

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062221\
 Data File : VL037217.D
 Acq On : 22 Jun 2021 14:25
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

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 6/24/2021 4:32:41 PM

Quant Time: Jun 23 01:50:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1638776	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4875760	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4638507m	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	3417306	9.72	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	2637790	9.255	ppbv 98
3) Chlorodifluoromethane	3.00	51	2794211	8.769	ppbv 100
4) Chloromethane	3.15	50	971707	9.150	ppbv 99
5) Vinyl Chloride	3.27	62	1039422	8.905	ppbv 98
6) Bromomethane	3.49	94	551891	7.926	ppbv 99
7) Chloroethane	3.57	64	388416	9.310	ppbv 99
8) Dichlorotetrafluoroethane	3.20	85	2707577	9.261	ppbv 96
9) Propene	3.02	41	927050	9.099	ppbv 99
10) Heptane	8.14	43	2346229	9.508	ppbv 100
11) Trichlorofluoromethane	3.96	101	2760683	9.078	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.50	101	2059492	9.607	ppbv 99
13) Ethanol	3.63	45	121507m	7.709	ppbv
14) Bromoethene	3.75	108	847456	9.472	ppbv 99
15) Acetone	3.86	43	1388213	7.512	ppbv 98
16) 1,3-Butadiene	3.34	39	1007434	9.221	ppbv 97
17) tert-Butyl alcohol	4.30	59	1677913	9.824	ppbv 99
18) 1,1-Dichloroethene	4.30	96	894759	9.419	ppbv 98
19) Isopropyl Alcohol	3.98	45	869274	7.766	ppbv # 97
20) Methylene Chloride	4.36	84	795276	7.188	ppbv 96
21) Allyl Chloride	4.43	41	1345455	9.659	ppbv 98
22) trans-1,2-Dichloroethene	4.90	96	933444	9.930	ppbv 99
23) Vinyl Acetate	5.09	43	2290445	8.644	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1857715	8.708	ppbv 99
25) Ethyl Acetate	5.70	43	3622376	9.054	ppbv 100
26) Hexane	5.70	57	1783365	8.820	ppbv 98
27) Carbon Disulfide	4.56	76	2210102	11.156	ppbv 100
28) Methyl tert-Butyl Ether	5.05	73	2049052	8.429	ppbv 98
29) Chloroform	5.77	83	2824955	9.044	ppbv 99
30) Cyclohexane	7.15	84	1553971	9.224	ppbv 99
31) cis-1,2-Dichloroethene	5.57	61	1756889	9.456	ppbv 99
32) 1,1,1-Trichloroethane	6.53	97	2980735	8.918	ppbv 99
34) 2-Butanone	5.27	43	1616697	8.526	ppbv 99
35) Carbon Tetrachloride	7.04	117	3146517	9.622	ppbv 99
36) Benzene	6.91	78	3681466	9.337	ppbv 99
37) 1,2-Dichloroethane	6.33	62	2127058	9.287	ppbv 99
38) Trichloroethene	7.86	130	1567790	8.365	ppbv 98
39) 1,2-Dichloropropane	7.64	63	1424448	9.723	ppbv 97
40) 1,4-Dioxane	7.86	88	334924	8.336	ppbv 61
41) Tetrahydrofuran	6.07	42	871609	9.896	ppbv 99
42) Bromodichloromethane	7.81	83	3148294	9.964	ppbv 98
43) Methyl Methacrylate	8.03	69	1365520	10.029	ppbv 99

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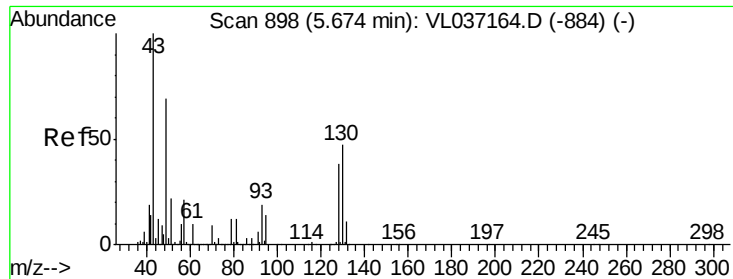
Manual Integrations
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Quant Time: Jun 23 01:50:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	6070630	9.144	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1000435	8.328	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1283294	7.809	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1558442	9.324	ppbv	99
48) Dibromochloromethane	10.33	129	2803027	10.624	ppbv	99
49) Bromoform	13.06	173	2338426	11.896	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2612806	10.032	ppbv	100
51) 2-Hexanone	10.16	43	1368248	10.797	ppbv #	99
52) Tetrachloroethene	11.24	164	1516290	8.277	ppbv	98
53) Toluene	9.83	91	4424199	9.394	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2284649	9.511	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.15	131	1904546	9.391	ppbv #	60
57) Chlorobenzene	12.17	112	3315849	8.815	ppbv	96
58) Ethyl Benzene	12.73	91	5862923	9.182	ppbv	99
59) m/p-Xylene	13.02	91	9785662m	18.084	ppbv	
60) o-Xylene	13.71	91	4674797	9.073	ppbv	99
61) Styrene	13.55	104	2681201	10.082	ppbv	99
62) Isopropylbenzene	14.69	105	6538213	8.924	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	3154066	9.193	ppbv	100
64) n-propylbenzene	15.58	120	1778363	9.692	ppbv	100
65) tert-Butylbenzene	16.76	119	5889007	9.062	ppbv	99
66) Benzyl Chloride	17.01	91	197724	7.180	ppbv #	94
67) sec-Butylbenzene	17.32	105	7830599	9.037	ppbv	100
69) p-Isopropyltoluene	17.67	119	6831564	9.333	ppbv	99
70) n-Butylbenzene	18.57	91	6486657	9.576	ppbv	100
71) 2-Chlorotoluene	15.47	91	4801655	9.373	ppbv	99
72) 4-Ethyltoluene	15.86	105	5645243	9.644	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	5142606	9.089	ppbv	98
74) 1,2,4-Trimethylbenzene	16.79	105	5365949	9.204	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	3231947	9.117	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	3205589	9.054	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	3122991	9.107	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	2080656	7.057	ppbv	99
79) Naphthalene	22.22	128	4124223	8.484	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	1176031	9.225	ppbv	94
81) 1,2,4-Trichlorobenzene	21.95	180	2364864	8.431	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

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MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1638776

Ion Ratio Lower Upper

49 100

128 57.6 29.3 88.0

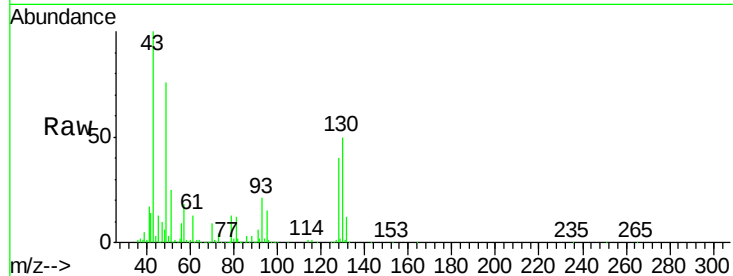
130 71.6 35.9 107.8

Manual Integrations

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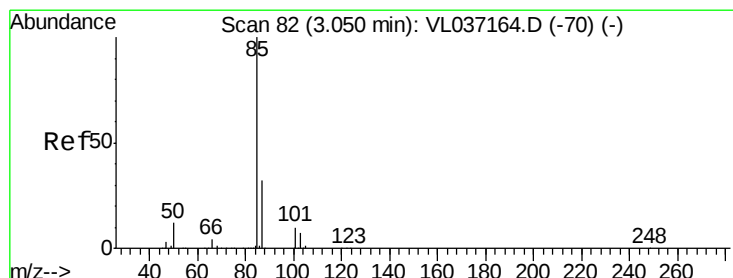
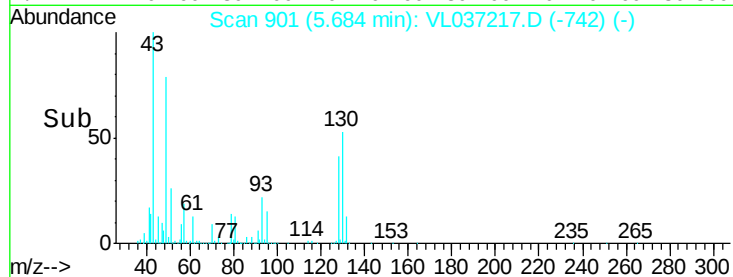
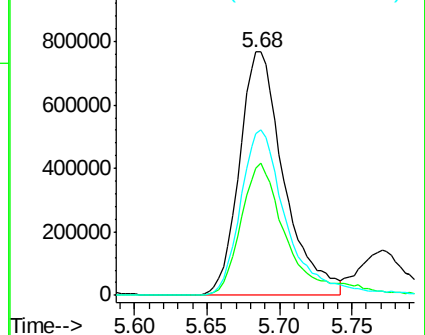
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.255 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL037217.D

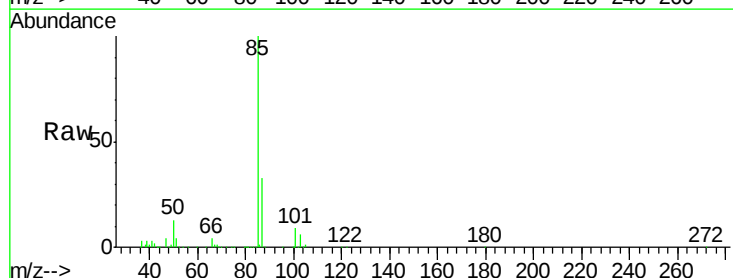
Acq: 22 Jun 2021 14:25

Tgt Ion: 85 Resp: 2637790

Ion Ratio Lower Upper

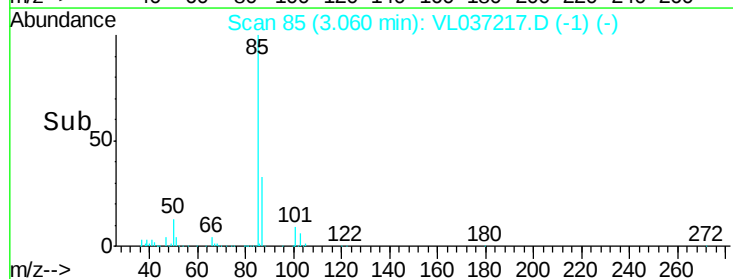
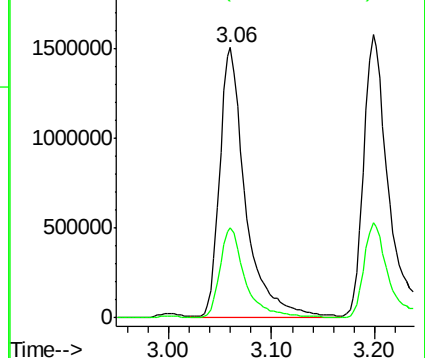
85 100

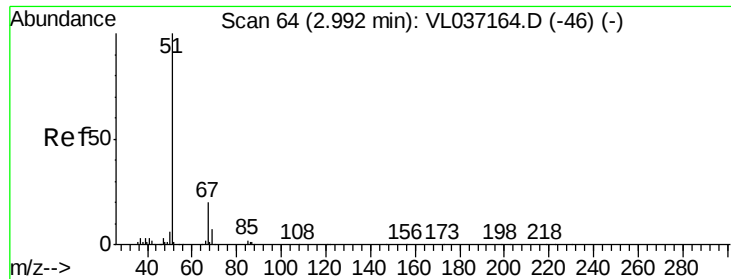
87 33.4 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.769 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

Tot Ion: 51 Resp: 2794211

Ion Ratio Lower Upper

51 100

67 19.5 15.8 23.6

Instrument :

MSVOA_L

ClientSampleId :

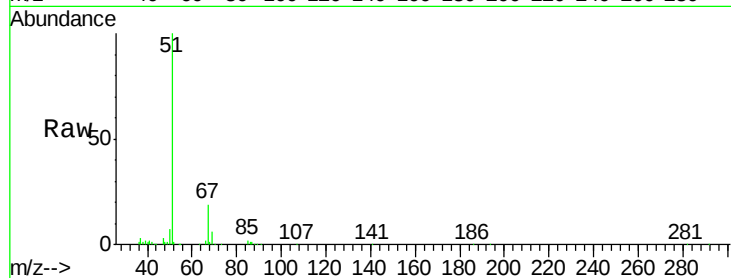
VSTDCCC010

Manual Integrations

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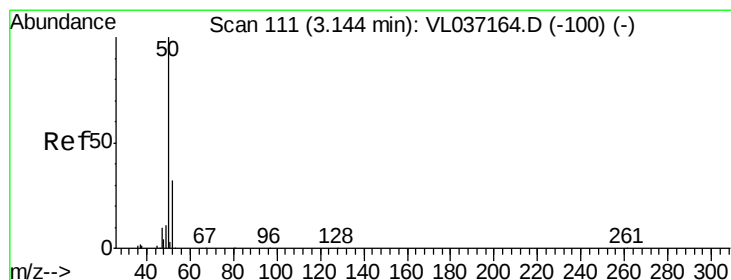
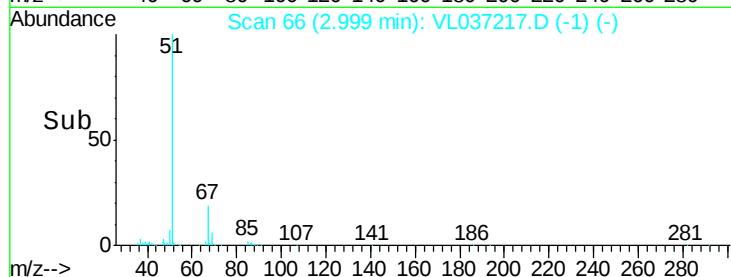
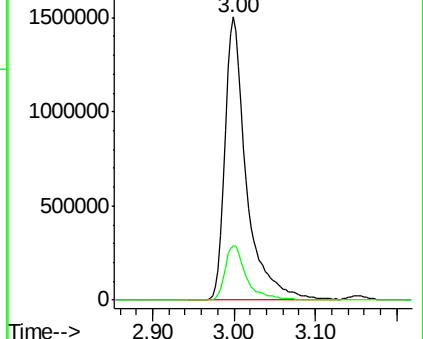
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.150 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL037217.D

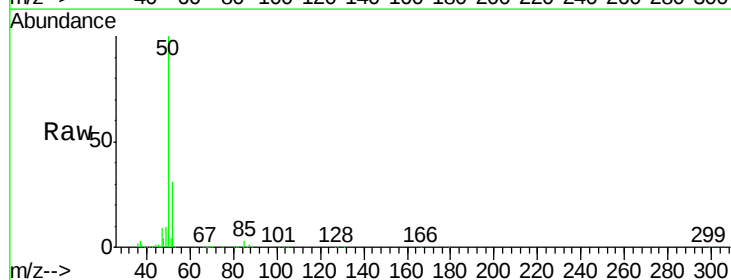
Acq: 22 Jun 2021 14:25

Tgt Ion: 50 Resp: 971707

Ion Ratio Lower Upper

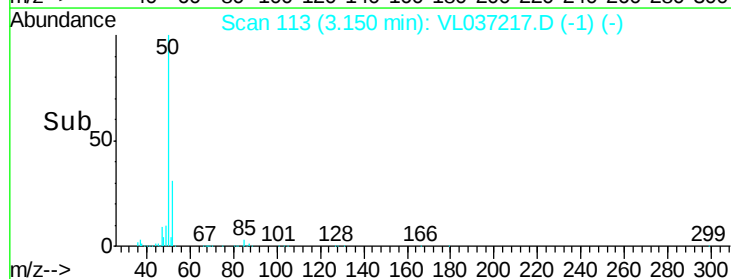
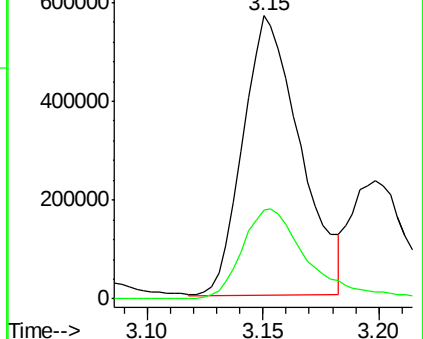
50 100

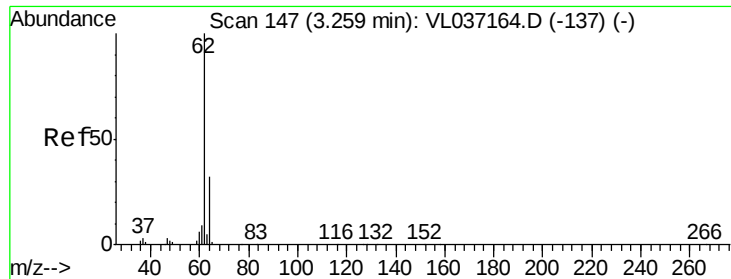
52 31.8 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.905 ppbv

RT: 3.27 min Scan# 150

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 1039422

Ion Ratio Lower Upper

62 100

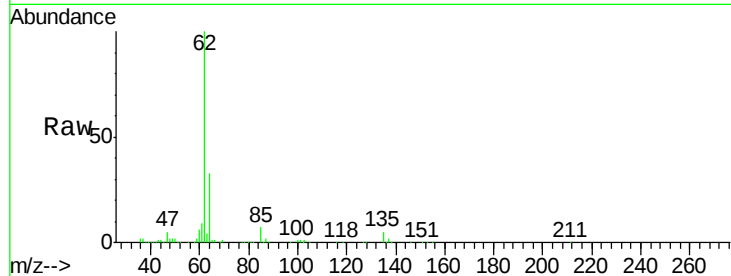
64 33.2 25.6 38.4

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.27

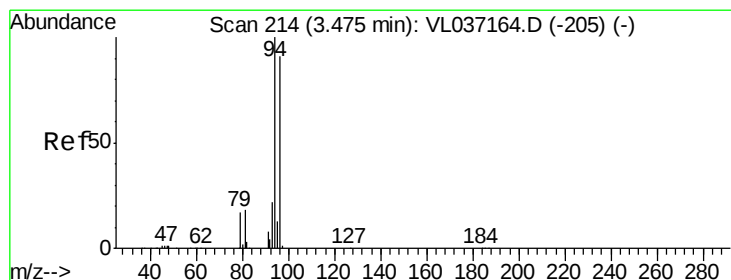
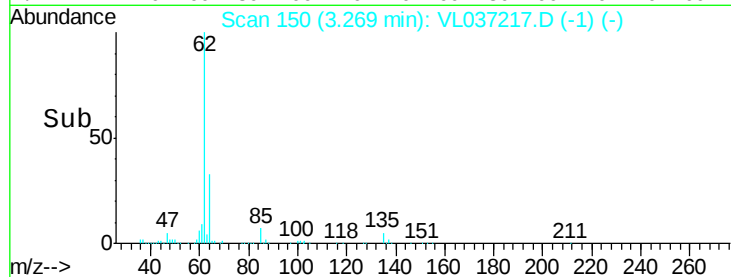
600000

400000

200000

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Time-->



#6

Bromomethane

Concen: 7.926 ppbv

RT: 3.49 min Scan# 218

Delta R.T. 0.01 min

Lab File: VL037217.D

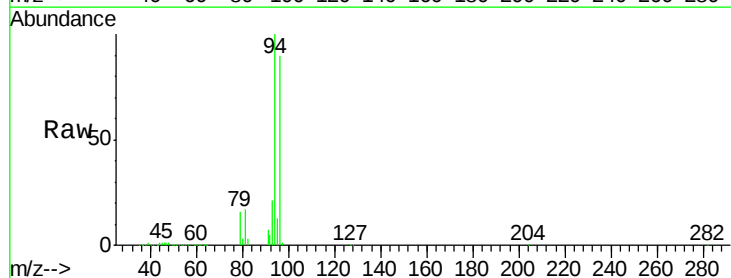
Acq: 22 Jun 2021 14:25

Tgt Ion: 94 Resp: 551891

Ion Ratio Lower Upper

94 100

96 90.1 72.6 108.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.49

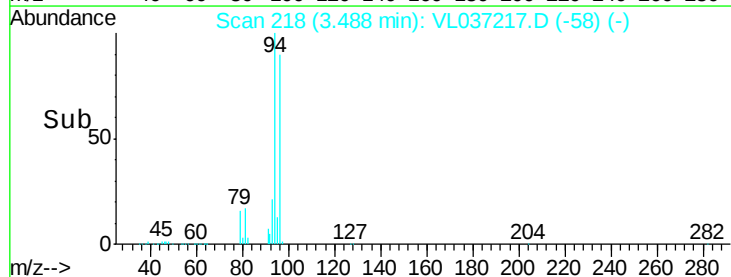
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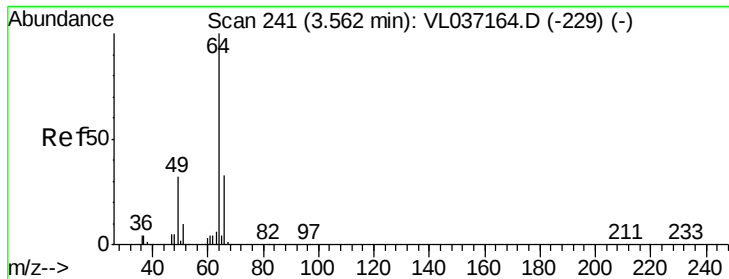
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100000

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Time-->





#7

Chloroethane

Concen: 9.310 ppbv

RT: 3.57 min Scan# 244

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 388416

Ion Ratio Lower Upper

64 100

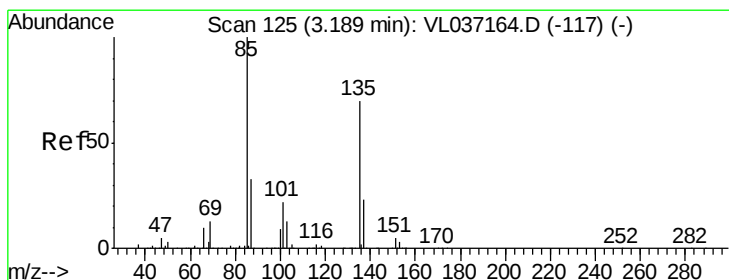
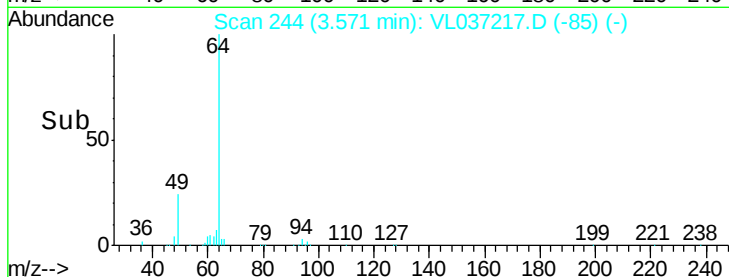
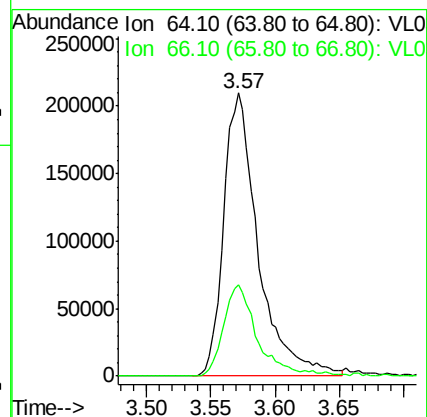
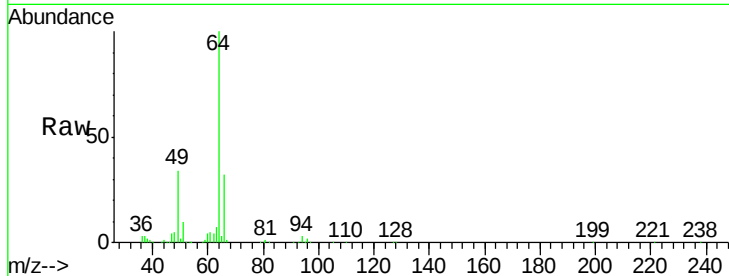
66 32.1 26.2 39.4

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.261 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.01 min

Lab File: VL037217.D

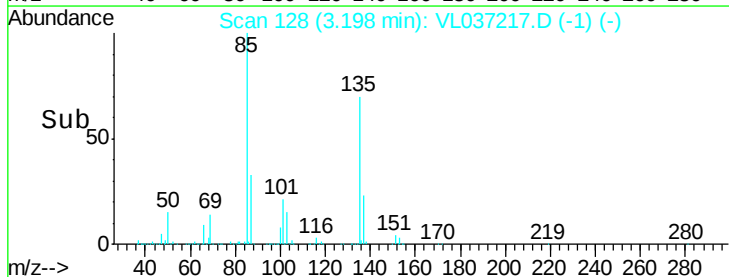
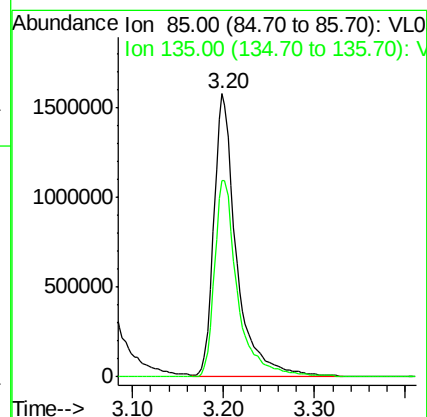
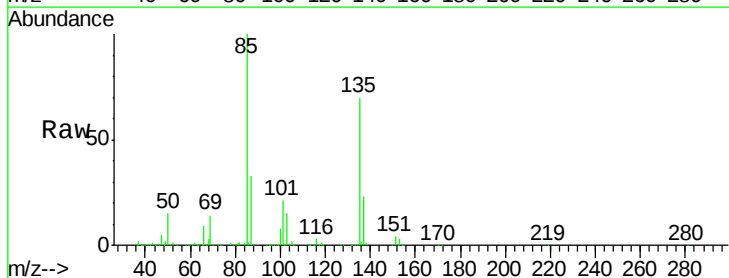
Acq: 22 Jun 2021 14:25

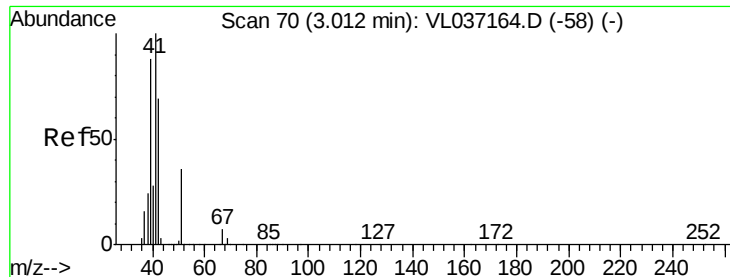
Tgt Ion: 85 Resp: 2707577

Ion Ratio Lower Upper

85 100

135 72.5 60.4 90.6





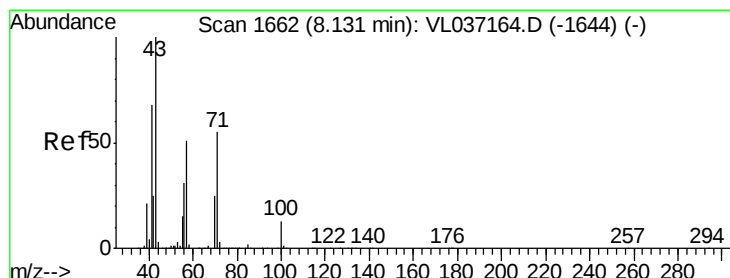
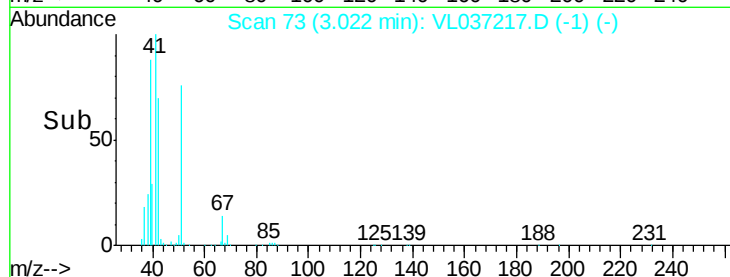
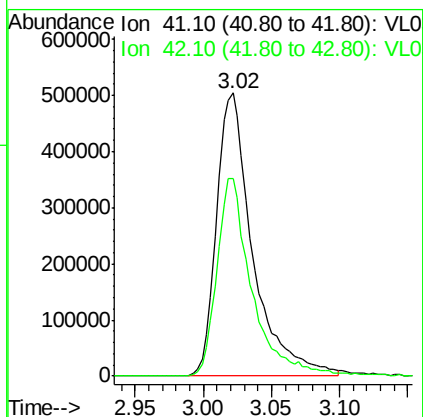
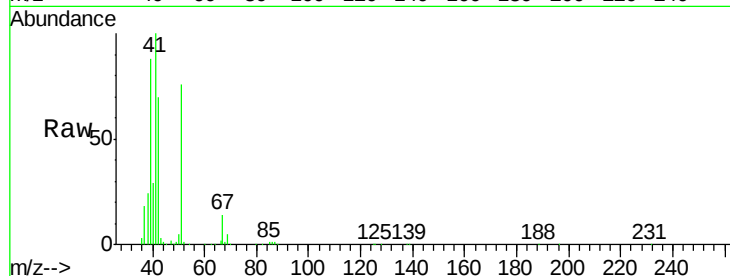
#9
 Propene
 Concen: 9.099 ppbv
 RT: 3.02 min Scan# 73
 Delta R.T. 0.01 min
 Lab File: VL037217.D
 Acq: 22 Jun 2021 14:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
42	68.5	54.5	81.7

