

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080320\
 Data File : VL035322.D
 Acq On : 3 Aug 2020 17:42
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSV080320

Manual Integrations
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 8/6/2020 2:45:05 PM

Quant Time: Aug 04 06:01:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 04
 QLast Update : Tue Aug 04 05:31:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1590977	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3820828	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3894319	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3104498	9.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1628038	7.821	ppbv 96
3) Chlorodifluoromethane	2.94	51	1539601	8.420	ppbv 100
4) Chloromethane	3.09	50	892233	8.546	ppbv 99
5) Vinyl Chloride	3.21	62	914556	8.997	ppbv 98
6) Bromomethane	3.43	94	566356	8.470	ppbv 89
7) Chloroethane	3.51	64	345619	8.552	ppbv 94
8) Dichlorotetrafluoroethane	3.14	85	2047868	8.156	ppbv 100
9) Propene	2.96	41	644614	9.757	ppbv 97
10) Heptane	8.12	43	1653280	9.750	ppbv 98
11) Trichlorofluoromethane	3.91	101	2168502	7.976	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1529400	8.070	ppbv 98
13) Ethanol	3.56	45	161898	6.633	ppbv 99
14) Bromoethene	3.70	108	702700	9.004	ppbv 100
15) Acetone	3.81	43	1751024	7.611	ppbv 100
16) 1,3-Butadiene	3.28	39	800809	9.334	ppbv 100
17) tert-Butyl alcohol	4.26	59	1845884	8.809	ppbv 100
18) 1,1-Dichloroethene	4.26	96	719694	8.436	ppbv 94
19) Isopropyl Alcohol	3.93	45	1211851	8.386	ppbv 100
20) Methylene Chloride	4.31	84	640684	6.097	ppbv 94
21) Allyl Chloride	4.38	41	1169765	8.978	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	715092	8.449	ppbv 95
23) Vinyl Acetate	5.05	43	2255820	9.895	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1828857	8.622	ppbv 99
25) Ethyl Acetate	5.66	43	3108459	8.939	ppbv 100
26) Hexane	5.67	57	1373969	8.825	ppbv 99
27) Carbon Disulfide	4.52	76	1892791	9.035	ppbv 100
28) Methyl tert-Butyl Ether	5.01	73	2217787	9.479	ppbv 100
29) Chloroform	5.74	83	2217860	8.421	ppbv 100
30) Cyclohexane	7.13	84	1148437	9.833	ppbv 98
31) cis-1,2-Dichloroethene	5.53	61	1393889	9.704	ppbv 97
32) 1,1,1-Trichloroethane	6.51	97	2207738	8.669	ppbv 99
34) 2-Butanone	5.22	43	1934518	9.617	ppbv 100
35) Carbon Tetrachloride	7.01	117	2264553	9.165	ppbv 99
36) Benzene	6.89	78	2755785	9.837	ppbv 97
37) 1,2-Dichloroethane	6.30	62	1740088	9.170	ppbv 100
38) Trichloroethene	7.84	130	1117705	10.858	ppbv 95
39) 1,2-Dichloropropane	7.62	63	1058279	9.586	ppbv 96
40) 1,4-Dioxane	7.83	88	424602	8.856	ppbv 71
41) Tetrahydrofuran	6.03	42	1049430	10.576	ppbv 99
42) Bromodichloromethane	7.80	83	2364954	9.135	ppbv 98
43) Methyl Methacrylate	8.02	69	1249584	10.677	ppbv 99

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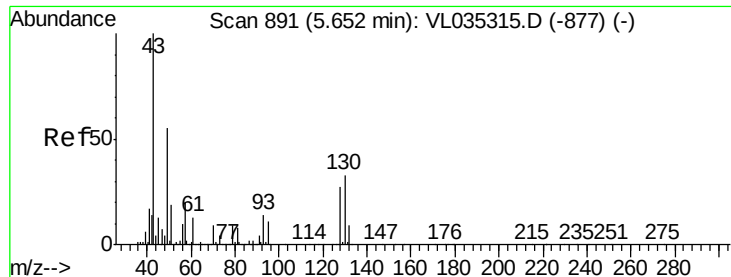
Manual Integrations
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Quant Time: Aug 04 06:01:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 04
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4634008	9.657	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1415573	11.331	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1655281	11.067	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1176866	9.185	ppbv	97
48) Dibromochloromethane	10.32	129	2013261	9.657	ppbv	98
49) Bromoform	13.07	173	1798589	9.905	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2811562	9.896	ppbv	99
51) 2-Hexanone	10.14	43	2309307	10.505	ppbv	99
52) Tetrachloroethene	11.25	164	1005397	10.188	ppbv	99
53) Toluene	9.82	91	3186940	10.819	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1807057	9.527	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	1531395	8.379	ppbv #	92
57) Chlorobenzene	12.17	112	2501588	8.393	ppbv	97
58) Ethyl Benzene	12.73	91	4308843	10.099	ppbv	98
59) m/p-Xylene	13.02	91	7196893m	18.280	ppbv	
60) o-Xylene	13.72	91	3606333	9.266	ppbv	98
61) Styrene	13.56	104	2542182	10.623	ppbv	99
62) Isopropylbenzene	14.70	105	5310002	9.044	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2629640	8.613	ppbv	100
64) n-propylbenzene	15.59	120	1428347	9.300	ppbv	99
65) tert-Butylbenzene	16.78	119	4807137	9.143	ppbv	100
66) Benzyl Chloride	17.03	91	1935921	9.524	ppbv	99
67) sec-Butylbenzene	17.33	105	6681497	8.988	ppbv	100
69) p-Isopropyltoluene	17.69	119	5553184	9.030	ppbv	100
70) n-Butylbenzene	18.59	91	5820936	8.798	ppbv	100
71) 2-Chlorotoluene	15.49	91	4112939	9.386	ppbv	100
72) 4-Ethyltoluene	15.87	105	4206874	9.580	ppbv	98
73) 1,3,5-Trimethylbenzene	16.03	105	4006876	9.314	ppbv	97
74) 1,2,4-Trimethylbenzene	16.80	105	4219988	8.556	ppbv #	91
75) 1,3-Dichlorobenzene	17.04	146	2434449	7.935	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	2425734	8.353	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	2372426	8.385	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1835975	7.992	ppbv	99
79) Naphthalene	22.26	128	3642424	9.331	ppbv	97
80) Naphthalene, 2-methyl-	25.01	142	1290473	11.258	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	2028426	8.541	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

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Tot Ion: 49 Resp: 1590977

Ion Ratio Lower Upper

49 100

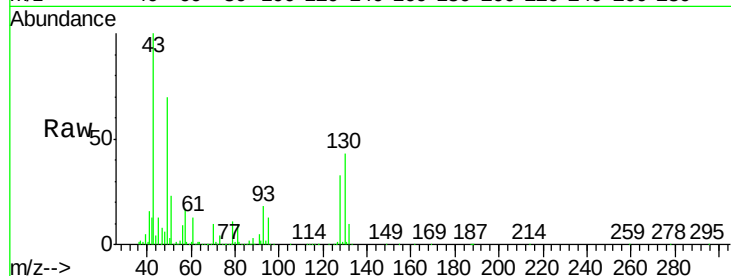
128 48.2 23.8 71.5

130 61.7 31.4 94.3

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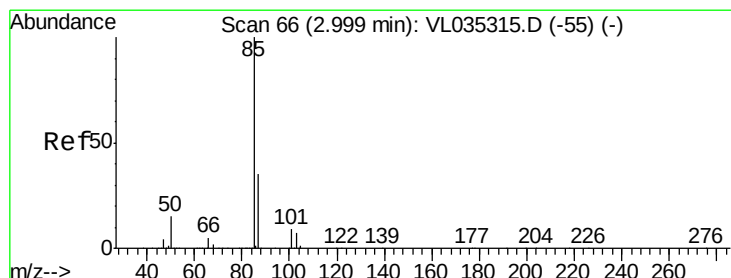
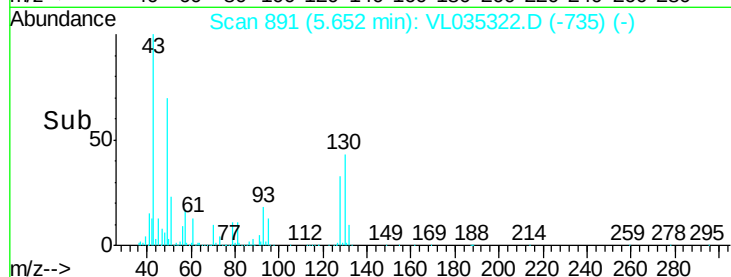
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.65

Time-->



#2

Dichlorodifluoromethane

Concen: 7.821 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.00 min

Lab File: VL035322.D

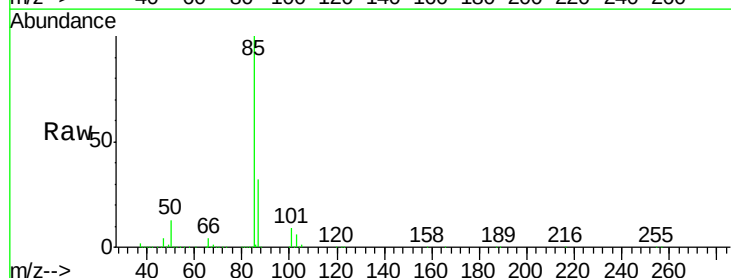
Acq: 3 Aug 2020 17:42

Tgt Ion: 85 Resp: 1628038

Ion Ratio Lower Upper

85 100

87 32.4 27.8 41.6

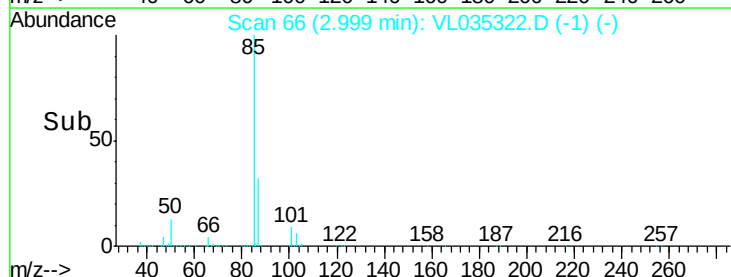


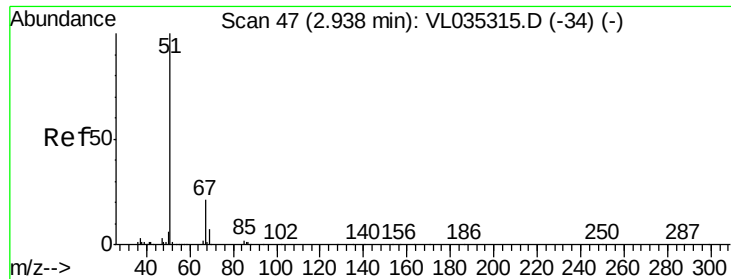
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.00

Time-->





#3

Chlorodifluoromethane

Concen: 8.420 ppbv

RT: 2.94 min Scan# 47

Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

Tot Ion: 51 Resp: 1539601

Ion Ratio Lower Upper

51 100

67 20.1 16.2 24.2

Instrument :

MSVOA_L

ClientSampleId :

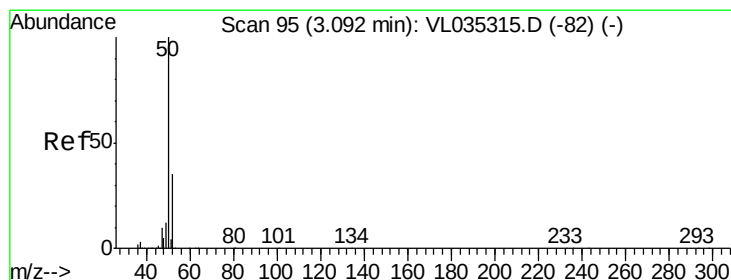
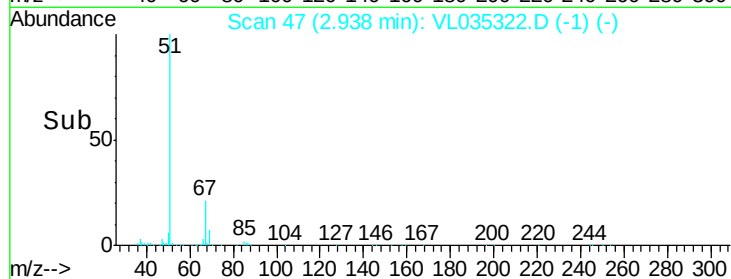
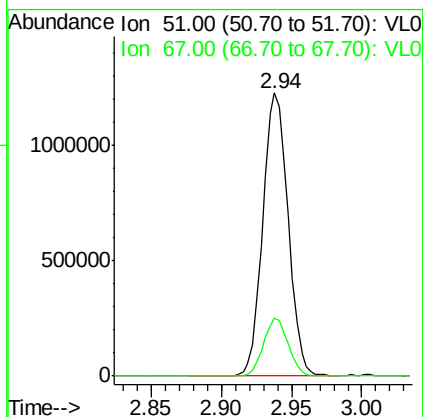
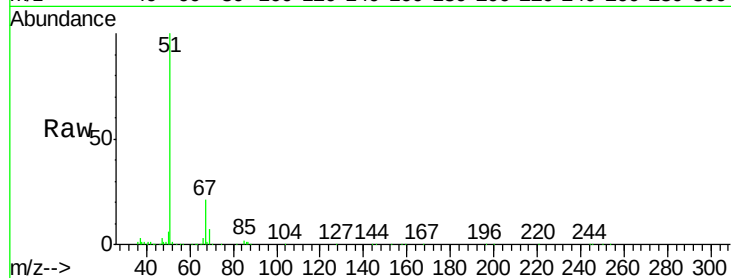
ICVVL080320

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#4

Chloromethane

Concen: 8.546 ppbv

RT: 3.09 min Scan# 95

Delta R.T. 0.00 min

Lab File: VL035322.D

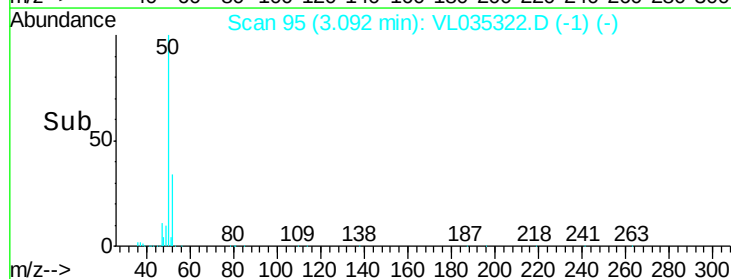
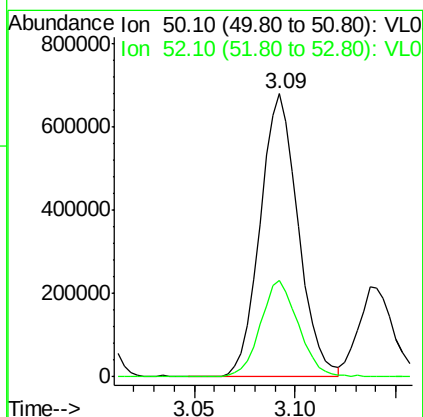
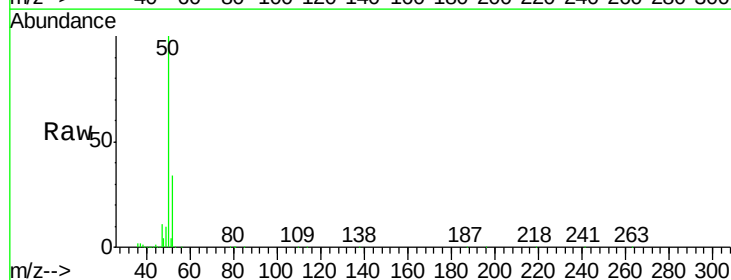
Acq: 3 Aug 2020 17:42

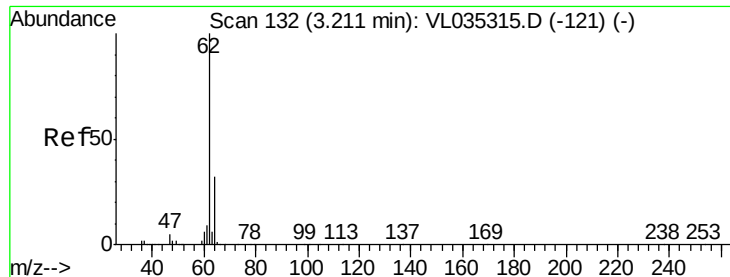
Tgt Ion: 50 Resp: 892233

Ion Ratio Lower Upper

50 100

52 34.0 27.8 41.8





#5

Vinyl Chloride

Concen: 8.997 ppbv

RT: 3.21 min Scan# 131

Delta R.T. -0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080320

Tot Ion: 62 Resp: 914556

Ion Ratio Lower Upper

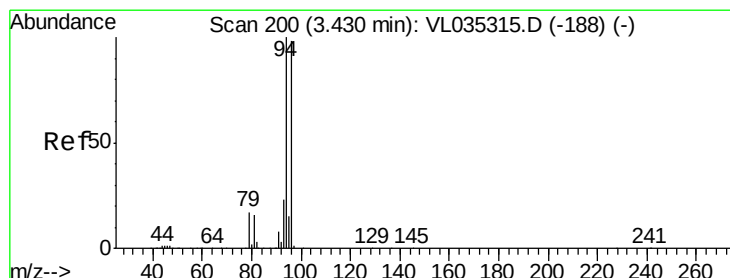
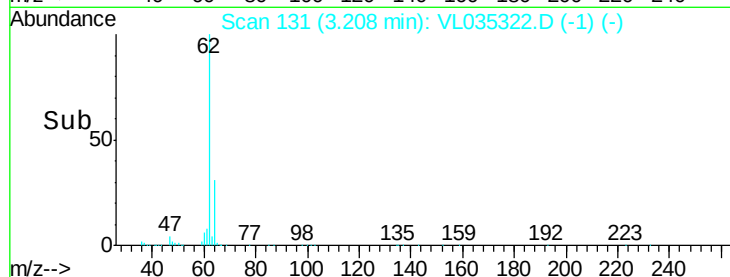
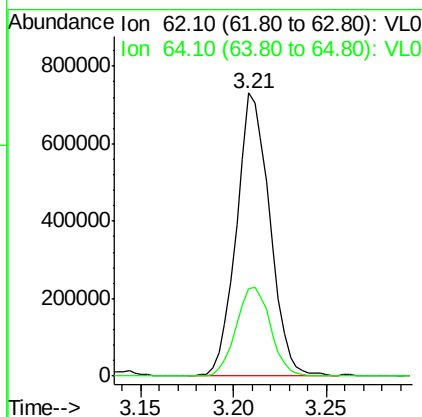
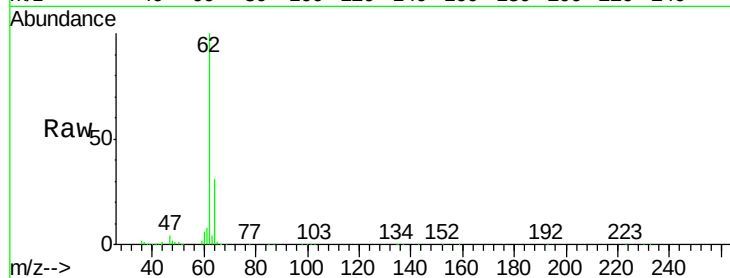
62 100

64 31.1 25.9 38.9

Manual Integrations
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#6

Bromomethane

Concen: 8.470 ppbv

RT: 3.43 min Scan# 200

Delta R.T. 0.00 min

Lab File: VL035322.D

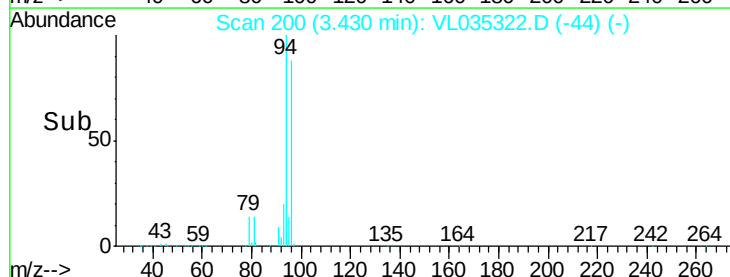
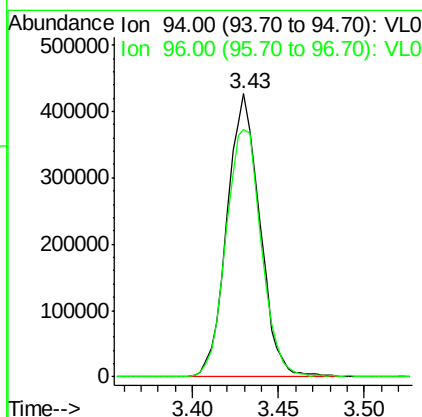
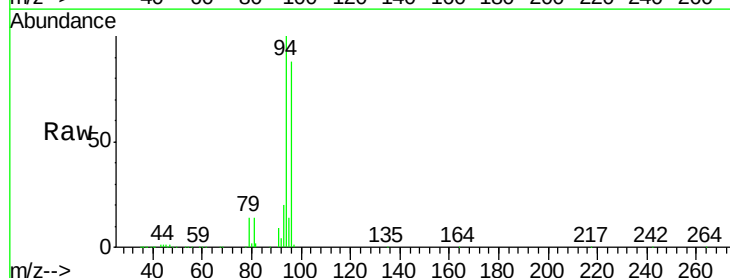
Acq: 3 Aug 2020 17:42

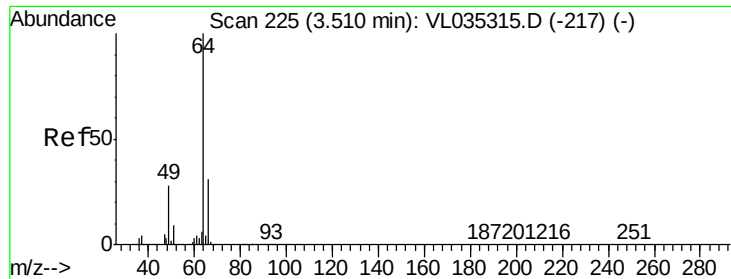
Tgt Ion: 94 Resp: 566356

Ion Ratio Lower Upper

94 100

96 87.6 78.6 117.8





#7

Chloroethane

Concen: 8.552 ppbv

RT: 3.51 min Scan# 226

Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080320

Tot Ion: 64 Resp: 345619

Ion Ratio Lower Upper

64 100

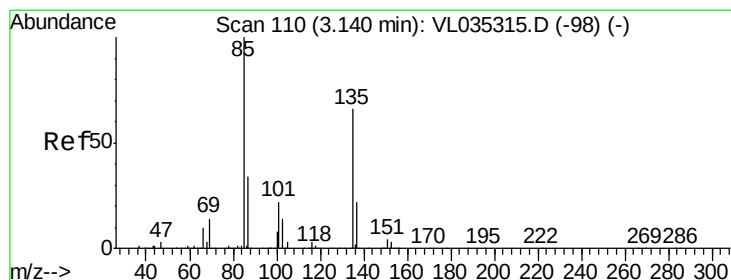
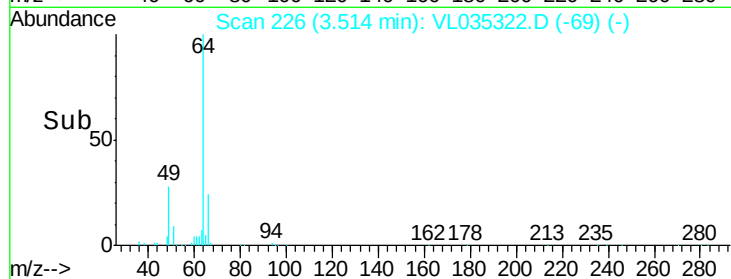
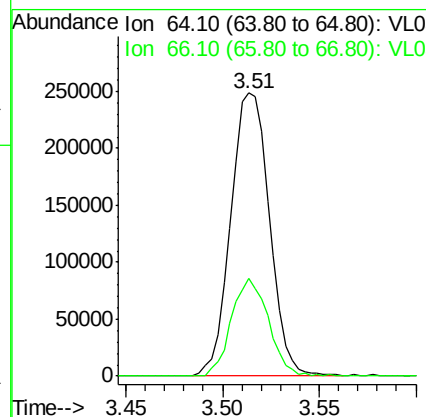
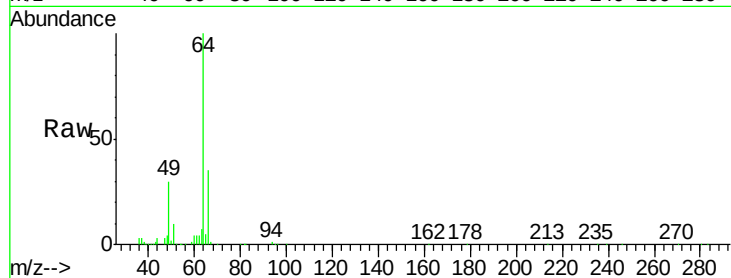
66 34.5 24.9 37.3

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#8

Dichlorotetrafluoroethane

Concen: 8.156 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL035322.D

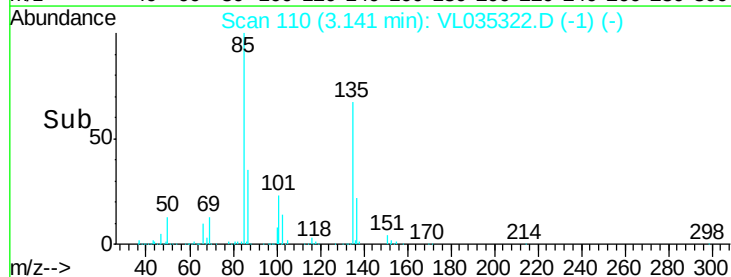
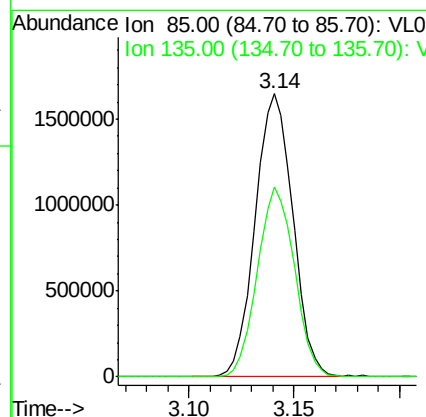
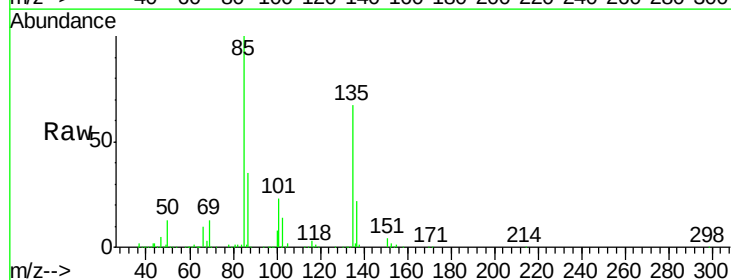
Acq: 3 Aug 2020 17:42

