

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081020\
 Data File : VL035378.D
 Acq On : 11 Aug 2020 7:59
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
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 8/17/2020 3:27:41 PM

Quant Time: Aug 11 20:48:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 0
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1279155	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3201751	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3289516m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2613590	9.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1677595	9.860	ppbv 100
3) Chlorodifluoromethane	2.94	51	1462931	10.019	ppbv 98
4) Chloromethane	3.10	50	814035	9.847	ppbv 99
5) Vinyl Chloride	3.21	62	845401	9.942	ppbv 99
6) Bromomethane	3.43	94	536977	10.308	ppbv 100
7) Chloroethane	3.52	64	317894	10.066	ppbv 91
8) Dichlorotetrafluoroethane	3.14	85	2001964	9.955	ppbv 100
9) Propene	2.96	41	573245	11.017	ppbv 100
10) Heptane	8.13	43	1596329	12.011	ppbv 99
11) Trichlorofluoromethane	3.92	101	2148245	9.745	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1541505	9.784	ppbv 100
13) Ethanol	3.57	45	178526	9.948	ppbv 93
14) Bromoethene	3.70	108	667802	10.570	ppbv 99
15) Acetone	3.82	43	1644470	9.053	ppbv 99
16) 1,3-Butadiene	3.29	39	763872	10.925	ppbv 98
17) tert-Butyl alcohol	4.26	59	1882357	11.291	ppbv 99
18) 1,1-Dichloroethene	4.26	96	699018	10.332	ppbv 95
19) Isopropyl Alcohol	3.93	45	1241722	10.784	ppbv 100
20) Methylene Chloride	4.31	84	624620	8.432	ppbv 95
21) Allyl Chloride	4.38	41	1121423	10.775	ppbv 97
22) trans-1,2-Dichloroethene	4.86	96	694175	10.581	ppbv 93
23) Vinyl Acetate	5.06	43	2068356	11.875	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1692820	10.342	ppbv 98
25) Ethyl Acetate	5.66	43	2949741	10.687	ppbv 99
26) Hexane	5.68	57	1294997	10.817	ppbv 98
27) Carbon Disulfide	4.53	76	1830216	10.932	ppbv 98
28) Methyl tert-Butyl Ether	5.01	73	2017266	11.588	ppbv 99
29) Chloroform	5.75	83	2107904	10.213	ppbv 100
30) Cyclohexane	7.13	84	1088393	11.989	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1263562	11.872	ppbv 96
32) 1,1,1-Trichloroethane	6.51	97	2096962	9.666	ppbv 100
34) 2-Butanone	5.23	43	1789748	11.353	ppbv 99
35) Carbon Tetrachloride	7.02	117	2233446	10.137	ppbv 97
36) Benzene	6.89	78	2534774	11.724	ppbv 100
37) 1,2-Dichloroethane	6.30	62	1631370	10.801	ppbv 99
38) Trichloroethene	7.84	130	1084505	10.874	ppbv 97
39) 1,2-Dichloropropane	7.62	63	978008	11.174	ppbv 99
40) 1,4-Dioxane	7.84	88	422210	11.264	ppbv # 1
41) Tetrahydrofuran	6.04	42	963993	12.460	ppbv 100
42) Bromodichloromethane	7.80	83	2229733	10.993	ppbv 97
43) Methyl Methacrylate	8.02	69	1142979	12.566	ppbv 99

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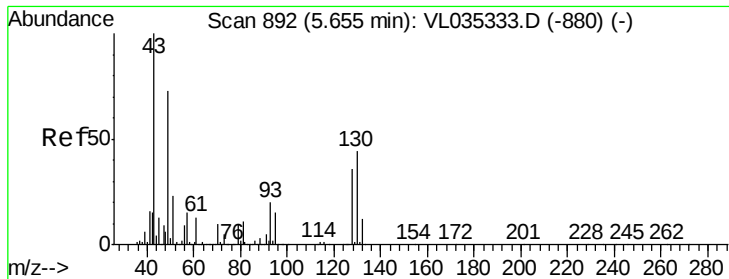
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4372891	11.385	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1312531	13.911	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1542761	13.539	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1111066	10.558	ppbv	98
48) Dibromochloromethane	10.33	129	1941792	11.264	ppbv	98
49) Bromoform	13.08	173	1833704	11.674	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2737933	11.375	ppbv	100
51) 2-Hexanone	10.15	43	2241639	11.879	ppbv #	98
52) Tetrachloroethene	11.25	164	971704	11.336	ppbv	97
53) Toluene	9.83	91	3029426	12.881	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1729744	11.457	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.16	131	1537856	9.904	ppbv	96
57) Chlorobenzene	12.18	112	2467574	9.962	ppbv	99
58) Ethyl Benzene	12.74	91	4099158	11.976	ppbv	98
59) m/p-Xylene	13.03	91	6977604m	21.892	ppbv	
60) o-Xylene	13.73	91	3533148	11.171	ppbv	100
61) Styrene	13.56	104	2494848	12.916	ppbv	99
62) Isopropylbenzene	14.70	105	5217153	10.955	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	2548601	9.445	ppbv	99
64) n-propylbenzene	15.60	120	1433432	11.200	ppbv	98
65) tert-Butylbenzene	16.79	119	4781170	10.964	ppbv	100
66) Benzyl Chloride	17.03	91	2096139	12.144	ppbv	100
67) sec-Butylbenzene	17.34	105	6536701	10.597	ppbv	100
69) p-Isopropyltoluene	17.70	119	5601920	11.140	ppbv	99
70) n-Butylbenzene	18.59	91	5815309	10.811	ppbv	100
71) 2-Chlorotoluene	15.49	91	4036979	11.572	ppbv	100
72) 4-Ethyltoluene	15.88	105	4213252	11.684	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	3962873	11.452	ppbv	99
74) 1,2,4-Trimethylbenzene	16.81	105	4212061	10.650	ppbv	97
75) 1,3-Dichlorobenzene	17.04	146	2514494	9.719	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	2495167	10.414	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	2408257	10.086	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	2007430m	9.882	ppbv	
79) Naphthalene	22.26	128	4170395	13.710	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	1688724	24.405	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	2337560m	12.194	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1279155

Ion Ratio Lower Upper

49 100

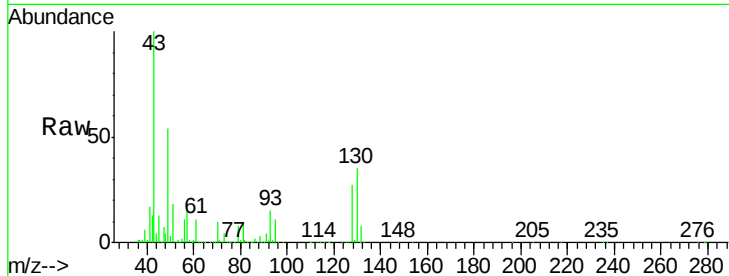
128 50.3 25.4 76.0

130 64.1 32.1 96.3

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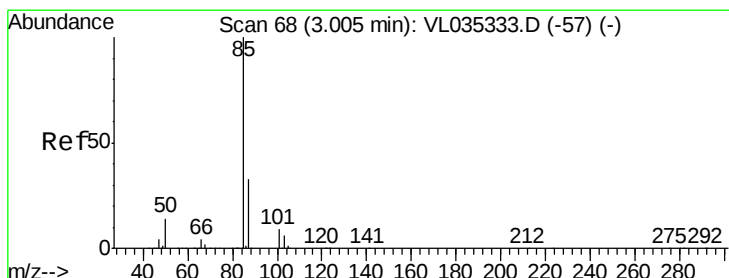
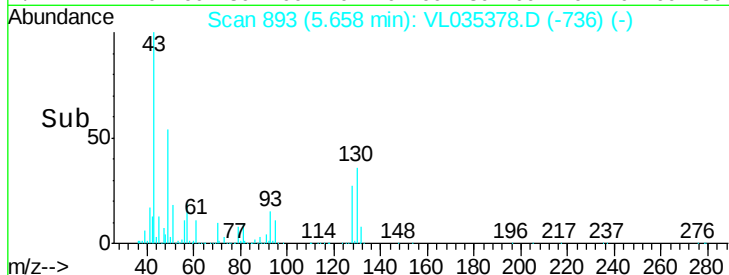
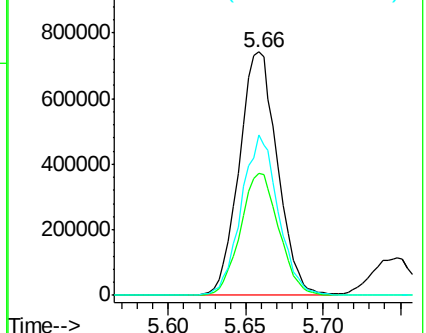
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.860 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL035378.D

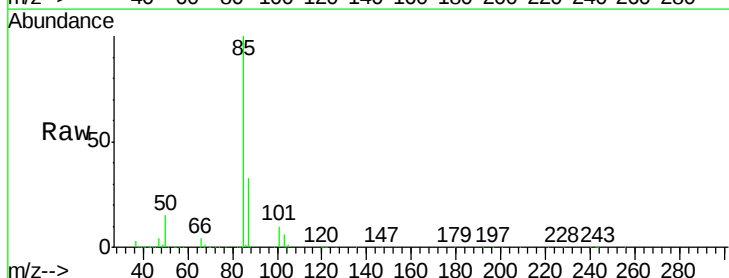
Acq: 11 Aug 2020 7:59

Tgt Ion: 85 Resp: 1677595

Ion Ratio Lower Upper

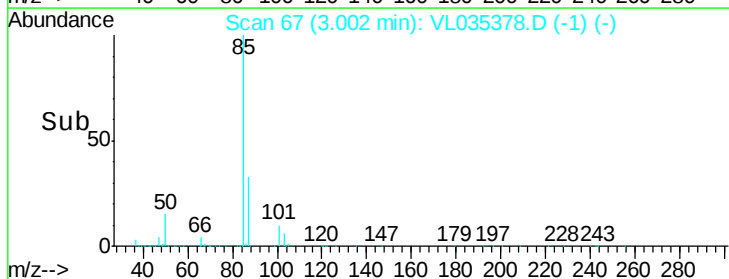
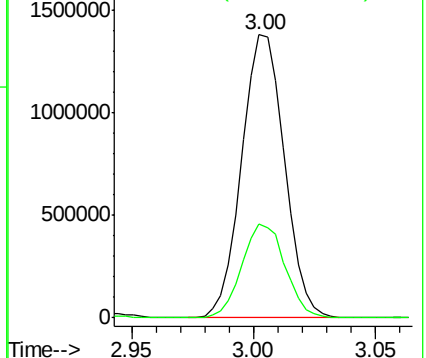
85 100

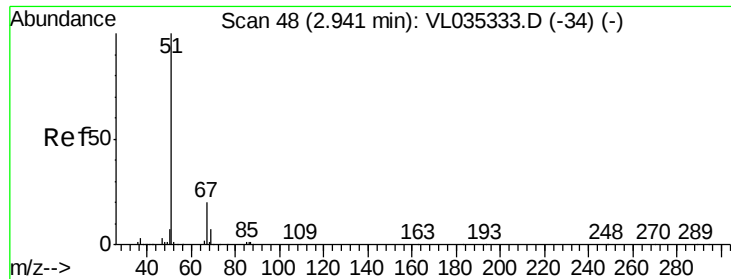
87 33.1 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.019 ppbv

RT: 2.94 min Scan# 48

Delta R.T. 0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

Tot Ion: 51 Resp: 1462931

Ion Ratio Lower Upper

51 100

67 20.1 16.6 25.0

Instrument :

MSVOA_L

ClientSampleId :

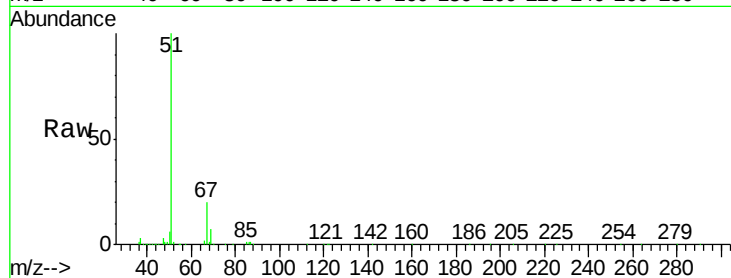
VSTDCCC010EC

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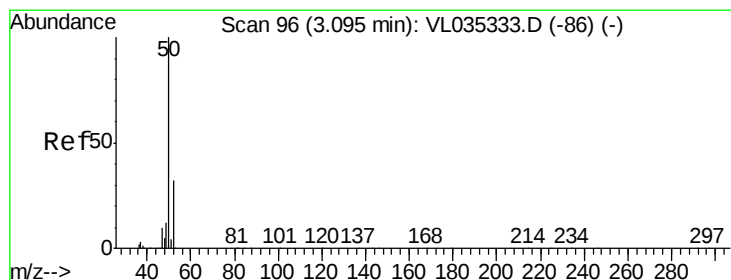
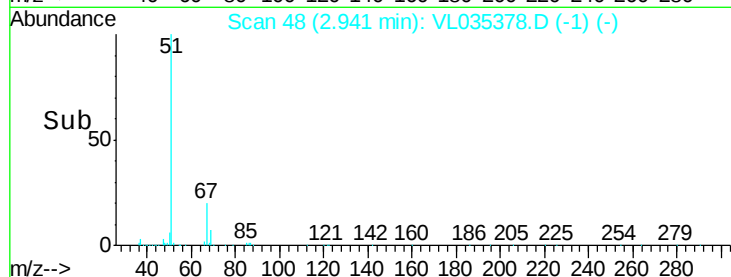
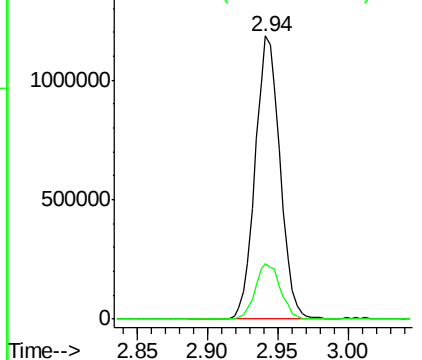
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.847 ppbv

RT: 3.10 min Scan# 96

Delta R.T. 0.00 min

Lab File: VL035378.D

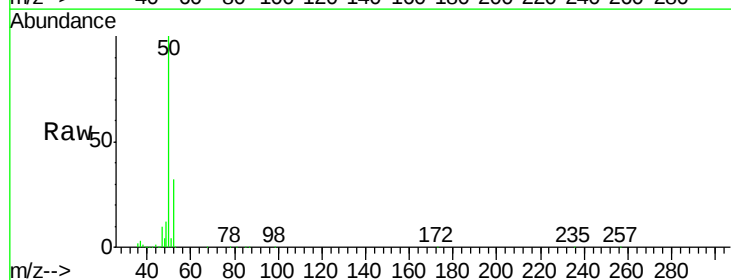
Acq: 11 Aug 2020 7:59

Tgt Ion: 50 Resp: 814035

Ion Ratio Lower Upper

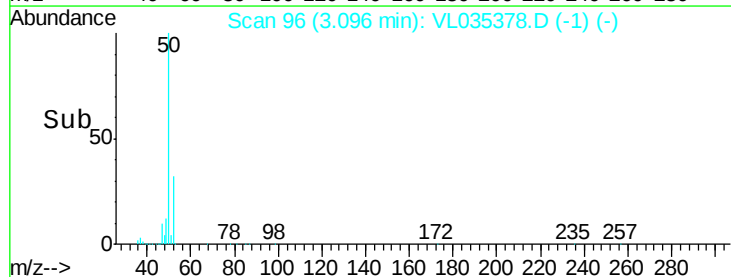
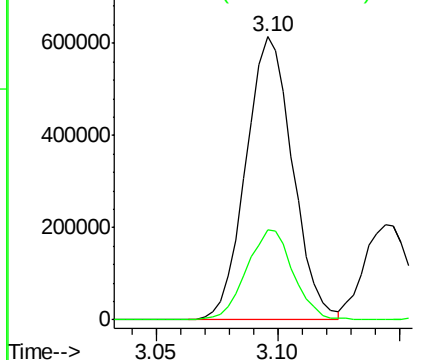
50 100

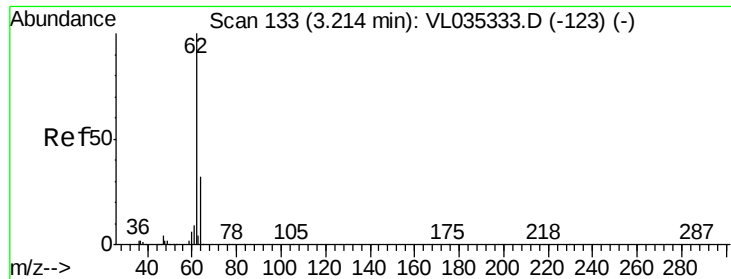
52 32.1 26.0 39.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.942 ppbv

RT: 3.21 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 845401

Ion Ratio Lower Upper

62 100

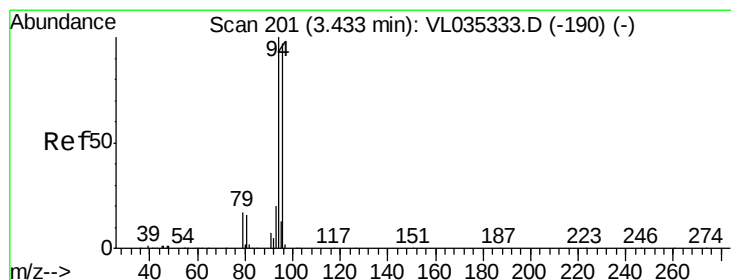
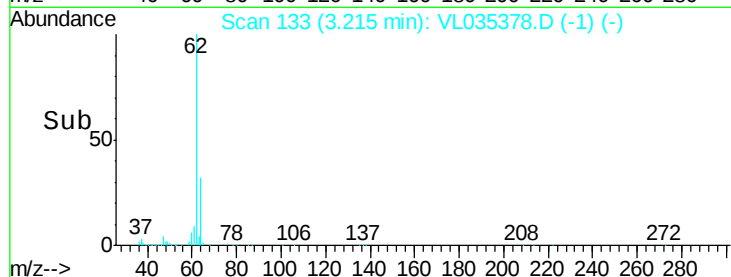
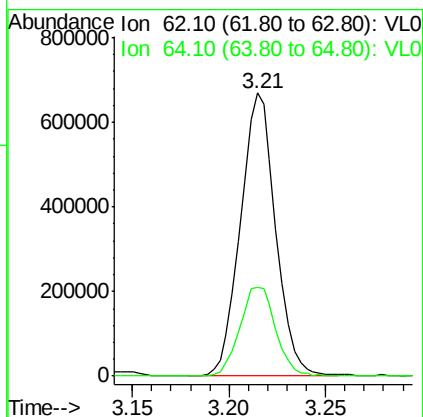
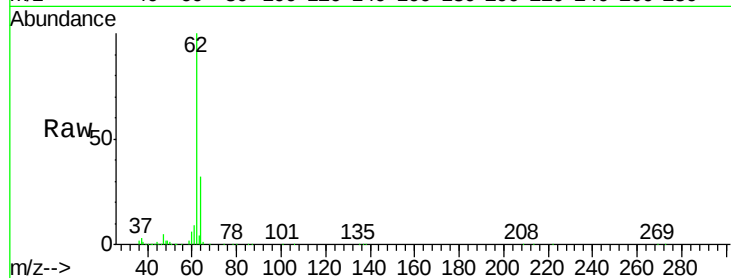
64 31.5 25.8 38.6

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#6

Bromomethane

Concen: 10.308 ppbv

RT: 3.43 min Scan# 201

Delta R.T. 0.00 min

Lab File: VL035378.D

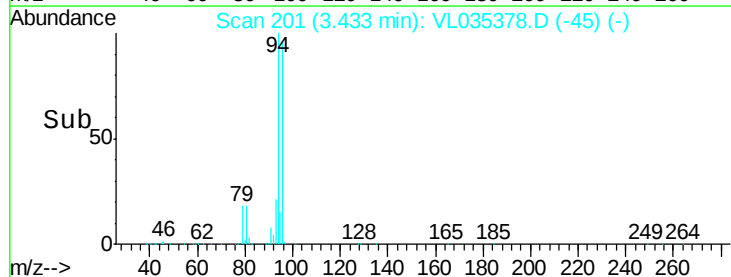
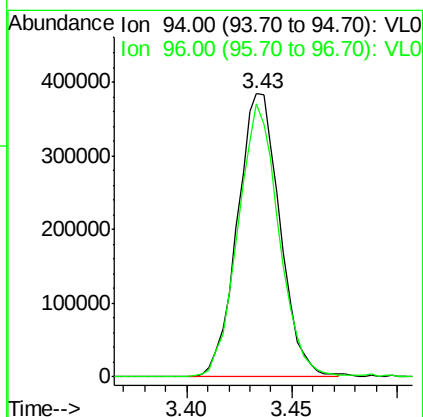
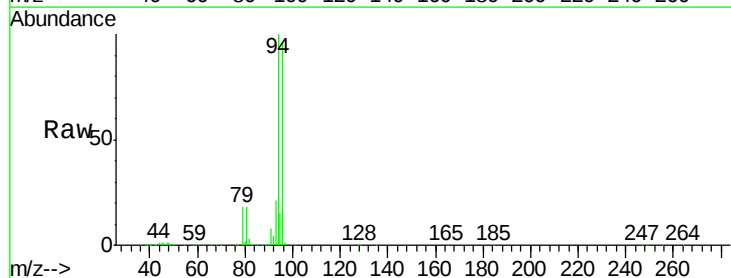
Acq: 11 Aug 2020 7:59

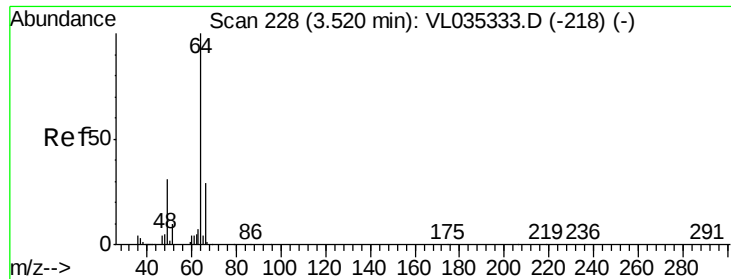
Tgt Ion: 94 Resp: 536977

Ion Ratio Lower Upper

94 100

96 96.3 77.3 115.9





#7

Chloroethane

Concen: 10.066 ppbv

RT: 3.52 min Scan# 227

Delta R.T. -0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 317894

Ion Ratio Lower Upper

64 100

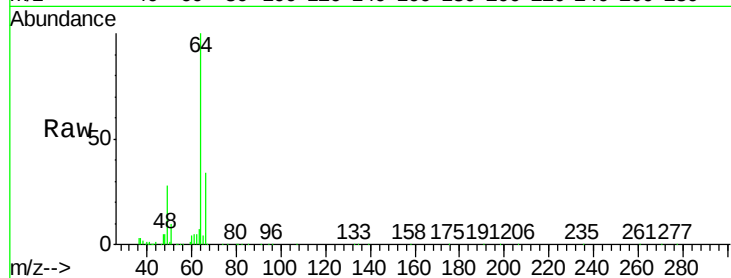
66 33.6 23.0 34.6

Manual Integrations

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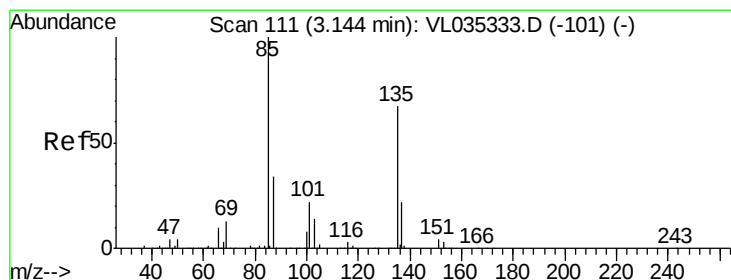
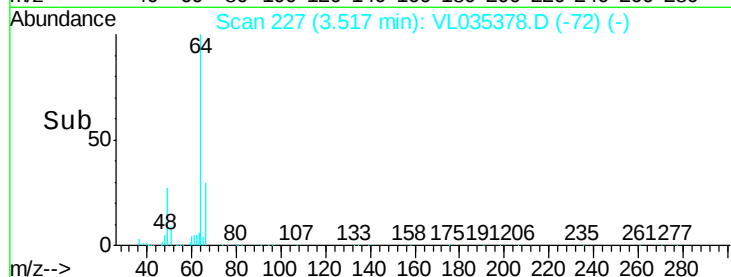
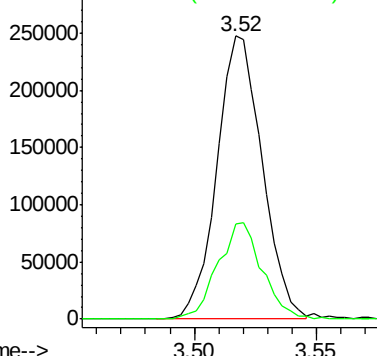
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.955 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL035378.D

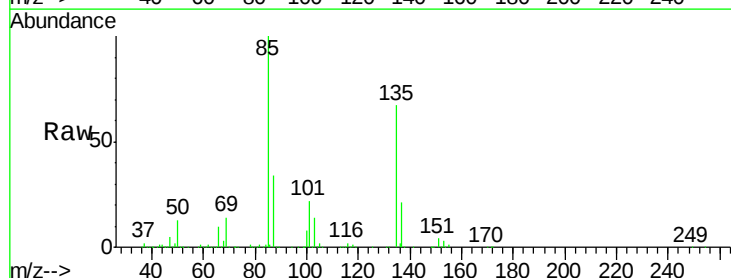
Acq: 11 Aug 2020 7:59

Tgt Ion: 85 Resp: 2001964

Ion Ratio Lower Upper

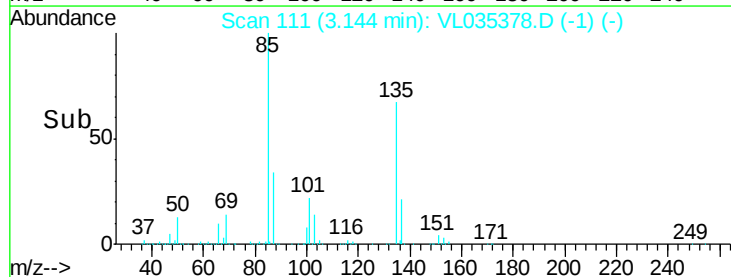
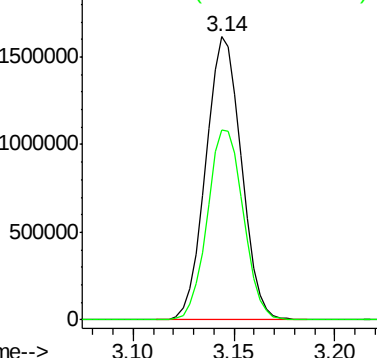
85 100

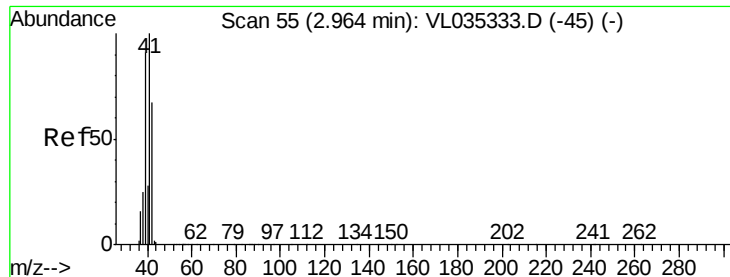
135 68.1 54.5 81.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 11.017 ppbv

