

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120820\
 Data File : VD067915.D
 Acq On : 08 Dec 2020 16:35
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/9/2020 9:28:52 AM

Quant Time: Dec 09 04:54:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	202646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	296492	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	268813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	134790	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	107629	49.47	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.94%
35) Dibromofluoromethane	7.92	113	97140	48.96	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.92%
50) Toluene-d8	10.34	98	347179	48.61	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.22%
62) 4-Bromofluorobenzene	12.64	95	121333	49.14	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.28%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	88971	50.449	ug/l 94
3) Chloromethane	2.21	50	50121	49.245	ug/l 98
4) Vinyl Chloride	2.35	62	64797	50.550	ug/l 95
5) Bromomethane	2.77	94	62195	54.352	ug/l 98
6) Chloroethane	2.93	64	43821	52.507	ug/l 91
7) Trichlorofluoromethane	3.28	101	195216	49.769	ug/l 97
8) Diethyl Ether	3.71	74	36516	47.764	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	88684	49.582	ug/l 97
10) Methyl Iodide	4.30	142	88531	46.698	ug/l 97
11) Tert butyl alcohol	5.21	59	25717	223.931	ug/l 99
12) 1,1-Dichloroethene	4.07	96	83253	49.578	ug/l 91
13) Acrolein	3.93	56	18499	221.277	ug/l 100
14) Allyl chloride	4.71	41	76478	49.231	ug/l 92
15) Acrylonitrile	5.42	53	62199	234.636	ug/l 98
16) Acetone	4.15	43	61838	230.032	ug/l 97
17) Carbon Disulfide	4.41	76	216782	46.238	ug/l 99
18) Methyl Acetate	4.72	43	23833	47.200	ug/l 92
19) Methyl tert-butyl Ether	5.47	73	186833	51.960	ug/l 99
20) Methylene Chloride	4.97	84	91977	53.072	ug/l 94
21) trans-1,2-Dichloroethene	5.48	96	95512	49.985	ug/l 98
22) Diisopropyl ether	6.36	45	155027	49.618	ug/l 96
23) Vinyl Acetate	6.31	43	441293	253.886	ug/l 99
24) 1,1-Dichloroethane	6.26	63	136835	49.961	ug/l 96
25) 2-Butanone	7.21	43	65055	230.079	ug/l 100
26) 2,2-Dichloropropane	7.21	77	169278	51.831	ug/l 100
27) cis-1,2-Dichloroethene	7.21	96	105634	50.542	ug/l 98
28) Bromochloromethane	7.56	49	42044	48.350	ug/l 96
29) Tetrahydrofuran	7.56	42	36500	226.717	ug/l 94
30) Chloroform	7.71	83	186477	50.948	ug/l 97
31) Cyclohexane	7.99	56	104824	45.734	ug/l 97
32) 1,1,1-Trichloroethane	7.91	97	201380	52.121	ug/l 98
36) 1,1-Dichloropropene	8.11	75	129411	50.419	ug/l 98
37) Ethyl Acetate	7.30	43	28732	41.534	ug/l 98
38) Carbon Tetrachloride	8.10	117	198897	51.216	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	148717	48.893	ug/l	96
40) Benzene	8.36	78	343733	48.942	ug/l	99
41) Methacrylonitrile	7.52	41	12739m	37.675	ug/l	
42) 1,2-Dichloroethane	8.43	62	126585	50.571	ug/l	100
43) Isopropyl Acetate	8.46	43	64191	47.160	ug/l #	58
44) Trichloroethene	9.11	130	117924	48.836	ug/l	97
45) 1,2-Dichloropropane	9.39	63	65946	45.749	ug/l	94
46) Dibromomethane	9.48	93	48905	48.797	ug/l	98
47) Bromodichloromethane	9.66	83	141703	49.595	ug/l	98
48) Methyl methacrylate	9.46	41	30566	44.224	ug/l	92
49) 1,4-Dioxane	9.46	88	8336	727.909	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	146795	227.869	ug/l	97
52) Toluene	10.41	92	243768	49.644	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	121546	49.287	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	135990	50.696	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	62359	45.466	ug/l	97
56) Ethyl methacrylate	10.67	69	63193	45.284	ug/l	95
57) 1,3-Dichloropropane	10.95	76	101112	46.539	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	156542	246.524	ug/l	96
59) 2-Hexanone	10.98	43	105684	232.717	ug/l	98
60) Dibromochloromethane	11.14	129	102720	49.683	ug/l	97
61) 1,2-Dibromoethane	11.25	107	64242	47.630	ug/l	97
64) Tetrachloroethene	10.88	164	105865	48.281	ug/l	96
65) Chlorobenzene	11.67	112	273214	49.258	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	112056	49.532	ug/l	96
67) Ethyl Benzene	11.75	91	483477	51.169	ug/l	98
68) m/p-Xylenes	11.86	106	372847	100.074	ug/l	99
69) o-Xylene	12.18	106	175110	52.942	ug/l	98
70) Styrene	12.20	104	293460	51.024	ug/l	99
71) Bromoform	12.37	173	57611	48.109	ug/l #	93
73) Isopropylbenzene	12.48	105	491214	52.993	ug/l	99
74) N-amyl acetate	12.29	43	54962	47.935	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	53415	43.647	ug/l	94
76) 1,2,3-Trichloropropane	12.78	75	45406m	46.258	ug/l	
77) Bromobenzene	12.77	156	119389	51.808	ug/l	98
78) n-propylbenzene	12.83	91	540965	52.655	ug/l	100
79) 2-Chlorotoluene	12.91	91	312131	51.643	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	433450	54.009	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	17972	43.797	ug/l	94
82) 4-Chlorotoluene	13.01	91	335387	52.020	ug/l	99
83) tert-Butylbenzene	13.23	119	371587	54.410	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	424076	53.139	ug/l	97
85) sec-Butylbenzene	13.40	105	473734	51.972	ug/l	100
86) p-Isopropyltoluene	13.52	119	470007	52.611	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	224971	50.609	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	225546	50.716	ug/l	99
89) n-Butylbenzene	13.85	91	395030	53.225	ug/l	100
90) Hexachloroethane	14.11	117	84409	51.178	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	193435	50.172	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13022	50.986	ug/l	83

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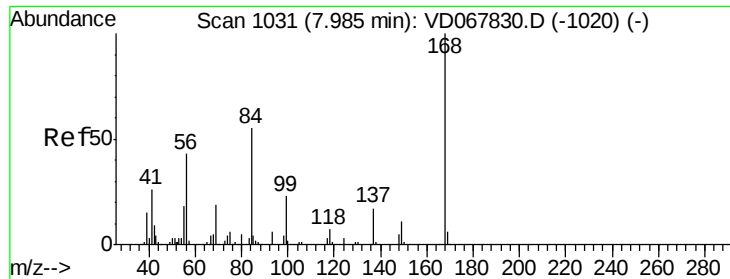
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	141911	52.621	ug/l	100
94) Hexachlorobutadiene	15.27	225	91631	52.070	ug/l	98
95) Naphthalene	15.41	128	218614	49.817	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	120465	51.725	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 202646

Ion Ratio Lower Upper

168 100

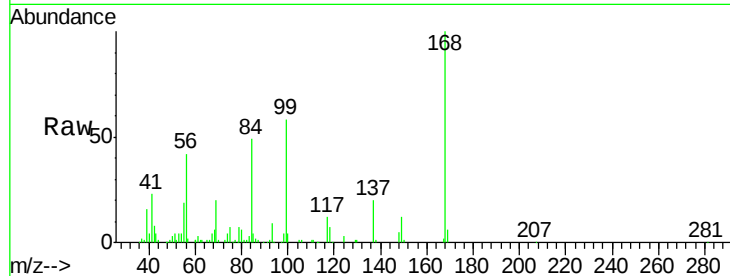
99 57.1 47.1 70.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

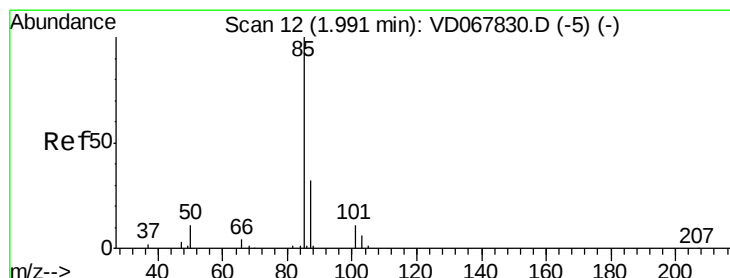
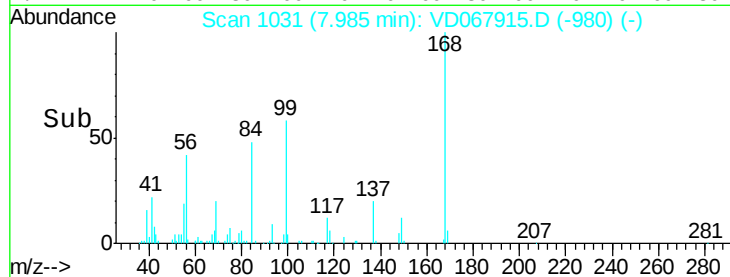
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.449 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067915.D

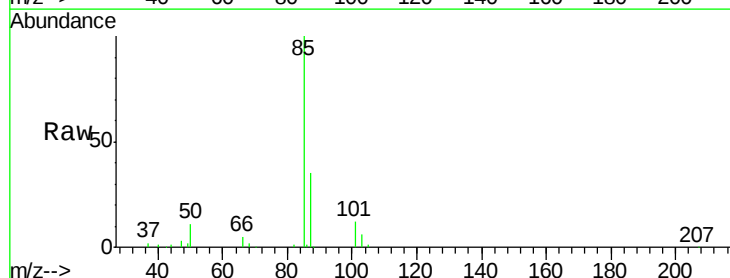
Acq: 08 Dec 2020 16:35

Tgt Ion: 85 Resp: 88971

Ion Ratio Lower Upper

85 100

87 34.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

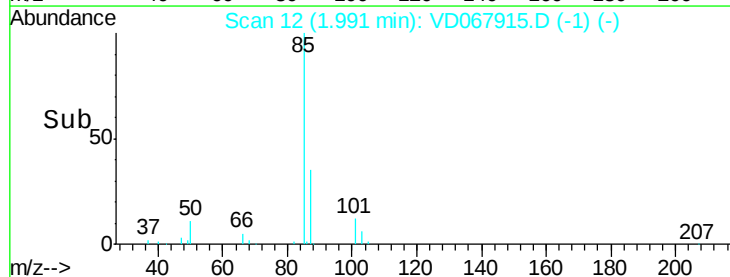
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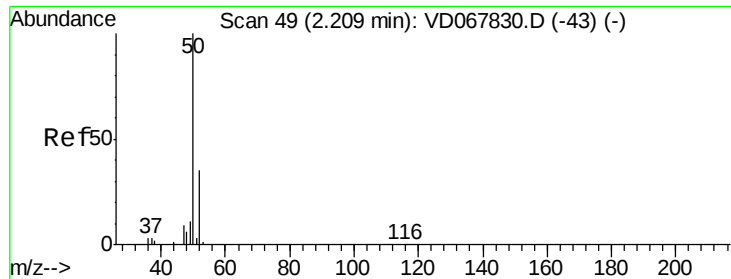
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 49.245 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 50121

Ion Ratio Lower Upper

50 100

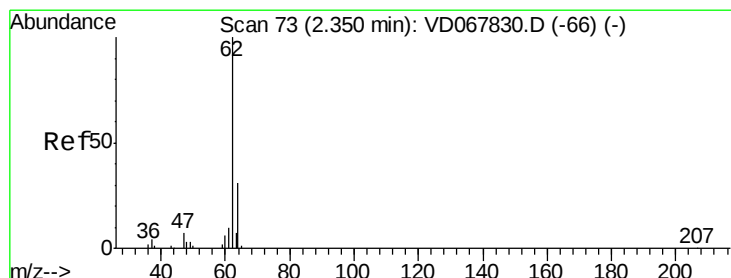
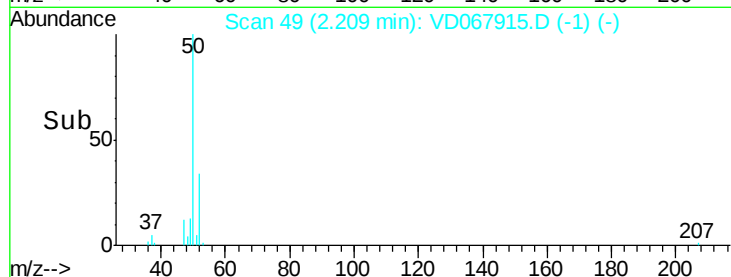
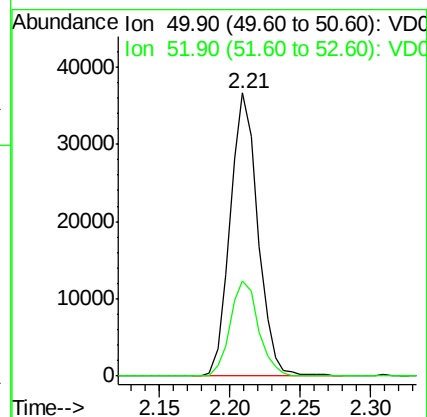
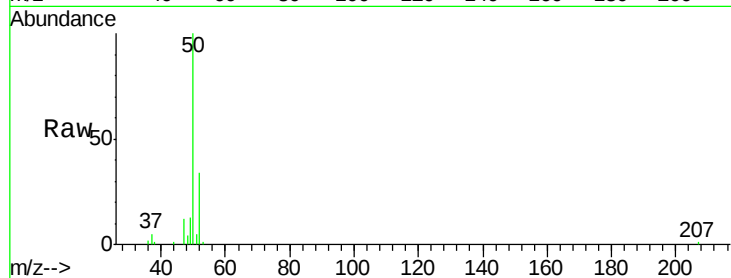
52 33.7 27.8 41.6

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#4

Vinyl Chloride

Concen: 50.550 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067915.D

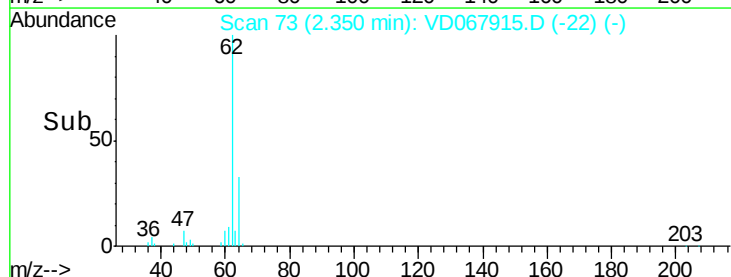
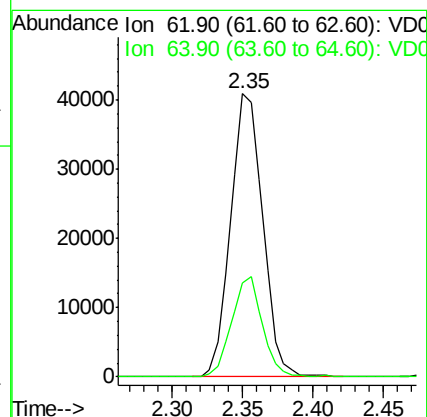
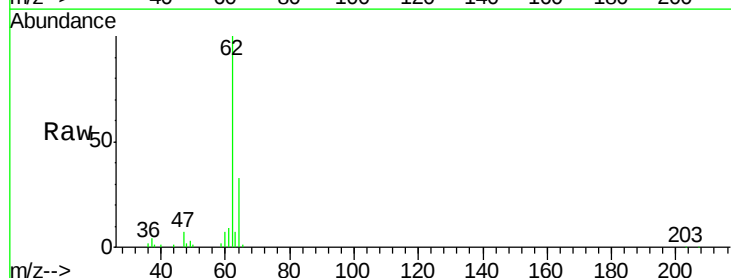
Acq: 08 Dec 2020 16:35

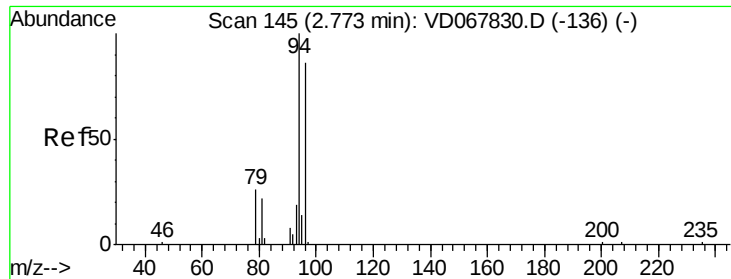
Tgt Ion: 62 Resp: 64797

Ion Ratio Lower Upper

62 100

64 33.3 24.5 36.7





#5

Bromomethane

Concen: 54.352 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 62195

Ion Ratio Lower Upper

94 100

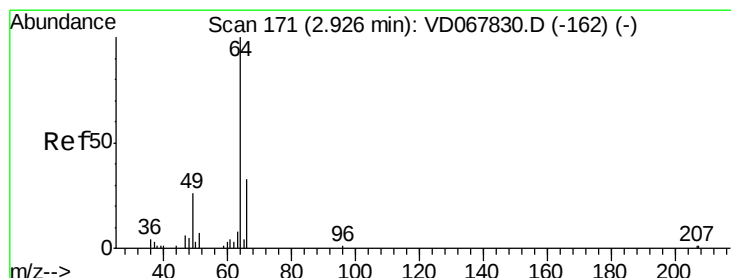
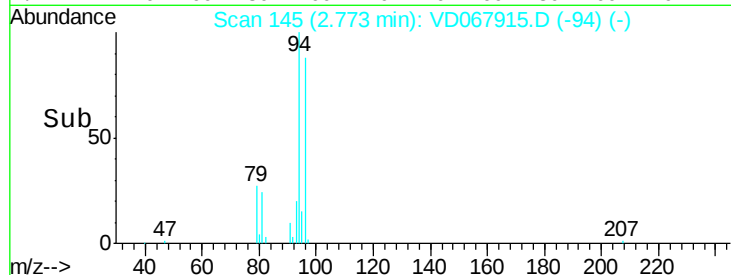
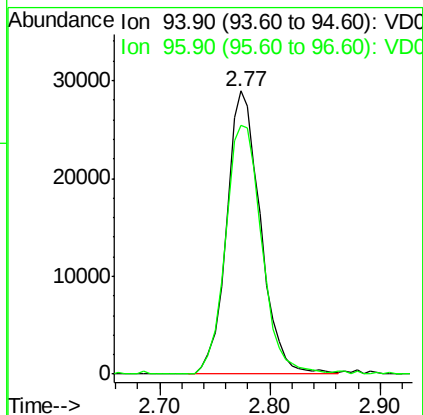
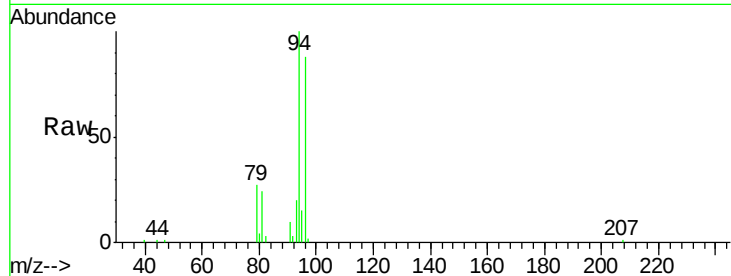
96 87.9 68.7 103.1

Manual Integrations

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#6

Chloroethane

Concen: 52.507 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD067915.D

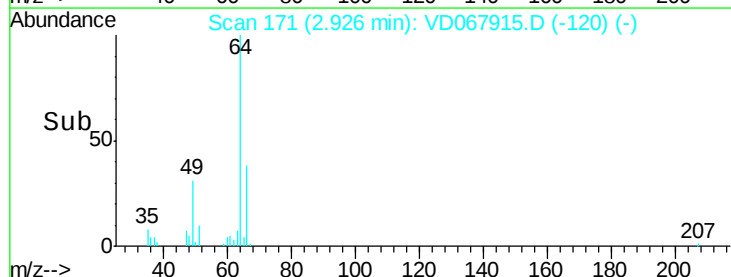
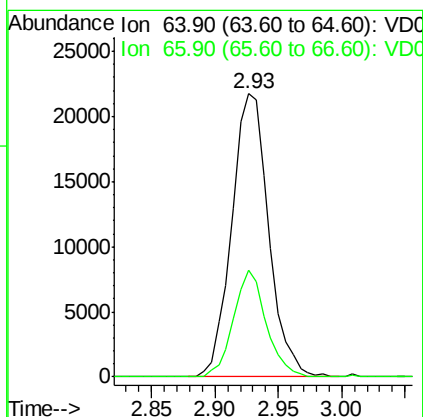
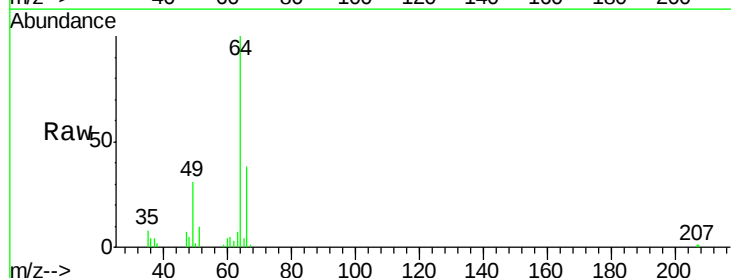
Acq: 08 Dec 2020 16:35

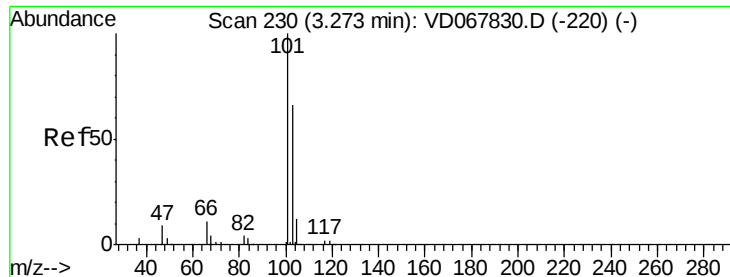
Tgt Ion: 64 Resp: 43821

Ion Ratio Lower Upper

64 100

66 37.8 26.1 39.1





#7

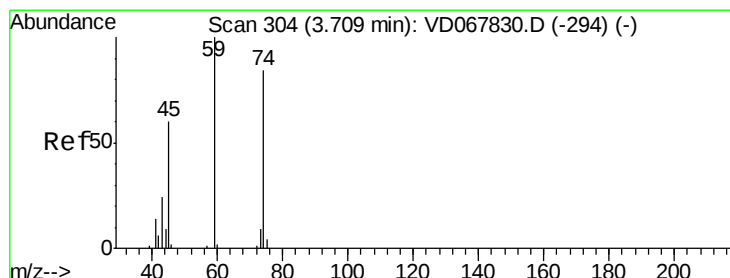
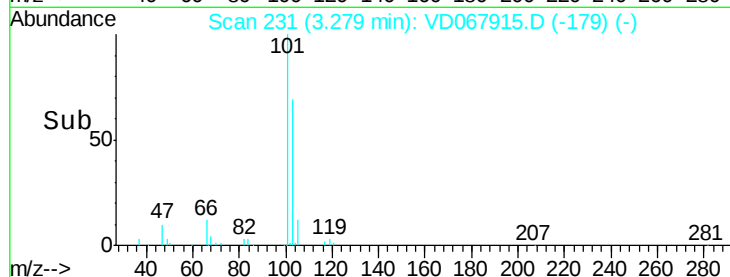
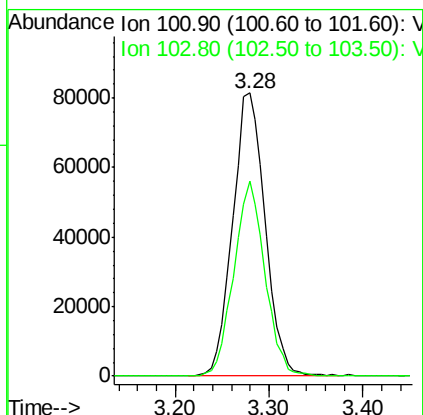
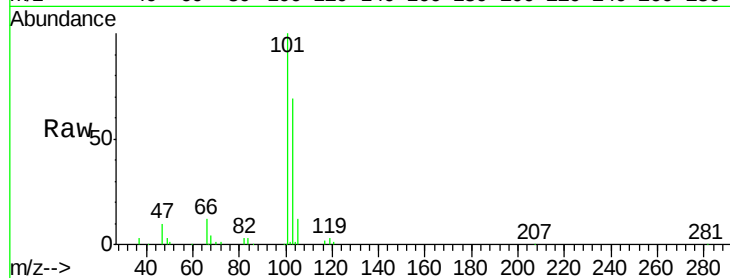
Trichlorofluoromethane
 Concen: 49.769 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD067915.D
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 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	195216		
103	68.7	53.0	79.6	

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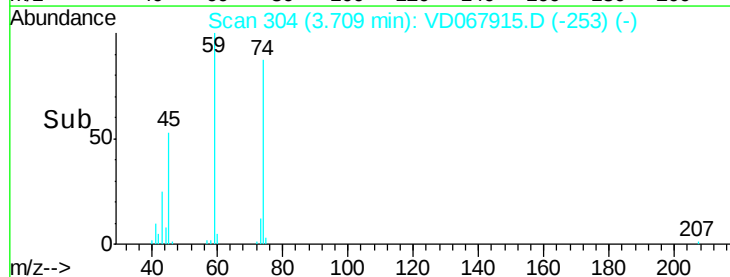
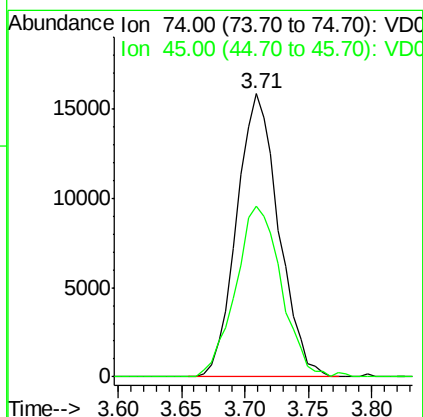
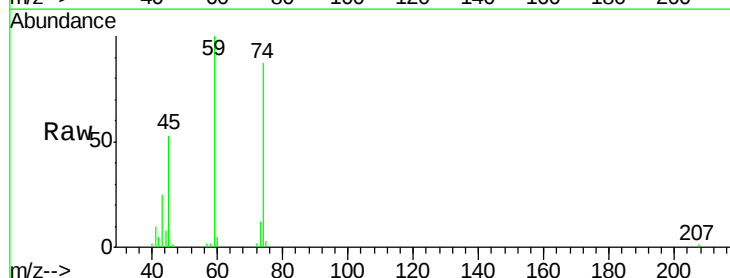
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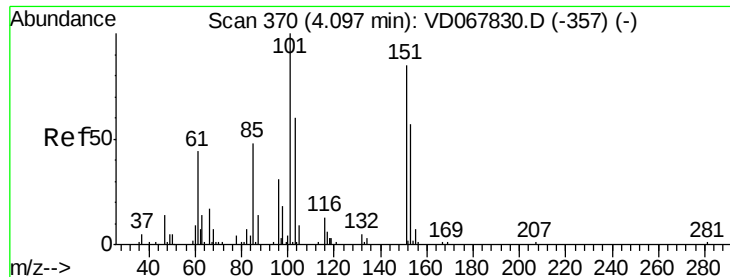


#8

Diethyl Ether
 Concen: 47.764 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	36516		
45	65.4	33.9	101.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.582 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

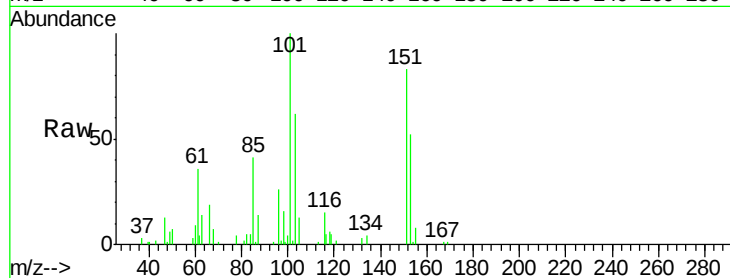
ClientSampleId :

VSTDCCC050EC

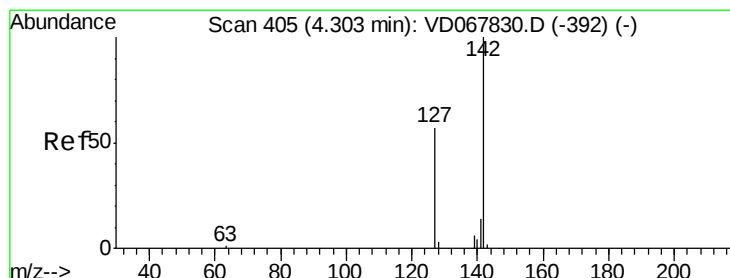
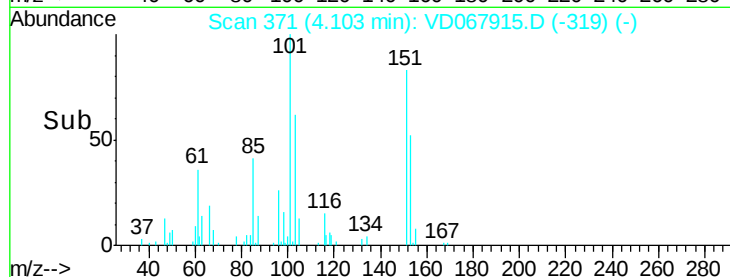
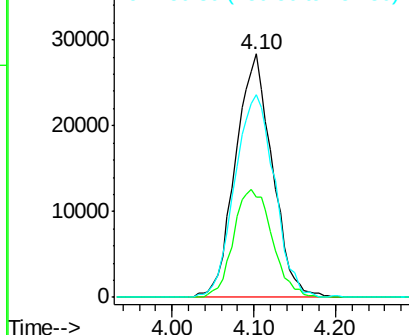
Tot Ion:	101	Resp:	88684
Ion Ratio	Lower	Upper	
101	100		
85	46.7	36.2	54.4
151	89.5	69.4	104.2

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.698 ug/l

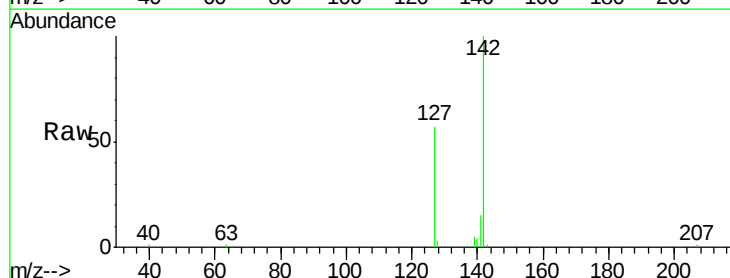
RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

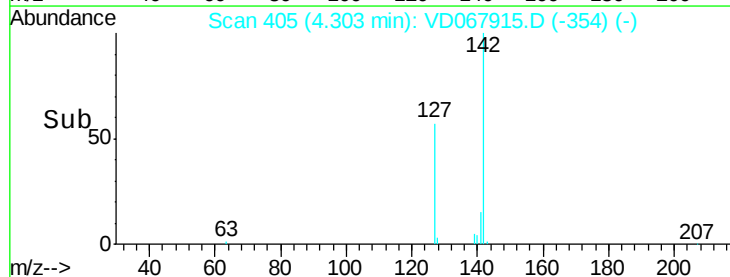
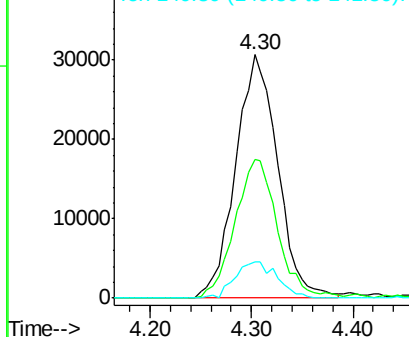
Lab File: VD067915.D

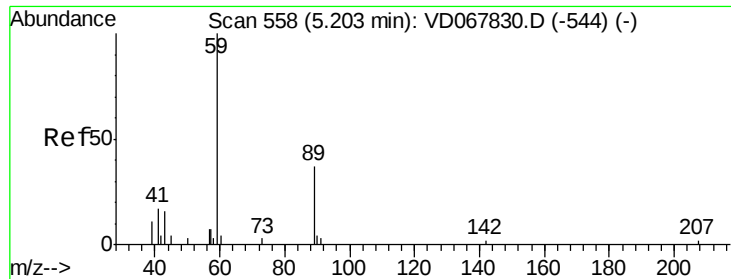
Acq: 08 Dec 2020 16:35

Tgt Ion:	142	Resp:	88531
Ion Ratio	Lower	Upper	
142	100		
127	57.2	43.9	65.9
141	15.2	12.2	18.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





