

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036241.D
 Acq On : 14 Jan 2021 1:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

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 1/18/2021 3:50:03 PM

Quant Time: Jan 14 03:18:19 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 1
 QLast Update : Wed Jan 13 07:53:51 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1570380	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3468850	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	3385562m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2718446	9.70	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	2136008	10.025	ppbv 99
3) Chlorodifluoromethane	2.99	51	1837257	9.429	ppbv 98
4) Chloromethane	3.14	50	901423	9.359	ppbv 94
5) Vinyl Chloride	3.26	62	869707	9.680	ppbv 95
6) Bromomethane	3.48	94	451812	9.551	ppbv 99
7) Chloroethane	3.56	64	307459	10.157	ppbv 98
8) Dichlorotetrafluoroethane	3.19	85	1956407	9.942	ppbv 99
9) Propene	3.01	41	770002	8.293	ppbv 98
10) Heptane	8.14	43	2097396	9.111	ppbv 98
11) Trichlorofluoromethane	3.95	101	1978145	9.477	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1207359	9.215	ppbv 99
13) Ethanol	3.61	45	102384	5.252	ppbv 100
14) Bromoethene	3.74	108	554712	10.018	ppbv 96
15) Acetone	3.86	43	1580840	8.476	ppbv 98
16) 1,3-Butadiene	3.33	39	822209	9.250	ppbv 95
17) tert-Butyl alcohol	4.30	59	1498409	9.806	ppbv 100
18) 1,1-Dichloroethene	4.29	96	520467	9.216	ppbv 96
19) Isopropyl Alcohol	3.98	45	1007583	9.346	ppbv 100
20) Methylene Chloride	4.35	84	455436	7.974	ppbv 95
21) Allyl Chloride	4.42	41	934932	9.187	ppbv 93
22) trans-1,2-Dichloroethene	4.89	96	475531	9.033	ppbv 98
23) Vinyl Acetate	5.08	43	2095236	8.914	ppbv # 97
24) 1,1-Dichloroethane	5.02	63	1592081	9.542	ppbv 98
25) Ethyl Acetate	5.69	43	3518694	9.265	ppbv 99
26) Hexane	5.70	57	1420720	8.945	ppbv 99
27) Carbon Disulfide	4.56	76	1365386	10.695	ppbv 99
28) Methyl tert-Butyl Ether	5.04	73	1981307	9.239	ppbv 97
29) Chloroform	5.76	83	2258132	9.713	ppbv 97
30) Cyclohexane	7.14	84	1184254	9.548	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1483115	9.682	ppbv 97
32) 1,1,1-Trichloroethane	6.53	97	2222218	9.916	ppbv 99
34) 2-Butanone	5.26	43	2219819	10.041	ppbv 99
35) Carbon Tetrachloride	7.03	117	2210692	10.087	ppbv 99
36) Benzene	6.90	78	2953158	9.291	ppbv 97
37) 1,2-Dichloroethane	6.32	62	1877770	9.818	ppbv 100
38) Trichloroethene	7.85	130	975566	8.208	ppbv 97
39) 1,2-Dichloropropane	7.63	63	1192757	9.243	ppbv 98
40) 1,4-Dioxane	7.84	88	391160m	8.379	ppbv
41) Tetrahydrofuran	6.06	42	1316884	10.131	ppbv 99
42) Bromodichloromethane	7.81	83	2436666	10.136	ppbv 99
43) Methyl Methacrylate	8.02	69	1336155	10.058	ppbv 96

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Manual Integrations
 APPROVED

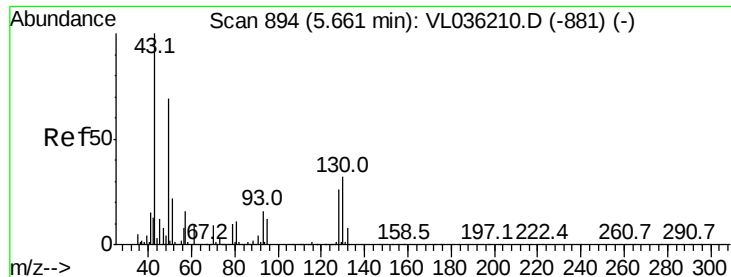
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 1/18/2021 3:50:03 PM

Quant Time: Jan 14 03:18:19 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 13
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.88	57	5100528	8.737	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1382016	10.772	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1696759	10.292	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1131462	9.165	ppbv	95
48) Dibromochloromethane	10.32	129	1775641	9.831	ppbv	100
49) Bromoform	13.06	173	1338610	9.077	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	3440119	9.282	ppbv	100
51) 2-Hexanone	10.15	43	2786952	9.643	ppbv #	100
52) Tetrachloroethene	11.24	164	892179	7.617	ppbv	97
53) Toluene	9.82	91	3207191	9.116	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1651872	9.129	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.14	131	1310722	8.675	ppbv	99
57) Chlorobenzene	12.17	112	2161778	8.138	ppbv	98
58) Ethyl Benzene	12.73	91	4258834	8.477	ppbv	98
59) m/p-Xylene	13.01	91	7169589m	16.608	ppbv	
60) o-Xylene	13.71	91	3278722	7.879	ppbv	99
61) Styrene	13.55	104	2283051	8.689	ppbv	99
62) Isopropylbenzene	14.68	105	4888255	7.901	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	2189695	7.067	ppbv	99
64) n-propylbenzene	15.58	120	1232936	8.111	ppbv	97
65) tert-Butylbenzene	16.76	119	3992237	7.615	ppbv	99
66) Benzyl Chloride	17.00	91	1212501	9.053	ppbv	100
67) sec-Butylbenzene	17.31	105	5794142	7.446	ppbv	100
69) p-Isopropyltoluene	17.67	119	4772420	7.825	ppbv	99
70) n-Butylbenzene	18.57	91	5264012	8.005	ppbv	100
71) 2-Chlorotoluene	15.47	91	3757795	7.728	ppbv	100
72) 4-Ethyltoluene	15.86	105	3728913	7.941	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	3506010	7.832	ppbv	100
74) 1,2,4-Trimethylbenzene	16.78	105	3582009	7.801	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	1870218	7.790	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	1829554	7.954	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	1913707	8.110	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	1829179	9.731	ppbv	98
79) Naphthalene	22.22	128	3762035	14.323	ppbv	97
80) Naphthalene, 2-methyl-	24.99	142	1005110	18.661	ppbv	96
81) 1,2,4-Trichlorobenzene	21.94	180	1881275m	12.750	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.02 min

Lab File: VL036241.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1570380

Ion Ratio Lower Upper

49 100

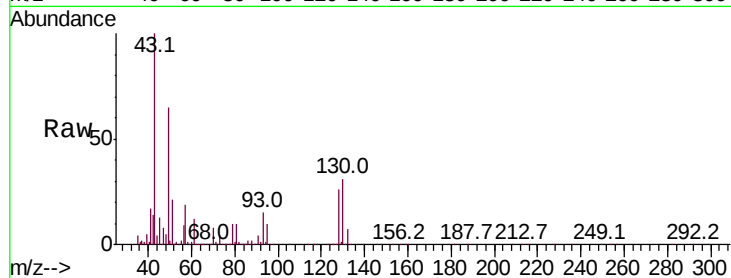
128 41.0 20.1 60.2

130 51.1 25.3 75.9

Manual Integrations
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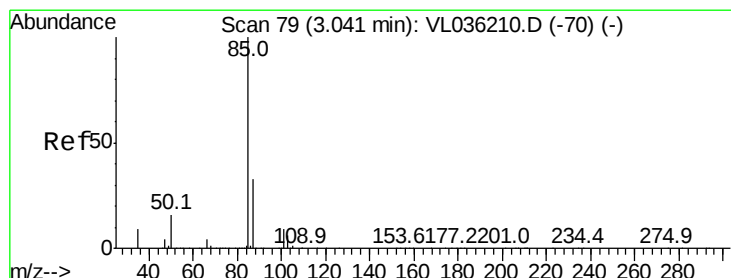
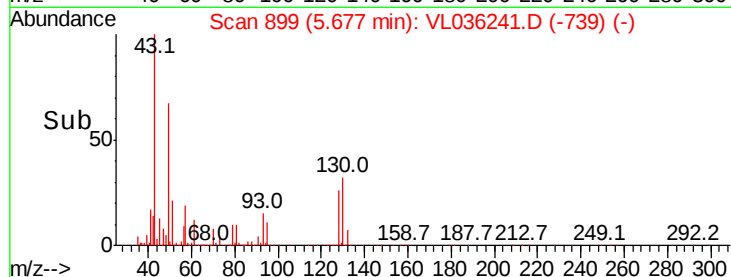
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.68

Time-->



#2

Dichlorodifluoromethane

Concen: 10.025 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL036241.D

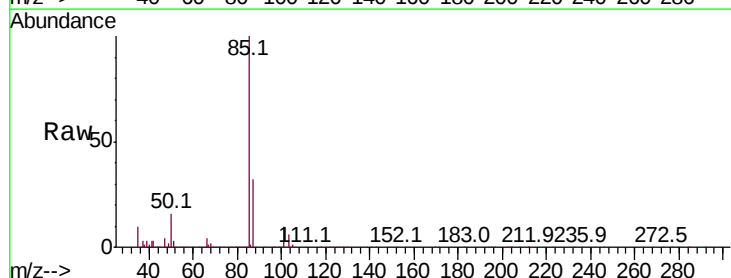
Acq: 14 Jan 2021 1:47

Tgt Ion: 85 Resp: 2136008

Ion Ratio Lower Upper

85 100

87 32.2 26.4 39.6

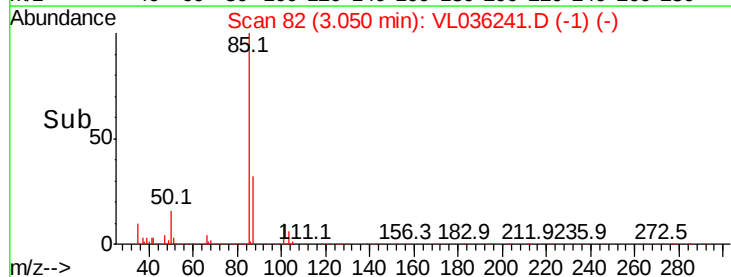


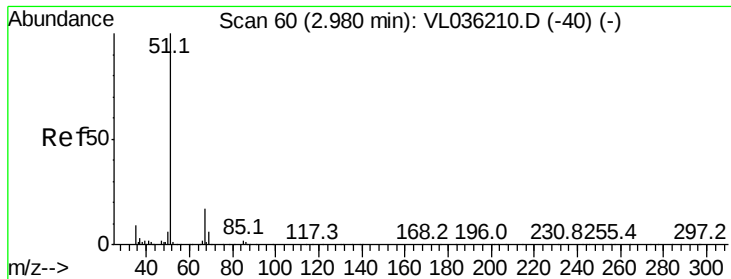
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.05

Time-->





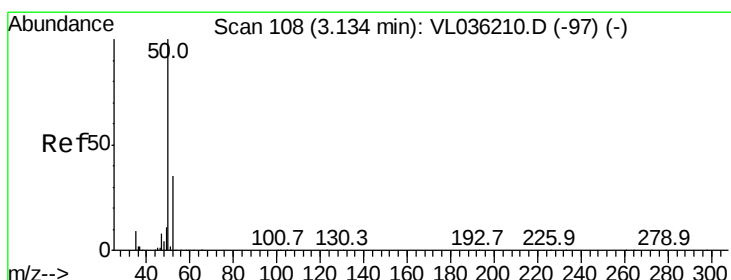
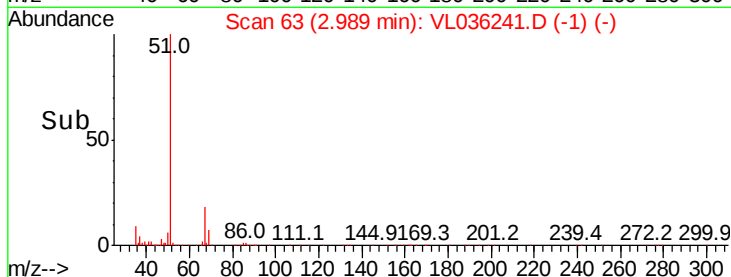
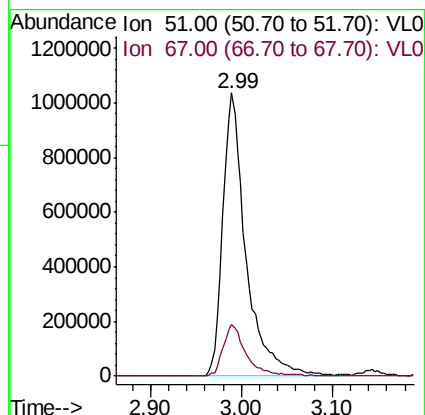
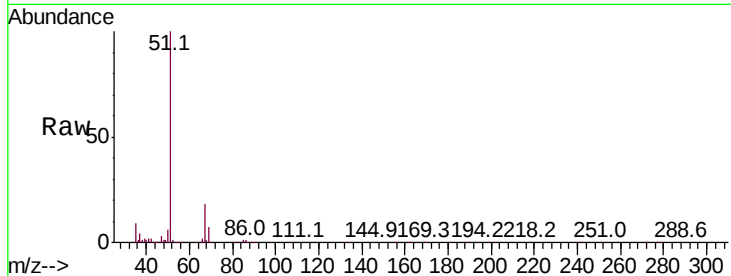
#3
 Chlorodifluoromethane
 Concen: 9.429 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. 0.01 min
 Lab File: VL036241.D
 Acq: 14 Jan 2021 1:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 51 Resp: 1837257
 Ion Ratio Lower Upper
 51 100
 67 18.5 14.0 21.0

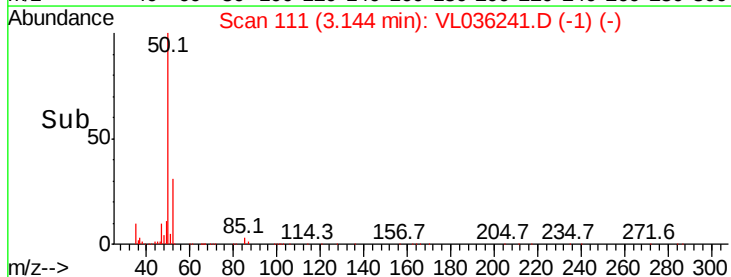
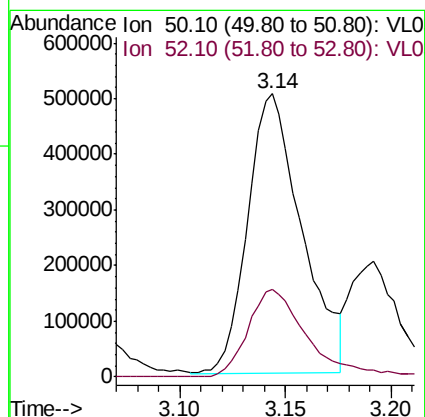
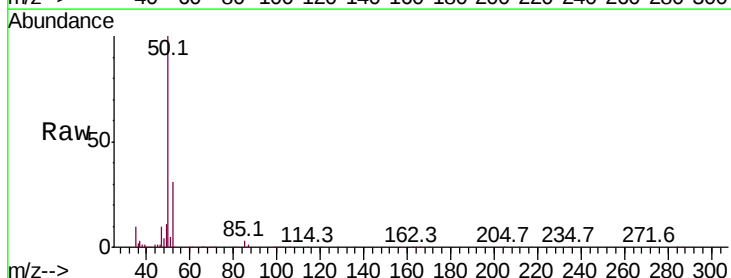
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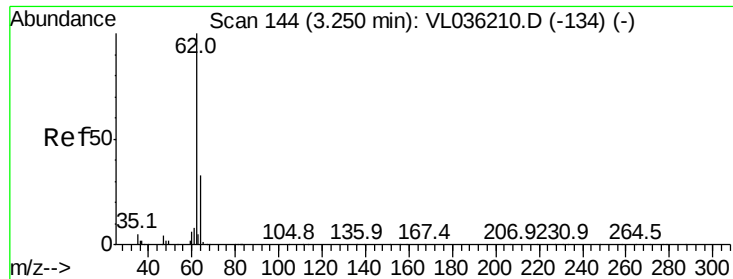
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#4
 Chloromethane
 Concen: 9.359 ppbv
 RT: 3.14 min Scan# 111
 Delta R.T. 0.01 min
 Lab File: VL036241.D
 Acq: 14 Jan 2021 1:47

Tgt Ion: 50 Resp: 901423
 Ion Ratio Lower Upper
 50 100
 52 31.4 27.8 41.8





#5

Vinyl Chloride

Concen: 9.680 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 869707

Ion Ratio Lower Upper

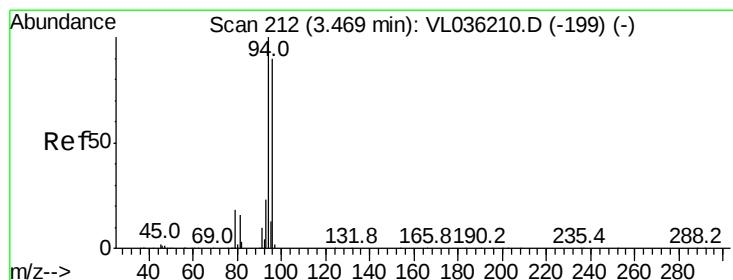
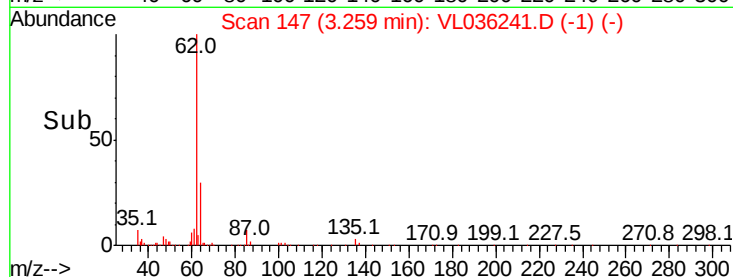
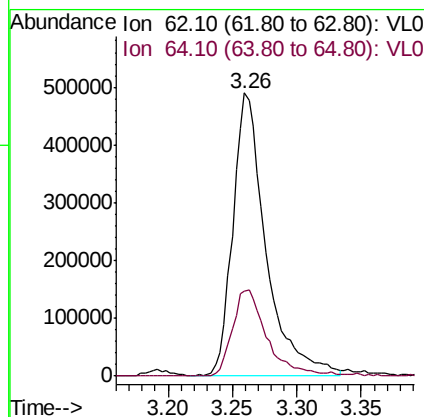
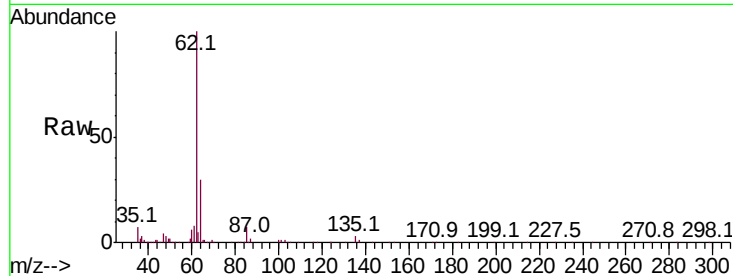
62 100

64 30.0 26.2 39.2

Manual Integrations
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1/18/2021 3:50:03 PM



#6

Bromomethane

Concen: 9.551 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.01 min

Lab File: VL036241.D

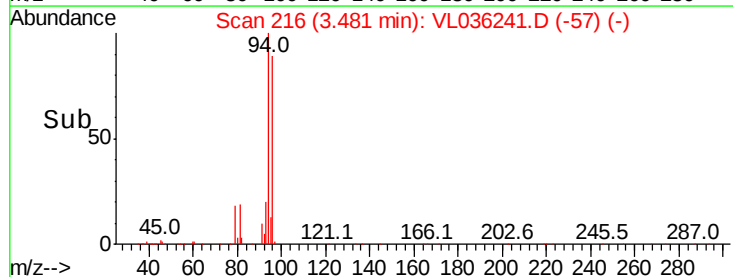
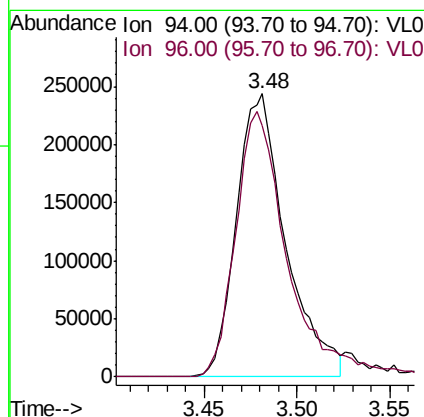
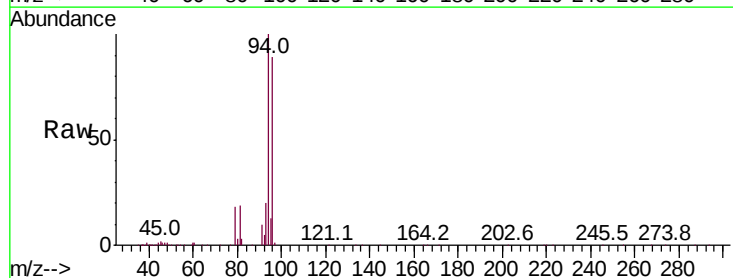
Acq: 14 Jan 2021 1:47

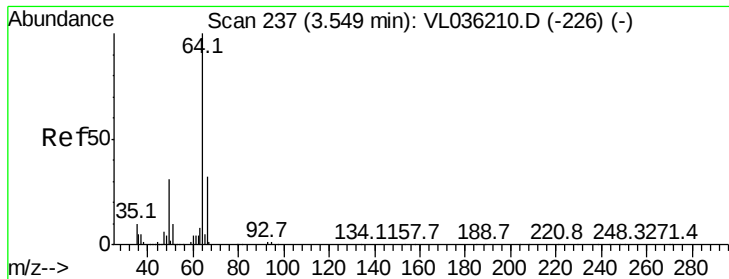
Tgt Ion: 94 Resp: 451812

Ion Ratio Lower Upper

94 100

96 88.6 71.9 107.9





#7

Chloroethane

Concen: 10.157 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 307459

Ion Ratio Lower Upper

64 100

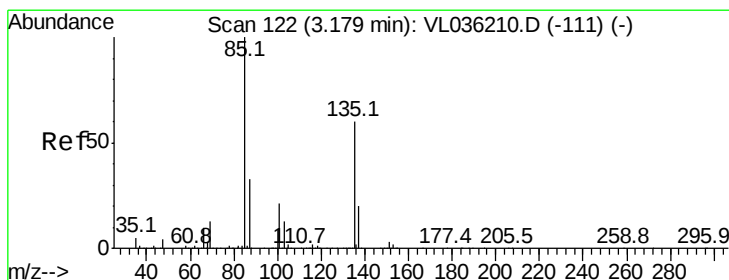
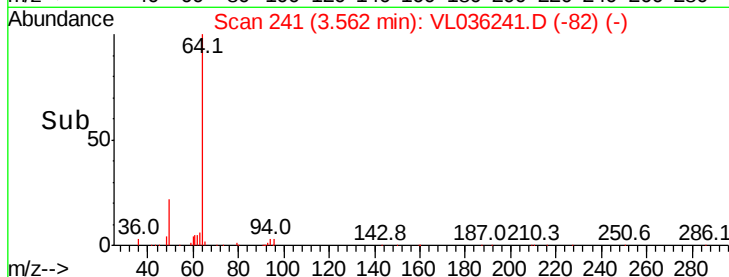
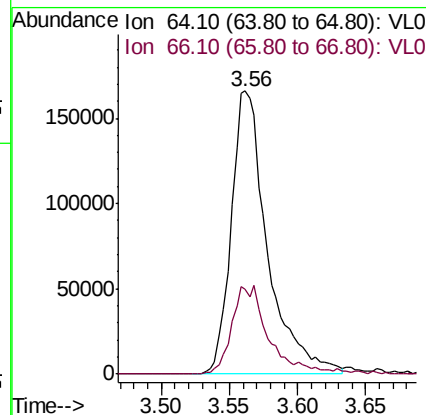
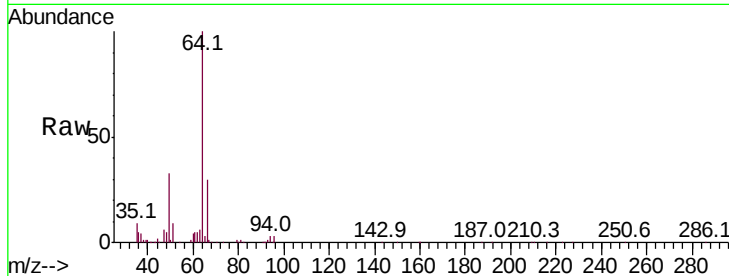
66 30.2 25.2 37.8

Manual Integrations

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1/18/2021 3:50:03 PM



#8

Dichlorotetrafluoroethane

Concen: 9.942 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL036241.D

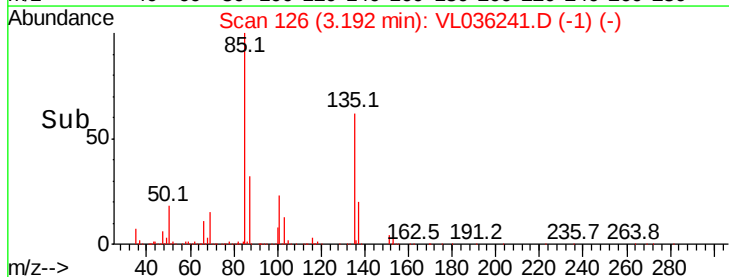
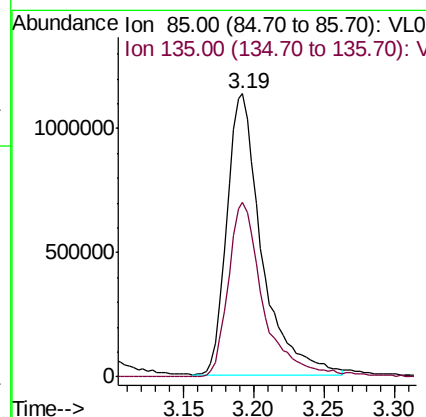
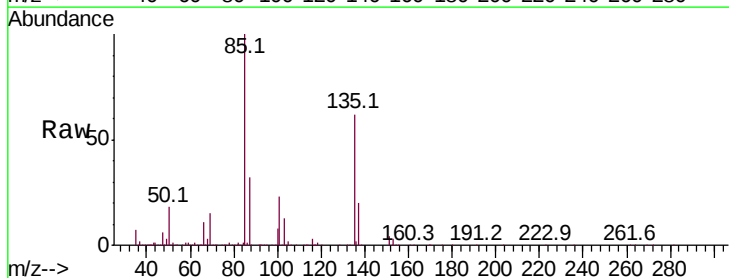
Acq: 14 Jan 2021 1:47

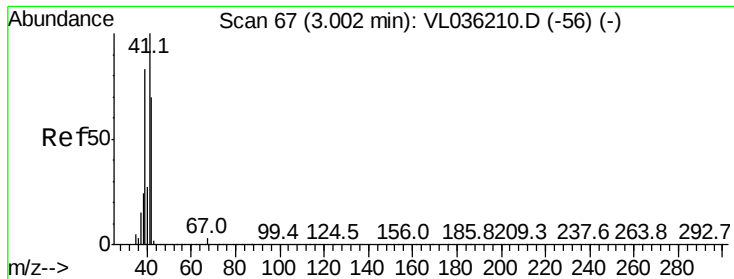
Tgt Ion: 85 Resp: 1956407

Ion Ratio Lower Upper

85 100

135 63.6 51.5 77.3





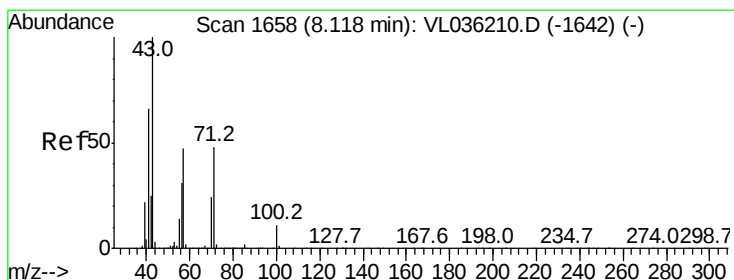
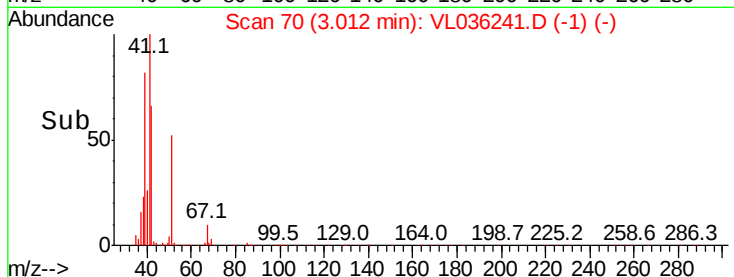
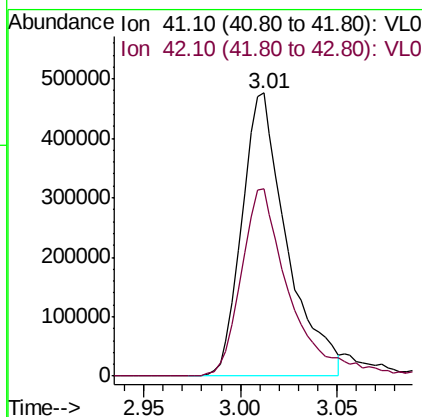
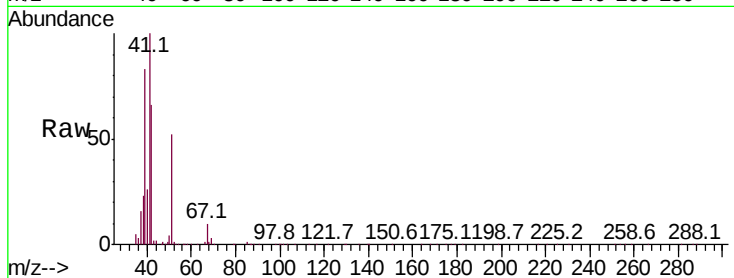
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Propene
Concen: 8.293 ppbv
RT: 3.01 min Scan# 70
Delta R.T. 0.01 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 41 Resp: 770002
Ion Ratio Lower Upper
41 100
42 73.0 57.1 85.7

