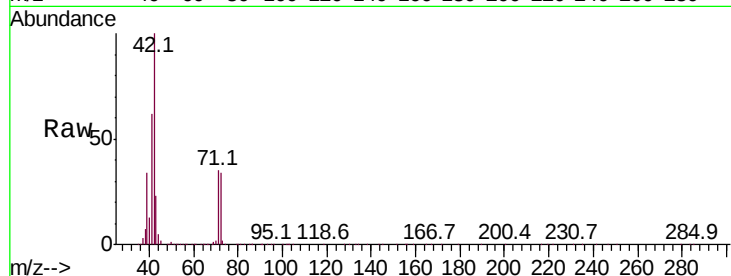
#41
Tetrahydrofuran
Concen: 9.975 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 42 Resp: 1440564
Ion Ratio Lower Upper
42 100
72 34.8 29.5 44.3
71 34.2 29.1 43.7

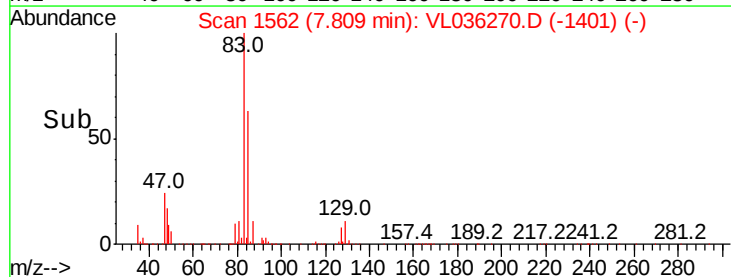
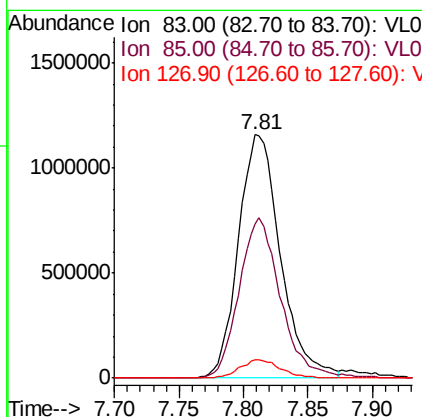
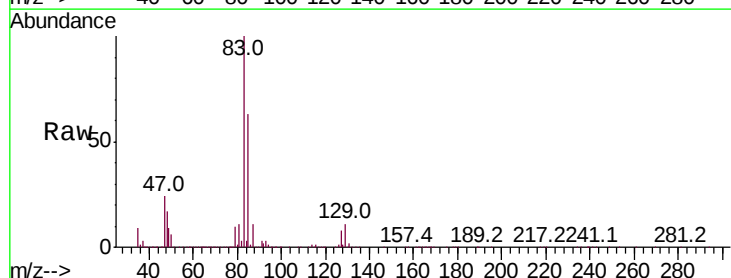
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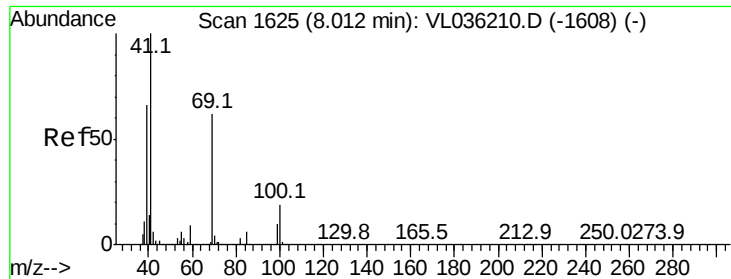
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#42
Bromodichloromethane
Concen: 11.190 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Tgt Ion: 83 Resp: 2631441
Ion Ratio Lower Upper
83 100
85 63.3 53.4 80.2
127 7.6 6.2 9.2





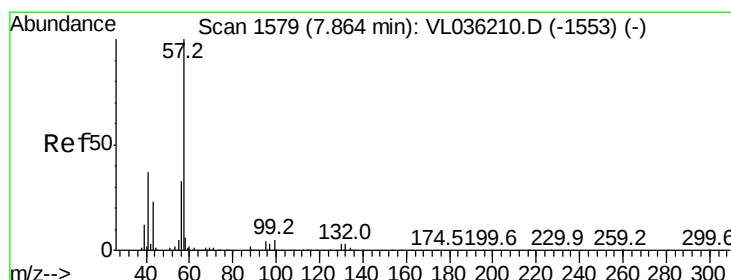
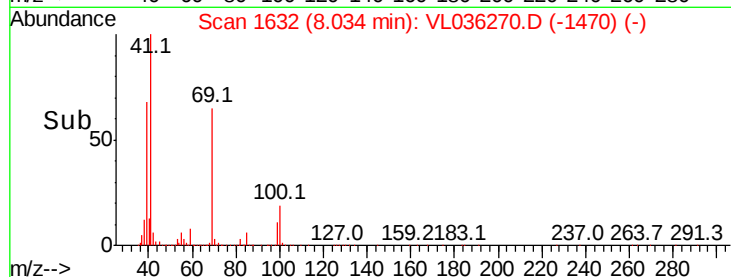
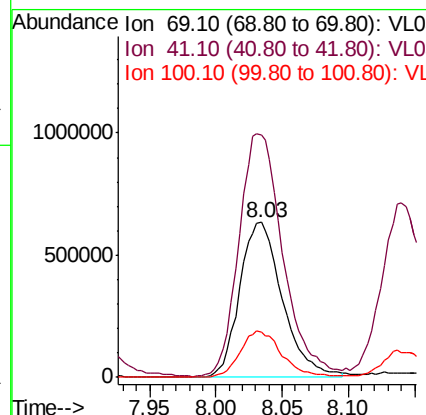
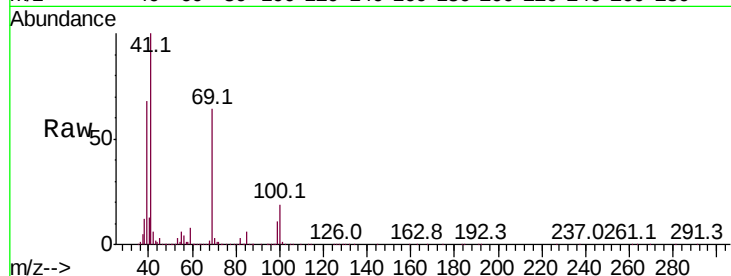
#43
Methvl Methacrylate
Concen: 10.781 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1424528
Ion Ratio Lower Upper
69 100
41 161.5 133.4 200.2
100 29.3 24.3 36.5

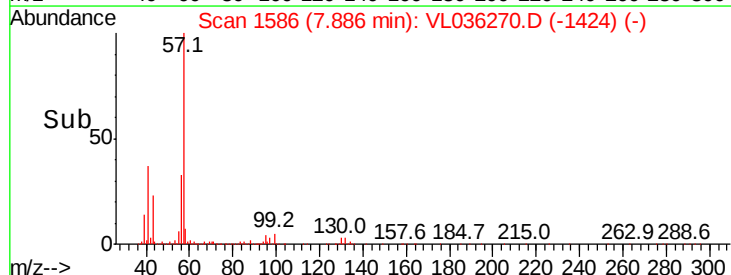
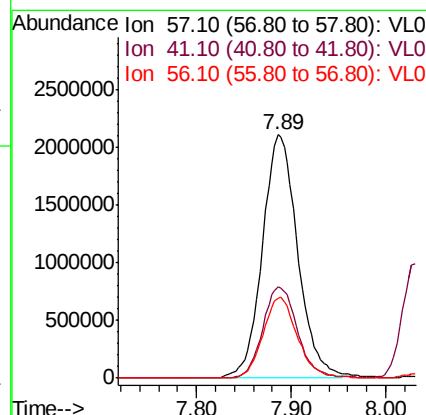
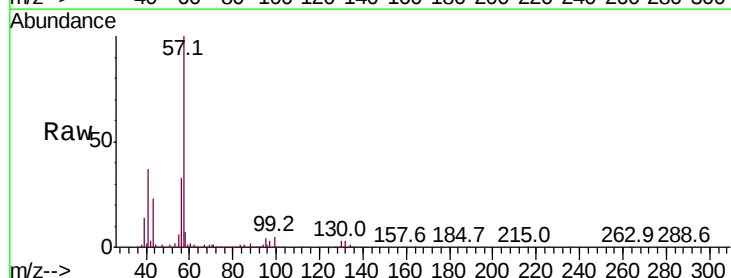
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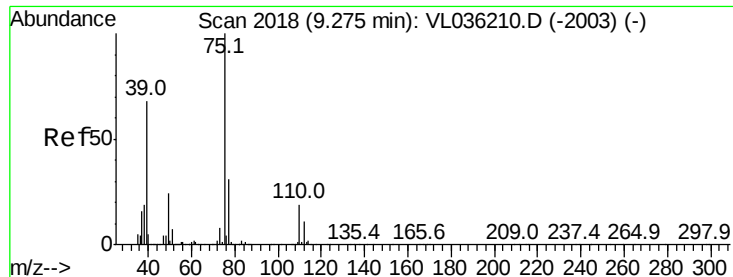
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#44
2,2,4-Trimethylpentane
Concen: 9.574 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Tgt Ion: 57 Resp: 5467640
Ion Ratio Lower Upper
57 100
41 37.0 28.5 42.7
56 32.4 25.5 38.3





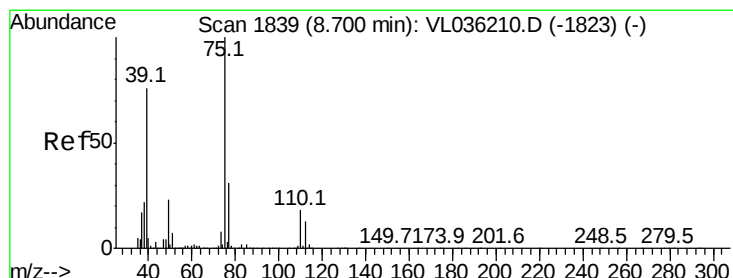
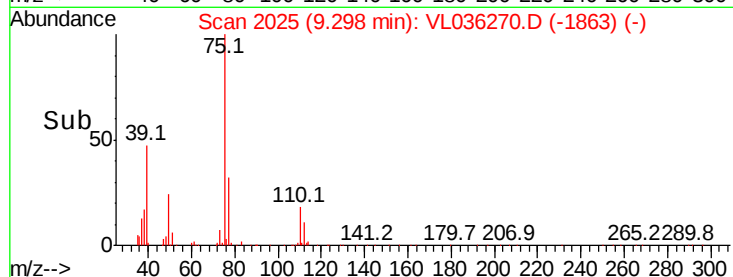
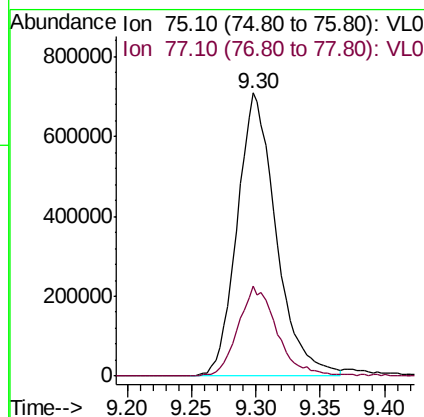
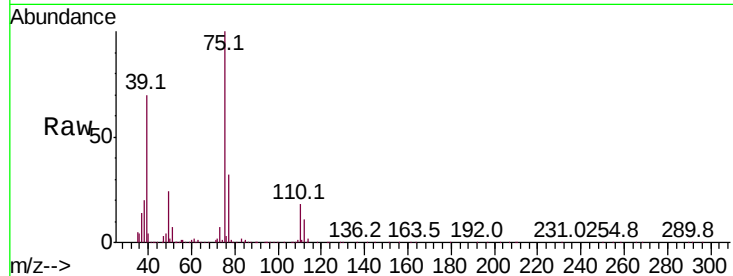
#45
t-1,3-Dichloropropene
Concen: 11.875 ppbv
RT: 9.30 min Scan# 2025
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1490253
Ion Ratio Lower Upper
75 100
77 32.0 24.7 37.1

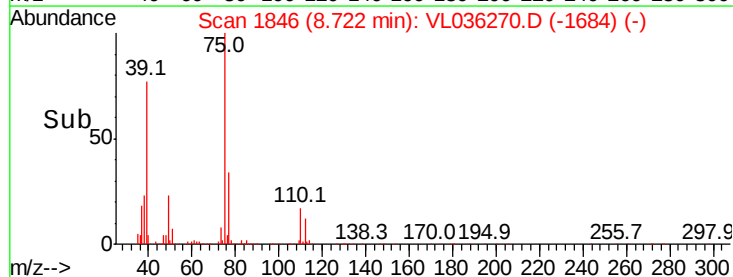
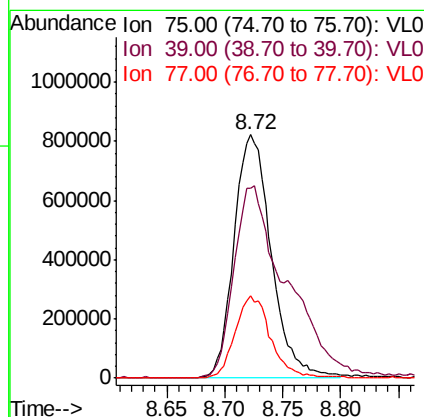
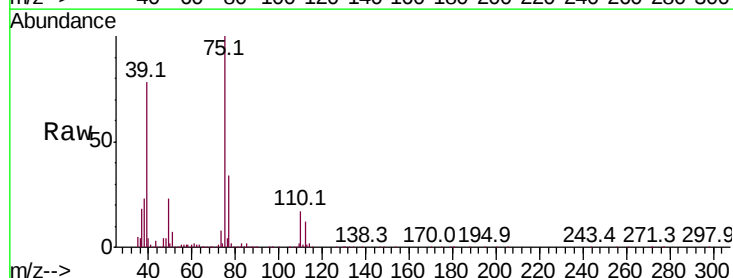
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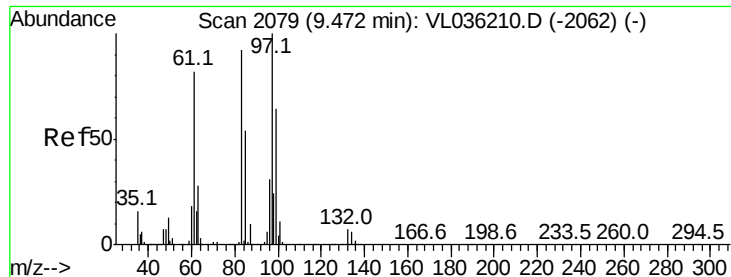
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#46
cis-1,3-Dichloropropene
Concen: 11.322 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Tgt Ion: 75 Resp: 1825897
Ion Ratio Lower Upper
75 100
39 77.8 61.2 91.8
77 33.7 24.6 37.0





