

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080320\
 Data File : VL035321.D
 Acq On : 3 Aug 2020 16:08
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
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 8/6/2020 2:44:59 PM

Quant Time: Aug 03 16:40:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 03 2020
 QLast Update : Mon Aug 03 15:02:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1526288	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3642030	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3633581	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3066762	10.56	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	1938346	10.633	ppbv	100
3) Chlorodifluoromethane	2.94	51	2099019	12.424	ppbv	97
4) Chloromethane	3.09	50	1197209	12.592	ppbv	99
5) Vinyl Chloride	3.21	62	1249587	12.618	ppbv	97
6) Bromomethane	3.43	94	800914	13.093	ppbv	94
7) Chloroethane	3.52	64	473920	13.258	ppbv	95
8) Dichlorotetrafluoroethane	3.14	85	2631271	11.376	ppbv	99
9) Propene	2.96	41	800237	13.588	ppbv	100
10) Heptane	8.13	43	2432032	15.256	ppbv	98
11) Trichlorofluoromethane	3.91	101	3091259	12.607	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	2227373	12.809	ppbv	97
13) Ethanol	3.56	45	230944	9.635	ppbv	99
14) Bromoethene	3.70	108	990245	13.954	ppbv	99
15) Acetone	3.81	43	2351164	11.549	ppbv	100
16) 1,3-Butadiene	3.28	39	1109078	13.966	ppbv	100
17) tert-Butyl alcohol	4.26	59	2568410	13.072	ppbv	99
18) 1,1-Dichloroethene	4.26	96	1044872	13.533	ppbv	97
19) Isopropyl Alcohol	3.93	45	1758562	13.097	ppbv	99
20) Methylene Chloride	4.31	84	916770	9.893	ppbv	99
21) Allyl Chloride	4.38	41	1662474	14.339	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	1031919	13.909	ppbv	98
23) Vinyl Acetate	5.05	43	2994248	14.637	ppbv	98
24) 1,1-Dichloroethane	4.99	63	2499693	13.102	ppbv	99
25) Ethyl Acetate	5.66	43	4280392	13.464	ppbv	99
26) Hexane	5.67	57	1969154	13.729	ppbv	98
27) Carbon Disulfide	4.52	76	2709491	13.983	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	2977313	14.521	ppbv	100
29) Chloroform	5.74	83	3161139	13.141	ppbv	95
30) Cyclohexane	7.13	84	1628275	15.883	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1955763	15.643	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	3145193	12.774	ppbv	99
34) 2-Butanone	5.22	43	2597294	14.016	ppbv	100
35) Carbon Tetrachloride	7.02	117	3330471	13.657	ppbv	99
36) Benzene	6.89	78	3774223	14.911	ppbv	98
37) 1,2-Dichloroethane	6.30	62	2467592	13.946	ppbv	100
38) Trichloroethene	7.84	130	1617111	15.415	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1491223	14.766	ppbv	98
40) 1,4-Dioxane	7.83	88	631133	15.871	ppbv	83
41) Tetrahydrofuran	6.04	42	1416582	15.597	ppbv	97
42) Bromodichloromethane	7.80	83	3414739	14.459	ppbv	96
43) Methyl Methacrylate	8.02	69	1808371	16.490	ppbv	100

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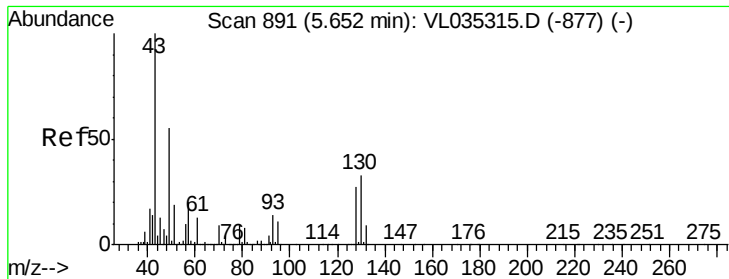
Manual Integrations
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Quant Time: Aug 03 16:40:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 03 2020
 QLast Update : Mon Aug 03 15:02:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	6462948	14.492	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	2082760	18.849	ppbv	96
46) cis-1,3-Dichloropropene	8.72	75	2416291	17.949	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1692273	14.186	ppbv	98
48) Dibromochloromethane	10.33	129	2965682	15.785	ppbv	99
49) Bromoform	13.08	173	2731692	16.173	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	4109778	15.304	ppbv	99
51) 2-Hexanone	10.15	43	3376432	16.579	ppbv #	99
52) Tetrachloroethene	11.25	164	1477680	15.301	ppbv	94
53) Toluene	9.83	91	4557165	16.941	ppbv	99
54) 1,2-Dibromoethane	10.64	107	2640616	15.309	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	2227507	13.333	ppbv	96
57) Chlorobenzene	12.18	112	3662337	13.395	ppbv	98
58) Ethyl Benzene	12.74	91	6176925	16.051	ppbv	97
59) m/p-Xylene	13.03	91	10495388m	29.296	ppbv	
60) o-Xylene	13.73	91	5290917	14.801	ppbv	100
61) Styrene	13.56	104	3792764	17.481	ppbv	98
62) Isopropylbenzene	14.70	105	7600410	14.286	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.72	83	3869530	12.581	ppbv	98
64) n-propylbenzene	15.60	120	2186325	15.456	ppbv	89
65) tert-Butylbenzene	16.79	119	6932749	14.384	ppbv	100
66) Benzyl Chloride	17.03	91	3130465	16.583	ppbv	100
67) sec-Butylbenzene	17.34	105	9454810	13.426	ppbv	97
69) p-Isopropyltoluene	17.70	119	8134411	14.159	ppbv	98
70) n-Butylbenzene	18.59	91	8650270	13.918	ppbv	98
71) 2-Chlorotoluene	15.49	91	6021130	15.009	ppbv	98
72) 4-Ethyltoluene	15.88	105	6266241	15.575	ppbv	98
73) 1,3,5-Trimethylbenzene	16.04	105	5941660	15.143	ppbv	95
74) 1,2,4-Trimethylbenzene	16.81	105	6199827	13.574	ppbv	93
75) 1,3-Dichlorobenzene	17.04	146	3728547	12.643	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	3752770	14.068	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	3618961	13.700	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	2831001	13.093	ppbv	99
79) Naphthalene	22.26	128	5872846	16.169	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	2330634	19.827	ppbv	100
81) 1,2,4-Trichlorobenzene	21.99	180	3305957	14.953	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 49 Resp: 1526288

Ion Ratio Lower Upper

49 100

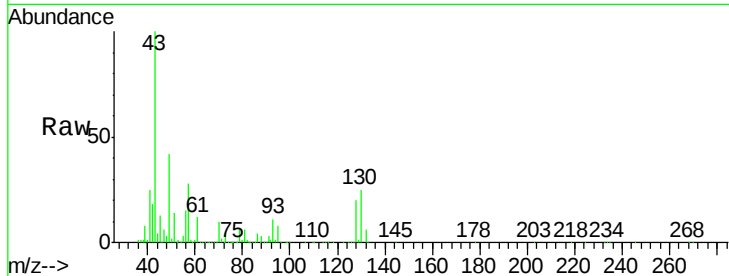
128 48.2 23.8 71.5

130 62.1 31.4 94.3

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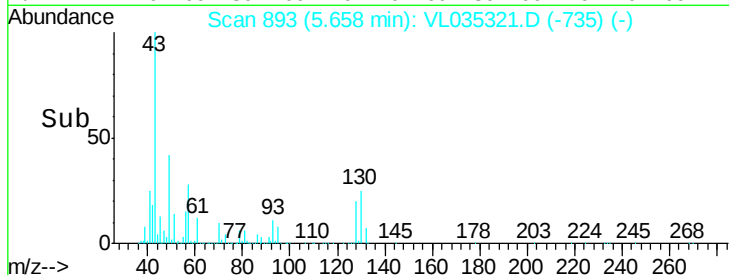


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

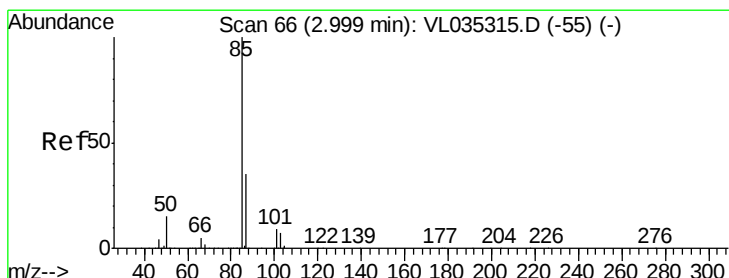
Ion 130.00 (129.70 to 130.70): VL0

Time-->



5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 10.633 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.00 min

Lab File: VL035321.D

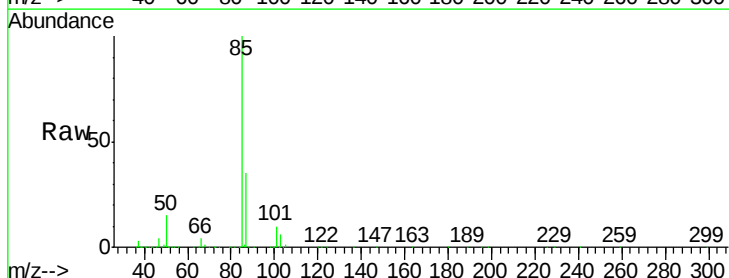
Acq: 3 Aug 2020 16:08

Tgt Ion: 85 Resp: 1938346

Ion Ratio Lower Upper

85 100

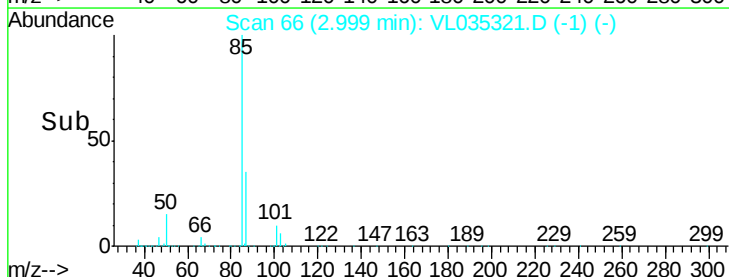
87 34.6 27.8 41.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

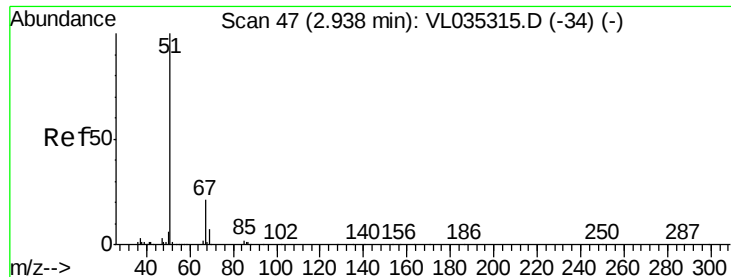
Ion 87.00 (86.70 to 87.70): VL0

Time-->



3.00

Time-->



#3

Chlorodifluoromethane

Concen: 12.424 ppbv

RT: 2.94 min Scan# 48

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Tot Ion: 51 Resp: 2099019

Ion Ratio Lower Upper

51 100

67 21.6 16.2 24.2

Instrument :

MSVOA_L

ClientSampleId :

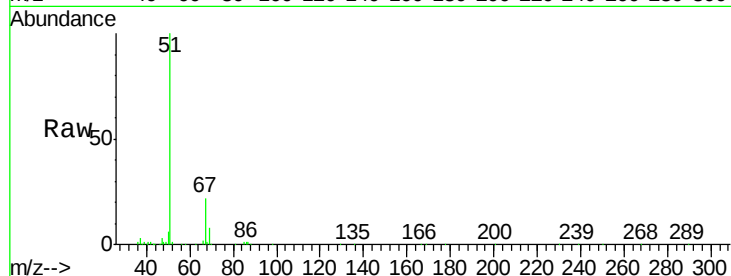
VSTDIC015

Manual Integrations

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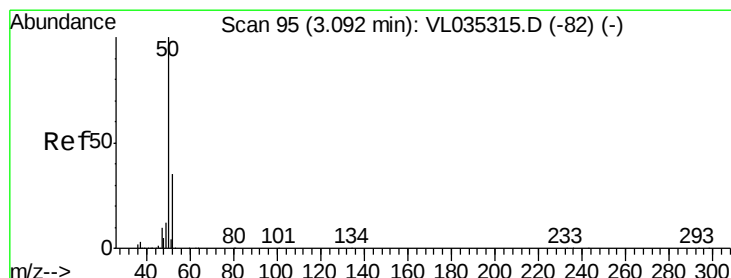
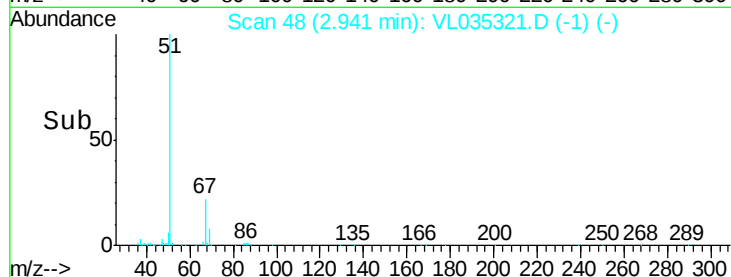
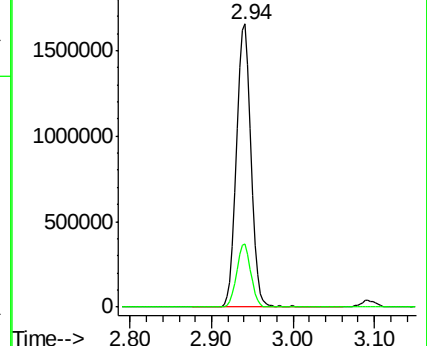
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 12.592 ppbv

RT: 3.09 min Scan# 95

Delta R.T. 0.00 min

Lab File: VL035321.D

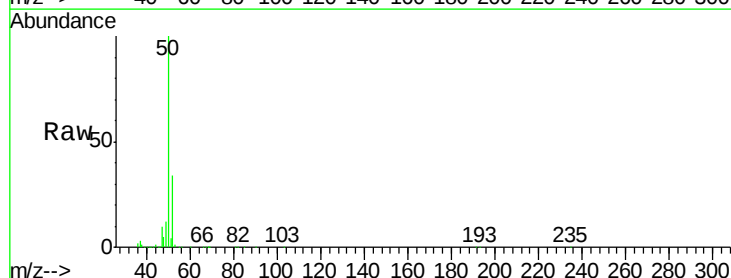
Acq: 3 Aug 2020 16:08

Tgt Ion: 50 Resp: 1197209

Ion Ratio Lower Upper

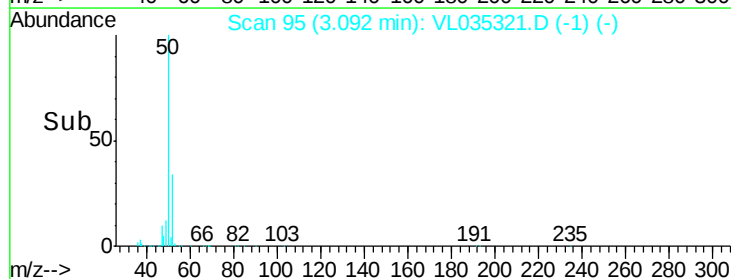
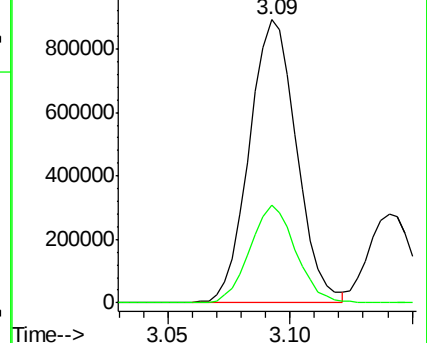
50 100

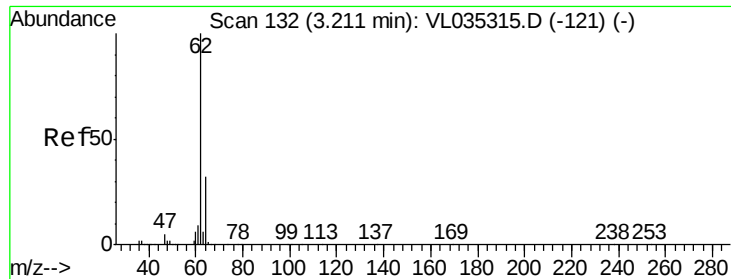
52 34.3 27.8 41.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 12.618 ppbv

RT: 3.21 min Scan# 132

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampled :

VSTDIC015

Tot Ion: 62 Resp: 1249587

Ion	Ratio	Lower	Upper
62	100		
64	34.4	25.9	38.9

62 100

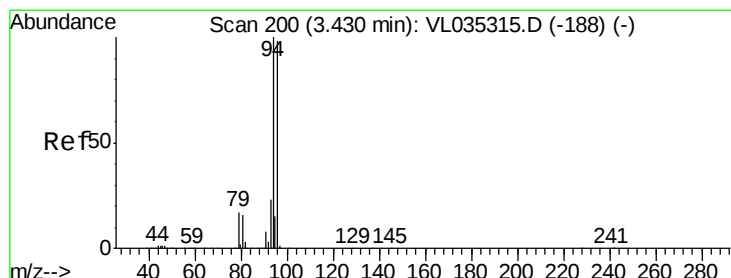
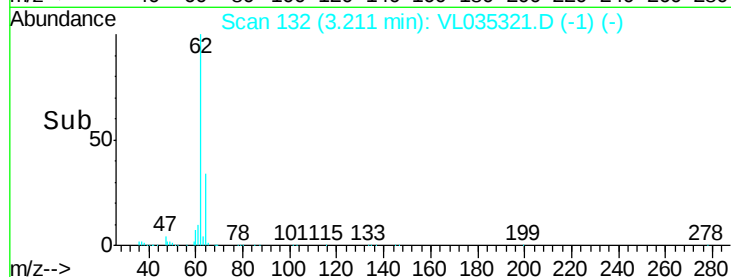
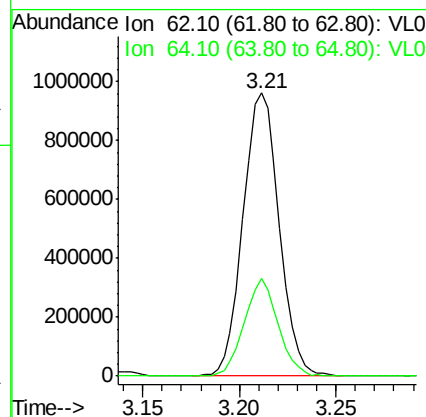
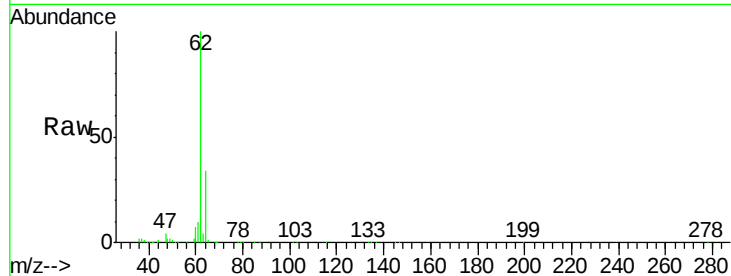
64 34.4 25.9 38.9

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#6

Bromomethane

Concen: 13.093 ppbv

RT: 3.43 min Scan# 200

Delta R.T. 0.00 min

Lab File: VL035321.D

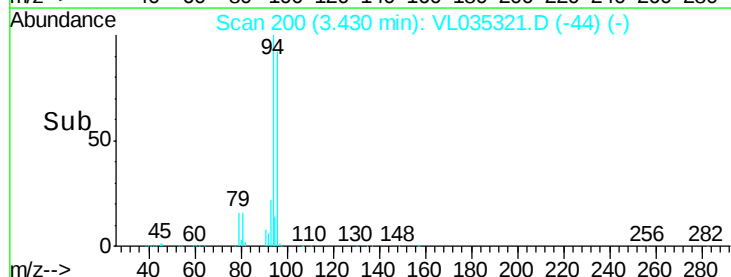
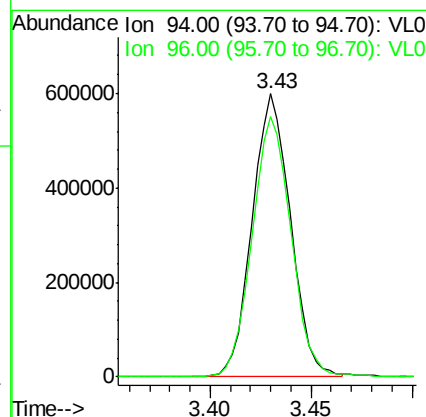
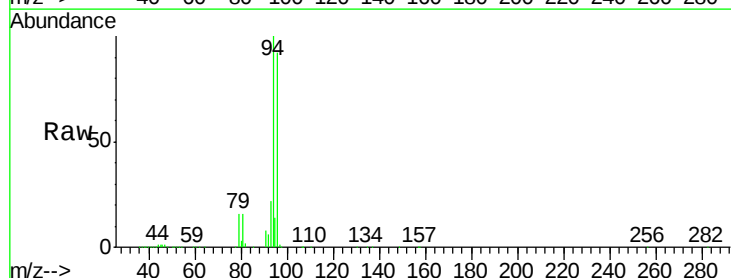
Acq: 3 Aug 2020 16:08

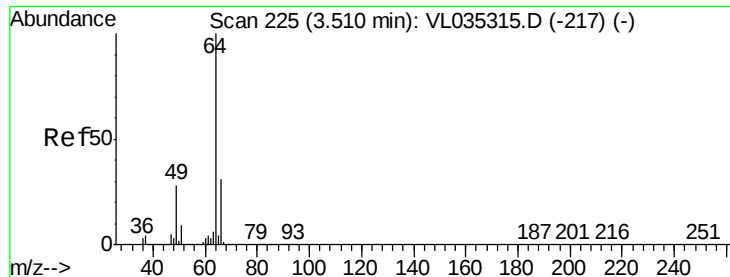
Tgt Ion: 94 Resp: 800914

Ion	Ratio	Lower	Upper
94	100		
96	91.9	78.6	117.8

94 100

96 91.9 78.6 117.8





#7

Chloroethane

Concen: 13.258 ppbv

RT: 3.52 min Scan# 227

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 64 Resp: 473920

Ion Ratio Lower Upper

64 100

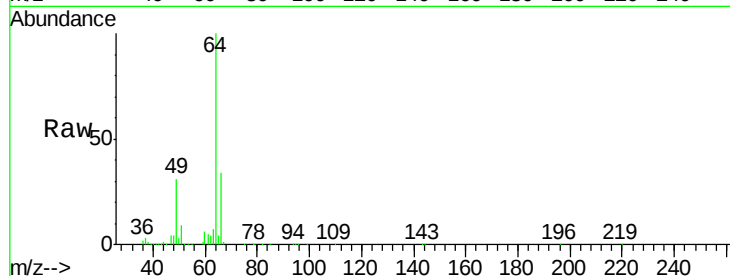
66 33.6 24.9 37.3

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

3.52

400000

300000

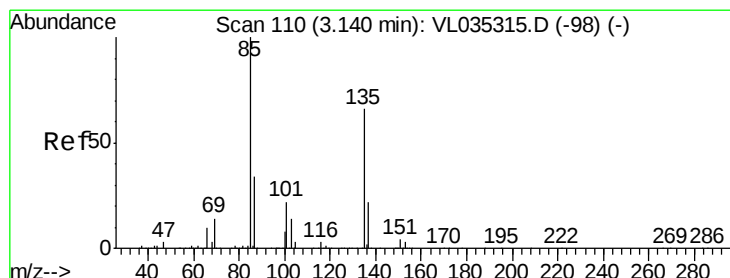
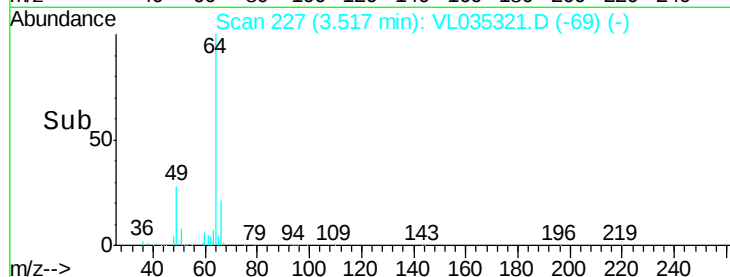
200000

100000

0

3.50 3.55

Time-->



#8

Dichlorotetrafluoroethane

Concen: 11.376 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL035321.D

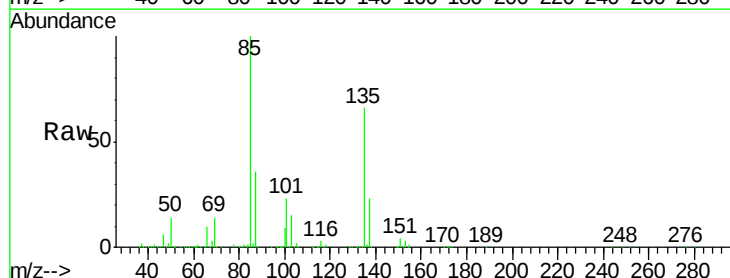
Acq: 3 Aug 2020 16:08

Tgt Ion: 85 Resp: 2631271

Ion Ratio Lower Upper

85 100

135 65.9 53.4 80.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.14

2000000

1500000

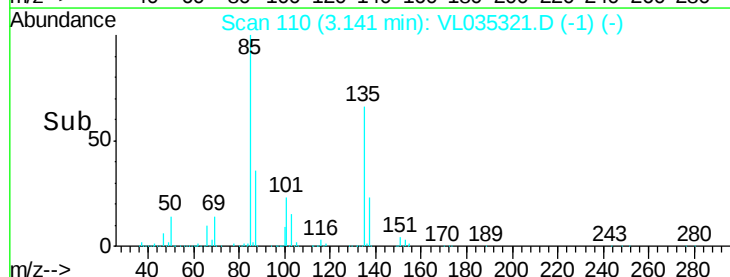
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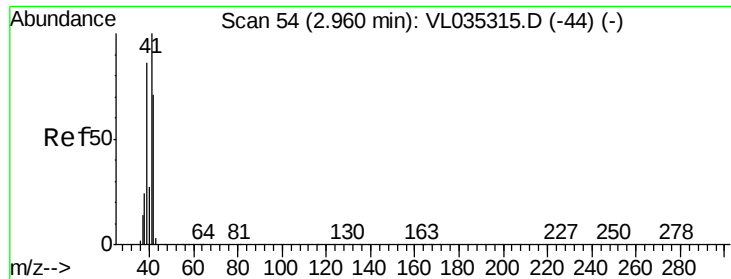
500000

0

3.10 3.15 3.20

Time-->





#9

Propene

Concen: 13.588 ppbv

RT: 2.96 min Scan# 54

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 41 Resp: 800237

Ion Ratio Lower Upper

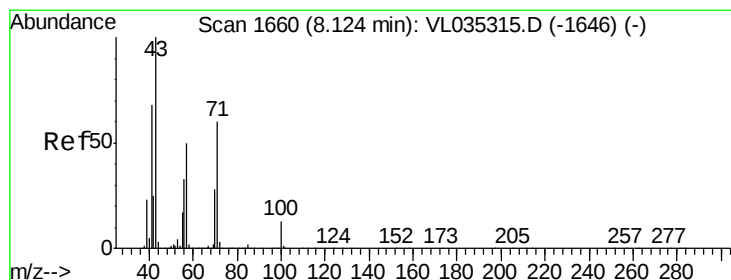
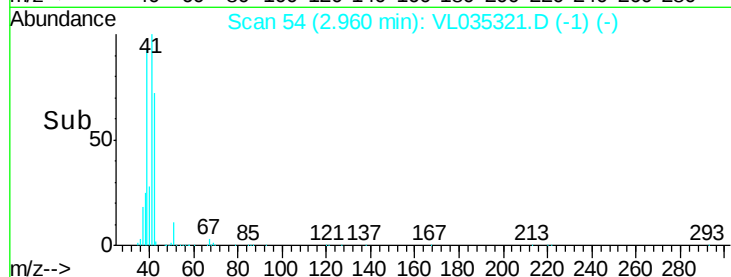
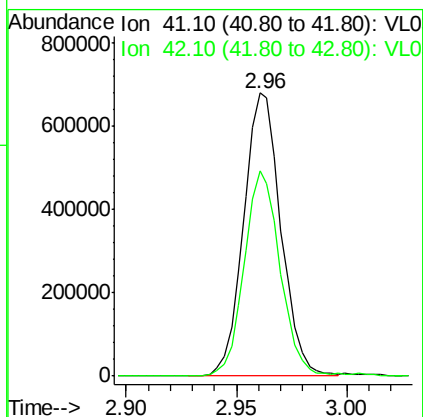
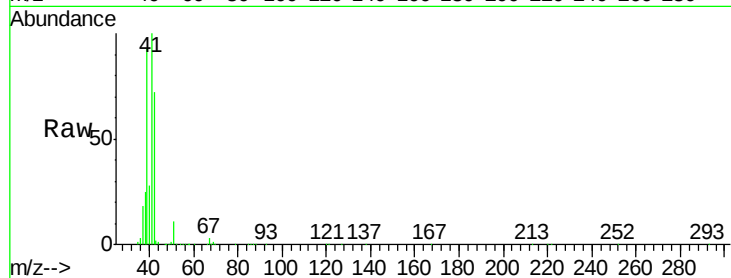
41 100

