

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081821\
 Data File : VL037487.D
 Acq On : 18 Aug 2021 11:44
 Operator : SY/AP
 Sample : VL0818ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0818ABS01

Manual Integrations
 APPROVED

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 8/19/2021 5:57:46 PM

Quant Time: Aug 19 02:02:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 18 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1427044	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4291633	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3769884m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2797757	10.45	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2109468	9.213	ppbv	98
3) Chlorodifluoromethane	2.98	51	2524993	9.240	ppbv	100
4) Chloromethane	3.13	50	940360	9.630	ppbv	96
5) Vinyl Chloride	3.25	62	951428	9.510	ppbv	97
6) Bromomethane	3.47	94	444140	8.105	ppbv	99
7) Chloroethane	3.55	64	320784	9.395	ppbv	92
8) Dichlorotetrafluoroethane	3.18	85	2221807	9.399	ppbv	99
9) Propene	3.00	41	883073	9.032	ppbv	98
10) Heptane	8.11	43	2256962	10.029	ppbv	99
11) Trichlorofluoromethane	3.94	101	2002358	9.316	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1510714	9.579	ppbv	99
13) Ethanol	3.61	45	82053m	8.624	ppbv	
14) Bromoethene	3.73	108	675281	9.431	ppbv	98
15) Acetone	3.84	43	1147343	7.900	ppbv	98
16) 1,3-Butadiene	3.32	39	922398	9.901	ppbv	99
17) tert-Butyl alcohol	4.28	59	1268368	9.560	ppbv	98
18) 1,1-Dichloroethene	4.28	96	682059	9.520	ppbv	98
19) Isopropyl Alcohol	3.95	45	757475	9.104	ppbv	# 98
20) Methylene Chloride	4.33	84	585757	8.056	ppbv	94
21) Allyl Chloride	4.40	41	1066716	9.043	ppbv	95
22) trans-1,2-Dichloroethene	4.88	96	720164	10.076	ppbv	98
23) Vinyl Acetate	5.06	43	1677572	7.837	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1381788	8.900	ppbv	99
25) Ethyl Acetate	5.67	43	3478278	9.434	ppbv	99
26) Hexane	5.67	57	1670284	9.266	ppbv	99
27) Carbon Disulfide	4.54	76	1704220	10.608	ppbv	97
28) Methyl tert-Butyl Ether	5.02	73	1474330	8.516	ppbv	100
29) Chloroform	5.74	83	2450602	9.593	ppbv	96
30) Cyclohexane	7.11	84	1423112	9.475	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1590354	9.748	ppbv	97
32) 1,1,1-Trichloroethane	6.50	97	2408316	9.595	ppbv	100
34) 2-Butanone	5.23	43	1487642	8.489	ppbv	95
35) Carbon Tetrachloride	7.01	117	2490347	9.819	ppbv	99
36) Benzene	6.88	78	3527349	9.777	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1782939	9.977	ppbv	99
38) Trichloroethene	7.82	130	1385830	9.362	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1325172	9.559	ppbv	98
40) 1,4-Dioxane	7.82	88	310089	9.130	ppbv	# 100
41) Tetrahydrofuran	6.04	42	805114	9.537	ppbv	99
42) Bromodichloromethane	7.78	83	2620848	10.030	ppbv	98
43) Methyl Methacrylate	8.00	69	1276335	10.150	ppbv	100

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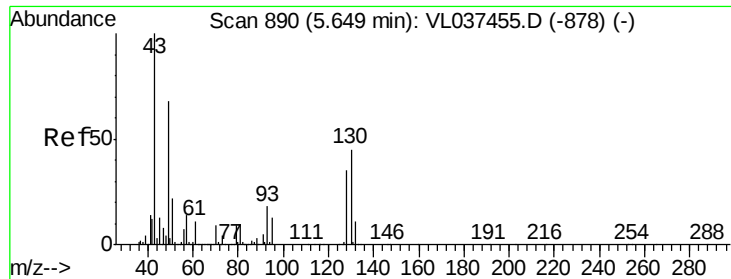
Manual Integrations
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Quant Time: Aug 19 02:02:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 18 2021
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5816125	9.579	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	869977	9.191	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	1182512	8.955	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1428680	9.538	ppbv	98
48) Dibromochloromethane	10.29	129	2284193	10.596	ppbv	100
49) Bromoform	13.02	173	1857225	10.930	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2295311	10.039	ppbv	99
51) 2-Hexanone	10.12	43	1118186	10.633	ppbv #	99
52) Tetrachloroethene	11.20	164	1319630	8.926	ppbv	98
53) Toluene	9.79	91	4114862	9.989	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1990703	9.520	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1549246	9.862	ppbv	97
57) Chlorobenzene	12.13	112	2919629	9.332	ppbv	98
58) Ethyl Benzene	12.69	91	5188221	9.917	ppbv	99
59) m/p-Xylene	12.98	91	8824988m	19.458	ppbv	
60) o-Xylene	13.67	91	4055782	9.581	ppbv	99
61) Styrene	13.51	104	2310433	10.507	ppbv	99
62) Isopropylbenzene	14.65	105	5721085	9.576	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	3064276	9.740	ppbv	98
64) n-propylbenzene	15.54	120	1534471	10.093	ppbv	98
65) tert-Butylbenzene	16.72	119	5227580	9.608	ppbv	100
66) Benzyl Chloride	16.97	91	298985	12.148	ppbv	100
67) sec-Butylbenzene	17.28	105	7298068	9.600	ppbv	99
69) p-Isopropyltoluene	17.63	119	6147972	9.924	ppbv	100
70) n-Butylbenzene	18.53	91	6042016	10.205	ppbv	99
71) 2-Chlorotoluene	15.43	91	4339380	9.905	ppbv	100
72) 4-Ethyltoluene	15.82	105	5142830	10.214	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4641274	9.903	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	4763902	9.565	ppbv #	90
75) 1,3-Dichlorobenzene	16.98	146	2887443	9.632	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2850848	9.440	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	2797403	9.476	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2141337	8.725	ppbv	99
79) Naphthalene	22.17	128	3540239	10.622	ppbv	97
80) Naphthalene, 2-methyl-	24.95	142	894022	9.629	ppbv	92
81) 1,2,4-Trichlorobenzene	21.90	180	2179870	10.423	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.01 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion: 49 Resp: 1427044

Ion Ratio Lower Upper

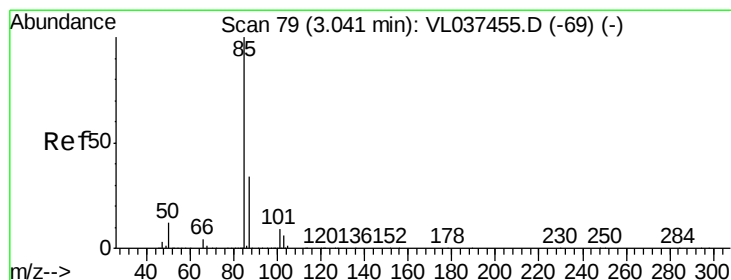
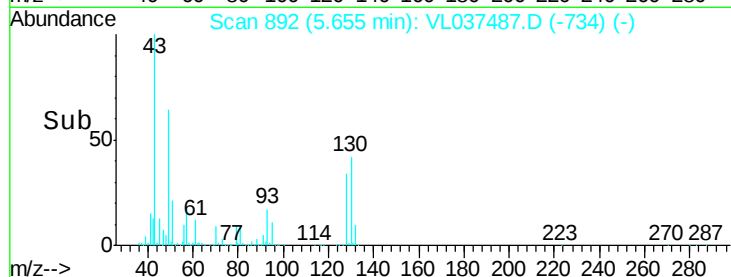
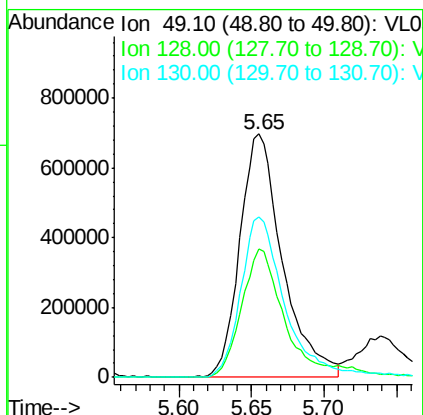
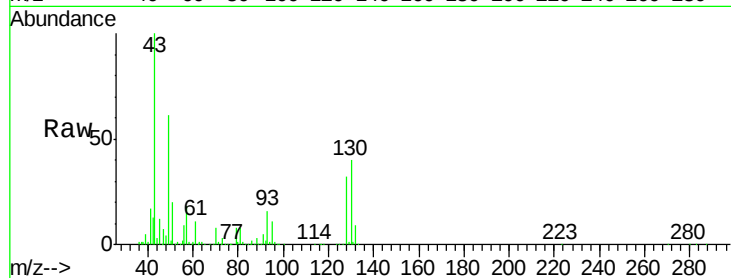
49 100

128 56.0 27.5 82.4

130 69.3 34.0 101.8

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#2

Dichlorodifluoromethane

Concen: 9.213 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL037487.D

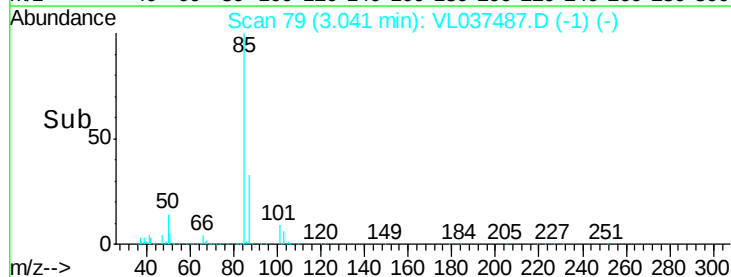
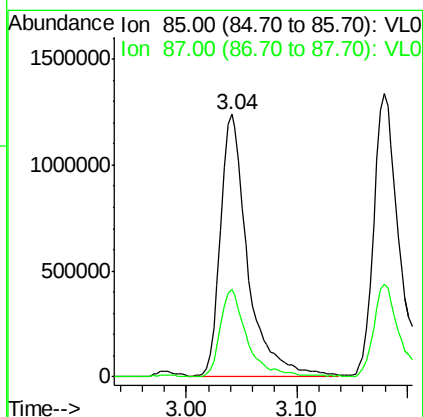
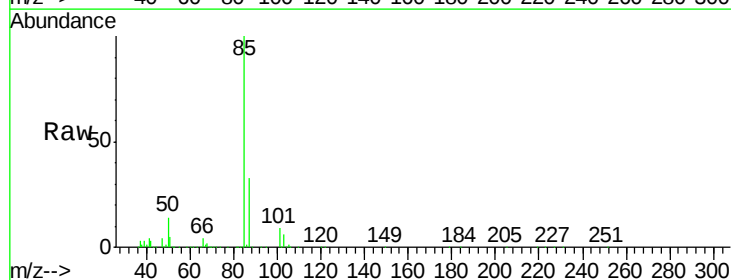
Acq: 18 Aug 2021 11:44

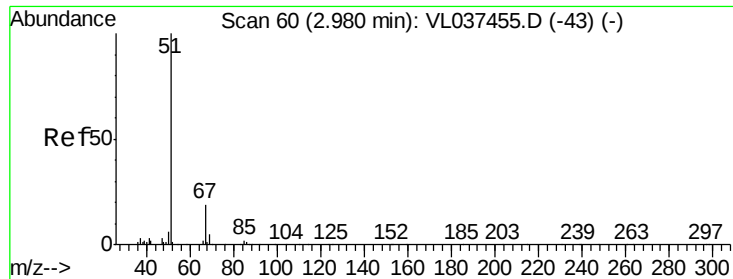
Tgt Ion: 85 Resp: 2109468

Ion Ratio Lower Upper

85 100

87 33.4 27.6 41.4





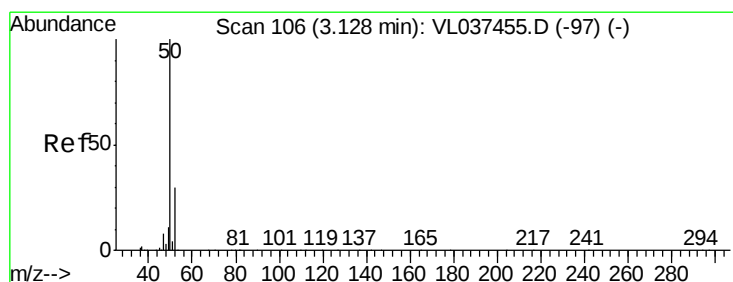
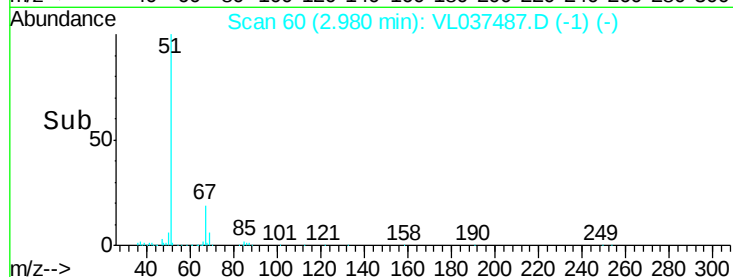
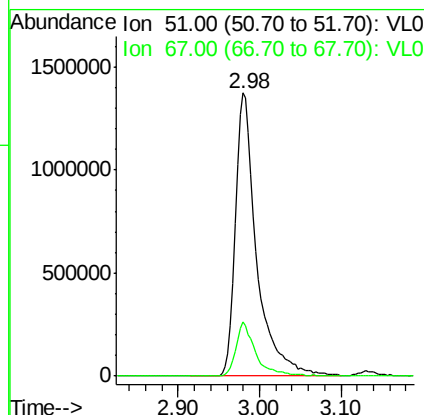
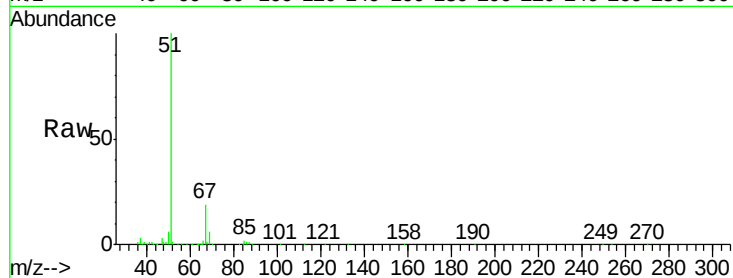
#3
Chlorodifluoromethane
Concen: 9.240 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Instrument :
MSVOA_L
ClientSampleId :
VL0818ABS01

Tot Ion: 51 Resp: 2524993
Ion Ratio Lower Upper
51 100
67 17.9 14.2 21.2

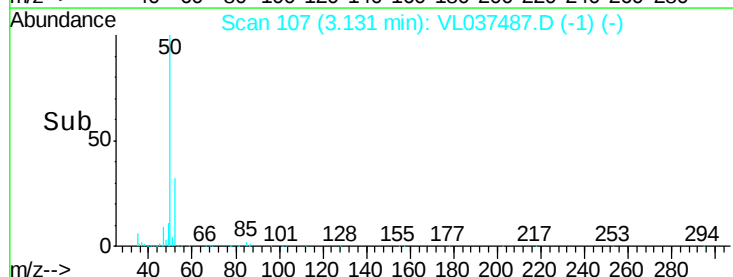
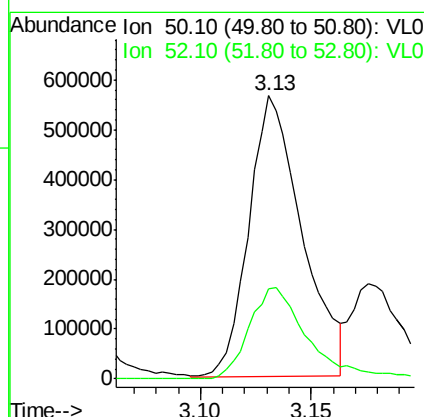
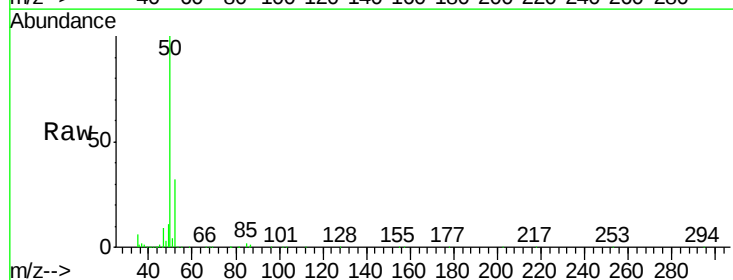
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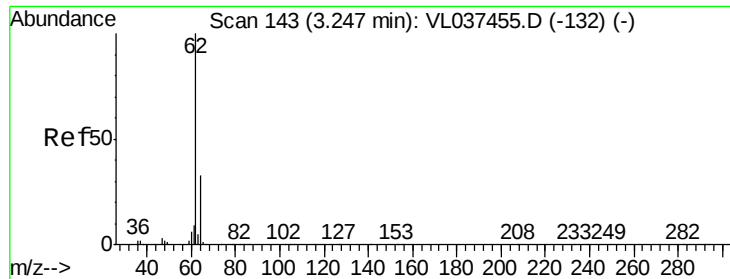
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#4
Chloromethane
Concen: 9.630 ppbv
RT: 3.13 min Scan# 107
Delta R.T. 0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tgt Ion: 50 Resp: 940360
Ion Ratio Lower Upper
50 100
52 32.3 24.0 36.0





#5

Vinyl Chloride

Concen: 9.510 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion: 62 Resp: 951428

Ion Ratio Lower Upper

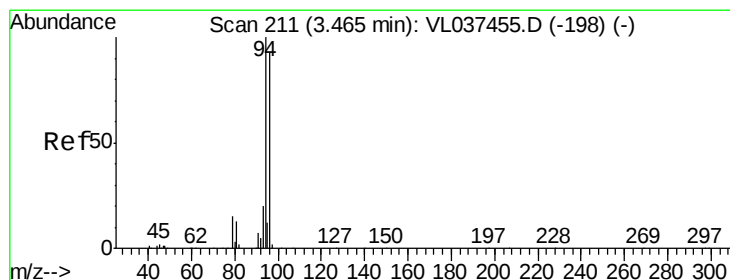
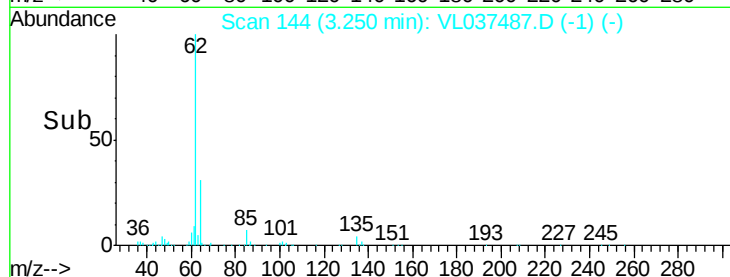
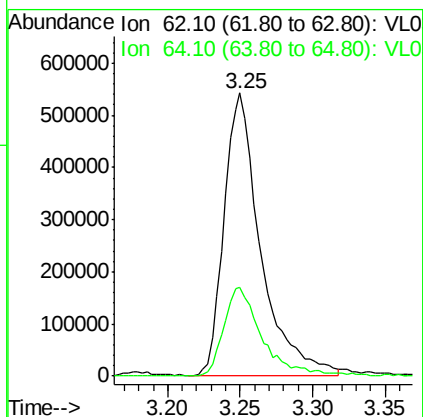
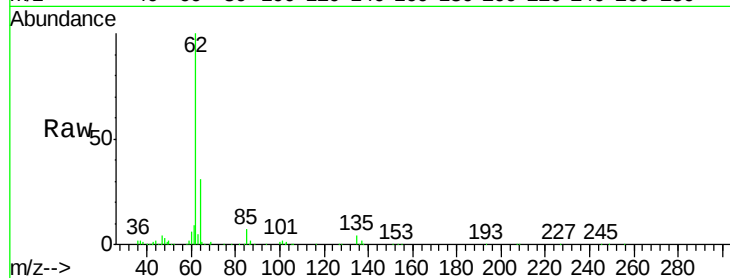
62 100

64 31.5 26.5 39.7

Manual Integrations
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#6

Bromomethane

Concen: 8.105 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL037487.D

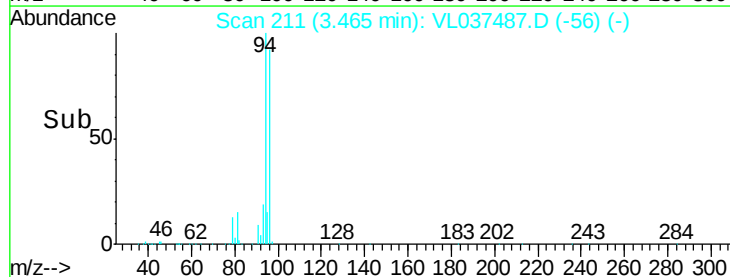
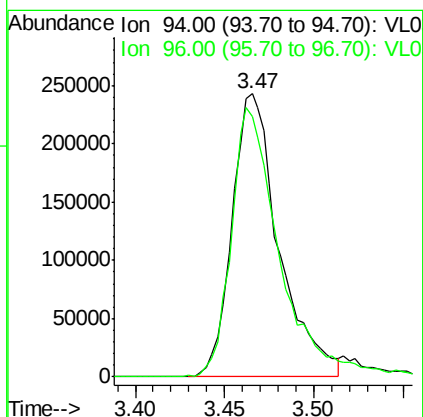
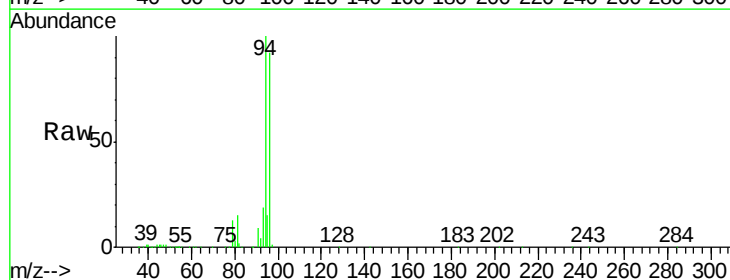
Acq: 18 Aug 2021 11:44

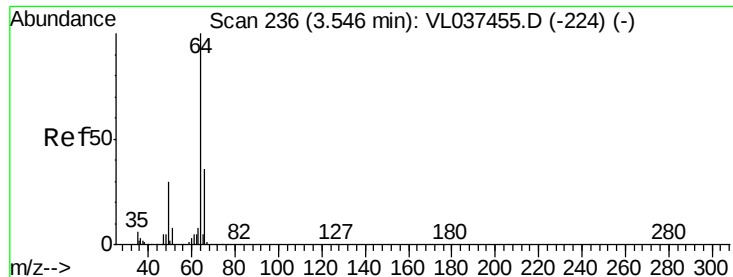
Tgt Ion: 94 Resp: 444140

Ion Ratio Lower Upper

94 100

96 91.8 74.5 111.7





#7

Chloroethane

Concen: 9.395 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion: 64 Resp: 320784

Ion Ratio Lower Upper

64 100

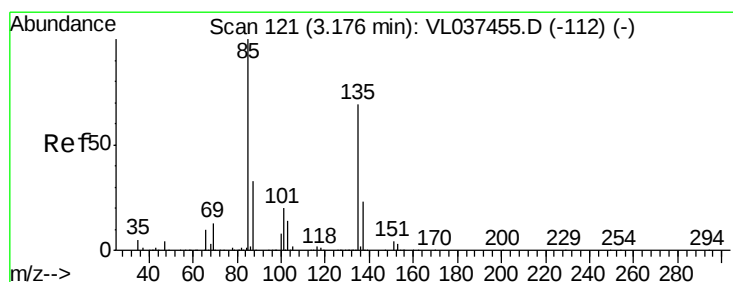
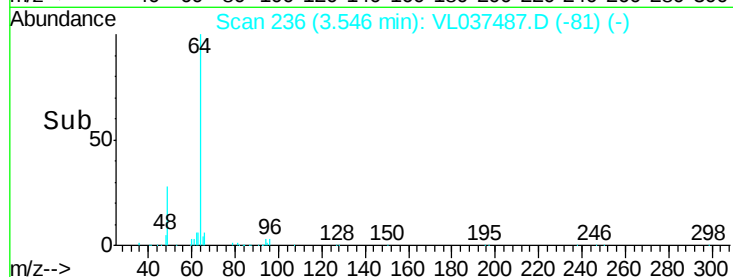
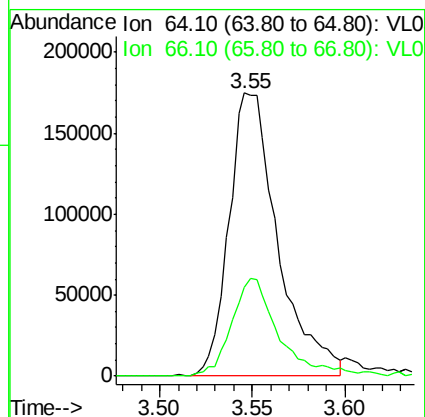
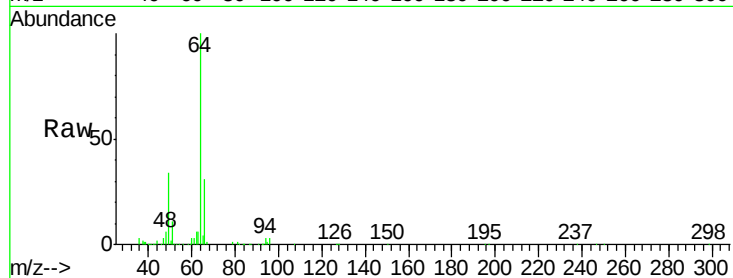
66 31.4 28.6 43.0

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#8

Dichlorotetrafluoroethane

Concen: 9.399 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037487.D

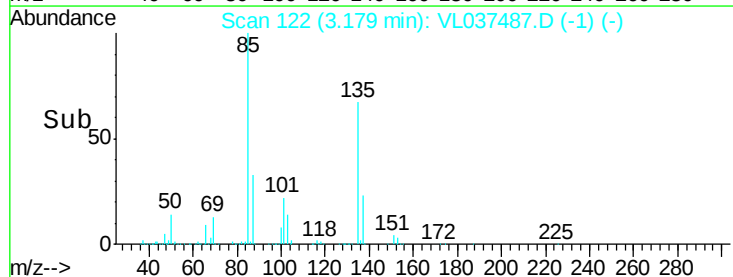
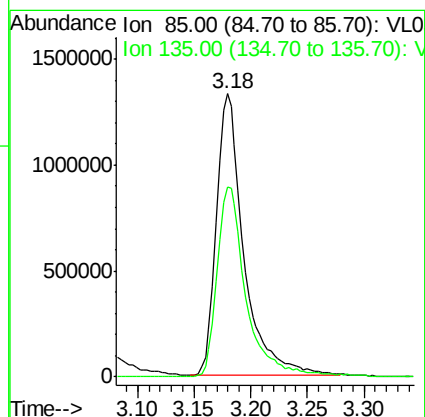
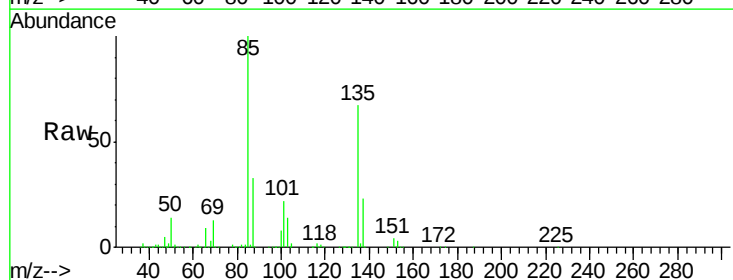
Acq: 18 Aug 2021 11:44