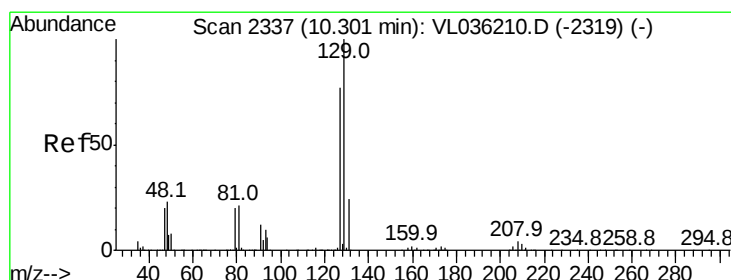
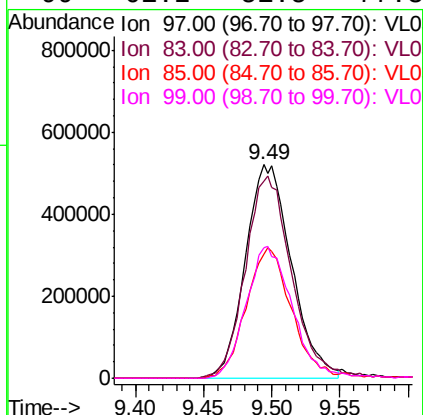
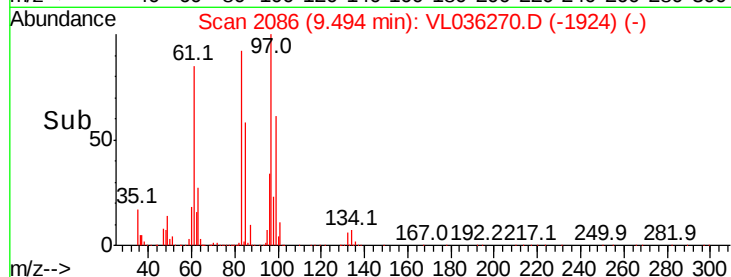
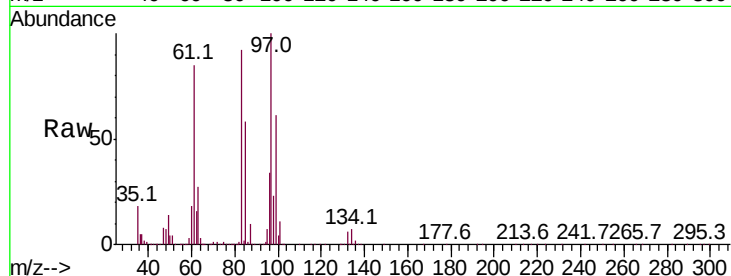
#47
 1,1,2-Trichloroethane
 Concen: 10.104 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. 0.02 min
 Lab File: VL036270.D
 Acq: 22 Jan 2021 17:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	92.2	73.3	109.9	
85	58.1	43.2	64.8	
99	61.2	51.5	77.3	

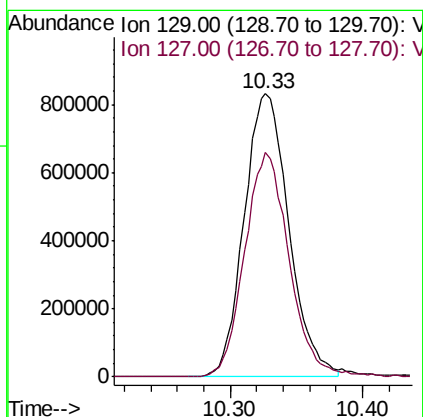
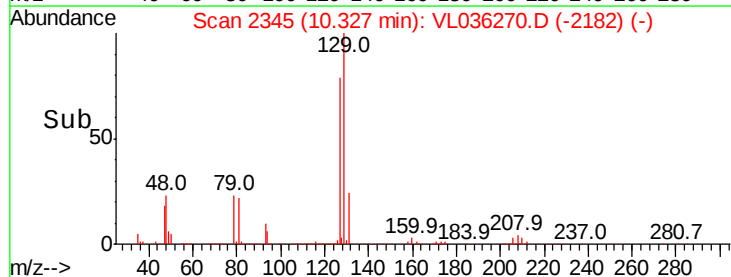
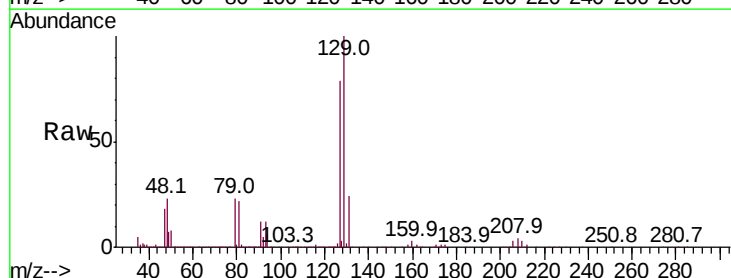
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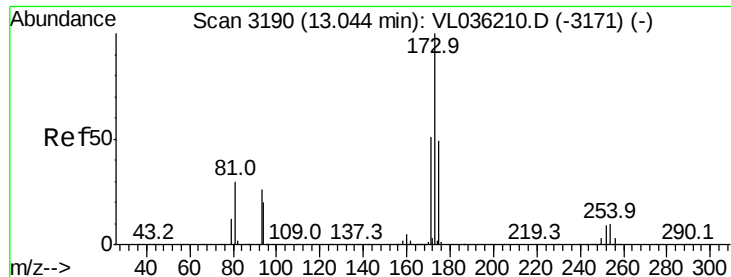
MMDadoda
 1/26/2021 12:58:31 PM



#48
 Dibromochloromethane
 Concen: 11.071 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. 0.03 min
 Lab File: VL036270.D
 Acq: 22 Jan 2021 17:14

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	79.5	39.6	118.8	





#49

Bromoform

Concen: 10.279 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1515979

Ion Ratio Lower Upper

173 100

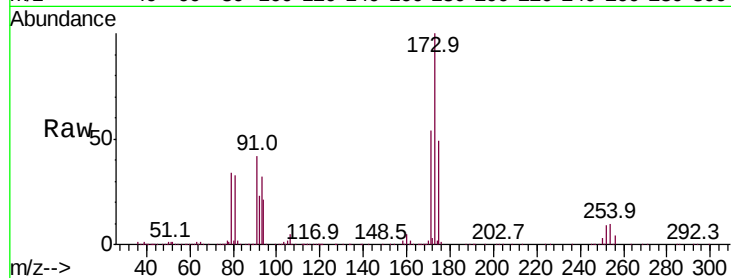
175 50.3 40.7 61.1

171 53.7 43.0 64.6

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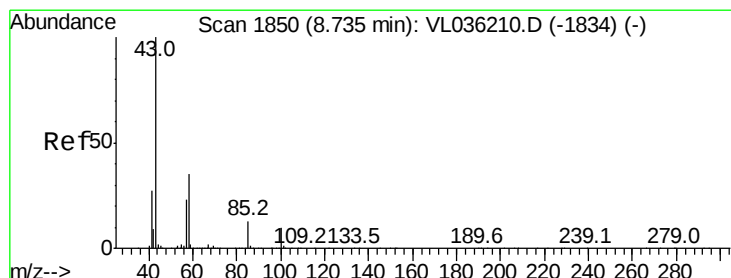
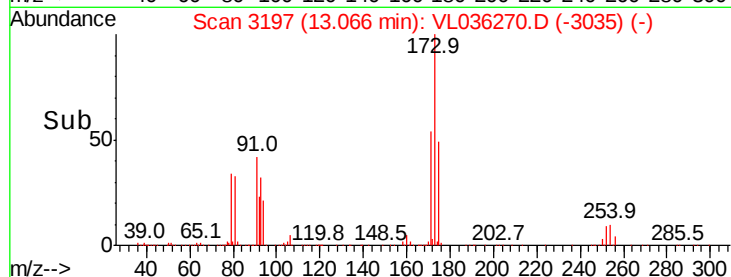
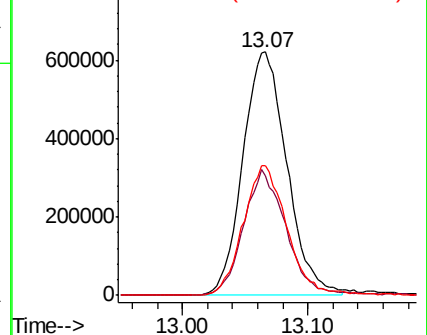
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.031 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.03 min

Lab File: VL036270.D

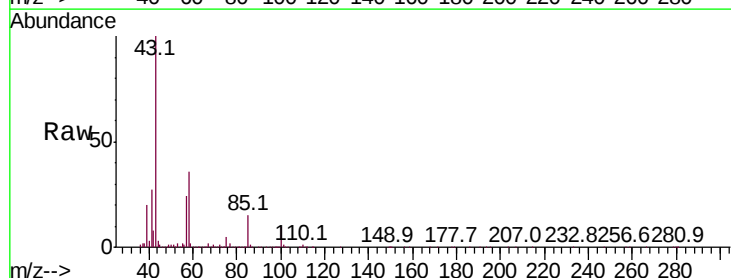
Acq: 22 Jan 2021 17:14

Tgt Ion: 43 Resp: 3737371

Ion Ratio Lower Upper

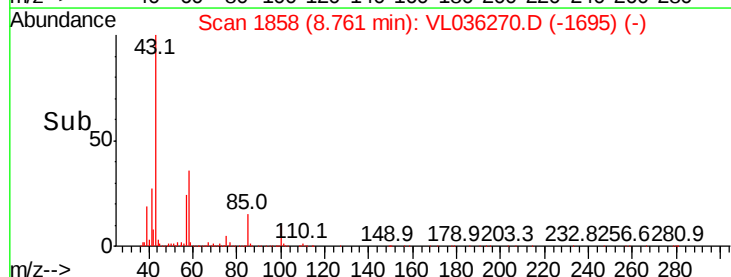
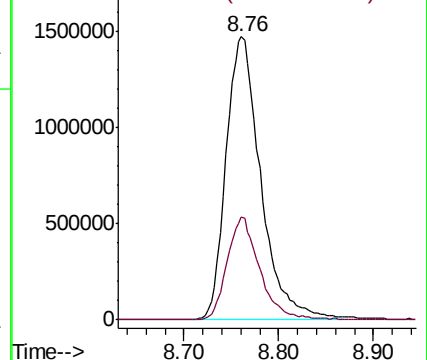
43 100

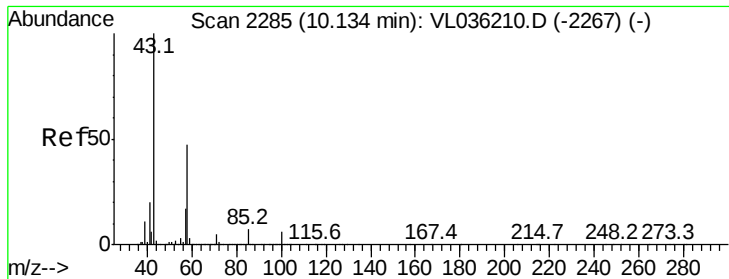
58 34.7 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.229 ppbv

RT: 10.16 min Scan# 2292

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 3006777

Ion Ratio Lower Upper

43 100

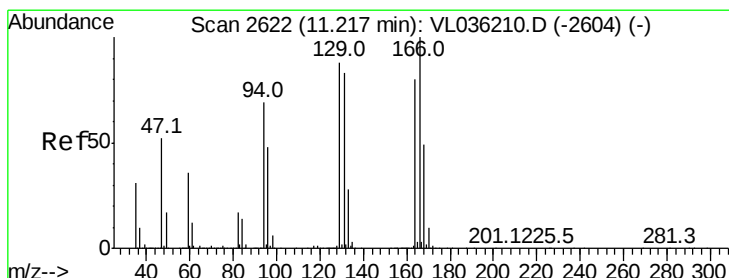
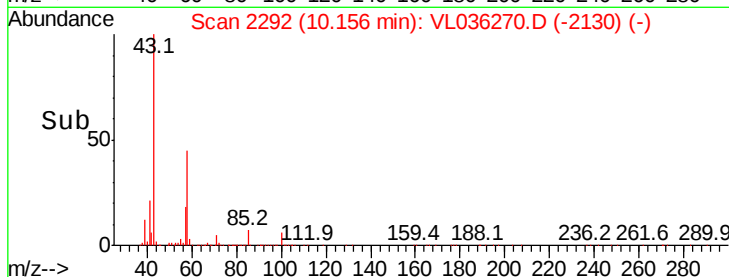
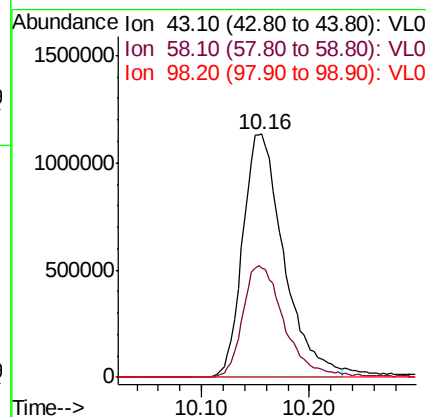
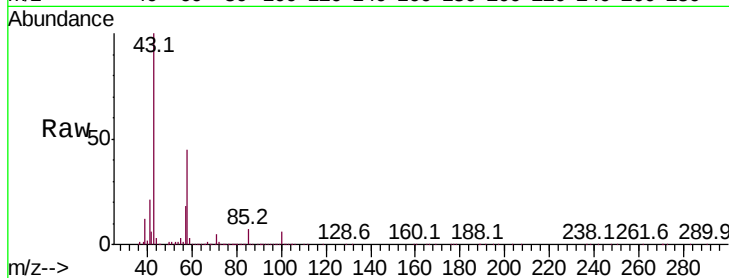
58 47.2 37.4 56.0

