

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120320\
 Data File : VL036049.D
 Acq On : 3 Dec 2020 11:42
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 12:08:20 PM

Quant Time: Dec 04 03:46:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 07
 QLast Update : Thu Dec 03 12:00:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1178107	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4132854	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3796657	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2934208	10.88	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.80%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.03	85	129782	0.585	ppbv	99
3) Chlorodifluoromethane	2.97	51	74945	0.531	ppbv	97
4) Chloromethane	3.12	50	36687	0.535	ppbv	91
5) Vinyl Chloride	3.25	62	40374	0.462	ppbv	94
6) Bromomethane	3.46	94	35631	0.507	ppbv	86
7) Chloroethane	3.55	64	16247m	0.528	ppbv	
8) Dichlorotetrafluoroethane	3.17	85	126710	0.499	ppbv	96
9) Propene	3.00	41	23954	0.464	ppbv	97
10) Heptane	8.10	43	52662	0.369	ppbv	95
11) Trichlorofluoromethane	3.93	101	149769	0.538	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	110758	0.534	ppbv	97
13) Ethanol	3.60	45	6219m	0.555	ppbv	
14) Bromoethene	3.73	108	42609m	0.446	ppbv	
15) Acetone	3.85	43	59598	0.473	ppbv #	67
16) 1,3-Butadiene	3.31	39	26802m	0.494	ppbv	
17) tert-Butyl alcohol	4.30	59	81751m	0.490	ppbv	
18) 1,1-Dichloroethene	4.27	96	48370m	0.508	ppbv	
19) Isopropyl Alcohol	3.96	45	42094m	0.544	ppbv	
20) Methylene Chloride	4.33	84	71561	0.807	ppbv	98
21) Allyl Chloride	4.40	41	33698m	0.495	ppbv	
22) trans-1,2-Dichloroethene	4.87	96	46158	0.478	ppbv	97
23) Vinyl Acetate	5.06	43	73863m	0.418	ppbv	
24) 1,1-Dichloroethane	4.99	63	86787	0.516	ppbv	95
25) Ethyl Acetate	5.67	43	122696	0.494	ppbv	98
26) Hexane	5.67	57	62129	0.454	ppbv	87
27) Carbon Disulfide	4.53	76	84427	0.412	ppbv #	93
28) Methyl tert-Butyl Ether	5.03	73	88496	0.360	ppbv	98
29) Chloroform	5.73	83	126959	0.472	ppbv	97
30) Cyclohexane	7.12	84	62081m	0.417	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	53698m	0.381	ppbv	
32) 1,1,1-Trichloroethane	6.49	97	108289m	0.386	ppbv	
34) 2-Butanone	5.24	43	70462m	0.525	ppbv	
35) Carbon Tetrachloride	7.00	117	103625m	0.469	ppbv	
36) Benzene	6.88	78	124264	0.404	ppbv	98
37) 1,2-Dichloroethane	6.29	62	72626	0.522	ppbv	99
38) Trichloroethene	7.82	130	56131m	0.374	ppbv	
39) 1,2-Dichloropropane	7.60	63	53910m	0.521	ppbv	
40) 1,4-Dioxane	7.87	88	19411m	0.396	ppbv	
41) Tetrahydrofuran	6.07	42	28705m	0.377	ppbv	
42) Bromodichloromethane	7.78	83	104017	0.443	ppbv	89
43) Methyl Methacrylate	8.01	69	34711	0.296	ppbv	90

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Manual Integrations
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Quant Time: Dec 04 03:46:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 0
 QLast Update : Thu Dec 03 12:00:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	182809	0.450	ppbv	# 92
45) t-1,3-Dichloropropene	9.26	75	32267m	0.260	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	46393m	0.295	ppbv	
47) 1,1,2-Trichloroethane	9.46	97	64727	0.459	ppbv	87
48) Dibromochloromethane	10.29	129	76539	0.355	ppbv	98
49) Bromoform	13.02	173	52575m	0.289	ppbv	
50) 4-Methyl-2-Pentanone	8.75	43	86235m	0.420	ppbv	
51) 2-Hexanone	10.15	43	53434m	0.324	ppbv	
52) Tetrachloroethene	11.21	164	48520	0.333	ppbv	93
53) Toluene	9.79	91	106397	0.287	ppbv	97
54) 1,2-Dibromoethane	10.60	107	86358	0.403	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.11	131	74583	0.438	ppbv	# 1
57) Chlorobenzene	12.13	112	146126	0.484	ppbv	94
58) Ethyl Benzene	12.70	91	136943	0.296	ppbv	99
59) m/p-Xylene	12.99	91	275652m	0.705	ppbv	
60) o-Xylene	13.68	91	147423	0.387	ppbv	100
61) Styrene	13.52	104	56408m	0.202	ppbv	
62) Isopropylbenzene	14.66	105	229423	0.384	ppbv	94
63) 1,1,2,2-Tetrachloroethane	13.66	83	149415m	0.507	ppbv	
64) n-propylbenzene	15.55	120	51089	0.295	ppbv	# 55
65) tert-Butylbenzene	16.74	119	167170	0.307	ppbv	94
66) Benzyl Chloride	16.98	91	36972m	0.205	ppbv	
67) sec-Butylbenzene	17.29	105	230847	0.315	ppbv	96
69) p-Isopropyltoluene	17.65	119	158068	0.261	ppbv	97
70) n-Butylbenzene	18.55	91	154604	0.265	ppbv	93
71) 2-Chlorotoluene	15.45	91	138049	0.316	ppbv	98
72) 4-Ethyltoluene	15.82	105	123763	0.268	ppbv	# 97
73) 1,3,5-Trimethylbenzene	15.99	105	127391m	0.302	ppbv	
74) 1,2,4-Trimethylbenzene	16.75	105	149885	0.331	ppbv	# 91
75) 1,3-Dichlorobenzene	16.99	146	106861m	0.371	ppbv	
76) 1,4-Dichlorobenzene	17.13	146	100296m	0.361	ppbv	
77) 1,2-Dichlorobenzene	17.81	146	96882m	0.345	ppbv	
78) Hexachloro-1,3-Butadiene	23.37	225	53624	0.409	ppbv	96
79) Naphthalene	22.21	128	42747m	0.135	ppbv	
80) Naphthalene, 2-methyl-	25.02	142	3551m	0.069	ppbv	
81) 1,2,4-Trichlorobenzene	21.93	180	41321m	0.234	ppbv	

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

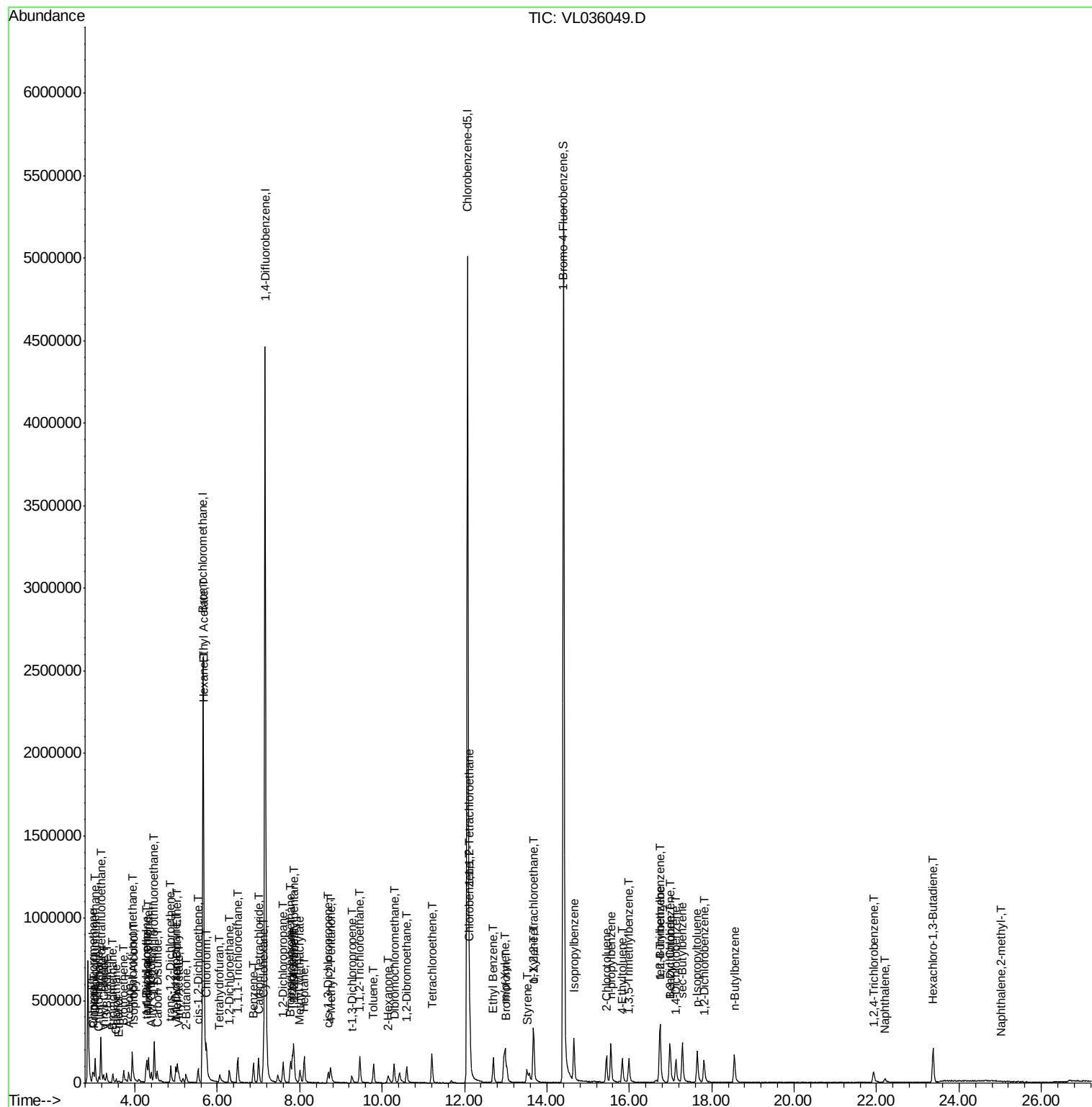
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120320\
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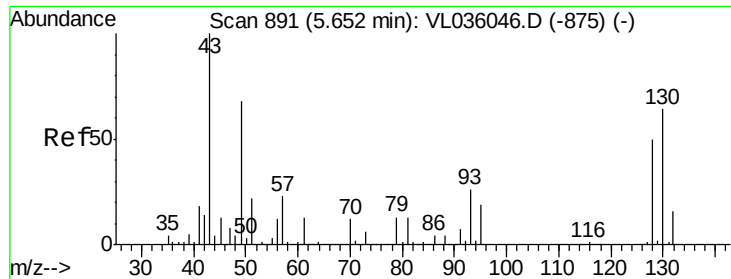
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Manual Integrations
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Quant Time: Dec 04 03:46:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec
QLast Update : Thu Dec 03 12:00:21 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.00 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 49 Resp: 1178107

Ion Ratio Lower Upper

49 100

128 75.5 38.3 114.8

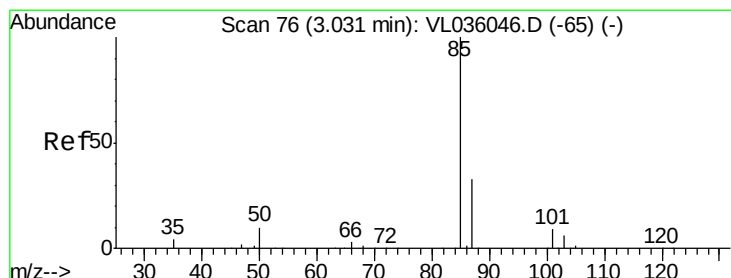
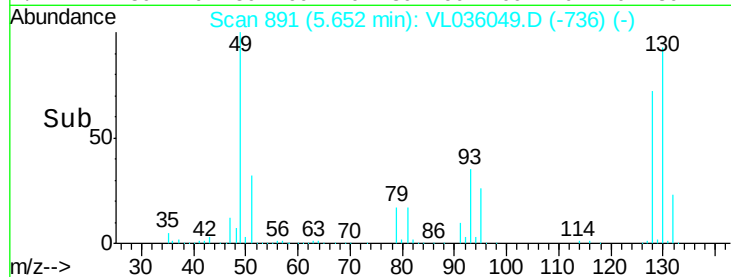
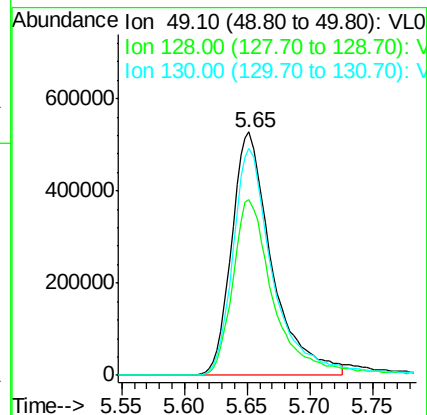
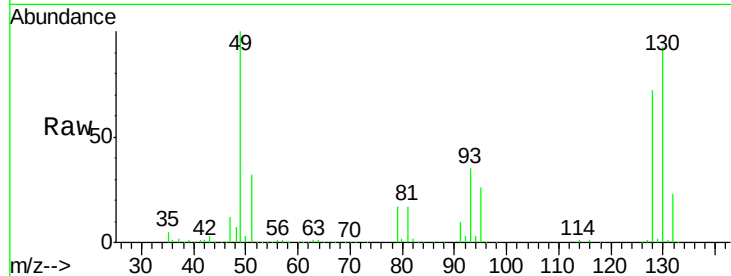
130 96.2 49.1 147.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 0.585 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL036049.D

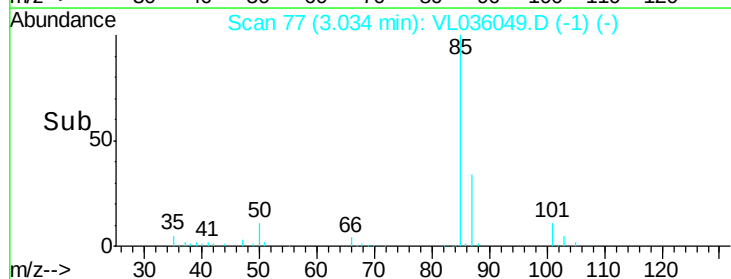
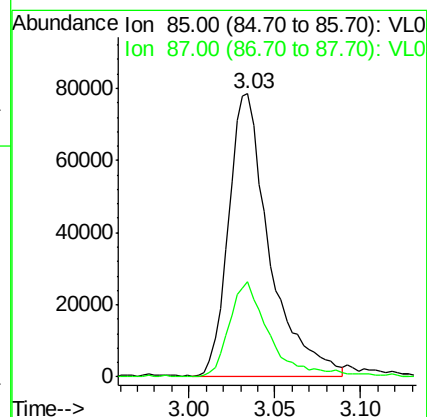
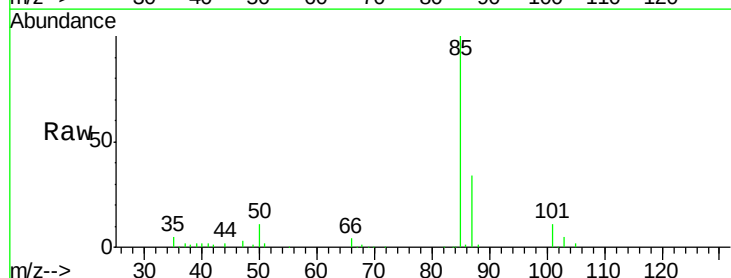
Acq: 3 Dec 2020 11:42

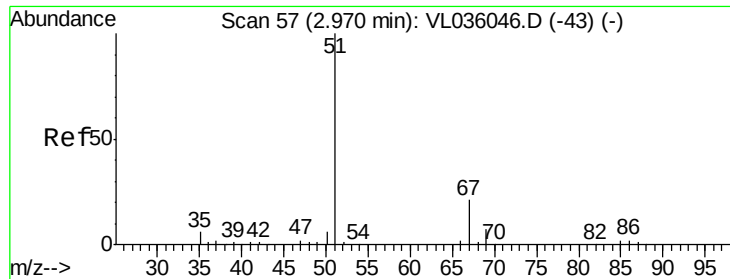
Tgt Ion: 85 Resp: 129782

Ion Ratio Lower Upper

85 100

87 33.8 26.8 40.2





#3

Chlorodifluoromethane

Concen: 0.531 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.00 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

Tot Ion: 51 Resp: 74945

Ion Ratio Lower Upper

51 100

67 19.9 16.9 25.3

Instrument :

MSVOA_L

ClientSampleId :

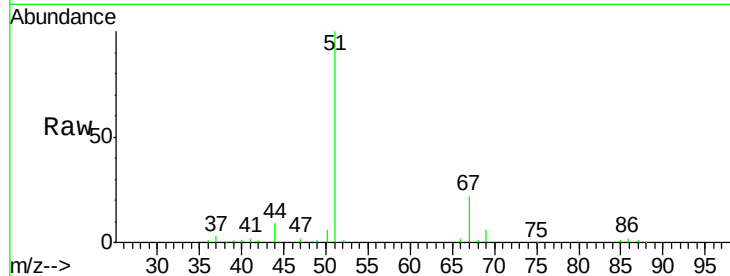
VSTDIC0.5

Manual Integrations

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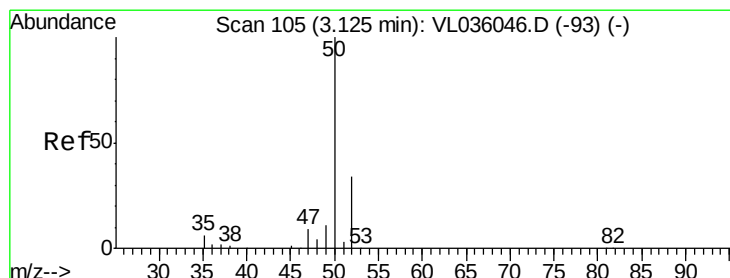
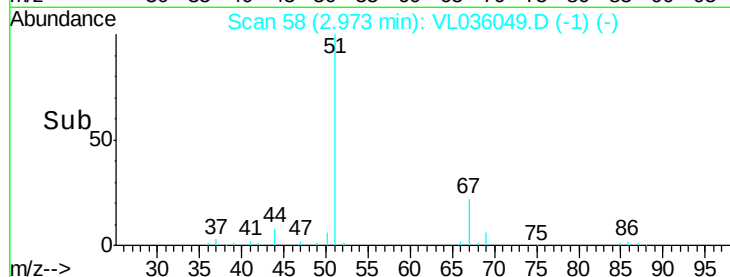
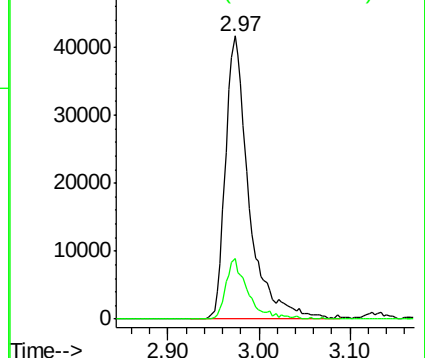
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.535 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL036049.D

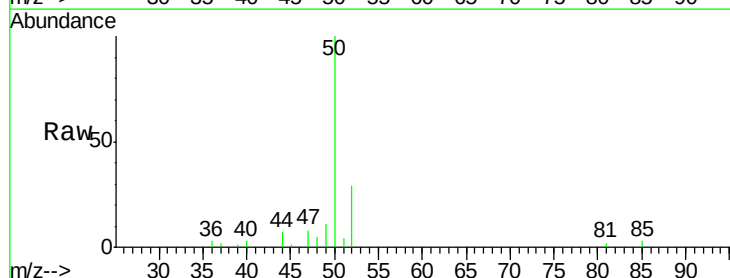
Acq: 3 Dec 2020 11:42

Tgt Ion: 50 Resp: 36687

Ion Ratio Lower Upper

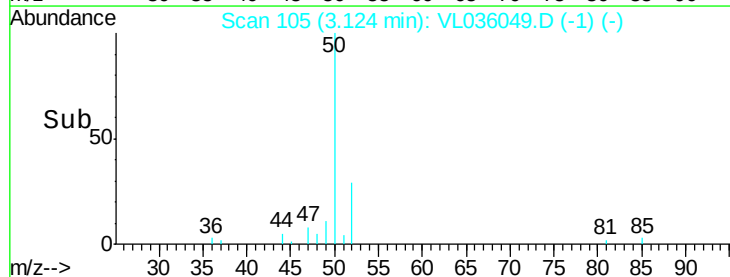
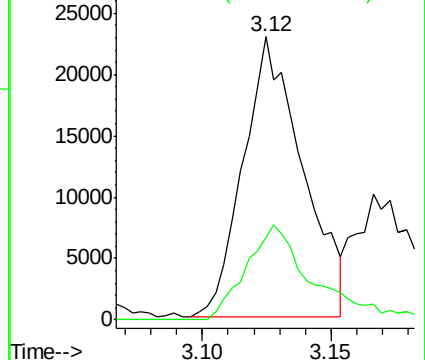
50 100

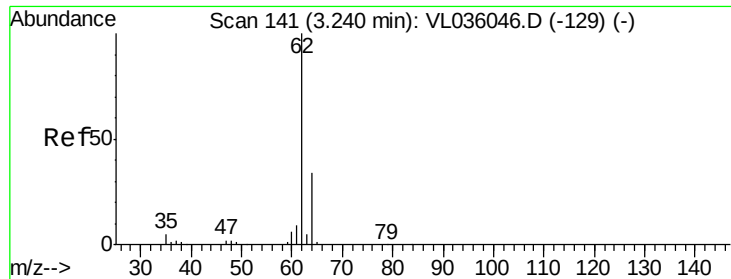
52 29.5 27.6 41.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.462 ppbv

RT: 3.25 min Scan# 143

Delta R.T. 0.01 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 40374

Ion Ratio Lower Upper

62 100

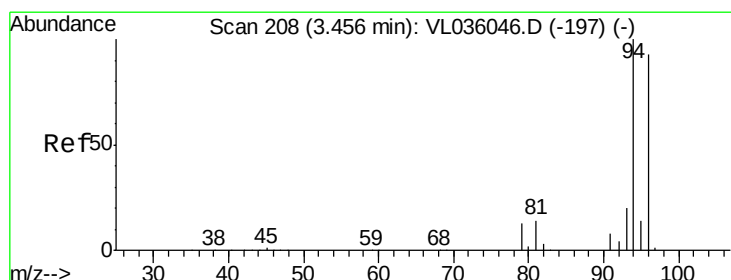
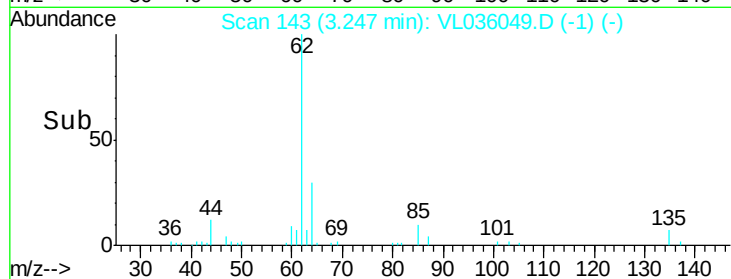
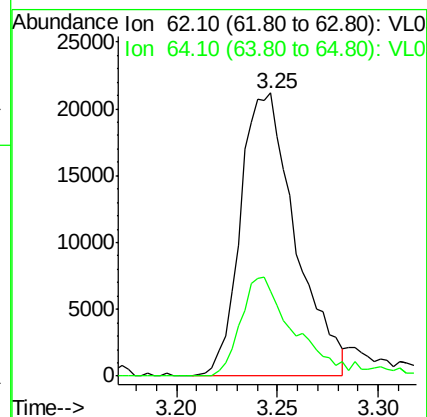
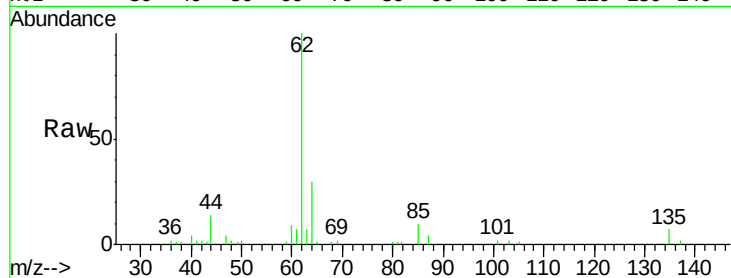
64 30.0 26.8 40.2

Manual Integrations

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#6

Bromomethane

Concen: 0.507 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL036049.D

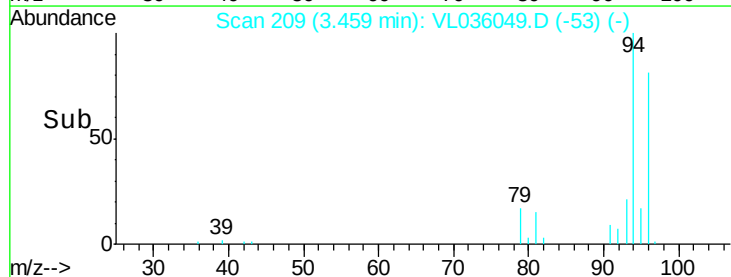
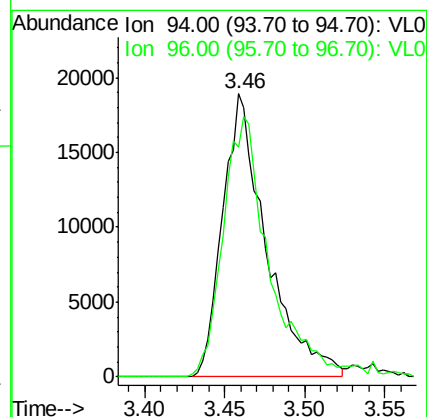
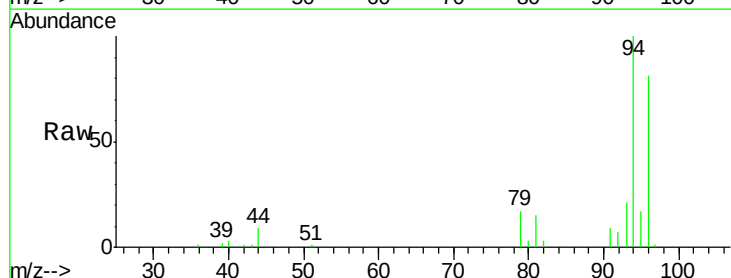
Acq: 3 Dec 2020 11:42

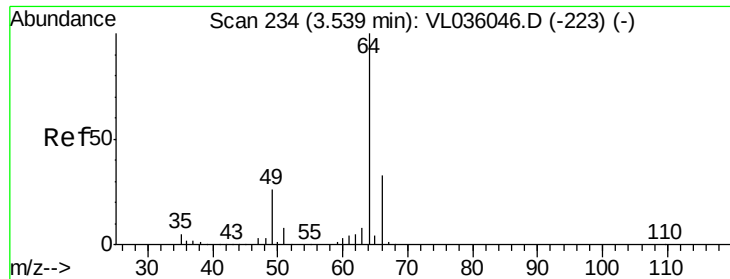
Tgt Ion: 94 Resp: 35631

Ion Ratio Lower Upper

94 100

96 79.8 74.8 112.2





#7

Chloroethane

Concen: 0.528 ppbv m

RT: 3.55 min Scan# 237

Delta R.T. 0.01 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 16247

Ion Ratio Lower Upper

64 100

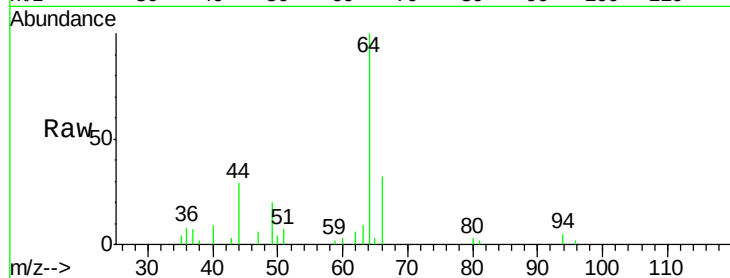
66 32.0 26.1 39.1

Manual Integrations

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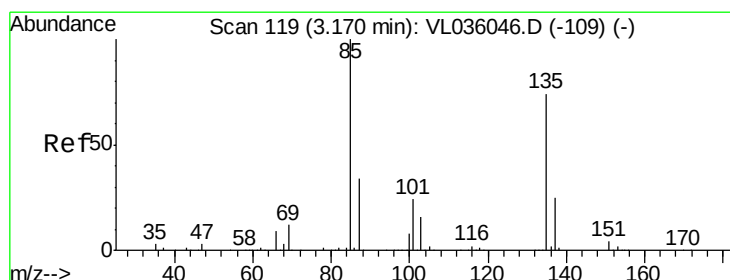
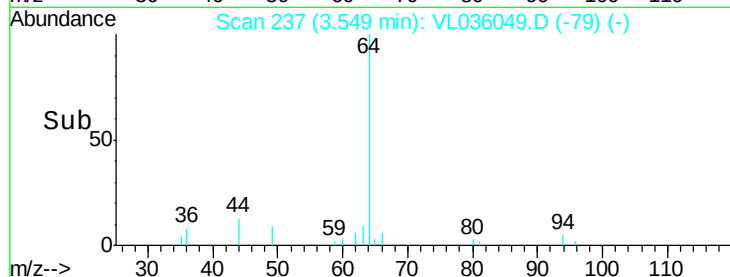
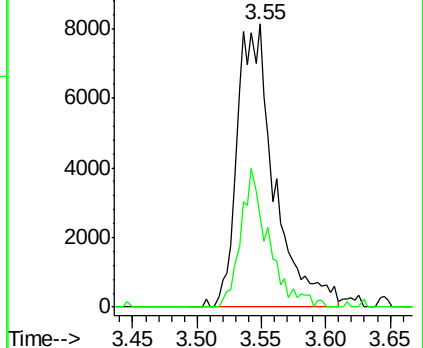
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.499 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.00 min

