

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120420\
 Data File : VD067887.D
 Acq On : 04 Dec 2020 15:58
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 11:30:57 AM

Quant Time: Dec 05 00:34:15 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	221763	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	315596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	285730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	150727	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	112229	47.14	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.28%
35) Dibromofluoromethane	7.92	113	100765	47.72	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.44%
50) Toluene-d8	10.34	98	368796	48.51	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.02%
62) 4-Bromofluorobenzene	12.64	95	133426	50.77	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.54%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	92256	47.803	ug/l	99
3) Chloromethane	2.21	50	44133	39.624	ug/l	94
4) Vinyl Chloride	2.35	62	63712	45.419	ug/l	94
5) Bromomethane	2.77	94	66133	52.811	ug/l	99
6) Chloroethane	2.93	64	42091	46.086	ug/l	99
7) Trichlorofluoromethane	3.28	101	198904	46.338	ug/l	96
8) Diethyl Ether	3.71	74	36783	43.966	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	87922	44.919	ug/l	98
10) Methyl Iodide	4.30	142	85253	41.092	ug/l	99
11) Tert butyl alcohol	5.23	59	28324	225.849	ug/l	96
12) 1,1-Dichloroethene	4.07	96	84374	45.915	ug/l	91
13) Acrolein	3.93	56	18068	197.491	ug/l	98
14) Allyl chloride	4.72	41	77638	45.669	ug/l	95
15) Acrylonitrile	5.43	53	62627	215.885	ug/l	99
16) Acetone	4.16	43	64970	220.848	ug/l	100
17) Carbon Disulfide	4.41	76	224432	43.743	ug/l	98
18) Methyl Acetate	4.72	43	22673	40.935	ug/l	91
19) Methyl tert-butyl Ether	5.48	73	187543	47.661	ug/l	98
20) Methylene Chloride	4.97	84	97573	51.310	ug/l	96
21) trans-1,2-Dichloroethene	5.48	96	94740	45.307	ug/l	96
22) Diisopropyl ether	6.37	45	152797	44.689	ug/l	92
23) Vinyl Acetate	6.31	43	453271	238.297	ug/l	98
24) 1,1-Dichloroethane	6.27	63	136913	45.680	ug/l	99
25) 2-Butanone	7.22	43	66584	215.187	ug/l	97
26) 2,2-Dichloropropane	7.21	77	174336	48.778	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	104269	45.588	ug/l	97
28) Bromochloromethane	7.55	49	44199	46.447	ug/l	98
29) Tetrahydrofuran	7.57	42	37151	210.868	ug/l	91
30) Chloroform	7.71	83	182503	45.564	ug/l	99
31) Cyclohexane	7.98	56	103163	41.130	ug/l	92
32) 1,1,1-Trichloroethane	7.91	97	199494	47.182	ug/l	99
36) 1,1-Dichloropropene	8.12	75	125439	45.913	ug/l	99
37) Ethyl Acetate	7.30	43	32064	43.545	ug/l #	93
38) Carbon Tetrachloride	8.10	117	196747	47.595	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	143602	44.354	ug/l	97
40) Benzene	8.36	78	345546	46.222	ug/l	99
41) Methacrylonitrile	7.53	41	19849	57.429	ug/l	93
42) 1,2-Dichloroethane	8.43	62	125719	47.185	ug/l	100
43) Isopropyl Acetate	8.46	43	62797	43.343	ug/l	99
44) Trichloroethene	9.11	130	116760	45.427	ug/l	98
45) 1,2-Dichloropropane	9.40	63	66283	43.199	ug/l	98
46) Dibromomethane	9.48	93	48467	45.432	ug/l	96
47) Bromodichloromethane	9.67	83	140169	46.089	ug/l	94
48) Methyl methacrylate	9.46	41	30951	42.071	ug/l	96
49) 1,4-Dioxane	9.46	88	9906	812.642	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	151678	221.196	ug/l	100
52) Toluene	10.41	92	245481	46.967	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	122325	46.600	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	133326	46.694	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	65581	44.920	ug/l	96
56) Ethyl methacrylate	10.67	69	67150	45.207	ug/l	97
57) 1,3-Dichloropropane	10.95	76	101178	43.751	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	169392	250.613	ug/l	97
59) 2-Hexanone	10.99	43	108181	223.795	ug/l	97
60) Dibromochloromethane	11.14	129	102210	46.444	ug/l	98
61) 1,2-Dibromoethane	11.25	107	62069	43.233	ug/l	100
64) Tetrachloroethene	10.88	164	103507	44.411	ug/l	98
65) Chlorobenzene	11.67	112	278613	47.257	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	114715	47.705	ug/l	96
67) Ethyl Benzene	11.75	91	479784	47.771	ug/l	97
68) m/p-Xylenes	11.86	106	368446	93.038	ug/l	99
69) o-Xylene	12.18	106	172917	49.184	ug/l	98
70) Styrene	12.20	104	298326	48.799	ug/l	99
71) Bromoform	12.36	173	59292	46.581	ug/l #	95
73) Isopropylbenzene	12.48	105	484280	46.721	ug/l	97
74) N-amyl acetate	12.29	43	55939	43.629	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	57825	42.255	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	45038m	41.032	ug/l	
77) Bromobenzene	12.77	156	120213	46.650	ug/l	97
78) n-propylbenzene	12.83	91	531461	46.260	ug/l	99
79) 2-Chlorotoluene	12.91	91	309406	45.779	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	420723	46.880	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	18857	41.095	ug/l #	91
82) 4-Chlorotoluene	13.01	91	326048	45.224	ug/l	100
83) tert-Butylbenzene	13.23	119	363927	47.654	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	417472	46.780	ug/l	100
85) sec-Butylbenzene	13.40	105	451897	44.334	ug/l	98
86) p-Isopropyltoluene	13.52	119	450718	45.118	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	221876	44.635	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	225026	45.249	ug/l	98
89) n-Butylbenzene	13.84	91	373425	44.994	ug/l	98
90) Hexachloroethane	14.11	117	79530	43.121	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	191956	44.524	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12464	43.641	ug/l	90

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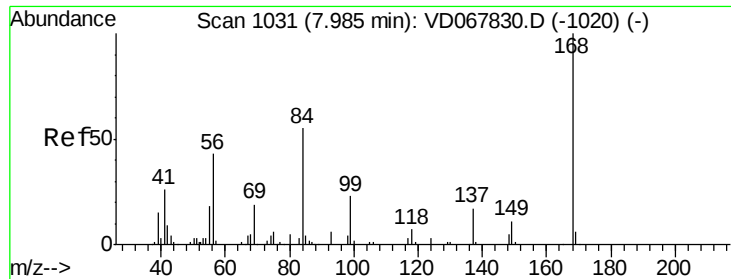
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	137458	45.581	ug/l	98
94) Hexachlorobutadiene	15.27	225	90933	46.209	ug/l	98
95) Naphthalene	15.40	128	222701	45.382	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	118004	45.311	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: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 221763

Ion Ratio Lower Upper

168 100

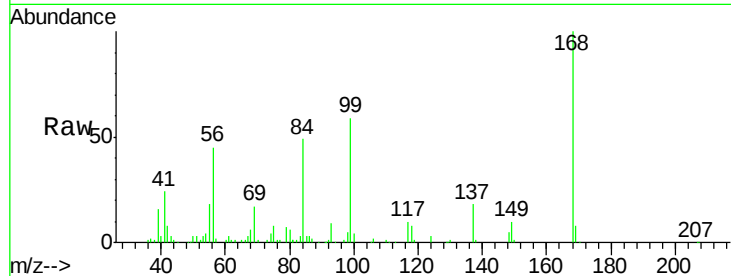
99 58.8 47.1 70.7

Manual Integrations

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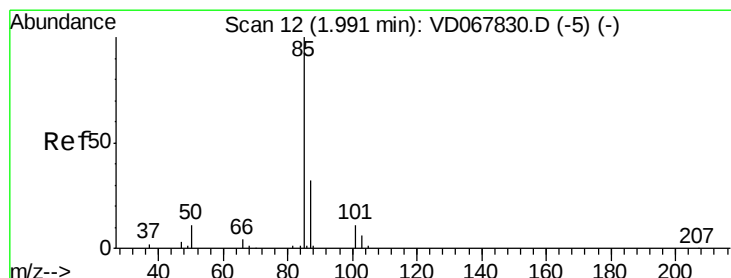
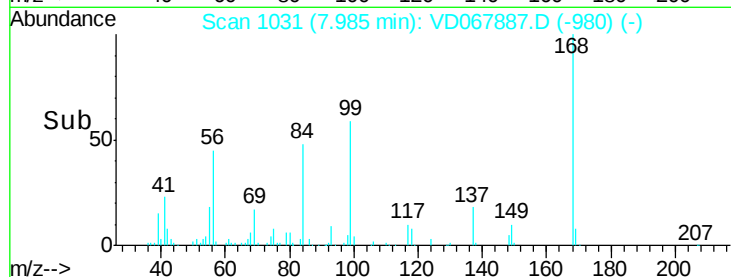
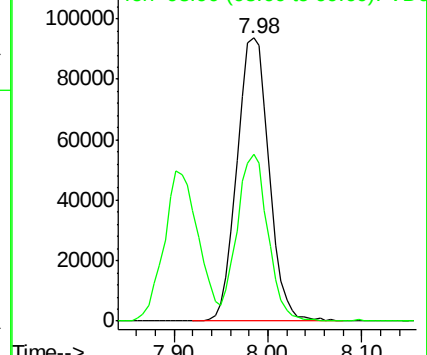
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12/7/2020 11:30:57 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 47.803 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD067887.D

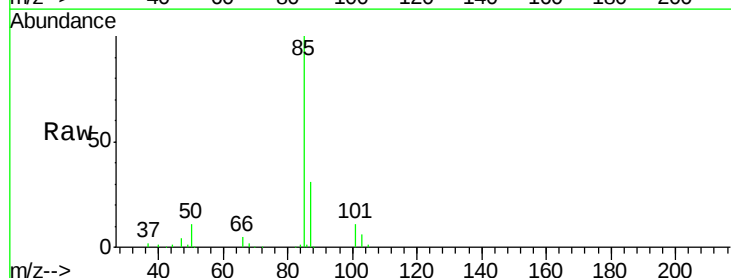
Acq: 04 Dec 2020 15:58

Tgt Ion: 85 Resp: 92256

Ion Ratio Lower Upper

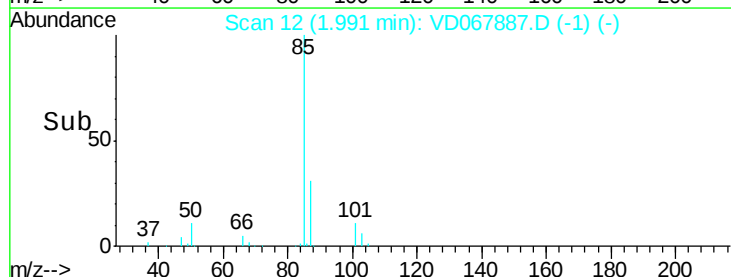
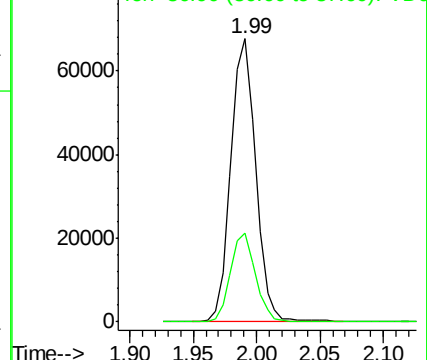
85 100

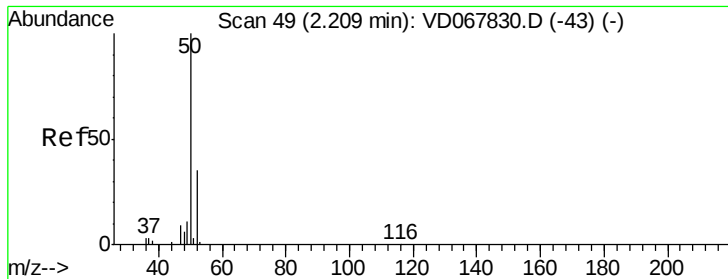
87 31.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 39.624 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 44133

Ion Ratio Lower Upper

50 100

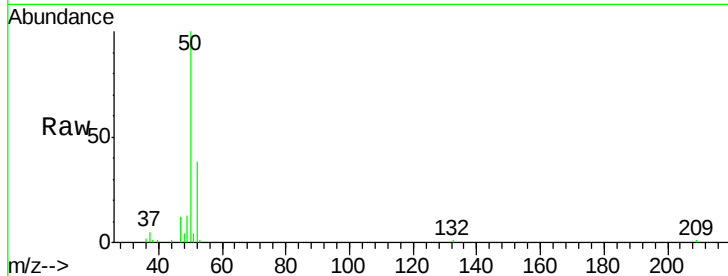
52 38.1 27.8 41.6

Manual Integrations

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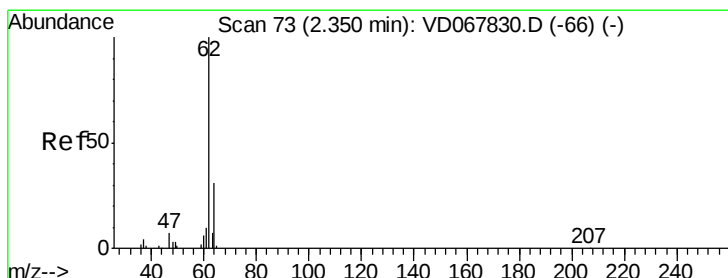
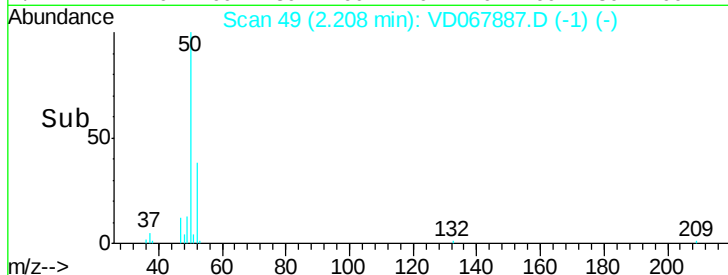
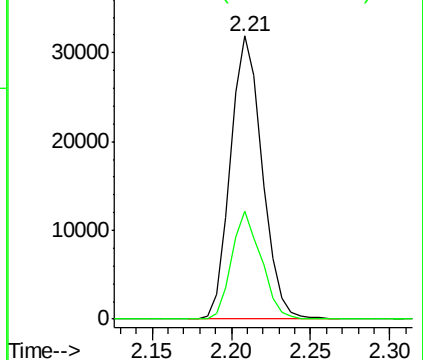
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.419 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067887.D

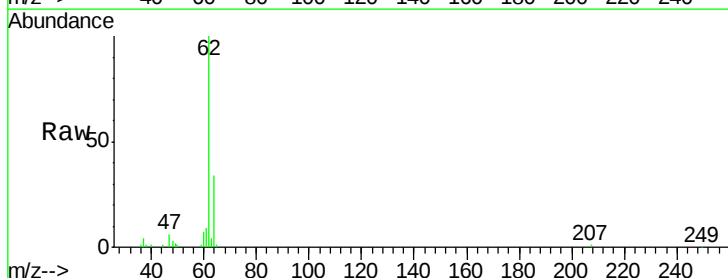
Acq: 04 Dec 2020 15:58

Tgt Ion: 62 Resp: 63712

Ion Ratio Lower Upper

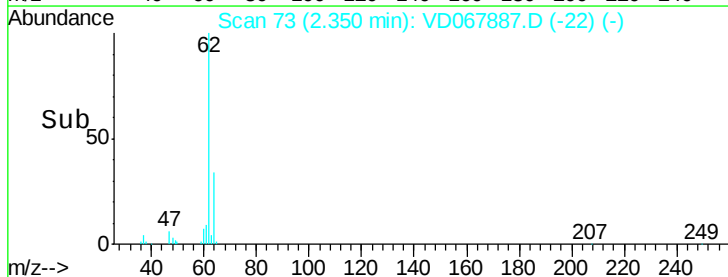
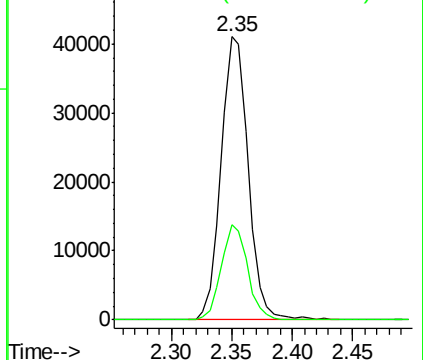
62 100

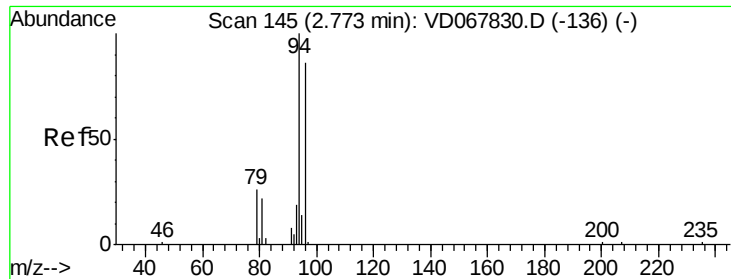
64 33.6 24.5 36.7



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 52.811 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 66133

Ion Ratio Lower Upper

94 100

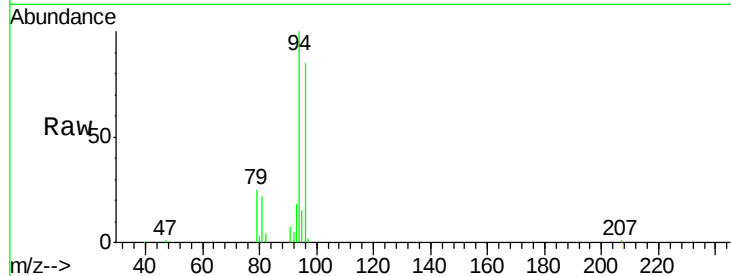
96 84.8 68.7 103.1

Manual Integrations

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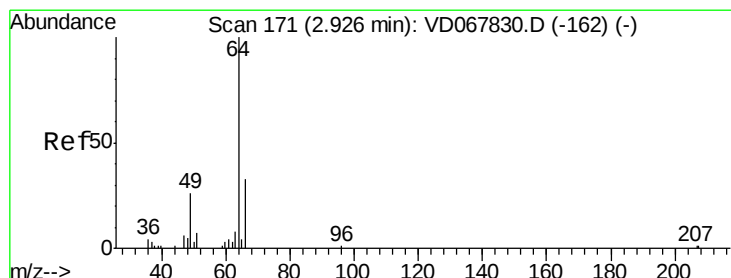
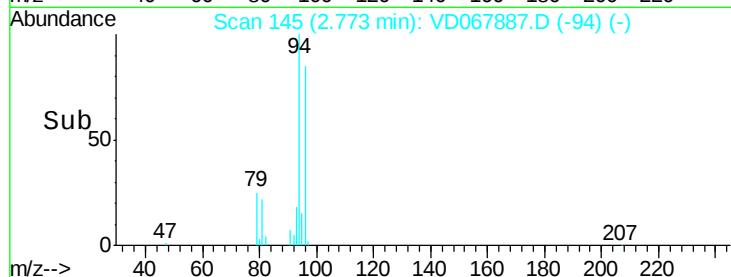
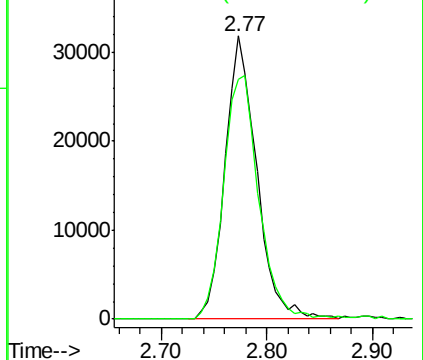
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 46.086 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD067887.D

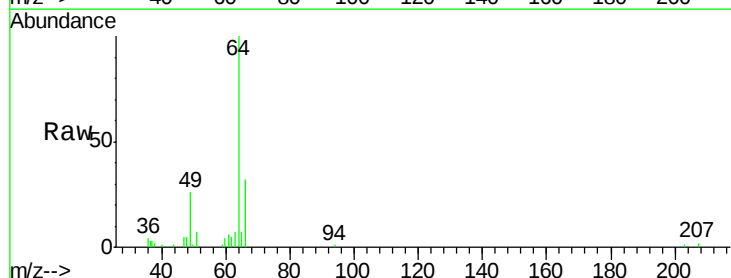
Acq: 04 Dec 2020 15:58

Tgt Ion: 64 Resp: 42091

Ion Ratio Lower Upper

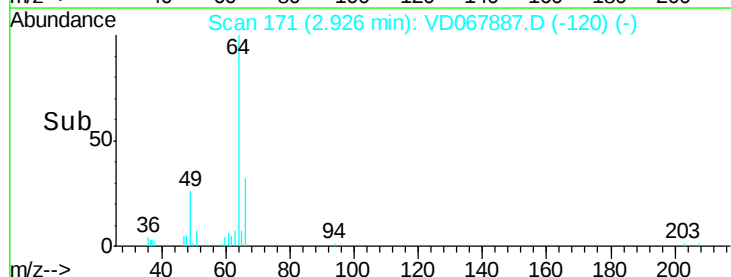
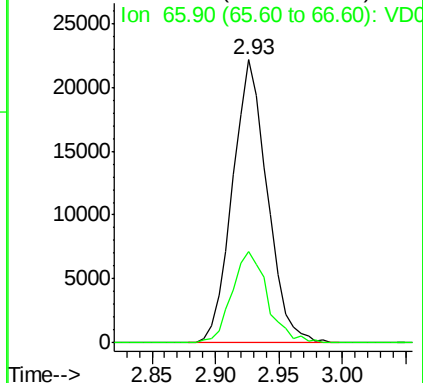
64 100

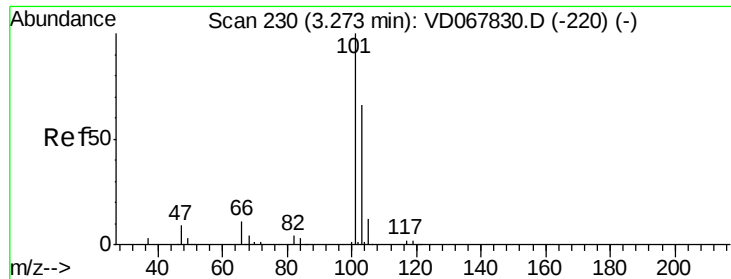
66 32.3 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

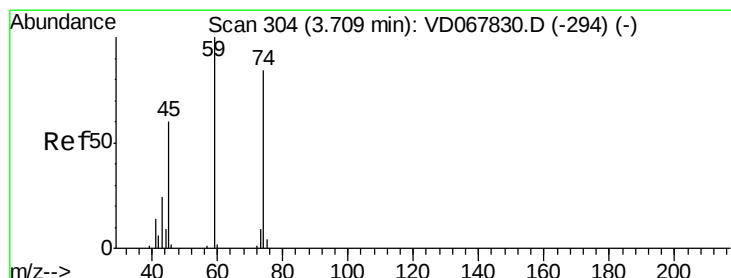
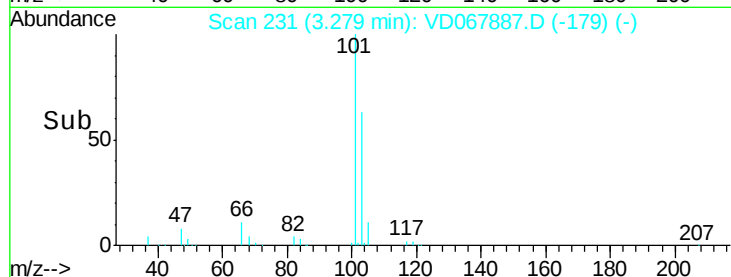
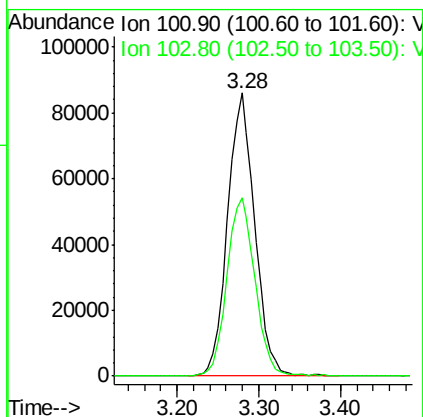
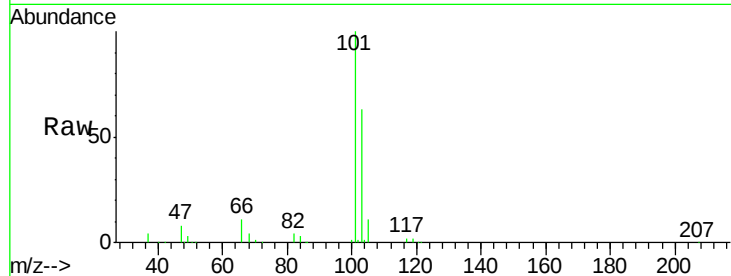
Trichlorofluoromethane
 Concen: 46.338 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD067887.D
 Acq: 04 Dec 2020 15:58

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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	53.0	79.6

Manual Integrations
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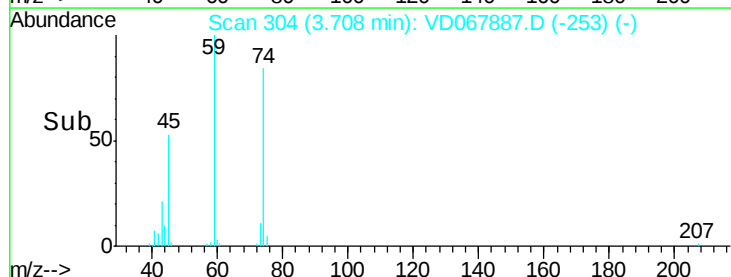
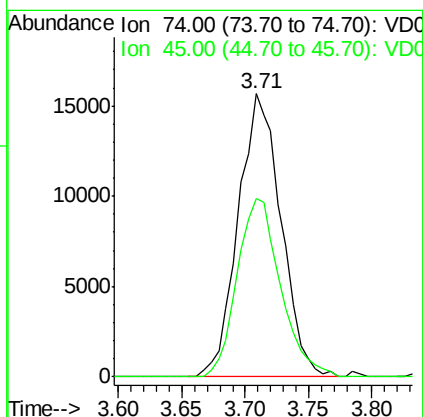
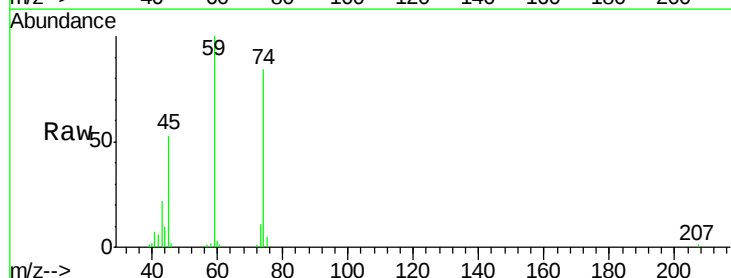
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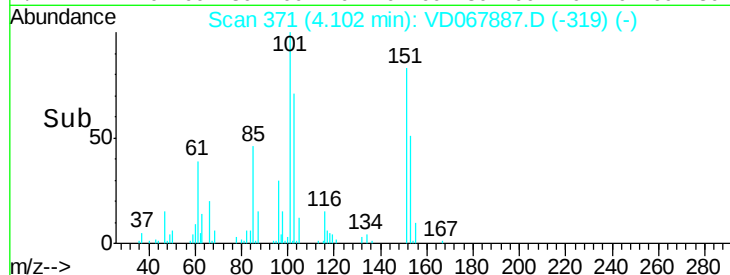
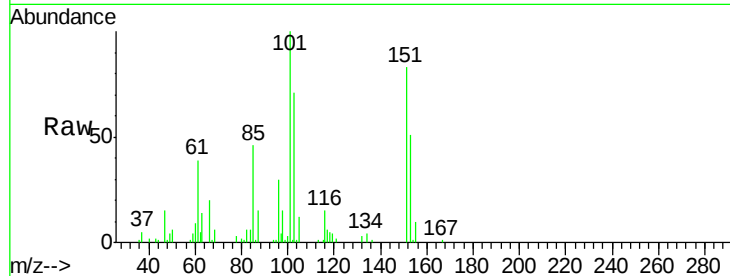
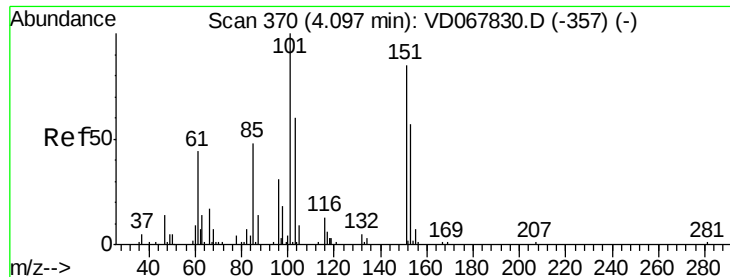


#8

Diethyl Ether
 Concen: 43.966 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD067887.D
 Acq: 04 Dec 2020 15:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	63.8	33.9	101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.919 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

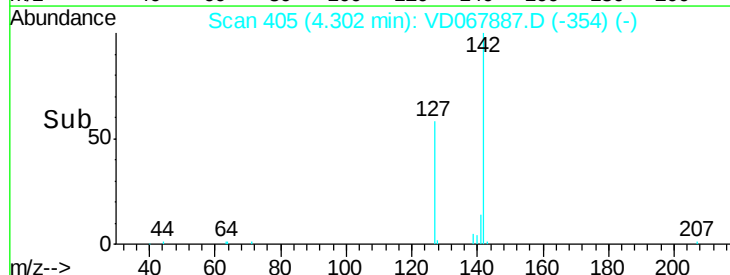
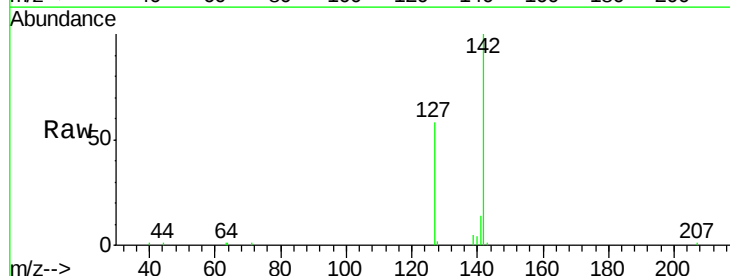
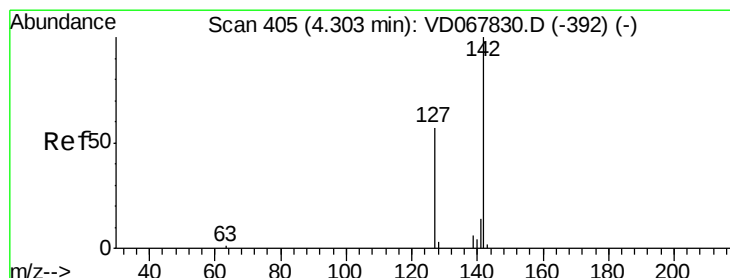
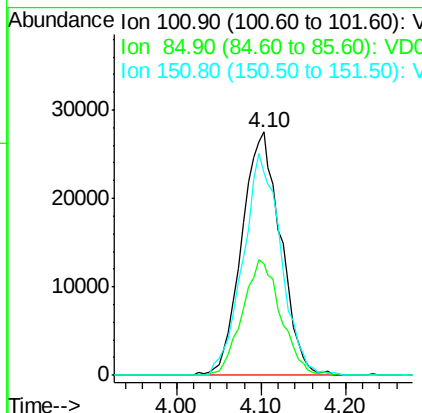
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	87922
Ion Ratio	Lower	Upper	
101	100		
85	46.9	36.2	54.4
151	89.0	69.4	104.2

Manual Integrations
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#10

Methyl Iodide

Concen: 41.092 ug/l

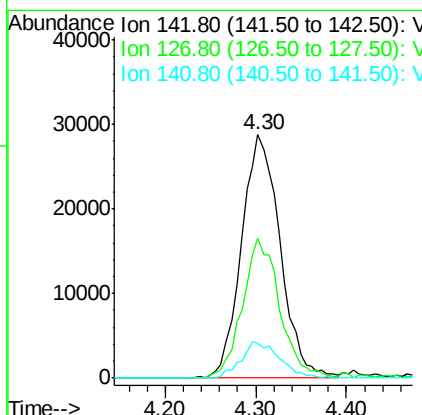
RT: 4.30 min Scan# 405

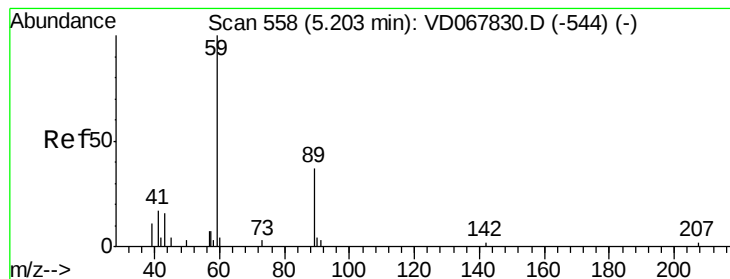
Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Tgt Ion:	142	Resp:	85253
Ion Ratio	Lower	Upper	
142	100		
127	55.4	43.9	65.9
141	14.9	12.2	18.2