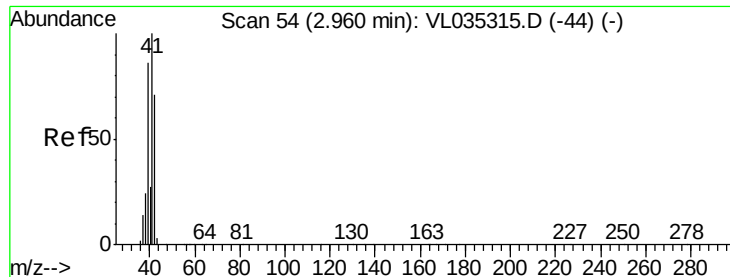
Tgt Ion: 85 Resp: 2047868

Ion Ratio Lower Upper

85 100

135 66.4 53.4 80.0





#9

Propene

Concen: 9.757 ppbv

RT: 2.96 min Scan# 54

Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080320

Tot Ion: 41 Resp: 644614

Ion Ratio Lower Upper

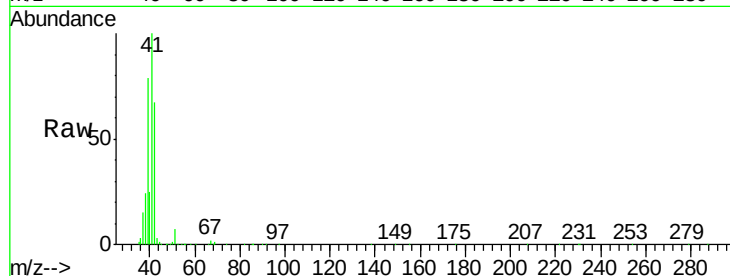
41 100

42 68.3 56.8 85.2

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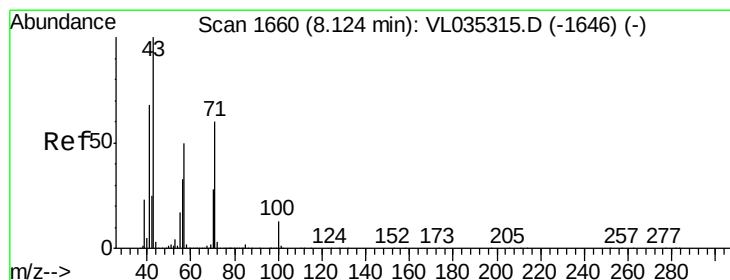
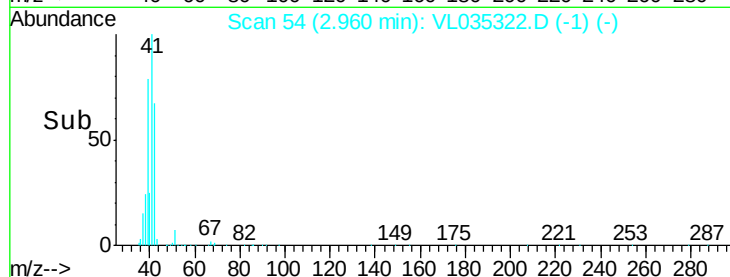
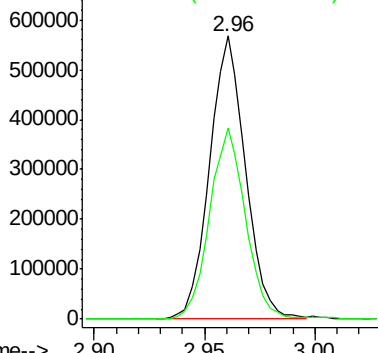
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.750 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VL035322.D

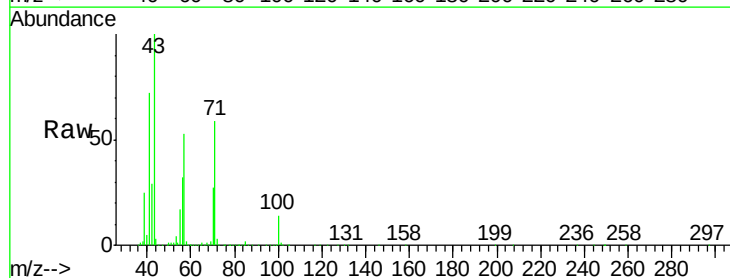
Acq: 3 Aug 2020 17:42

Tgt Ion: 43 Resp: 1653280

Ion Ratio Lower Upper

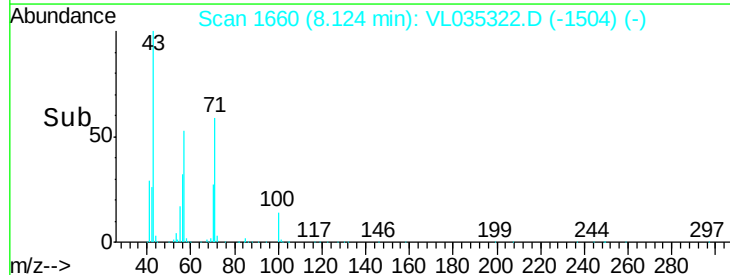
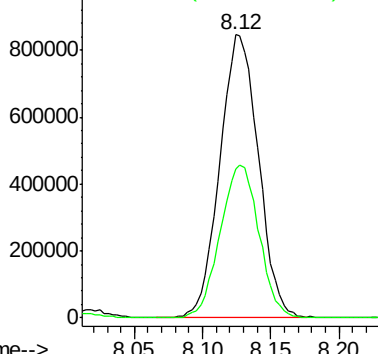
43 100

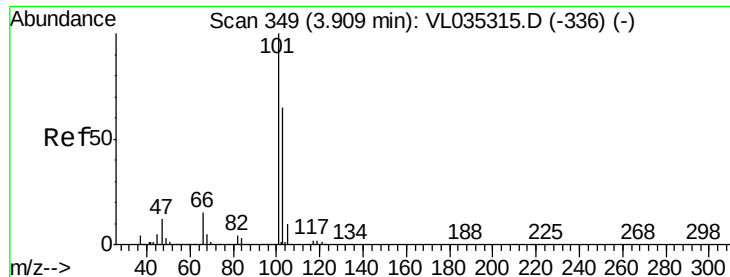
57 54.5 42.4 63.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 7.976 ppbv

RT: 3.91 min Scan# 350

Delta R.T. 0.00 min

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Tot Ion:101 Resp: 2168502

Ion Ratio Lower Upper

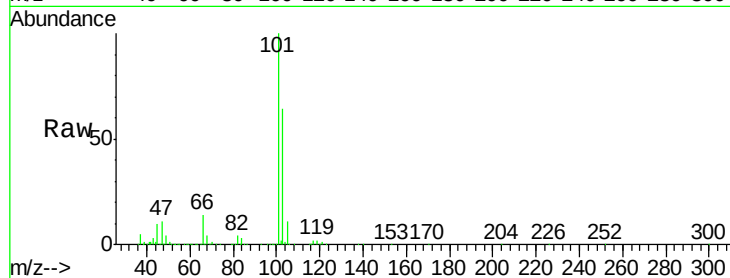
101 100

103 64.2 51.8 77.6

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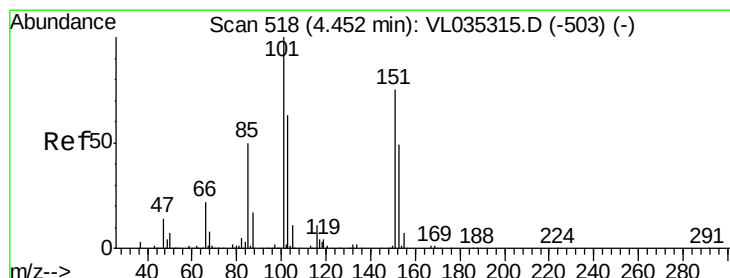
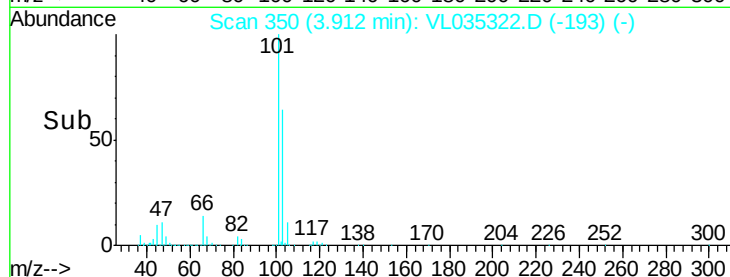
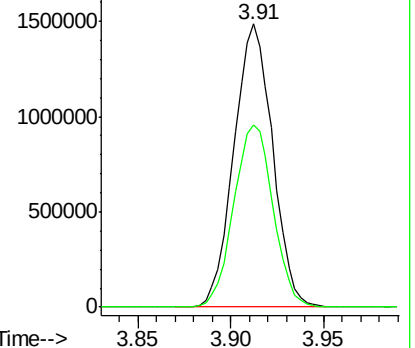
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.070 ppbv

RT: 4.45 min Scan# 518

Delta R.T. 0.00 min

Lab File: VL035322.D

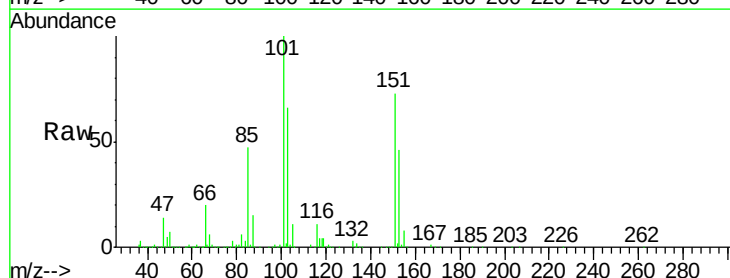
Acq: 3 Aug 2020 17:42

Tgt Ion:101 Resp: 1529400

Ion Ratio Lower Upper

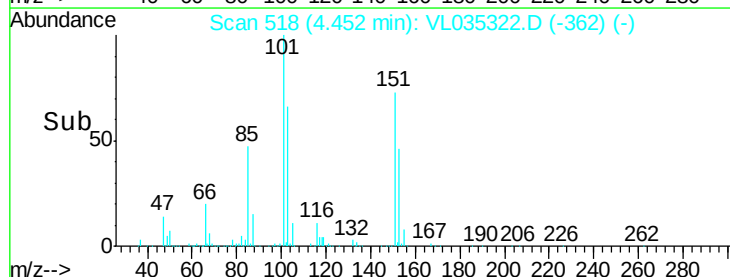
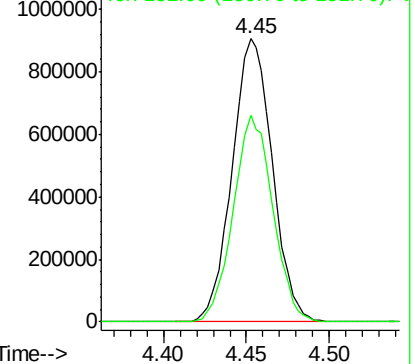
101 100

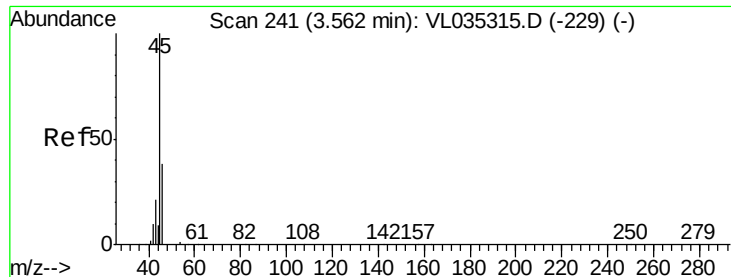
151 72.0 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





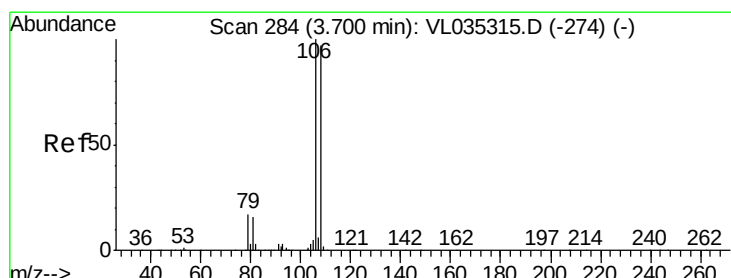
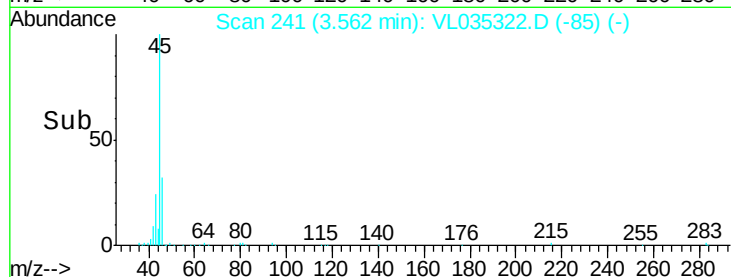
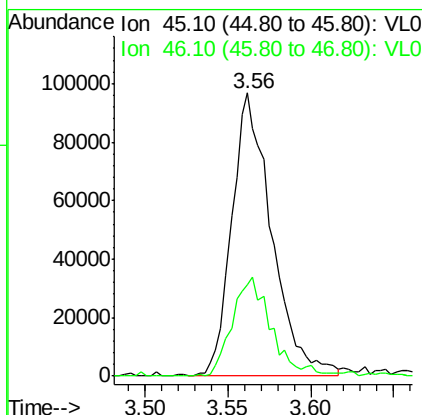
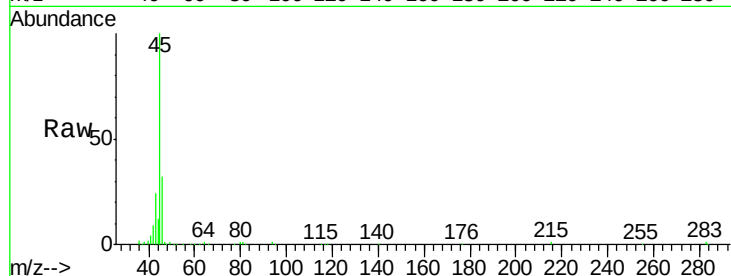
#13
Ethanol
Concen: 6.633 ppbv
RT: 3.56 min Scan# 241
Delta R.T. 0.00 min
Lab File: VL035322.D
Acq: 3 Aug 2020 17:42

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080320

Tot Ion	Ratio	Lower	Upper
45	100		
46	35.5	14.5	57.9

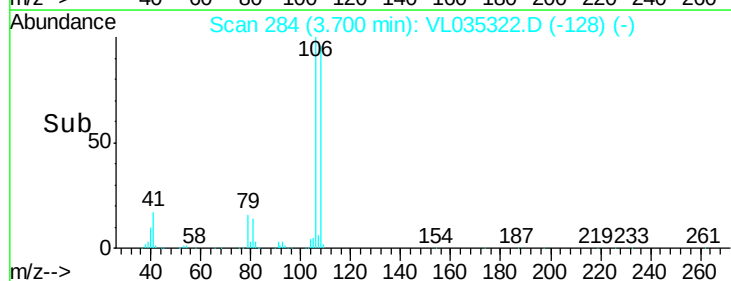
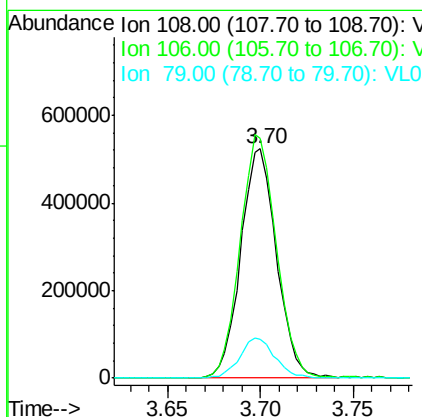
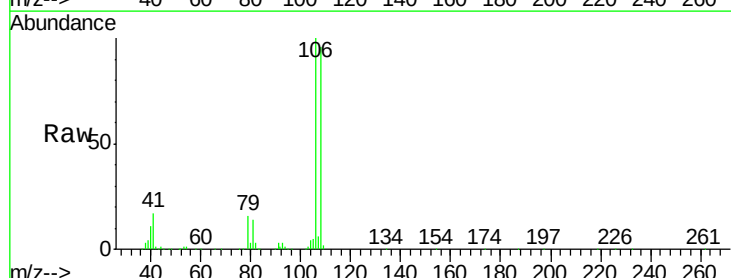
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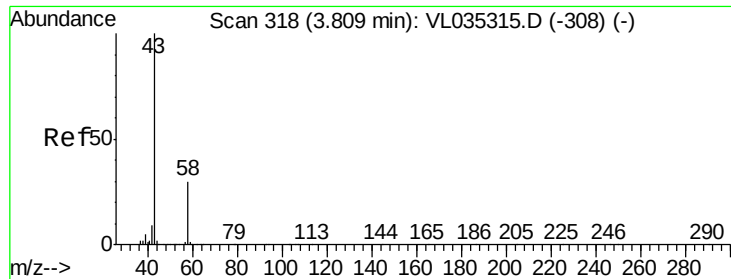
apatel
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#14
Bromoethene
Concen: 9.004 ppbv
RT: 3.70 min Scan# 284
Delta R.T. 0.00 min
Lab File: VL035322.D
Acq: 3 Aug 2020 17:42

Tgt Ion	Ratio	Lower	Upper
108	100		
106	107.9	86.2	129.2
79	17.4	14.0	21.0





#15

Acetone

Concen: 7.611 ppbv

RT: 3.81 min Scan# 318

Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

Instrument :

MSVOA_L

ClientSampled :

ICVVL080320

Tot Ion: 43 Resp: 1751024

Ion Ratio Lower Upper

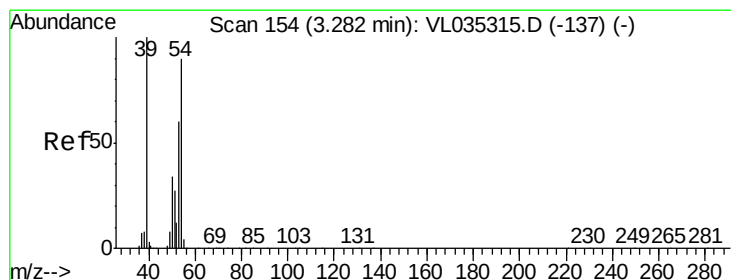
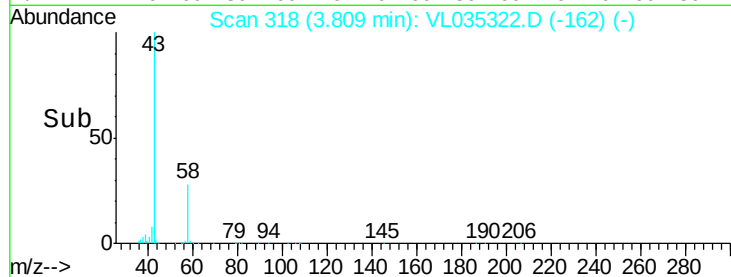
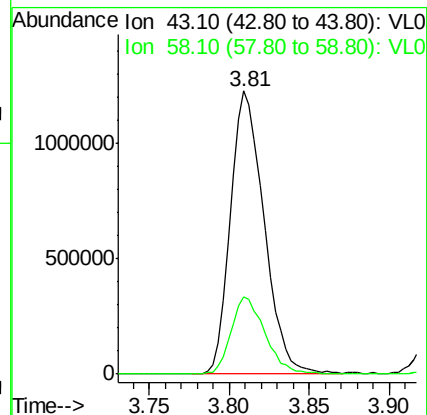
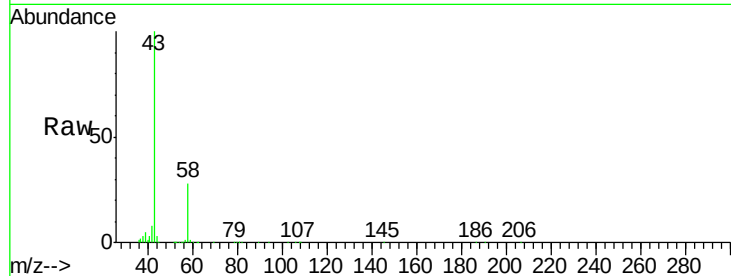
43 100

58 27.7 22.1 33.1

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#16

1,3-Butadiene

Concen: 9.334 ppbv

RT: 3.28 min Scan# 154

Delta R.T. 0.00 min

Lab File: VL035322.D

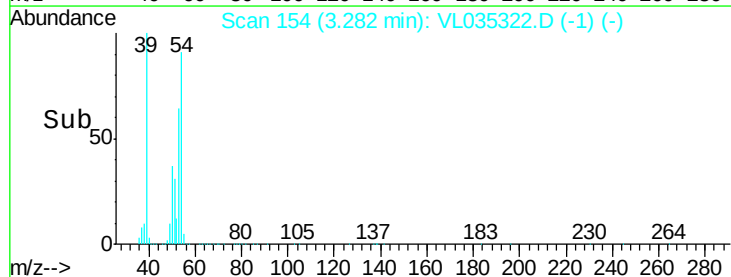
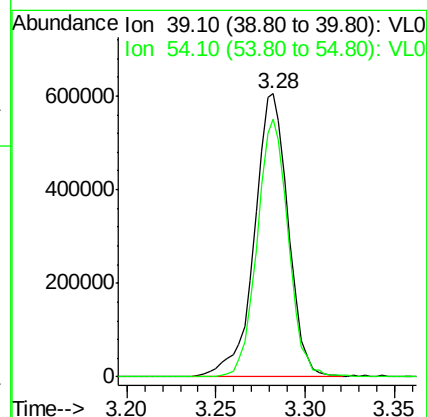
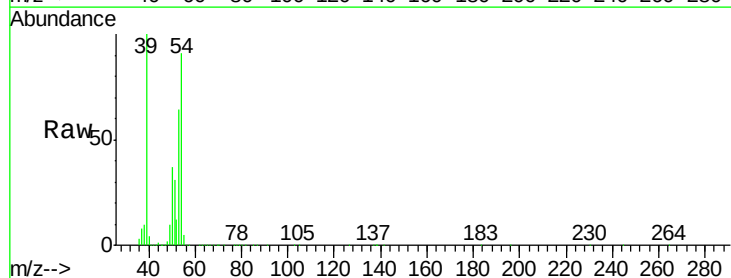
Acq: 3 Aug 2020 17:42

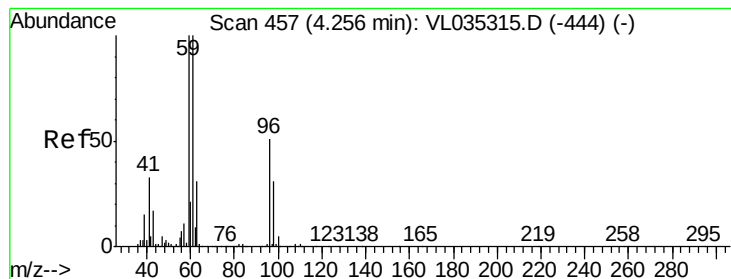
Tgt Ion: 39 Resp: 800809

Ion Ratio Lower Upper

39 100

54 84.6 68.0 102.0





#17

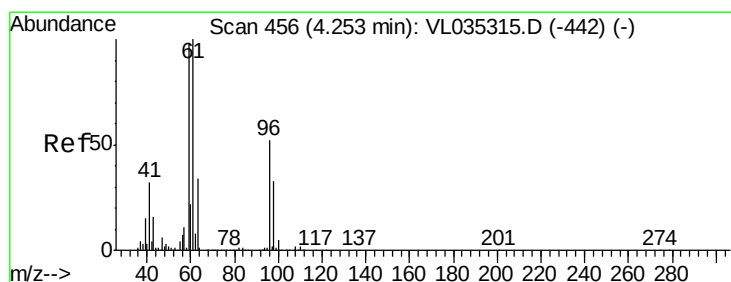
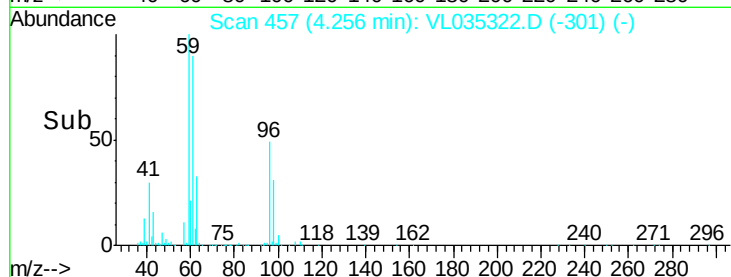
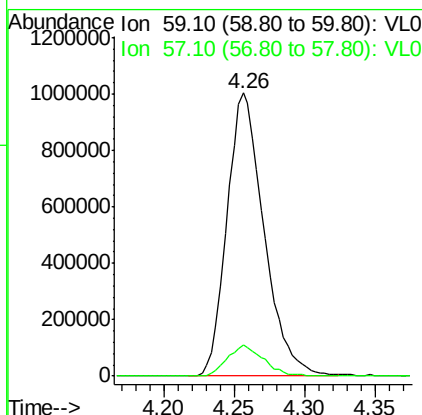
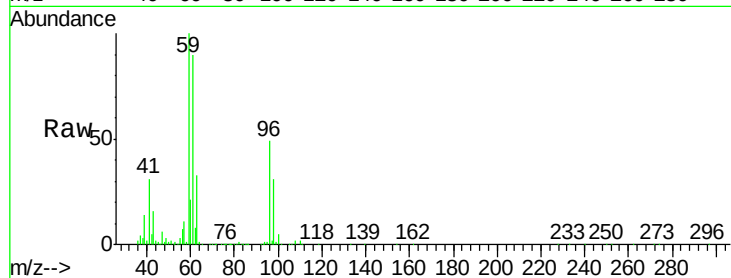
tert-Butyl alcohol
 Concen: 8.809 ppbv
 RT: 4.26 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VL035322.D
 Acq: 3 Aug 2020 17:42

Instrument :
 MSVOA_L
 ClientSampled :
 ICVVL080320

Tot Ion: 59 Resp: 1845884
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.6 13.0

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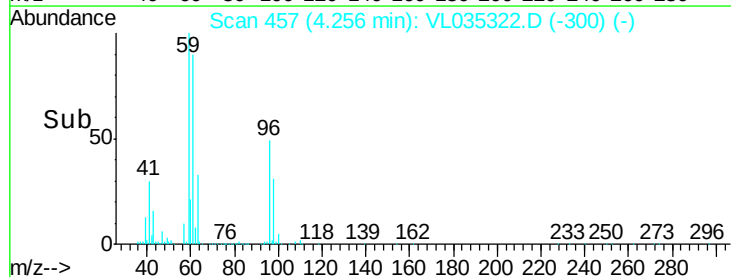
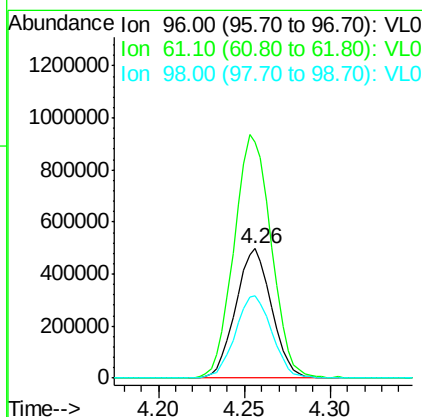
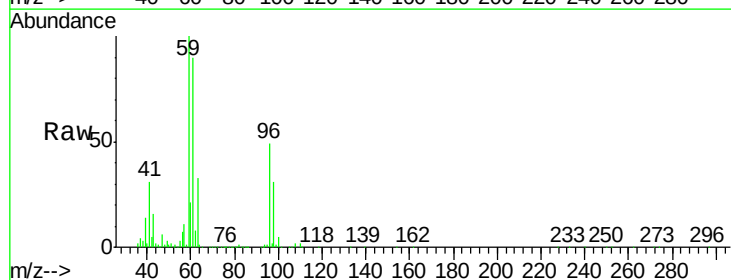
apatel
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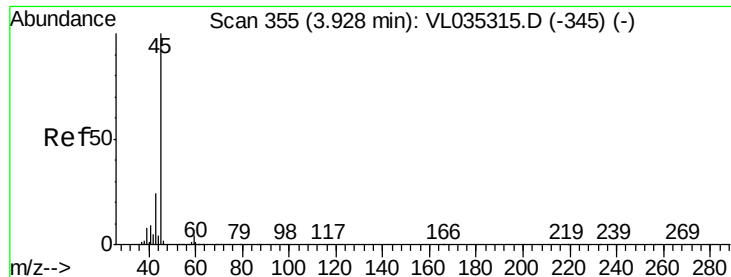


#18

1,1-Dichloroethene
 Concen: 8.436 ppbv
 RT: 4.26 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VL035322.D
 Acq: 3 Aug 2020 17:42

Tgt Ion: 96 Resp: 719694
 Ion Ratio Lower Upper
 96 100
 61 182.7 154.9 232.3
 98 63.5 51.0 76.4





#19

Isopropyl Alcohol

Concen: 8.386 ppbv

RT: 3.93 min Scan# 355

Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

Tot Ion: 45 Resp: 1211851

Ion Ratio Lower Upper

45 100

58 1.8 1.5 2.3

Instrument :