98 0.4 0.2 0.2#

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#52

Tetrachloroethene

Concen: 8.646 ppbv

RT: 11.24 min Scan# 2630

Delta R.T. 0.03 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Tgt Ion: 164 Resp: 990557

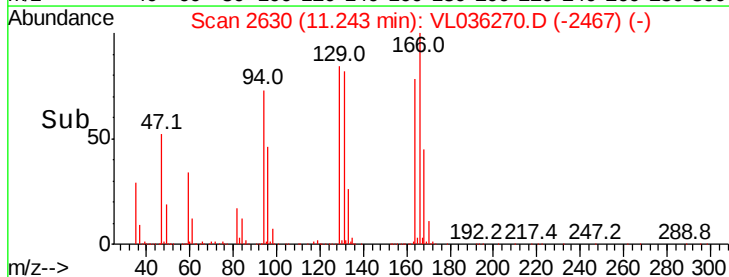
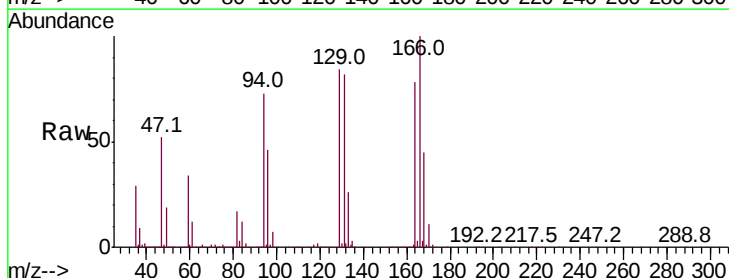
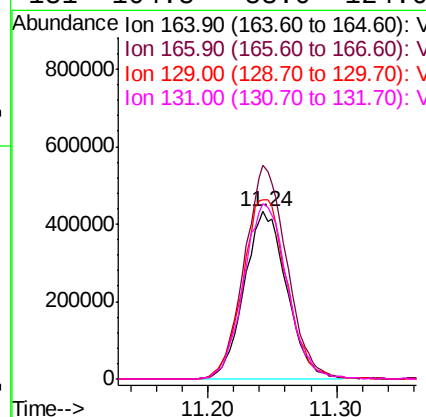
Ion Ratio Lower Upper

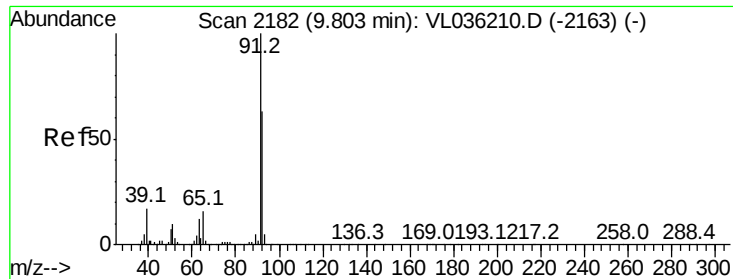
164 100

166 127.7 99.9 149.9

129 106.6 88.2 132.4

131 104.8 83.0 124.6





#53

Toluene

Concen: 9.879 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3435890

Ion Ratio Lower Upper

91 100

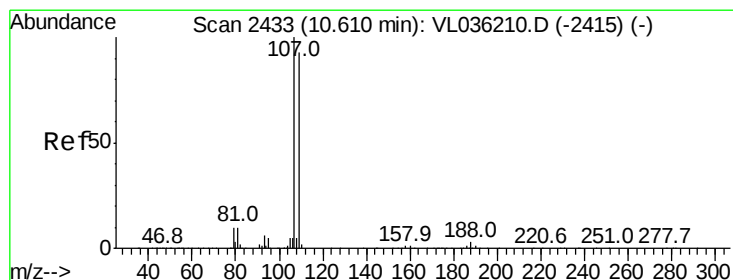
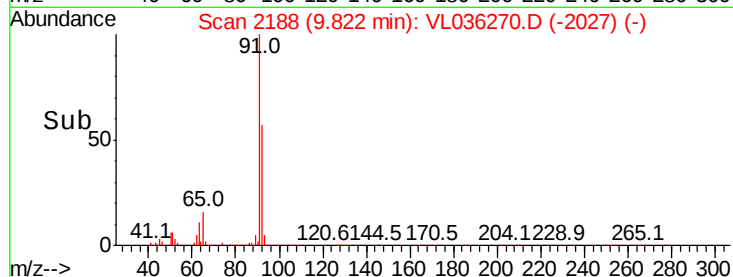
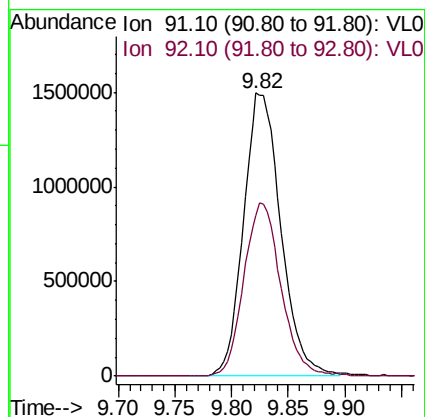
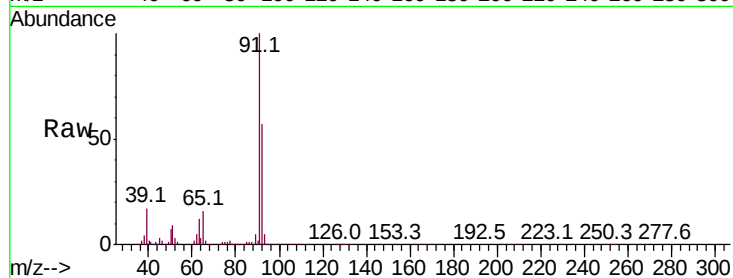
92 61.1 48.5 72.7

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#54

1,2-Dibromoethane

Concen: 10.075 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.02 min

Lab File: VL036270.D

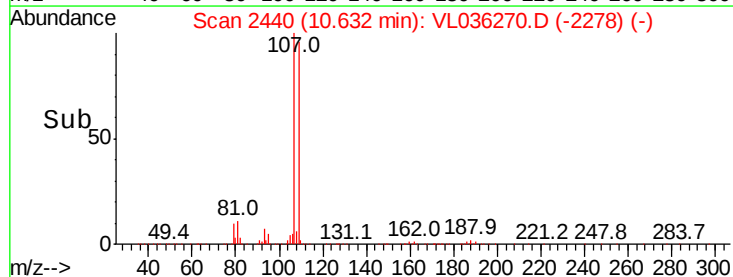
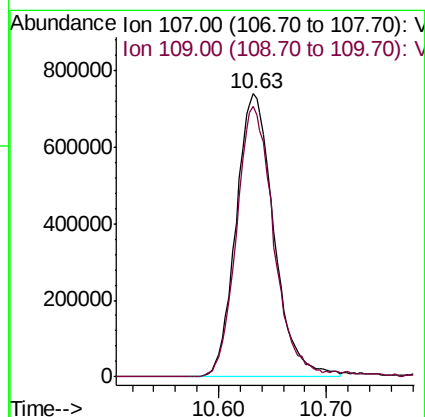
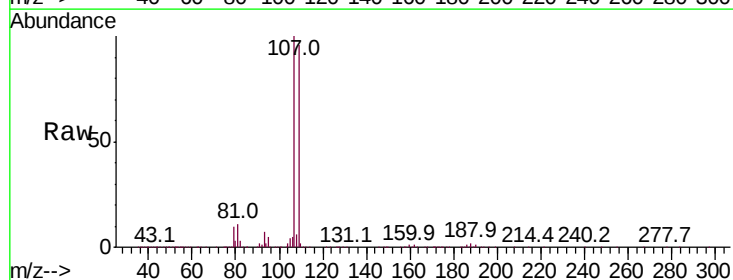
Acq: 22 Jan 2021 17:14

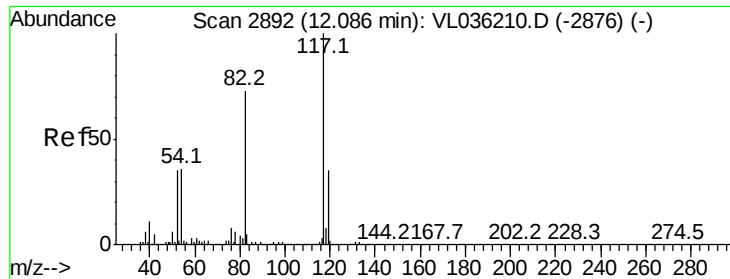
Tgt Ion: 107 Resp: 1803557

Ion Ratio Lower Upper

107 100

109 95.7 74.5 111.7





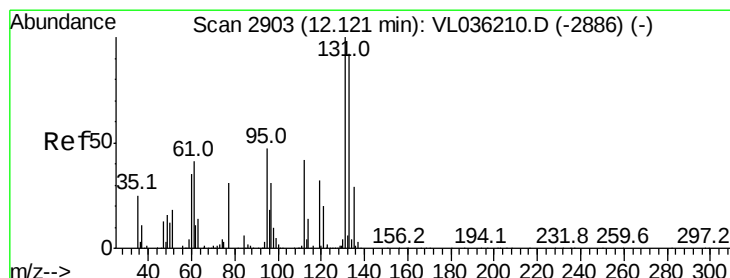
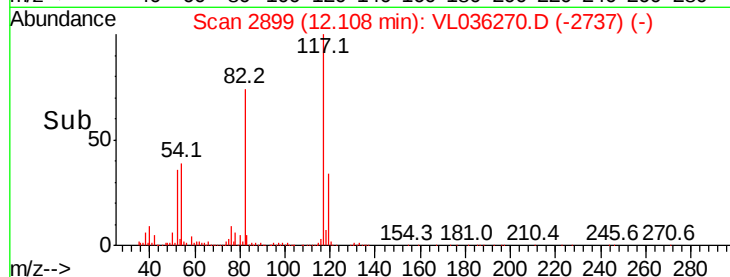
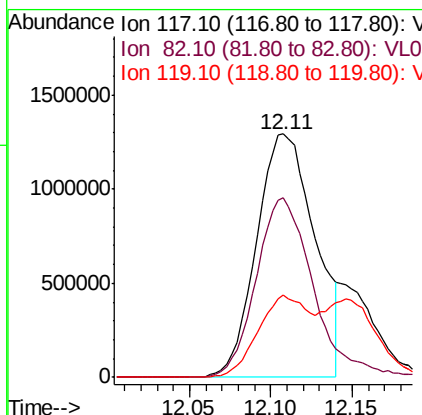
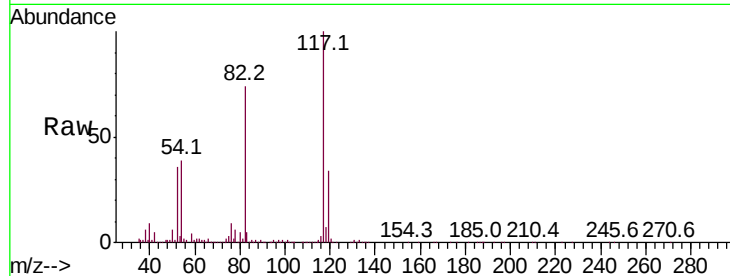
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2899
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 3237432
Ion Ratio Lower Upper
117 100
82 73.1 59.7 89.5
119 27.4 28.6 43.0#

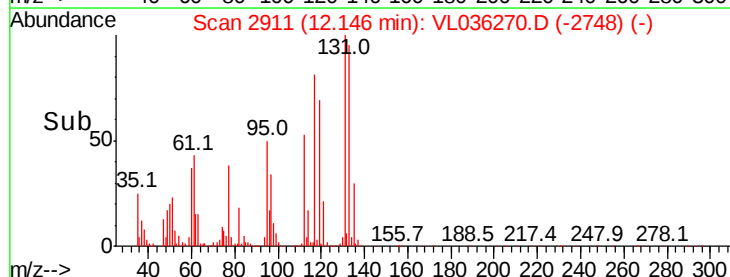
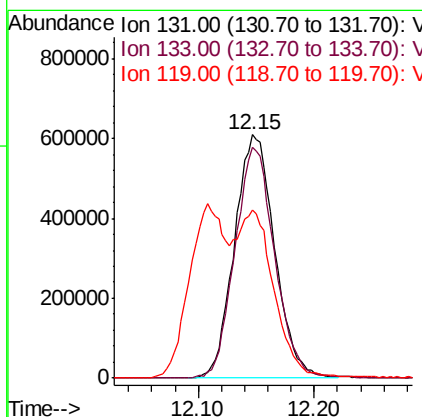
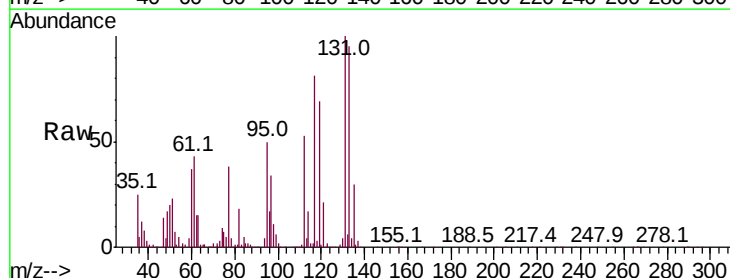
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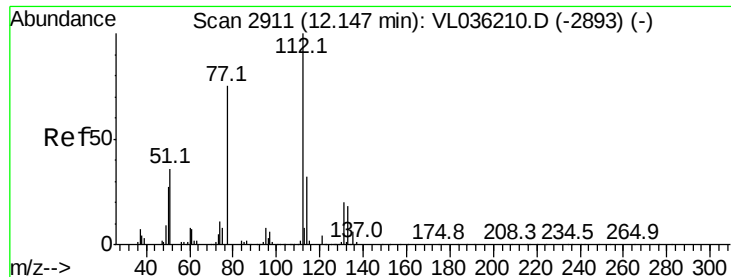
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.127 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.03 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Tgt Ion:131 Resp: 1463055
Ion Ratio Lower Upper
131 100
133 94.2 76.5 114.7
119 70.4 45.4 68.0#





