

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040721\
 Data File : VL036744.D
 Acq On : 8 Apr 2021 9:01
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:16:44 AM

Quant Time: Apr 08 09:36:23 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1270088	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3176929	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	2876360m	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2344529	10.23	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1735771	8.379 ppbv	98
3) Chlorodifluoromethane	2.98	51	2305609	9.716 ppbv	100
4) Chloromethane	3.13	50	728649	8.693 ppbv	96
5) Vinyl Chloride	3.25	62	749261	8.694 ppbv	98
6) Bromomethane	3.47	94	406712	8.571 ppbv	99
7) Chloroethane	3.55	64	259522	8.763 ppbv	96
8) Dichlorotetrafluoroethane	3.18	85	1735197	8.776 ppbv	96
9) Propene	3.00	41	671232	8.873 ppbv	99
10) Heptane	8.11	43	1797875	9.329 ppbv	98
11) Trichlorofluoromethane	3.94	101	1808263	8.565 ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1192525	8.835 ppbv	100
13) Ethanol	3.60	45	83712	9.292 ppbv	93
14) Bromoethene	3.73	108	492423	8.775 ppbv	99
15) Acetone	3.84	43	985557	7.884 ppbv	97
16) 1,3-Butadiene	3.32	39	809516	9.302 ppbv	96
17) tert-Butyl alcohol	4.29	59	1084347	9.965 ppbv	99
18) 1,1-Dichloroethene	4.28	96	512464	8.536 ppbv	98
19) Isopropyl Alcohol	3.96	45	592803	8.621 ppbv	99
20) Methylene Chloride	4.33	84	452377	7.729 ppbv	92
21) Allyl Chloride	4.40	41	880213	8.833 ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	499992	8.983 ppbv	91
23) Vinyl Acetate	5.06	43	1997077	9.340 ppbv	99
24) 1,1-Dichloroethane	5.00	63	1390908	8.924 ppbv	99
25) Ethyl Acetate	5.67	43	2663108	8.961 ppbv	99
26) Hexane	5.68	57	1248266	9.051 ppbv	98
27) Carbon Disulfide	4.54	76	1293307	9.519 ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1434674	8.821 ppbv	98
29) Chloroform	5.74	83	2044944	9.271 ppbv	97
30) Cyclohexane	7.12	84	1060629	9.482 ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1255335	9.411 ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	2060925	9.272 ppbv	100
34) 2-Butanone	5.23	43	1296101	8.358 ppbv	100
35) Carbon Tetrachloride	7.01	117	2150452	8.813 ppbv	97
36) Benzene	6.88	78	2687850	9.174 ppbv	99
37) 1,2-Dichloroethane	6.30	62	1558600	9.038 ppbv	100
38) Trichloroethene	7.83	130	968586	8.494 ppbv	98
39) 1,2-Dichloropropane	7.61	63	1055889	8.884 ppbv	99
40) 1,4-Dioxane	7.83	88	246188	8.900 ppbv	97
41) Tetrahydrofuran	6.04	42	565670	7.911 ppbv	96
42) Bromodichloromethane	7.78	83	2180229	9.295 ppbv	98
43) Methyl Methacrylate	8.01	69	1017425	10.341 ppbv	97

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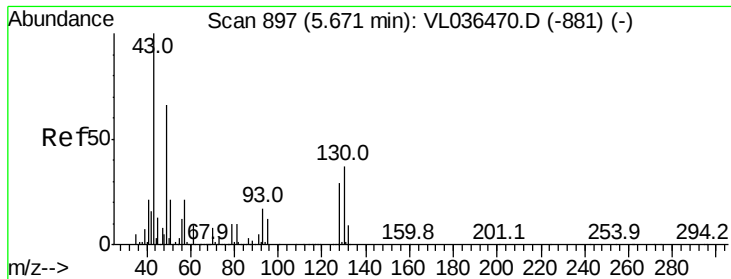
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4593484	8.908	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1006731	8.961	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1273670	8.869	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1088270	9.040	ppbv	98
48) Dibromochloromethane	10.29	129	1821292	9.924	ppbv	99
49) Bromoform	13.03	173	1499925	10.144	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1959357	8.732	ppbv	99
51) 2-Hexanone	10.13	43	1063210	9.389	ppbv #	98
52) Tetrachloroethene	11.22	164	929519	8.615	ppbv	98
53) Toluene	9.80	91	3038654	9.739	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1596955	9.393	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1273404	9.788	ppbv	95
57) Chlorobenzene	12.14	112	2268225	9.268	ppbv	98
58) Ethyl Benzene	12.71	91	4108255	9.817	ppbv	99
59) m/p-Xylene	12.99	91	6975272m	19.110	ppbv	
60) o-Xylene	13.69	91	3282443	9.301	ppbv	100
61) Styrene	13.52	104	1799694	10.136	ppbv	99
62) Isopropylbenzene	14.66	105	4578874	9.634	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2417415	8.979	ppbv	99
64) n-propylbenzene	15.55	120	1186685	10.213	ppbv	99
65) tert-Butylbenzene	16.74	119	3997406	9.700	ppbv	99
66) Benzyl Chloride	16.99	91	308196	6.766	ppbv	99
67) sec-Butylbenzene	17.29	105	5626981	9.673	ppbv	99
69) p-Isopropyltoluene	17.65	119	4646490	10.228	ppbv	99
70) n-Butylbenzene	18.55	91	4756818	10.099	ppbv	99
71) 2-Chlorotoluene	15.45	91	3504449	9.840	ppbv	100
72) 4-Ethyltoluene	15.83	105	3903453	10.094	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	3464492	9.599	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	3611589	9.350	ppbv	94
75) 1,3-Dichlorobenzene	16.99	146	2123727	9.768	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2093424	9.698	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	2107665	10.313	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1659493	9.067	ppbv	99
79) Naphthalene	22.19	128	2588639	11.485	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	511726	11.514	ppbv	97
81) 1,2,4-Trichlorobenzene	21.92	180	1544148	11.096	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1270088

Ion Ratio Lower Upper

49 100

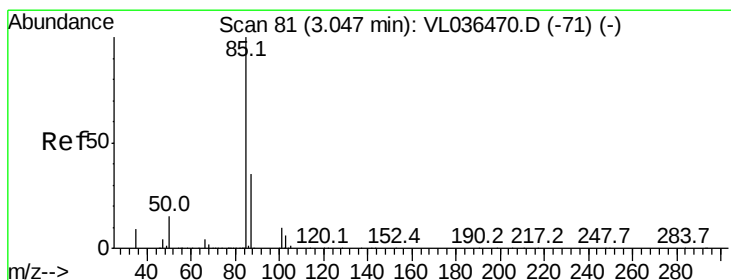
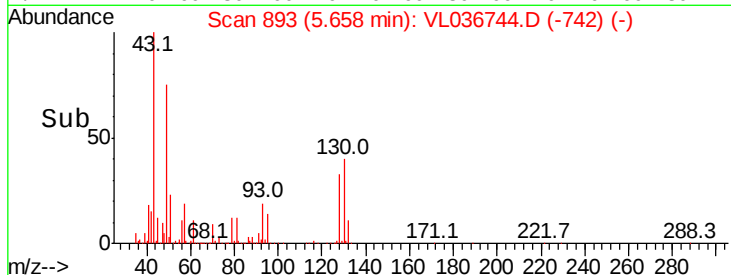
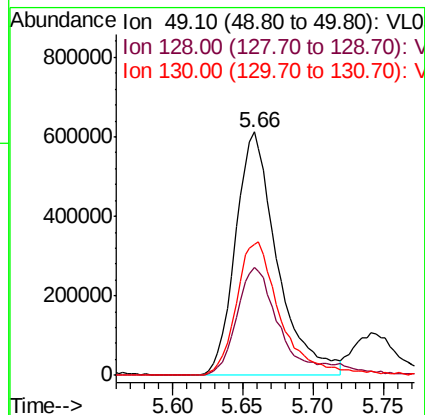
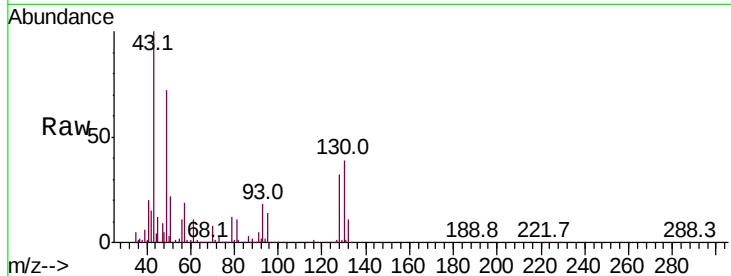
128 48.4 23.5 70.6

130 58.6 29.1 87.4

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 8.379 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL036744.D

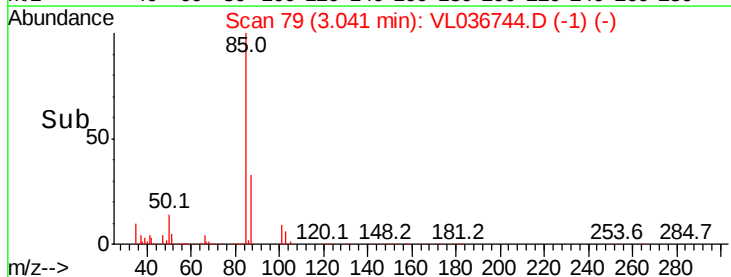
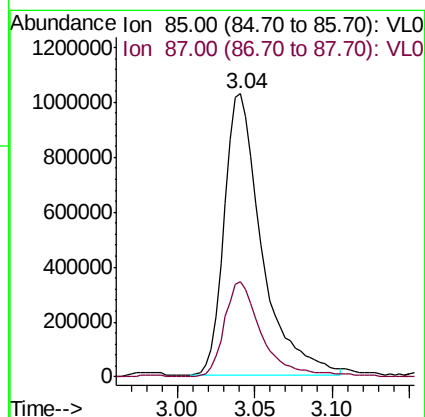
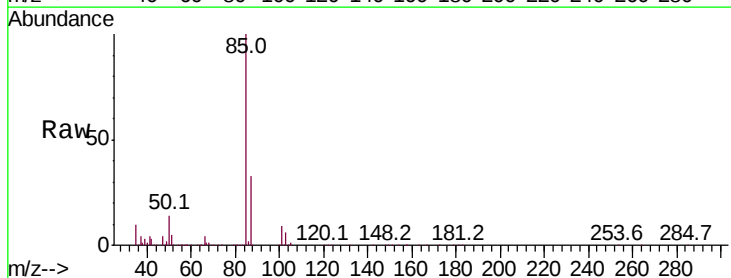
Acq: 8 Apr 2021 9:01

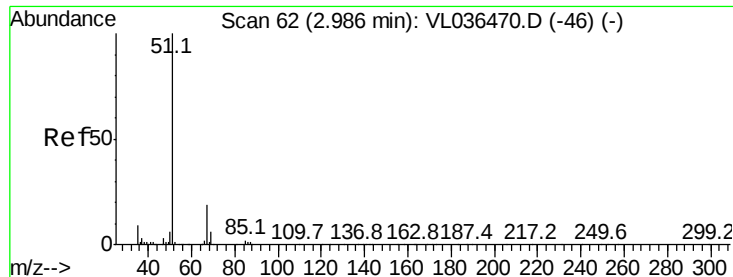
Tgt Ion: 85 Resp: 1735771

Ion Ratio Lower Upper

85 100

87 33.4 27.8 41.8





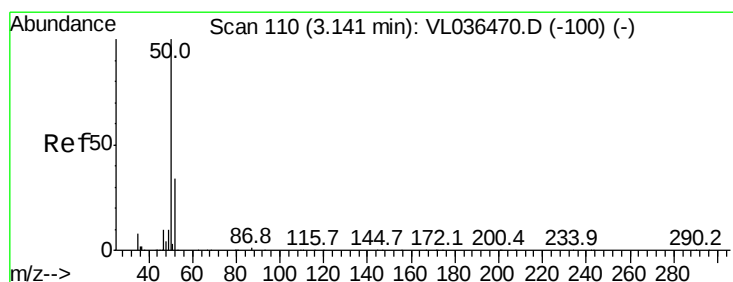
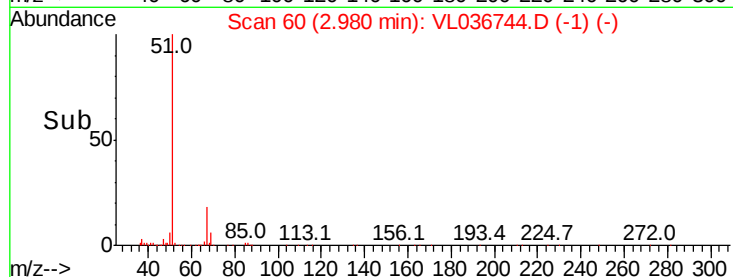
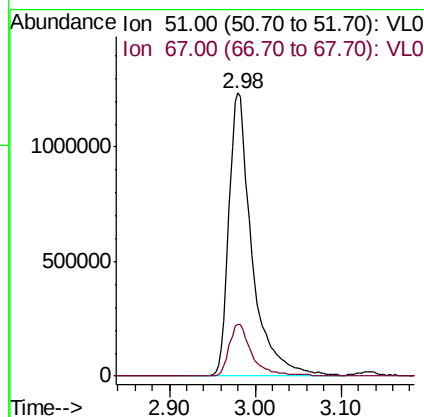
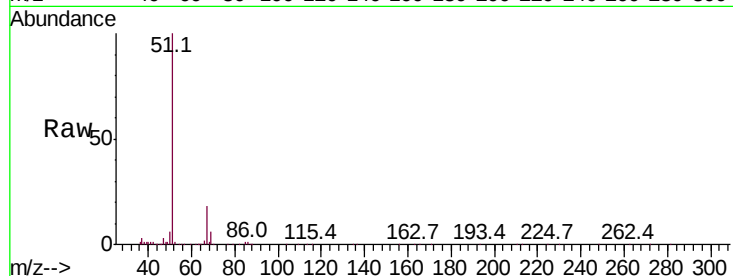
#3
Chlorodifluoromethane
Concen: 9.716 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.01 min
Lab File: VL036744.D
Acq: 8 Apr 2021 9:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 51 Resp: 2305609
Ion Ratio Lower Upper
51 100
67 18.3 14.7 22.1

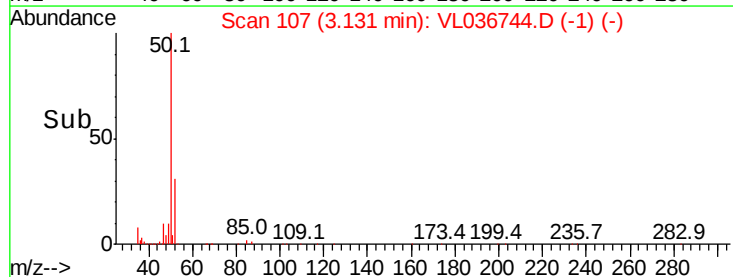
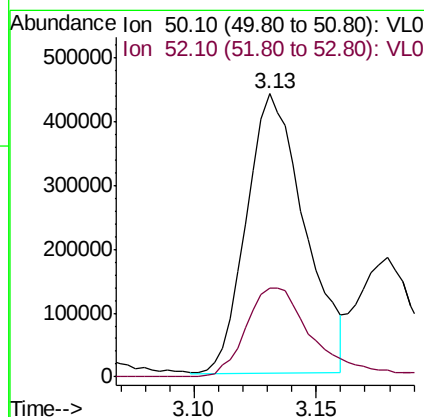
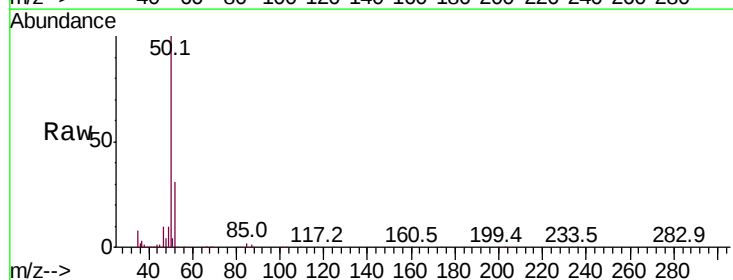
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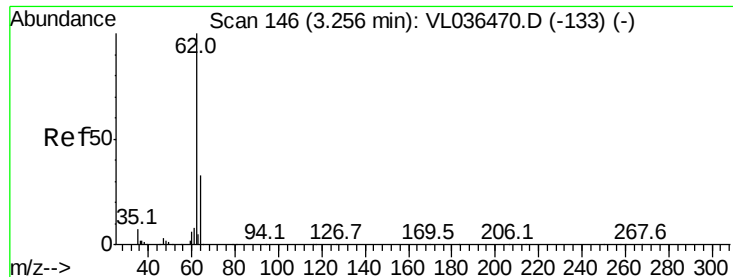
MMDadoda
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#4
Chloromethane
Concen: 8.693 ppbv
RT: 3.13 min Scan# 107
Delta R.T. -0.01 min
Lab File: VL036744.D
Acq: 8 Apr 2021 9:01

Tgt Ion: 50 Resp: 728649
Ion Ratio Lower Upper
50 100
52 31.6 27.0 40.6





#5

Vinyl Chloride

Concen: 8.694 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 749261

Ion Ratio Lower Upper

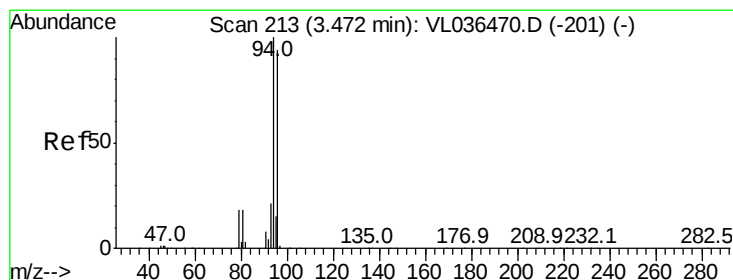
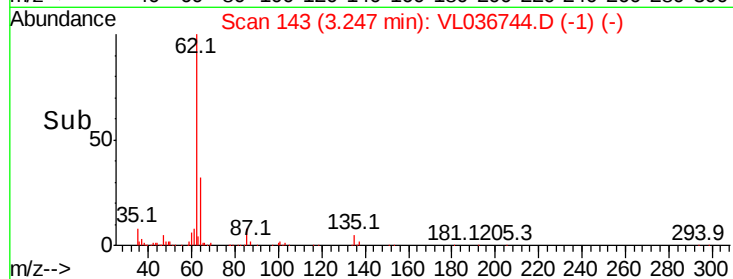
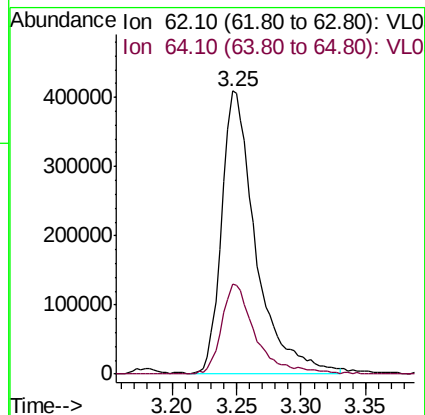
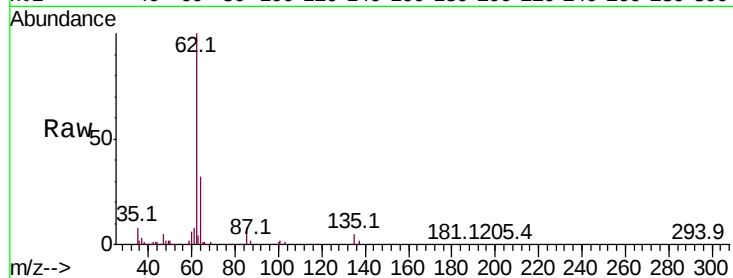
62 100

64 32.0 26.4 39.6

Manual Integrations
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#6

Bromomethane

Concen: 8.571 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL036744.D

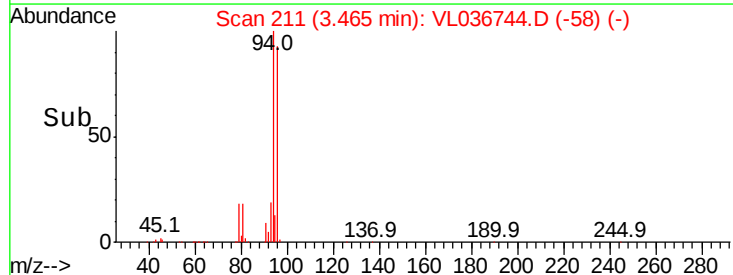
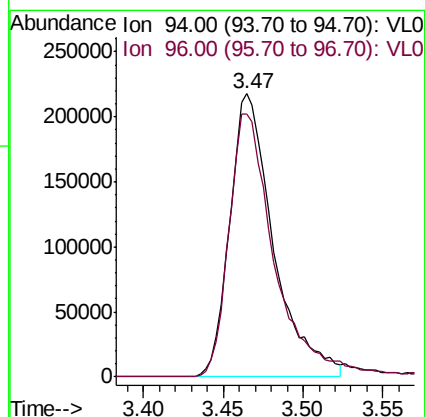
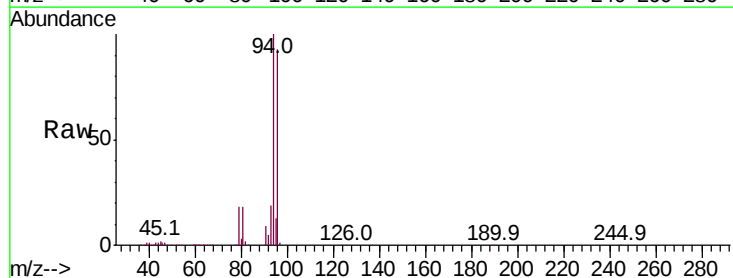
Acq: 8 Apr 2021 9:01

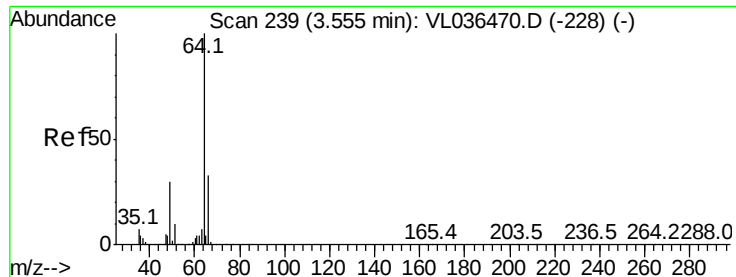
Tgt Ion: 94 Resp: 406712

Ion Ratio Lower Upper

94 100

96 92.7 74.9 112.3





#7

Chloroethane

Concen: 8.763 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.01 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 259522

Ion Ratio Lower Upper

64 100

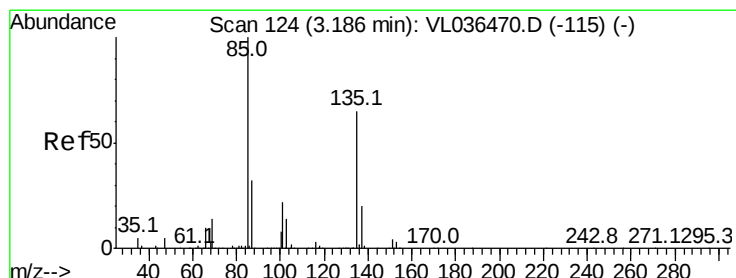
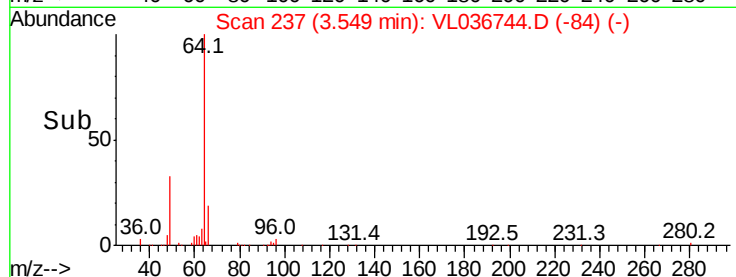
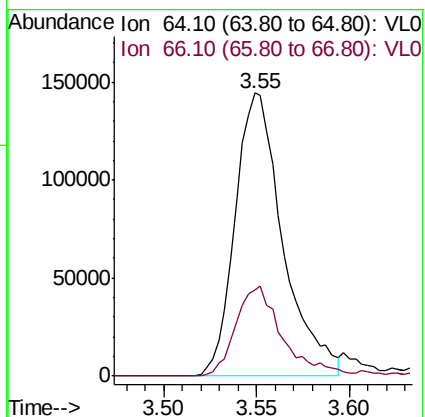
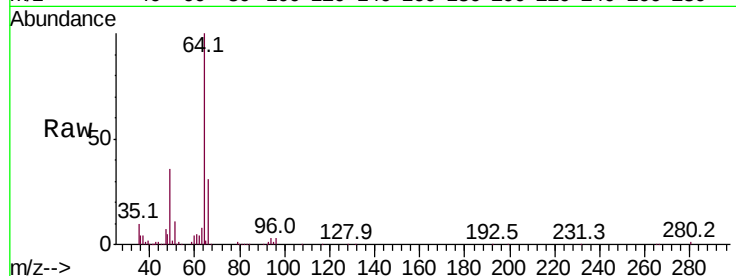
66 30.5 26.2 39.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.776 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL036744.D

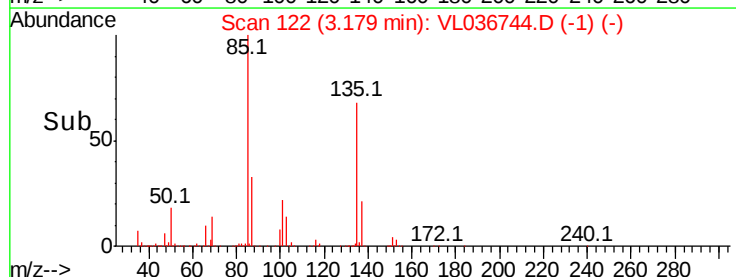
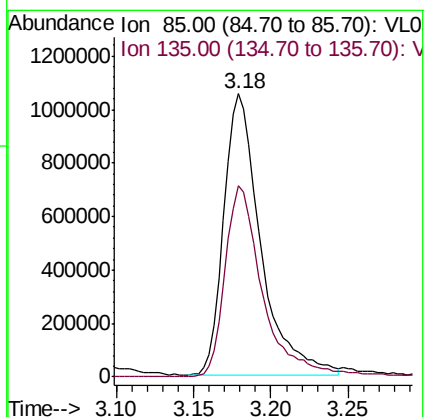
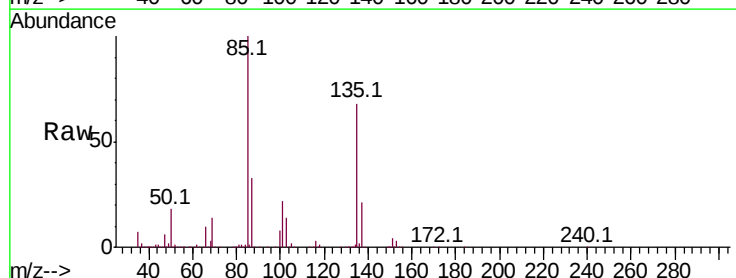
Acq: 8 Apr 2021 9:01

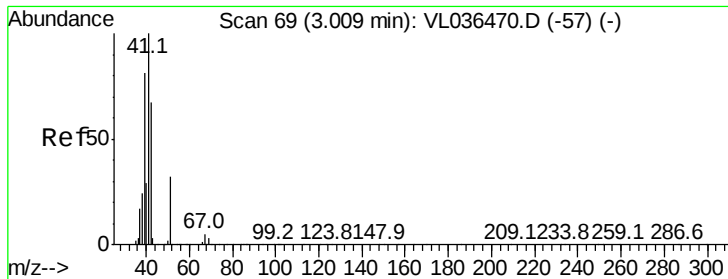
Tgt Ion: 85 Resp: 1735197

Ion Ratio Lower Upper

85 100

135 70.9 54.3 81.5





#9

Propene

Concen: 8.873 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

Instrument :