Lab File: VL036049.D

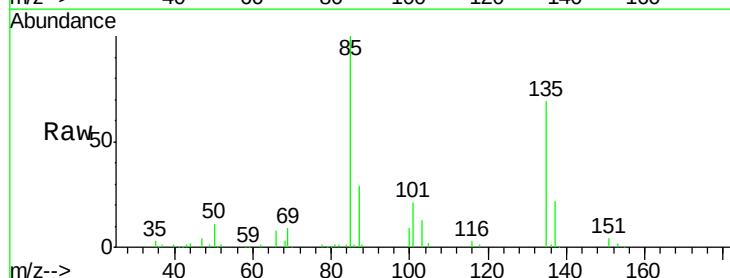
Acq: 3 Dec 2020 11:42

Tgt Ion: 85 Resp: 126710

Ion Ratio Lower Upper

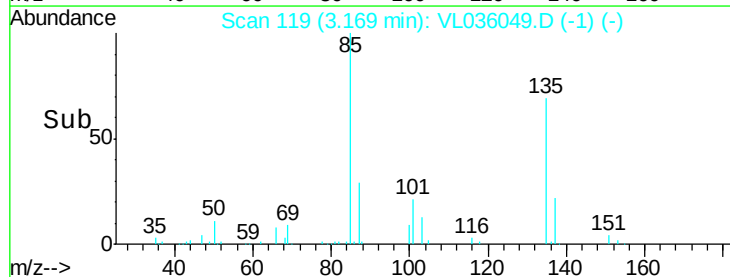
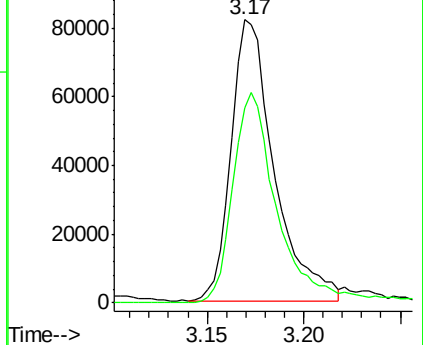
85 100

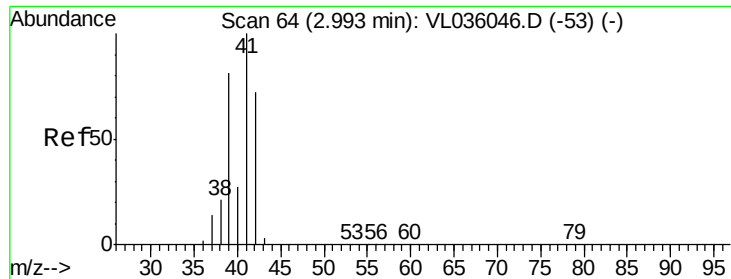
135 78.4 60.2 90.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.464 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.00 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 23954

Ion Ratio Lower Upper

41 100

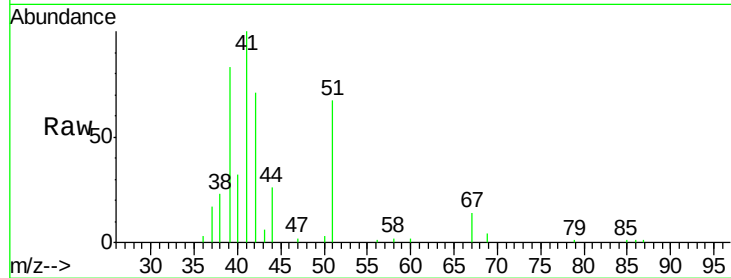
42 74.0 56.9 85.3

Manual Integrations

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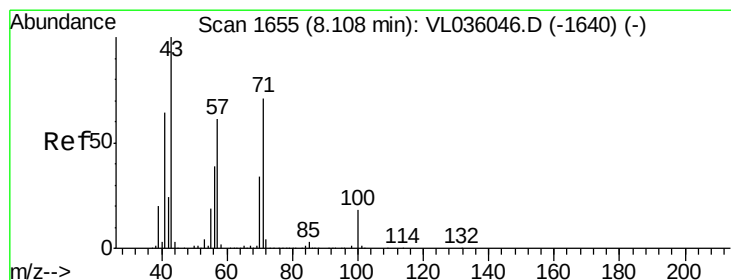
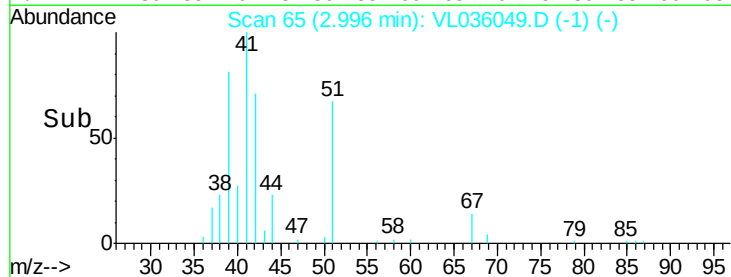
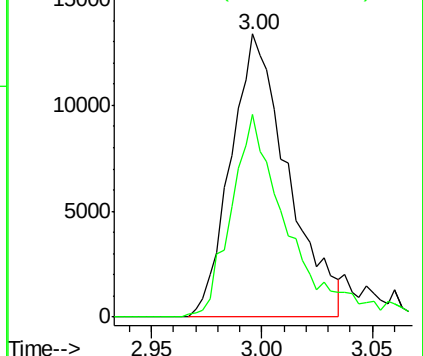
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.369 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VL036049.D

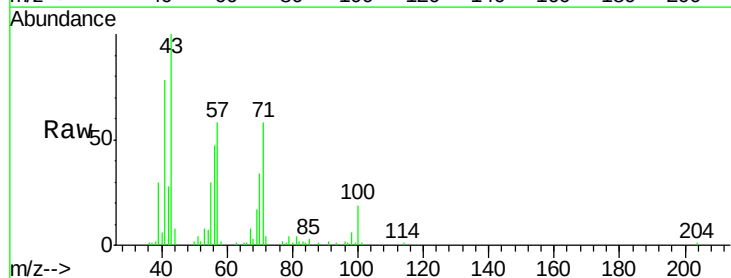
Acq: 3 Dec 2020 11:42

Tgt Ion: 43 Resp: 52662

Ion Ratio Lower Upper

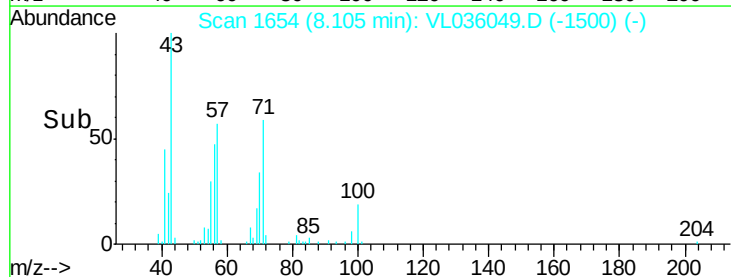
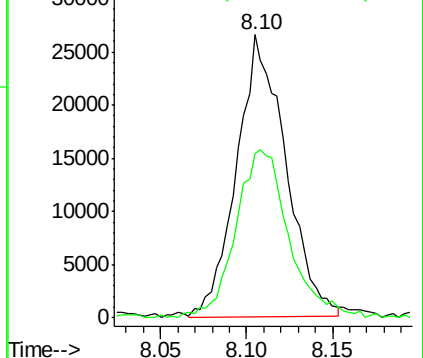
43 100

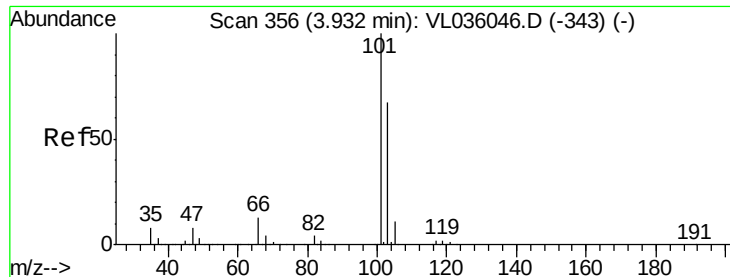
57 65.1 49.2 73.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





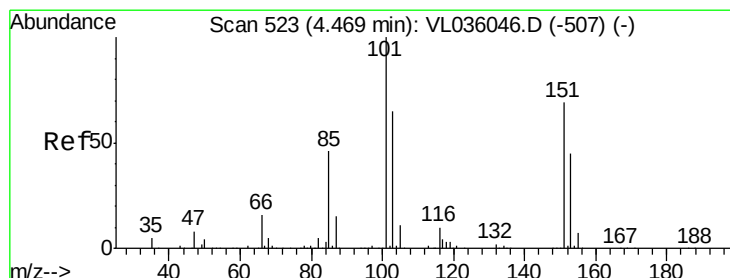
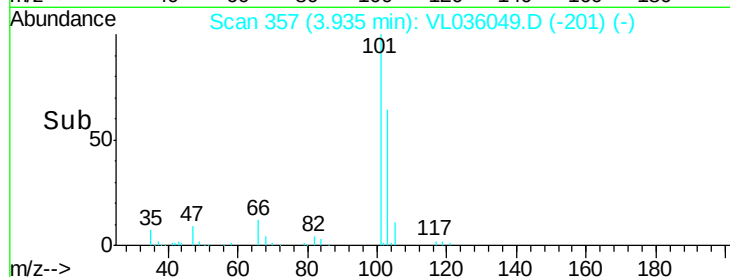
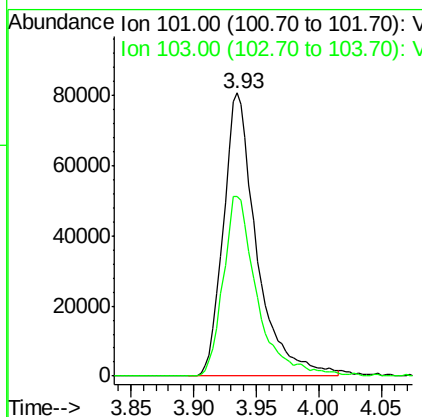
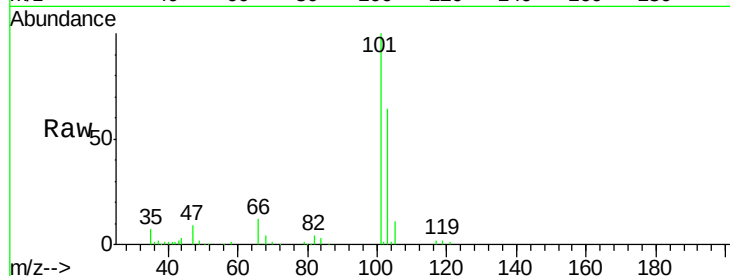
#11
 Trichlorofluoromethane
 Concen: 0.538 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VL036049.D
 Acq: 3 Dec 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:101 Resp: 149769
 Ion Ratio Lower Upper
 101 100
 103 63.7 53.2 79.8

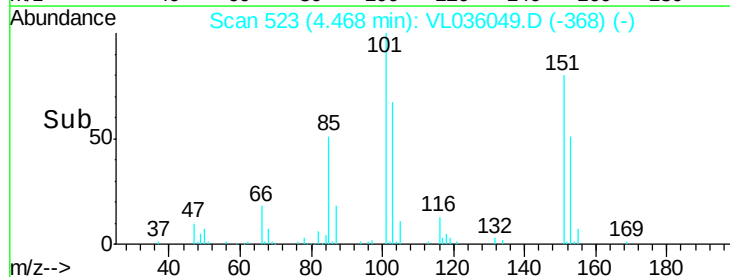
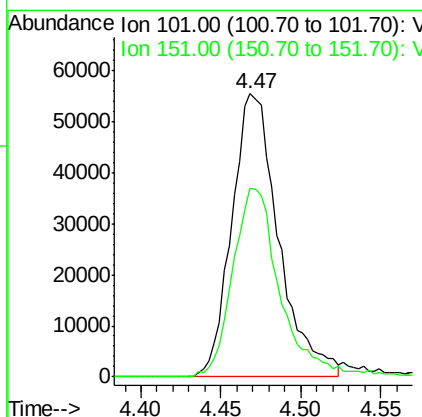
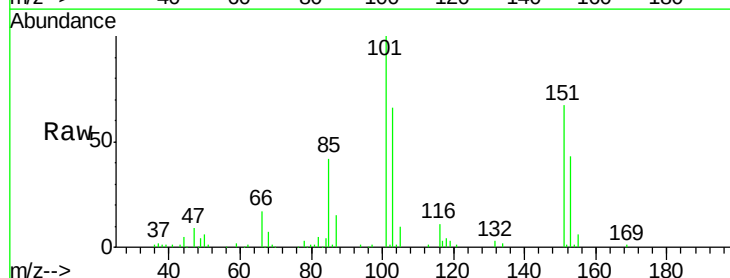
Manual Integrations
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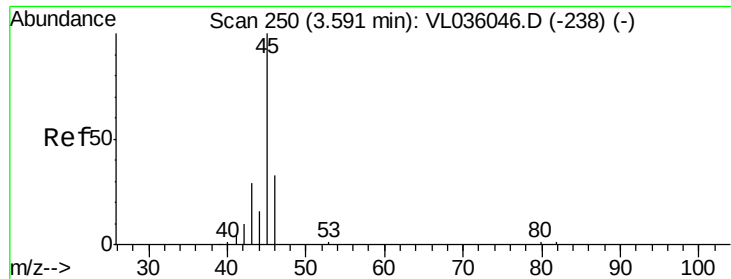
MMDadoda
 12/7/2020 12:08:20 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.534 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VL036049.D
 Acq: 3 Dec 2020 11:42

Tgt Ion:101 Resp: 110758
 Ion Ratio Lower Upper
 101 100
 151 68.0 56.1 84.1





#13

Ethanol

Concen: 0.555 ppbv m

RT: 3.60 min Scan# 253

Delta R.T. 0.01 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 6219

Ion Ratio Lower Upper

45 100

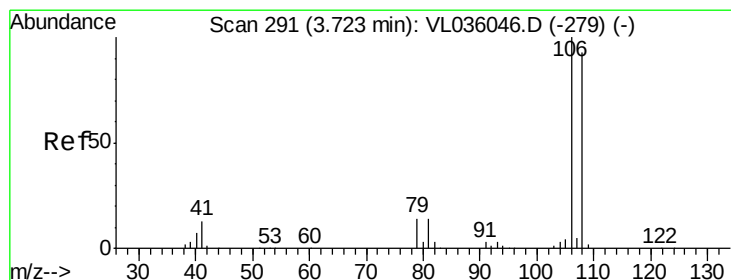
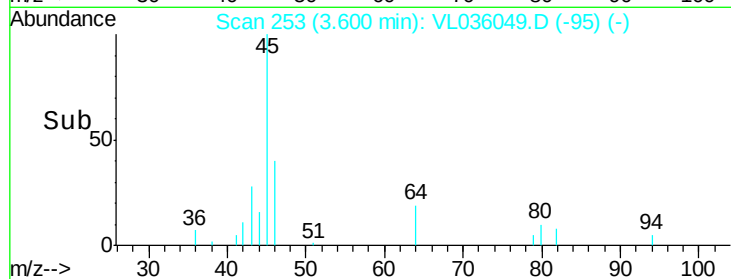
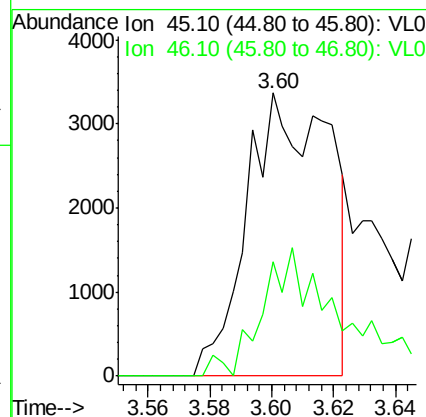
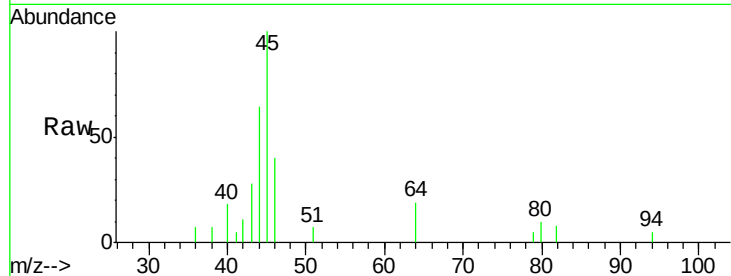
46 0.0 16.0 64.2#

Manual Integrations

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#14

Bromoethene

Concen: 0.446 ppbv m

RT: 3.73 min Scan# 292

Delta R.T. 0.00 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

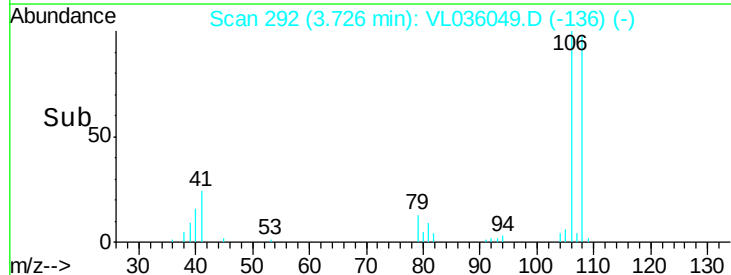
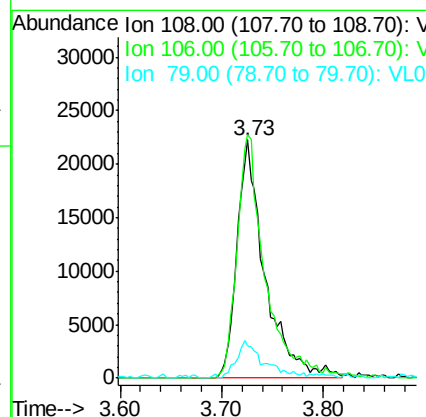
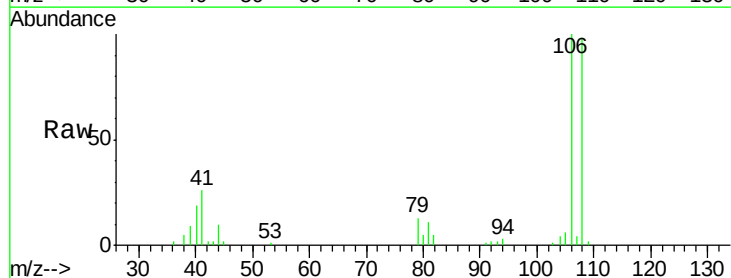
Tgt Ion: 108 Resp: 42609

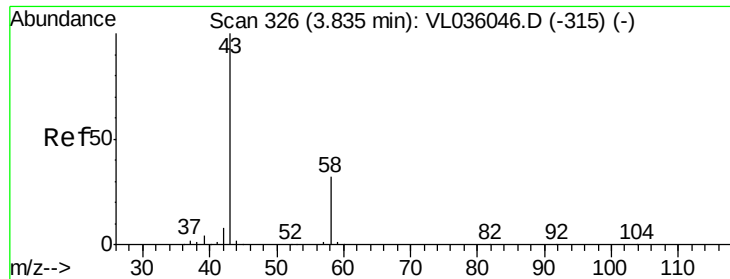
Ion Ratio Lower Upper

108 100

106 104.3 85.0 127.4

79 15.7 11.9 17.9





#15

Acetone

Concen: 0.473 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 59598

Ion Ratio Lower Upper

43 100

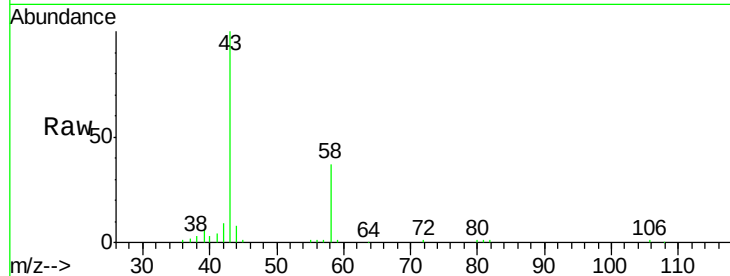
58 52.8 27.0 40.6#

Manual Integrations

APPROVED

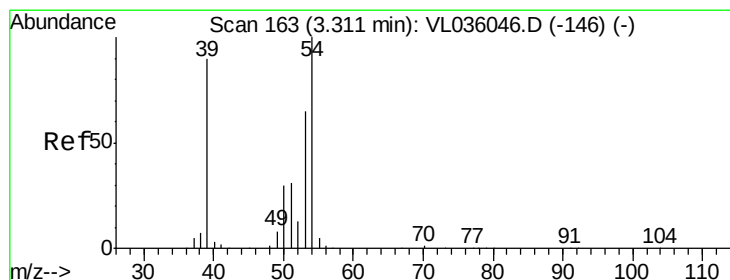
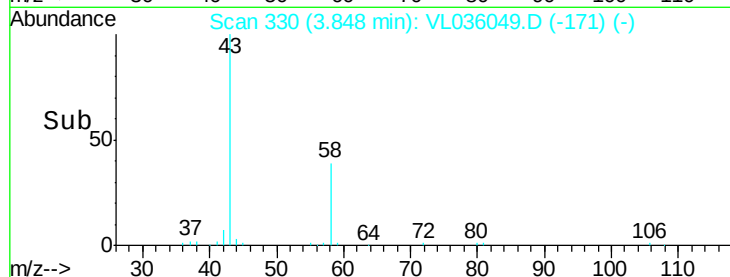
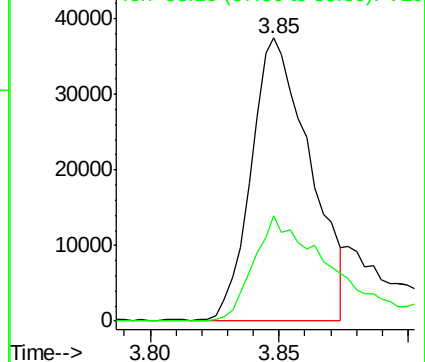
MMDadoda

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.494 ppbv m

RT: 3.31 min Scan# 164

Delta R.T. 0.00 min

Lab File: VL036049.D

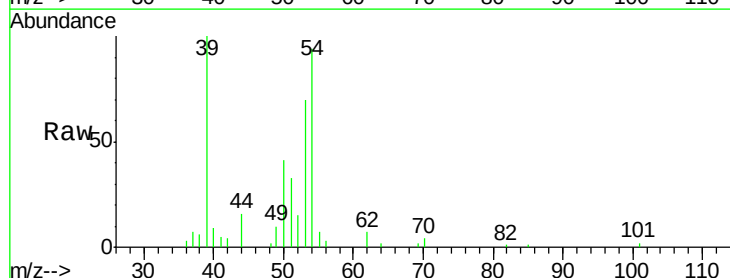
Acq: 3 Dec 2020 11:42

Tgt Ion: 39 Resp: 26802

Ion Ratio Lower Upper

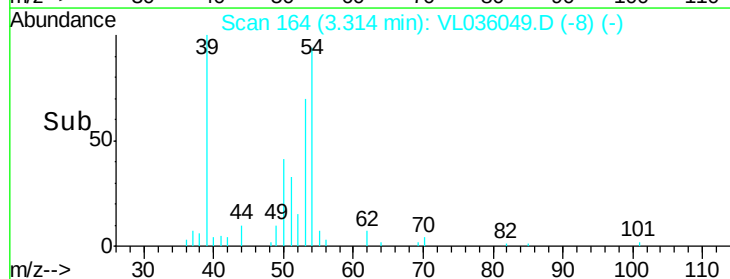
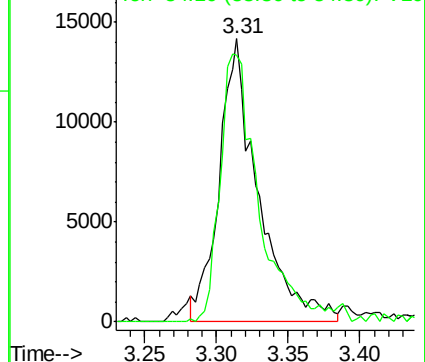
39 100

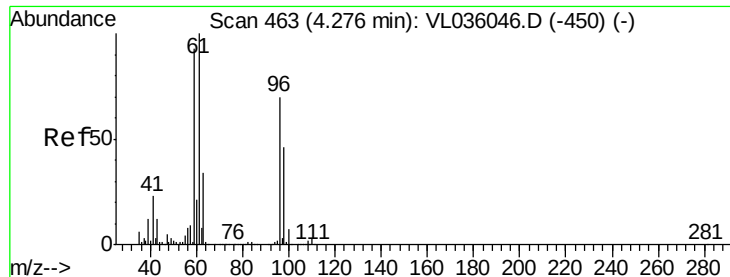
54 97.8 86.1 129.1



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

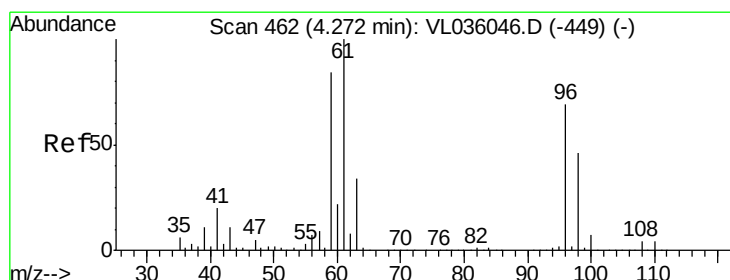
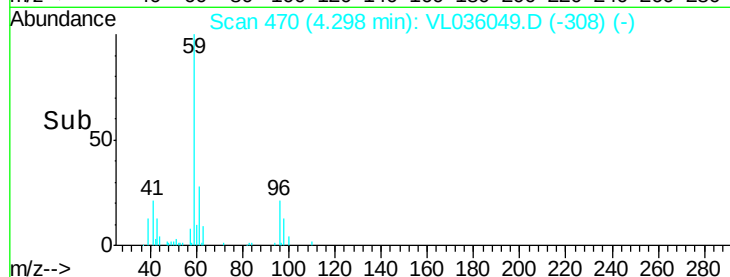
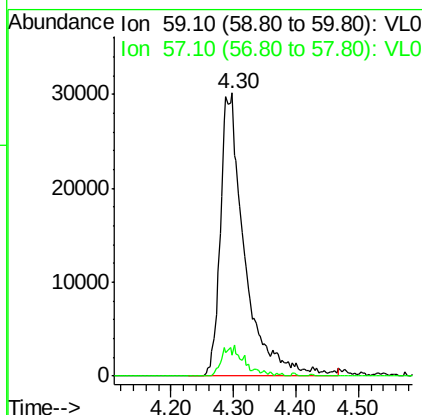
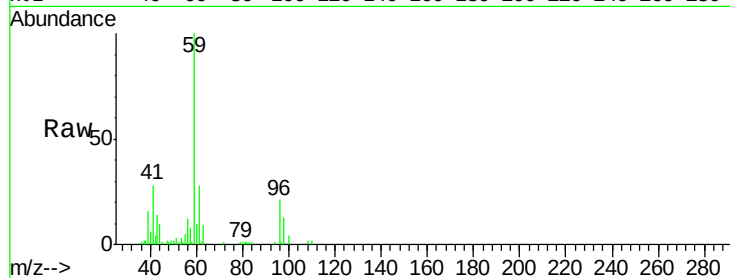
tert-Butyl alcohol
 Concen: 0.490 ppbv m
 RT: 4.30 min Scan# 470
 Delta R.T. 0.02 min
 Lab File: VL036049.D
 Acq: 3 Dec 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 59 Resp: 81751
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

Manual Integrations
 APPROVED

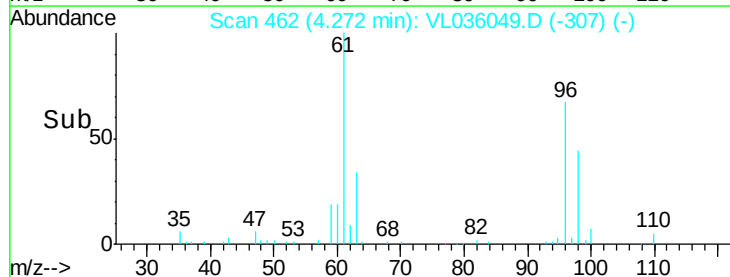
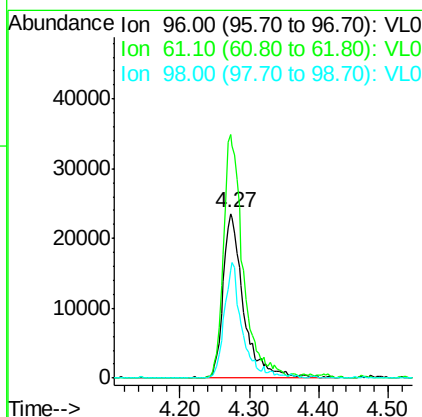
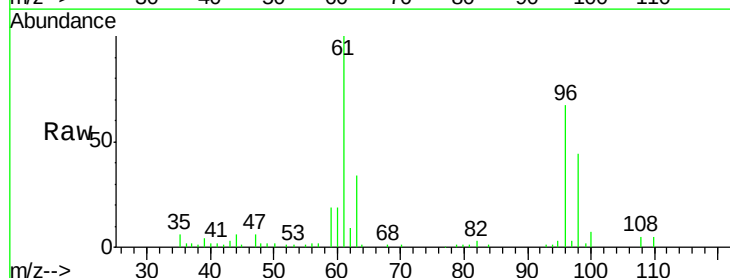
MMDadoda
 12/7/2020 12:08:20 PM