RT: 2.96 min Scan# 55

Delta R.T. 0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 573245

Ion Ratio Lower Upper

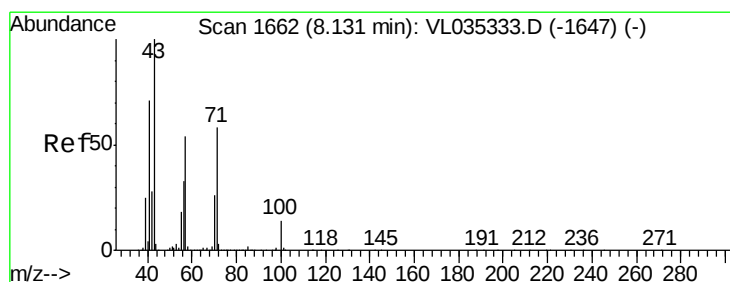
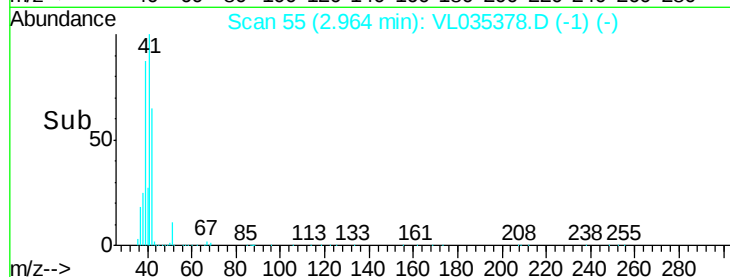
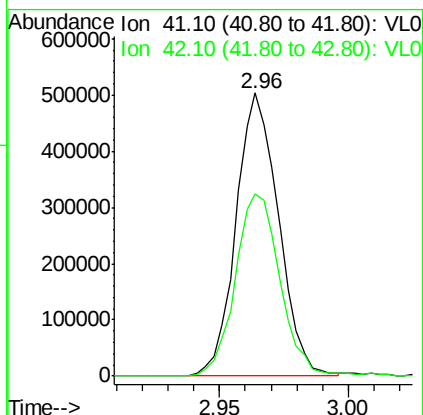
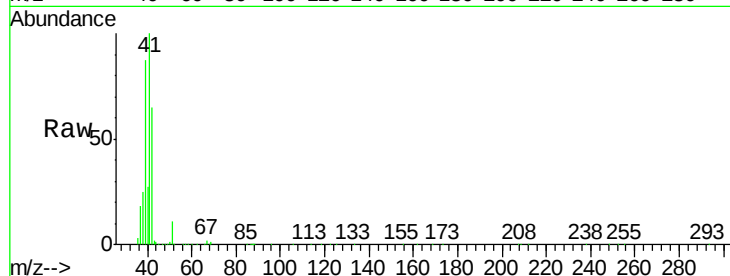
41 100

42 69.1 55.3 82.9

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#10

Heptane

Concen: 12.011 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VL035378.D

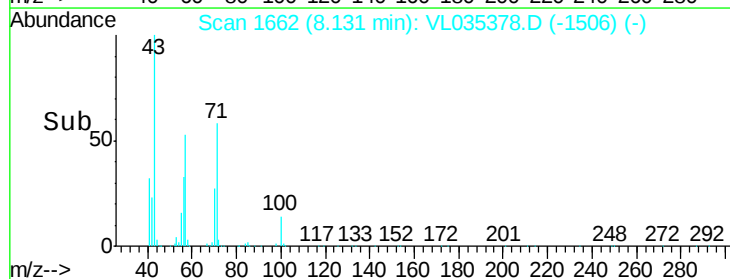
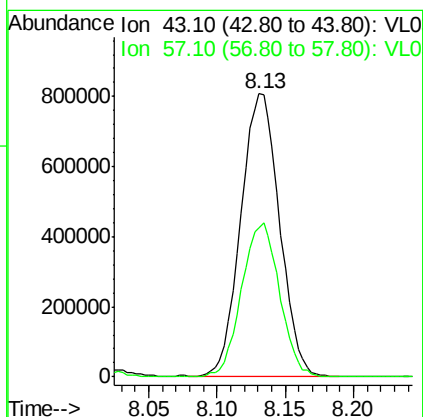
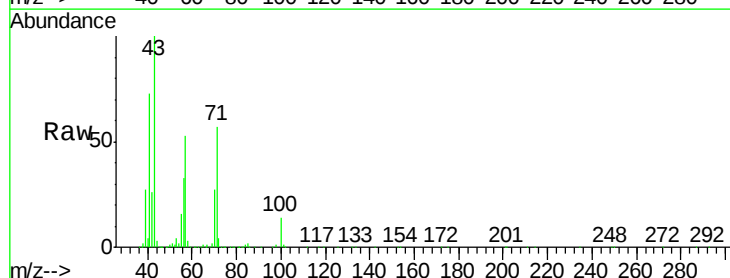
Acq: 11 Aug 2020 7:59

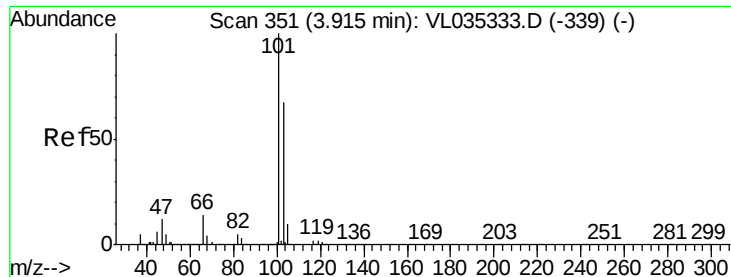
Tgt Ion: 43 Resp: 1596329

Ion Ratio Lower Upper

43 100

57 53.2 43.0 64.6





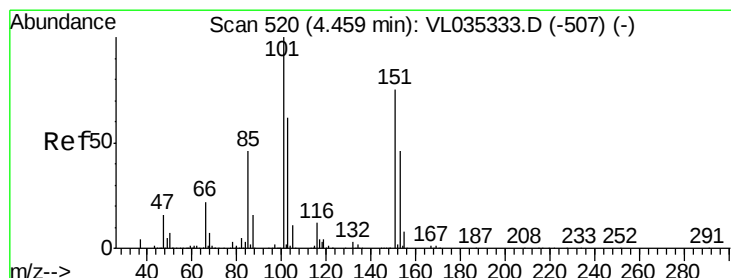
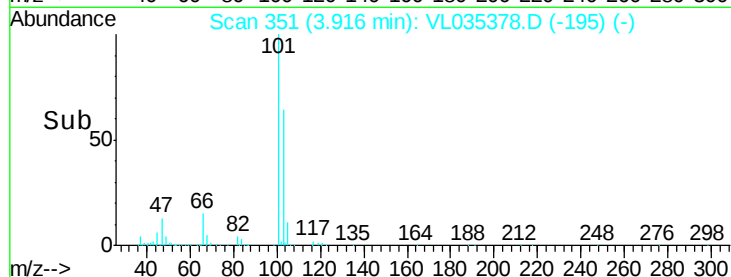
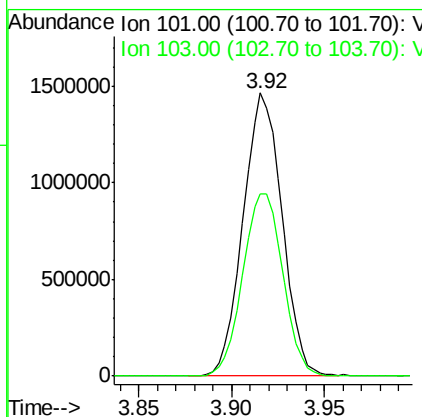
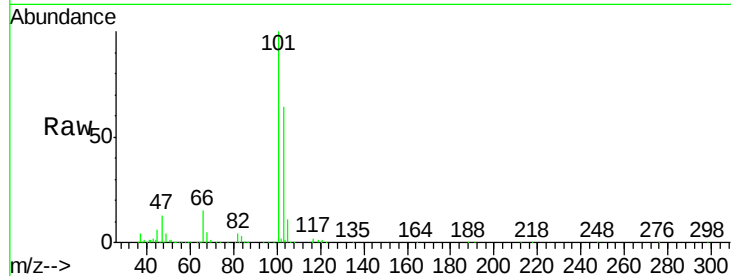
#11
 Trichlorofluoromethane
 Concen: 9.745 ppbv
 RT: 3.92 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VL035378.D
 Acq: 11 Aug 2020 7:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2148245
 Ion Ratio Lower Upper
 101 100
 103 64.5 53.8 80.8

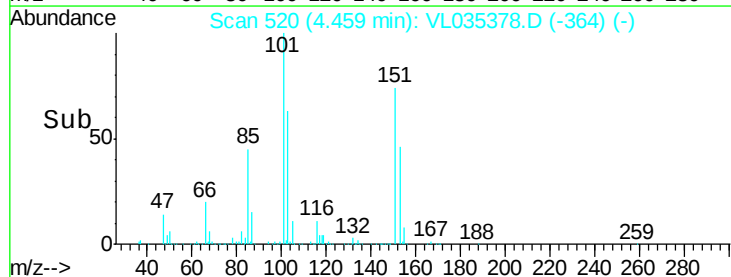
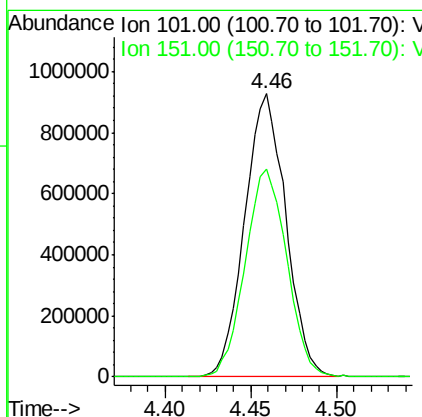
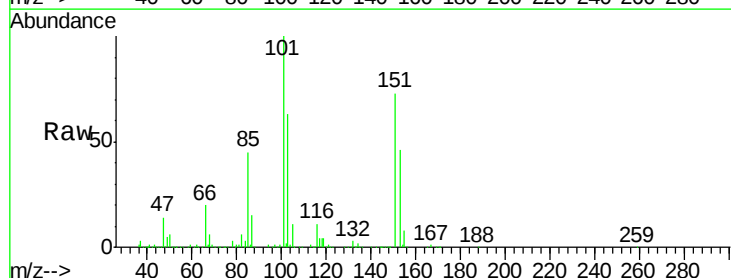
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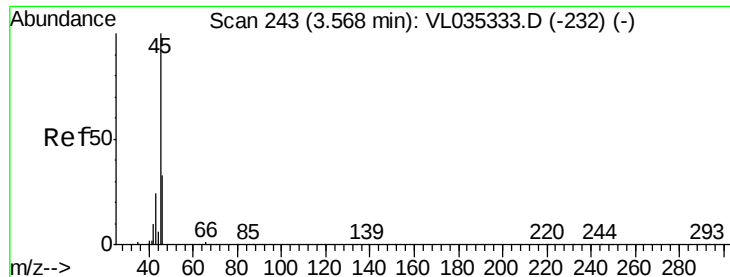
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.784 ppbv
 RT: 4.46 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: VL035378.D
 Acq: 11 Aug 2020 7:59

Tgt Ion:101 Resp: 1541505
 Ion Ratio Lower Upper
 101 100
 151 74.5 59.5 89.3





#13

Ethanol

Concen: 9.948 ppbv

RT: 3.57 min Scan# 242

Delta R.T. -0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 178526

Ion Ratio Lower Upper

45 100

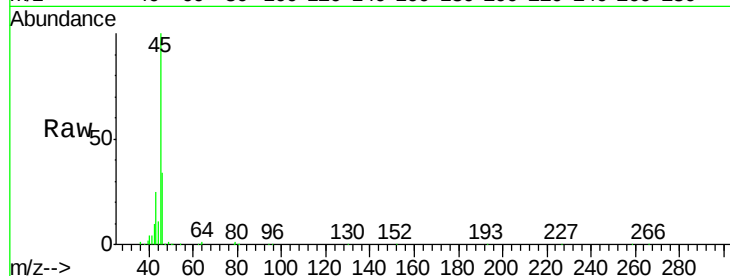
46 34.0 15.2 61.0

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.57

120000

100000

80000

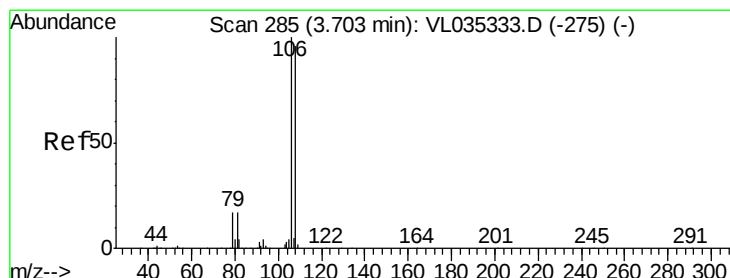
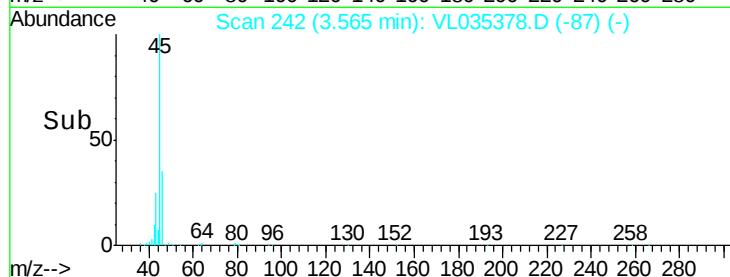
60000

40000

20000

0

Time-->



#14

Bromoethene

Concen: 10.570 ppbv

RT: 3.70 min Scan# 285

Delta R.T. 0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

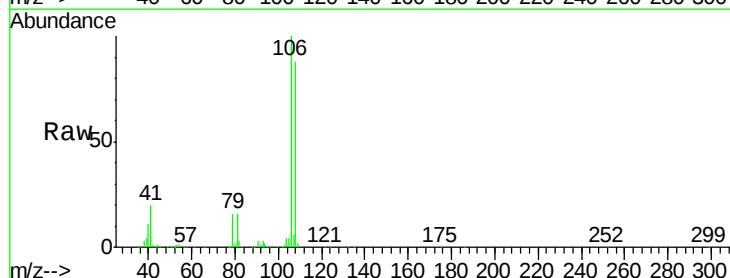
Tgt Ion: 108 Resp: 667802

Ion Ratio Lower Upper

108 100

106 107.6 85.0 127.6

79 18.2 15.0 22.6



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

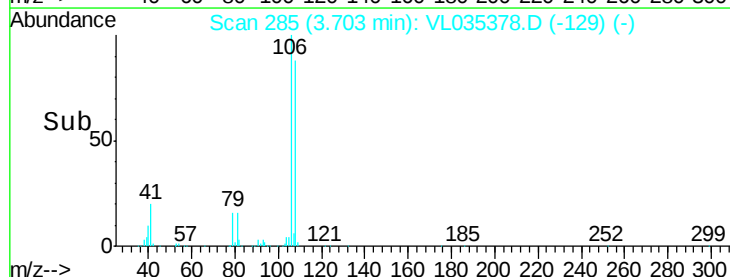
600000

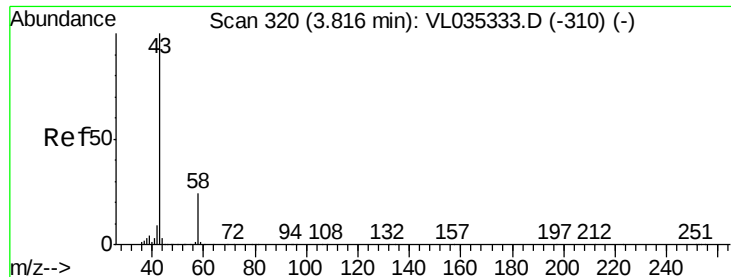
400000

200000

0

Time-->





#15

Acetone

Concen: 9.053 ppbv

RT: 3.82 min Scan# 320

Delta R.T. 0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1644470

Ion Ratio Lower Upper

43 100

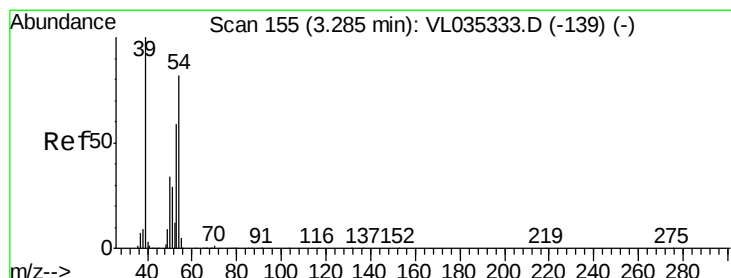
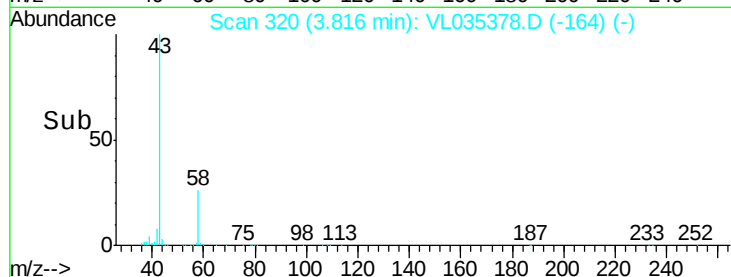
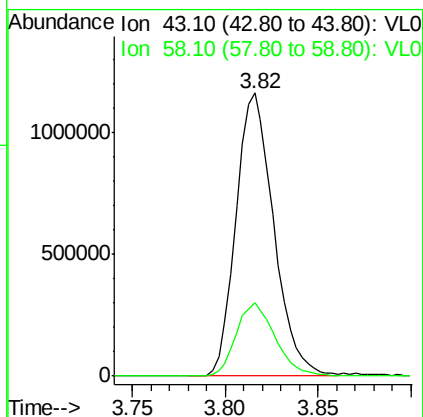
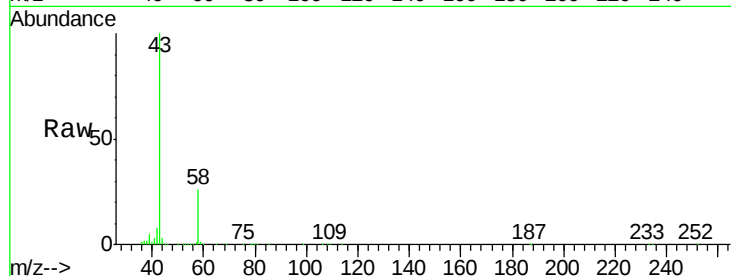
58 26.8 21.0 31.4

Manual Integrations

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#16

1,3-Butadiene

Concen: 10.925 ppbv

RT: 3.29 min Scan# 155

Delta R.T. 0.00 min

Lab File: VL035378.D

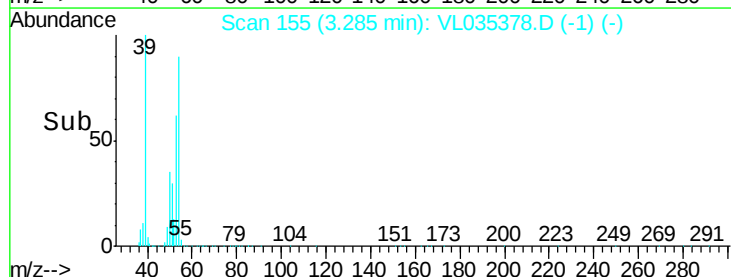
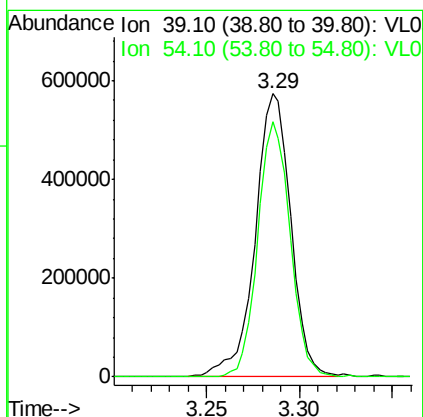
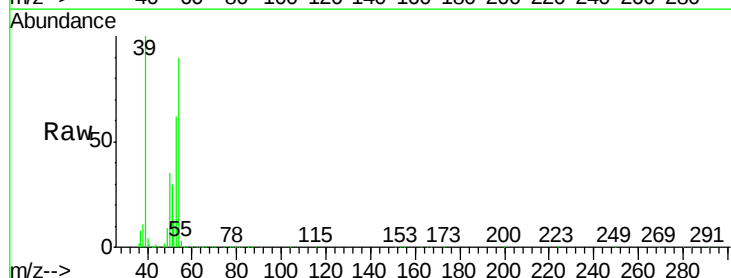
Acq: 11 Aug 2020 7:59

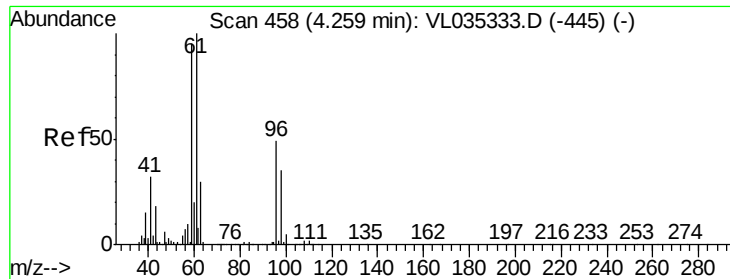
Tgt Ion: 39 Resp: 763872

Ion Ratio Lower Upper

39 100

54 82.4 64.4 96.6





#17

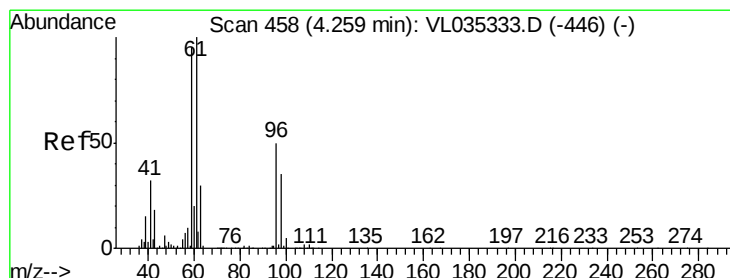
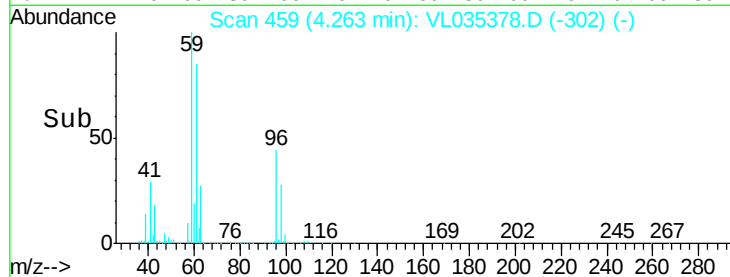
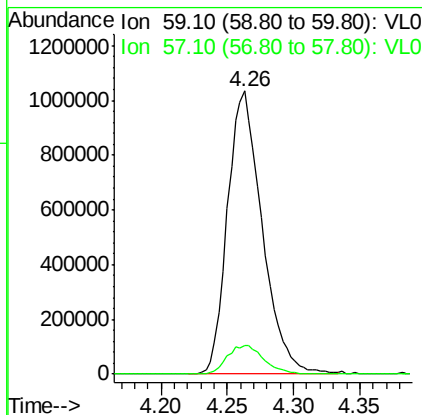
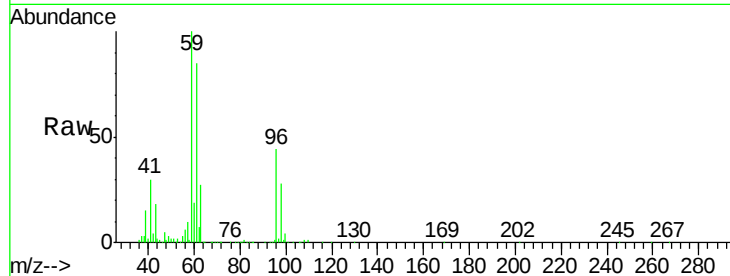
tert-Butyl alcohol
 Concen: 11.291 ppbv
 RT: 4.26 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VL035378.D
 Acq: 11 Aug 2020 7:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 59 Resp: 1882357
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.8 13.2

Manual Integrations
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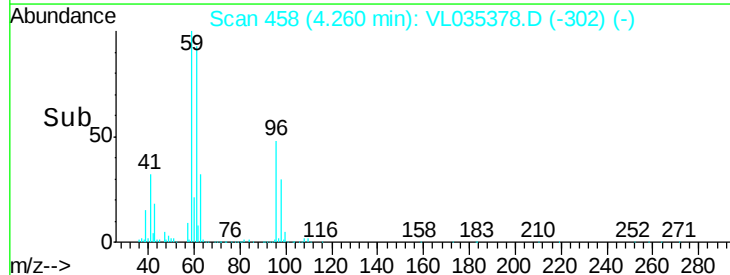
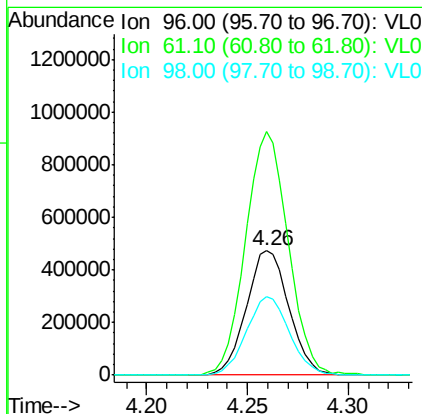
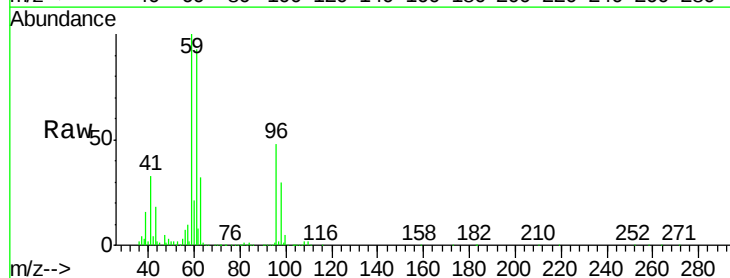
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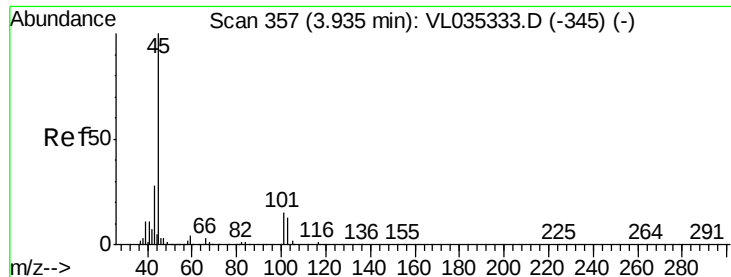


#18

1,1-Dichloroethene
 Concen: 10.332 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. 0.00 min
 Lab File: VL035378.D
 Acq: 11 Aug 2020 7:59

Tgt Ion: 96 Resp: 699018
 Ion Ratio Lower Upper
 96 100
 61 195.6 161.4 242.2
 98 62.8 56.0 84.0





#19

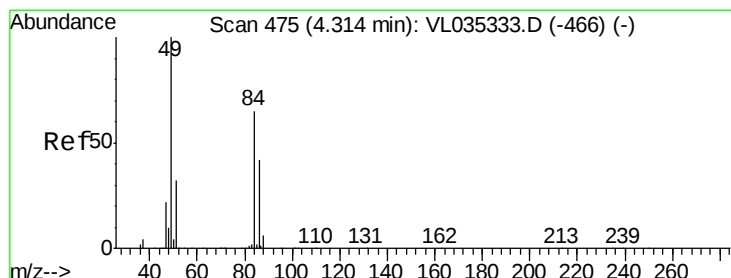
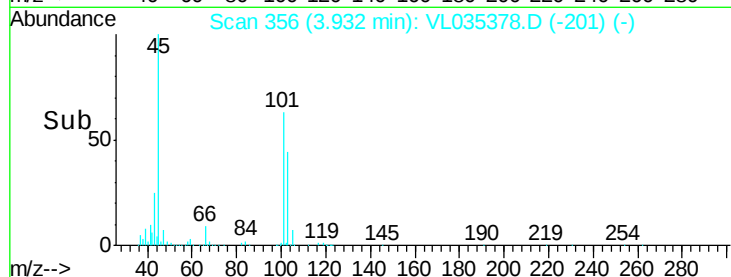
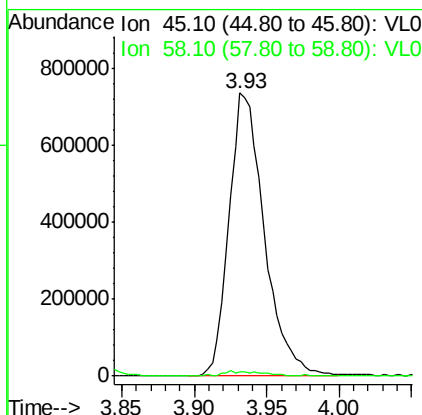
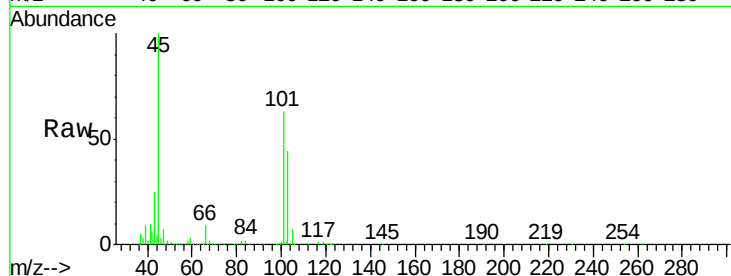
Isopropyl Alcohol
 Concen: 10.784 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. -0.00 min
 Lab File: VL035378.D
 Acq: 11 Aug 2020 7:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 45 Resp: 1241722
 Ion Ratio Lower Upper
 45 100
 58 2.2 1.9 2.9

