

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120720\
 Data File : VD067891.D
 Acq On : 07 Dec 2020 11:15
 Operator : VA/SY
 Sample : VD1207SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/8/2020 5:05:41 PM

Quant Time: Dec 08 03:22:27 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	197302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	280234	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	260777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	136572	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	100379	47.39	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.78%
35) Dibromofluoromethane	7.91	113	89587	47.78	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.56%
50) Toluene-d8	10.34	98	329835	48.86	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.72%
62) 4-Bromofluorobenzene	12.64	95	117822	50.49	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.98%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	33849	19.713	ug/l	97
3) Chloromethane	2.21	50	18878	19.050	ug/l	96
4) Vinyl Chloride	2.35	62	22848	18.307	ug/l #	85
5) Bromomethane	2.77	94	25980	23.319	ug/l	92
6) Chloroethane	2.93	64	16165	19.894	ug/l #	82
7) Trichlorofluoromethane	3.27	101	77017	20.167	ug/l	95
8) Diethyl Ether	3.70	74	13624	18.303	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	34669	19.908	ug/l	98
10) Methyl Iodide	4.31	142	30294	16.412	ug/l	98
11) Tert butyl alcohol	5.22	59	10303	48.310	ug/l #	79
12) 1,1-Dichloroethene	4.07	96	32369	19.798	ug/l	96
13) Acrolein	3.91	56	6057	74.414	ug/l	96
14) Allyl chloride	4.73	41	27784	18.370	ug/l	90
15) Acrylonitrile	5.43	53	24137m	93.519	ug/l	
16) Acetone	4.16	43	21620	82.603	ug/l	96
17) Carbon Disulfide	4.41	76	86214	18.887	ug/l	96
18) Methyl Acetate	4.71	43	9280	18.433	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	68042	19.436	ug/l	98
20) Methylene Chloride	4.97	84	37581	19.675	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	37039	19.909	ug/l	98
22) Diisopropyl ether	6.36	45	58419	19.204	ug/l	89
23) Vinyl Acetate	6.31	43	158378	93.586	ug/l	100
24) 1,1-Dichloroethane	6.26	63	53163	19.936	ug/l	100
25) 2-Butanone	7.21	43	23436	85.131	ug/l	93
26) 2,2-Dichloropropane	7.21	77	65411	20.570	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	40573	19.939	ug/l	96
28) Bromochloromethane	7.56	49	15945	18.833	ug/l	97
29) Tetrahydrofuran	7.57	42	13712	87.478	ug/l	91
30) Chloroform	7.71	83	72283	20.283	ug/l	93
31) Cyclohexane	7.99	56	41035	18.388	ug/l #	93
32) 1,1,1-Trichloroethane	7.90	97	80719	21.457	ug/l	97
36) 1,1-Dichloropropene	8.11	75	49403	20.364	ug/l	99
37) Ethyl Acetate	7.30	43	11299	17.281	ug/l	97
38) Carbon Tetrachloride	8.10	117	75614	20.600	ug/l #	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	56797	19.756	ug/l	95
40) Benzene	8.35	78	135184	20.365	ug/l	99
41) Methacrylonitrile	7.53	41	7501	21.617	ug/l #	71
42) 1,2-Dichloroethane	8.43	62	49404	20.882	ug/l	97
43) Isopropyl Acetate	8.46	43	23149	17.994	ug/l #	59
44) Trichloroethene	9.11	130	45309	19.852	ug/l	93
45) 1,2-Dichloropropane	9.39	63	26606	19.528	ug/l	96
46) Dibromomethane	9.48	93	18034	19.038	ug/l	98
47) Bromodichloromethane	9.67	83	54928	20.340	ug/l	90
48) Methyl methacrylate	9.46	41	12183	18.650	ug/l	90
49) 1,4-Dioxane	9.47	88	3417	315.687	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	51703	84.915	ug/l	99
52) Toluene	10.41	92	95985	20.682	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	46481	19.942	ug/l	89
54) cis-1,3-Dichloropropene	10.10	75	52615	20.752	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	25131	19.386	ug/l	98
56) Ethyl methacrylate	10.66	69	23227	17.610	ug/l	94
57) 1,3-Dichloropropane	10.95	76	39667	19.317	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	49092	81.796	ug/l	100
59) 2-Hexanone	10.98	43	36417	84.843	ug/l	97
60) Dibromochloromethane	11.14	129	40196	20.570	ug/l	95
61) 1,2-Dibromoethane	11.25	107	24291	19.054	ug/l	99
64) Tetrachloroethene	10.88	164	42633	20.043	ug/l	98
65) Chlorobenzene	11.67	112	111604	20.741	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	45746	20.844	ug/l	92
67) Ethyl Benzene	11.75	91	191565	20.899	ug/l	96
68) m/p-Xylenes	11.86	106	151912	42.030	ug/l	98
69) o-Xylene	12.18	106	70298	21.909	ug/l	98
70) Styrene	12.20	104	118829	21.298	ug/l	98
71) Bromoform	12.37	173	22946	19.752	ug/l #	99
73) Isopropylbenzene	12.48	105	196441	20.916	ug/l	100
74) N-amyl acetate	12.29	43	20208	17.394	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	21987	17.732	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	18862m	18.965	ug/l	
77) Bromobenzene	12.77	156	46502	19.916	ug/l	99
78) n-propylbenzene	12.83	91	217336	20.878	ug/l	99
79) 2-Chlorotoluene	12.91	91	123770	20.211	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	170847	21.010	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	7029	16.906	ug/l	96
82) 4-Chlorotoluene	13.01	91	130662	20.002	ug/l	99
83) tert-Butylbenzene	13.23	119	145295	20.997	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	173081	21.405	ug/l	98
85) sec-Butylbenzene	13.41	105	189246	20.491	ug/l	100
86) p-Isopropyltoluene	13.52	119	186728	20.629	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	93324	20.720	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	91971	20.411	ug/l	98
89) n-Butylbenzene	13.85	91	151422	20.136	ug/l	98
90) Hexachloroethane	14.12	117	32584	19.498	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	78343	20.055	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5007	19.348	ug/l	95

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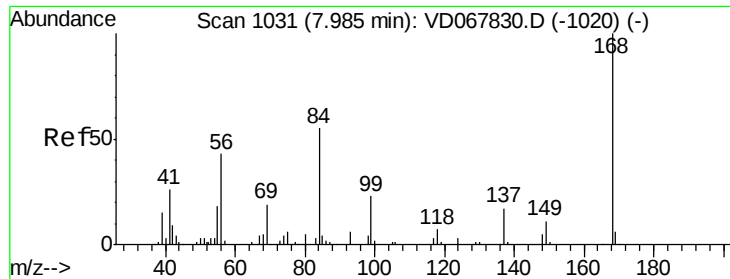
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	55909	20.461	ug/l	99
94) Hexachlorobutadiene	15.27	225	37255	20.894	ug/l	97
95) Naphthalene	15.41	128	85346	19.194	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	47057	19.941	ug/l	98

(#) = 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: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion:168 Resp: 197302

Ion Ratio Lower Upper

168 100

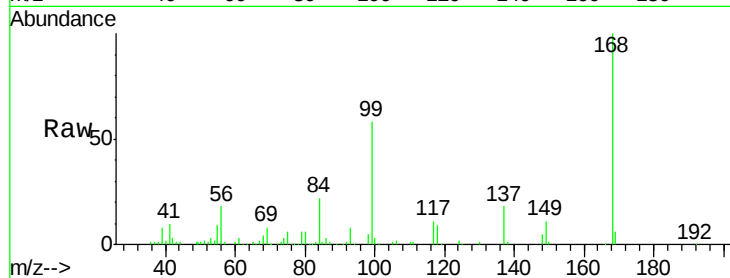
99 57.6 47.1 70.7

Manual Integrations

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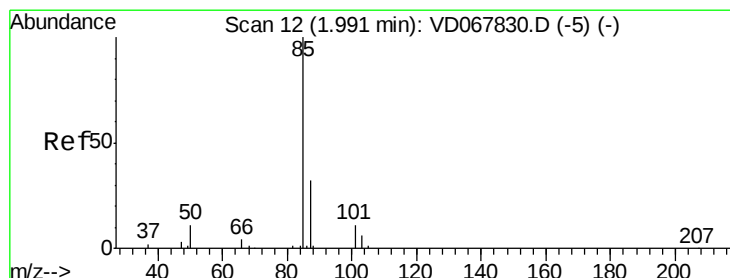
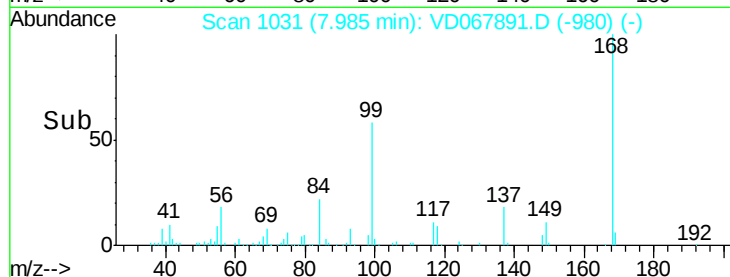


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

Time-->



#2

Dichlorodifluoromethane

Concen: 19.713 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD067891.D

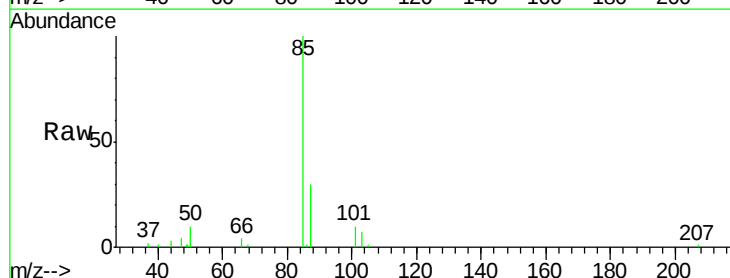
Acq: 07 Dec 2020 11:15

Tgt Ion: 85 Resp: 33849

Ion Ratio Lower Upper

85 100

87 30.1 15.9 47.6

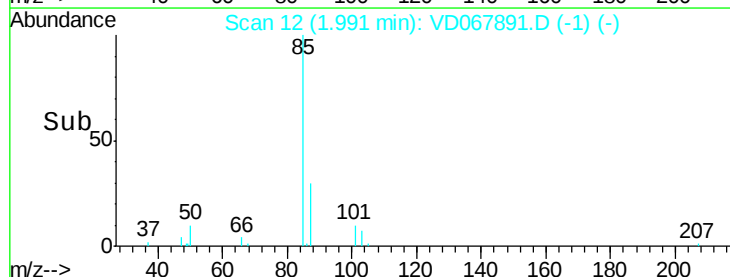


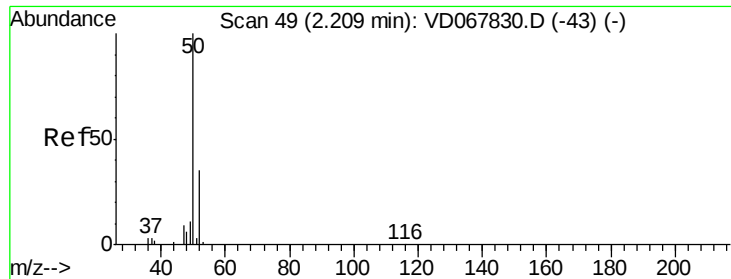
Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

