

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041221\
 Data File : VL036794.D
 Acq On : 12 Apr 2021 21:19
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

apatel
 4/13/2021 10:42:42 AM

Quant Time: Apr 12 21:59:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1464335	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3753574	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3134979m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2269699	9.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.80%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1930492	8.083	ppbv	97
3) Chlorodifluoromethane	2.99	51	2467589	9.019	ppbv	100
4) Chloromethane	3.14	50	858126	8.880	ppbv	98
5) Vinyl Chloride	3.26	62	824664	8.299	ppbv	98
6) Bromomethane	3.47	94	452795	8.277	ppbv	98
7) Chloroethane	3.56	64	297719	8.720	ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	1957781	8.589	ppbv	100
9) Propene	3.01	41	730519	8.376	ppbv	100
10) Heptane	8.13	43	1896274	8.534	ppbv	98
11) Trichlorofluoromethane	3.95	101	1999178	8.214	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1292825	8.308	ppbv	99
13) Ethanol	3.61	45	88866	8.556	ppbv	98
14) Bromoethene	3.74	108	562318	8.692	ppbv	98
15) Acetone	3.85	43	1150630	7.984	ppbv	99
16) 1,3-Butadiene	3.33	39	884340	8.813	ppbv	96
17) tert-Butyl alcohol	4.29	59	1231856	9.818	ppbv	98
18) 1,1-Dichloroethene	4.29	96	554553	8.011	ppbv	95
19) Isopropyl Alcohol	3.97	45	741004	9.346	ppbv	# 97
20) Methylene Chloride	4.35	84	485177	7.190	ppbv	98
21) Allyl Chloride	4.41	41	910211	7.922	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	566311	8.824	ppbv	99
23) Vinyl Acetate	5.08	43	2085408	8.459	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1561850	8.692	ppbv	99
25) Ethyl Acetate	5.68	43	2841150	8.292	ppbv	99
26) Hexane	5.69	57	1362443	8.568	ppbv	98
27) Carbon Disulfide	4.55	76	1429197	9.124	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1583471	8.444	ppbv	99
29) Chloroform	5.76	83	2189911	8.612	ppbv	98
30) Cyclohexane	7.13	84	1170819	9.079	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1323180	8.603	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2216408	8.648	ppbv	99
34) 2-Butanone	5.25	43	1357019	7.406	ppbv	99
35) Carbon Tetrachloride	7.02	117	2311656	8.018	ppbv	97
36) Benzene	6.90	78	2884512	8.332	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1641028	8.054	ppbv	100
38) Trichloroethene	7.84	130	1055478	7.834	ppbv	98
39) 1,2-Dichloropropane	7.62	63	1128438	8.036	ppbv	95
40) 1,4-Dioxane	7.84	88	251405	7.692	ppbv	# 1
41) Tetrahydrofuran	6.06	42	603833	7.148	ppbv	95
42) Bromodichloromethane	7.80	83	2355651	8.500	ppbv	99
43) Methyl Methacrylate	8.02	69	1074206	9.241	ppbv	97

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 4/13/2021 10:42:42 AM

Quant Time: Apr 12 21:59:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4883400	8.015	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	838129	6.314	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	1115992	6.577	ppbv	94
47) 1,1,2-Trichloroethane	9.48	97	1176858	8.274	ppbv	96
48) Dibromochloromethane	10.31	129	1918102	8.846	ppbv	100
49) Bromoform	13.05	173	1595201	9.131	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2028154	7.650	ppbv	100
51) 2-Hexanone	10.15	43	1033913	7.728	ppbv #	98
52) Tetrachloroethene	11.24	164	986877	7.742	ppbv	99
53) Toluene	9.82	91	3199702	8.679	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1691184	8.419	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1354693	9.554	ppbv	98
57) Chlorobenzene	12.16	112	2425988	9.095	ppbv	97
58) Ethyl Benzene	12.72	91	4347713	9.533	ppbv	98
59) m/p-Xylene	13.01	91	7370827m	18.528	ppbv	
60) o-Xylene	13.70	91	3468940	9.018	ppbv	100
61) Styrene	13.54	104	1864744	9.636	ppbv	99
62) Isopropylbenzene	14.68	105	4795178	9.257	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	2573778	8.772	ppbv	99
64) n-propylbenzene	15.57	120	1252793	9.892	ppbv	96
65) tert-Butylbenzene	16.76	119	4179129	9.304	ppbv	100
66) Benzyl Chloride	17.00	91	295014m	5.942	ppbv	
67) sec-Butylbenzene	17.31	105	5922578	9.341	ppbv	100
69) p-Isopropyltoluene	17.67	119	4864589	9.825	ppbv	99
70) n-Butylbenzene	18.56	91	5021812	9.782	ppbv	99
71) 2-Chlorotoluene	15.46	91	3717001	9.576	ppbv	99
72) 4-Ethyltoluene	15.85	105	4096349	9.719	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	3643014	9.261	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	3846060m	9.136	ppbv	
75) 1,3-Dichlorobenzene	17.01	146	2259461	9.535	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	2175227	9.246	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2199771	9.876	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1716987	8.607	ppbv	99
79) Naphthalene	22.21	128	2625043	10.686	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	575599	11.882	ppbv	99
81) 1,2,4-Trichlorobenzene	21.94	180	1569846	10.350	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1464335

Ion Ratio Lower Upper

49 100

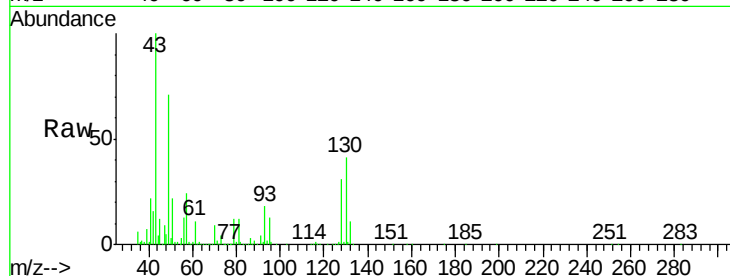
128 49.0 23.5 70.6

130 60.9 29.1 87.4

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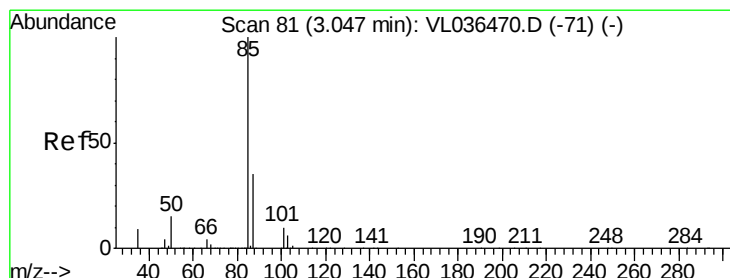
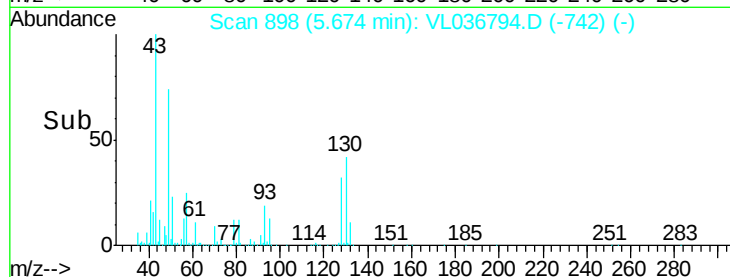
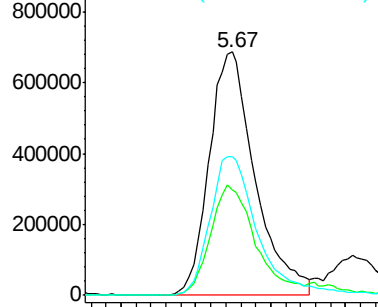
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.083 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL036794.D

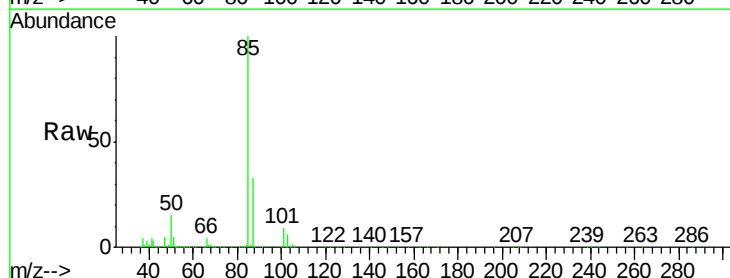
Acq: 12 Apr 2021 21:19

Tgt Ion: 85 Resp: 1930492

Ion Ratio Lower Upper

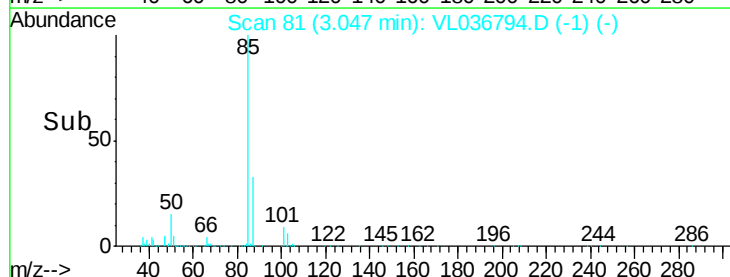
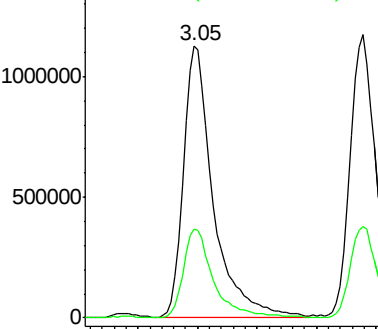
85 100

87 32.8 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.019 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.00 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 2467589

Ion Ratio Lower Upper

51 100

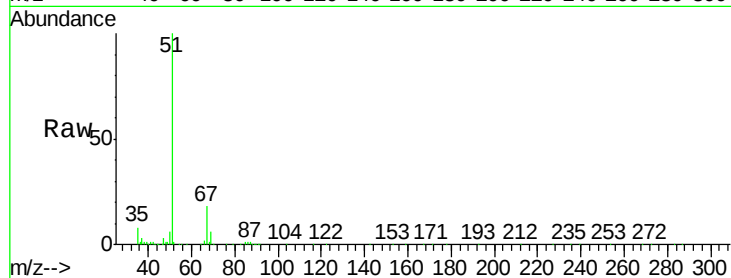
67 18.3 14.7 22.1

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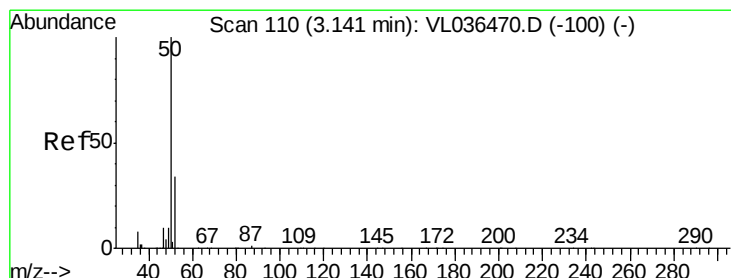
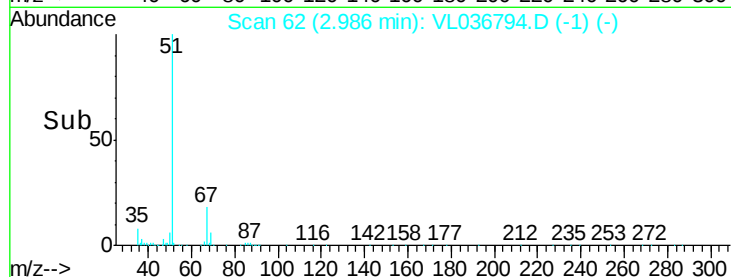
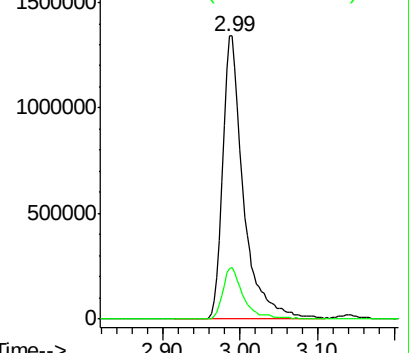
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.880 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL036794.D

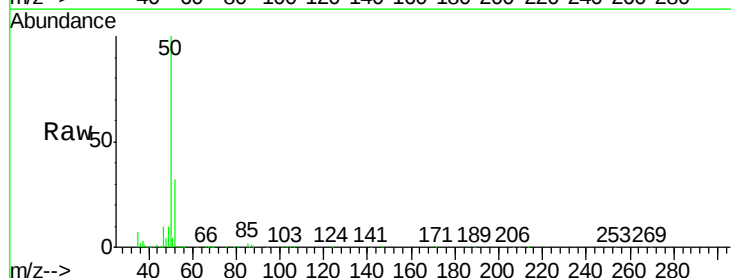
Acq: 12 Apr 2021 21:19

Tgt Ion: 50 Resp: 858126

Ion Ratio Lower Upper

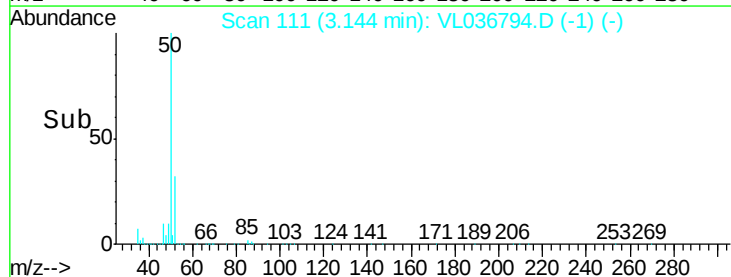
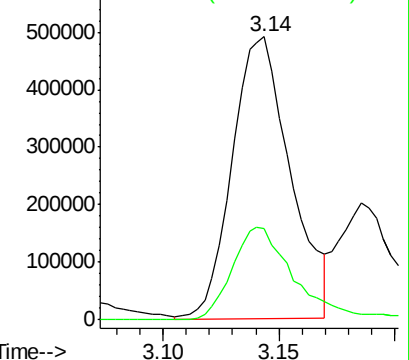
50 100

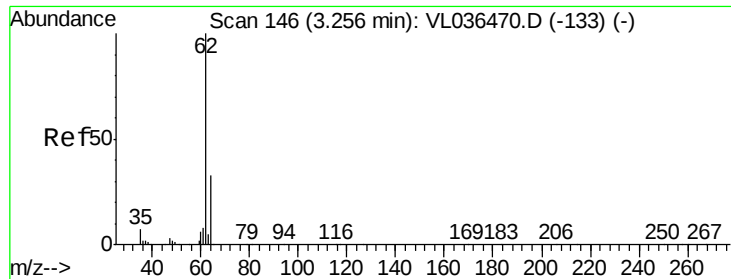
52 32.7 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.299 ppbv

RT: 3.26 min Scan# 146

Delta R.T. -0.00 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 824664

Ion Ratio Lower Upper

62 100

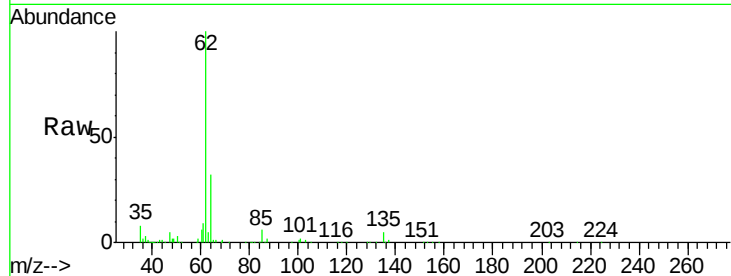
64 31.8 26.4 39.6

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

400000

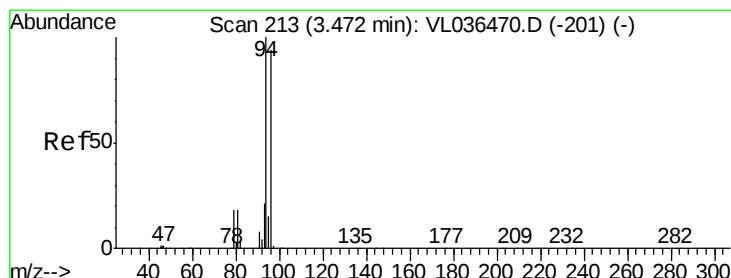
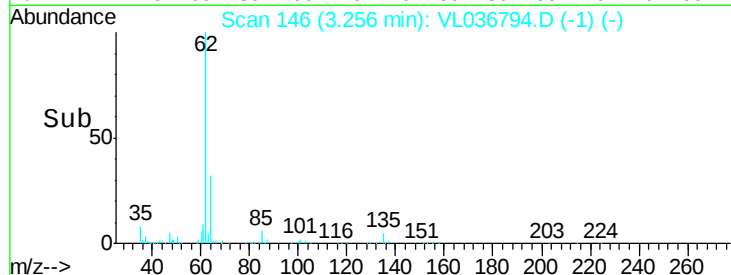
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 8.277 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL036794.D

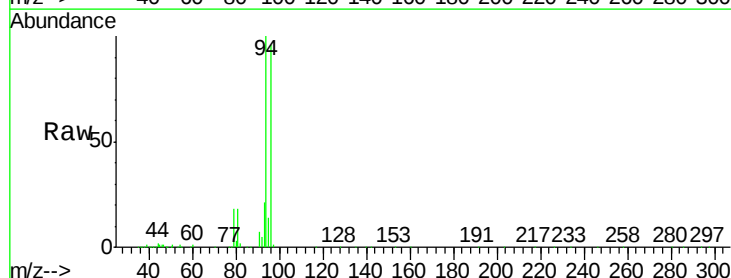
Acq: 12 Apr 2021 21:19

Tgt Ion: 94 Resp: 452795

Ion Ratio Lower Upper

94 100

96 95.9 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

250000

200000

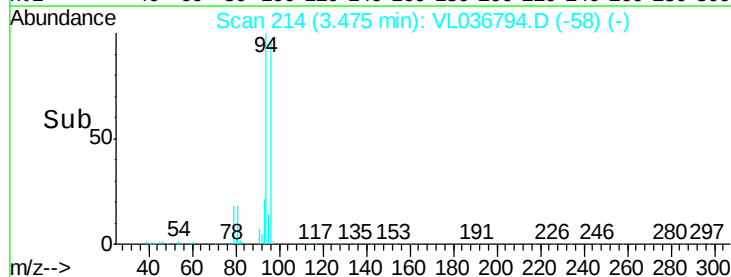
150000

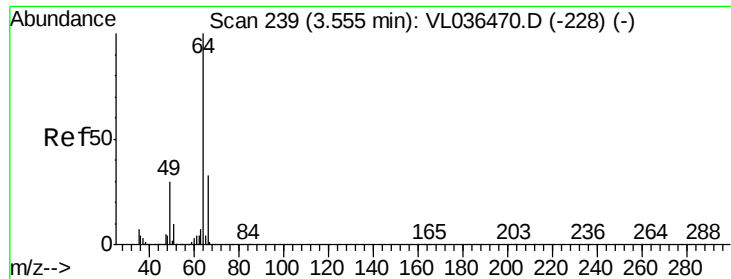
100000

50000

0

Time-->





#7

Chloroethane

Concen: 8.720 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 297719

Ion Ratio Lower Upper

64 100

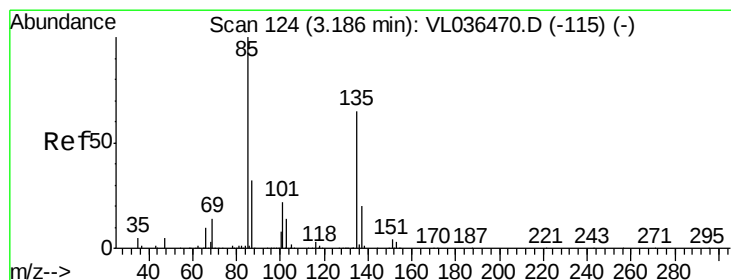
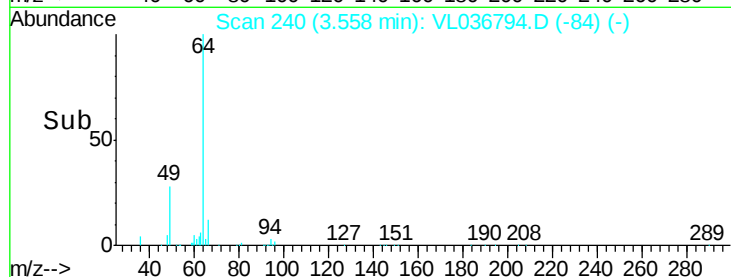
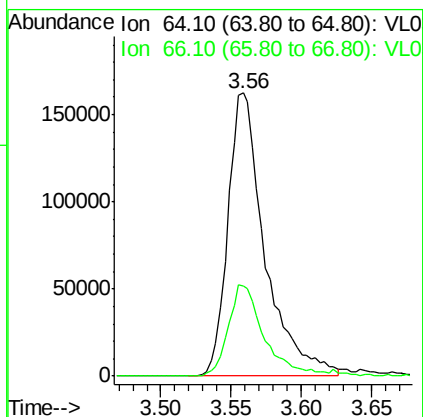
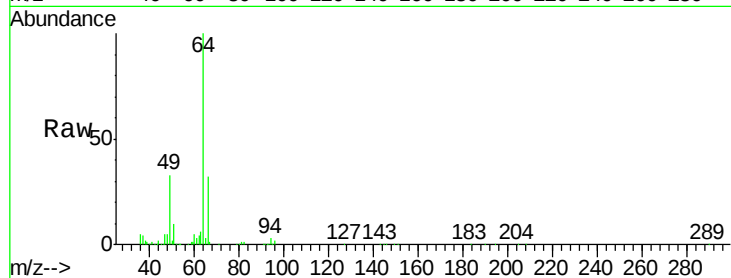
66 32.0 26.2 39.2

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#8

Dichlorotetrafluoroethane

Concen: 8.589 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL036794.D

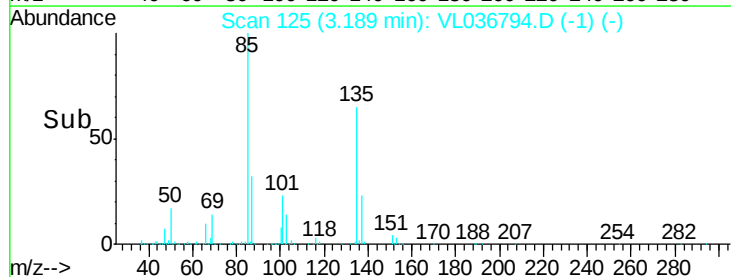
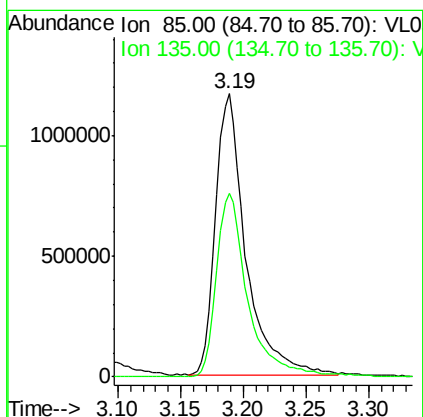
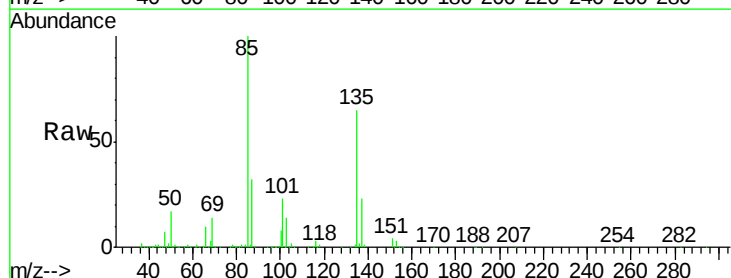
Acq: 12 Apr 2021 21:19

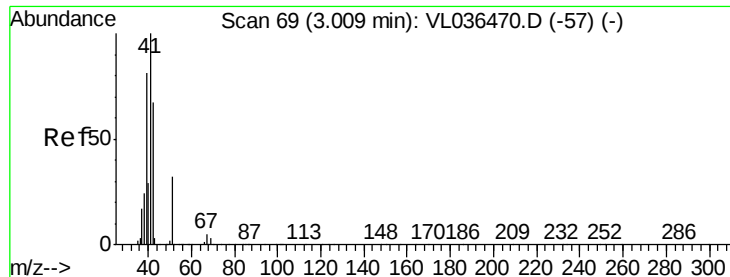
Tgt Ion: 85 Resp: 1957781

Ion Ratio Lower Upper

85 100

135 68.3 54.3 81.5





#9

Propene

Concen: 8.376 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 730519

Ion Ratio Lower Upper

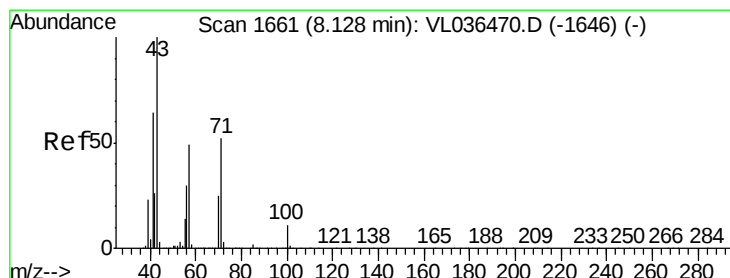
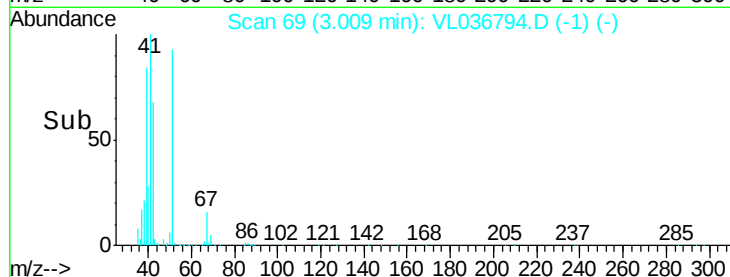
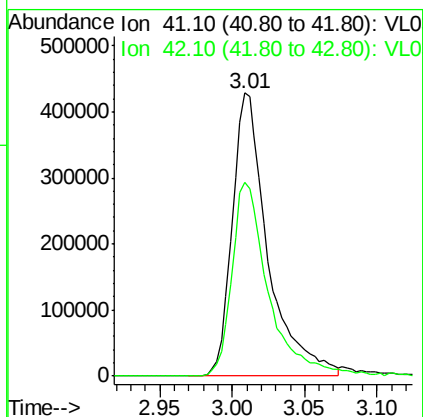
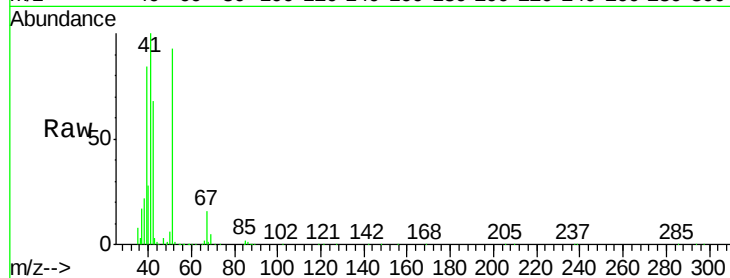
41 100