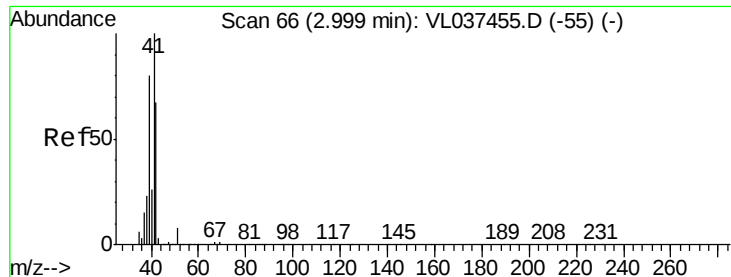
Tgt Ion: 85 Resp: 2221807

Ion Ratio Lower Upper

85 100

135 72.5 58.8 88.2





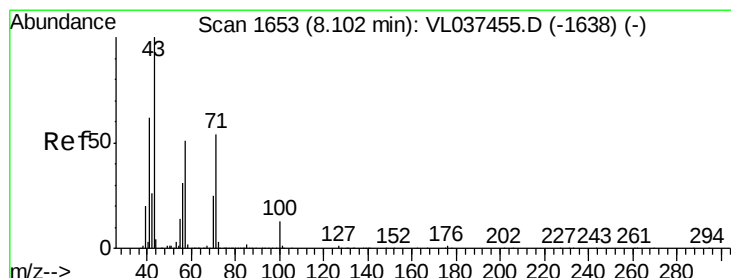
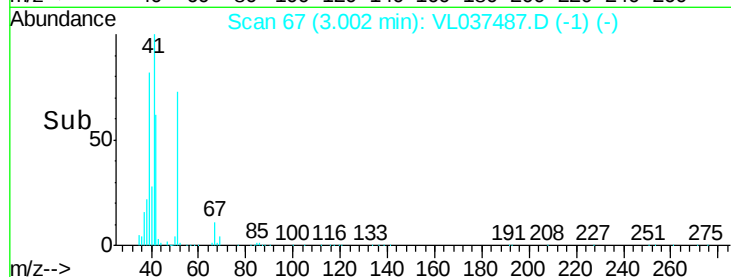
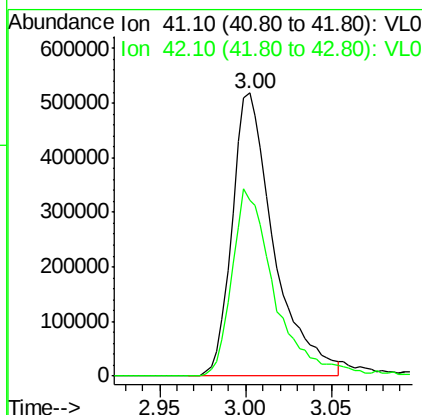
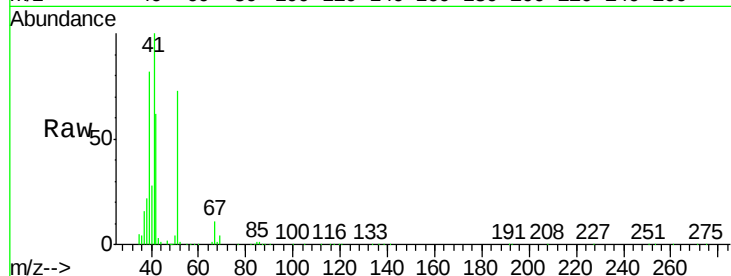
#9
 Propene
 Concen: 9.032 ppbv
 RT: 3.00 min Scan# 67
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0818ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
42	68.6	53.7	80.5

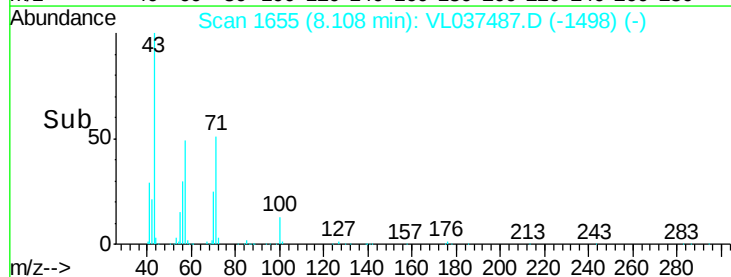
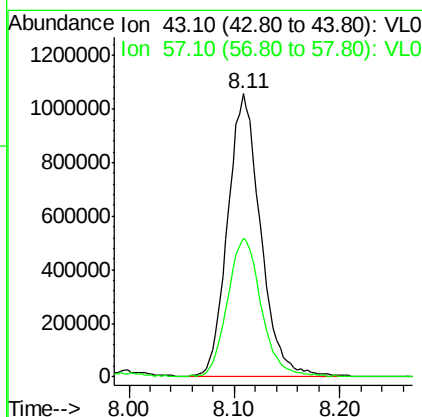
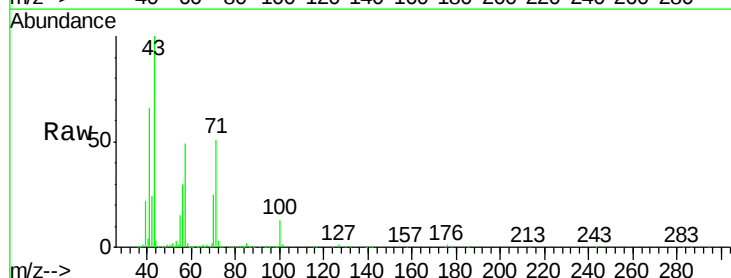
Manual Integrations
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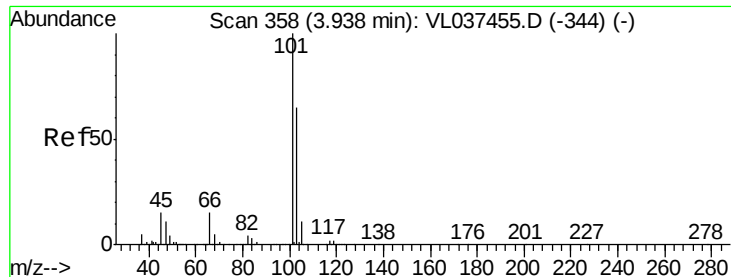
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#10
 Heptane
 Concen: 10.029 ppbv
 RT: 8.11 min Scan# 1655
 Delta R.T. 0.01 min
 Lab File: VL037487.D
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Tgt Ion	Ratio	Lower	Upper
43	100		
57	50.5	41.0	61.6





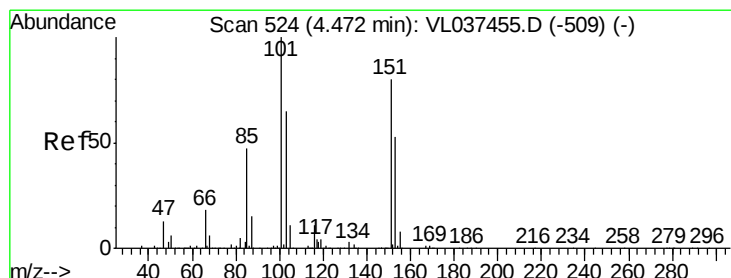
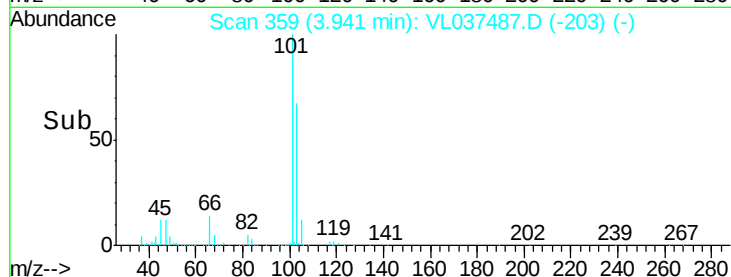
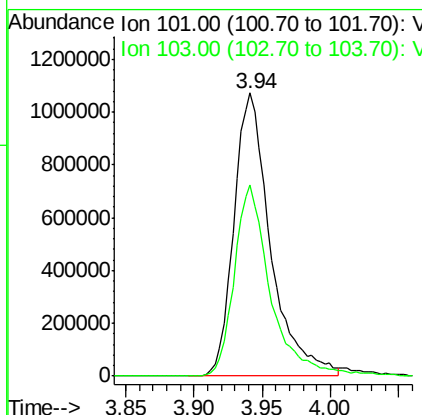
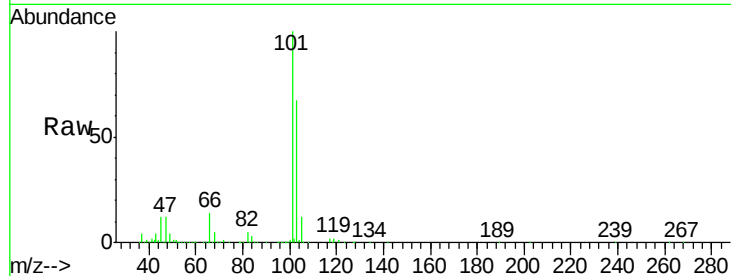
#11
 Trichlorofluoromethane
 Concen: 9.316 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0818ABS01

Tot Ion:101 Resp: 2002358
 Ion Ratio Lower Upper
 101 100
 103 67.4 51.8 77.6

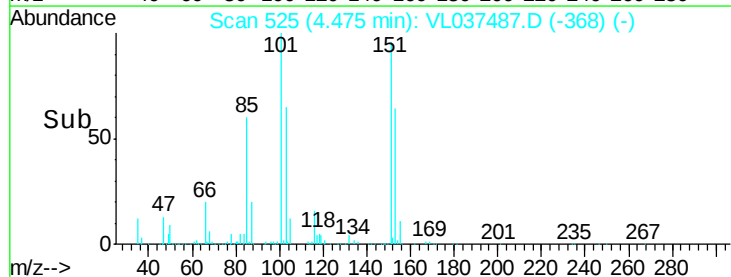
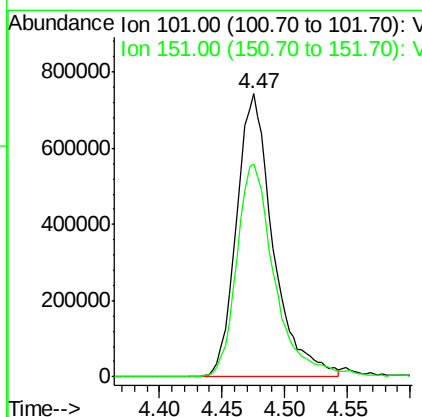
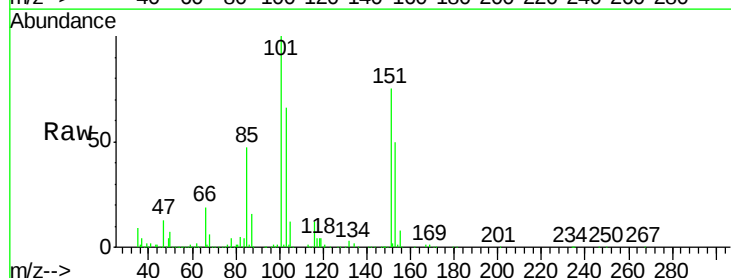
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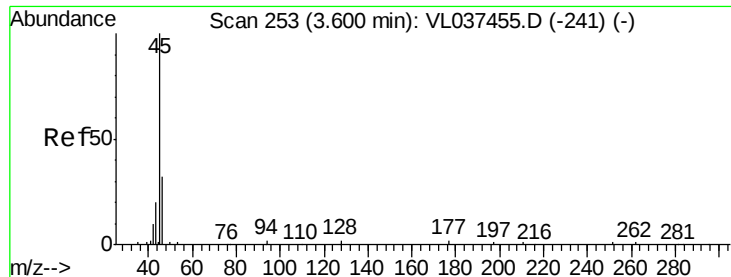
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.579 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Tgt Ion:101 Resp: 1510714
 Ion Ratio Lower Upper
 101 100
 151 78.6 63.7 95.5





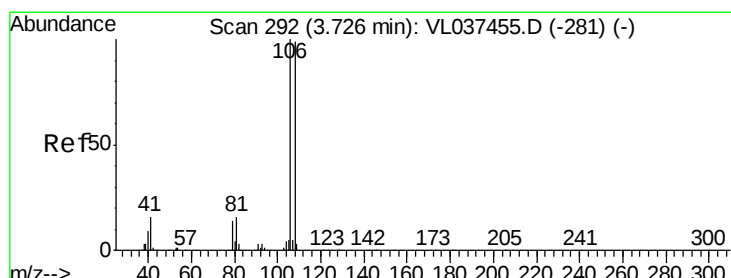
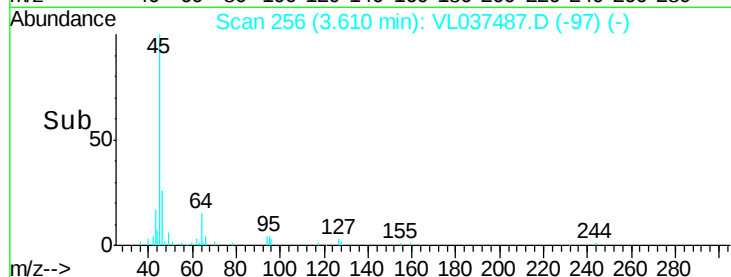
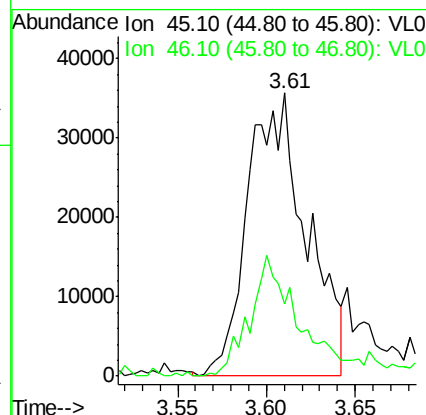
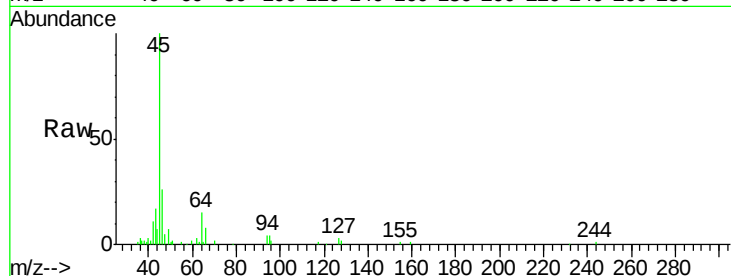
#13
Ethanol
Concen: 8.624 ppbv m
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Instrument :
MSVOA_L
ClientSampleId :
VL0818ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	40.6	14.1	56.5

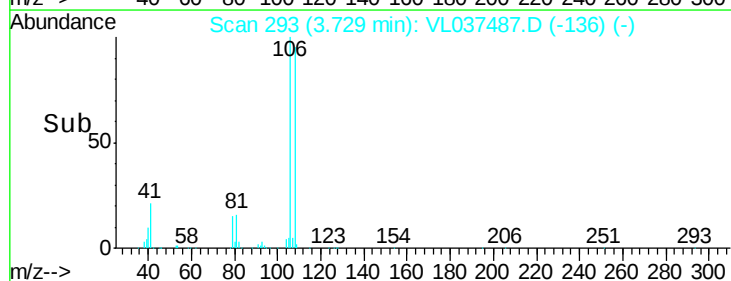
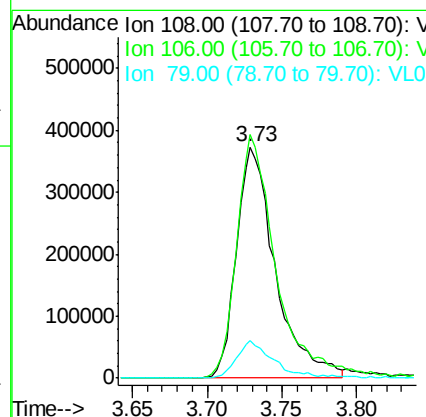
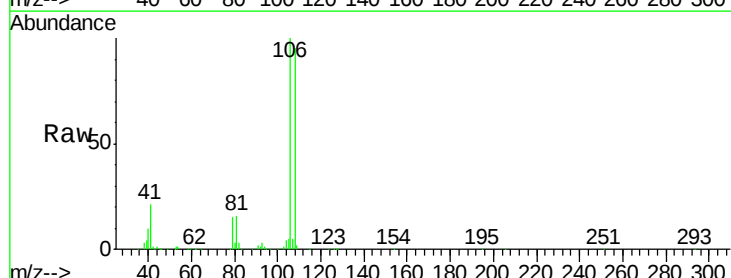
Manual Integrations
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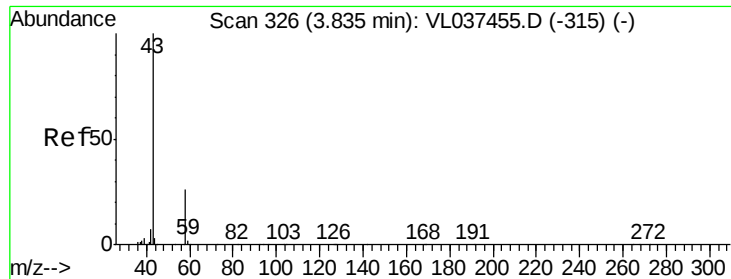
MMDadoda
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#14
Bromoethene
Concen: 9.431 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tgt Ion	Ratio	Lower	Upper
108	100		
106	109.1	85.8	128.8
79	16.2	12.6	18.8





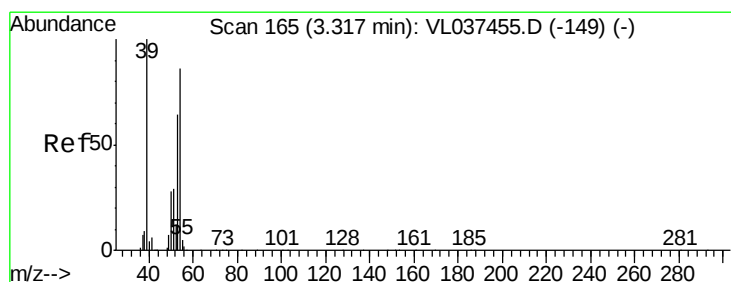
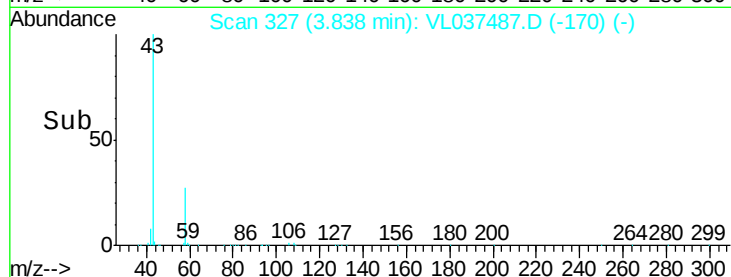
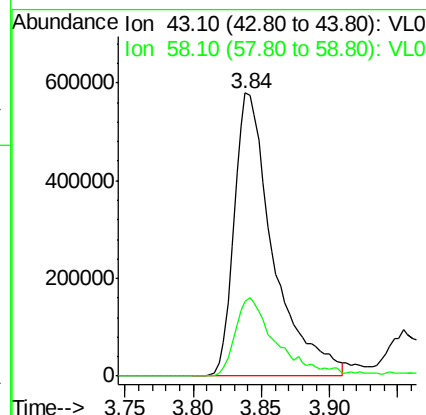
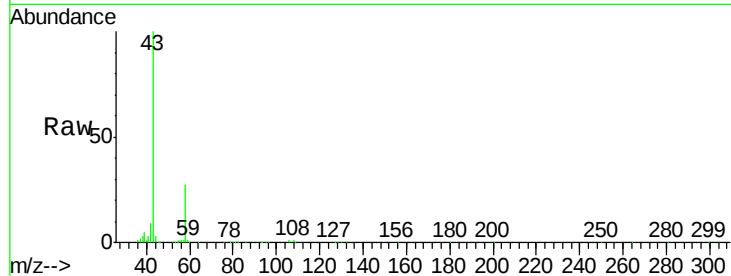
#15
Acetone
Concen: 7.900 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Instrument :
MSVOA_L
ClientSampleId :
VL0818ABS01

Tot Ion: 43 Resp: 1147343
Ion Ratio Lower Upper
43 100
58 29.9 24.8 37.2

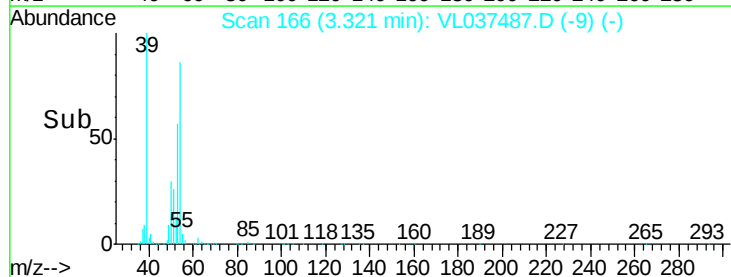
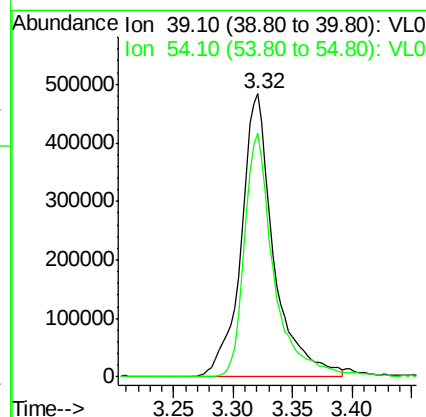
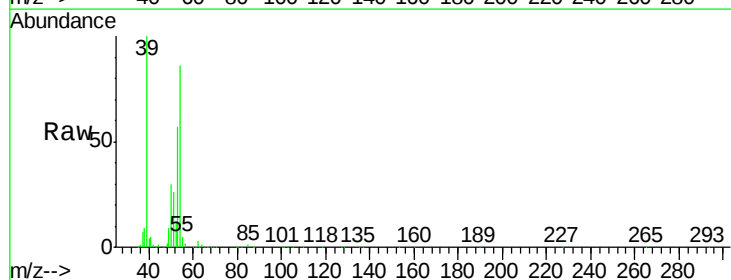
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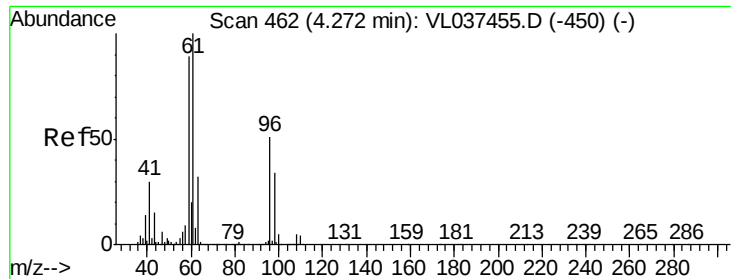
MMDadoda
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#16
1,3-Butadiene
Concen: 9.901 ppbv
RT: 3.32 min Scan# 166
Delta R.T. 0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tgt Ion: 39 Resp: 922398
Ion Ratio Lower Upper
39 100
54 78.5 63.7 95.5





#17

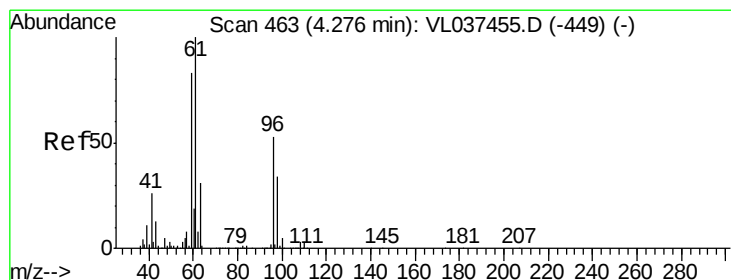
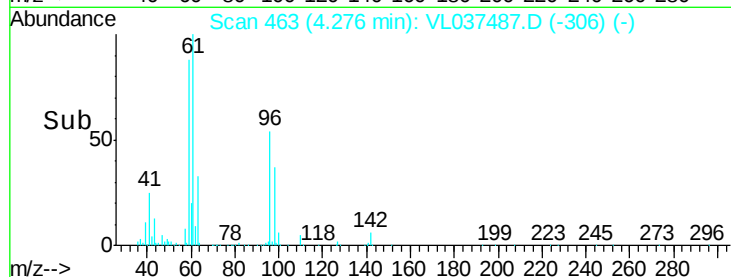
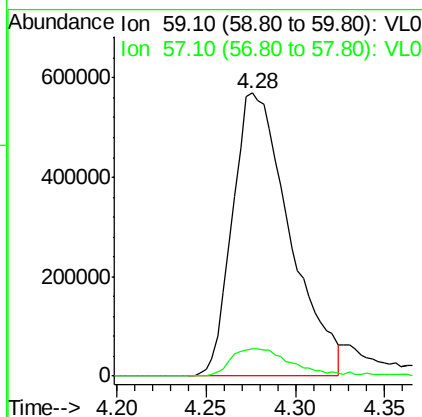
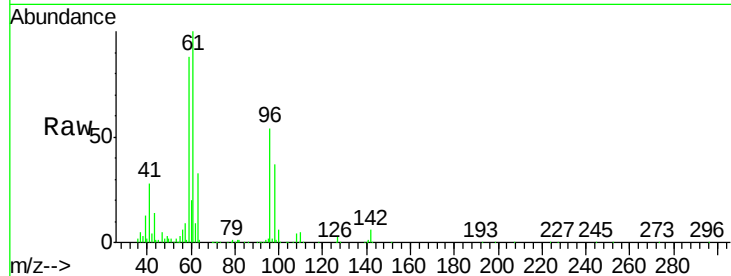
tert-Butyl alcohol
Concen: 9.560 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Instrument :
MSVOA_L
ClientSampleId :
VL0818ABS01

Tot Ion: 59 Resp: 1268368
Ion Ratio Lower Upper
59 100
57 11.1 8.3 12.5

Manual Integrations
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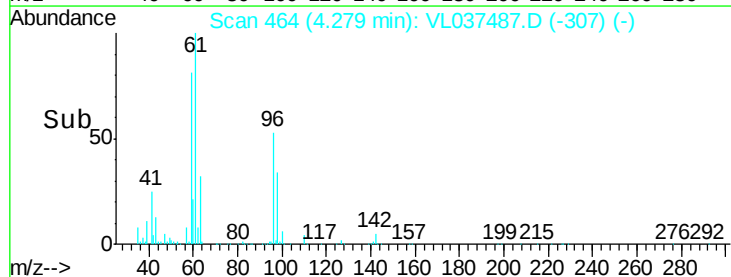
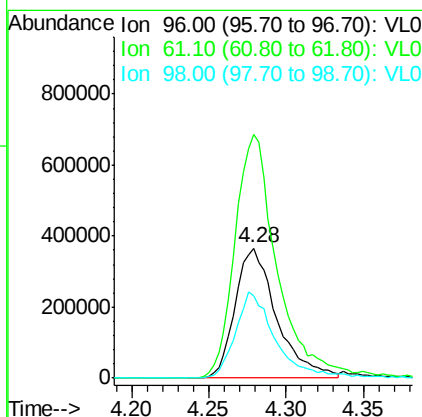
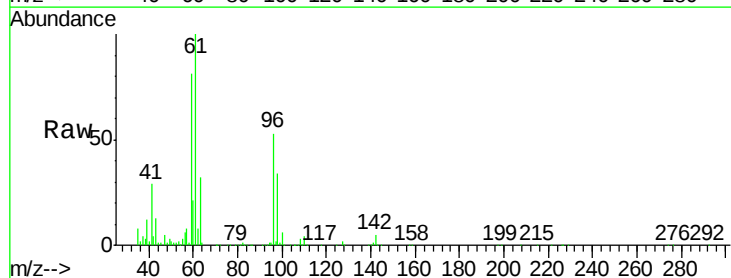
MMDadoda
8/19/2021 5:57:46 PM

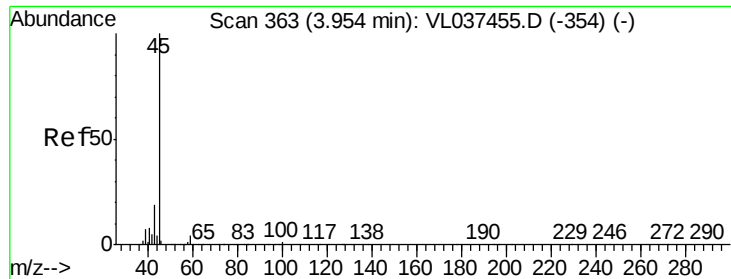


#18

1,1-Dichloroethene
Concen: 9.520 ppbv
RT: 4.28 min Scan# 464
Delta R.T. 0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tgt Ion: 96 Resp: 682059
Ion Ratio Lower Upper
96 100
61 186.9 151.1 226.7
98 62.7 51.8 77.8





#19

Isopropyl Alcohol

Concen: 9.104 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion: 45 Resp: 757475

