

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081820\
 Data File : VL035444.D
 Acq On : 18 Aug 2020 15:01
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:07:04 AM

Quant Time: Aug 19 02:57:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 19 02:57:41 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1102447	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4992774	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	5454782m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	3678891	9.63	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1744526	8.538	ppbv	99
3) Chlorodifluoromethane	2.99	51	1255067	9.080	ppbv #	92
4) Chloromethane	3.14	50	663689	9.216	ppbv	95
5) Vinyl Chloride	3.26	62	792679	9.210	ppbv	96
6) Bromomethane	3.47	94	707046	9.394	ppbv	98
7) Chloroethane	3.56	64	291197	9.184	ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	2295354	8.773	ppbv #	58
9) Propene	3.01	41	500541	9.009	ppbv	99
10) Heptane	8.15	43	1352470	9.284	ppbv #	80
11) Trichlorofluoromethane	3.95	101	2883649	8.994	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2144369	8.975	ppbv #	79
13) Ethanol	3.61	45	131648	6.467	ppbv	100
14) Bromoethene	3.74	108	981878	9.300	ppbv #	94
15) Acetone	3.85	43	1031416	8.128	ppbv #	83
16) 1,3-Butadiene	3.33	39	486415	9.453	ppbv #	67
17) tert-Butyl alcohol	4.30	59	1539077	9.384	ppbv	98
18) 1,1-Dichloroethene	4.29	96	974115	9.234	ppbv #	61
19) Isopropyl Alcohol	3.98	45	794316	9.082	ppbv #	98
20) Methylene Chloride	4.35	84	806746	7.880	ppbv #	64
21) Allyl Chloride	4.42	41	620985	9.631	ppbv #	81
22) trans-1,2-Dichloroethene	4.90	96	1042187	9.257	ppbv #	62
23) Vinyl Acetate	5.09	43	1726053	9.515	ppbv #	93
24) 1,1-Dichloroethane	5.02	63	1647974	9.103	ppbv #	94
25) Ethyl Acetate	5.69	43	2191794	8.877	ppbv #	93
26) Hexane	5.70	57	1246690	8.947	ppbv #	75
27) Carbon Disulfide	4.56	76	2021621	10.037	ppbv #	85
28) Methyl tert-Butyl Ether	5.04	73	2318973	9.110	ppbv	92
29) Chloroform	5.77	83	2565672	9.164	ppbv	97
30) Cyclohexane	7.15	84	1467293	9.491	ppbv #	61
31) cis-1,2-Dichloroethene	5.56	61	1377431	9.399	ppbv #	65
32) 1,1,1-Trichloroethane	6.53	97	2648826	10.095	ppbv #	90
34) 2-Butanone	5.26	43	1538744	9.224	ppbv #	74
35) Carbon Tetrachloride	7.04	117	2845402	10.715	ppbv	97
36) Benzene	6.91	78	3335492	9.102	ppbv #	94
37) 1,2-Dichloroethane	6.33	62	1585673	9.469	ppbv #	90
38) Trichloroethene	7.86	130	1872615	9.187	ppbv #	82
39) 1,2-Dichloropropane	7.64	63	1124363	9.310	ppbv #	85
40) 1,4-Dioxane	7.85	88	576335	8.761	ppbv #	1
41) Tetrahydrofuran	6.06	42	891905	9.693	ppbv #	62
42) Bromodichloromethane	7.82	83	2759438	9.847	ppbv #	98
43) Methyl Methacrylate	8.04	69	1388816	9.692	ppbv #	59

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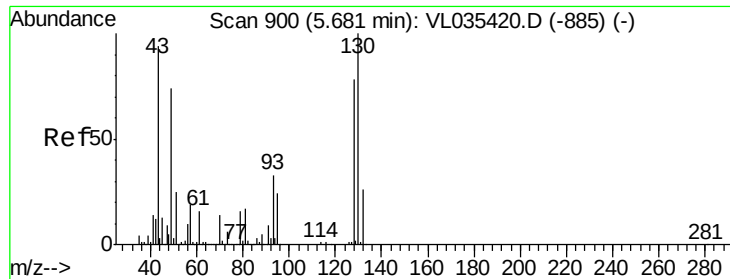
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Quant Time: Aug 19 02:57:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
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 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4239940	8.860	ppbv #	93
45) t-1,3-Dichloropropene	9.30	75	1618181	10.963	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1911162	10.393	ppbv #	75
47) 1,1,2-Trichloroethane	9.50	97	1671177	9.264	ppbv	92
48) Dibromochloromethane	10.33	129	3086496	10.200	ppbv	99
49) Bromoform	13.08	173	3103435	10.646	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2256761	9.431	ppbv #	81
51) 2-Hexanone	10.16	43	1951269	9.674	ppbv #	79
52) Tetrachloroethene	11.26	164	2025798	9.063	ppbv #	84
53) Toluene	9.83	91	4322301	9.158	ppbv	98
54) 1,2-Dibromoethane	10.64	107	2724422	9.299	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	2386159	9.222	ppbv	98
57) Chlorobenzene	12.18	112	3795207	8.335	ppbv #	81
58) Ethyl Benzene	12.74	91	5643605	8.571	ppbv #	84
59) m/p-Xylene	13.03	91	9157084m	16.451	ppbv	
60) o-Xylene	13.73	91	4636504	8.570	ppbv	86
61) Styrene	13.56	104	3946077	9.027	ppbv #	90
62) Isopropylbenzene	14.71	105	7237179	8.162	ppbv #	86
63) 1,1,2,2-Tetrachloroethane	13.71	83	3235096	8.325	ppbv	97
64) n-propylbenzene	15.60	120	2422158	8.863	ppbv #	45
65) tert-Butylbenzene	16.78	119	7060764	8.195	ppbv #	82
66) Benzyl Chloride	17.03	91	2496005	12.043	ppbv #	88
67) sec-Butylbenzene	17.34	105	8960329	7.902	ppbv #	83
69) p-Isopropyltoluene	17.70	119	8115665	8.066	ppbv #	89
70) n-Butylbenzene	18.59	91	7688084	8.089	ppbv #	90
71) 2-Chlorotoluene	15.49	91	5503271	8.554	ppbv	77
72) 4-Ethyltoluene	15.88	105	6100635	8.593	ppbv #	91
73) 1,3,5-Trimethylbenzene	16.04	105	5656033	8.562	ppbv #	82
74) 1,2,4-Trimethylbenzene	16.81	105	5862127	8.167	ppbv	90
75) 1,3-Dichlorobenzene	17.04	146	4551484	8.210	ppbv	92
76) 1,4-Dichlorobenzene	17.18	146	4609145	8.436	ppbv	91
77) 1,2-Dichlorobenzene	17.86	146	4518496	8.321	ppbv	91
78) Hexachloro-1,3-Butadiene	23.42	225	3455733	8.049	ppbv	97
79) Naphthalene	22.25	128	8481092	8.390	ppbv	97
80) Naphthalene, 2-methyl-	25.01	142	4276517	10.238	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.98	180	5114207	8.393	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

Lab File: VL035444.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1102447

Ion Ratio Lower Upper

49 100

128 103.6 20.9 62.7#

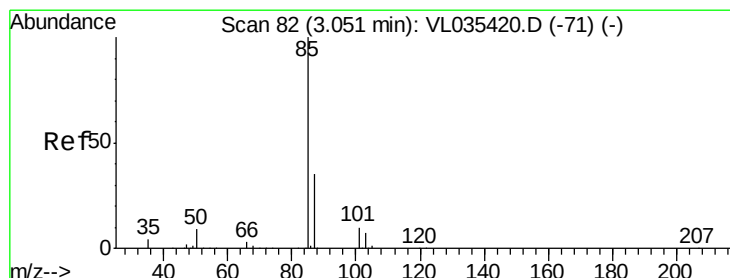
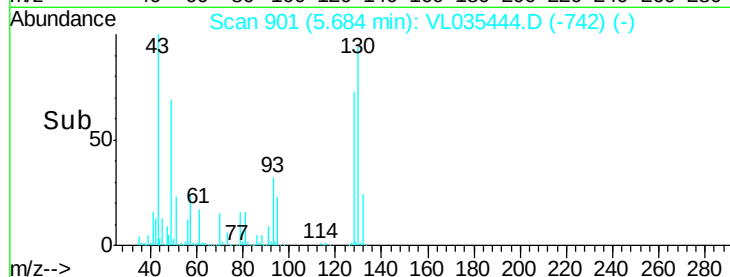
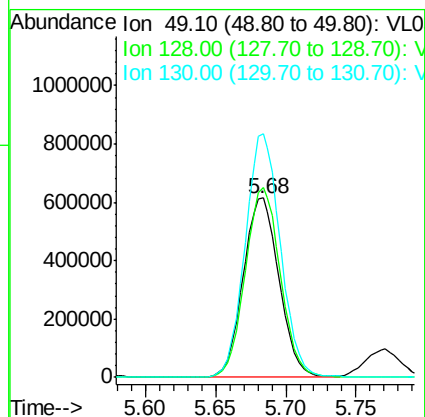
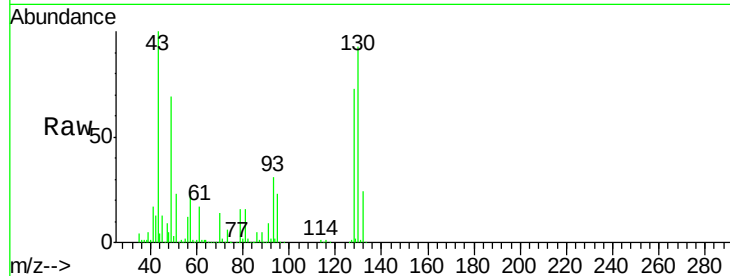
130 133.3 26.7 80.1#

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 8.538 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL035444.D

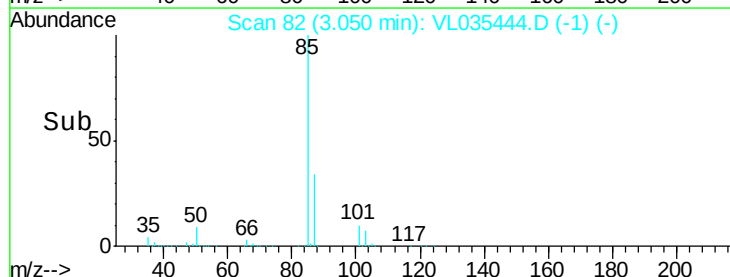
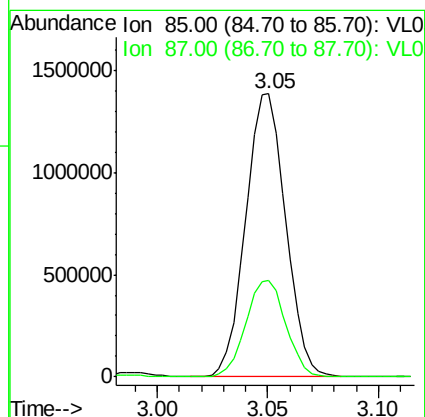
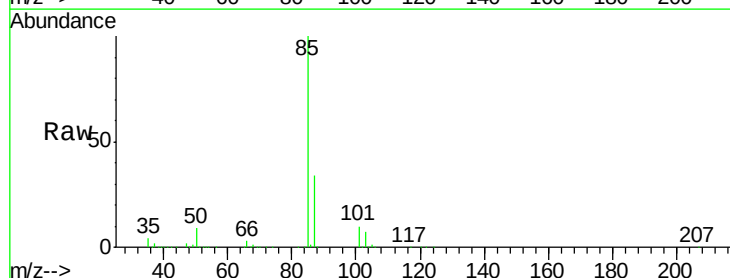
Acq: 18 Aug 2020 15:01

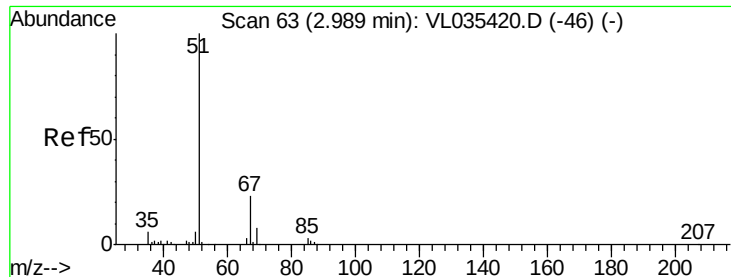
Tgt Ion: 85 Resp: 1744526

Ion Ratio Lower Upper

85 100

87 34.2 27.1 40.7





#3

Chlorodifluoromethane

Concen: 9.080 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 1255067

Ion Ratio Lower Upper

51 100

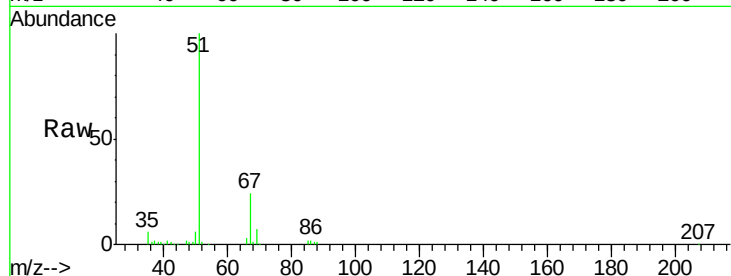
67 22.6 15.0 22.6#

Manual Integrations

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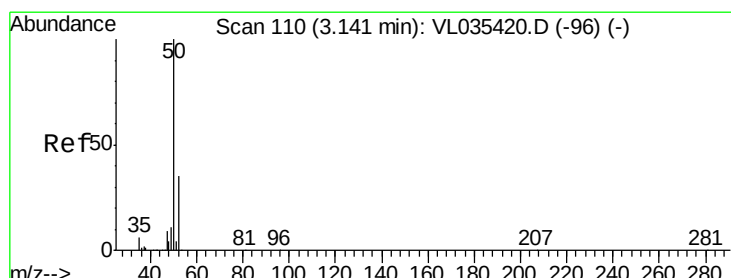
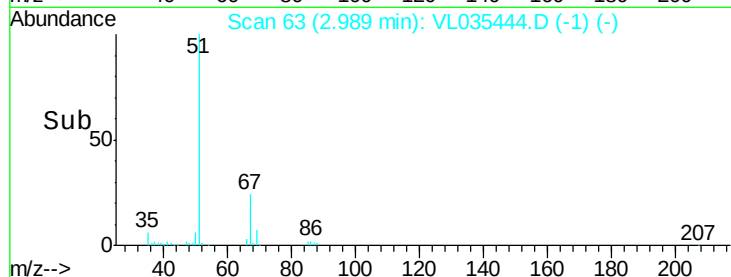
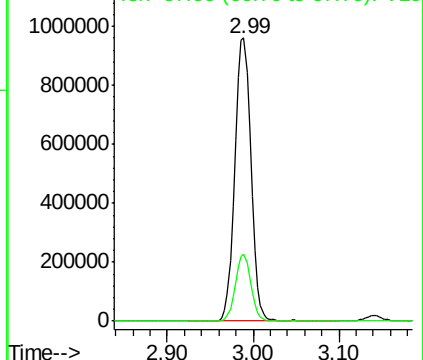
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.216 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL035444.D

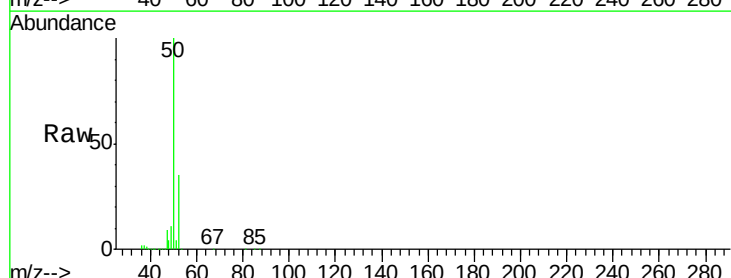
Acq: 18 Aug 2020 15:01

Tgt Ion: 50 Resp: 663689

Ion Ratio Lower Upper

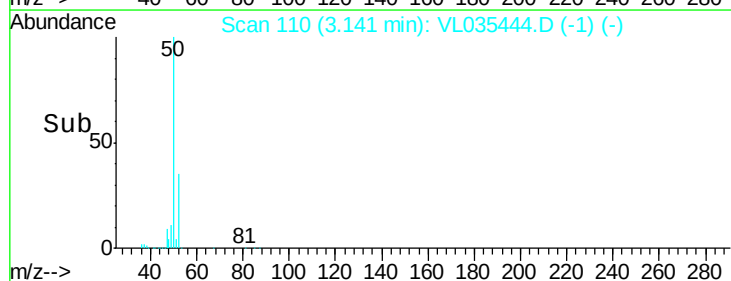
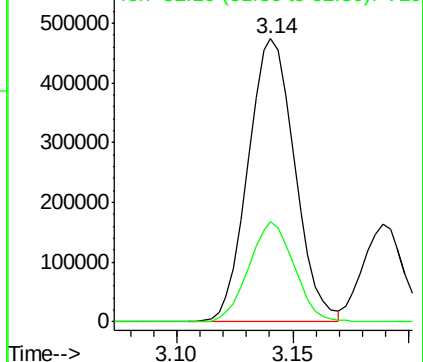
50 100

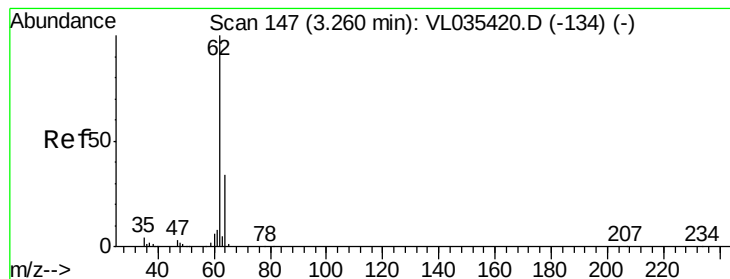
52 35.3 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.210 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 792679

Ion Ratio Lower Upper

62 100

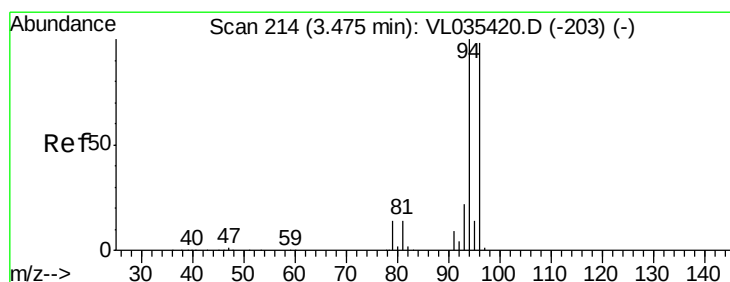
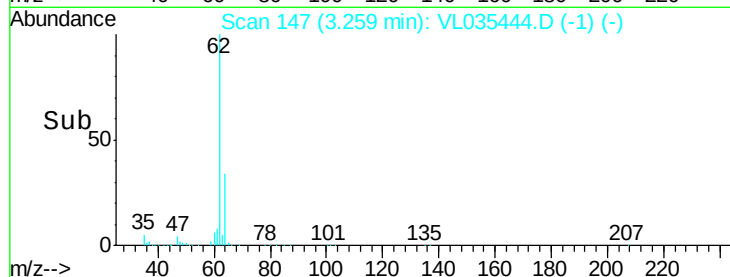
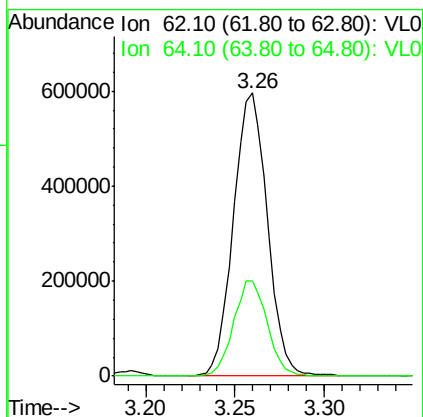
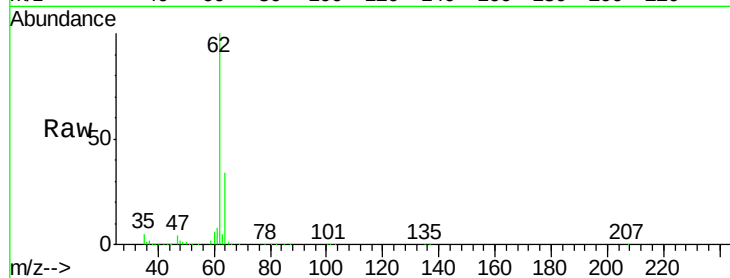
64 33.7 25.0 37.4

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#6

Bromomethane

Concen: 9.394 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.01 min

Lab File: VL035444.D

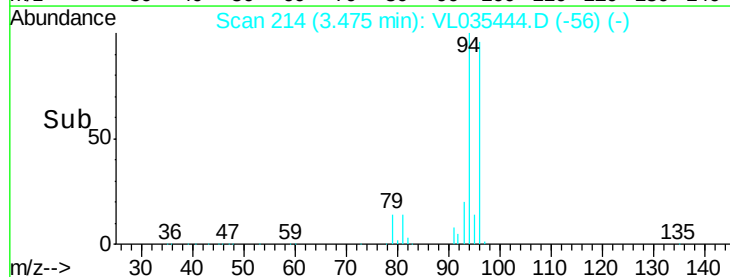
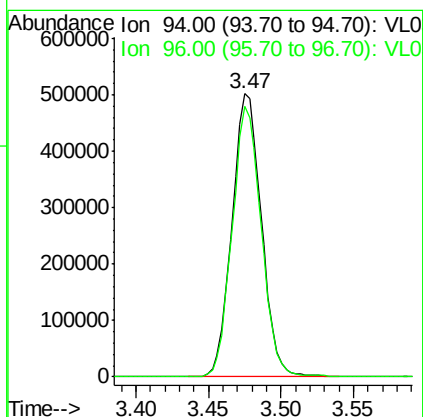
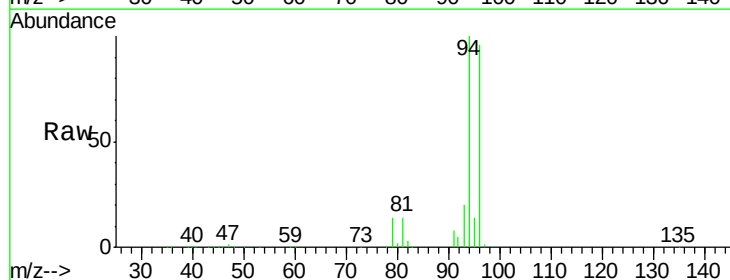
Acq: 18 Aug 2020 15:01

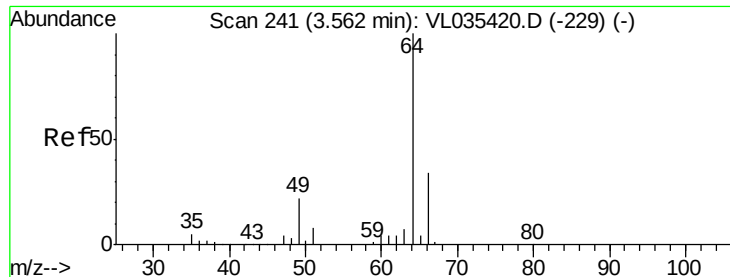
Tgt Ion: 94 Resp: 707046

Ion Ratio Lower Upper

94 100

96 95.5 75.0 112.6





#7

Chloroethane

Concen: 9.184 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 291197

Ion Ratio Lower Upper

64 100

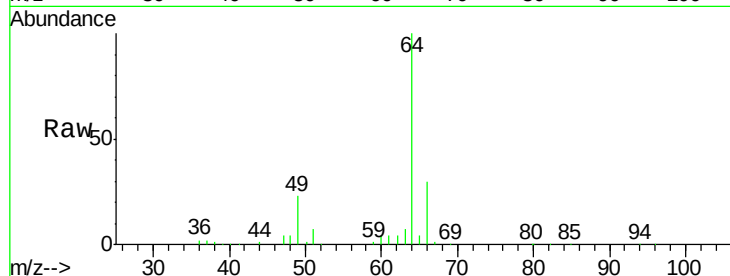
66 30.1 24.5 36.7

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

250000

200000

150000

100000

50000

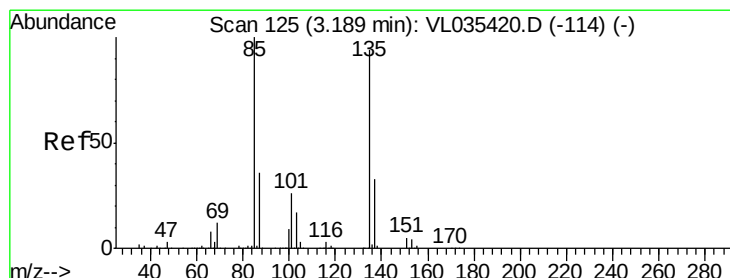
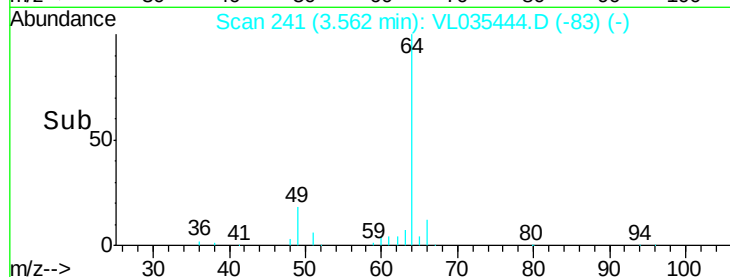
0

3.50

3.55

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.773 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.01 min

Lab File: VL035444.D

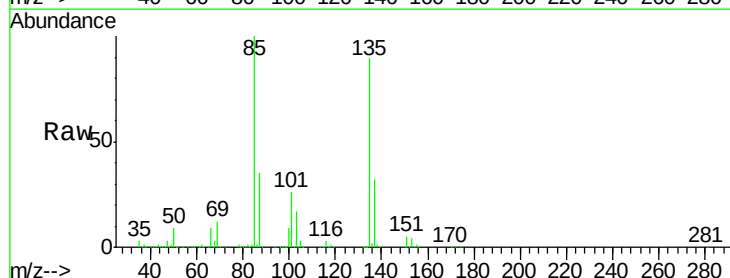
Acq: 18 Aug 2020 15:01

Tgt Ion: 85 Resp: 2295354

Ion Ratio Lower Upper

85 100

135 92.7 48.6 72.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

2000000

1500000

1000000

500000

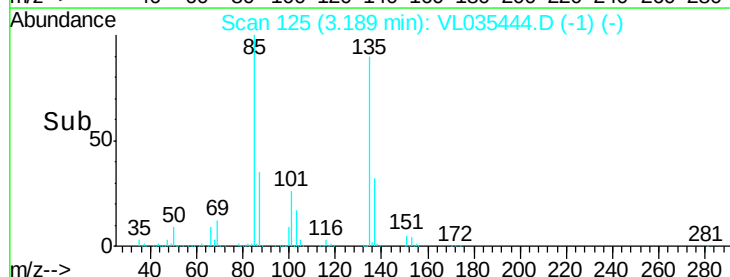
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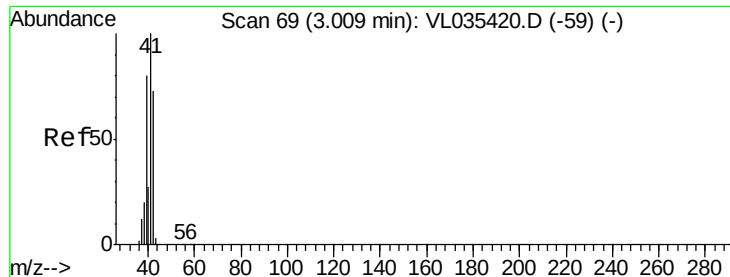
3.15