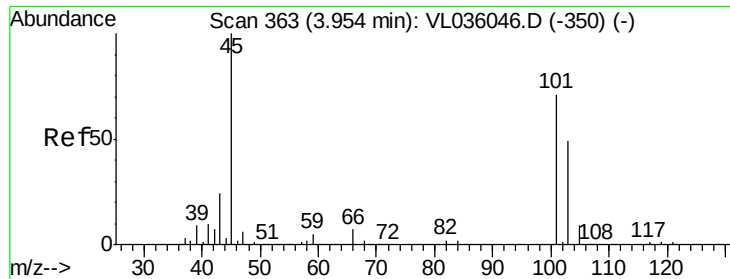


#18

1,1-Dichloroethene
 Concen: 0.508 ppbv m
 RT: 4.27 min Scan# 462
 Delta R.T. -0.00 min
 Lab File: VL036049.D
 Acq: 3 Dec 2020 11:42

Tgt Ion: 96 Resp: 48370
 Ion Ratio Lower Upper
 96 100
 61 148.2 115.8 173.6
 98 65.4 53.1 79.7





#19

Isopropyl Alcohol

Concen: 0.544 ppbv m

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

Tot Ion: 45 Resp: 42094

Ion Ratio Lower Upper

45 100

58 8.7 3.4 5.0#

Instrument :

MSVOA_L

ClientSampleId :

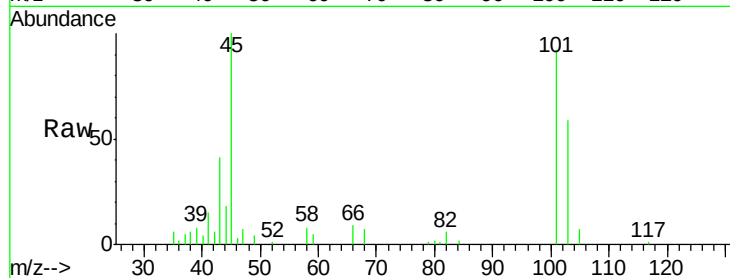
VSTDIC0.5

Manual Integrations

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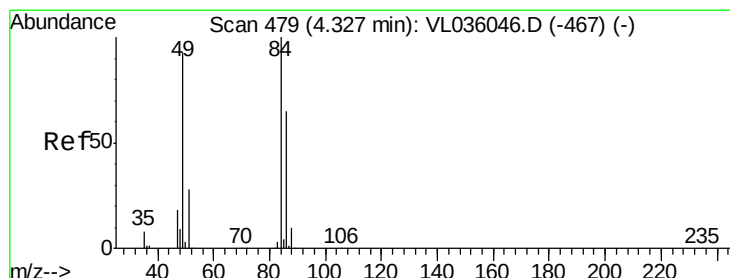
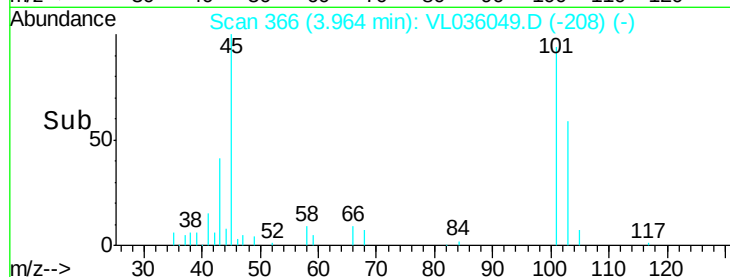
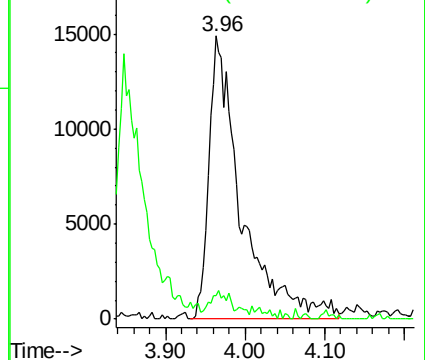
MMDadoda

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.807 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

Tgt Ion: 84 Resp: 71561

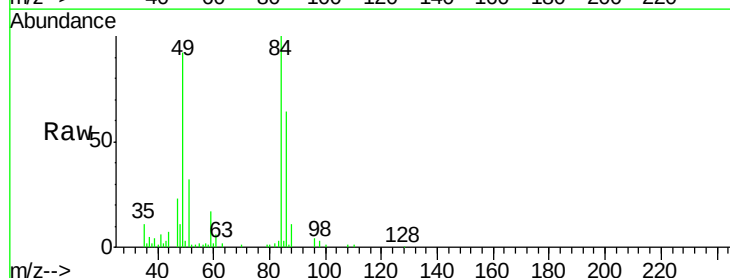
Ion Ratio Lower Upper

84 100

49 91.3 74.4 111.6

51 30.0 22.5 33.7

86 63.9 52.2 78.2

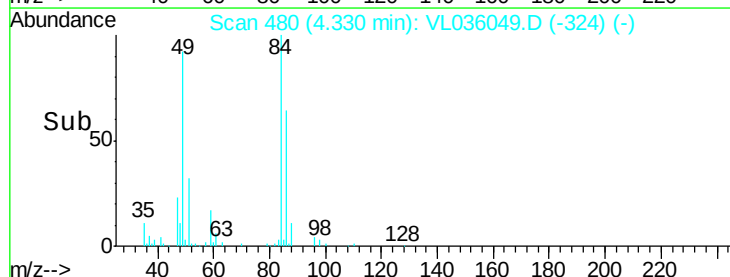
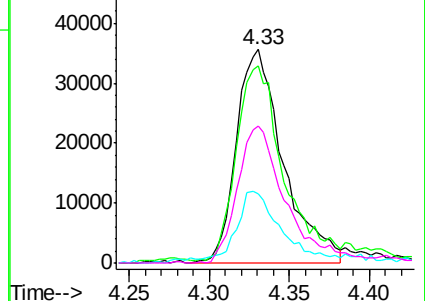


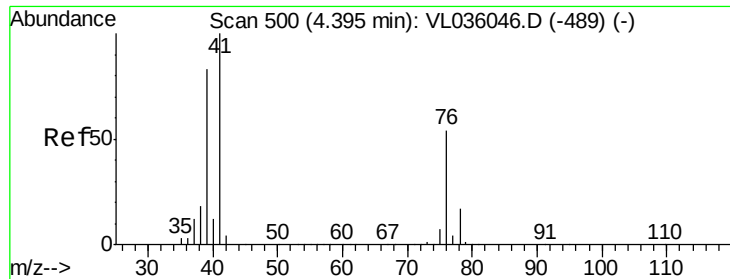
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





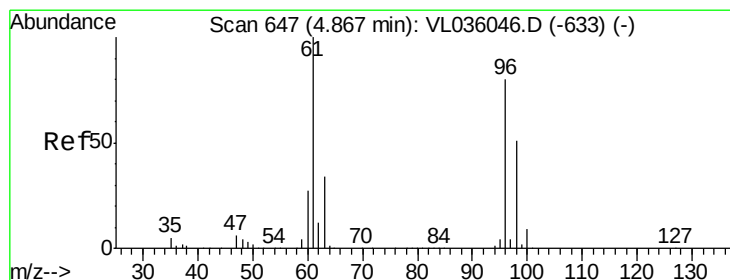
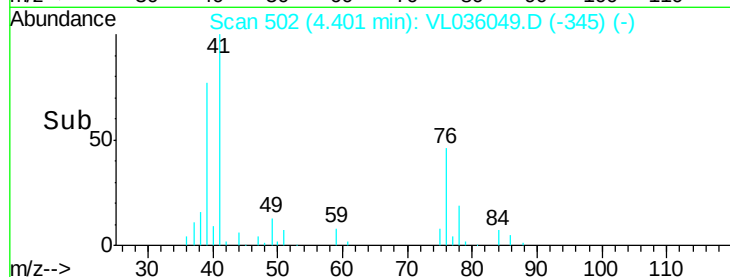
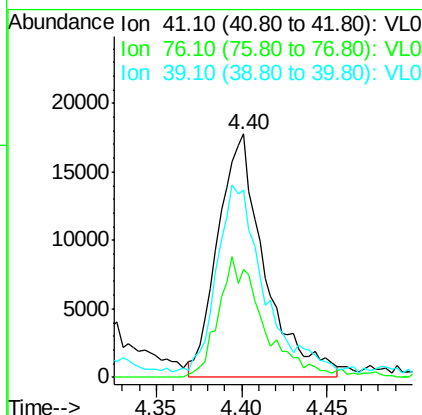
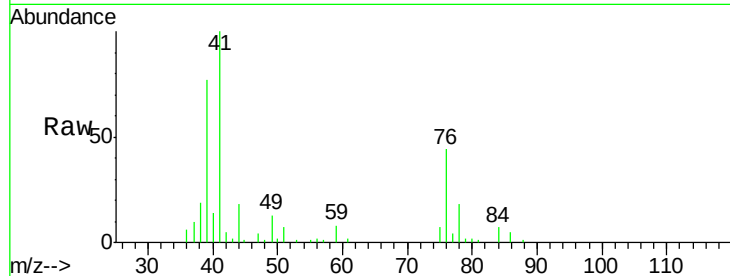
#21
Allvl Chloride
Concen: 0.495 ppbv m
RT: 4.40 min Scan# 502
Delta R.T. 0.01 min
Lab File: VL036049.D
Acq: 3 Dec 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
76	48.8	42.4	63.6
39	90.0	69.0	103.6

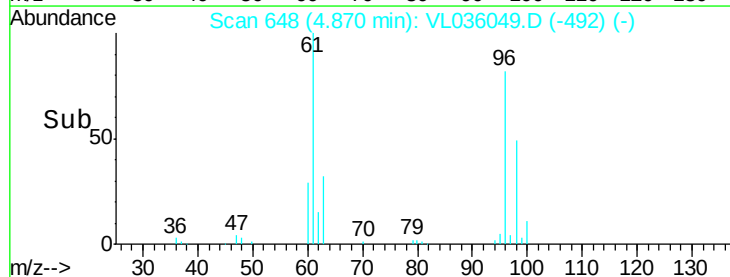
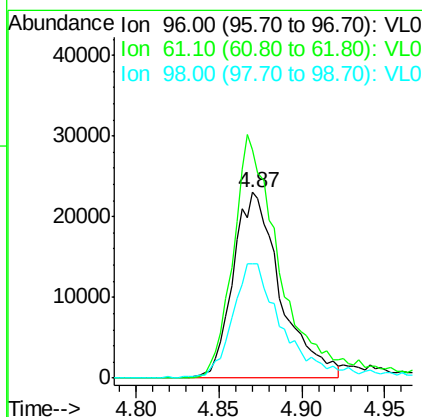
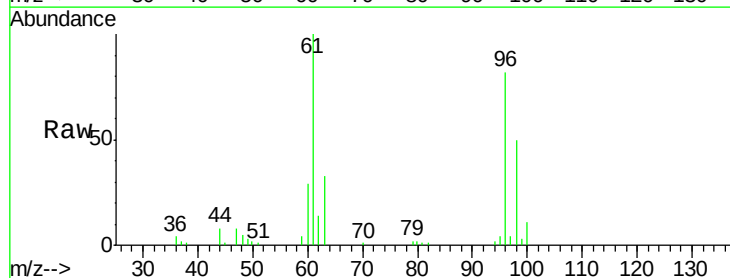
Manual Integrations
APPROVED

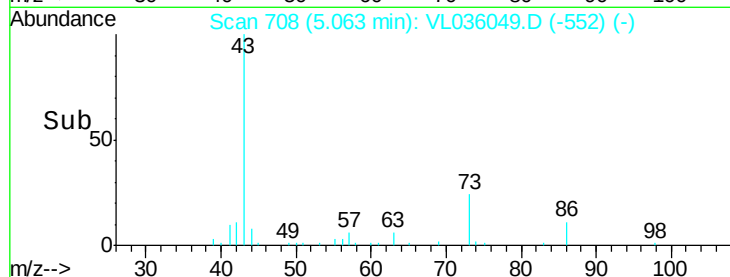
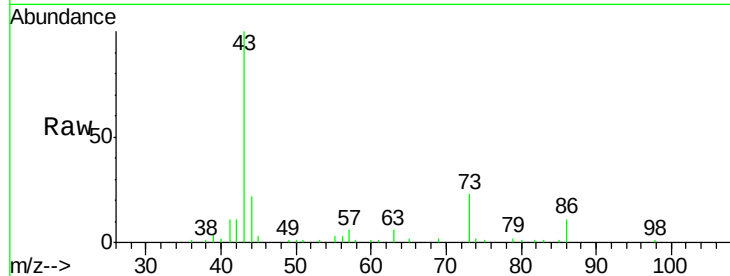
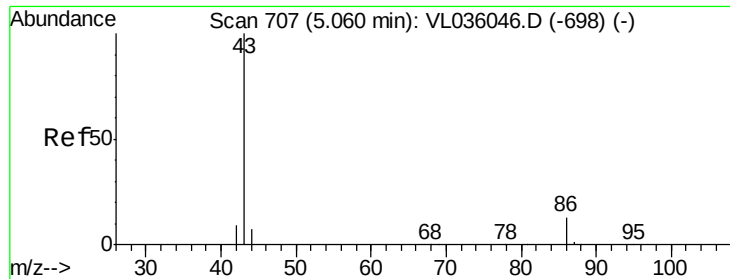
MMDadoda
12/7/2020 12:08:20 PM



#22
trans-1,2-Dichloroethene
Concen: 0.478 ppbv
RT: 4.87 min Scan# 648
Delta R.T. 0.00 min
Lab File: VL036049.D
Acq: 3 Dec 2020 11:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	122.4	99.8	149.6
98	60.7	51.1	76.7





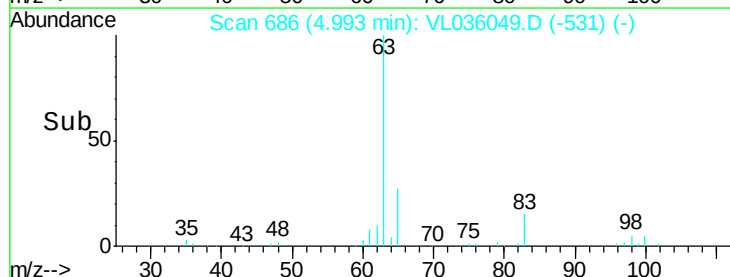
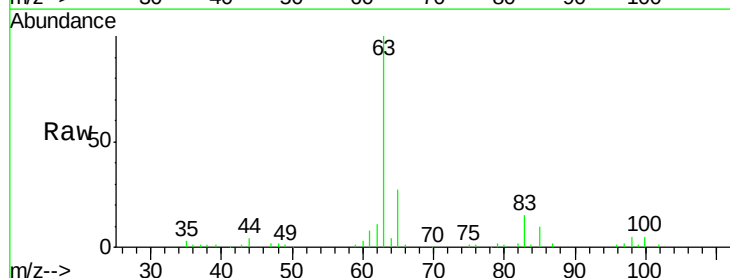
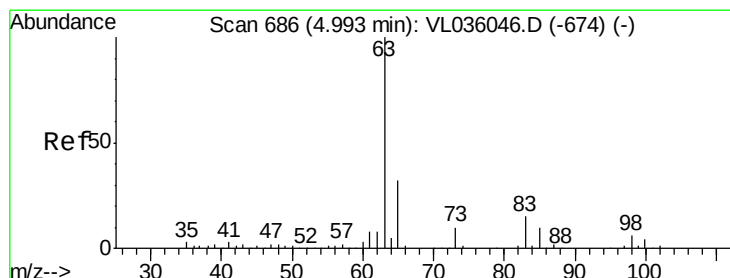
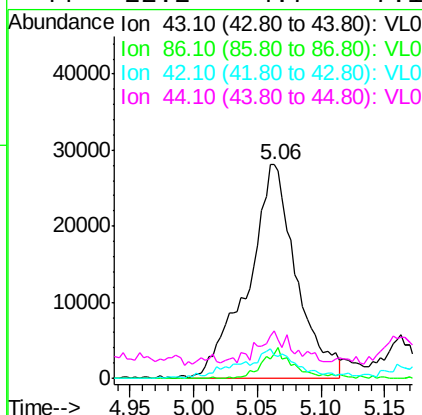
#23
Vinyl Acetate
Concen: 0.418 ppbv m
RT: 5.06 min Scan# 708
Delta R.T. 0.00 min
Lab File: VL036049.D
Acq: 3 Dec 2020 11:42

Tot Ion	43	Resp	73863
Ion Ratio	100	Lower	Upper
43	100		
86	11.1	9.3	13.9
42	10.7	8.1	12.1
44	22.2	4.7	7.1#

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

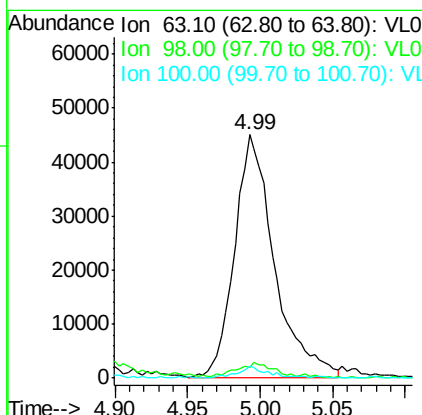
Manual Integrations
APPROVED

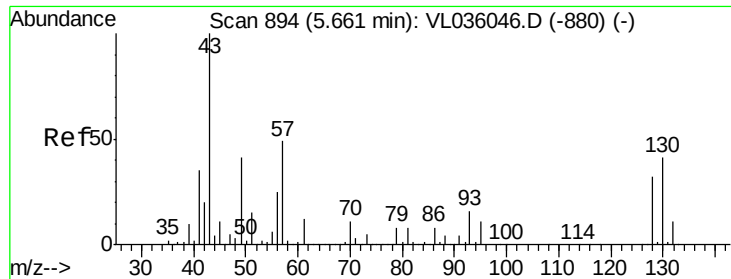
MMDadoda
12/7/2020 12:08:20 PM



#24
1,1-Dichloroethane
Concen: 0.516 ppbv
RT: 4.99 min Scan# 686
Delta R.T. -0.00 min
Lab File: VL036049.D
Acq: 3 Dec 2020 11:42

Tgt Ion	63	Resp	86787
Ion Ratio	100	Lower	Upper
63	100		
98	4.0	3.1	9.3
100	4.7	1.9	5.7





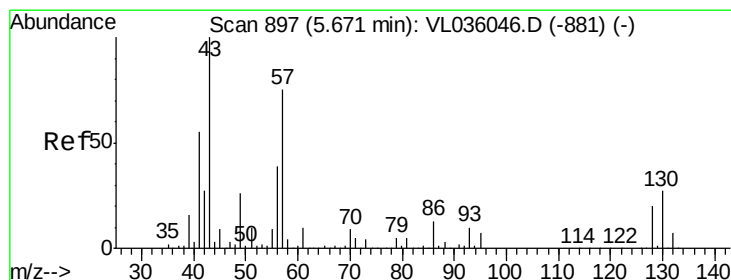
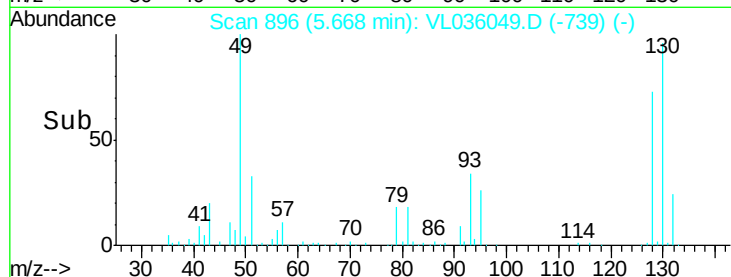
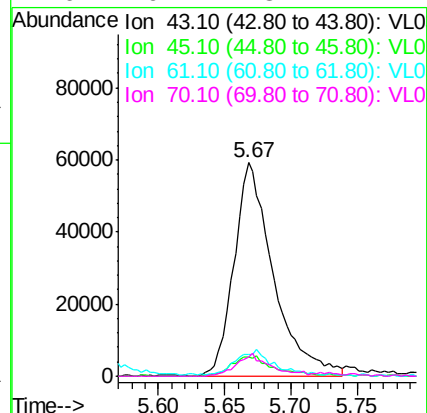
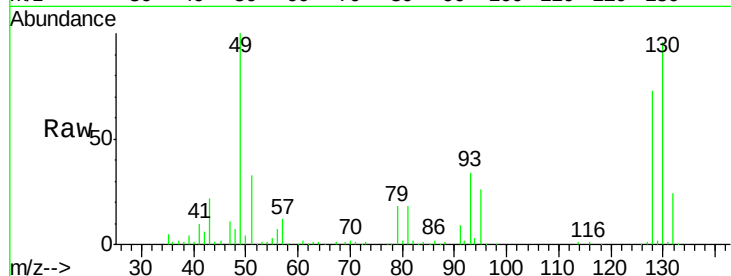
#25
Ethyl Acetate
Concen: 0.494 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL036049.D
Acq: 3 Dec 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.6	13.0
61	12.1	10.6	16.0
70	10.7	8.1	12.1

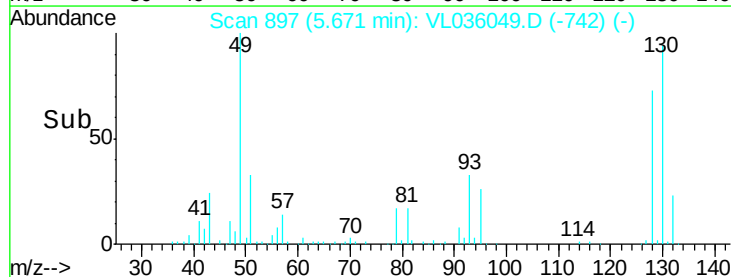
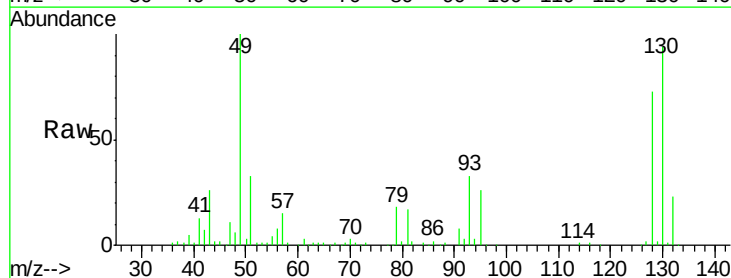
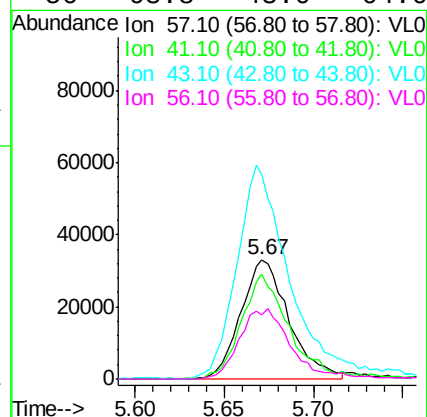
Manual Integrations
APPROVED

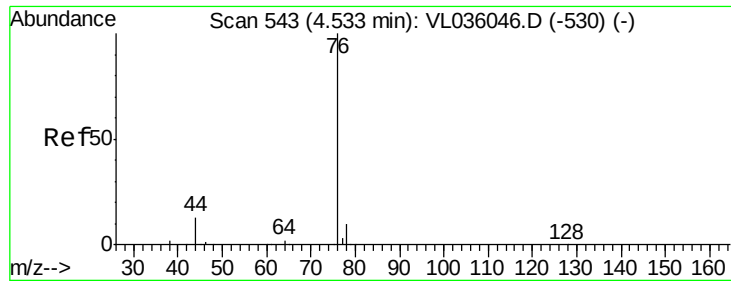
MMDadoda
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#26
Hexane
Concen: 0.454 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL036049.D
Acq: 3 Dec 2020 11:42

Tgt Ion	Ratio	Lower	Upper
57	100		
41	89.6	61.6	92.4
43	208.1	152.9	229.3
56	63.8	43.0	64.6





#27

Carbon Disulfide

Concen: 0.412 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.00 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

Instrument :

MSVOA_L

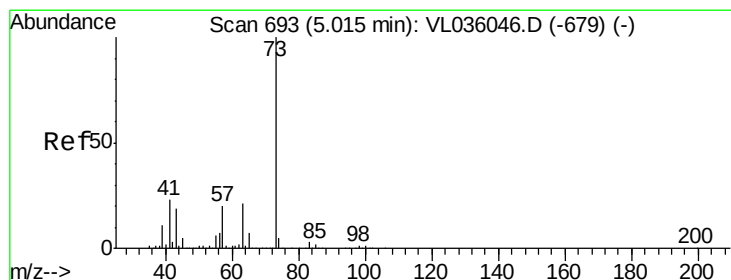
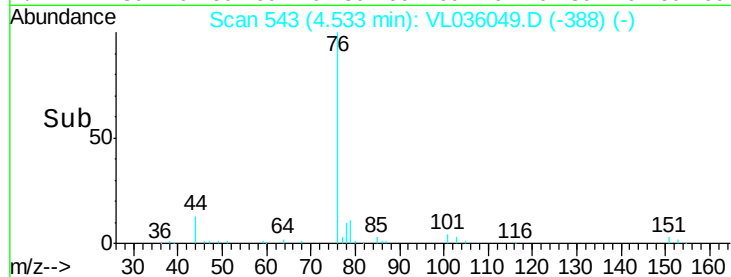
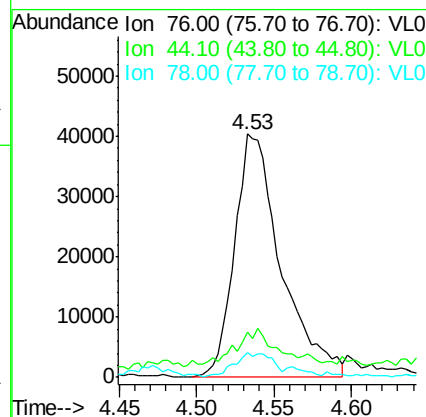
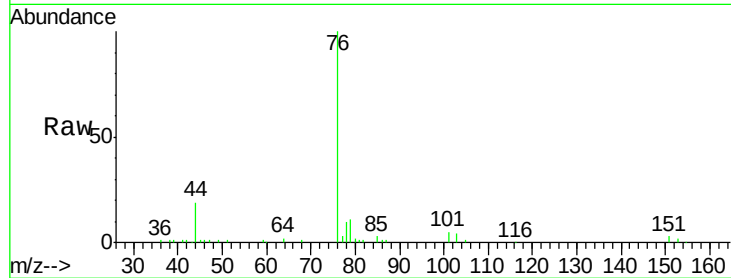
ClientSampleId :

VSTDIC0.5

Tot Ion:	76	Resp:	84427
Ion Ratio	Lower	Upper	
76	100		
44	14.7	9.6	14.4#
78	12.1	7.7	11.5#

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#28

Methyl tert-Butyl Ether

Concen: 0.360 ppbv

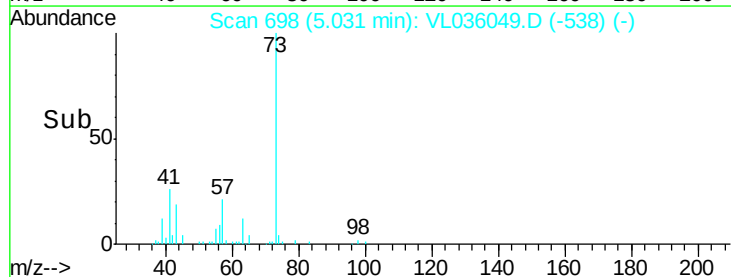
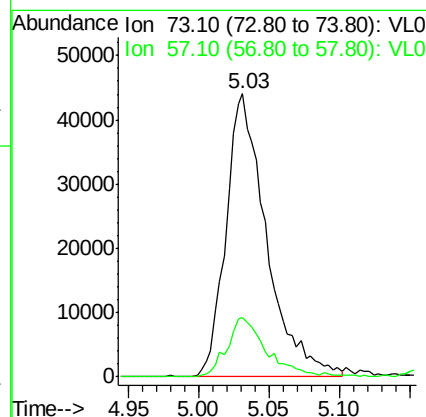
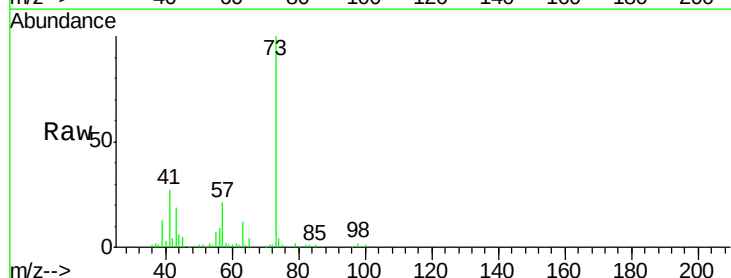
RT: 5.03 min Scan# 698

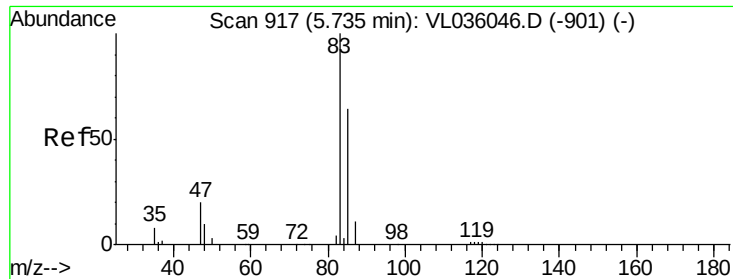
Delta R.T. 0.02 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

