

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081820\
 Data File : VL035468.D
 Acq On : 19 Aug 2020 13:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:08:01 AM

Quant Time: Aug 20 03:56:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 1
 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	1014788	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4757600	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5012483m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	3469200	9.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1870090	9.943	ppbv 98
3) Chlorodifluoromethane	2.99	51	1316207	10.345	ppbv # 90
4) Chloromethane	3.14	50	692882	10.453	ppbv 96
5) Vinyl Chloride	3.26	62	843597	10.649	ppbv 95
6) Bromomethane	3.47	94	747510	10.789	ppbv 100
7) Chloroethane	3.56	64	312066	10.693	ppbv 96
8) Dichlorotetrafluoroethane	3.19	85	2424505	10.067	ppbv # 61
9) Propene	3.01	41	516449	10.098	ppbv 99
10) Heptane	8.14	43	1389912	10.365	ppbv # 78
11) Trichlorofluoromethane	3.95	101	2946638	9.984	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2223841	10.112	ppbv # 83
13) Ethanol	3.61	45	122863	6.557	ppbv 99
14) Bromoethene	3.74	108	1045204	10.754	ppbv # 95
15) Acetone	3.85	43	1069857	9.160	ppbv # 82
16) 1,3-Butadiene	3.33	39	504350	10.648	ppbv # 65
17) tert-Butyl alcohol	4.30	59	1650656	10.934	ppbv 99
18) 1,1-Dichloroethene	4.29	96	1041556	10.726	ppbv # 59
19) Isopropyl Alcohol	3.97	45	810411	10.067	ppbv # 97
20) Methylene Chloride	4.35	84	843369	8.949	ppbv # 64
21) Allyl Chloride	4.41	41	653122	11.004	ppbv # 81
22) trans-1,2-Dichloroethene	4.89	96	1089404	10.513	ppbv # 64
23) Vinyl Acetate	5.08	43	1760597	10.544	ppbv # 93
24) 1,1-Dichloroethane	5.02	63	1736175	10.419	ppbv # 93
25) Ethyl Acetate	5.69	43	2278721	10.026	ppbv # 92
26) Hexane	5.70	57	1313496	10.241	ppbv # 74
27) Carbon Disulfide	4.55	76	2124369	11.458	ppbv # 85
28) Methyl tert-Butyl Ether	5.04	73	2486925	10.614	ppbv 91
29) Chloroform	5.76	83	2714093	10.532	ppbv 98
30) Cyclohexane	7.14	84	1544455	10.853	ppbv # 60
31) cis-1,2-Dichloroethene	5.56	61	1447890	10.733	ppbv # 59
32) 1,1,1-Trichloroethane	6.52	97	2775247	11.491	ppbv # 89
34) 2-Butanone	5.25	43	1580509	9.943	ppbv # 71
35) Carbon Tetrachloride	7.03	117	2946083	11.643	ppbv 98
36) Benzene	6.91	78	3515816	10.069	ppbv # 93
37) 1,2-Dichloroethane	6.32	62	1664243	10.429	ppbv # 89
38) Trichloroethene	7.85	130	1945423	10.016	ppbv # 83
39) 1,2-Dichloropropane	7.63	63	1179447	10.249	ppbv # 82
40) 1,4-Dioxane	7.84	88	615181	9.813	ppbv # 26
41) Tetrahydrofuran	6.06	42	910611	10.385	ppbv # 57
42) Bromodichloromethane	7.81	83	2877793	10.777	ppbv # 98
43) Methyl Methacrylate	8.03	69	1465141	10.730	ppbv # 57

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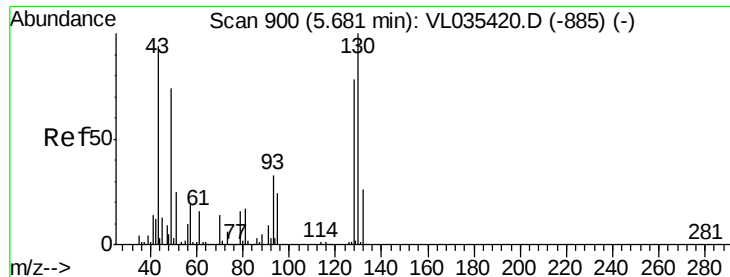
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 1
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4410542	9.673	ppbv #	92
45) t-1,3-Dichloropropene	9.30	75	1696616	12.062	ppbv	94
46) cis-1,3-Dichloropropene	8.72	75	1978226	11.290	ppbv #	75
47) 1,1,2-Trichloroethane	9.50	97	1777465	10.340	ppbv	93
48) Dibromochloromethane	10.33	129	3179675	11.027	ppbv	99
49) Bromoform	13.07	173	3133585	11.280	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2335177	10.241	ppbv #	80
51) 2-Hexanone	10.15	43	2000369	10.408	ppbv #	76
52) Tetrachloroethene	11.25	164	2091853	9.821	ppbv #	85
53) Toluene	9.83	91	4555179	10.128	ppbv	98
54) 1,2-Dibromoethane	10.64	107	2869094	10.277	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	2487031	10.460	ppbv	97
57) Chlorobenzene	12.17	112	3982271	9.518	ppbv #	81
58) Ethyl Benzene	12.74	91	5941185	9.819	ppbv #	82
59) m/p-Xylene	13.02	91	9583801m	18.737	ppbv	
60) o-Xylene	13.72	91	4890018	9.837	ppbv	86
61) Styrene	13.55	104	4160912	10.359	ppbv #	90
62) Isopropylbenzene	14.70	105	7575410	9.298	ppbv #	86
63) 1,1,2,2-Tetrachloroethane	13.71	83	3419238	9.575	ppbv	97
64) n-propylbenzene	15.59	120	2566870	10.221	ppbv #	44
65) tert-Butylbenzene	16.78	119	7379385	9.320	ppbv #	83
66) Benzyl Chloride	17.02	91	2526703	13.267	ppbv #	89
67) sec-Butylbenzene	17.33	105	9349605	8.973	ppbv #	82
69) p-Isopropyltoluene	17.69	119	8520160	9.215	ppbv #	89
70) n-Butylbenzene	18.58	91	8163959	9.348	ppbv #	89
71) 2-Chlorotoluene	15.48	91	5805634	9.821	ppbv	77
72) 4-Ethyltoluene	15.87	105	6420822	9.842	ppbv #	91
73) 1,3,5-Trimethylbenzene	16.03	105	6019553	9.916	ppbv #	83
74) 1,2,4-Trimethylbenzene	16.79	105	6201775	9.403	ppbv #	89
75) 1,3-Dichlorobenzene	17.03	146	4752057	9.328	ppbv	92
76) 1,4-Dichlorobenzene	17.17	146	4887655	9.735	ppbv	92
77) 1,2-Dichlorobenzene	17.85	146	4747708	9.515	ppbv	91
78) Hexachloro-1,3-Butadiene	23.42	225	3433040	8.702	ppbv	98
79) Naphthalene	22.24	128	8817611	9.493	ppbv	96
80) Naphthalene, 2-methyl-	25.00	142	4180405	10.891	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.97	180	5278990	9.428	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.00 min

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1014788

Ion Ratio Lower Upper

49 100

128 105.0 20.9 62.7#

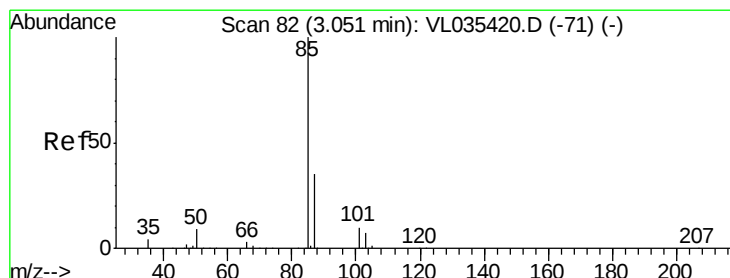
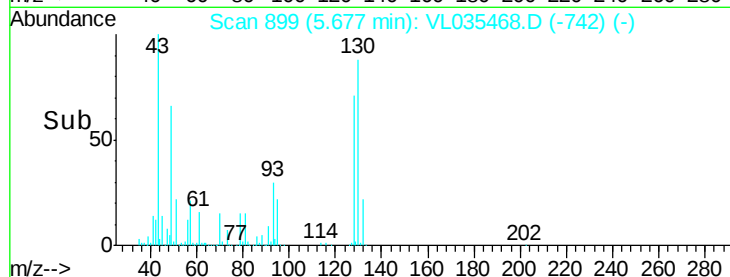
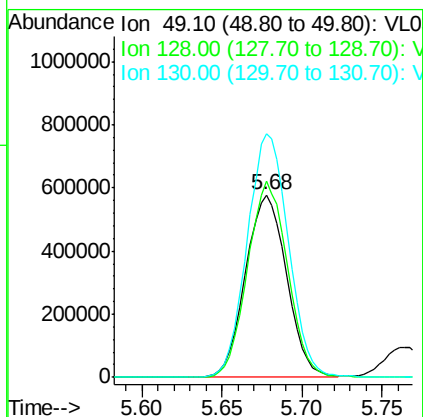
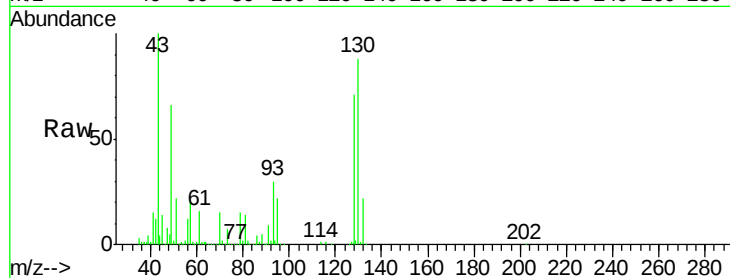
130 134.7 26.7 80.1#

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 9.943 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL035468.D

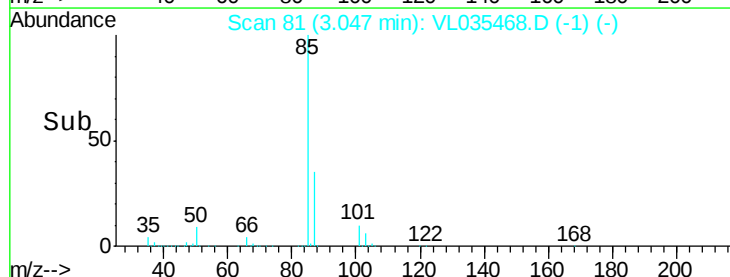
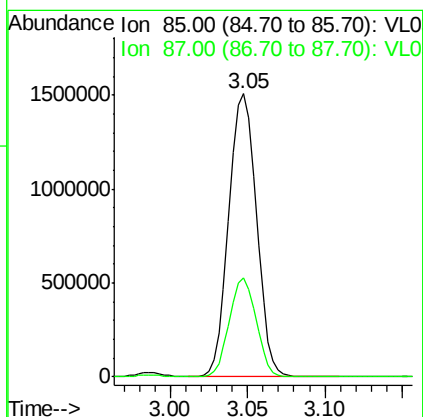
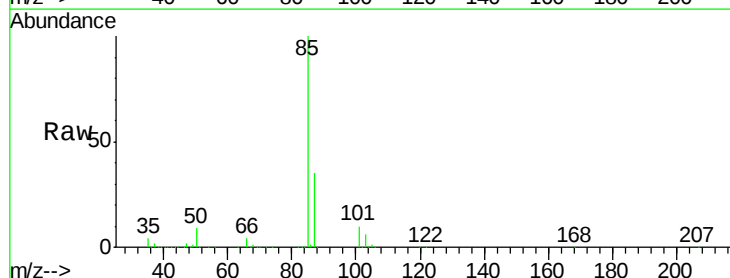
Acq: 19 Aug 2020 13:47

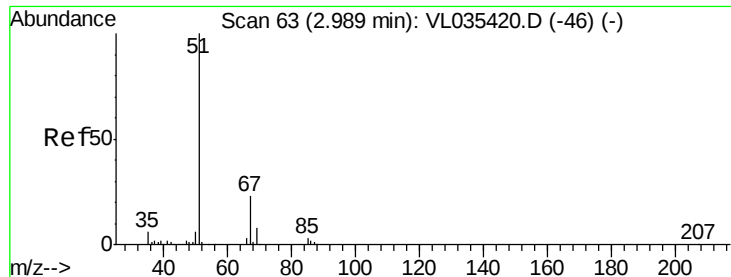
Tgt Ion: 85 Resp: 1870090

Ion Ratio Lower Upper

85 100

87 35.0 27.1 40.7





#3

Chlorodifluoromethane

Concen: 10.345 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 1316207

Ion Ratio Lower Upper

51 100

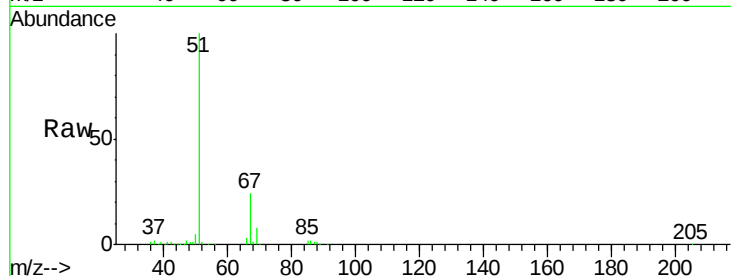
67 23.2 15.0 22.6#

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

1200000

1000000

800000

600000

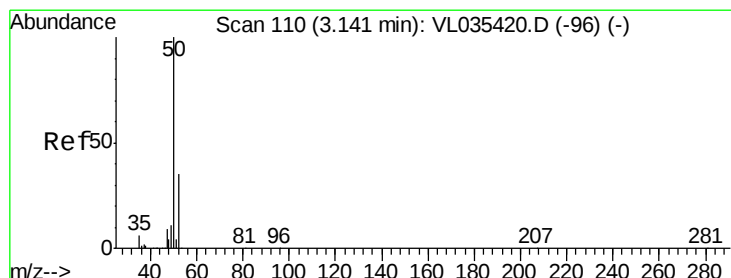
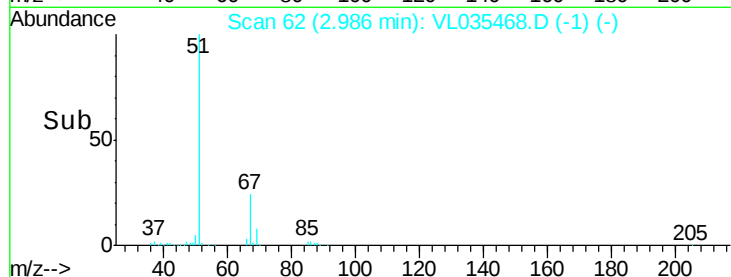
400000

200000

0

2.99

Time-->



#4

Chloromethane

Concen: 10.453 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL035468.D

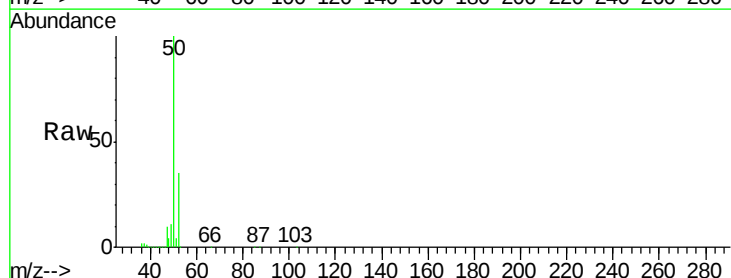
Acq: 19 Aug 2020 13:47

Tgt Ion: 50 Resp: 692882

Ion Ratio Lower Upper

50 100

52 34.6 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

500000

400000

300000

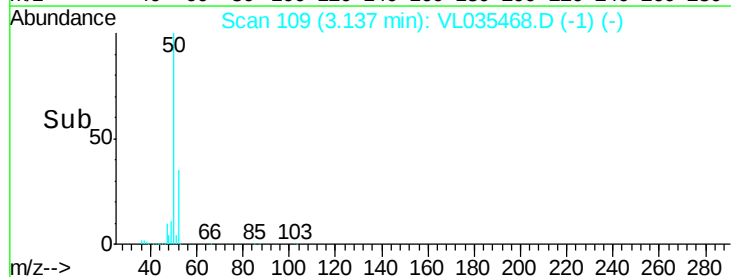
200000

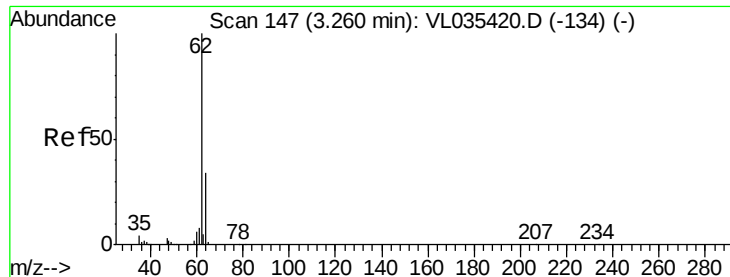
100000

0

3.14

Time-->





#5

Vinyl Chloride

Concen: 10.649 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 843597

Ion Ratio Lower Upper

62 100

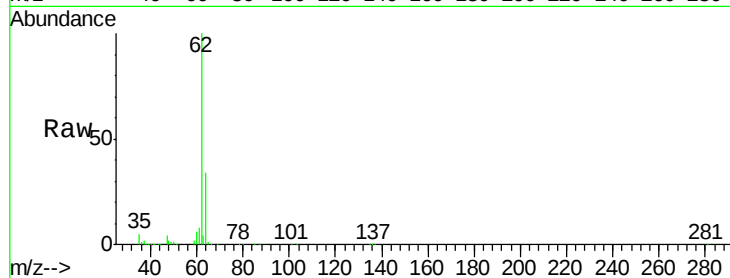
64 34.0 25.0 37.4

Manual Integrations

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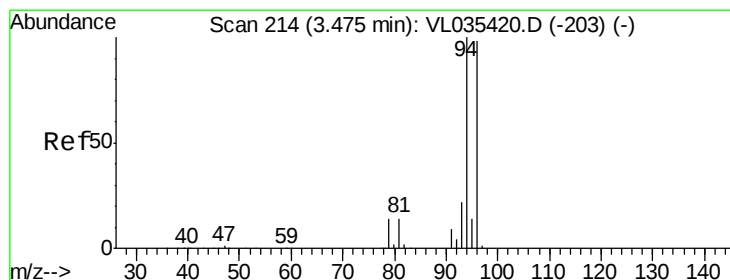
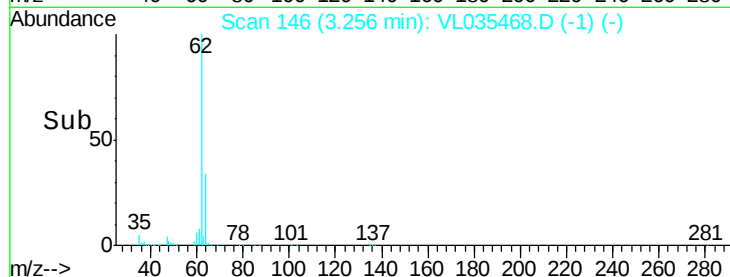
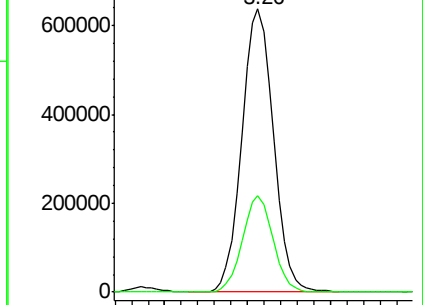
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.789 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.00 min

Lab File: VL035468.D

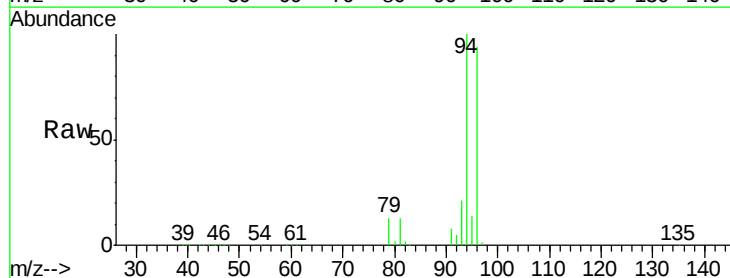
Acq: 19 Aug 2020 13:47

Tgt Ion: 94 Resp: 747510

Ion Ratio Lower Upper

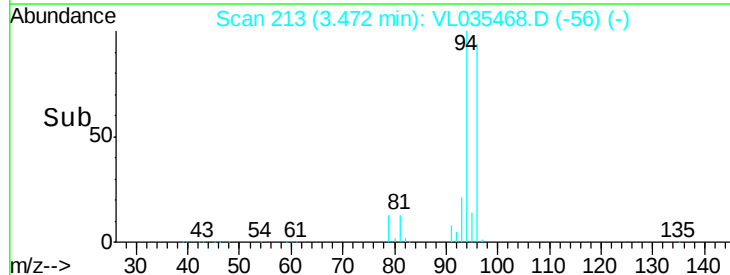
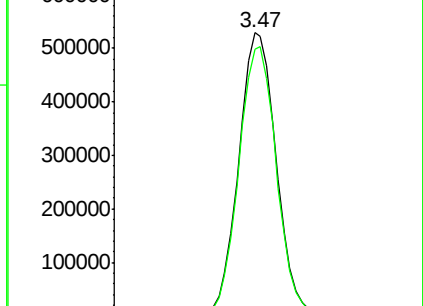
94 100

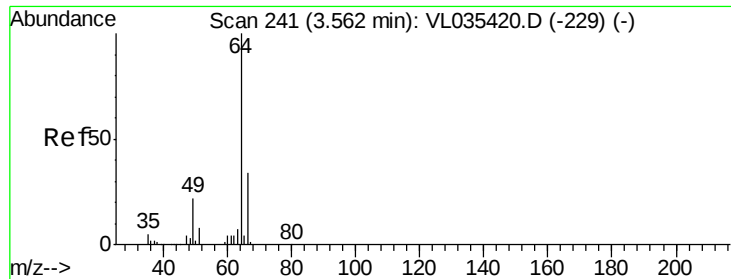
96 94.0 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.693 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 312066

Ion Ratio Lower Upper

64 100

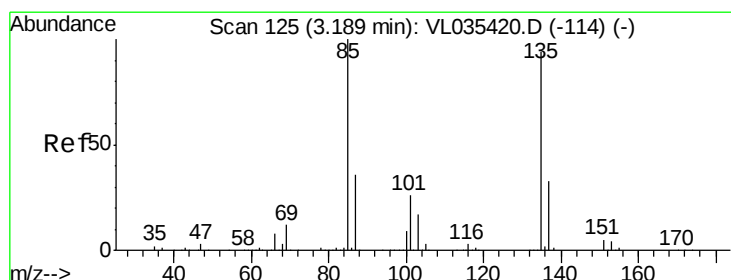
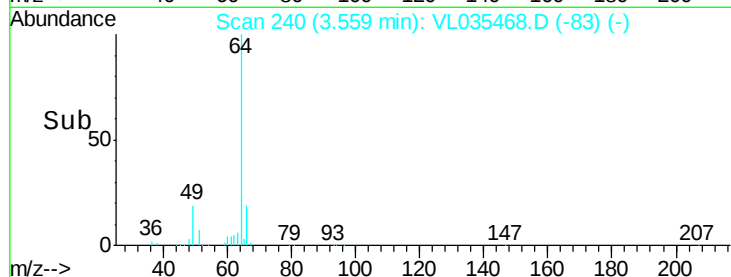
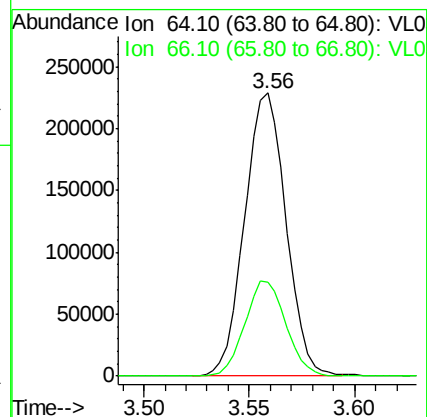
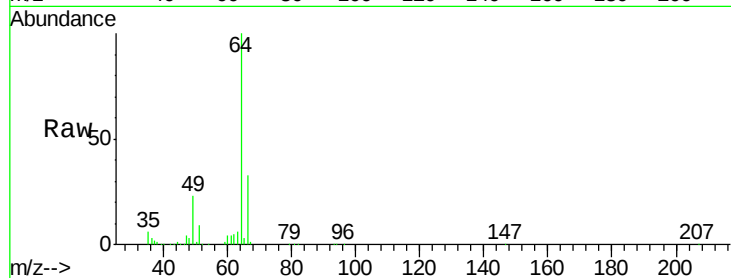
66 33.0 24.5 36.7

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#8

Dichlorotetrafluoroethane

Concen: 10.067 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL035468.D

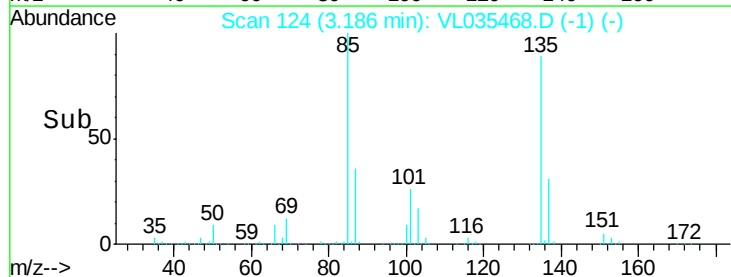
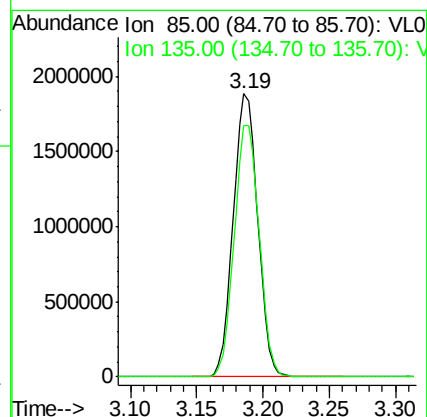
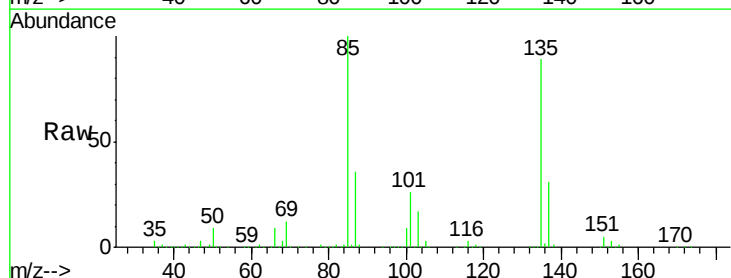
Acq: 19 Aug 2020 13:47

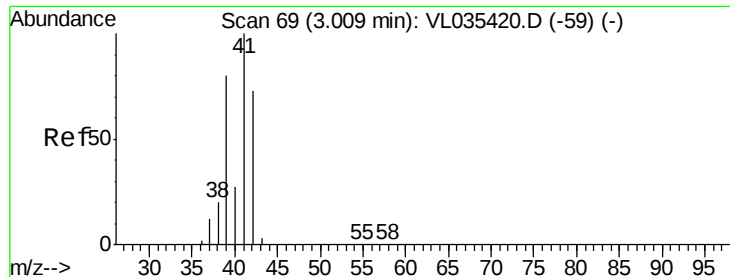
Tgt Ion: 85 Resp: 2424505

Ion Ratio Lower Upper

85 100

135 90.7 48.6 72.8#





#9

Propene

Concen: 10.098 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 516449

Ion Ratio Lower Upper

41 100

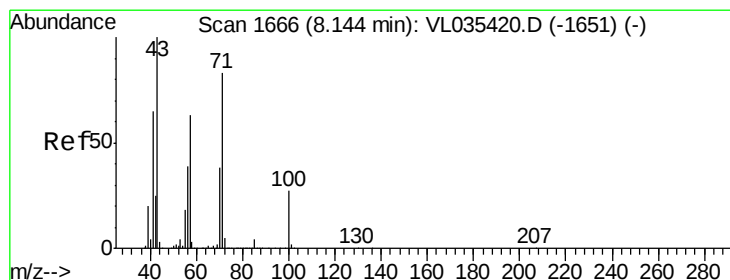
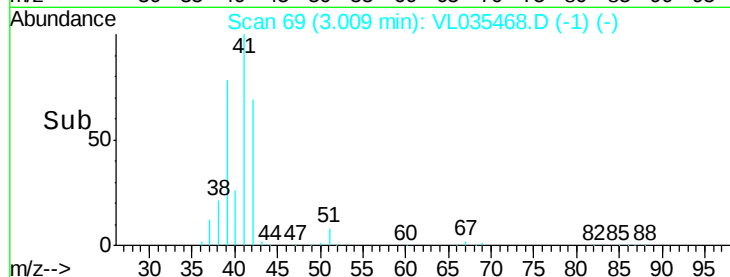
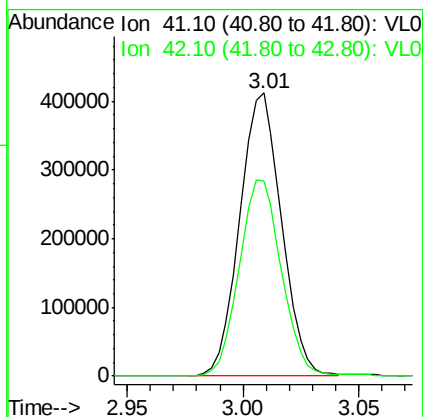
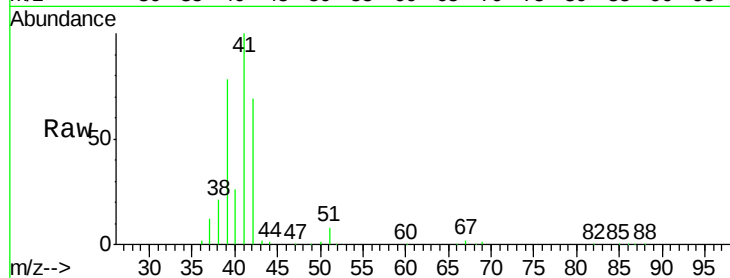
42 70.5 55.5 83.3