#11

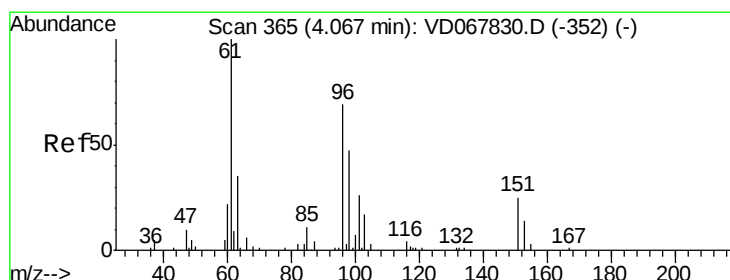
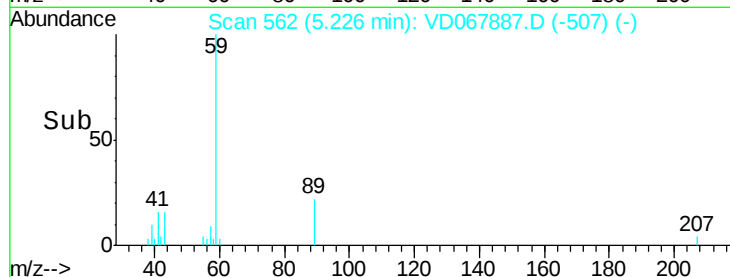
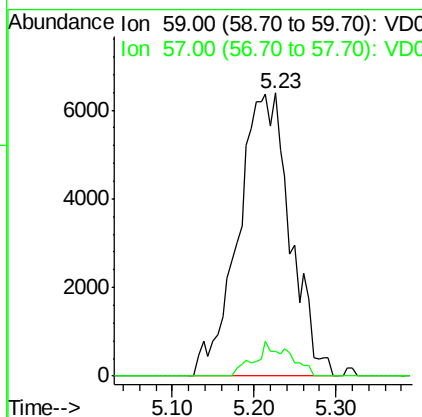
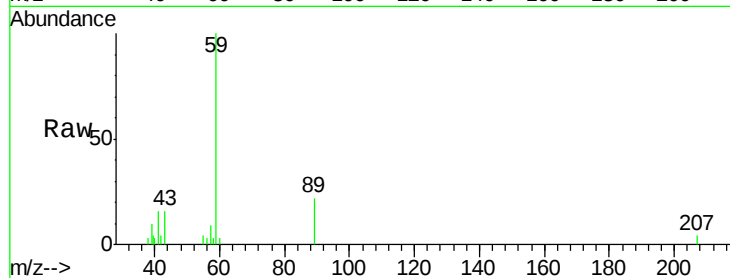
Tert butyl alcohol
Concen: 225.849 ug/l
RT: 5.23 min Scan# 562
Delta R.T. 0.02 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	28324
Ion Ratio	100	Lower	Upper
57	8.0	7.7	11.5

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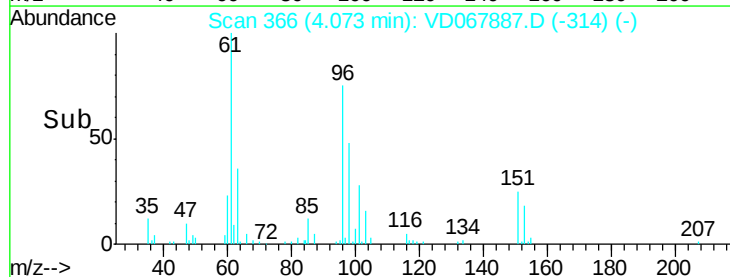
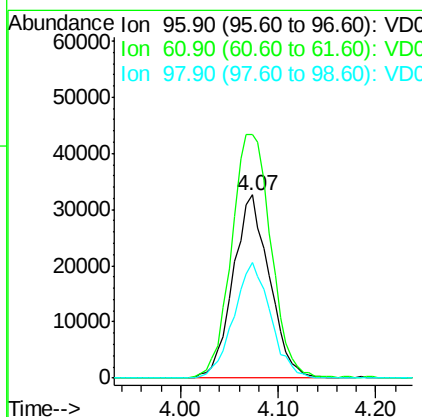
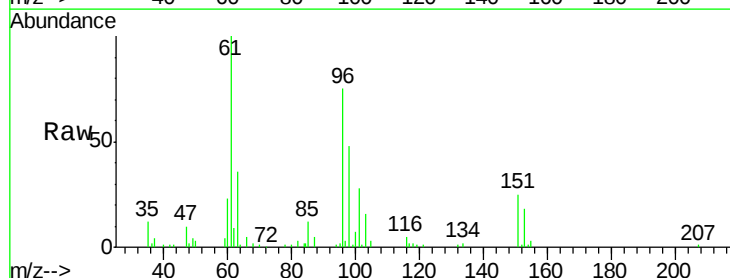
MMDadoda
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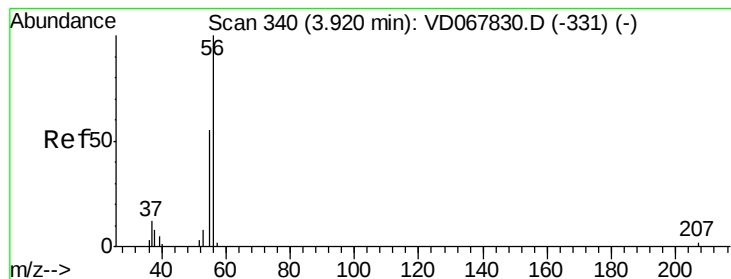


#12

1,1-Dichloroethene
Concen: 45.915 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.01 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion	96	Resp	84374
Ion Ratio	100	Lower	Upper
61	132.9	116.1	174.1
98	63.2	54.6	82.0





#13

Acrolein

Concen: 197.491 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 18068

Ion Ratio Lower Upper

56 100

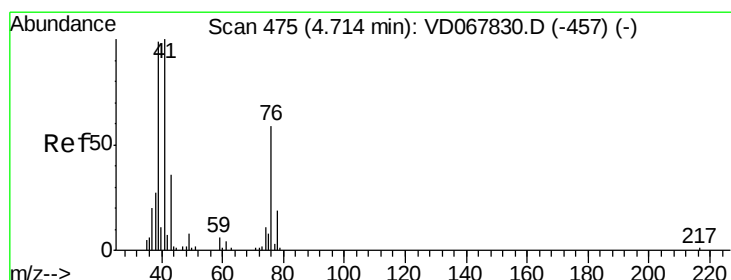
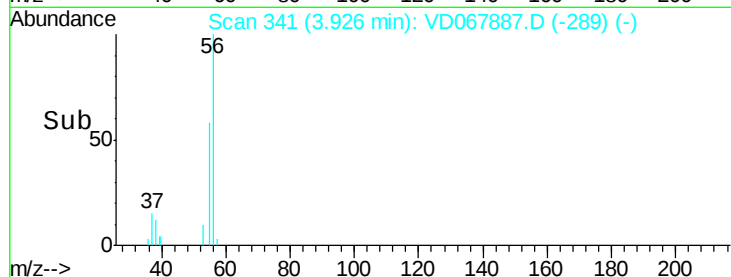
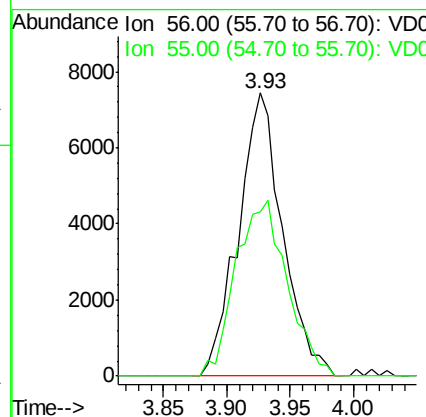
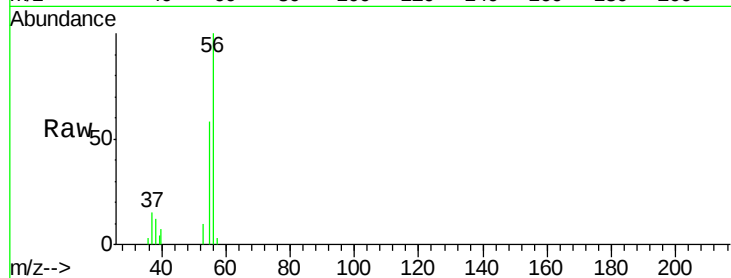
55 72.0 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 45.669 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

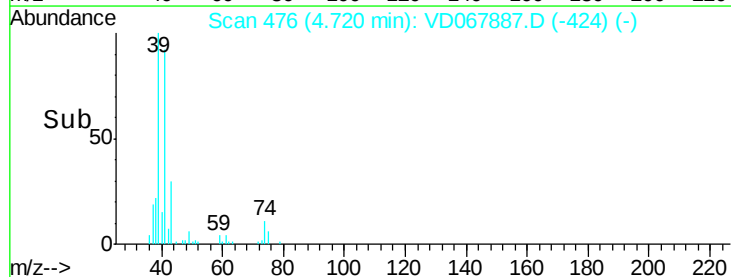
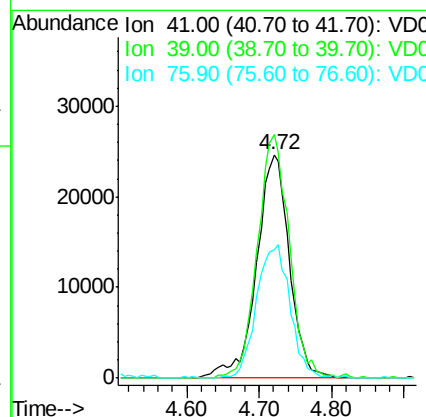
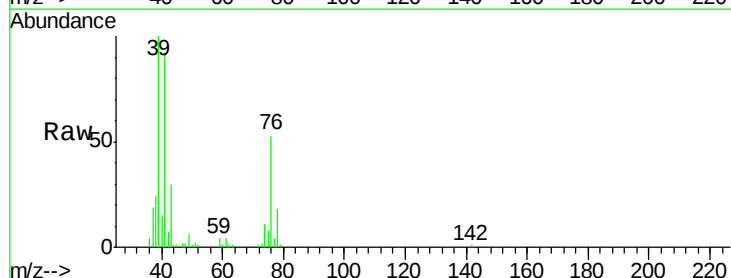
Tgt Ion: 41 Resp: 77638

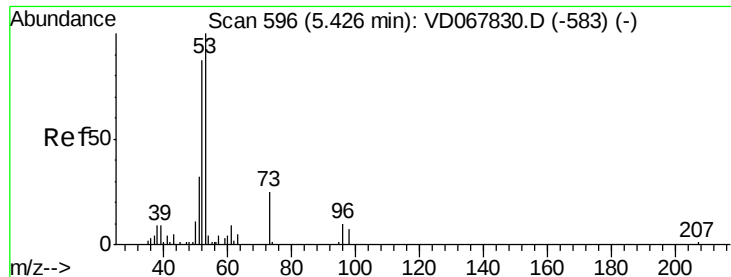
Ion Ratio Lower Upper

41 100

39 105.4 79.0 118.6

76 60.9 46.6 70.0





#15

Acrylonitrile

Concen: 215.885 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

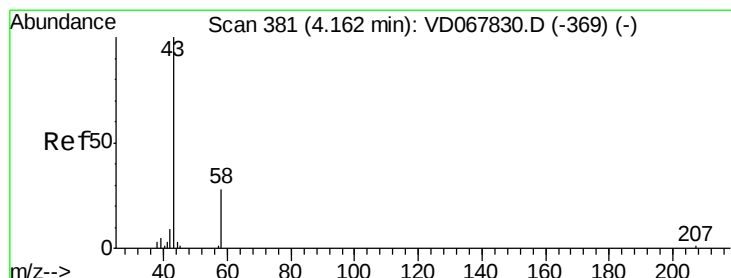
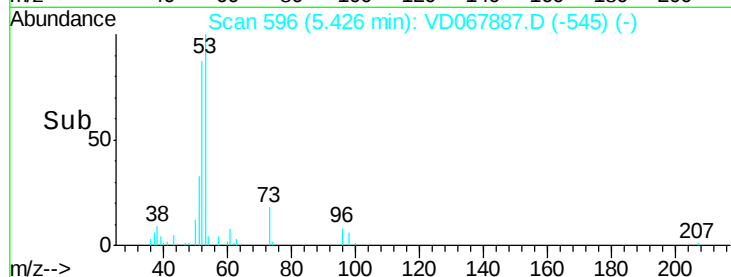
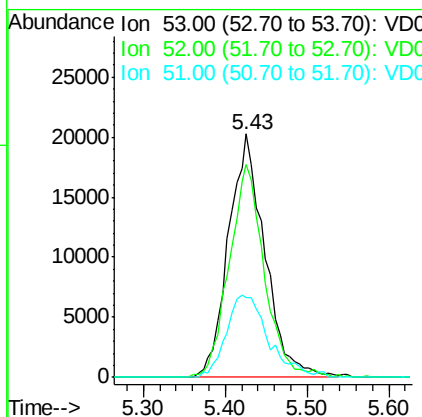
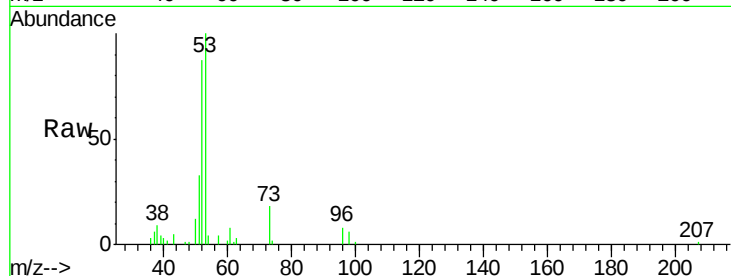
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	62627
Ion	Ratio	Lower	Upper
53	100		
52	84.6	66.2	99.2
51	38.7	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 220.848 ug/l

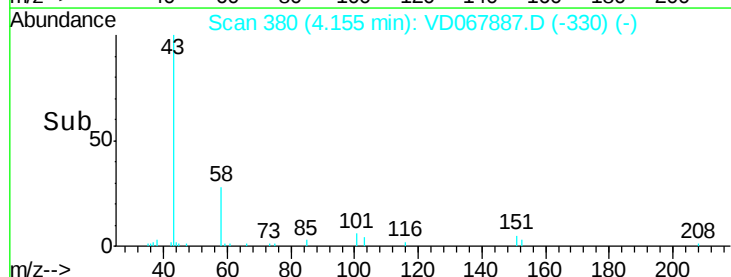
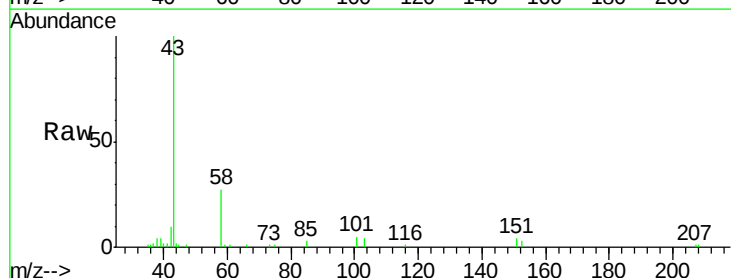
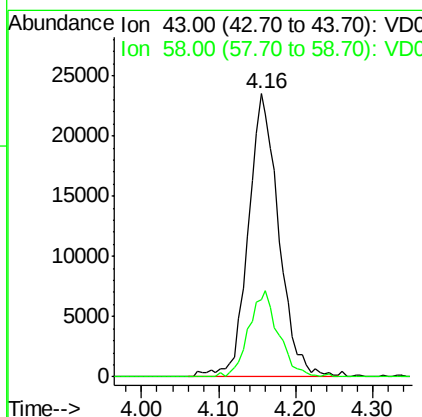
RT: 4.16 min Scan# 380

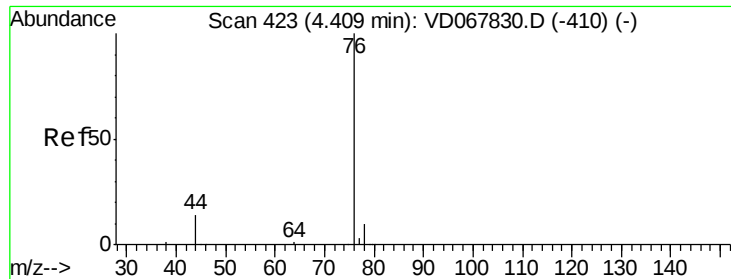
Delta R.T. -0.01 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Tgt Ion:	43	Resp:	64970
Ion	Ratio	Lower	Upper
43	100		
58	27.2	21.9	32.9





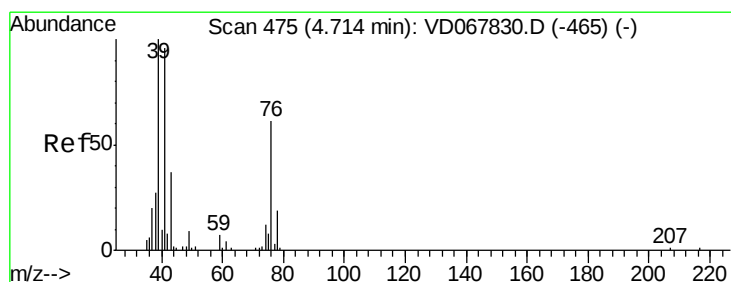
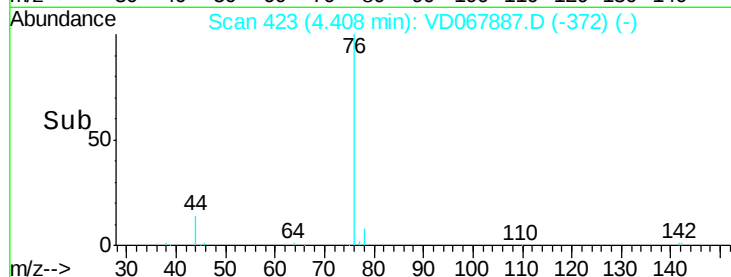
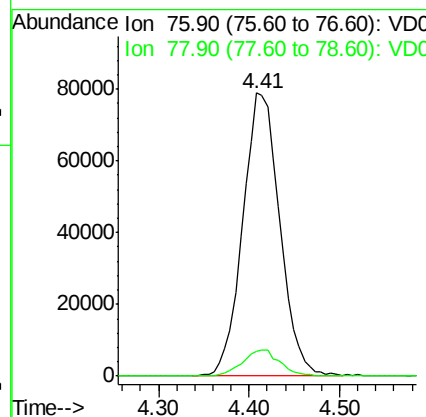
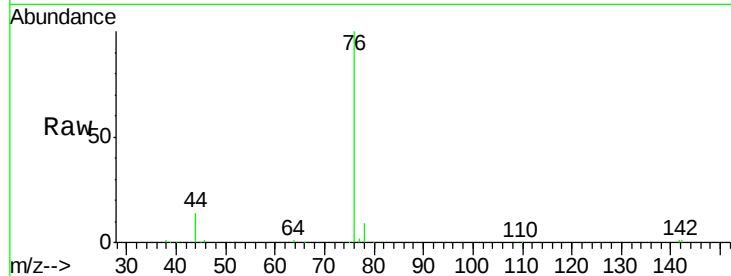
#17
Carbon Disulfide
Concen: 43.743 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.8	11.6

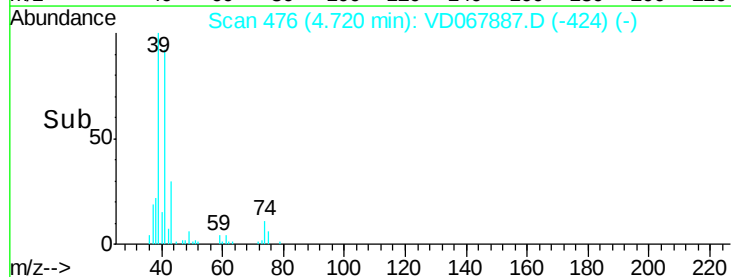
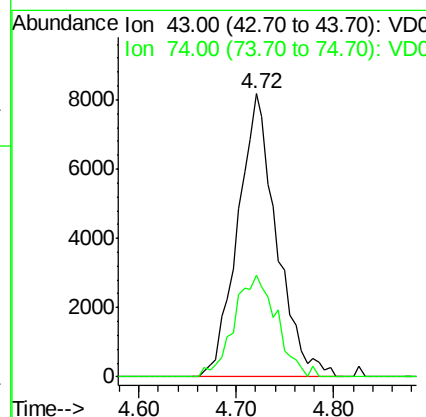
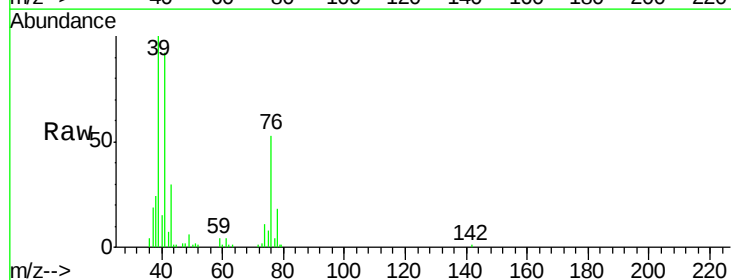
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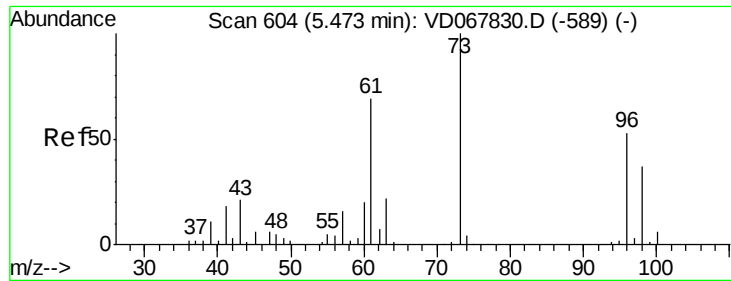
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#18
Methyl Acetate
Concen: 40.935 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	38.8	27.0	40.4





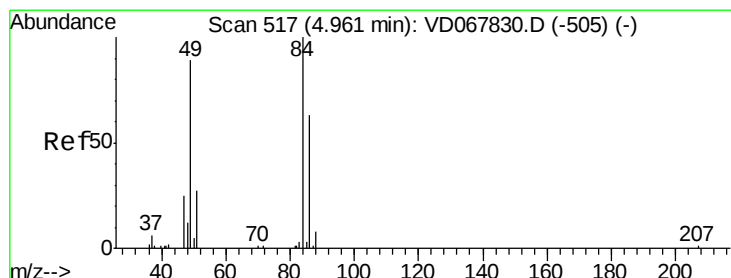
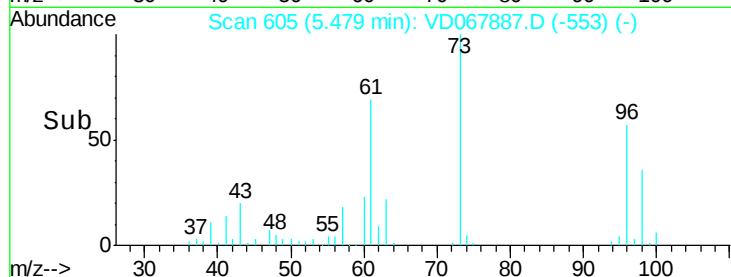
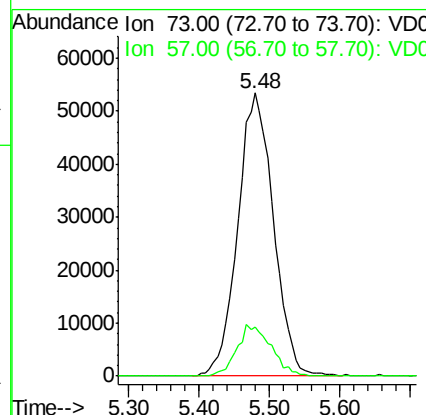
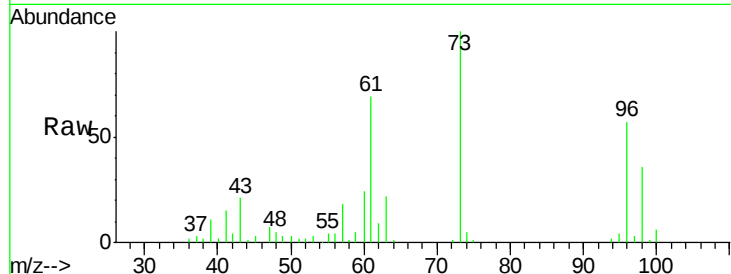
#19
Methyl tert-butyl Ether
Concen: 47.661 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 187543
Ion Ratio Lower Upper
73 100
57 17.6 13.2 19.8

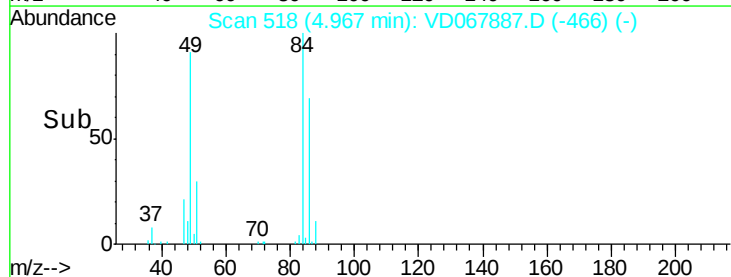
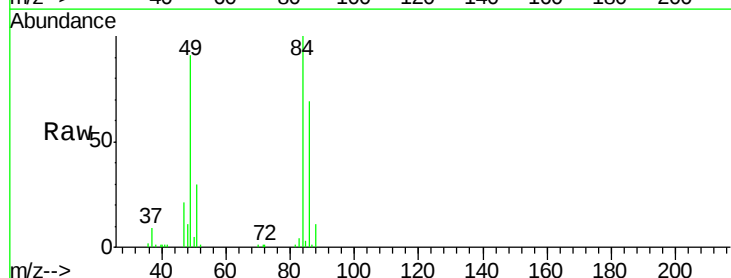
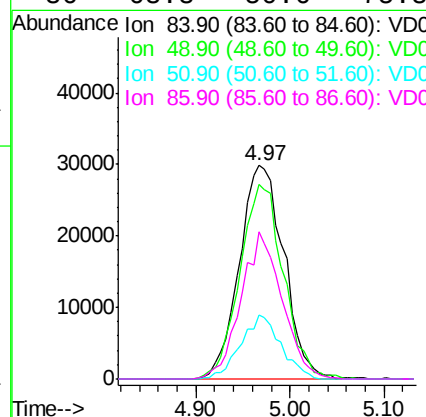
Manual Integrations
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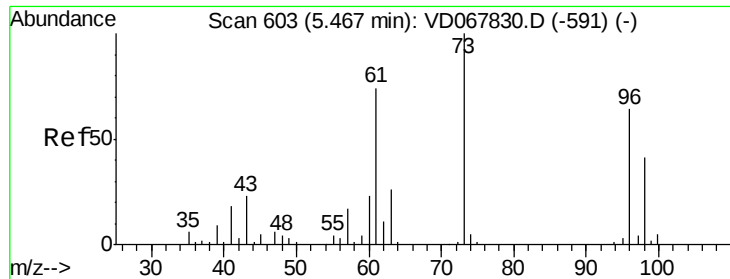
MMDadoda
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#20
Methylene Chloride
Concen: 51.310 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion: 84 Resp: 97573
Ion Ratio Lower Upper
84 100
49 90.9 71.4 107.0
51 29.9 21.8 32.8
86 68.8 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 45.307 ug/l

RT: 5.48 min Scan# 606

Delta R.T. 0.02 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

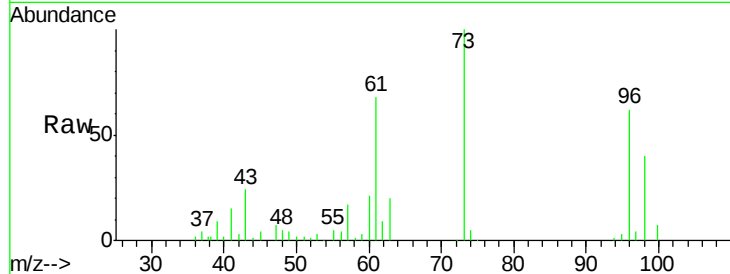
ClientSampleId :

VSTDCCC050EC

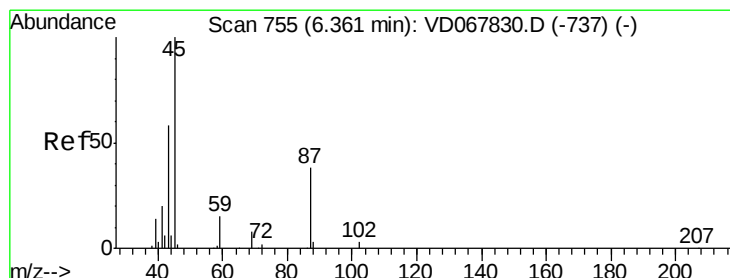
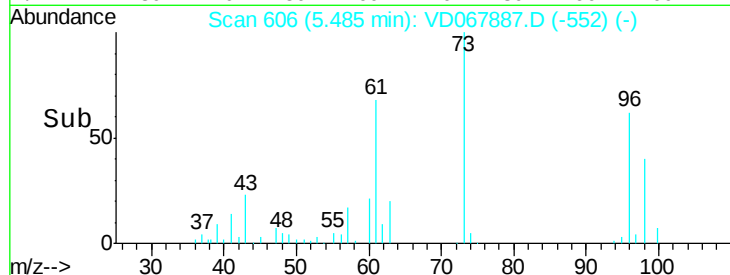
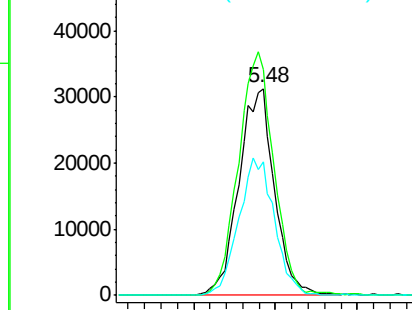
Tot Ion:	96	Resp:	94740
Ion	Ratio	Lower	Upper
96	100		
61	109.3	93.1	139.7
98	64.6	52.2	78.2

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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 44.689 ug/l

RT: 6.37 min Scan# 756

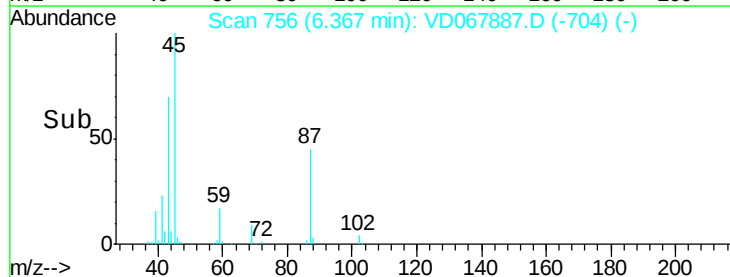
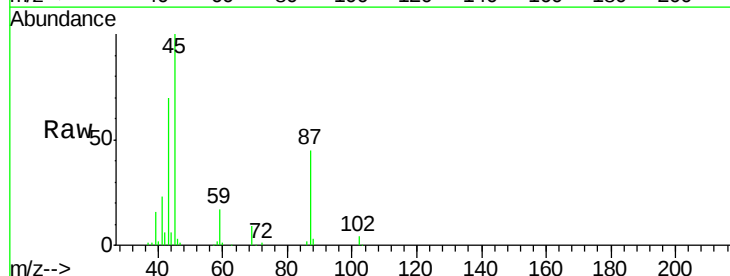
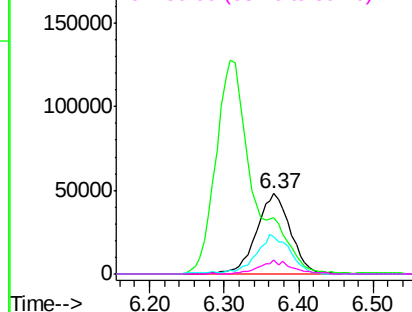
Delta R.T. 0.01 min