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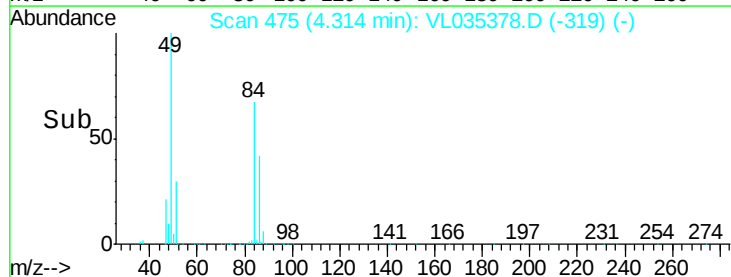
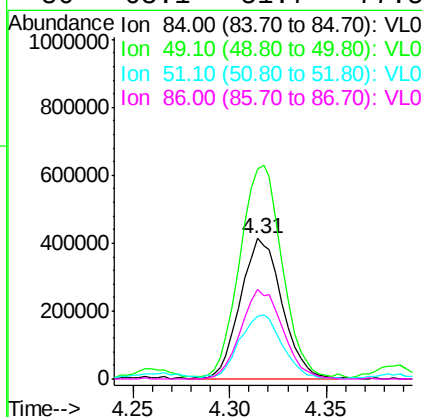
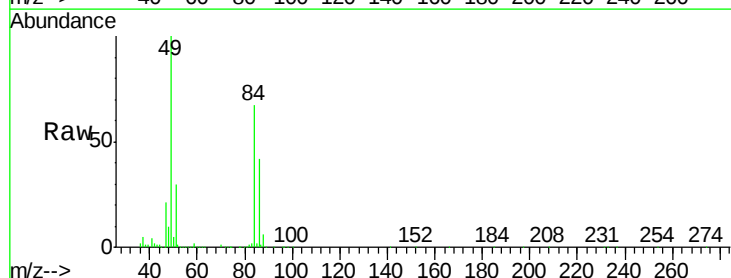
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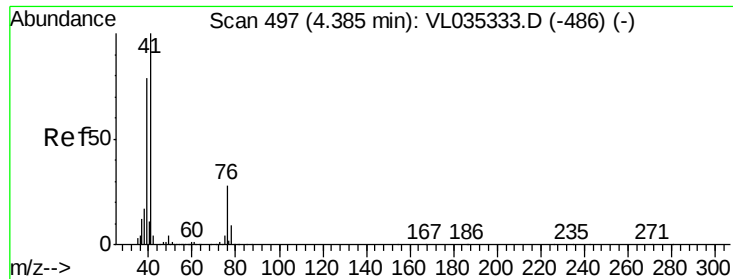


#20

Methylene Chloride
 Concen: 8.432 ppbv
 RT: 4.31 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: VL035378.D
 Acq: 11 Aug 2020 7:59

Tgt Ion: 84 Resp: 624620
 Ion Ratio Lower Upper
 84 100
 49 147.3 122.8 184.2
 51 43.4 40.1 60.1
 86 63.1 51.7 77.5





#21

Allvl Chloride

Concen: 10.775 ppbv

RT: 4.38 min Scan# 497

Delta R.T. 0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

Instrument :

MSVOA_L

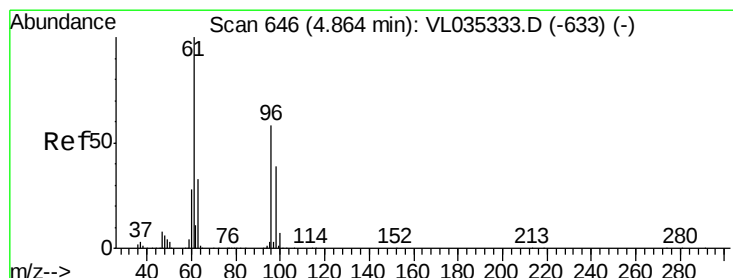
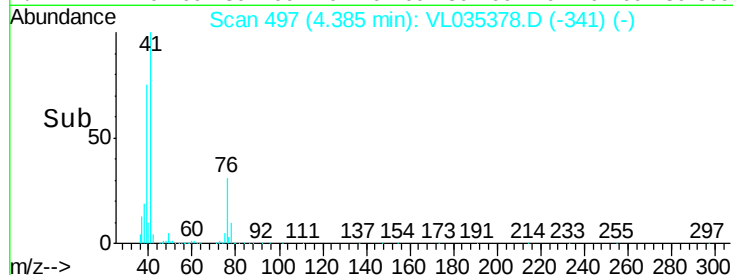
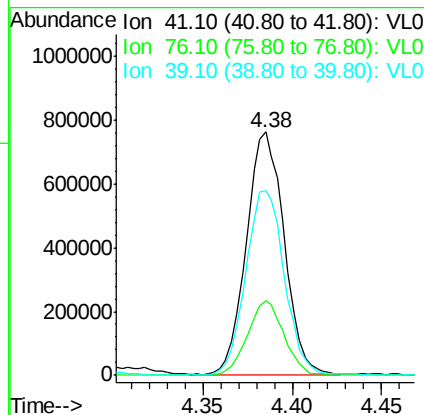
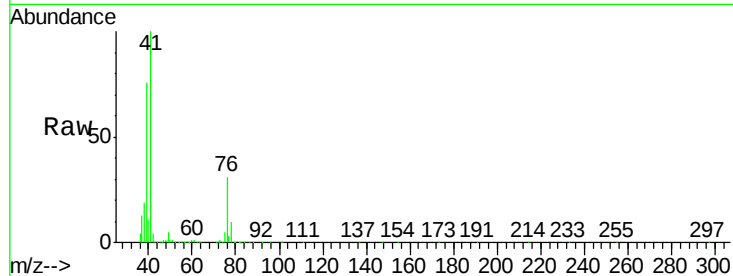
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	1121423
Ion	Ratio	Lower	Upper
41	100		
76	30.0	23.8	35.6
39	78.2	65.0	97.6

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#22

trans-1,2-Dichloroethene

Concen: 10.581 ppbv

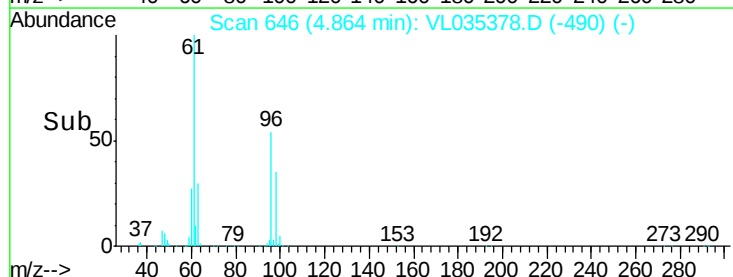
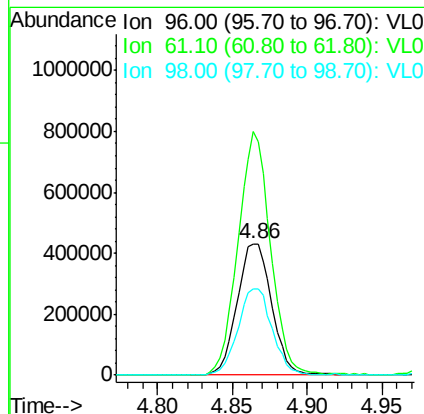
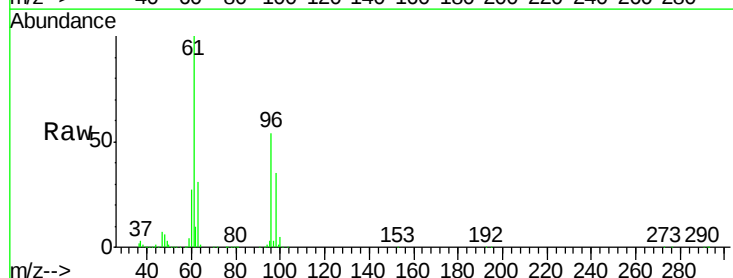
RT: 4.86 min Scan# 646

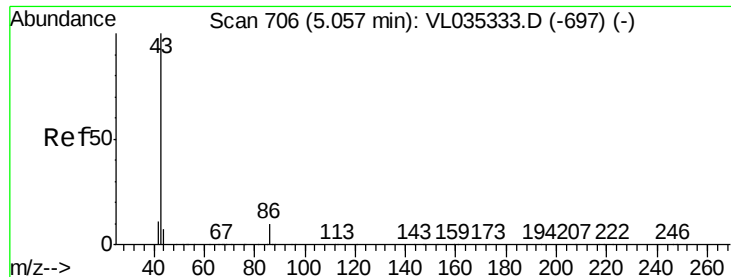
Delta R.T. 0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

Tgt Ion:	96	Resp:	694175
Ion	Ratio	Lower	Upper
96	100		
61	185.5	138.5	207.7
98	65.3	54.3	81.5





#23

Vinyl Acetate

Concen: 11.875 ppbv

RT: 5.06 min Scan# 706

Delta R.T. 0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2068356

Ion Ratio Lower Upper

43 100

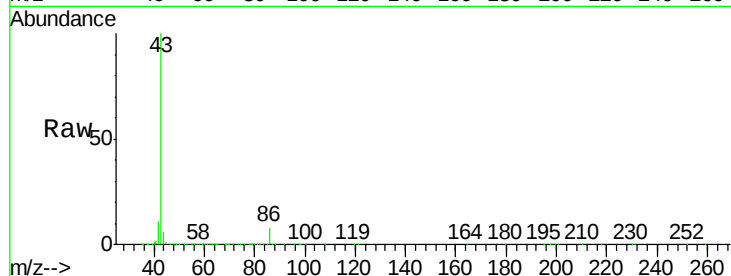
86 8.3 6.9 10.3

42 11.4 8.8 13.2

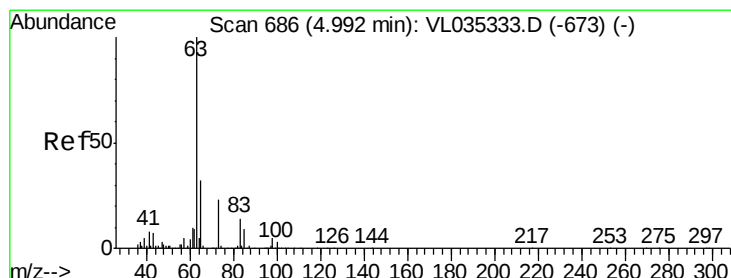
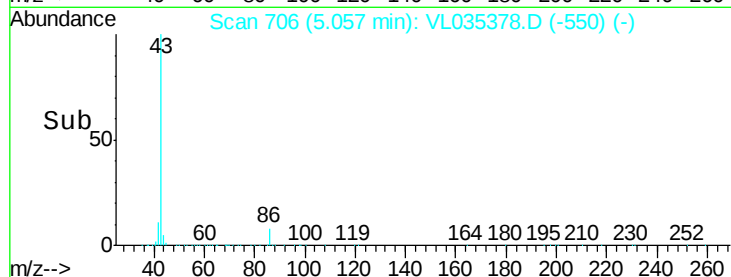
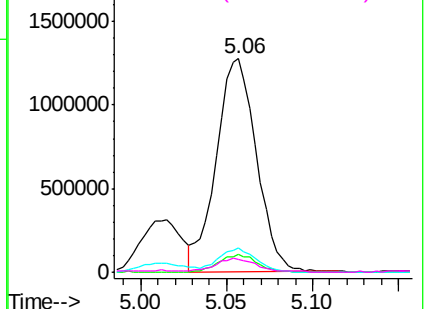
44 5.7 5.0 7.6

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Abundance Ion 43.10 (42.80 to 43.80): VL0
2000000 Ion 86.10 (85.80 to 86.80): VL0
1500000 Ion 42.10 (41.80 to 42.80): VL0
1000000 Ion 44.10 (43.80 to 44.80): VL0
500000
0



#24

1,1-Dichloroethane

Concen: 10.342 ppbv

RT: 4.99 min Scan# 686

Delta R.T. 0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

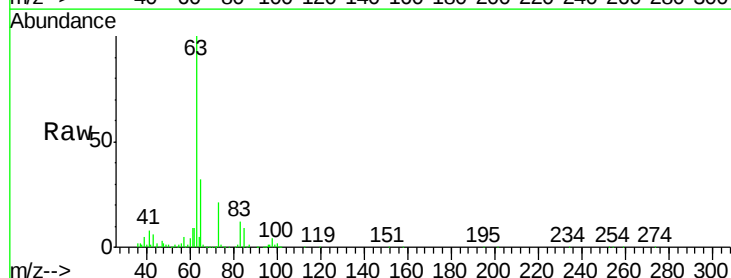
Tgt Ion: 63 Resp: 1692820

Ion Ratio Lower Upper

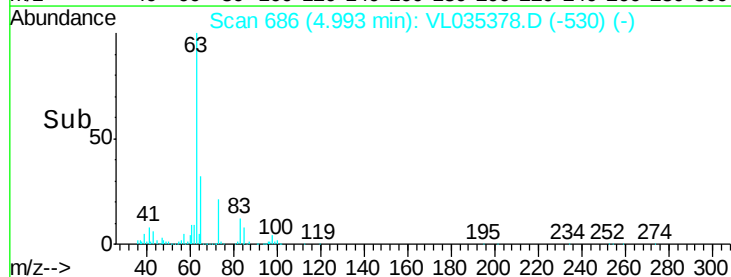
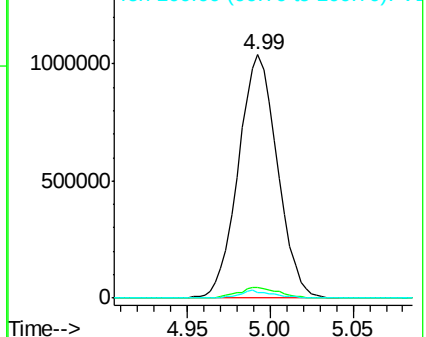
63 100

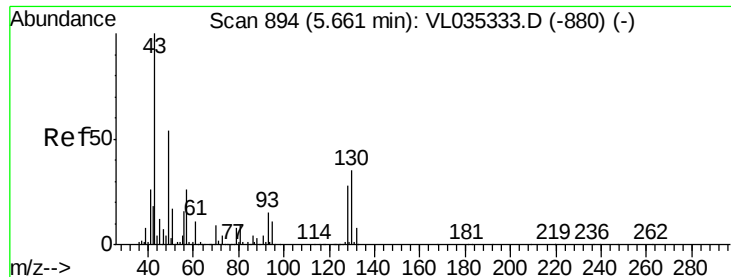
98 4.3 2.5 7.5

100 2.6 1.4 4.2



Abundance Ion 63.10 (62.80 to 63.80): VL0
1000000 Ion 98.00 (97.70 to 98.70): VL0
500000 Ion 100.00 (99.70 to 100.70): VL0
0





#25

Ethyl Acetate

Concen: 10.687 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL035378.D

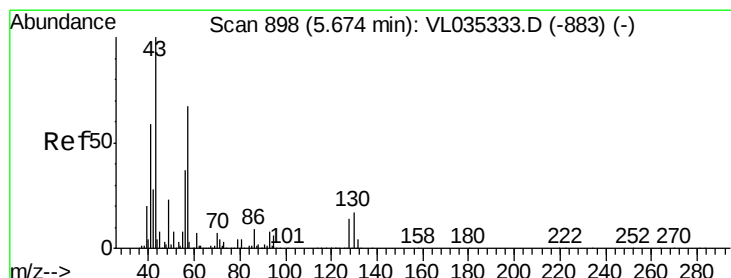
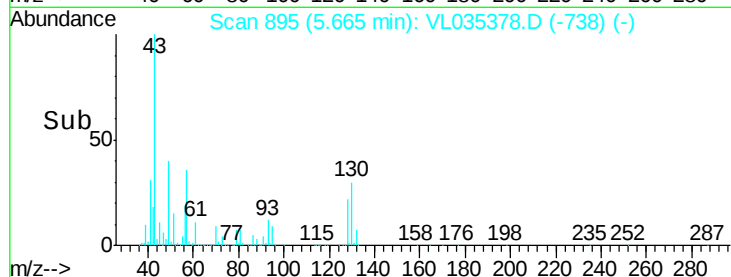
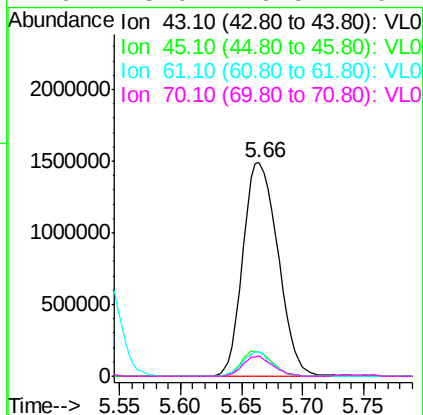
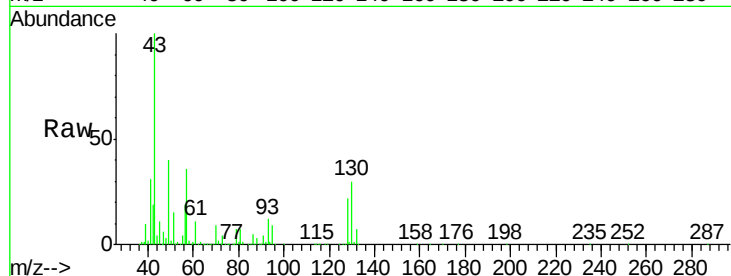
Acq: 11 Aug 2020 7:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.3	8.5	12.7	
61	9.7	8.1	12.1	
70	8.0	6.5	9.7	

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#26

Hexane

Concen: 10.817 ppbv

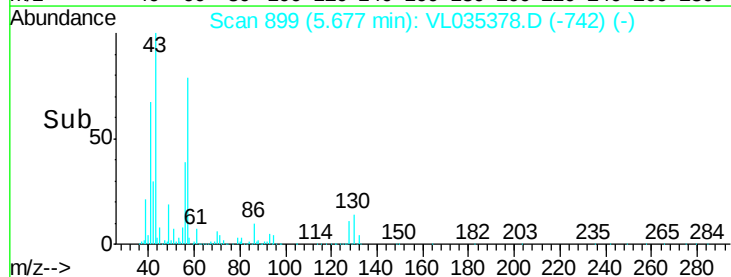
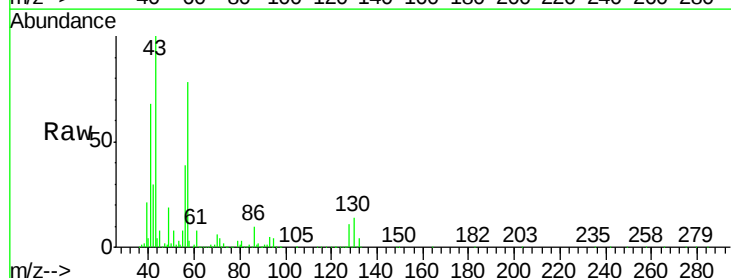
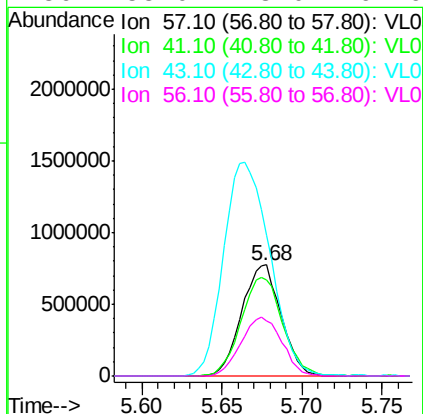
RT: 5.68 min Scan# 899

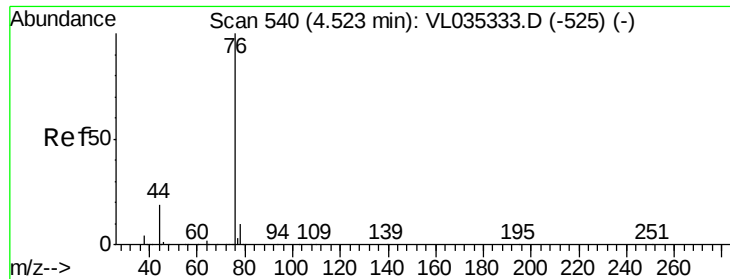
Delta R.T. 0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	95.3	75.2	112.8	
43	228.6	180.6	270.8	
56	55.0	43.0	64.6	





#27

Carbon Disulfide

Concen: 10.932 ppbv

RT: 4.53 min Scan# 541

Delta R.T. 0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1830216

Ion Ratio Lower Upper

76 100

44 18.1 15.4 23.2

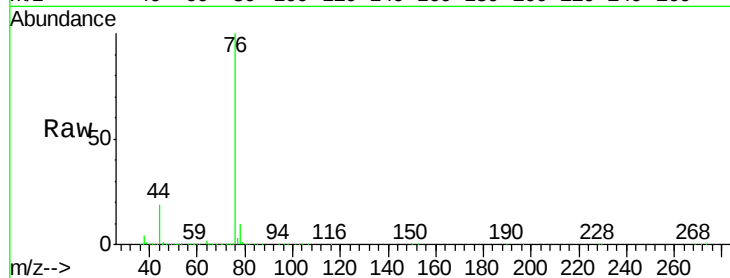
78 9.6 7.7 11.5

Manual Integrations

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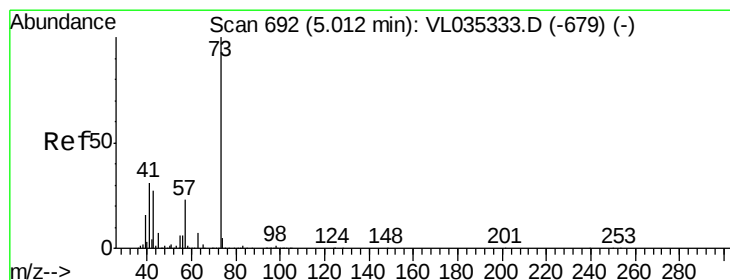
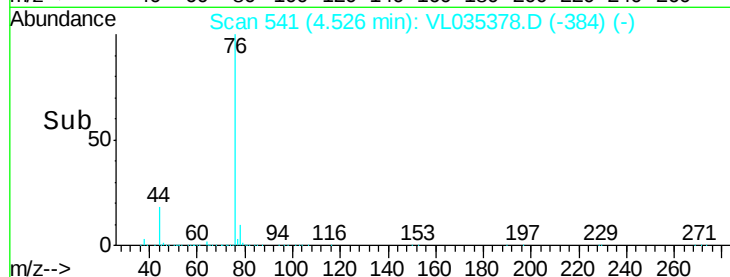
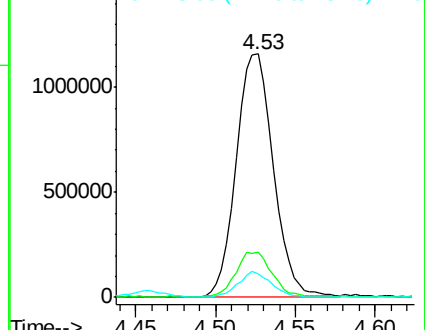
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 11.588 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.00 min

Lab File: VL035378.D

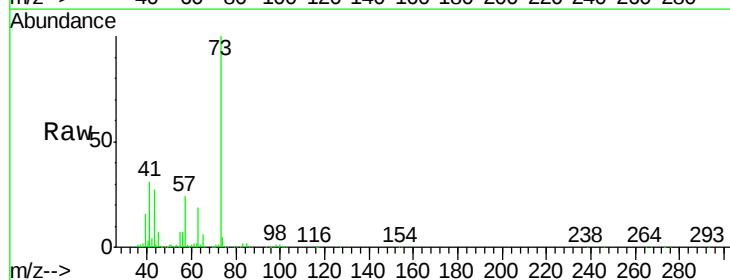
Acq: 11 Aug 2020 7:59

Tgt Ion: 73 Resp: 2017266

Ion Ratio Lower Upper

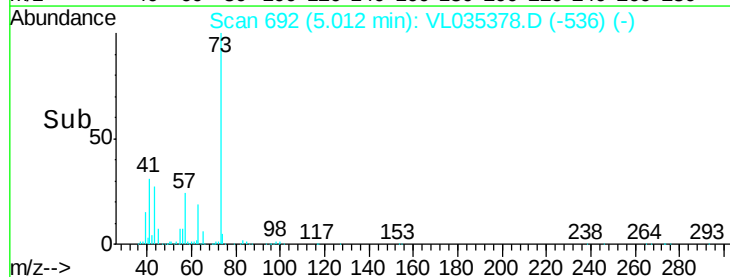
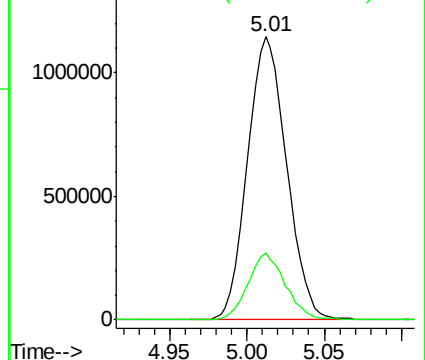
73 100

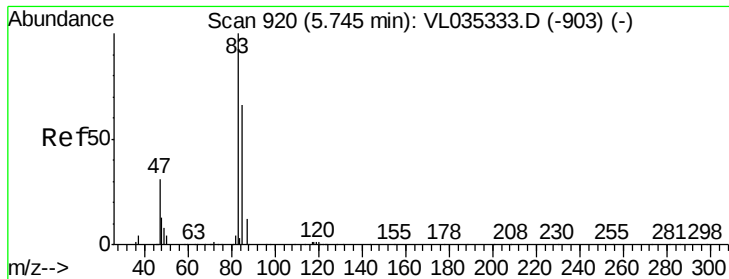
57 22.8 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





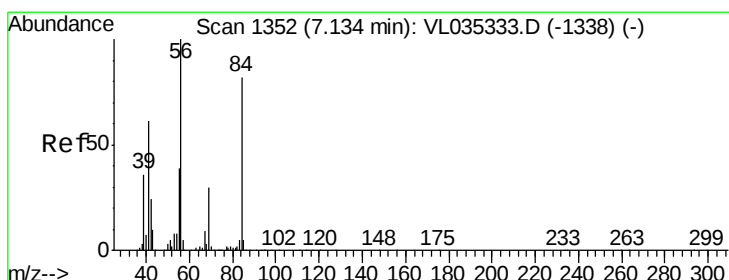
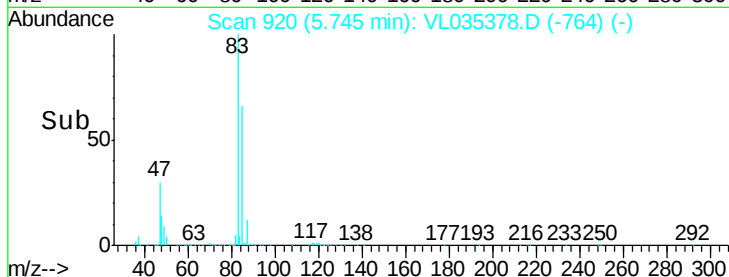
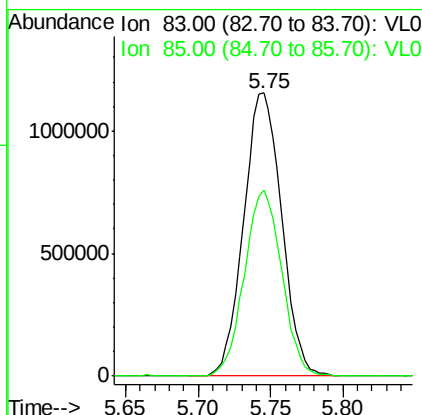
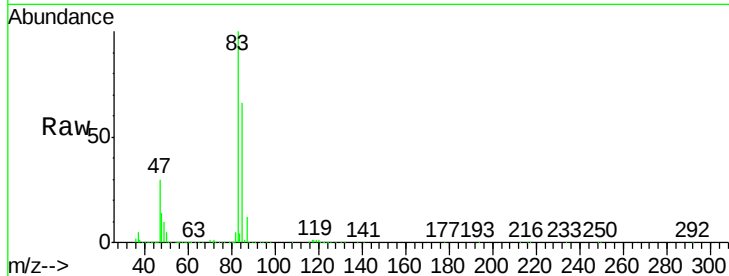
#29
Chloroform
Concen: 10.213 ppbv
RT: 5.75 min Scan# 920
Delta R.T. 0.00 min
Lab File: VL035378.D
Acq: 11 Aug 2020 7:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2107904
Ion Ratio Lower Upper
83 100
85 65.8 52.9 79.3