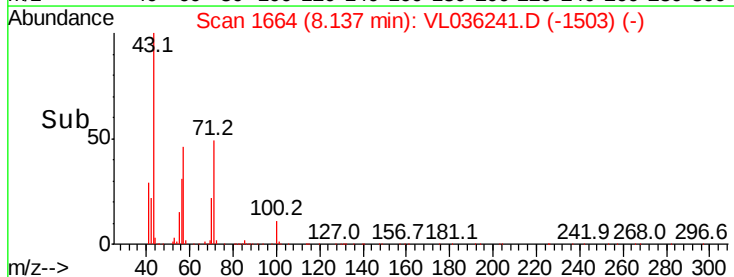
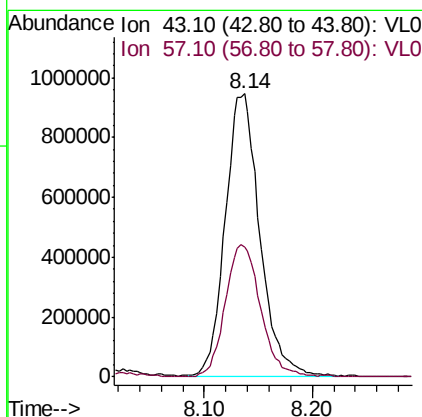
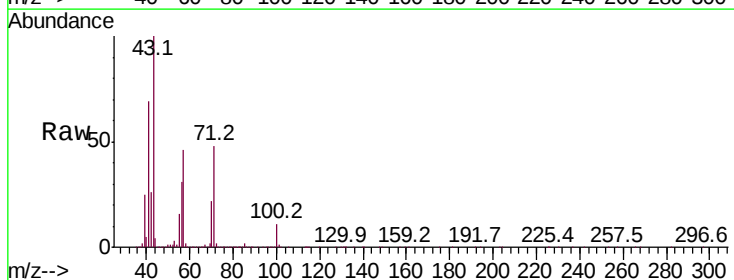
Manual Integrations
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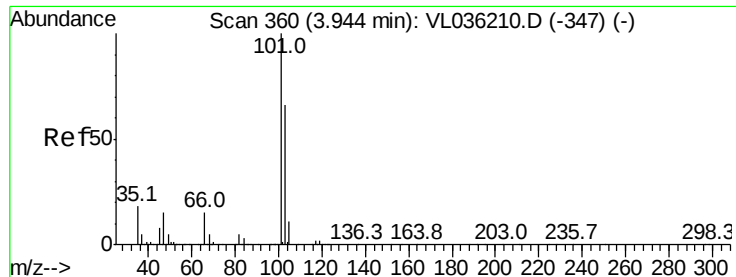
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1/18/2021 3:50:03 PM



#10
Heptane
Concen: 9.111 ppbv
RT: 8.14 min Scan# 1664
Delta R.T. 0.02 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Tgt Ion: 43 Resp: 2097396
Ion Ratio Lower Upper
43 100
57 48.6 38.1 57.1





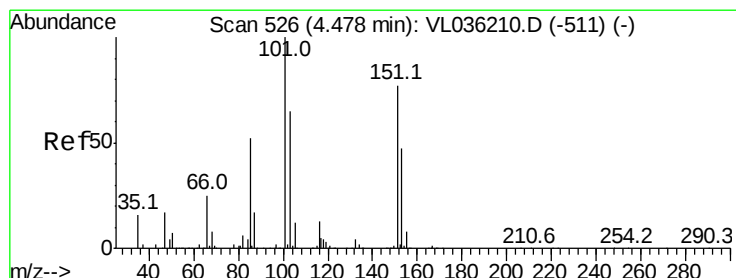
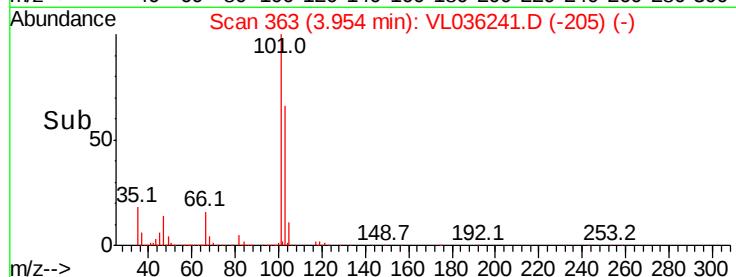
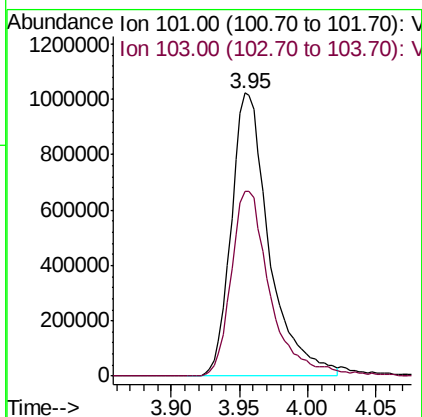
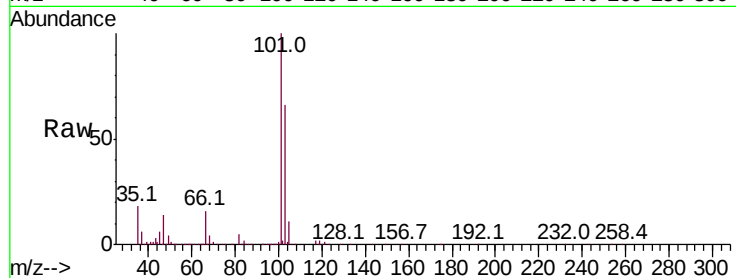
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 Trichlorofluoromethane
 Concen: 9.477 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.01 min
 Lab File: VL036241.D
 Acq: 14 Jan 2021 1:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1978145
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.6 78.8

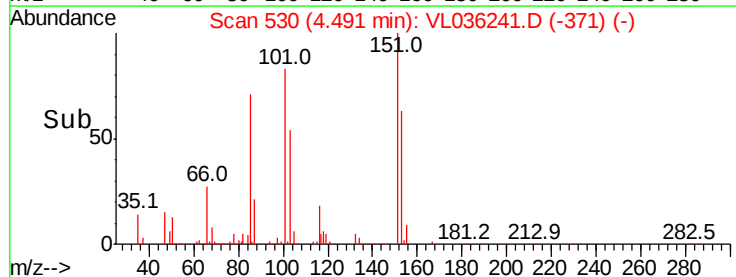
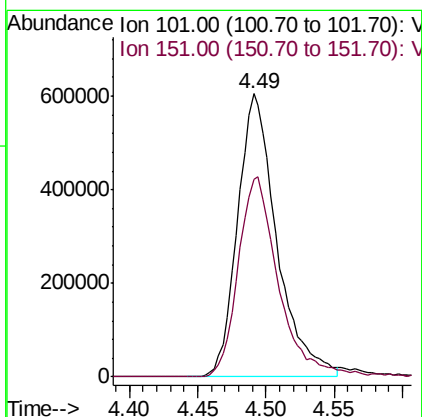
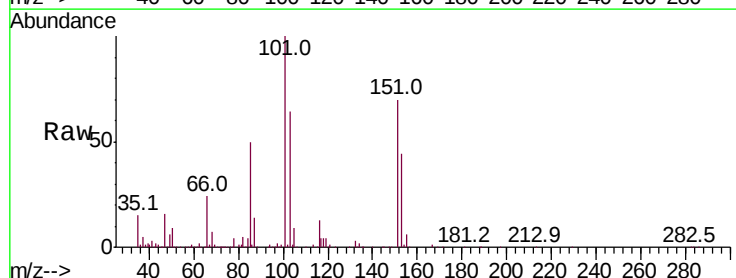
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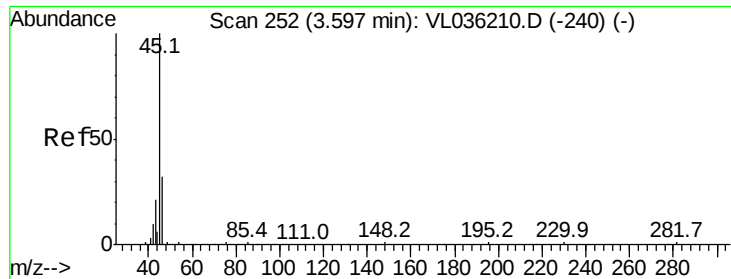
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.215 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VL036241.D
 Acq: 14 Jan 2021 1:47

Tgt Ion:101 Resp: 1207359
 Ion Ratio Lower Upper
 101 100
 151 73.6 59.8 89.6





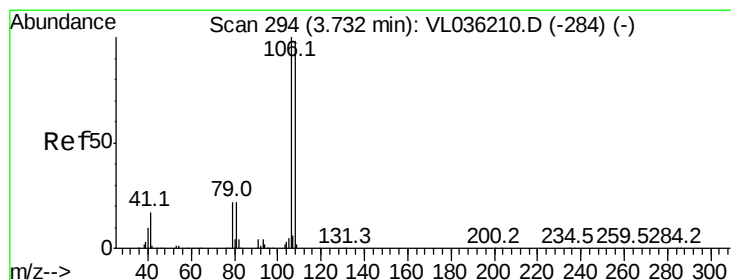
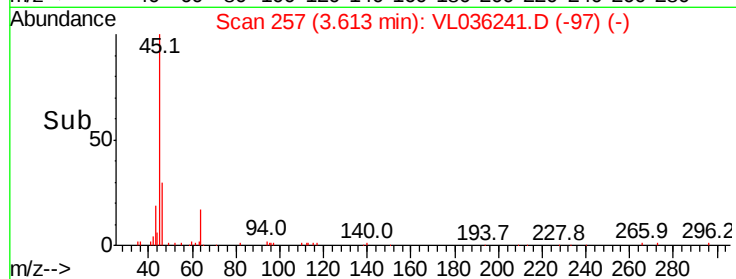
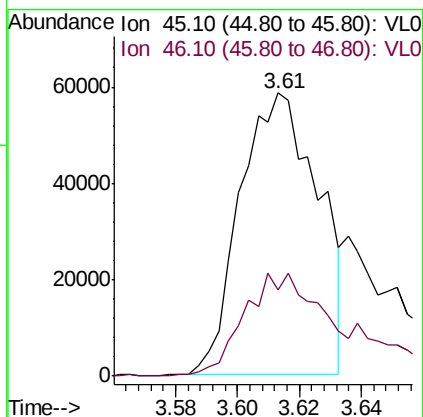
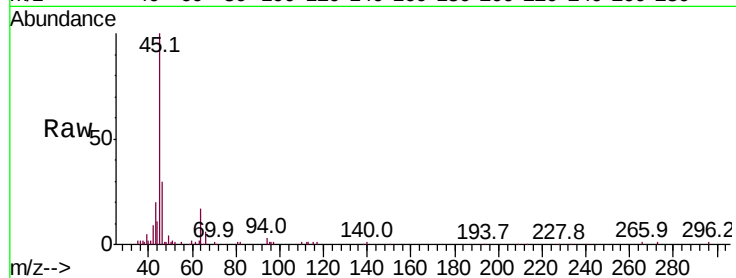
#13
Ethanol
Concen: 5.252 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.02 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
46	48.2	19.2	77.0

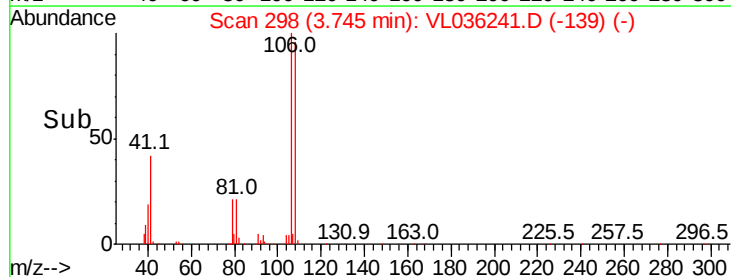
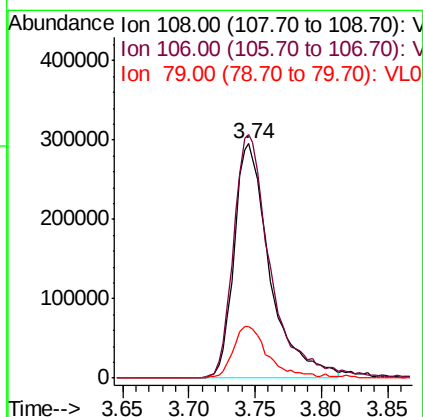
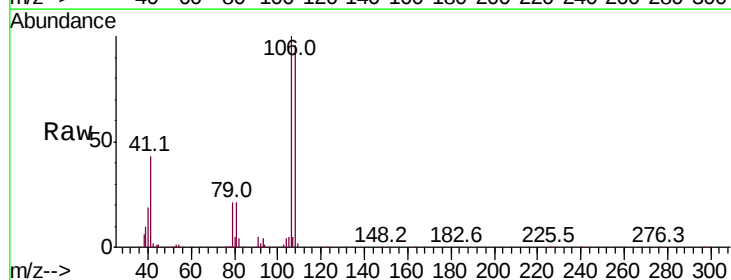
Manual Integrations
APPROVED

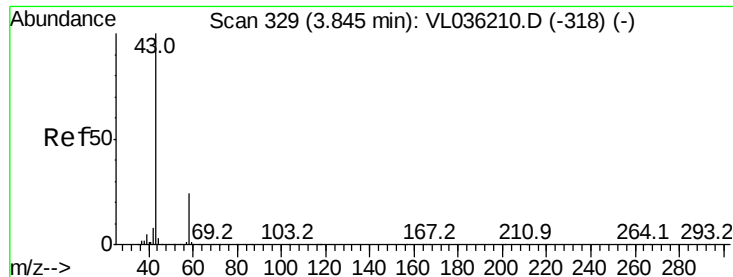
MMDadoda
1/18/2021 3:50:03 PM



#14
Bromoethene
Concen: 10.018 ppbv
RT: 3.74 min Scan# 298
Delta R.T. 0.01 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Tgt Ion	Ratio	Lower	Upper
108	100		
106	109.2	91.4	137.2
79	22.5	18.3	27.5





#15

Acetone

Concen: 8.476 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1580840

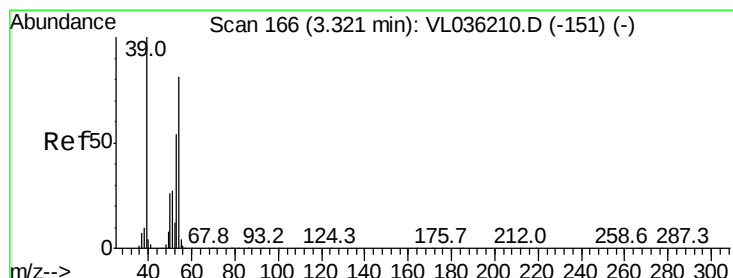
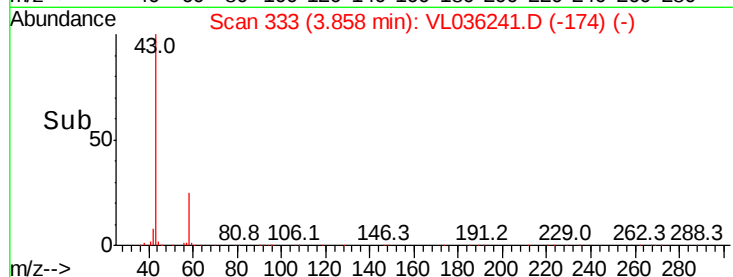
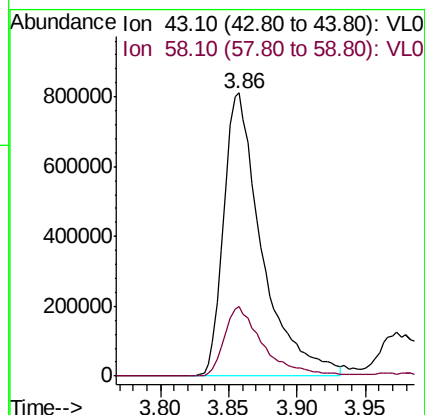
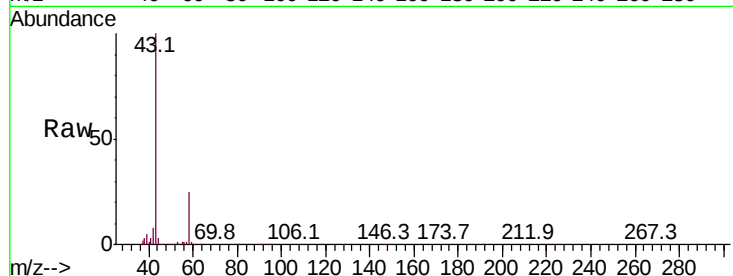
Ion Ratio Lower Upper

43 100

58 25.0 20.9 31.3

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#16

1,3-Butadiene

Concen: 9.250 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL036241.D

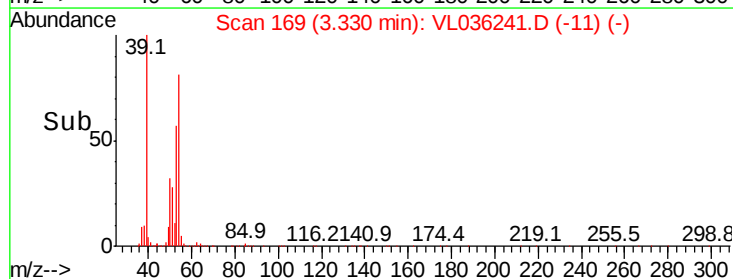
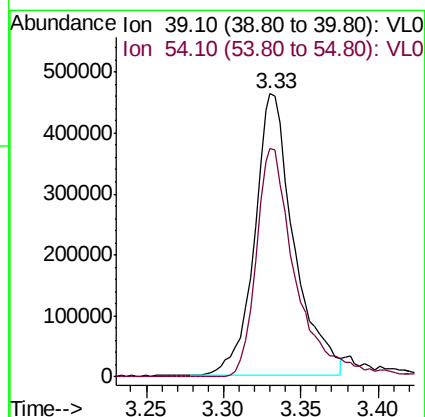
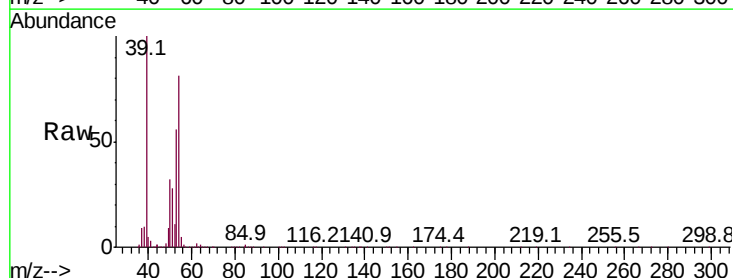
Acq: 14 Jan 2021 1:47

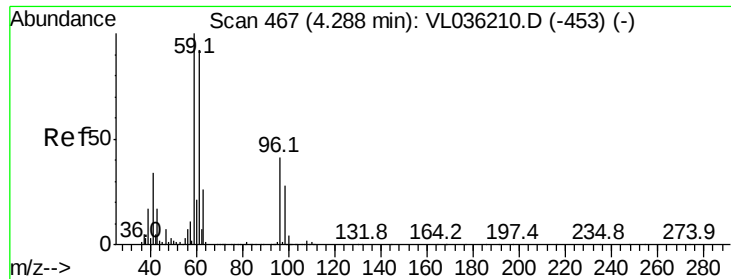
Tgt Ion: 39 Resp: 822209

Ion Ratio Lower Upper

39 100

54 82.7 62.5 93.7





#17

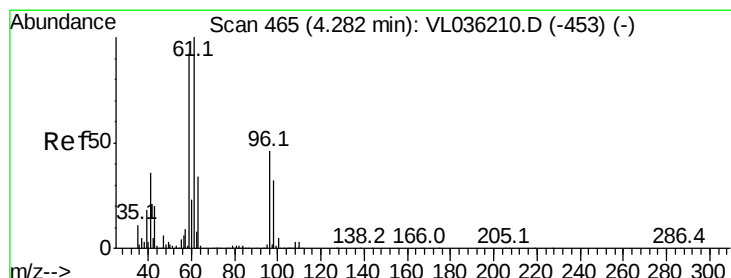
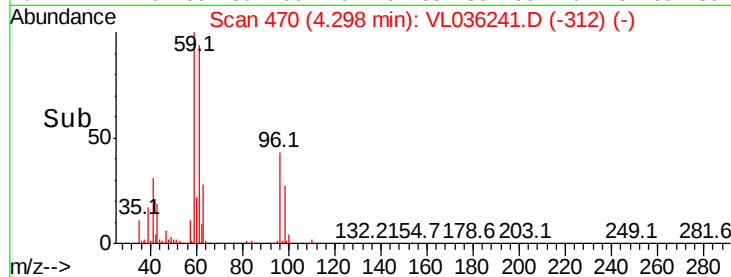
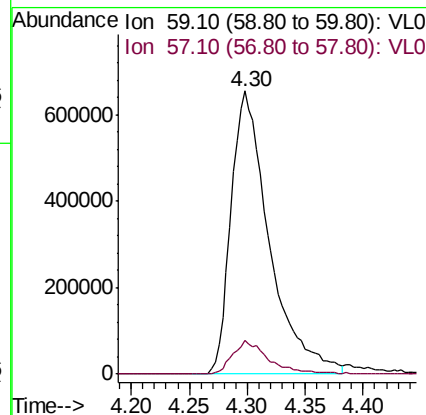
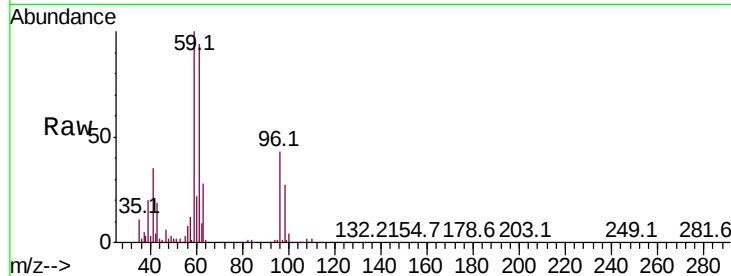
tert-Butyl alcohol
Concen: 9.806 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1498409
Ion Ratio Lower Upper
59 100
57 11.3 9.2 13.8

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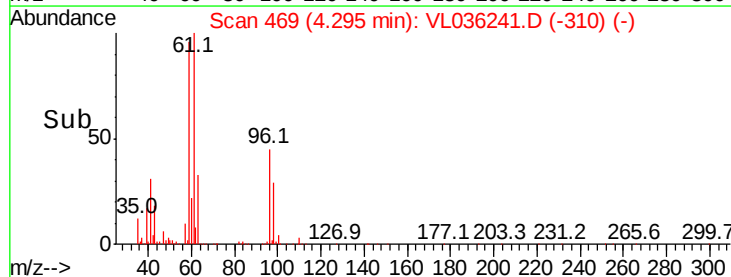
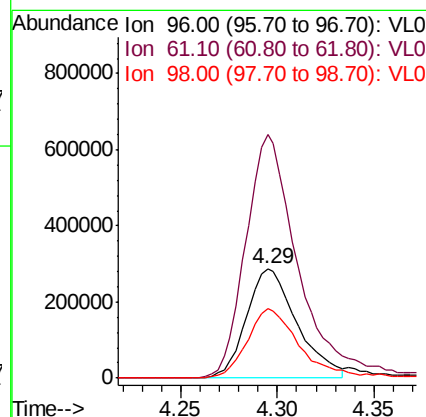
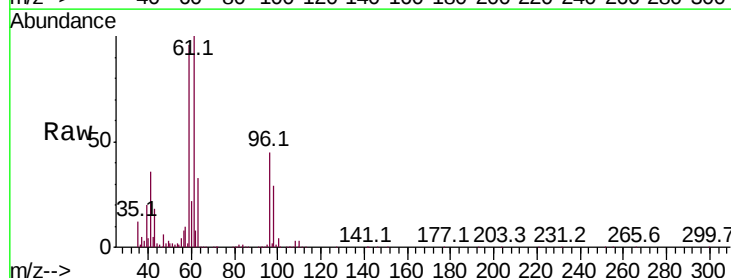
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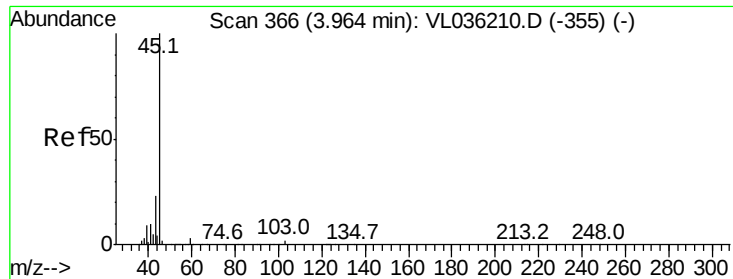


#18

1,1-Dichloroethene
Concen: 9.216 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.01 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Tgt Ion: 96 Resp: 520467
Ion Ratio Lower Upper
96 100
61 222.4 173.4 260.0
98 63.5 54.9 82.3





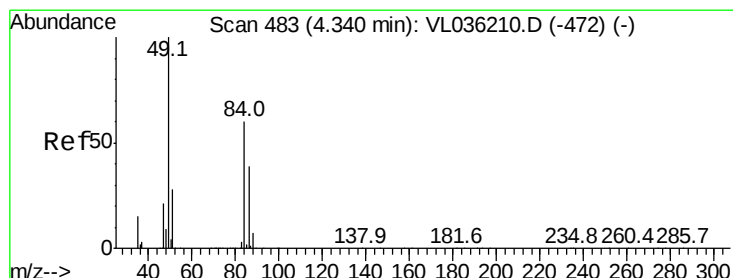
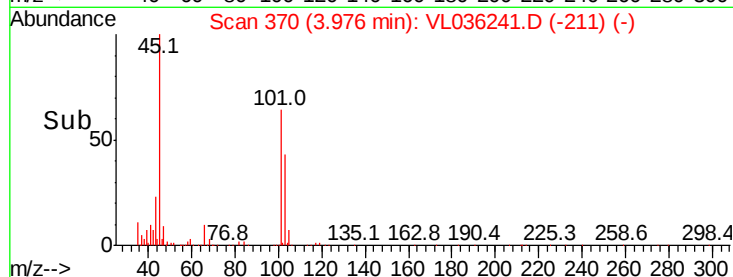
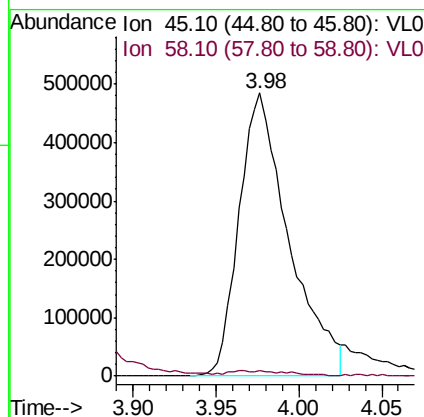
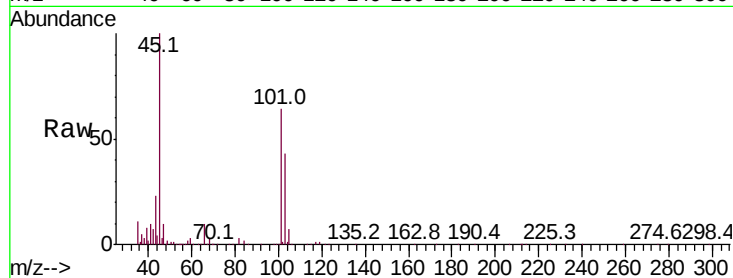
#19
Isopropyl Alcohol
Concen: 9.346 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.01 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 1007583
Ion Ratio Lower Upper
45 100
58 2.4 1.9 2.9