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 671232

Ion Ratio Lower Upper

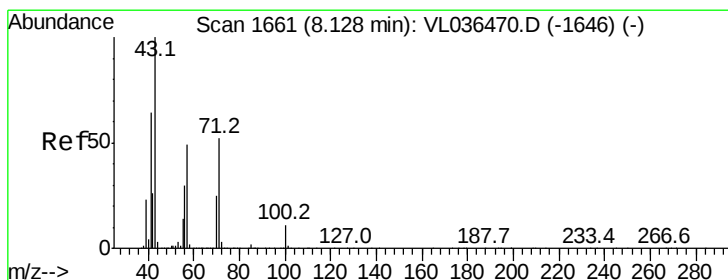
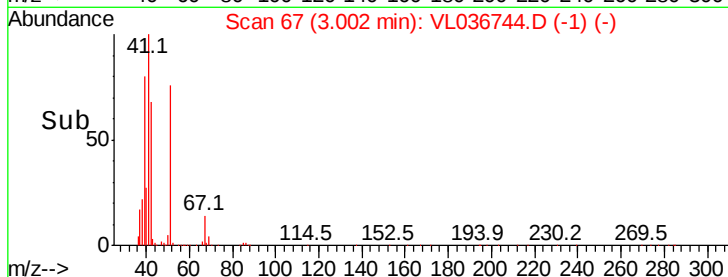
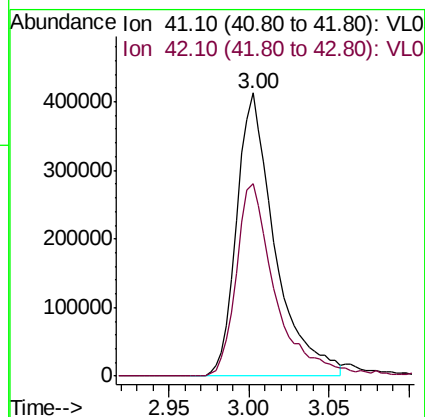
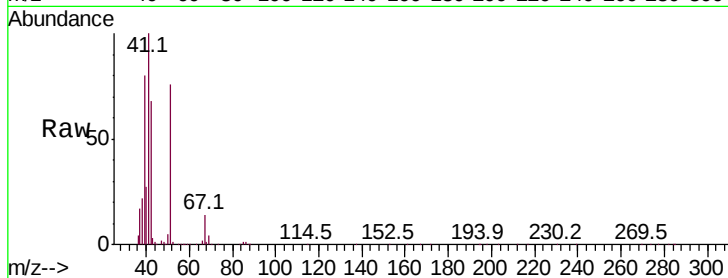
41 100

42 70.0 57.0 85.4

Manual Integrations
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#10

Heptane

Concen: 9.329 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VL036744.D

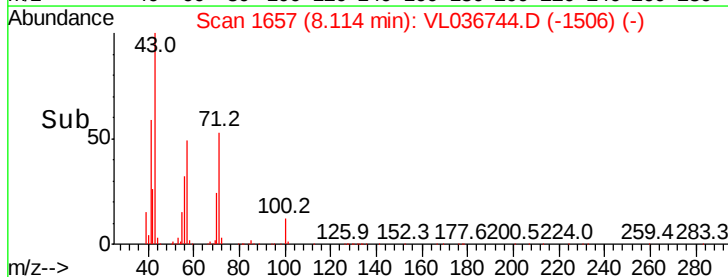
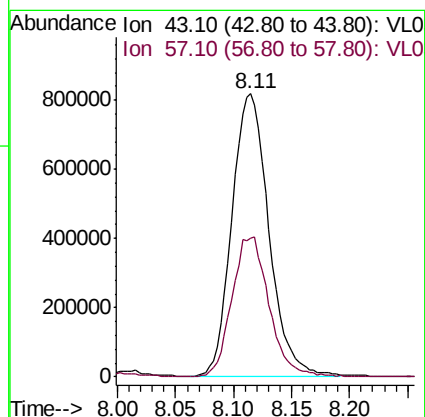
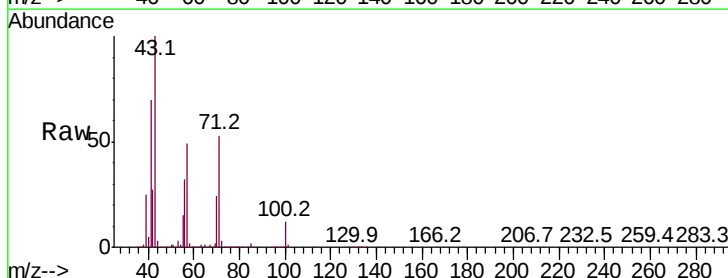
Acq: 8 Apr 2021 9:01

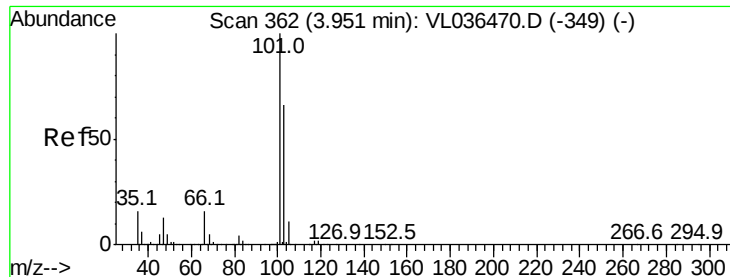
Tgt Ion: 43 Resp: 1797875

Ion Ratio Lower Upper

43 100

57 50.3 39.0 58.6





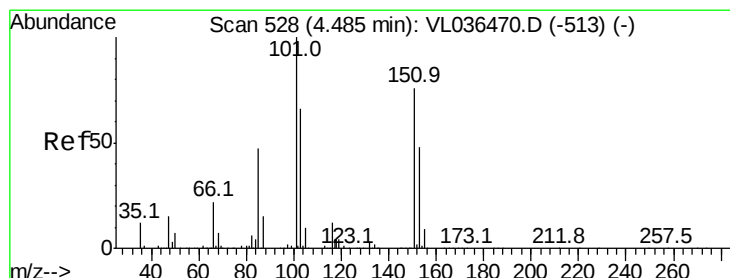
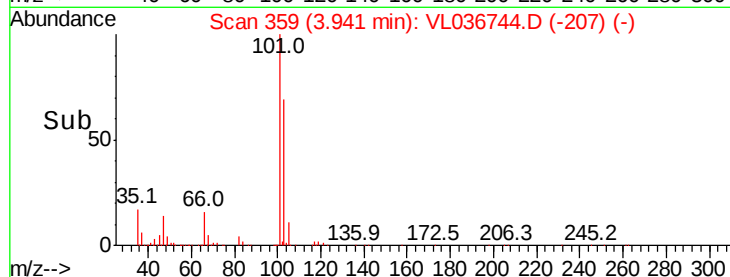
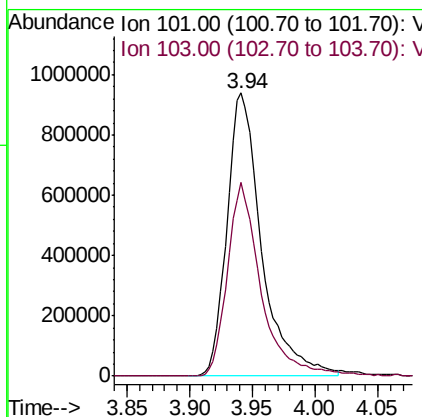
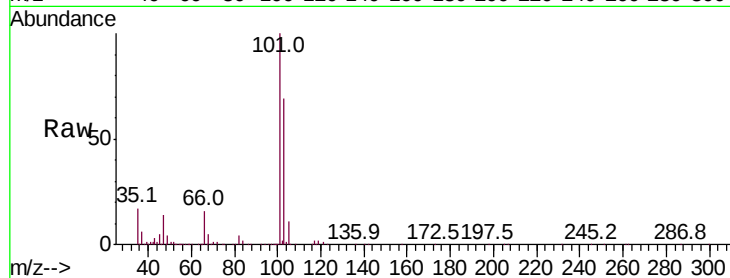
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 Trichlorofluoromethane
 Concen: 8.565 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VL036744.D
 Acq: 8 Apr 2021 9:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1808263
 Ion Ratio Lower Upper
 101 100
 103 68.7 52.5 78.7

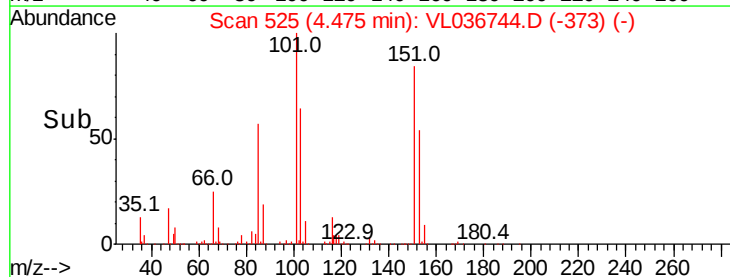
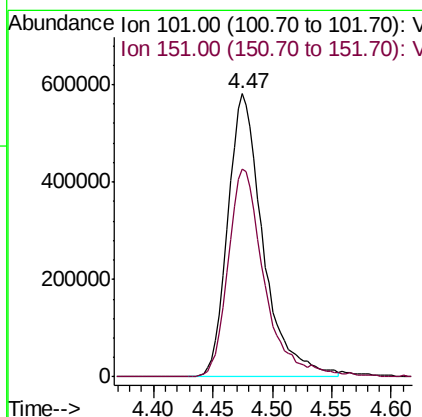
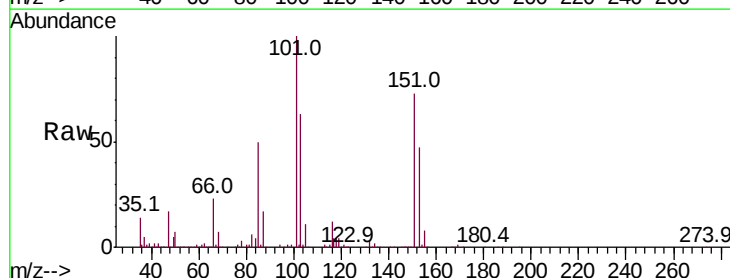
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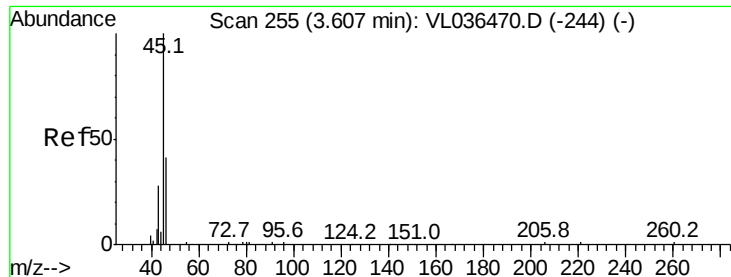
MMDadoda
 4/12/2021 11:16:44 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.835 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: VL036744.D
 Acq: 8 Apr 2021 9:01

Tgt Ion:101 Resp: 1192525
 Ion Ratio Lower Upper
 101 100
 151 76.2 60.9 91.3





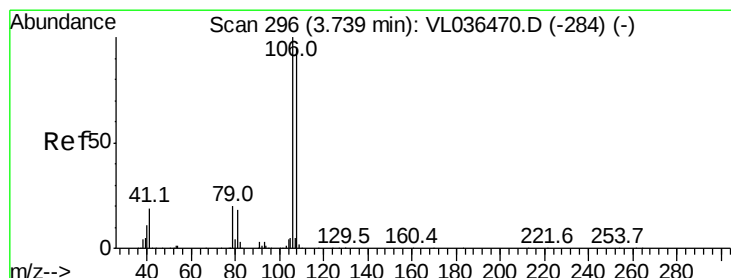
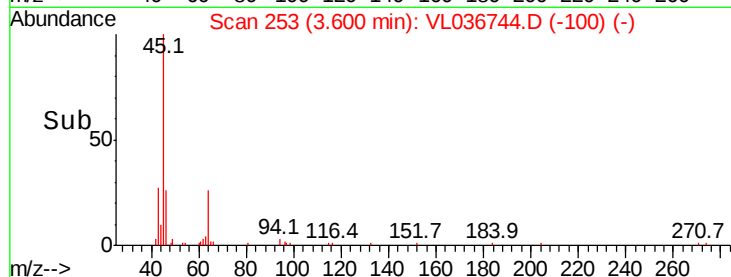
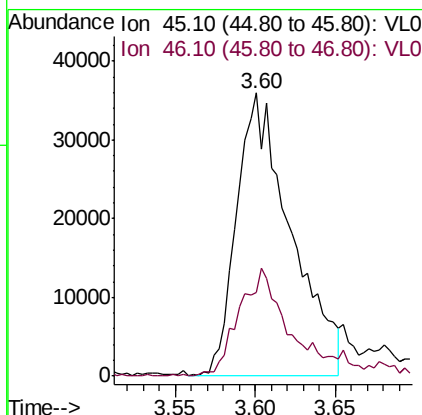
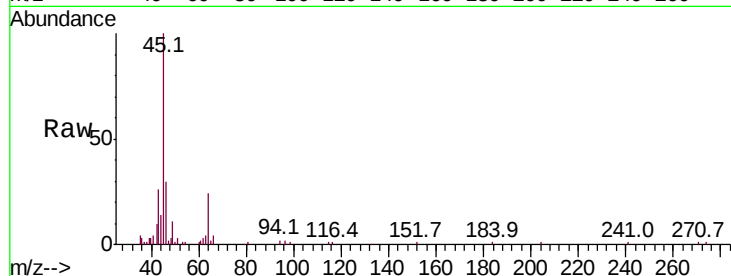
#13
Ethanol
Concen: 9.292 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.01 min
Lab File: VL036744.D
Acq: 8 Apr 2021 9:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.7	16.6	66.2

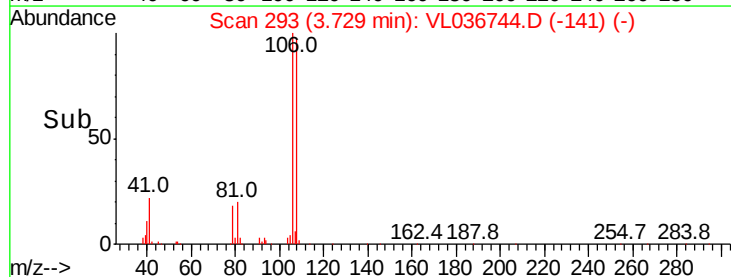
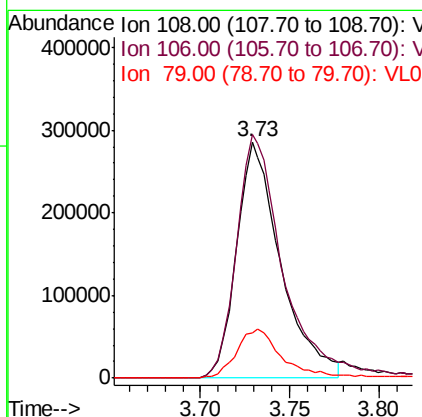
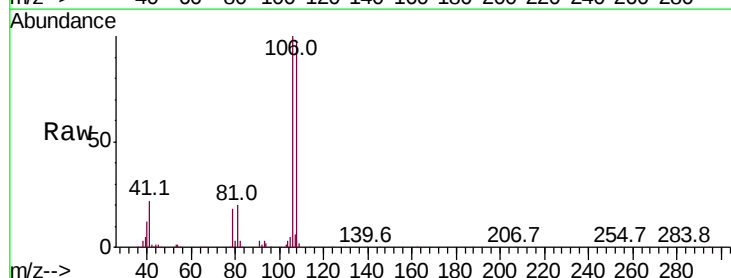
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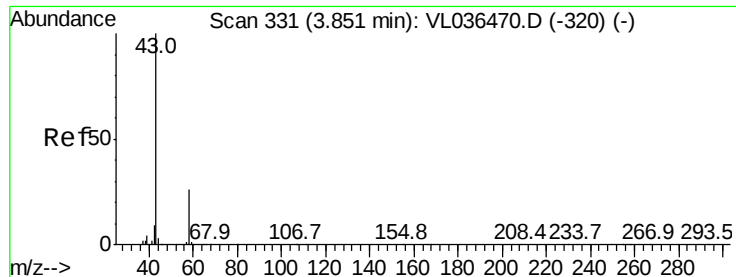
MMDadoda
4/12/2021 11:16:44 AM



#14
Bromoethene
Concen: 8.775 ppbv
RT: 3.73 min Scan# 293
Delta R.T. -0.01 min
Lab File: VL036744.D
Acq: 8 Apr 2021 9:01

Tgt Ion	Ratio	Lower	Upper
108	100		
106	111.5	89.0	133.6
79	22.7	16.6	25.0





#15

Acetone

Concen: 7.884 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 985557

Ion Ratio Lower Upper

43 100

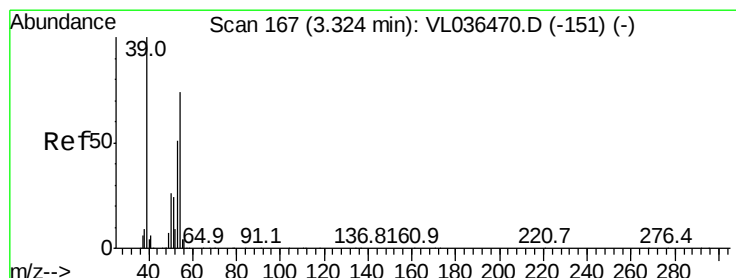
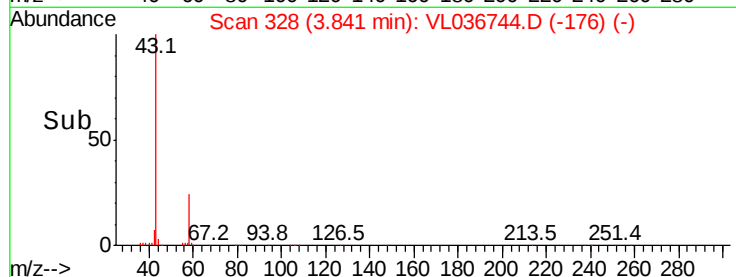
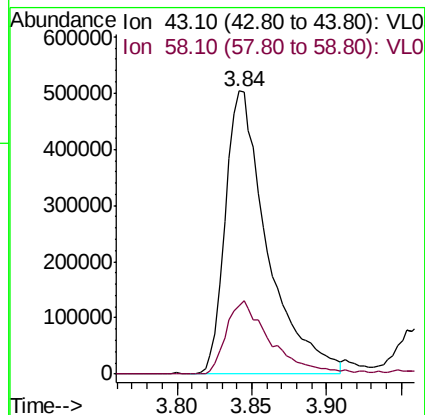
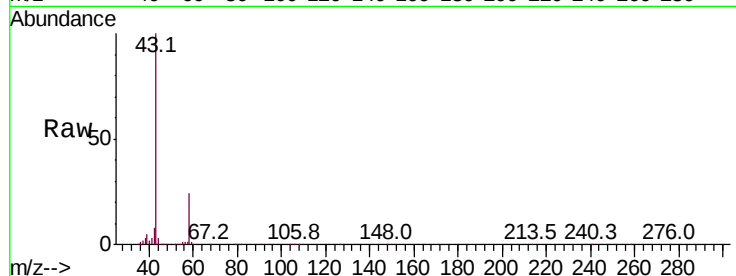
58 27.9 21.2 31.8

Manual Integrations

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#16

1,3-Butadiene

Concen: 9.302 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL036744.D

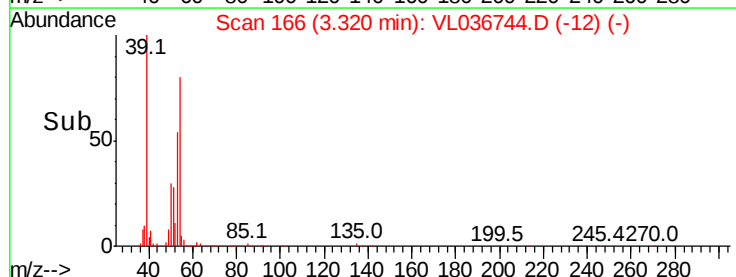
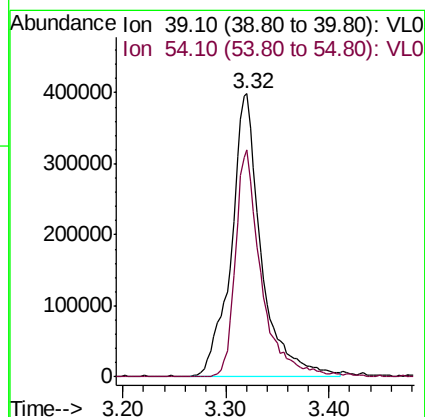
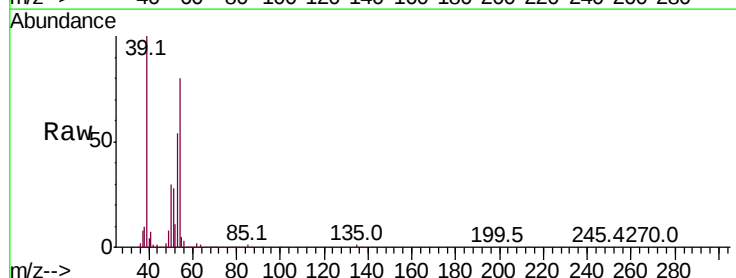
Acq: 8 Apr 2021 9:01

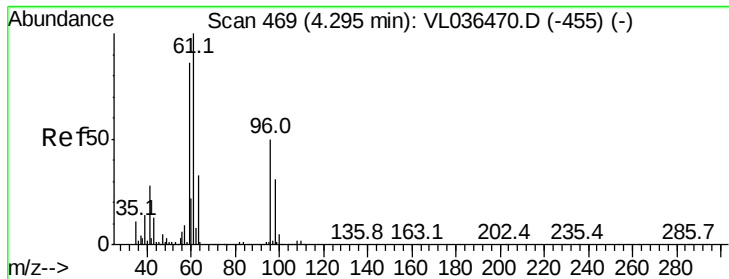
Tgt Ion: 39 Resp: 809516

Ion Ratio Lower Upper

39 100

54 69.8 58.8 88.2





#17

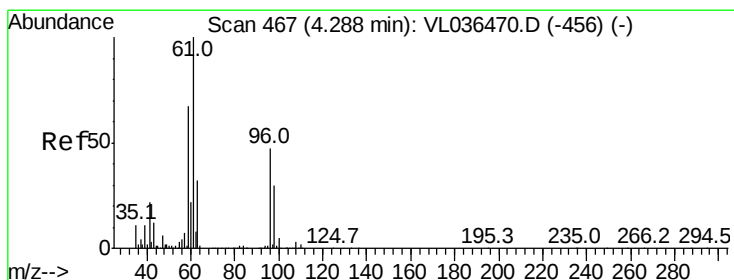
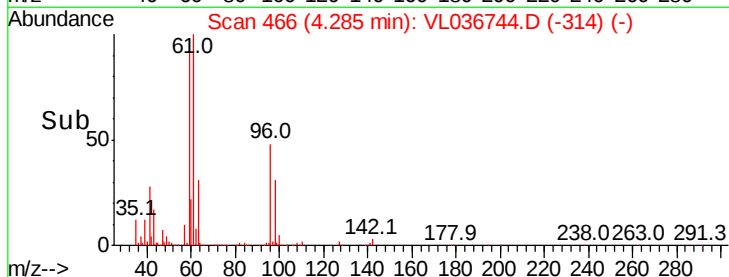
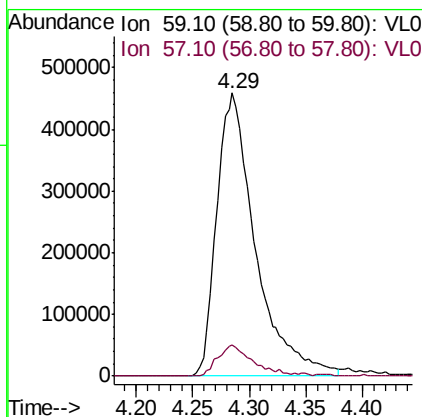
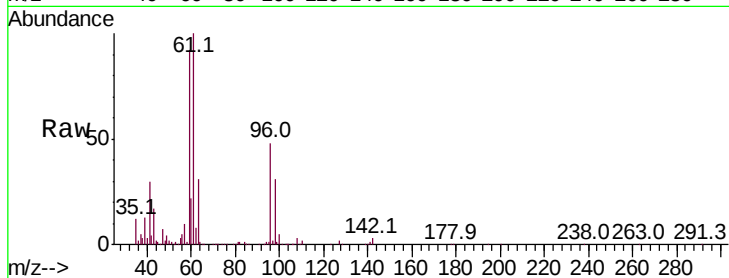
tert-Butyl alcohol
Concen: 9.965 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.01 min
Lab File: VL036744.D
Acq: 8 Apr 2021 9:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1084347
Ion Ratio Lower Upper
59 100
57 11.0 8.6 12.8

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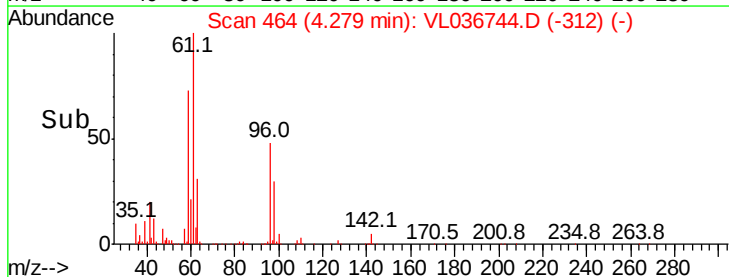
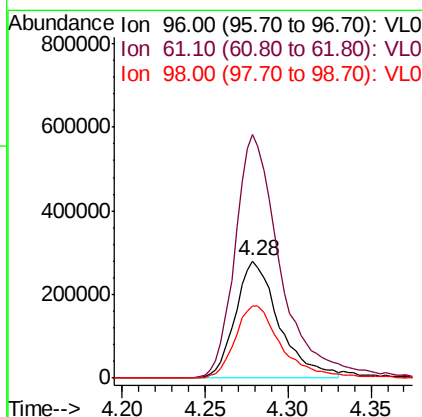
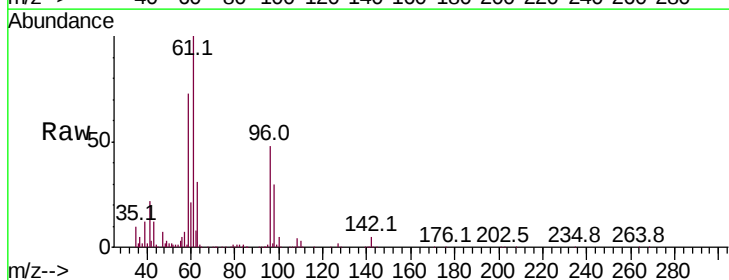
MMDadoda
4/12/2021 11:16:44 AM

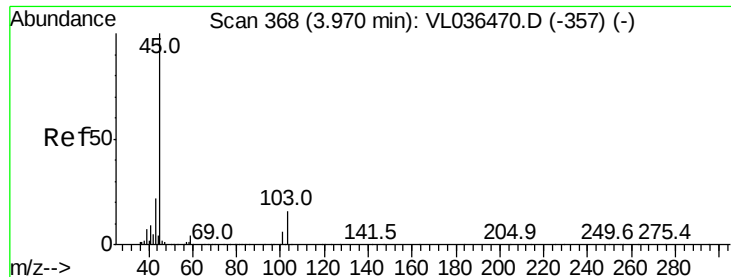


#18

1,1-Dichloroethene
Concen: 8.536 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.01 min
Lab File: VL036744.D
Acq: 8 Apr 2021 9:01

Tgt Ion: 96 Resp: 512464
Ion Ratio Lower Upper
96 100
61 207.3 168.6 253.0
98 61.4 50.8 76.2





#19

Isopropyl Alcohol

Concen: 8.621 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 592803

Ion Ratio Lower Upper

45 100

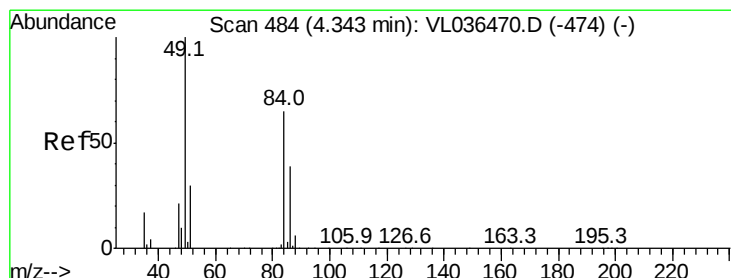
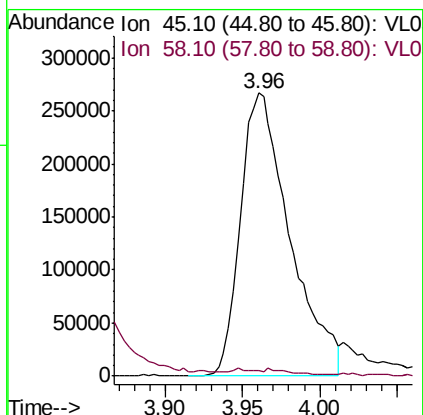
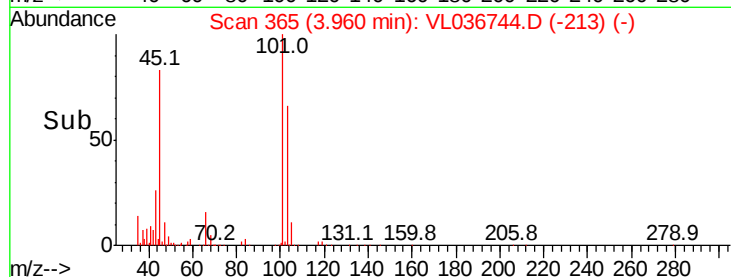
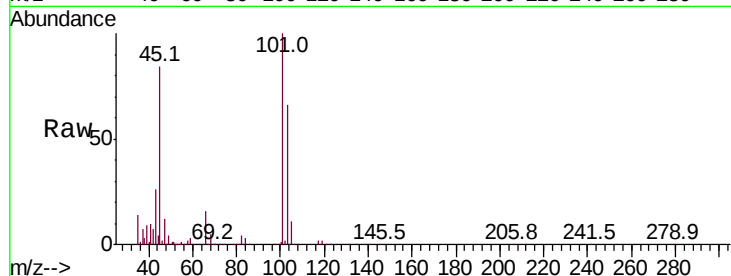
58 3.2 2.9 4.3