Time-->





#3

Chloromethane

Concen: 19.050 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 50 Resp: 18878

Ion Ratio Lower Upper

50 100

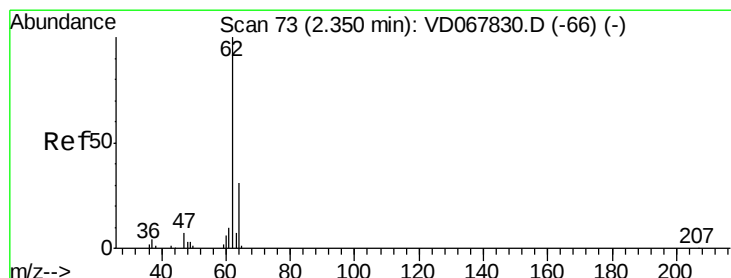
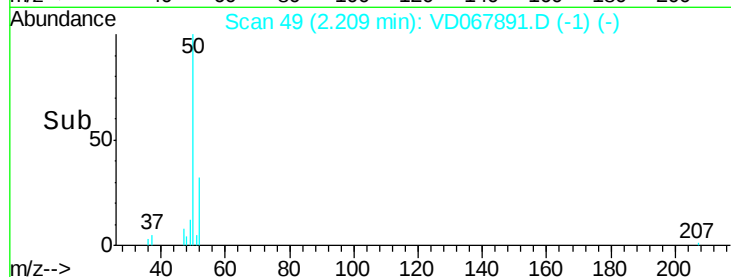
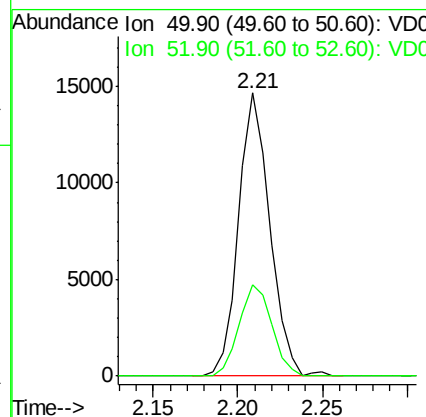
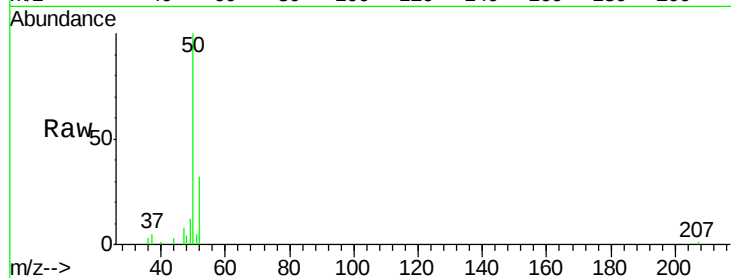
52 32.2 27.8 41.6

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#4

Vinyl Chloride

Concen: 18.307 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067891.D

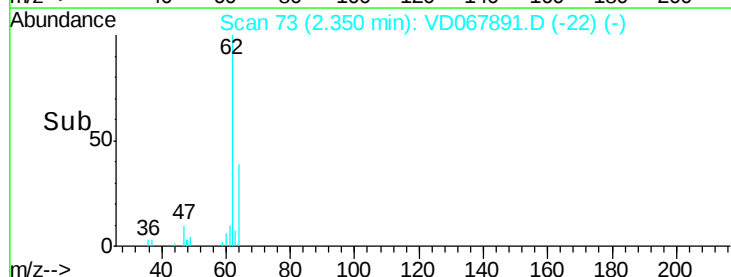
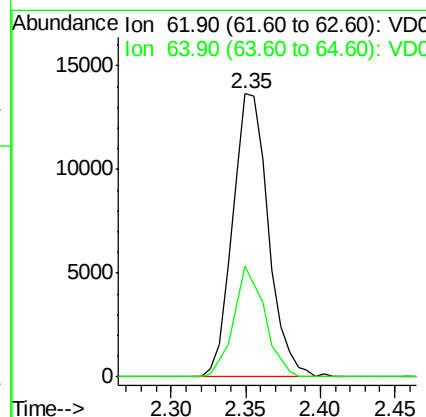
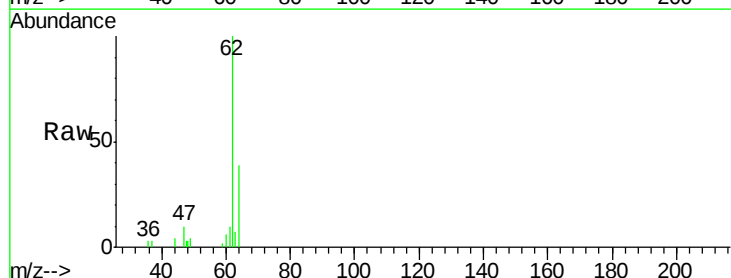
Acq: 07 Dec 2020 11:15

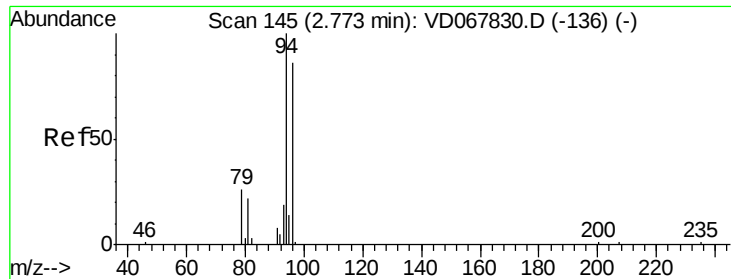
Tgt Ion: 62 Resp: 22848

Ion Ratio Lower Upper

62 100

64 39.0 24.5 36.7#





#5

Bromomethane

Concen: 23.319 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 94 Resp: 25980

Ion Ratio Lower Upper

94 100

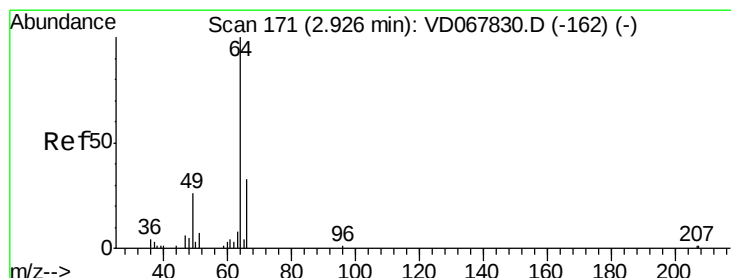
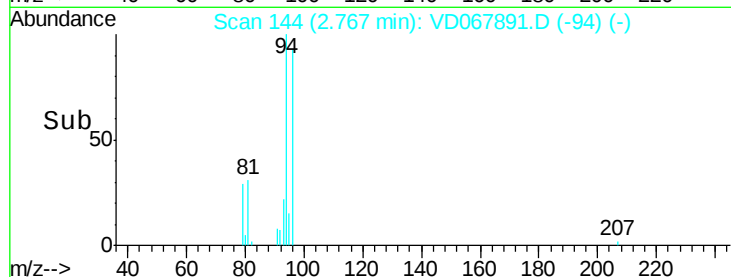
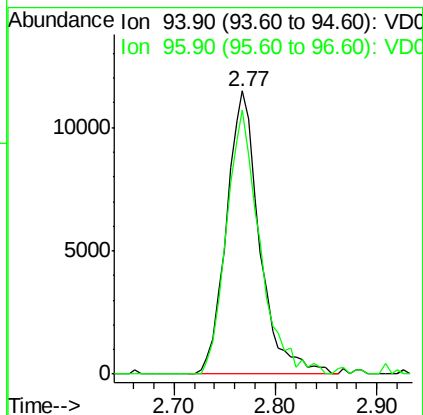
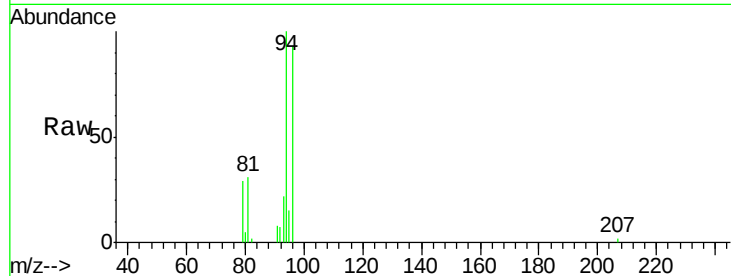
96 93.5 68.7 103.1