Tgt Ion:	73	Resp:	88496
Ion Ratio	Lower	Upper	
73	100		
57	20.8	15.8	23.8





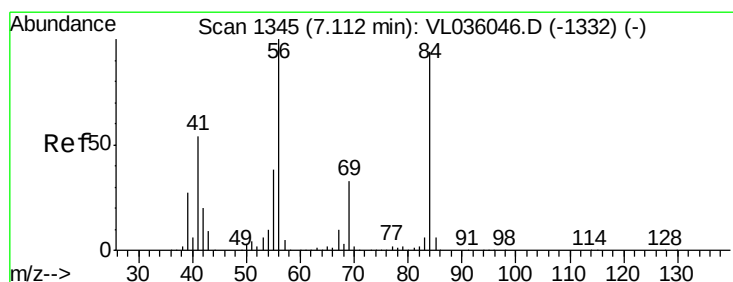
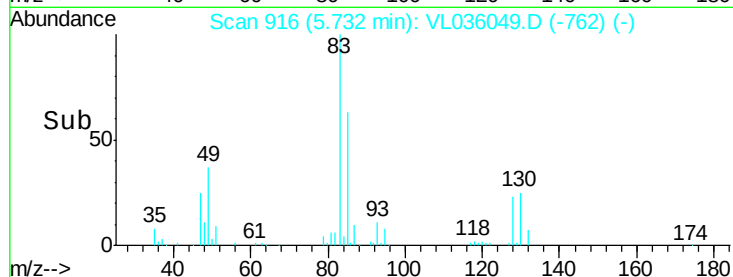
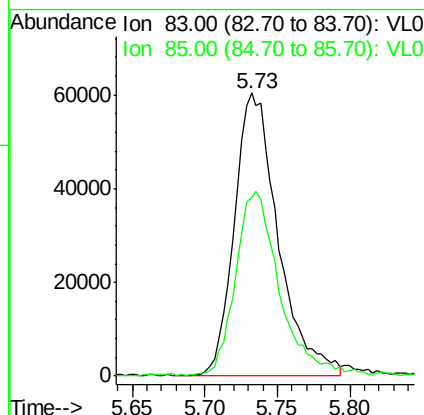
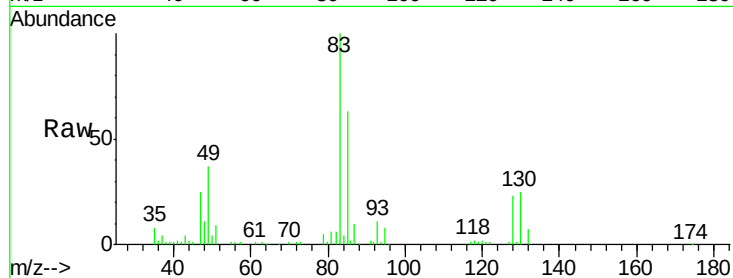
#29
Chloroform
Concen: 0.472 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.00 min
Lab File: VL036049.D
Acq: 3 Dec 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 83 Resp: 126959
Ion Ratio Lower Upper
83 100
85 62.5 51.6 77.4

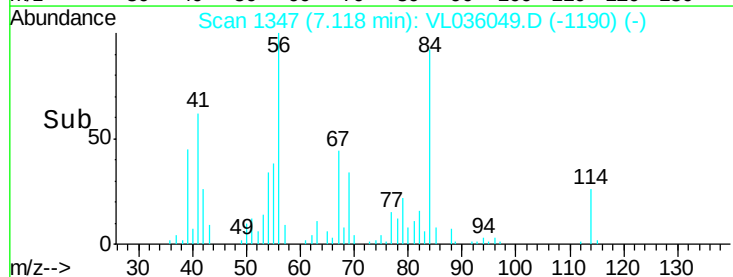
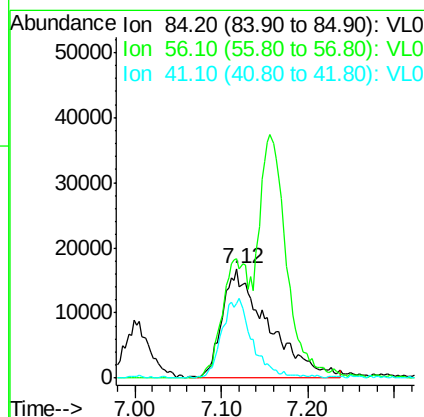
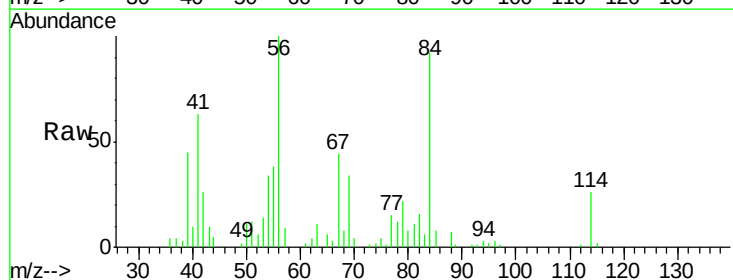
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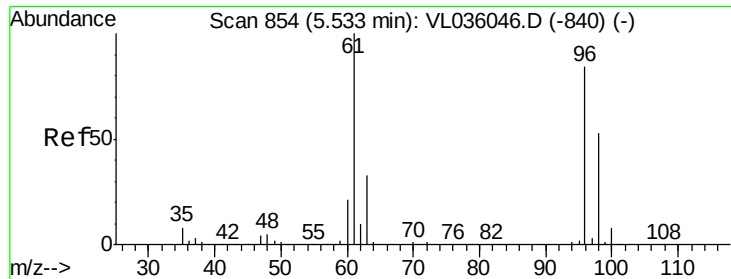
MMDadoda
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#30
Cyclohexane
Concen: 0.417 ppbv m
RT: 7.12 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VL036049.D
Acq: 3 Dec 2020 11:42

Tgt Ion: 84 Resp: 62081
Ion Ratio Lower Upper
84 100
56 0.0 89.9 134.9#
41 48.8 46.1 69.1





#31

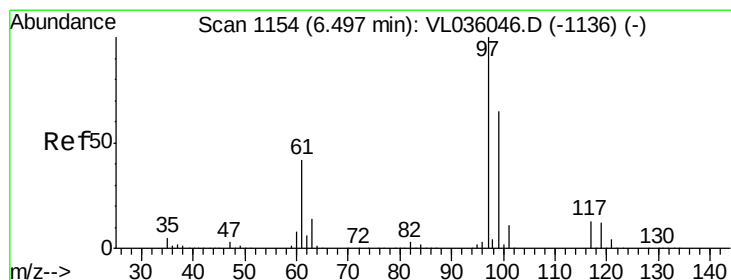
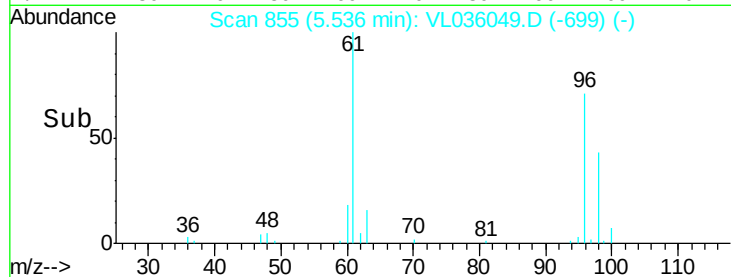
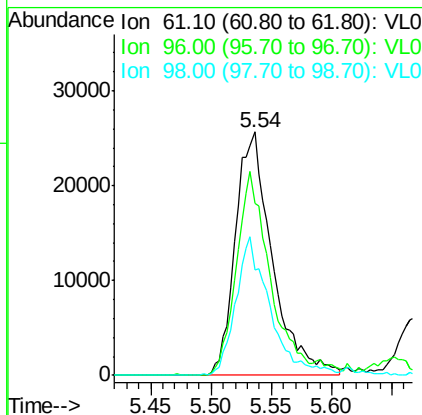
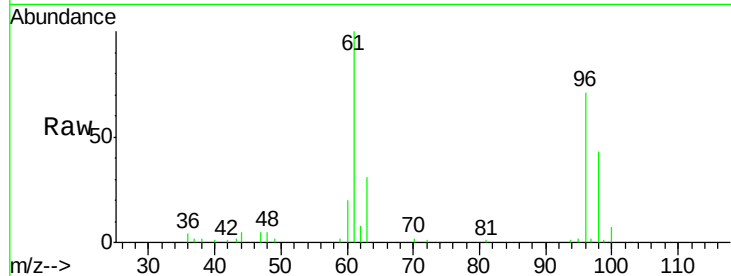
cis-1,2-Dichloroethene
Concen: 0.381 ppbv m
RT: 5.54 min Scan# 855
Delta R.T. 0.00 min
Lab File: VL036049.D
Acq: 3 Dec 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
61	100		
96	70.7	66.8	100.2
98	43.2	42.6	63.8

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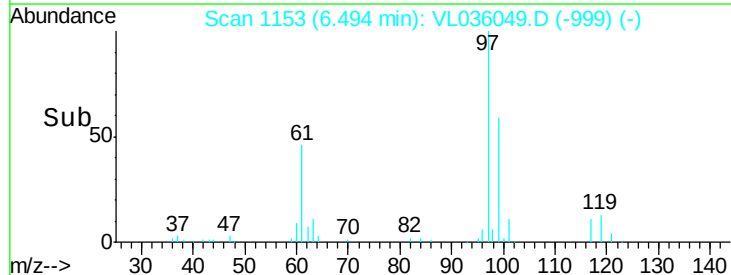
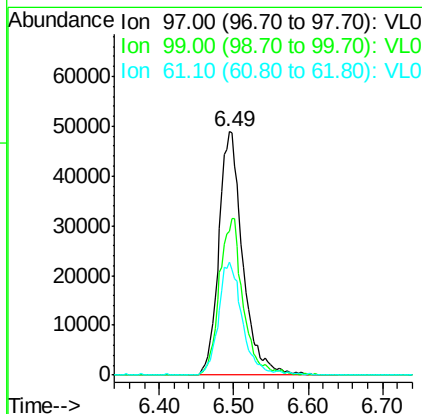
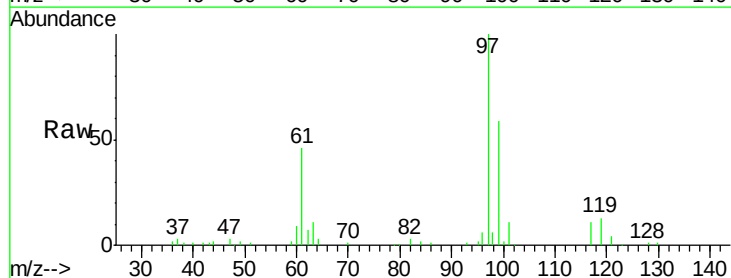
MMDadoda
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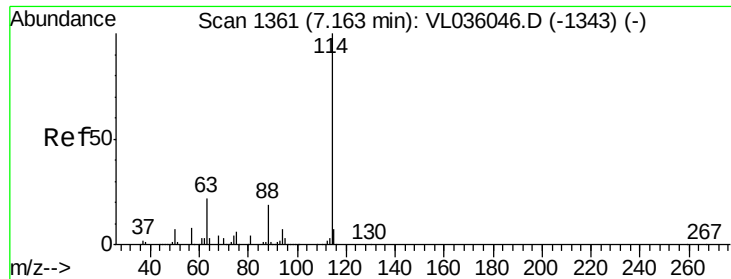


#32

1,1,1-Trichloroethane
Concen: 0.386 ppbv m
RT: 6.49 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VL036049.D
Acq: 3 Dec 2020 11:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.4	78.6
61	46.5	34.7	52.1





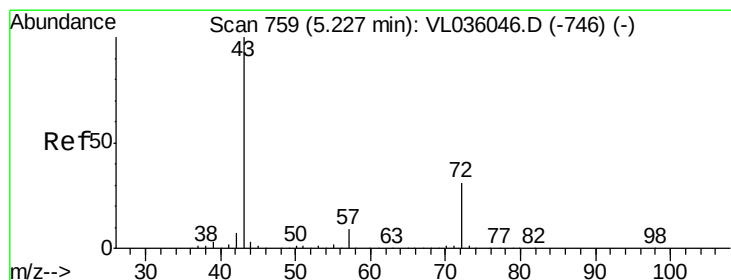
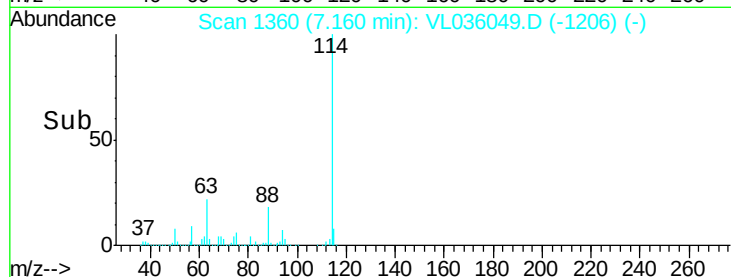
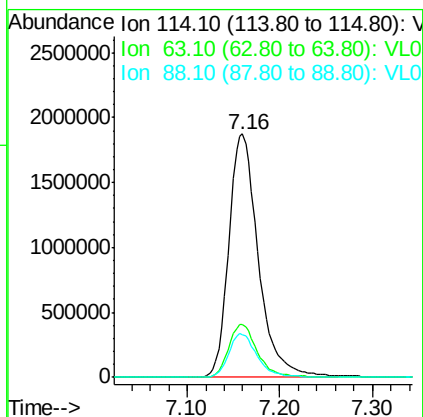
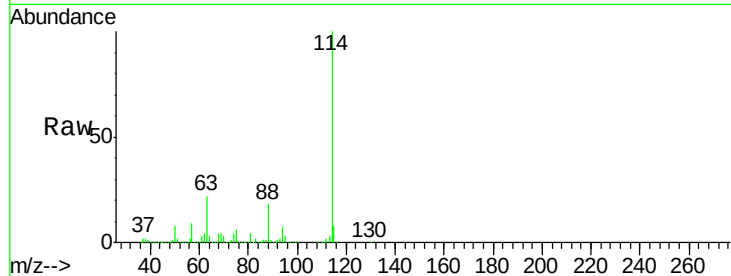
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VL036049.D
 Acq: 3 Dec 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:114 Resp: 4132854
 Ion Ratio Lower Upper
 114 100
 63 21.5 17.2 25.8
 88 17.5 14.0 21.0

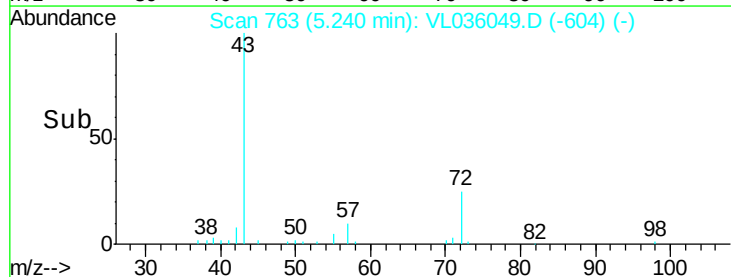
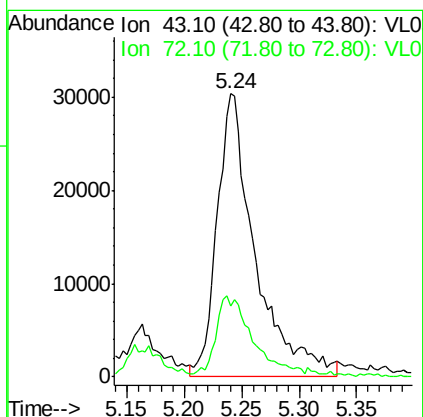
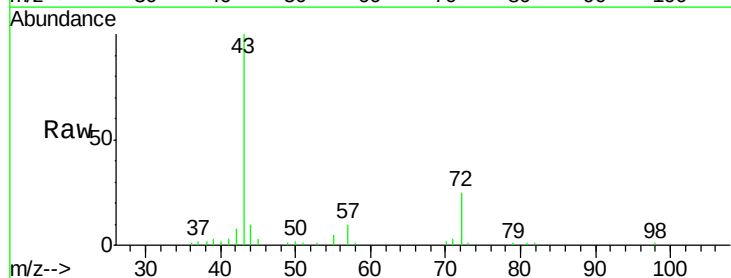
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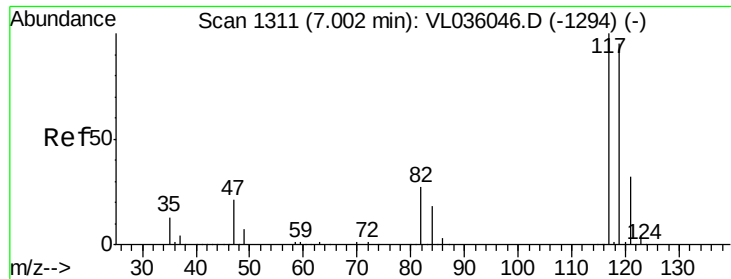
MMDadoda
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#34
 2-Butanone
 Concen: 0.525 ppbv m
 RT: 5.24 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VL036049.D
 Acq: 3 Dec 2020 11:42

Tgt Ion: 43 Resp: 70462
 Ion Ratio Lower Upper
 43 100
 72 29.8 24.5 36.7





#35

Carbon Tetrachloride

Concen: 0.469 ppbv m

RT: 7.00 min Scan# 1309

Delta R.T. -0.01 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

Instrument :

MSVOA_L

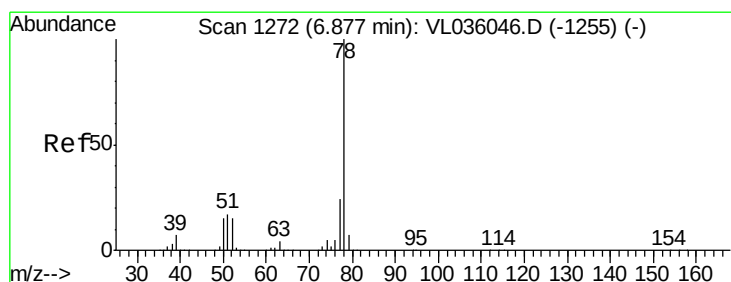
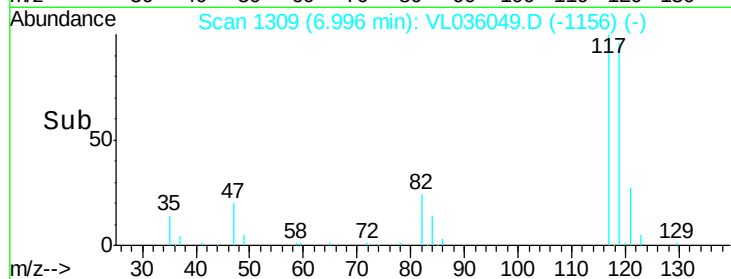
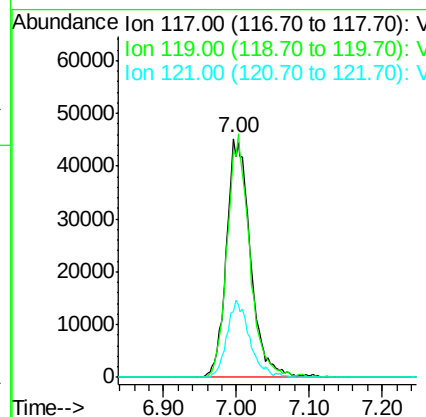
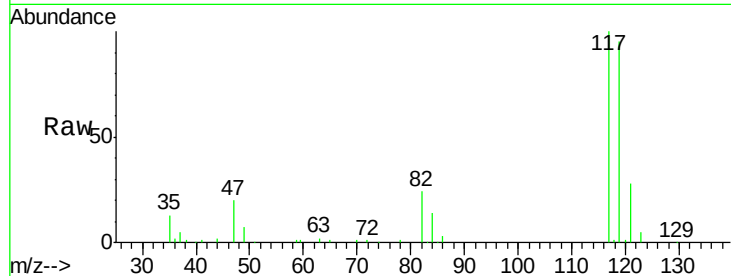
ClientSampleId :

VSTDIC0.5

Tot Ion:	117	Resp:	103625
Ion Ratio	Lower	Upper	
117	100		
119	95.4	75.9	113.9
121	27.7	25.8	38.8

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#36

Benzene

Concen: 0.404 ppbv

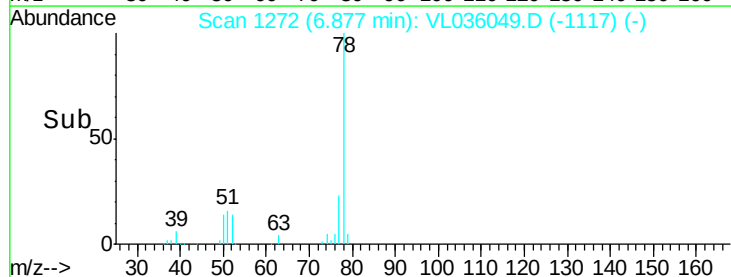
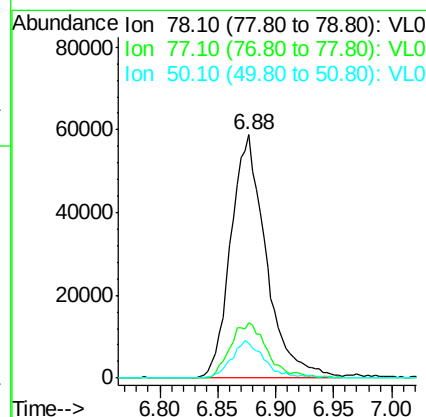
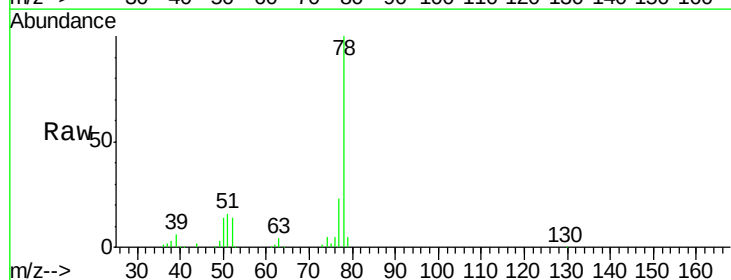
RT: 6.88 min Scan# 1272

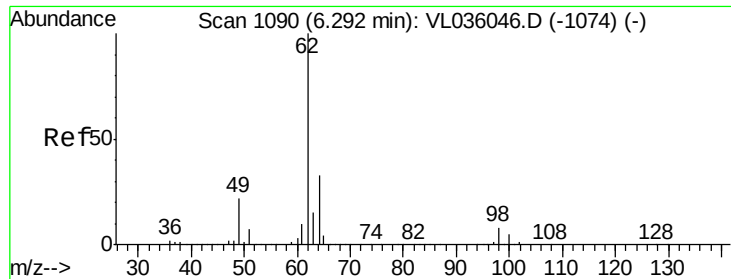
Delta R.T. -0.00 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

Tgt Ion:	78	Resp:	124264
Ion Ratio	Lower	Upper	
78	100		
77	22.9	19.1	28.7
50	14.1	12.0	18.0





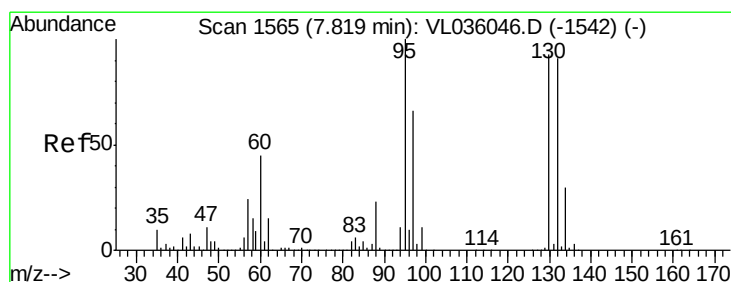
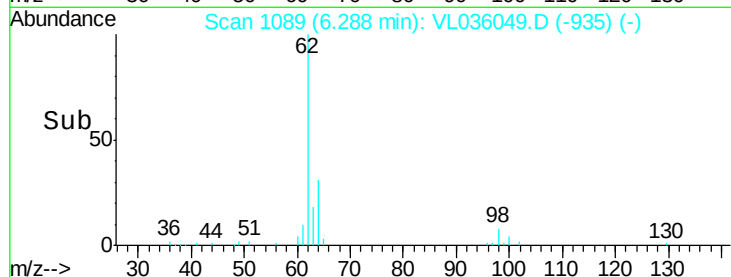
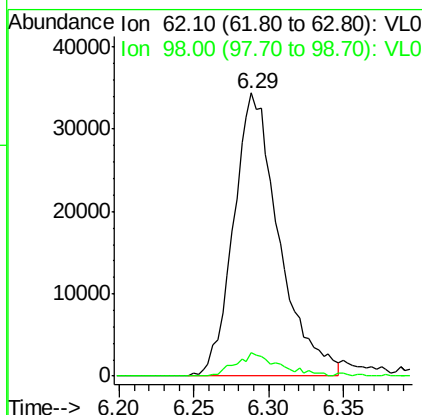
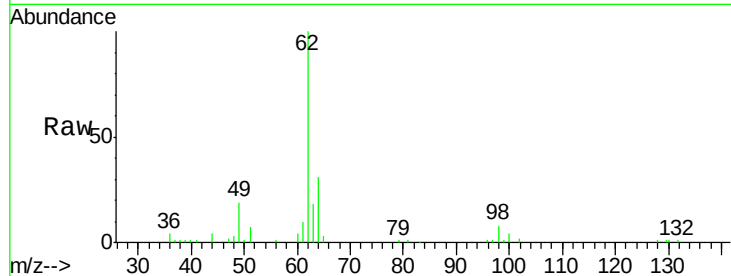
#37
 1,2-Dichloroethane
 Concen: 0.522 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VL036049.D
 Acq: 3 Dec 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.7	6.4	9.6

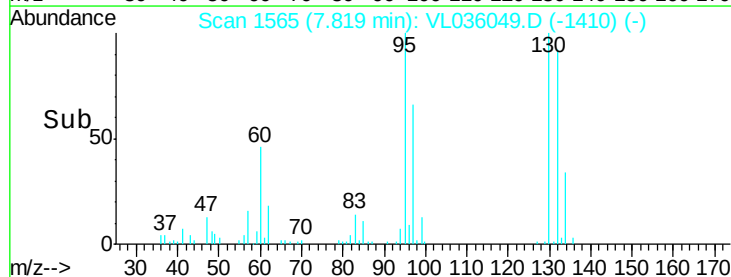
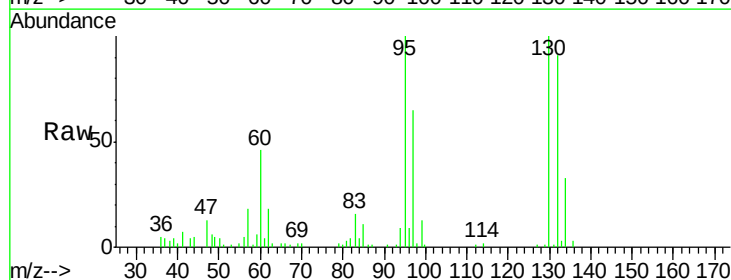
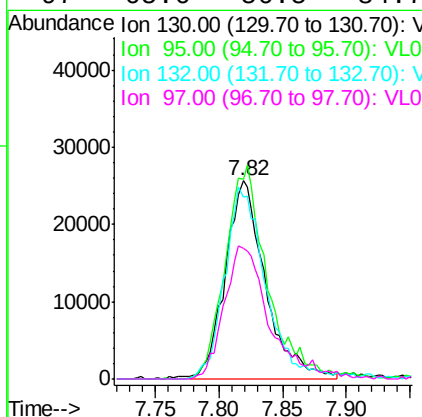
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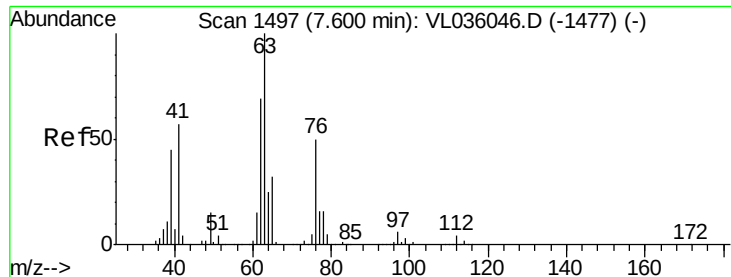
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#38
 Trichloroethene
 Concen: 0.374 ppbv m
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VL036049.D
 Acq: 3 Dec 2020 11:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.4	86.1	129.1
132	91.7	78.6	118.0
97	65.6	56.5	84.7