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#20

Methylene Chloride

Concen: 7.729 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

Tgt Ion: 84 Resp: 452377

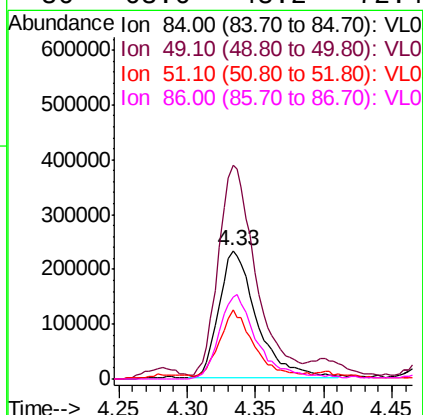
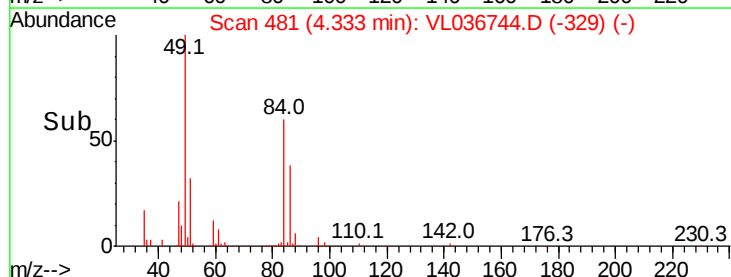
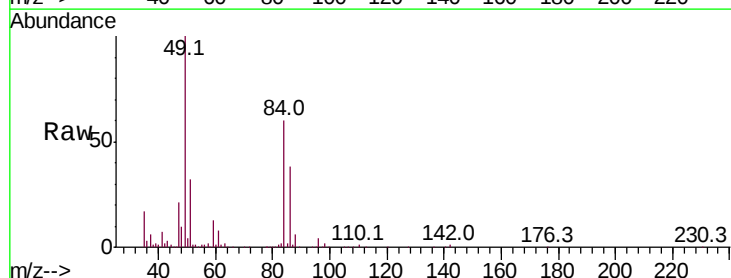
Ion Ratio Lower Upper

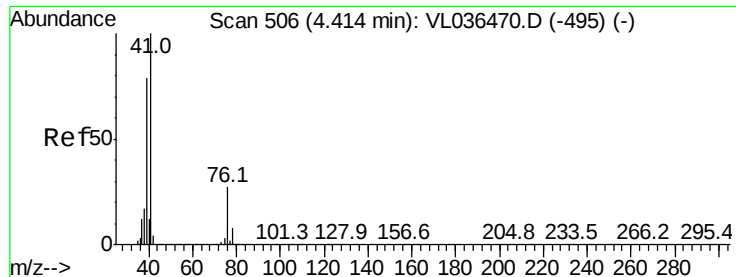
84 100

49 164.7 122.9 184.3

51 51.8 36.9 55.3

86 63.6 48.2 72.4





#21

Allvl Chloride

Concen: 8.833 ppbv

RT: 4.40 min Scan# 502

Delta R.T. -0.01 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

Instrument :

MSVOA_L

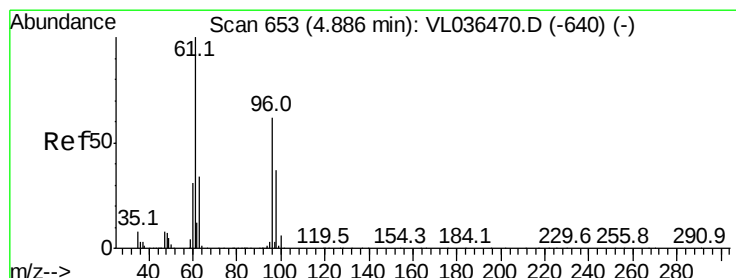
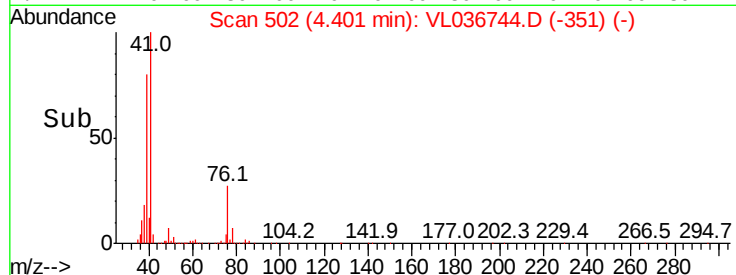
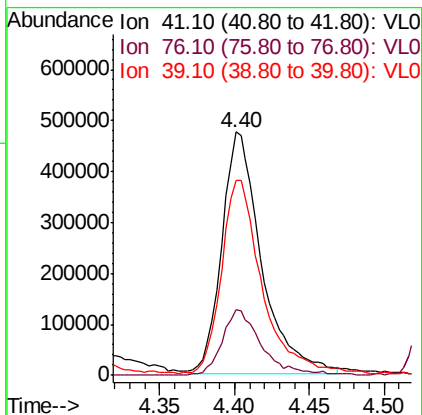
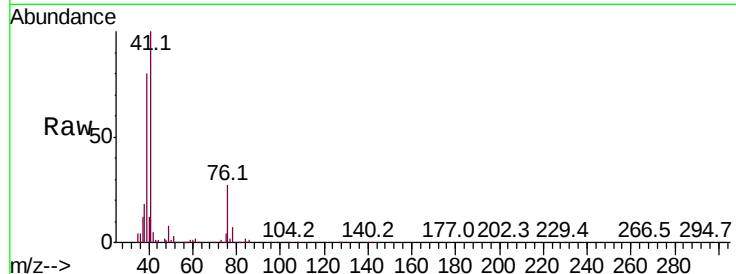
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	880213
Ion Ratio	Lower	Upper	
41	100		
76	26.9	22.9	34.3
39	82.1	67.3	100.9

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#22

trans-1,2-Dichloroethene

Concen: 8.983 ppbv

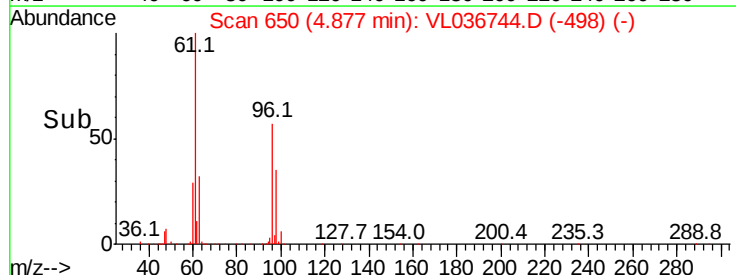
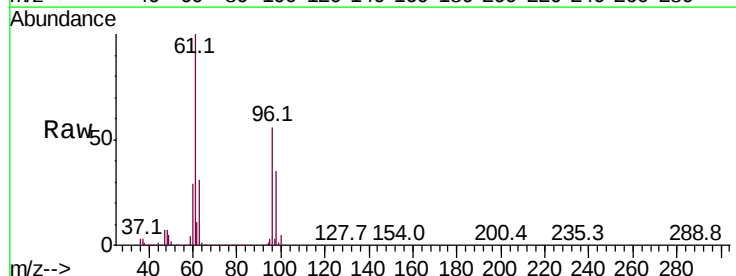
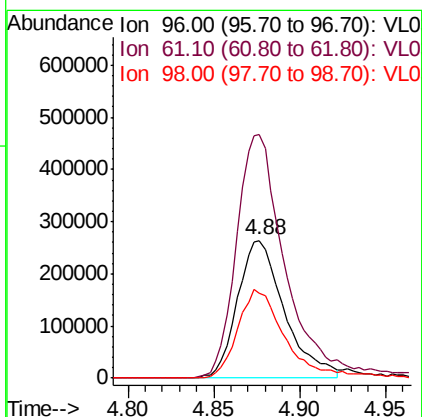
RT: 4.88 min Scan# 650

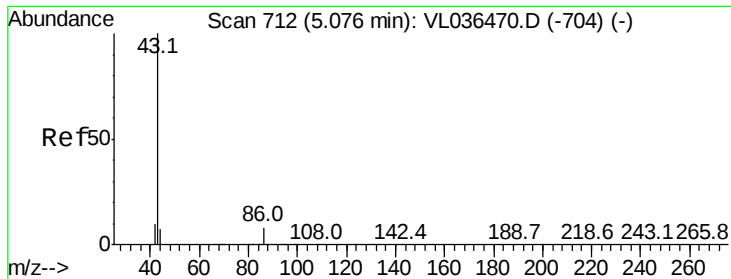
Delta R.T. -0.01 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

Tgt Ion:	96	Resp:	499992
Ion Ratio	Lower	Upper	
96	100		
61	177.0	129.4	194.0
98	61.6	48.2	72.4





#23

Vinyl Acetate

Concen: 9.340 ppbv

RT: 5.06 min Scan# 708

Delta R.T. -0.01 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1997077

Ion Ratio Lower Upper

43 100

86 7.2 5.4 8.0

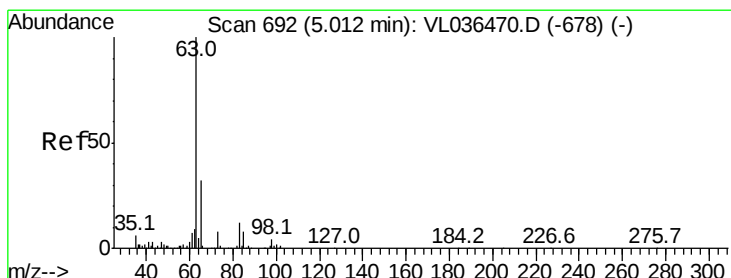
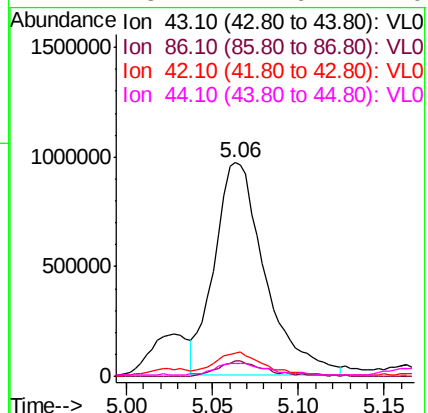
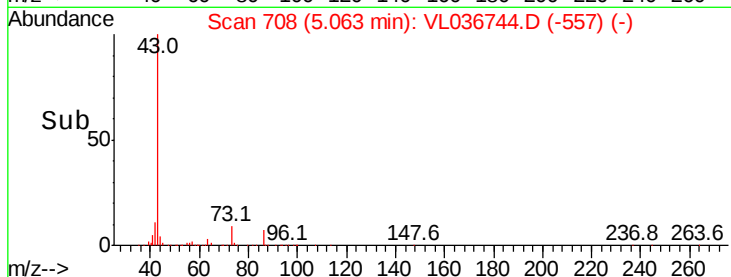
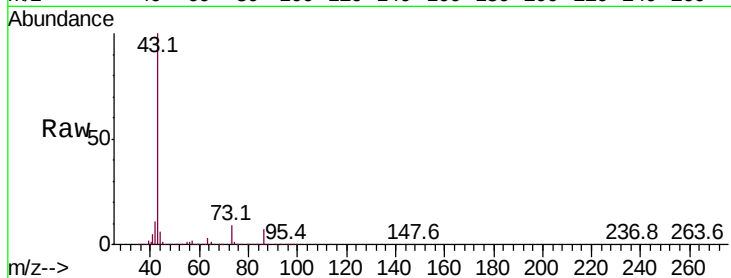
42 10.7 8.5 12.7

44 5.7 4.6 7.0

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#24

1,1-Dichloroethane

Concen: 8.924 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.01 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

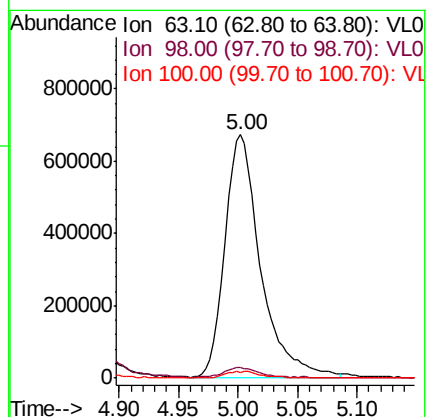
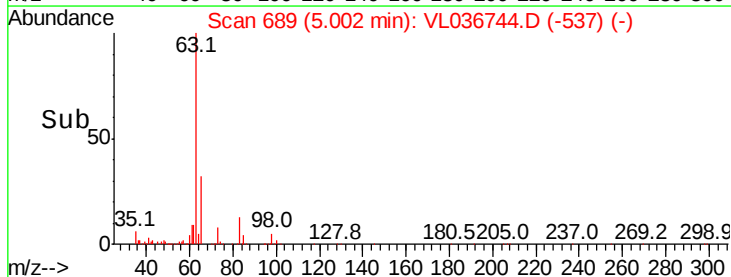
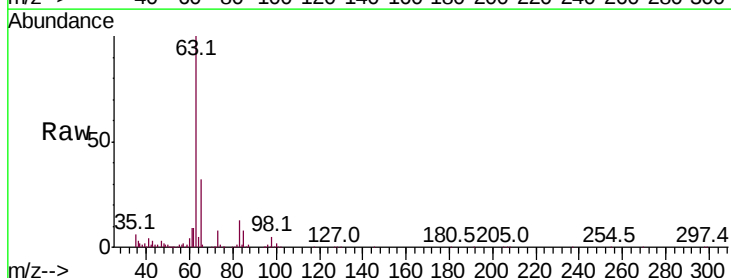
Tgt Ion: 63 Resp: 1390908

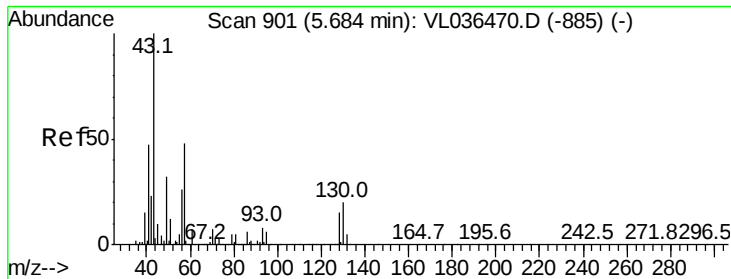
Ion Ratio Lower Upper

63 100

98 4.3 2.1 6.2

100 2.4 0.9 2.8





#25

Ethyl Acetate

Concen: 8.961 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.02 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2663108

Ion Ratio Lower Upper

43 100

45 9.6 7.9 11.9

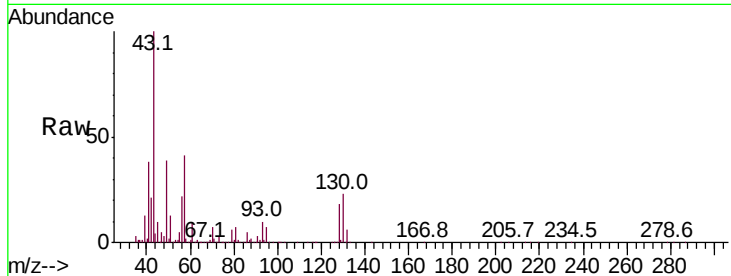
61 9.4 7.4 11.2

70 6.6 5.1 7.7

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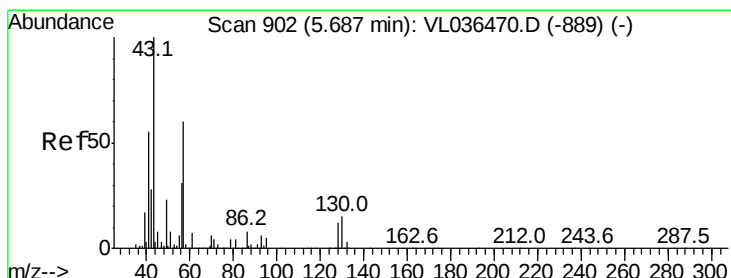
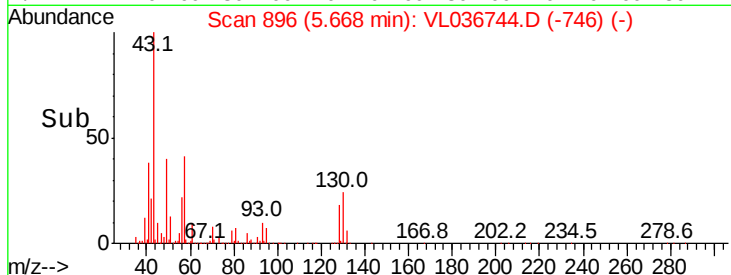
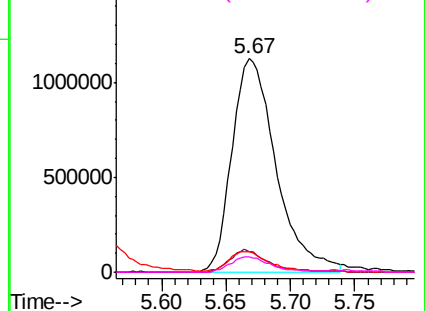


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.051 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

Tgt Ion: 57 Resp: 1248266

Ion Ratio Lower Upper

57 100

41 99.2 77.2 115.8

43 220.1 173.8 260.6

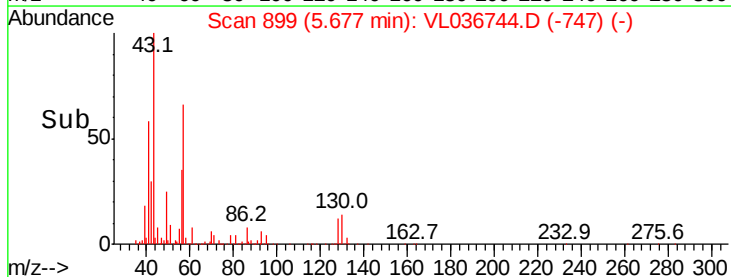
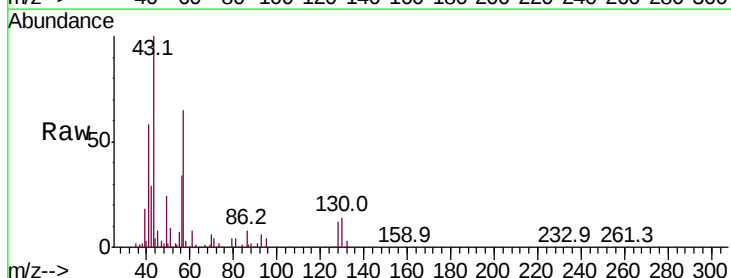
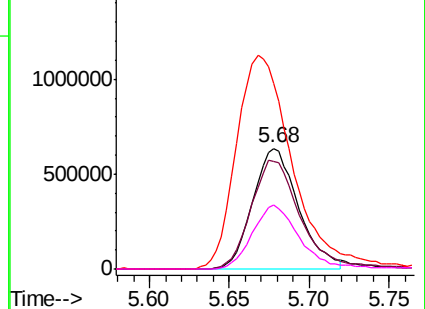
56 56.0 43.8 65.6

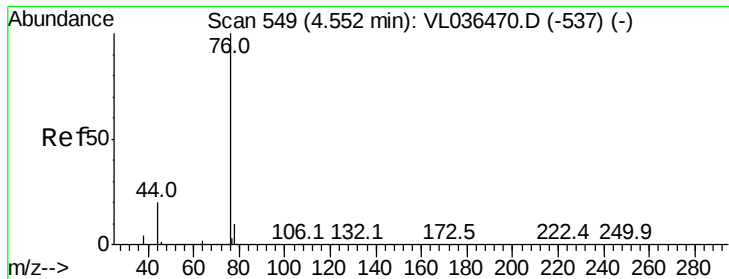
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.519 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.01 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

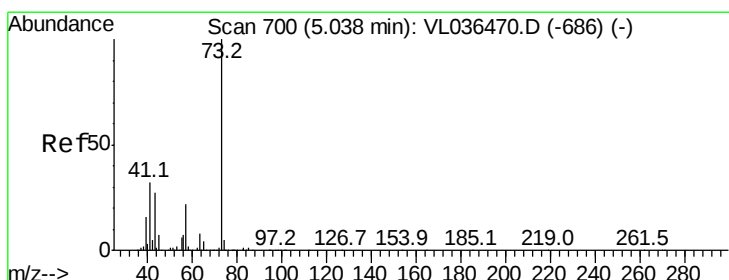
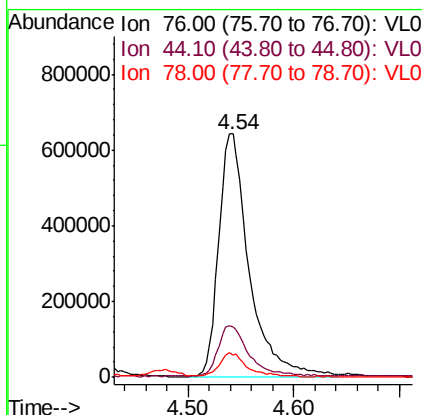
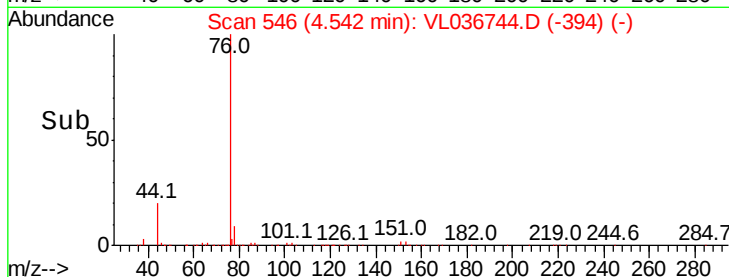
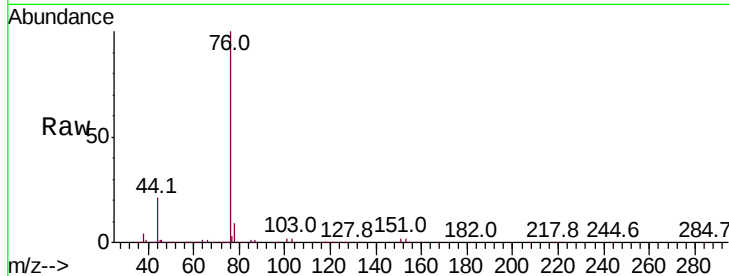
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 76 Resp: 1293307

Ion	Ratio	Lower	Upper
76	100		
44	20.9	17.5	26.3
78	9.6	8.6	13.0

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#28

Methyl tert-Butyl Ether

Concen: 8.821 ppbv

RT: 5.03 min Scan# 697

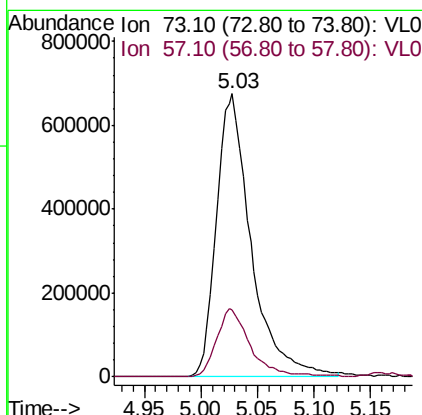
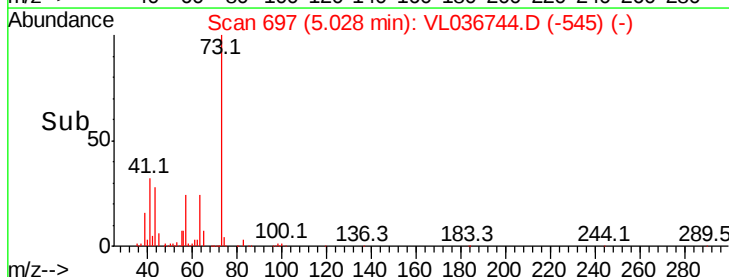
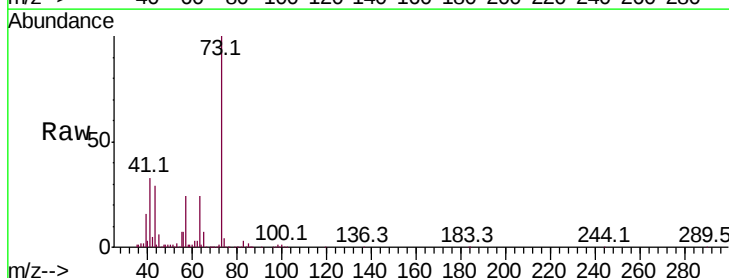
Delta R.T. -0.01 min

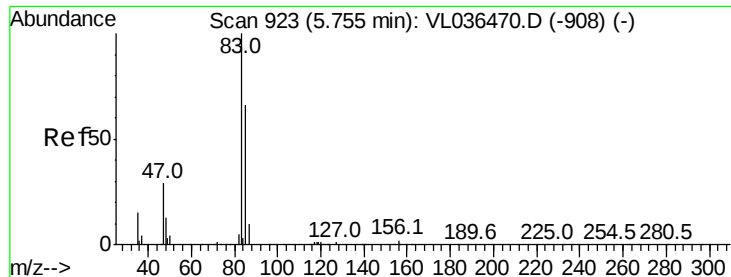
Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

Tgt Ion: 73 Resp: 1434674

Ion	Ratio	Lower	Upper
73	100		
57	23.8	18.5	27.7





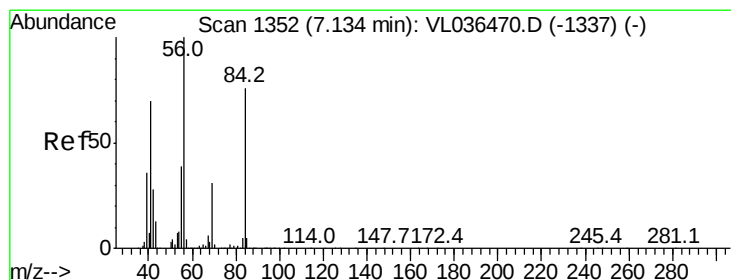
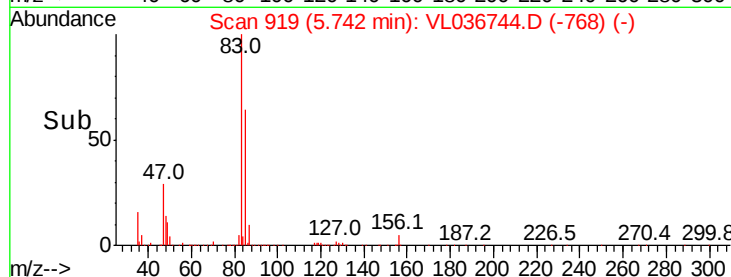
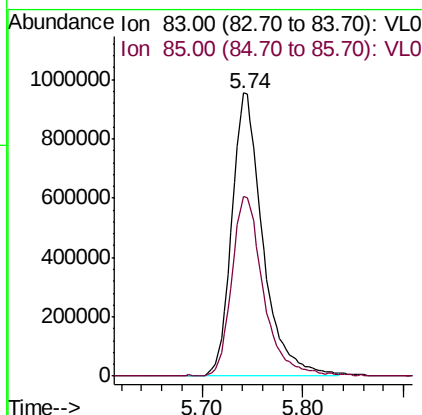
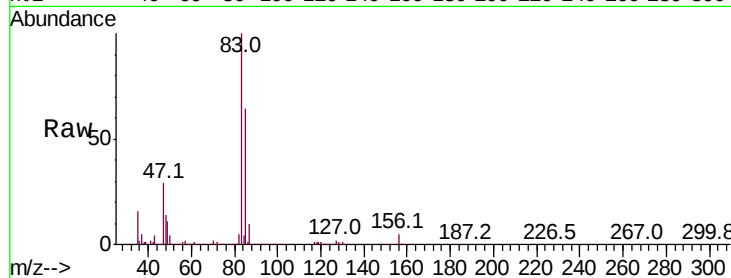
#29
Chloroform
Concen: 9.271 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.01 min
Lab File: VL036744.D
Acq: 8 Apr 2021 9:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2044944
Ion Ratio Lower Upper
83 100
85 63.0 52.6 78.8