42 71.4 57.0 85.4

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#10

Heptane

Concen: 8.534 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VL036794.D

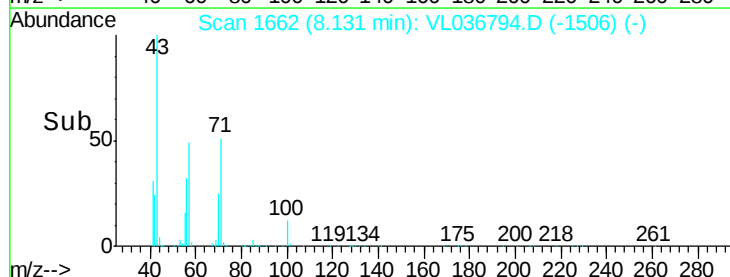
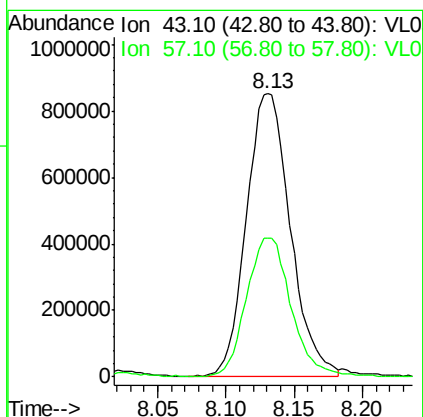
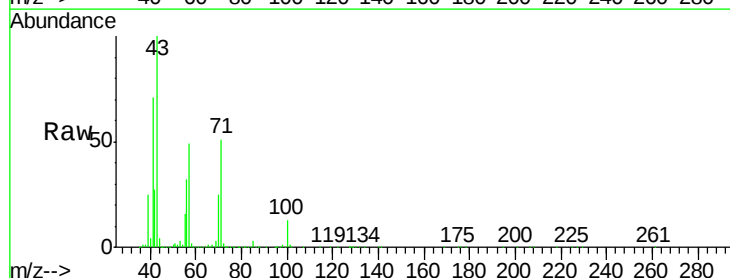
Acq: 12 Apr 2021 21:19

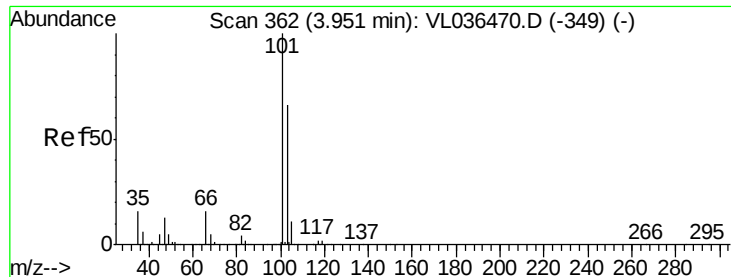
Tgt Ion: 43 Resp: 1896274

Ion Ratio Lower Upper

43 100

57 50.2 39.0 58.6





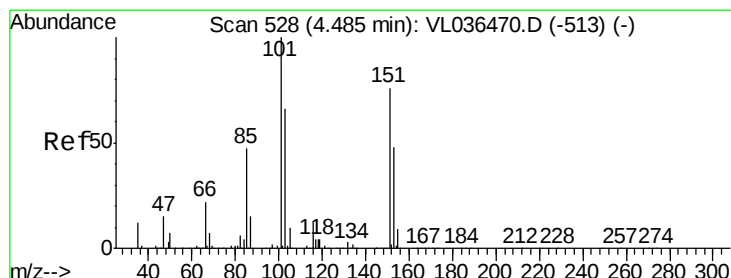
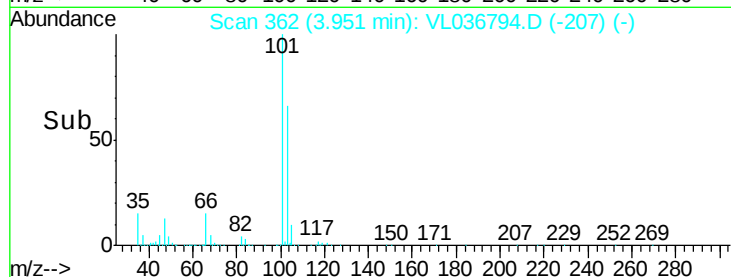
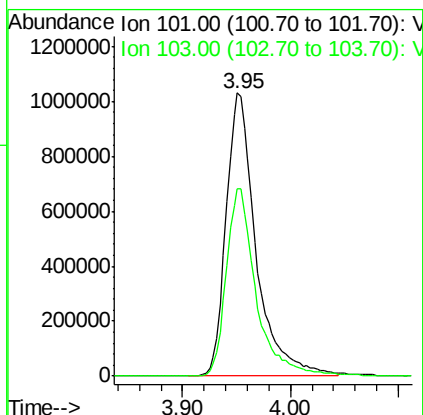
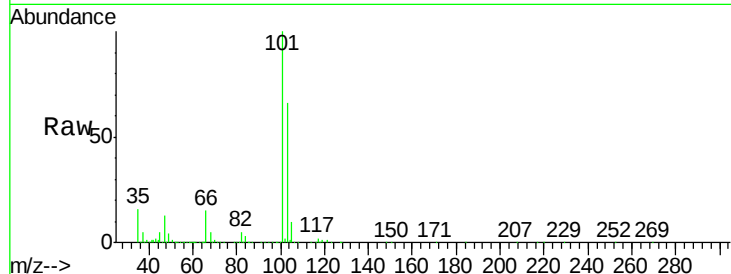
#11
 Trichlorofluoromethane
 Concen: 8.214 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.00 min
 Lab File: VL036794.D
 Acq: 12 Apr 2021 21:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1999178
 Ion Ratio Lower Upper
 101 100
 103 66.2 52.5 78.7

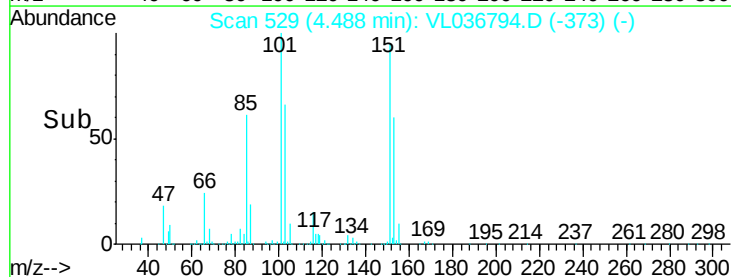
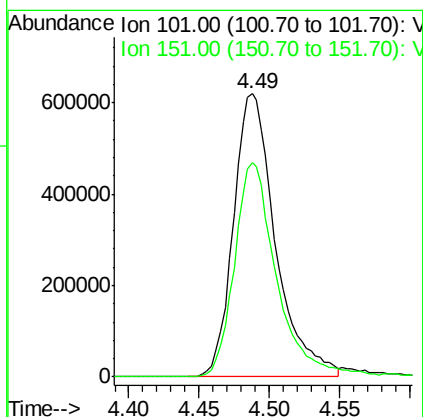
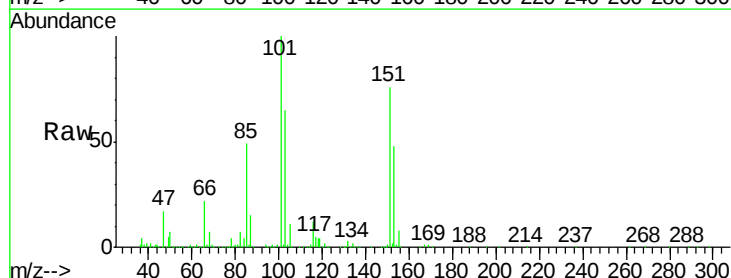
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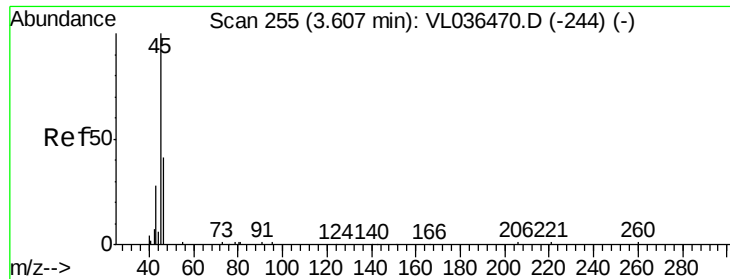
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.308 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VL036794.D
 Acq: 12 Apr 2021 21:19

Tgt Ion:101 Resp: 1292825
 Ion Ratio Lower Upper
 101 100
 151 77.1 60.9 91.3





#13

Ethanol

Concen: 8.556 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.00 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 88866

Ion Ratio Lower Upper

45 100

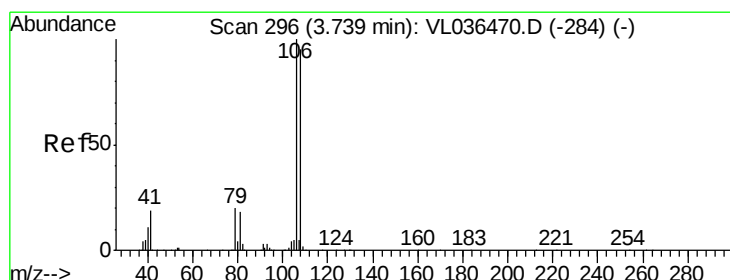
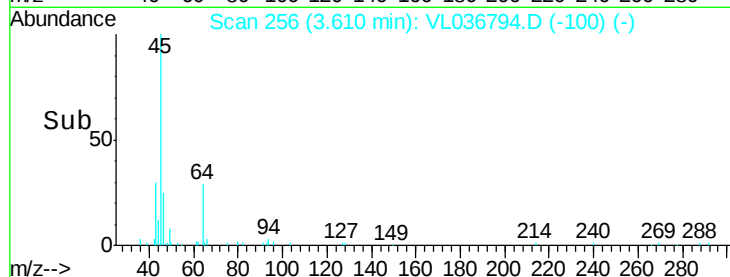
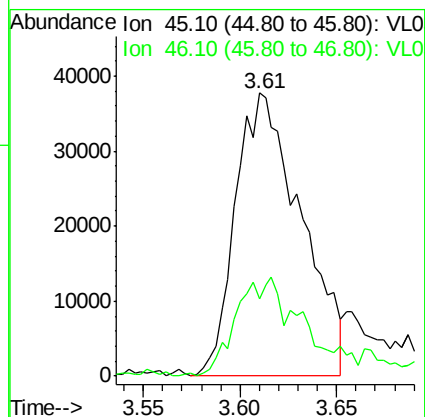
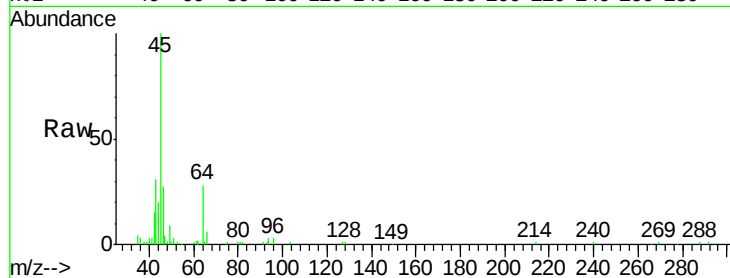
46 42.9 16.6 66.2

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#14

Bromoethene

Concen: 8.692 ppbv

RT: 3.74 min Scan# 297

Delta R.T. 0.00 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

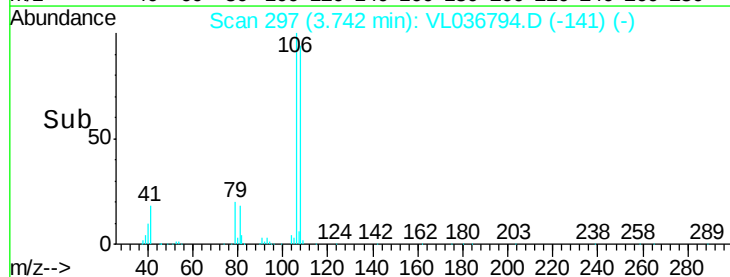
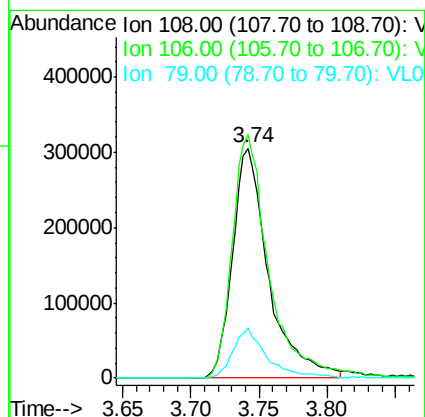
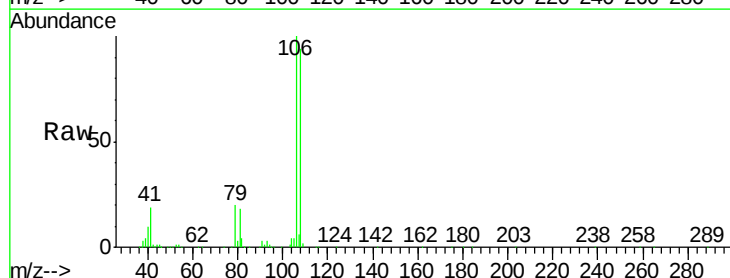
Tgt Ion: 108 Resp: 562318

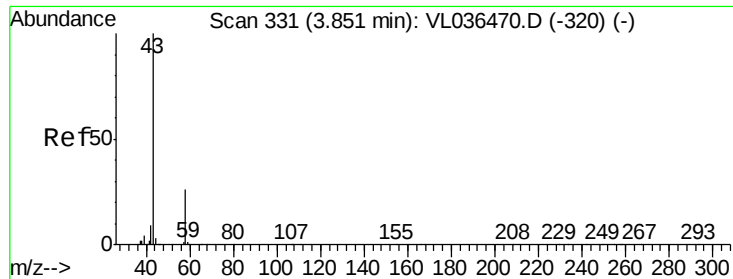
Ion Ratio Lower Upper

108 100

106 109.4 89.0 133.6

79 20.7 16.6 25.0





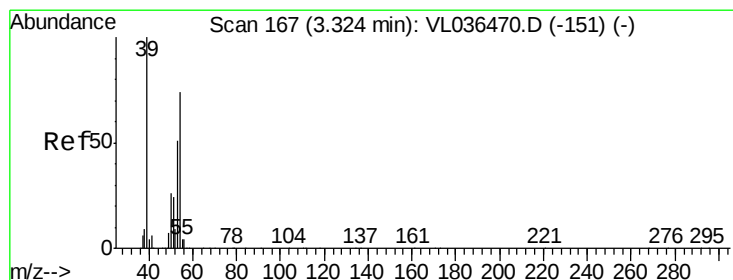
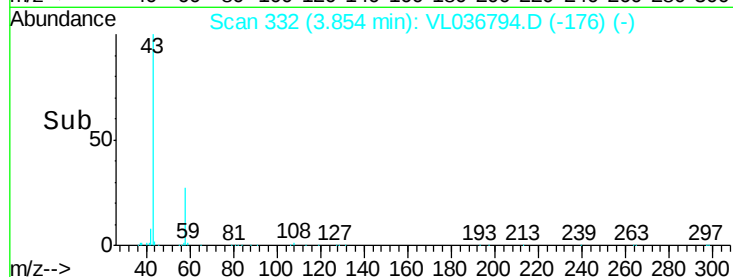
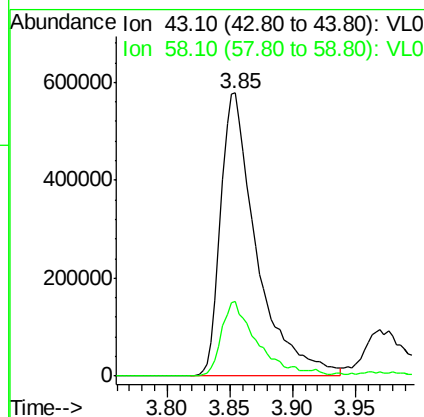
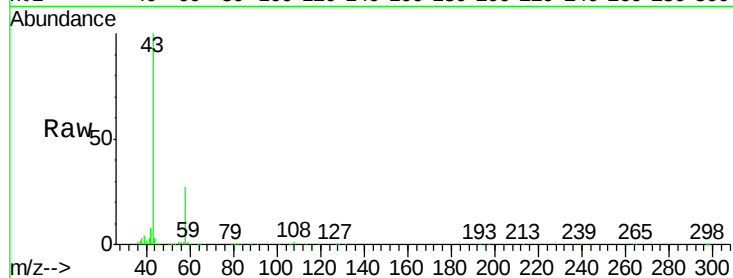
#15
Acetone
Concen: 7.984 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL036794.D
Acq: 12 Apr 2021 21:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1150630
Ion Ratio Lower Upper
43 100
58 26.9 21.2 31.8

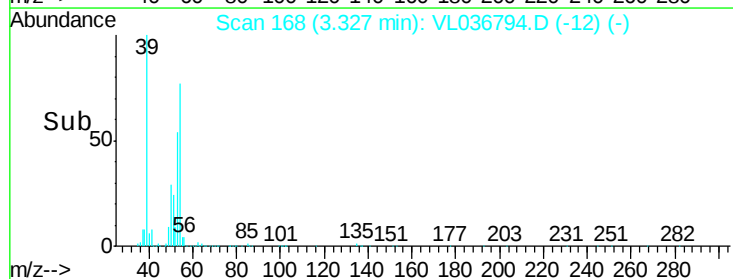
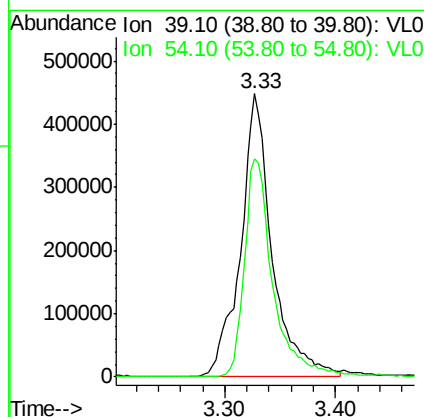
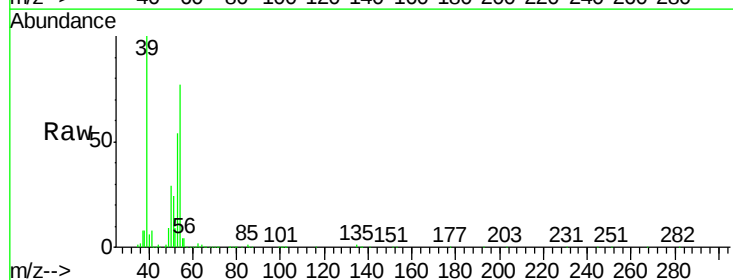
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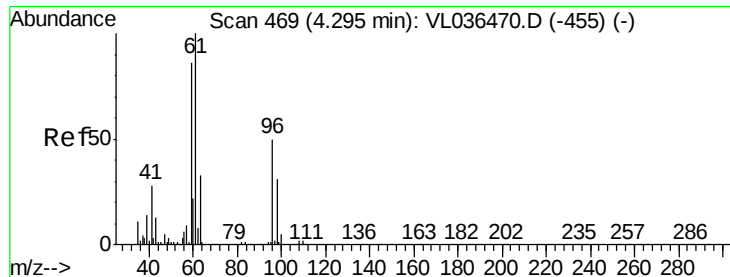
apatel
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#16
1,3-Butadiene
Concen: 8.813 ppbv
RT: 3.33 min Scan# 168
Delta R.T. 0.00 min
Lab File: VL036794.D
Acq: 12 Apr 2021 21:19

Tgt Ion: 39 Resp: 884340
Ion Ratio Lower Upper
39 100
54 70.5 58.8 88.2





#17

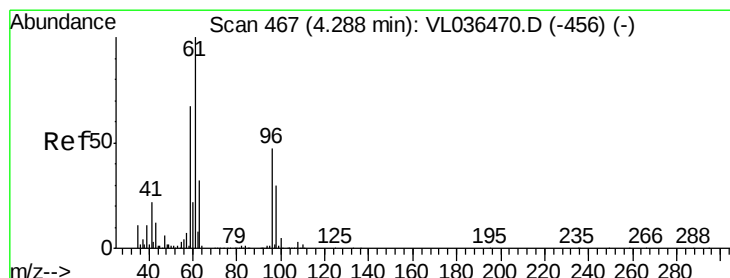
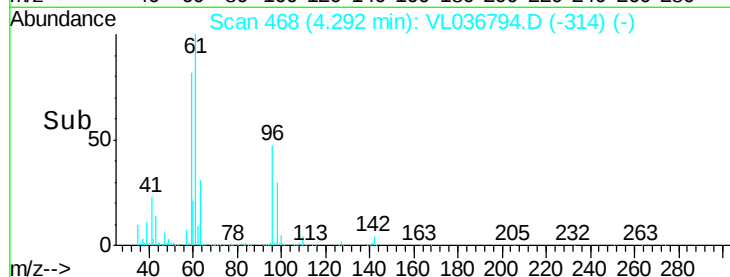
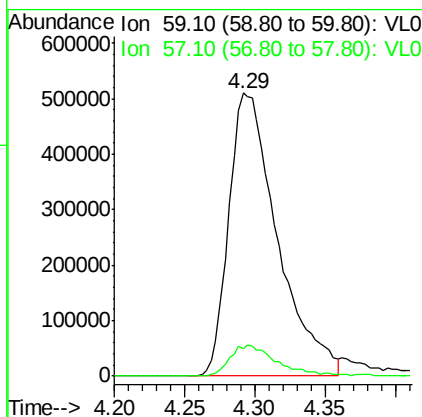
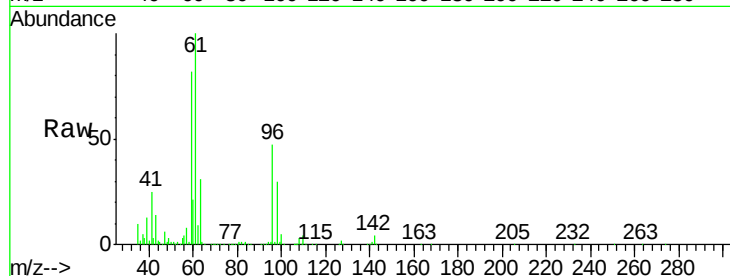
tert-Butyl alcohol
Concen: 9.818 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.00 min
Lab File: VL036794.D
Acq: 12 Apr 2021 21:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1231856
Ion Ratio Lower Upper
59 100
57 11.4 8.6 12.8

Manual Integrations
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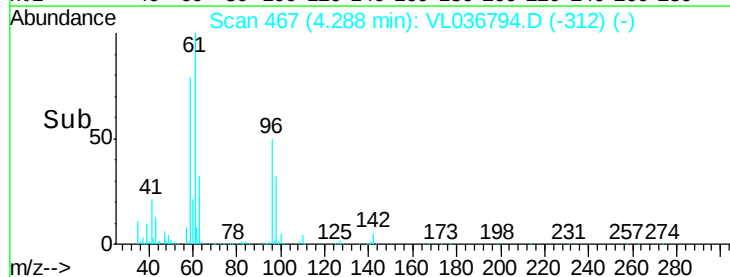
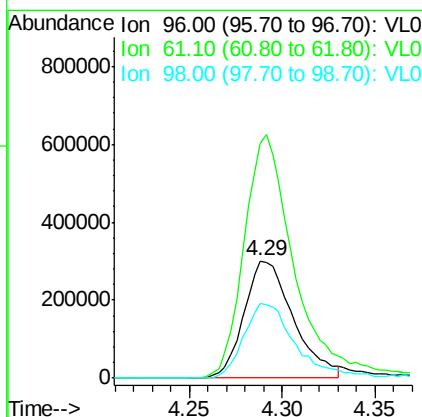
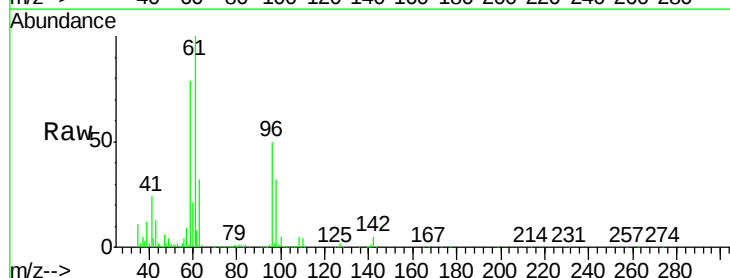
apatel
4/13/2021 10:42:42 AM

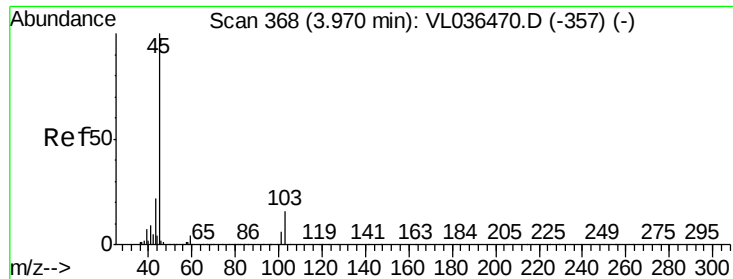


#18

1,1-Dichloroethene
Concen: 8.011 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.00 min
Lab File: VL036794.D
Acq: 12 Apr 2021 21:19

Tgt Ion: 96 Resp: 554553
Ion Ratio Lower Upper
96 100
61 200.1 168.6 253.0
98 64.2 50.8 76.2





#19

Isopropyl Alcohol

Concen: 9.346 ppbv

RT: 3.97 min Scan# 368

Delta R.T. -0.00 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 741004

Ion Ratio Lower Upper

45 100

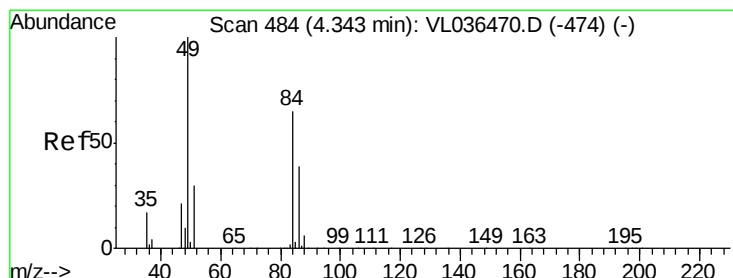
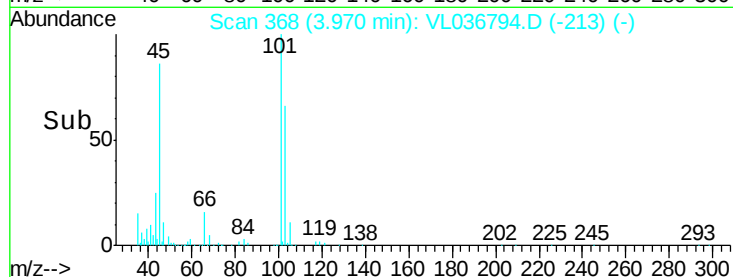
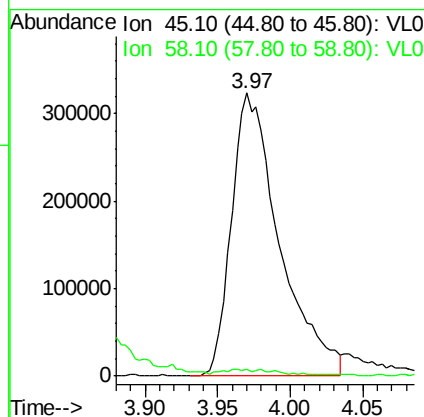
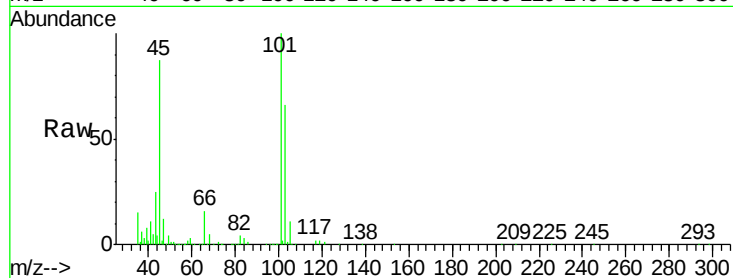
58 2.6 2.9 4.3#