#57

Chlorobenzene

Concen: 9.412 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 2390630

Ion Ratio Lower Upper

112 100

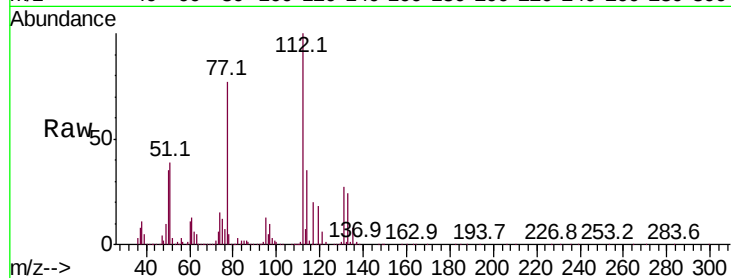
77 76.4 59.6 89.4

114 35.0 28.7 35.1

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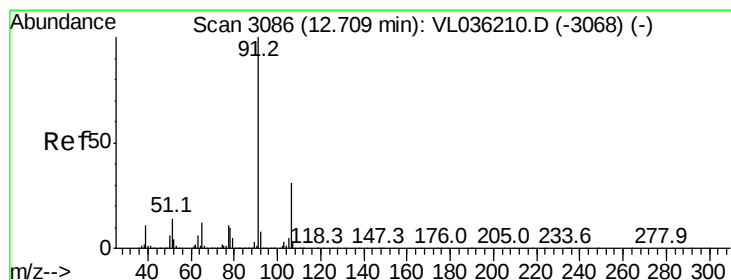
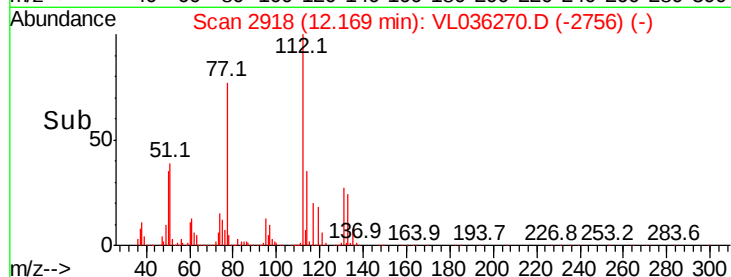
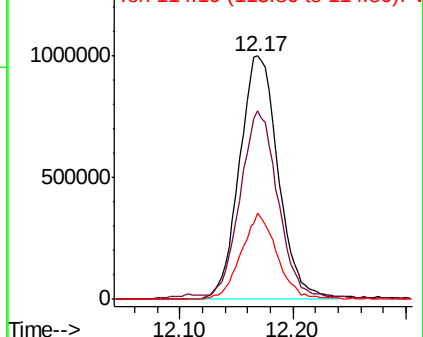
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.668 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. 0.02 min

Lab File: VL036270.D

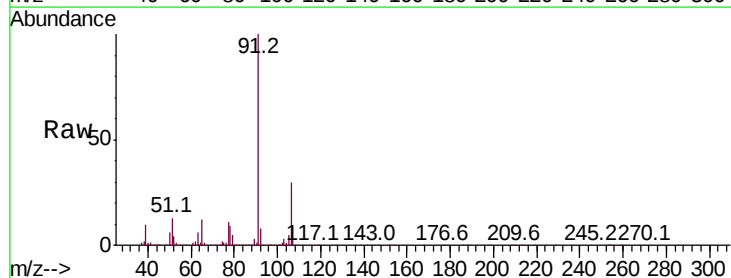
Acq: 22 Jan 2021 17:14

Tgt Ion: 91 Resp: 4644590

Ion Ratio Lower Upper

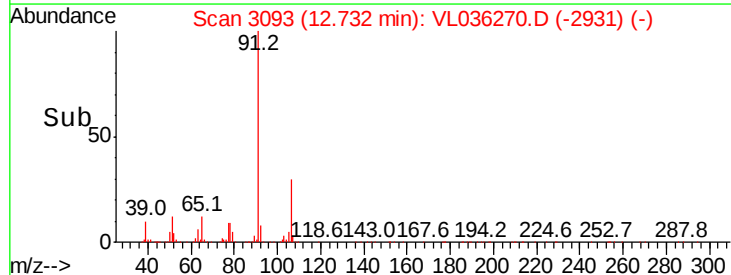
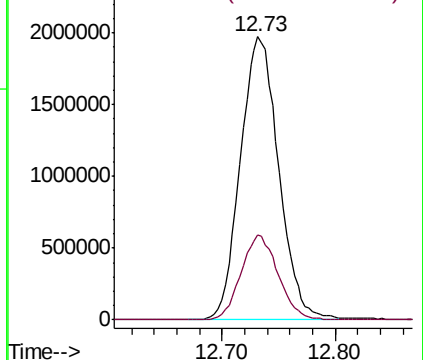
91 100

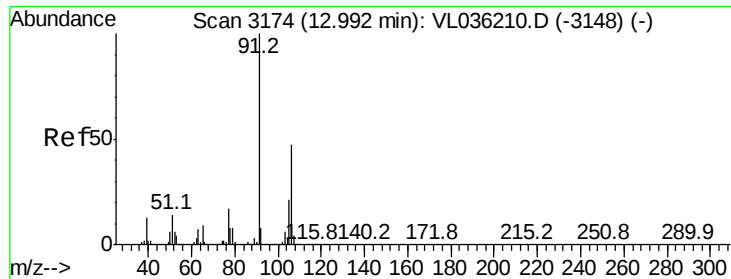
106 29.8 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





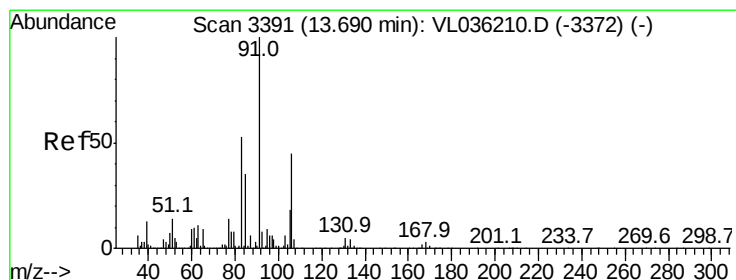
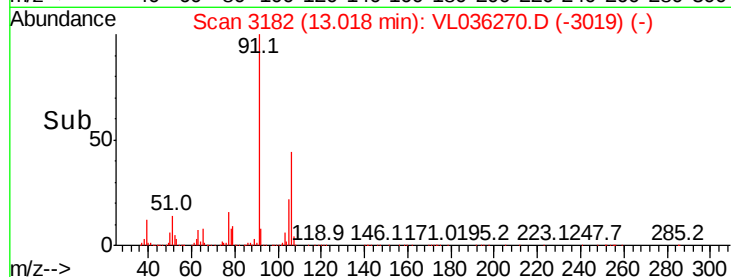
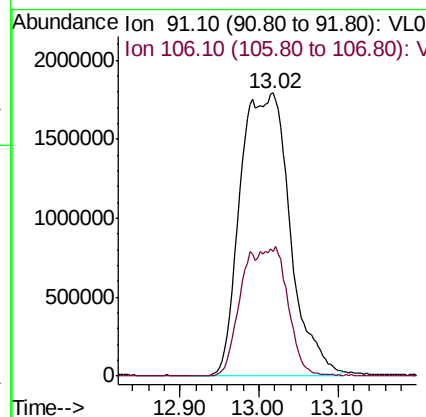
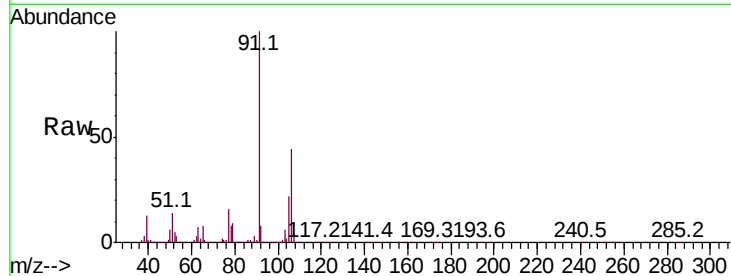
#59
m/p-Xylene
Concen: 18.883 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. 0.03 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 7794952
Ion Ratio Lower Upper
91 100
106 42.0 34.6 51.8

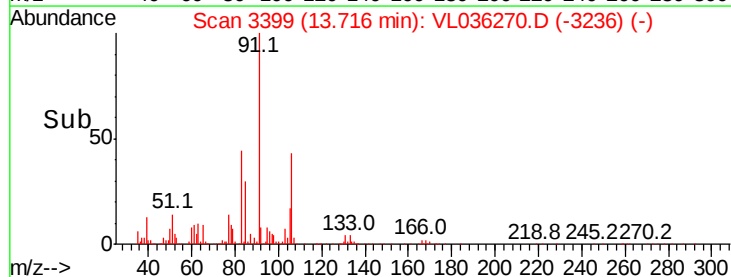
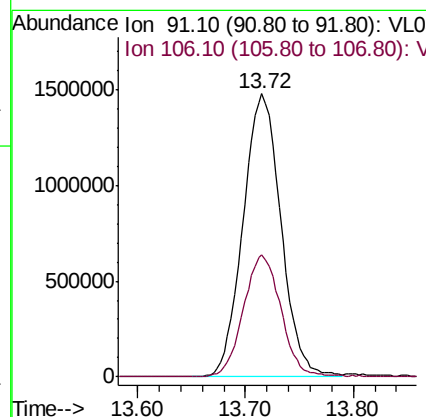
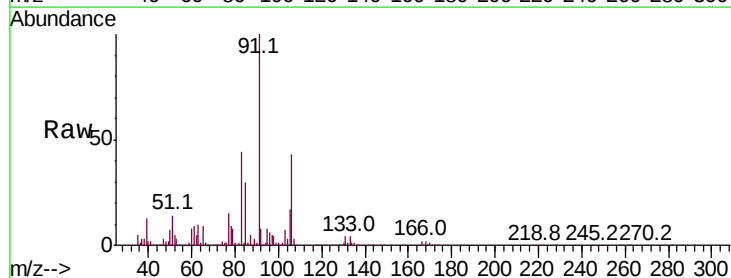
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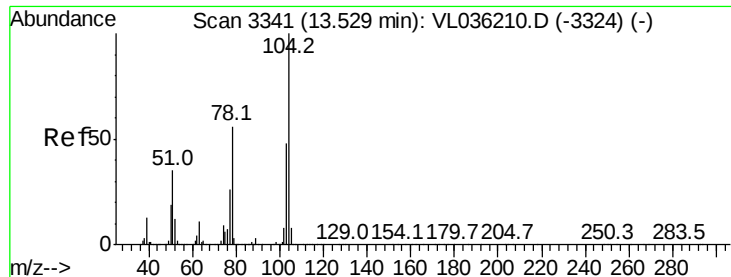
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#60
o-Xylene
Concen: 9.066 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. 0.03 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Tgt Ion: 91 Resp: 3607592
Ion Ratio Lower Upper
91 100
106 42.8 21.9 65.8





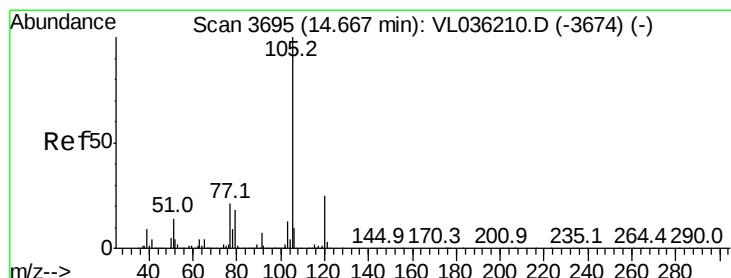
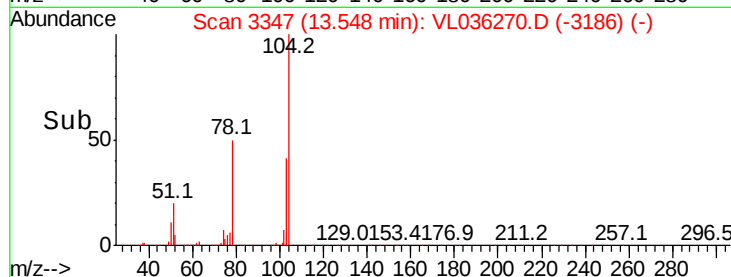
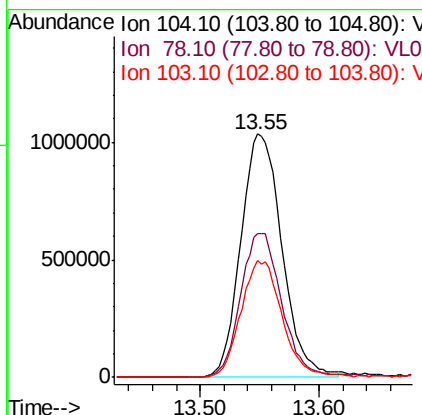
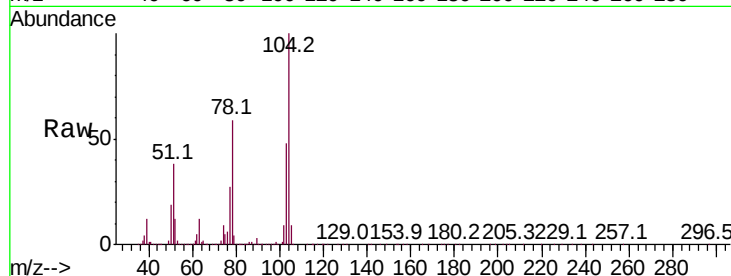
#61
Stvrene
Concen: 9.876 ppbv
RT: 13.55 min Scan# 3347
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	59.8	46.8	70.2
103	48.4	38.4	57.6