Manual Integrations

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#6

Chloroethane

Concen: 19.894 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD067891.D

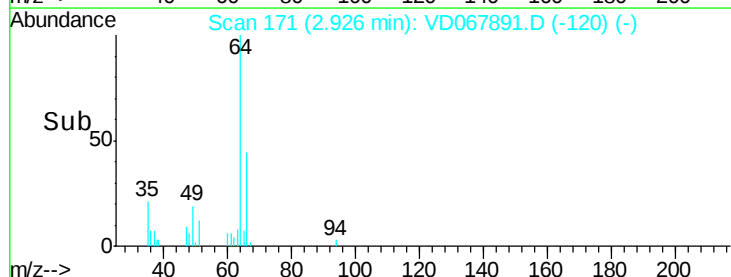
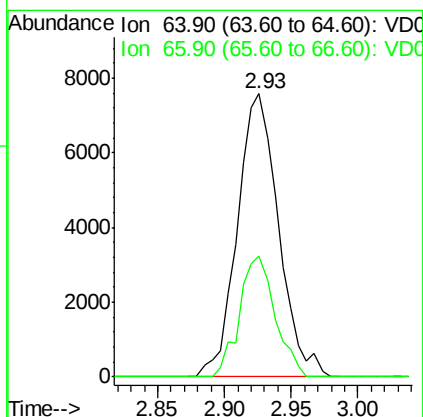
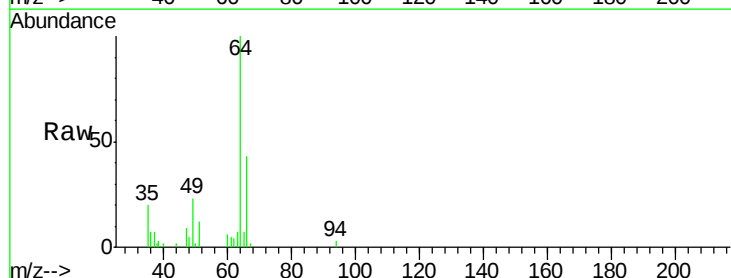
Acq: 07 Dec 2020 11:15

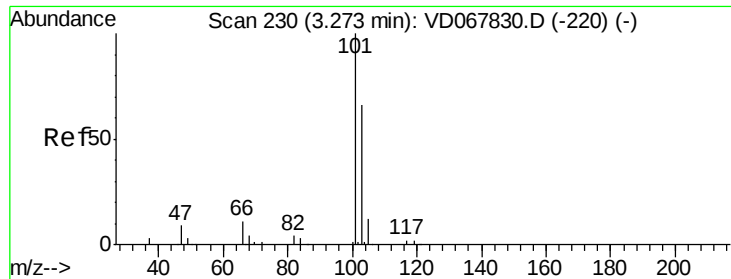
Tgt Ion: 64 Resp: 16165

Ion Ratio Lower Upper

64 100

66 42.6 26.1 39.1#





#7

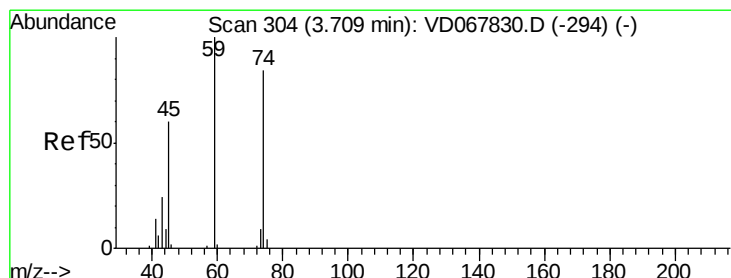
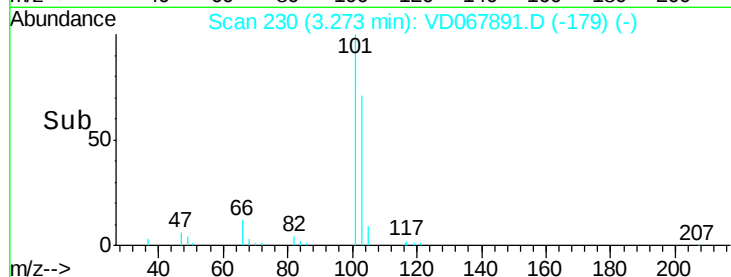
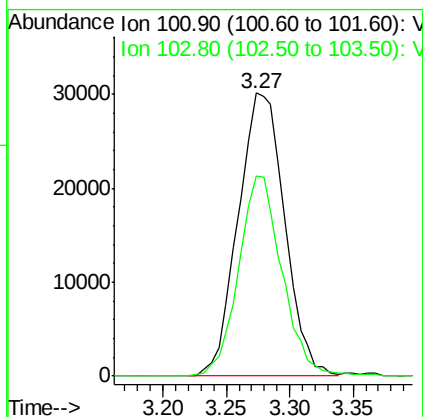
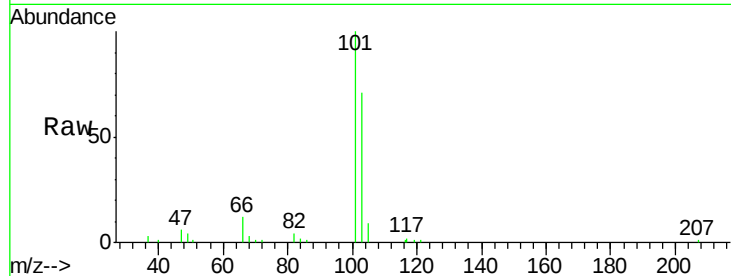
Trichlorofluoromethane
Concen: 20.167 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
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ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.5	53.0	79.6

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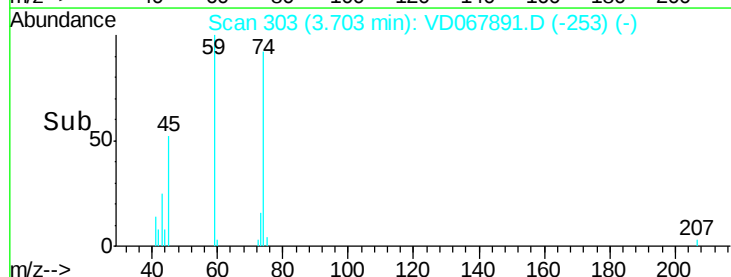
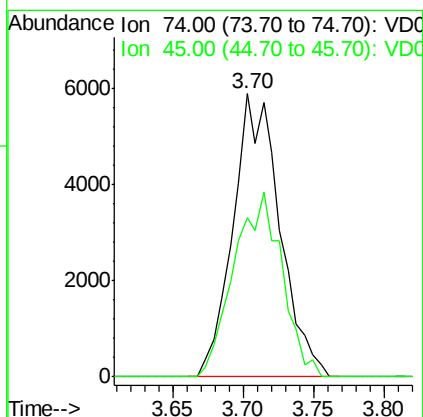
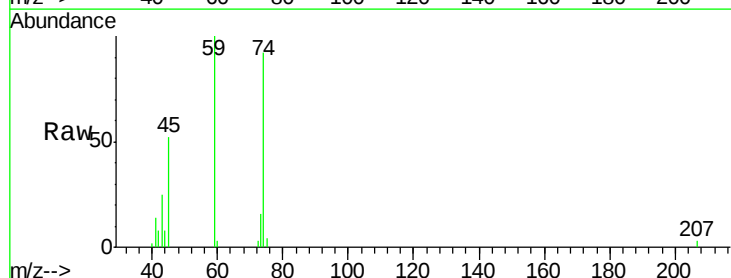
MMDadoda
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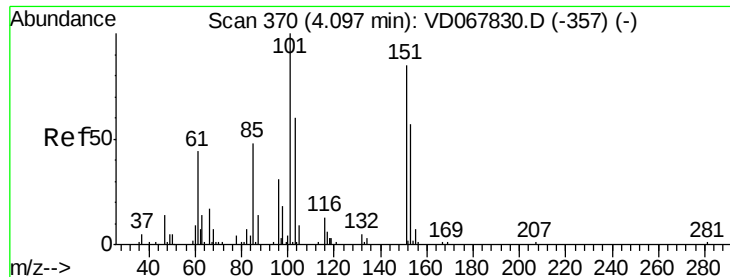


#8

Diethyl Ether
Concen: 18.303 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	66.9	33.9	101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.908 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

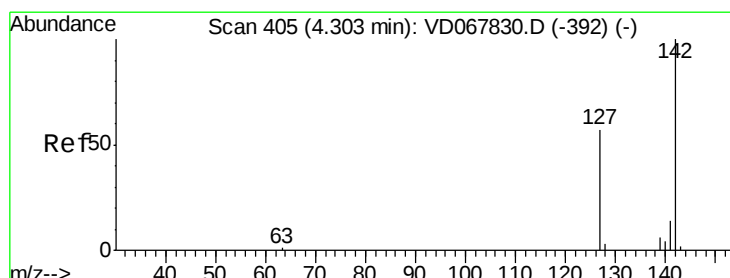
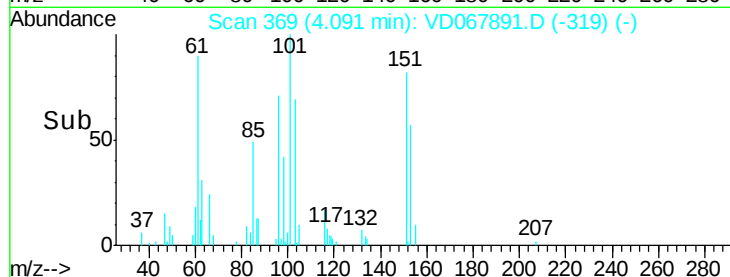
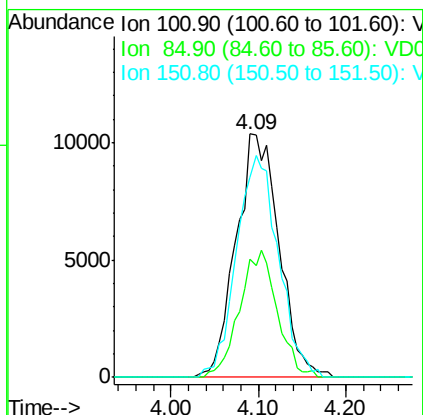
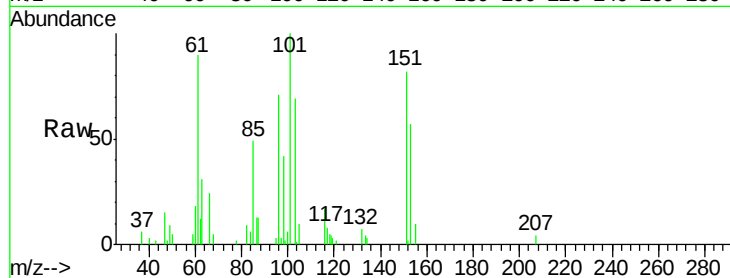
ClientSampleId :

VD1207SBS01

Tot Ion:	101	Resp:	34669
Ion Ratio	Lower	Upper	
101	100		
85	45.6	36.2	54.4
151	88.8	69.4	104.2