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#20

Methylene Chloride

Concen: 7.190 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

Tgt Ion: 84 Resp: 485177

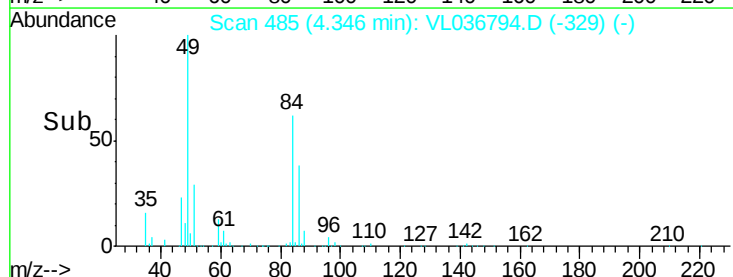
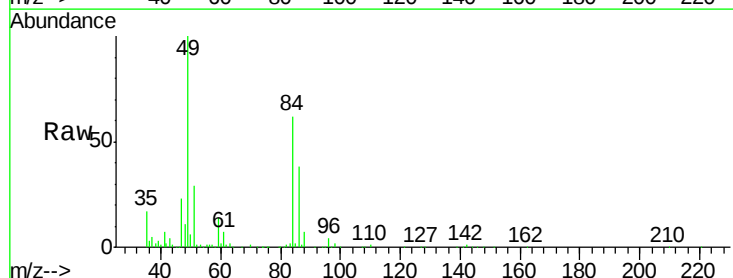
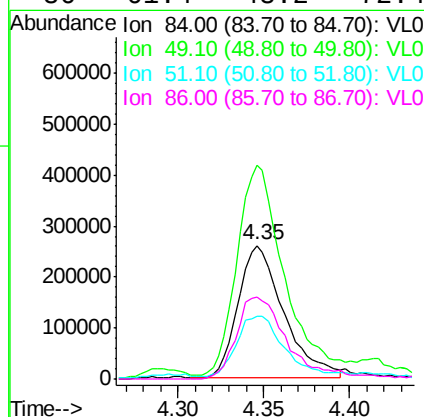
Ion Ratio Lower Upper

84 100

49 157.6 122.9 184.3

51 45.0 36.9 55.3

86 61.4 48.2 72.4





#21

Allvl Chloride

Concen: 7.922 ppbv

RT: 4.41 min Scan# 506

Delta R.T. -0.00 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

Instrument :

MSVOA_L

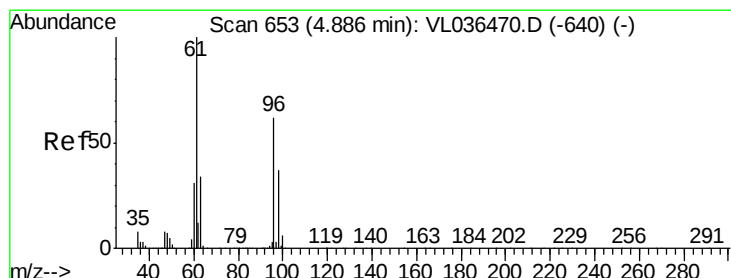
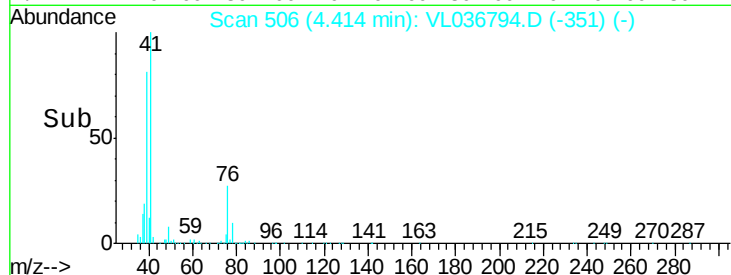
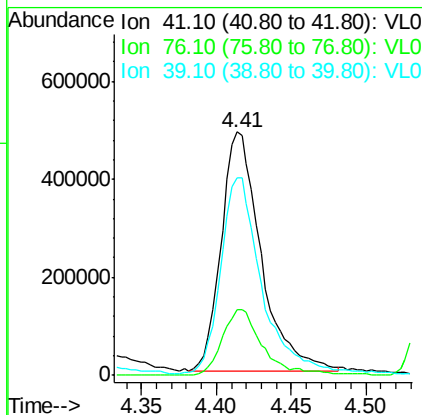
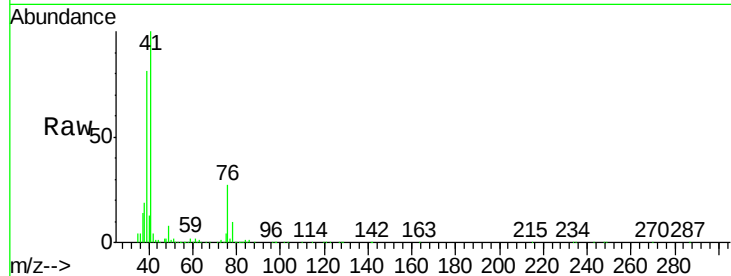
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	910211
Ion Ratio		Lower	Upper
41	100		
76	28.3	22.9	34.3
39	84.7	67.3	100.9

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 8.824 ppbv

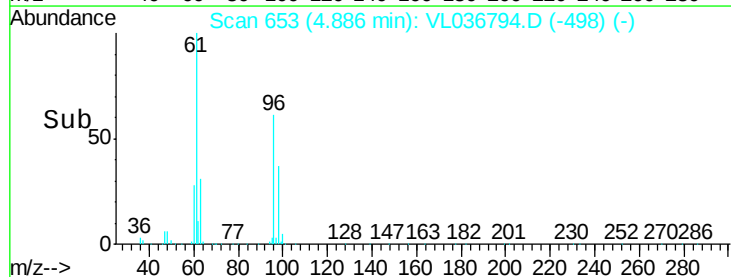
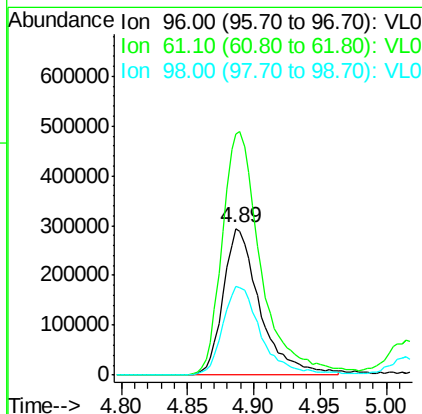
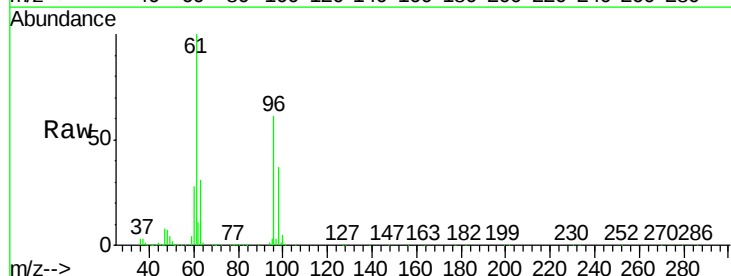
RT: 4.89 min Scan# 653

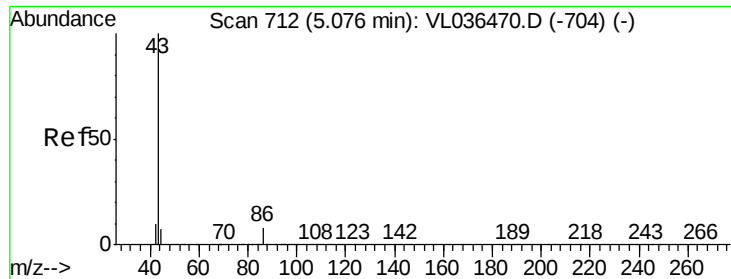
Delta R.T. -0.00 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

Tgt Ion:	96	Resp:	566311
Ion Ratio		Lower	Upper
96	100		
61	164.2	129.4	194.0
98	60.2	48.2	72.4





#23

Vinyl Acetate

Concen: 8.459 ppbv

RT: 5.08 min Scan# 712

Delta R.T. -0.00 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2085408

Ion Ratio Lower Upper

43 100

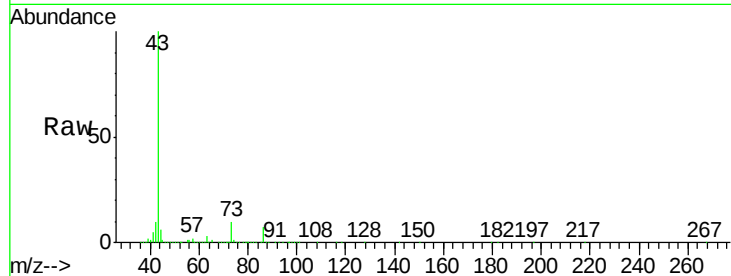
86 7.2 5.4 8.0

42 9.8 8.5 12.7

44 5.6 4.6 7.0

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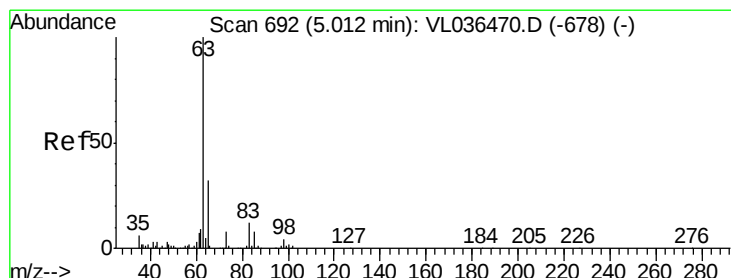
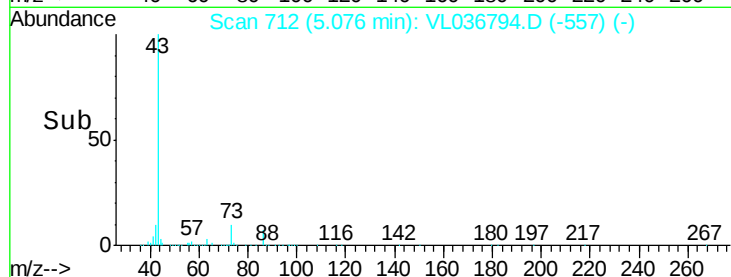
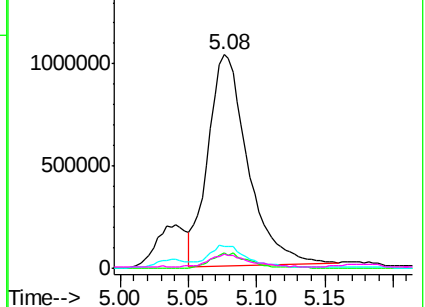


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.692 ppbv

RT: 5.01 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

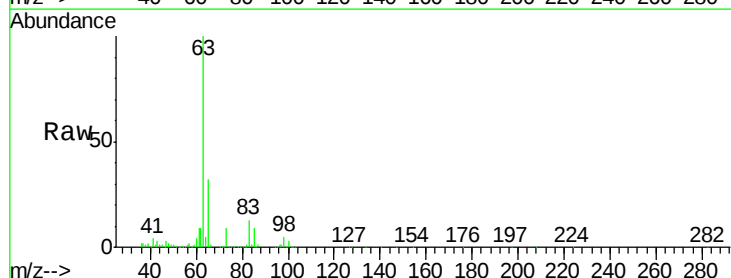
Tgt Ion: 63 Resp: 1561850

Ion Ratio Lower Upper

63 100

98 4.5 2.1 6.2

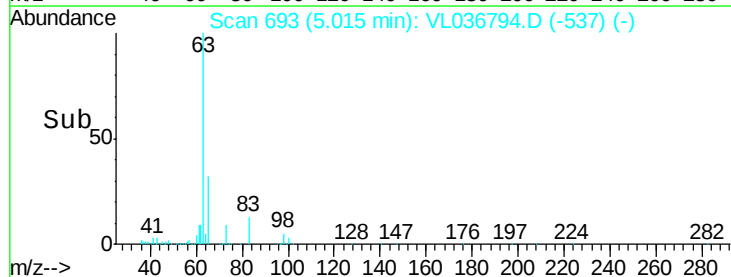
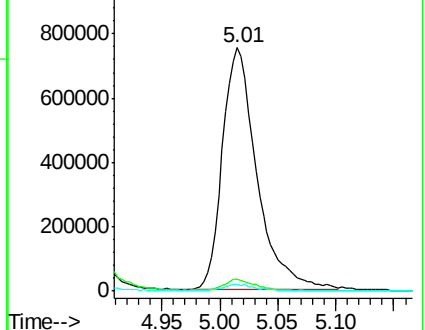
100 2.5 0.9 2.8

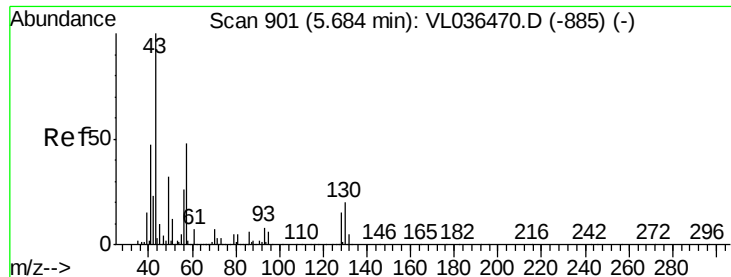


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





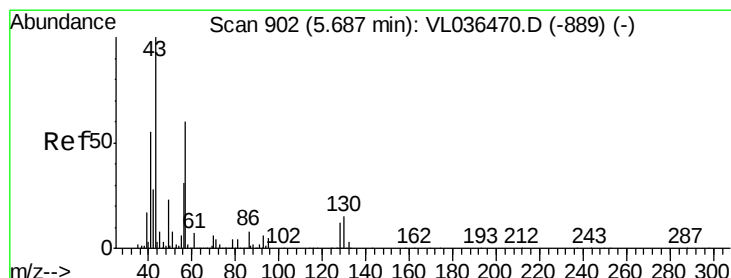
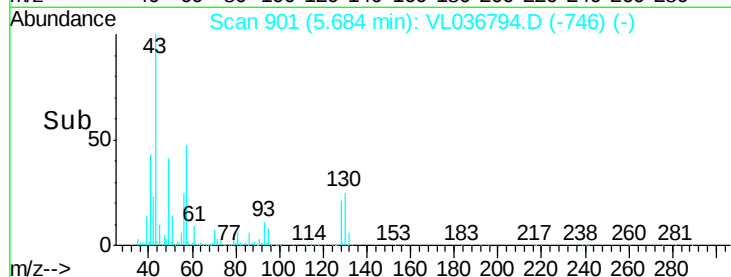
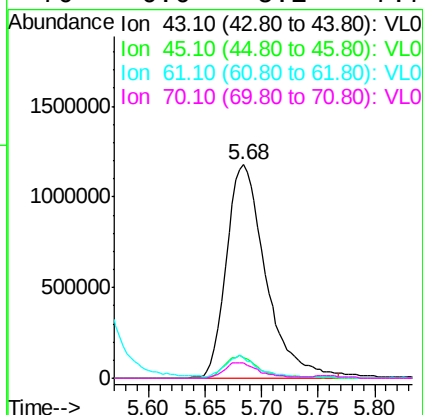
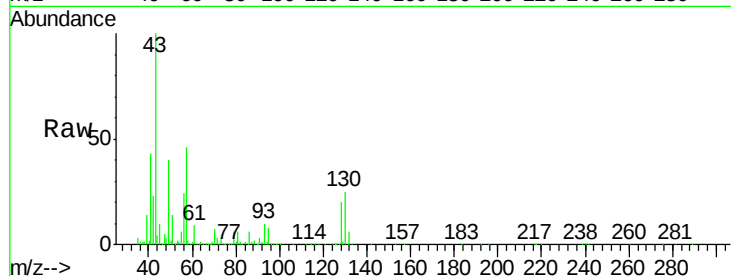
#25
Ethyl Acetate
Concen: 8.292 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL036794.D
Acq: 12 Apr 2021 21:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.7	7.9	11.9	
61	9.1	7.4	11.2	
70	6.6	5.1	7.7	

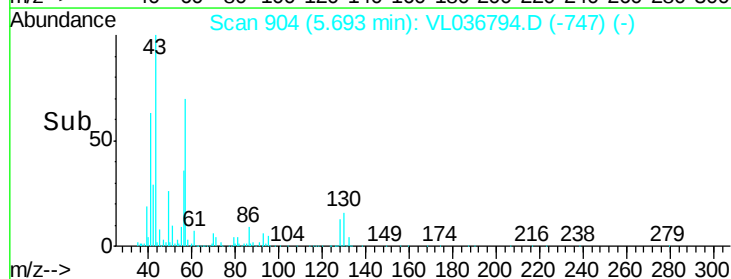
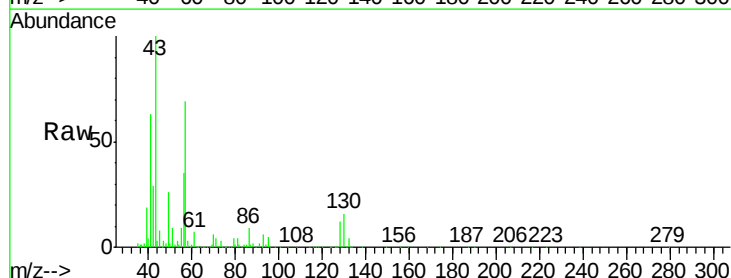
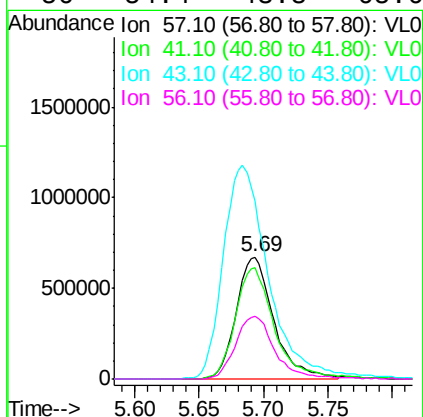
Manual Integrations
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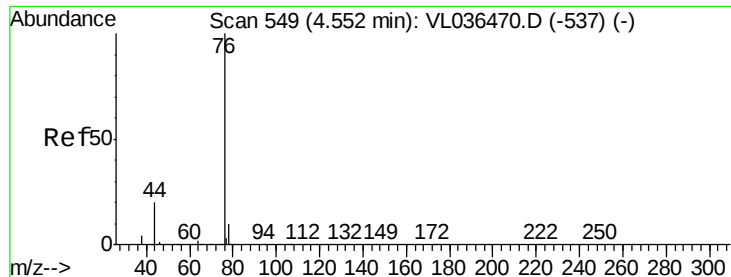
apatel
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#26
Hexane
Concen: 8.568 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL036794.D
Acq: 12 Apr 2021 21:19

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	95.5	77.2	115.8	
43	211.7	173.8	260.6	
56	54.4	43.8	65.6	





#27

Carbon Disulfide

Concen: 9.124 ppbv

RT: 4.55 min Scan# 549

Delta R.T. -0.00 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1429197

Ion Ratio Lower Upper

76 100

44 21.2 17.5 26.3

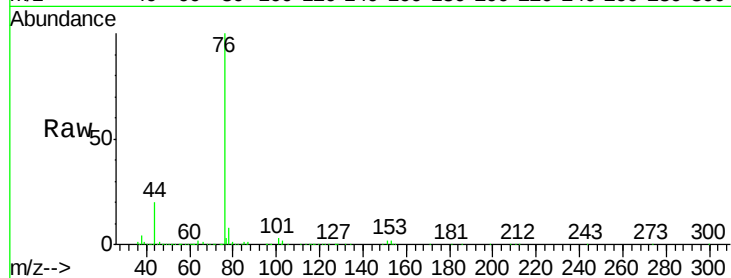
78 9.4 8.6 13.0

Manual Integrations

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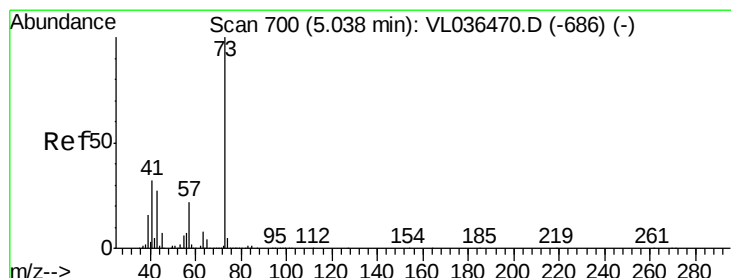
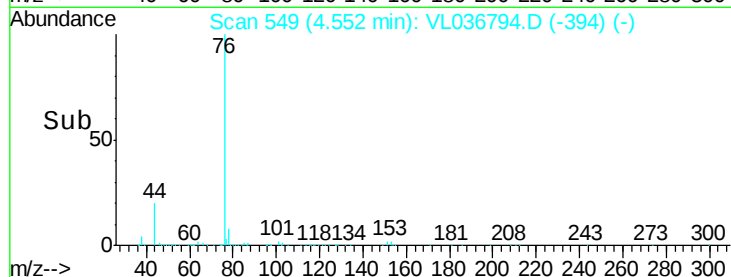
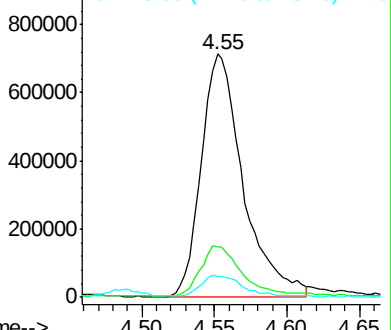
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 8.444 ppbv

RT: 5.04 min Scan# 700

Delta R.T. -0.00 min

Lab File: VL036794.D

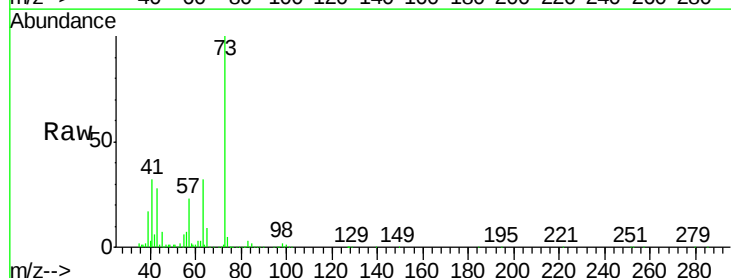
Acq: 12 Apr 2021 21:19

Tgt Ion: 73 Resp: 1583471

Ion Ratio Lower Upper

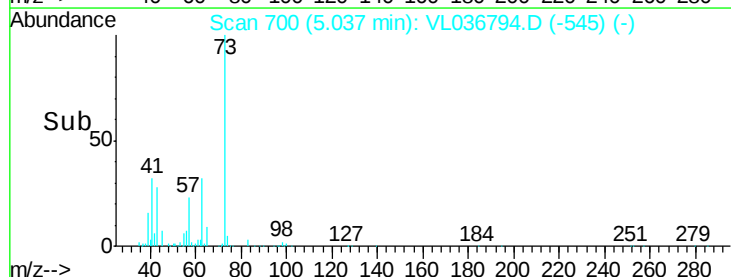
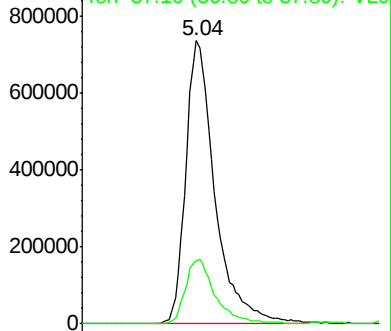
73 100

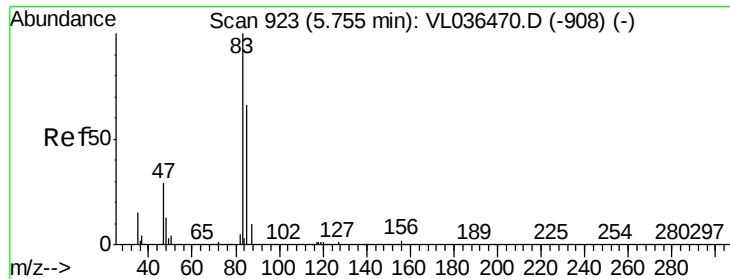
57 23.6 18.5 27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





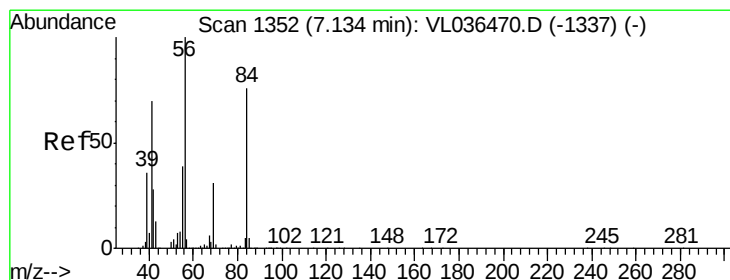
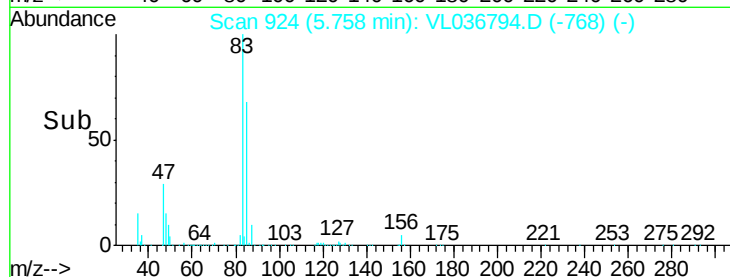
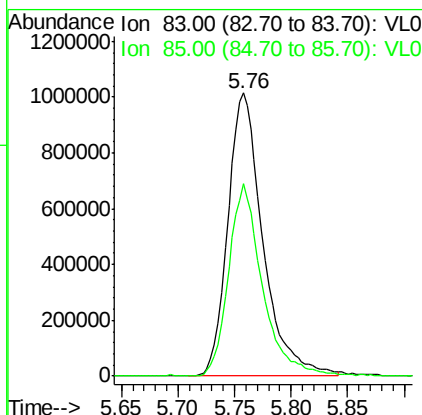
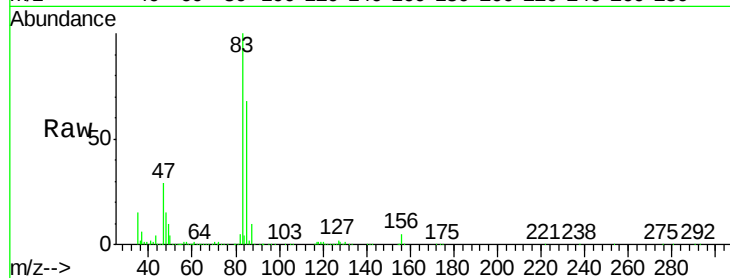
#29
Chloroform
Concen: 8.612 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.00 min
Lab File: VL036794.D
Acq: 12 Apr 2021 21:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2189911
Ion Ratio Lower Upper
83 100
85 67.7 52.6 78.8

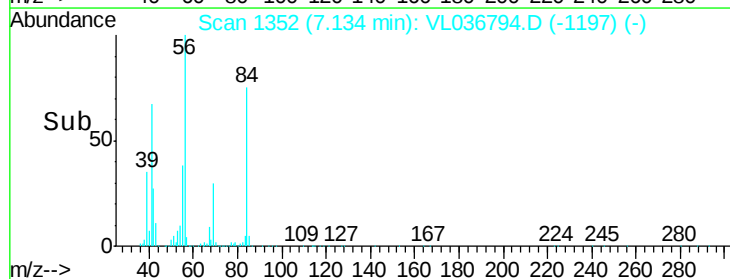
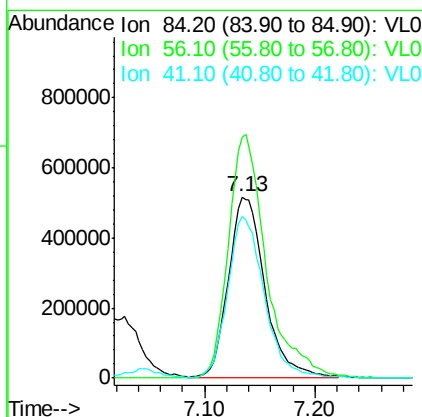
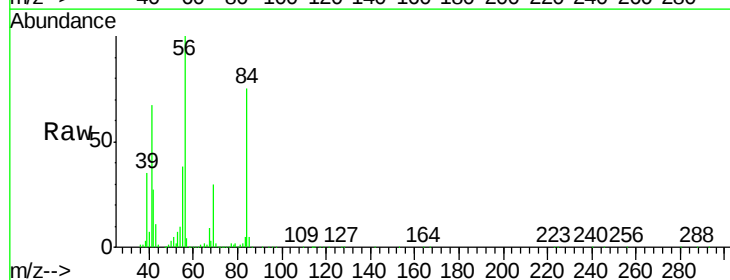
Manual Integrations
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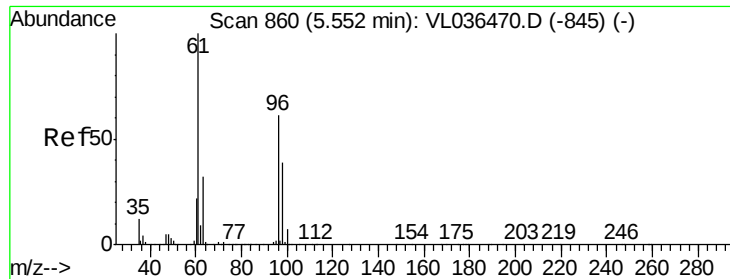
apatel
4/13/2021 10:42:42 AM



