

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL091621\
 Data File : VL037616.D
 Acq On : 16 Sep 2021 12:50
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 9/20/2021 5:26:51 PM

Quant Time: Sep 16 13:39:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 2021
 QLast Update : Thu Sep 16 10:46:26 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1628321	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4909095	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4332865m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3139723	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	3197084	12.237	ppbv	99
3) Chlorodifluoromethane	2.98	51	4270783	13.697	ppbv	100
4) Chloromethane	3.13	50	1639672	14.716	ppbv	99
5) Vinyl Chloride	3.25	62	1656679	14.513	ppbv	97
6) Bromomethane	3.46	94	908098	14.522	ppbv	97
7) Chloroethane	3.54	64	582129	14.941	ppbv	96
8) Dichlorotetrafluoroethane	3.18	85	3598726	13.343	ppbv	99
9) Propene	3.00	41	1612862	14.457	ppbv	95
10) Heptane	8.10	43	3945221	15.364	ppbv	99
11) Trichlorofluoromethane	3.94	101	3348310	13.653	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2513379	13.966	ppbv	99
13) Ethanol	3.60	45	134084m	12.351	ppbv	
14) Bromoethene	3.73	108	1181805	14.465	ppbv	98
15) Acetone	3.84	43	2002666	12.085	ppbv	100
16) 1,3-Butadiene	3.32	39	1600472	15.056	ppbv	98
17) tert-Butyl alcohol	4.27	59	2022065	13.357	ppbv	99
18) 1,1-Dichloroethene	4.27	96	1161065	14.203	ppbv	94
19) Isopropyl Alcohol	3.95	45	1210874	12.754	ppbv #	96
20) Methylene Chloride	4.33	84	1013178	12.211	ppbv	98
21) Allyl Chloride	4.40	41	1981170	14.719	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	1238546	15.186	ppbv	94
23) Vinyl Acetate	5.06	43	3730907	15.274	ppbv #	98
24) 1,1-Dichloroethane	5.00	63	2431563	13.725	ppbv	99
25) Ethyl Acetate	5.66	43	6133107	14.579	ppbv	99
26) Hexane	5.67	57	2903781	14.117	ppbv	100
27) Carbon Disulfide	4.54	76	2960447	16.150	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	2525400	12.784	ppbv	99
29) Chloroform	5.74	83	4138493	14.197	ppbv	99
30) Cyclohexane	7.12	84	2461110	14.360	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	2769320	14.876	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	3953884	13.805	ppbv	99
34) 2-Butanone	5.23	43	2718525	13.561	ppbv	98
35) Carbon Tetrachloride	7.00	117	4149523	14.303	ppbv	98
36) Benzene	6.87	78	5991581	14.519	ppbv	99
37) 1,2-Dichloroethane	6.29	62	2944171	14.403	ppbv	100
38) Trichloroethene	7.82	130	2356432	13.917	ppbv	97
39) 1,2-Dichloropropane	7.60	63	2356287	14.859	ppbv	96
40) 1,4-Dioxane	7.82	88	527254m	13.572	ppbv	
41) Tetrahydrofuran	6.03	42	1482043	15.347	ppbv	100
42) Bromodichloromethane	7.77	83	4354320	14.568	ppbv	96
43) Methyl Methacrylate	8.00	69	2240610	15.578	ppbv	100

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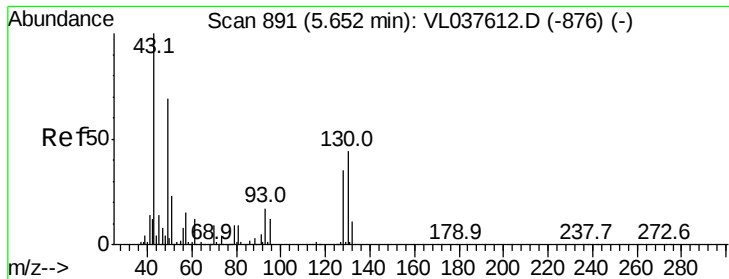
Manual Integrations
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 9/20/2021 5:26:51 PM

Quant Time: Sep 16 13:39:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 2021
 QLast Update : Thu Sep 16 10:46:26 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	9636645	13.875	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	2005146	18.518	ppbv	96
46) cis-1,3-Dichloropropene	8.68	75	2532625	16.768	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	2429573	14.179	ppbv	96
48) Dibromochloromethane	10.28	129	3831853	15.540	ppbv	97
49) Bromoform	13.02	173	3242895	16.685	ppbv	97
50) 4-Methyl-2-Pentanone	8.73	43	3996463	15.281	ppbv	100
51) 2-Hexanone	10.12	43	1927556m	16.024	ppbv	
52) Tetrachloroethene	11.21	164	2196647	12.990	ppbv	97
53) Toluene	9.79	91	6924381	14.695	ppbv	100
54) 1,2-Dibromoethane	10.59	107	3504234	14.650	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	2627395	14.553	ppbv #	65
57) Chlorobenzene	12.13	112	4958255	13.789	ppbv	99
58) Ethyl Benzene	12.69	91	8730467	14.520	ppbv	98
59) m/p-Xylene	12.98	91	14465602m	27.751	ppbv	
60) o-Xylene	13.67	91	6740500	13.854	ppbv	96
61) Styrene	13.51	104	4020619	15.908	ppbv	98
62) Isopropylbenzene	14.65	105	9310803	13.560	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.66	83	4998597	13.824	ppbv	100
64) n-propylbenzene	15.54	120	2666051	15.257	ppbv	99
65) tert-Butylbenzene	16.72	119	8268251	13.222	ppbv	99
66) Benzyl Chloride	16.96	91	654225	23.127	ppbv	98
67) sec-Butylbenzene	17.27	105	11411134	13.059	ppbv	99
69) p-Isopropyltoluene	17.63	119	9707779	13.634	ppbv	98
70) n-Butylbenzene	18.53	91	9537869	14.017	ppbv	98
71) 2-Chlorotoluene	15.43	91	7187061	14.273	ppbv	97
72) 4-Ethyltoluene	15.82	105	8163479	14.107	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	7444955	13.821	ppbv	97
74) 1,2,4-Trimethylbenzene	16.74	105	7593366	13.265	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	4858468	14.101	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	4809886	13.858	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	4677964	13.788	ppbv	100
78) Hexachloro-1,3-Butadiene	23.35	225	3367512	11.938	ppbv	99
79) Naphthalene	22.17	128	5989872	15.637	ppbv	98
80) Naphthalene, 2-methyl-	24.95	142	1842293	17.263	ppbv	99
81) 1,2,4-Trichlorobenzene	21.89	180	3479690	14.476	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 49 Resp: 1628321

Ion Ratio Lower Upper

49 100

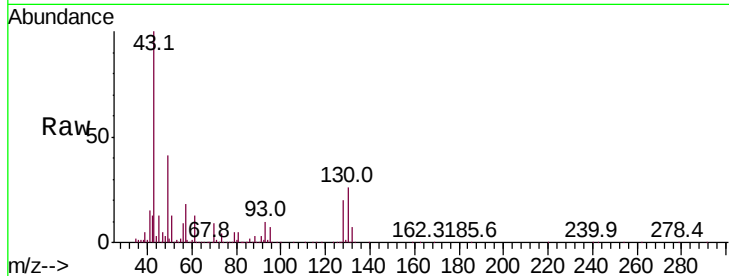
128 56.8 27.9 83.6

130 68.0 33.9 101.7

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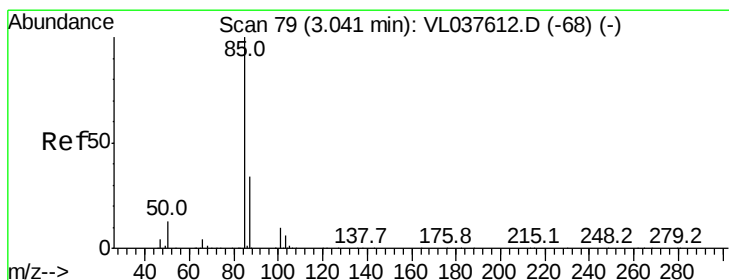
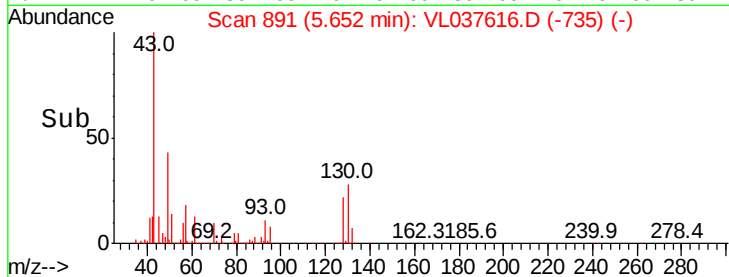
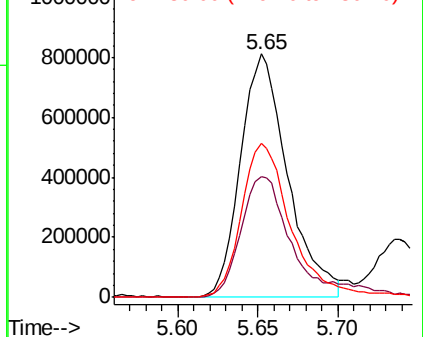
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 12.237 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.00 min

Lab File: VL037616.D

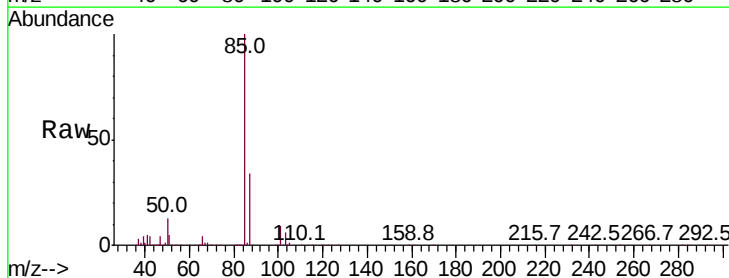
Acq: 16 Sep 2021 12:50

Tgt Ion: 85 Resp: 3197084

Ion Ratio Lower Upper

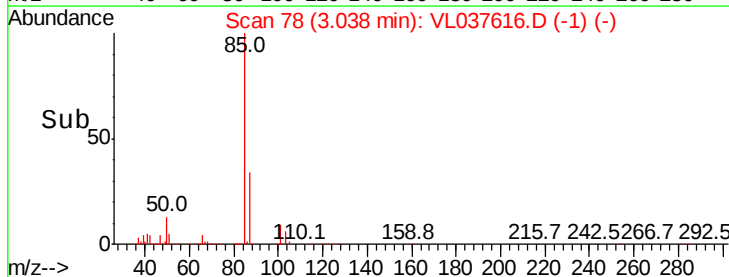
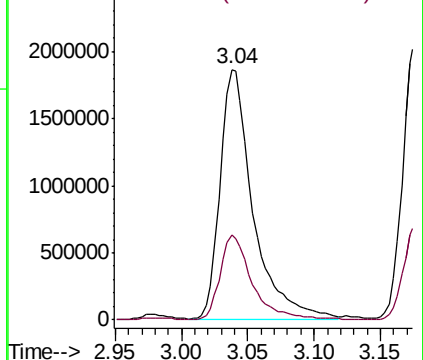
85 100

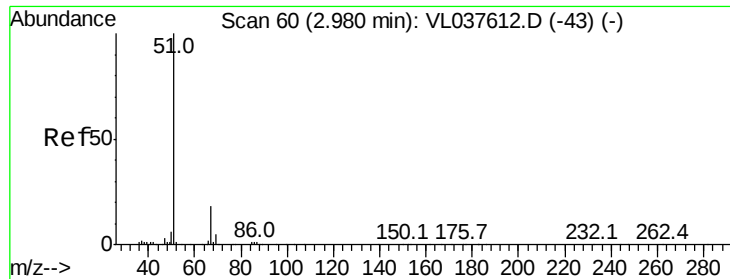
87 33.9 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

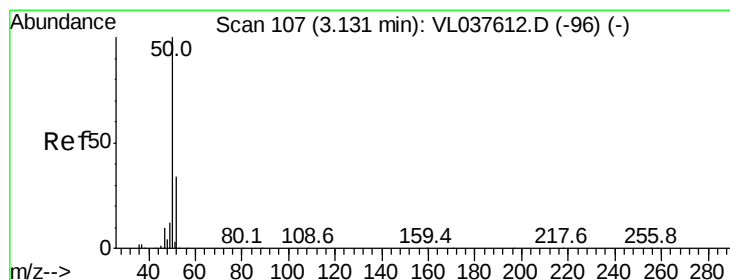
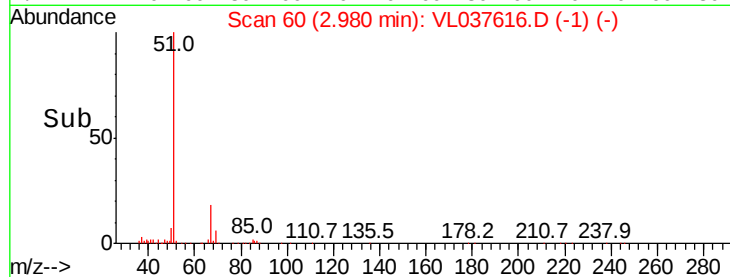
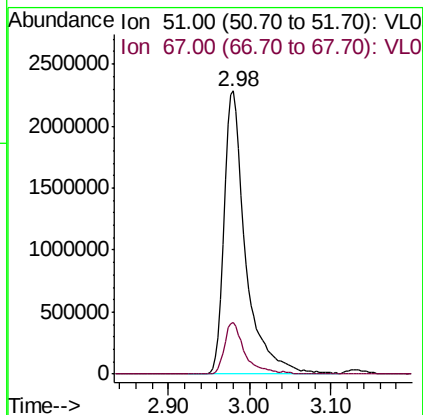
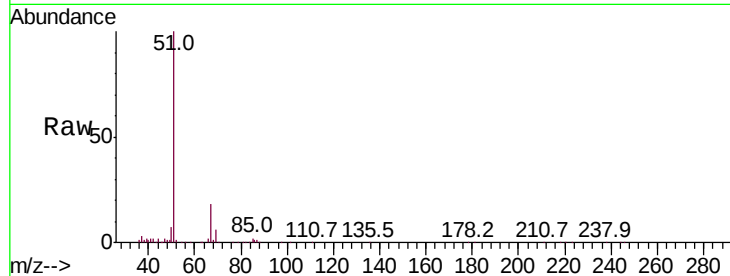
Chlorodifluoromethane
Concen: 13.697 ppbv
RT: 2.98 min Scan# 60
Delta R.T. 0.00 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 51 Resp: 4270783
Ion Ratio Lower Upper
51 100
67 17.6 14.0 21.0

Manual Integrations
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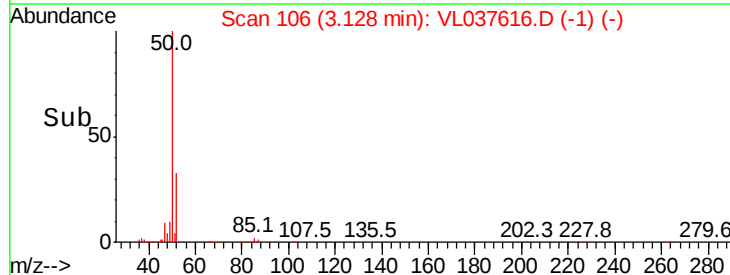
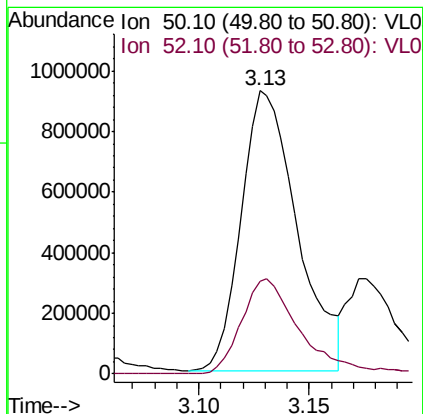
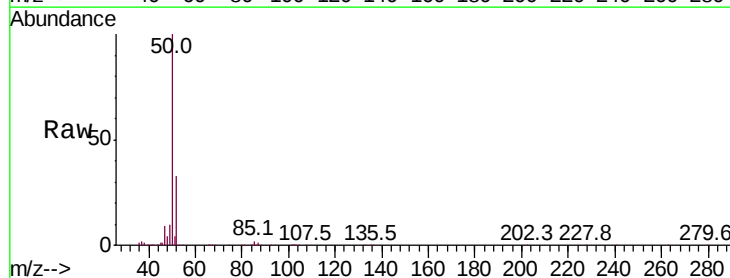
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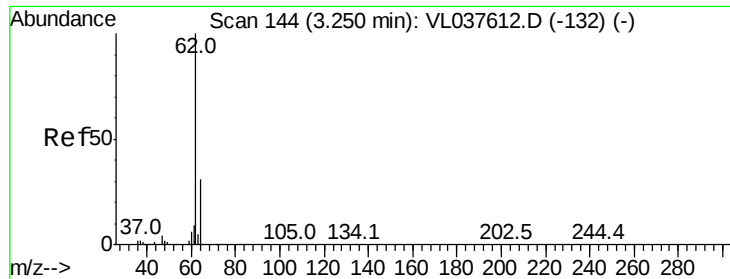


#4

Chloromethane
Concen: 14.716 ppbv
RT: 3.13 min Scan# 106
Delta R.T. -0.00 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Tgt Ion: 50 Resp: 1639672
Ion Ratio Lower Upper
50 100
52 33.1 27.1 40.7





#5

Vinyl Chloride

Concen: 14.513 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 62 Resp: 1656679

Ion Ratio Lower Upper

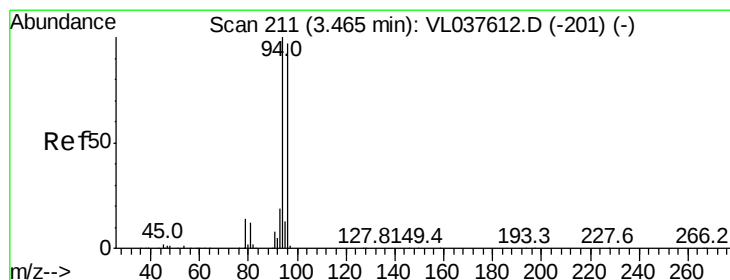
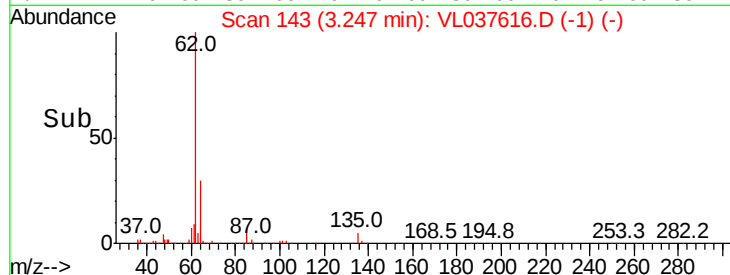
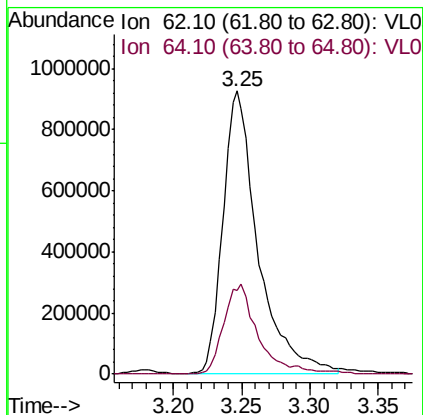
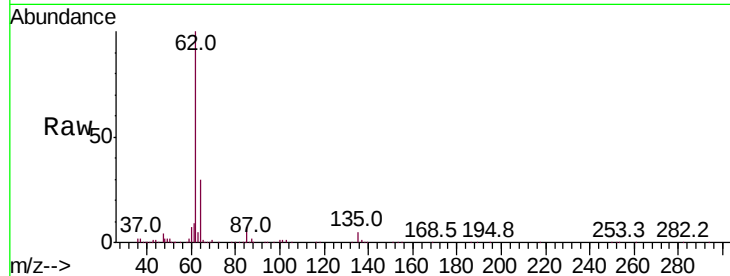
62 100

64 29.7 24.9 37.3

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#6

Bromomethane

Concen: 14.522 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.00 min

Lab File: VL037616.D

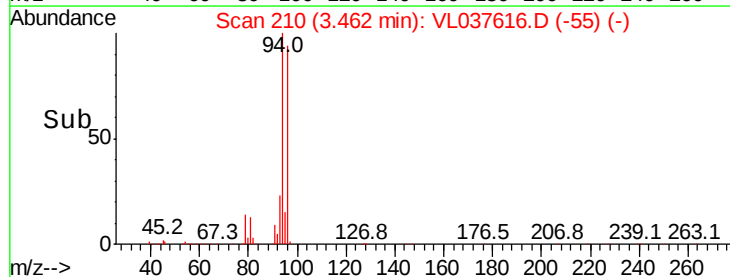
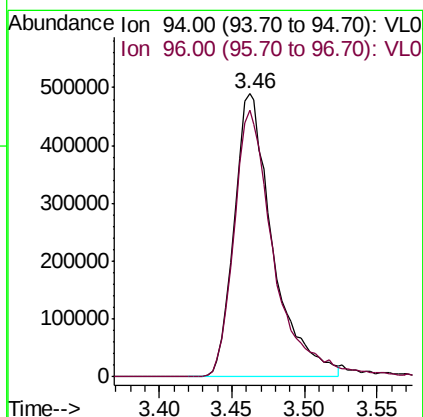
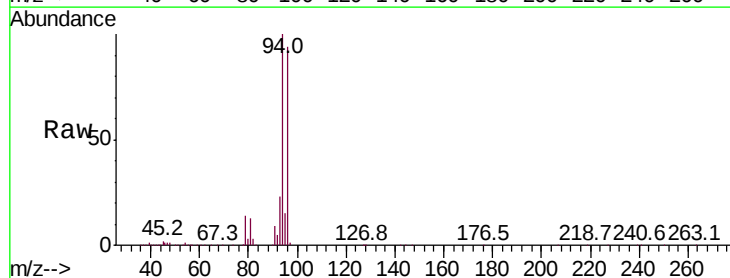
Acq: 16 Sep 2021 12:50

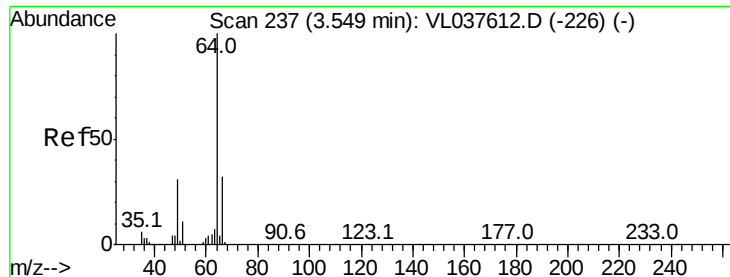
Tgt Ion: 94 Resp: 908098

Ion Ratio Lower Upper

94 100

96 94.1 77.3 115.9





#7

Chloroethane

Concen: 14.941 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.01 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 64 Resp: 582129

Ion Ratio Lower Upper

64 100

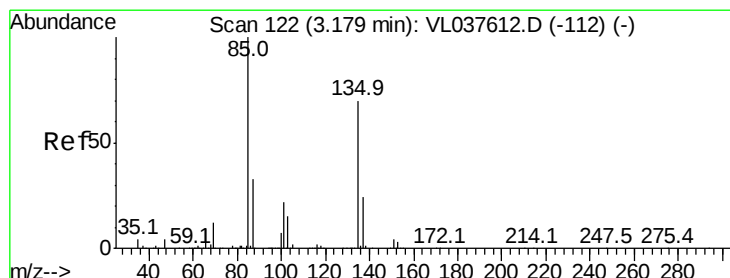
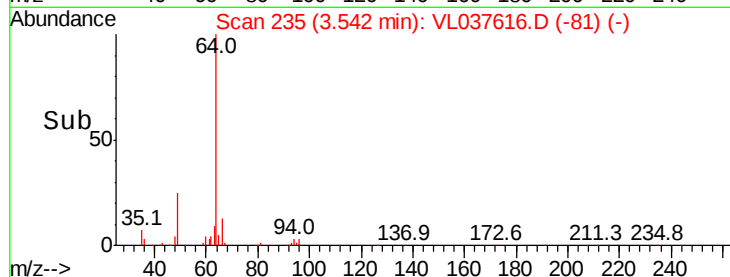
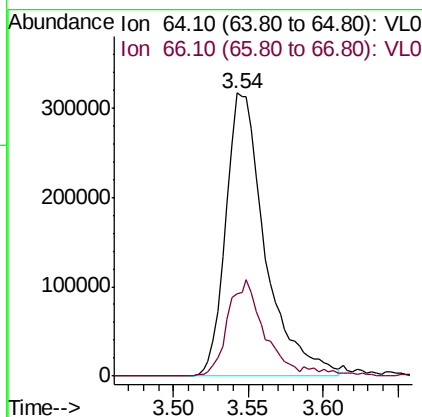
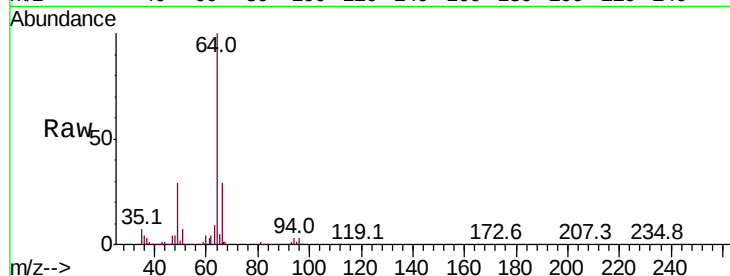
66 29.3 25.3 37.9

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 13.343 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.00 min

Lab File: VL037616.D

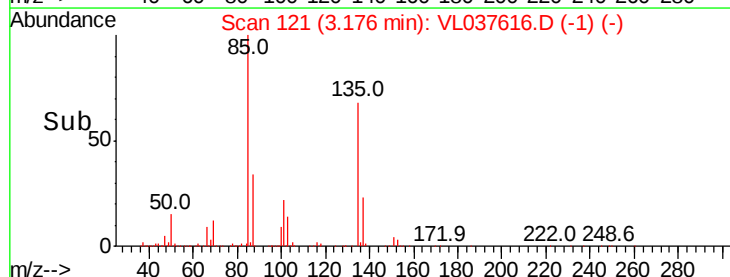
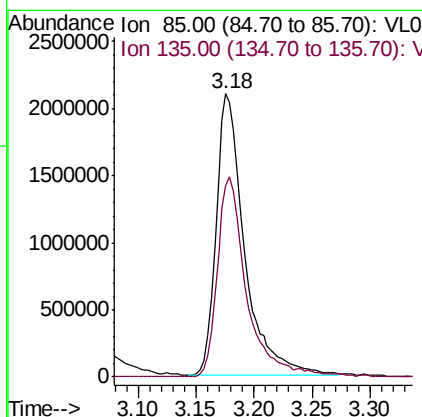
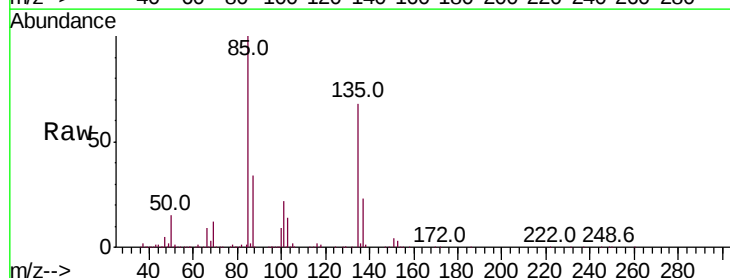
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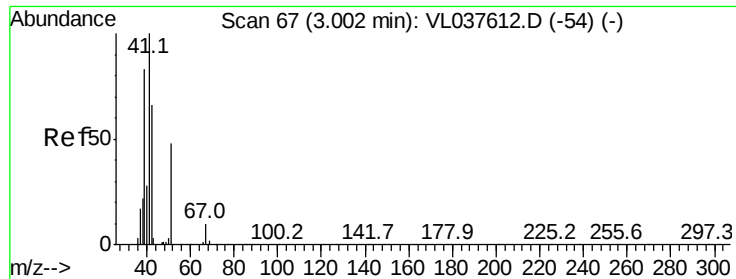
Tgt Ion: 85 Resp: 3598726

Ion Ratio Lower Upper

85 100

135 73.6 59.3 88.9





#9

Propene

Concen: 14.457 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 41 Resp: 1612862