MSVOA_L

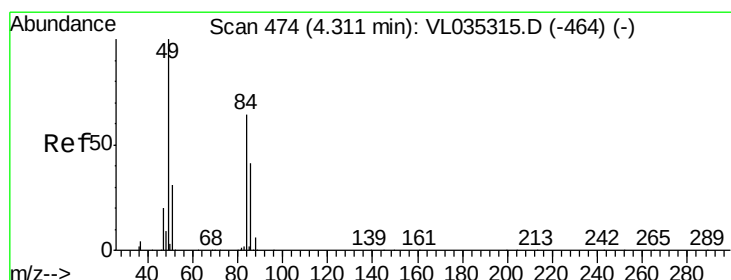
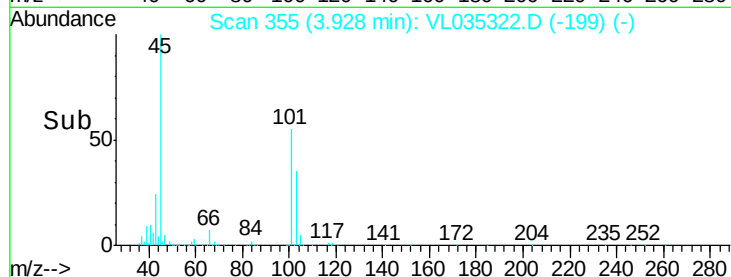
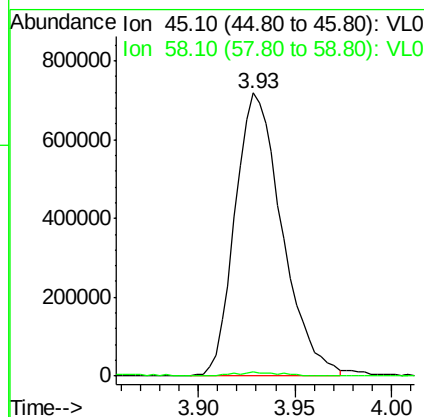
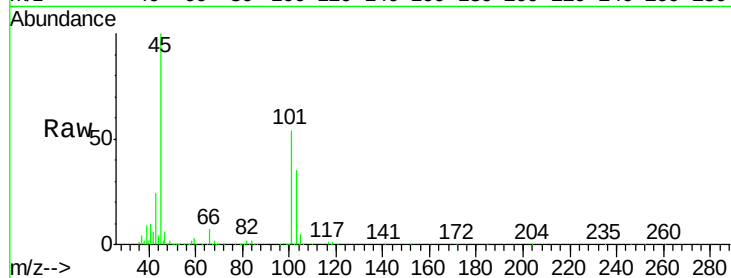
ClientSampleId :

ICVVL080320

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#20

Methylene Chloride

Concen: 6.097 ppbv

RT: 4.31 min Scan# 474

Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

Tgt Ion: 84 Resp: 640684

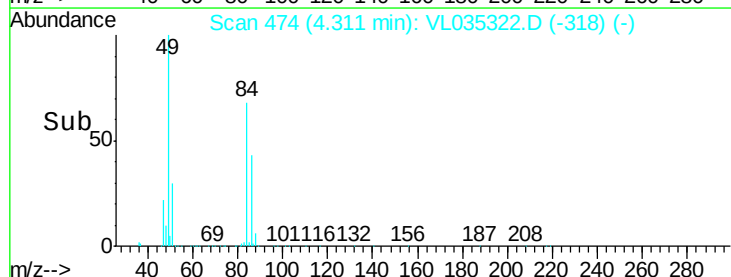
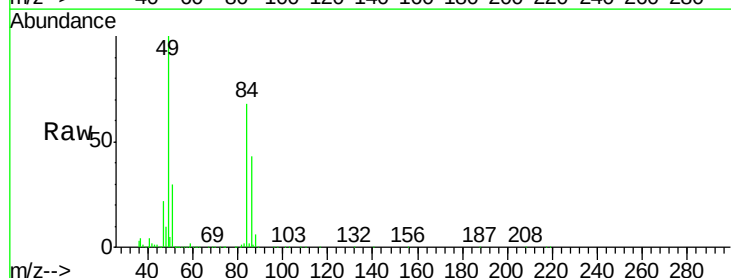
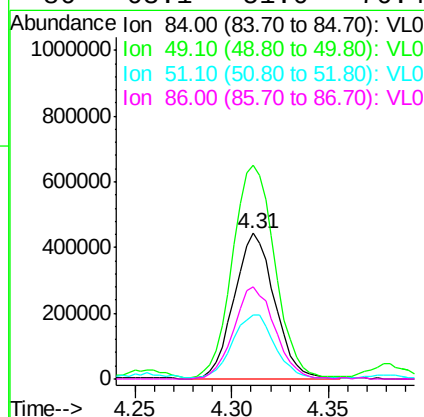
Ion Ratio Lower Upper

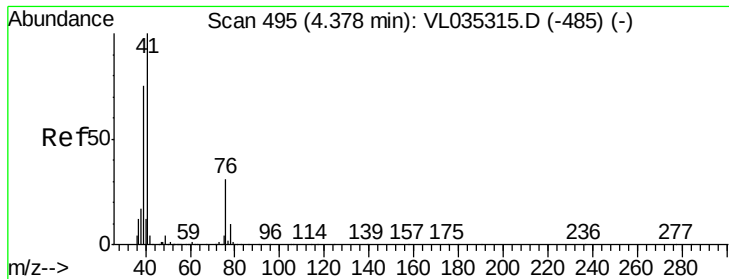
84 100

49 146.1 124.2 186.2

51 43.6 38.6 58.0

86 63.1 51.0 76.4





#21

Allvl Chloride

Concen: 8.978 ppbv

RT: 4.38 min Scan# 495

Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080320

Tot Ion: 41 Resp: 1169765

Ion Ratio Lower Upper

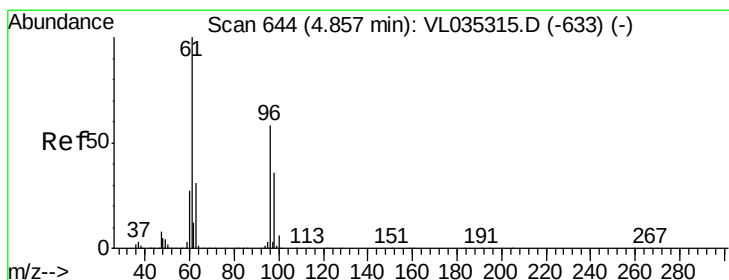
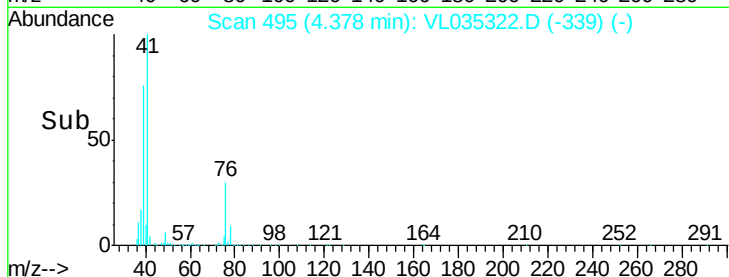
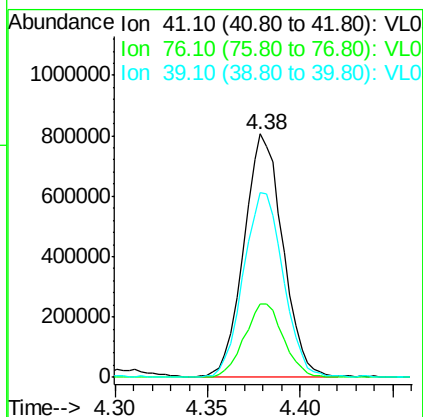
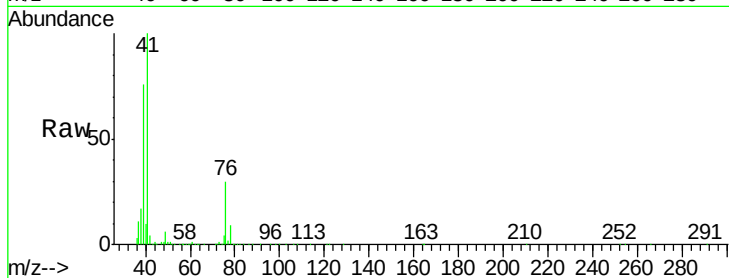
41 100

76 30.6 24.4 36.6

39 78.6 61.8 92.6

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#22

trans-1,2-Dichloroethene

Concen: 8.449 ppbv

RT: 4.86 min Scan# 645

Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

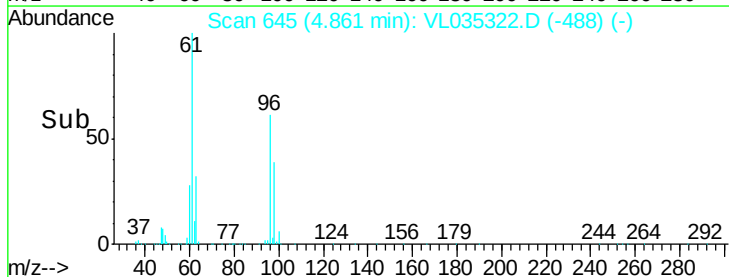
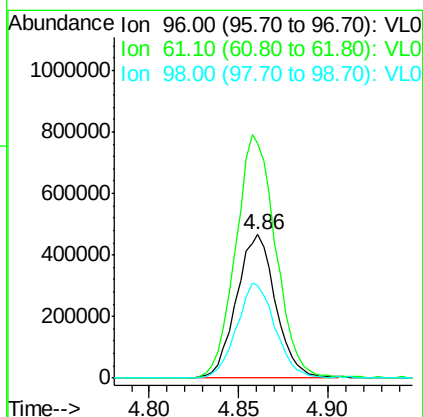
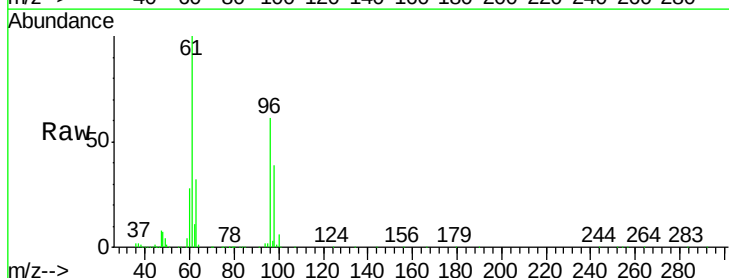
Tgt Ion: 96 Resp: 715092

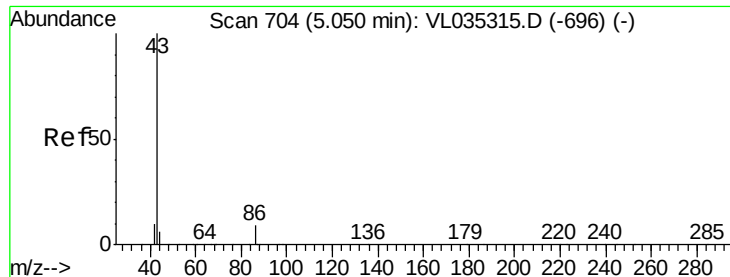
Ion Ratio Lower Upper

96 100

61 163.2 136.8 205.2

98 64.3 49.2 73.8





#23

Vinyl Acetate

Concen: 9.895 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080320

Tot Ion: 43 Resp: 2255820

Ion Ratio Lower Upper

43 100

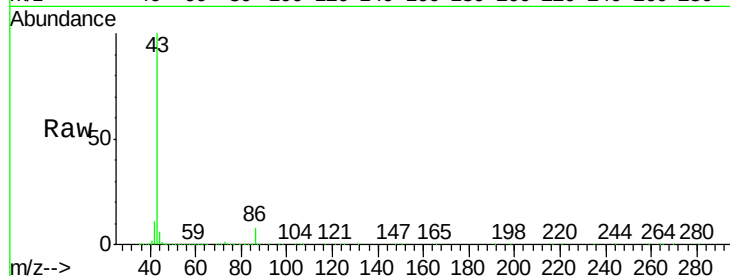
86 7.9 6.5 9.7

42 10.7 8.2 12.4

44 5.9 5.0 7.6

Manual Integrations
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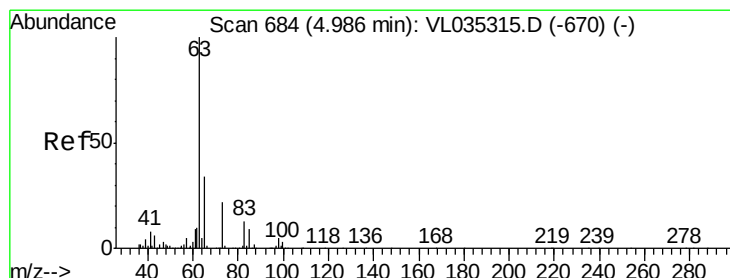
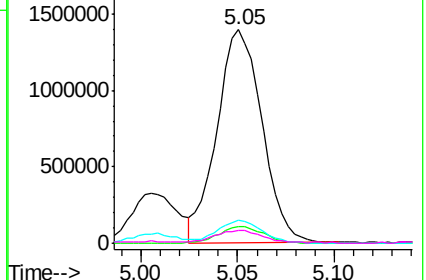
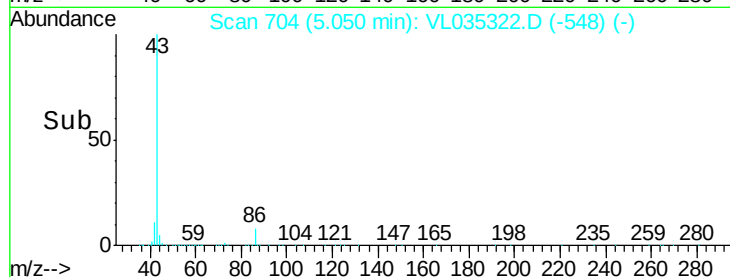


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.622 ppbv

RT: 4.99 min Scan# 684

Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

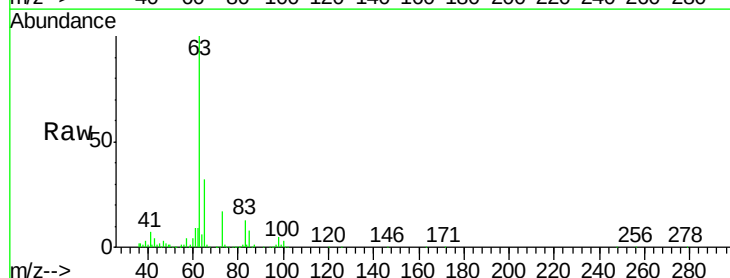
Tgt Ion: 63 Resp: 1828857

Ion Ratio Lower Upper

63 100

98 4.5 2.5 7.5

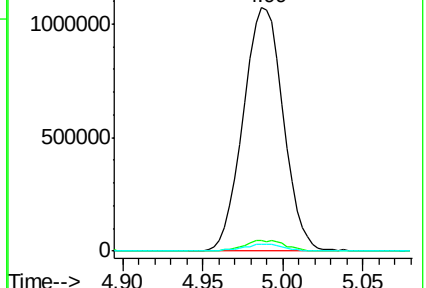
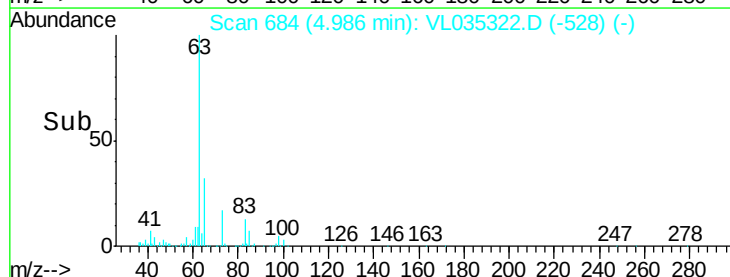
100 3.0 1.5 4.4

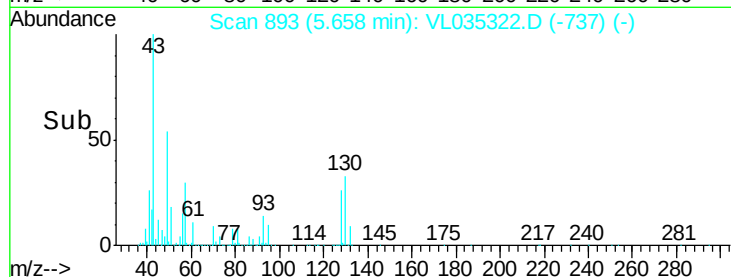
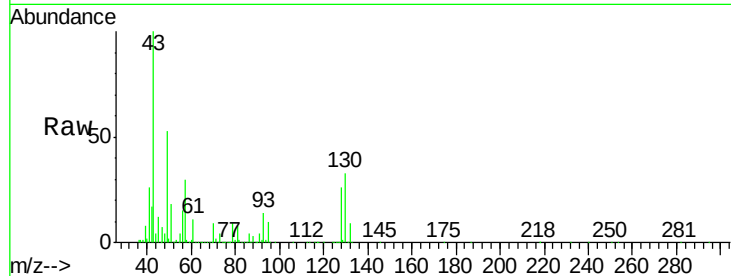
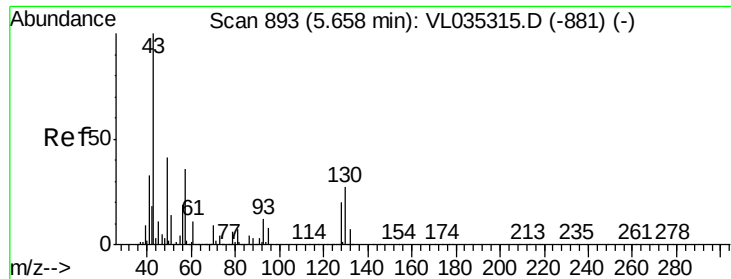


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

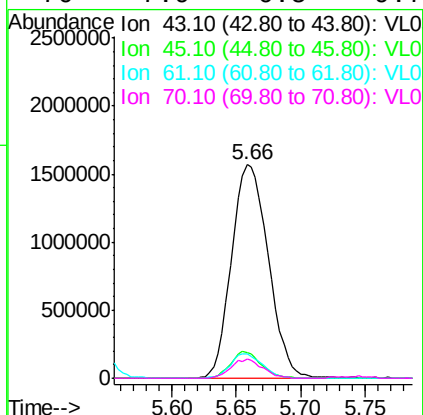
Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 8.939 ppbv
RT: 5.66 min Scan# 893
Delta R.T. 0.00 min
Lab File: VL035322.D
Acq: 3 Aug 2020 17:42

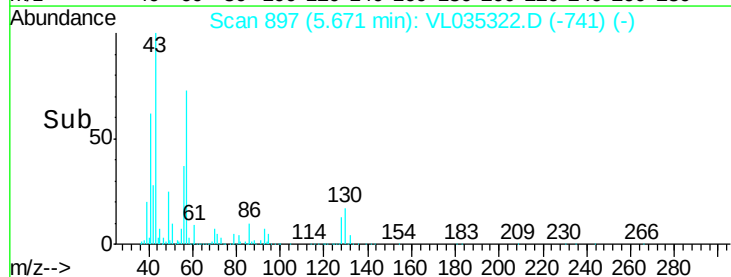
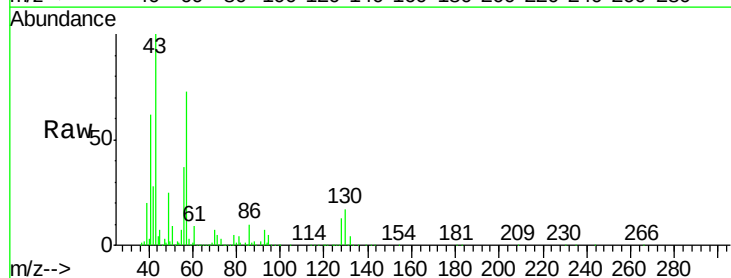
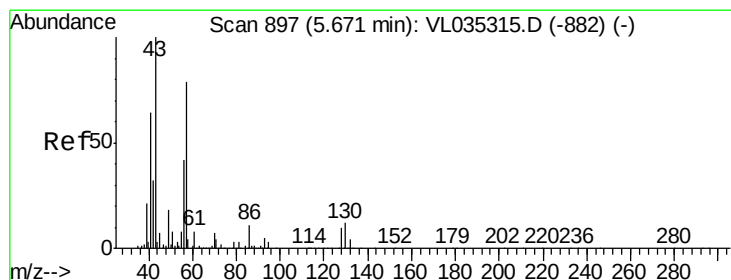
Tot Ion	43	Resp	3108459
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.6	12.8
61	10.1	8.1	12.1
70	7.9	6.5	9.7



Instrument :
MSVOA_L
ClientSampleId :
ICVVL080320

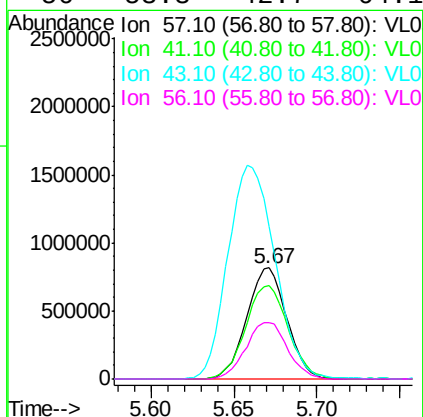
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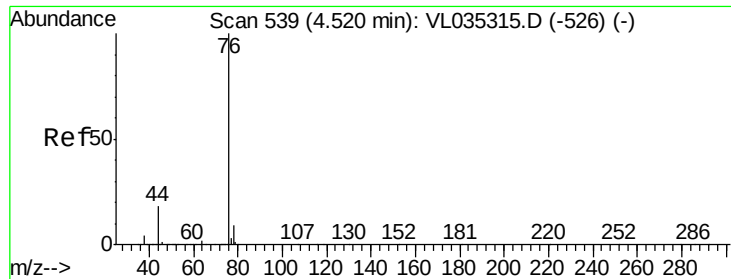
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#26
Hexane
Concen: 8.825 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL035322.D
Acq: 3 Aug 2020 17:42

Tgt Ion	57	Resp	1373969
Ion	Ratio	Lower	Upper
57	100		
41	90.1	72.1	108.1
43	226.8	179.0	268.6
56	53.3	42.7	64.1





#27

Carbon Disulfide

Concen: 9.035 ppbv

RT: 4.52 min Scan# 539

Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

Instrument :

MSVOA_L

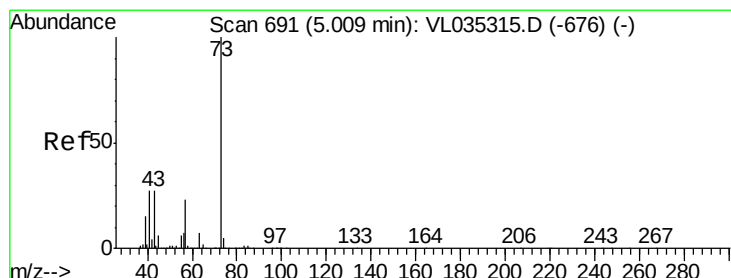
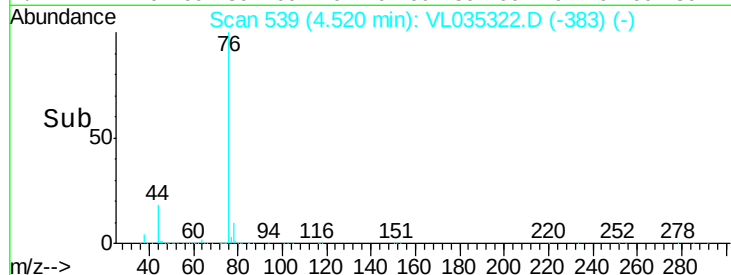
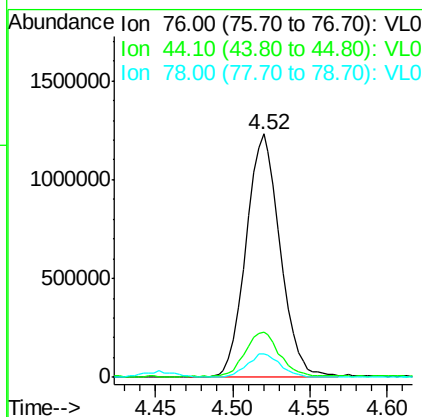
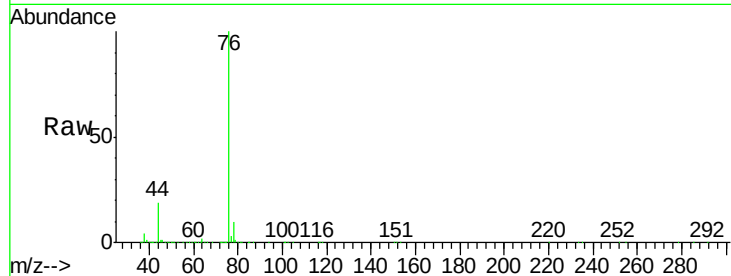
ClientSampleId :

ICVVL080320

Tot Ion:	76	Resp:	1892791
Ion	Ratio	Lower	Upper
76	100		
44	18.4	14.8	22.2
78	9.5	7.8	11.8

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#28

Methyl tert-Butyl Ether

Concen: 9.479 ppbv

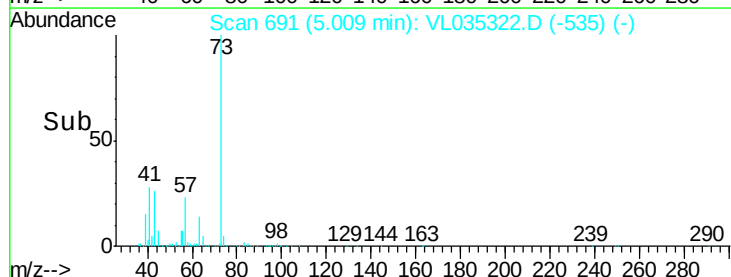
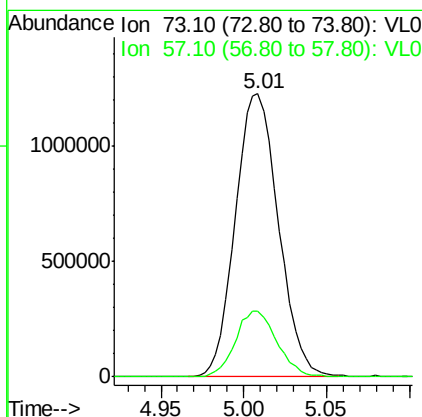
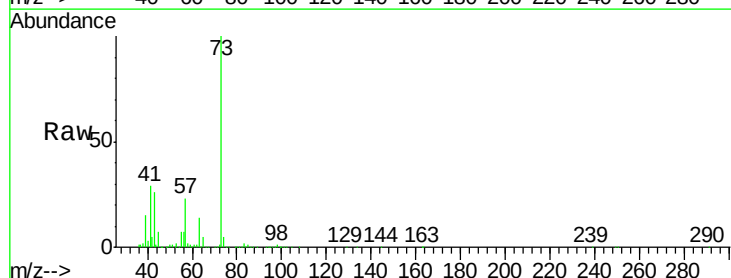
RT: 5.01 min Scan# 691

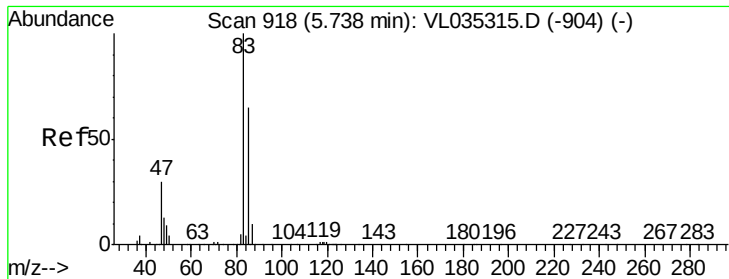
Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

Tgt Ion:	73	Resp:	2217787
Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.2	27.2





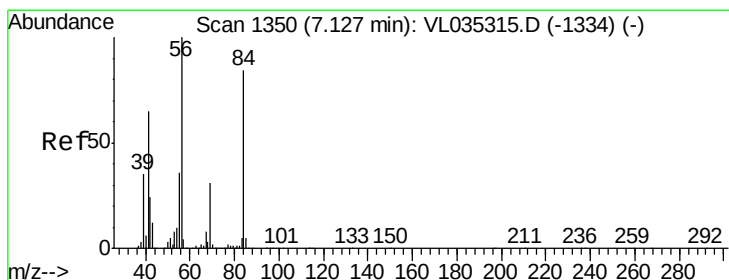
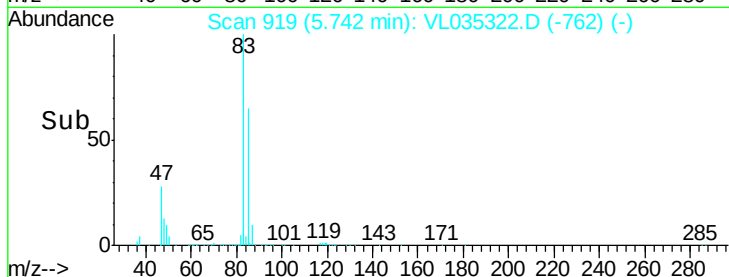
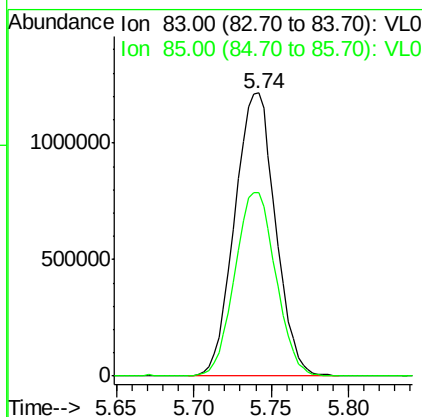
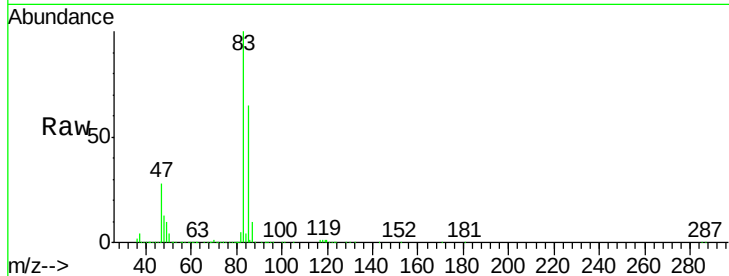
#29
Chloroform
Concen: 8.421 ppbv
RT: 5.74 min Scan# 919
Delta R.T. 0.00 min
Lab File: VL035322.D
Acq: 3 Aug 2020 17:42