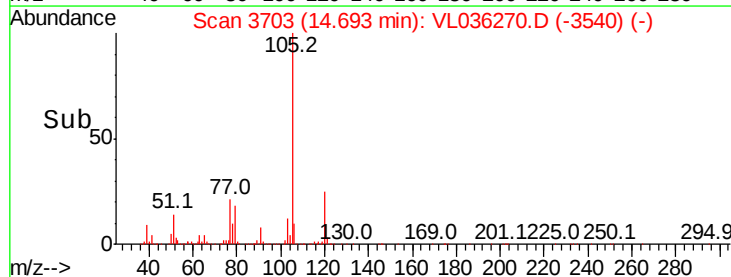
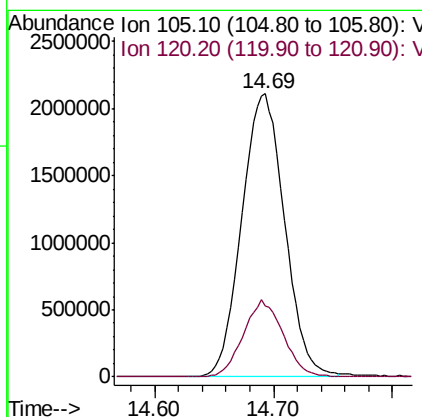
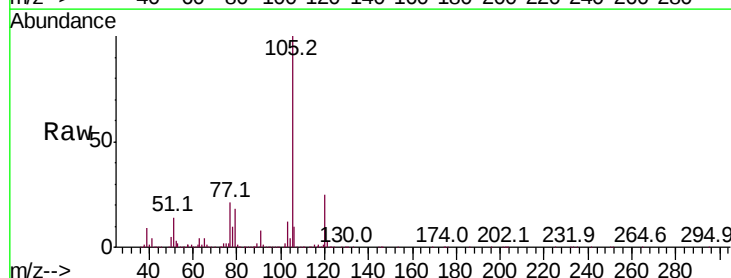
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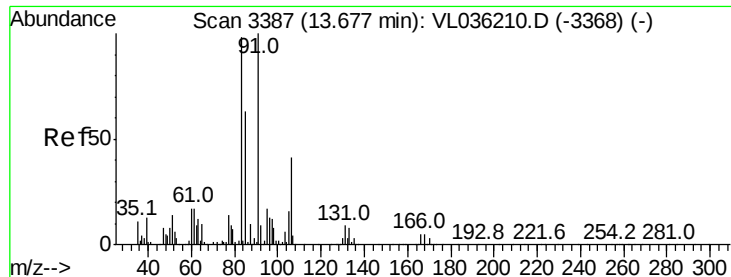
MMDadoda
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#62
Isopropylbenzene
Concen: 8.873 ppbv
RT: 14.69 min Scan# 3703
Delta R.T. 0.03 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.3	30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 8.300 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. 0.03 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 2459056

Ion Ratio Lower Upper

83 100

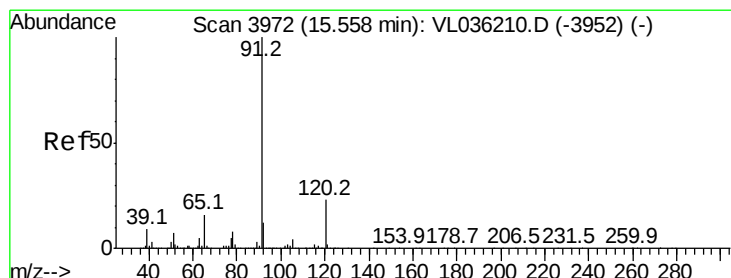
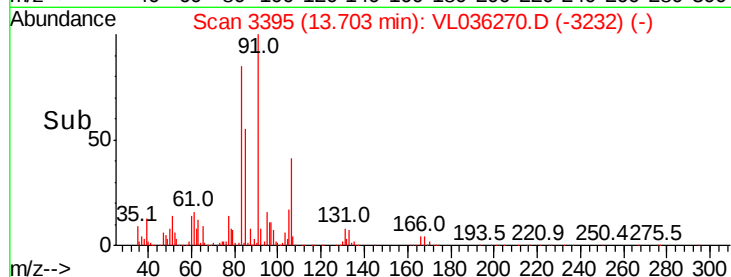
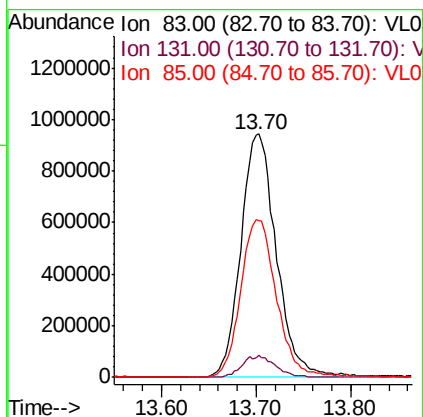
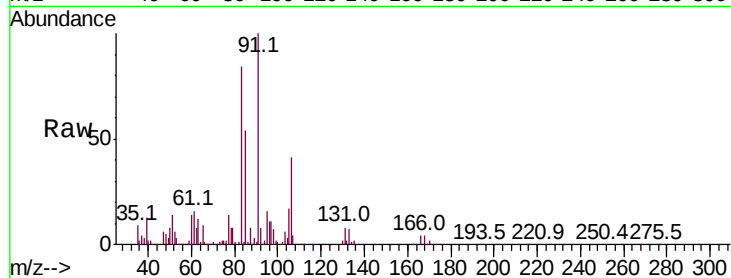
131 8.7 4.5 13.5

85 65.7 33.1 99.3

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#64

n-propylbenzene

Concen: 9.203 ppbv

RT: 15.59 min Scan# 3981

Delta R.T. 0.03 min

Lab File: VL036270.D

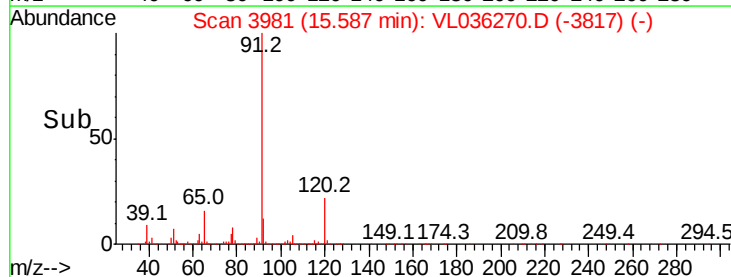
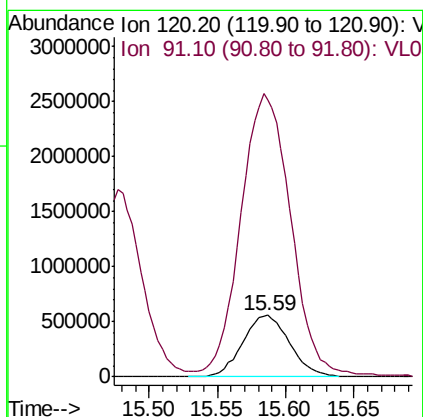
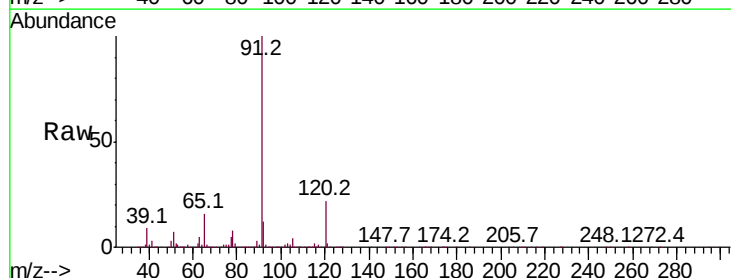
Acq: 22 Jan 2021 17:14

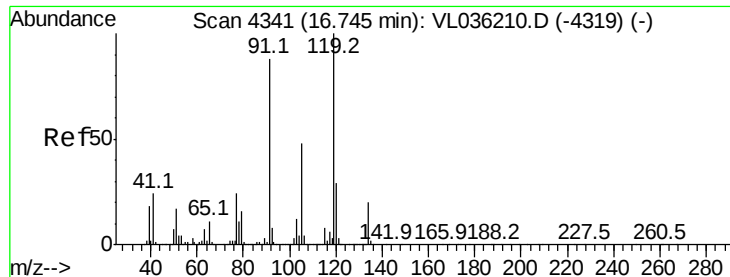
Tgt Ion:120 Resp: 1337744

Ion Ratio Lower Upper

120 100

91 493.0 391.8 587.6





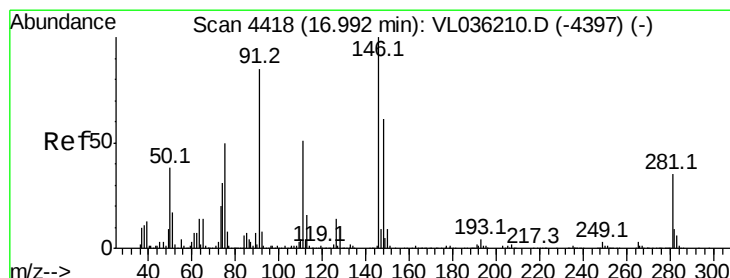
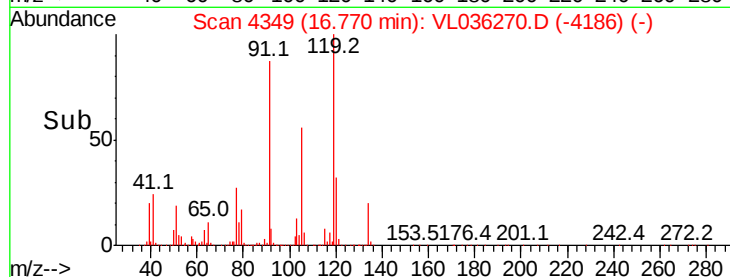
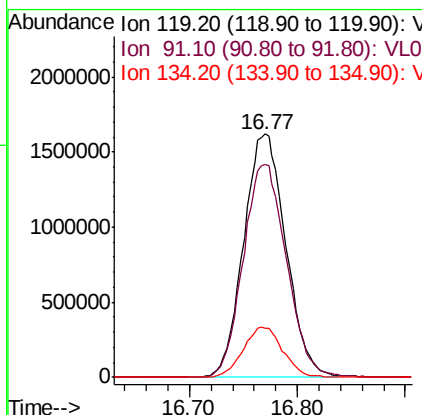
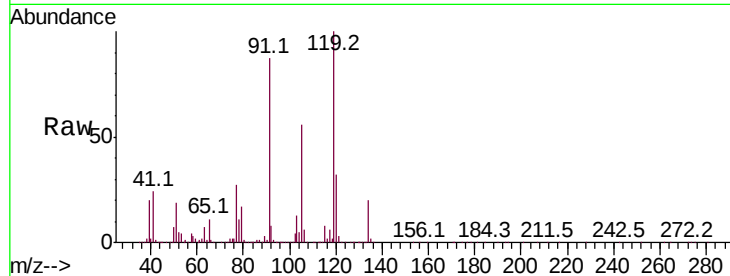
#65
tert-Butylbenzene
Concen: 8.772 ppbv
RT: 16.77 min Scan# 4349
Delta R.T. 0.03 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 119 Resp: 4397461
Ion Ratio Lower Upper
119 100
91 90.0 71.0 106.6
134 19.5 15.8 23.6

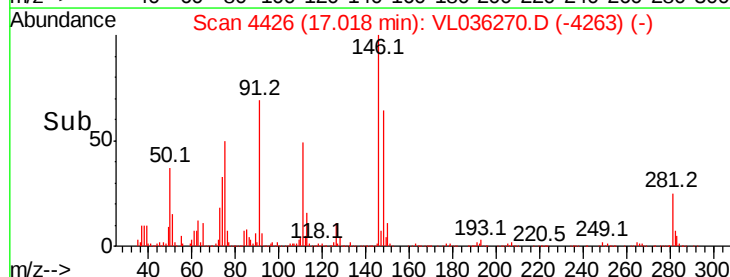
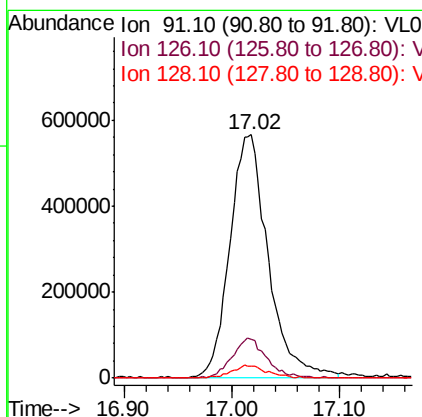
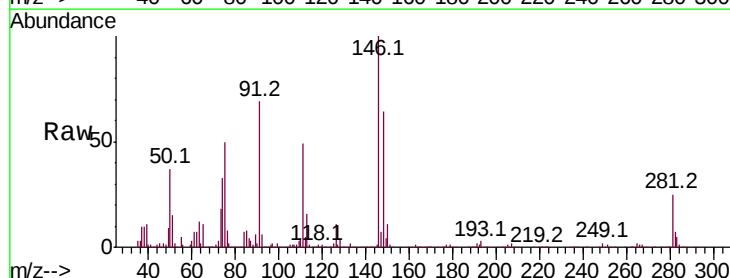
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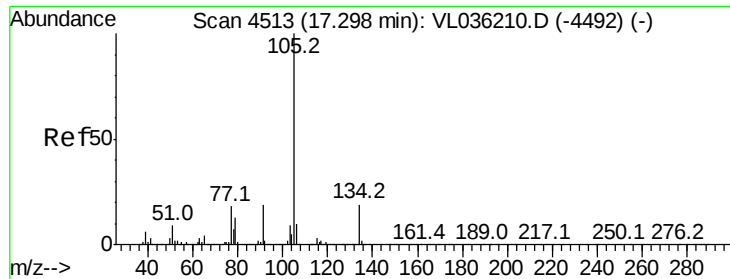
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#66
Benzyl Chloride
Concen: 10.871 ppbv
RT: 17.02 min Scan# 4426
Delta R.T. 0.03 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Tgt Ion: 91 Resp: 1392249
Ion Ratio Lower Upper
91 100
126 15.3 12.6 19.0
128 5.0 3.8 5.6