Ion Ratio Lower Upper

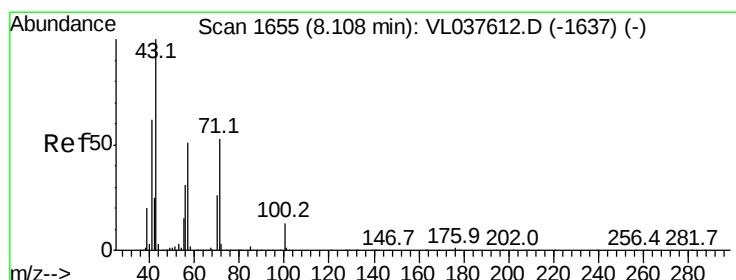
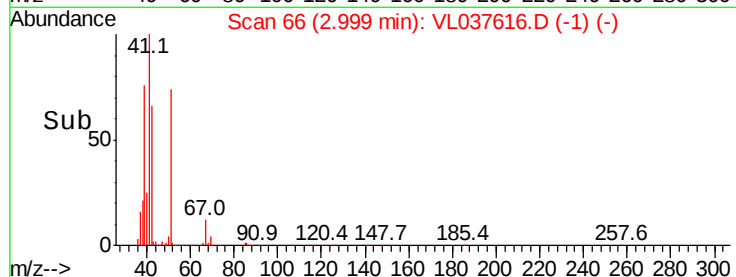
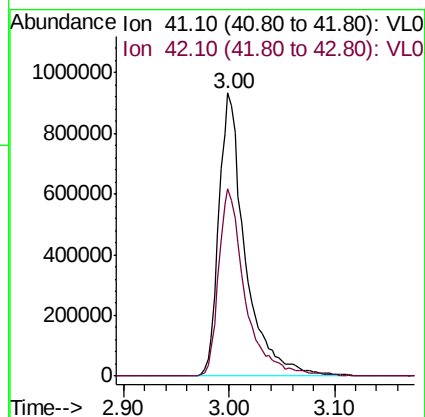
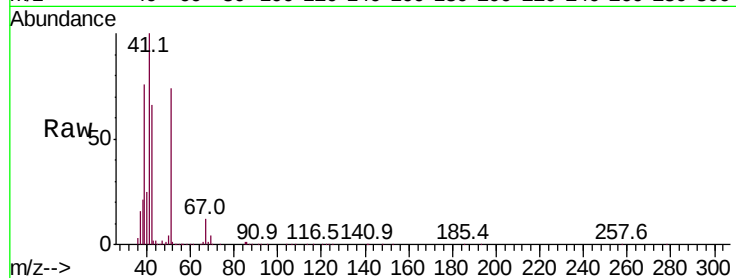
41 100

42 67.1 57.2 85.8

Manual Integrations
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#10

Heptane

Concen: 15.364 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VL037616.D

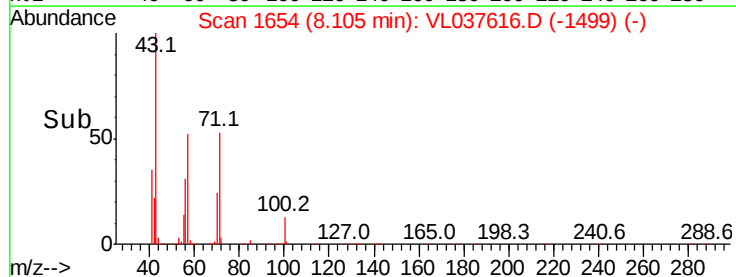
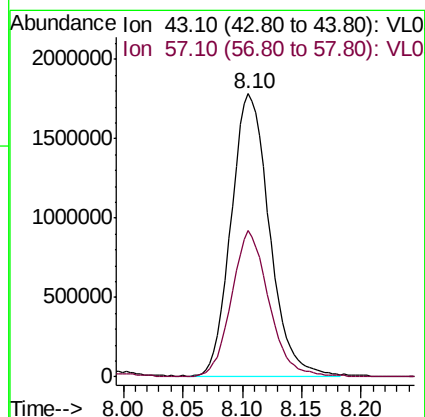
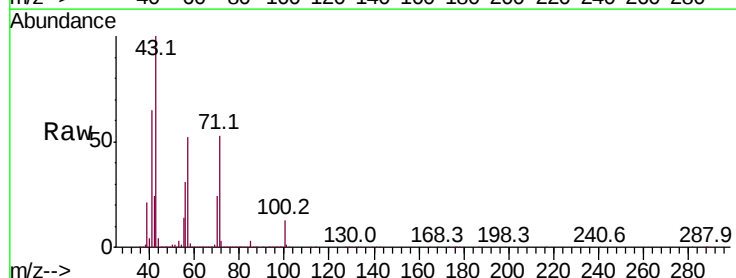
Acq: 16 Sep 2021 12:50

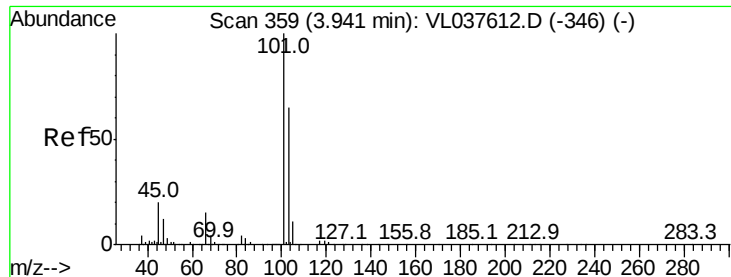
Tgt Ion: 43 Resp: 3945221

Ion Ratio Lower Upper

43 100

57 50.8 40.1 60.1





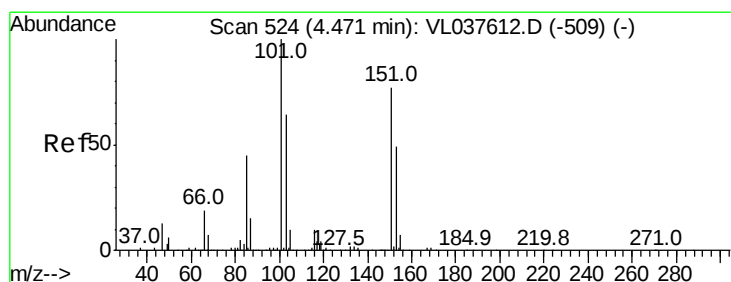
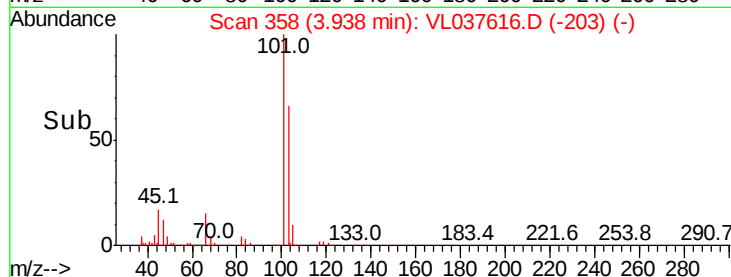
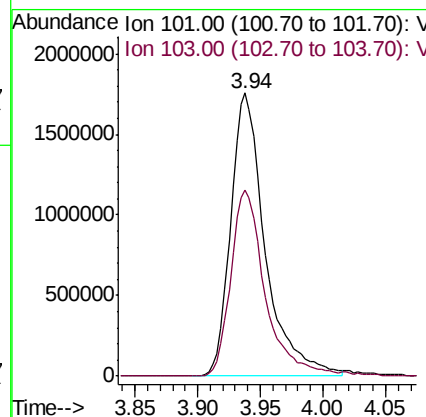
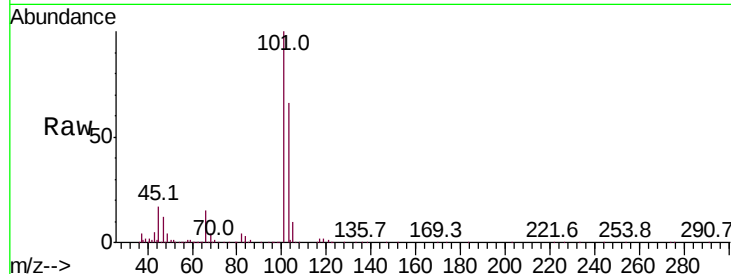
#11
 Trichlorofluoromethane
 Concen: 13.653 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.00 min
 Lab File: VL037616.D
 Acq: 16 Sep 2021 12:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:101 Resp: 3348310
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.9 77.9

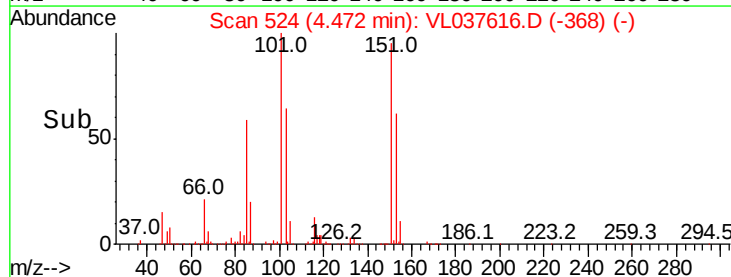
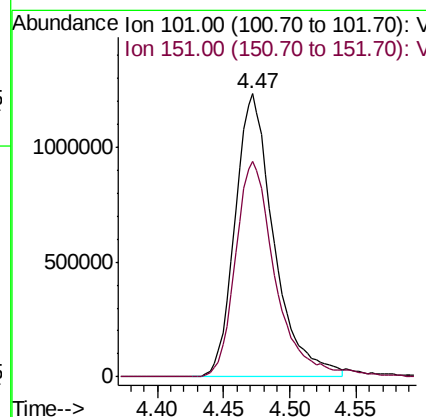
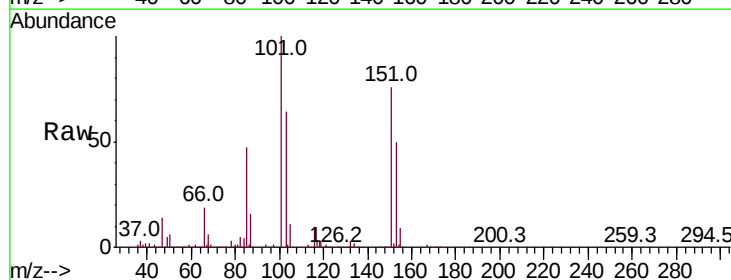
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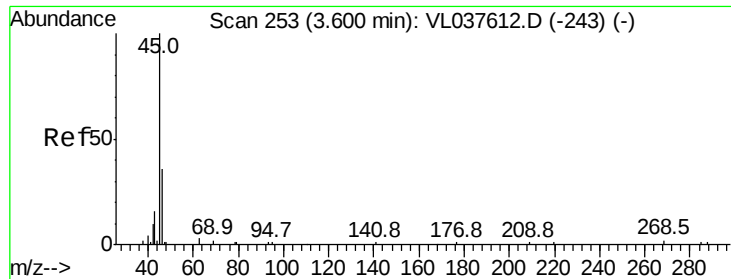
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 13.966 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: VL037616.D
 Acq: 16 Sep 2021 12:50

Tgt Ion:101 Resp: 2513379
 Ion Ratio Lower Upper
 101 100
 151 78.8 63.5 95.3





#13

Ethanol

Concen: 12.351 ppbv m

RT: 3.60 min Scan# 252

Delta R.T. -0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 45 Resp: 134084

Ion Ratio Lower Upper

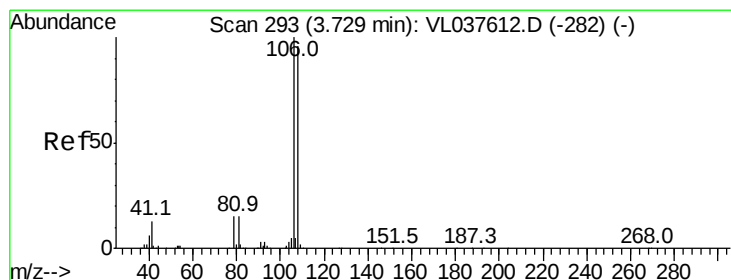
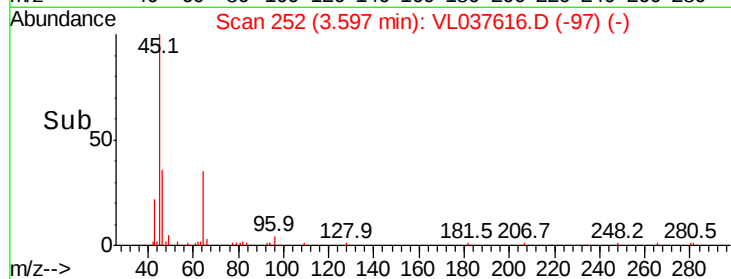
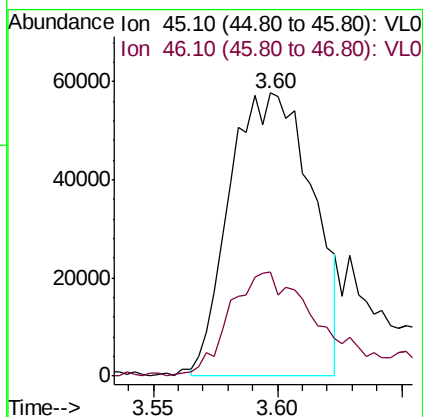
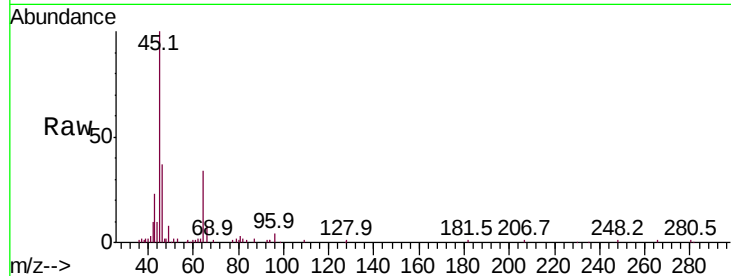
45 100

46 47.9 17.2 68.8

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#14

Bromoethene

Concen: 14.465 ppbv

RT: 3.73 min Scan# 293

Delta R.T. 0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

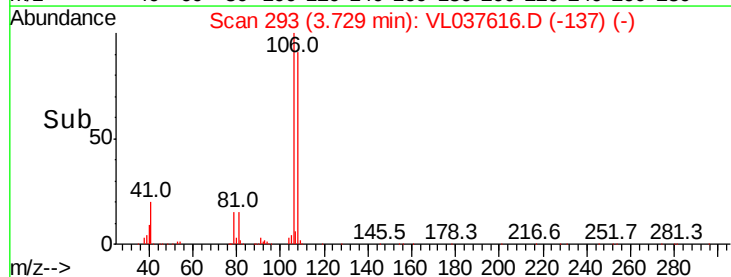
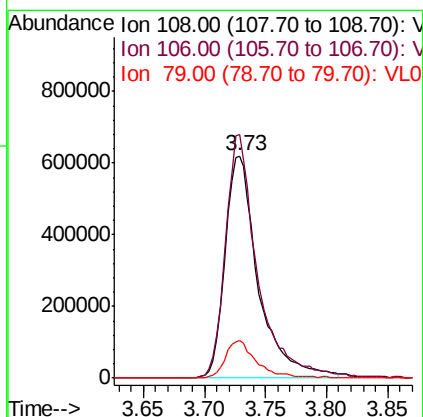
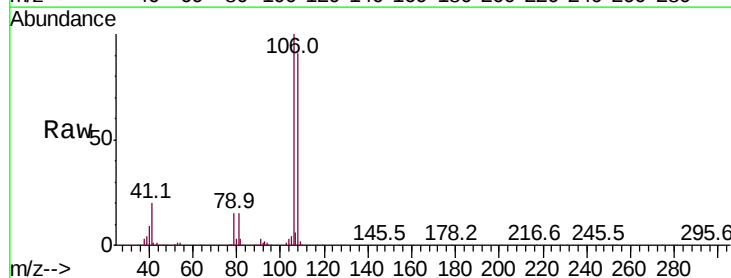
Tgt Ion: 108 Resp: 1181805

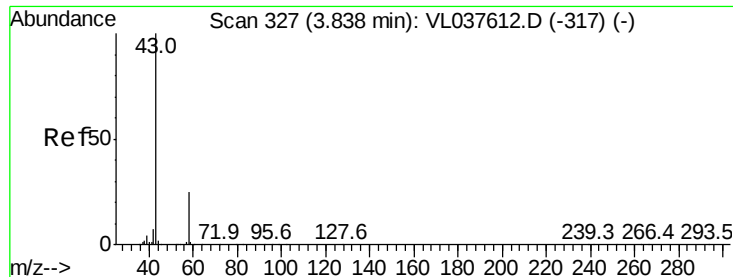
Ion Ratio Lower Upper

108 100

106 107.5 88.2 132.4

79 16.3 12.8 19.2





#15

Acetone

Concen: 12.085 ppbv

RT: 3.84 min Scan# 326

Delta R.T. -0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 2002666

Ion Ratio Lower Upper

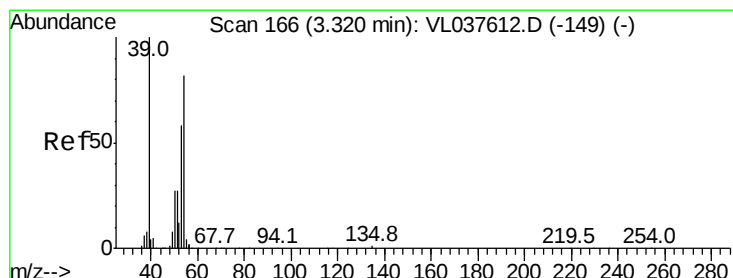
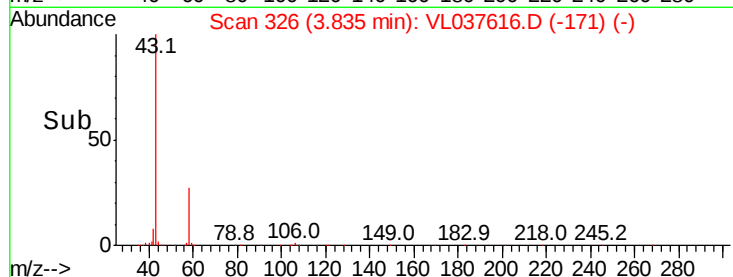
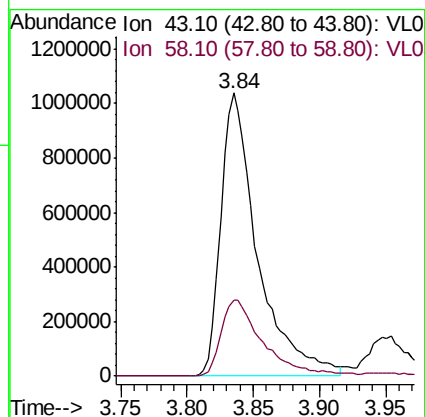
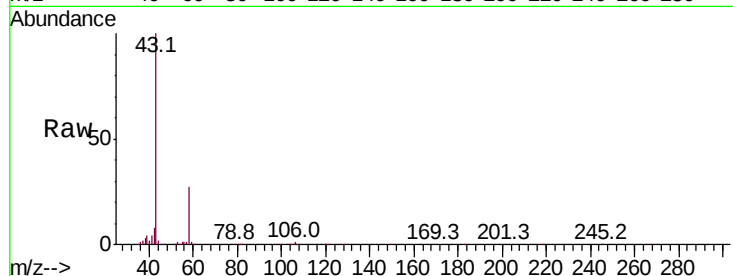
43 100

58 31.0 24.9 37.3

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#16

1,3-Butadiene

Concen: 15.056 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL037616.D

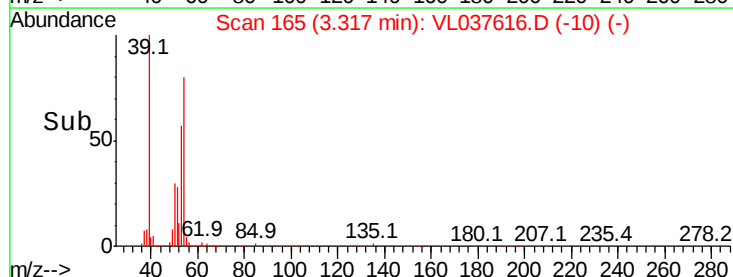
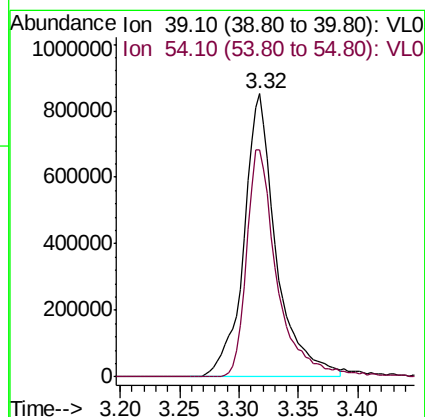
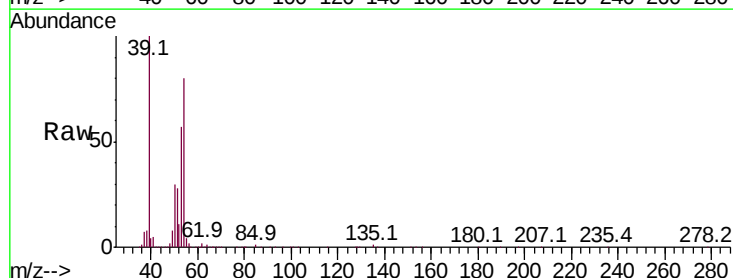
Acq: 16 Sep 2021 12:50

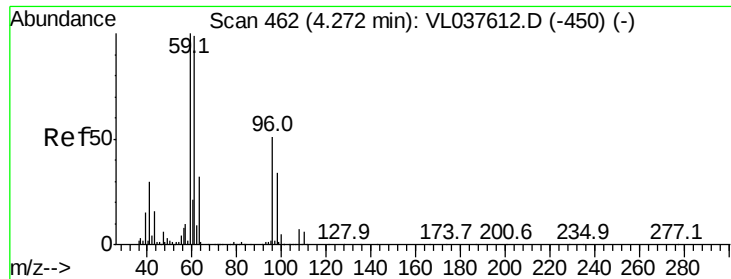
Tgt Ion: 39 Resp: 1600472

Ion Ratio Lower Upper

39 100

54 76.9 62.6 93.8





#17

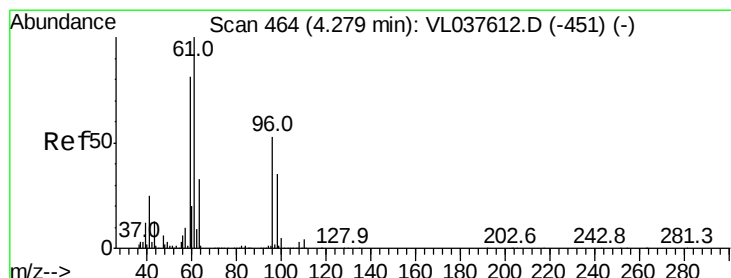
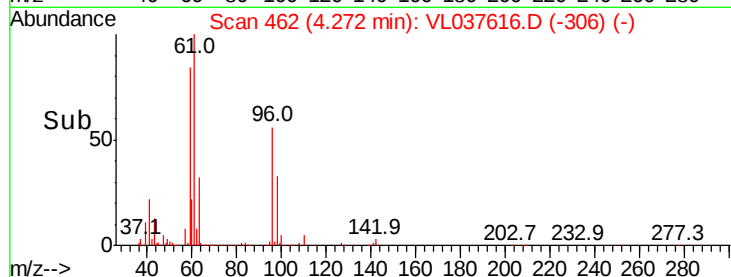
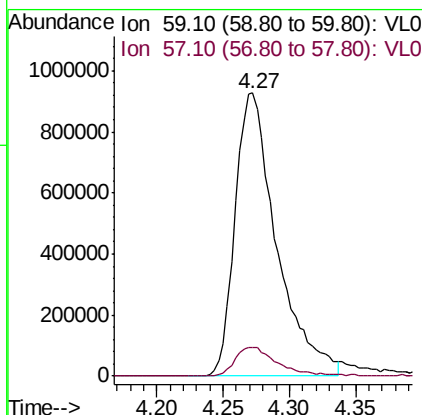
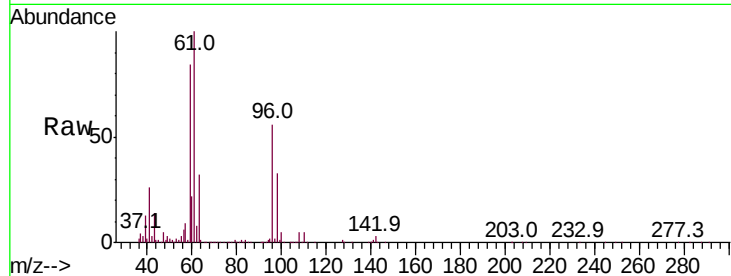
tert-Butyl alcohol
Concen: 13.357 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Instrument :
MSVOA_L
ClientSampled :
VSTDIC015

Tot Ion: 59 Resp: 2022065
Ion Ratio Lower Upper
59 100
57 10.7 8.4 12.6

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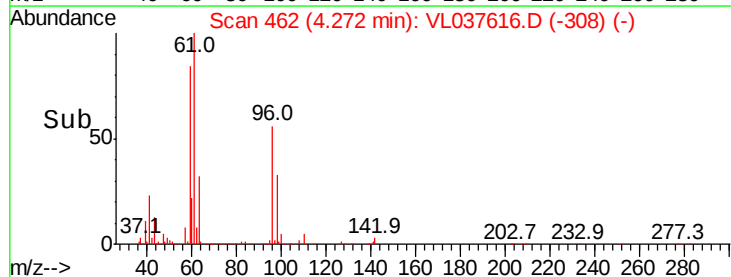
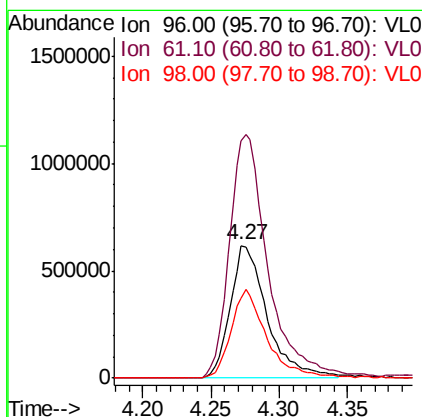
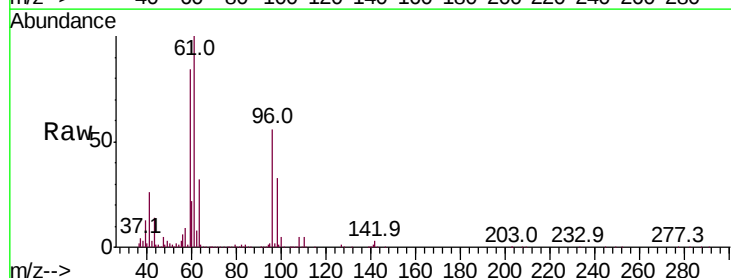
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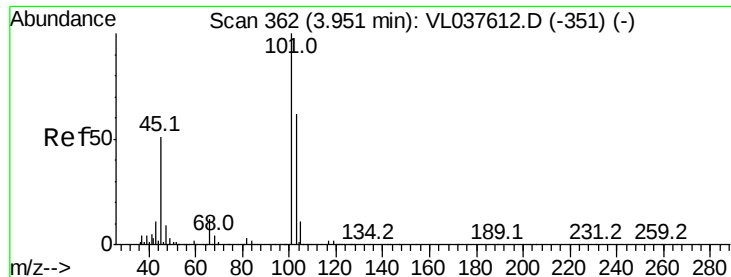


#18

1,1-Dichloroethene
Concen: 14.203 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.01 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Tgt Ion: 96 Resp: 1161065
Ion Ratio Lower Upper
96 100
61 178.9 150.4 225.6
98 59.8 52.1 78.1





#19

Isopropyl Alcohol

Concen: 12.754 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 45 Resp: 1210874