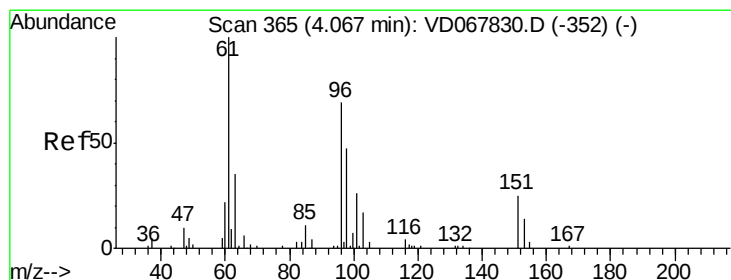
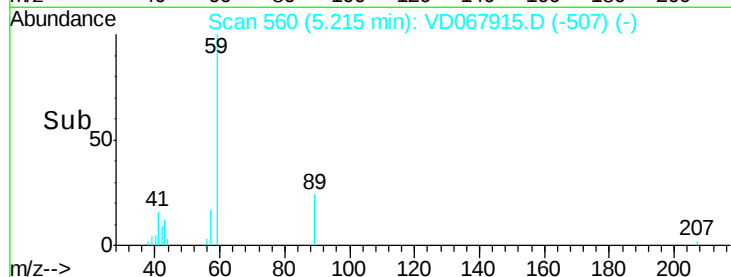
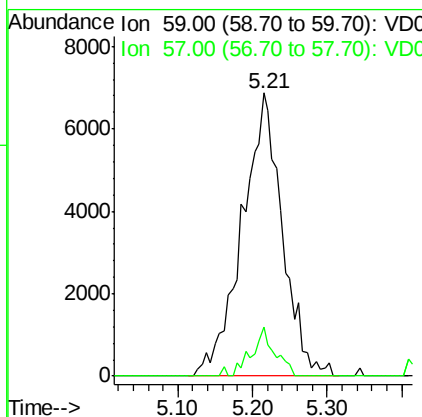
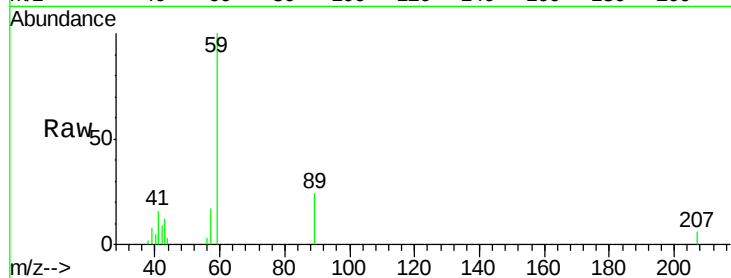
#11
Tert butyl alcohol
Concen: 223.931 ug/l
RT: 5.21 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.7	11.5

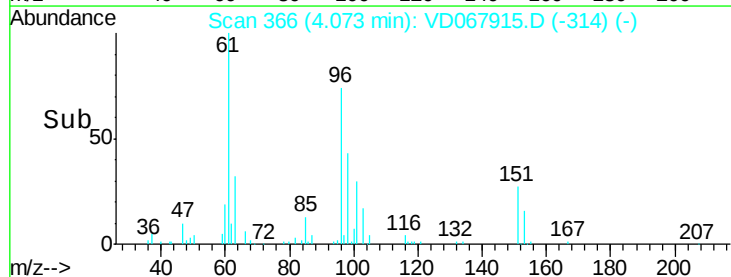
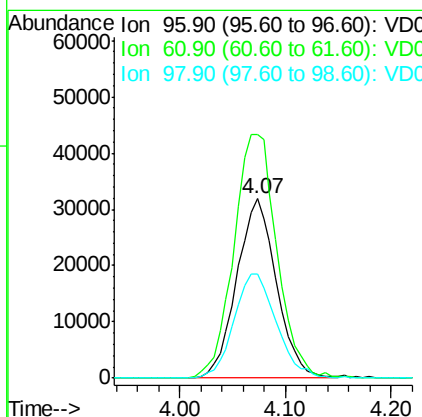
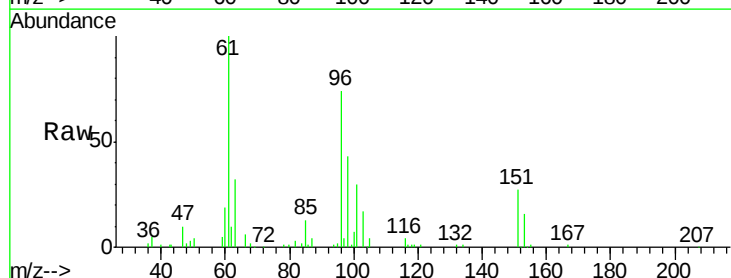
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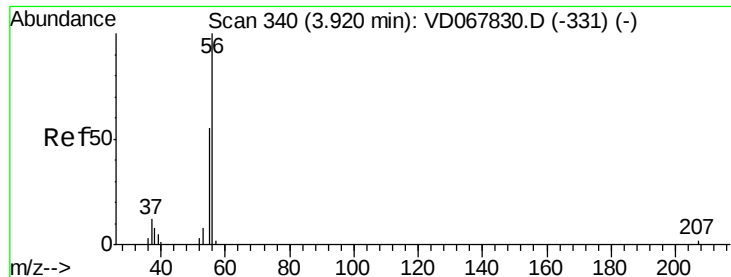
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#12
1,1-Dichloroethene
Concen: 49.578 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.01 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.6	116.1	174.1
98	57.8	54.6	82.0





#13

Acrolein

Concen: 221.277 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 18499

Ion Ratio Lower Upper

56 100

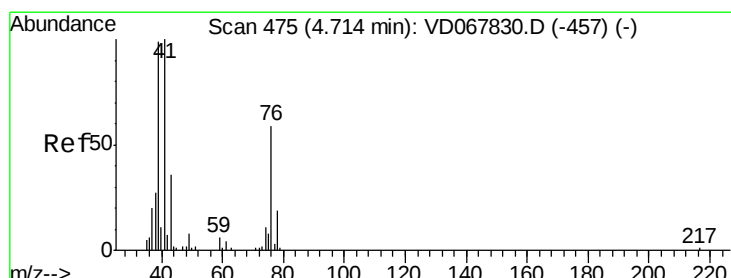
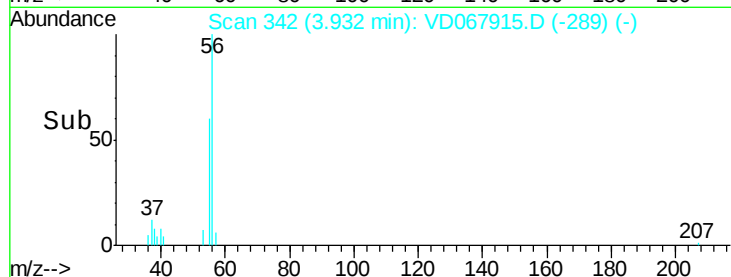
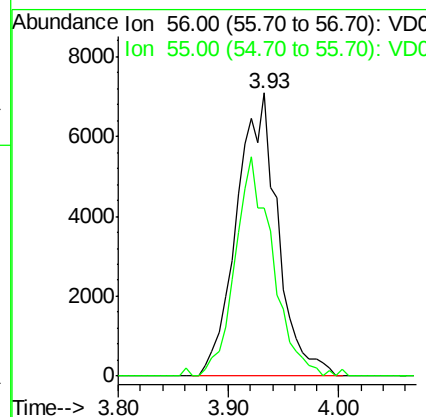
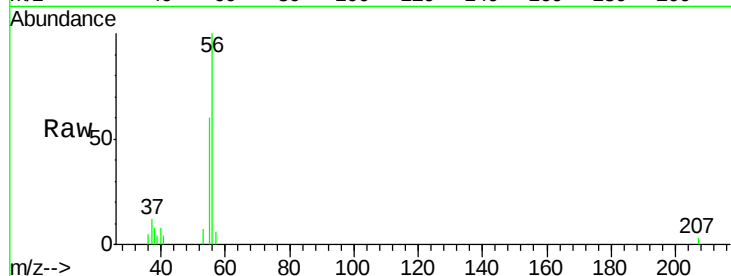
55 70.4 56.5 84.7

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#14

Allyl chloride

Concen: 49.231 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

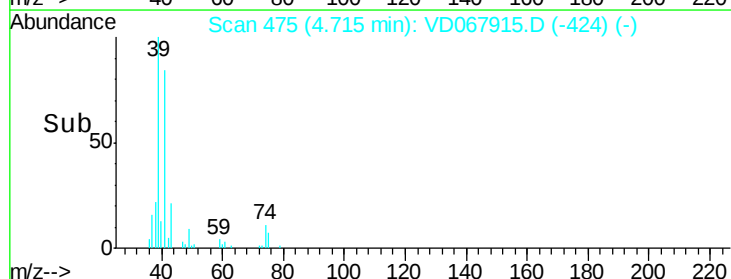
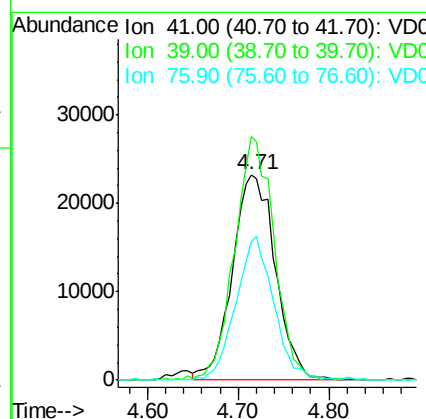
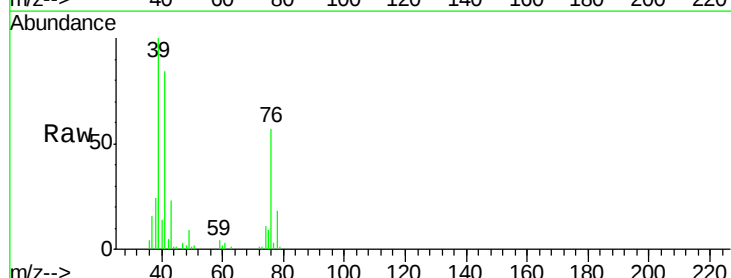
Tgt Ion: 41 Resp: 76478

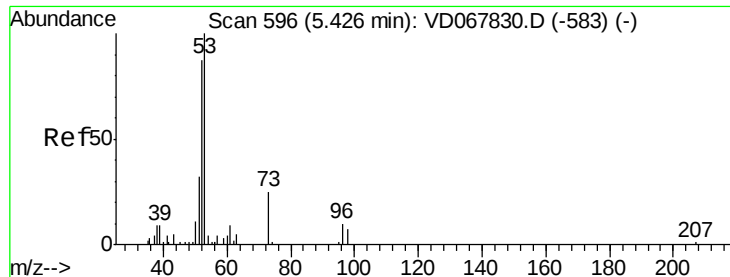
Ion Ratio Lower Upper

41 100

39 109.0 79.0 118.6

76 61.6 46.6 70.0





#15

Acrylonitrile

Concen: 234.636 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

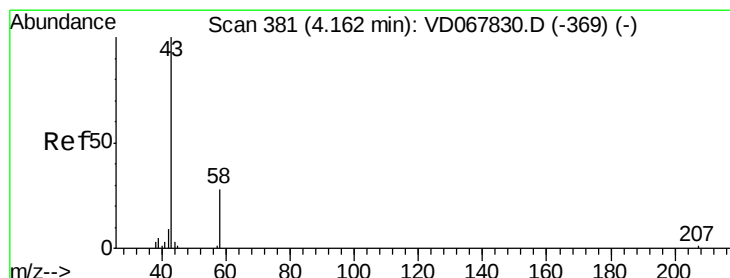
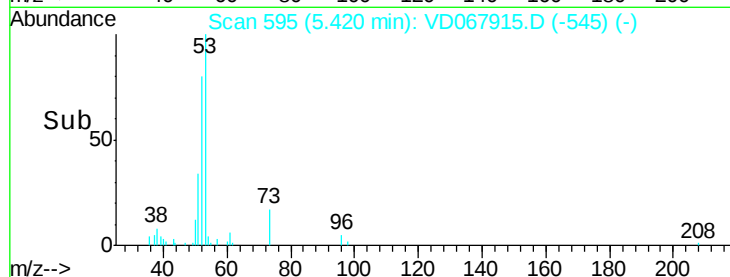
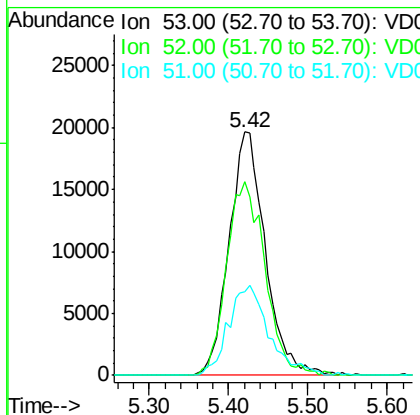
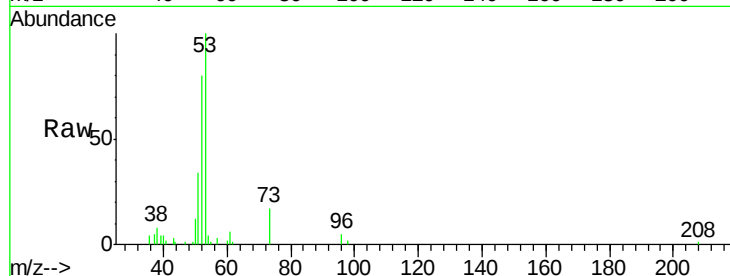
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	62199
Ion Ratio	Lower	Upper	
53	100		
52	84.3	66.2	99.2
51	41.2	31.1	46.7

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#16

Acetone

Concen: 230.032 ug/l

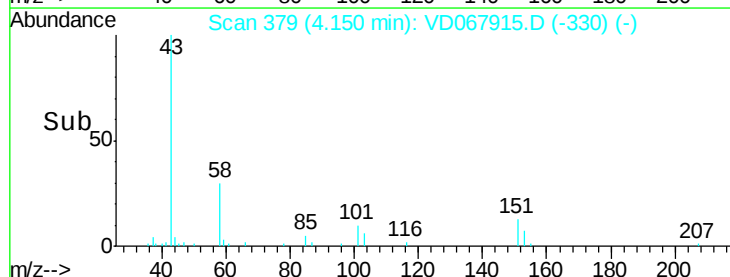
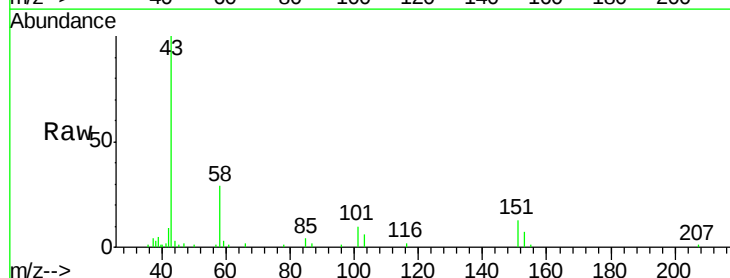
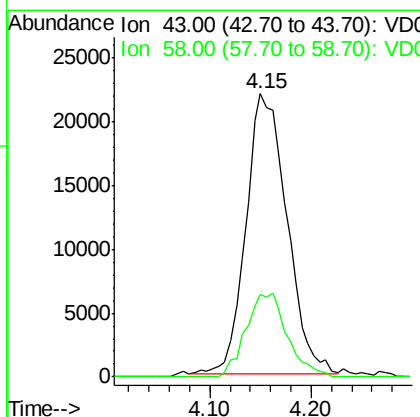
RT: 4.15 min Scan# 379

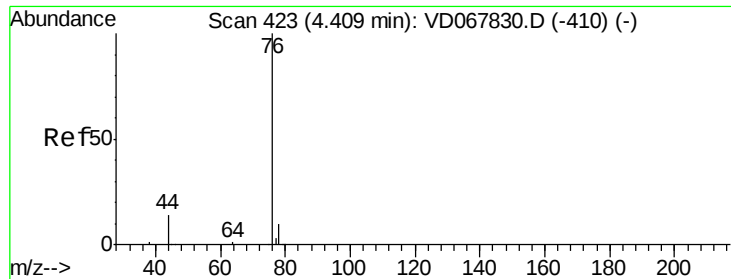
Delta R.T. -0.01 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Tgt Ion:	43	Resp:	61838
Ion Ratio	Lower	Upper	
43	100		
58	29.2	21.9	32.9





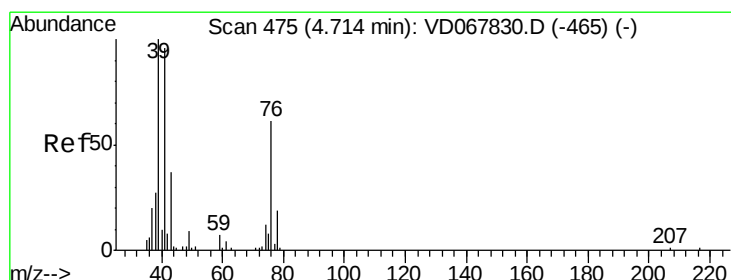
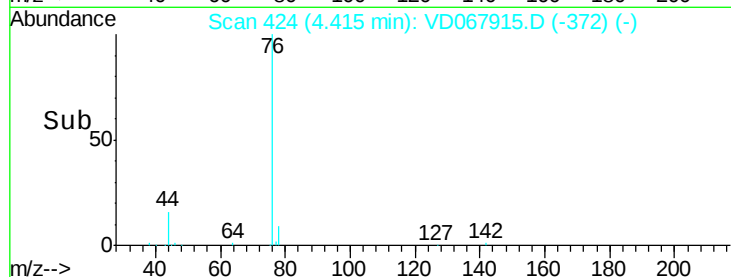
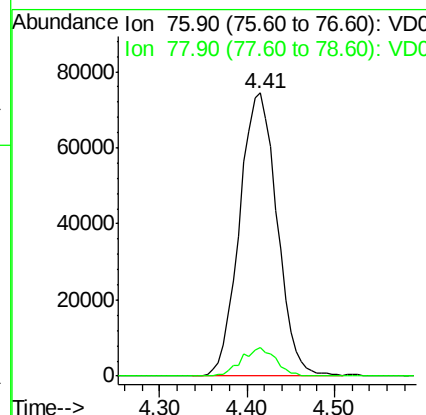
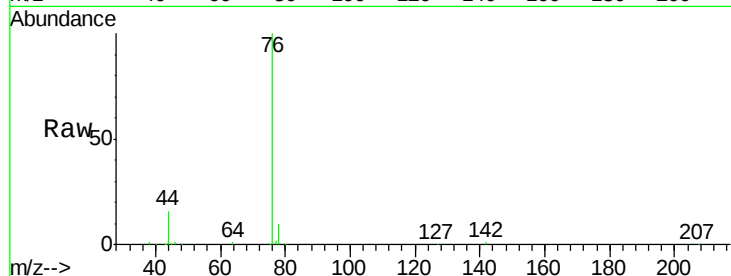
#17
Carbon Disulfide
Concen: 46.238 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.8	11.6

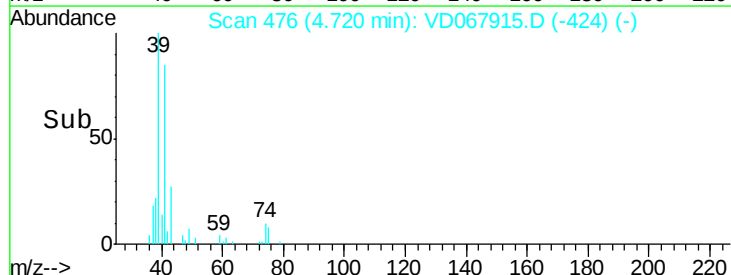
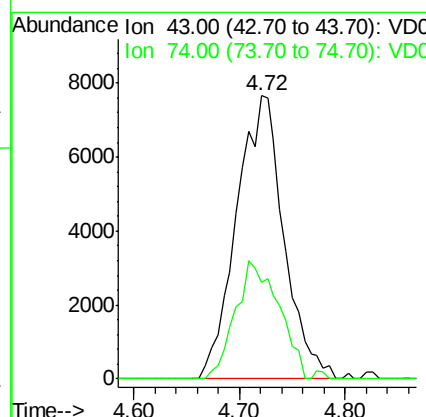
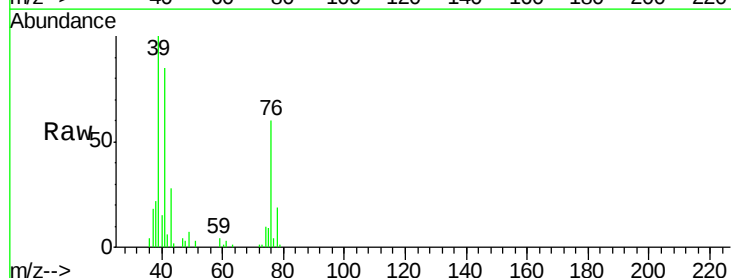
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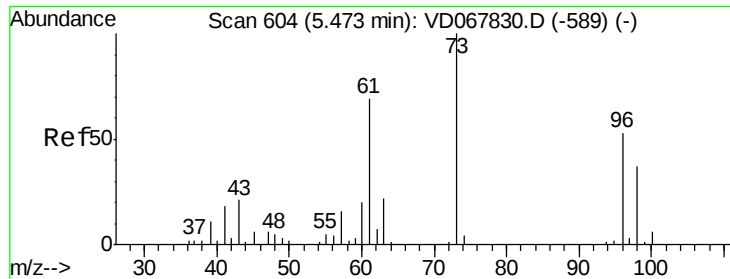
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#18
Methyl Acetate
Concen: 47.200 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	38.2	27.0	40.4





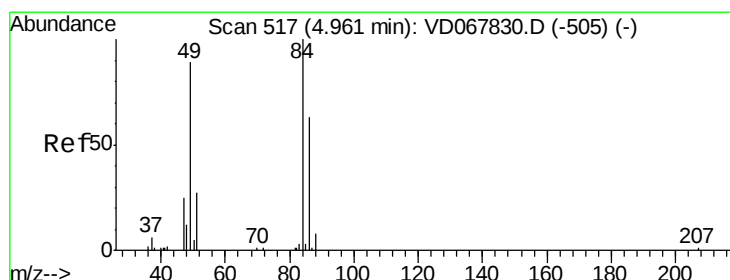
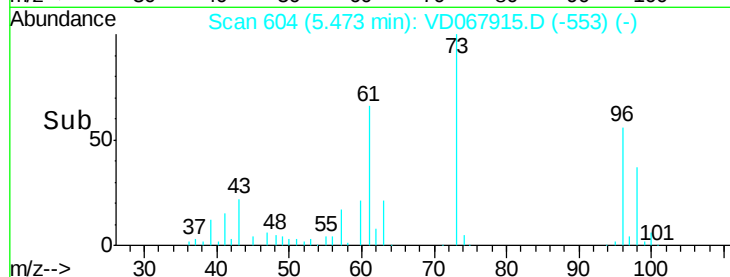
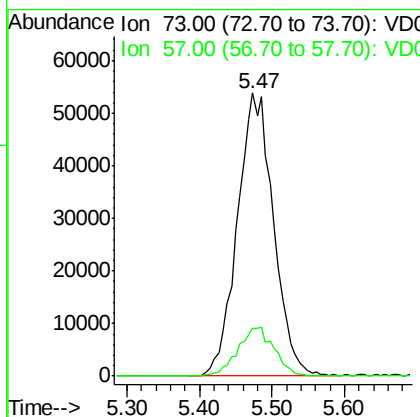
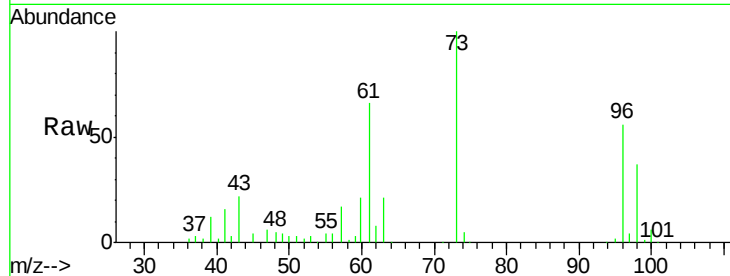
#19
Methyl tert-butyl Ether
Concen: 51.960 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	73	Resp	186833
Ion Ratio	100	Lower	Upper
57	16.9	13.2	19.8

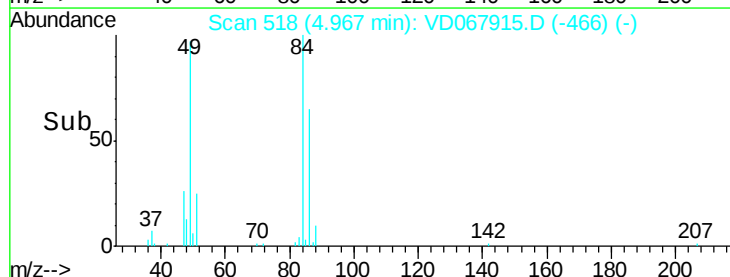
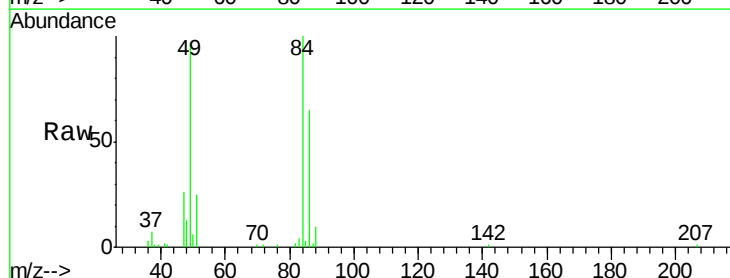
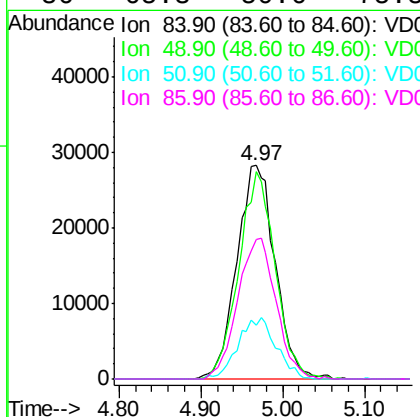
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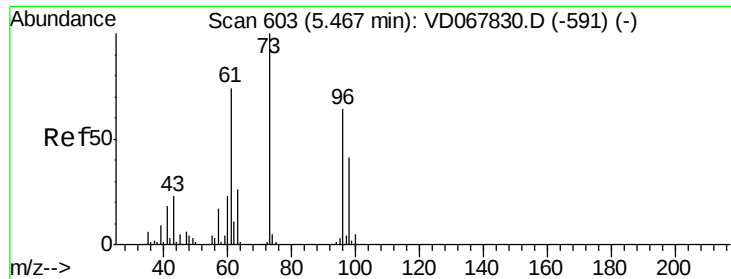
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#20
Methylene Chloride
Concen: 53.072 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion	84	Resp	91977
Ion Ratio	100	Lower	Upper
49	97.3	71.4	107.0
51	25.4	21.8	32.8
86	65.3	50.6	75.8





#21

trans-1,2-Dichloroethene

Concen: 49.985 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

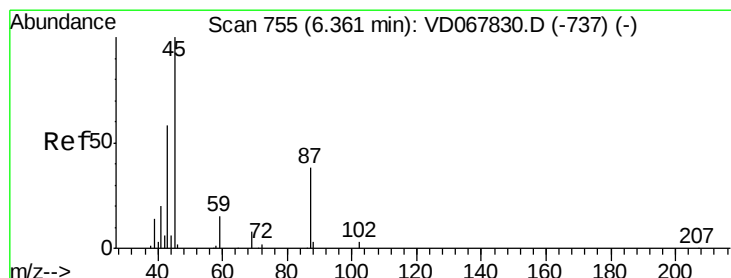
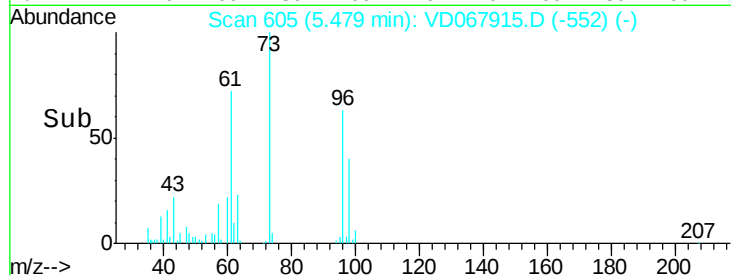
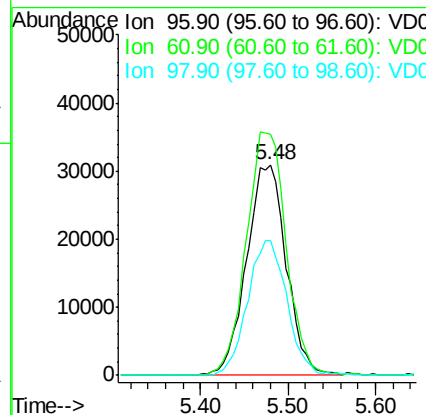
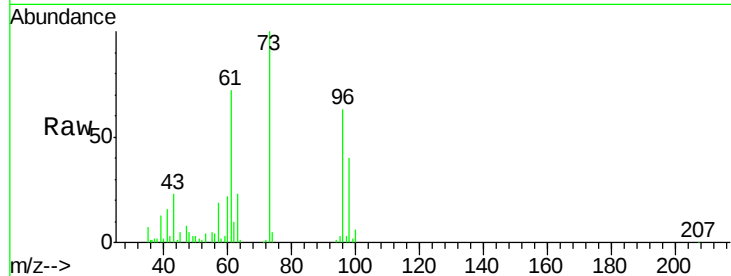
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	95512
Ion	Ratio	Lower	Upper
96	100		
61	114.4	93.1	139.7
98	64.2	52.2	78.2

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#22

Diisopropyl ether

Concen: 49.618 ug/l

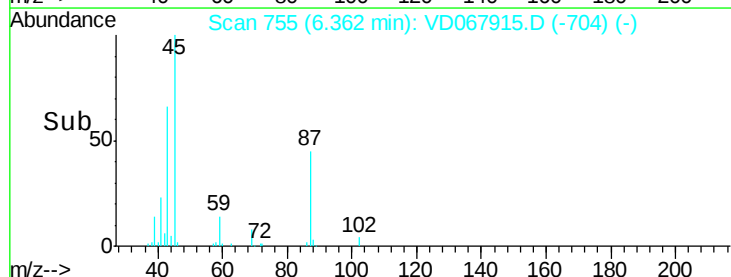
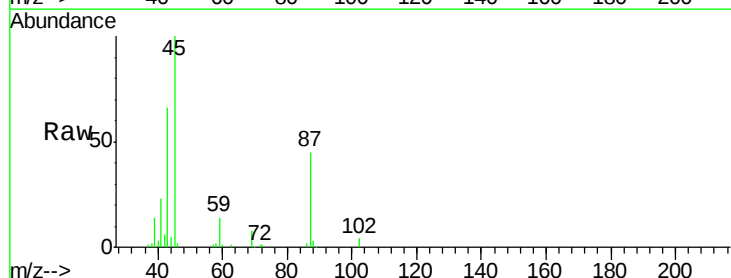
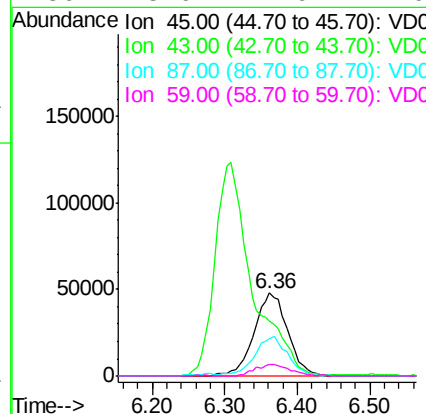
RT: 6.36 min Scan# 755

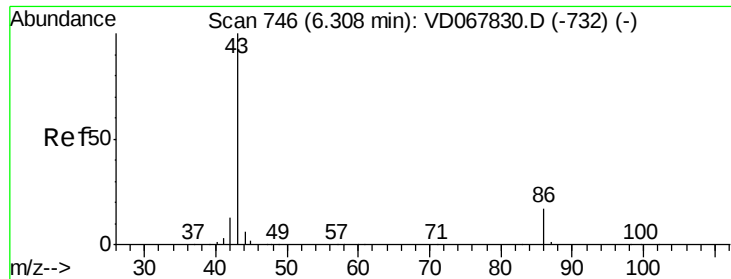
Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Tgt Ion:	45	Resp:	155027
Ion	Ratio	Lower	Upper
45	100		
43	64.3	49.8	74.6
87	44.9	32.1	48.1
59	13.9	11.9	17.9