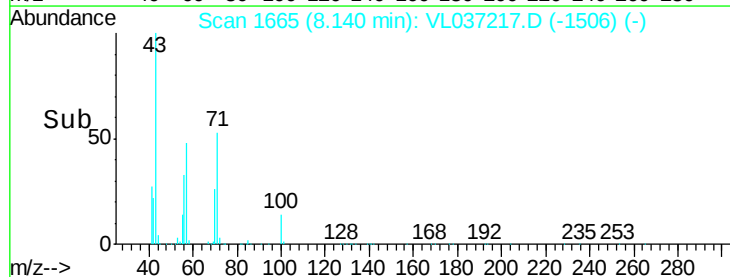
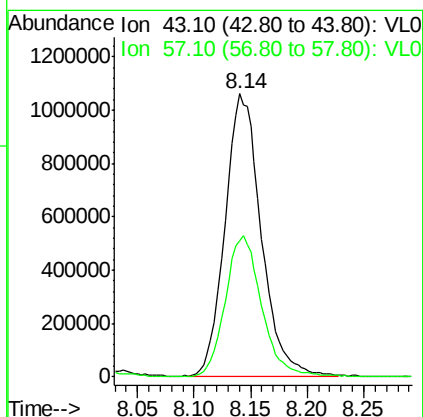
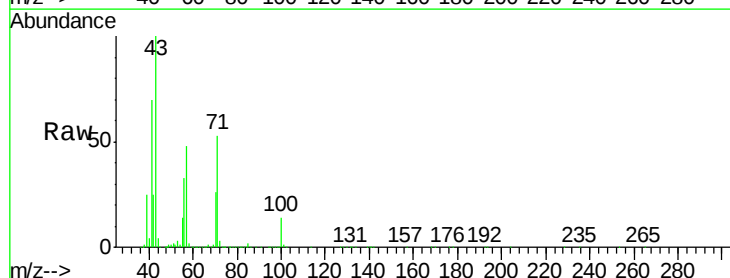
Manual Integrations
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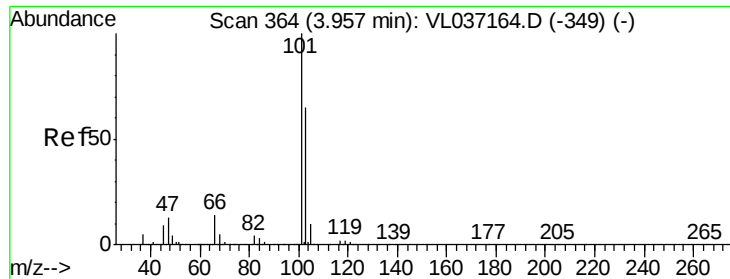
MMDadoda
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#10
 Heptane
 Concen: 9.508 ppbv
 RT: 8.14 min Scan# 1665
 Delta R.T. 0.01 min
 Lab File: VL037217.D
 Acq: 22 Jun 2021 14:25

Tgt Ion	Ratio	Lower	Upper
43	100		
57	50.6	40.6	61.0





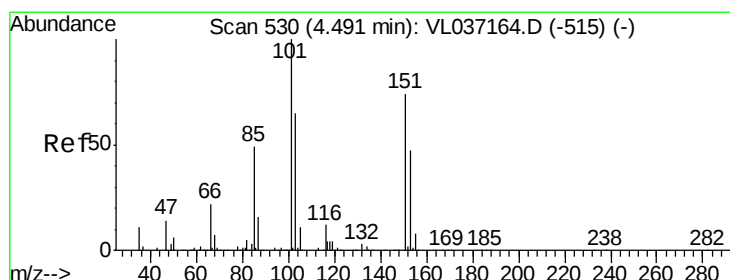
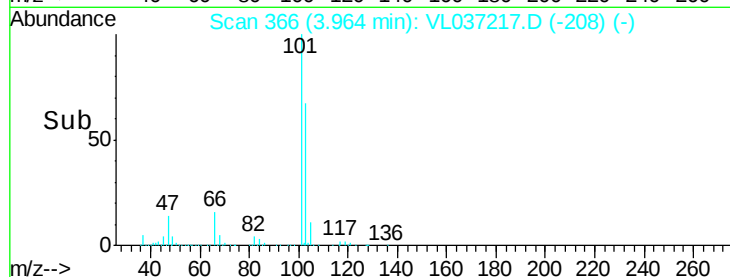
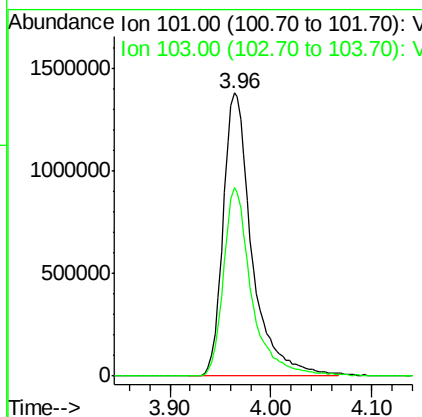
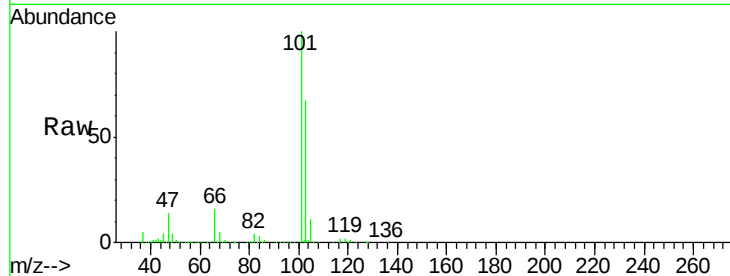
#11
 Trichlorofluoromethane
 Concen: 9.078 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VL037217.D
 Acq: 22 Jun 2021 14:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2760683
 Ion Ratio Lower Upper
 101 100
 103 66.8 52.2 78.4

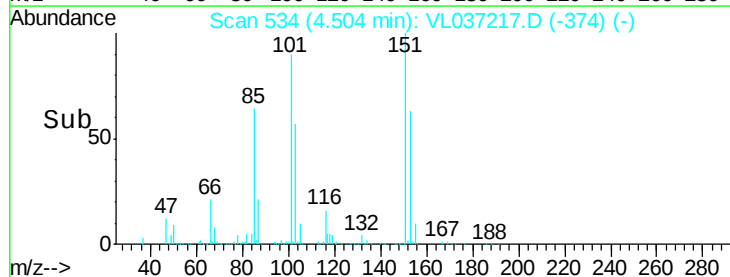
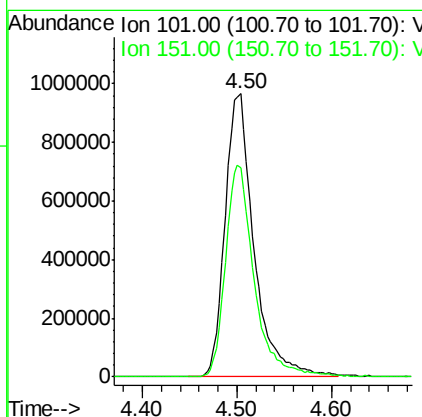
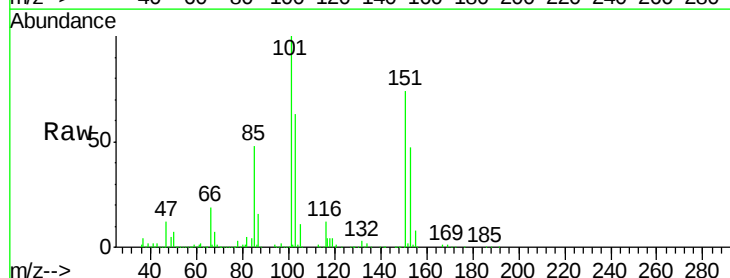
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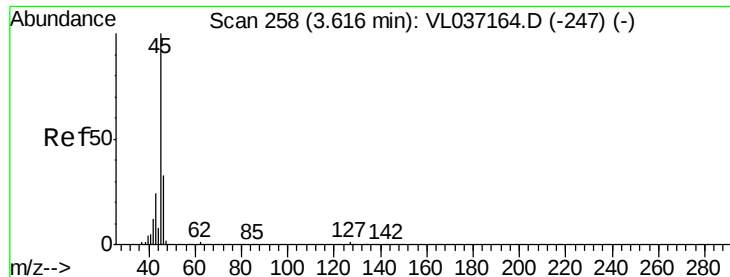
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.607 ppbv
 RT: 4.50 min Scan# 534
 Delta R.T. 0.01 min
 Lab File: VL037217.D
 Acq: 22 Jun 2021 14:25

Tgt Ion:101 Resp: 2059492
 Ion Ratio Lower Upper
 101 100
 151 74.4 59.1 88.7





#13

Ethanol

Concen: 7.709 ppbv m

RT: 3.63 min Scan# 261

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 121507

Ion Ratio Lower Upper

45 100

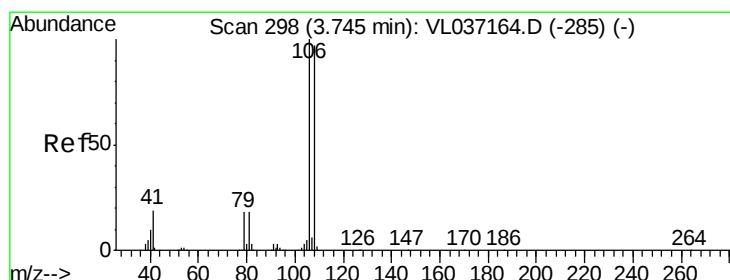
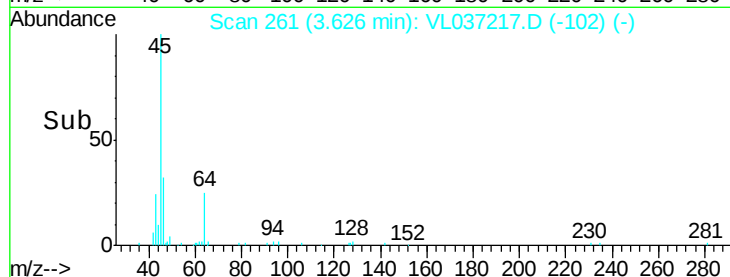
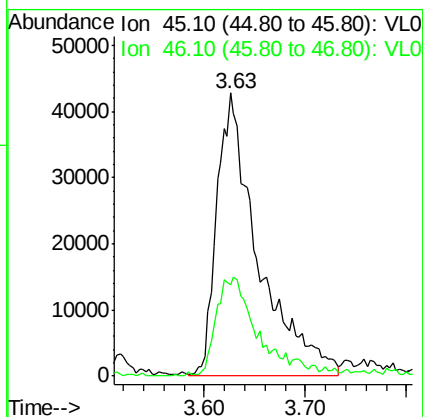
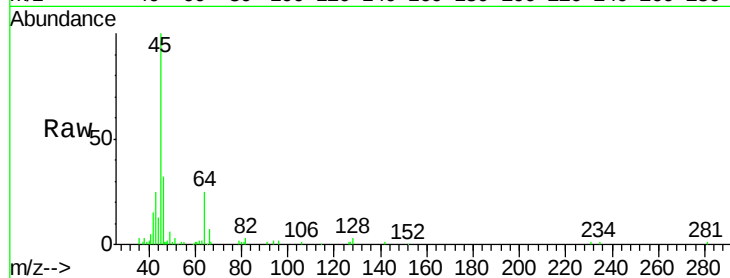
46 36.9 34.2 137.0

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#14

Bromoethene

Concen: 9.472 ppbv

RT: 3.75 min Scan# 300

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

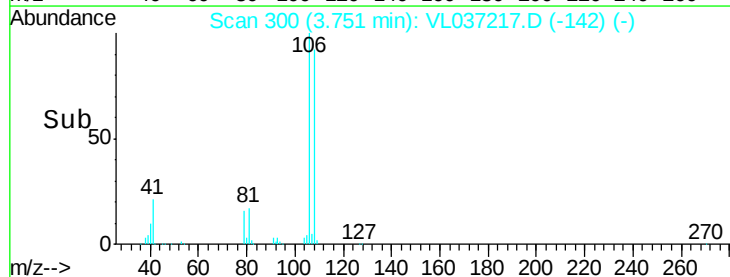
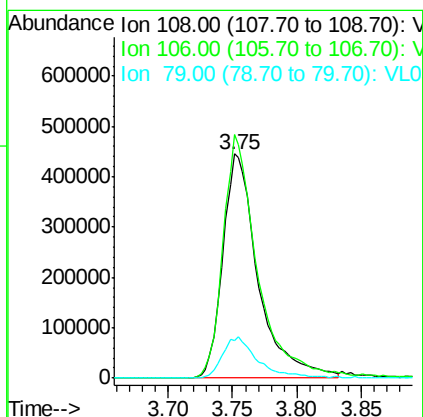
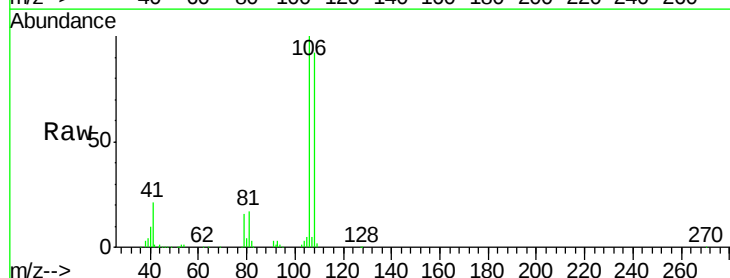
Tgt Ion: 108 Resp: 847456

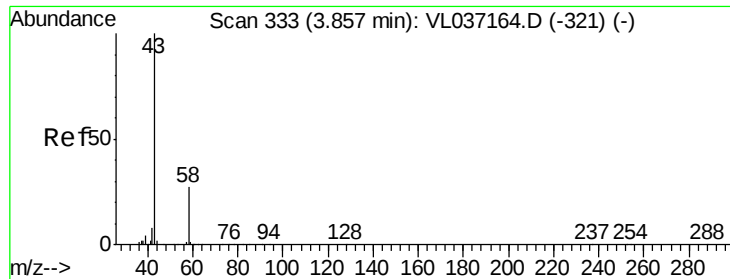
Ion Ratio Lower Upper

108 100

106 107.4 86.8 130.2

79 19.3 15.6 23.4





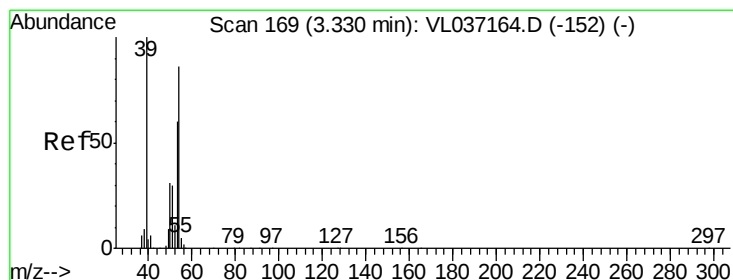
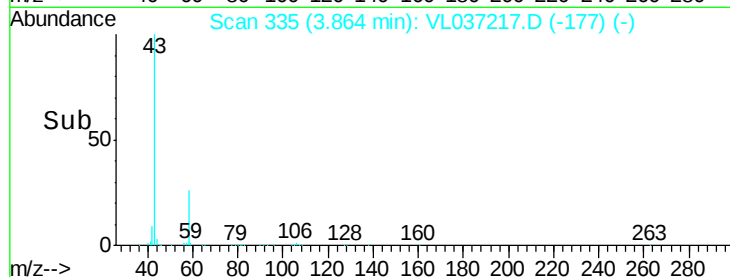
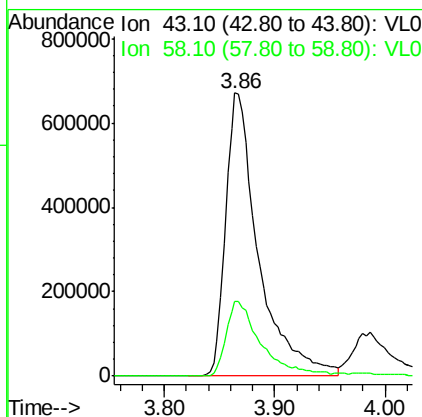
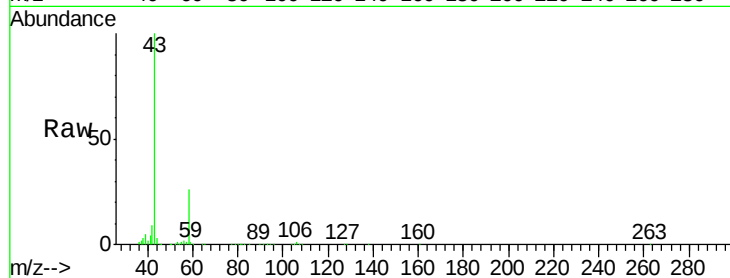
#15
Acetone
Concen: 7.512 ppbv
RT: 3.86 min Scan# 335
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1388213
Ion Ratio Lower Upper
43 100
58 28.5 23.7 35.5

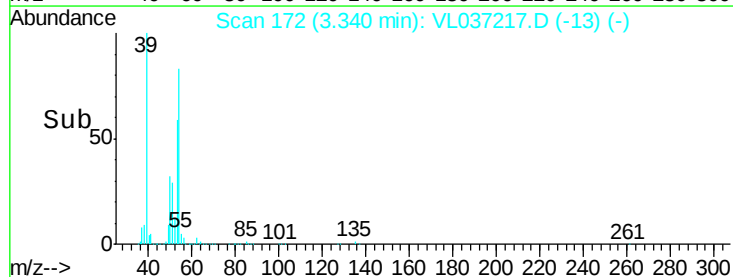
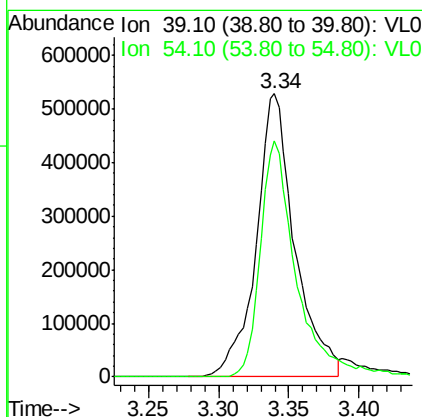
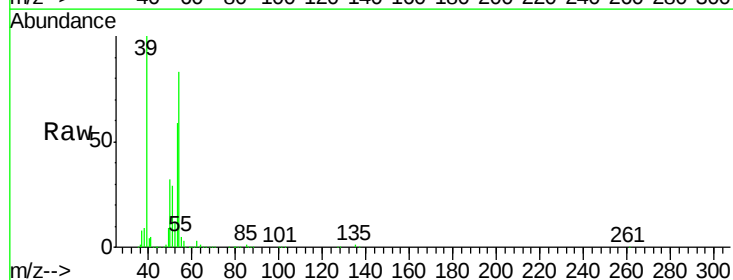
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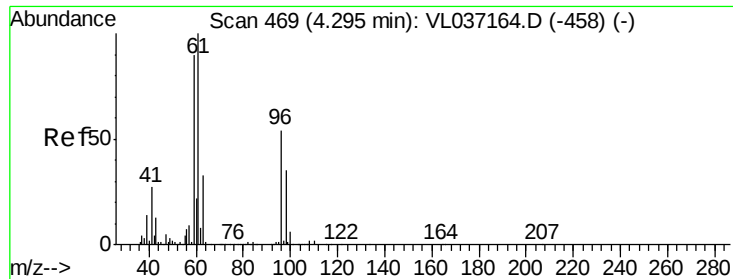
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#16
1,3-Butadiene
Concen: 9.221 ppbv
RT: 3.34 min Scan# 172
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Tgt Ion: 39 Resp: 1007434
Ion Ratio Lower Upper
39 100
54 79.2 61.2 91.8





#17

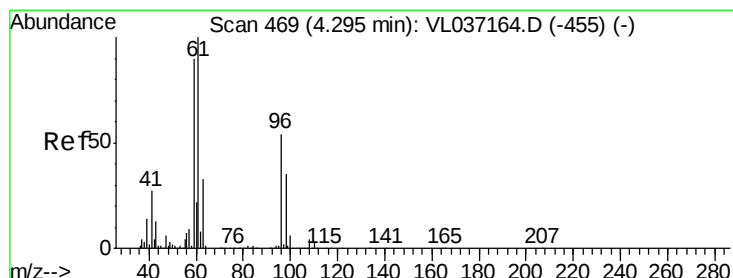
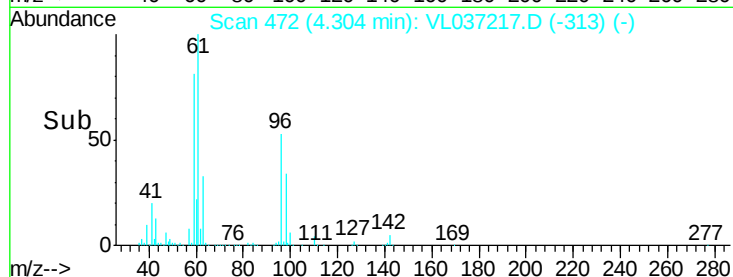
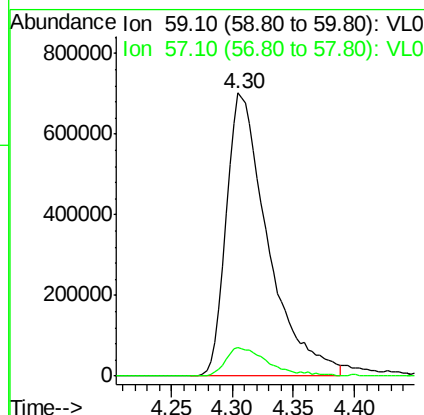
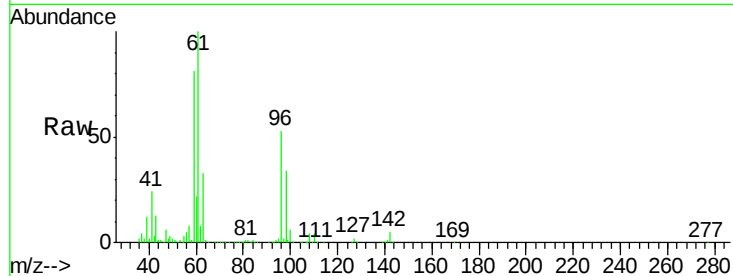
tert-Butyl alcohol
Concen: 9.824 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1677913
Ion Ratio Lower Upper
59 100
57 10.8 8.8 13.2

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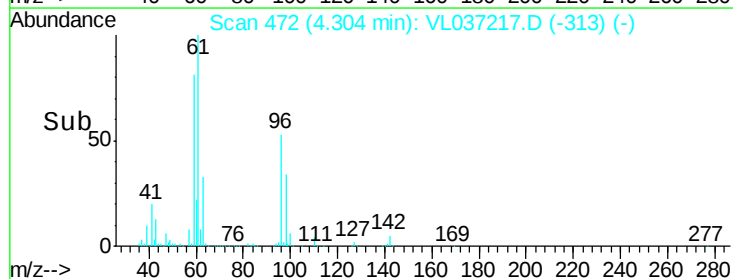
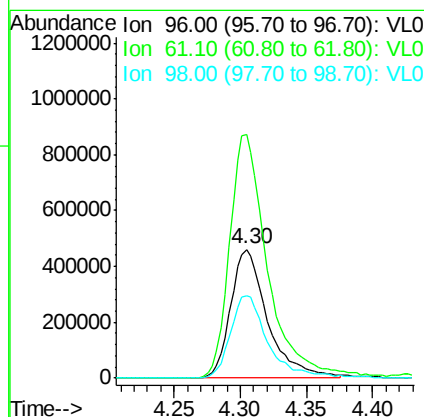
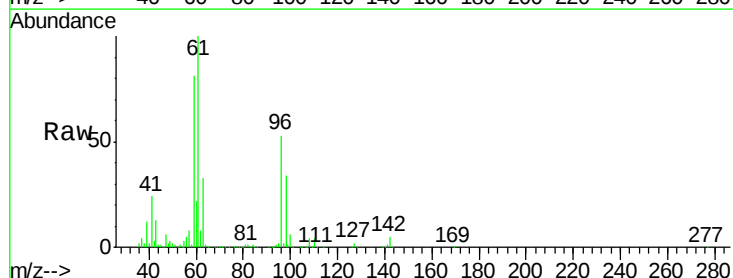
MMDadoda
6/24/2021 4:32:41 PM

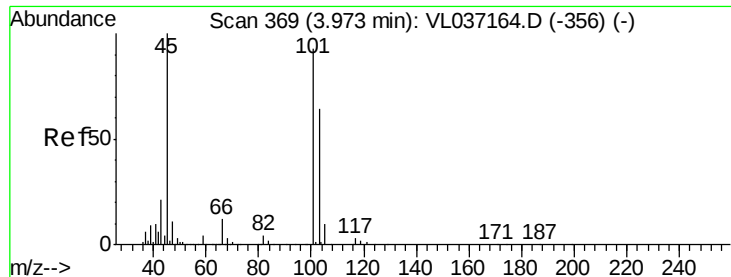


#18

1,1-Dichloroethene
Concen: 9.419 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Tgt Ion: 96 Resp: 894759
Ion Ratio Lower Upper
96 100
61 189.0 148.6 222.8
98 63.7 51.9 77.9





#19

Isopropyl Alcohol

Concen: 7.766 ppbv

RT: 3.98 min Scan# 372

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 869274

Ion Ratio Lower Upper

45 100

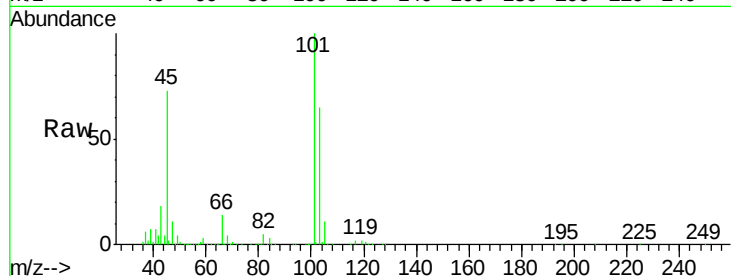
58 2.1 2.4 3.6#

Manual Integrations

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.98

400000

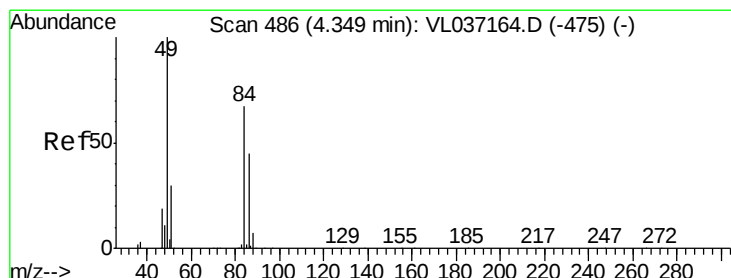
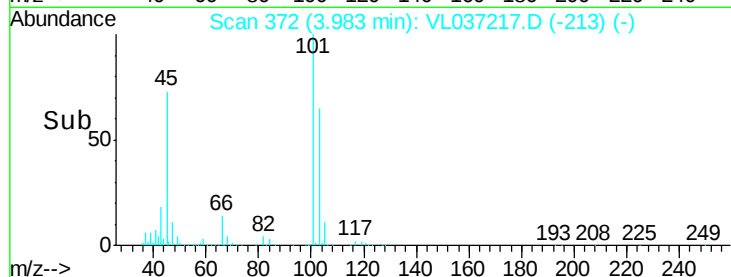
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 7.188 ppbv