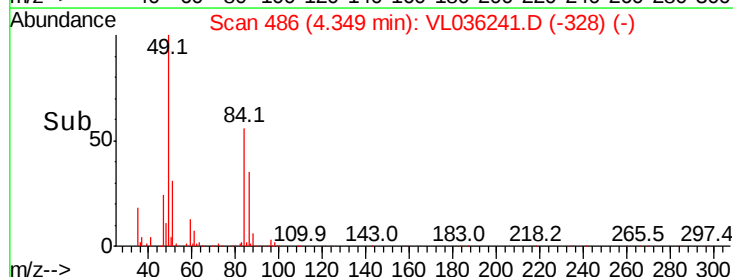
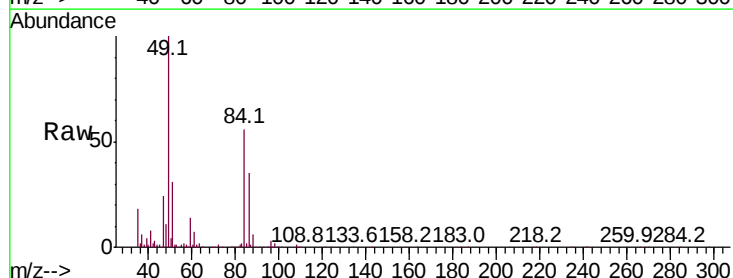
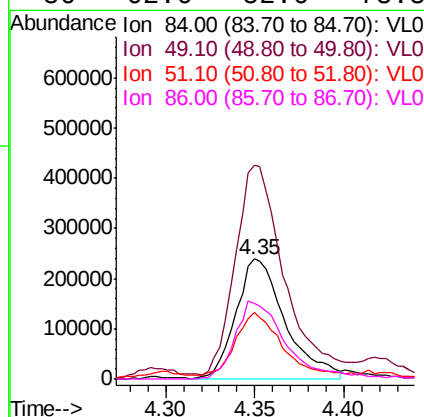
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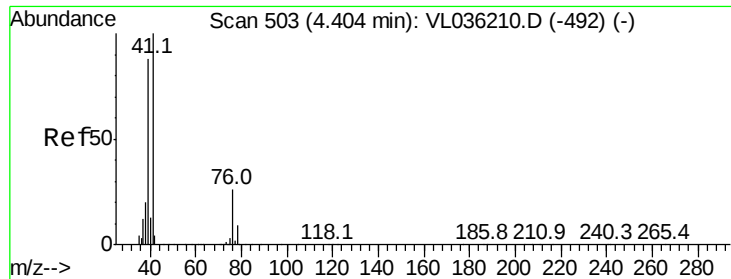
MMDadoda
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#20
Methylene Chloride
Concen: 7.974 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.01 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Tgt Ion: 84 Resp: 455436
Ion Ratio Lower Upper
84 100
49 174.4 134.1 201.1
51 52.5 37.4 56.0
86 62.6 52.6 78.8





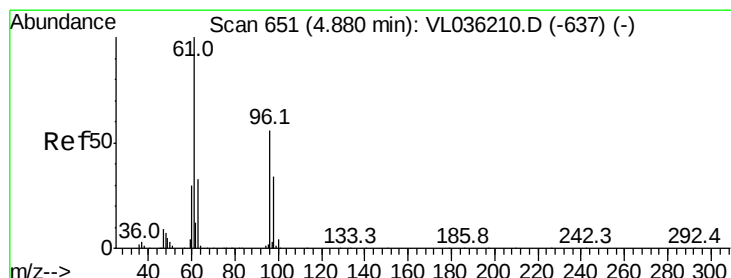
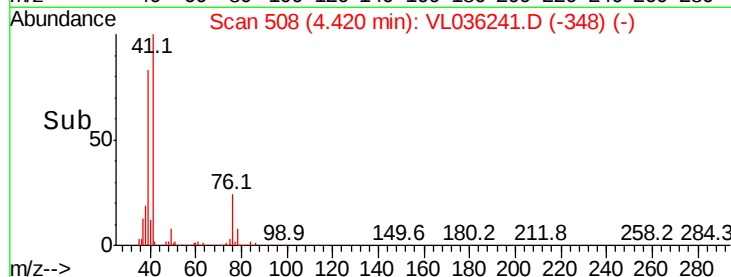
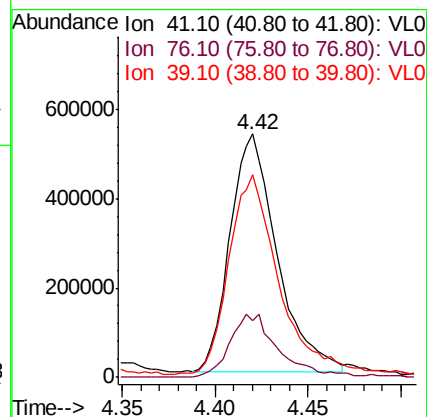
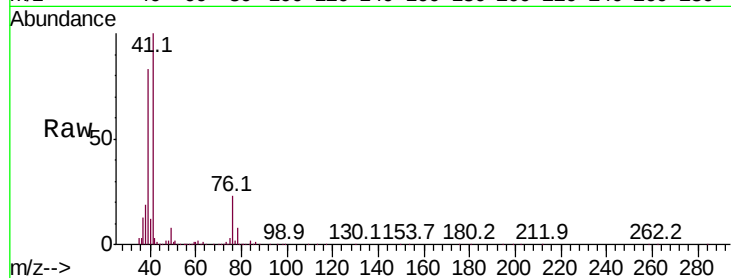
#21
Allvl Chloride
Concen: 9.187 ppbv
RT: 4.42 min Scan# 508
Delta R.T. 0.02 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.0	20.5	30.7
39	91.8	67.8	101.8

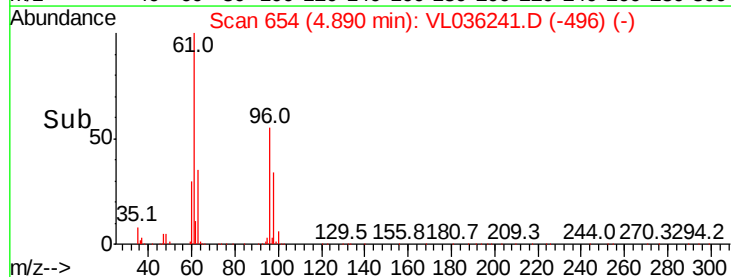
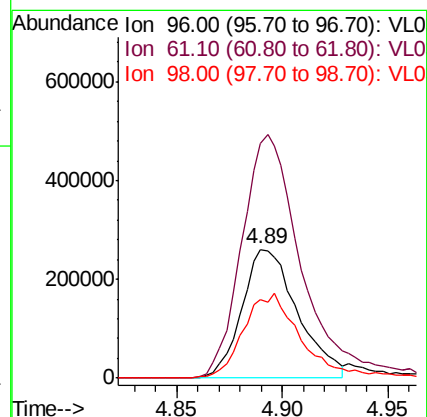
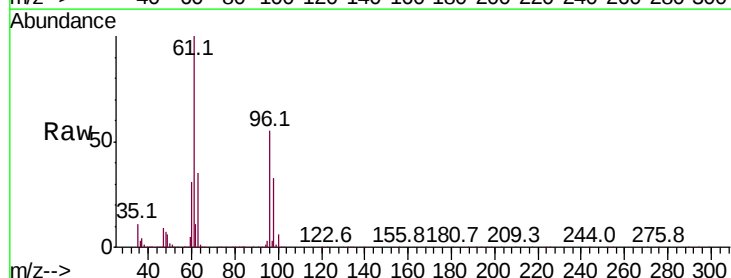
Manual Integrations
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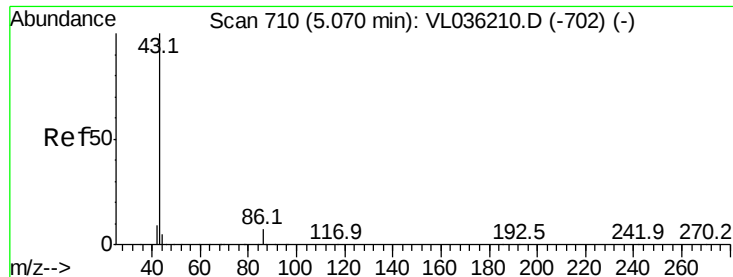
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 9.033 ppbv
RT: 4.89 min Scan# 654
Delta R.T. 0.01 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.6	142.7	214.1
98	60.1	48.7	73.1





#23

Vinyl Acetate

Concen: 8.914 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.01 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

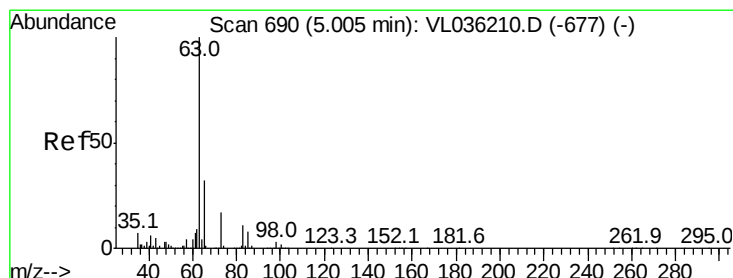
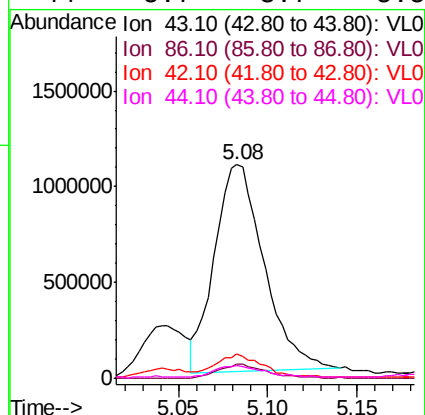
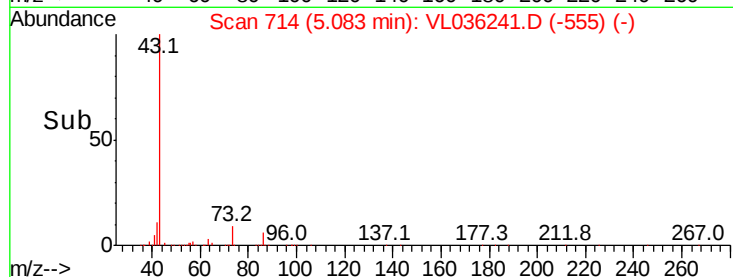
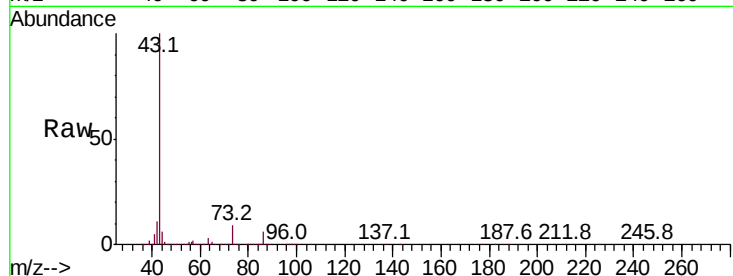
Tot Ion: 43 Resp: 2095236

Ion Ratio Lower Upper

43	100		
86	6.4	4.9	7.3
42	11.2	7.8	11.6
44	5.7	3.7	5.5

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#24

1,1-Dichloroethane

Concen: 9.542 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.02 min

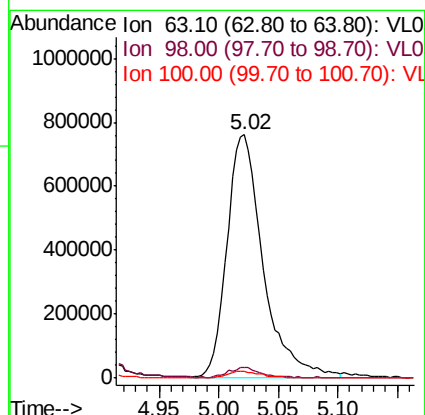
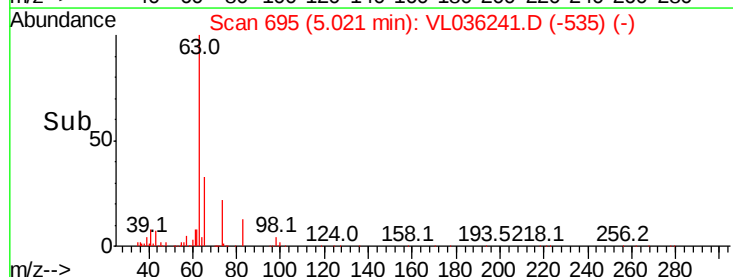
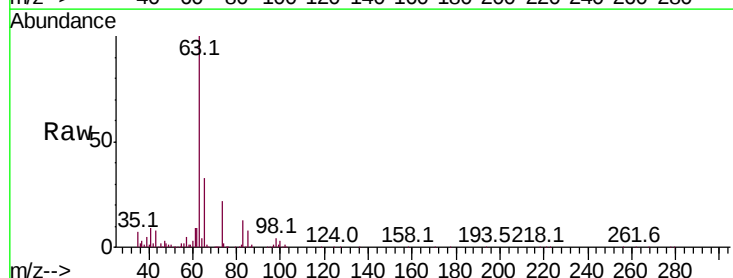
Lab File: VL036241.D

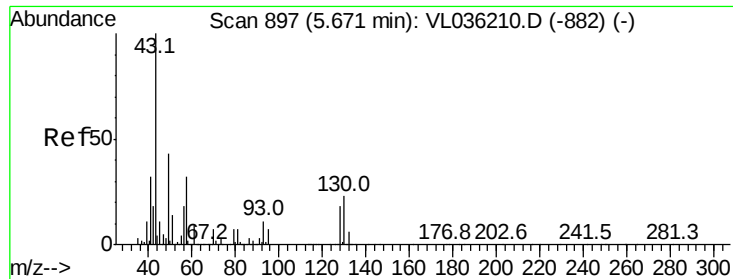
Acq: 14 Jan 2021 1:47

Tgt Ion: 63 Resp: 1592081

Ion Ratio Lower Upper

63	100		
98	4.2	1.7	5.1
100	2.6	1.1	3.1





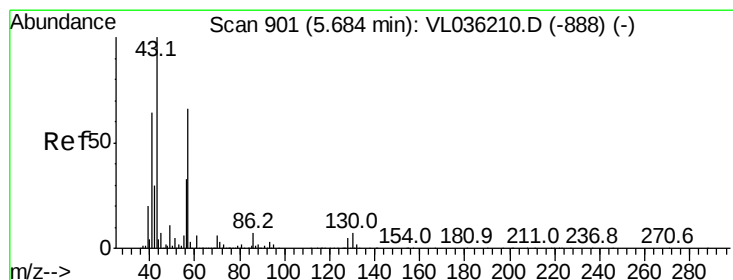
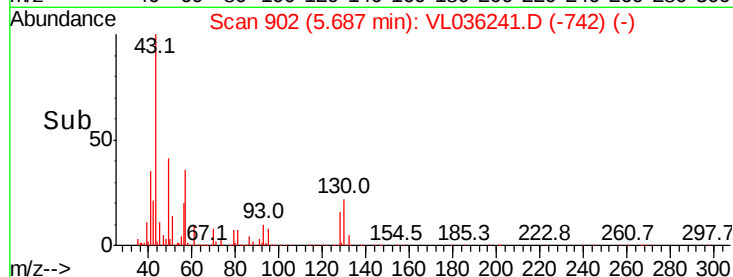
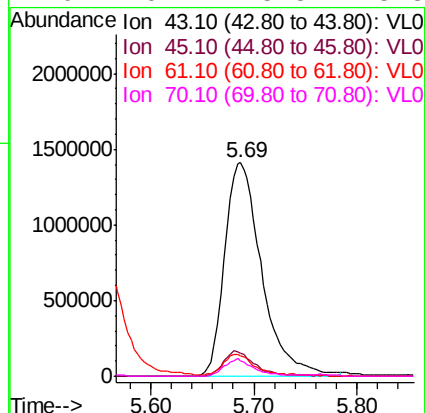
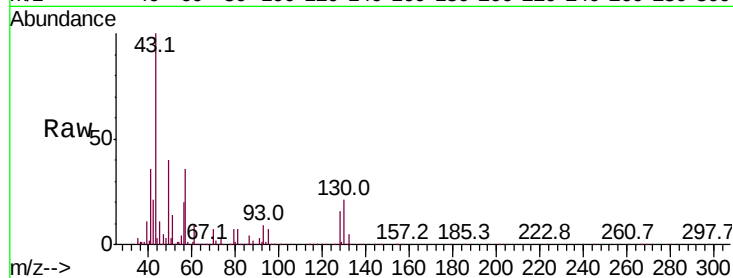
#25
Ethyl Acetate
Concen: 9.265 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.02 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.3	12.5
61	9.0	7.4	11.2
70	6.7	5.5	8.3

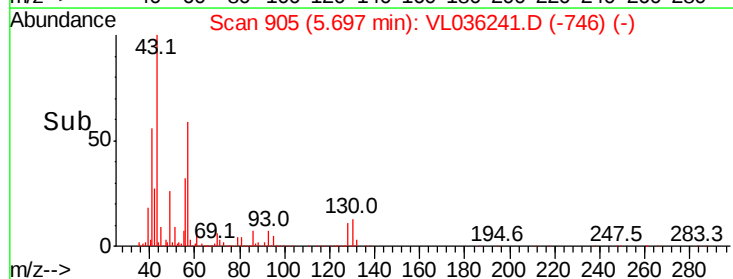
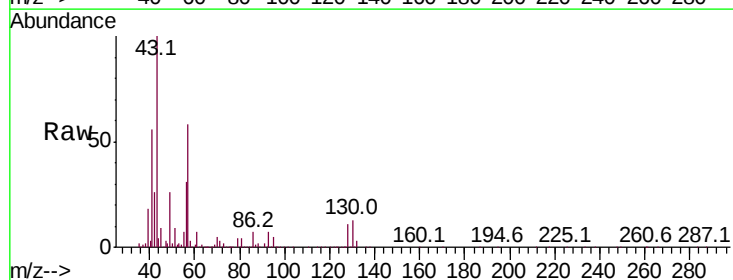
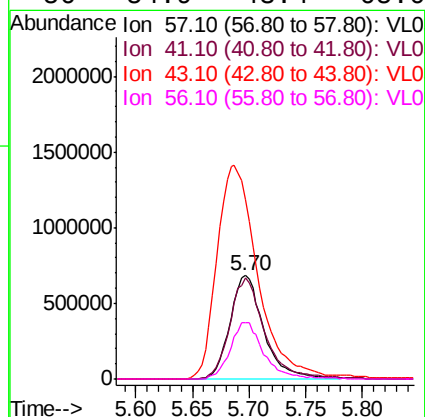
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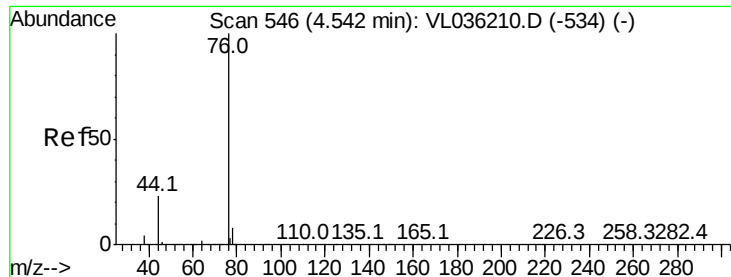
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#26
Hexane
Concen: 8.945 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Tgt Ion	Ratio	Lower	Upper
57	100		
41	101.8	83.0	124.6
43	252.6	202.4	303.6
56	54.9	43.4	65.0





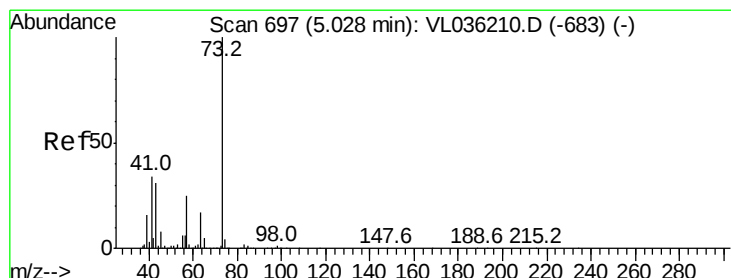
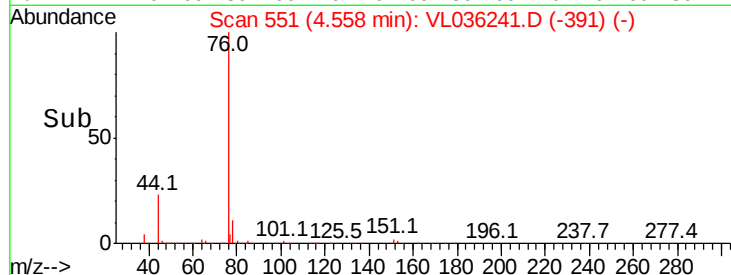
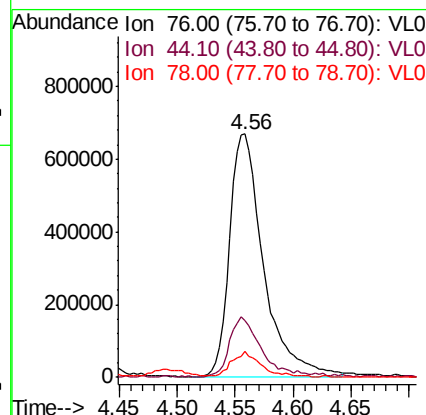
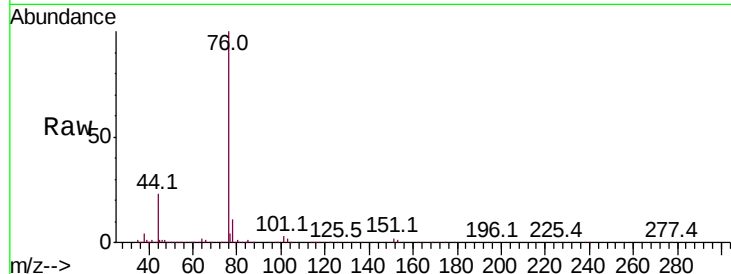
#27
Carbon Disulfide
Concen: 10.695 ppbv
RT: 4.56 min Scan# 551
Delta R.T. 0.02 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
76	100		
44	23.2	19.0	28.6
78	9.5	8.0	12.0

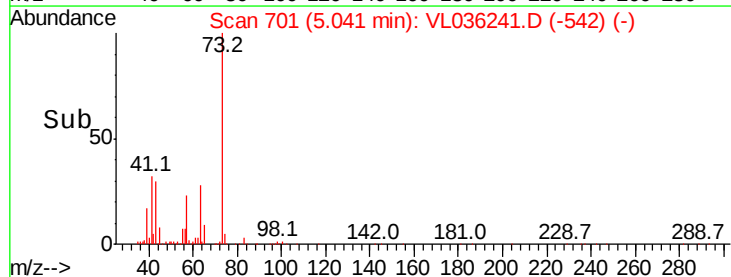
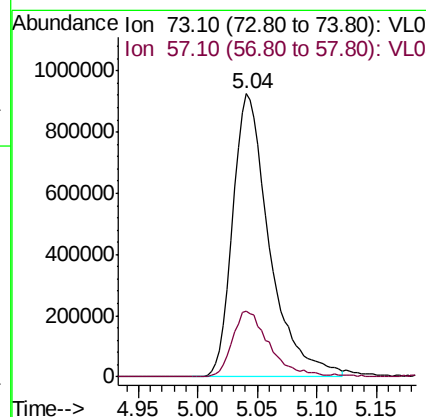
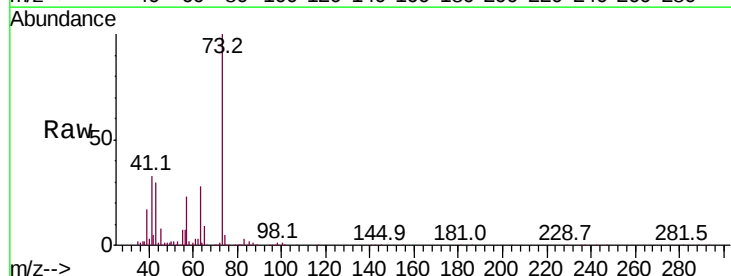
Manual Integrations
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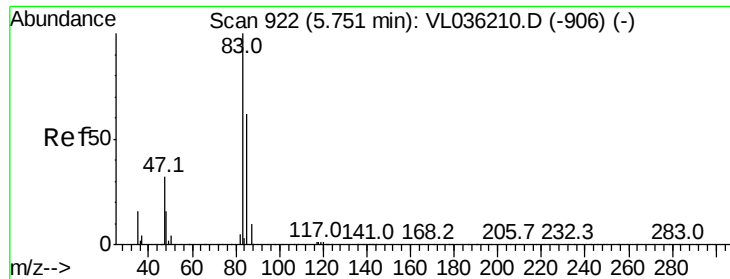
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#28
Methyl tert-Butyl Ether
Concen: 9.239 ppbv
RT: 5.04 min Scan# 701
Delta R.T. 0.01 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Tgt Ion	Ratio	Lower	Upper
73	100		
57	24.1	20.4	30.6





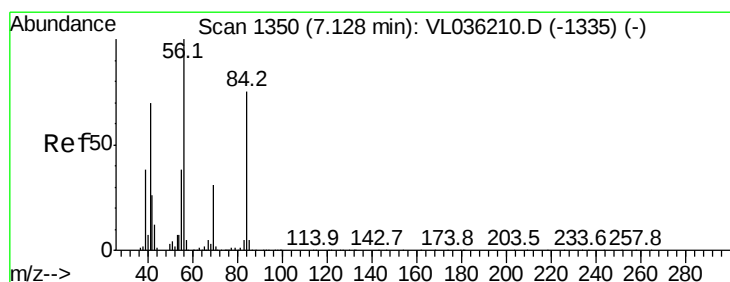
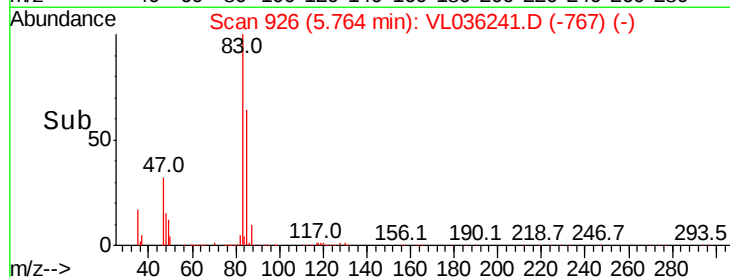
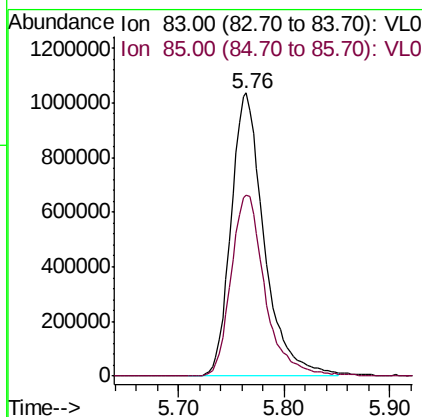
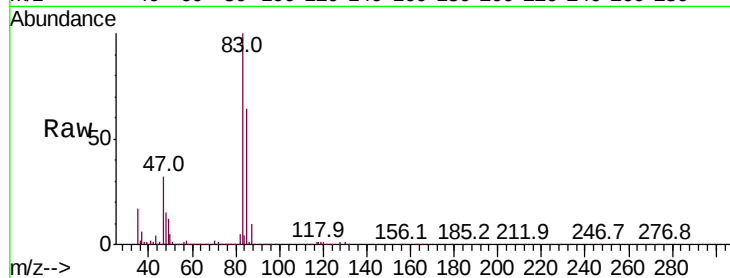
#29
Chloroform
Concen: 9.713 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.01 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2258132
Ion Ratio Lower Upper
83 100
85 63.6 49.3 73.9