Ion Ratio Lower Upper

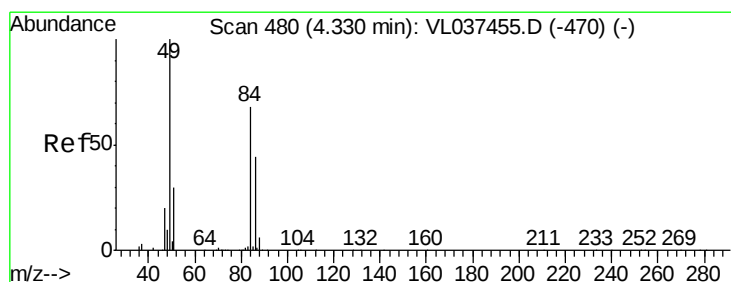
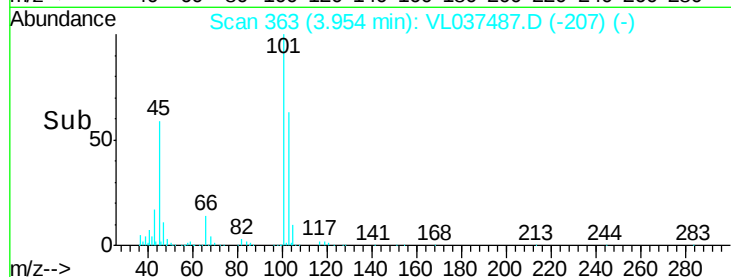
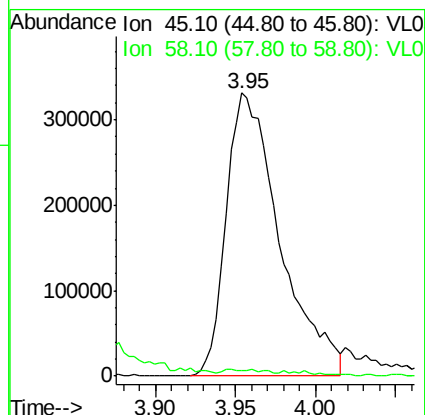
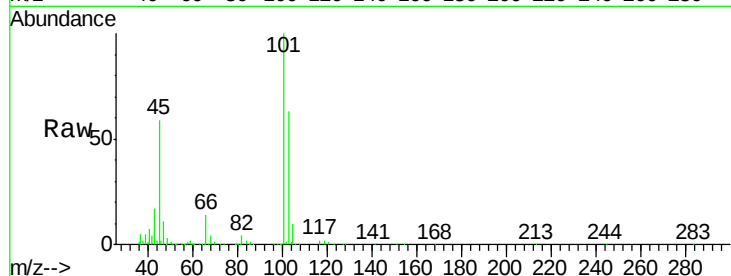
45 100

58 2.5 1.4 2.2#

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#20

Methylene Chloride

Concen: 8.056 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Tgt Ion: 84 Resp: 585757

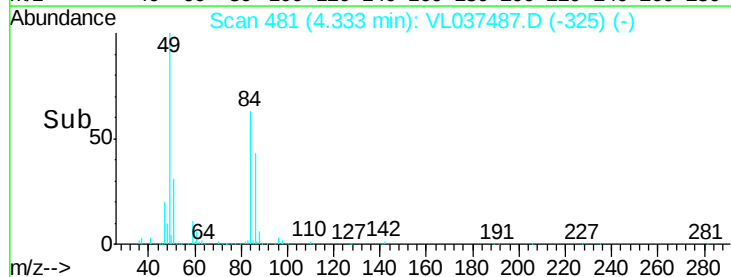
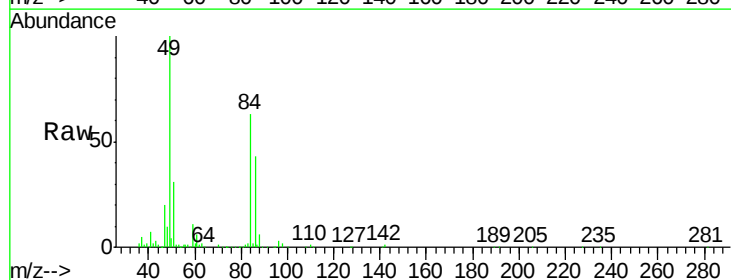
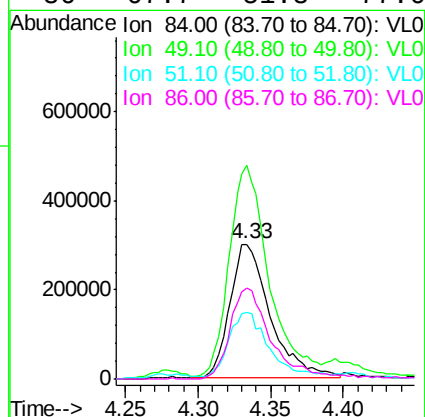
Ion Ratio Lower Upper

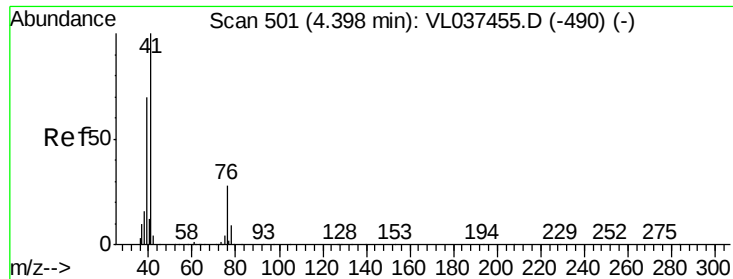
84 100

49 157.1 118.2 177.2

51 47.7 36.6 55.0

86 67.7 51.8 77.6





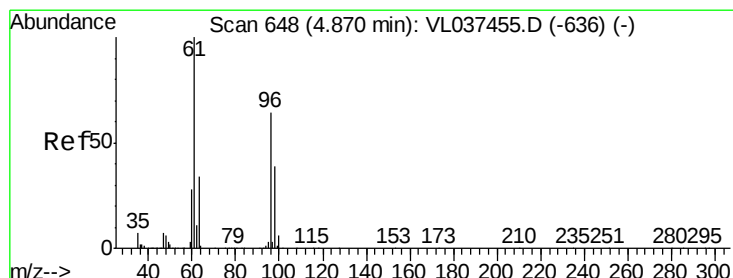
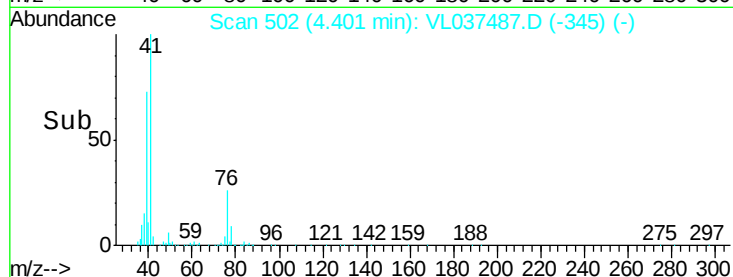
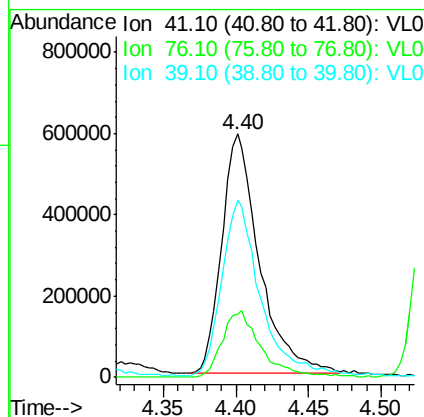
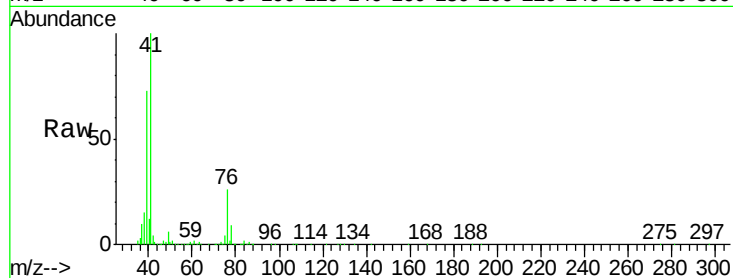
#21
Allvl Chloride
Concen: 9.043 ppbv
RT: 4.40 min Scan# 502
Delta R.T. 0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Instrument :
MSVOA_L
ClientSampleId :
VL0818ABS01

Tot Ion: 41 Resp: 1066716
Ion Ratio Lower Upper
41 100
76 28.9 21.8 32.6
39 76.1 56.8 85.2

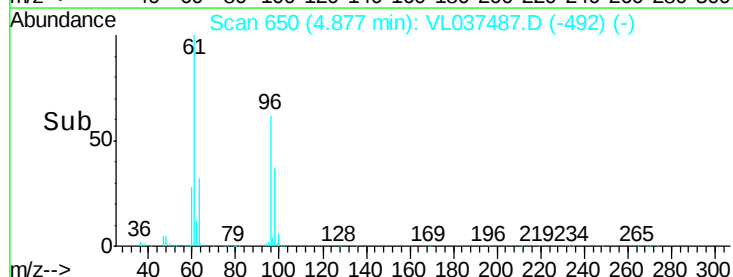
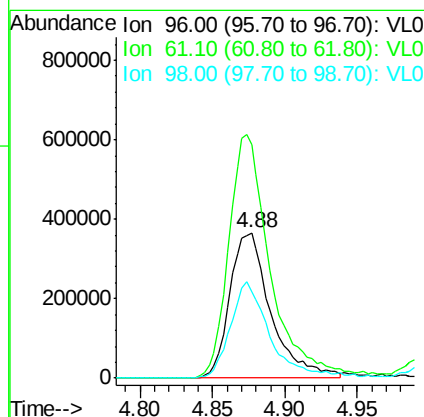
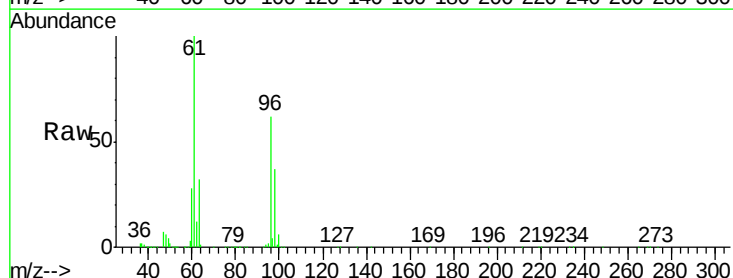
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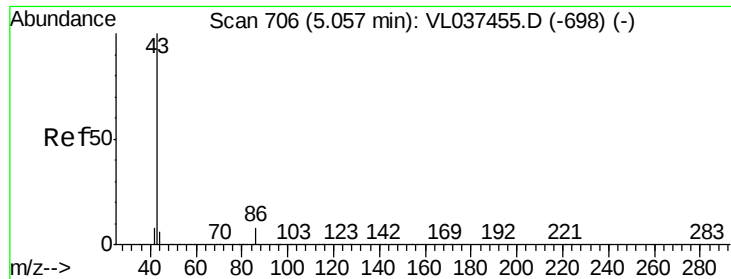
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#22
trans-1,2-Dichloroethene
Concen: 10.076 ppbv
RT: 4.88 min Scan# 650
Delta R.T. 0.01 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tgt Ion: 96 Resp: 720164
Ion Ratio Lower Upper
96 100
61 160.1 125.5 188.3
98 59.4 49.0 73.4





#23

Vinyl Acetate

Concen: 7.837 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion: 43 Resp: 1677572

Ion Ratio Lower Upper

43 100

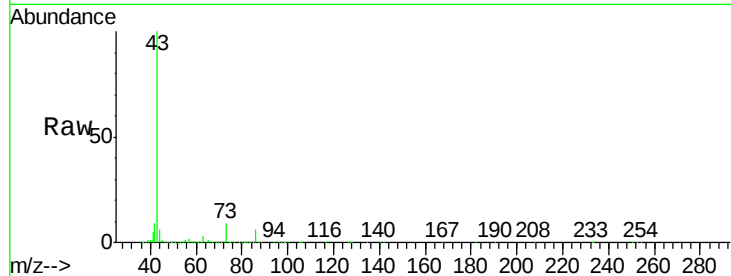
86 5.8 5.7 8.5

42 8.7 7.4 11.2

44 6.0 4.3 6.5

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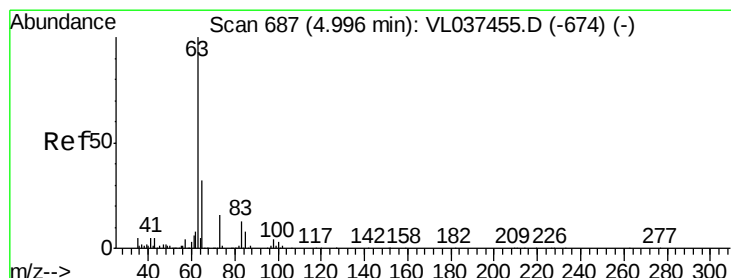
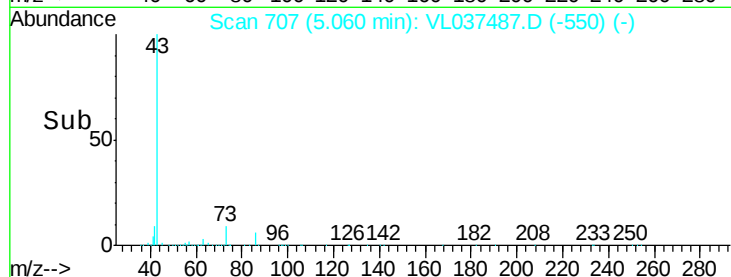
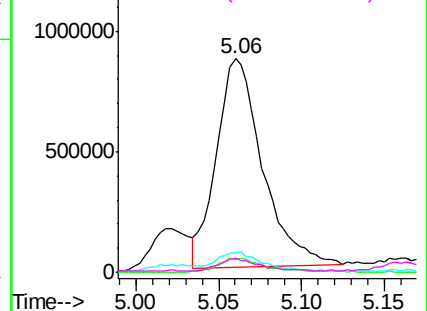


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.900 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

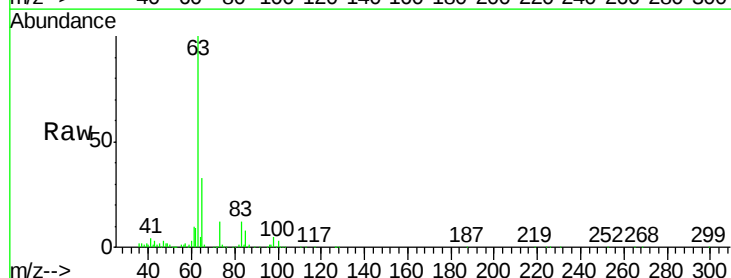
Tgt Ion: 63 Resp: 1381788

Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.3

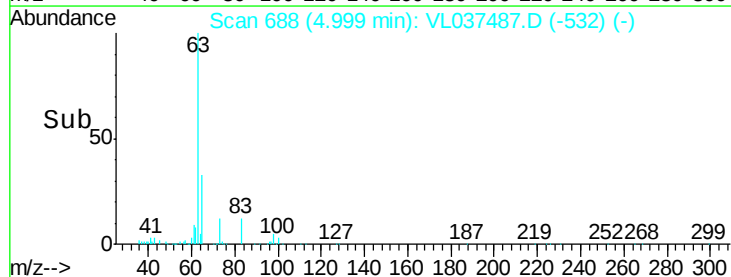
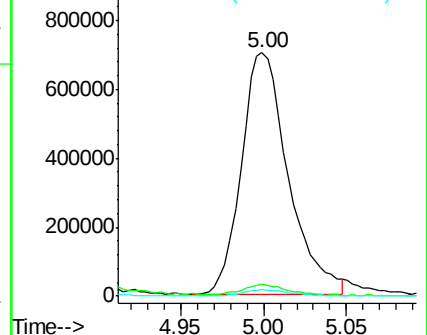
100 2.5 1.6 4.7

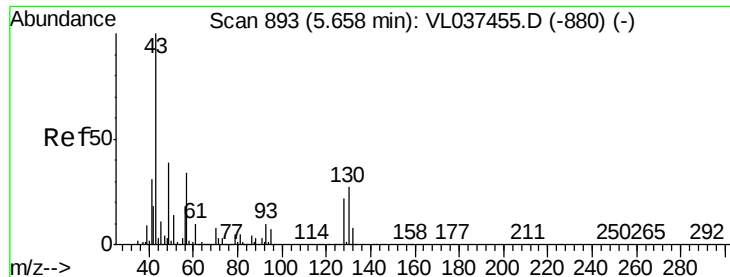


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





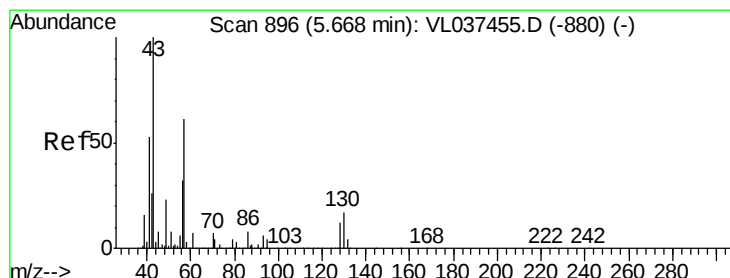
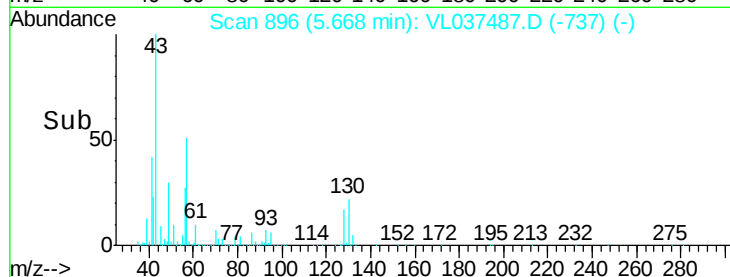
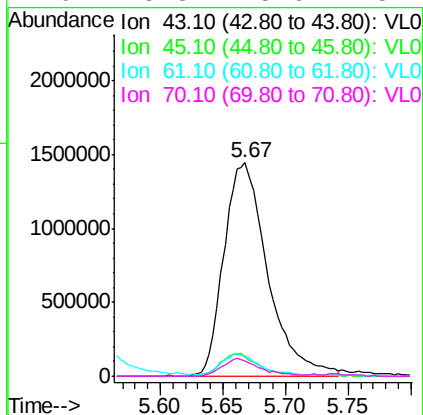
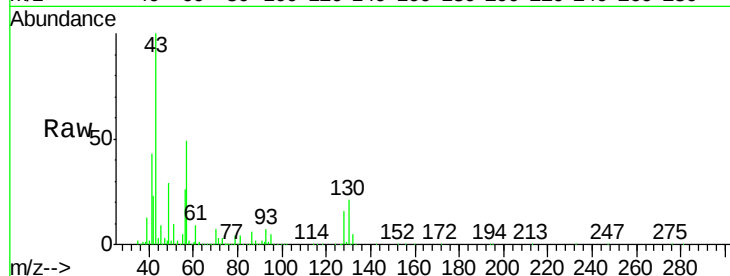
#25
Ethyl Acetate
Concen: 9.434 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Instrument :
MSVOA_L
ClientSampleId :
VL0818ABS01

Tot Ion	43	Resp	3478278
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	10.1	8.0	12.0
70	8.3	5.6	8.4

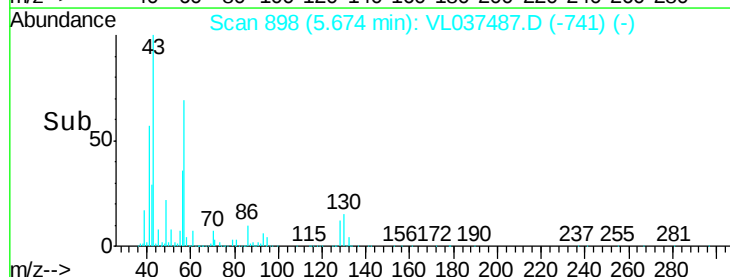
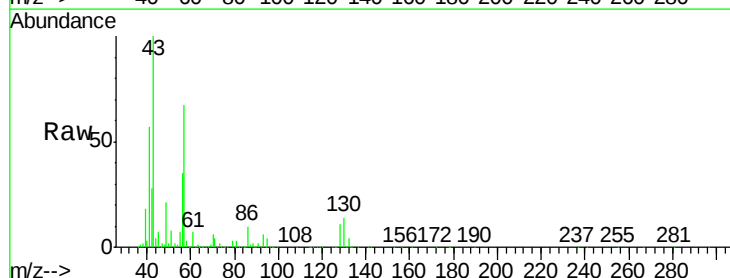
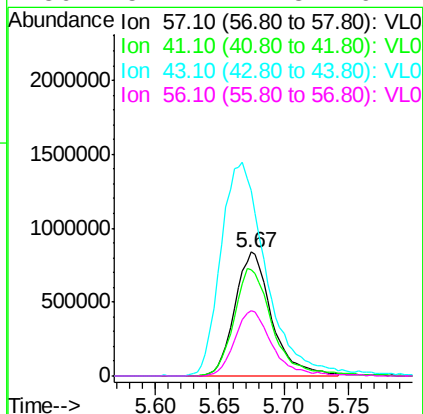
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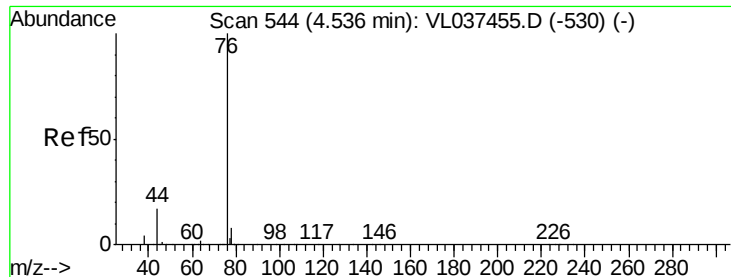
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#26
Hexane
Concen: 9.266 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tgt Ion	57	Resp	1670284
Ion	Ratio	Lower	Upper
57	100		
41	91.6	72.3	108.5
43	212.8	172.3	258.5
56	54.4	42.8	64.2





#27

Carbon Disulfide

Concen: 10.608 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion: 76 Resp: 1704220

Ion Ratio Lower Upper

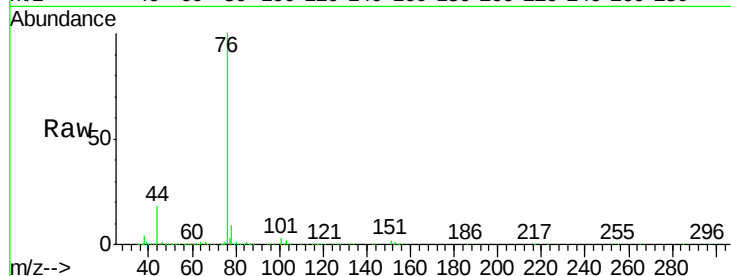
76 100

44 18.4 13.9 20.9

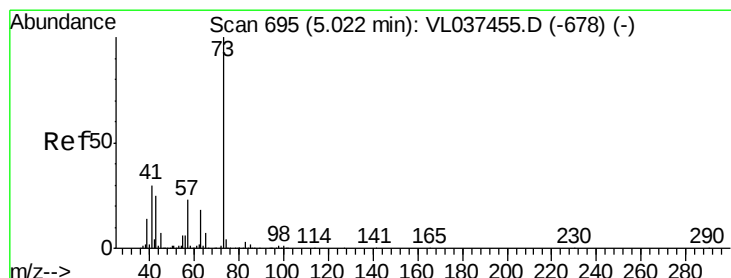
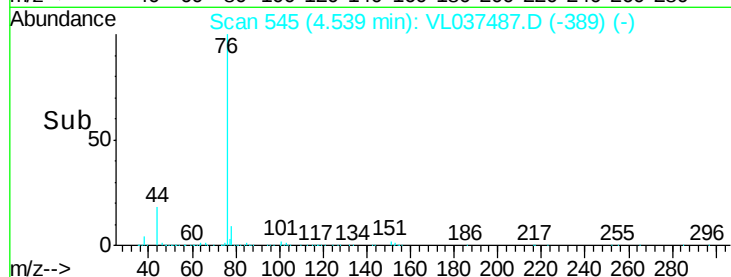
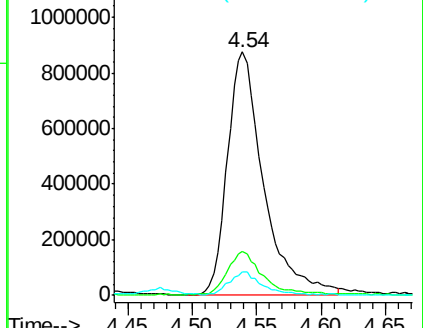
78 8.7 7.9 11.9

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: 8.516 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL037487.D

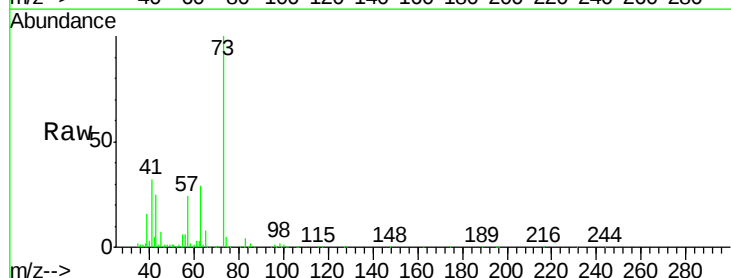
Acq: 18 Aug 2021 11:44

Tgt Ion: 73 Resp: 1474330

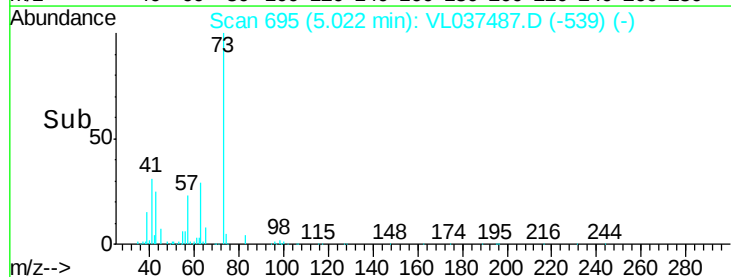
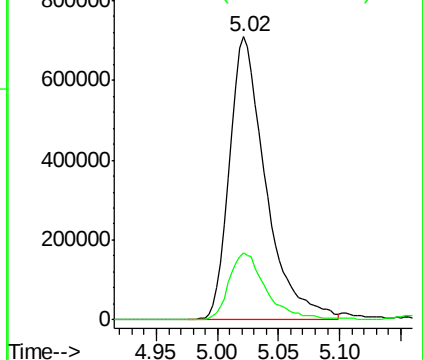
Ion Ratio Lower Upper

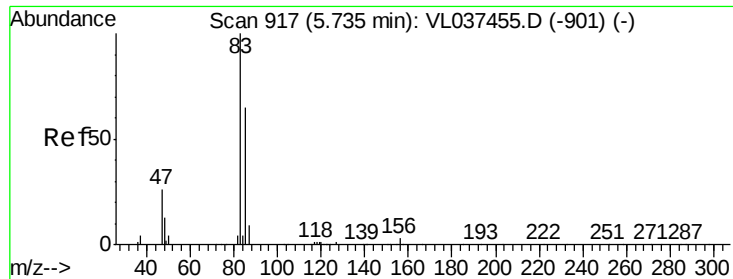
73 100

57 24.3 19.4 29.2



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





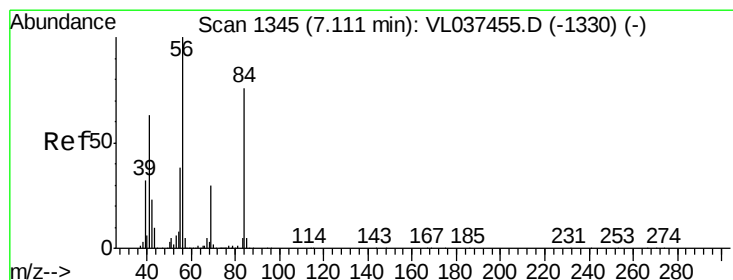
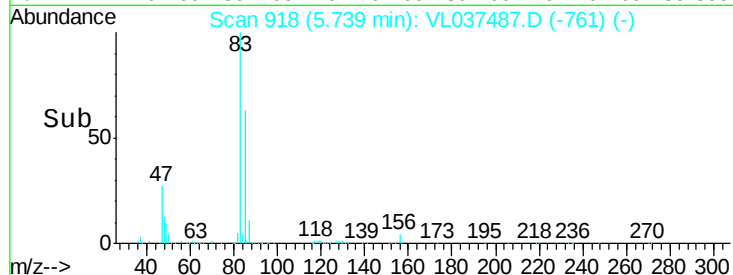
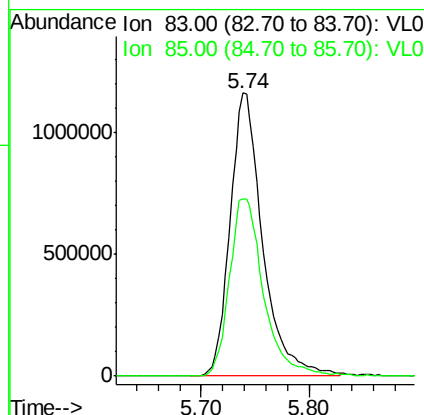
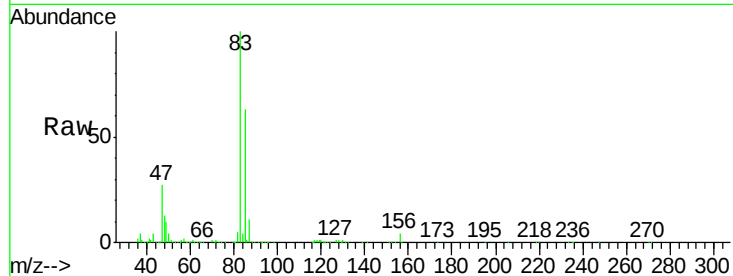
#29
Chloroform
Concen: 9.593 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Instrument :
MSVOA_L
ClientSampleId :
VL0818ABS01