#30
Cyclohexane
Concen: 9.079 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.00 min
Lab File: VL036794.D
Acq: 12 Apr 2021 21:19

Tgt Ion: 84 Resp: 1170819
Ion Ratio Lower Upper
84 100
56 142.3 114.6 171.8
41 91.0 75.3 112.9





#31

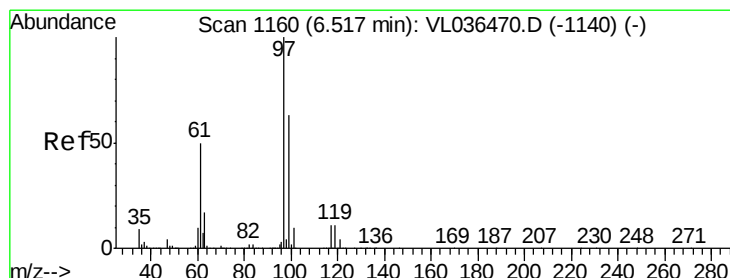
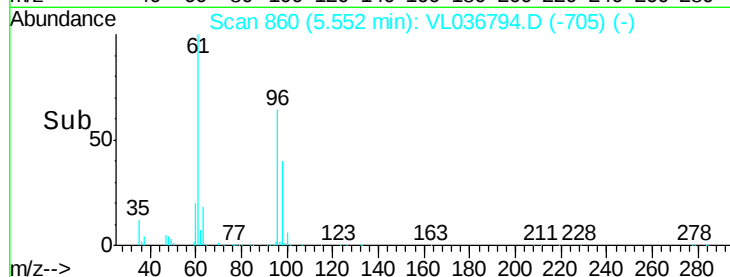
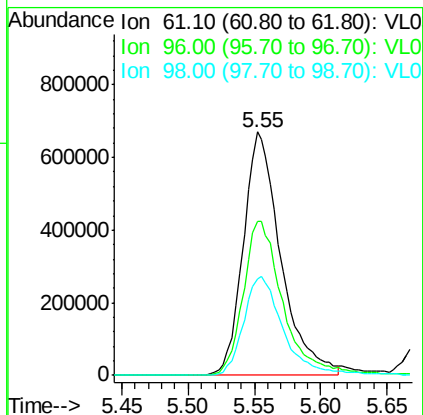
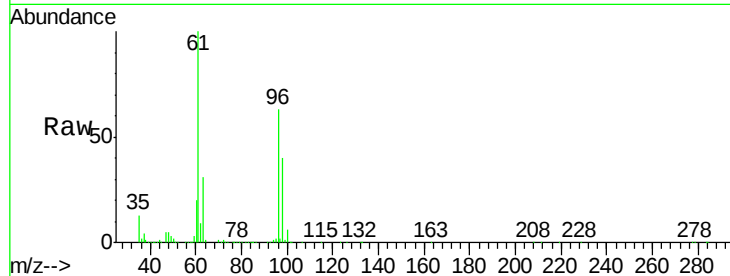
cis-1,2-Dichloroethene
 Concen: 8.603 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. -0.00 min
 Lab File: VL036794.D
 Acq: 12 Apr 2021 21:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.4	48.7	73.1
98	39.7	31.4	47.0

Manual Integrations
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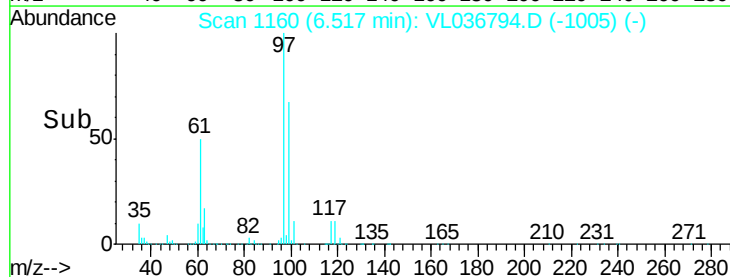
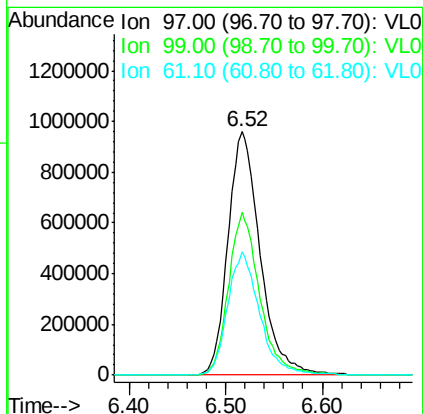
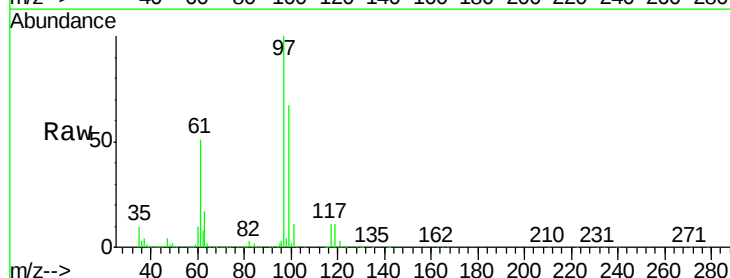
apatel
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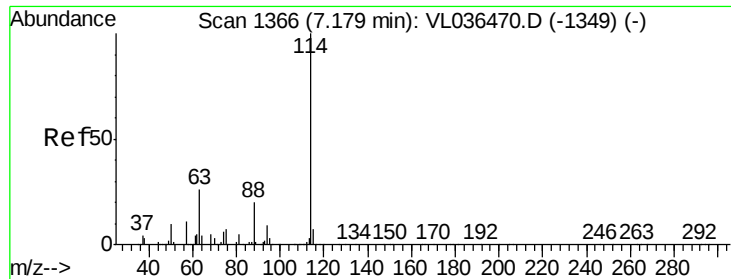


#32

1,1,1-Trichloroethane
 Concen: 8.648 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. -0.00 min
 Lab File: VL036794.D
 Acq: 12 Apr 2021 21:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.4	77.0
61	50.4	40.6	60.8





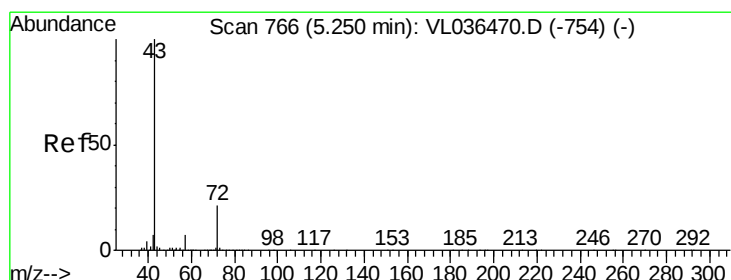
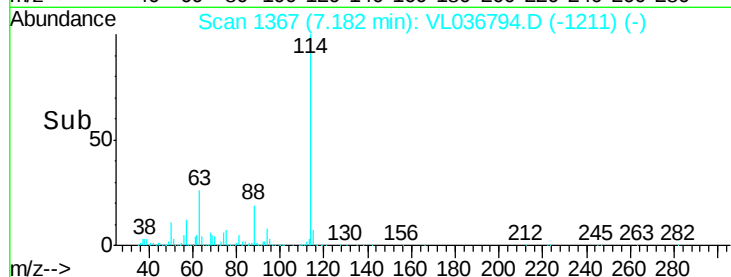
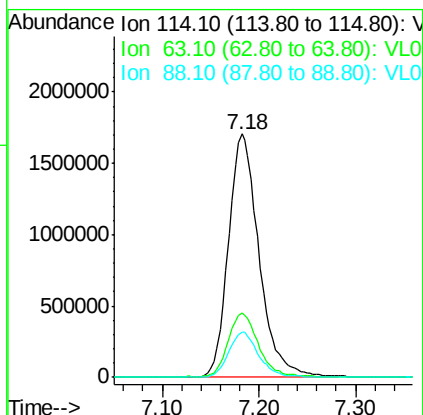
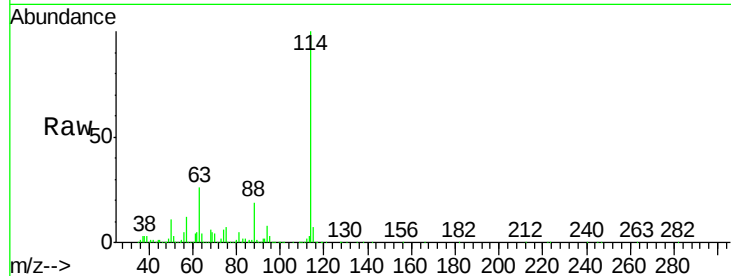
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VL036794.D
 Acq: 12 Apr 2021 21:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 3753574
 Ion Ratio Lower Upper
 114 100
 63 26.8 22.4 33.6
 88 18.6 15.4 23.0

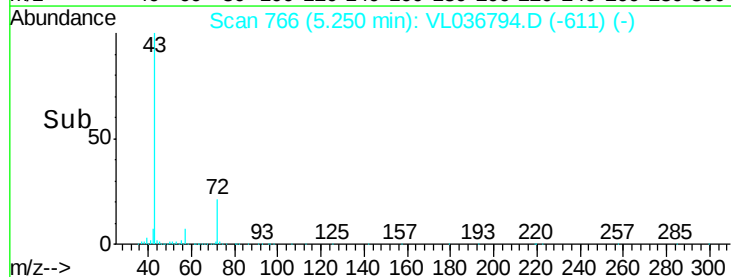
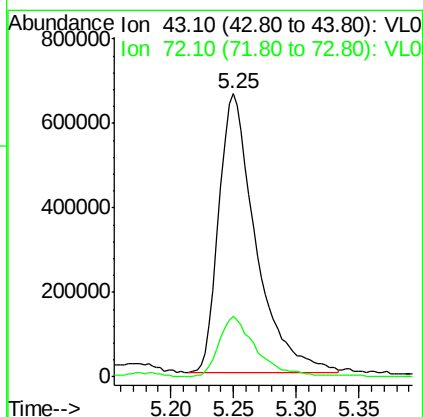
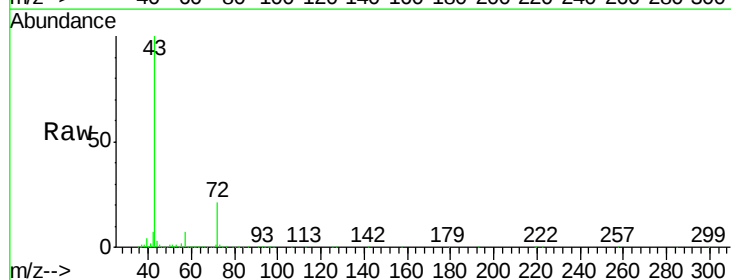
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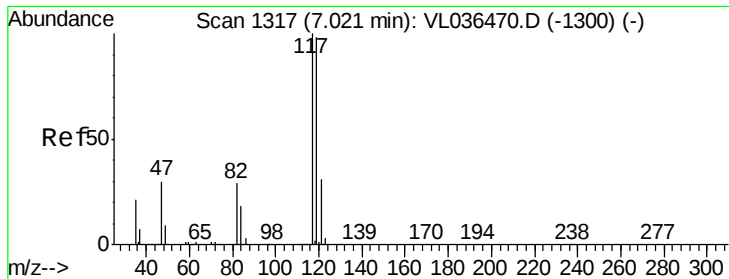
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#34
 2-Butanone
 Concen: 7.406 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VL036794.D
 Acq: 12 Apr 2021 21:19

Tgt Ion: 43 Resp: 1357019
 Ion Ratio Lower Upper
 43 100
 72 21.9 17.0 25.6





#35

Carbon Tetrachloride

Concen: 8.018 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2311656

Ion Ratio Lower Upper

117 100

119 100.3 78.2 117.2

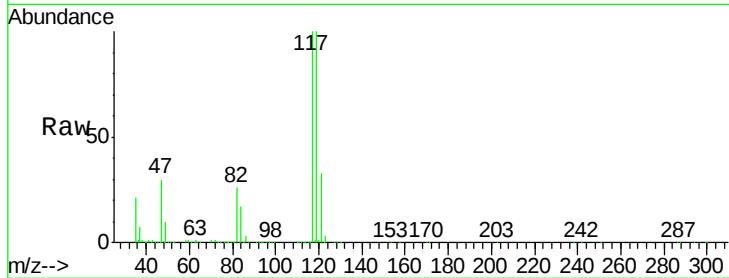
121 32.7 24.5 36.7

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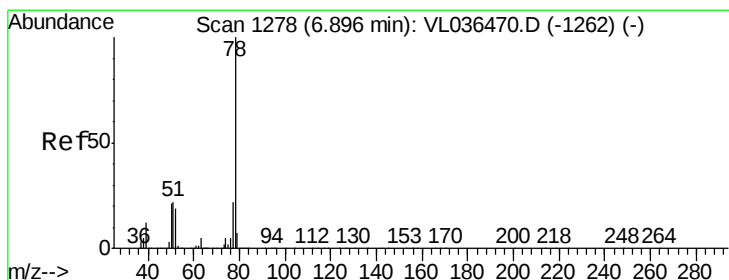
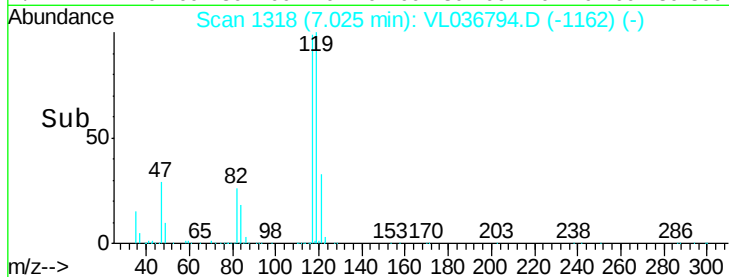
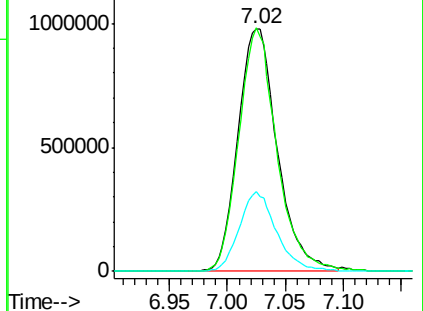
4/13/2021 10:42:42 AM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.332 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.00 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

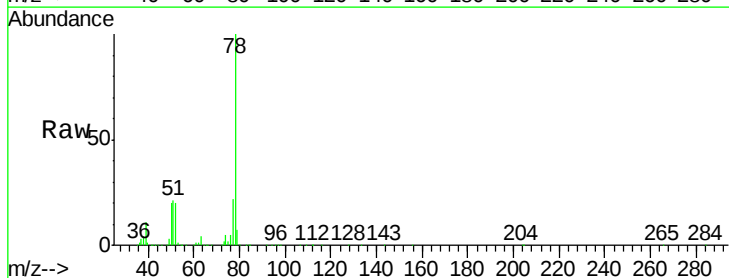
Tgt Ion: 78 Resp: 2884512

Ion Ratio Lower Upper

78 100

77 21.8 18.0 27.0

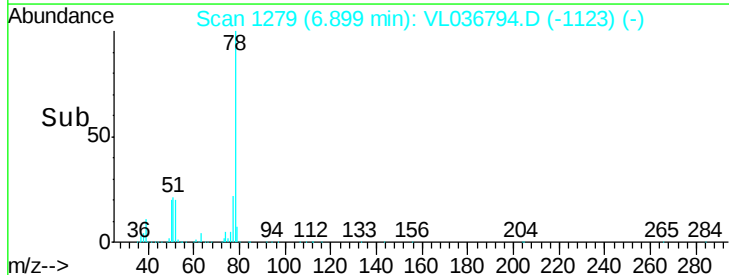
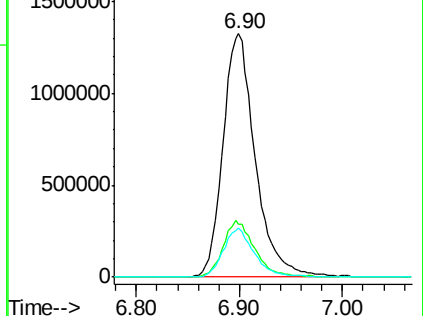
50 20.3 16.5 24.7

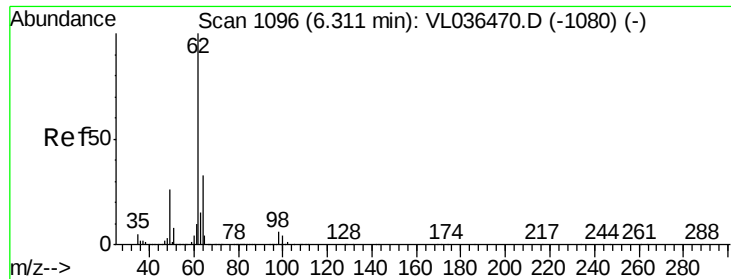


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





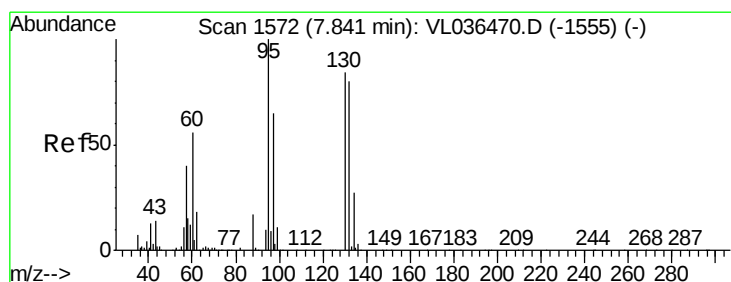
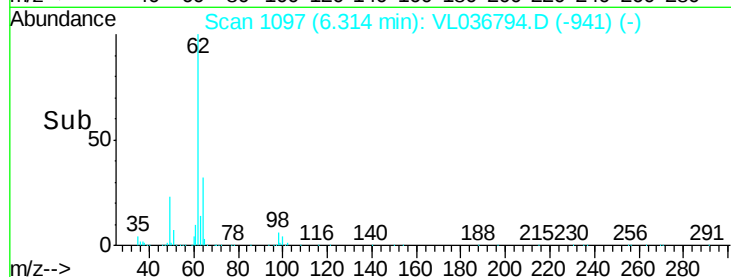
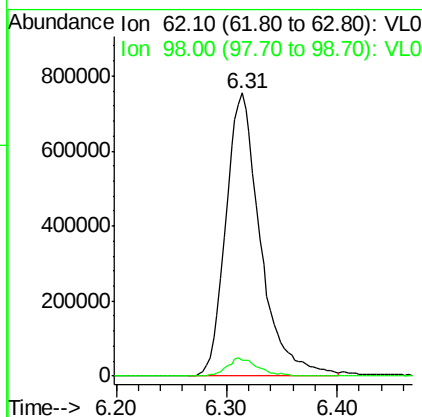
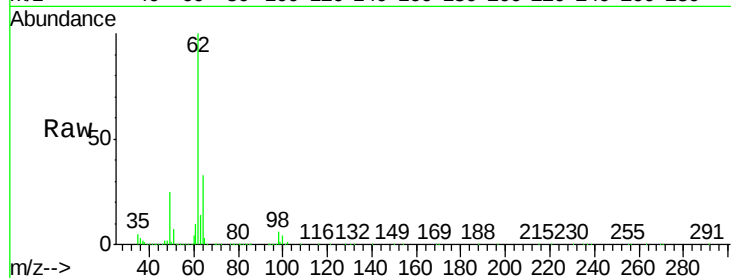
#37
 1,2-Dichloroethane
 Concen: 8.054 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.00 min
 Lab File: VL036794.D
 Acq: 12 Apr 2021 21:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.2	4.9	7.3

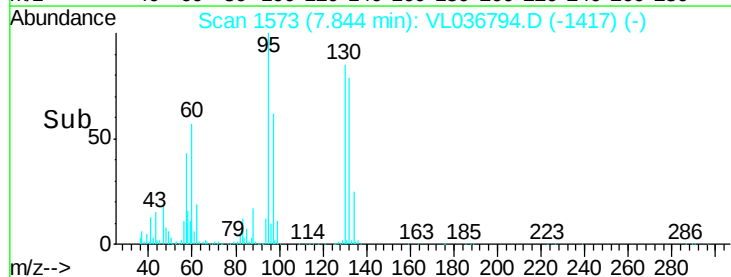
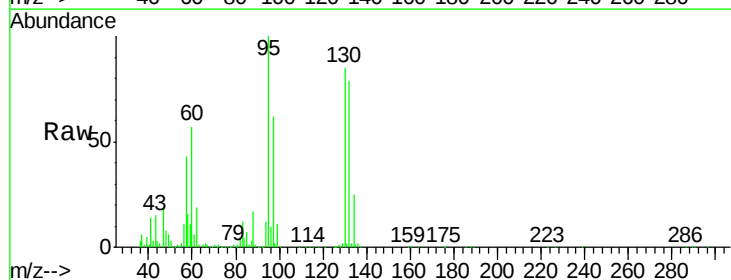
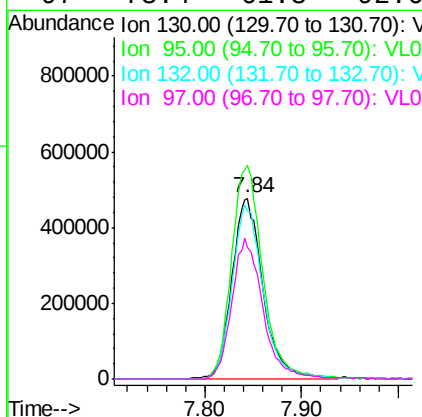
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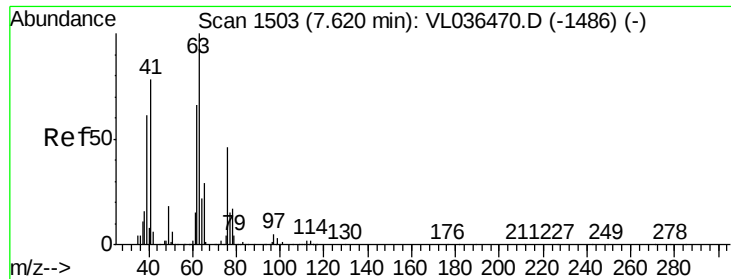
apatel
 4/13/2021 10:42:42 AM



#38
 Trichloroethene
 Concen: 7.834 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VL036794.D
 Acq: 12 Apr 2021 21:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	118.4	95.7	143.5
132	93.0	76.2	114.4
97	73.4	61.8	92.6





#39

1,2-Dichloropropane

Concen: 8.036 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. -0.00 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 63 Resp: 1128438

Ion Ratio Lower Upper

63 100

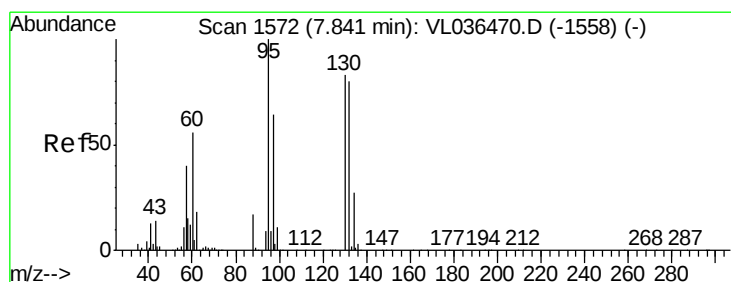
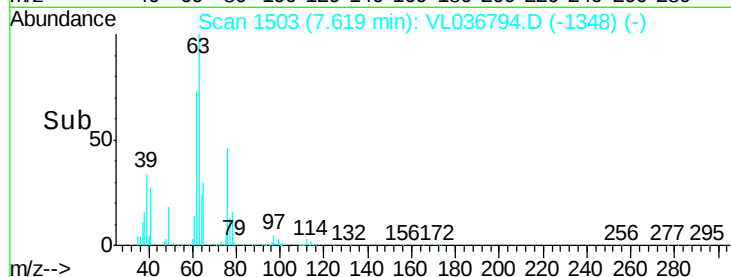
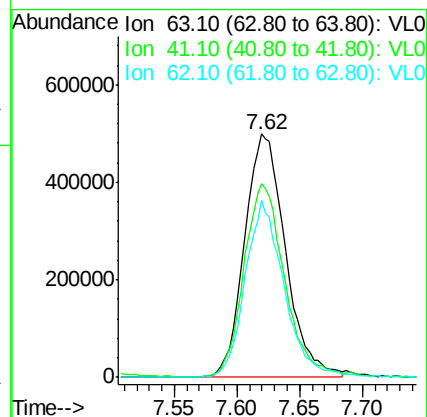
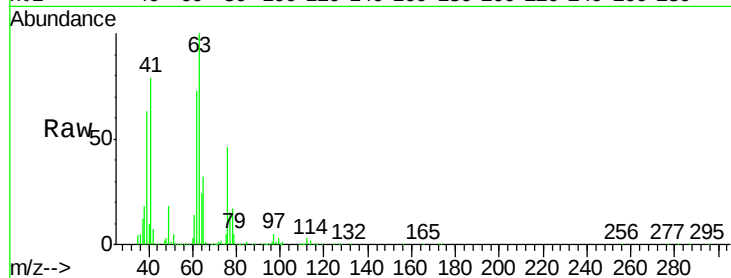
41 79.2 62.4 93.6

62 72.6 52.8 79.2

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#40

1,4-Dioxane

Concen: 7.692 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

Tgt Ion: 88 Resp: 251405

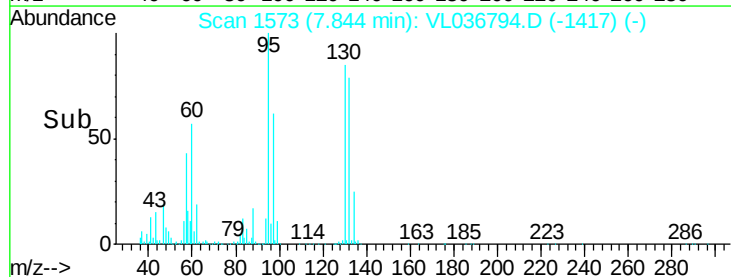
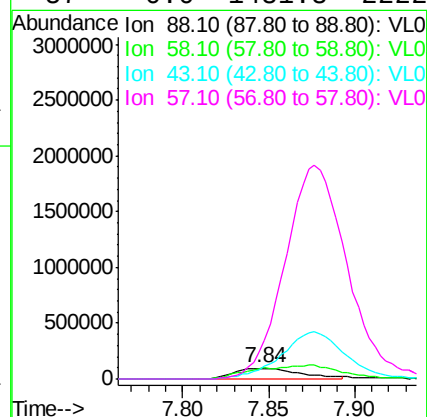
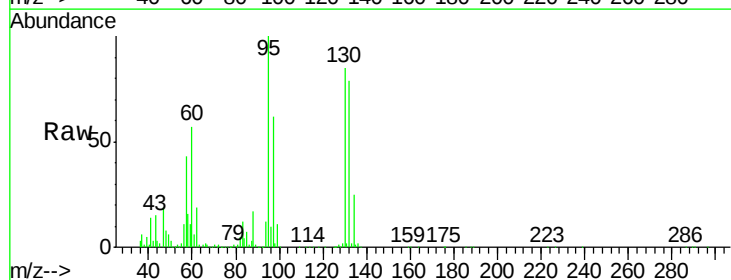
Ion Ratio Lower Upper