Ion Ratio Lower Upper

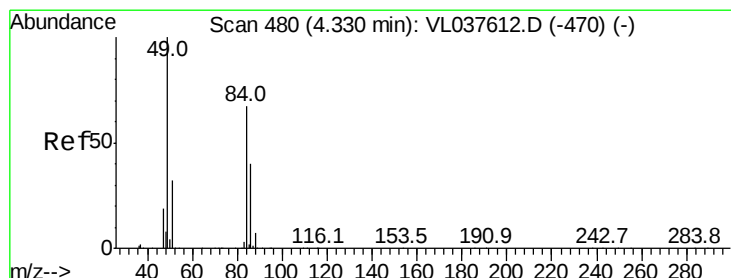
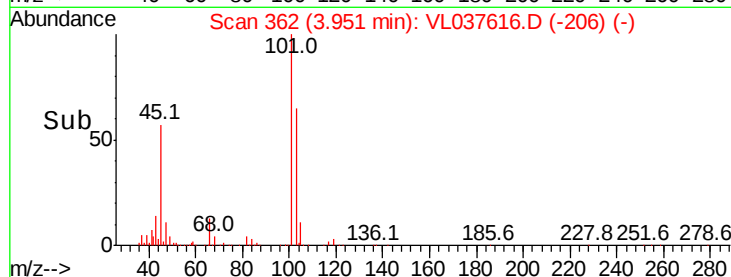
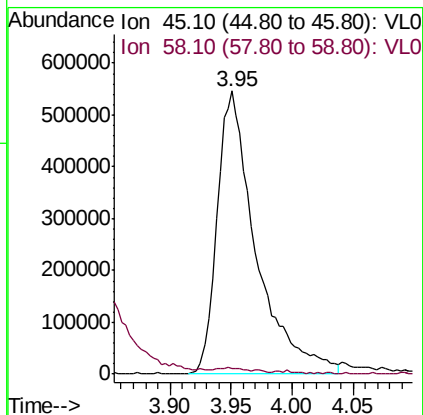
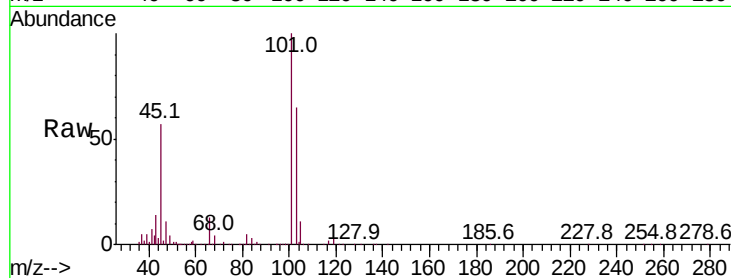
45 100

58 2.4 2.9 4.3#

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#20

Methylene Chloride

Concen: 12.211 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

Tgt Ion: 84 Resp: 1013178

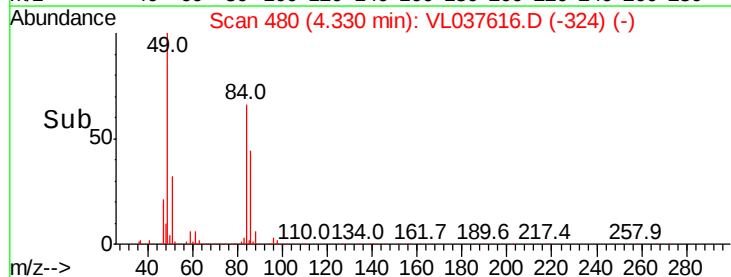
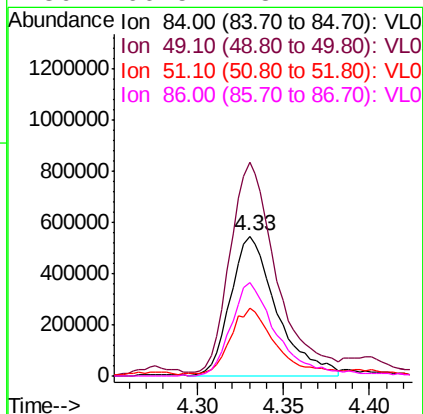
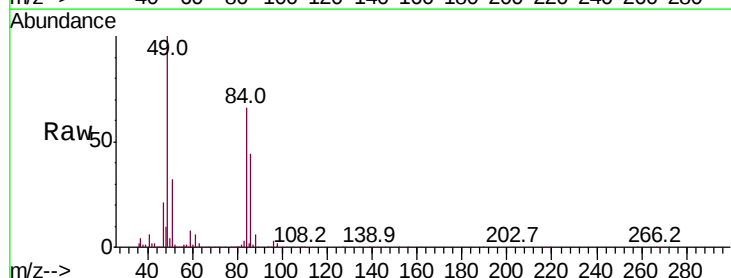
Ion Ratio Lower Upper

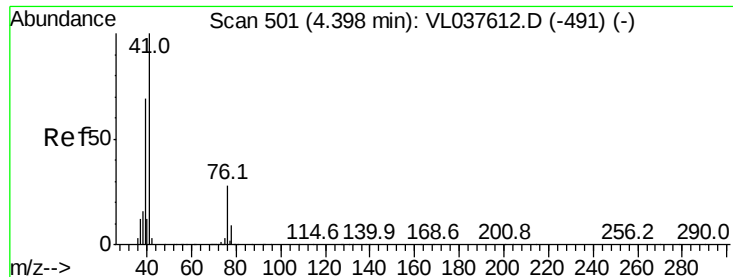
84 100

49 150.5 120.0 180.0

51 47.4 38.0 57.0

86 66.5 48.2 72.2





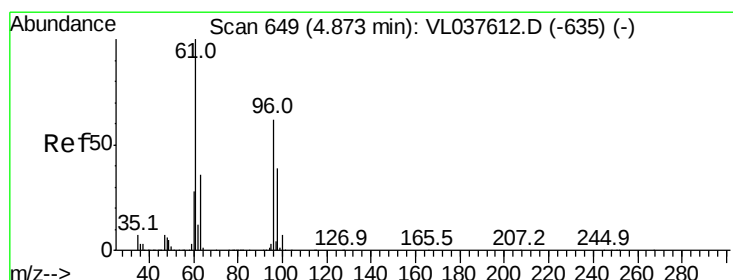
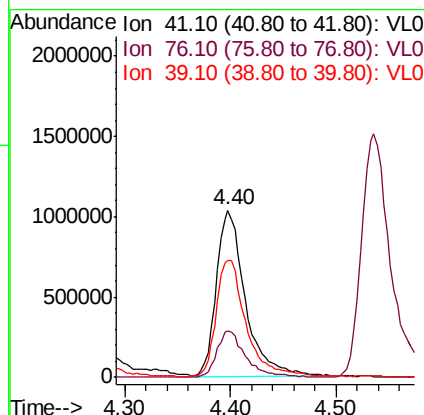
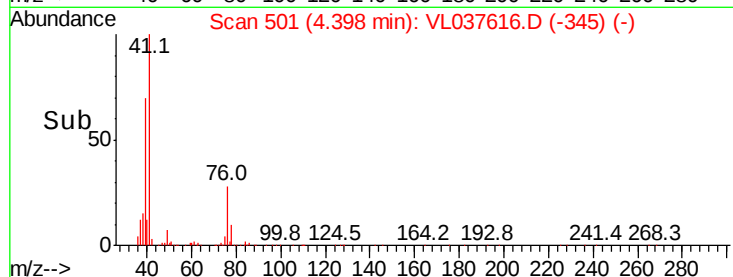
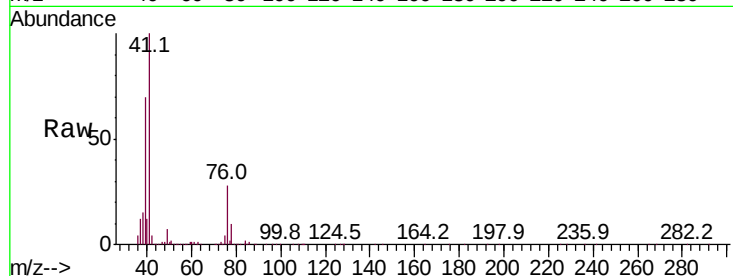
#21
Allvl Chloride
Concen: 14.719 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
41	100		
76	27.8	23.1	34.7
39	71.9	61.0	91.6

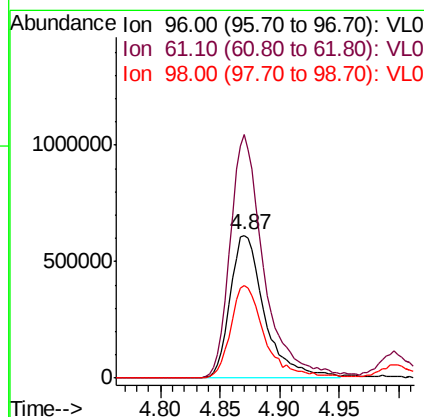
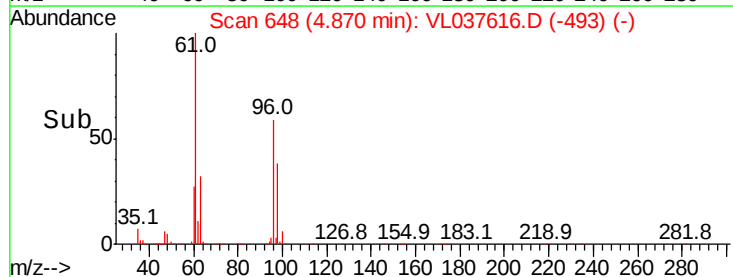
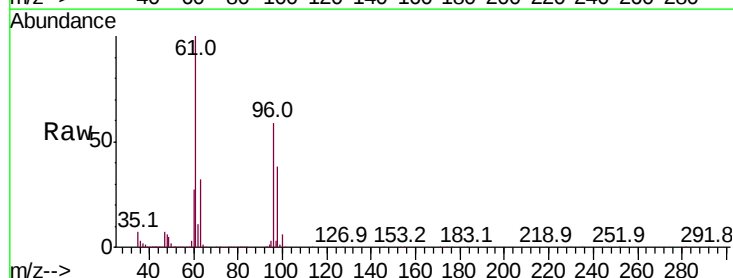
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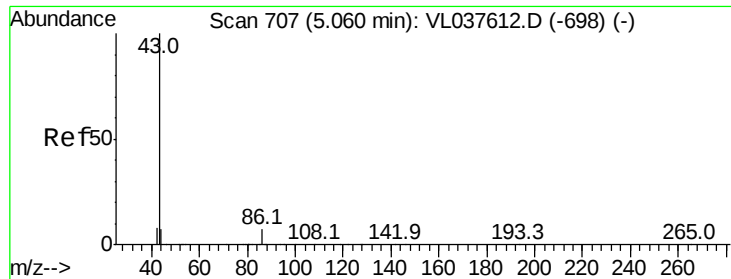
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 15.186 ppbv
RT: 4.87 min Scan# 648
Delta R.T. -0.00 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.5	129.2	193.8
98	65.1	50.4	75.6





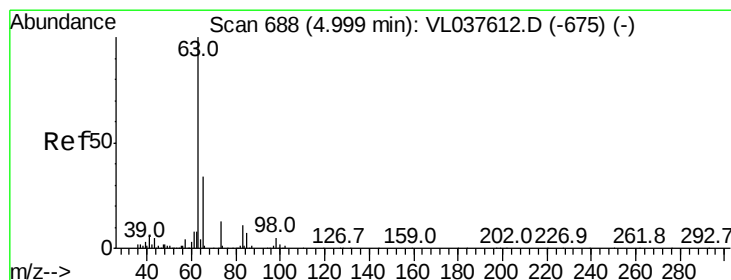
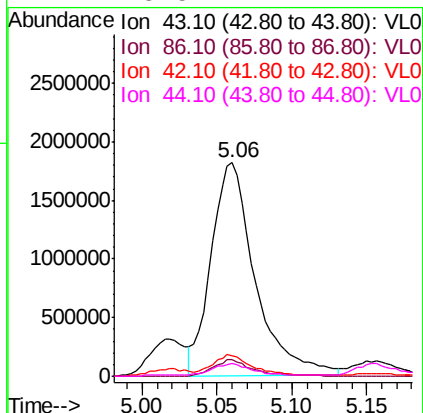
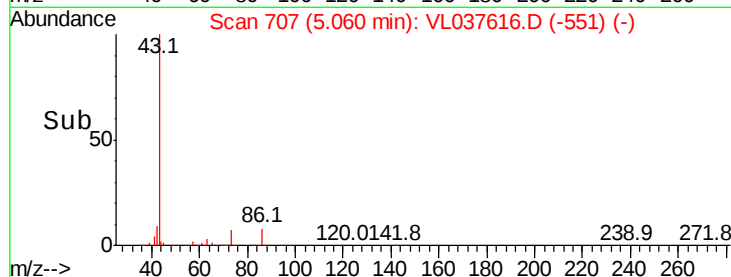
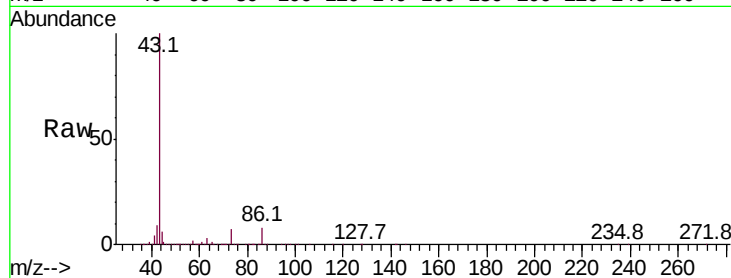
#23
 Vinyl Acetate
 Concen: 15.274 ppbv
 RT: 5.06 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VL037616.D
 Acq: 16 Sep 2021 12:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 43 Resp: 3730907
 Ion Ratio Lower Upper
 43 100
 86 7.8 5.0 7.6#
 42 9.3 7.5 11.3
 44 5.5 4.7 7.1

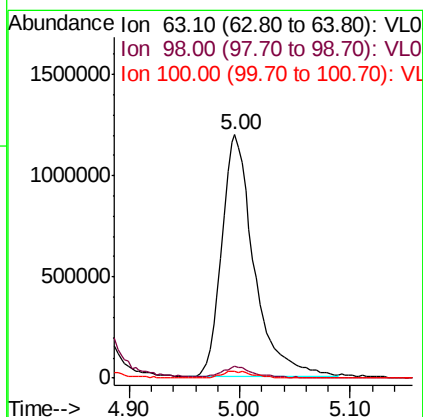
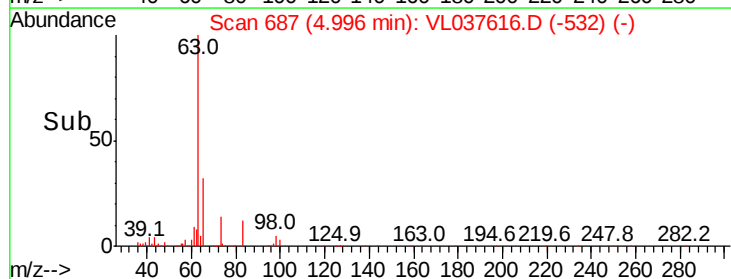
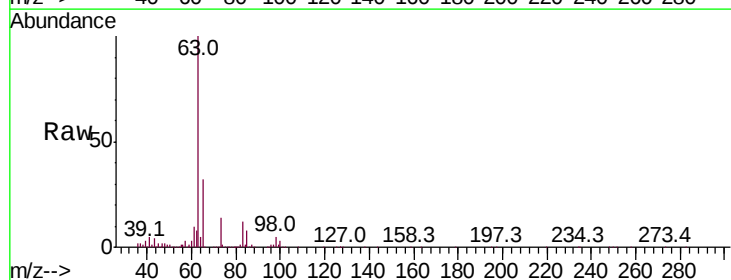
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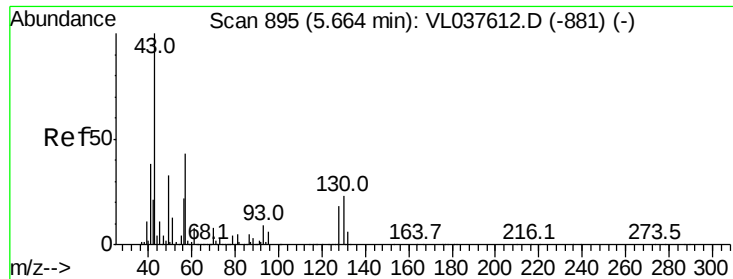
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#24
 1,1-Dichloroethane
 Concen: 13.725 ppbv
 RT: 5.00 min Scan# 687
 Delta R.T. -0.00 min
 Lab File: VL037616.D
 Acq: 16 Sep 2021 12:50

Tgt Ion: 63 Resp: 2431563
 Ion Ratio Lower Upper
 63 100
 98 4.7 2.4 7.2
 100 2.7 1.1 3.5





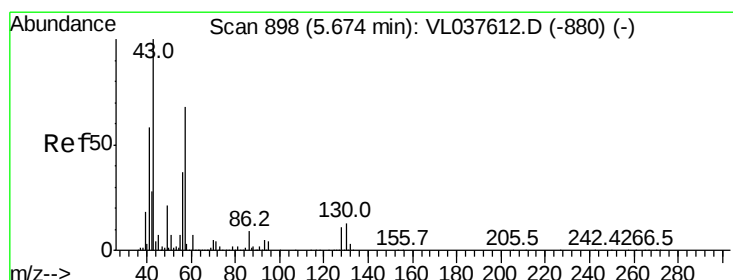
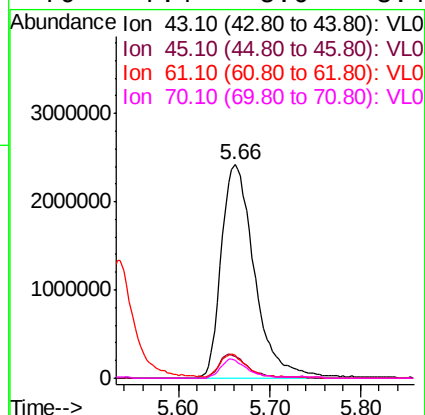
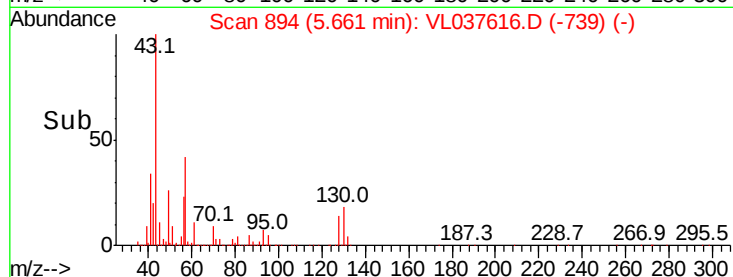
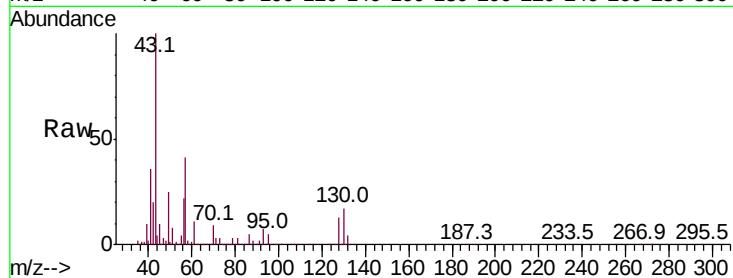
#25
Ethyl Acetate
Concen: 14.579 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.0	12.0
61	10.2	7.5	11.3
70	7.4	5.6	8.4

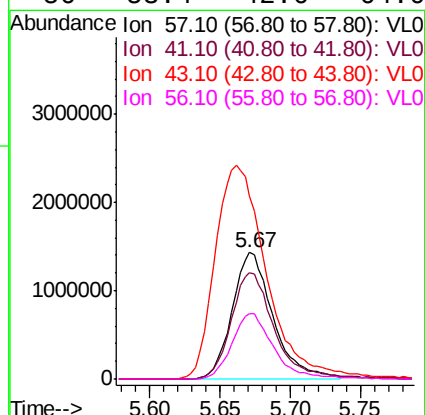
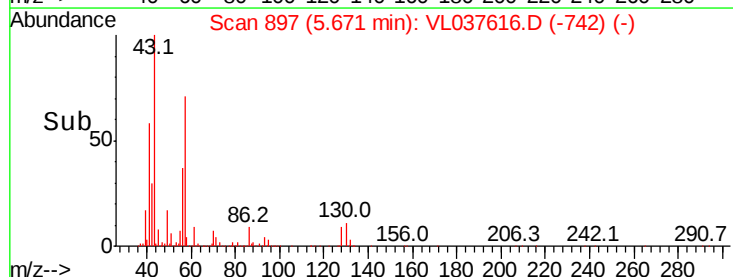
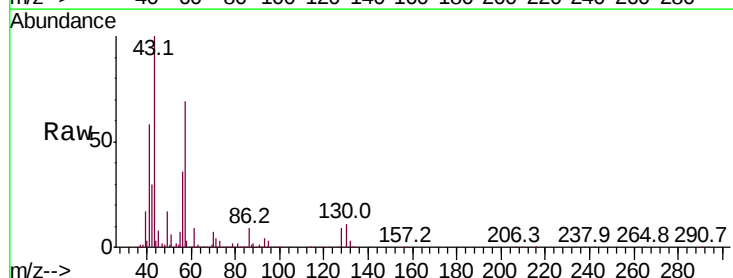
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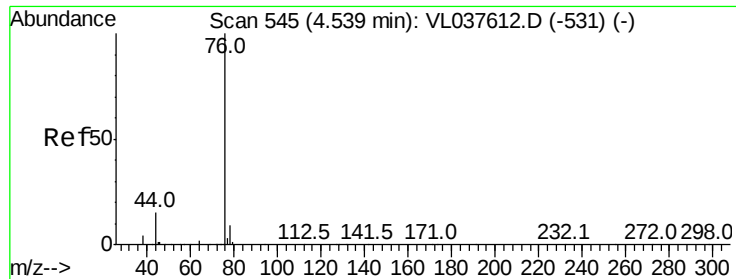
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#26
Hexane
Concen: 14.117 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Tgt Ion	Ratio	Lower	Upper
57	100		
41	89.1	70.9	106.3
43	212.7	170.4	255.6
56	53.4	42.6	64.0





#27

Carbon Disulfide

Concen: 16.150 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 76 Resp: 2960447

Ion Ratio Lower Upper

76 100

44 17.3 14.2 21.2

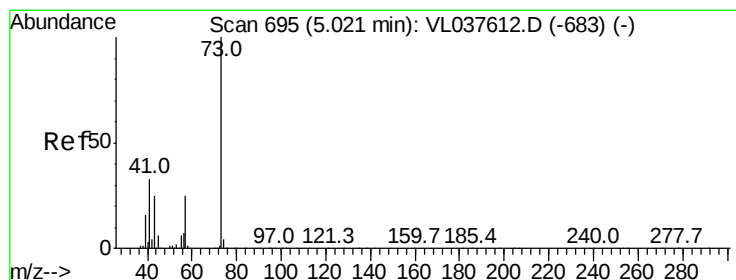
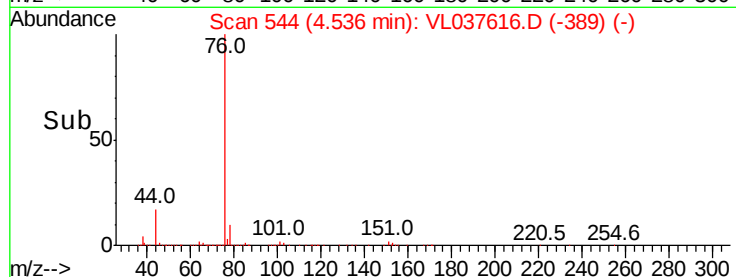
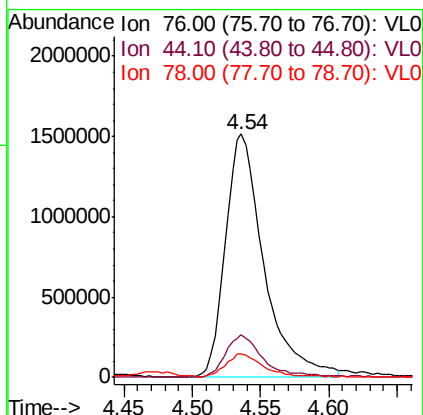
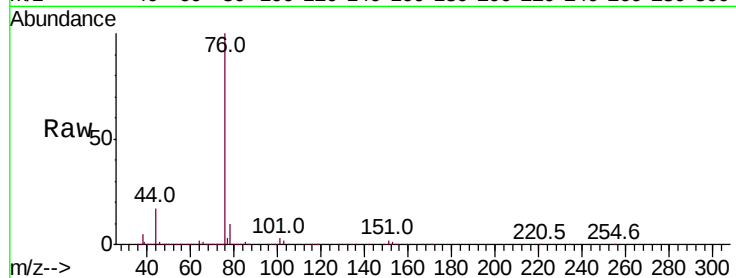
78 10.0 7.4 11.0

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#28

Methyl tert-Butyl Ether

Concen: 12.784 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.00 min

Lab File: VL037616.D

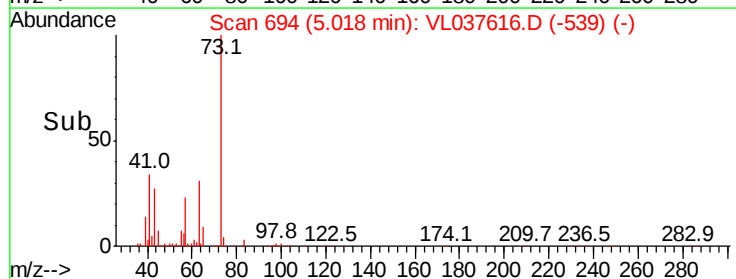
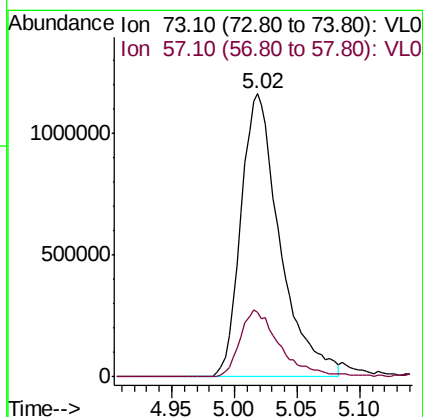
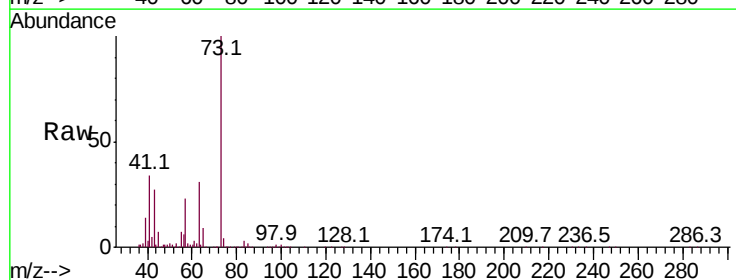
Acq: 16 Sep 2021 12:50

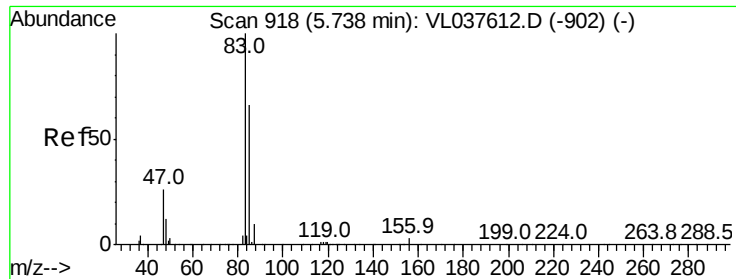
Tgt Ion: 73 Resp: 2525400

Ion Ratio Lower Upper

73 100

57 24.4 20.1 30.1





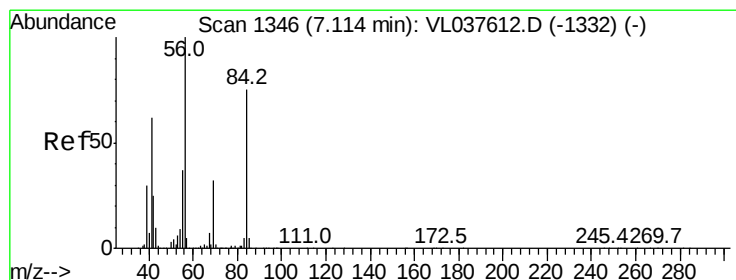
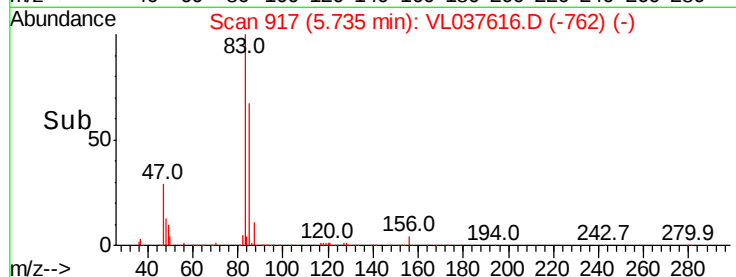
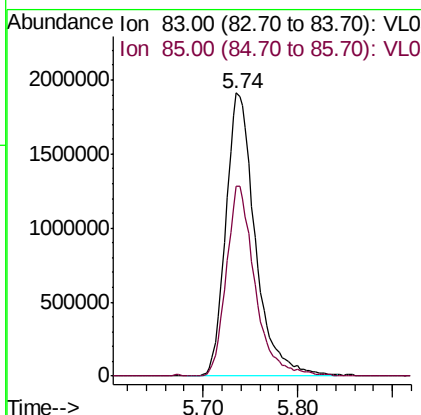
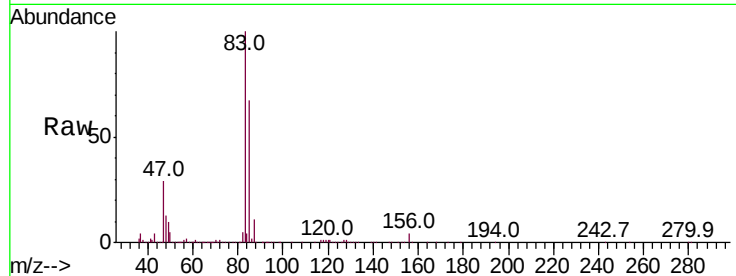
#29
Chloroform
Concen: 14.197 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 83 Resp: 4138493
Ion Ratio Lower Upper
83 100
85 66.8 52.6 79.0