Manual Integrations

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#10

Heptane

Concen: 10.365 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VL035468.D

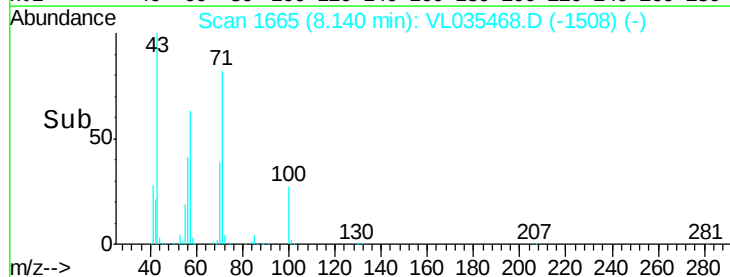
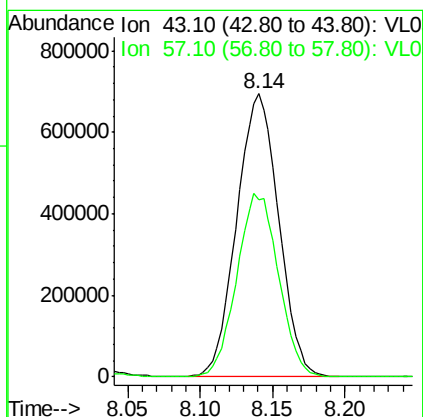
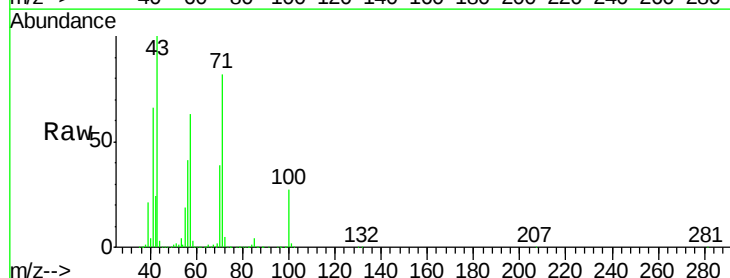
Acq: 19 Aug 2020 13:47

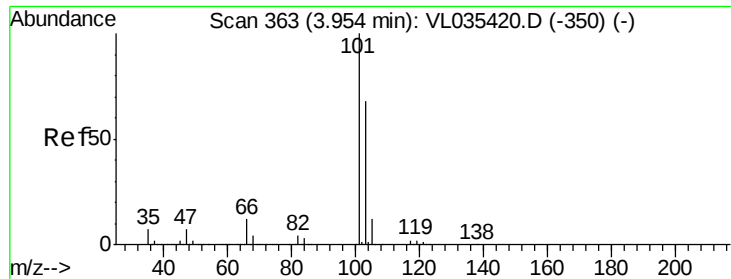
Tgt Ion: 43 Resp: 1389912

Ion Ratio Lower Upper

43 100

57 64.6 39.8 59.6#





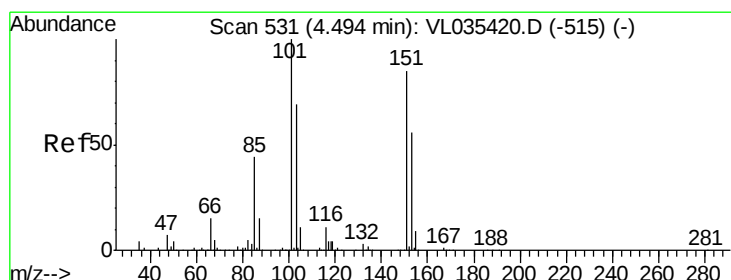
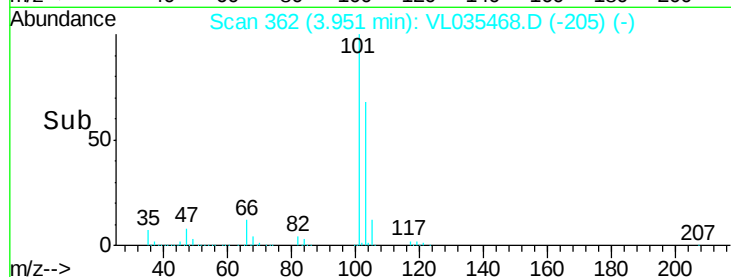
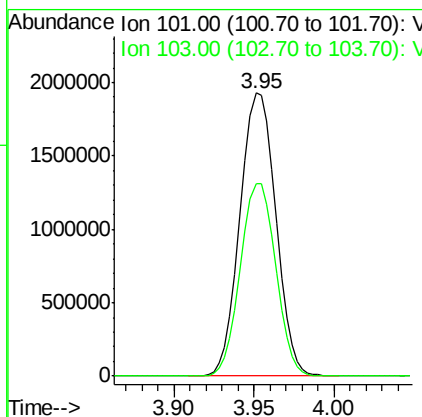
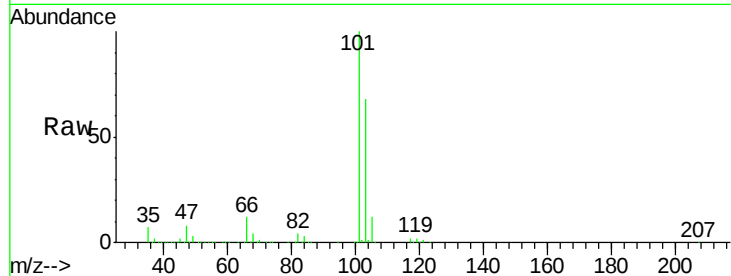
#11
 Trichlorofluoromethane
 Concen: 9.984 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. 0.00 min
 Lab File: VL035468.D
 Acq: 19 Aug 2020 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2946638
 Ion Ratio Lower Upper
 101 100
 103 68.1 52.6 78.8

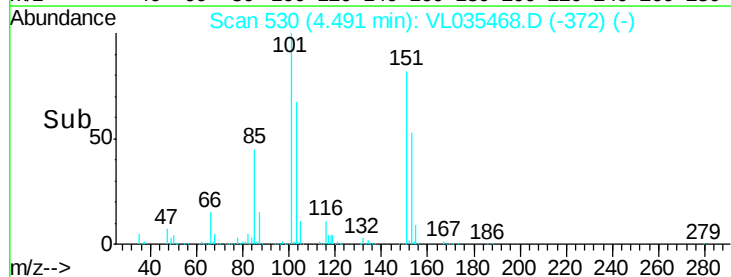
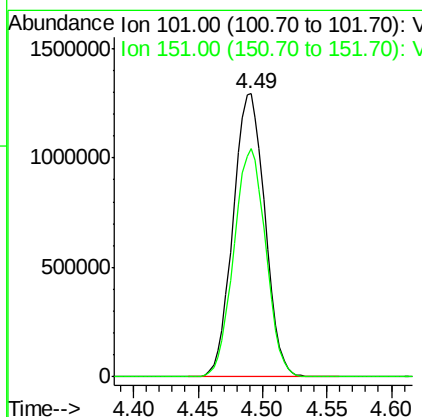
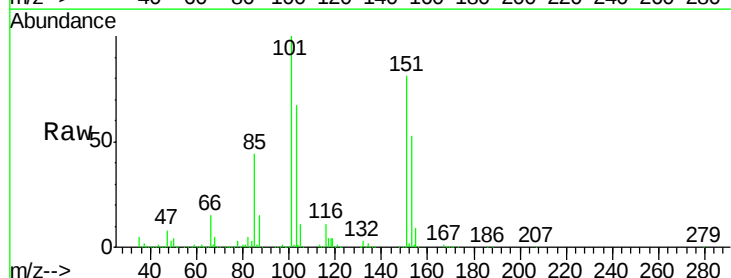
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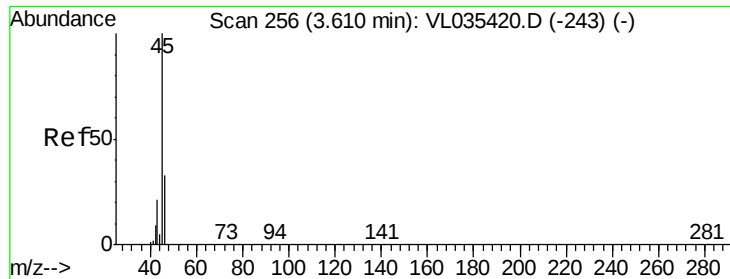
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.112 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VL035468.D
 Acq: 19 Aug 2020 13:47

Tgt Ion:101 Resp: 2223841
 Ion Ratio Lower Upper
 101 100
 151 80.9 53.6 80.4#





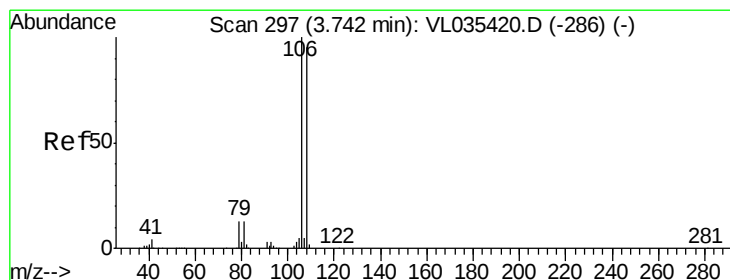
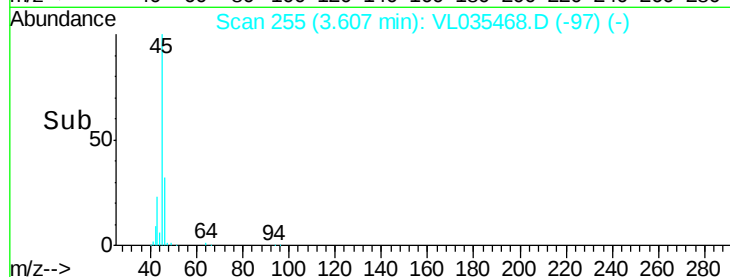
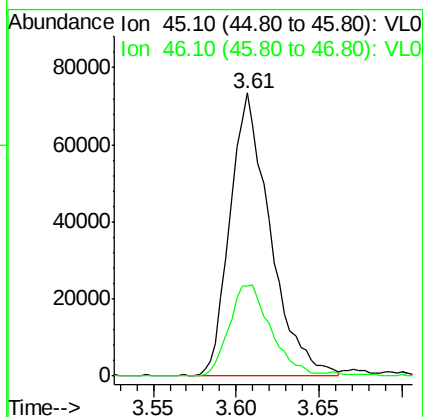
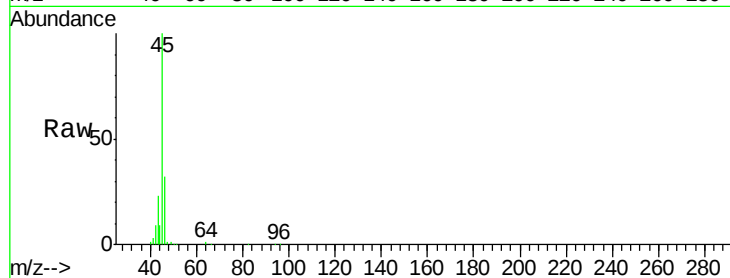
#13
Ethanol
Concen: 6.557 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL035468.D
Acq: 19 Aug 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
46	34.8	14.2	56.6

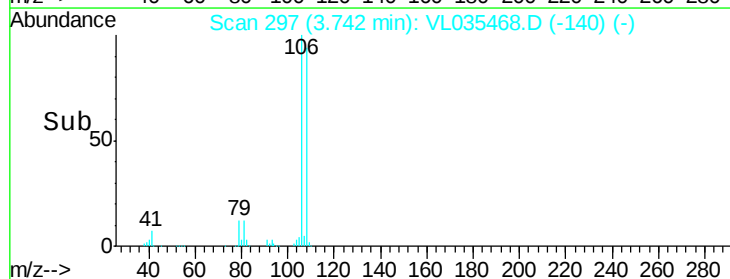
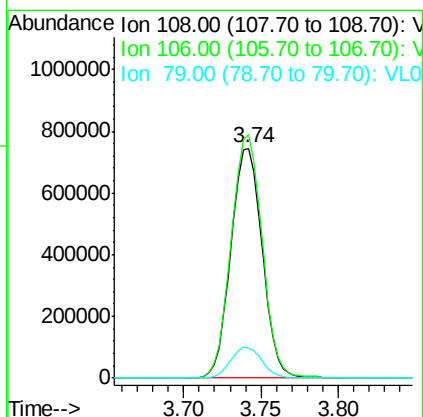
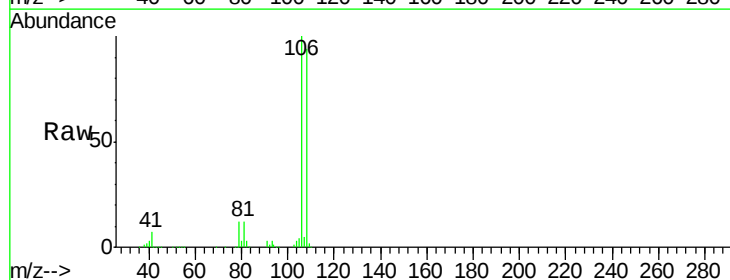
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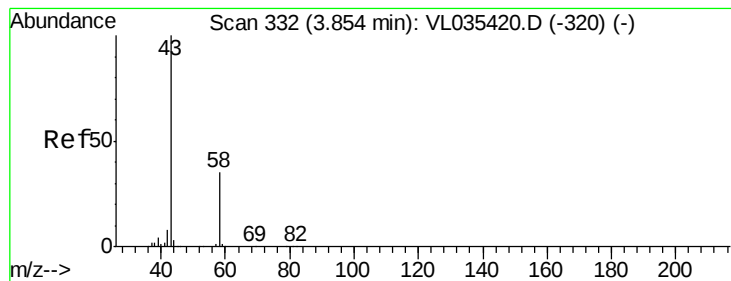
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#14
Bromoethene
Concen: 10.754 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.00 min
Lab File: VL035468.D
Acq: 19 Aug 2020 13:47

Tgt Ion	Ratio	Lower	Upper
108	100		
106	105.2	86.7	130.1
79	13.3	16.8	25.2#





#15

Acetone

Concen: 9.160 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1069857

Ion Ratio Lower Upper

43 100

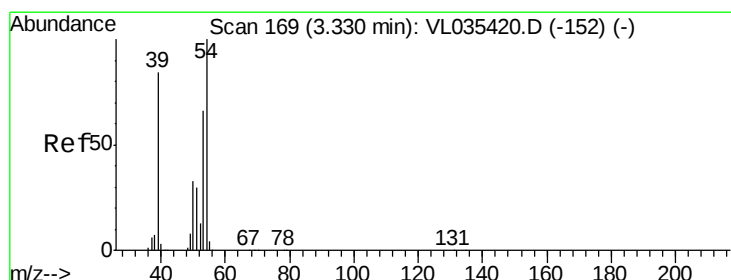
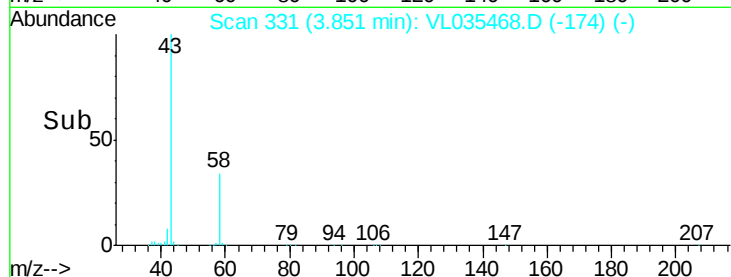
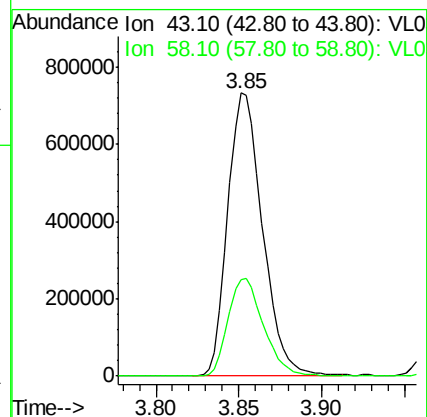
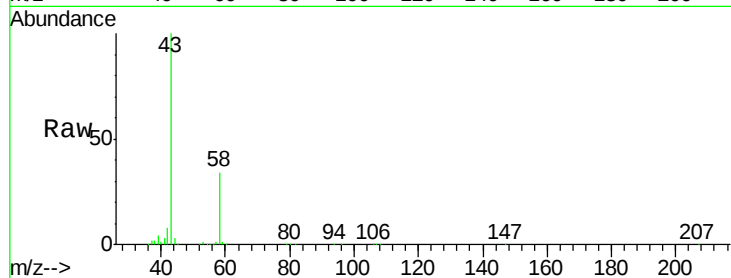
58 35.3 21.0 31.6#

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#16

1,3-Butadiene

Concen: 10.648 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL035468.D

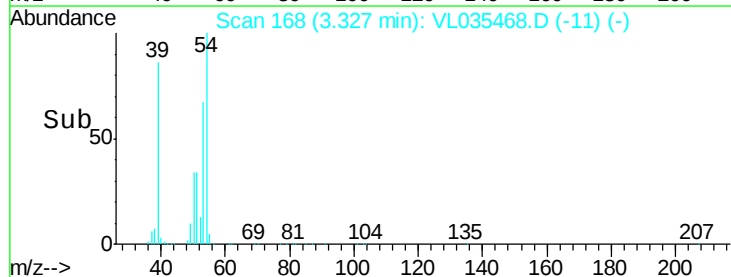
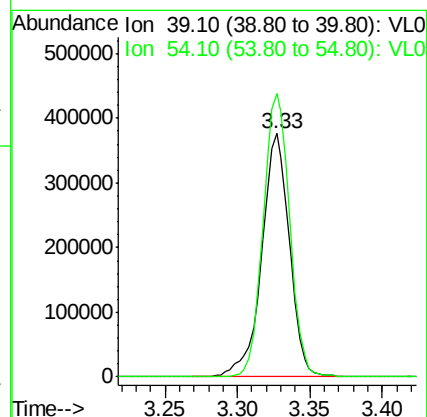
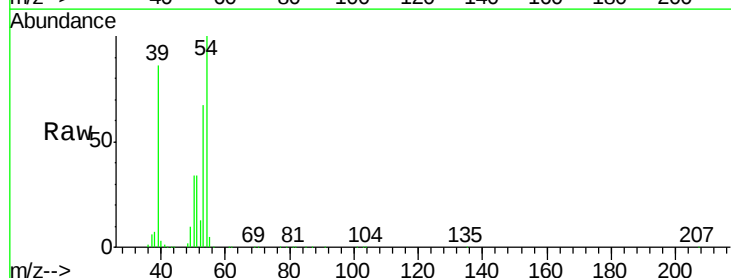
Acq: 19 Aug 2020 13:47

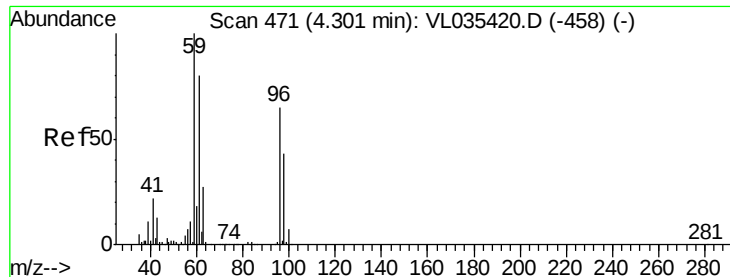
Tgt Ion: 39 Resp: 504350

Ion Ratio Lower Upper

39 100

54 111.2 64.4 96.6#





#17

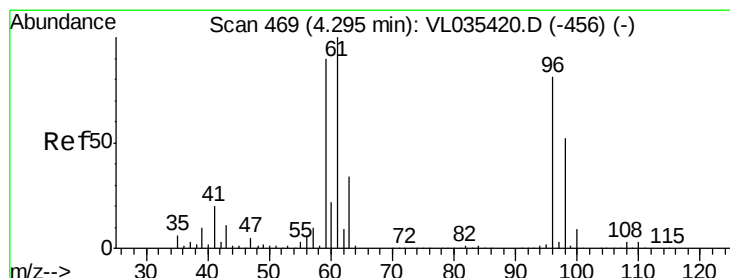
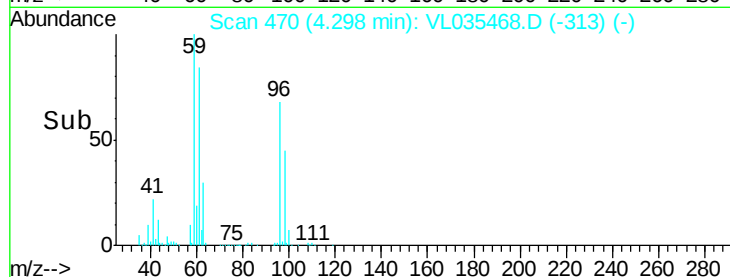
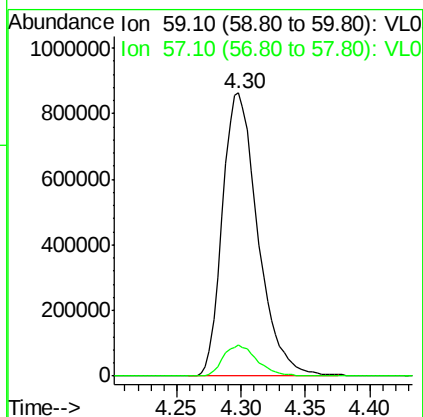
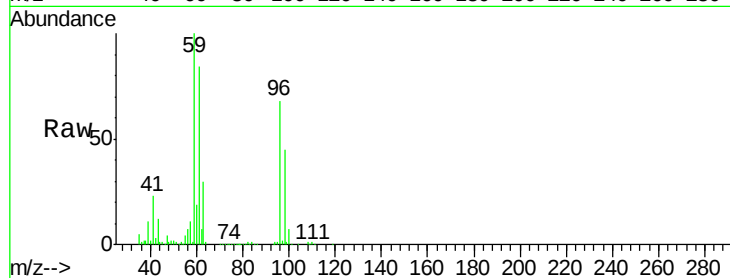
tert-Butyl alcohol
Concen: 10.934 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.00 min
Lab File: VL035468.D
Acq: 19 Aug 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1650656
Ion Ratio Lower Upper
59 100
57 10.5 8.9 13.3

Manual Integrations
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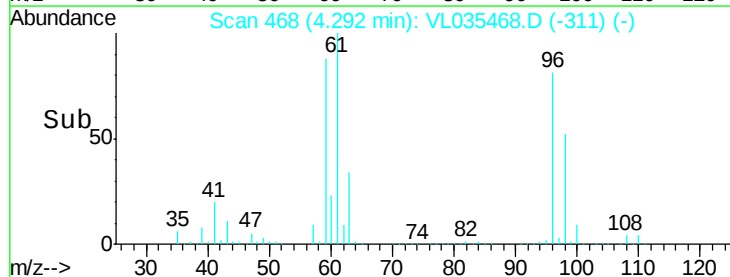
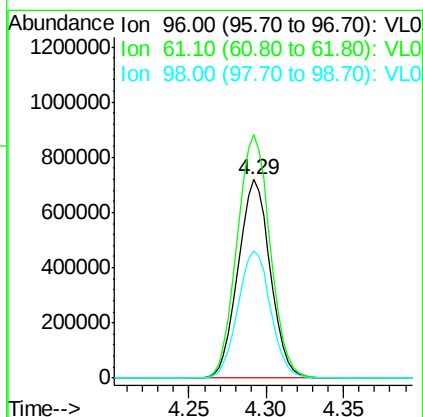
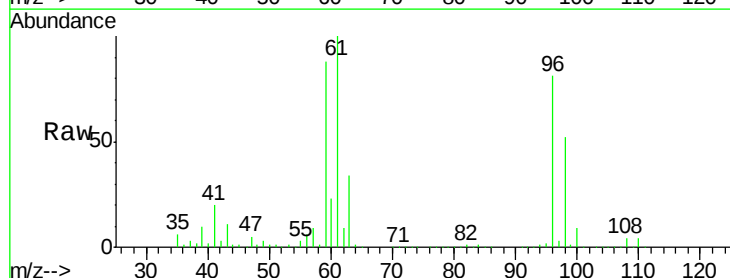
MMDadoda
8/20/2020 11:08:01 AM

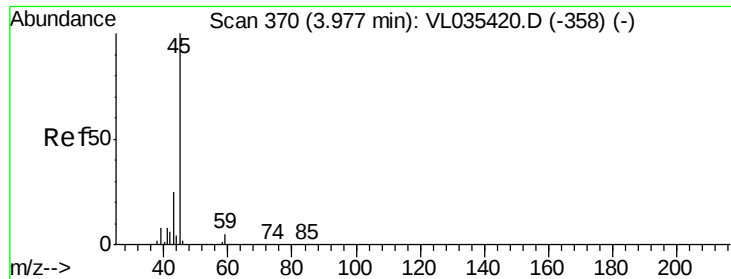


#18

1,1-Dichloroethene
Concen: 10.726 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.00 min
Lab File: VL035468.D
Acq: 19 Aug 2020 13:47

Tgt Ion: 96 Resp: 1041556
Ion Ratio Lower Upper
96 100
61 122.7 161.8 242.6#
98 63.8 49.3 73.9





#19

Isopropyl Alcohol

Concen: 10.067 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.00 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 810411

Ion Ratio Lower Upper

45 100

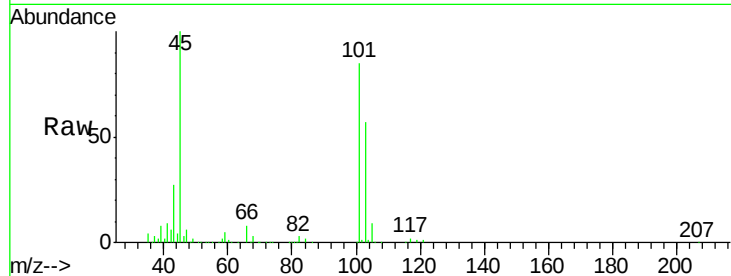
58 2.4 1.0 1.6#

Manual Integrations

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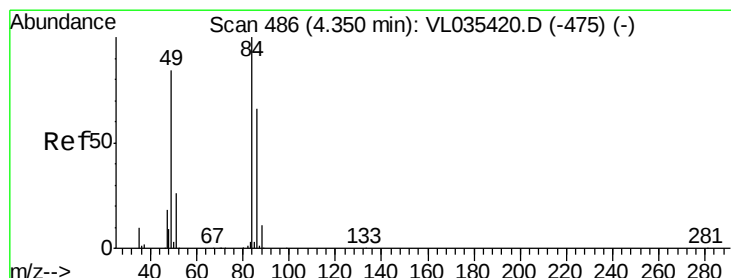
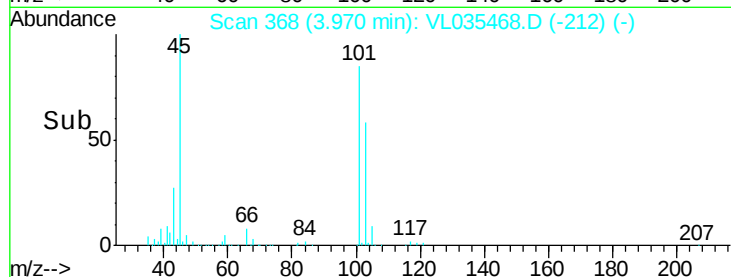
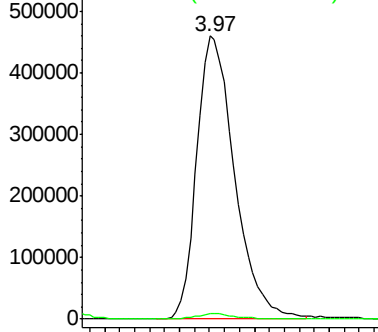
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.949 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Tgt Ion: 84 Resp: 843369