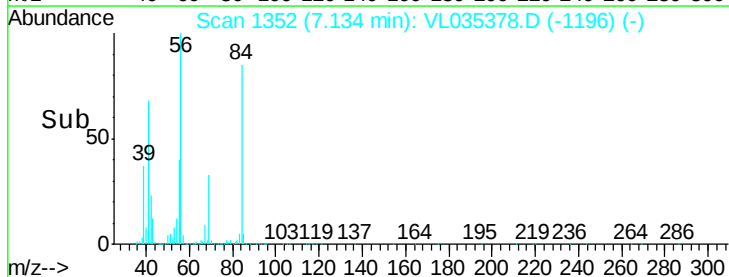
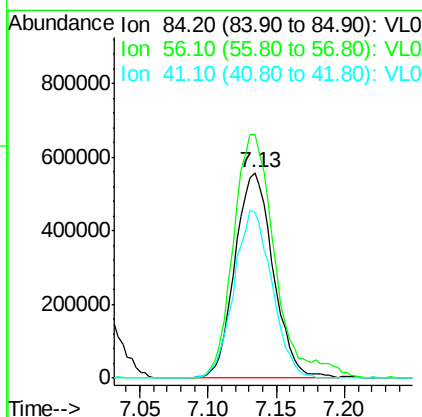
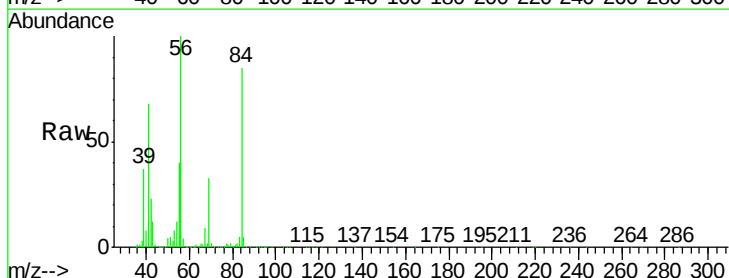
Manual Integrations
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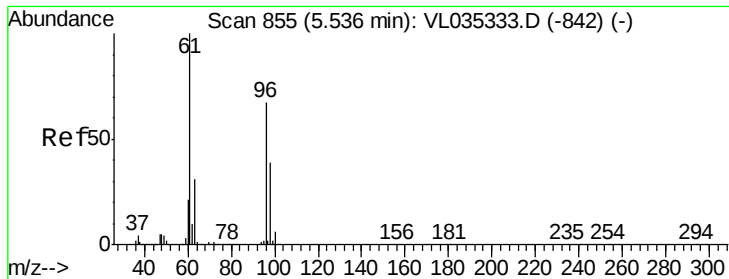
apatel
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#30
Cyclohexane
Concen: 11.989 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.00 min
Lab File: VL035378.D
Acq: 11 Aug 2020 7:59

Tgt Ion: 84 Resp: 1088393
Ion Ratio Lower Upper
84 100
56 129.6 104.7 157.1
41 81.5 64.2 96.2





#31

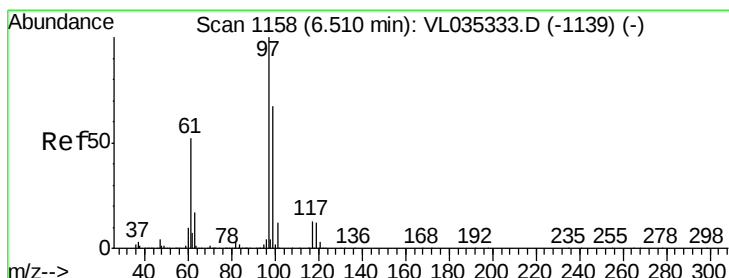
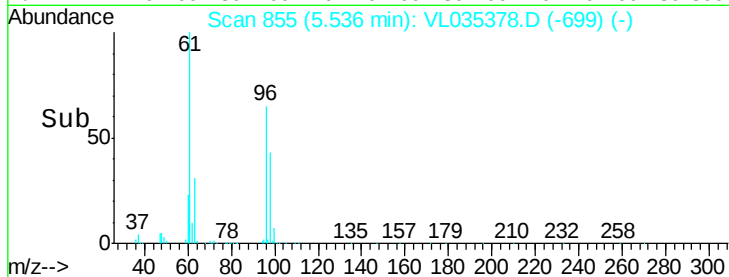
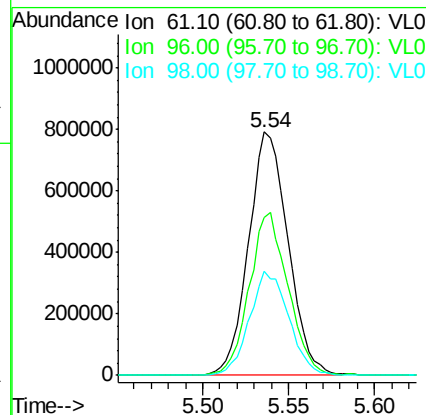
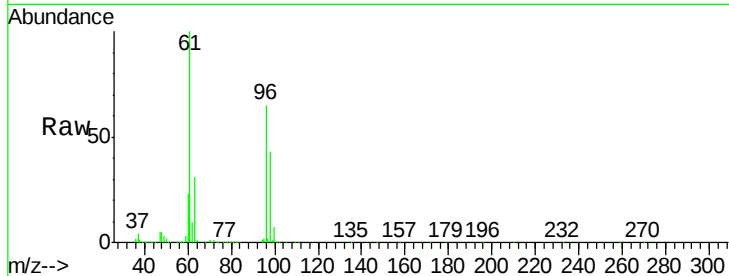
cis-1,2-Dichloroethene
Concen: 11.872 ppbv
RT: 5.54 min Scan# 855
Delta R.T. 0.00 min
Lab File: VL035378.D
Acq: 11 Aug 2020 7:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.7	53.6	80.4
98	42.8	31.0	46.4

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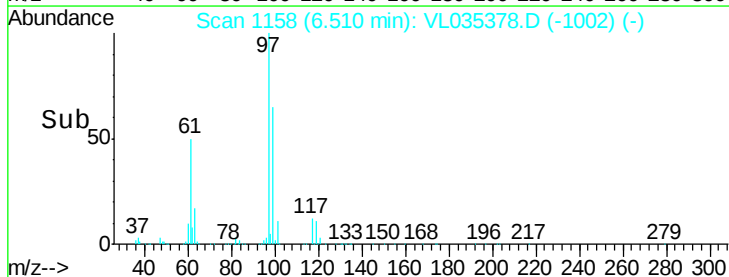
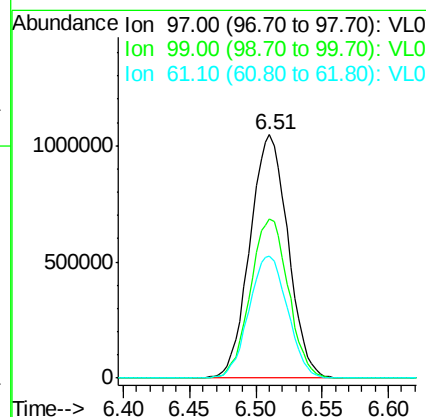
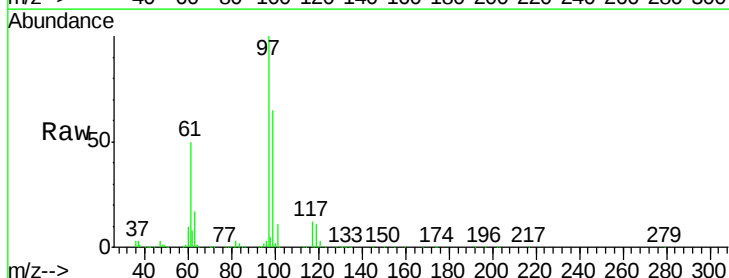
apatel
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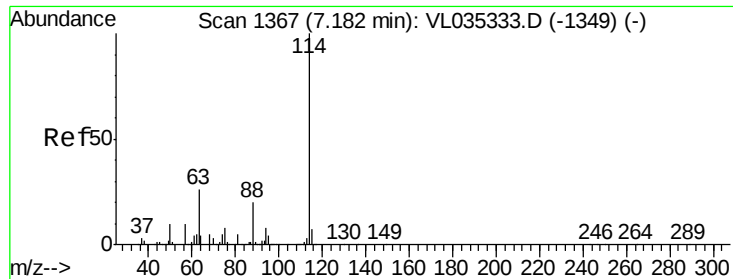


#32

1,1,1-Trichloroethane
Concen: 9.666 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. 0.00 min
Lab File: VL035378.D
Acq: 11 Aug 2020 7:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.2	78.4
61	50.9	40.9	61.3





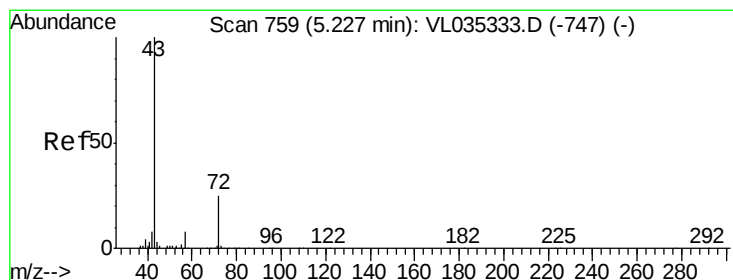
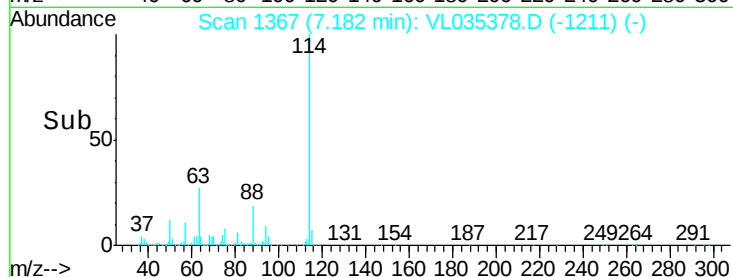
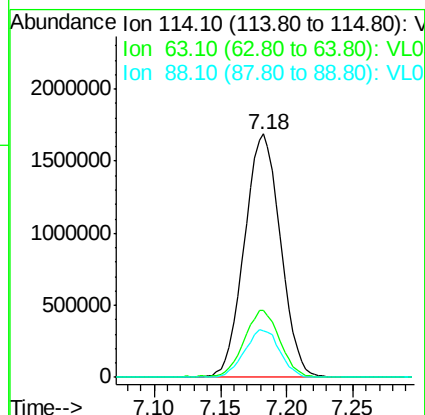
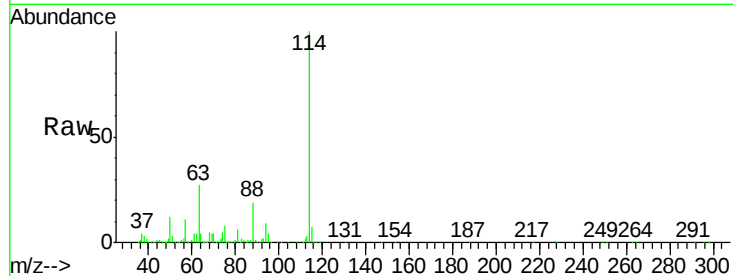
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VL035378.D
 Acq: 11 Aug 2020 7:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.6	21.3	31.9
88	19.0	15.3	22.9

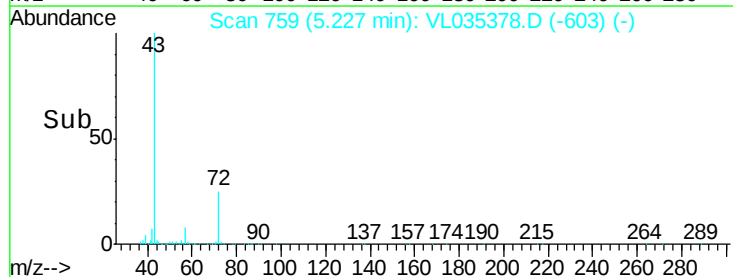
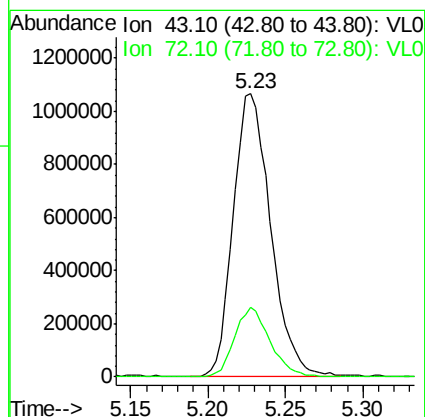
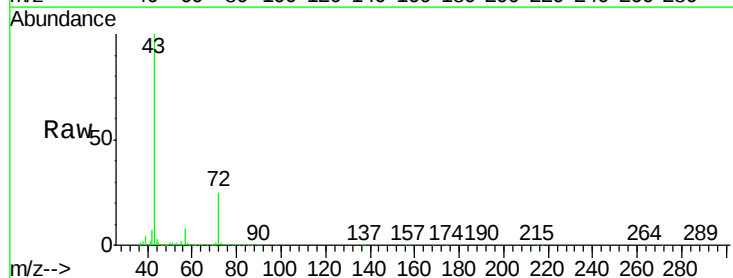
Manual Integrations
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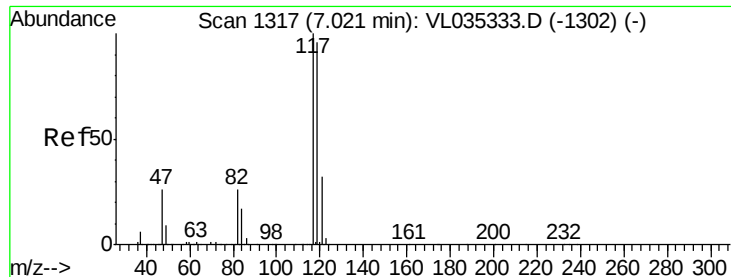
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#34
 2-Butanone
 Concen: 11.353 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VL035378.D
 Acq: 11 Aug 2020 7:59

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.9	28.3





#35

Carbon Tetrachloride

Concen: 10.137 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

Instrument :

MSVOA_L

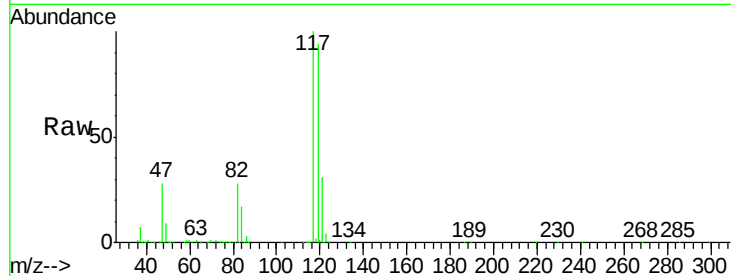
ClientSampleId :

VSTDCCC010EC

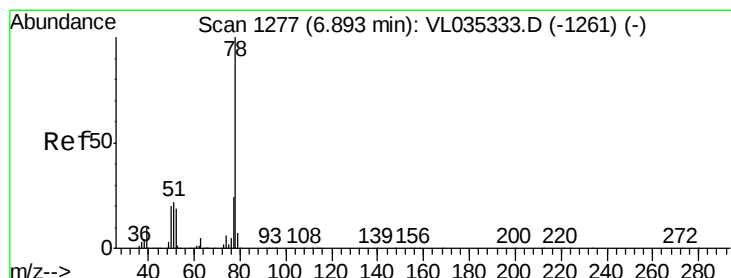
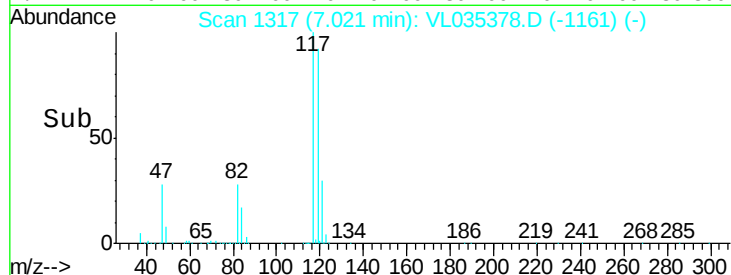
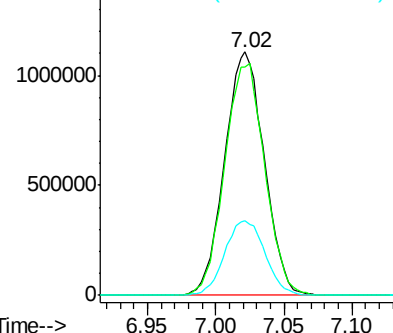
Tot Ion:	117	Resp:	2233446
Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.0	115.6
121	30.5	26.0	39.0

Manual Integrations
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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: 11.724 ppbv

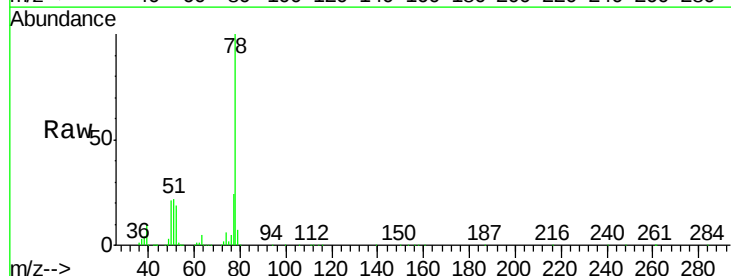
RT: 6.89 min Scan# 1277

Delta R.T. 0.00 min

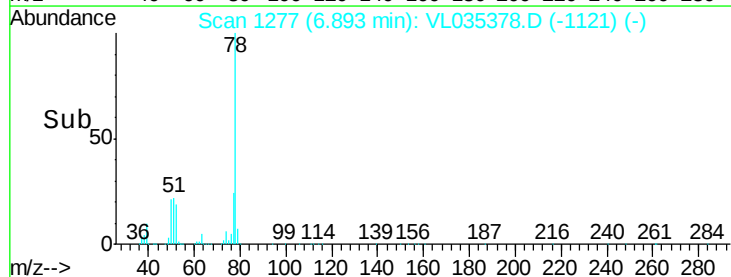
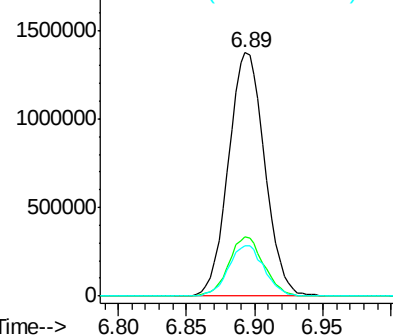
Lab File: VL035378.D

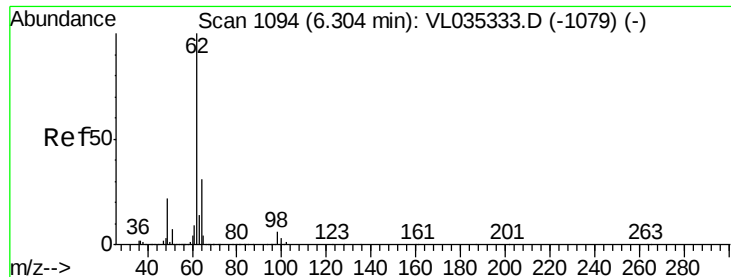
Acq: 11 Aug 2020 7:59

Tgt Ion:	78	Resp:	2534774
Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.3	28.9
50	20.6	16.3	24.5



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





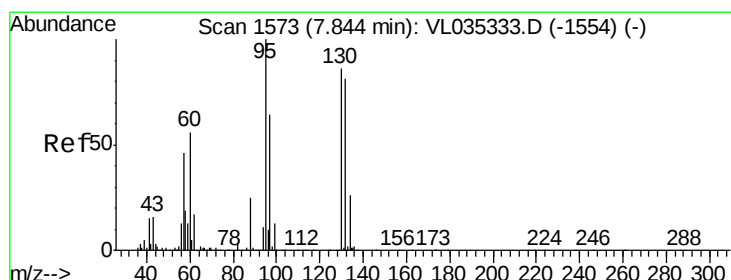
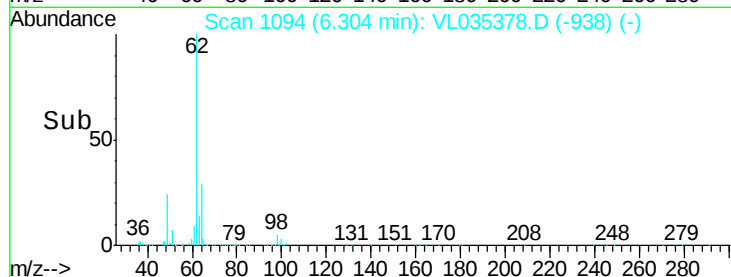
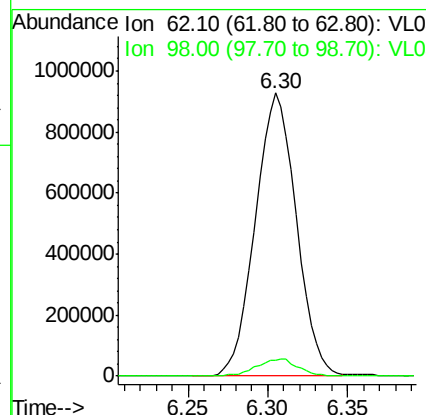
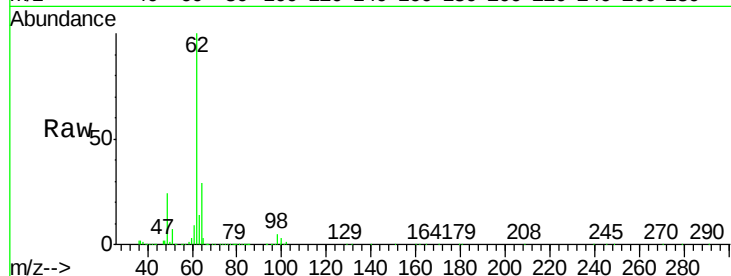
#37
 1,2-Dichloroethane
 Concen: 10.801 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. 0.00 min
 Lab File: VL035378.D
 Acq: 11 Aug 2020 7:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.1	4.6	7.0

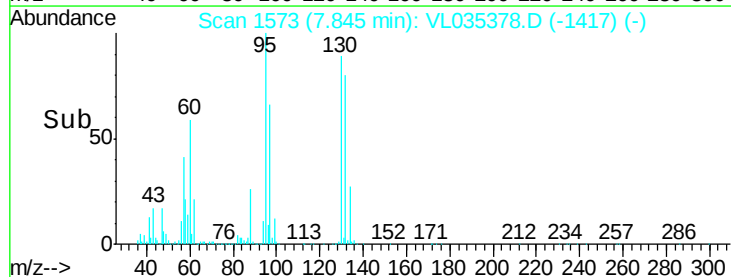
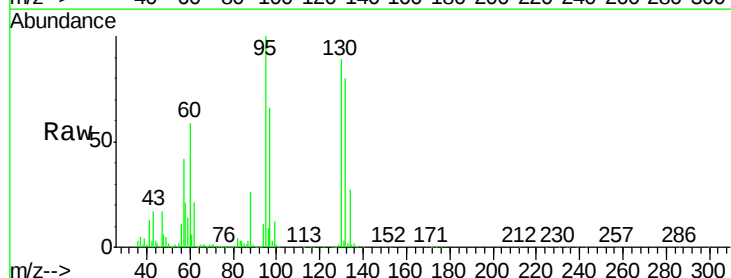
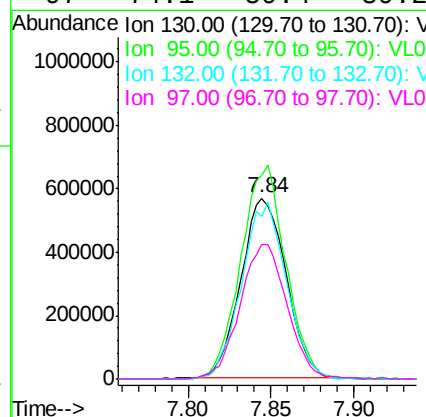
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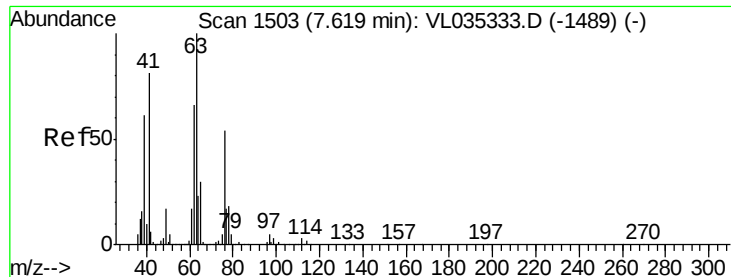
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#38
 Trichloroethene
 Concen: 10.874 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VL035378.D
 Acq: 11 Aug 2020 7:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.7	93.4	140.2
132	90.1	76.1	114.1
97	74.1	59.4	89.2





#39

1,2-Dichloropropane

Concen: 11.174 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. 0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

Instrument :

MSVOA_L

ClientSampleId :

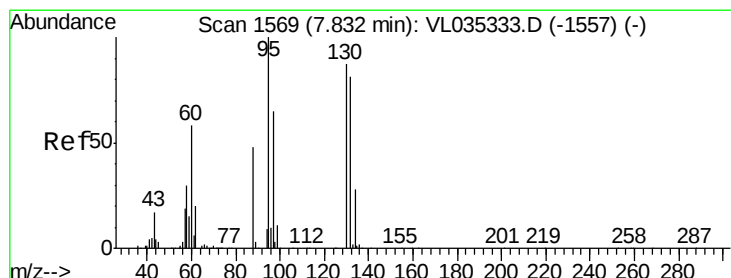
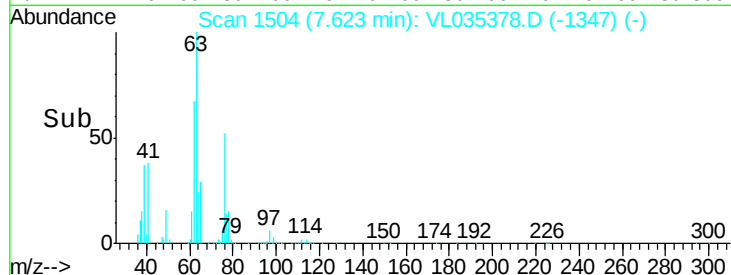
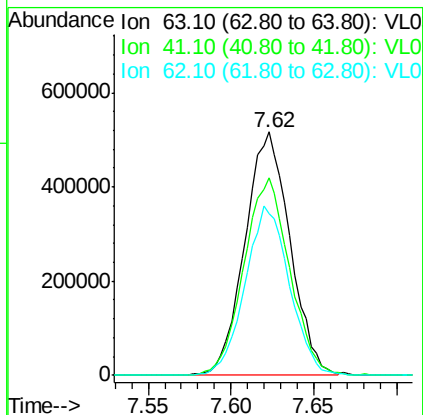
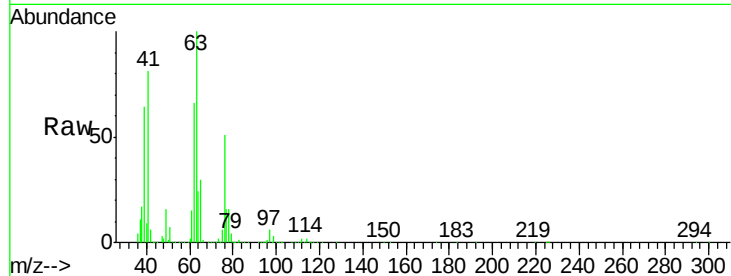
VSTDCCC010EC