3.20

3.25

Time-->





#9

Propene

Concen: 9.009 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

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Tot Ion: 41 Resp: 500541

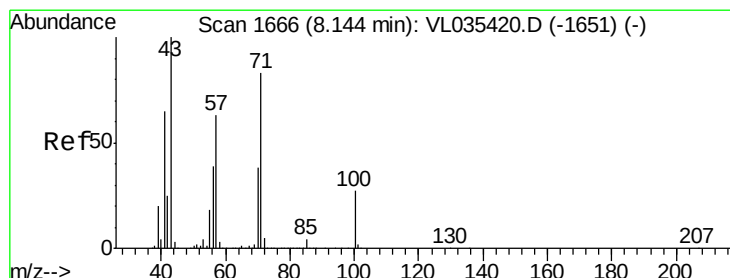
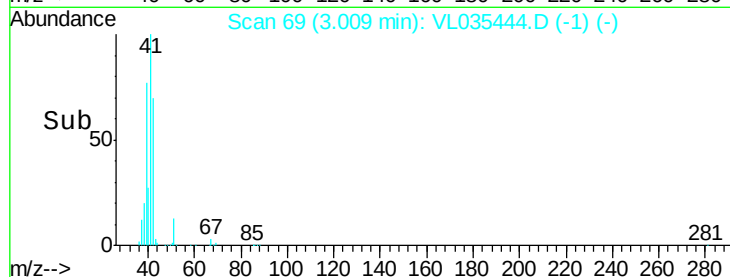
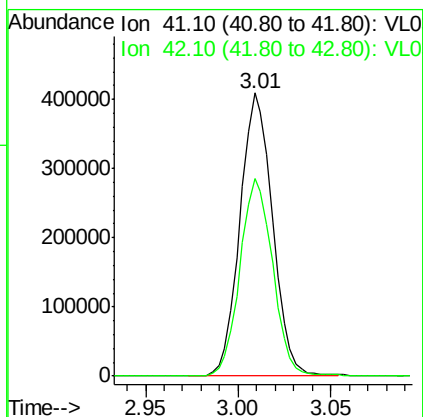
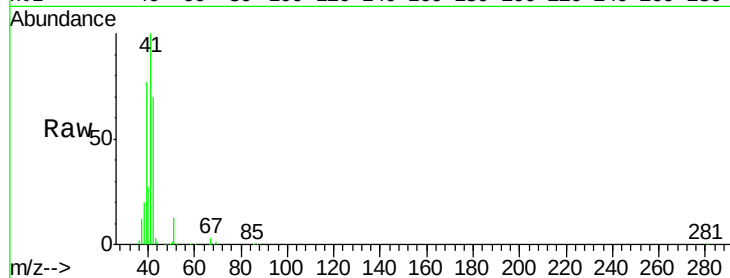
Ion Ratio Lower Upper

41 100

42 70.6 55.5 83.3

Manual Integrations
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#10

Heptane

Concen: 9.284 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.01 min

Lab File: VL035444.D

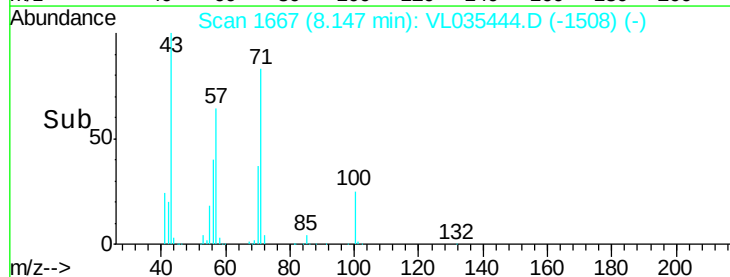
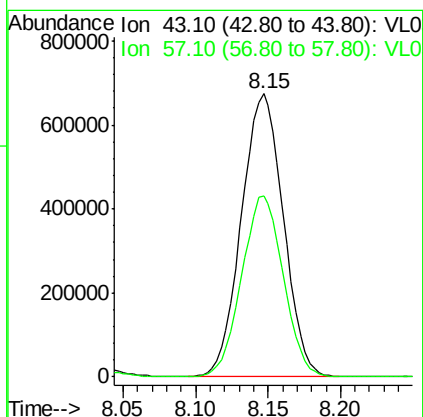
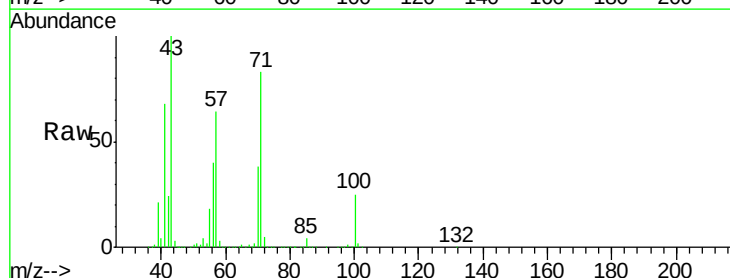
Acq: 18 Aug 2020 15:01

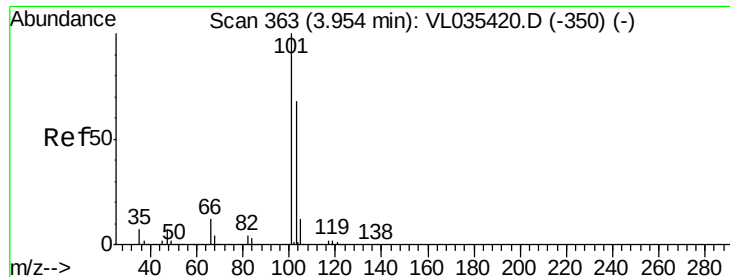
Tgt Ion: 43 Resp: 1352470

Ion Ratio Lower Upper

43 100

57 63.7 39.8 59.6#





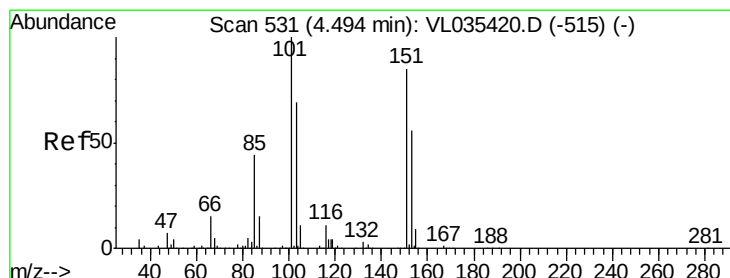
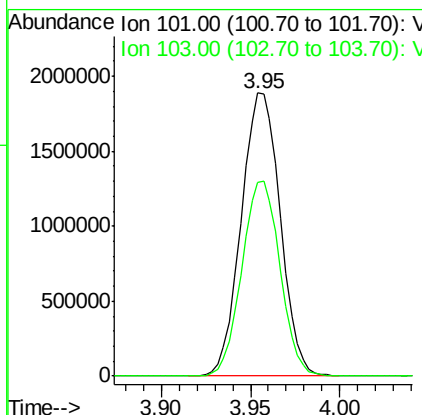
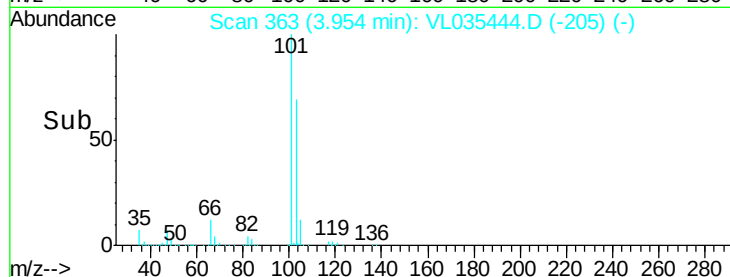
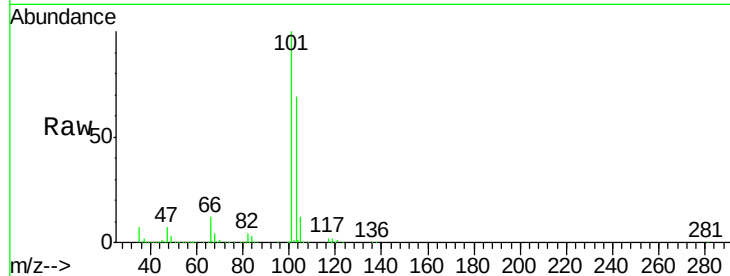
#11
 Trichlorofluoromethane
 Concen: 8.994 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2883649
 Ion Ratio Lower Upper
 101 100
 103 68.5 52.6 78.8

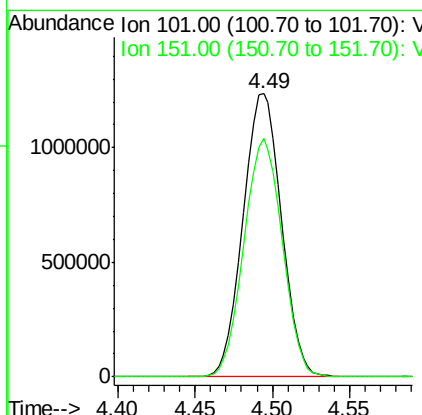
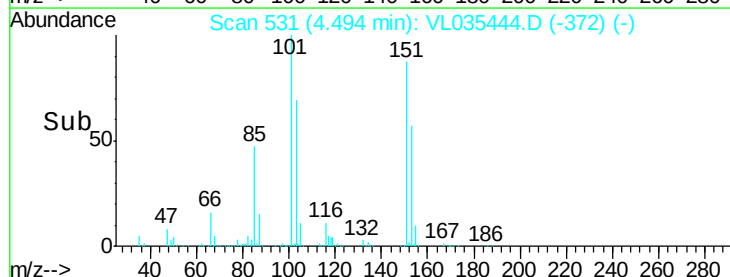
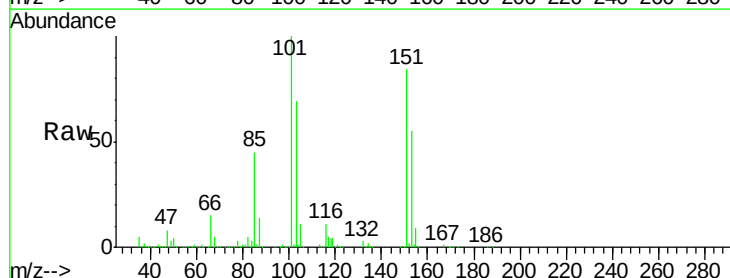
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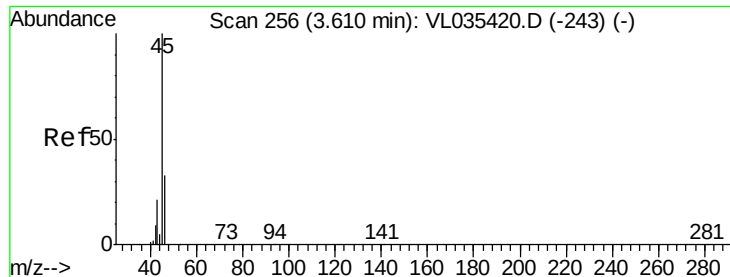
MMDadoda
 8/20/2020 11:07:04 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.975 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

Tgt Ion:101 Resp: 2144369
 Ion Ratio Lower Upper
 101 100
 151 84.1 53.6 80.4#





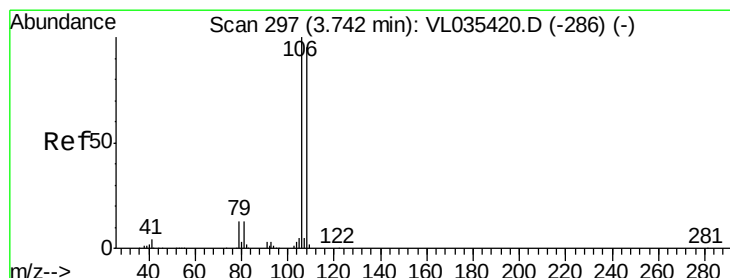
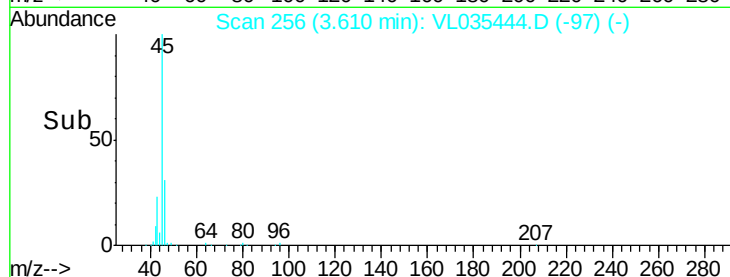
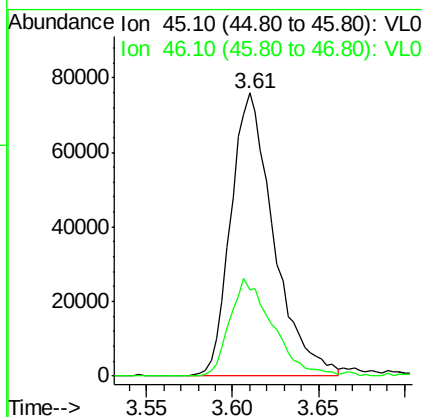
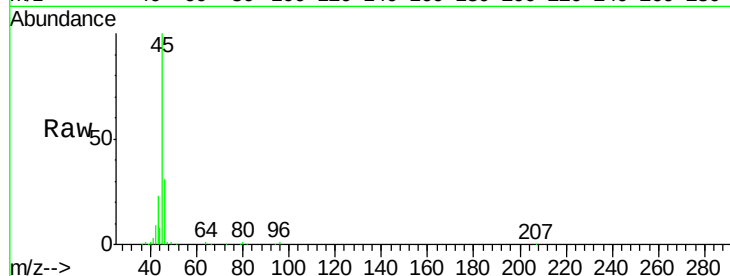
#13
Ethanol
Concen: 6.467 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	35.2	14.2	56.6

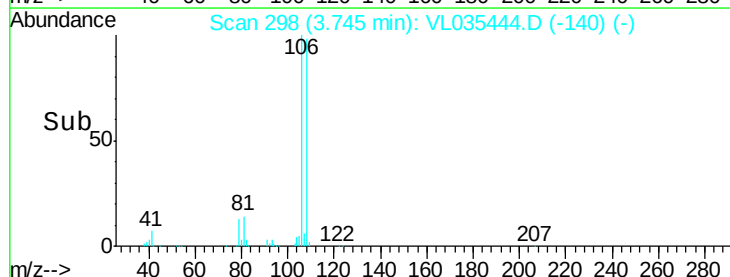
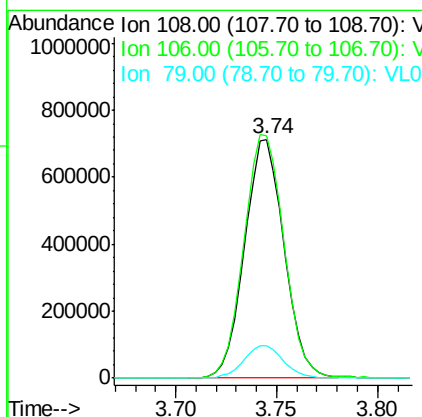
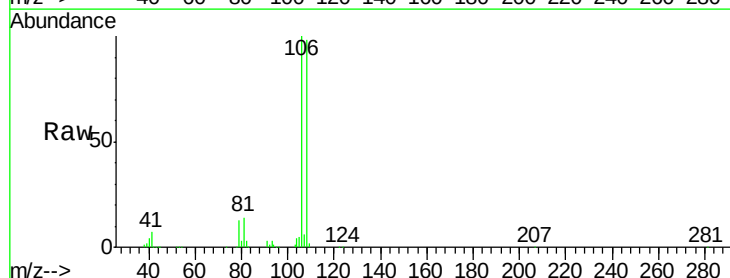
Manual Integrations
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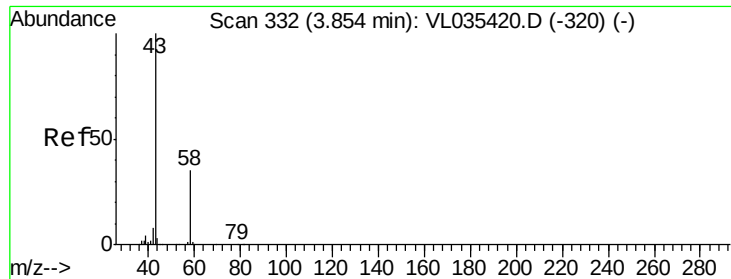
MMDadoda
8/20/2020 11:07:04 AM



#14
Bromoethene
Concen: 9.300 ppbv
RT: 3.74 min Scan# 298
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Tgt Ion	Ratio	Lower	Upper
108	100		
106	104.6	86.7	130.1
79	13.8	16.8	25.2#





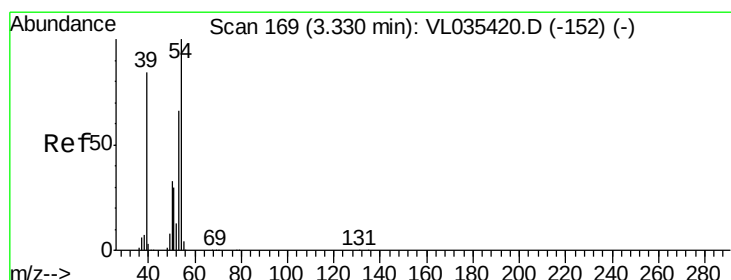
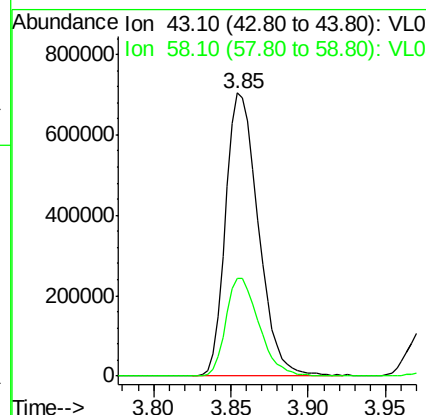
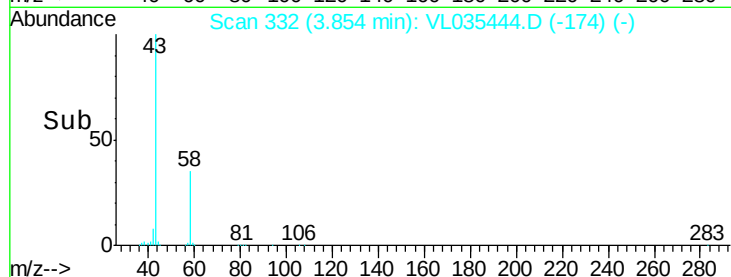
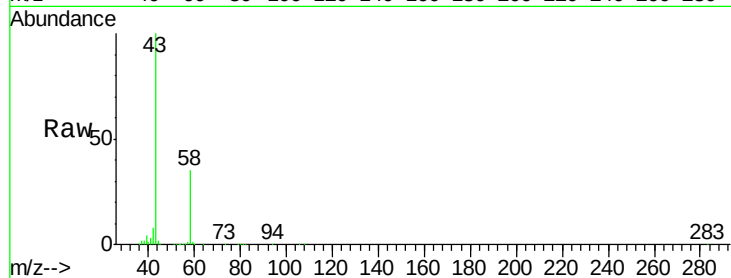
#15
Acetone
Concen: 8.128 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1031416
Ion Ratio Lower Upper
43 100
58 35.2 21.0 31.6#

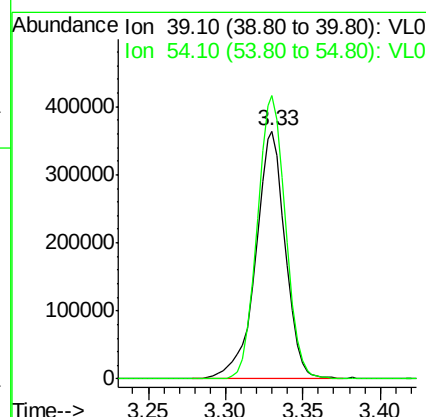
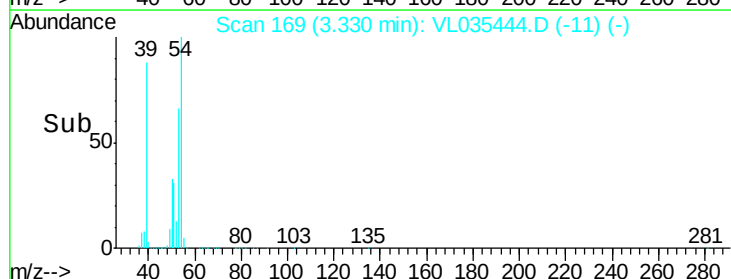
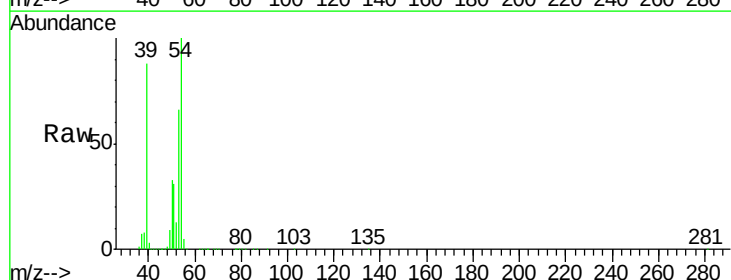
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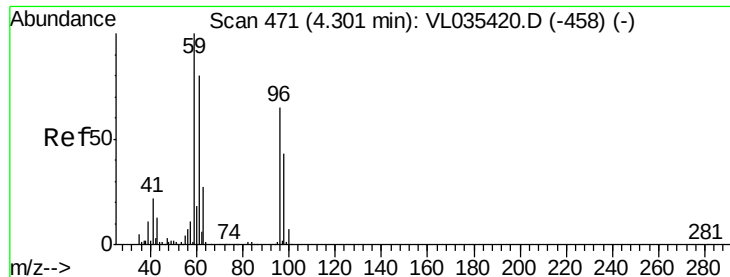
MMDadoda
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#16
1,3-Butadiene
Concen: 9.453 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Tgt Ion: 39 Resp: 486415
Ion Ratio Lower Upper
39 100
54 109.8 64.4 96.6#





#17

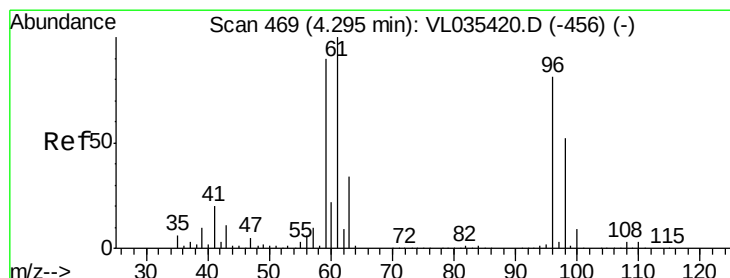
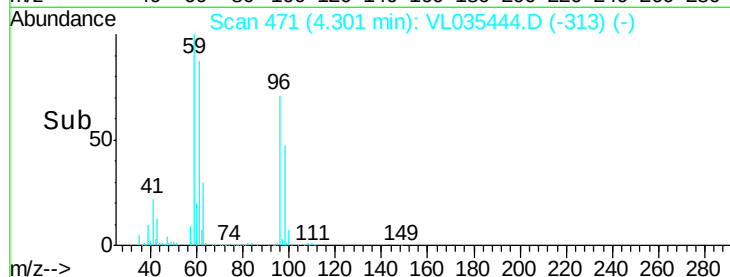
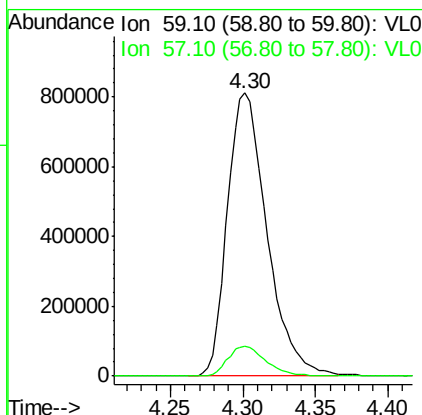
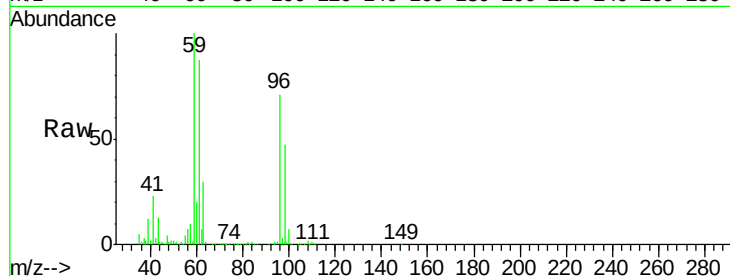
tert-Butyl alcohol
Concen: 9.384 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1539077
Ion Ratio Lower Upper
59 100
57 10.4 8.9 13.3

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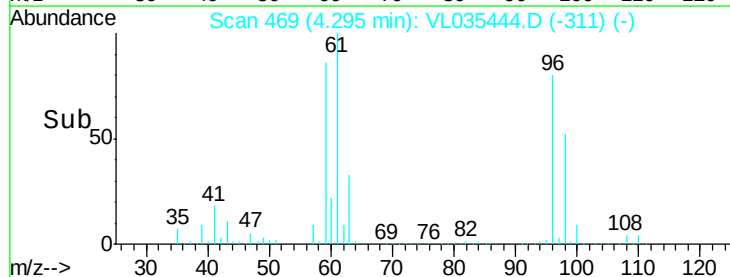
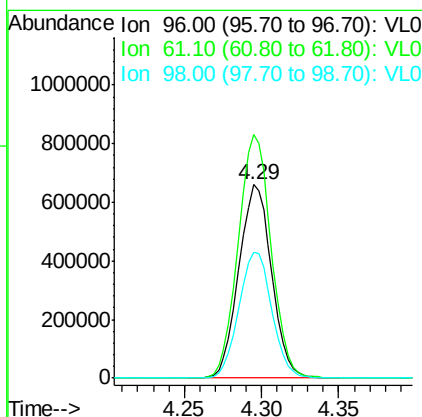
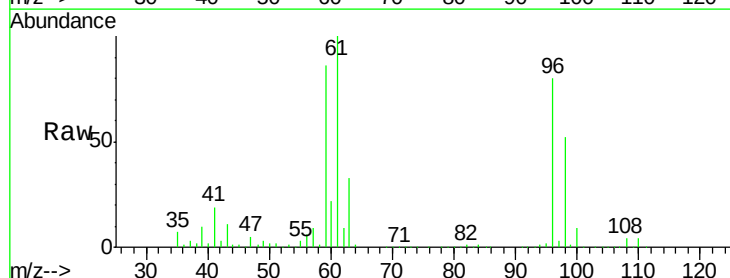
MMDadoda
8/20/2020 11:07:04 AM

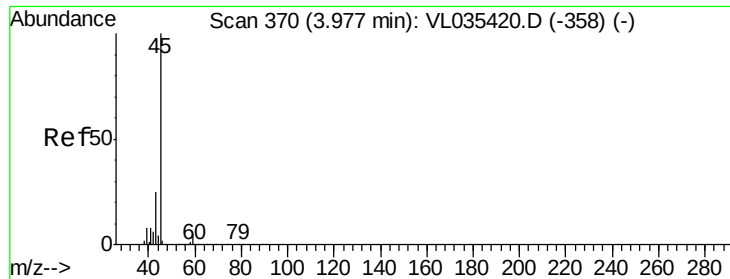


#18

1,1-Dichloroethene
Concen: 9.234 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Tgt Ion: 96 Resp: 974115
Ion Ratio Lower Upper
96 100
61 125.7 161.8 242.6#
98 65.0 49.3 73.9