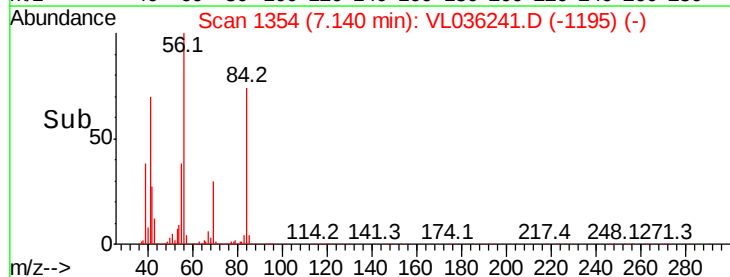
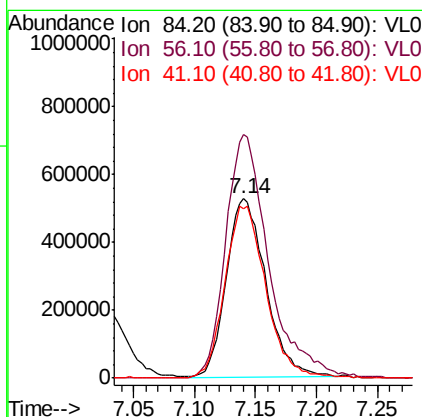
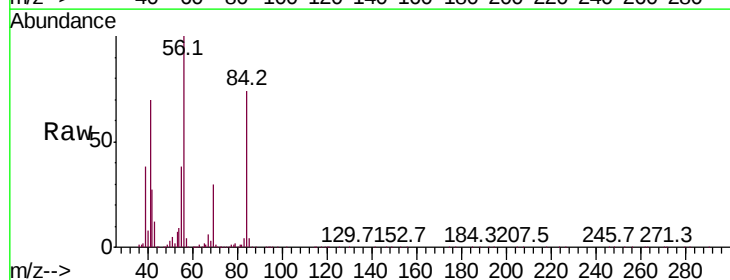
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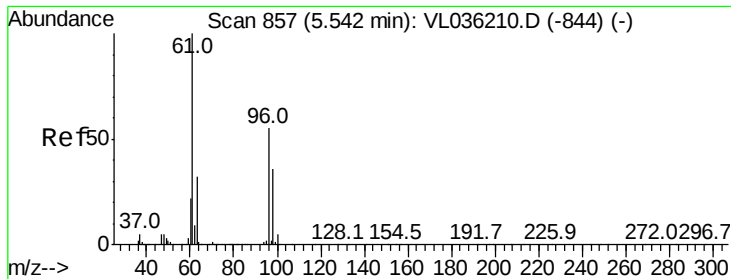
MMDadoda
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#30
Cyclohexane
Concen: 9.548 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.01 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Tgt Ion: 84 Resp: 1184254
Ion Ratio Lower Upper
84 100
56 150.4 119.4 179.0
41 100.3 79.4 119.0





#31

cis-1,2-Dichloroethene

Concen: 9.682 ppbv

RT: 5.56 min Scan# 862

Delta R.T. 0.02 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

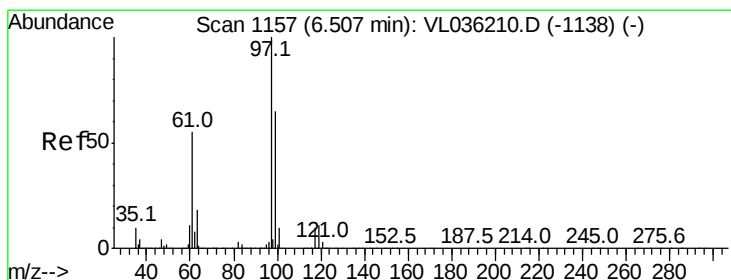
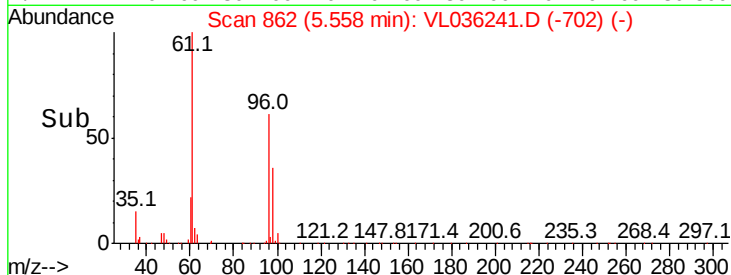
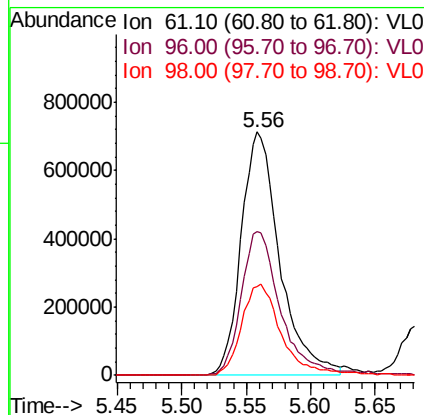
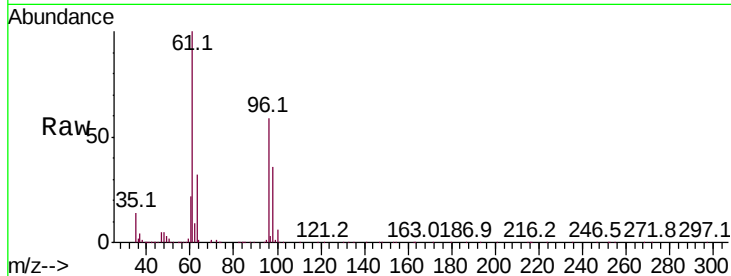
Instrument :
MSVOA_L

ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	58.8	44.1	66.1
98	36.2	28.6	42.8

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1/18/2021 3:50:03 PM



#32

1,1,1-Trichloroethane

Concen: 9.916 ppbv

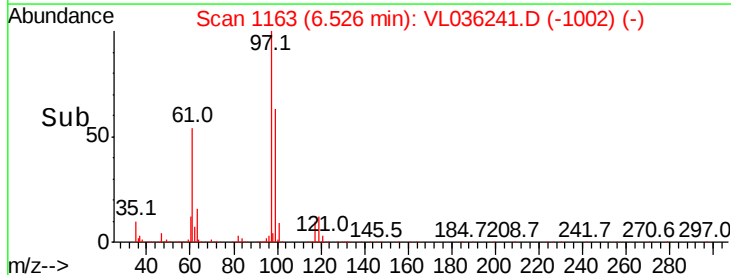
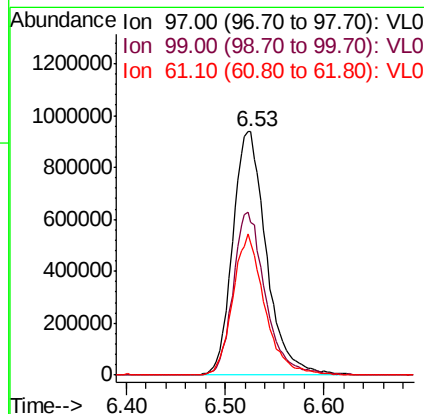
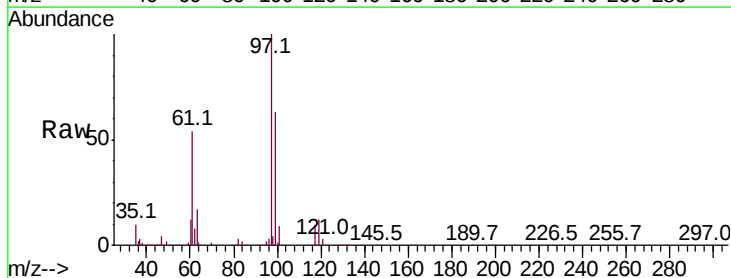
RT: 6.53 min Scan# 1163

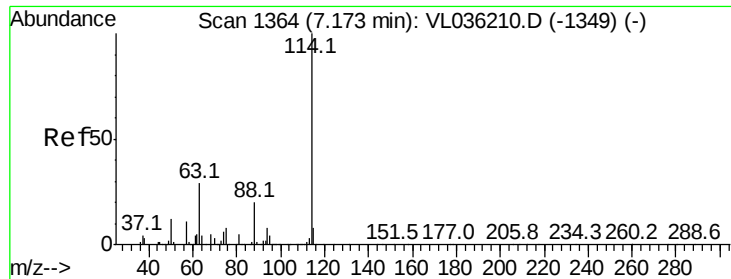
Delta R.T. 0.02 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.0	78.0
61	55.5	43.6	65.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. 0.02 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

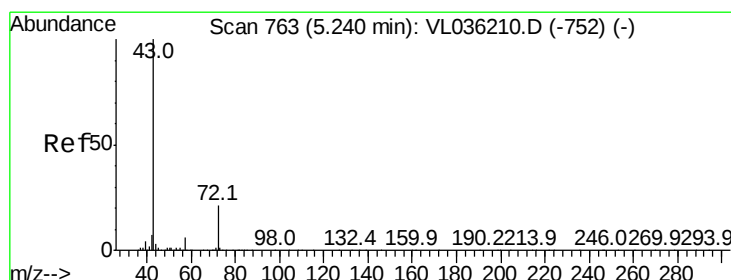
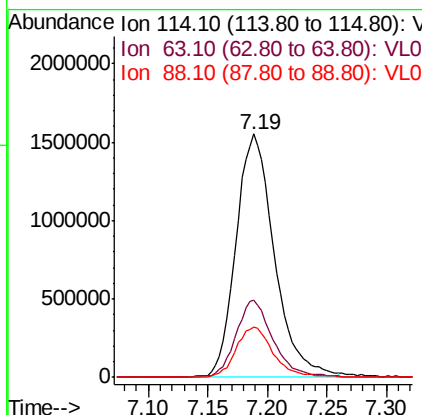
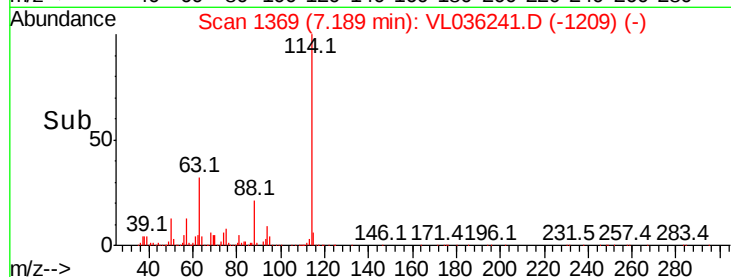
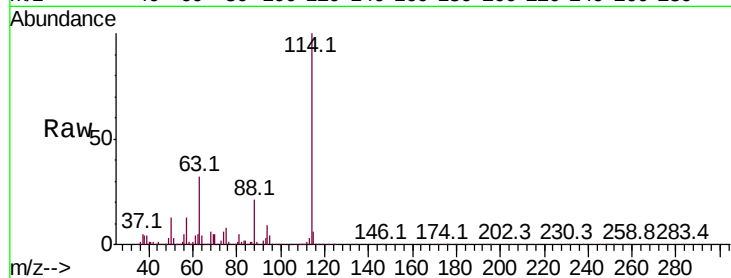
Instrument :
MSVOA_L

ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	31.1	24.7	37.1
88	20.3	16.6	24.8

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1/18/2021 3:50:03 PM



#34

2-Butanone

Concen: 10.041 ppbv

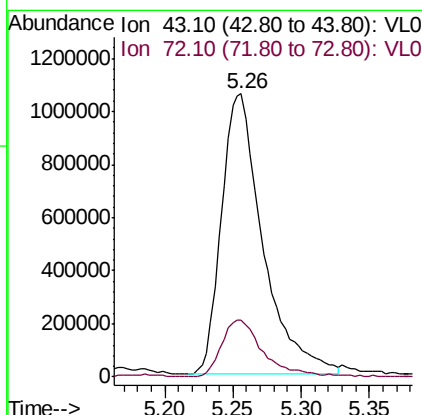
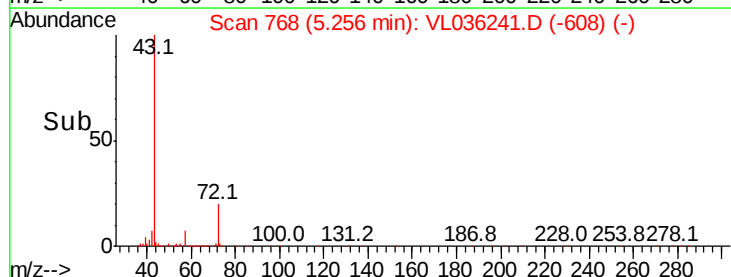
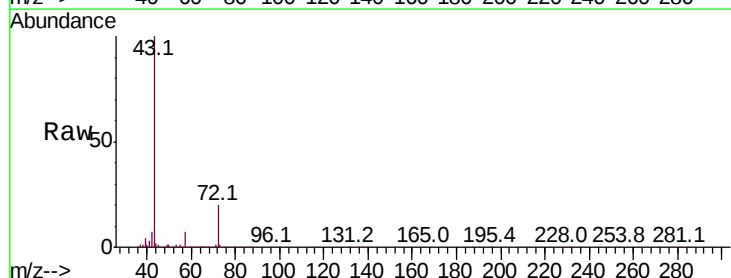
RT: 5.26 min Scan# 768

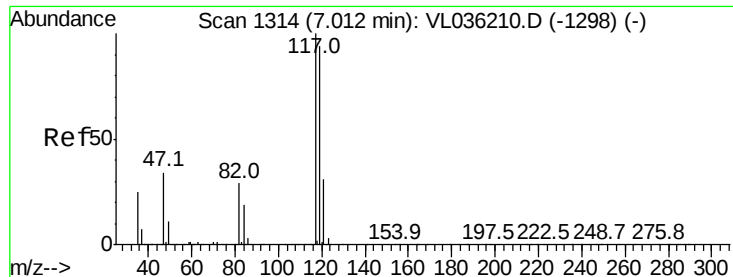
Delta R.T. 0.02 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.5	16.1	24.1





#35

Carbon Tetrachloride

Concen: 10.087 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. 0.02 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2210692

Ion Ratio Lower Upper

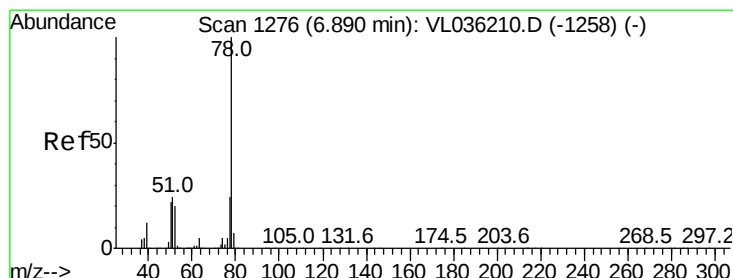
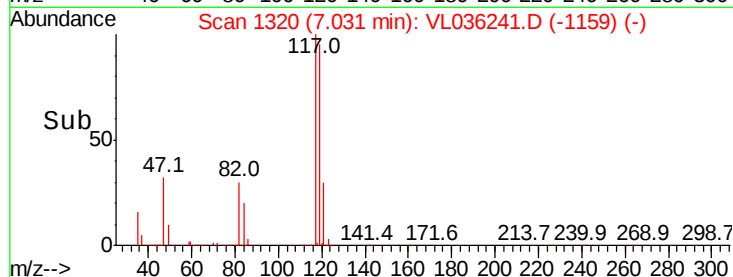
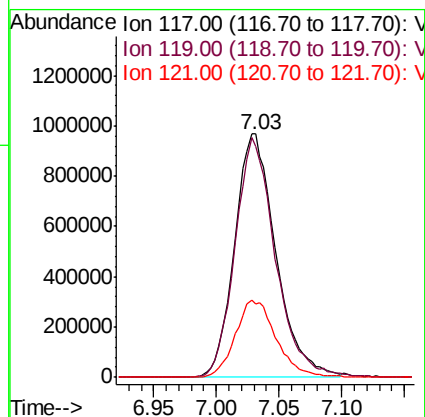
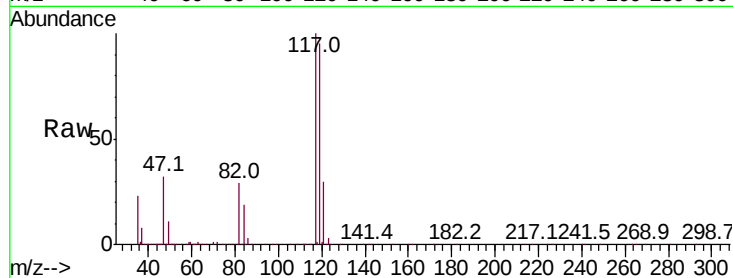
117 100

119 94.6 74.9 112.3

121 30.1 25.0 37.6

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1/18/2021 3:50:03 PM



#36

Benzene

Concen: 9.291 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.01 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

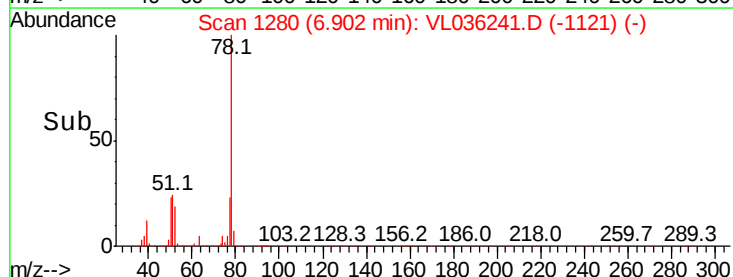
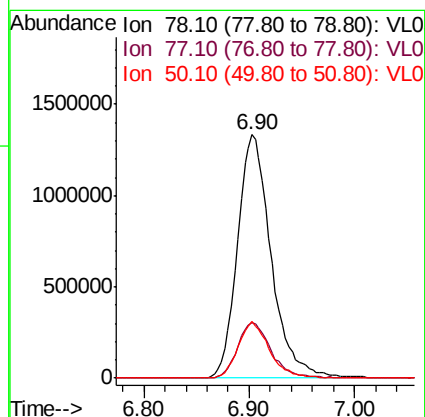
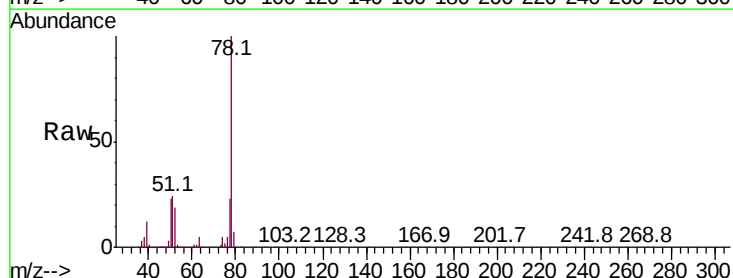
Tgt Ion: 78 Resp: 2953158

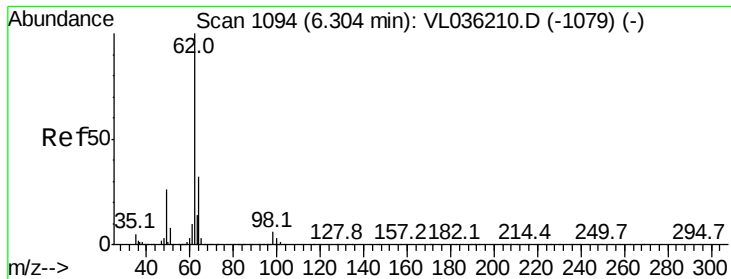
Ion Ratio Lower Upper

78 100

77 22.9 19.4 29.0

50 23.3 17.4 26.2





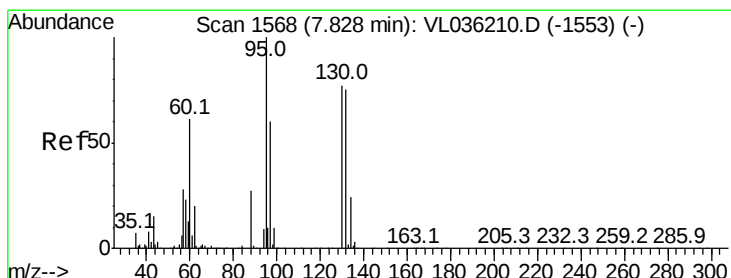
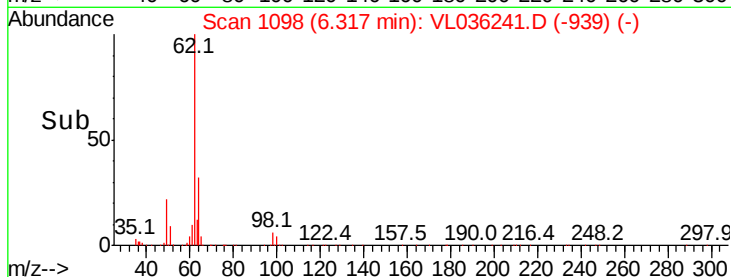
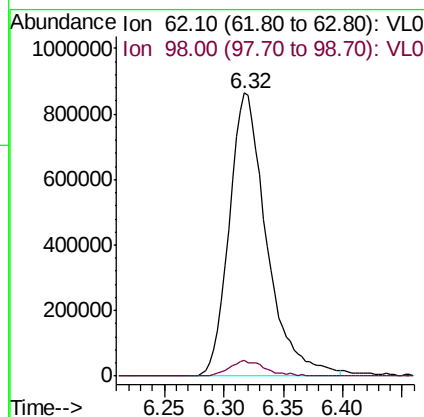
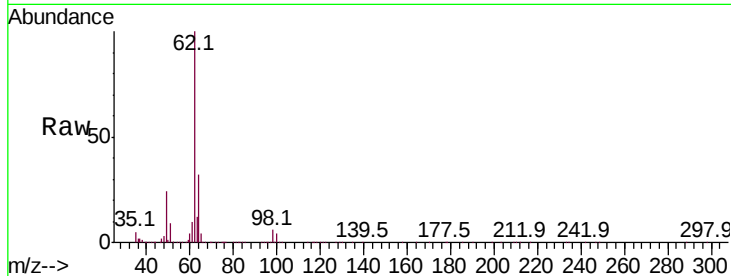
#37
 1,2-Dichloroethane
 Concen: 9.818 ppbv
 RT: 6.32 min Scan# 1098
 Delta R.T. 0.01 min
 Lab File: VL036241.D
 Acq: 14 Jan 2021 1:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1877770
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.4 6.6

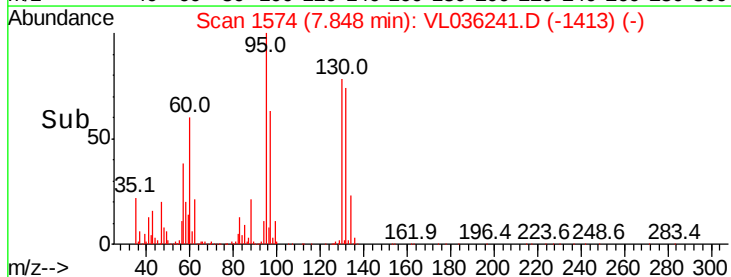
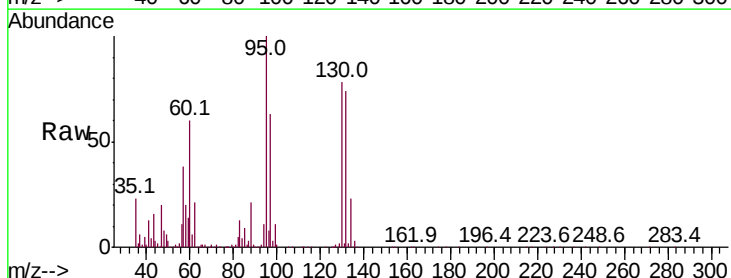
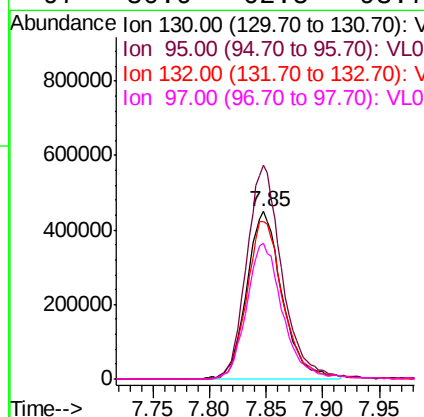
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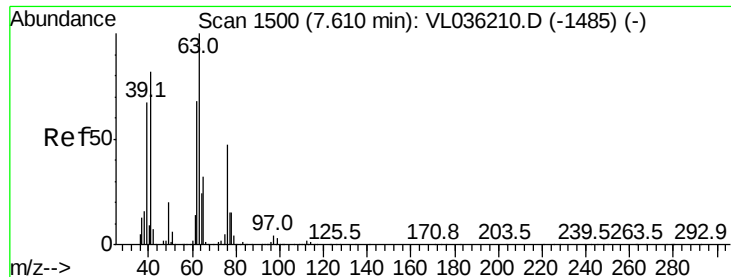
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 1/18/2021 3:50:03 PM



#38
 Trichloroethene
 Concen: 8.208 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.02 min
 Lab File: VL036241.D
 Acq: 14 Jan 2021 1:47

Tgt Ion: 130 Resp: 975566
 Ion Ratio Lower Upper
 130 100
 95 127.7 103.9 155.9
 132 93.8 77.4 116.2
 97 80.9 62.5 93.7





#39

1,2-Dichloropropane

Concen: 9.243 ppbv

RT: 7.63 min Scan# 1505

Delta R.T. 0.02 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 63 Resp: 1192757

Ion Ratio Lower Upper

63 100

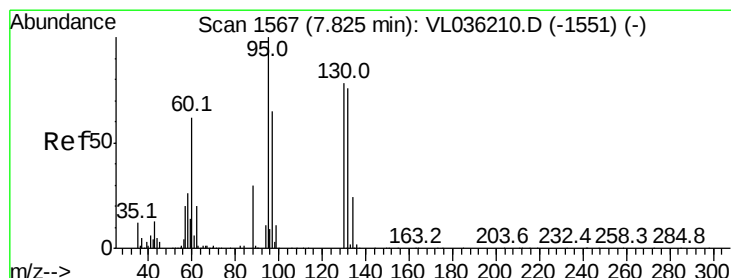
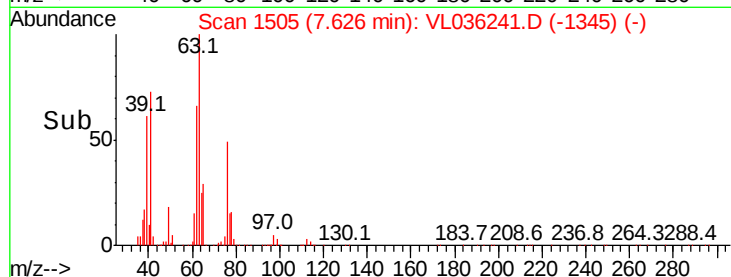
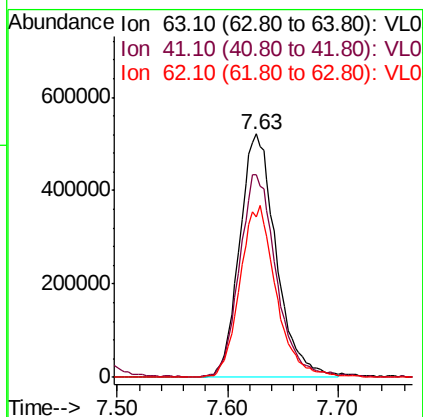
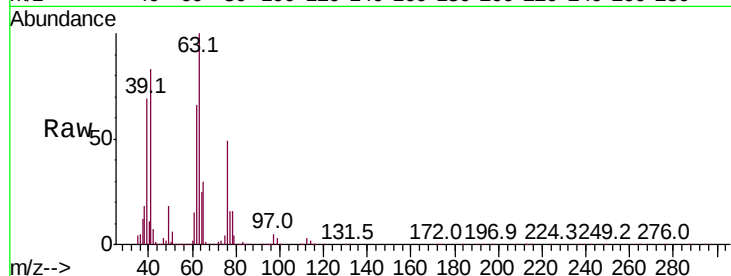
41 83.0 66.1 99.1