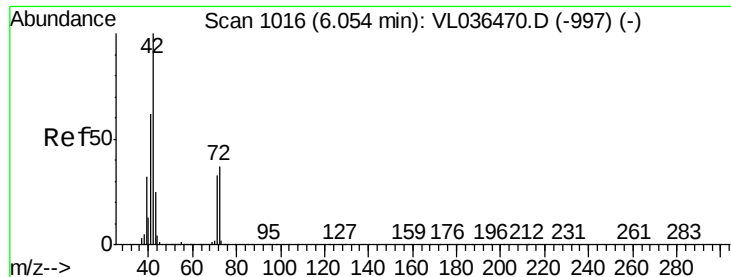
88 100

58 0.0 134.1 201.1#

43 0.0 346.6 520.0#

57 0.0 1481.8 2222.8#





#41

Tetrahydrofuran

Concen: 7.148 ppbv

RT: 6.06 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

Instrument :

MSVOA_L

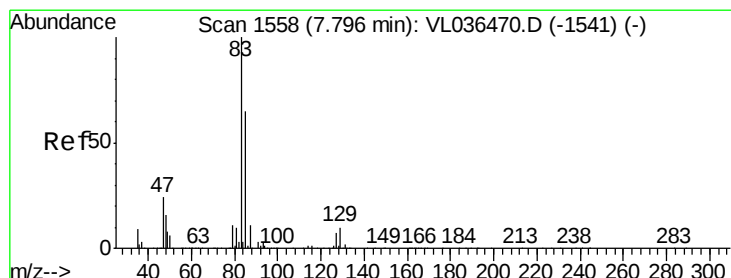
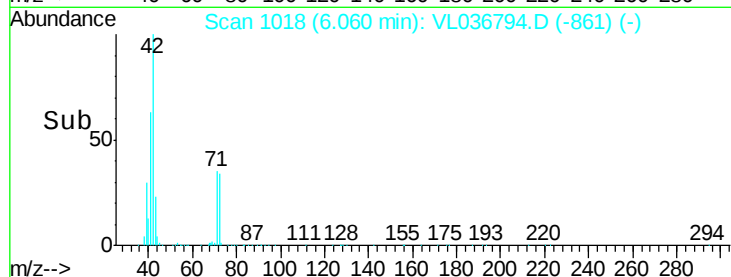
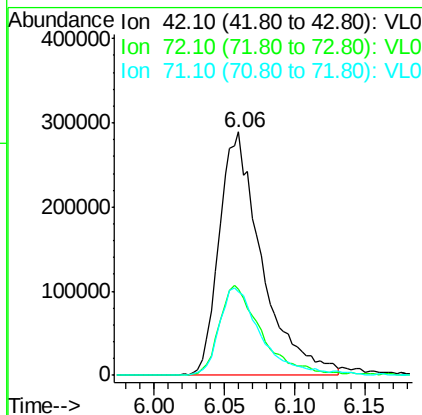
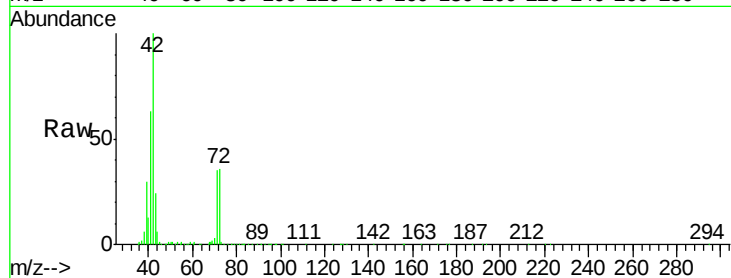
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	603833
Ion Ratio		Lower	Upper
42	100		
72	37.8	27.6	41.4
71	36.6	27.0	40.4

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#42

Bromodichloromethane

Concen: 8.500 ppbv

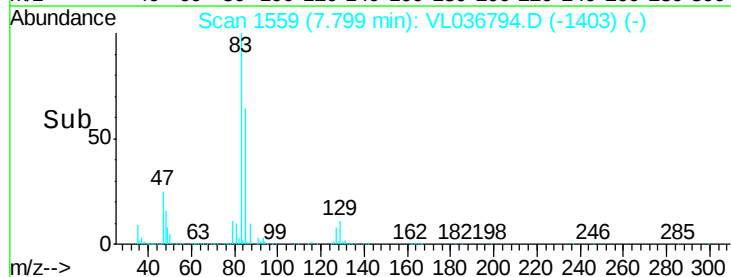
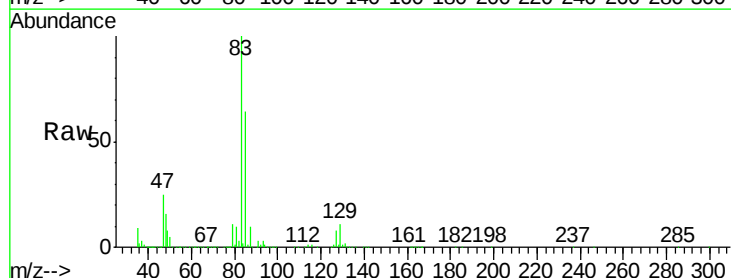
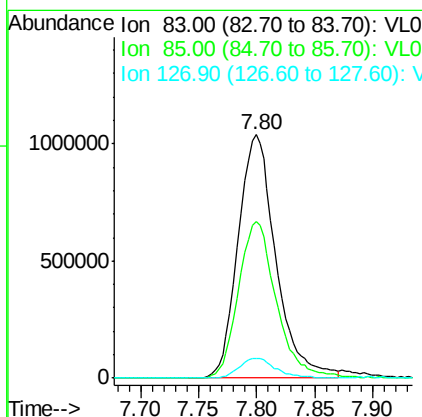
RT: 7.80 min Scan# 1559

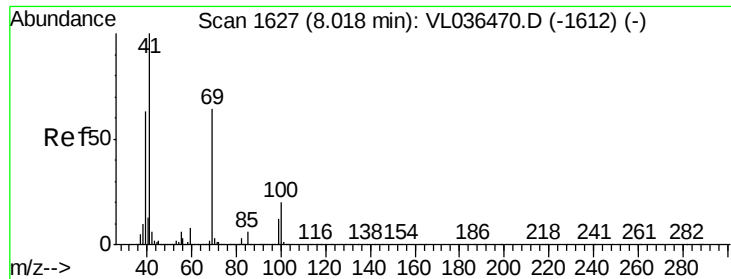
Delta R.T. 0.00 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

Tgt Ion:	83	Resp:	2355651
Ion Ratio		Lower	Upper
83	100		
85	64.1	51.8	77.6
127	8.3	5.8	8.8





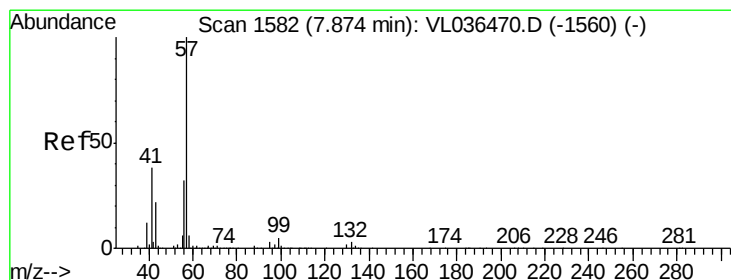
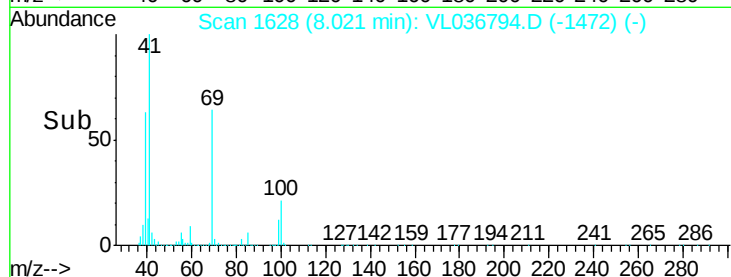
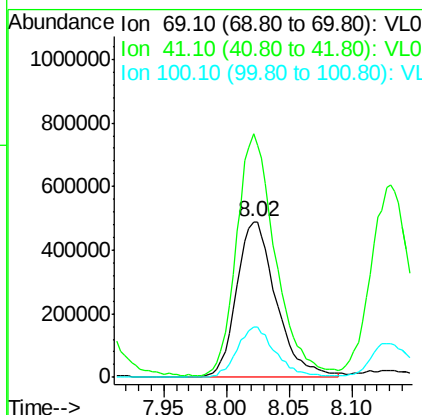
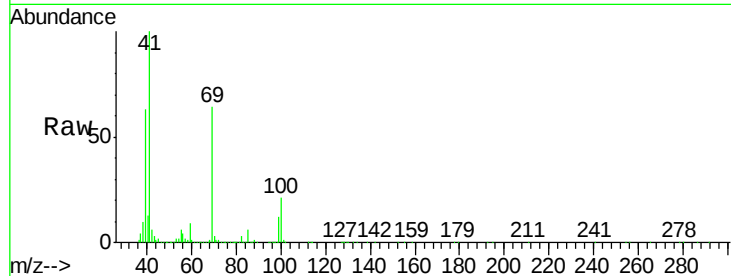
#43
Methvl Methacrylate
Concen: 9.241 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VL036794.D
Acq: 12 Apr 2021 21:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1074206
Ion Ratio Lower Upper
69 100
41 153.4 126.8 190.2
100 31.4 24.9 37.3

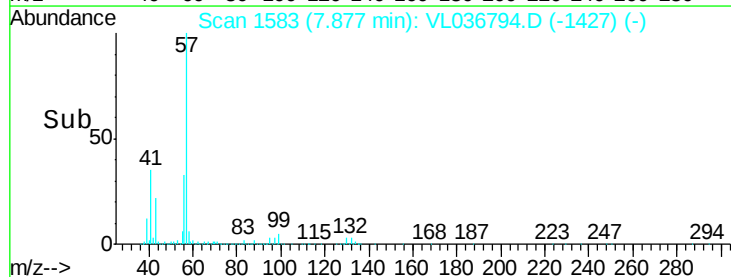
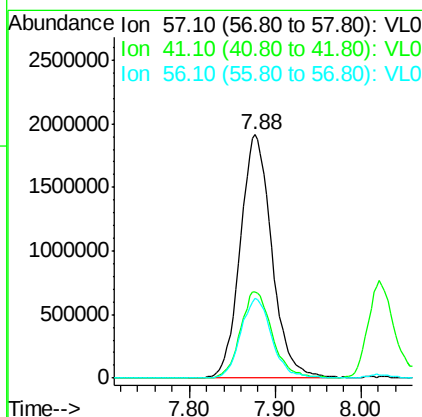
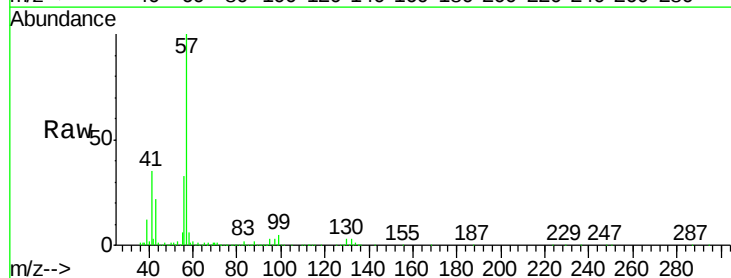
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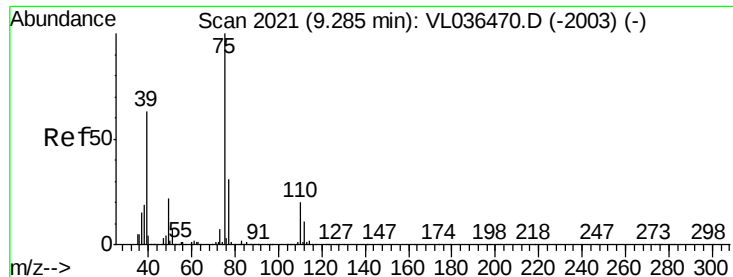
apatel
4/13/2021 10:42:42 AM



#44
2,2,4-Trimethylpentane
Concen: 8.015 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VL036794.D
Acq: 12 Apr 2021 21:19

Tgt Ion: 57 Resp: 4883400
Ion Ratio Lower Upper
57 100
41 35.5 28.8 43.2
56 32.3 26.1 39.1





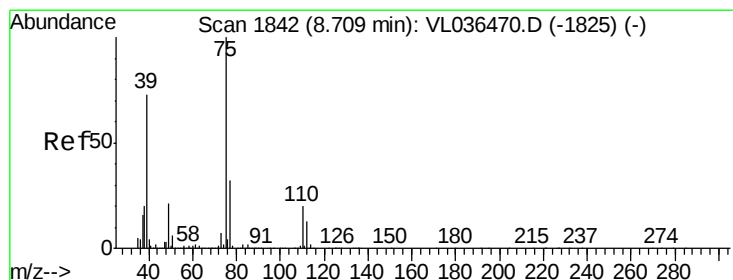
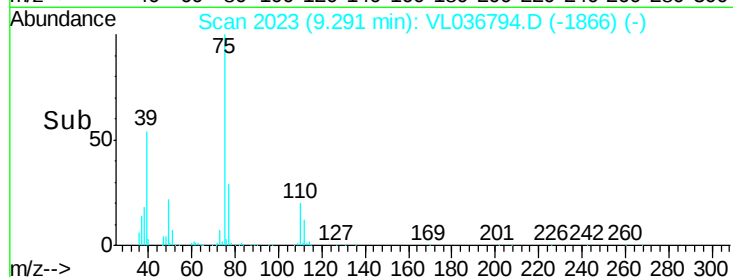
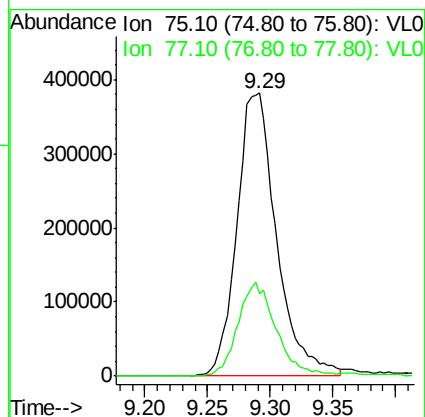
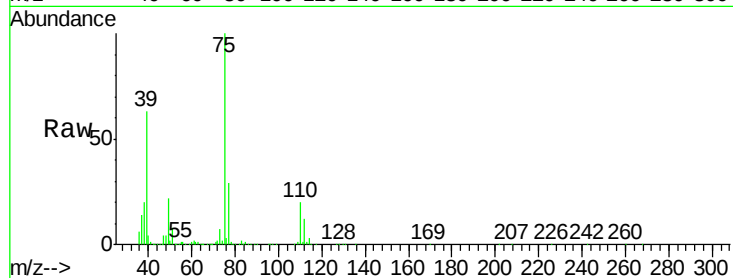
#45
t-1,3-Dichloropropene
Concen: 6.314 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. 0.01 min
Lab File: VL036794.D
Acq: 12 Apr 2021 21:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 838129
Ion Ratio Lower Upper
75 100
77 29.1 25.1 37.7

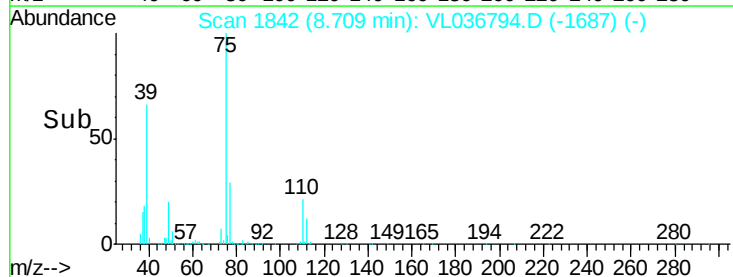
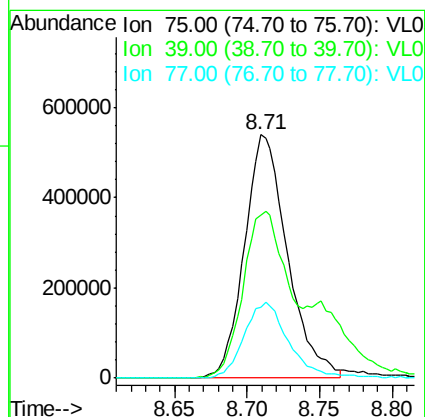
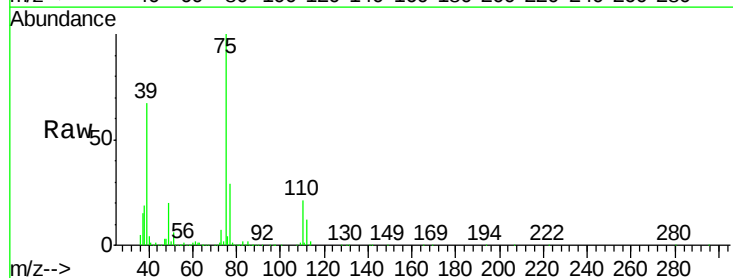
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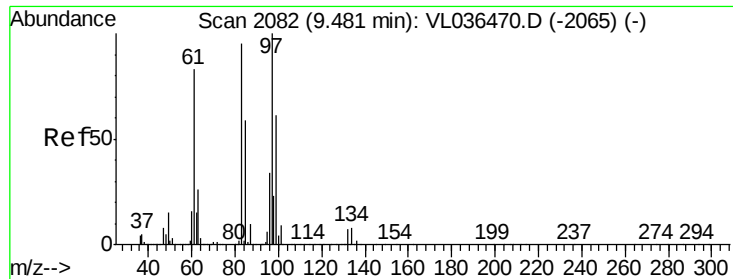
apatel
4/13/2021 10:42:42 AM



#46
cis-1,3-Dichloropropene
Concen: 6.577 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VL036794.D
Acq: 12 Apr 2021 21:19

Tgt Ion: 75 Resp: 1115992
Ion Ratio Lower Upper
75 100
39 66.8 58.2 87.2
77 29.2 25.2 37.8





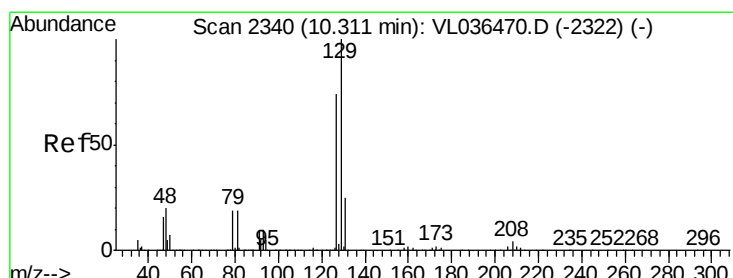
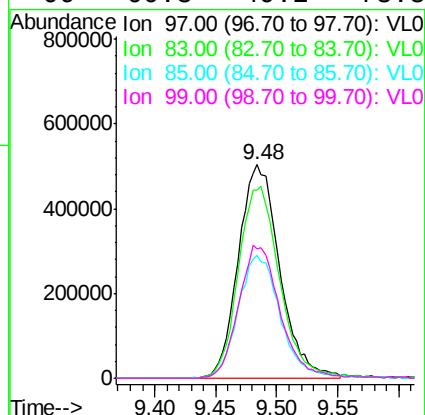
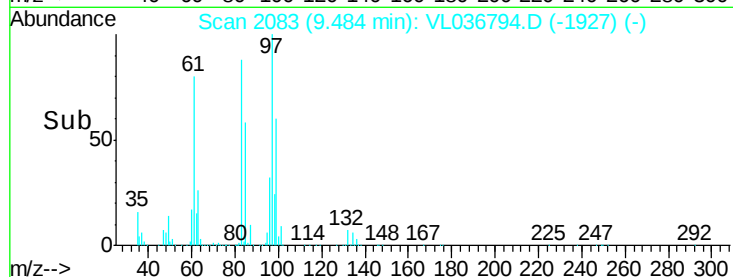
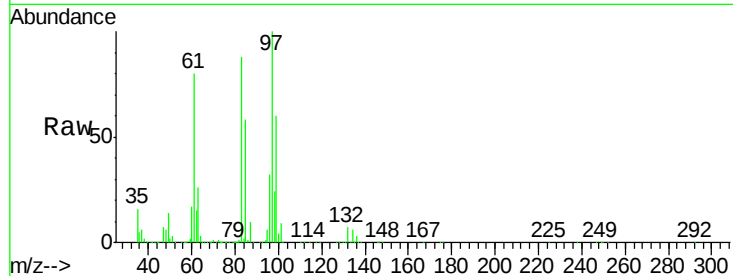
#47
 1,1,2-Trichloroethane
 Concen: 8.274 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. 0.00 min
 Lab File: VL036794.D
 Acq: 12 Apr 2021 21:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.1	75.8	113.8
85	57.7	47.1	70.7
99	60.3	49.2	73.8

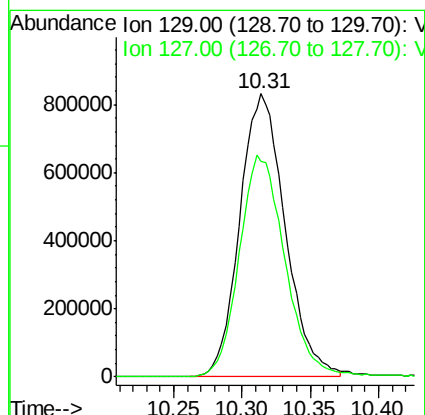
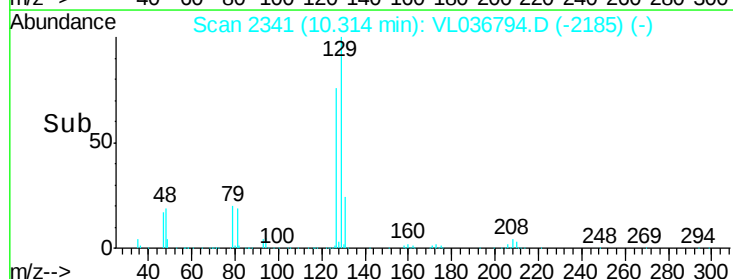
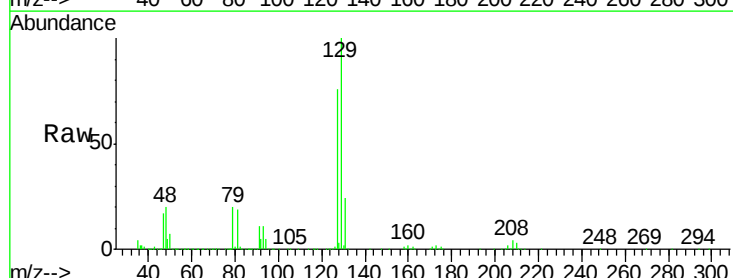
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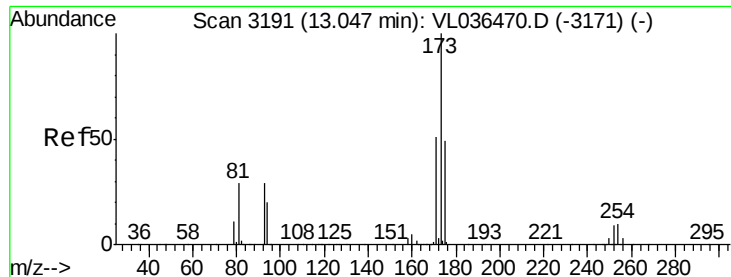
apatel
 4/13/2021 10:42:42 AM



#48
 Dibromochloromethane
 Concen: 8.846 ppbv
 RT: 10.31 min Scan# 2341
 Delta R.T. 0.00 min
 Lab File: VL036794.D
 Acq: 12 Apr 2021 21:19

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.5	39.6	118.8





#49

Bromoform

Concen: 9.131 ppbv

RT: 13.05 min Scan# 3193

Delta R.T. 0.01 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1595201

Ion Ratio Lower Upper

173 100

175 50.2 39.6 59.4

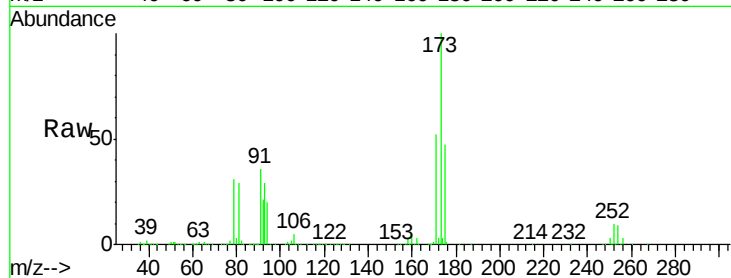
171 52.8 41.4 62.0

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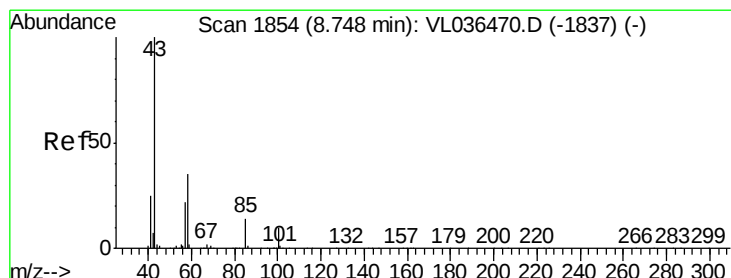
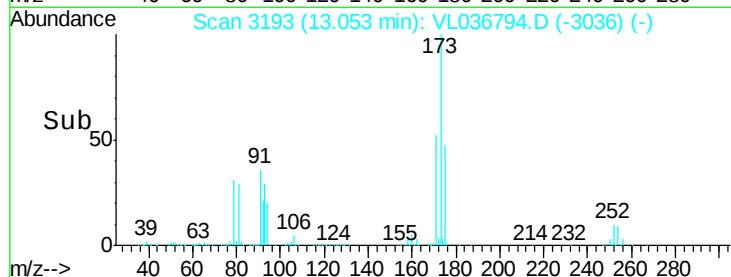
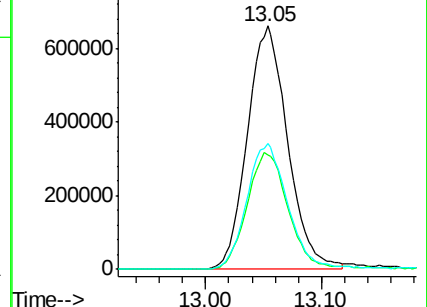
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 7.650 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VL036794.D

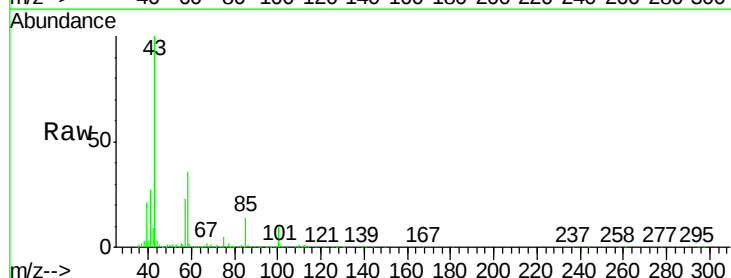
Acq: 12 Apr 2021 21:19

Tgt Ion: 43 Resp: 2028154

Ion Ratio Lower Upper

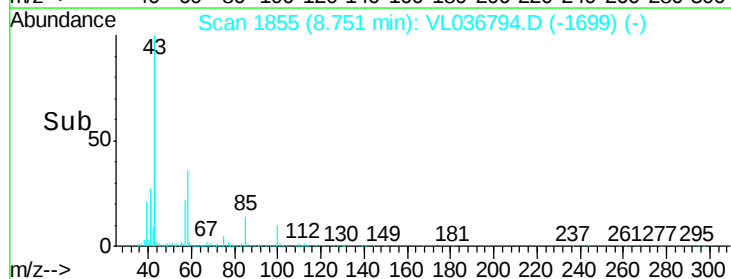
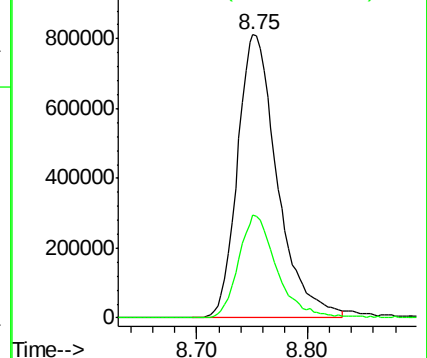
43 100