42 70.6 56.8 85.2

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#10

Heptane

Concen: 15.256 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.01 min

Lab File: VL035321.D

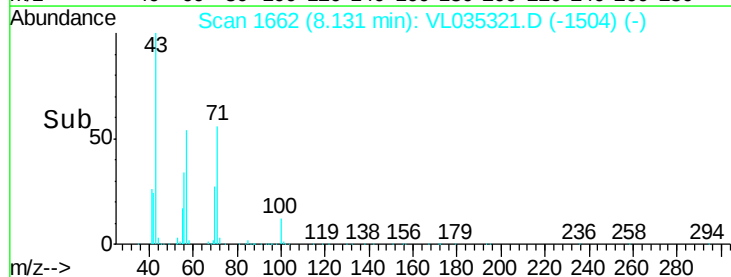
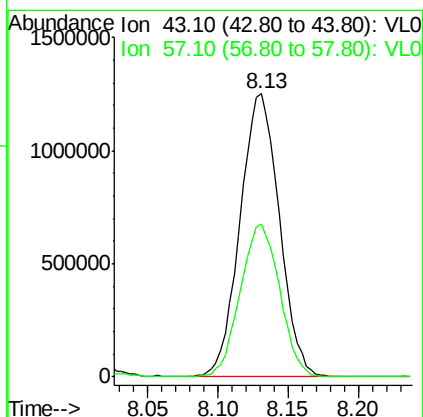
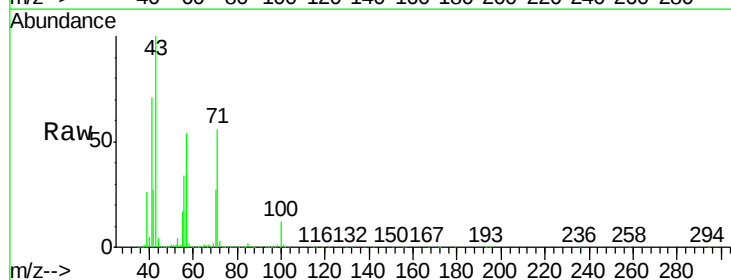
Acq: 3 Aug 2020 16:08

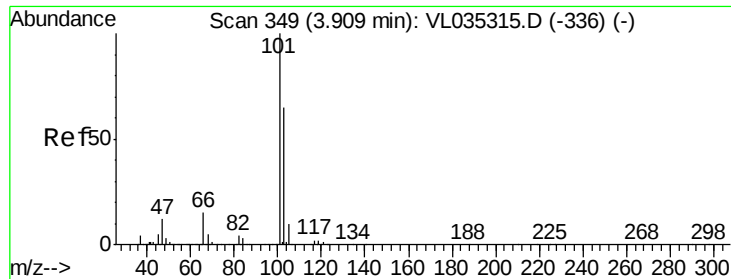
Tgt Ion: 43 Resp: 2432032

Ion Ratio Lower Upper

43 100

57 54.2 42.4 63.6





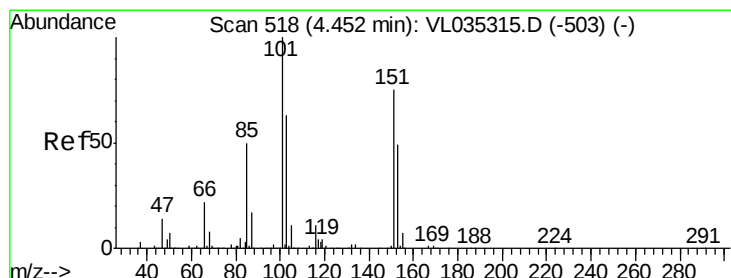
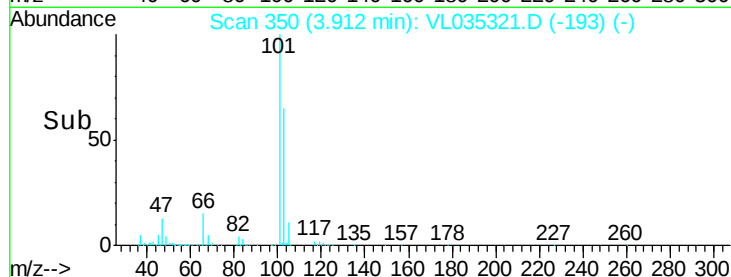
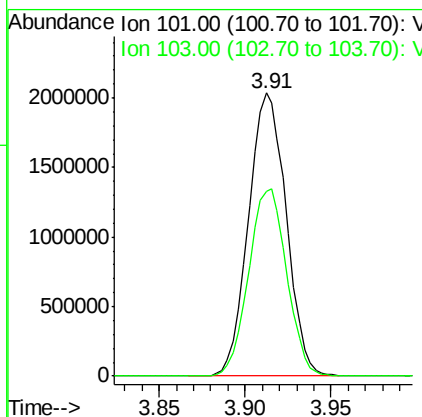
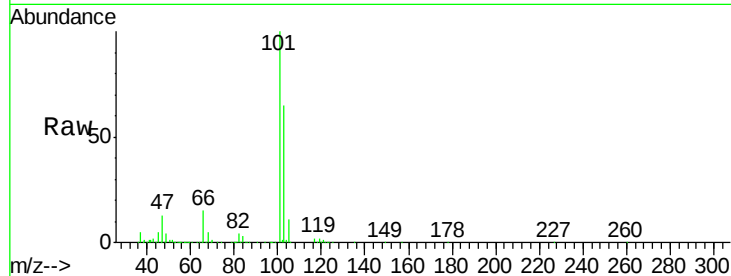
#11
 Trichlorofluoromethane
 Concen: 12.607 ppbv
 RT: 3.91 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:101 Resp: 3091259
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.8 77.6

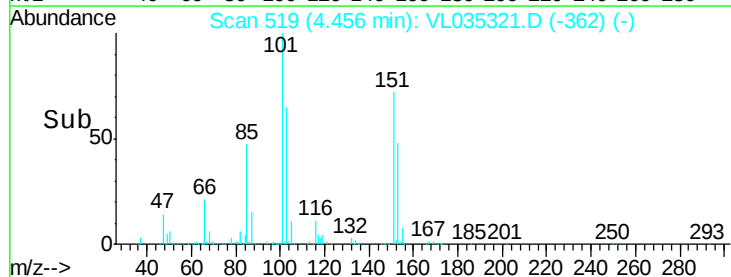
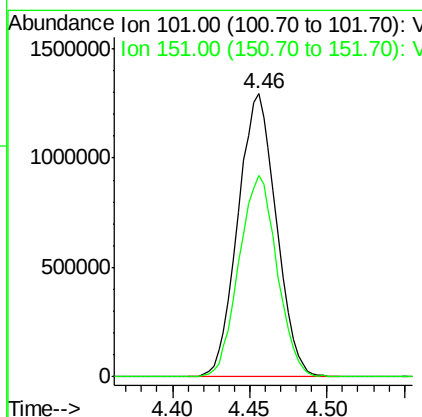
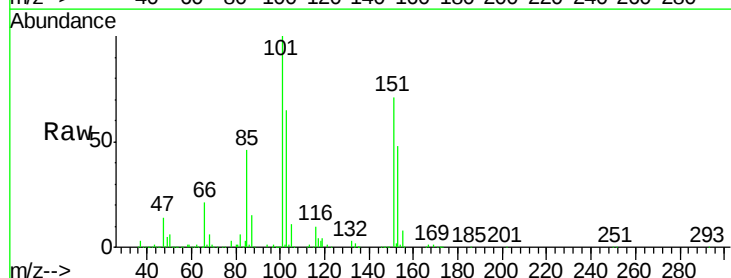
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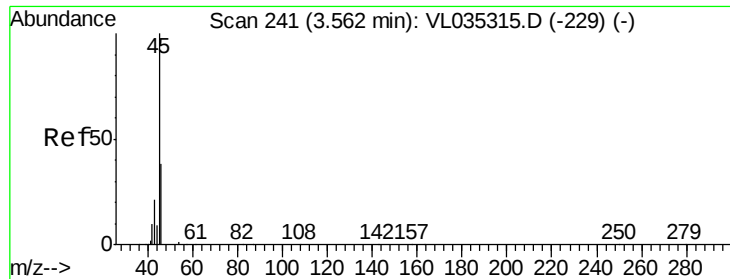
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 12.809 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Tgt Ion:101 Resp: 2227373
 Ion Ratio Lower Upper
 101 100
 151 71.0 58.9 88.3





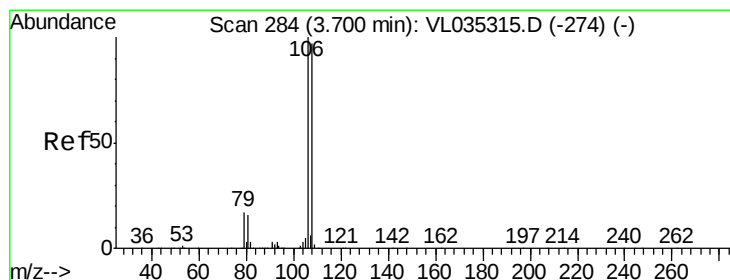
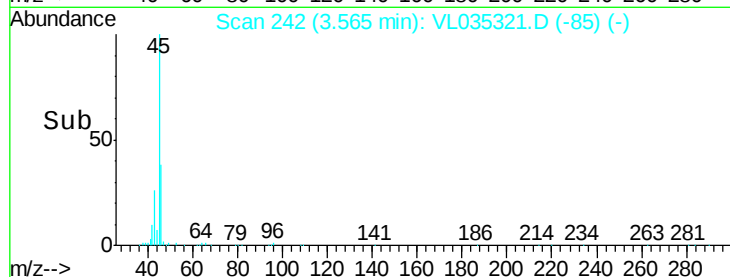
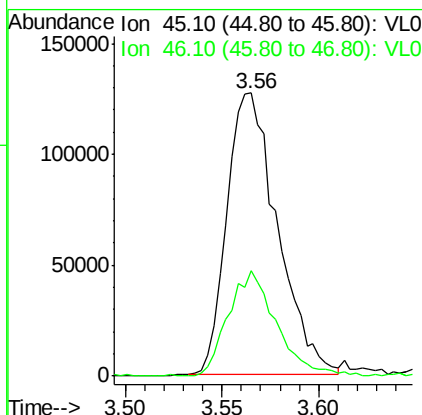
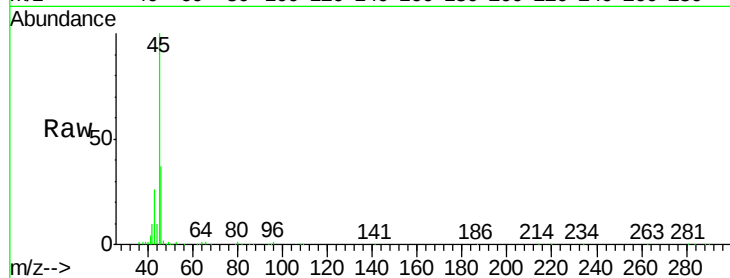
#13
Ethanol
Concen: 9.635 ppbv
RT: 3.56 min Scan# 242
Delta R.T. 0.00 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Instrument :
MSVOA_L
ClientSampled :
VSTDIC015

Tot Ion	45	46	Ratio	Lower	Upper
45	100				
46	35.7		14.5	57.9	

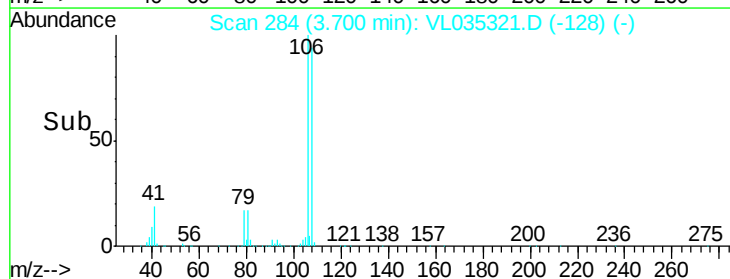
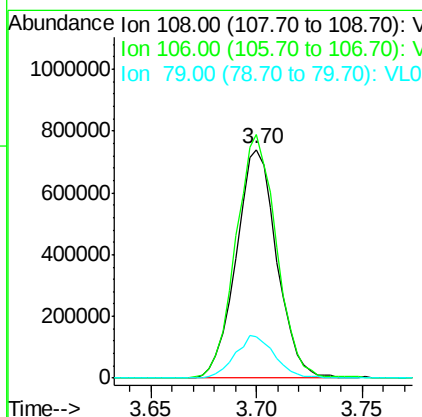
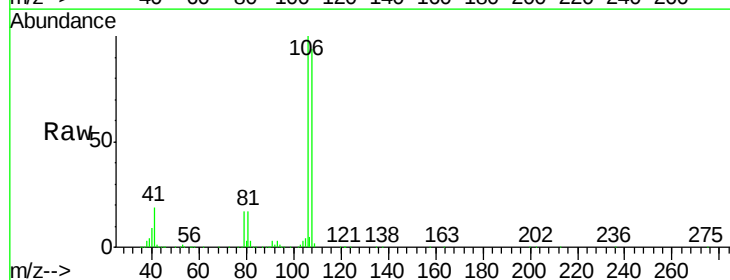
Manual Integrations
APPROVED

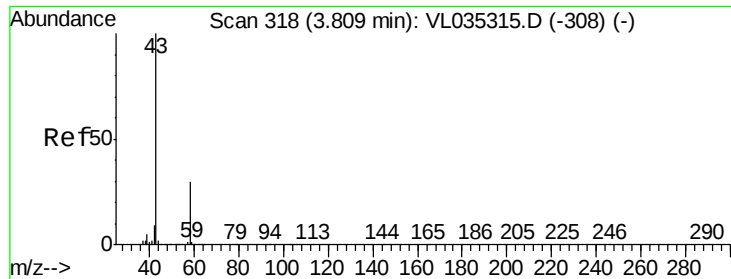
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#14
Bromoethene
Concen: 13.954 ppbv
RT: 3.70 min Scan# 284
Delta R.T. 0.00 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Tgt Ion	108	106	79	Ratio	Lower	Upper
108	100					
106	107.2			86.2	129.2	
79	18.6			14.0	21.0	





#15

Acetone

Concen: 11.549 ppbv

RT: 3.81 min Scan# 318

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 2351164

Ion Ratio Lower Upper

43 100

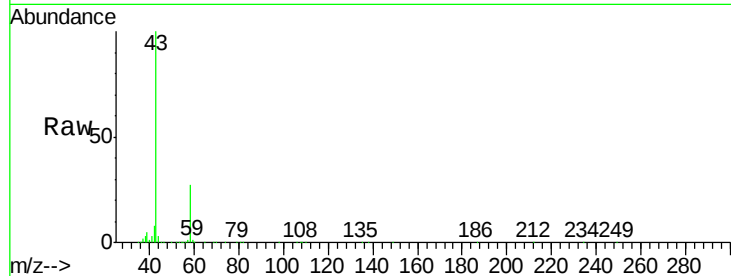
58 27.4 22.1 33.1

Manual Integrations

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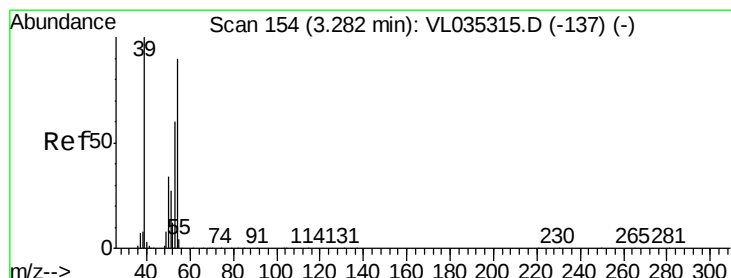
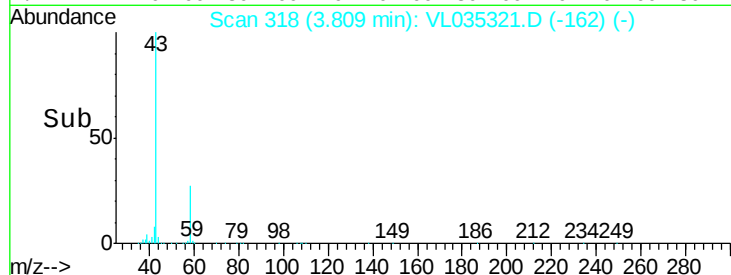
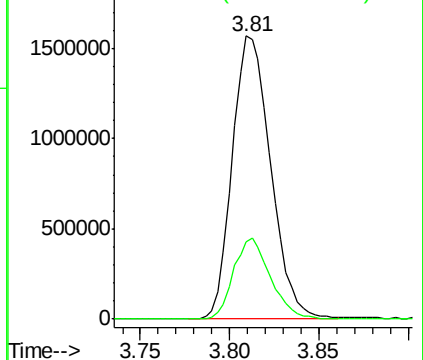
apatel

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 13.966 ppbv

RT: 3.28 min Scan# 154

Delta R.T. 0.00 min

Lab File: VL035321.D

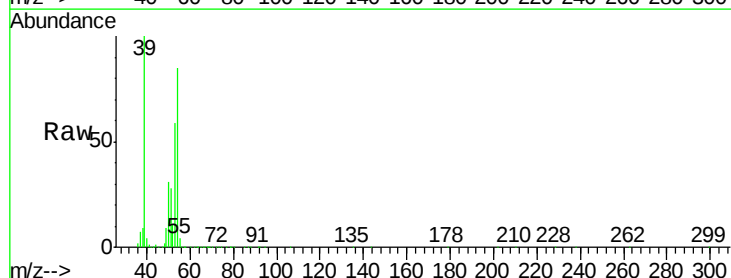
Acq: 3 Aug 2020 16:08

Tgt Ion: 39 Resp: 1109078

Ion Ratio Lower Upper

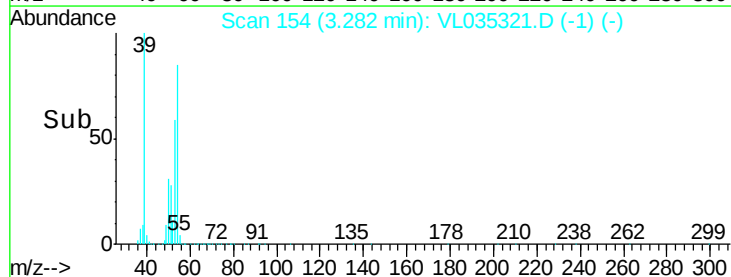
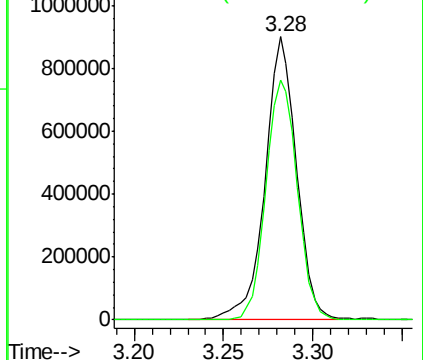
39 100

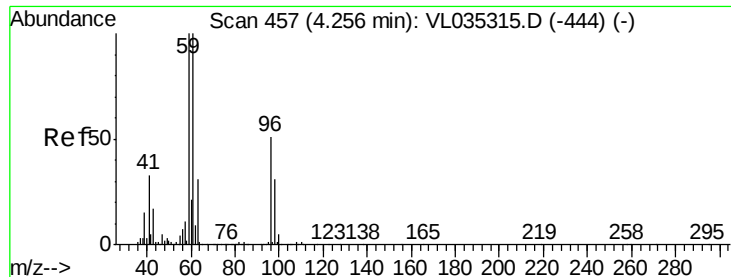
54 85.2 68.0 102.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

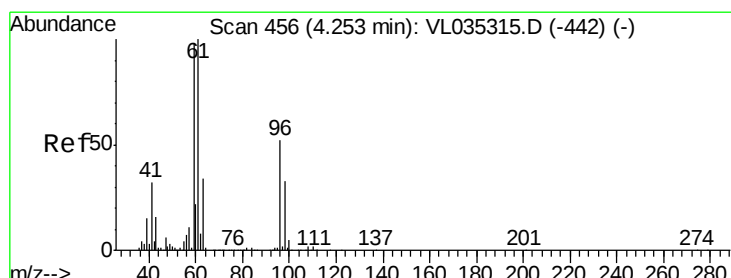
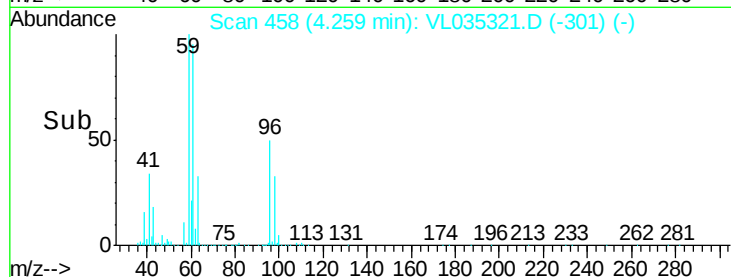
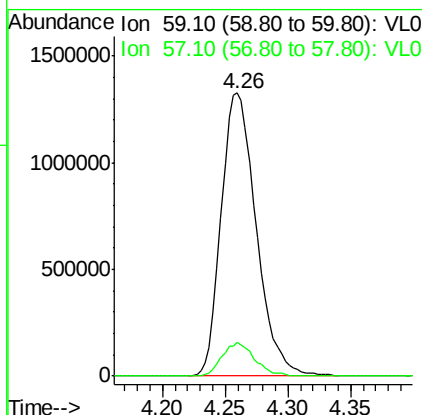
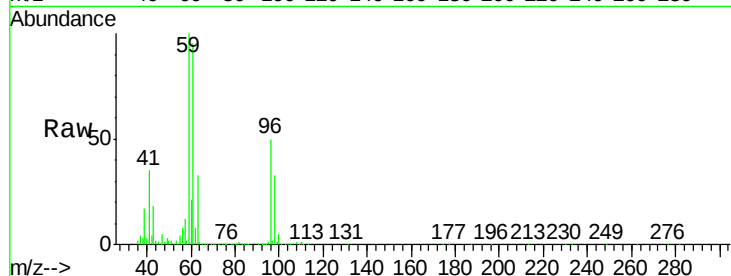
tert-Butyl alcohol
Concen: 13.072 ppbv
RT: 4.26 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Instrument :
MSVOA_L
ClientSampled :
VSTDIC015

Tot Ion: 59 Resp: 2568410
Ion Ratio Lower Upper
59 100
57 11.3 8.6 13.0

Manual Integrations
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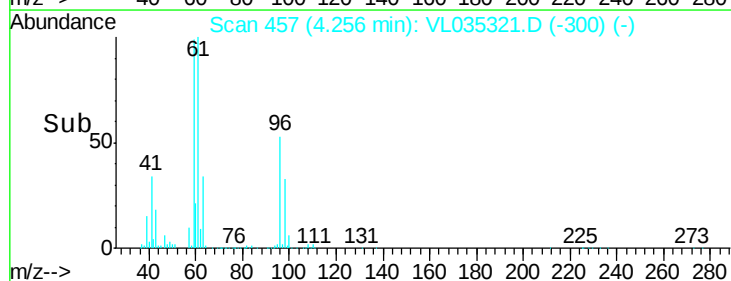
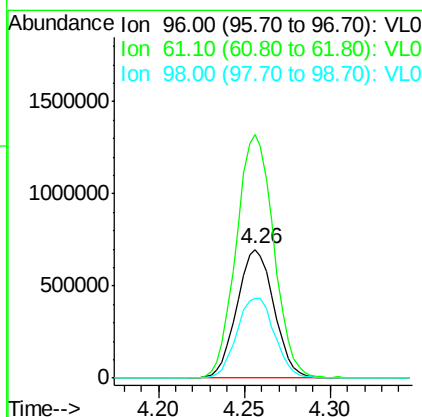
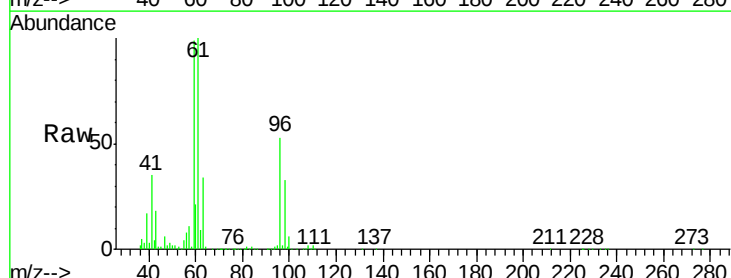
apatel
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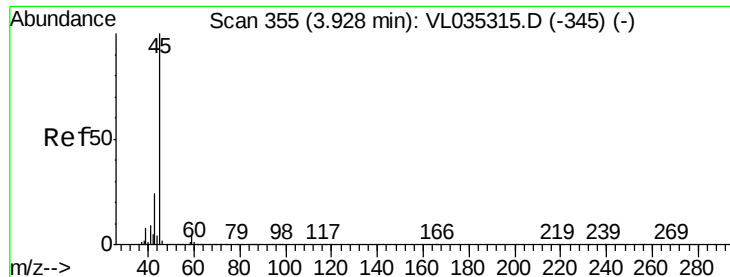


#18

1,1-Dichloroethene
Concen: 13.533 ppbv
RT: 4.26 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Tgt Ion: 96 Resp: 1044872
Ion Ratio Lower Upper
96 100
61 188.5 154.9 232.3
98 61.9 51.0 76.4





#19

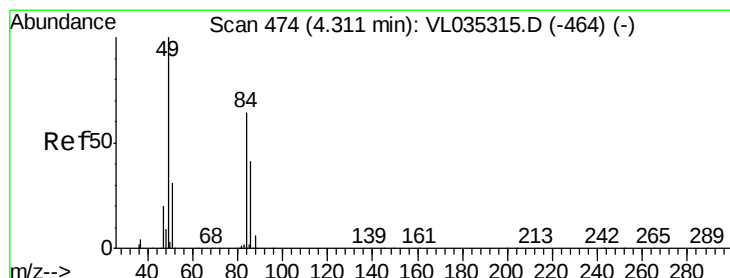
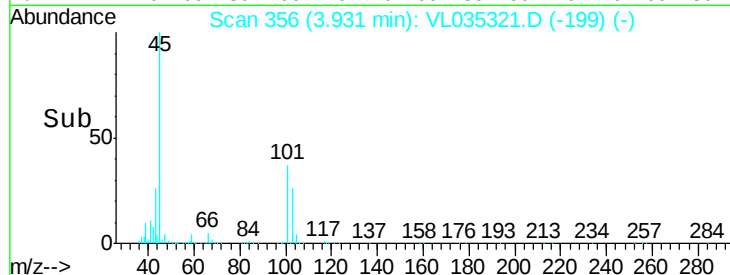
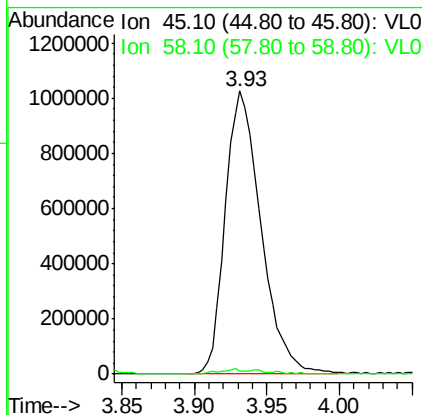
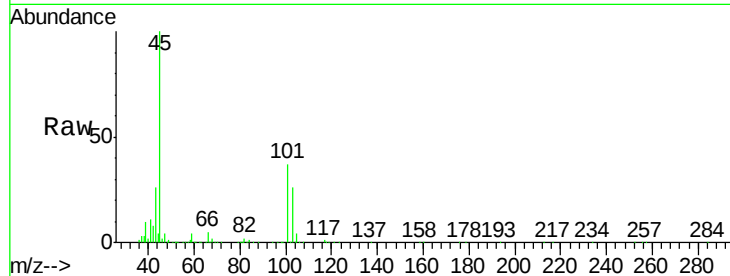
Isopropyl Alcohol
 Concen: 13.097 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. 0.00 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 45 Resp: 1758562
 Ion Ratio Lower Upper
 45 100
 58 2.3 1.5 2.3