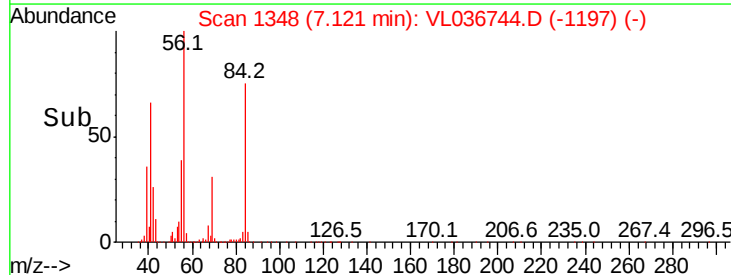
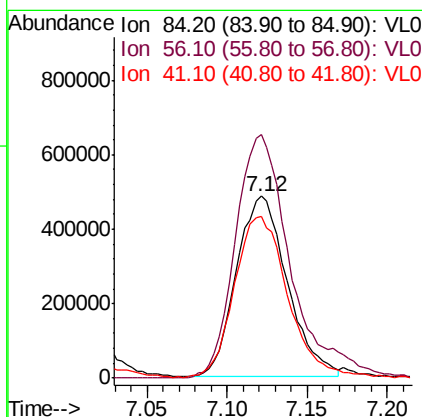
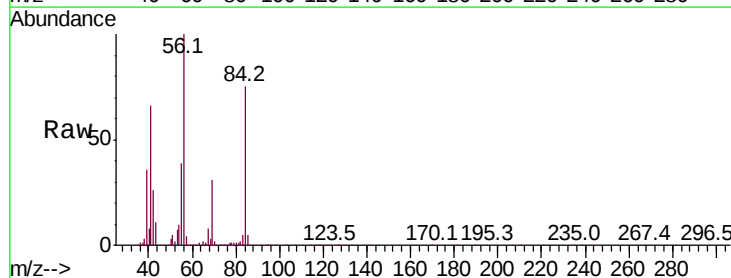
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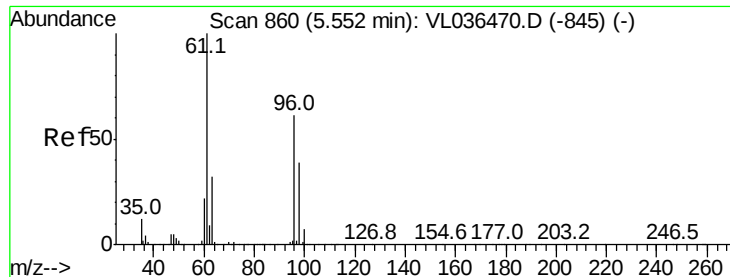
MMDadoda
4/12/2021 11:16:44 AM



#30
Cyclohexane
Concen: 9.482 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL036744.D
Acq: 8 Apr 2021 9:01

Tgt Ion: 84 Resp: 1060629
Ion Ratio Lower Upper
84 100
56 147.4 114.6 171.8
41 93.5 75.3 112.9





#31

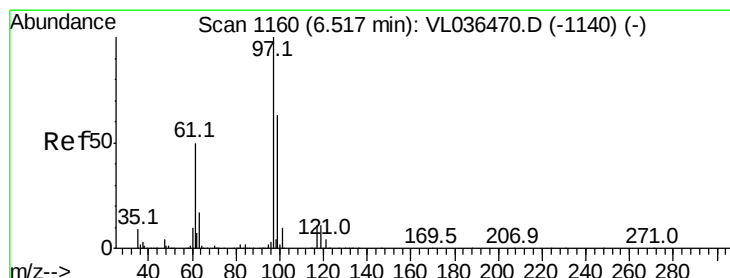
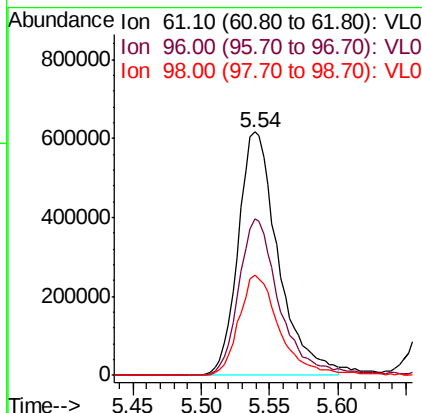
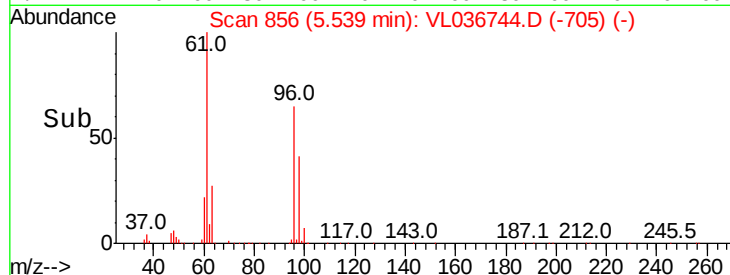
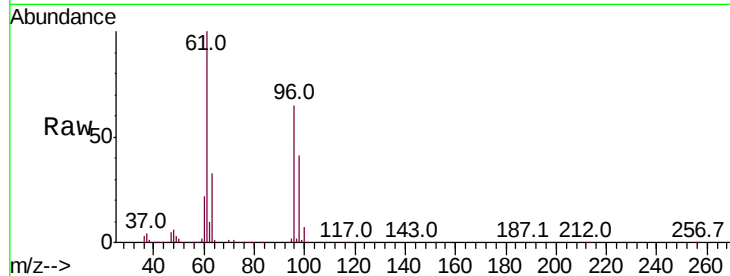
cis-1,2-Dichloroethene
 Concen: 9.411 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VL036744.D
 Acq: 8 Apr 2021 9:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	61	Resp	1255335
Ion	Ratio	Lower	Upper
61	100		
96	64.5	48.7	73.1
98	41.4	31.4	47.0

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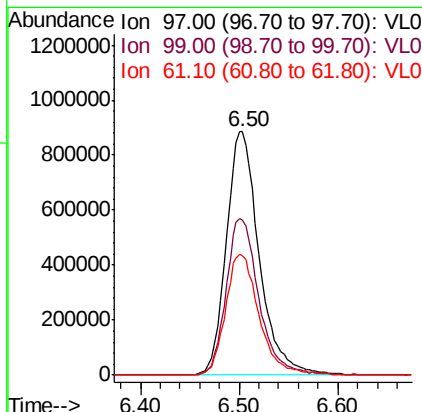
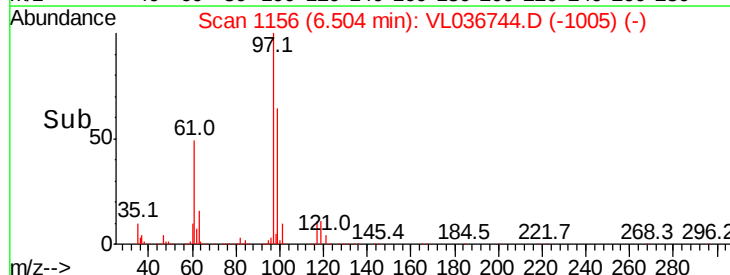
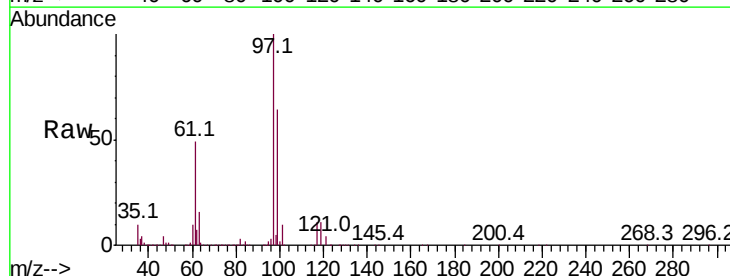
MMDadoda
 4/12/2021 11:16:44 AM

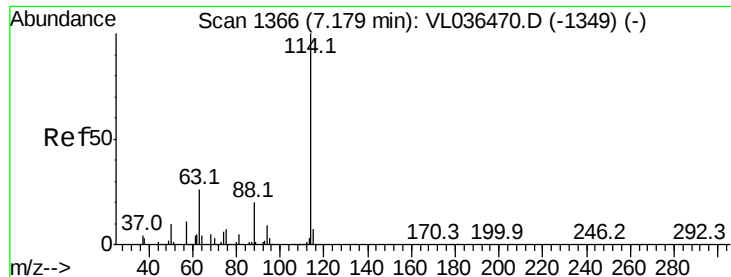


#32

1,1,1-Trichloroethane
 Concen: 9.272 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: VL036744.D
 Acq: 8 Apr 2021 9:01

Tgt Ion	97	Resp	2060925
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.0
61	50.9	40.6	60.8





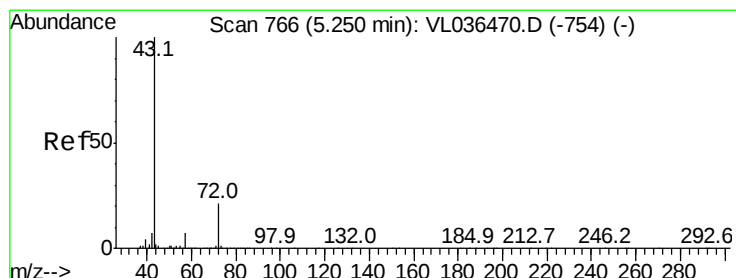
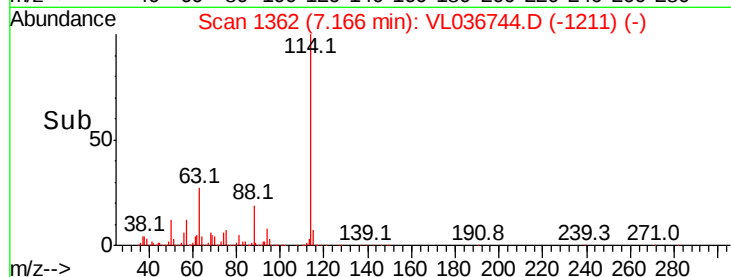
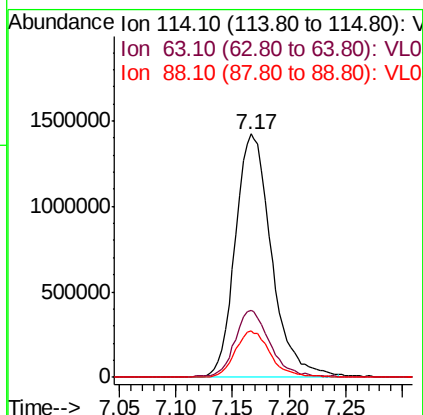
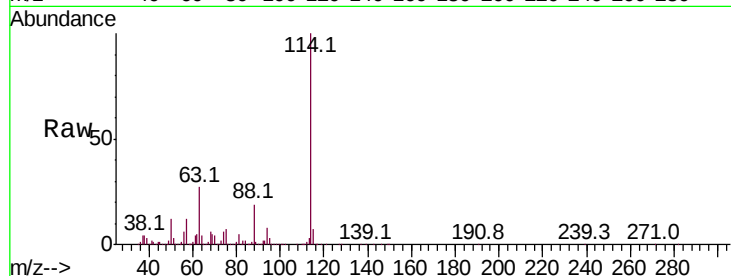
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VL036744.D
 Acq: 8 Apr 2021 9:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.4	33.6
88	18.7	15.4	23.0

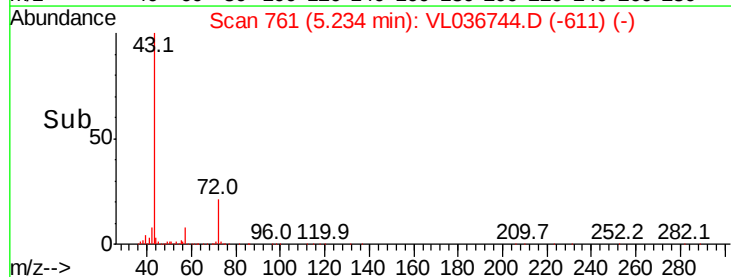
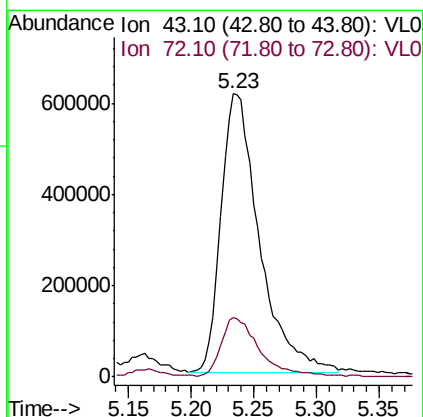
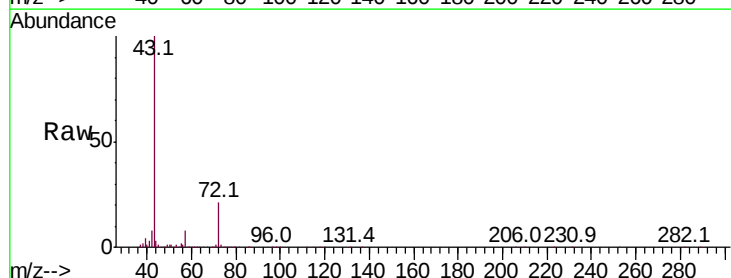
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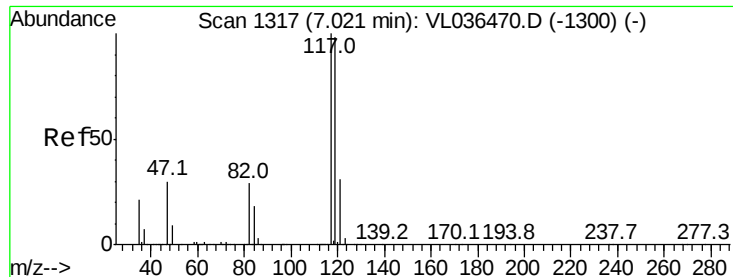
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#34
 2-Butanone
 Concen: 8.358 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.02 min
 Lab File: VL036744.D
 Acq: 8 Apr 2021 9:01

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.3	17.0	25.6





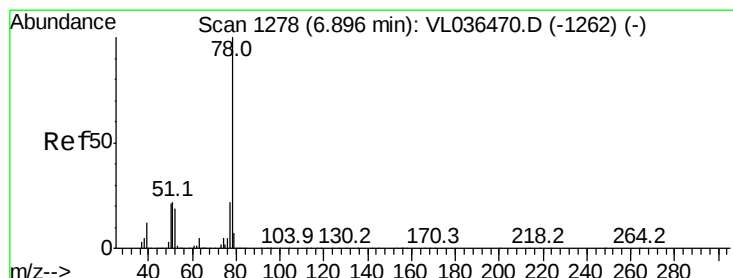
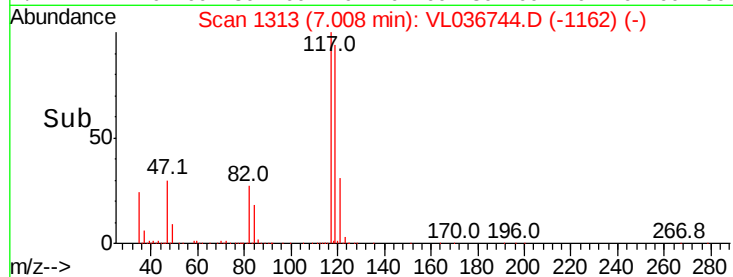
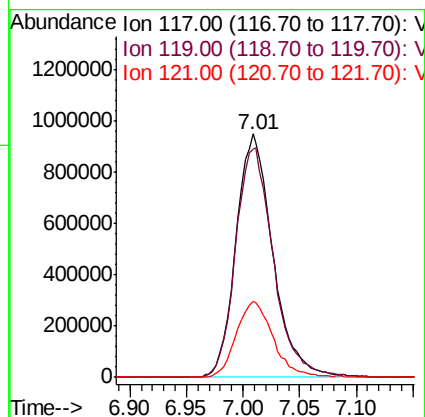
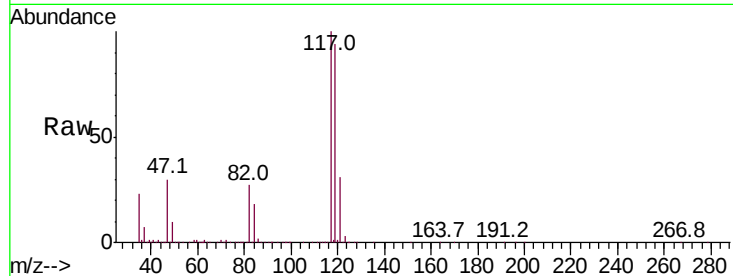
#35
Carbon Tetrachloride
Concen: 8.813 ppbv
RT: 7.01 min Scan# 1313
Delta R.T. -0.01 min
Lab File: VL036744.D
Acq: 8 Apr 2021 9:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.0	78.2	117.2
121	31.4	24.5	36.7

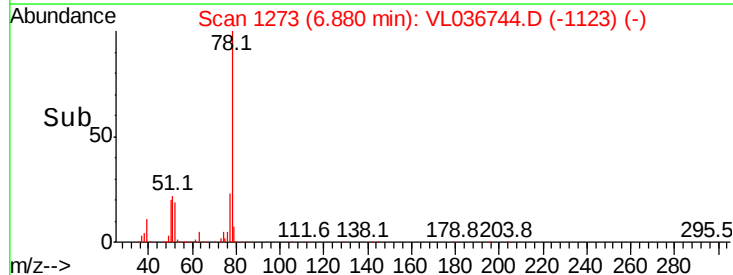
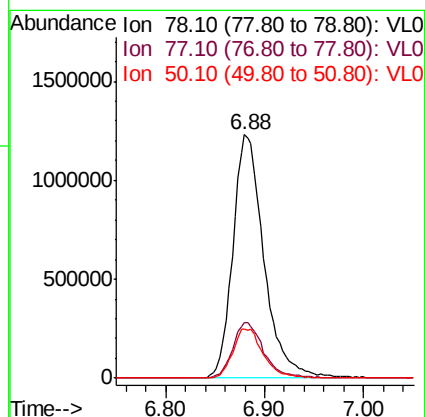
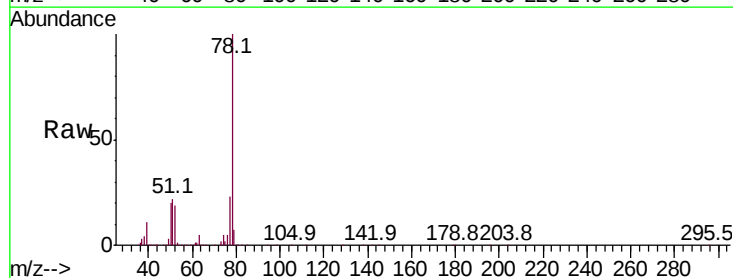
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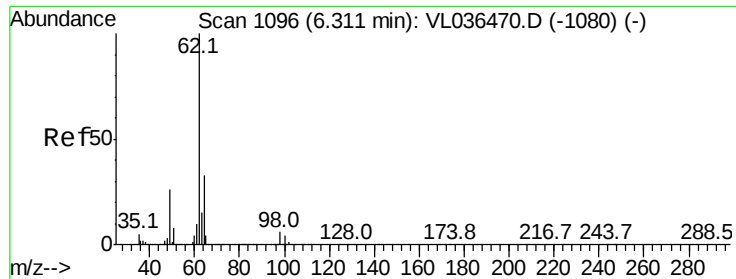
MMDadoda
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#36
Benzene
Concen: 9.174 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. -0.02 min
Lab File: VL036744.D
Acq: 8 Apr 2021 9:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.0	27.0
50	20.2	16.5	24.7





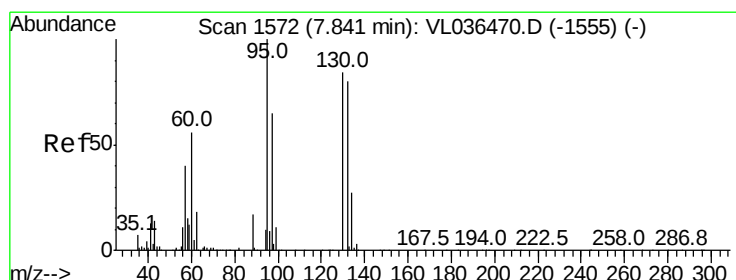
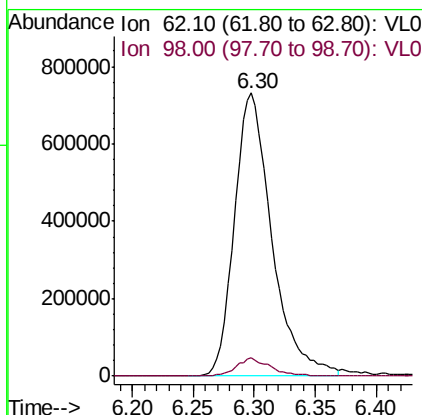
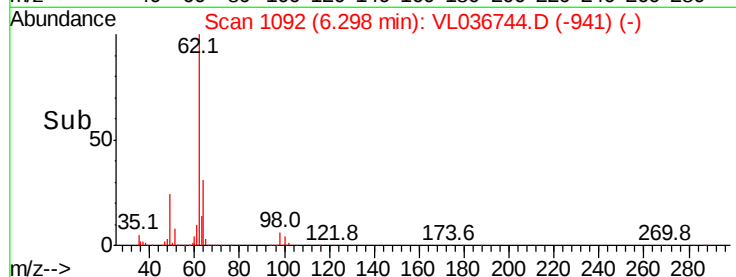
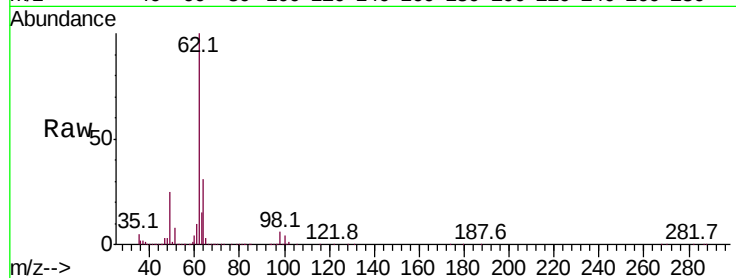
#37
 1,2-Dichloroethane
 Concen: 9.038 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. -0.01 min
 Lab File: VL036744.D
 Acq: 8 Apr 2021 9:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.2	4.9	7.3

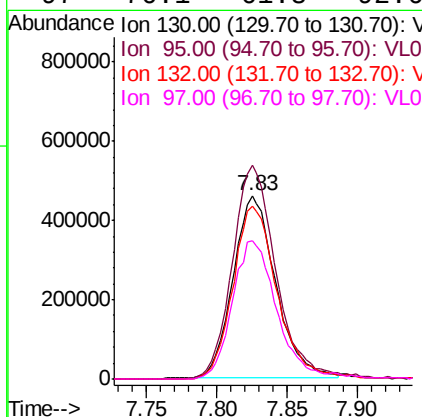
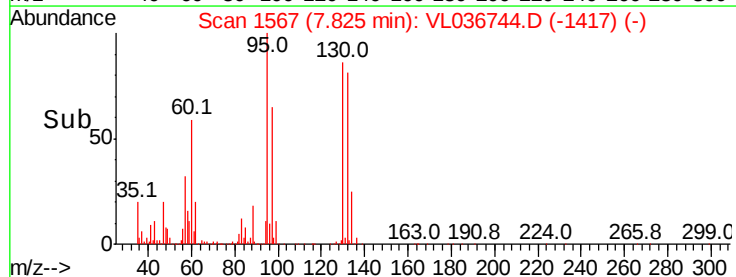
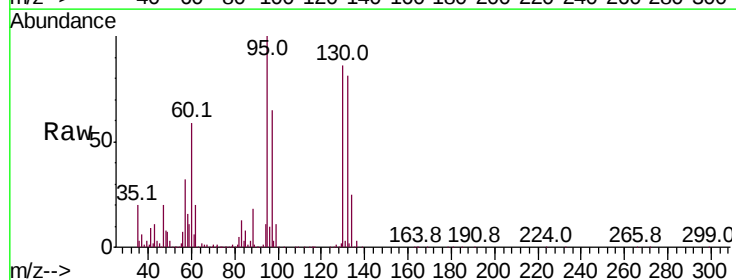
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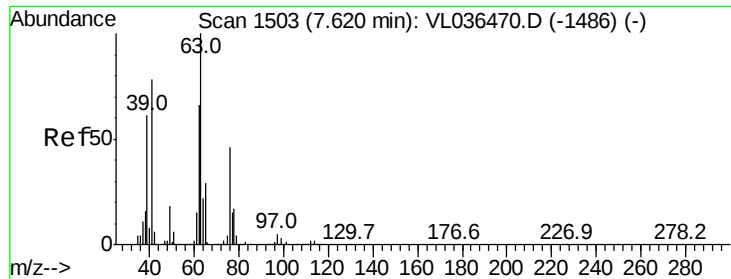
MMDadoda
 4/12/2021 11:16:44 AM



#38
 Trichloroethene
 Concen: 8.494 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: VL036744.D
 Acq: 8 Apr 2021 9:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	116.9	95.7	143.5
132	94.7	76.2	114.4
97	76.1	61.8	92.6





#39

1,2-Dichloropropane

Concen: 8.884 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. -0.01 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 63 Resp: 1055889

Ion Ratio Lower Upper

63 100

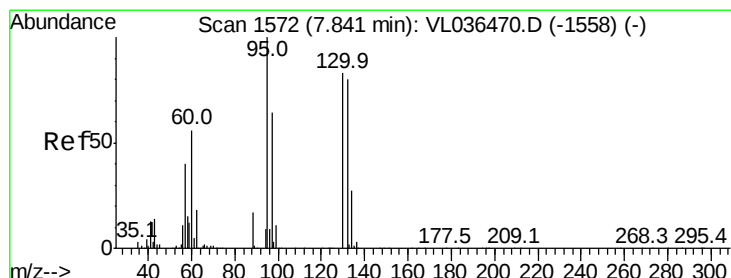
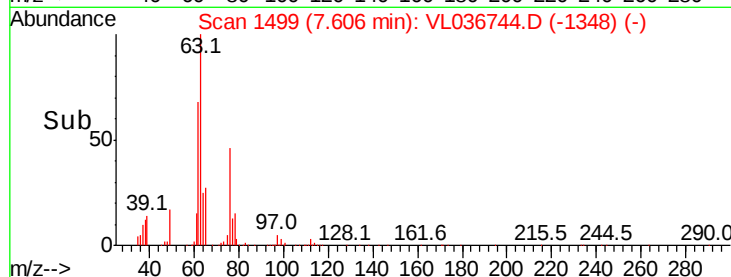
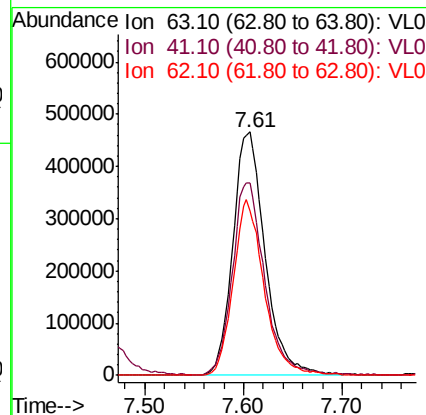
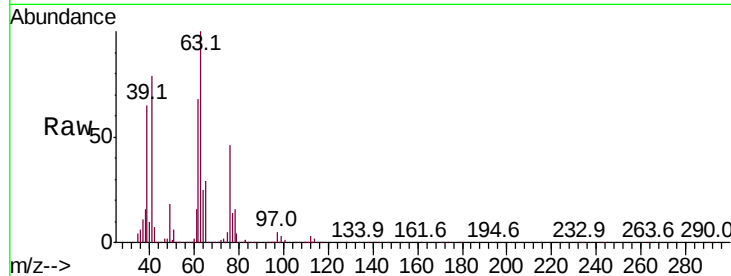
41 78.9 62.4 93.6

62 67.6 52.8 79.2

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#40

1,4-Dioxane

Concen: 8.900 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. -0.02 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