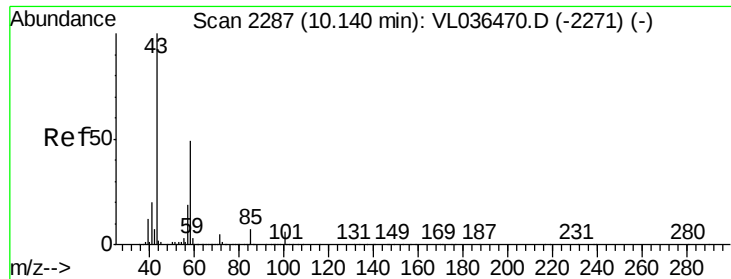
58 35.4 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 7.728 ppbv

RT: 10.15 min Scan# 2291

Delta R.T. 0.01 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1033913

Ion Ratio Lower Upper

43 100

58 48.7 37.7 56.5

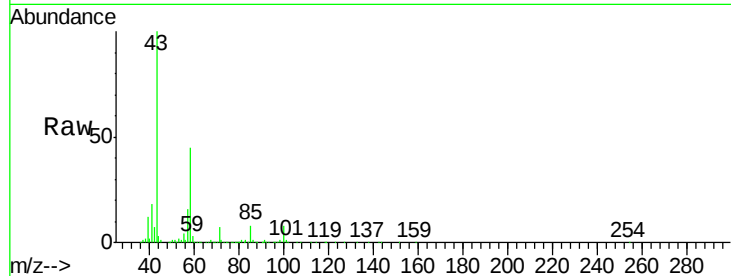
98 1.1 0.2 0.2#

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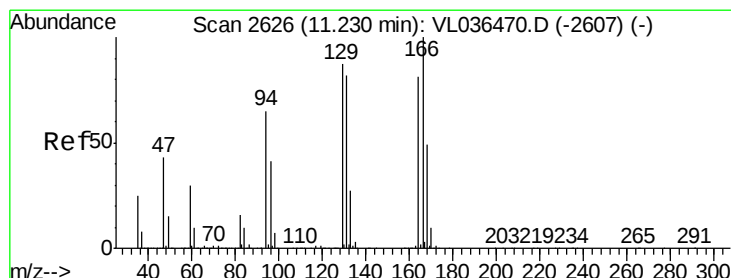
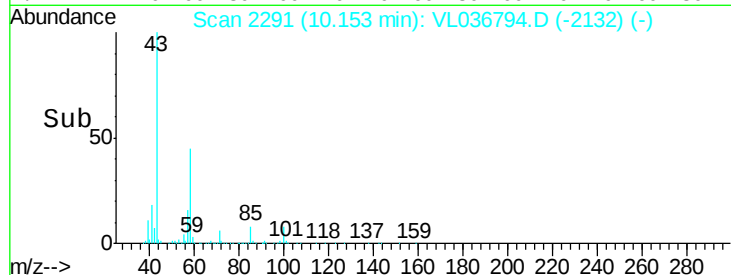
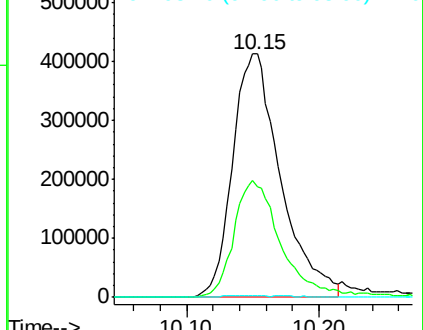
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 7.742 ppbv

RT: 11.24 min Scan# 2628

Delta R.T. 0.01 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

Tgt Ion: 164 Resp: 986877

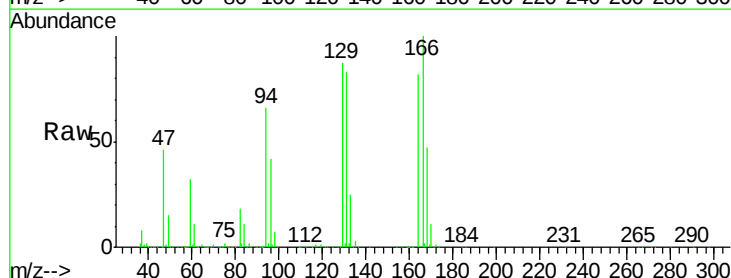
Ion Ratio Lower Upper

164 100

166 122.1 98.3 147.5

129 105.9 85.8 128.8

131 101.3 80.9 121.3

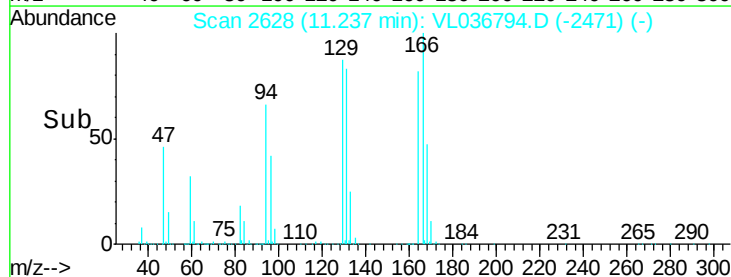
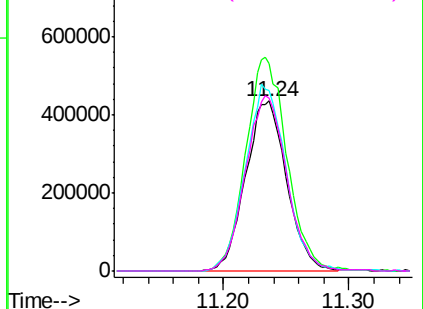


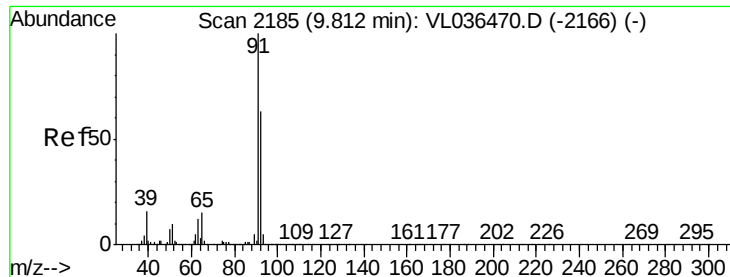
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 8.679 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3199702

Ion Ratio Lower Upper

91 100

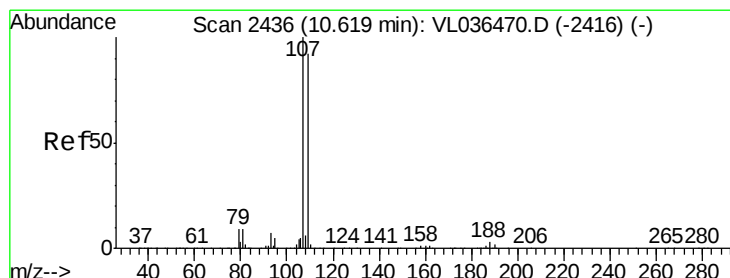
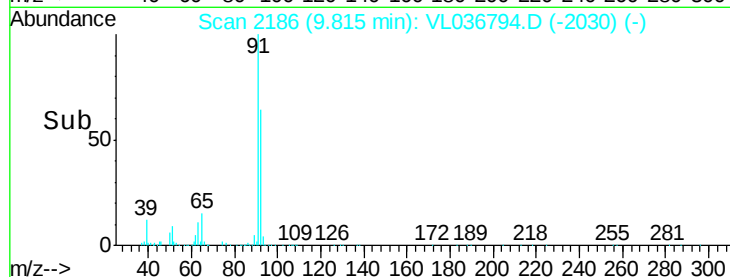
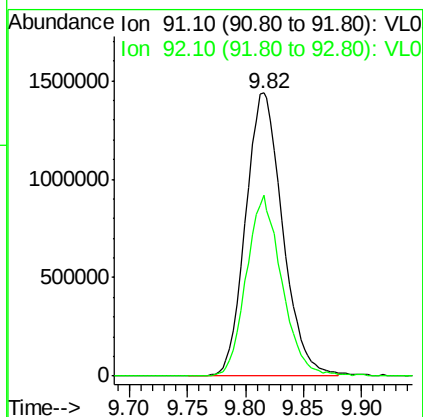
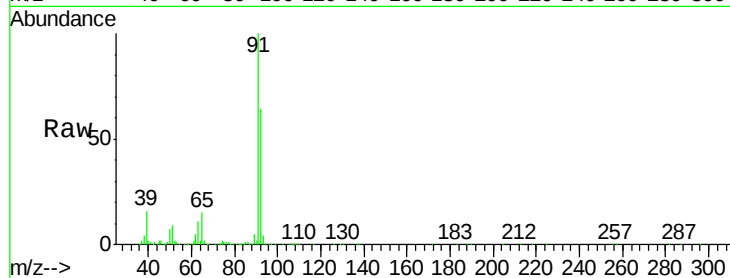
92 61.8 48.8 73.2

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#54

1,2-Dibromoethane

Concen: 8.419 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VL036794.D

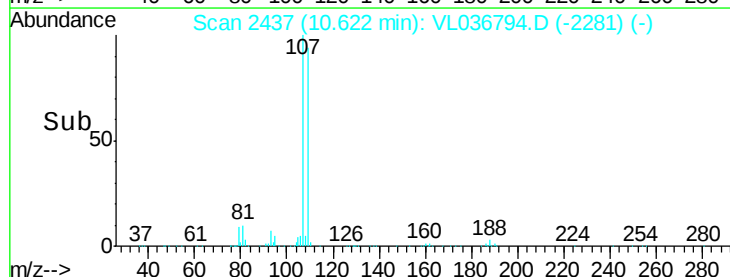
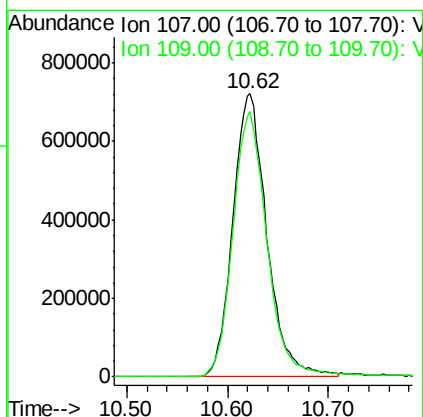
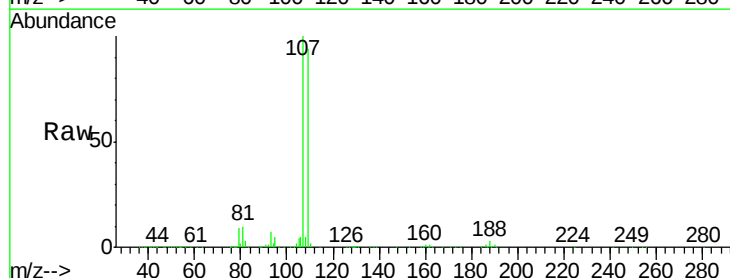
Acq: 12 Apr 2021 21:19

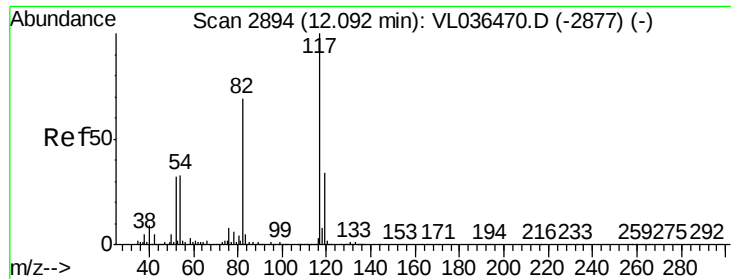
Tgt Ion: 107 Resp: 1691184

Ion Ratio Lower Upper

107 100

109 93.8 73.9 110.9





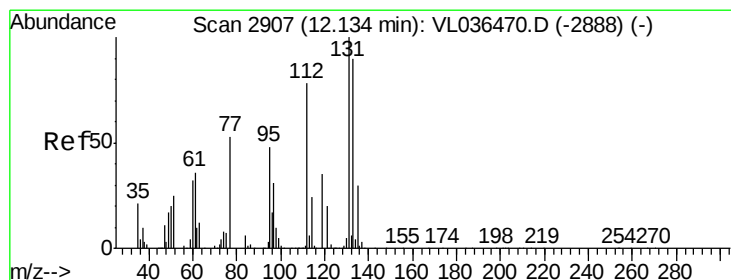
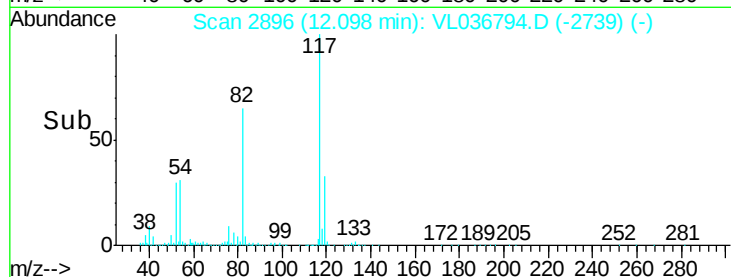
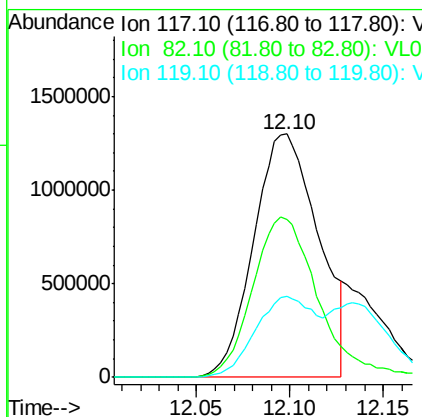
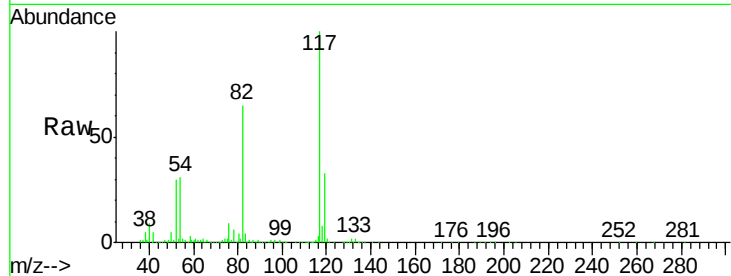
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2896
Delta R.T. 0.01 min
Lab File: VL036794.D
Acq: 12 Apr 2021 21:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 3134979
Ion Ratio Lower Upper
117 100
82 67.8 57.4 86.0
119 30.9 47.4 71.0#

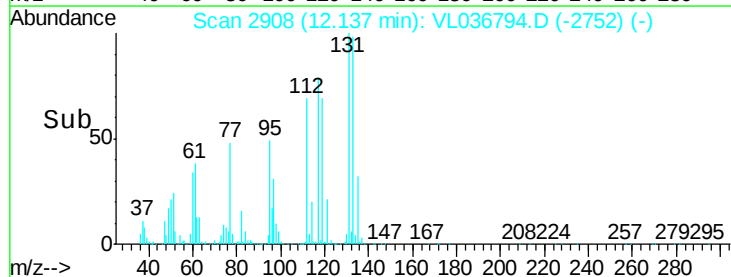
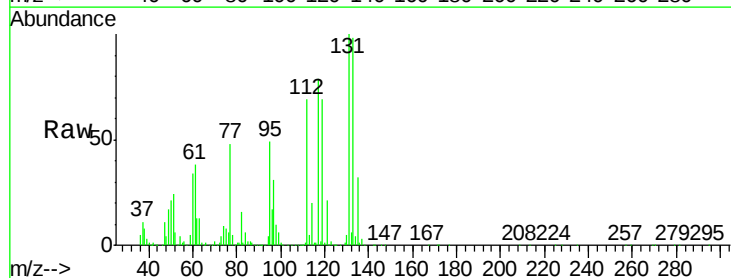
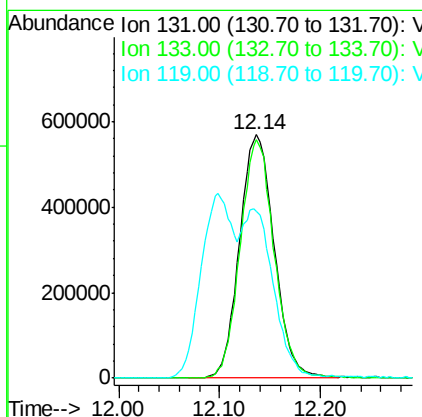
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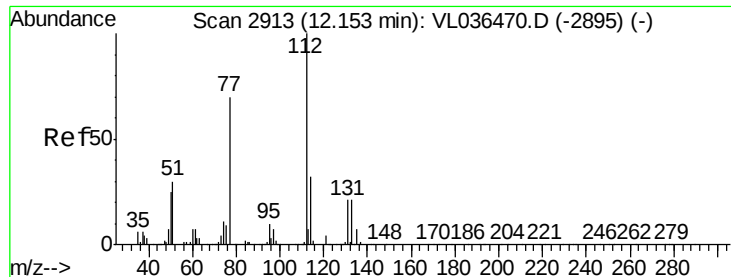
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.554 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL036794.D
Acq: 12 Apr 2021 21:19

Tgt Ion:131 Resp: 1354693
Ion Ratio Lower Upper
131 100
133 96.4 75.8 113.6
119 58.4 48.7 73.1





#57

Chlorobenzene

Concen: 9.095 ppbv

RT: 12.16 min Scan# 2915

Delta R.T. 0.01 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 112 Resp: 2425988

Ion Ratio Lower Upper

112 100

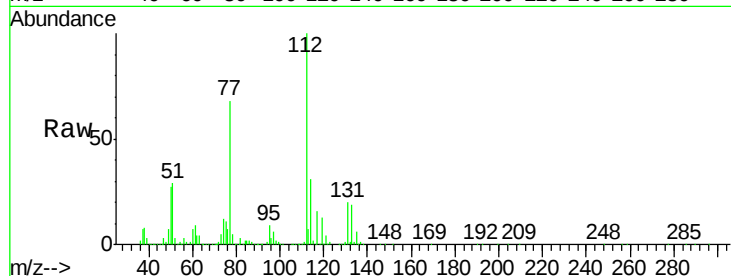
77 67.3 56.0 84.0

114 31.1 29.0 35.4

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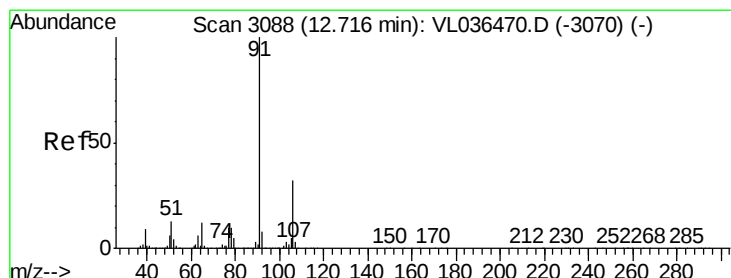
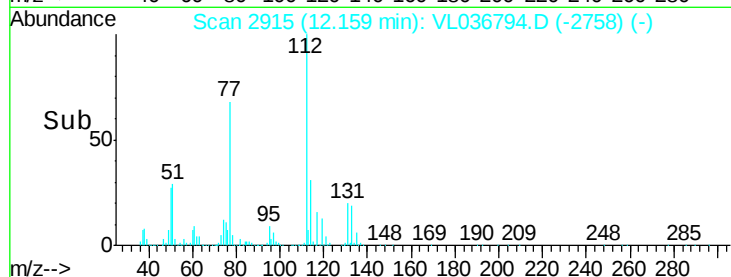
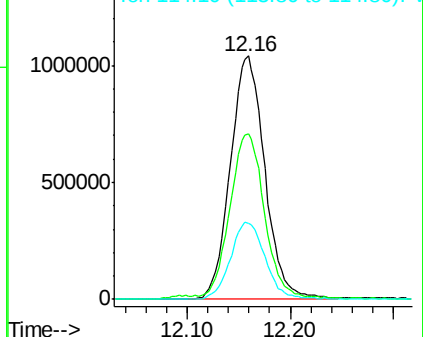
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.533 ppbv

RT: 12.72 min Scan# 3090

Delta R.T. 0.01 min

Lab File: VL036794.D

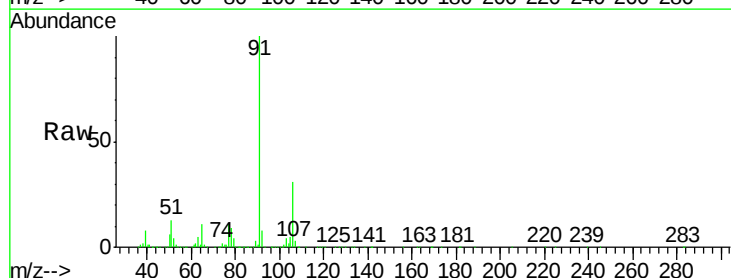
Acq: 12 Apr 2021 21:19

Tgt Ion: 91 Resp: 4347713

Ion Ratio Lower Upper

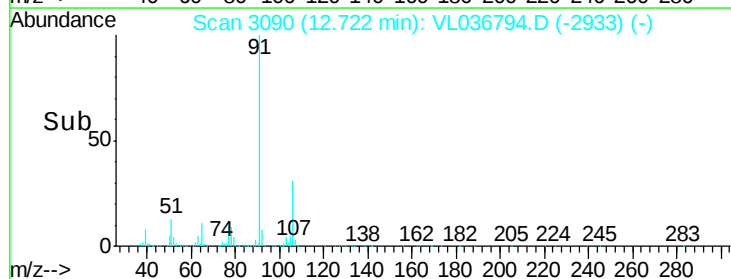
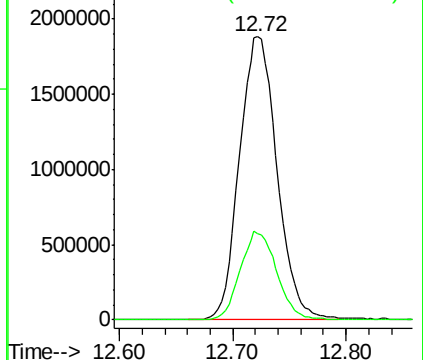
91 100

106 30.5 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





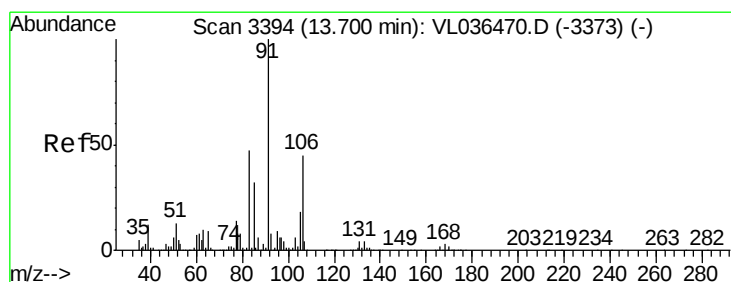
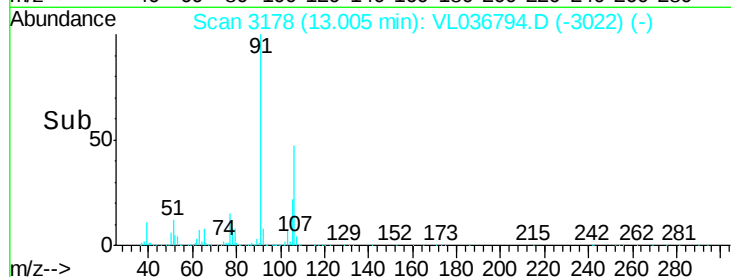
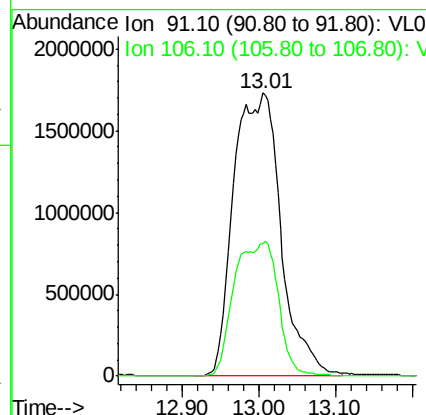
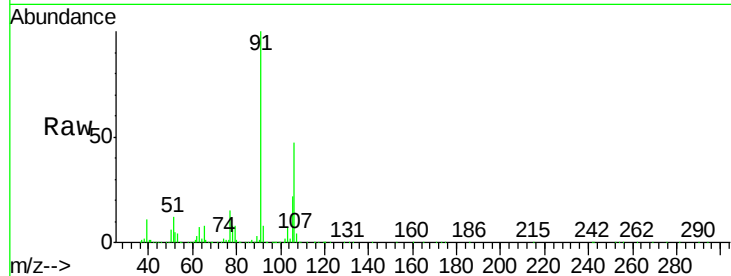
#59
m/p-Xylene
Concen: 18.528 ppbv m
RT: 13.01 min Scan# 3178
Delta R.T. 0.00 min
Lab File: VL036794.D
Acq: 12 Apr 2021 21:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 7370827
Ion Ratio Lower Upper
91 100
106 44.4 35.3 52.9

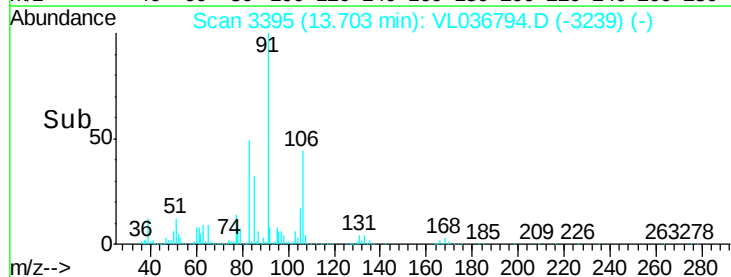
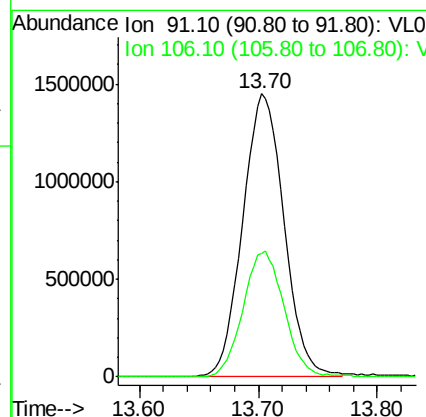
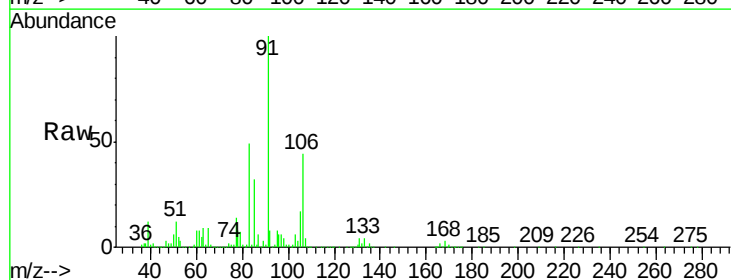
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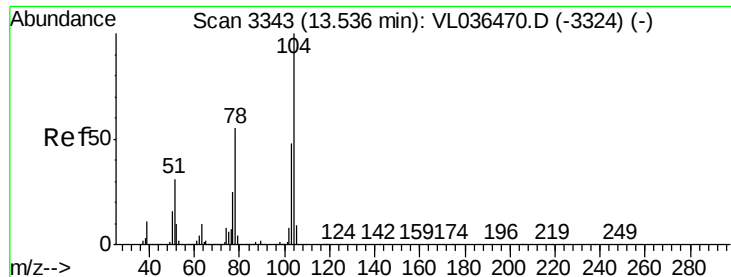
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#60
o-Xylene
Concen: 9.018 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. 0.00 min
Lab File: VL036794.D
Acq: 12 Apr 2021 21:19