#23

Vinyl Acetate

Concen: 253.886 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 441293

Ion Ratio Lower Upper

43 100

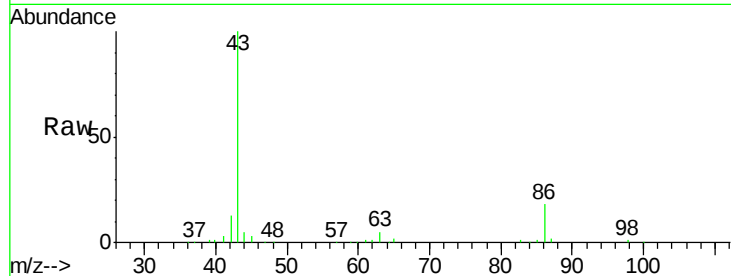
86 17.6 13.8 20.6

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

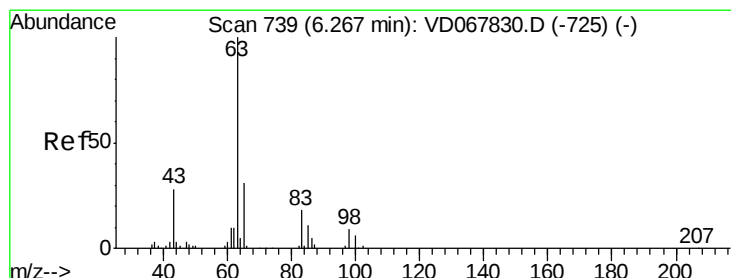
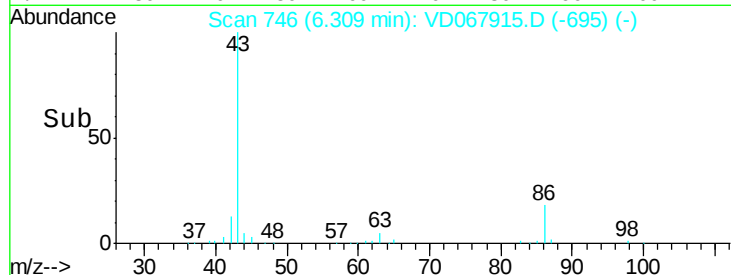
6.31

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.961 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

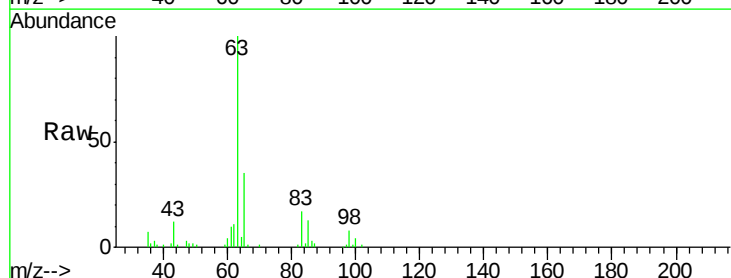
Tgt Ion: 63 Resp: 136835

Ion Ratio Lower Upper

63 100

98 8.4 4.5 13.5

100 3.7 3.0 9.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

60000

50000

40000

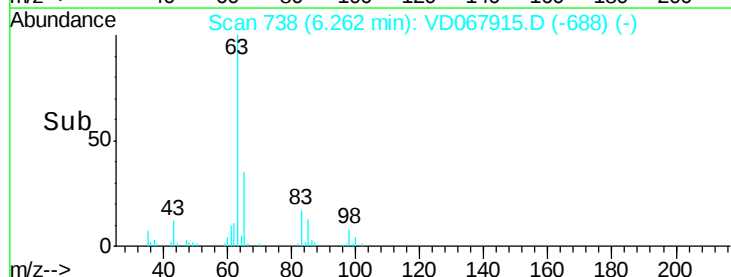
30000

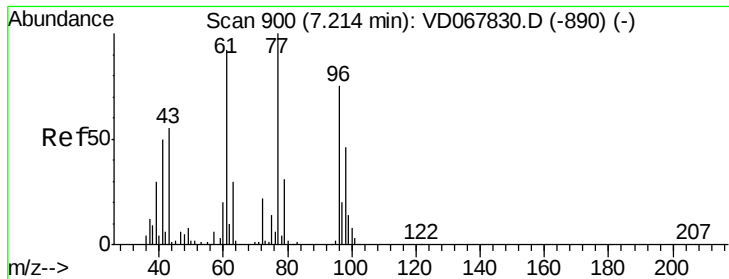
20000

10000

0

Time-->





#25

2-Butanone

Concen: 230.079 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 65055

Ion Ratio Lower Upper

43 100

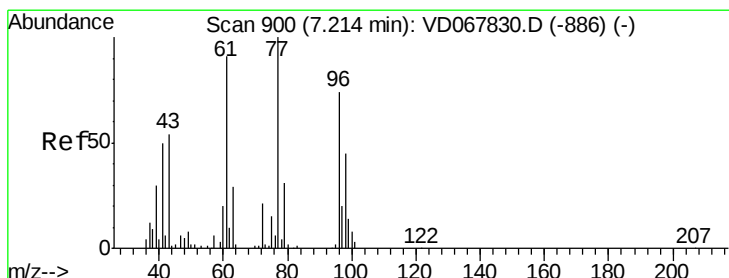
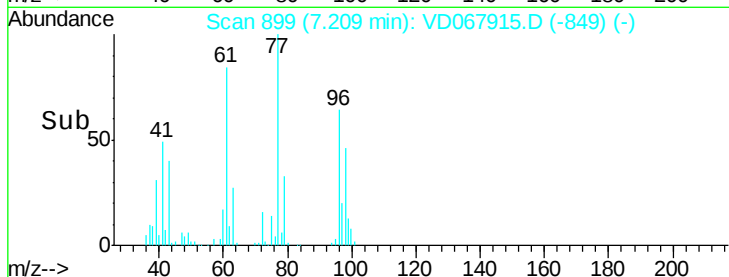
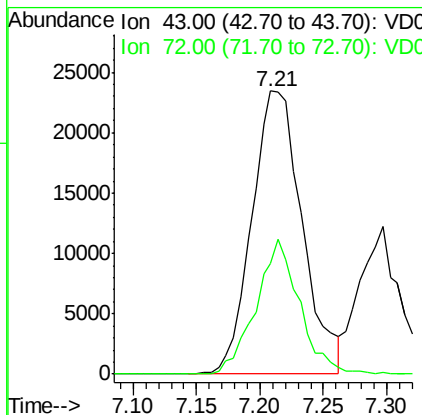
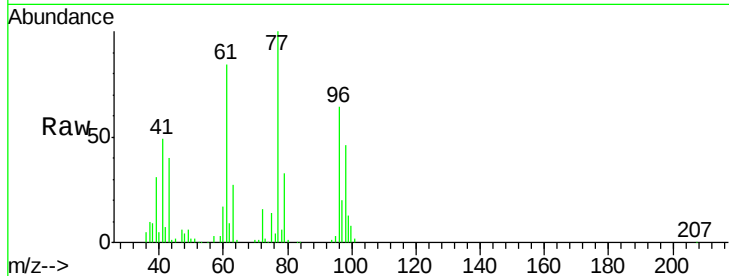
72 39.1 31.3 46.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.831 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067915.D

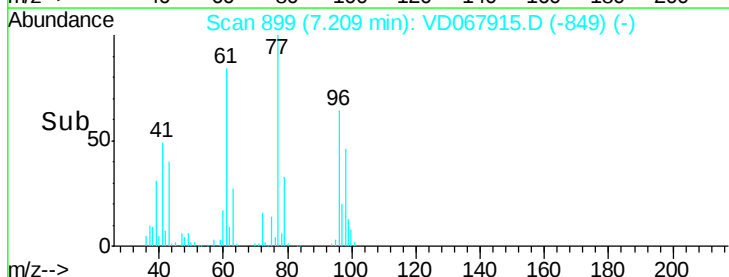
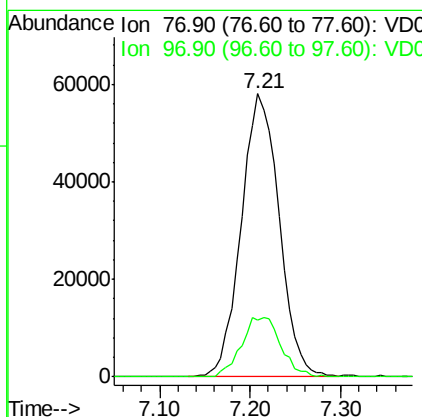
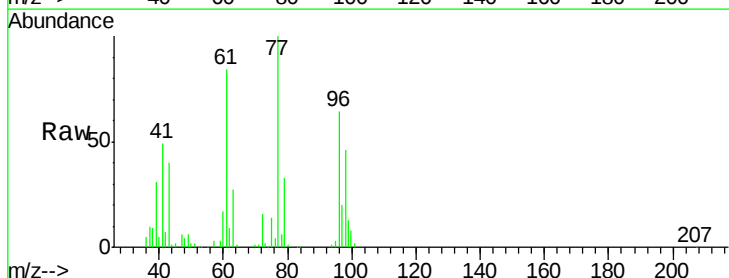
Acq: 08 Dec 2020 16:35

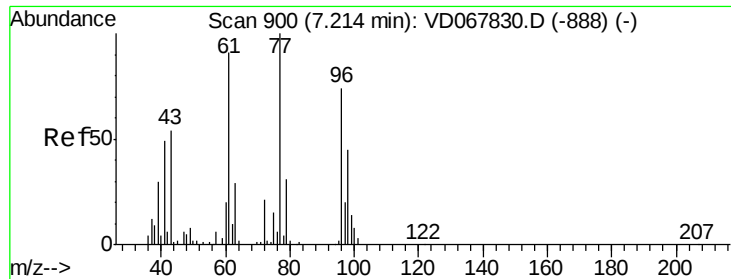
Tgt Ion: 77 Resp: 169278

Ion Ratio Lower Upper

77 100

97 22.0 11.1 33.1





#27

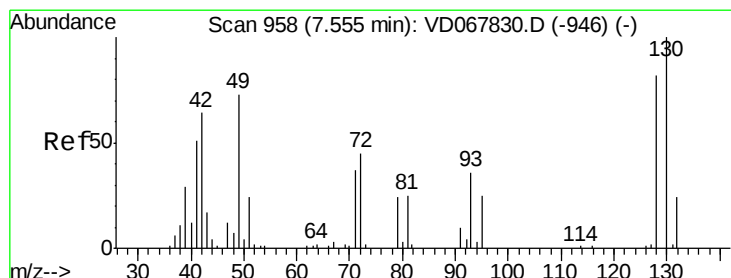
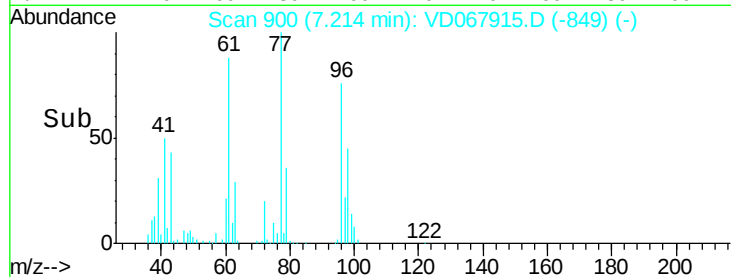
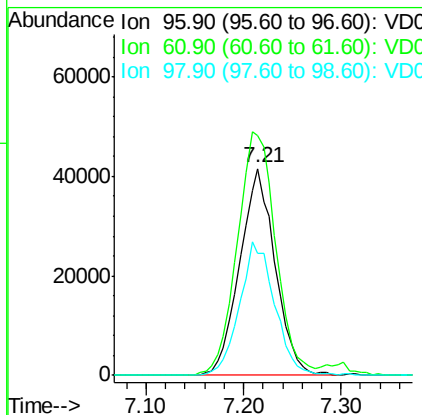
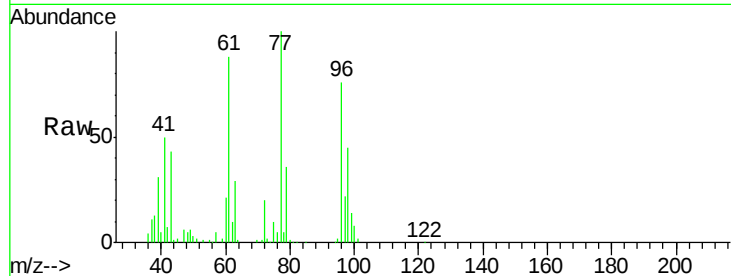
cis-1,2-Dichloroethene
Concen: 50.542 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	127.5	0.0	248.4		
98	63.6	0.0	127.4		

Manual Integrations
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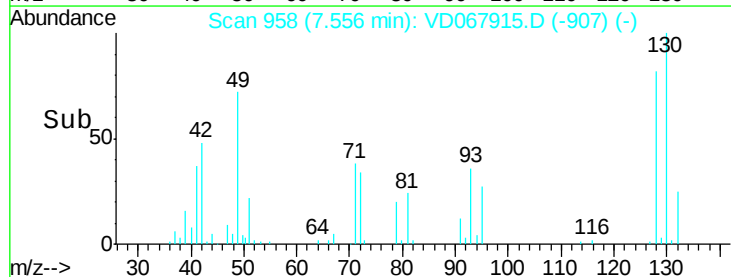
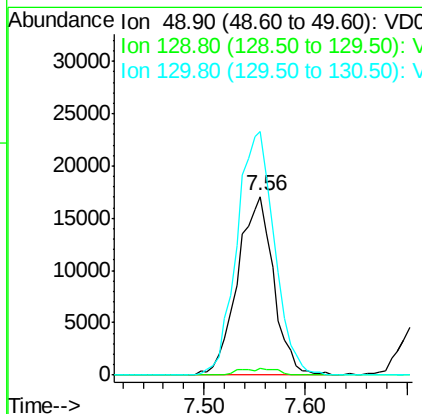
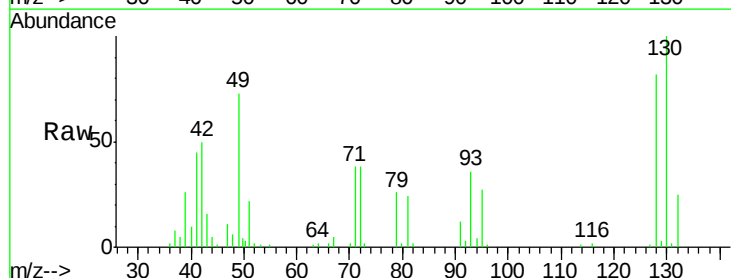
MMDadoda
12/9/2020 9:28:52 AM

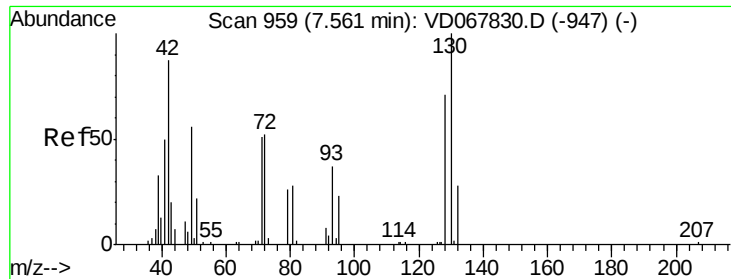


#28

Bromochloromethane
Concen: 48.350 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	2.0	0.0	3.4		
130	142.2	110.2	165.2		





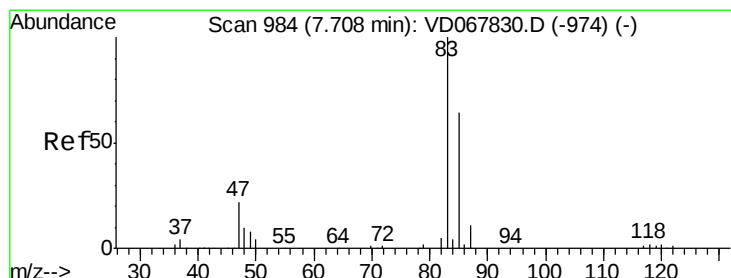
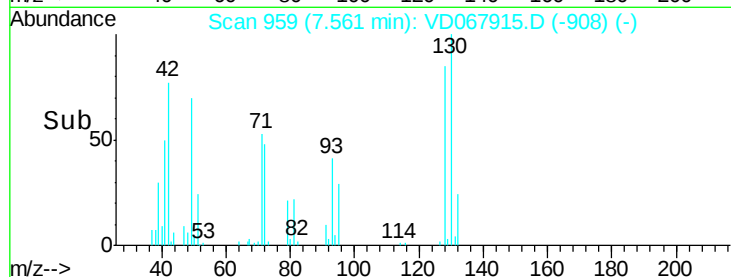
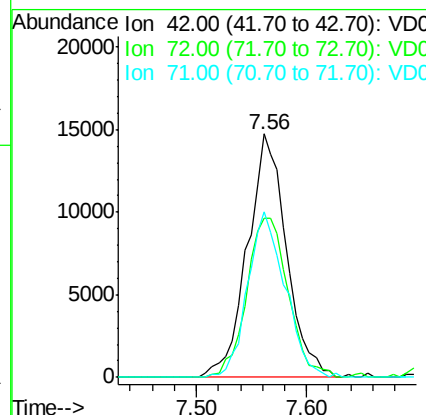
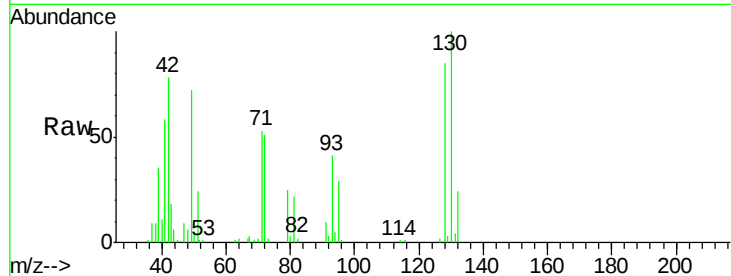
#29
Tetrahydrofuran
Concen: 226.717 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	69.8	51.9	77.9
71	65.3	48.2	72.4

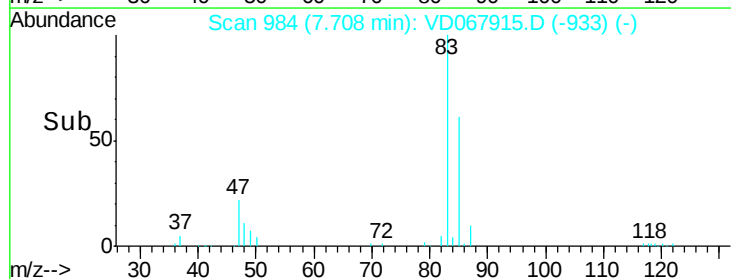
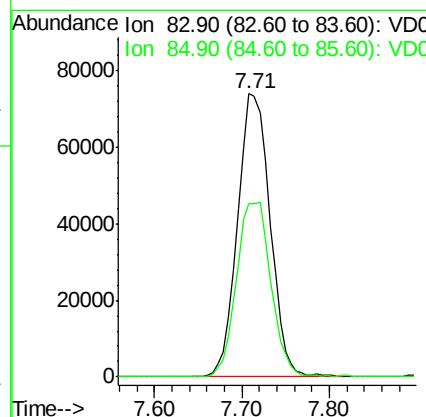
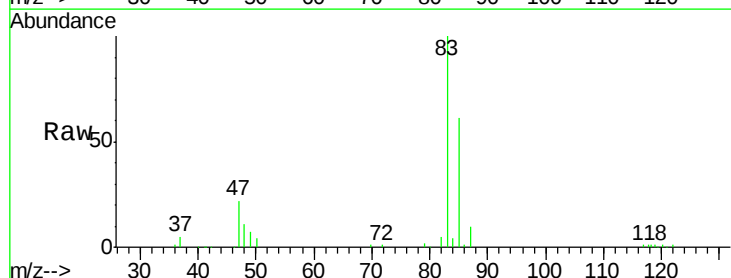
Manual Integrations
APPROVED

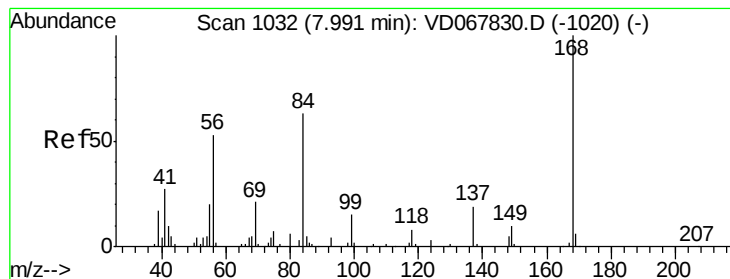
MMDadoda
12/9/2020 9:28:52 AM



#30
Chloroform
Concen: 50.948 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.0	76.4





#31

Cyclohexane

Concen: 45.734 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

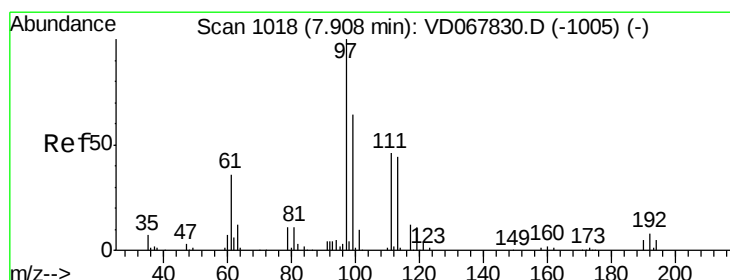
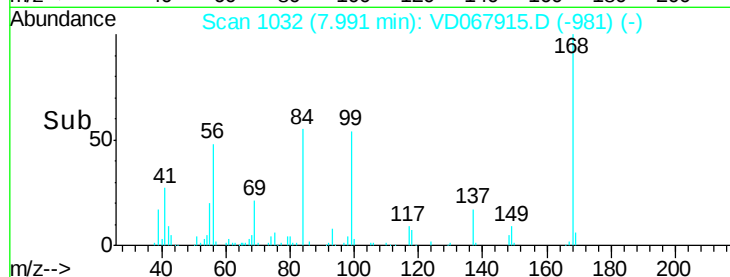
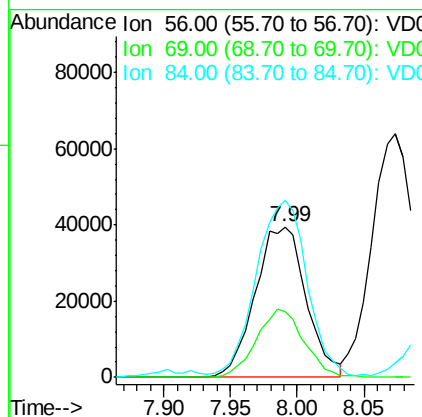
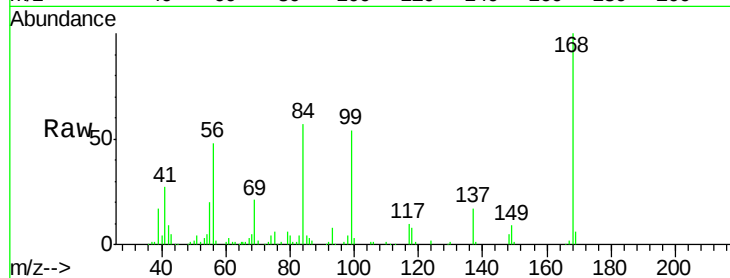
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	104824
Ion Ratio	Lower	Upper	
56	100		
69	43.3	32.1	48.1
84	113.5	93.2	139.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.121 ug/l

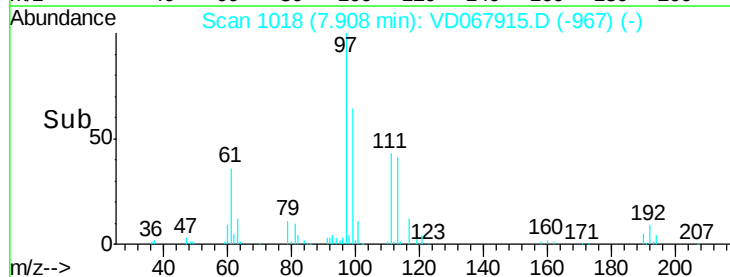
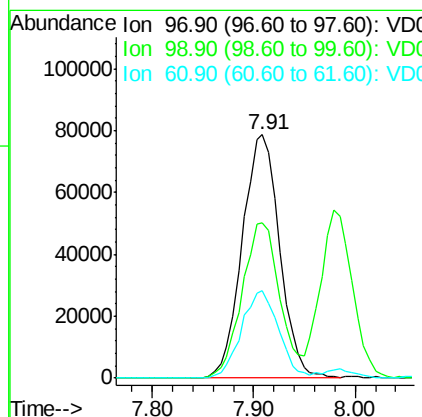
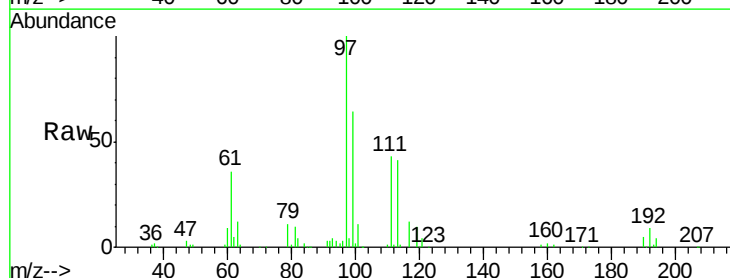
RT: 7.91 min Scan# 1018

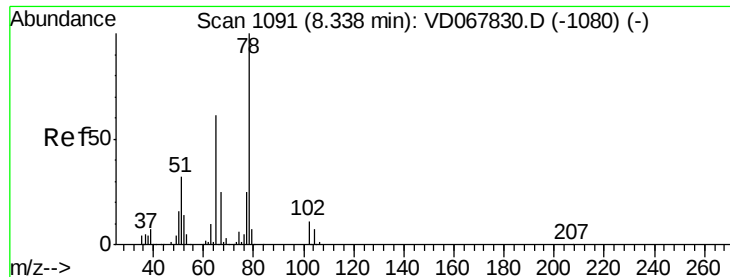
Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Tgt Ion:	97	Resp:	201380
Ion Ratio	Lower	Upper	
97	100		
99	65.1	51.4	77.2
61	35.7	30.8	46.2





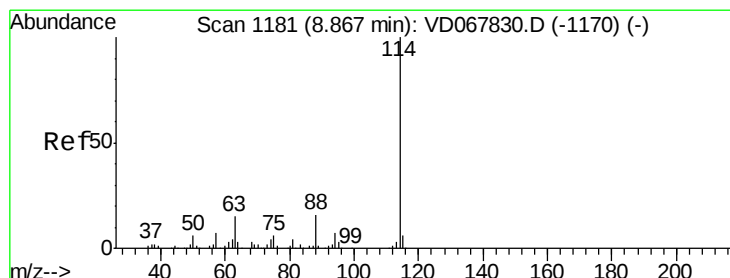
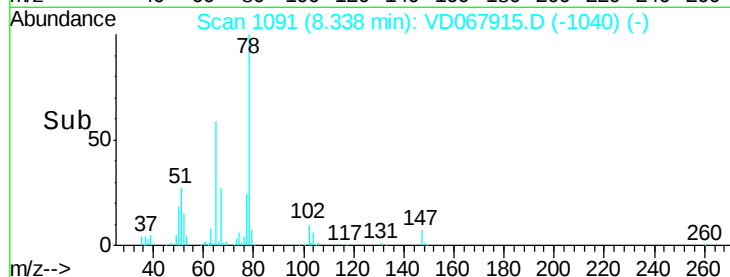
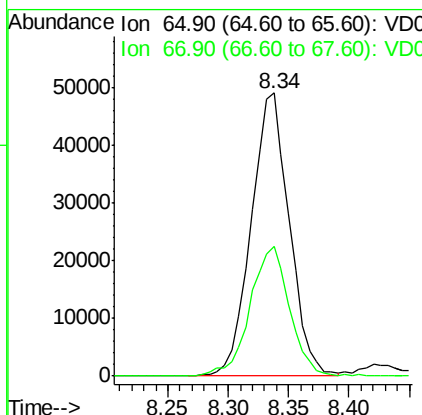
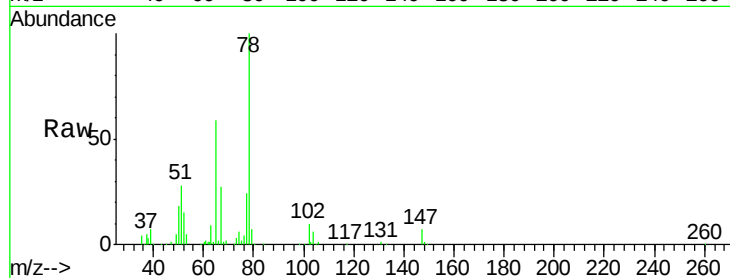
#33
 1,2-Dichloroethane-d4
 Concen: 49.474 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	47.7	0.0	92.0

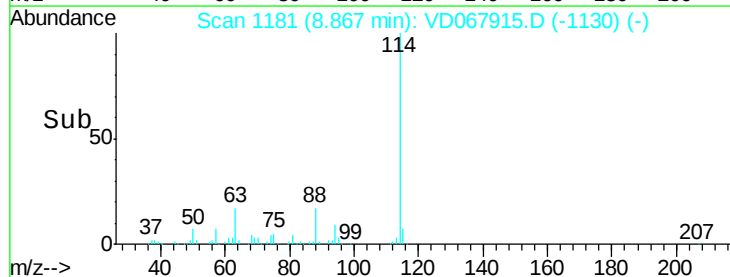
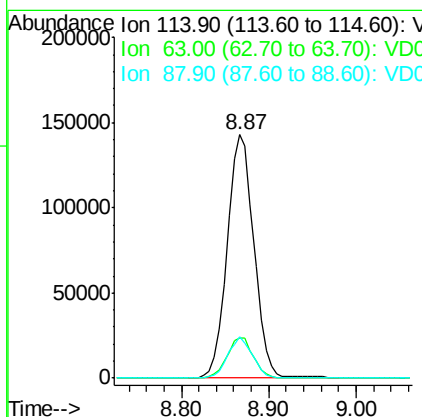
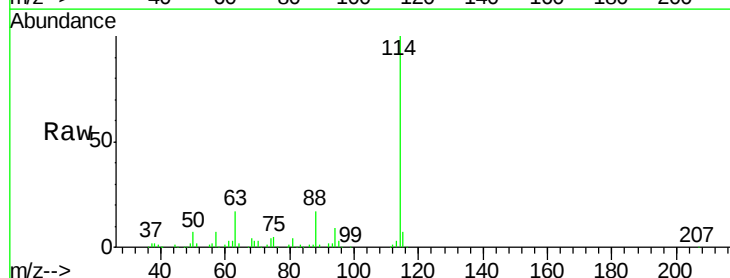
Manual Integrations
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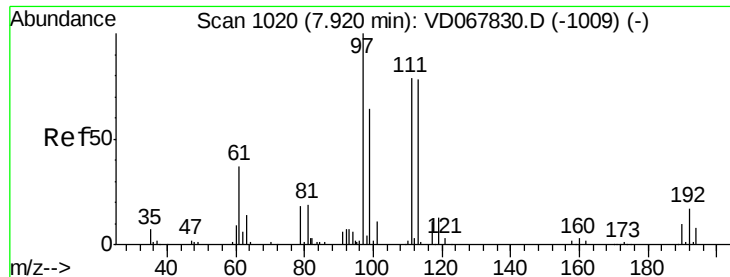
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.5	0.0	30.8
88	16.8	0.0	31.8