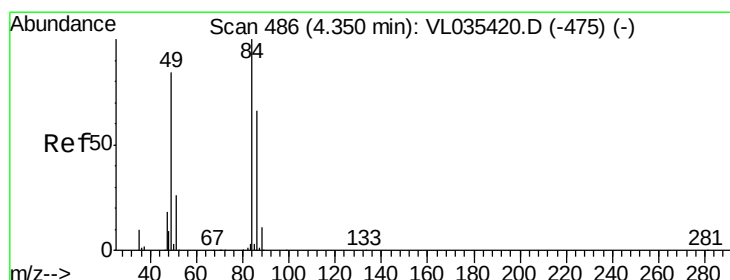
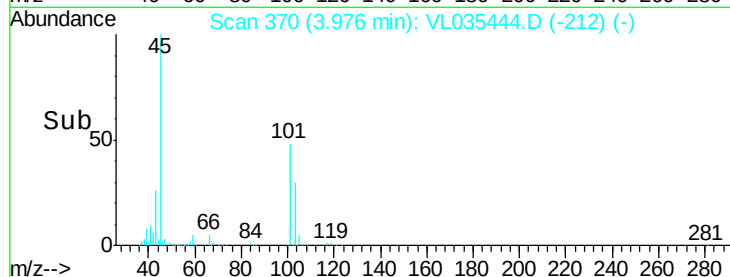
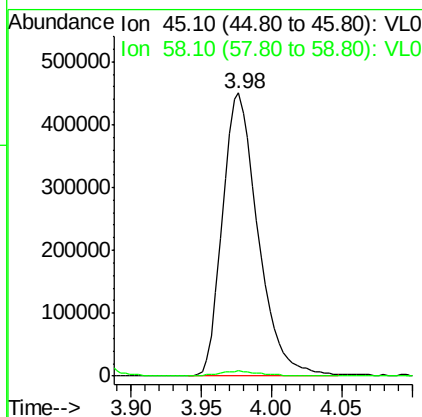
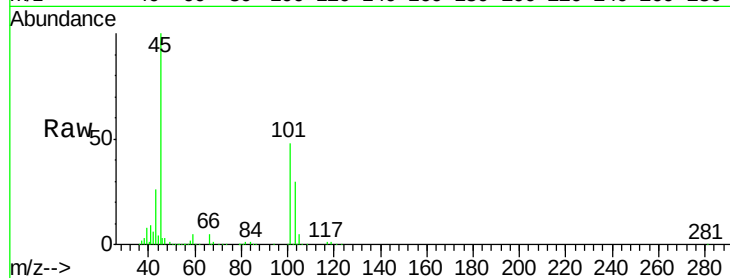
#19
Isopropyl Alcohol
Concen: 9.082 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 794316
Ion Ratio Lower Upper
45 100
58 2.2 1.0 1.6#

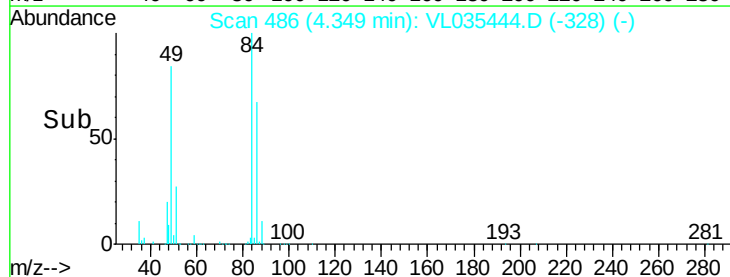
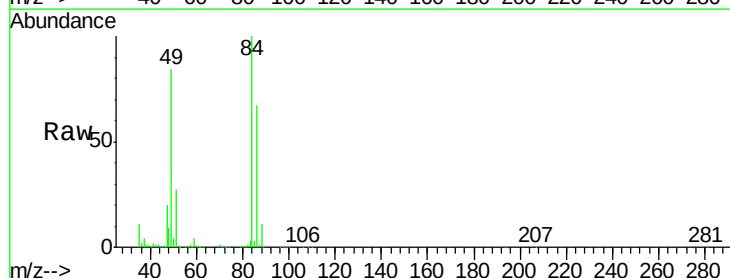
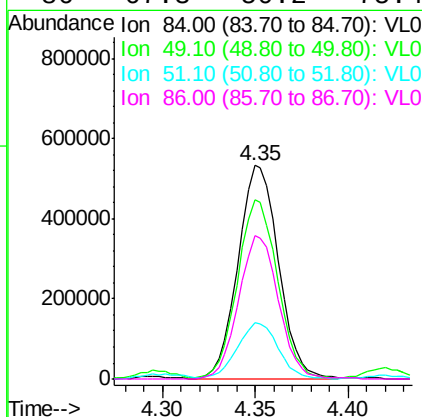
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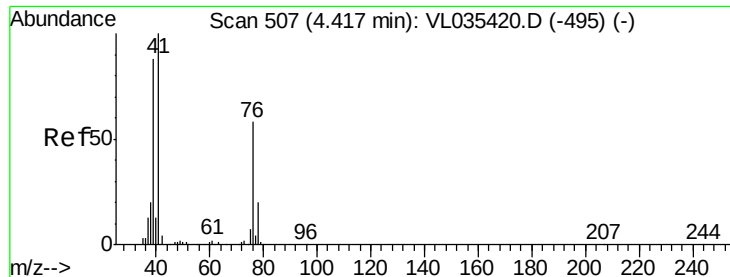
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#20
Methylene Chloride
Concen: 7.880 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Tgt Ion: 84 Resp: 806746
Ion Ratio Lower Upper
84 100
49 83.6 118.6 177.8#
51 26.4 36.4 54.6#
86 67.3 50.2 75.4





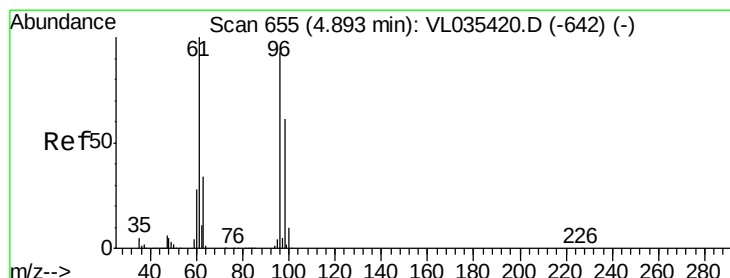
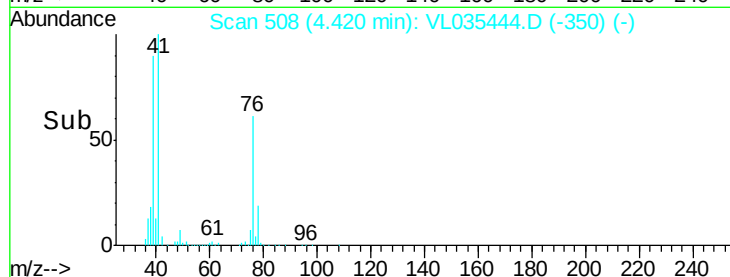
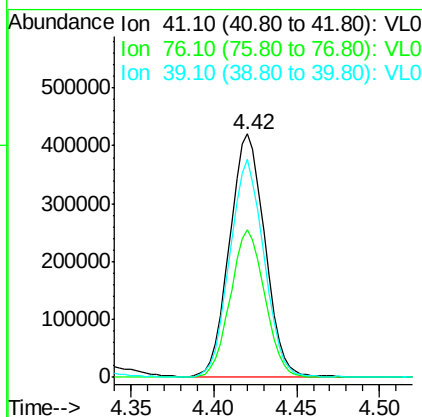
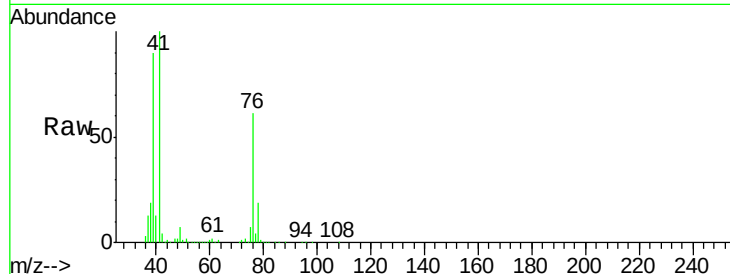
#21
Allvl Chloride
Concen: 9.631 ppbv
RT: 4.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	59.5	22.8	34.2#
39	87.7	66.2	99.2

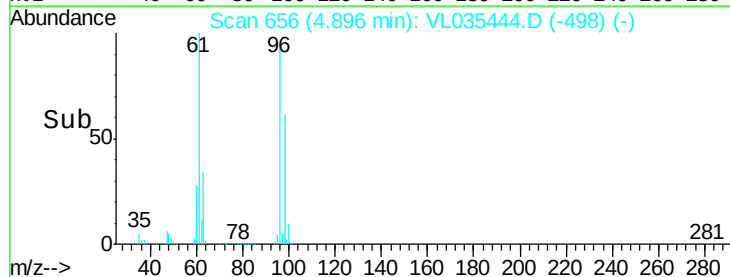
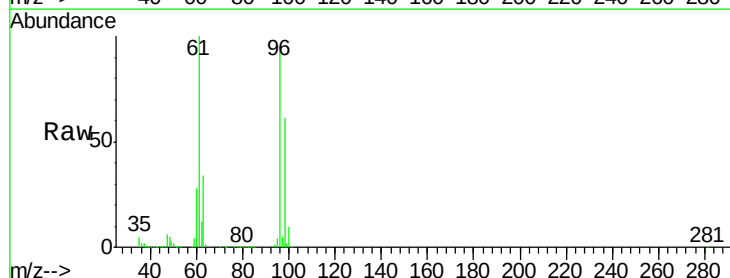
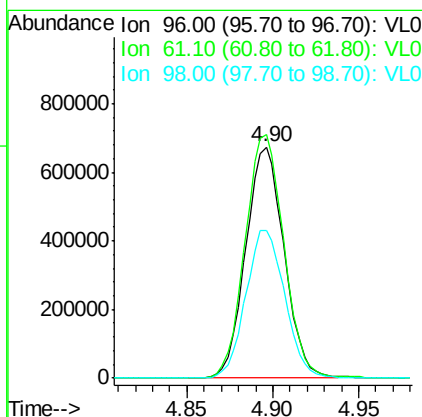
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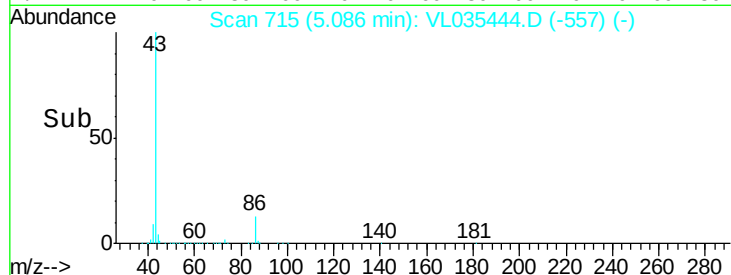
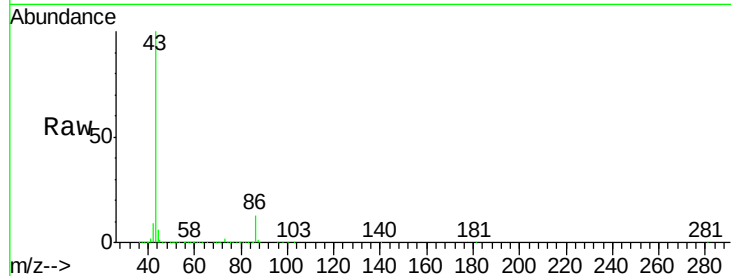
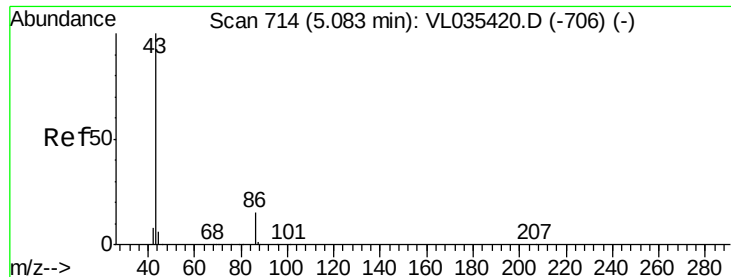
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 9.257 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	105.4	142.2	213.2#
98	64.0	51.8	77.8





#23

Vinyl Acetate

Concen: 9.515 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Tot Ion: 43 Resp: 1726053

Ion	Ratio	Lower	Upper
43	100		
86	13.3	6.5	9.7#
42	9.4	8.3	12.5
44	5.5	4.0	6.0

Instrument :

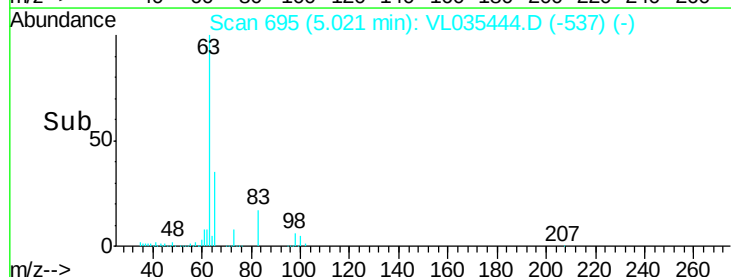
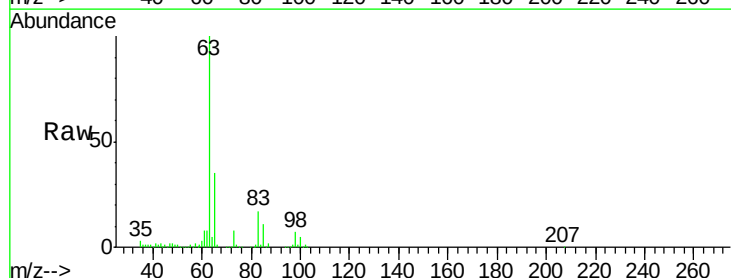
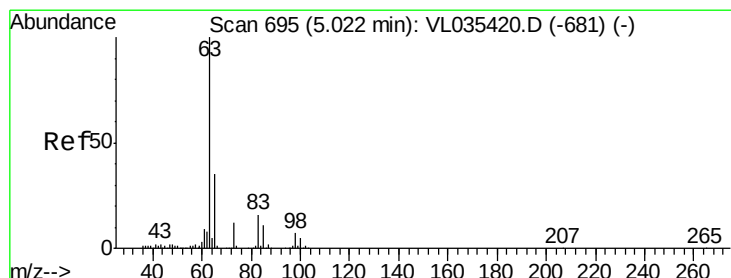
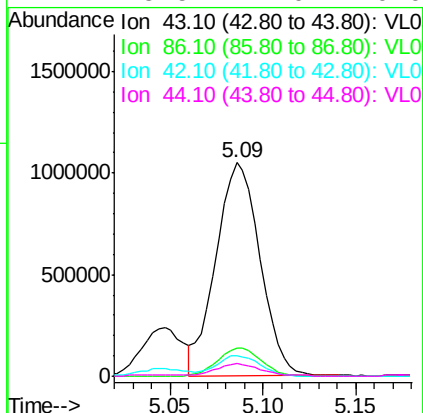
MSVOA_L

ClientSampleId :

VSTDCCC010

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#24

1,1-Dichloroethane

Concen: 9.103 ppbv

RT: 5.02 min Scan# 695

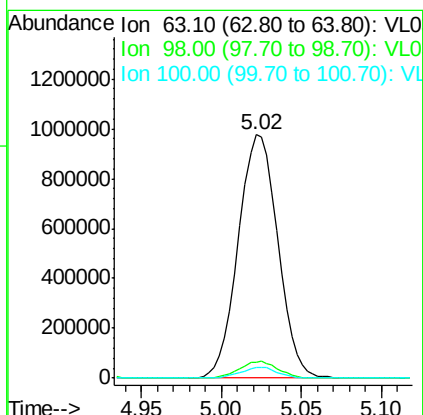
Delta R.T. 0.01 min

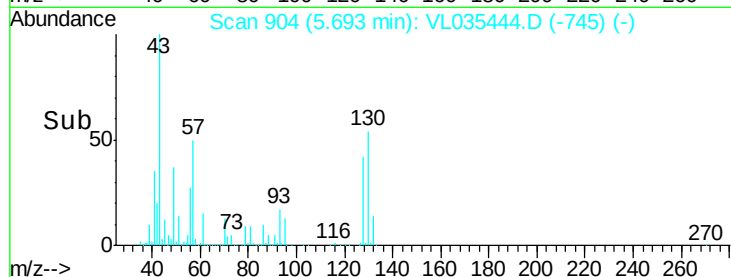
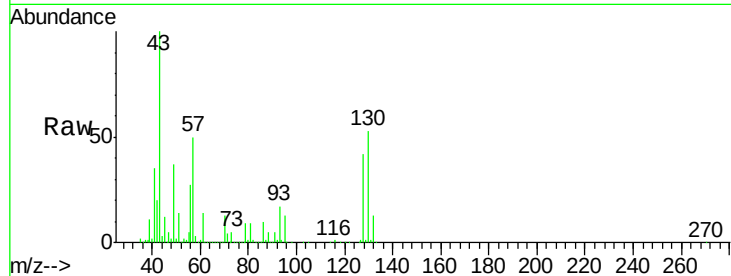
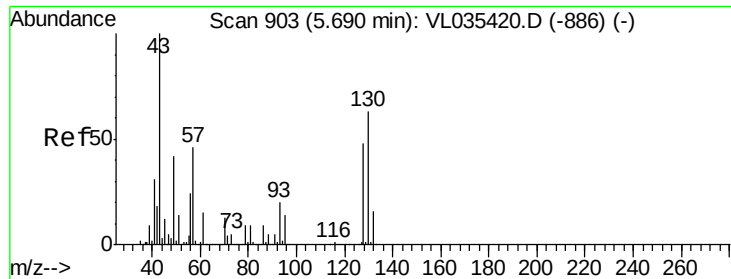
Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Tgt Ion: 63 Resp: 1647974

Ion	Ratio	Lower	Upper
63	100		
98	6.5	2.1	6.5#
100	4.5	1.3	3.8#





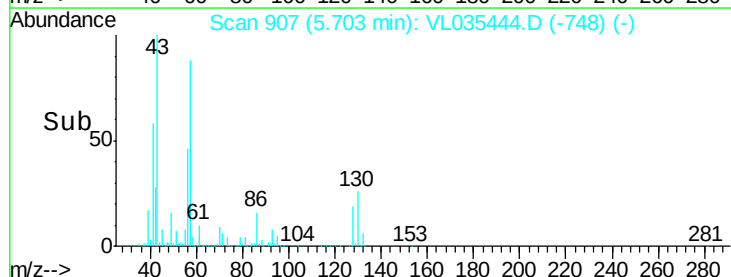
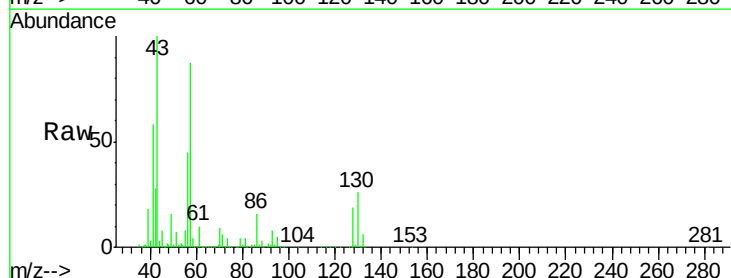
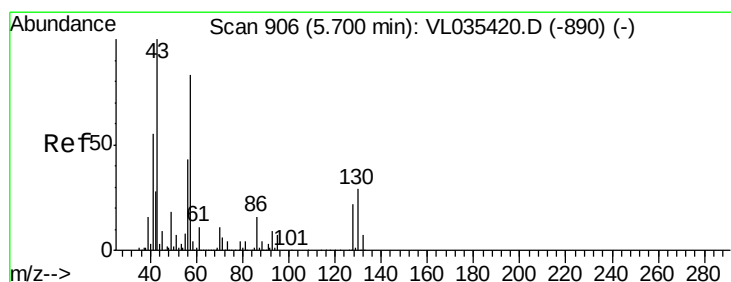
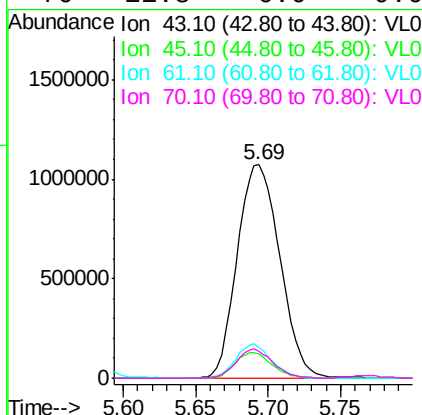
#25
Ethyl Acetate
Concen: 8.877 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Tot Ion: 43 Resp: 2191794
Ion Ratio Lower Upper
43 100
45 10.6 8.3 12.5
61 13.2 7.6 11.4#
70 11.8 6.0 9.0#

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

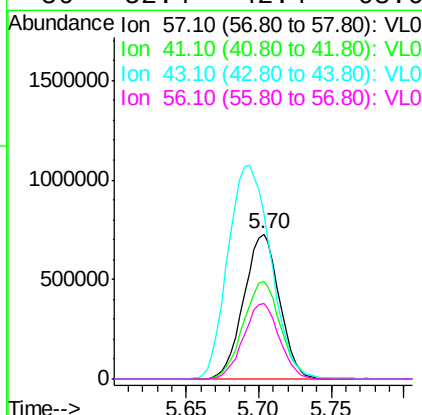
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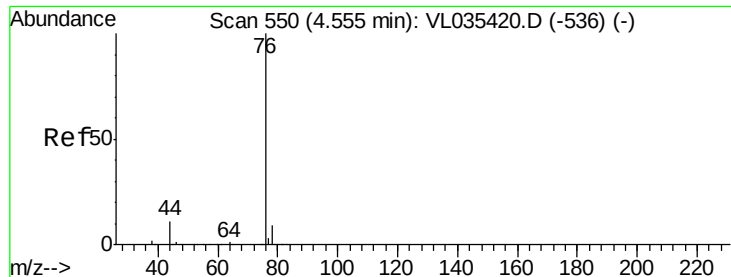
MMDadoda
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#26
Hexane
Concen: 8.947 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Tgt Ion: 57 Resp: 1246690
Ion Ratio Lower Upper
57 100
41 70.8 75.5 113.3#
43 176.6 181.7 272.5#
56 52.4 42.4 63.6





#27

Carbon Disulfide

Concen: 10.037 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 2021621

Ion Ratio Lower Upper

76 100

44 11.3 16.8 25.2#

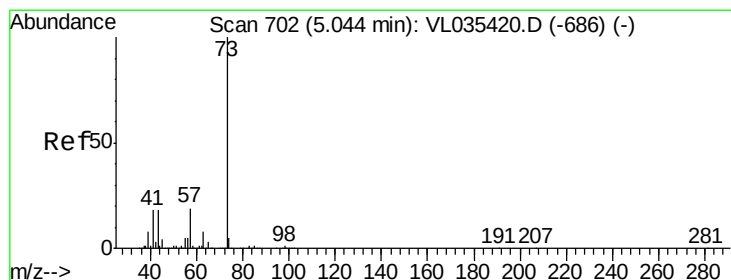
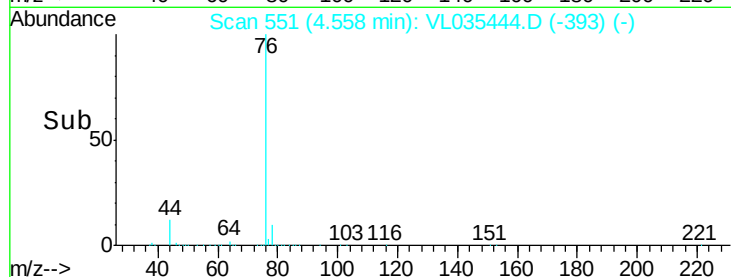
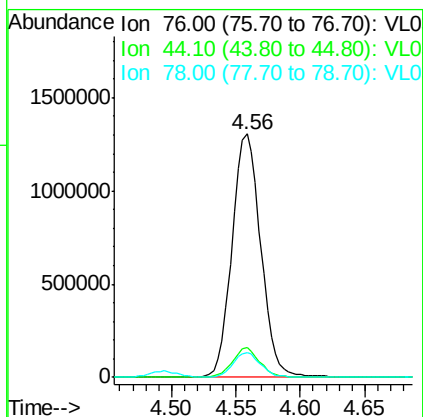
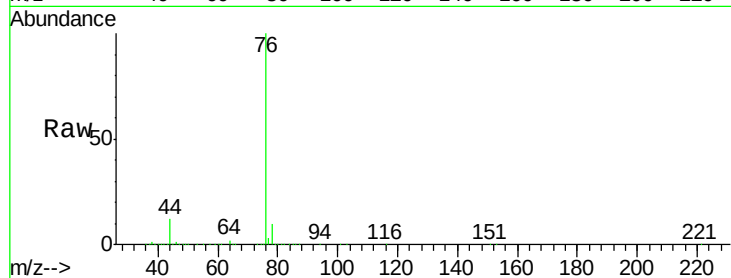
78 9.7 7.3 10.9

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#28

Methyl tert-Butyl Ether

Concen: 9.110 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.01 min

Lab File: VL035444.D

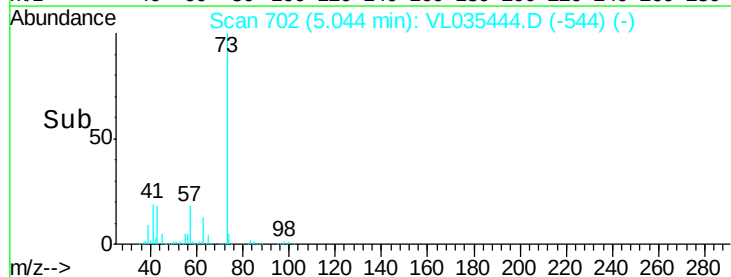
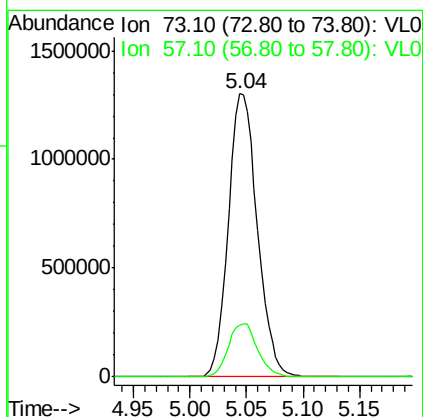
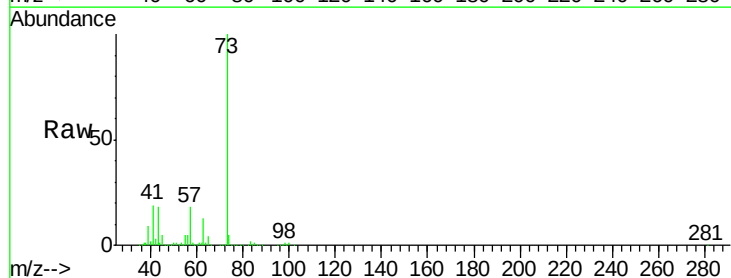
Acq: 18 Aug 2020 15:01

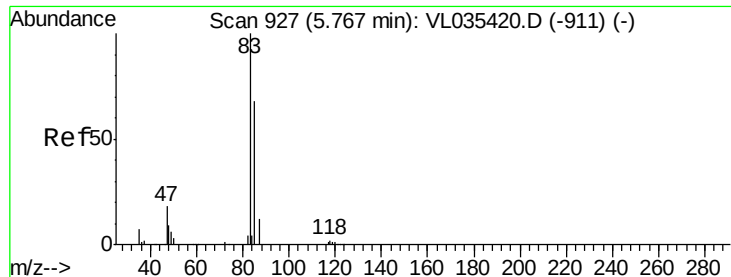
Tgt Ion: 73 Resp: 2318973

Ion Ratio Lower Upper

73 100

57 19.1 18.3 27.5





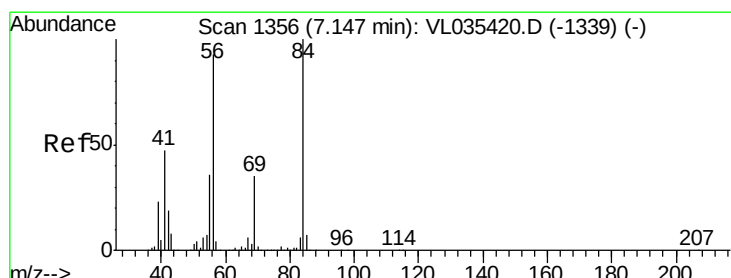
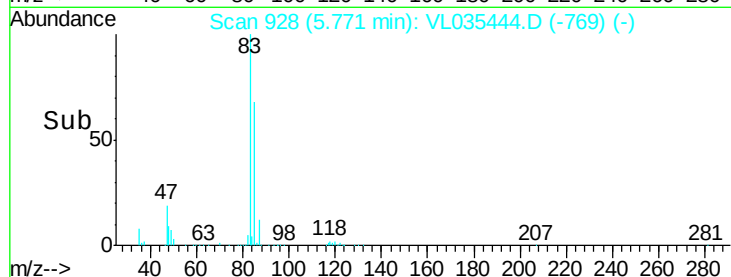
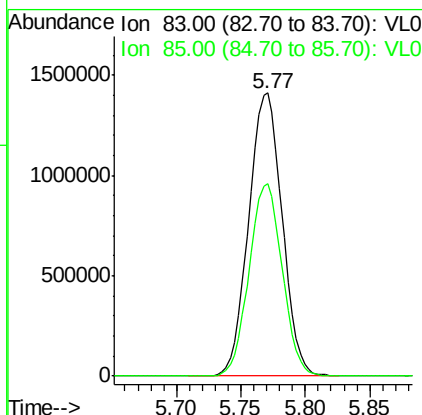
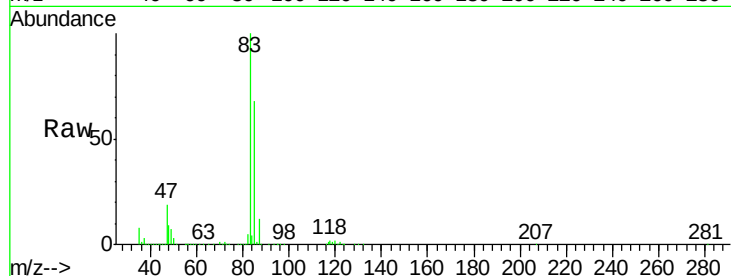
#29
Chloroform
Concen: 9.164 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2565672
Ion Ratio Lower Upper
83 100
85 68.0 52.7 79.1