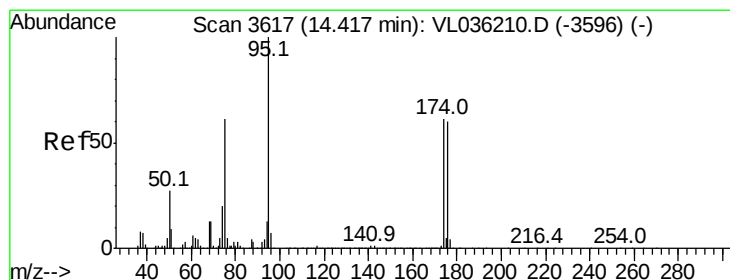
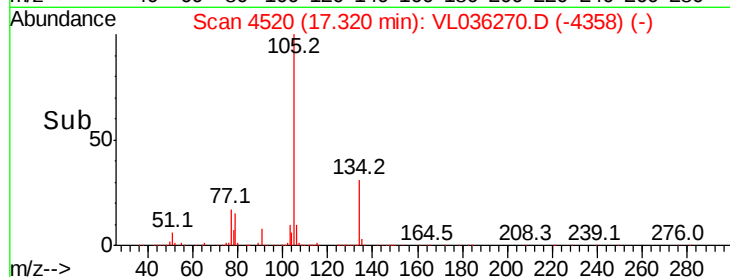
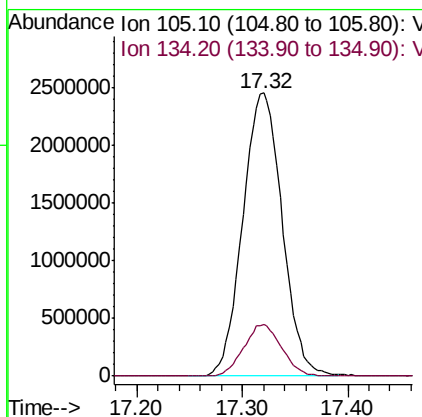
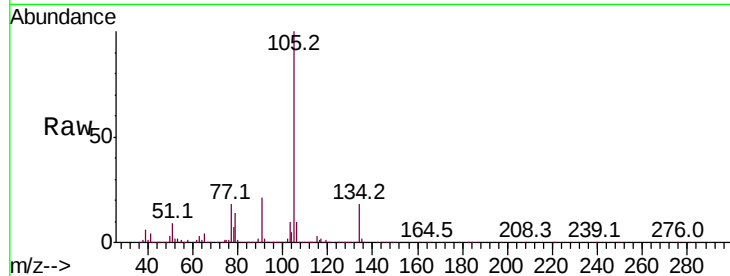
#67
 sec-Butylbenzene
 Concen: 8.529 ppbv
 RT: 17.32 min Scan# 4520
 Delta R.T. 0.02 min
 Lab File: VL036270.D
 Acq: 22 Jan 2021 17:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 105 Resp: 6347173
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.2 21.4

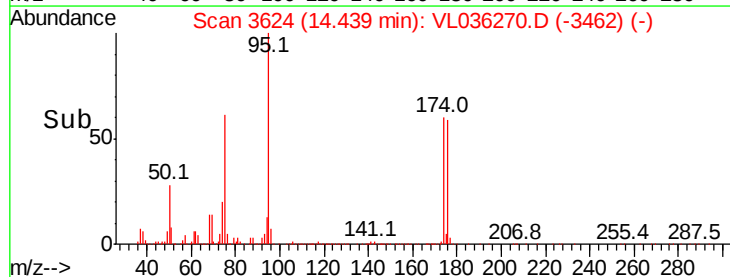
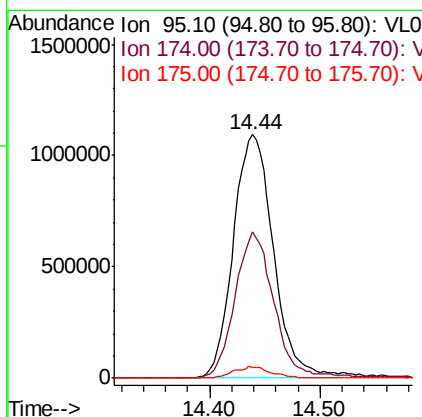
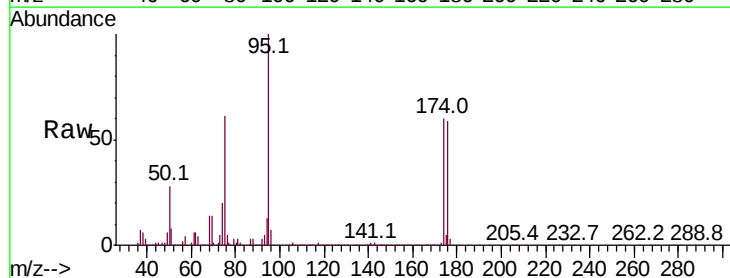
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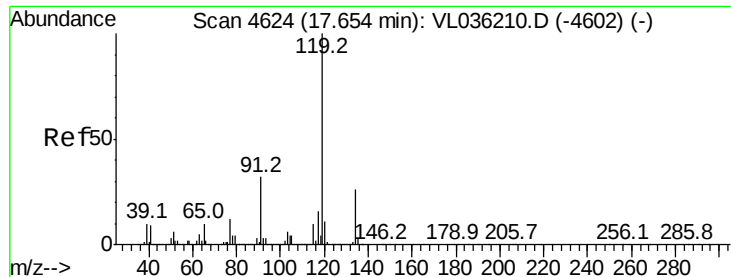
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.263 ppbv
 RT: 14.44 min Scan# 3624
 Delta R.T. 0.02 min
 Lab File: VL036270.D
 Acq: 22 Jan 2021 17:14

Tgt Ion: 95 Resp: 2750244
 Ion Ratio Lower Upper
 95 100
 174 59.4 49.4 74.0
 175 4.5 3.8 5.8





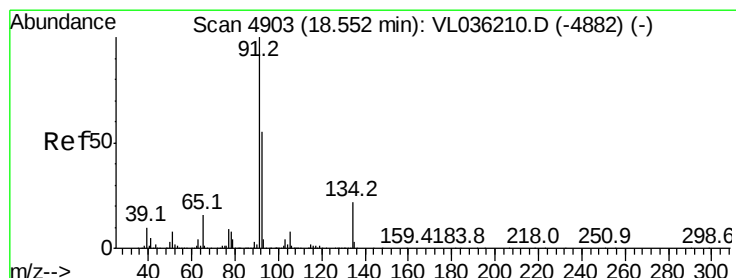
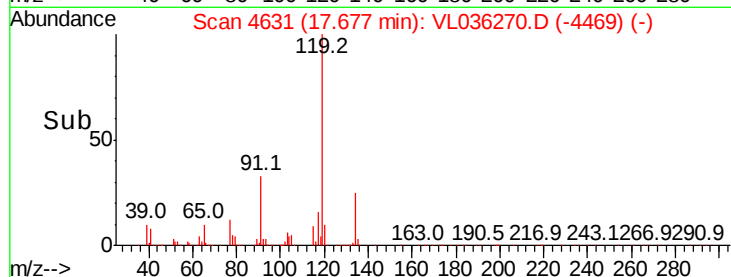
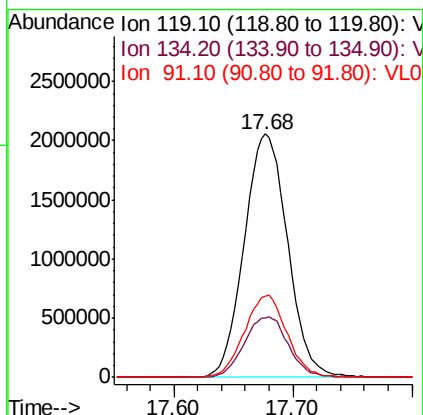
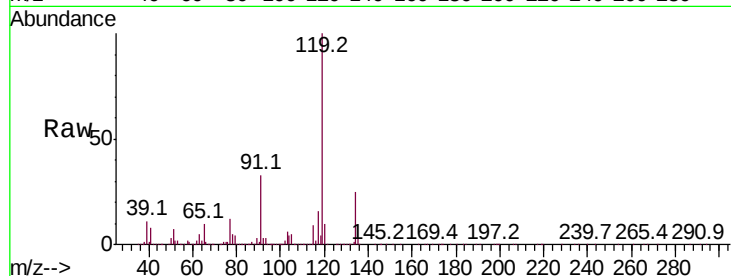
#69
p-Isopropyltoluene
Concen: 8.781 ppbv
RT: 17.68 min Scan# 4631
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.2	30.4
91	33.4	26.0	39.0

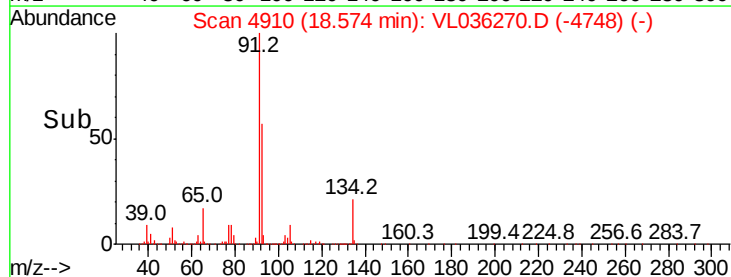
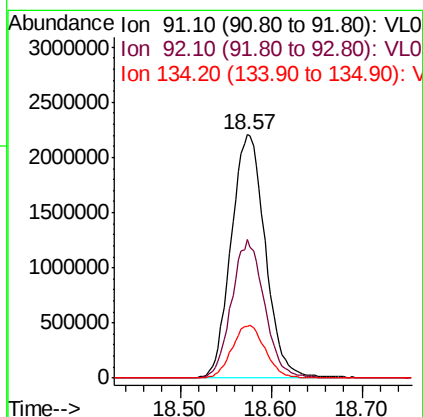
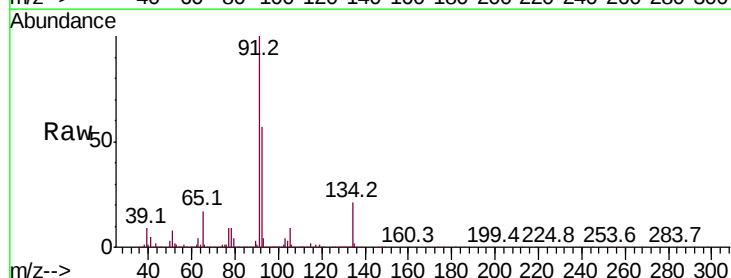
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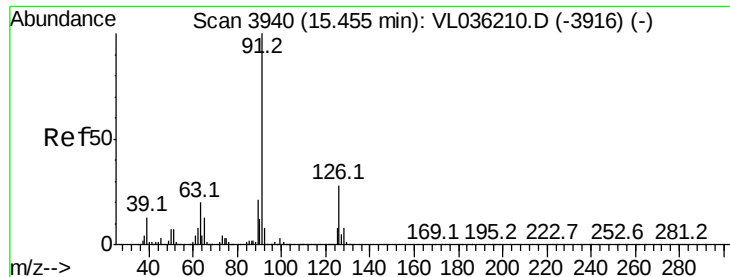
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#70
n-Butylbenzene
Concen: 9.118 ppbv
RT: 18.57 min Scan# 4910
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.0	66.0
134	21.2	17.0	25.4