Tgt Ion: 91 Resp: 3468940
Ion Ratio Lower Upper
91 100
106 44.6 22.3 66.9





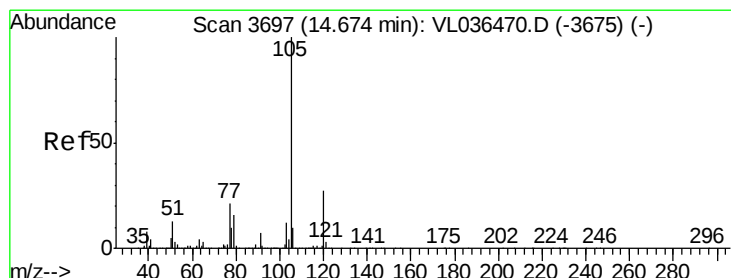
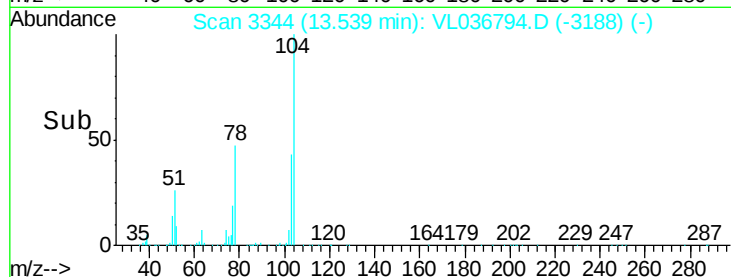
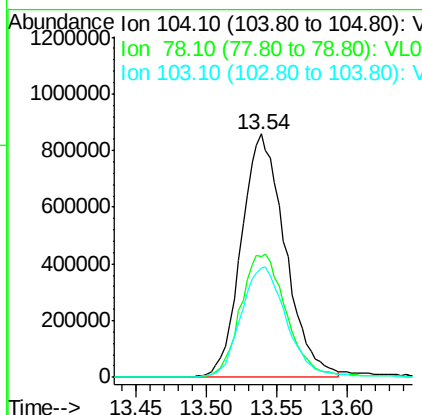
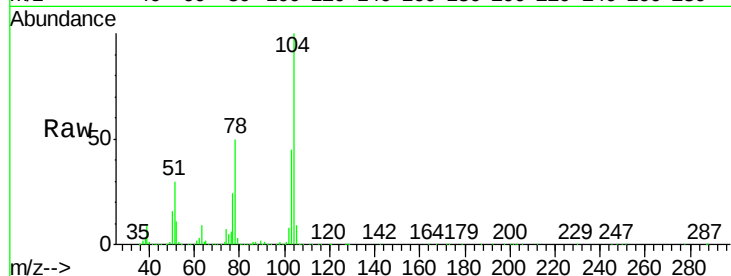
#61
Stvrene
Concen: 9.636 ppbv
RT: 13.54 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VL036794.D
Acq: 12 Apr 2021 21:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.9	43.8	65.8
103	47.5	38.3	57.5

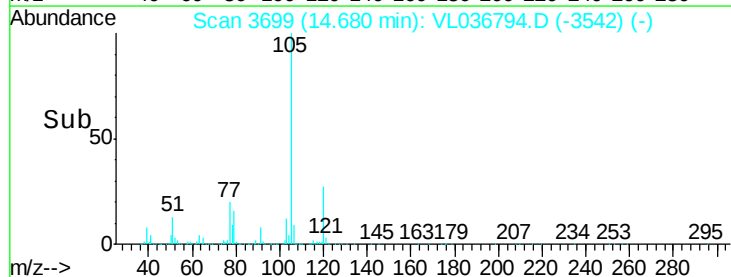
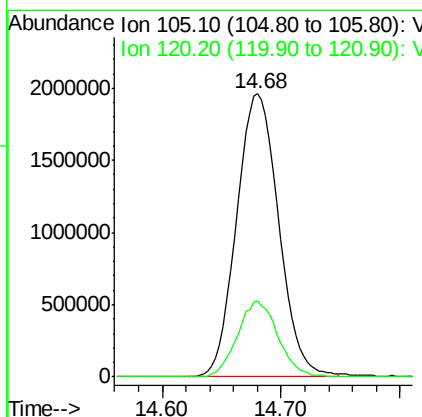
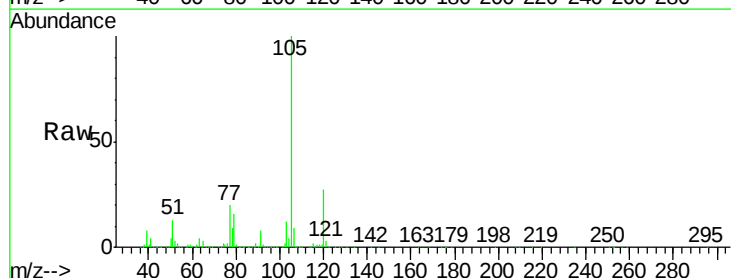
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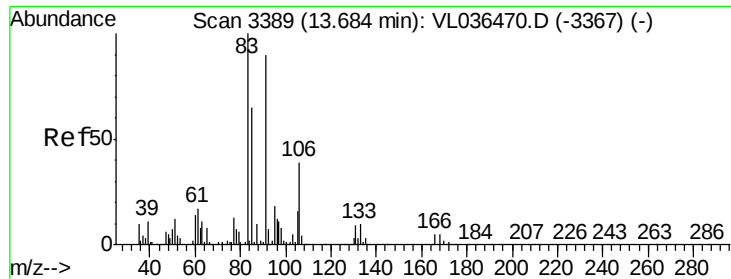
apatel
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#62
Isopropylbenzene
Concen: 9.257 ppbv
RT: 14.68 min Scan# 3699
Delta R.T. 0.01 min
Lab File: VL036794.D
Acq: 12 Apr 2021 21:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.6	31.0





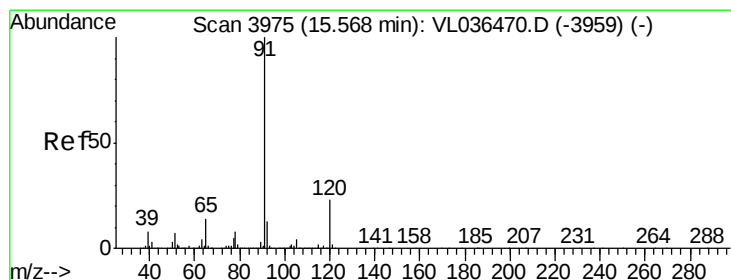
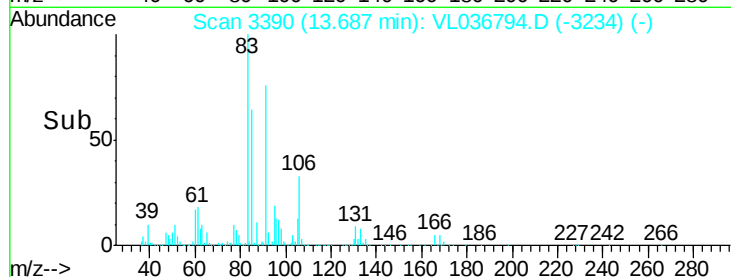
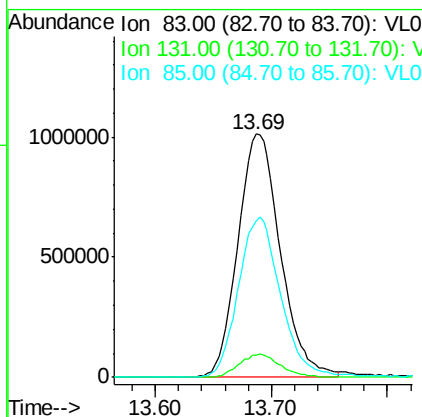
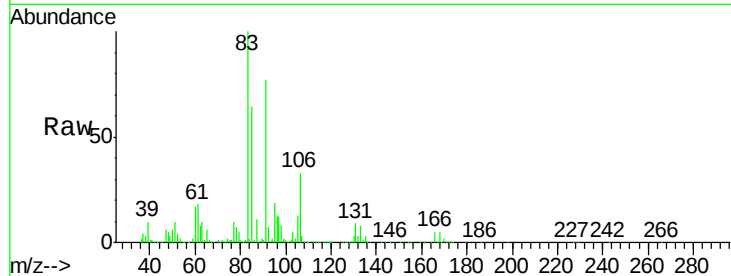
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.772 ppbv
 RT: 13.69 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VL036794.D
 Acq: 12 Apr 2021 21:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	83	Resp	2573778
Ion Ratio	100	Lower	Upper
83	100		
131	9.4	4.7	14.0
85	66.7	33.1	99.3

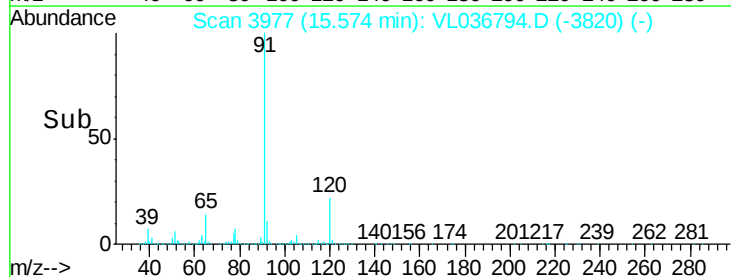
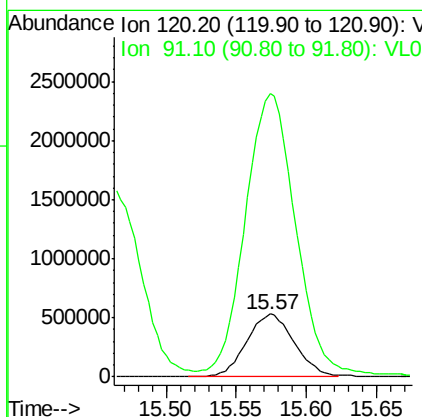
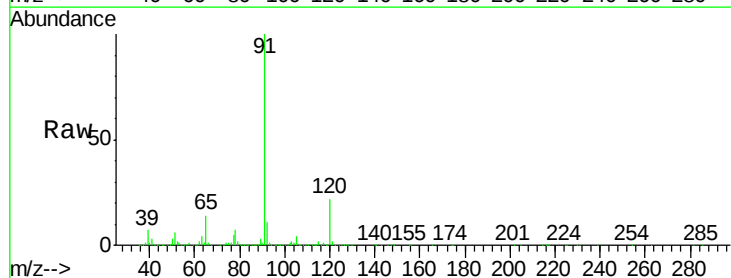
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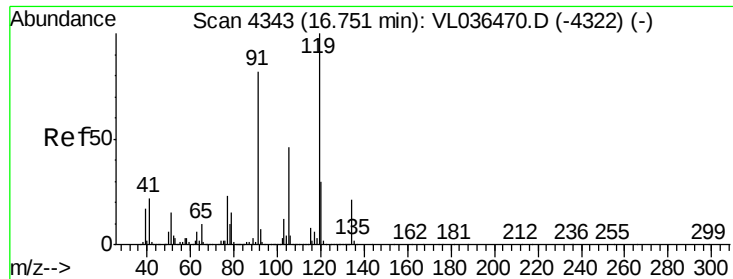
apatel
 4/13/2021 10:42:42 AM



#64
 n-propylbenzene
 Concen: 9.892 ppbv
 RT: 15.57 min Scan# 3977
 Delta R.T. 0.01 min
 Lab File: VL036794.D
 Acq: 12 Apr 2021 21:19

Tgt Ion	120	Resp	1252793
Ion Ratio	100	Lower	Upper
120	100		
91	483.1	377.4	566.2





#65

tert-Butylbenzene

Concen: 9.304 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.01 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 4179129

Ion Ratio Lower Upper

119 100

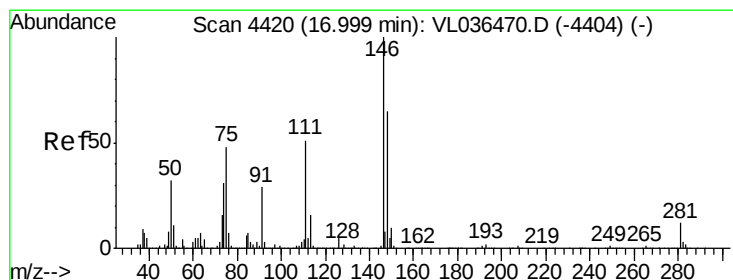
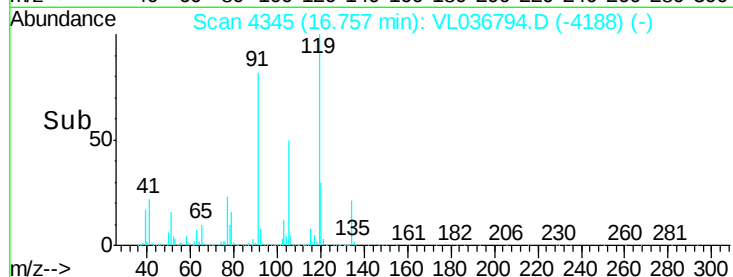
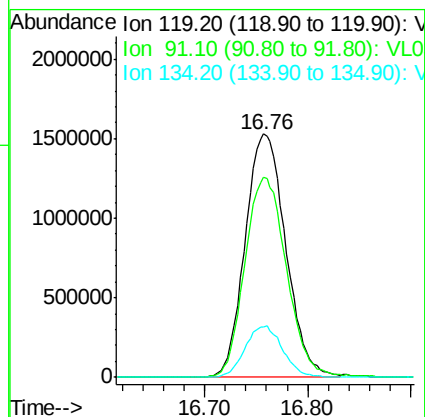
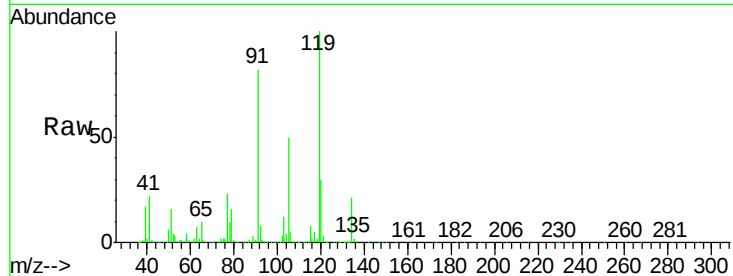
91 84.7 67.5 101.3

134 19.8 15.8 23.8

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#66

Benzyl Chloride

Concen: 5.942 ppbv m

RT: 17.00 min Scan# 4422

Delta R.T. 0.01 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

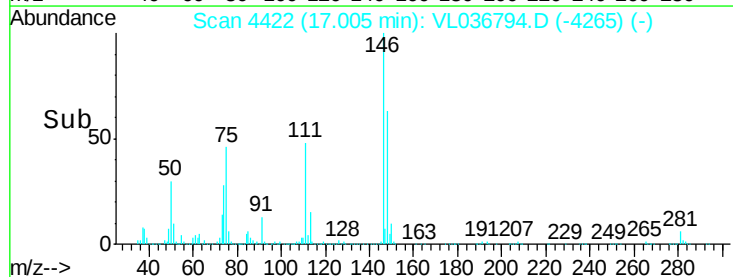
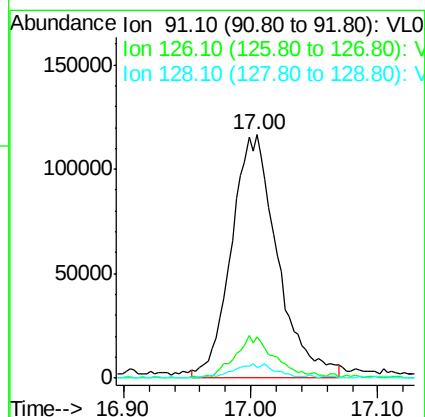
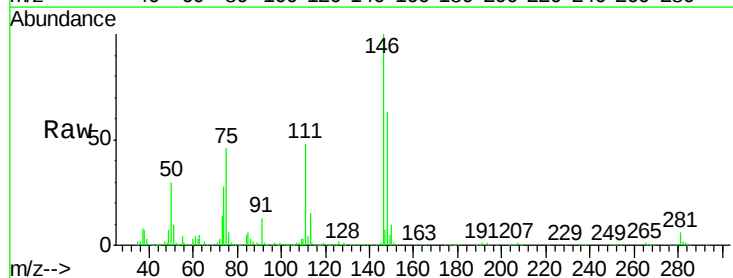
Tgt Ion: 91 Resp: 295014

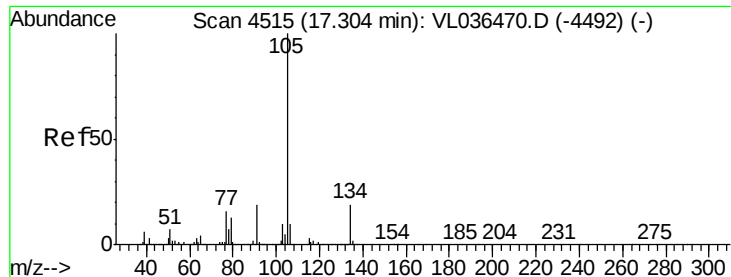
Ion Ratio Lower Upper

91 100

126 16.3 13.5 20.3

128 6.1 4.2 6.4





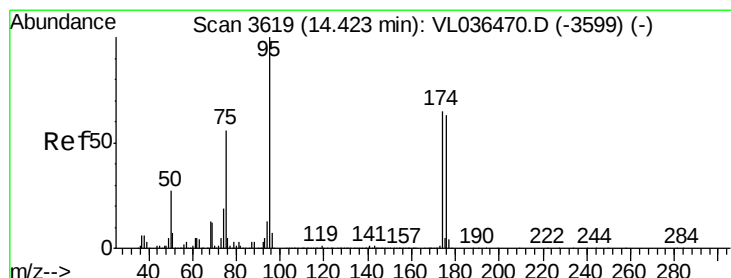
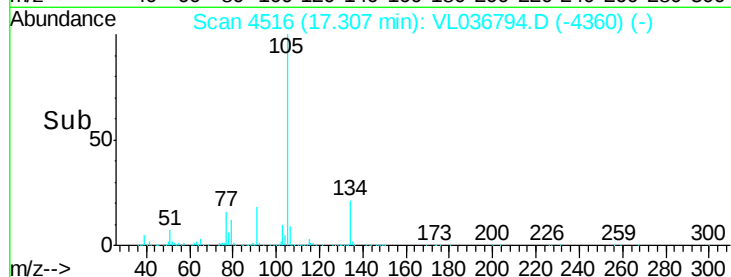
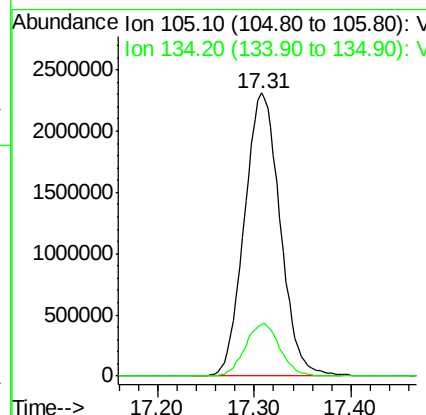
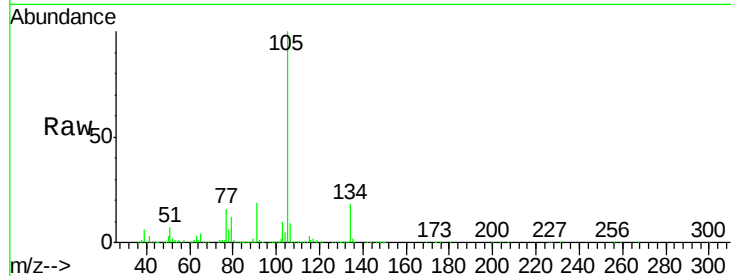
#67
 sec-Butylbenzene
 Concen: 9.341 ppbv
 RT: 17.31 min Scan# 4516
 Delta R.T. 0.00 min
 Lab File: VL036794.D
 Acq: 12 Apr 2021 21:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 105 Resp: 5922578
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.7 22.1

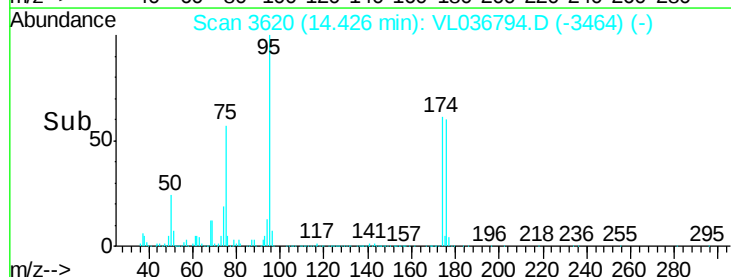
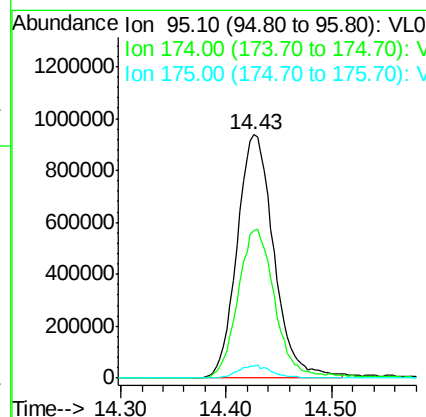
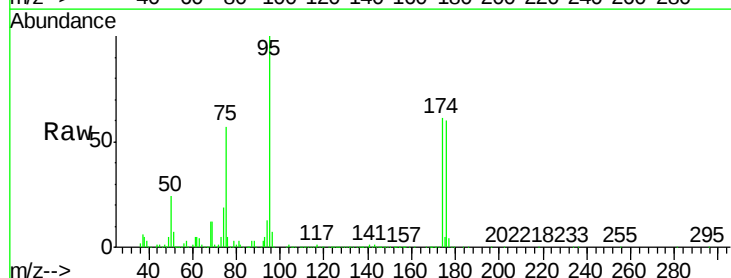
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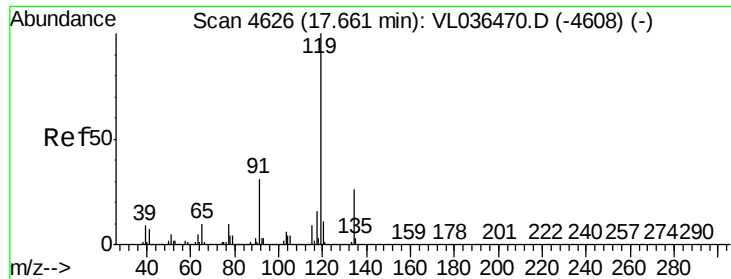
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.084 ppbv
 RT: 14.43 min Scan# 3620
 Delta R.T. 0.00 min
 Lab File: VL036794.D
 Acq: 12 Apr 2021 21:19

Tgt Ion: 95 Resp: 2269699
 Ion Ratio Lower Upper
 95 100
 174 62.7 51.0 76.6
 175 4.8 3.9 5.9





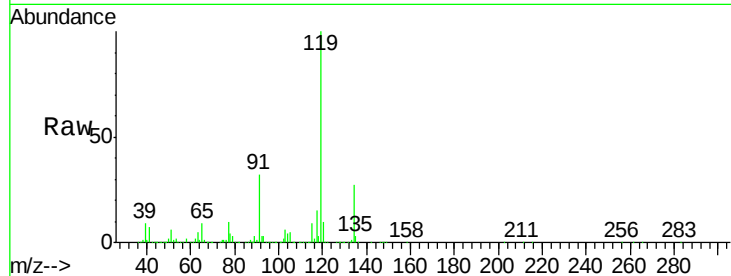
#69
 p-Isopropyltoluene
 Concen: 9.825 ppbv
 RT: 17.67 min Scan# 4628
 Delta R.T. 0.01 min
 Lab File: VL036794.D
 Acq: 12 Apr 2021 21:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

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

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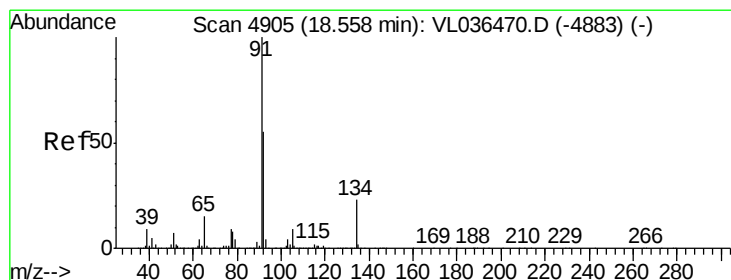
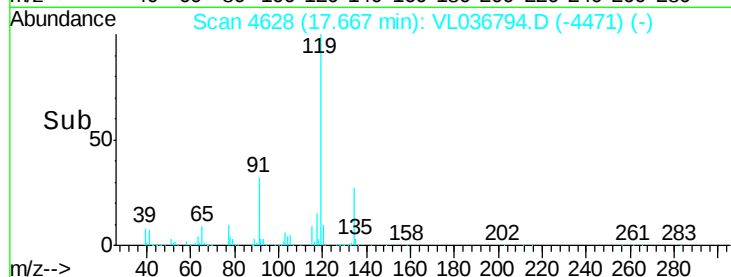
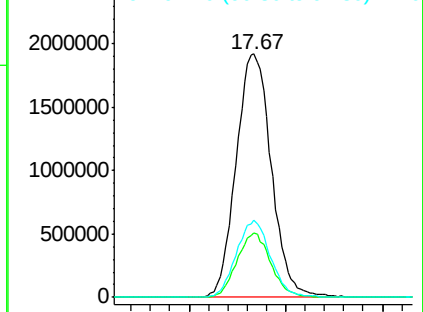


Abundance

Ion 119.10 (118.80 to 119.80): V

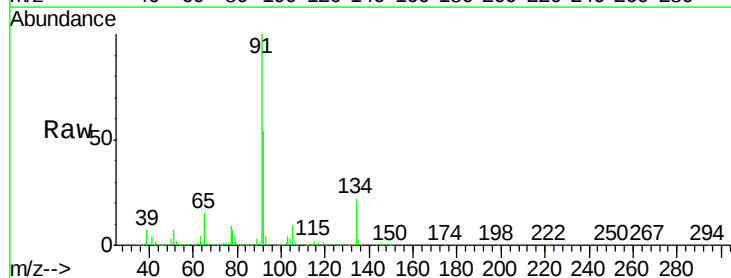
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
 n-Butylbenzene
 Concen: 9.782 ppbv
 RT: 18.56 min Scan# 4907
 Delta R.T. 0.01 min
 Lab File: VL036794.D
 Acq: 12 Apr 2021 21:19

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.9	43.8	65.8
134	22.4	18.0	27.0

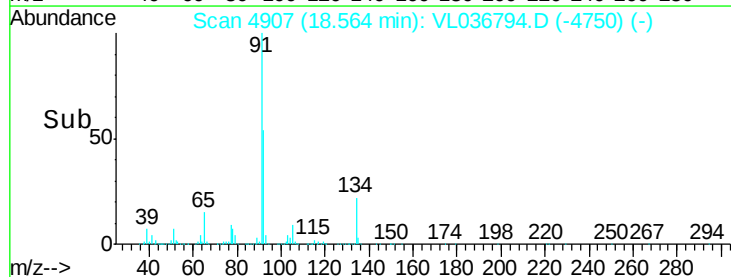
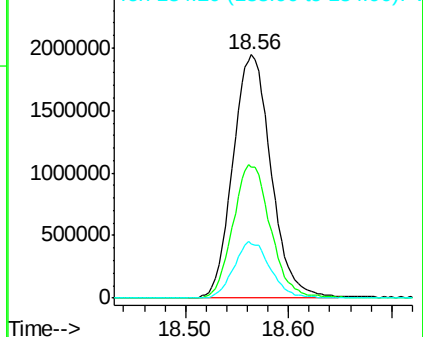


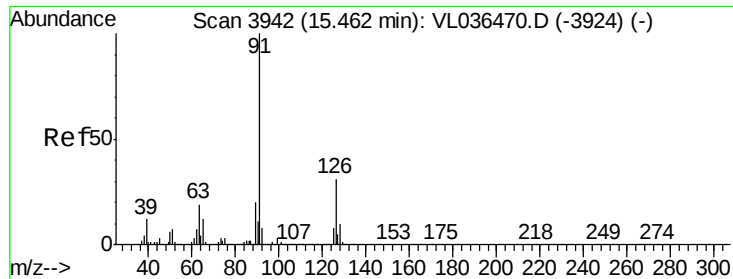
Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.576 ppbv