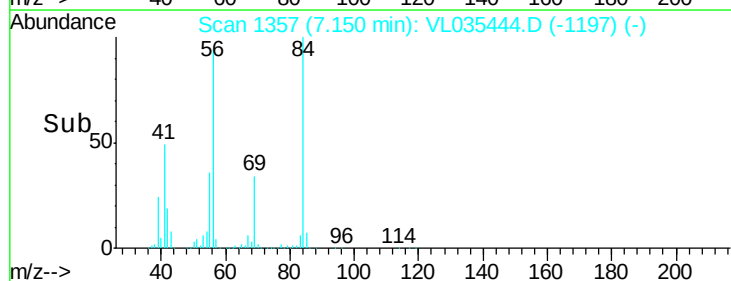
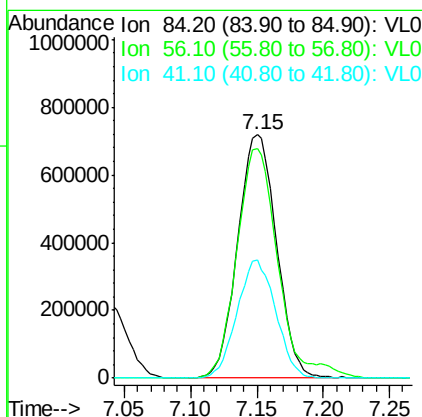
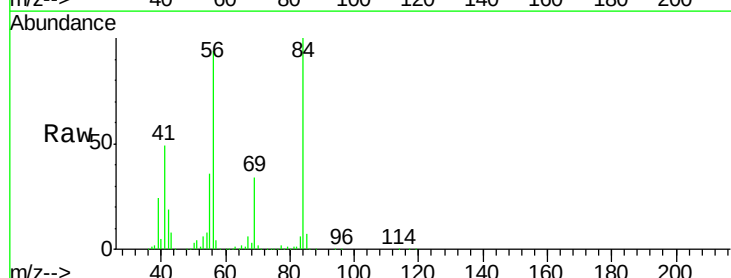
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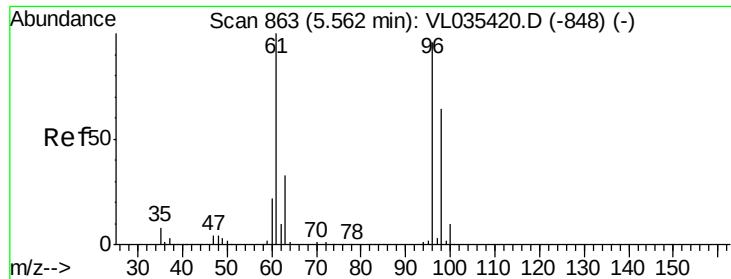
MMDadoda
8/20/2020 11:07:04 AM



#30
Cyclohexane
Concen: 9.491 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Tgt Ion: 84 Resp: 1467293
Ion Ratio Lower Upper
84 100
56 99.9 114.9 172.3#
41 47.9 72.3 108.5#





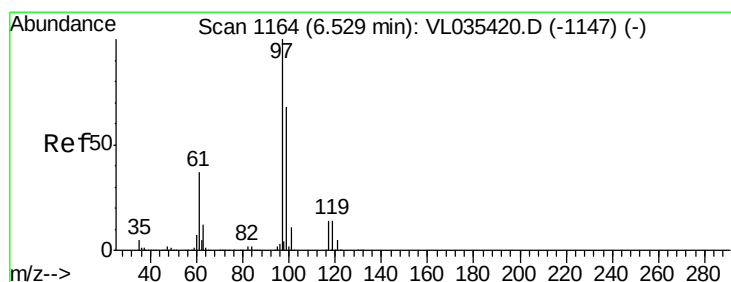
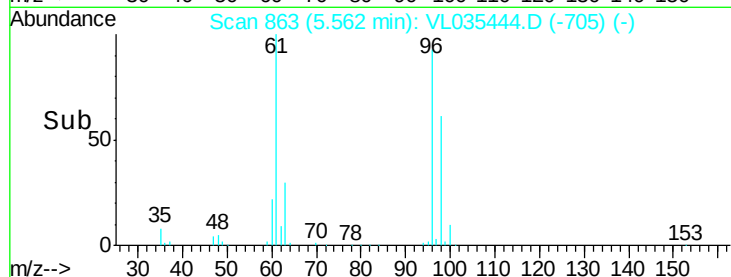
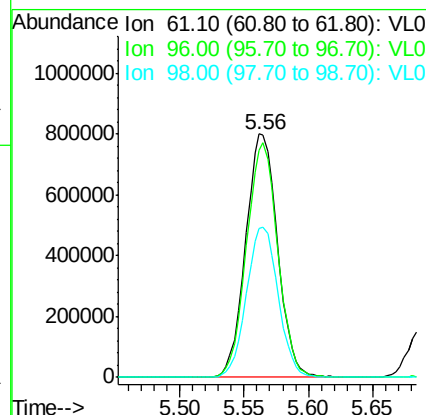
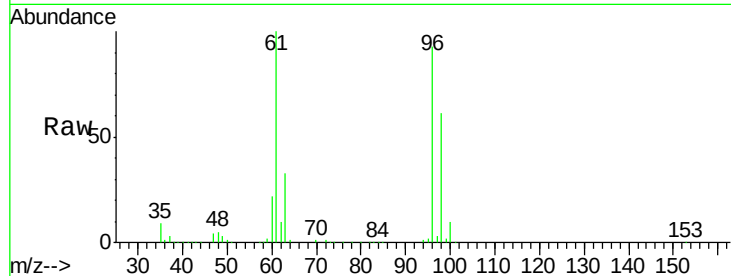
#31
 cis-1,2-Dichloroethene
 Concen: 9.399 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	93.2	51.4	77.0#
98	61.3	32.9	49.3#

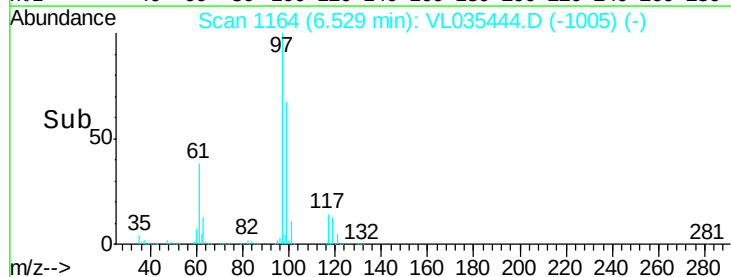
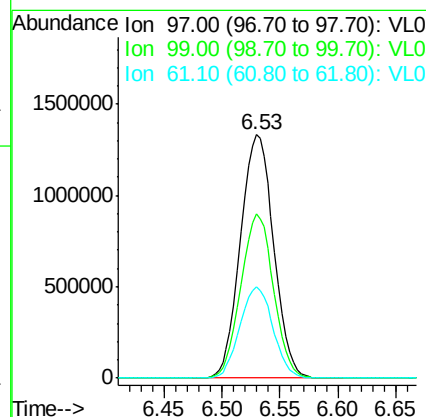
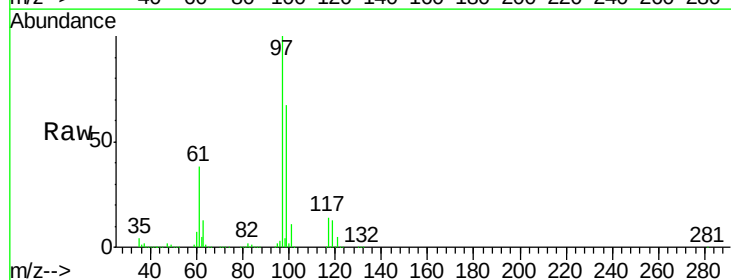
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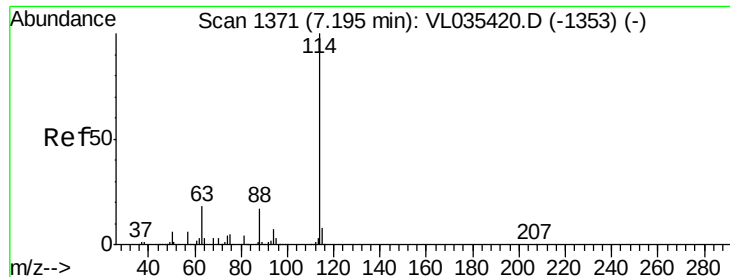
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#32
 1,1,1-Trichloroethane
 Concen: 10.095 ppbv
 RT: 6.53 min Scan# 1164
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.4	51.4	77.0
61	37.4	41.0	61.6#





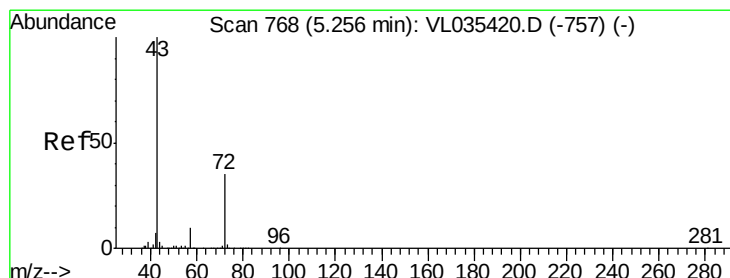
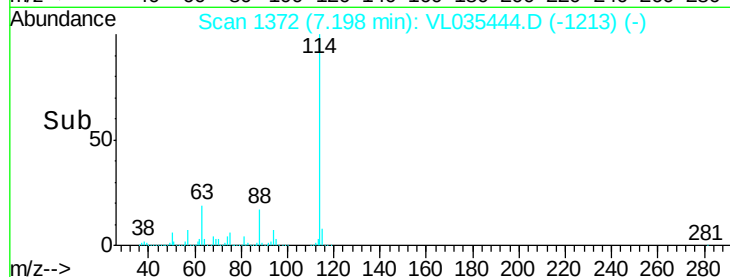
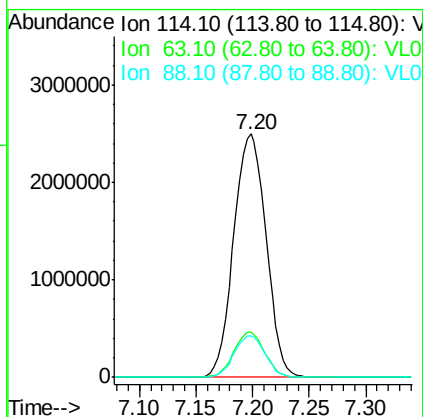
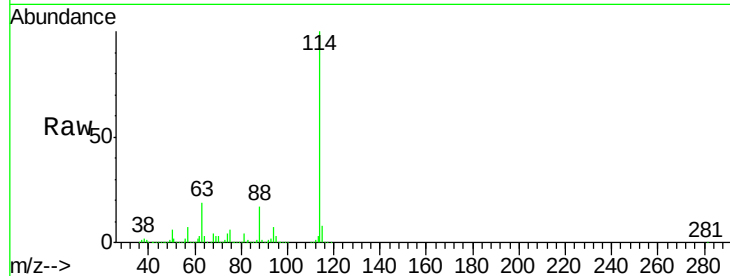
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 4992774
 Ion Ratio Lower Upper
 114 100
 63 17.8 23.1 34.7#
 88 16.5 15.9 23.9

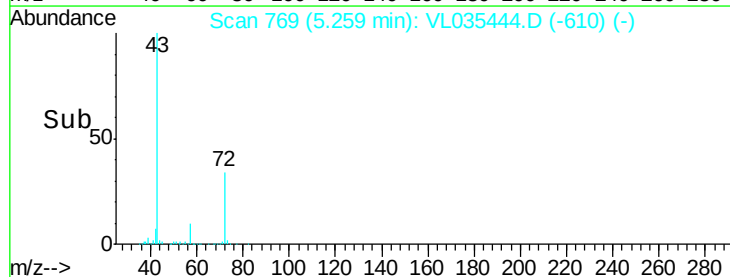
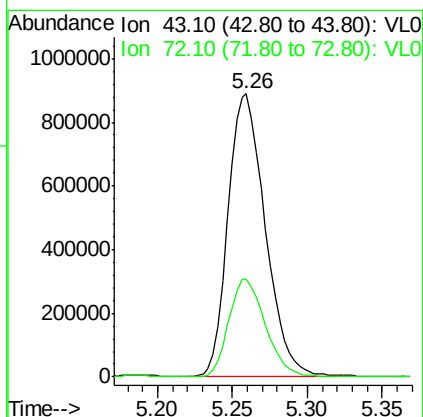
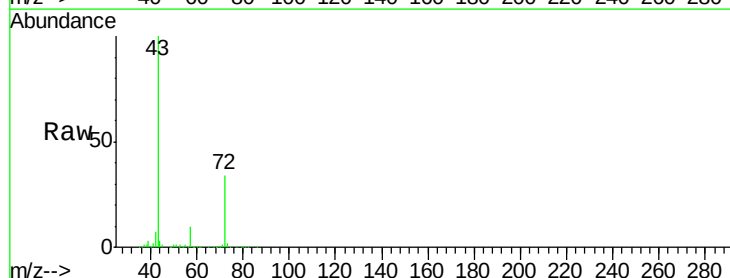
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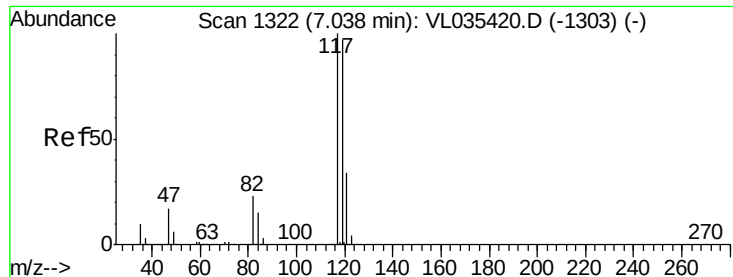
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#34
 2-Butanone
 Concen: 9.224 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

Tgt Ion: 43 Resp: 1538744
 Ion Ratio Lower Upper
 43 100
 72 34.3 17.6 26.4#





#35

Carbon Tetrachloride

Concen: 10.715 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2845402

Ion Ratio Lower Upper

117 100

119 97.9 76.1 114.1

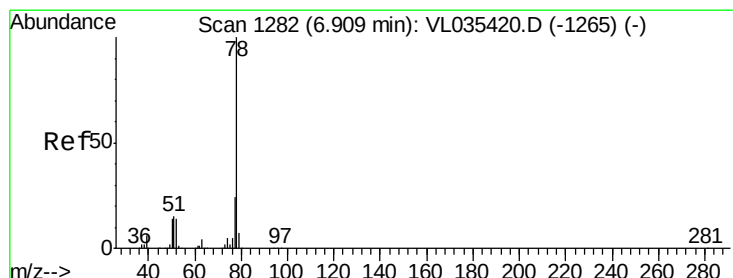
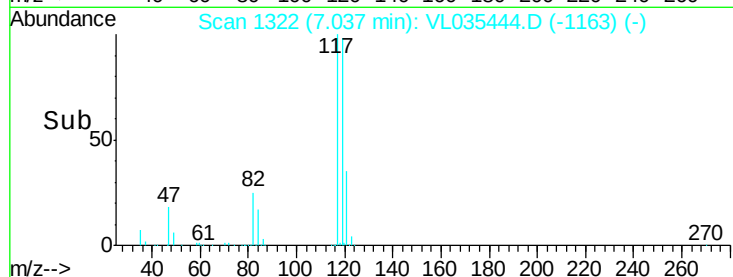
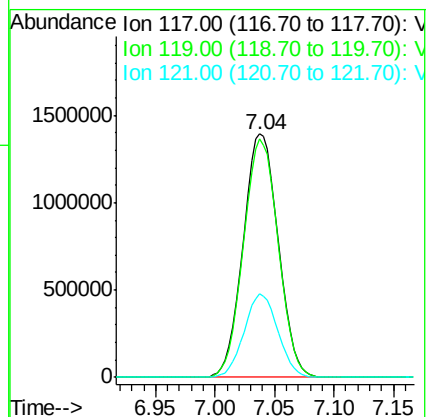
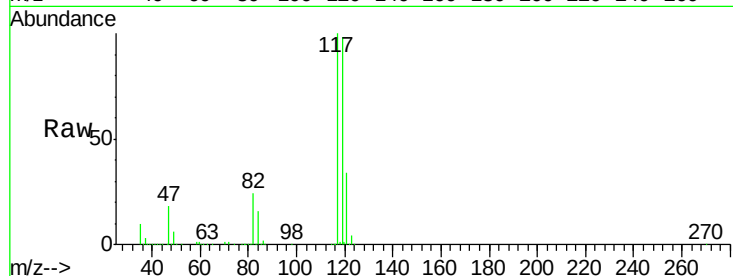
121 34.3 25.5 38.3

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#36

Benzene

Concen: 9.102 ppbv

RT: 6.91 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

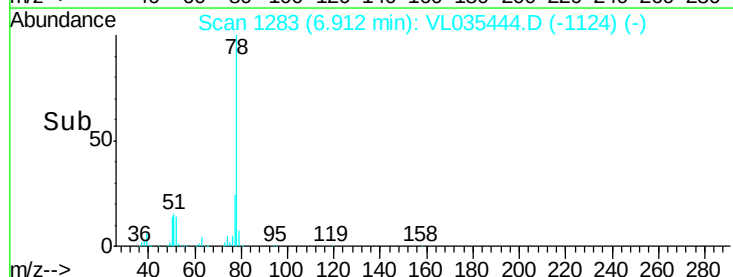
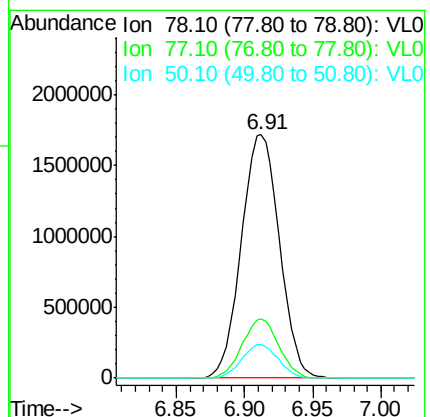
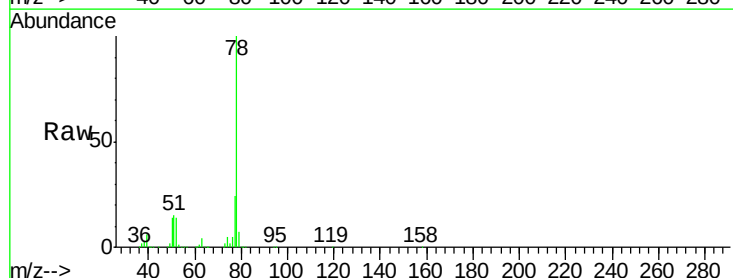
Tgt Ion: 78 Resp: 3335492

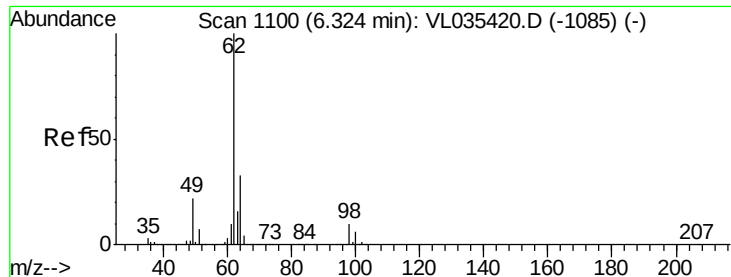
Ion Ratio Lower Upper

78 100

77 24.4 19.6 29.4

50 14.0 16.3 24.5#





#37

1,2-Dichloroethane

Concen: 9.469 ppbv

RT: 6.33 min Scan# 1101

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 1585673

Ion Ratio Lower Upper

62 100

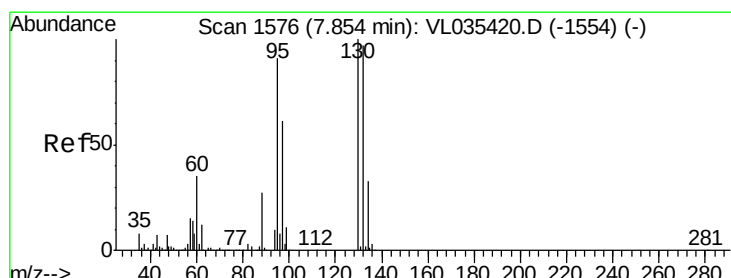
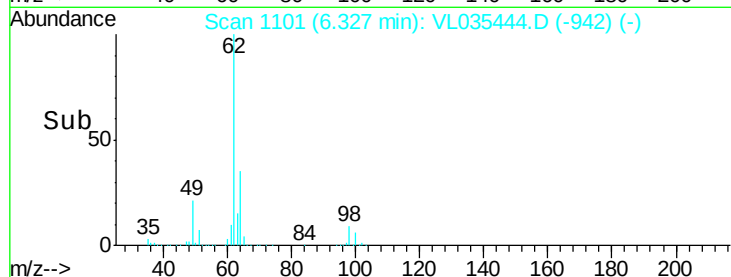
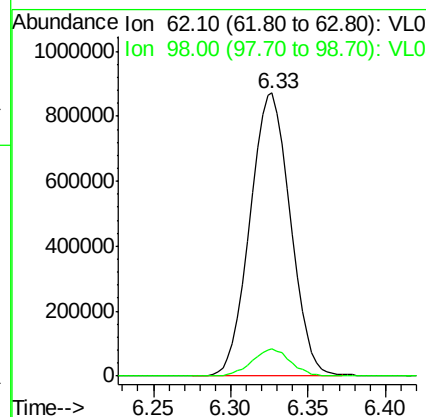
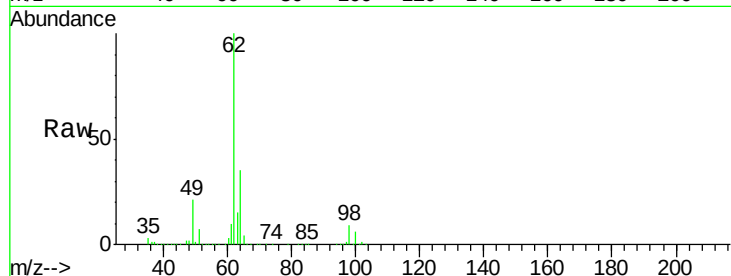
98 9.2 4.6 7.0#

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#38

Trichloroethene

Concen: 9.187 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Tgt Ion: 130 Resp: 1872615

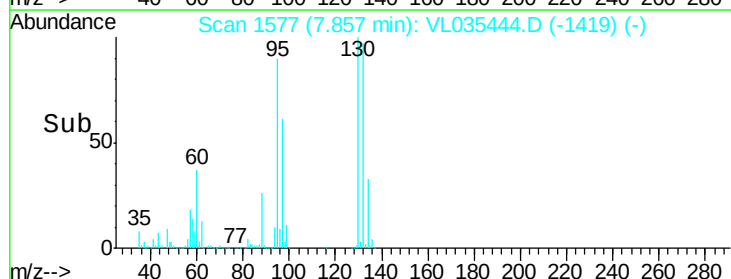
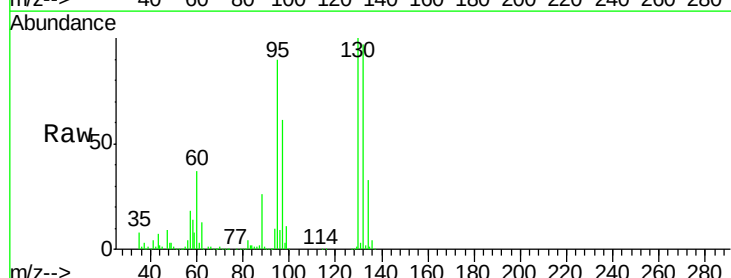
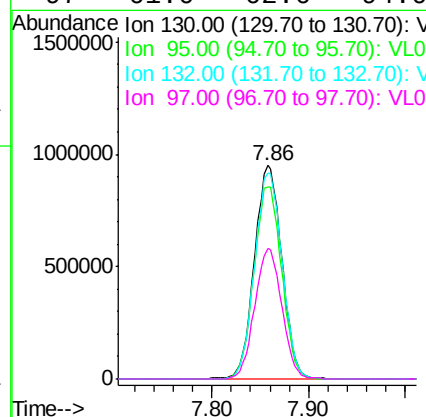
Ion Ratio Lower Upper

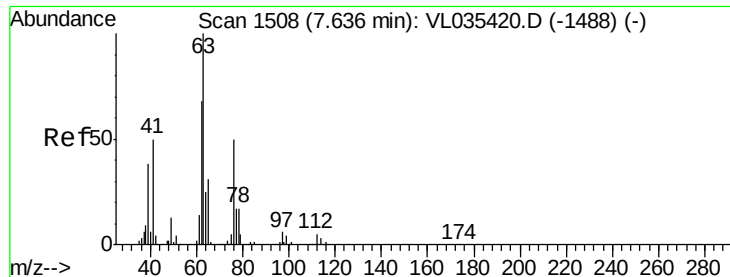
130 100

95 89.8 95.8 143.8#

132 96.6 74.3 111.5

97 61.0 62.6 94.0#





#39

1,2-Dichloropropane

Concen: 9.310 ppbv

RT: 7.64 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 1124363

Ion Ratio Lower Upper

63 100

41 52.5 61.1 91.7#

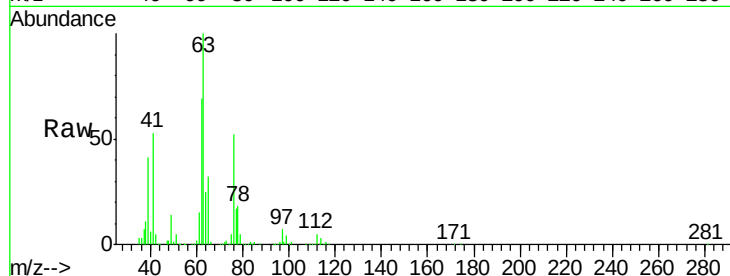
62 68.5 55.3 82.9

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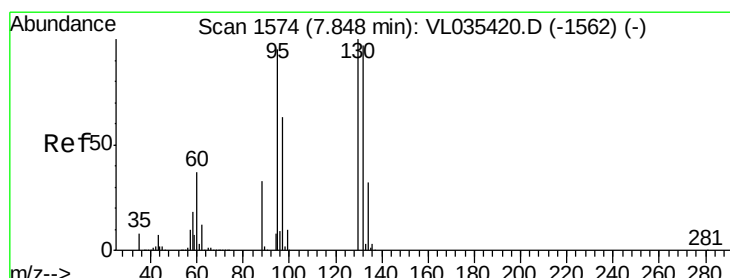
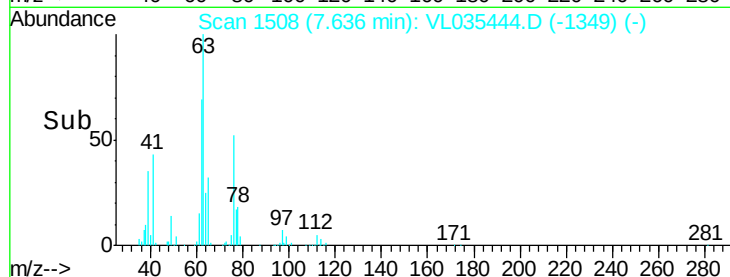
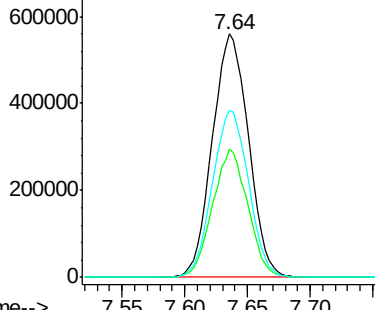
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Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.761 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Tgt Ion: 88 Resp: 576335