Tot Ion: 63 Resp: 978008

Ion	Ratio	Lower	Upper
63	100		
41	80.9	64.4	96.6
62	66.4	52.6	78.8

Manual Integrations
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#40

1,4-Dioxane

Concen: 11.264 ppbv

RT: 7.84 min Scan# 1571

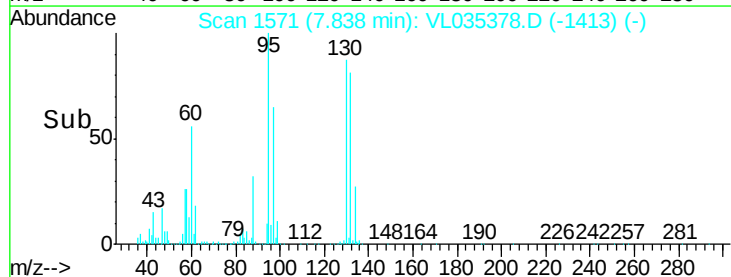
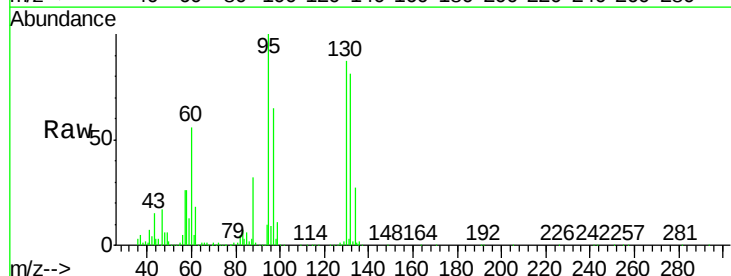
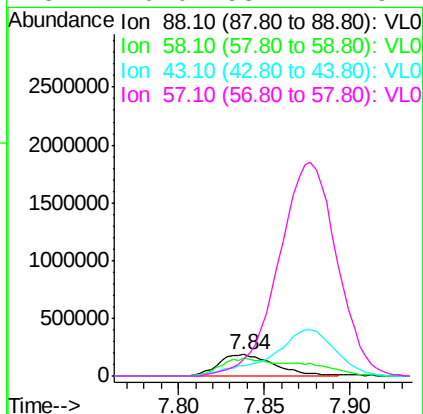
Delta R.T. 0.01 min

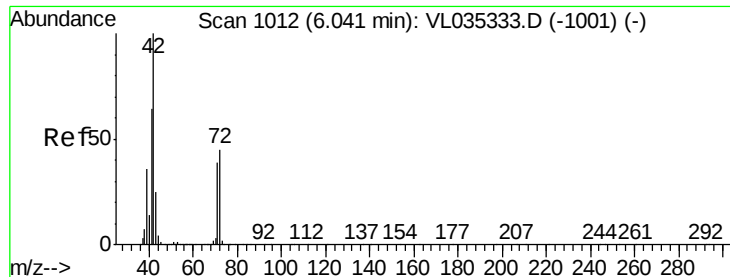
Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

Tgt Ion: 88 Resp: 422210

Ion	Ratio	Lower	Upper
88	100		
58	125.4	96.7	145.1
43	0.0	190.7	286.1#
57	0.0	834.1	1251.1#





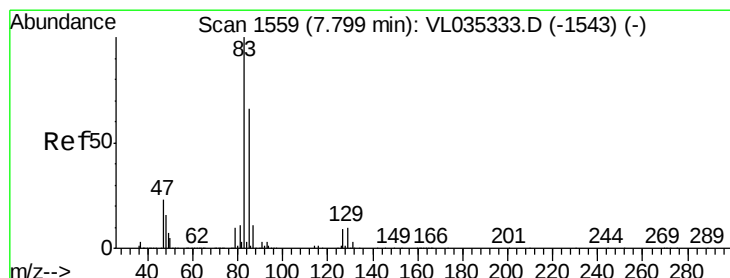
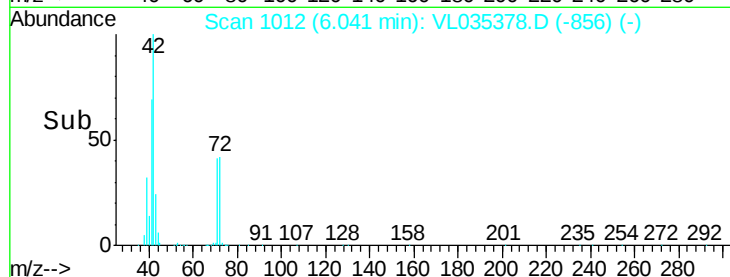
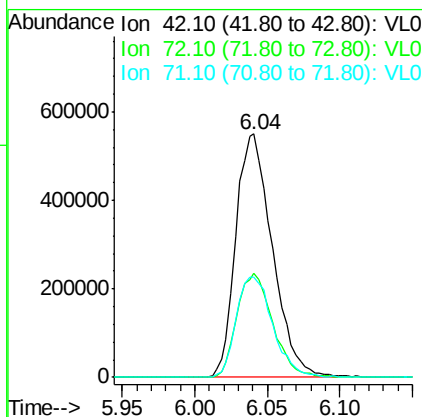
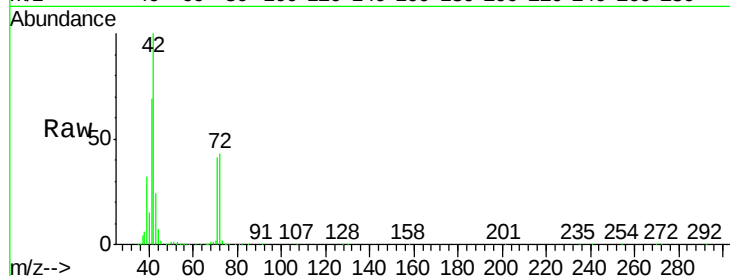
#41
Tetrahydrofuran
Concen: 12.460 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VL035378.D
Acq: 11 Aug 2020 7:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.6	50.4
71	41.7	33.1	49.7

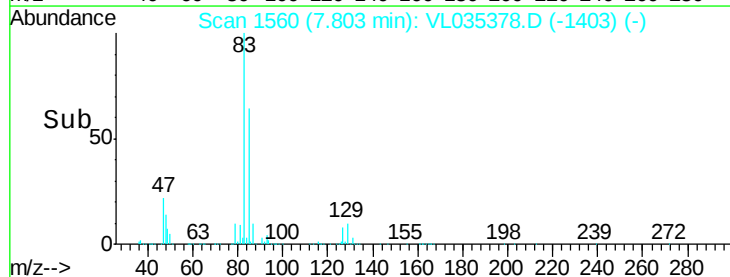
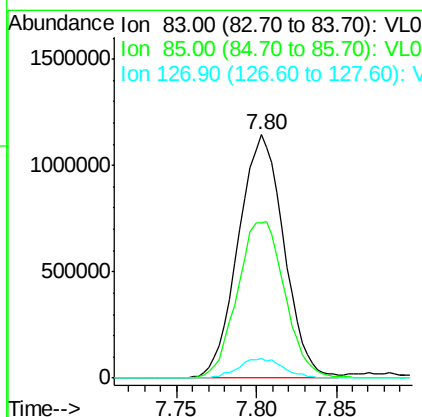
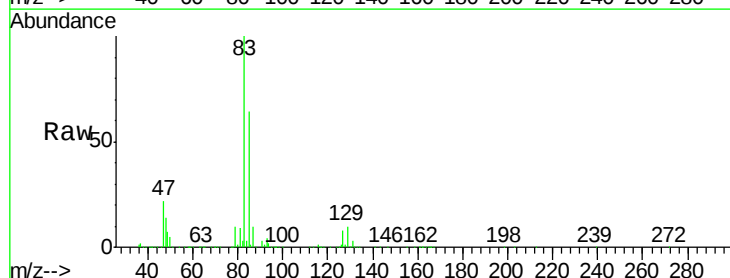
Manual Integrations
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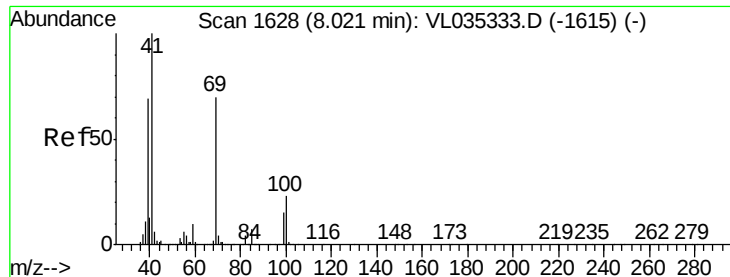
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#42
Bromodichloromethane
Concen: 10.993 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VL035378.D
Acq: 11 Aug 2020 7:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	53.1	79.7
127	8.1	6.8	10.2





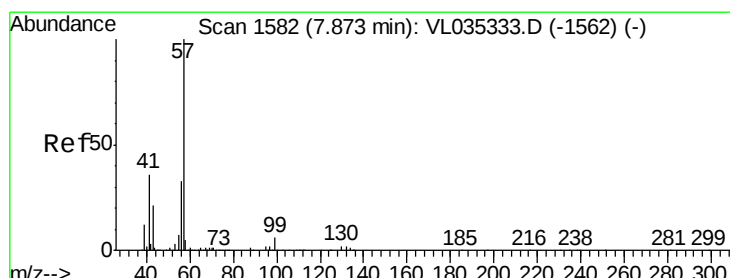
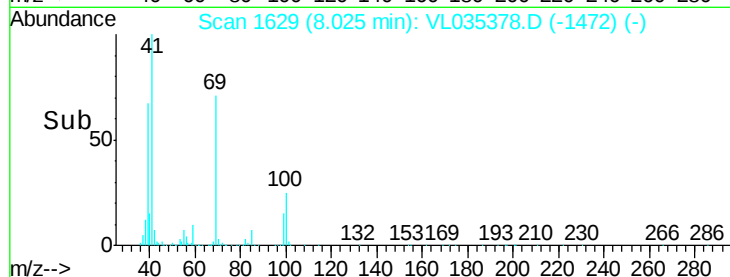
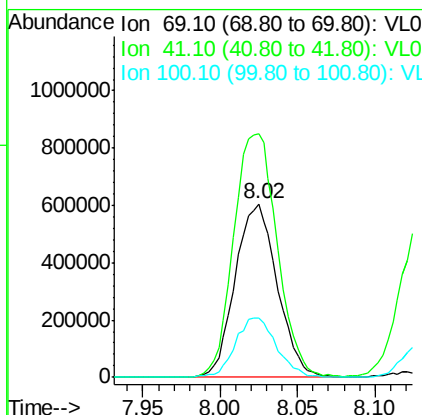
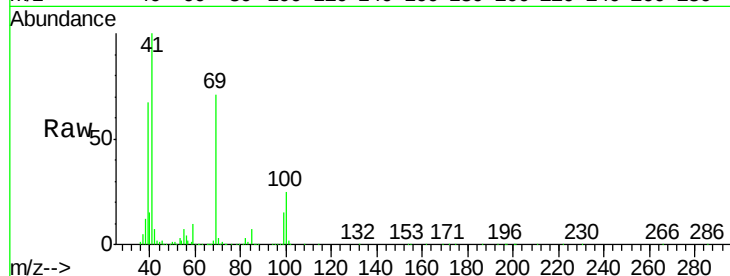
#43
Methvl Methacrylate
Concen: 12.566 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VL035378.D
Acq: 11 Aug 2020 7:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1142979
Ion Ratio Lower Upper
69 100
41 145.8 115.8 173.6
100 33.7 26.7 40.1

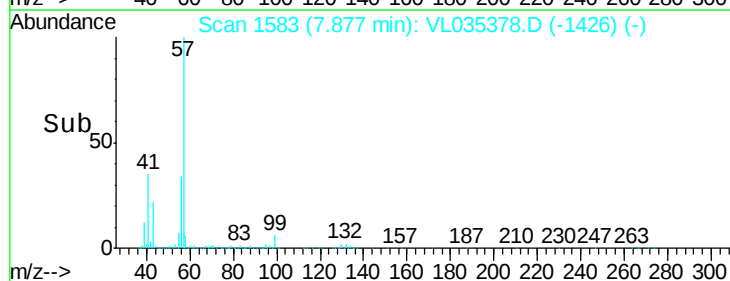
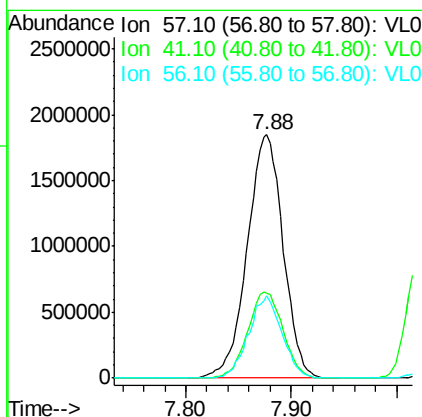
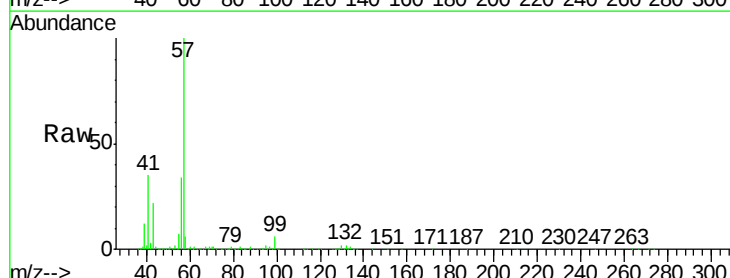
Manual Integrations
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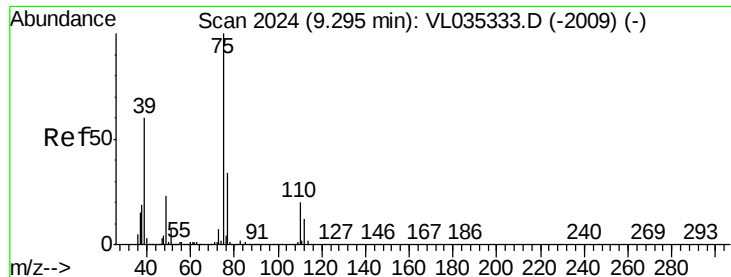
apatel
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#44
2,2,4-Trimethylpentane
Concen: 11.385 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VL035378.D
Acq: 11 Aug 2020 7:59

Tgt Ion: 57 Resp: 4372891
Ion Ratio Lower Upper
57 100
41 34.9 27.9 41.9
56 31.5 25.4 38.0





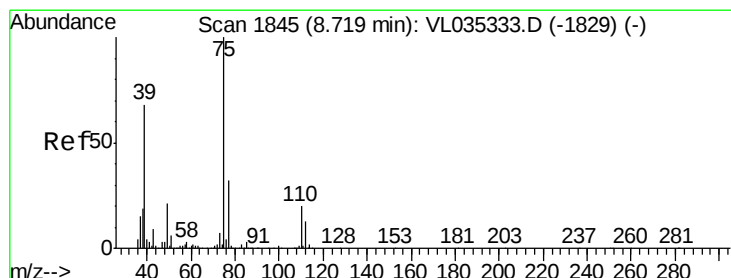
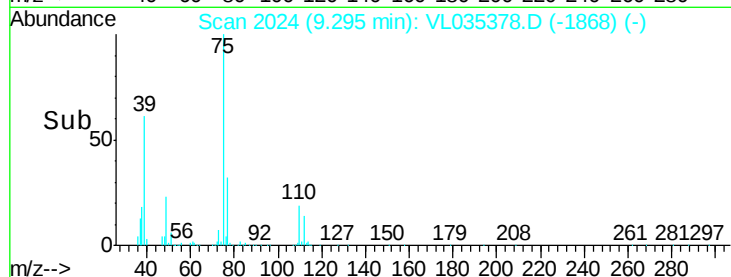
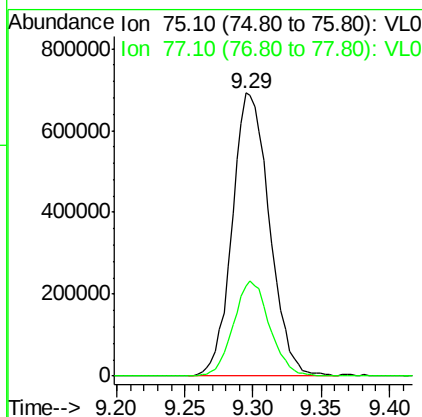
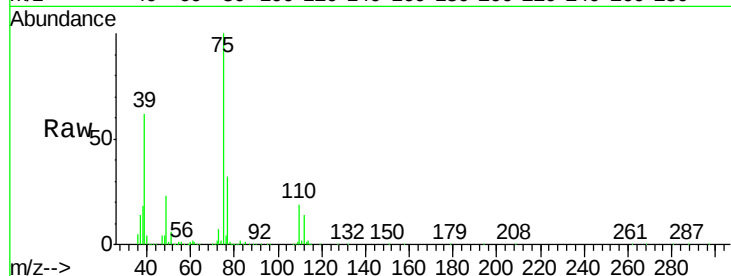
#45
t-1,3-Dichloropropene
Concen: 13.911 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. 0.00 min
Lab File: VL035378.D
Acq: 11 Aug 2020 7:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1312531
Ion Ratio Lower Upper
75 100
77 32.0 27.0 40.6

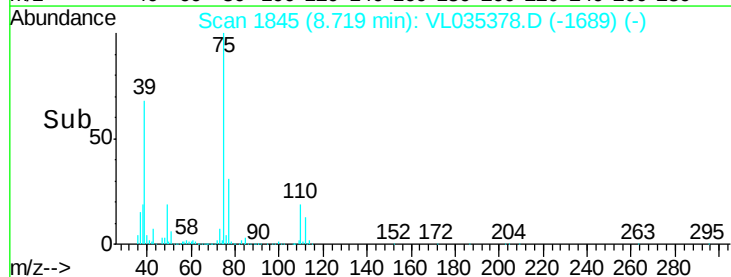
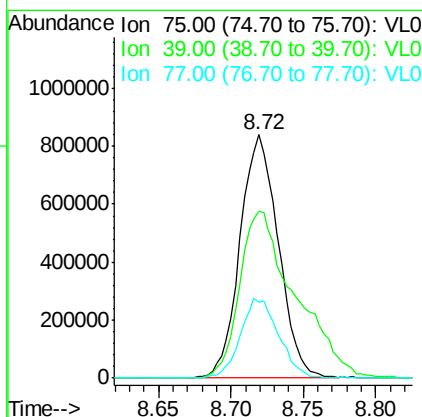
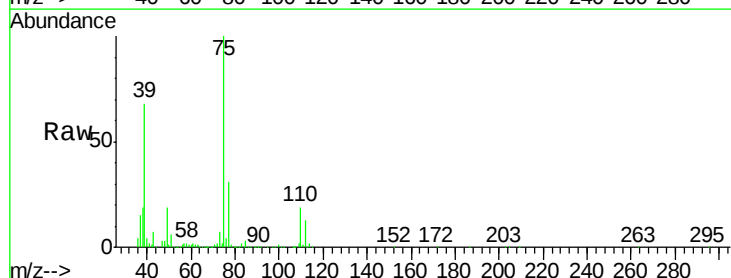
Manual Integrations
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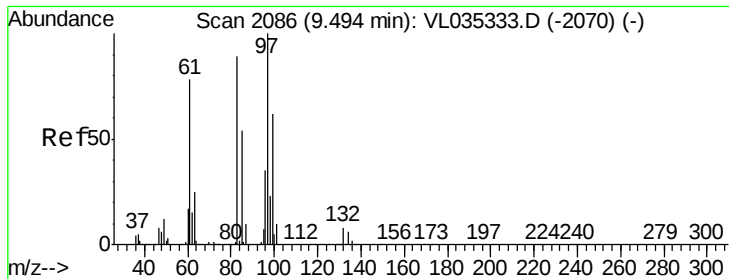
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#46
cis-1,3-Dichloropropene
Concen: 13.539 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. 0.00 min
Lab File: VL035378.D
Acq: 11 Aug 2020 7:59

Tgt Ion: 75 Resp: 1542761
Ion Ratio Lower Upper
75 100
39 68.2 54.2 81.2
77 31.3 25.4 38.2





#47

1,1,2-Trichloroethane

Concen: 10.558 ppbv

RT: 9.50 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 97 Resp: 1111066

Ion Ratio Lower Upper

97 100

83 87.4 71.3 106.9

85 57.5 43.3 64.9

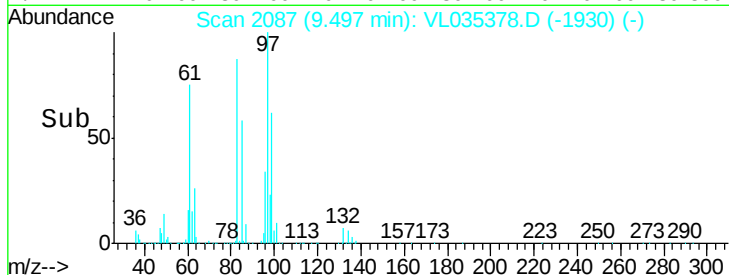
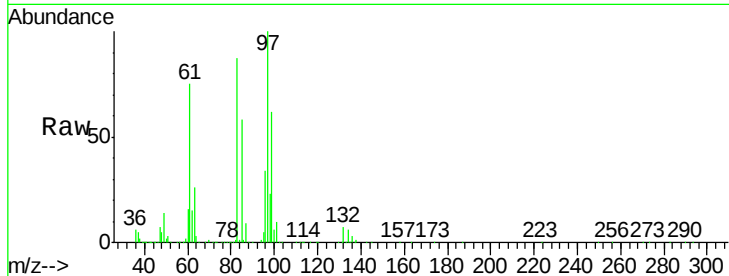
99 61.7 49.8 74.8

Manual Integrations

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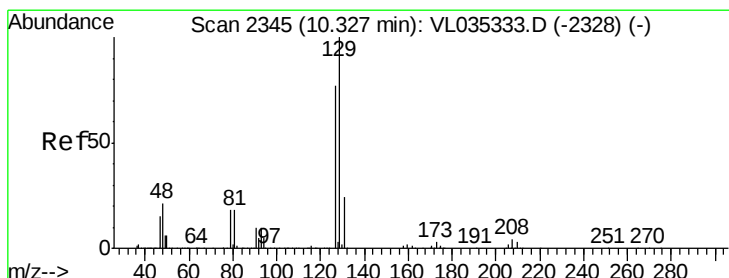
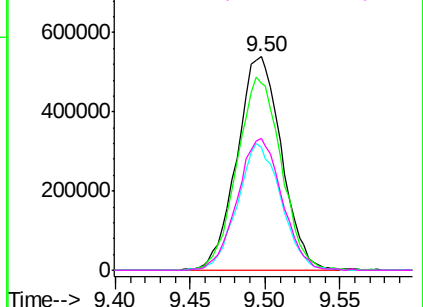
Abundance

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: 11.264 ppbv

RT: 10.33 min Scan# 2347

Delta R.T. 0.01 min

Lab File: VL035378.D

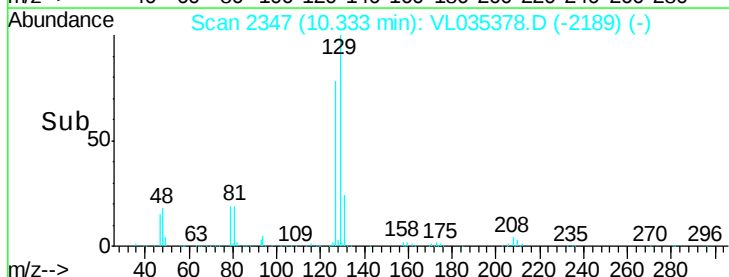
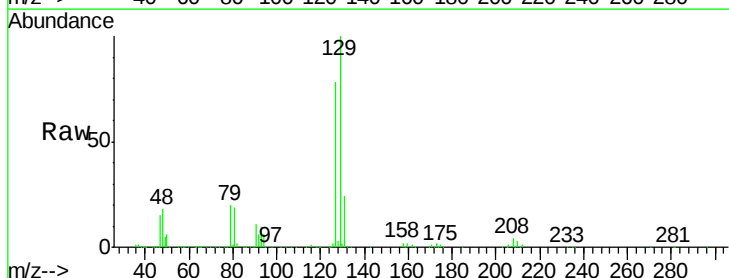
Acq: 11 Aug 2020 7:59

Tgt Ion: 129 Resp: 1941792

Ion Ratio Lower Upper

129 100

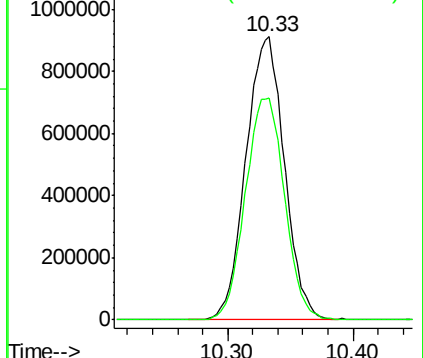
127 80.1 39.1 117.2

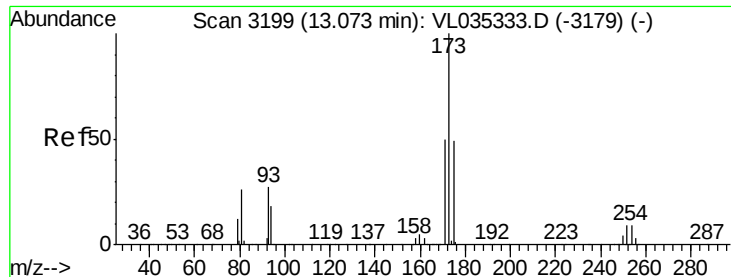


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.674 ppbv

RT: 13.08 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1833704

Ion Ratio Lower Upper

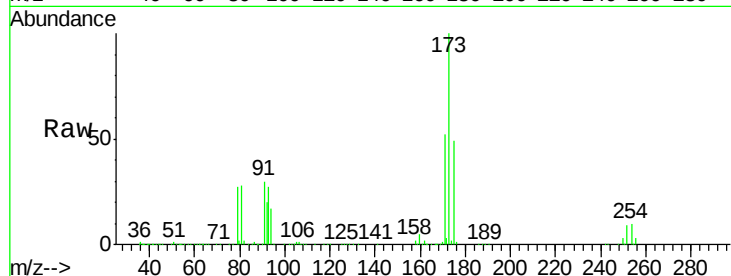
173 100

175 49.3 39.3 58.9

171 51.3 41.2 61.8

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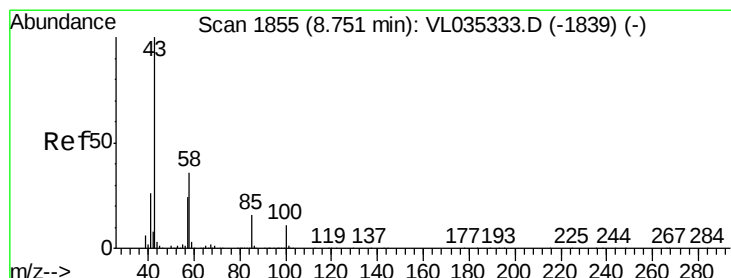
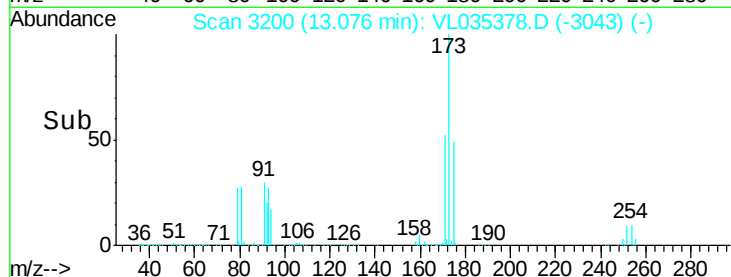
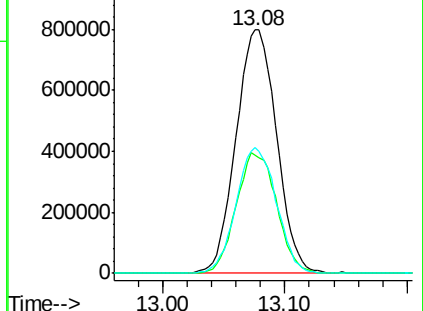
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.375 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VL035378.D