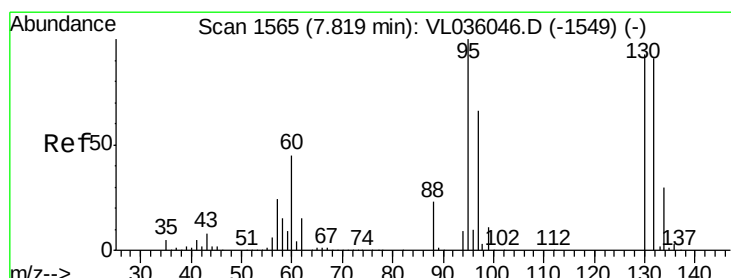
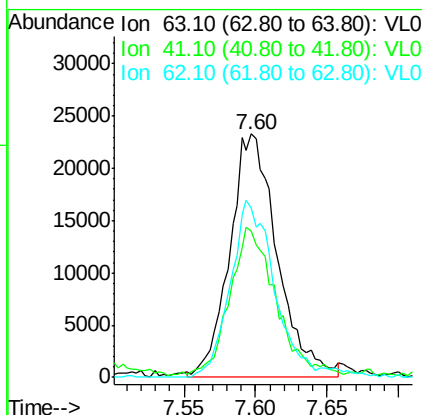
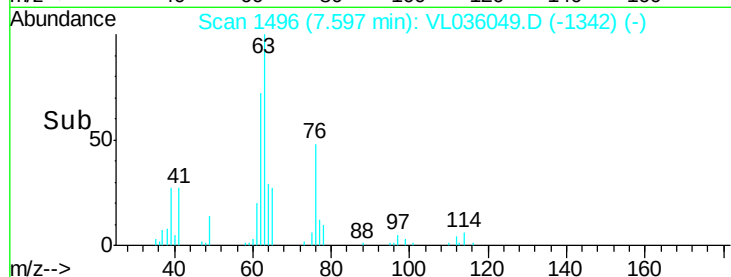
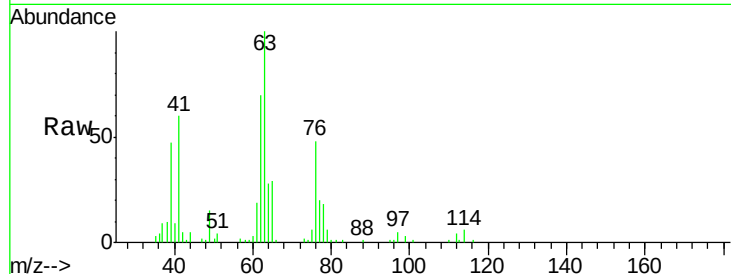
#39
 1,2-Dichloropropane
 Concen: 0.521 ppbv m
 RT: 7.60 min Scan# 1496
 Delta R.T. -0.00 min
 Lab File: VL036049.D
 Acq: 3 Dec 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
63	100		
41	59.9	45.4	68.0
62	69.7	55.3	82.9

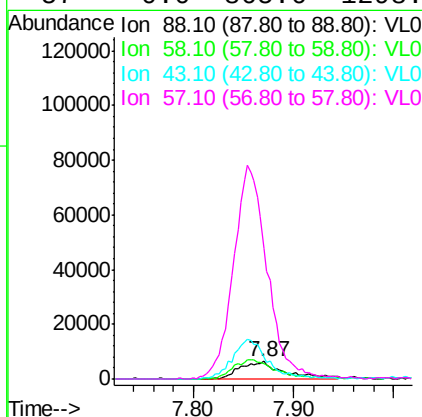
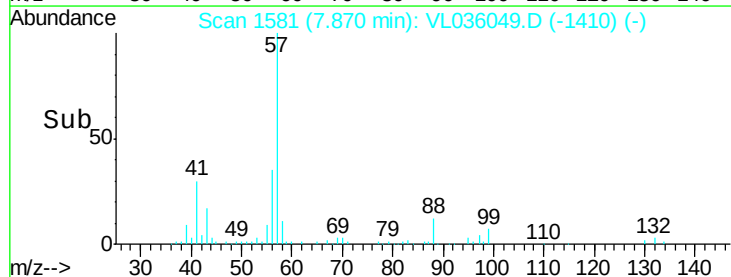
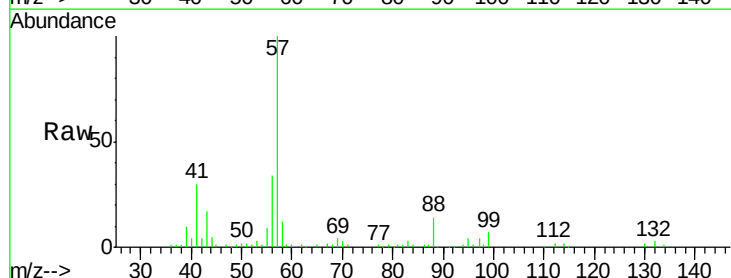
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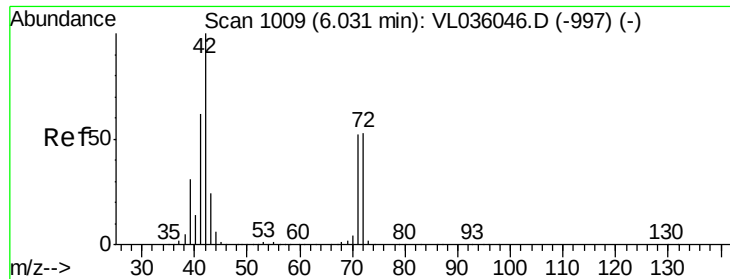
MMDadoda
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#40
 1,4-Dioxane
 Concen: 0.396 ppbv m
 RT: 7.87 min Scan# 1581
 Delta R.T. 0.05 min
 Lab File: VL036049.D
 Acq: 3 Dec 2020 11:42

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	91.0	136.6#
43	0.0	163.3	244.9#
57	0.0	865.6	1298.4#





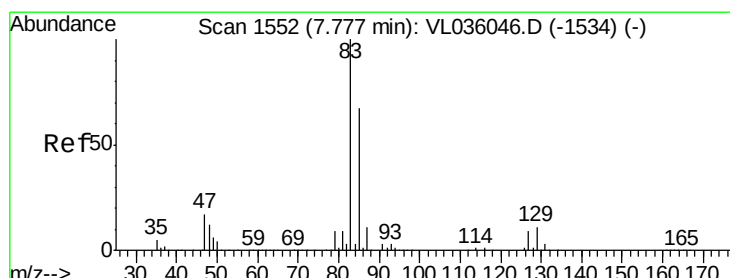
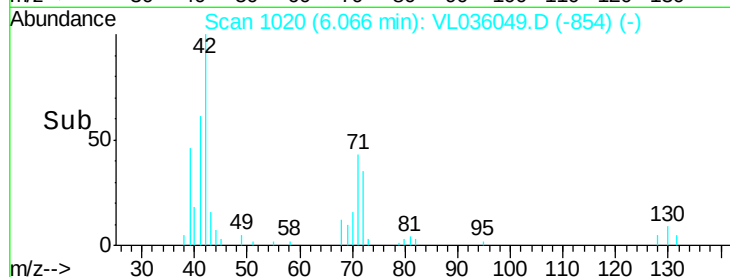
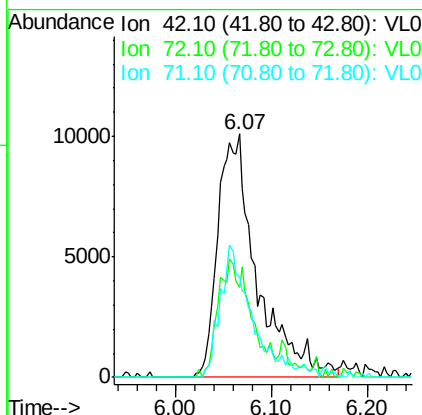
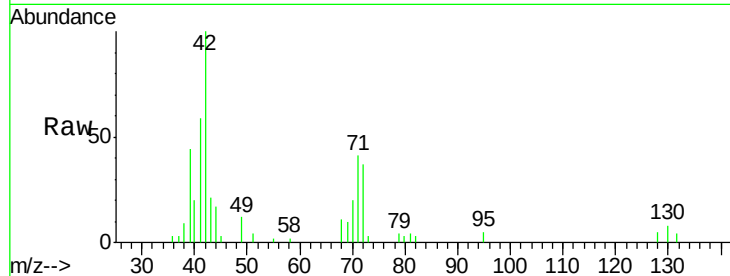
#41
Tetrahydrofuran
Concen: 0.377 ppbv m
RT: 6.07 min Scan# 1020
Delta R.T. 0.04 min
Lab File: VL036049.D
Acq: 3 Dec 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	42.7	64.1
71	43.9	41.0	61.4

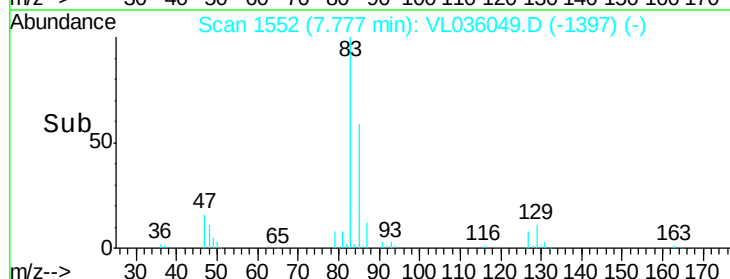
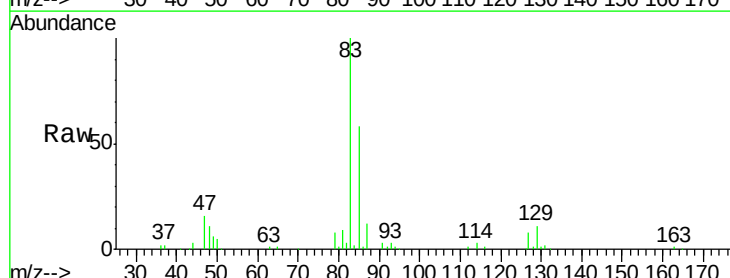
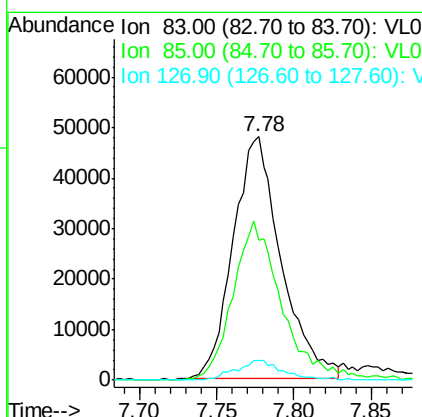
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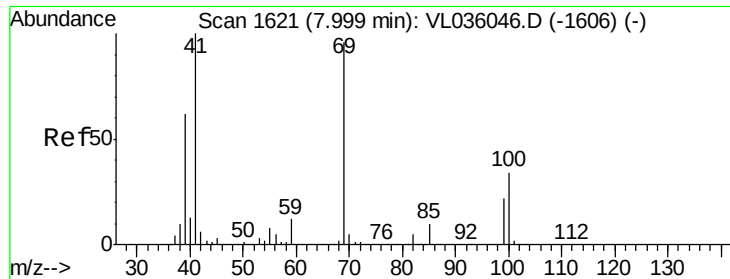
MMDadoda
12/7/2020 12:08:20 PM



#42
Bromodichloromethane
Concen: 0.443 ppbv
RT: 7.78 min Scan# 1552
Delta R.T. -0.00 min
Lab File: VL036049.D
Acq: 3 Dec 2020 11:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.5	53.7	80.5
127	8.3	7.0	10.6





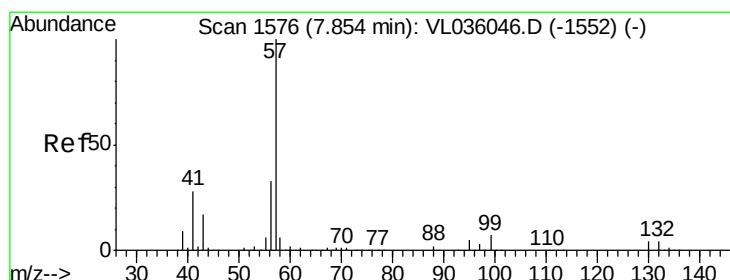
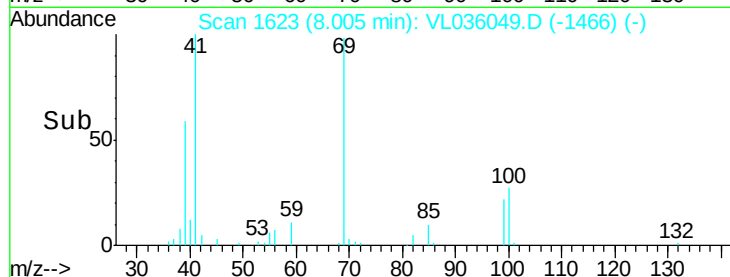
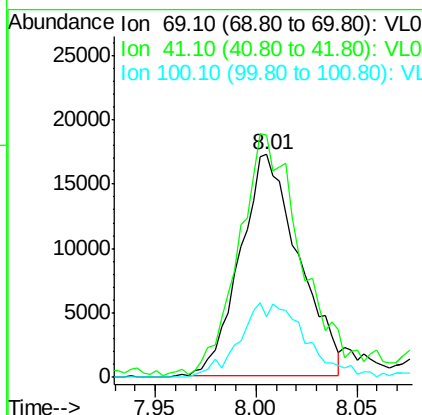
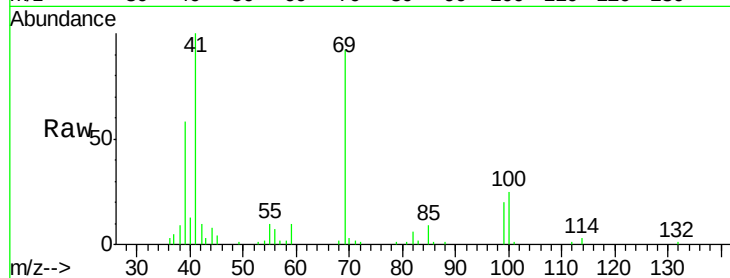
#43
Methyl Methacrylate
Concen: 0.296 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. 0.01 min
Lab File: VL036049.D
Acq: 3 Dec 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
69	100		
41	120.4	86.5	129.7
100	38.0	29.0	43.6

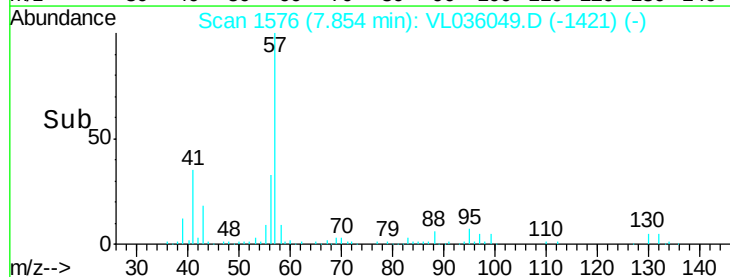
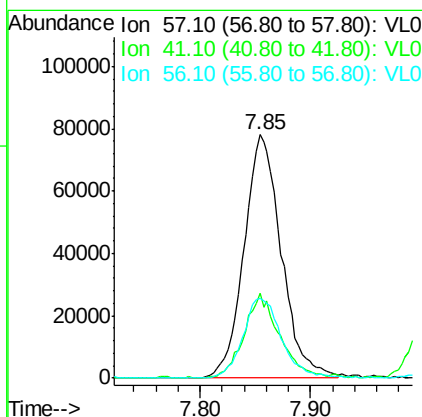
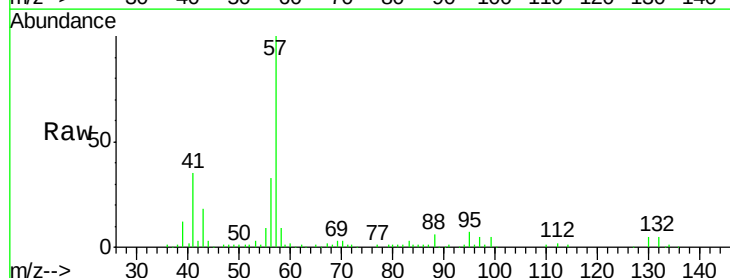
Manual Integrations
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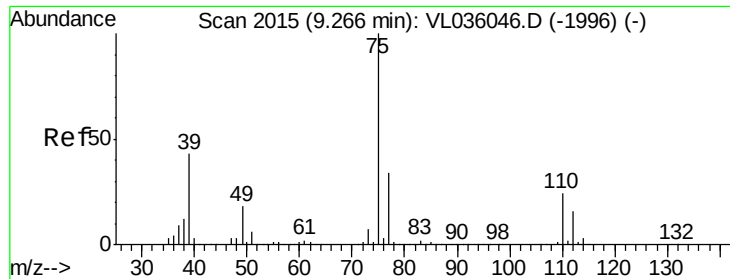
MMDadoda
12/7/2020 12:08:20 PM



#44
2,2,4-Trimethylpentane
Concen: 0.450 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VL036049.D
Acq: 3 Dec 2020 11:42

Tgt Ion	Ratio	Lower	Upper
57	100		
41	33.8	21.9	32.9#
56	34.3	25.8	38.6





#45

t-1,3-Dichloropropene

Concen: 0.260 ppbv m

RT: 9.26 min Scan# 2013

Delta R.T. -0.01 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 32267

Ion Ratio Lower Upper

75 100

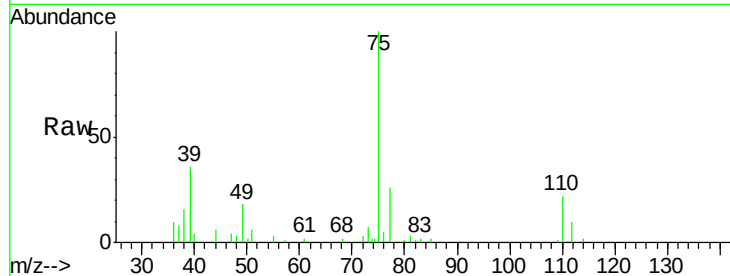
77 25.9 26.8 40.2#

Manual Integrations

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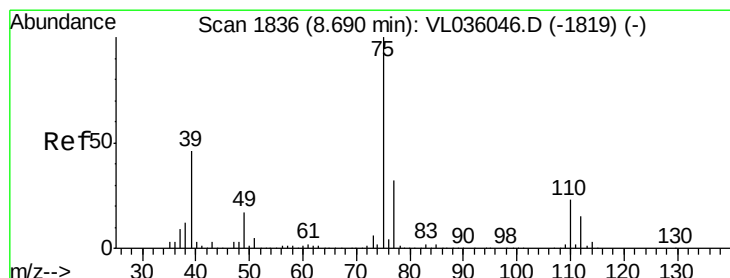
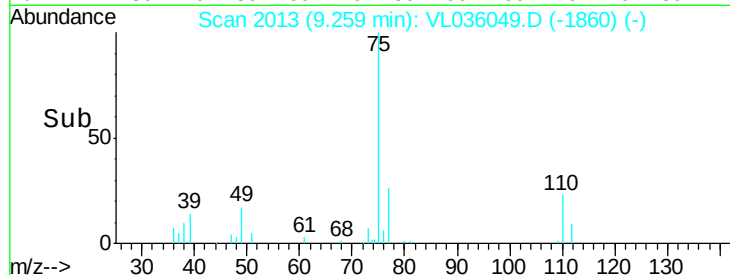
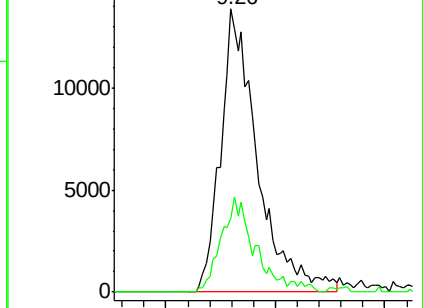
MMDadoda

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.295 ppbv m

RT: 8.69 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

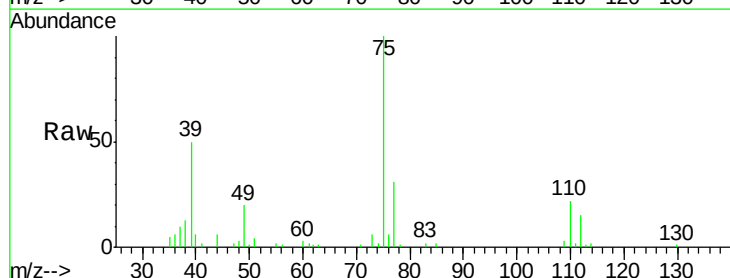
Tgt Ion: 75 Resp: 46393

Ion Ratio Lower Upper

75 100

39 50.2 37.0 55.4

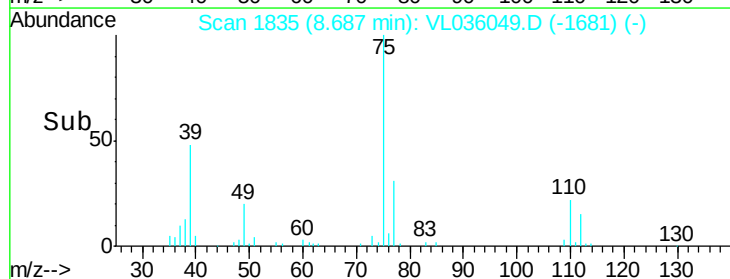
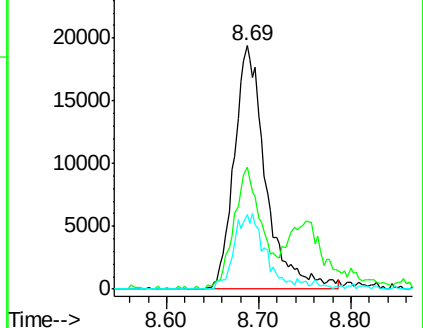
77 30.8 25.5 38.3

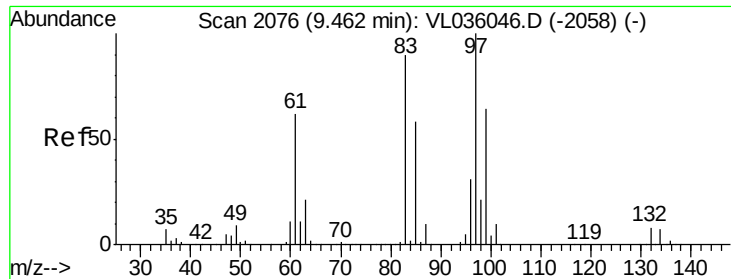


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





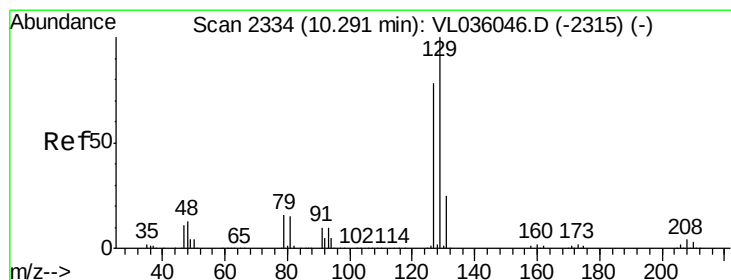
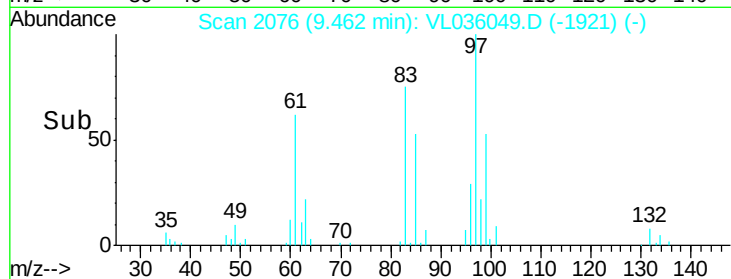
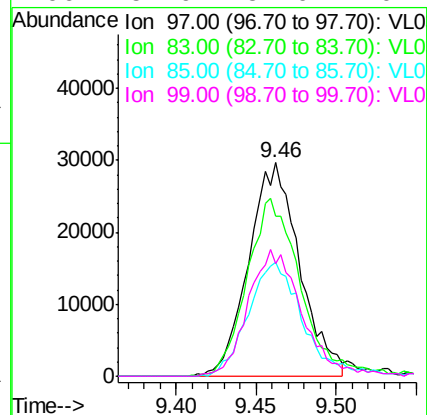
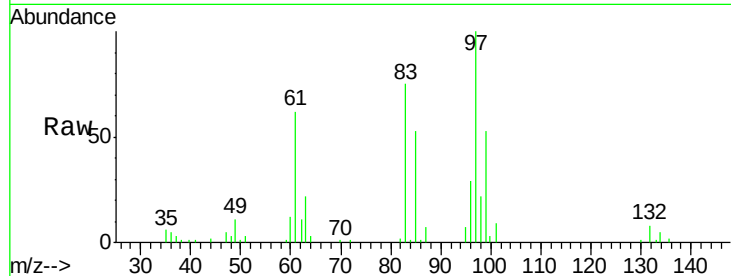
#47
 1,1,2-Trichloroethane
 Concen: 0.459 ppbv
 RT: 9.46 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: VL036049.D
 Acq: 3 Dec 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	97	Resp:	64727
Ion	Ratio	Lower	Upper
97	100		
83	74.4	72.1	108.1
85	53.4	46.6	69.8
99	52.9	51.0	76.4

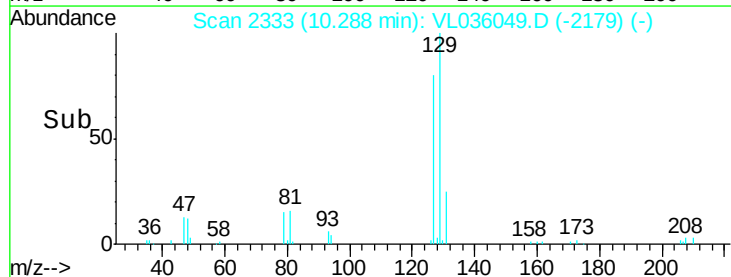
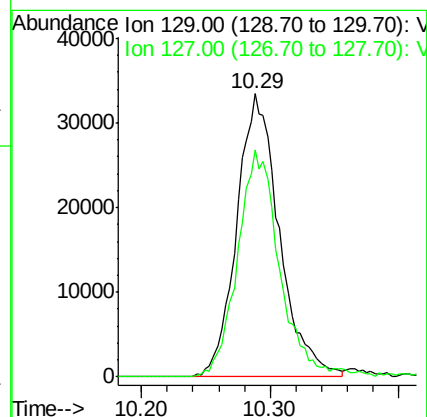
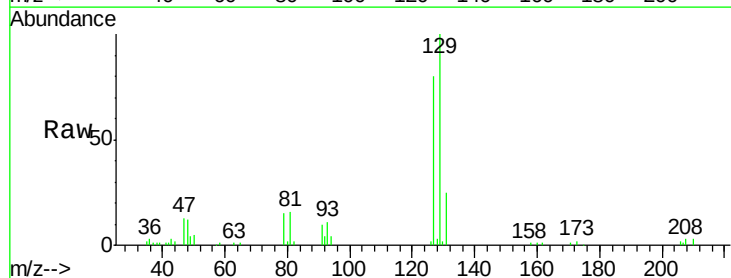
Manual Integrations
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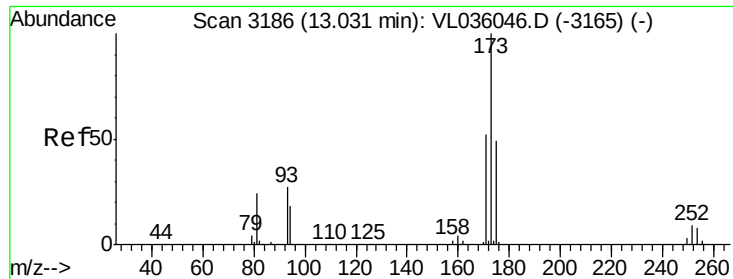
MMDadoda
 12/7/2020 12:08:20 PM



#48
 Dibromochloromethane
 Concen: 0.355 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. -0.00 min
 Lab File: VL036049.D
 Acq: 3 Dec 2020 11:42

Tgt Ion:	129	Resp:	76539
Ion	Ratio	Lower	Upper
129	100		
127	80.8	39.4	118.2





#49

Bromoform

Concen: 0.289 ppbv m

RT: 13.02 min Scan# 3184

Delta R.T. -0.01 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

Instrument :

MSVOA_L

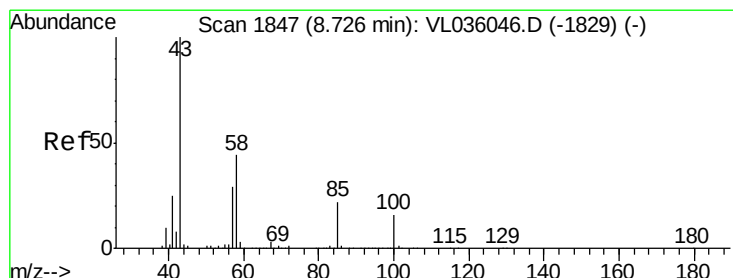
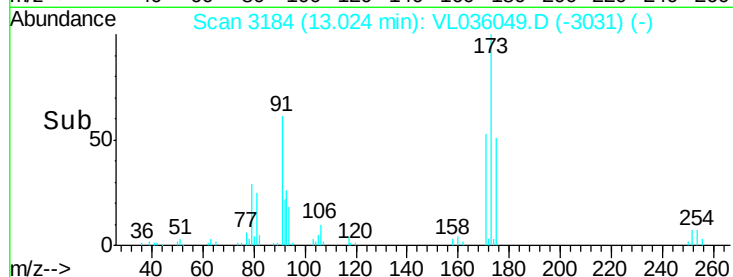
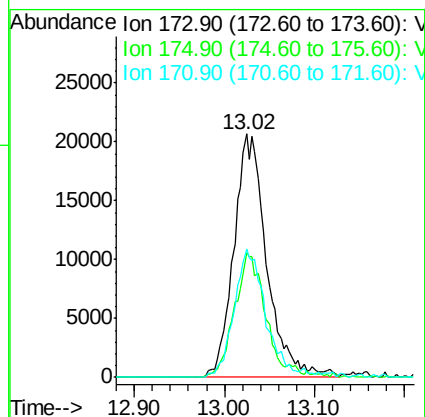
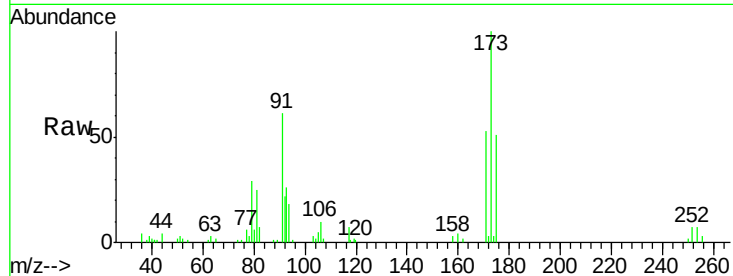
ClientSampleId :