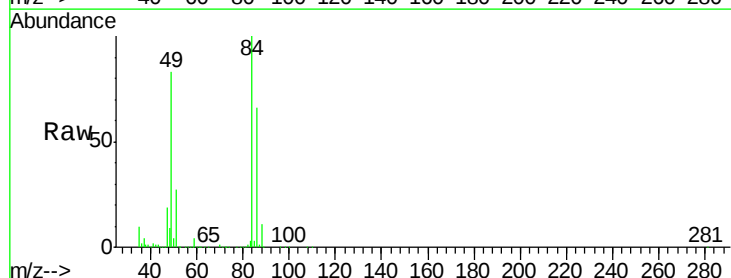
Ion Ratio Lower Upper

84 100

49 82.6 118.6 177.8#

51 26.5 36.4 54.6#

86 66.5 50.2 75.4

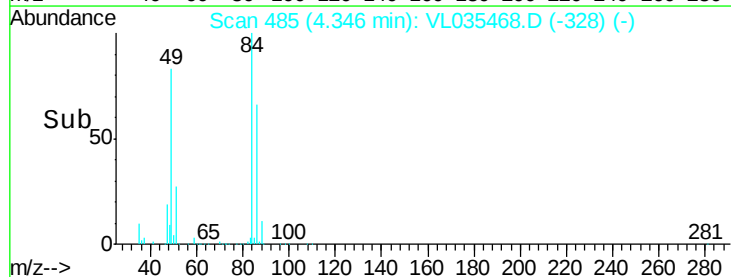
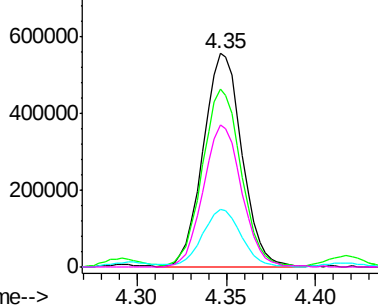


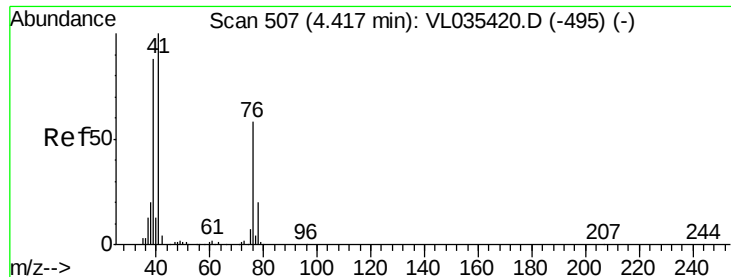
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





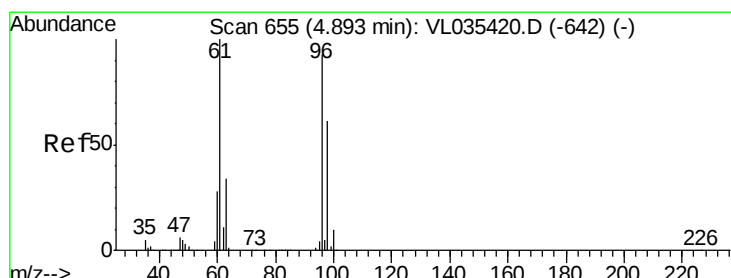
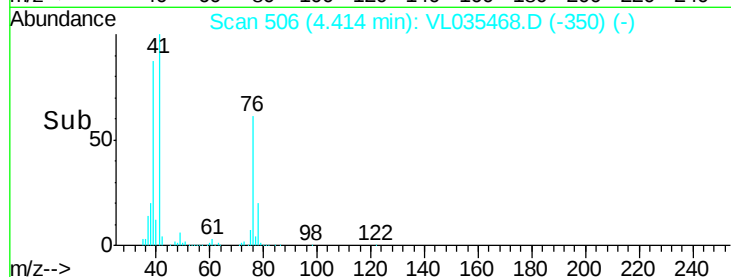
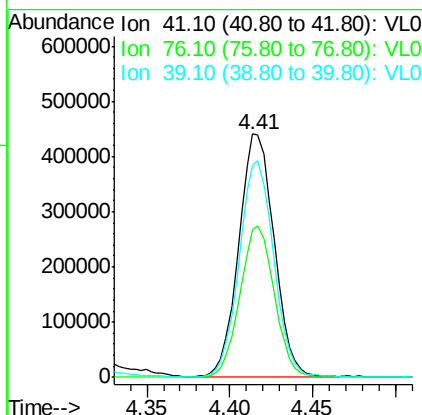
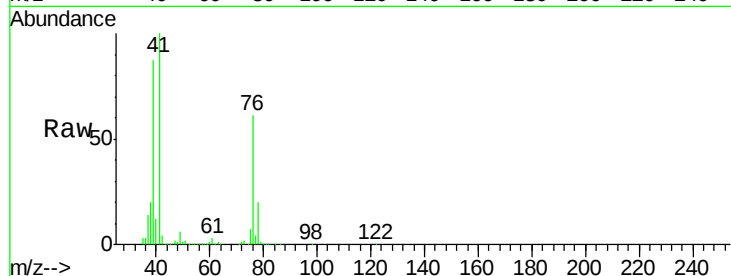
#21
Allvl Chloride
Concen: 11.004 ppbv
RT: 4.41 min Scan# 506
Delta R.T. 0.00 min
Lab File: VL035468.D
Acq: 19 Aug 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	60.7	22.8	34.2#
39	87.4	66.2	99.2

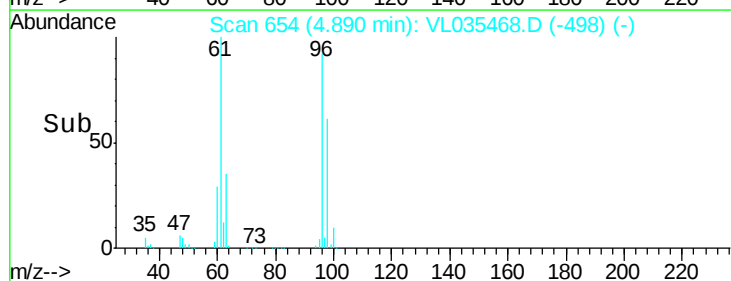
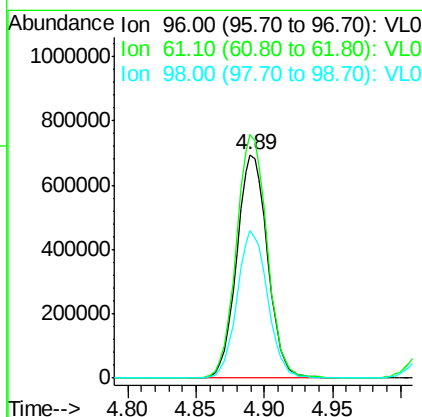
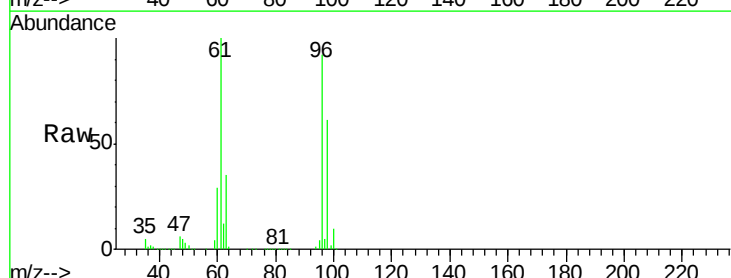
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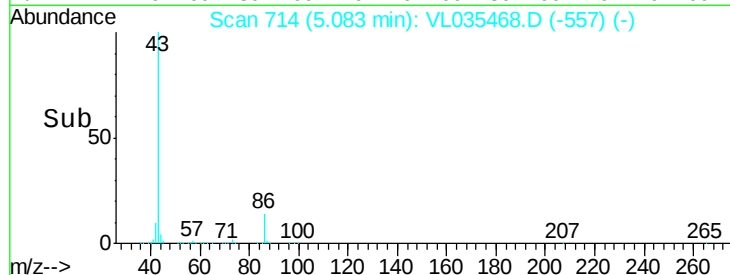
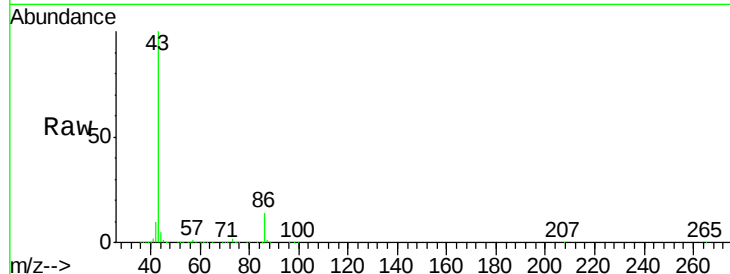
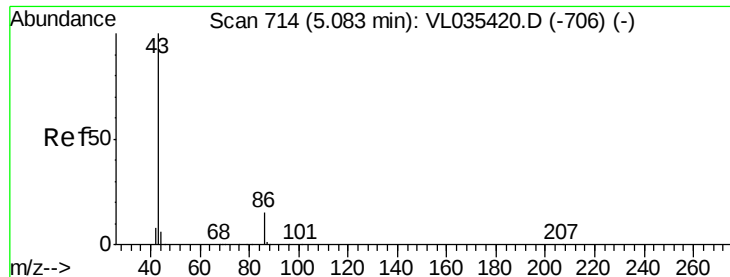
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#22
trans-1,2-Dichloroethene
Concen: 10.513 ppbv
RT: 4.89 min Scan# 654
Delta R.T. 0.00 min
Lab File: VL035468.D
Acq: 19 Aug 2020 13:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	108.9	142.2	213.2#
98	66.1	51.8	77.8





#23

Vinyl Acetate

Concen: 10.544 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.00 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Tot Ion: 43 Resp: 1760597

Ion	Ratio	Lower	Upper
43	100		
86	14.4	6.5	9.7#
42	9.9	8.3	12.5
44	5.2	4.0	6.0

Instrument :

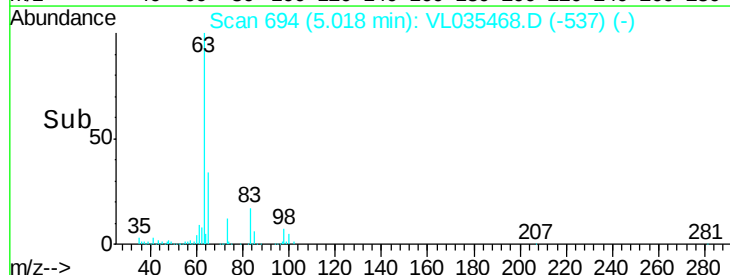
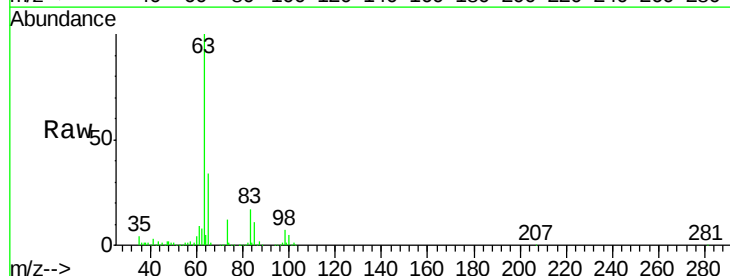
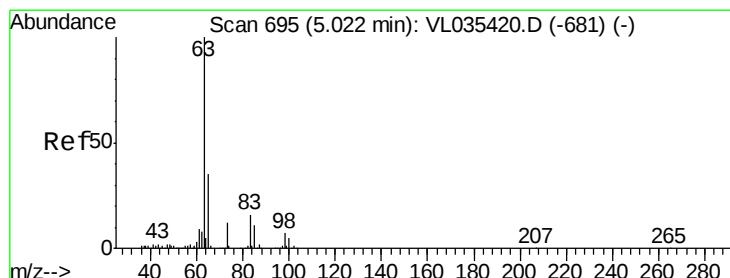
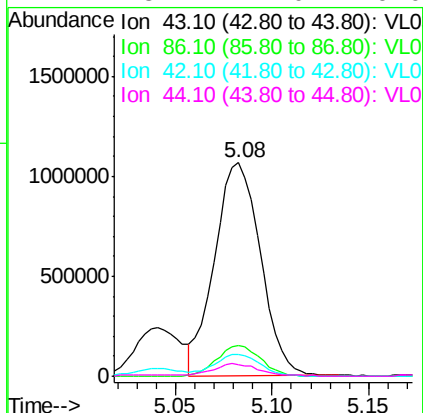
MSVOA_L

ClientSampleId :

VSTDCCC010EC

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#24

1,1-Dichloroethane

Concen: 10.419 ppbv

RT: 5.02 min Scan# 694

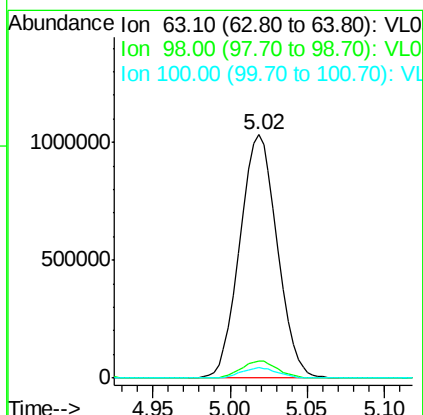
Delta R.T. 0.00 min

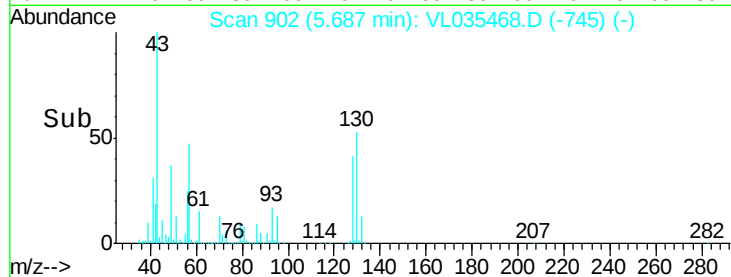
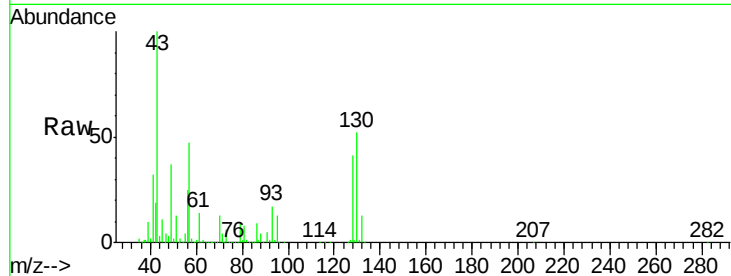
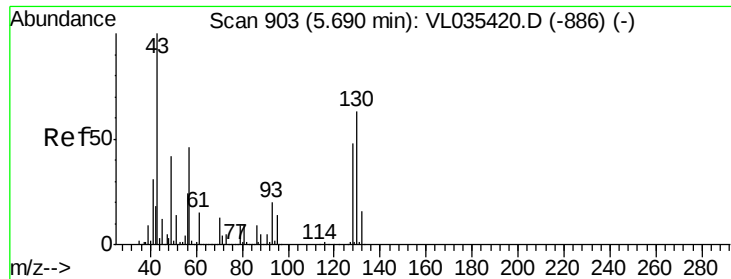
Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Tgt Ion: 63 Resp: 1736175

Ion	Ratio	Lower	Upper
63	100		
98	6.9	2.1	6.5#
100	4.5	1.3	3.8#





#25

Ethyl Acetate

Concen: 10.026 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Tot Ion: 43 Resp: 2278721

Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.3	12.5
61	13.4	7.6	11.4#
70	12.0	6.0	9.0#

Instrument :

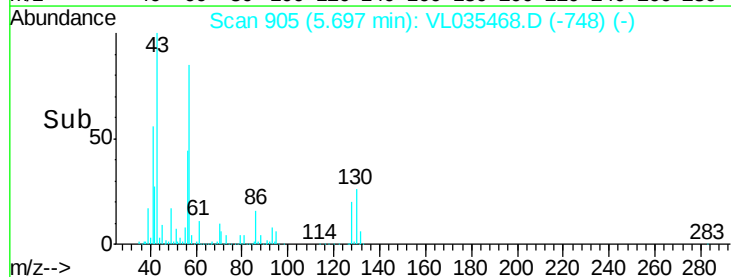
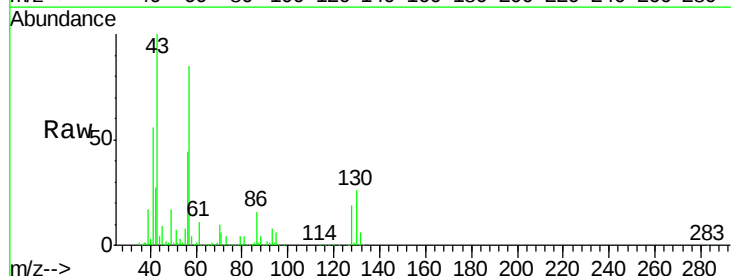
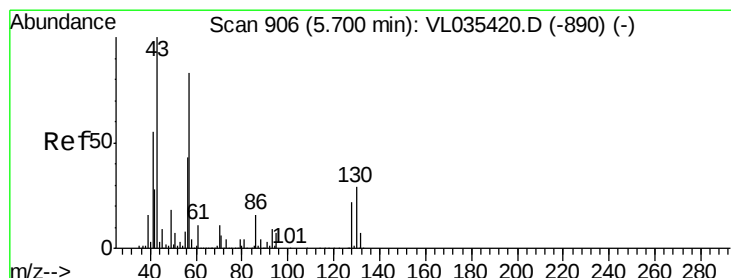
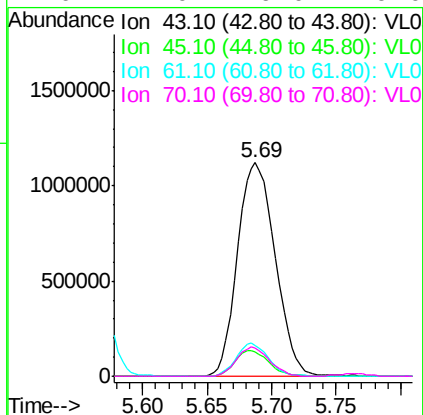
MSVOA_L

ClientSampleId :

VSTDCCC010EC

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#26

Hexane

Concen: 10.241 ppbv

RT: 5.70 min Scan# 905

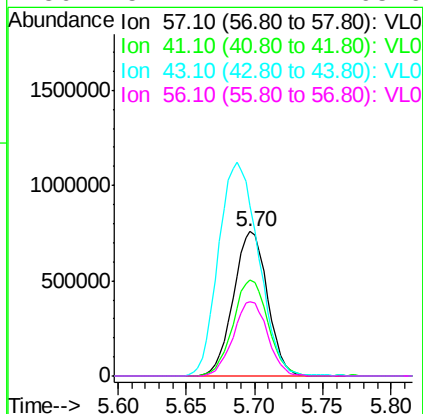
Delta R.T. 0.00 min

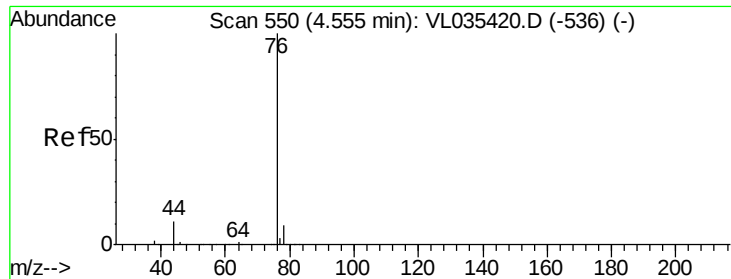
Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Tgt Ion: 57 Resp: 1313496

Ion	Ratio	Lower	Upper
57	100		
41	69.1	75.5	113.3#
43	174.2	181.7	272.5#
56	52.1	42.4	63.6





#27

Carbon Disulfide

Concen: 11.458 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.00 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 2124369

Ion Ratio Lower Upper

76 100

44 11.2 16.8 25.2#

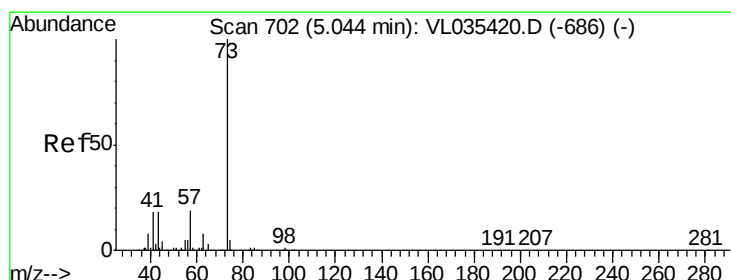
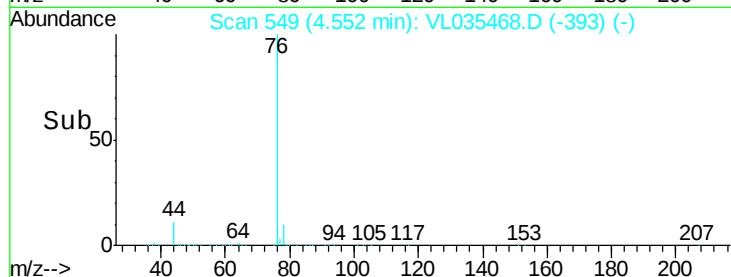
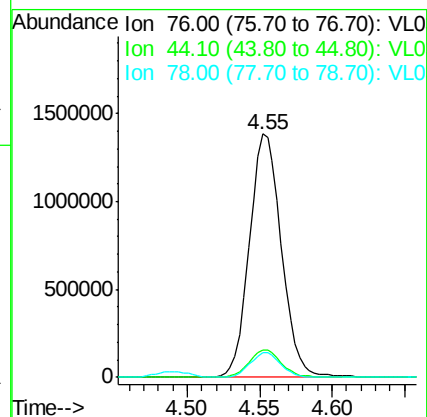
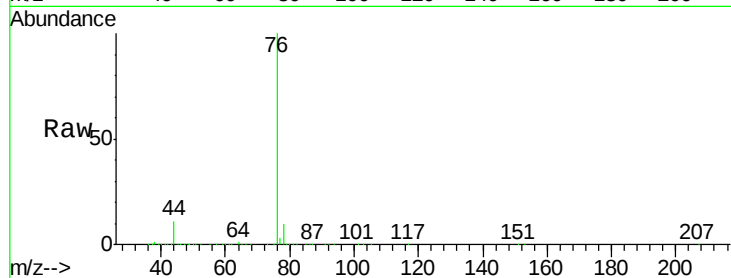
78 10.1 7.3 10.9

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 10.614 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.00 min

Lab File: VL035468.D

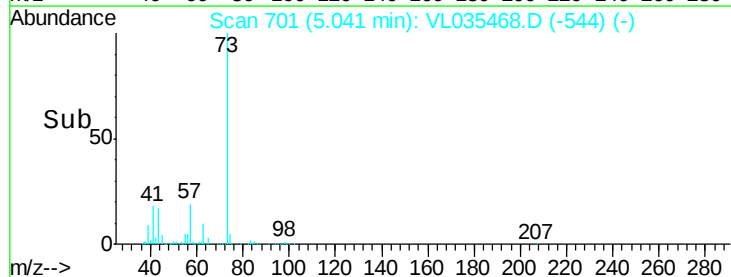
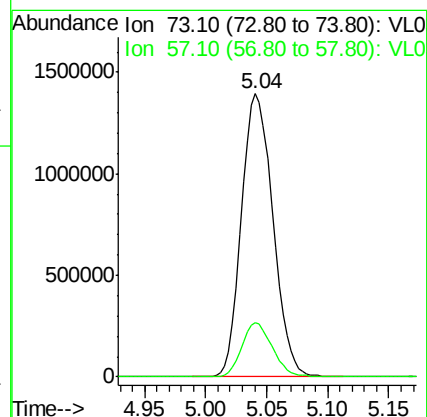
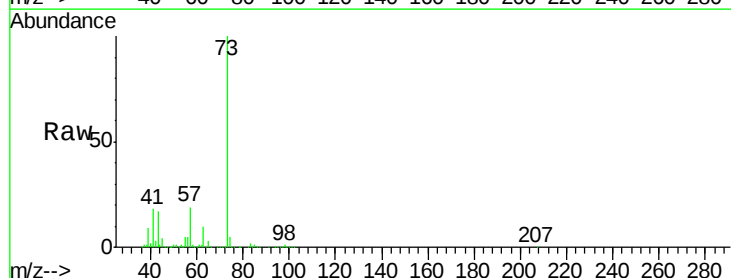
Acq: 19 Aug 2020 13:47

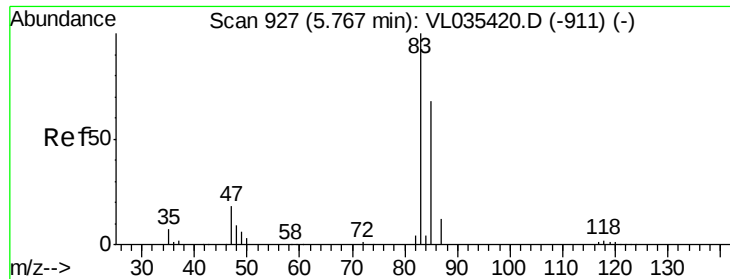
Tgt Ion: 73 Resp: 2486925

Ion Ratio Lower Upper

73 100

57 18.6 18.3 27.5





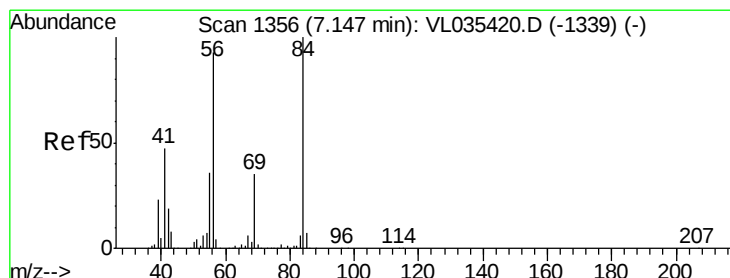
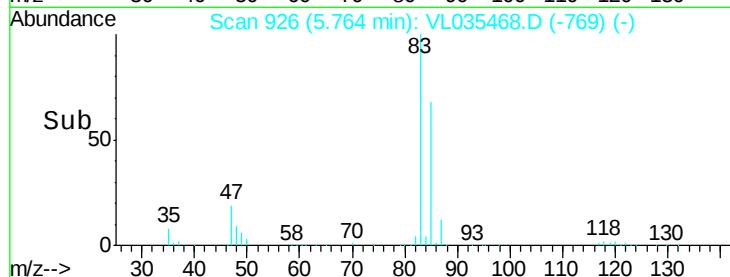
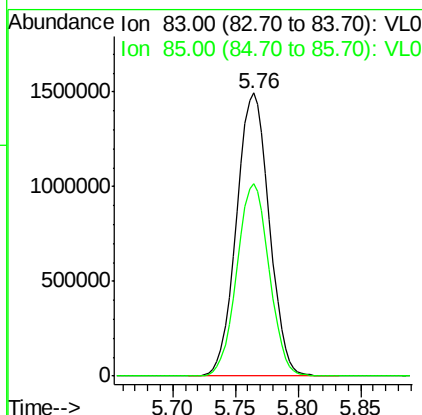
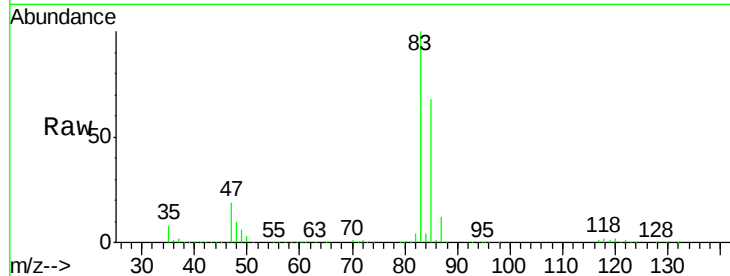
#29
Chloroform
Concen: 10.532 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.00 min
Lab File: VL035468.D
Acq: 19 Aug 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2714093
Ion Ratio Lower Upper
83 100
85 67.9 52.7 79.1