Ion Ratio Lower Upper

88 100

58 89.7 106.6 160.0#

43 0.0 209.7 314.5#

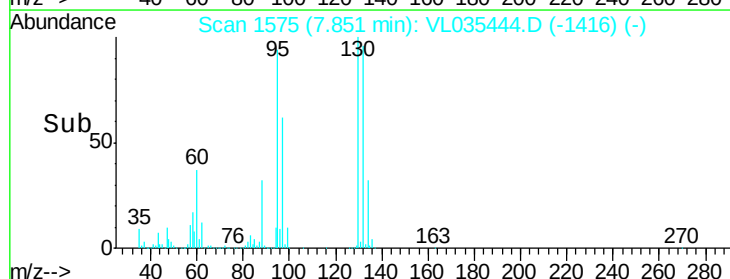
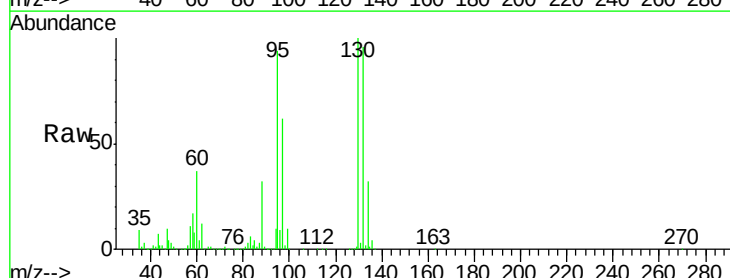
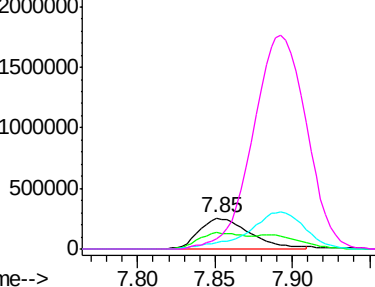
57 0.0 873.3 1309.9#

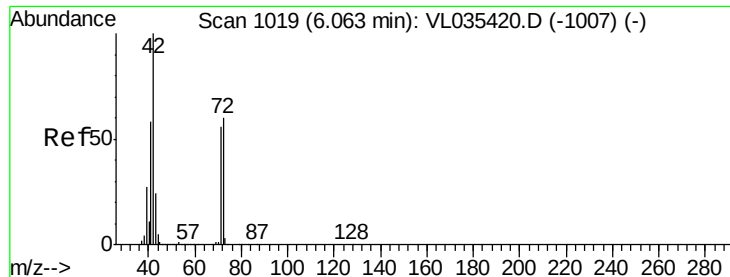
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 9.693 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

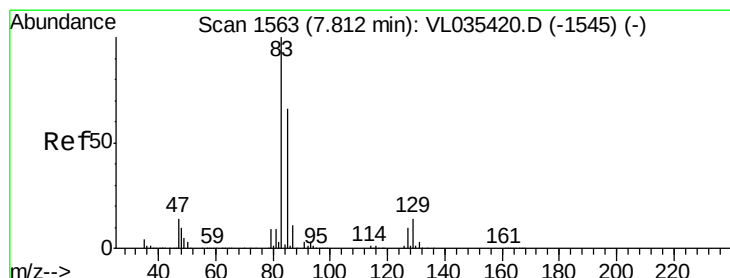
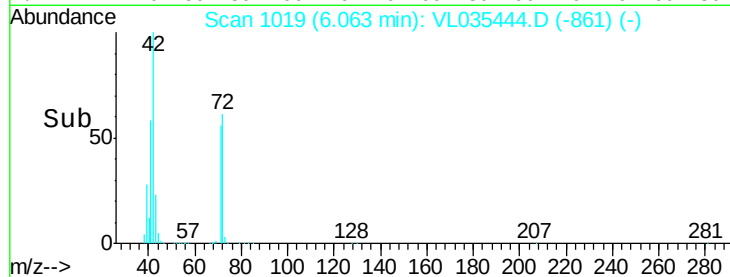
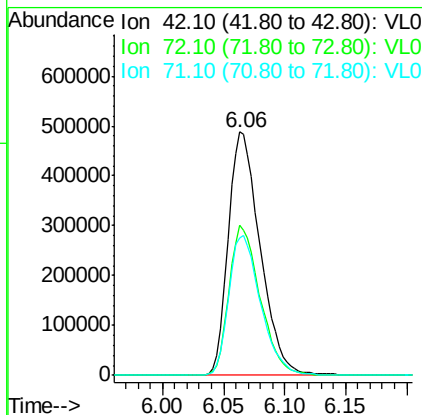
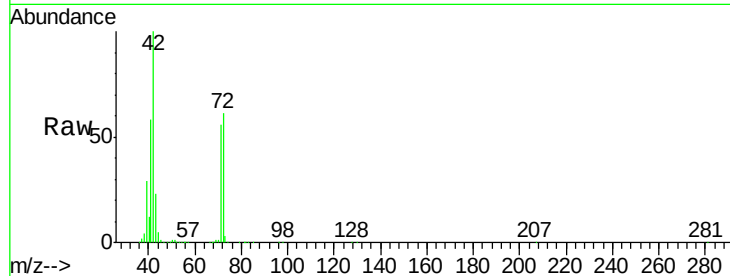
ClientSampleId :

VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	60.3	29.4	44.2#
71	57.3	28.9	43.3#

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#42

Bromodichloromethane

Concen: 9.847 ppbv

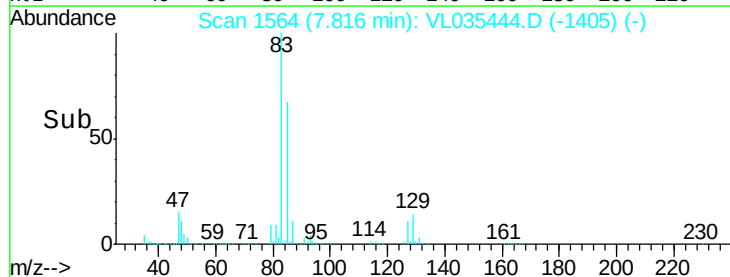
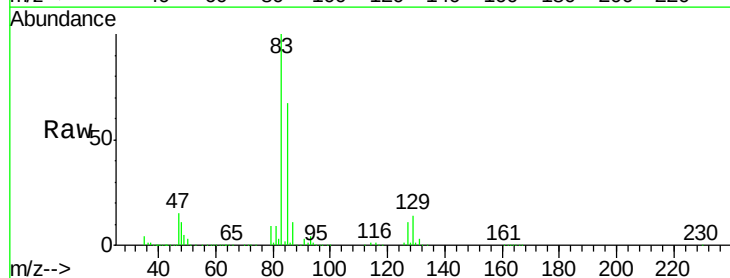
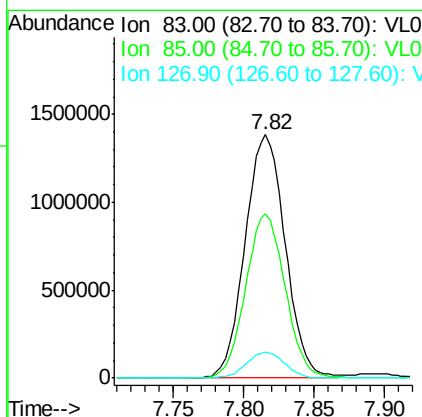
RT: 7.82 min Scan# 1564

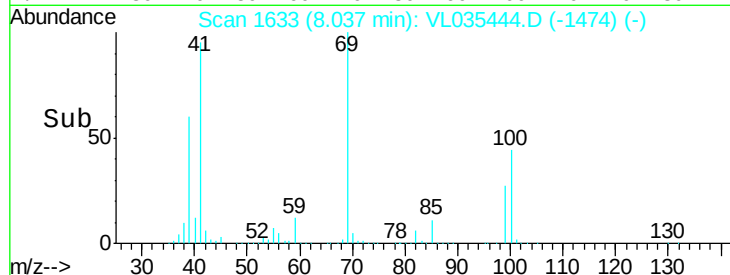
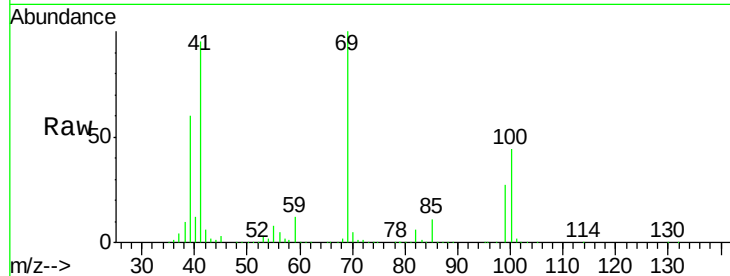
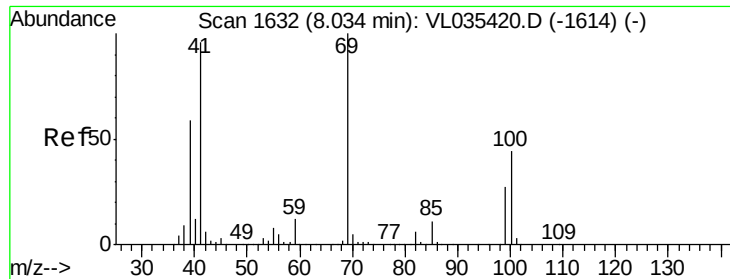
Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	54.8	82.2
127	10.6	6.1	9.1#





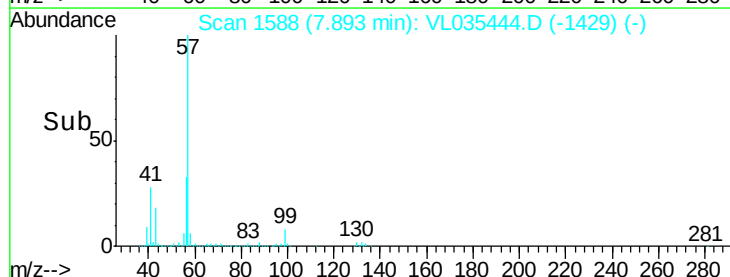
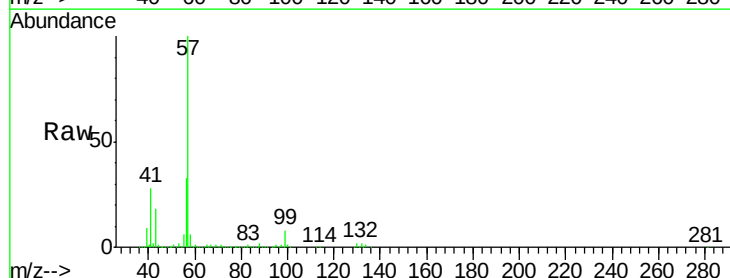
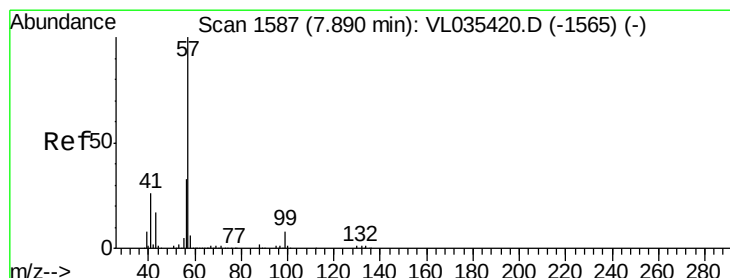
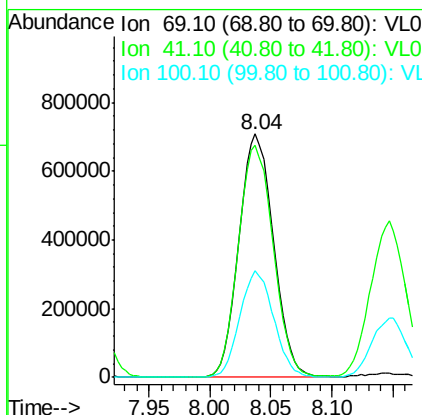
#43
Methyl Methacrylate
Concen: 9.692 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Tot Ion: 69 Resp: 1388816
Ion Ratio Lower Upper
69 100
41 96.4 123.4 185.0#
100 42.9 24.2 36.4#

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

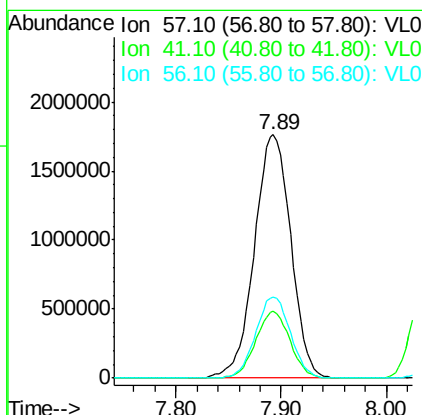
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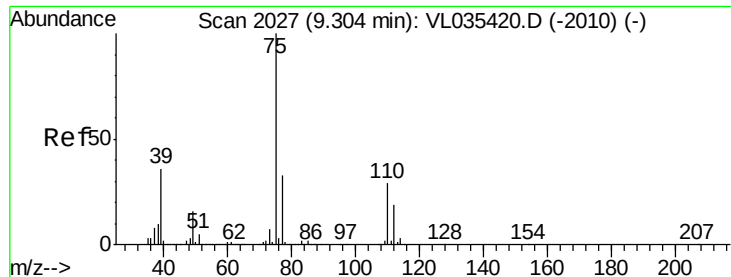
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#44
2,2,4-Trimethylpentane
Concen: 8.860 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Tgt Ion: 57 Resp: 4239940
Ion Ratio Lower Upper
57 100
41 25.9 27.2 40.8#
56 31.9 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 10.963 ppbv

RT: 9.30 min Scan# 2027

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Tot Ion: 75 Resp: 1618181

Ion Ratio Lower Upper

75 100

77 32.8 25.0 37.6

Instrument :

MSVOA_L

ClientSampleId :

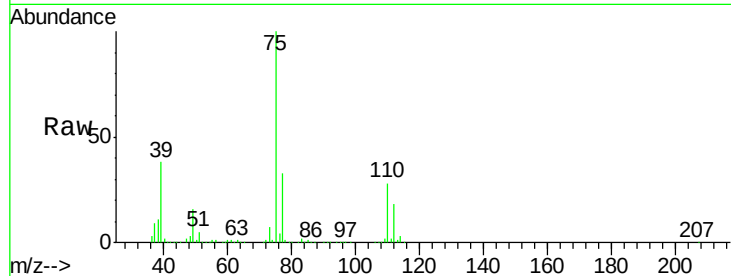
VSTDCCC010

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.30

800000

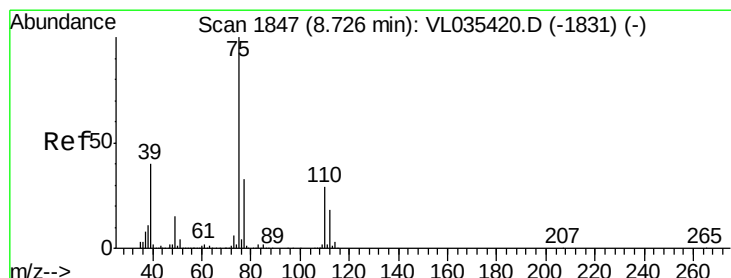
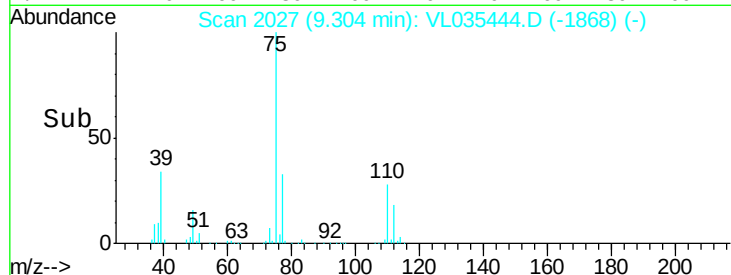
600000

400000

200000

0

Time--> 9.20 9.25 9.30 9.35 9.40



#46

cis-1,3-Dichloropropene

Concen: 10.393 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

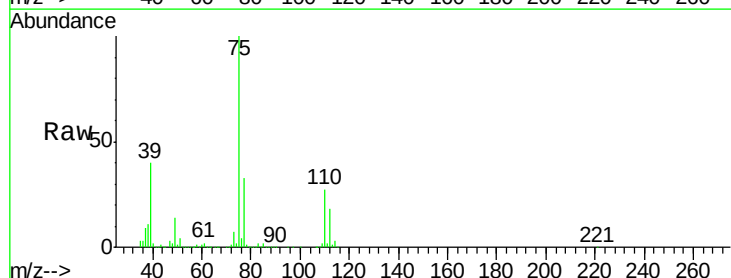
Tgt Ion: 75 Resp: 1911162

Ion Ratio Lower Upper

75 100

39 39.8 55.8 83.6#

77 32.5 25.6 38.4



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

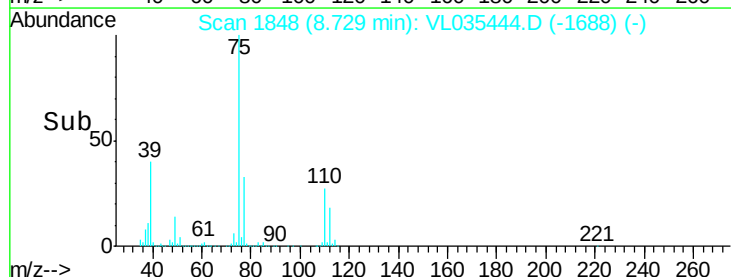
8.73

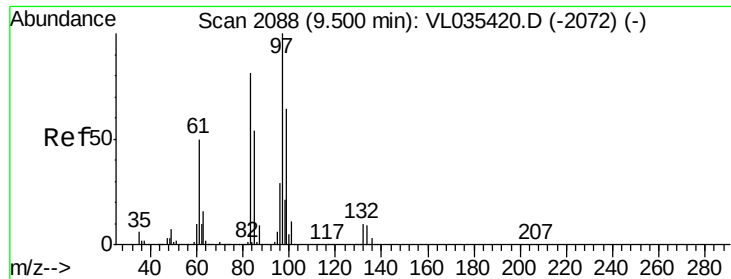
1000000

500000

0

Time--> 8.65 8.70 8.75 8.80





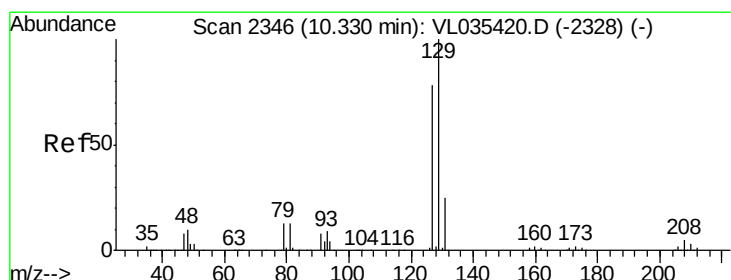
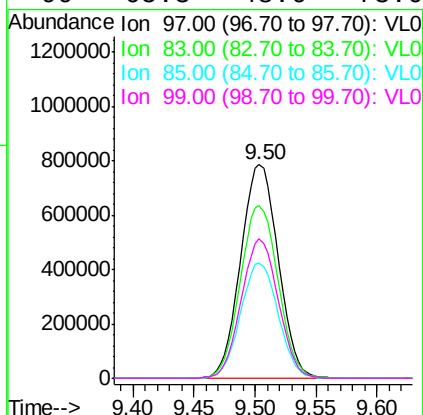
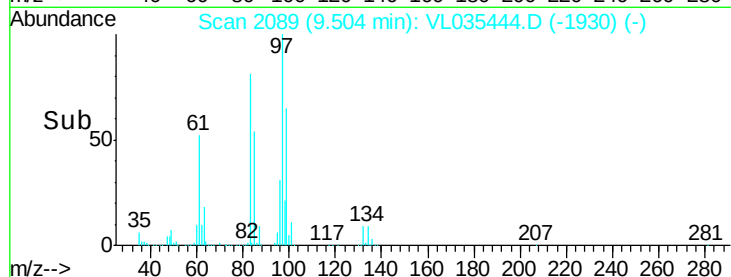
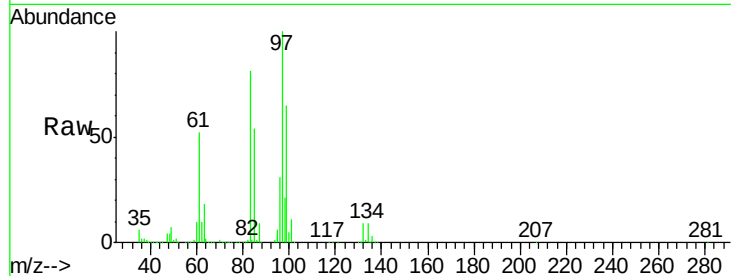
#47
 1,1,2-Trichloroethane
 Concen: 9.264 ppbv
 RT: 9.50 min Scan# 2089
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	80.8	72.1	108.1	
85	53.9	46.8	70.2	
99	65.3	48.6	73.0	

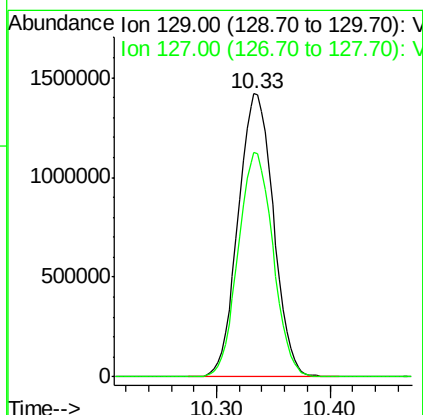
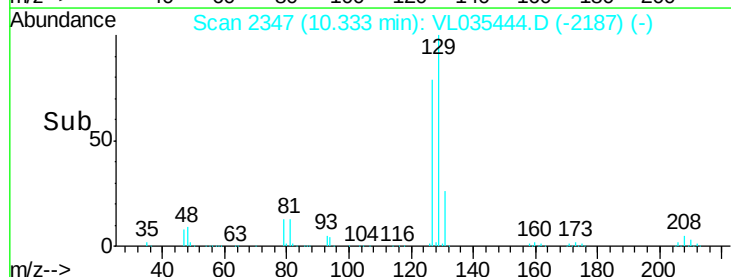
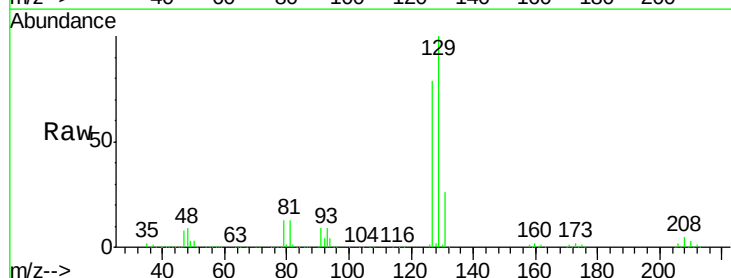
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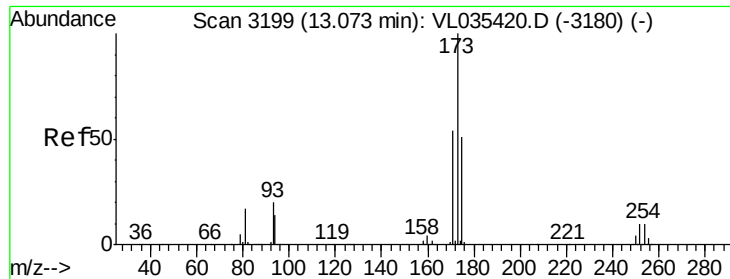
MMDadoda
 8/20/2020 11:07:04 AM



#48
 Dibromochloromethane
 Concen: 10.200 ppbv
 RT: 10.33 min Scan# 2347
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.3	39.5	118.5	





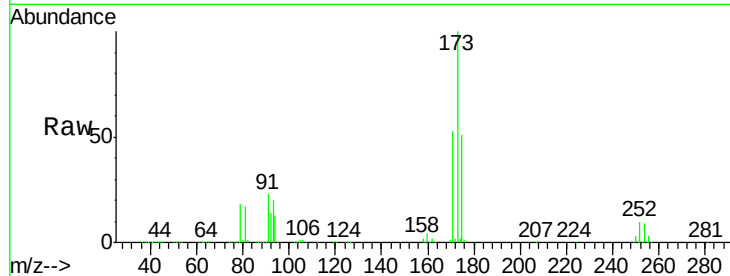
#49
Bromoform
Concen: 10.646 ppbv
RT: 13.08 min Scan# 3200
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

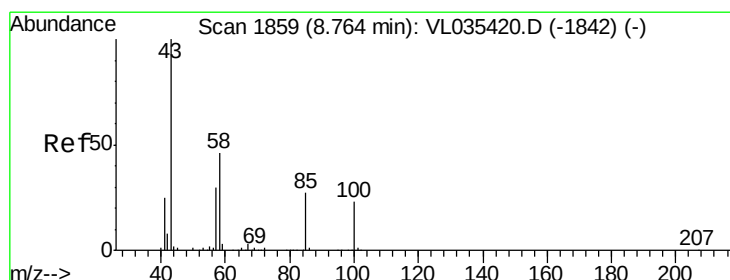
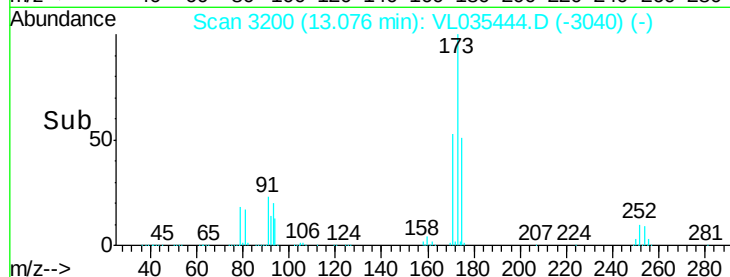
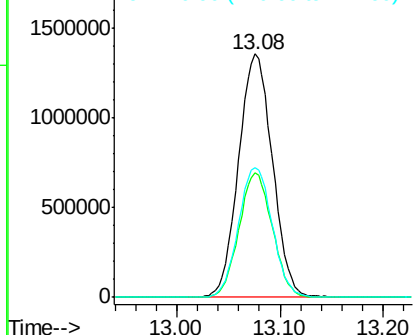
Tot Ion:173 Resp: 3103435
Ion Ratio Lower Upper
173 100
175 50.4 39.8 59.8
171 53.3 42.4 63.6

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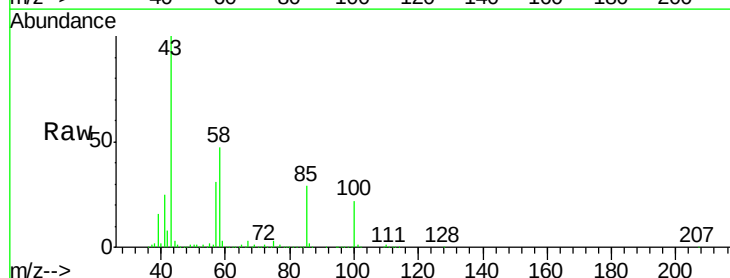