RT: 4.36 min Scan# 489

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

Tgt Ion: 84 Resp: 795276

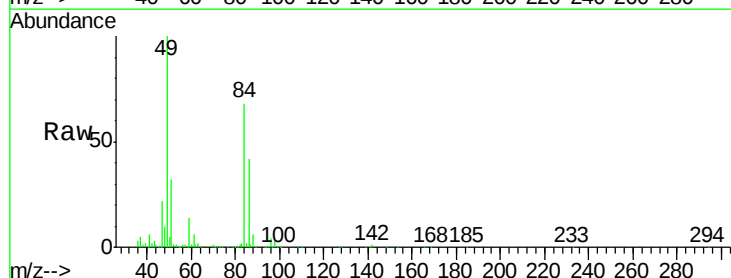
Ion Ratio Lower Upper

84 100

49 145.3 119.7 179.5

51 45.5 36.1 54.1

86 62.5 53.7 80.5



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

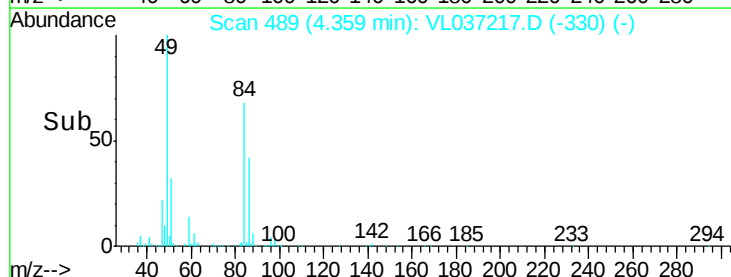
600000

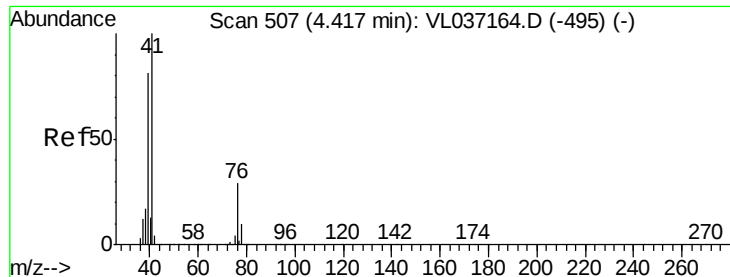
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 9.659 ppbv

RT: 4.43 min Scan# 510

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

Instrument :

MSVOA_L

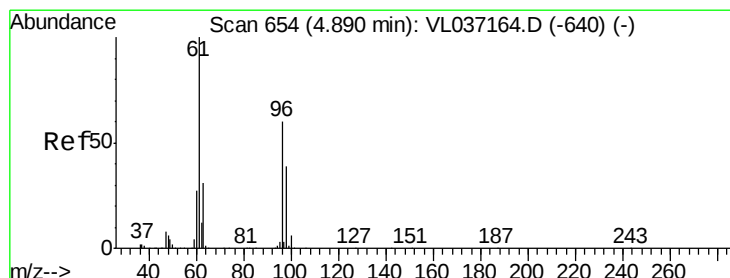
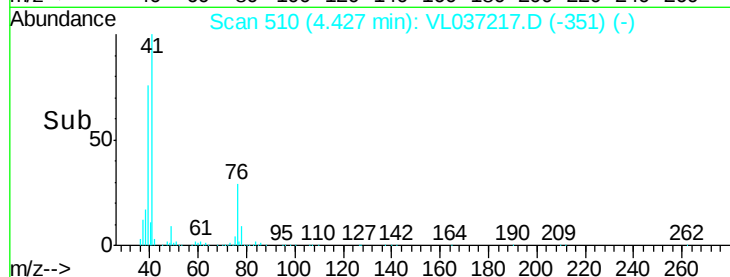
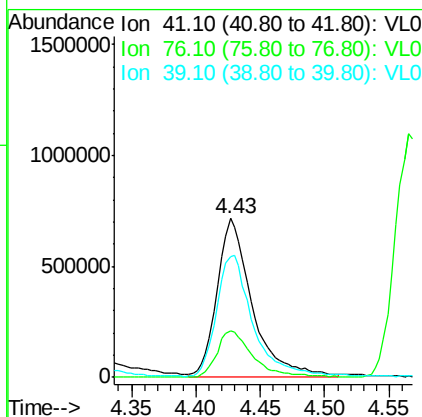
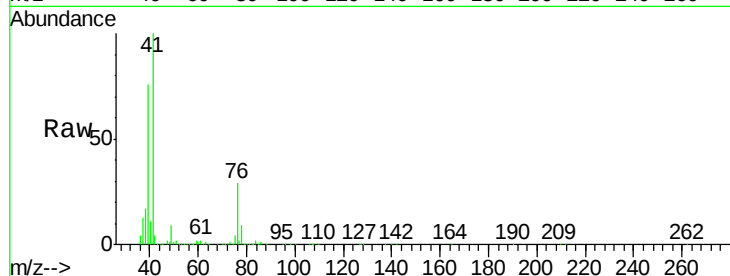
ClientSampleId :

VSTDCCC010

Tot Ion:	41	Resp:	1345455
Ion	Ratio	Lower	Upper
41	100		
76	30.4	24.6	37.0
39	79.2	65.4	98.0

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#22

trans-1,2-Dichloroethene

Concen: 9.930 ppbv

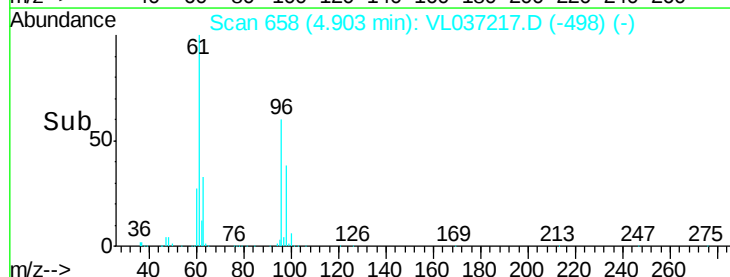
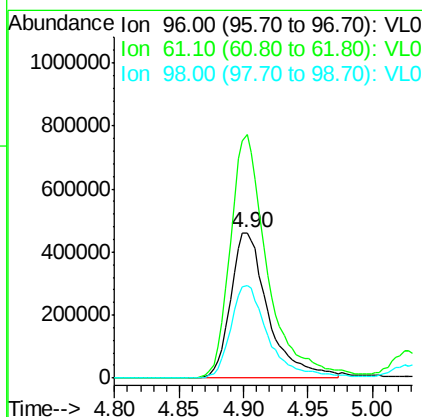
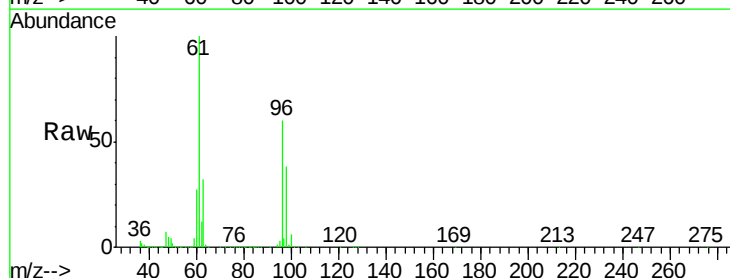
RT: 4.90 min Scan# 658

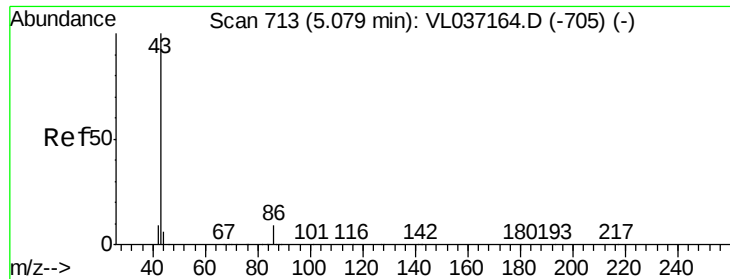
Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

Tgt Ion:	96	Resp:	933444
Ion	Ratio	Lower	Upper
96	100		
61	167.0	133.9	200.9
98	63.6	52.9	79.3





#23

Vinyl Acetate

Concen: 8.644 ppbv

RT: 5.09 min Scan# 717

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2290445

Ion Ratio Lower Upper

43 100

86 7.2 5.8 8.8

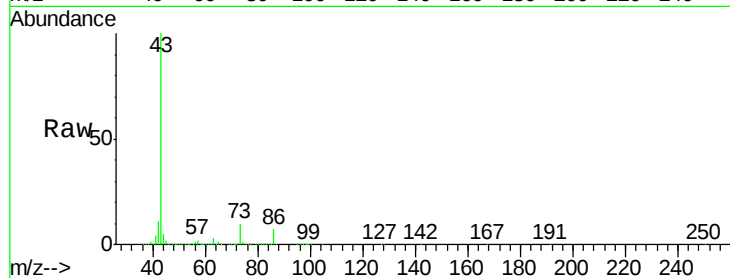
42 10.5 8.2 12.2

44 4.7 4.2 6.4

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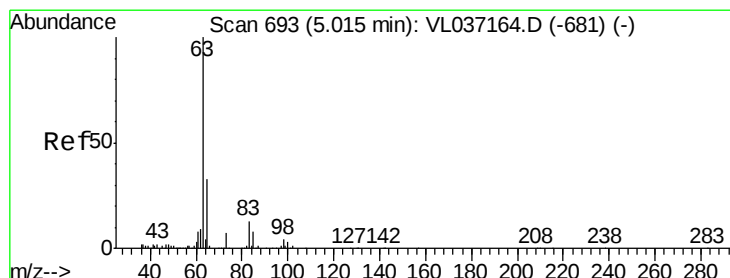
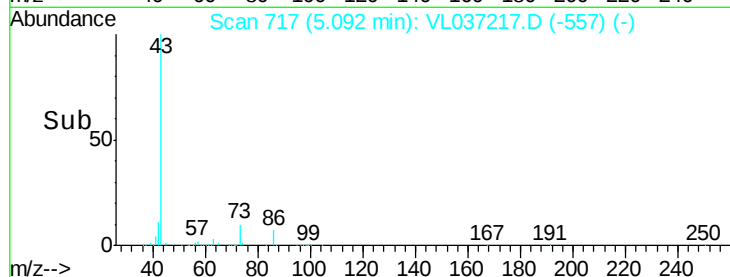
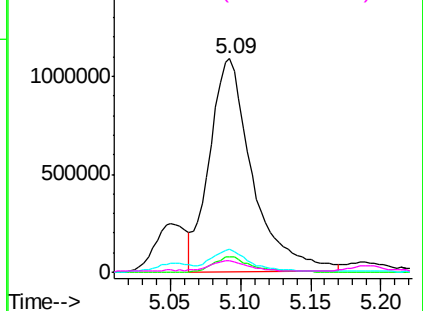


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.708 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

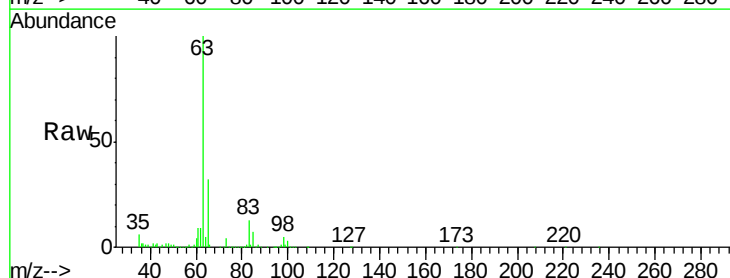
Tgt Ion: 63 Resp: 1857715

Ion Ratio Lower Upper

63 100

98 4.7 2.1 6.5

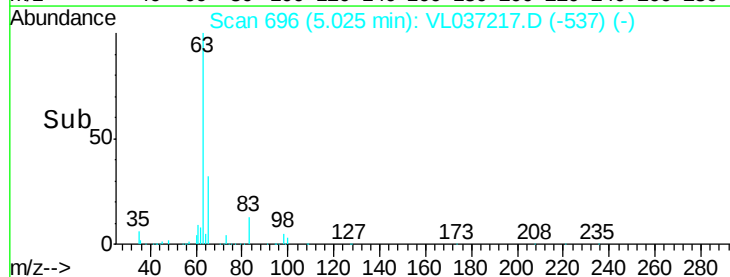
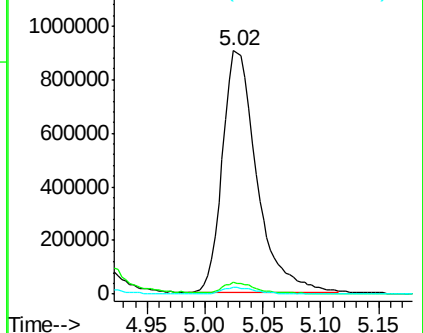
100 2.6 1.4 4.0

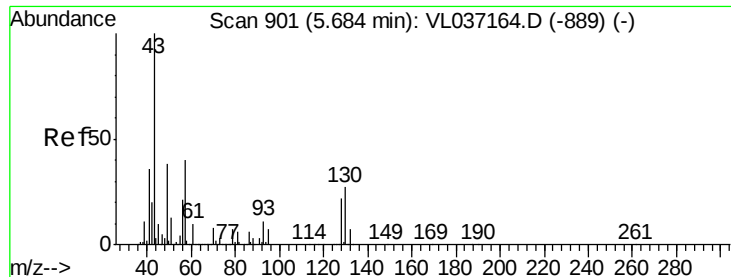


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





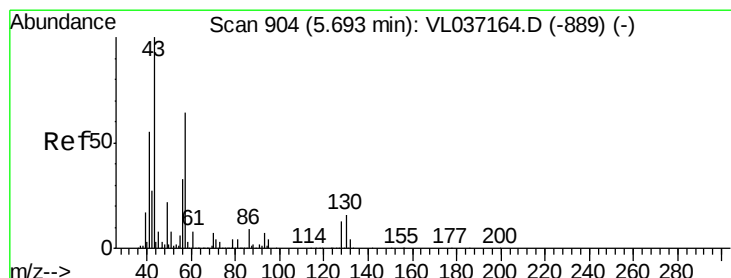
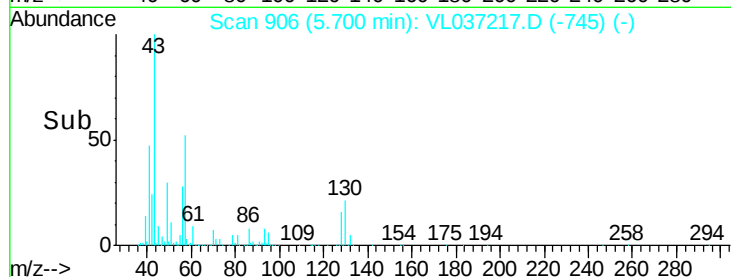
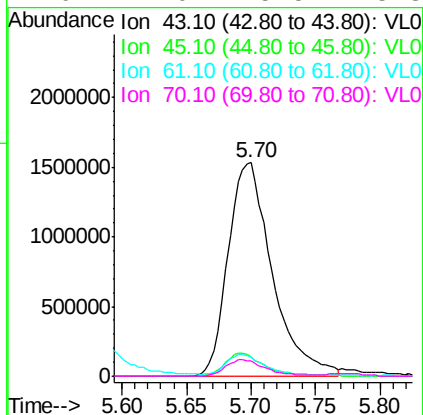
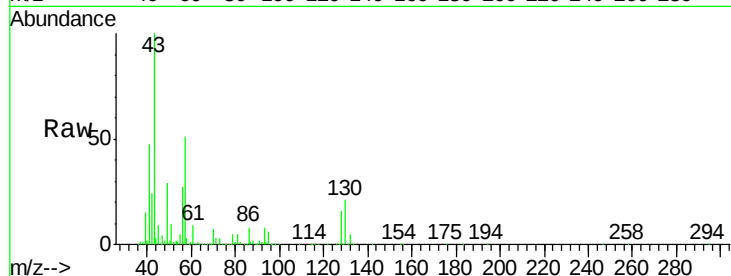
#25
Ethyl Acetate
Concen: 9.054 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.02 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	43	Resp	3622376
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.8	8.1	12.1
70	7.0	5.5	8.3

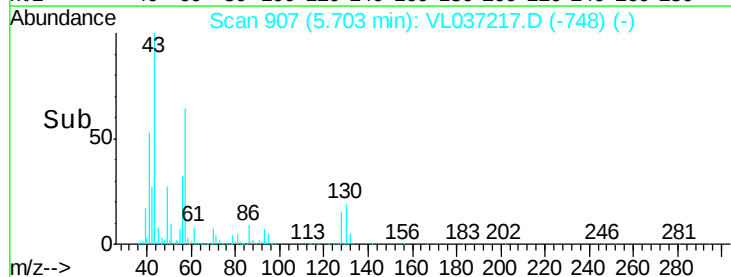
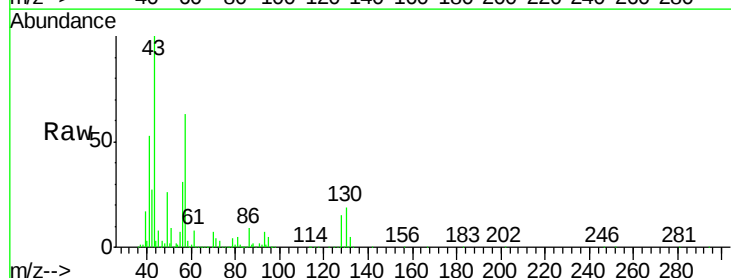
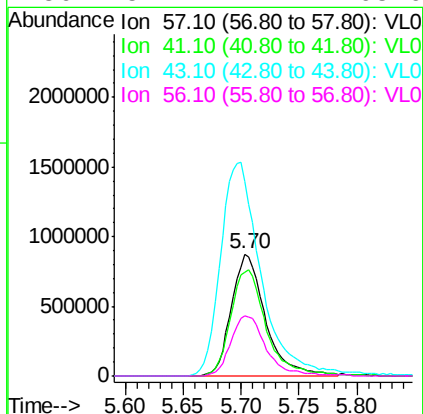
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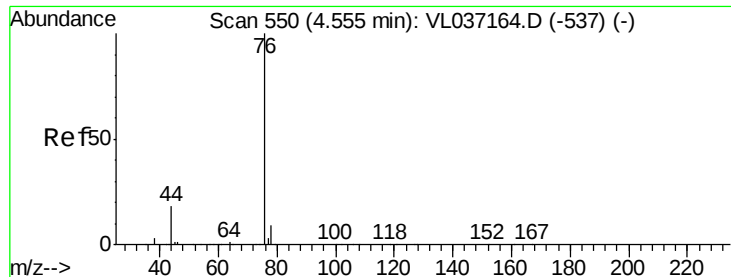
MMDadoda
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#26
Hexane
Concen: 8.820 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Tgt Ion	57	Resp	1783365
Ion	Ratio	Lower	Upper
57	100		
41	91.6	73.5	110.3
43	209.8	170.7	256.1
56	52.2	42.4	63.6





#27

Carbon Disulfide

Concen: 11.156 ppbv

RT: 4.56 min Scan# 553

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 2210102

Ion Ratio Lower Upper

76 100

44 19.6 15.4 23.2

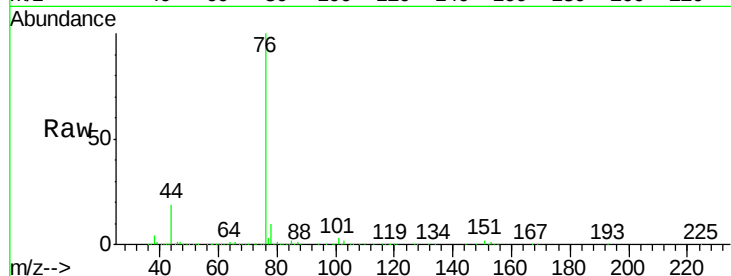
78 9.9 8.0 12.0

Manual Integrations

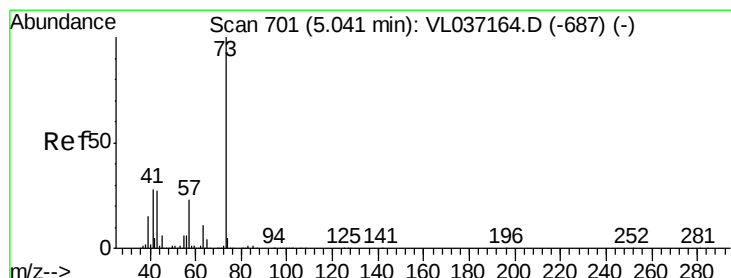
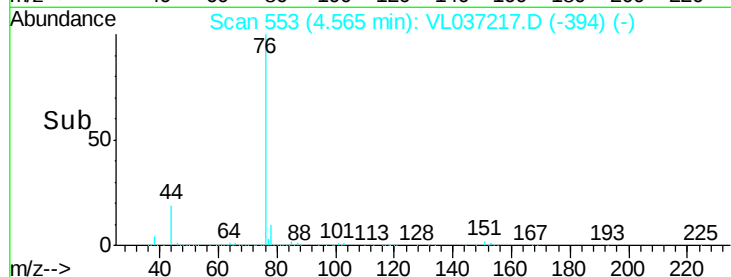
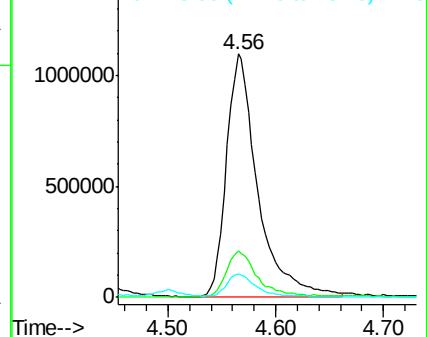
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 8.429 ppbv

RT: 5.05 min Scan# 705

Delta R.T. 0.01 min

Lab File: VL037217.D

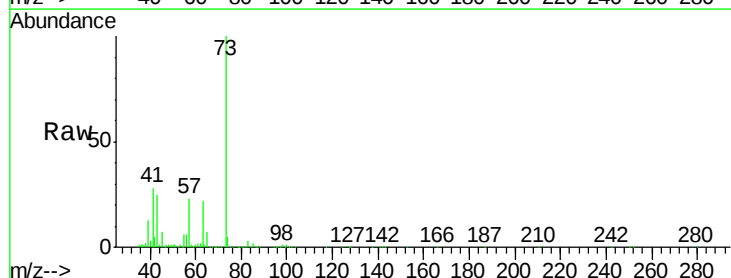
Acq: 22 Jun 2021 14:25

Tgt Ion: 73 Resp: 2049052

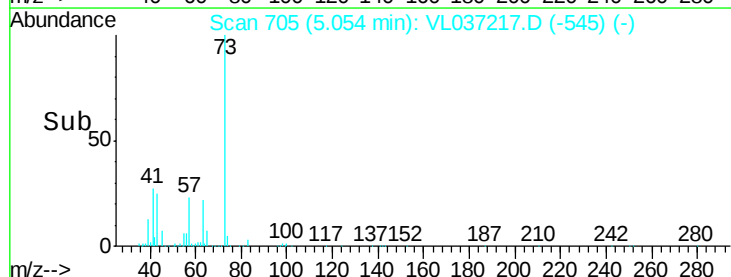
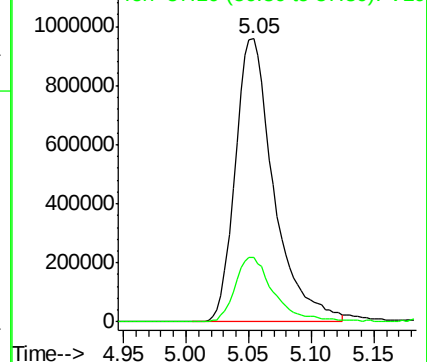
Ion Ratio Lower Upper

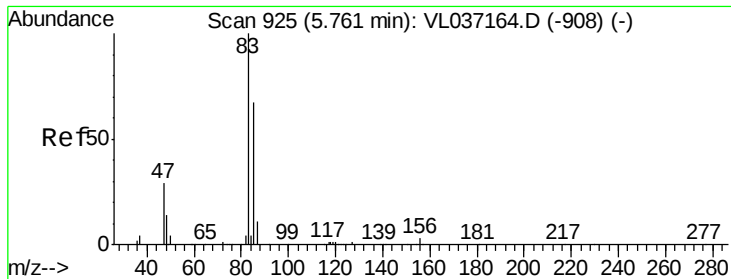
73 100

57 23.3 18.0 27.0



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





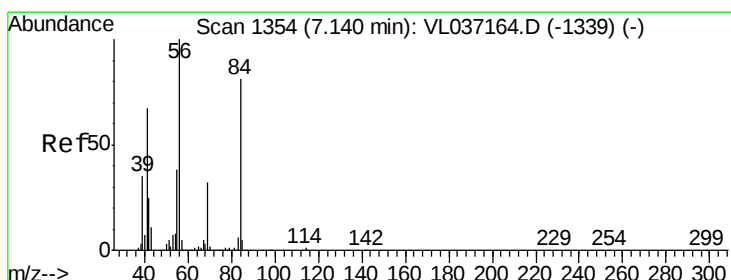
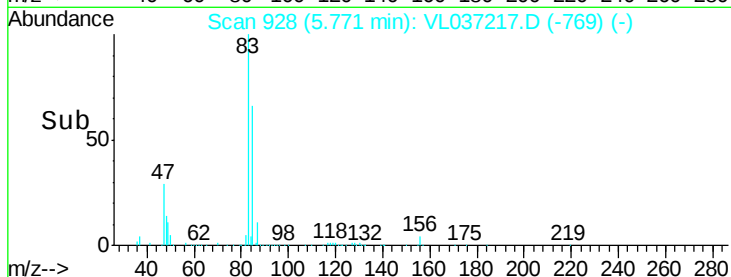
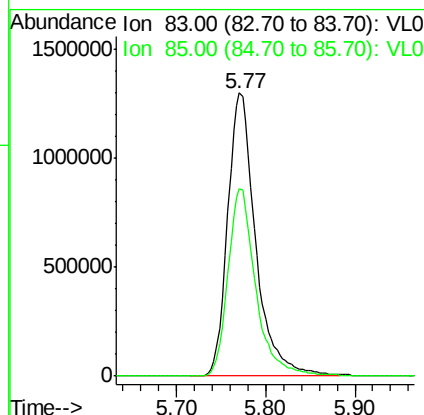
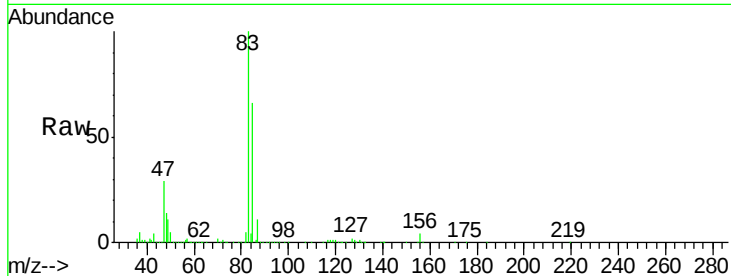
#29
Chloroform
Concen: 9.044 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2824955
Ion Ratio Lower Upper
83 100
85 66.2 53.6 80.4