Tot Ion: 83 Resp: 2450602
Ion Ratio Lower Upper
83 100
85 62.4 52.3 78.5

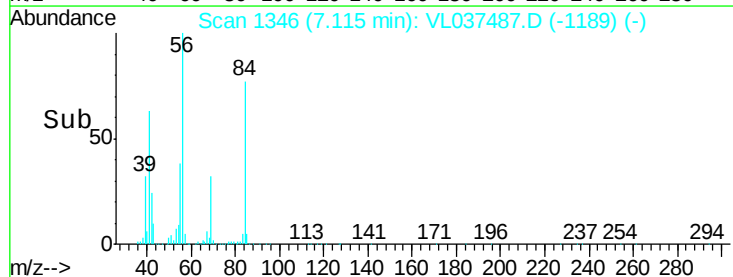
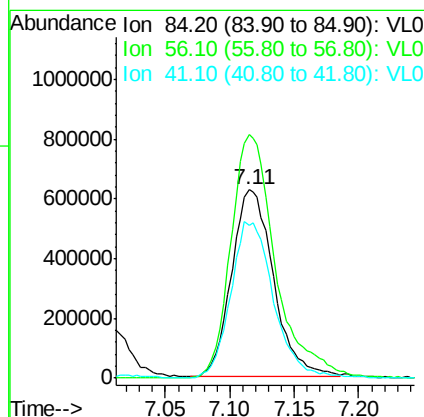
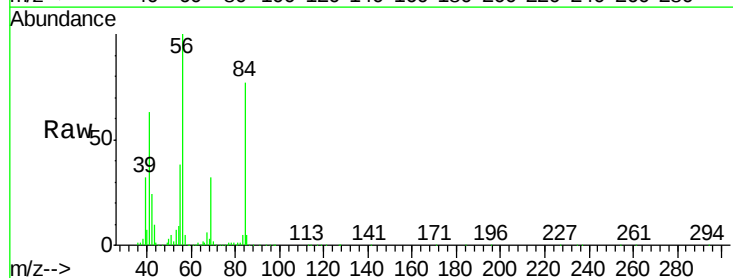
Manual Integrations
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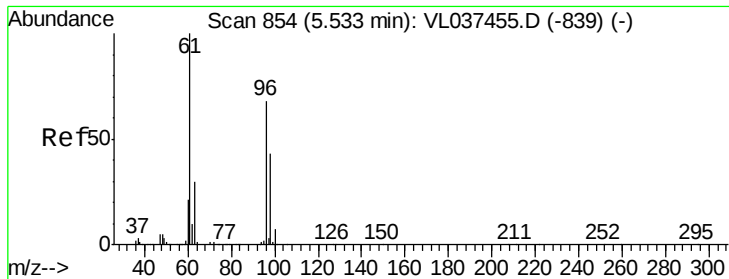
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8/19/2021 5:57:46 PM



#30
Cyclohexane
Concen: 9.475 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tgt Ion: 84 Resp: 1423112
Ion Ratio Lower Upper
84 100
56 138.4 110.6 165.8
41 84.9 67.0 100.6





#31

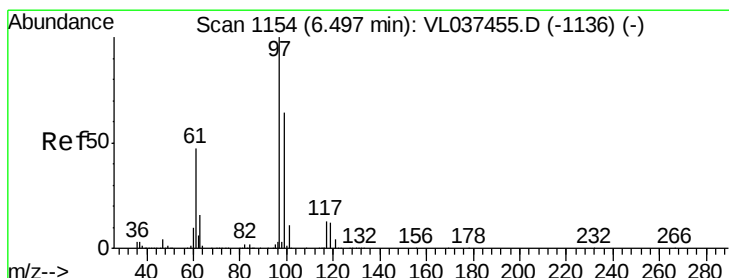
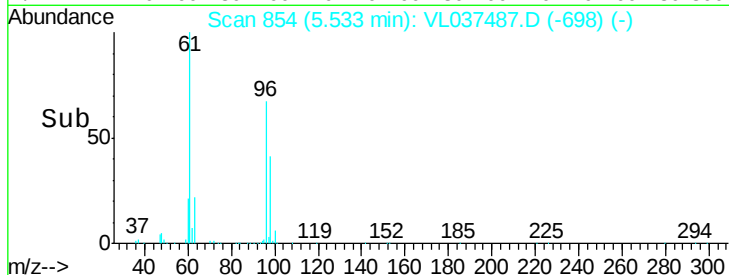
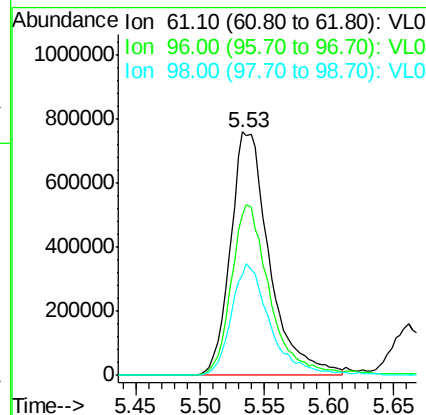
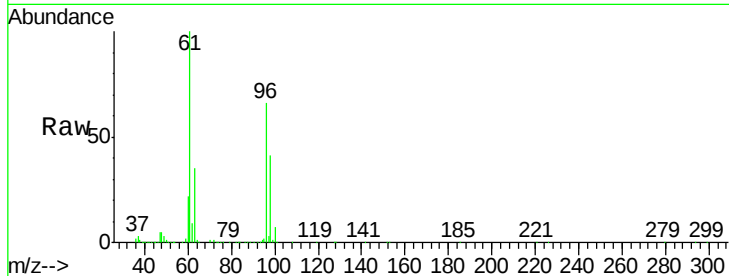
cis-1,2-Dichloroethene
Concen: 9.748 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Instrument :
MSVOA_L
ClientSampleId :
VL0818ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	65.8	54.8	82.2
98	40.9	34.2	51.2

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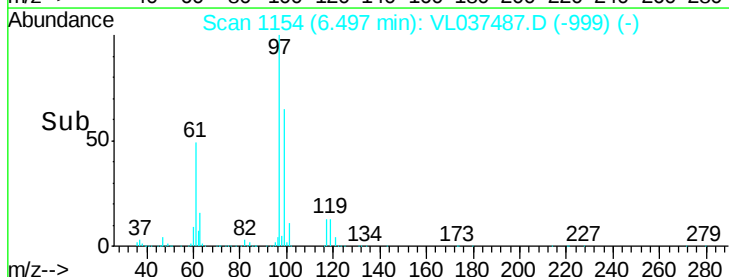
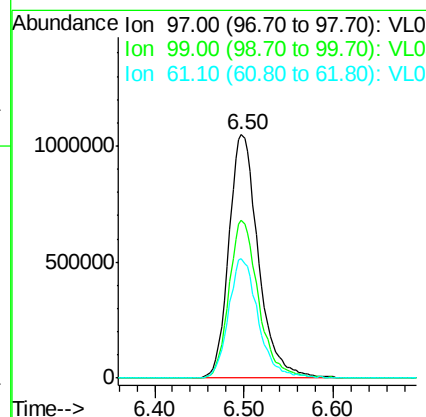
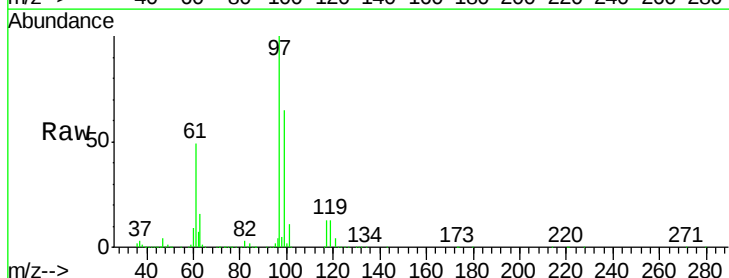
MMDadoda
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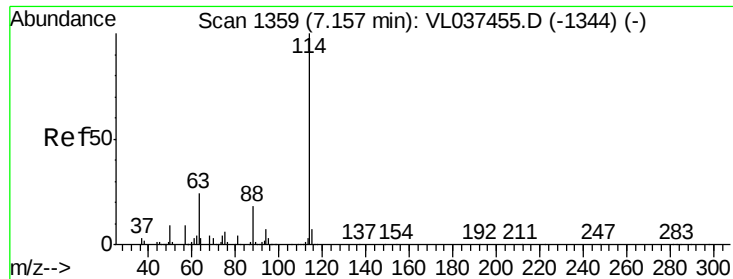


#32

1,1,1-Trichloroethane
Concen: 9.595 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.6
61	49.3	39.6	59.4





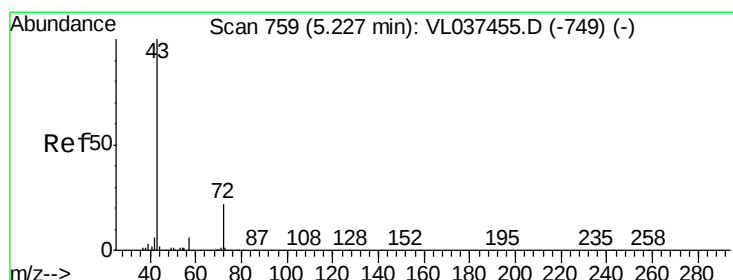
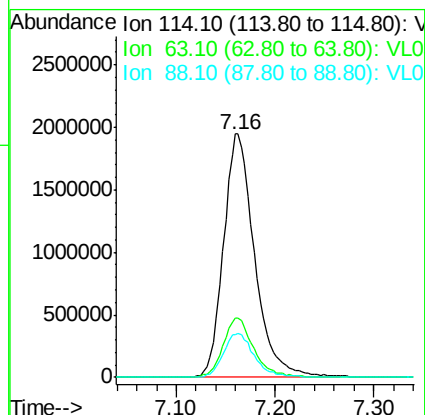
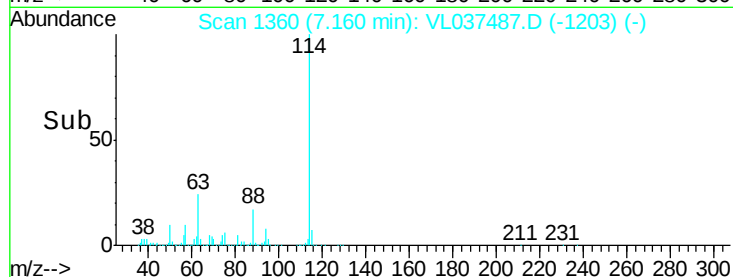
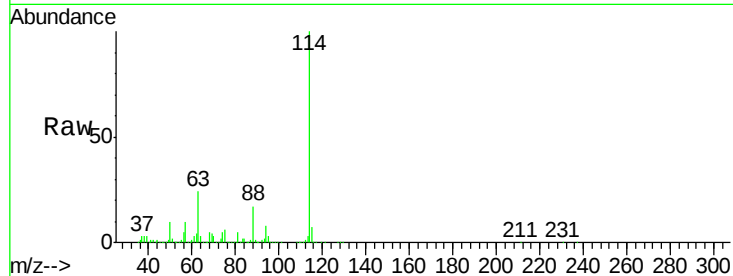
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0818ABS01

Tot Ion:114 Resp: 4291633
 Ion Ratio Lower Upper
 114 100
 63 24.4 19.3 28.9
 88 18.1 14.2 21.4

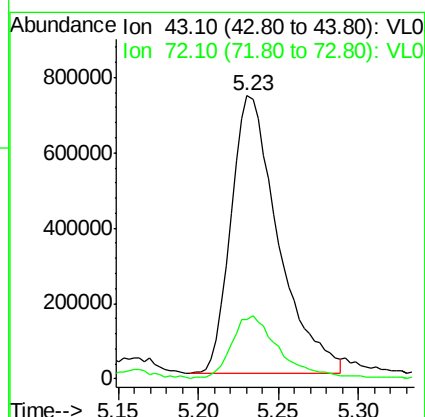
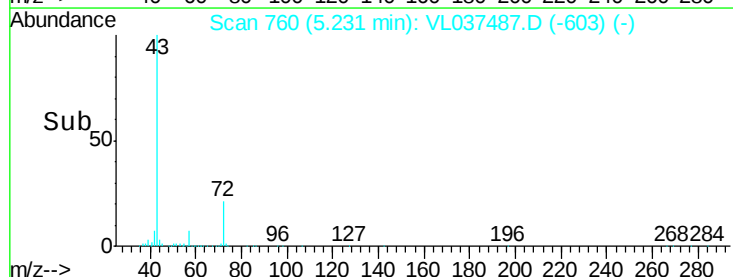
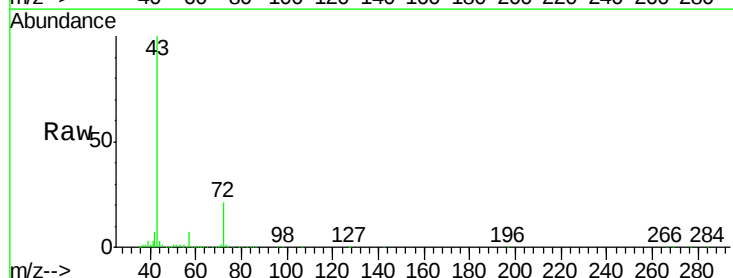
Manual Integrations
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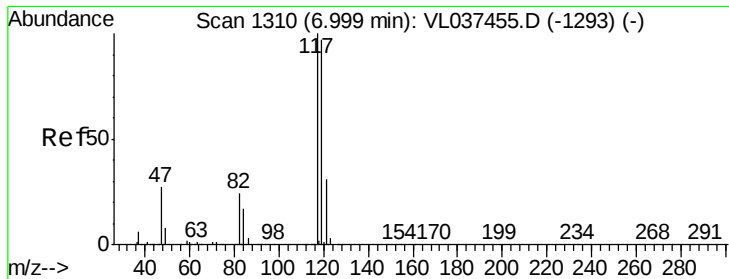
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#34
 2-Butanone
 Concen: 8.489 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Tgt Ion: 43 Resp: 1487642
 Ion Ratio Lower Upper
 43 100
 72 23.8 17.4 26.0





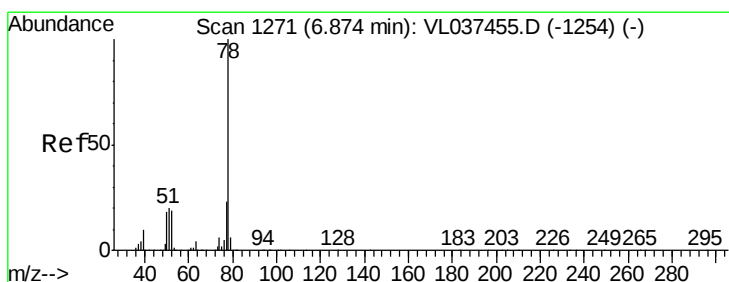
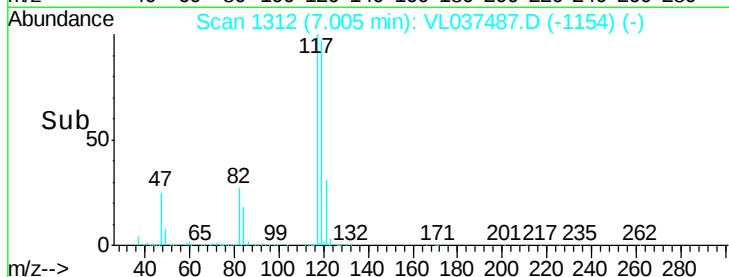
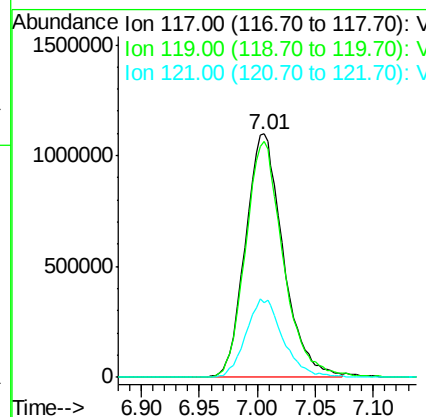
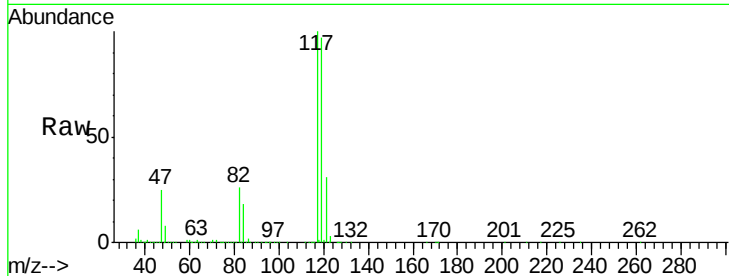
#35
Carbon Tetrachloride
Concen: 9.819 ppbv
RT: 7.01 min Scan# 1312
Delta R.T. 0.01 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Instrument :
MSVOA_L
ClientSampleId :
VL0818ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.3	115.9
121	30.8	25.2	37.8

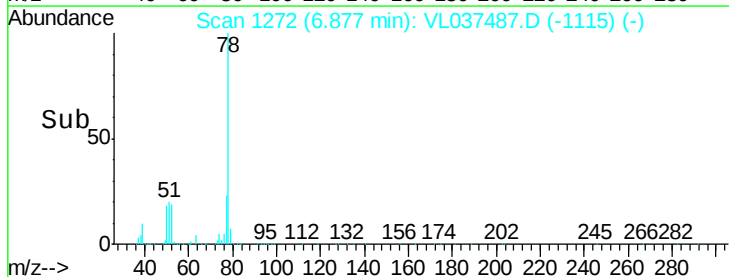
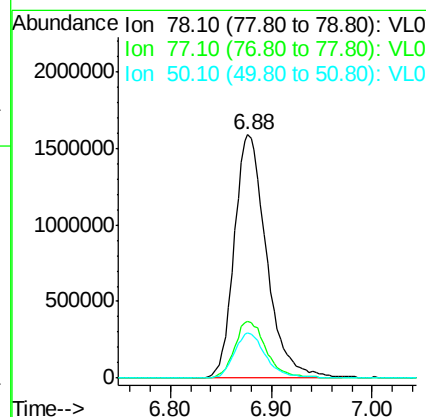
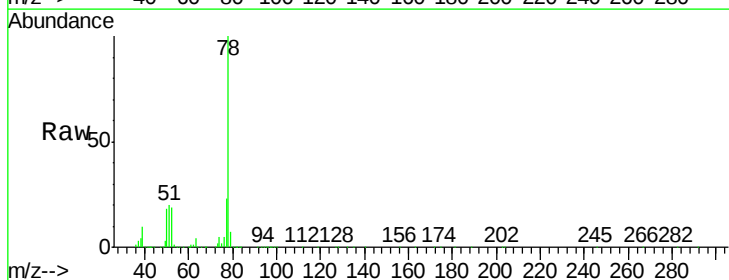
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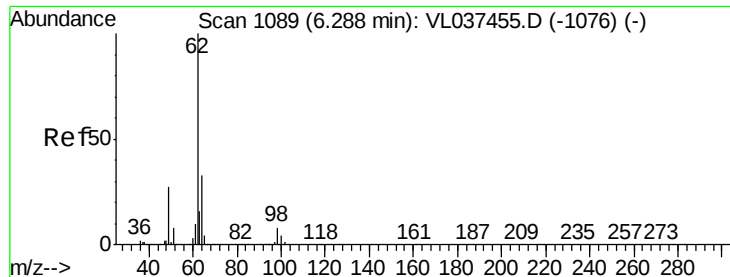
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#36
Benzene
Concen: 9.777 ppbv
RT: 6.88 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.2	27.4
50	18.3	14.6	21.8





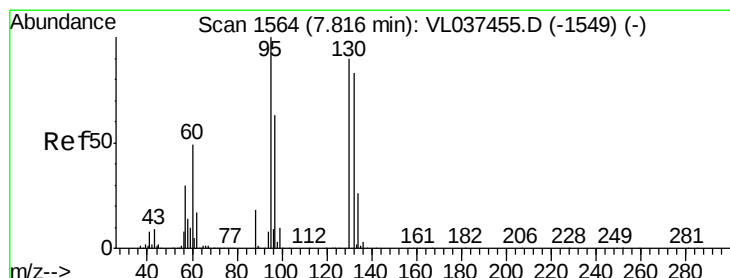
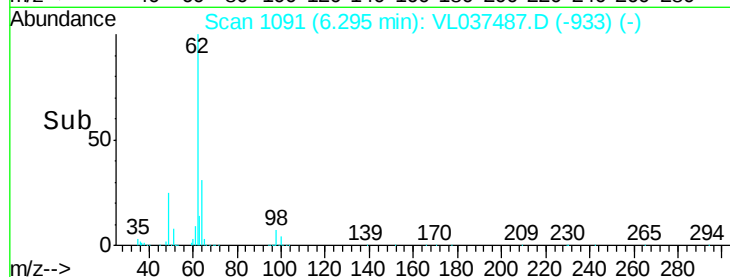
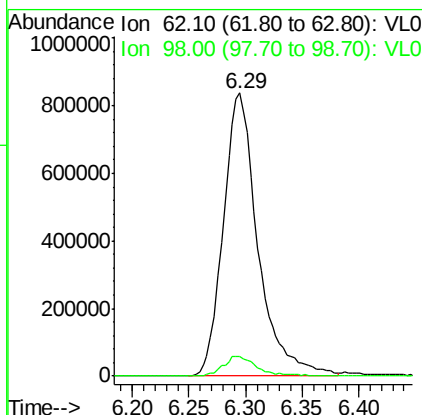
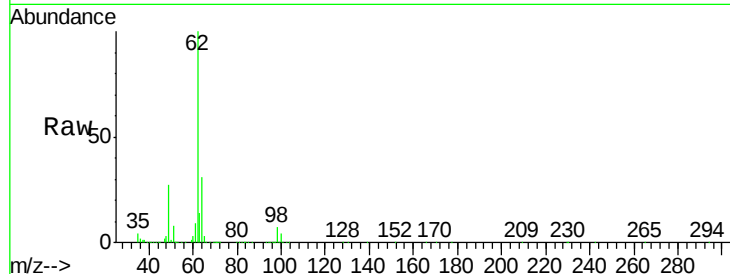
#37
 1,2-Dichloroethane
 Concen: 9.977 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0818ABS01

Tot Ion: 62 Resp: 1782939
 Ion Ratio Lower Upper
 62 100
 98 7.0 6.0 9.0

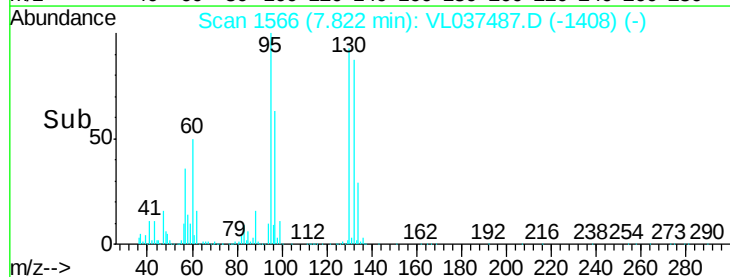
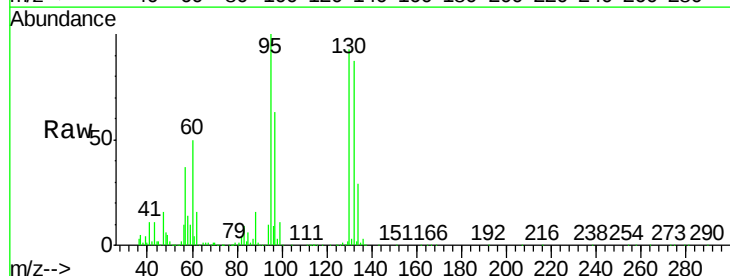
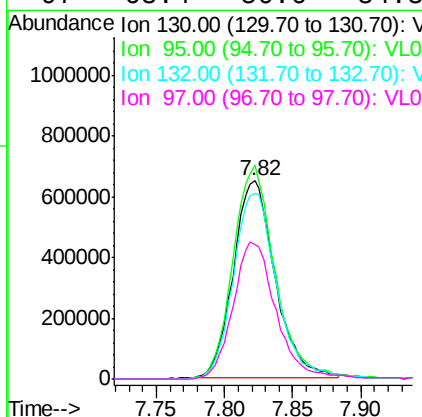
Manual Integrations
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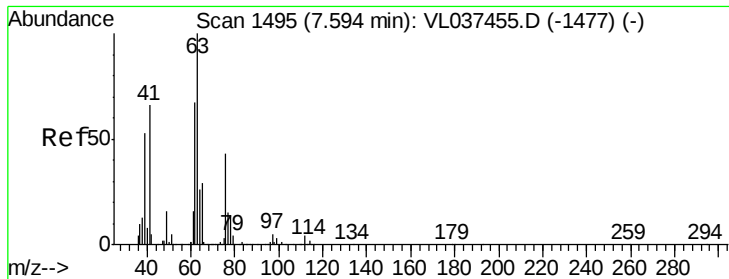
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#38
 Trichloroethene
 Concen: 9.362 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Tgt Ion: 130 Resp: 1385830
 Ion Ratio Lower Upper
 130 100
 95 108.3 89.2 133.8
 132 94.0 74.0 111.0
 97 68.4 56.6 84.8





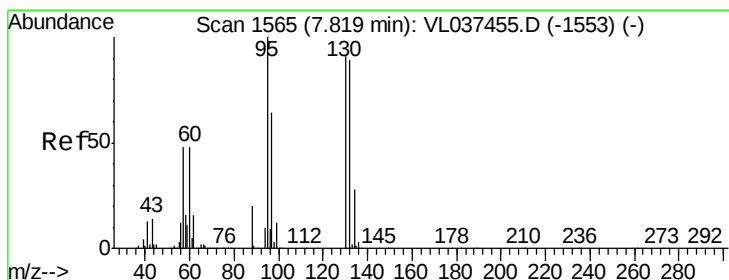
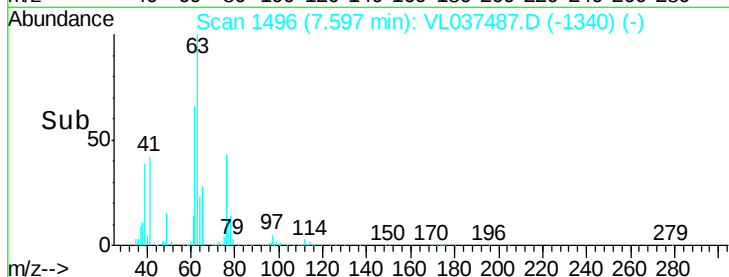
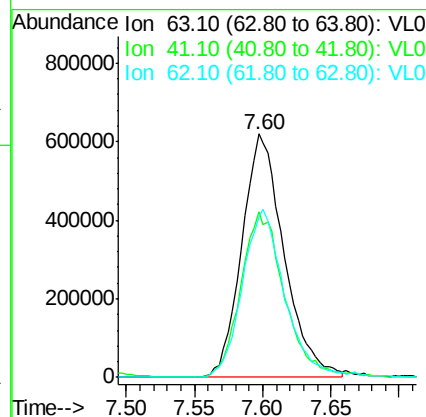
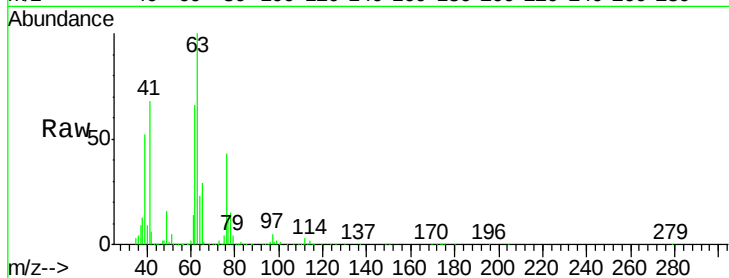
#39
 1,2-Dichloropropane
 Concen: 9.559 ppbv
 RT: 7.60 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0818ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	67.5	52.4	78.6
62	65.6	53.6	80.4