Manual Integrations
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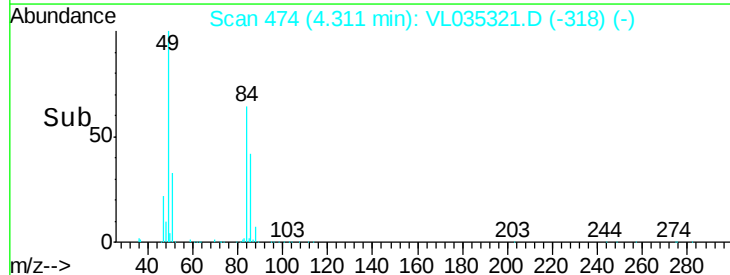
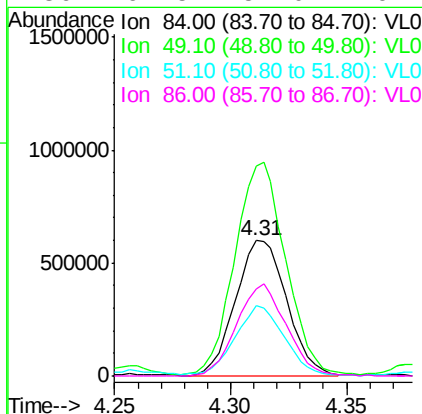
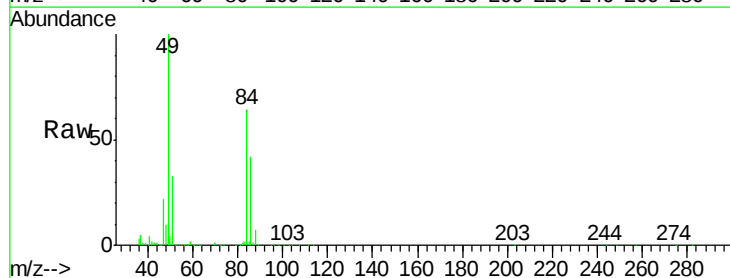
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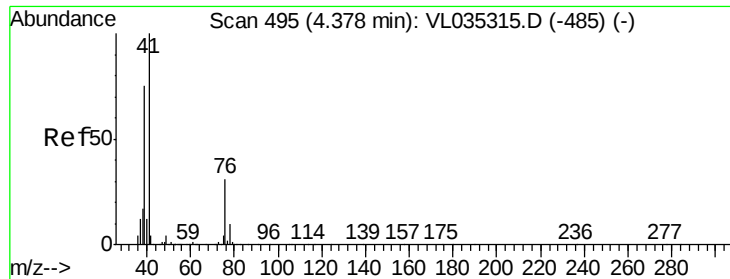


#20

Methylene Chloride
 Concen: 9.893 ppbv
 RT: 4.31 min Scan# 474
 Delta R.T. 0.00 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Tgt Ion: 84 Resp: 916770
 Ion Ratio Lower Upper
 84 100
 49 154.2 124.2 186.2
 51 50.8 38.6 58.0
 86 64.5 51.0 76.4





#21

Allvl Chloride

Concen: 14.339 ppbv

RT: 4.38 min Scan# 496

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

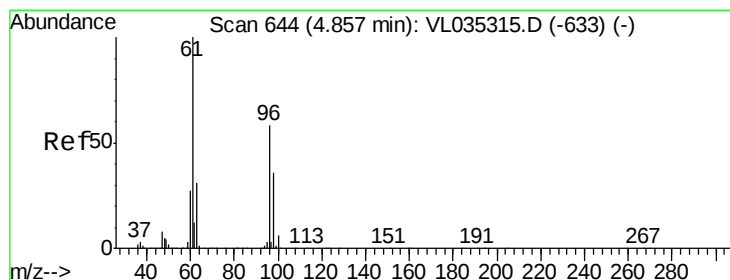
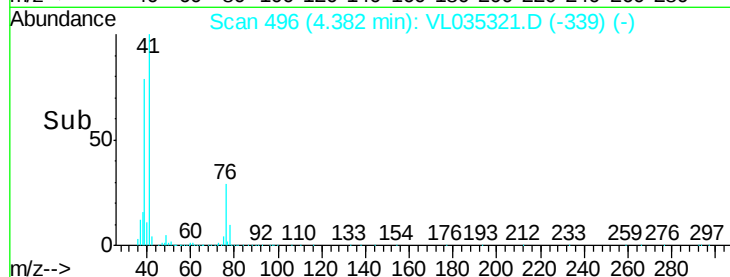
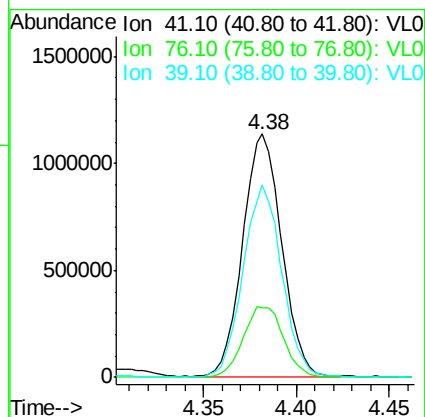
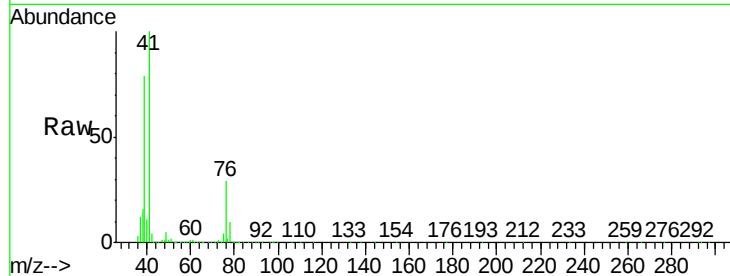
ClientSampleId :

VSTDIC015

Tot Ion:	41	Resp:	1662474
Ion	Ratio	Lower	Upper
41	100		
76	30.4	24.4	36.6
39	79.3	61.8	92.6

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#22

trans-1,2-Dichloroethene

Concen: 13.909 ppbv

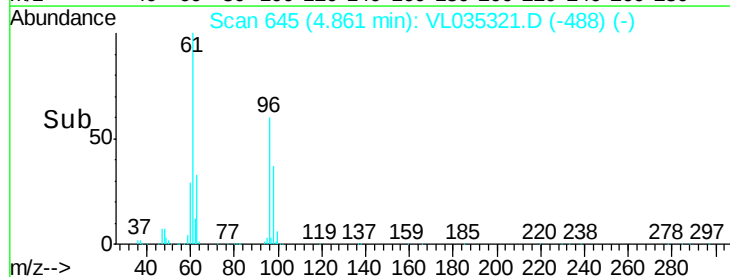
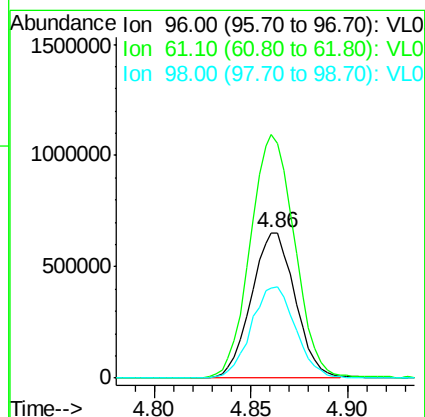
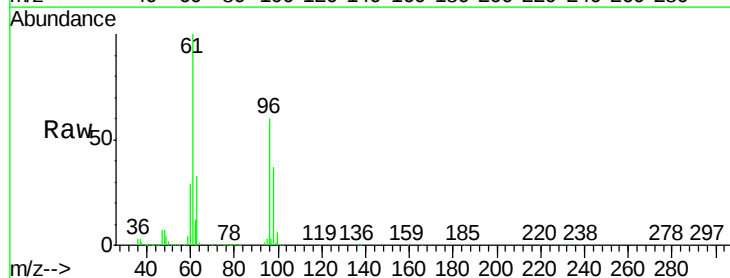
RT: 4.86 min Scan# 645

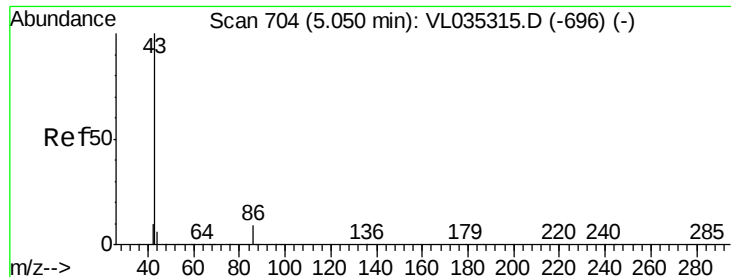
Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Tgt Ion:	96	Resp:	1031919
Ion	Ratio	Lower	Upper
96	100		
61	167.2	136.8	205.2
98	62.2	49.2	73.8





#23

Vinyl Acetate

Concen: 14.637 ppbv

RT: 5.05 min Scan# 705

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampled :

VSTDIC015

Tot Ion: 43 Resp: 2994248

Ion Ratio Lower Upper

43 100

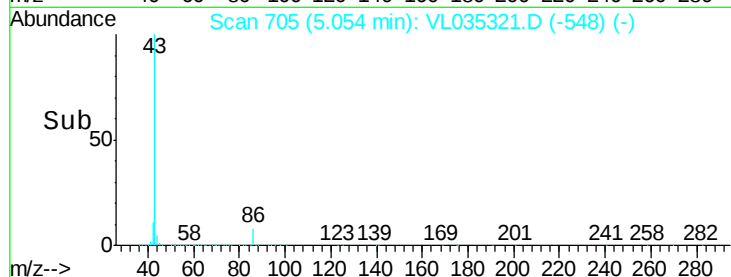
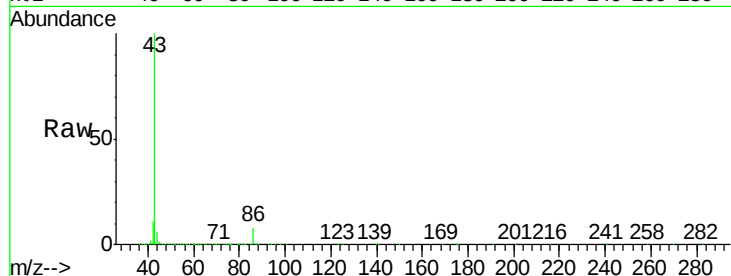
86 7.8 6.5 9.7

42 11.5 8.2 12.4

44 6.1 5.0 7.6

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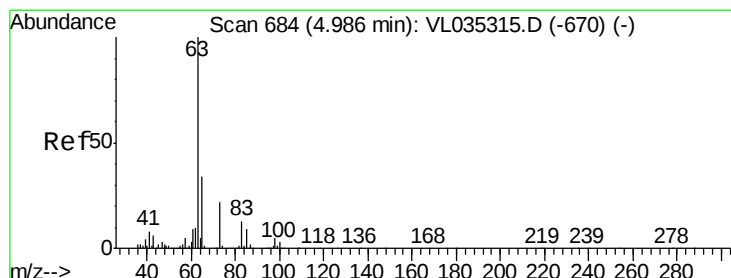
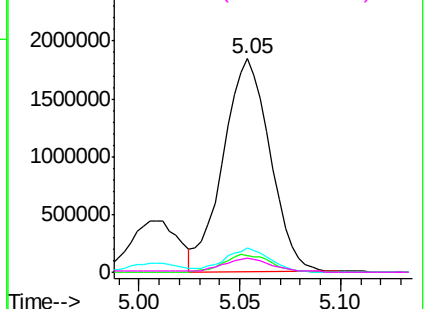


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 13.102 ppbv

RT: 4.99 min Scan# 685

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

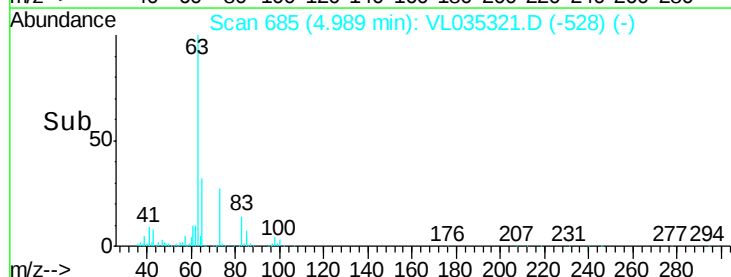
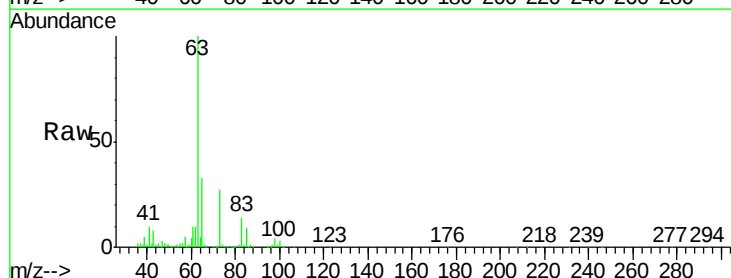
Tgt Ion: 63 Resp: 2499693

Ion Ratio Lower Upper

63 100

98 4.3 2.5 7.5

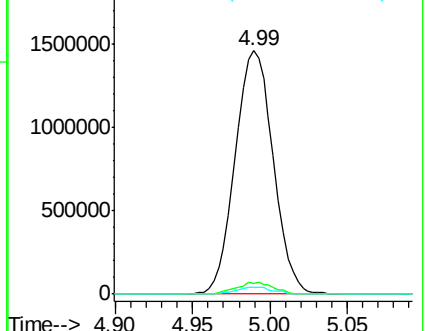
100 2.9 1.5 4.4

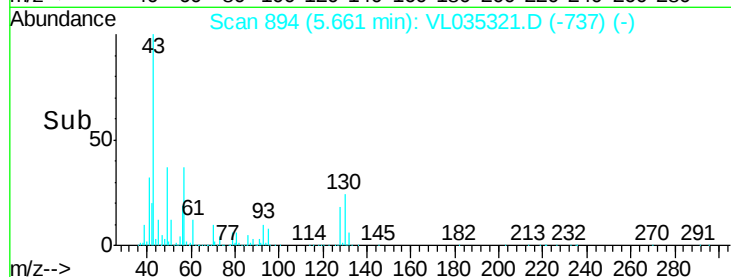
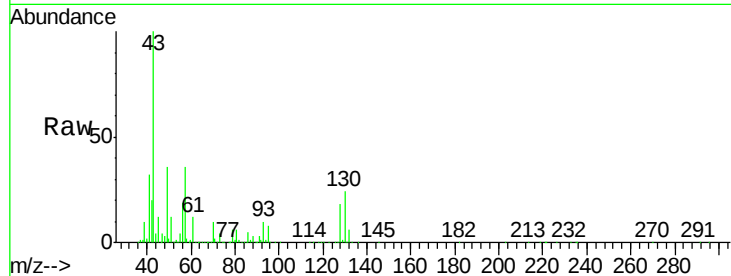
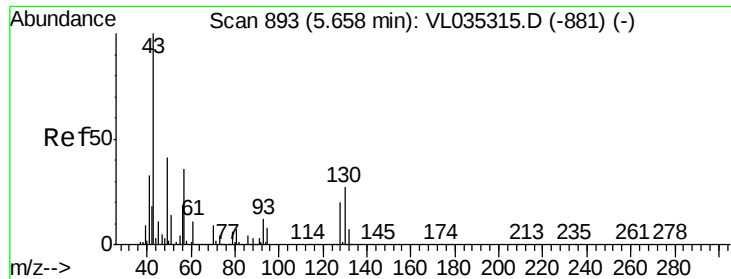


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

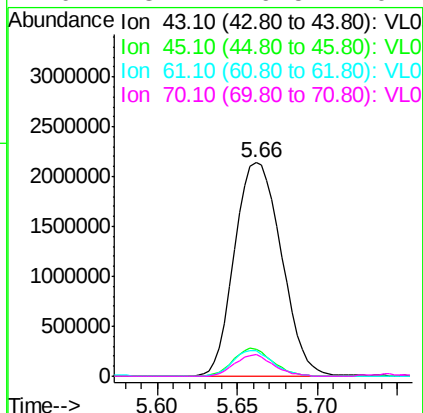
Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 13.464 ppbv
RT: 5.66 min Scan# 894
Delta R.T. 0.00 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

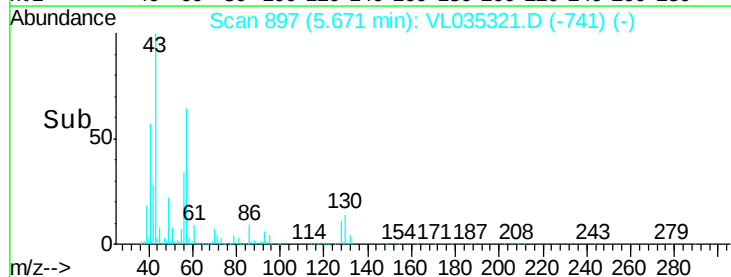
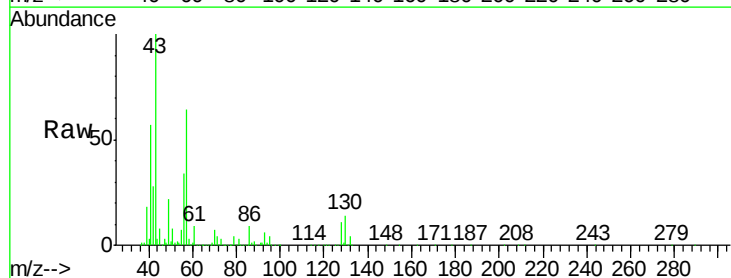
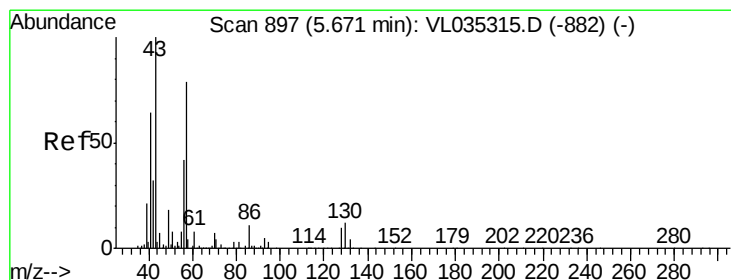
Tot Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.6	12.8
61	10.4	8.1	12.1
70	8.4	6.5	9.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

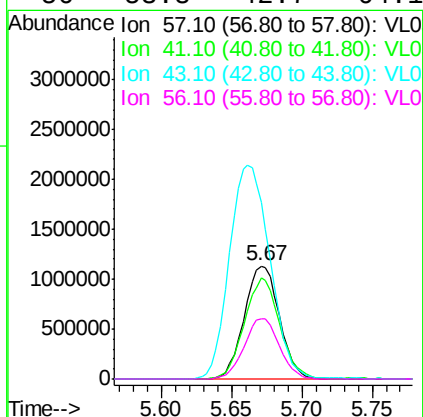
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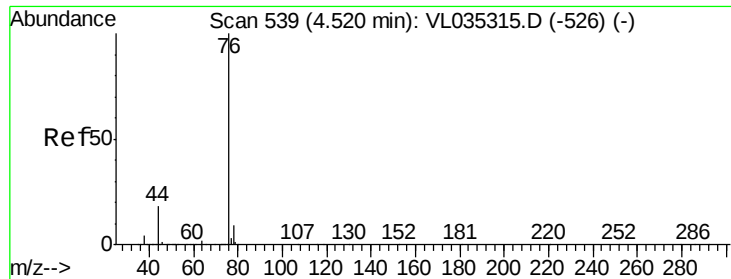
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#26
Hexane
Concen: 13.729 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Tgt Ion	Ratio	Lower	Upper
57	100		
41	90.7	72.1	108.1
43	218.7	179.0	268.6
56	53.8	42.7	64.1





#27

Carbon Disulfide

Concen: 13.983 ppbv

RT: 4.52 min Scan# 539

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 76 Resp: 2709491

Ion Ratio Lower Upper

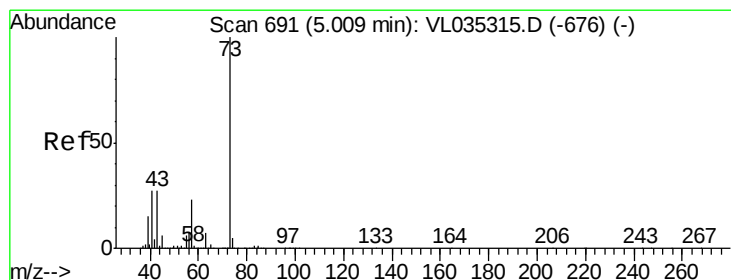
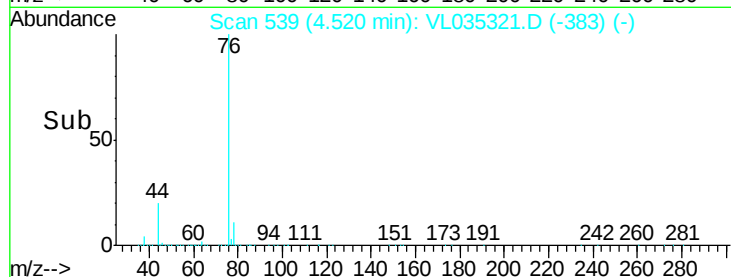
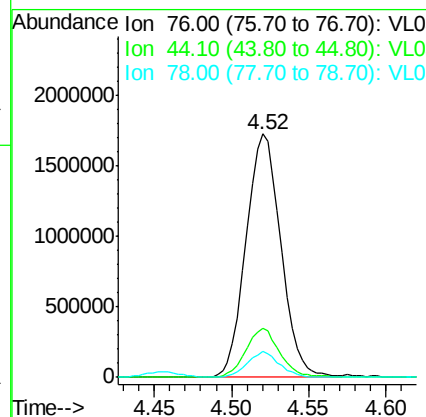
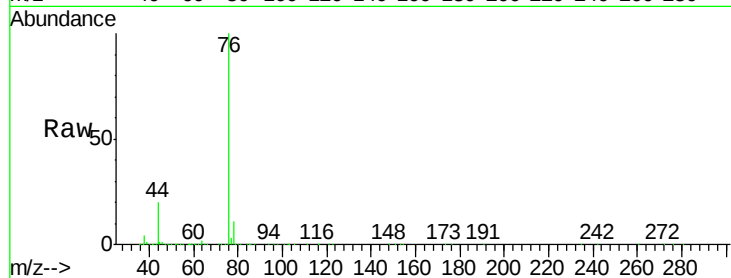
76 100

44 19.1 14.8 22.2

78 9.8 7.8 11.8

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 14.521 ppbv

RT: 5.01 min Scan# 691

Delta R.T. 0.00 min

Lab File: VL035321.D

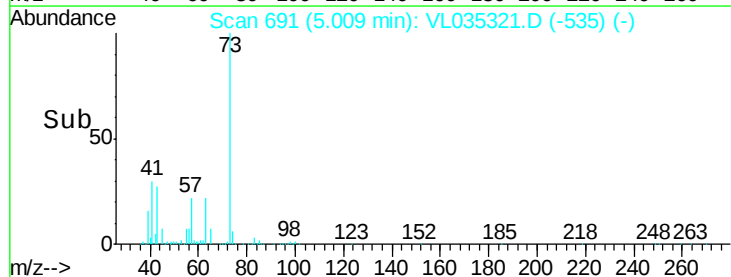
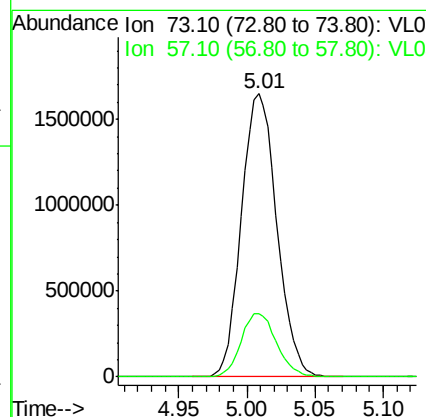
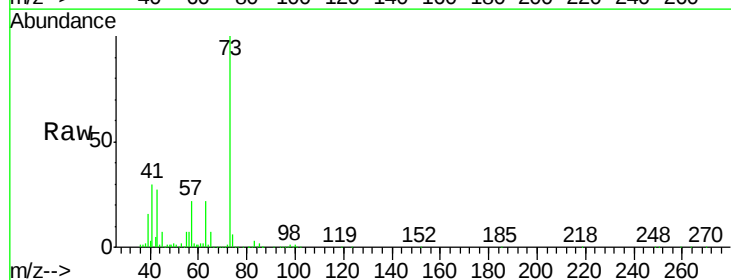
Acq: 3 Aug 2020 16:08

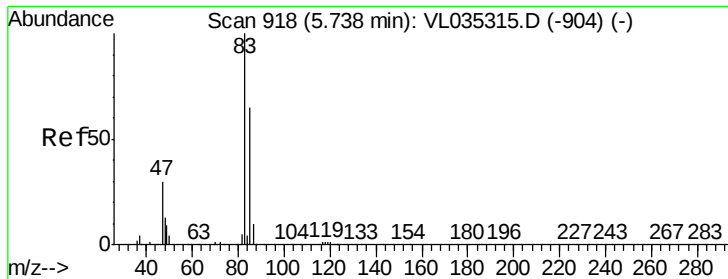
Tgt Ion: 73 Resp: 2977313

Ion Ratio Lower Upper

73 100

57 22.6 18.2 27.2





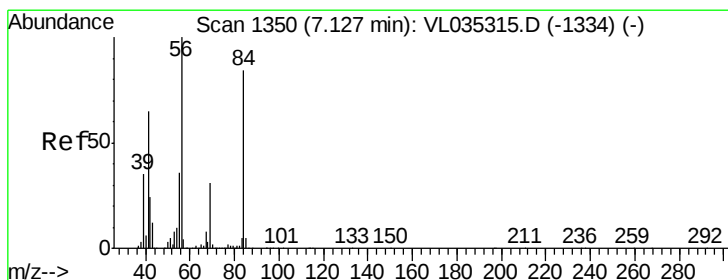
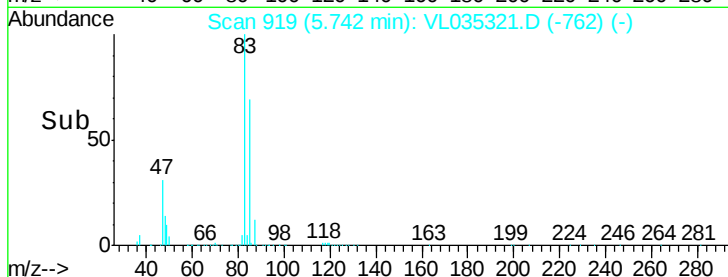
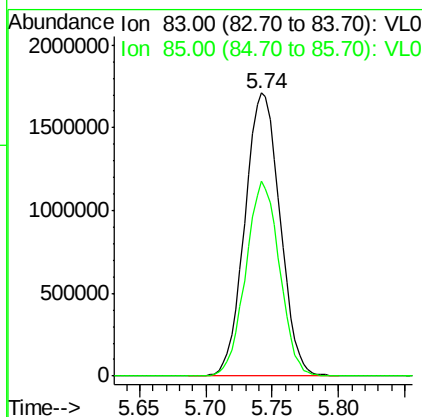
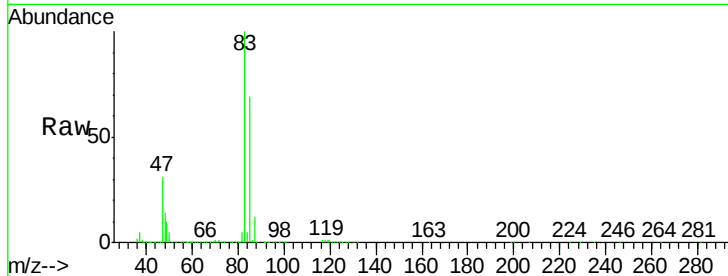
#29
Chloroform
Concen: 13.141 ppbv
RT: 5.74 min Scan# 919
Delta R.T. 0.00 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 83 Resp: 3161139
Ion Ratio Lower Upper
83 100
85 68.9 51.9 77.9