Instrument :
MSVOA_L
ClientSampled :
ICVVL080320

Tot Ion: 83 Resp: 2217860
Ion Ratio Lower Upper
83 100
85 64.7 51.9 77.9

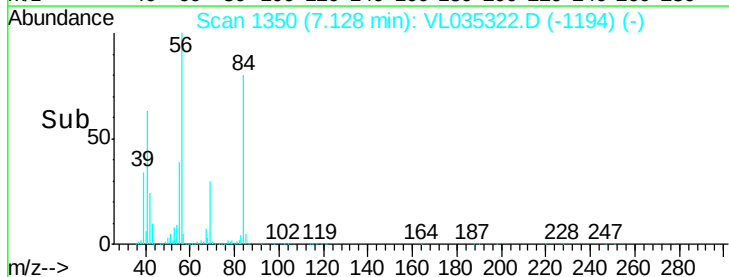
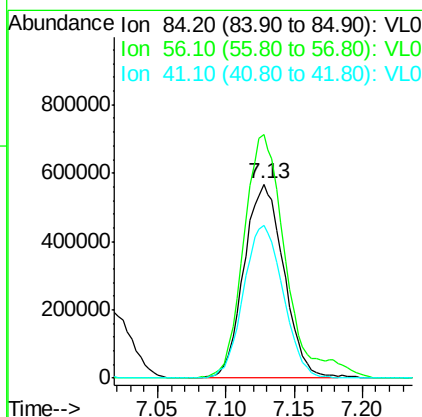
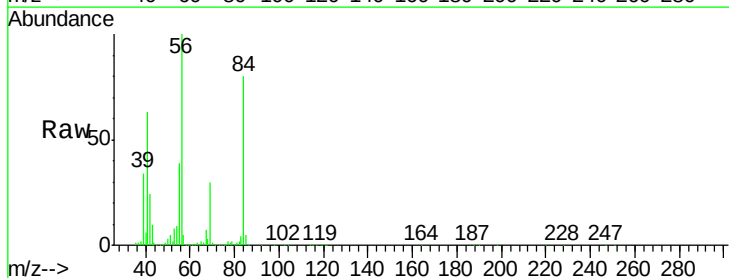
Manual Integrations
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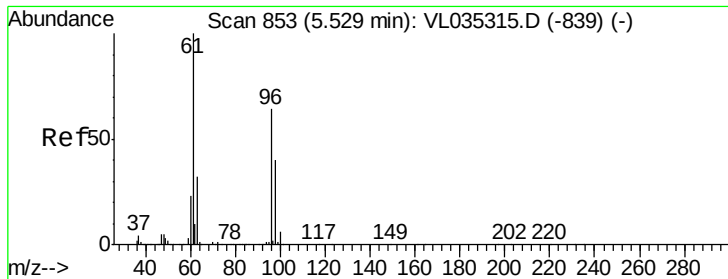
apatel
8/6/2020 2:45:05 PM



#30
Cyclohexane
Concen: 9.833 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL035322.D
Acq: 3 Aug 2020 17:42

Tgt Ion: 84 Resp: 1148437
Ion Ratio Lower Upper
84 100
56 132.8 103.0 154.6
41 78.3 62.7 94.1





#31

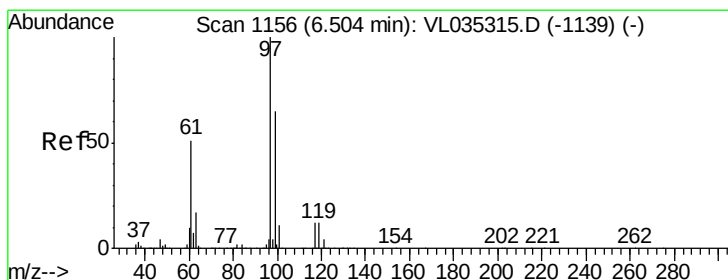
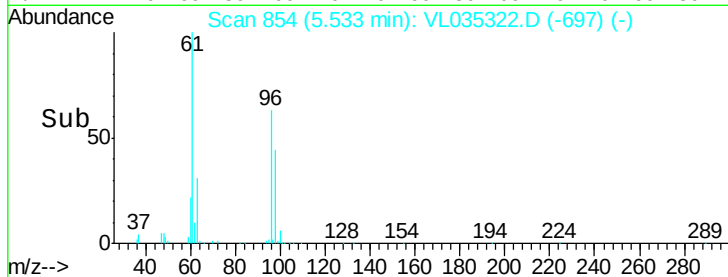
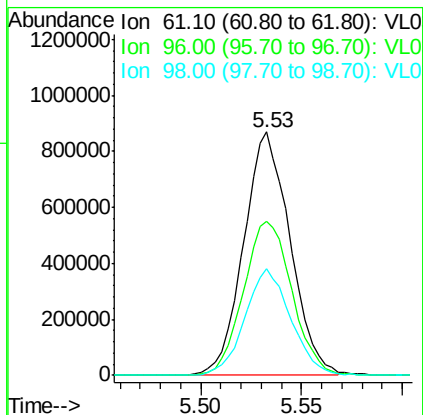
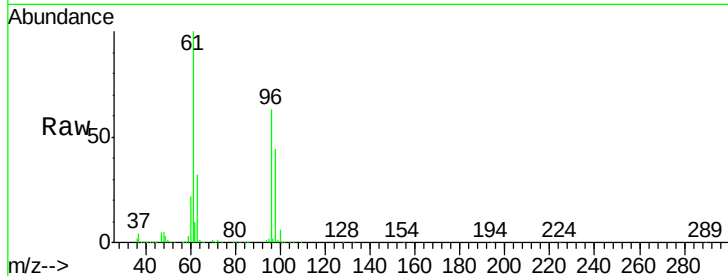
cis-1,2-Dichloroethene
 Concen: 9.704 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: VL035322.D
 Acq: 3 Aug 2020 17:42

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL080320

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.1	51.4	77.2
98	43.6	32.2	48.4

Manual Integrations
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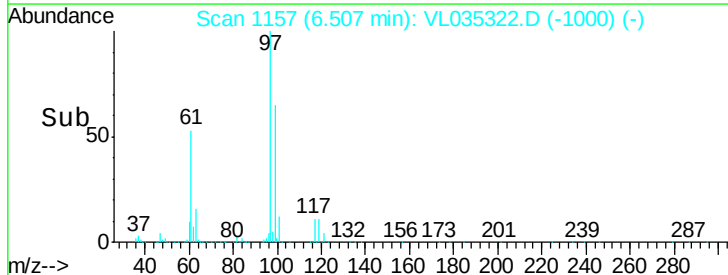
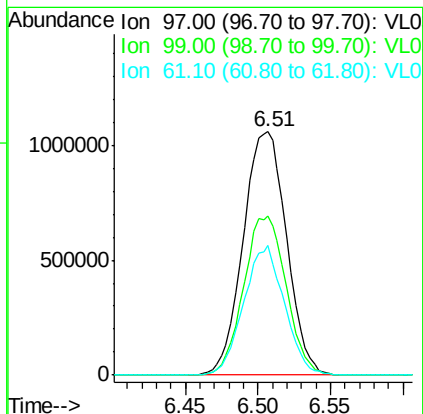
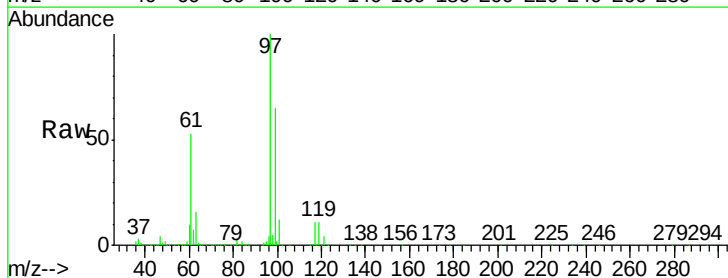
apatel
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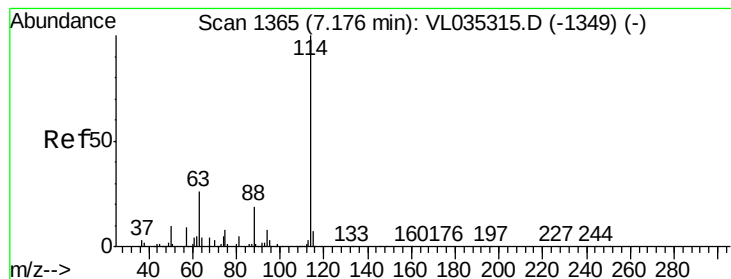


#32

1,1,1-Trichloroethane
 Concen: 8.669 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: VL035322.D
 Acq: 3 Aug 2020 17:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.2	78.4
61	50.0	40.9	61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080320

Tot Ion:114 Resp: 3820828

Ion Ratio Lower Upper

114 100

63 27.1 21.5 32.3

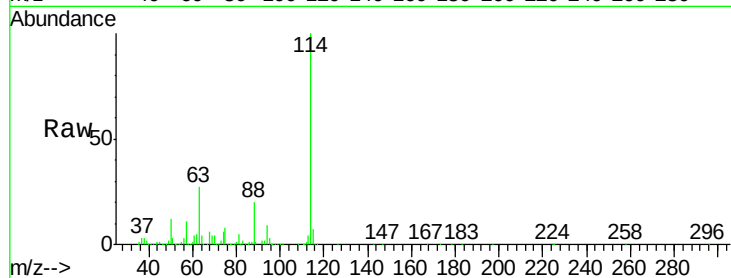
88 19.2 15.3 22.9

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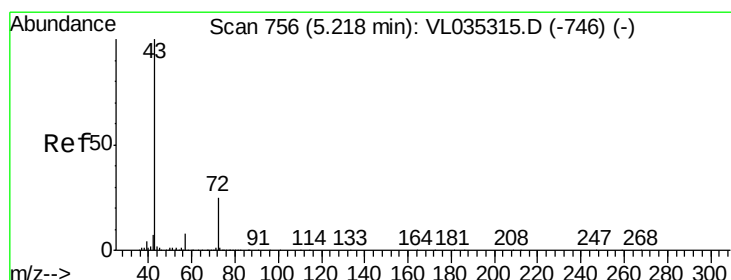
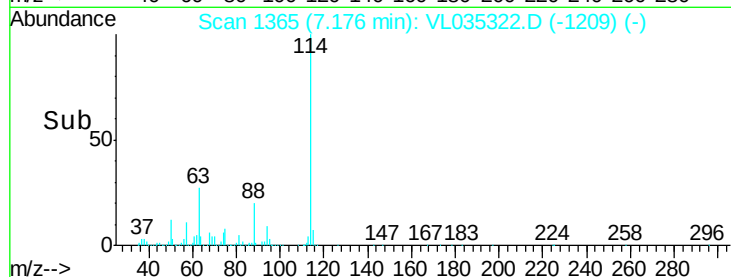
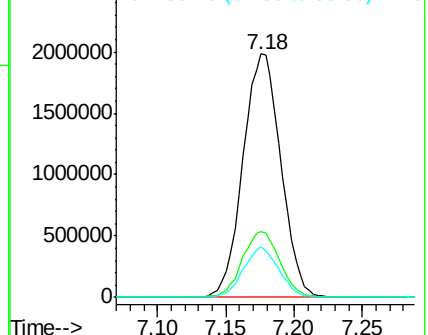
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.617 ppbv

RT: 5.22 min Scan# 757

Delta R.T. 0.00 min

Lab File: VL035322.D

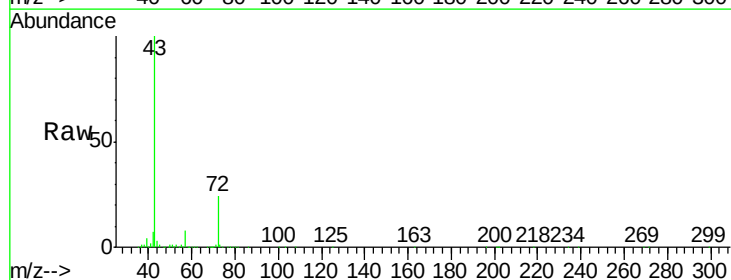
Acq: 3 Aug 2020 17:42

Tgt Ion: 43 Resp: 1934518

Ion Ratio Lower Upper

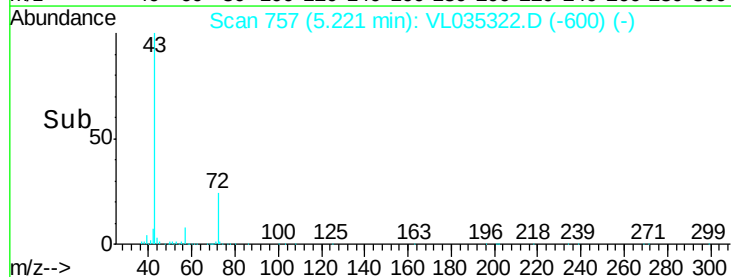
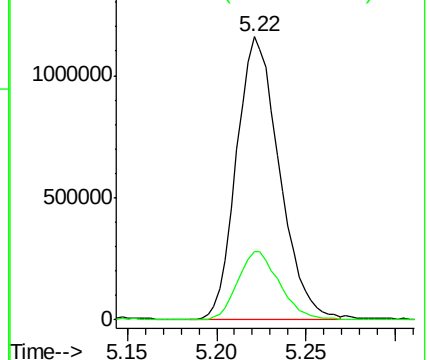
43 100

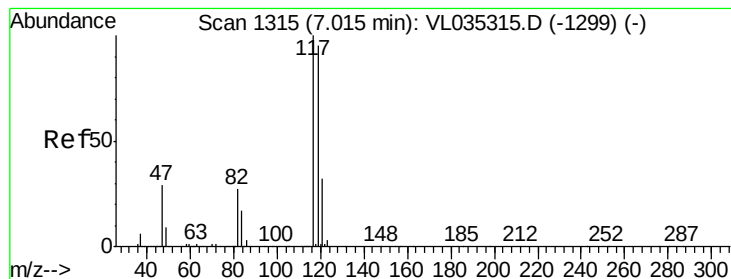
72 24.0 19.2 28.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.165 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080320

Tot Ion:117 Resp: 2264553

Ion Ratio Lower Upper

117 100

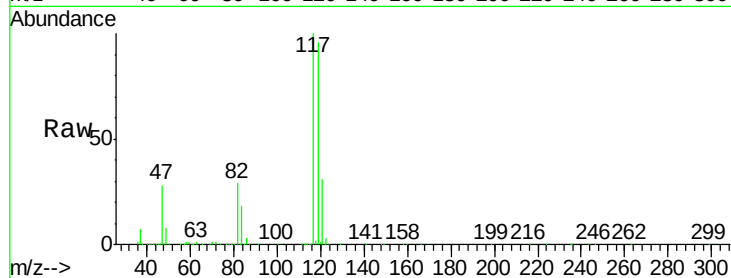
119 96.2 76.1 114.1

121 30.7 25.6 38.4

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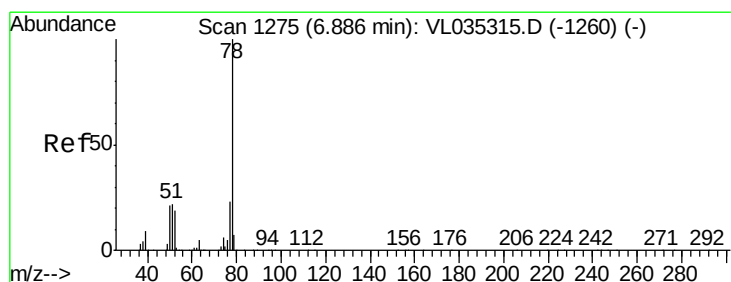
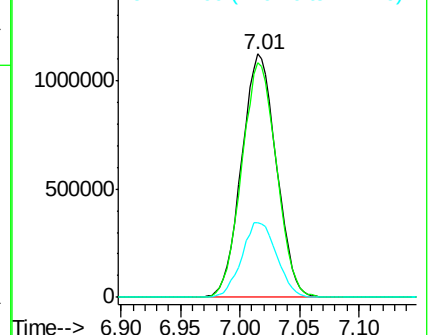
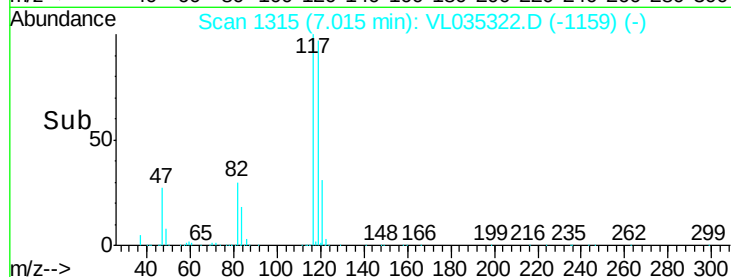
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.837 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

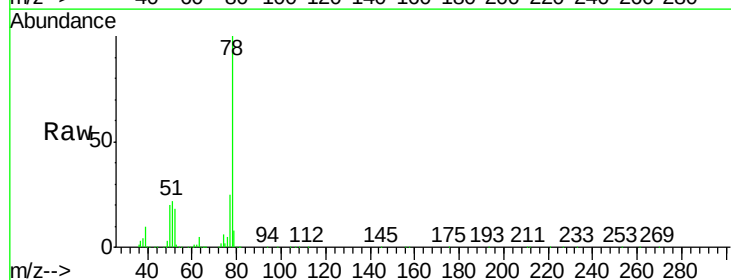
Tgt Ion: 78 Resp: 2755785

Ion Ratio Lower Upper

78 100

77 24.8 18.4 27.6

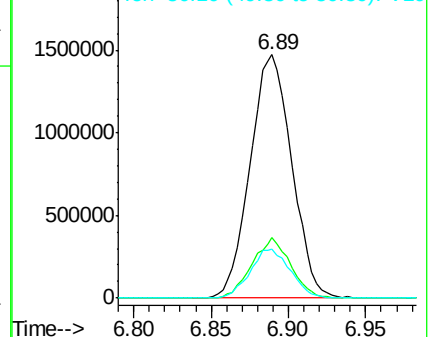
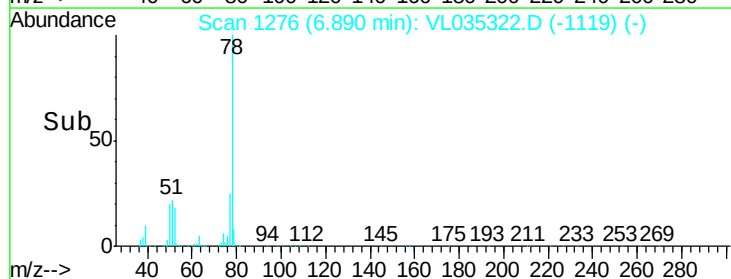
50 20.1 16.6 25.0

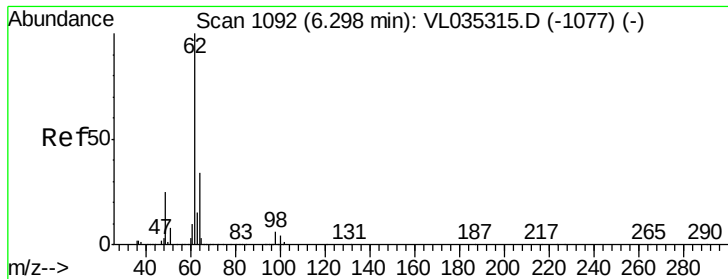


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.170 ppbv

RT: 6.30 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080320

Tot Ion: 62 Resp: 1740088

Ion Ratio Lower Upper

62 100

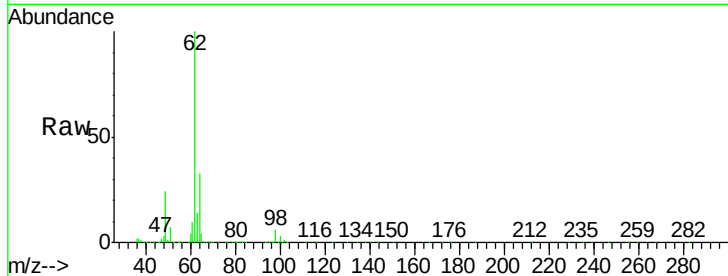
98 5.9 4.6 7.0

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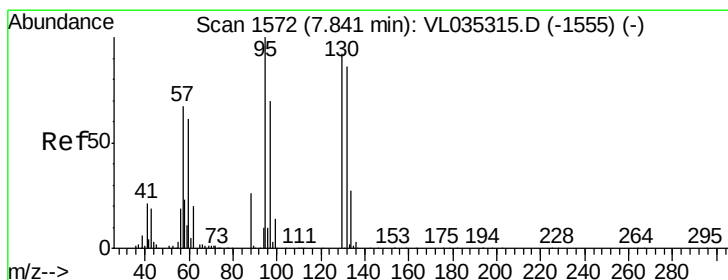
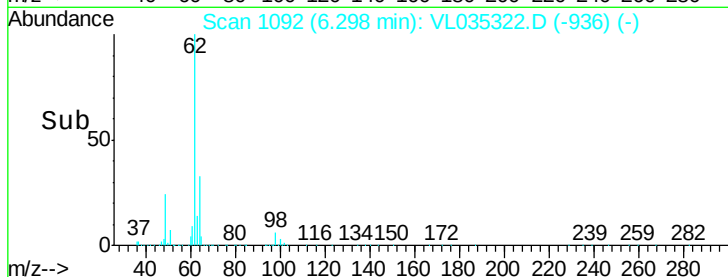
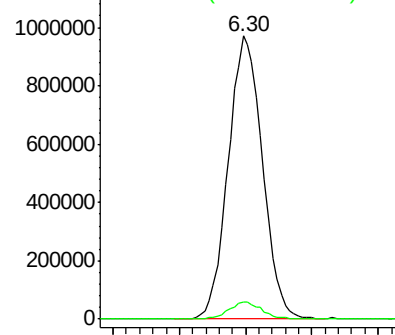
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 10.858 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

Tgt Ion:130 Resp: 1117705

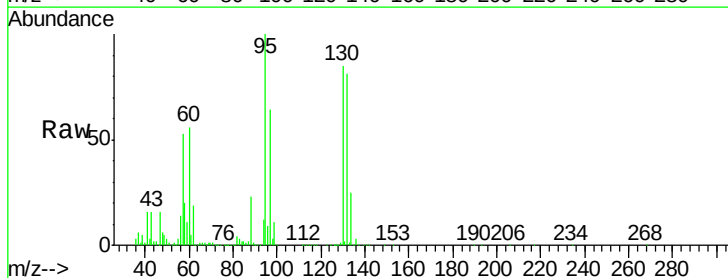
Ion Ratio Lower Upper

130 100

95 117.7 86.3 129.5

132 95.5 74.2 111.2

97 75.0 60.2 90.4

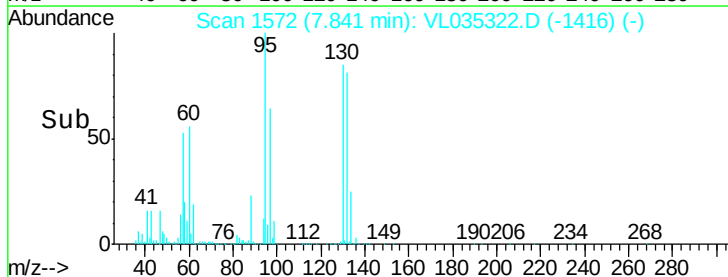
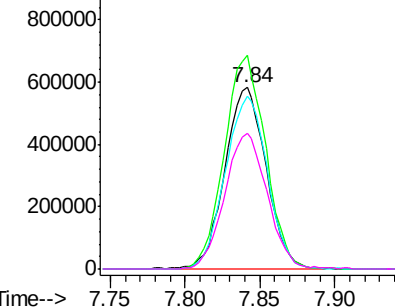


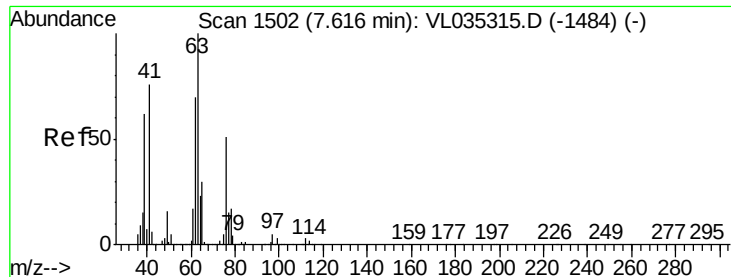
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





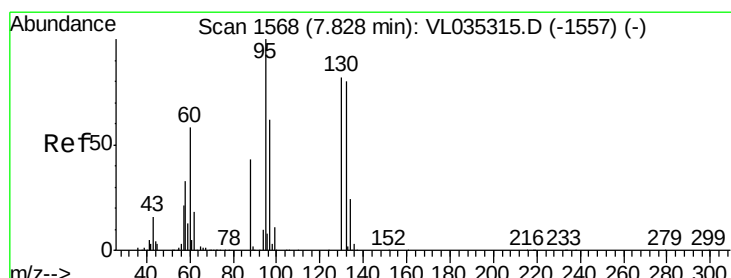
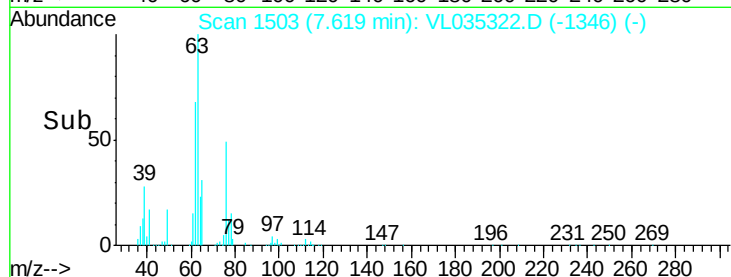
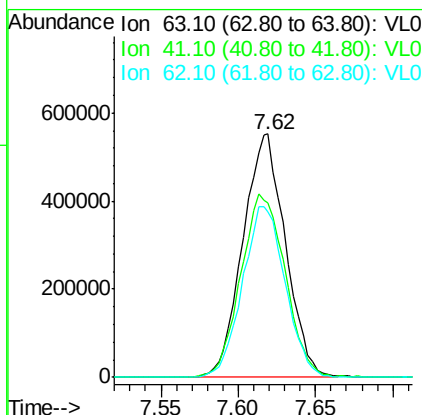
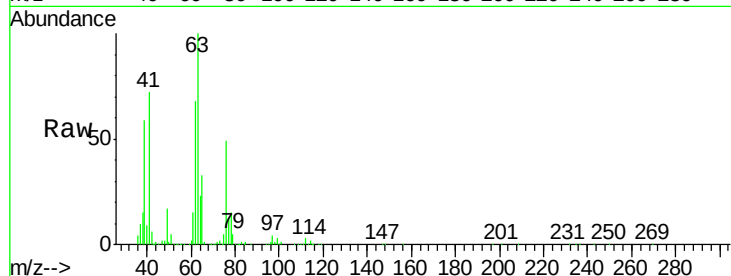
#39
 1,2-Dichloropropane
 Concen: 9.586 ppbv
 RT: 7.62 min Scan# 1503
 Delta R.T. 0.00 min
 Lab File: VL035322.D
 Acq: 3 Aug 2020 17:42