62 66.0 54.8 82.2

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1/18/2021 3:50:03 PM



#40

1,4-Dioxane

Concen: 8.379 ppbv m

RT: 7.84 min Scan# 1573

Delta R.T. 0.02 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

Tgt Ion: 88 Resp: 391160

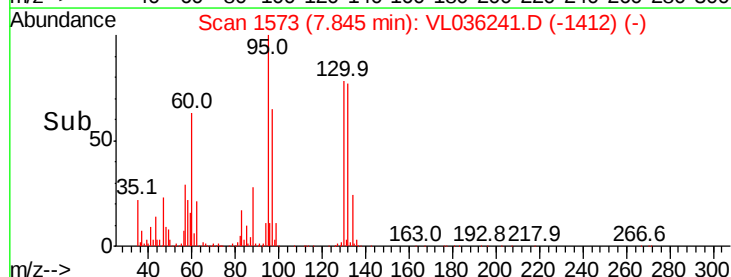
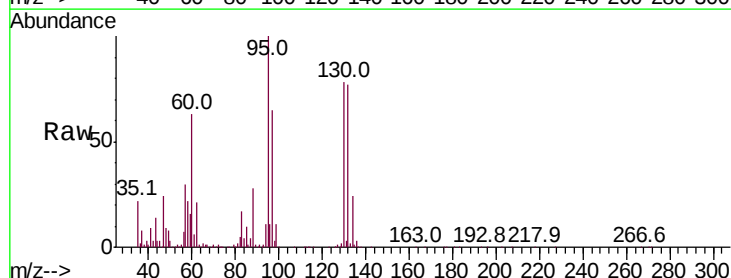
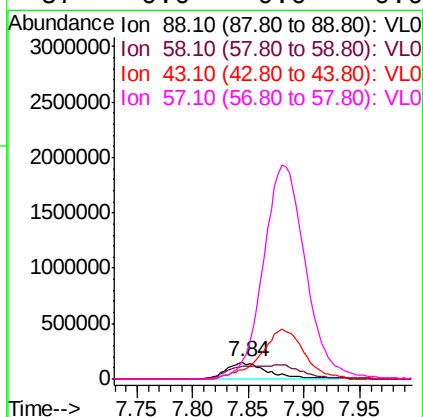
Ion Ratio Lower Upper

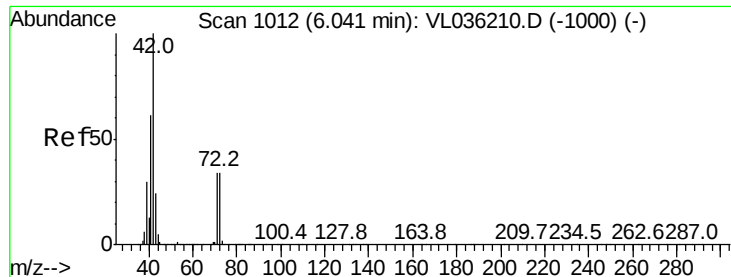
88 100

58 0.0 123.0 184.6#

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 10.131 ppbv

RT: 6.06 min Scan# 1017

Delta R.T. 0.02 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

Instrument :

MSVOA_L

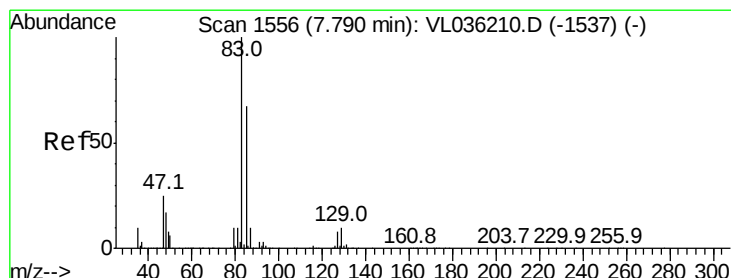
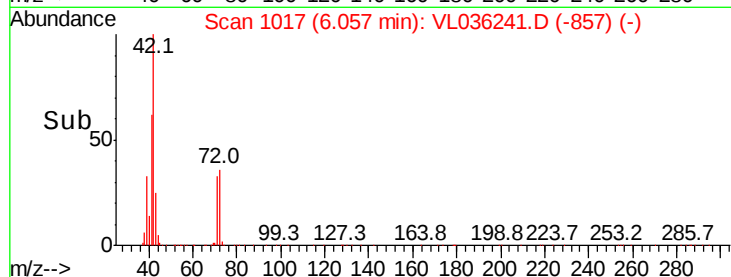
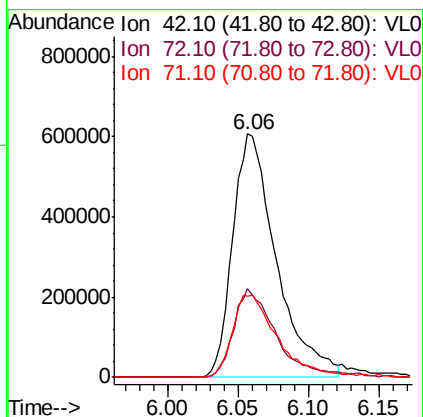
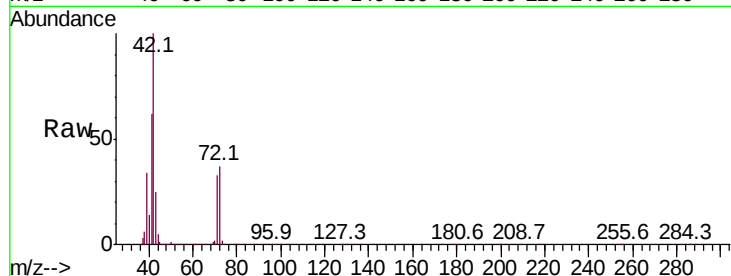
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	1316884
Ion	Ratio	Lower	Upper
42	100		
72	36.4	29.5	44.3
71	35.3	29.1	43.7

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#42

Bromodichloromethane

Concen: 10.136 ppbv

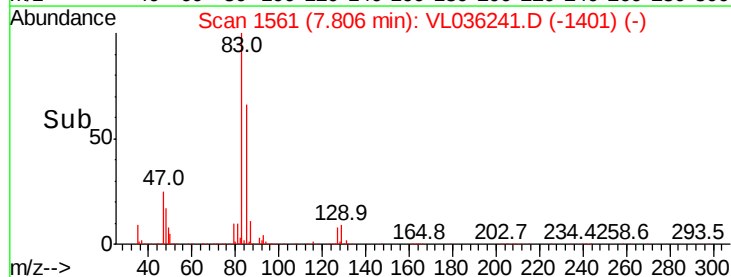
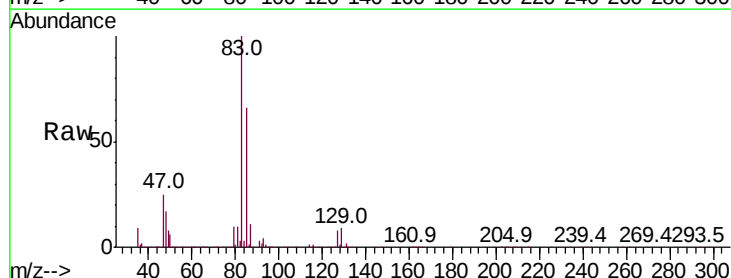
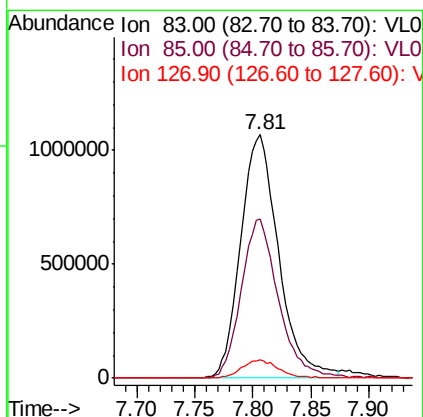
RT: 7.81 min Scan# 1561

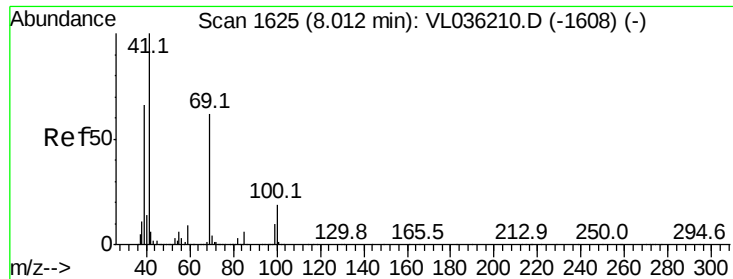
Delta R.T. 0.02 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

Tgt Ion:	83	Resp:	2436666
Ion	Ratio	Lower	Upper
83	100		
85	65.5	53.4	80.2
127	7.6	6.2	9.2





#43

Methyl Methacrylate

Concen: 10.058 ppbv

RT: 8.02 min Scan# 1629

Delta R.T. 0.01 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

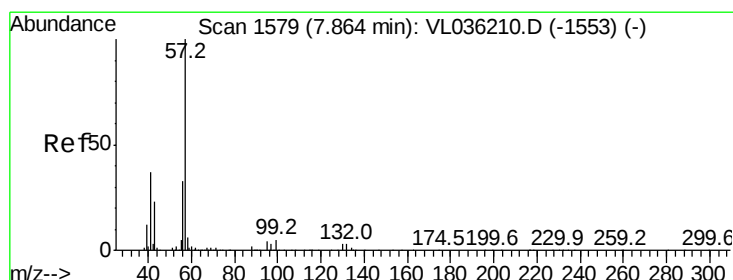
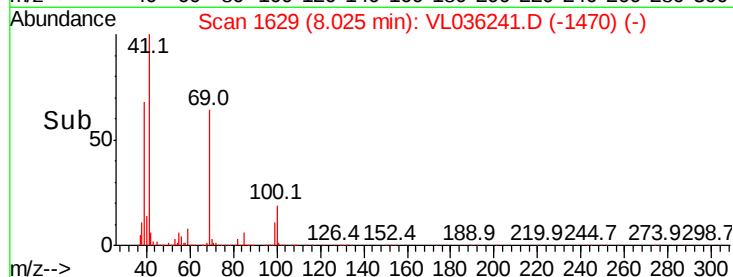
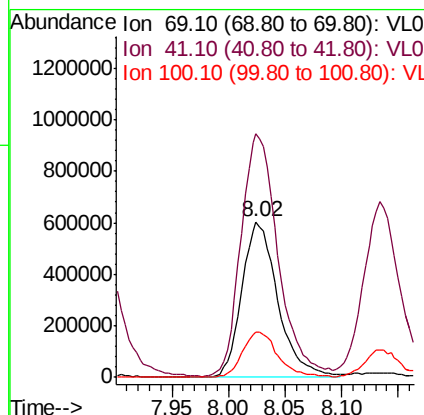
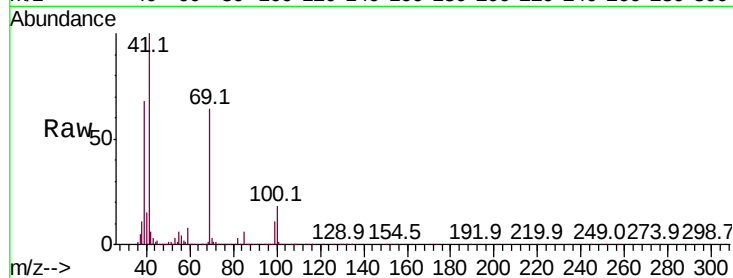
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1336155

Ion	Ratio	Lower	Upper
69	100		
41	161.5	133.4	200.2
100	28.9	24.3	36.5

Manual Integrations
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1/18/2021 3:50:03 PM



#44

2,2,4-Trimethylpentane

Concen: 8.737 ppbv

RT: 7.88 min Scan# 1584

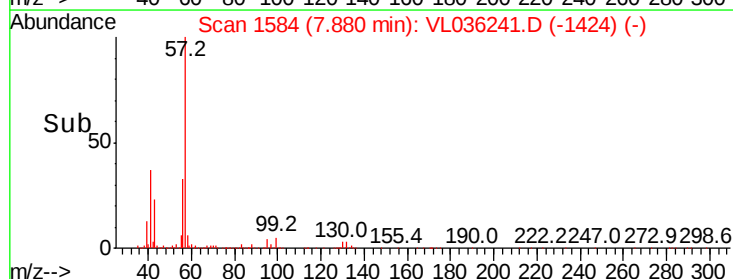
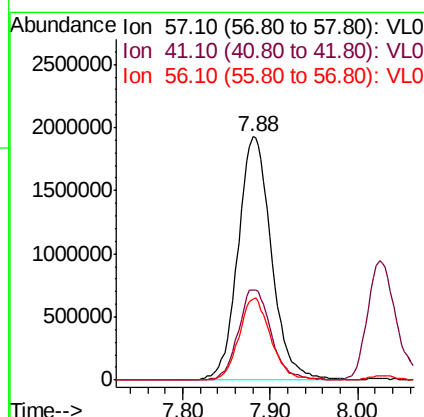
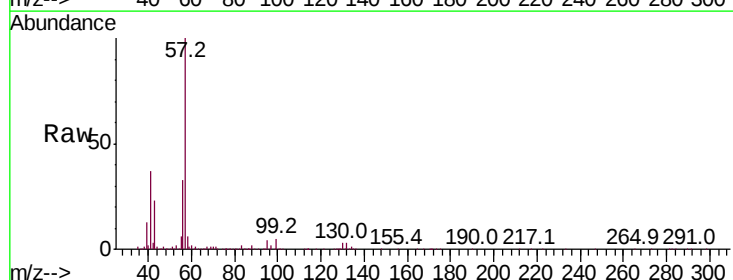
Delta R.T. 0.02 min

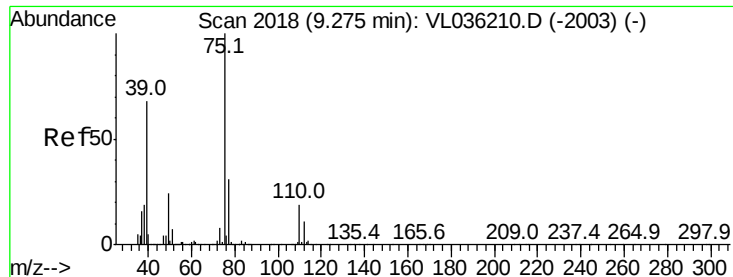
Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

Tgt Ion: 57 Resp: 5100528

Ion	Ratio	Lower	Upper
57	100		
41	36.4	28.5	42.7
56	32.1	25.5	38.3





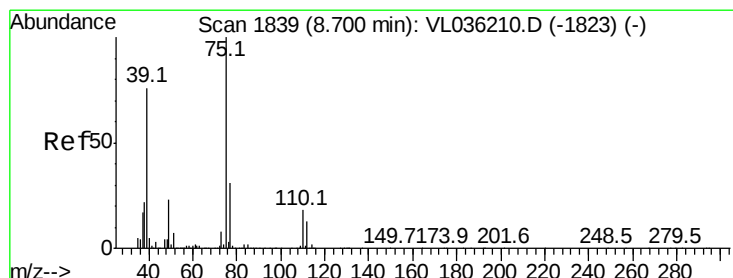
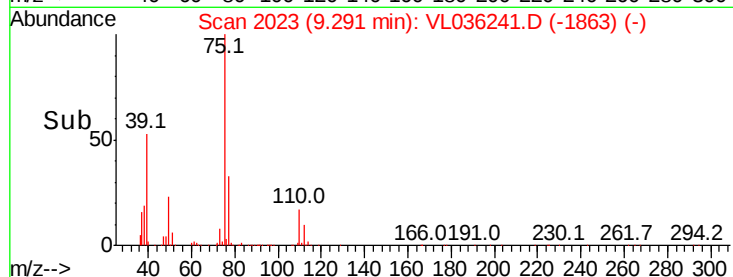
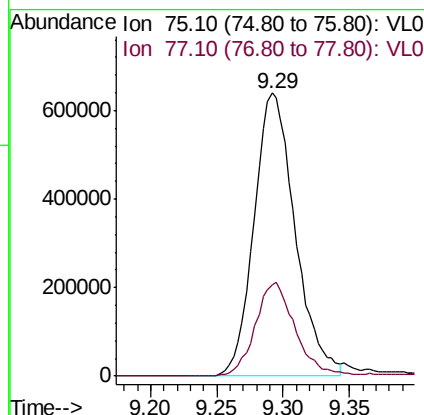
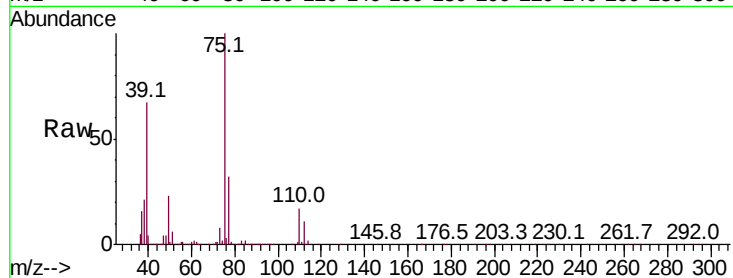
#45
t-1,3-Dichloropropene
Concen: 10.772 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. 0.02 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1382016
Ion Ratio Lower Upper
75 100
77 32.3 24.7 37.1

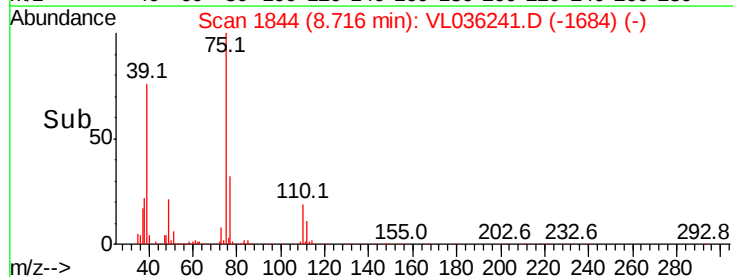
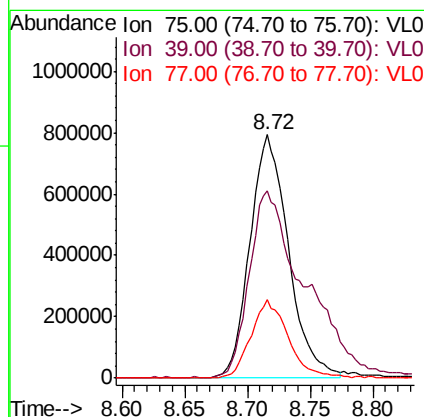
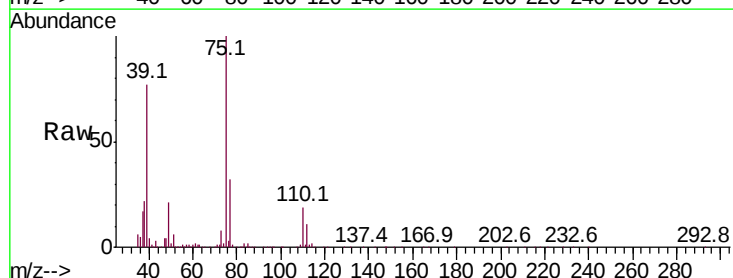
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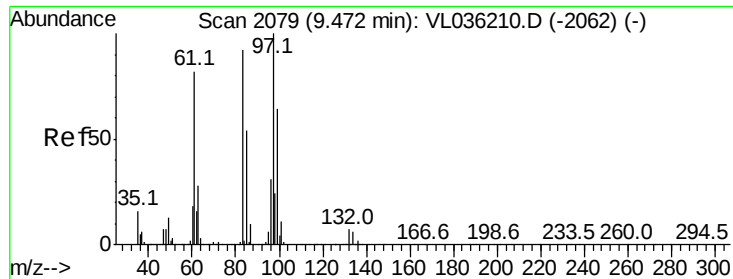
MMDadoda
1/18/2021 3:50:03 PM



#46
cis-1,3-Dichloropropene
Concen: 10.292 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. 0.02 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Tgt Ion: 75 Resp: 1696759
Ion Ratio Lower Upper
75 100
39 76.9 61.2 91.8
77 32.4 24.6 37.0





#47

1,1,2-Trichloroethane

Concen: 9.165 ppbv

RT: 9.49 min Scan# 2085

Delta R.T. 0.02 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

Instrument :
MSVOA_L

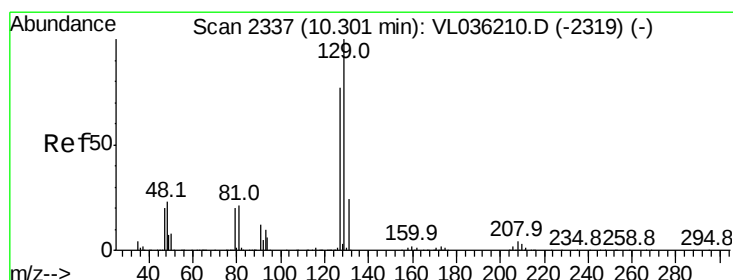
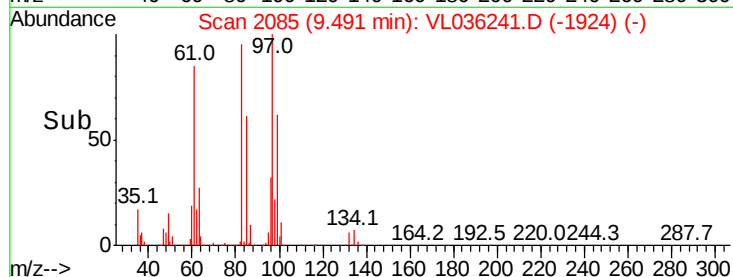
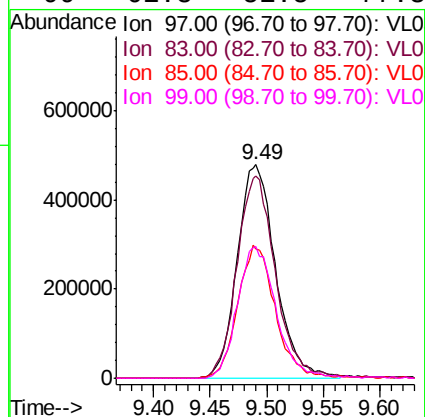
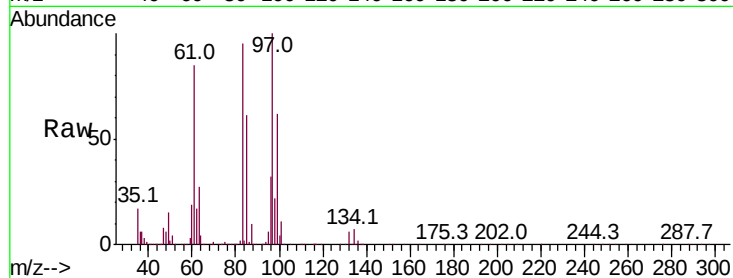
ClientSampleId :
VSTDCCC010EC

Tot Ion: 97 Resp: 1131462

Ion	Ratio	Lower	Upper
97	100		
83	94.7	73.3	109.9
85	60.5	43.2	64.8
99	61.8	51.5	77.3

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1/18/2021 3:50:03 PM



#48

Dibromochloromethane

Concen: 9.831 ppbv

RT: 10.32 min Scan# 2342

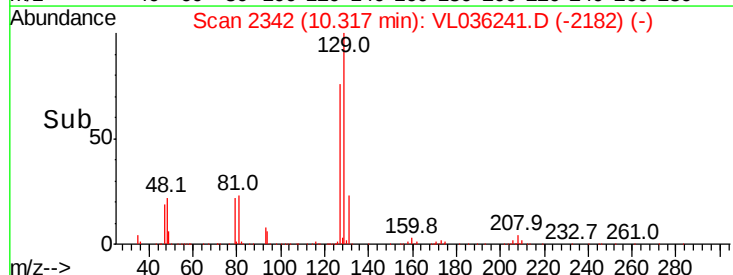
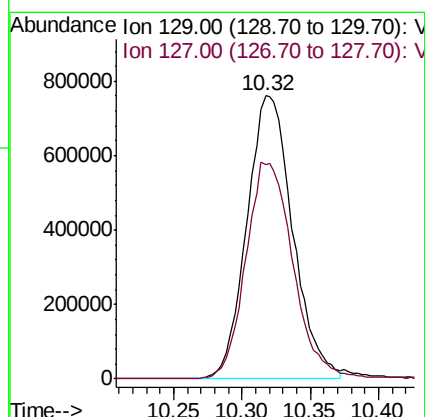
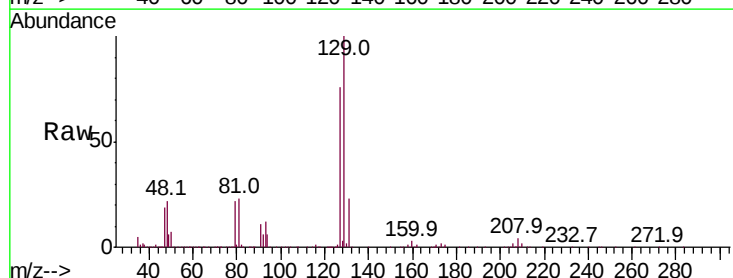
Delta R.T. 0.02 min

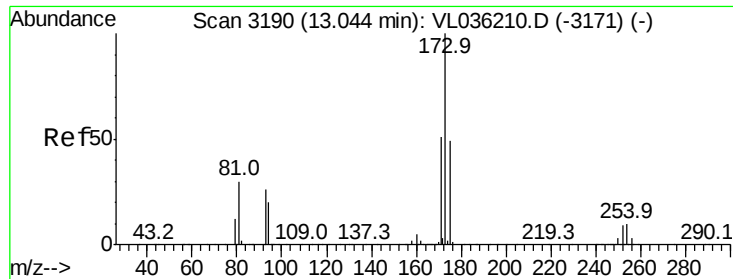
Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

Tgt Ion: 129 Resp: 1775641

Ion	Ratio	Lower	Upper
129	100		
127	79.3	39.6	118.8





#49

Bromoform

Concen: 9.077 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. 0.02 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1338610

Ion Ratio Lower Upper

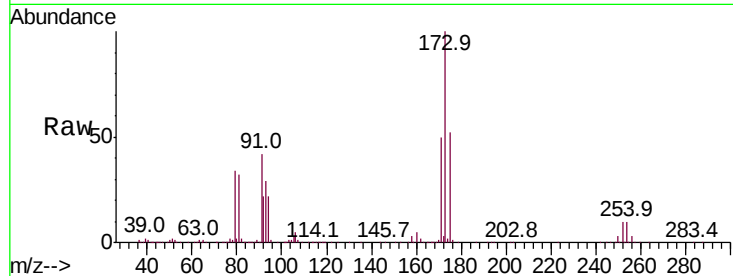
173 100

175 52.4 40.7 61.1

171 53.5 43.0 64.6

Manual Integrations
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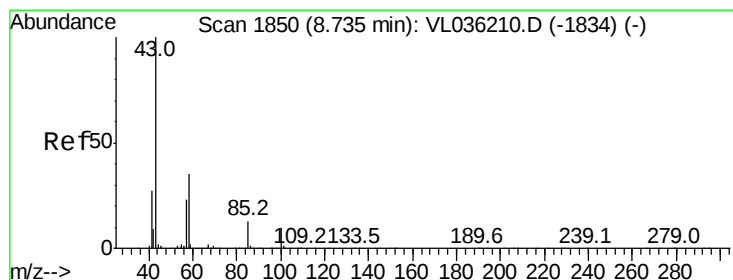
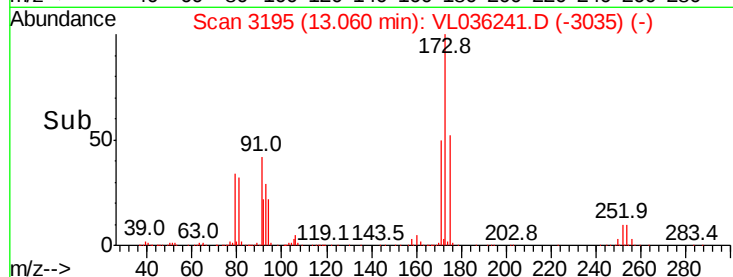
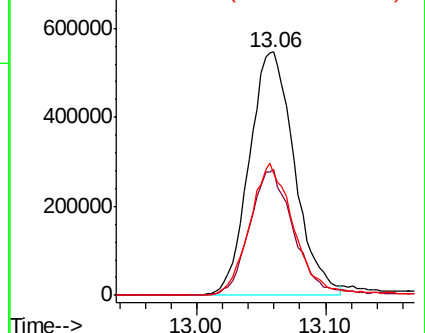
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.282 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.02 min

Lab File: VL036241.D

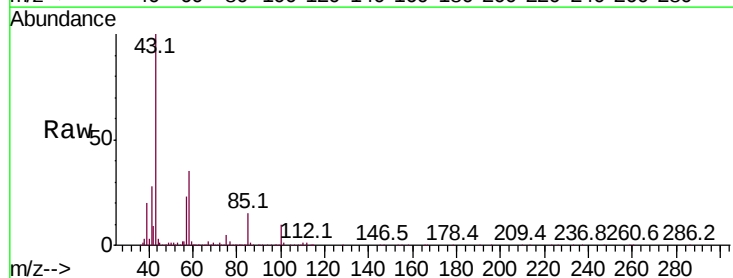
Acq: 14 Jan 2021 1:47

Tgt Ion: 43 Resp: 3440119

Ion Ratio Lower Upper

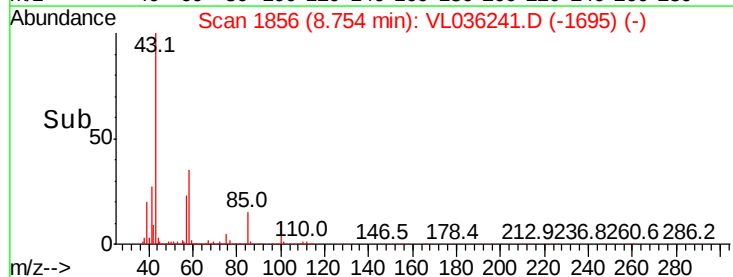
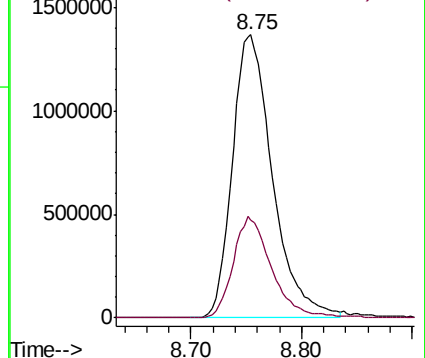
43 100