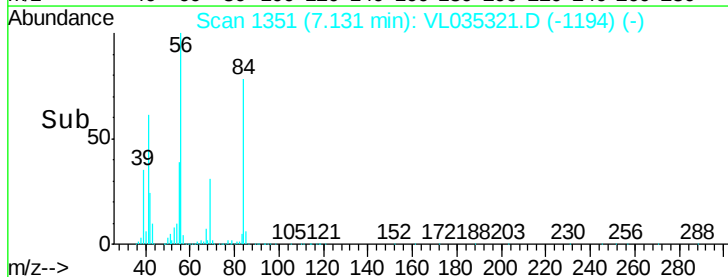
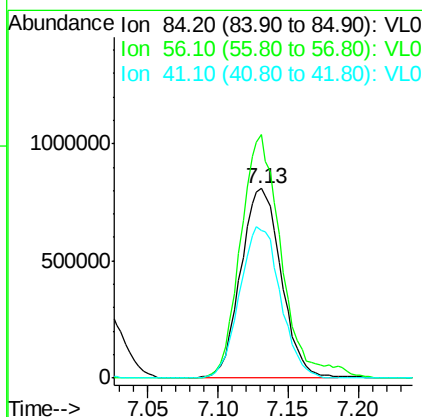
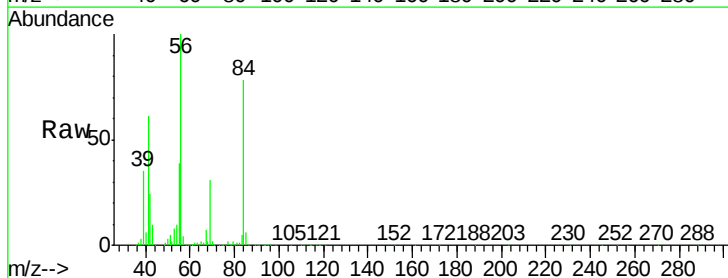
Manual Integrations
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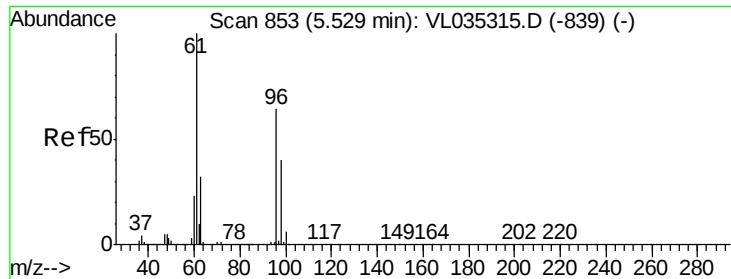
apatel
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#30
Cyclohexane
Concen: 15.883 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Tgt Ion: 84 Resp: 1628275
Ion Ratio Lower Upper
84 100
56 129.9 103.0 154.6
41 80.4 62.7 94.1





#31

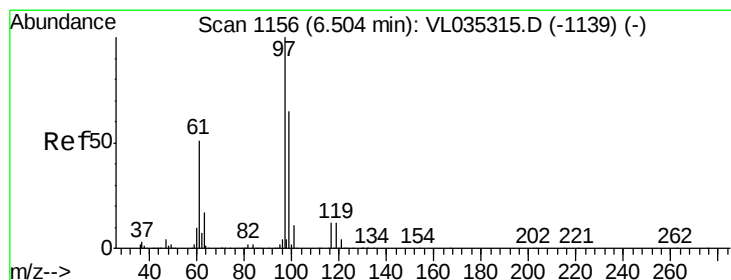
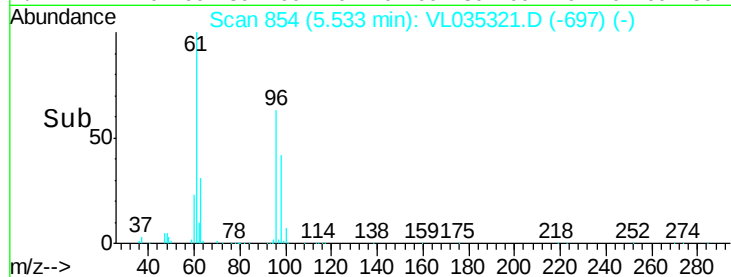
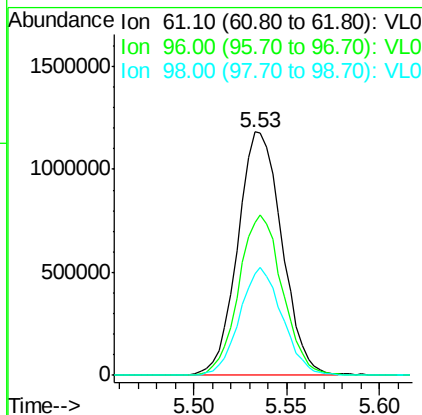
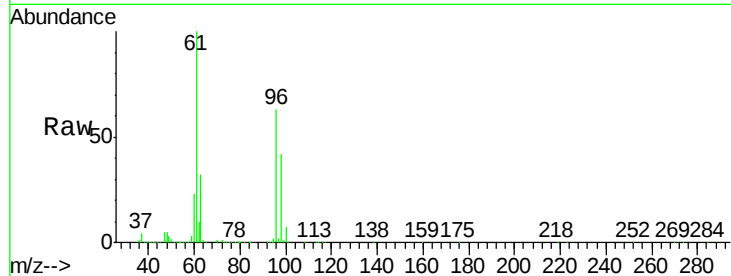
cis-1,2-Dichloroethene
 Concen: 15.643 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.4	51.4	77.2
98	41.7	32.2	48.4

Manual Integrations
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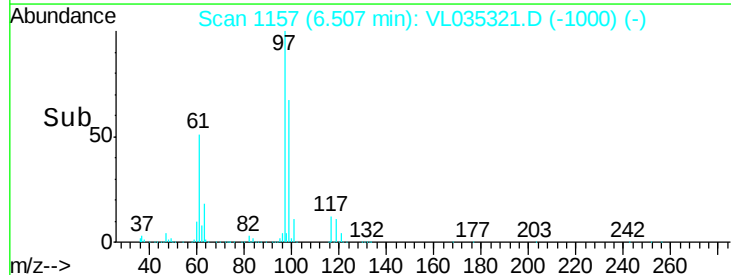
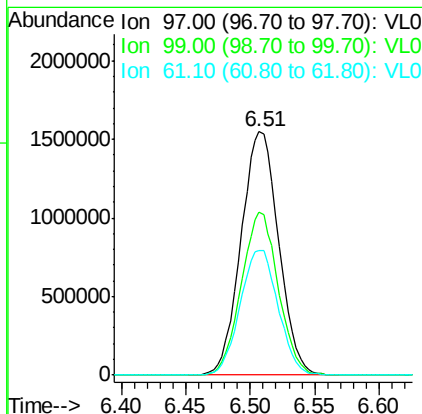
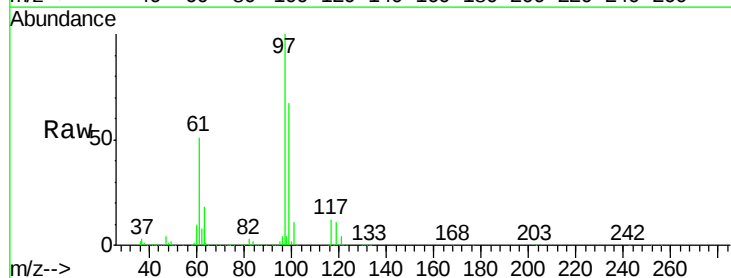
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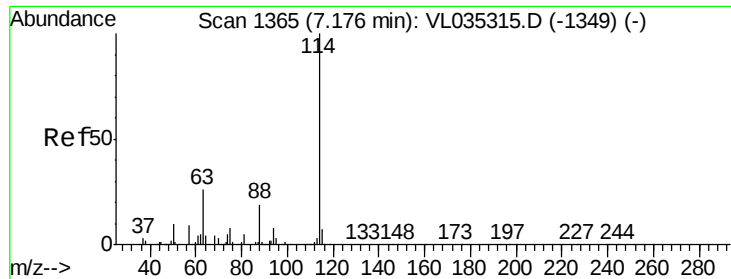


#32

1,1,1-Trichloroethane
 Concen: 12.774 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	52.2	78.4
61	51.7	40.9	61.3





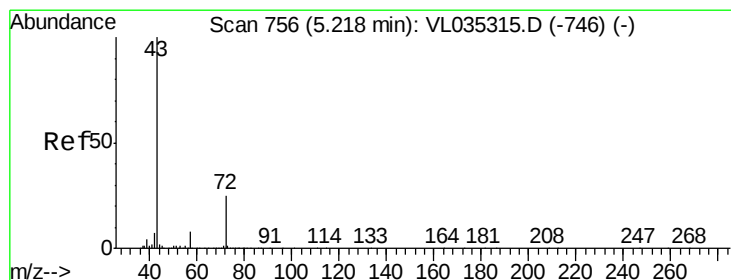
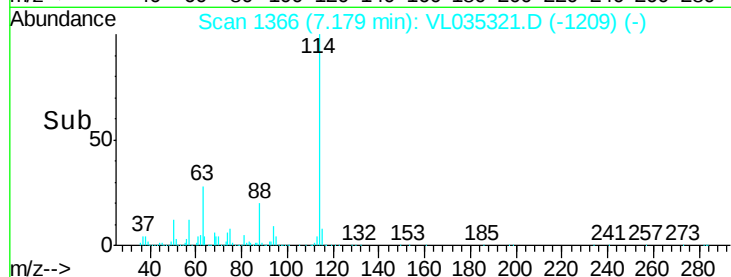
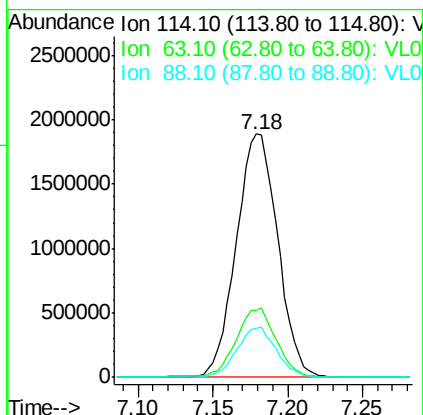
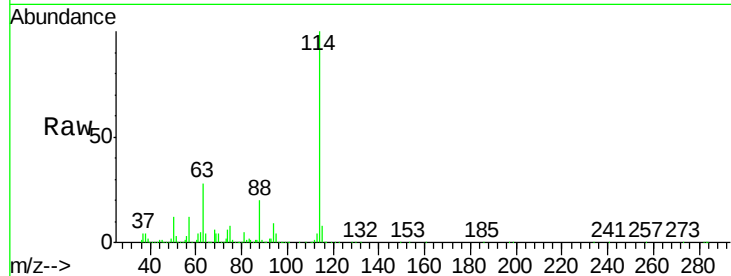
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.8	21.5	32.3
88	19.5	15.3	22.9

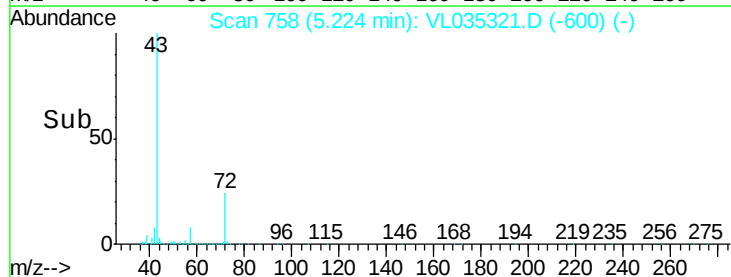
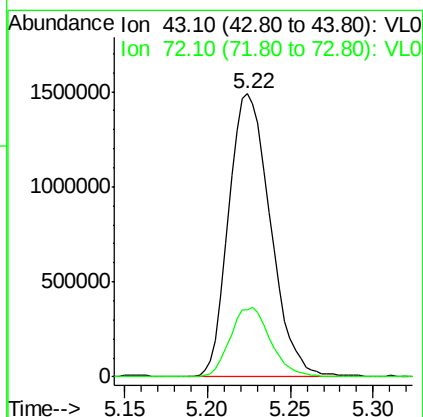
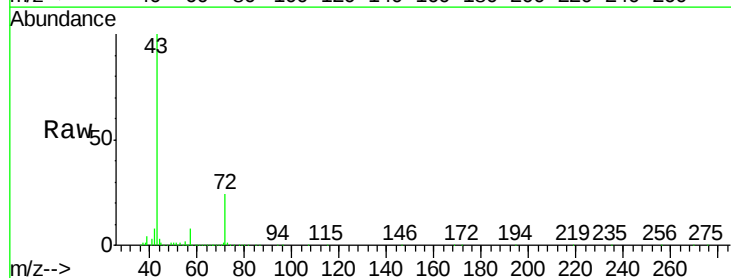
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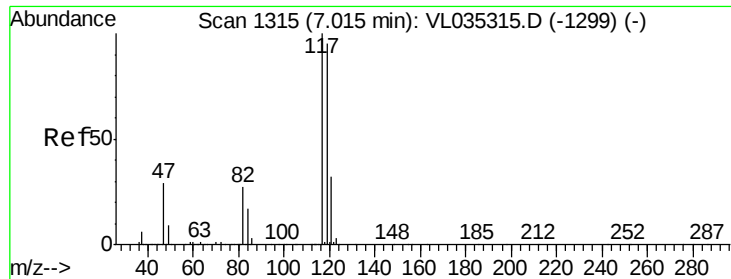
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#34
 2-Butanone
 Concen: 14.016 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. 0.01 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.1	19.2	28.8





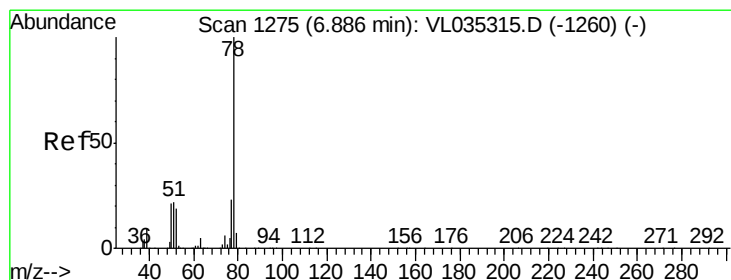
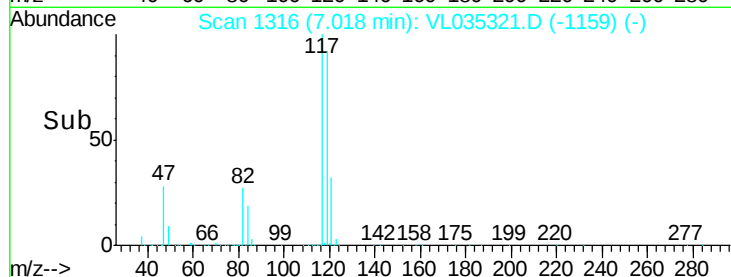
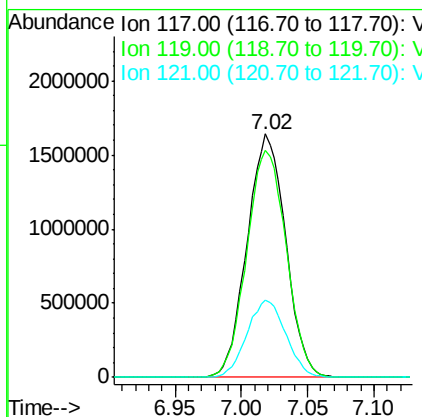
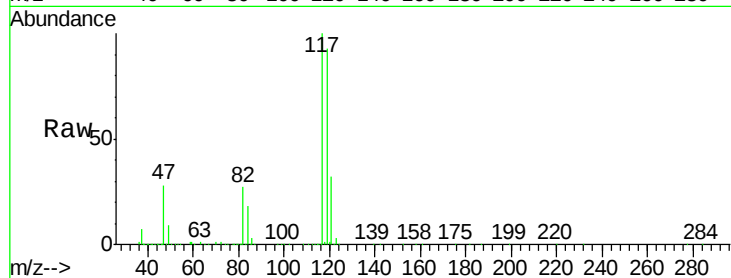
#35
Carbon Tetrachloride
Concen: 13.657 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:117 Resp: 3330471
Ion Ratio Lower Upper
117 100
119 93.5 76.1 114.1
121 31.7 25.6 38.4

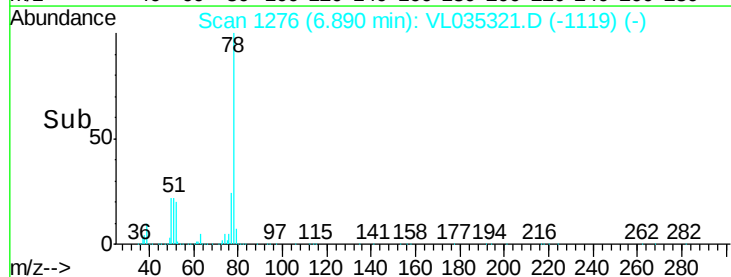
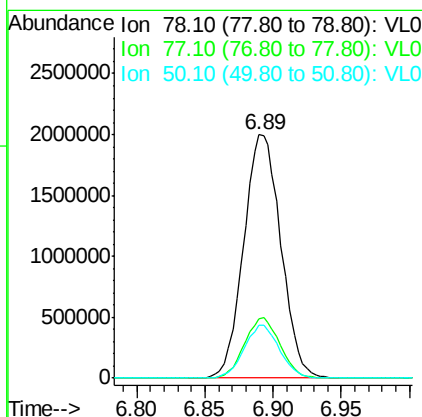
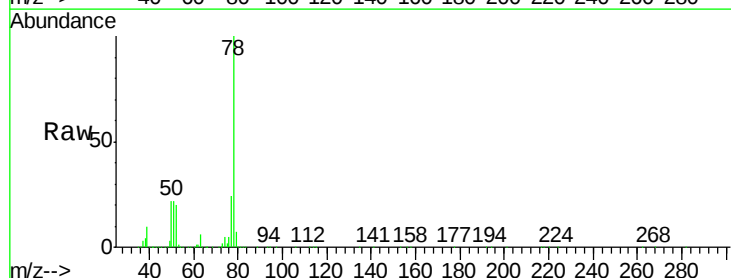
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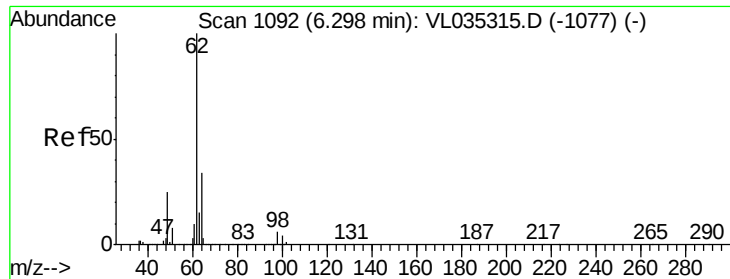
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#36
Benzene
Concen: 14.911 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Tgt Ion: 78 Resp: 3774223
Ion Ratio Lower Upper
78 100
77 24.1 18.4 27.6
50 21.6 16.6 25.0





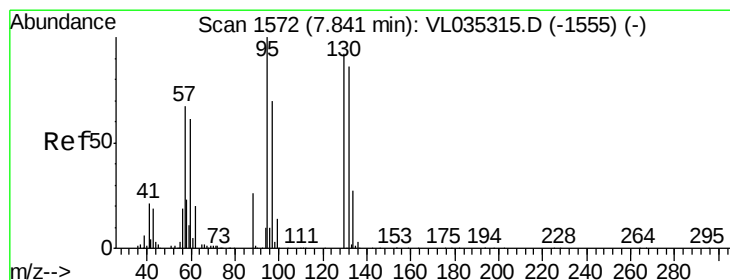
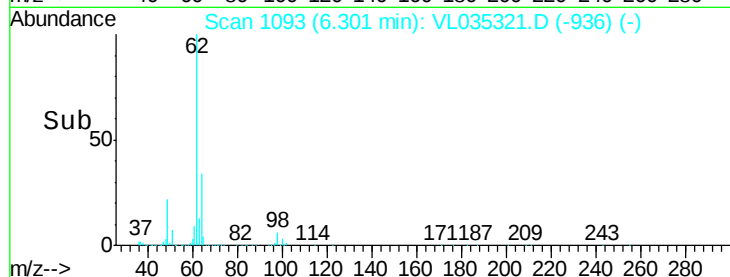
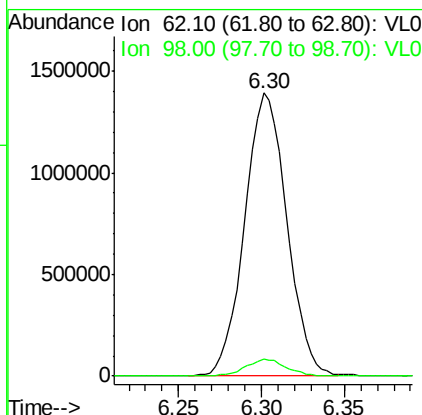
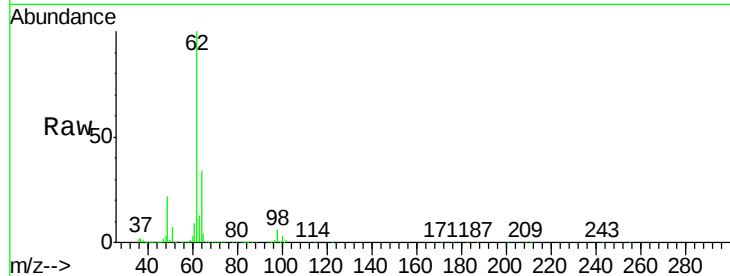
#37
 1,2-Dichloroethane
 Concen: 13.946 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.8	4.6	7.0

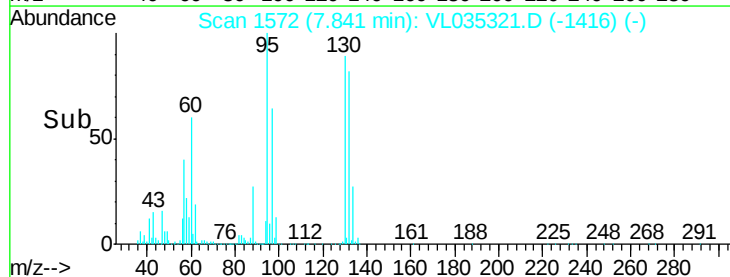
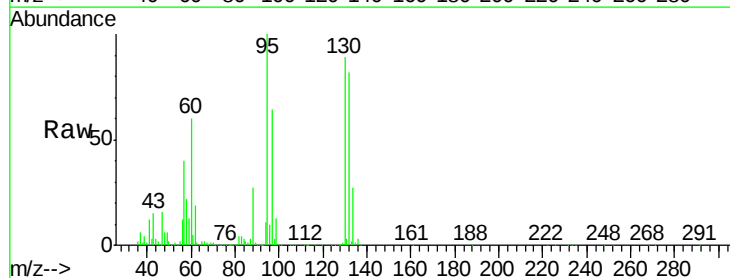
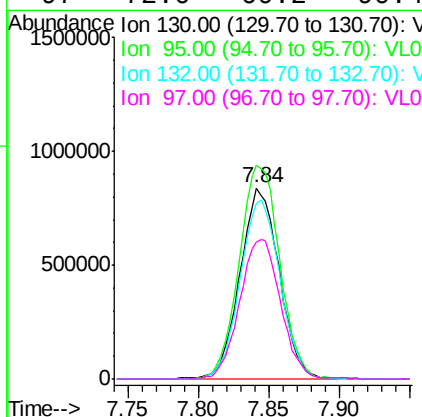
Manual Integrations
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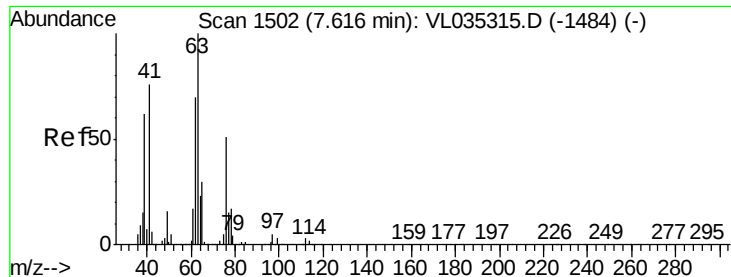
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#38
 Trichloroethene
 Concen: 15.415 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.0	86.3	129.5
132	91.8	74.2	111.2
97	72.0	60.2	90.4





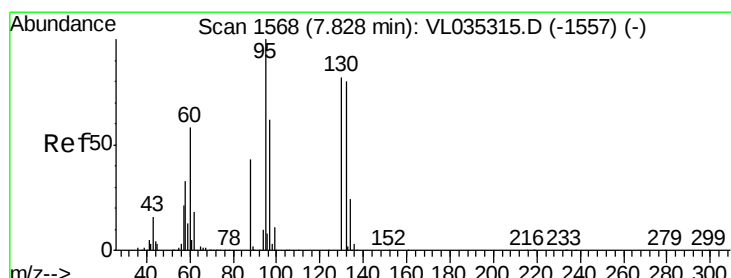
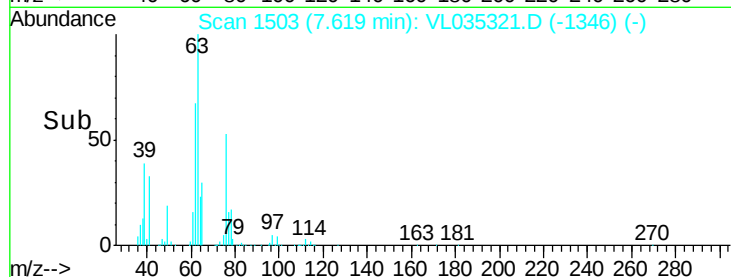
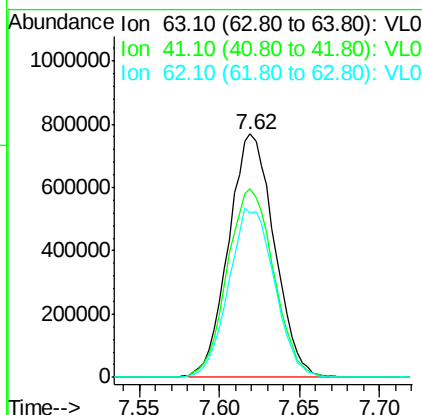
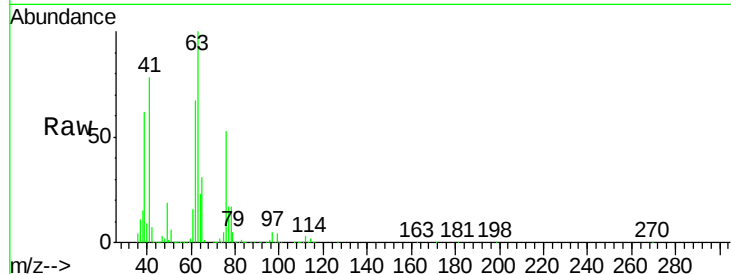
#39
 1,2-Dichloropropane
 Concen: 14.766 ppbv
 RT: 7.62 min Scan# 1503
 Delta R.T. 0.00 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
63	100		
41	77.5	61.0	91.4
62	67.1	55.8	83.8