Manual Integrations
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#10

Methyl Iodide

Concen: 16.412 ug/l

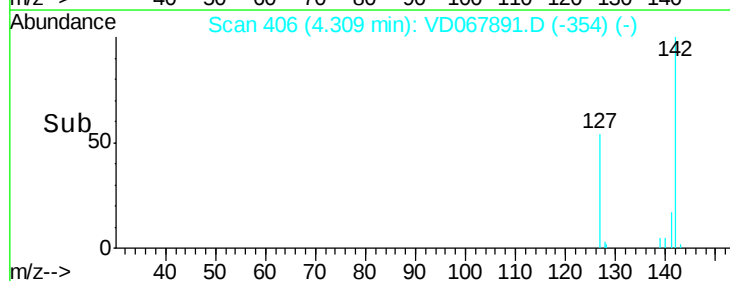
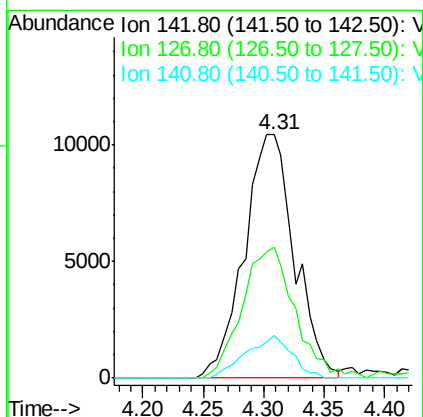
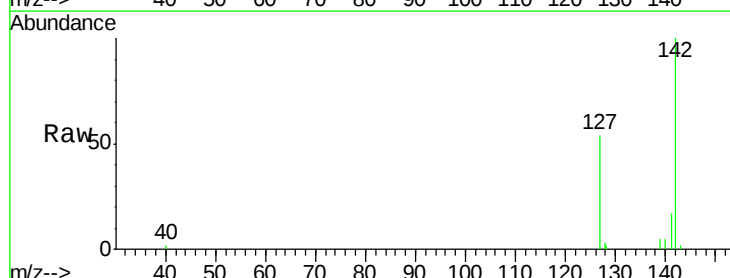
RT: 4.31 min Scan# 406

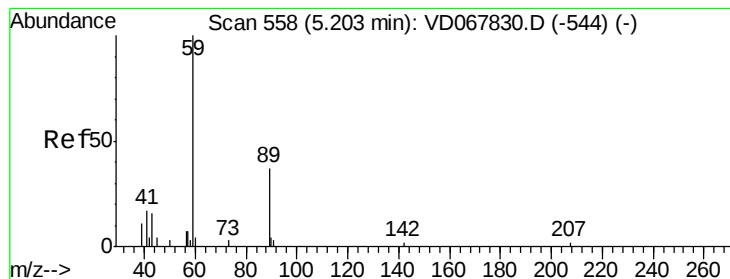
Delta R.T. 0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Tgt Ion:	142	Resp:	30294
Ion Ratio	Lower	Upper	
142	100		
127	56.2	43.9	65.9
141	15.9	12.2	18.2





#11

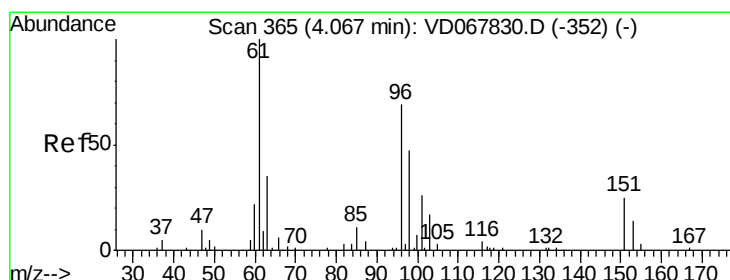
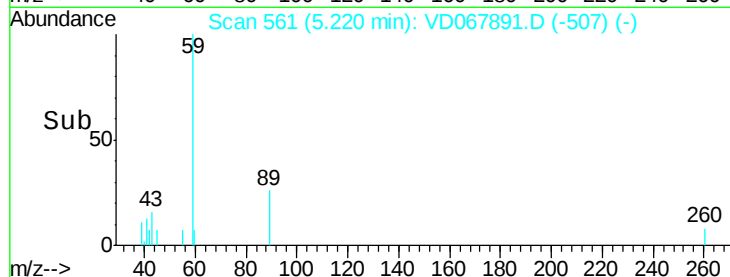
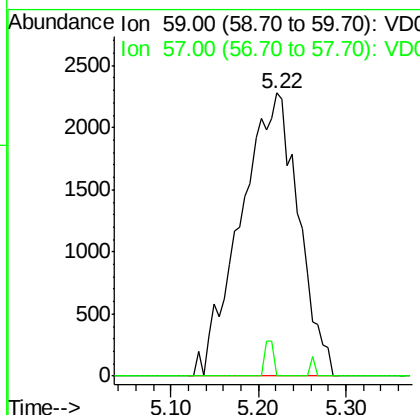
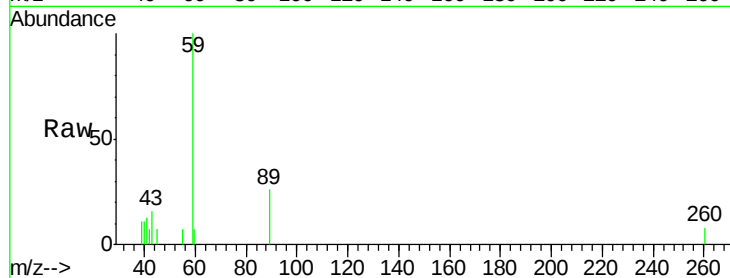
Tert butyl alcohol
 Concen: 48.310 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.02 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1207SBS01

Tot Ion: 59 Resp: 10303
 Ion Ratio Lower Upper
 59 100
 57 1.9 7.7 11.5#

Manual Integrations
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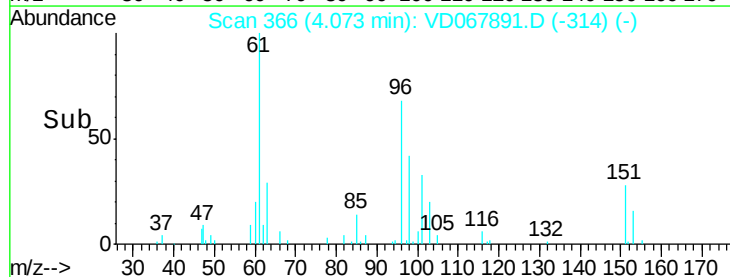
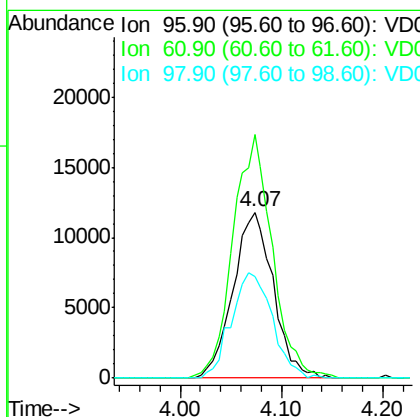
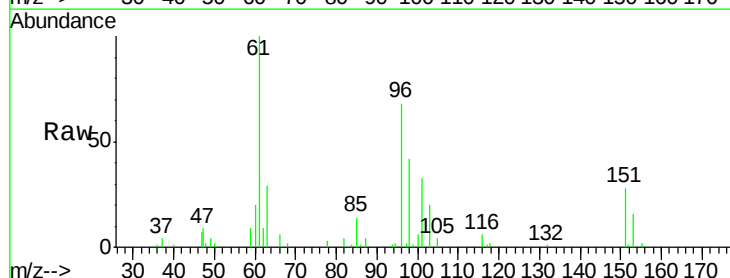
MMDadoda
 12/8/2020 5:05:41 PM

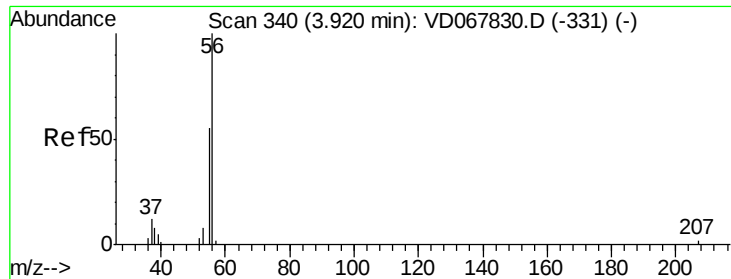


#12

1,1-Dichloroethene
 Concen: 19.798 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

Tgt Ion: 96 Resp: 32369
 Ion Ratio Lower Upper
 96 100
 61 146.9 116.1 174.1
 98 61.2 54.6 82.0





#13

Acrolein

Concen: 74.414 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 56 Resp: 6057

Ion Ratio Lower Upper

56 100

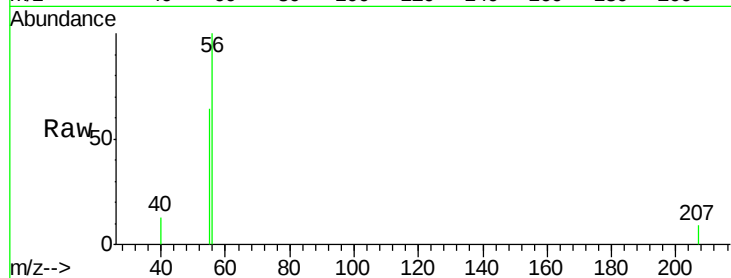
55 66.9 56.5 84.7

Manual Integrations

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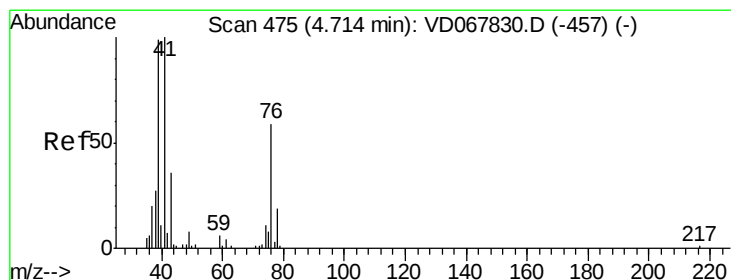
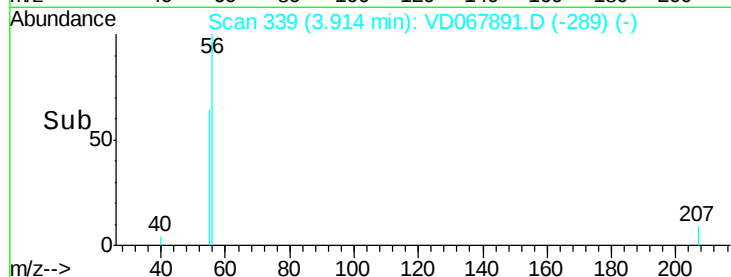
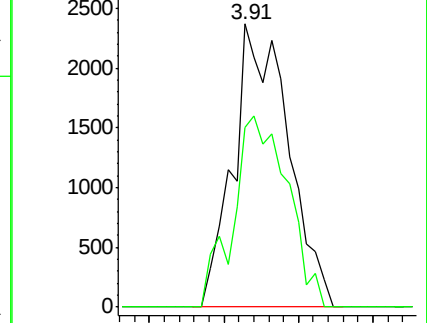
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.370 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