Tgt Ion: 88 Resp: 246188

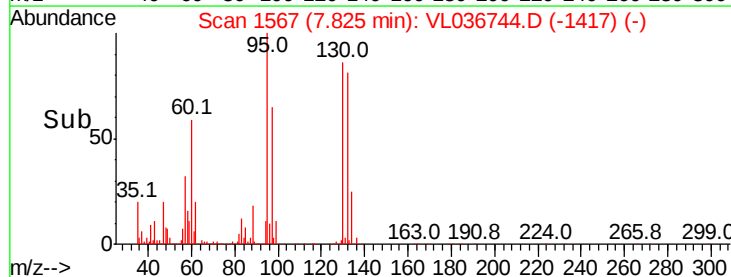
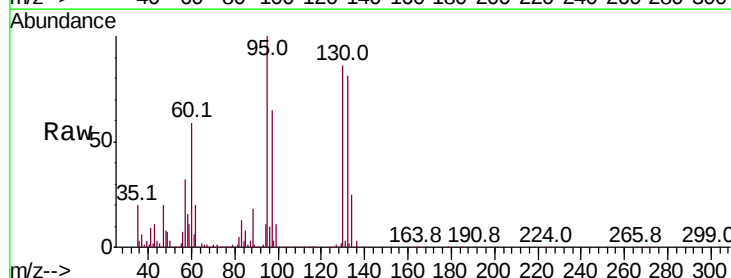
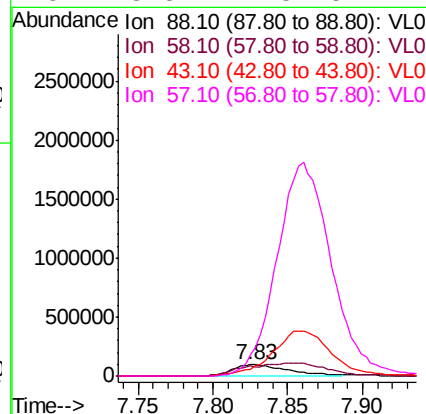
Ion Ratio Lower Upper

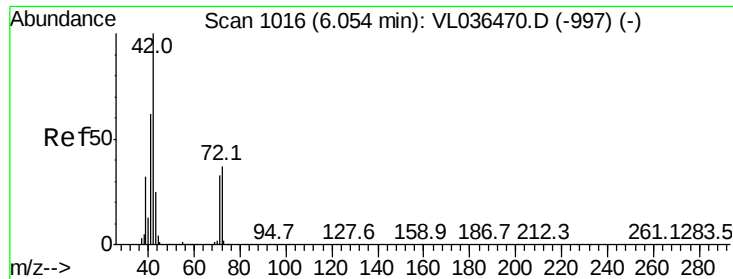
88 100

58 170.8 134.1 201.1

43 422.2 346.6 520.0

57 1875.1 1481.8 2222.8





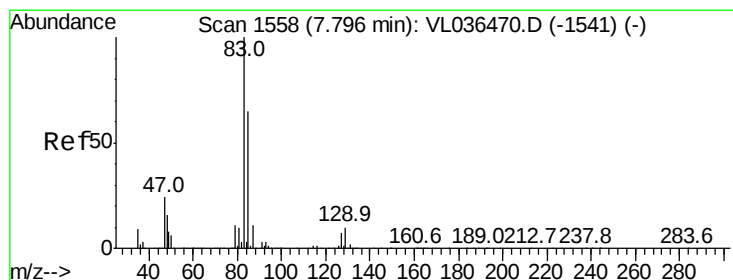
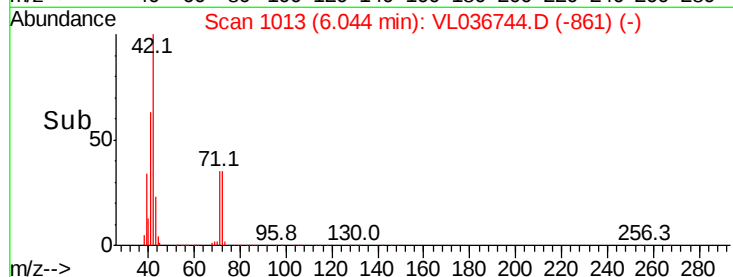
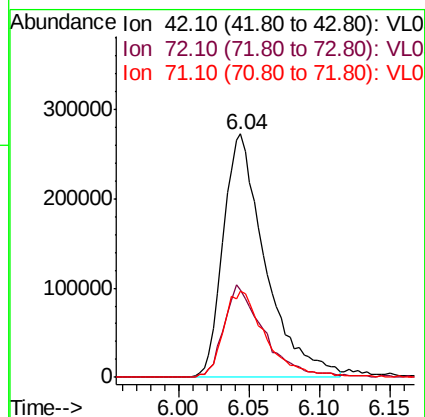
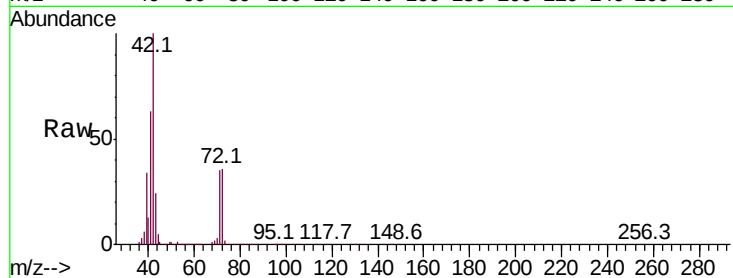
#41
Tetrahydrofuran
Concen: 7.911 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VL036744.D
Acq: 8 Apr 2021 9:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Resp Lower	Upper
42	100		
72	37.0	27.6	41.4
71	36.2	27.0	40.4

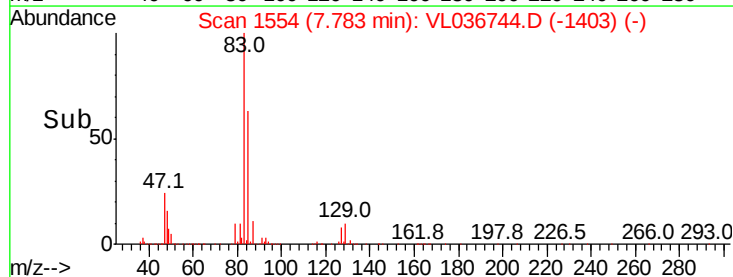
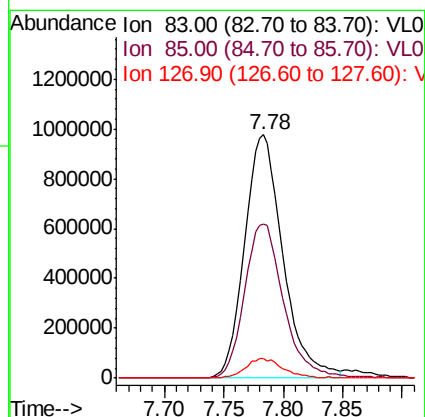
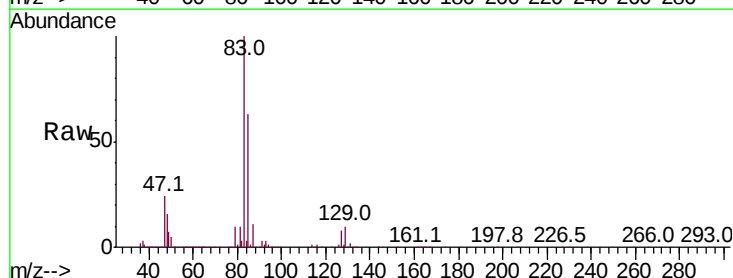
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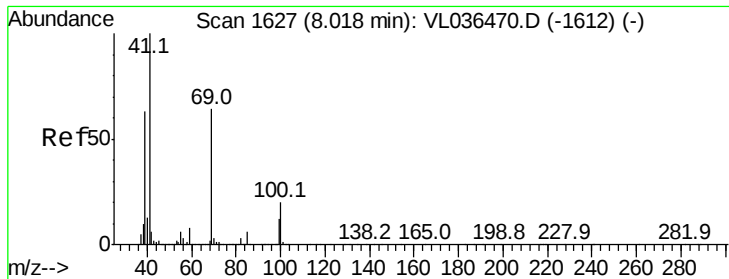
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#42
Bromodichloromethane
Concen: 9.295 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VL036744.D
Acq: 8 Apr 2021 9:01

Tgt Ion	Ratio	Resp Lower	Upper
83	100		
85	63.2	51.8	77.6
127	8.2	5.8	8.8





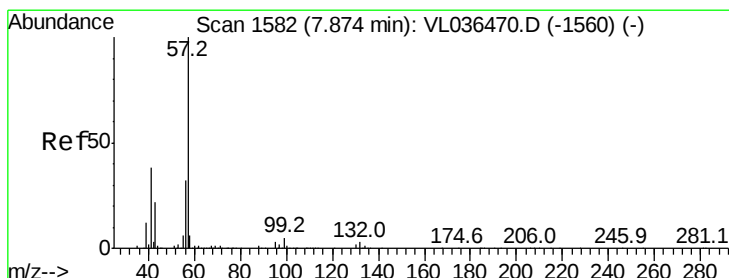
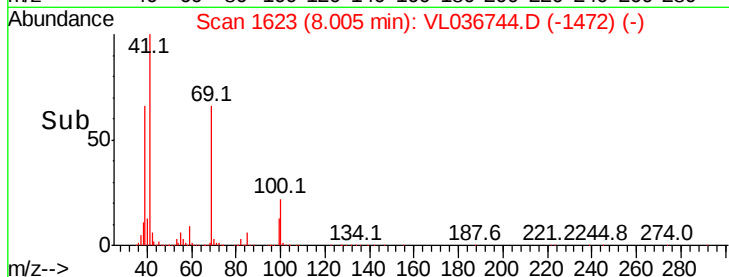
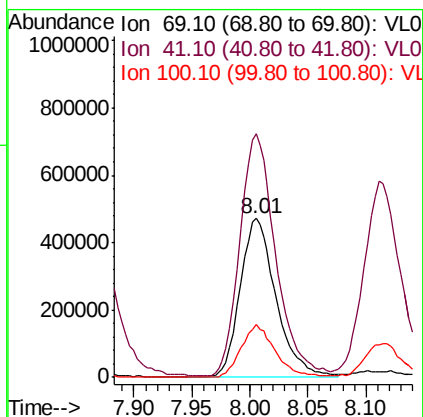
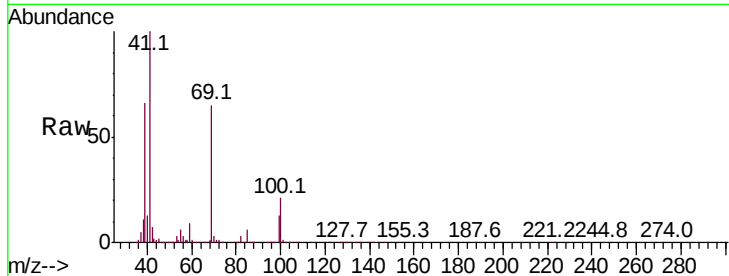
#43
Methvl Methacrylate
Concen: 10.341 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. -0.01 min
Lab File: VL036744.D
Acq: 8 Apr 2021 9:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1017425
Ion Ratio Lower Upper
69 100
41 153.9 126.8 190.2
100 31.5 24.9 37.3

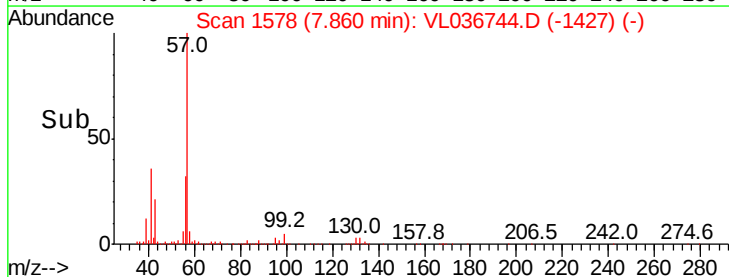
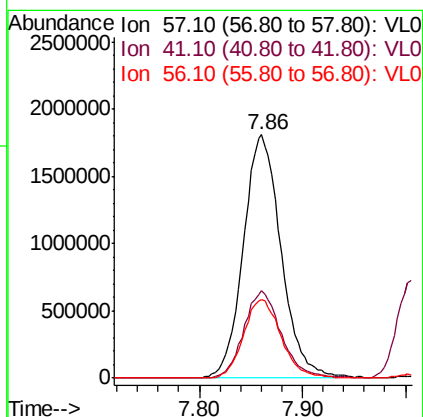
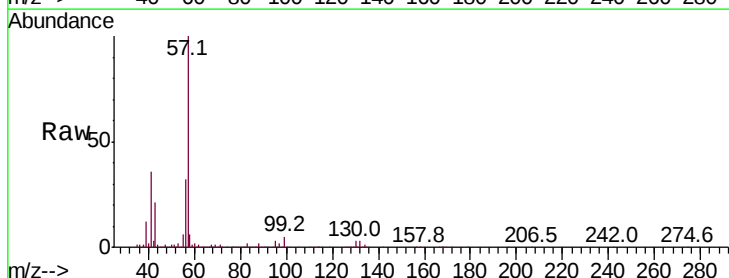
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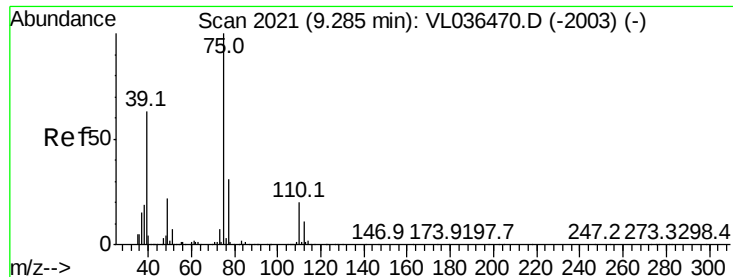
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 8.908 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.01 min
Lab File: VL036744.D
Acq: 8 Apr 2021 9:01

Tgt Ion: 57 Resp: 4593484
Ion Ratio Lower Upper
57 100
41 35.4 28.8 43.2
56 32.3 26.1 39.1





#45

t-1,3-Dichloropropene

Concen: 8.961 ppbv

RT: 9.27 min Scan# 2016

Delta R.T. -0.02 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 1006731

Ion Ratio Lower Upper

75 100

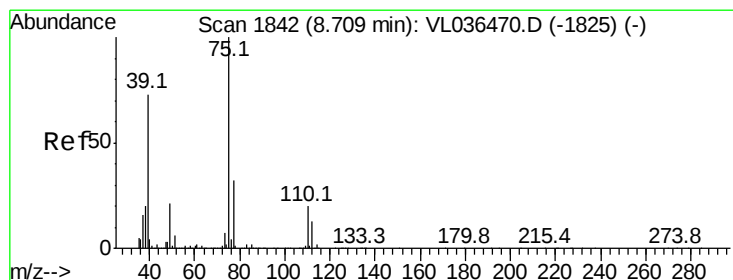
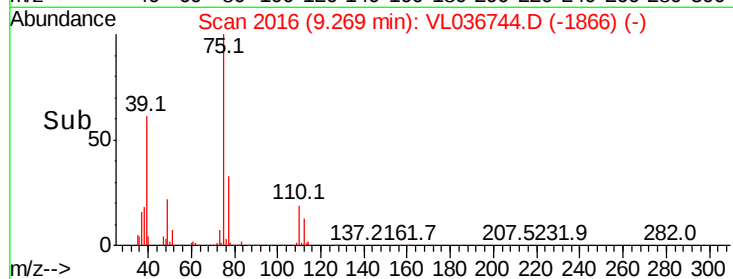
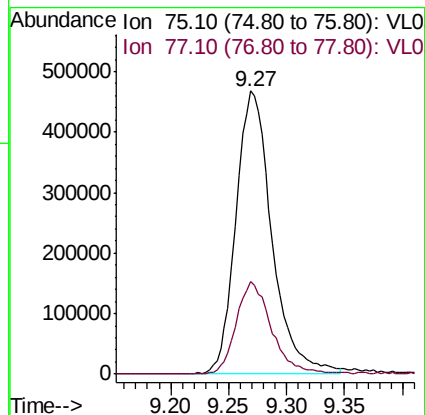
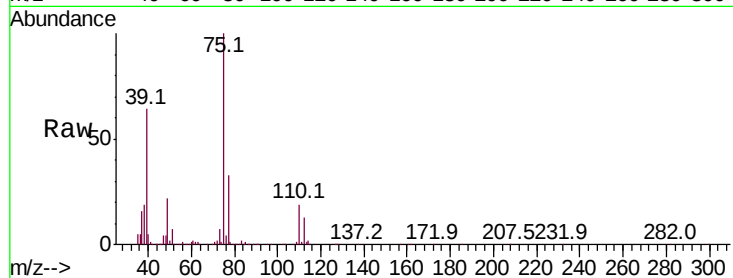
77 32.7 25.1 37.7

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4/12/2021 11:16:44 AM



#46

cis-1,3-Dichloropropene

Concen: 8.869 ppbv

RT: 8.70 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

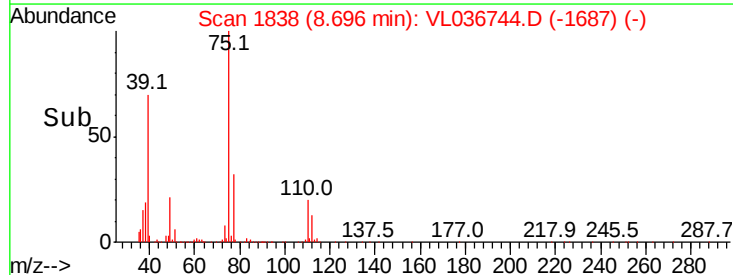
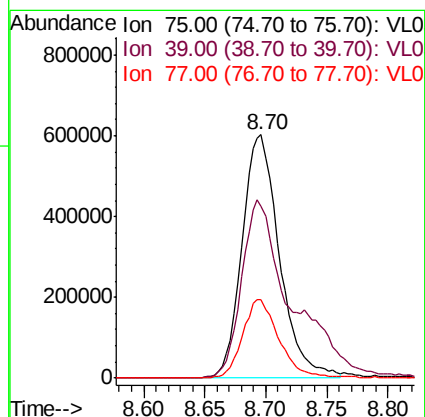
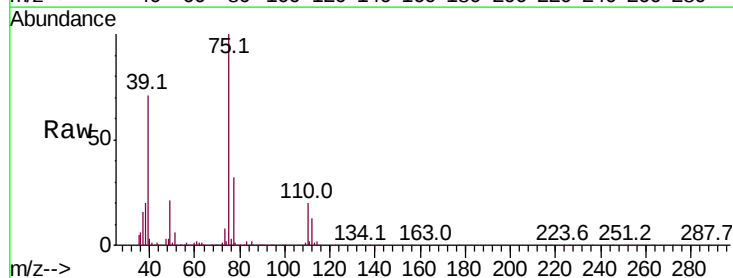
Tgt Ion: 75 Resp: 1273670

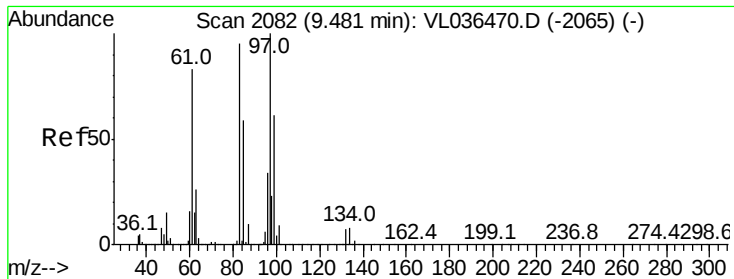
Ion Ratio Lower Upper

75 100

39 70.4 58.2 87.2

77 32.4 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 9.040 ppbv

RT: 9.47 min Scan# 2078

Delta R.T. -0.01 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 97 Resp: 1088270

Ion Ratio Lower Upper

97 100

83 91.2 75.8 113.8

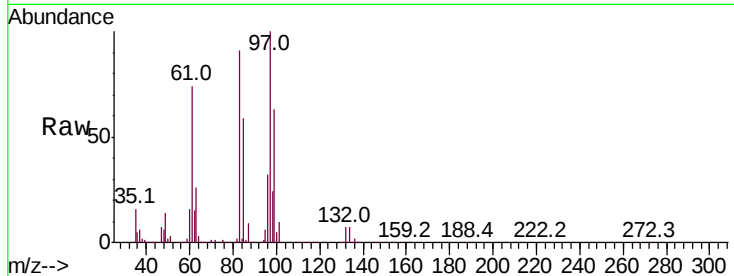
85 58.8 47.1 70.7

99 63.1 49.2 73.8

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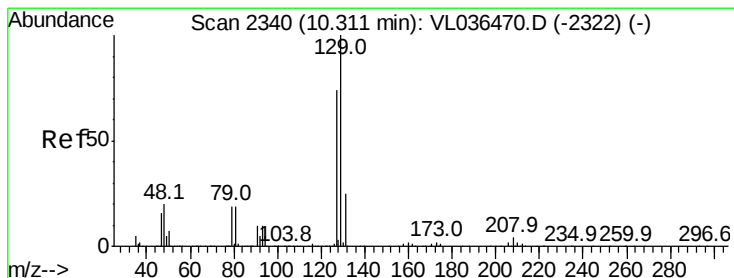
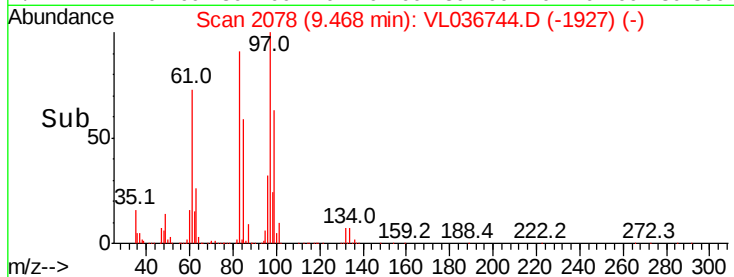
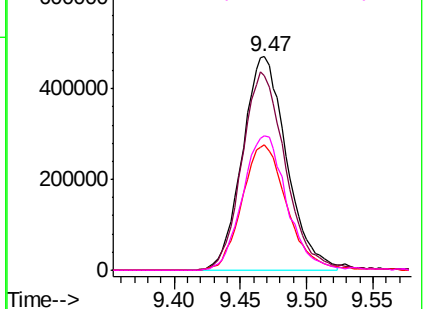


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 9.924 ppbv

RT: 10.29 min Scan# 2335

Delta R.T. -0.02 min

Lab File: VL036744.D

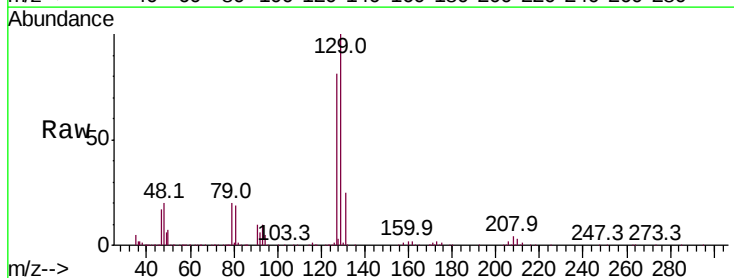
Acq: 8 Apr 2021 9:01

Tgt Ion: 129 Resp: 1821292

Ion Ratio Lower Upper

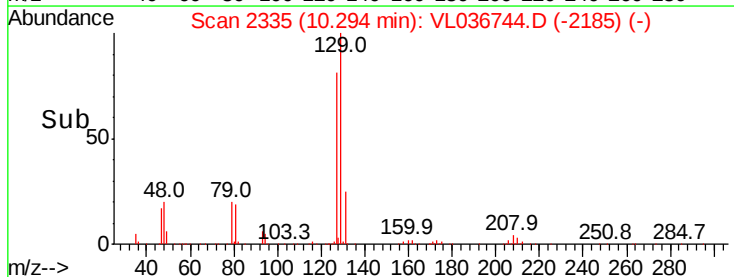
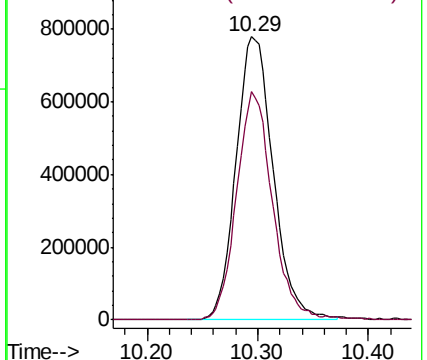
129 100

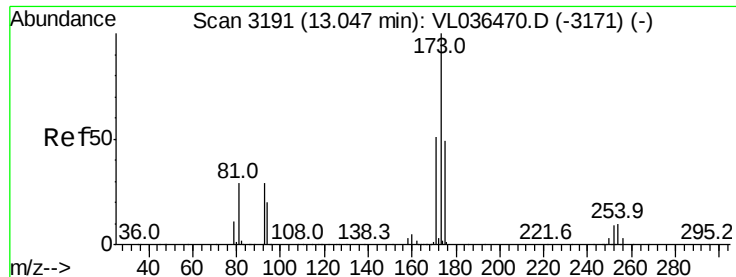
127 78.3 39.6 118.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.144 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. -0.01 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1499925

Ion Ratio Lower Upper

173 100

175 50.0 39.6 59.4

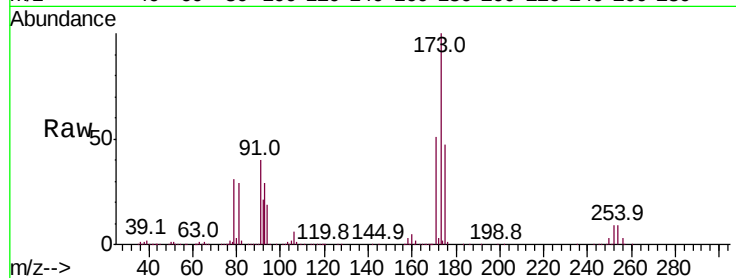
171 52.2 41.4 62.0

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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

13.03

600000

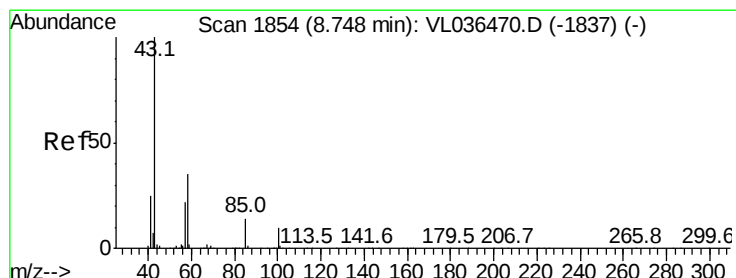
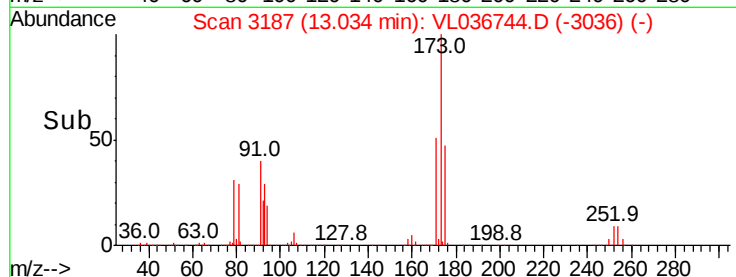
400000