#71

2-Chlorotoluene

Concen: 8.928 ppbv

RT: 15.48 min Scan# 3947

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4151721

Ion Ratio Lower Upper

91 100

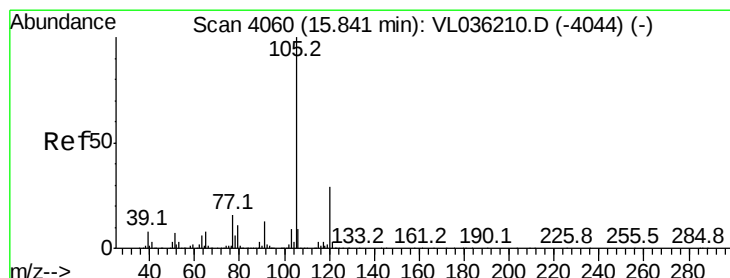
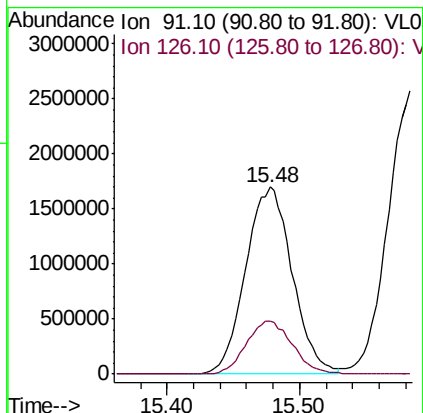
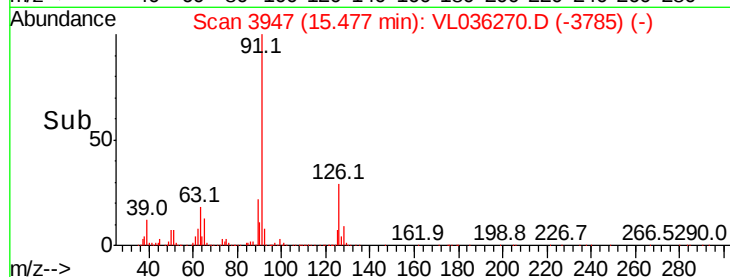
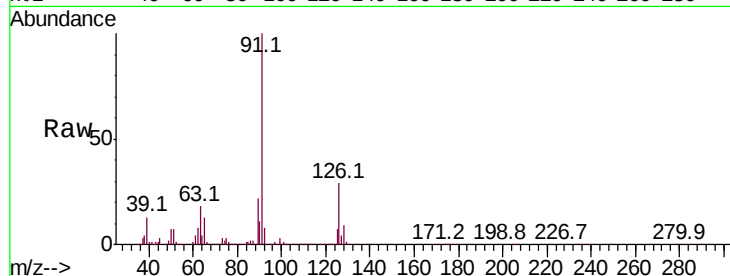
126 28.8 11.5 45.9

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#72

4-Ethyltoluene

Concen: 9.107 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. 0.03 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Tgt Ion: 105 Resp: 4089226

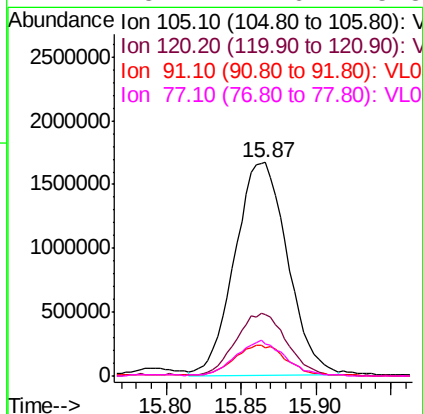
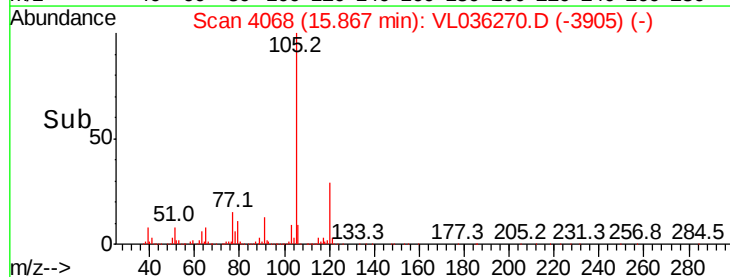
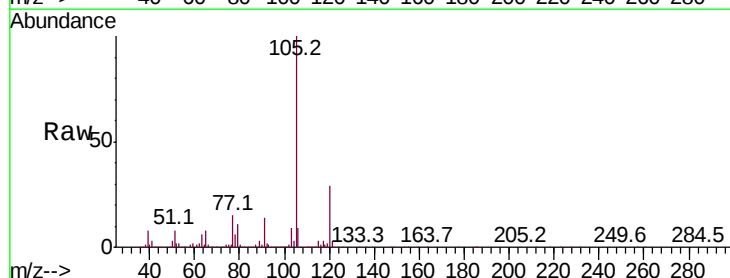
Ion Ratio Lower Upper

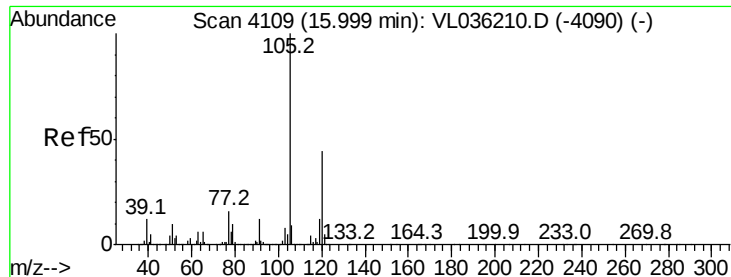
105 100

120 28.7 23.7 35.5

91 14.2 11.9 17.9

77 15.7 12.6 18.8





#73

1,3,5-Trimethylbenzene

Concen: 8.963 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3836498

Ion Ratio Lower Upper

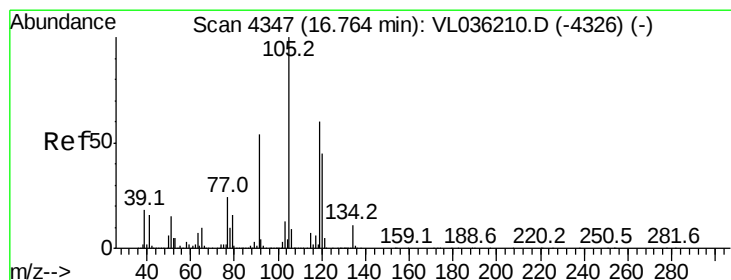
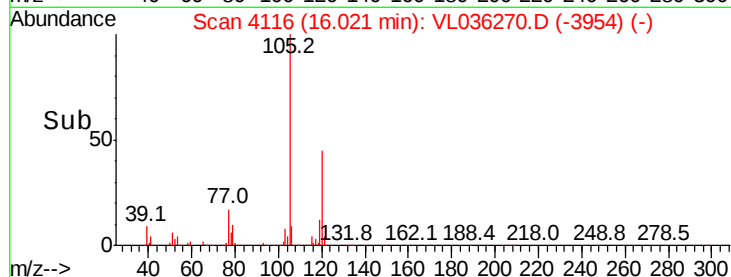
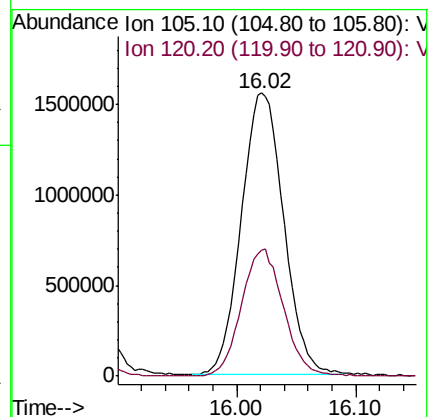
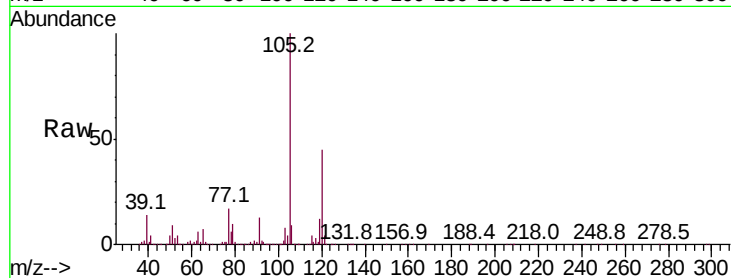
105 100

120 44.7 35.5 53.3

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#74

1,2,4-Trimethylbenzene

Concen: 8.835 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Tgt Ion:105 Resp: 3878945

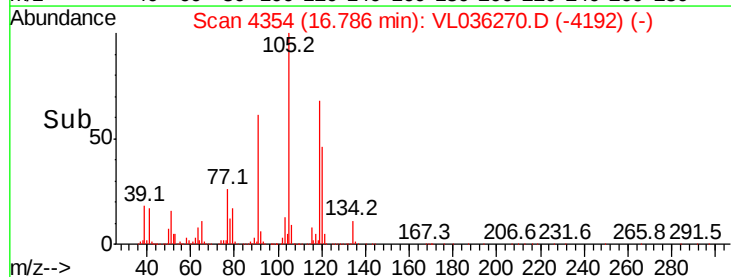
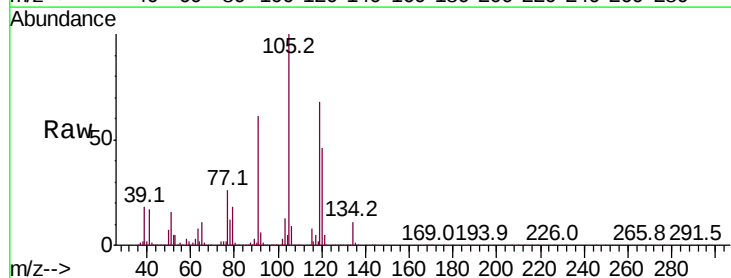
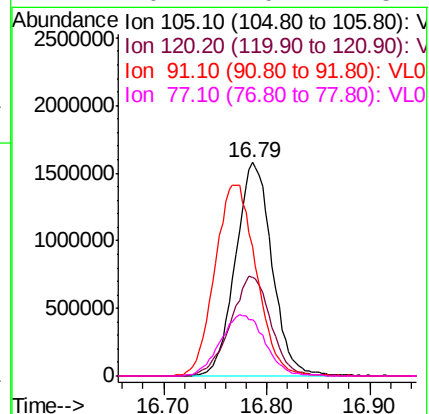
Ion Ratio Lower Upper

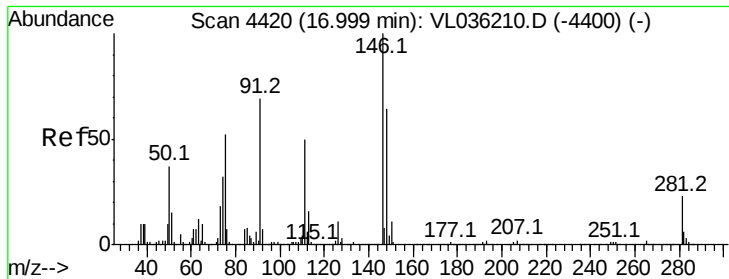
105 100

120 45.8 36.2 54.2

91 60.5 43.3 64.9

77 26.1 19.1 28.7





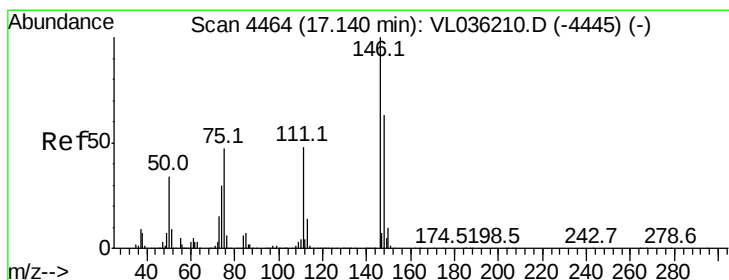
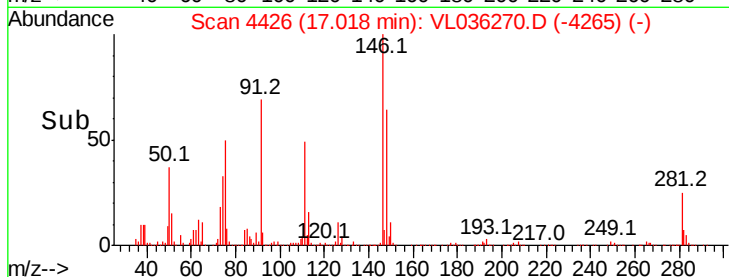
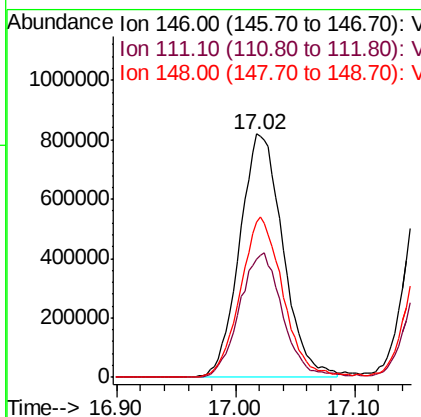
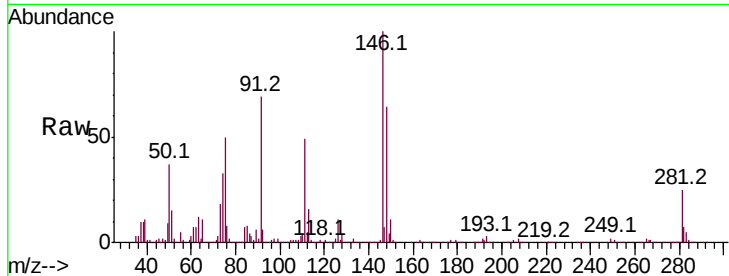
#75
 1,3-Dichlorobenzene
 Concen: 8.741 ppbv
 RT: 17.02 min Scan# 4426
 Delta R.T. 0.02 min
 Lab File: VL036270.D
 Acq: 22 Jan 2021 17:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 2058471
 Ion Ratio Lower Upper
 146 100
 111 51.0 25.5 76.5
 148 64.9 32.4 97.2