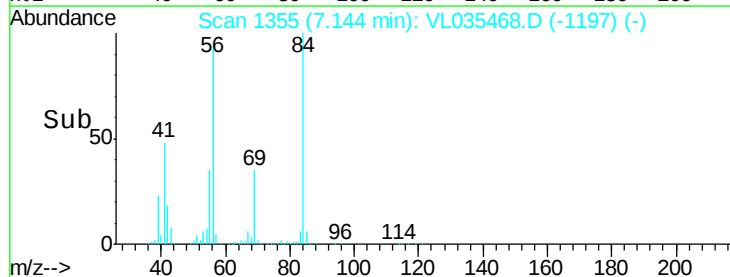
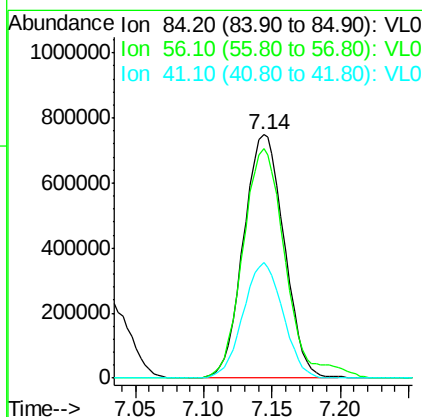
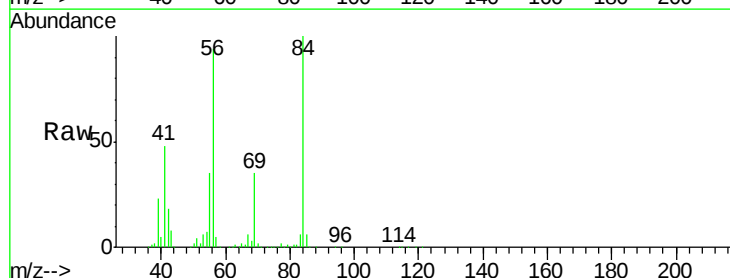
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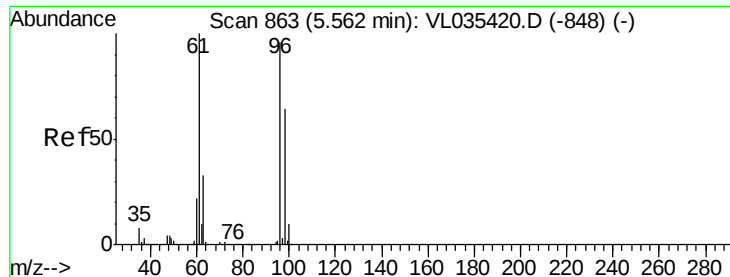
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#30
Cyclohexane
Concen: 10.853 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.01 min
Lab File: VL035468.D
Acq: 19 Aug 2020 13:47

Tgt Ion: 84 Resp: 1544455
Ion Ratio Lower Upper
84 100
56 99.0 114.9 172.3#
41 46.7 72.3 108.5#





#31

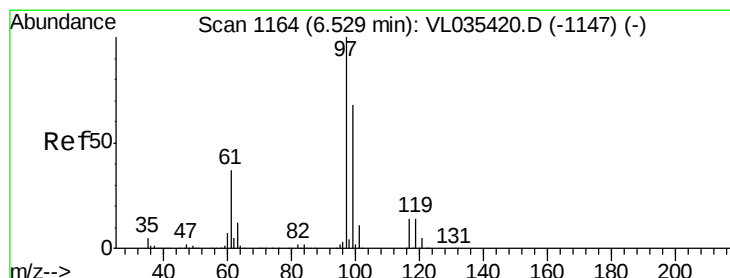
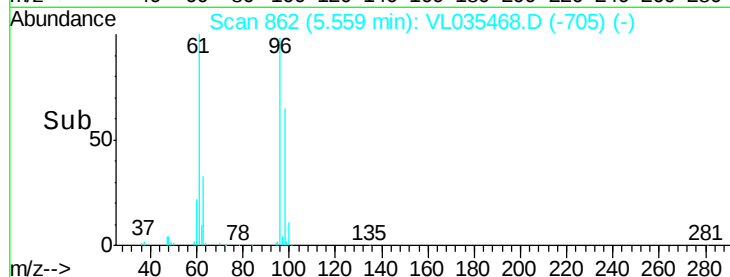
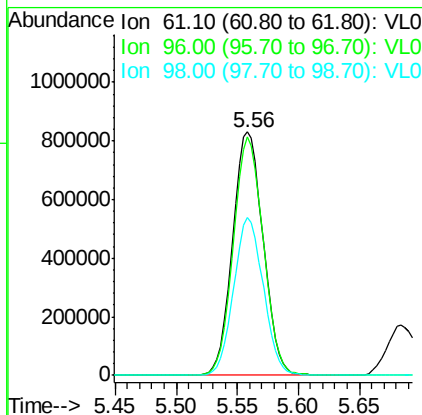
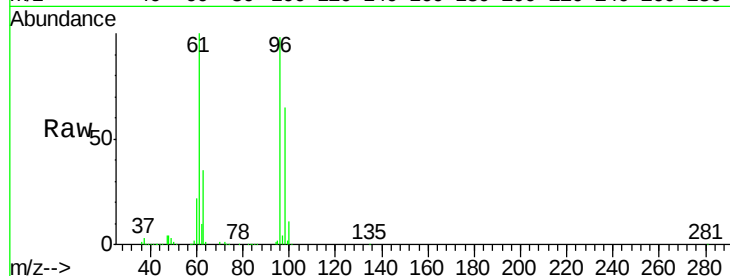
cis-1,2-Dichloroethene
Concen: 10.733 ppbv
RT: 5.56 min Scan# 862
Delta R.T. 0.00 min
Lab File: VL035468.D
Acq: 19 Aug 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	97.8	51.4	77.0#
98	64.7	32.9	49.3#

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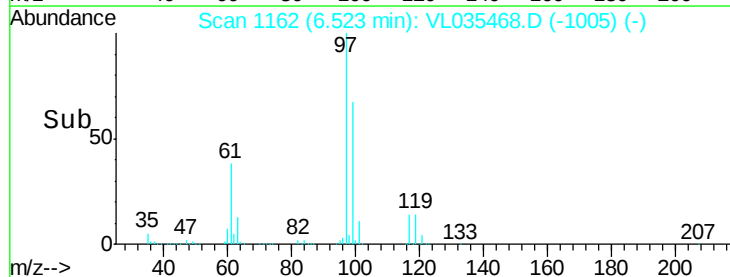
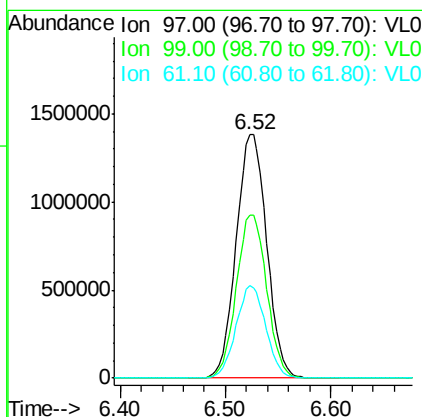
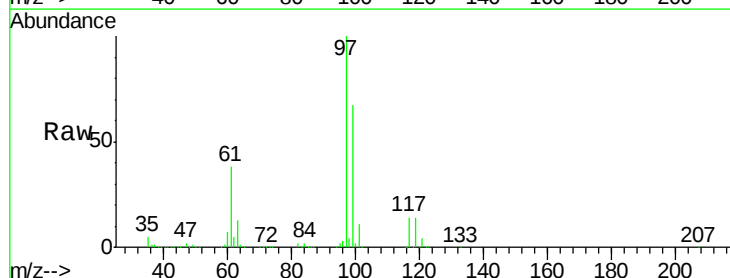
MMDadoda
8/20/2020 11:08:01 AM

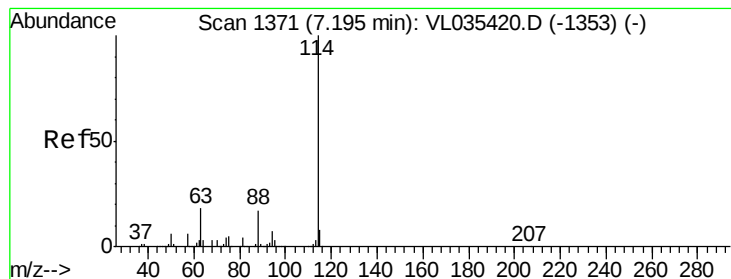


#32

1,1,1-Trichloroethane
Concen: 11.491 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VL035468.D
Acq: 19 Aug 2020 13:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.6	51.4	77.0
61	37.1	41.0	61.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. 0.00 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:114 Resp: 4757600

Ion Ratio Lower Upper

114 100

63 17.7 23.1 34.7#

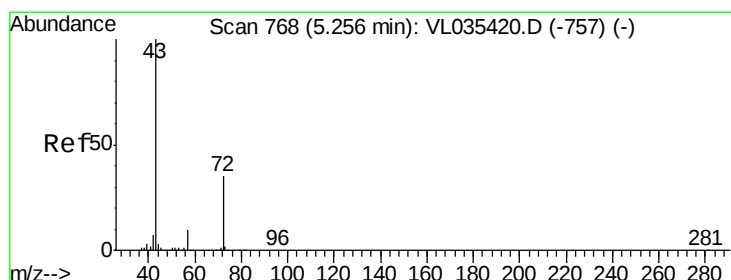
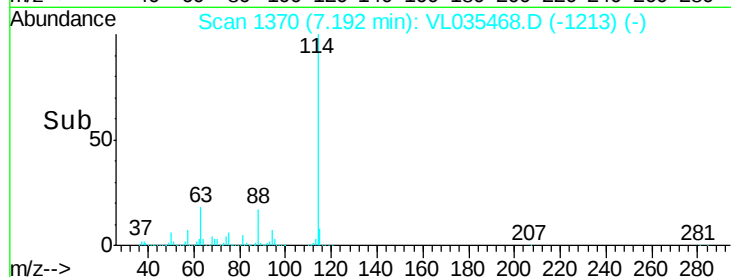
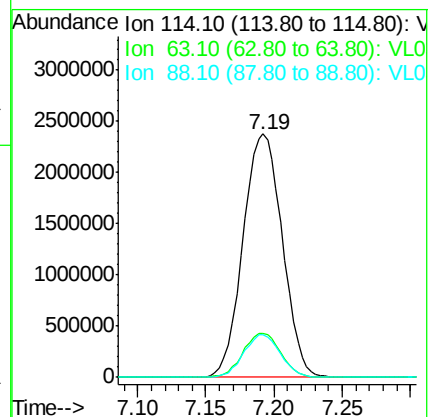
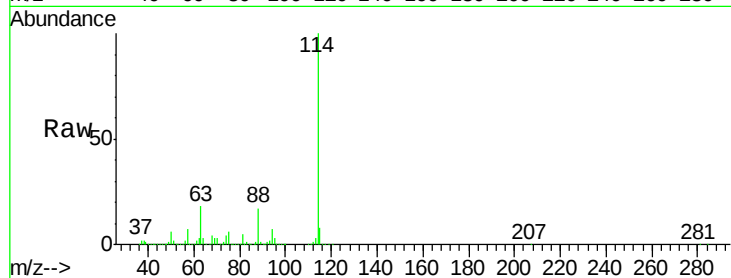
88 16.4 15.9 23.9

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#34

2-Butanone

Concen: 9.943 ppbv

RT: 5.25 min Scan# 767

Delta R.T. 0.00 min

Lab File: VL035468.D

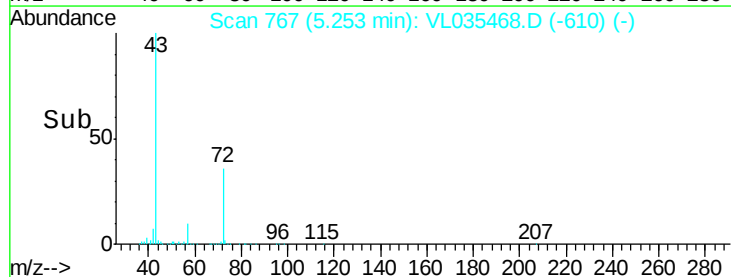
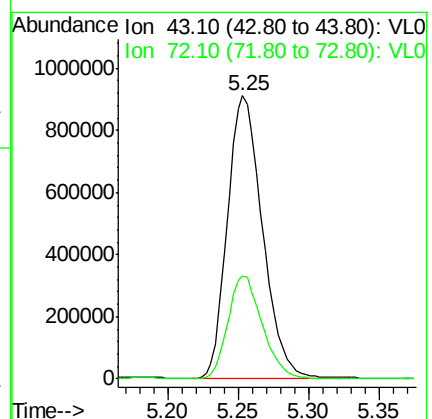
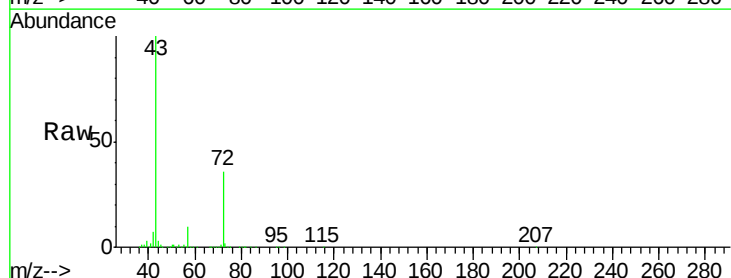
Acq: 19 Aug 2020 13:47

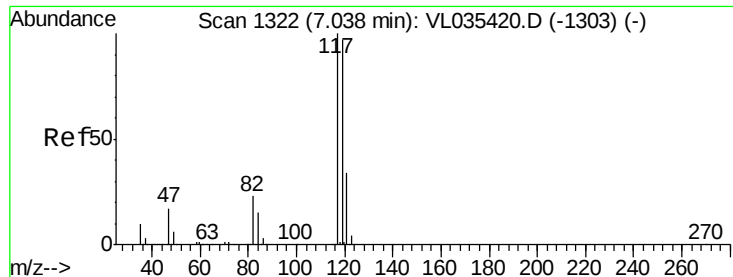
Tgt Ion: 43 Resp: 1580509

Ion Ratio Lower Upper

43 100

72 35.8 17.6 26.4#





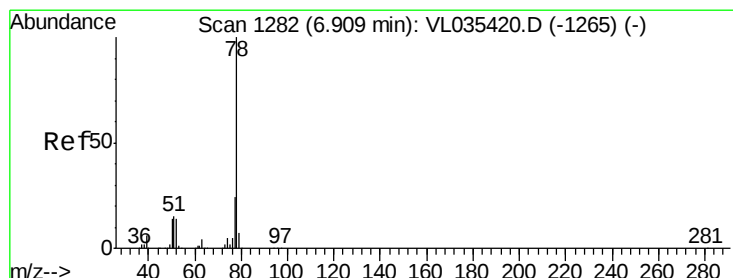
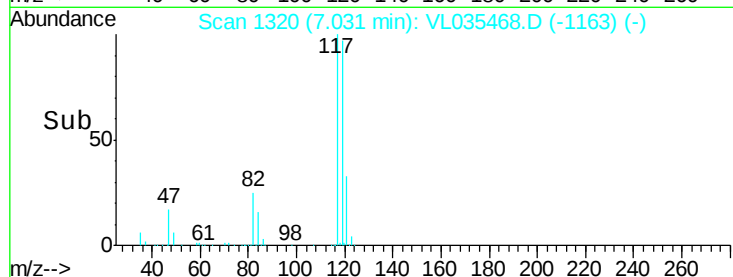
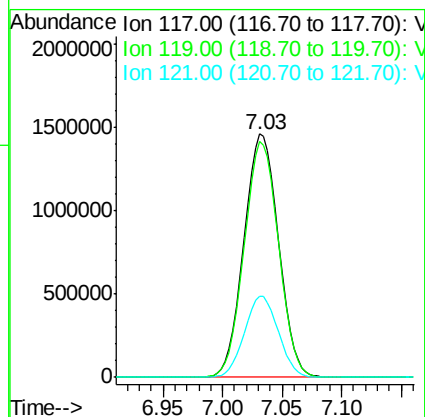
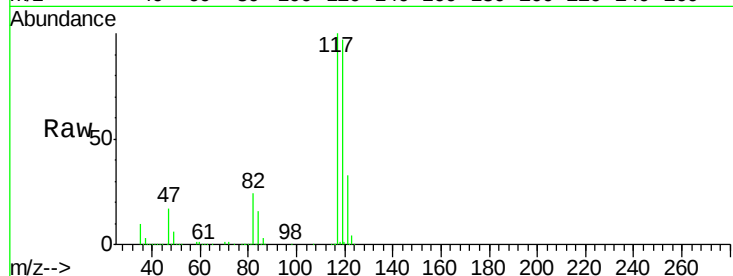
#35
Carbon Tetrachloride
Concen: 11.643 ppbv
RT: 7.03 min Scan# 1320
Delta R.T. 0.00 min
Lab File: VL035468.D
Acq: 19 Aug 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.1	114.1
121	33.2	25.5	38.3

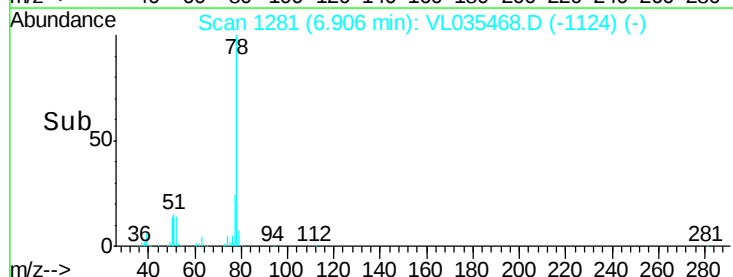
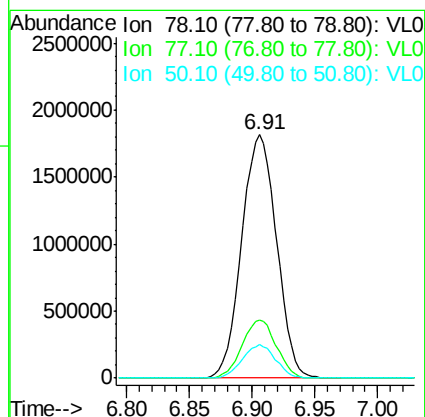
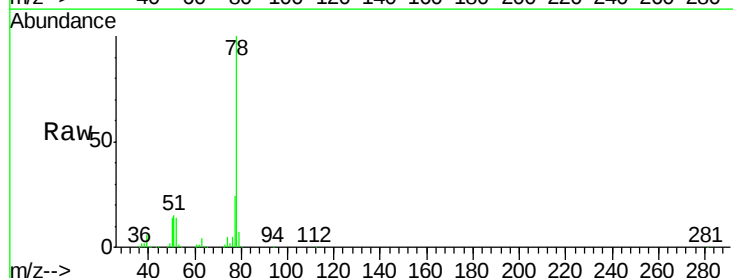
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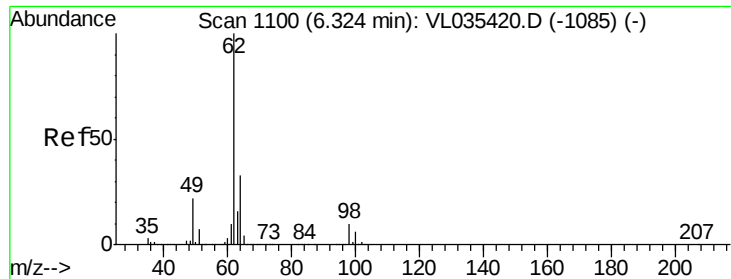
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#36
Benzene
Concen: 10.069 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VL035468.D
Acq: 19 Aug 2020 13:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.6	29.4
50	13.9	16.3	24.5#





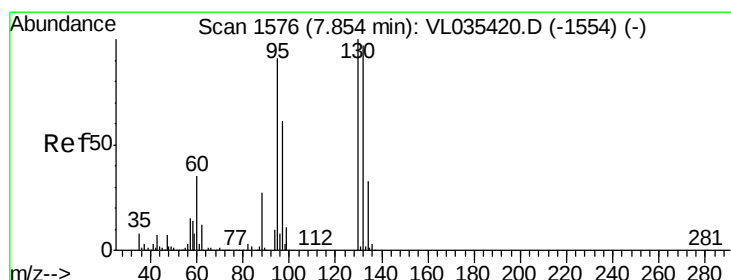
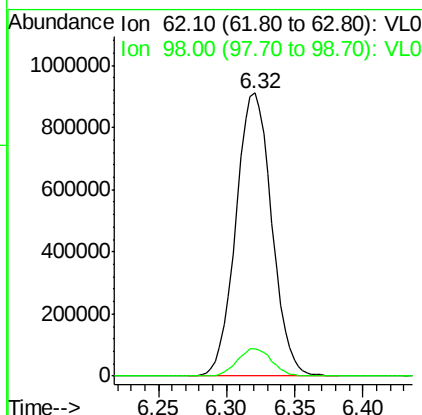
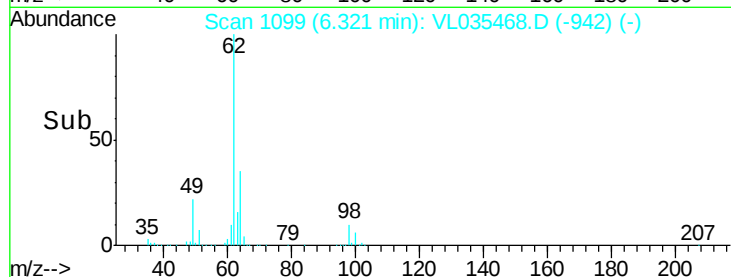
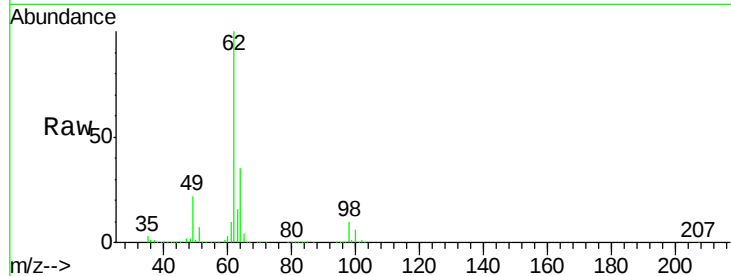
#37
 1,2-Dichloroethane
 Concen: 10.429 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. 0.00 min
 Lab File: VL035468.D
 Acq: 19 Aug 2020 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1664243
 Ion Ratio Lower Upper
 62 100
 98 9.5 4.6 7.0#

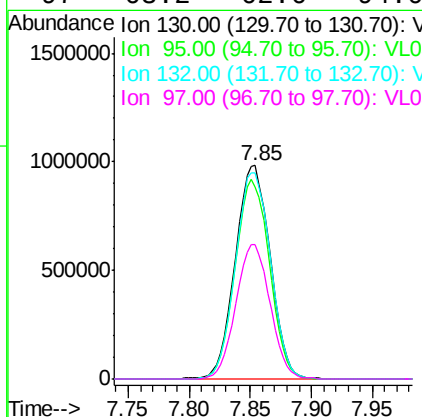
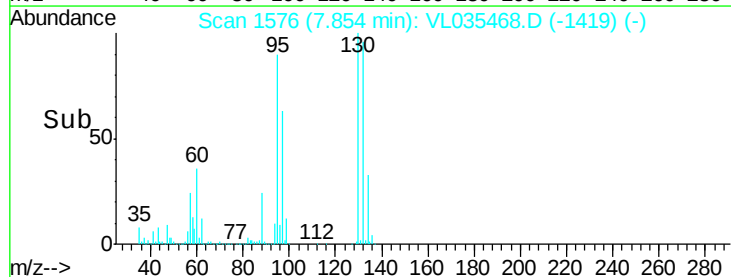
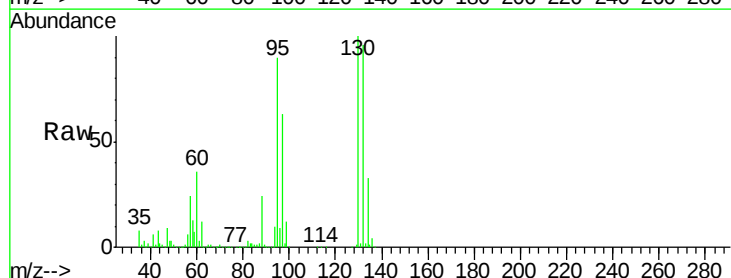
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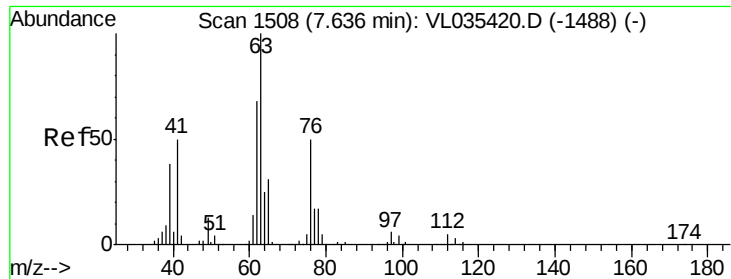
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#38
 Trichloroethene
 Concen: 10.016 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VL035468.D
 Acq: 19 Aug 2020 13:47

Tgt Ion: 130 Resp: 1945423
 Ion Ratio Lower Upper
 130 100
 95 90.2 95.8 143.8#
 132 96.3 74.3 111.5
 97 63.2 62.6 94.0





#39

1,2-Dichloropropane

Concen: 10.249 ppbv

RT: 7.63 min Scan# 1506

Delta R.T. 0.00 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Instrument :

MSVOA_L

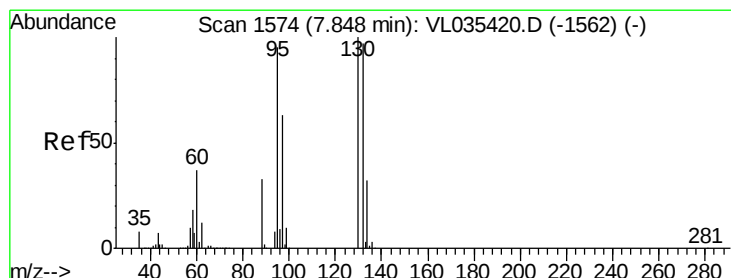
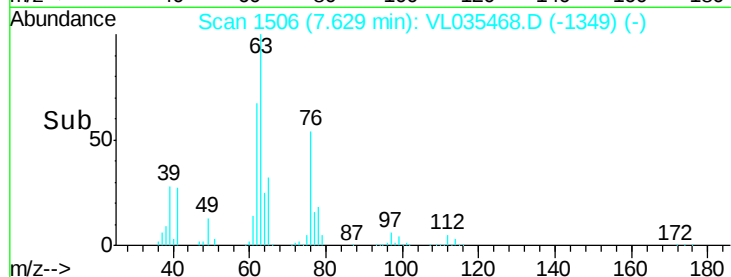
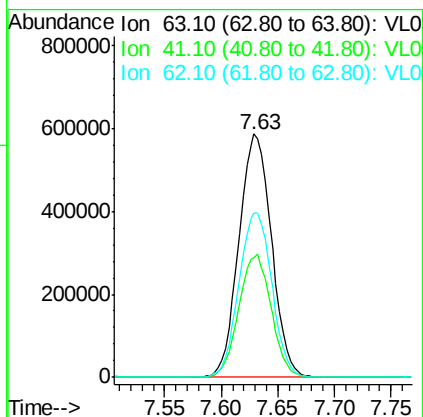
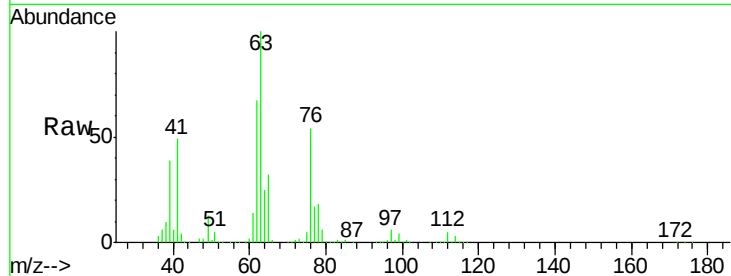
ClientSampleId :

VSTDCCC010EC

Tot Ion:	63	Resp:	1179447
Ion	Ratio	Lower	Upper
63	100		
41	49.1	61.1	91.7#
62	67.4	55.3	82.9