200000

0

13.00 13.10

Time-->



#50

4-Methyl-2-Pentanone

Concen: 8.732 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.01 min

Lab File: VL036744.D

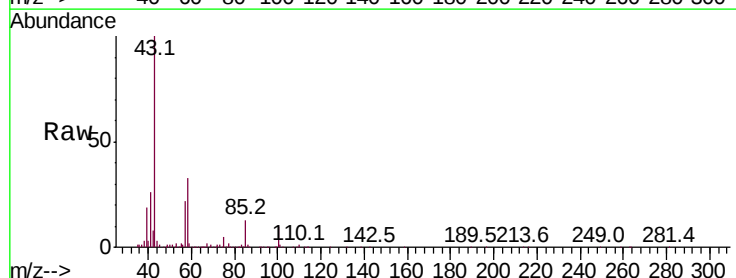
Acq: 8 Apr 2021 9:01

Tgt Ion: 43 Resp: 1959357

Ion Ratio Lower Upper

43 100

58 34.9 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

8.74

800000

600000

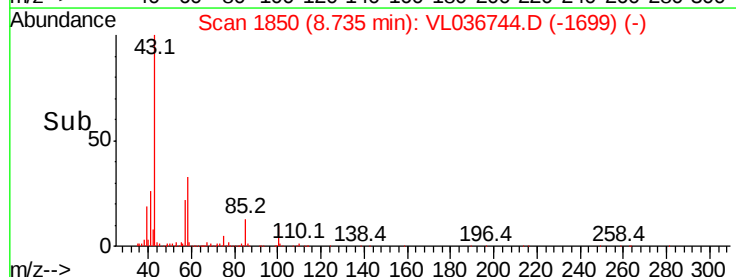
400000

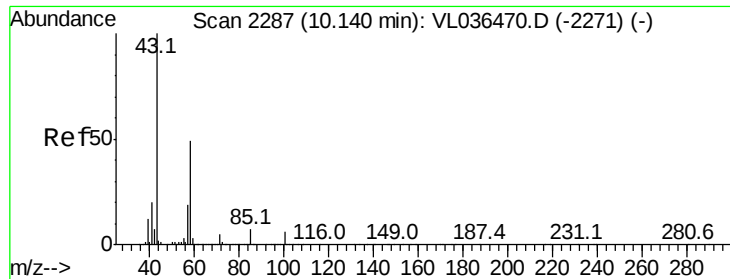
200000

0

8.65 8.70 8.75 8.80 8.85

Time-->





#51

2-Hexanone

Concen: 9.389 ppbv

RT: 10.13 min Scan# 2284

Delta R.T. -0.01 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1063210

Ion Ratio Lower Upper

43 100

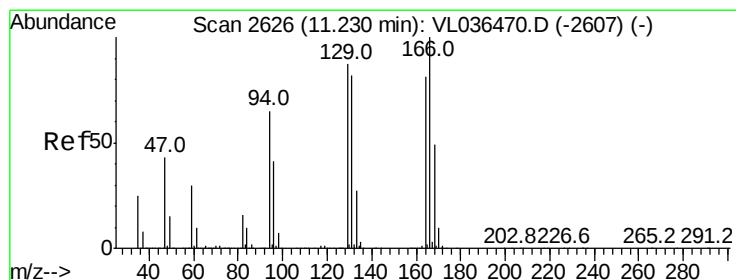
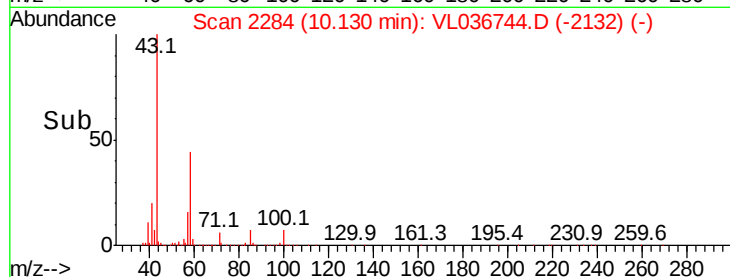
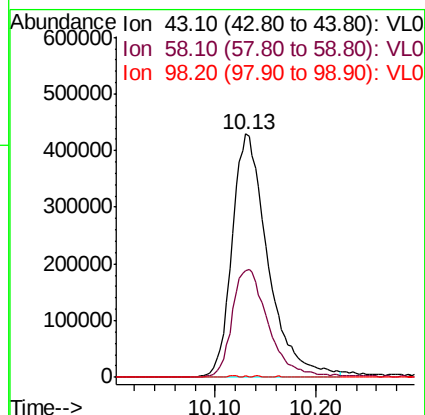
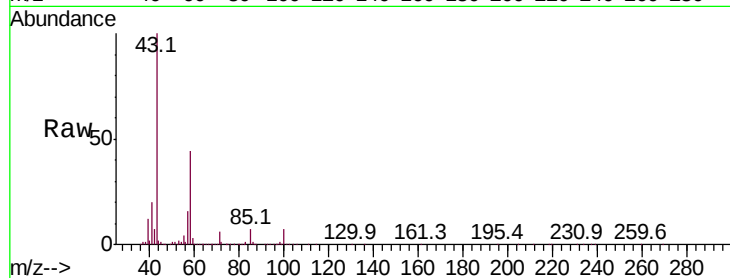
58 46.0 37.7 56.5

98 0.4 0.2 0.2#

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#52

Tetrachloroethene

Concen: 8.615 ppbv

RT: 11.22 min Scan# 2622

Delta R.T. -0.01 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

Tgt Ion: 164 Resp: 929519

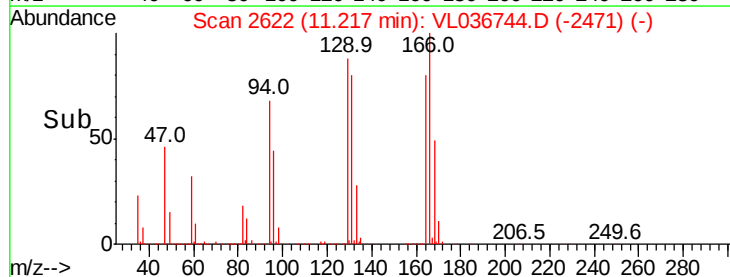
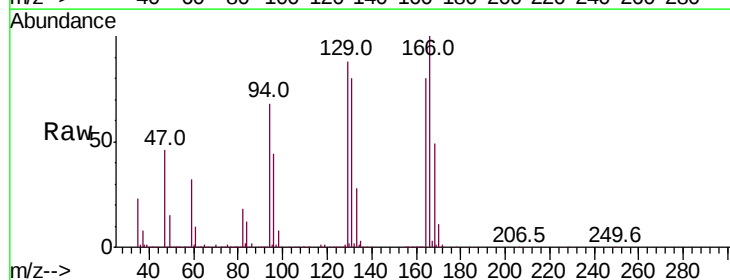
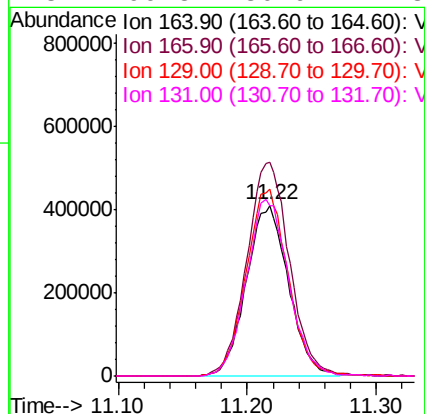
Ion Ratio Lower Upper

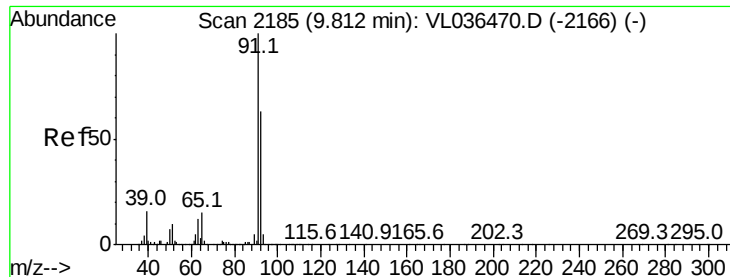
164 100

166 125.3 98.3 147.5

129 109.9 85.8 128.8

131 99.8 80.9 121.3





#53

Toluene

Concen: 9.739 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. -0.01 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3038654

Ion Ratio Lower Upper

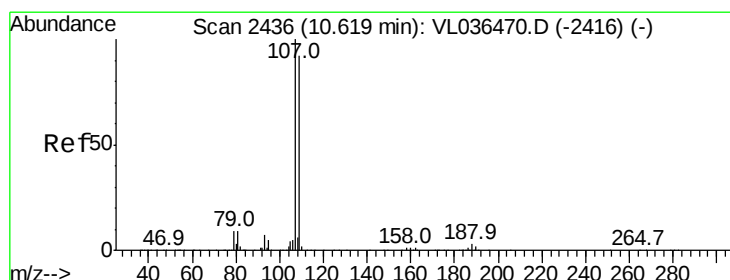
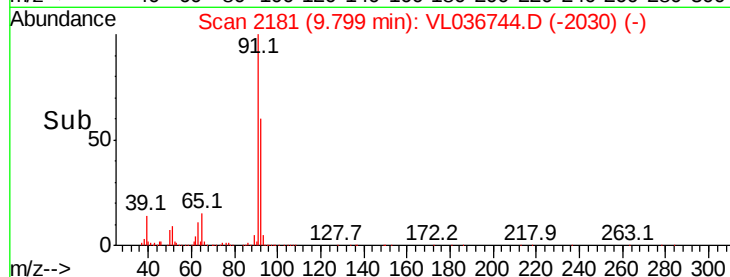
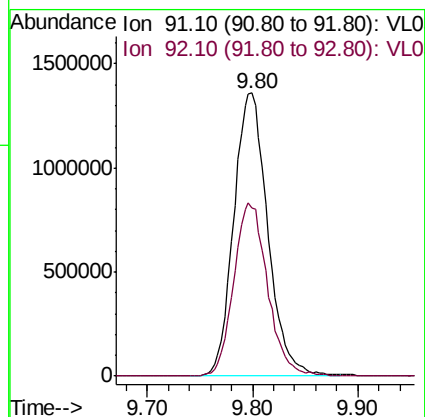
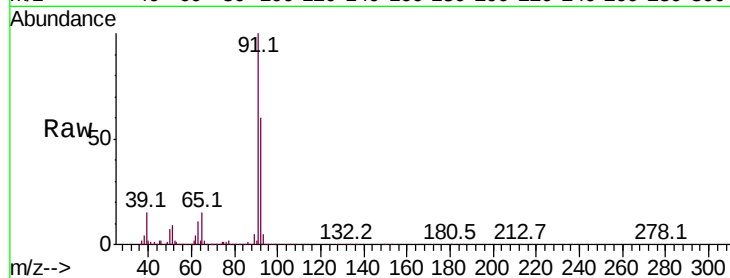
91 100

92 61.2 48.8 73.2

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#54

1,2-Dibromoethane

Concen: 9.393 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. -0.02 min

Lab File: VL036744.D

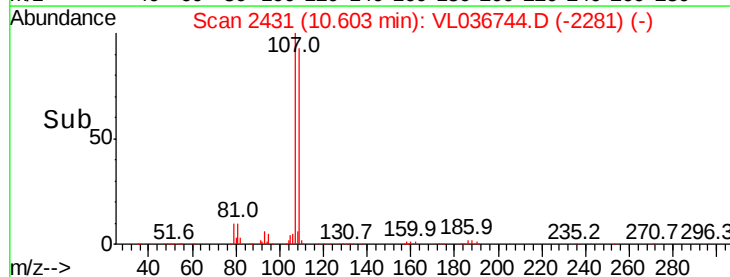
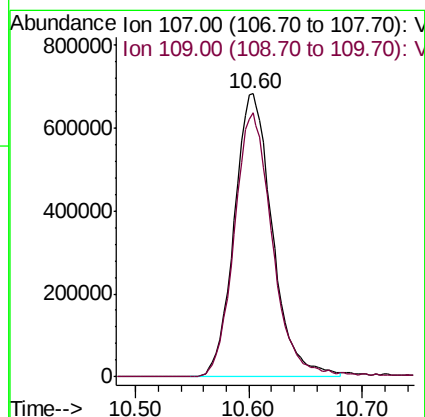
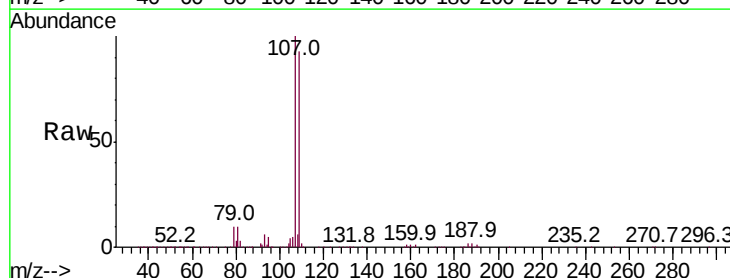
Acq: 8 Apr 2021 9:01

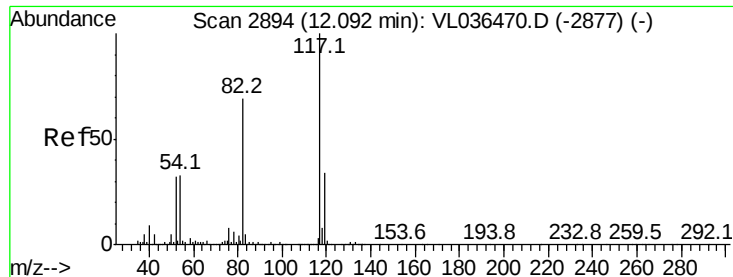
Tgt Ion: 107 Resp: 1596955

Ion Ratio Lower Upper

107 100

109 93.3 73.9 110.9





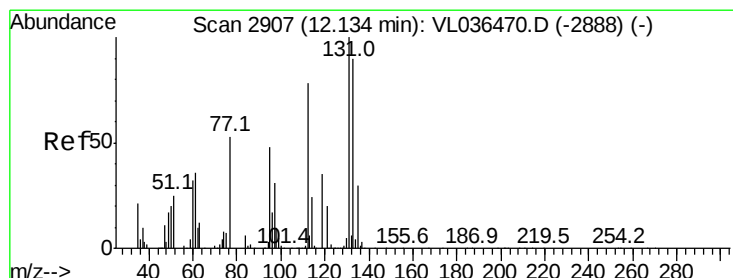
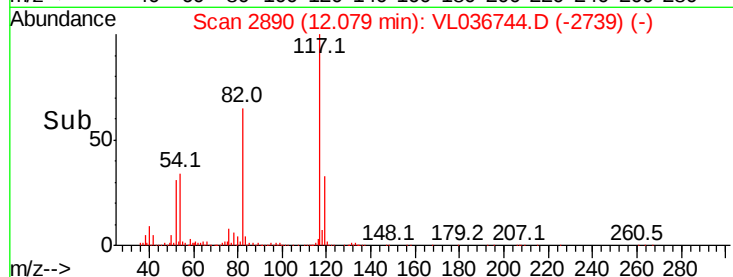
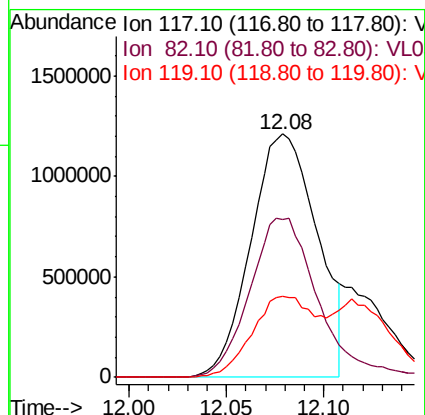
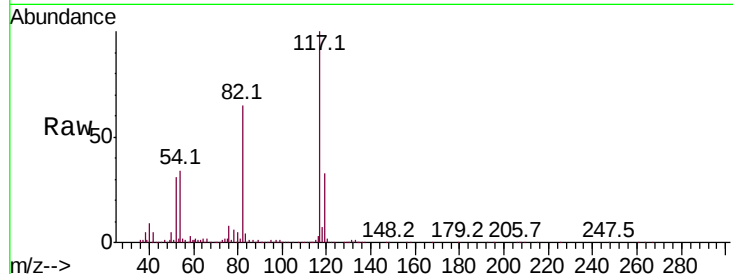
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL036744.D
Acq: 8 Apr 2021 9:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 2876360
Ion Ratio Lower Upper
117 100
82 68.1 57.4 86.0
119 32.7 47.4 71.0#

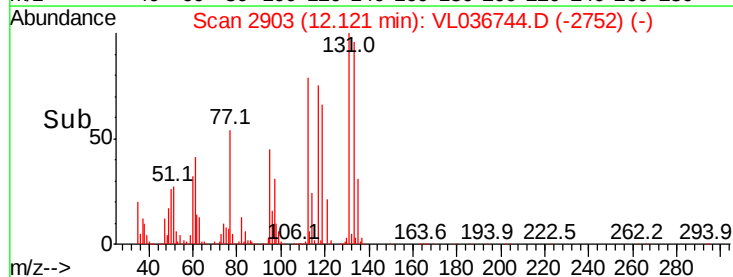
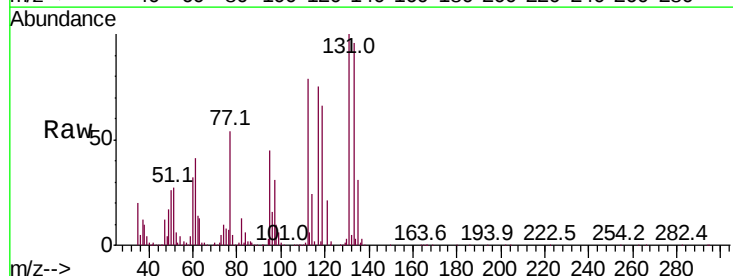
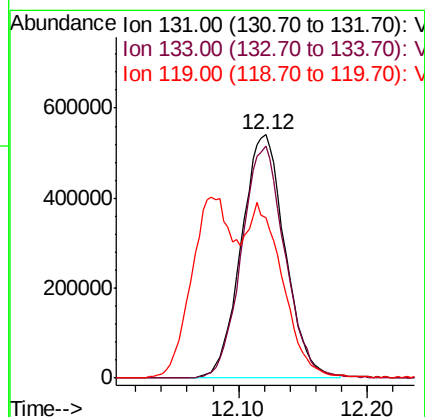
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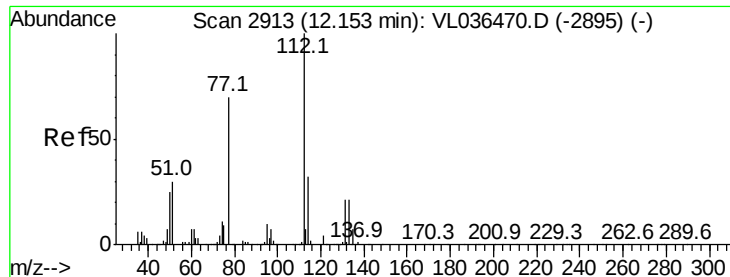
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.788 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.01 min
Lab File: VL036744.D
Acq: 8 Apr 2021 9:01

Tgt Ion:131 Resp: 1273404
Ion Ratio Lower Upper
131 100
133 95.3 75.8 113.6
119 69.4 48.7 73.1





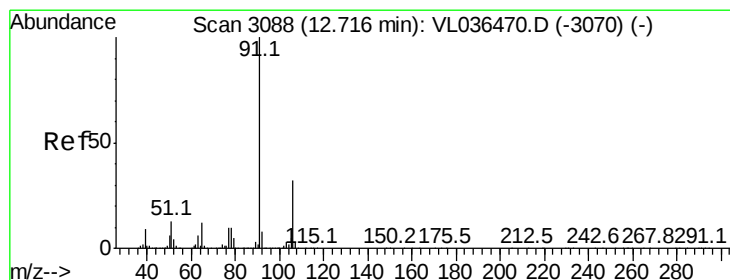
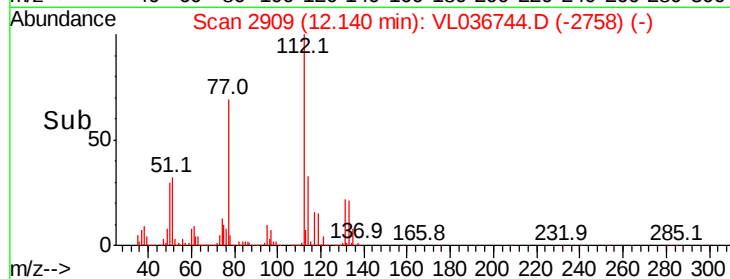
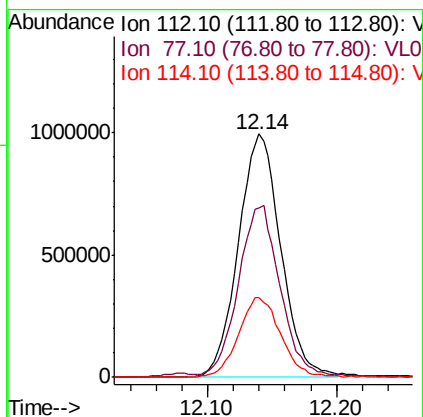
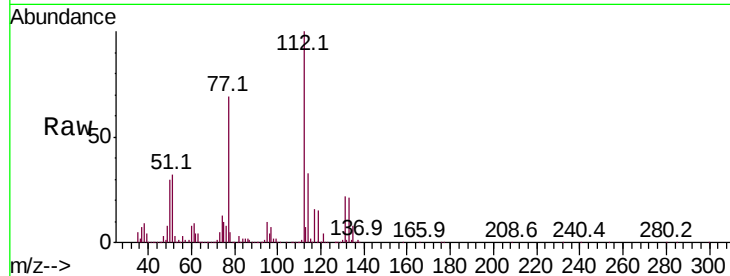
#57
Chlorobenzene
Concen: 9.268 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.01 min
Lab File: VL036744.D
Acq: 8 Apr 2021 9:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	68.3	56.0	84.0
114	32.5	29.0	35.4

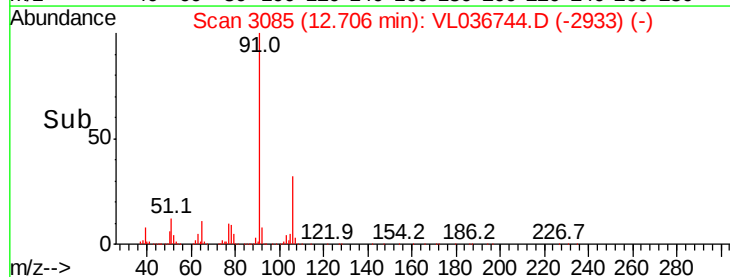
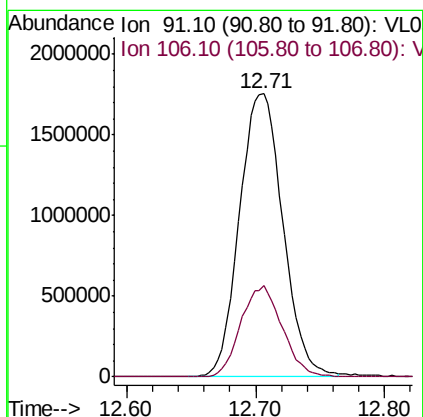
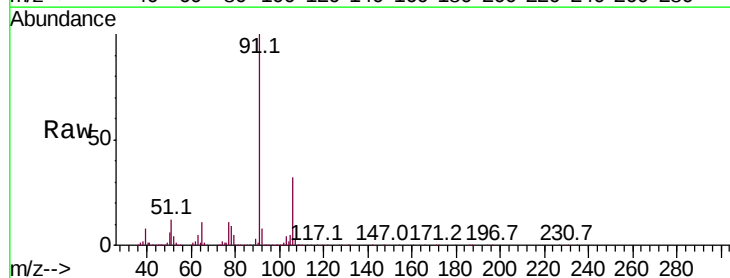
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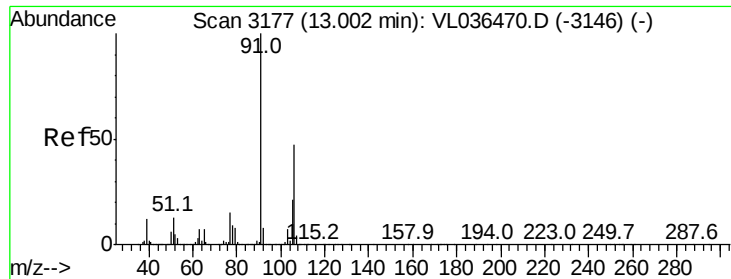
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#58
Ethyl Benzene
Concen: 9.817 ppbv
RT: 12.71 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL036744.D
Acq: 8 Apr 2021 9:01

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.3	37.9





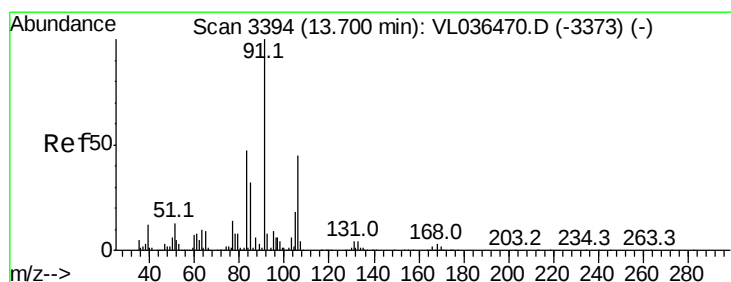
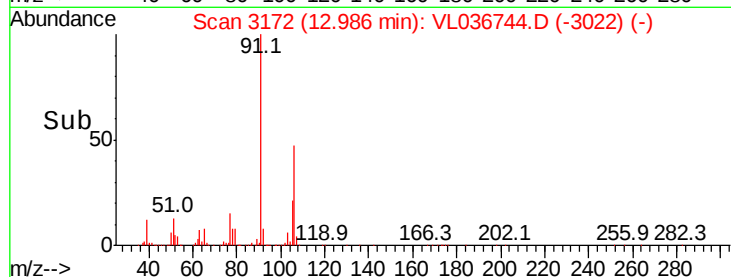
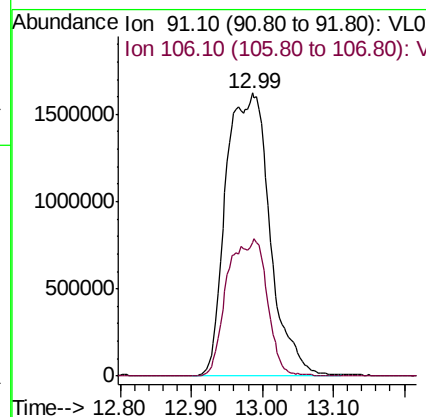
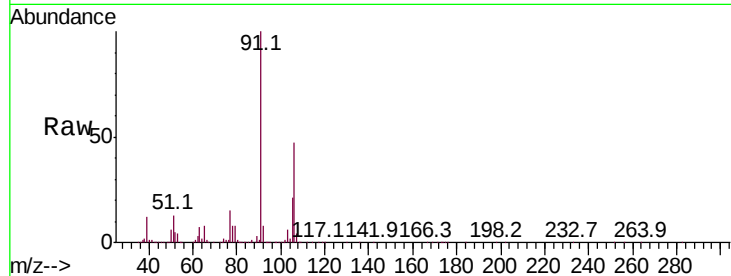
#59
m/p-Xylene
Concen: 19.110 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. -0.02 min
Lab File: VL036744.D
Acq: 8 Apr 2021 9:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 6975272
Ion Ratio Lower Upper
91 100
106 44.4 35.3 52.9

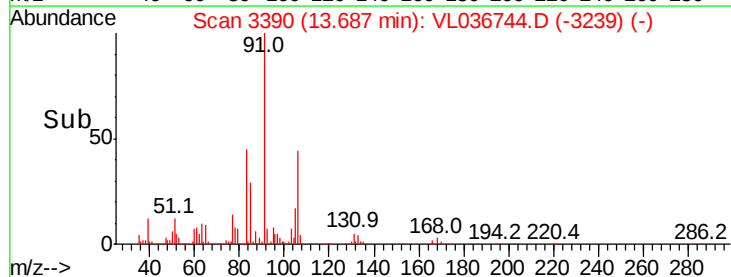
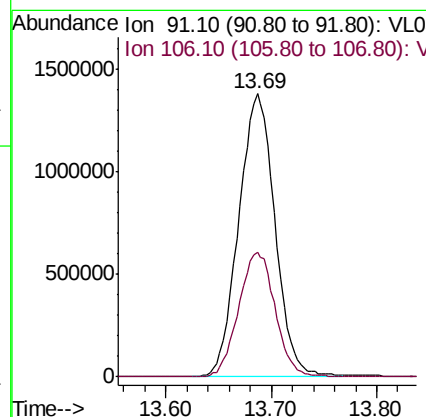
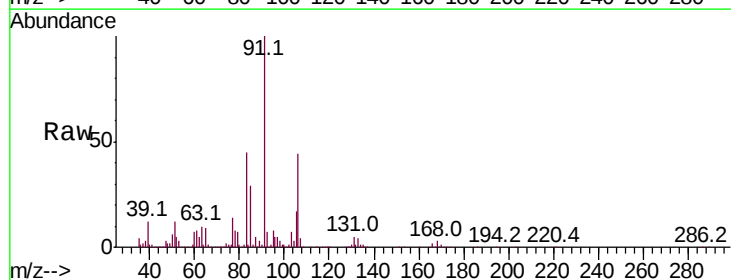
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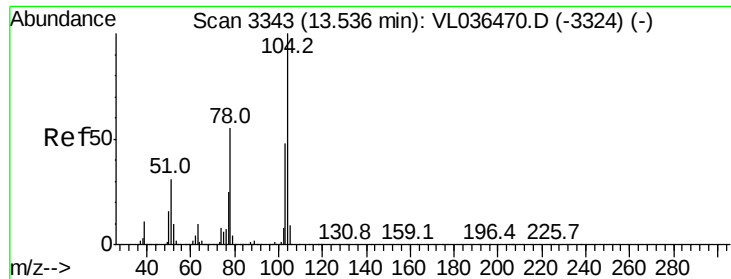
MMDadoda
4/12/2021 11:16:44 AM