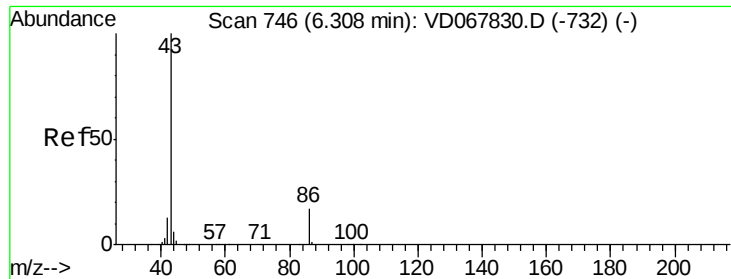
Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Tgt Ion:	45	Resp:	152797
Ion	Ratio	Lower	Upper
45	100		
43	68.8	49.8	74.6
87	45.5	32.1	48.1
59	16.8	11.9	17.9

Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 238.297 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 453271

Ion Ratio Lower Upper

43 100

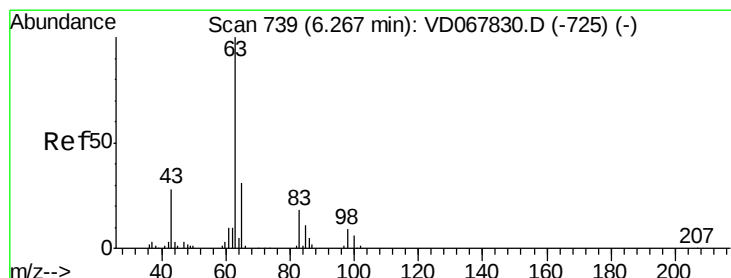
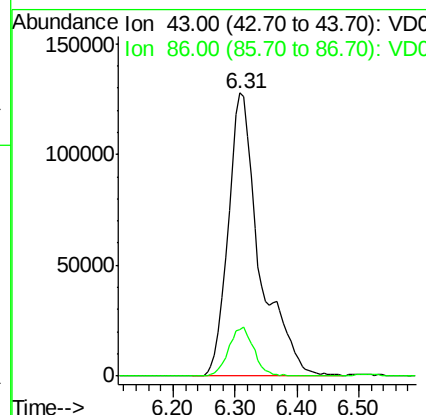
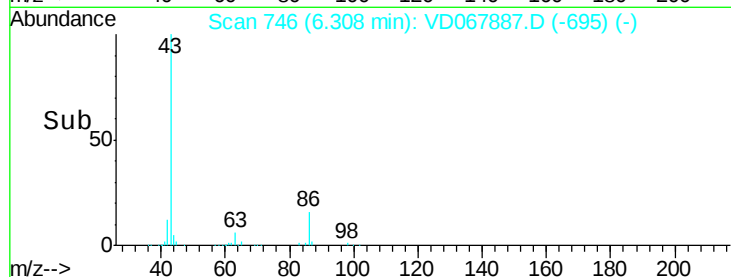
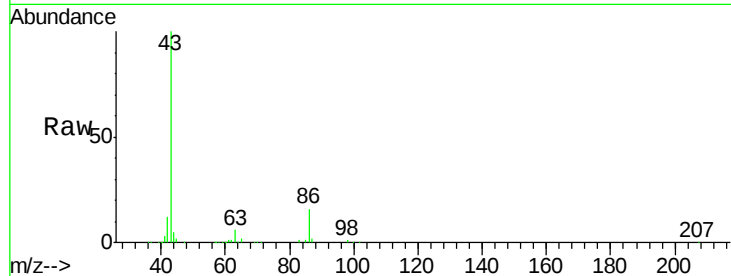
86 16.3 13.8 20.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 45.680 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

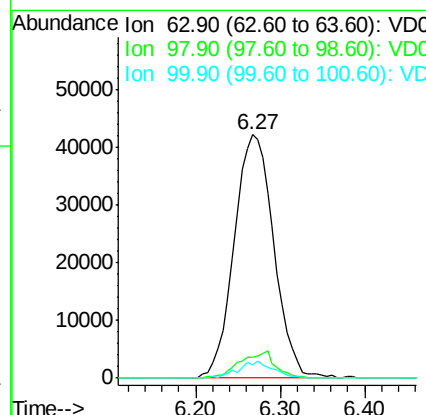
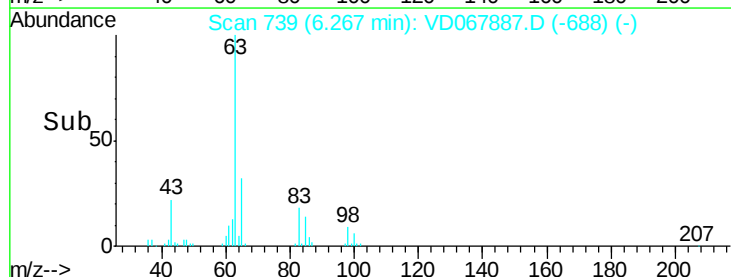
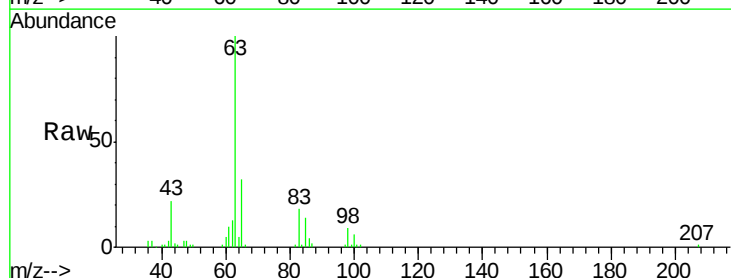
Tgt Ion: 63 Resp: 136913

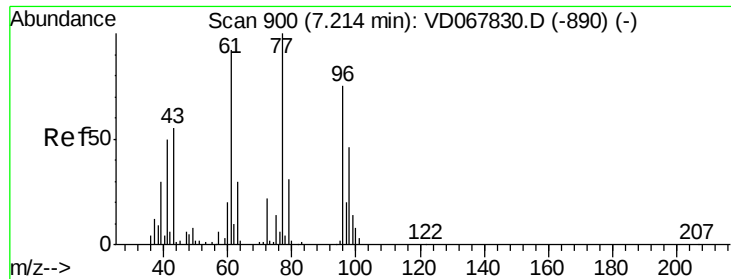
Ion Ratio Lower Upper

63 100

98 8.7 4.5 13.5

100 5.6 3.0 9.2





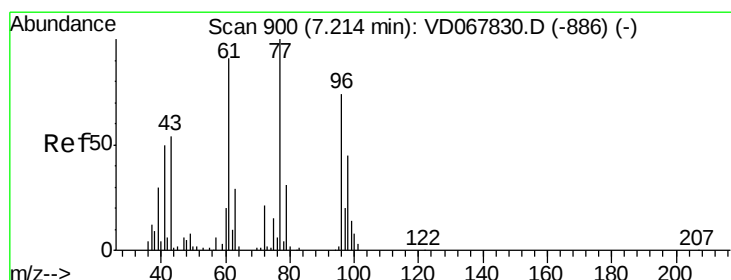
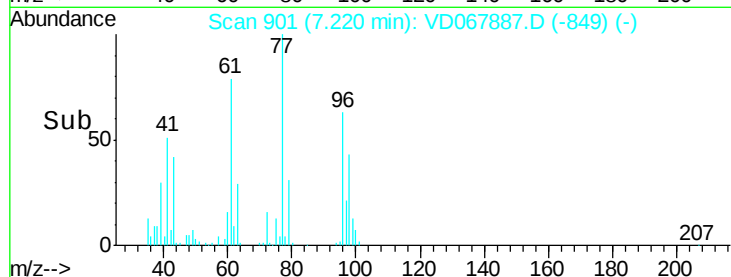
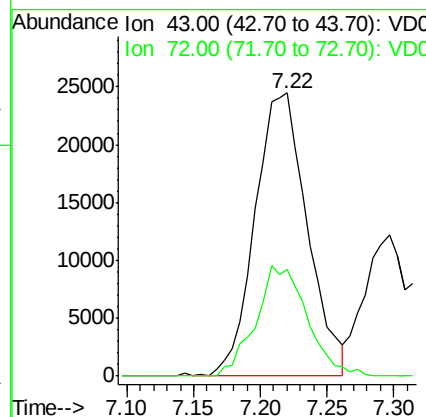
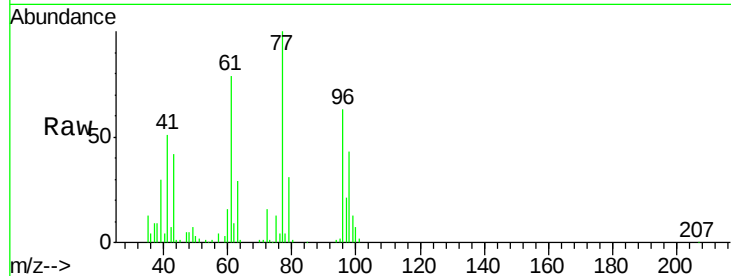
#25
2-Butanone
Concen: 215.187 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 66584
Ion Ratio Lower Upper
43 100
72 37.5 31.3 46.9

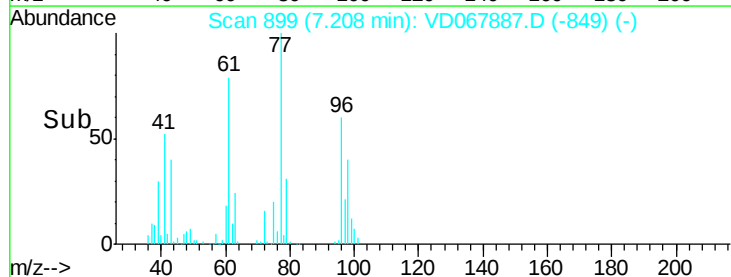
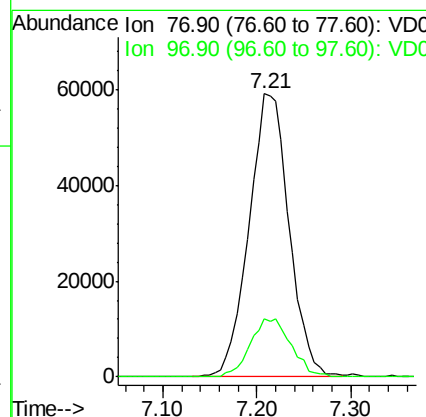
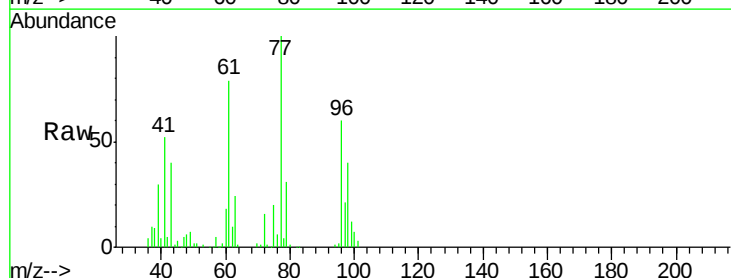
Manual Integrations
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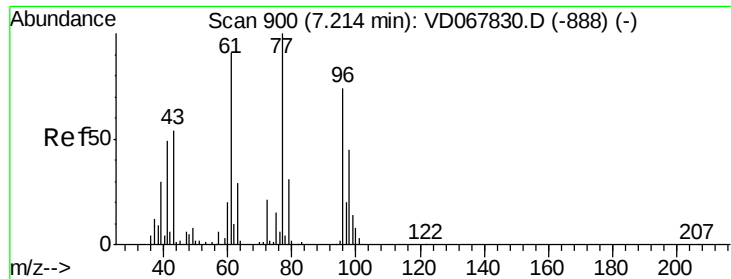
MMDadoda
12/7/2020 11:30:57 AM



#26
2,2-Dichloropropane
Concen: 48.778 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion: 77 Resp: 174336
Ion Ratio Lower Upper
77 100
97 20.9 11.1 33.1





#27

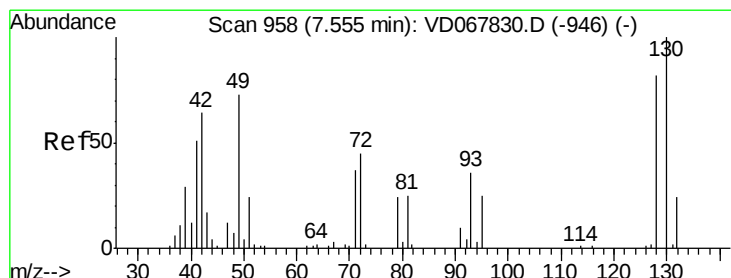
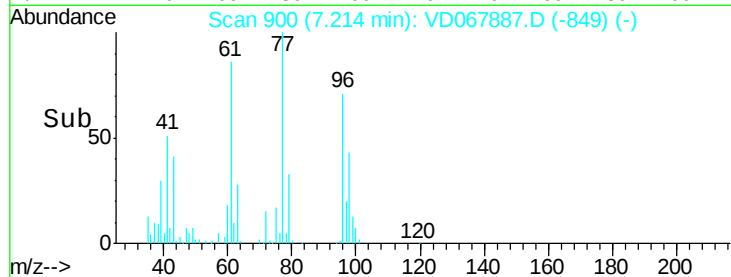
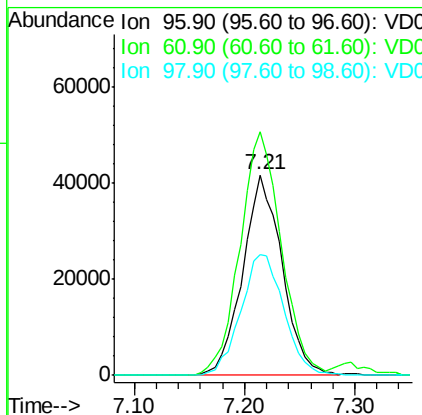
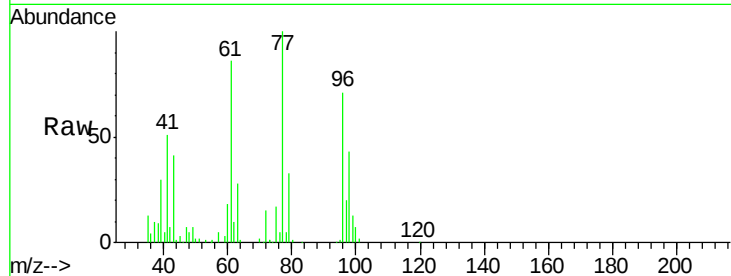
cis-1,2-Dichloroethene
Concen: 45.588 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	127.2	0.0	248.4	
98	65.8	0.0	127.4	

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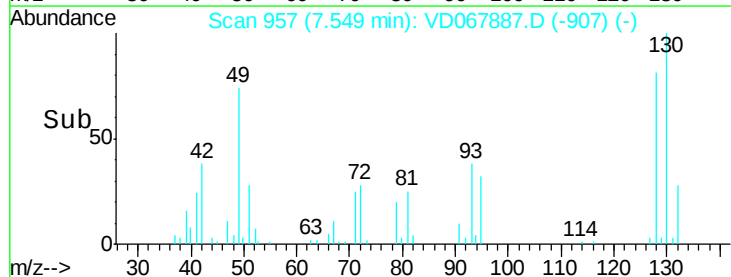
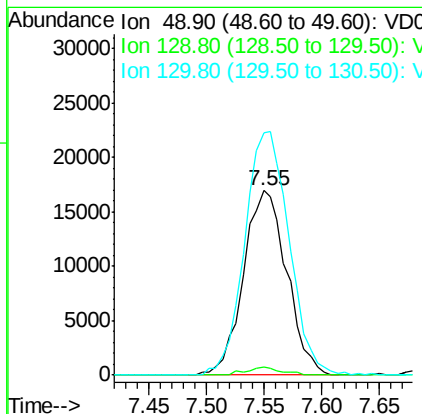
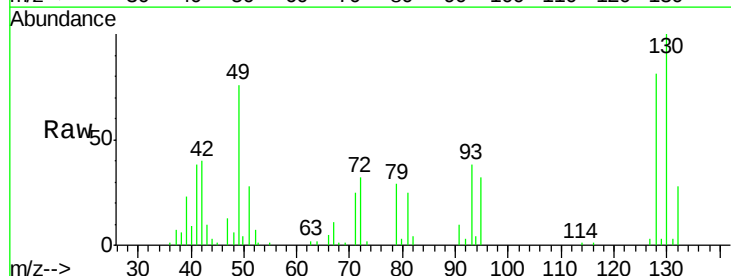
MMDadoda
12/7/2020 11:30:57 AM

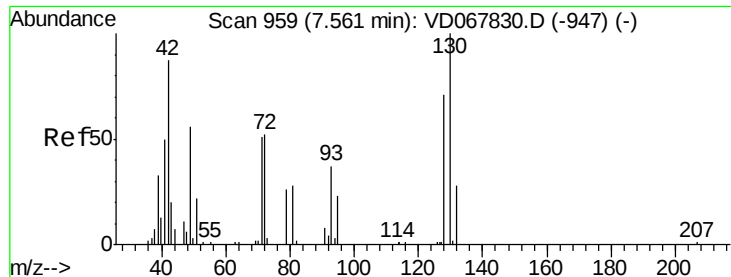


#28

Bromochloromethane
Concen: 46.447 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	3.3	0.0	3.4	
130	135.7	110.2	165.2	





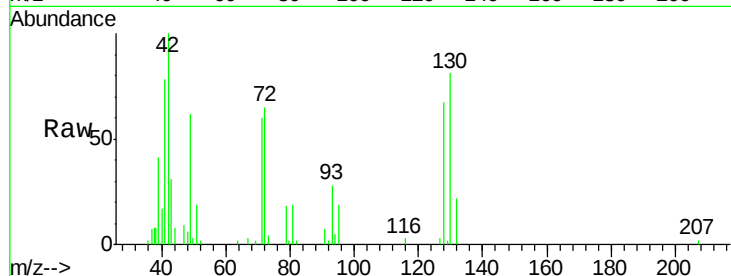
#29
Tetrahydrofuran
Concen: 210.868 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

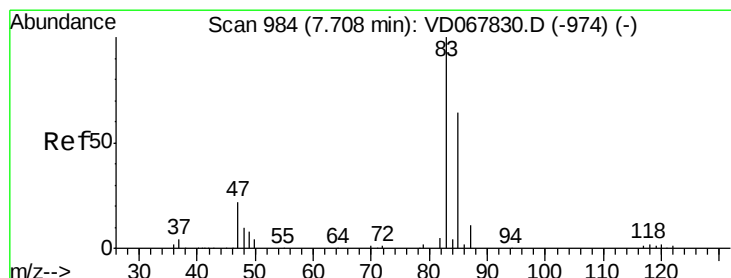
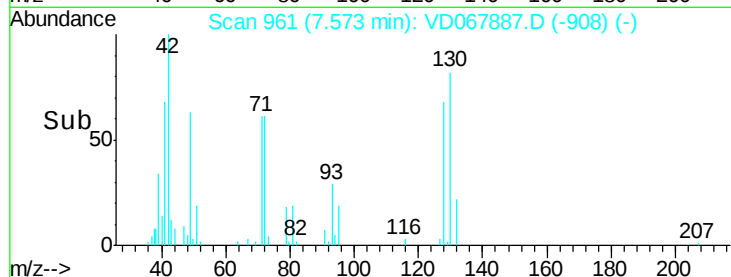
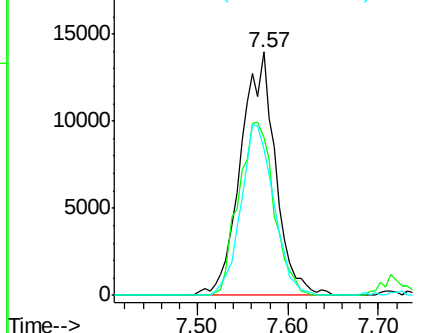
Tot Ion	Ratio	Lower	Upper
42	100		
72	72.3	51.9	77.9
71	66.2	48.2	72.4

Manual Integrations
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MMDadoda
12/7/2020 11:30:57 AM

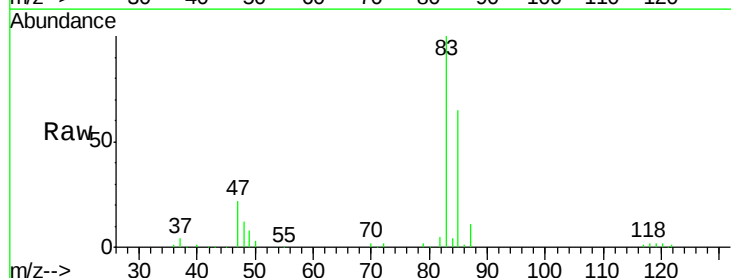


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

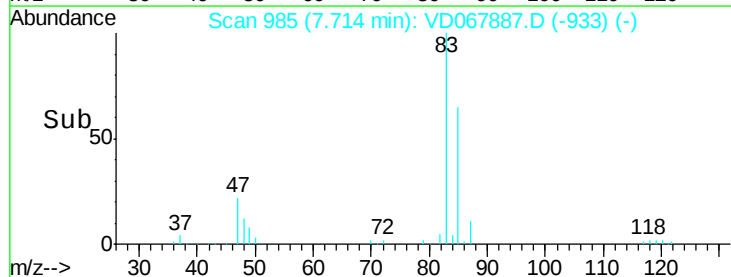
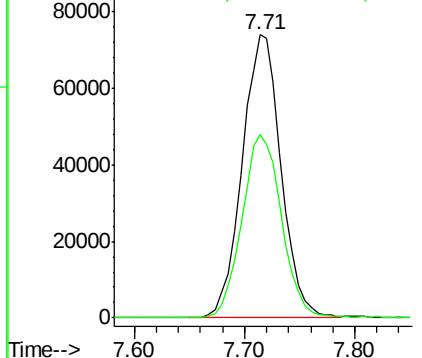


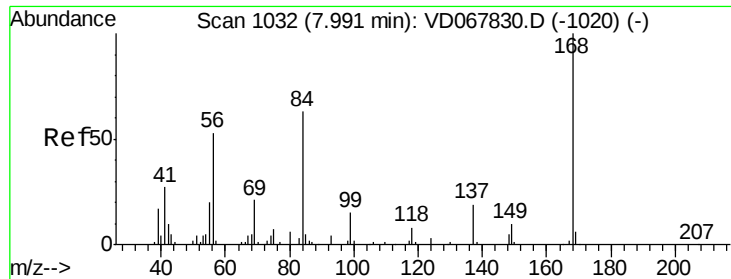
#30
Chloroform
Concen: 45.564 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.0	76.4



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





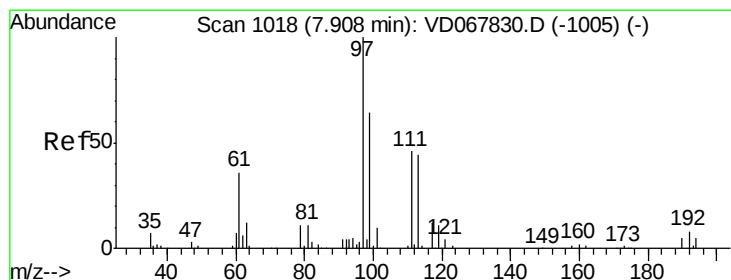
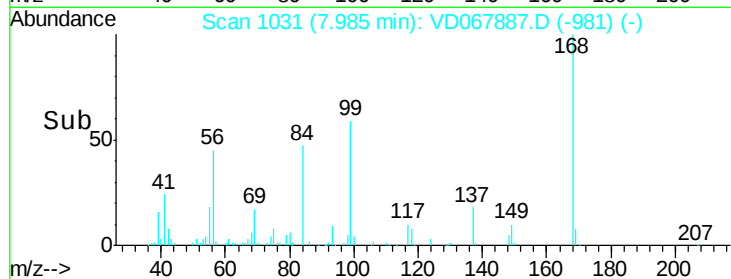
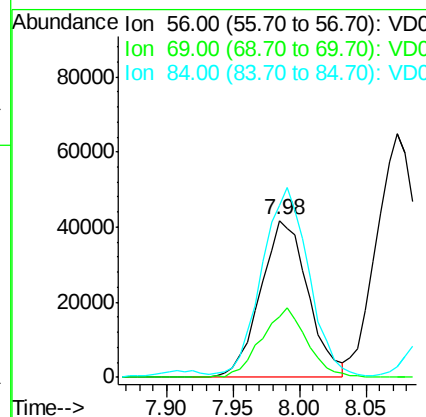
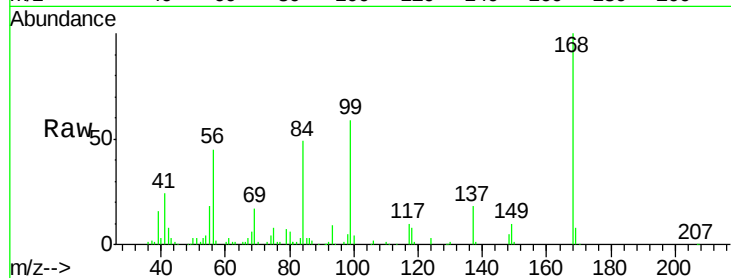
#31
Cyclohexane
Concen: 41.130 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.6	32.1	48.1
84	105.2	93.2	139.8

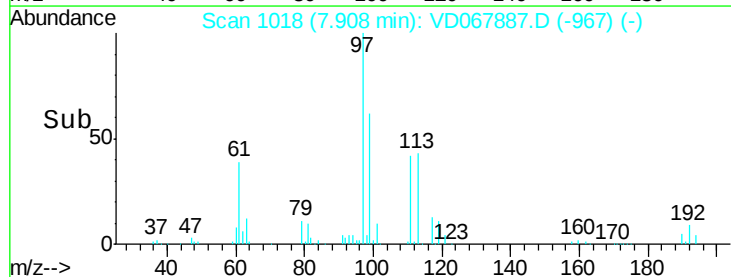
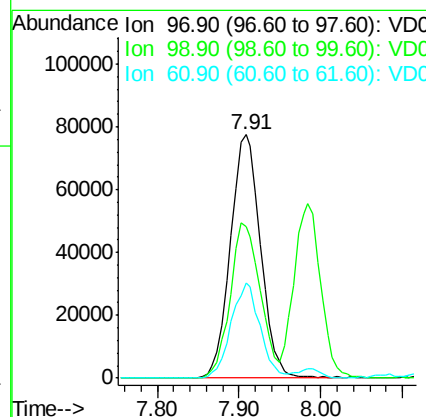
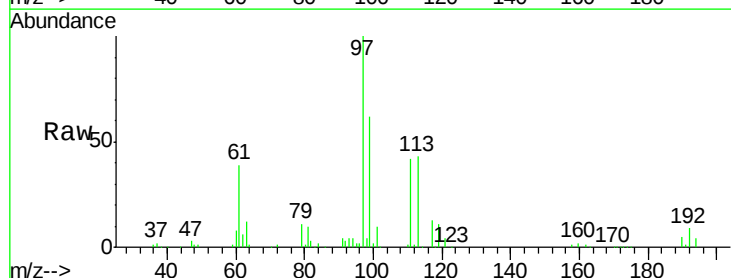
Manual Integrations
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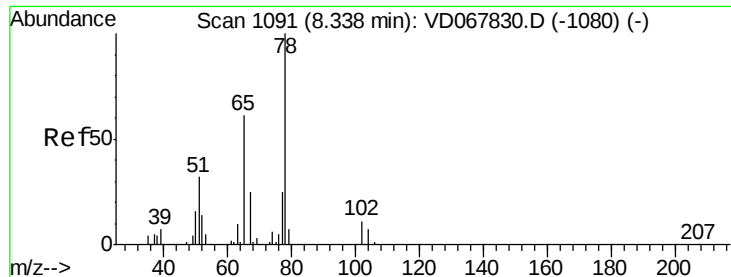
MMDadoda
12/7/2020 11:30:57 AM



#32
1,1,1-Trichloroethane
Concen: 47.182 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.4	77.2
61	37.6	30.8	46.2





#33

1,2-Dichloroethane-d4

Concen: 47.141 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 112229

Ion Ratio Lower Upper

65 100

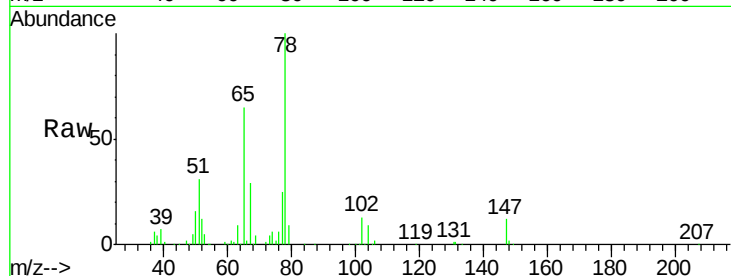
67 47.7 0.0 92.0

Manual Integrations

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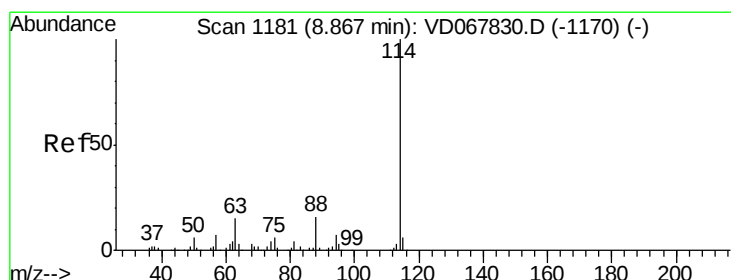
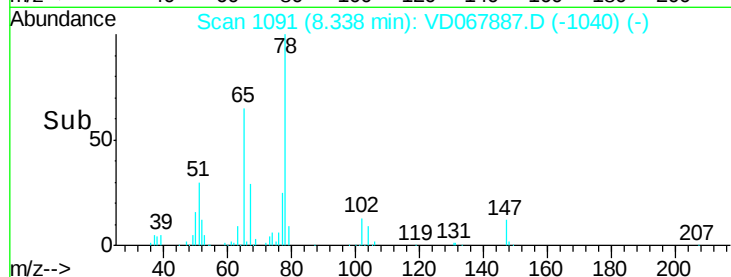
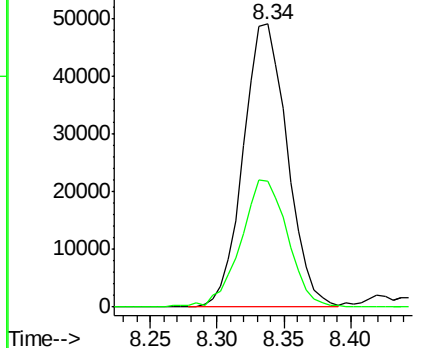
MMDadoda

12/7/2020 11:30:57 AM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

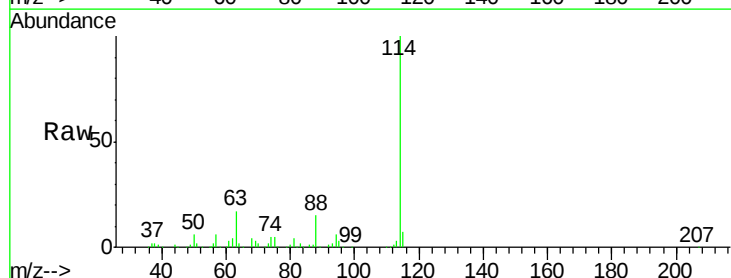
Tgt Ion: 114 Resp: 315596

Ion Ratio Lower Upper

114 100

63 17.4 0.0 30.8

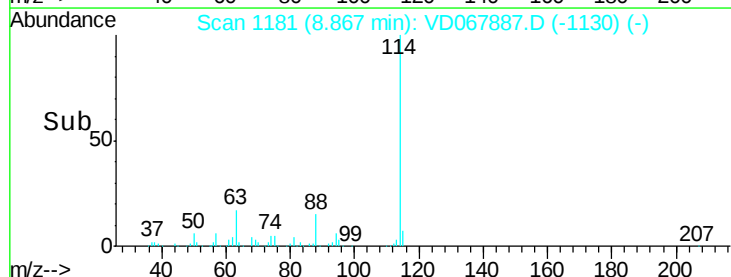
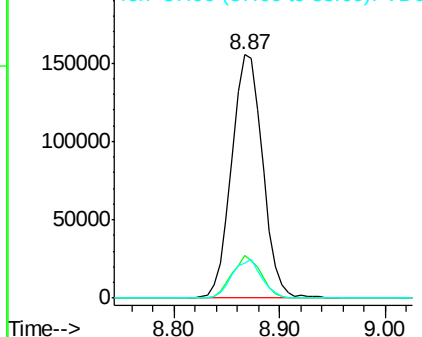
88 14.6 0.0 31.8