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#40

1,4-Dioxane

Concen: 9.813 ppbv

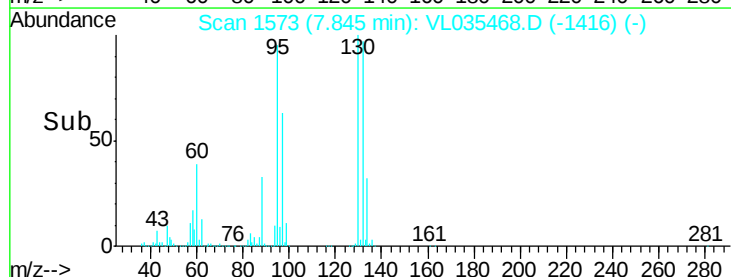
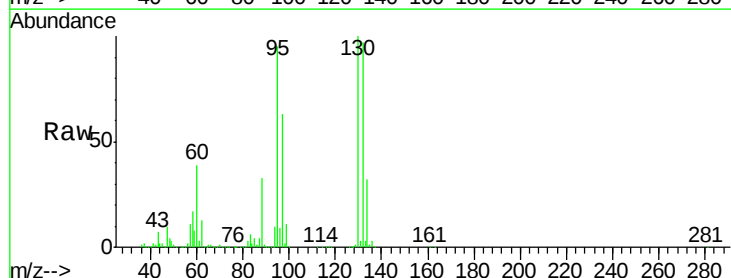
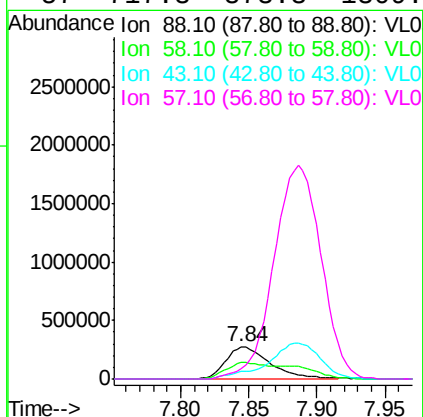
RT: 7.84 min Scan# 1573

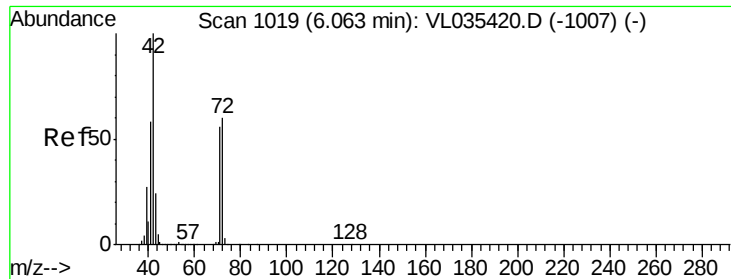
Delta R.T. 0.00 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Tgt Ion:	88	Resp:	615181
Ion	Ratio	Lower	Upper
88	100		
58	87.0	106.6	160.0#
43	132.7	209.7	314.5#
57	717.3	873.3	1309.9#





#41

Tetrahydrofuran

Concen: 10.385 ppbv

RT: 6.06 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Instrument :

MSVOA_L

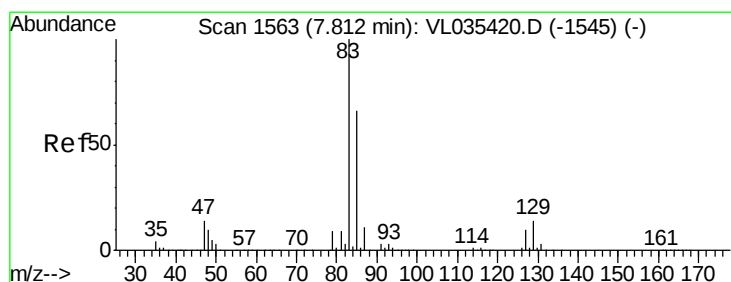
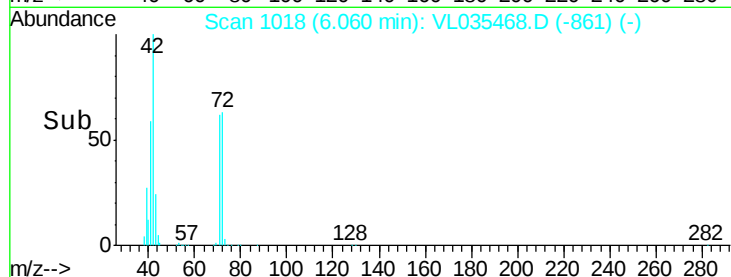
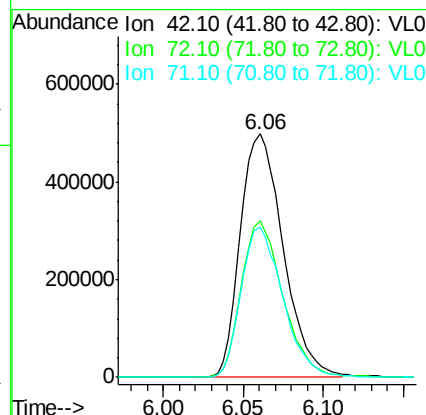
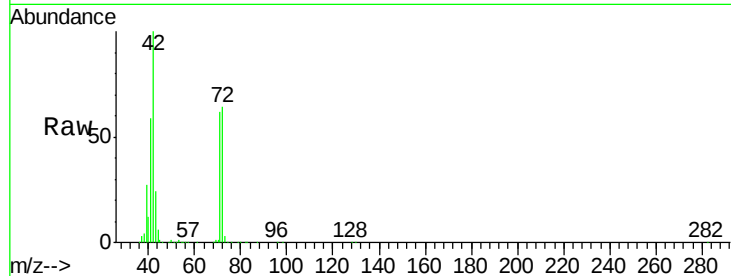
ClientSampleId :

VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	62.9	29.4	44.2#
71	60.4	28.9	43.3#

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#42

Bromodichloromethane

Concen: 10.777 ppbv

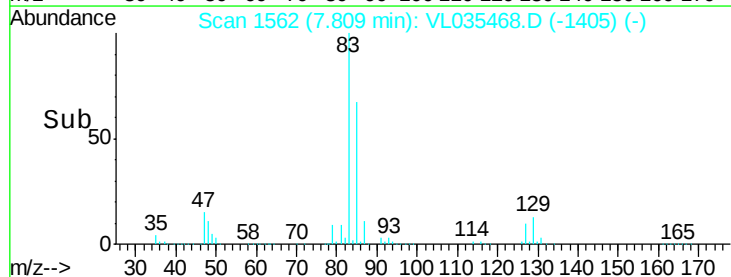
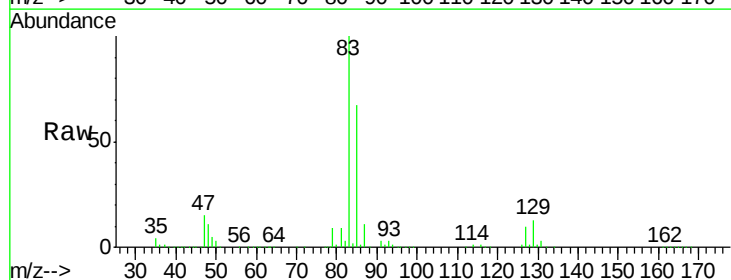
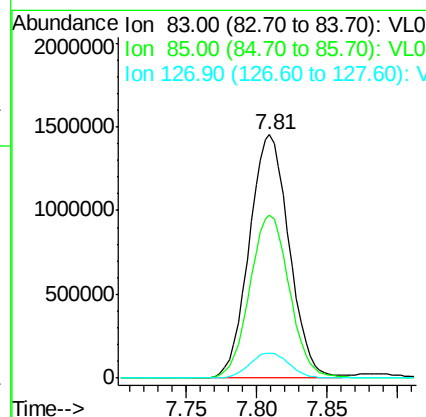
RT: 7.81 min Scan# 1562

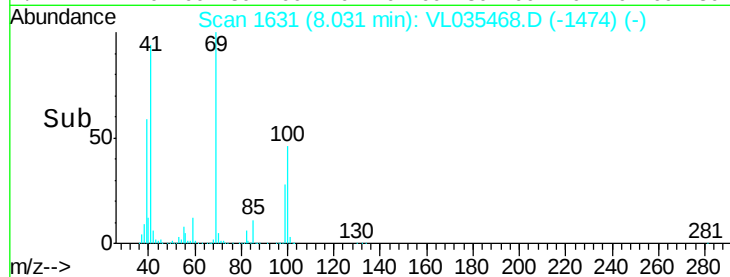
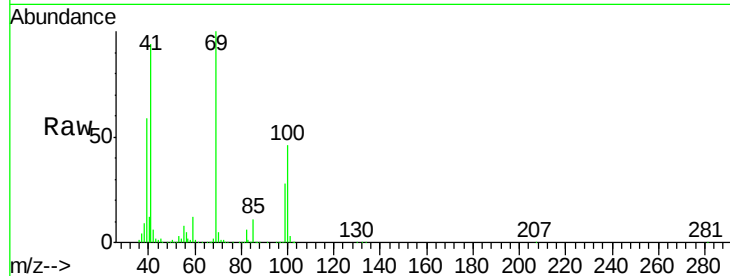
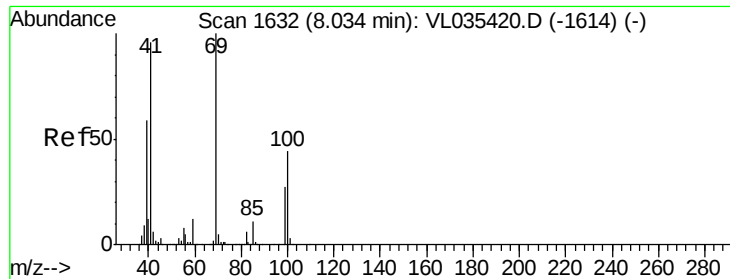
Delta R.T. 0.00 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	54.8	82.2
127	10.0	6.1	9.1#





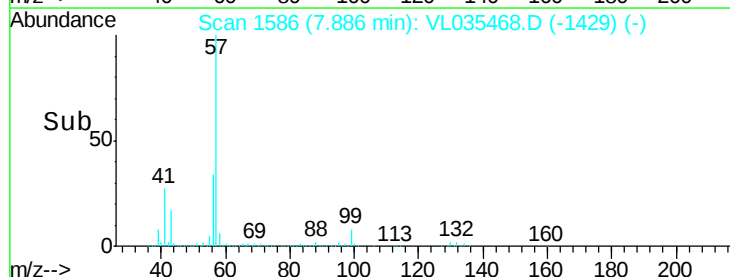
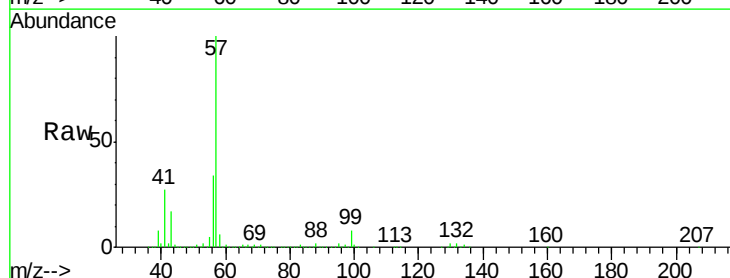
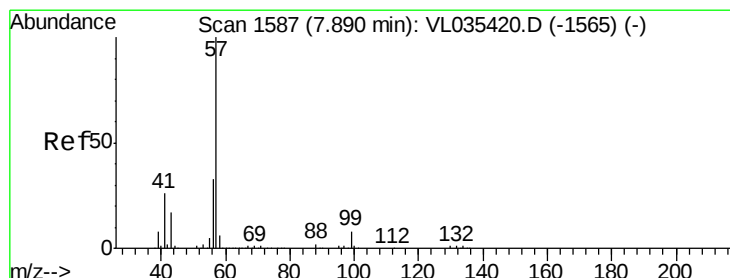
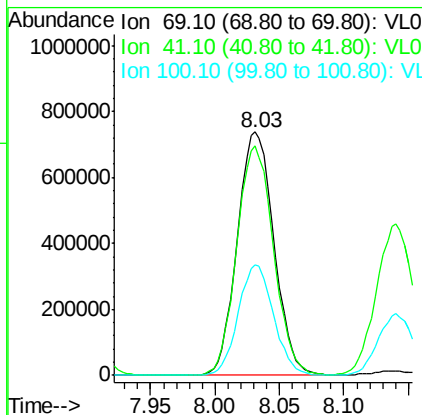
#43
Methvl Methacrilate
Concen: 10.730 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VL035468.D
Acq: 19 Aug 2020 13:47

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	94.3	123.4	185.0#	
100	43.8	24.2	36.4#	

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

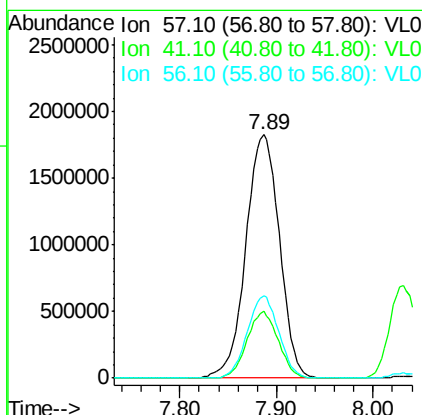
Manual Integrations
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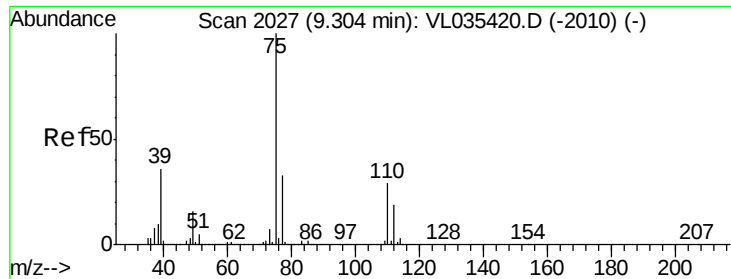
MMDadoda
8/20/2020 11:08:01 AM



#44
2,2,4-Trimethylpentane
Concen: 9.673 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VL035468.D
Acq: 19 Aug 2020 13:47

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	25.5	27.2	40.8#	
56	31.6	25.4	38.0	





#45

t-1,3-Dichloropropene

Concen: 12.062 ppbv

RT: 9.30 min Scan# 2025

Delta R.T. 0.00 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Tot Ion: 75 Resp: 1696616

Ion Ratio Lower Upper

75 100

77 34.8 25.0 37.6

Instrument :

MSVOA_L

ClientSampleId :

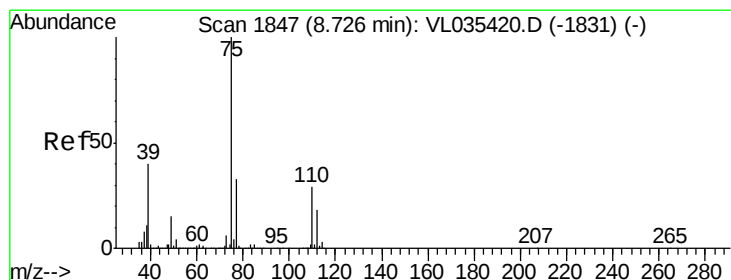
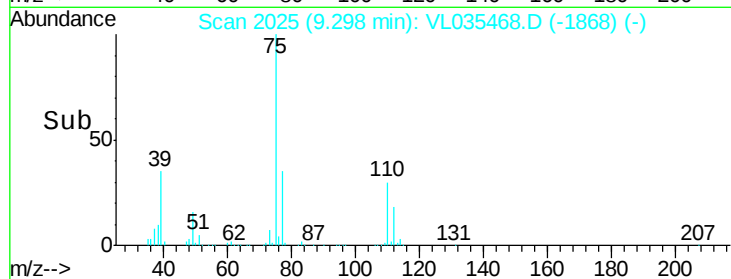
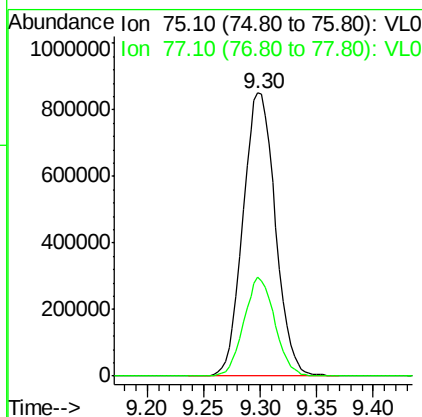
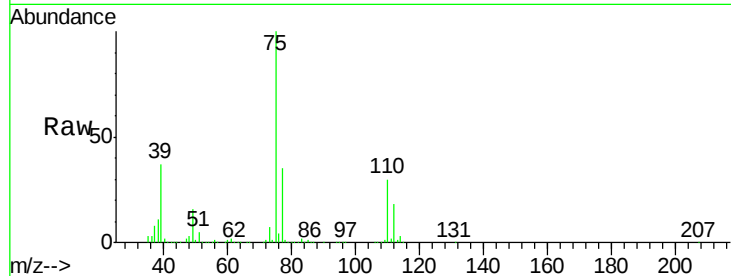
VSTDCCC010EC

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#46

cis-1,3-Dichloropropene

Concen: 11.290 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. 0.01 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

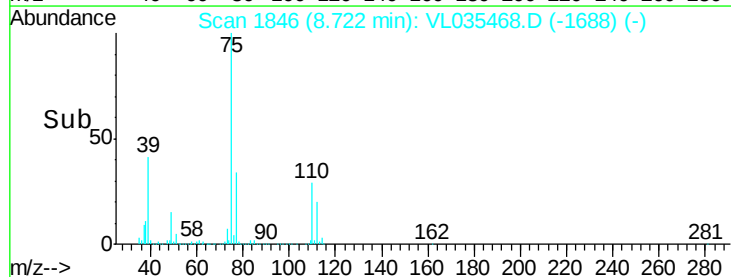
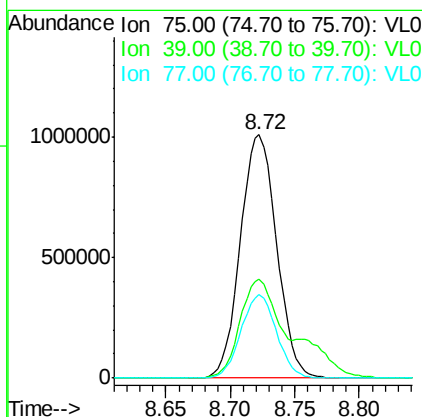
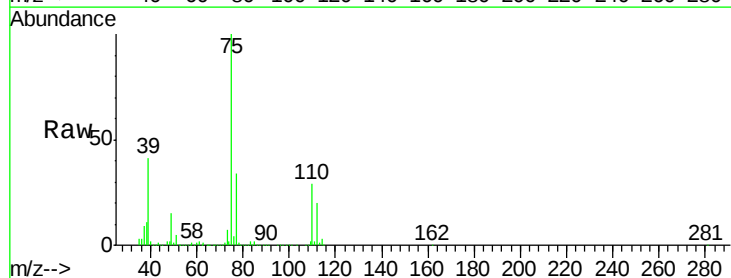
Tgt Ion: 75 Resp: 1978226

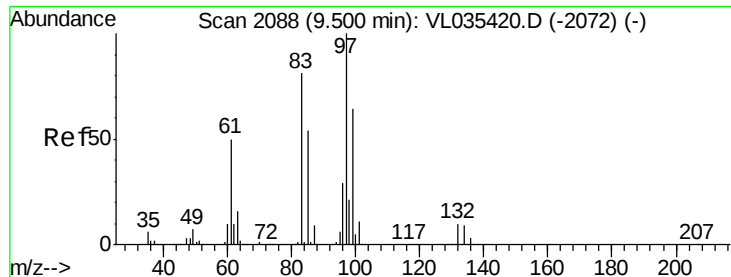
Ion Ratio Lower Upper

75 100

39 40.8 55.8 83.6#

77 34.4 25.6 38.4





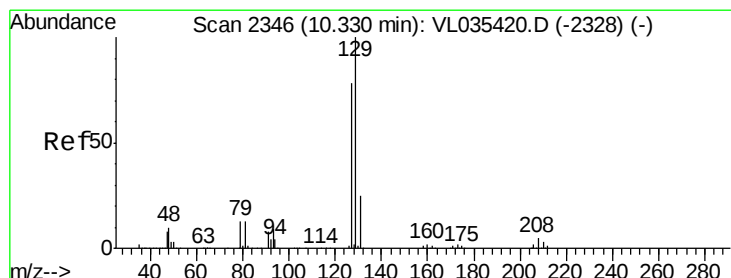
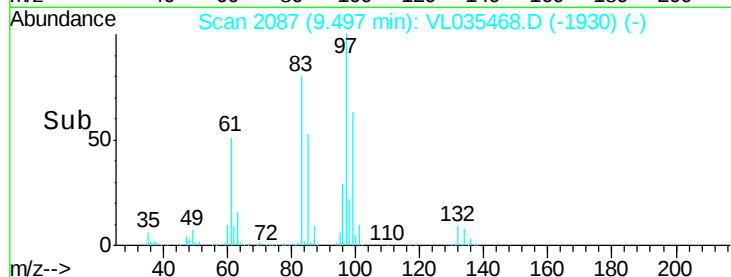
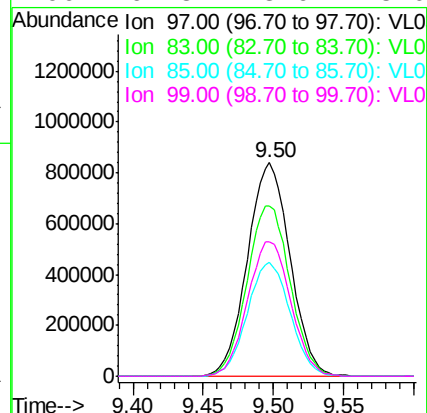
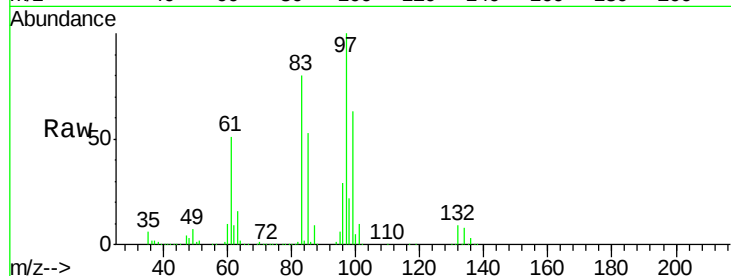
#47
 1,1,2-Trichloroethane
 Concen: 10.340 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VL035468.D
 Acq: 19 Aug 2020 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	79.6	72.1	108.1	
85	53.4	46.8	70.2	
99	62.8	48.6	73.0	

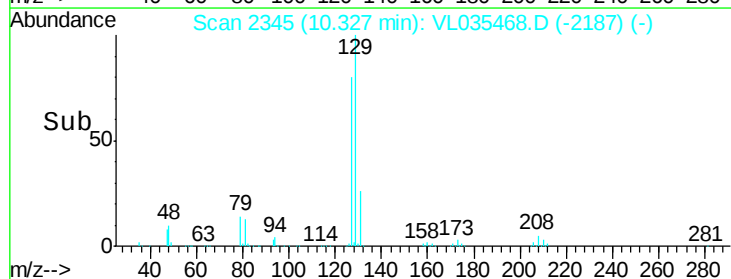
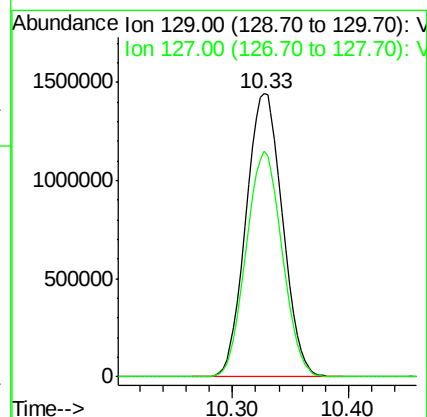
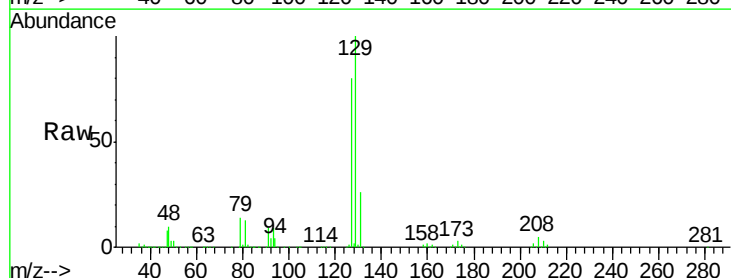
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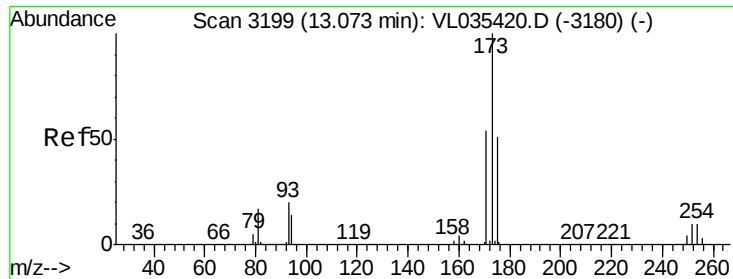
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#48
 Dibromochloromethane
 Concen: 11.027 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. 0.01 min
 Lab File: VL035468.D
 Acq: 19 Aug 2020 13:47

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.5	39.5	118.5	





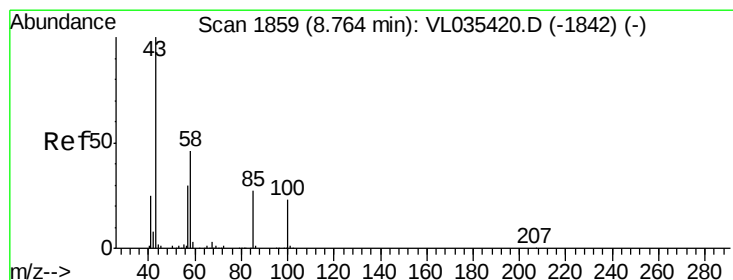
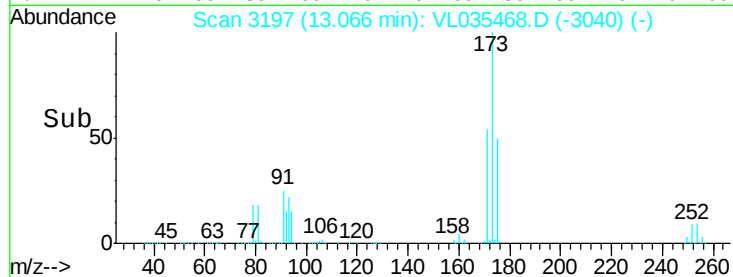
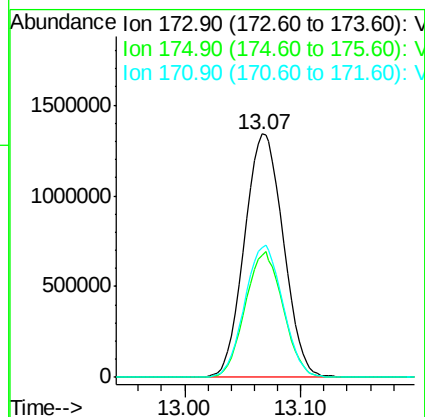
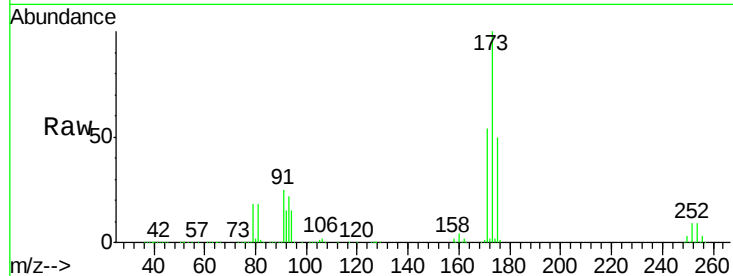
#49
Bromoform
Concen: 11.280 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. 0.00 min
Lab File: VL035468.D
Acq: 19 Aug 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:173 Resp: 3133585
Ion Ratio Lower Upper
173 100
175 50.3 39.8 59.8
171 53.4 42.4 63.6