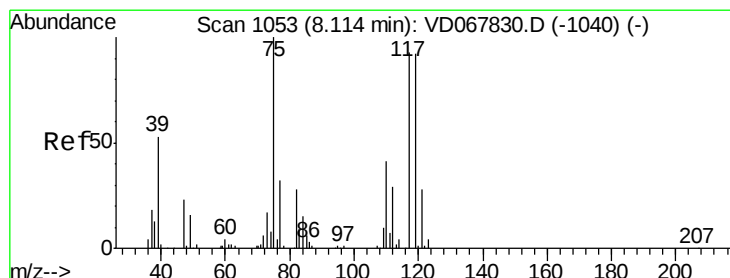
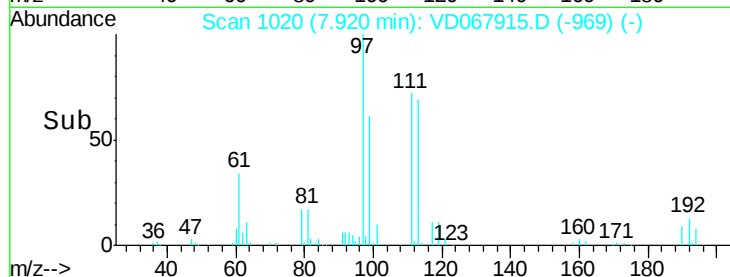
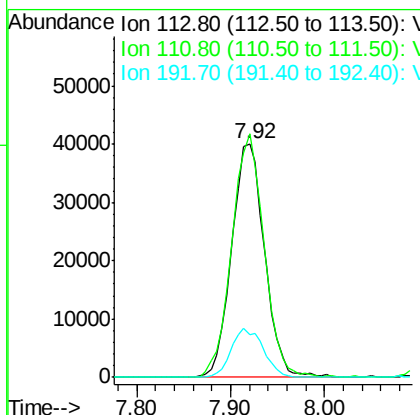
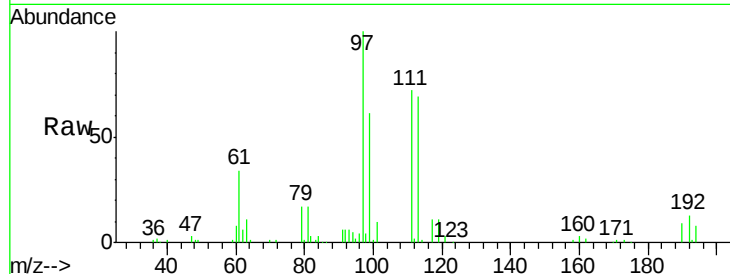
#35
 Dibromofluoromethane
 Concen: 48.963 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.2	121.8
192	20.6	16.8	25.2

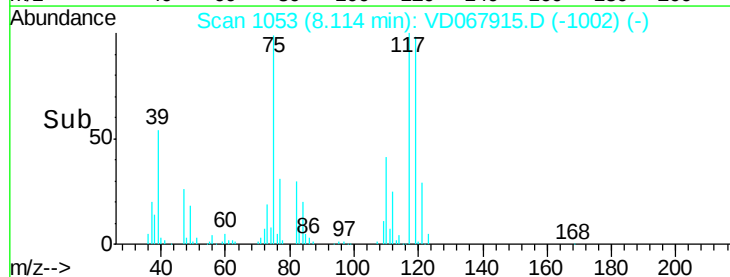
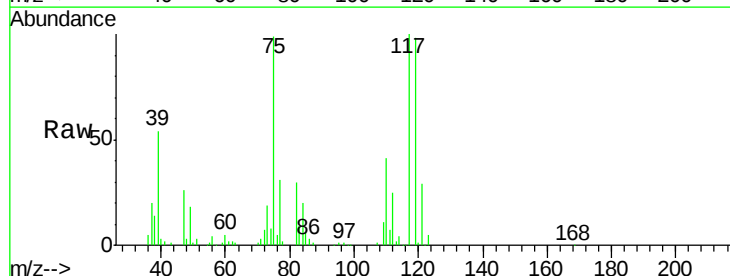
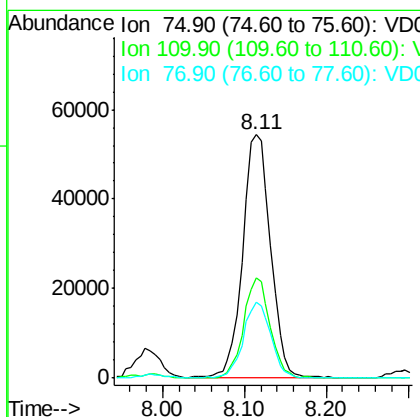
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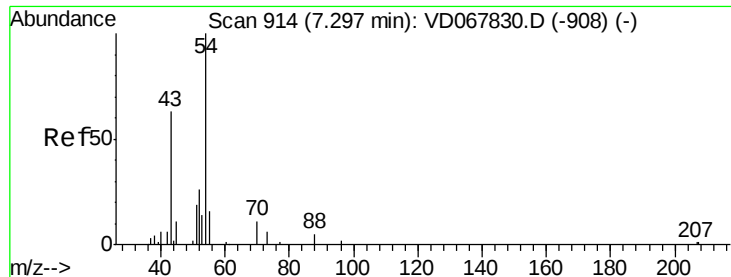
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#36
 1,1-Dichloropropene
 Concen: 50.419 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.7	20.3	61.0
77	30.7	24.7	37.1





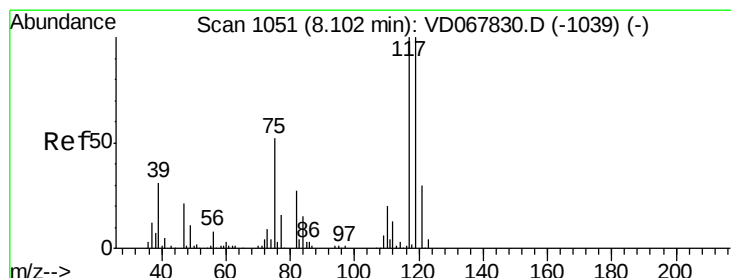
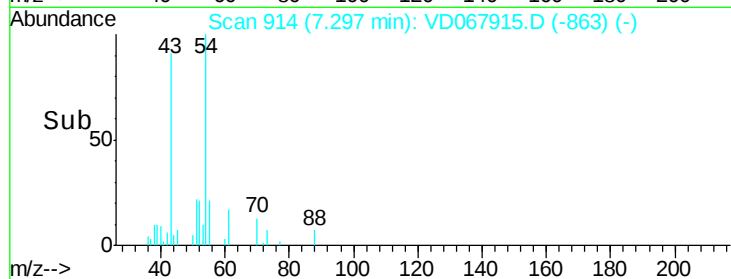
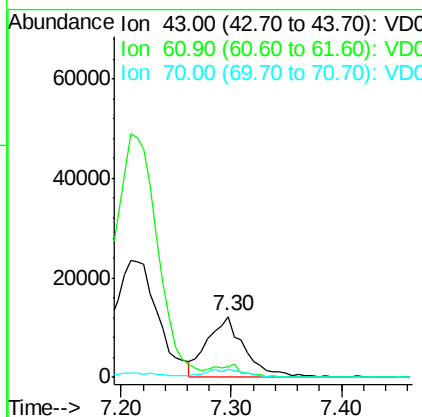
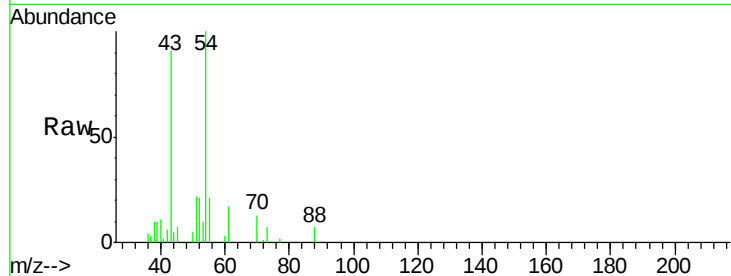
#37
Ethyl Acetate
Concen: 41.534 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.4	17.2
70	13.9	11.5	17.3

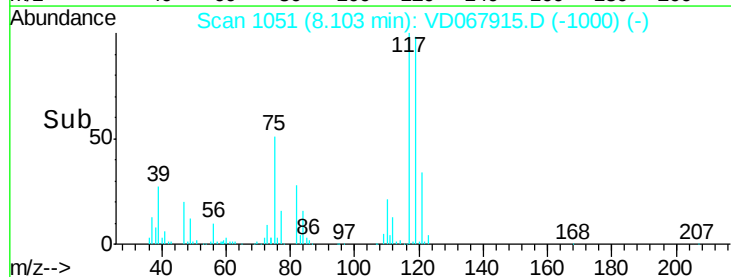
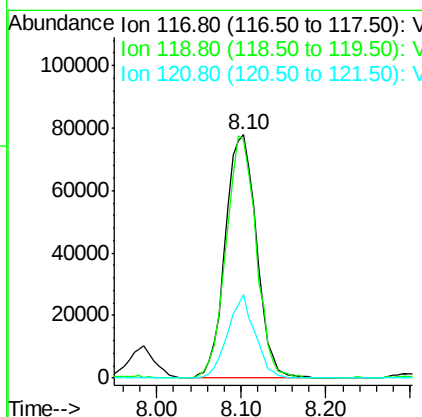
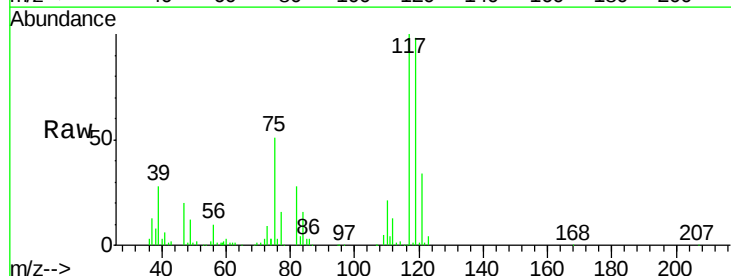
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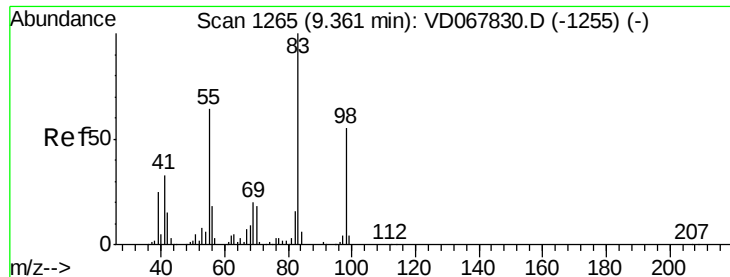
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#38
Carbon Tetrachloride
Concen: 51.216 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	79.7	119.5
121	34.3	23.8	35.6





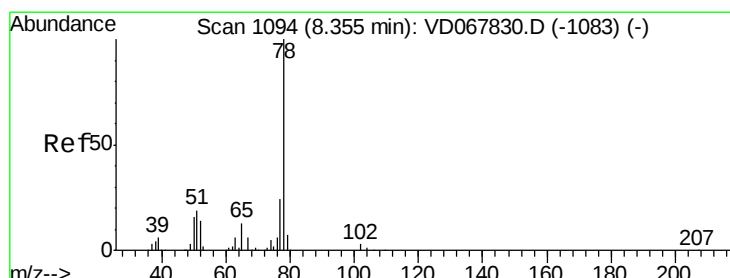
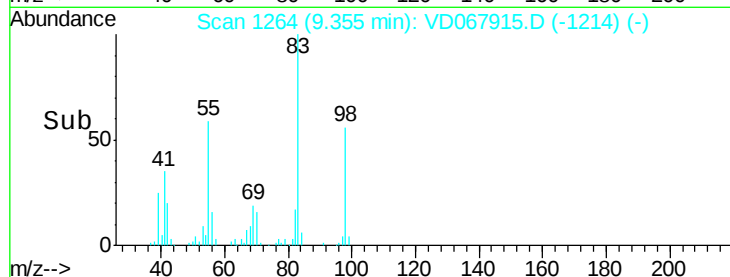
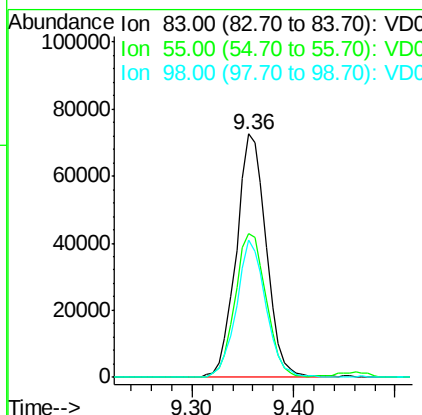
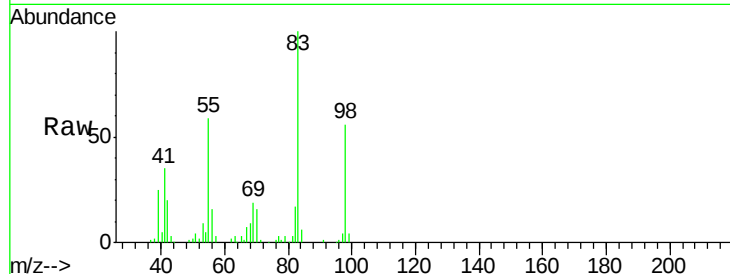
#39
Methvlcvclohexane
Concen: 48.893 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	58.9	51.6	77.4
98	56.2	44.3	66.5

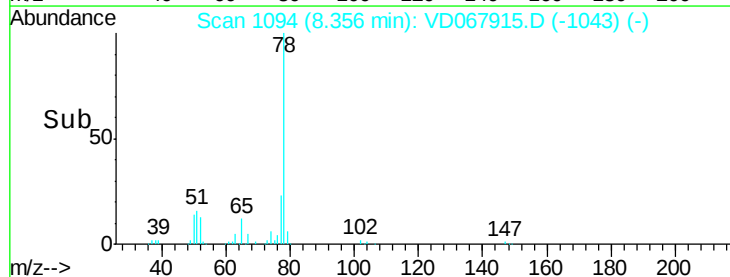
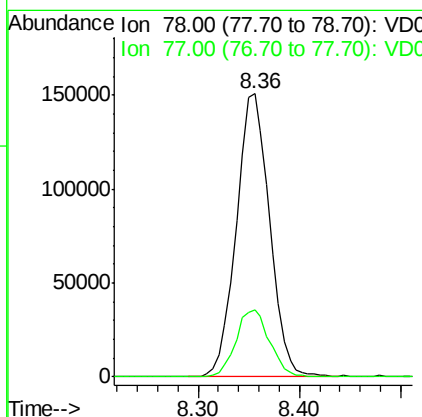
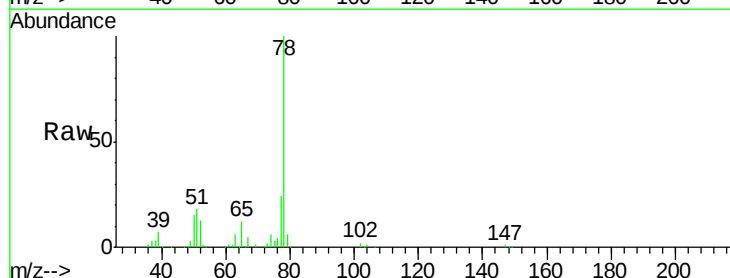
Manual Integrations
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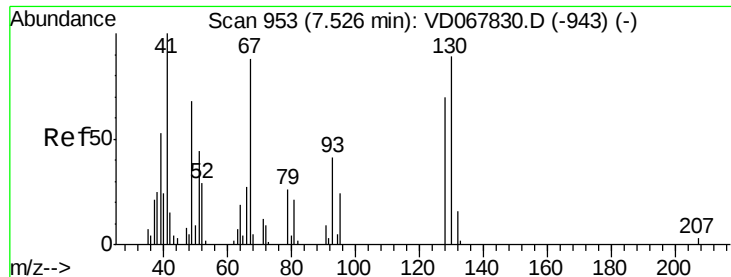
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#40
Benzene
Concen: 48.942 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7





#41

Methacrylonitrile

Concen: 37.675 ug/l m

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 12739

Ion Ratio Lower Upper

41 100

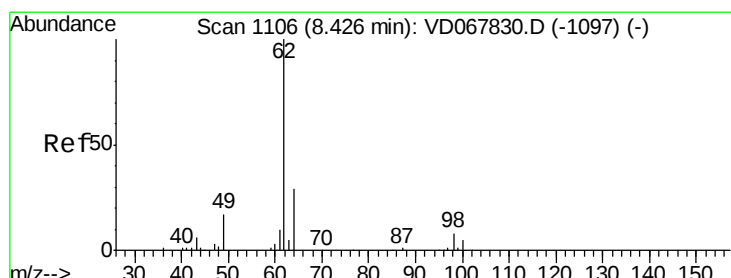
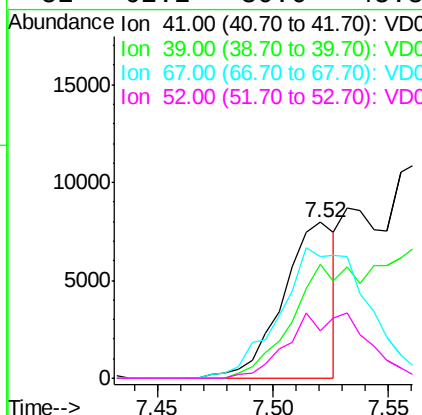
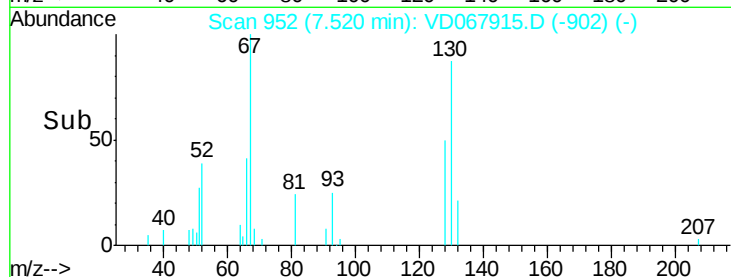
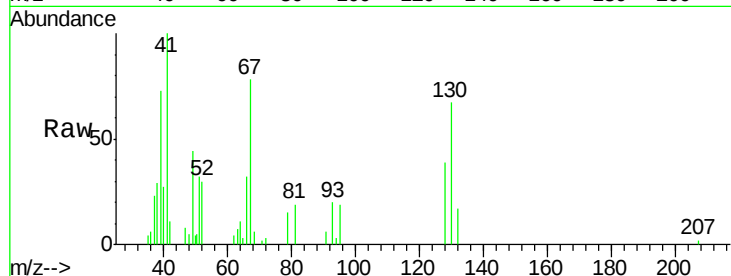
39 61.9 42.1 63.1

67 139.1 82.4 123.6#

52 62.2 30.6 45.8#

Manual Integrations
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12/9/2020 9:28:52 AM



#42

1,2-Dichloroethane

Concen: 50.571 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067915.D

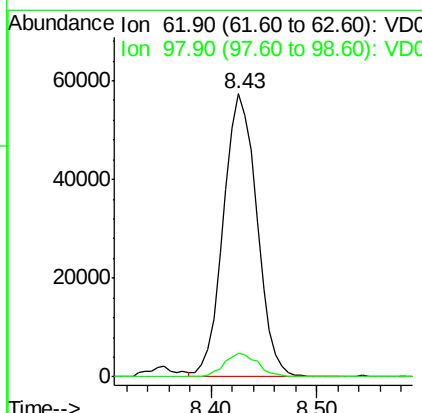
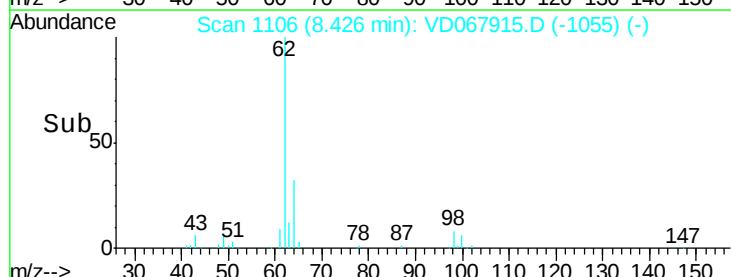
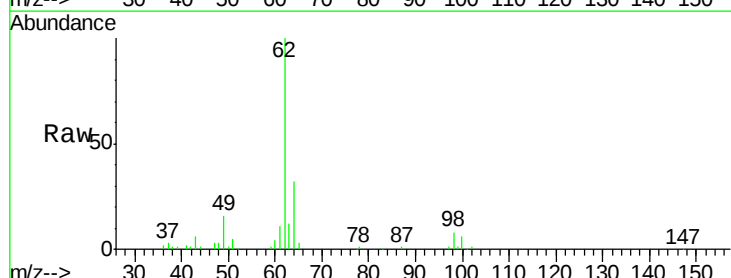
Acq: 08 Dec 2020 16:35

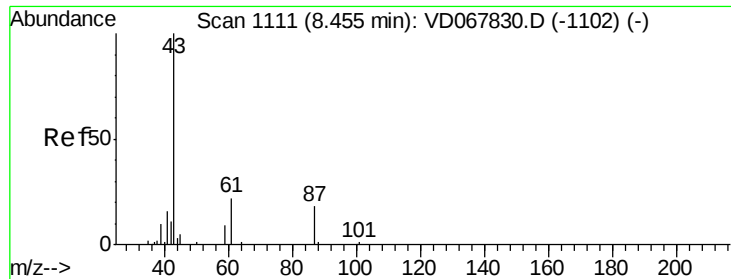
Tgt Ion: 62 Resp: 126585

Ion Ratio Lower Upper

62 100

98 8.4 0.0 17.2





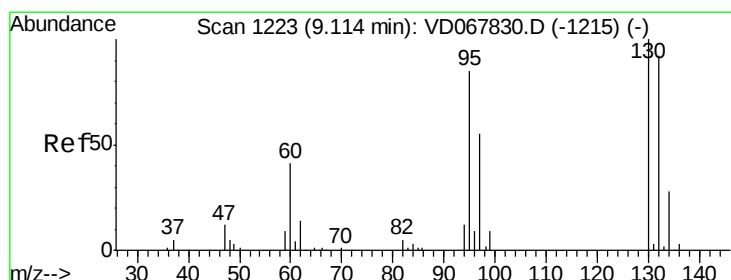
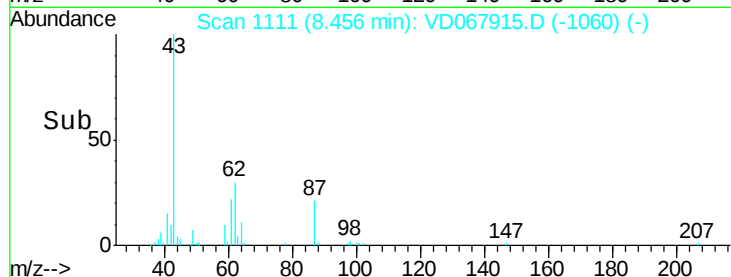
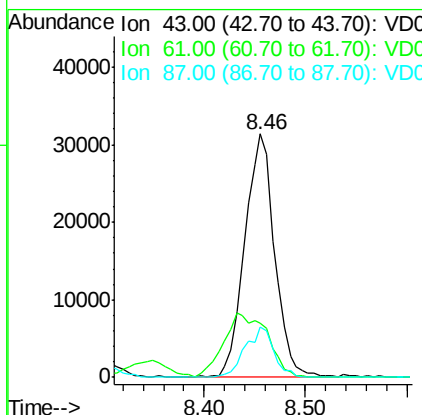
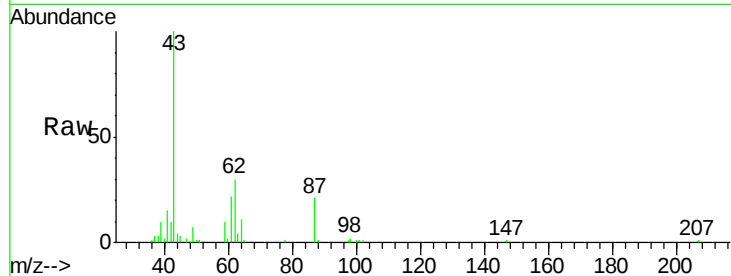
#43
Isopropyl Acetate
Concen: 47.160 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	30.4	45.6#
87	19.6	16.2	24.2

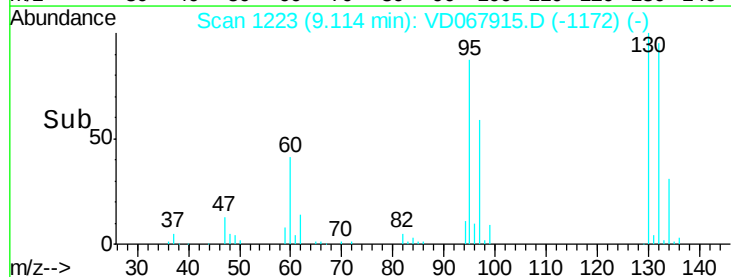
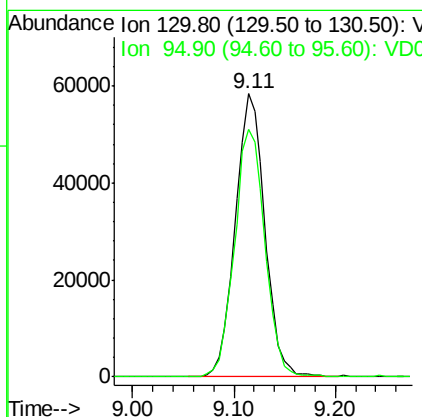
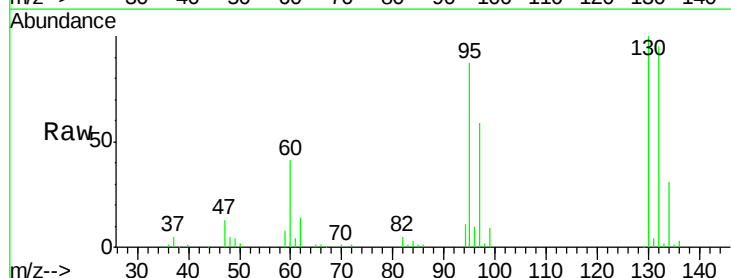
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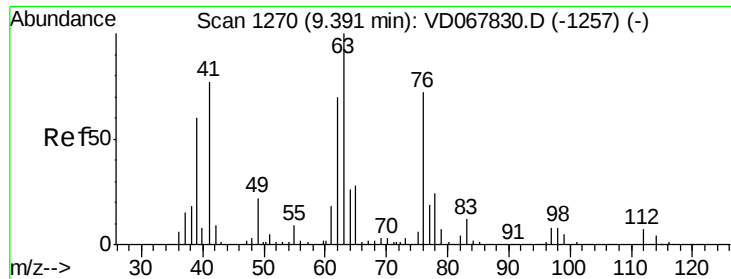
MMDadoda
12/9/2020 9:28:52 AM



#44
Trichloroethene
Concen: 48.836 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.4	0.0	170.2





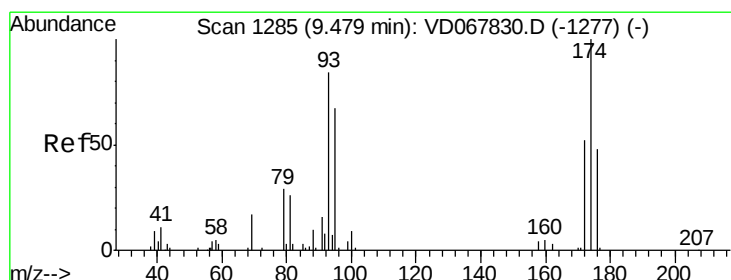
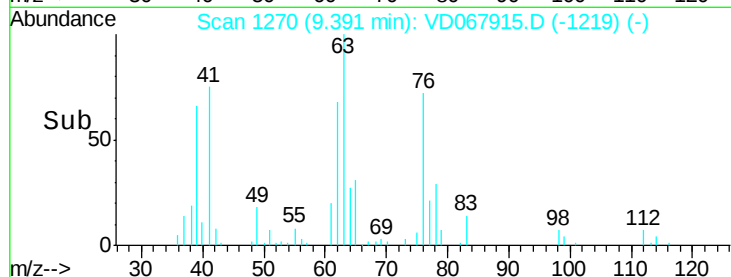
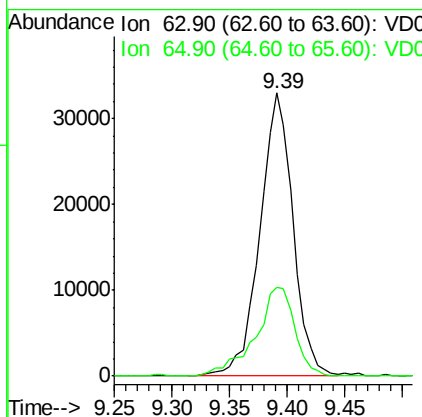
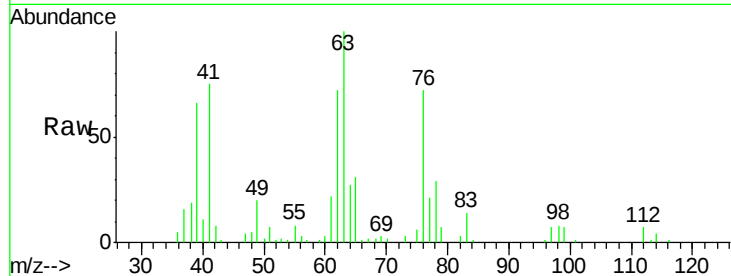
#45
 1,2-Dichloropropane
 Concen: 45.749 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 65946
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.8 34.2

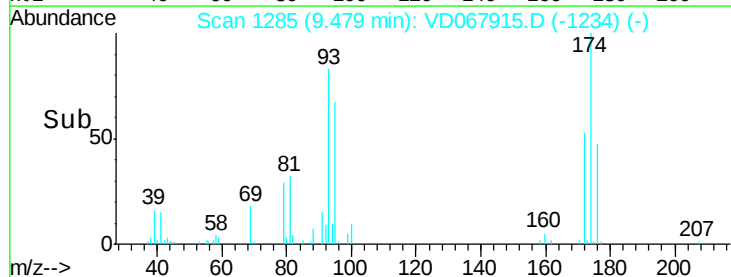
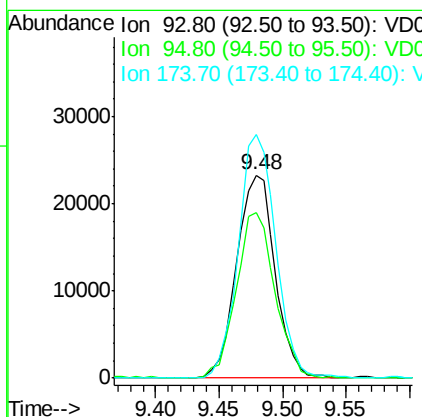
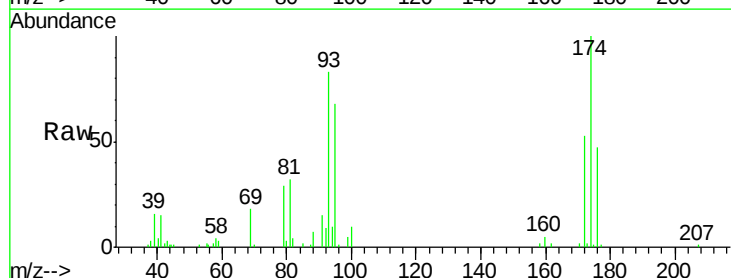
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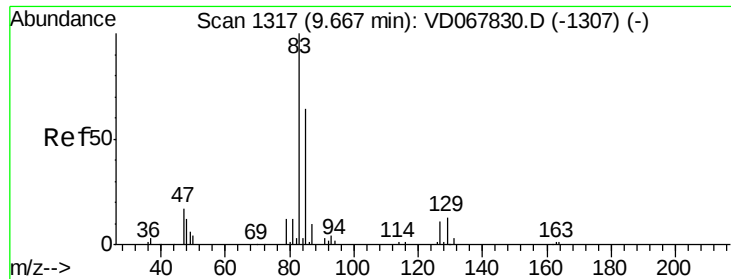
MMDadoda
 12/9/2020 9:28:52 AM



#46
 Dibromomethane
 Concen: 48.797 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Tgt Ion: 93 Resp: 48905
 Ion Ratio Lower Upper
 93 100
 95 82.2 64.2 96.4
 174 116.9 91.5 137.3