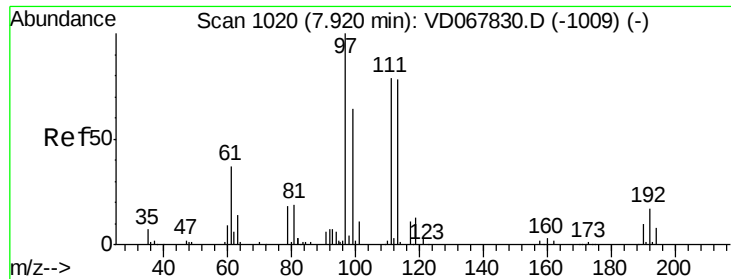


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





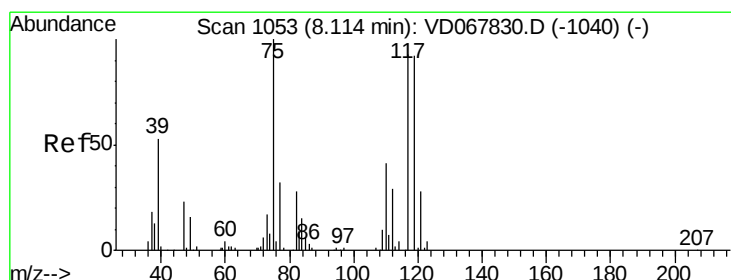
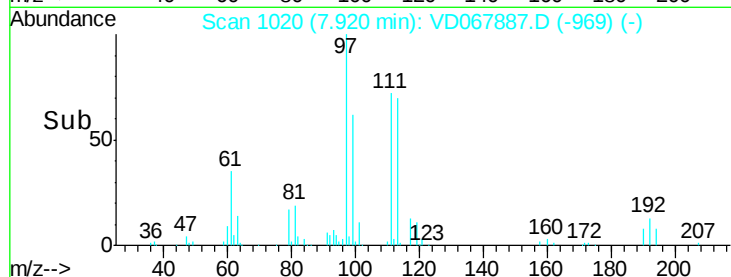
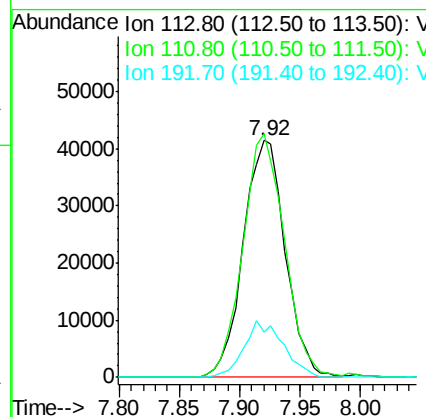
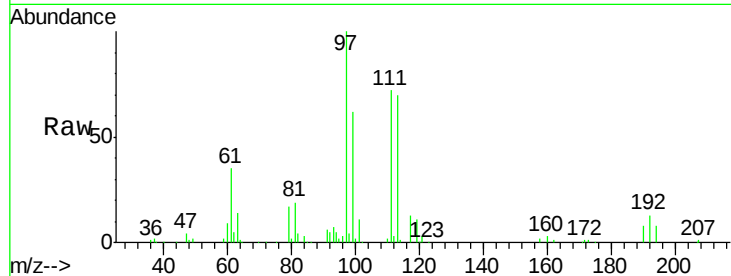
#35
 Dibromofluoromethane
 Concen: 47.715 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067887.D
 Acq: 04 Dec 2020 15:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	100765		
111	101.9	81.2	121.8	
192	22.4	16.8	25.2	

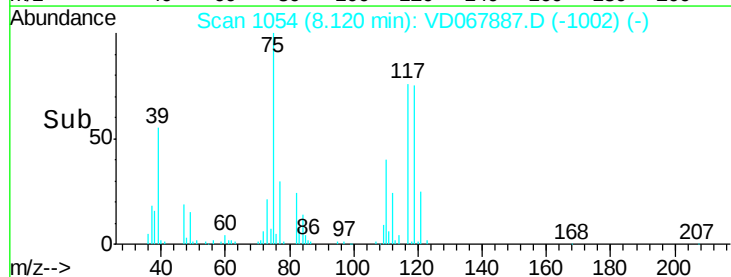
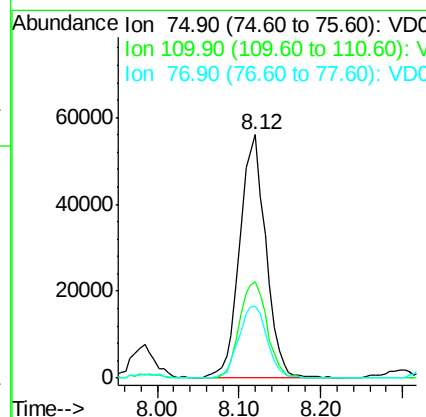
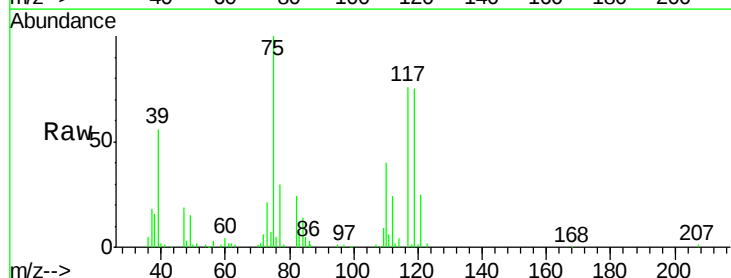
Manual Integrations
 APPROVED

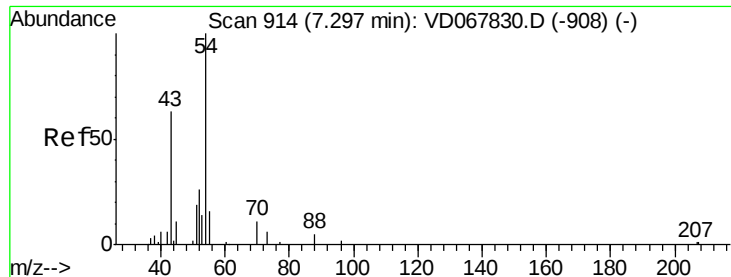
MMDadoda
 12/7/2020 11:30:57 AM



#36
 1,1-Dichloropropene
 Concen: 45.913 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD067887.D
 Acq: 04 Dec 2020 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	125439		
110	41.3	20.3	61.0	
77	31.9	24.7	37.1	





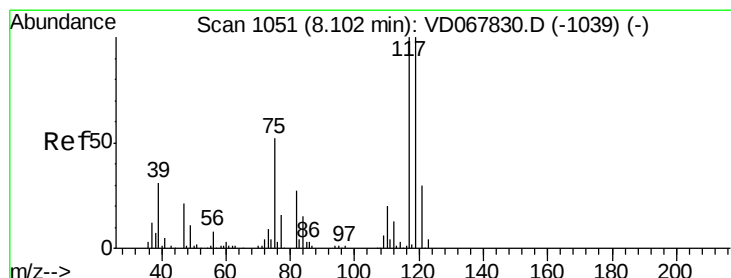
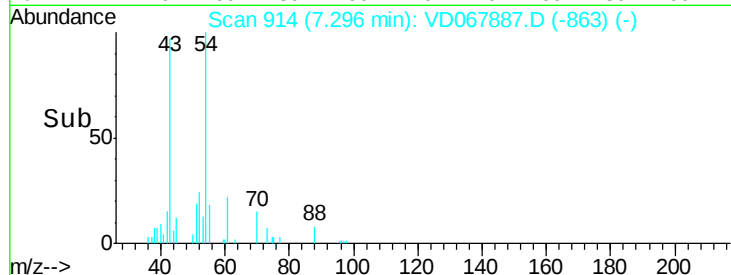
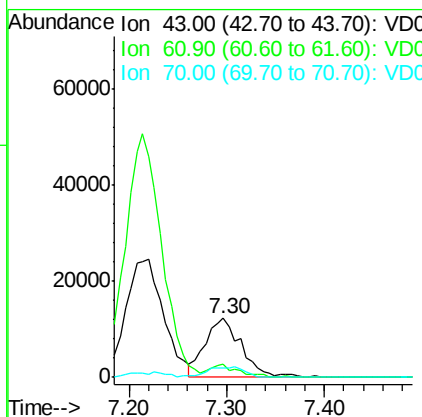
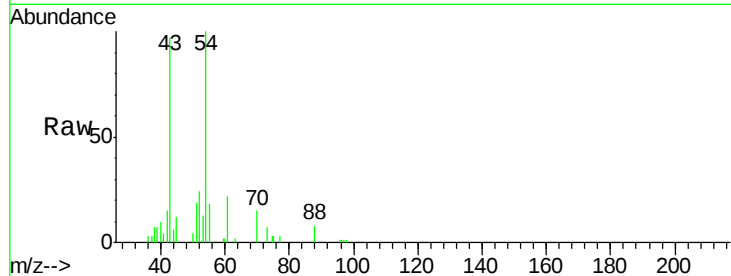
#37
Ethyl Acetate
Concen: 43.545 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.5	11.4	17.2#
70	17.3	11.5	17.3#

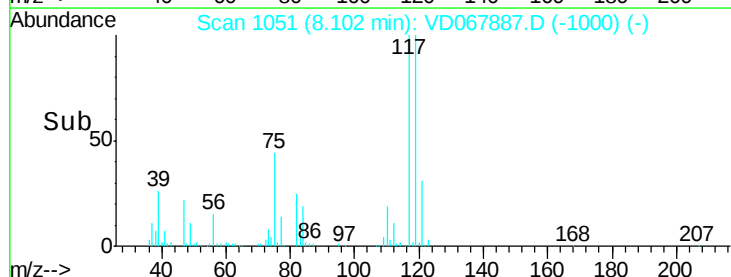
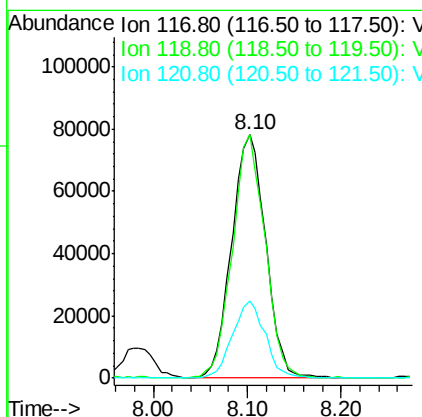
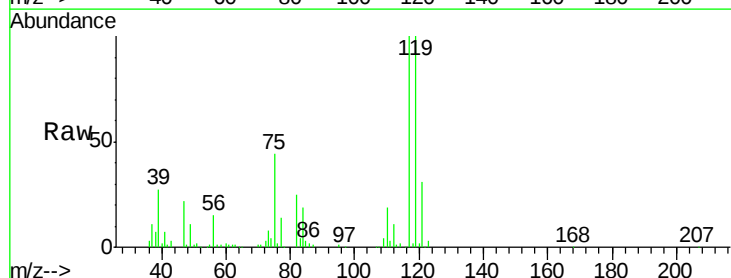
Manual Integrations
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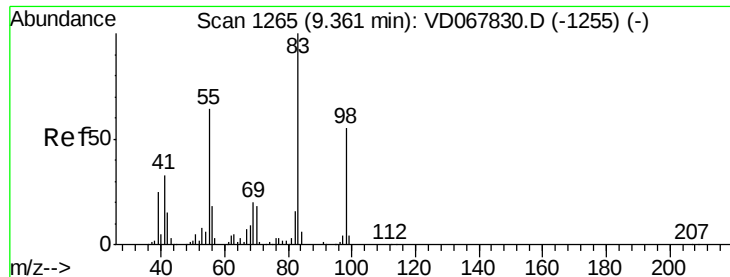
MMDadoda
12/7/2020 11:30:57 AM



#38
Carbon Tetrachloride
Concen: 47.595 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.1	79.7	119.5
121	31.5	23.8	35.6





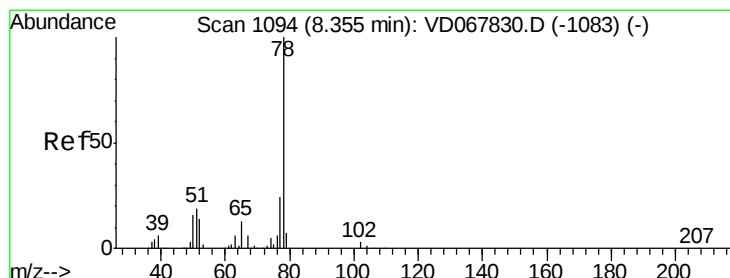
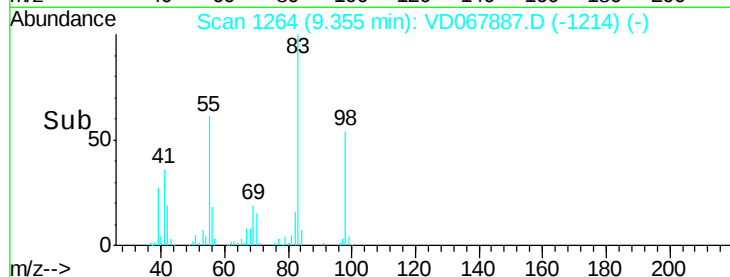
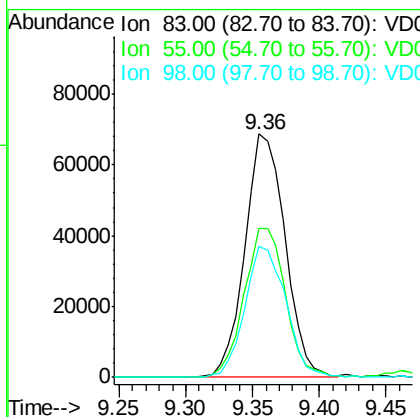
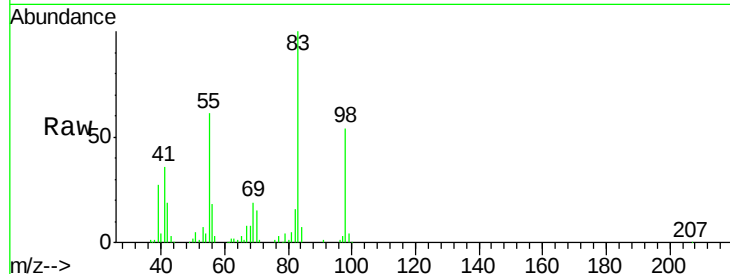
#39
Methvlcvclohexane
Concen: 44.354 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	143602
Ion Ratio	Lower	Upper	
83	100		
55	61.2	51.6	77.4
98	53.6	44.3	66.5

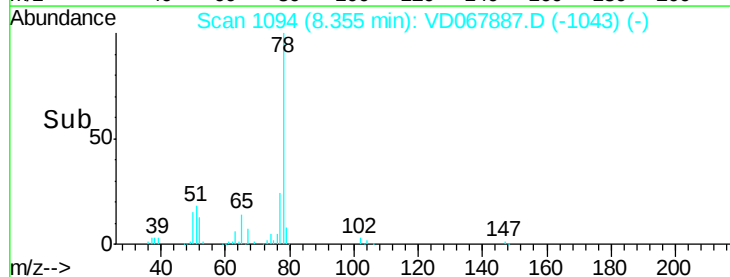
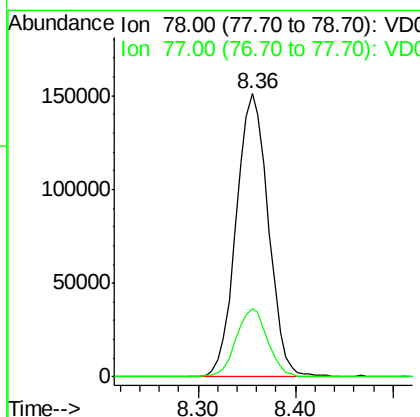
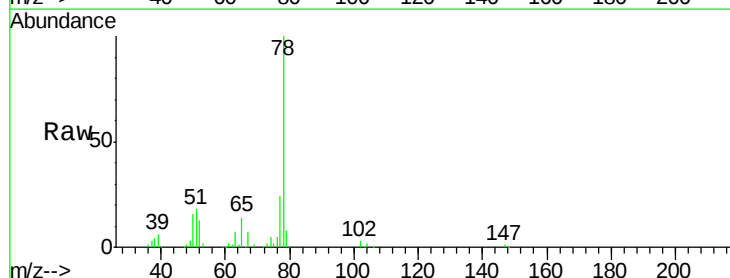
Manual Integrations
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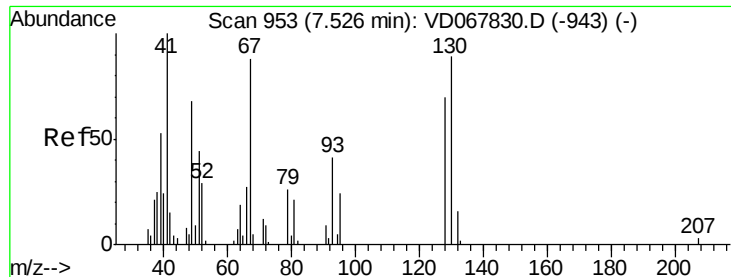
MMDadoda
12/7/2020 11:30:57 AM



#40
Benzene
Concen: 46.222 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion	78	Resp	345546
Ion Ratio	Lower	Upper	
78	100		
77	24.2	19.1	28.7





#41

Methacrylonitrile

Concen: 57.429 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 19849

Ion Ratio Lower Upper

41 100

39 51.8 42.1 63.1

67 91.9 82.4 123.6

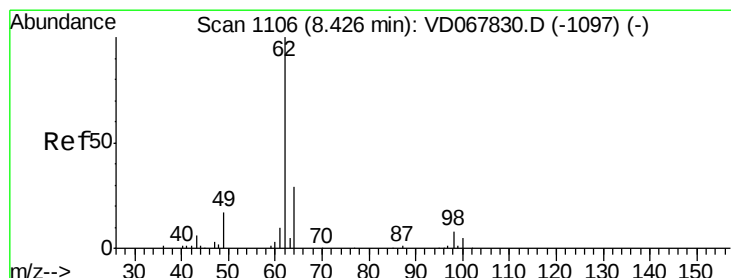
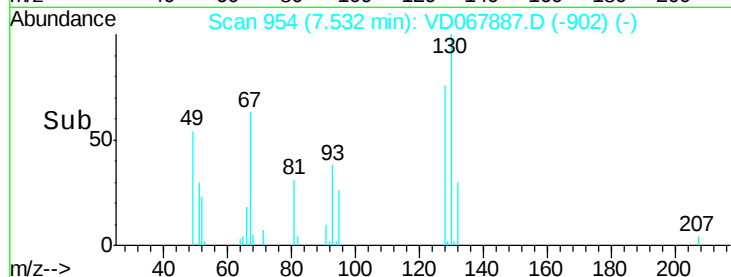
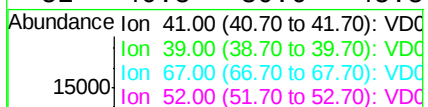
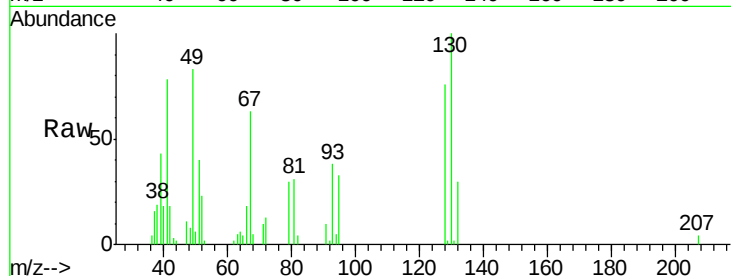
52 40.8 30.6 45.8

Manual Integrations

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MMDadoda

12/7/2020 11:30:57 AM



#42

1,2-Dichloroethane

Concen: 47.185 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD067887.D

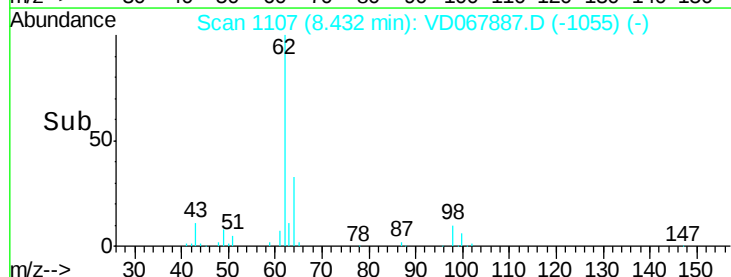
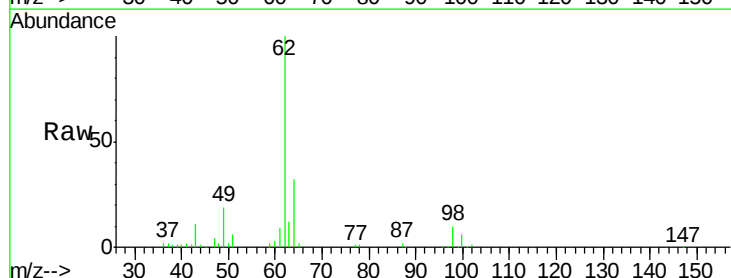
Acq: 04 Dec 2020 15:58

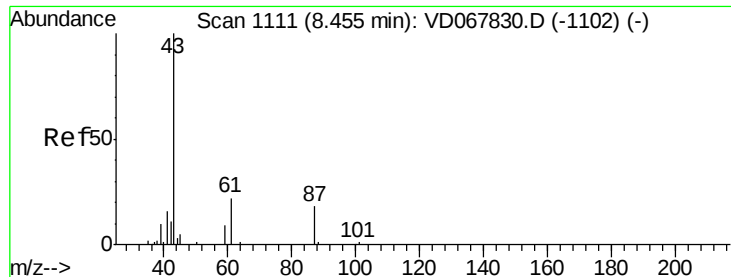
Tgt Ion: 62 Resp: 125719

Ion Ratio Lower Upper

62 100

98 8.6 0.0 17.2





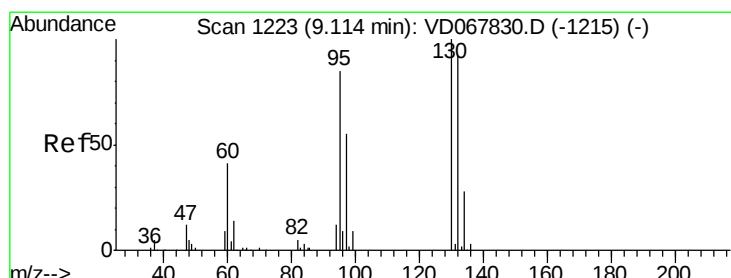
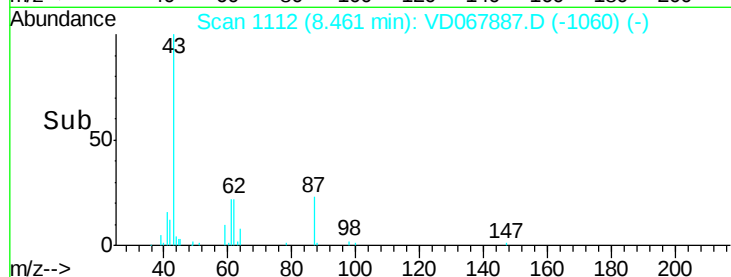
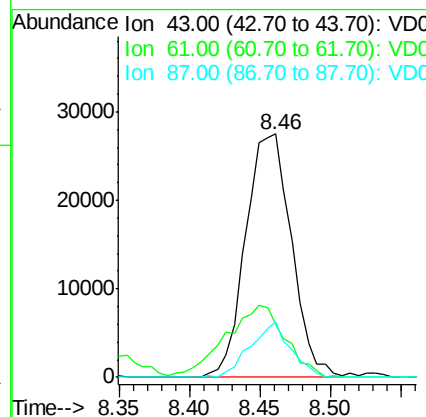
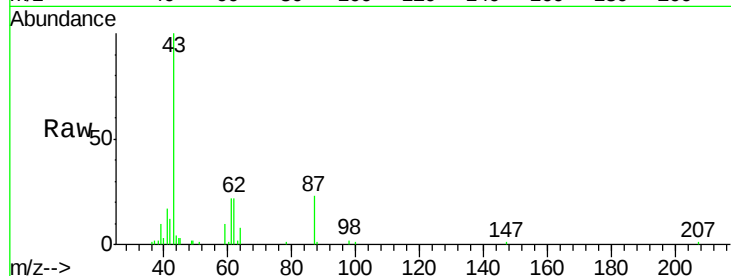
#43
Isopropyl Acetate
Concen: 43.343 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	38.4	30.4	45.6
87	19.9	16.2	24.2

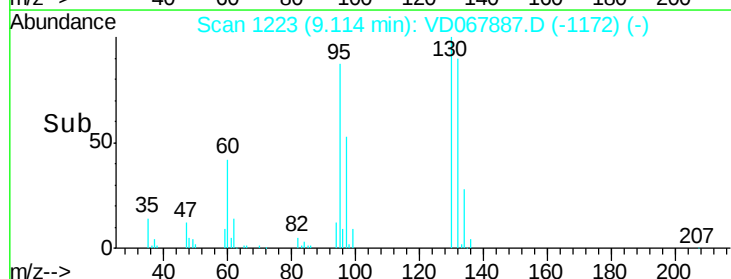
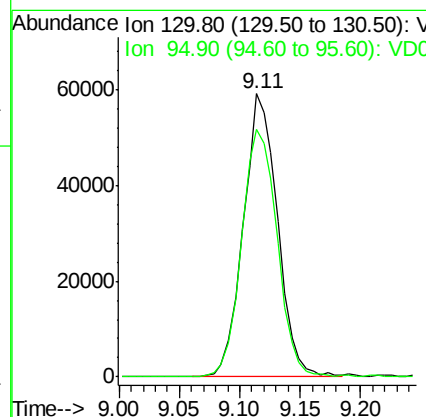
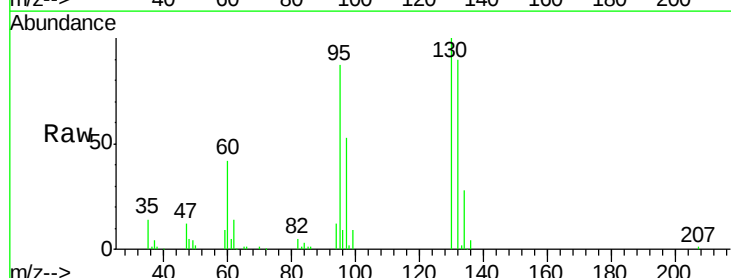
Manual Integrations
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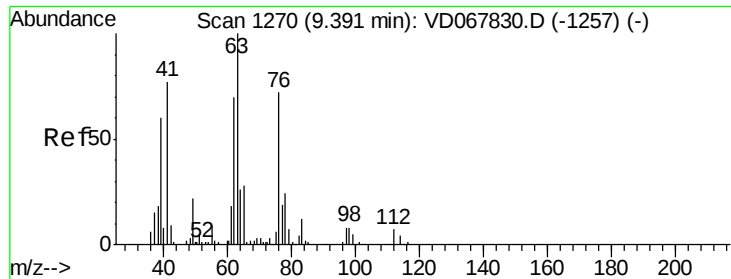
MMDadoda
12/7/2020 11:30:57 AM



#44
Trichloroethene
Concen: 45.427 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.3	0.0	170.2





#45

1,2-Dichloropropane

Concen: 43.199 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 66283

Ion Ratio Lower Upper

63 100

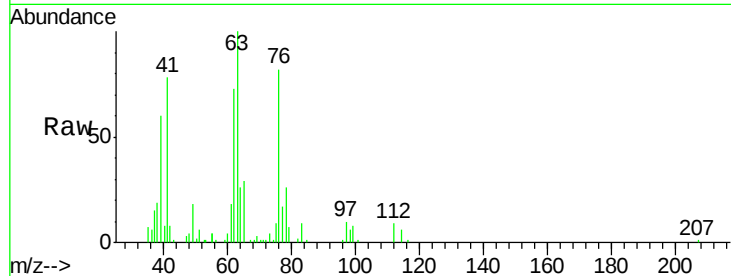
65 29.4 22.8 34.2

Manual Integrations

APPROVED

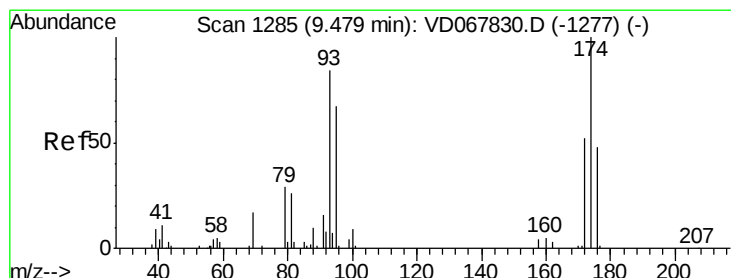
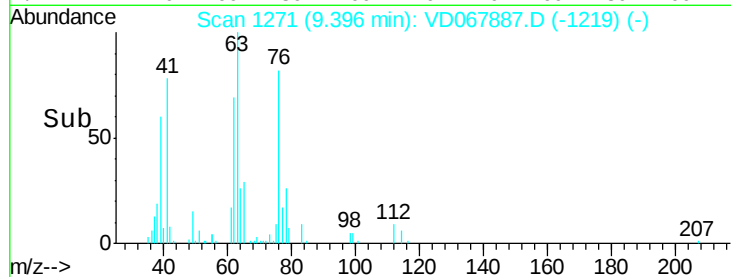
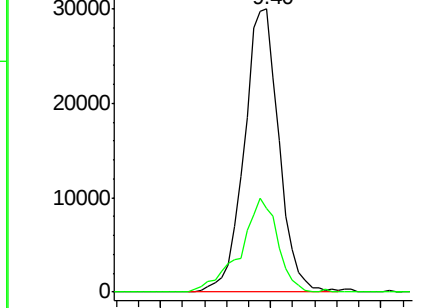
MMDadoda

12/7/2020 11:30:57 AM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 45.432 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

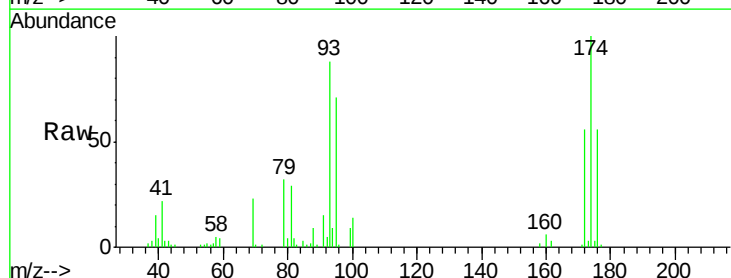
Tgt Ion: 93 Resp: 48467

Ion Ratio Lower Upper

93 100

95 83.9 64.2 96.4

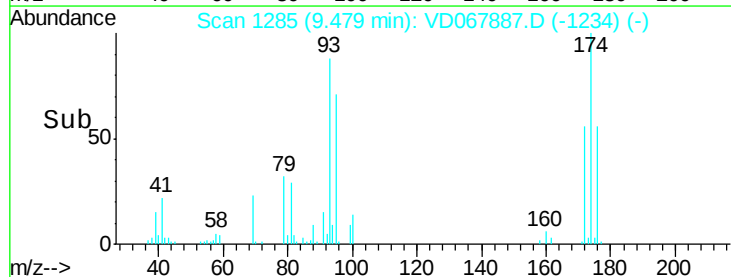
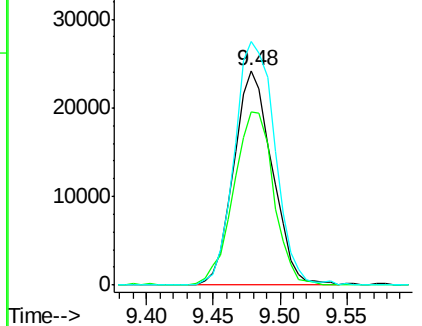
174 119.4 91.5 137.3

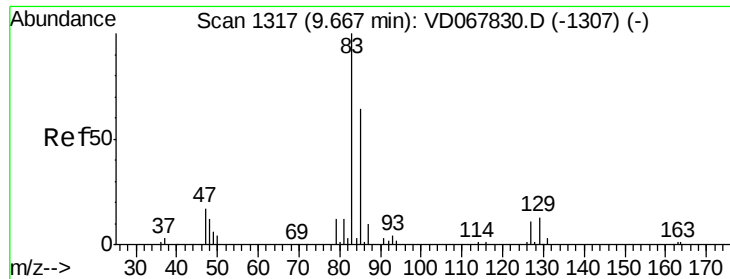


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 46.089 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