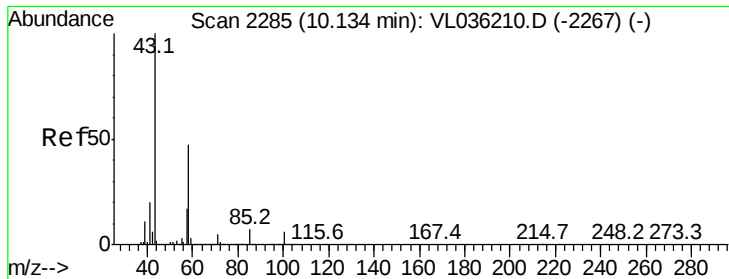
58 34.5 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





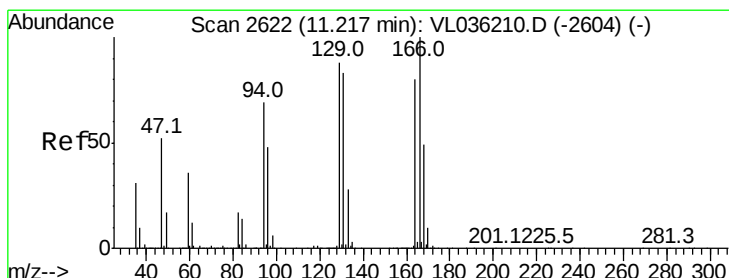
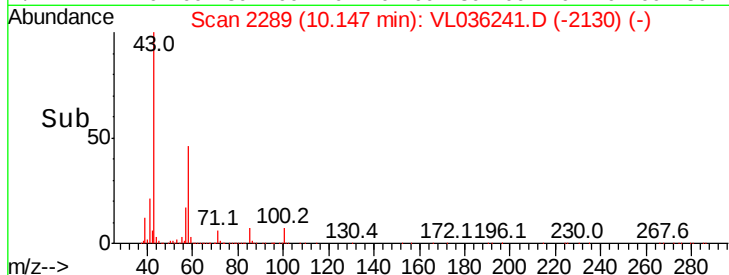
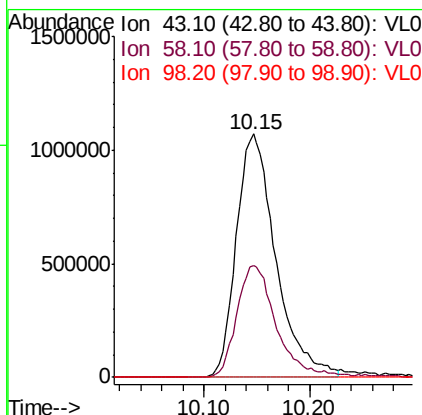
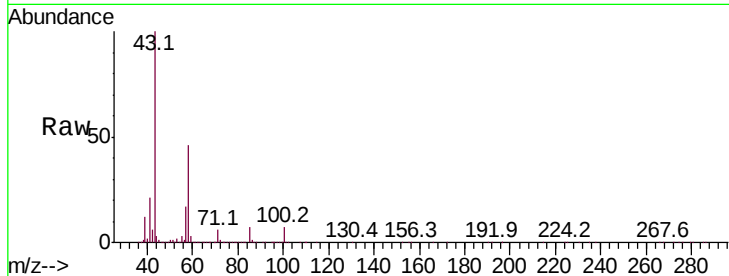
#51
2-Hexanone
Concen: 9.643 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.01 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 2786952
Ion Ratio Lower Upper
43 100
58 47.0 37.4 56.0
98 0.3 0.2 0.2#

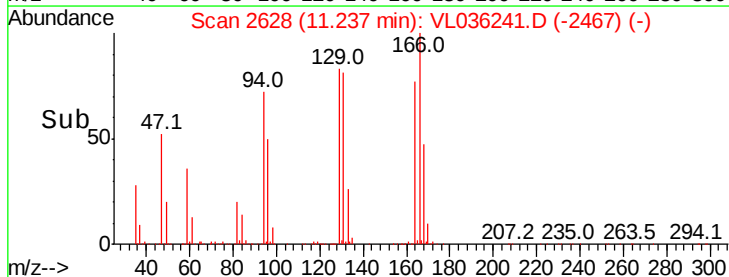
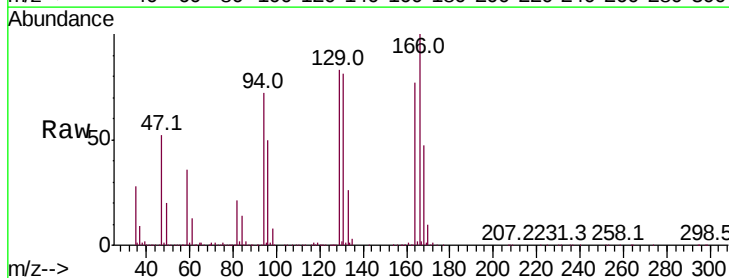
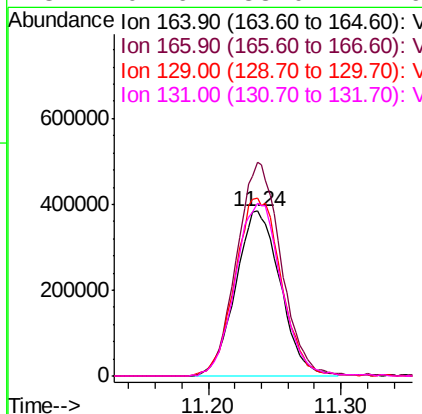
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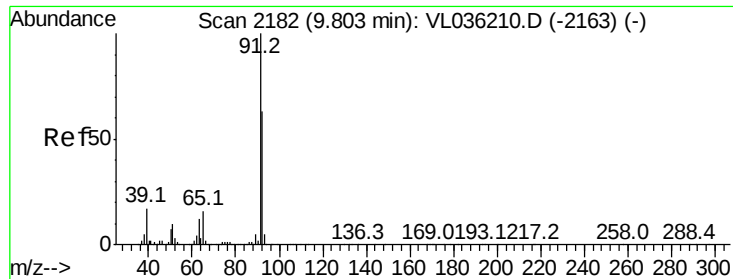
MMDadoda
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#52
Tetrachloroethene
Concen: 7.617 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. 0.02 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Tgt Ion: 164 Resp: 892179
Ion Ratio Lower Upper
164 100
166 129.7 99.9 149.9
129 108.0 88.2 132.4
131 104.6 83.0 124.6





#53

Toluene

Concen: 9.116 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.02 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3207191

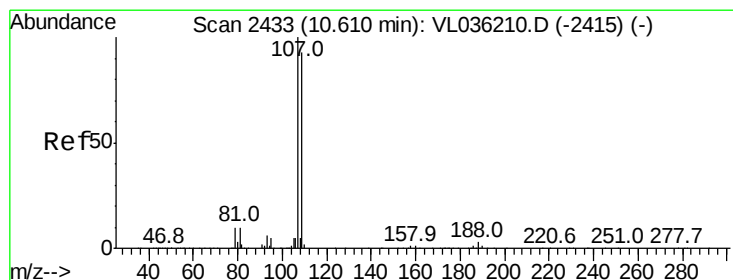
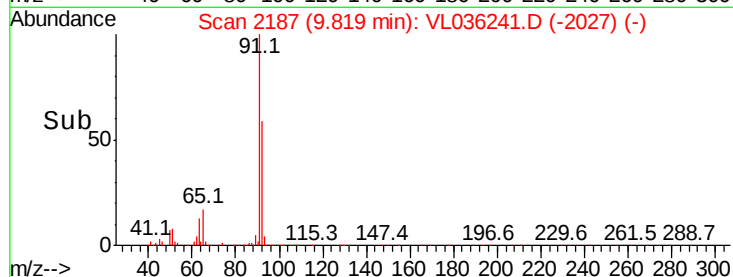
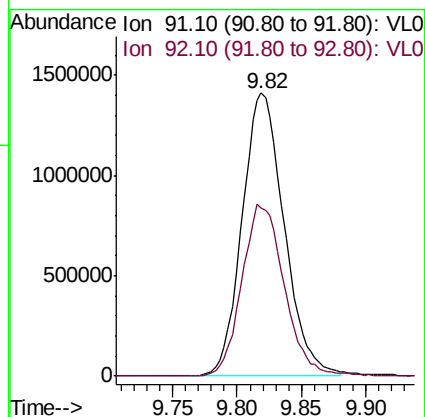
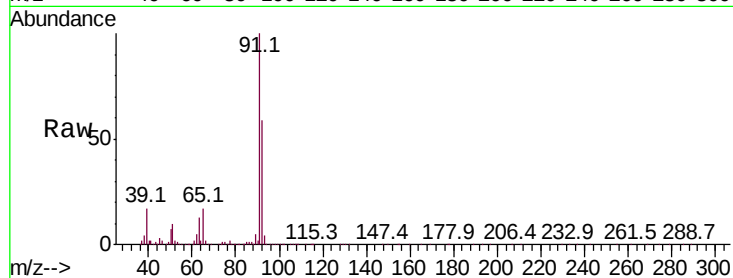
Ion Ratio Lower Upper

91 100

92 61.6 48.5 72.7

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#54

1,2-Dibromoethane

Concen: 9.129 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. 0.02 min

Lab File: VL036241.D

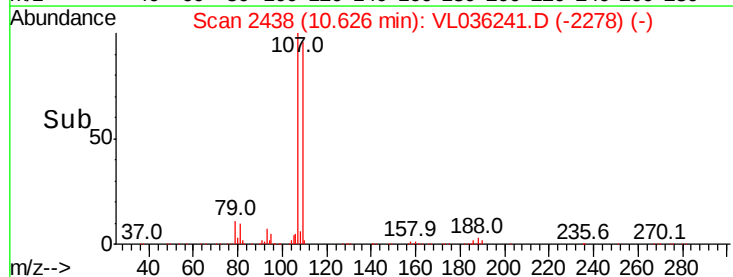
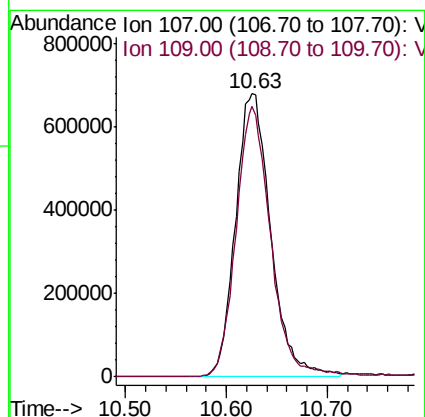
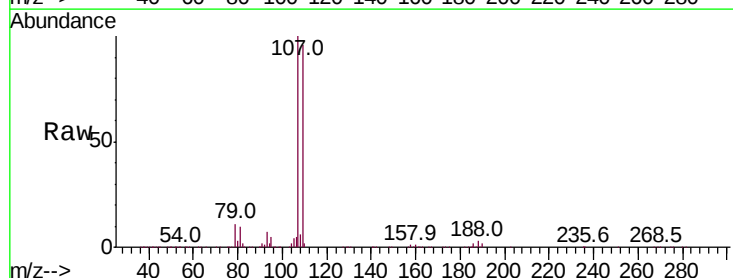
Acq: 14 Jan 2021 1:47

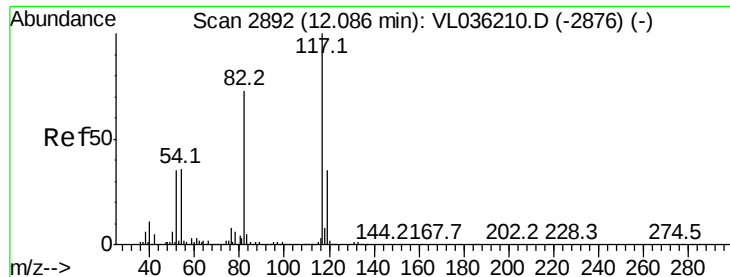
Tgt Ion: 107 Resp: 1651872

Ion Ratio Lower Upper

107 100

109 95.7 74.5 111.7





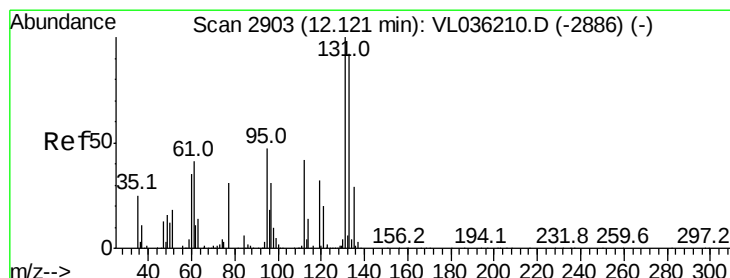
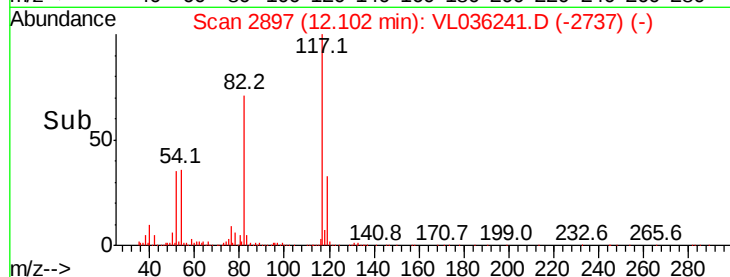
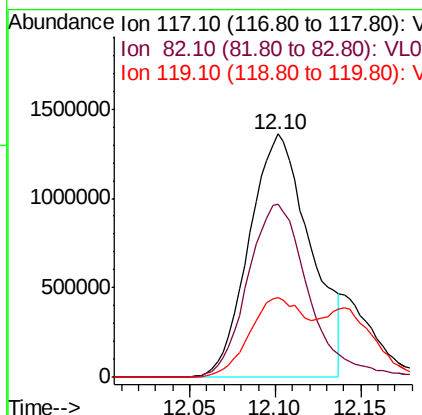
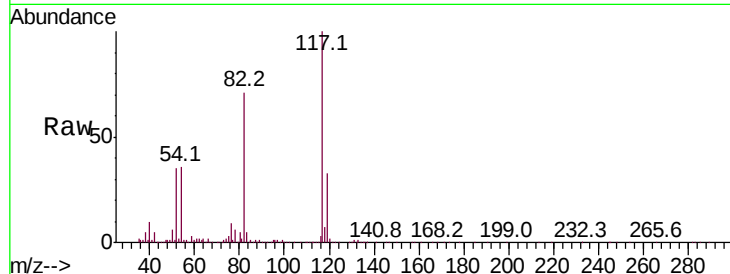
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2897
Delta R.T. 0.02 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	71.6	59.7	89.5
119	30.9	28.6	43.0

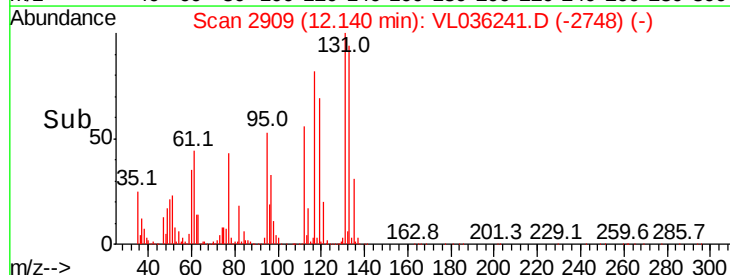
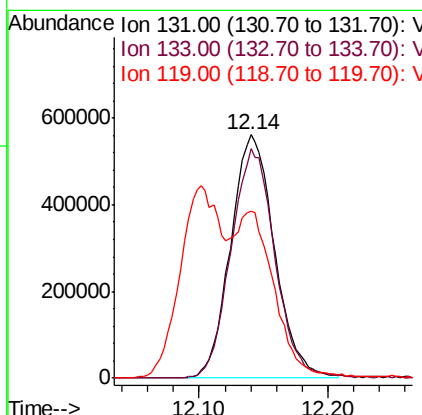
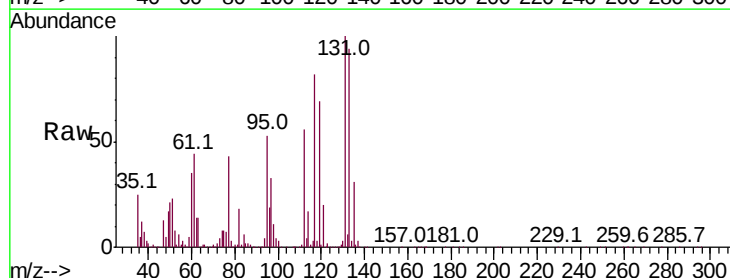
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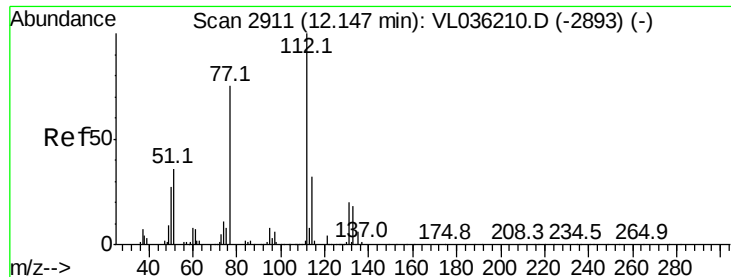
MMDadoda
1/18/2021 3:50:03 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 8.675 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. 0.02 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	76.5	114.7
119	57.4	45.4	68.0





#57

Chlorobenzene

Concen: 8.138 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. 0.02 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 2161778

Ion Ratio Lower Upper

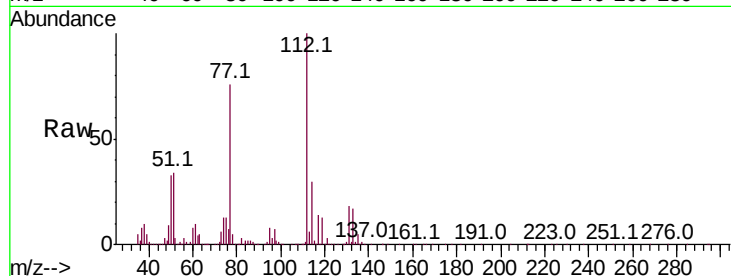
112 100

77 73.6 59.6 89.4

114 29.5 28.7 35.1

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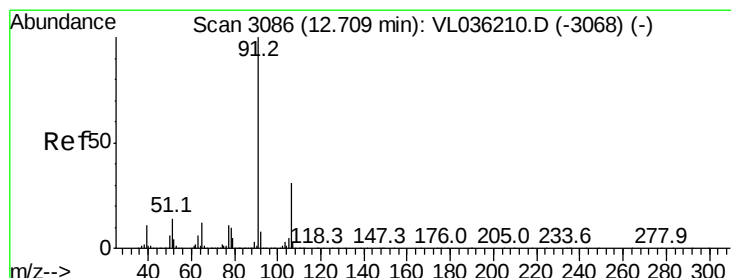
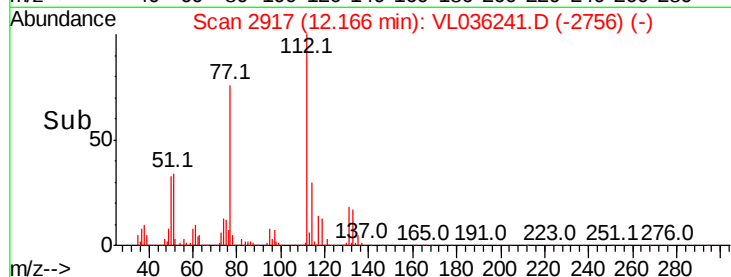
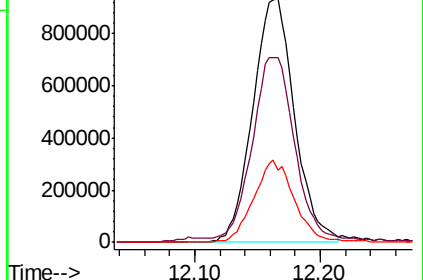
MMDadoda
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.477 ppbv

RT: 12.73 min Scan# 3091

Delta R.T. 0.02 min

Lab File: VL036241.D

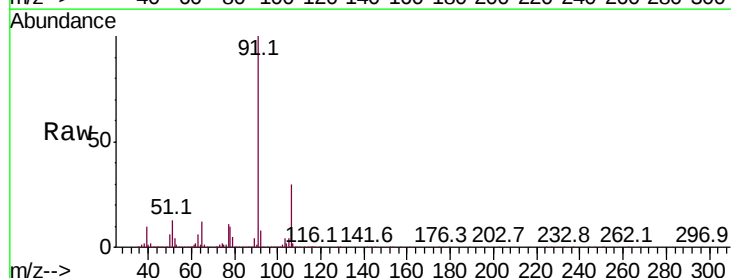
Acq: 14 Jan 2021 1:47

Tgt Ion: 91 Resp: 4258834

Ion Ratio Lower Upper

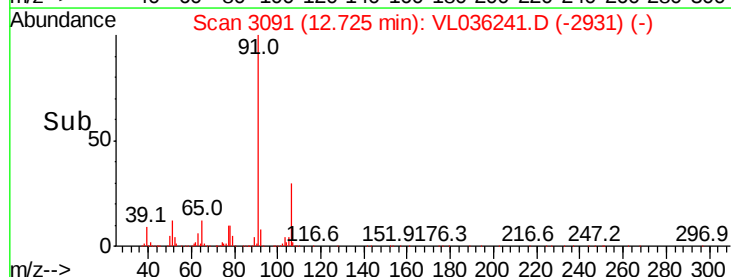
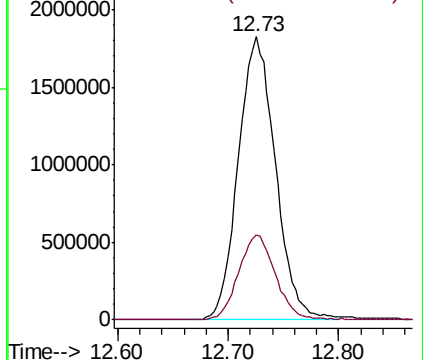
91 100

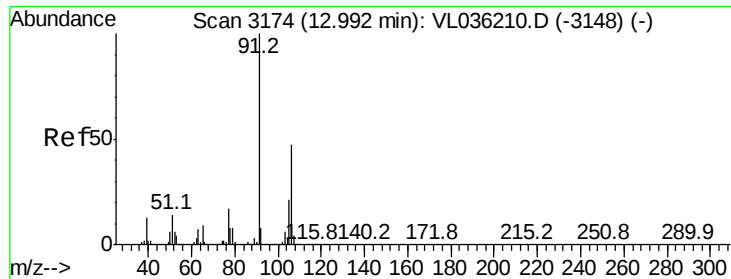
106 30.0 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





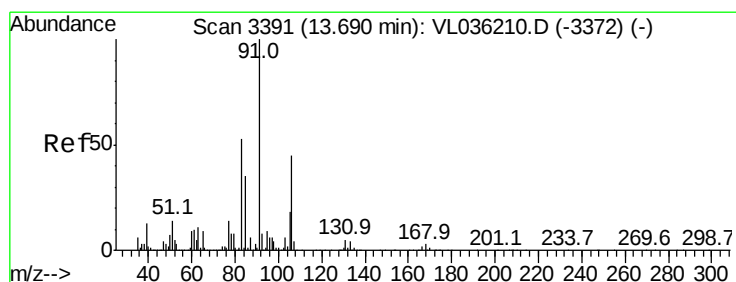
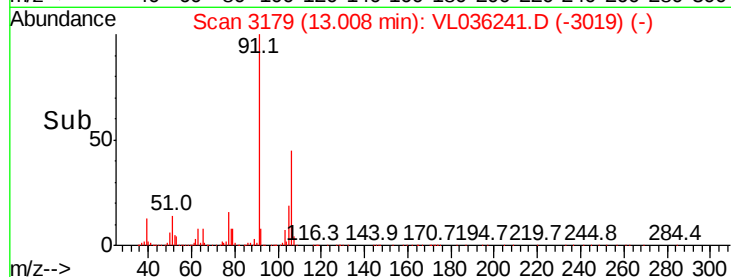
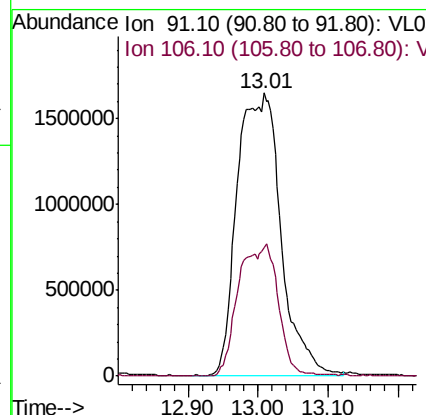
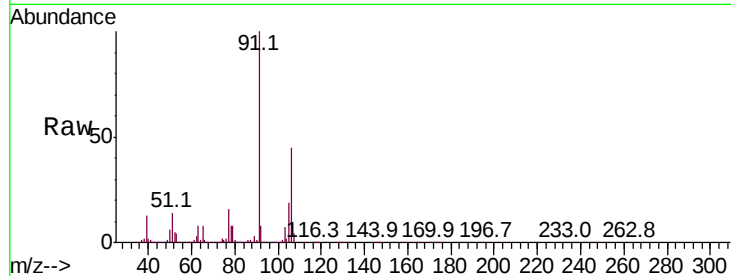
#59
m/p-Xylene
Concen: 16.608 ppbv m
RT: 13.01 min Scan# 3179
Delta R.T. 0.02 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 7169589
Ion Ratio Lower Upper
91 100
106 42.4 34.6 51.8

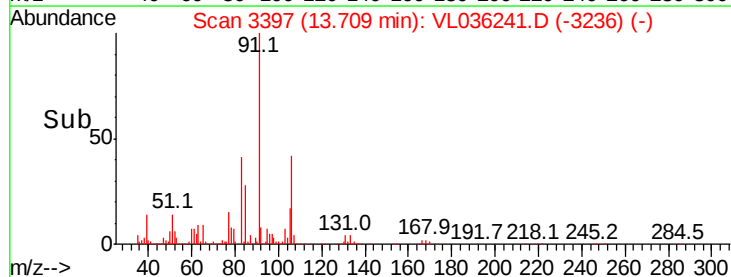
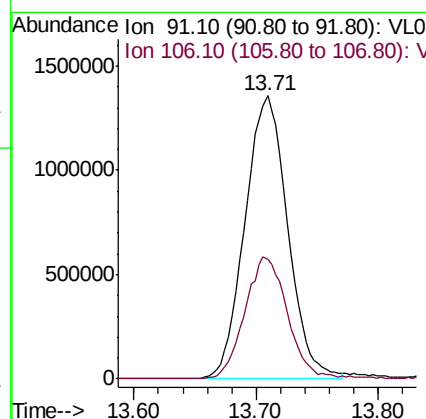
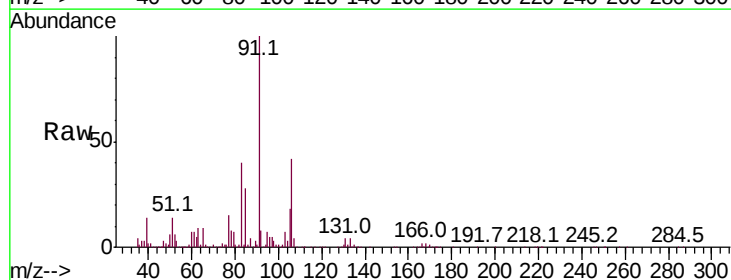
Manual Integrations
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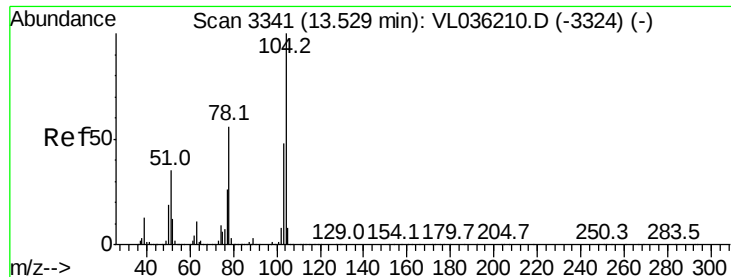
MMDadoda
1/18/2021 3:50:03 PM