#60
o-Xylene
Concen: 9.301 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL036744.D
Acq: 8 Apr 2021 9:01

Tgt Ion: 91 Resp: 3282443
Ion Ratio Lower Upper
91 100
106 44.6 22.3 66.9





#61

Stvrene

Concen: 10.136 ppbv

RT: 13.52 min Scan# 3339

Delta R.T. -0.01 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 1799694

Ion Ratio Lower Upper

104 100

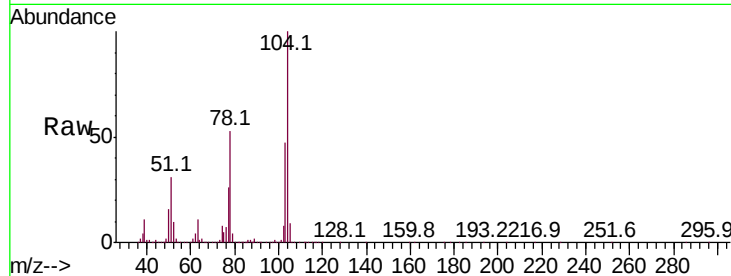
78 54.1 43.8 65.8

103 47.8 38.3 57.5

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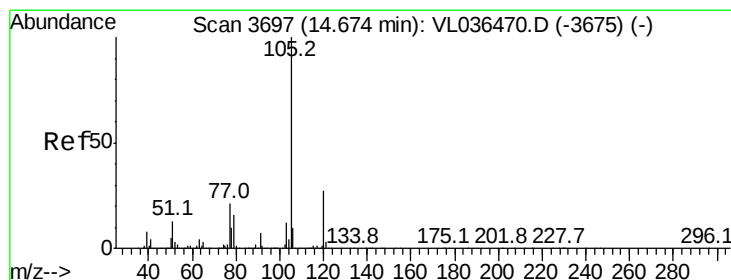
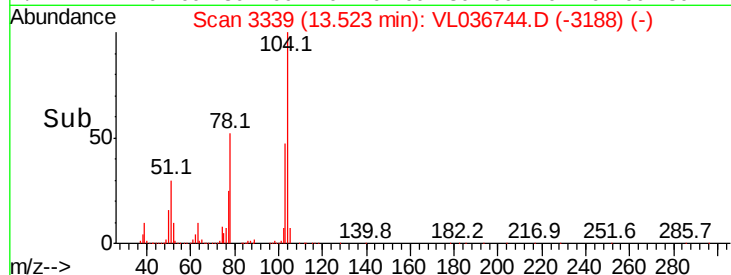
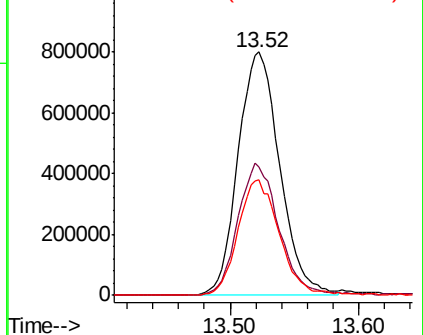
4/12/2021 11:16:44 AM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.634 ppbv

RT: 14.66 min Scan# 3693

Delta R.T. -0.01 min

Lab File: VL036744.D

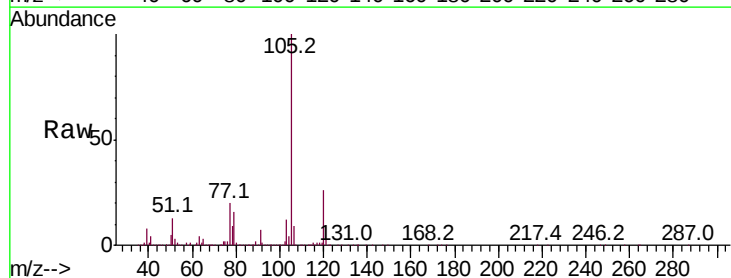
Acq: 8 Apr 2021 9:01

Tgt Ion:105 Resp: 4578874

Ion Ratio Lower Upper

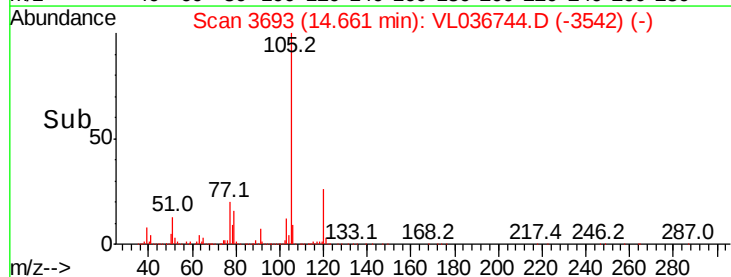
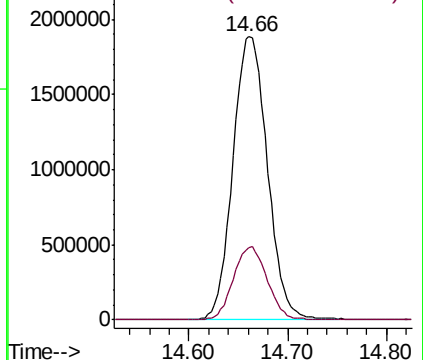
105 100

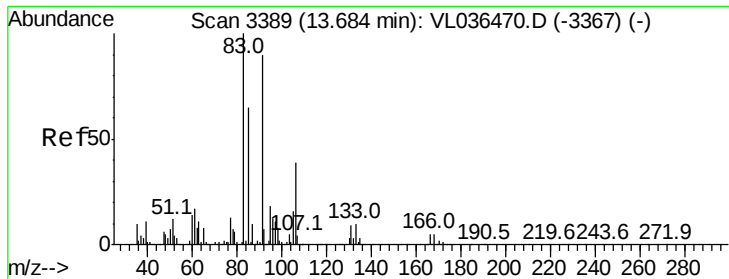
120 25.5 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 8.979 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. -0.01 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 2417415

Ion Ratio Lower Upper

83 100

131 9.4 4.7 14.0

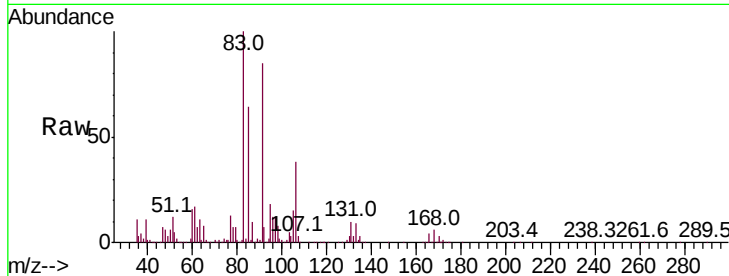
85 65.6 33.1 99.3

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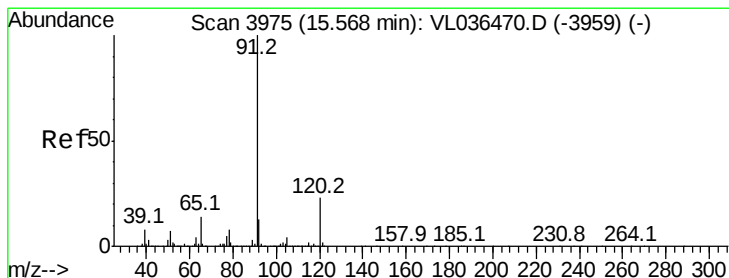
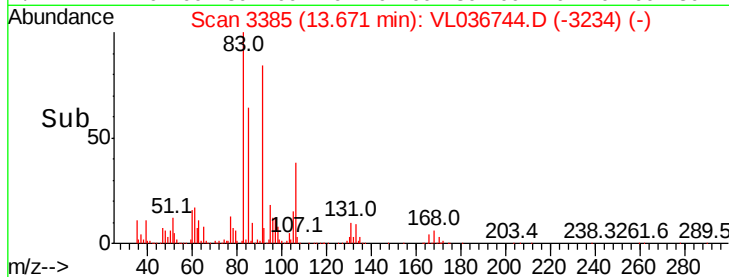
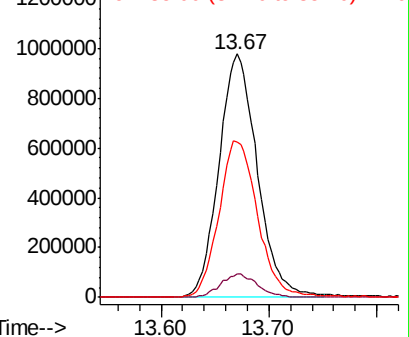
4/12/2021 11:16:44 AM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.213 ppbv

RT: 15.55 min Scan# 3971

Delta R.T. -0.01 min

Lab File: VL036744.D

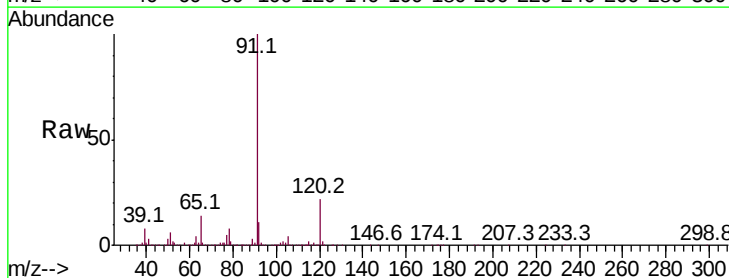
Acq: 8 Apr 2021 9:01

Tgt Ion:120 Resp: 1186685

Ion Ratio Lower Upper

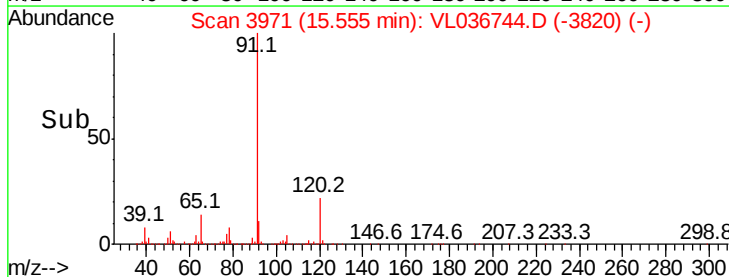
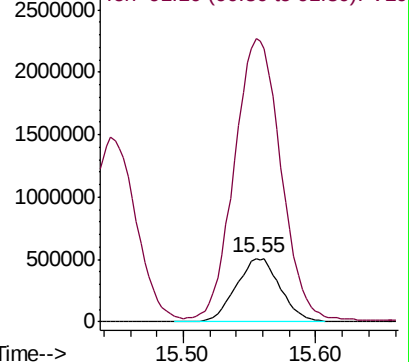
120 100

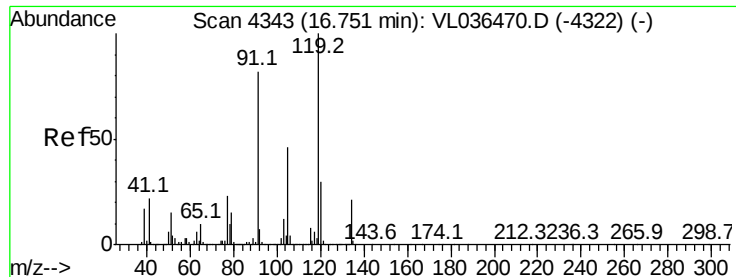
91 474.6 377.4 566.2



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





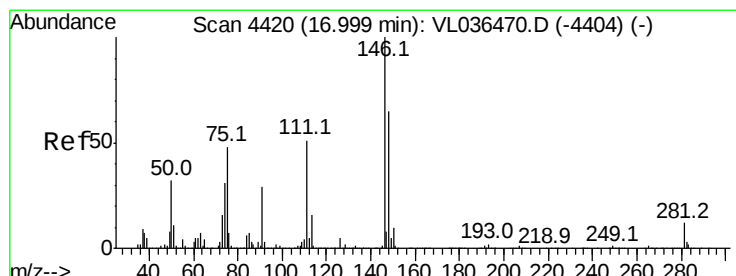
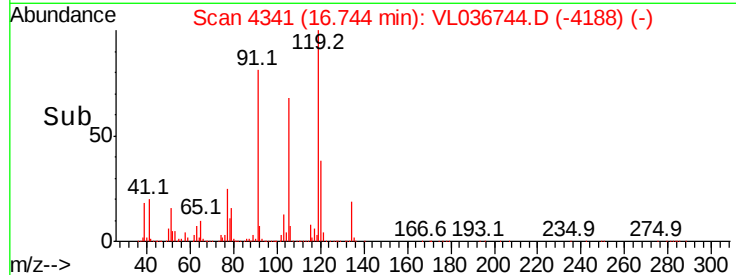
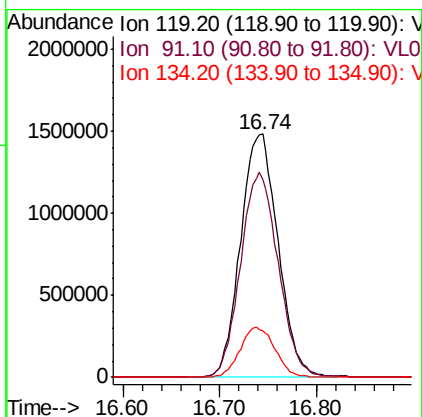
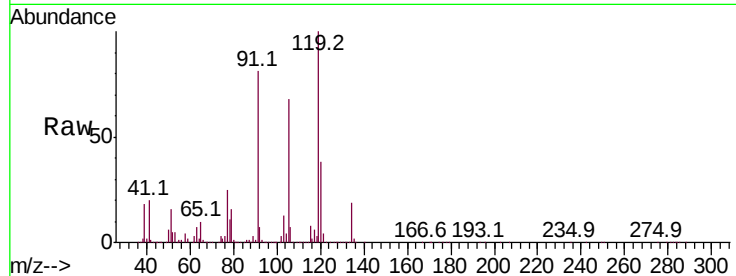
#65
tert-Butylbenzene
Concen: 9.700 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. -0.01 min
Lab File: VL036744.D
Acq: 8 Apr 2021 9:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	84.9	67.5	101.3
134	19.3	15.8	23.8

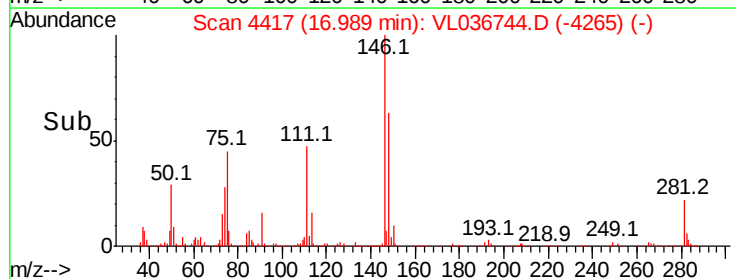
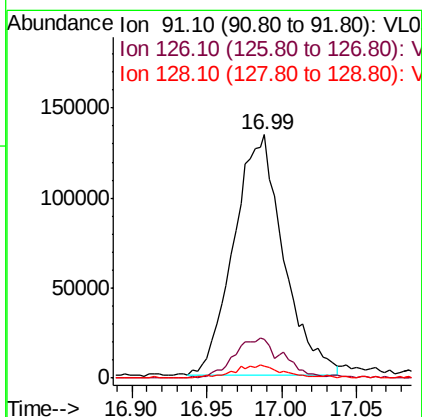
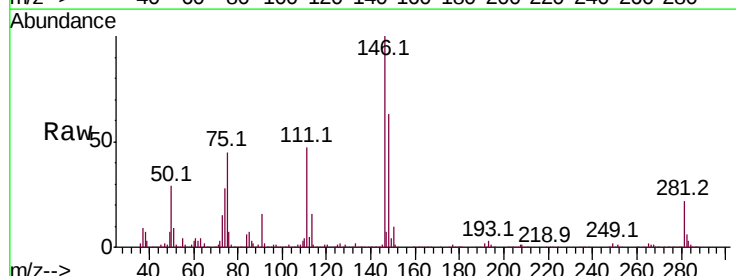
Manual Integrations
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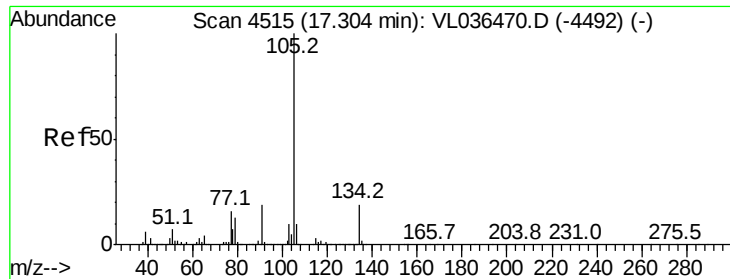
MMDadoda
4/12/2021 11:16:44 AM



#66
Benzyl Chloride
Concen: 6.766 ppbv
RT: 16.99 min Scan# 4417
Delta R.T. -0.01 min
Lab File: VL036744.D
Acq: 8 Apr 2021 9:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.7	13.5	20.3
128	5.8	4.2	6.4





#67

sec-Butylbenzene

Concen: 9.673 ppbv

RT: 17.29 min Scan# 4511

Delta R.T. -0.01 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 5626981

Ion Ratio Lower Upper

105 100

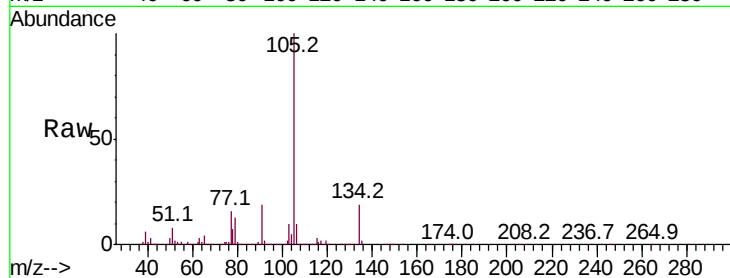
134 18.0 14.7 22.1

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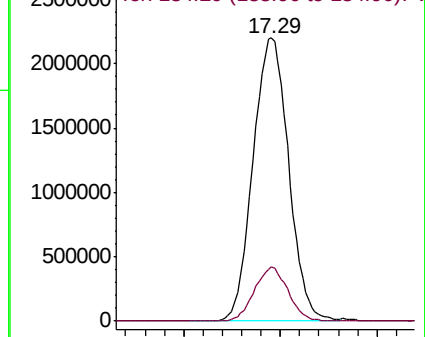
MMDadoda

4/12/2021 11:16:44 AM

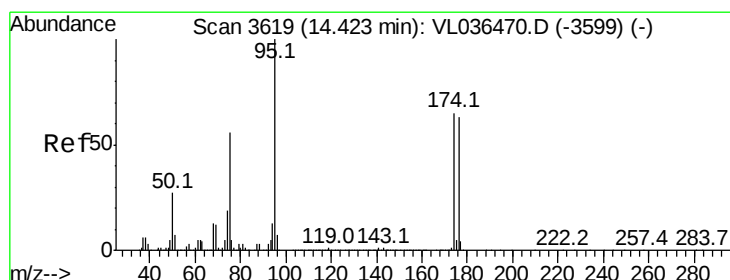
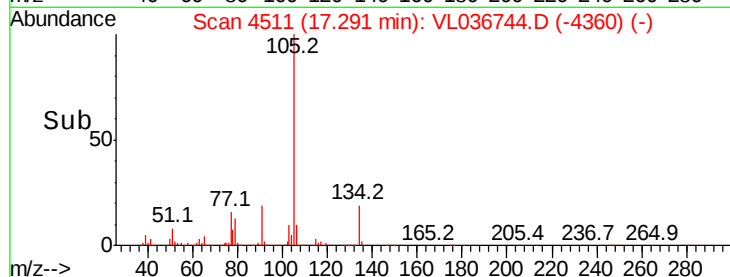


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.227 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. -0.01 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

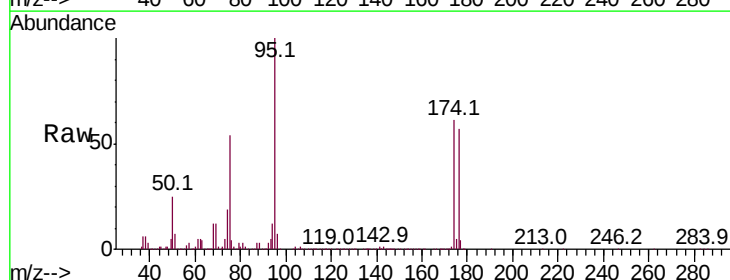
Tgt Ion: 95 Resp: 2344529

Ion Ratio Lower Upper

95 100

174 62.5 51.0 76.6

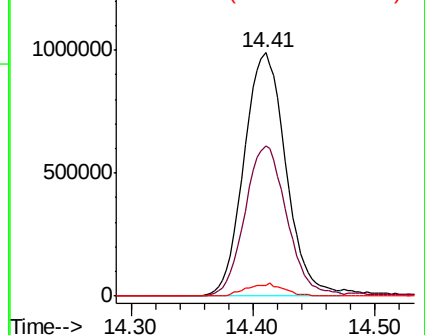
175 5.0 3.9 5.9



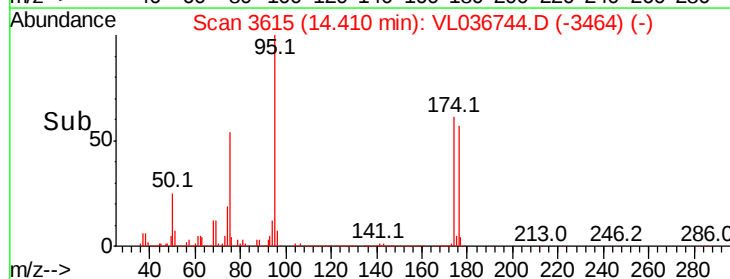
Abundance Ion 95.10 (94.80 to 95.80): VL0

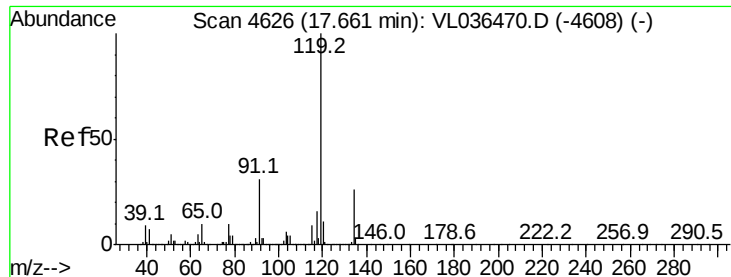
Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



Time-->





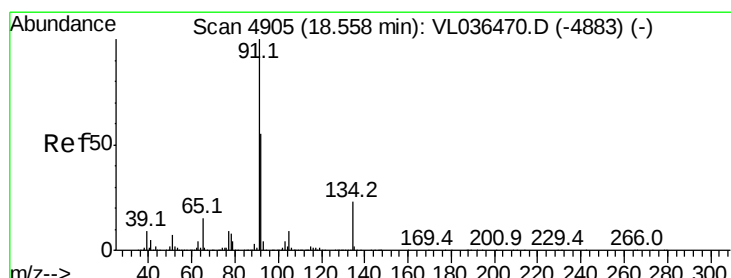
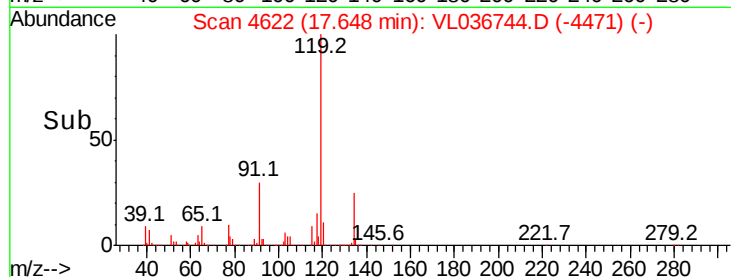
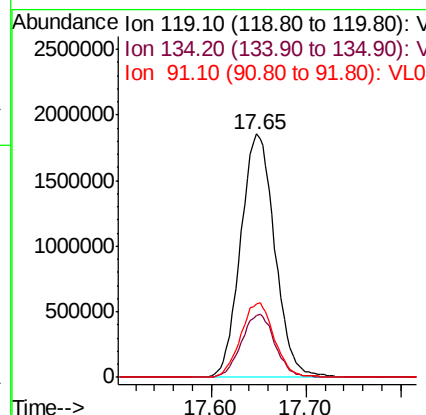
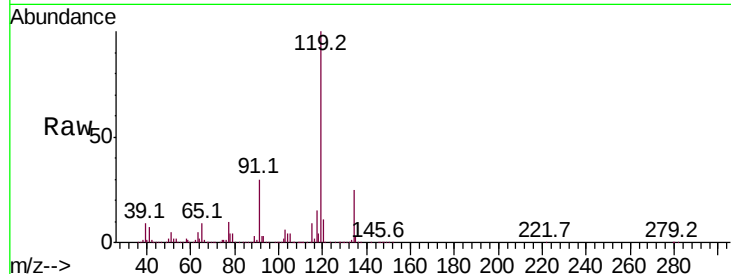
#69
 p-Isopropyltoluene
 Concen: 10.228 ppbv
 RT: 17.65 min Scan# 4622
 Delta R.T. -0.01 min
 Lab File: VL036744.D
 Acq: 8 Apr 2021 9:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.6	30.8
91	30.1	25.0	37.6

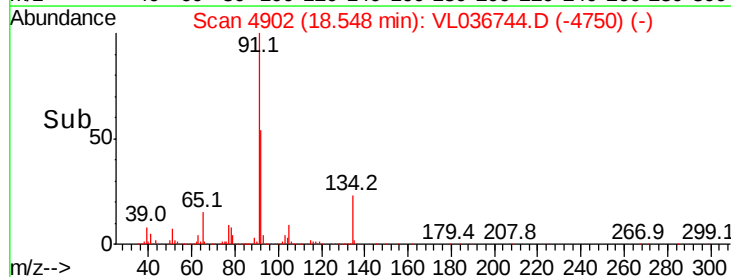
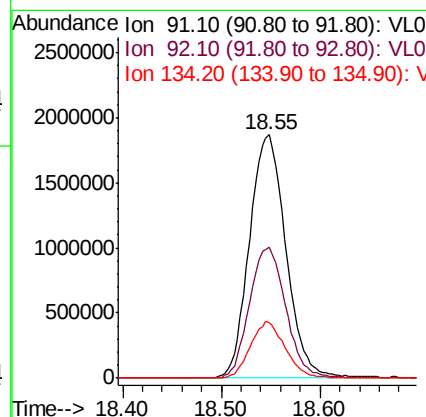
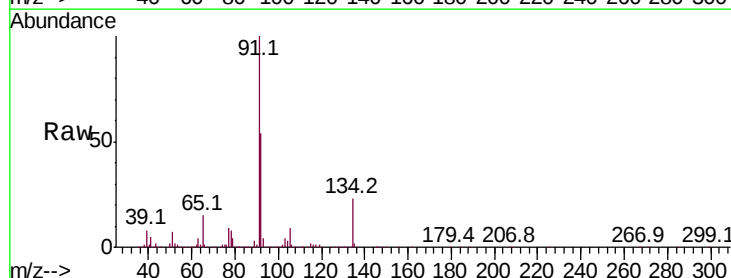
Manual Integrations
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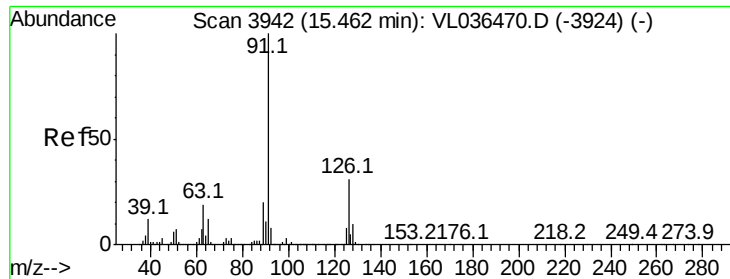
MMDadoda
 4/12/2021 11:16:44 AM



#70
 n-Butylbenzene
 Concen: 10.099 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. -0.01 min
 Lab File: VL036744.D
 Acq: 8 Apr 2021 9:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.1	43.8	65.8
134	22.3	18.0	27.0