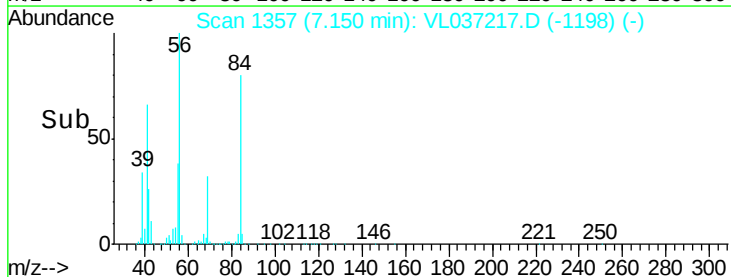
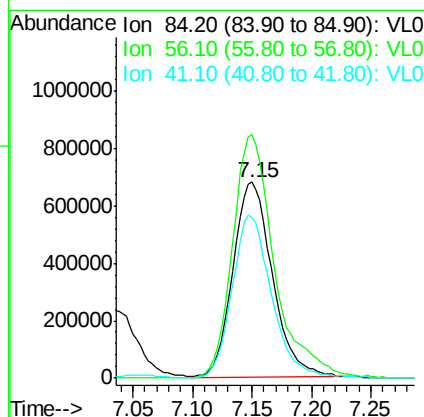
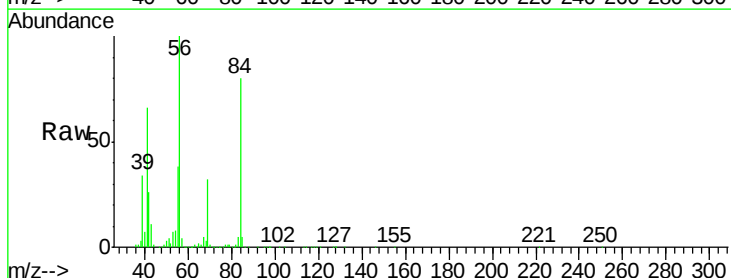
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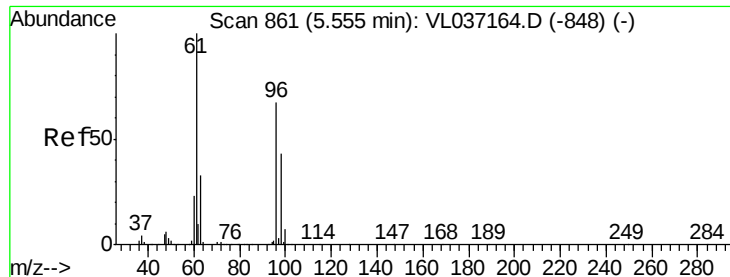
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#30
Cyclohexane
Concen: 9.224 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Tgt Ion: 84 Resp: 1553971
Ion Ratio Lower Upper
84 100
56 134.4 107.7 161.5
41 83.5 69.0 103.6





#31

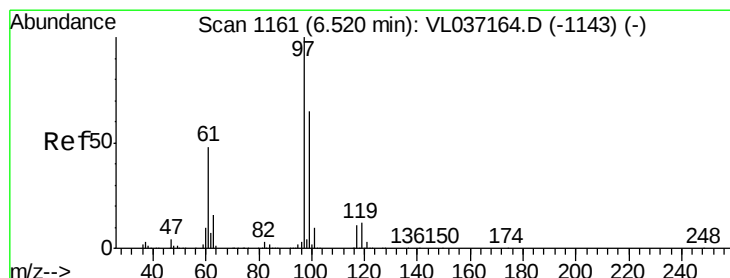
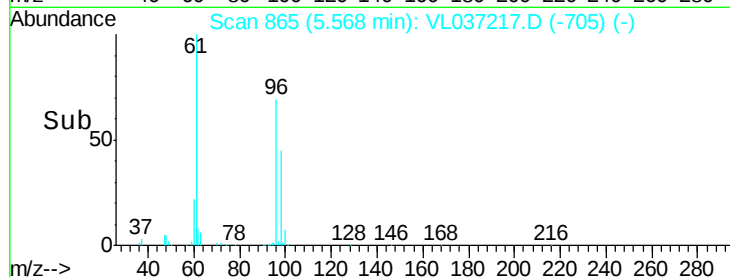
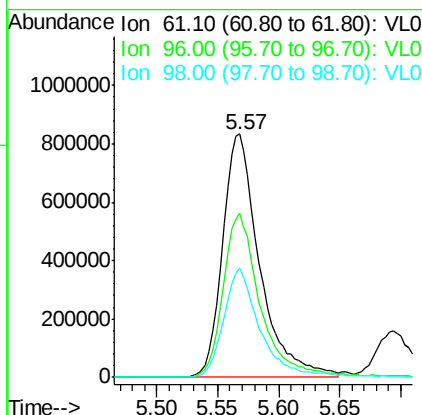
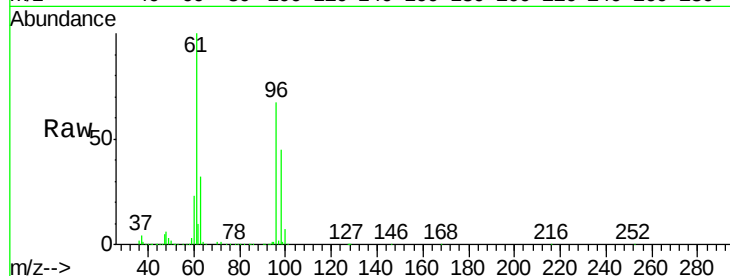
cis-1,2-Dichloroethene
Concen: 9.456 ppbv
RT: 5.57 min Scan# 865
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.3	53.6	80.4
98	45.0	34.7	52.1

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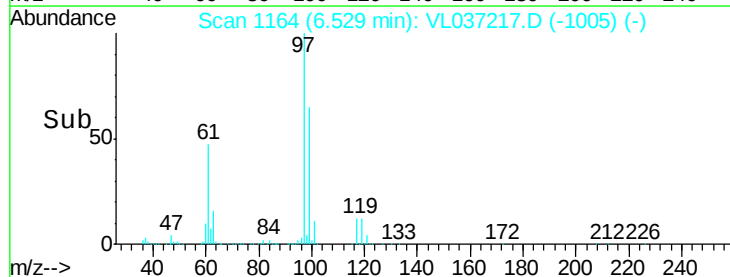
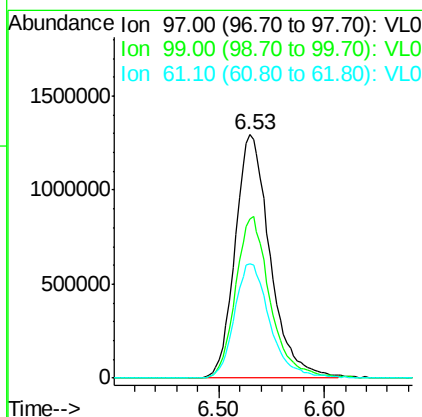
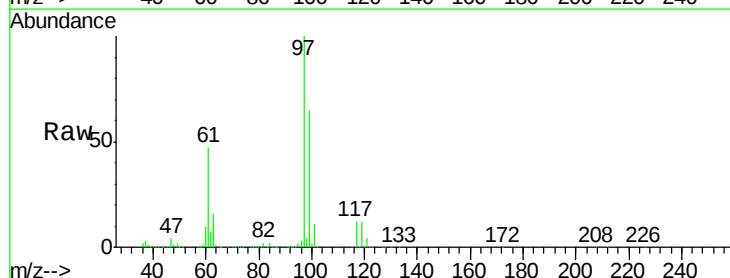
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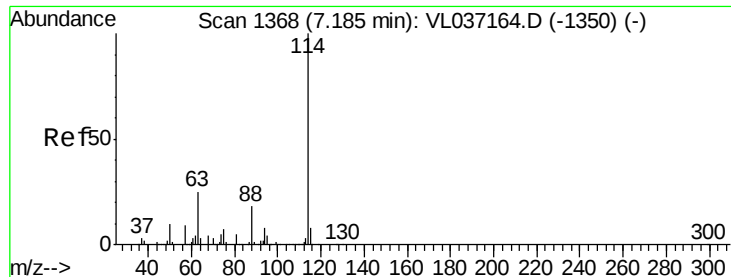


#32

1,1,1-Trichloroethane
Concen: 8.918 ppbv
RT: 6.53 min Scan# 1164
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	52.2	78.4
61	47.6	38.8	58.2





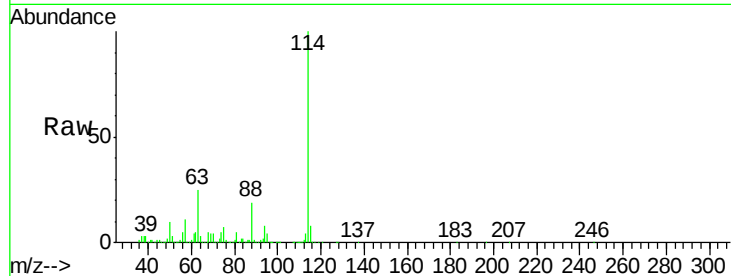
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. 0.01 min
 Lab File: VL037217.D
 Acq: 22 Jun 2021 14:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

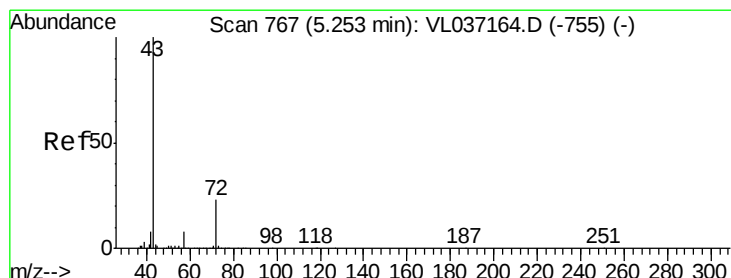
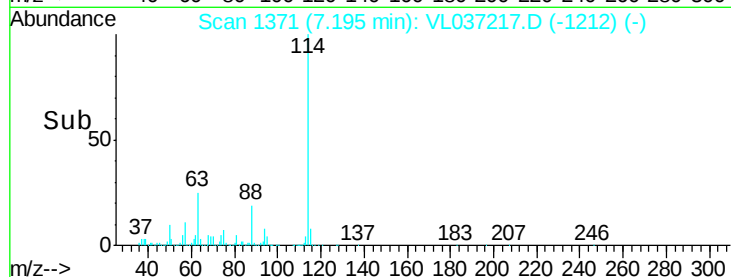
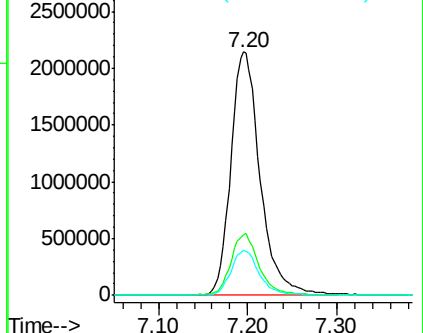
Tot Ion:114 Resp: 4875760
 Ion Ratio Lower Upper
 114 100
 63 24.6 19.6 29.4
 88 17.9 14.2 21.2

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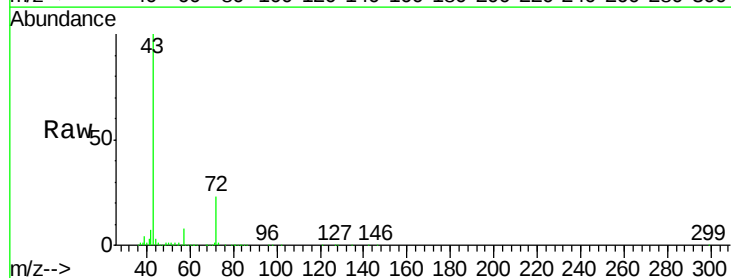


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

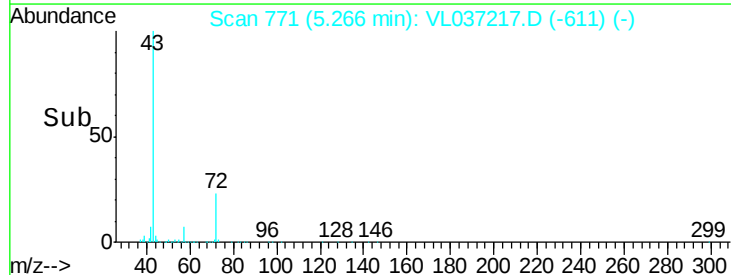
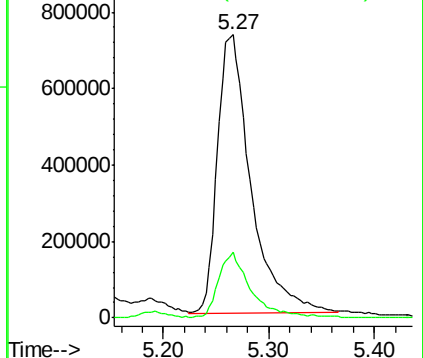


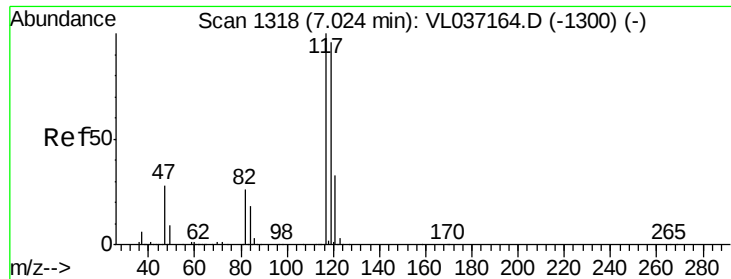
#34
 2-Butanone
 Concen: 8.526 ppbv
 RT: 5.27 min Scan# 771
 Delta R.T. 0.01 min
 Lab File: VL037217.D
 Acq: 22 Jun 2021 14:25

Tgt Ion: 43 Resp: 1616697
 Ion Ratio Lower Upper
 43 100
 72 23.0 18.9 28.3



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.622 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 3146517

Ion Ratio Lower Upper

117 100

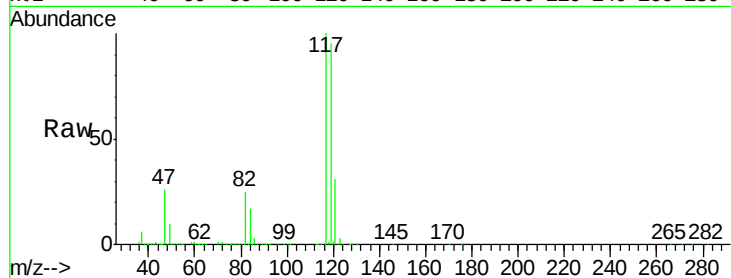
119 95.1 76.6 114.8

121 30.8 26.4 39.6

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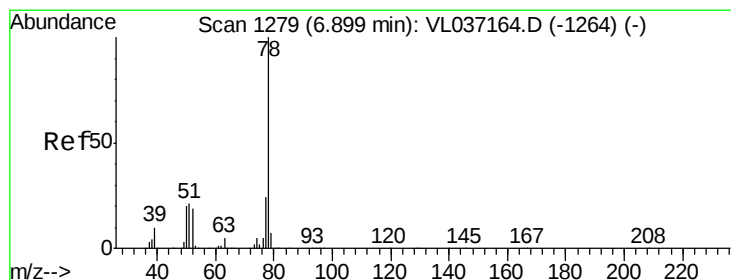
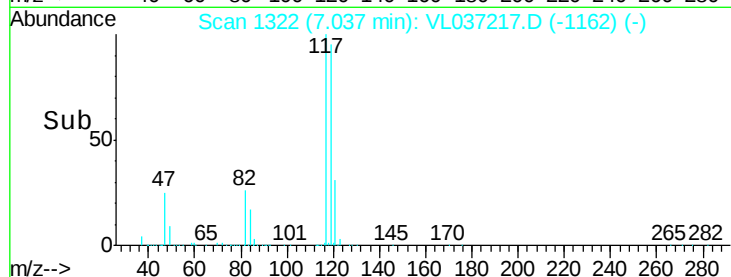
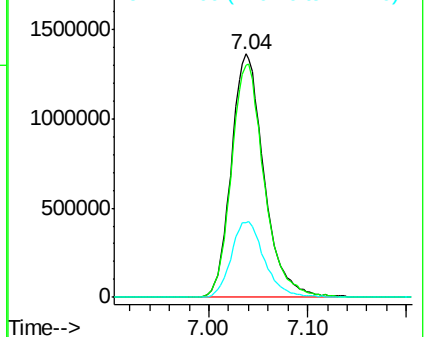
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.337 ppbv

RT: 6.91 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

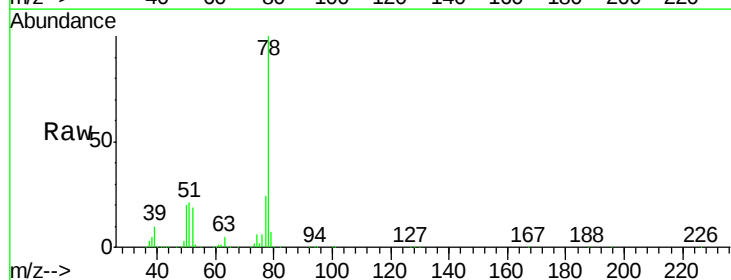
Tgt Ion: 78 Resp: 3681466

Ion Ratio Lower Upper

78 100

77 24.2 19.0 28.6

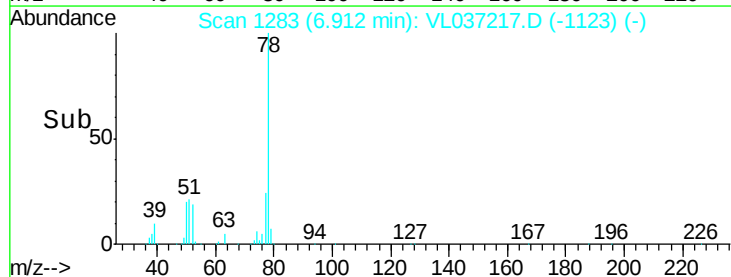
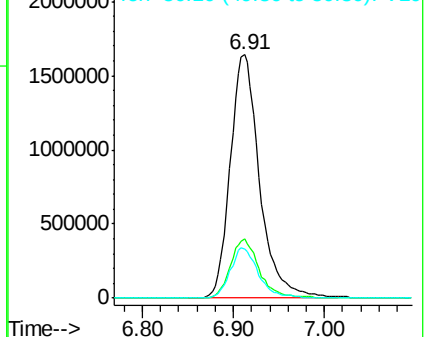
50 20.2 15.7 23.5

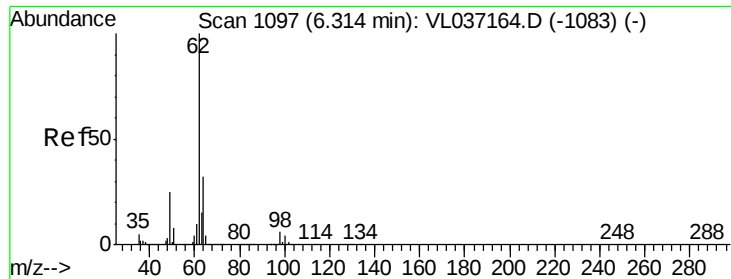


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.287 ppbv

RT: 6.33 min Scan# 1101

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 2127058

Ion Ratio Lower Upper

62 100

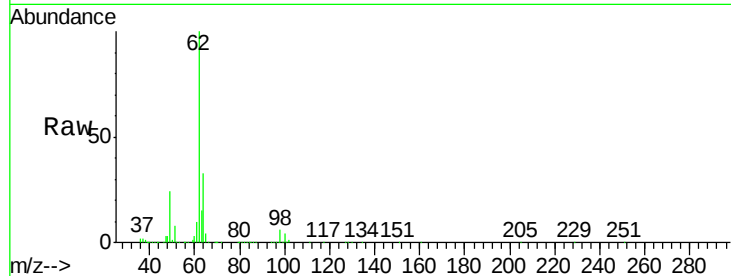
98 6.6 5.0 7.6

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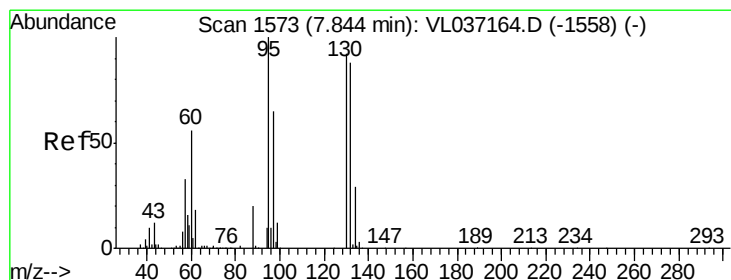
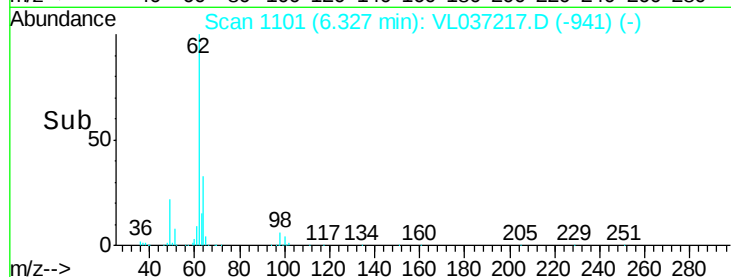
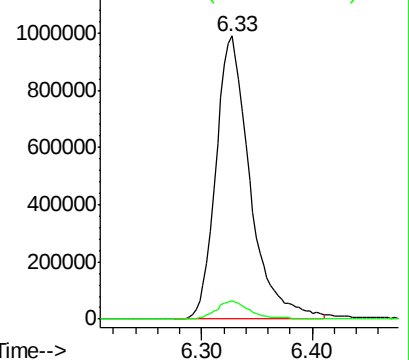
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 8.365 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

Tgt Ion:130 Resp: 1567790

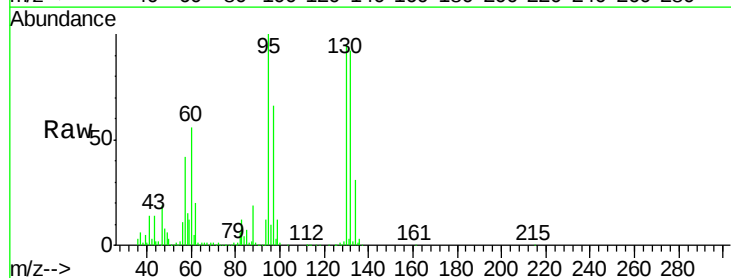
Ion Ratio Lower Upper

130 100

95 105.0 86.6 129.8

132 96.4 76.6 114.8

97 69.4 56.1 84.1

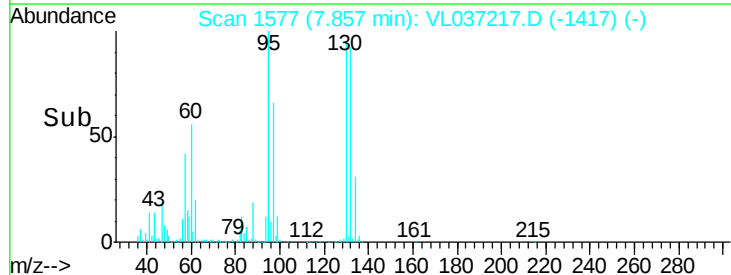
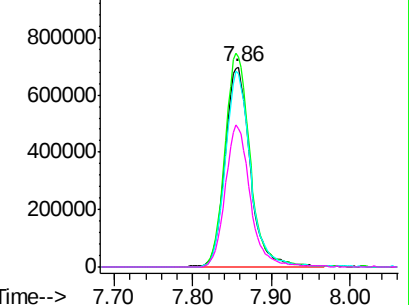


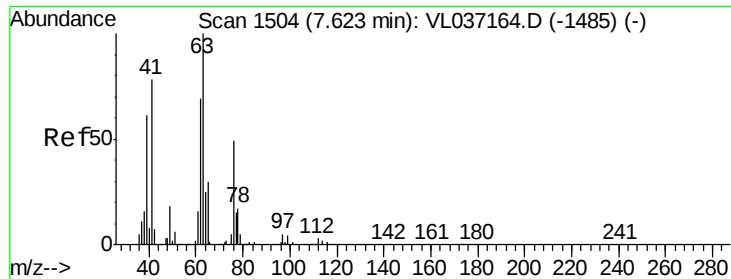
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 9.723 ppbv

RT: 7.64 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 1424448

Ion Ratio Lower Upper

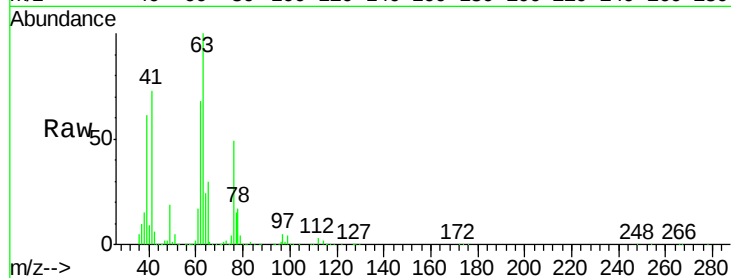
63 100

41 72.9 62.0 93.0

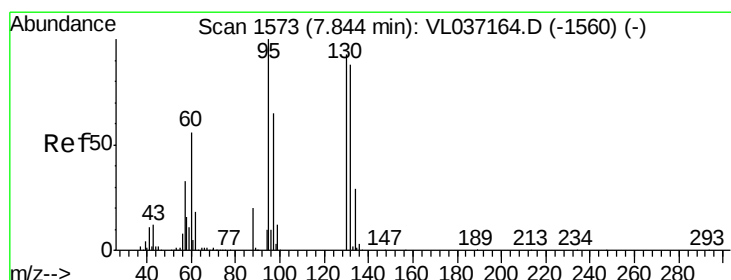
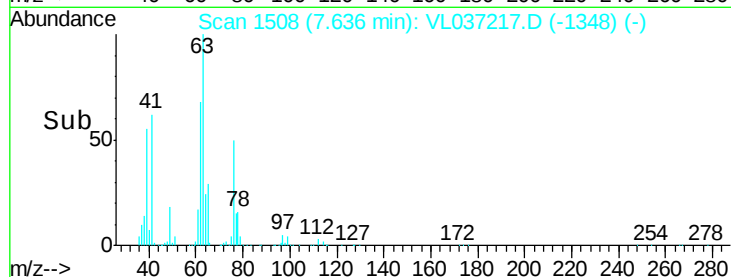
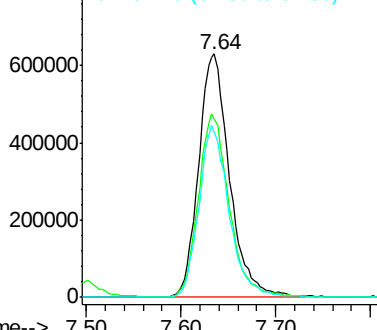
62 68.0 54.9 82.3

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Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.336 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

Tgt Ion: 88 Resp: 334924

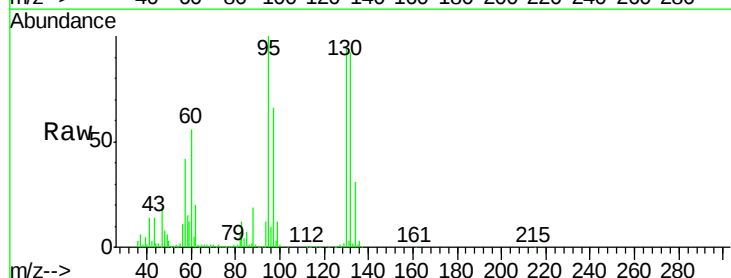
Ion Ratio Lower Upper

88 100

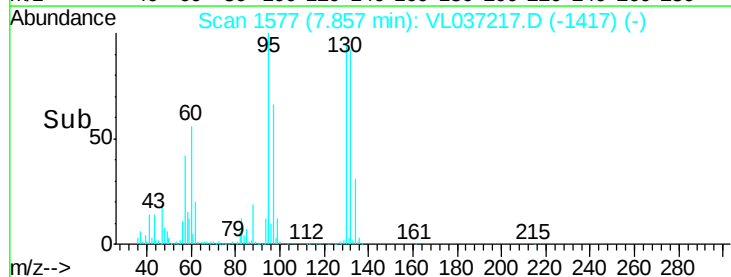
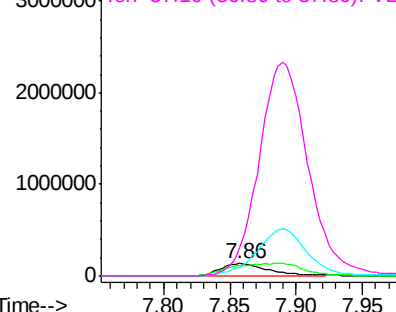
58 158.1 118.4 177.6