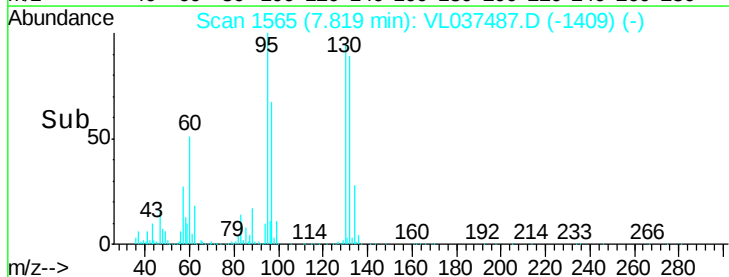
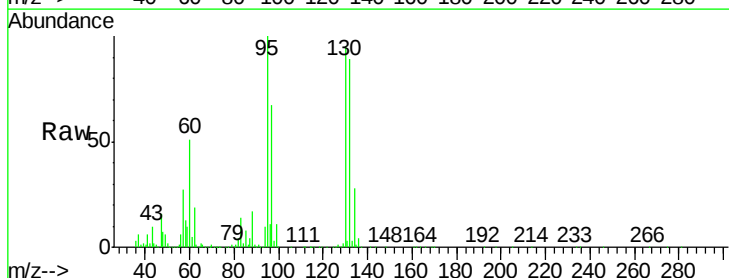
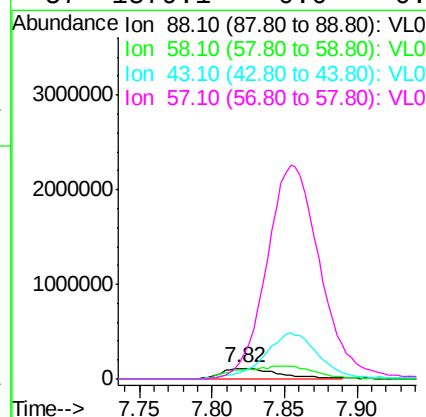
Manual Integrations
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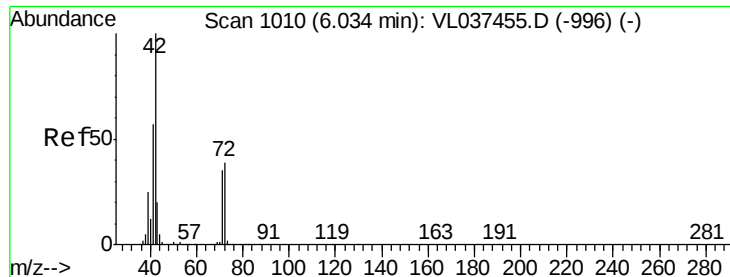
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#40
 1,4-Dioxane
 Concen: 9.130 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Tgt Ion	Ratio	Lower	Upper
88	100		
58	165.0	0.0	0.0#
43	417.1	0.0	0.0#
57	1879.1	0.0	0.0#





#41

Tetrahydrofuran

Concen: 9.537 ppbv

RT: 6.04 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

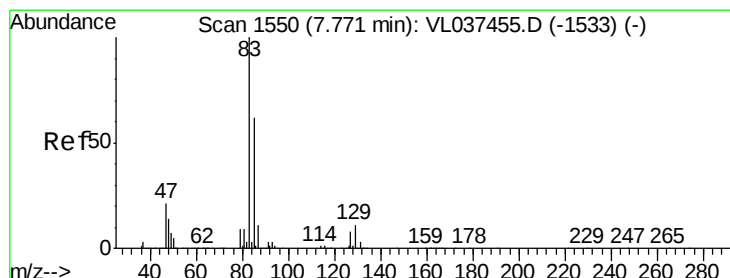
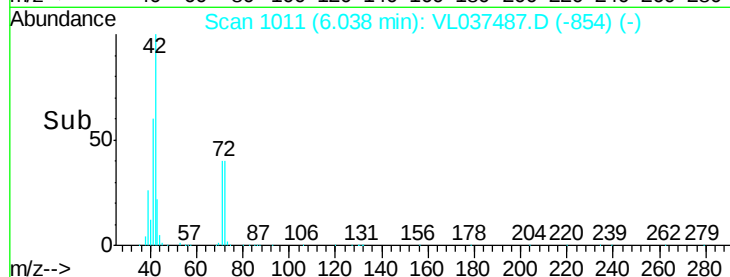
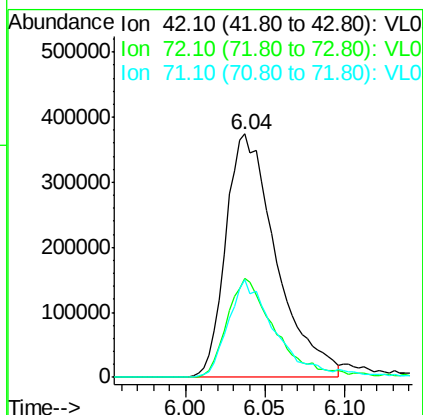
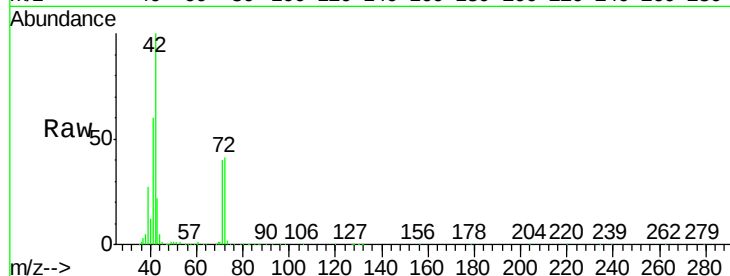
ClientSampleId :

VL0818ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	32.2	48.4
71	38.7	30.5	45.7

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.030 ppbv

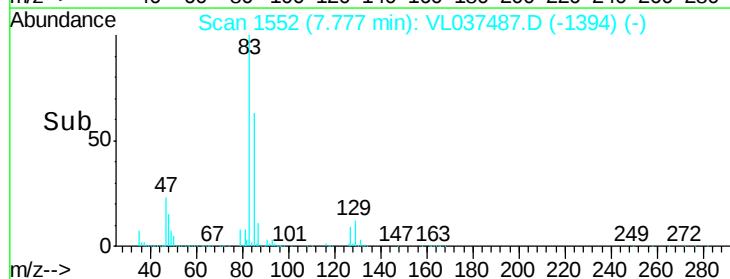
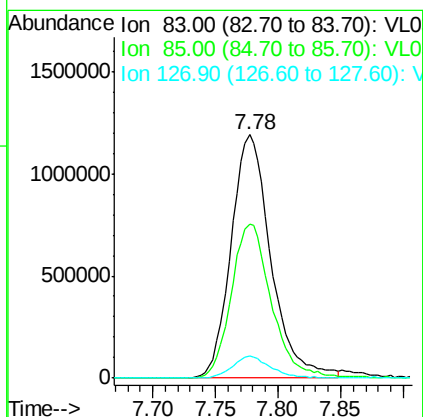
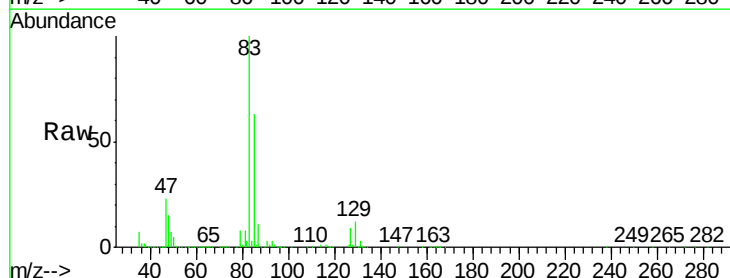
RT: 7.78 min Scan# 1552

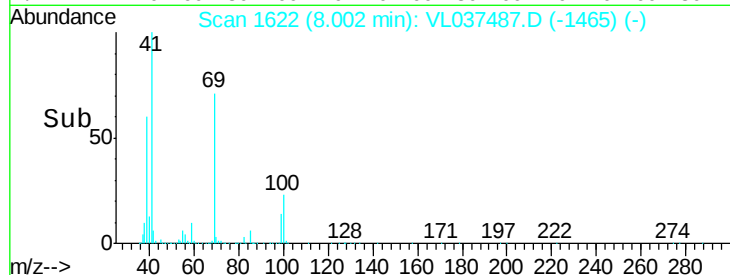
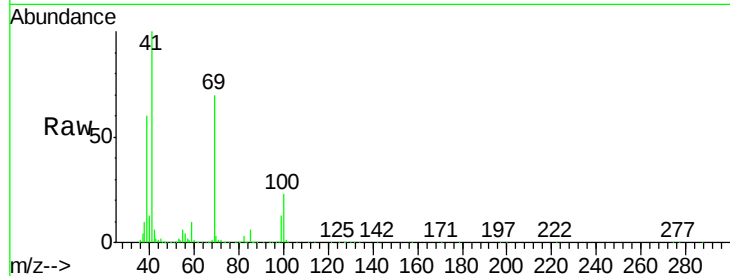
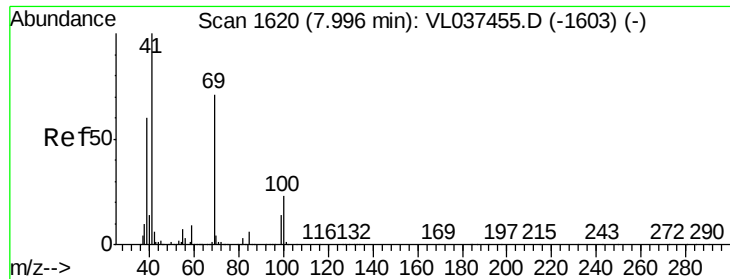
Delta R.T. 0.01 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	49.5	74.3
127	8.9	6.3	9.5





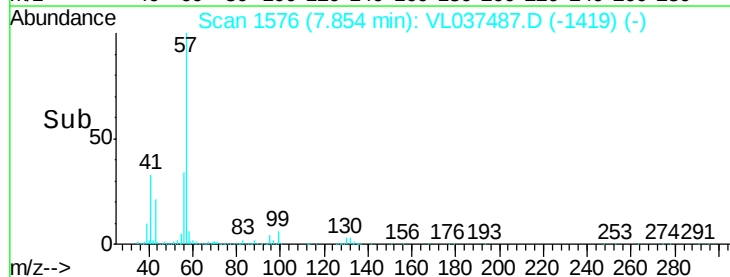
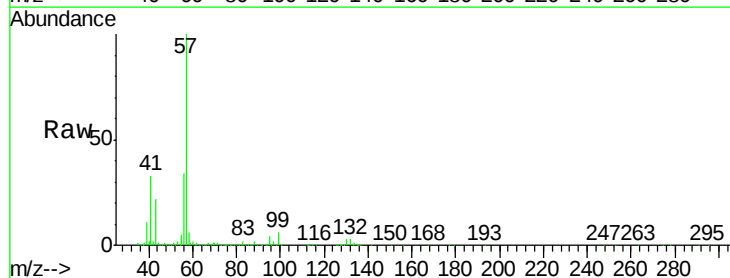
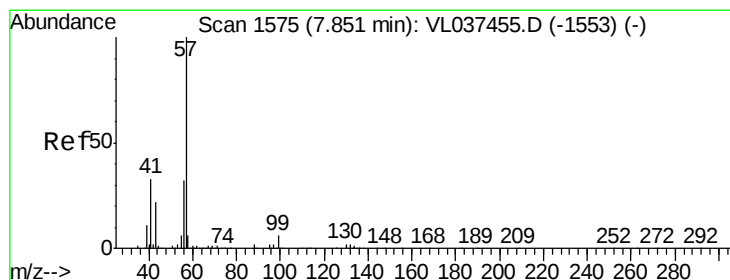
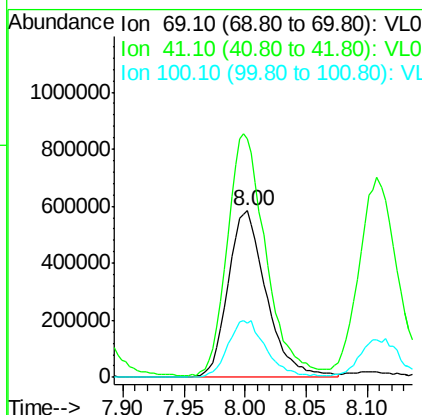
#43
Methvl Methacrylate
Concen: 10.150 ppbv
RT: 8.00 min Scan# 1622
Delta R.T. 0.01 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tot Ion: 69 Resp: 1276335
Ion Ratio Lower Upper
69 100
41 148.4 118.6 178.0
100 34.2 27.4 41.0

Instrument :
MSVOA_L
ClientSampleId :
VL0818ABS01

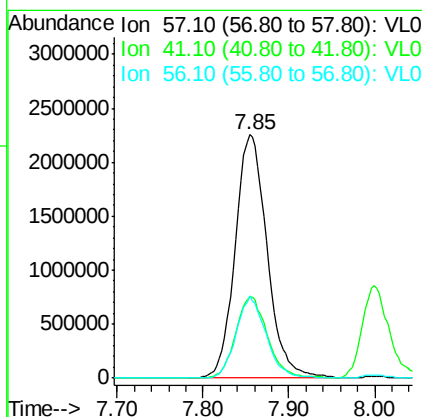
Manual Integrations
APPROVED

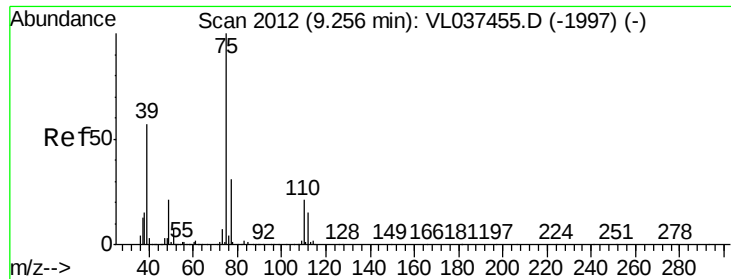
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#44
2,2,4-Trimethylpentane
Concen: 9.579 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tgt Ion: 57 Resp: 5816125
Ion Ratio Lower Upper
57 100
41 33.3 26.2 39.4
56 31.5 25.4 38.2





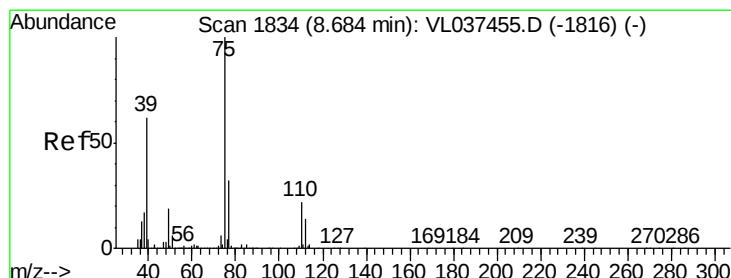
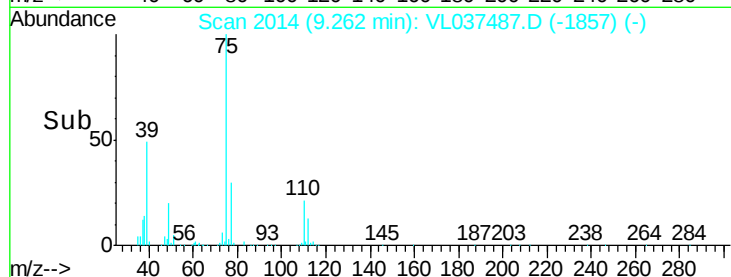
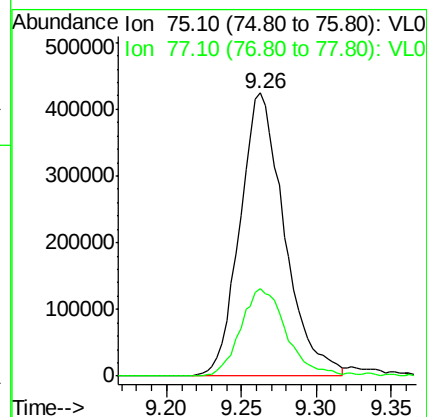
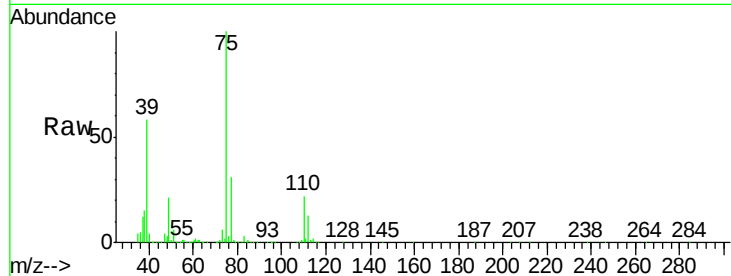
#45
t-1,3-Dichloropropene
Concen: 9.191 ppbv
RT: 9.26 min Scan# 2014
Delta R.T. 0.01 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Instrument :
MSVOA_L
ClientSampleId :
VL0818ABS01

Tot Ion: 75 Resp: 869977
Ion Ratio Lower Upper
75 100
77 30.9 24.5 36.7

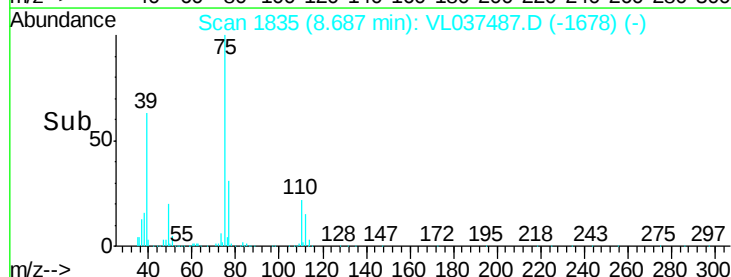
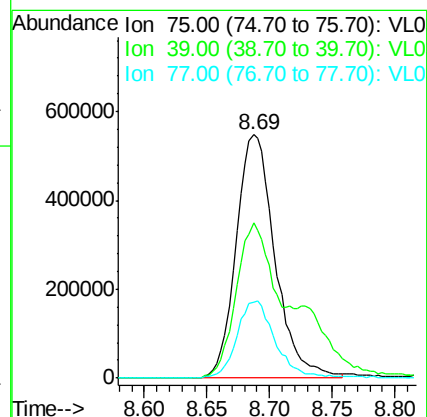
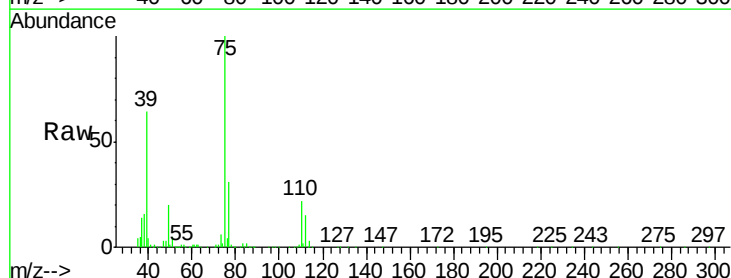
Manual Integrations
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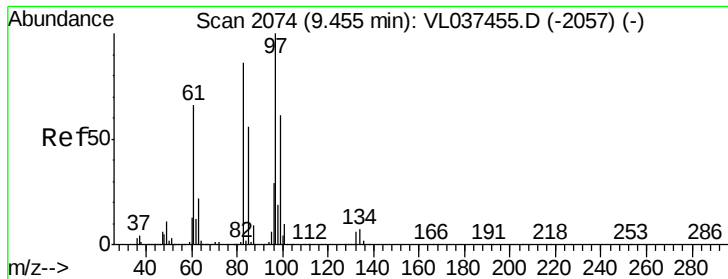
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 8.955 ppbv
RT: 8.69 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tgt Ion: 75 Resp: 1182512
Ion Ratio Lower Upper
75 100
39 63.5 49.7 74.5
77 31.4 25.4 38.0





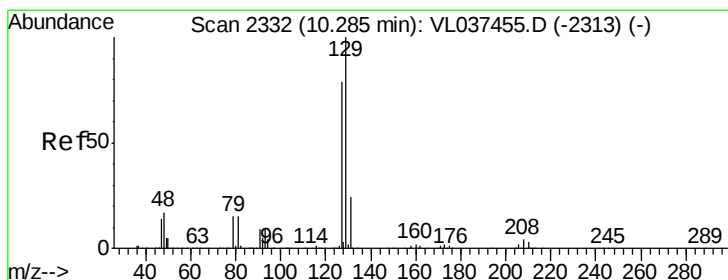
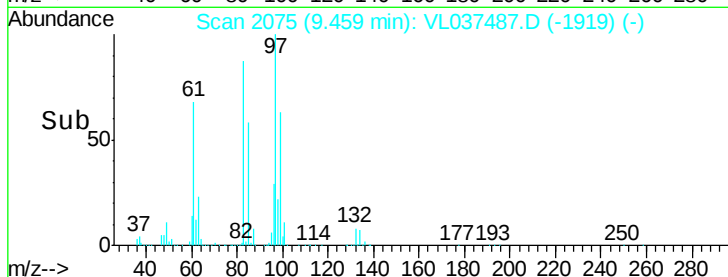
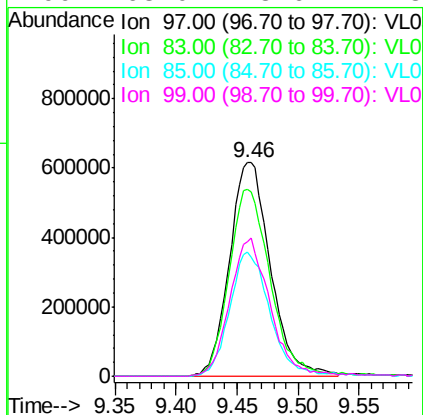
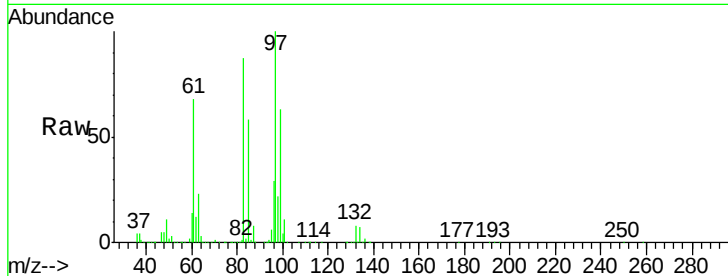
#47
 1,1,2-Trichloroethane
 Concen: 9.538 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0818ABS01

Tot Ion: 97 Resp: 1428680
 Ion Ratio Lower Upper
 97 100
 83 87.2 68.7 103.1
 85 58.0 44.7 67.1
 99 63.0 48.6 72.8

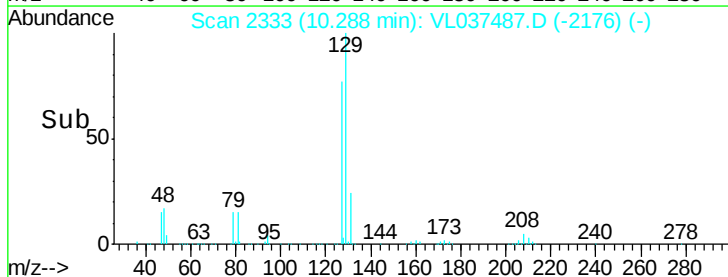
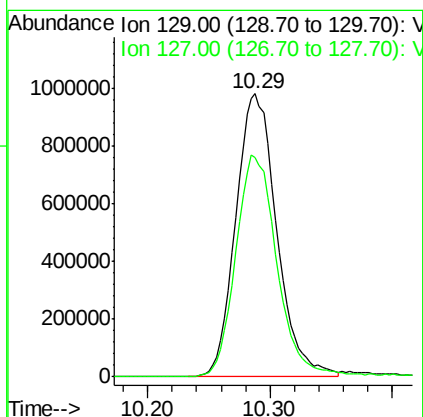
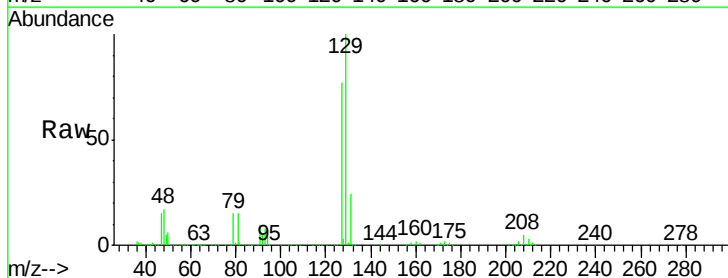
Manual Integrations
 APPROVED

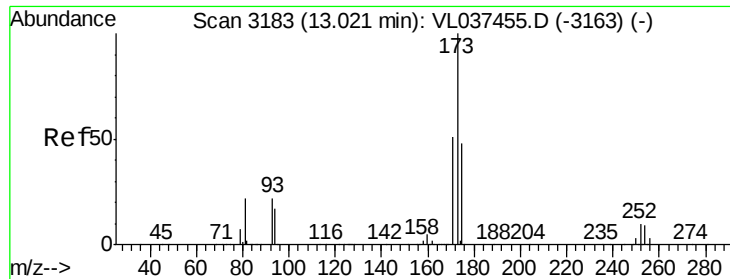
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.596 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Tgt Ion: 129 Resp: 2284193
 Ion Ratio Lower Upper
 129 100
 127 79.9 40.0 120.0





#49

Bromoform

Concen: 10.930 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion:173 Resp: 1857225

Ion Ratio Lower Upper

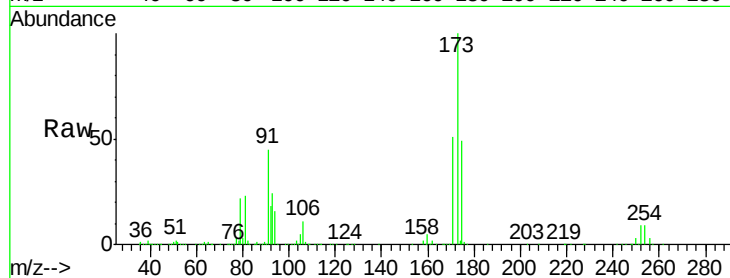
173 100

175 52.3 41.9 62.9

171 53.7 44.2 66.4

Manual Integrations
APPROVED

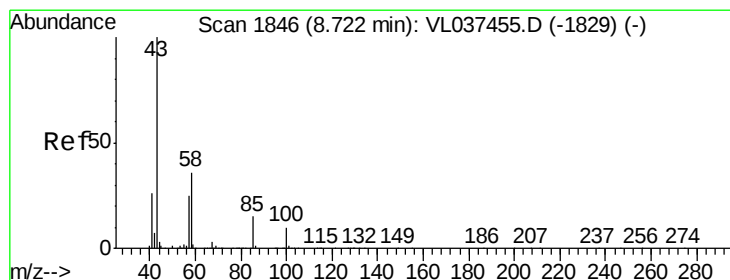
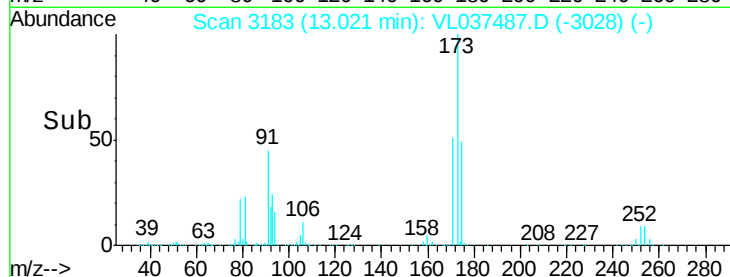
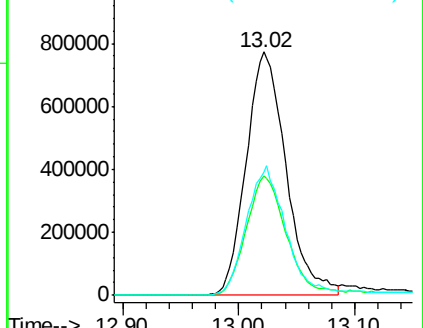
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.039 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VL037487.D