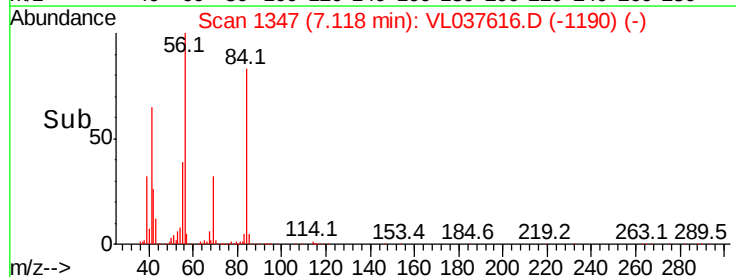
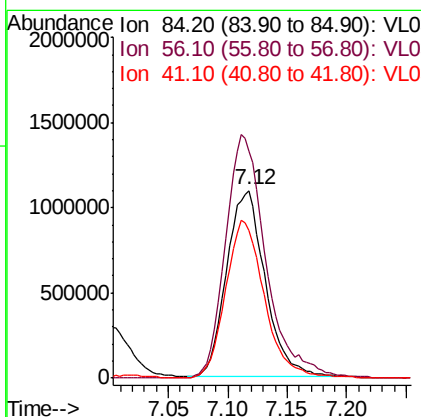
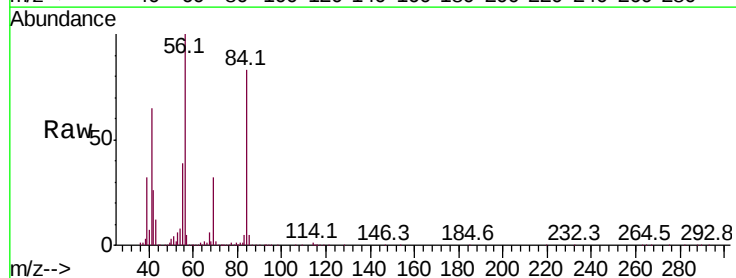
Manual Integrations
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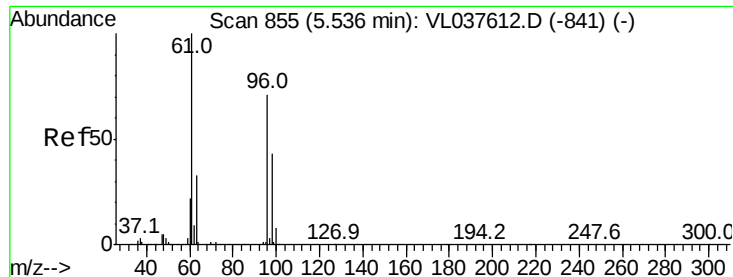
MMDadoda
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#30
Cyclohexane
Concen: 14.360 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Tgt Ion: 84 Resp: 2461110
Ion Ratio Lower Upper
84 100
56 137.9 113.6 170.4
41 85.6 67.9 101.9





#31

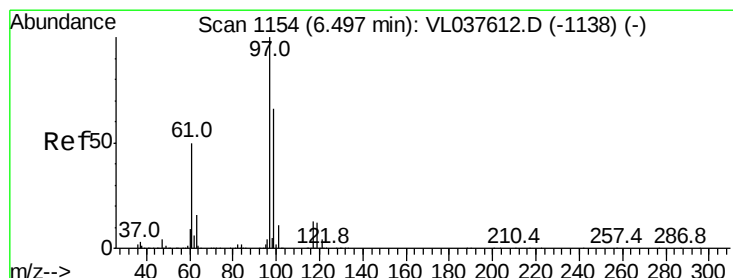
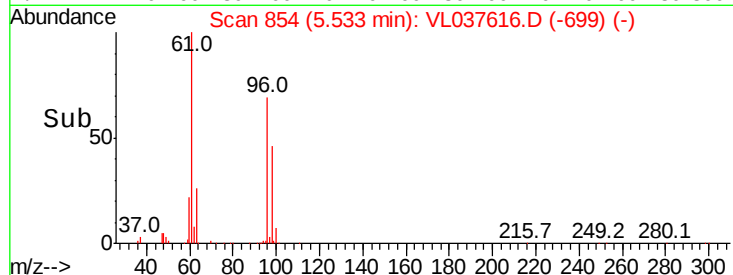
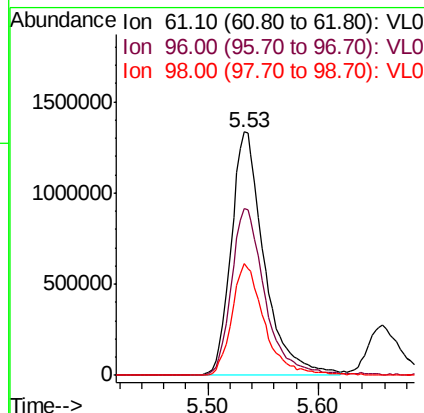
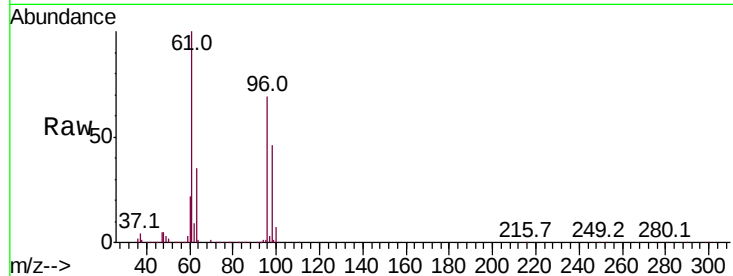
cis-1,2-Dichloroethene
 Concen: 14.876 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VL037616.D
 Acq: 16 Sep 2021 12:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
61	100		
96	68.7	56.7	85.1
98	45.7	34.6	52.0

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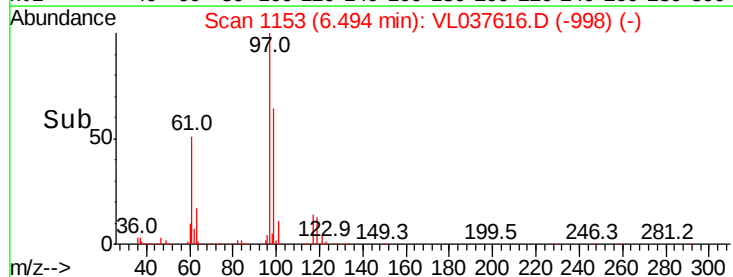
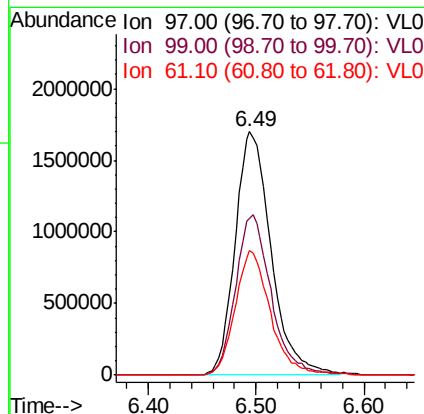
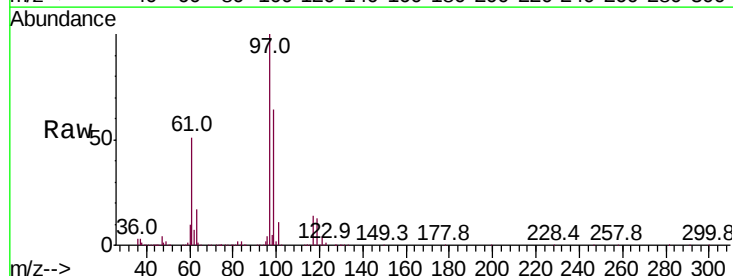
MMDadoda
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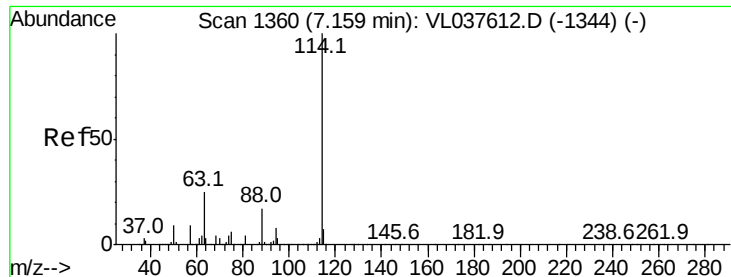


#32

1,1,1-Trichloroethane
 Concen: 13.805 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VL037616.D
 Acq: 16 Sep 2021 12:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.3	78.5
61	50.1	39.5	59.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

Instrument :
MSVOA_L

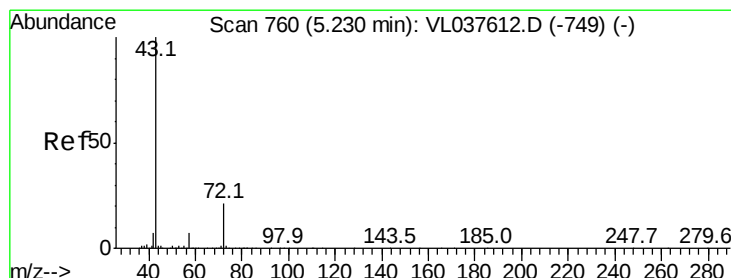
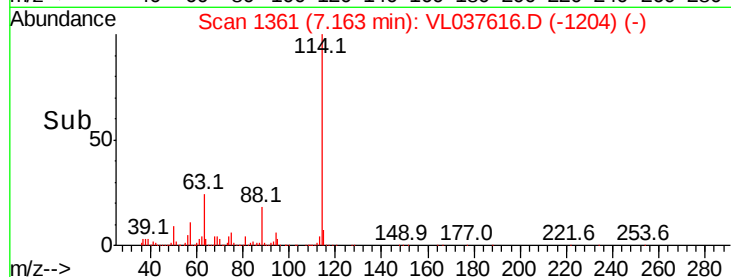
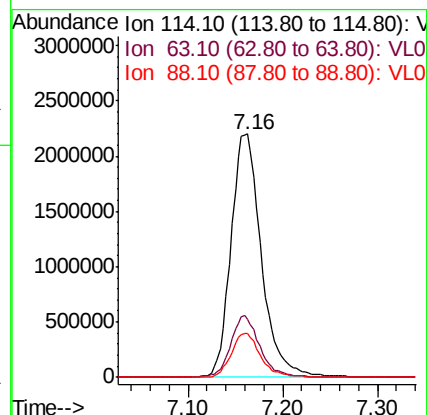
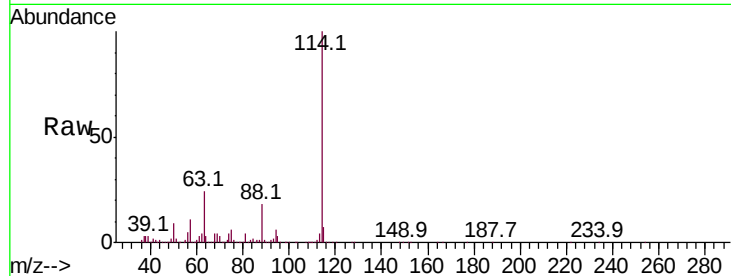
ClientSampleId :
VSTDIC015

Tot Ion:114 Resp: 4909095

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.6	29.4
88	17.7	14.2	21.4

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#34

2-Butanone

Concen: 13.561 ppbv

RT: 5.23 min Scan# 759

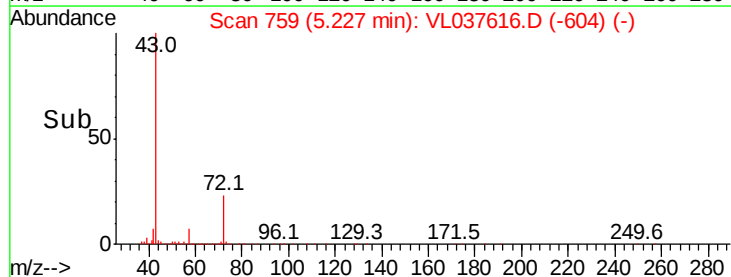
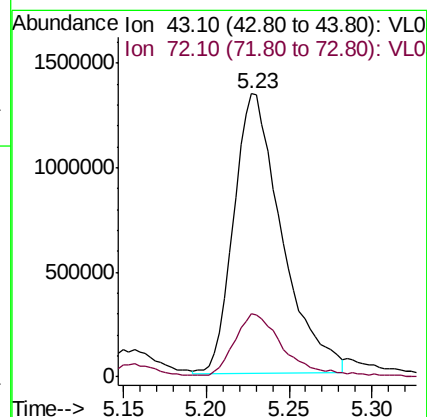
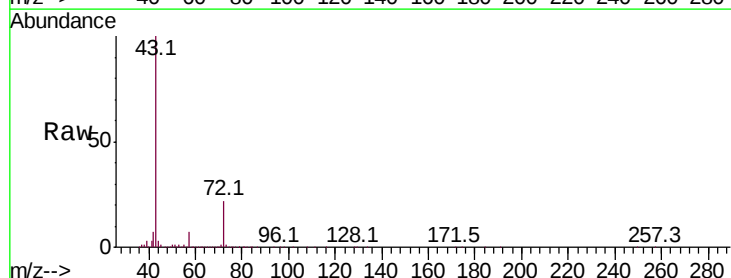
Delta R.T. -0.00 min

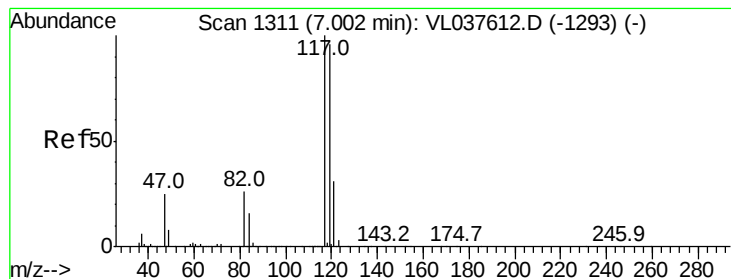
Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

Tgt Ion: 43 Resp: 2718525

Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.4	27.6





#35

Carbon Tetrachloride

Concen: 14.303 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:117 Resp: 4149523

Ion Ratio Lower Upper

117 100

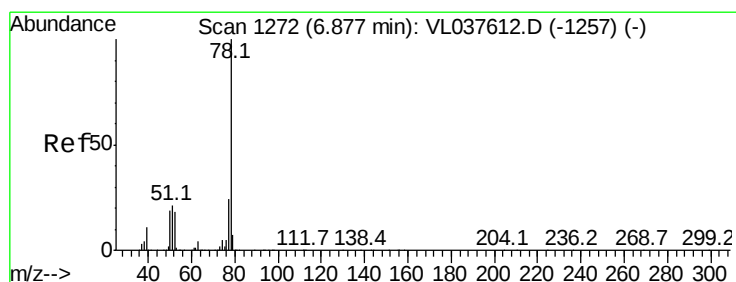
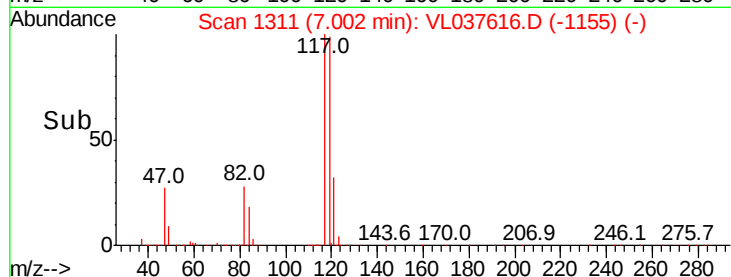
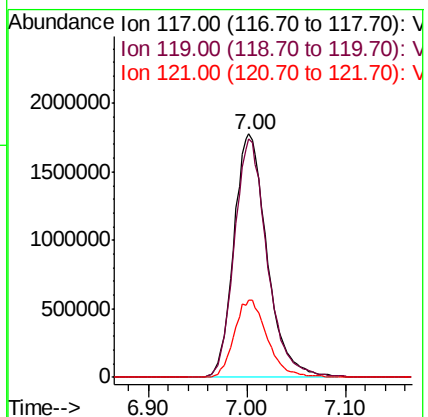
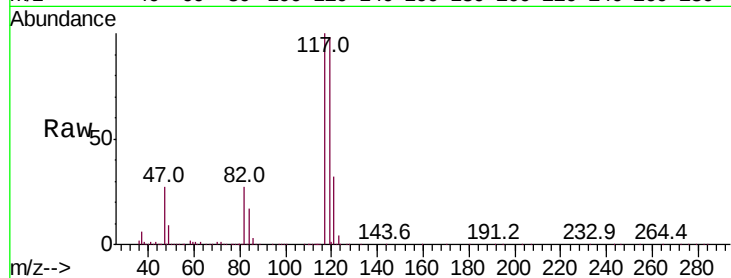
119 97.7 77.0 115.6

121 31.7 24.5 36.7

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#36

Benzene

Concen: 14.519 ppbv

RT: 6.87 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

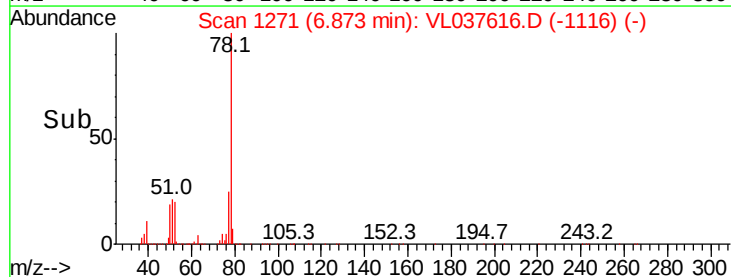
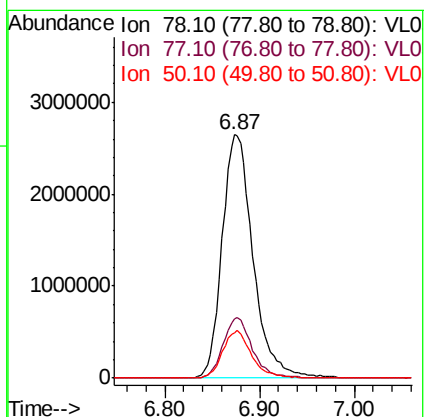
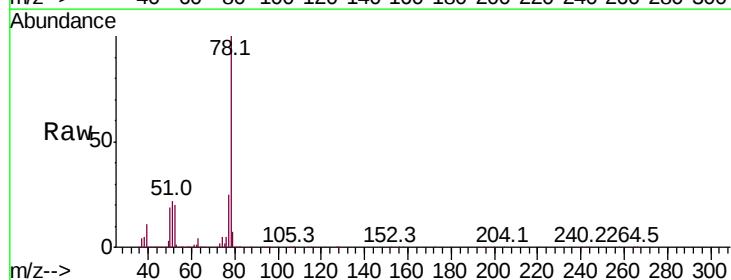
Tgt Ion: 78 Resp: 5991581

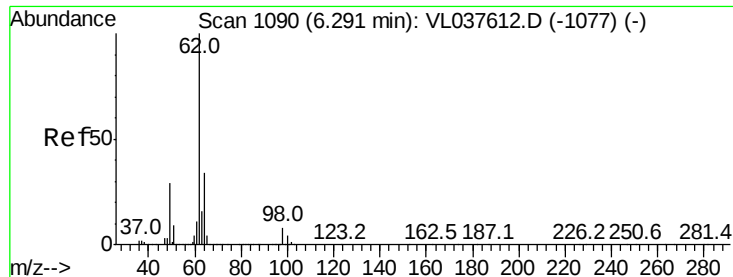
Ion Ratio Lower Upper

78 100

77 24.5 19.0 28.4

50 18.5 14.8 22.2





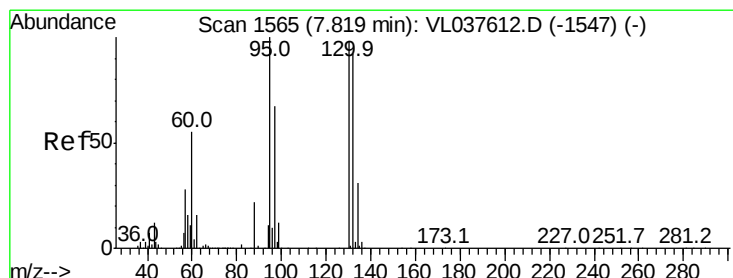
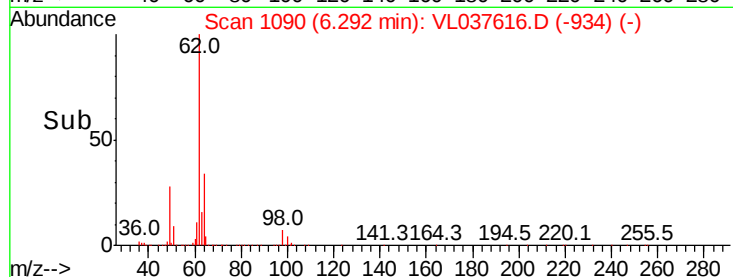
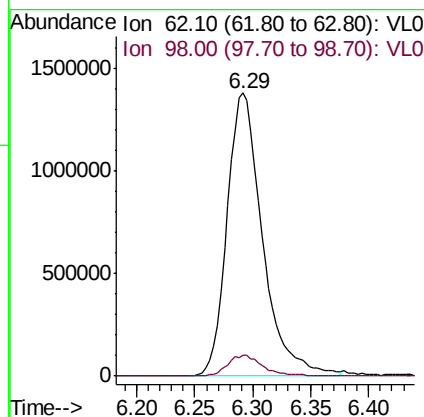
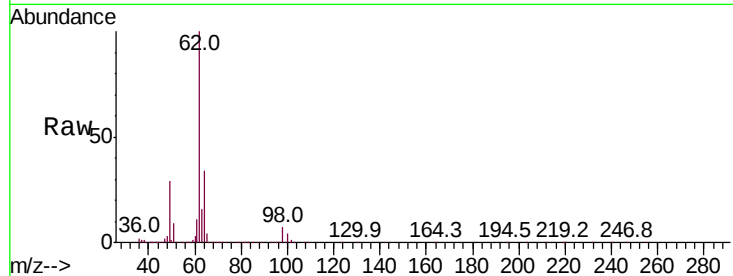
#37
1,2-Dichloroethane
Concen: 14.403 ppbv
RT: 6.29 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.7	6.1	9.1

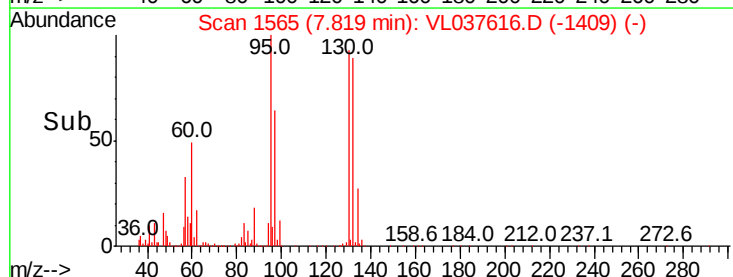
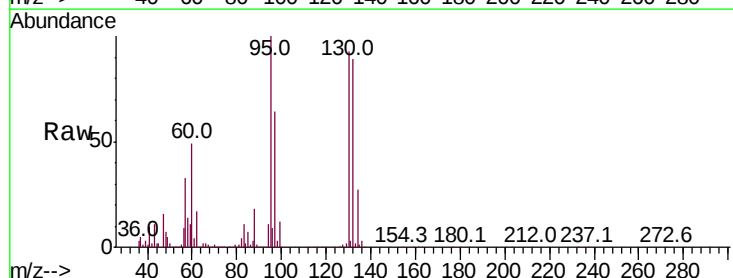
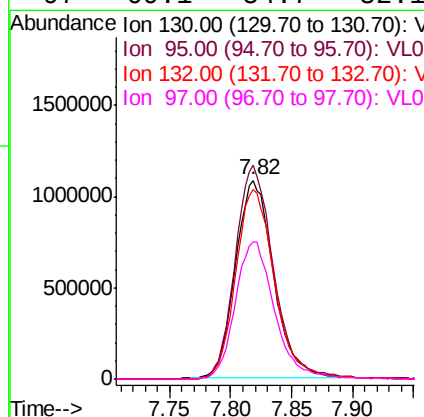
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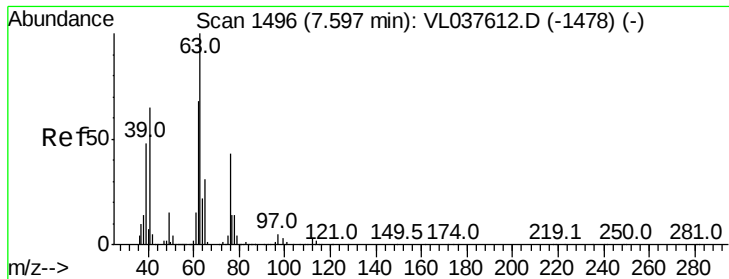
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#38
Trichloroethene
Concen: 13.917 ppbv
RT: 7.82 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.9	81.8	122.6
132	95.5	75.3	112.9
97	69.1	54.7	82.1





#39

1,2-Dichloropropane

Concen: 14.859 ppbv

RT: 7.60 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

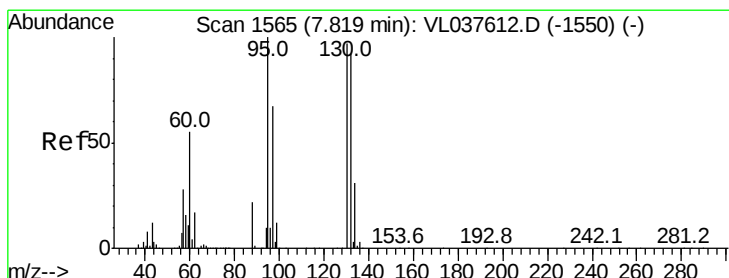
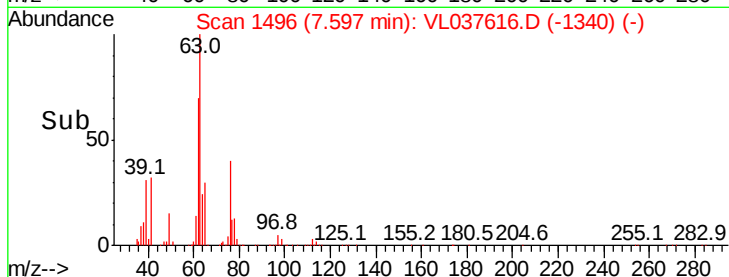
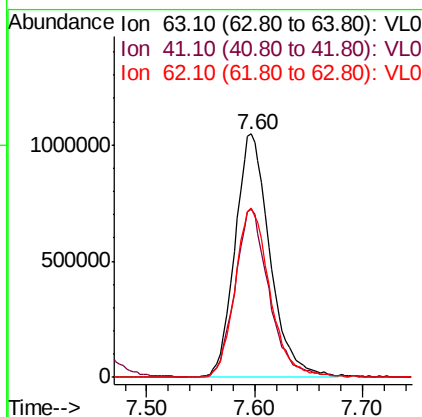
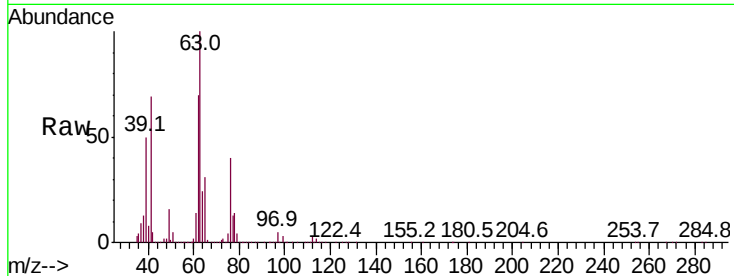
Instrument :
MSVOA_L

ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
63	100		
41	69.0	51.6	77.4
62	69.8	54.6	81.8

Manual Integrations
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#40

1,4-Dioxane

Concen: 13.572 ppbv m

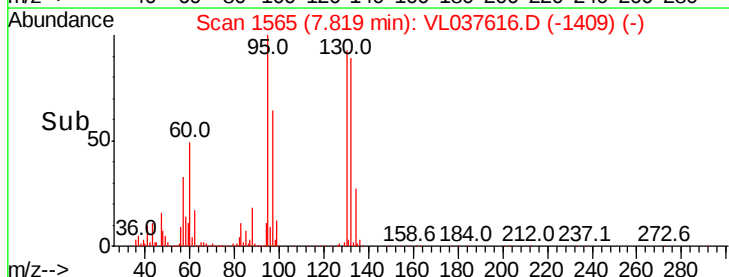
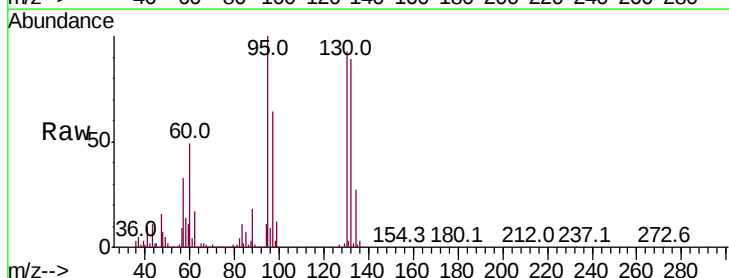
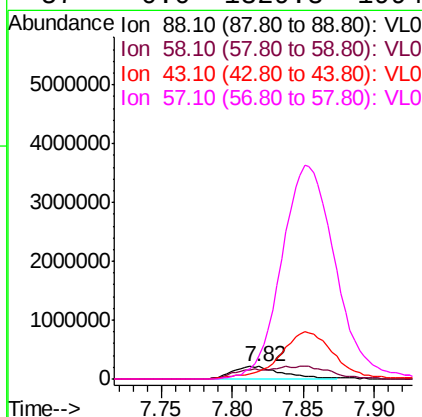
RT: 7.82 min Scan# 1565

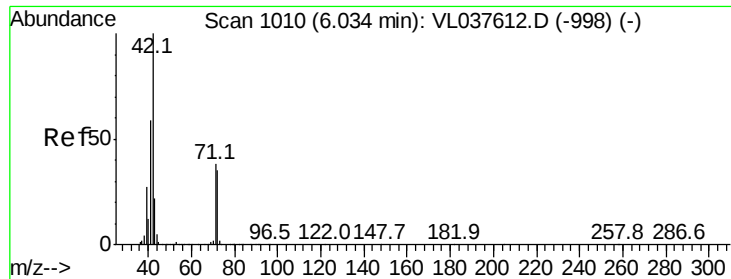
Delta R.T. 0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	122.4	183.6#
43	0.0	297.4	446.0#
57	0.0	1329.8	1994.8#





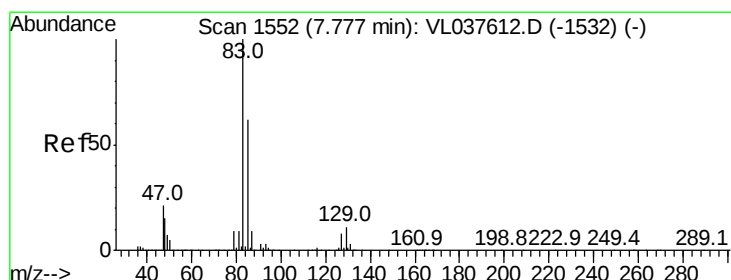
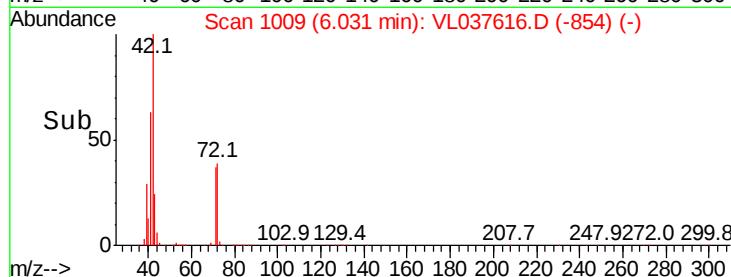
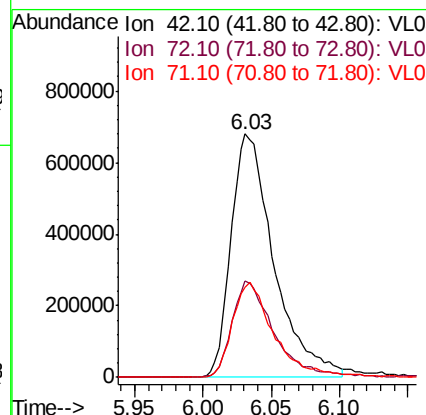
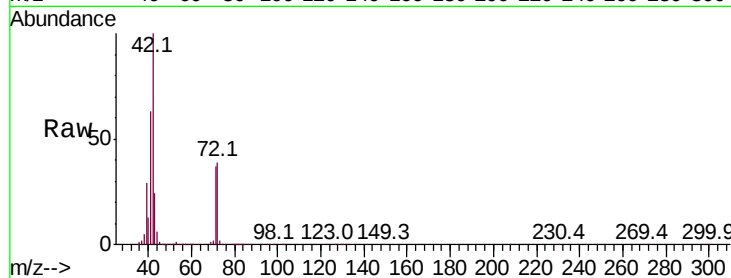
#41
Tetrahydrofuran
Concen: 15.347 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.0	31.4	47.2
71	38.3	30.6	46.0

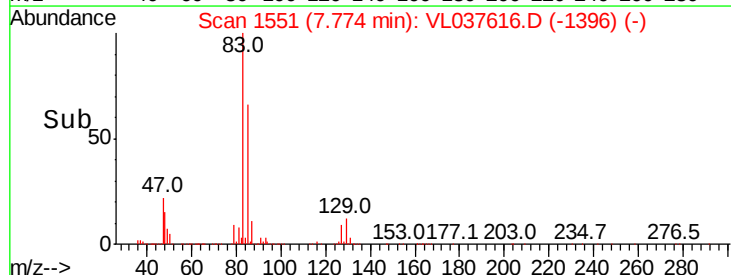
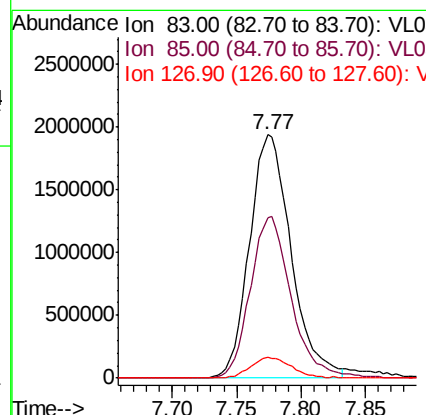
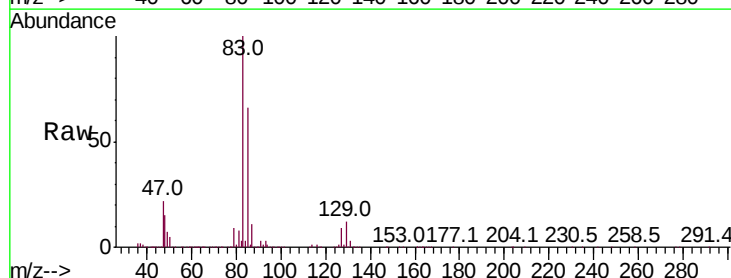
Manual Integrations
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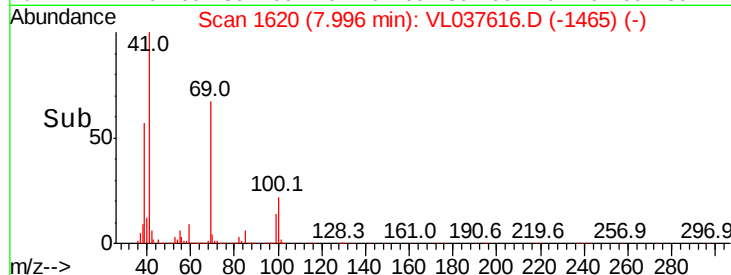
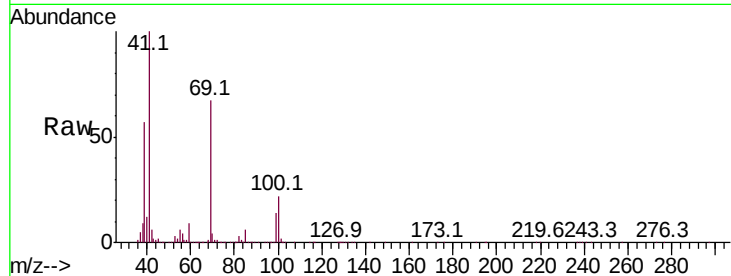
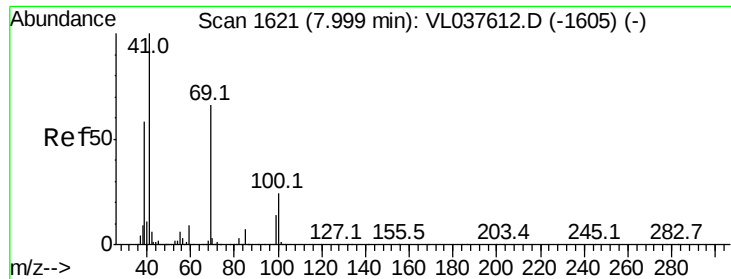
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#42
Bromodichloromethane
Concen: 14.568 ppbv
RT: 7.77 min Scan# 1551
Delta R.T. -0.00 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	49.8	74.6
127	8.6	6.4	9.6





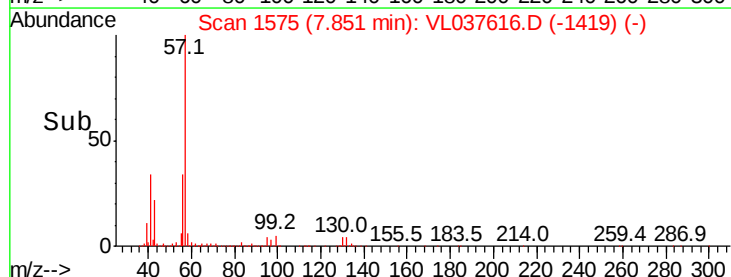
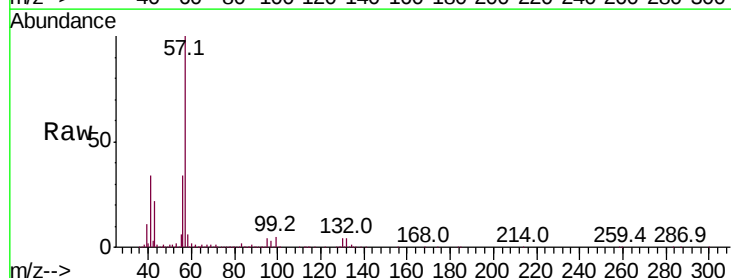
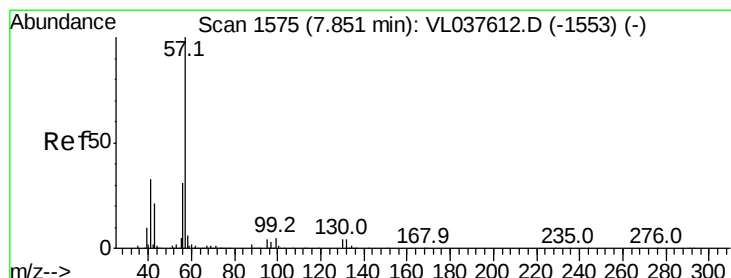
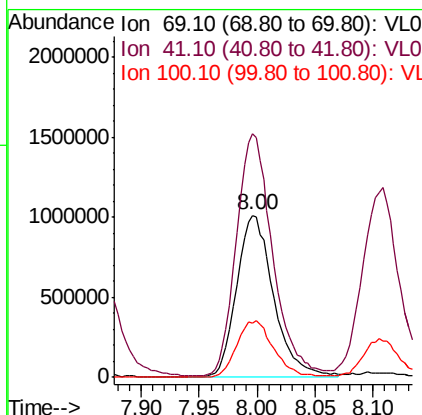
#43
Methvl Methacrlyate
Concen: 15.578 ppbv
RT: 8.00 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Tot Ion: 69 Resp: 2240610
Ion Ratio Lower Upper
69 100
41 148.6 119.0 178.4
100 35.2 27.6 41.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

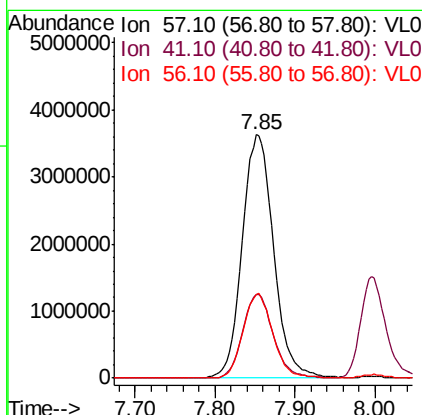
Manual Integrations
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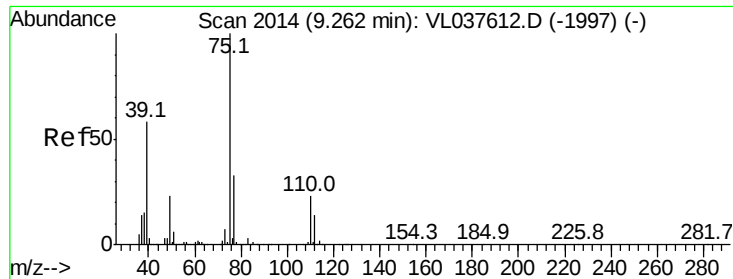
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 13.875 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Tgt Ion: 57 Resp: 9636645
Ion Ratio Lower Upper
57 100
41 33.5 26.1 39.1
56 33.0 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 18.518 ppbv

RT: 9.26 min Scan# 2014

Delta R.T. 0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 75 Resp: 2005146

Ion Ratio Lower Upper

75 100

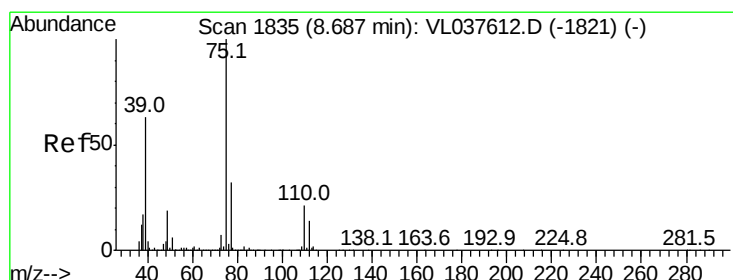
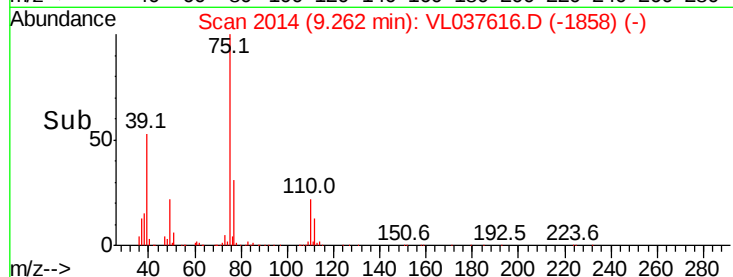
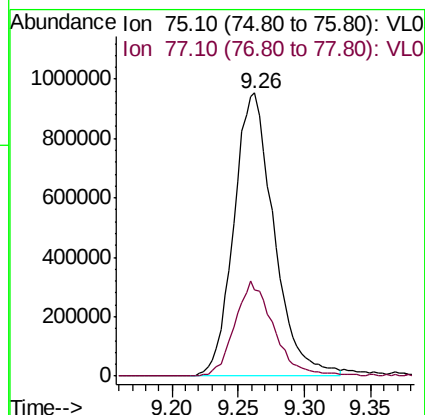
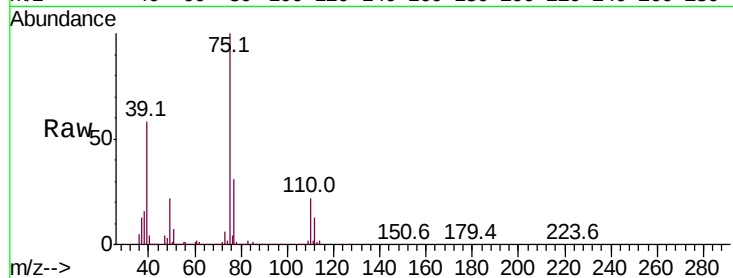
77 30.6 26.3 39.5

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#46

cis-1,3-Dichloropropene

Concen: 16.768 ppbv

RT: 8.68 min Scan# 1834

Delta R.T. -0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

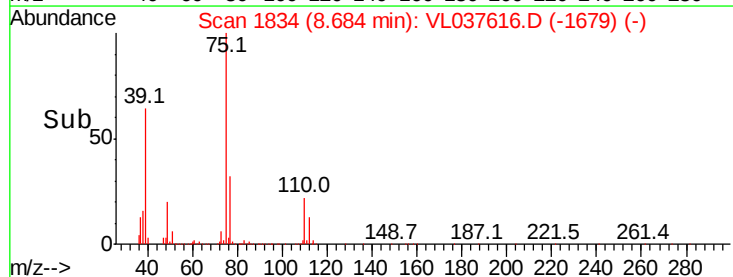
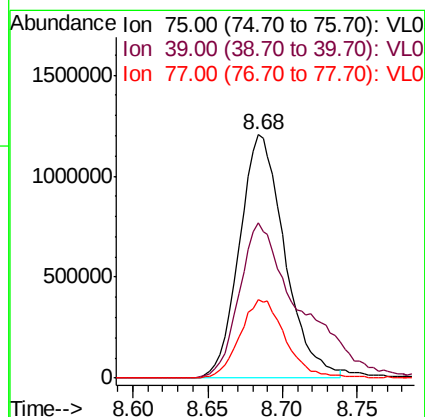
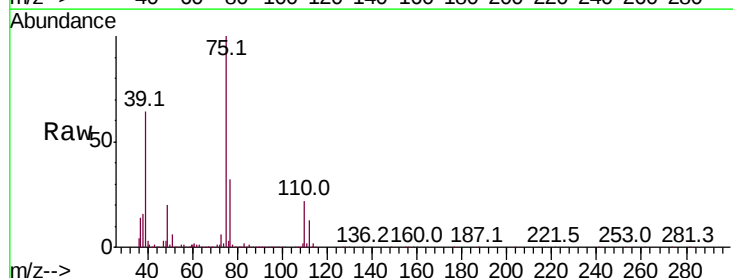
Tgt Ion: 75 Resp: 2532625

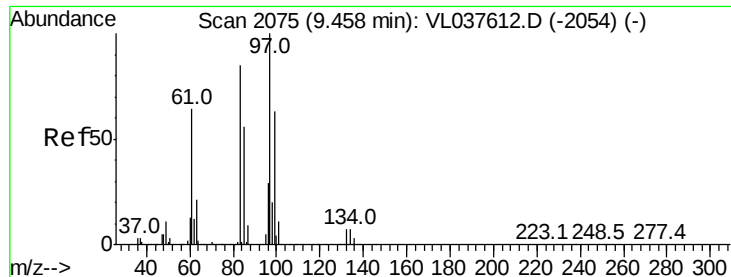
Ion Ratio Lower Upper

75 100

39 63.9 50.2 75.4

77 32.4 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 14.179 ppbv

RT: 9.46 min Scan# 2075

Delta R.T. 0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 97 Resp: 2429573

Ion Ratio Lower Upper

97 100

83 89.3 67.9 101.9

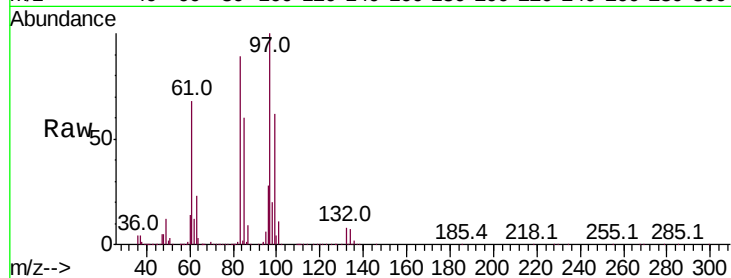
85 59.5 44.8 67.2

99 61.7 50.1 75.1

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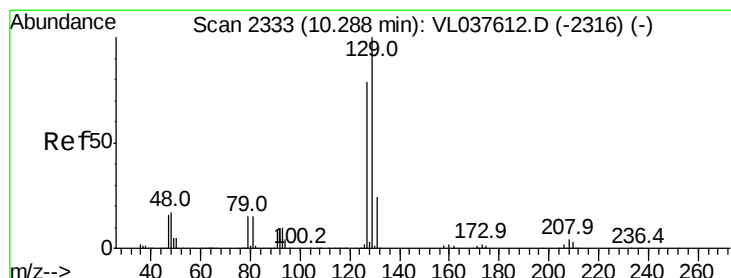
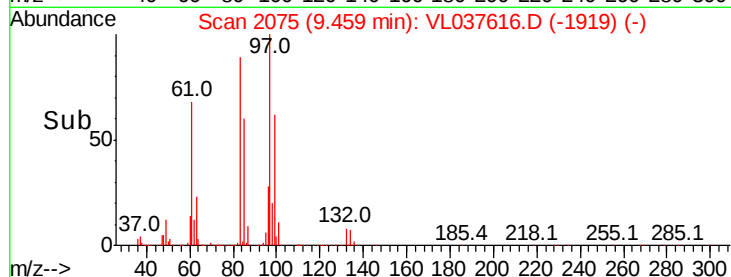
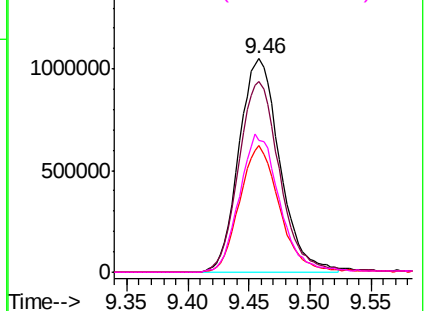


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 15.540 ppbv

RT: 10.28 min Scan# 2332

Delta R.T. -0.00 min

Lab File: VL037616.D

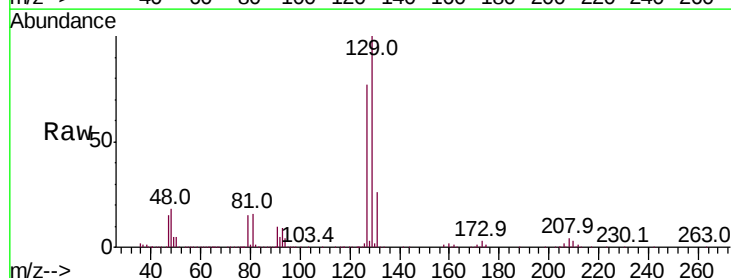
Acq: 16 Sep 2021 12:50

Tgt Ion: 129 Resp: 3831853

Ion Ratio Lower Upper

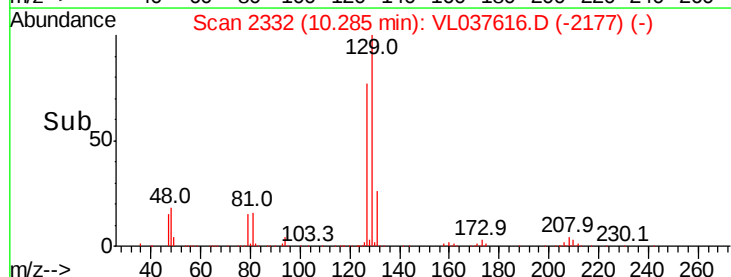
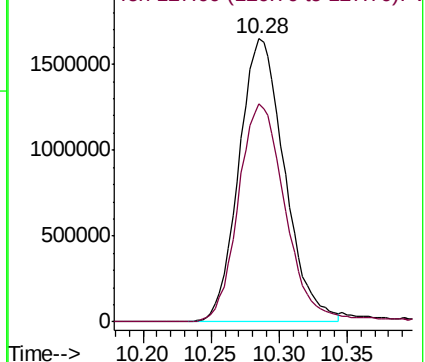
129 100

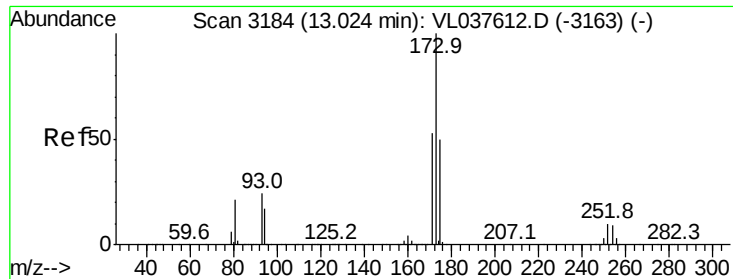
127 81.1 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 16.685 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:173 Resp: 3242895

Ion Ratio Lower Upper

173 100

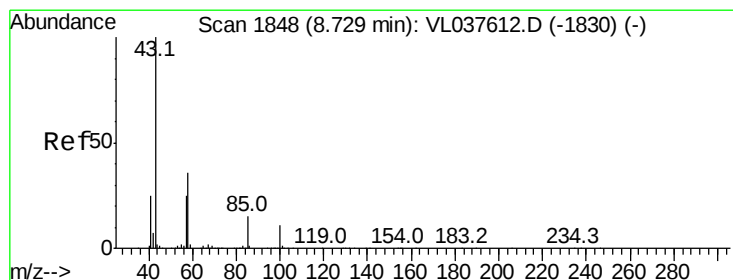
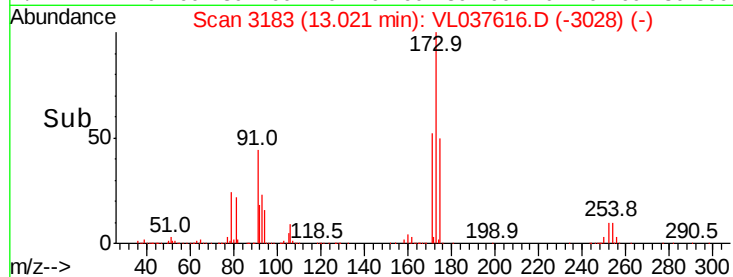
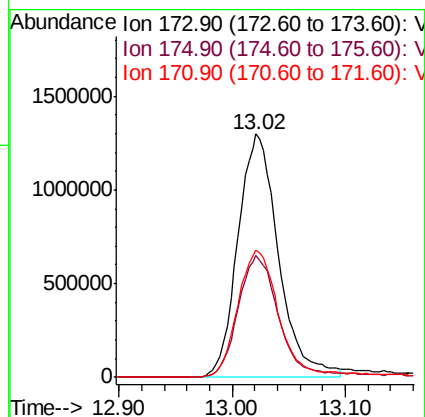
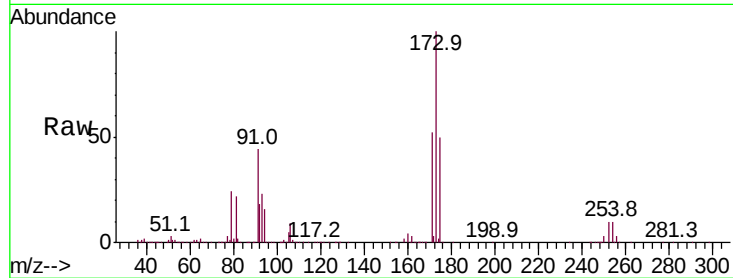
175 51.9 39.8 59.8