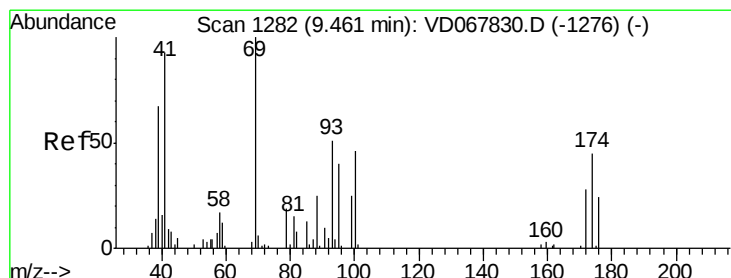
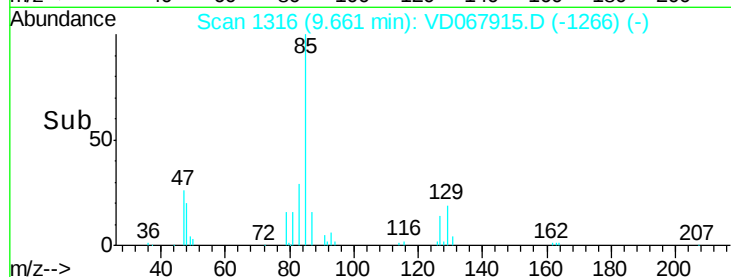
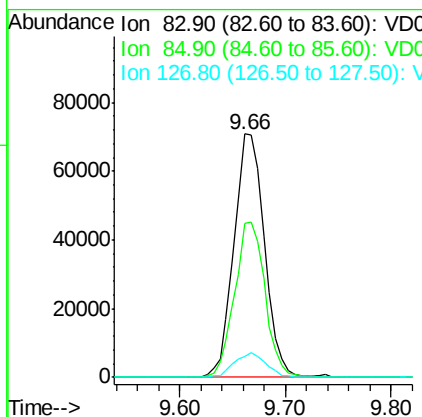
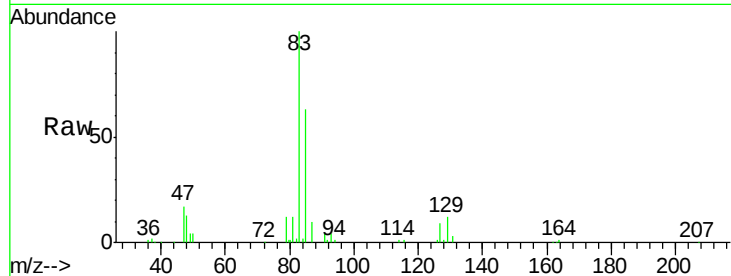
#47
Bromodichloromethane
Concen: 49.595 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.4	77.0
127	8.6	8.5	12.7

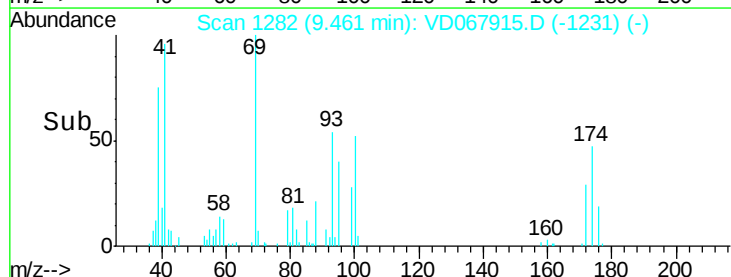
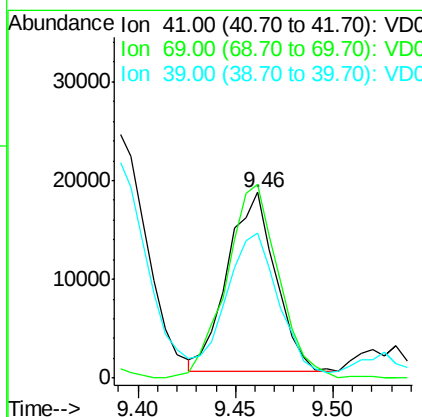
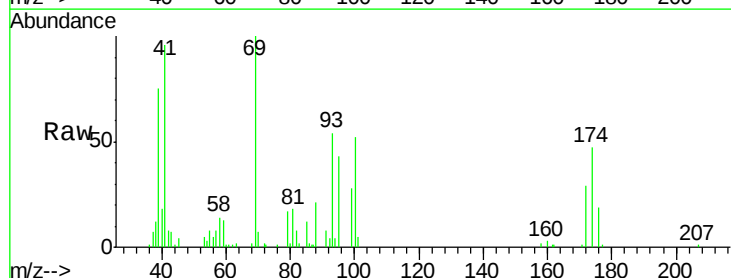
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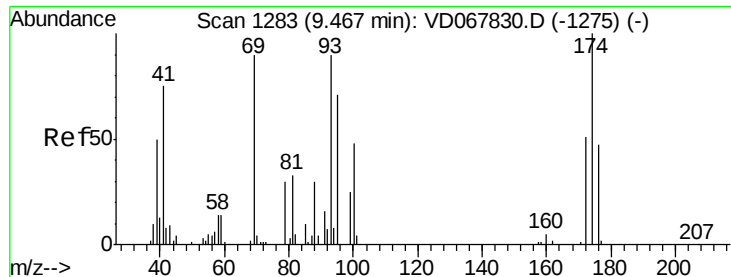
MMDadoda
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#48
Methyl methacrylate
Concen: 44.224 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion	Ratio	Lower	Upper
41	100		
69	118.8	87.6	131.4
39	83.0	61.2	91.8





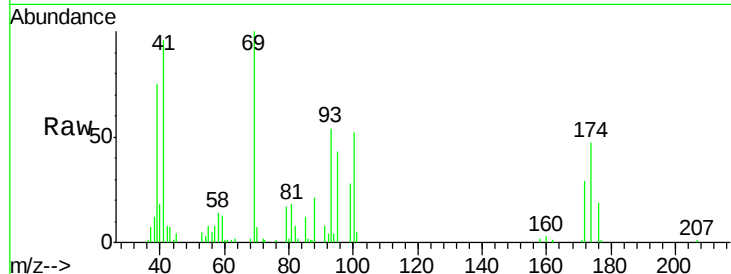
#49
1,4-Dioxane
Concen: 727.909 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	30.1	45.1
58	60.0	42.4	63.6

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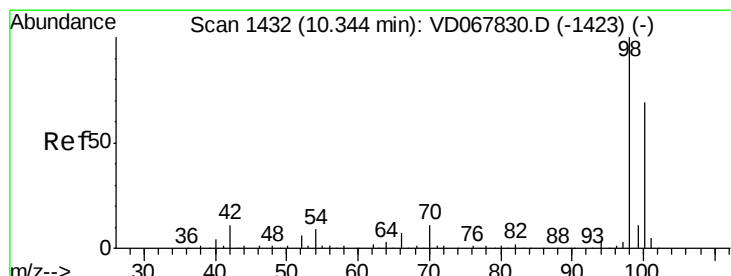
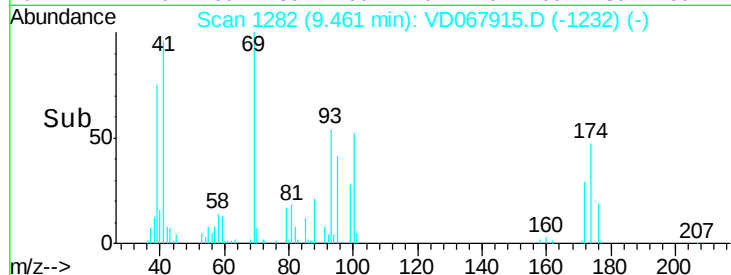
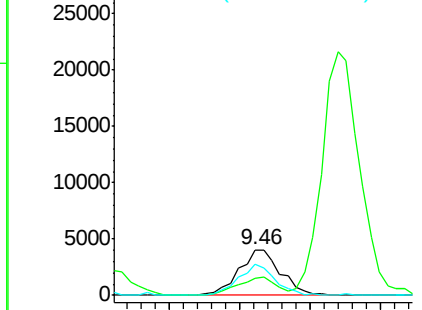


Abundance

Ion 88.00 (87.70 to 88.70): VDC

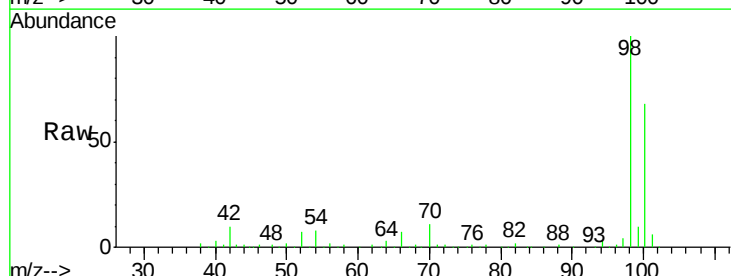
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 48.612 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

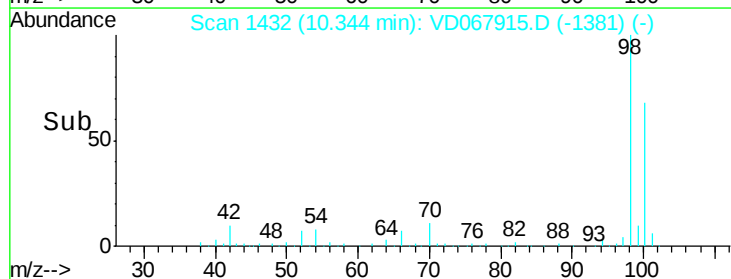
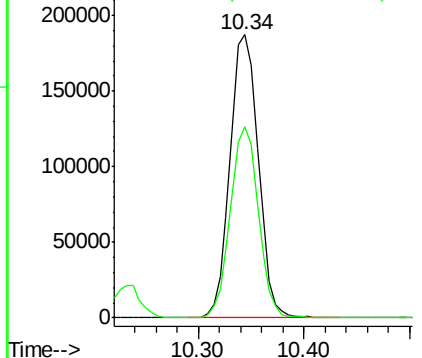
Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.9	79.3

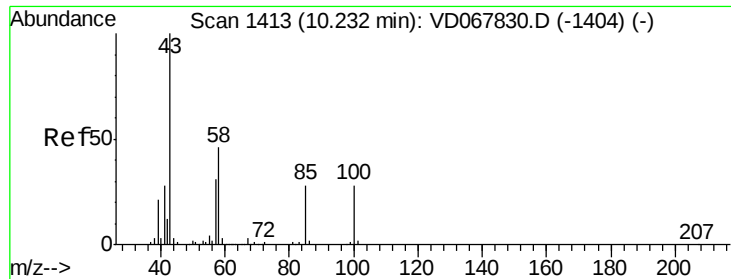


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





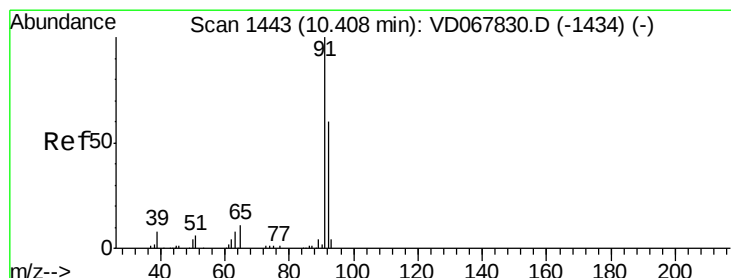
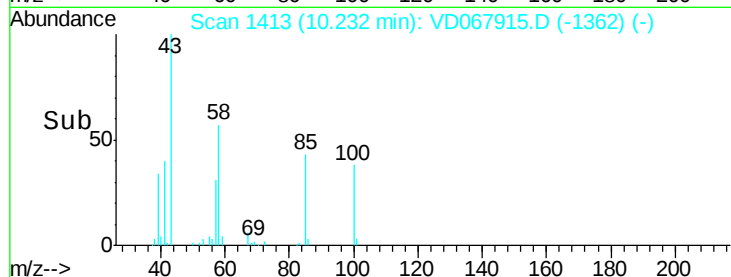
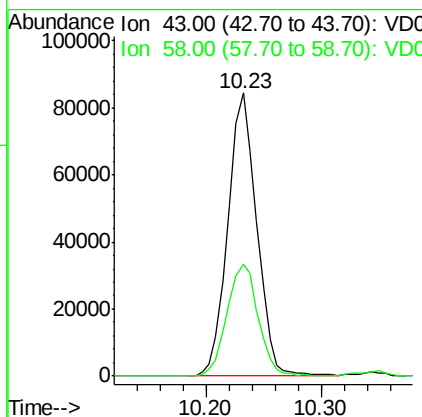
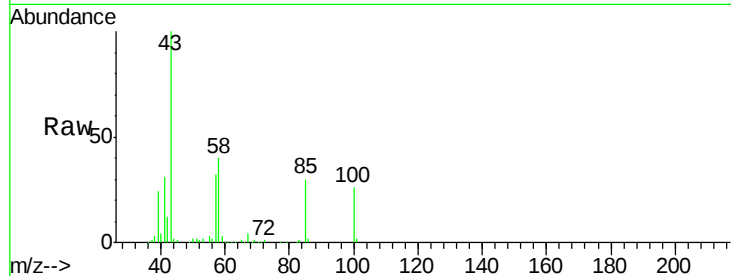
#51
4-Methyl-2-Pentanone
Concen: 227.869 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 146795
Ion Ratio Lower Upper
43 100
58 42.6 35.7 53.5

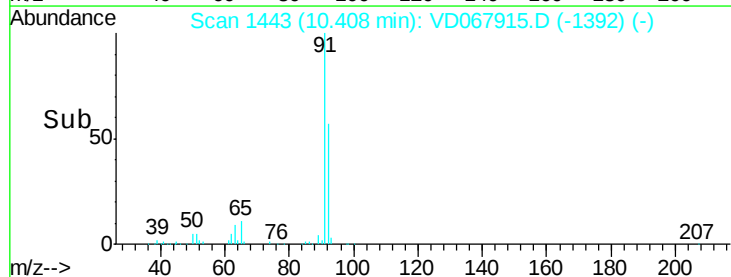
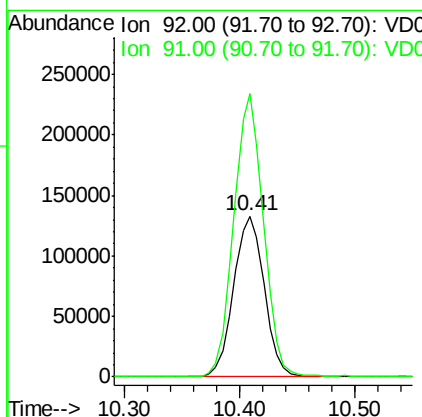
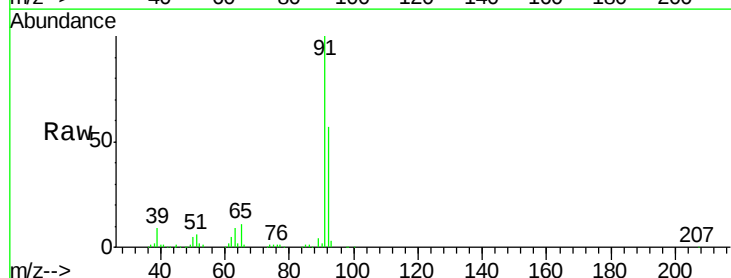
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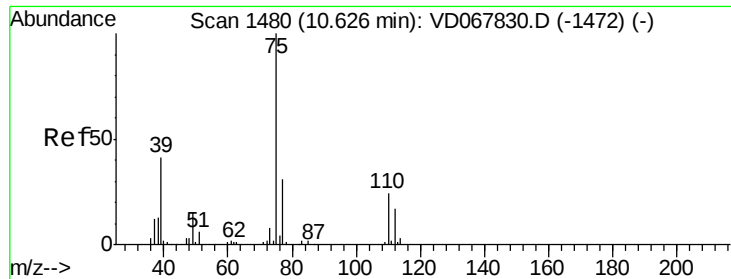
MMDadoda
12/9/2020 9:28:52 AM



#52
Toluene
Concen: 49.644 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion: 92 Resp: 243768
Ion Ratio Lower Upper
92 100
91 170.8 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 49.287 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 121546

Ion Ratio Lower Upper

75 100

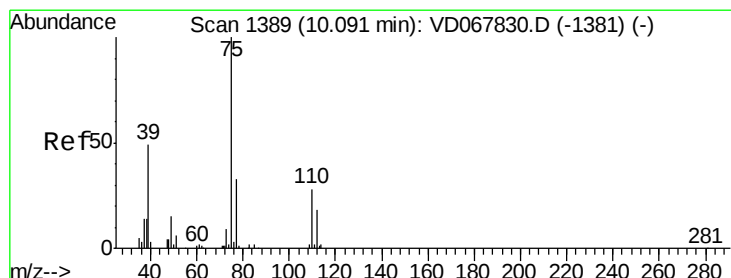
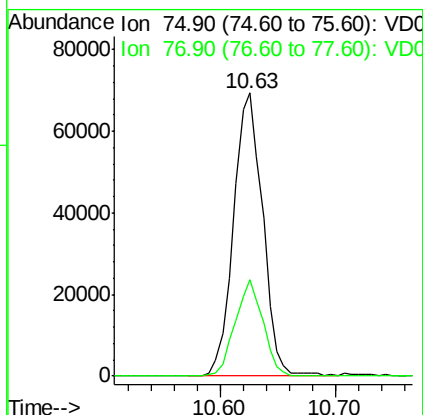
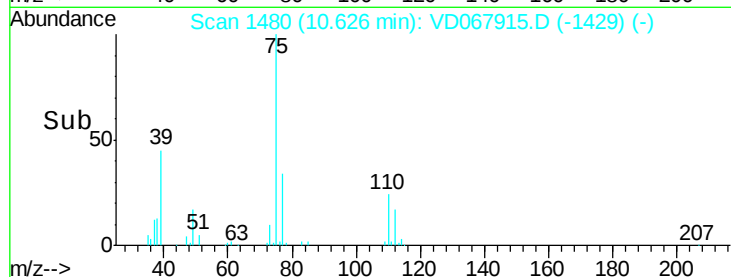
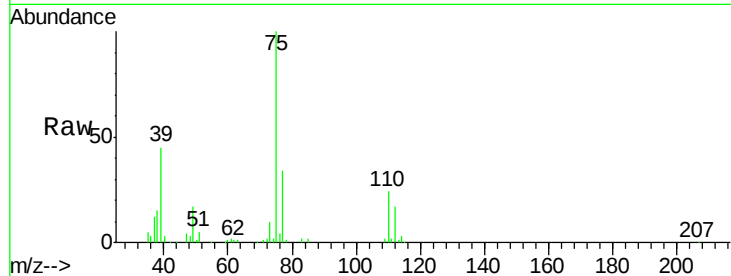
77 34.2 25.0 37.4

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#54

cis-1,3-Dichloropropene

Concen: 50.696 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

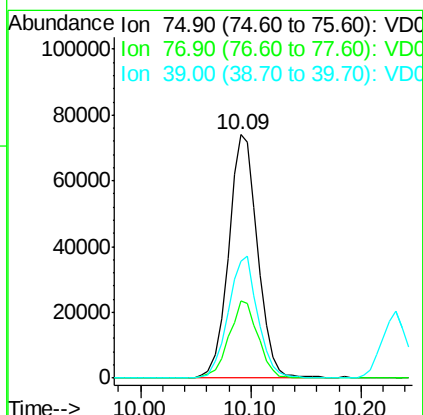
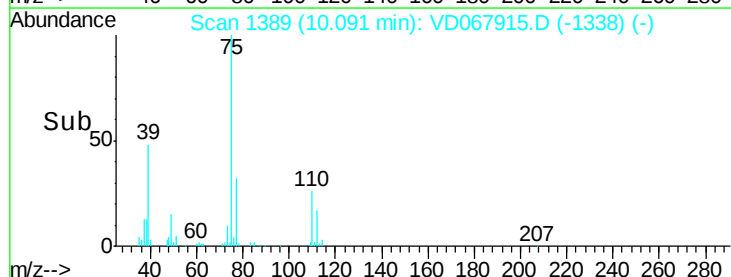
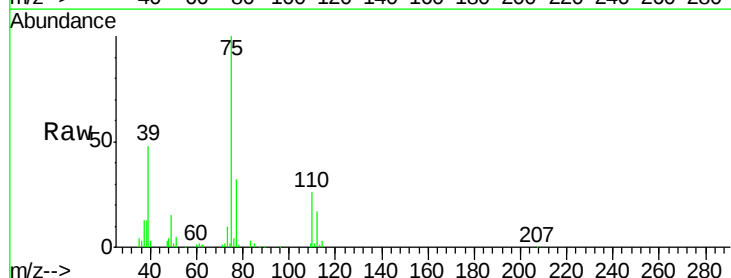
Tgt Ion: 75 Resp: 135990

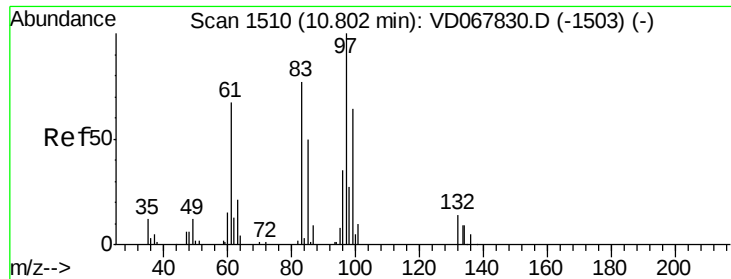
Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.2

39 47.5 39.0 58.4





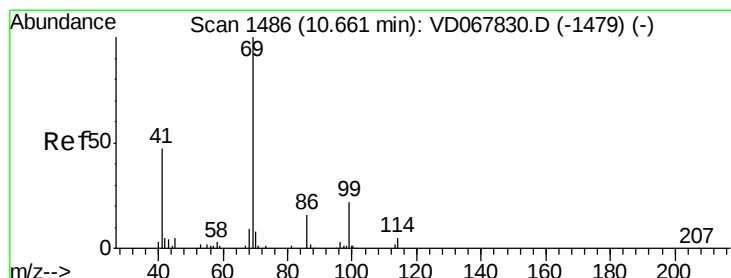
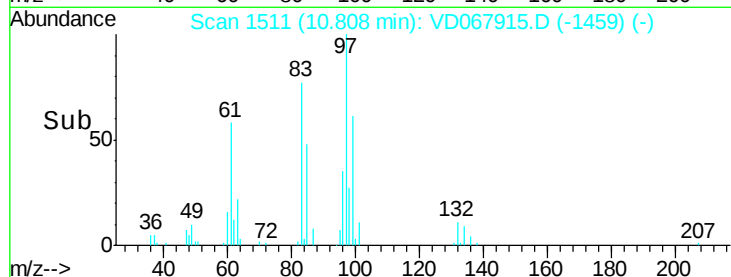
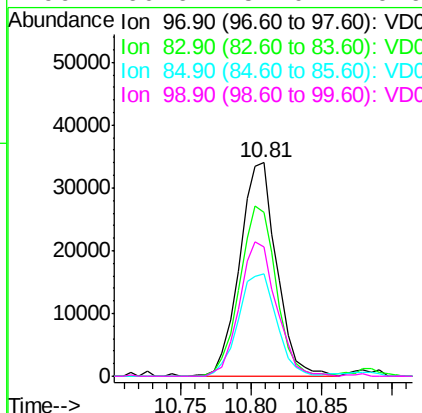
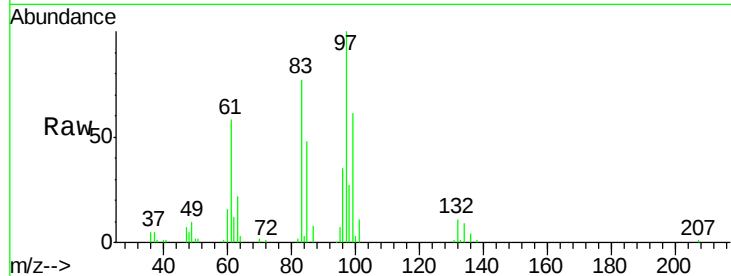
#55
 1,1,2-Trichloroethane
 Concen: 45.466 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	62359
Ion	Ratio	Lower	Upper
97	100		
83	76.5	61.9	92.9
85	47.9	40.2	60.4
99	60.6	51.0	76.6

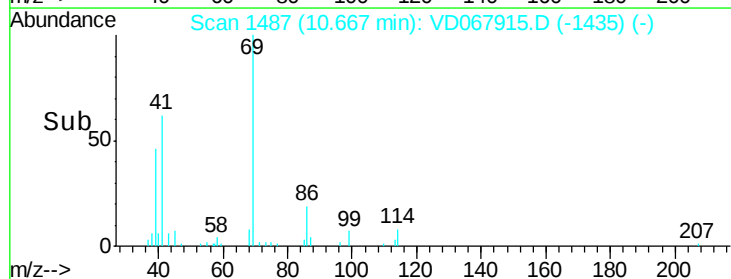
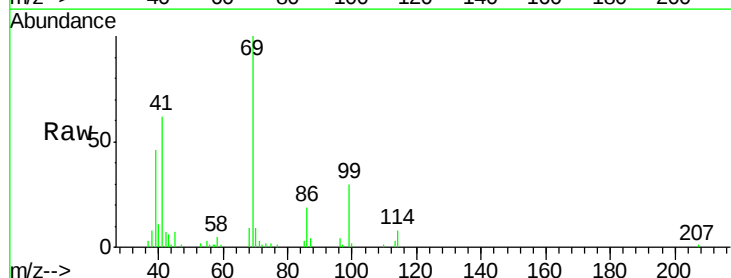
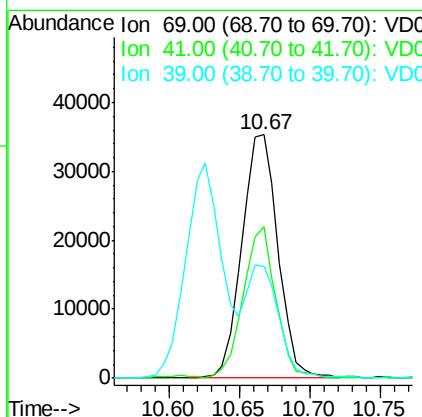
Manual Integrations
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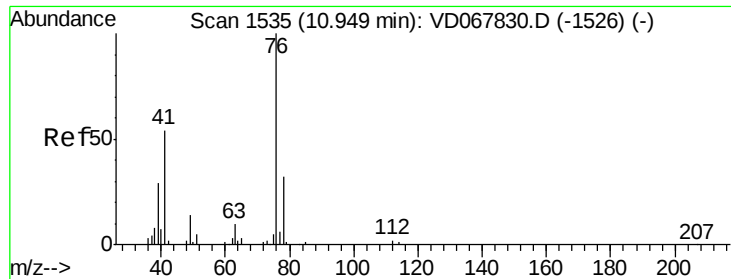
MMDadoda
 12/9/2020 9:28:52 AM



#56
 Ethyl methacrylate
 Concen: 45.284 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Tgt Ion:	69	Resp:	63193
Ion	Ratio	Lower	Upper
69	100		
41	56.7	42.8	64.2
39	42.0	30.5	45.7





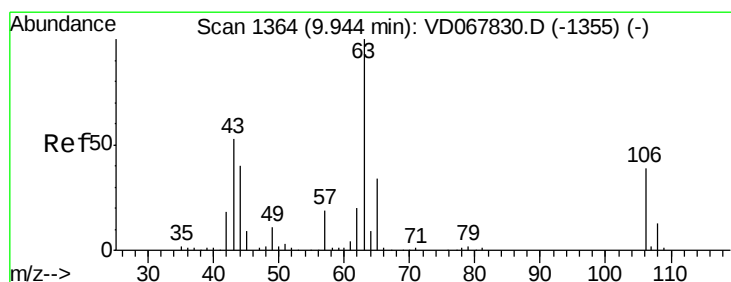
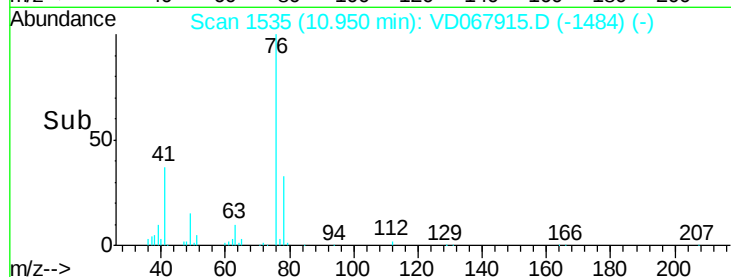
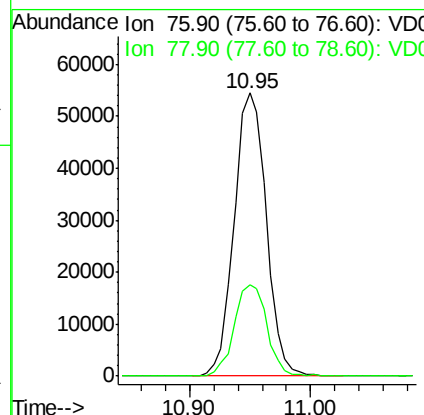
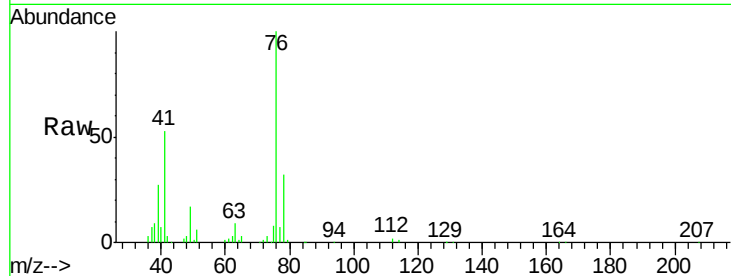
#57
 1,3-Dichloropropane
 Concen: 46.539 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 101112
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.6 39.8

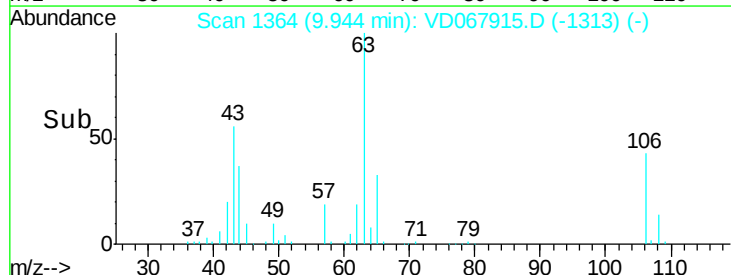
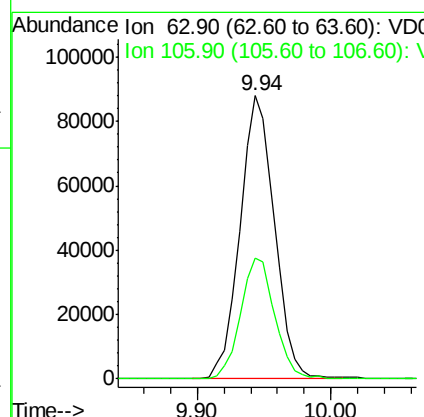
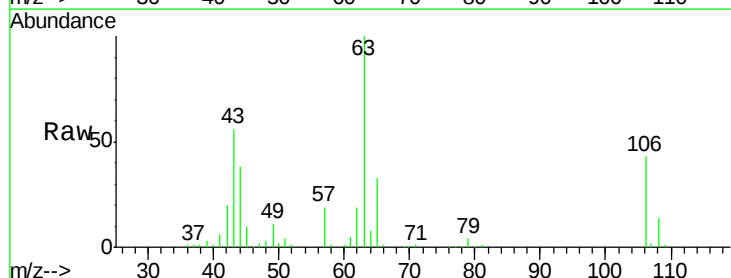
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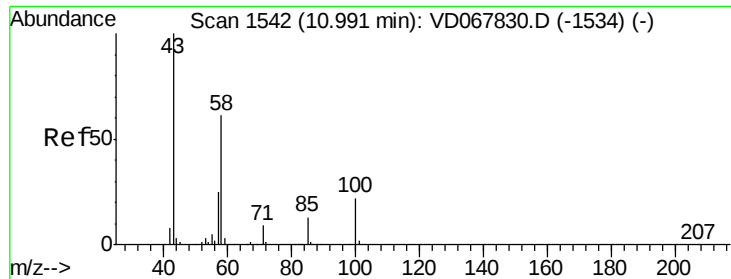
MMDadoda
 12/9/2020 9:28:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 246.524 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Tgt Ion: 63 Resp: 156542
 Ion Ratio Lower Upper
 63 100
 106 42.5 32.0 48.0