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL080320

Tot Ion	Ratio	Lower	Upper
63	100		
41	71.6	61.0	91.4
62	67.9	55.8	83.8

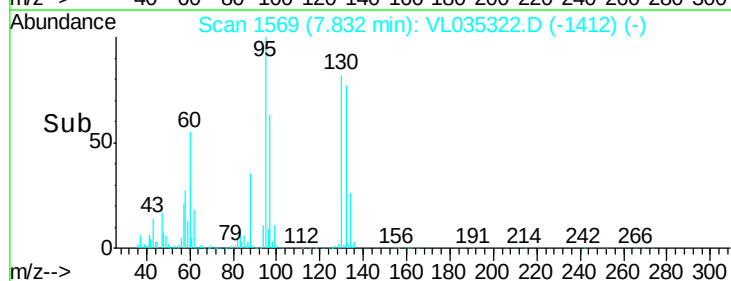
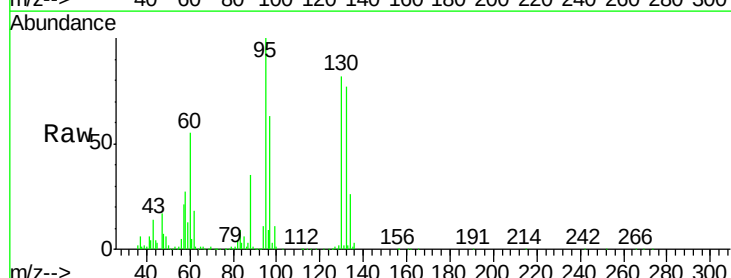
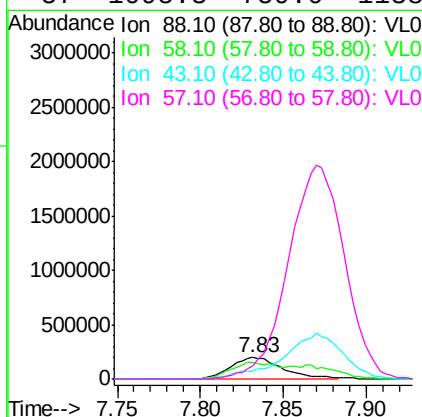
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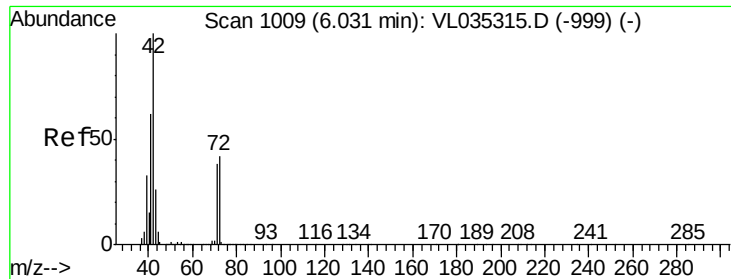
apatel
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#40
 1,4-Dioxane
 Concen: 8.856 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL035322.D
 Acq: 3 Aug 2020 17:42

Tgt Ion	Ratio	Lower	Upper
88	100		
58	127.3	95.4	143.2
43	248.9	172.7	259.1
57	1095.3	759.0	1138.4





#41

Tetrahydrofuran

Concen: 10.576 ppbv

RT: 6.03 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

Instrument :

MSVOA_L

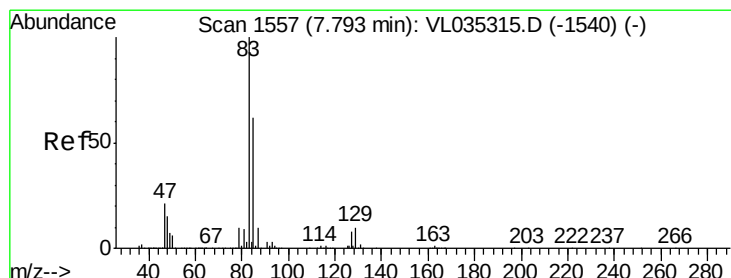
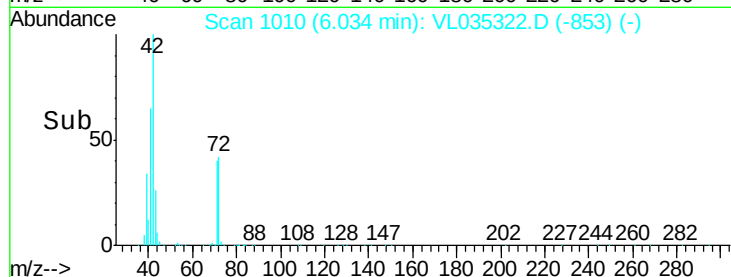
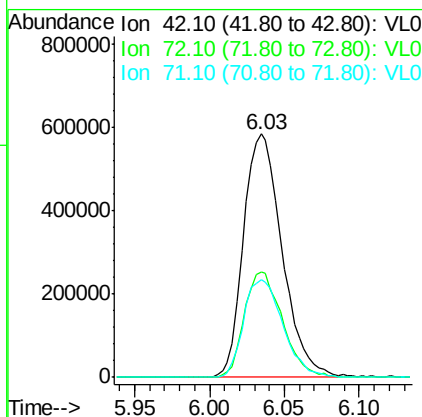
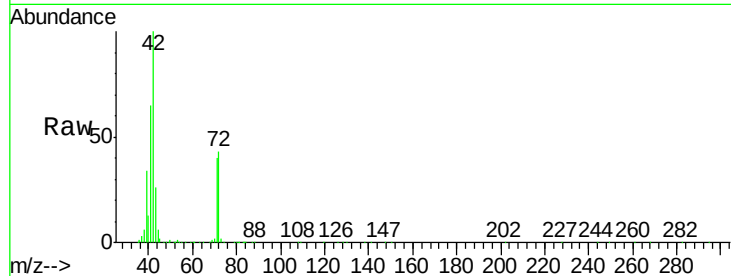
ClientSampleId :

ICVVL080320

Tot Ion:	42	Resp:	1049430
Ion	Ratio	Lower	Upper
42	100		
72	43.1	33.8	50.8
71	41.5	32.7	49.1

Manual Integrations
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#42

Bromodichloromethane

Concen: 9.135 ppbv

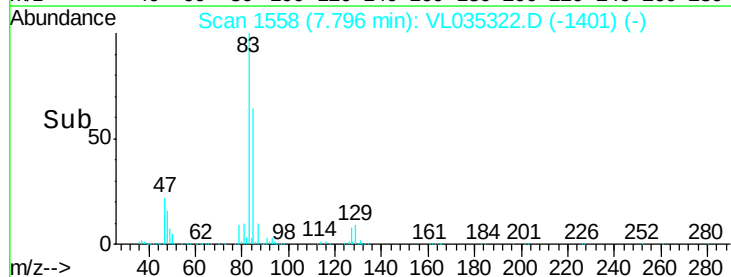
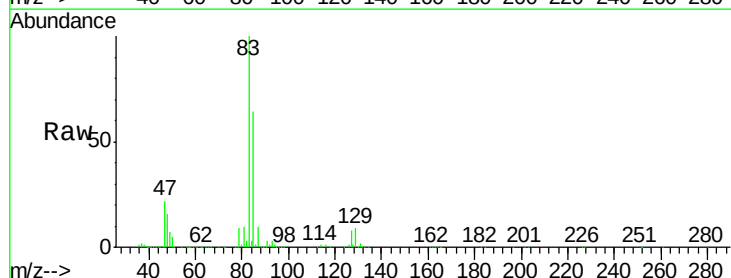
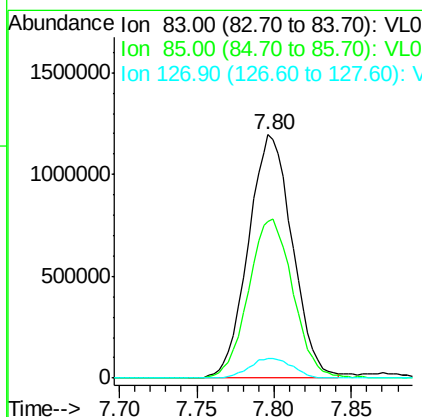
RT: 7.80 min Scan# 1558

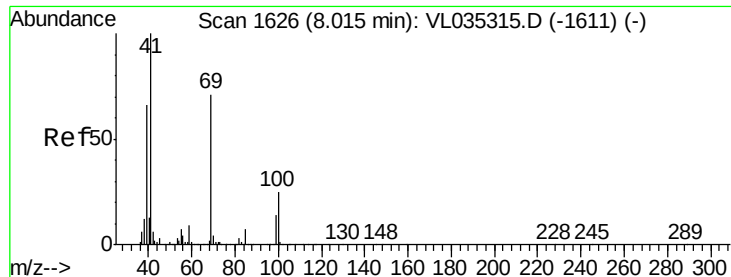
Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

Tgt Ion:	83	Resp:	2364954
Ion	Ratio	Lower	Upper
83	100		
85	64.2	49.9	74.9
127	8.2	6.6	10.0





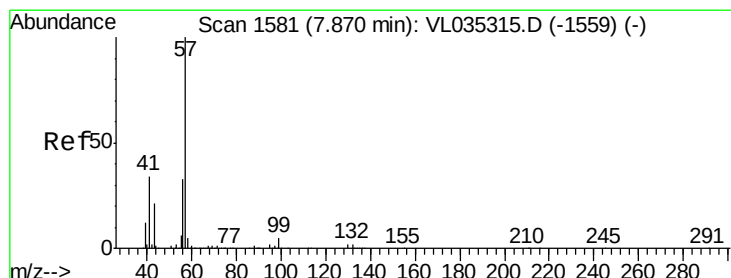
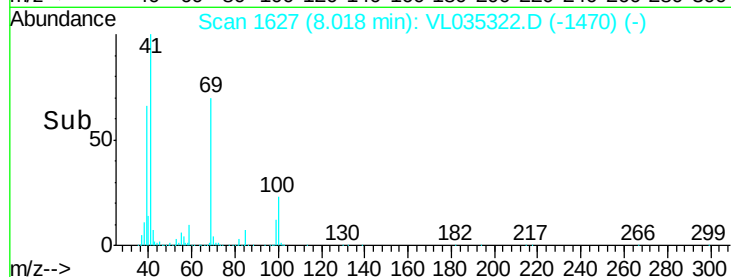
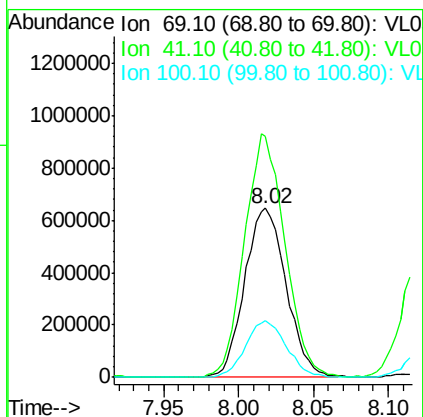
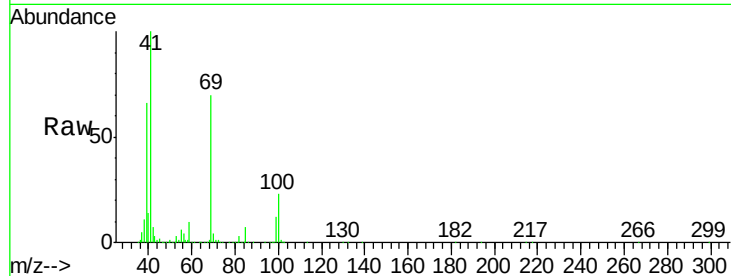
#43
Methyl Methacrylate
Concen: 10.677 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VL035322.D
Acq: 3 Aug 2020 17:42

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080320

Tot Ion	Ratio	Lower	Upper
69	100		
41	140.1	110.9	166.3
100	32.9	26.0	39.0

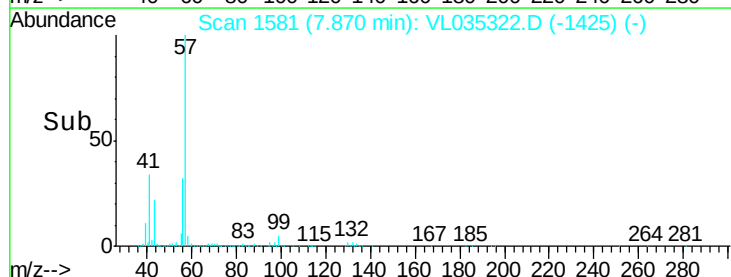
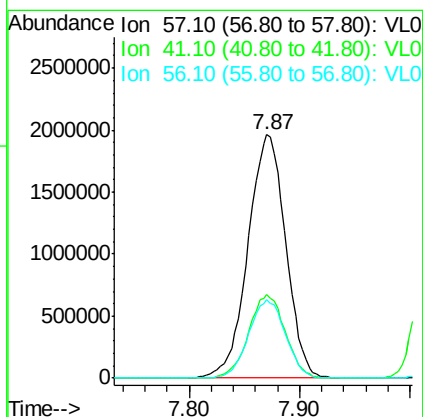
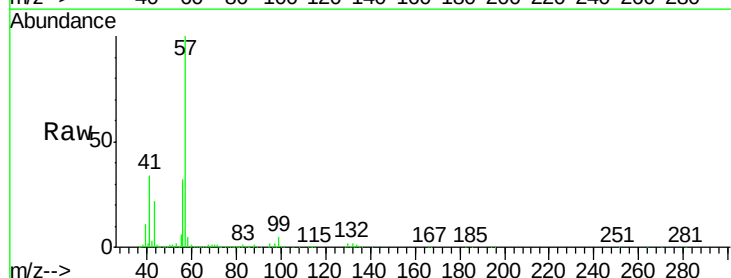
Manual Integrations
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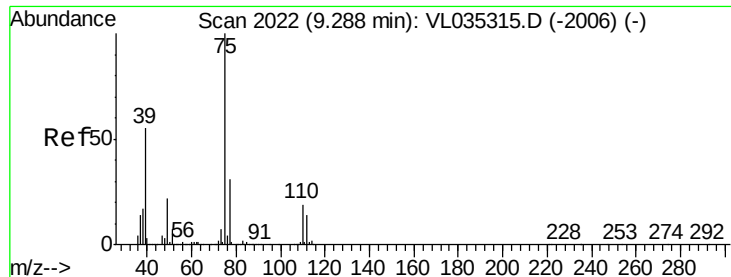
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#44
2,2,4-Trimethylpentane
Concen: 9.657 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VL035322.D
Acq: 3 Aug 2020 17:42

Tgt Ion	Ratio	Lower	Upper
57	100		
41	33.3	26.7	40.1
56	31.5	25.4	38.0





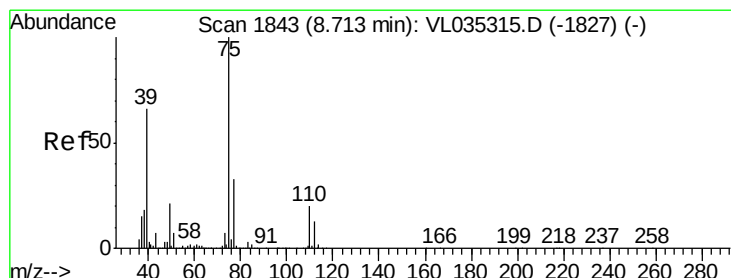
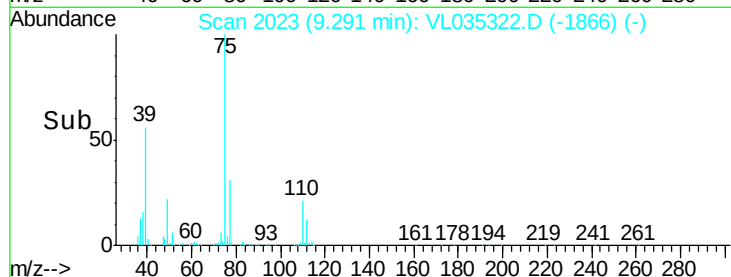
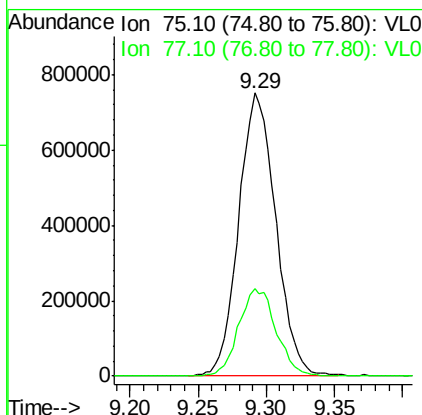
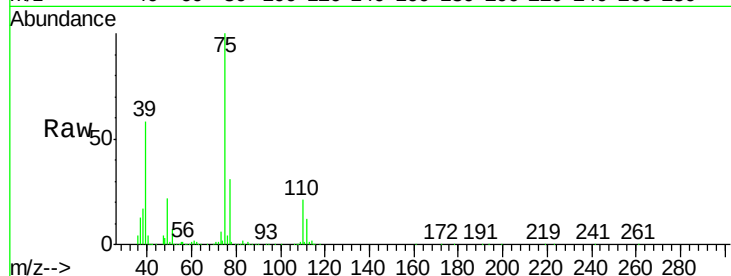
#45
t-1,3-Dichloropropene
Concen: 11.331 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. 0.00 min
Lab File: VL035322.D
Acq: 3 Aug 2020 17:42

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080320

Tot Ion: 75 Resp: 1415573
Ion Ratio Lower Upper
75 100
77 31.0 24.6 37.0

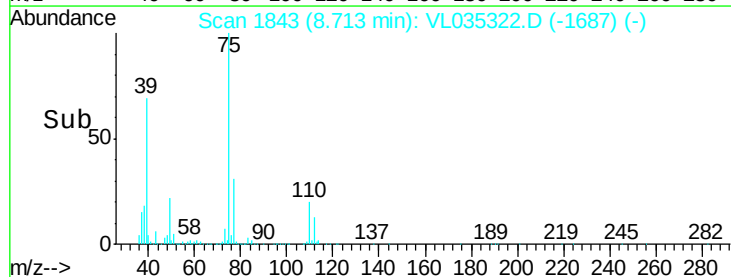
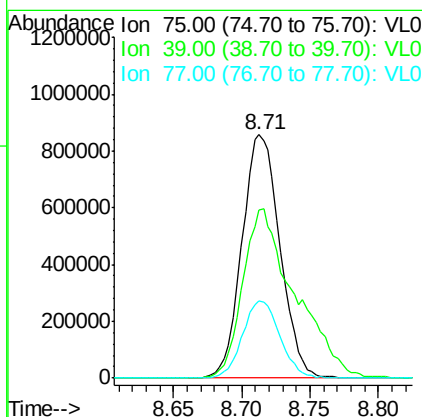
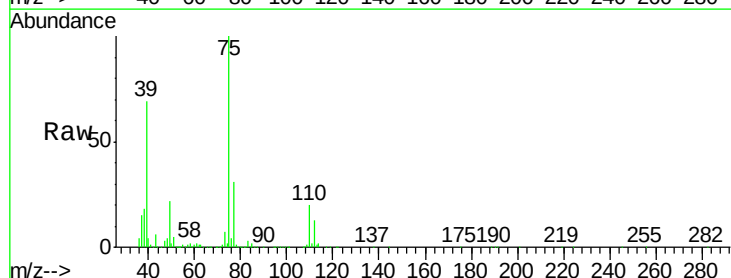
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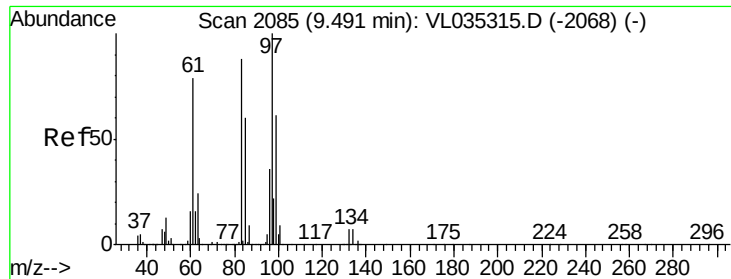
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#46
cis-1,3-Dichloropropene
Concen: 11.067 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VL035322.D
Acq: 3 Aug 2020 17:42

Tgt Ion: 75 Resp: 1655281
Ion Ratio Lower Upper
75 100
39 68.8 52.6 79.0
77 31.4 26.5 39.7





#47

1,1,2-Trichloroethane

Concen: 9.185 ppbv

RT: 9.49 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080320

Tot Ion: 97 Resp: 1176866

Ion Ratio Lower Upper

97 100

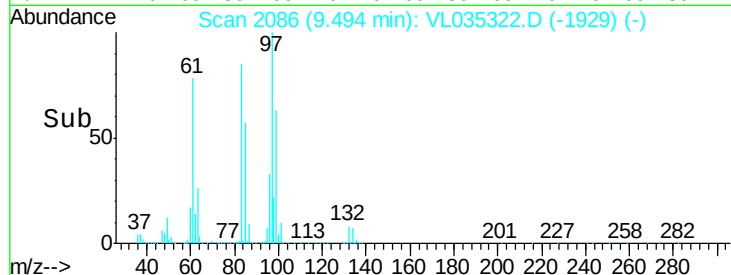
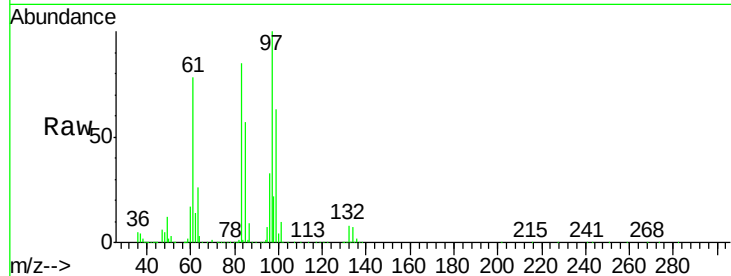
83 85.2 70.6 105.8

85 57.4 47.8 71.8

99 62.6 49.0 73.6

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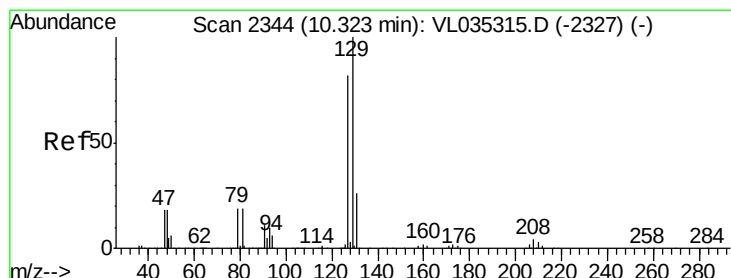
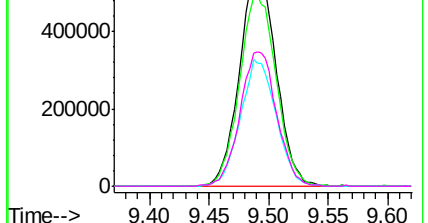


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 9.657 ppbv

RT: 10.32 min Scan# 2344

Delta R.T. 0.00 min

Lab File: VL035322.D

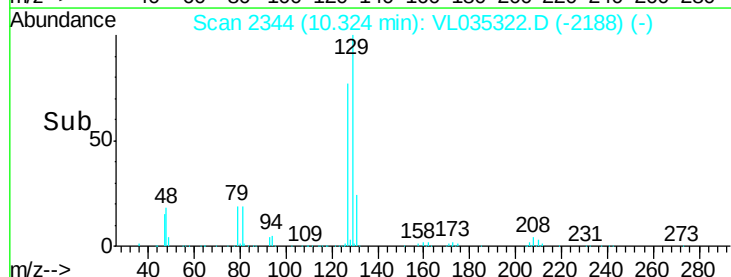
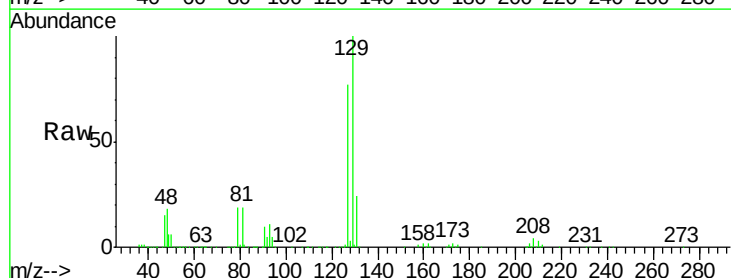
Acq: 3 Aug 2020 17:42

Tgt Ion: 129 Resp: 2013261

Ion Ratio Lower Upper

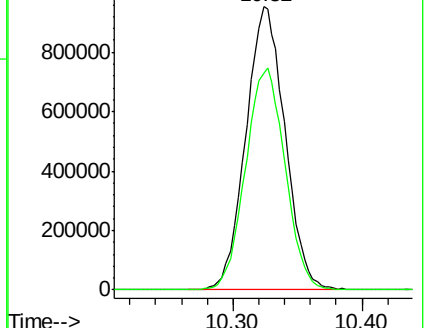
129 100

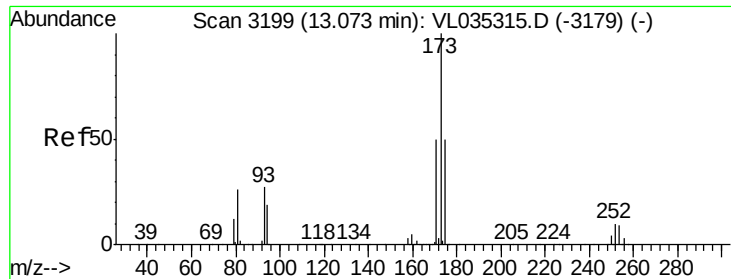
127 79.3 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.905 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080320

Tot Ion:173 Resp: 1798589

Ion Ratio Lower Upper

173 100

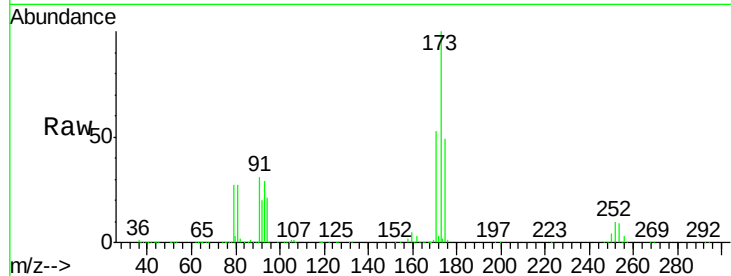
175 49.6 39.8 59.6

171 52.5 42.0 63.0

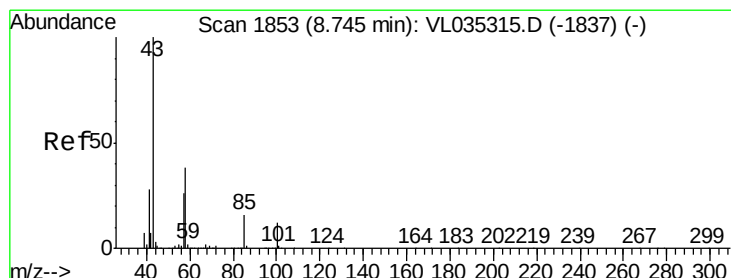
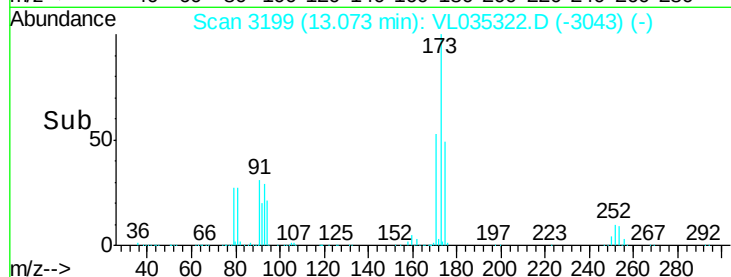
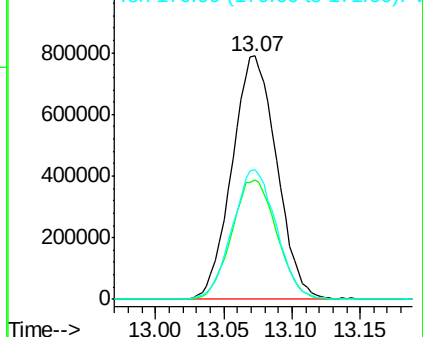
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.896 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VL035322.D

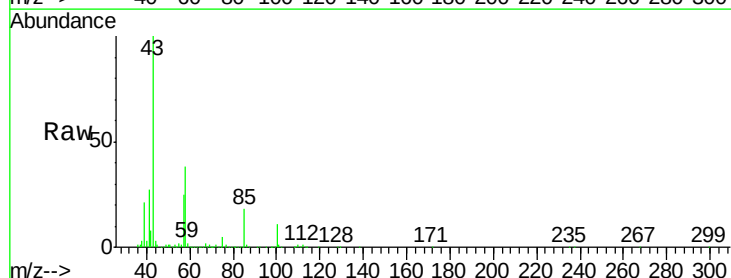
Acq: 3 Aug 2020 17:42

Tgt Ion: 43 Resp: 2811562

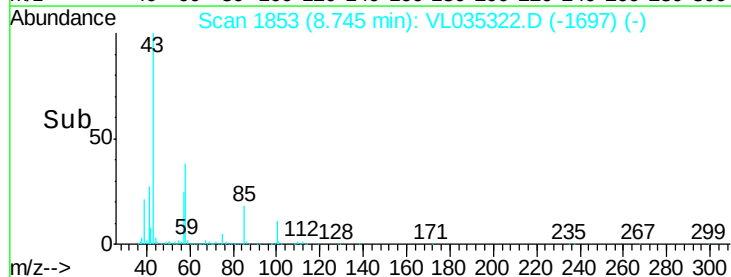
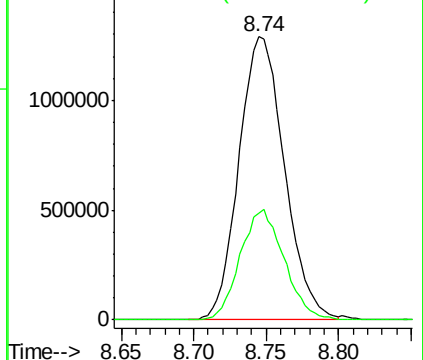
Ion Ratio Lower Upper