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

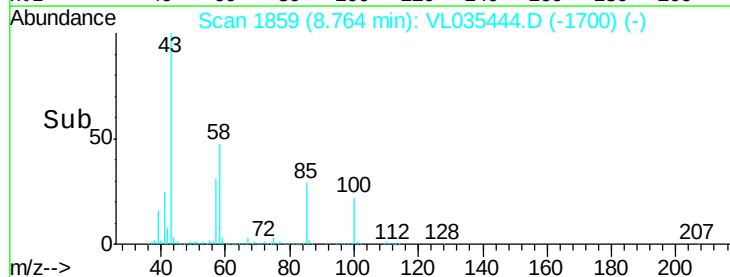
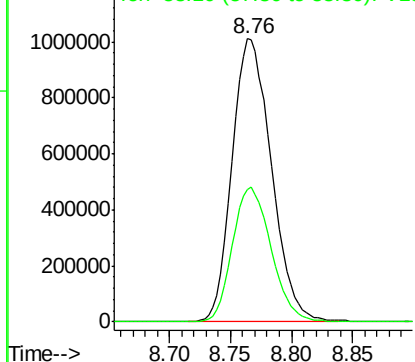


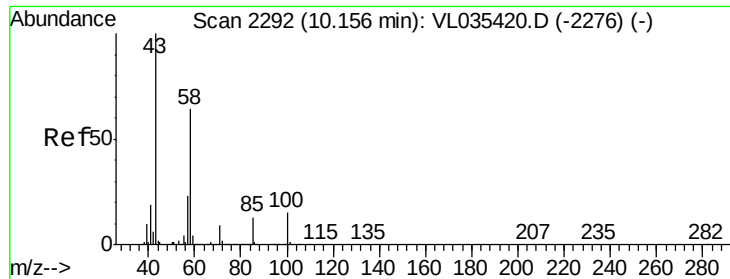
#50
4-Methyl-2-Pentanone
Concen: 9.431 ppbv
RT: 8.76 min Scan# 1859
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Tgt Ion: 43 Resp: 2256761
Ion Ratio Lower Upper
43 100
58 47.0 28.7 43.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





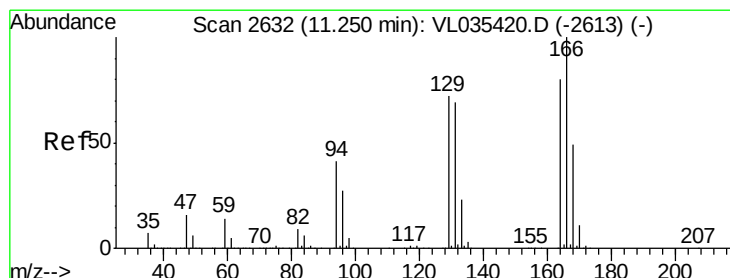
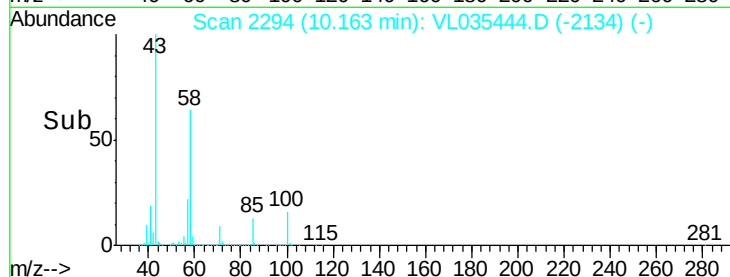
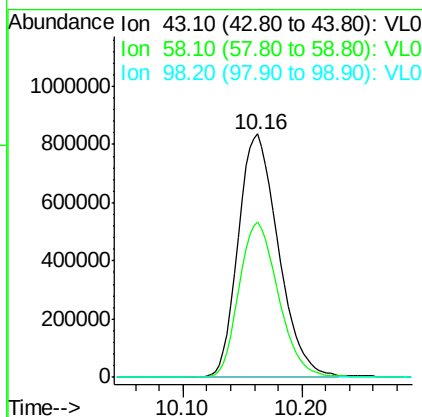
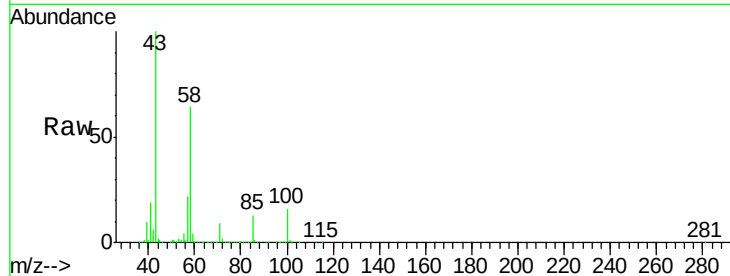
#51
2-Hexanone
Concen: 9.674 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1951269
Ion Ratio Lower Upper
43 100
58 62.9 38.6 58.0#
98 0.4 0.2 0.2#

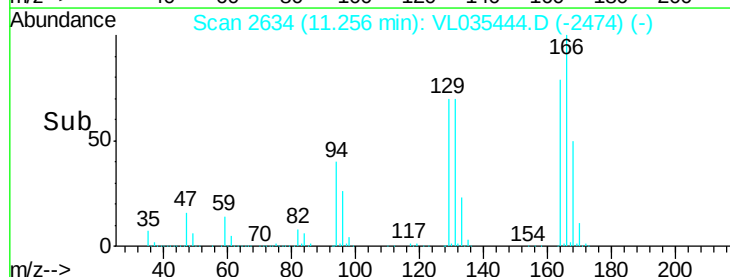
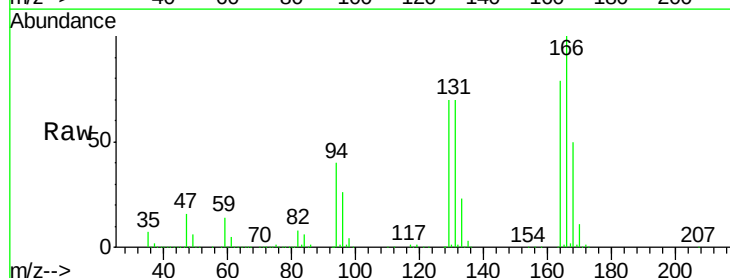
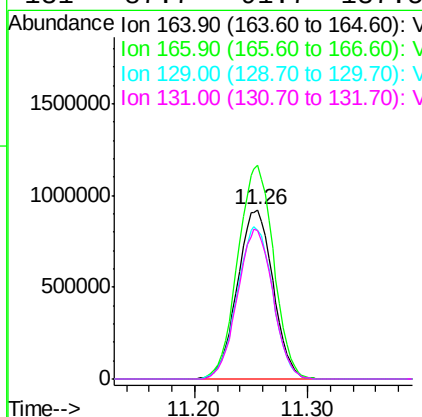
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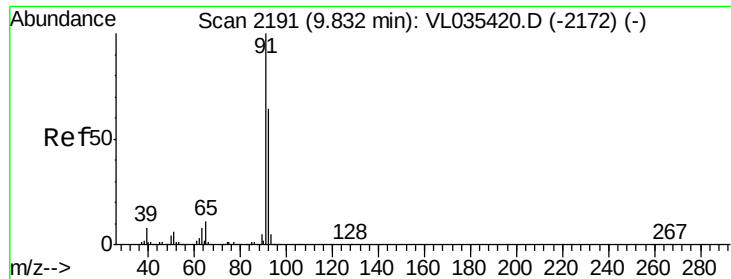
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#52
Tetrachloroethene
Concen: 9.063 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Tgt Ion: 164 Resp: 2025798
Ion Ratio Lower Upper
164 100
166 126.0 103.4 155.0
129 87.9 90.2 135.4#
131 87.7 91.7 137.5#





#53

Toluene

Concen: 9.158 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4322301

Ion Ratio Lower Upper

91 100

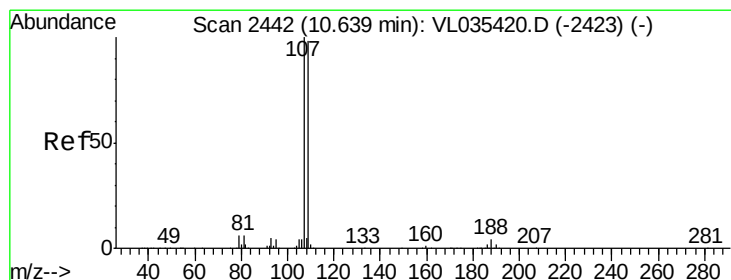
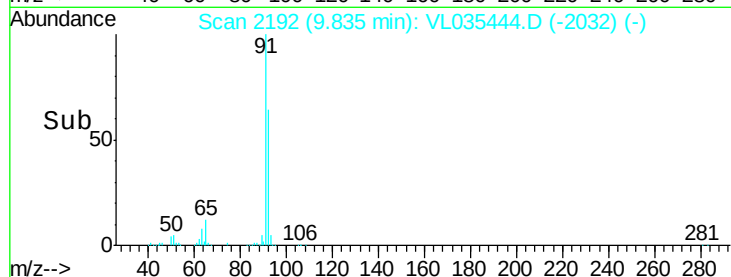
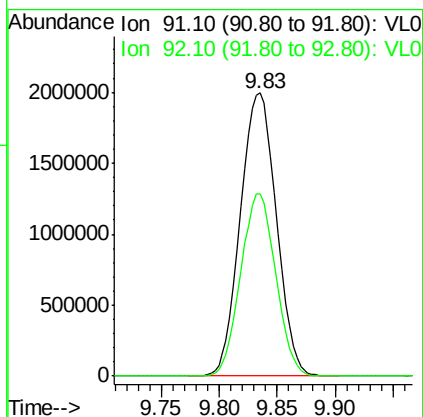
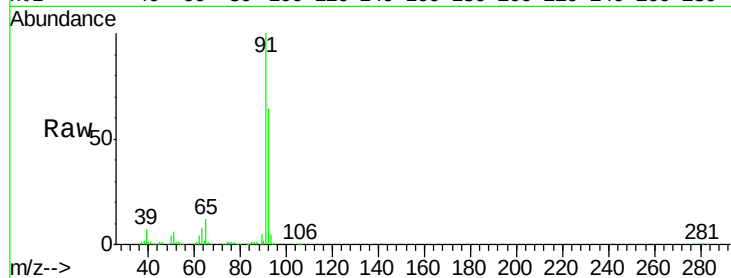
92 62.7 49.1 73.7

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#54

1,2-Dibromoethane

Concen: 9.299 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.01 min

Lab File: VL035444.D

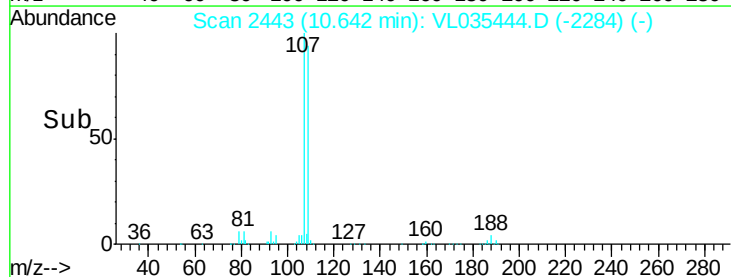
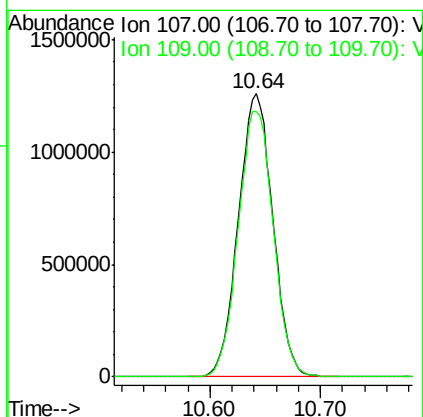
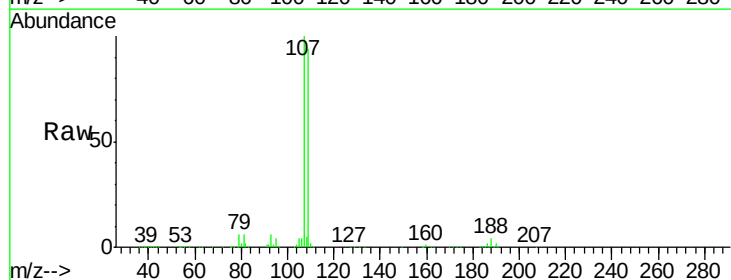
Acq: 18 Aug 2020 15:01

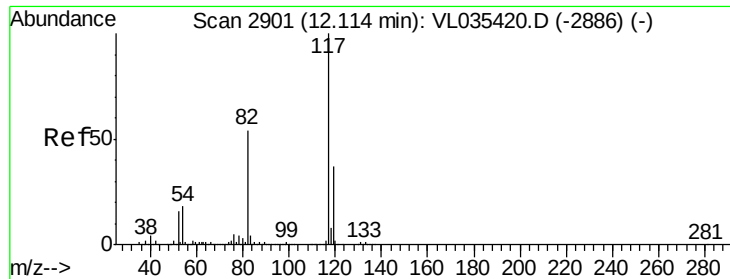
Tgt Ion: 107 Resp: 2724422

Ion Ratio Lower Upper

107 100

109 93.7 75.1 112.7





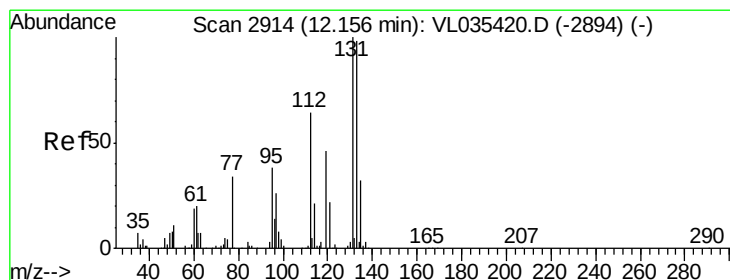
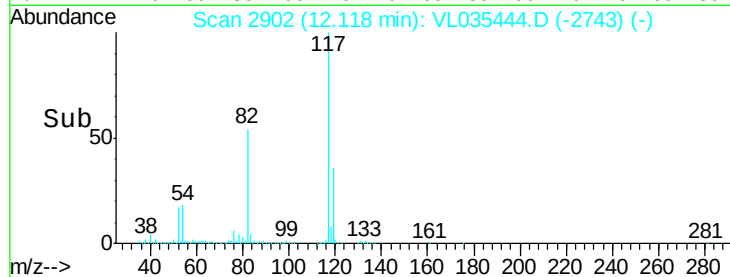
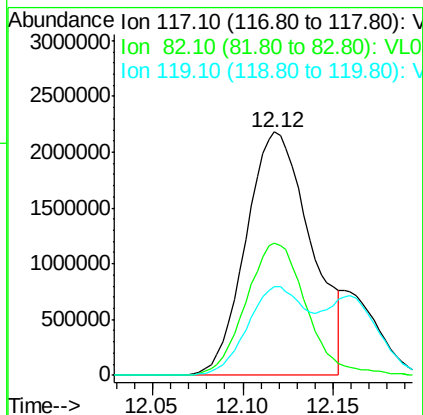
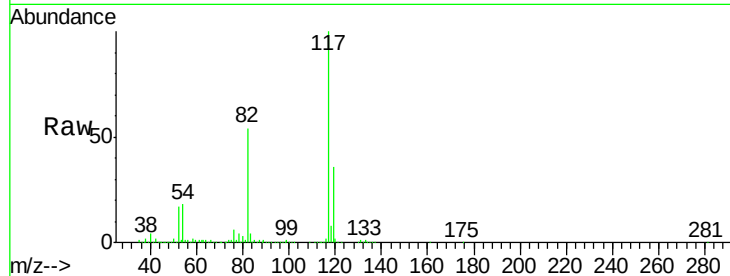
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.12 min Scan# 2902
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 5454782
Ion Ratio Lower Upper
117 100
82 50.5 57.4 86.0#
119 35.1 28.4 42.6

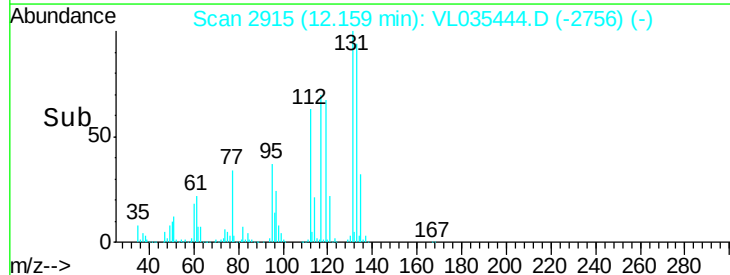
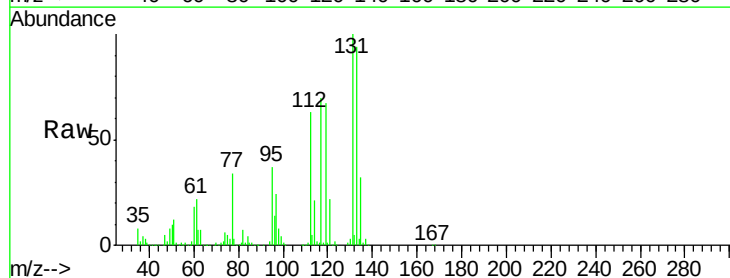
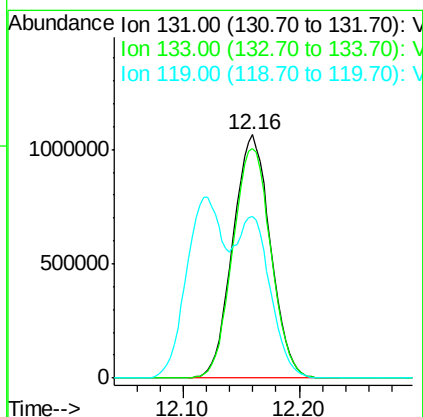
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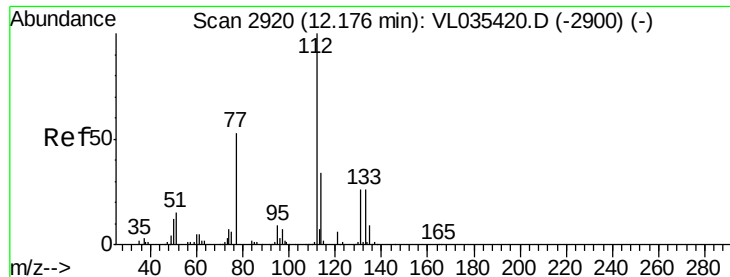
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.222 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Tgt Ion:131 Resp: 2386159
Ion Ratio Lower Upper
131 100
133 96.2 76.1 114.1
119 61.5 50.7 76.1





#57

Chlorobenzene

Concen: 8.335 ppbv

RT: 12.18 min Scan# 2921

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:112 Resp: 3795207

Ion Ratio Lower Upper

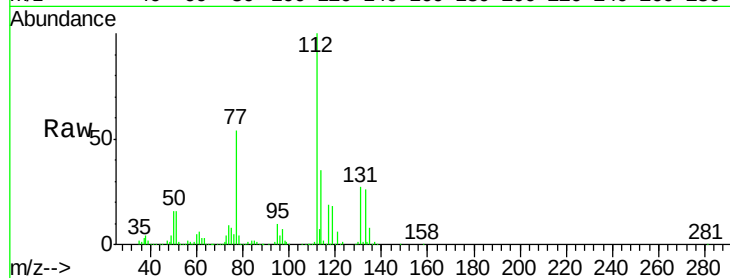
112 100

77 54.4 60.6 91.0#

114 35.1 28.5 34.9#

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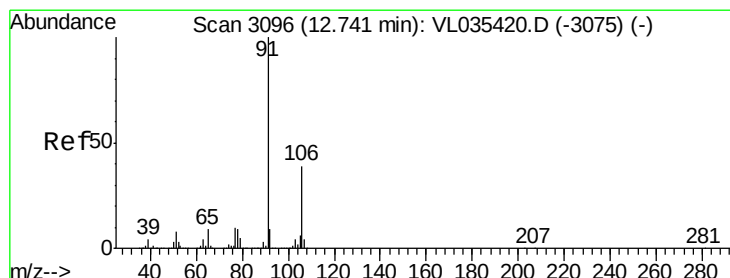
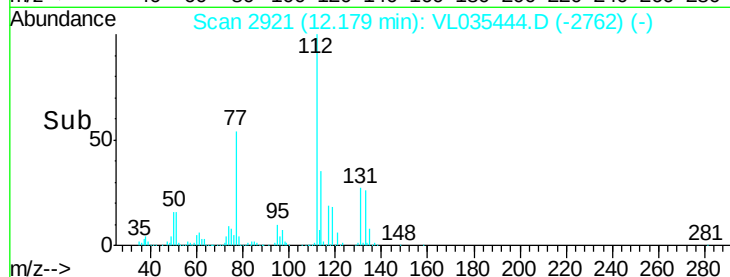
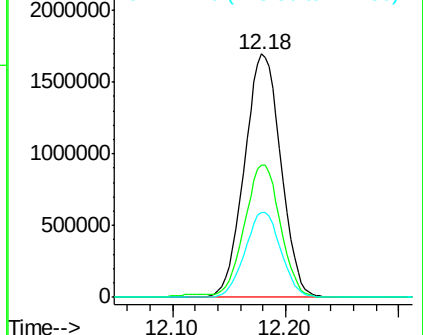
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.571 ppbv

RT: 12.74 min Scan# 3097

Delta R.T. 0.01 min

Lab File: VL035444.D

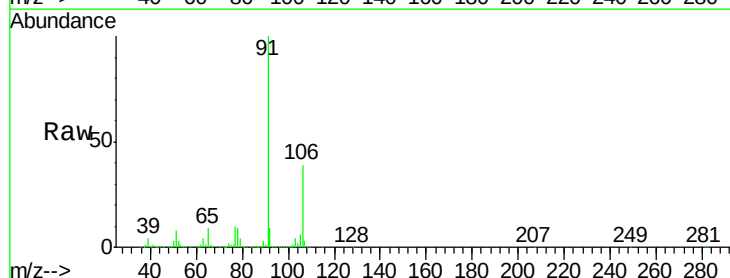
Acq: 18 Aug 2020 15:01

Tgt Ion: 91 Resp: 5643605

Ion Ratio Lower Upper

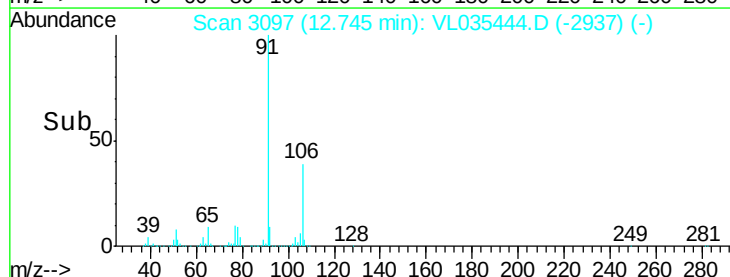
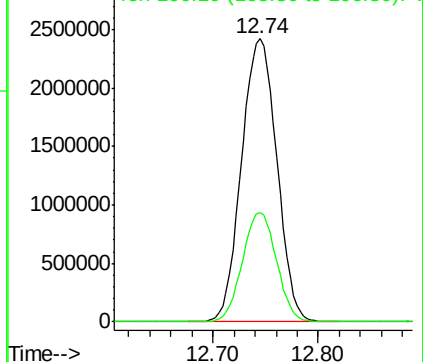
91 100

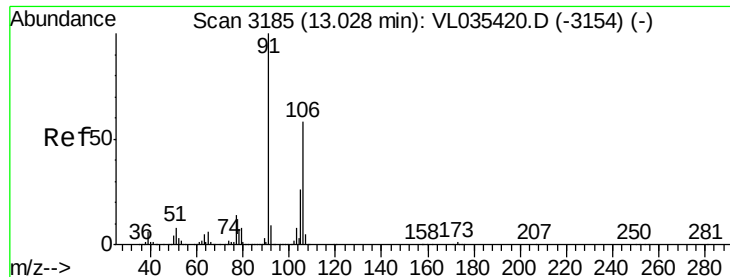
106 38.7 24.1 36.1#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





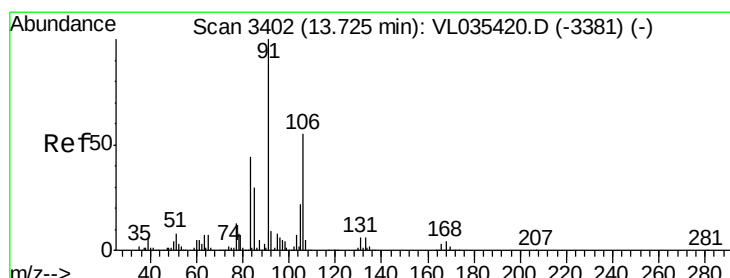
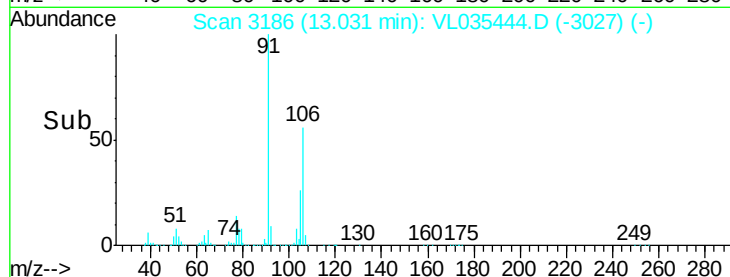
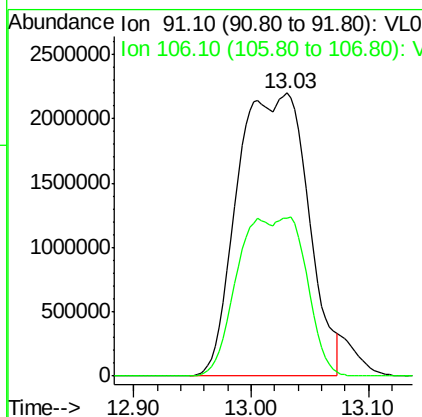
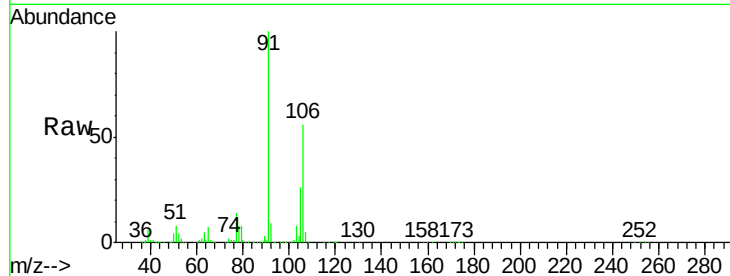
#59
m/p-Xylene
Concen: 16.451 ppbv m
RT: 13.03 min Scan# 3186
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 9157084
Ion Ratio Lower Upper
91 100
106 54.4 34.0 51.0#

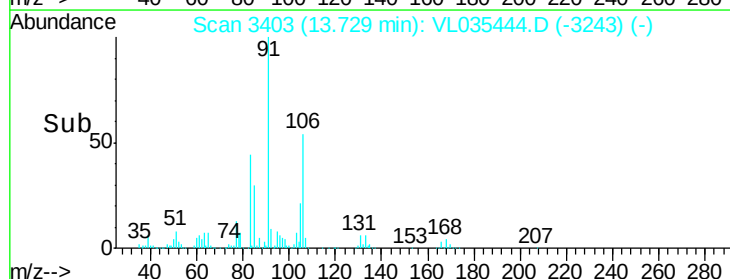
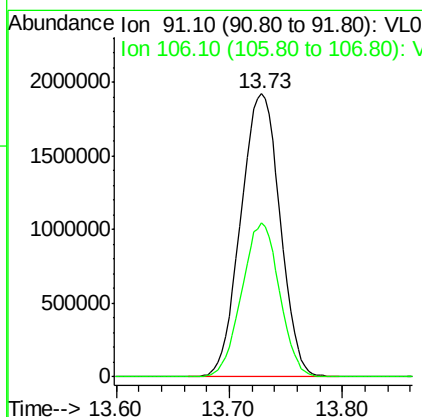
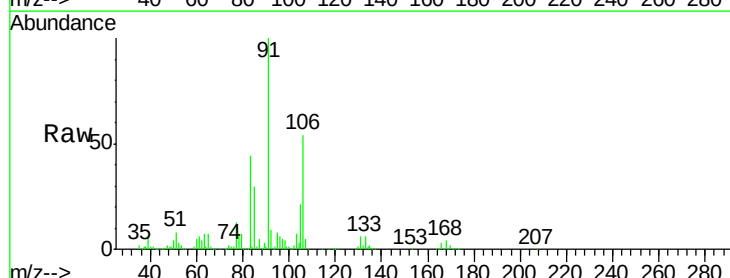
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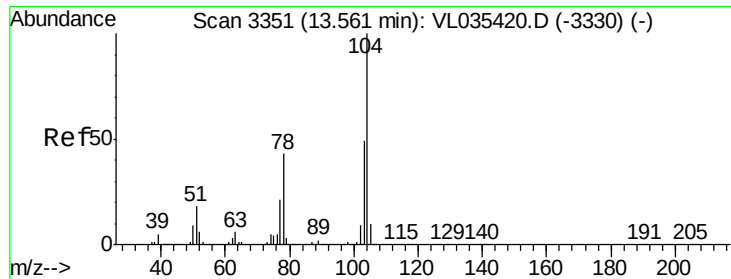
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#60
o-Xylene
Concen: 8.570 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Tgt Ion: 91 Resp: 4636504
Ion Ratio Lower Upper
91 100
106 52.3 21.8 65.3