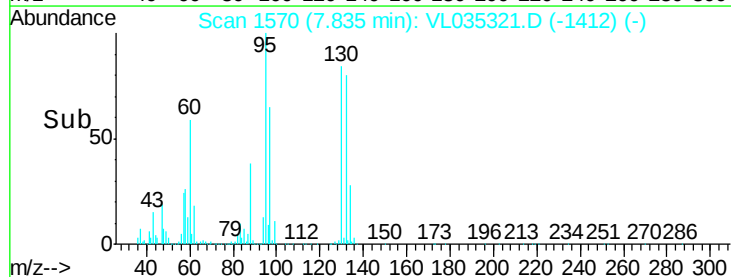
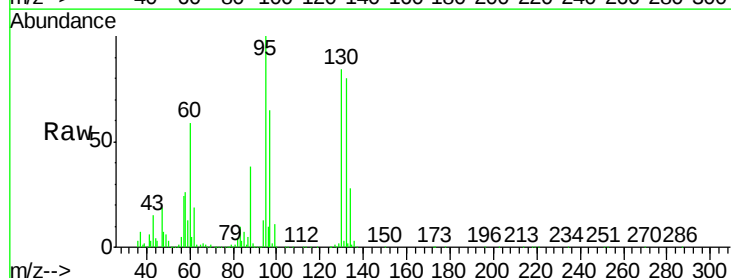
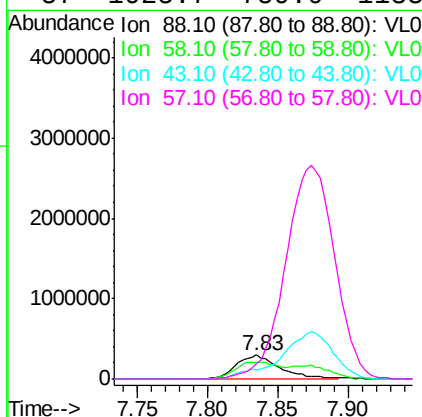
Manual Integrations
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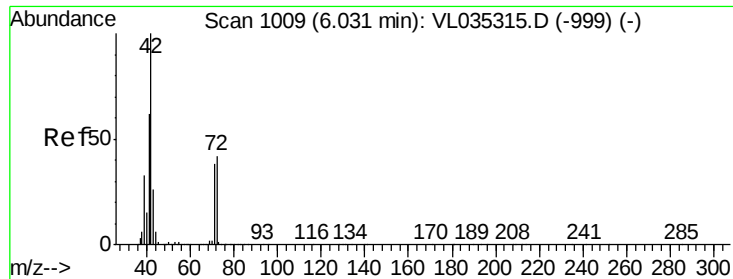
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#40
 1,4-Dioxane
 Concen: 15.871 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Tgt Ion	Ratio	Lower	Upper
88	100		
58	126.3	95.4	143.2
43	243.8	172.7	259.1
57	1025.7	759.0	1138.4





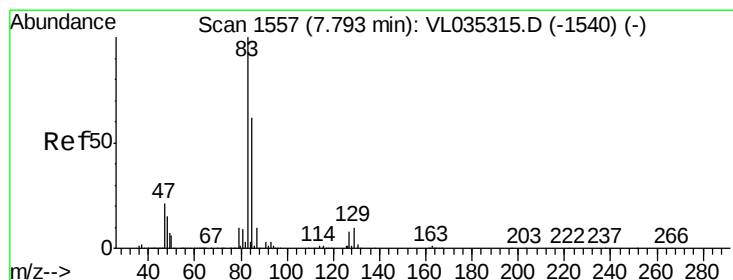
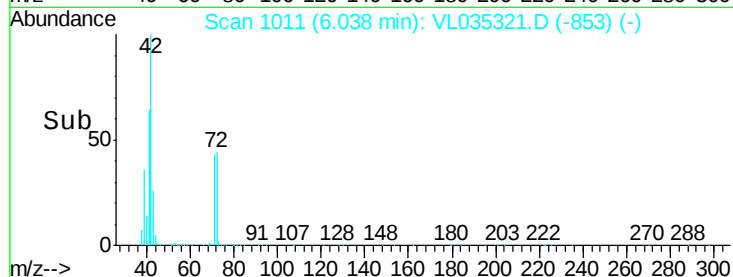
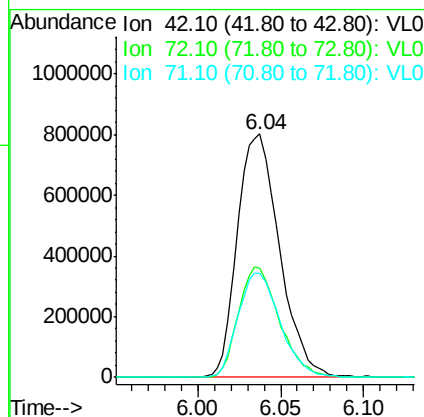
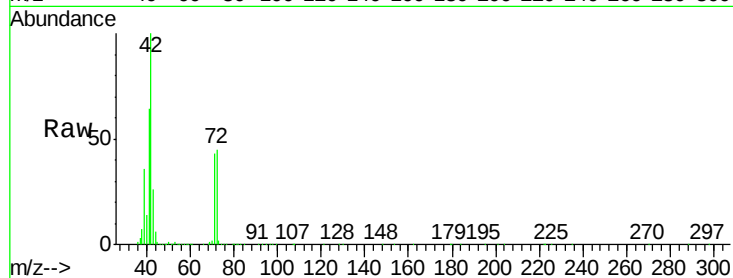
#41
Tetrahydrofuran
Concen: 15.597 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 42 Resp: 1416582
Ion Ratio Lower Upper
42 100
72 44.2 33.8 50.8
71 43.1 32.7 49.1

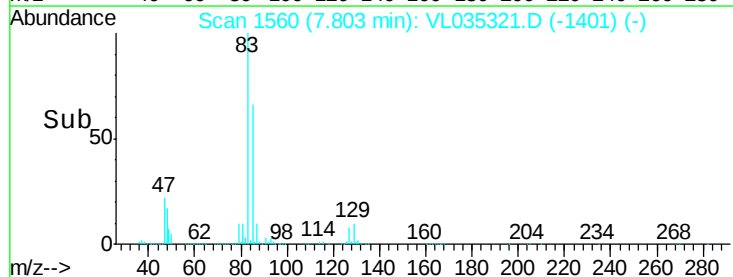
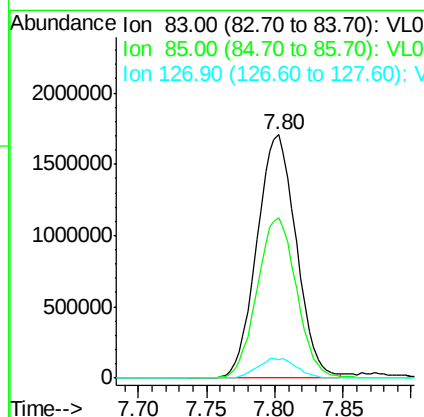
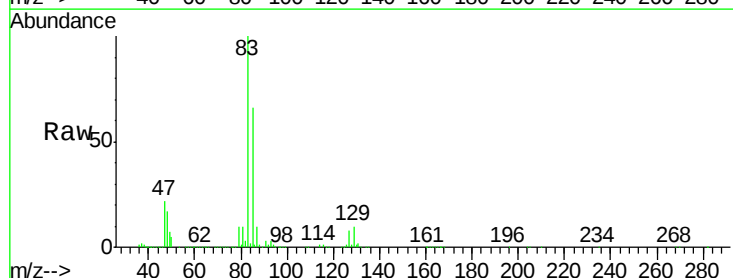
Manual Integrations
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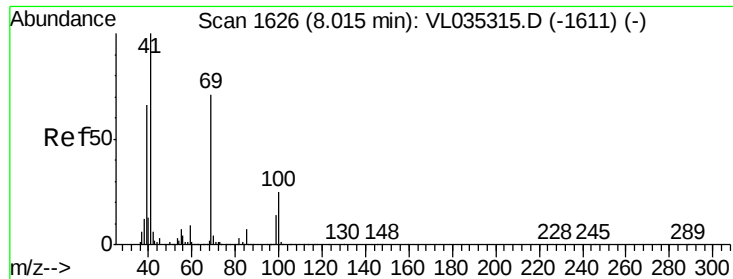
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#42
Bromodichloromethane
Concen: 14.459 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. 0.01 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Tgt Ion: 83 Resp: 3414739
Ion Ratio Lower Upper
83 100
85 66.0 49.9 74.9
127 7.7 6.6 10.0





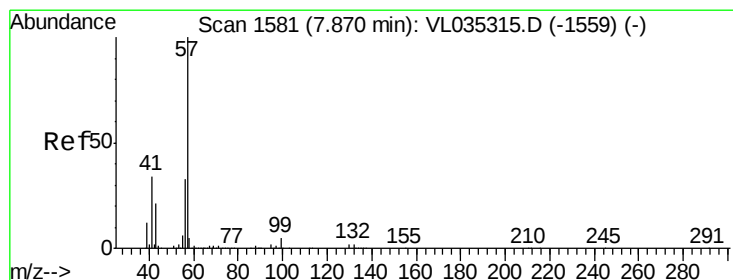
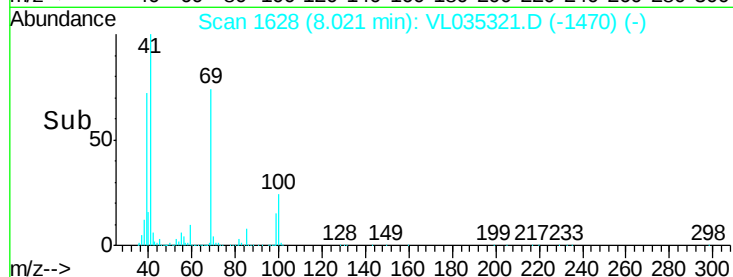
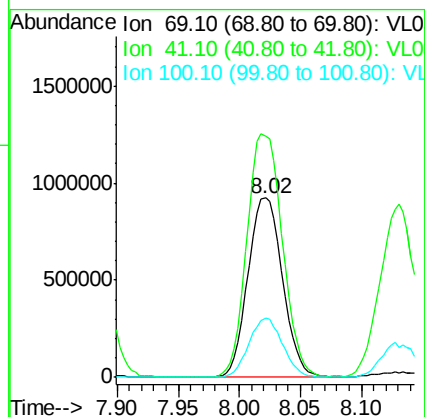
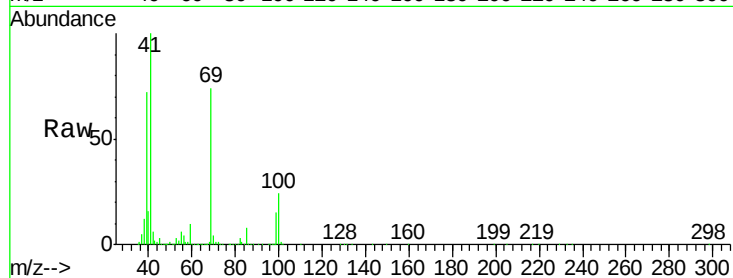
#43
Methyl Methacrylate
Concen: 16.490 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.01 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 69 Resp: 1808371
Ion Ratio Lower Upper
69 100
41 139.0 110.9 166.3
100 32.3 26.0 39.0

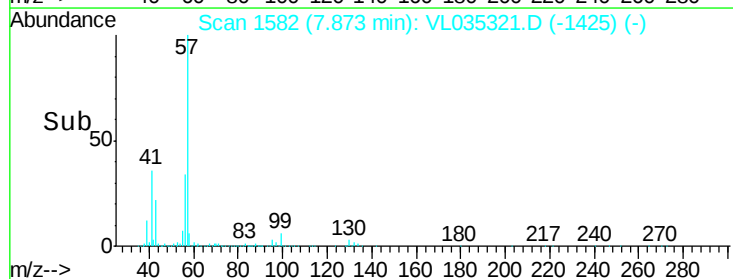
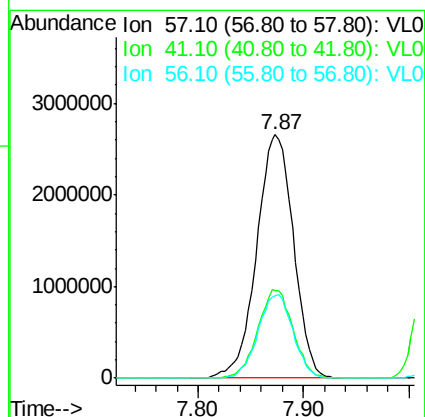
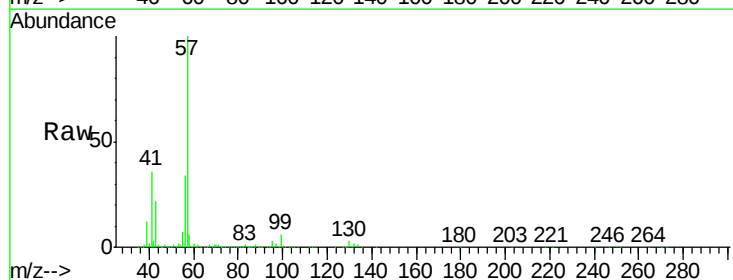
Manual Integrations
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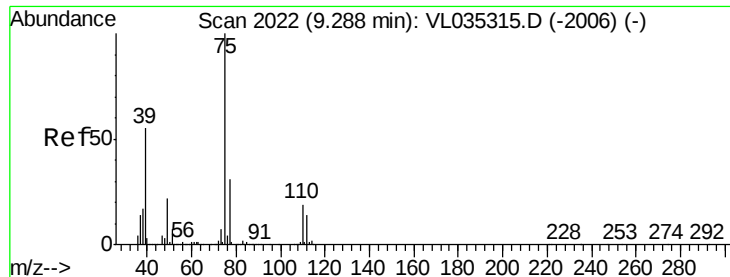
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#44
2,2,4-Trimethylpentane
Concen: 14.492 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Tgt Ion: 57 Resp: 6462948
Ion Ratio Lower Upper
57 100
41 34.6 26.7 40.1
56 32.7 25.4 38.0





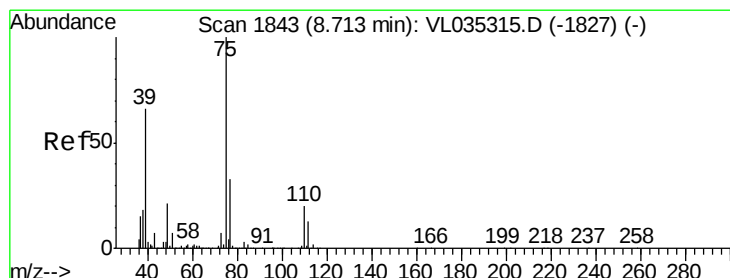
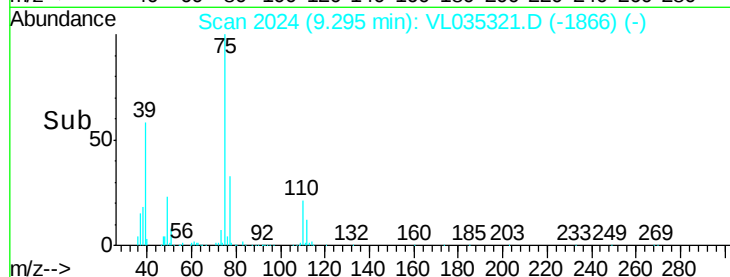
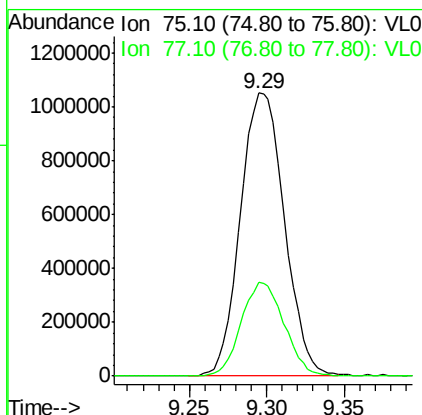
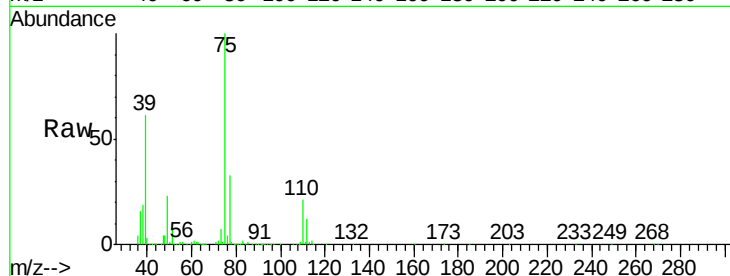
#45
t-1,3-Dichloropropene
Concen: 18.849 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. 0.01 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 75 Resp: 2082760
Ion Ratio Lower Upper
75 100
77 33.2 24.6 37.0

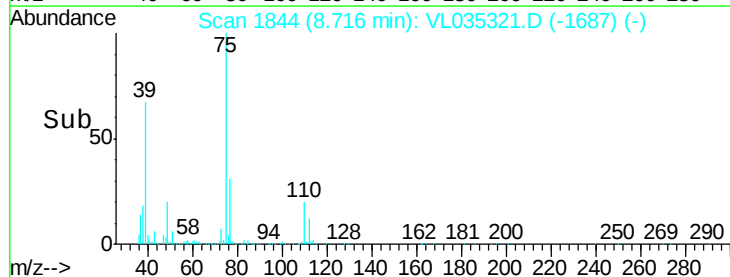
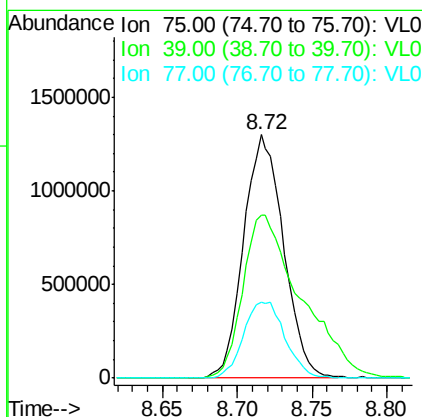
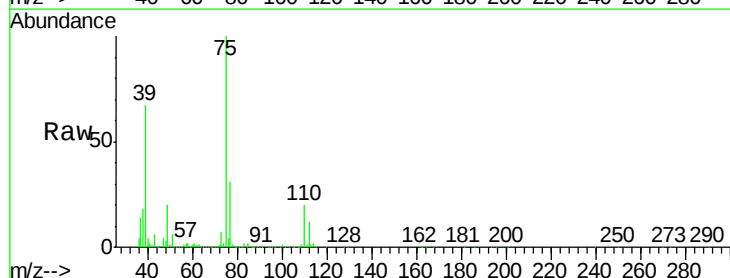
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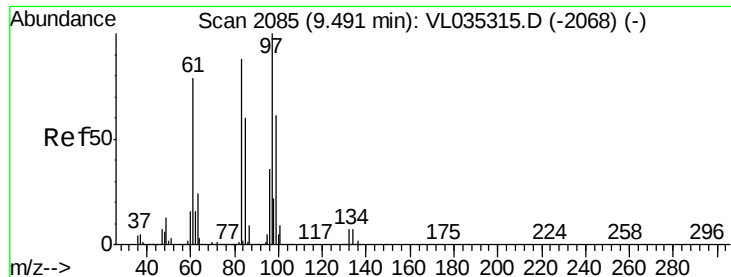
apatel
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#46
cis-1,3-Dichloropropene
Concen: 17.949 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Tgt Ion: 75 Resp: 2416291
Ion Ratio Lower Upper
75 100
39 66.7 52.6 79.0
77 31.2 26.5 39.7





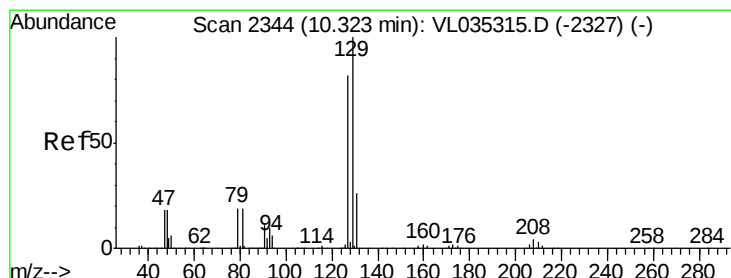
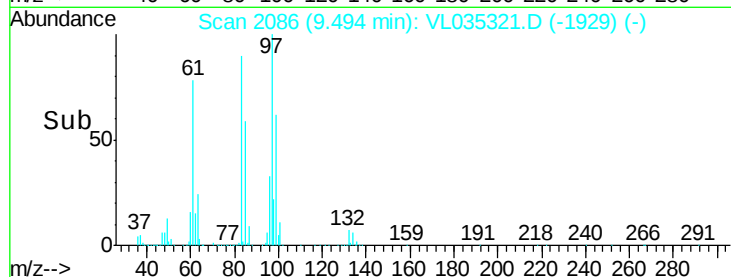
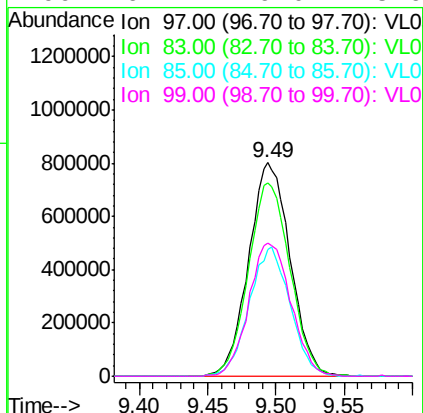
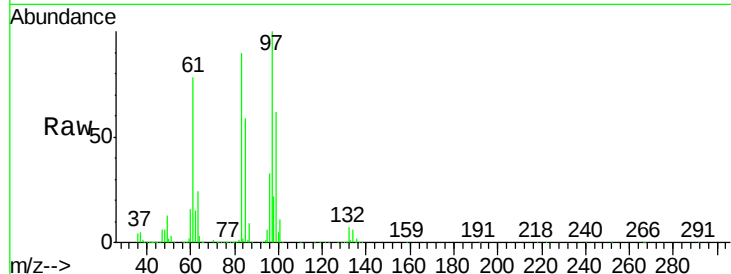
#47
 1,1,2-Trichloroethane
 Concen: 14.186 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	90.3	70.6	105.8	
85	59.3	47.8	71.8	
99	62.4	49.0	73.6	

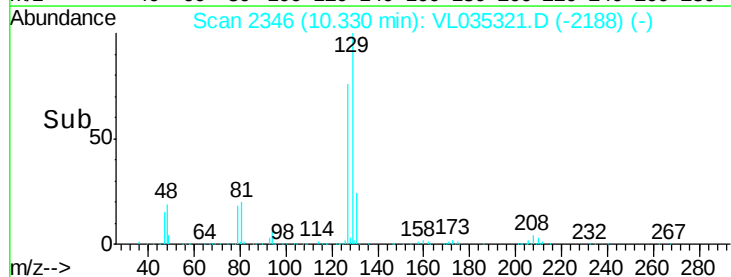
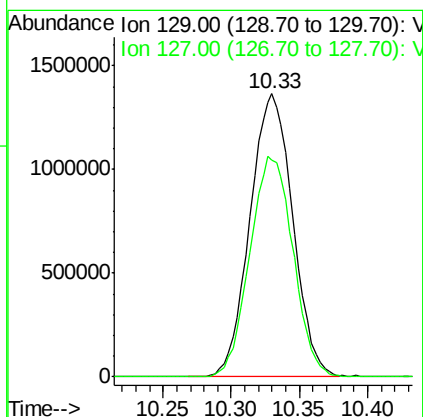
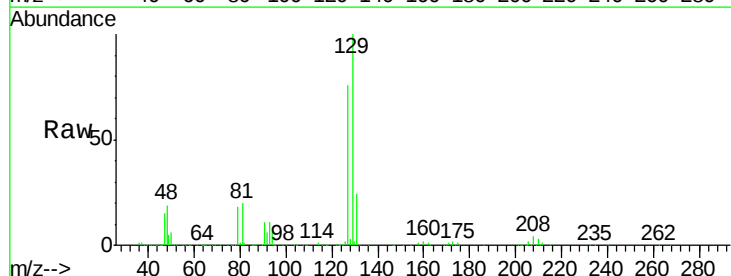
Manual Integrations
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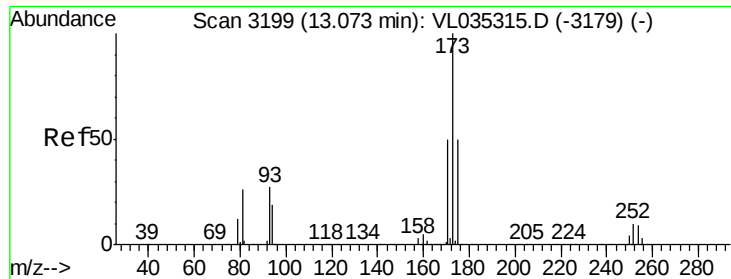
apatel
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#48
 Dibromochloromethane
 Concen: 15.785 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. 0.01 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	79.0	39.0	117.0	





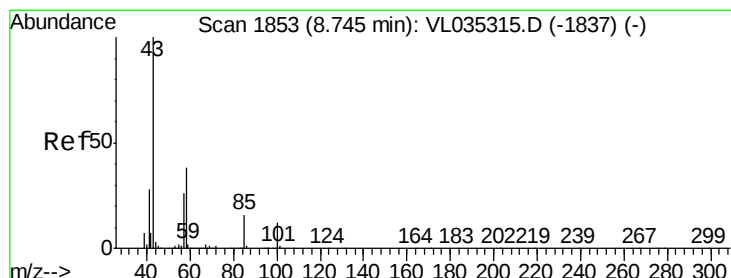
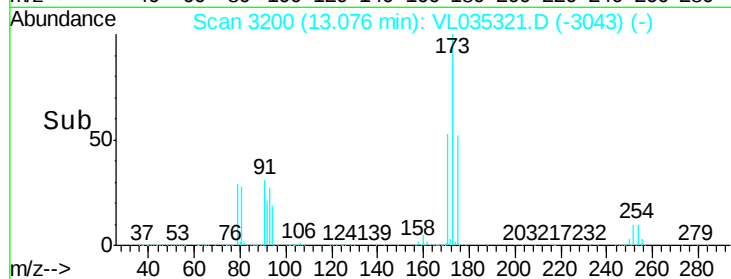
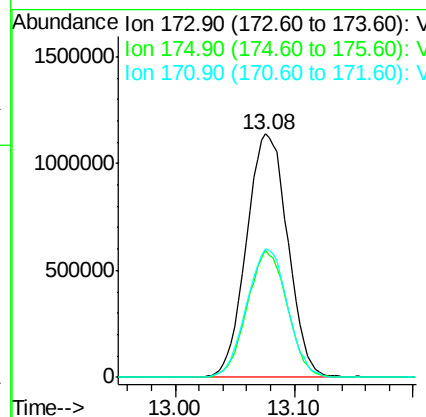
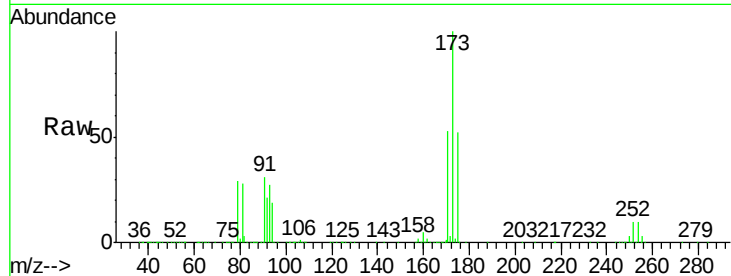
#49
Bromoform
Concen: 16.173 ppbv
RT: 13.08 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:173 Resp: 2731692
Ion Ratio Lower Upper
173 100
175 50.5 39.8 59.6
171 52.3 42.0 63.0