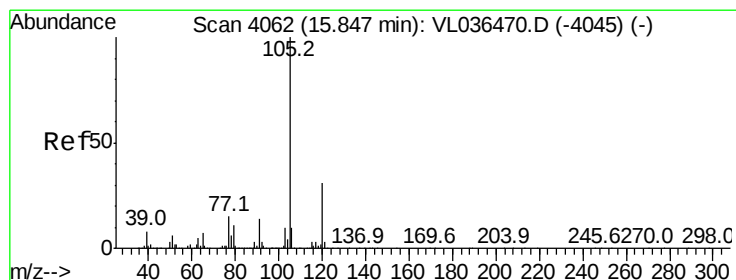
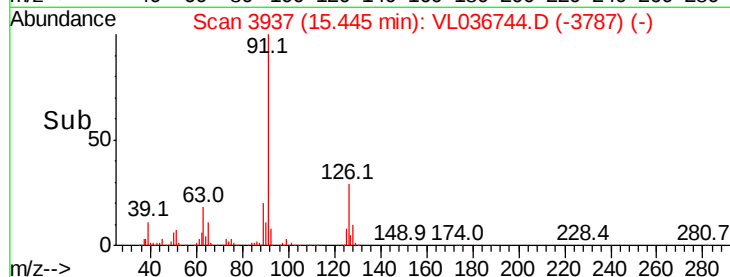
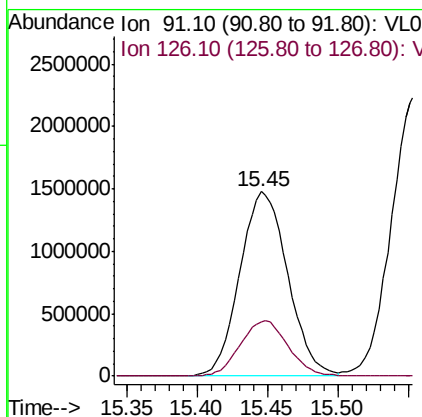
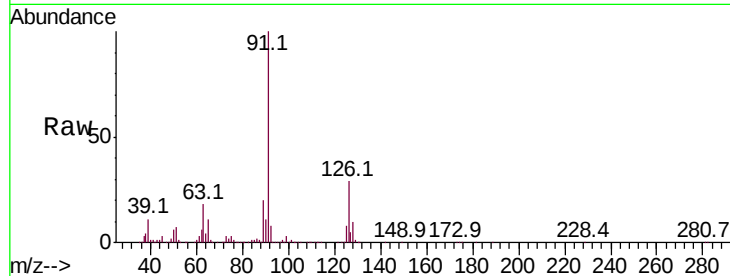
#71
2-Chlorotoluene
Concen: 9.840 ppbv
RT: 15.45 min Scan# 3937
Delta R.T. -0.02 min
Lab File: VL036744.D
Acq: 8 Apr 2021 9:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 3504449
Ion Ratio Lower Upper
91 100
126 30.4 12.1 48.5

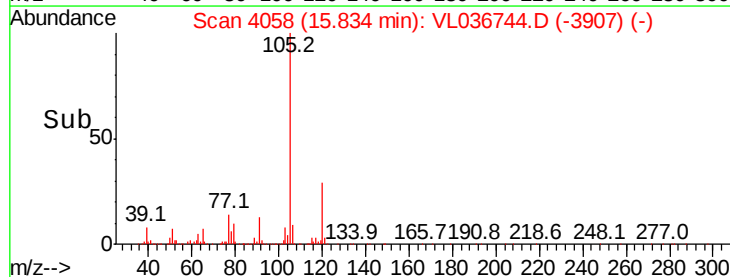
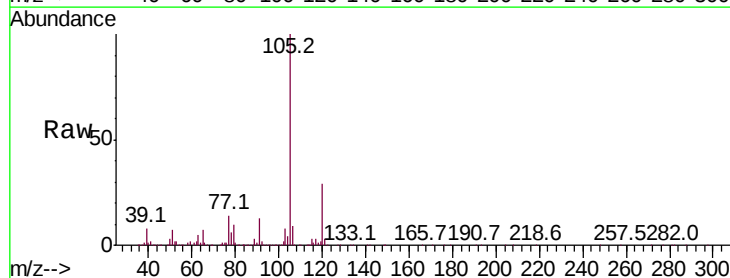
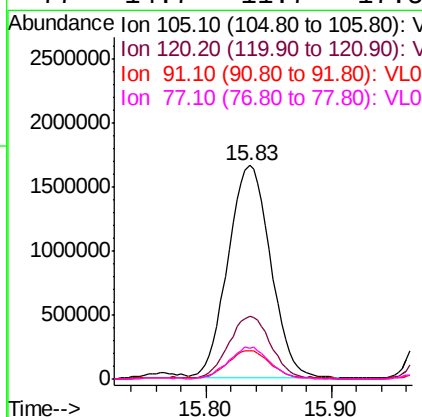
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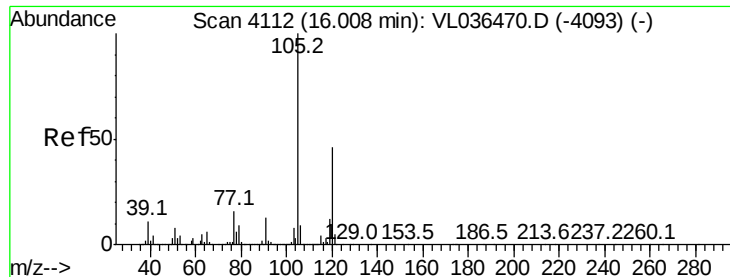
MMDadoda
4/12/2021 11:16:44 AM



#72
4-Ethyltoluene
Concen: 10.094 ppbv
RT: 15.83 min Scan# 4058
Delta R.T. -0.01 min
Lab File: VL036744.D
Acq: 8 Apr 2021 9:01

Tgt Ion: 105 Resp: 3903453
Ion Ratio Lower Upper
105 100
120 30.6 24.0 36.0
91 13.6 11.0 16.4
77 14.7 11.7 17.5





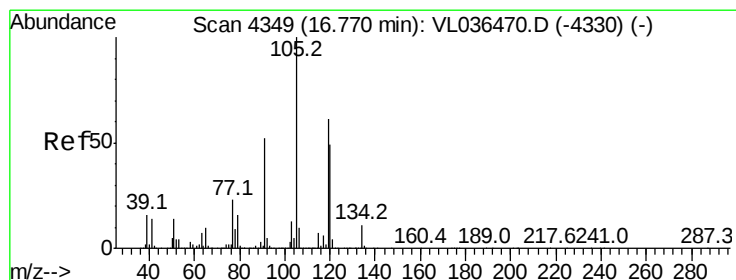
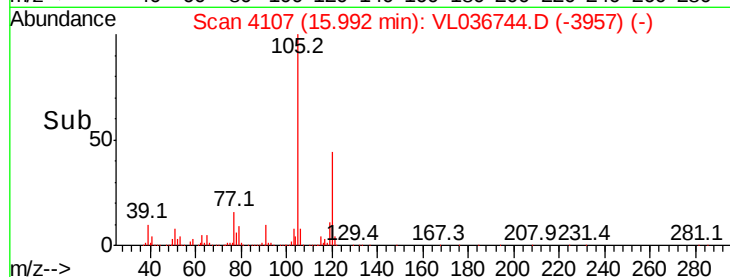
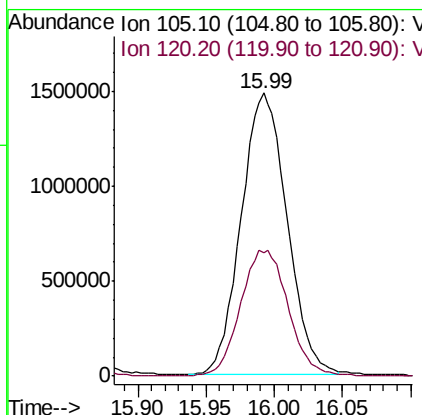
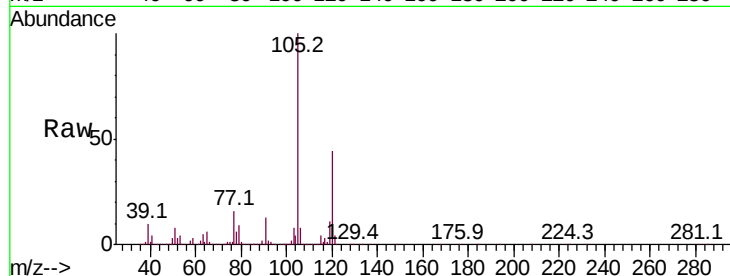
#73
 1,3,5-Trimethylbenzene
 Concen: 9.599 ppbv
 RT: 15.99 min Scan# 4107
 Delta R.T. -0.02 min
 Lab File: VL036744.D
 Acq: 8 Apr 2021 9:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 3464492
 Ion Ratio Lower Upper
 105 100
 120 43.8 36.6 54.8

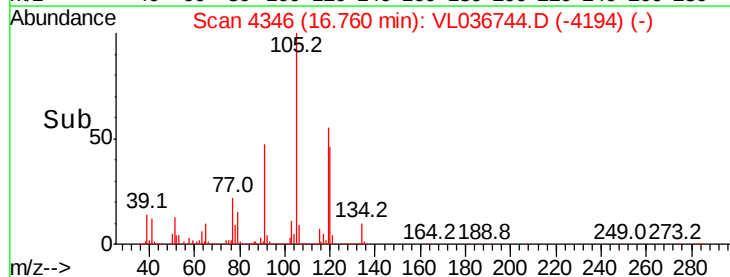
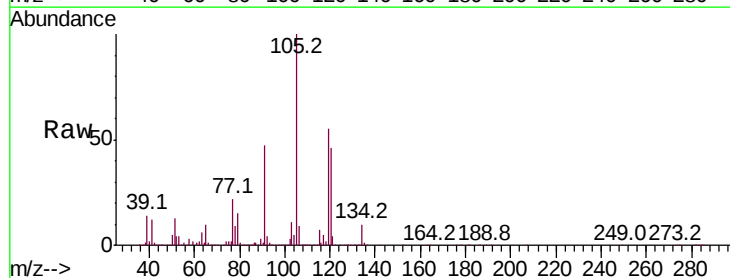
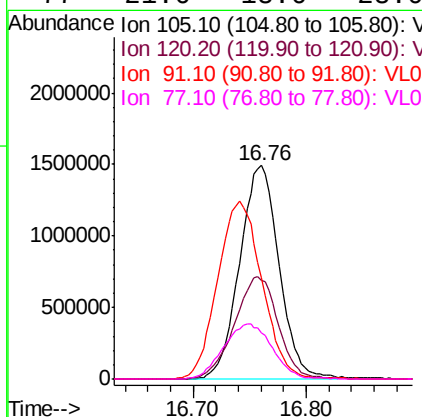
Manual Integrations
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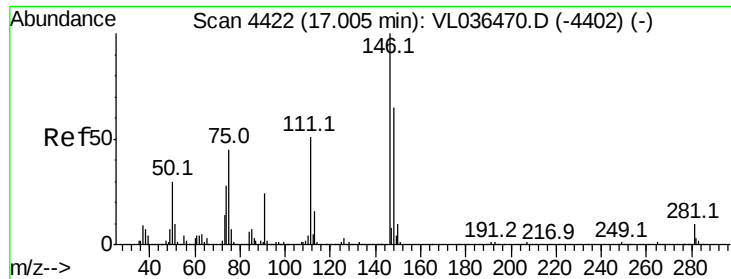
MMDadoda
 4/12/2021 11:16:44 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 9.350 ppbv
 RT: 16.76 min Scan# 4346
 Delta R.T. -0.01 min
 Lab File: VL036744.D
 Acq: 8 Apr 2021 9:01

Tgt Ion:105 Resp: 3611589
 Ion Ratio Lower Upper
 105 100
 120 46.1 39.2 58.8
 91 47.1 42.6 64.0
 77 21.6 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 9.768 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. -0.02 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2123727

Ion Ratio Lower Upper

146 100

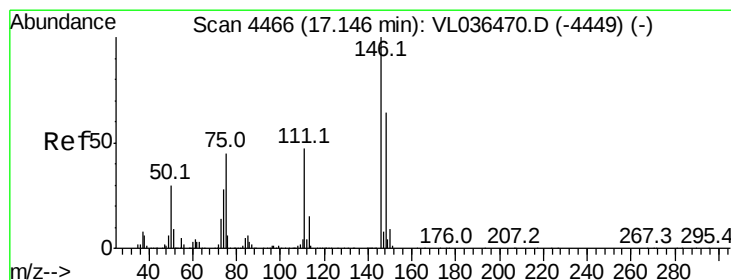
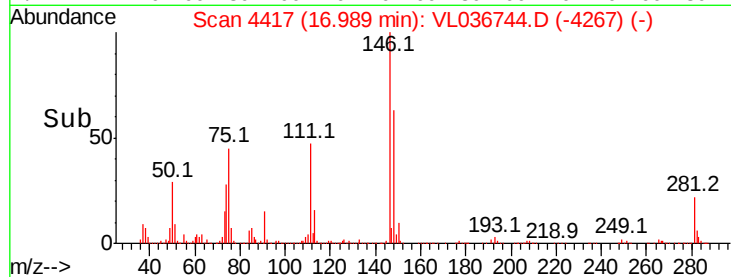
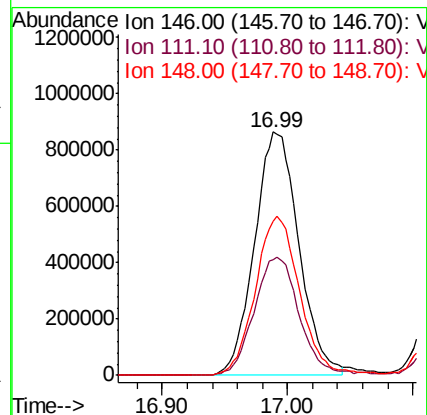
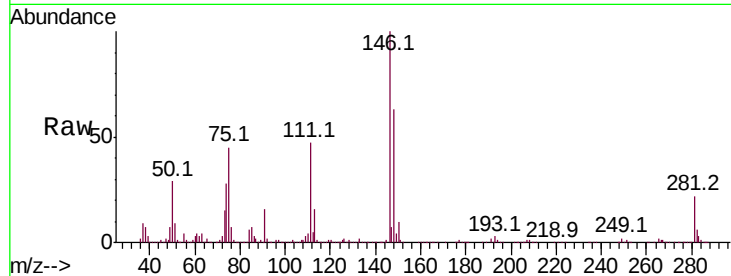
111 49.6 24.5 73.5

148 65.6 32.3 96.9

Manual Integrations
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4/12/2021 11:16:44 AM



#76

1,4-Dichlorobenzene

Concen: 9.698 ppbv

RT: 17.13 min Scan# 4461

Delta R.T. -0.02 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

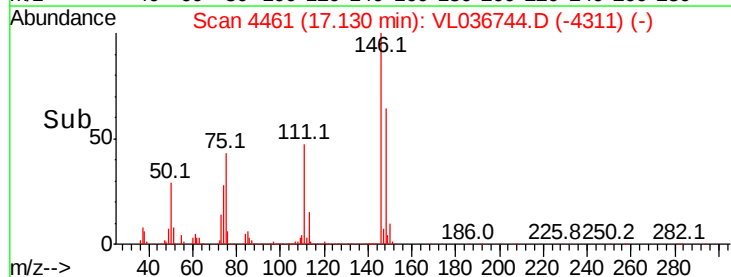
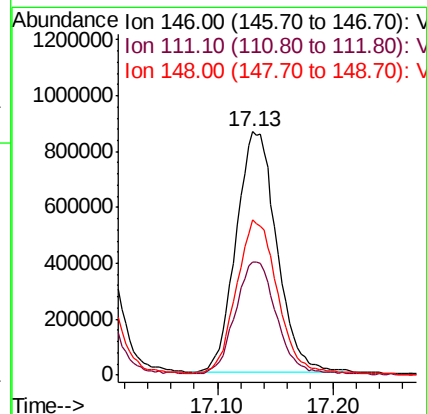
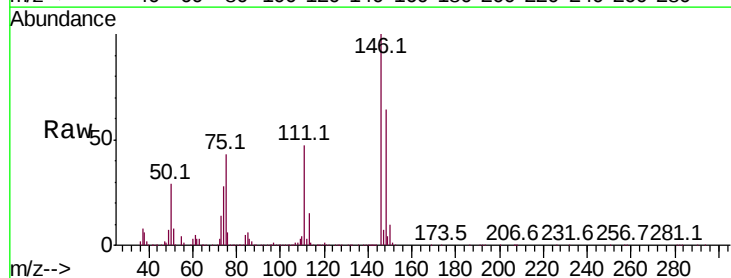
Tgt Ion:146 Resp: 2093424

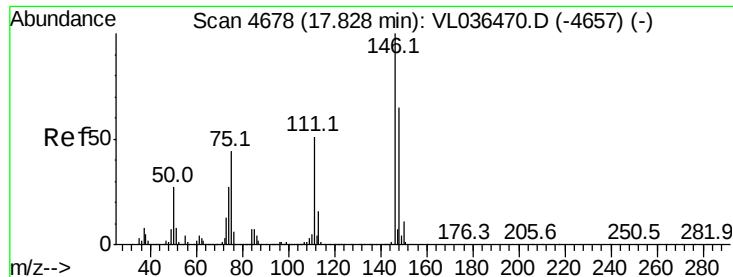
Ion Ratio Lower Upper

146 100

111 48.0 24.3 72.8

148 66.0 33.0 98.9





#77

1,2-Dichlorobenzene

Concen: 10.313 ppbv

RT: 17.82 min Scan# 4674

Delta R.T. -0.01 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2107665

Ion Ratio Lower Upper

146 100

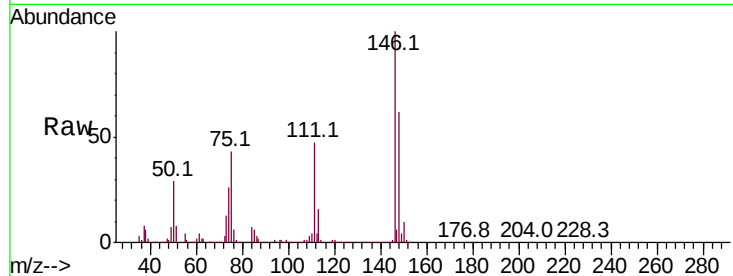
111 49.6 25.5 76.5

148 64.9 32.9 98.6

Manual Integrations
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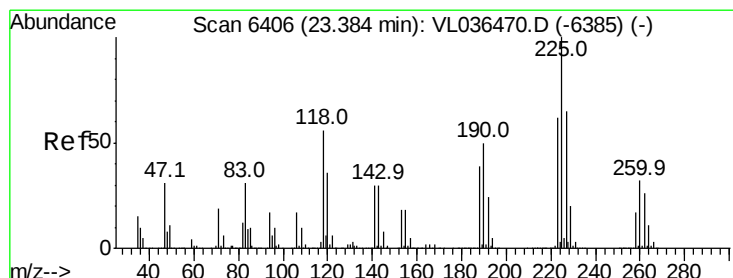
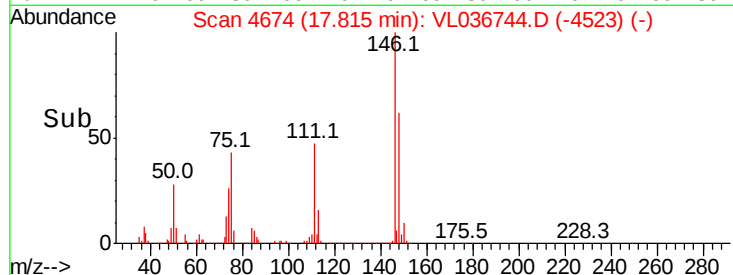
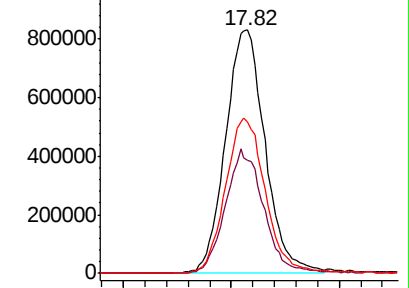
4/12/2021 11:16:44 AM



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: 9.067 ppbv

RT: 23.37 min Scan# 6402

Delta R.T. -0.01 min

Lab File: VL036744.D

Acq: 8 Apr 2021 9:01

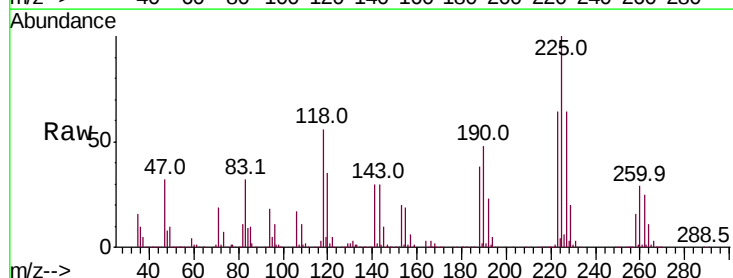
Tgt Ion:225 Resp: 1659493

Ion Ratio Lower Upper

225 100

223 63.0 50.6 75.8

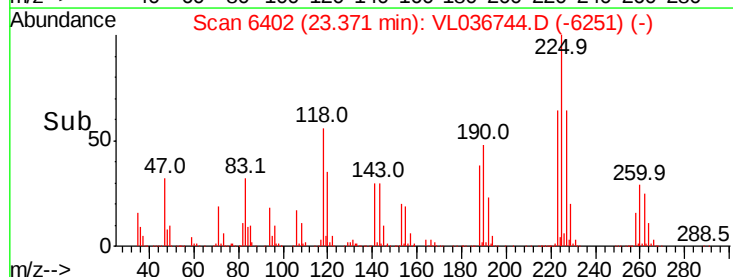
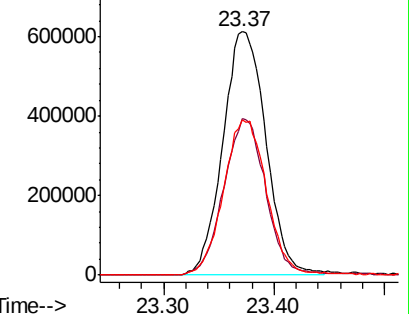
227 63.5 52.2 78.2

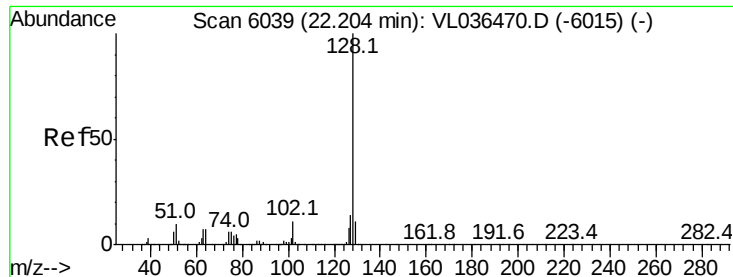


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





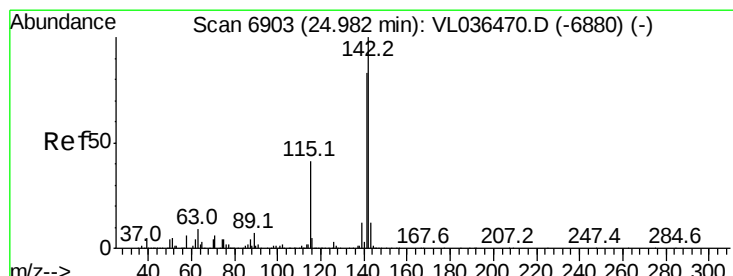
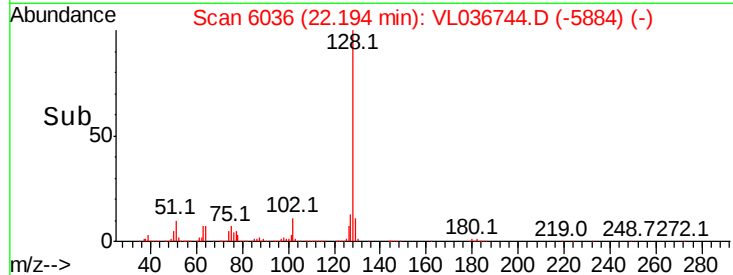
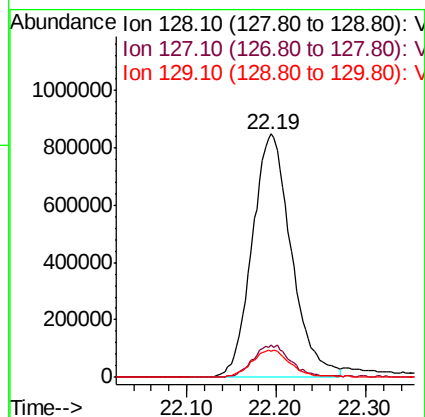
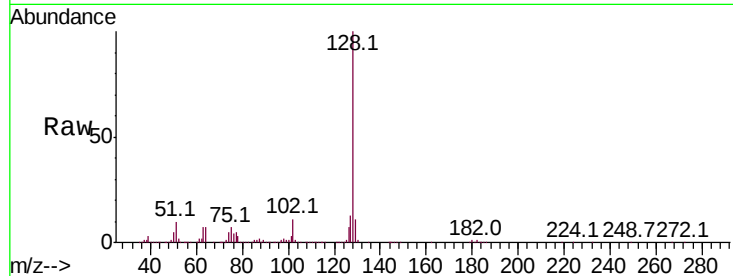
#79
Naphthalene
Concen: 11.485 ppbv
RT: 22.19 min Scan# 6036
Delta R.T. -0.01 min
Lab File: VL036744.D
Acq: 8 Apr 2021 9:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:128	Resp: 2588639
Ion Ratio	Lower Upper
128 100	
127 13.1	10.9 16.3
129 10.8	9.0 13.4

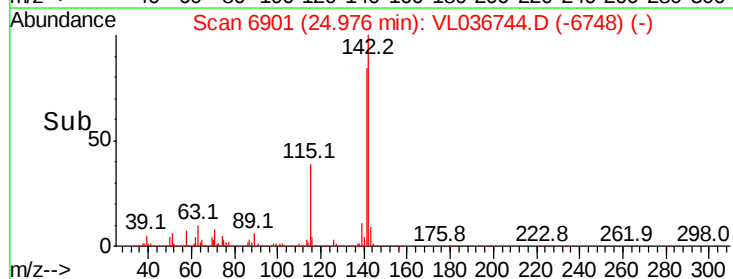
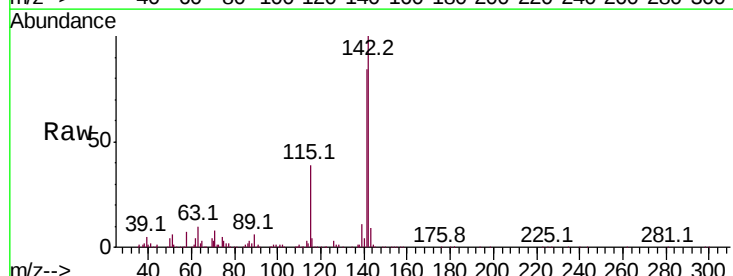
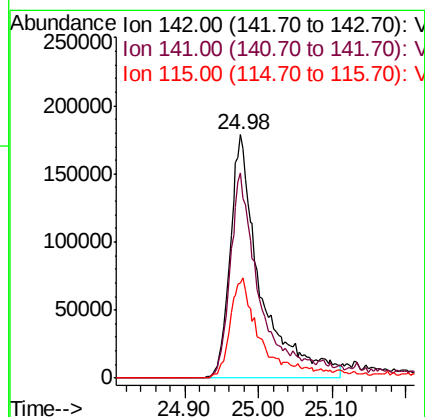
Manual Integrations
APPROVED

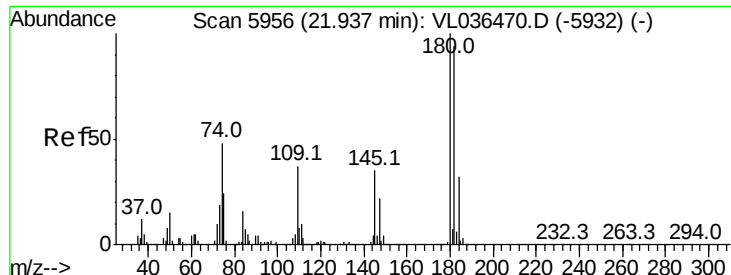
MMDadoda
4/12/2021 11:16:44 AM



#80
Naphthalene, 2-methyl-
Concen: 11.514 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. -0.01 min
Lab File: VL036744.D
Acq: 8 Apr 2021 9:01

Tgt Ion:142	Resp: 511726
Ion Ratio	Lower Upper
142 100	
141 87.4	67.8 101.8
115 45.4	34.0 51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 11.096 ppbv
 RT: 21.92 min Scan# 5951
 Delta R.T. -0.02 min
 Lab File: VL036744.D
 Acq: 8 Apr 2021 9:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.4	80.8	121.2
184	31.0	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:16:44 AM