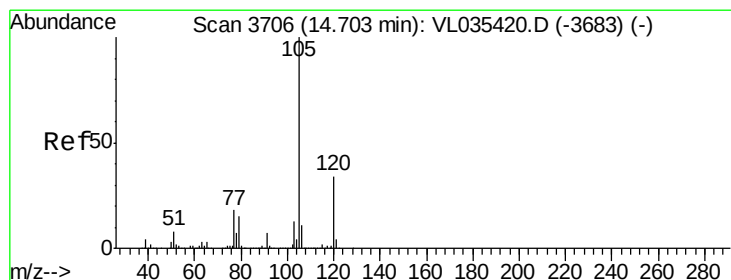
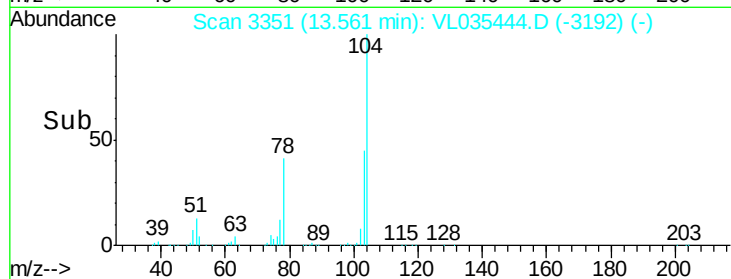
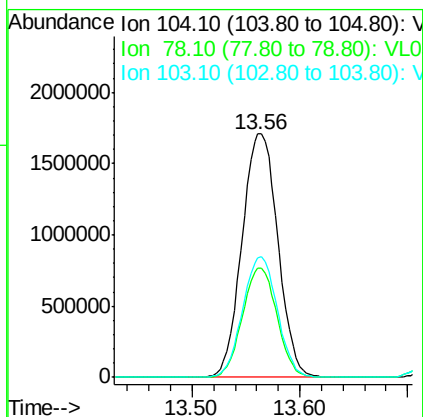
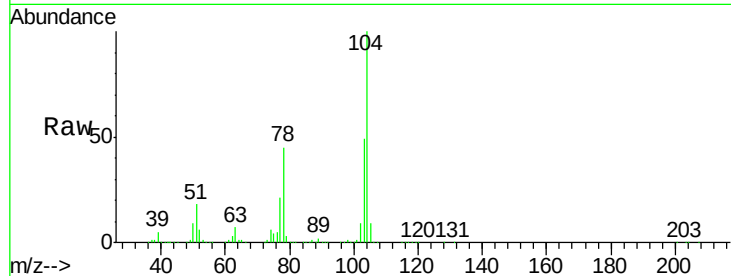
#61
Stvrene
Concen: 9.027 ppbv
RT: 13.56 min Scan# 3351
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	43.4	45.4	68.2#
103	48.0	37.8	56.8

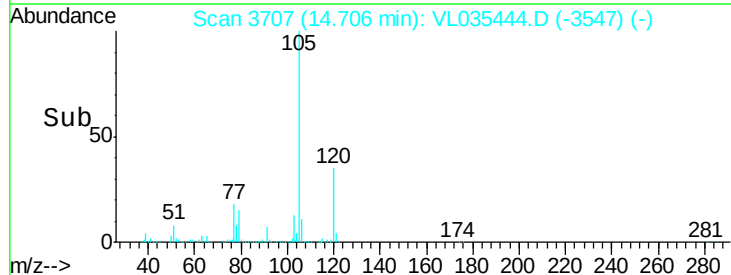
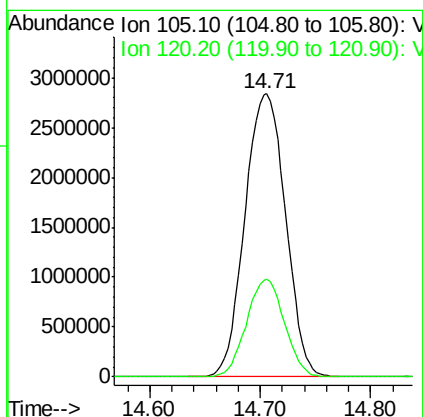
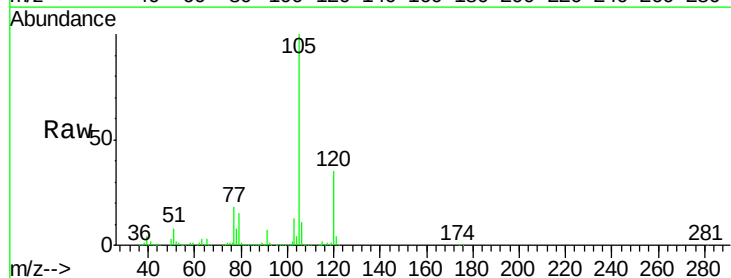
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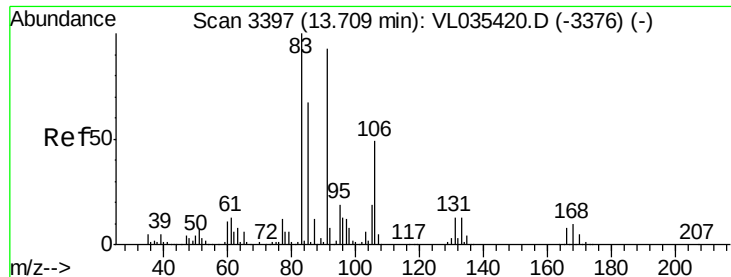
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#62
Isopropylbenzene
Concen: 8.162 ppbv
RT: 14.71 min Scan# 3707
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	32.2	20.3	30.5#





#63

1,1,2,2-Tetrachloroethane

Concen: 8.325 ppbv

RT: 13.71 min Scan# 3398

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 3235096

Ion Ratio Lower Upper

83 100

131 12.8 4.5 13.4

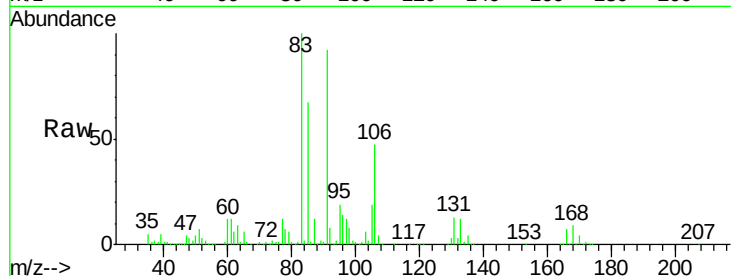
85 66.9 32.7 98.1

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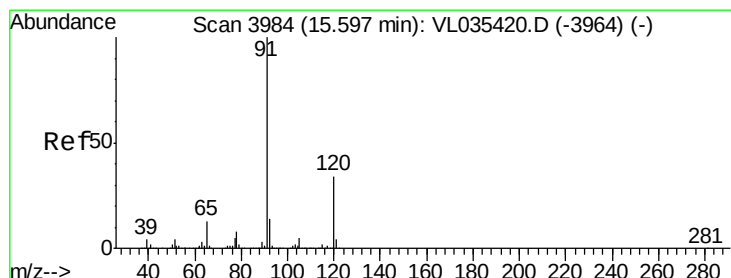
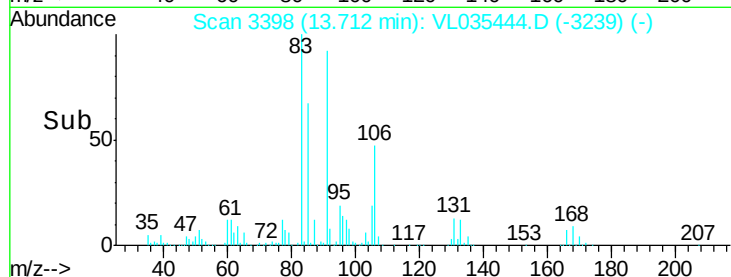
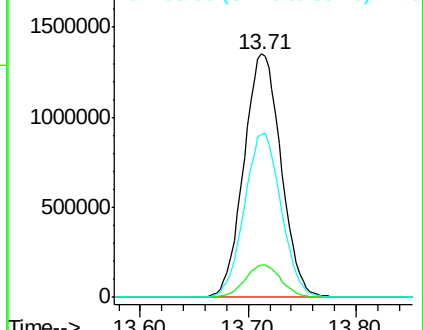
8/20/2020 11:07:04 AM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.863 ppbv

RT: 15.60 min Scan# 3985

Delta R.T. 0.01 min

Lab File: VL035444.D

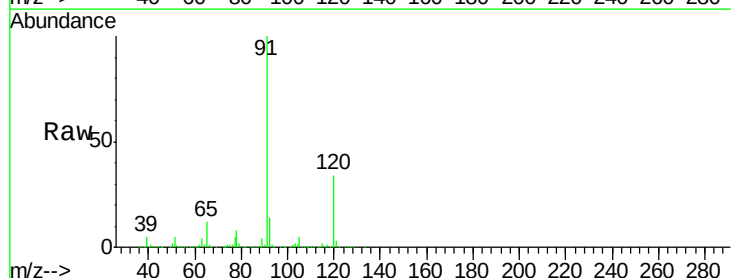
Acq: 18 Aug 2020 15:01

Tgt Ion: 120 Resp: 2422158

Ion Ratio Lower Upper

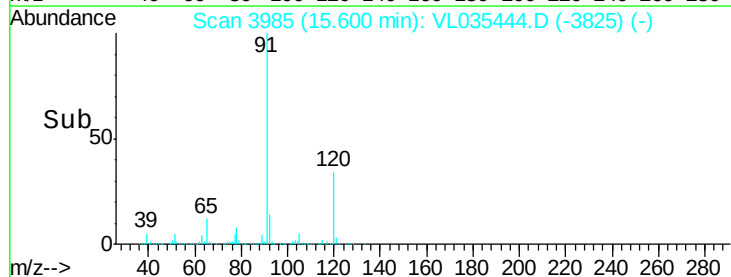
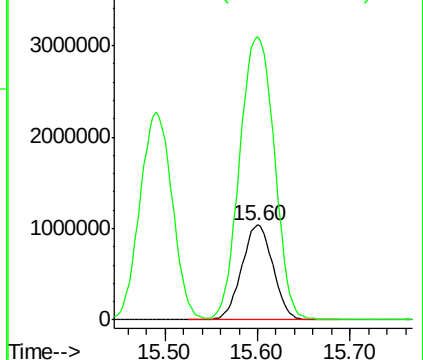
120 100

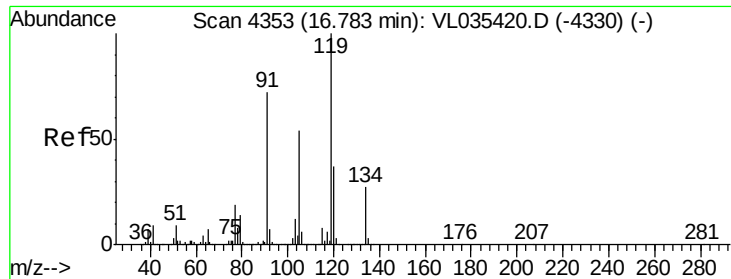
91 333.0 385.5 578.3#



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.195 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 7060764

Ion Ratio Lower Upper

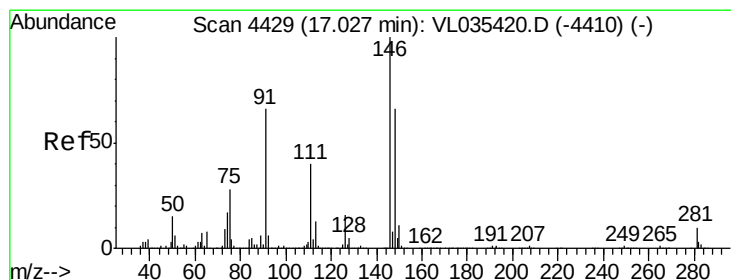
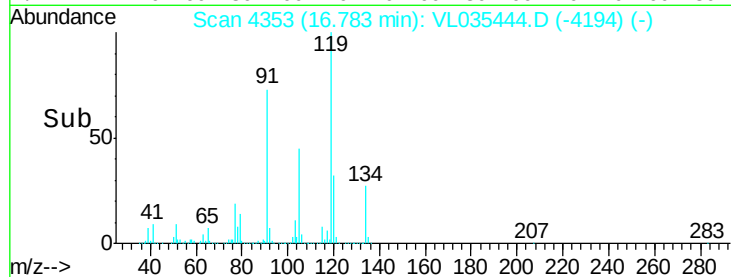
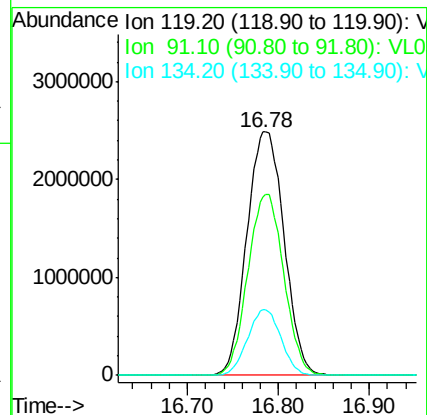
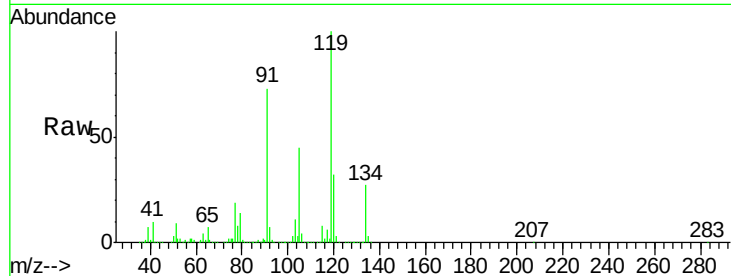
119 100

91 71.9 72.0 108.0#

134 24.2 15.7 23.5#

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#66

Benzyl Chloride

Concen: 12.043 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

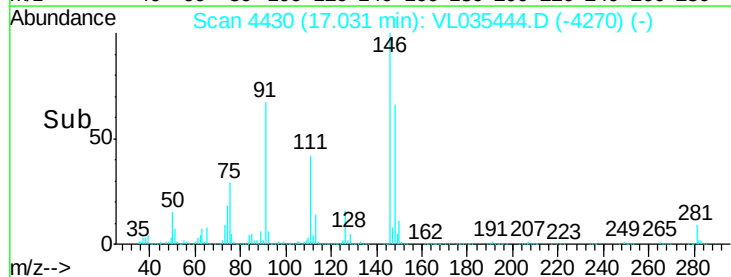
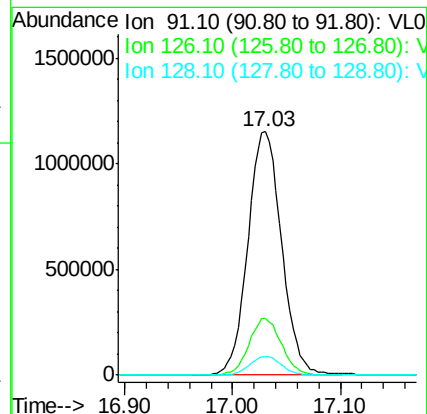
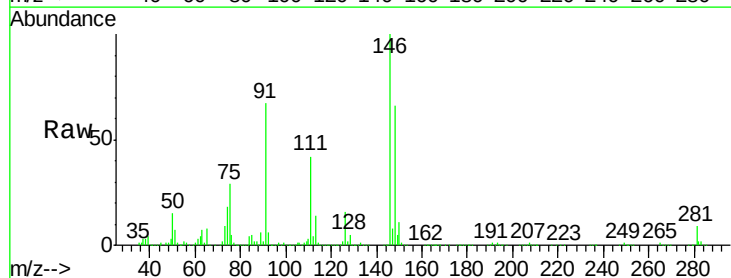
Tgt Ion: 91 Resp: 2496005

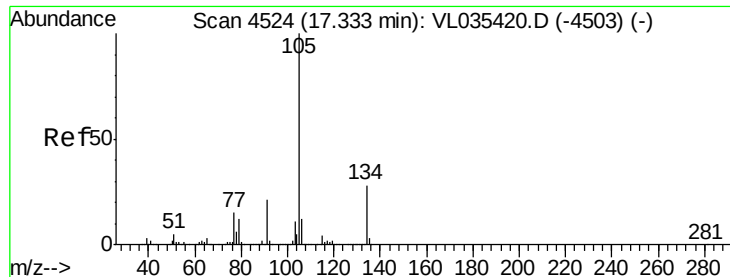
Ion Ratio Lower Upper

91 100

126 22.4 13.3 19.9#

128 7.3 4.1 6.1#





#67

sec-Butylbenzene

Concen: 7.902 ppbv

RT: 17.34 min Scan# 4525

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 8960329

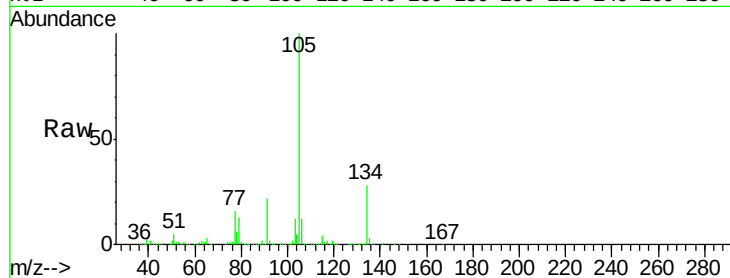
Ion Ratio Lower Upper

105 100

134 25.1 14.1 21.1#

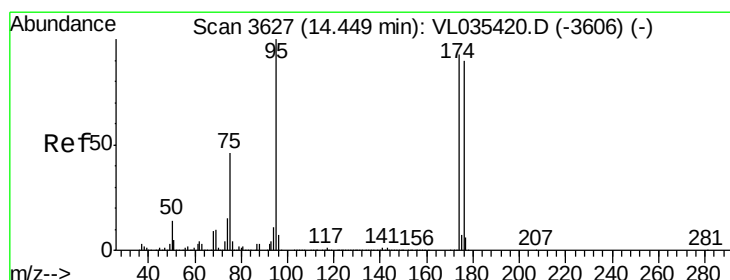
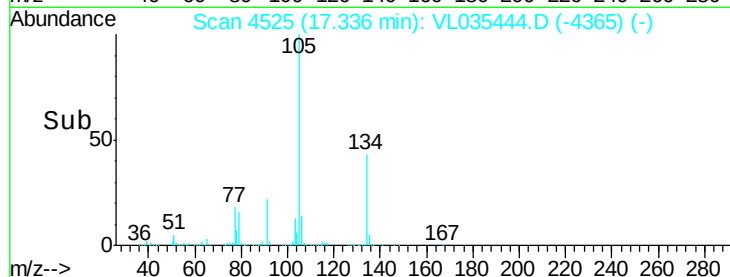
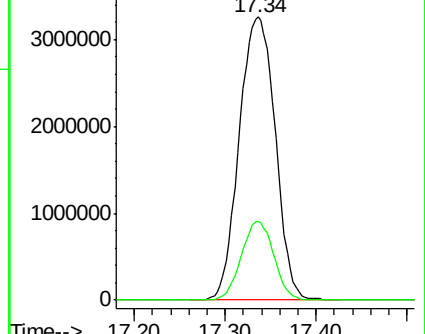
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.634 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

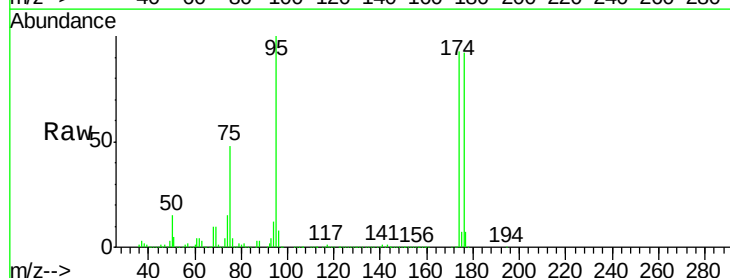
Tgt Ion: 95 Resp: 3678891

Ion Ratio Lower Upper

95 100

174 94.4 44.0 66.0#

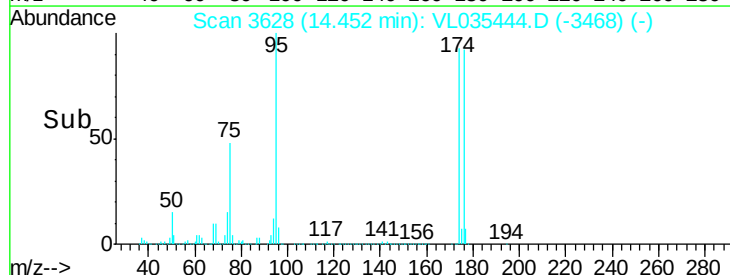
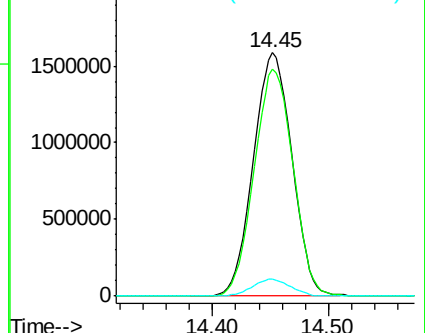
175 7.0 3.2 4.8#

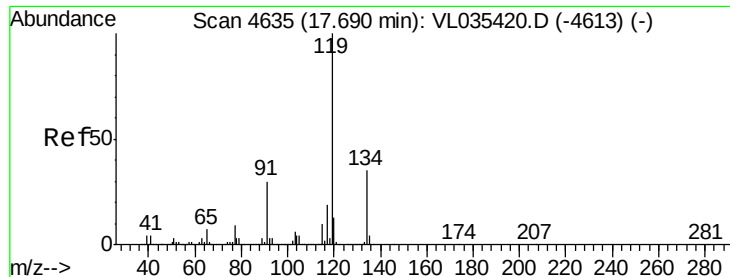


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





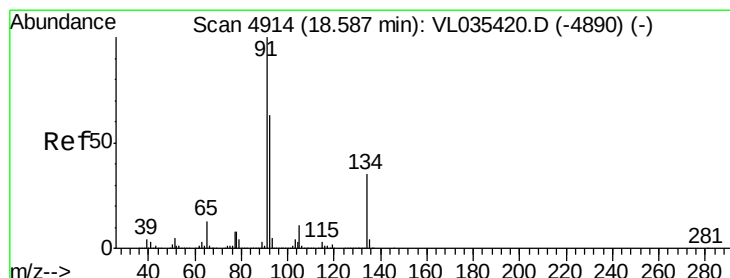
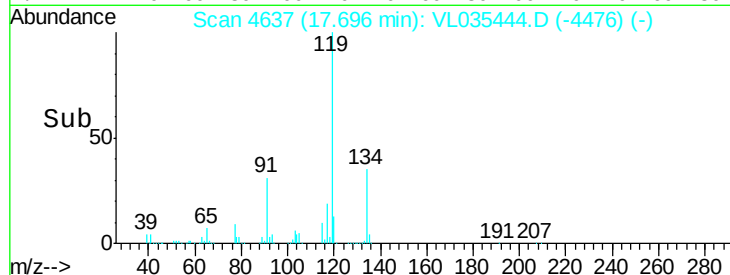
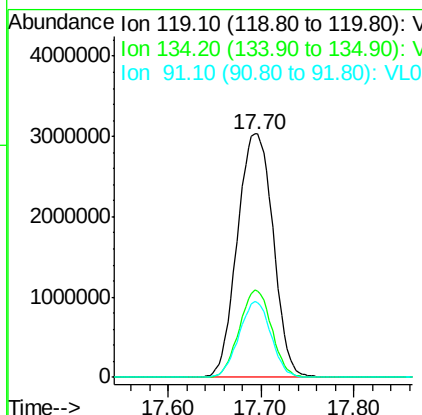
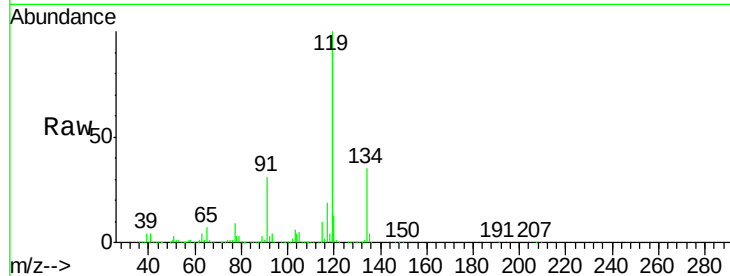
#69
 p-Isopropyltoluene
 Concen: 8.066 ppbv
 RT: 17.70 min Scan# 4637
 Delta R.T. 0.02 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	32.4	20.6	30.8#
91	27.9	26.6	39.8

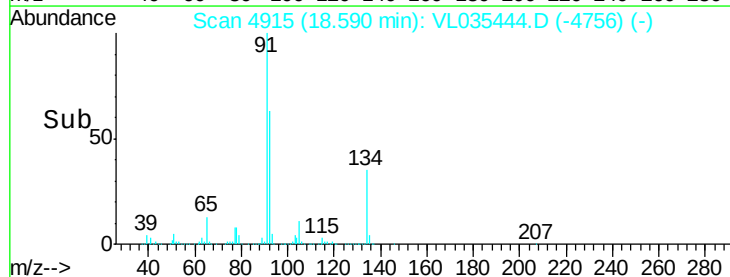
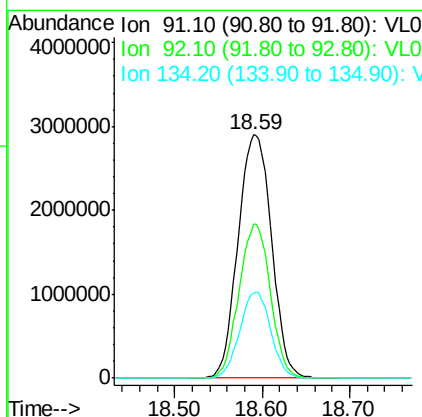
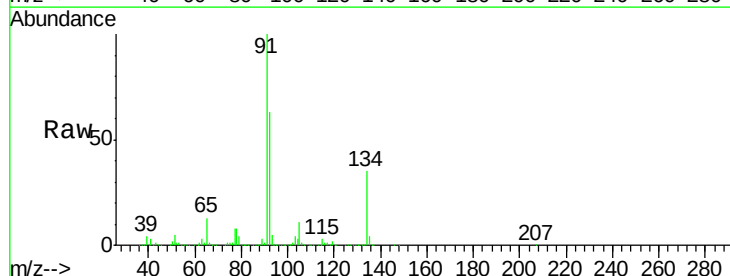
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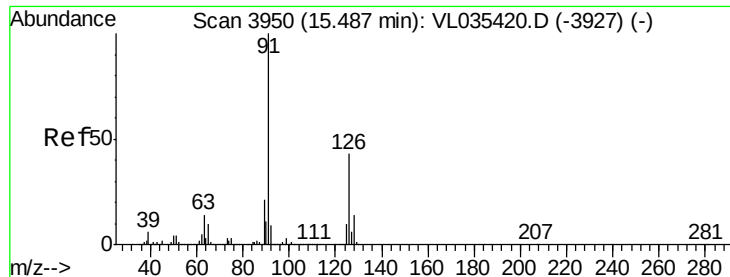
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#70
 n-Butylbenzene
 Concen: 8.089 ppbv
 RT: 18.59 min Scan# 4915
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.5	44.8	67.2
134	32.7	17.3	25.9#