#60
o-Xylene
Concen: 7.879 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. 0.02 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Tgt Ion: 91 Resp: 3278722
Ion Ratio Lower Upper
91 100
106 43.2 21.9 65.8





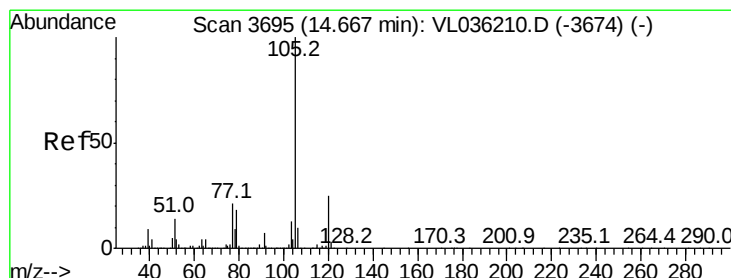
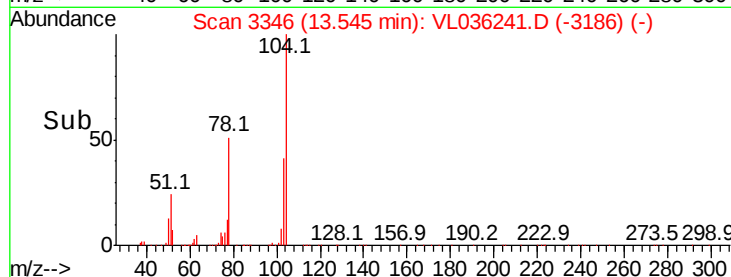
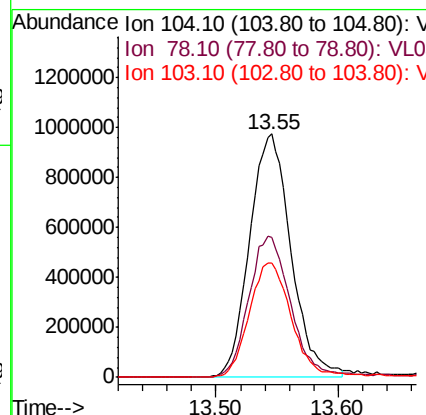
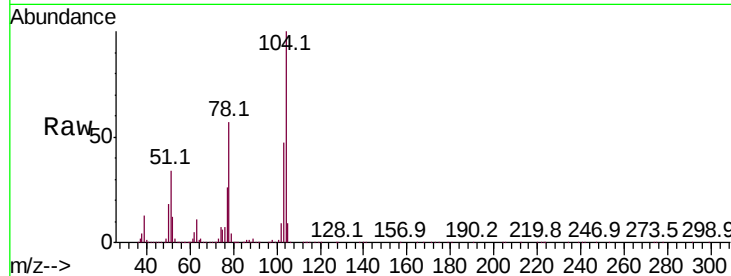
#61
Stvrene
Concen: 8.689 ppbv
RT: 13.55 min Scan# 3346
Delta R.T. 0.02 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:104 Resp: 2283051
Ion Ratio Lower Upper
104 100
78 59.5 46.8 70.2
103 48.8 38.4 57.6

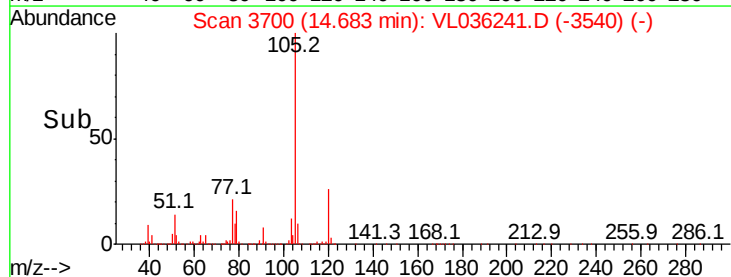
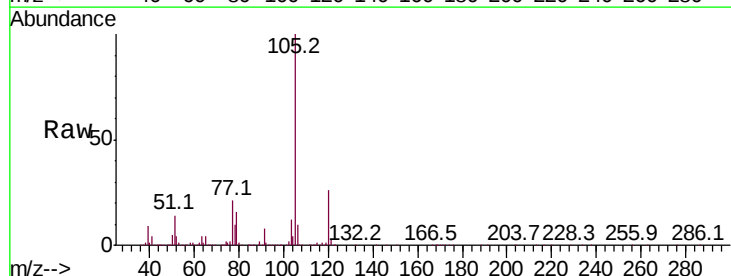
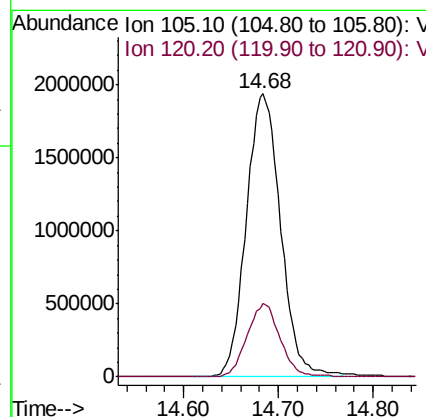
Manual Integrations
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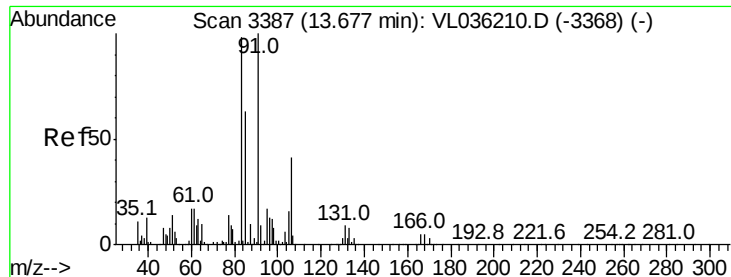
MMDadoda
1/18/2021 3:50:03 PM



#62
Isopropylbenzene
Concen: 7.901 ppbv
RT: 14.68 min Scan# 3700
Delta R.T. 0.02 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Tgt Ion:105 Resp: 4888255
Ion Ratio Lower Upper
105 100
120 25.2 20.3 30.5





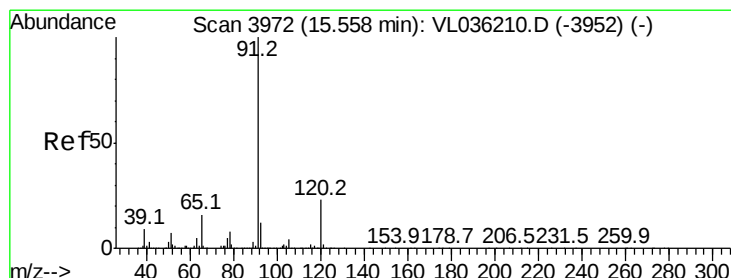
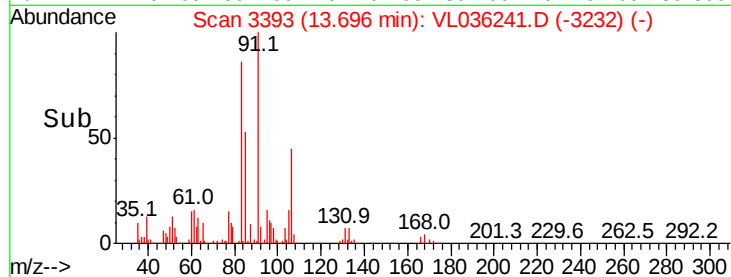
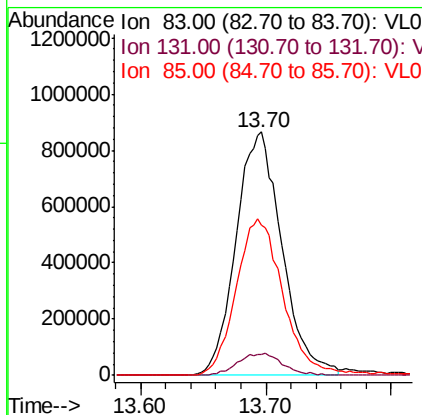
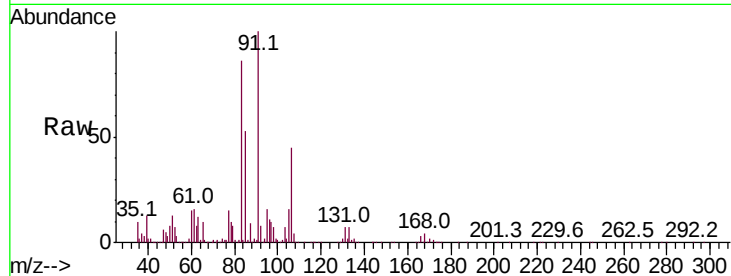
#63
1,1,2,2-Tetrachloroethane
Concen: 7.067 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. 0.02 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	83	Resp	2189695
Ion Ratio	100	Lower	Upper
83	100		
131	9.2	4.5	13.5
85	67.2	33.1	99.3

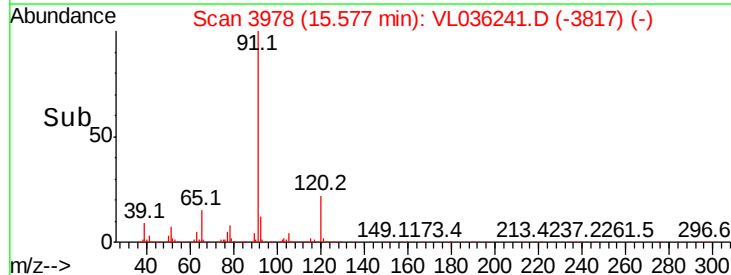
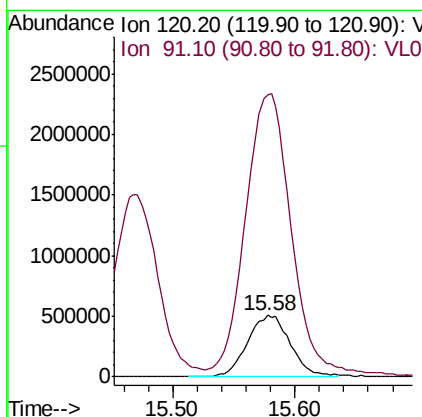
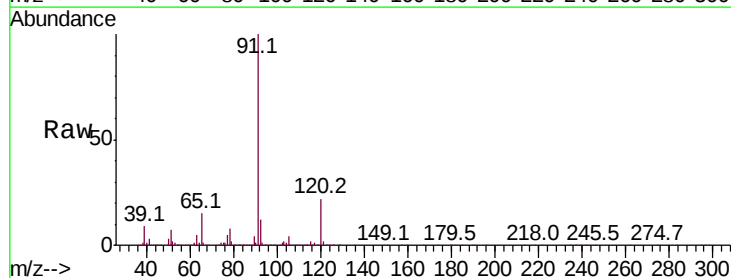
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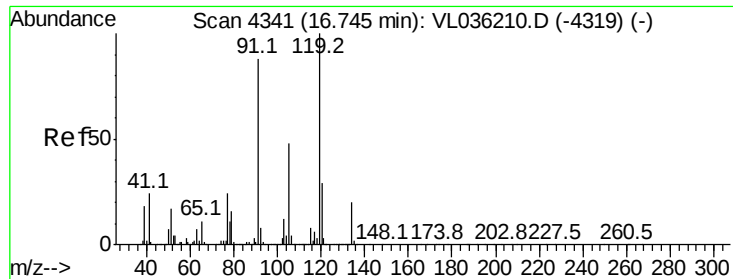
MMDadoda
1/18/2021 3:50:03 PM



#64
n-propylbenzene
Concen: 8.111 ppbv
RT: 15.58 min Scan# 3978
Delta R.T. 0.02 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Tgt Ion	120	Resp	1232936
Ion Ratio	100	Lower	Upper
120	100		
91	499.1	391.8	587.6





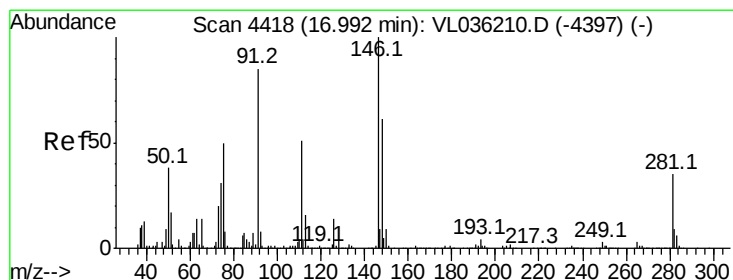
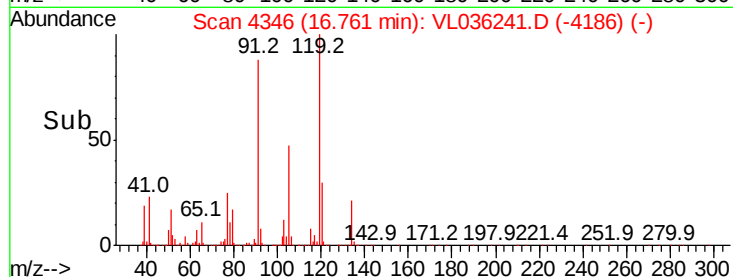
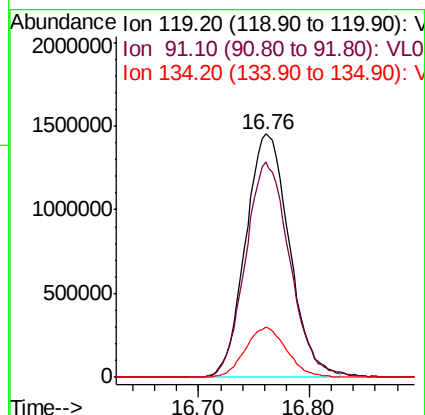
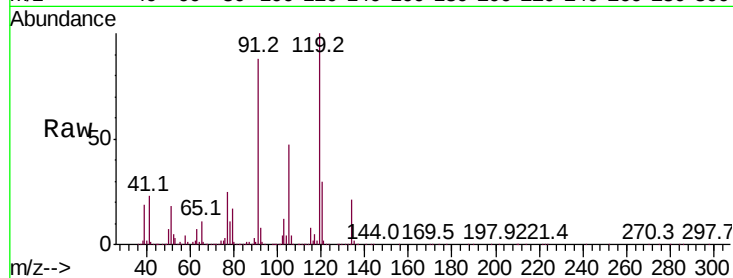
#65
tert-Butylbenzene
Concen: 7.615 ppbv
RT: 16.76 min Scan# 4346
Delta R.T. 0.02 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 119 Resp: 3992237
Ion Ratio Lower Upper
119 100
91 90.3 71.0 106.6
134 19.6 15.8 23.6

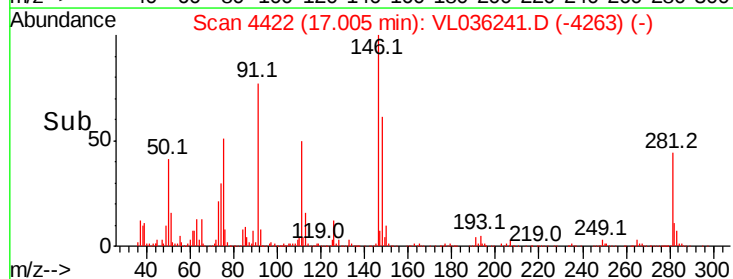
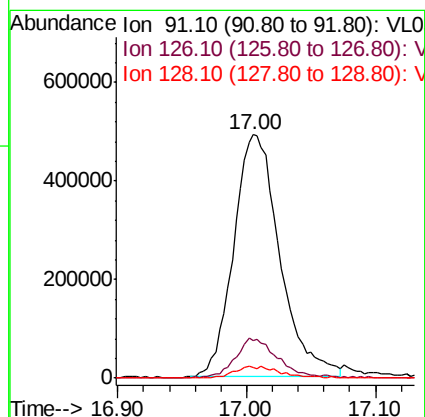
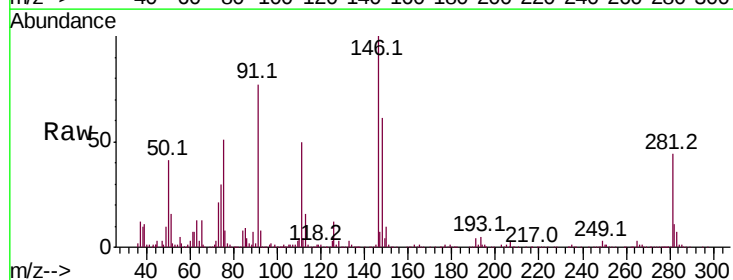
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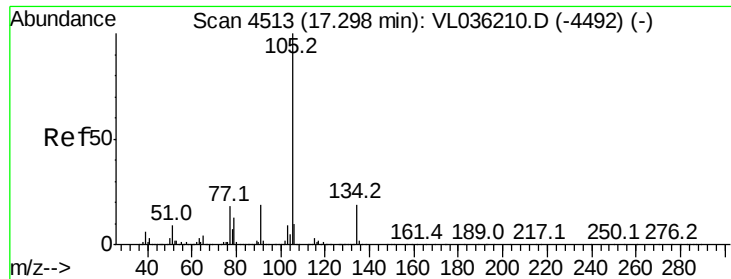
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#66
Benzyl Chloride
Concen: 9.053 ppbv
RT: 17.00 min Scan# 4422
Delta R.T. 0.01 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Tgt Ion: 91 Resp: 1212501
Ion Ratio Lower Upper
91 100
126 15.7 12.6 19.0
128 5.0 3.8 5.6





#67

sec-Butylbenzene

Concen: 7.446 ppbv

RT: 17.31 min Scan# 4518

Delta R.T. 0.02 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 5794142

Ion Ratio Lower Upper

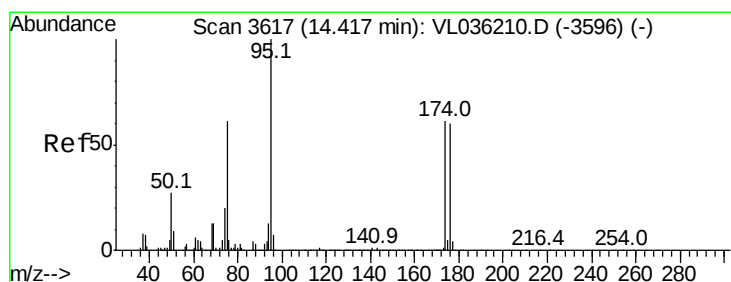
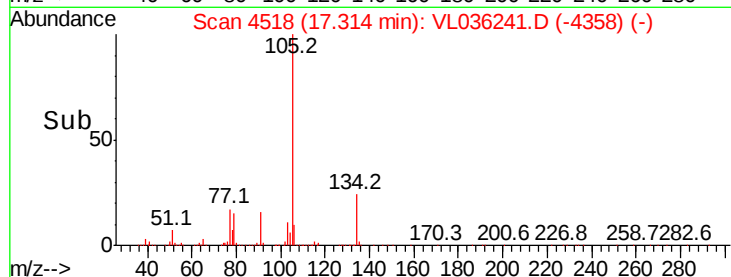
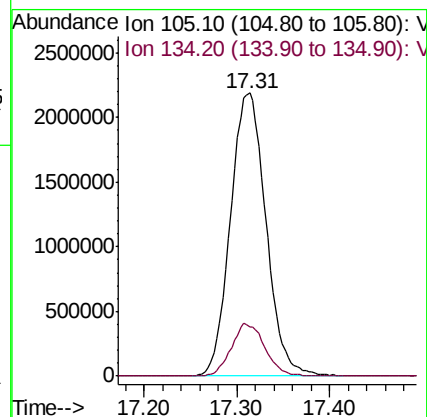
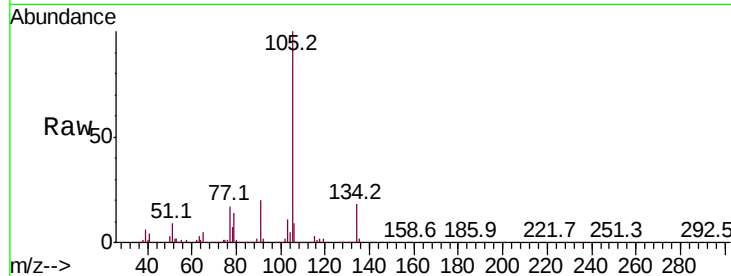
105 100

134 17.7 14.2 21.4

Manual Integrations
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1/18/2021 3:50:03 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 9.701 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. 0.01 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

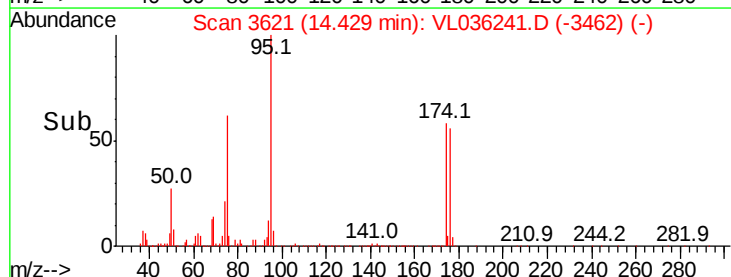
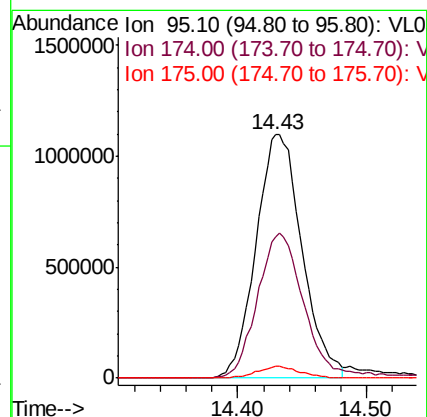
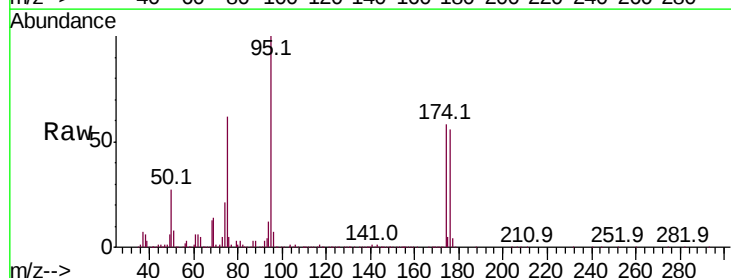
Tgt Ion: 95 Resp: 2718446

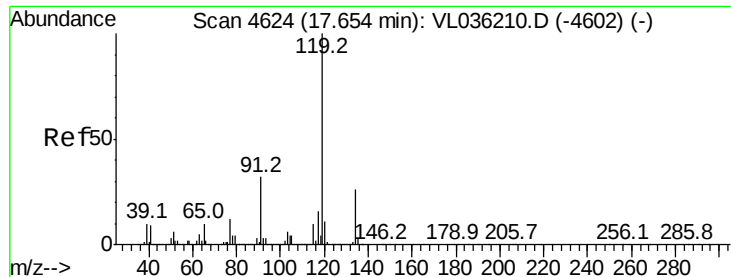
Ion Ratio Lower Upper

95 100

174 62.1 49.4 74.0

175 4.7 3.8 5.8





#69

p-Isopropyltoluene

Concen: 7.825 ppbv

RT: 17.67 min Scan# 4629

Delta R.T. 0.02 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 119 Resp: 4772420

Ion Ratio Lower Upper

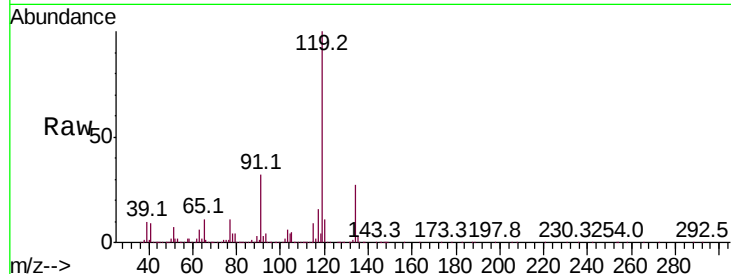
119 100

134 25.1 20.2 30.4

91 33.0 26.0 39.0

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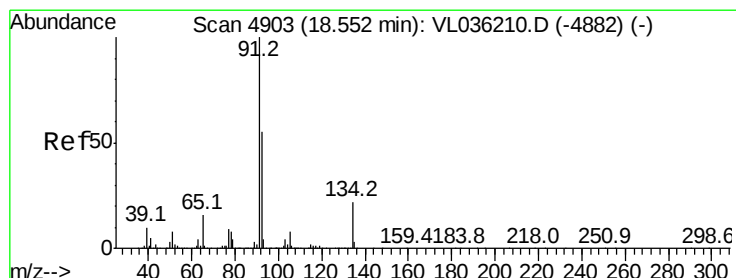
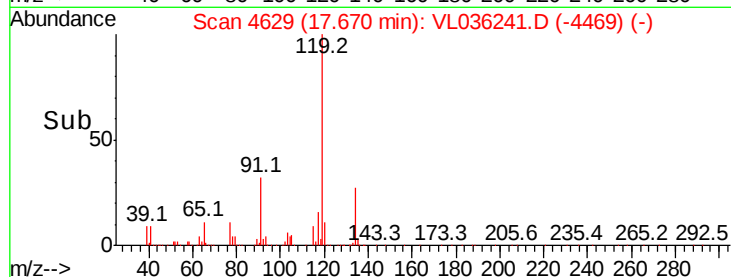
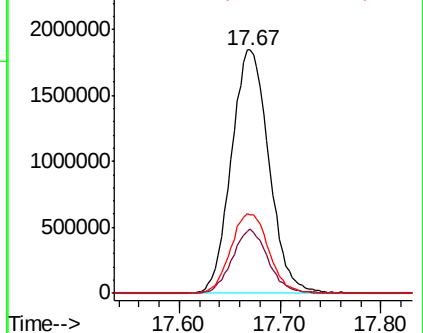
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Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 8.005 ppbv

RT: 18.57 min Scan# 4908

Delta R.T. 0.02 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

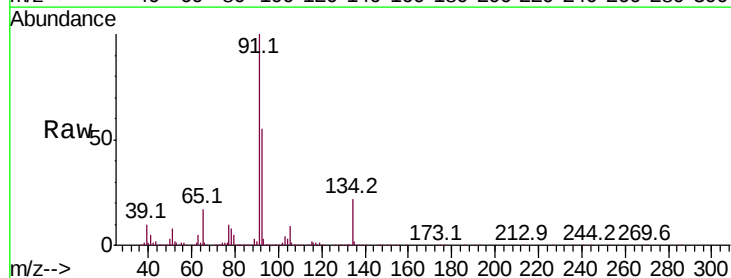
Tgt Ion: 91 Resp: 5264012

Ion Ratio Lower Upper

91 100

92 55.0 44.0 66.0

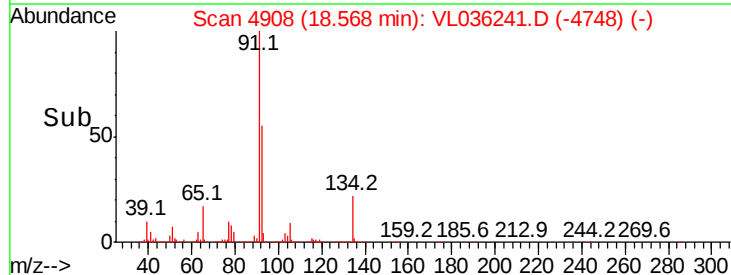
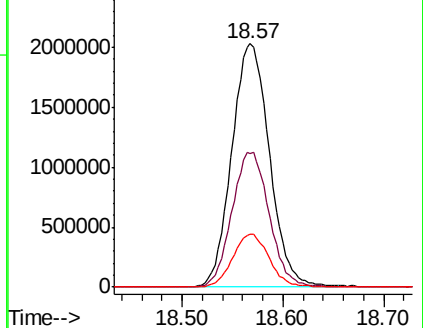
134 21.2 17.0 25.4