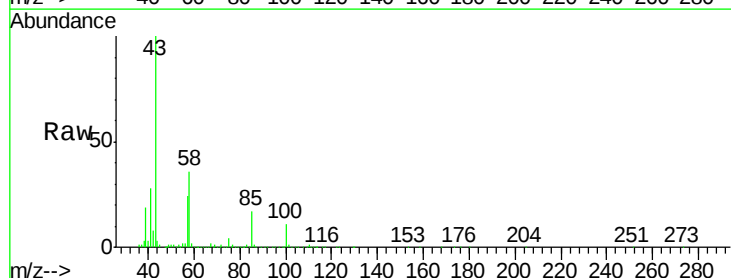
Acq: 11 Aug 2020 7:59

Tgt Ion: 43 Resp: 2737933

Ion Ratio Lower Upper

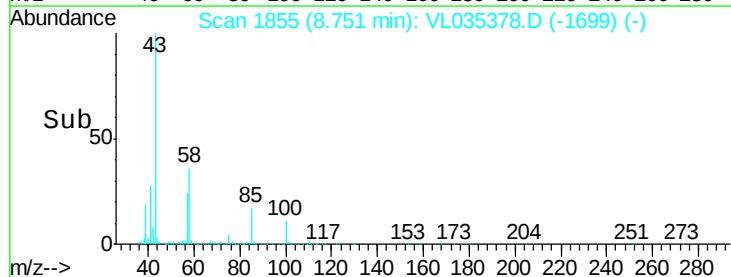
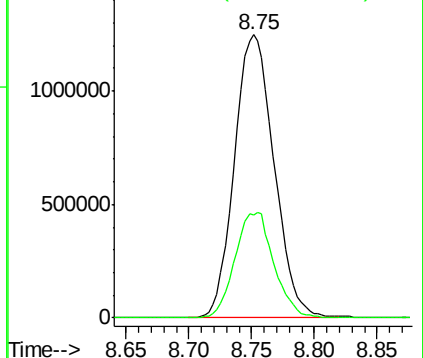
43 100

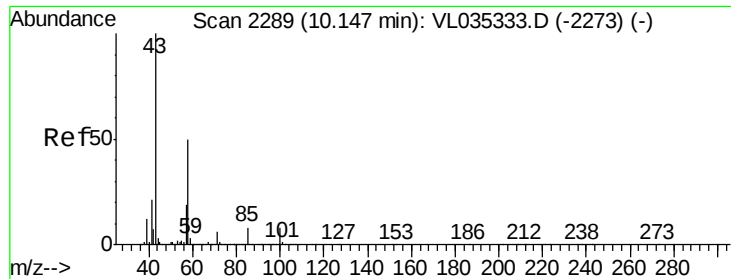
58 36.7 29.2 43.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





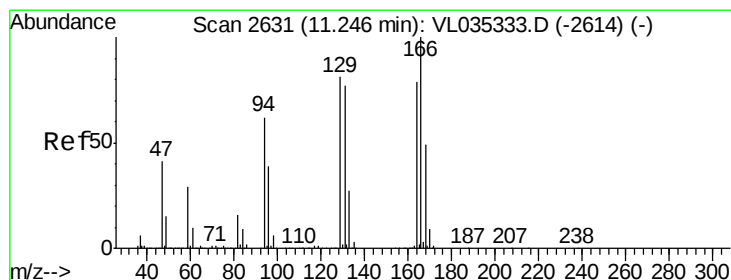
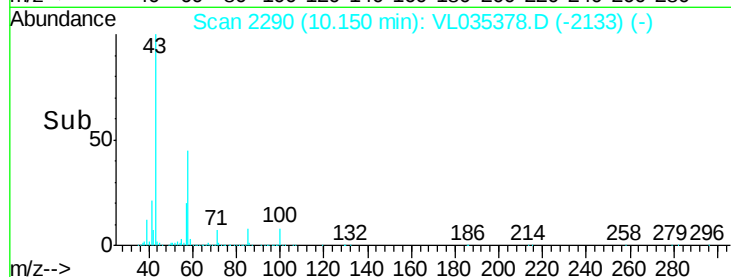
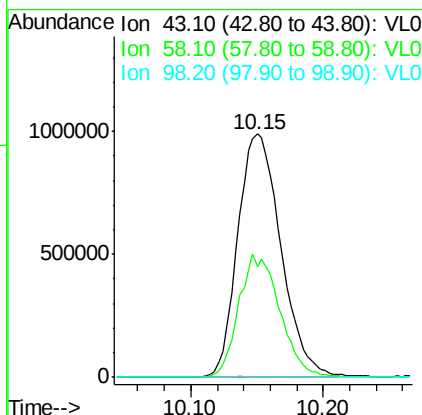
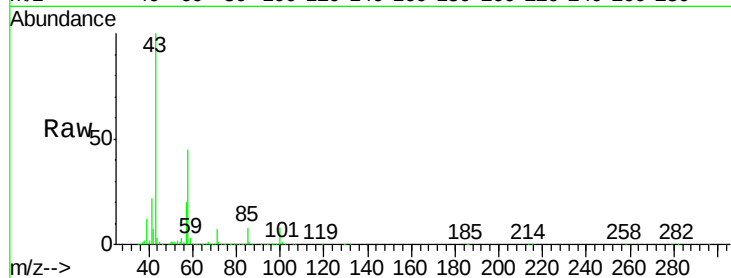
#51
2-Hexanone
Concen: 11.879 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. 0.00 min
Lab File: VL035378.D
Acq: 11 Aug 2020 7:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 2241639
Ion Ratio Lower Upper
43 100
58 48.1 39.4 59.2
98 0.6 0.2 0.4#

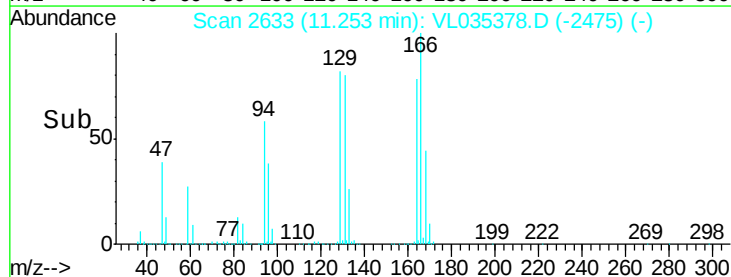
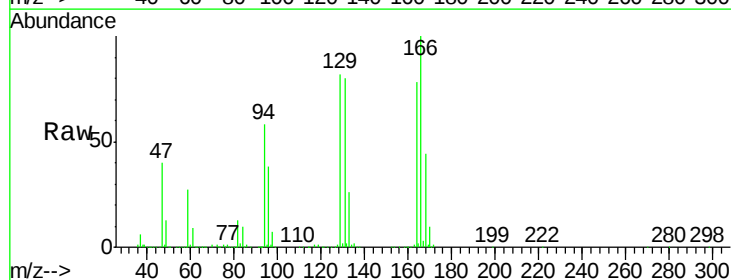
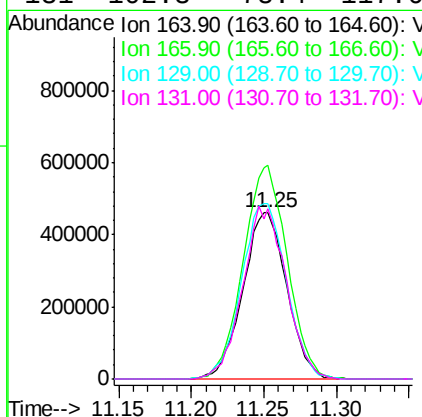
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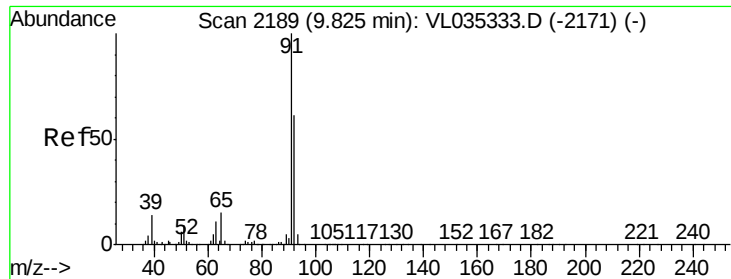
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#52
Tetrachloroethene
Concen: 11.336 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. 0.01 min
Lab File: VL035378.D
Acq: 11 Aug 2020 7:59

Tgt Ion: 164 Resp: 971704
Ion Ratio Lower Upper
164 100
166 128.3 101.4 152.0
129 105.3 82.1 123.1
131 102.3 78.4 117.6





#53

Toluene

Concen: 12.881 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3029426

Ion Ratio Lower Upper

91 100

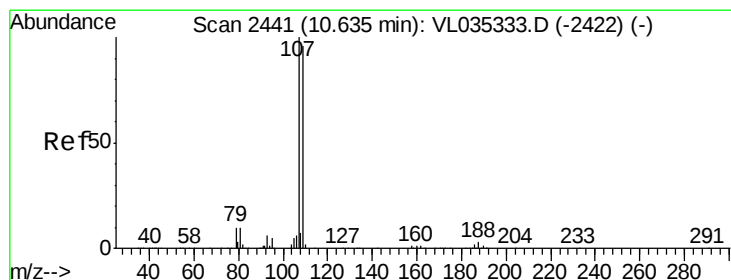
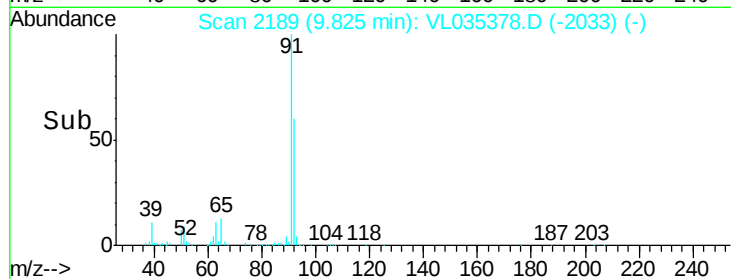
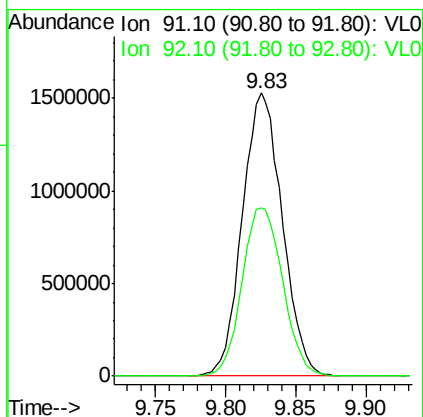
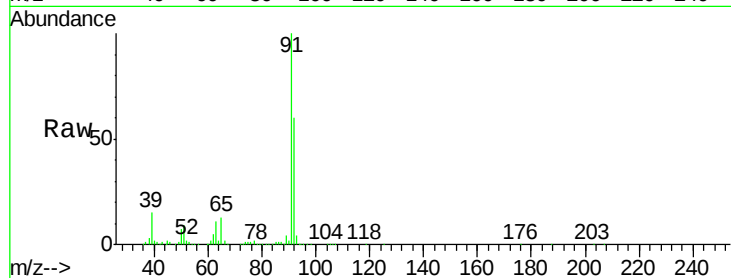
92 60.8 48.5 72.7

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 11.457 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. 0.00 min

Lab File: VL035378.D

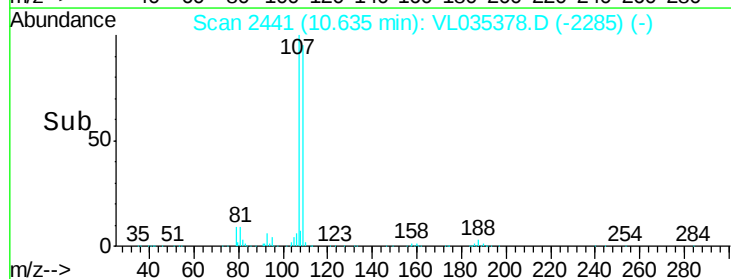
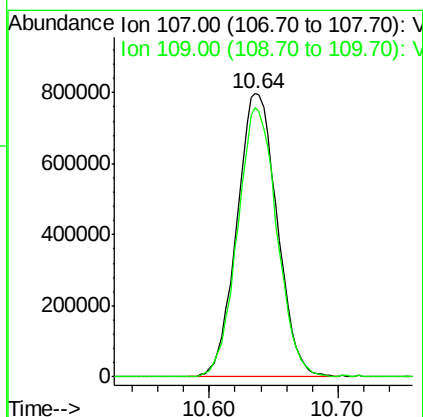
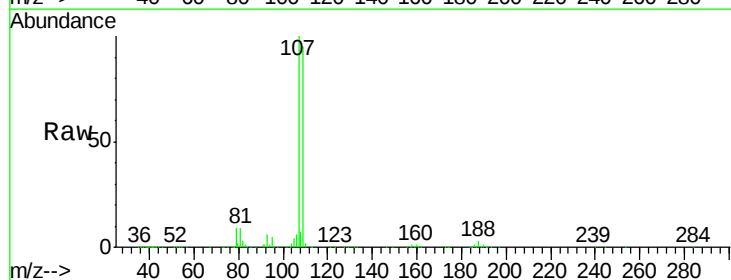
Acq: 11 Aug 2020 7:59

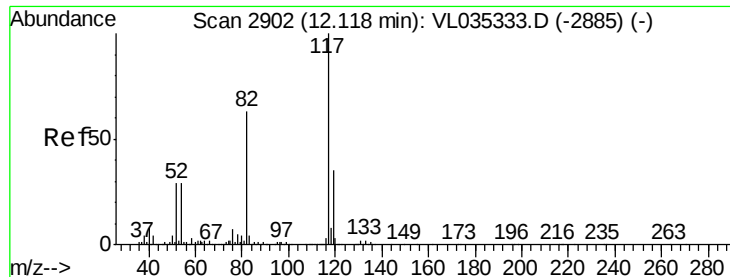
Tgt Ion: 107 Resp: 1729744

Ion Ratio Lower Upper

107 100

109 94.9 76.8 115.2





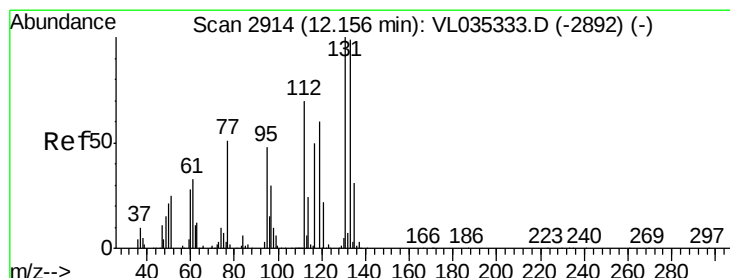
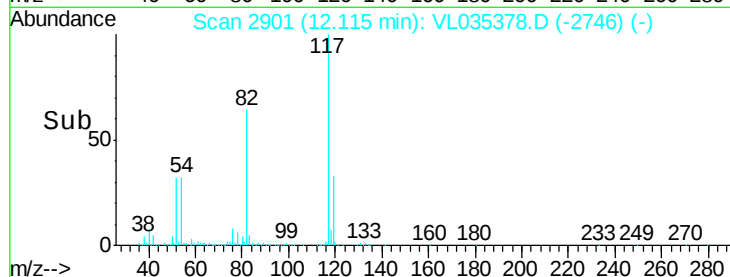
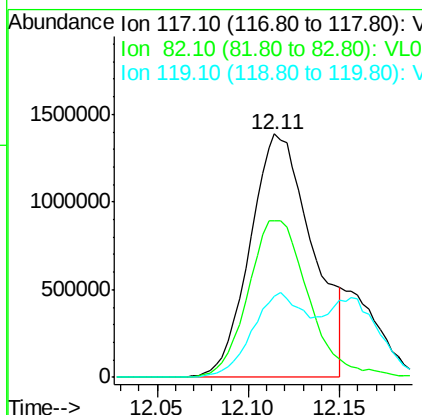
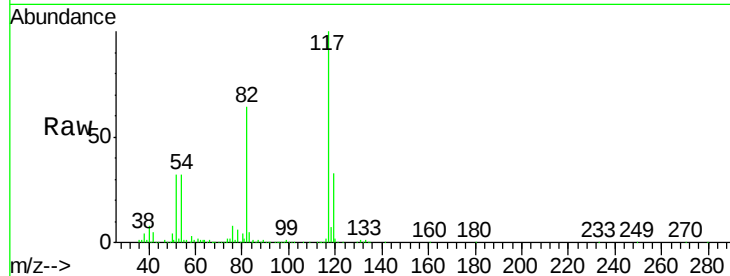
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL035378.D
Acq: 11 Aug 2020 7:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.0	51.0	76.4
119	32.8	24.7	37.1

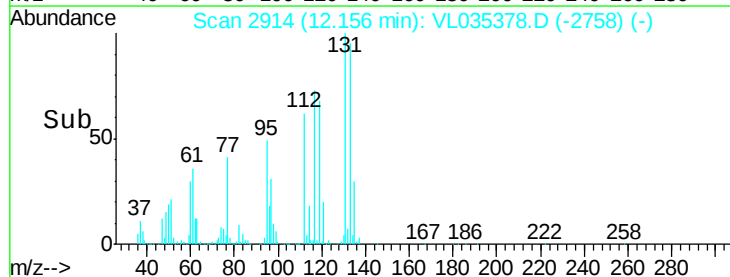
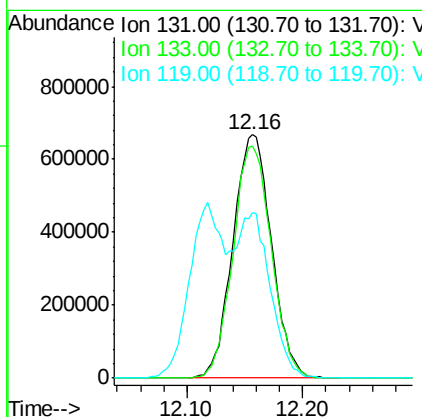
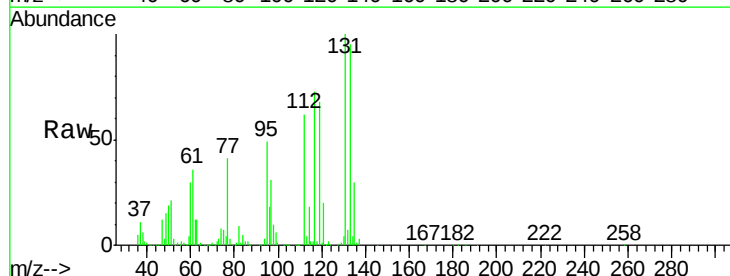
Manual Integrations
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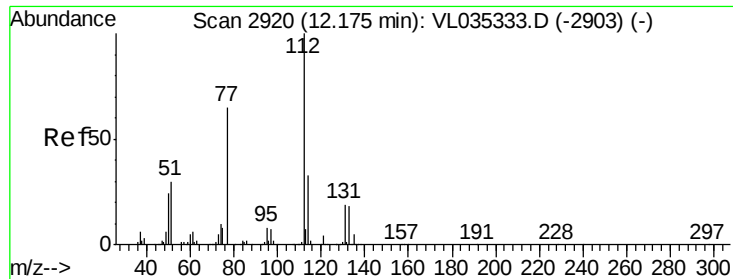
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.904 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL035378.D
Acq: 11 Aug 2020 7:59

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	75.4	113.2
119	60.6	43.7	65.5





#57

Chlorobenzene

Concen: 9.962 ppbv

RT: 12.18 min Scan# 2921

Delta R.T. 0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 112 Resp: 2467574

Ion Ratio Lower Upper

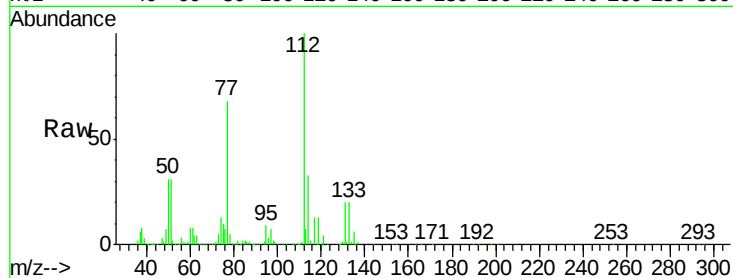
112 100

77 67.9 53.3 79.9

114 32.6 29.8 36.4

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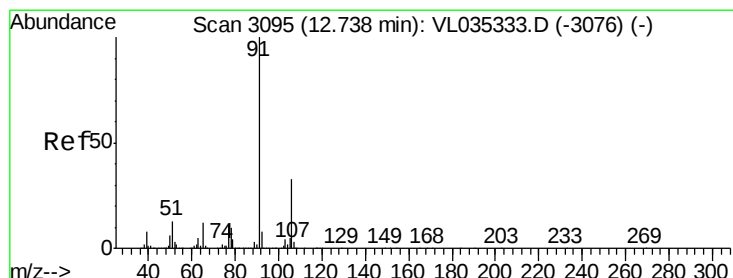
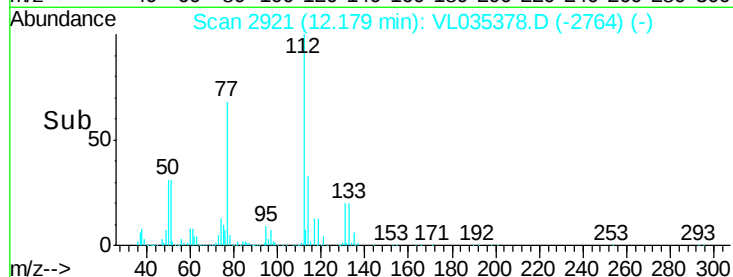
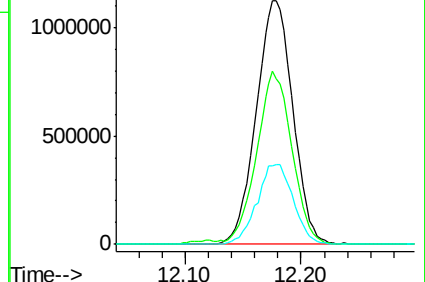
apatel
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 11.976 ppbv

RT: 12.74 min Scan# 3095

Delta R.T. 0.00 min

Lab File: VL035378.D

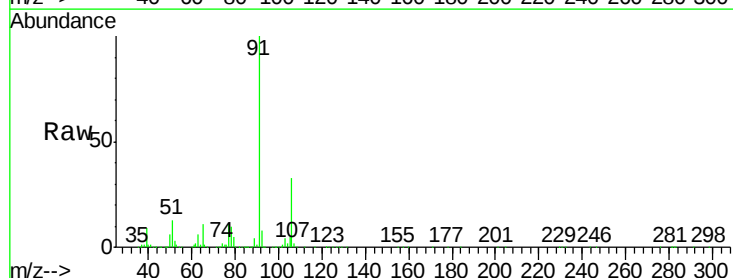
Acq: 11 Aug 2020 7:59

Tgt Ion: 91 Resp: 4099158

Ion Ratio Lower Upper

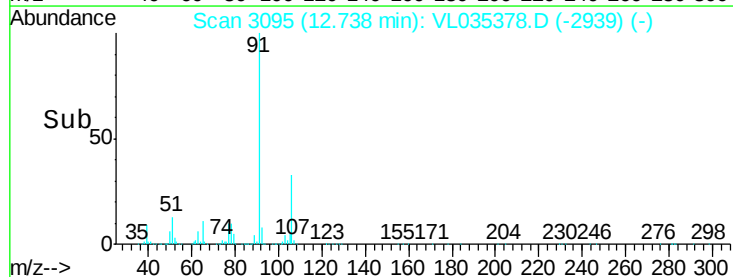
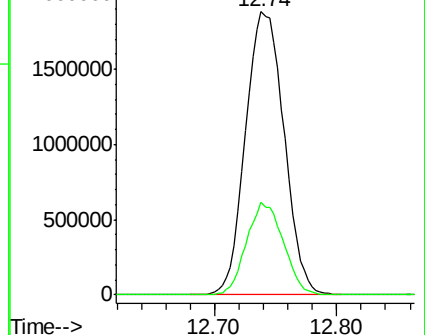
91 100

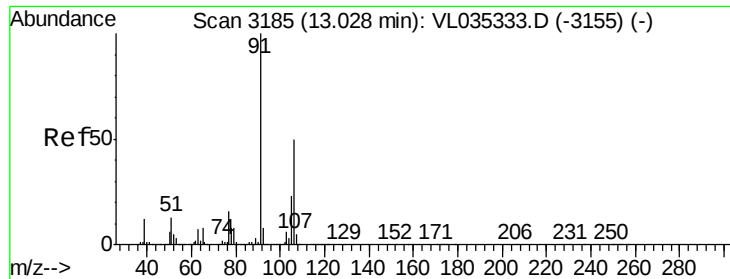
106 32.5 26.8 40.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 21.892 ppbv m

RT: 13.03 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 6977604

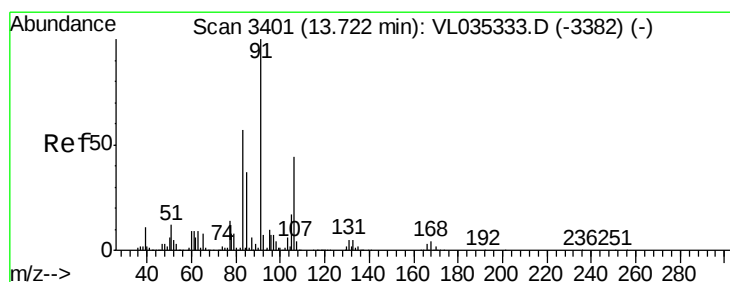
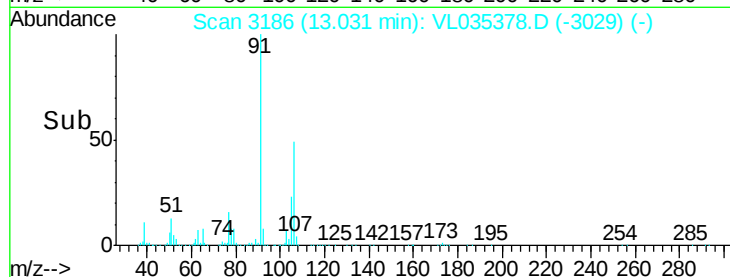
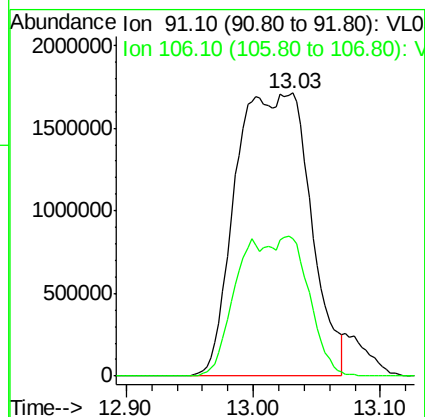
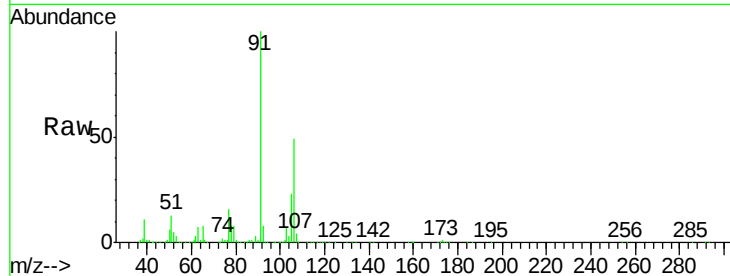
Ion Ratio Lower Upper

91 100

106 0.0 37.8 56.8#

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#60

o-Xylene

Concen: 11.171 ppbv

RT: 13.73 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VL035378.D

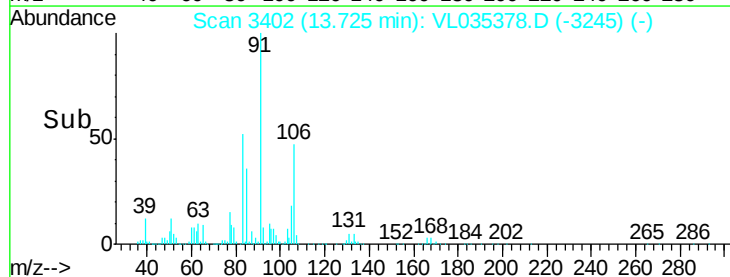
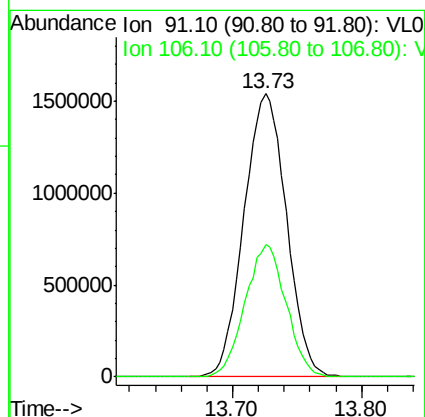
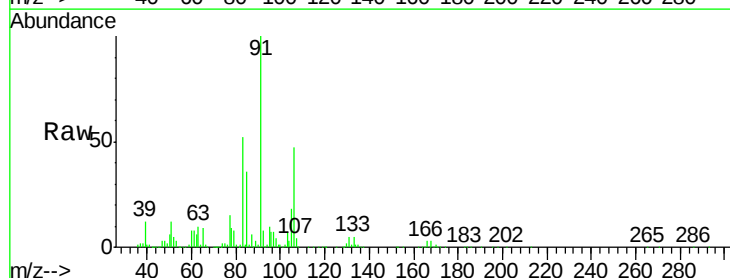
Acq: 11 Aug 2020 7:59