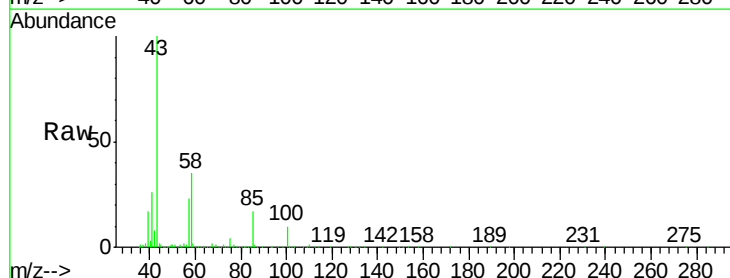
Acq: 18 Aug 2021 11:44

Tgt Ion: 43 Resp: 2295311

Ion Ratio Lower Upper

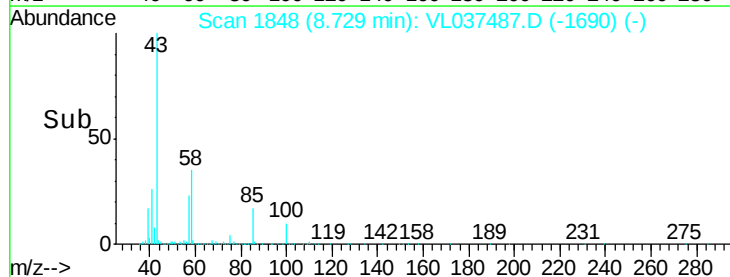
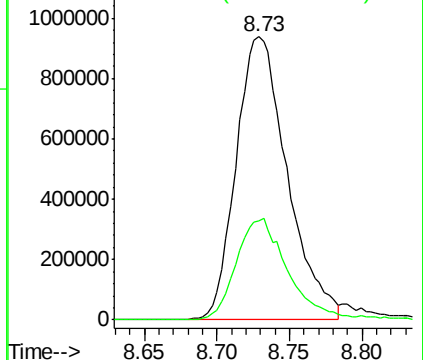
43 100

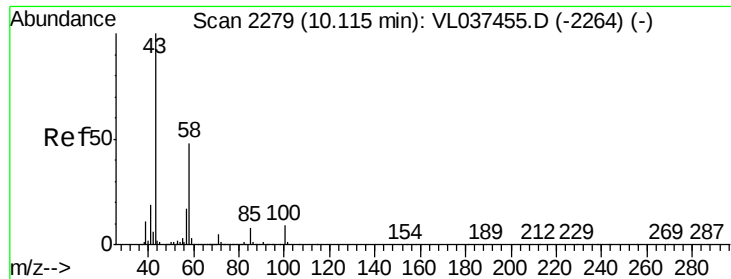
58 36.9 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.633 ppbv

RT: 10.12 min Scan# 2282

Delta R.T. 0.01 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion: 43 Resp: 1118186

Ion Ratio Lower Upper

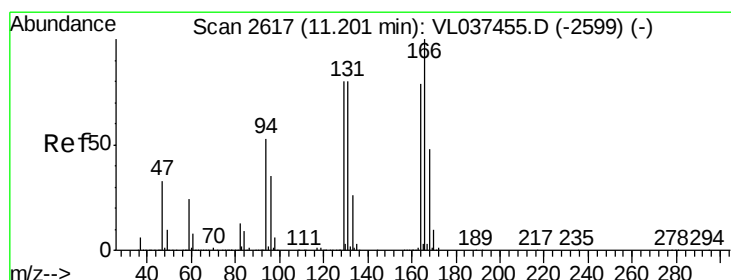
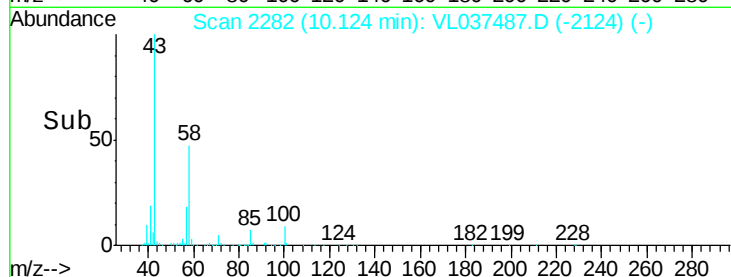
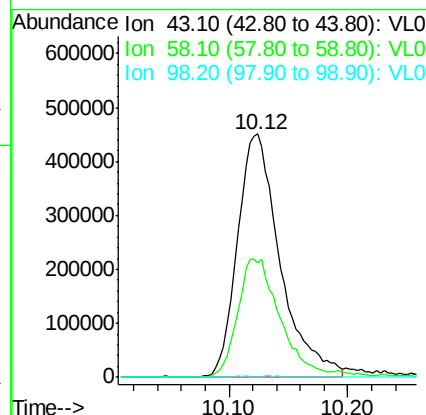
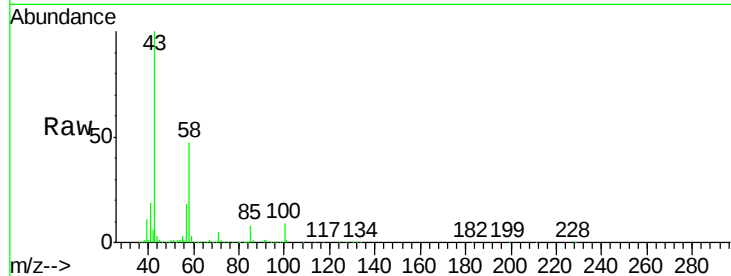
43 100

58 50.4 41.0 61.6

98 0.7 0.3 0.5#

Manual Integrations
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#52

Tetrachloroethene

Concen: 8.926 ppbv

RT: 11.20 min Scan# 2618

Delta R.T. 0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Tgt Ion: 164 Resp: 1319630

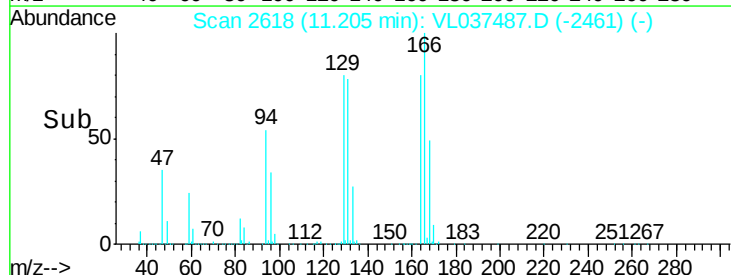
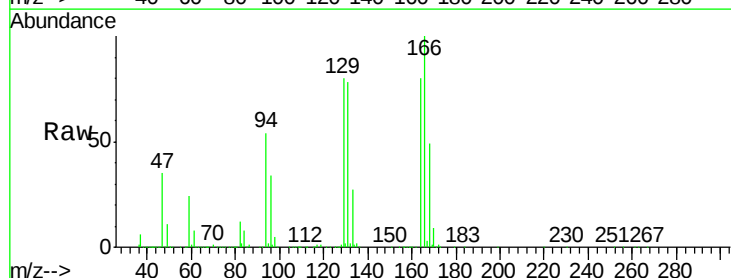
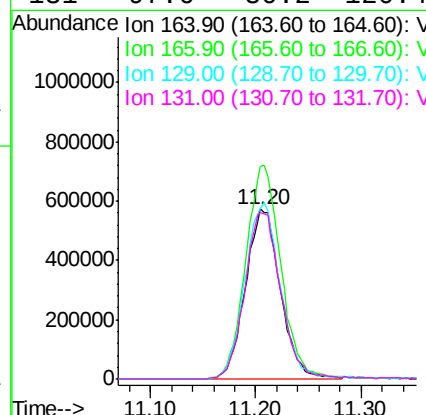
Ion Ratio Lower Upper

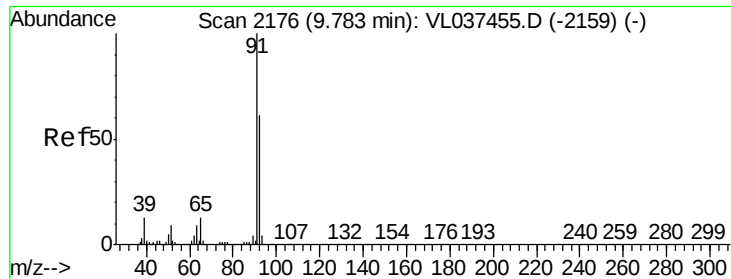
164 100

166 125.0 100.7 151.1

129 99.8 80.9 121.3

131 97.6 80.2 120.4





#53

Toluene

Concen: 9.989 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. 0.01 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion: 91 Resp: 4114862

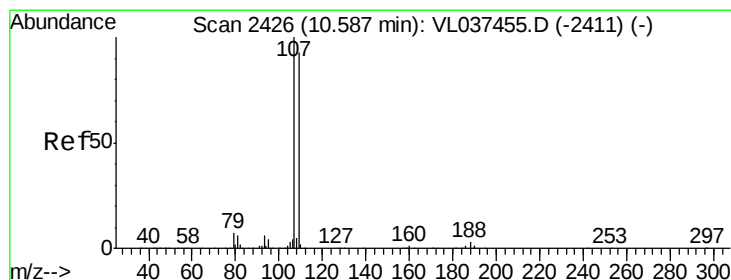
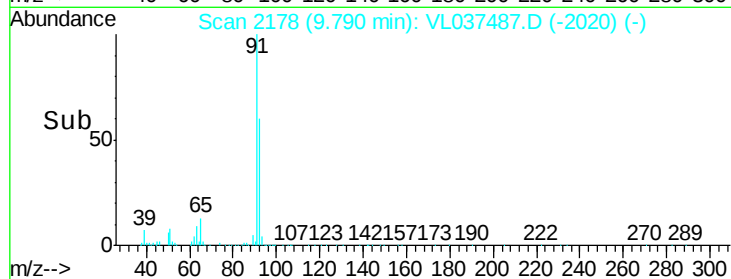
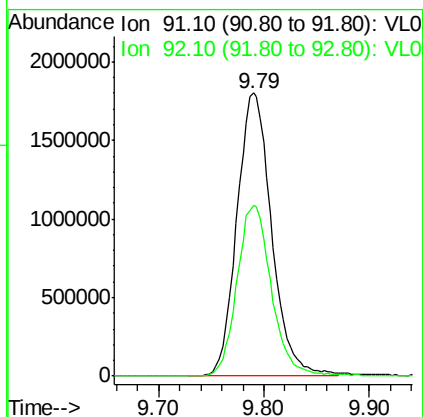
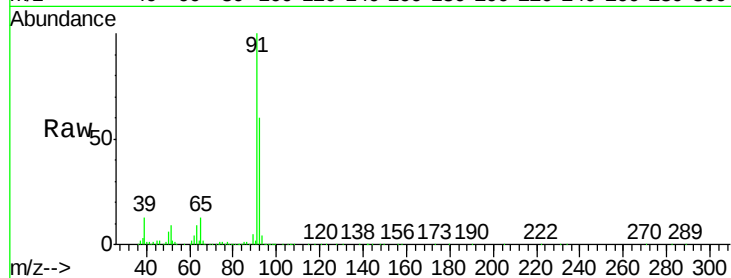
Ion Ratio Lower Upper

91 100

92 60.7 48.8 73.2

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 9.520 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.01 min

Lab File: VL037487.D

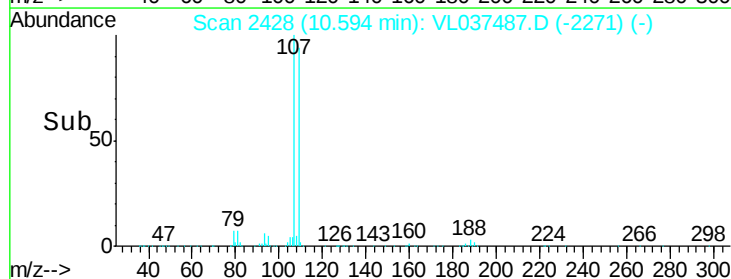
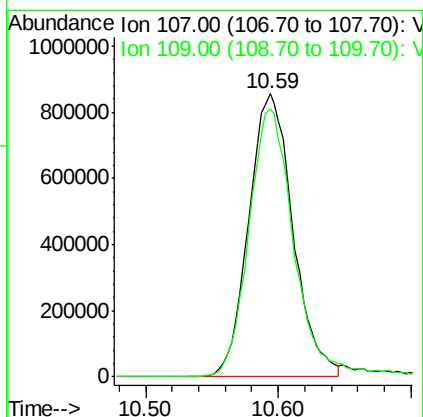
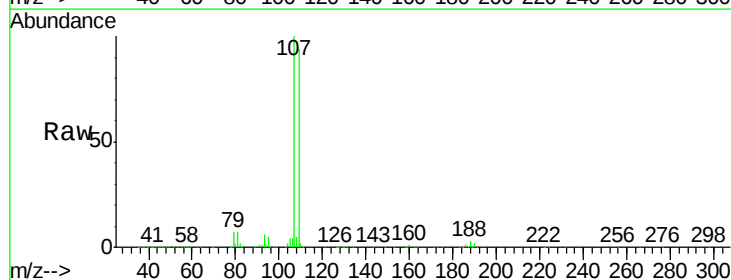
Acq: 18 Aug 2021 11:44

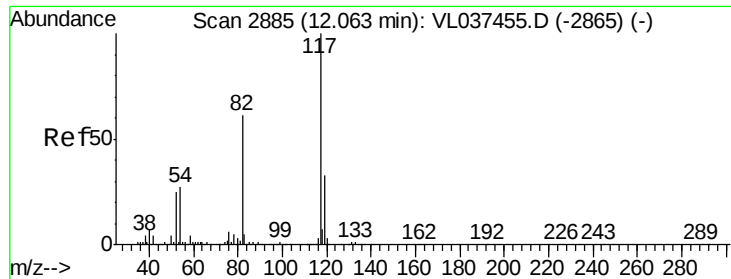
Tgt Ion: 107 Resp: 1990703

Ion Ratio Lower Upper

107 100

109 94.5 74.2 111.4





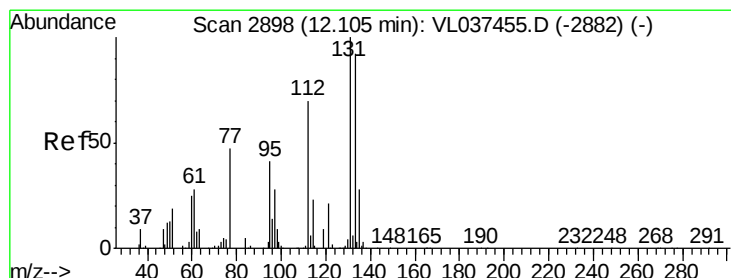
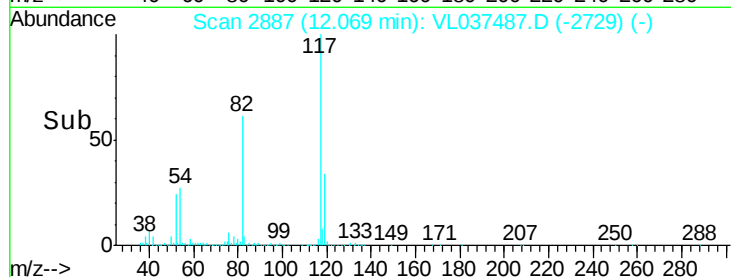
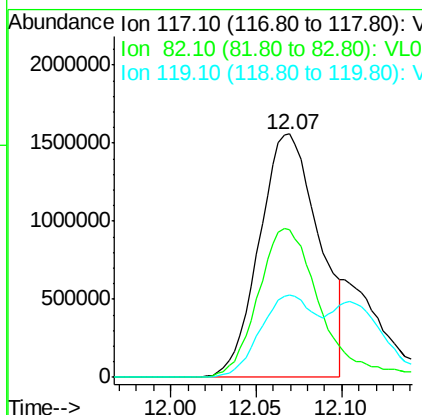
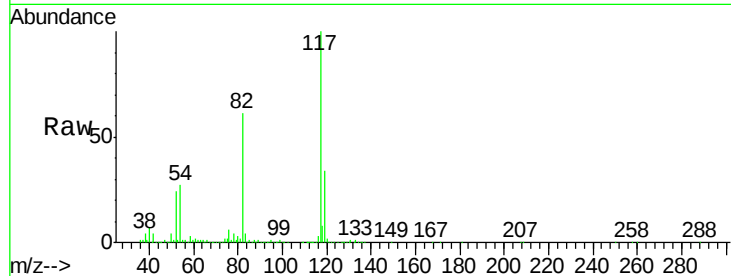
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2887
Delta R.T. 0.01 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Instrument :
MSVOA_L
ClientSampleId :
VL0818ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.9	52.9	79.3
119	31.4	24.8	37.2

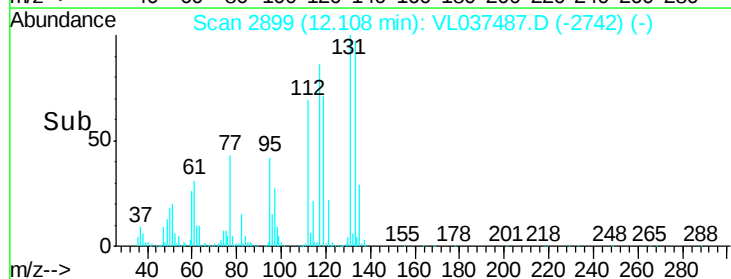
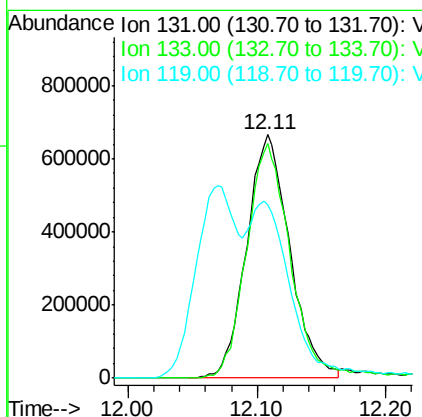
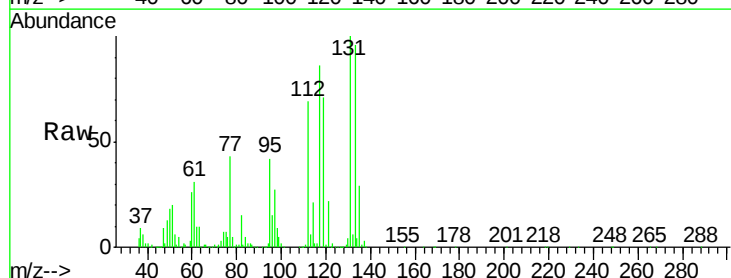
Manual Integrations
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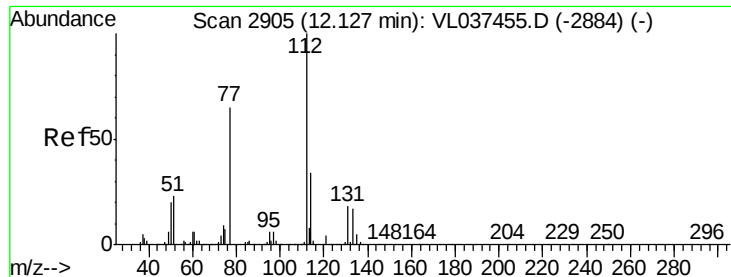
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.862 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. 0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	102.2	78.7	118.1
119	68.7	56.6	85.0





#57

Chlorobenzene

Concen: 9.332 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion: 112 Resp: 2919629

Ion Ratio Lower Upper

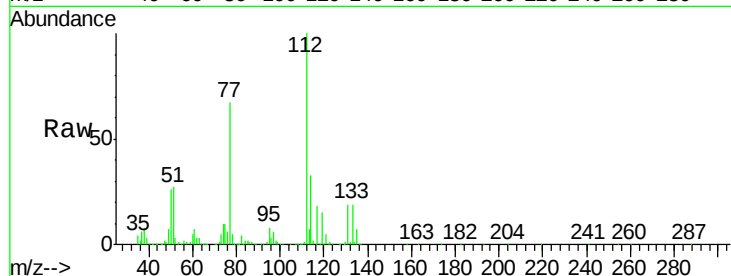
112 100

77 65.9 51.6 77.4

114 32.8 30.7 37.5

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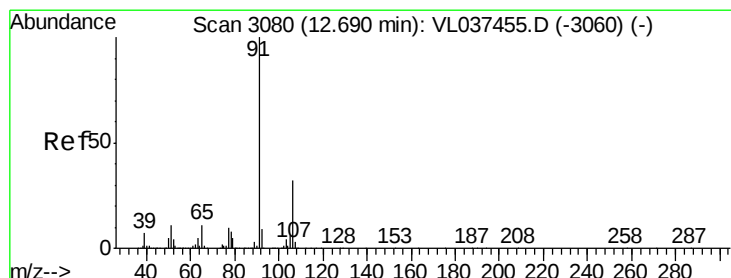
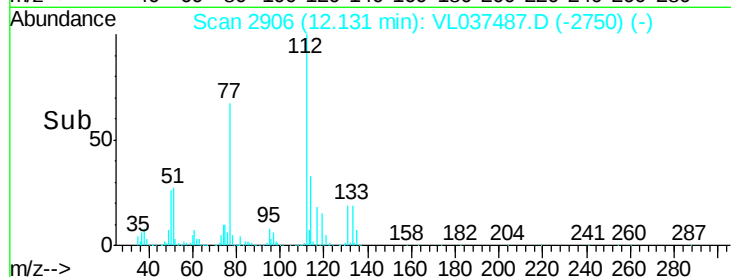
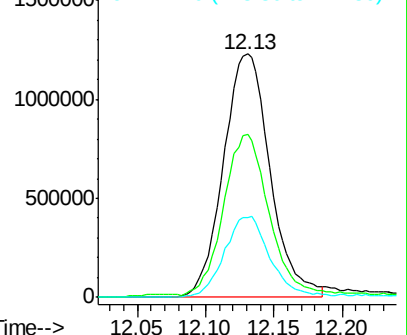
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.917 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VL037487.D

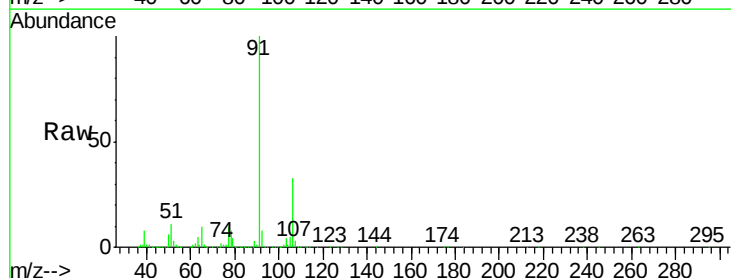
Acq: 18 Aug 2021 11:44

Tgt Ion: 91 Resp: 5188221

Ion Ratio Lower Upper

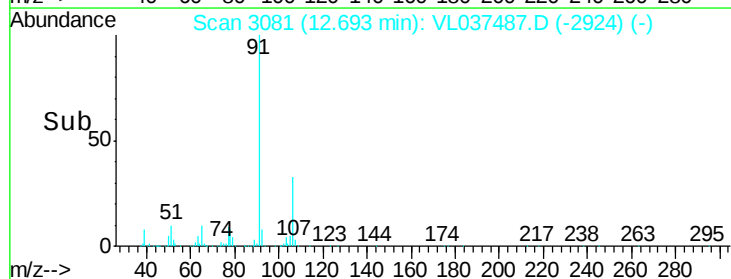
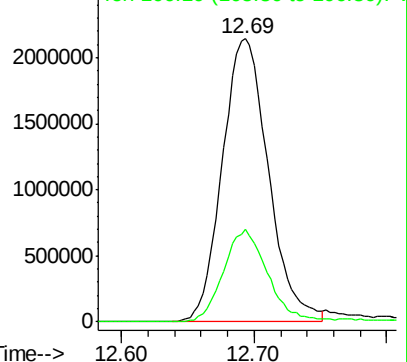
91 100

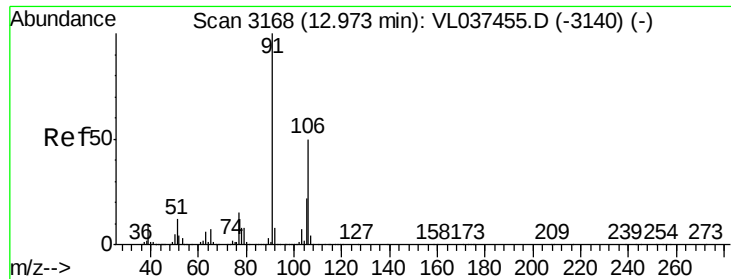
106 32.7 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





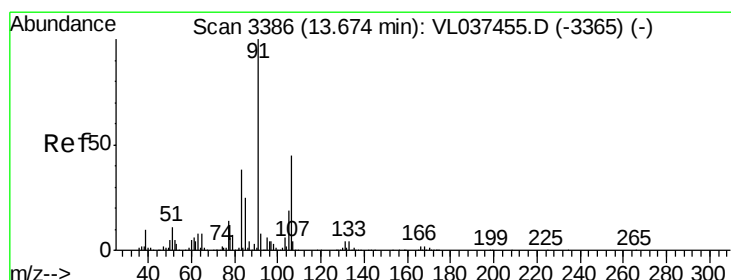
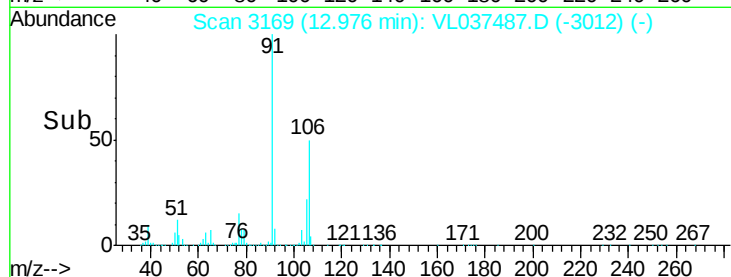
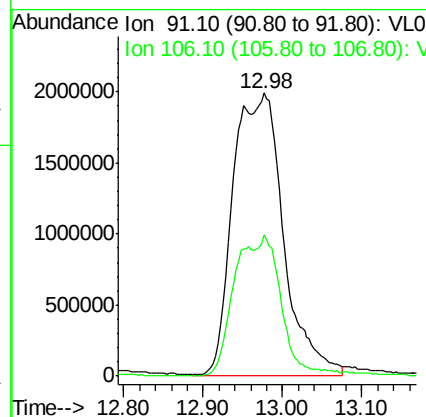
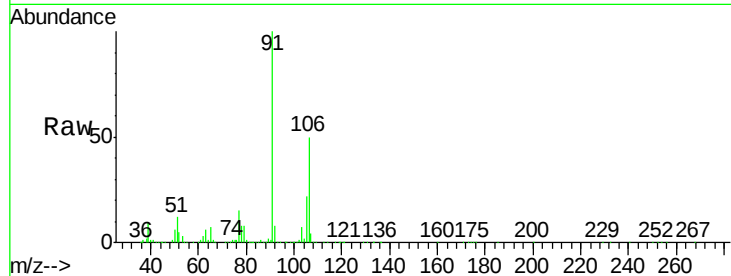
#59
m/p-Xylene
Concen: 19.458 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Instrument :
MSVOA_L
ClientSampleId :
VL0818ABS01