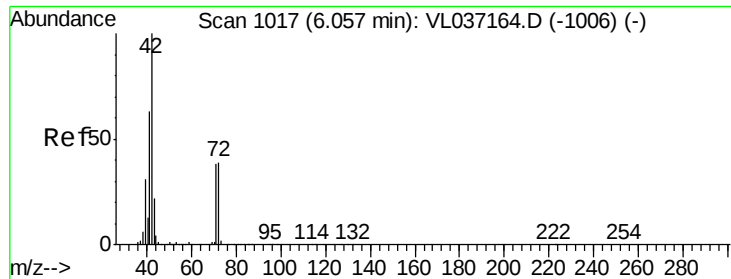
43 409.7 284.0 426.0

57 1815.1 1231.8 1847.6



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





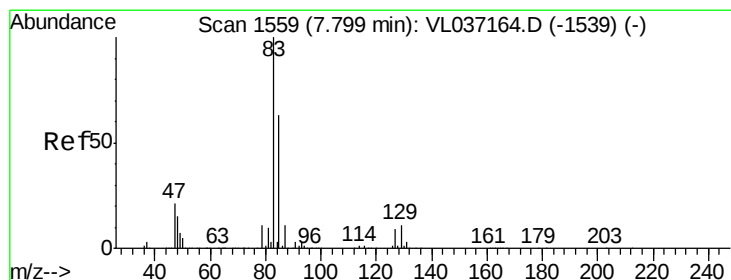
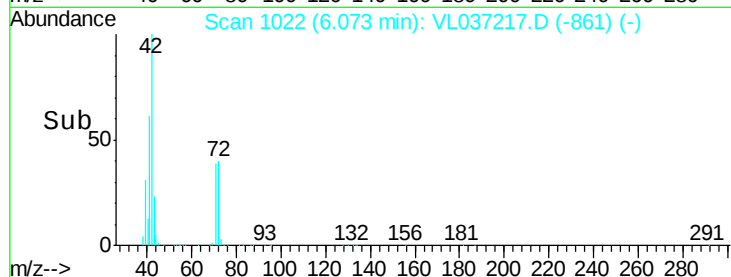
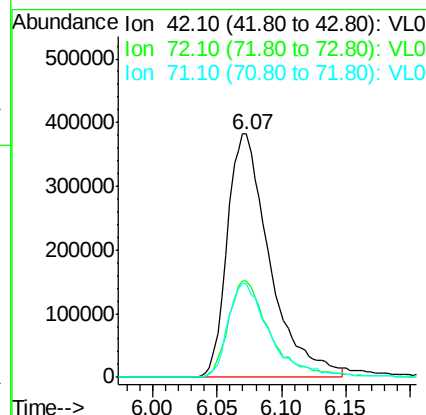
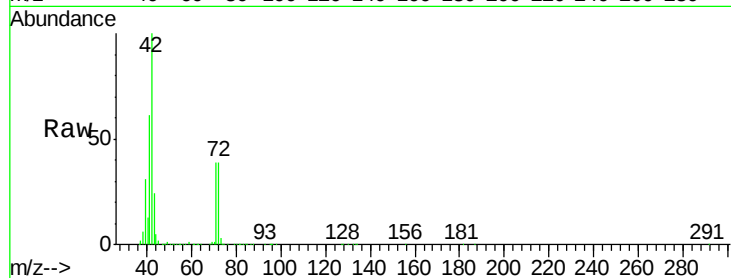
#41
Tetrahydrofuran
Concen: 9.896 ppbv
RT: 6.07 min Scan# 1022
Delta R.T. 0.02 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	33.0	49.4
71	39.4	31.0	46.6

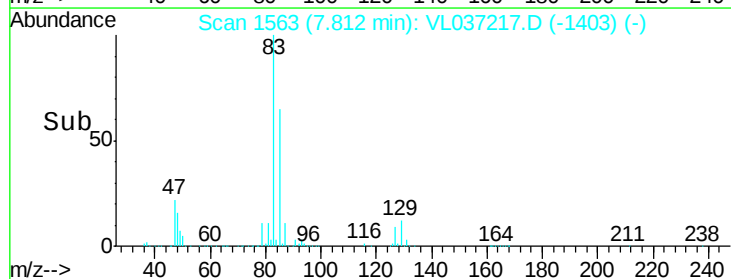
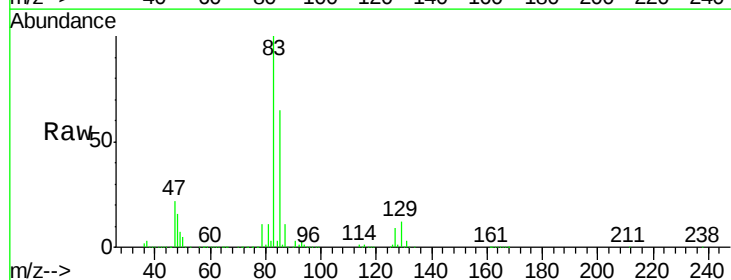
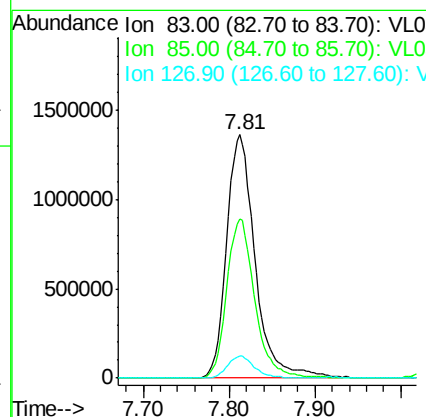
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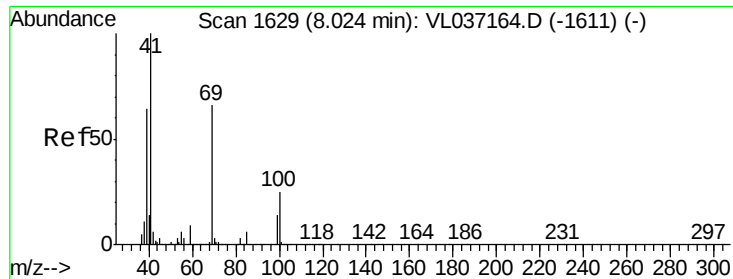
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#42
Bromodichloromethane
Concen: 9.964 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.8	76.2
127	8.9	7.0	10.6





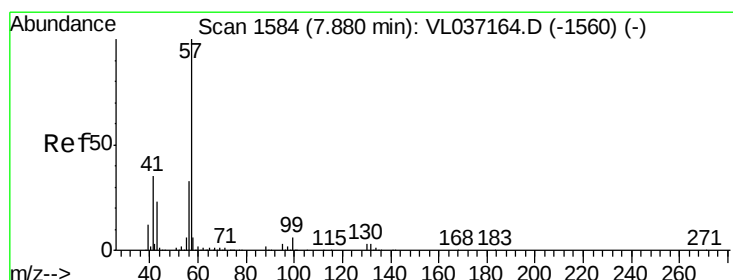
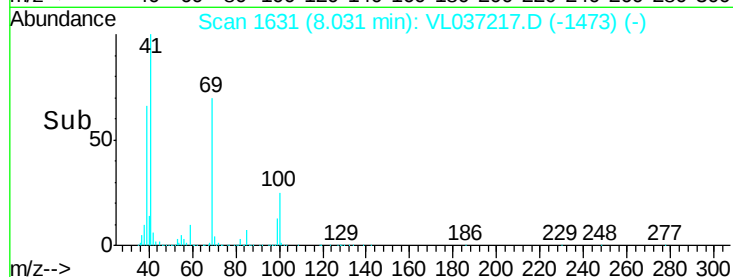
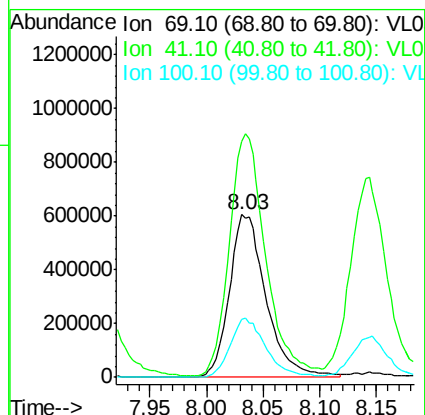
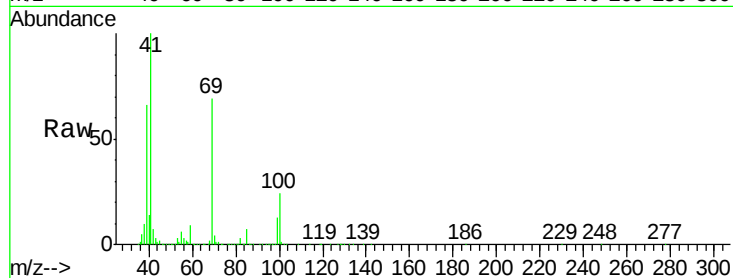
#43
Methvl Methacrilate
Concen: 10.029 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1365520
Ion Ratio Lower Upper
69 100
41 147.9 119.4 179.0
100 35.4 28.6 43.0

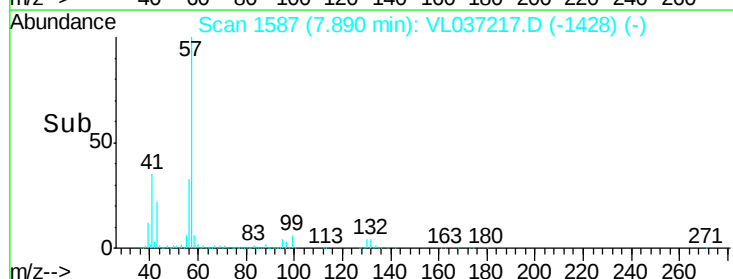
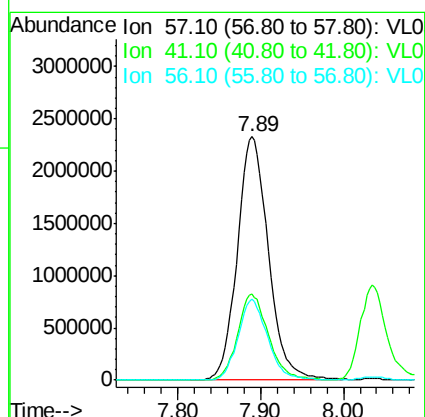
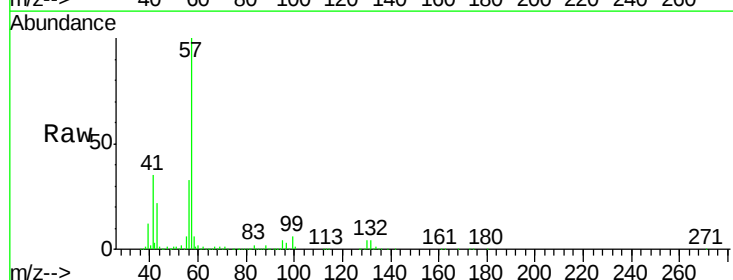
Manual Integrations
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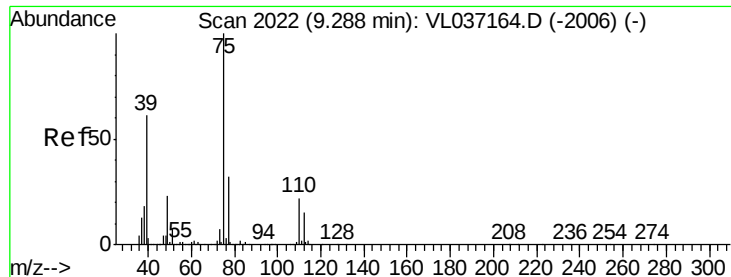
MMDadoda
6/24/2021 4:32:41 PM



#44
2,2,4-Trimethylpentane
Concen: 9.144 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Tgt Ion: 57 Resp: 6070630
Ion Ratio Lower Upper
57 100
41 34.9 27.6 41.4
56 31.7 25.3 37.9





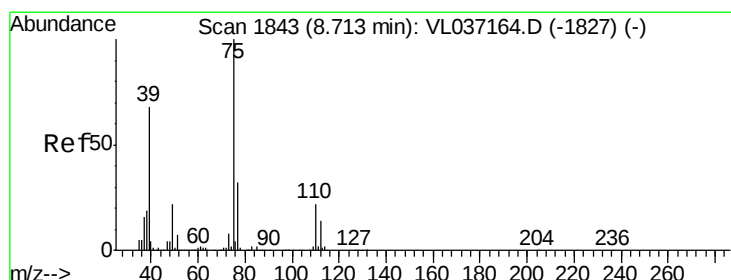
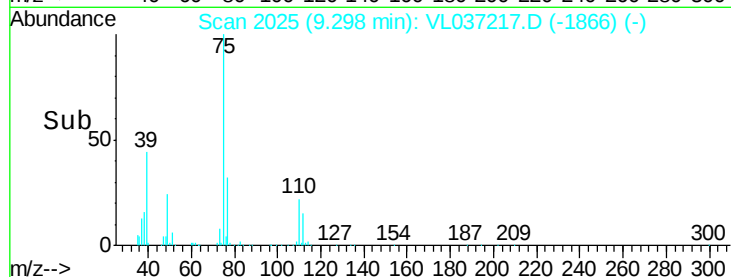
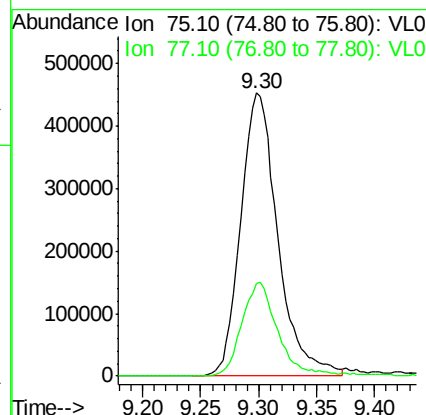
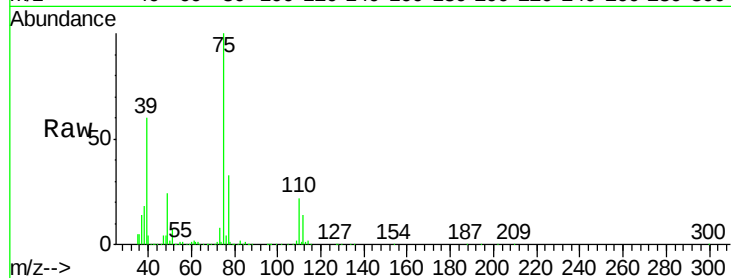
#45
t-1,3-Dichloropropene
Concen: 8.328 ppbv
RT: 9.30 min Scan# 2025
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1000435
Ion Ratio Lower Upper
75 100
77 32.7 25.6 38.4

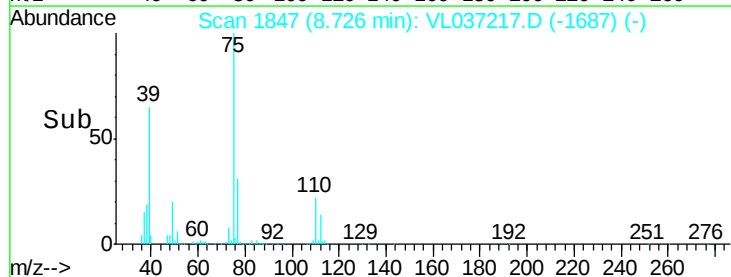
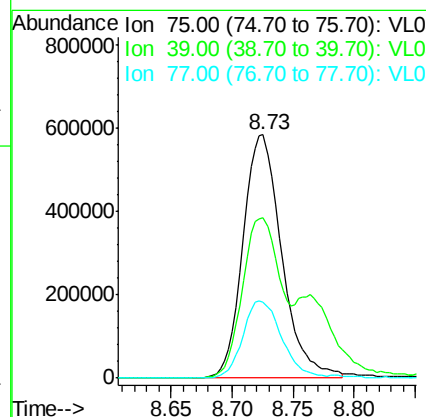
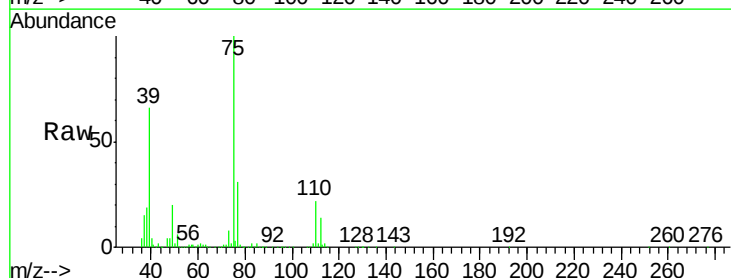
Manual Integrations
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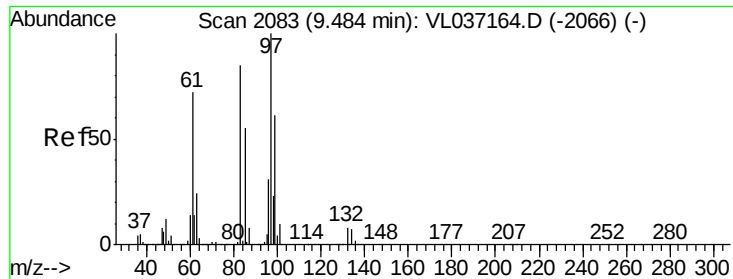
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 7.809 ppbv
RT: 8.73 min Scan# 1847
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Tgt Ion: 75 Resp: 1283294
Ion Ratio Lower Upper
75 100
39 65.9 54.7 82.1
77 31.3 25.8 38.8





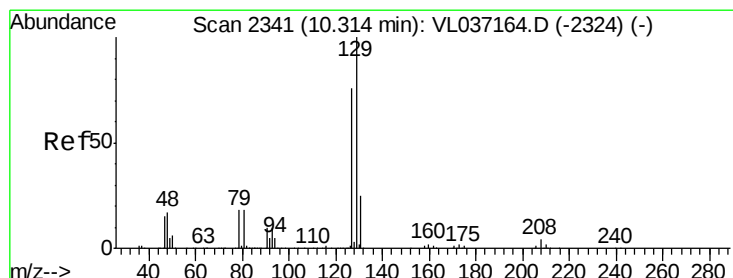
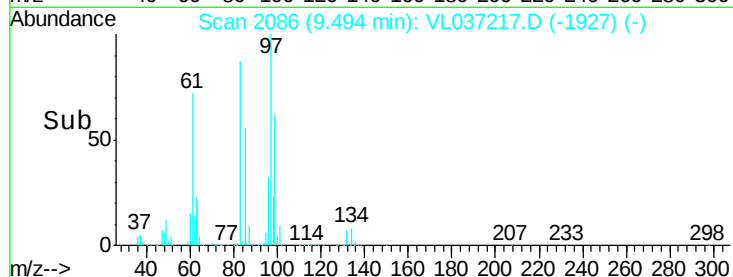
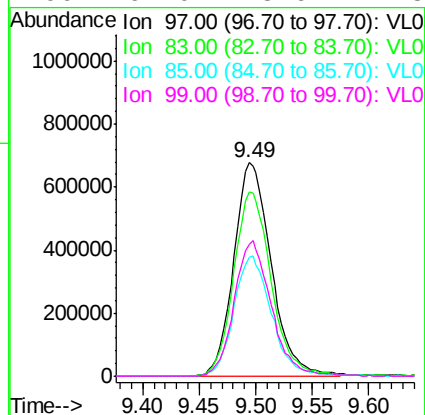
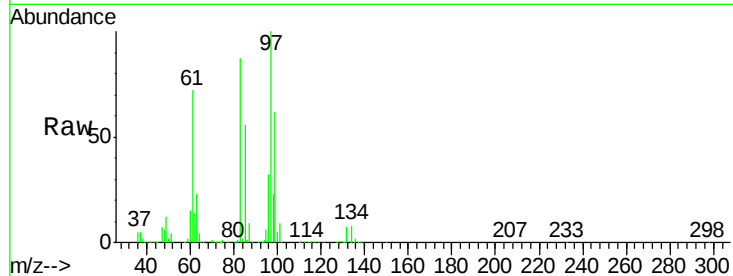
#47
 1,1,2-Trichloroethane
 Concen: 9.324 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. 0.01 min
 Lab File: VL037217.D
 Acq: 22 Jun 2021 14:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 97 Resp: 1558442
 Ion Ratio Lower Upper
 97 100
 83 86.5 68.3 102.5
 85 55.8 44.1 66.1
 99 62.0 48.6 72.8

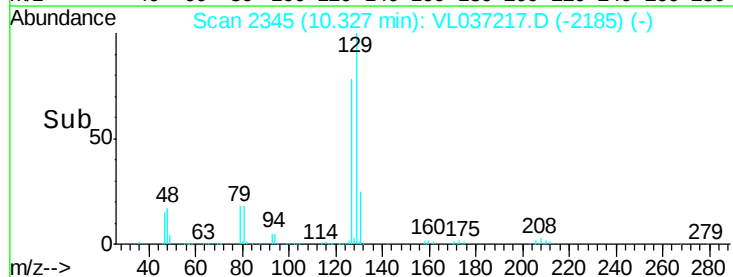
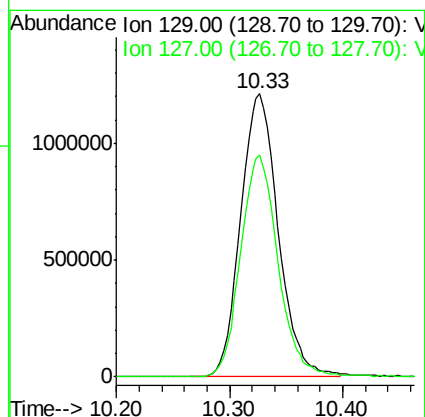
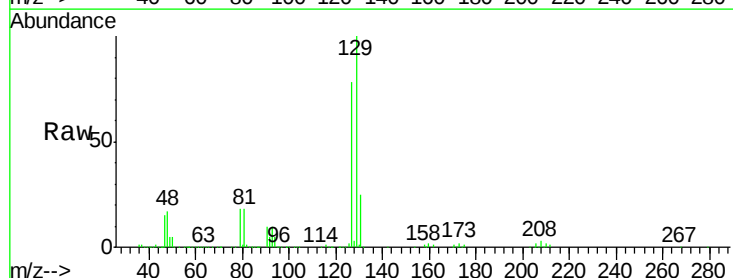
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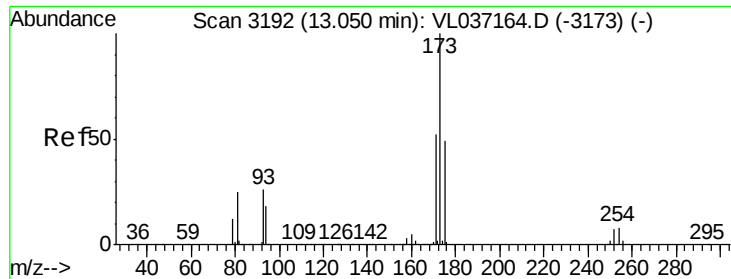
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#48
 Dibromochloromethane
 Concen: 10.624 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. 0.01 min
 Lab File: VL037217.D
 Acq: 22 Jun 2021 14:25

Tgt Ion: 129 Resp: 2803027
 Ion Ratio Lower Upper
 129 100
 127 79.0 39.1 117.2





#49

Bromoform

Concen: 11.896 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 2338426

Ion Ratio Lower Upper

173 100

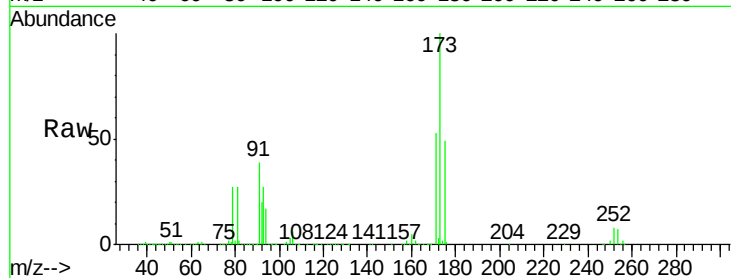
175 49.6 40.2 60.4

171 52.8 41.8 62.8

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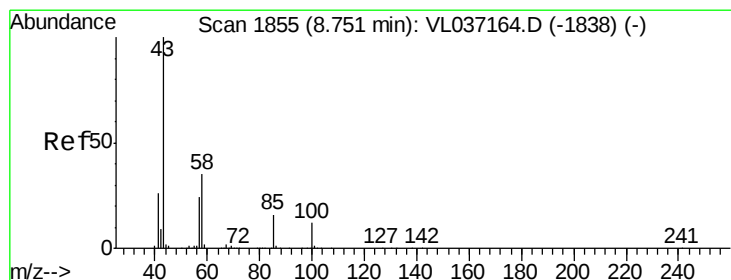
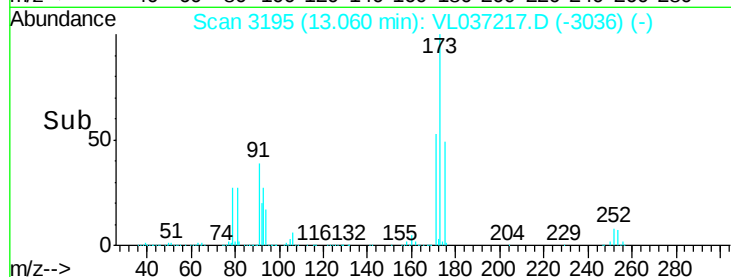
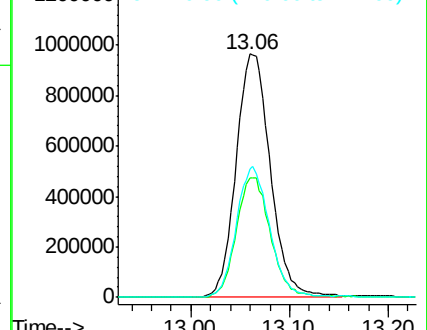
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.032 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. 0.01 min

Lab File: VL037217.D

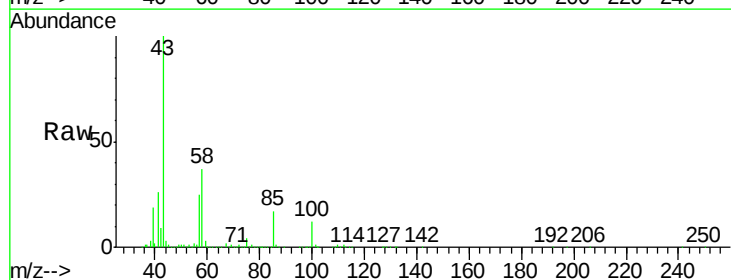
Acq: 22 Jun 2021 14:25

Tgt Ion: 43 Resp: 2612806

Ion Ratio Lower Upper

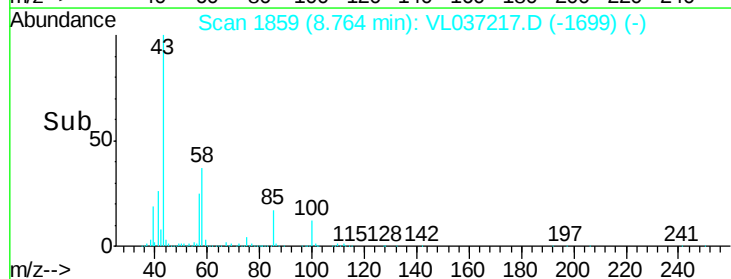
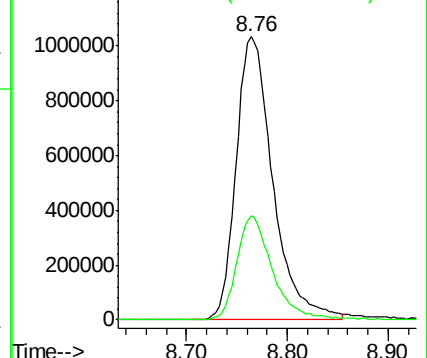
43 100