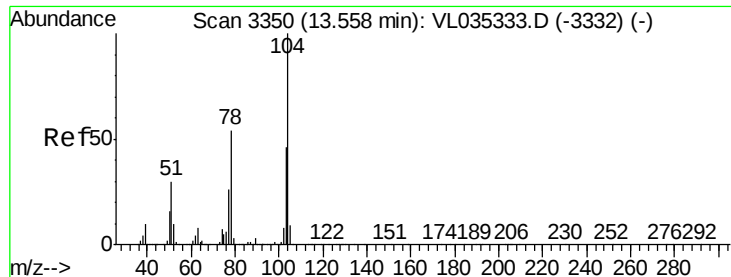
Tgt Ion: 91 Resp: 3533148

Ion Ratio Lower Upper

91 100

106 45.1 22.7 68.0





#61

Stvrene

Concen: 12.916 ppbv

RT: 13.56 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 2494848

Ion Ratio Lower Upper

104 100

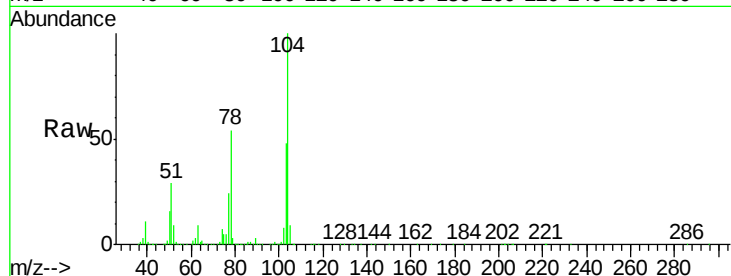
78 54.5 42.6 63.8

103 47.3 38.1 57.1

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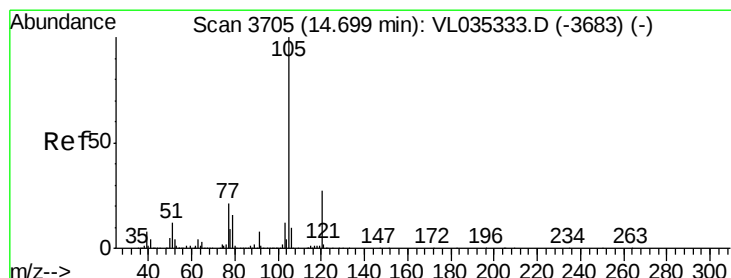
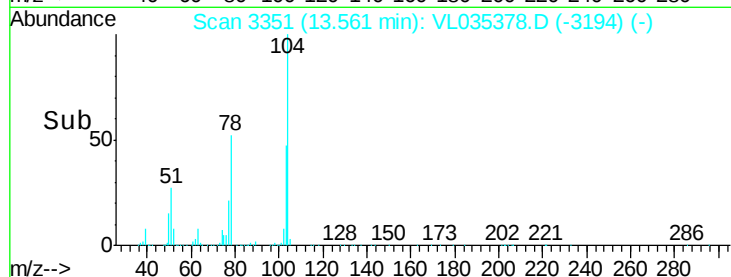
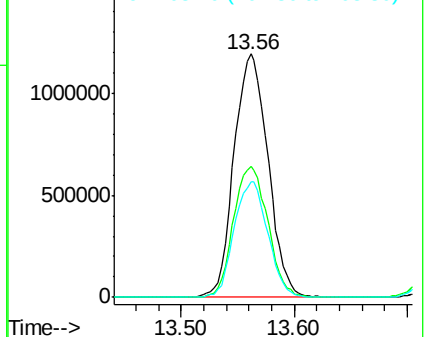
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.955 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. 0.00 min

Lab File: VL035378.D

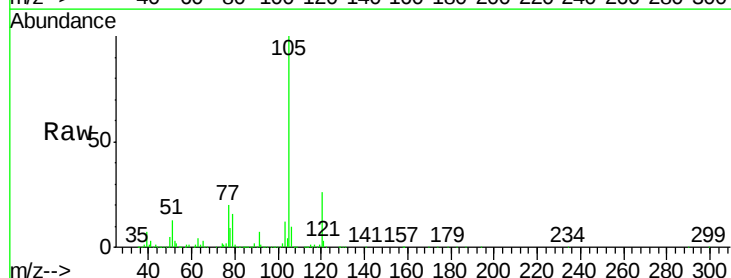
Acq: 11 Aug 2020 7:59

Tgt Ion:105 Resp: 5217153

Ion Ratio Lower Upper

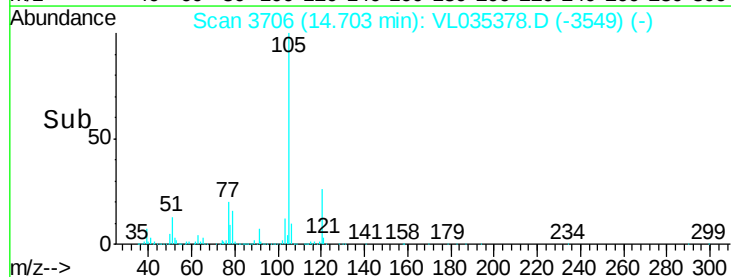
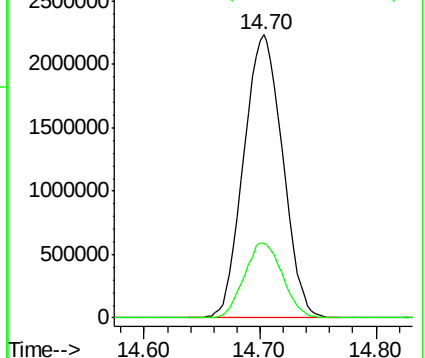
105 100

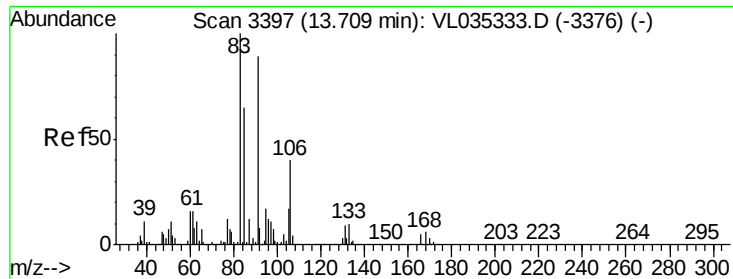
120 26.1 21.1 31.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





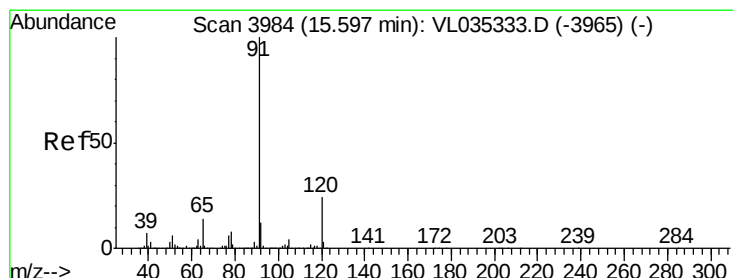
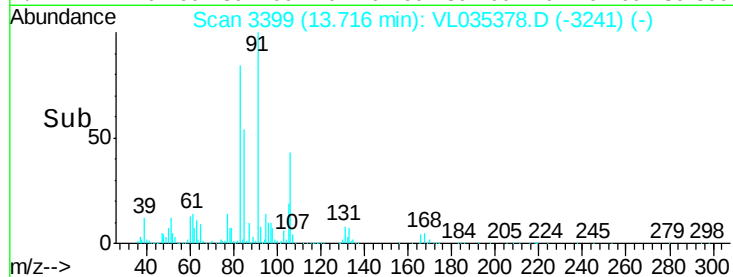
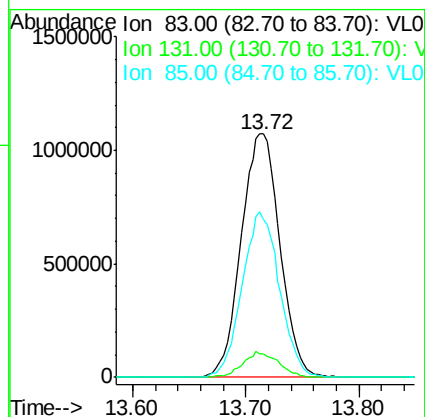
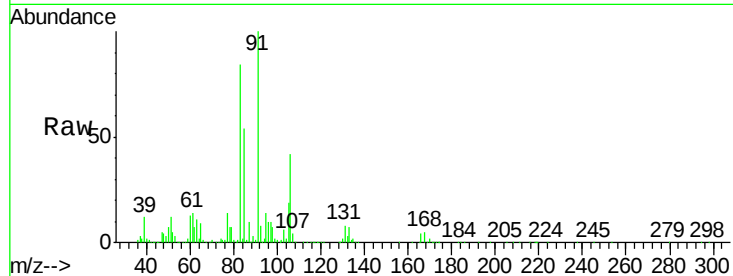
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.445 ppbv
 RT: 13.72 min Scan# 3399
 Delta R.T. 0.01 min
 Lab File: VL035378.D
 Acq: 11 Aug 2020 7:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	83	Resp	2548601
Ion Ratio	100	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	65.7	32.6	98.0

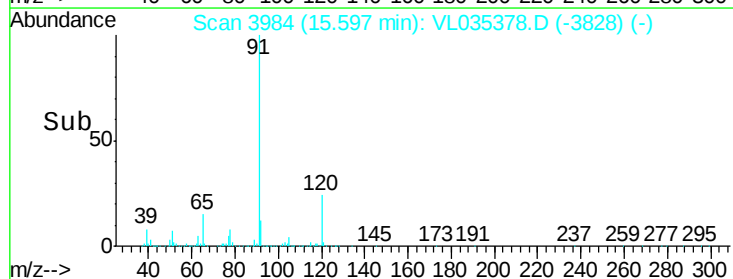
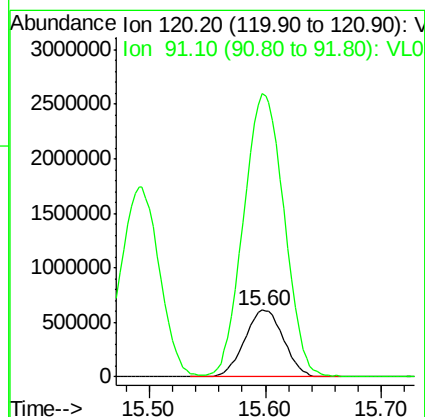
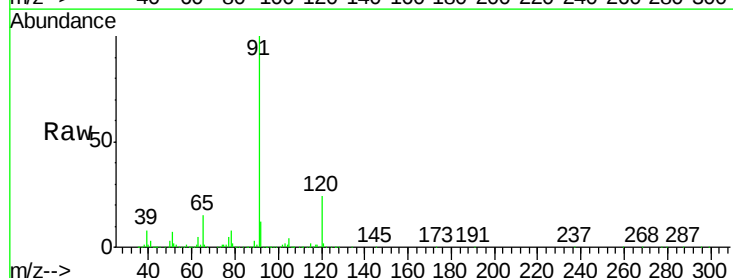
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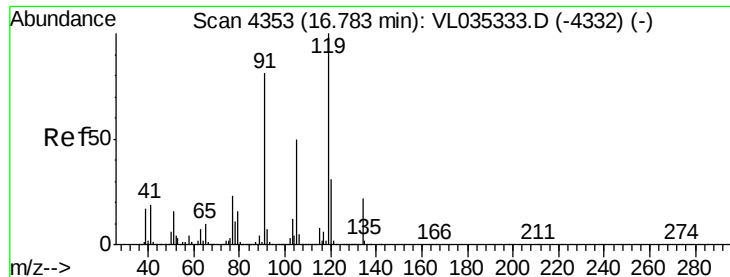
apatel
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#64
 n-propylbenzene
 Concen: 11.200 ppbv
 RT: 15.60 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VL035378.D
 Acq: 11 Aug 2020 7:59

Tgt Ion	120	Resp	1433432
Ion Ratio	100	Lower	Upper
120	100		
91	442.1	357.2	535.8





#65

tert-Butylbenzene

Concen: 10.964 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 119 Resp: 4781170

Ion Ratio Lower Upper

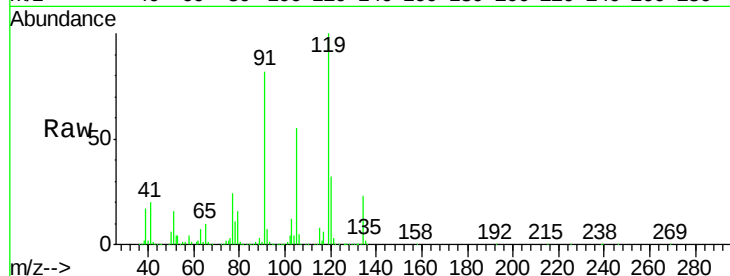
119 100

91 83.1 66.3 99.5

134 20.1 16.2 24.2

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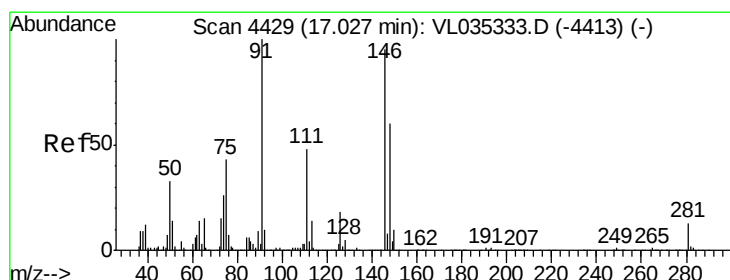
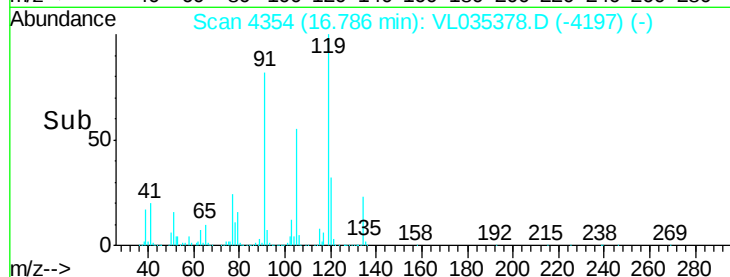
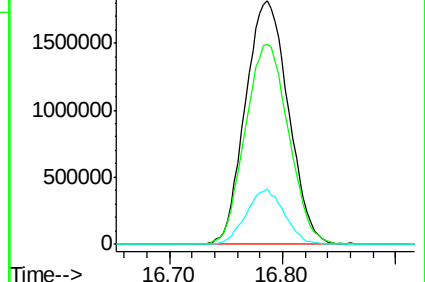
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 12.144 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. 0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

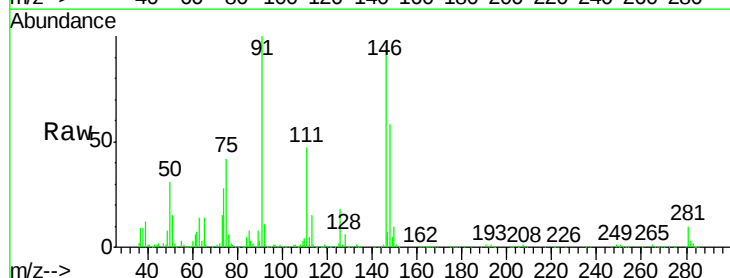
Tgt Ion: 91 Resp: 2096139

Ion Ratio Lower Upper

91 100

126 17.5 14.1 21.1

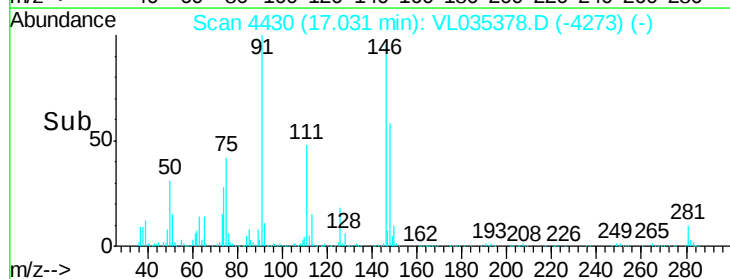
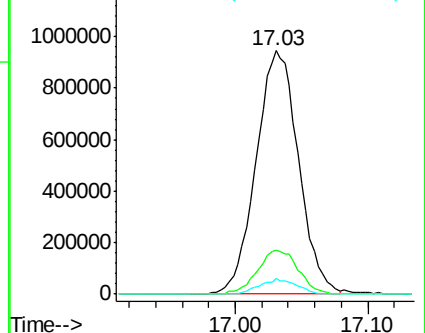
128 5.5 4.5 6.7

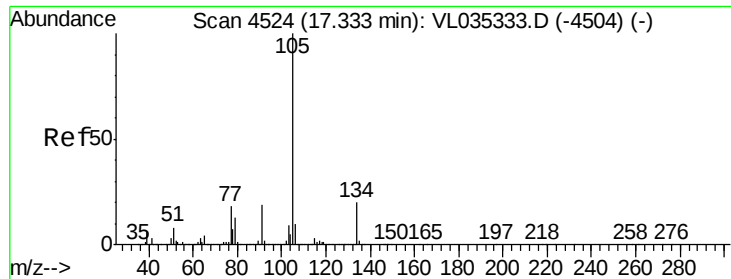


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





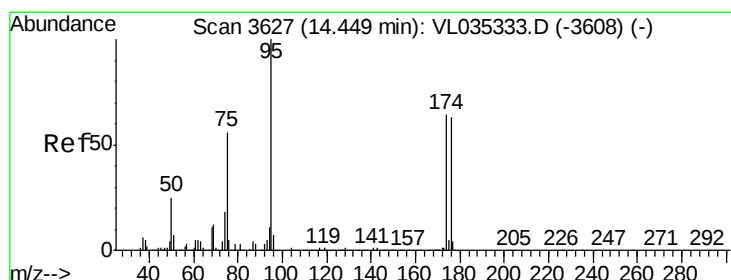
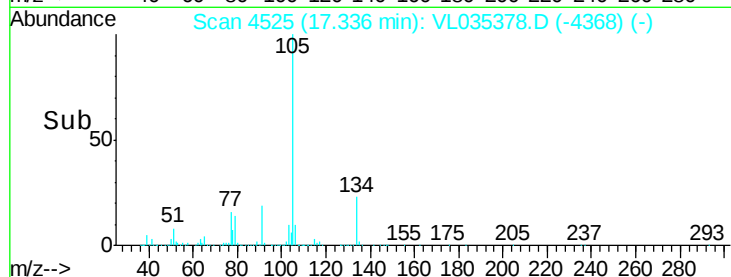
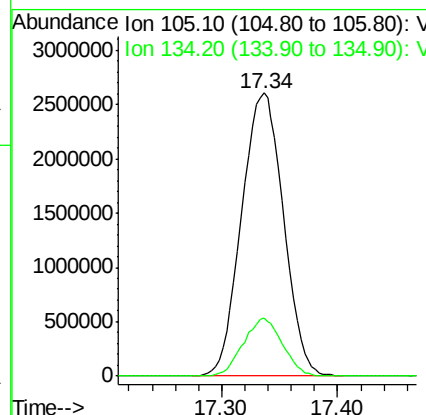
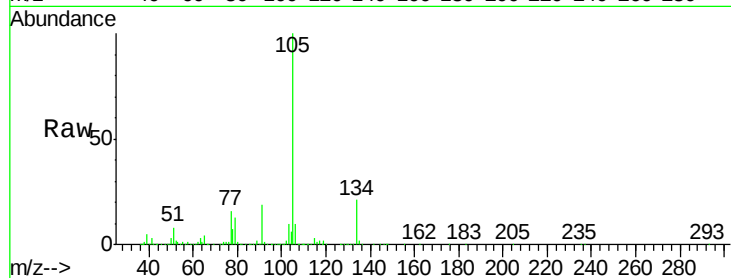
#67
 sec-Butylbenzene
 Concen: 10.597 ppbv
 RT: 17.34 min Scan# 4525
 Delta R.T. 0.00 min
 Lab File: VL035378.D
 Acq: 11 Aug 2020 7:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 105 Resp: 6536701
 Ion Ratio Lower Upper
 105 100
 134 19.2 15.4 23.2

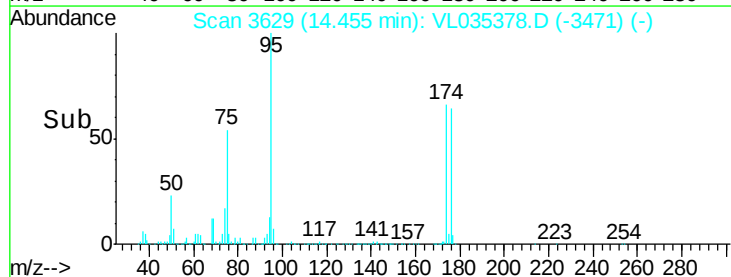
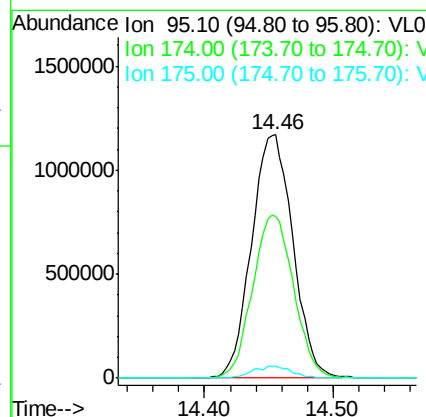
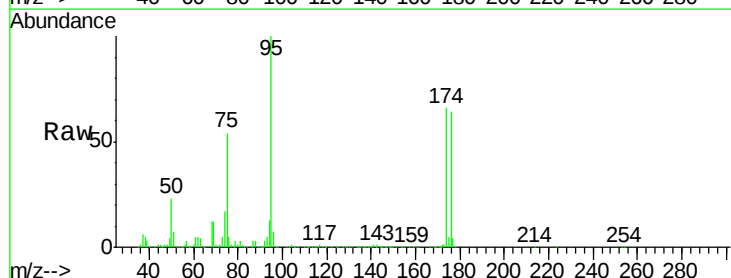
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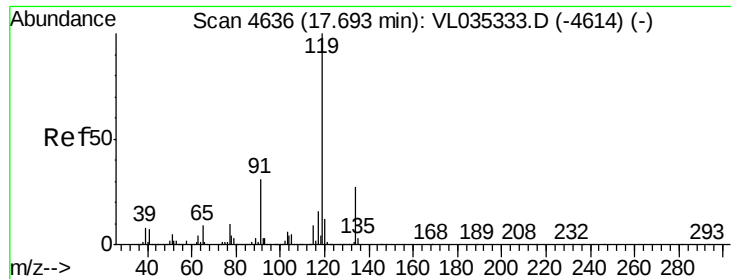
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.528 ppbv
 RT: 14.46 min Scan# 3629
 Delta R.T. 0.01 min
 Lab File: VL035378.D
 Acq: 11 Aug 2020 7:59

Tgt Ion: 95 Resp: 2613590
 Ion Ratio Lower Upper
 95 100
 174 66.6 53.5 80.3
 175 4.9 4.2 6.2





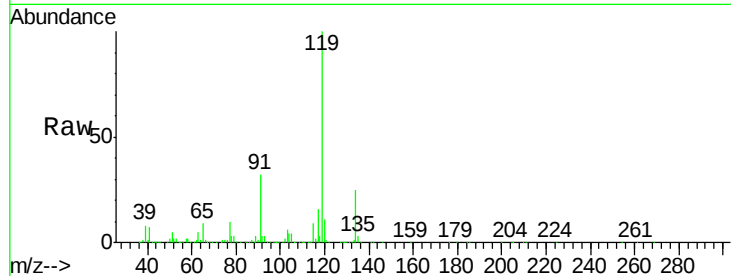
#69
 p-Isopropyltoluene
 Concen: 11.140 ppbv
 RT: 17.70 min Scan# 4637
 Delta R.T. 0.00 min
 Lab File: VL035378.D
 Acq: 11 Aug 2020 7:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.0	21.1	31.7
91	31.0	24.5	36.7

Manual Integrations
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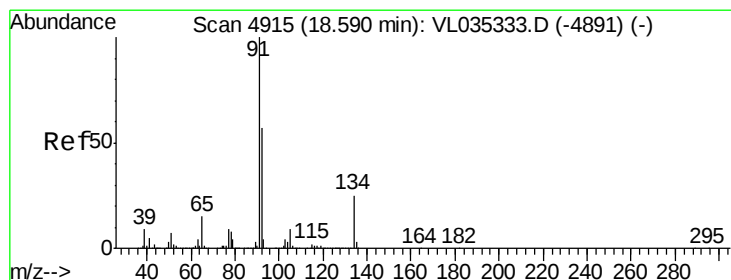
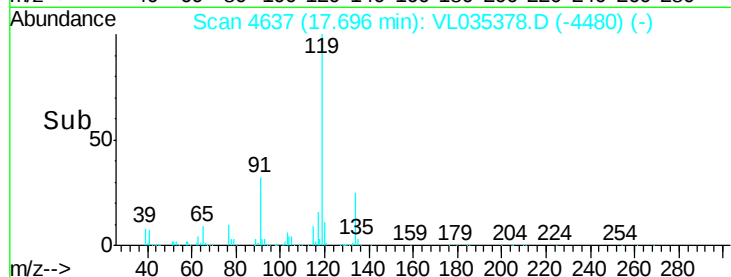
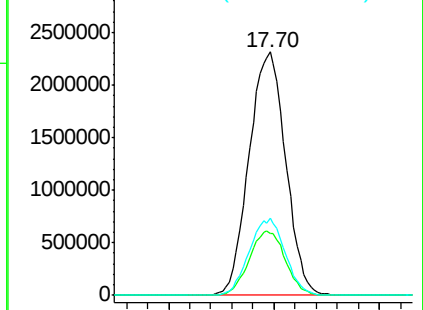


Abundance

Ion 119.10 (118.80 to 119.80): V

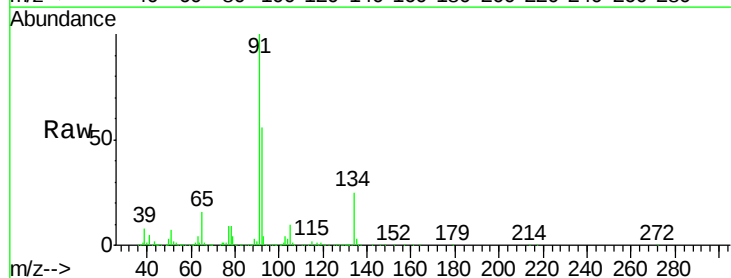
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
 n-Butylbenzene
 Concen: 10.811 ppbv
 RT: 18.59 min Scan# 4915
 Delta R.T. 0.00 min
 Lab File: VL035378.D
 Acq: 11 Aug 2020 7:59

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.0	44.2	66.2
134	23.6	19.0	28.6

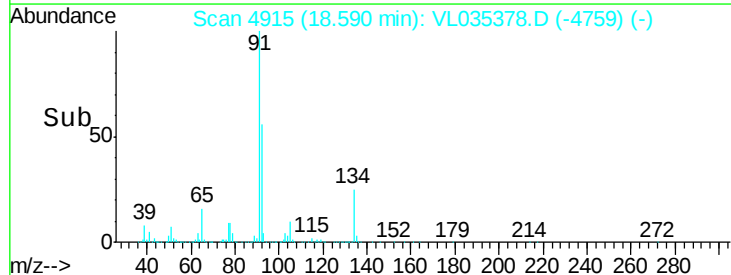
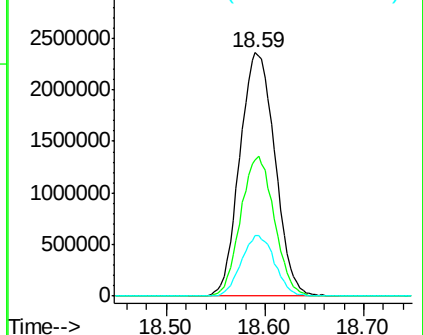