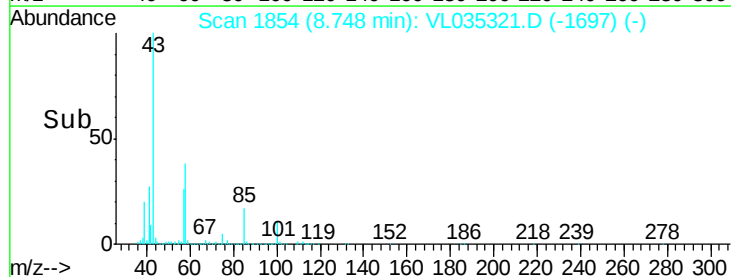
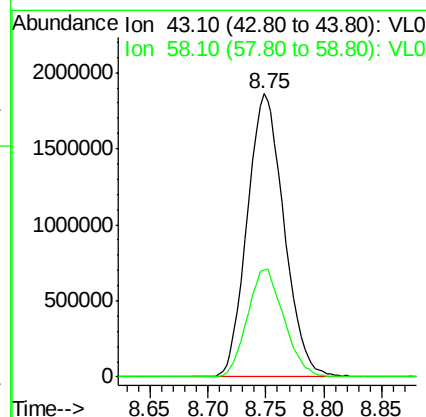
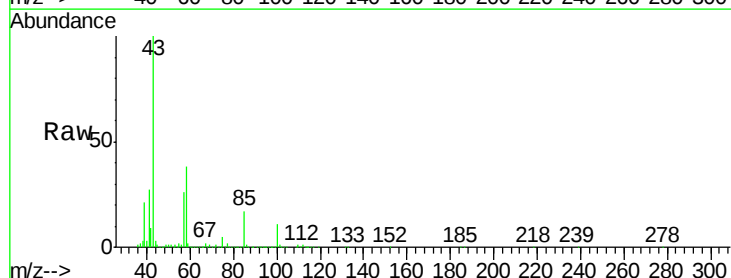
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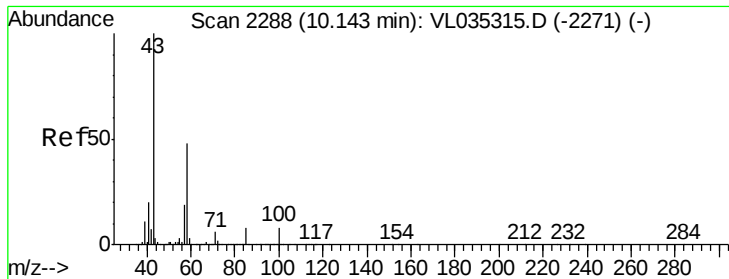
apatel
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#50
4-Methyl-2-Pentanone
Concen: 15.304 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Tgt Ion: 43 Resp: 4109778
Ion Ratio Lower Upper
43 100
58 37.9 29.8 44.6





#51

2-Hexanone

Concen: 16.579 ppbv

RT: 10.15 min Scan# 2290

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 3376432

Ion Ratio Lower Upper

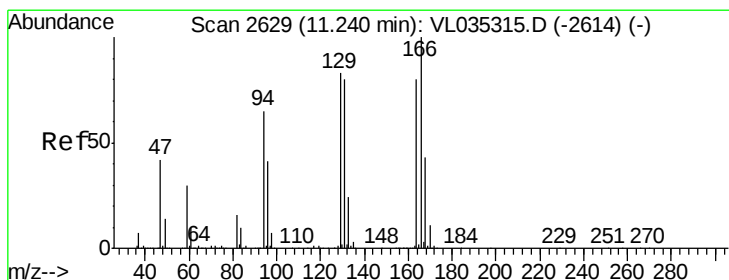
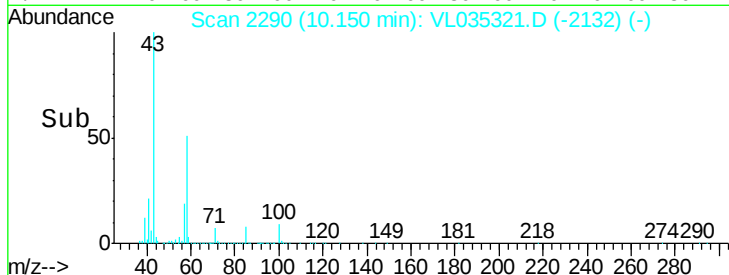
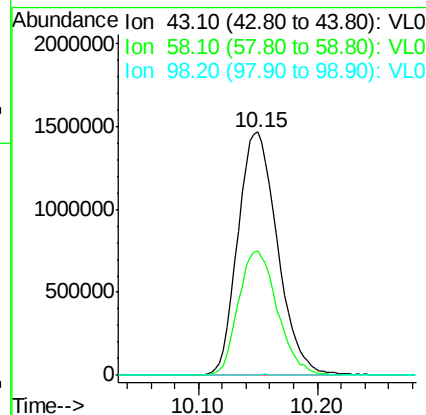
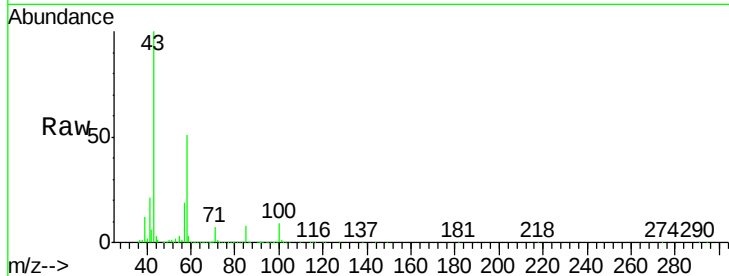
43 100

58 50.6 39.8 59.6

98 0.5 0.3 0.5#

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#52

Tetrachloroethene

Concen: 15.301 ppbv

RT: 11.25 min Scan# 2632

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Tgt Ion: 164 Resp: 1477680

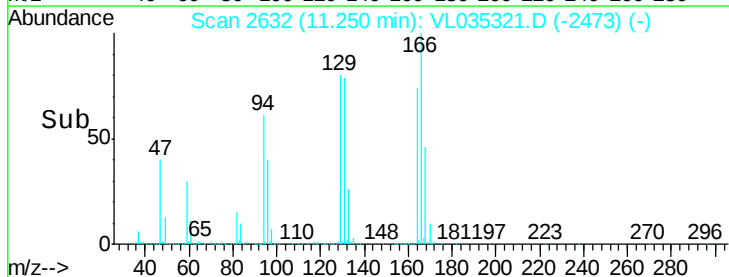
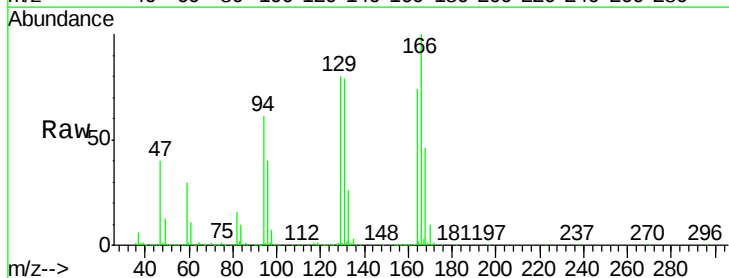
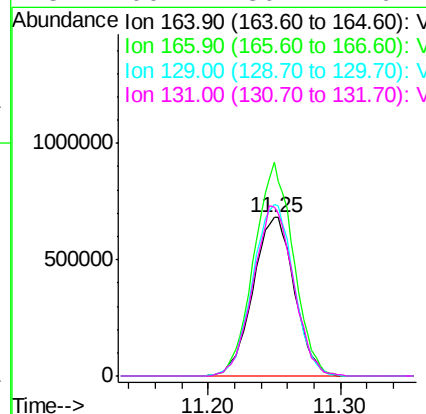
Ion Ratio Lower Upper

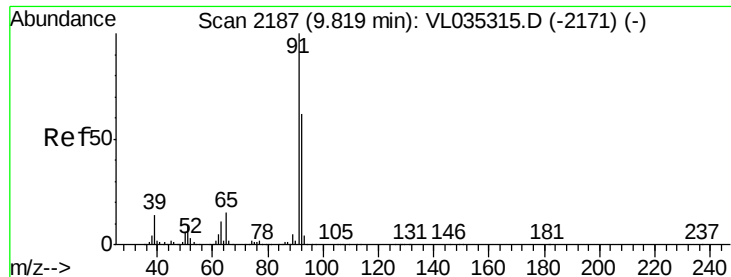
164 100

166 134.6 100.2 150.2

129 107.8 82.7 124.1

131 106.4 80.2 120.4





#53

Toluene

Concen: 16.941 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 4557165

Ion Ratio Lower Upper

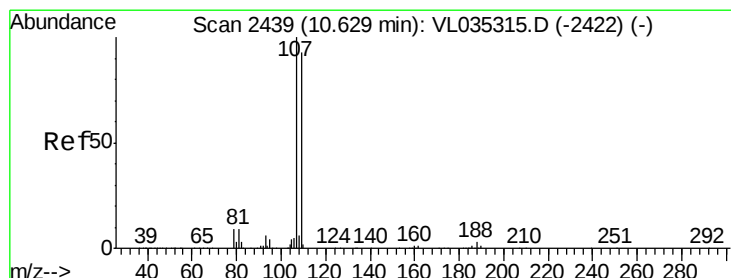
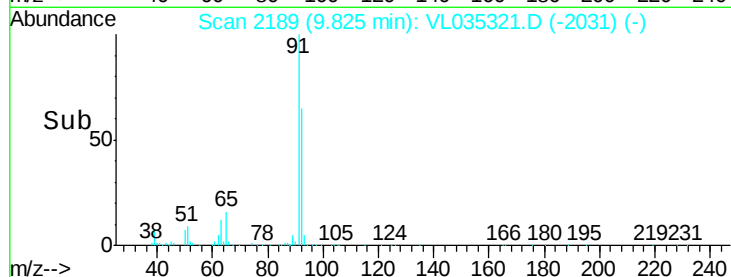
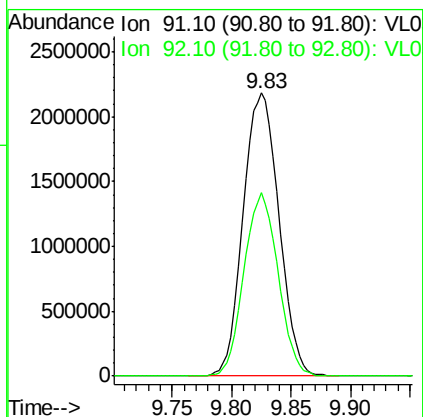
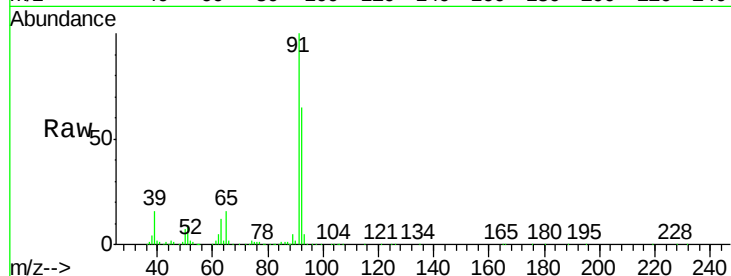
91 100

92 61.7 48.7 73.1

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#54

1,2-Dibromoethane

Concen: 15.309 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. 0.01 min

Lab File: VL035321.D

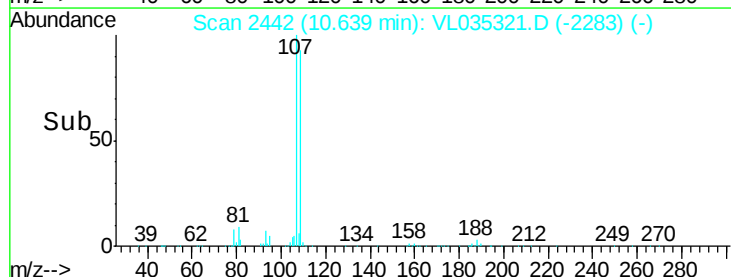
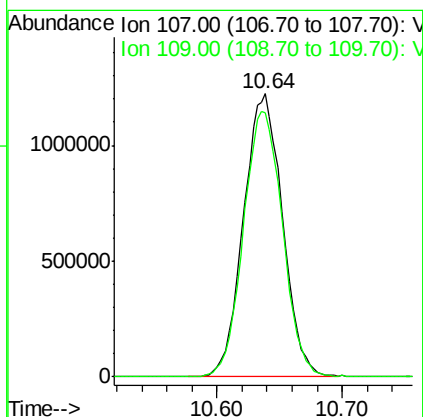
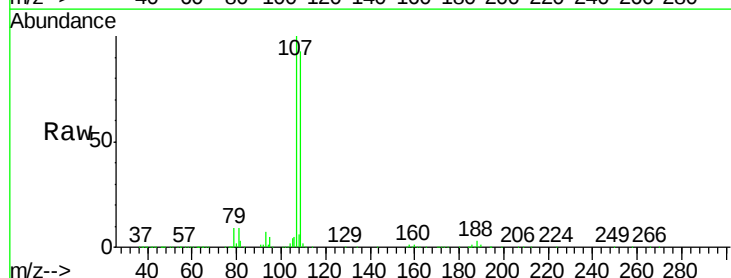
Acq: 3 Aug 2020 16:08

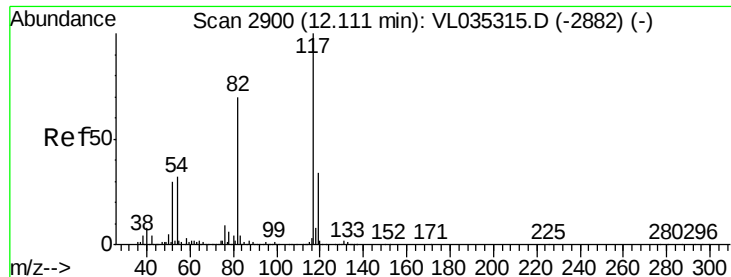
Tgt Ion: 107 Resp: 2640616

Ion Ratio Lower Upper

107 100

109 93.4 74.4 111.6





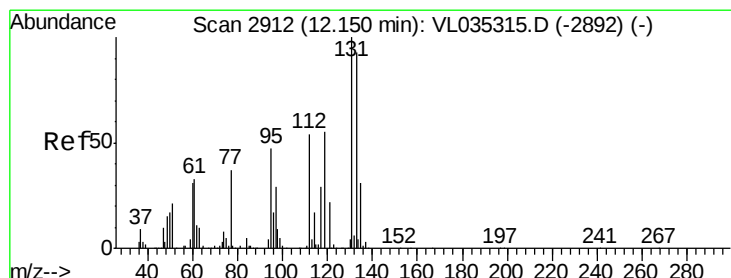
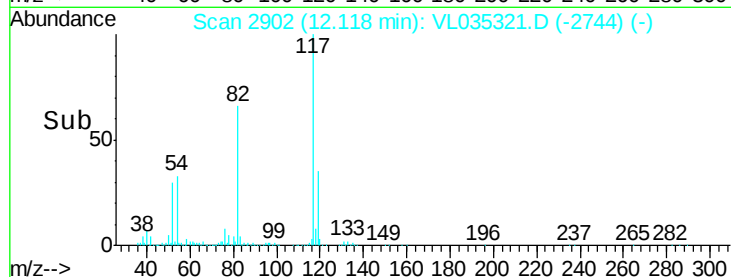
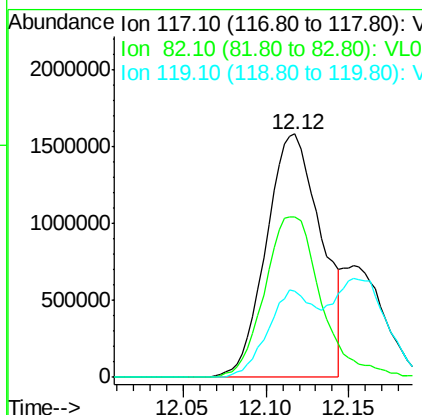
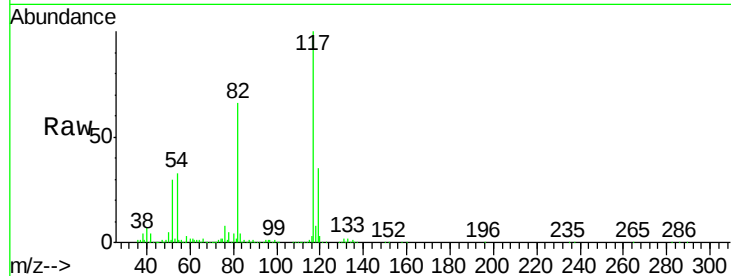
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.01 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.8	50.6	76.0
119	34.2	24.1	36.1

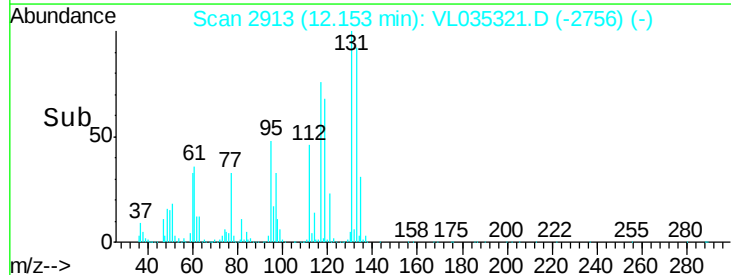
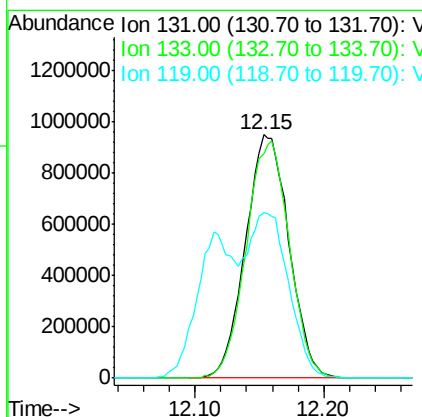
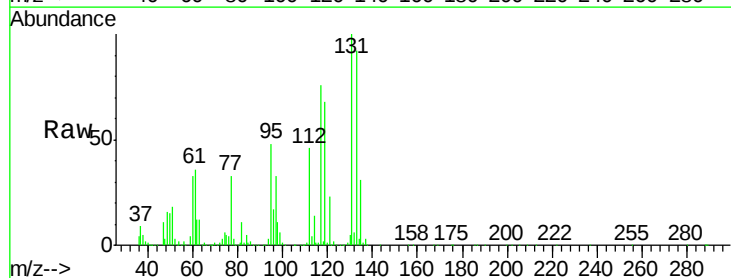
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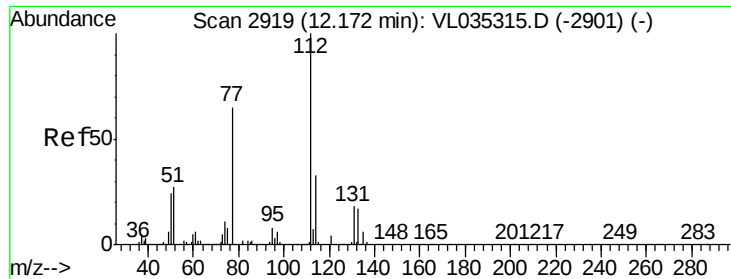
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#56
1,1,1,2-Tetrachloroethane
Concen: 13.333 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	75.5	113.3
119	61.7	53.1	79.7





#57

Chlorobenzene

Concen: 13.395 ppbv

RT: 12.18 min Scan# 2921

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:112 Resp: 3662337

Ion Ratio Lower Upper

112 100

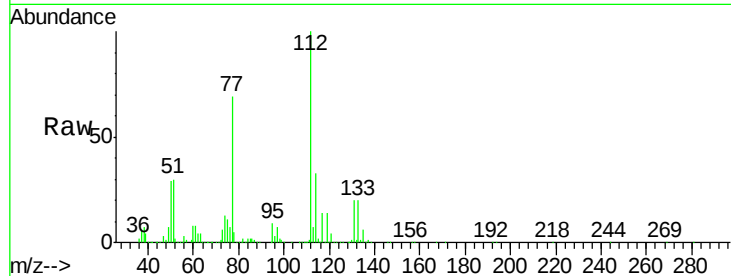
77 68.9 53.0 79.6

114 33.0 30.0 36.6

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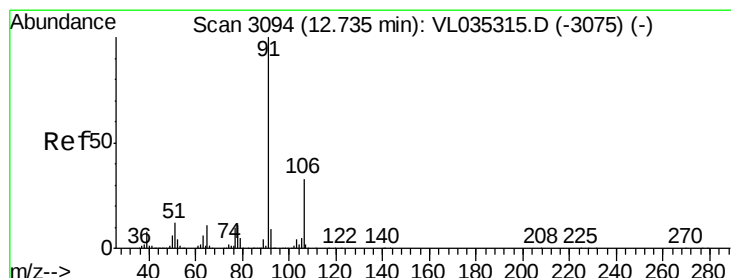
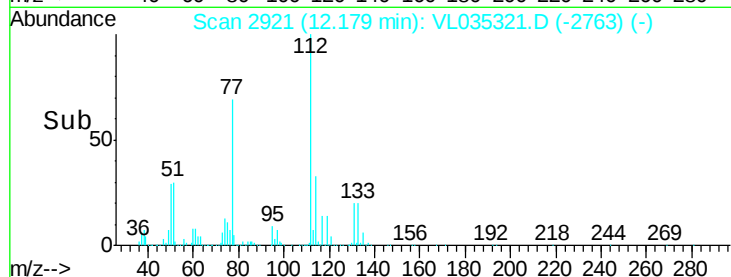
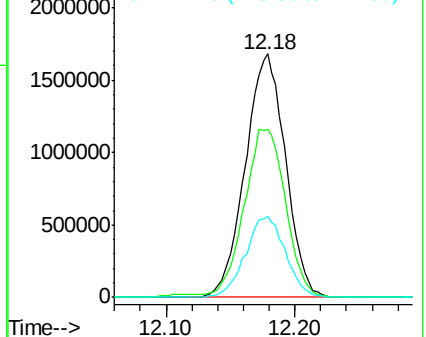
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 16.051 ppbv

RT: 12.74 min Scan# 3096

Delta R.T. 0.01 min

Lab File: VL035321.D

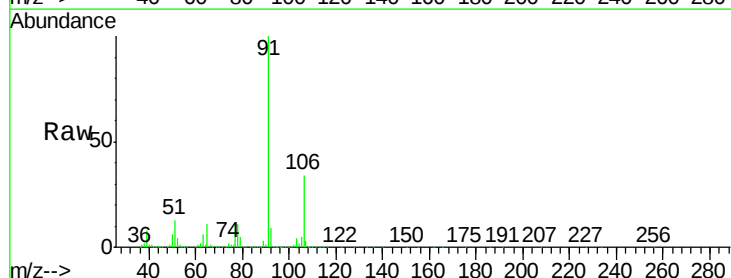
Acq: 3 Aug 2020 16:08

Tgt Ion: 91 Resp: 6176925

Ion Ratio Lower Upper

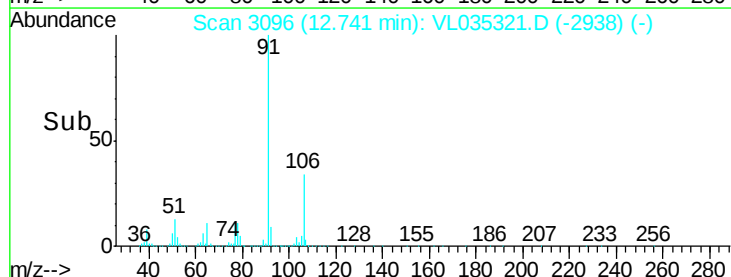
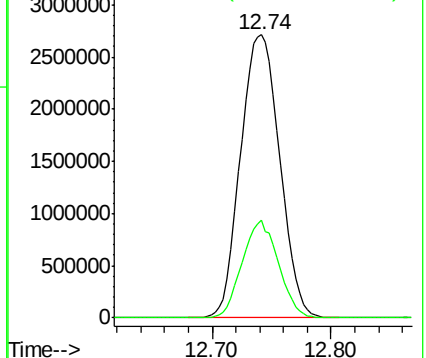
91 100

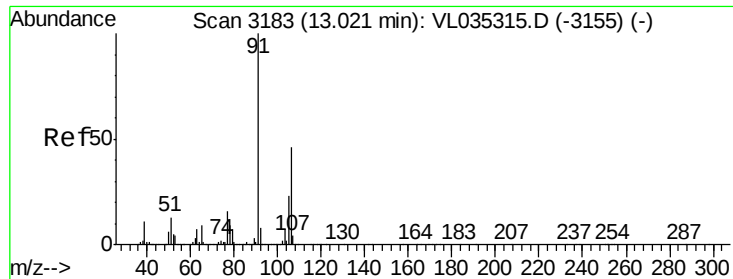
106 34.4 26.3 39.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





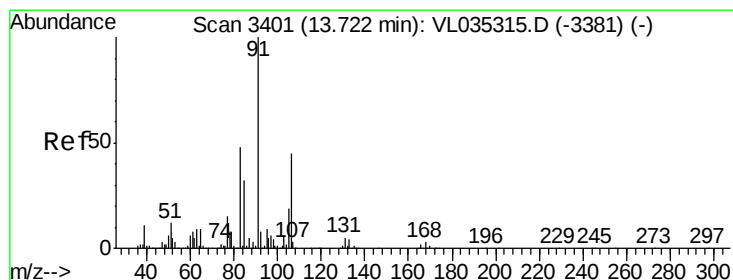
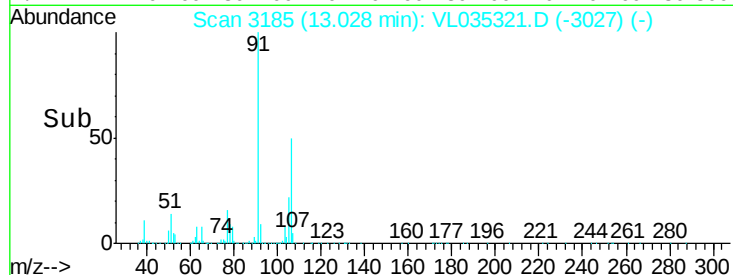
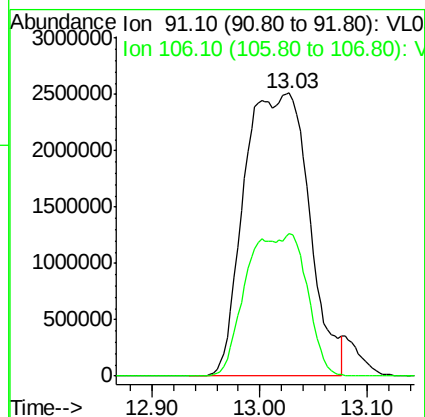
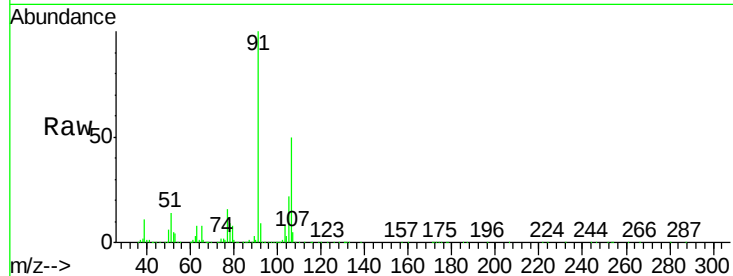
#59
m/p-Xylene
Concen: 29.296 ppbv m
RT: 13.03 min Scan# 3185
Delta R.T. 0.01 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 91 Resp: 10495388
Ion Ratio Lower Upper
91 100
106 46.9 36.6 55.0