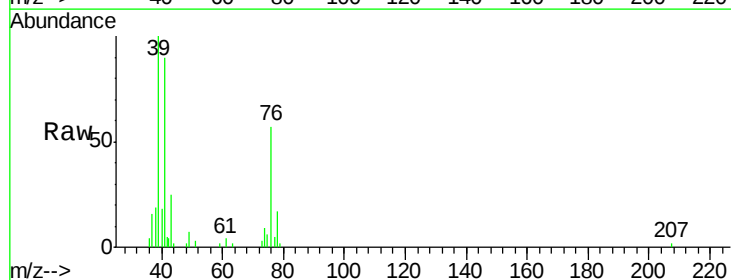
Tgt Ion: 41 Resp: 27784

Ion Ratio Lower Upper

41 100

39 110.1 79.0 118.6

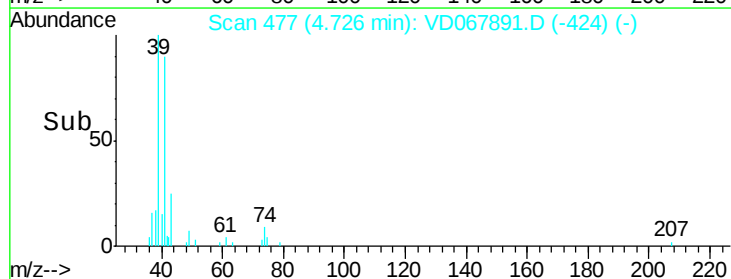
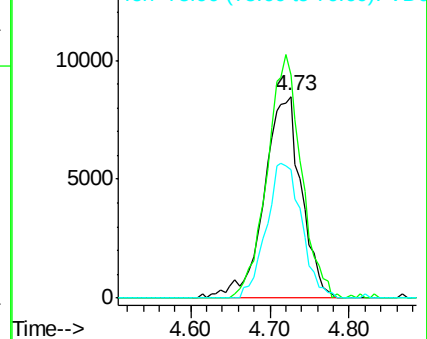
76 63.0 46.6 70.0

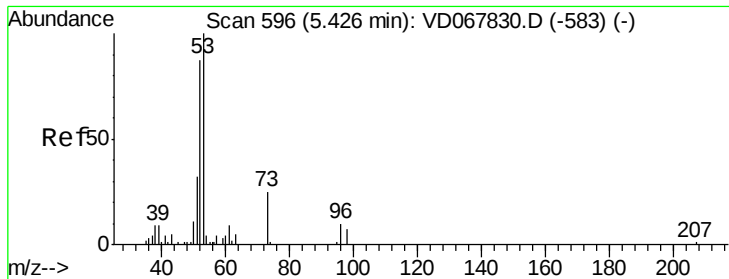


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 93.519 ug/l m

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

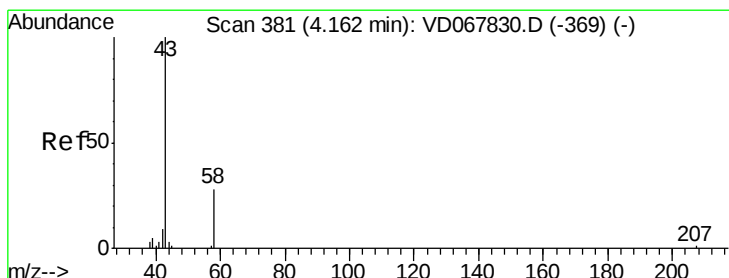
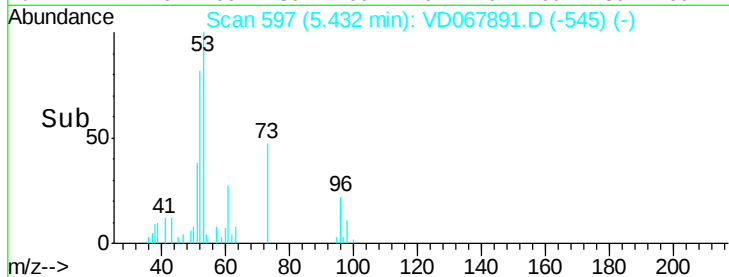
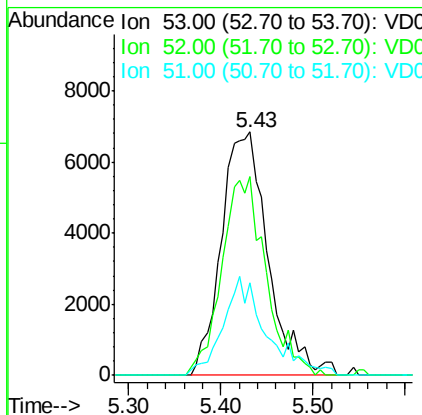
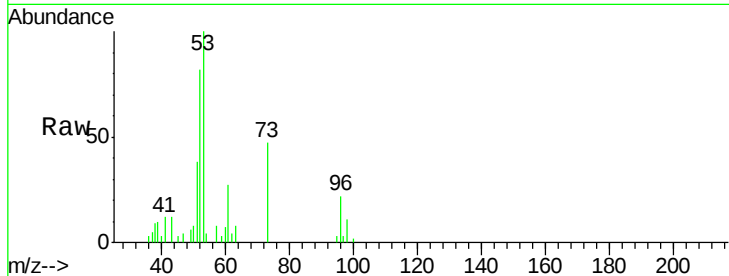
ClientSampleId :

VD1207SBS01

Tot Ion:	53	Resp:	24137
Ion Ratio	Lower	Upper	
53	100		
52	77.1	66.2	99.2
51	37.7	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 82.603 ug/l

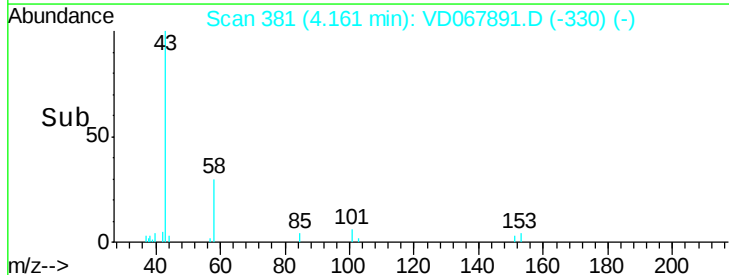
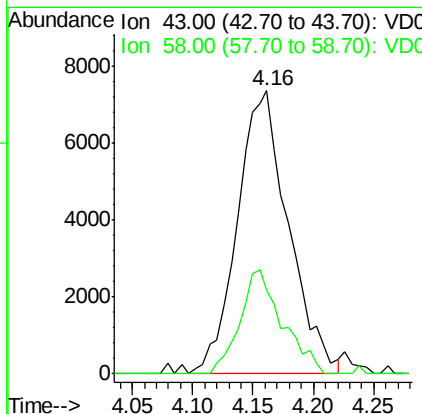
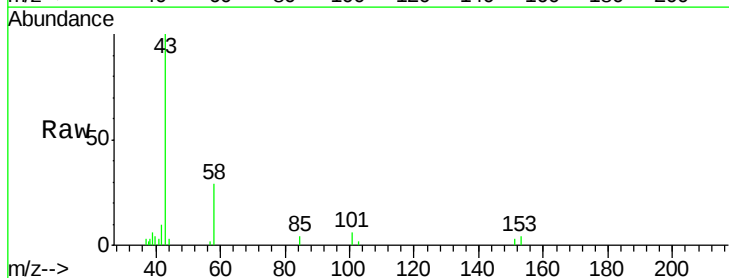
RT: 4.16 min Scan# 381

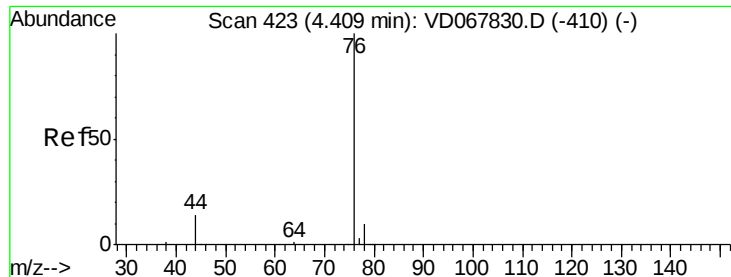
Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Tgt Ion:	43	Resp:	21620
Ion Ratio	Lower	Upper	
43	100		
58	29.4	21.9	32.9