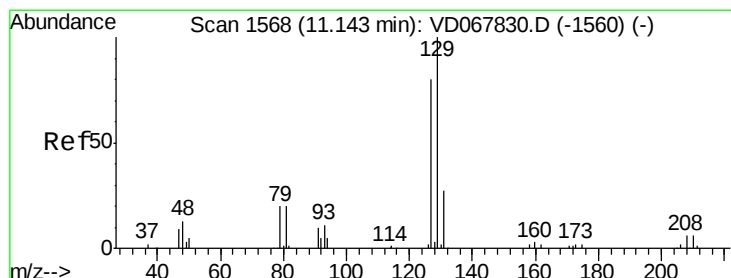
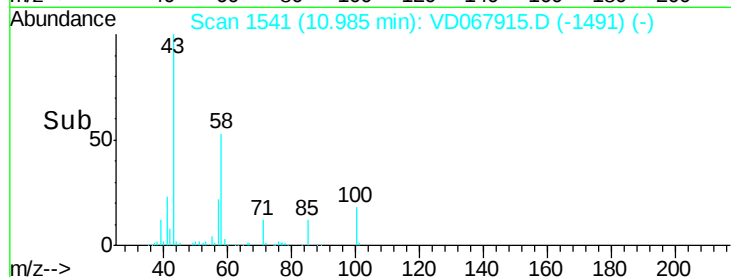
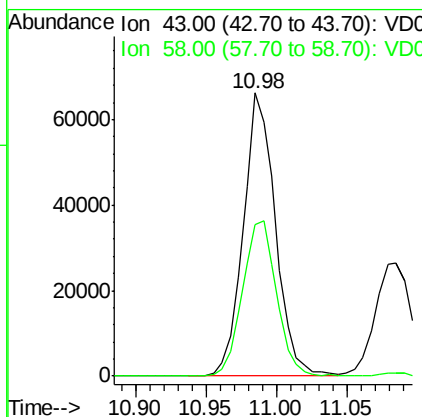
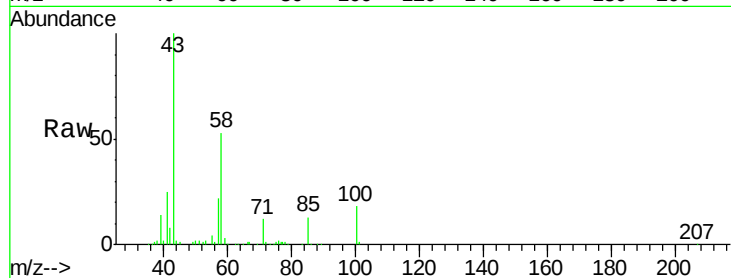
#59
2-Hexanone
Concen: 232.717 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	105684
Ion Ratio	43	100	
Lower	58	58.1	29.9
Upper			89.7

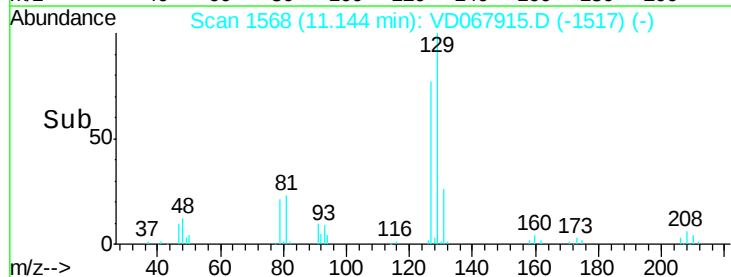
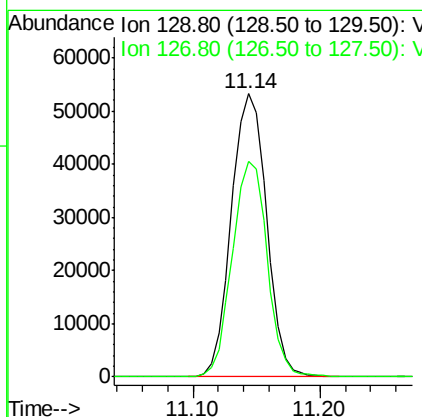
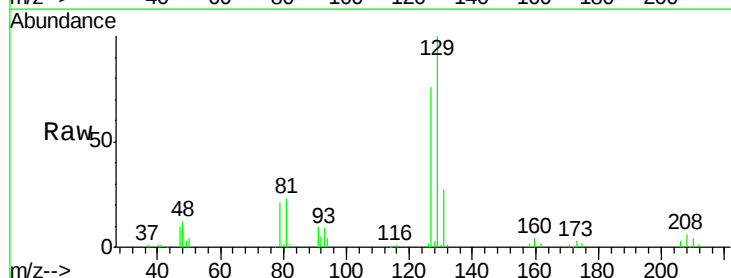
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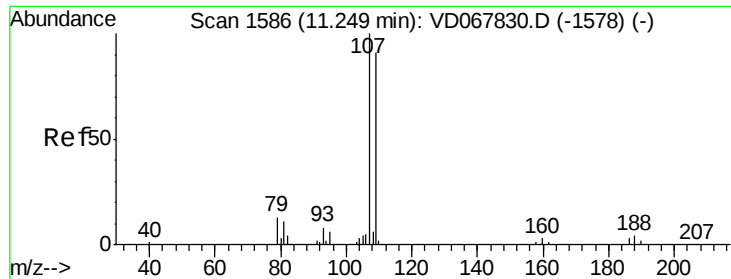
MMDadoda
12/9/2020 9:28:52 AM



#60
Dibromochloromethane
Concen: 49.683 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion	129	Resp	102720
Ion Ratio	129	100	
Lower	127	75.4	39.2
Upper			117.6





#61

1,2-Dibromoethane

Concen: 47.630 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 64242

Ion Ratio Lower Upper

107 100

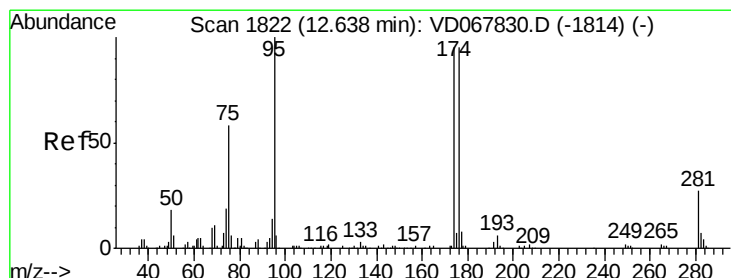
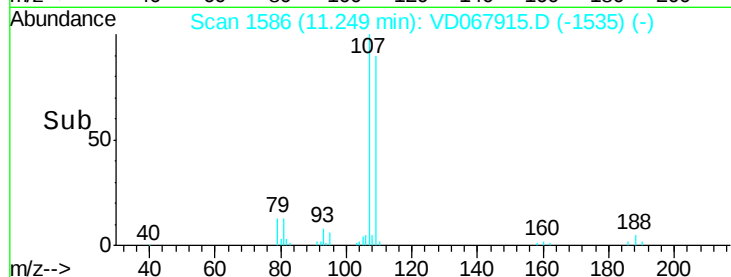
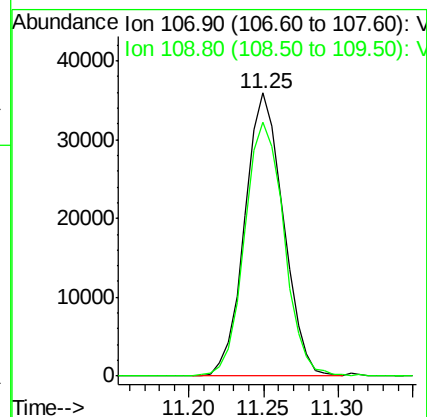
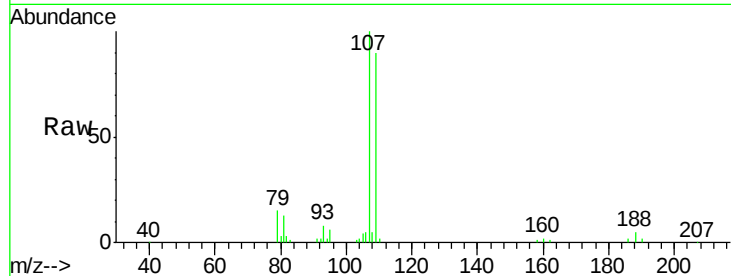
109 91.6 75.9 113.9

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MMDadoda

12/9/2020 9:28:52 AM



#62

4-Bromofluorobenzene

Concen: 49.140 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

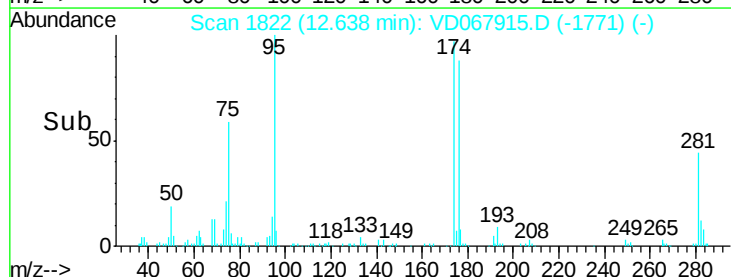
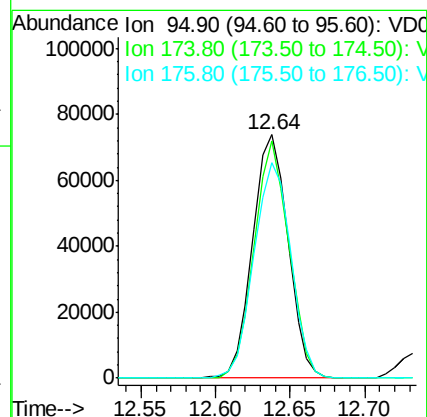
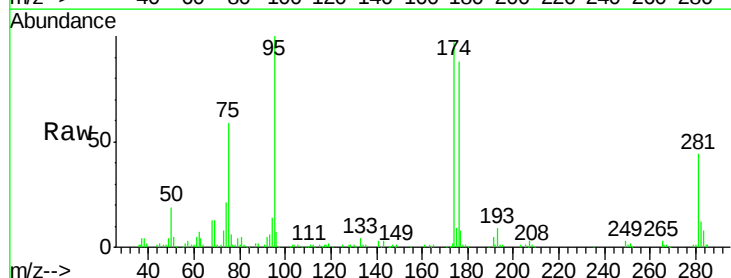
Tgt Ion: 95 Resp: 121333

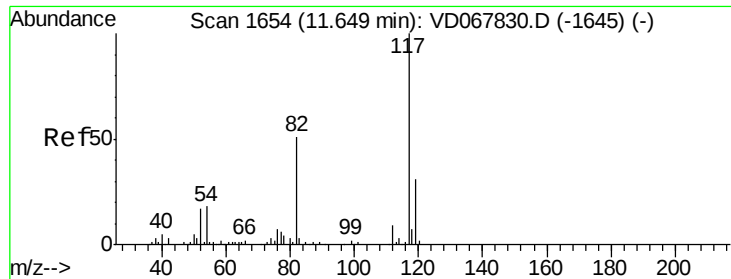
Ion Ratio Lower Upper

95 100

174 95.2 0.0 186.0

176 92.0 0.0 184.2





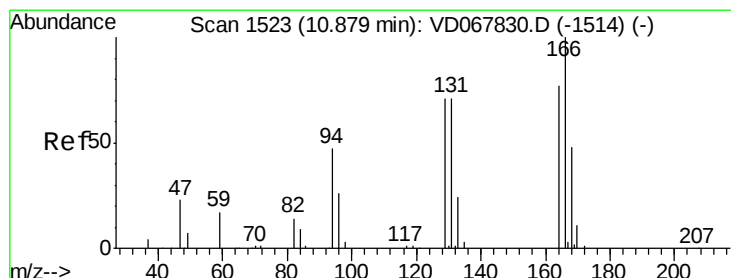
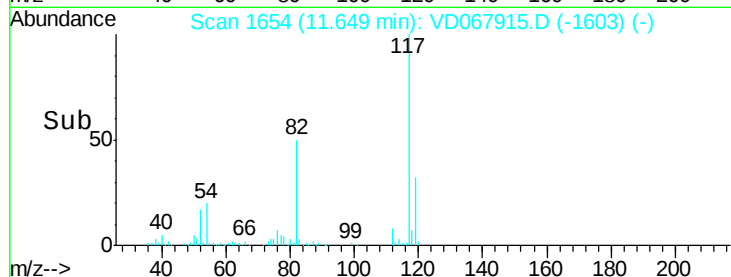
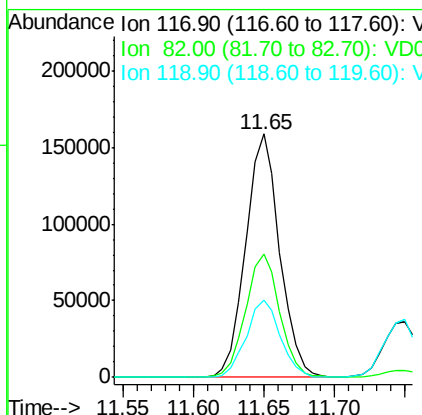
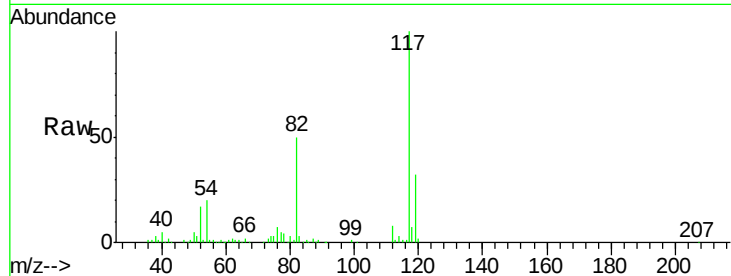
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.5	40.6	60.8
119	31.6	25.1	37.7

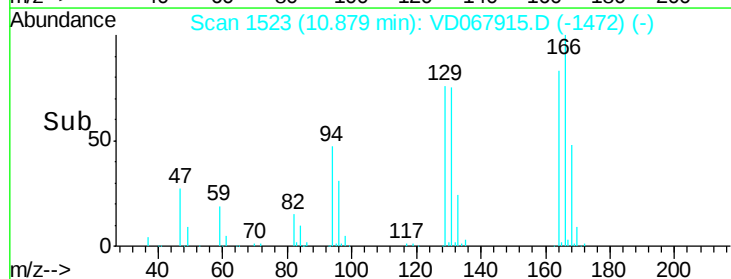
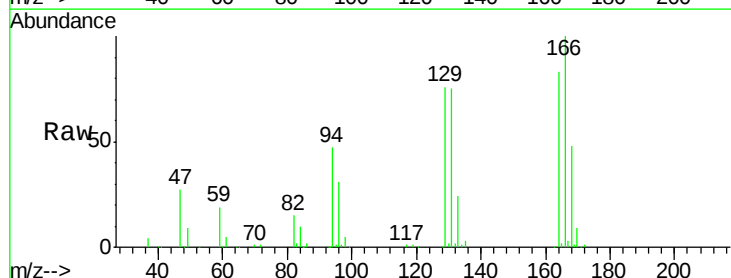
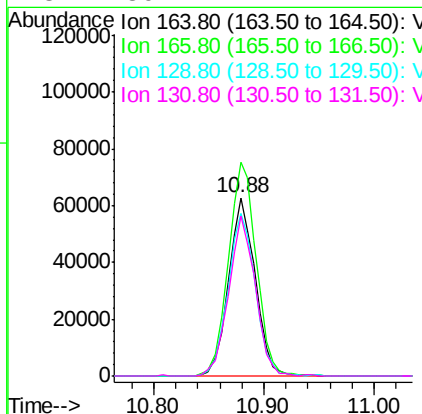
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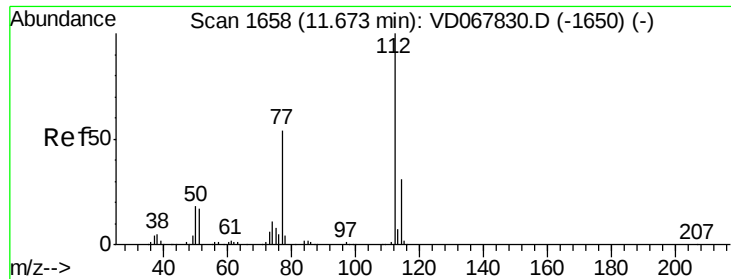
MMDadoda
12/9/2020 9:28:52 AM



#64
Tetrachloroethene
Concen: 48.281 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.8	103.8	155.6
129	91.4	73.3	109.9
131	89.7	74.1	111.1





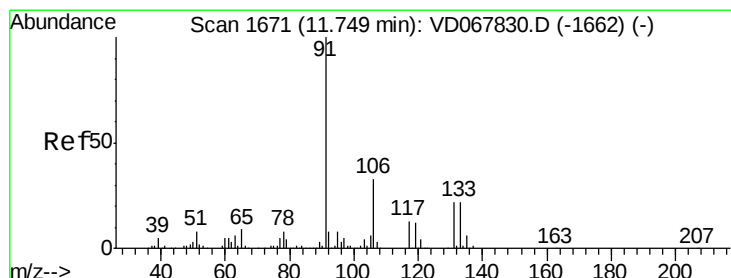
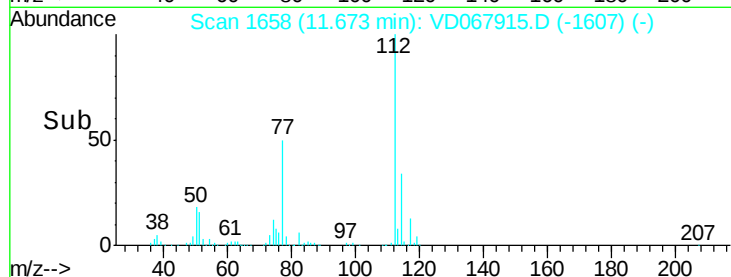
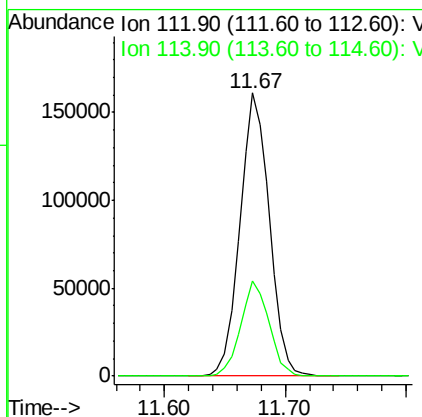
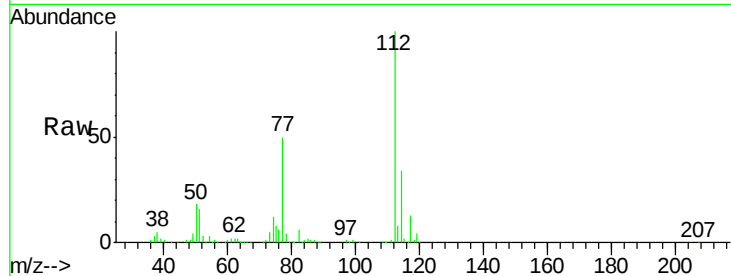
#65
Chlorobenzene
Concen: 49.258 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.6	25.0	37.4

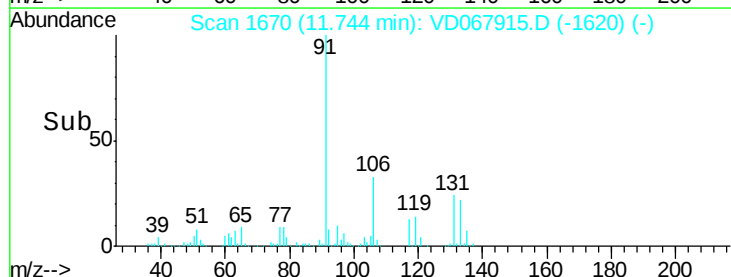
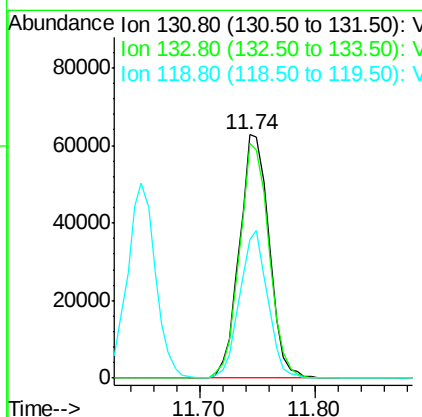
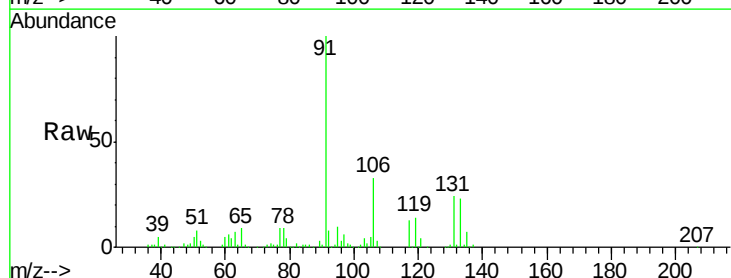
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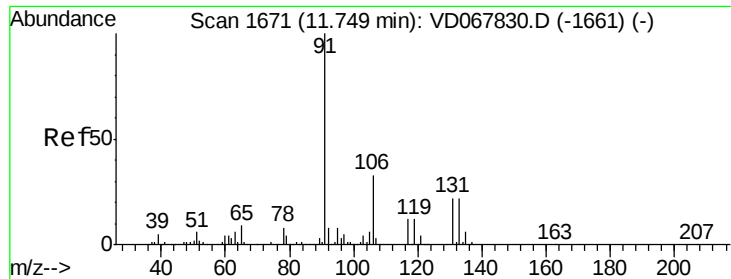
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.532 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	49.9	149.7
119	56.9	29.6	88.9





#67

Ethyl Benzene

Concen: 51.169 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 483477

Ion Ratio Lower Upper

91 100

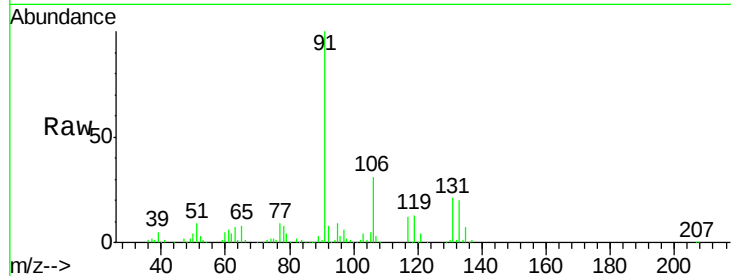
106 31.3 26.2 39.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD067830.D (-1661) (-)

Ion 106.00 (105.70 to 106.70): VD067830.D (-1661) (-)

400000

300000

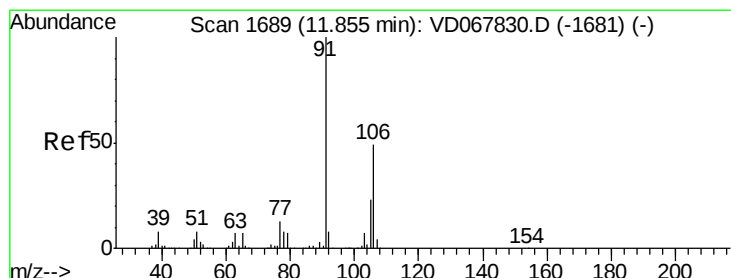
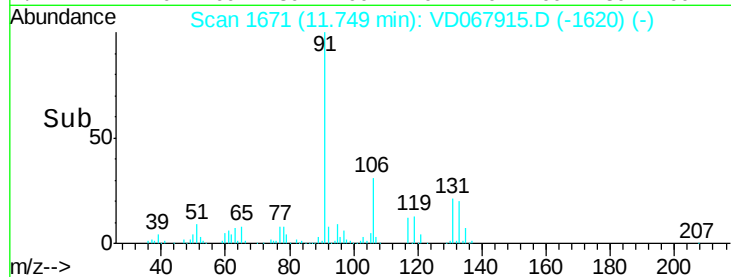
200000

100000

0

11.65 11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 100.074 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067915.D

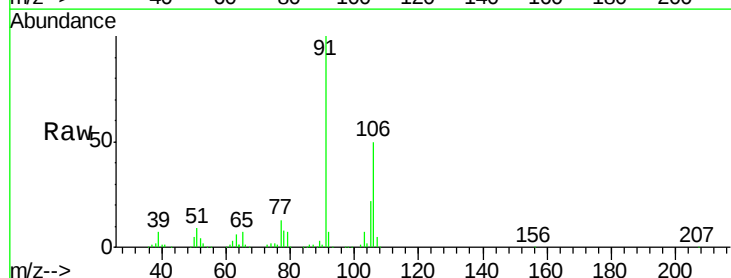
Acq: 08 Dec 2020 16:35

Tgt Ion: 106 Resp: 372847

Ion Ratio Lower Upper

106 100

91 202.3 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): VD067830.D (-1681) (-)

Ion 91.00 (90.70 to 91.70): VD067830.D (-1681) (-)

400000

300000

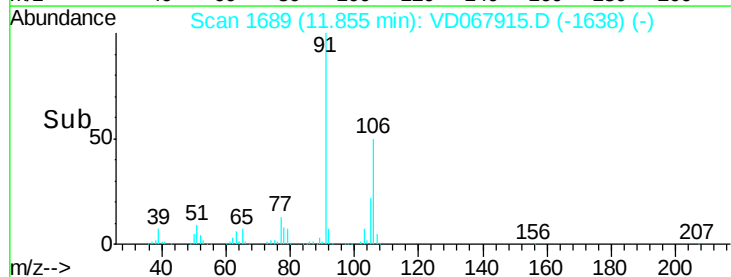
200000

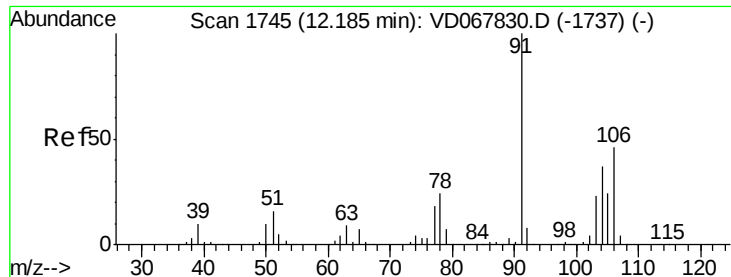
100000

0

11.80 11.86 11.90

Time-->





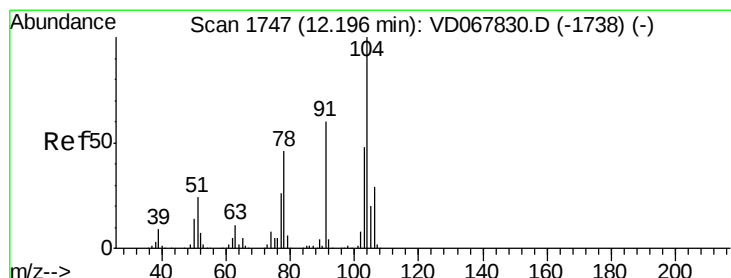
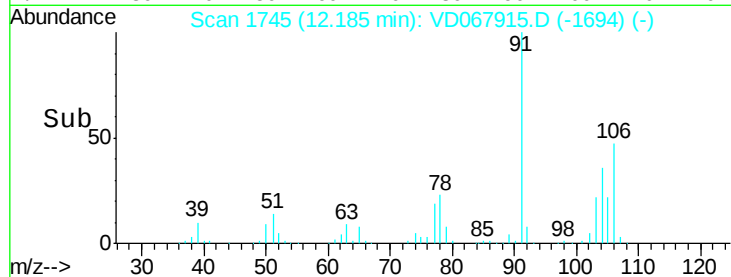
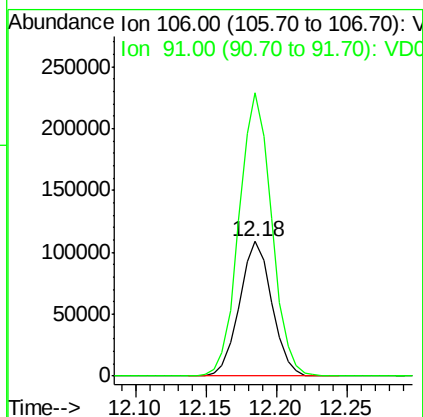
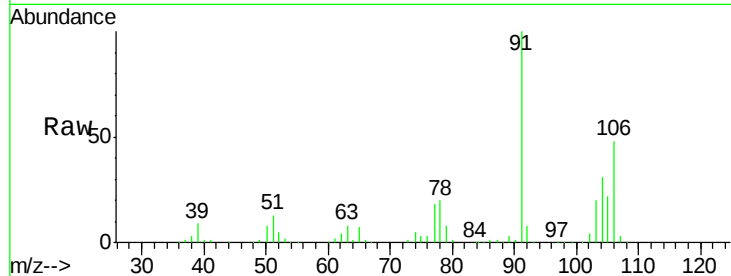
#69
o-Xylene
Concen: 52.942 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		175110		
91	211.4	107.5	322.5		

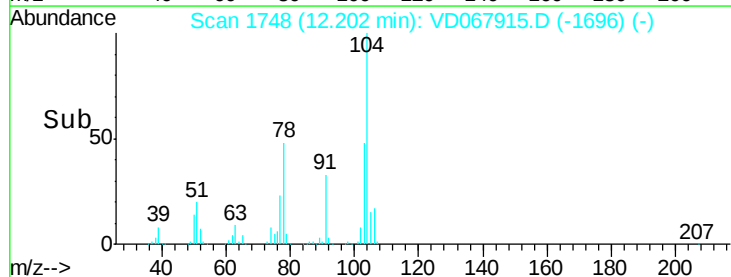
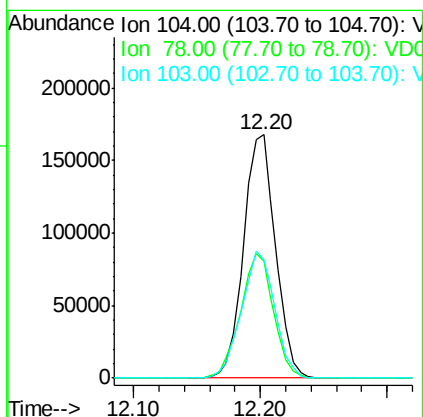
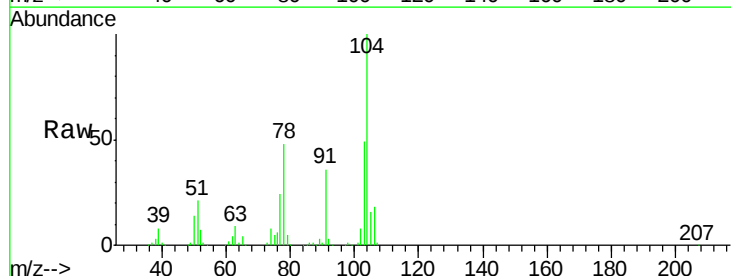
Manual Integrations
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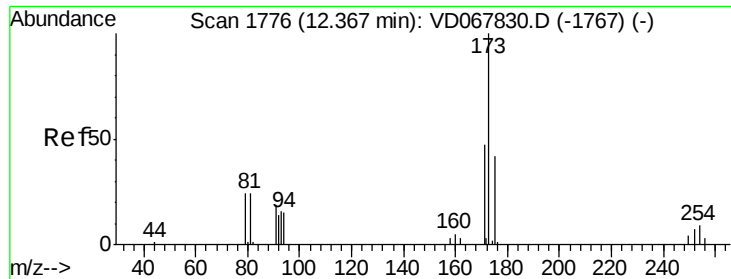
MMDadoda
12/9/2020 9:28:52 AM



#70
Styrene
Concen: 51.024 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		293460		
78	53.0	41.6	62.4		
103	54.4	43.2	64.8		





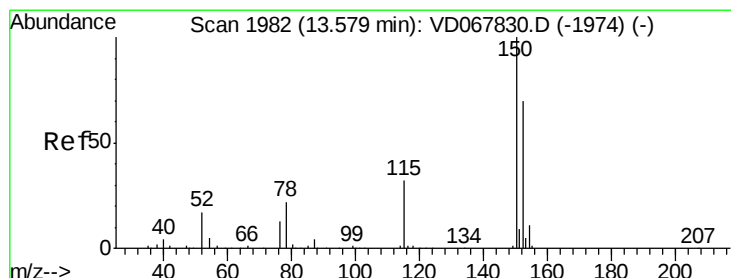
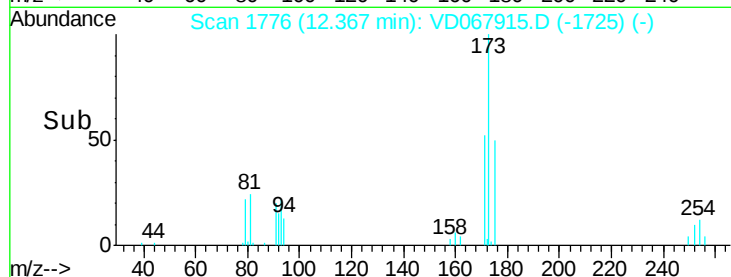
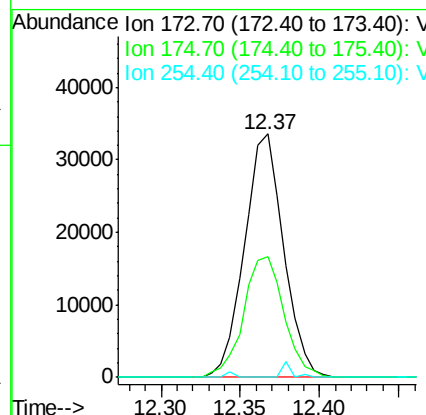
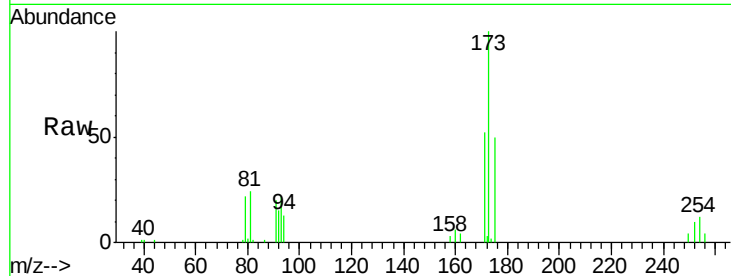
#71
Bromoform
Concen: 48.109 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.4	23.4	70.3
254	1.6	0.1	0.1#