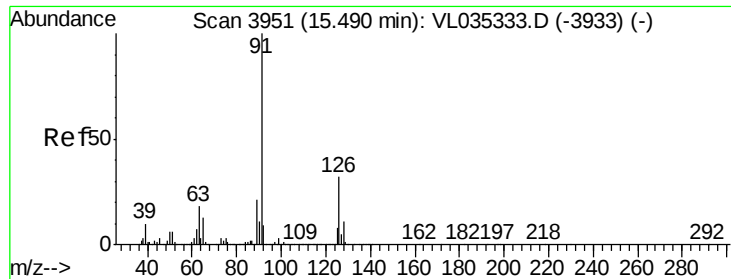
Abundance

Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





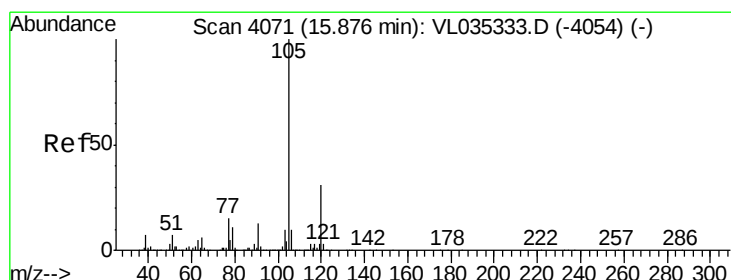
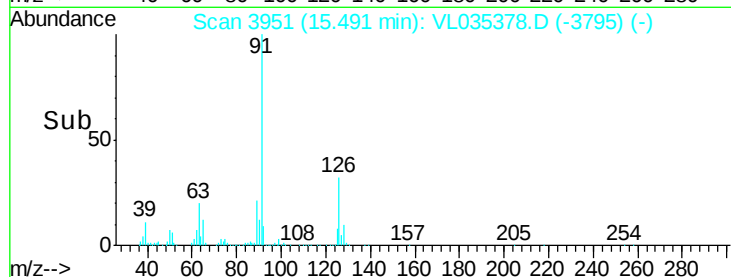
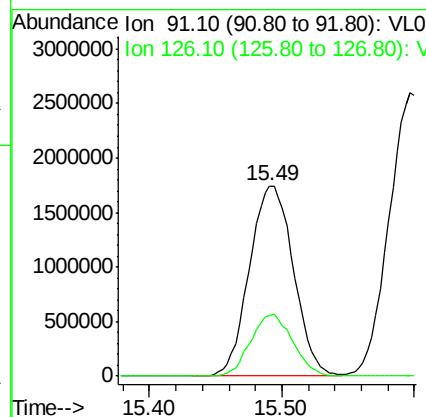
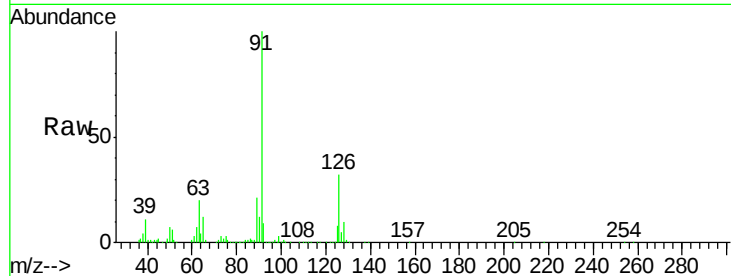
#71
 2-Chlorotoluene
 Concen: 11.572 ppbv
 RT: 15.49 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VL035378.D
 Acq: 11 Aug 2020 7:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 91 Resp: 4036979
 Ion Ratio Lower Upper
 91 100
 126 31.1 12.5 50.1

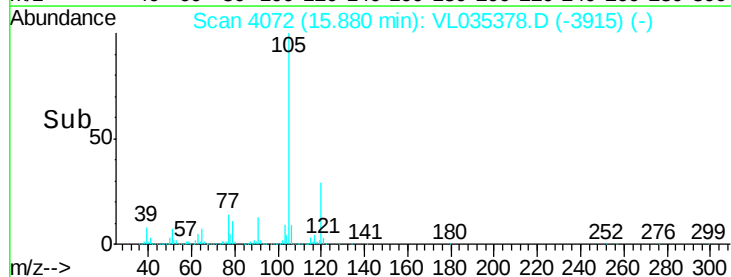
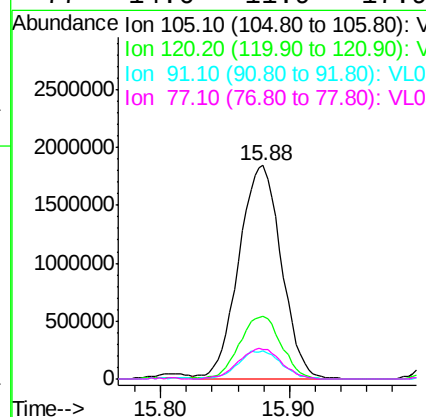
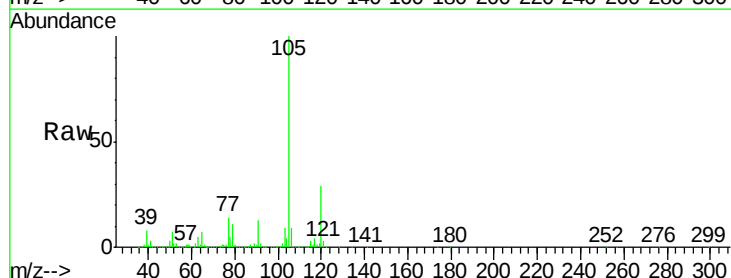
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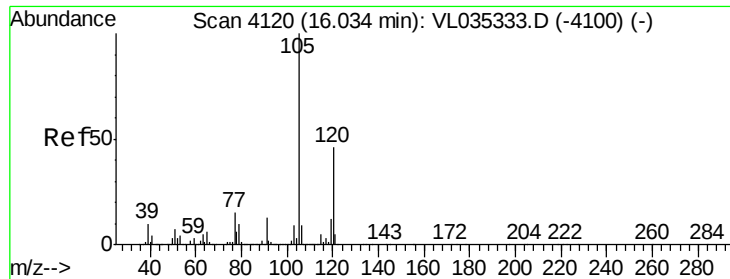
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#72
 4-Ethyltoluene
 Concen: 11.684 ppbv
 RT: 15.88 min Scan# 4072
 Delta R.T. 0.00 min
 Lab File: VL035378.D
 Acq: 11 Aug 2020 7:59

Tgt Ion: 105 Resp: 4213252
 Ion Ratio Lower Upper
 105 100
 120 29.1 24.0 36.0
 91 14.1 10.8 16.2
 77 14.6 11.9 17.9





#73

1,3,5-Trimethylbenzene

Concen: 11.452 ppbv

RT: 16.04 min Scan# 4121

Delta R.T. 0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3962873

Ion Ratio Lower Upper

105 100

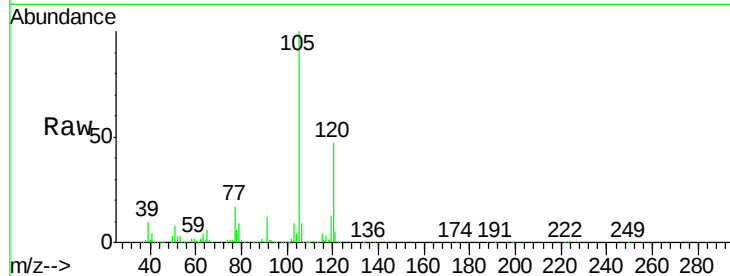
120 46.9 36.9 55.3

Manual Integrations

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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

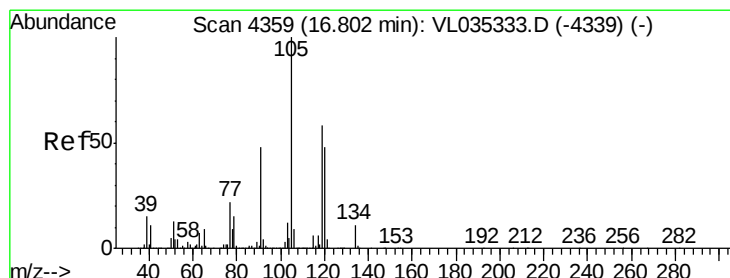
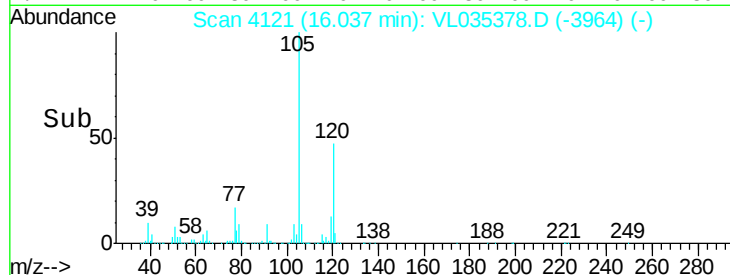
0

16.04

16.00

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 10.650 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. 0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

Tgt Ion:105 Resp: 4212061

Ion Ratio Lower Upper

105 100

120 50.1 38.5 57.7

91 45.8 39.0 58.6

77 22.7 17.8 26.6

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

2500000

2000000

1500000

1000000

500000

0

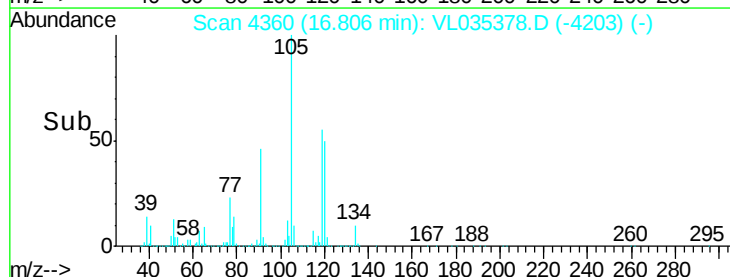
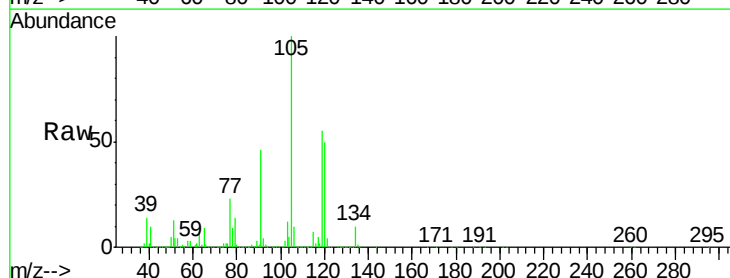
16.81

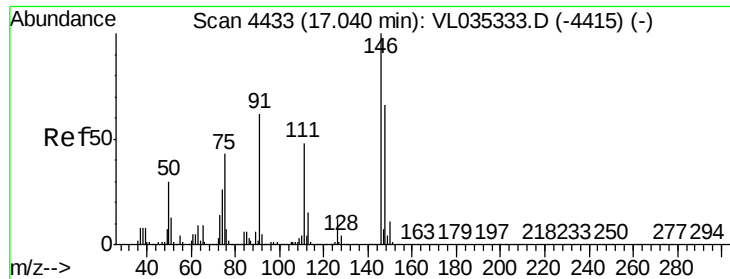
16.70

16.80

16.90

Time-->





#75

1,3-Dichlorobenzene

Concen: 9.719 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. 0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2514494

Ion Ratio Lower Upper

146 100

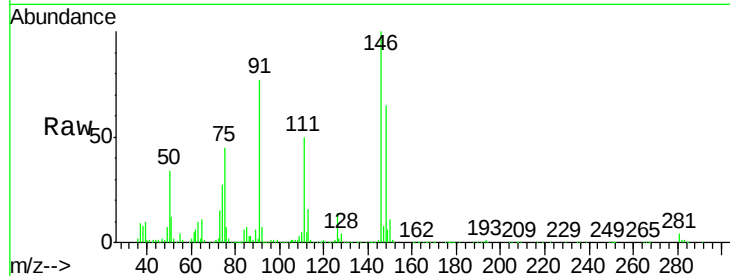
111 48.7 24.2 72.6

148 65.4 32.6 98.0

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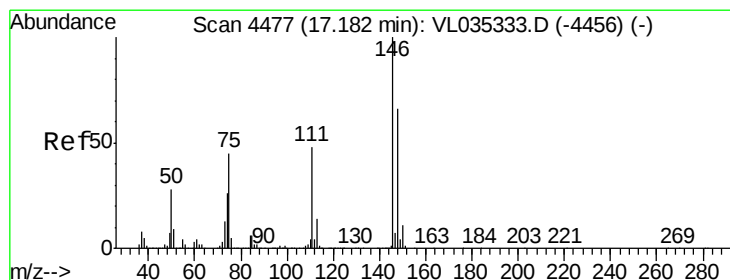
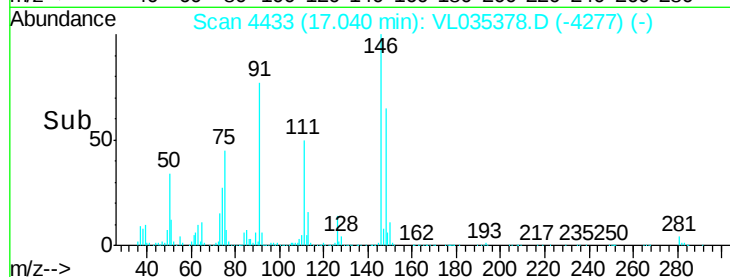
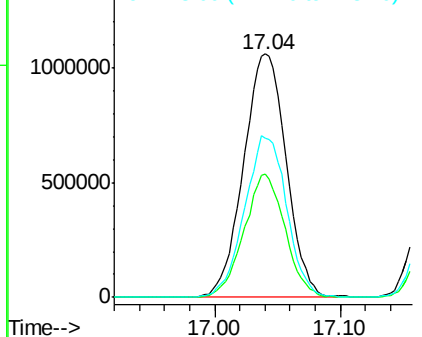
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 10.414 ppbv

RT: 17.19 min Scan# 4478

Delta R.T. 0.00 min

Lab File: VL035378.D

Acq: 11 Aug 2020 7:59

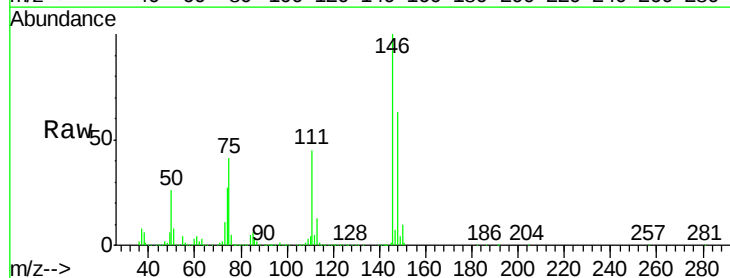
Tgt Ion:146 Resp: 2495167

Ion Ratio Lower Upper

146 100

111 47.1 23.3 69.9

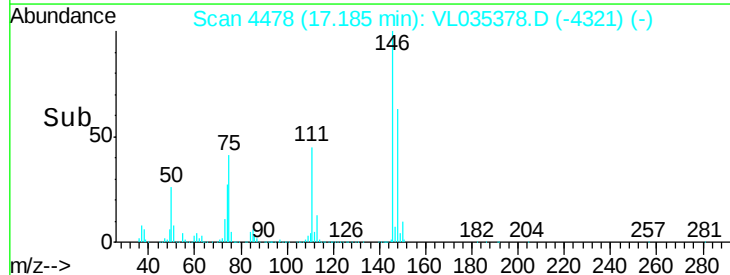
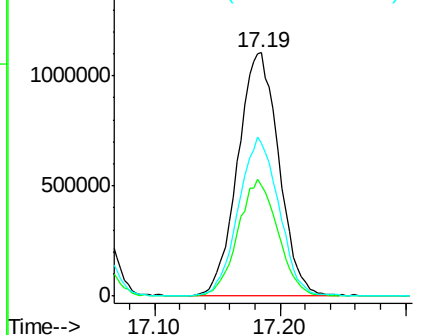
148 64.9 32.1 96.5

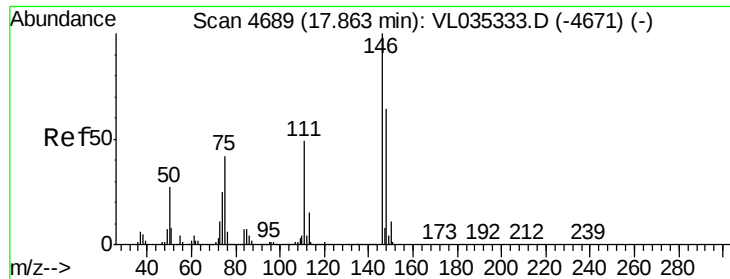


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





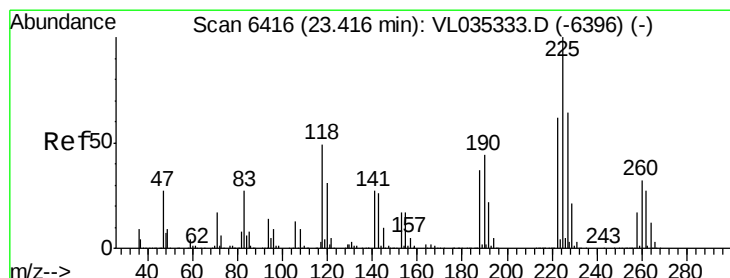
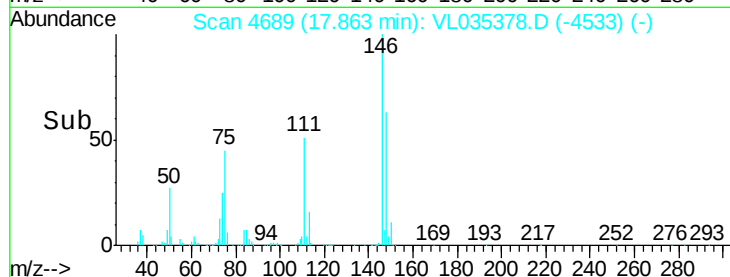
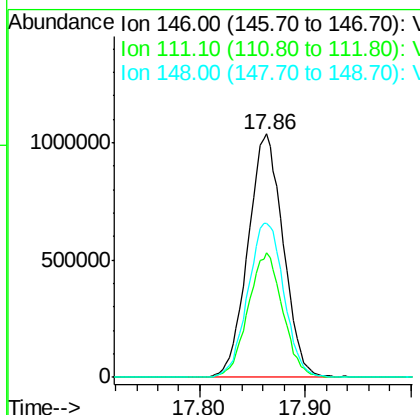
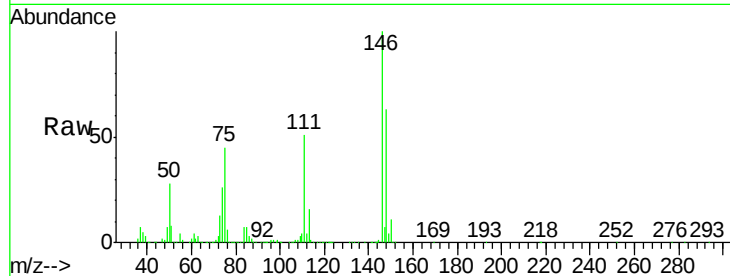
#77
 1,2-Dichlorobenzene
 Concen: 10.086 ppbv
 RT: 17.86 min Scan# 4689
 Delta R.T. 0.00 min
 Lab File: VL035378.D
 Acq: 11 Aug 2020 7:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.3	24.9	74.7
148	65.0	31.9	95.9

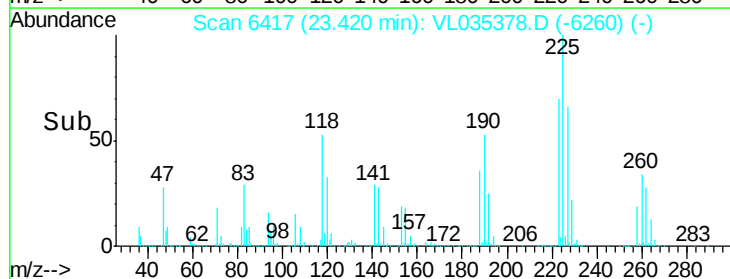
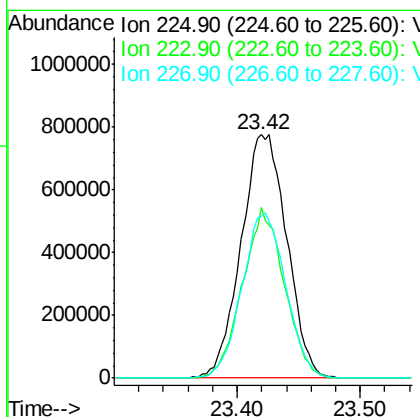
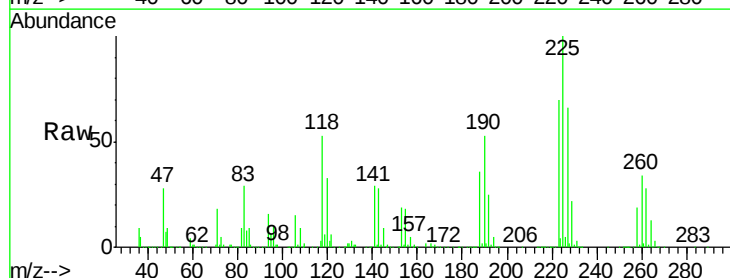
Manual Integrations
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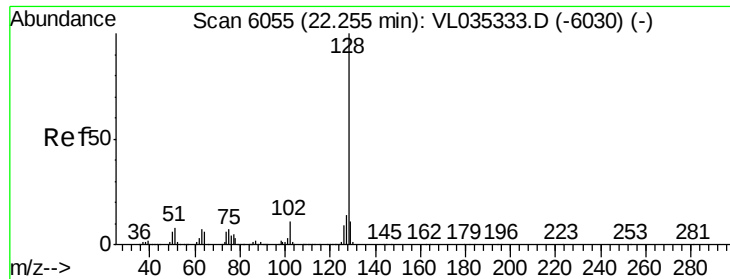
apatel
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.882 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. 0.00 min
 Lab File: VL035378.D
 Acq: 11 Aug 2020 7:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.3	75.5
227	0.0	52.7	79.1#





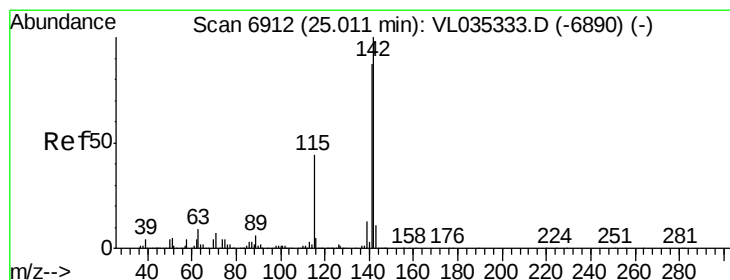
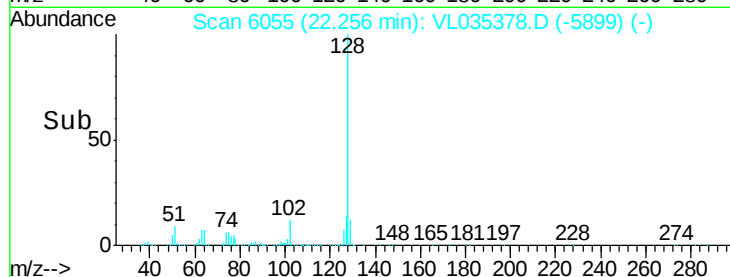
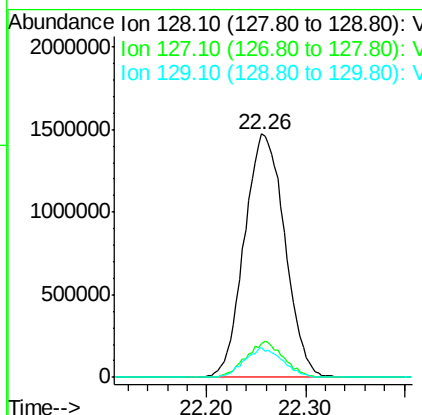
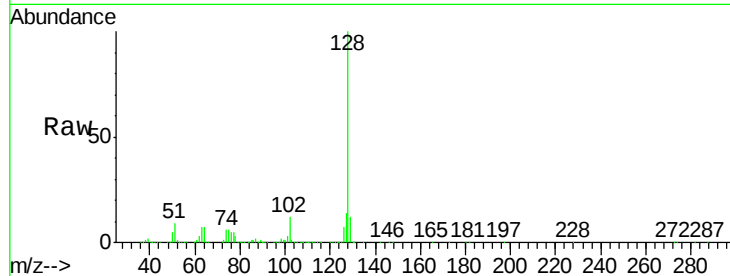
#79
Naphthalene
Concen: 13.710 ppbv
RT: 22.26 min Scan# 6055
Delta R.T. 0.00 min
Lab File: VL035378.D
Acq: 11 Aug 2020 7:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	11.1	16.7
129	12.0	8.7	13.1

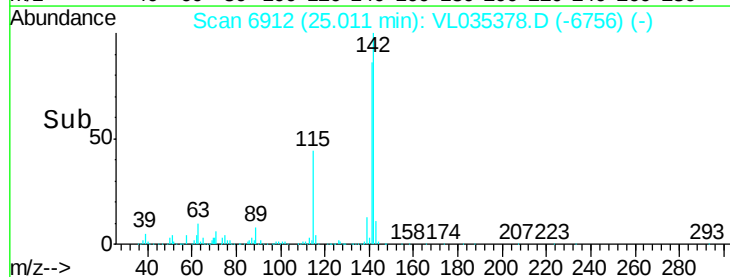
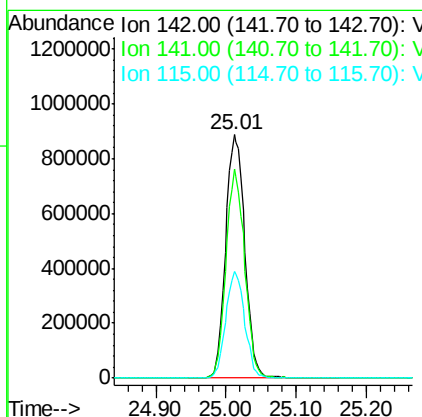
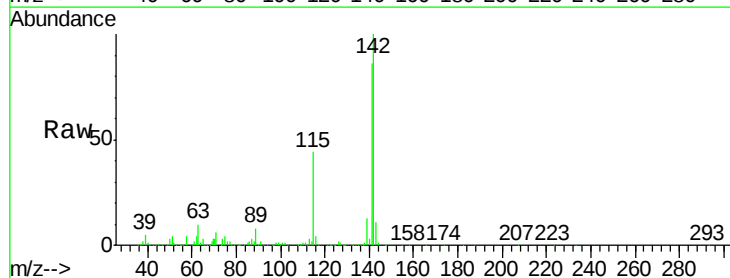
Manual Integrations
APPROVED

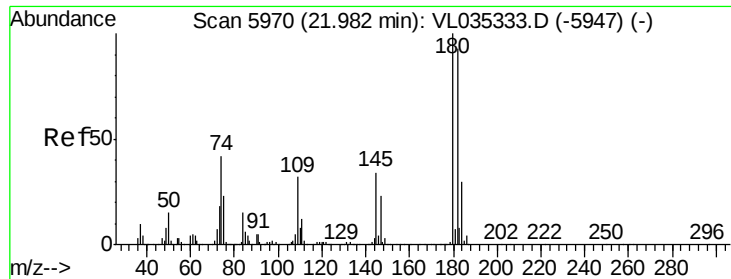
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#80
Naphthalene, 2-methyl-
Concen: 24.405 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. 0.00 min
Lab File: VL035378.D
Acq: 11 Aug 2020 7:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.2	69.0	103.6
115	43.4	35.5	53.3





#81
 1,2,4-Trichlorobenzene
 Concen: 12.194 ppbv m
 RT: 21.98 min Scan# 5970
 Delta R.T. 0.00 min
 Lab File: VL035378.D
 Acq: 11 Aug 2020 7:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	77.2	115.8#
184	0.0	25.1	37.7#

Manual Integrations
 APPROVED

apatel
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