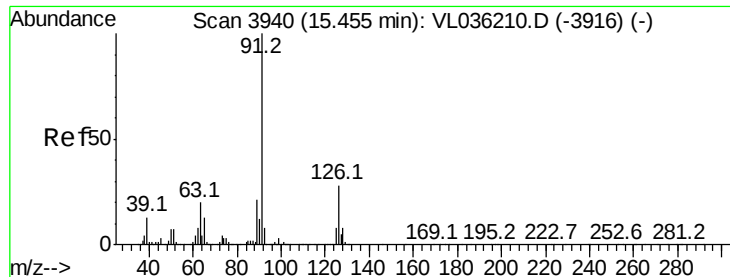


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.728 ppbv

RT: 15.47 min Scan# 3945

Delta R.T. 0.02 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3757795

Ion Ratio Lower Upper

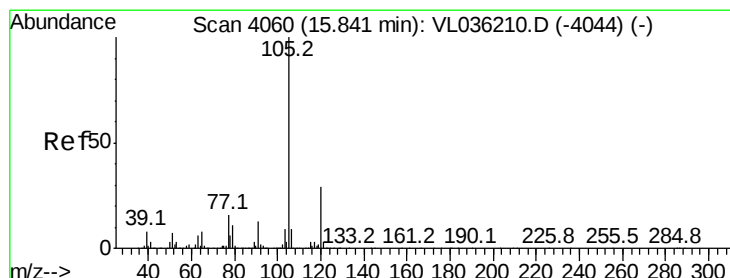
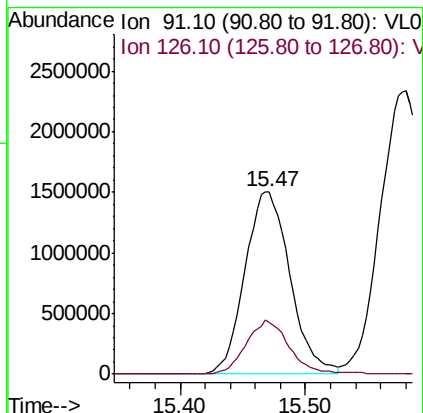
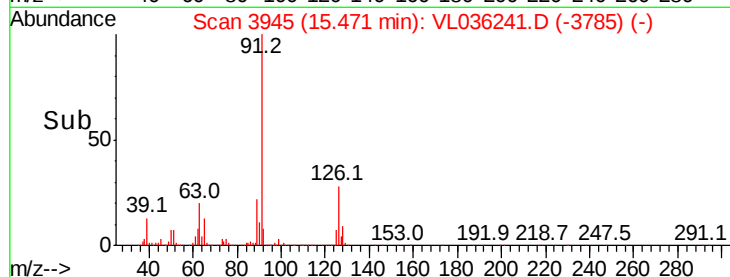
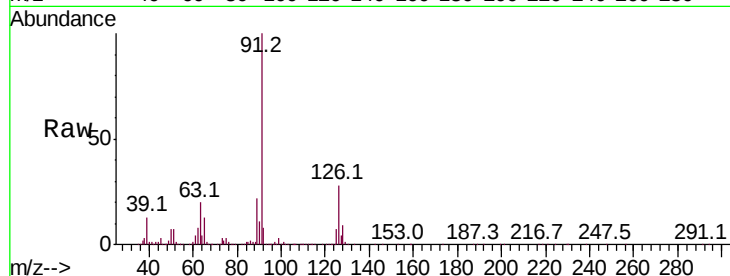
91 100

126 28.7 11.5 45.9

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1/18/2021 3:50:03 PM



#72

4-Ethyltoluene

Concen: 7.941 ppbv

RT: 15.86 min Scan# 4065

Delta R.T. 0.02 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

Tgt Ion:105 Resp: 3728913

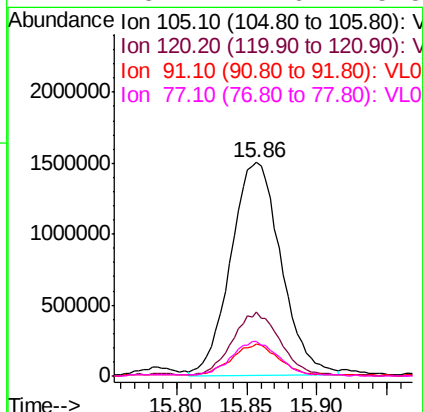
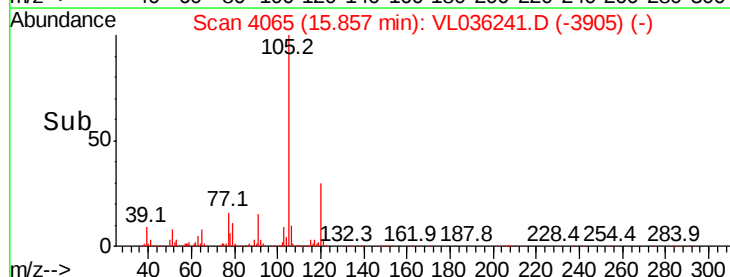
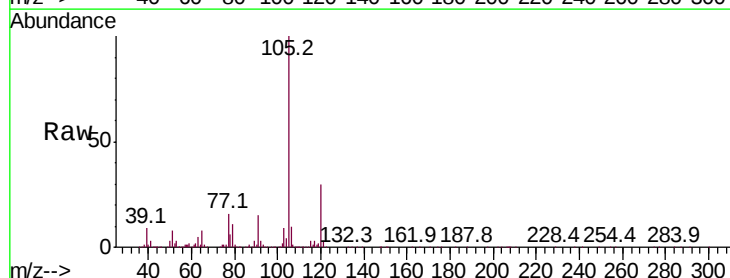
Ion Ratio Lower Upper

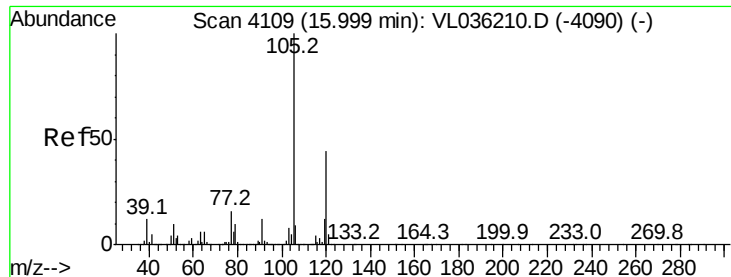
105 100

120 29.1 23.7 35.5

91 13.9 11.9 17.9

77 15.7 12.6 18.8





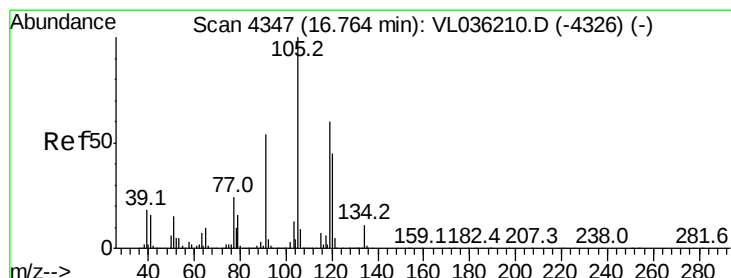
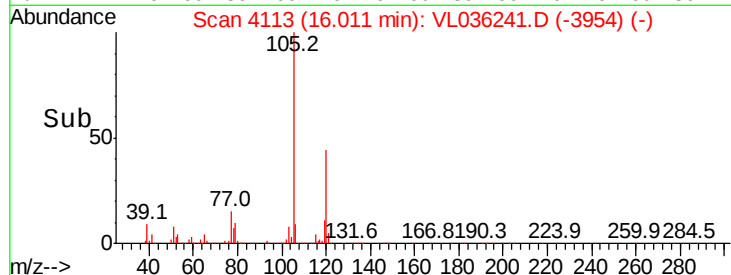
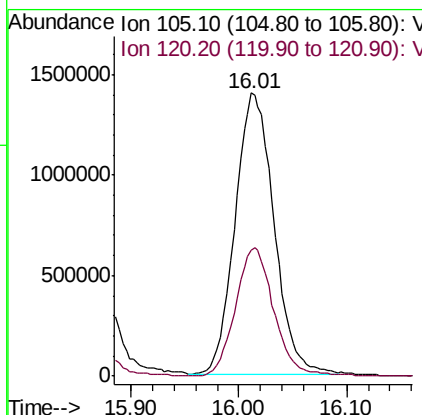
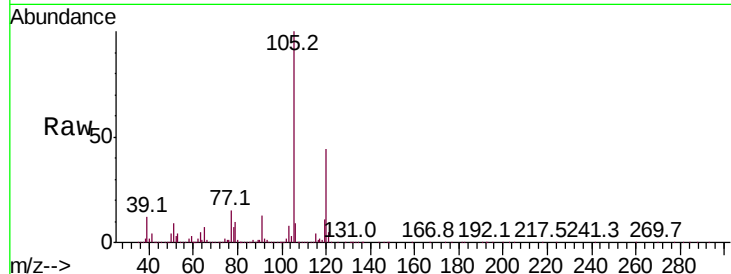
#73
 1,3,5-Trimethylbenzene
 Concen: 7.832 ppbv
 RT: 16.01 min Scan# 4113
 Delta R.T. 0.01 min
 Lab File: VL036241.D
 Acq: 14 Jan 2021 1:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 3506010
 Ion Ratio Lower Upper
 105 100
 120 44.4 35.5 53.3

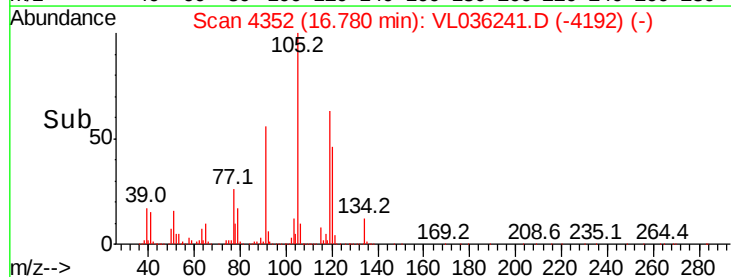
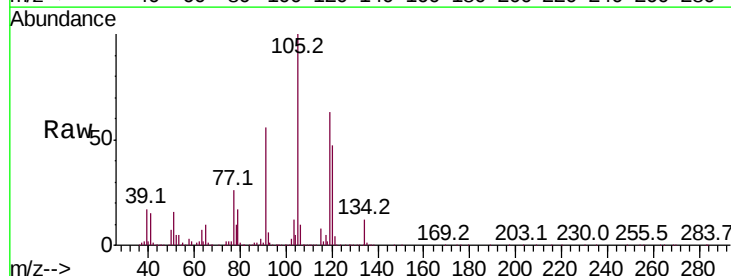
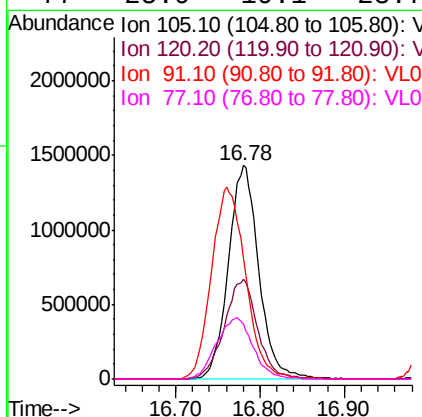
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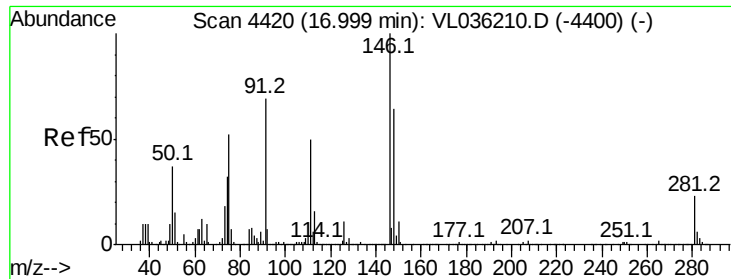
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#74
 1,2,4-Trimethylbenzene
 Concen: 7.801 ppbv
 RT: 16.78 min Scan# 4352
 Delta R.T. 0.02 min
 Lab File: VL036241.D
 Acq: 14 Jan 2021 1:47

Tgt Ion:105 Resp: 3582009
 Ion Ratio Lower Upper
 105 100
 120 46.5 36.2 54.2
 91 56.2 43.3 64.9
 77 25.9 19.1 28.7





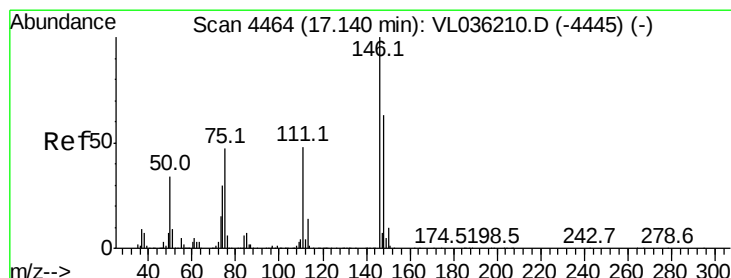
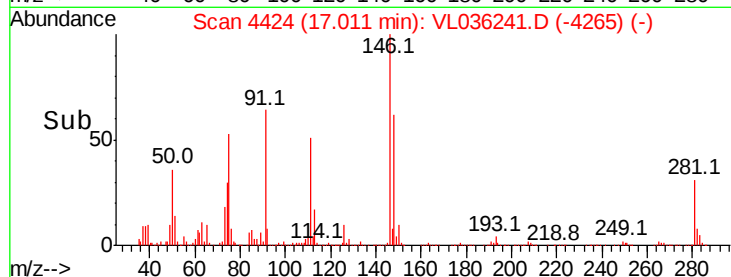
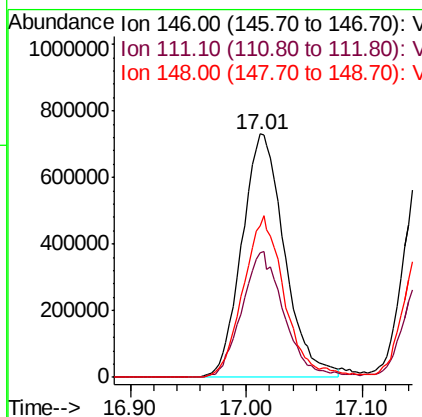
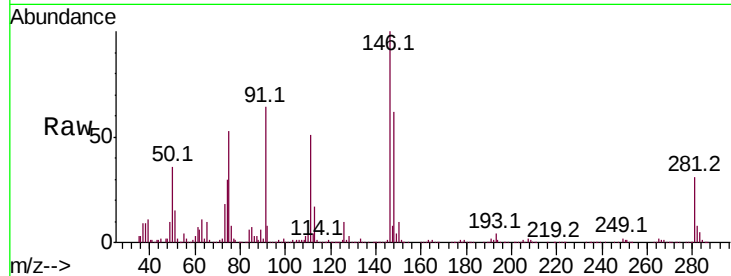
#75
 1,3-Dichlorobenzene
 Concen: 7.790 ppbv
 RT: 17.01 min Scan# 4424
 Delta R.T. 0.01 min
 Lab File: VL036241.D
 Acq: 14 Jan 2021 1:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1870218
 Ion Ratio Lower Upper
 146 100
 111 51.0 25.5 76.5
 148 64.3 32.4 97.2

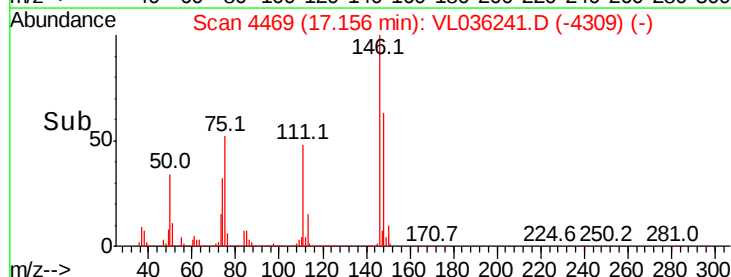
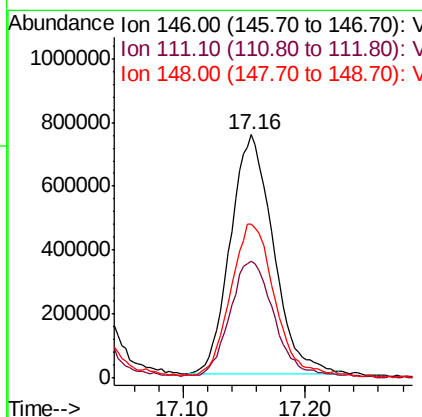
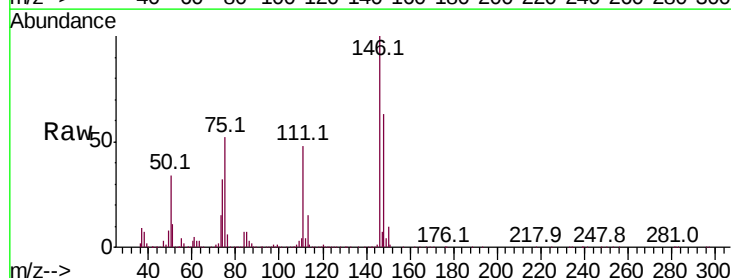
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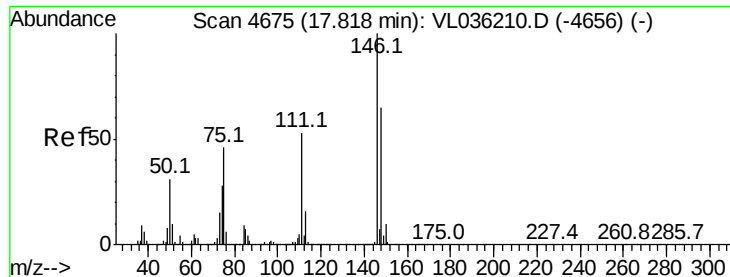
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#76
 1,4-Dichlorobenzene
 Concen: 7.954 ppbv
 RT: 17.16 min Scan# 4469
 Delta R.T. 0.02 min
 Lab File: VL036241.D
 Acq: 14 Jan 2021 1:47

Tgt Ion:146 Resp: 1829554
 Ion Ratio Lower Upper
 146 100
 111 51.4 25.4 76.0
 148 67.4 33.3 99.9





#77

1,2-Dichlorobenzene

Concen: 8.110 ppbv

RT: 17.83 min Scan# 4679

Delta R.T. 0.01 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 1913707

Ion Ratio Lower Upper

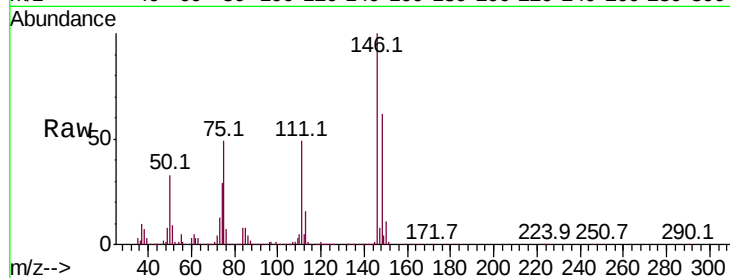
146 100

111 51.2 26.5 79.4

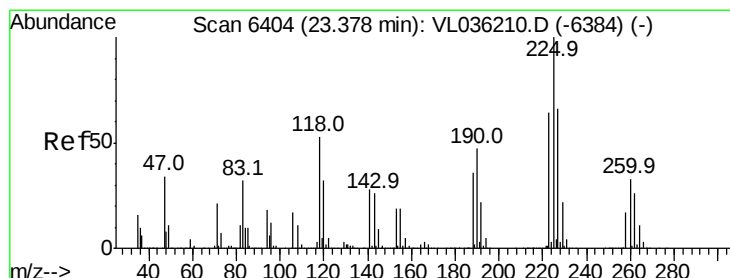
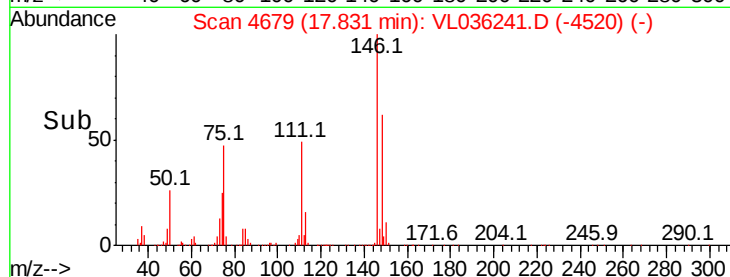
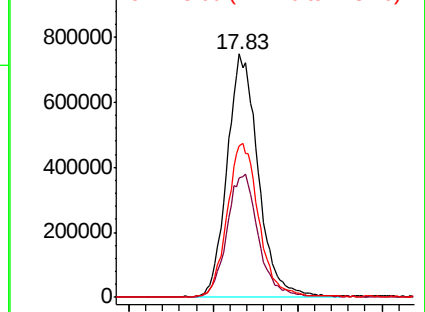
148 63.8 32.8 98.4

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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: 9.731 ppbv

RT: 23.39 min Scan# 6408

Delta R.T. 0.01 min

Lab File: VL036241.D

Acq: 14 Jan 2021 1:47

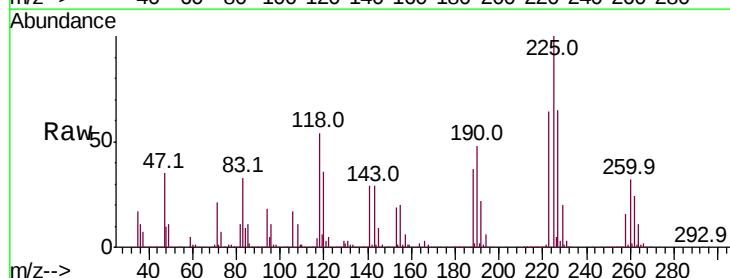
Tgt Ion:225 Resp: 1829179

Ion Ratio Lower Upper

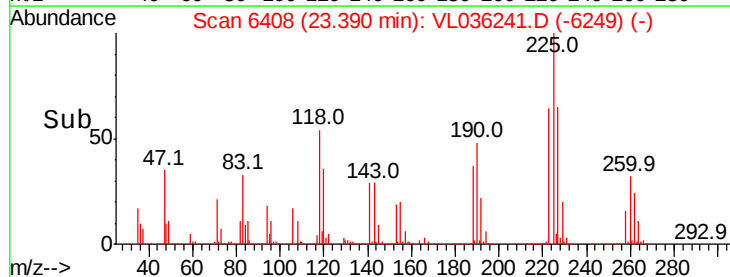
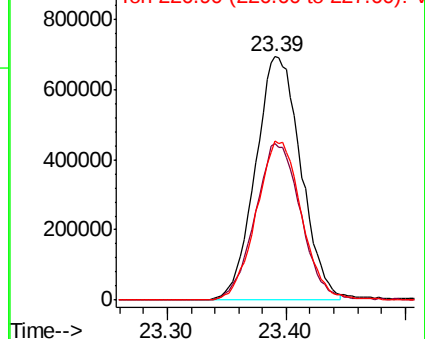
225 100

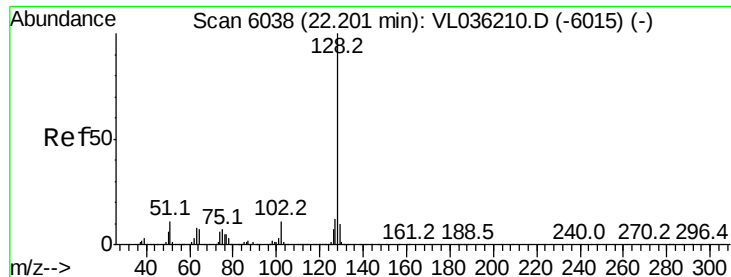
223 65.2 50.5 75.7

227 65.5 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





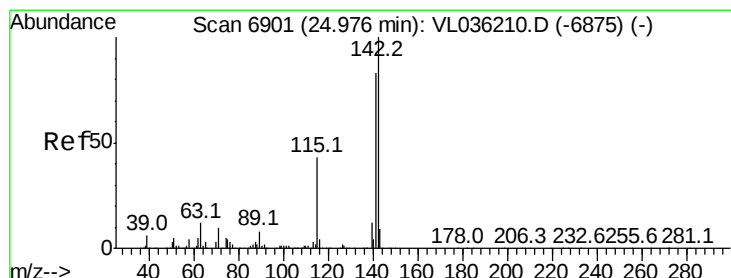
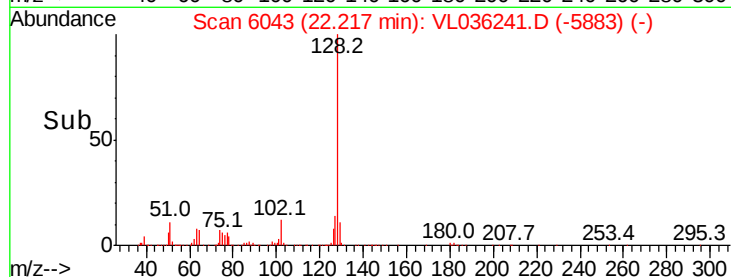
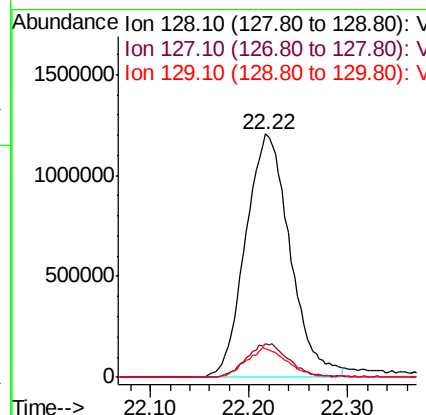
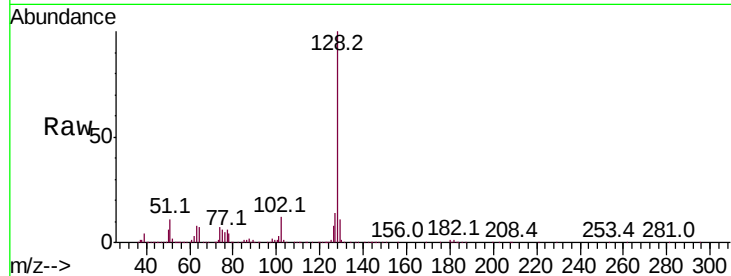
#79
Naphthalene
Concen: 14.323 ppbv
RT: 22.22 min Scan# 6043
Delta R.T. 0.02 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	9.9	14.9
129	11.5	8.4	12.6

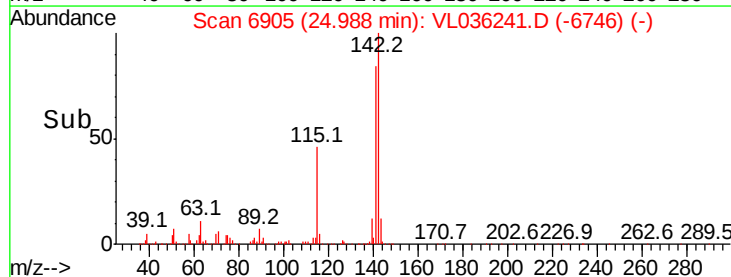
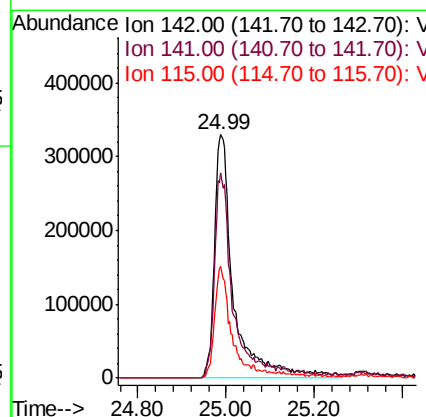
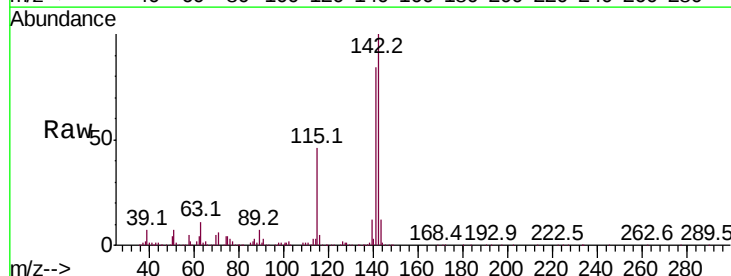
Manual Integrations
APPROVED

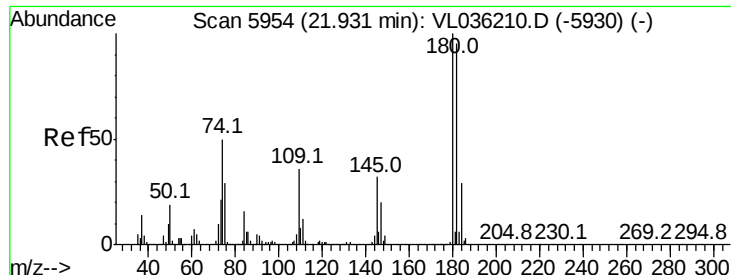
MMDadoda
1/18/2021 3:50:03 PM



#80
Naphthalene, 2-methyl-
Concen: 18.661 ppbv
RT: 24.99 min Scan# 6905
Delta R.T. 0.01 min
Lab File: VL036241.D
Acq: 14 Jan 2021 1:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.2	68.6	102.8
115	42.1	32.9	49.3





#81
 1,2,4-Trichlorobenzene
 Concen: 12.750 ppbv m
 RT: 21.94 min Scan# 5958
 Delta R.T. 0.01 min
 Lab File: VL036241.D
 Acq: 14 Jan 2021 1:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.7	79.9	119.9
184	31.2	25.6	38.4

Manual Integrations
 APPROVED

MMDadoda
 1/18/2021 3:50:03 PM