Tot Ion: 91 Resp: 8824988
Ion Ratio Lower Upper
91 100
106 46.5 36.9 55.3

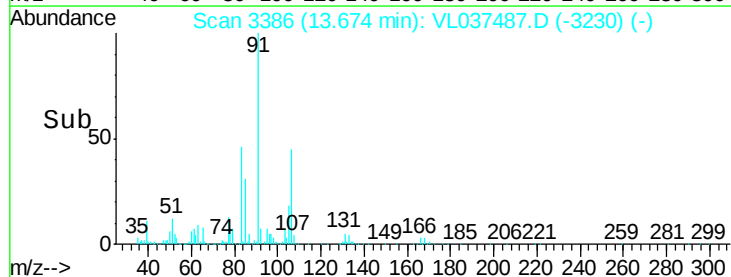
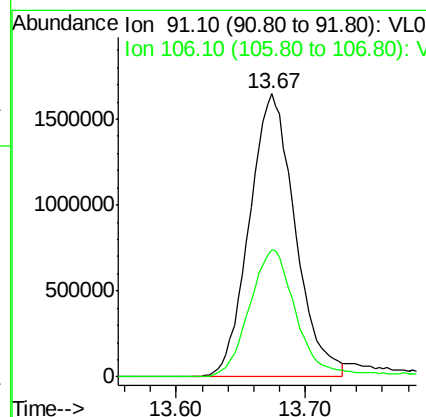
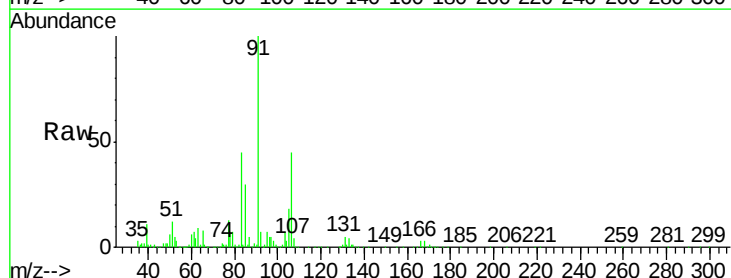
Manual Integrations
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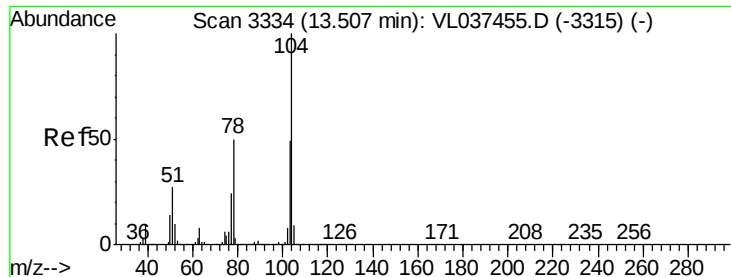
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#60
o-Xylene
Concen: 9.581 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tgt Ion: 91 Resp: 4055782
Ion Ratio Lower Upper
91 100
106 48.0 23.7 71.1





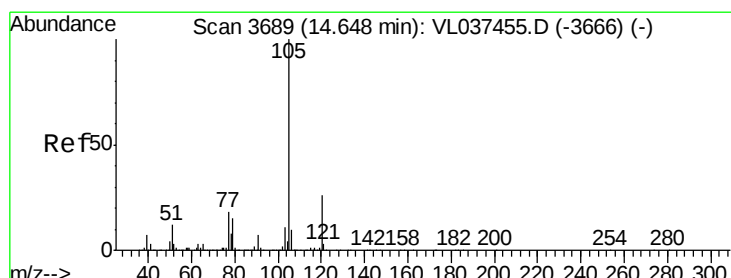
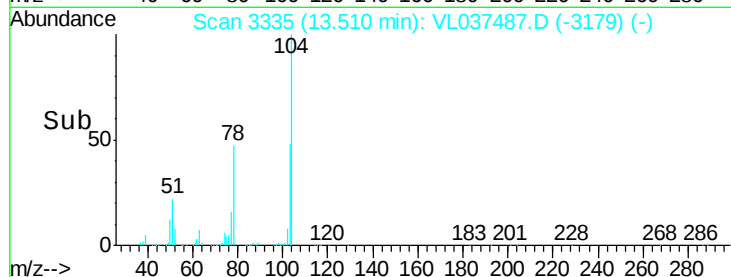
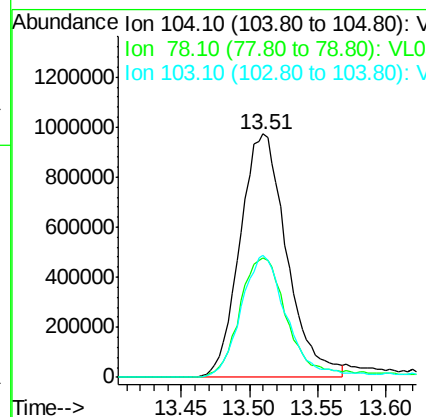
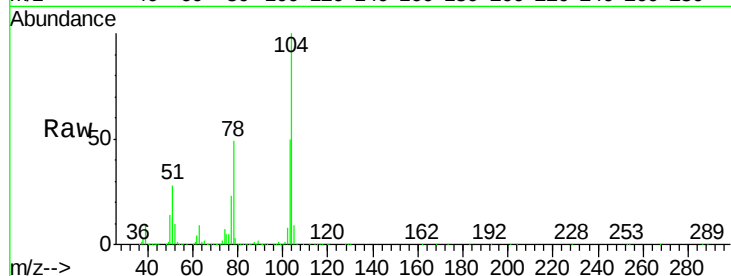
#61
Stvrene
Concen: 10.507 ppbv
RT: 13.51 min Scan# 3335
Delta R.T. 0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Instrument :
MSVOA_L
ClientSampleId :
VL0818ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.0	41.3	61.9
103	50.2	39.4	59.0

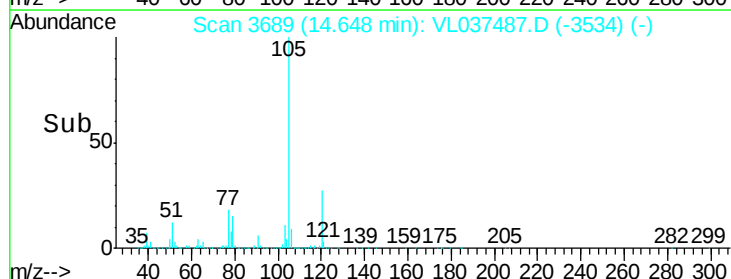
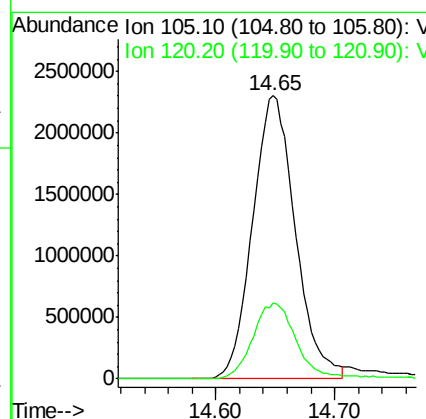
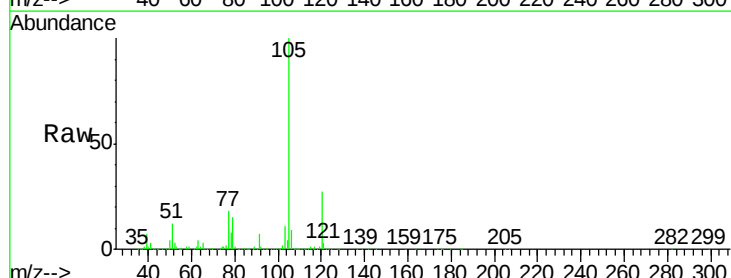
Manual Integrations
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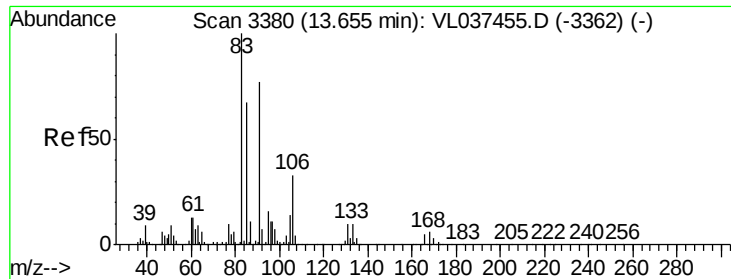
MMDadoda
8/19/2021 5:57:46 PM



#62
Isopropylbenzene
Concen: 9.576 ppbv
RT: 14.65 min Scan# 3689
Delta R.T. -0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.0	21.5	32.3





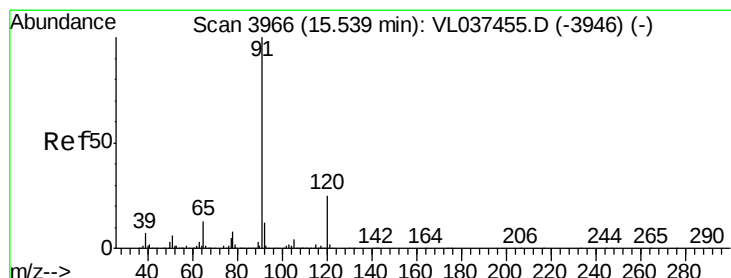
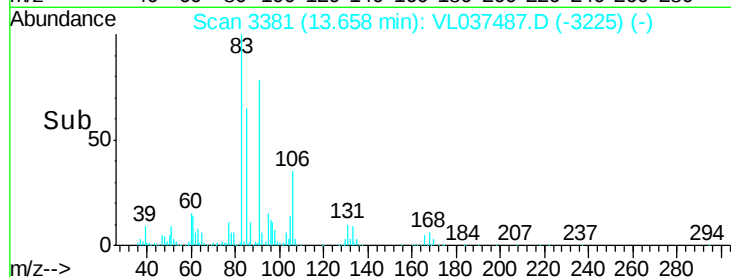
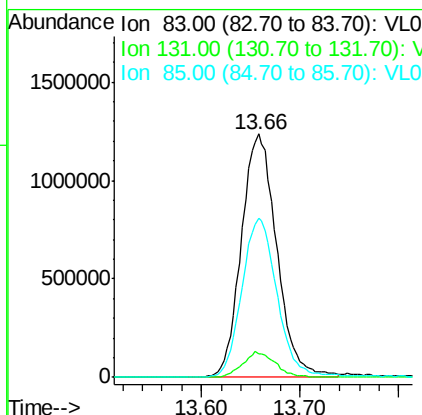
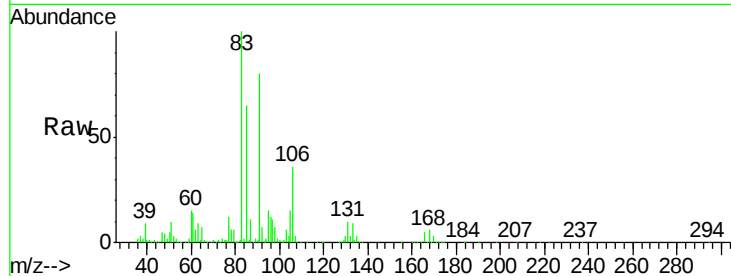
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.740 ppbv
 RT: 13.66 min Scan# 3381
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0818ABS01

Tot Ion: 83 Resp: 3064276
 Ion Ratio Lower Upper
 83 100
 131 9.9 5.0 15.0
 85 65.6 33.8 101.3

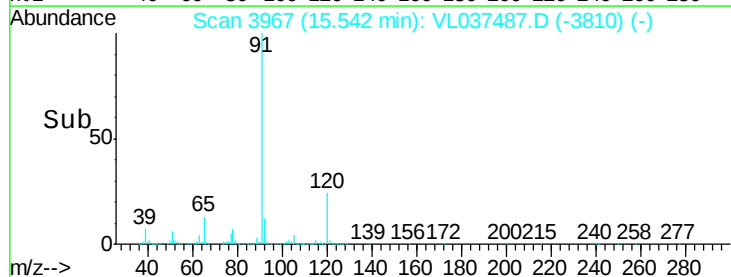
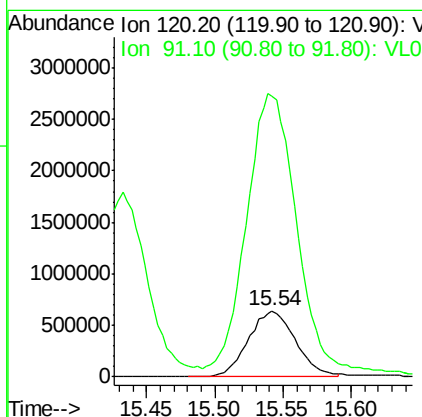
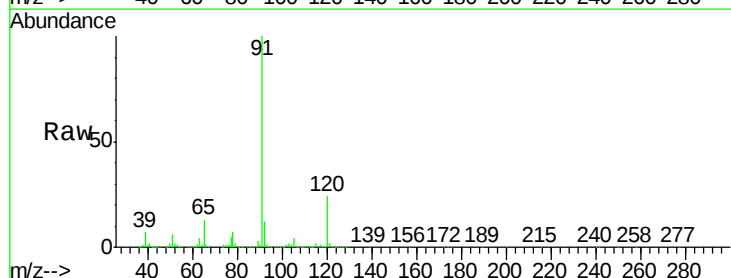
Manual Integrations
 APPROVED

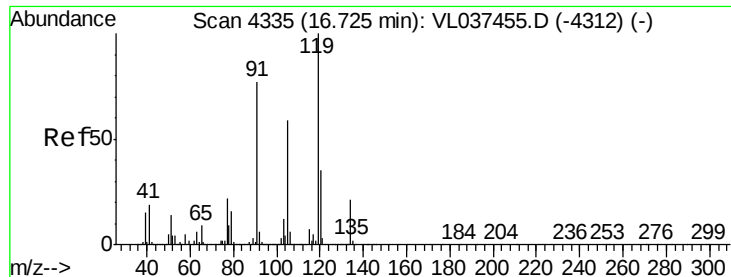
MMDadoda
 8/19/2021 5:57:46 PM



#64
 n-propylbenzene
 Concen: 10.093 ppbv
 RT: 15.54 min Scan# 3967
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Tgt Ion: 120 Resp: 1534471
 Ion Ratio Lower Upper
 120 100
 91 472.1 373.8 560.6





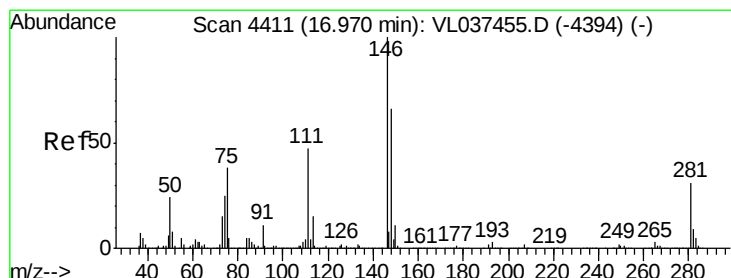
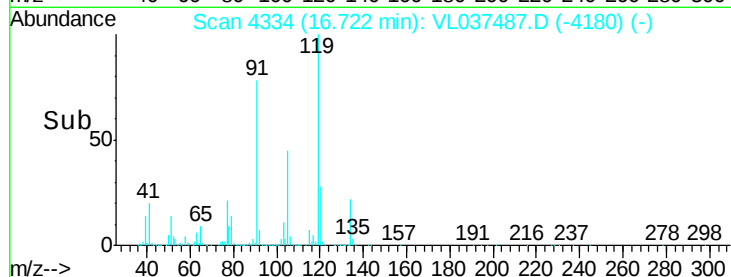
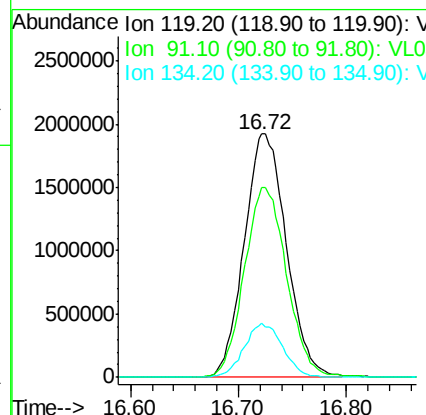
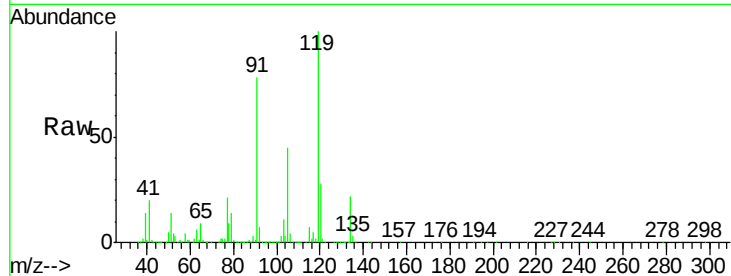
#65
tert-Butylbenzene
Concen: 9.608 ppbv
RT: 16.72 min Scan# 4334
Delta R.T. -0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Instrument :
MSVOA_L
ClientSampleId :
VL0818ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	78.6	62.9	94.3
134	20.4	16.4	24.6

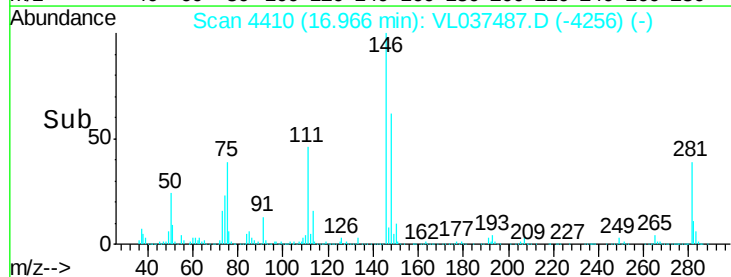
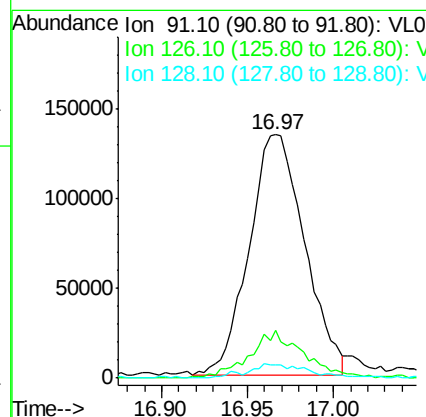
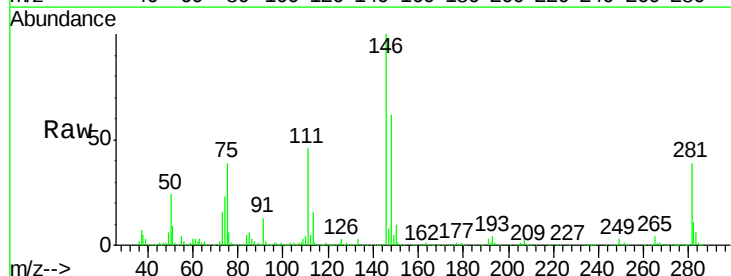
Manual Integrations
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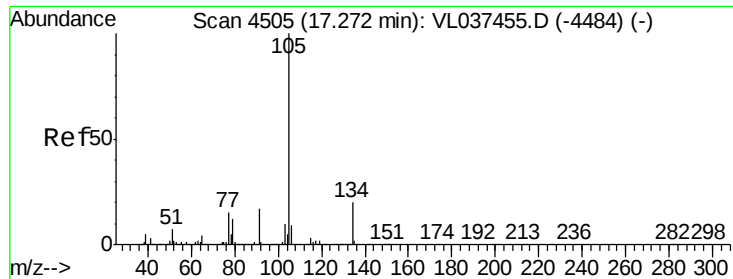
MMDadoda
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#66
Benzyl Chloride
Concen: 12.148 ppbv
RT: 16.97 min Scan# 4410
Delta R.T. -0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	20.0	15.9	23.9
128	7.0	5.4	8.0





#67

sec-Butylbenzene

Concen: 9.600 ppbv

RT: 17.28 min Scan# 4506

Delta R.T. 0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion: 105 Resp: 7298068

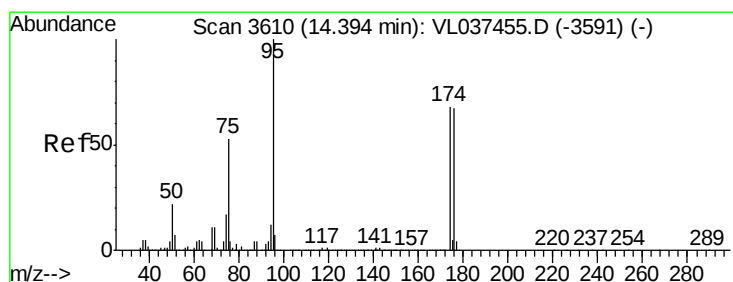
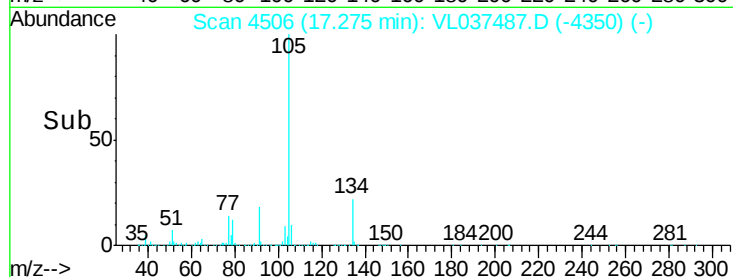
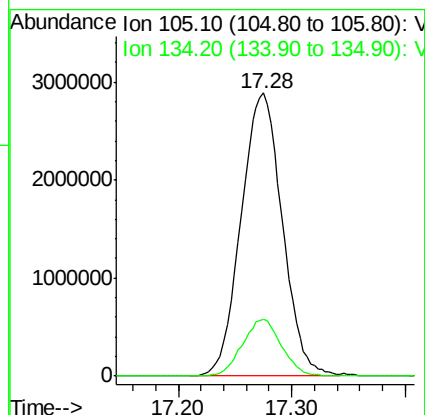
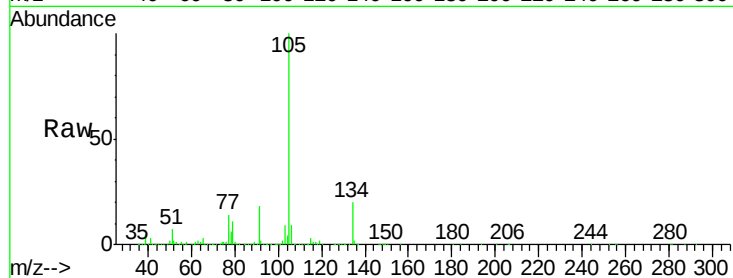
Ion Ratio Lower Upper

105 100

134 19.2 15.2 22.8

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.446 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

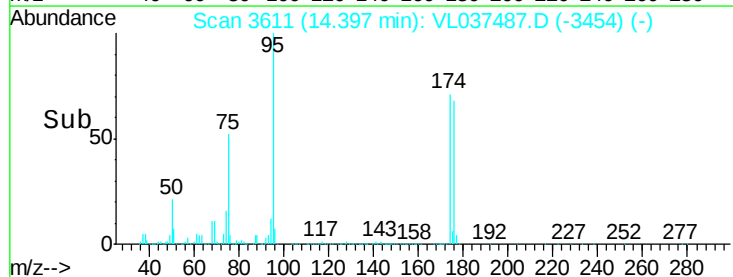
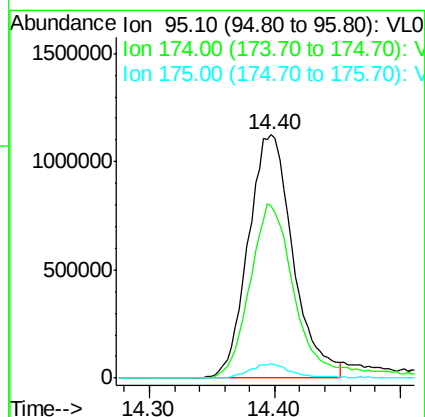
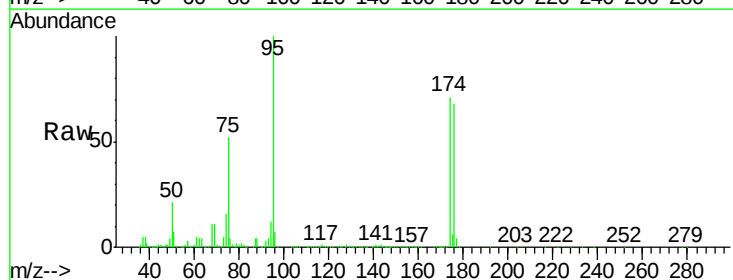
Tgt Ion: 95 Resp: 2797757

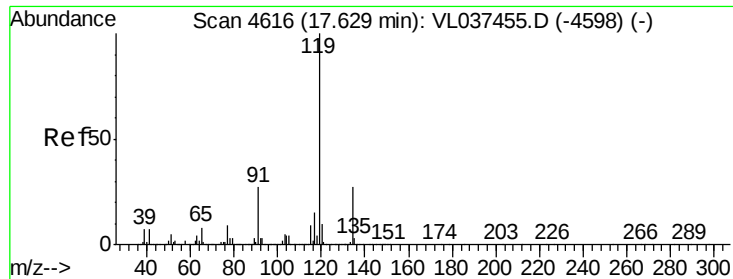
Ion Ratio Lower Upper

95 100

174 75.1 59.6 89.4

175 6.0 4.6 7.0





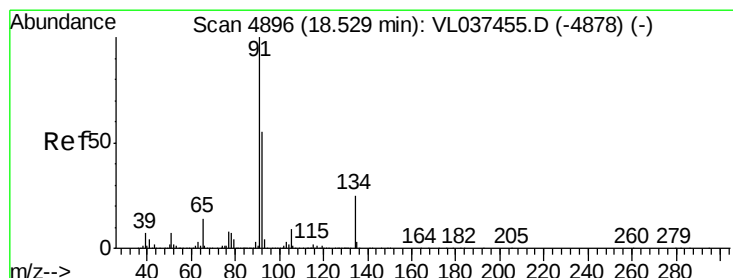
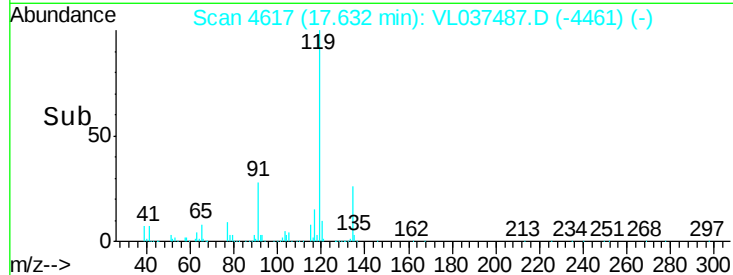
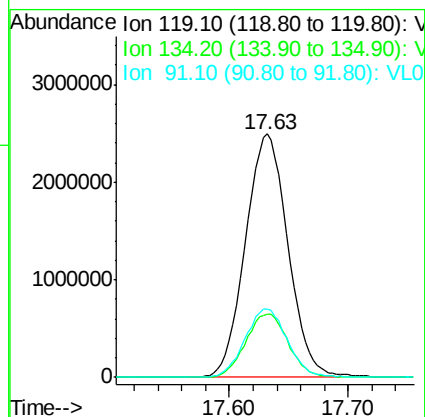
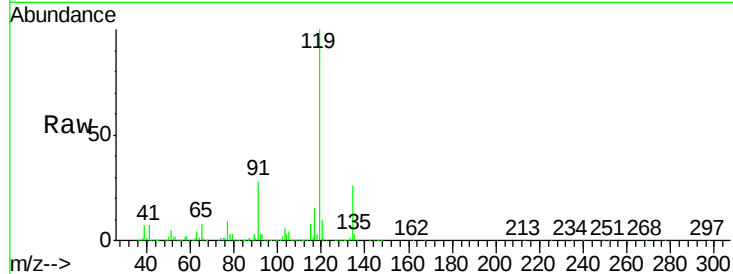
#69
 p-Isopropyltoluene
 Concen: 9.924 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0818ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	21.1	31.7
91	28.1	22.4	33.6