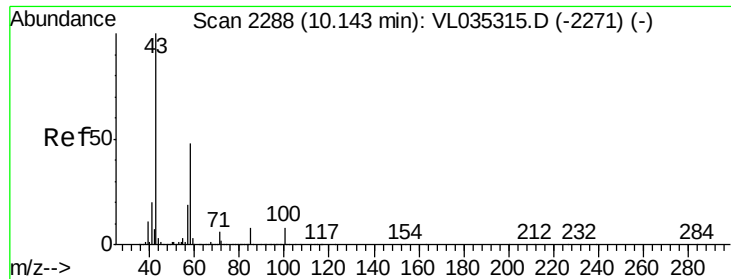
43 100

58 37.9 29.8 44.6



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





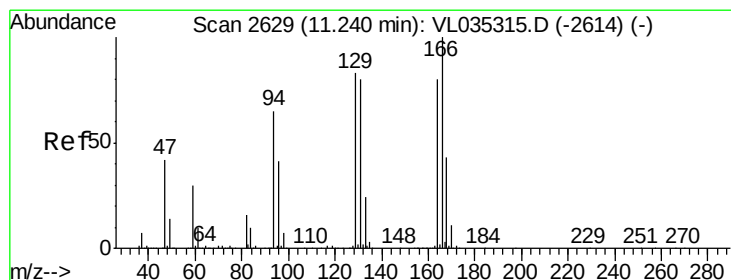
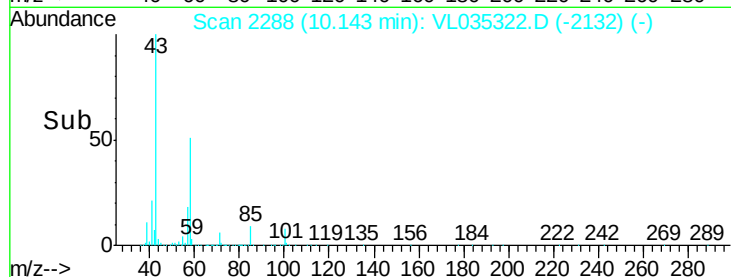
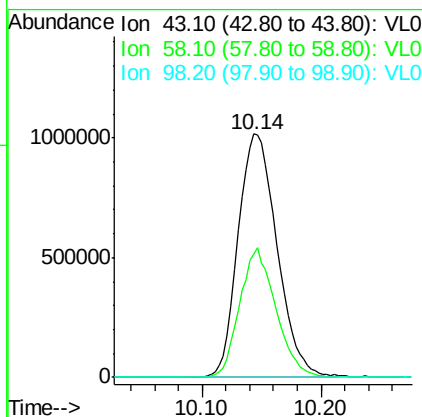
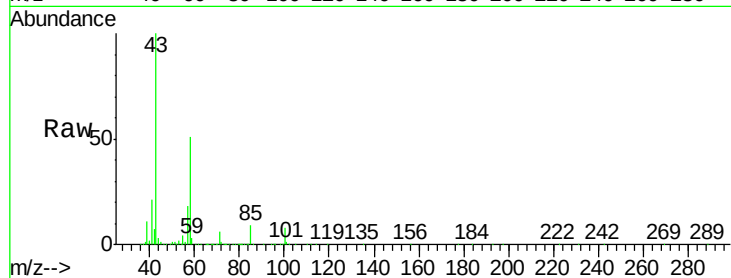
#51
2-Hexanone
Concen: 10.505 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. 0.00 min
Lab File: VL035322.D
Acq: 3 Aug 2020 17:42

Instrument :
MSVOA_L
ClientSampled :
ICVVL080320

Tot Ion: 43 Resp: 2309307
Ion Ratio Lower Upper
43 100
58 49.3 39.8 59.6
98 0.4 0.3 0.5

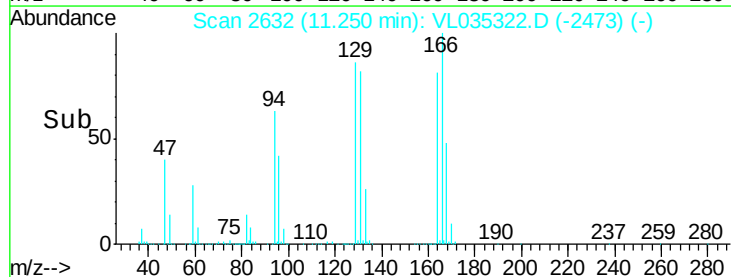
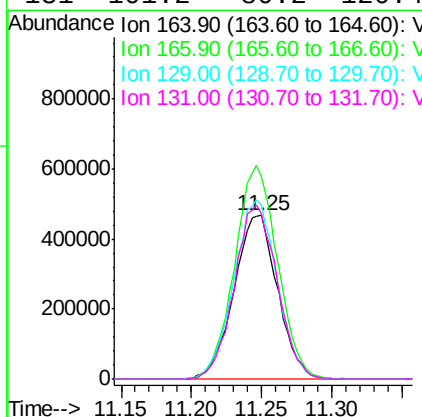
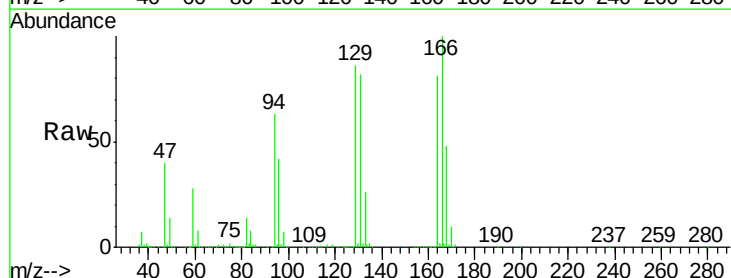
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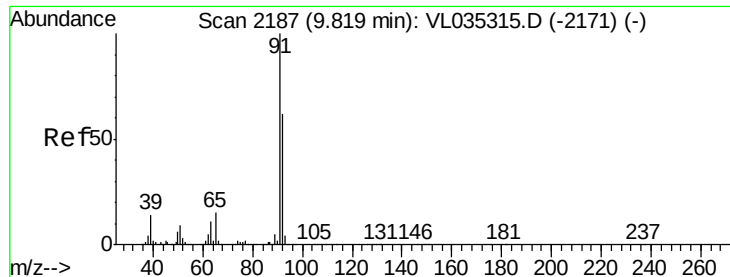
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#52
Tetrachloroethene
Concen: 10.188 ppbv
RT: 11.25 min Scan# 2632
Delta R.T. 0.01 min
Lab File: VL035322.D
Acq: 3 Aug 2020 17:42

Tgt Ion: 164 Resp: 1005397
Ion Ratio Lower Upper
164 100
166 124.2 100.2 150.2
129 106.1 82.7 124.1
131 101.2 80.2 120.4





#53

Toluene

Concen: 10.819 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080320

Tot Ion: 91 Resp: 3186940

Ion Ratio Lower Upper

91 100

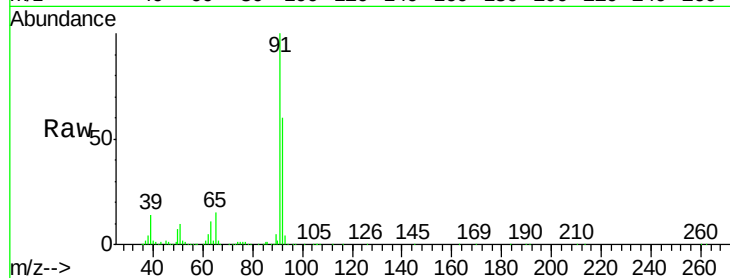
92 61.0 48.7 73.1

Manual Integrations

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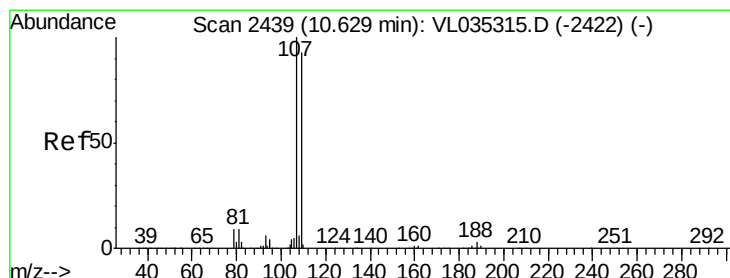
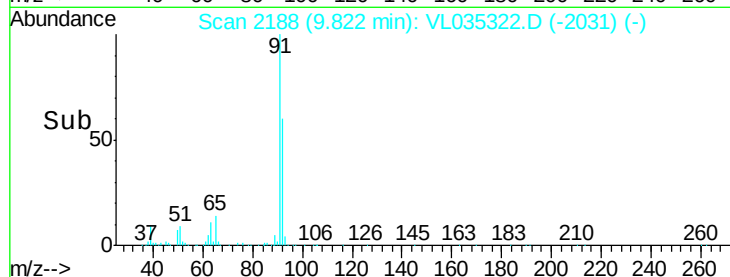
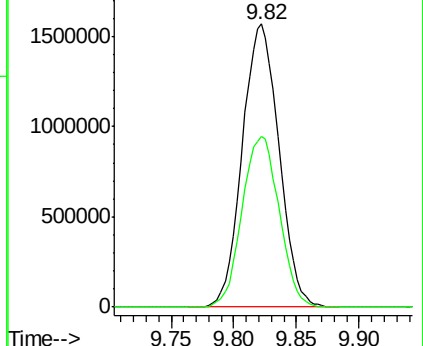
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.527 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.00 min

Lab File: VL035322.D

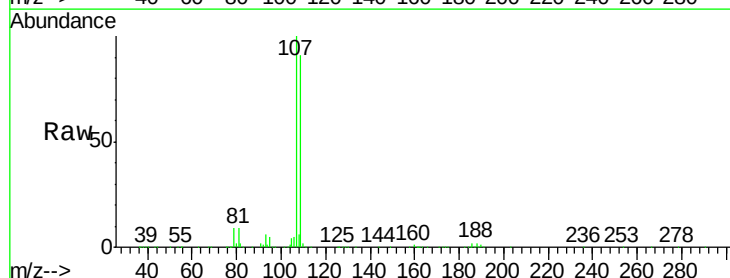
Acq: 3 Aug 2020 17:42

Tgt Ion:107 Resp: 1807057

Ion Ratio Lower Upper

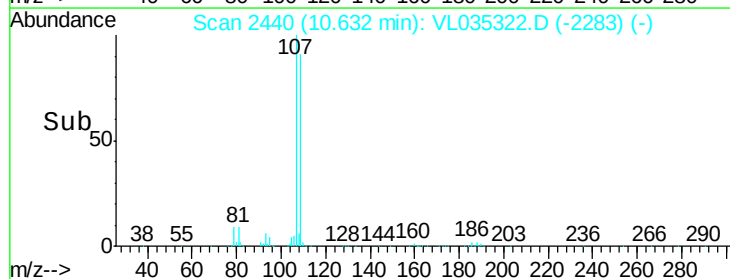
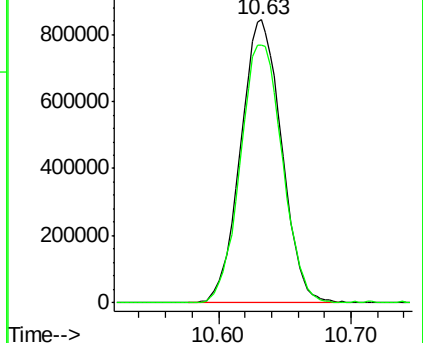
107 100

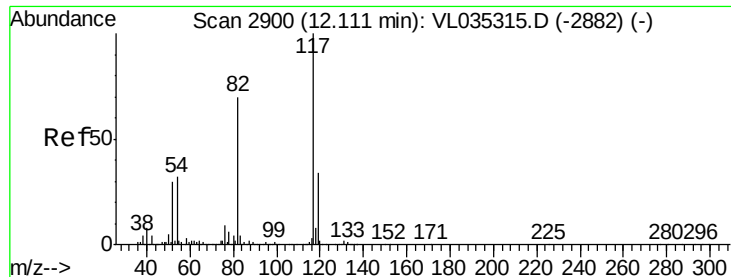
109 91.2 74.4 111.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080320

Tot Ion:117 Resp: 3894319

Ion Ratio Lower Upper

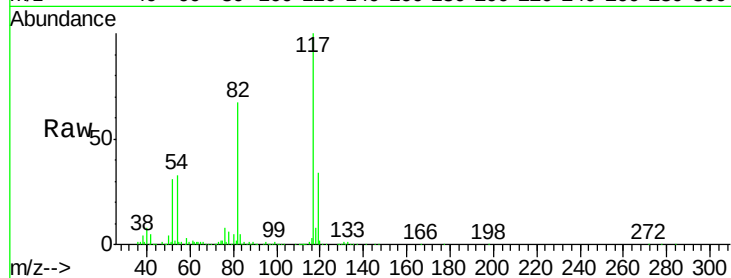
117 100

82 64.2 50.6 76.0

119 31.6 24.1 36.1

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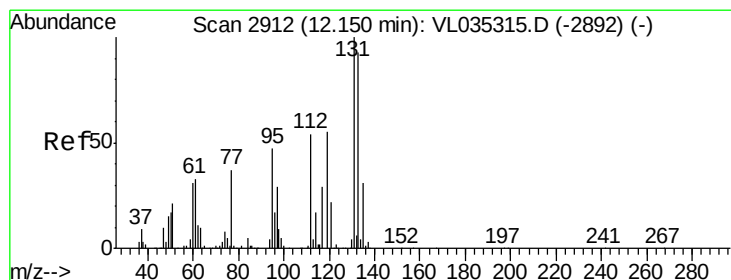
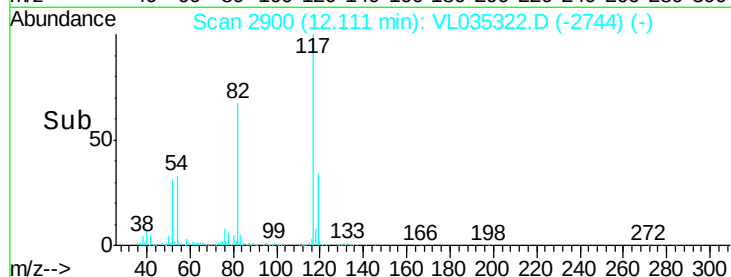
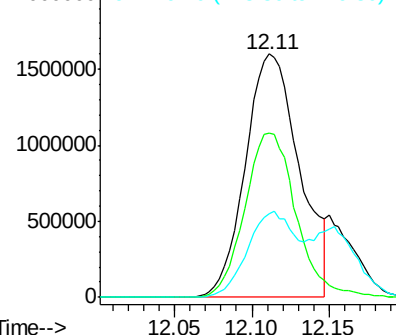
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.379 ppbv

RT: 12.16 min Scan# 2914

Delta R.T. 0.01 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

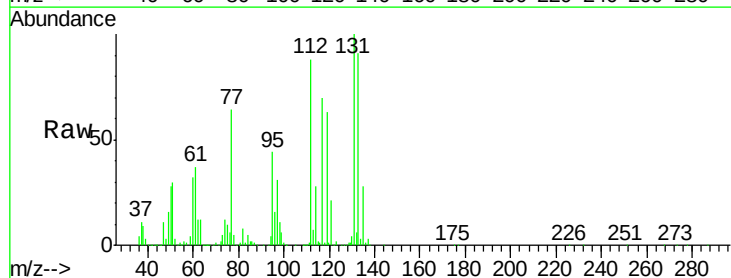
Tgt Ion:131 Resp: 1531395

Ion Ratio Lower Upper

131 100

133 95.1 75.5 113.3

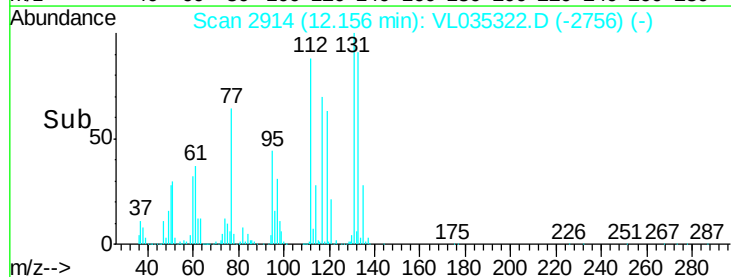
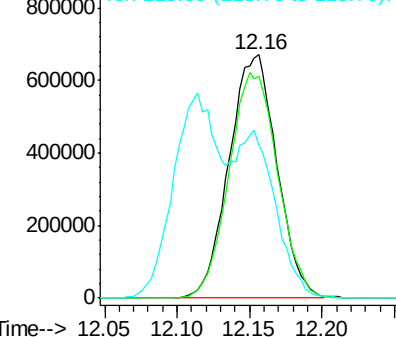
119 51.3 53.1 79.7#

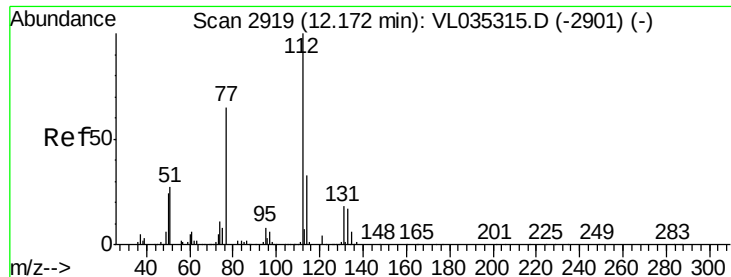


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.393 ppbv

RT: 12.17 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080320

Tot Ion:112 Resp: 2501588

Ion Ratio Lower Upper

112 100

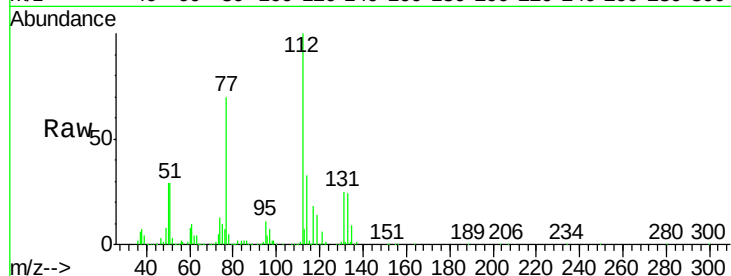
77 69.4 53.0 79.6

114 33.0 30.0 36.6

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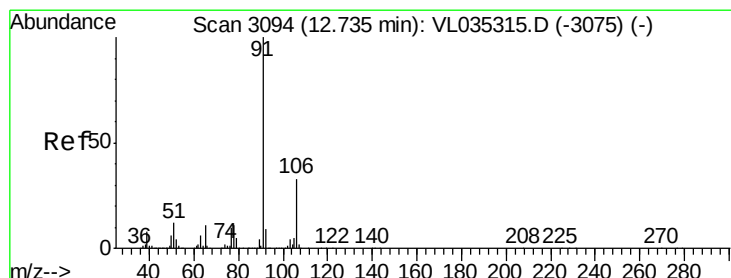
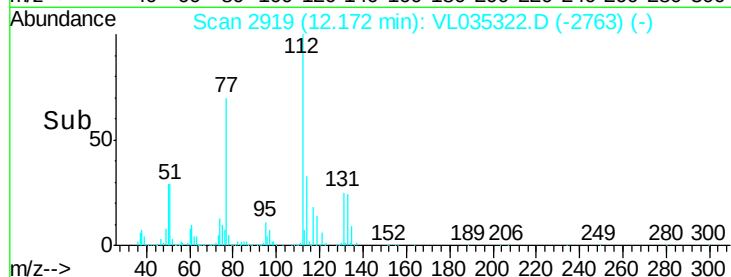
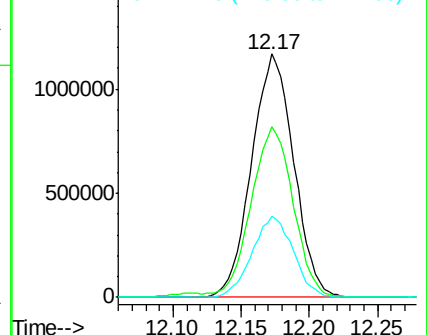
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.099 ppbv

RT: 12.73 min Scan# 3094

Delta R.T. 0.00 min

Lab File: VL035322.D

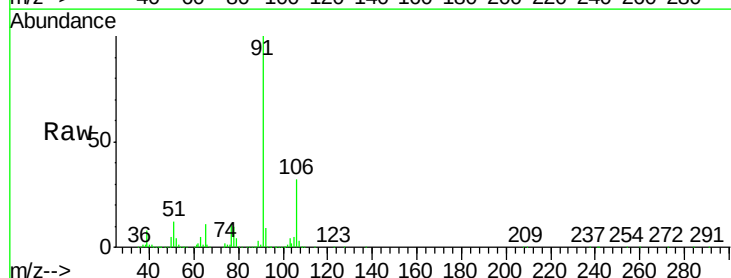
Acq: 3 Aug 2020 17:42

Tgt Ion: 91 Resp: 4308843

Ion Ratio Lower Upper

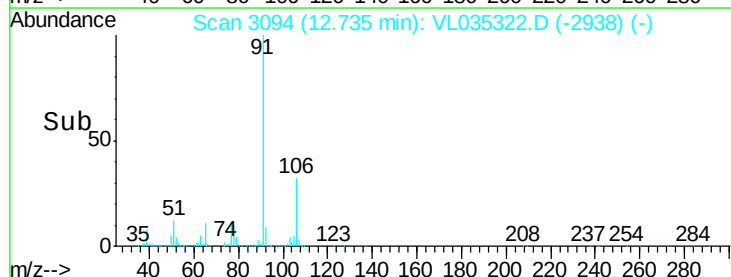
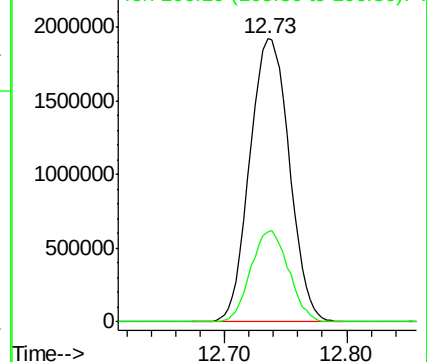
91 100

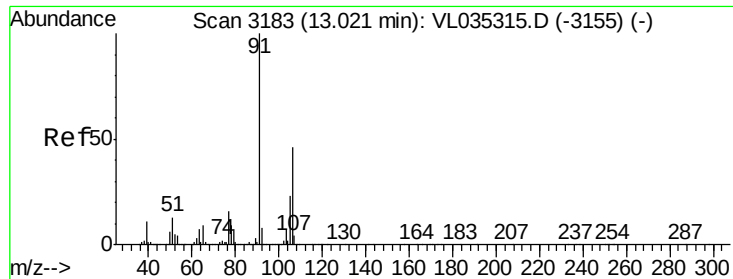
106 31.6 26.3 39.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





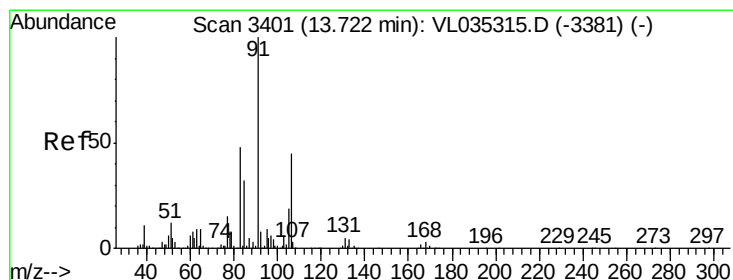
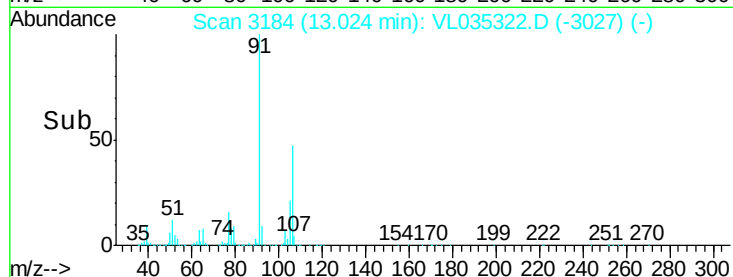
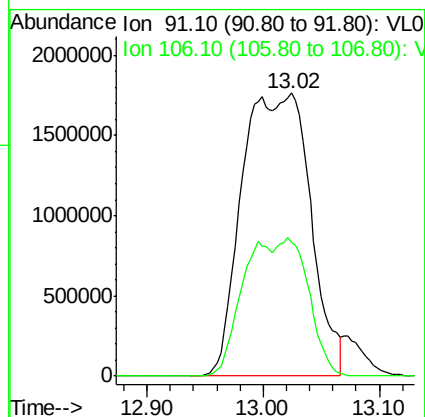
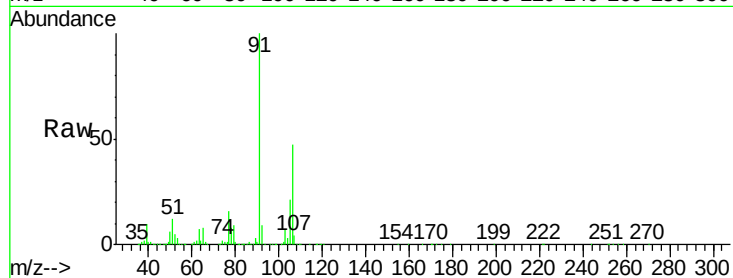
#59
m/p-Xylene
Concen: 18.280 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL035322.D
Acq: 3 Aug 2020 17:42

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080320

Tot Ion: 91 Resp: 7196893
Ion Ratio Lower Upper
91 100
106 46.1 36.6 55.0

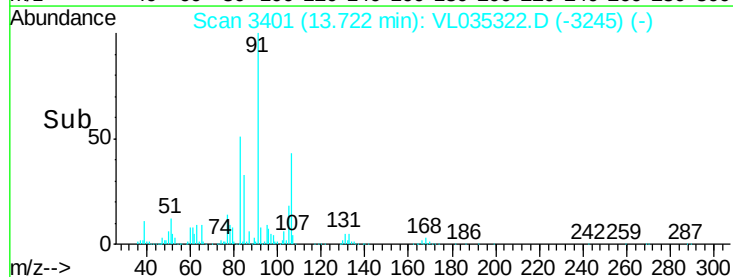
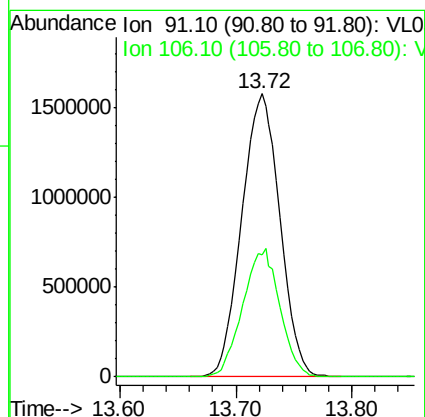
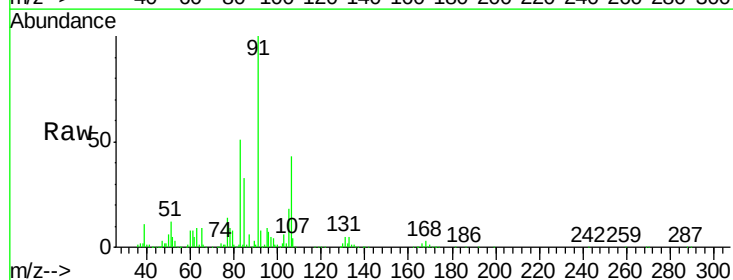
Manual Integrations
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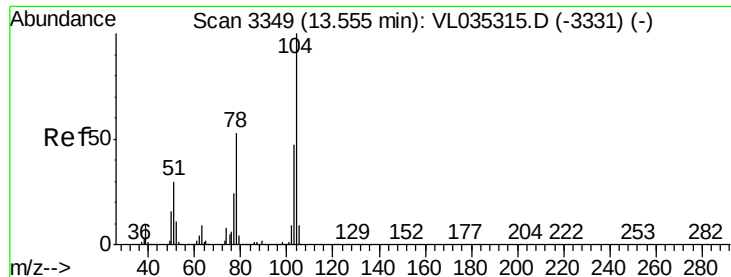
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#60
o-Xylene
Concen: 9.266 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VL035322.D
Acq: 3 Aug 2020 17:42