RT: 15.46 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3717001

Ion Ratio Lower Upper

91 100

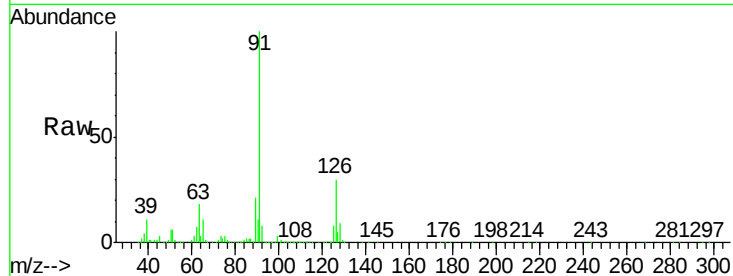
126 30.8 12.1 48.5

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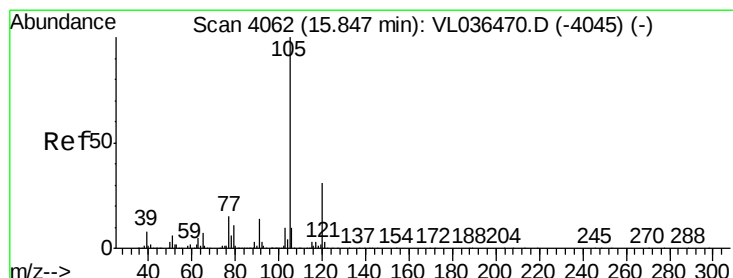
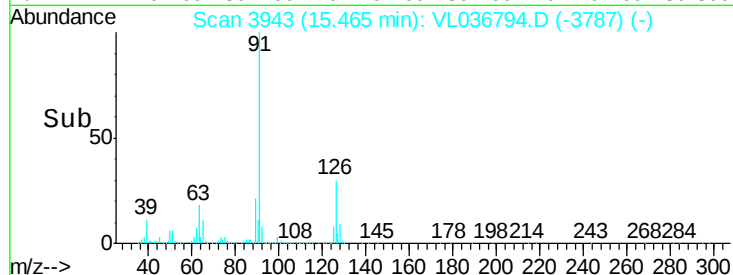
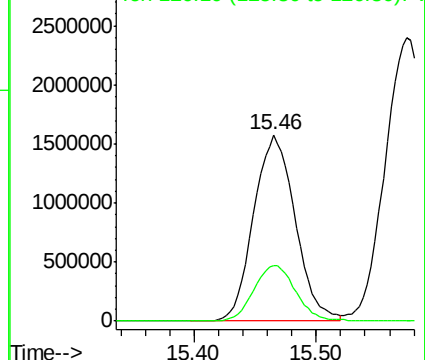
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.719 ppbv

RT: 15.85 min Scan# 4063

Delta R.T. 0.00 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

Tgt Ion: 105 Resp: 4096349

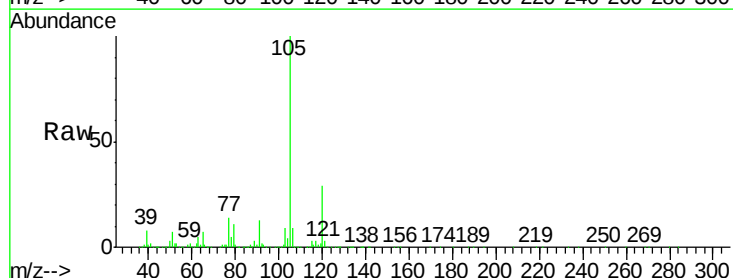
Ion Ratio Lower Upper

105 100

120 30.0 24.0 36.0

91 13.6 11.0 16.4

77 14.6 11.7 17.5

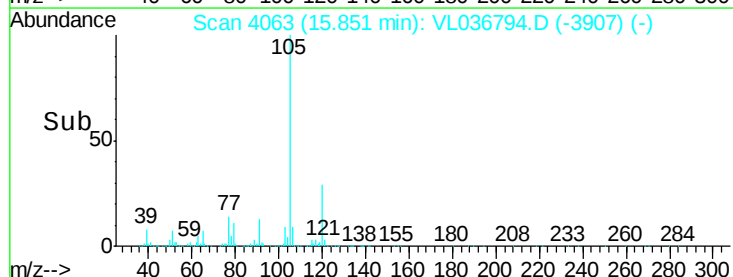
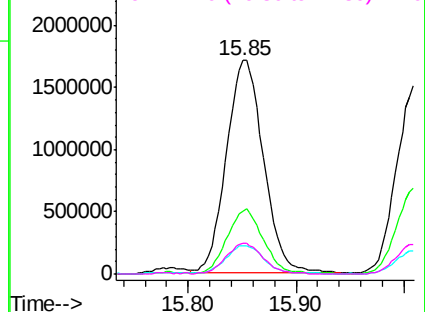


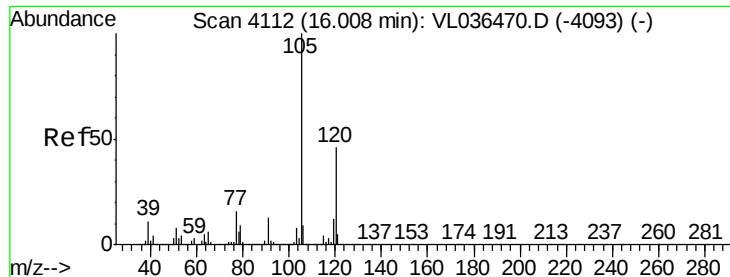
Abundance Ion 105.10 (104.80 to 105.80): V

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





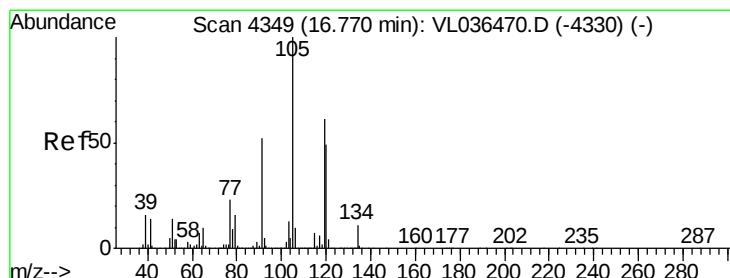
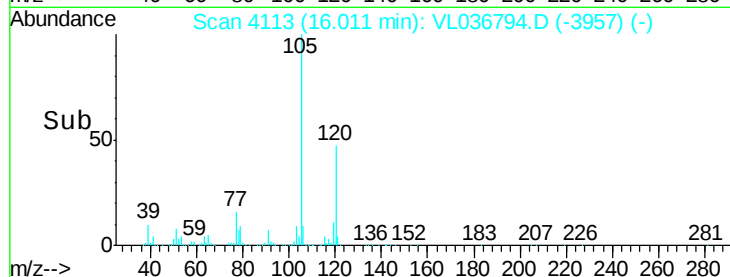
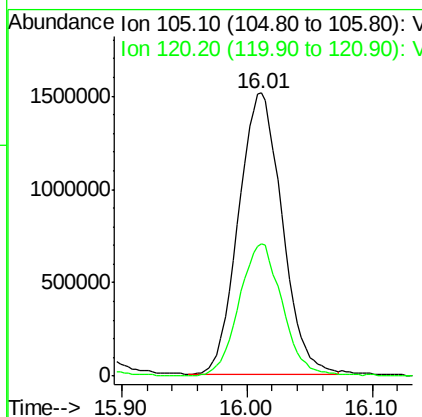
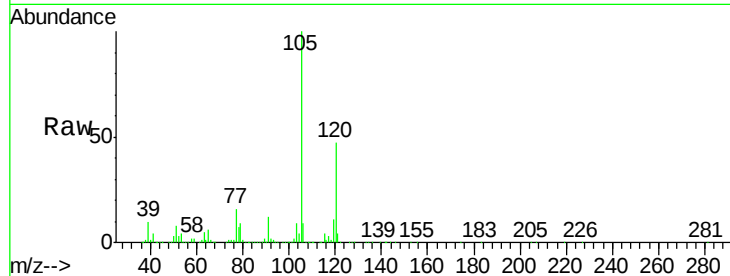
#73
 1,3,5-Trimethylbenzene
 Concen: 9.261 ppbv
 RT: 16.01 min Scan# 4113
 Delta R.T. 0.00 min
 Lab File: VL036794.D
 Acq: 12 Apr 2021 21:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 3643014
 Ion Ratio Lower Upper
 105 100
 120 47.0 36.6 54.8

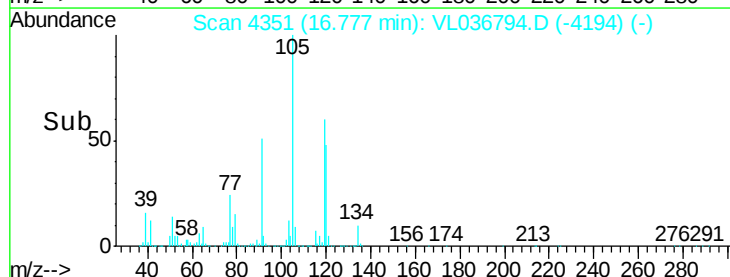
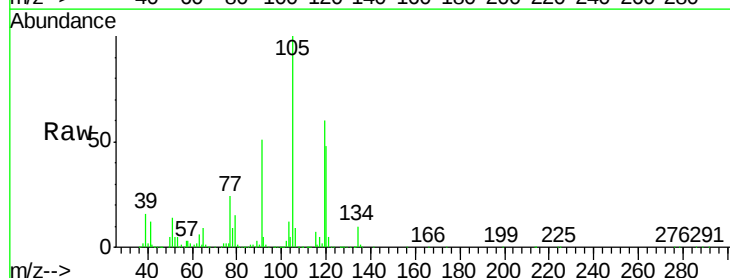
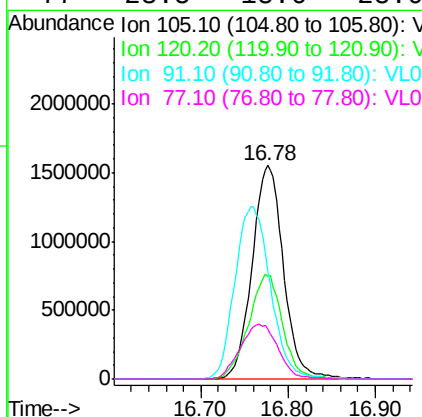
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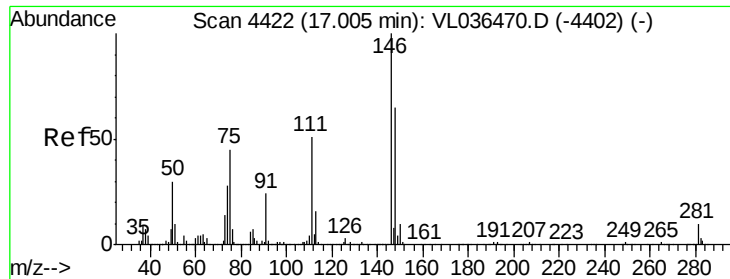
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.136 ppbv m
 RT: 16.78 min Scan# 4351
 Delta R.T. 0.01 min
 Lab File: VL036794.D
 Acq: 12 Apr 2021 21:19

Tgt Ion:105 Resp: 3846060
 Ion Ratio Lower Upper
 105 100
 120 48.2 39.2 58.8
 91 50.6 42.6 64.0
 77 23.5 18.6 28.0





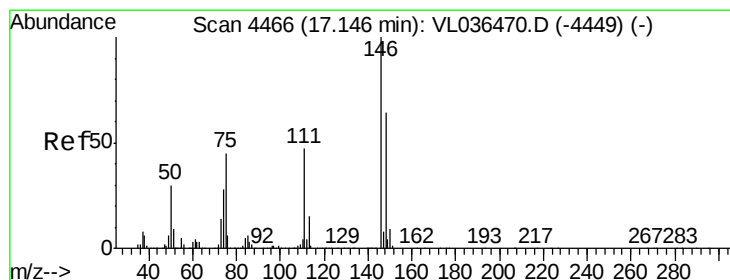
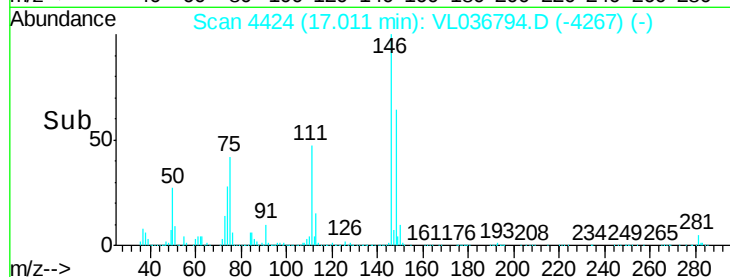
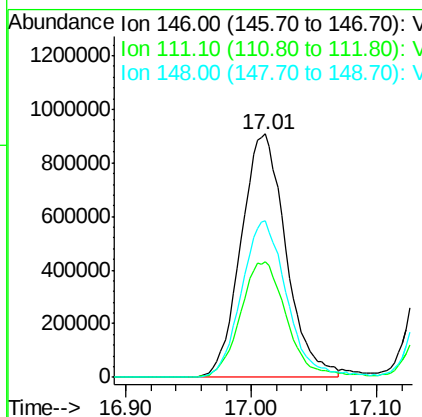
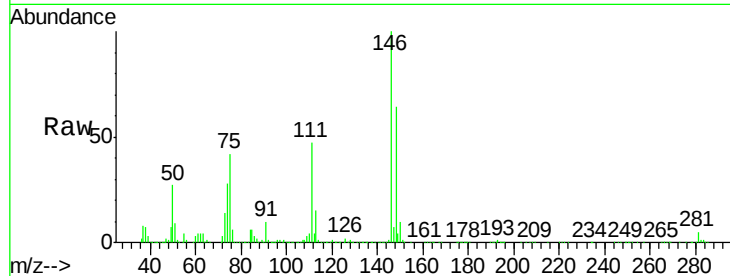
#75
 1,3-Dichlorobenzene
 Concen: 9.535 ppbv
 RT: 17.01 min Scan# 4424
 Delta R.T. 0.01 min
 Lab File: VL036794.D
 Acq: 12 Apr 2021 21:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.9	24.5	73.5
148	65.0	32.3	96.9

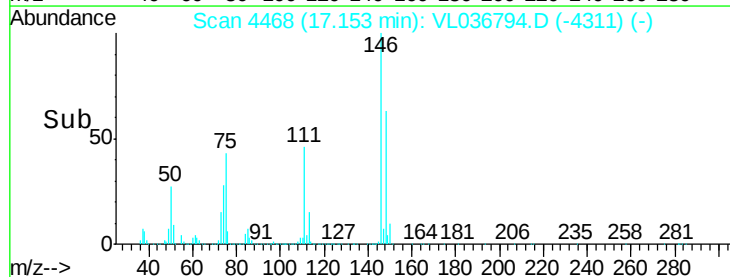
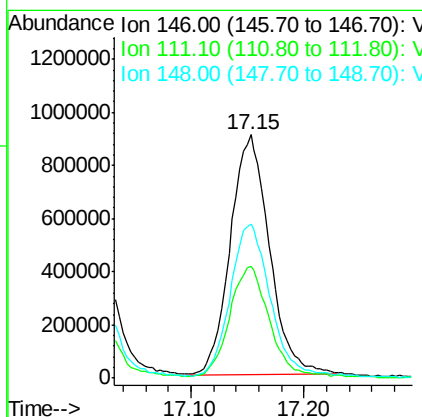
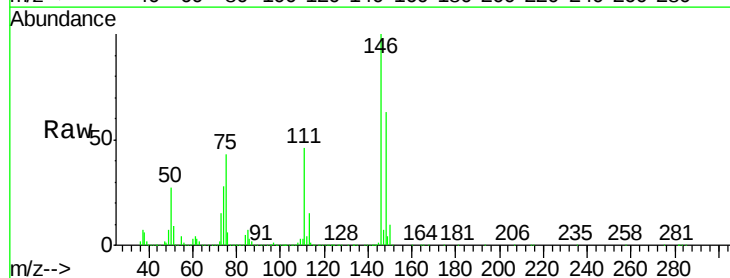
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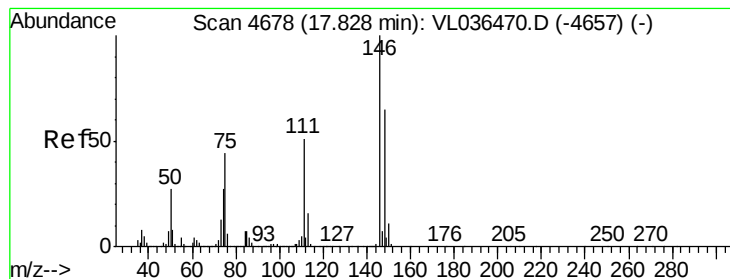
apatel
 4/13/2021 10:42:42 AM



#76
 1,4-Dichlorobenzene
 Concen: 9.246 ppbv
 RT: 17.15 min Scan# 4468
 Delta R.T. 0.01 min
 Lab File: VL036794.D
 Acq: 12 Apr 2021 21:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.9	24.3	72.8
148	67.2	33.0	98.9





#77

1,2-Dichlorobenzene

Concen: 9.876 ppbv

RT: 17.83 min Scan# 4679

Delta R.T. 0.00 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2199771

Ion Ratio Lower Upper

146 100

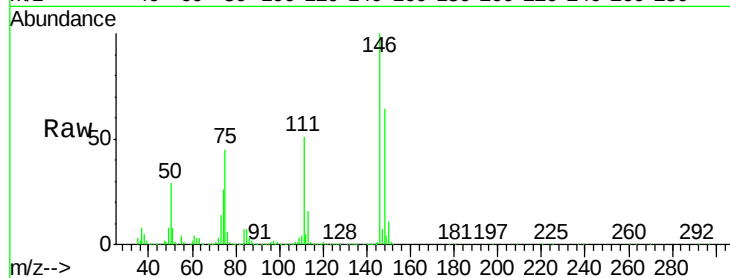
111 50.5 25.5 76.5

148 65.0 32.9 98.6

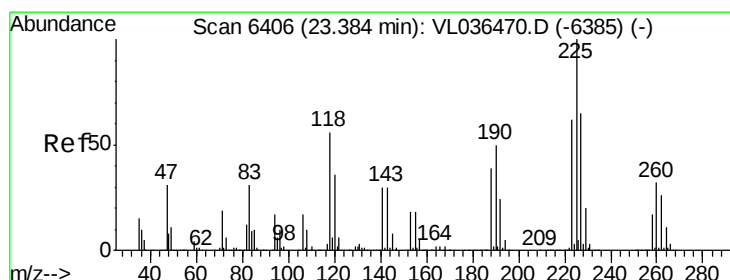
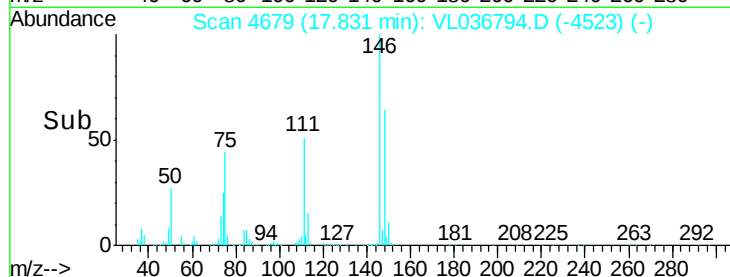
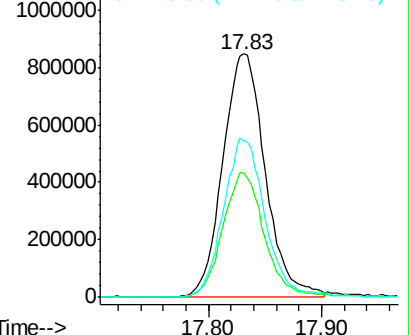
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.607 ppbv

RT: 23.39 min Scan# 6408

Delta R.T. 0.01 min

Lab File: VL036794.D

Acq: 12 Apr 2021 21:19

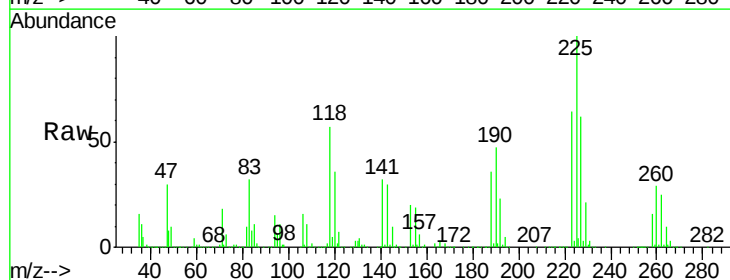
Tgt Ion:225 Resp: 1716987

Ion Ratio Lower Upper

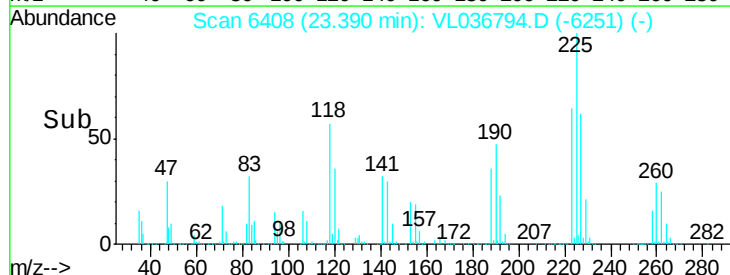
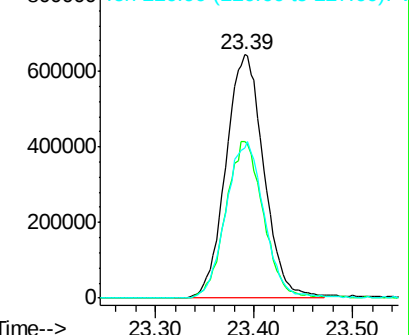
225 100

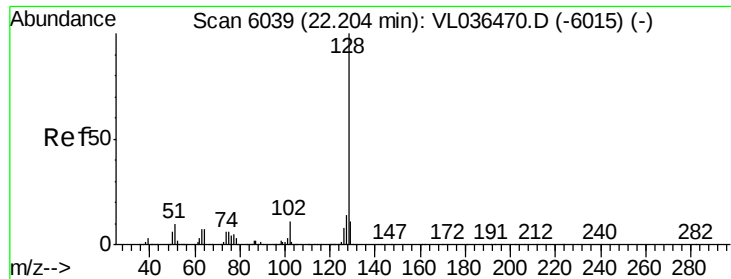
223 64.4 50.6 75.8

227 65.1 52.2 78.2



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





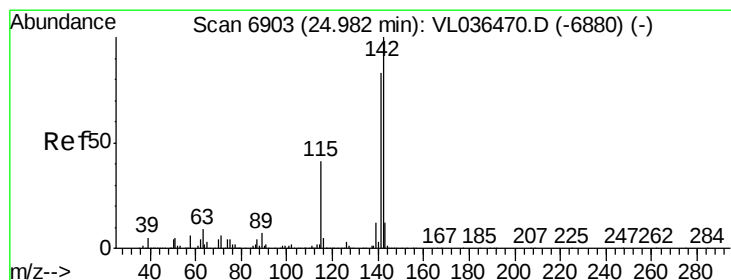
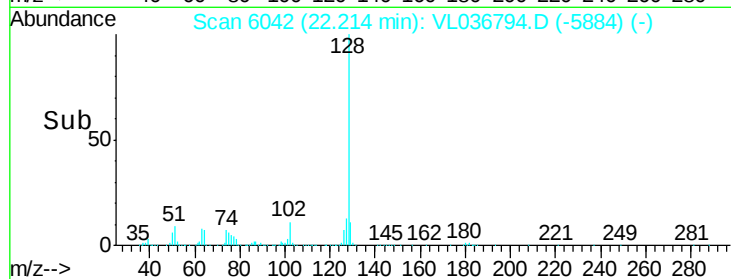
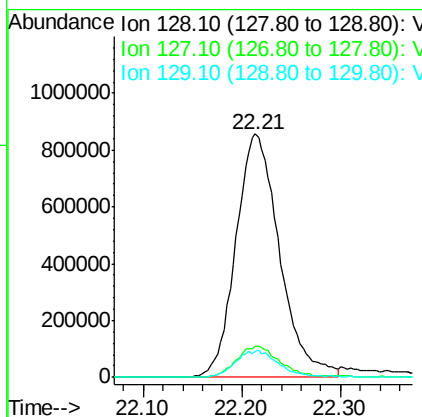
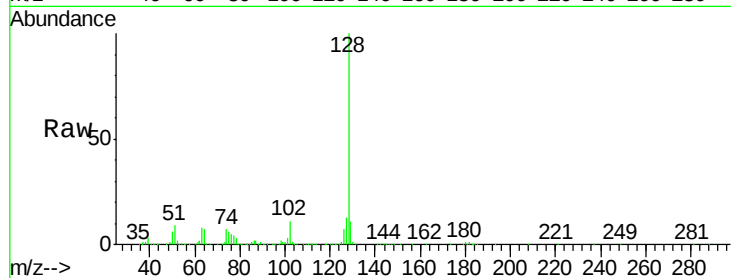
#79
Naphthalene
Concen: 10.686 ppbv
RT: 22.21 min Scan# 6042
Delta R.T. 0.01 min
Lab File: VL036794.D
Acq: 12 Apr 2021 21:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.9	16.3
129	10.7	9.0	13.4

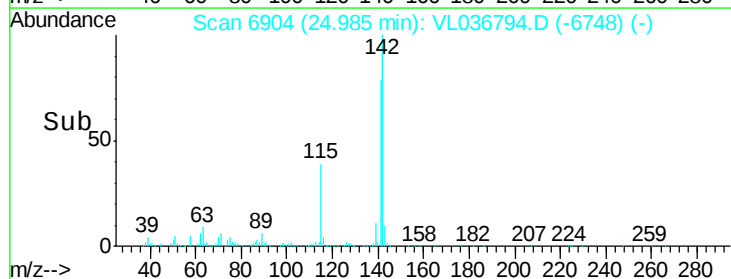
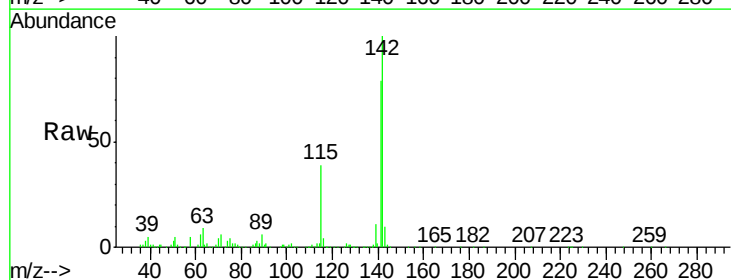
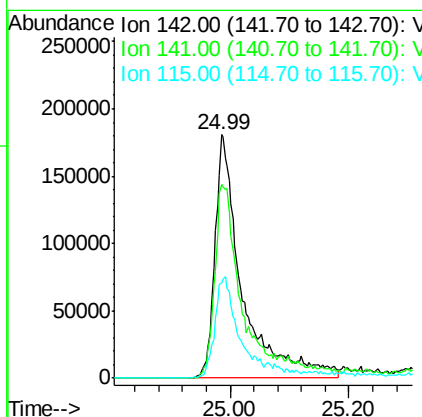
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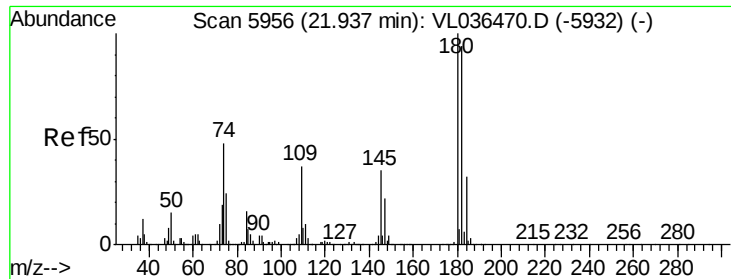
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#80
Naphthalene, 2-methyl-
Concen: 11.882 ppbv
RT: 24.99 min Scan# 6904
Delta R.T. 0.00 min
Lab File: VL036794.D
Acq: 12 Apr 2021 21:19

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.3	67.8	101.8
115	41.7	34.0	51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 10.350 ppbv
 RT: 21.94 min Scan# 5958
 Delta R.T. 0.01 min
 Lab File: VL036794.D
 Acq: 12 Apr 2021 21:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.3	80.8	121.2
184	31.5	25.0	37.4

Manual Integrations
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