VSTDIC0.5

Tot Ion:	173	Resp:	52575
Ion	Ratio	Lower	Upper
173	100		
175	49.4	39.5	59.3
171	51.7	42.6	63.8

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#50

4-Methyl-2-Pentanone

Concen: 0.420 ppbv m

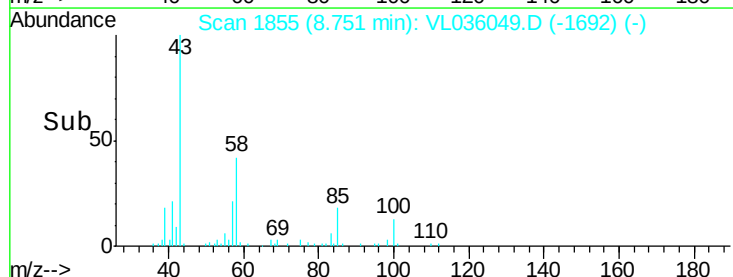
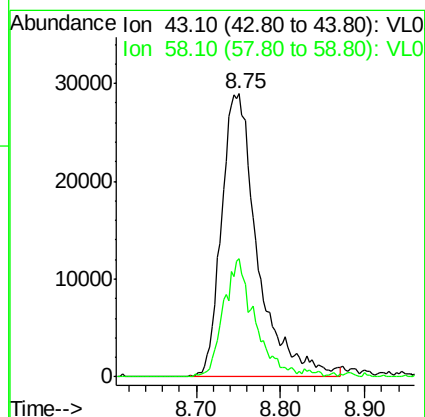
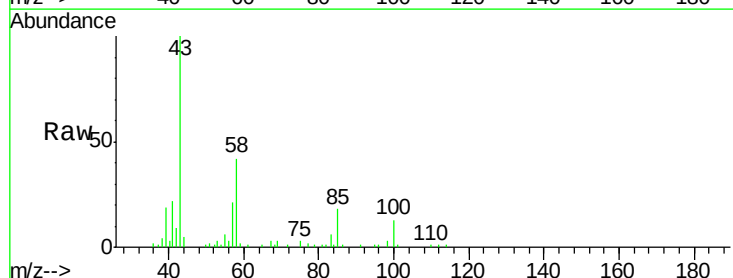
RT: 8.75 min Scan# 1855

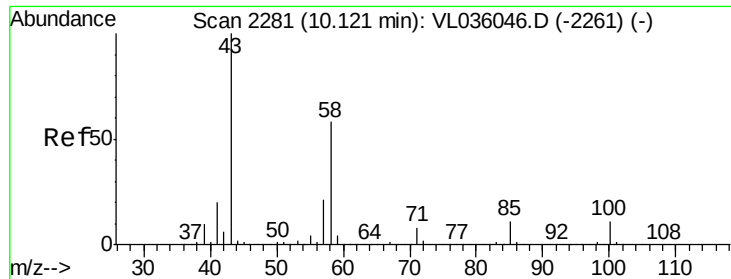
Delta R.T. 0.03 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

Tgt Ion:	43	Resp:	86235
Ion	Ratio	Lower	Upper
43	100		
58	35.9	34.7	52.1





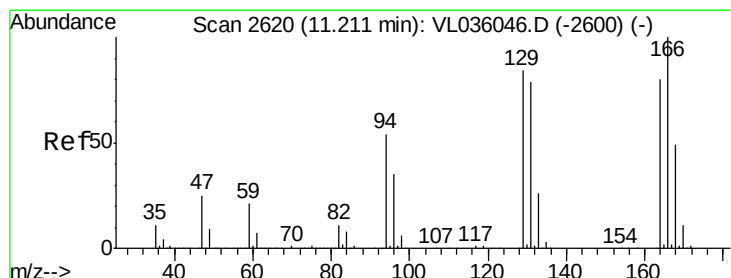
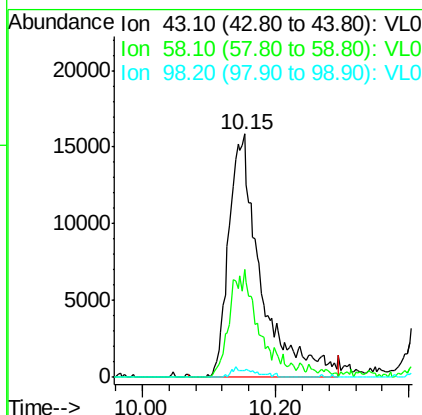
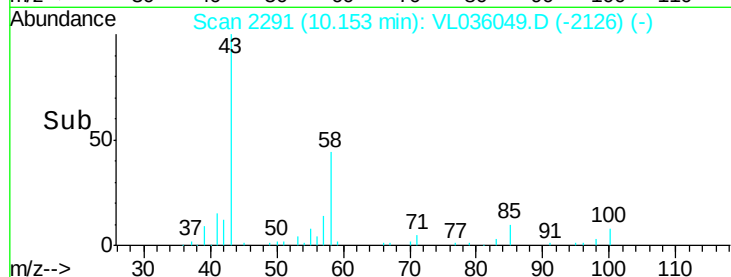
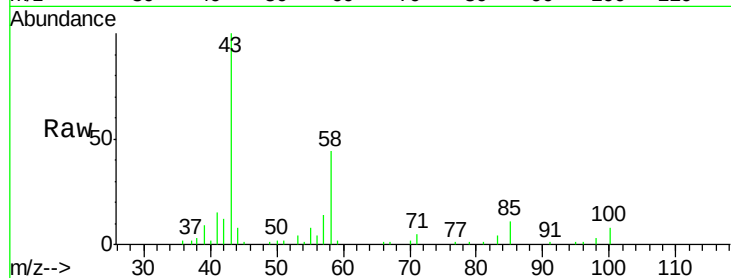
#51
2-Hexanone
Concen: 0.324 ppbv m
RT: 10.15 min Scan# 2291
Delta R.T. 0.03 min
Lab File: VL036049.D
Acq: 3 Dec 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	45.7	68.5#
98	2.8	0.8	1.2#

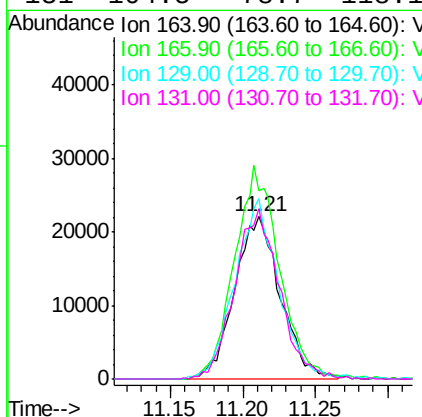
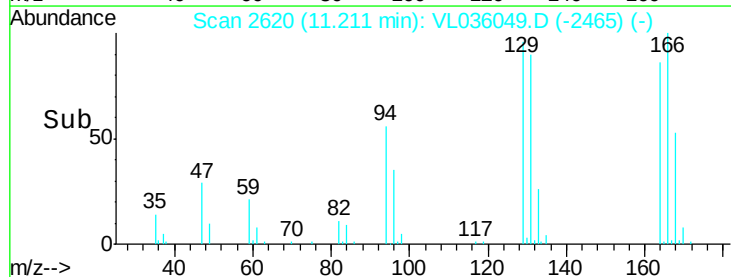
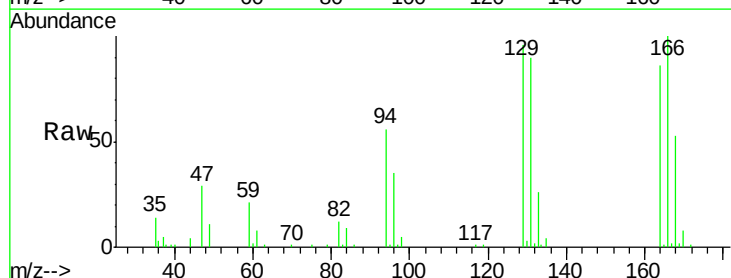
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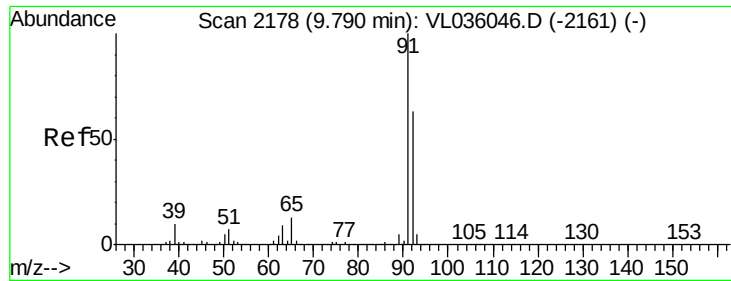
MMDadoda
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#52
Tetrachloroethene
Concen: 0.333 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.00 min
Lab File: VL036049.D
Acq: 3 Dec 2020 11:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	116.0	100.2	150.2
129	110.2	83.7	125.5
131	104.5	78.7	118.1





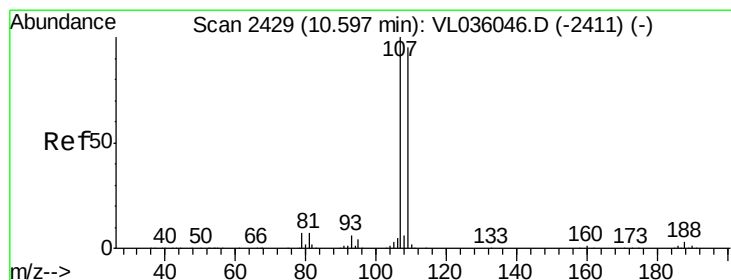
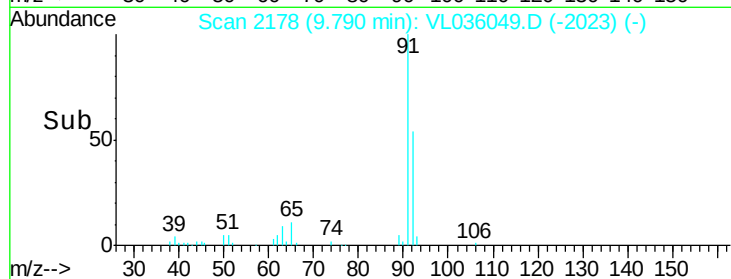
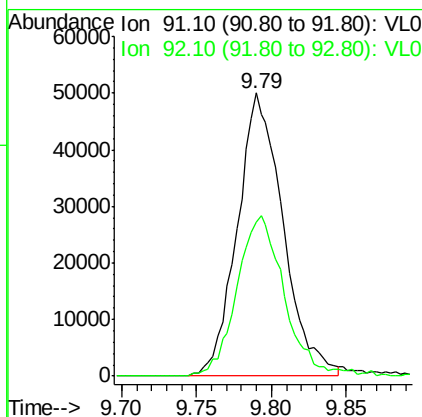
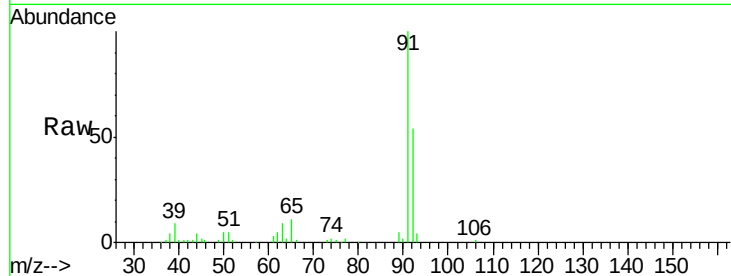
#53
Toluene
Concen: 0.287 ppbv
RT: 9.79 min Scan# 2178
Delta R.T. -0.00 min
Lab File: VL036049.D
Acq: 3 Dec 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 106397
Ion Ratio Lower Upper
91 100
92 59.2 49.3 73.9

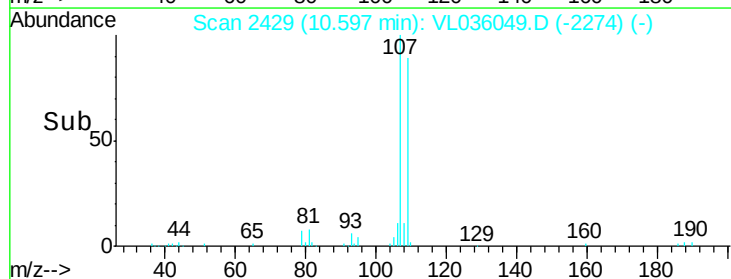
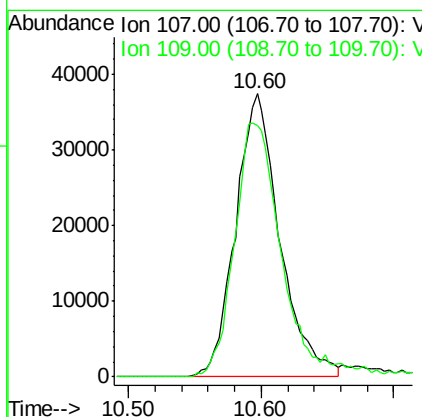
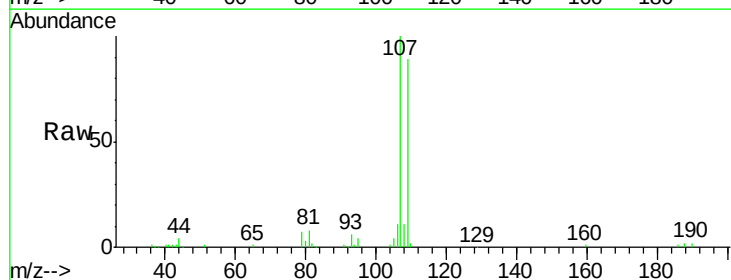
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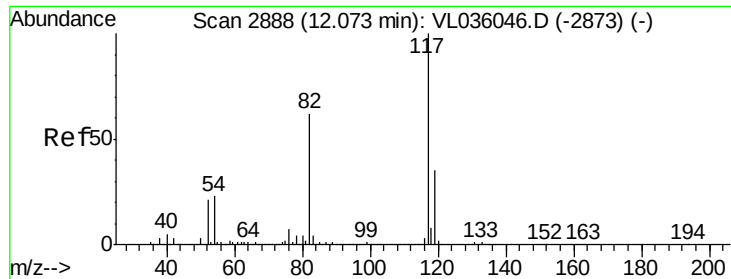
MMDadoda
12/7/2020 12:08:20 PM



#54
1,2-Dibromoethane
Concen: 0.403 ppbv
RT: 10.60 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VL036049.D
Acq: 3 Dec 2020 11:42

Tgt Ion: 107 Resp: 86358
Ion Ratio Lower Upper
107 100
109 89.0 75.7 113.5





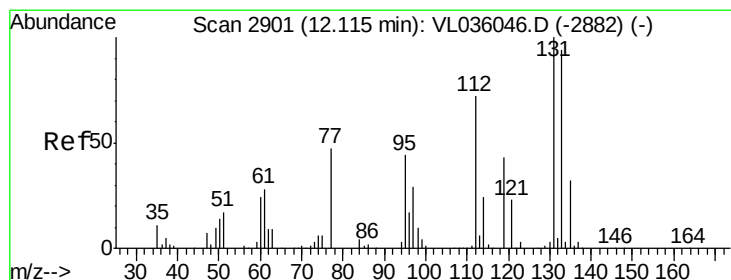
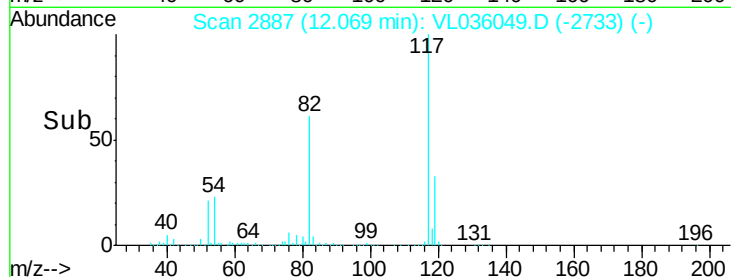
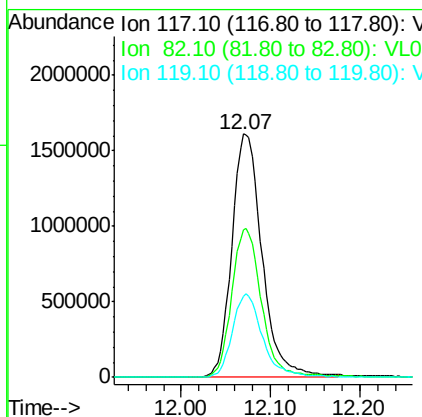
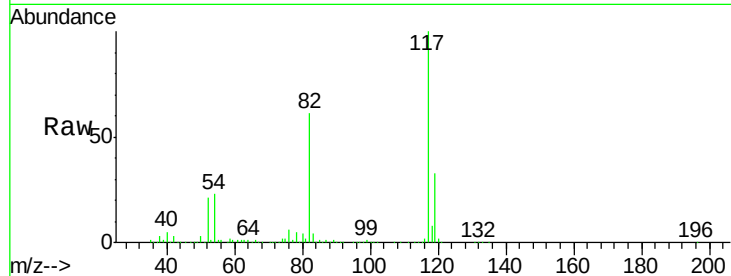
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. -0.00 min
Lab File: VL036049.D
Acq: 3 Dec 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion:117 Resp: 3796657
Ion Ratio Lower Upper
117 100
82 61.2 49.9 74.9
119 34.9 28.7 43.1

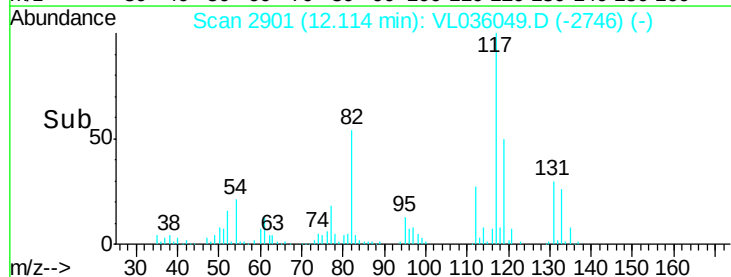
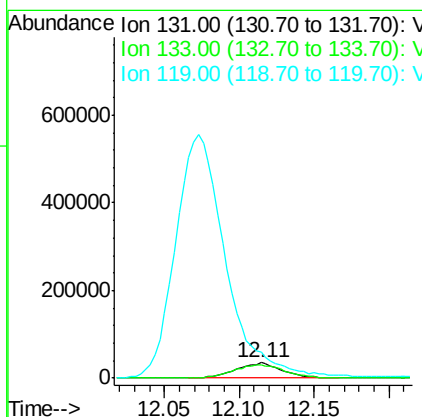
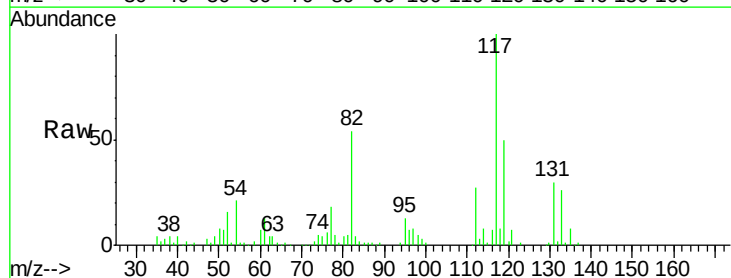
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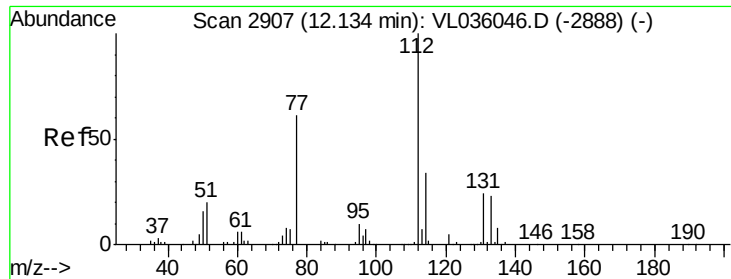
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.438 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL036049.D
Acq: 3 Dec 2020 11:42

Tgt Ion:131 Resp: 74583
Ion Ratio Lower Upper
131 100
133 97.7 76.1 114.1
119 1773.2 49.5 74.3#





#57

Chlorobenzene

Concen: 0.484 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. -0.01 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

Instrument :

MSVOA_L

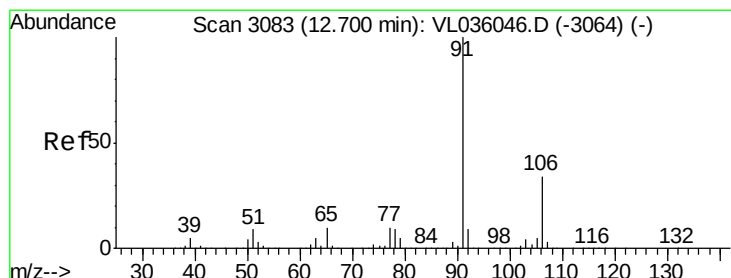
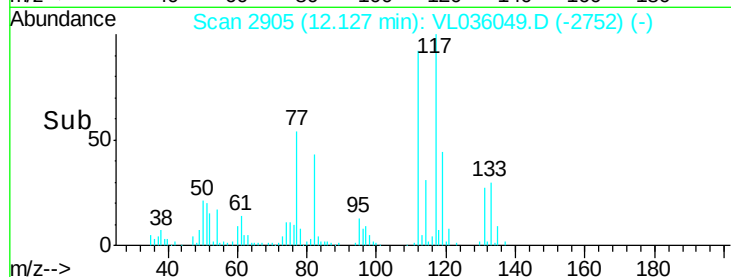
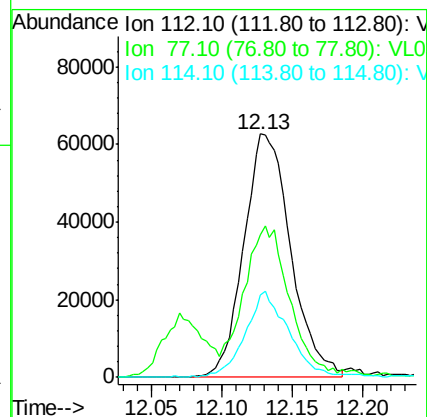
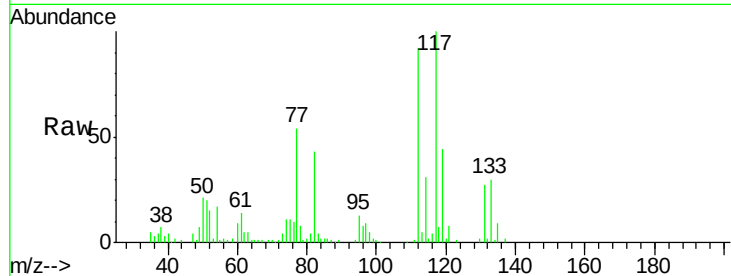
ClientSampleId :

VSTDIC0.5

Tot Ion:	112	Resp:	146126
Ion Ratio	Lower	Upper	
112	100		
77	55.3	49.3	73.9
114	33.2	30.2	36.9

Manual Integrations
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#58

Ethyl Benzene

Concen: 0.296 ppbv

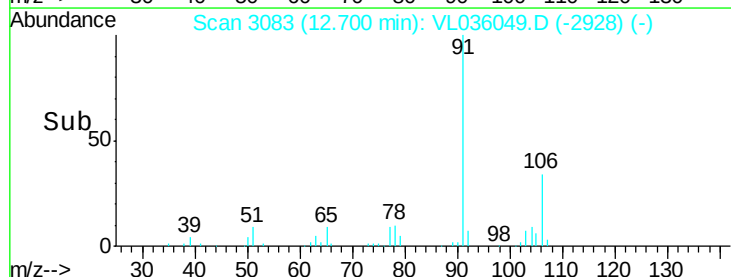
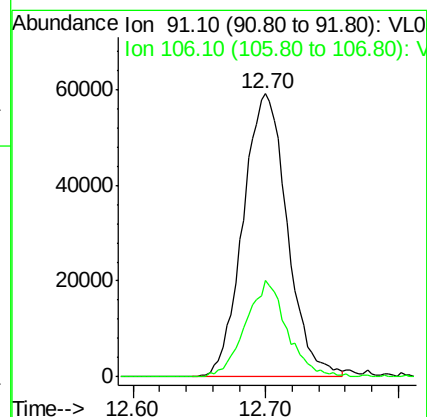
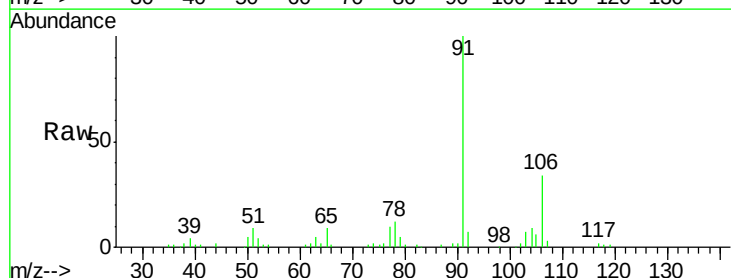
RT: 12.70 min Scan# 3083

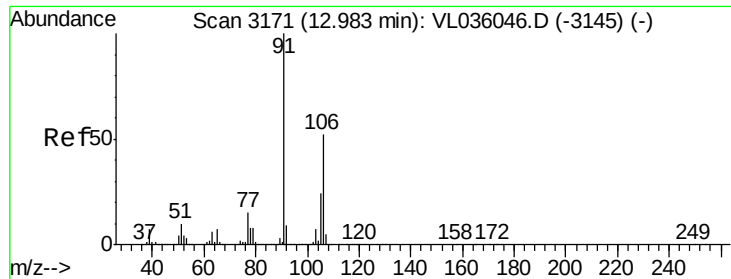
Delta R.T. -0.00 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

Tgt Ion:	91	Resp:	136943
Ion Ratio	Lower	Upper	
91	100		
106	34.0	27.4	41.2





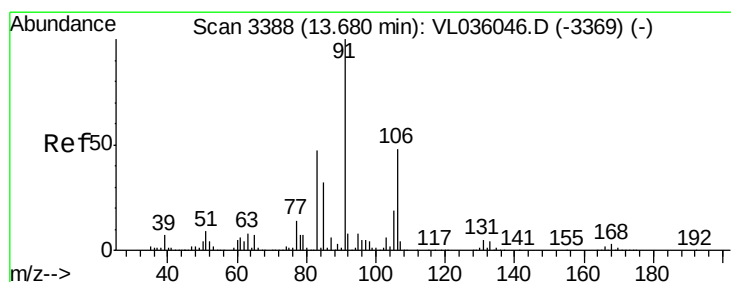
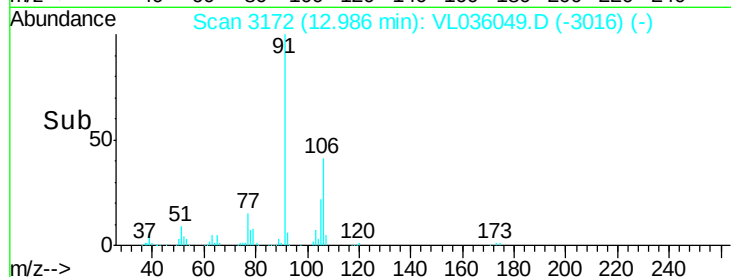
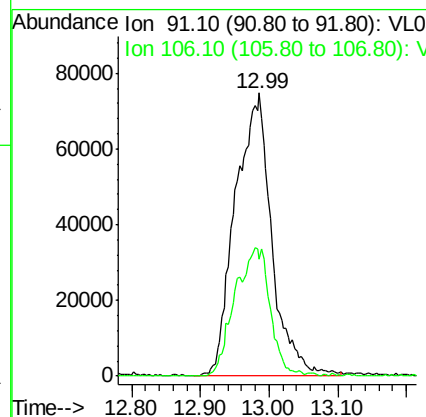
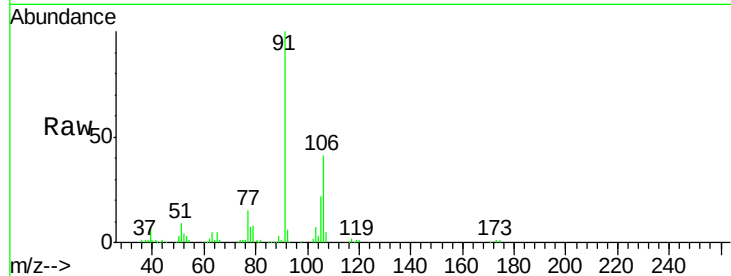
#59
m/p-Xylene
Concen: 0.705 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VL036049.D
Acq: 3 Dec 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 275652
Ion Ratio Lower Upper
91 100
106 44.2 38.7 58.1