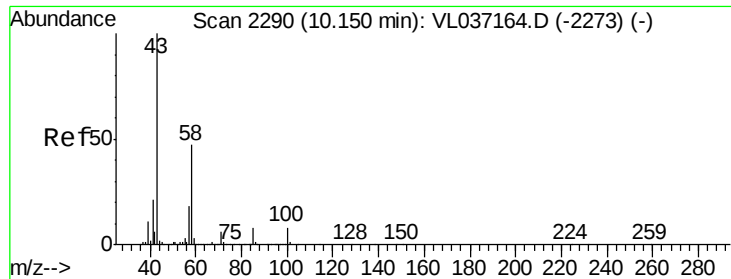
58 35.8 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





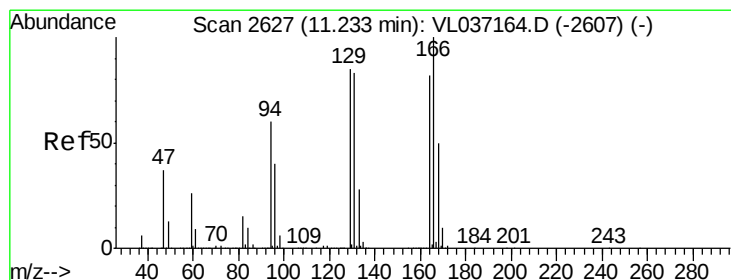
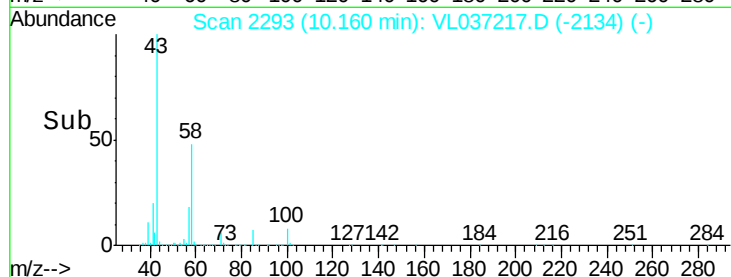
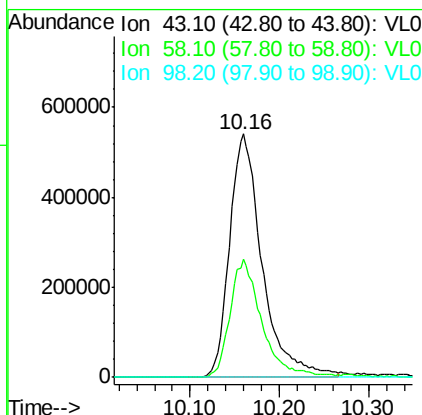
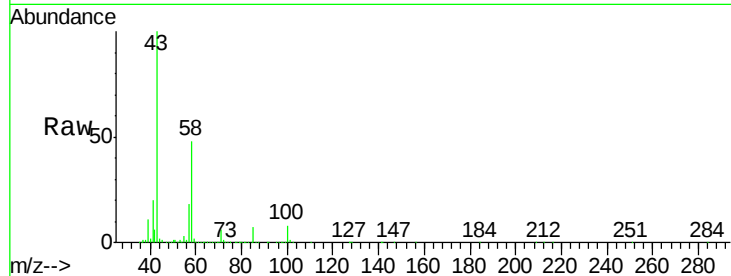
#51
2-Hexanone
Concen: 10.797 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.5	38.4	57.6
98	0.1	0.3	0.5

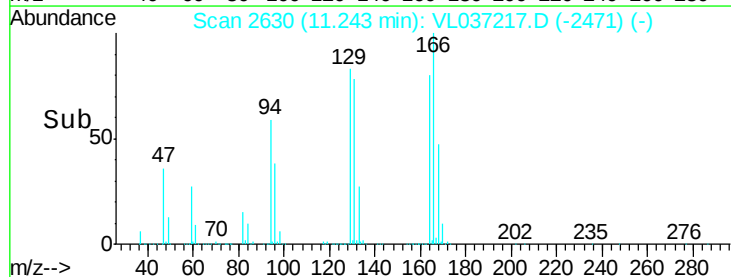
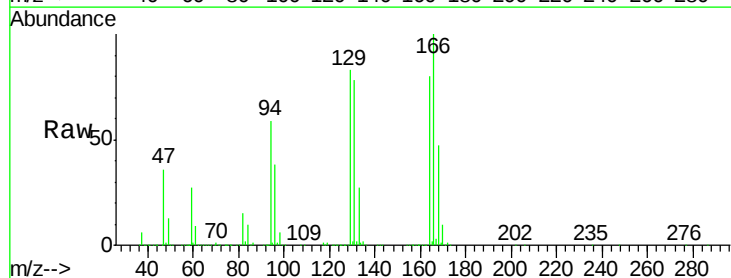
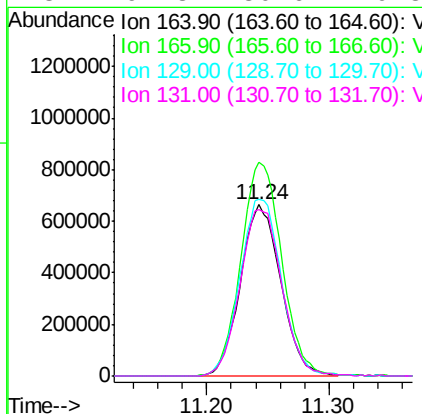
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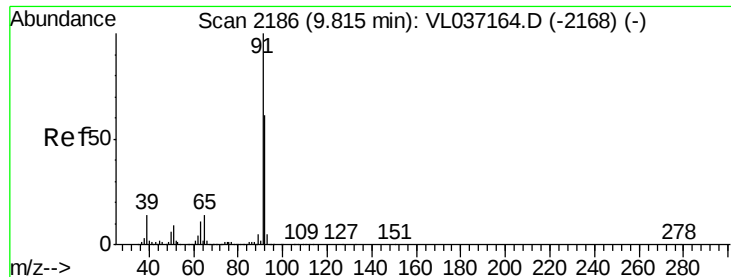
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#52
Tetrachloroethene
Concen: 8.277 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	97.6	146.4
129	103.2	82.9	124.3
131	97.3	80.6	120.8





#53

Toluene

Concen: 9.394 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4424199

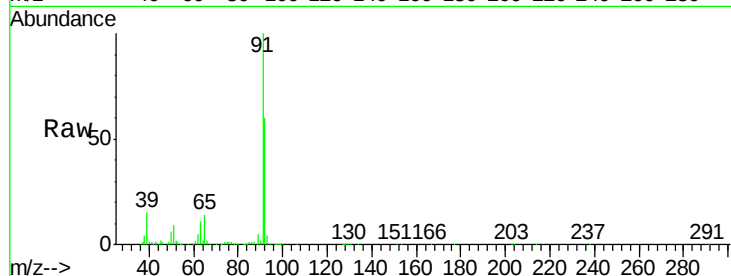
Ion Ratio Lower Upper

91 100

92 60.4 48.3 72.5

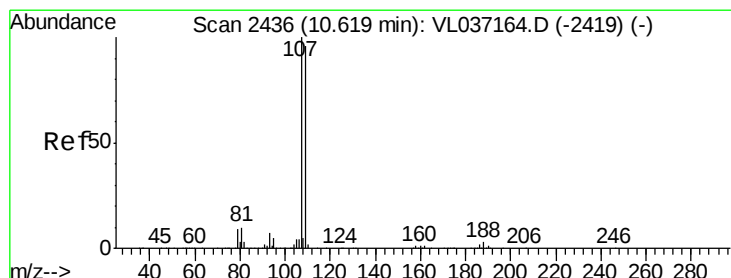
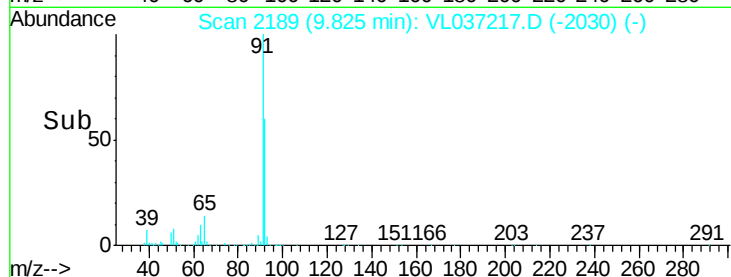
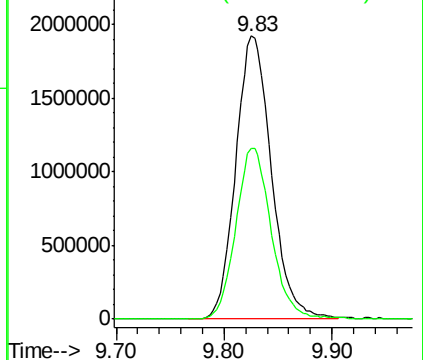
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.511 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.01 min

Lab File: VL037217.D

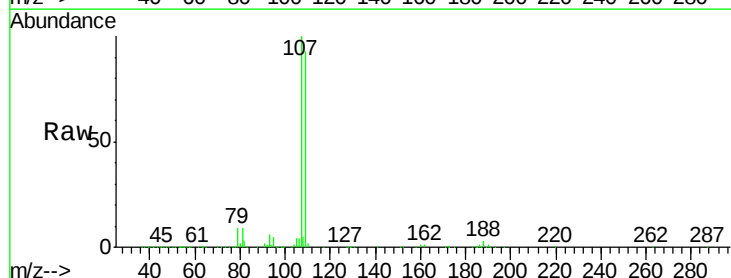
Acq: 22 Jun 2021 14:25

Tgt Ion: 107 Resp: 2284649

Ion Ratio Lower Upper

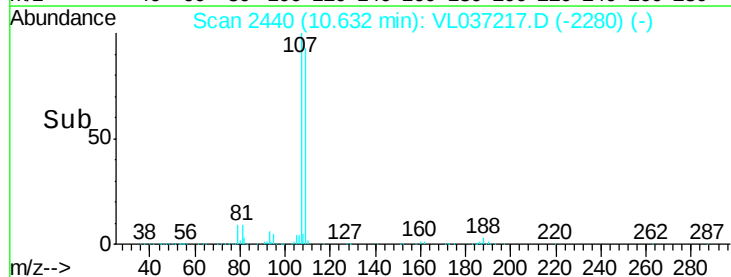
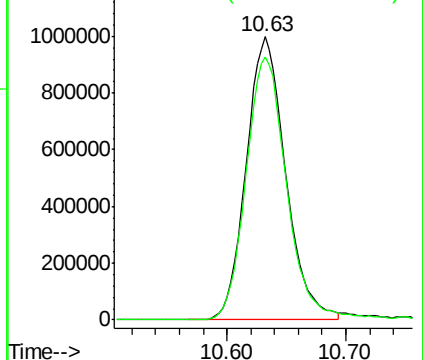
107 100

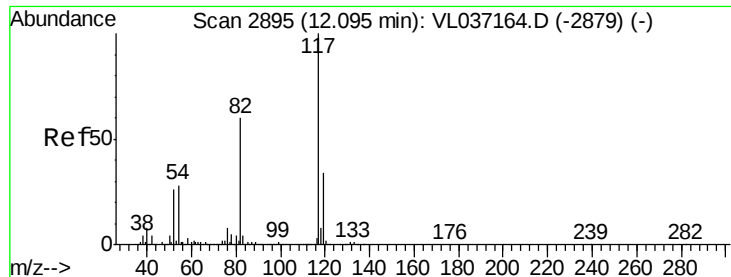
109 92.8 77.0 115.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





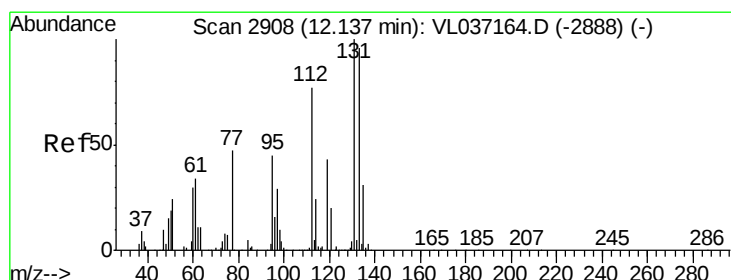
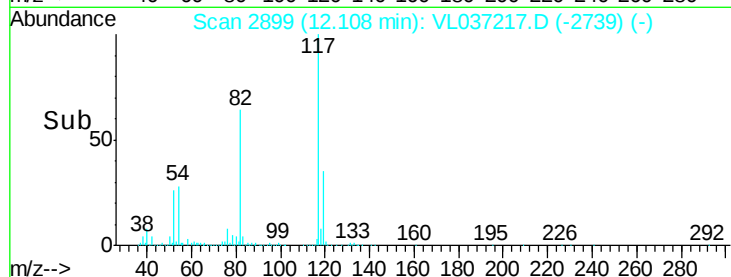
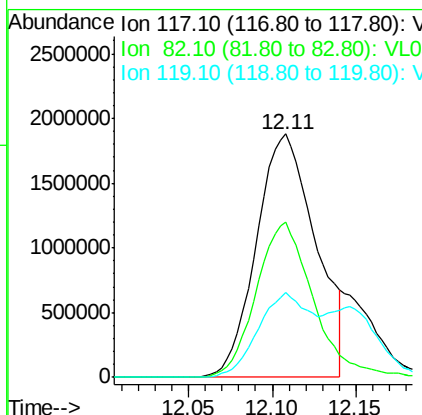
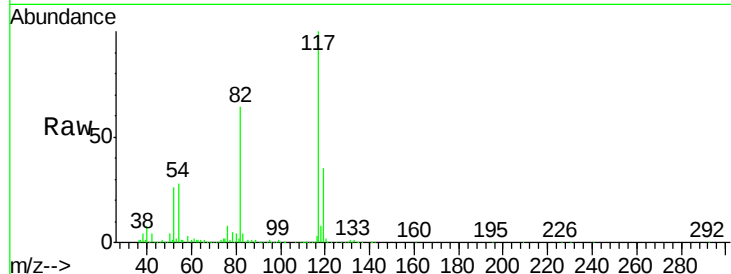
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2899
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 4638507
Ion Ratio Lower Upper
117 100
82 62.3 51.7 77.5
119 57.3 47.6 71.4

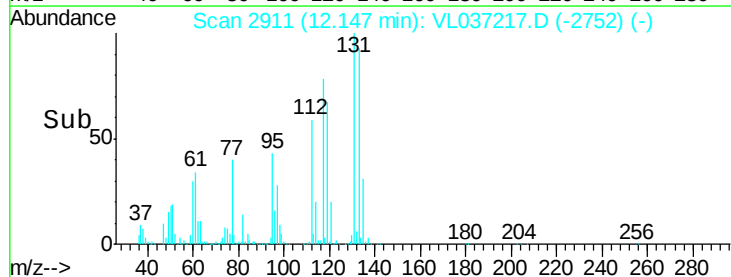
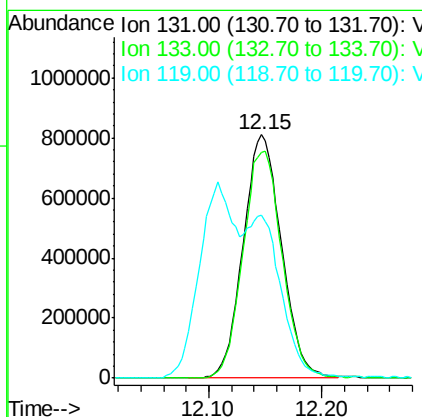
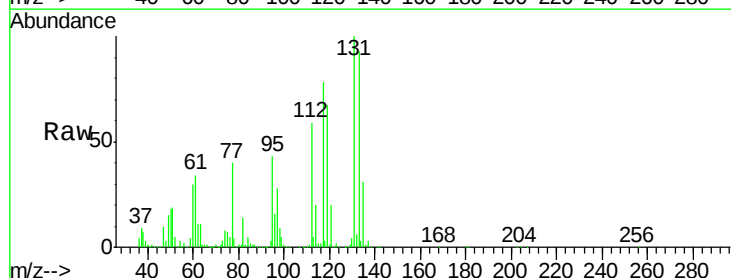
Manual Integrations
APPROVED

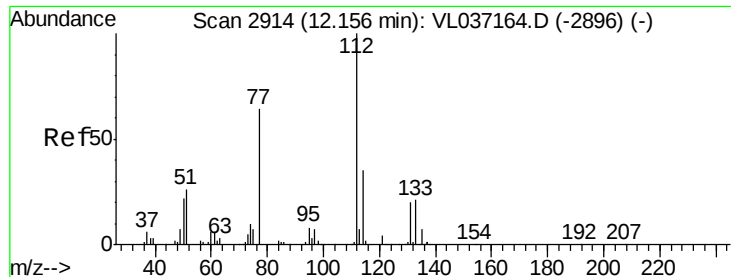
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.391 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Tgt Ion:131 Resp: 1904546
Ion Ratio Lower Upper
131 100
133 95.7 76.5 114.7
119 139.6 48.6 72.8#





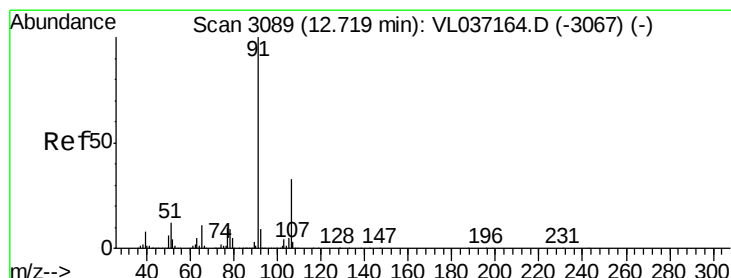
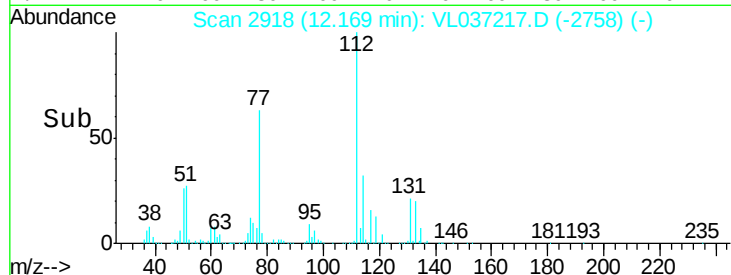
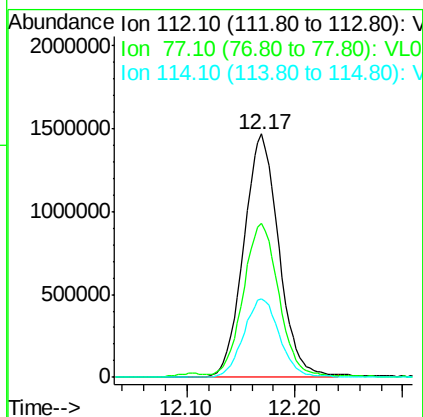
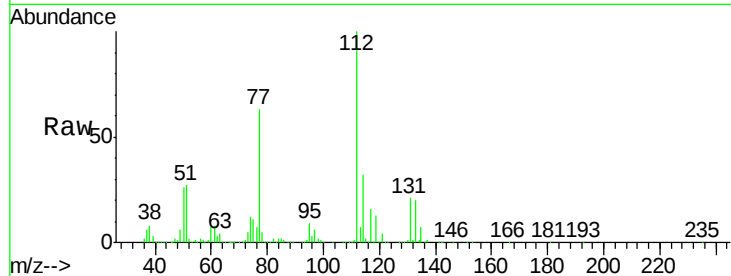
#57
Chlorobenzene
Concen: 8.815 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	62.6	52.2	78.4
114	32.1	31.1	38.1

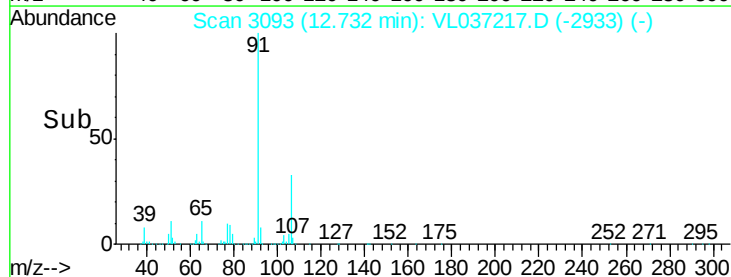
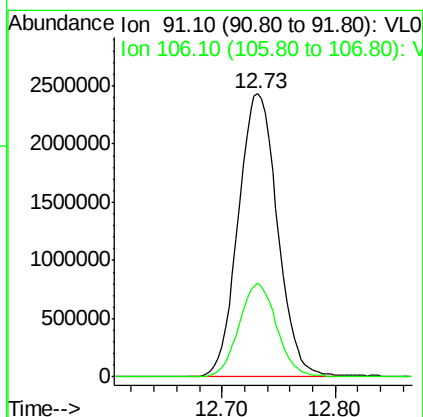
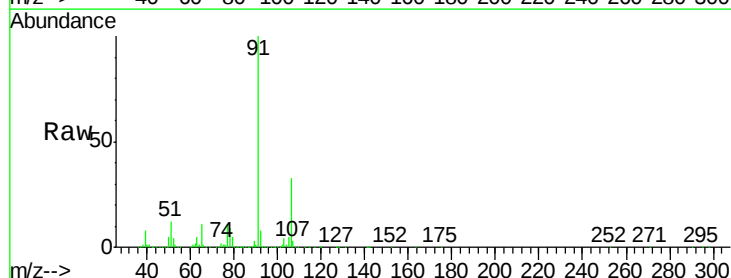
Manual Integrations
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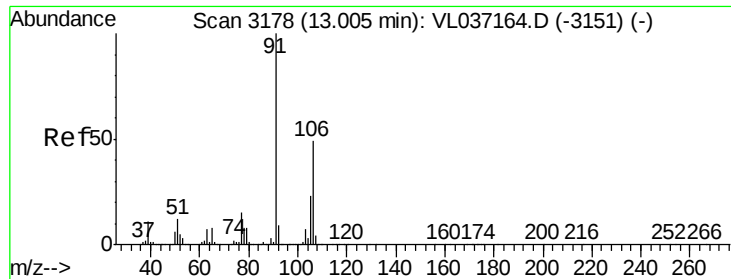
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#58
Ethyl Benzene
Concen: 9.182 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.4	26.3	39.5





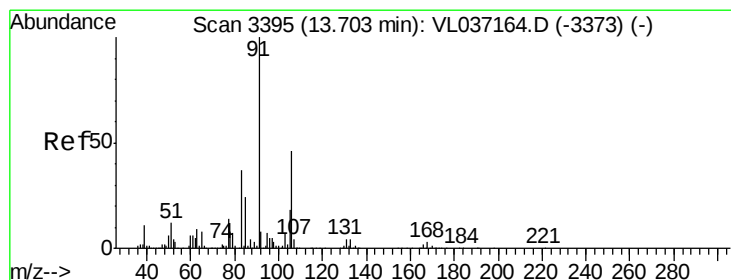
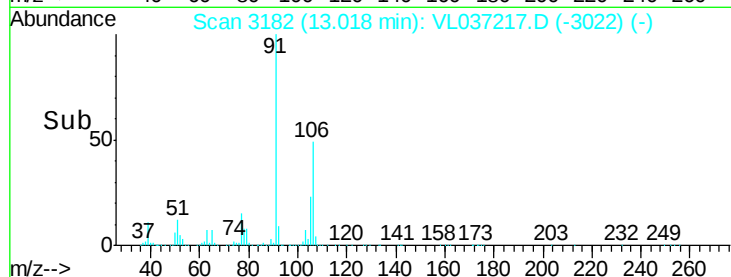
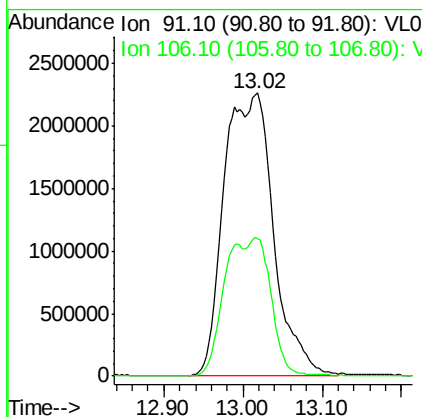
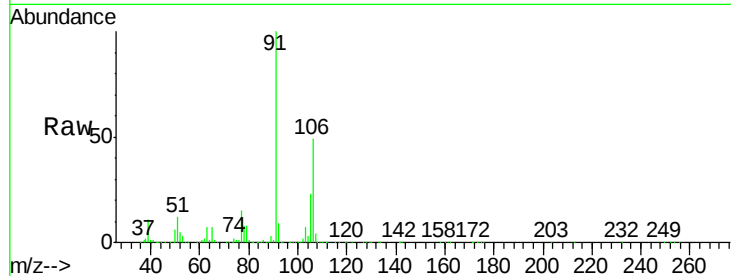
#59
m/p-Xylene
Concen: 18.084 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 9785662
Ion Ratio Lower Upper
91 100
106 45.8 37.0 55.4

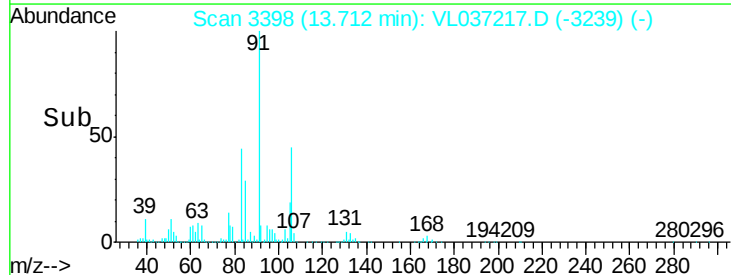
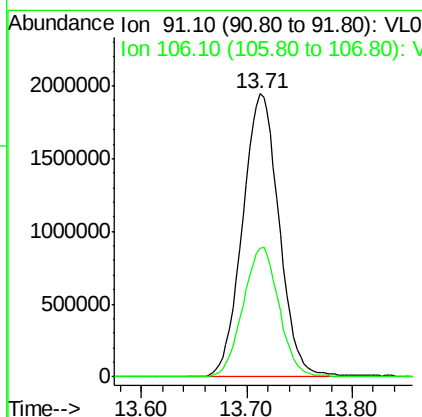
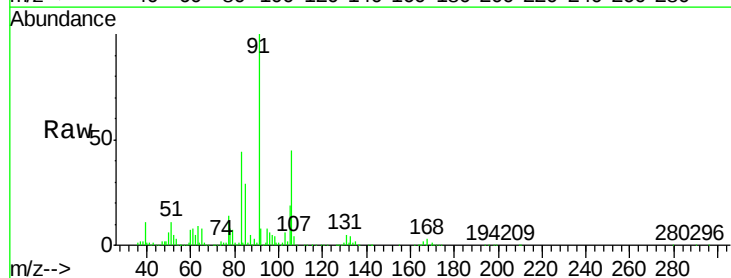
Manual Integrations
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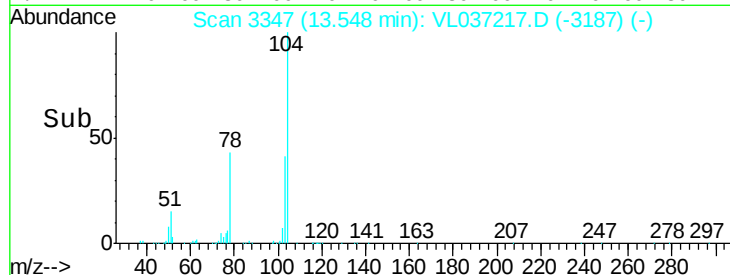
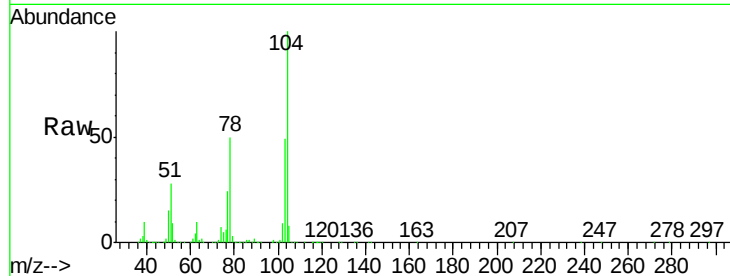
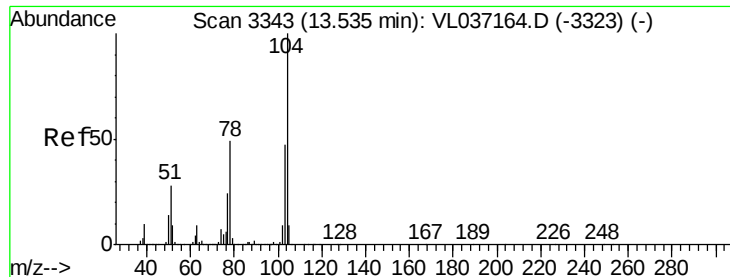
MMDadoda
6/24/2021 4:32:41 PM