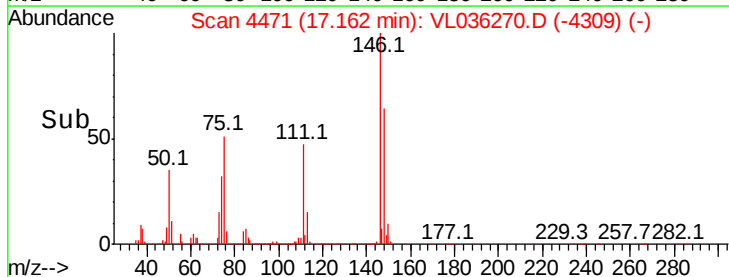
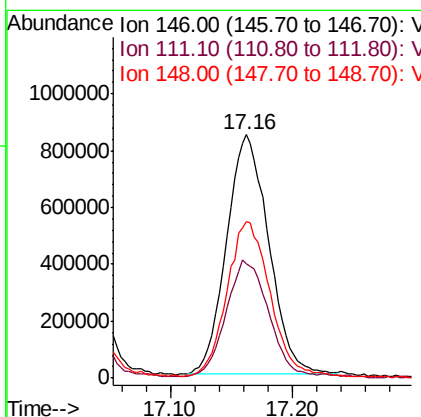
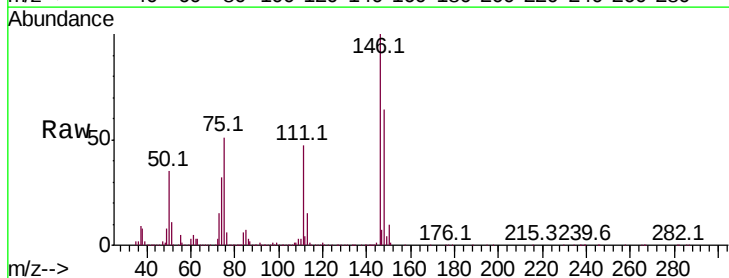
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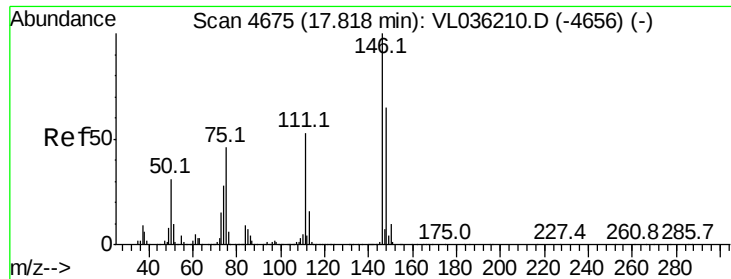
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#76
 1,4-Dichlorobenzene
 Concen: 8.698 ppbv
 RT: 17.16 min Scan# 4471
 Delta R.T. 0.02 min
 Lab File: VL036270.D
 Acq: 22 Jan 2021 17:14

Tgt Ion:146 Resp: 2023663
 Ion Ratio Lower Upper
 146 100
 111 50.7 25.4 76.0
 148 67.7 33.3 99.9





#77

1,2-Dichlorobenzene

Concen: 8.995 ppbv

RT: 17.84 min Scan# 4682

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2069008

Ion Ratio Lower Upper

146 100

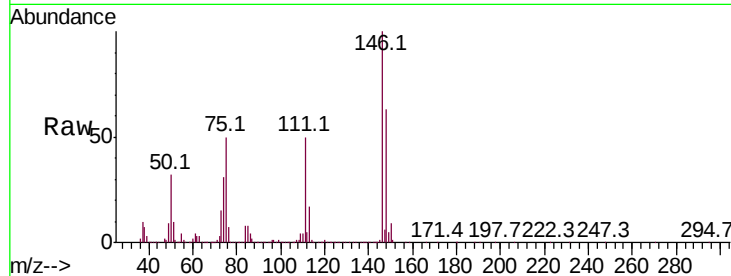
111 52.6 26.5 79.4

148 64.4 32.8 98.4

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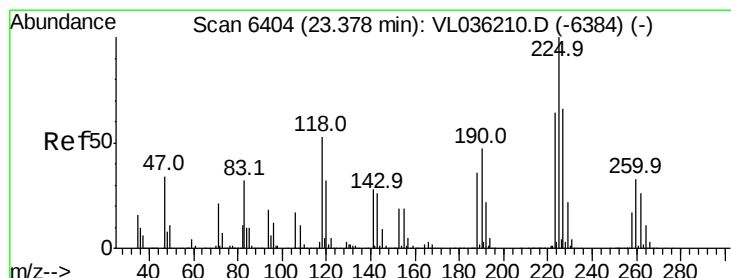
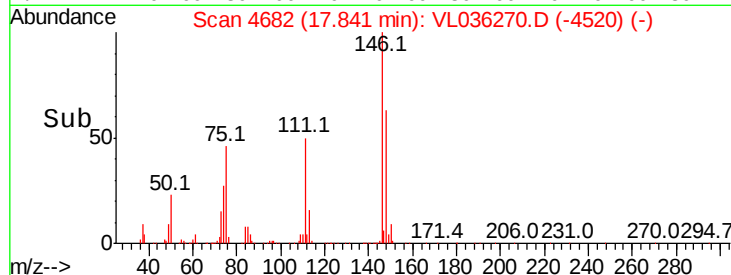
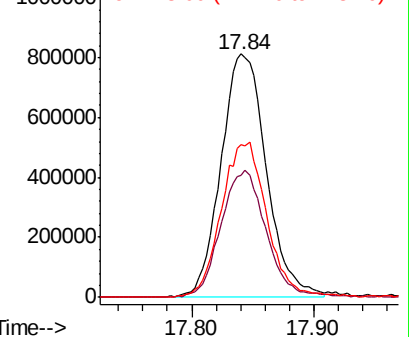
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 10.905 ppbv

RT: 23.40 min Scan# 6412

Delta R.T. 0.03 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

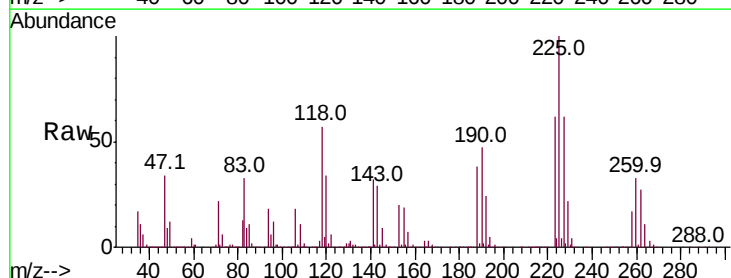
Tgt Ion:225 Resp: 2006105

Ion Ratio Lower Upper

225 100

223 0.0 50.5 75.7#

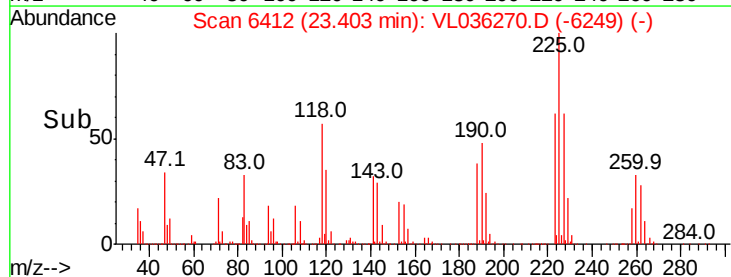
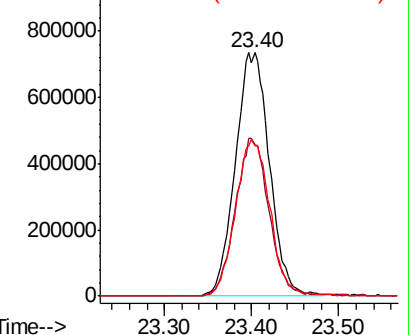
227 64.6 51.7 77.5

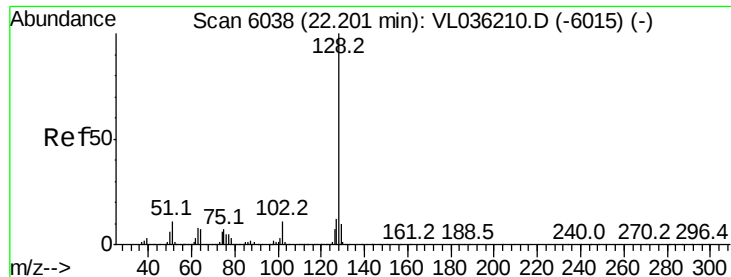


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 15.544 ppbv

RT: 22.23 min Scan# 6046

Delta R.T. 0.03 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

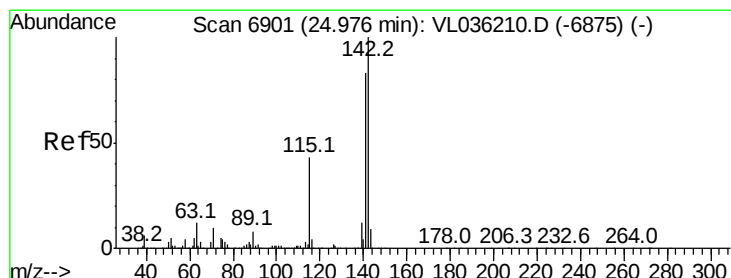
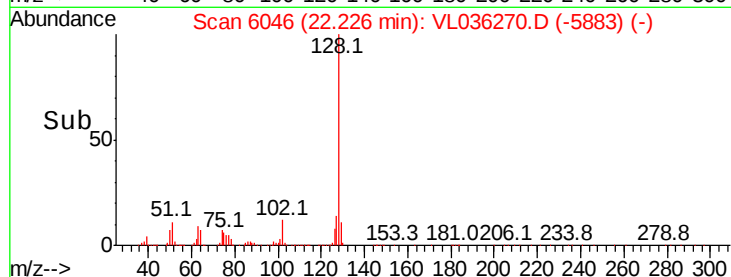
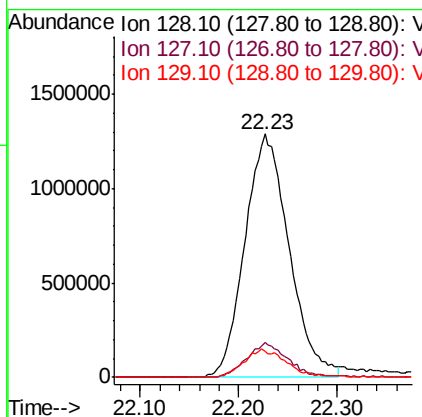
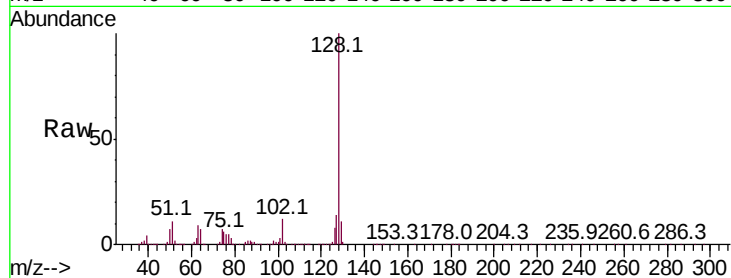
ClientSampleId :

VSTDCCC010EC

Tot Ion:	128	Resp:	3989376
Ion	Ratio	Lower	Upper
128	100		
127	14.2	9.9	14.9
129	10.8	8.4	12.6

Manual Integrations
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MMDadoda
1/26/2021 12:58:31 PM



#80

Naphthalene, 2-methyl-

Concen: 15.758 ppbv

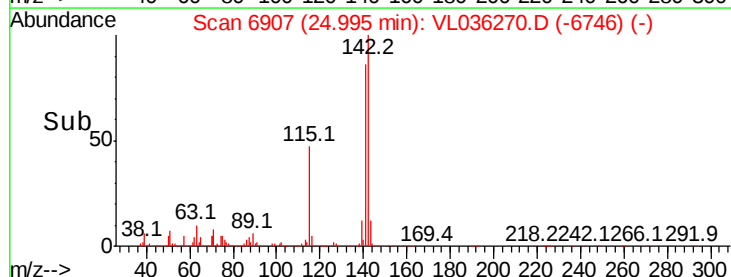
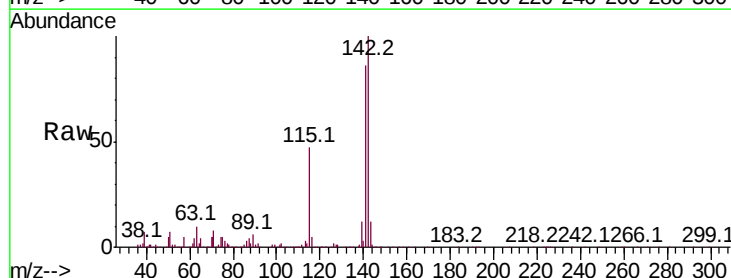
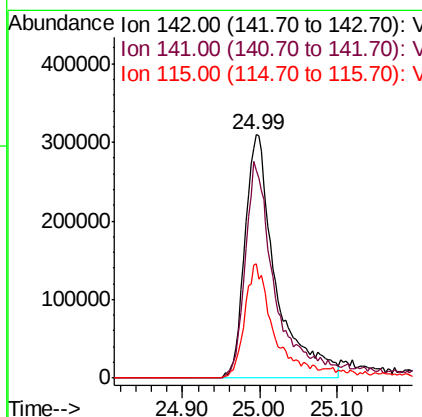
RT: 24.99 min Scan# 6907

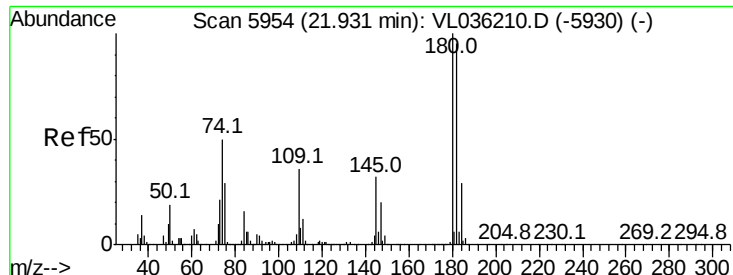
Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Tgt Ion:	142	Resp:	862933
Ion	Ratio	Lower	Upper
142	100		
141	92.5	68.6	102.8
115	47.7	32.9	49.3





#81
 1,2,4-Trichlorobenzene
 Concen: 13.395 ppbv
 RT: 21.96 min Scan# 5962
 Delta R.T. 0.03 min
 Lab File: VL036270.D
 Acq: 22 Jan 2021 17:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.4	79.9	119.9
184	31.9	25.6	38.4

Manual Integrations
 APPROVED

MMDadoda
 1/26/2021 12:58:31 PM