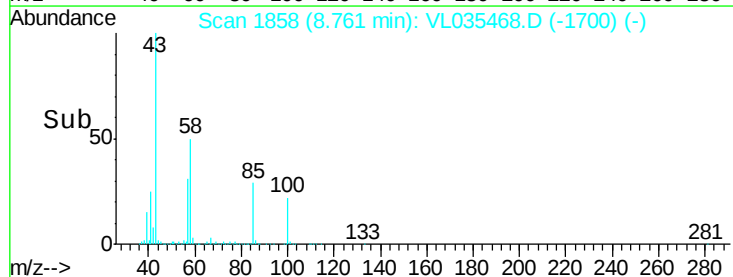
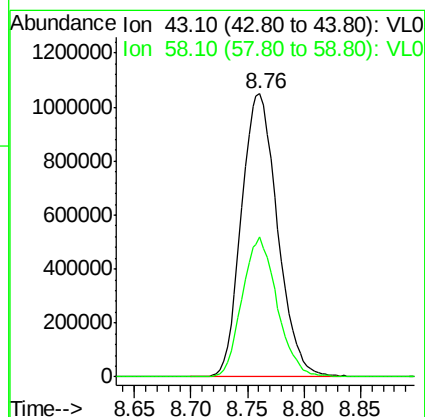
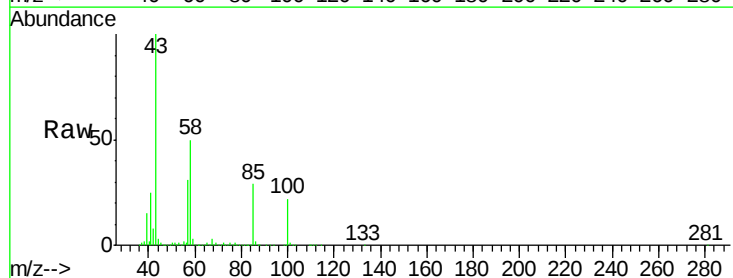
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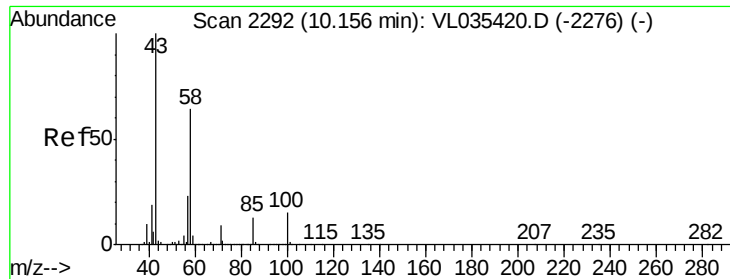
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 10.241 ppbv
RT: 8.76 min Scan# 1858
Delta R.T. 0.01 min
Lab File: VL035468.D
Acq: 19 Aug 2020 13:47

Tgt Ion: 43 Resp: 2335177
Ion Ratio Lower Upper
43 100
58 47.7 28.7 43.1#





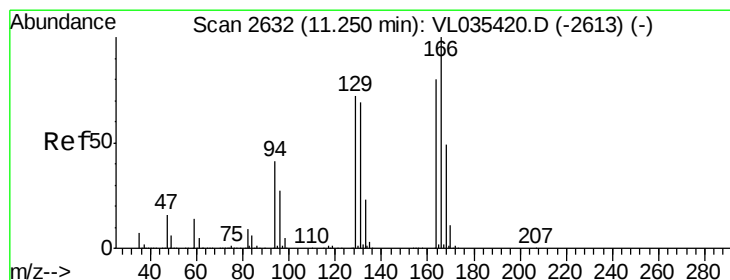
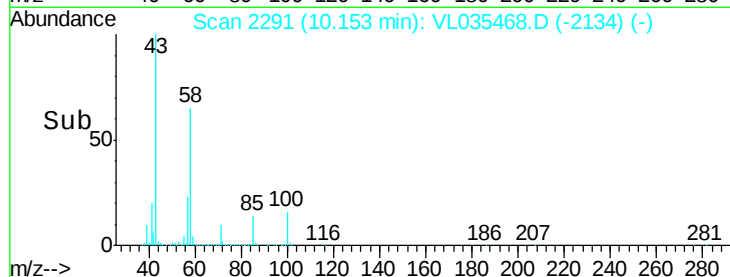
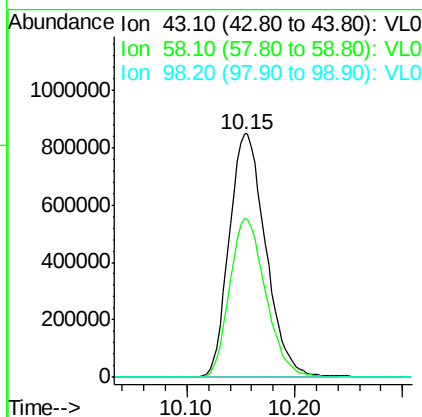
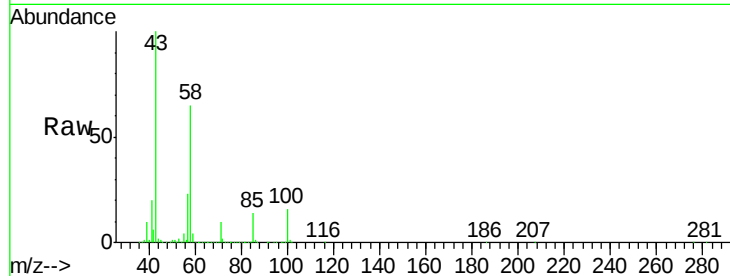
#51
2-Hexanone
Concen: 10.408 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VL035468.D
Acq: 19 Aug 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 2000369
Ion Ratio Lower Upper
43 100
58 64.6 38.6 58.0#
98 0.4 0.2 0.2#

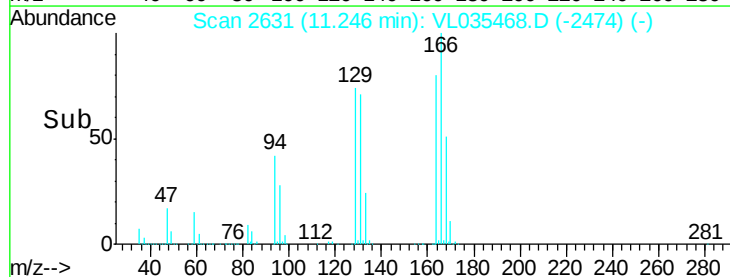
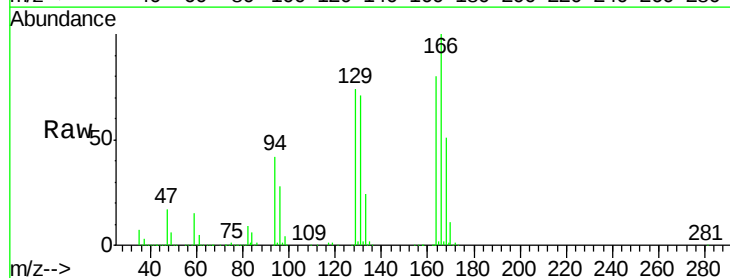
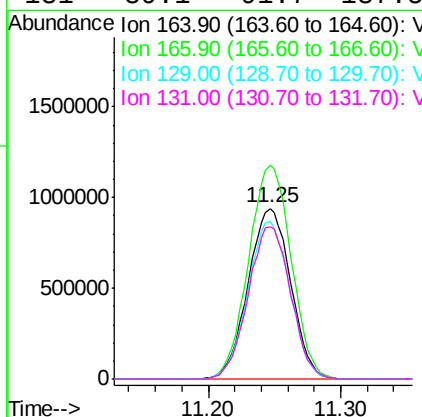
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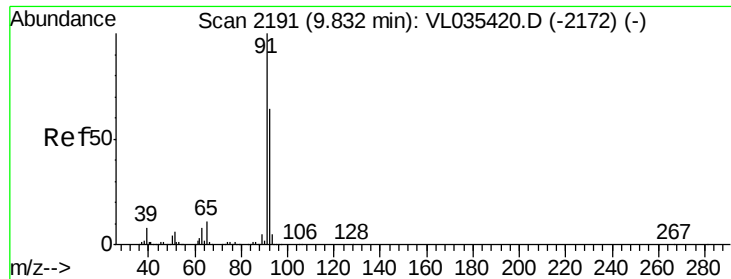
MMDadoda
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#52
Tetrachloroethene
Concen: 9.821 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VL035468.D
Acq: 19 Aug 2020 13:47

Tgt Ion: 164 Resp: 2091853
Ion Ratio Lower Upper
164 100
166 125.1 103.4 155.0
129 92.1 90.2 135.4
131 89.1 91.7 137.5#





#53

Toluene

Concen: 10.128 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.00 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4555179

Ion Ratio Lower Upper

91 100

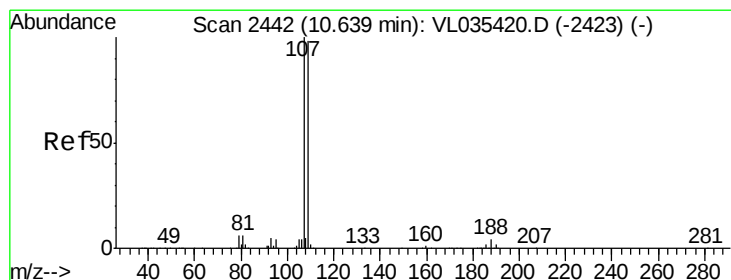
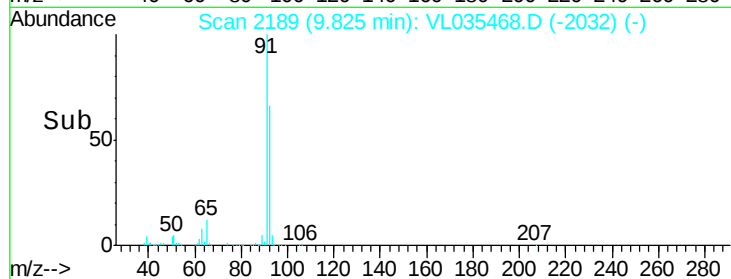
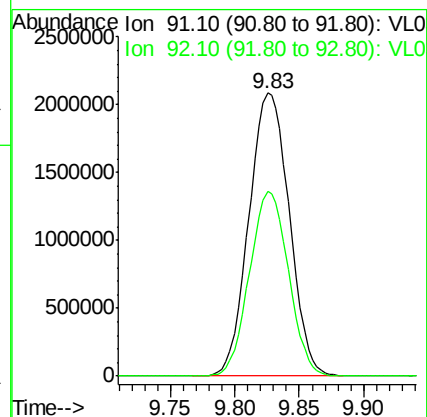
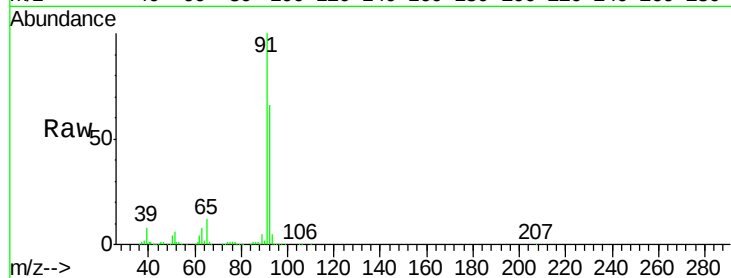
92 63.1 49.1 73.7

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#54

1,2-Dibromoethane

Concen: 10.277 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. 0.00 min

Lab File: VL035468.D

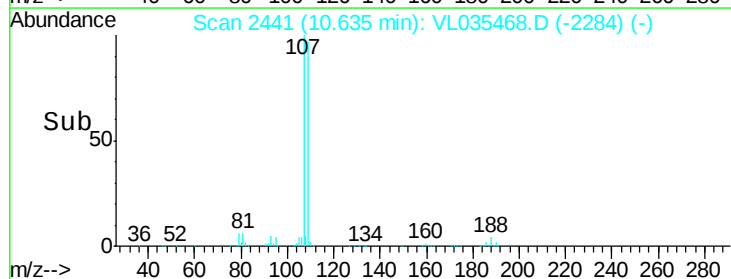
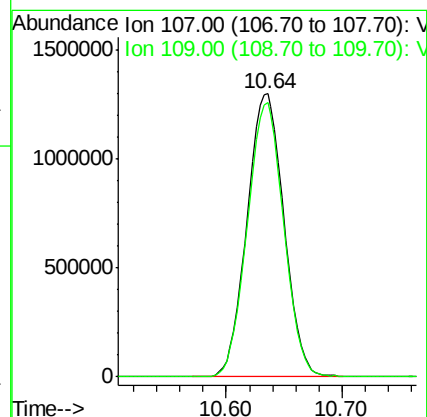
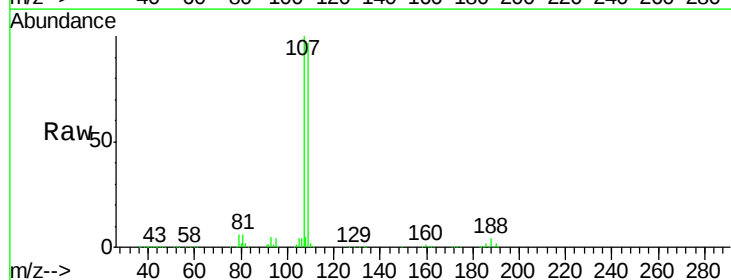
Acq: 19 Aug 2020 13:47

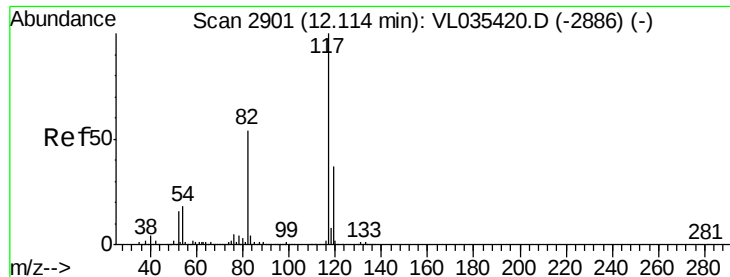
Tgt Ion: 107 Resp: 2869094

Ion Ratio Lower Upper

107 100

109 97.1 75.1 112.7





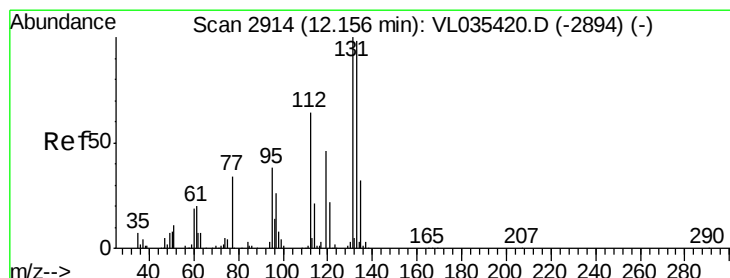
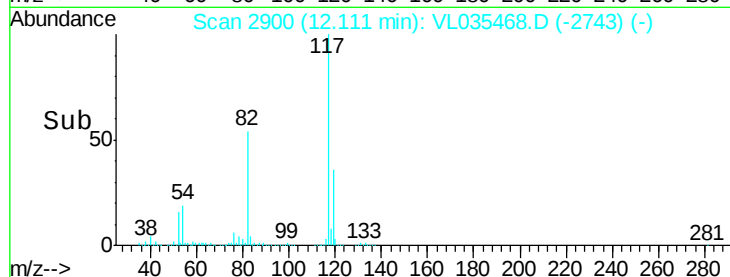
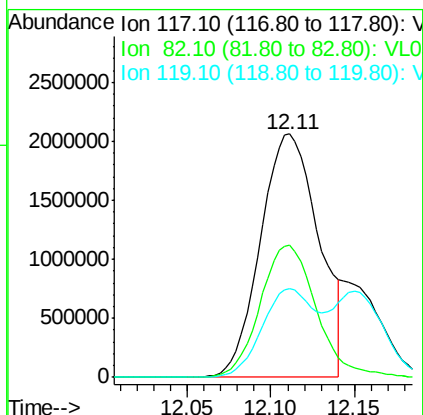
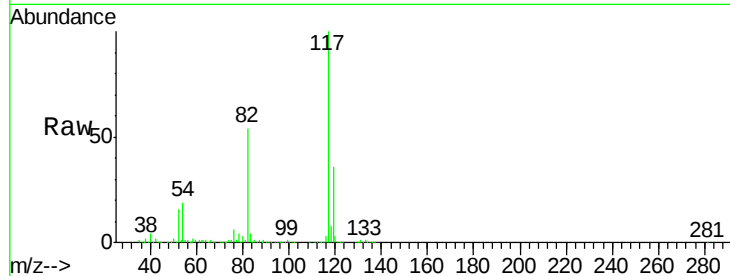
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL035468.D
Acq: 19 Aug 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 5012483
Ion Ratio Lower Upper
117 100
82 52.3 57.4 86.0#
119 35.2 28.4 42.6

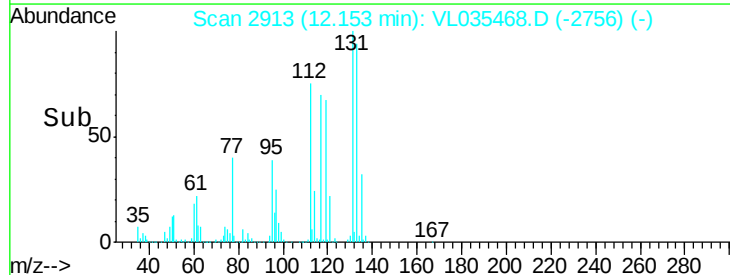
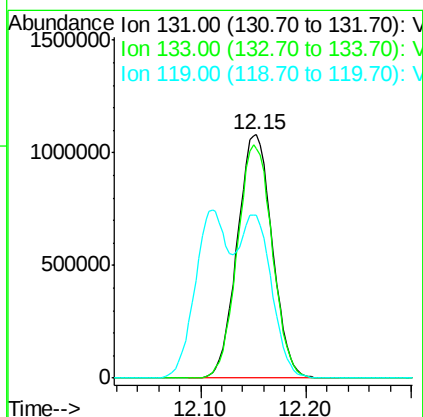
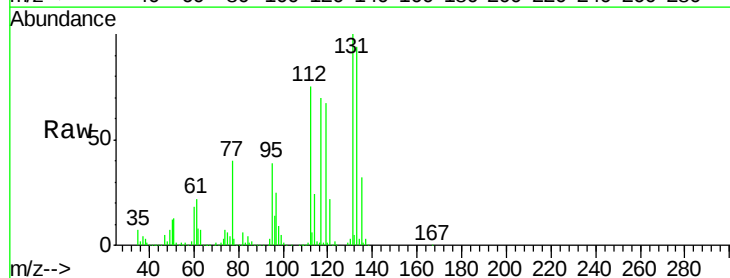
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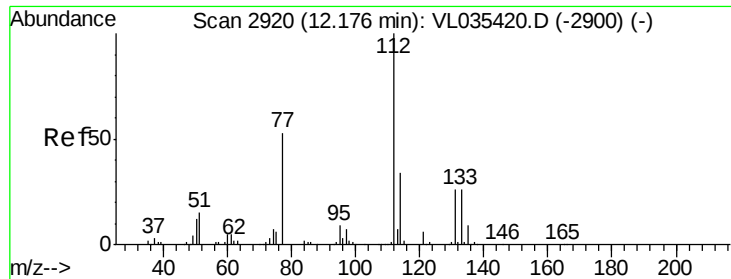
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.460 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL035468.D
Acq: 19 Aug 2020 13:47

Tgt Ion:131 Resp: 2487031
Ion Ratio Lower Upper
131 100
133 95.9 76.1 114.1
119 58.9 50.7 76.1





#57

Chlorobenzene

Concen: 9.518 ppbv

RT: 12.17 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 3982271

Ion Ratio Lower Upper

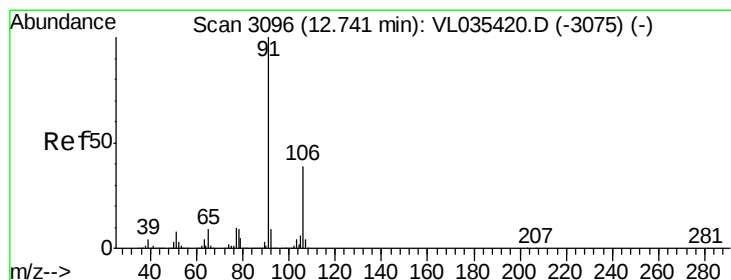
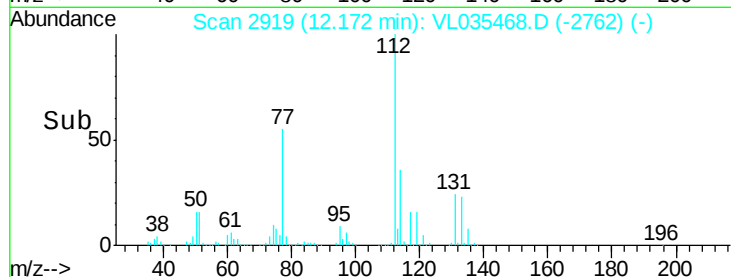
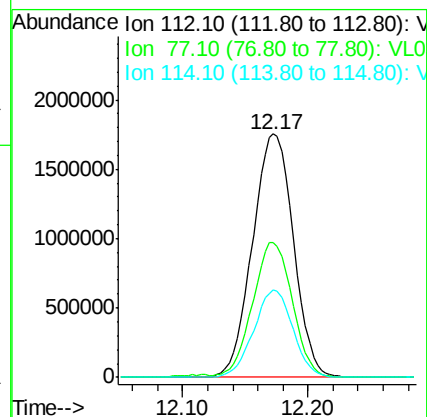
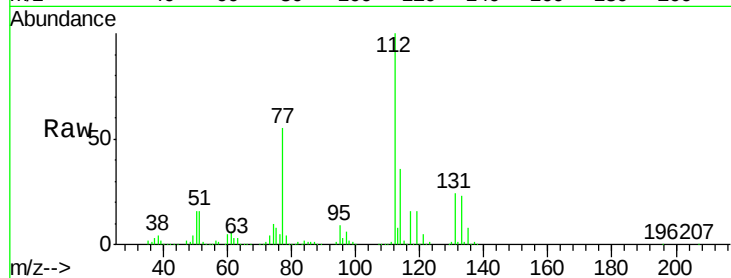
112 100

77 55.2 60.6 91.0#

114 35.8 28.5 34.9#

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#58

Ethyl Benzene

Concen: 9.819 ppbv

RT: 12.74 min Scan# 3094

Delta R.T. 0.00 min

Lab File: VL035468.D

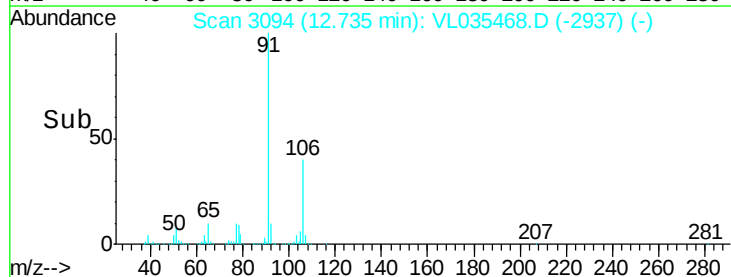
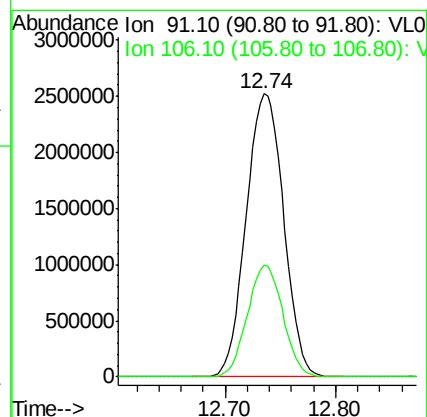
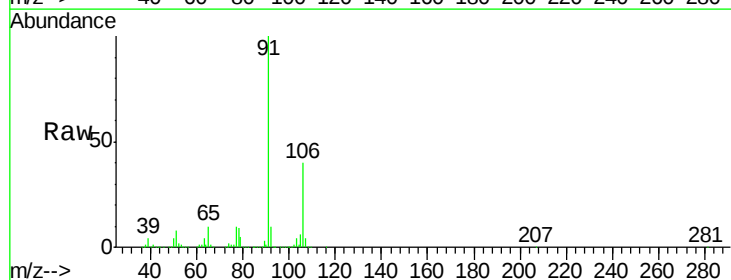
Acq: 19 Aug 2020 13:47

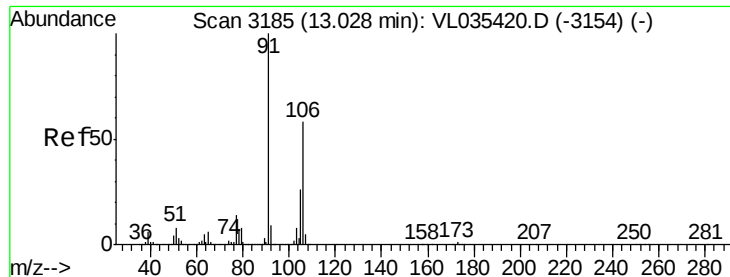
Tgt Ion: 91 Resp: 5941185

Ion Ratio Lower Upper

91 100

106 39.6 24.1 36.1#





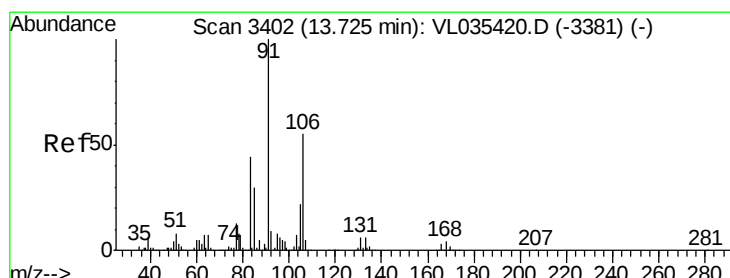
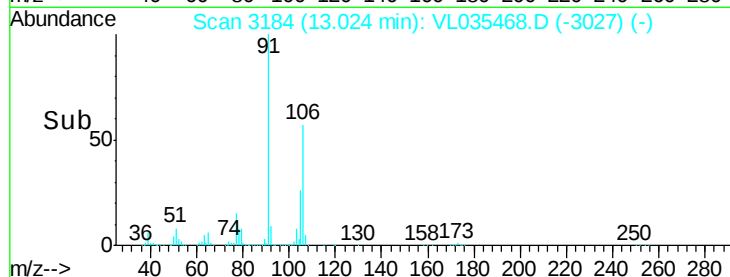
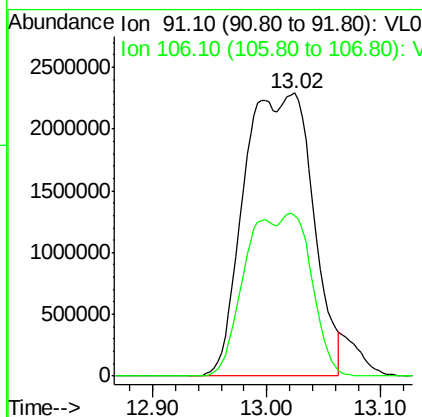
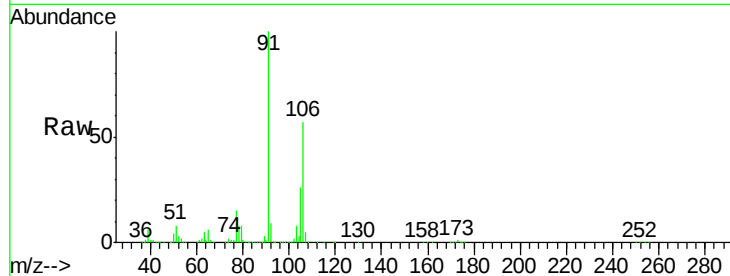
#59
m/p-Xylene
Concen: 18.737 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL035468.D
Acq: 19 Aug 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 9583801
Ion Ratio Lower Upper
91 100
106 55.0 34.0 51.0#

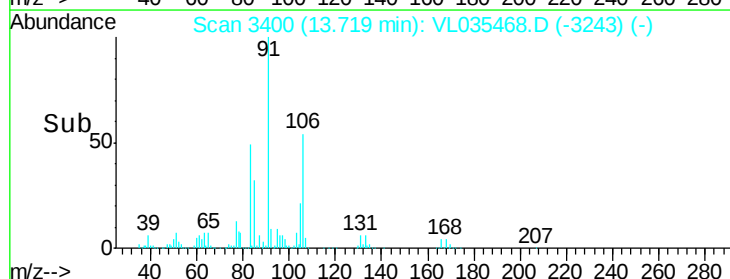
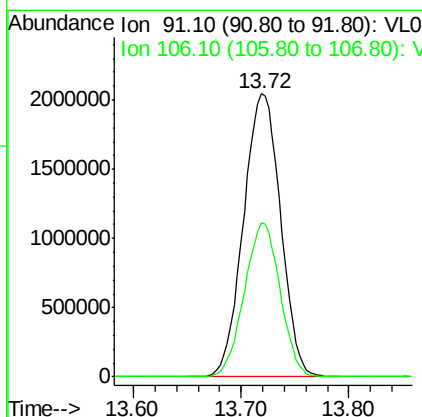
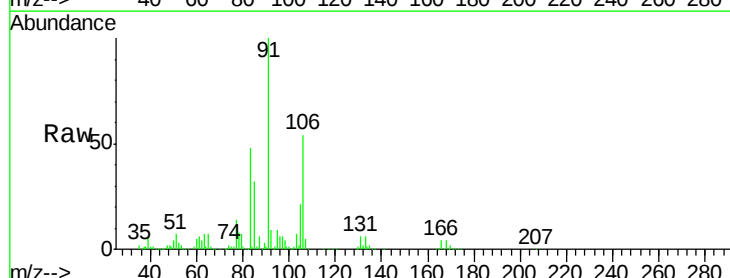
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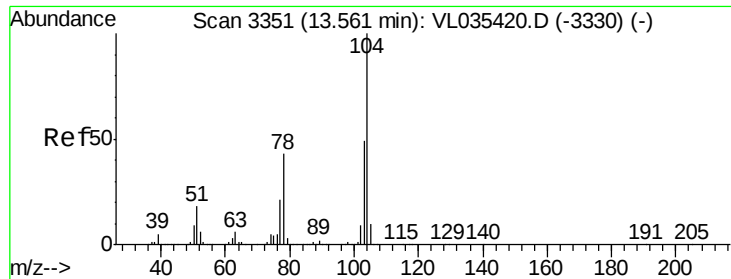
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#60
o-Xylene
Concen: 9.837 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. 0.00 min
Lab File: VL035468.D
Acq: 19 Aug 2020 13:47