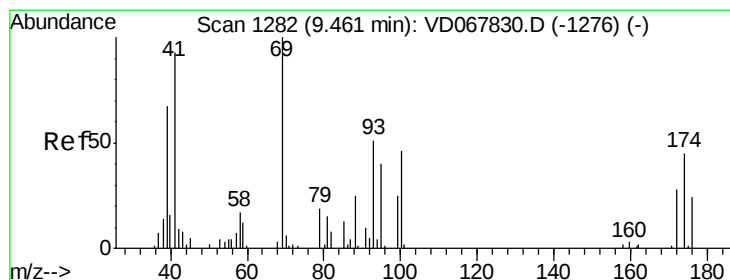
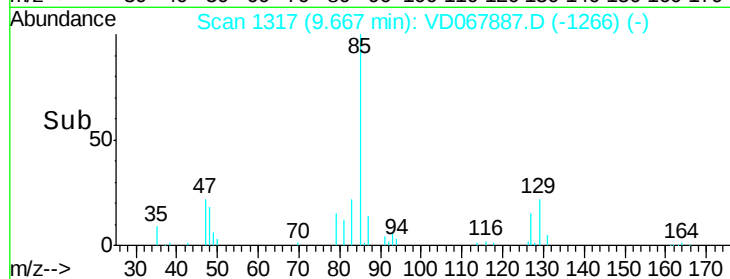
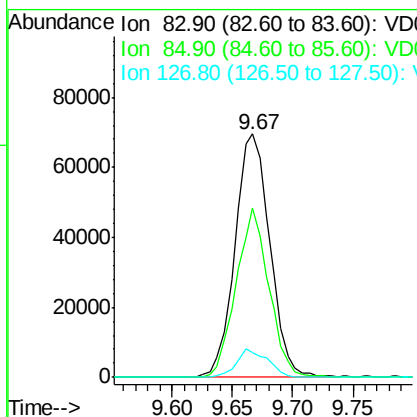
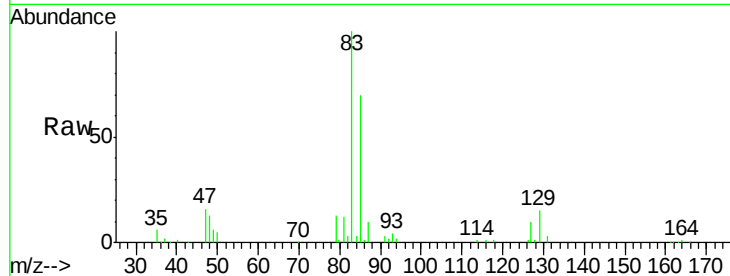
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	140169
Ion Ratio	Lower	Upper	
83	100		
85	69.5	51.4	77.0
127	10.3	8.5	12.7

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#48

Methyl methacrylate

Concen: 42.071 ug/l

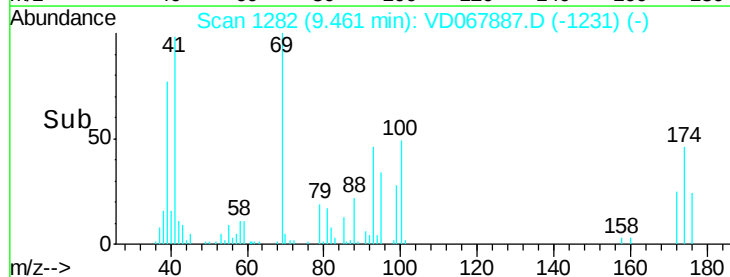
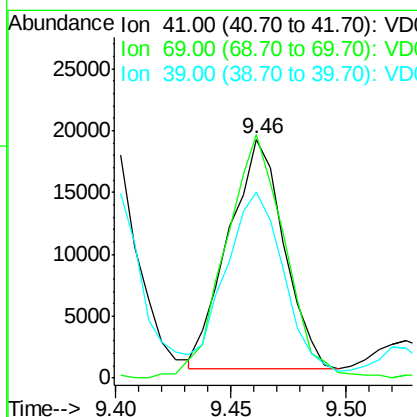
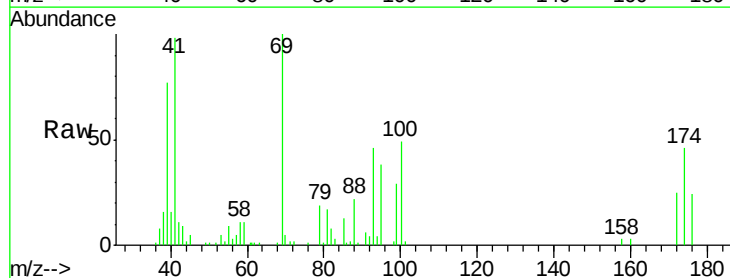
RT: 9.46 min Scan# 1282

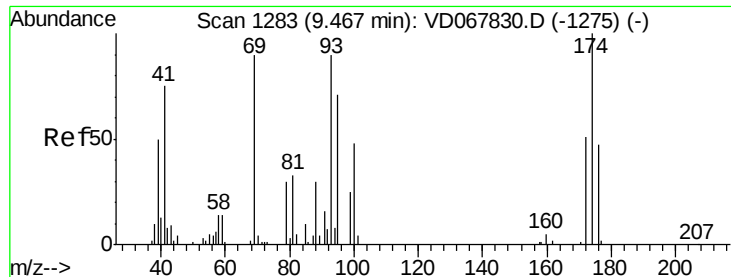
Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Tgt Ion:	41	Resp:	30951
Ion Ratio	Lower	Upper	
41	100		
69	113.1	87.6	131.4
39	81.1	61.2	91.8





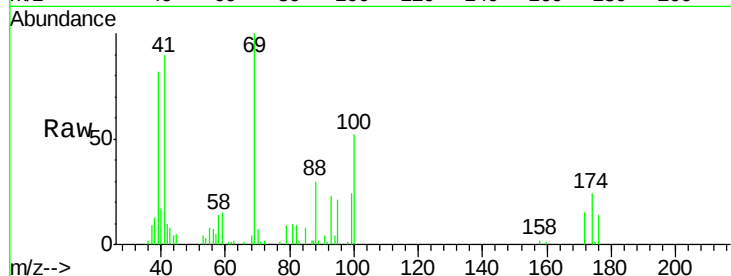
#49
1,4-Dioxane
Concen: 812.642 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	30.1	45.1
58	52.0	42.4	63.6

Manual Integrations
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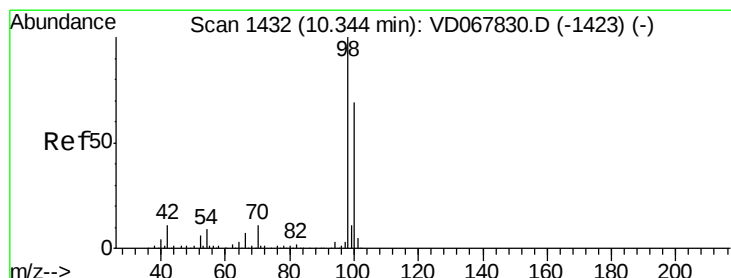
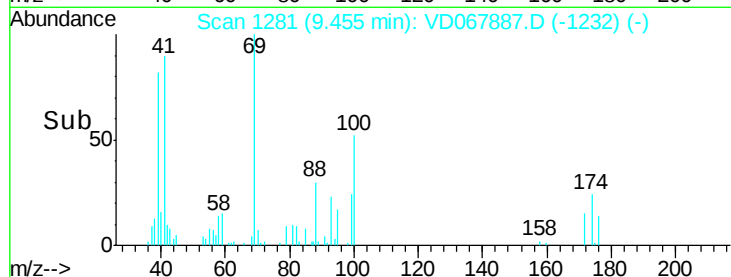
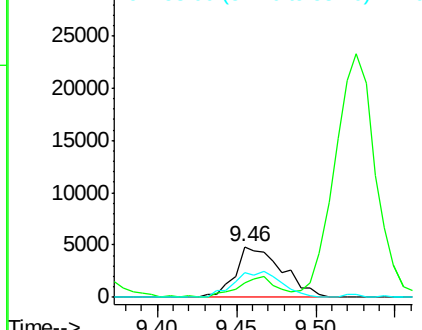


Abundance

Ion 88.00 (87.70 to 88.70): VDC

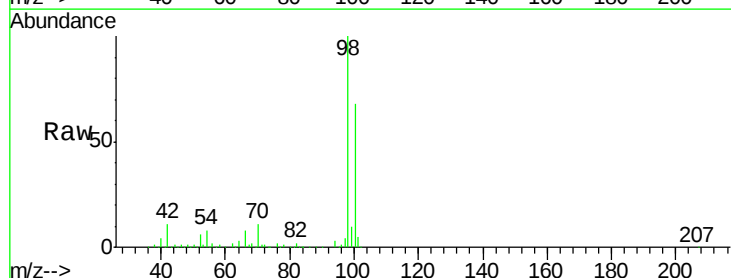
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 48.513 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

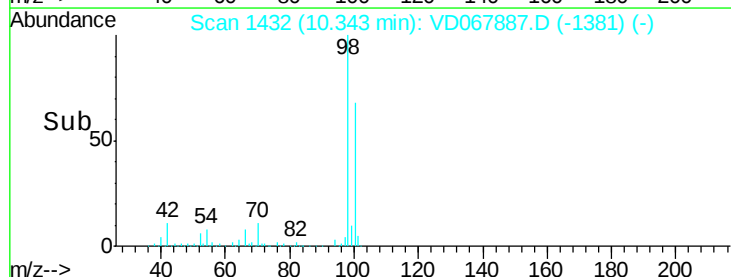
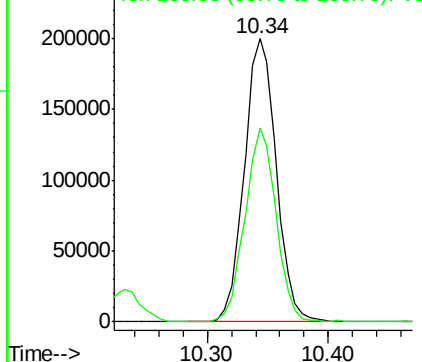
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.9	79.3

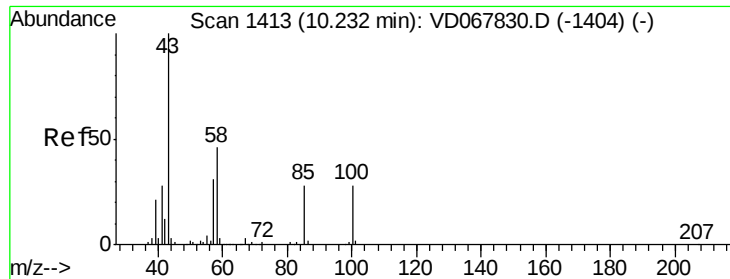


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





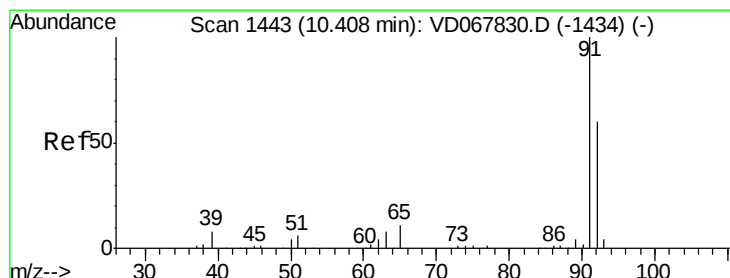
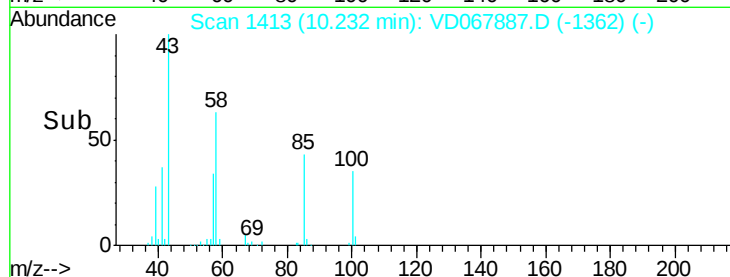
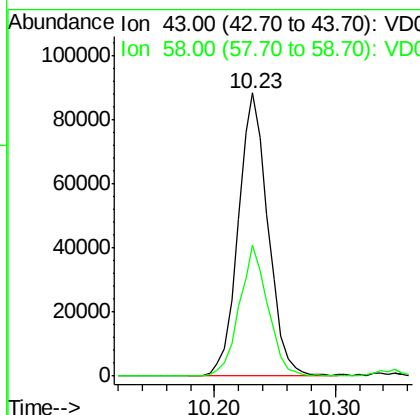
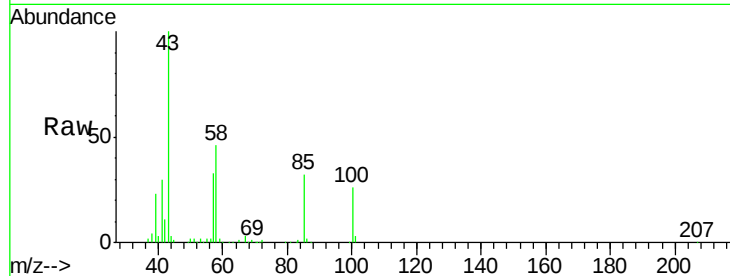
#51
4-Methyl-2-Pentanone
Concen: 221.196 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 151678
Ion Ratio Lower Upper
43 100
58 44.5 35.7 53.5

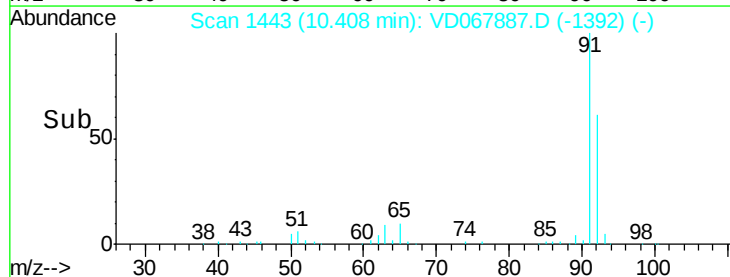
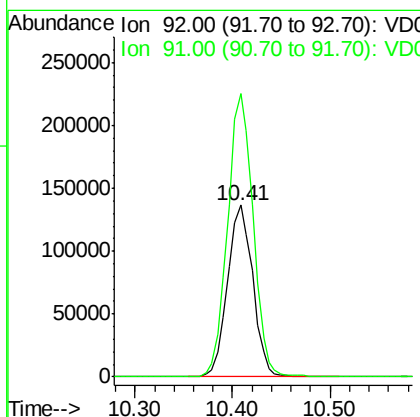
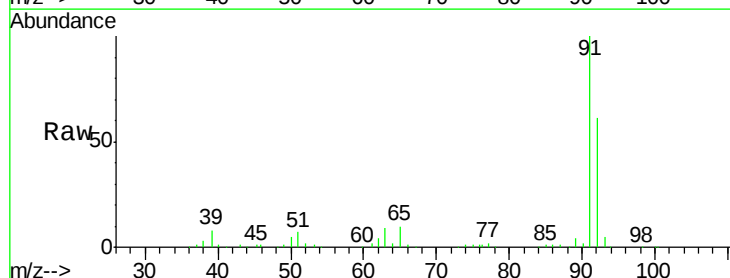
Manual Integrations
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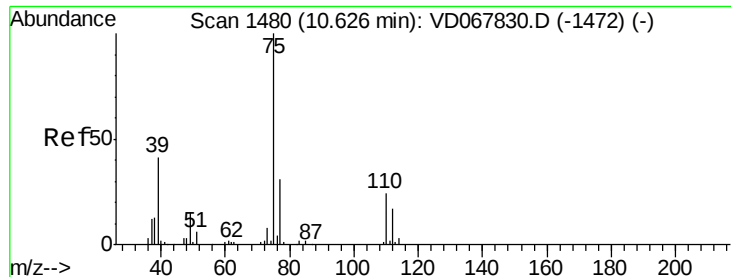
MMDadoda
12/7/2020 11:30:57 AM



#52
Toluene
Concen: 46.967 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion: 92 Resp: 245481
Ion Ratio Lower Upper
92 100
91 166.8 134.2 201.2





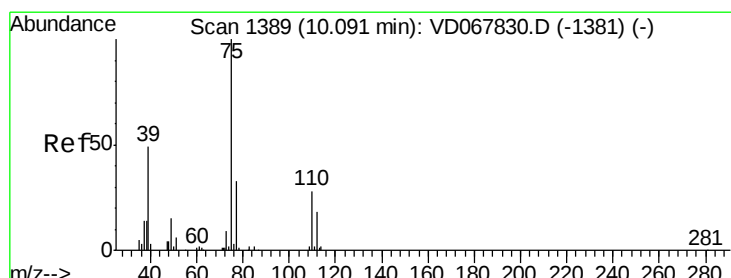
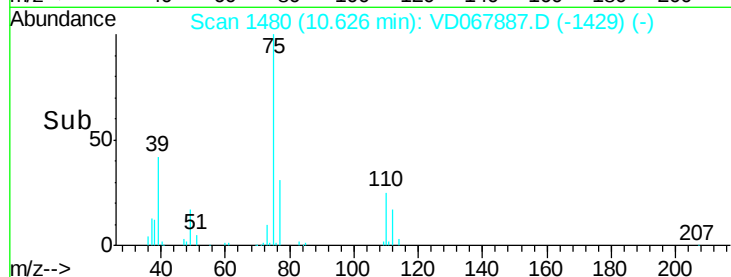
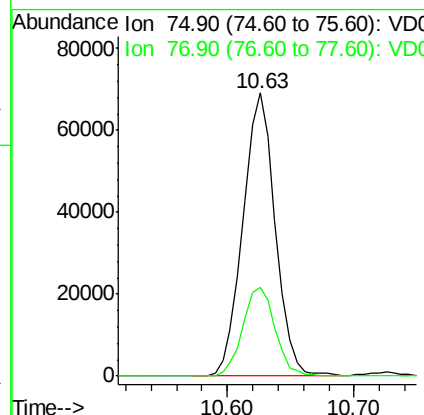
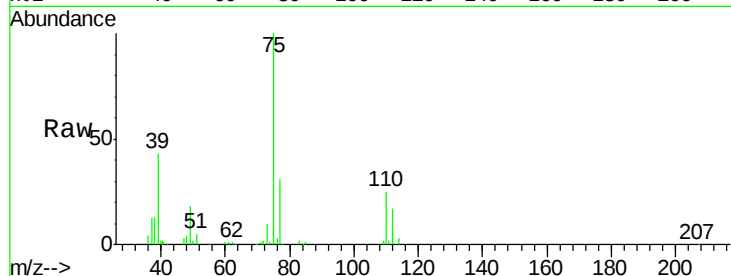
#53
t-1,3-Dichloropropene
Concen: 46.600 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.4

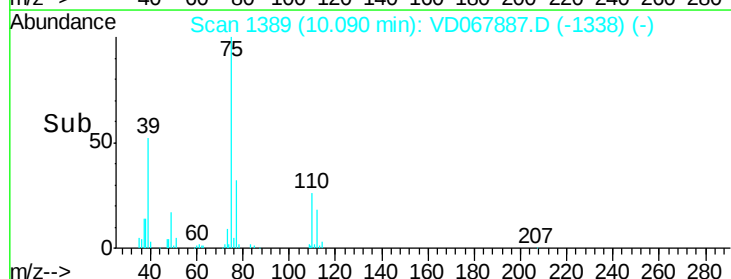
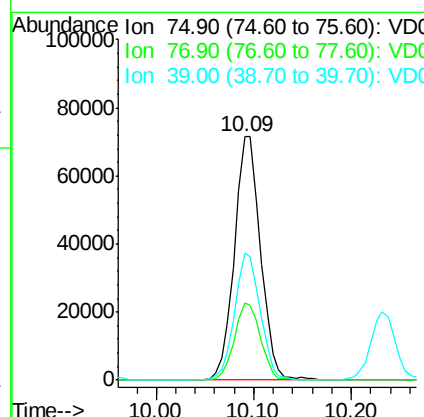
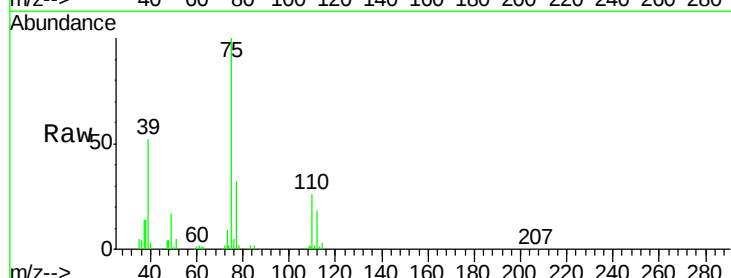
Manual Integrations
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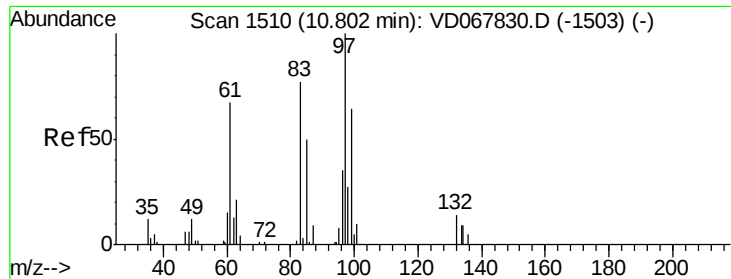
MMDadoda
12/7/2020 11:30:57 AM



#54
cis-1,3-Dichloropropene
Concen: 46.694 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.2	39.2
39	52.4	39.0	58.4





#55

1,1,2-Trichloroethane

Concen: 44.920 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

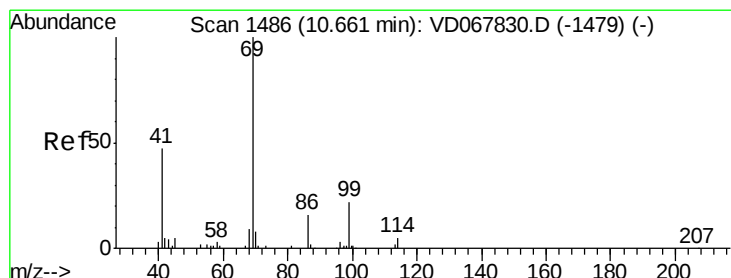
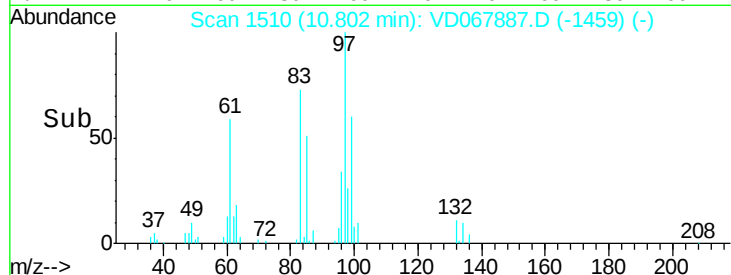
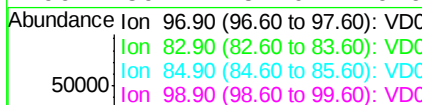
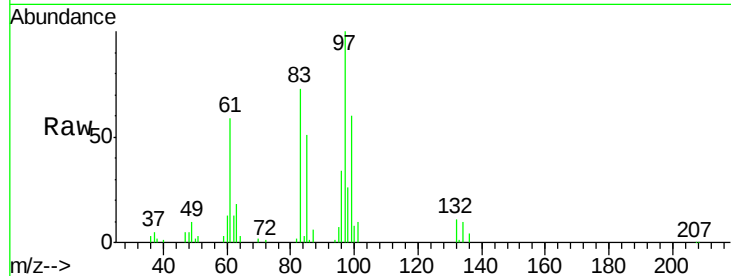
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	65581
Ion	Ratio	Lower	Upper
97	100		
83	73.2	61.9	92.9
85	50.9	40.2	60.4
99	59.7	51.0	76.6

Manual Integrations
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12/7/2020 11:30:57 AM



#56

Ethyl methacrylate

Concen: 45.207 ug/l

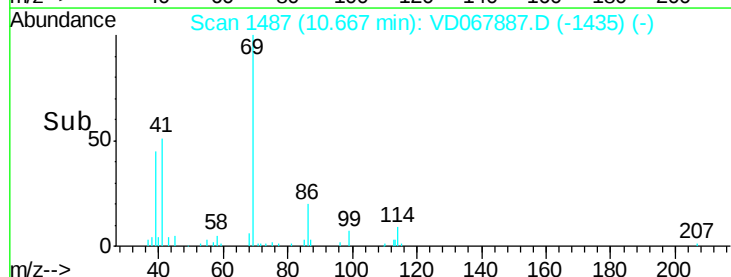
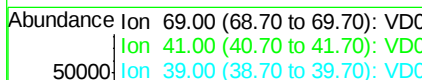
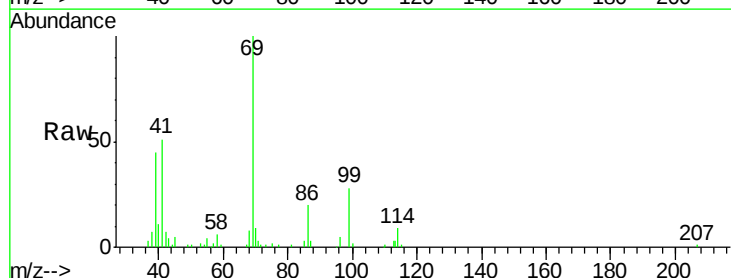
RT: 10.67 min Scan# 1487

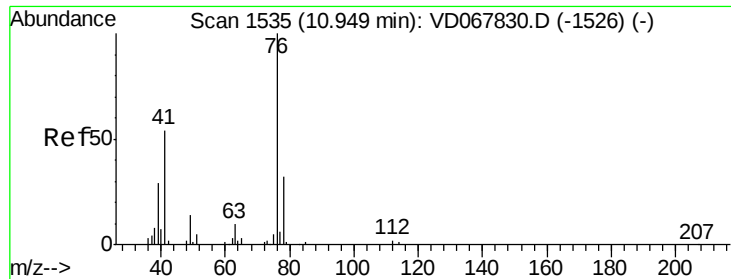
Delta R.T. 0.01 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Tgt Ion:	69	Resp:	67150
Ion	Ratio	Lower	Upper
69	100		
41	53.7	42.8	64.2
39	42.4	30.5	45.7





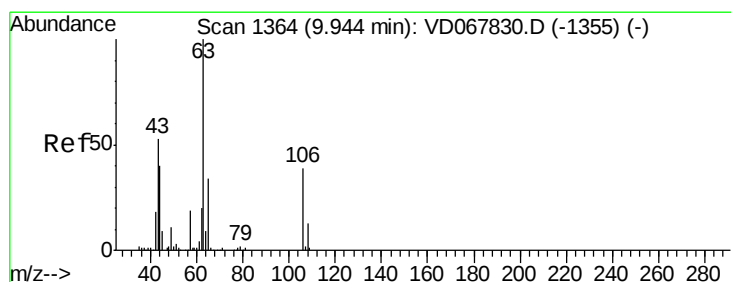
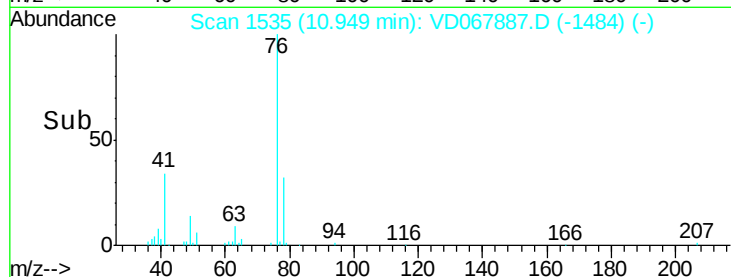
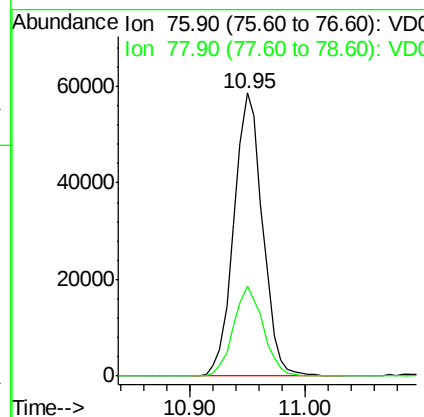
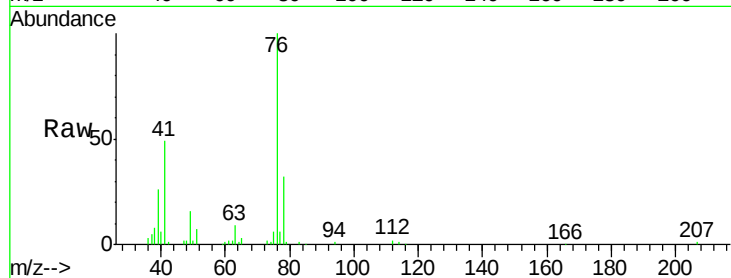
#57
 1,3-Dichloropropane
 Concen: 43.751 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD067887.D
 Acq: 04 Dec 2020 15:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 101178
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.6 39.8

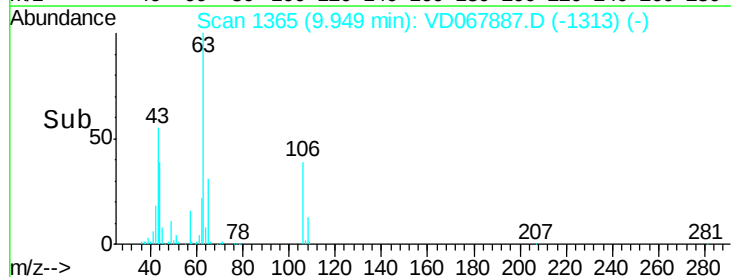
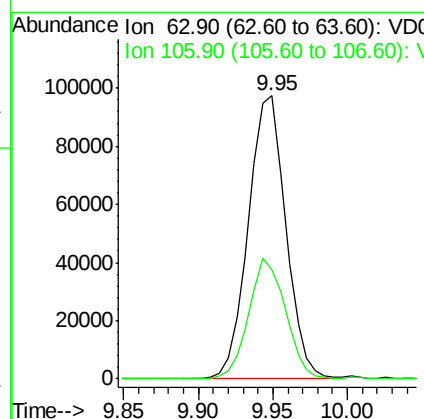
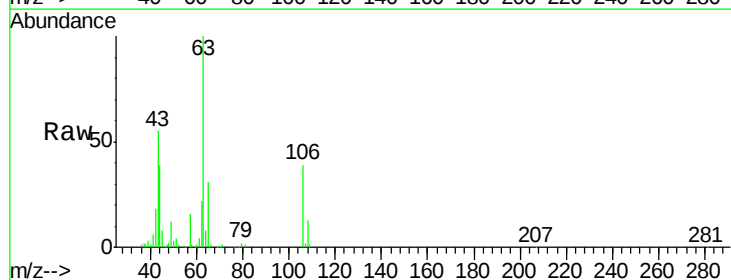
Manual Integrations
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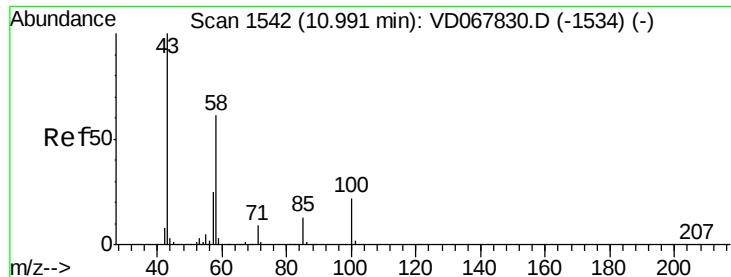
MMDadoda
 12/7/2020 11:30:57 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.613 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD067887.D
 Acq: 04 Dec 2020 15:58