#60
o-Xylene
Concen: 9.073 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Tgt Ion: 91 Resp: 4674797
Ion Ratio Lower Upper
91 100
106 45.5 23.0 69.0





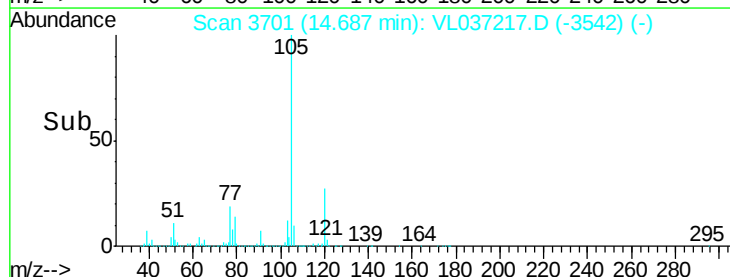
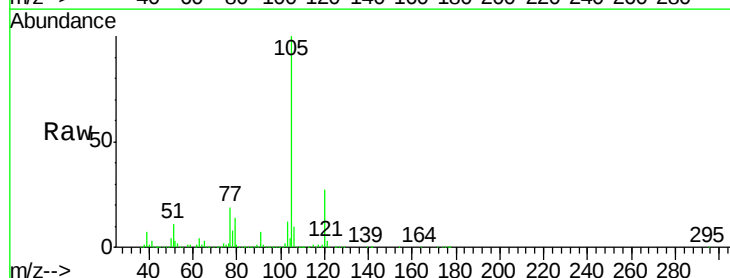
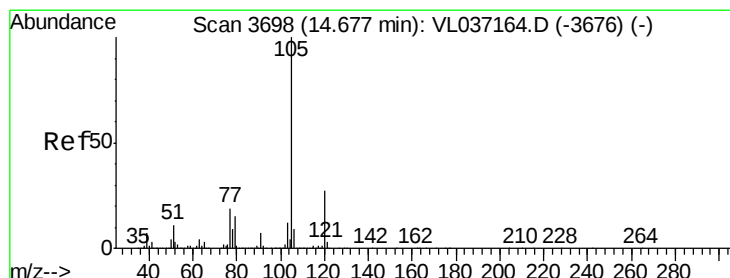
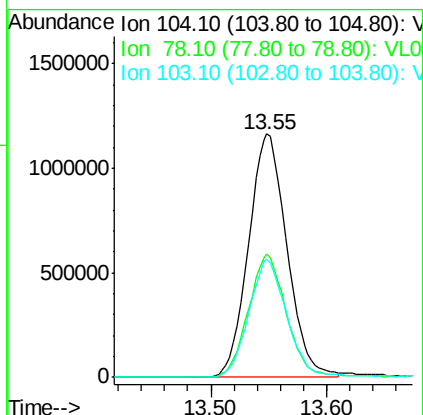
#61
Stvrene
Concen: 10.082 ppbv
RT: 13.55 min Scan# 3347
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Tot Ion:104 Resp: 2681201
Ion Ratio Lower Upper
104 100
78 50.2 39.7 59.5
103 48.1 37.6 56.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

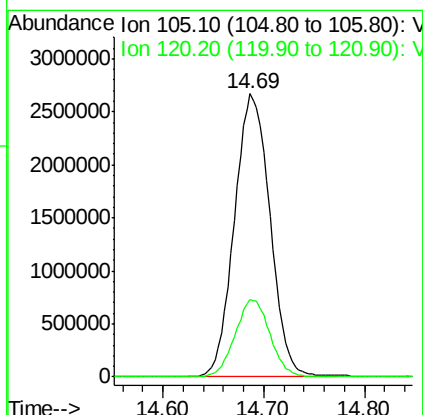
Manual Integrations
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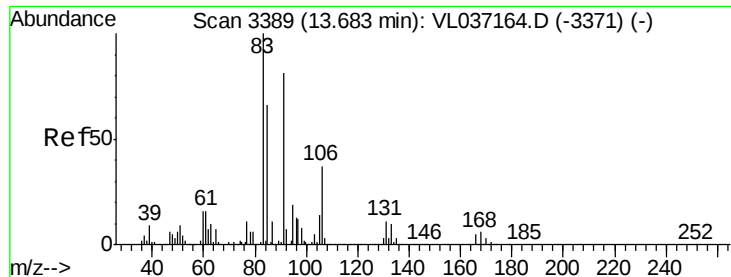
MMDadoda
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#62
Isopropylbenzene
Concen: 8.924 ppbv
RT: 14.69 min Scan# 3701
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Tgt Ion:105 Resp: 6538213
Ion Ratio Lower Upper
105 100
120 26.9 21.6 32.4





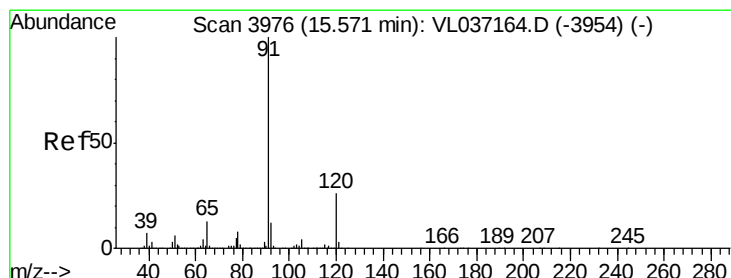
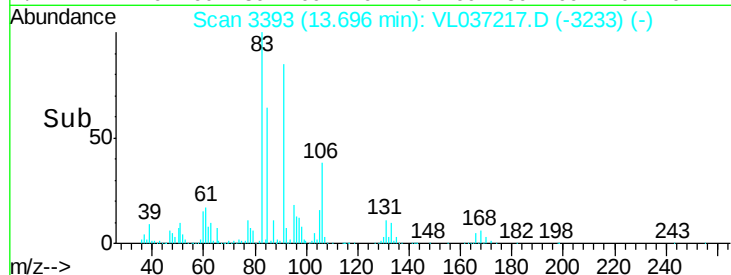
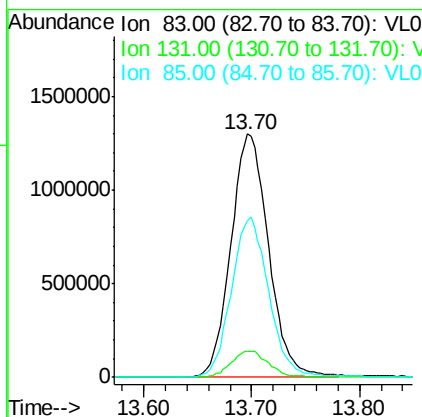
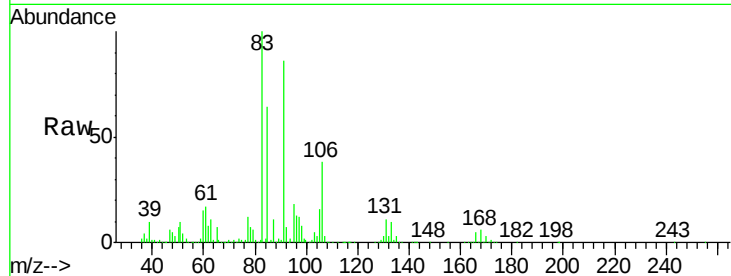
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.193 ppbv
 RT: 13.70 min Scan# 3393
 Delta R.T. 0.01 min
 Lab File: VL037217.D
 Acq: 22 Jun 2021 14:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 83 Resp: 3154066
 Ion Ratio Lower Upper
 83 100
 131 10.8 5.4 16.2
 85 65.8 33.1 99.2

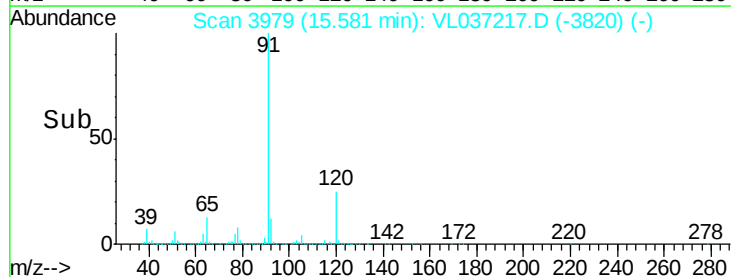
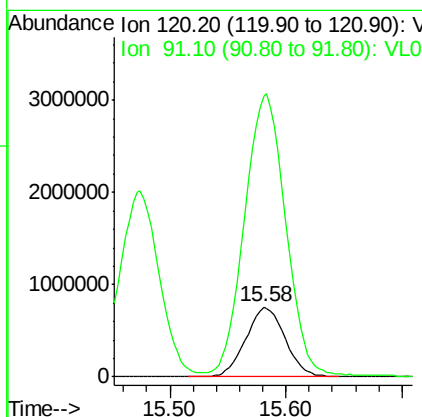
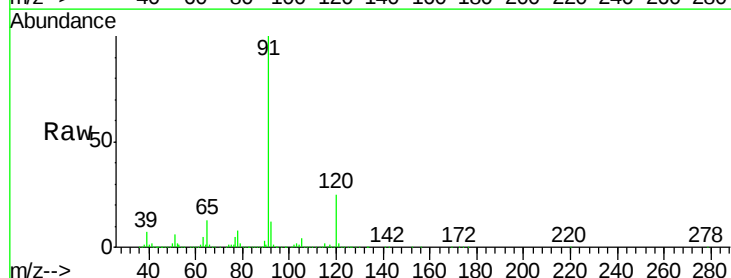
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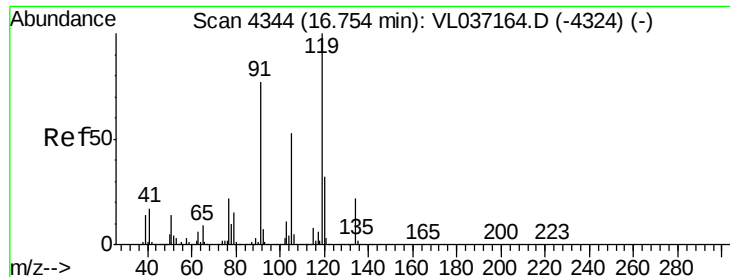
MMDadoda
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#64
 n-propylbenzene
 Concen: 9.692 ppbv
 RT: 15.58 min Scan# 3979
 Delta R.T. 0.01 min
 Lab File: VL037217.D
 Acq: 22 Jun 2021 14:25

Tgt Ion: 120 Resp: 1778363
 Ion Ratio Lower Upper
 120 100
 91 428.5 343.3 514.9





#65

tert-Butylbenzene

Concen: 9.062 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 5889007

Ion Ratio Lower Upper

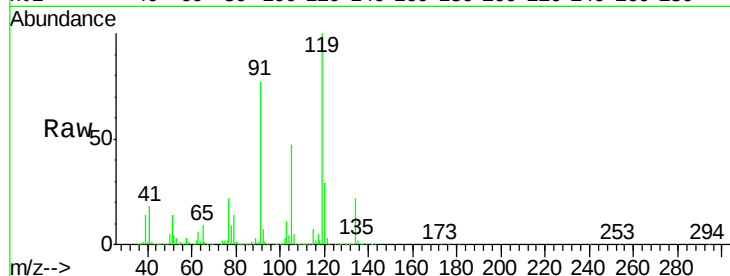
119 100

91 79.1 62.6 93.8

134 20.4 16.2 24.4

Manual Integrations
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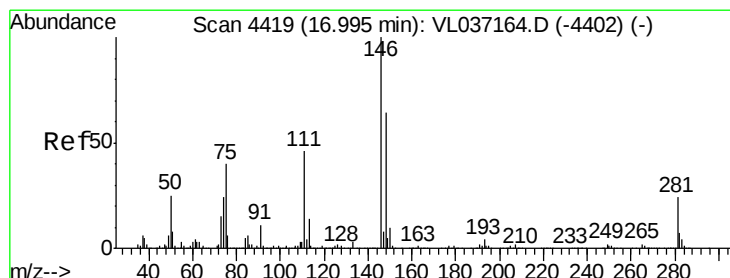
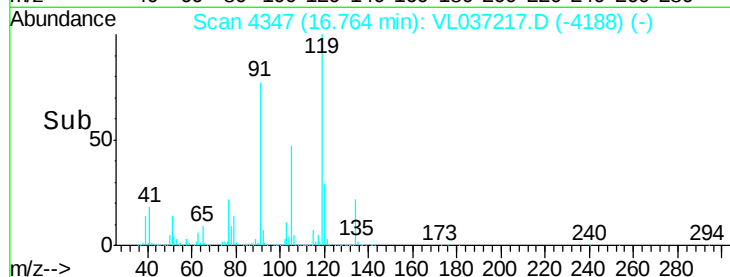
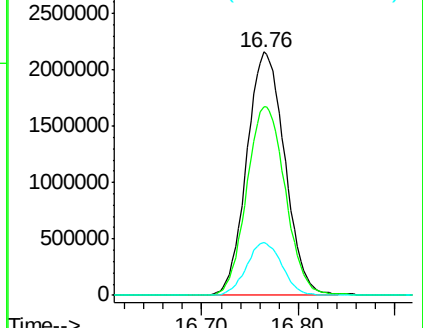
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 7.180 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

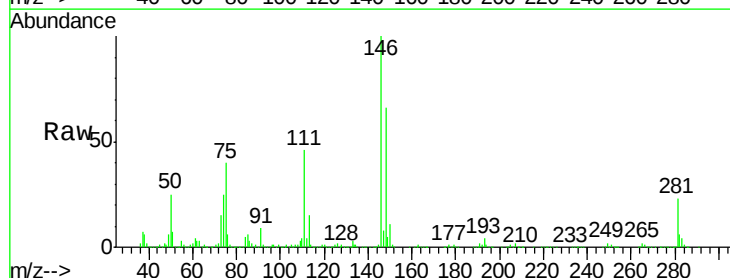
Tgt Ion: 91 Resp: 197724

Ion Ratio Lower Upper

91 100

126 22.1 15.5 23.3

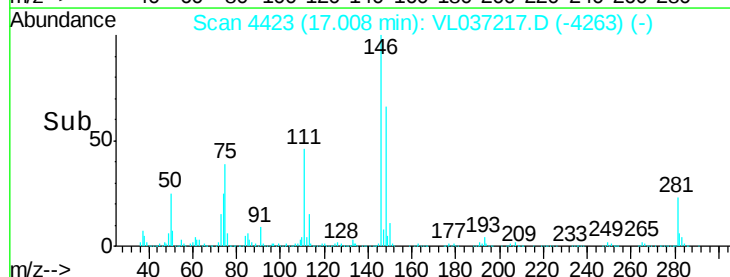
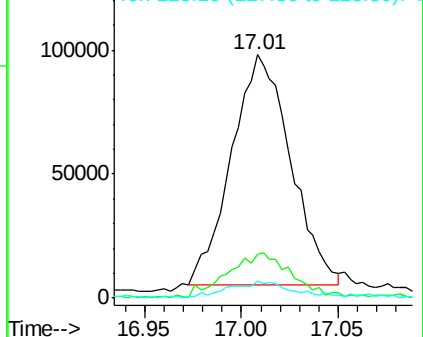
128 9.1 5.7 8.5#

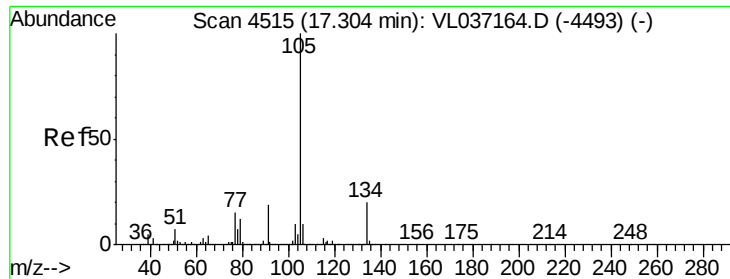


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.037 ppbv

RT: 17.32 min Scan# 4519

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 7830599

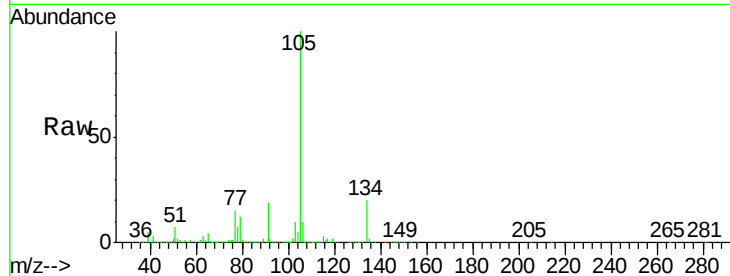
Ion Ratio Lower Upper

105 100

134 19.7 15.8 23.6

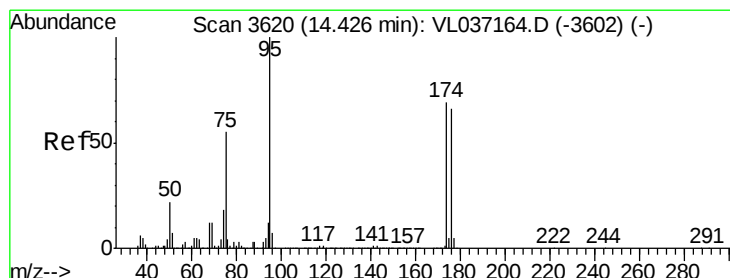
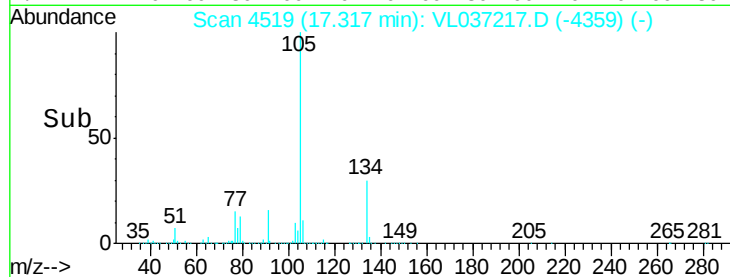
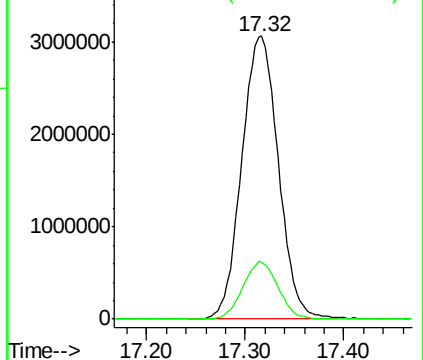
Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.722 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

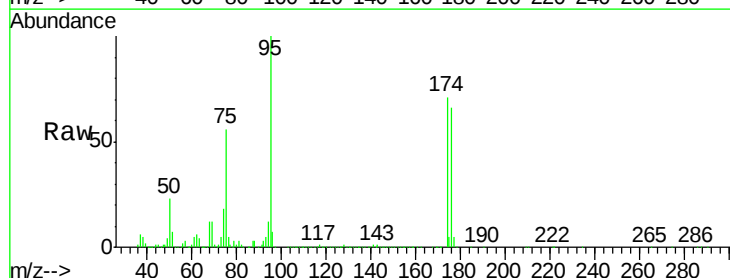
Tgt Ion: 95 Resp: 3417306

Ion Ratio Lower Upper

95 100

174 72.4 57.0 85.4

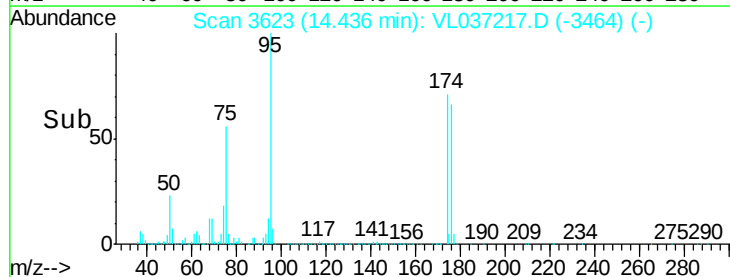
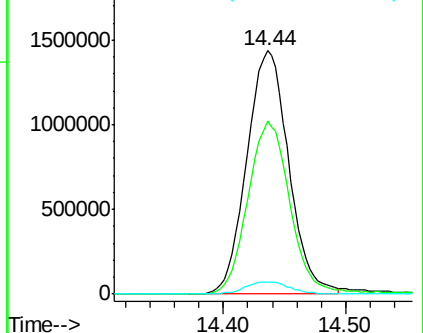
175 5.4 4.4 6.6

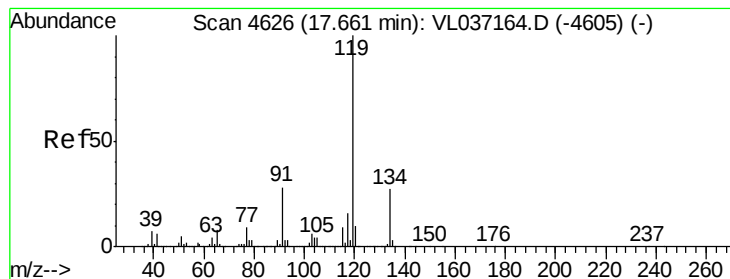


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 9.333 ppbv

RT: 17.67 min Scan# 4630

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 119 Resp: 6831564

Ion Ratio Lower Upper

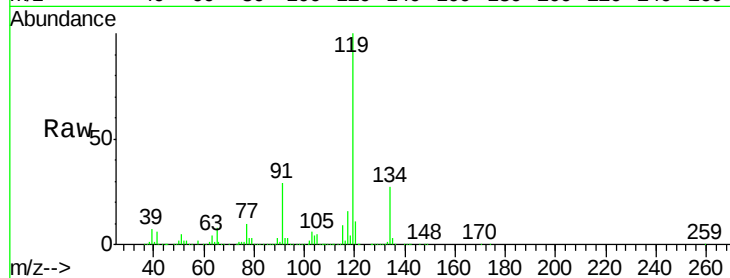
119 100

134 26.3 20.9 31.3

91 28.7 22.6 34.0

Manual Integrations
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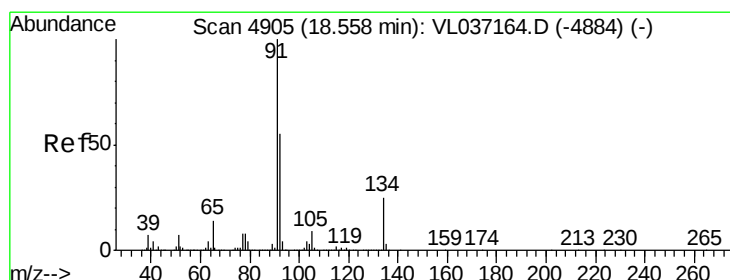
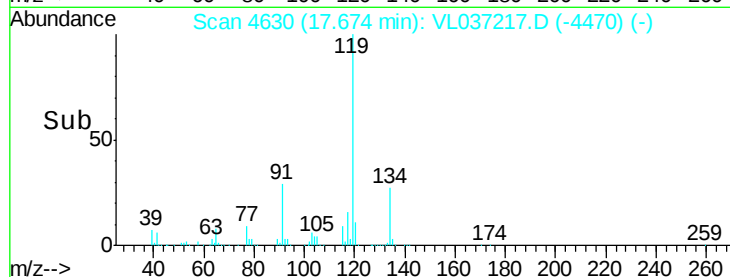
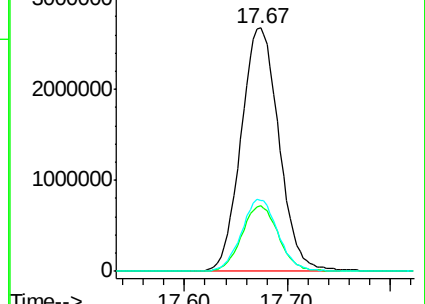
MMDadoda
6/24/2021 4:32:41 PM



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 9.576 ppbv

RT: 18.57 min Scan# 4909

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

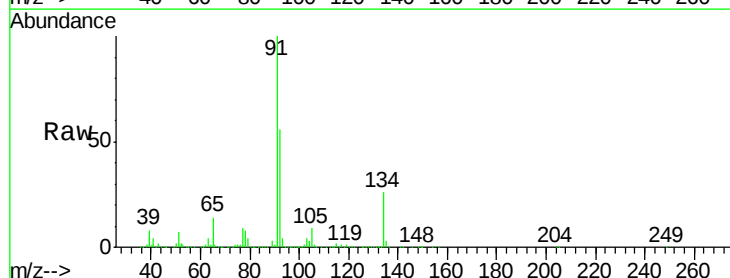
Tgt Ion: 91 Resp: 6486657

Ion Ratio Lower Upper

91 100

92 54.8 44.0 66.0

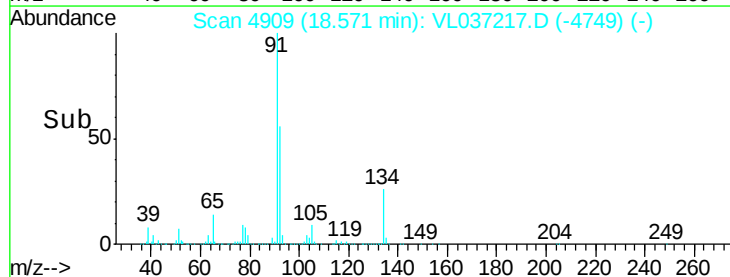
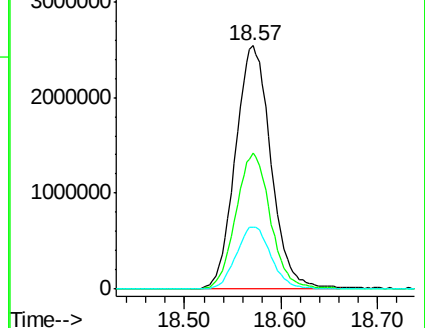
134 25.4 20.2 30.4