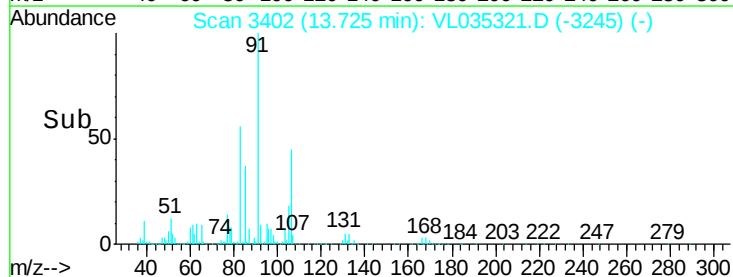
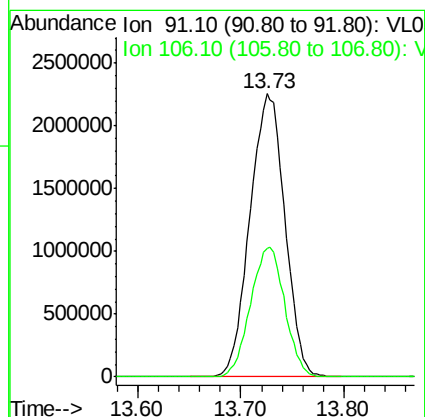
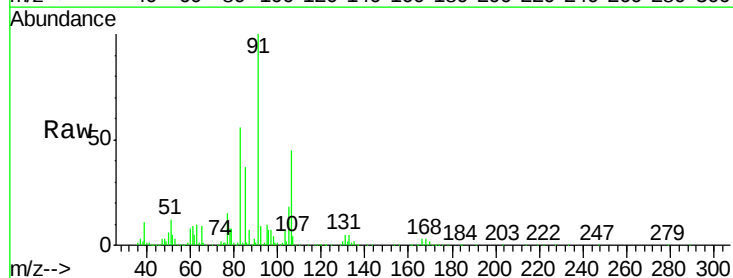
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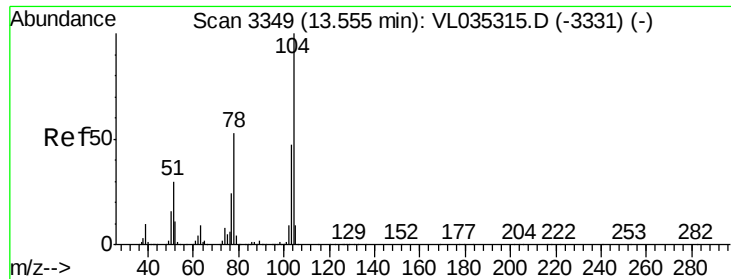
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#60
o-Xylene
Concen: 14.801 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. 0.00 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Tgt Ion: 91 Resp: 5290917
Ion Ratio Lower Upper
91 100
106 45.0 22.4 67.3





#61

Stvrene

Concen: 17.481 ppbv

RT: 13.56 min Scan# 3351

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

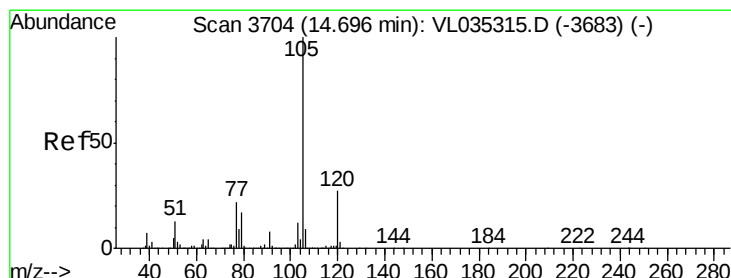
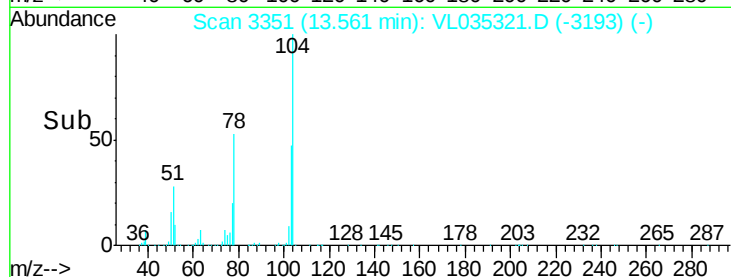
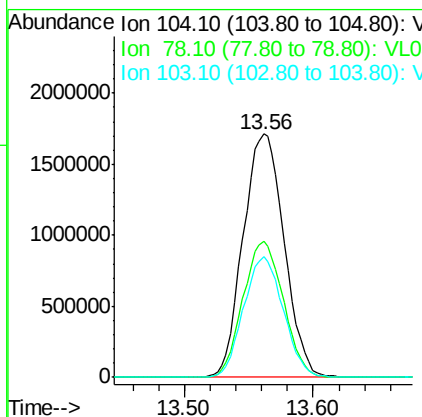
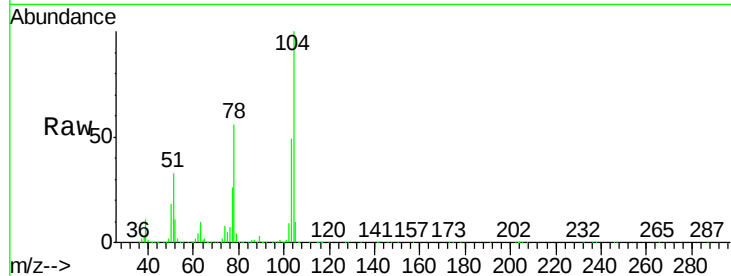
ClientSampleId :

VSTDIC015

Tot Ion:	104	Resp:	3792764
Ion	Ratio	Lower	Upper
104	100		
78	55.2	43.1	64.7
103	48.0	37.6	56.4

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#62

Isopropylbenzene

Concen: 14.286 ppbv

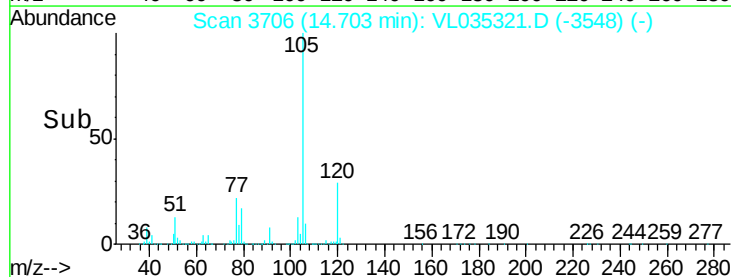
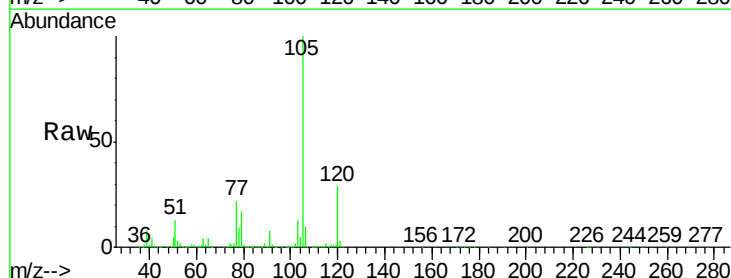
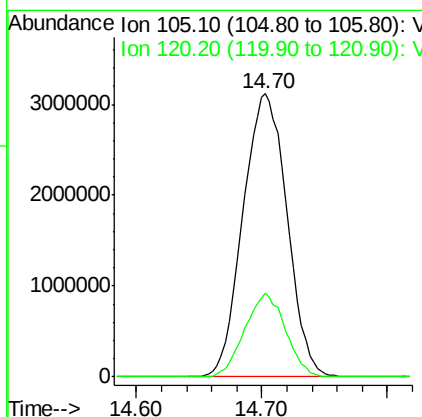
RT: 14.70 min Scan# 3706

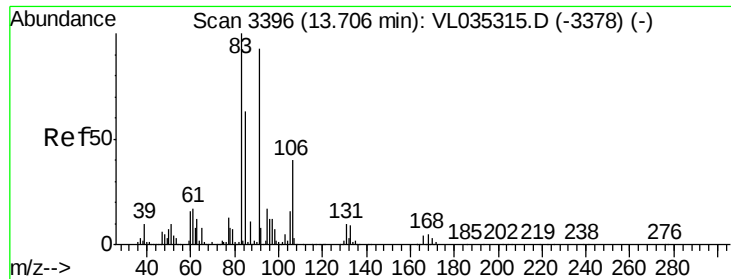
Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Tgt Ion:	105	Resp:	7600410
Ion	Ratio	Lower	Upper
105	100		
120	27.4	21.0	31.4





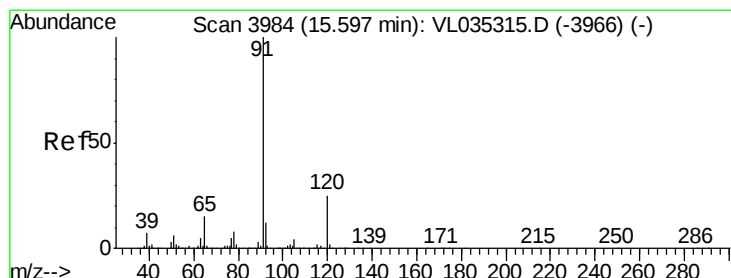
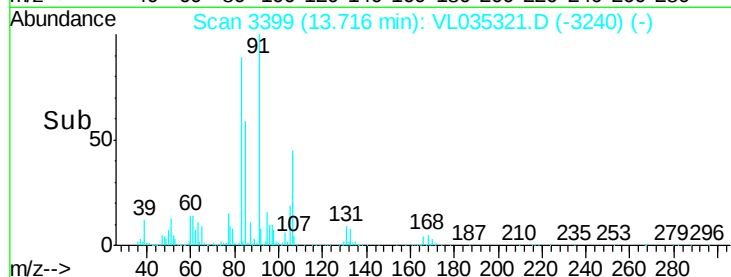
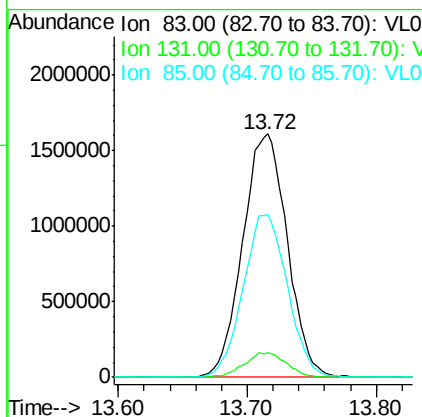
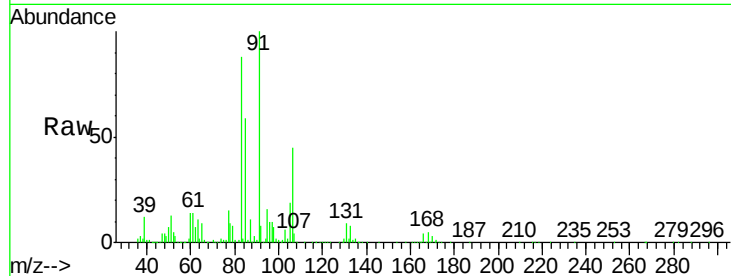
#63
 1,1,2,2-Tetrachloroethane
 Concen: 12.581 ppbv
 RT: 13.72 min Scan# 3399
 Delta R.T. 0.01 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	83	Resp	3869530
Ion Ratio	100	Lower	Upper
83	100		
131	9.7	4.6	13.8
85	66.6	32.6	97.7

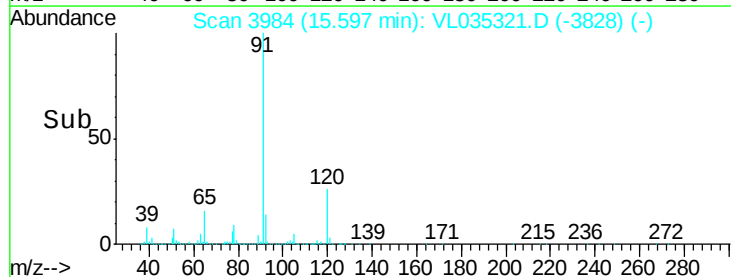
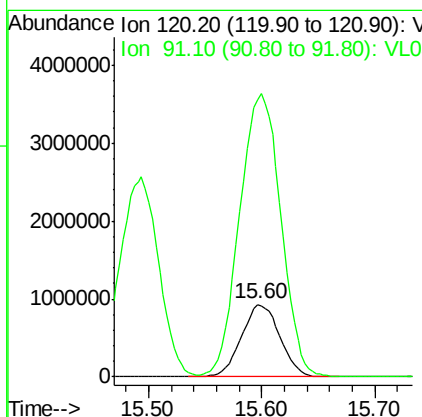
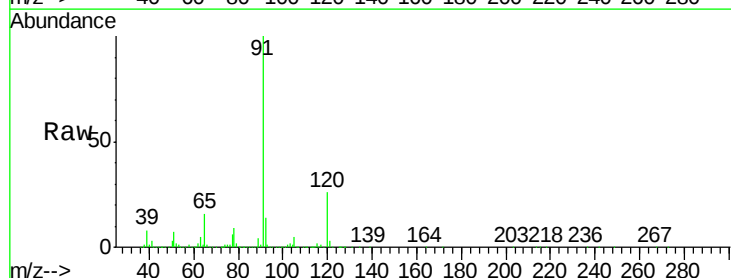
Manual Integrations
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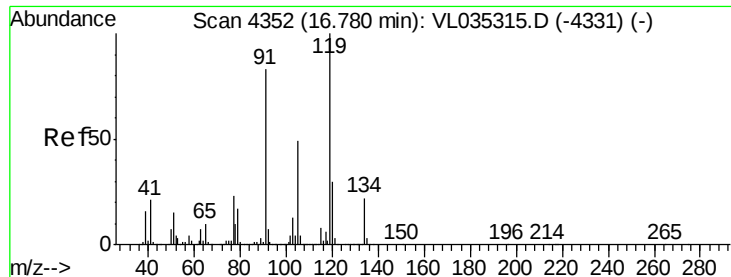
apatel
 8/6/2020 2:44:59 PM



#64
 n-propylbenzene
 Concen: 15.456 ppbv
 RT: 15.60 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Tgt Ion	120	Resp	2186325
Ion Ratio	100	Lower	Upper
120	100		
91	422.0	359.3	538.9





#65

tert-Butylbenzene

Concen: 14.384 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:119 Resp: 6932749

Ion Ratio Lower Upper

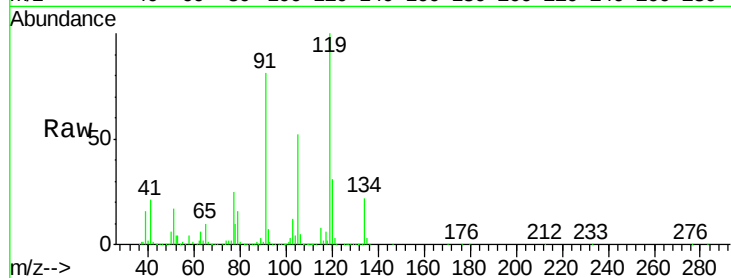
119 100

91 84.8 67.8 101.8

134 20.9 16.1 24.1

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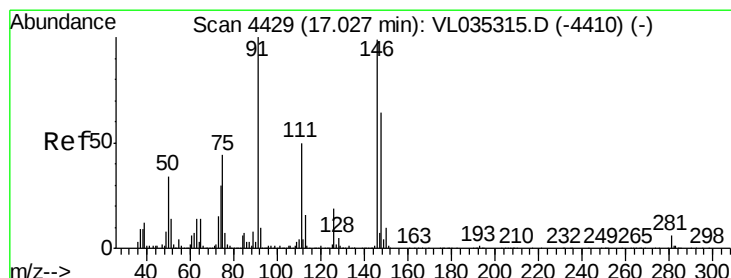
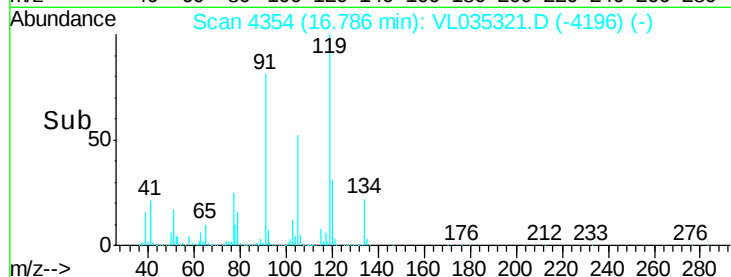
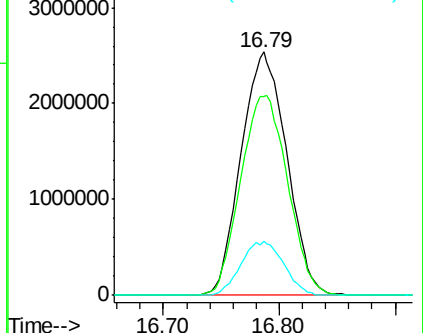
apatel
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 16.583 ppbv

RT: 17.03 min Scan# 4431

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

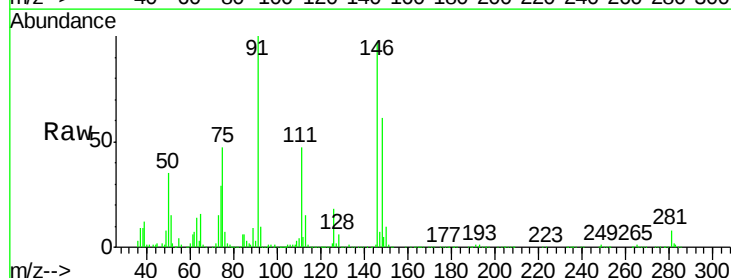
Tgt Ion: 91 Resp: 3130465

Ion Ratio Lower Upper

91 100

126 17.2 13.8 20.8

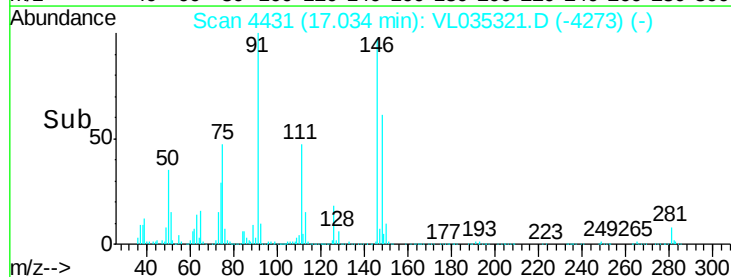
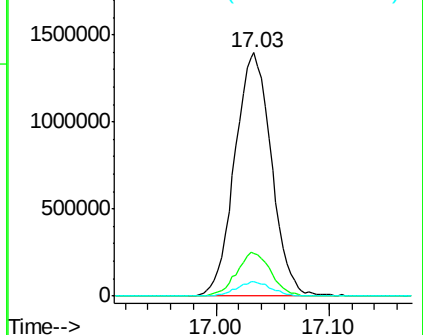
128 5.6 4.2 6.4

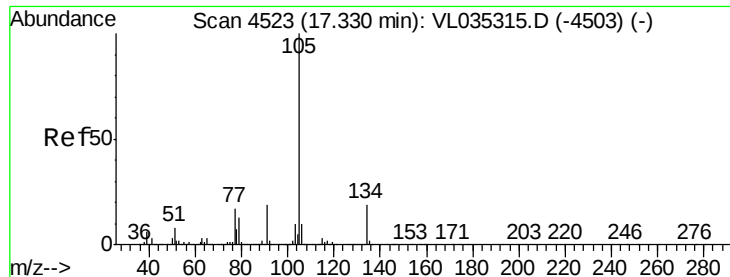


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 13.426 ppbv

RT: 17.34 min Scan# 4525

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 105 Resp: 9454810

Ion Ratio Lower Upper

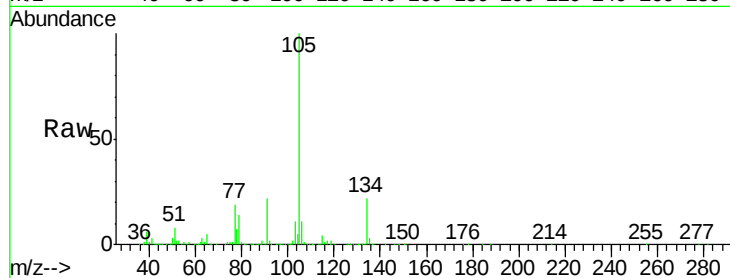
105 100

134 20.1 15.1 22.7

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.34

4000000

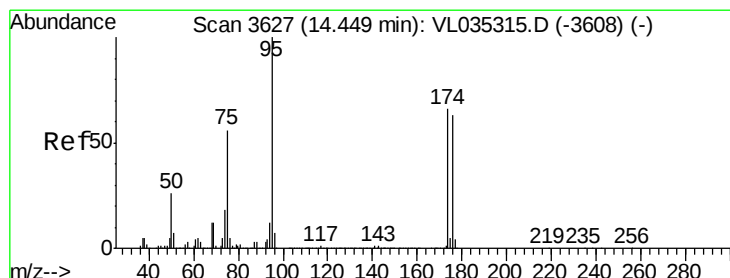
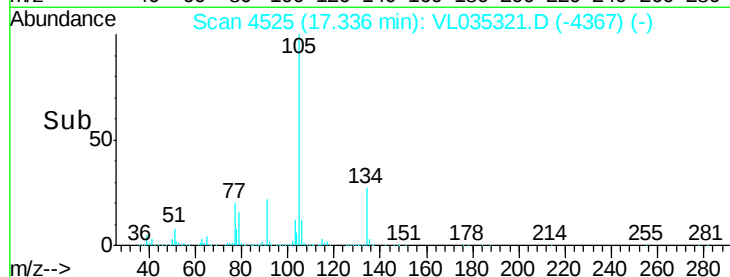
3000000

2000000

1000000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.562 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

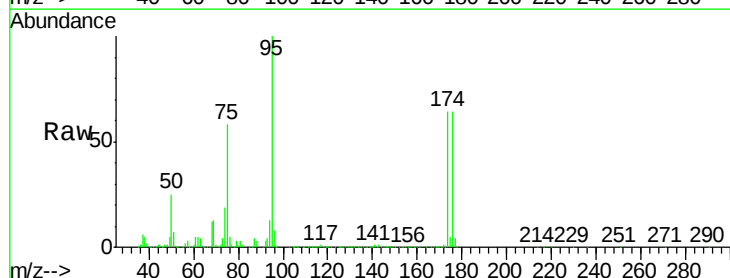
Tgt Ion: 95 Resp: 3066762

Ion Ratio Lower Upper

95 100

174 65.9 52.5 78.7

175 5.1 3.9 5.9



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

14.45

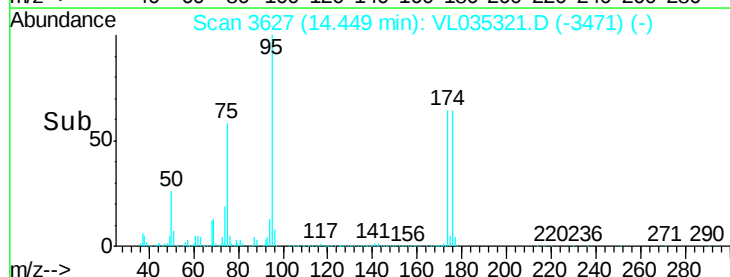
1500000

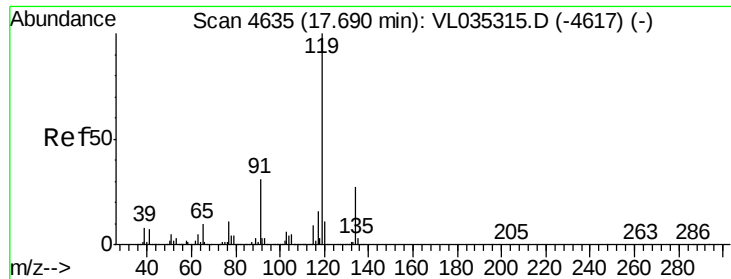
1000000

500000

0

Time-->





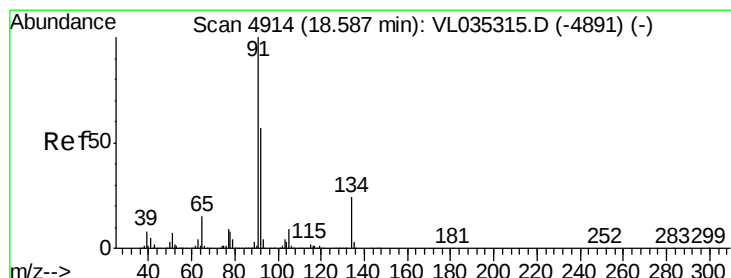
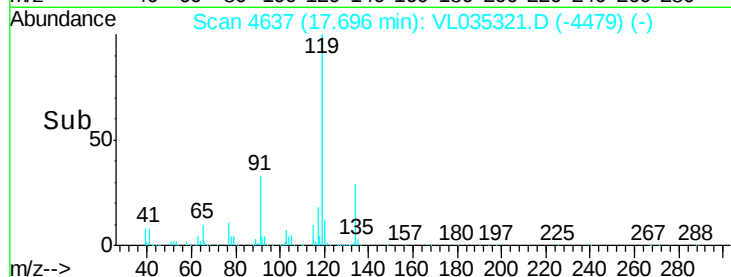
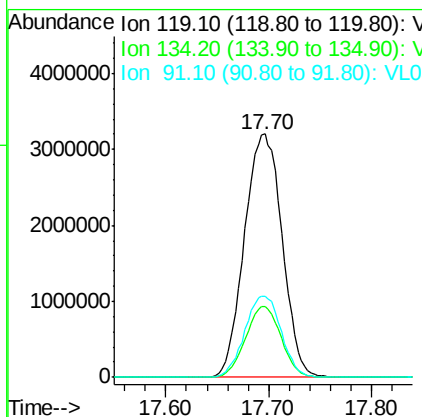
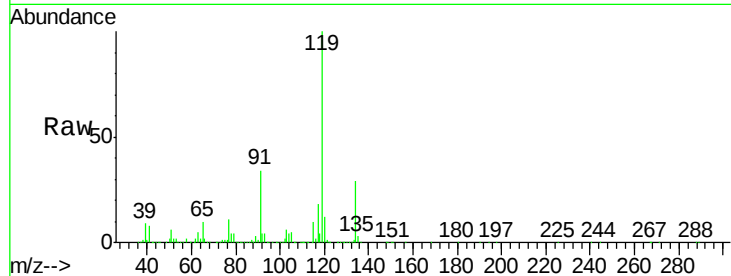
#69
 p-Isopropyltoluene
 Concen: 14.159 ppbv
 RT: 17.70 min Scan# 4637
 Delta R.T. 0.01 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.5	21.2	31.8
91	32.4	25.3	37.9

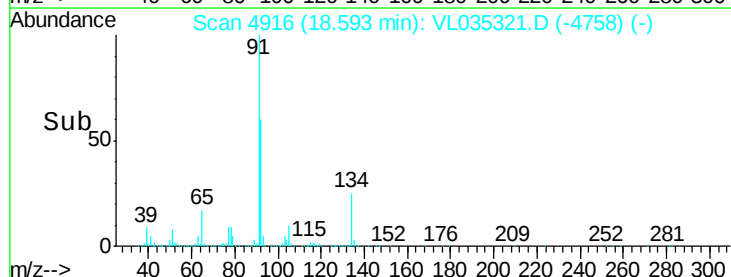
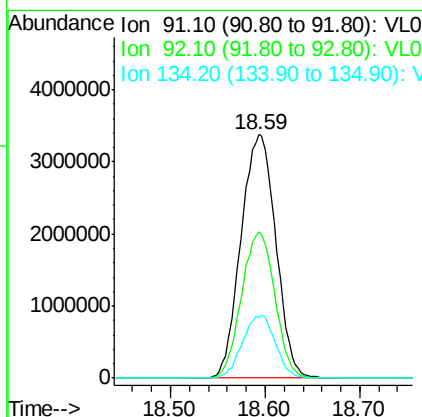
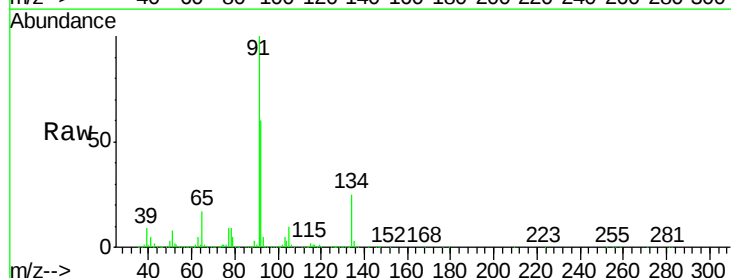
Manual Integrations
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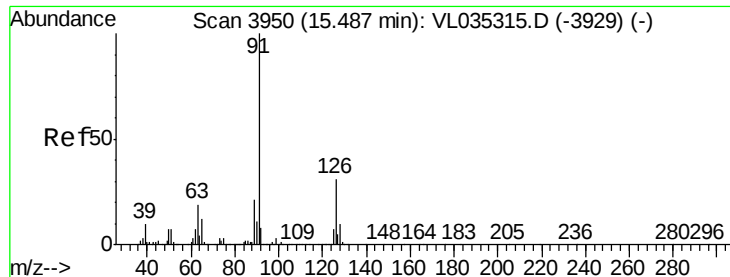
apatel
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#70
 n-Butylbenzene
 Concen: 13.918 ppbv
 RT: 18.59 min Scan# 4916
 Delta R.T. 0.01 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.4	44.6	66.8
134	24.3	18.6	27.8