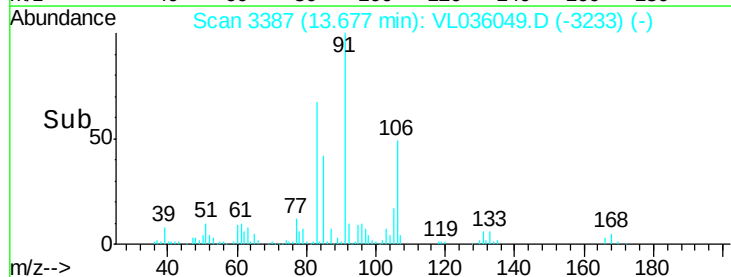
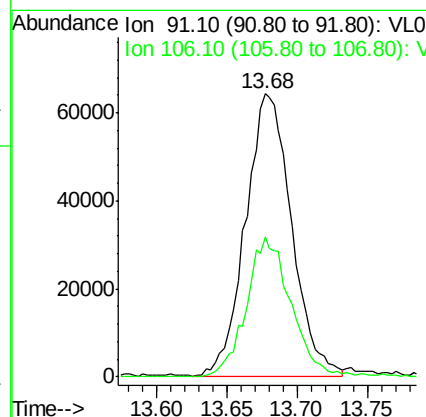
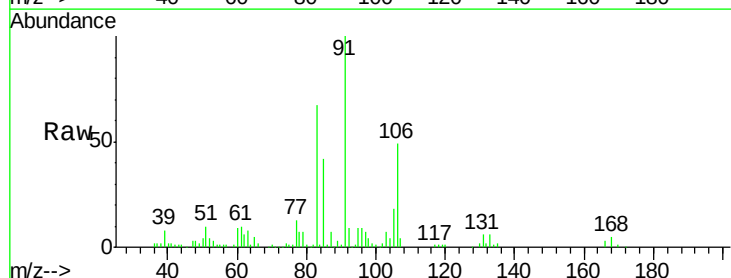
Manual Integrations
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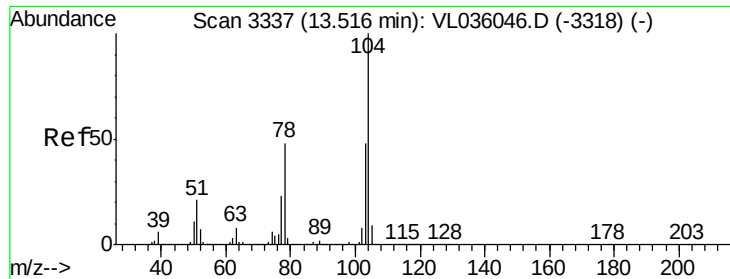
MMDadoda
12/7/2020 12:08:20 PM



#60
o-Xylene
Concen: 0.387 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.00 min
Lab File: VL036049.D
Acq: 3 Dec 2020 11:42

Tgt Ion: 91 Resp: 147423
Ion Ratio Lower Upper
91 100
106 48.1 24.1 72.3





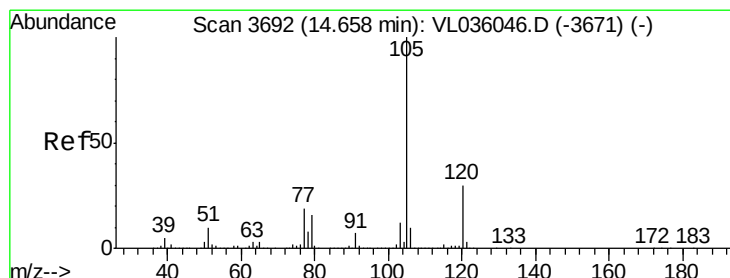
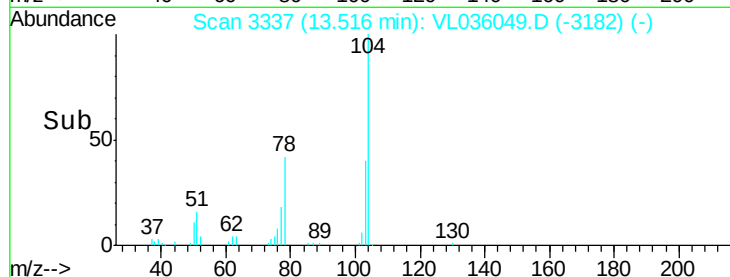
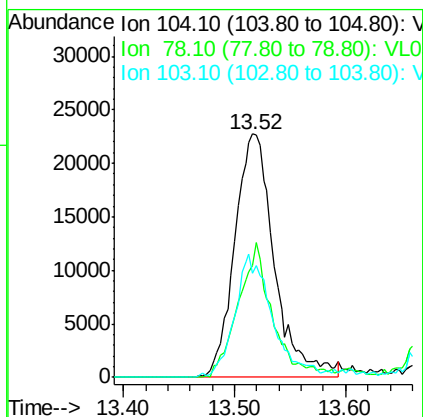
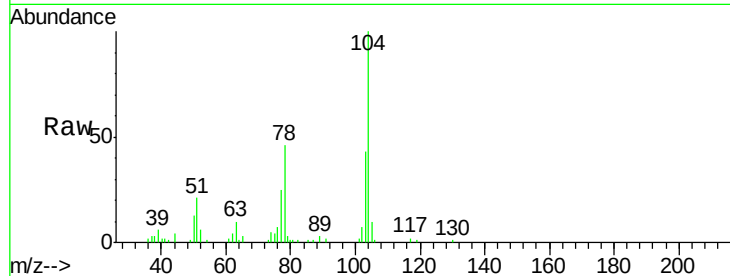
#61
Stvrene
Concen: 0.202 ppbv m
RT: 13.52 min Scan# 3337
Delta R.T. -0.00 min
Lab File: VL036049.D
Acq: 3 Dec 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.9	38.0	57.0
103	50.2	37.7	56.5

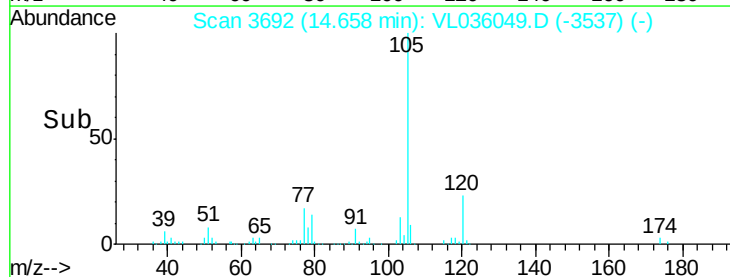
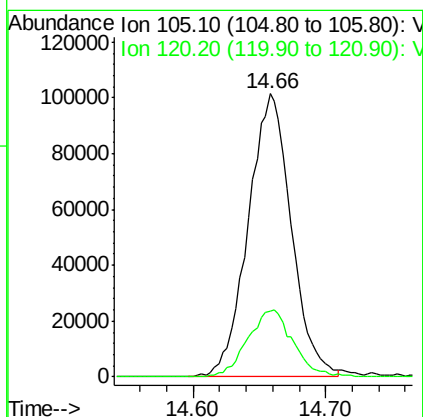
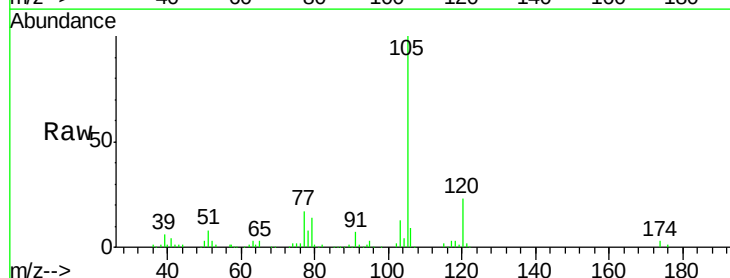
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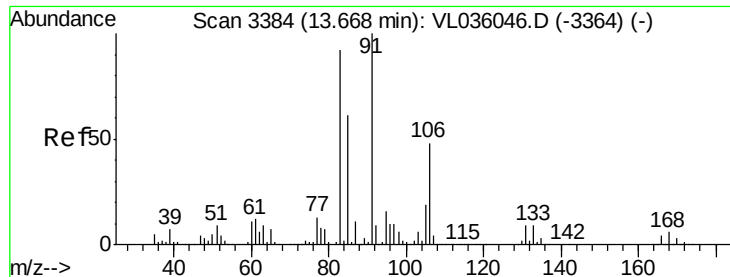
MMDadoda
12/7/2020 12:08:20 PM



#62
Isopropylbenzene
Concen: 0.384 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. -0.00 min
Lab File: VL036049.D
Acq: 3 Dec 2020 11:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.0	22.6	34.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.507 ppbv m

RT: 13.66 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 83 Resp: 149415

Ion Ratio Lower Upper

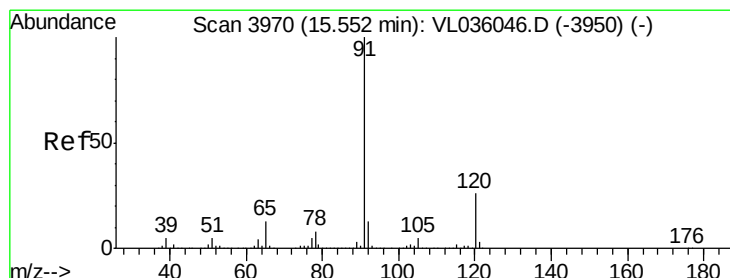
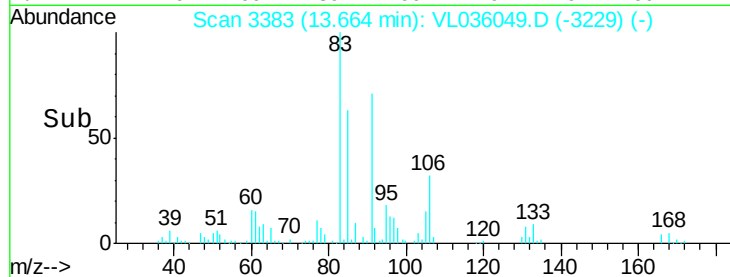
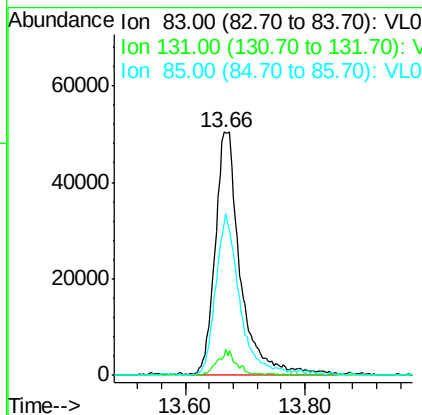
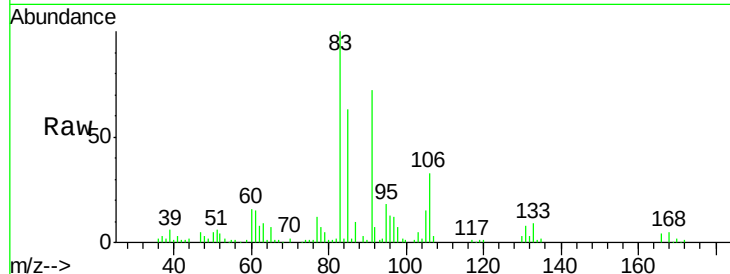
83 100

131 7.9 4.8 14.4

85 63.5 33.3 99.9

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#64

n-propylbenzene

Concen: 0.295 ppbv

RT: 15.55 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VL036049.D

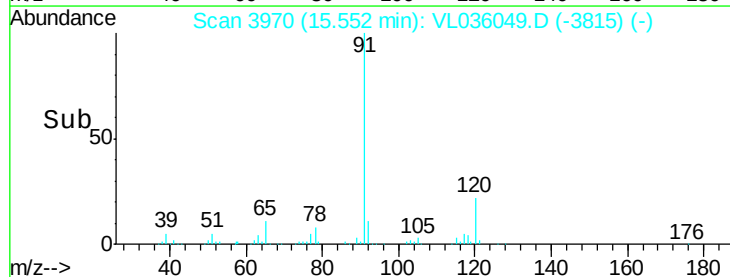
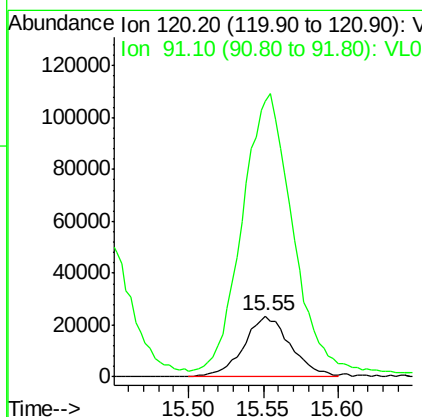
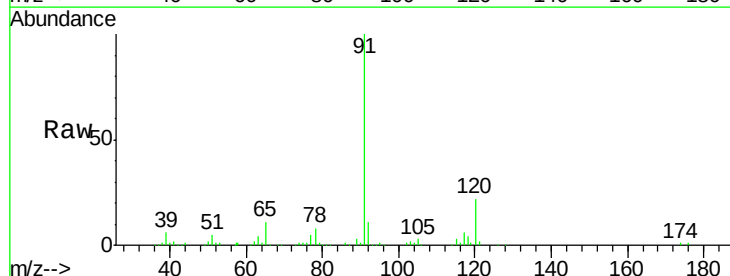
Acq: 3 Dec 2020 11:42

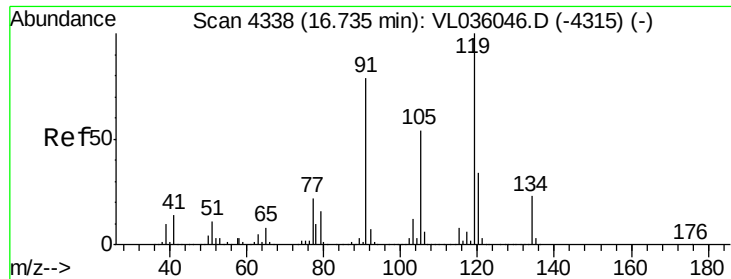
Tgt Ion: 120 Resp: 51089

Ion Ratio Lower Upper

120 100

91 523.2 331.4 497.2#





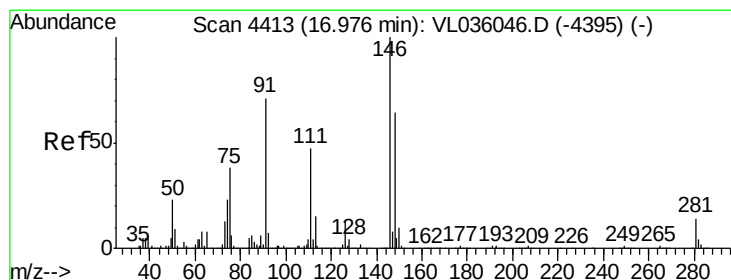
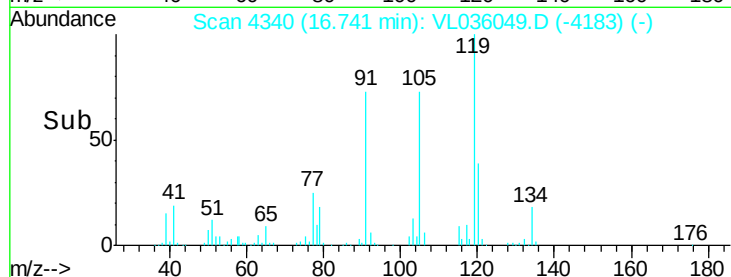
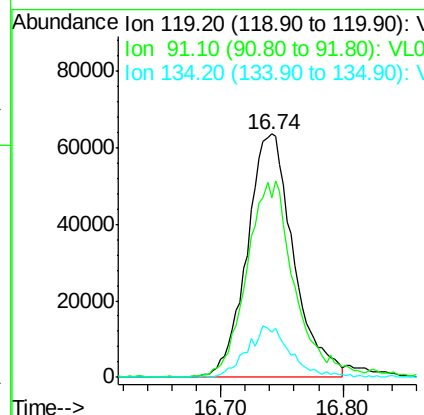
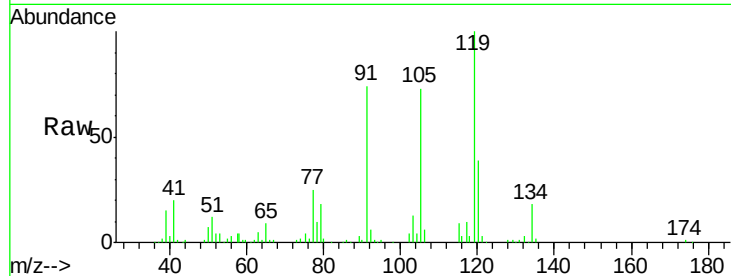
#65
 tert-Butylbenzene
 Concen: 0.307 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. 0.01 min
 Lab File: VL036049.D
 Acq: 3 Dec 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	167170		
91	85.2	63.4	95.2	
134	19.8	17.1	25.7	

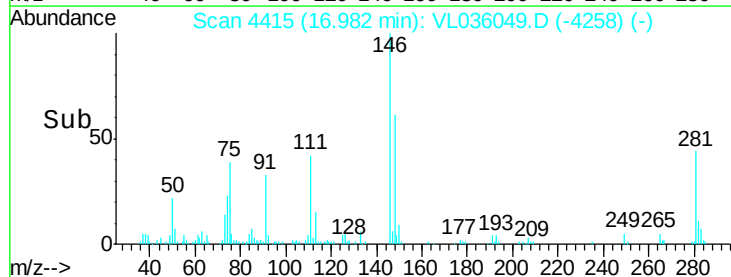
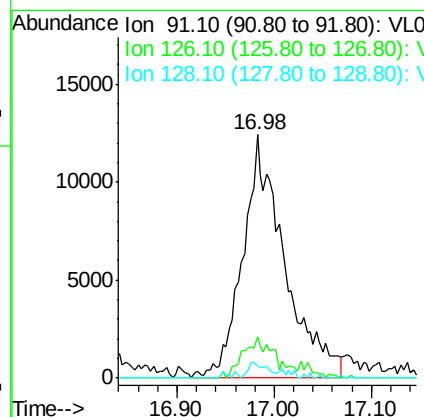
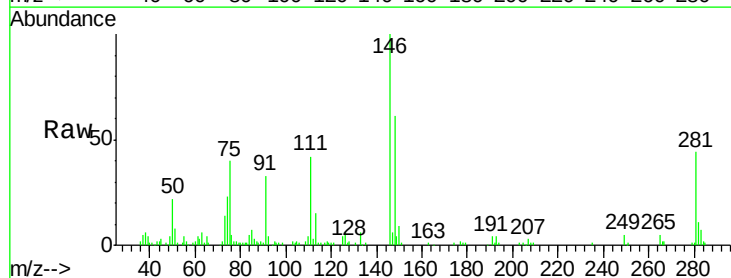
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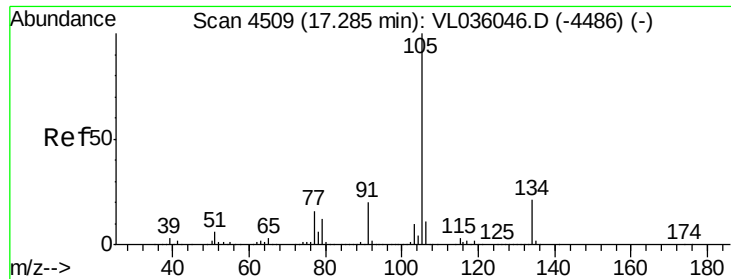
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#66
 Benzyl Chloride
 Concen: 0.205 ppbv m
 RT: 16.98 min Scan# 4415
 Delta R.T. 0.01 min
 Lab File: VL036049.D
 Acq: 3 Dec 2020 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	36972		
126	15.4	14.3	21.5	
128	4.0	4.7	7.1#	





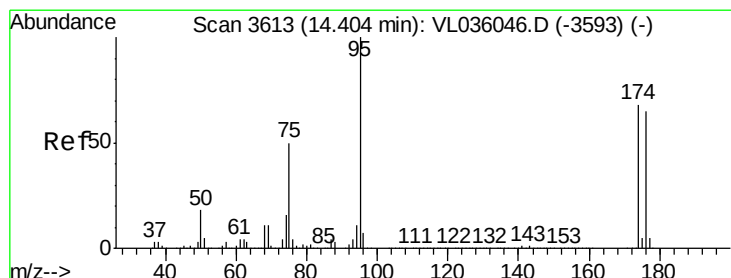
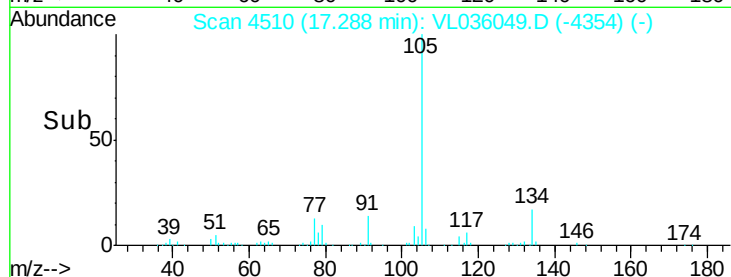
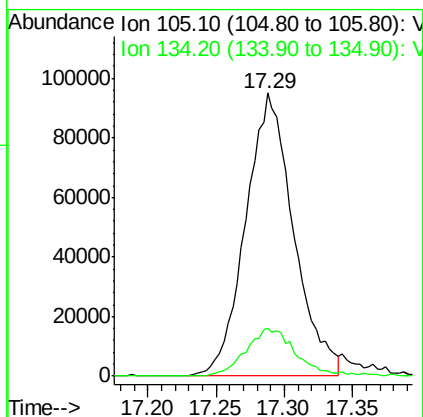
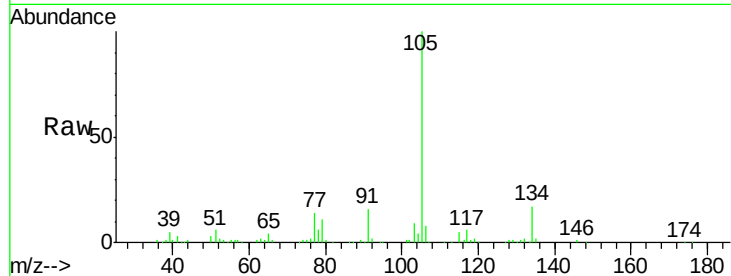
#67
 sec-Butylbenzene
 Concen: 0.315 ppbv
 RT: 17.29 min Scan# 4510
 Delta R.T. 0.00 min
 Lab File: VL036049.D
 Acq: 3 Dec 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 105 Resp: 230847
 Ion Ratio Lower Upper
 105 100
 134 17.9 15.8 23.8

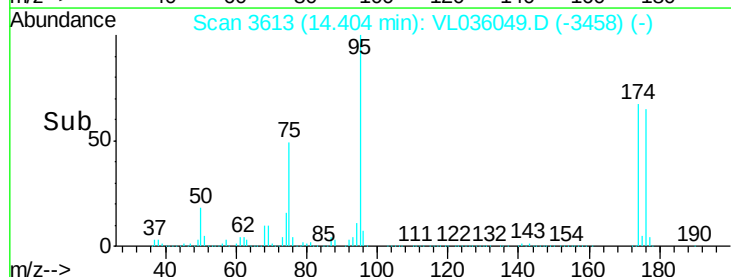
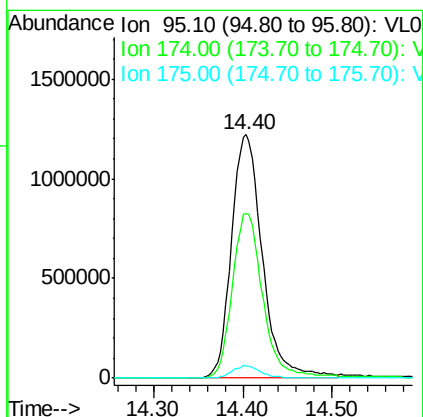
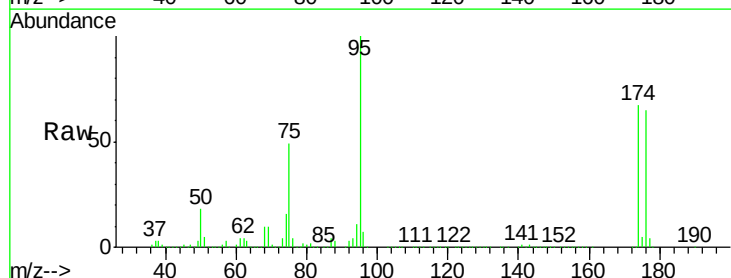
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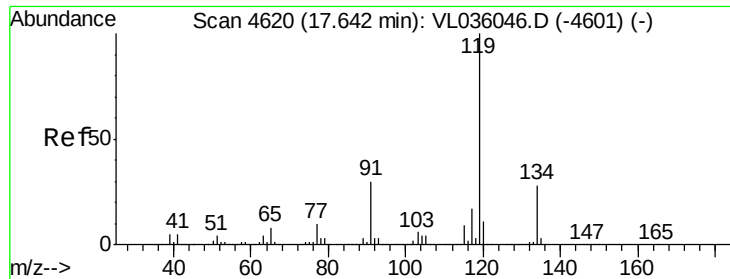
MMDadoda
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.878 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T. -0.00 min
 Lab File: VL036049.D
 Acq: 3 Dec 2020 11:42

Tgt Ion: 95 Resp: 2934208
 Ion Ratio Lower Upper
 95 100
 174 68.2 54.2 81.2
 175 4.9 3.8 5.8





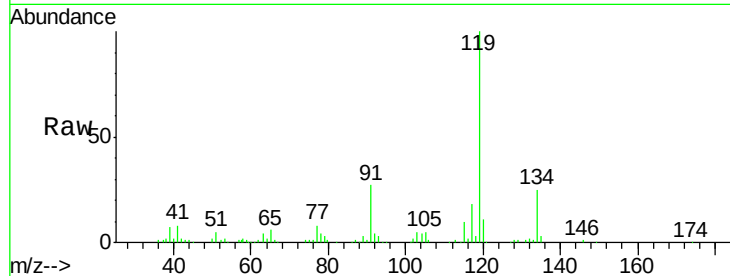
#69
 p-Isopropyltoluene
 Concen: 0.261 ppbv
 RT: 17.65 min Scan# 4622
 Delta R.T. 0.01 min
 Lab File: VL036049.D
 Acq: 3 Dec 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	158068		
134	26.2		22.2	33.2
91	31.1		23.2	34.8

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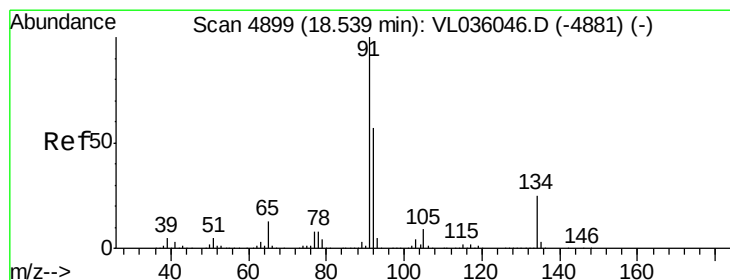
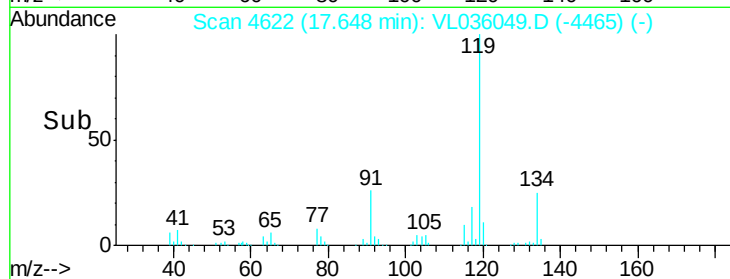
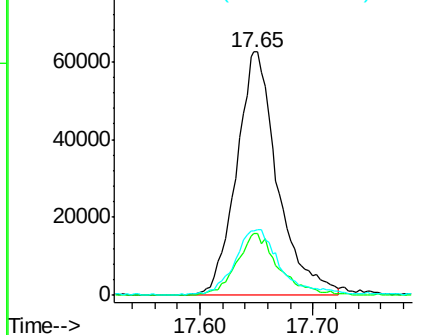


Abundance

Ion 119.10 (118.80 to 119.80): V

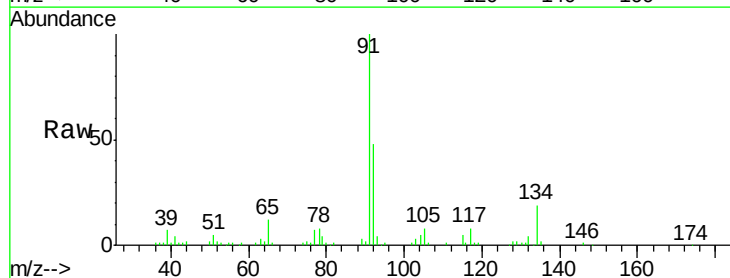
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
 n-Butylbenzene
 Concen: 0.265 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. 0.01 min
 Lab File: VL036049.D
 Acq: 3 Dec 2020 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	154604		
92	51.6		45.2	67.8
134	20.1		19.2	28.8

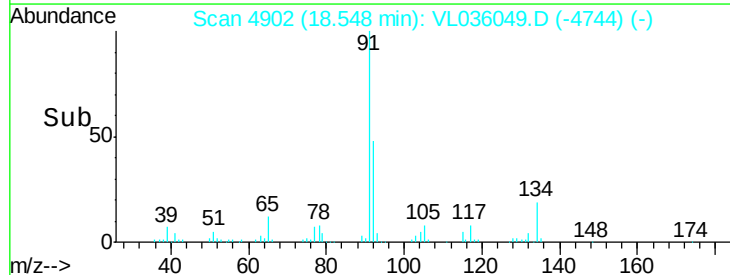
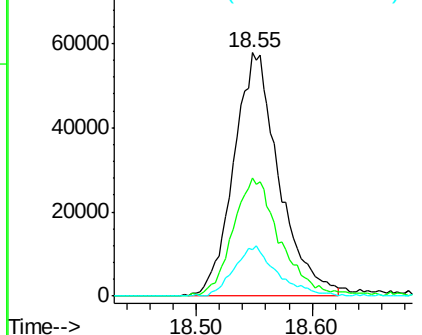