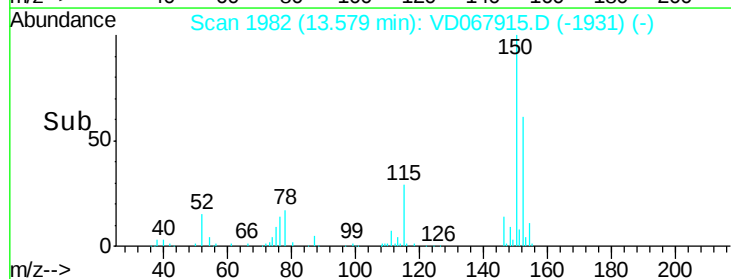
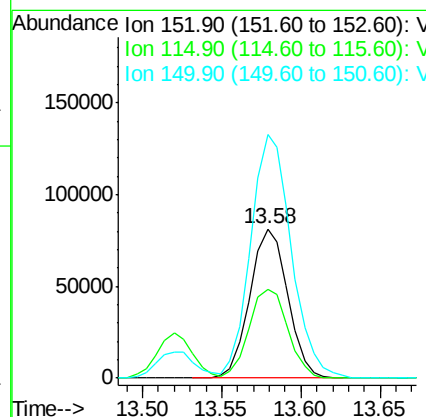
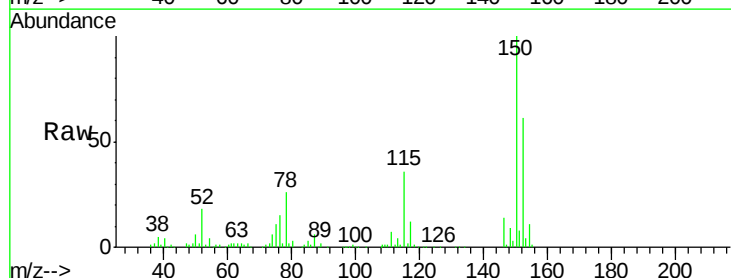
Manual Integrations
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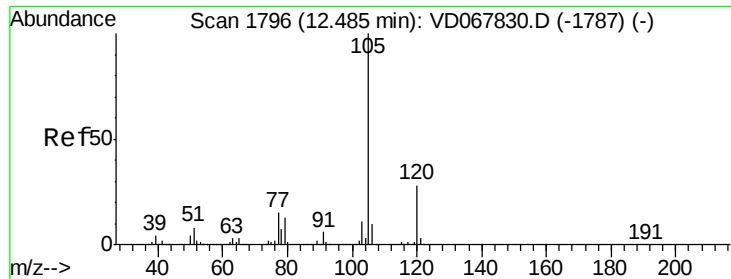
MMDadoda
12/9/2020 9:28:52 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	29.1	87.4
150	175.3	0.0	339.0





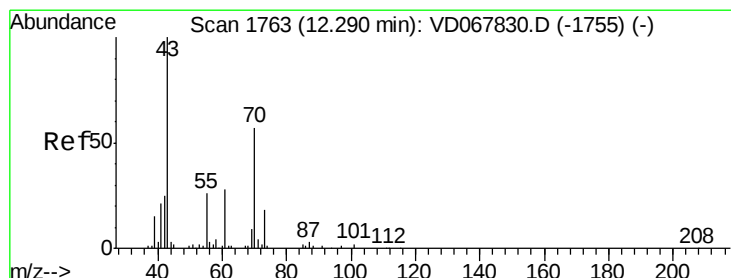
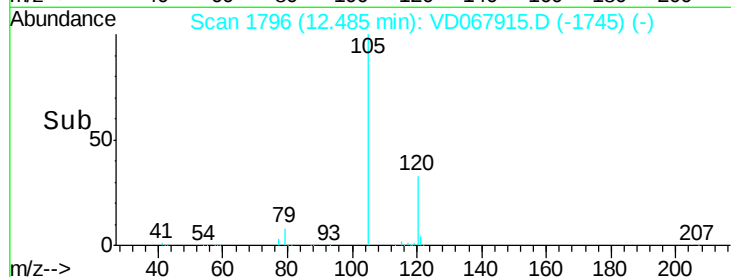
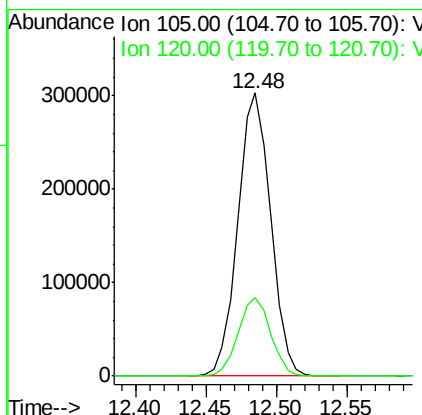
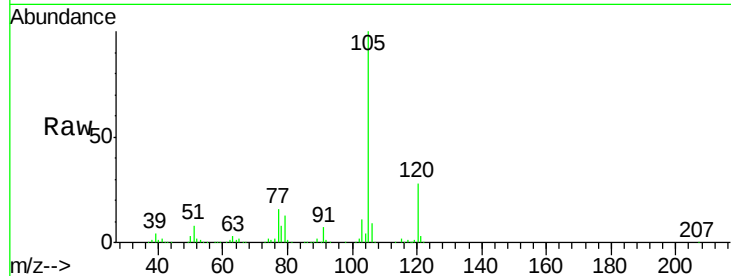
#73
Isopropylbenzene
Concen: 52.993 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.9	41.6

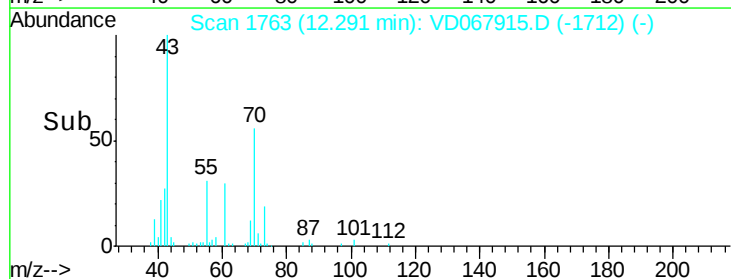
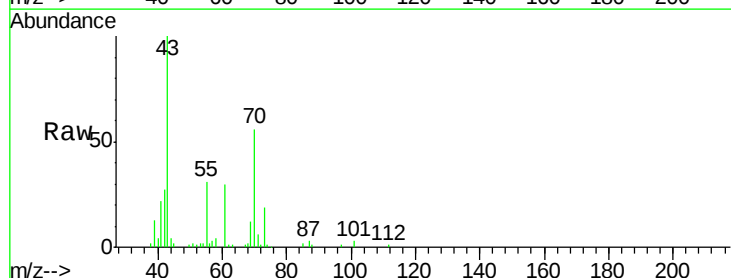
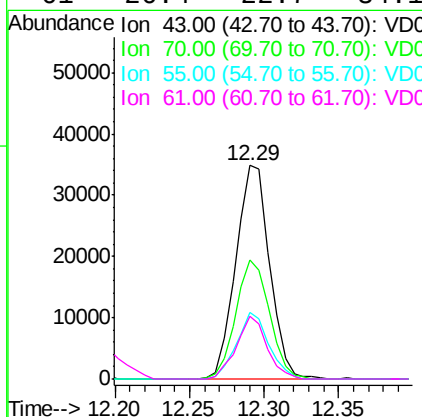
Manual Integrations
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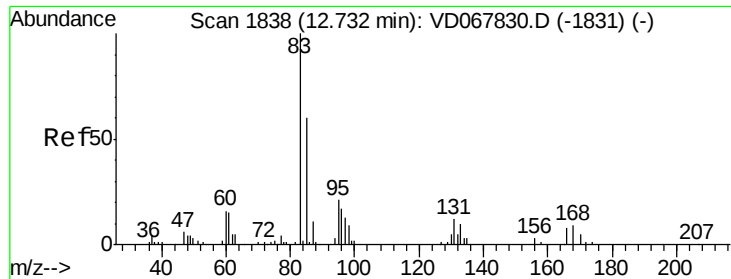
MMDadoda
12/9/2020 9:28:52 AM



#74
N-ethyl acetate
Concen: 47.935 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion	Ratio	Lower	Upper
43	100		
70	55.3	44.6	66.8
55	29.2	22.2	33.2
61	26.4	22.7	34.1





#75

1,1,2,2-Tetrachloroethane

Concen: 43.647 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

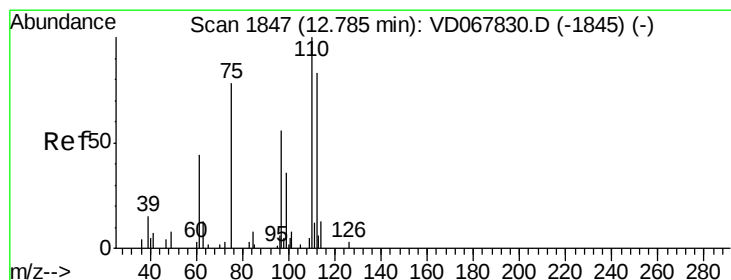
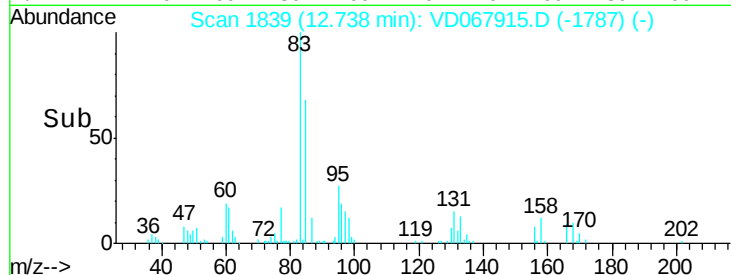
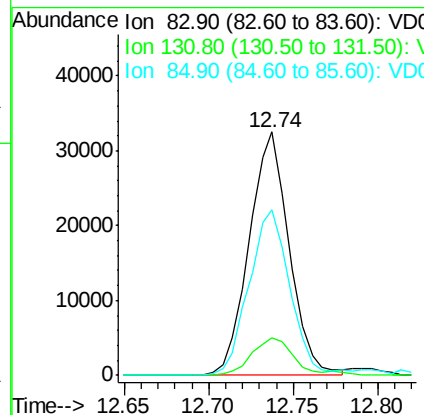
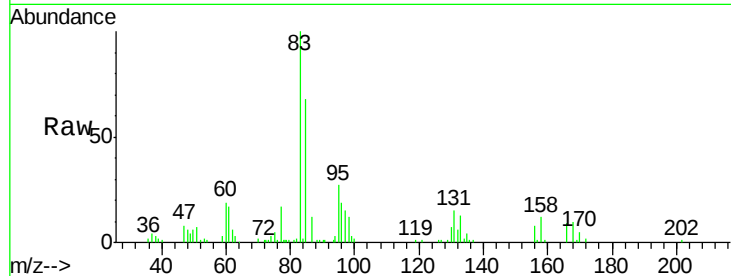
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	53415
Ion Ratio	Lower	Upper	
83	100		
131	16.5	8.0	24.0
85	69.1	31.7	95.1

Manual Integrations
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12/9/2020 9:28:52 AM



#76

1,2,3-Trichloropropane

Concen: 46.258 ug/l m

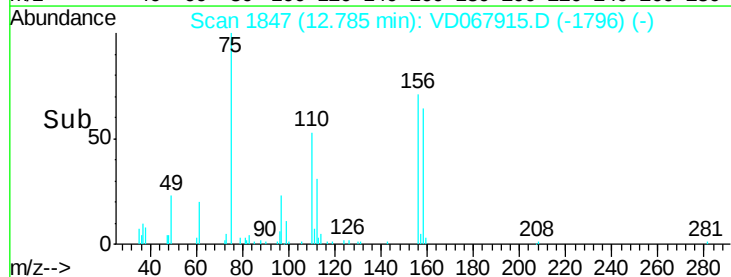
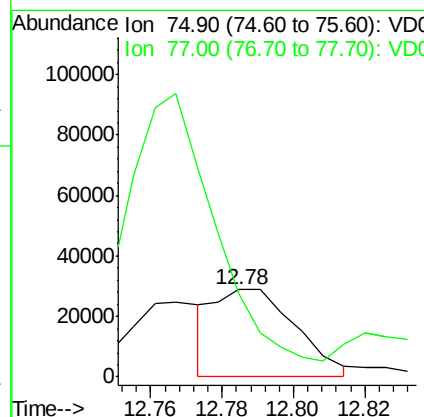
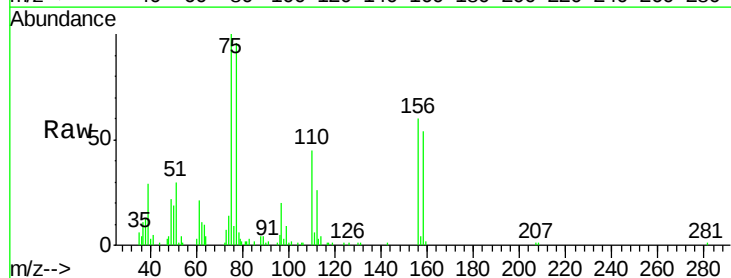
RT: 12.78 min Scan# 1847

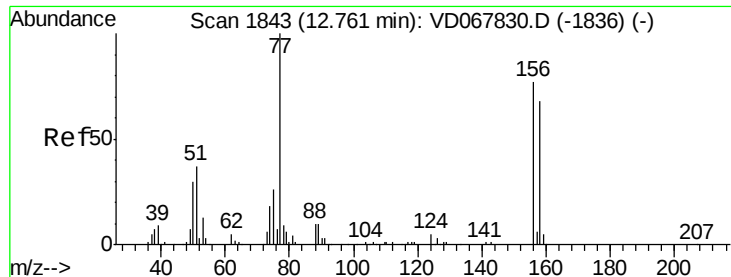
Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Tgt Ion:	75	Resp:	45406
Ion Ratio	Lower	Upper	
75	100		
77	380.5	175.9	527.7





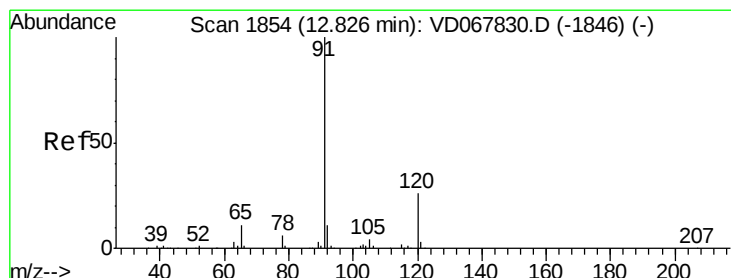
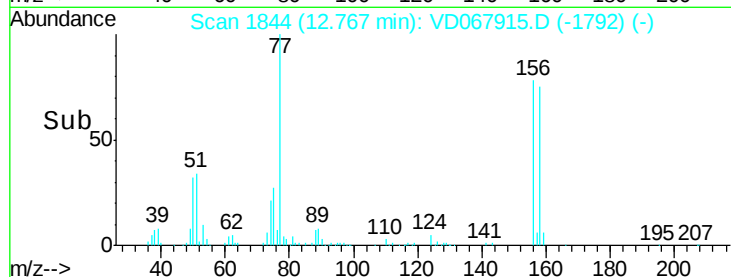
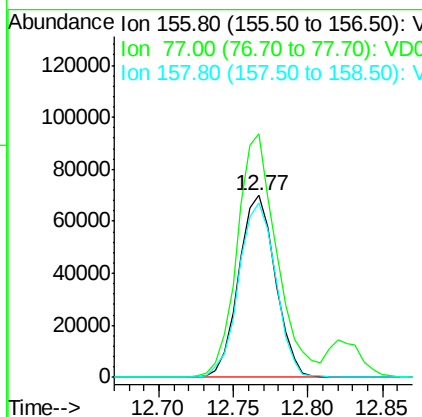
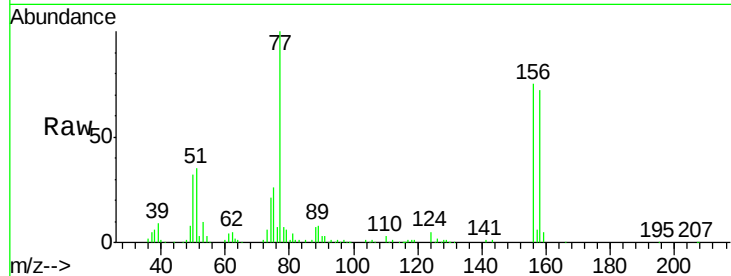
#77
Bromobenzene
Concen: 51.808 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		119389		
77	144.7	71.5	214.5		
158	97.0	47.1	141.4		

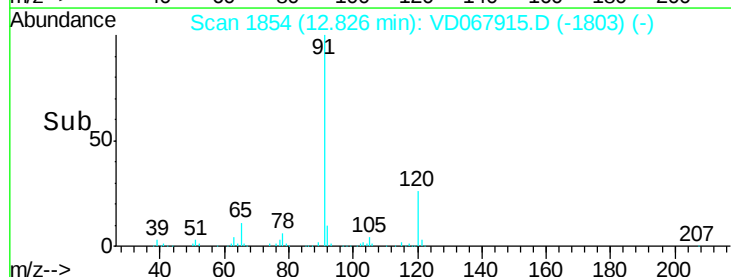
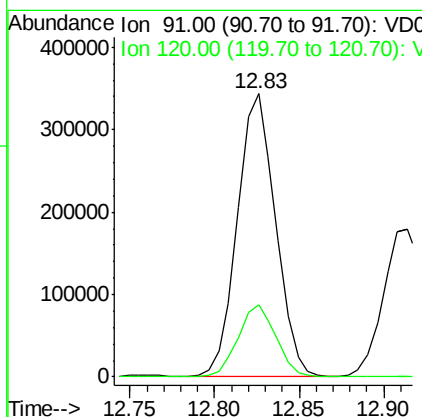
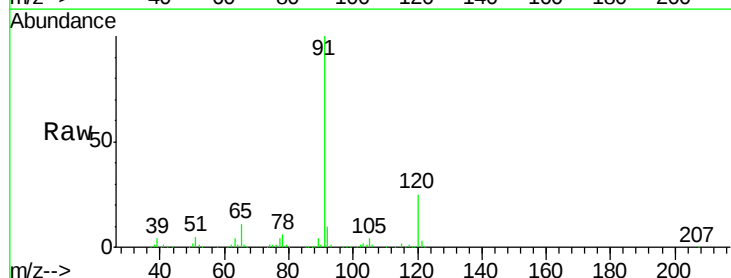
Manual Integrations
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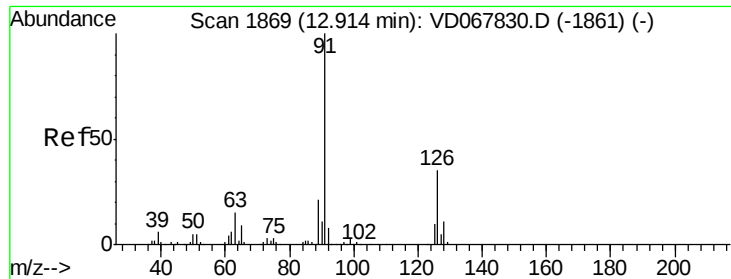
MMDadoda
12/9/2020 9:28:52 AM



#78
n-propylbenzene
Concen: 52.655 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		540965		
120	25.2	12.7	38.0		





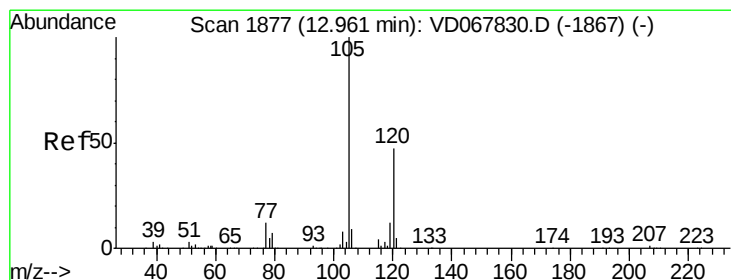
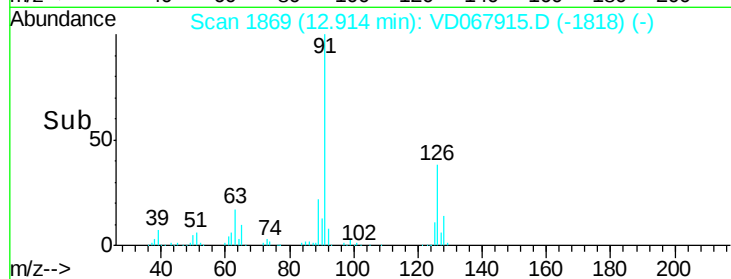
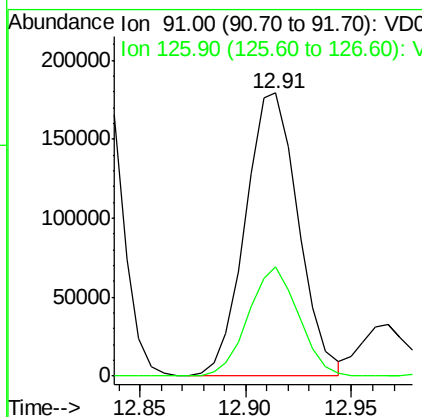
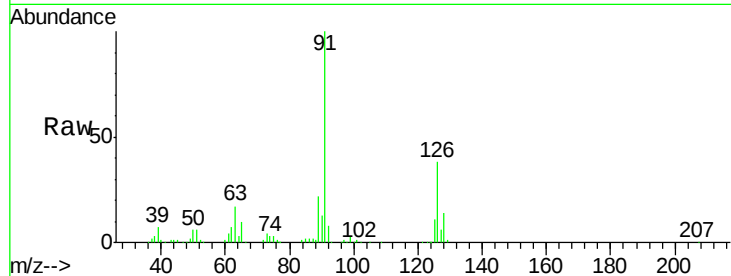
#79
2-Chlorotoluene
Concen: 51.643 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.8	17.9	53.7

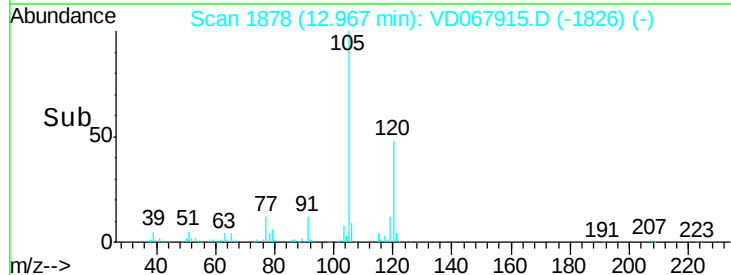
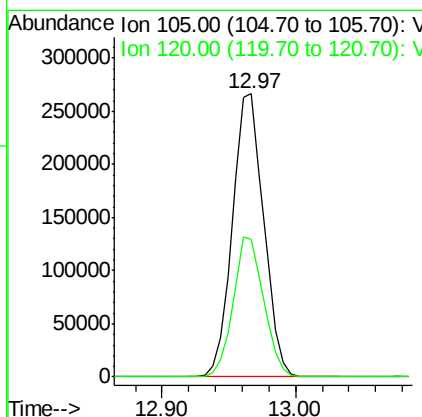
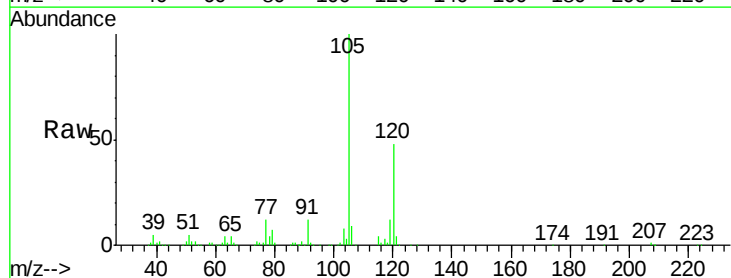
Manual Integrations
APPROVED

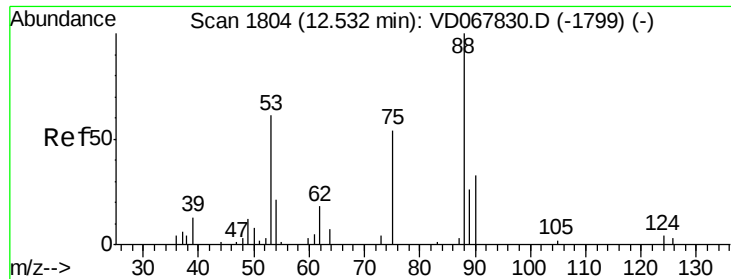
MMDadoda
12/9/2020 9:28:52 AM



#80
1,3,5-Trimethylbenzene
Concen: 54.009 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.3	72.9





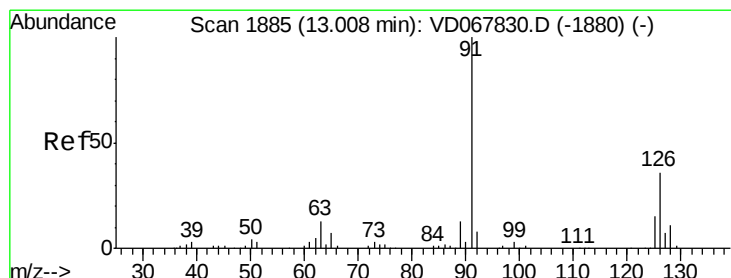
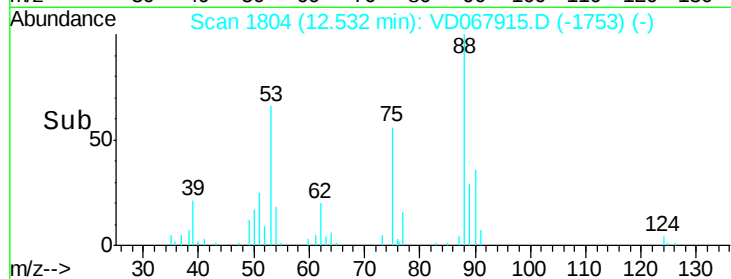
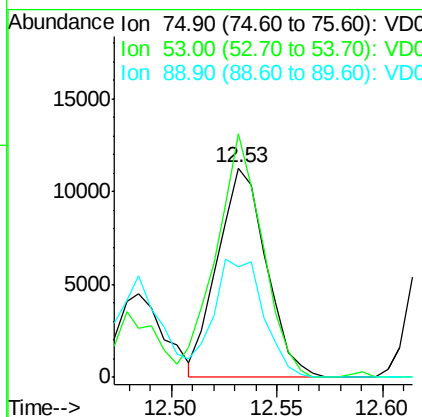
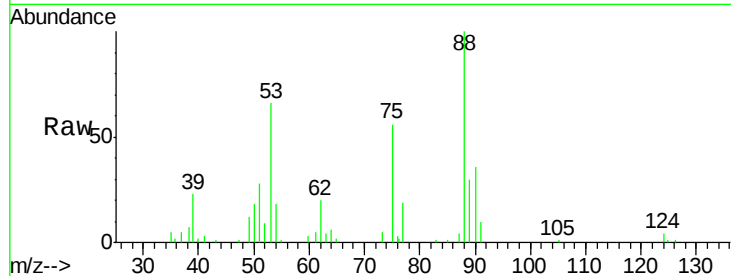
#81
trans-1,4-Dichloro-2-butene
Concen: 43.797 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.7	84.6	127.0
89	58.0	41.0	61.6

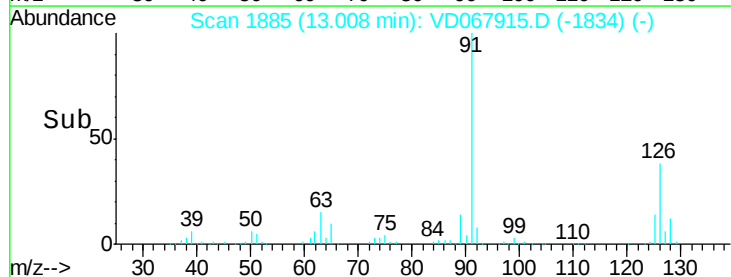
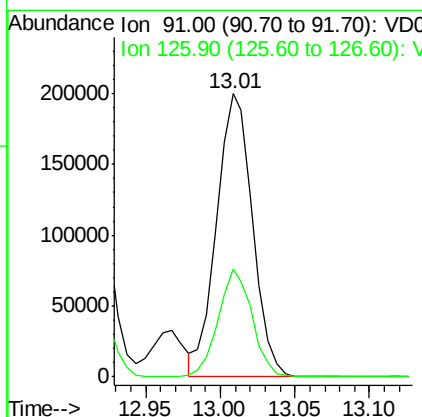
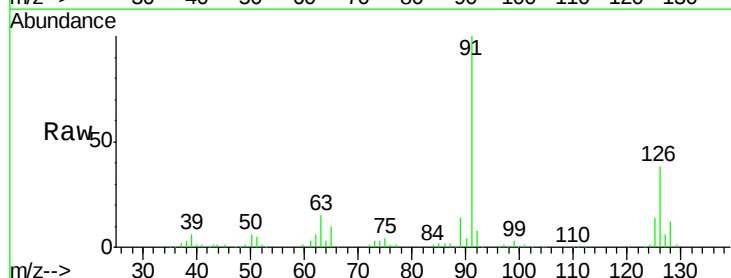
Manual Integrations
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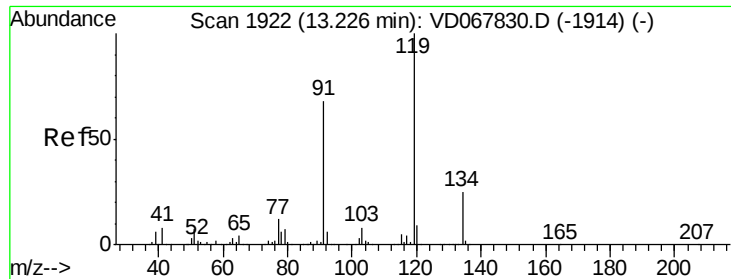
MMDadoda
12/9/2020 9:28:52 AM



#82
4-Chlorotoluene
Concen: 52.020 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	18.1	54.4





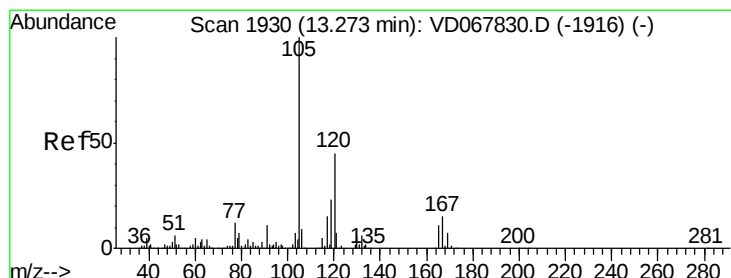
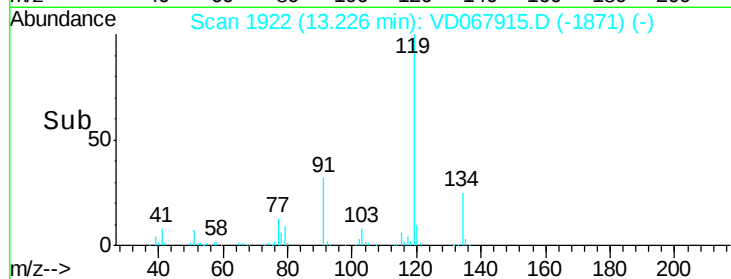
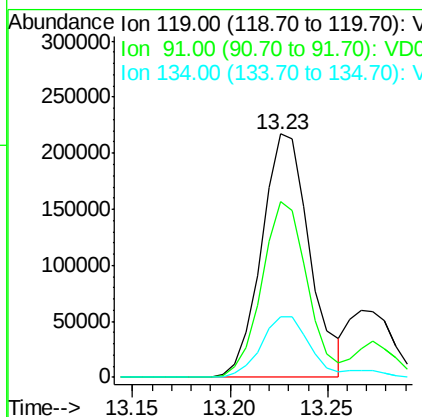
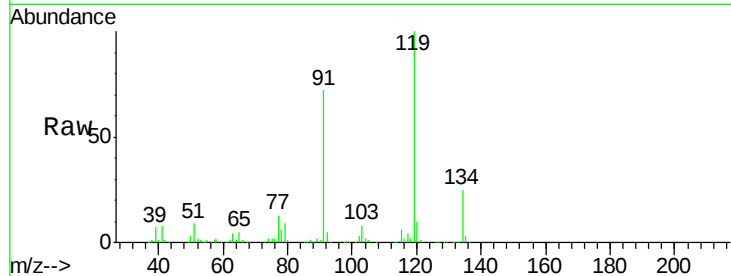
#83
tert-Butylbenzene
Concen: 54.410 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	33.1	99.3
134	27.2	13.6	40.8