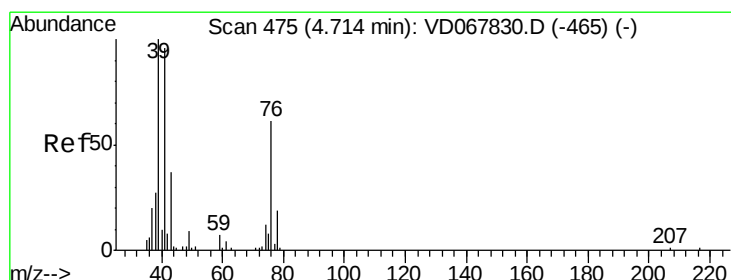
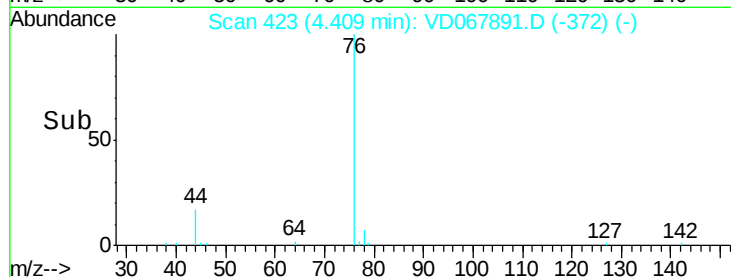
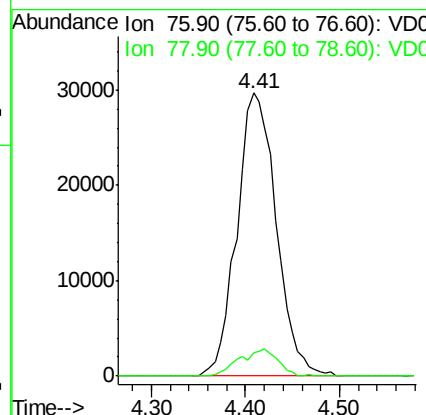
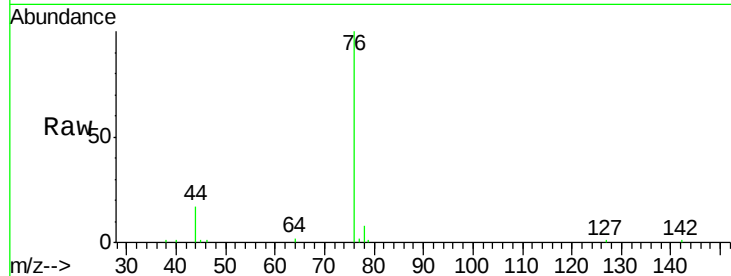
#17
Carbon Disulfide
Concen: 18.887 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion: 76 Resp: 86214
Ion Ratio Lower Upper
76 100
78 8.4 7.8 11.6

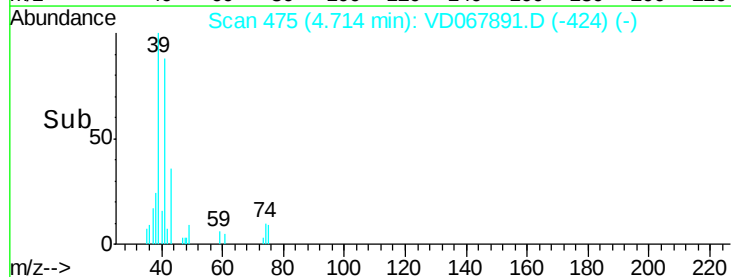
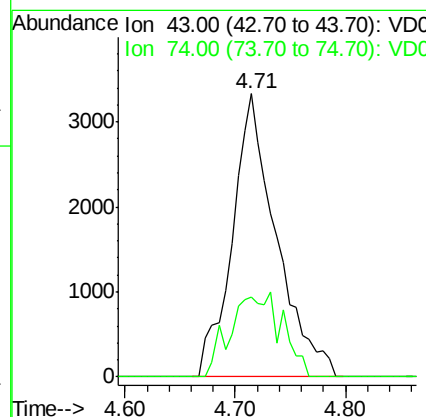
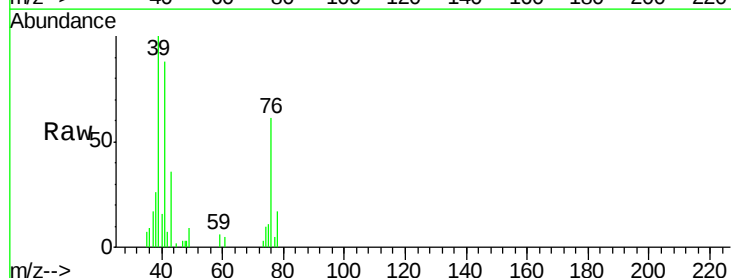
Manual Integrations
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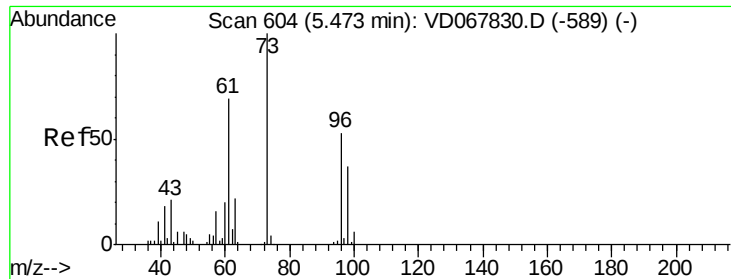
MMDadoda
12/8/2020 5:05:41 PM



#18
Methyl Acetate
Concen: 18.433 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion: 43 Resp: 9280
Ion Ratio Lower Upper
43 100
74 34.6 27.0 40.4





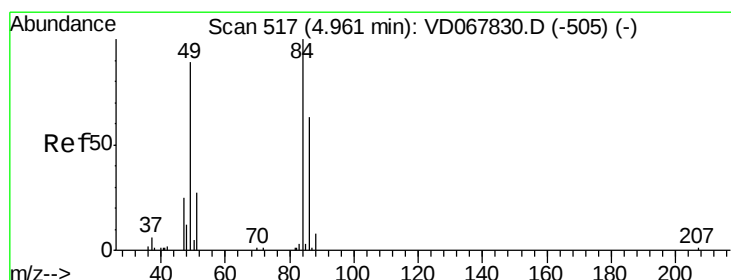
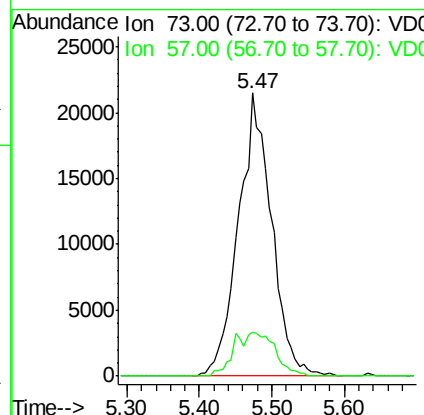
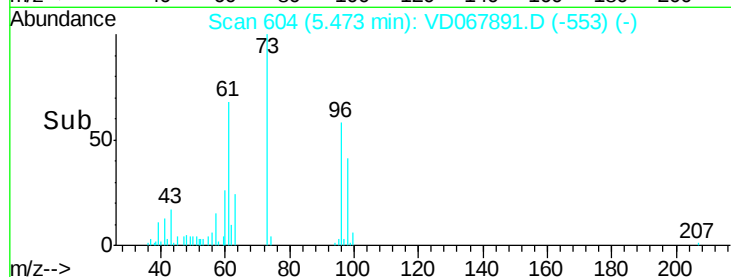
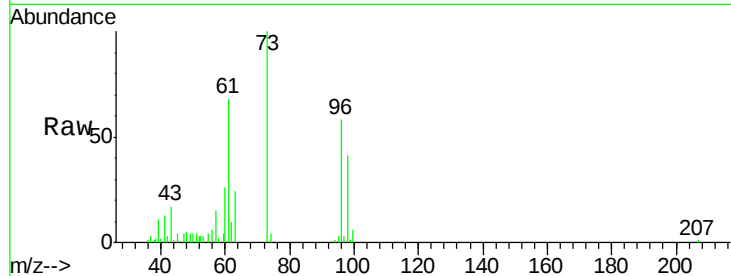
#19
Methvl tert-butvl Ether
Concen: 19.436 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion: 73 Resp: 68042
Ion Ratio Lower Upper
73 100
57 15.5 13.2 19.8

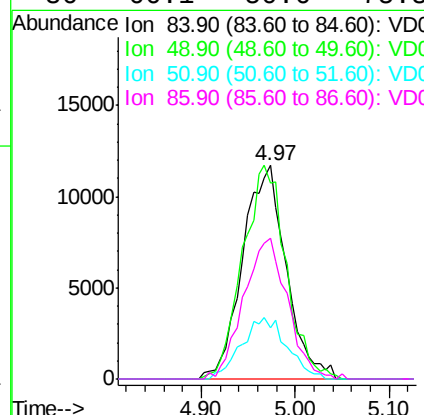
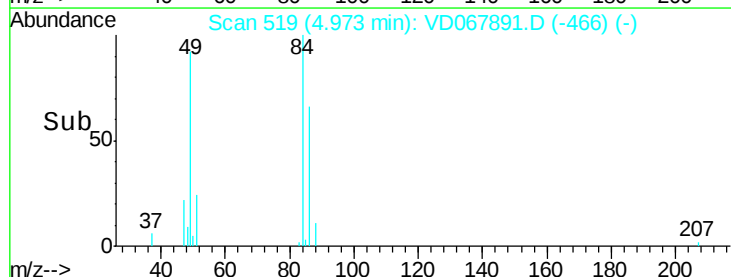
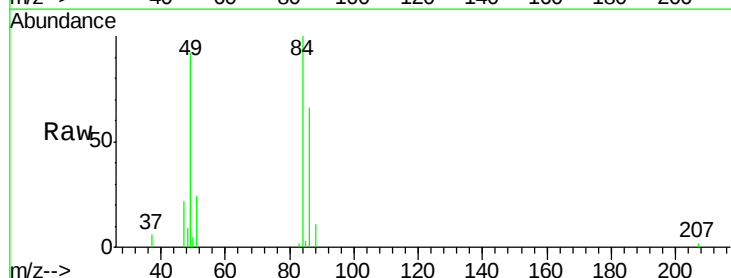
Manual Integrations
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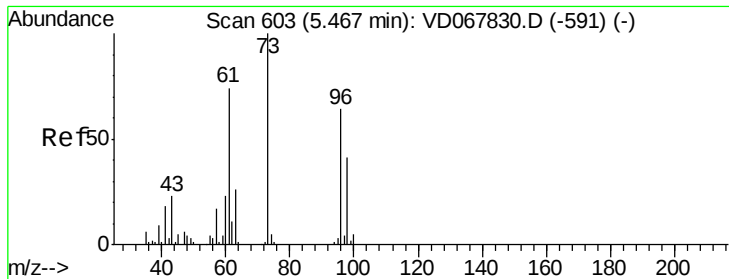
MMDadoda
12/8/2020 5:05:41 PM