171 55.5 42.2 63.4

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#50

4-Methyl-2-Pentanone

Concen: 15.281 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VL037616.D

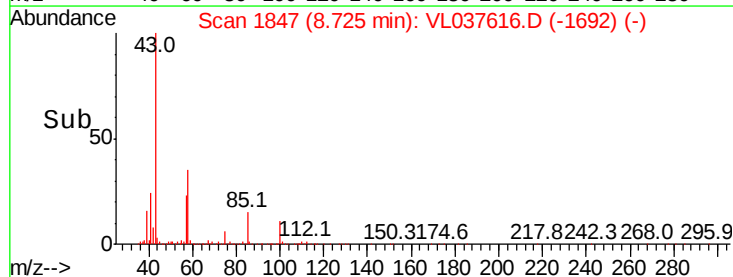
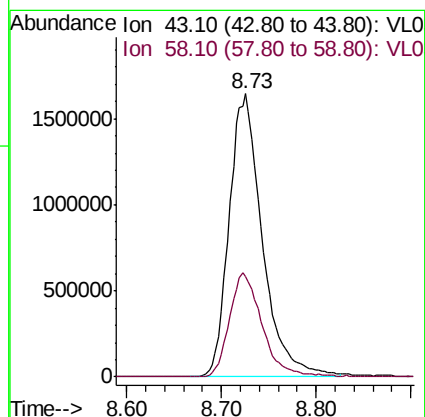
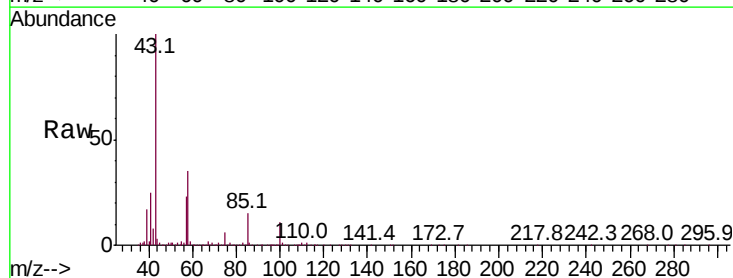
Acq: 16 Sep 2021 12:50

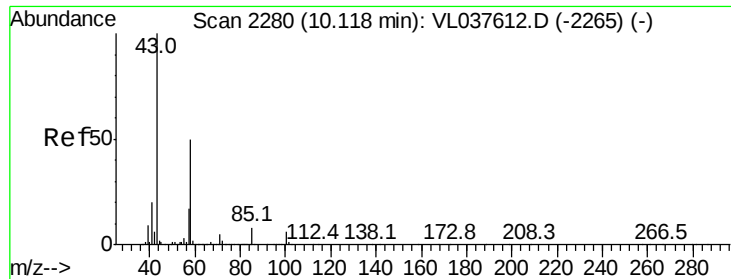
Tgt Ion: 43 Resp: 3996463

Ion Ratio Lower Upper

43 100

58 36.7 29.4 44.2





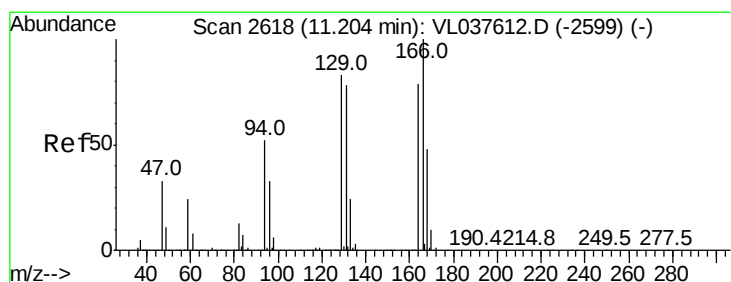
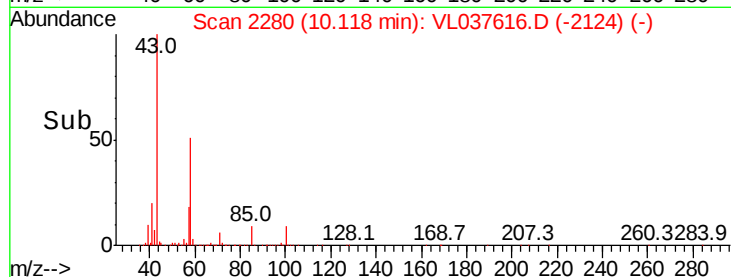
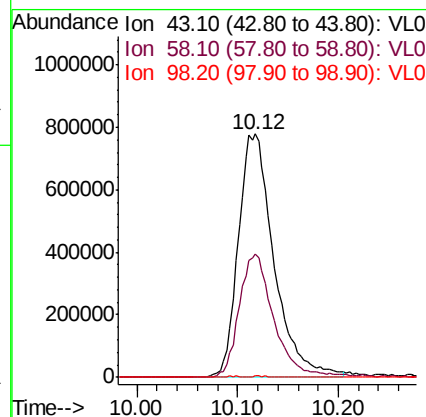
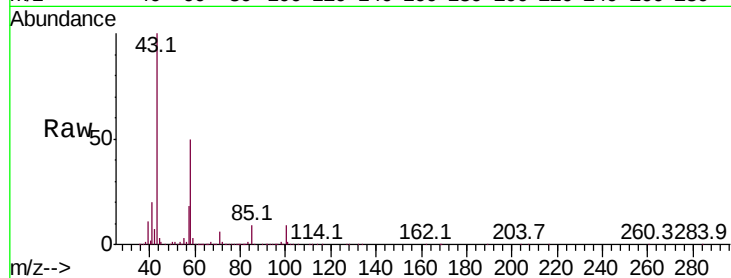
#51
2-Hexanone
Concen: 16.024 ppbv m
RT: 10.12 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 43 Resp: 1927556
Ion Ratio Lower Upper
43 100
58 49.3 39.3 58.9
98 0.8 0.4 0.6#

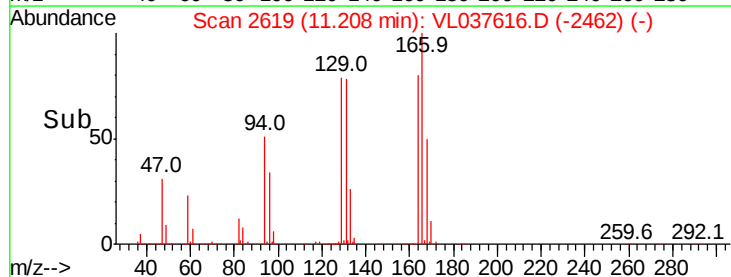
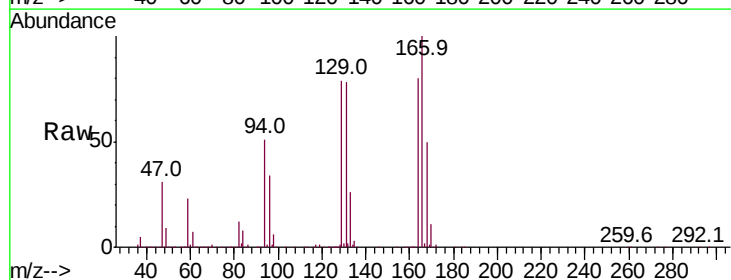
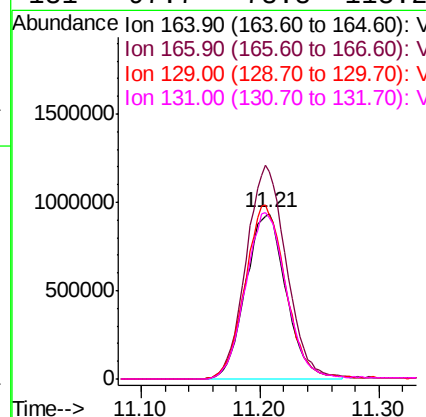
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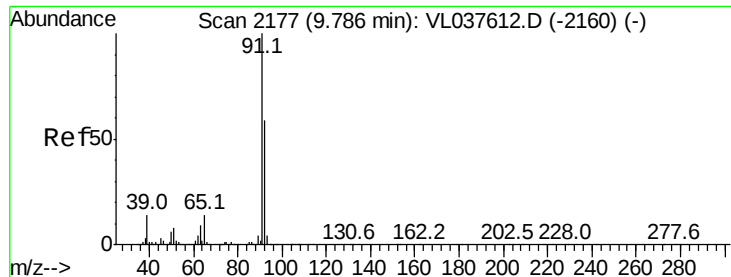
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#52
Tetrachloroethene
Concen: 12.990 ppbv
RT: 11.21 min Scan# 2619
Delta R.T. 0.00 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Tgt Ion: 164 Resp: 2196647
Ion Ratio Lower Upper
164 100
166 125.1 101.2 151.8
129 99.2 84.0 126.0
131 97.7 78.8 118.2





#53

Toluene

Concen: 14.695 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. 0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 6924381

Ion Ratio Lower Upper

91 100

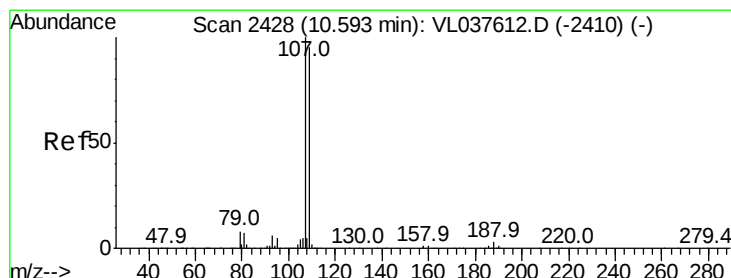
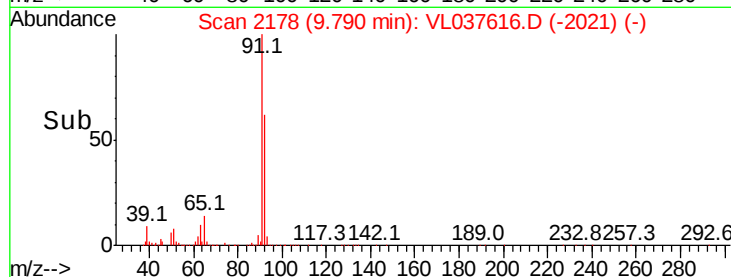
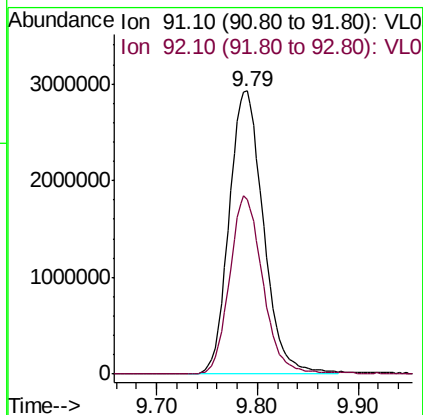
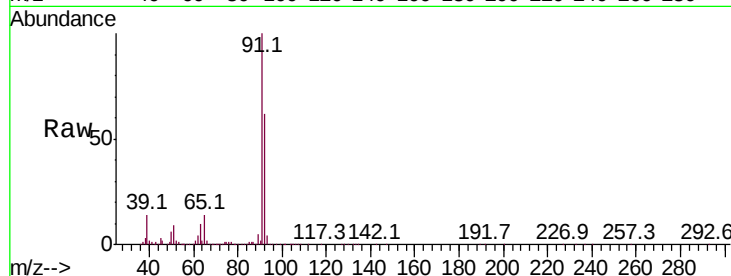
92 61.2 48.9 73.3

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#54

1,2-Dibromoethane

Concen: 14.650 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.00 min

Lab File: VL037616.D

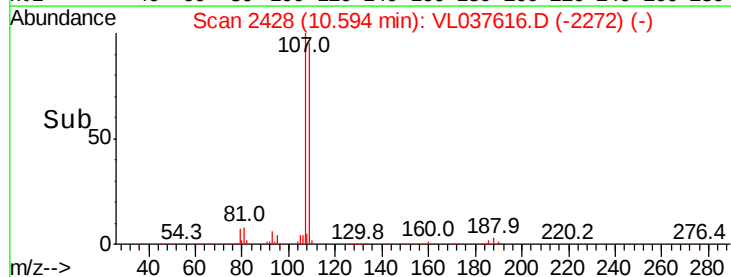
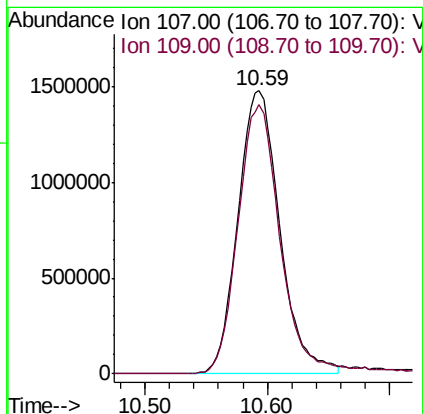
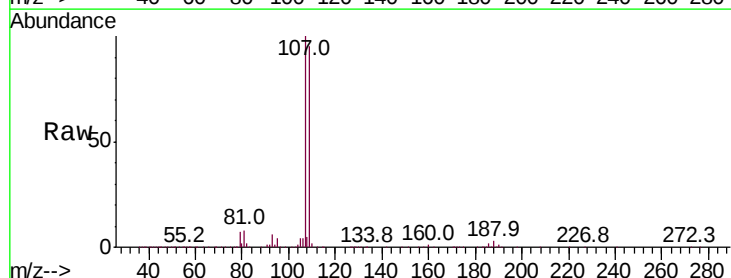
Acq: 16 Sep 2021 12:50

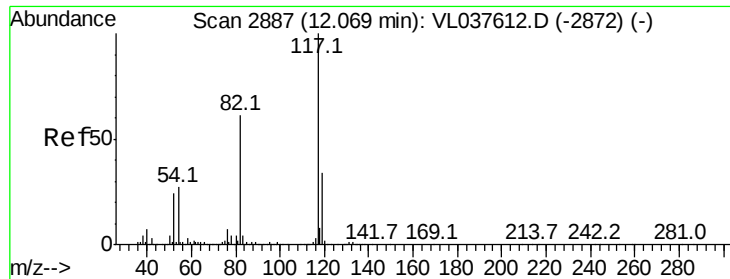
Tgt Ion: 107 Resp: 3504234

Ion Ratio Lower Upper

107 100

109 95.0 76.0 114.0





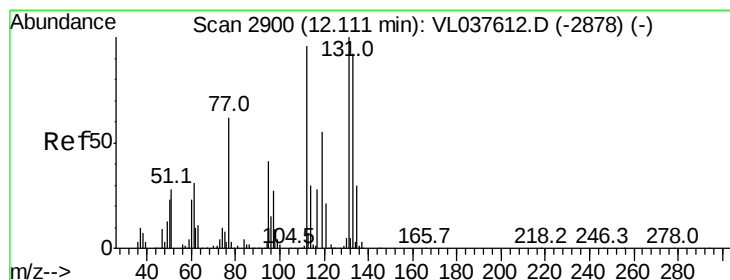
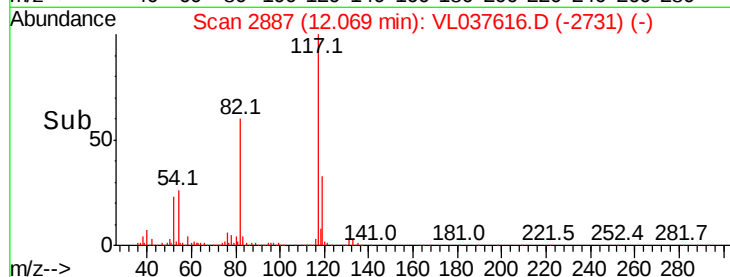
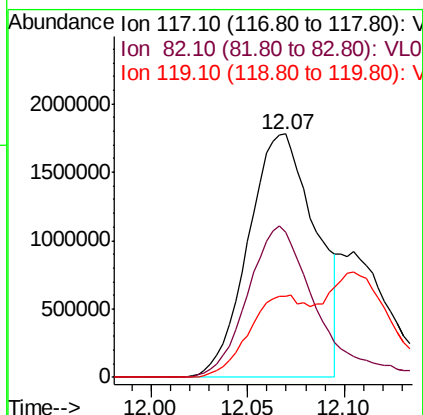
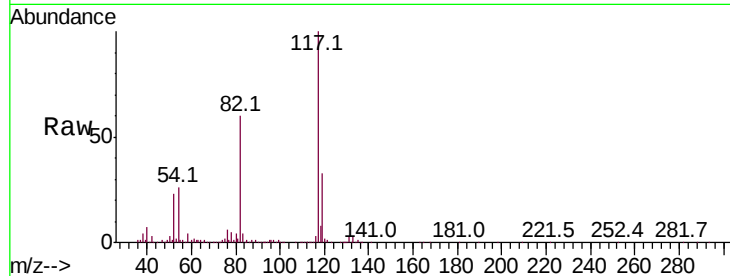
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:117 Resp: 4332865
Ion Ratio Lower Upper
117 100
82 67.1 50.6 75.8
119 0.0 26.2 39.2#

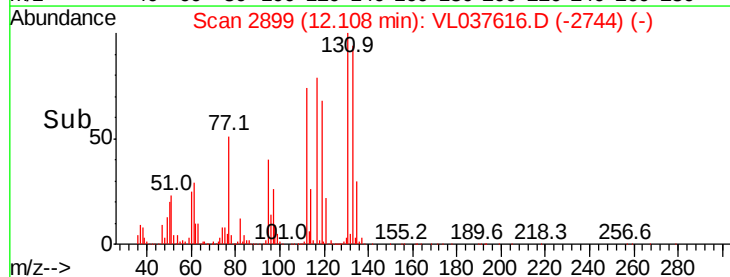
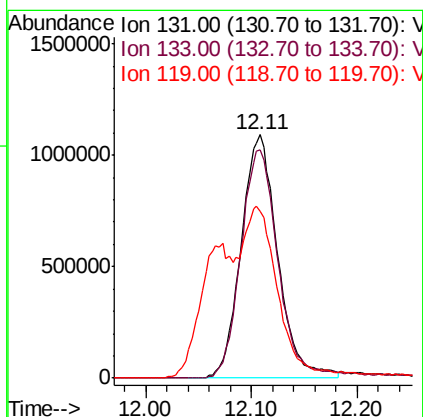
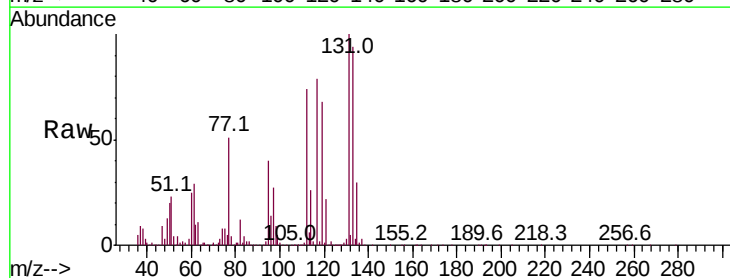
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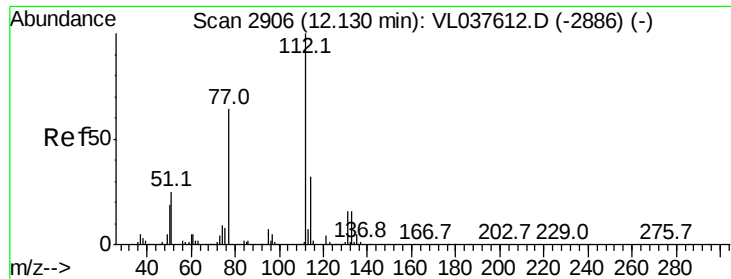
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#56
1,1,1,2-Tetrachloroethane
Concen: 14.553 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Tgt Ion:131 Resp: 2627395
Ion Ratio Lower Upper
131 100
133 98.6 76.8 115.2
119 124.7 47.8 71.8#





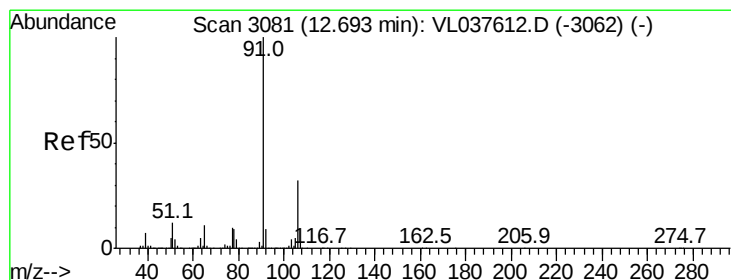
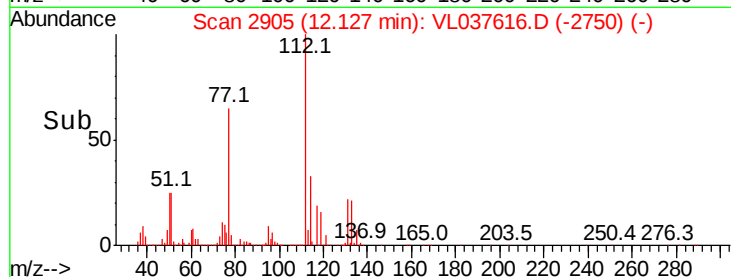
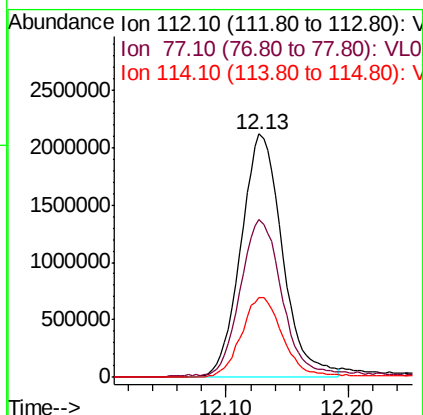
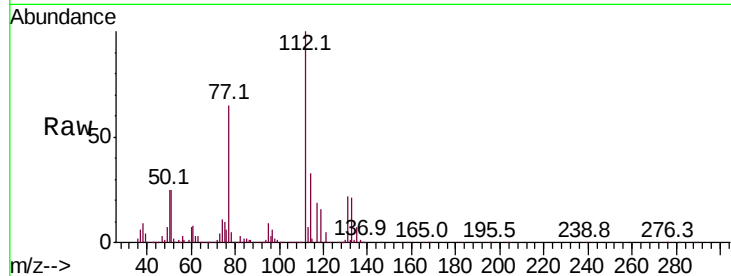
#57
Chlorobenzene
Concen: 13.789 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.00 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 112 Resp: 4958255
Ion Ratio Lower Upper
112 100
77 63.9 52.1 78.1
114 32.5 29.2 35.6

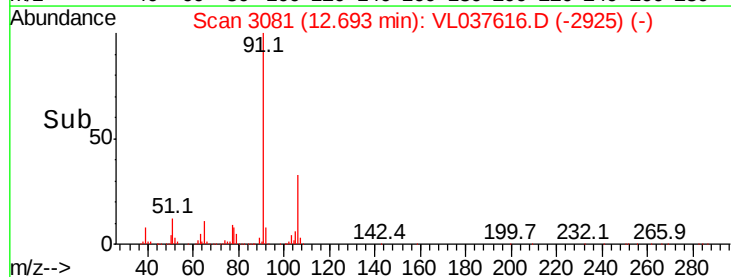
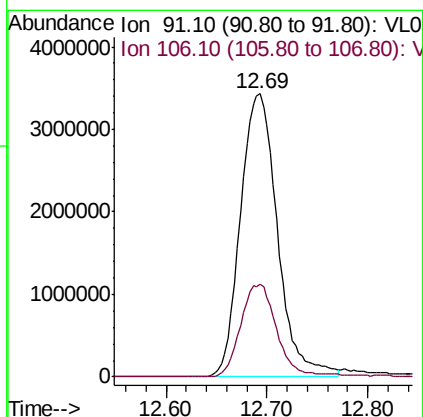
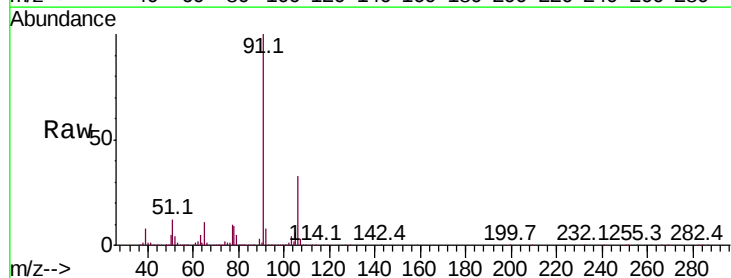
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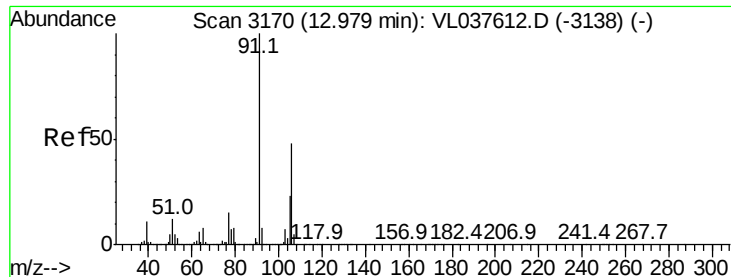
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#58
Ethyl Benzene
Concen: 14.520 ppbv
RT: 12.69 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Tgt Ion: 91 Resp: 8730467
Ion Ratio Lower Upper
91 100
106 32.9 25.3 37.9





#59

m/p-Xylene

Concen: 27.751 ppbv m

RT: 12.98 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 14465602

Ion Ratio Lower Upper

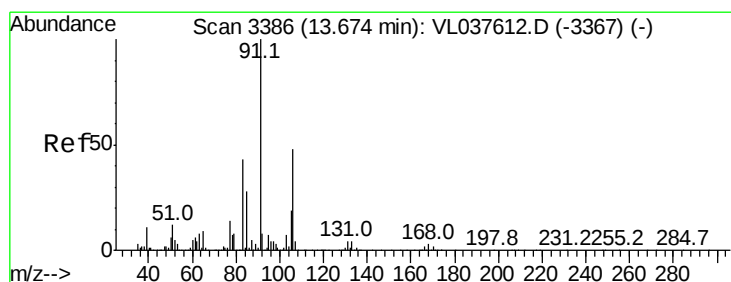
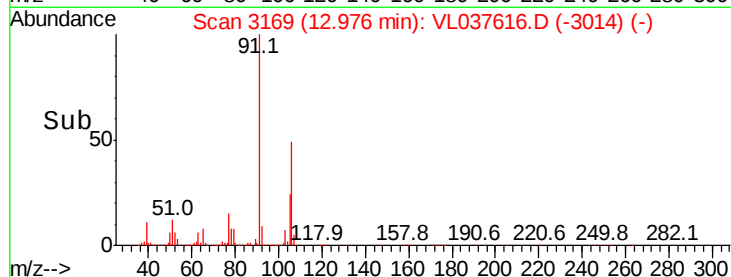
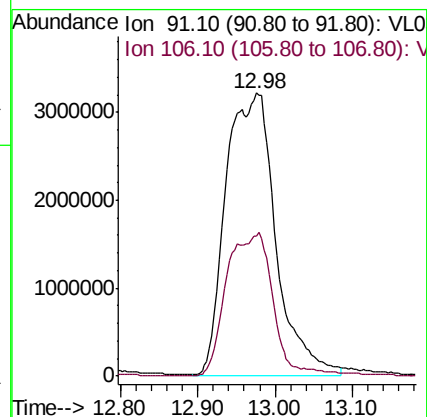
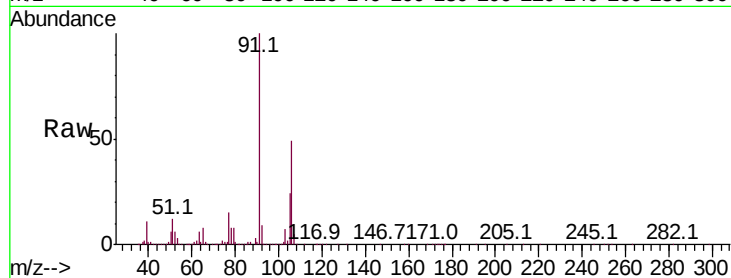
91 100

106 47.6 36.6 55.0

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#60

o-Xylene

Concen: 13.854 ppbv

RT: 13.67 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VL037616.D

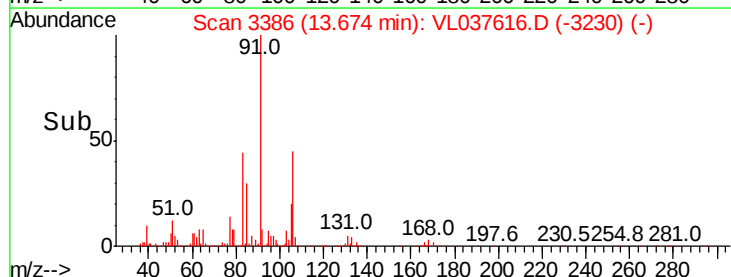
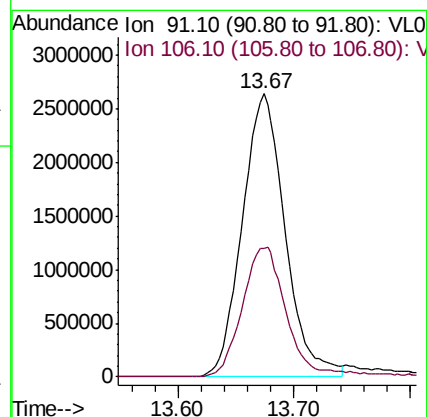
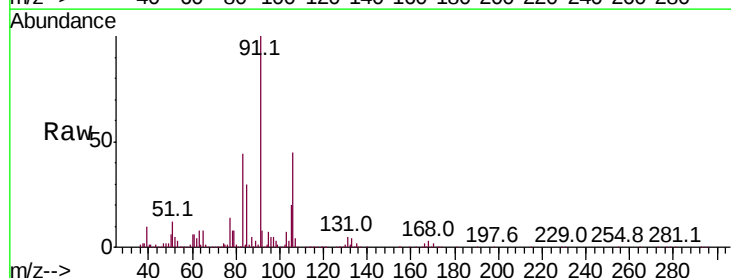
Acq: 16 Sep 2021 12:50