Tgt Ion: 91 Resp: 3606333
Ion Ratio Lower Upper
91 100
106 43.9 22.4 67.3





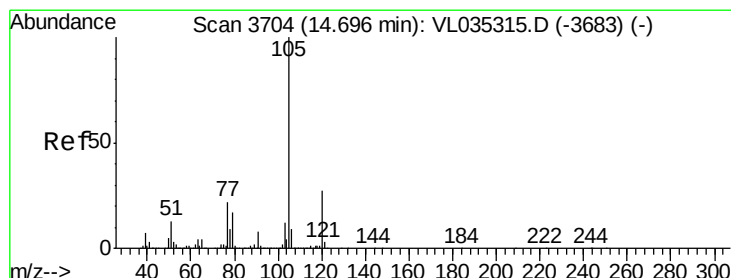
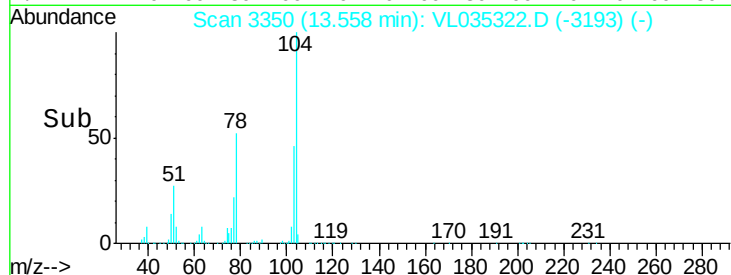
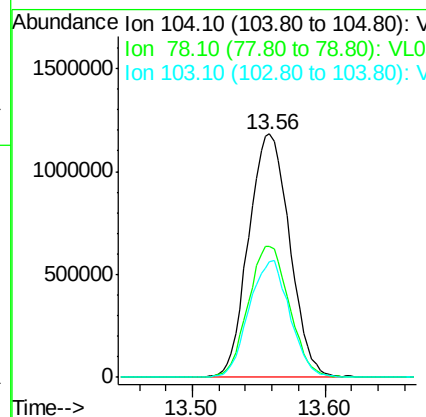
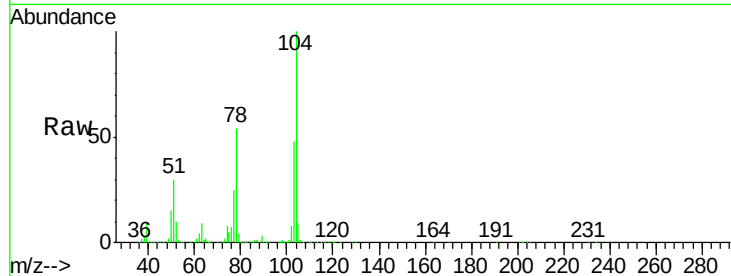
#61
Stvrene
Concen: 10.623 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. 0.00 min
Lab File: VL035322.D
Acq: 3 Aug 2020 17:42

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080320

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.2	43.1	64.7
103	47.8	37.6	56.4

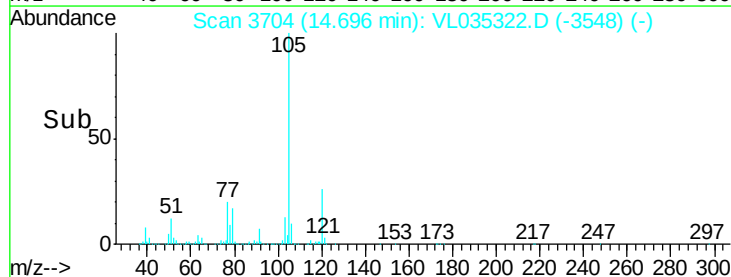
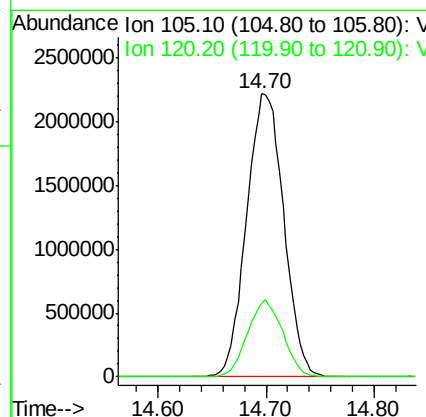
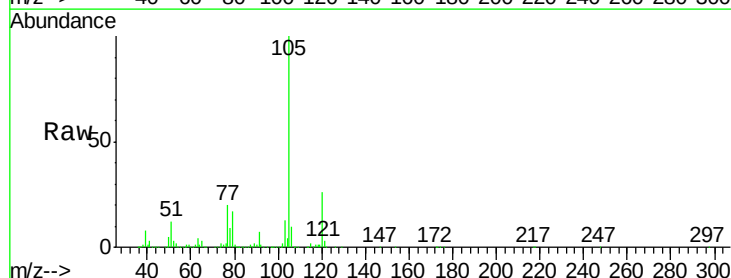
Manual Integrations
APPROVED

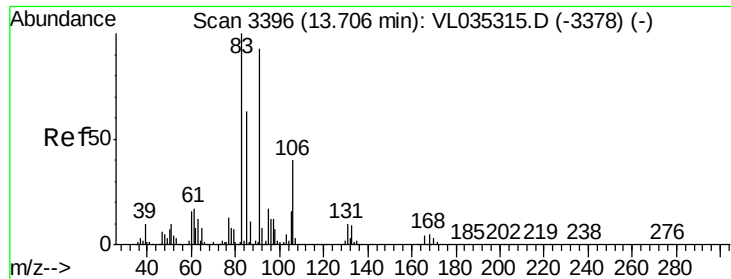
apatel
8/6/2020 2:45:05 PM



#62
Isopropylbenzene
Concen: 9.044 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. 0.00 min
Lab File: VL035322.D
Acq: 3 Aug 2020 17:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	21.0	31.4





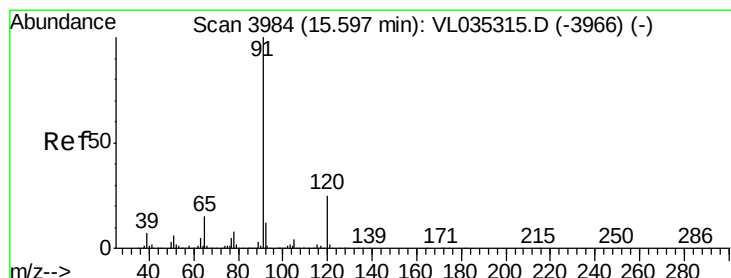
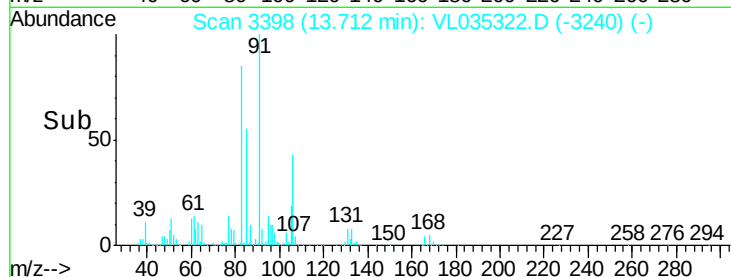
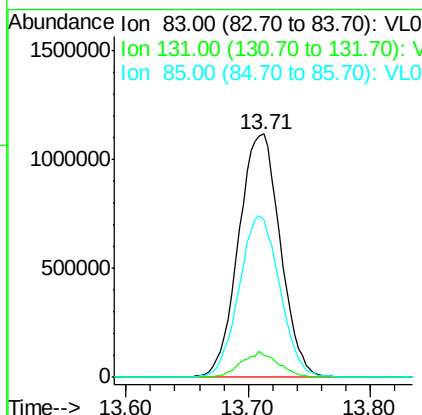
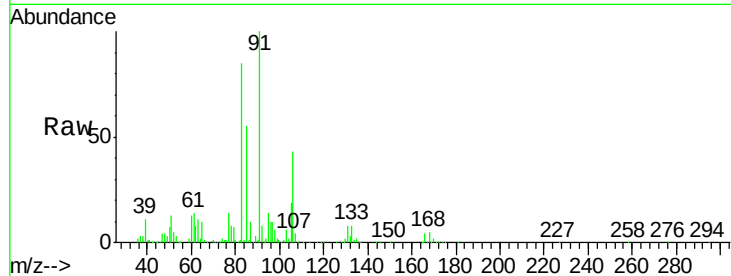
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.613 ppbv
 RT: 13.71 min Scan# 3398
 Delta R.T. 0.01 min
 Lab File: VL035322.D
 Acq: 3 Aug 2020 17:42

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL080320

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.6	13.8
85	65.1	32.6	97.7

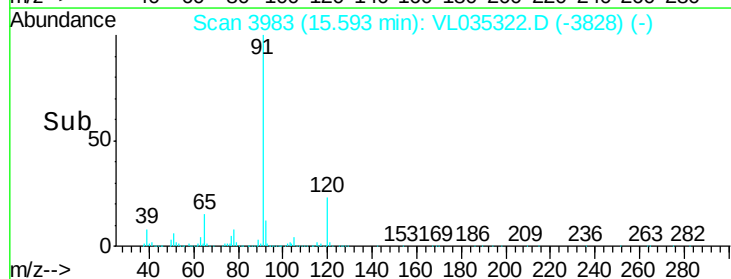
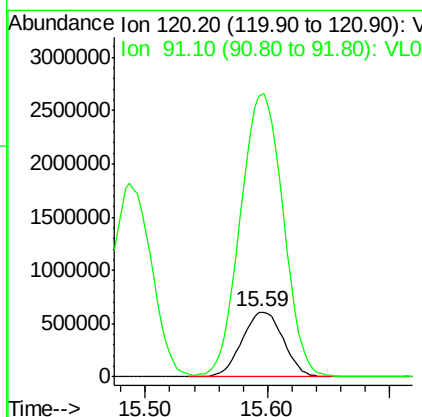
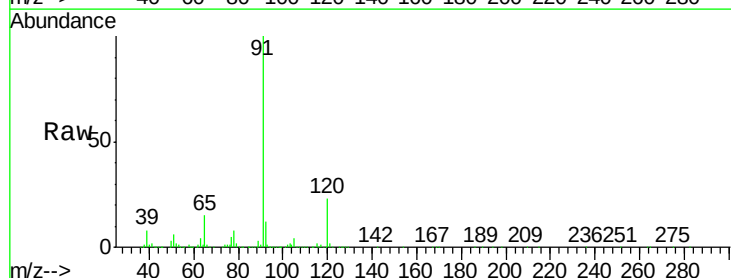
Manual Integrations
 APPROVED

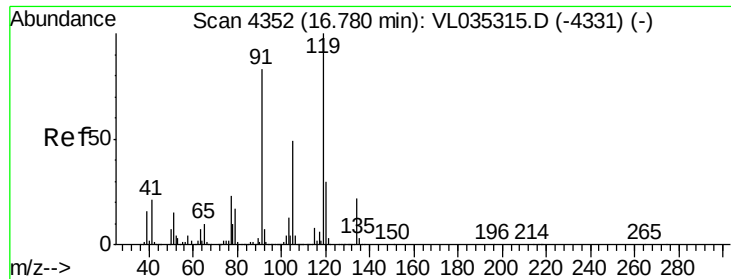
apatel
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#64
 n-propylbenzene
 Concen: 9.300 ppbv
 RT: 15.59 min Scan# 3983
 Delta R.T. -0.00 min
 Lab File: VL035322.D
 Acq: 3 Aug 2020 17:42

Tgt Ion	Ratio	Lower	Upper
120	100		
91	450.6	359.3	538.9





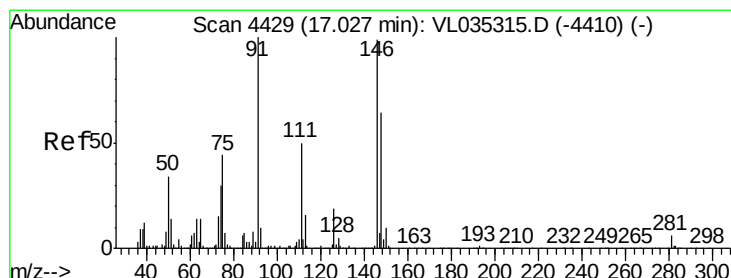
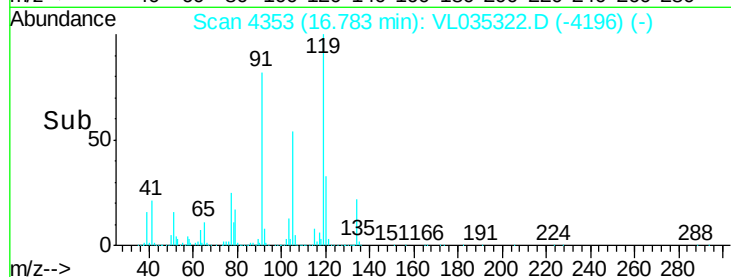
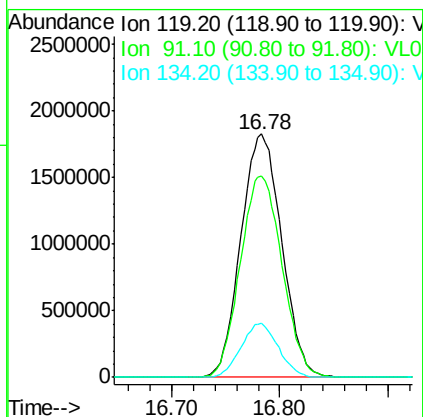
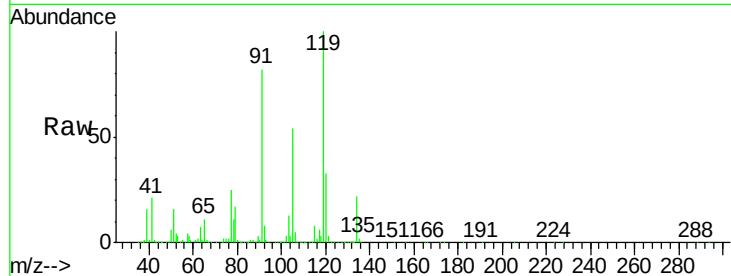
#65
tert-Butylbenzene
Concen: 9.143 ppbv
RT: 16.78 min Scan# 4353
Delta R.T. 0.00 min
Lab File: VL035322.D
Acq: 3 Aug 2020 17:42

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080320

Tot Ion	Ion	Ratio	Lower	Upper
119	100			
91	85.0	67.8	101.8	
134	20.4	16.1	24.1	

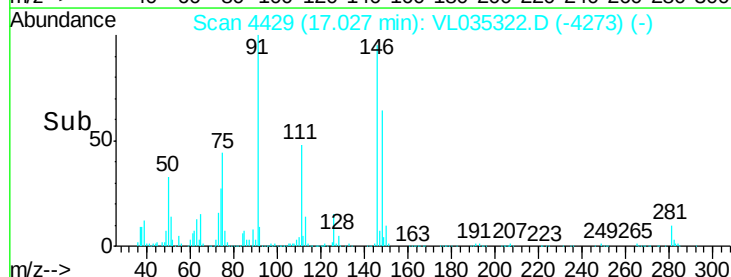
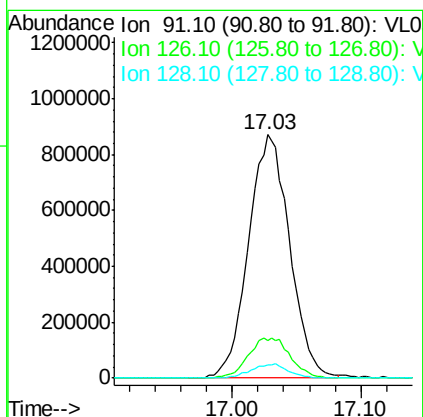
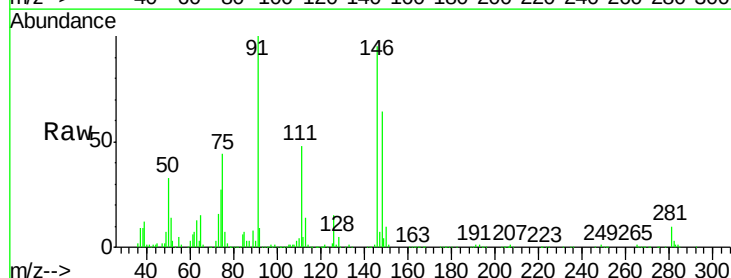
Manual Integrations
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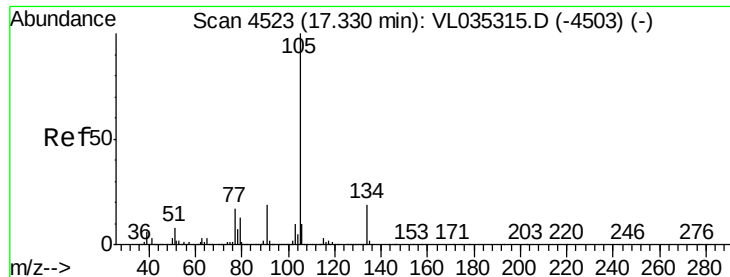
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#66
Benzyl Chloride
Concen: 9.524 ppbv
RT: 17.03 min Scan# 4429
Delta R.T. 0.00 min
Lab File: VL035322.D
Acq: 3 Aug 2020 17:42

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
126	16.9	13.8	20.8	
128	5.3	4.2	6.4	





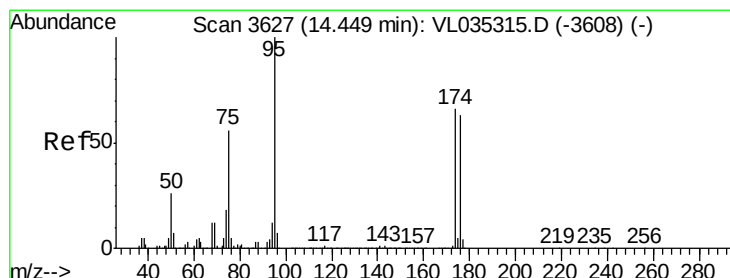
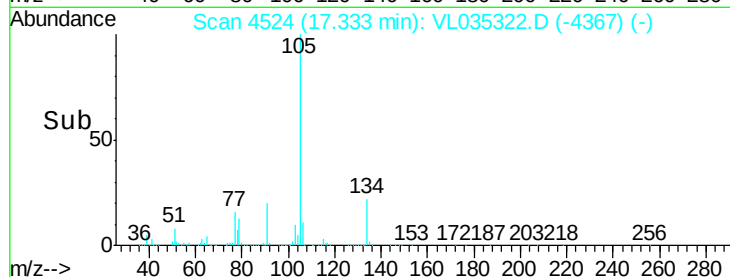
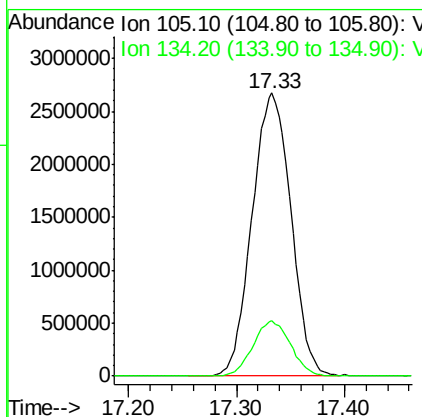
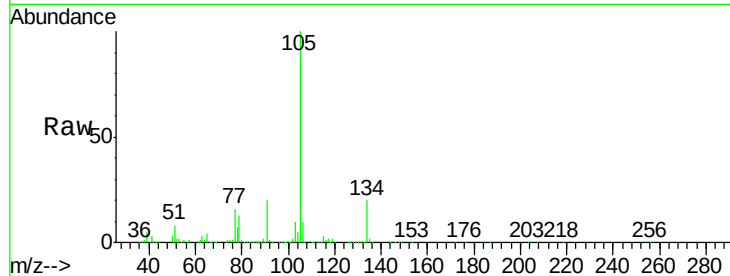
#67
 sec-Butylbenzene
 Concen: 8.988 ppbv
 RT: 17.33 min Scan# 4524
 Delta R.T. 0.00 min
 Lab File: VL035322.D
 Acq: 3 Aug 2020 17:42

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL080320

Tot Ion: 105 Resp: 6681497
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.1 22.7

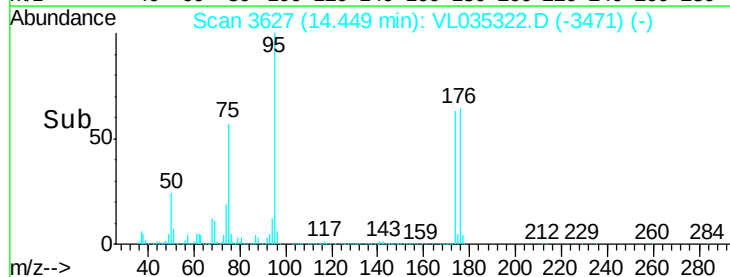
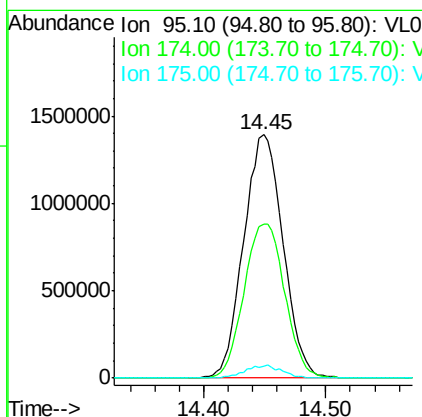
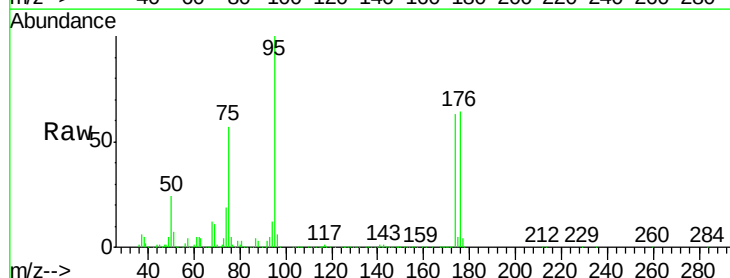
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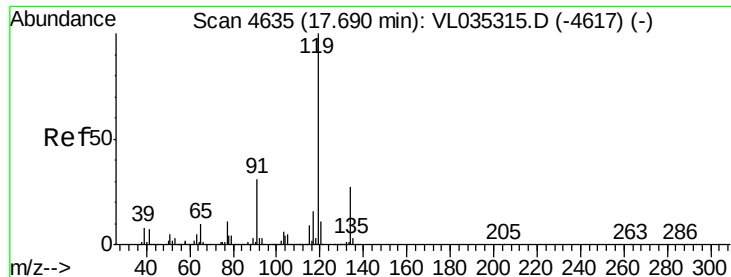
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.517 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. 0.00 min
 Lab File: VL035322.D
 Acq: 3 Aug 2020 17:42

Tgt Ion: 95 Resp: 3104498
 Ion Ratio Lower Upper
 95 100
 174 65.7 52.5 78.7
 175 5.0 3.9 5.9





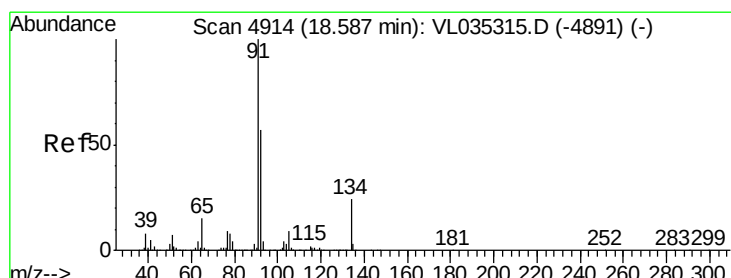
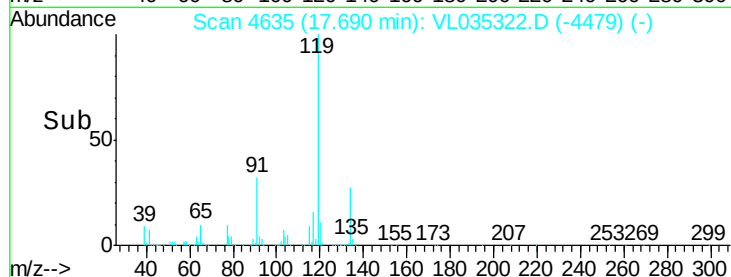
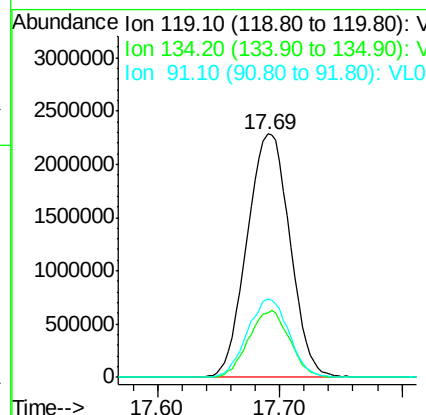
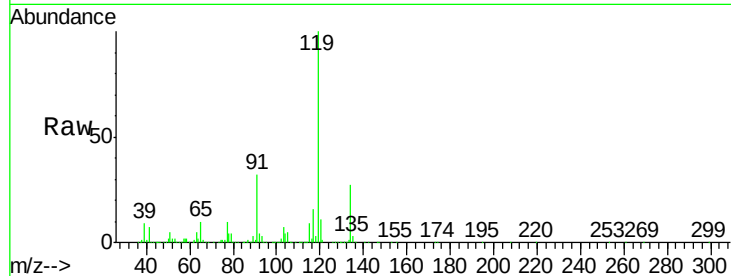
#69
 p-Isopropyltoluene
 Concen: 9.030 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. 0.00 min
 Lab File: VL035322.D
 Acq: 3 Aug 2020 17:42

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL080320

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.4	21.2	31.8
91	31.4	25.3	37.9

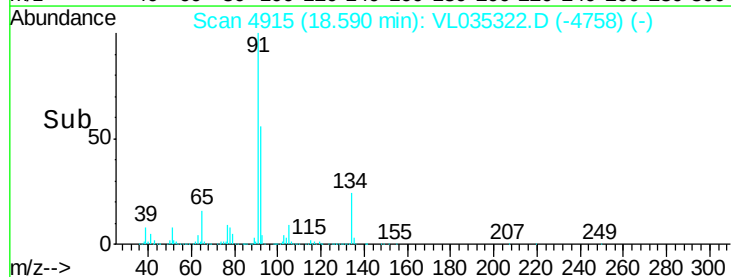
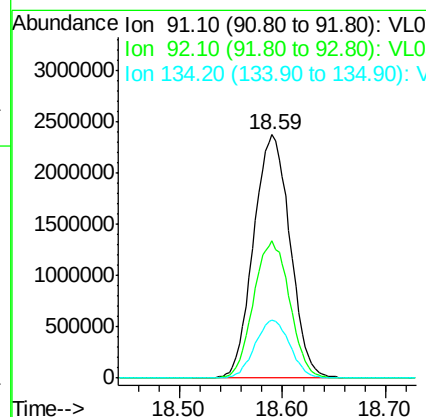
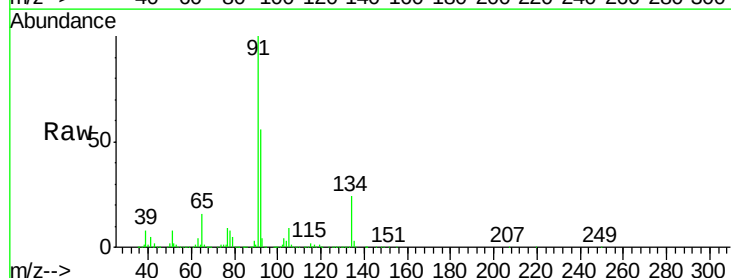
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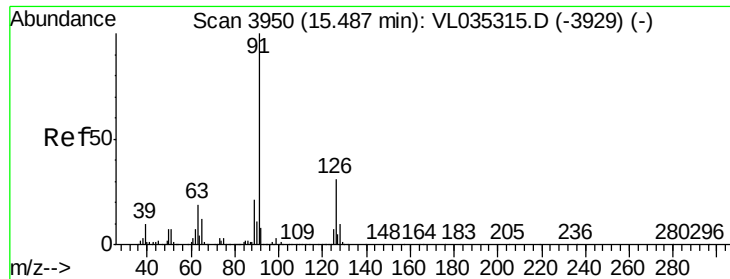
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#70
 n-Butylbenzene
 Concen: 8.798 ppbv
 RT: 18.59 min Scan# 4915
 Delta R.T. 0.00 min
 Lab File: VL035322.D
 Acq: 3 Aug 2020 17:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.8	44.6	66.8
134	22.9	18.6	27.8