#71

2-Chlorotoluene

Concen: 15.009 ppbv

RT: 15.49 min Scan# 3952

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 6021130

Ion Ratio Lower Upper

91 100

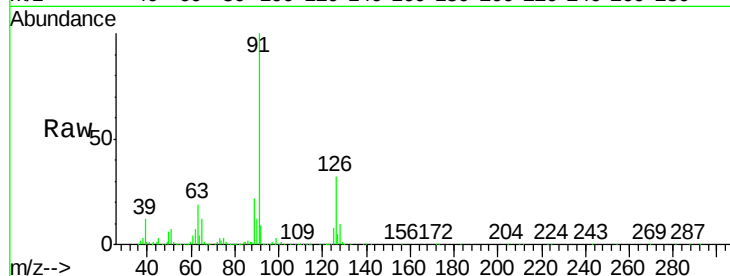
126 31.7 12.3 49.3

Manual Integrations

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

4000000

3000000

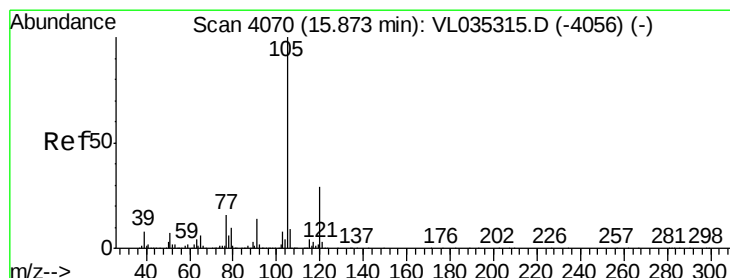
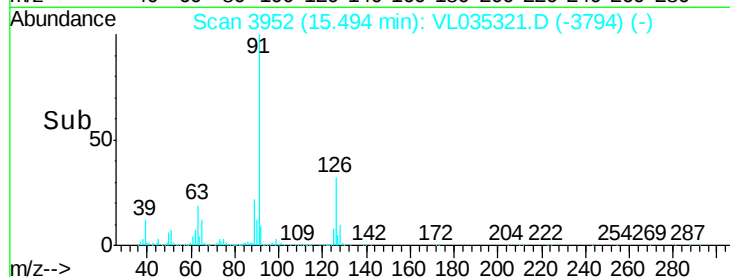
2000000

1000000

0

15.40 15.45 15.50 15.55

Time-->



#72

4-Ethyltoluene

Concen: 15.575 ppbv

RT: 15.88 min Scan# 4072

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Tgt Ion:105 Resp: 6266241

Ion Ratio Lower Upper

105 100

120 31.2 23.6 35.4

91 13.9 11.3 16.9

77 15.4 11.8 17.6

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

4000000

3000000

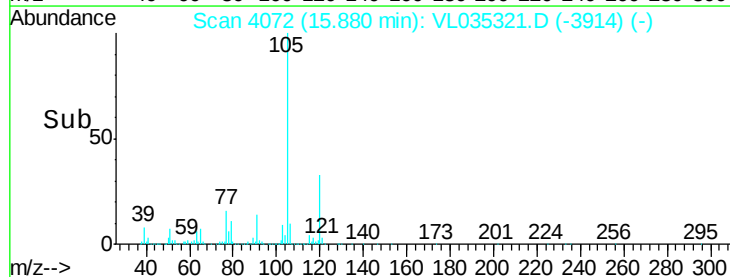
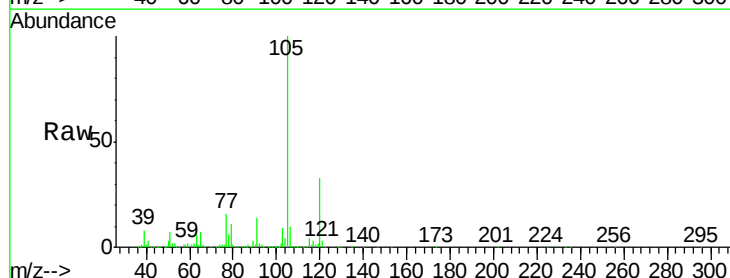
2000000

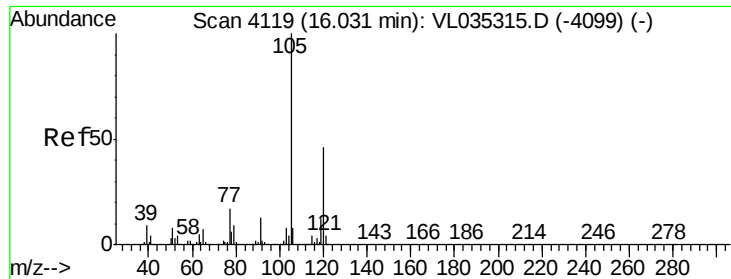
1000000

0

15.80 15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 15.143 ppbv

RT: 16.04 min Scan# 4121

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 5941660

Ion Ratio Lower Upper

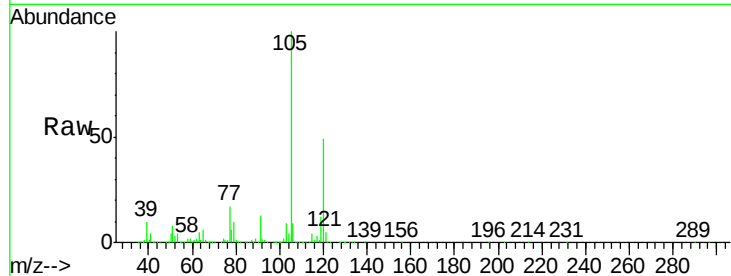
105 100

120 48.9 36.6 54.8

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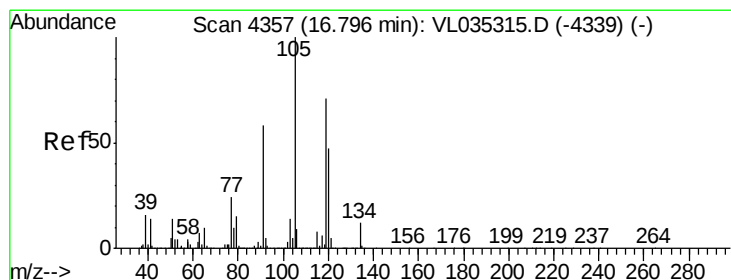
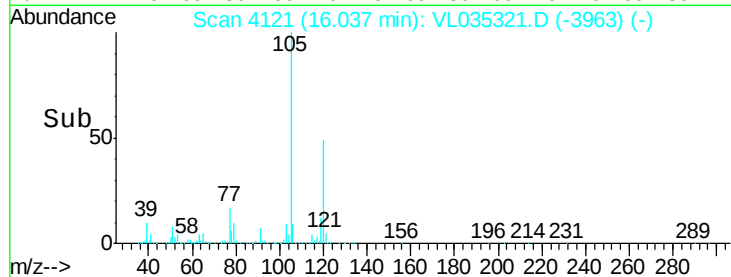
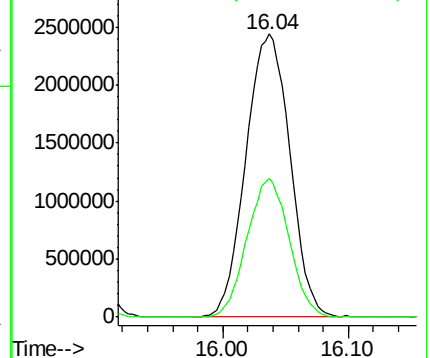
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 13.574 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Tgt Ion:105 Resp: 6199827

Ion Ratio Lower Upper

105 100

120 50.5 38.0 57.0

91 50.8 47.9 71.9

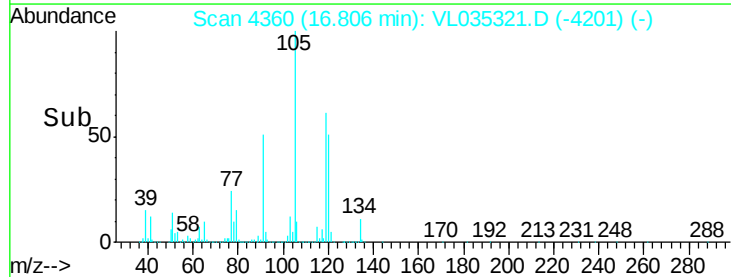
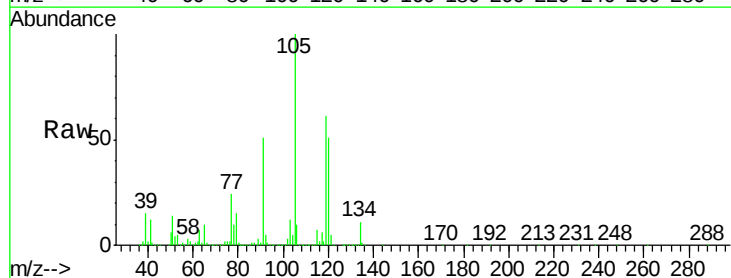
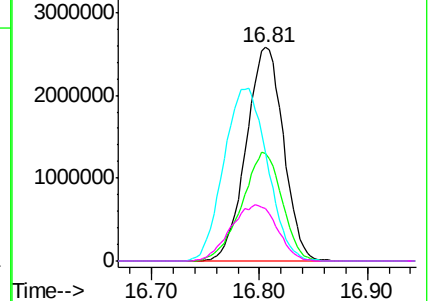
77 24.3 19.6 29.4

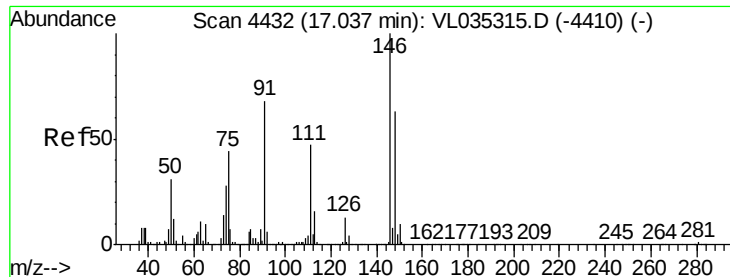
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 12.643 ppbv

RT: 17.04 min Scan# 4434

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:146 Resp: 3728547

Ion Ratio Lower Upper

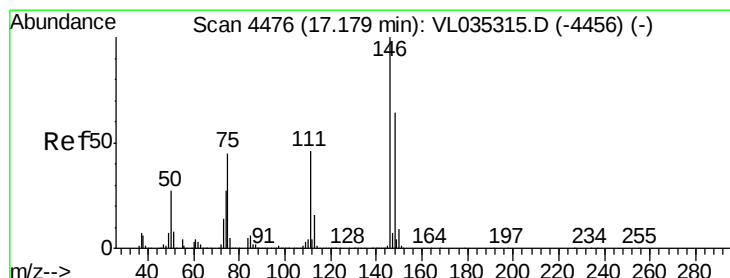
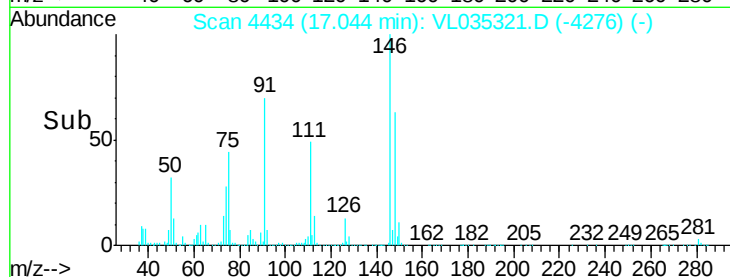
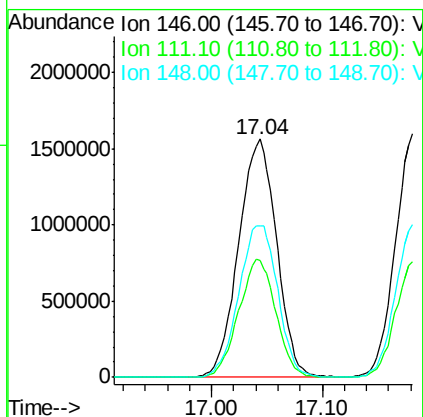
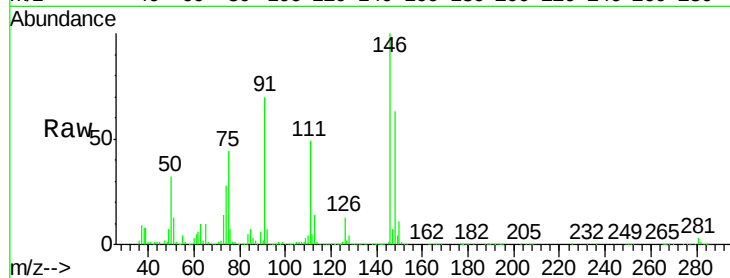
146 100

111 48.5 24.2 72.6

148 65.4 32.4 97.0

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 14.068 ppbv

RT: 17.18 min Scan# 4478

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

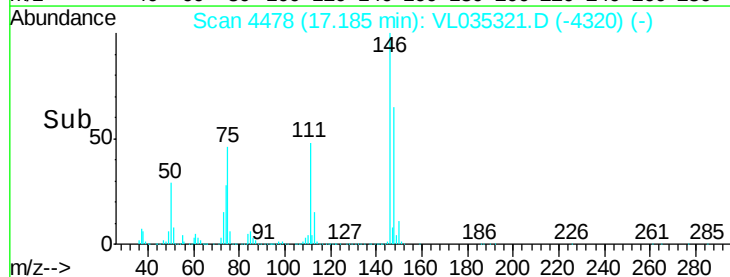
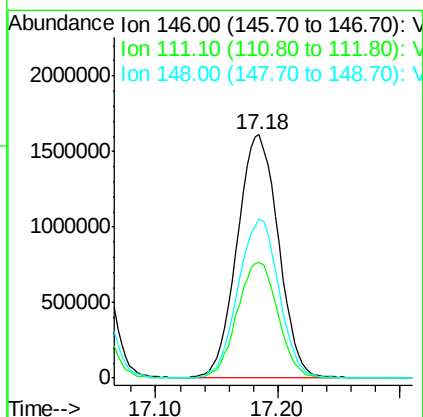
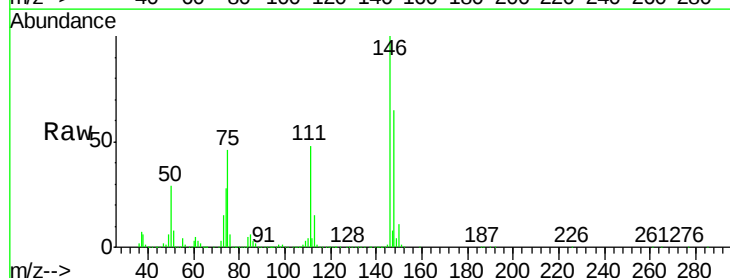
Tgt Ion:146 Resp: 3752770

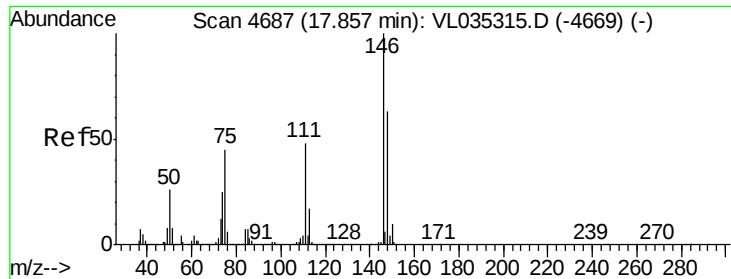
Ion Ratio Lower Upper

146 100

111 47.3 23.6 70.8

148 65.1 32.8 98.4





#77

1,2-Dichlorobenzene

Concen: 13.700 ppbv

RT: 17.86 min Scan# 4689

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

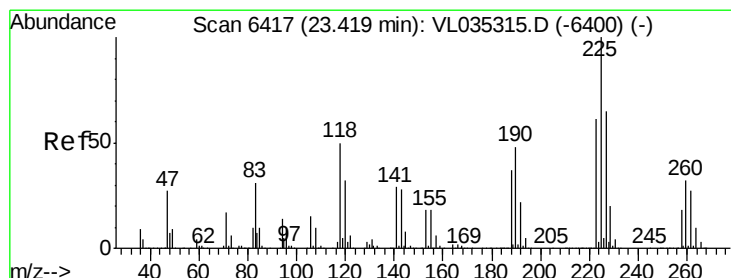
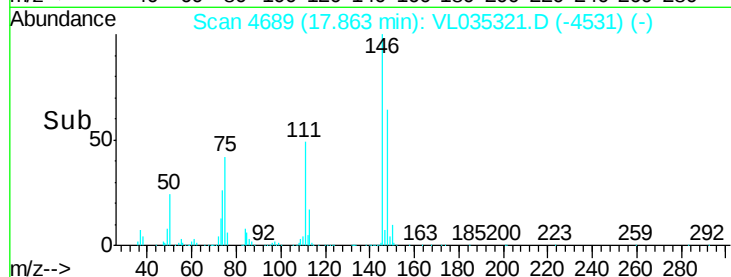
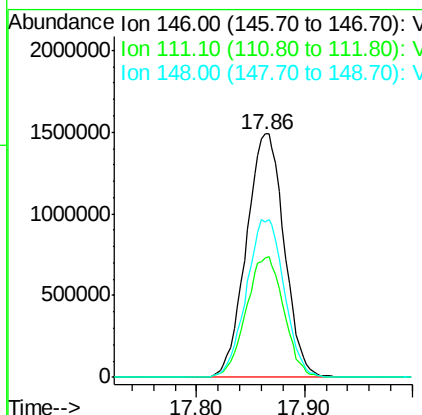
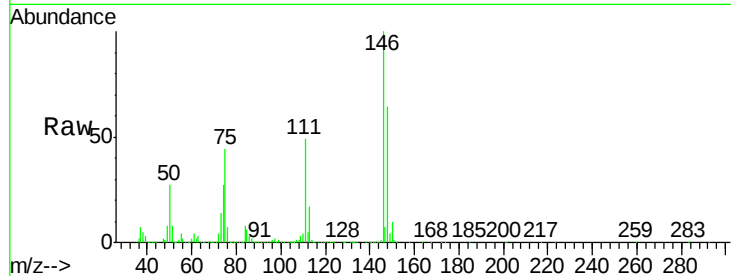
ClientSampleId :

VSTDIC015

Tot Ion:	146	Resp:	3618961
Ion	Ratio	Lower	Upper
146	100		
111	49.6	24.6	73.6
148	65.1	32.3	96.8

Manual Integrations
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apatel
8/6/2020 2:44:59 PM



#78

Hexachloro-1,3-Butadiene

Concen: 13.093 ppbv

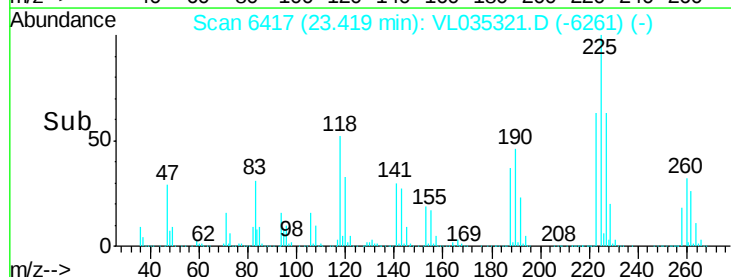
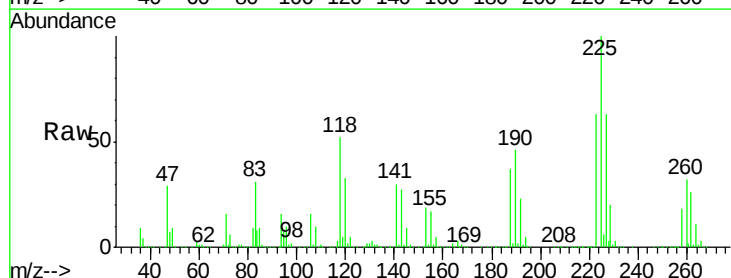
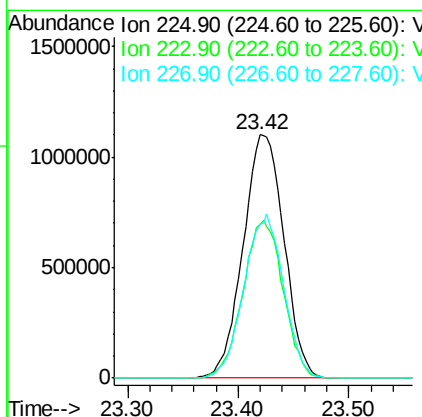
RT: 23.42 min Scan# 6417

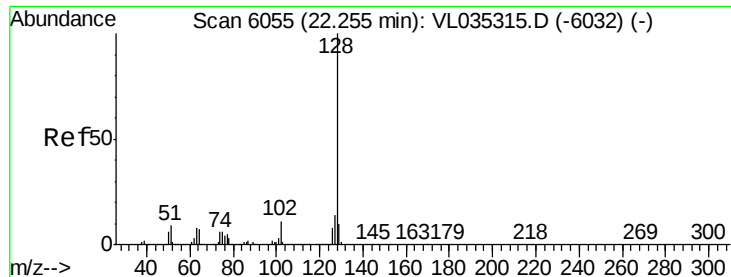
Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Tgt Ion:	225	Resp:	2831001
Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.2	75.4
227	65.2	52.7	79.1





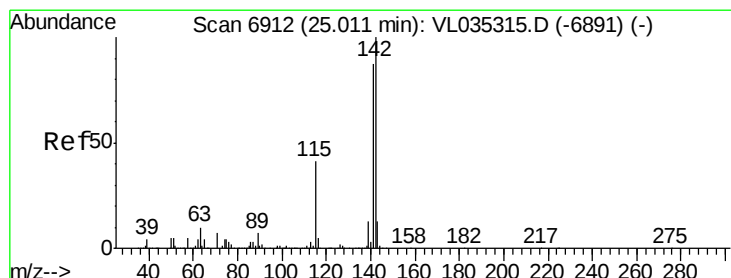
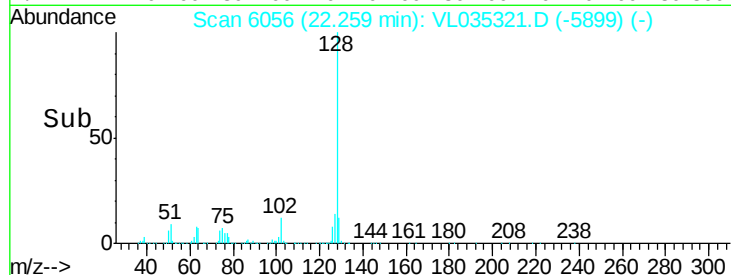
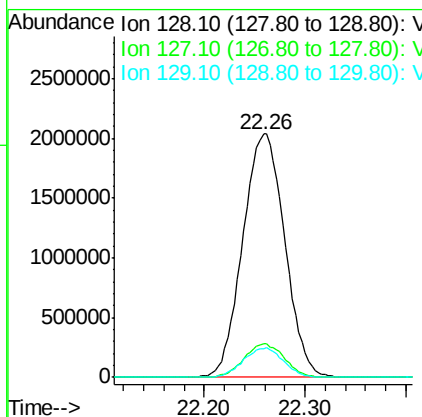
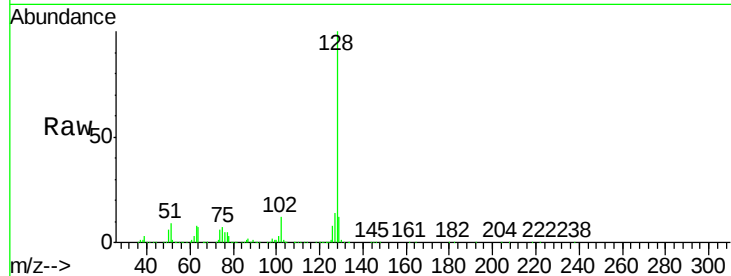
#79
Naphthalene
Concen: 16.169 ppbv
RT: 22.26 min Scan# 6056
Delta R.T. 0.00 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.8	16.2
129	11.5	8.4	12.6

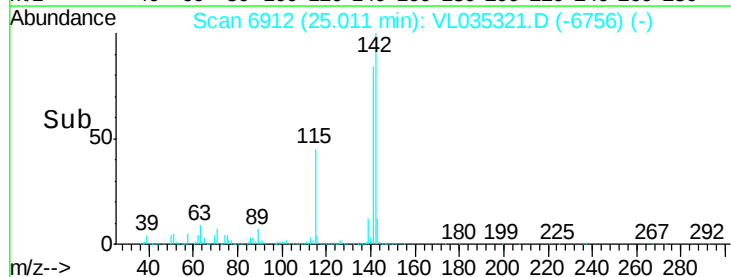
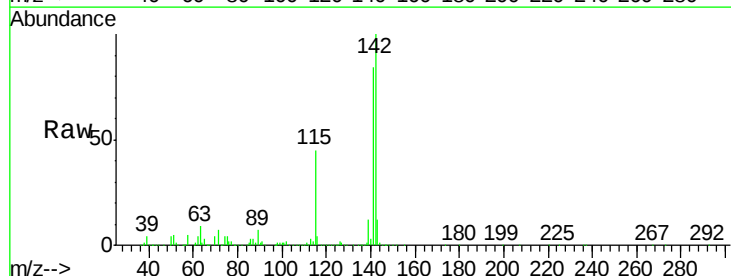
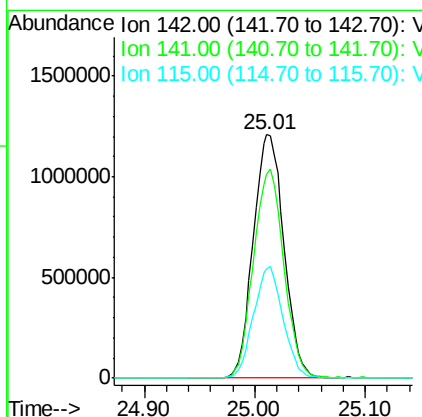
Manual Integrations
APPROVED

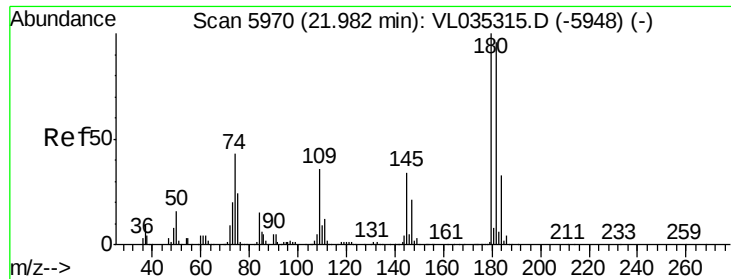
apatel
8/6/2020 2:44:59 PM



#80
Naphthalene, 2-methyl-
Concen: 19.827 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. 0.00 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.5	68.3	102.5
115	44.2	35.0	52.4





#81
 1,2,4-Trichlorobenzene
 Concen: 14.953 ppbv
 RT: 21.99 min Scan# 5972
 Delta R.T. 0.01 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.9	115.3
184	31.6	25.0	37.6

Manual Integrations
 APPROVED

apatel
 8/6/2020 2:44:59 PM