#20
Methylene Chloride
Concen: 19.675 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion: 84 Resp: 37581
Ion Ratio Lower Upper
84 100
49 91.9 71.4 107.0
51 24.3 21.8 32.8
86 66.1 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 19.909 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

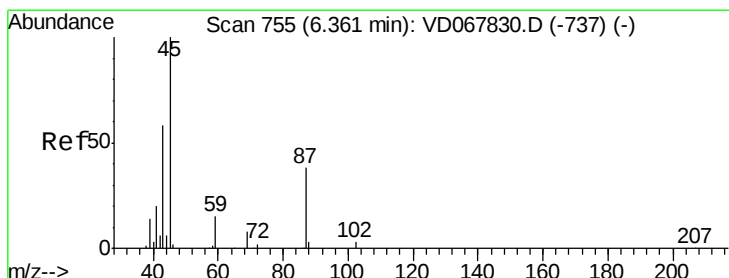
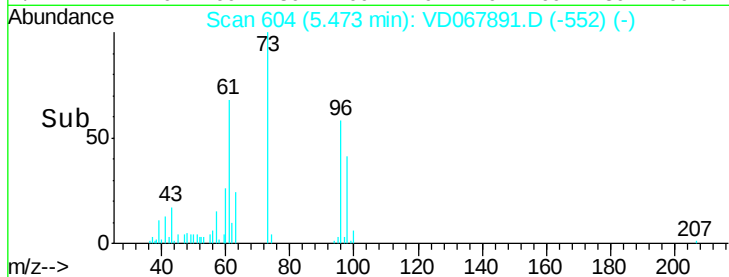
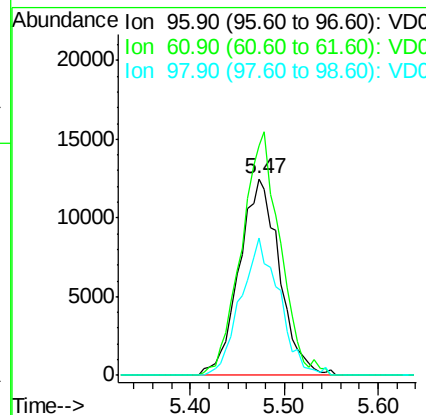
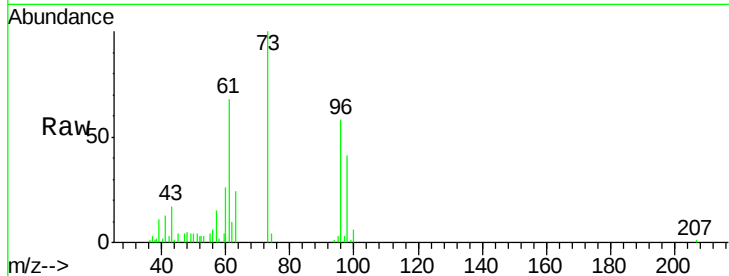
ClientSampleId :

VD1207SBS01

Tot Ion:	96	Resp:	37039
Ion	Ratio	Lower	Upper
96	100		
61	117.1	93.1	139.7
98	69.7	52.2	78.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.204 ug/l

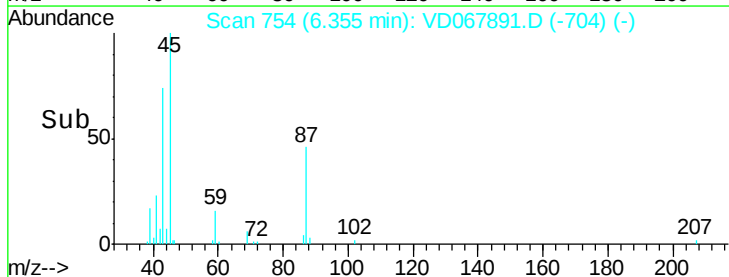
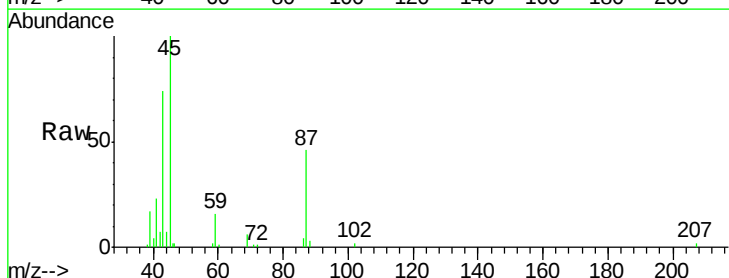
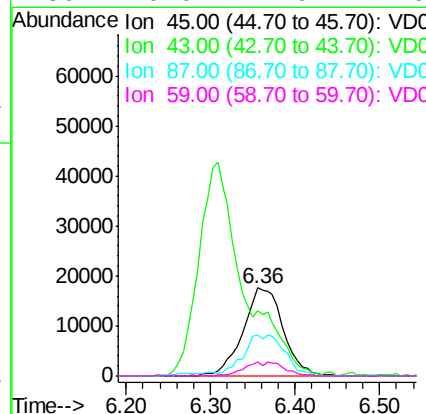
RT: 6.36 min Scan# 754

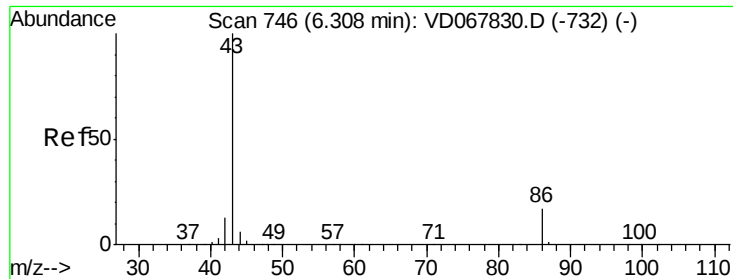
Delta R.T. -0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Tgt Ion:	45	Resp:	58419
Ion	Ratio	Lower	Upper
45	100		
43	72.7	49.8	74.6
87	46.3	32.1	48.1
59	16.0	11.9	17.9





#23

Vinyl Acetate

Concen: 93.586 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 43 Resp: 158378

Ion Ratio Lower Upper

43 100

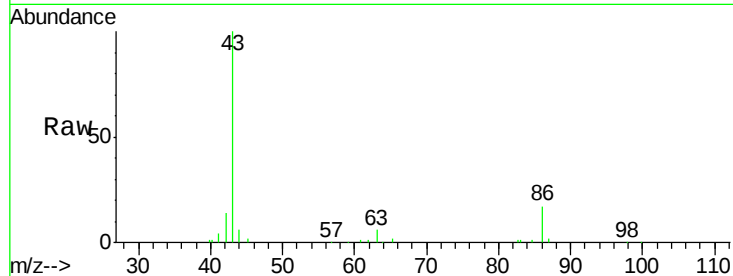
86 17.3 13.8 20.6

Manual Integrations

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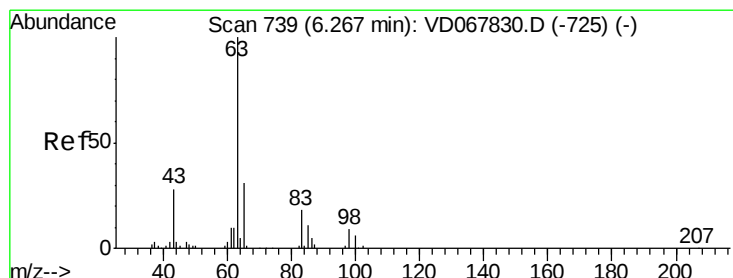
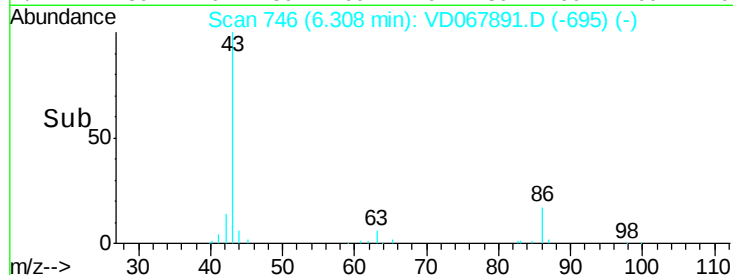
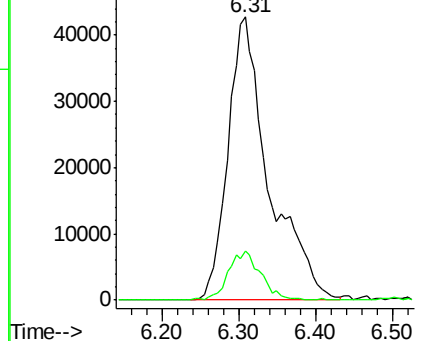
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.936 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

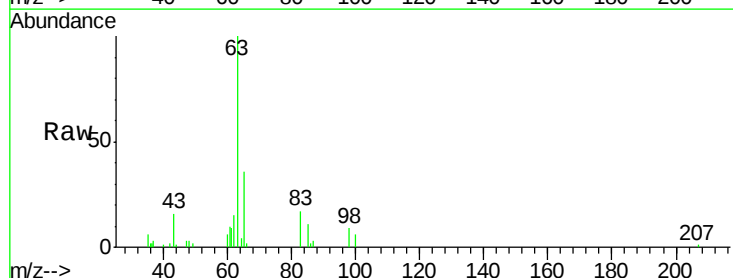
Tgt Ion: 63 Resp: 53163

Ion Ratio Lower Upper

63 100

98 9.0 4.5 13.5

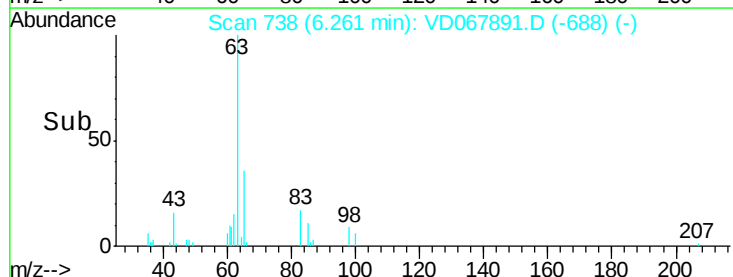
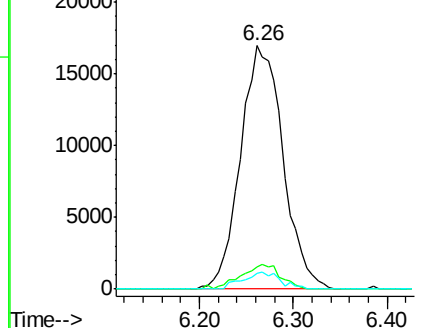
100 6.4 3.0 9.2