Tgt Ion: 91 Resp: 4890018
Ion Ratio Lower Upper
91 100
106 52.5 21.8 65.3





#61

Stvrene

Concen: 10.359 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 4160912

Ion Ratio Lower Upper

104 100

78 43.4 45.4 68.2#

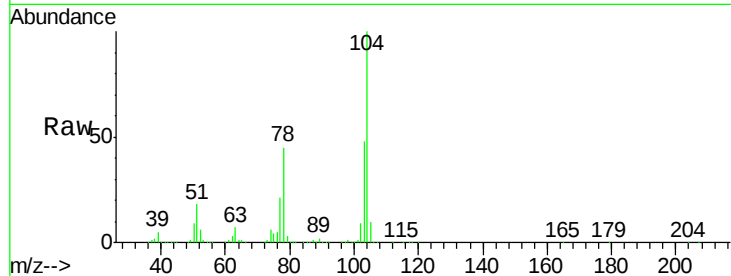
103 47.7 37.8 56.8

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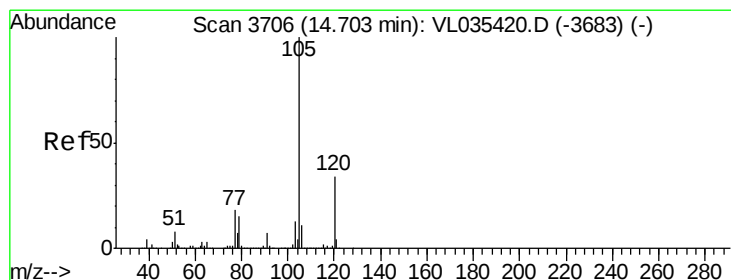
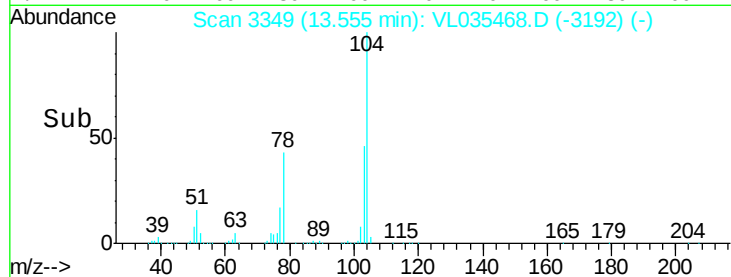
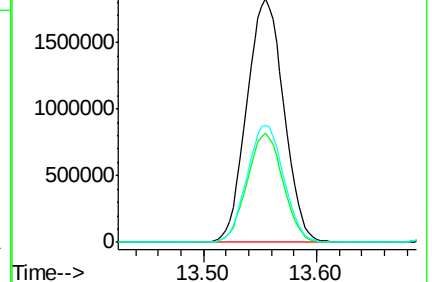
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.298 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. 0.00 min

Lab File: VL035468.D

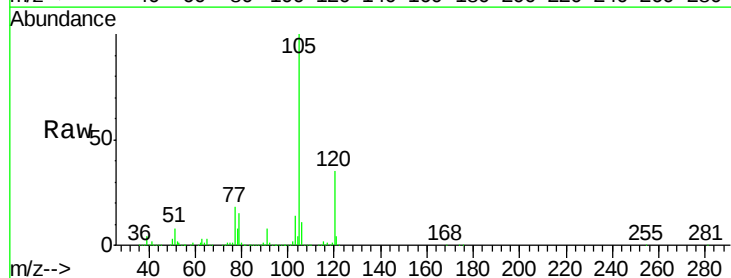
Acq: 19 Aug 2020 13:47

Tgt Ion:105 Resp: 7575410

Ion Ratio Lower Upper

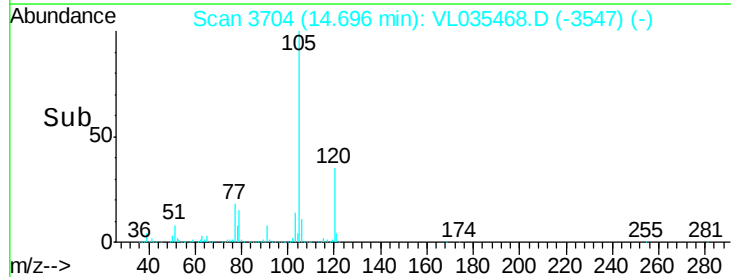
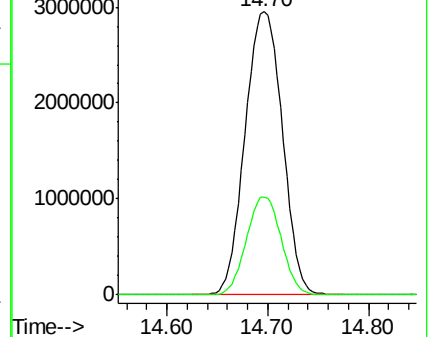
105 100

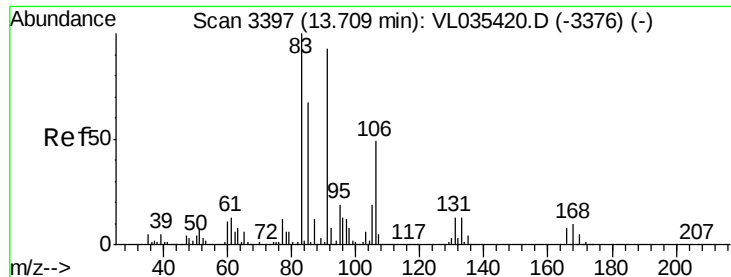
120 32.5 20.3 30.5#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 9.575 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 3419238

Ion Ratio Lower Upper

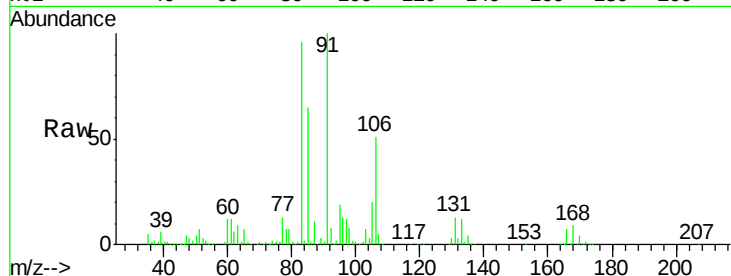
83 100

131 12.7 4.5 13.4

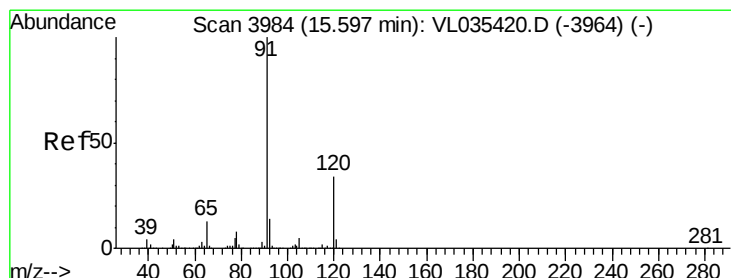
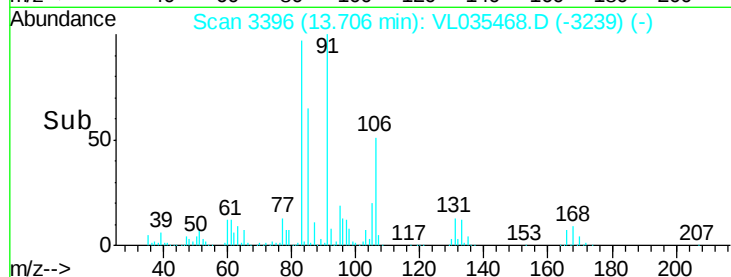
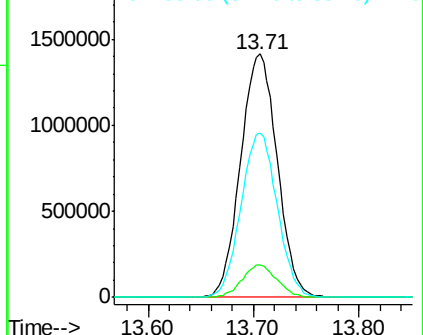
85 67.0 32.7 98.1

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Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.221 ppbv

RT: 15.59 min Scan# 3983

Delta R.T. 0.01 min

Lab File: VL035468.D

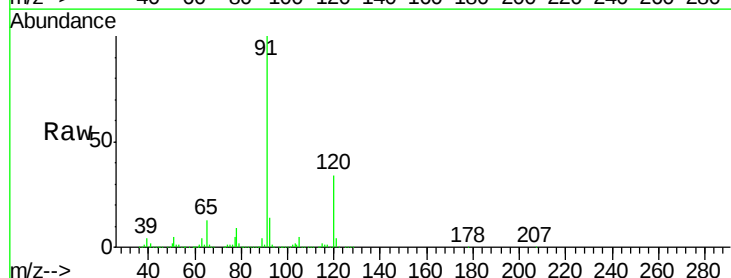
Acq: 19 Aug 2020 13:47

Tgt Ion: 120 Resp: 2566870

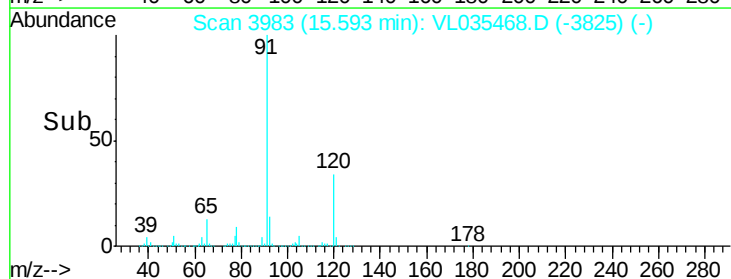
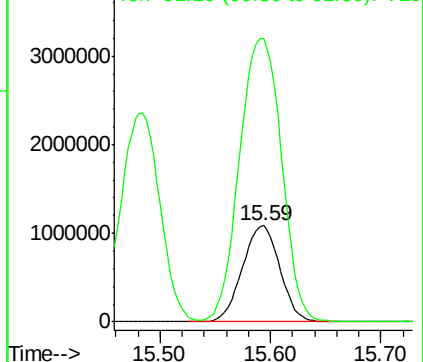
Ion Ratio Lower Upper

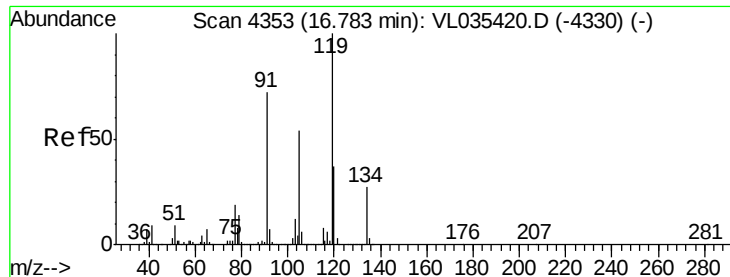
120 100

91 330.7 385.5 578.3#



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 9.320 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. 0.00 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 7379385

Ion Ratio Lower Upper

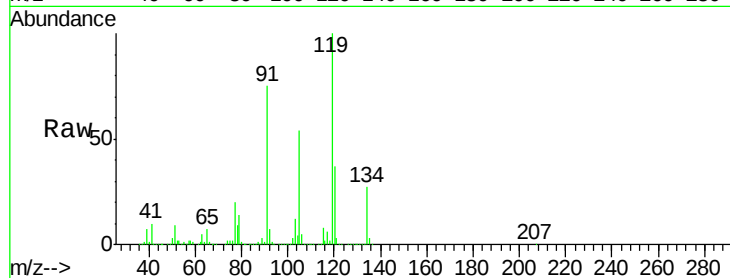
119 100

91 72.7 72.0 108.0

134 24.2 15.7 23.5#

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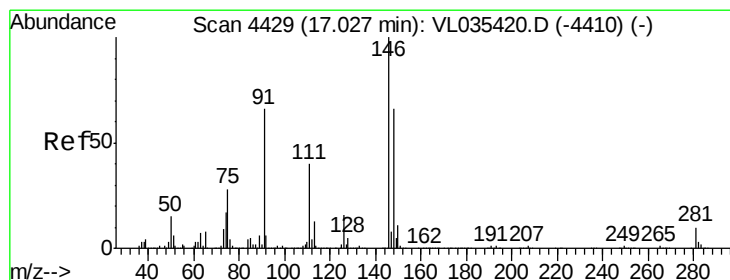
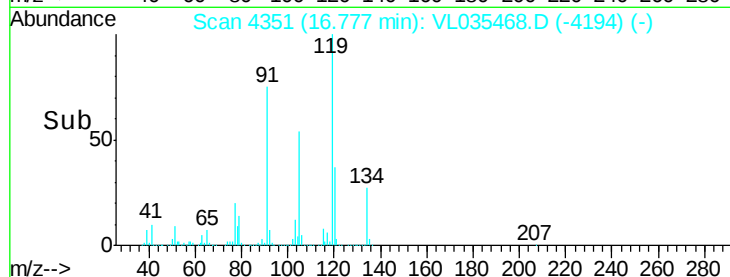
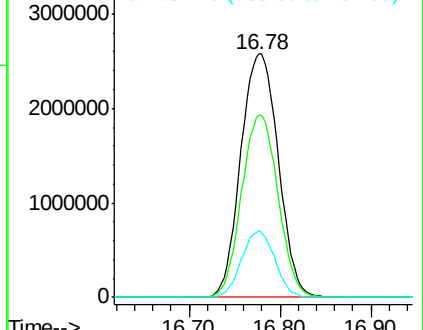
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 13.267 ppbv

RT: 17.02 min Scan# 4426

Delta R.T. 0.00 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

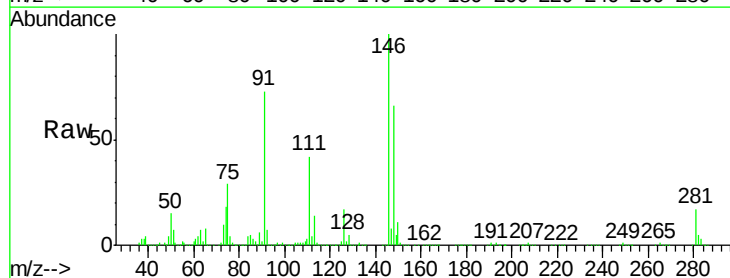
Tgt Ion: 91 Resp: 2526703

Ion Ratio Lower Upper

91 100

126 22.2 13.3 19.9#

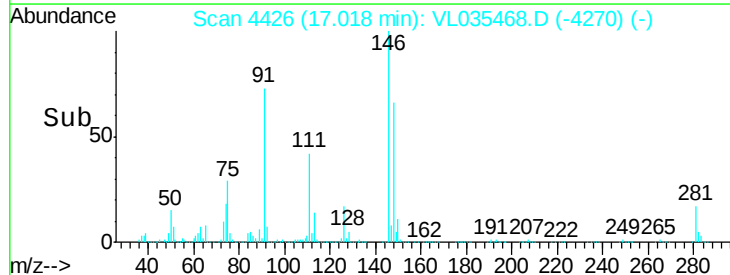
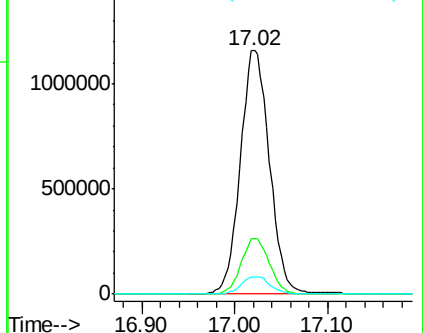
128 7.1 4.1 6.1#

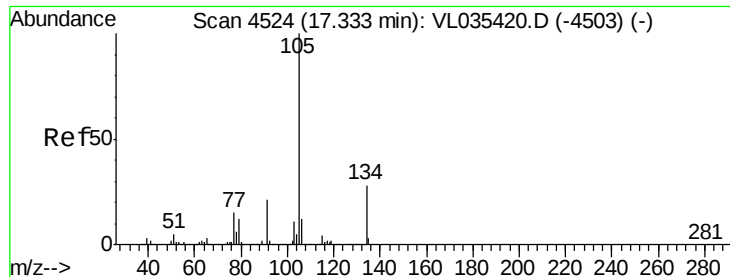


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





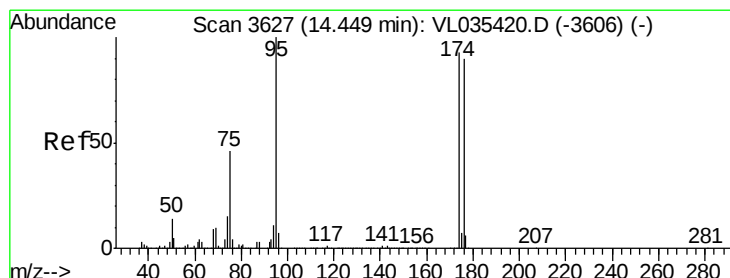
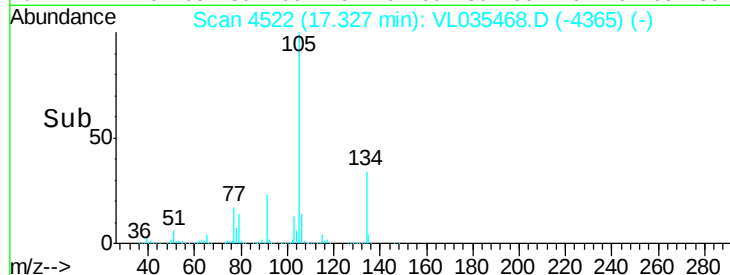
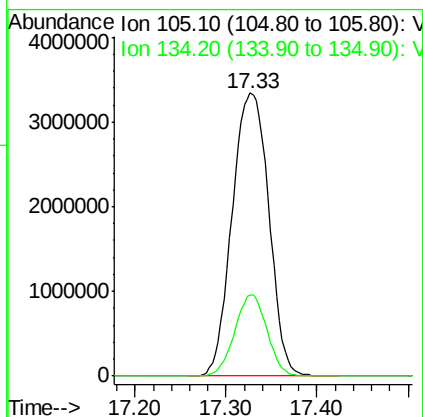
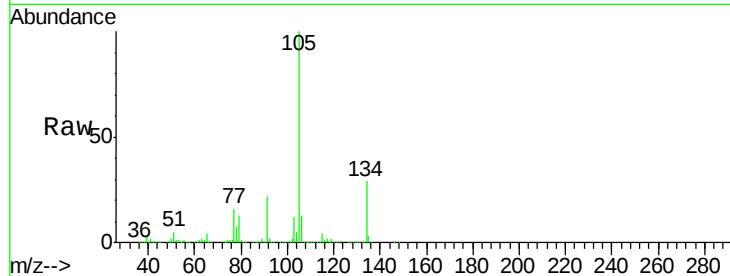
#67
 sec-Butylbenzene
 Concen: 8.973 ppbv
 RT: 17.33 min Scan# 4522
 Delta R.T. 0.00 min
 Lab File: VL035468.D
 Acq: 19 Aug 2020 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 105 Resp: 9349605
 Ion Ratio Lower Upper
 105 100
 134 25.4 14.1 21.1#

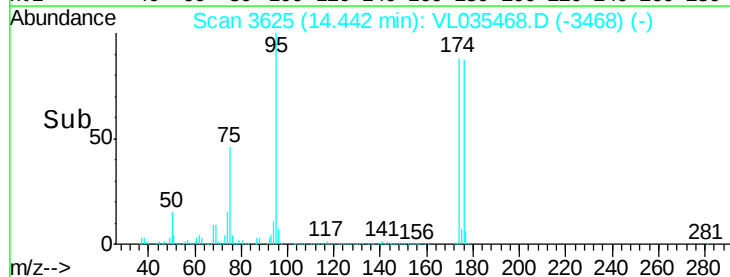
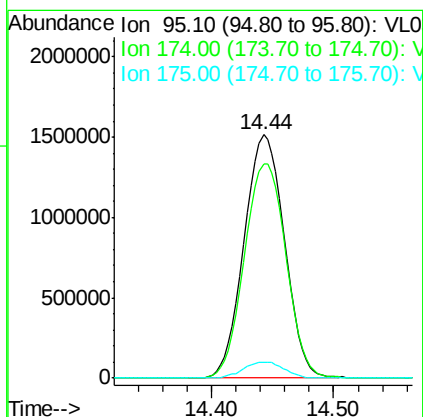
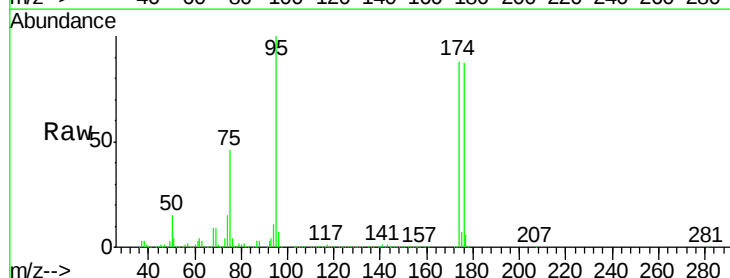
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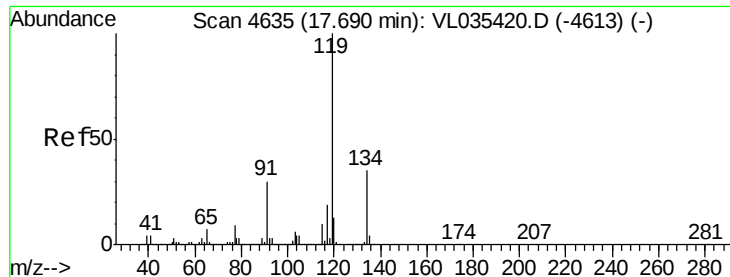
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.886 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. 0.00 min
 Lab File: VL035468.D
 Acq: 19 Aug 2020 13:47

Tgt Ion: 95 Resp: 3469200
 Ion Ratio Lower Upper
 95 100
 174 91.2 44.0 66.0#
 175 6.7 3.2 4.8#





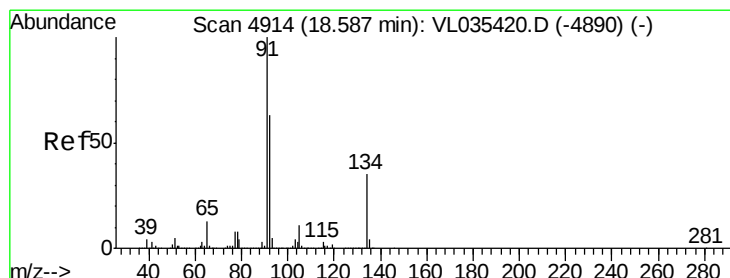
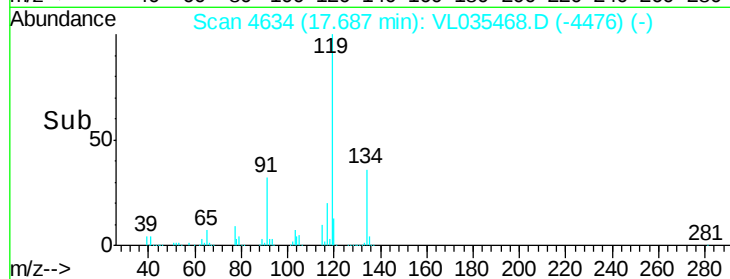
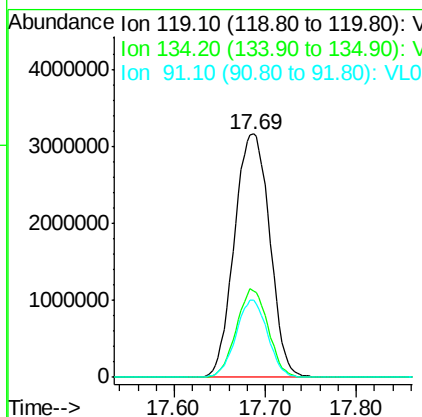
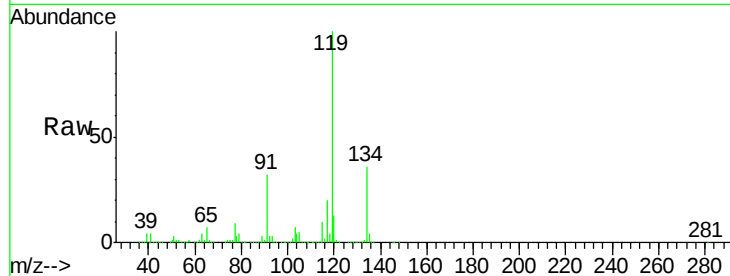
#69
 p-Isopropyltoluene
 Concen: 9.215 ppbv
 RT: 17.69 min Scan# 4634
 Delta R.T. 0.01 min
 Lab File: VL035468.D
 Acq: 19 Aug 2020 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 119 Resp: 8520160
 Ion Ratio Lower Upper
 119 100
 134 32.6 20.6 30.8#
 91 28.3 26.6 39.8

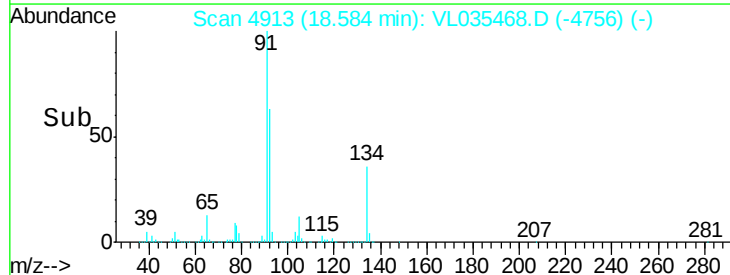
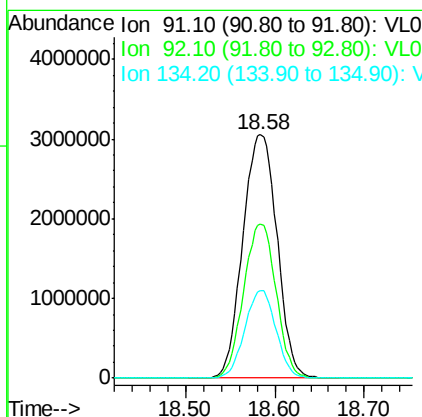
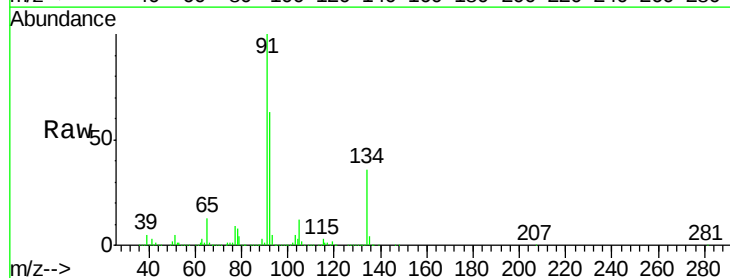
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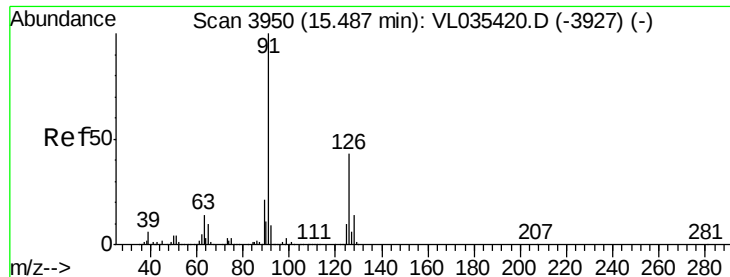
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#70
 n-Butylbenzene
 Concen: 9.348 ppbv
 RT: 18.58 min Scan# 4913
 Delta R.T. 0.00 min
 Lab File: VL035468.D
 Acq: 19 Aug 2020 13:47