Tgt Ion: 63 Resp: 169392
 Ion Ratio Lower Upper
 63 100
 106 42.0 32.0 48.0





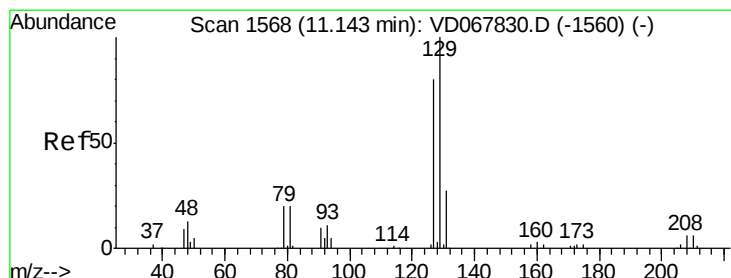
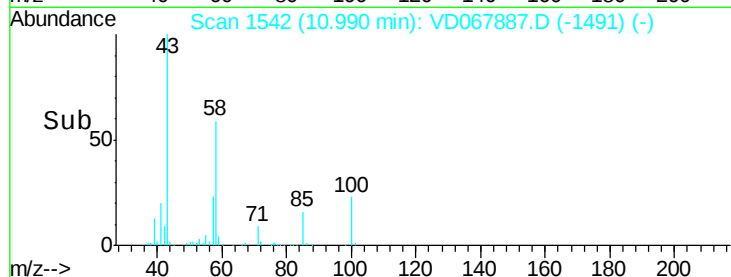
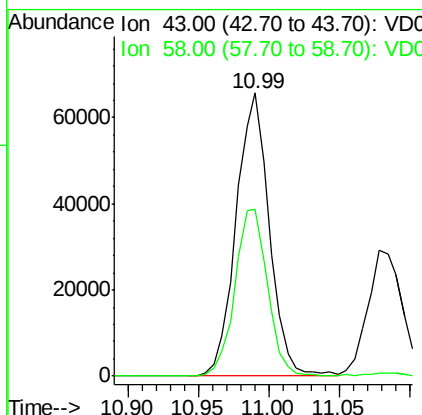
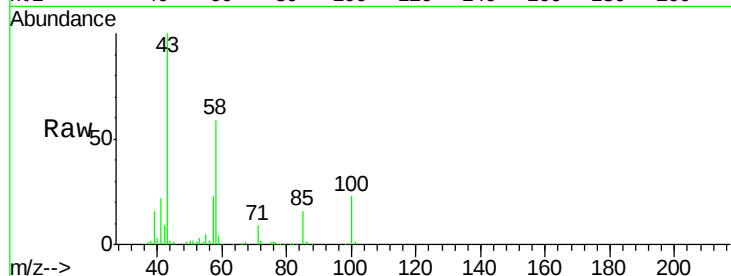
#59
2-Hexanone
Concen: 223.795 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 108181
Ion Ratio Lower Upper
43 100
58 57.6 29.9 89.7

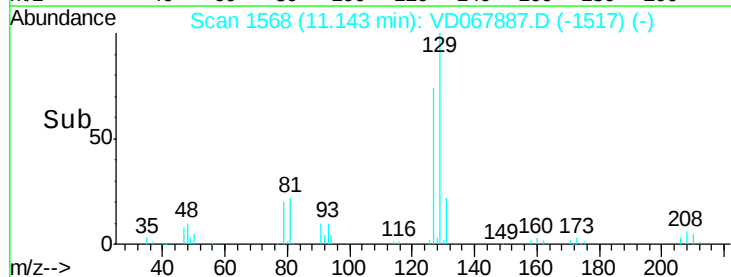
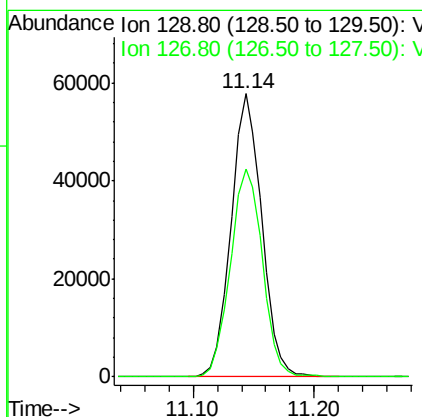
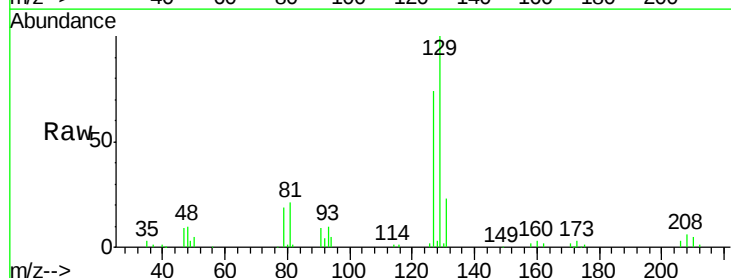
Manual Integrations
APPROVED

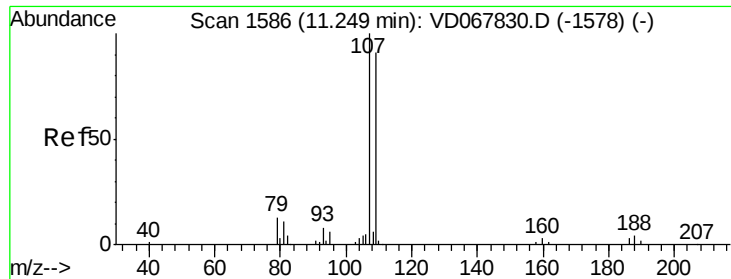
MMDadoda
12/7/2020 11:30:57 AM



#60
Dibromochloromethane
Concen: 46.444 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion: 129 Resp: 102210
Ion Ratio Lower Upper
129 100
127 76.5 39.2 117.6





#61

1,2-Dibromoethane

Concen: 43.233 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 62069

Ion Ratio Lower Upper

107 100

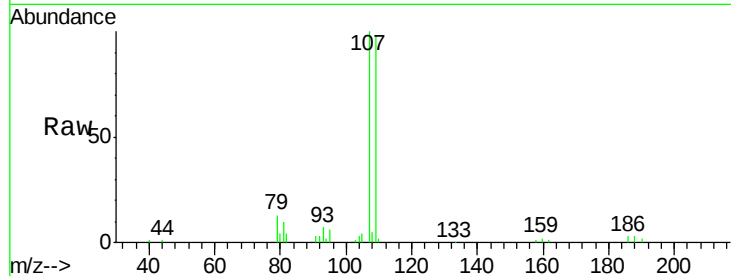
109 95.3 75.9 113.9

Manual Integrations

APPROVED

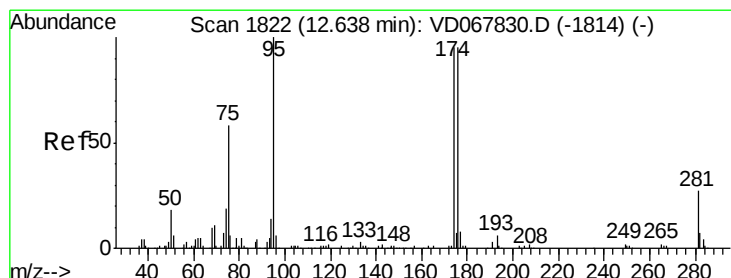
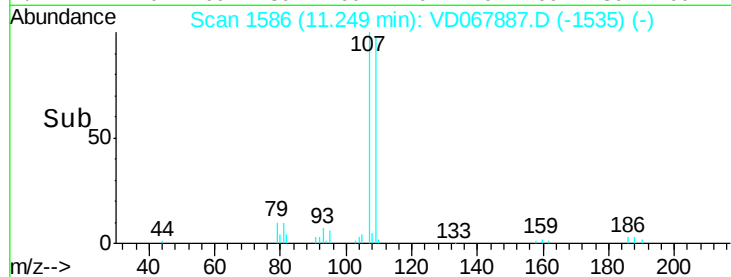
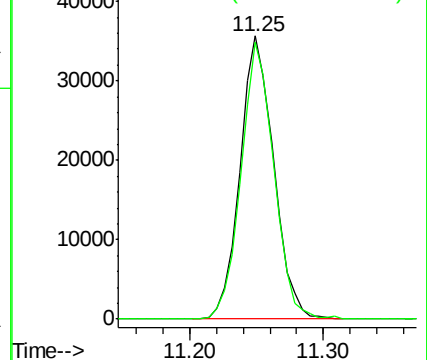
MMDadoda

12/7/2020 11:30:57 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.766 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

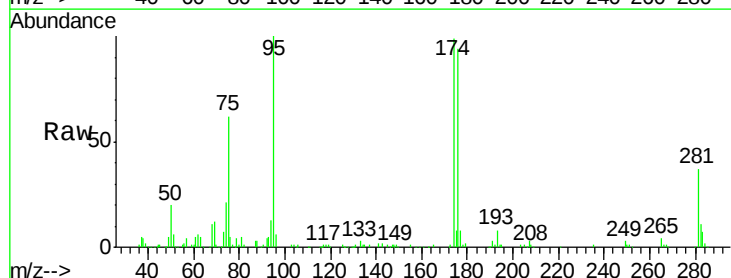
Tgt Ion: 95 Resp: 133426

Ion Ratio Lower Upper

95 100

174 94.4 0.0 186.0

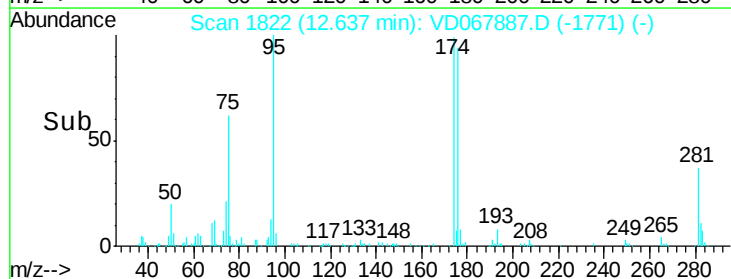
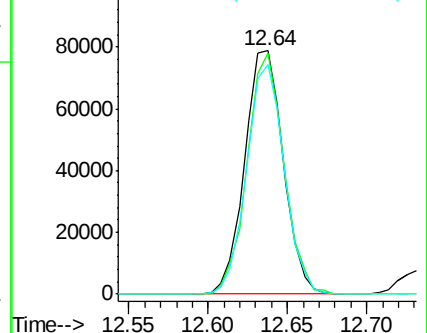
176 91.8 0.0 184.2

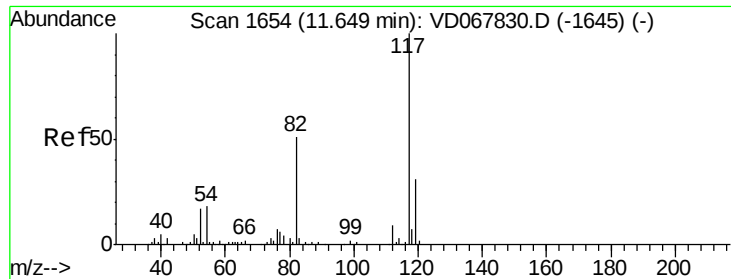


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





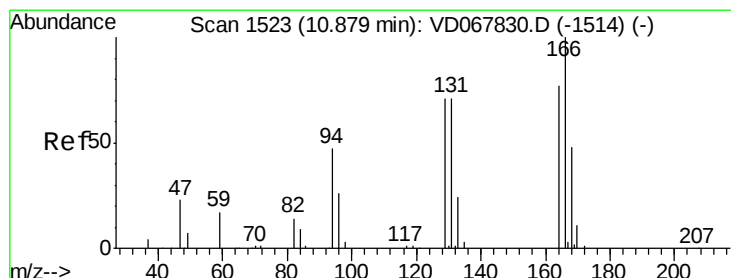
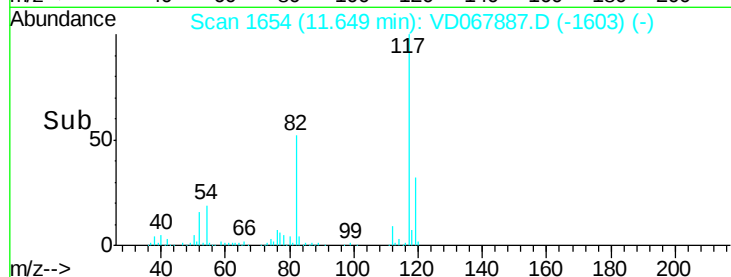
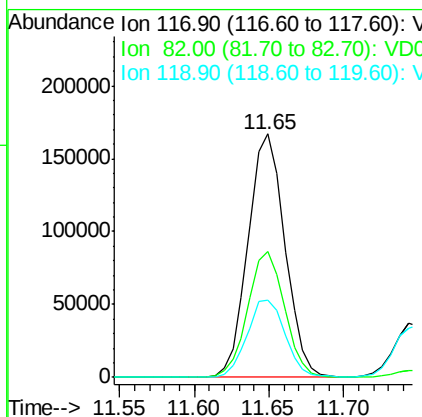
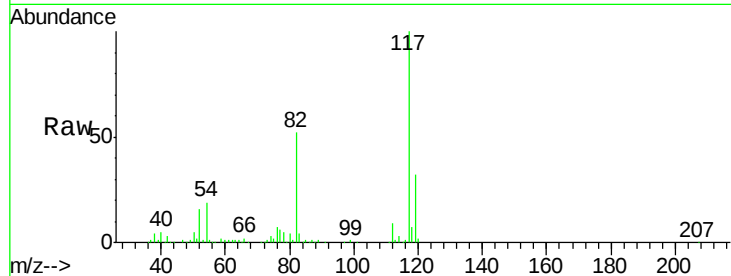
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	285730		
82	51.9		40.6	60.8
119	31.7		25.1	37.7

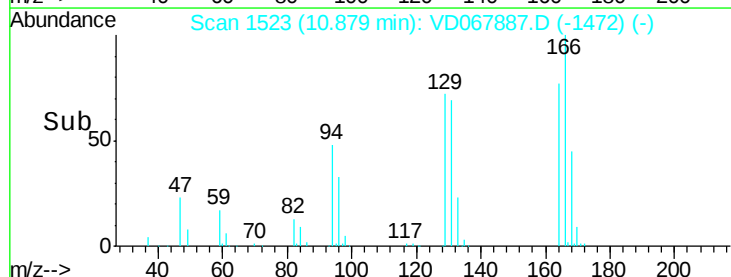
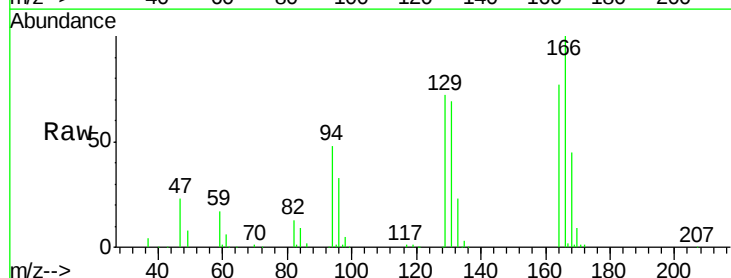
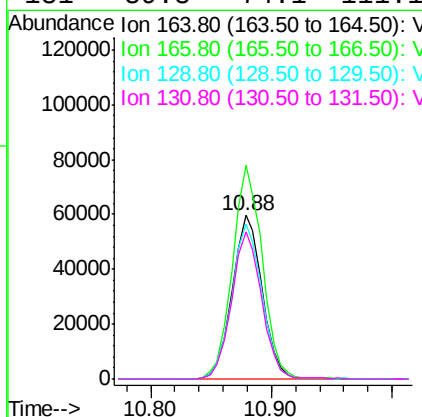
Manual Integrations
APPROVED

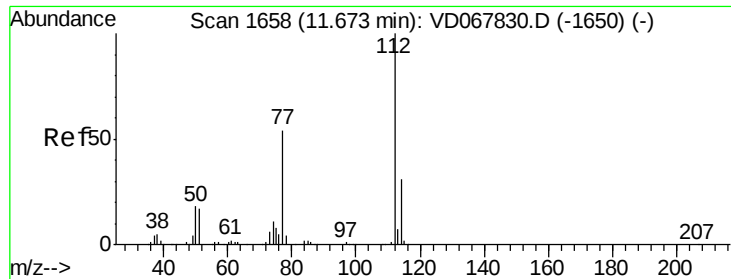
MMDadoda
12/7/2020 11:30:57 AM



#64
Tetrachloroethene
Concen: 44.411 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	103507		
166	130.5		103.8	155.6
129	94.3		73.3	109.9
131	89.8		74.1	111.1





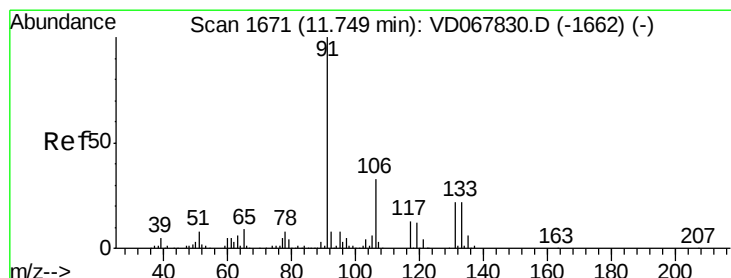
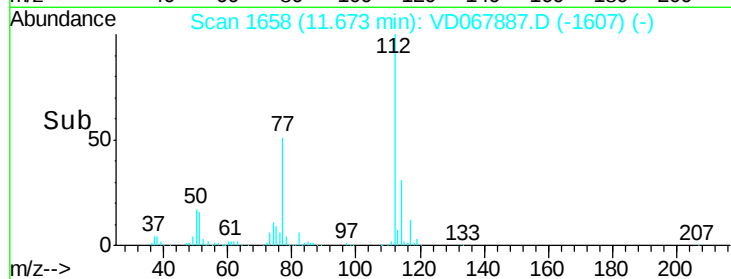
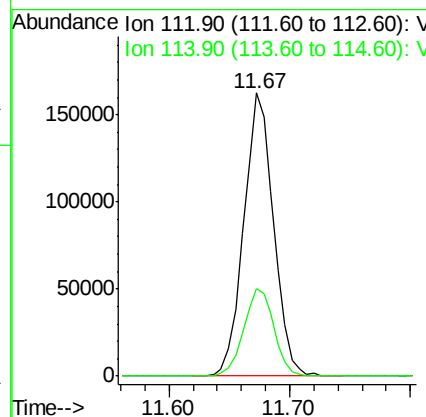
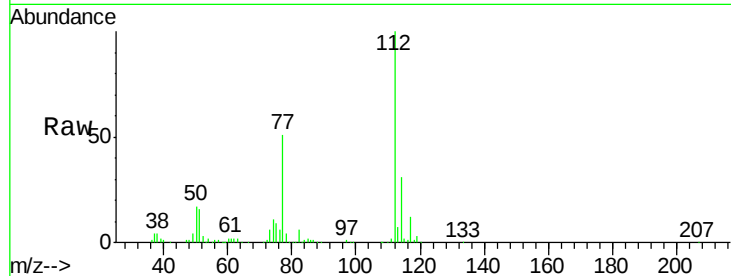
#65
Chlorobenzene
Concen: 47.257 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.0	37.4

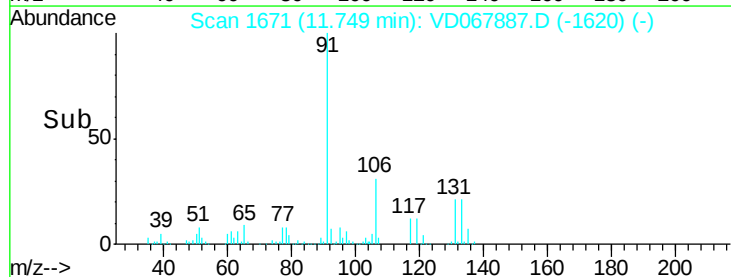
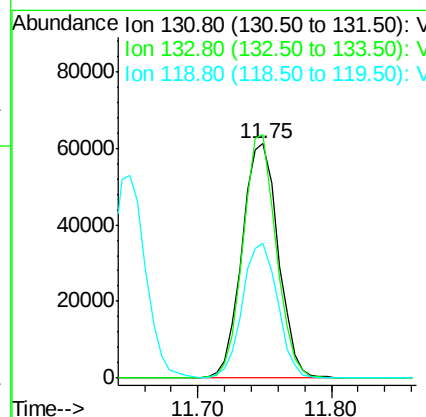
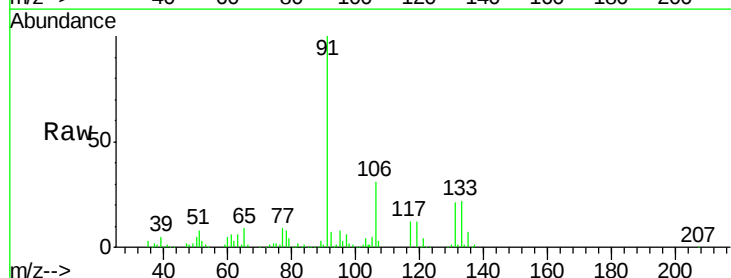
Manual Integrations
APPROVED

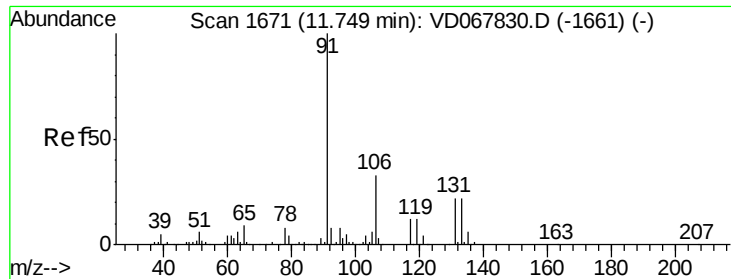
MMDadoda
12/7/2020 11:30:57 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.705 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	49.9	149.7
119	55.9	29.6	88.9





#67

Ethyl Benzene

Concen: 47.771 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 479784

Ion Ratio Lower Upper

91 100

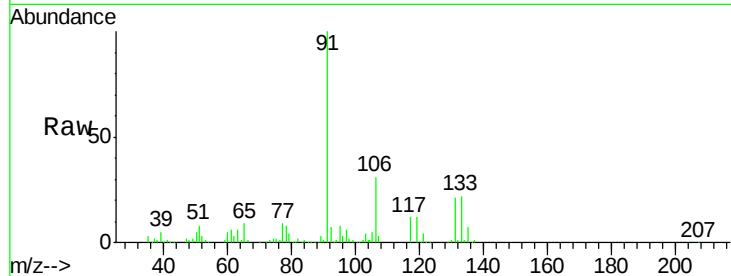
106 30.8 26.2 39.2

Manual Integrations

APPROVED

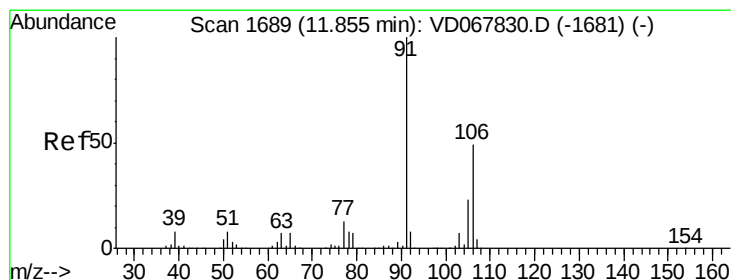
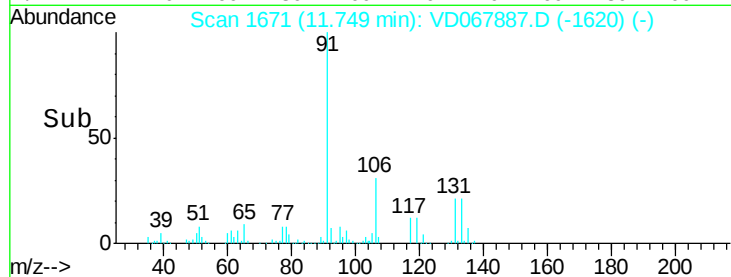
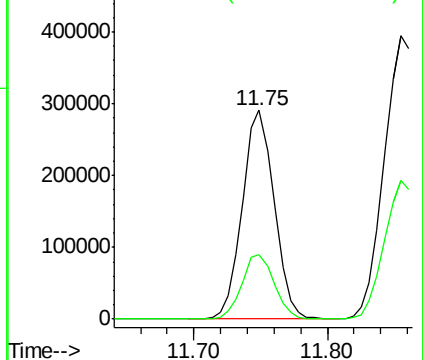
MMDadoda

12/7/2020 11:30:57 AM



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 93.038 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD067887.D

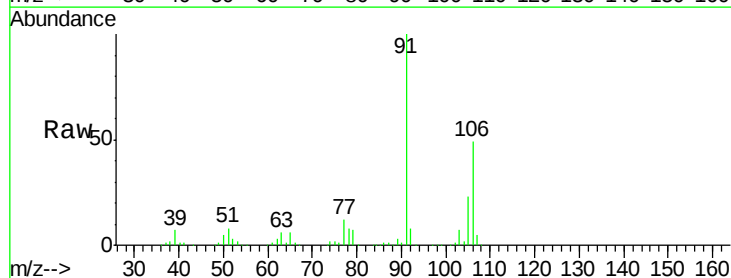
Acq: 04 Dec 2020 15:58

Tgt Ion: 106 Resp: 368446

Ion Ratio Lower Upper

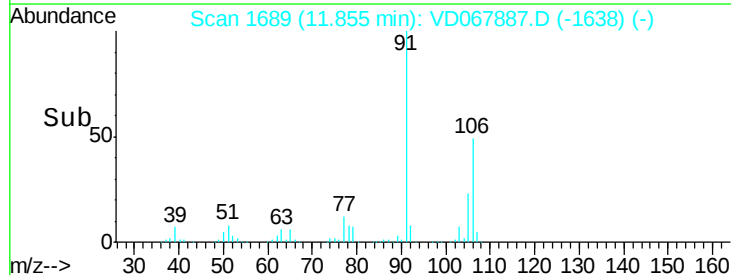
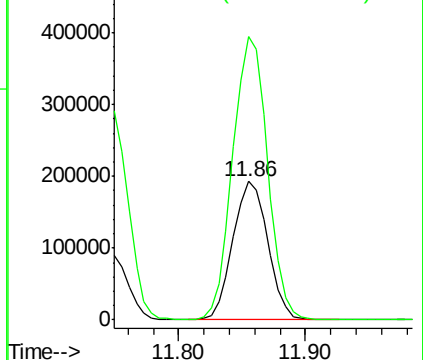
106 100

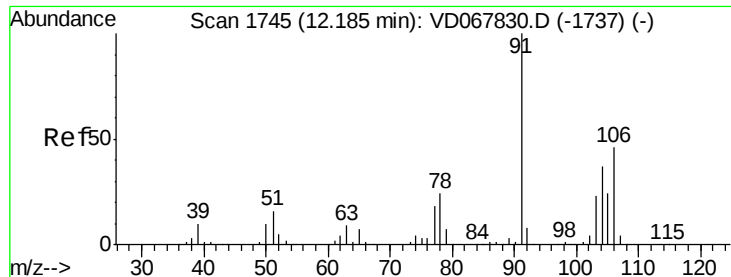
91 204.3 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





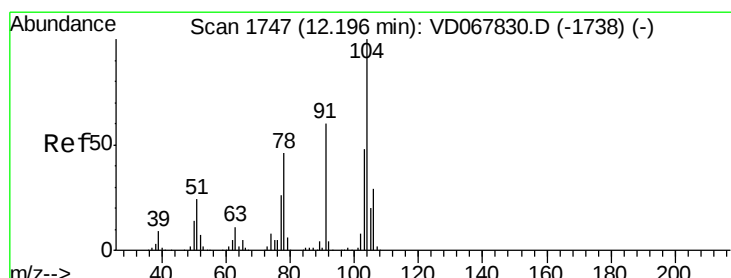
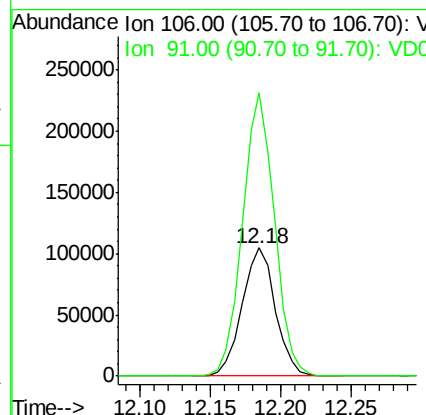
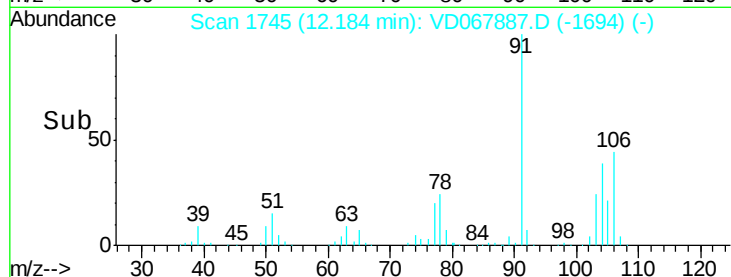
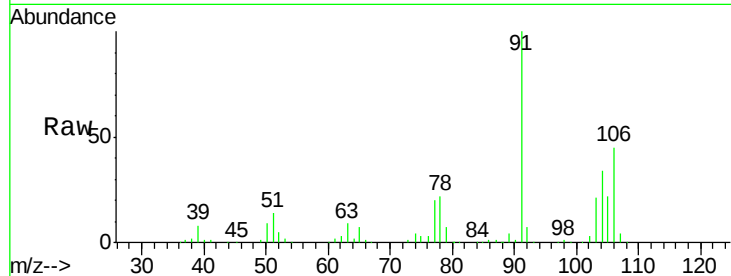
#69
o-Xylene
Concen: 49.184 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion:106 Resp: 172917
Ion Ratio Lower Upper
106 100
91 211.2 107.5 322.5

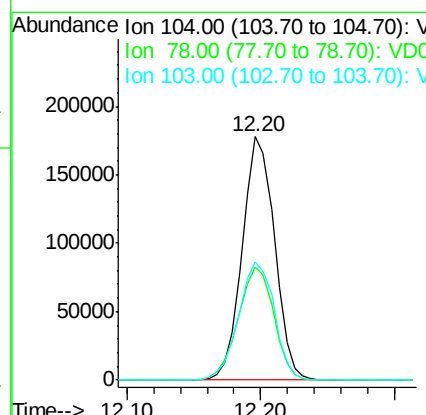
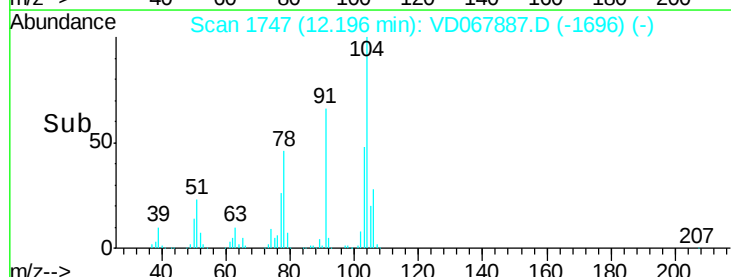
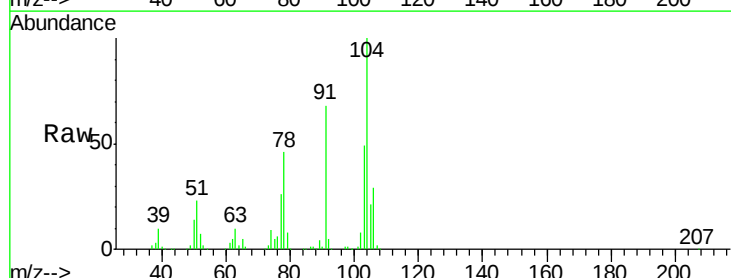
Manual Integrations
APPROVED

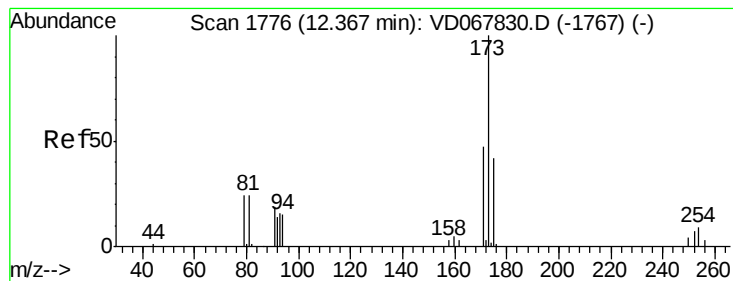
MMDadoda
12/7/2020 11:30:57 AM



#70
Styrene
Concen: 48.799 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion:104 Resp: 298326
Ion Ratio Lower Upper
104 100
78 51.3 41.6 62.4
103 53.7 43.2 64.8