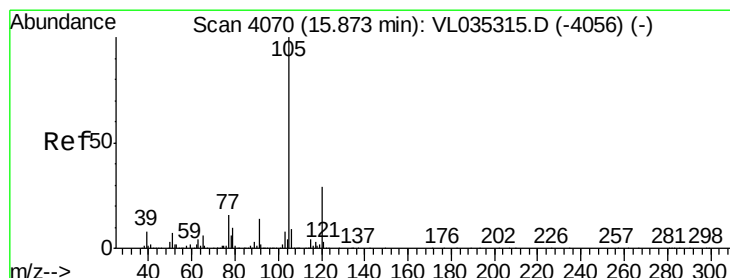
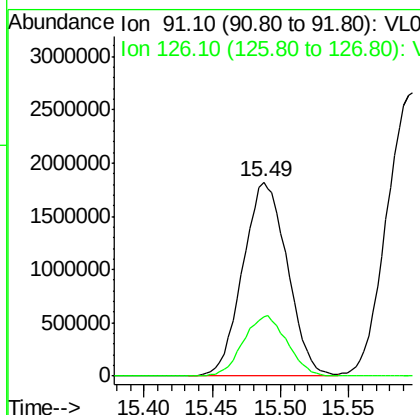
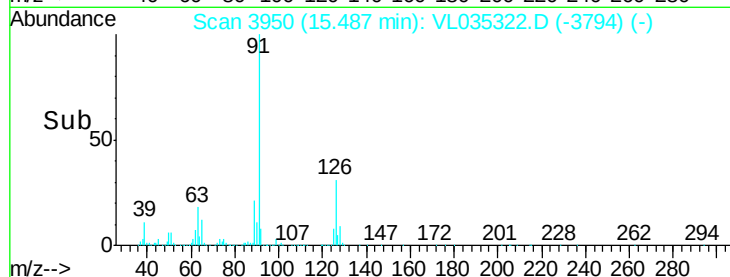
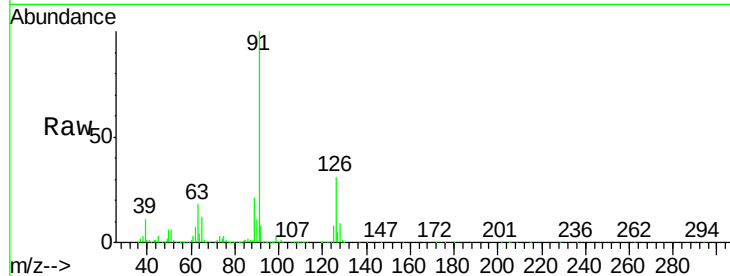
#71
 2-Chlorotoluene
 Concen: 9.386 ppbv
 RT: 15.49 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VL035322.D
 Acq: 3 Aug 2020 17:42

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL080320

Tot Ion: 91 Resp: 4112939
 Ion Ratio Lower Upper
 91 100
 126 30.8 12.3 49.3

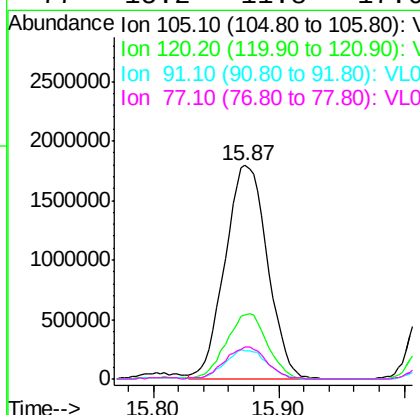
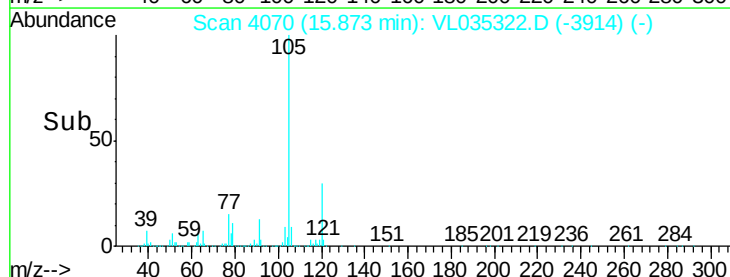
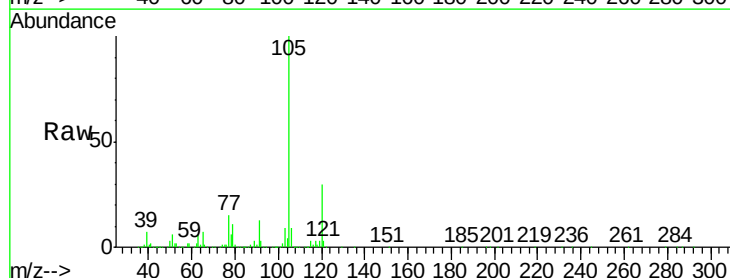
Manual Integrations
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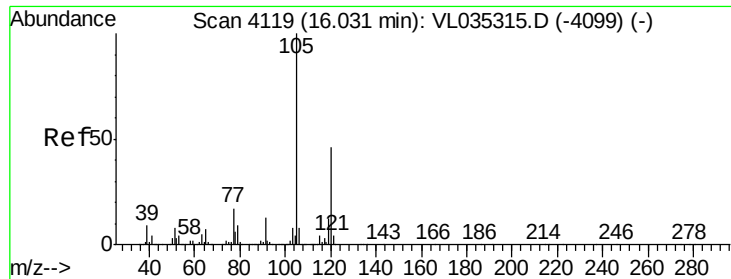
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#72
 4-Ethyltoluene
 Concen: 9.580 ppbv
 RT: 15.87 min Scan# 4070
 Delta R.T. 0.00 min
 Lab File: VL035322.D
 Acq: 3 Aug 2020 17:42

Tgt Ion: 105 Resp: 4206874
 Ion Ratio Lower Upper
 105 100
 120 30.5 23.6 35.4
 91 13.6 11.3 16.9
 77 15.2 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 9.314 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080320

Tot Ion:105 Resp: 4006876

Ion Ratio Lower Upper

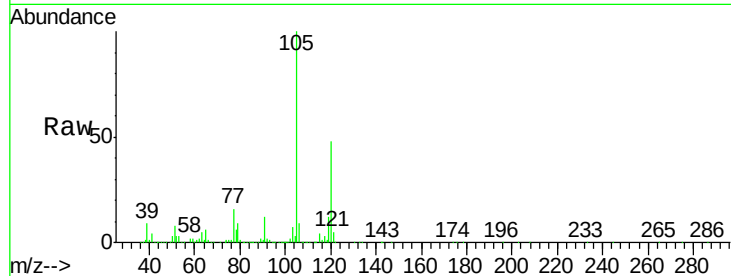
105 100

120 47.7 36.6 54.8

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

1000000

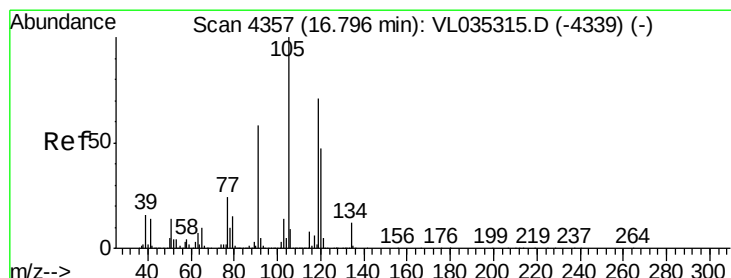
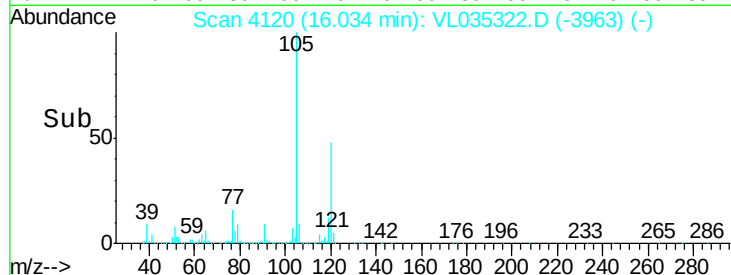
500000

0

16.03

15.90 16.00 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.556 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. 0.01 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

Tgt Ion:105 Resp: 4219988

Ion Ratio Lower Upper

105 100

120 48.4 38.0 57.0

91 47.0 47.9 71.9#

77 22.8 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

2500000

2000000

1500000

1000000

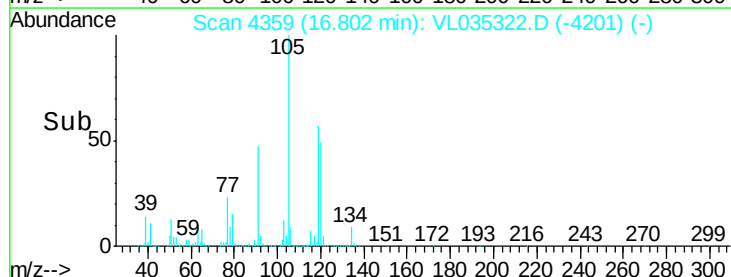
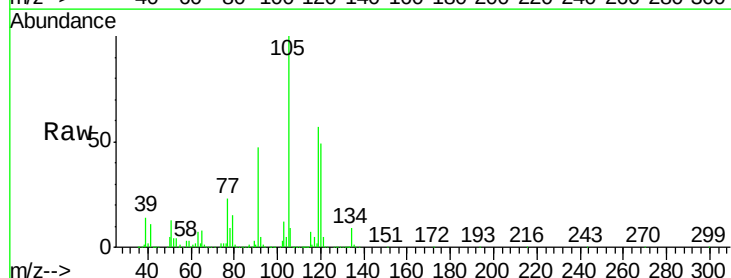
500000

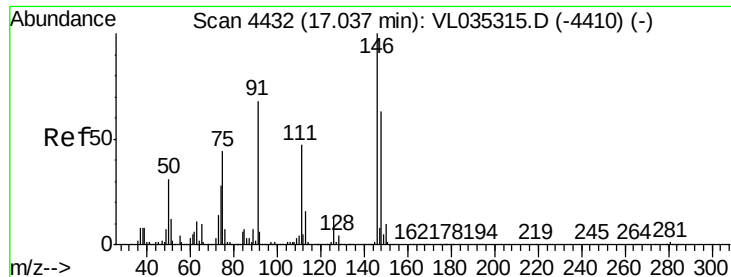
0

16.80

16.70 16.80 16.90

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.935 ppbv

RT: 17.04 min Scan# 4432

Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

Instrument :

MSVOA_L

ClientSampled :

ICVVL080320

Tot Ion:146 Resp: 2434449

Ion Ratio Lower Upper

146 100

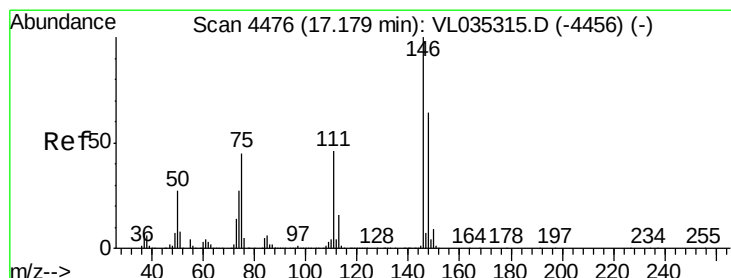
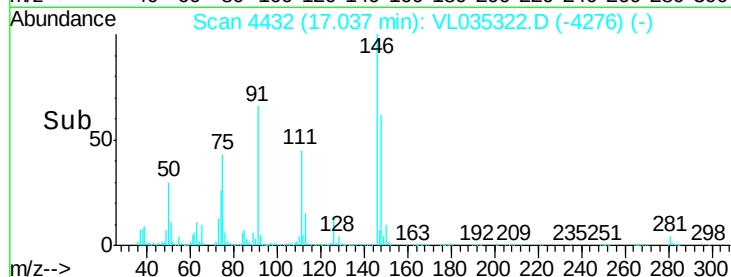
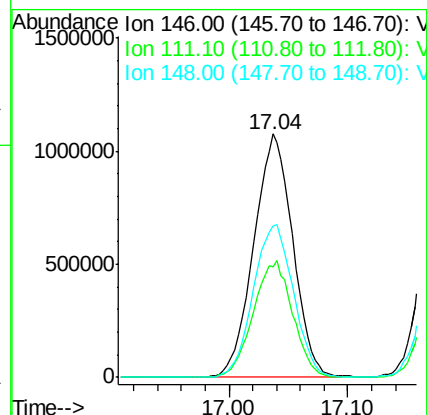
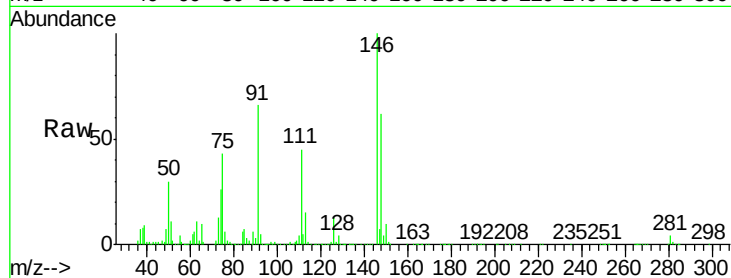
111 48.4 24.2 72.6

148 64.9 32.4 97.0

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 8.353 ppbv

RT: 17.18 min Scan# 4477

Delta R.T. 0.00 min

Lab File: VL035322.D

Acq: 3 Aug 2020 17:42

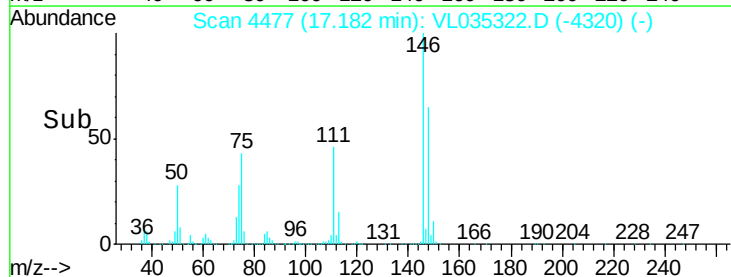
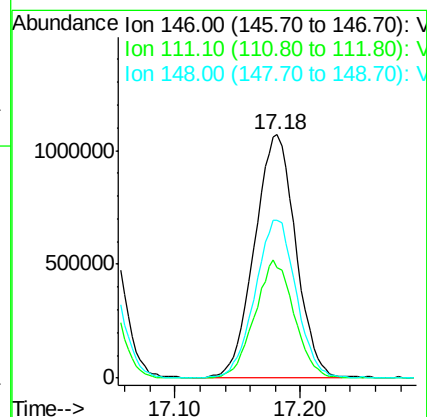
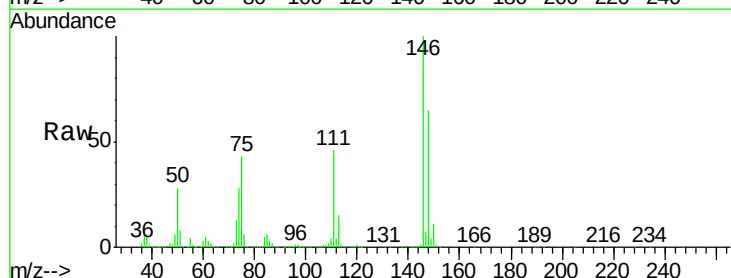
Tgt Ion:146 Resp: 2425734

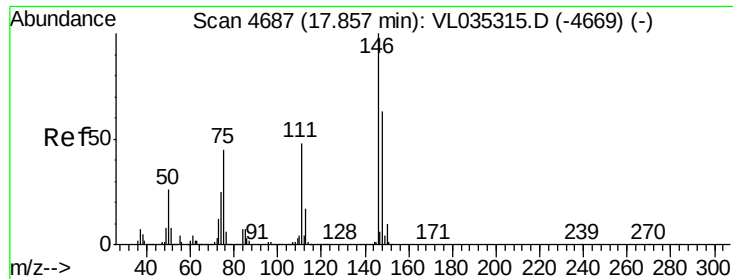
Ion Ratio Lower Upper

146 100

111 46.6 23.6 70.8

148 65.6 32.8 98.4





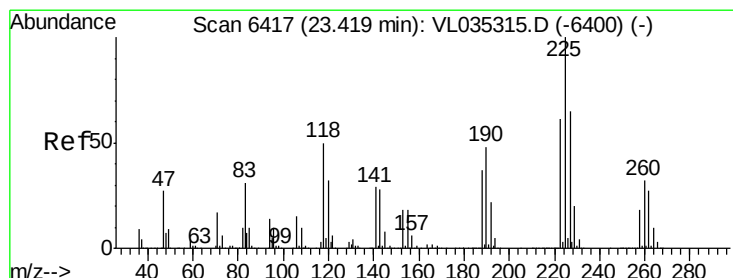
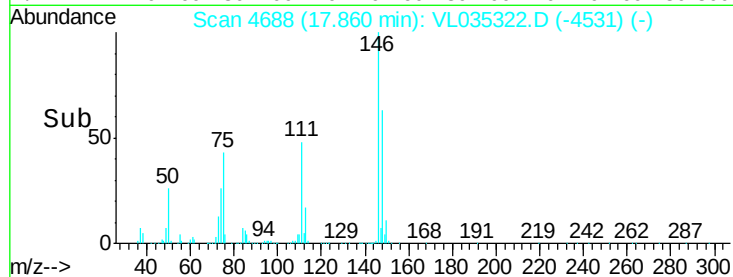
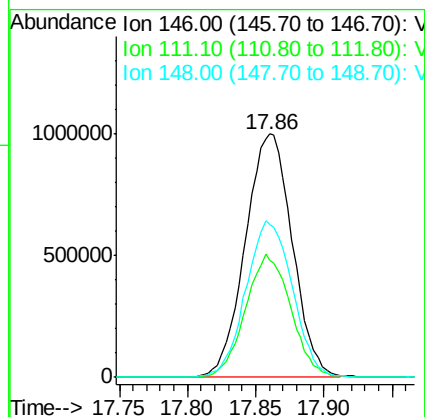
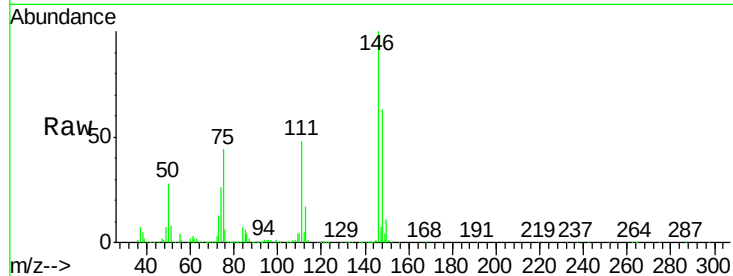
#77
 1,2-Dichlorobenzene
 Concen: 8.385 ppbv
 RT: 17.86 min Scan# 4688
 Delta R.T. 0.00 min
 Lab File: VL035322.D
 Acq: 3 Aug 2020 17:42

Instrument :
 MSVOA_L
 ClientSampled :
 ICVVL080320

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.0	24.6	73.6
148	64.1	32.3	96.8

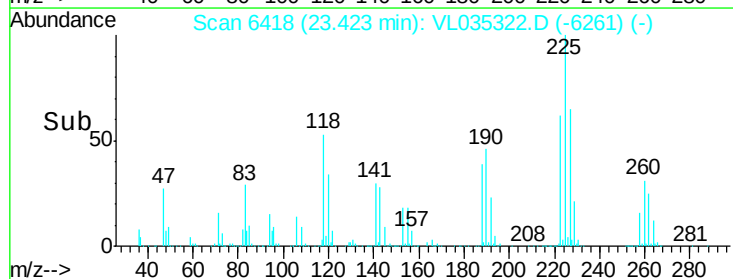
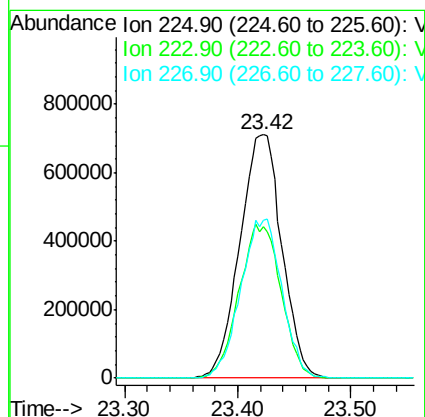
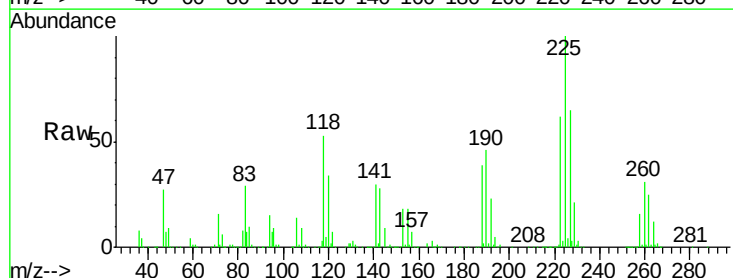
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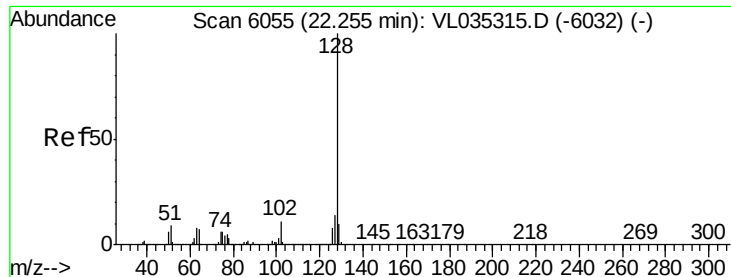
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.992 ppbv
 RT: 23.42 min Scan# 6418
 Delta R.T. 0.00 min
 Lab File: VL035322.D
 Acq: 3 Aug 2020 17:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.2	75.4
227	64.0	52.7	79.1





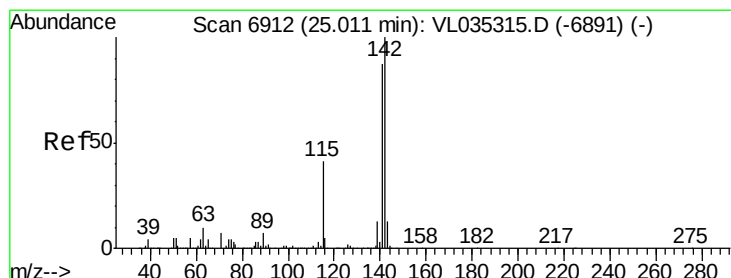
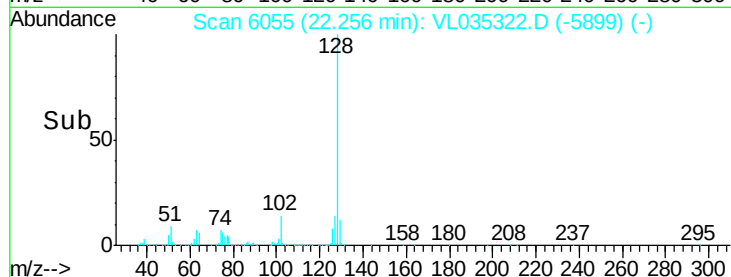
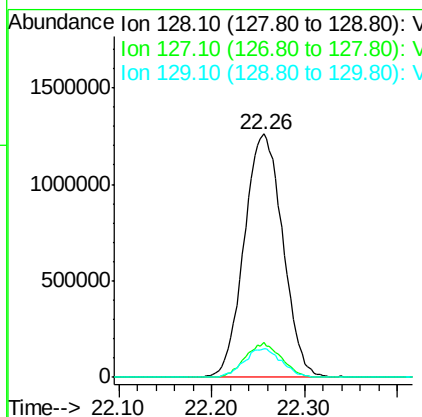
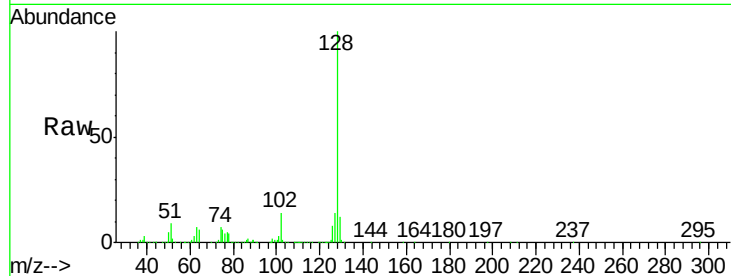
#79
Naphthalene
Concen: 9.331 ppbv
RT: 22.26 min Scan# 6055
Delta R.T. 0.00 min
Lab File: VL035322.D
Acq: 3 Aug 2020 17:42

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080320

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.8	16.2
129	11.8	8.4	12.6

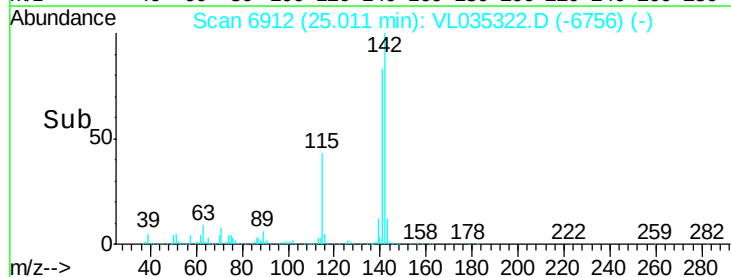
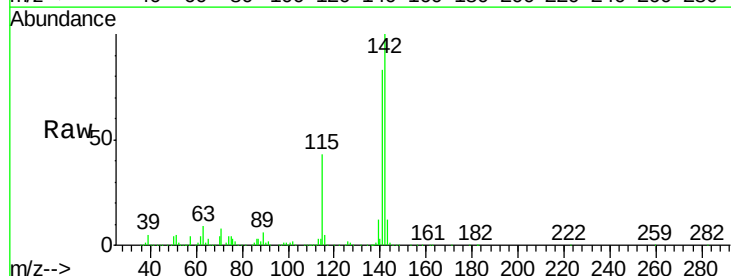
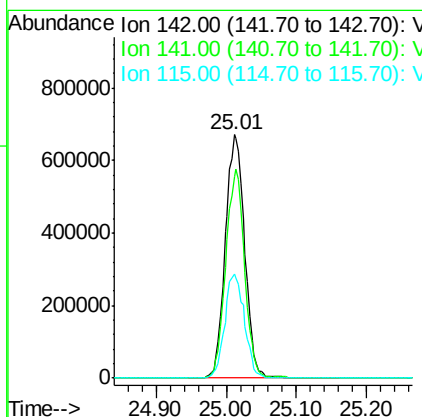
Manual Integrations
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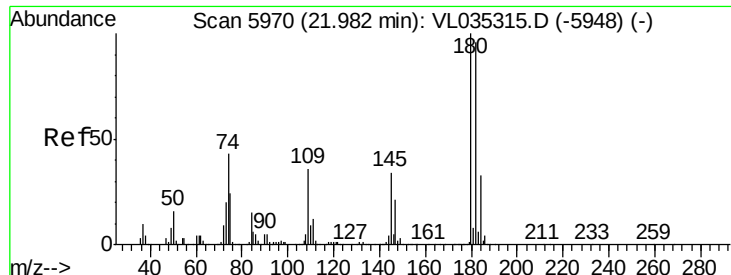
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#80
Naphthalene, 2-methyl-
Concen: 11.258 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. 0.00 min
Lab File: VL035322.D
Acq: 3 Aug 2020 17:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.5	68.3	102.5
115	43.7	35.0	52.4





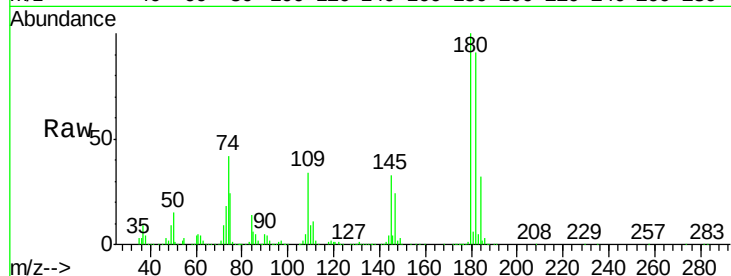
#81
 1,2,4-Trichlorobenzene
 Concen: 8.541 ppbv
 RT: 21.99 min Scan# 5971
 Delta R.T. 0.00 min
 Lab File: VL035322.D
 Acq: 3 Aug 2020 17:42

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL080320

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.9	115.3
184	31.3	25.0	37.6

Manual Integrations
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apatel
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Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