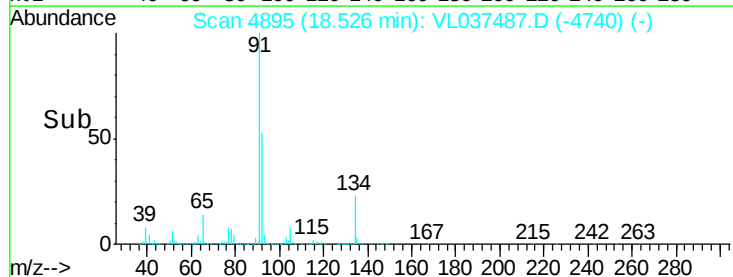
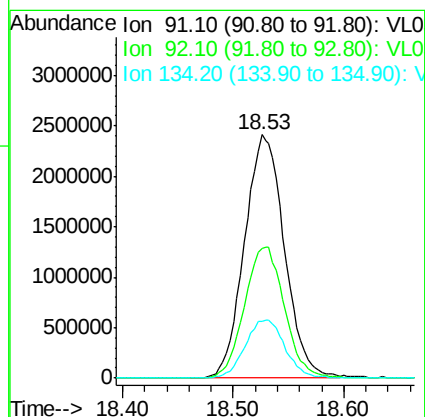
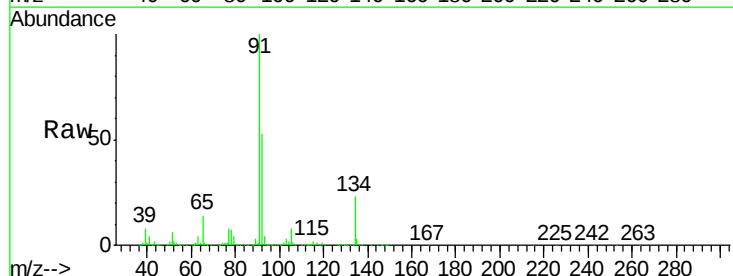
Manual Integrations
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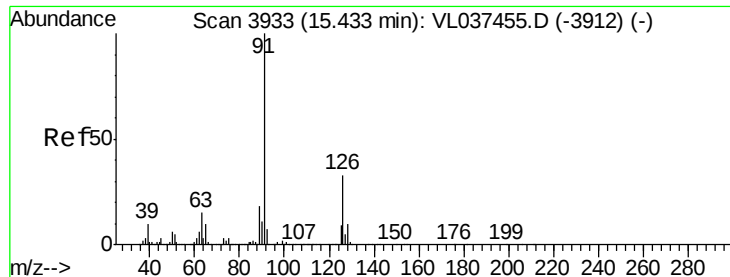
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#70
 n-Butylbenzene
 Concen: 10.205 ppbv
 RT: 18.53 min Scan# 4895
 Delta R.T. -0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	44.0	66.0
134	24.0	19.5	29.3





#71

2-Chlorotoluene

Concen: 9.905 ppbv

RT: 15.43 min Scan# 3933

Delta R.T. -0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion: 91 Resp: 4339380

Ion Ratio Lower Upper

91 100

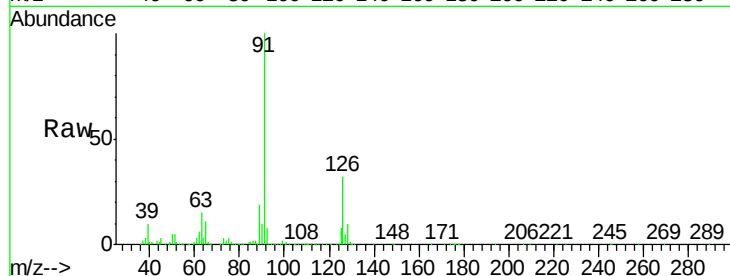
126 33.8 13.6 54.4

Manual Integrations

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

3000000

2500000

2000000

1500000

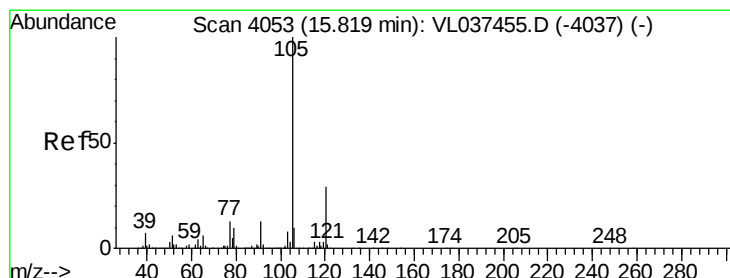
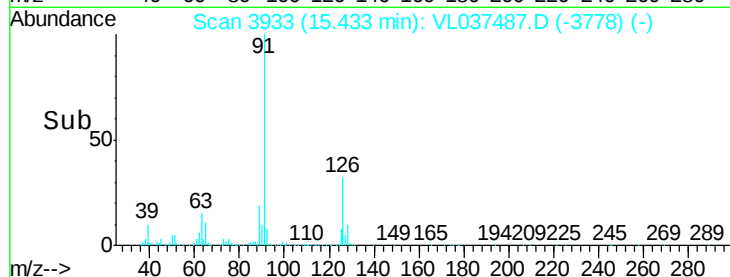
1000000

500000

0

15.40 15.50

Time-->



#72

4-Ethyltoluene

Concen: 10.214 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. -0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Tgt Ion:105 Resp: 5142830

Ion Ratio Lower Upper

105 100

120 30.2 24.7 37.1

91 11.8 9.8 14.8

77 13.3 10.6 15.8

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

3000000

2500000

2000000

1500000

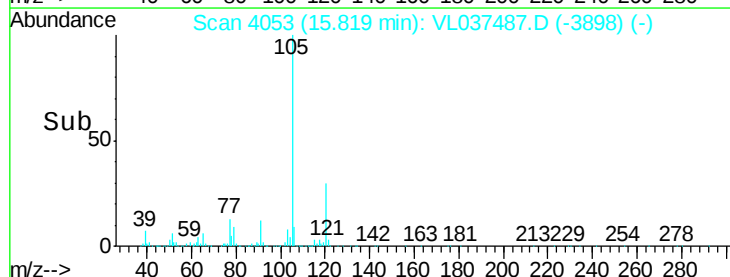
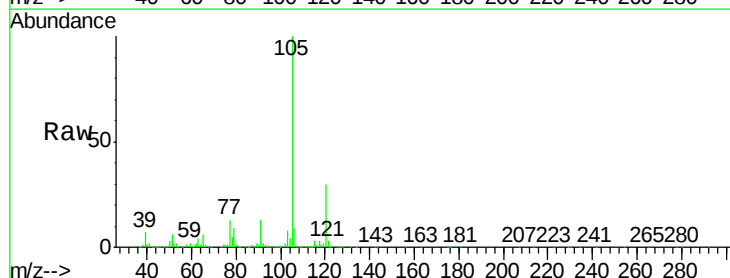
1000000

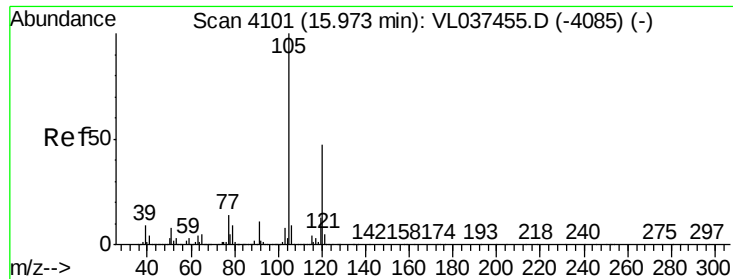
500000

0

15.80 15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 9.903 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. 0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion:105 Resp: 4641274

Ion Ratio Lower Upper

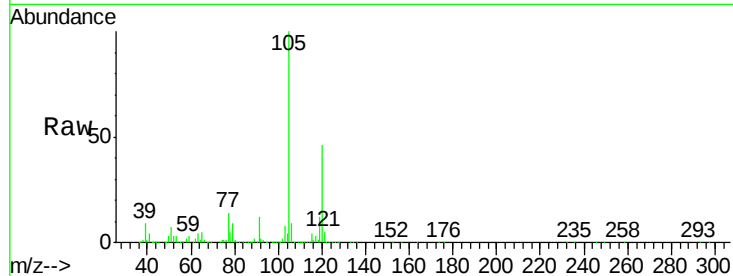
105 100

120 46.4 37.6 56.4

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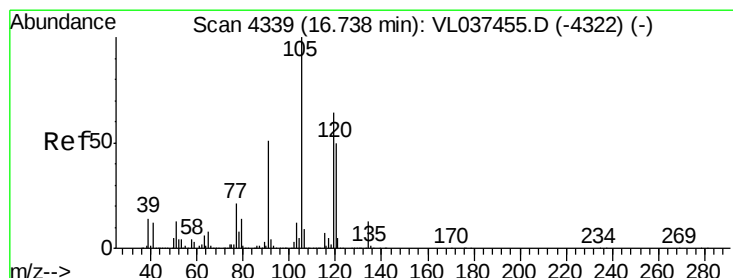
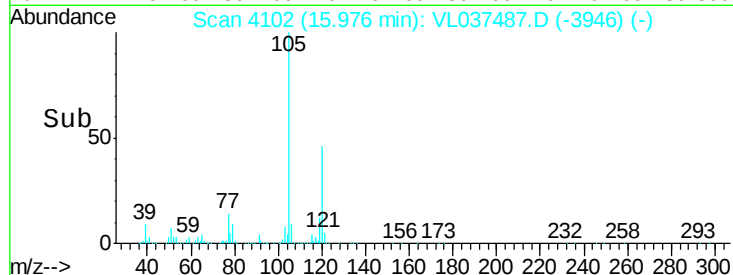
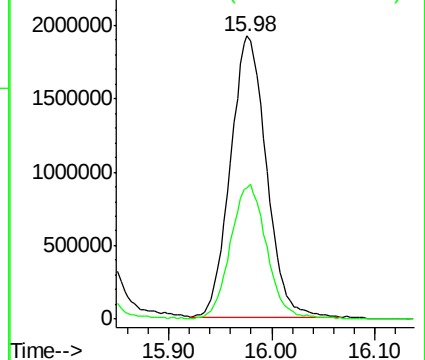
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.565 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.01 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Tgt Ion:105 Resp: 4763902

Ion Ratio Lower Upper

105 100

120 49.6 40.4 60.6

91 41.0 44.6 67.0#

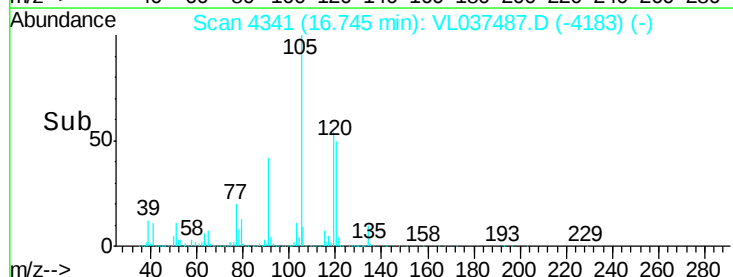
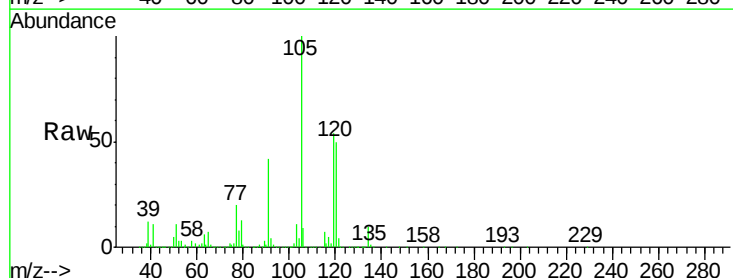
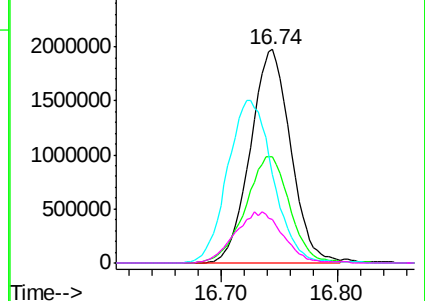
77 20.3 17.8 26.6

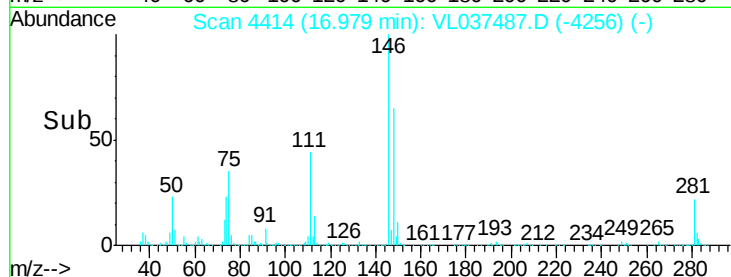
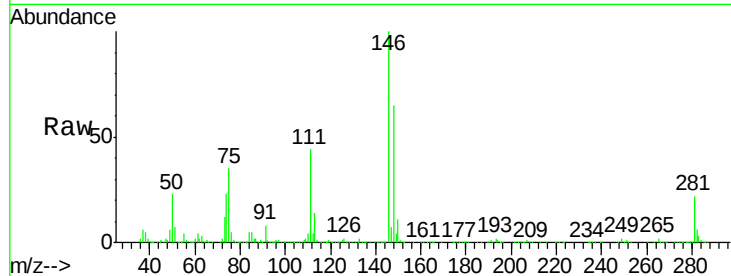
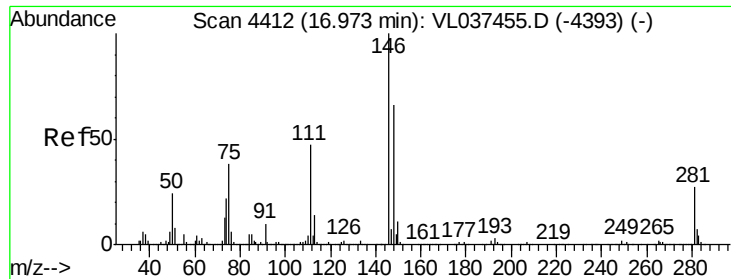
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





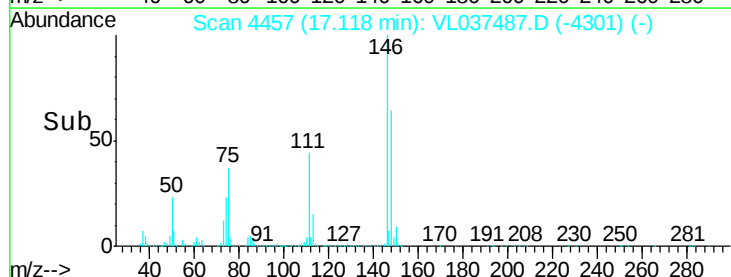
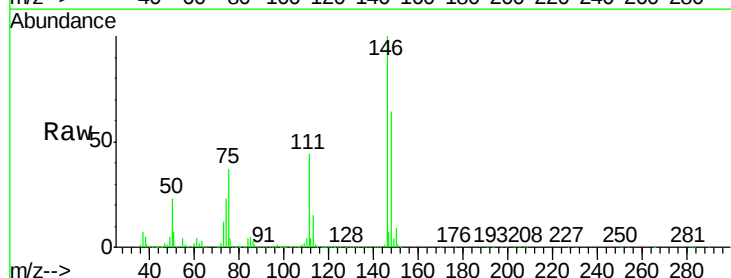
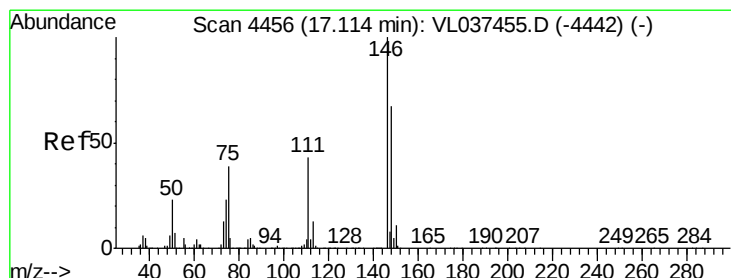
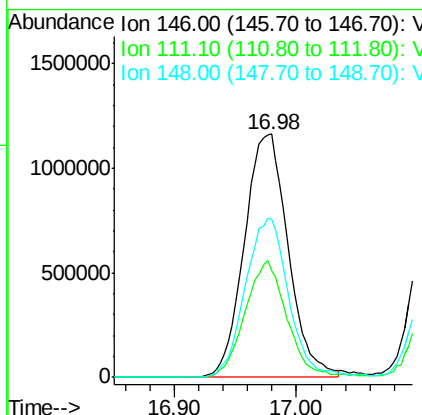
#75
 1,3-Dichlorobenzene
 Concen: 9.632 ppbv
 RT: 16.98 min Scan# 4414
 Delta R.T. 0.01 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Tot Ion:146 Resp: 2887443
 Ion Ratio Lower Upper
 146 100
 111 45.9 23.4 70.0
 148 64.9 33.1 99.5

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0818ABS01

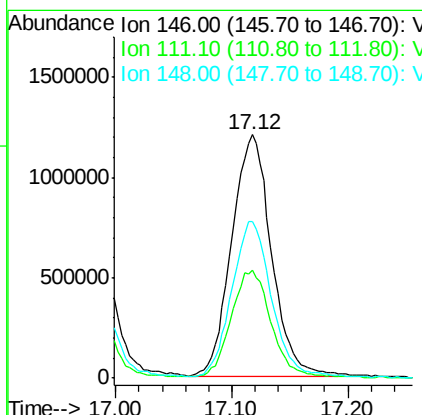
Manual Integrations
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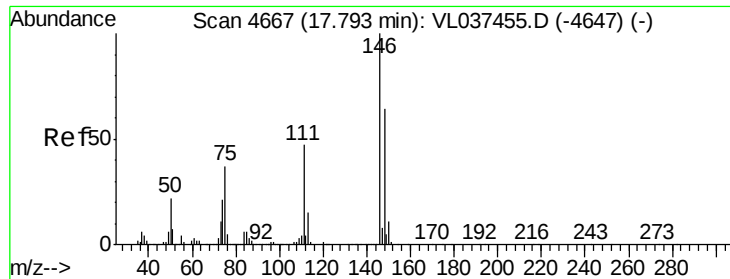
MMDadoda
 8/19/2021 5:57:46 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.440 ppbv
 RT: 17.12 min Scan# 4457
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Tgt Ion:146 Resp: 2850848
 Ion Ratio Lower Upper
 146 100
 111 45.5 22.1 66.5
 148 65.7 32.4 97.0





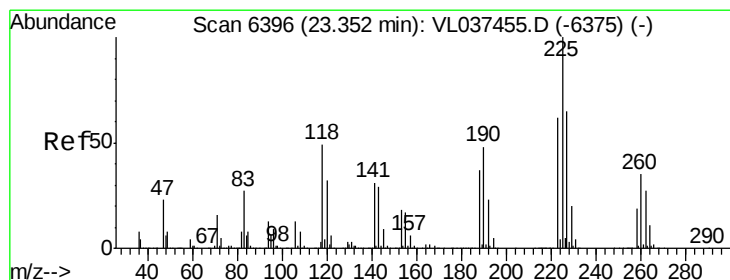
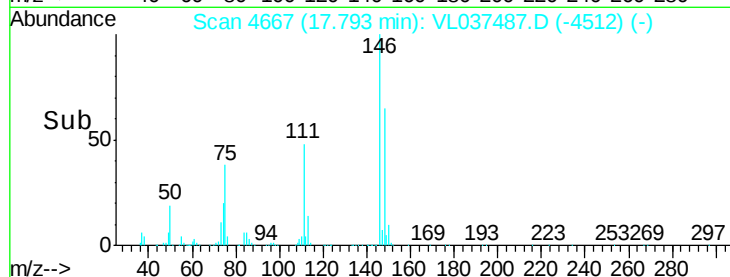
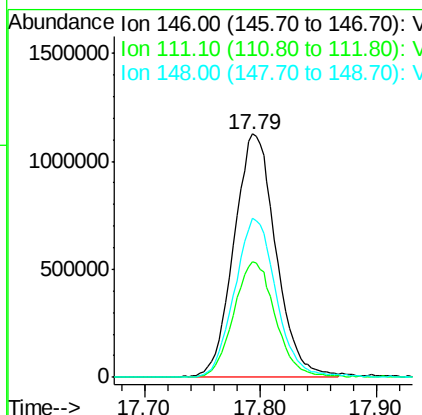
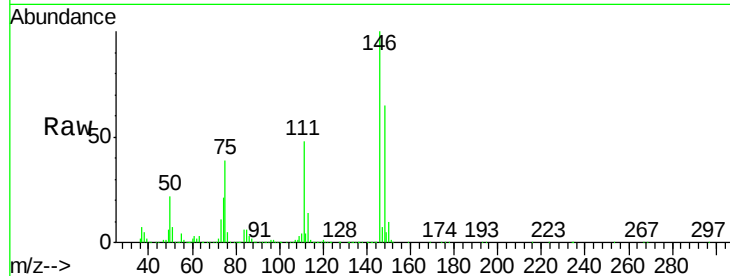
#77
 1,2-Dichlorobenzene
 Concen: 9.476 ppbv
 RT: 17.79 min Scan# 4667
 Delta R.T. -0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0818ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.4	70.3
148	65.6	32.5	97.5

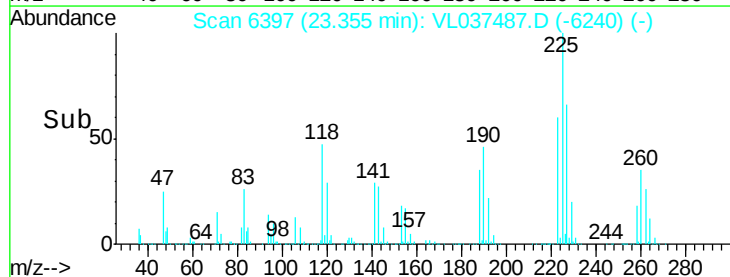
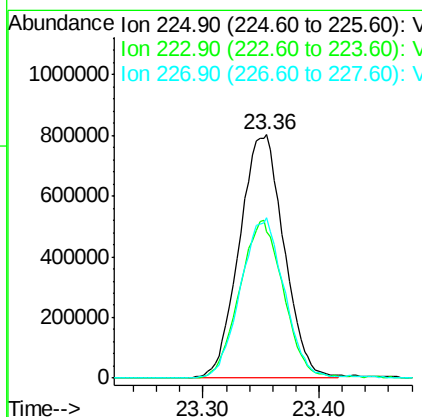
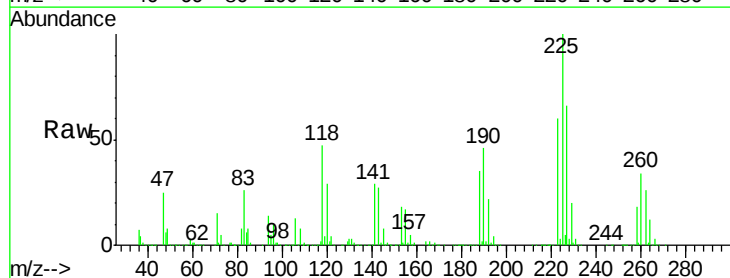
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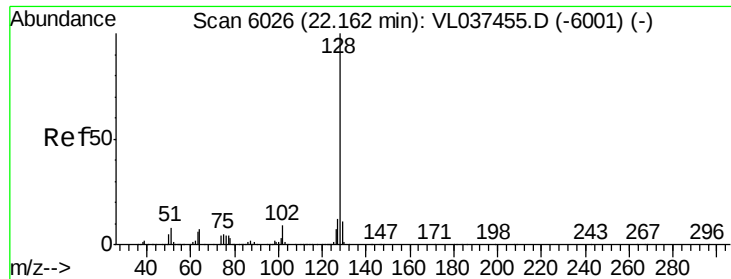
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.725 ppbv
 RT: 23.36 min Scan# 6397
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	51.4	77.0
227	65.0	52.9	79.3





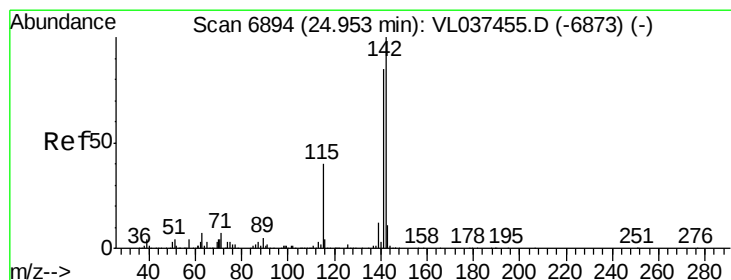
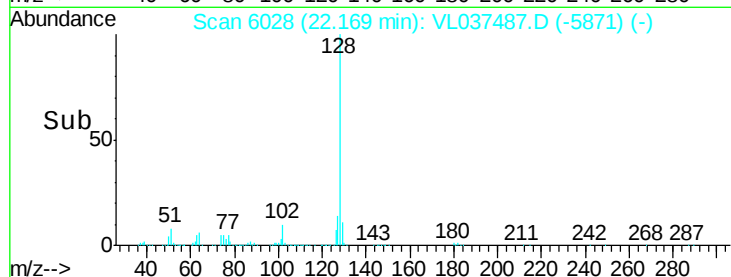
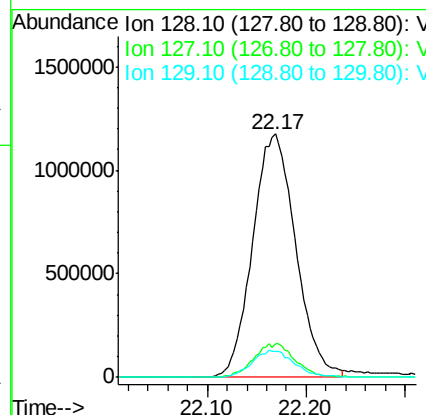
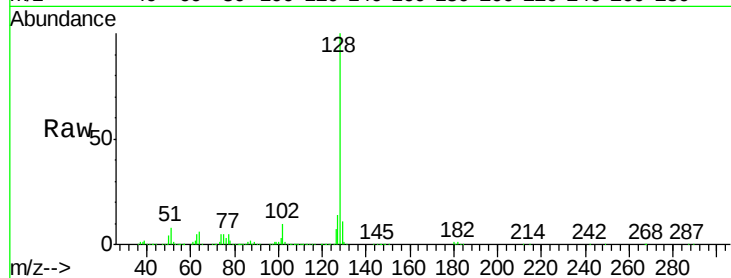
#79
Naphthalene
Concen: 10.622 ppbv
RT: 22.17 min Scan# 6028
Delta R.T. 0.01 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Instrument :
MSVOA_L
ClientSampleId :
VL0818ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	9.4	14.2
129	10.9	8.8	13.2

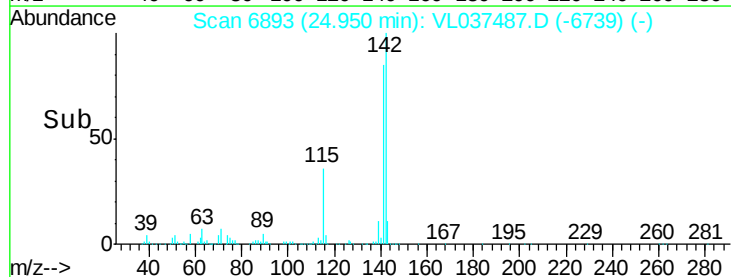
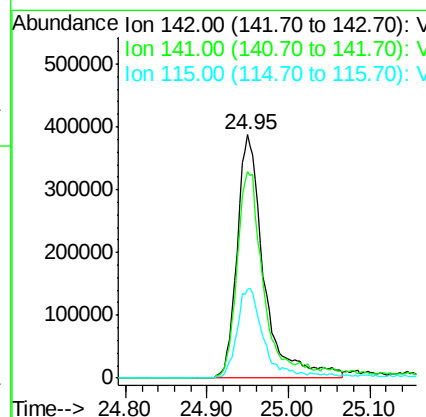
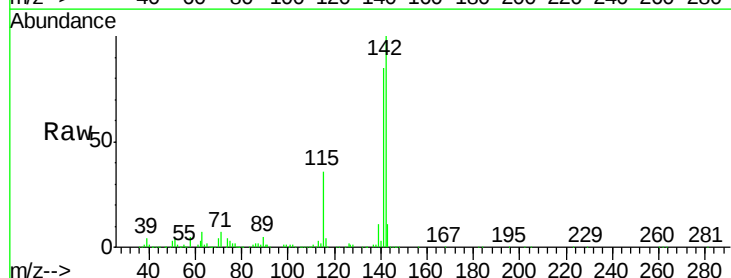
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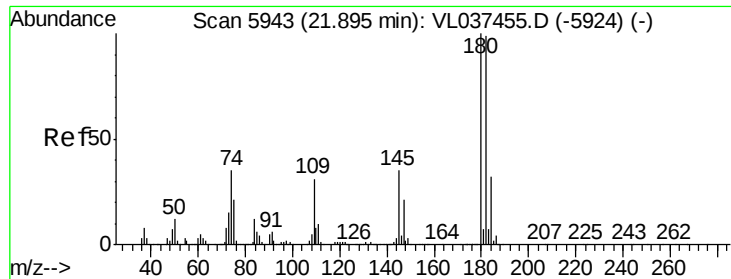
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#80
Naphthalene, 2-methyl-
Concen: 9.629 ppbv
RT: 24.95 min Scan# 6893
Delta R.T. -0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.6	64.7	97.1
115	38.9	28.4	42.6





#81
 1,2,4-Trichlorobenzene
 Concen: 10.423 ppbv
 RT: 21.90 min Scan# 5944
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0818ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	79.6	119.4
184	31.0	25.4	38.2

Manual Integrations
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