Tgt Ion: 91 Resp: 8163959
 Ion Ratio Lower Upper
 91 100
 92 60.2 44.8 67.2
 134 33.0 17.3 25.9#





#71

2-Chlorotoluene

Concen: 9.821 ppbv

RT: 15.48 min Scan# 3949

Delta R.T. 0.01 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 5805634

Ion Ratio Lower Upper

91 100

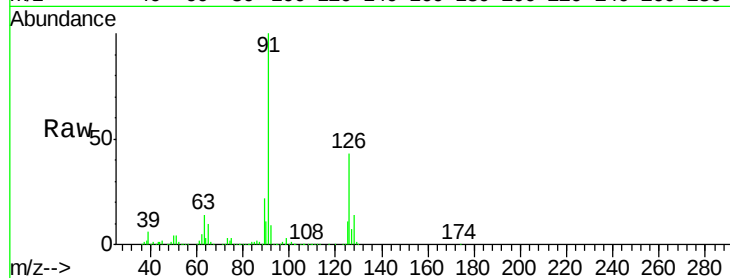
126 40.9 11.4 45.6

Manual Integrations

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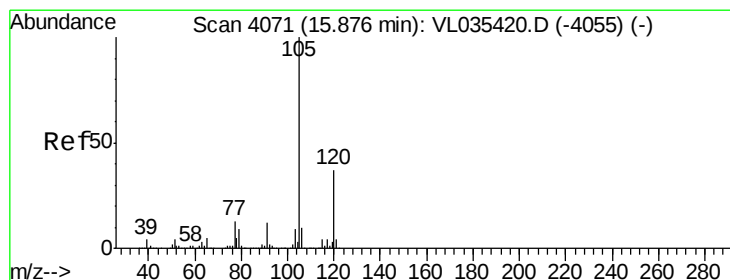
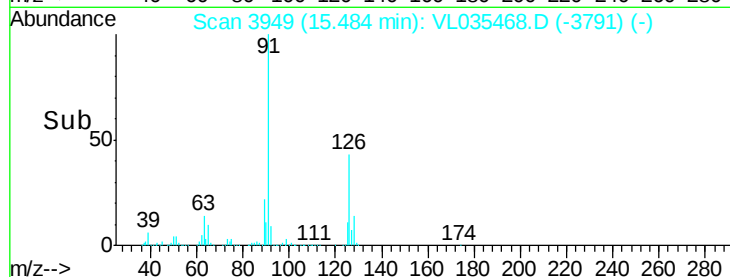
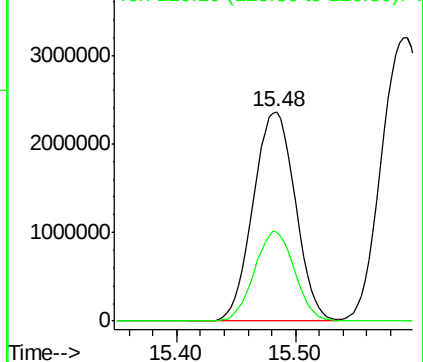
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.842 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. 0.00 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Tgt Ion: 105 Resp: 6420822

Ion Ratio Lower Upper

105 100

120 35.4 22.7 34.1#

91 12.2 10.8 16.2

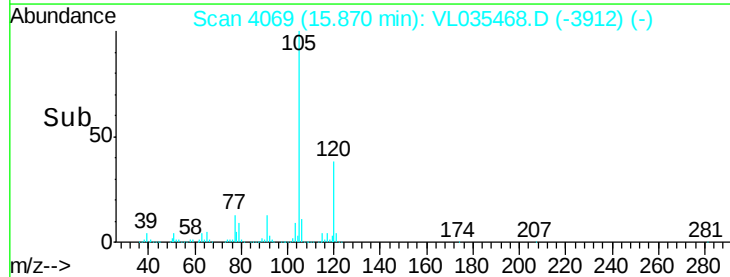
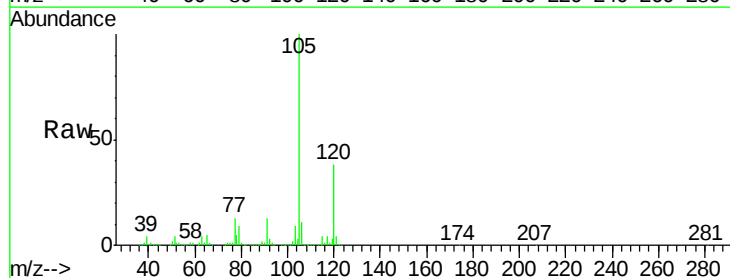
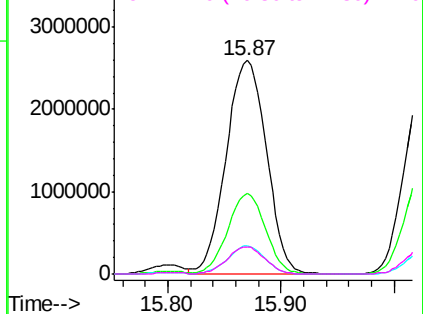
77 12.0 11.9 17.9

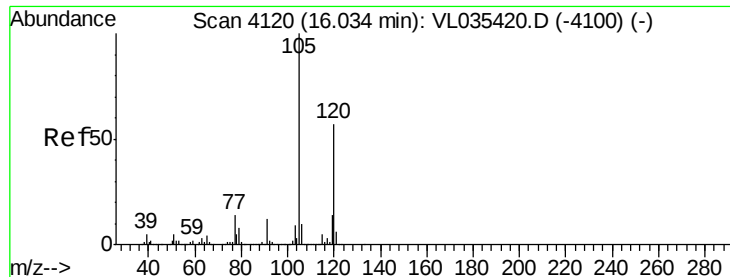
Abundance Ion 105.10 (104.80 to 105.80): V

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: 9.916 ppbv

RT: 16.03 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 6019553

Ion Ratio Lower Upper

105 100

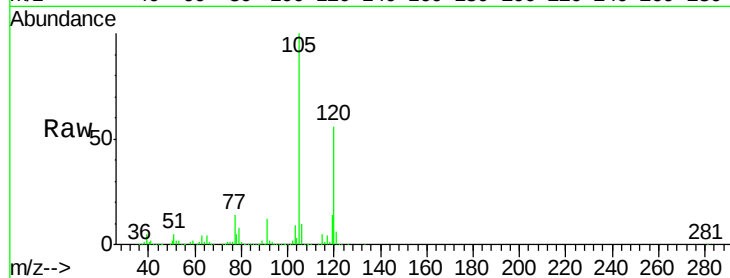
120 55.5 35.6 53.4#

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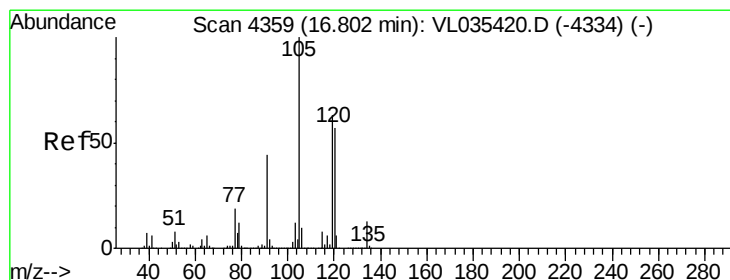
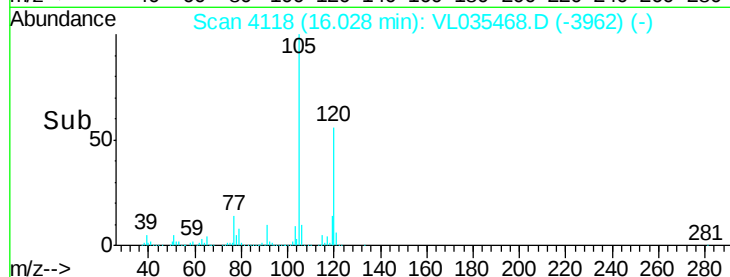
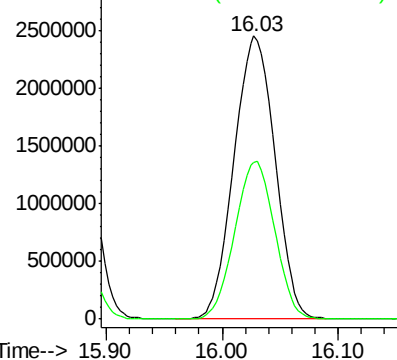
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.403 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. 0.00 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Tgt Ion:105 Resp: 6201775

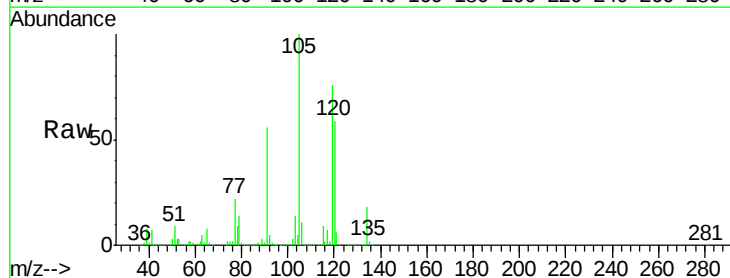
Ion Ratio Lower Upper

105 100

120 58.6 37.8 56.8#

91 55.9 40.0 60.0

77 21.9 18.8 28.2

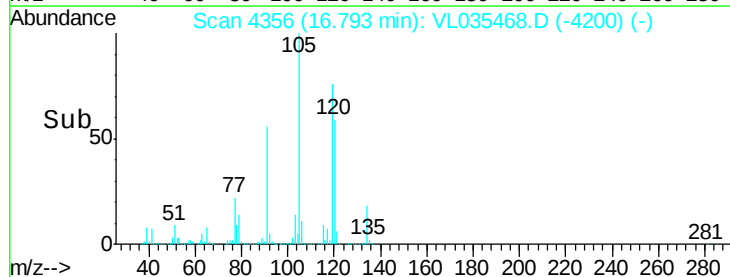
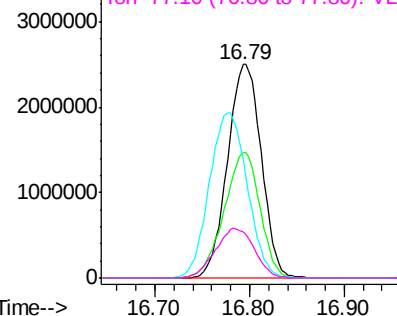


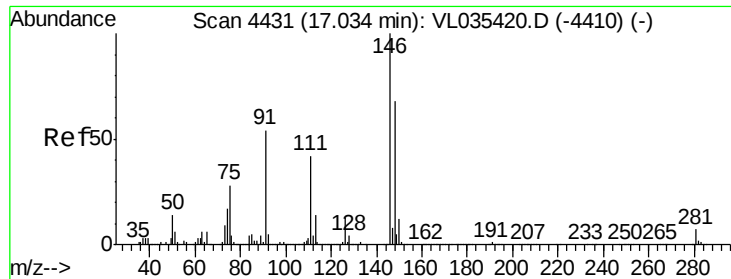
Abundance Ion 105.10 (104.80 to 105.80): V

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: 9.328 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. 0.00 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 4752057

Ion Ratio Lower Upper

146 100

111 41.1 25.6 76.8

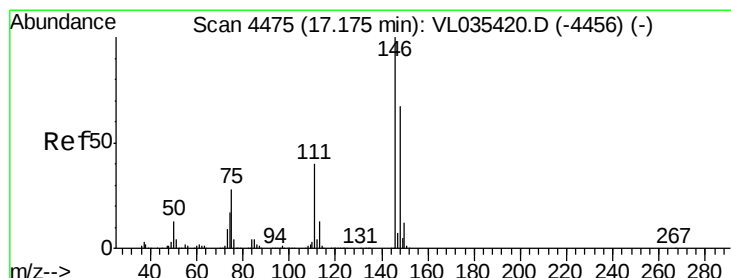
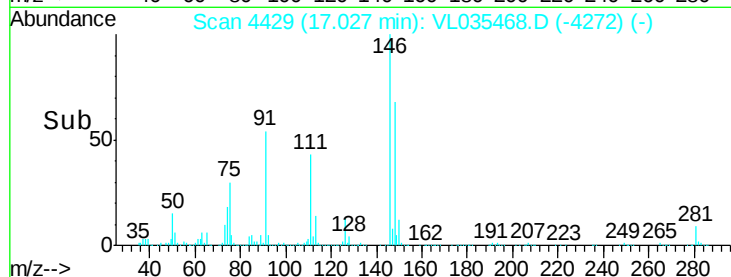
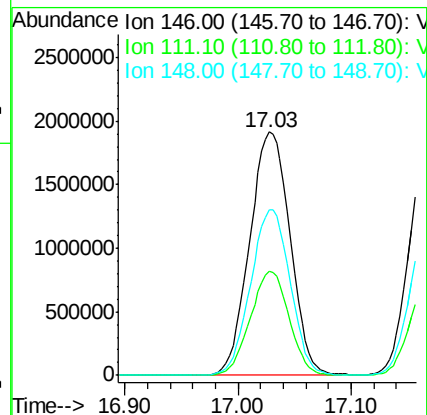
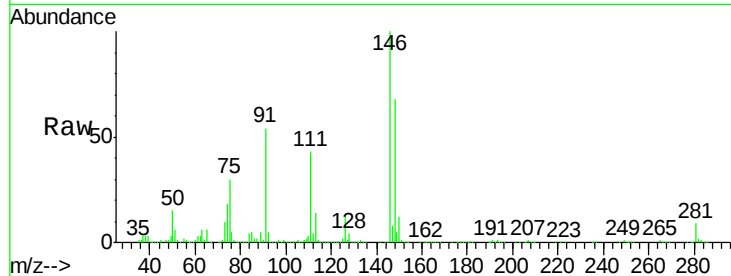
148 66.9 32.3 96.9

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#76

1,4-Dichlorobenzene

Concen: 9.735 ppbv

RT: 17.17 min Scan# 4474

Delta R.T. 0.01 min

Lab File: VL035468.D

Acq: 19 Aug 2020 13:47

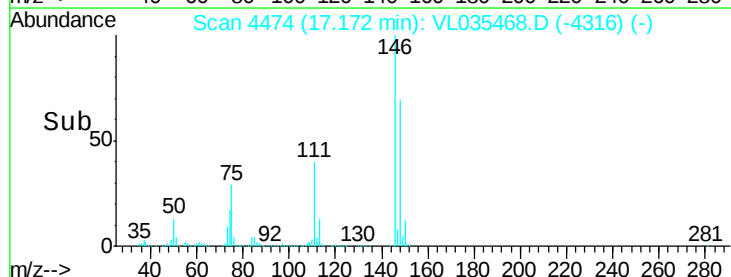
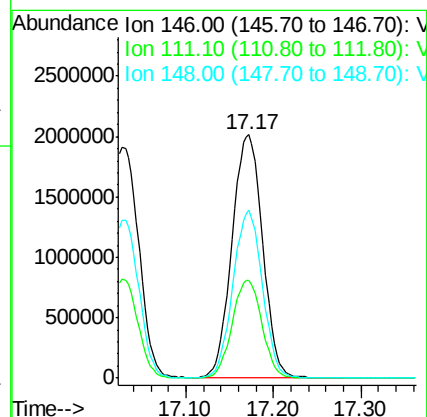
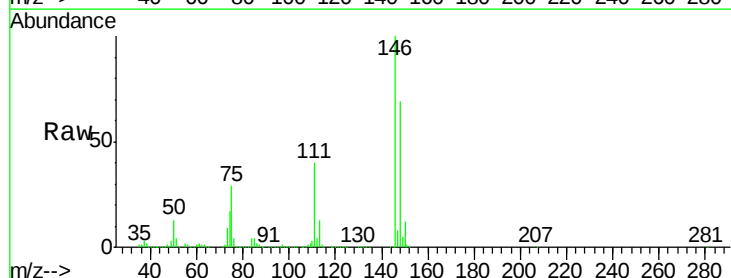
Tgt Ion:146 Resp: 4887655

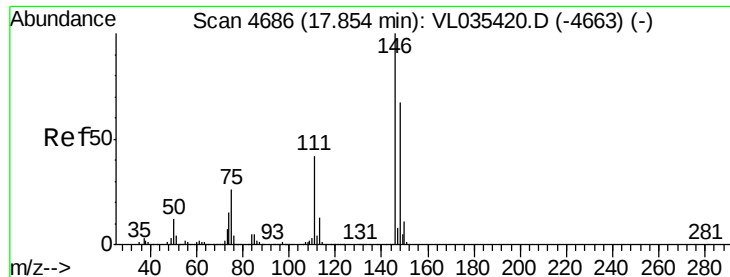
Ion Ratio Lower Upper

146 100

111 39.4 24.8 74.4

148 66.6 32.1 96.3





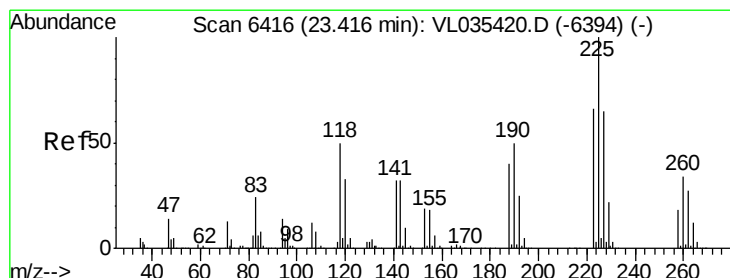
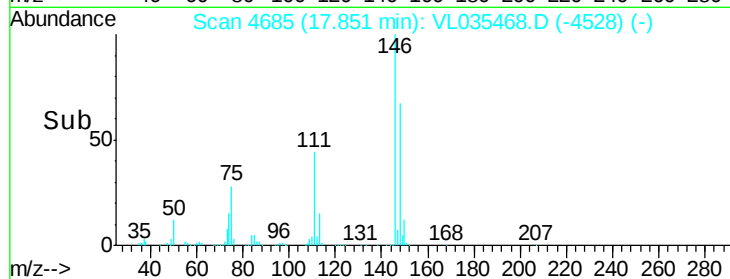
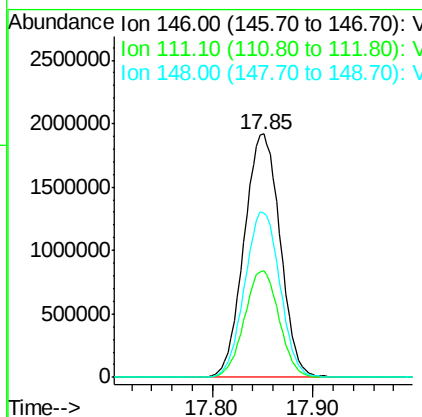
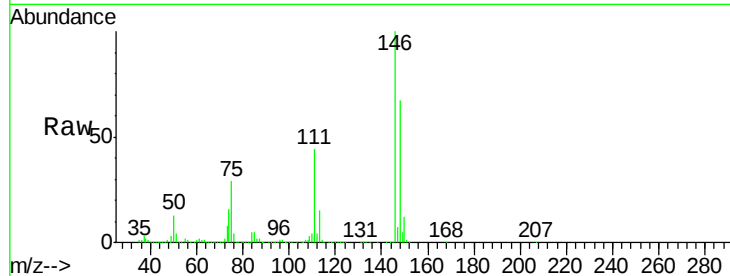
#77
 1,2-Dichlorobenzene
 Concen: 9.515 ppbv
 RT: 17.85 min Scan# 4685
 Delta R.T. 0.00 min
 Lab File: VL035468.D
 Acq: 19 Aug 2020 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 4747708
 Ion Ratio Lower Upper
 146 100
 111 42.1 26.3 78.9
 148 66.7 32.0 96.0

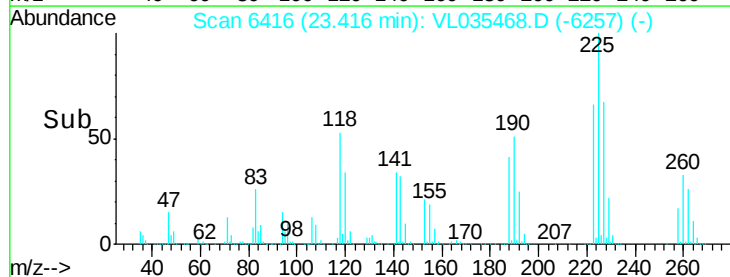
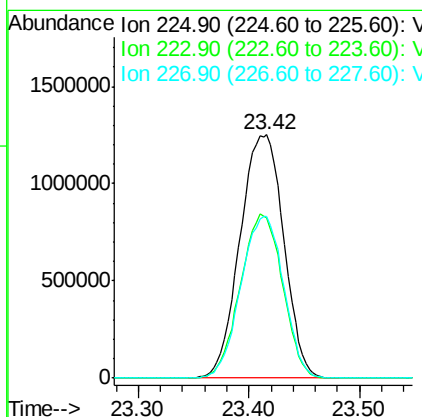
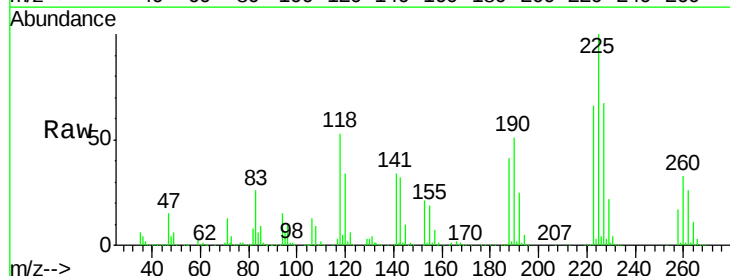
Manual Integrations
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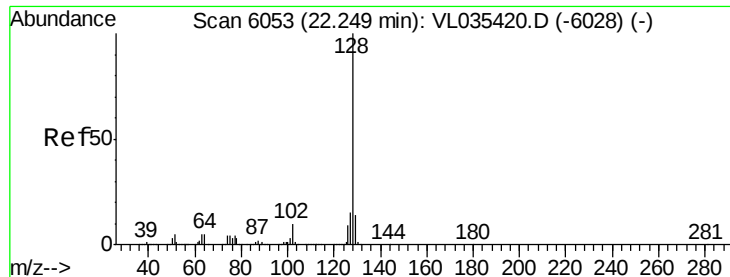
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.702 ppbv
 RT: 23.42 min Scan# 6416
 Delta R.T. 0.01 min
 Lab File: VL035468.D
 Acq: 19 Aug 2020 13:47

Tgt Ion:225 Resp: 3433040
 Ion Ratio Lower Upper
 225 100
 223 65.1 50.3 75.5
 227 65.2 51.0 76.6





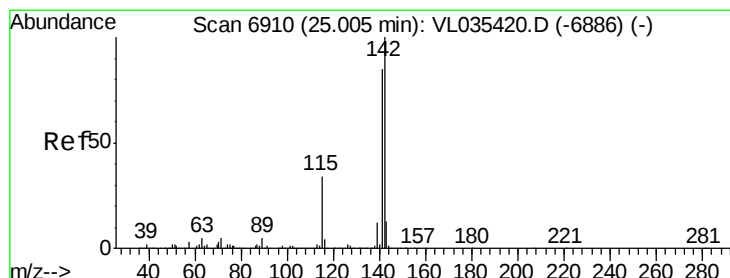
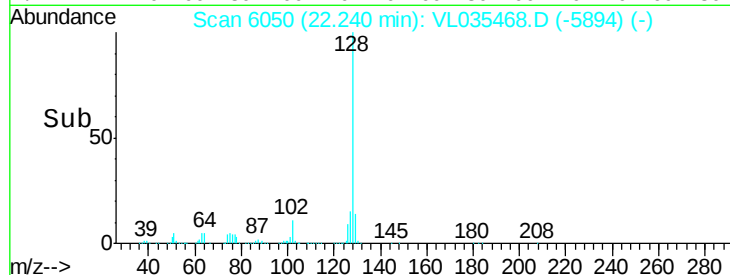
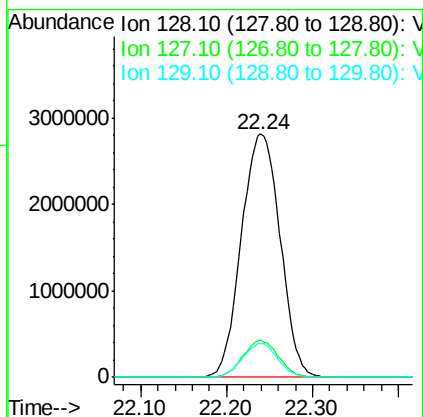
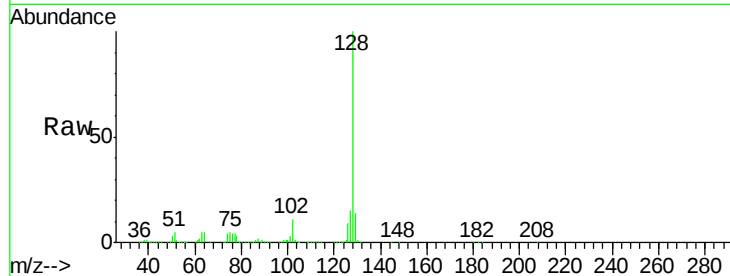
#79
Naphthalene
Concen: 9.493 ppbv
RT: 22.24 min Scan# 6050
Delta R.T. 0.00 min
Lab File: VL035468.D
Acq: 19 Aug 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.4	11.4	17.0
129	13.7	9.5	14.3

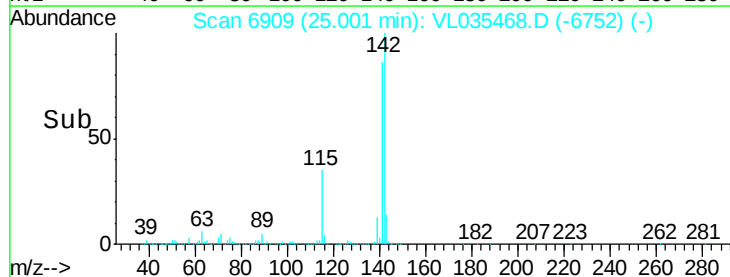
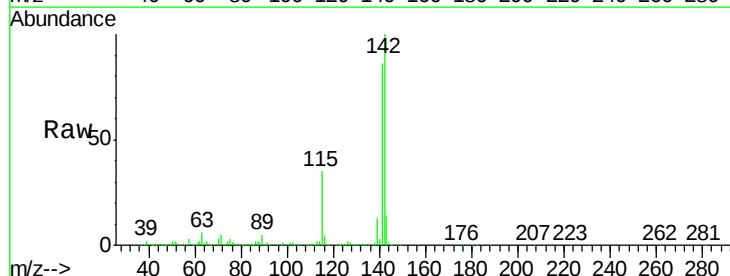
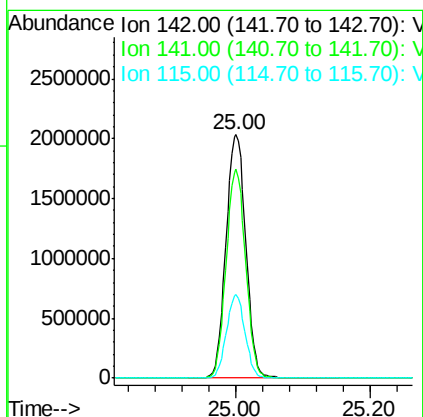
Manual Integrations
APPROVED

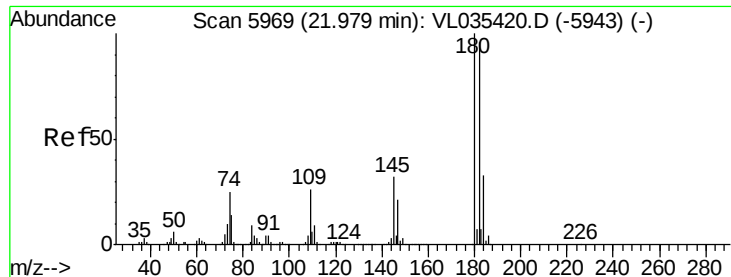
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8/20/2020 11:08:01 AM



#80
Naphthalene, 2-methyl-
Concen: 10.891 ppbv
RT: 25.00 min Scan# 6909
Delta R.T. 0.00 min
Lab File: VL035468.D
Acq: 19 Aug 2020 13:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.3	67.1	100.7
115	32.5	36.1	54.1#





#81
 1,2,4-Trichlorobenzene
 Concen: 9.428 ppbv
 RT: 21.97 min Scan# 5967
 Delta R.T. 0.01 min
 Lab File: VL035468.D
 Acq: 19 Aug 2020 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.6	115.0
184	32.2	24.8	37.2

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:08:01 AM