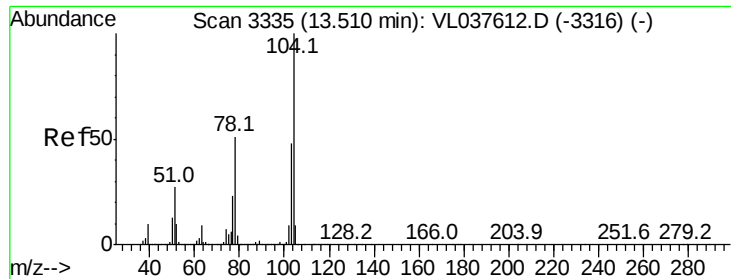
Tgt Ion: 91 Resp: 6740500

Ion Ratio Lower Upper

91 100

106 48.7 23.0 69.0





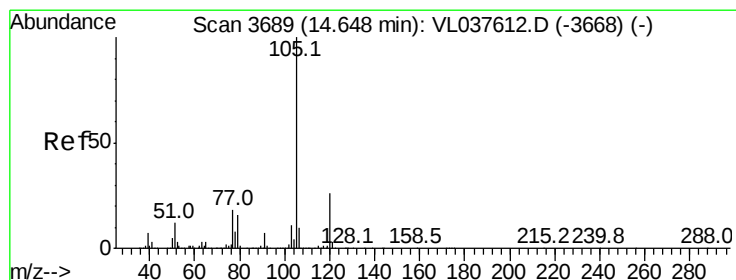
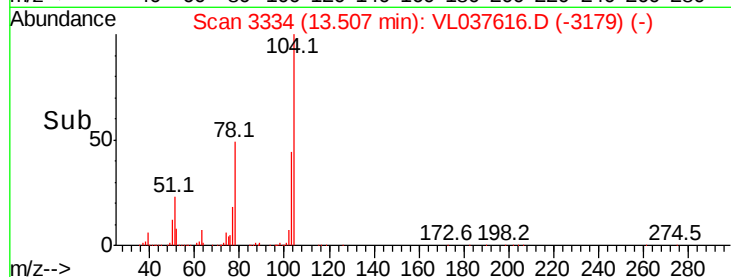
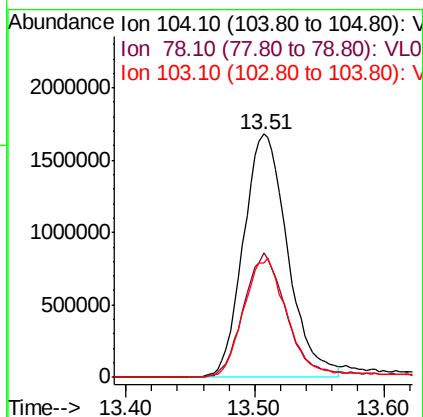
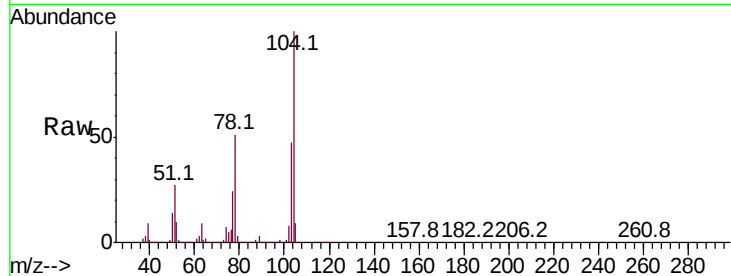
#61
Stvrene
Concen: 15.908 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.00 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:104 Resp: 4020619
Ion Ratio Lower Upper
104 100
78 51.2 39.7 59.5
103 49.8 38.8 58.2

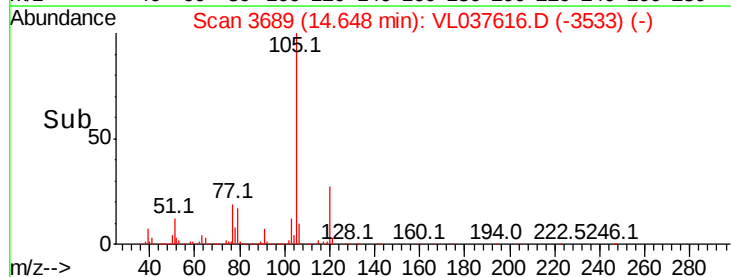
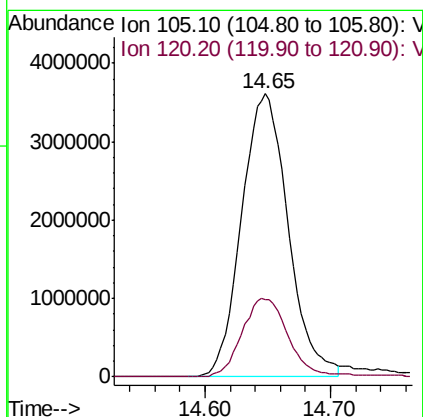
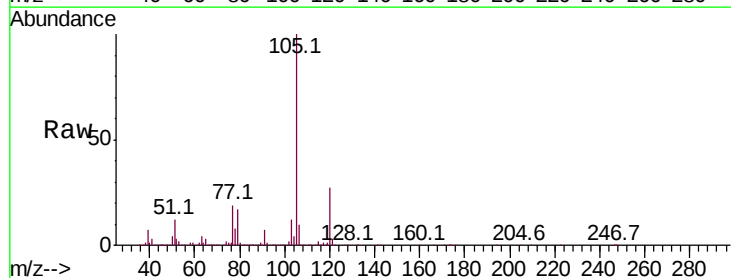
Manual Integrations
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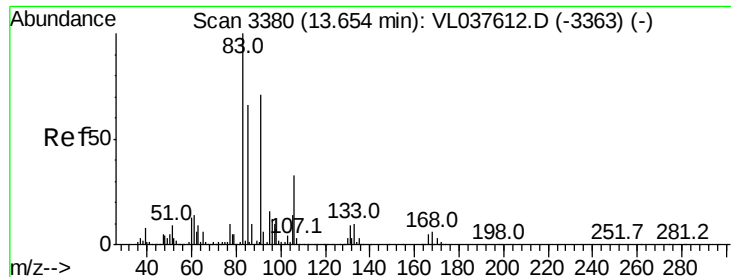
MMDadoda
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#62
Isopropylbenzene
Concen: 13.560 ppbv
RT: 14.65 min Scan# 3689
Delta R.T. 0.00 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Tgt Ion:105 Resp: 9310803
Ion Ratio Lower Upper
105 100
120 28.4 21.4 32.0





#63

1,1,2,2-Tetrachloroethane

Concen: 13.824 ppbv

RT: 13.66 min Scan# 3381

Delta R.T. 0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 83 Resp: 4998597

Ion Ratio Lower Upper

83 100

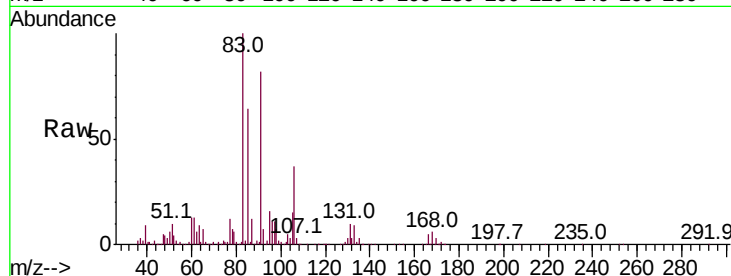
131 10.1 5.1 15.3

85 66.9 33.3 99.9

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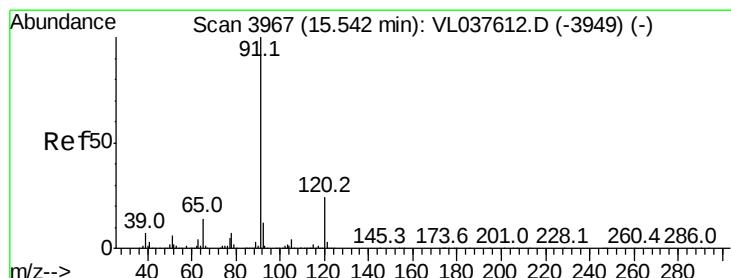
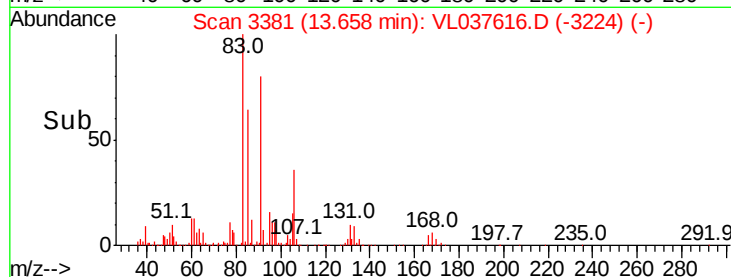
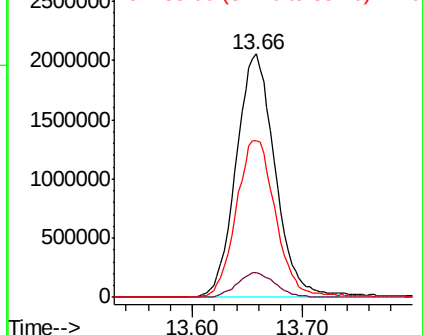
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 15.257 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. 0.00 min

Lab File: VL037616.D

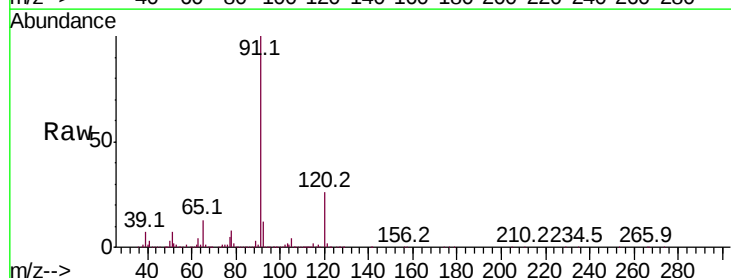
Acq: 16 Sep 2021 12:50

Tgt Ion:120 Resp: 2666051

Ion Ratio Lower Upper

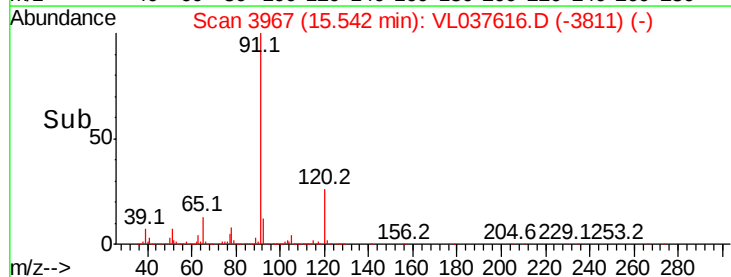
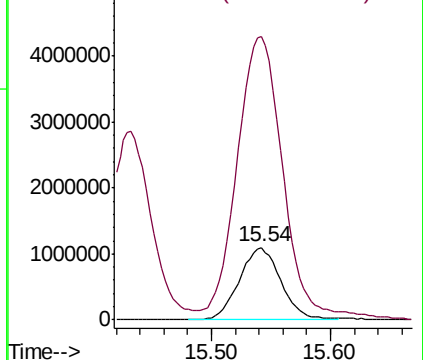
120 100

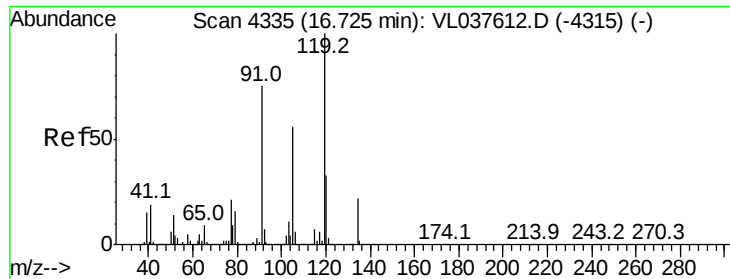
91 433.5 345.0 517.4



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





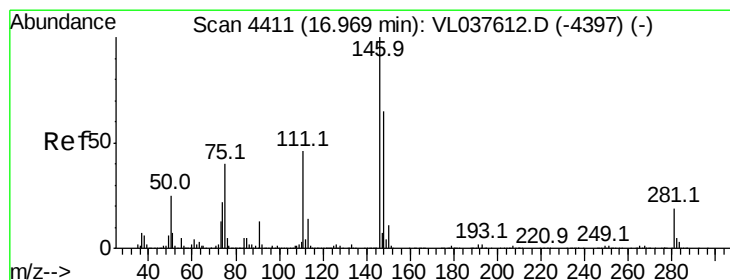
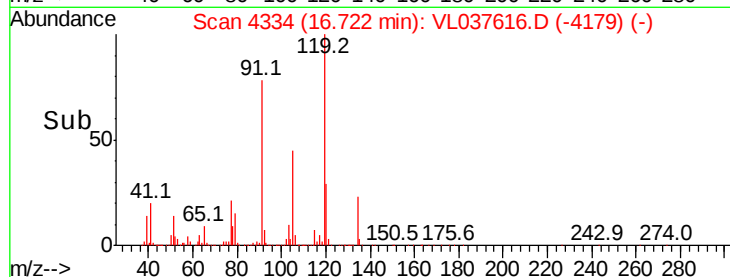
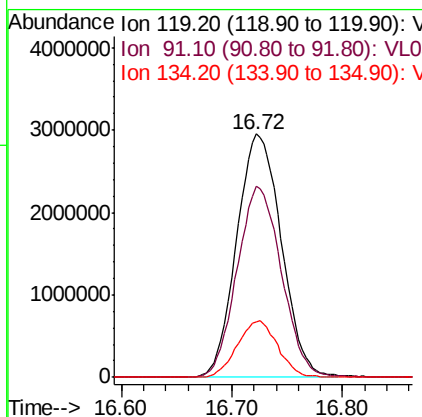
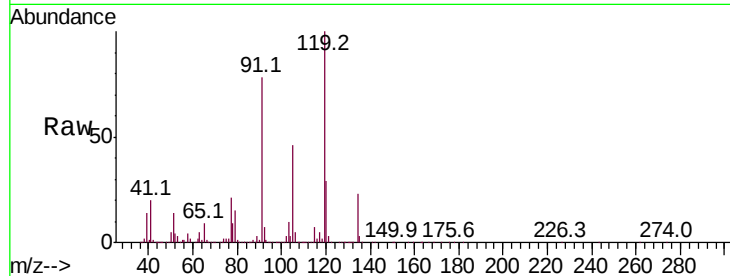
#65
tert-Butylbenzene
Concen: 13.222 ppbv
RT: 16.72 min Scan# 4334
Delta R.T. -0.00 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
119	100		
91	78.2	61.9	92.9
134	21.2	16.5	24.7

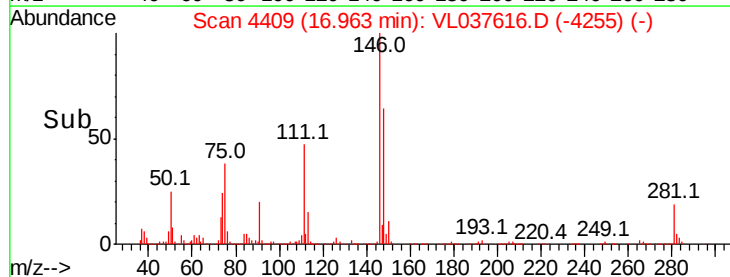
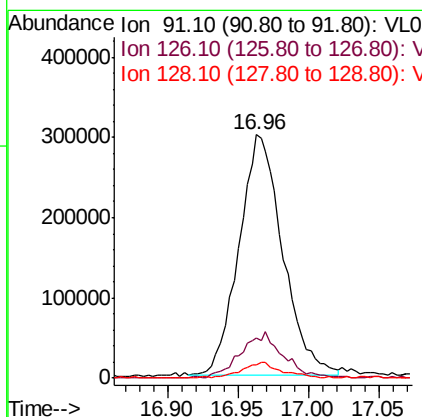
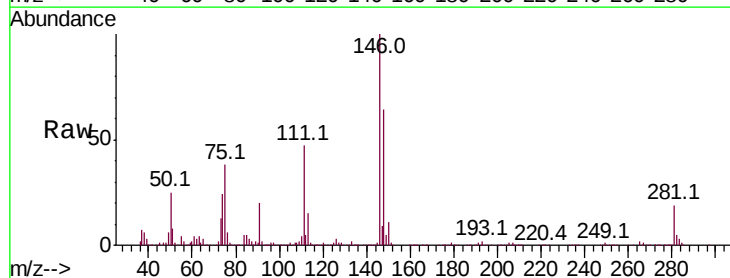
Manual Integrations
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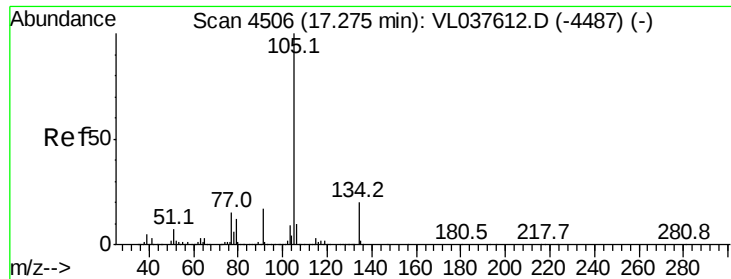
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#66
Benzyl Chloride
Concen: 23.127 ppbv
RT: 16.96 min Scan# 4409
Delta R.T. -0.01 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	18.5	14.4	21.6
128	6.1	5.7	8.5





#67

sec-Butylbenzene

Concen: 13.059 ppbv

RT: 17.27 min Scan# 4506

Delta R.T. 0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp:11411134

Ion Ratio Lower Upper

105 100

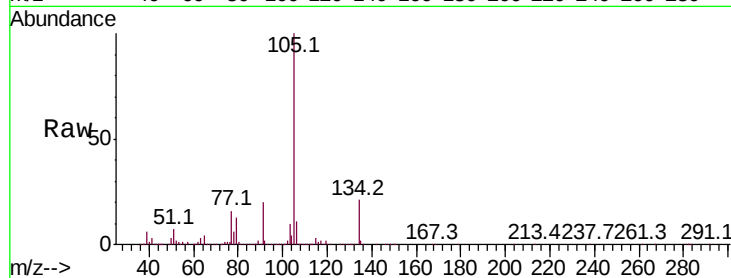
134 20.1 15.7 23.5

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

5000000

4000000

3000000

2000000

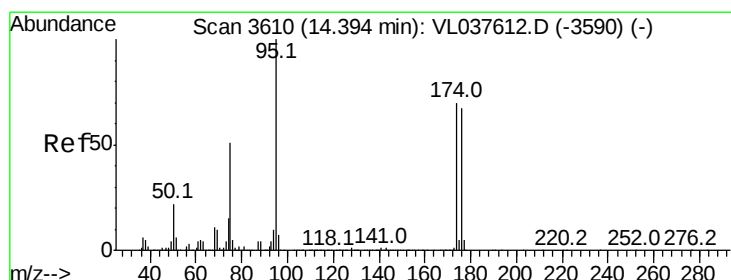
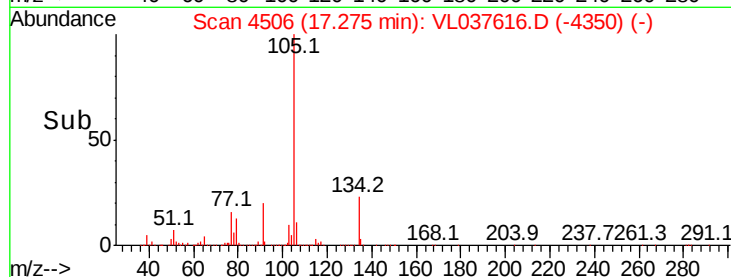
1000000

0

17.20

17.30

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.200 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. 0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

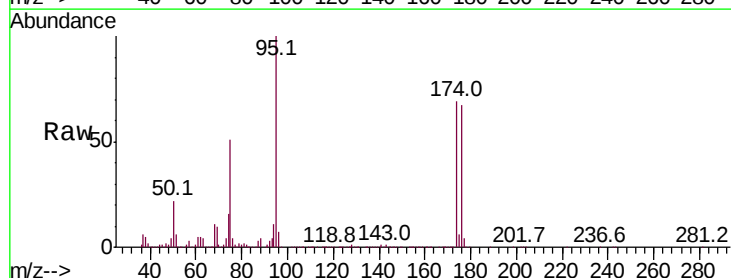
Tgt Ion: 95 Resp: 3139723

Ion Ratio Lower Upper

95 100

174 76.6 56.3 84.5

175 5.6 4.4 6.6



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

1500000

1000000

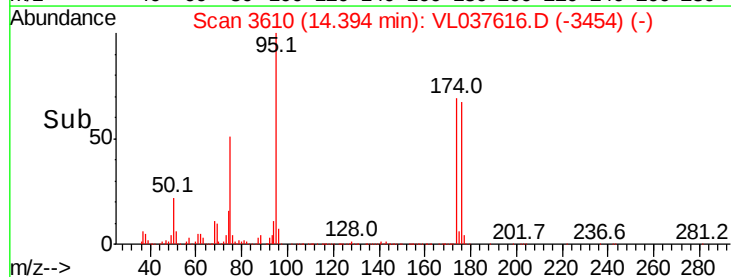
500000

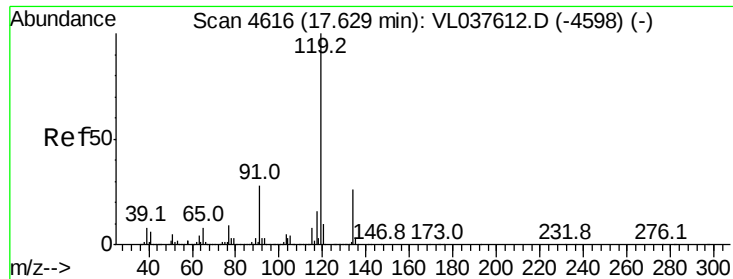
0

14.30

14.40

Time-->





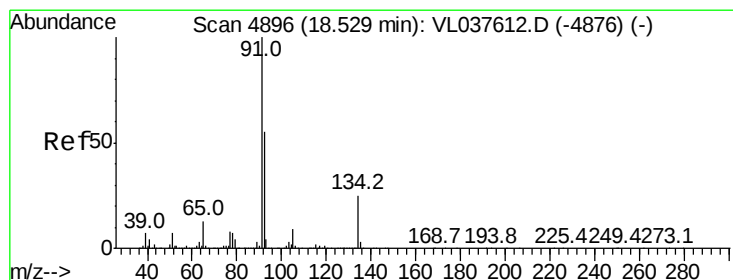
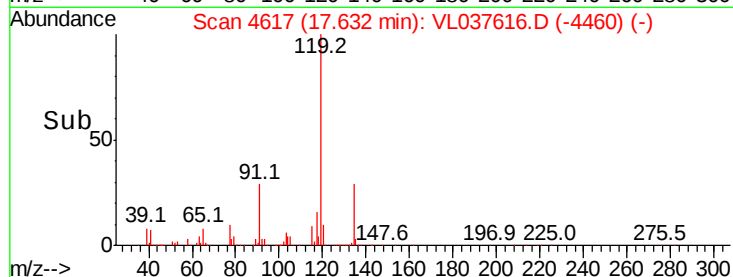
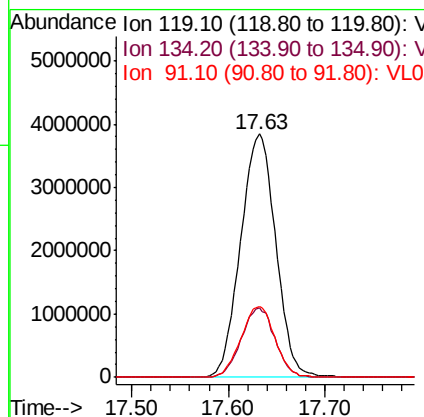
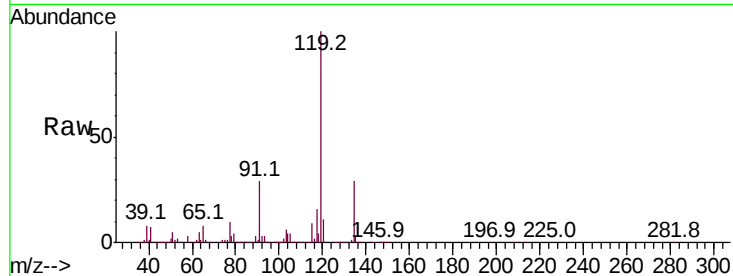
#69
 p-Isopropyltoluene
 Concen: 13.634 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. 0.00 min
 Lab File: VL037616.D
 Acq: 16 Sep 2021 12:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.4	21.2	31.8
91	28.4	22.2	33.2

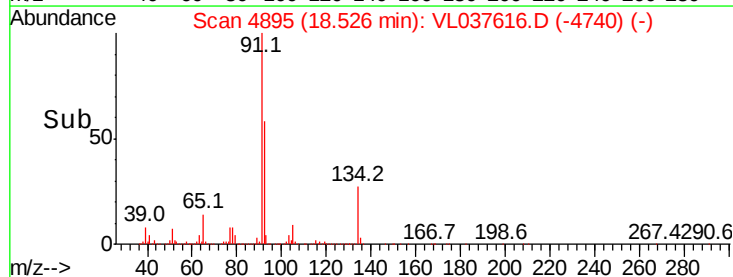
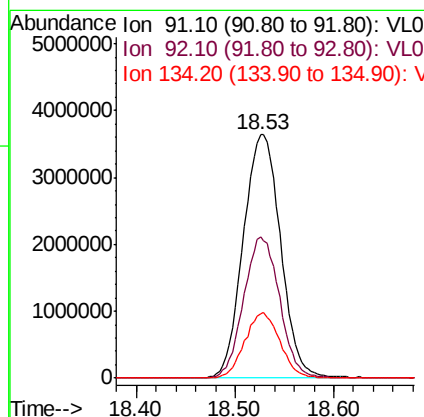
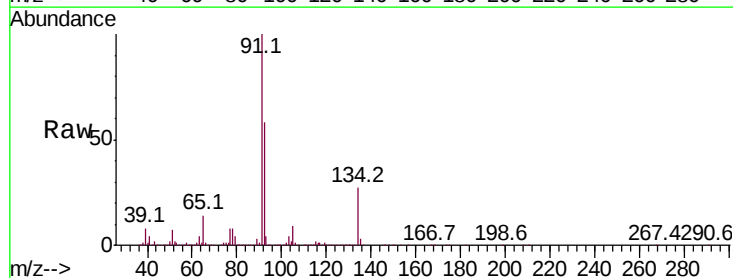
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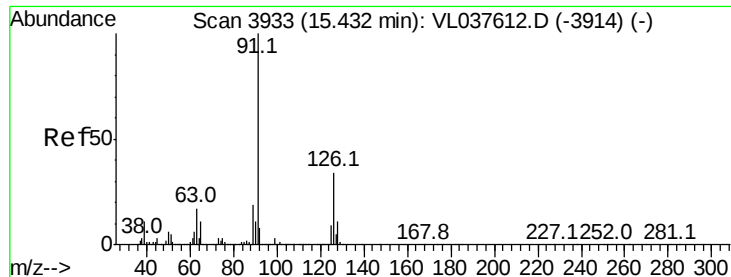
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#70
 n-Butylbenzene
 Concen: 14.017 ppbv
 RT: 18.53 min Scan# 4895
 Delta R.T. -0.00 min
 Lab File: VL037616.D
 Acq: 16 Sep 2021 12:50