#71

2-Chlorotoluene

Concen: 8.554 ppbv

RT: 15.49 min Scan# 3951

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 5503271

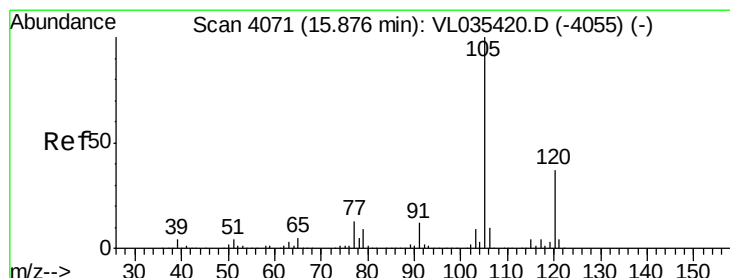
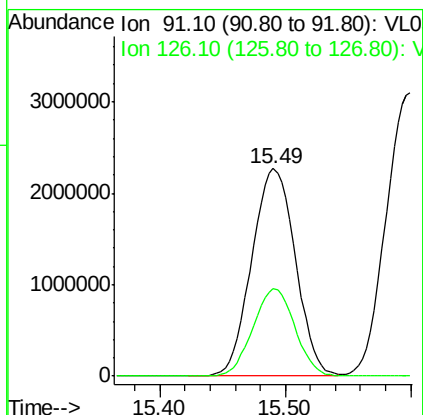
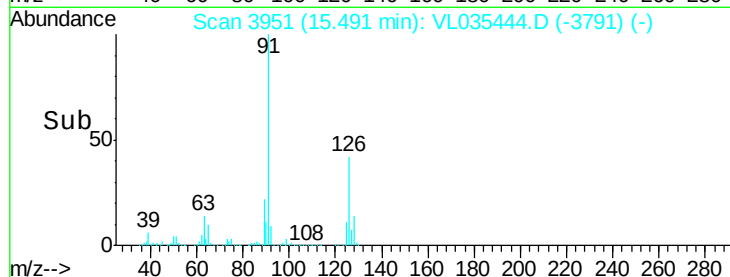
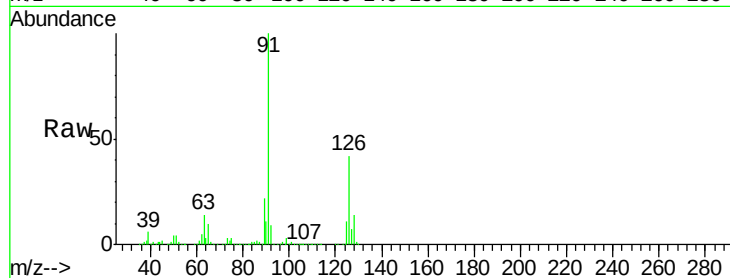
Ion Ratio Lower Upper

91 100

126 40.5 11.4 45.6

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#72

4-Ethyltoluene

Concen: 8.593 ppbv

RT: 15.88 min Scan# 4071

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Tgt Ion: 105 Resp: 6100635

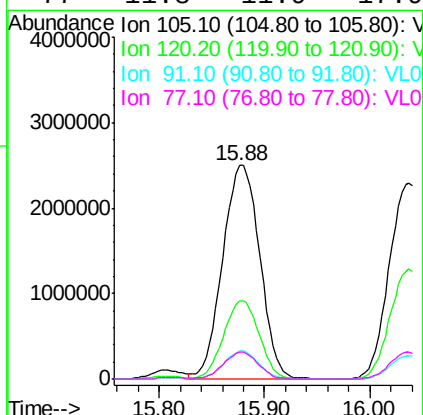
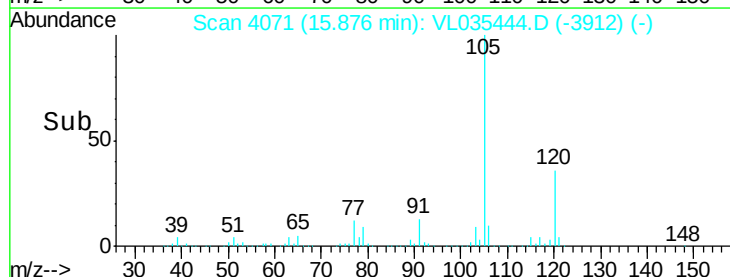
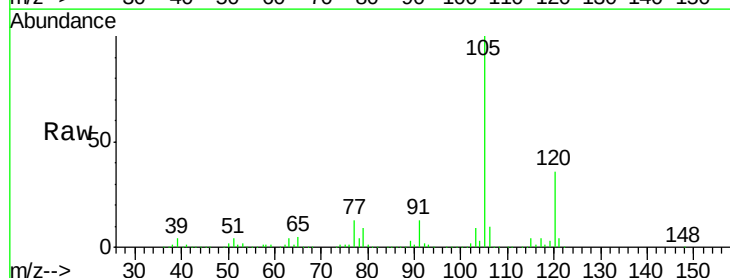
Ion Ratio Lower Upper

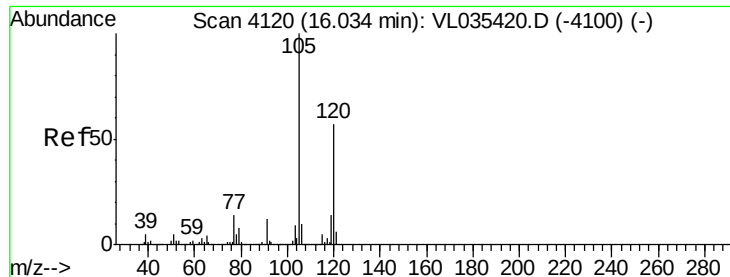
105 100

120 35.1 22.7 34.1#

91 12.1 10.8 16.2

77 11.8 11.9 17.9#





#73

1,3,5-Trimethylbenzene

Concen: 8.562 ppbv

RT: 16.04 min Scan# 4121

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 5656033

Ion Ratio Lower Upper

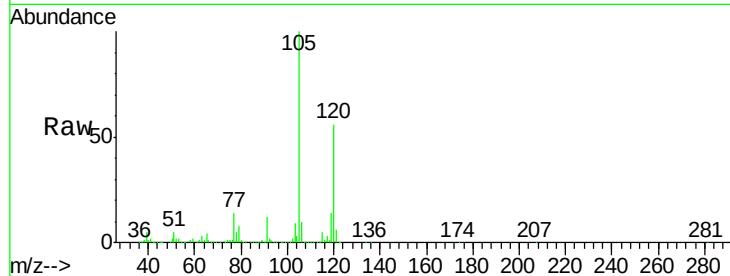
105 100

120 56.0 35.6 53.4#

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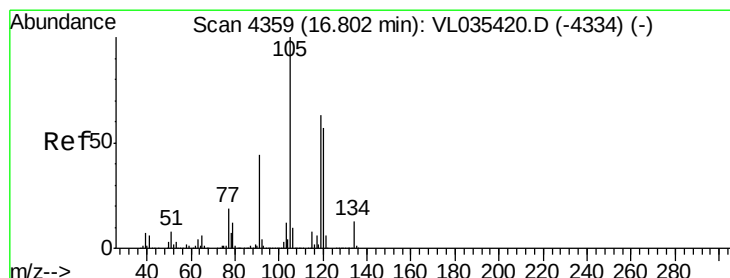
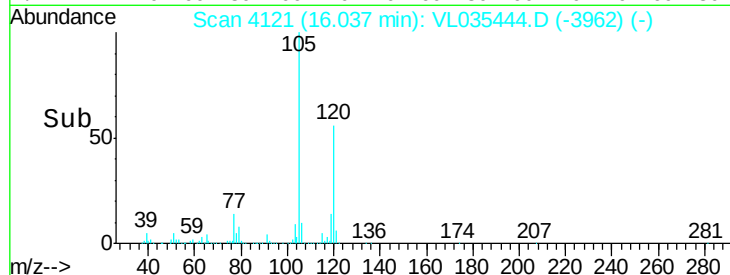
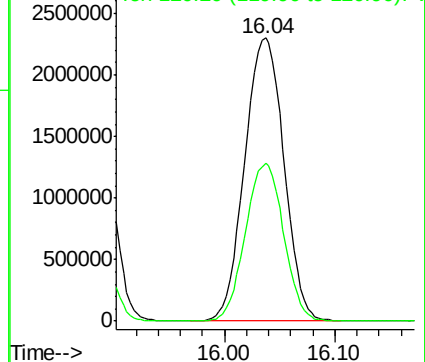
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.167 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Tgt Ion:105 Resp: 5862127

Ion Ratio Lower Upper

105 100

120 56.4 37.8 56.8

91 44.8 40.0 60.0

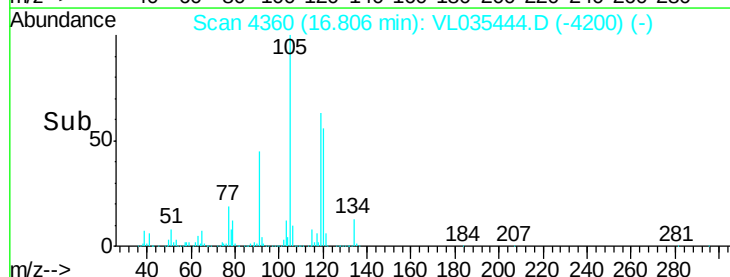
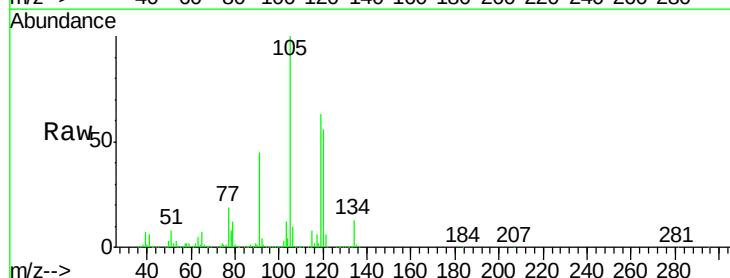
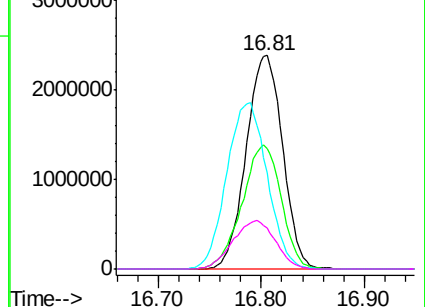
77 19.1 18.8 28.2

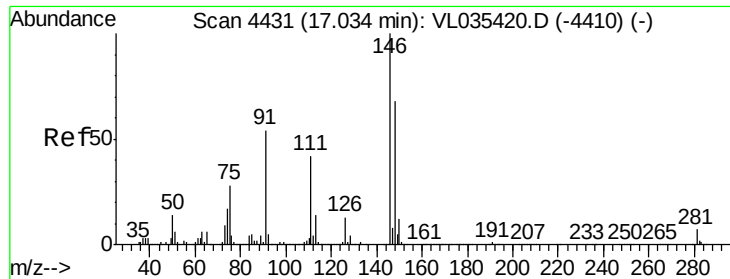
Abundance Ion 105.10 (104.80 to 105.80): V

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





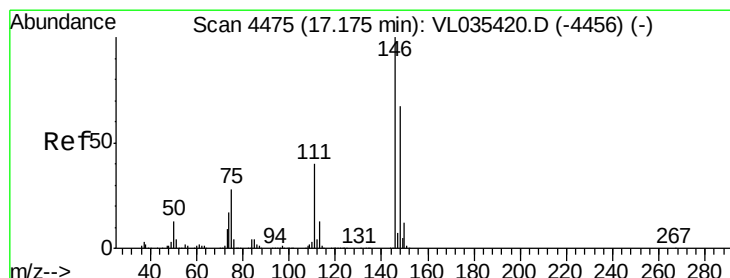
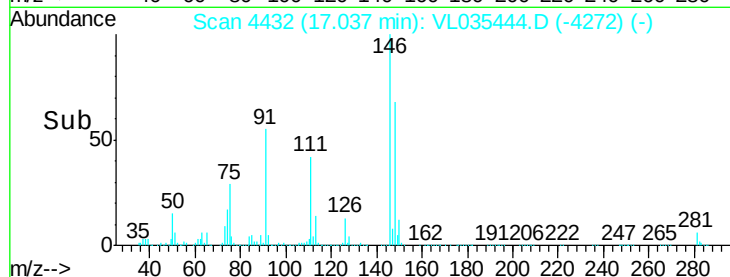
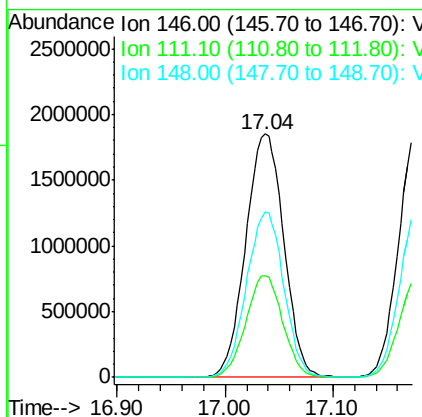
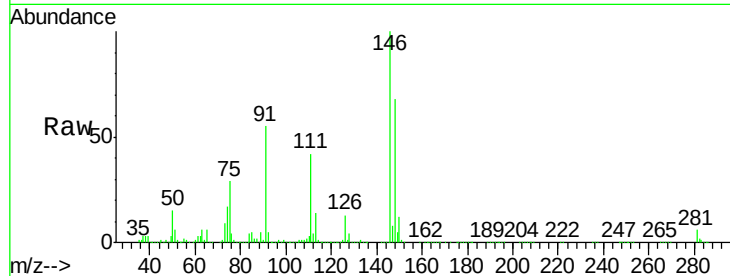
#75
 1,3-Dichlorobenzene
 Concen: 8.210 ppbv
 RT: 17.04 min Scan# 4432
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 4551484
 Ion Ratio Lower Upper
 146 100
 111 40.3 25.6 76.8
 148 66.5 32.3 96.9

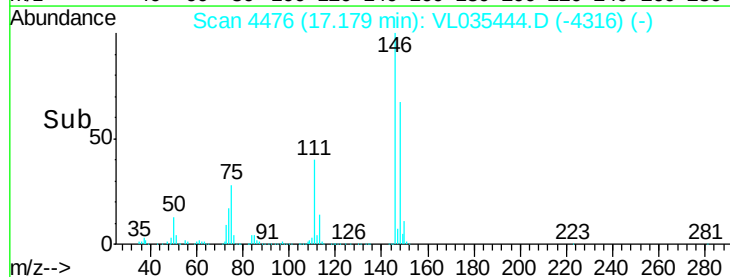
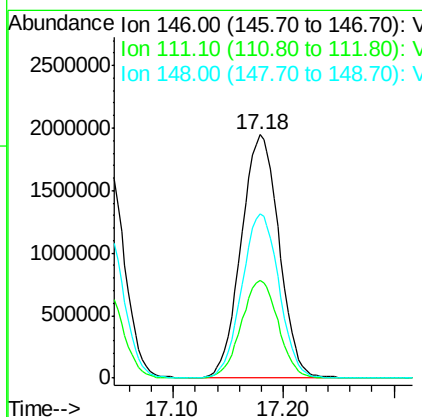
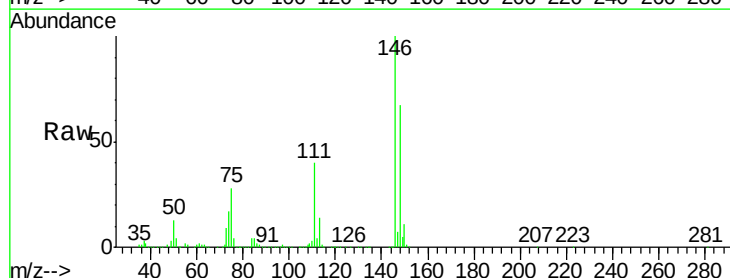
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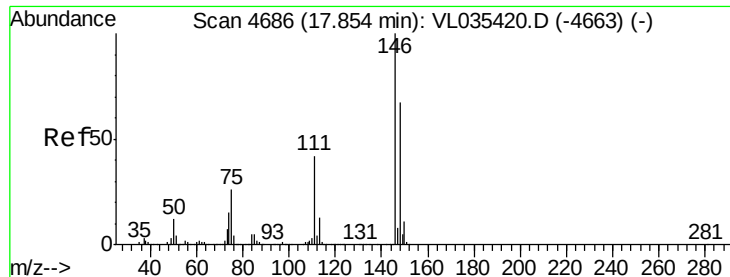
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#76
 1,4-Dichlorobenzene
 Concen: 8.436 ppbv
 RT: 17.18 min Scan# 4476
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

Tgt Ion:146 Resp: 4609145
 Ion Ratio Lower Upper
 146 100
 111 39.3 24.8 74.4
 148 66.9 32.1 96.3





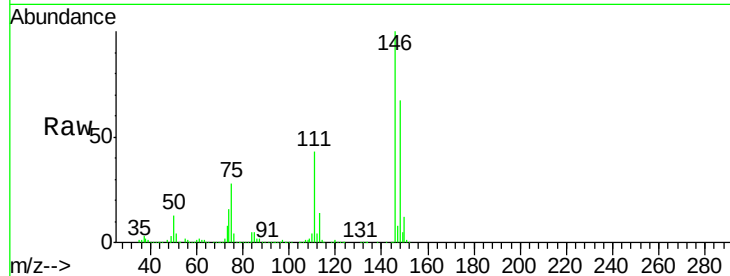
#77
 1,2-Dichlorobenzene
 Concen: 8.321 ppbv
 RT: 17.86 min Scan# 4688
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

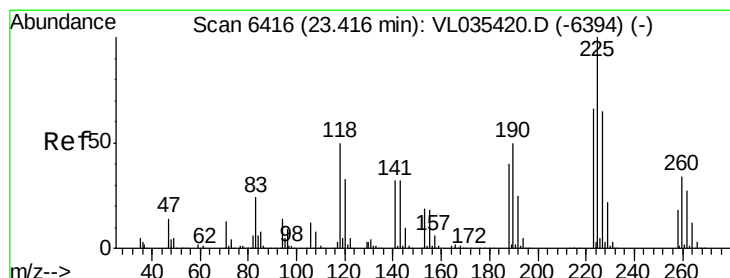
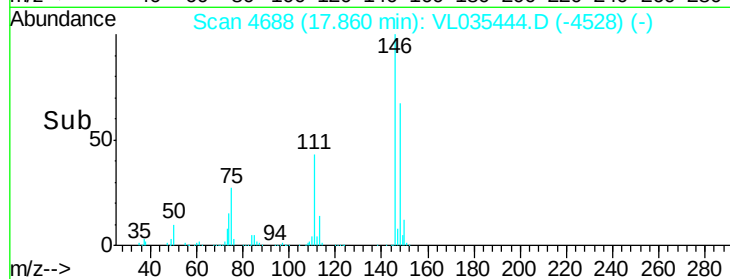
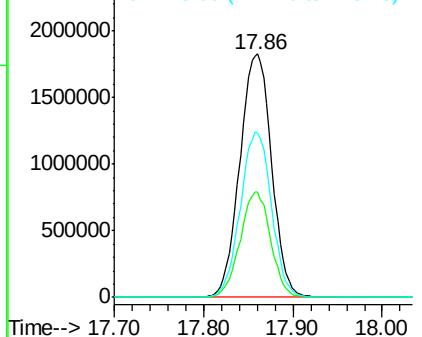
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	26.3	78.9
148	66.7	32.0	96.0

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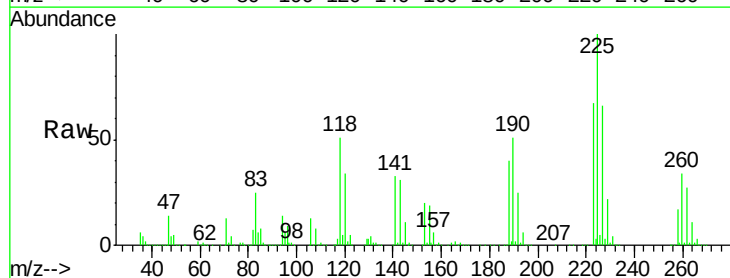


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

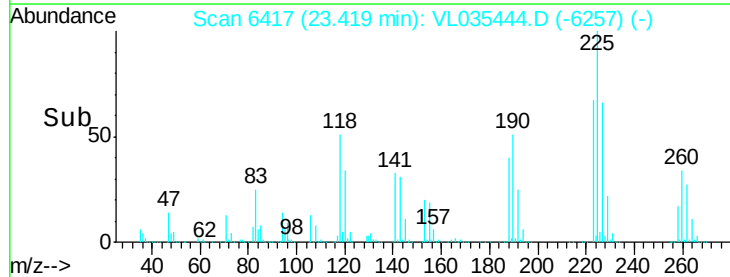
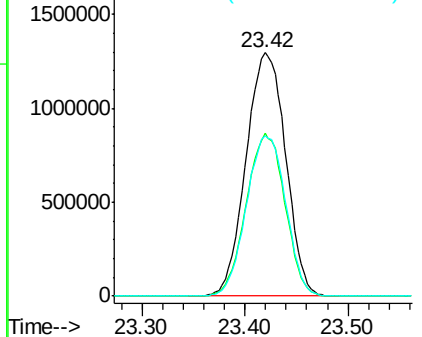


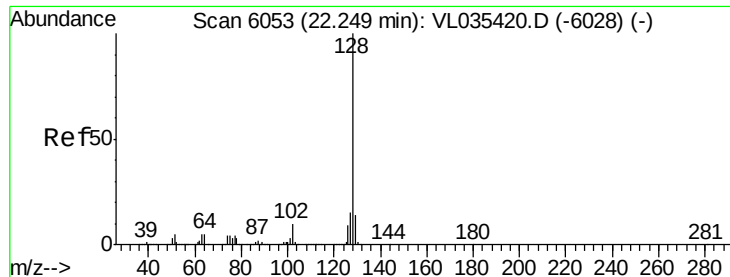
#78
 Hexachloro-1,3-Butadiene
 Concen: 8.049 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	50.3	75.5
227	65.4	51.0	76.6



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





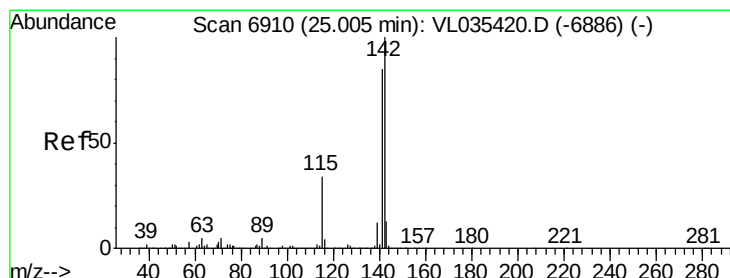
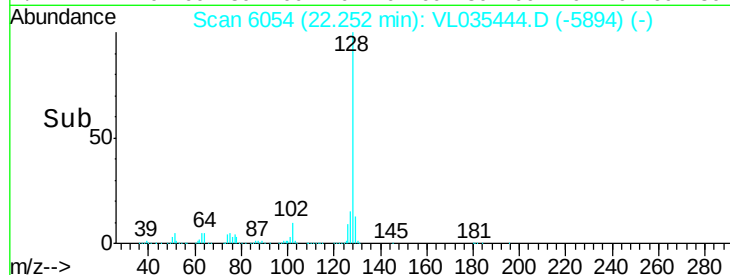
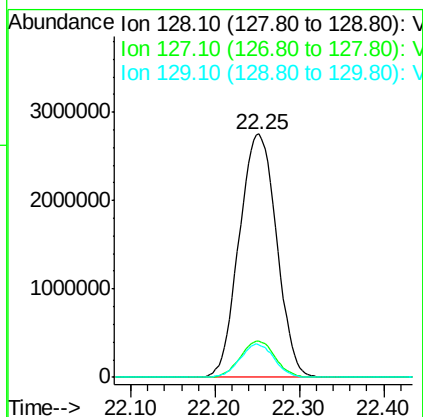
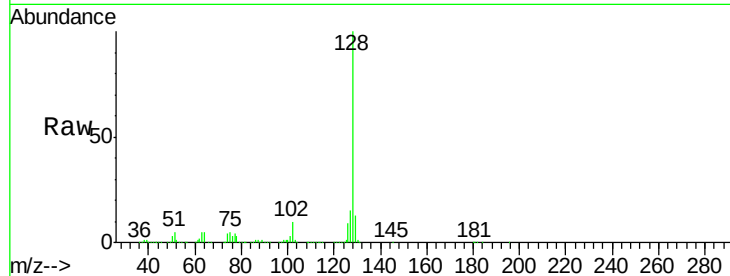
#79
Naphthalene
Concen: 8.390 ppbv
RT: 22.25 min Scan# 6054
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:128 Resp: 8481092
Ion Ratio Lower Upper
128 100
127 14.8 11.4 17.0
129 13.5 9.5 14.3

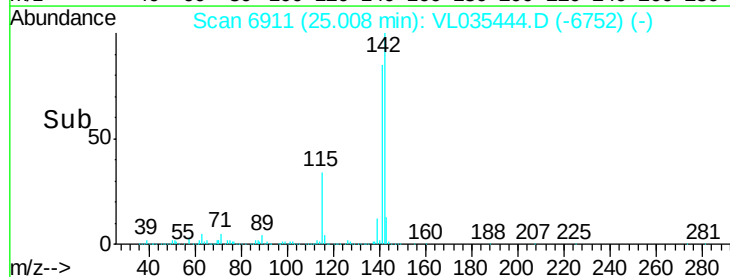
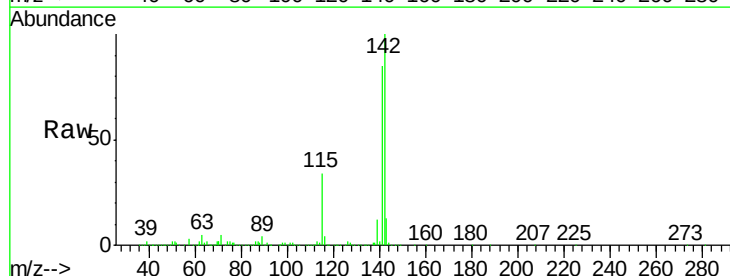
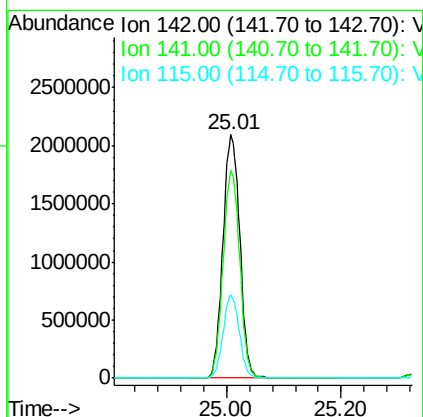
Manual Integrations
APPROVED

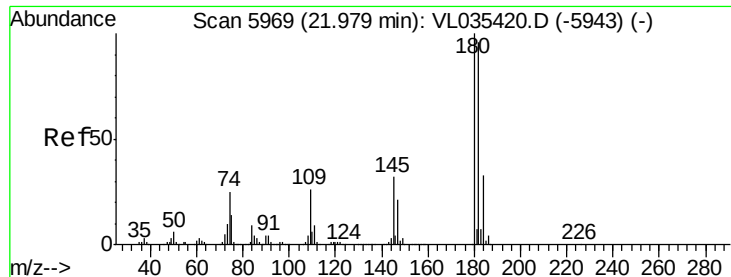
MMDadoda
8/20/2020 11:07:04 AM



#80
Naphthalene, 2-methyl-
Concen: 10.238 ppbv
RT: 25.01 min Scan# 6911
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Tgt Ion:142 Resp: 4276517
Ion Ratio Lower Upper
142 100
141 84.2 67.1 100.7
115 32.7 36.1 54.1#





#81
 1,2,4-Trichlorobenzene
 Concen: 8.393 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.6	115.0
184	32.4	24.8	37.2

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:07:04 AM