#71

Bromoform

Concen: 46.581 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 59292

Ion Ratio Lower Upper

173 100

175 50.0 23.4 70.3

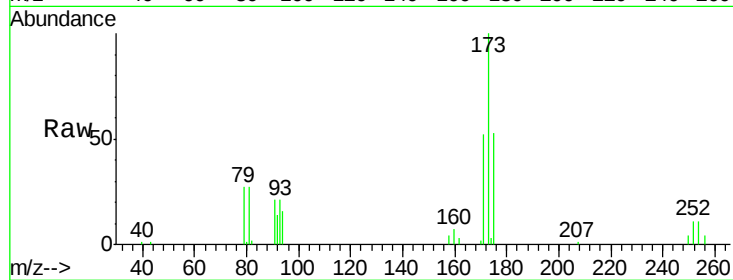
254 0.0 0.1 0.1#

Manual Integrations

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MMDadoda

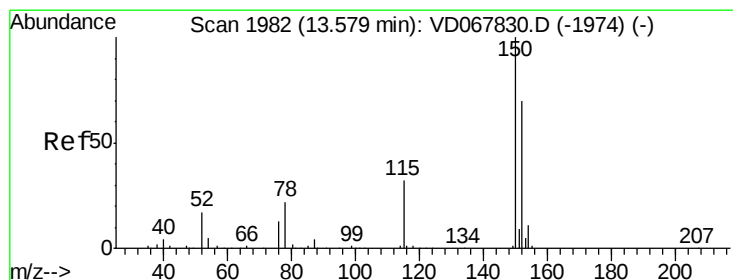
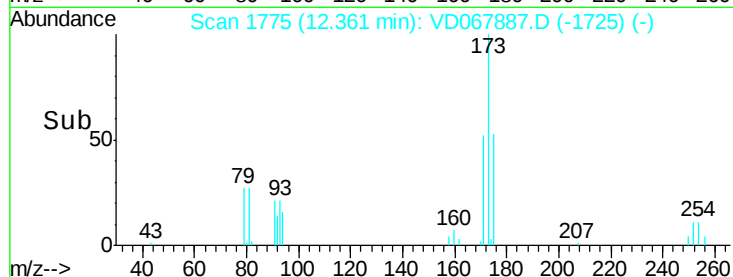
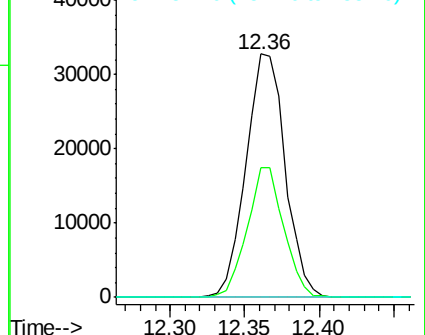
12/7/2020 11:30:57 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

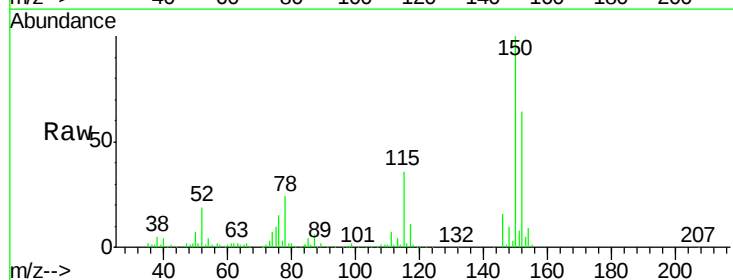
Tgt Ion:152 Resp: 150727

Ion Ratio Lower Upper

152 100

115 58.4 29.1 87.4

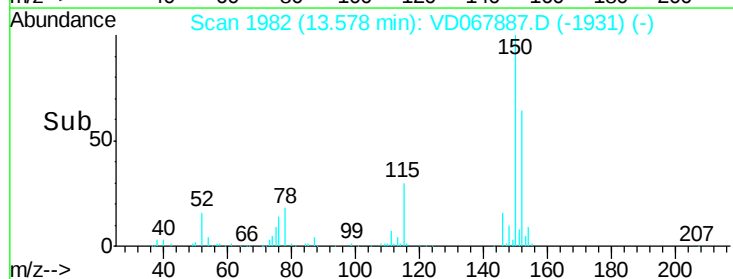
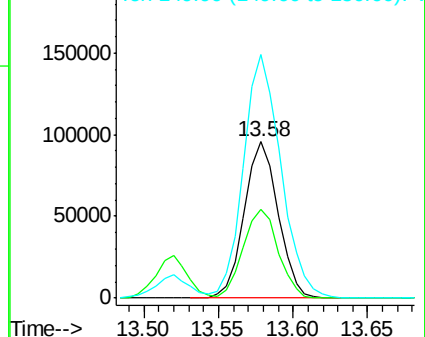
150 171.6 0.0 339.0

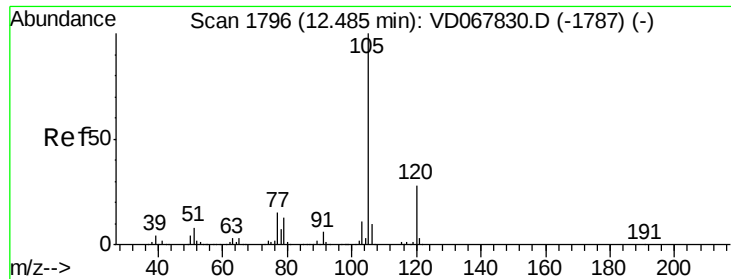


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.721 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 484280

Ion Ratio Lower Upper

105 100

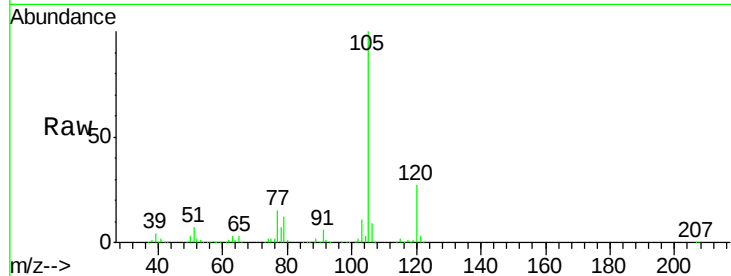
120 26.2 13.9 41.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

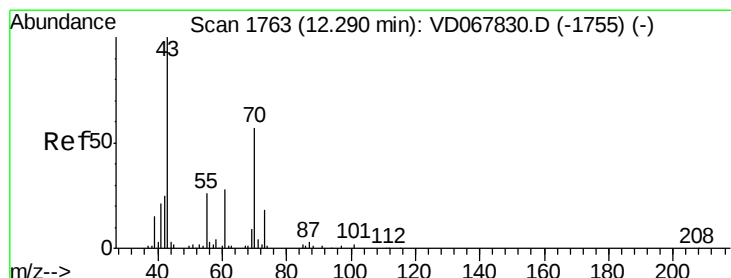
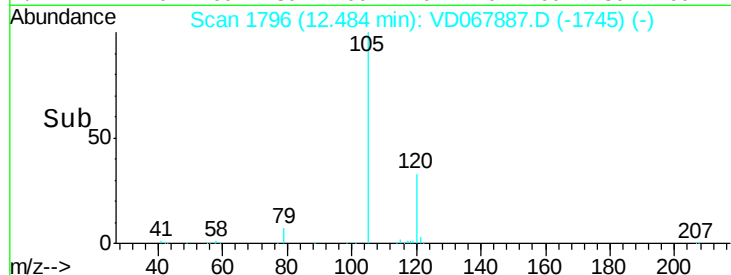
200000

100000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 43.629 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Tgt Ion: 43 Resp: 55939

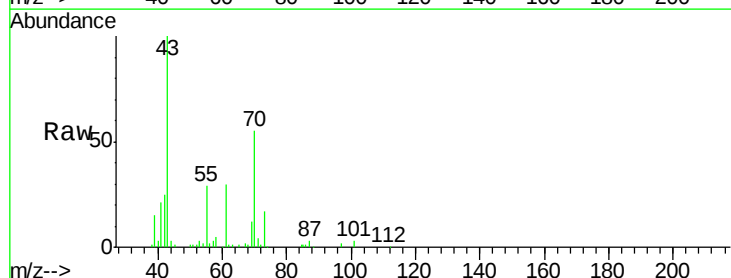
Ion Ratio Lower Upper

43 100

70 55.7 44.6 66.8

55 30.2 22.2 33.2

61 28.2 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

50000

40000

30000

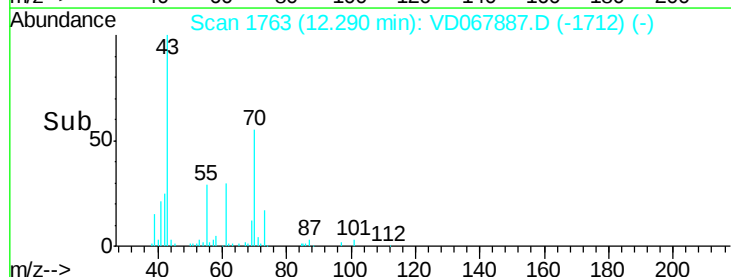
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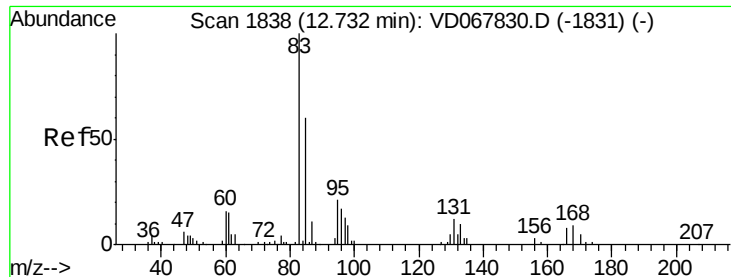
10000

0

12.20 12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 42.255 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

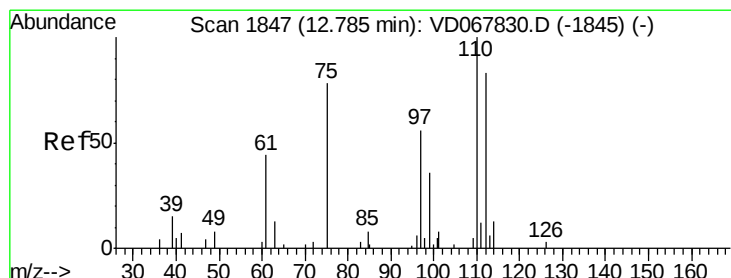
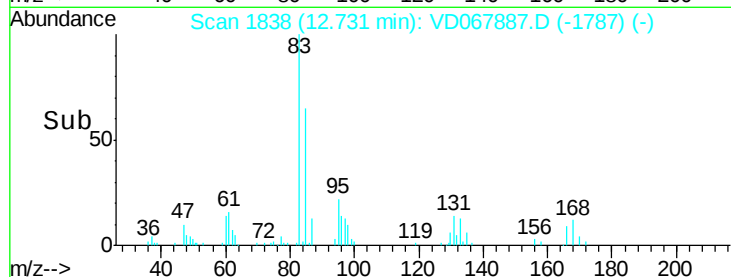
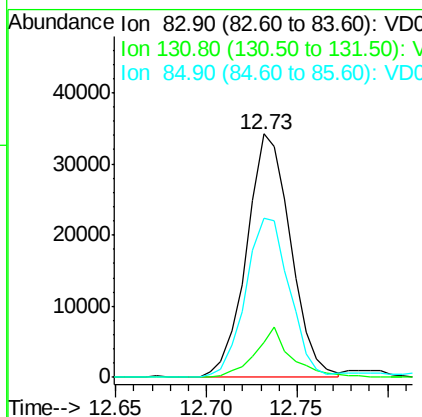
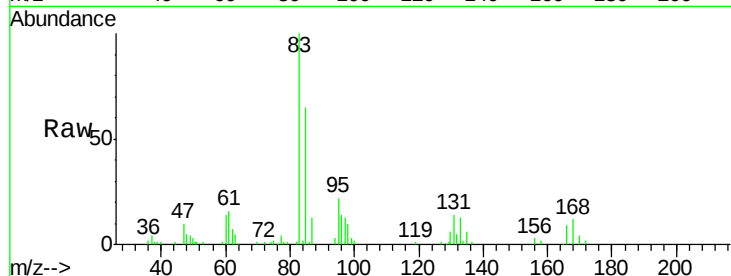
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	57825
Ion Ratio	Lower	Upper	
83	100		
131	16.9	8.0	24.0
85	65.5	31.7	95.1

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#76

1,2,3-Trichloropropane

Concen: 41.032 ug/l m

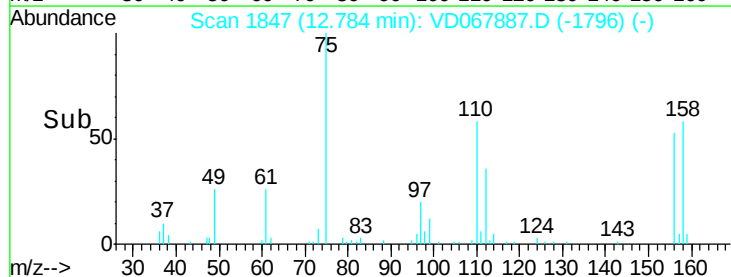
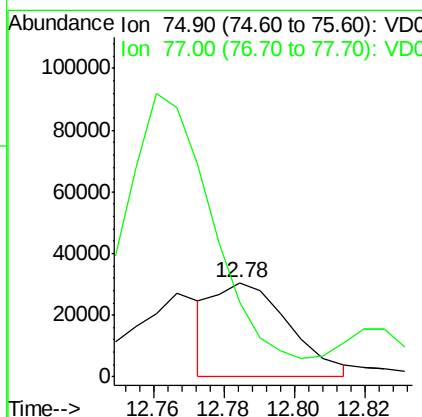
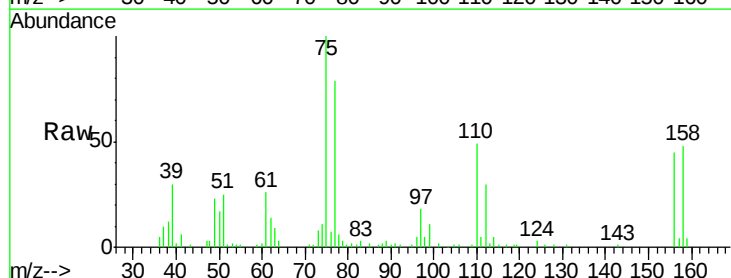
RT: 12.78 min Scan# 1847

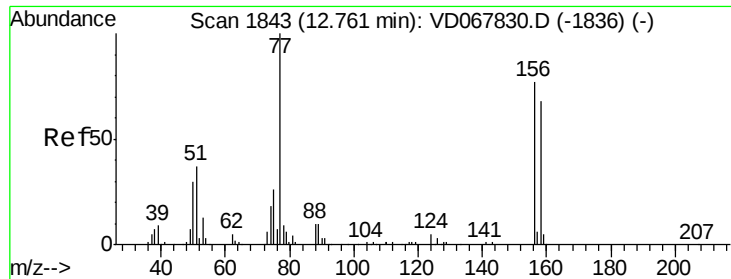
Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Tgt Ion:	75	Resp:	45038
Ion Ratio	Lower	Upper	
75	100		
77	0.0	175.9	527.7#





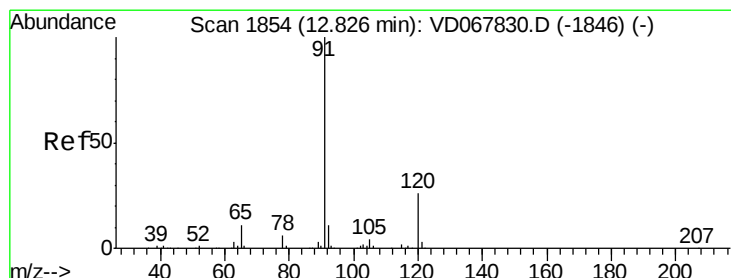
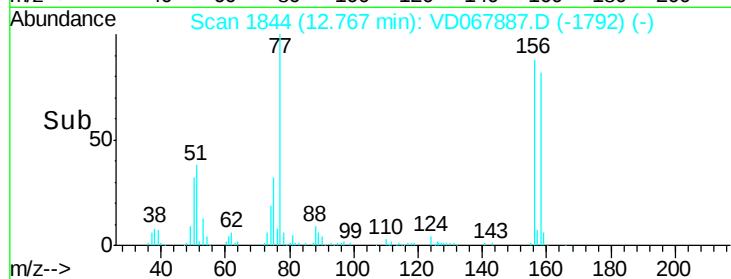
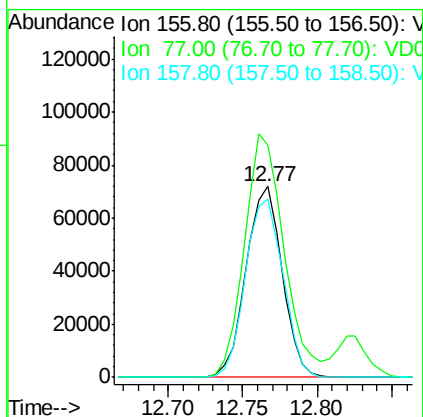
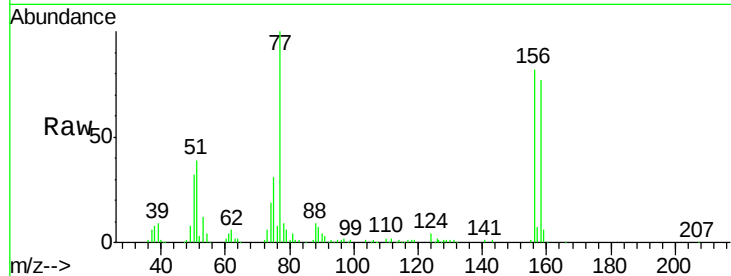
#77
Bromobenzene
Concen: 46.650 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		120213		
77	140.2	71.5	214.5		
158	97.2	47.1	141.4		

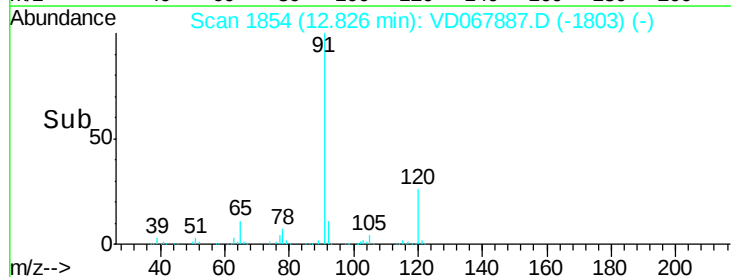
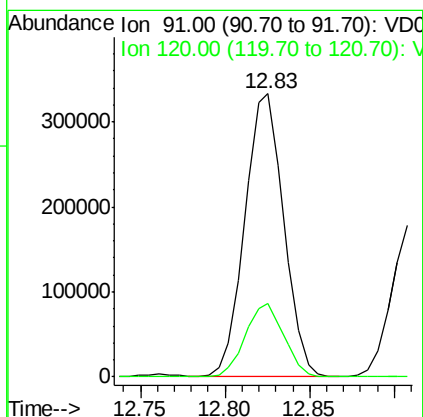
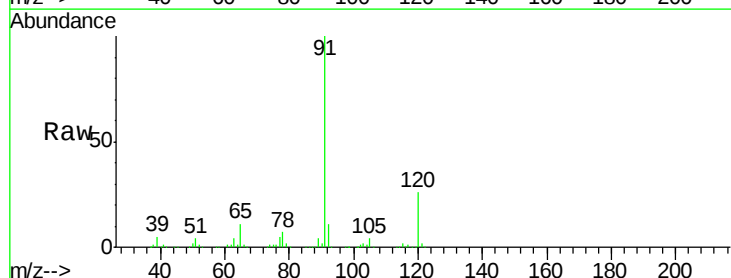
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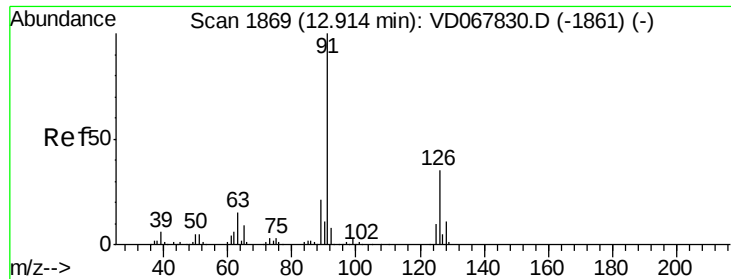
MMDadoda
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#78
n-propylbenzene
Concen: 46.260 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		531461		
120	25.8	12.7	38.0		





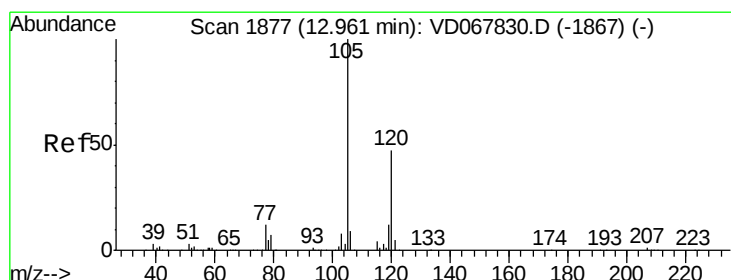
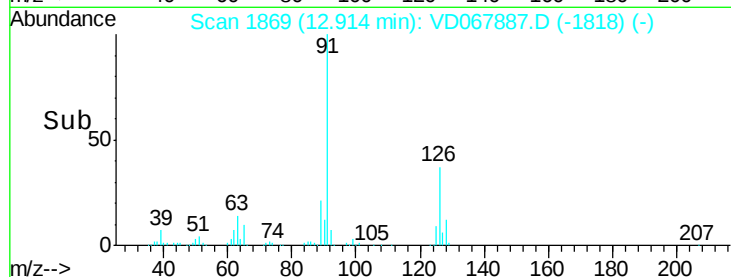
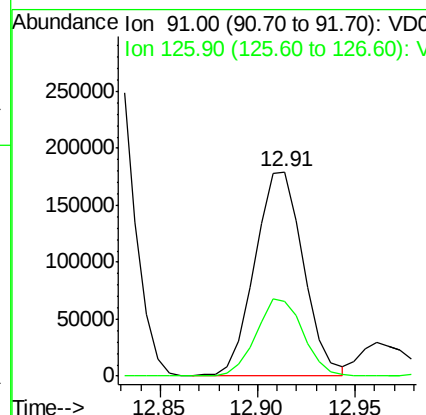
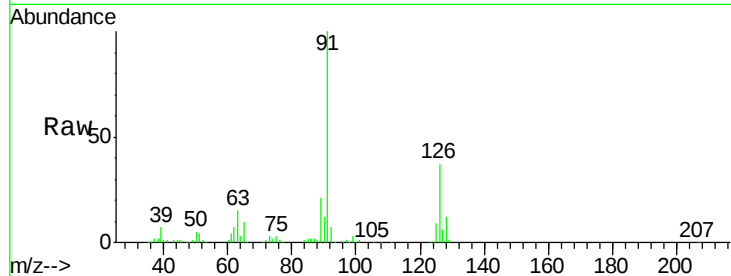
#79
2-Chlorotoluene
Concen: 45.779 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 309406
Ion Ratio Lower Upper
91 100
126 36.5 17.9 53.7

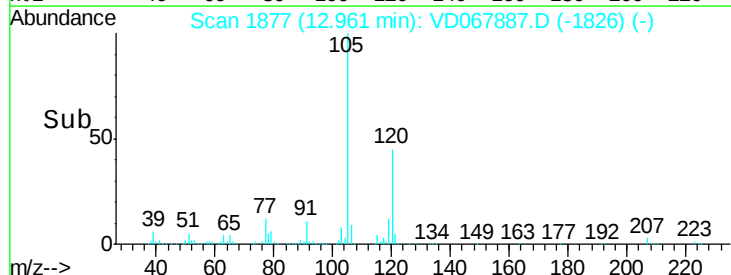
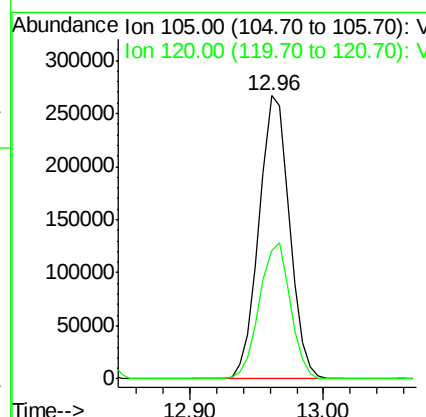
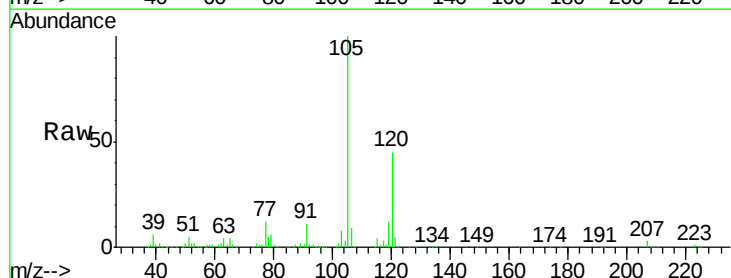
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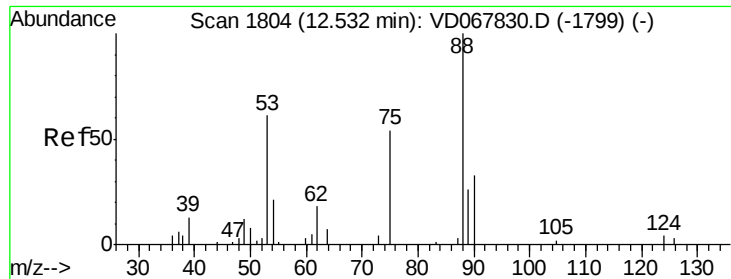
MMDadoda
12/7/2020 11:30:57 AM



#80
1,3,5-Trimethylbenzene
Concen: 46.880 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion: 105 Resp: 420723
Ion Ratio Lower Upper
105 100
120 48.6 24.3 72.9





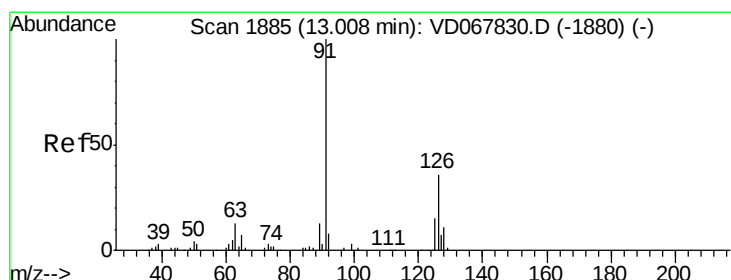
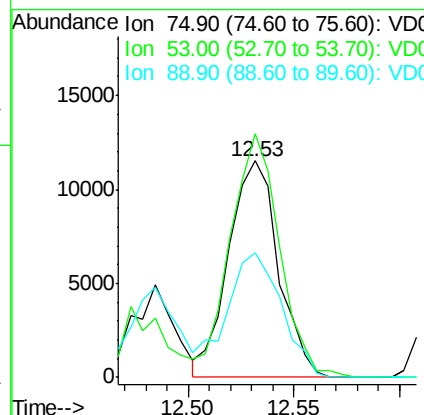
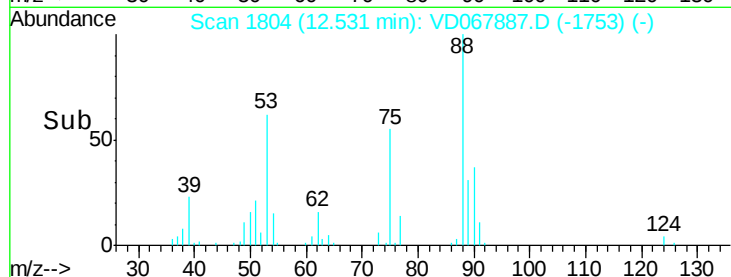
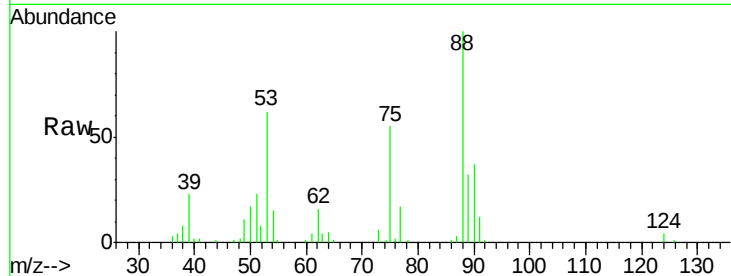
#81
trans-1,4-Dichloro-2-butene
Concen: 41.095 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.8	84.6	127.0
89	63.4	41.0	61.6

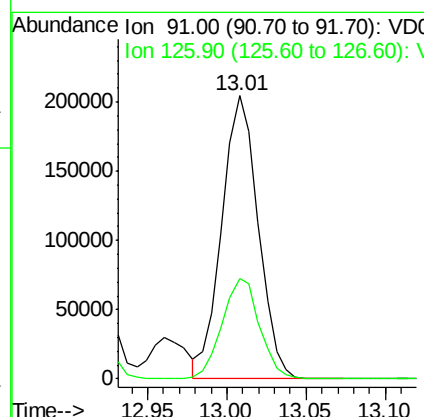
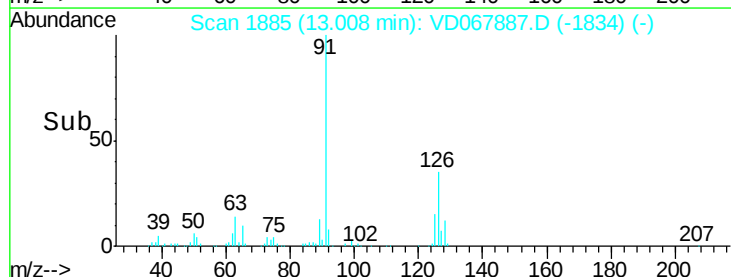
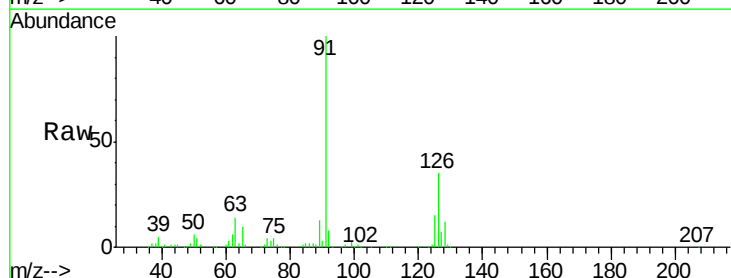
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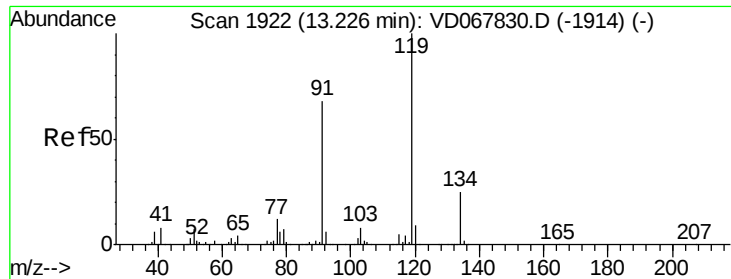
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12/7/2020 11:30:57 AM



#82
4-Chlorotoluene
Concen: 45.224 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.5	18.1	54.4





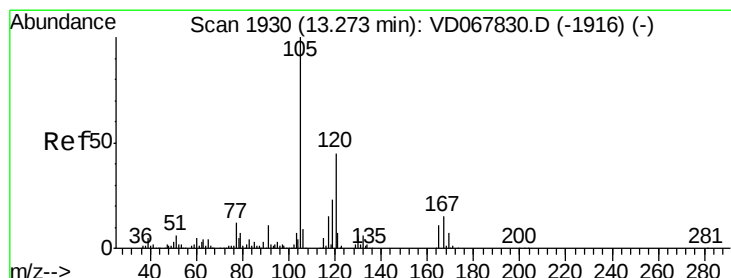
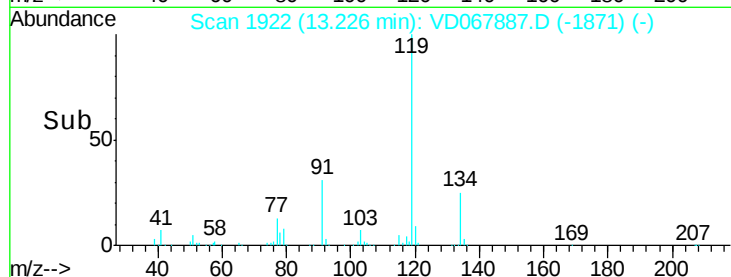
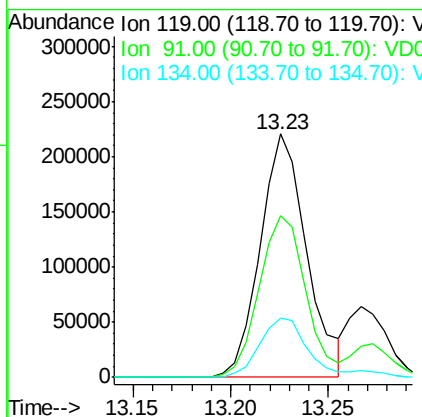
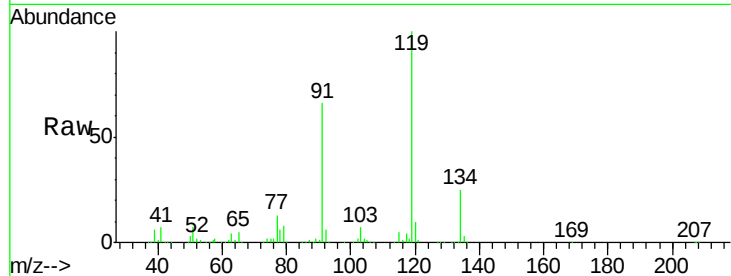
#83
tert-Butylbenzene
Concen: 47.654 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.6	33.1	99.3
134	26.5	13.6	40.8