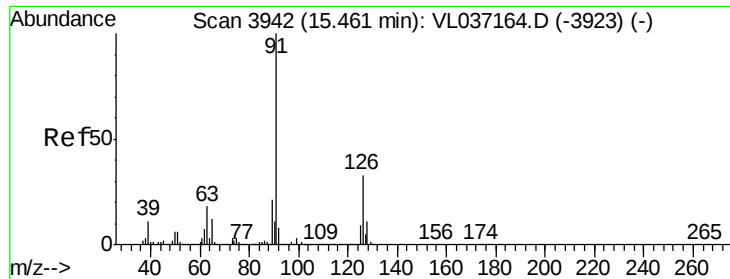


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





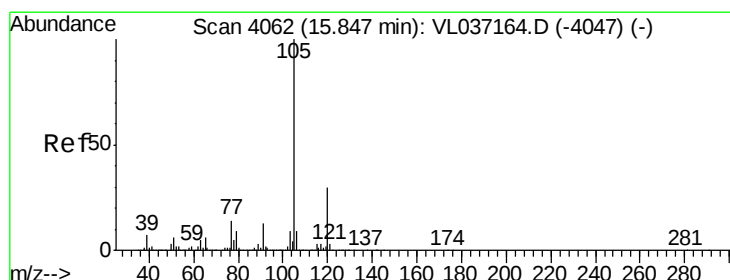
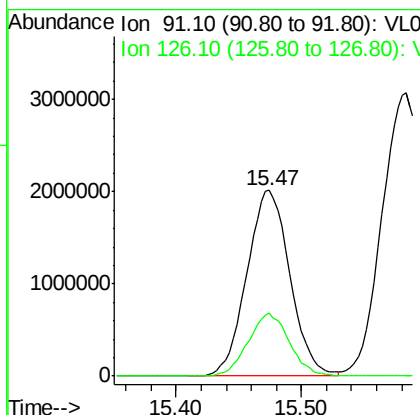
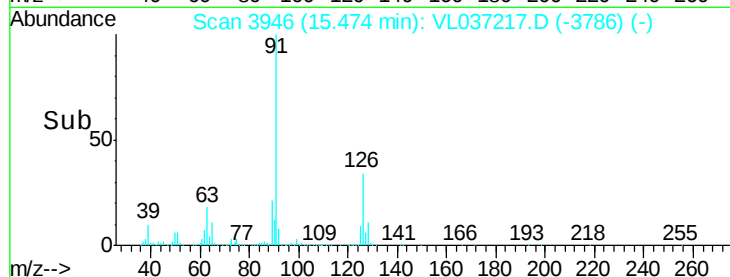
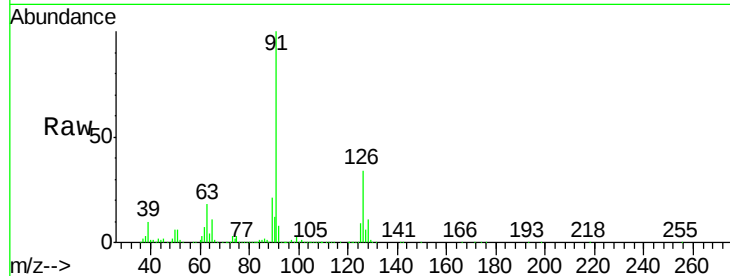
#71
2-Chlorotoluene
Concen: 9.373 ppbv
RT: 15.47 min Scan# 3946
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 4801655
Ion Ratio Lower Upper
91 100
126 32.9 13.5 54.1

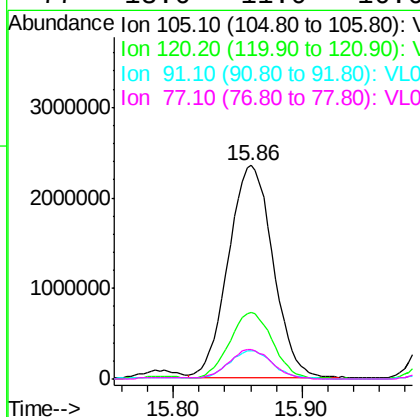
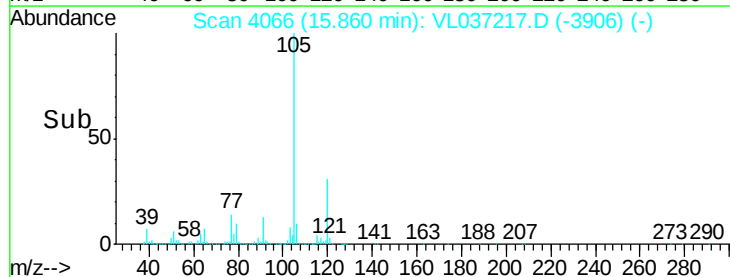
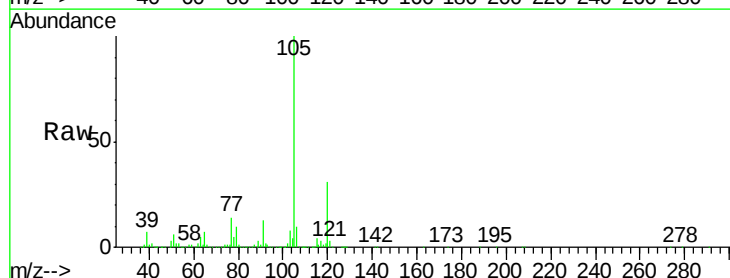
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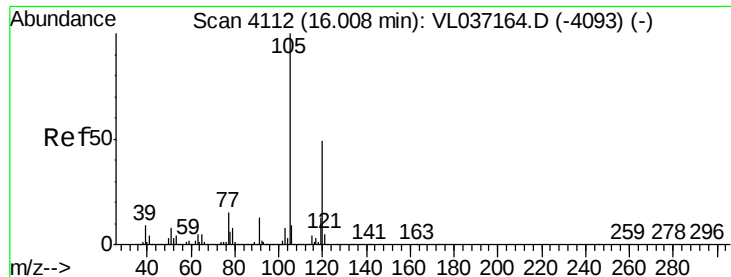
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#72
4-Ethyltoluene
Concen: 9.644 ppbv
RT: 15.86 min Scan# 4066
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Tgt Ion: 105 Resp: 5645243
Ion Ratio Lower Upper
105 100
120 30.8 24.7 37.1
91 13.0 10.2 15.4
77 13.6 11.0 16.6





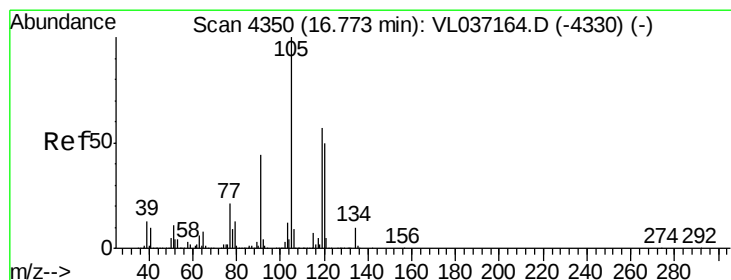
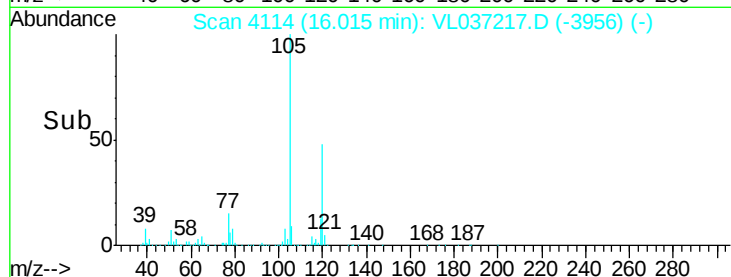
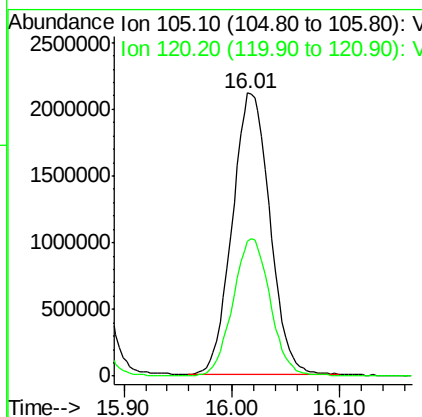
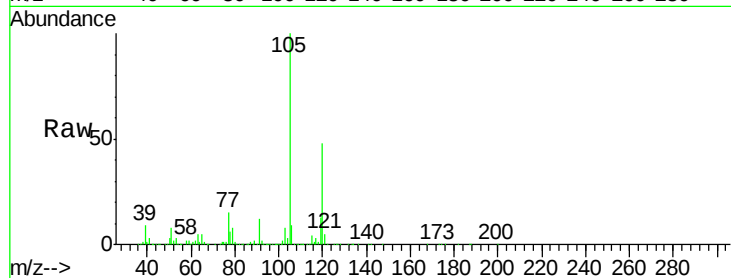
#73
 1,3,5-Trimethylbenzene
 Concen: 9.089 ppbv
 RT: 16.01 min Scan# 4114
 Delta R.T. 0.01 min
 Lab File: VL037217.D
 Acq: 22 Jun 2021 14:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 5142606
 Ion Ratio Lower Upper
 105 100
 120 47.6 39.4 59.2

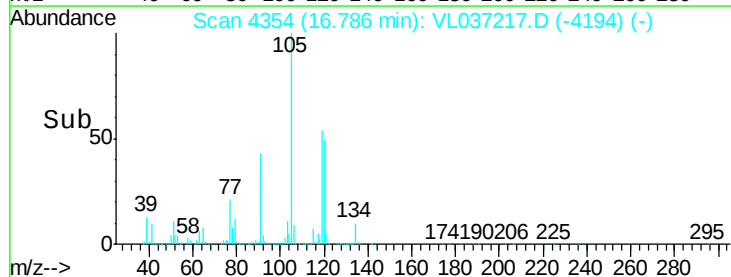
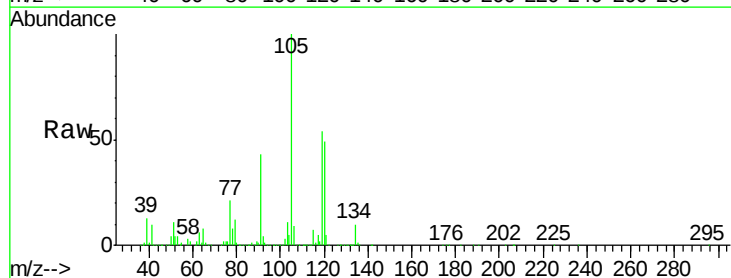
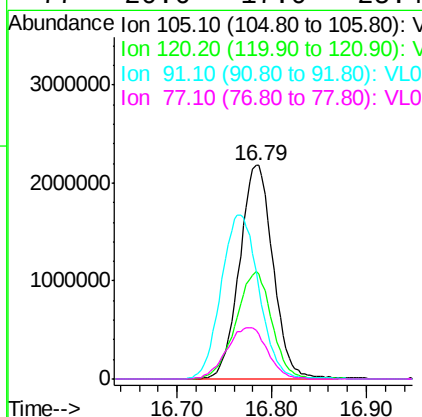
Manual Integrations
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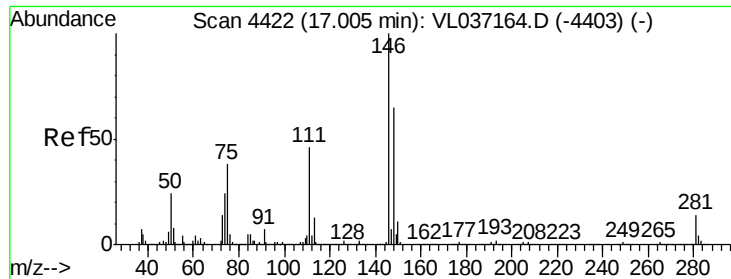
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.204 ppbv
 RT: 16.79 min Scan# 4354
 Delta R.T. 0.01 min
 Lab File: VL037217.D
 Acq: 22 Jun 2021 14:25

Tgt Ion:105 Resp: 5365949
 Ion Ratio Lower Upper
 105 100
 120 49.0 39.8 59.8
 91 42.4 37.0 55.4
 77 20.6 17.0 25.4





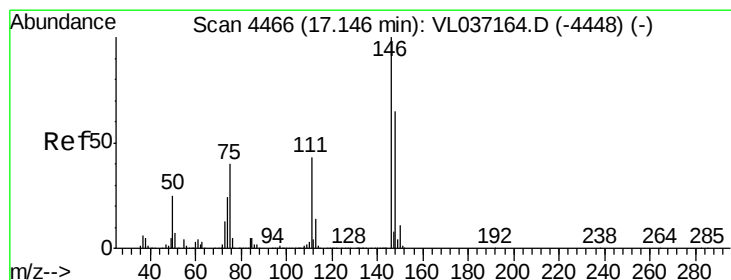
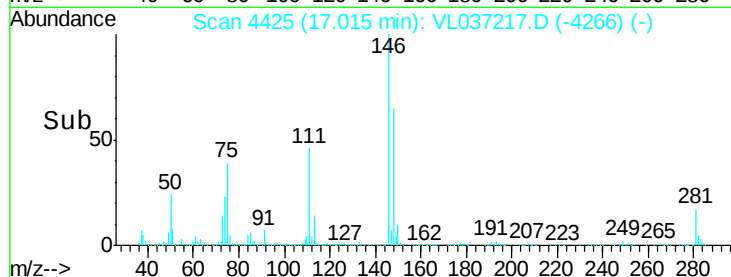
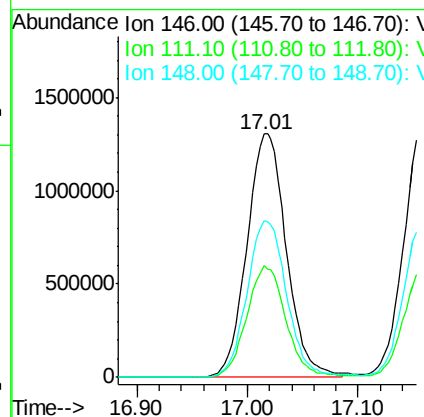
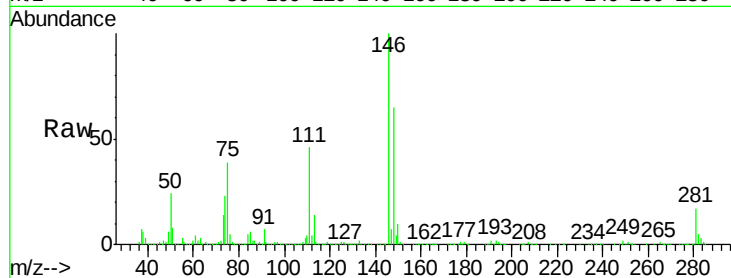
#75
 1,3-Dichlorobenzene
 Concen: 9.117 ppbv
 RT: 17.01 min Scan# 4425
 Delta R.T. 0.01 min
 Lab File: VL037217.D
 Acq: 22 Jun 2021 14:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 3231947
 Ion Ratio Lower Upper
 146 100
 111 45.6 22.2 66.6
 148 65.1 32.4 97.2

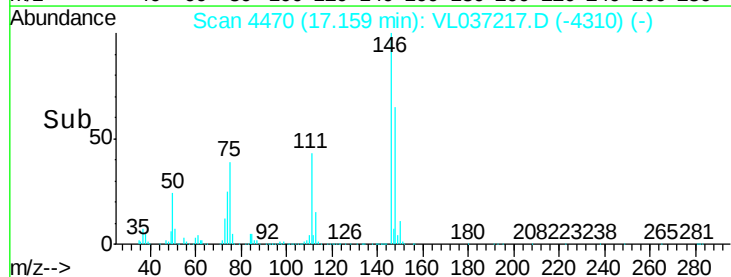
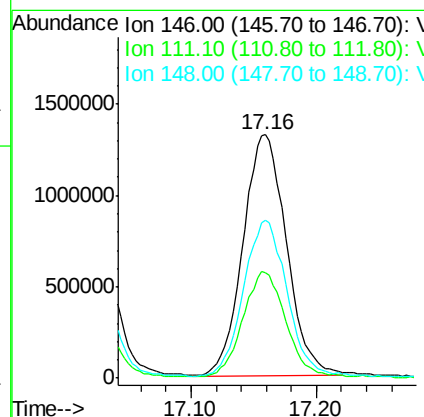
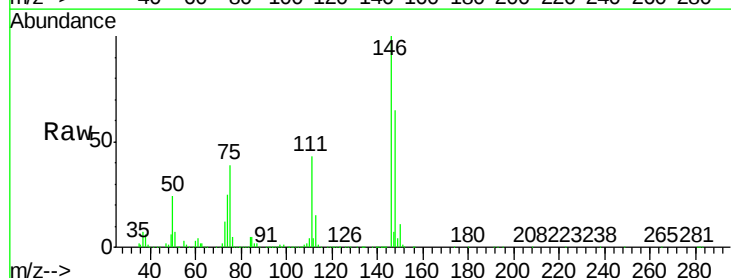
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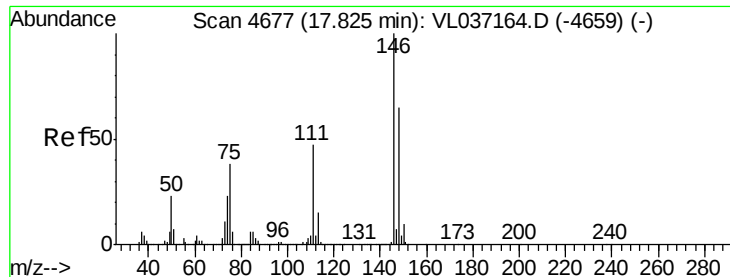
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#76
 1,4-Dichlorobenzene
 Concen: 9.054 ppbv
 RT: 17.16 min Scan# 4470
 Delta R.T. 0.01 min
 Lab File: VL037217.D
 Acq: 22 Jun 2021 14:25

Tgt Ion:146 Resp: 3205589
 Ion Ratio Lower Upper
 146 100
 111 44.3 22.7 68.0
 148 66.5 33.7 101.1





#77

1,2-Dichlorobenzene

Concen: 9.107 ppbv

RT: 17.84 min Scan# 4681

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 3122991

Ion Ratio Lower Upper

146 100

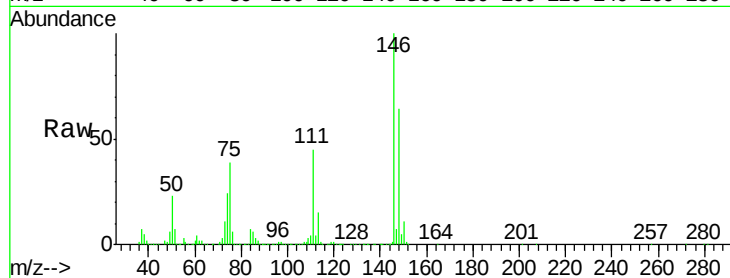
111 46.5 23.3 69.8

148 65.4 32.4 97.0

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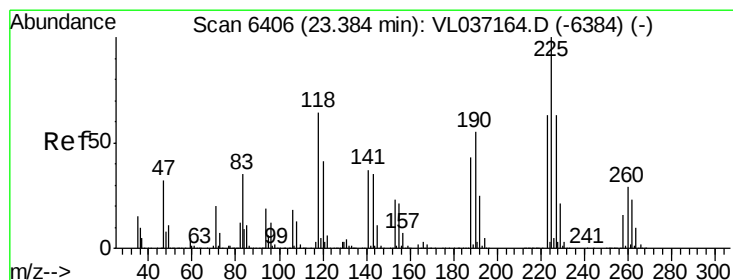
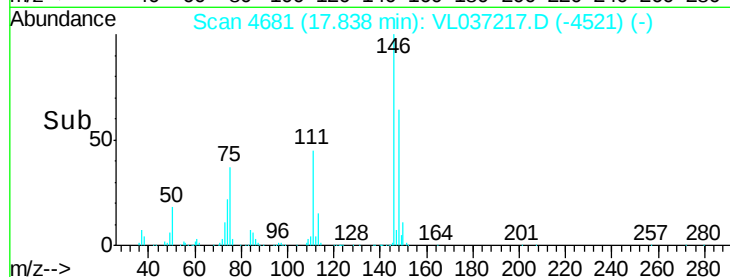
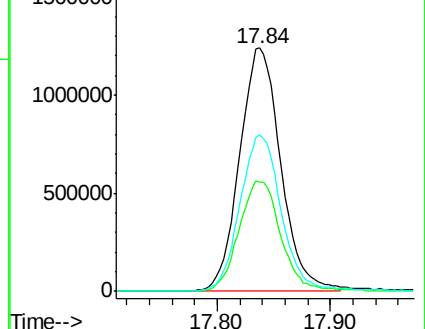
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.057 ppbv

RT: 23.40 min Scan# 6410

Delta R.T. 0.01 min

Lab File: VL037217.D

Acq: 22 Jun 2021 14:25

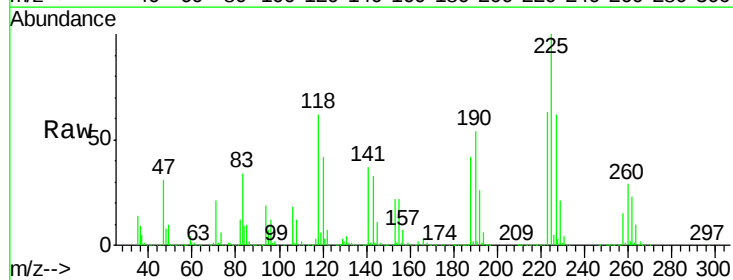
Tgt Ion:225 Resp: 2080656

Ion Ratio Lower Upper

225 100

223 65.5 51.8 77.8

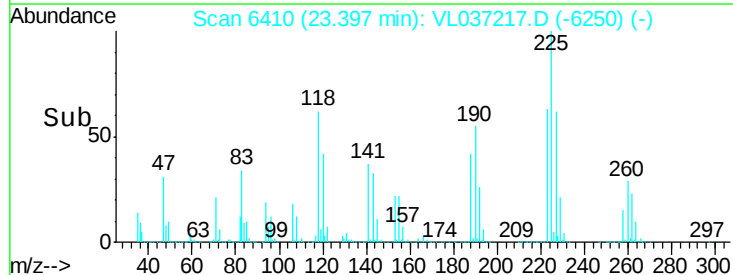
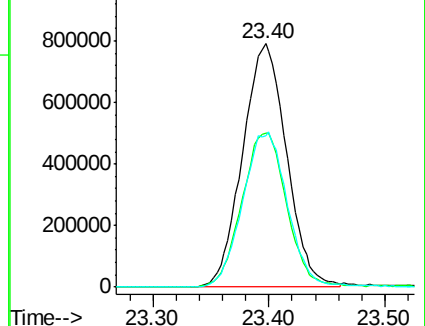
227 65.6 51.4 77.0

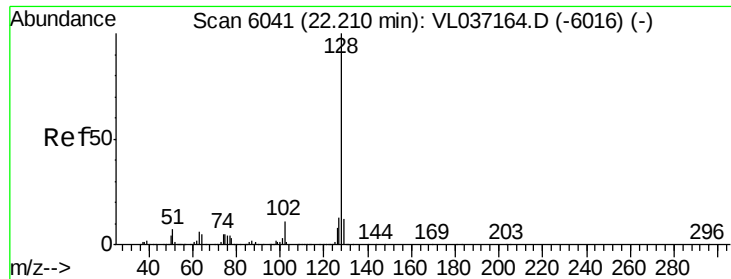


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





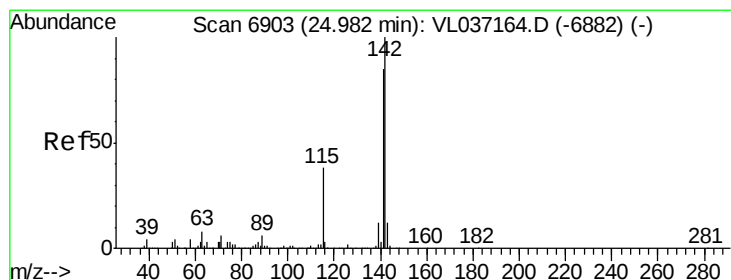
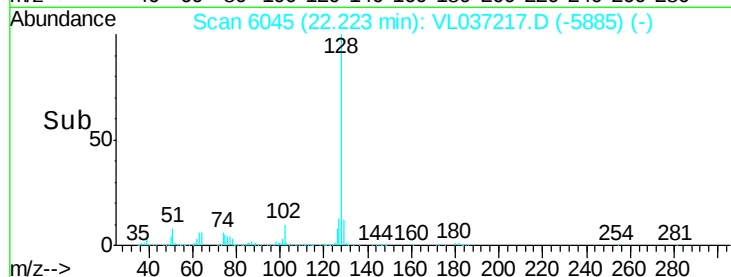
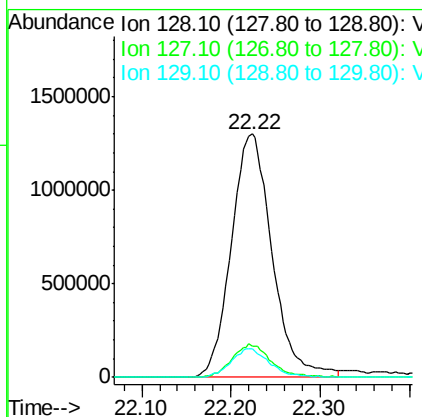
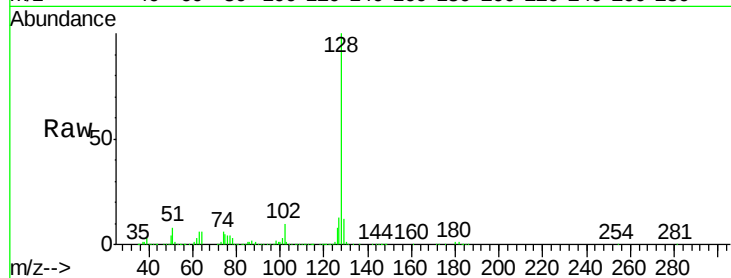
#79
Naphthalene
Concen: 8.484 ppbv
RT: 22.22 min Scan# 6045
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	11.7	9.3	13.9

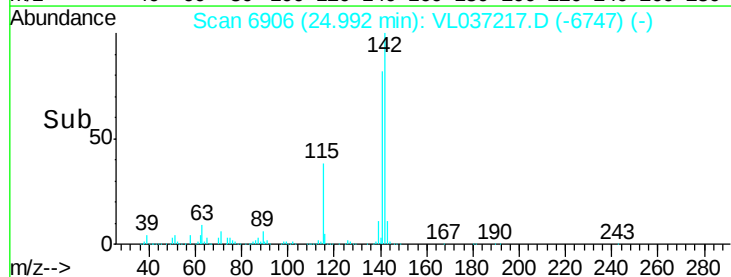
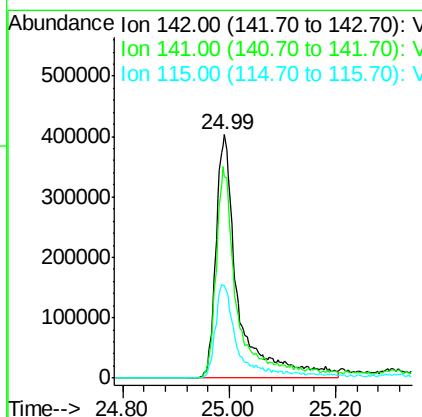
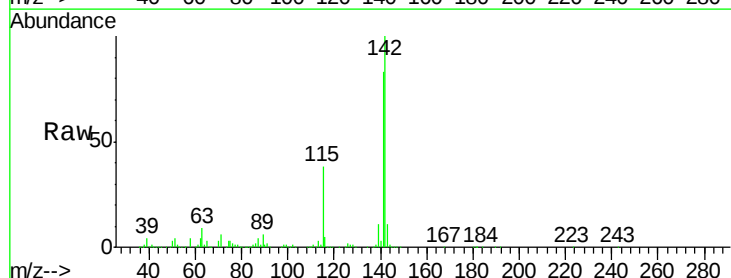
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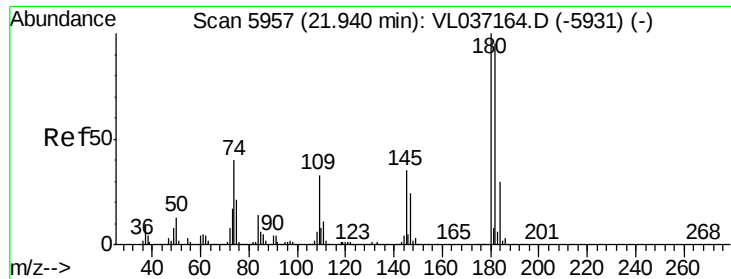
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#80
Naphthalene, 2-methyl-
Concen: 9.225 ppbv
RT: 24.99 min Scan# 6906
Delta R.T. 0.01 min
Lab File: VL037217.D
Acq: 22 Jun 2021 14:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.9	63.7	95.5
115	35.1	30.6	45.8





#81
 1,2,4-Trichlorobenzene
 Concen: 8.431 ppbv
 RT: 21.95 min Scan# 5961
 Delta R.T. 0.01 min
 Lab File: VL037217.D
 Acq: 22 Jun 2021 14:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.4	79.3	118.9
184	32.6	24.7	37.1

Manual Integrations
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