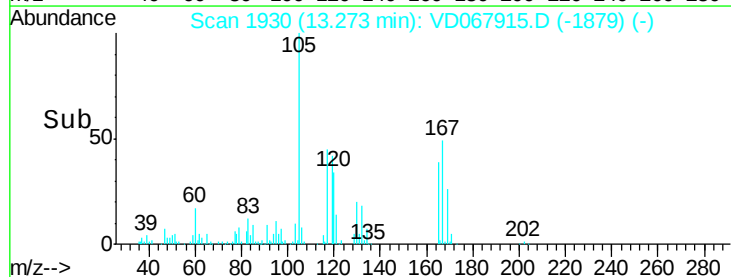
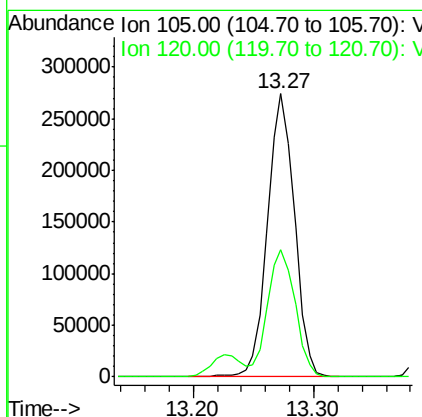
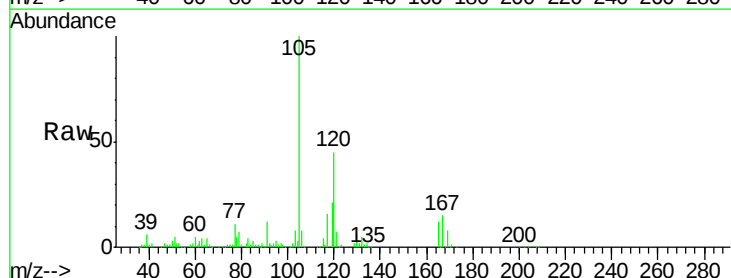
Manual Integrations
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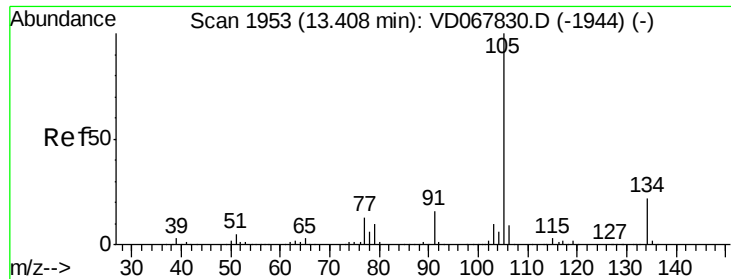
MMDadoda
12/9/2020 9:28:52 AM



#84
1,2,4-Trimethylbenzene
Concen: 53.139 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.1	66.5





#85

sec-Butylbenzene

Concen: 51.972 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 473734

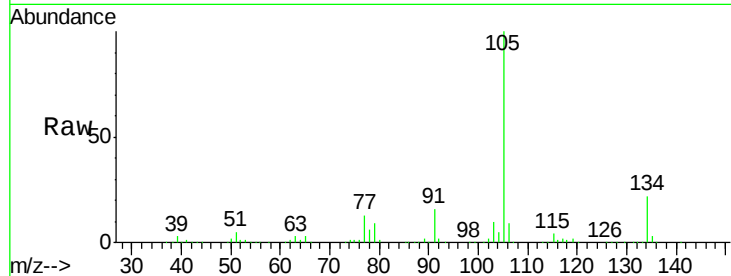
Ion Ratio Lower Upper

105 100

134 22.1 10.9 32.9

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

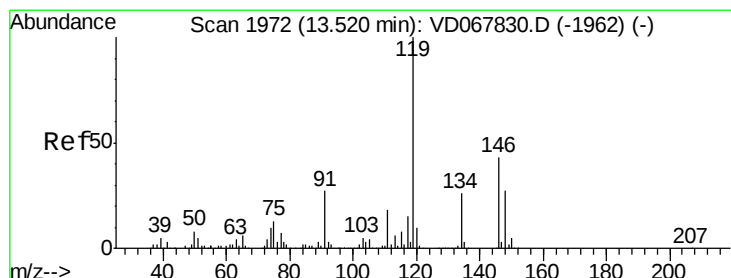
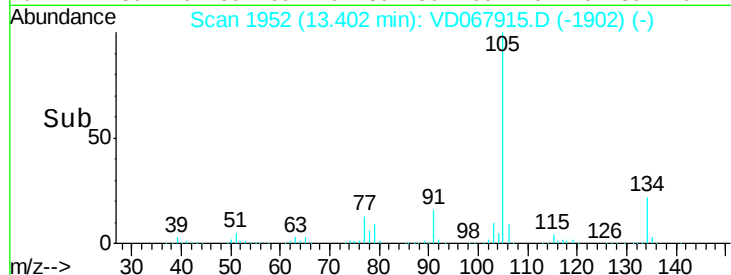
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 52.611 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

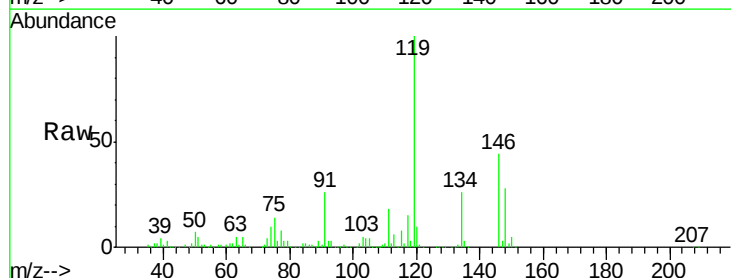
Tgt Ion:119 Resp: 470007

Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.3

91 25.8 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

400000

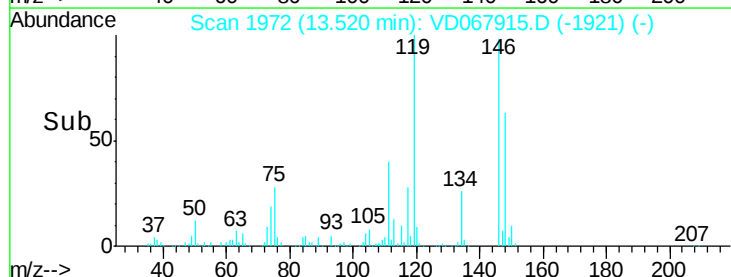
300000

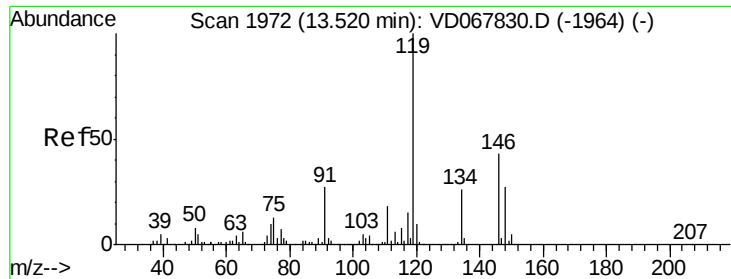
200000

100000

0

Time--> 13.45 13.50 13.55





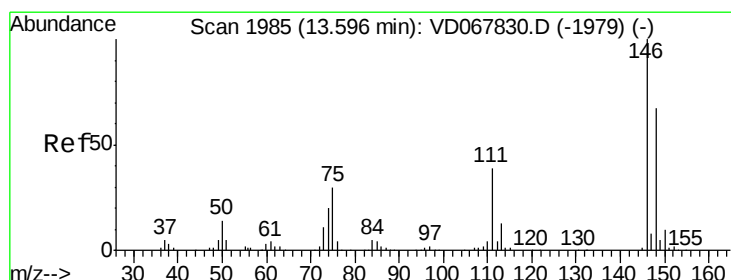
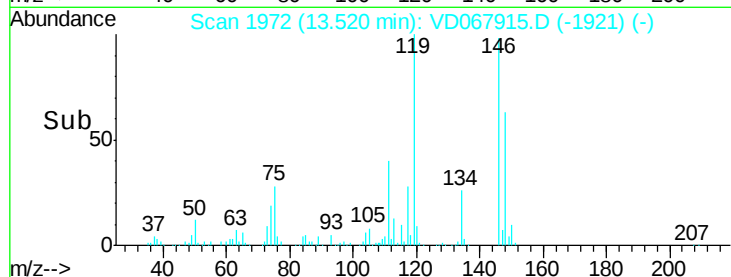
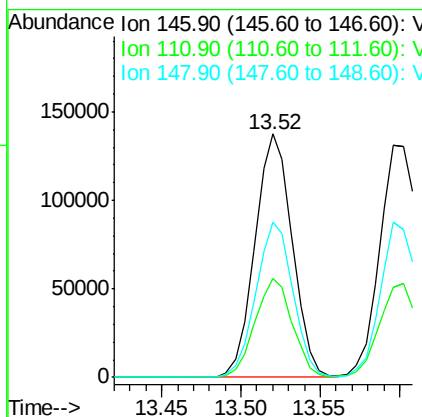
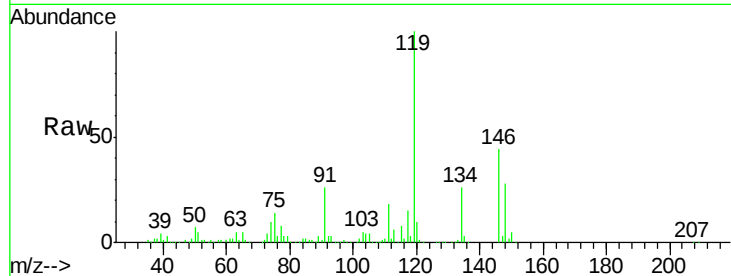
#87
 1,3-Dichlorobenzene
 Concen: 50.609 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.8	62.2
148	63.3	32.9	98.6

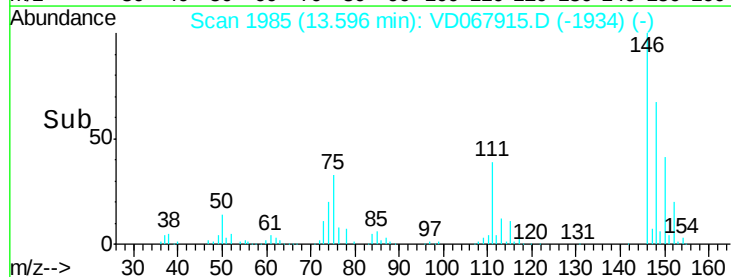
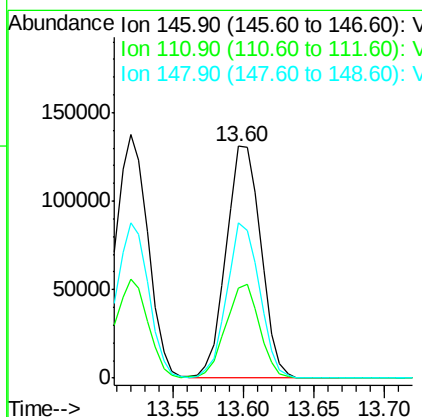
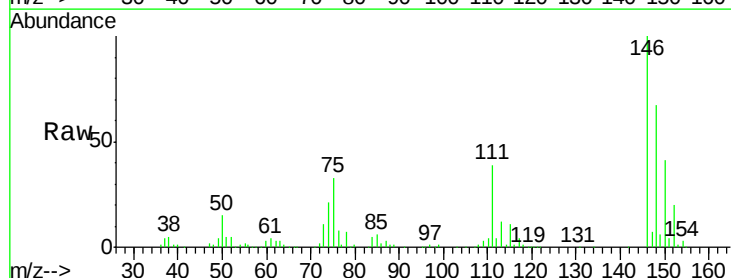
Manual Integrations
 APPROVED

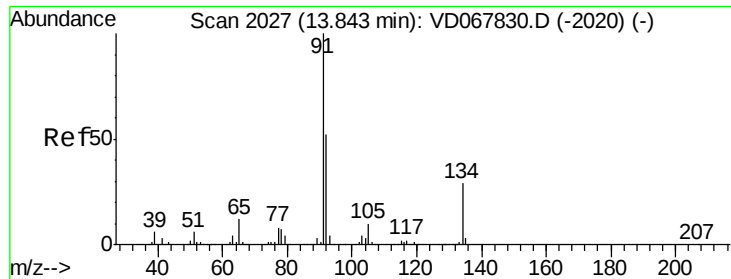
MMDadoda
 12/9/2020 9:28:52 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.716 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.6
148	63.2	32.4	97.2





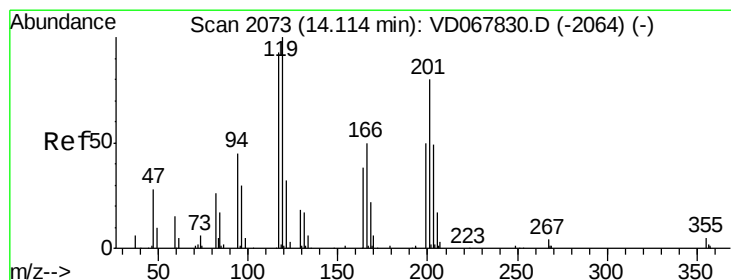
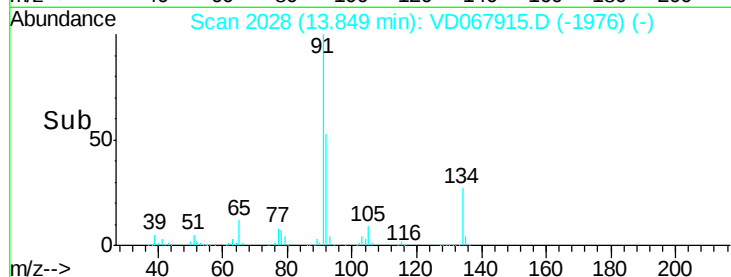
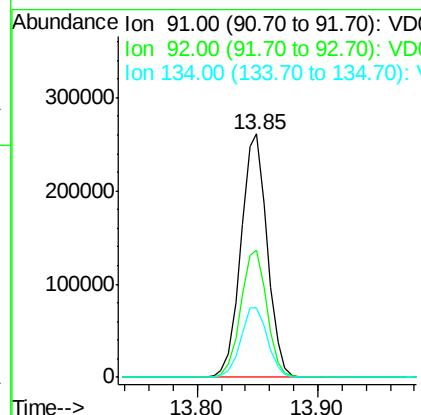
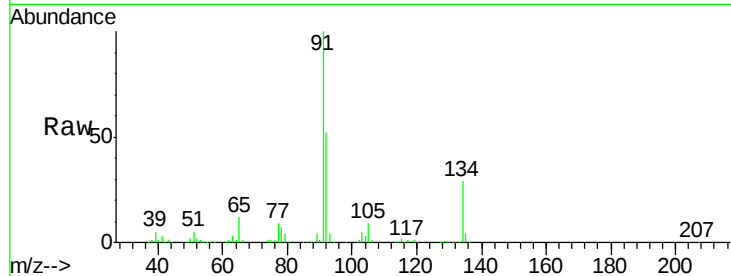
#89
n-Butylbenzene
Concen: 53.225 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		395030		
92	52.2	26.3	78.8		
134	29.4	14.8	44.3		

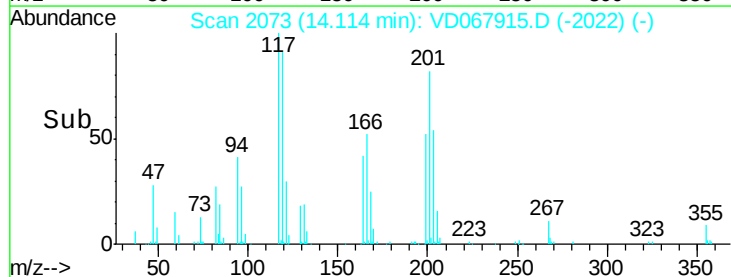
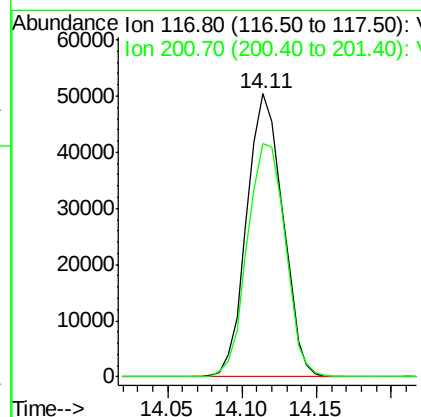
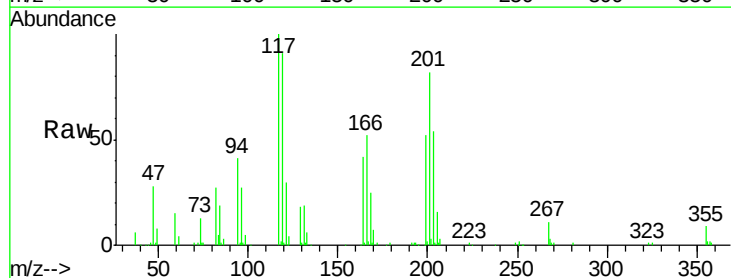
Manual Integrations
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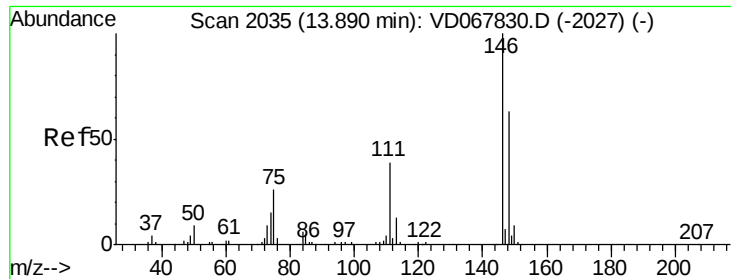
MMDadoda
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#90
Hexachloroethane
Concen: 51.178 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		84409		
201	86.9	43.9	131.6		





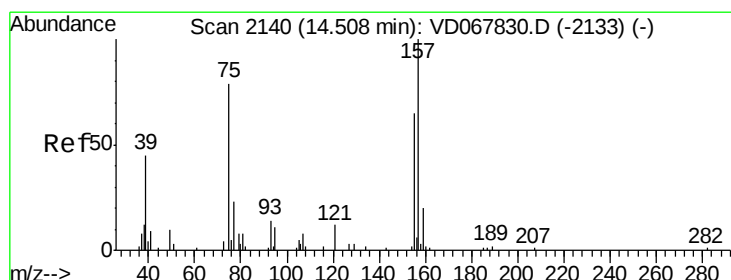
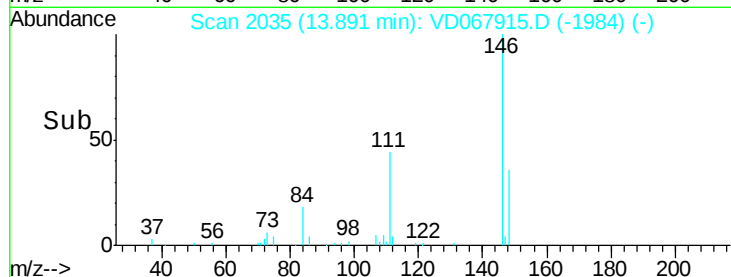
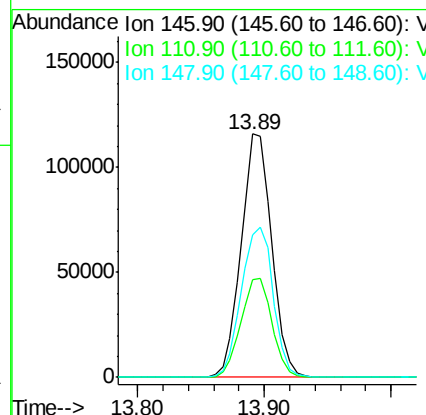
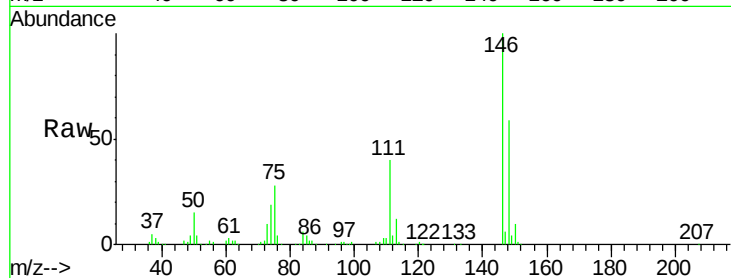
#91
 1,2-Dichlorobenzene
 Concen: 50.172 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	193435		
111	41.4	20.4	61.2	
148	64.3	32.1	96.3	

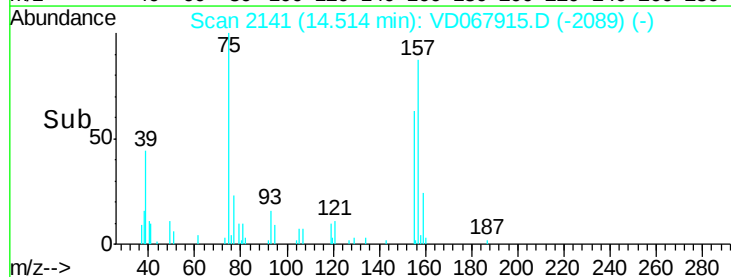
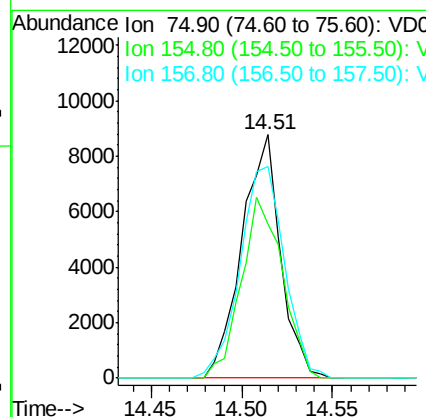
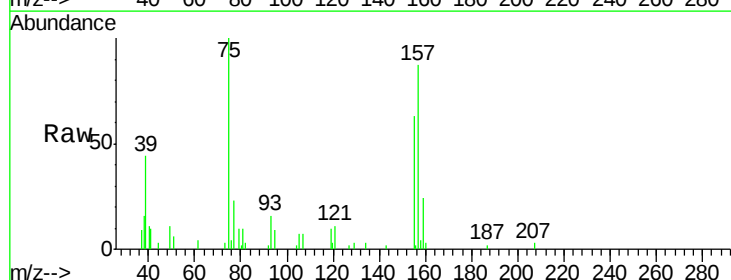
Manual Integrations
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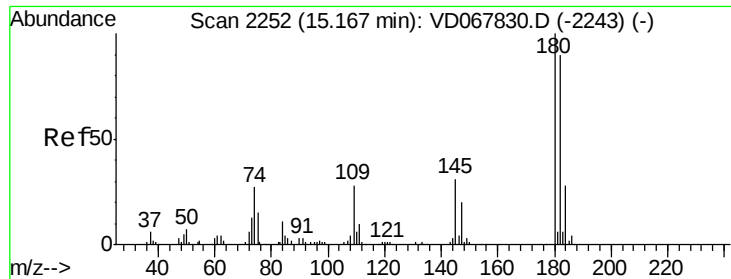
MMDadoda
 12/9/2020 9:28:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.986 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	13022		
155	78.9	44.1	132.4	
157	100.4	62.4	187.2	





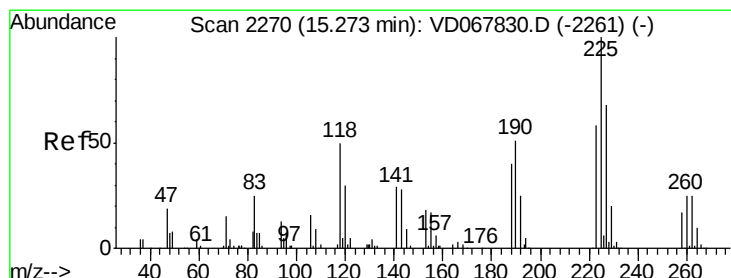
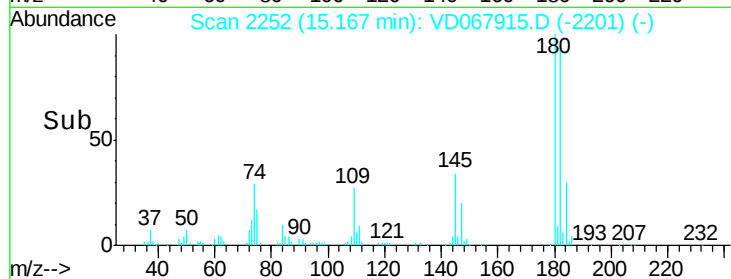
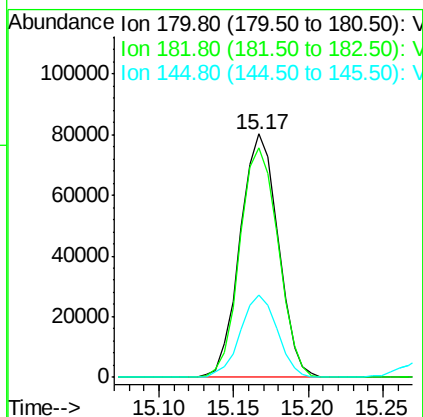
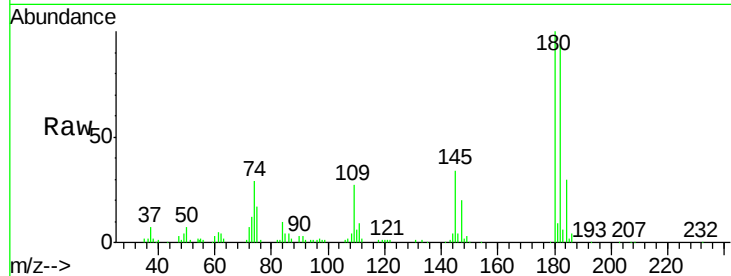
#93
 1,2,4-Trichlorobenzene
 Concen: 52.621 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.6
145	32.8	16.4	49.4

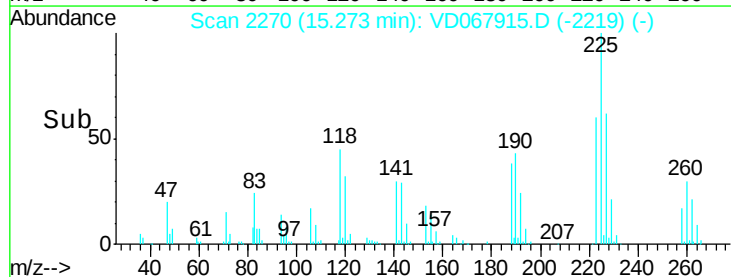
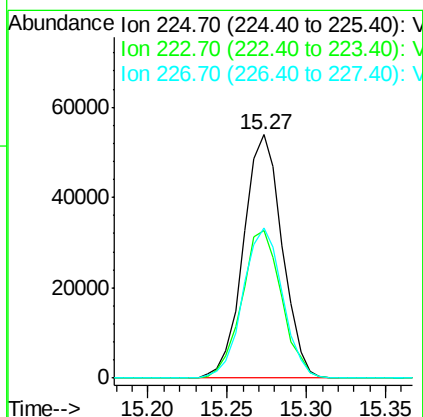
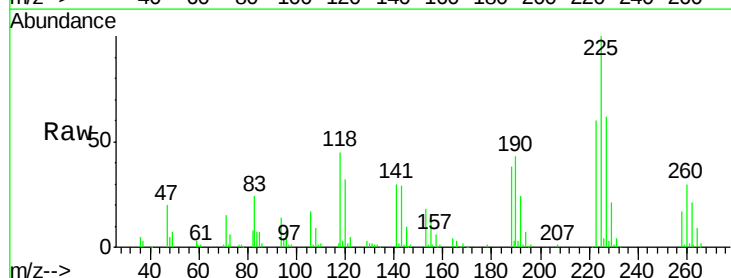
Manual Integrations
 APPROVED

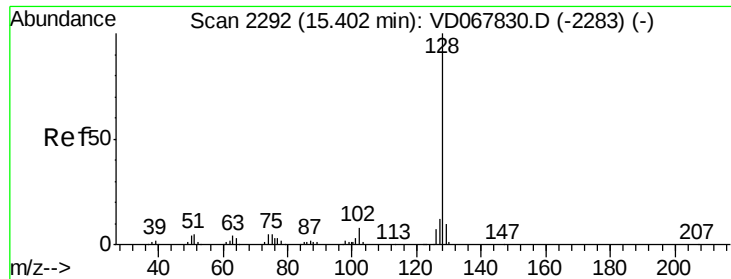
MMDadoda
 12/9/2020 9:28:52 AM



#94
 Hexachlorobutadiene
 Concen: 52.070 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.1	93.3
227	63.0	33.1	99.3





#95

Naphthalene

Concen: 49.817 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

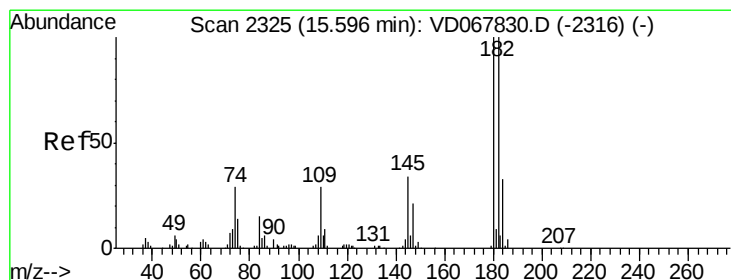
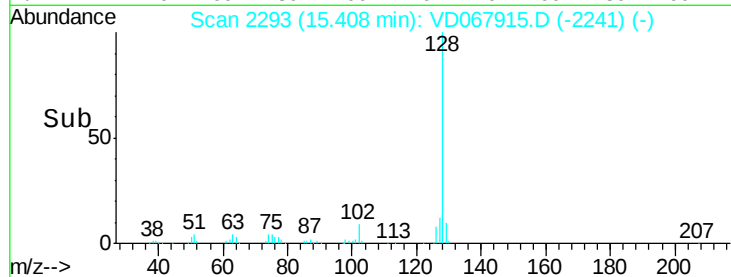
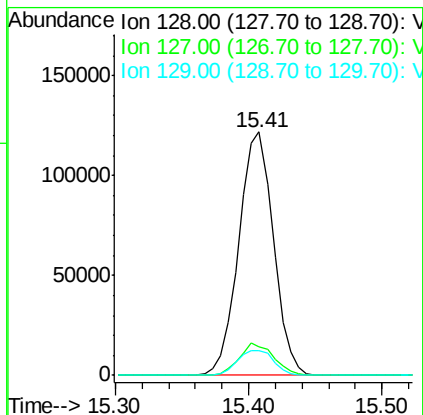
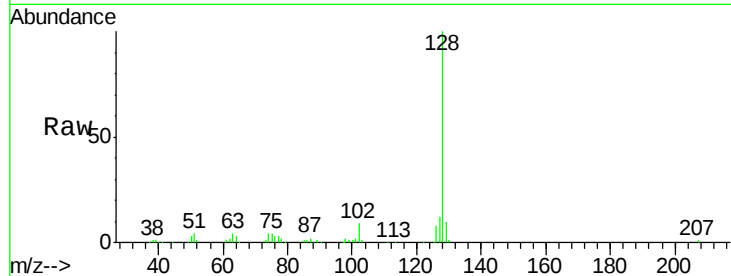
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	218614
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	10.8	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
12/9/2020 9:28:52 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.725 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Tgt Ion:	180	Resp:	120465
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.3	142.0
145	34.7	16.8	50.4