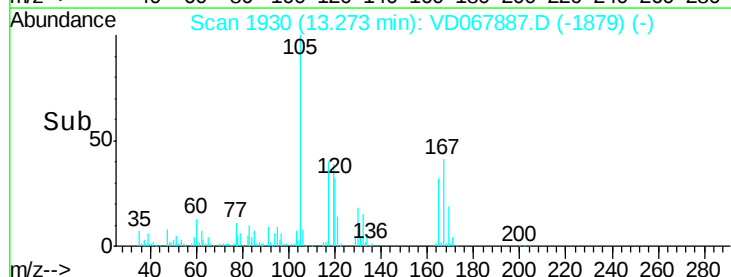
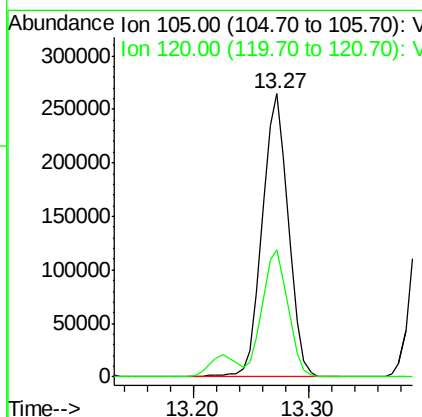
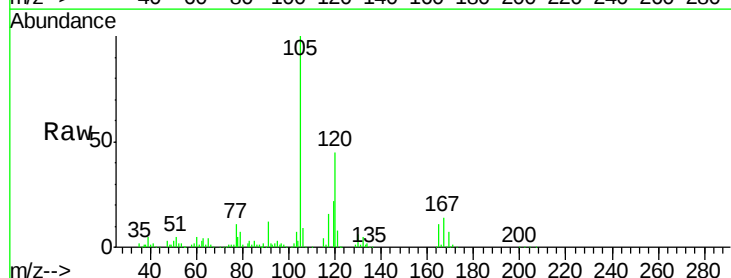
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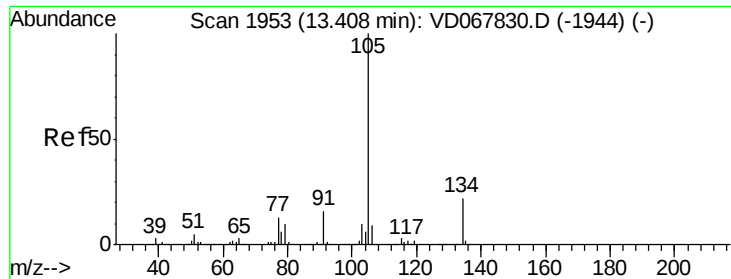
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#84
1,2,4-Trimethylbenzene
Concen: 46.780 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.1	66.5





#85

sec-Butylbenzene

Concen: 44.334 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 451897

Ion Ratio Lower Upper

105 100

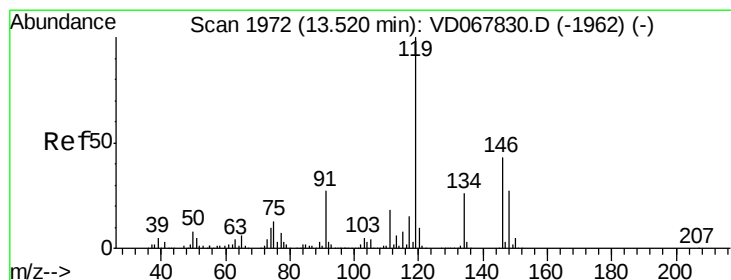
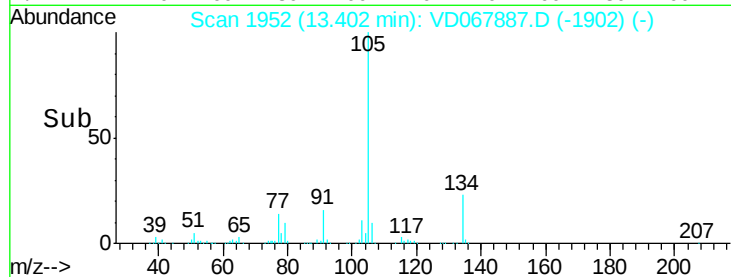
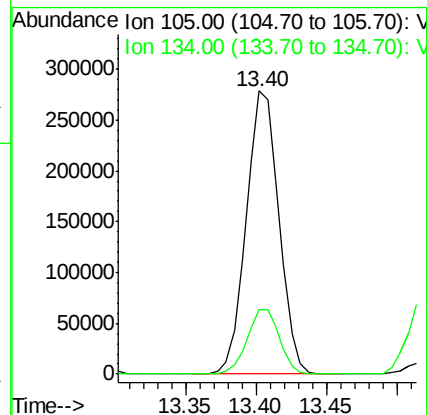
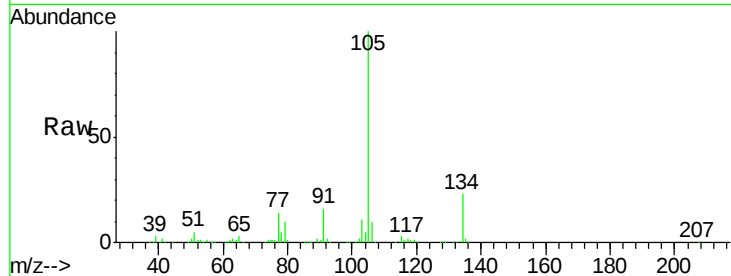
134 22.8 10.9 32.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 45.118 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

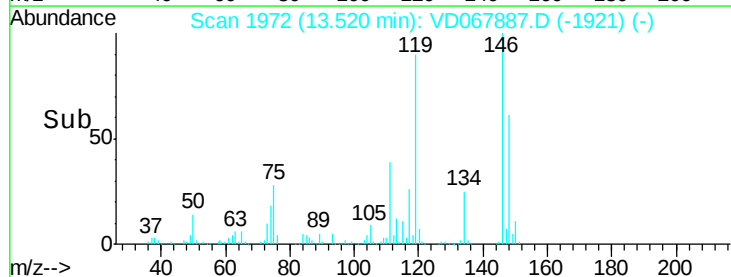
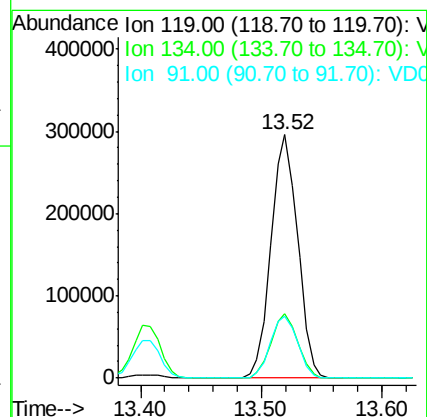
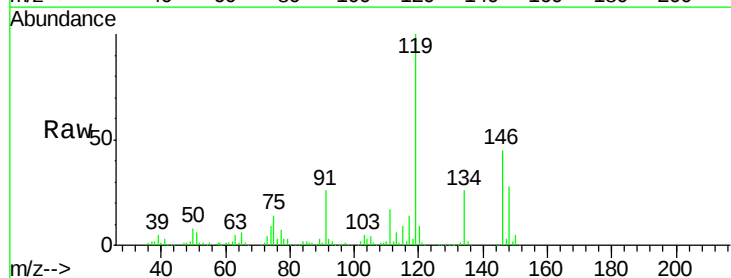
Tgt Ion:119 Resp: 450718

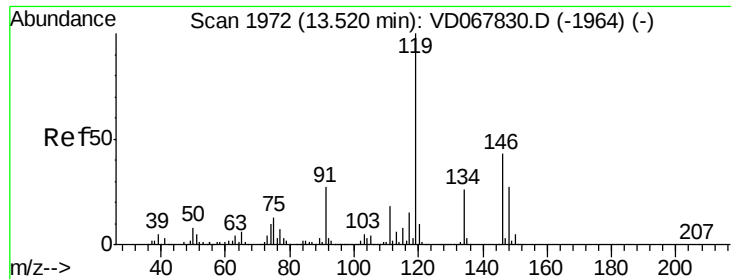
Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.3

91 25.9 12.8 38.3





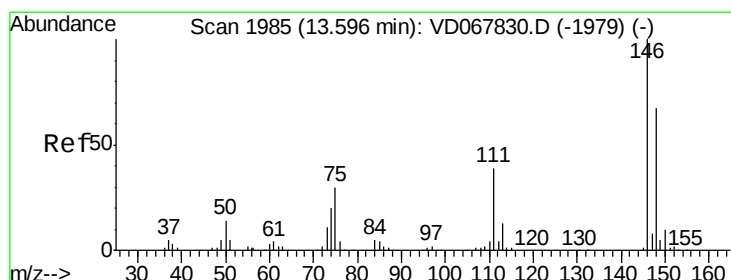
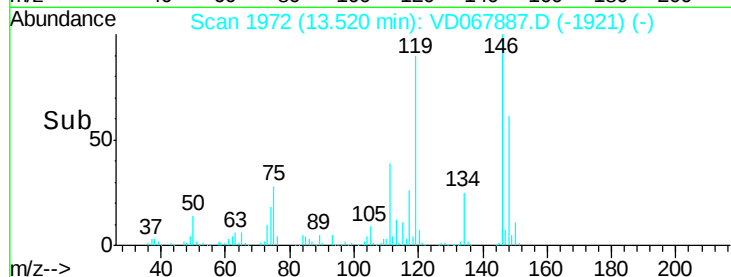
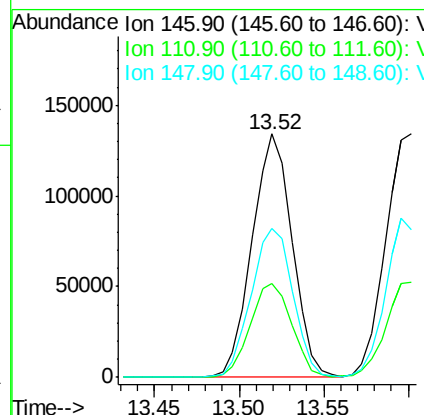
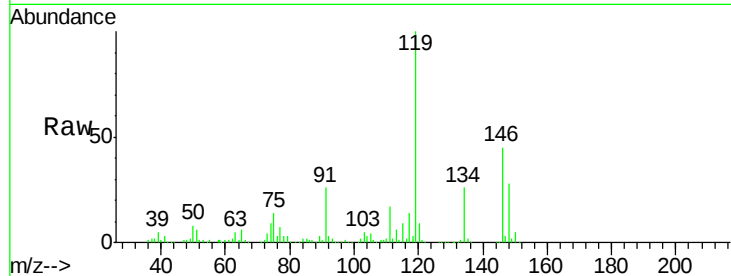
#87
 1,3-Dichlorobenzene
 Concen: 44.635 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067887.D
 Acq: 04 Dec 2020 15:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.8	62.2
148	63.5	32.9	98.6

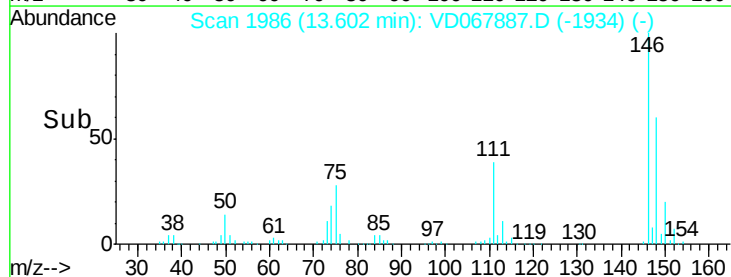
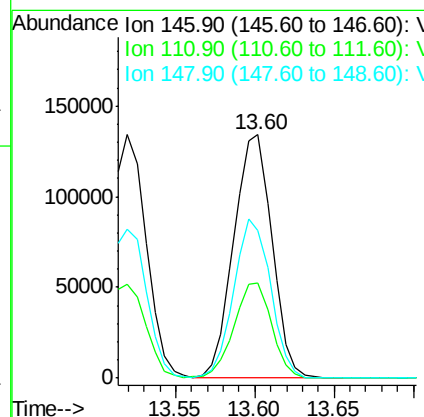
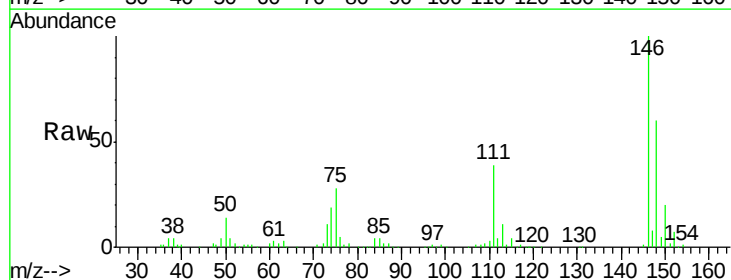
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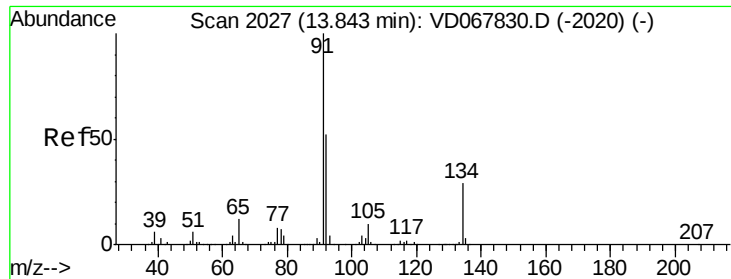
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#88
 1,4-Dichlorobenzene
 Concen: 45.249 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067887.D
 Acq: 04 Dec 2020 15:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.9	59.6
148	62.9	32.4	97.2





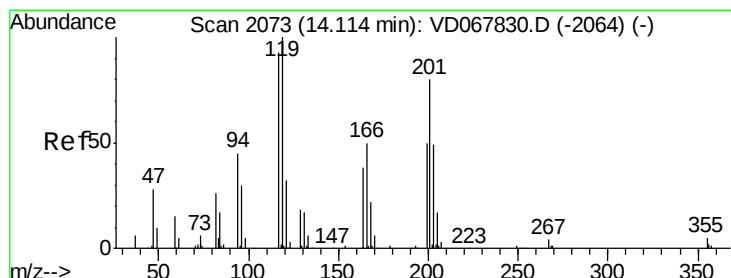
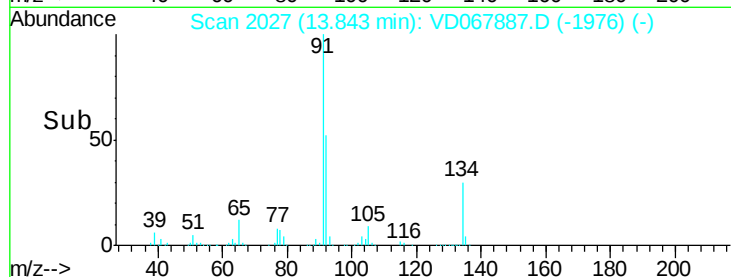
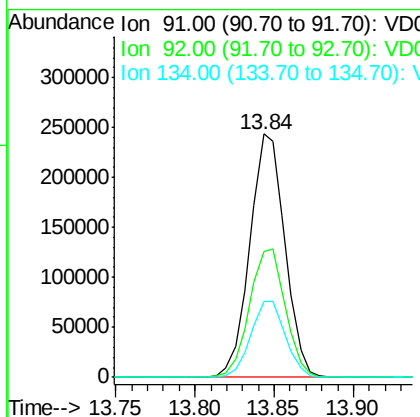
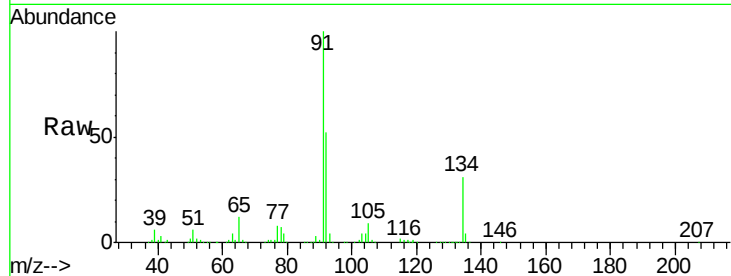
#89
n-Butylbenzene
Concen: 44.994 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.3	78.8
134	31.2	14.8	44.3

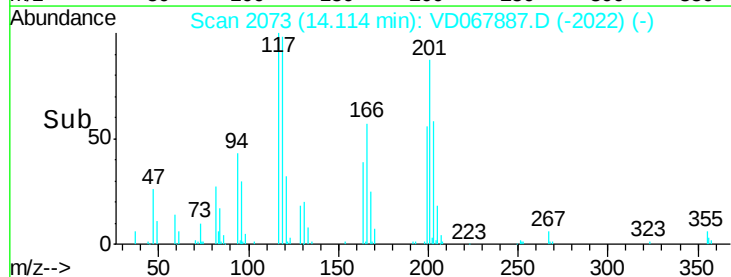
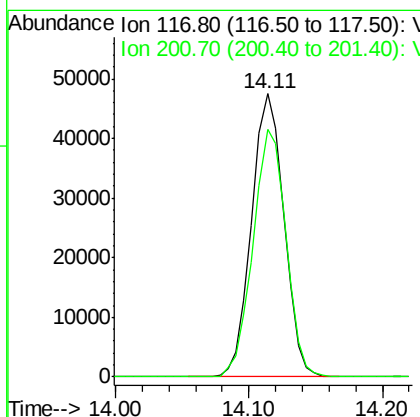
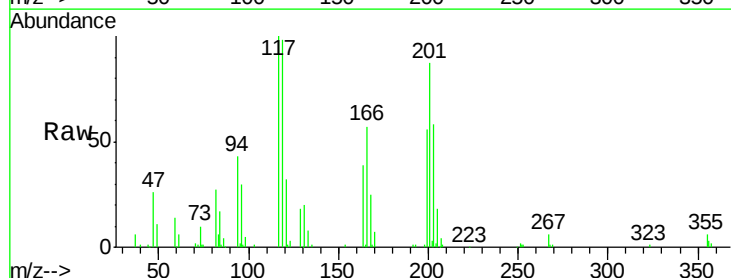
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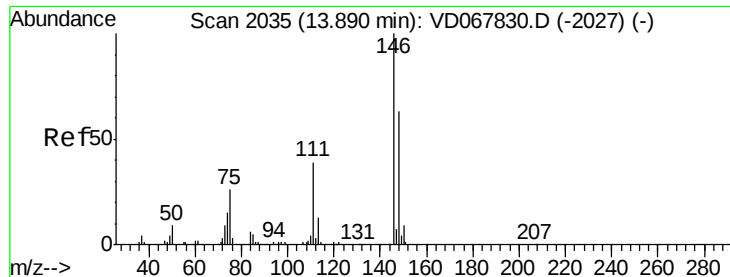
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#90
Hexachloroethane
Concen: 43.121 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.8	43.9	131.6





#91

1,2-Dichlorobenzene

Concen: 44.524 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

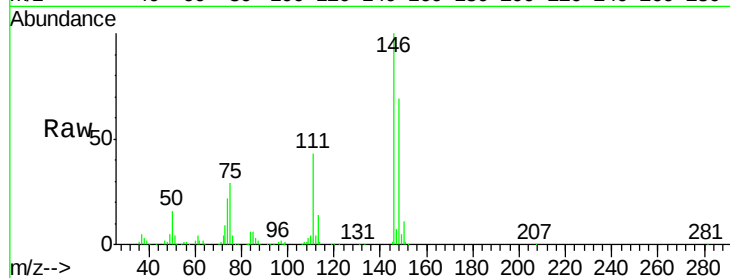
ClientSampleId :

VSTDCCC050EC

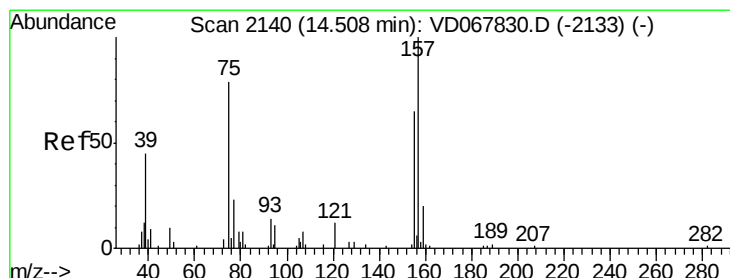
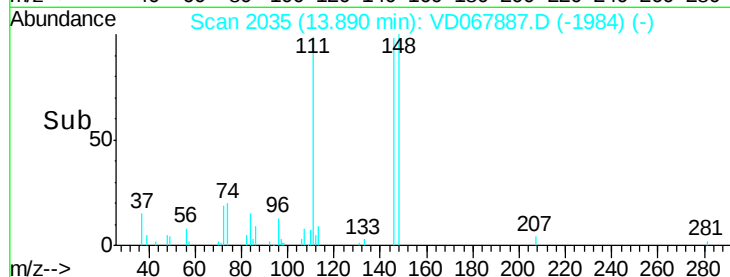
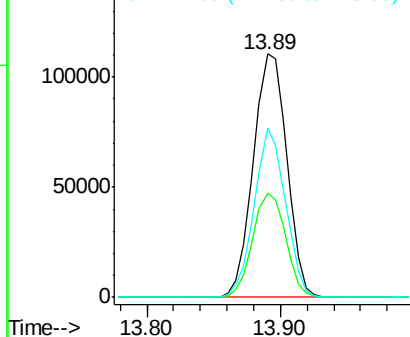
Tot Ion:	146	Resp:	191956
Ion Ratio		Lower	Upper
146	100		
111	42.1	20.4	61.2
148	64.7	32.1	96.3

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 43.641 ug/l

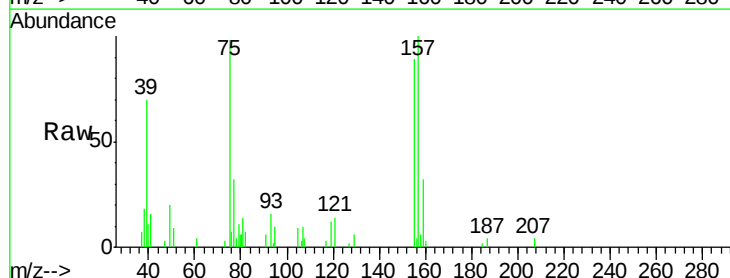
RT: 14.51 min Scan# 2140

Delta R.T. -0.00 min

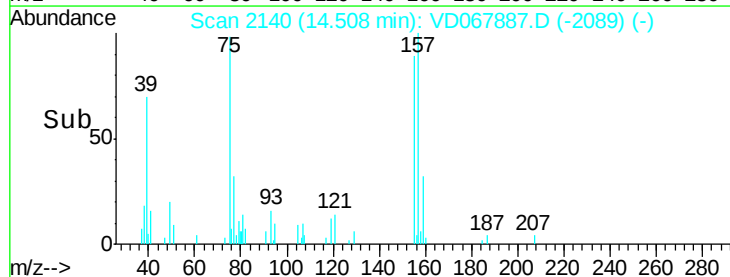
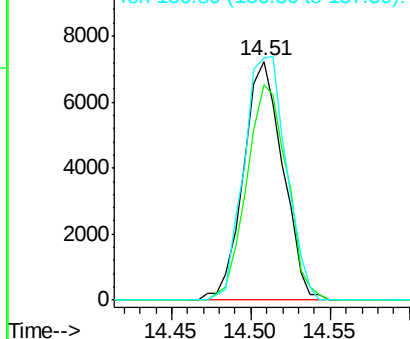
Lab File: VD067887.D

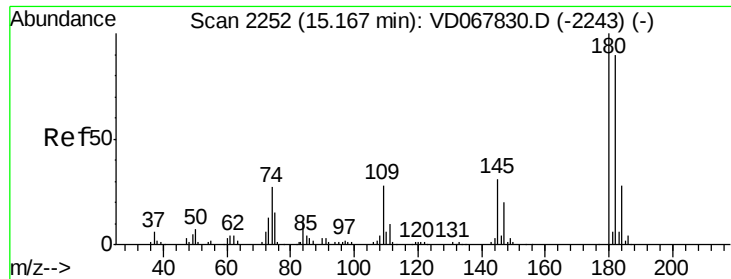
Acq: 04 Dec 2020 15:58

Tgt Ion:	75	Resp:	12464
Ion Ratio		Lower	Upper
75	100		
155	92.7	44.1	132.4
157	109.6	62.4	187.2



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





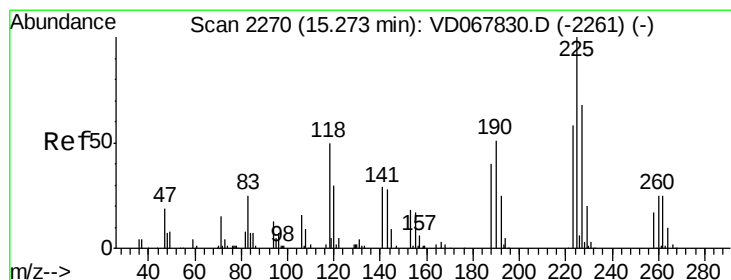
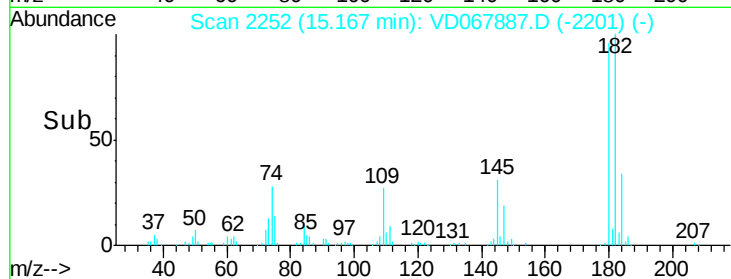
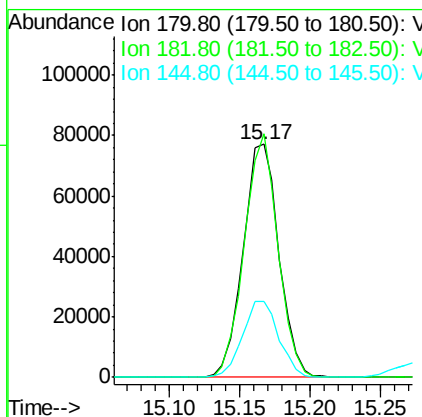
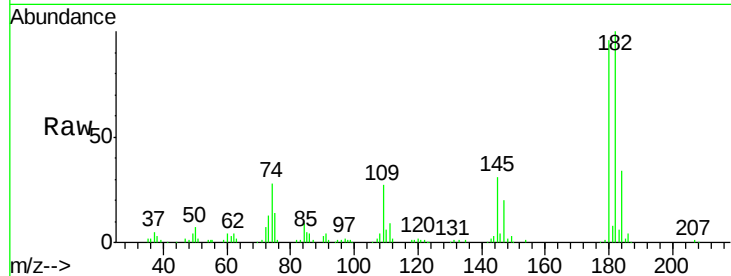
#93
1,2,4-Trichlorobenzene
Concen: 45.581 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	137458		
182	97.7	47.5	142.6	
145	33.0	16.4	49.4	

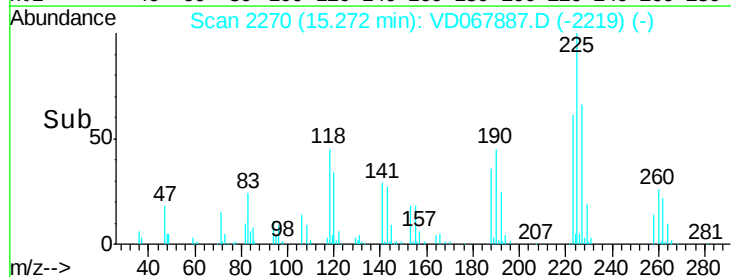
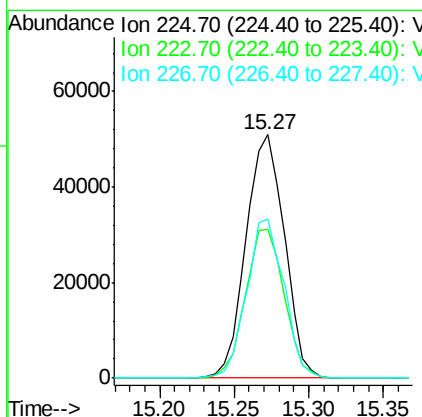
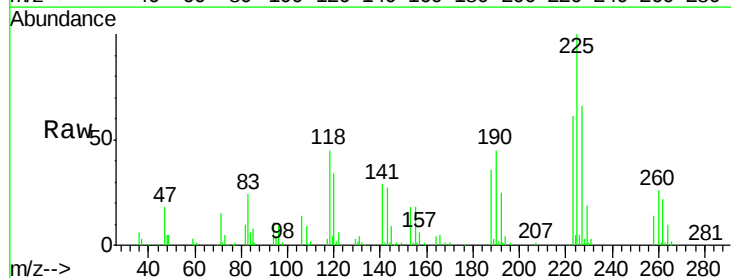
Manual Integrations
APPROVED

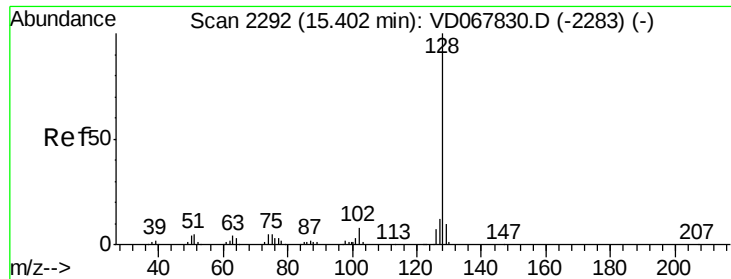
MMDadoda
12/7/2020 11:30:57 AM



#94
Hexachlorobutadiene
Concen: 46.209 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	90933		
223	61.6	31.1	93.3	
227	63.4	33.1	99.3	





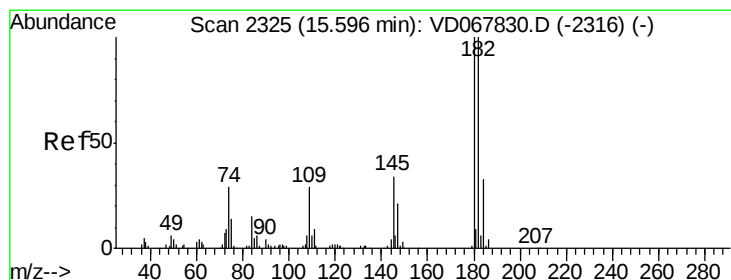
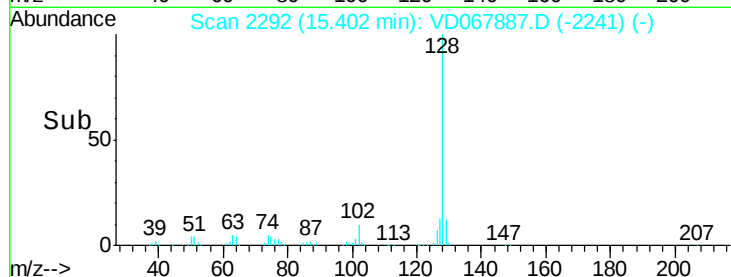
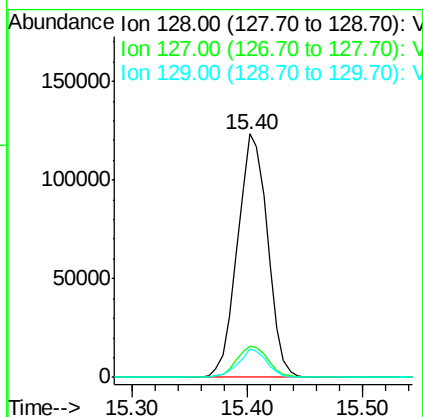
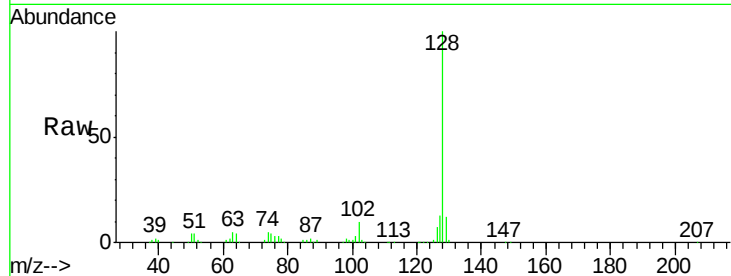
#95
Naphthalene
Concen: 45.382 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	11.0	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
12/7/2020 11:30:57 AM



#96
1,2,3-Trichlorobenzene
Concen: 45.311 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	142.0
145	35.0	16.8	50.4