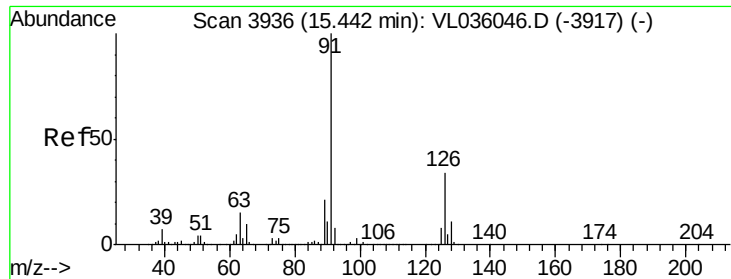
Abundance

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: 0.316 ppbv

RT: 15.45 min Scan# 3937

Delta R.T. 0.00 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 138049

Ion Ratio Lower Upper

91 100

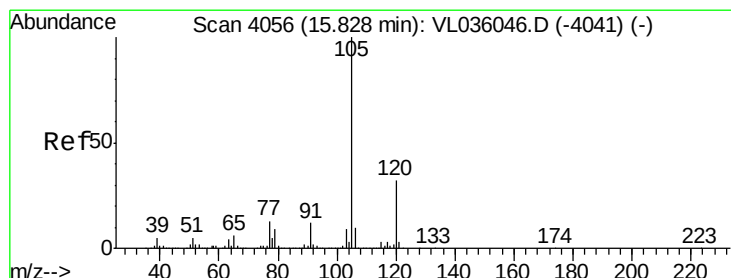
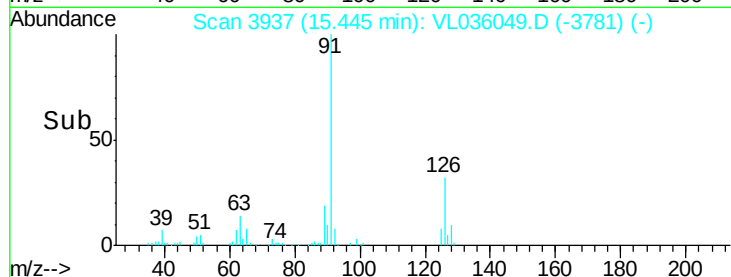
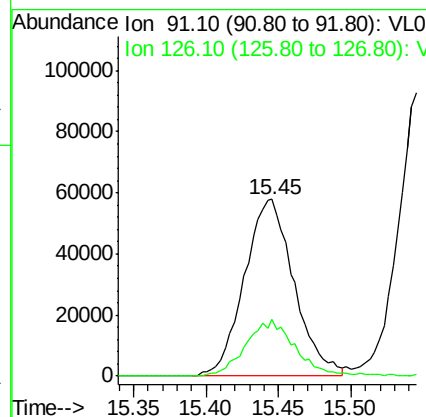
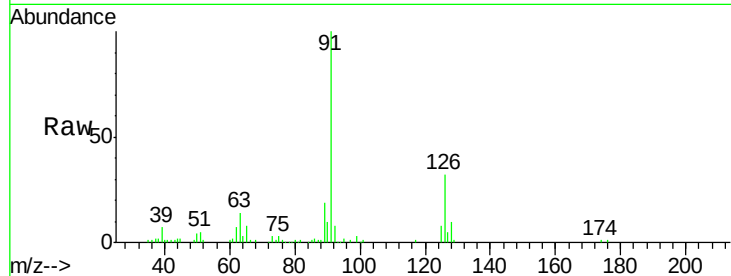
126 32.1 13.2 53.0

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#72

4-Ethyltoluene

Concen: 0.268 ppbv

RT: 15.82 min Scan# 4055

Delta R.T. -0.00 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

Tgt Ion: 105 Resp: 123763

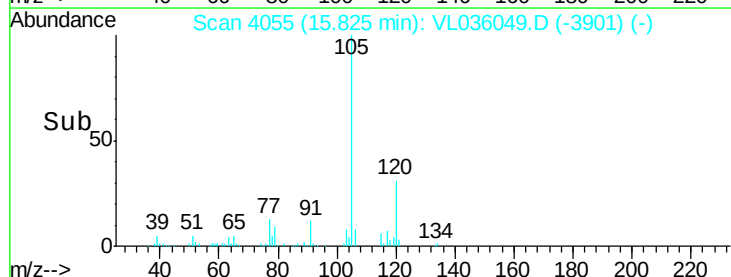
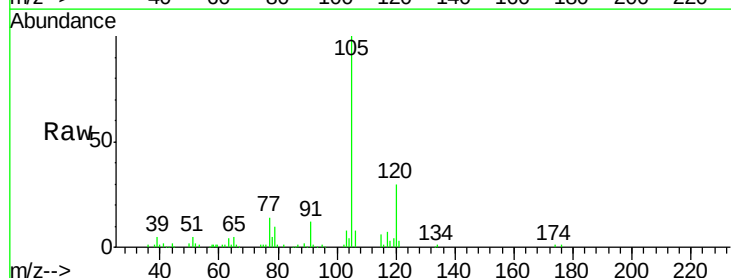
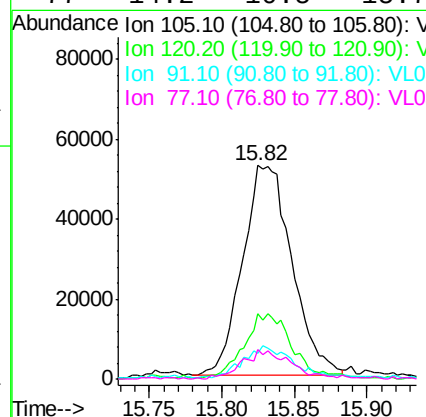
Ion Ratio Lower Upper

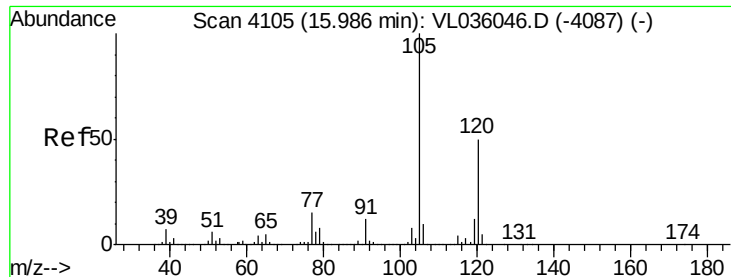
105 100

120 31.3 25.3 37.9

91 16.2 10.1 15.1#

77 14.2 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 0.302 ppbv m

RT: 15.99 min Scan# 4106

Delta R.T. 0.00 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 127391

Ion Ratio Lower Upper

105 100

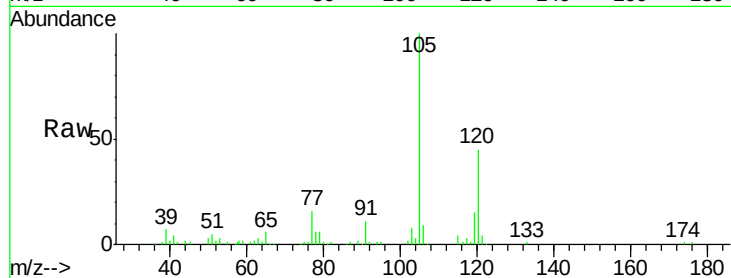
120 45.1 39.8 59.8

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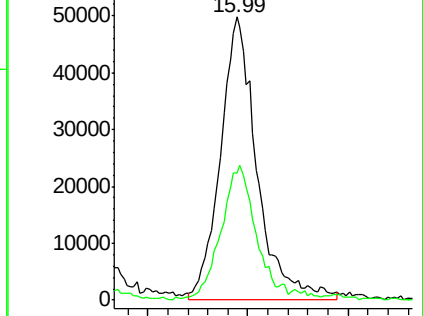
MMDadoda

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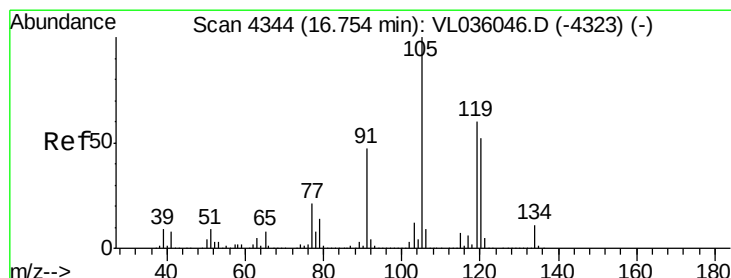
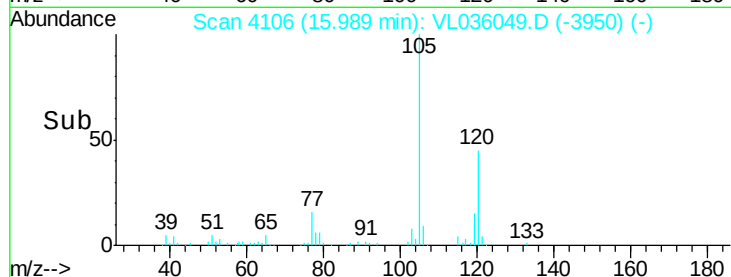


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



Time-->



#74

1,2,4-Trimethylbenzene

Concen: 0.331 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.00 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

Tgt Ion:105 Resp: 149885

Ion Ratio Lower Upper

105 100

120 48.1 41.5 62.3

91 58.1 38.1 57.1#

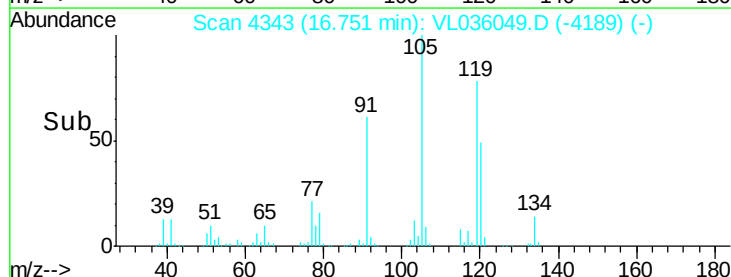
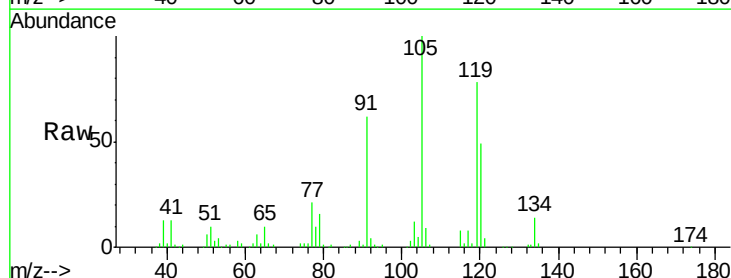
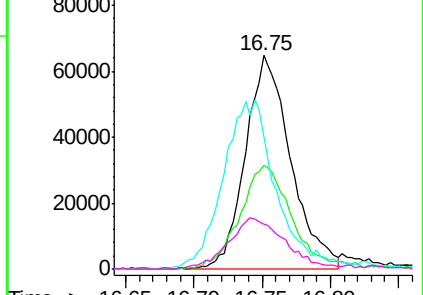
77 19.9 17.0 25.4

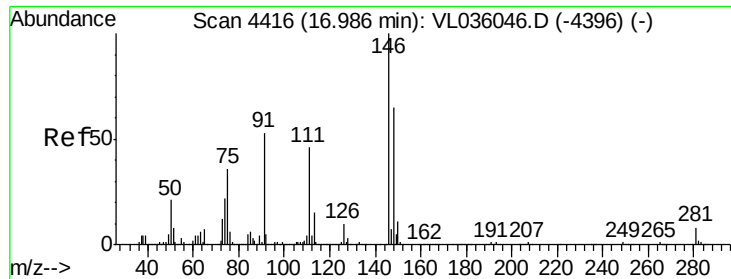
Abundance Ion 105.10 (104.80 to 105.80): V

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





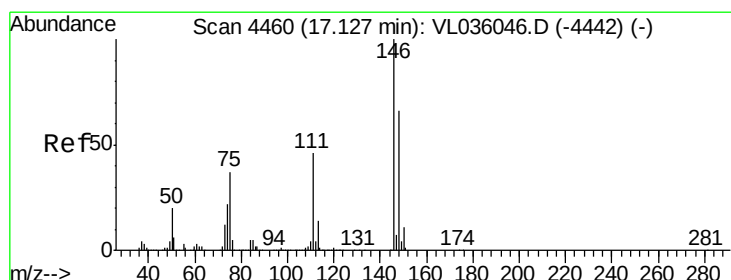
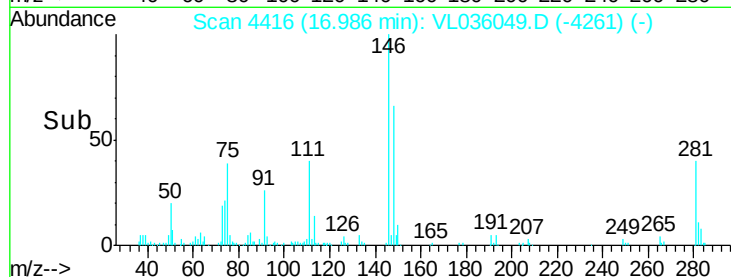
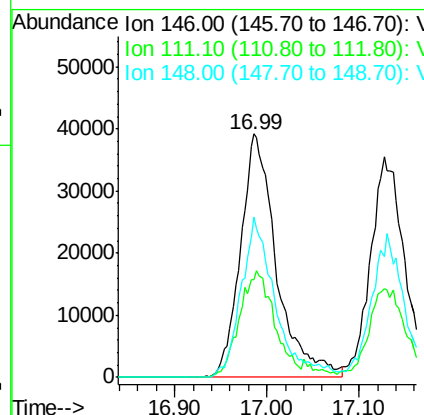
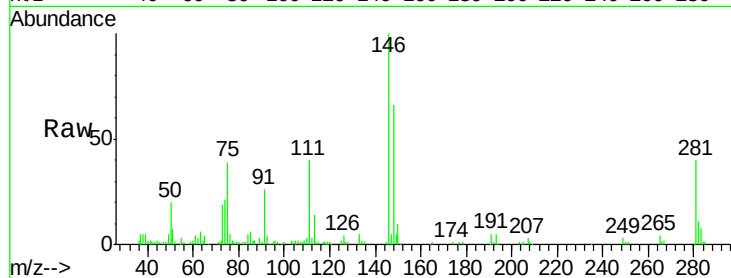
#75
 1,3-Dichlorobenzene
 Concen: 0.371 ppbv m
 RT: 16.99 min Scan# 4416
 Delta R.T. -0.00 min
 Lab File: VL036049.D
 Acq: 3 Dec 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.9	68.7
148	62.3	32.4	97.0

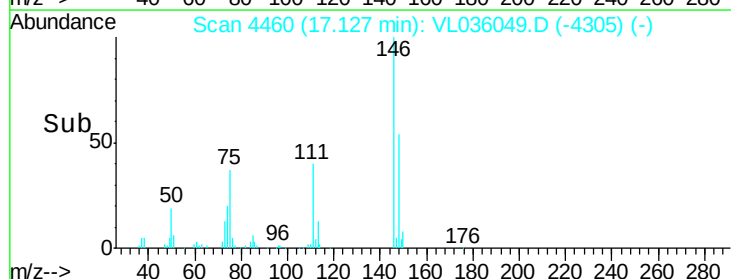
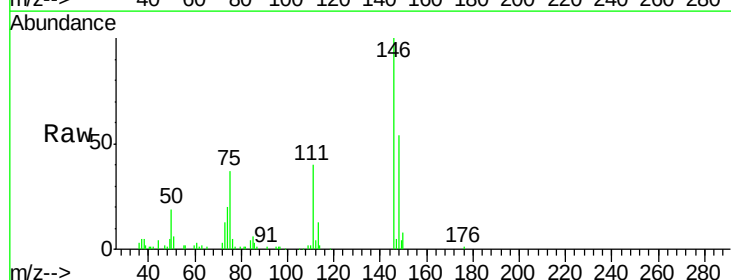
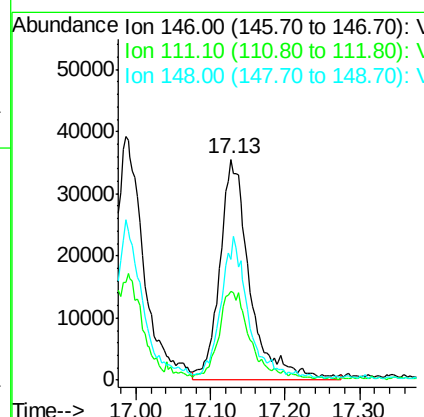
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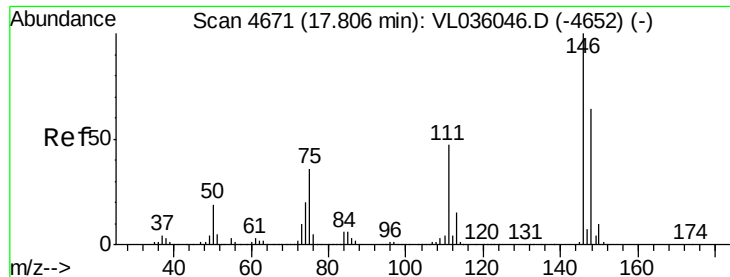
MMDadoda
 12/7/2020 12:08:20 PM



#76
 1,4-Dichlorobenzene
 Concen: 0.361 ppbv m
 RT: 17.13 min Scan# 4460
 Delta R.T. -0.00 min
 Lab File: VL036049.D
 Acq: 3 Dec 2020 11:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	22.4	67.2
148	59.6	33.0	98.9





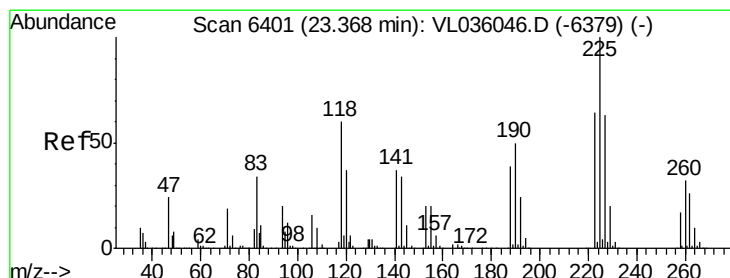
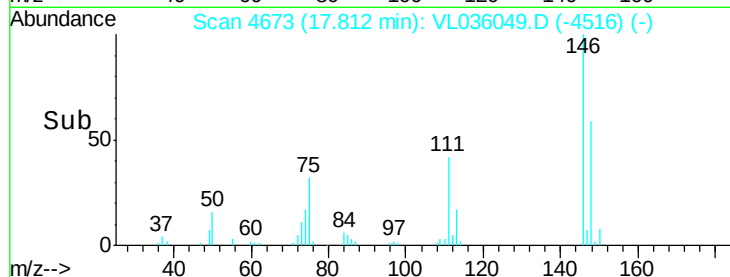
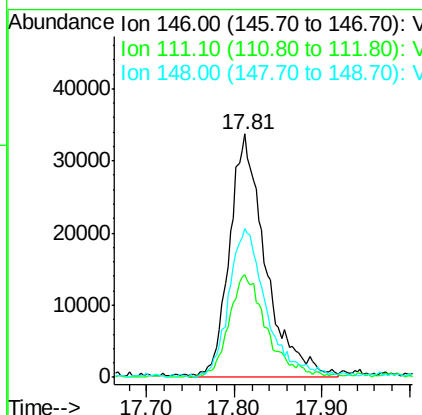
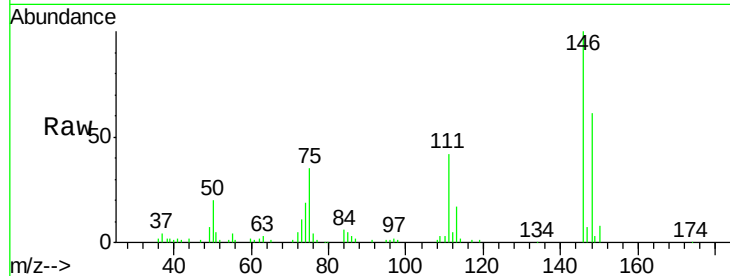
#77
 1,2-Dichlorobenzene
 Concen: 0.345 ppbv m
 RT: 17.81 min Scan# 4673
 Delta R.T. 0.01 min
 Lab File: VL036049.D
 Acq: 3 Dec 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	23.5	70.6
148	63.8	32.5	97.5

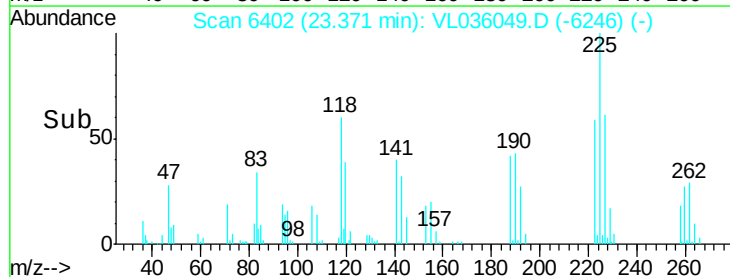
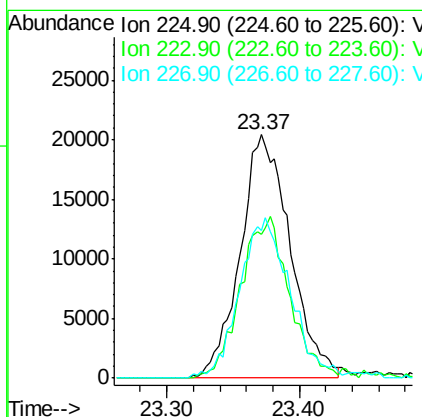
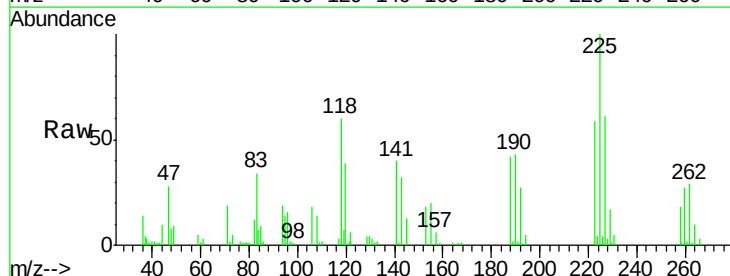
Manual Integrations
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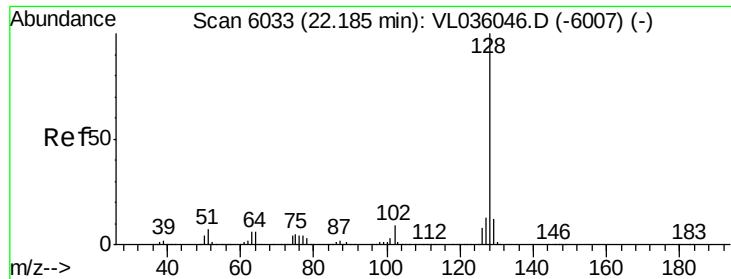
MMDadoda
 12/7/2020 12:08:20 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.409 ppbv
 RT: 23.37 min Scan# 6402
 Delta R.T. 0.00 min
 Lab File: VL036049.D
 Acq: 3 Dec 2020 11:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.8	51.0	76.4
227	67.5	51.2	76.8





#79

Naphthalene

Concen: 0.135 ppbv m

RT: 22.21 min Scan# 6040

Delta R.T. 0.02 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

Instrument :

MSVOA_L

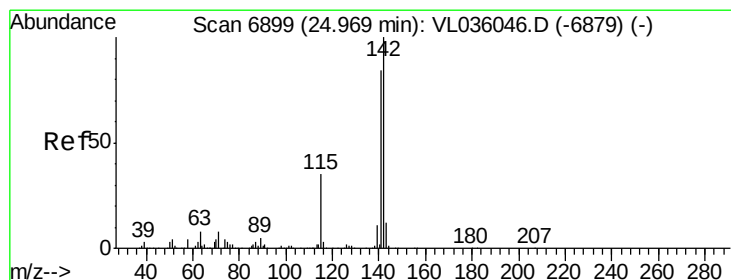
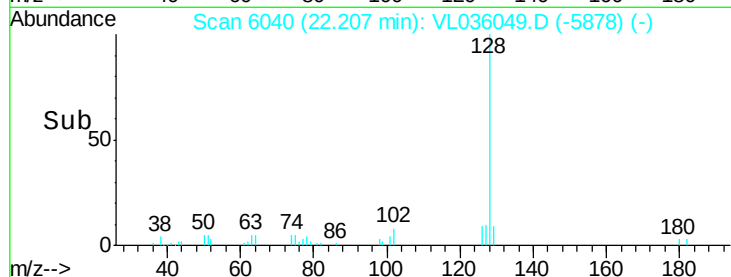
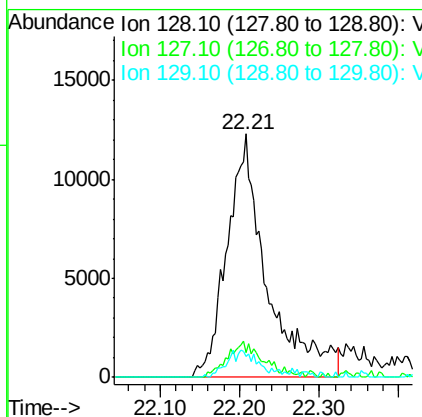
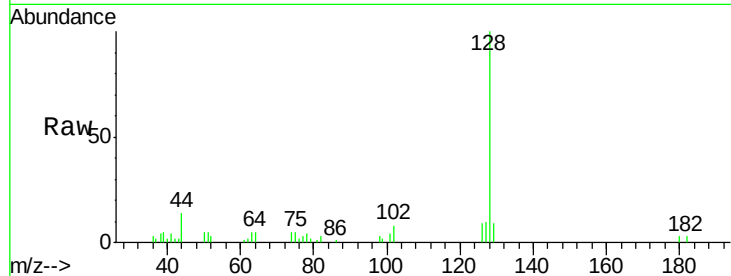
ClientSampleId :

VSTDIC0.5

Tot Ion:	128	Resp:	42747
Ion	Ratio	Lower	Upper
128	100		
127	10.3	10.3	15.5#
129	8.6	9.3	13.9#

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#80

Naphthalene, 2-methyl-

Concen: 0.069 ppbv m

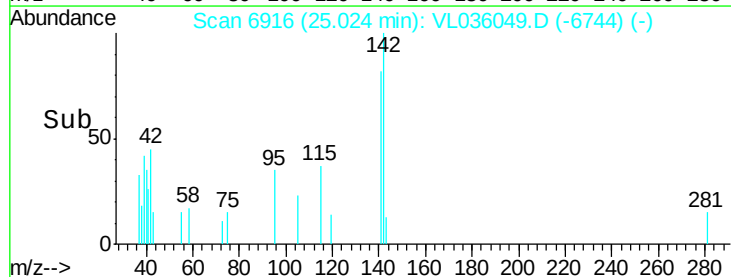
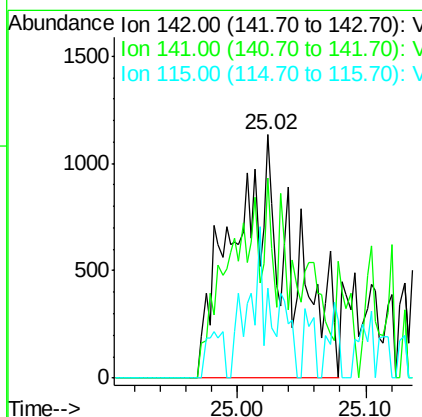
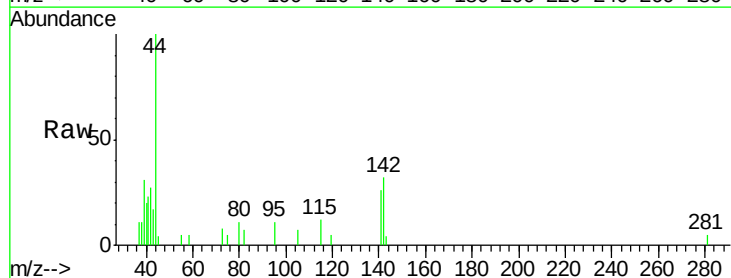
RT: 25.02 min Scan# 6916

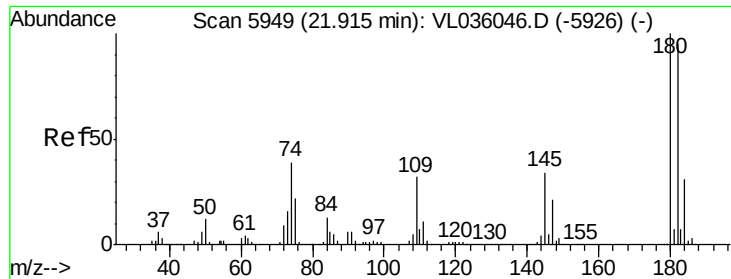
Delta R.T. 0.05 min

Lab File: VL036049.D

Acq: 3 Dec 2020 11:42

Tgt Ion:	142	Resp:	3551
Ion	Ratio	Lower	Upper
142	100		
141	63.6	68.6	103.0#
115	31.3	27.9	41.9





#81
 1,2,4-Trichlorobenzene
 Concen: 0.234 ppbv m
 RT: 21.93 min Scan# 5955
 Delta R.T. 0.02 min
 Lab File: VL036049.D
 Acq: 3 Dec 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
180	100	41321		
182	0.0	78.5	117.7#	
184	0.0	25.0	37.6#	

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 12:08:20 PM