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.0	44.0	66.0
134	25.3	19.5	29.3





#71

2-Chlorotoluene

Concen: 14.273 ppbv

RT: 15.43 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 7187061

Ion Ratio Lower Upper

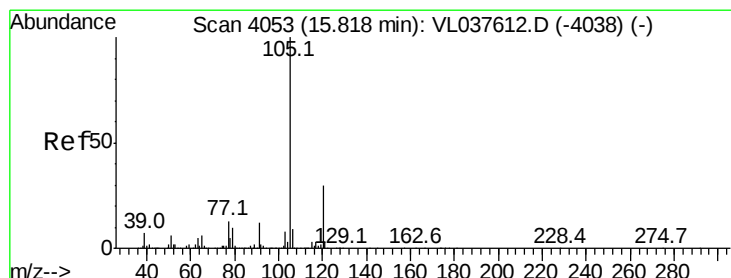
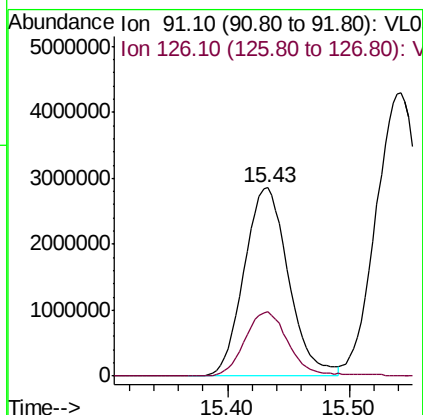
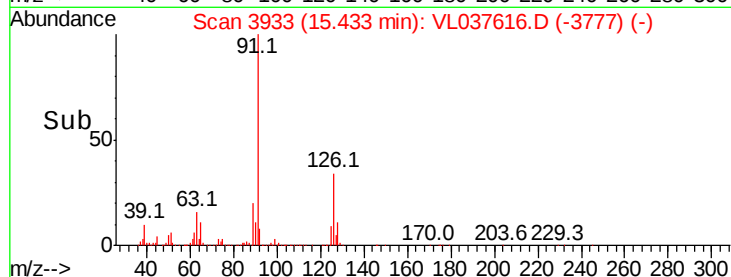
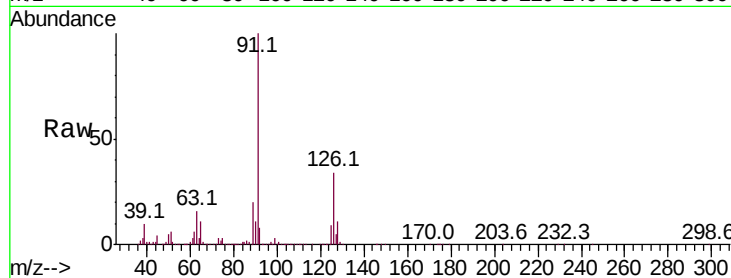
91 100

126 34.5 13.2 52.8

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#72

4-Ethyltoluene

Concen: 14.107 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. 0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

Tgt Ion: 105 Resp: 8163479

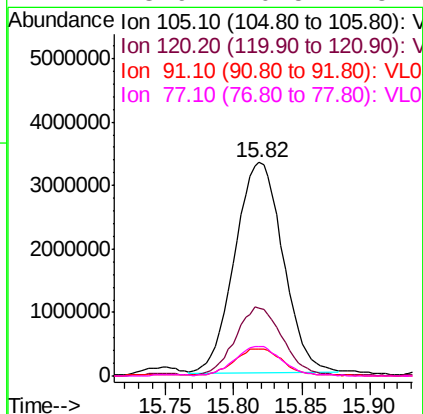
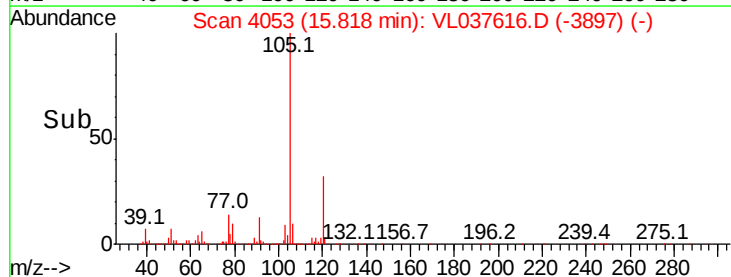
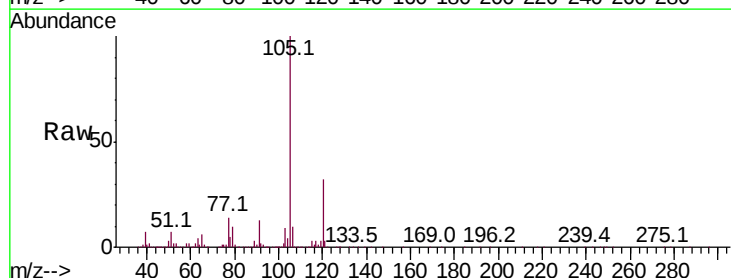
Ion Ratio Lower Upper

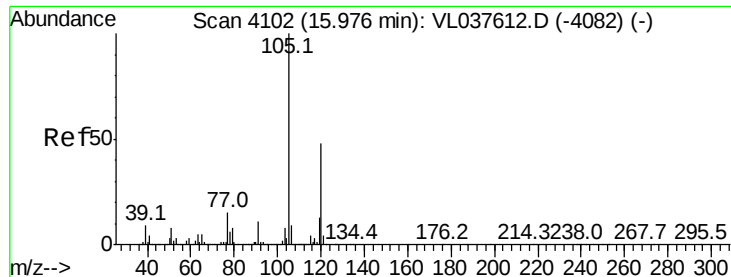
105 100

120 32.4 24.7 37.1

91 12.8 9.9 14.9

77 13.9 10.5 15.7





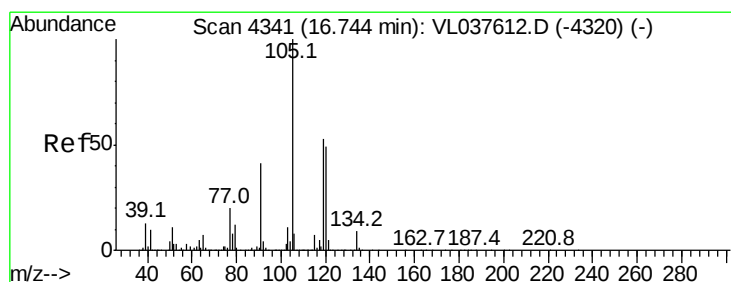
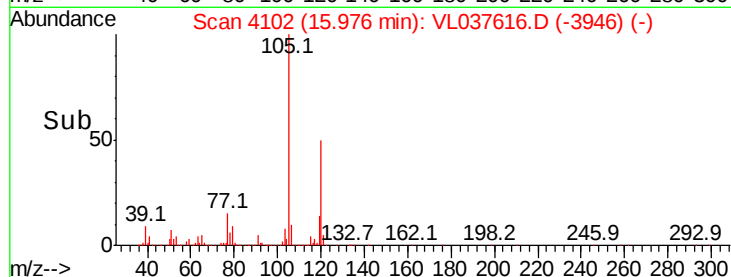
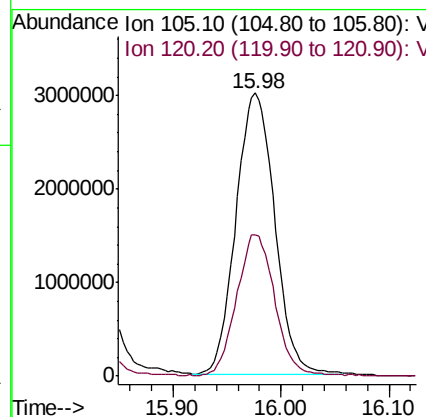
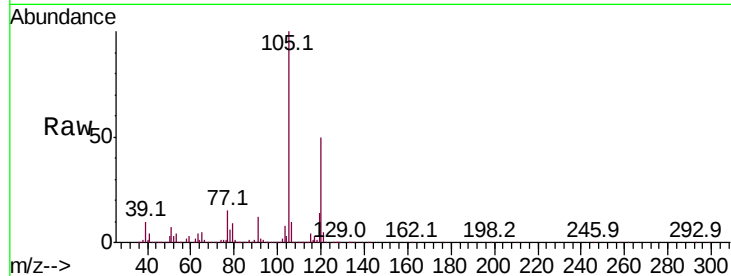
#73
 1,3,5-Trimethylbenzene
 Concen: 13.821 ppbv
 RT: 15.98 min Scan# 4102
 Delta R.T. 0.00 min
 Lab File: VL037616.D
 Acq: 16 Sep 2021 12:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:105 Resp: 7444955
 Ion Ratio Lower Upper
 105 100
 120 50.1 38.3 57.5

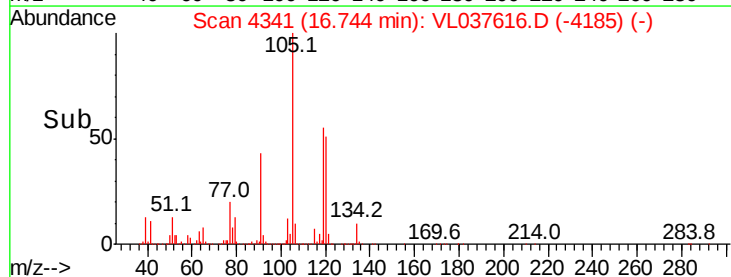
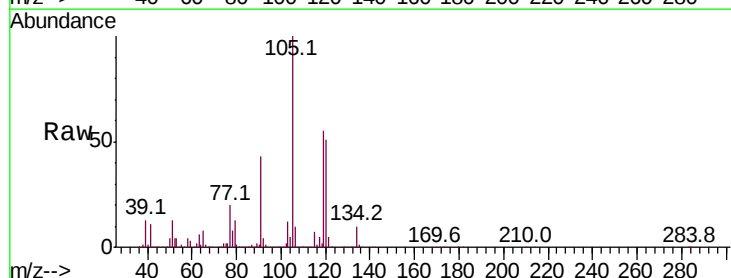
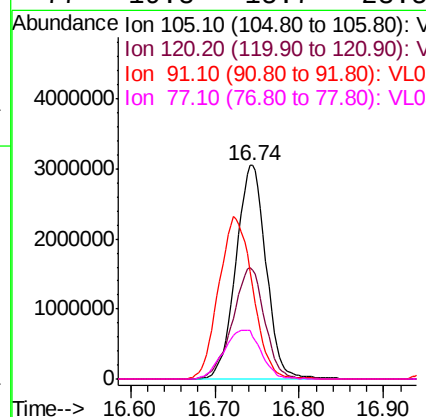
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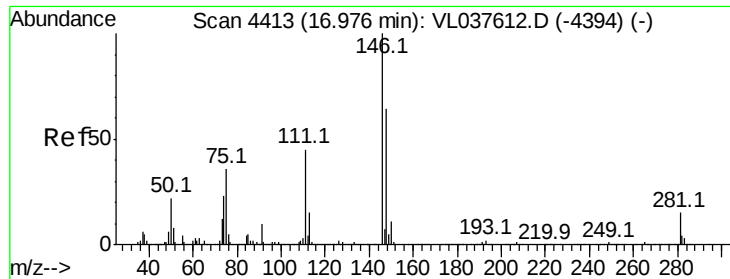
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#74
 1,2,4-Trimethylbenzene
 Concen: 13.265 ppbv
 RT: 16.74 min Scan# 4341
 Delta R.T. 0.00 min
 Lab File: VL037616.D
 Acq: 16 Sep 2021 12:50

Tgt Ion:105 Resp: 7593366
 Ion Ratio Lower Upper
 105 100
 120 50.7 39.4 59.0
 91 42.8 33.3 49.9
 77 19.8 15.7 23.5





#75

1,3-Dichlorobenzene

Concen: 14.101 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. -0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:146 Resp: 4858468

Ion Ratio Lower Upper

146 100

111 46.2 22.8 68.3

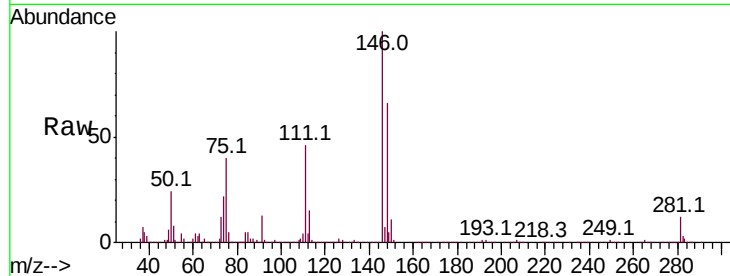
148 65.5 32.1 96.5

Manual Integrations

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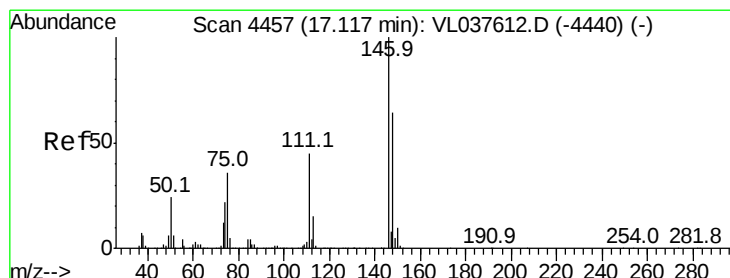
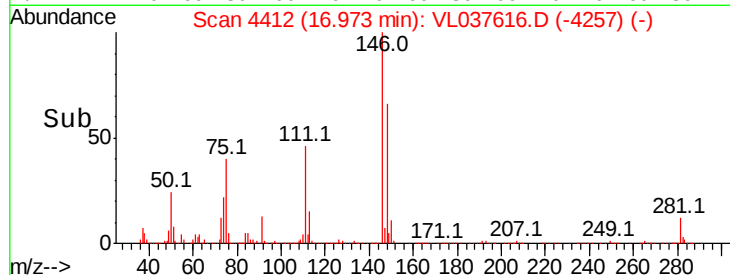
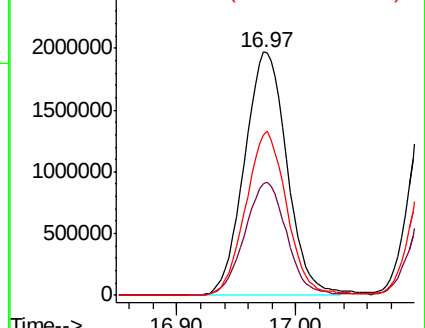
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 13.858 ppbv

RT: 17.11 min Scan# 4456

Delta R.T. -0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

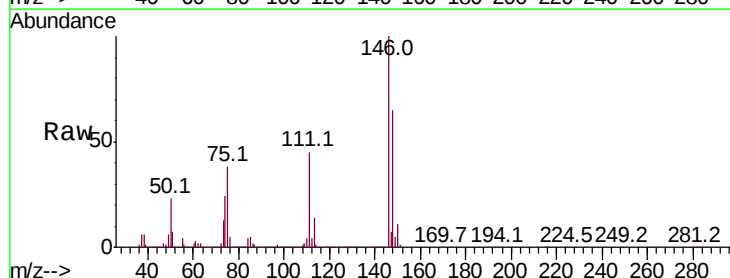
Tgt Ion:146 Resp: 4809886

Ion Ratio Lower Upper

146 100

111 45.2 22.5 67.5

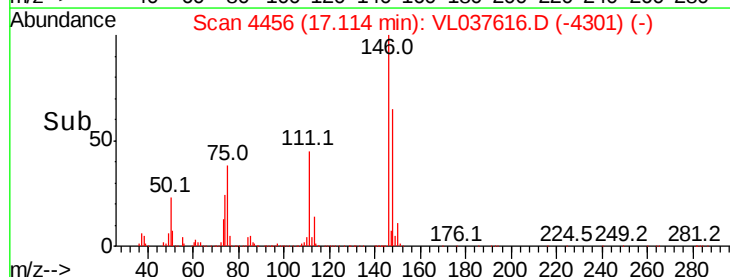
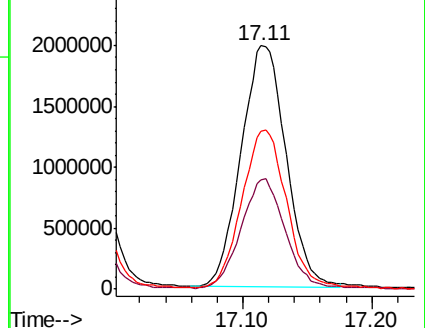
148 66.6 32.9 98.6

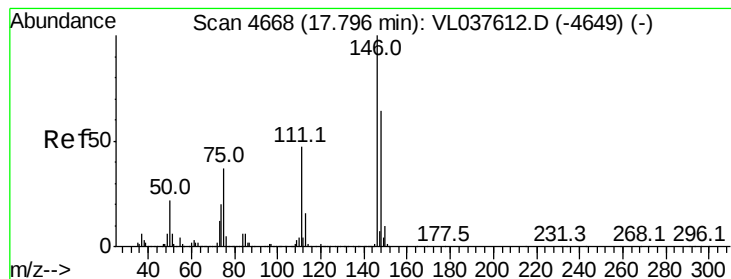


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 13.788 ppbv

RT: 17.80 min Scan# 4668

Delta R.T. 0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:146 Resp: 4677964

Ion Ratio Lower Upper

146 100

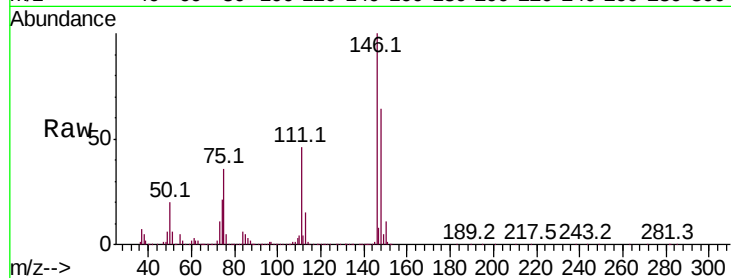
111 47.2 24.0 72.0

148 65.5 32.8 98.3

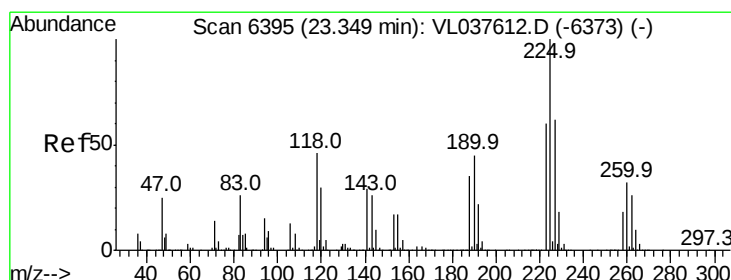
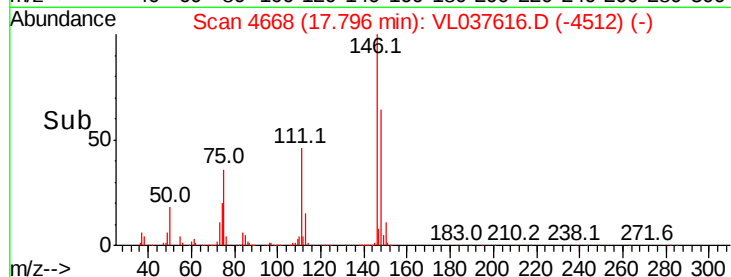
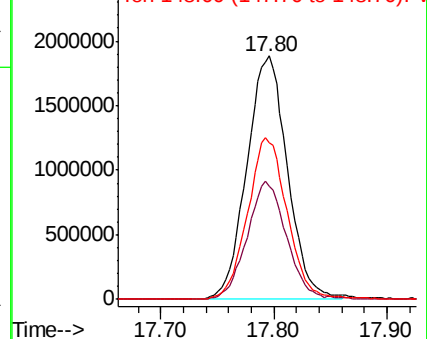
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 11.938 ppbv

RT: 23.35 min Scan# 6396

Delta R.T. 0.00 min

Lab File: VL037616.D

Acq: 16 Sep 2021 12:50

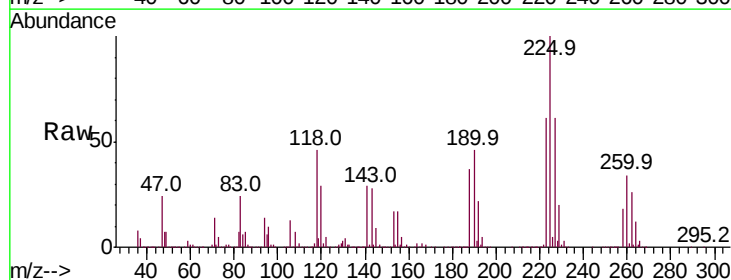
Tgt Ion:225 Resp: 3367512

Ion Ratio Lower Upper

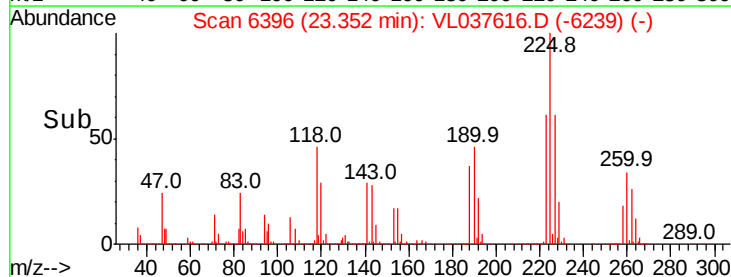
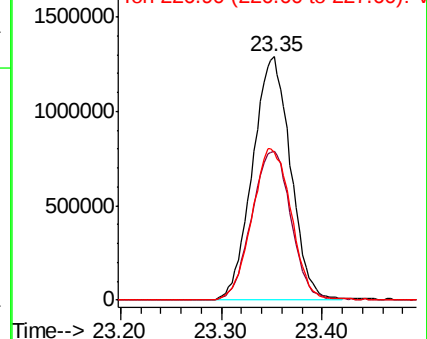
225 100

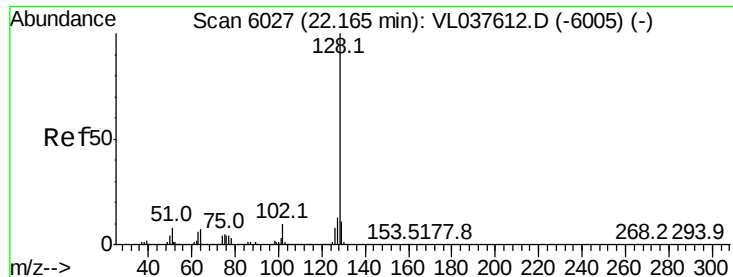
223 63.5 51.1 76.7

227 64.8 52.2 78.4



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





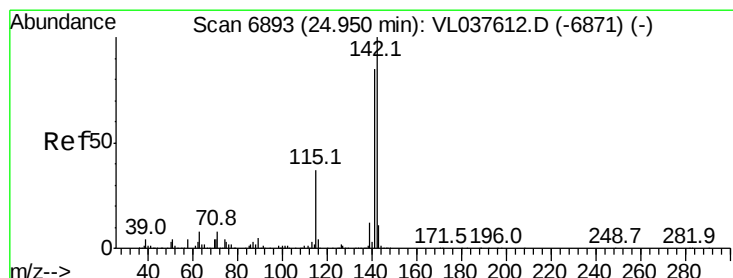
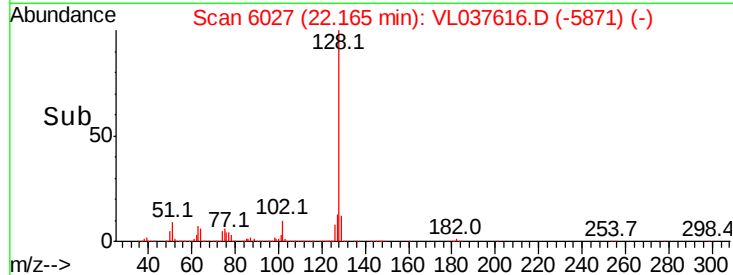
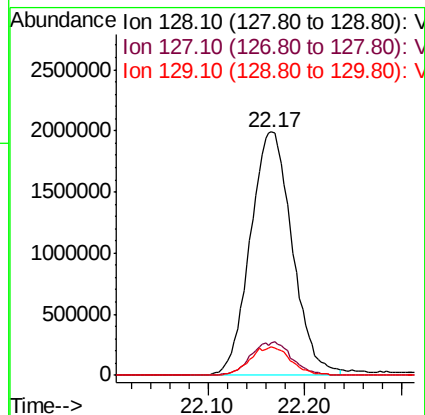
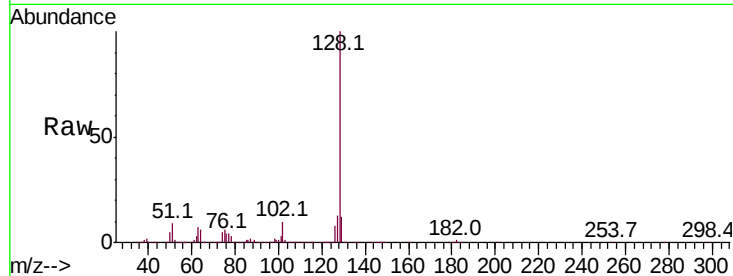
#79
Naphthalene
Concen: 15.637 ppbv
RT: 22.17 min Scan# 6027
Delta R.T. 0.00 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Instrument :
MSVOA_L
ClientSampled :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	11.9	8.6	12.8

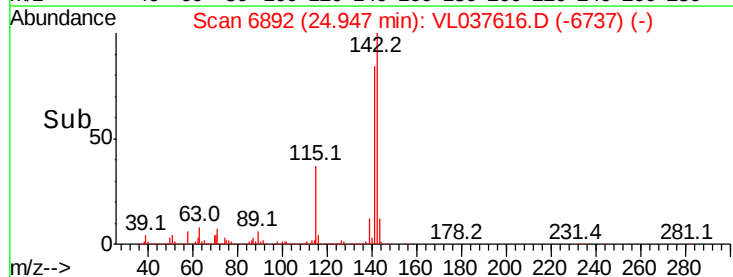
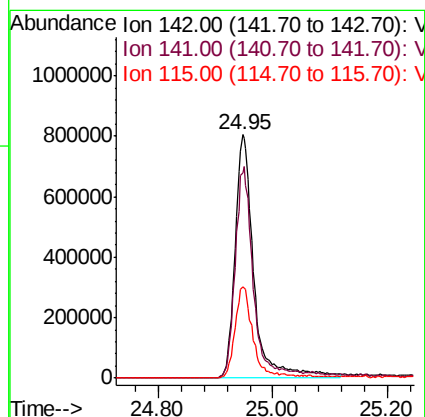
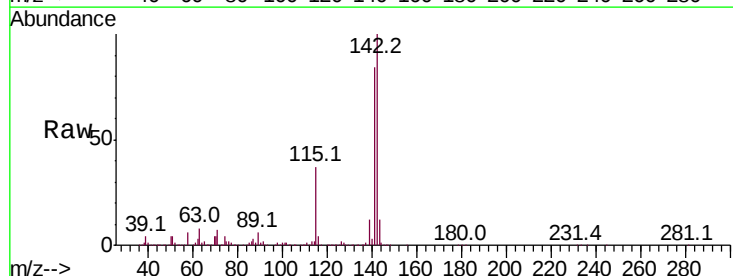
Manual Integrations
APPROVED

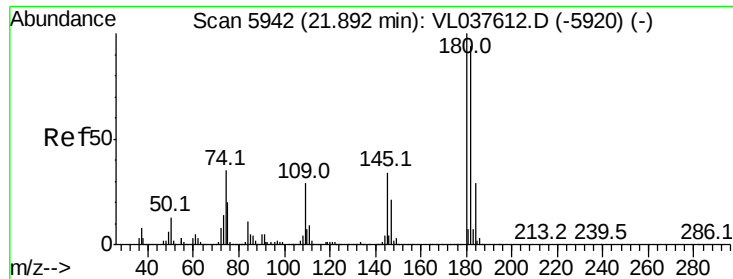
MMDadoda
9/20/2021 5:26:51 PM



#80
Naphthalene, 2-methyl-
Concen: 17.263 ppbv
RT: 24.95 min Scan# 6892
Delta R.T. -0.00 min
Lab File: VL037616.D
Acq: 16 Sep 2021 12:50

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.3	70.9	106.3
115	37.3	29.6	44.4





#81
 1,2,4-Trichlorobenzene
 Concen: 14.476 ppbv
 RT: 21.89 min Scan# 5942
 Delta R.T. 0.00 min
 Lab File: VL037616.D
 Acq: 16 Sep 2021 12:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	78.9	118.3
184	32.3	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
 9/20/2021 5:26:51 PM