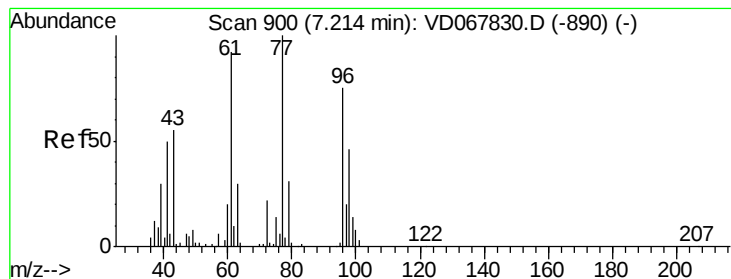


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 85.131 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 43 Resp: 23436

Ion Ratio Lower Upper

43 100

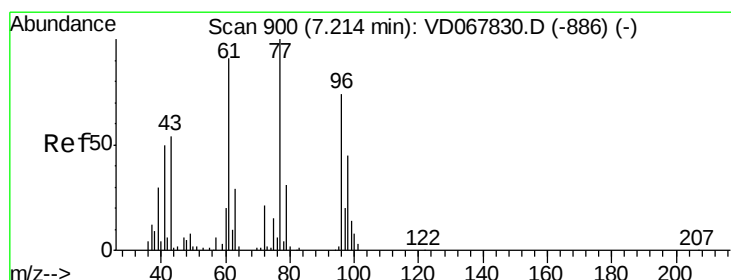
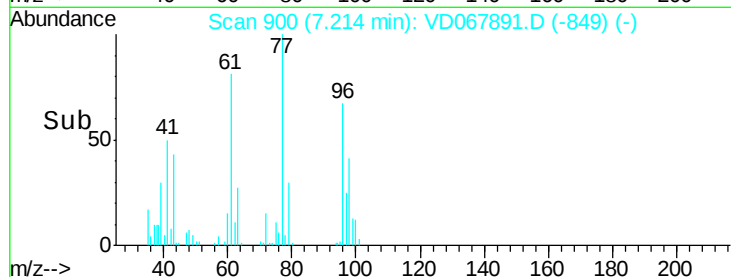
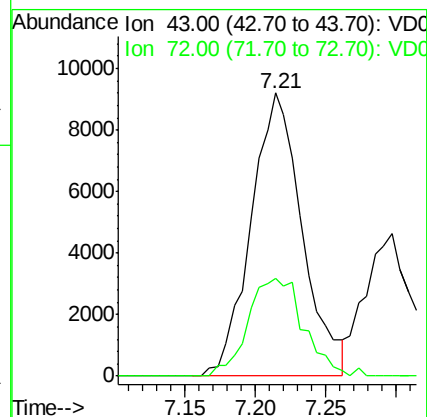
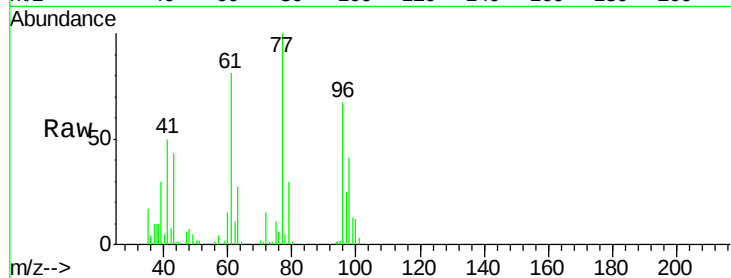
72 34.6 31.3 46.9

Manual Integrations

APPROVED

MMDadoda

12/8/2020 5:05:41 PM



#26

2,2-Dichloropropane

Concen: 20.570 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067891.D

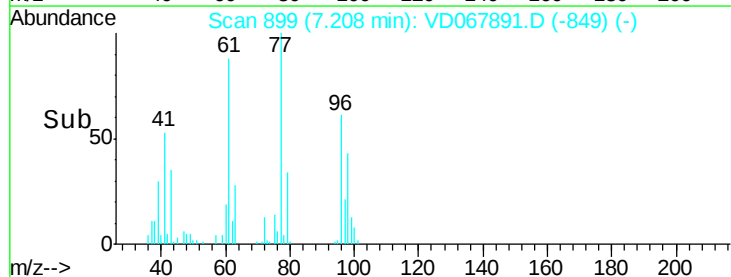
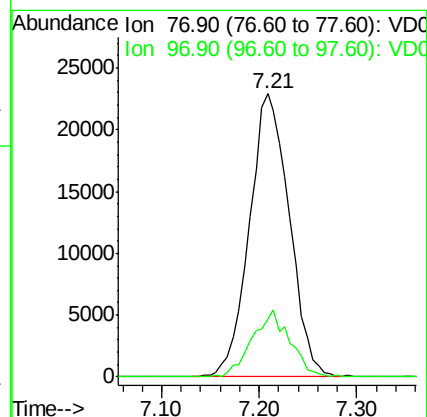
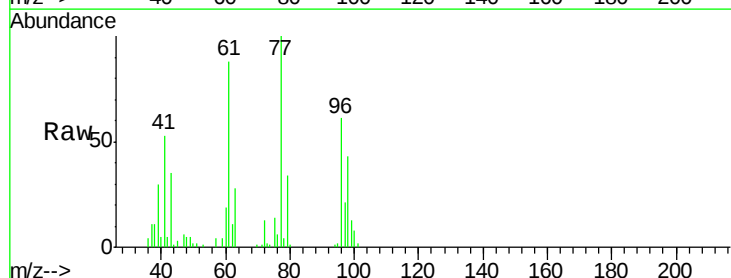
Acq: 07 Dec 2020 11:15

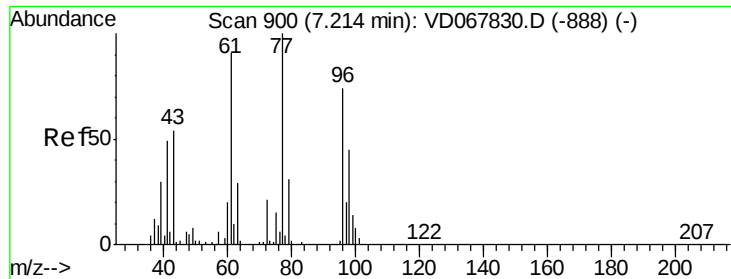
Tgt Ion: 77 Resp: 65411

Ion Ratio Lower Upper

77 100

97 22.3 11.1 33.1





#27

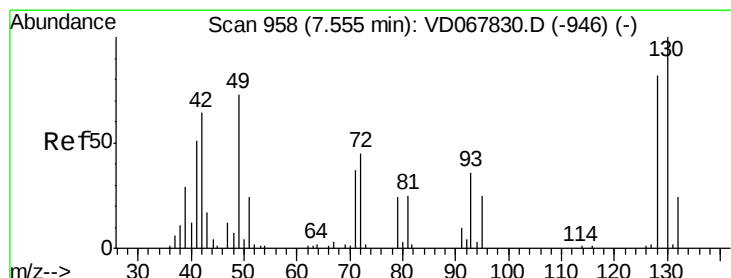
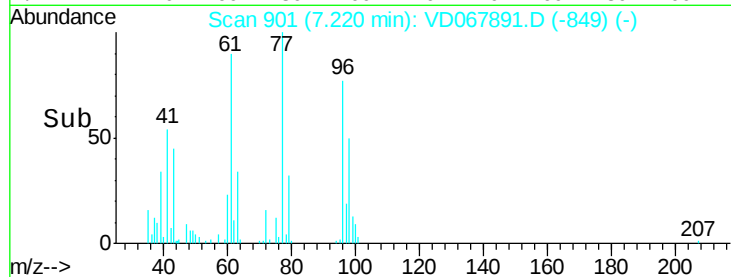
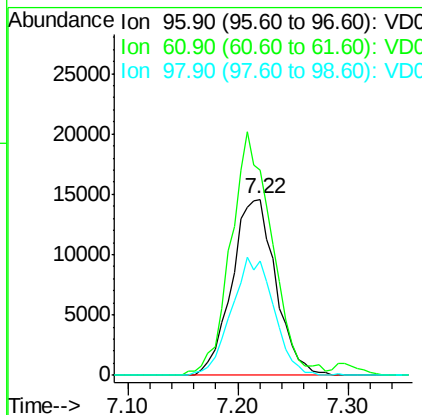
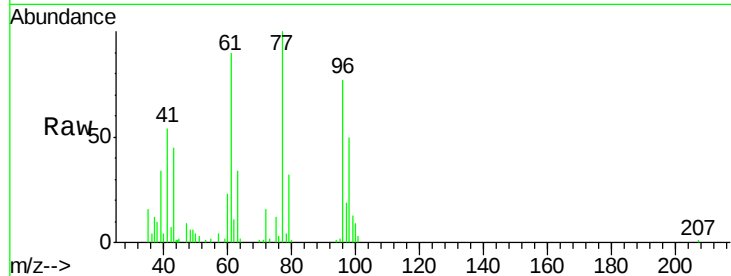
cis-1,2-Dichloroethene
Concen: 19.939 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.9	0.0	248.4
98	65.0	0.0	127.4

Manual Integrations
APPROVED

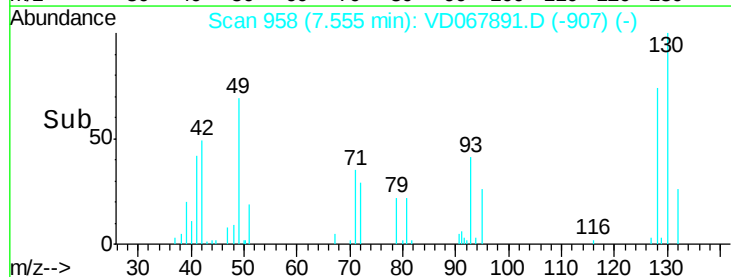
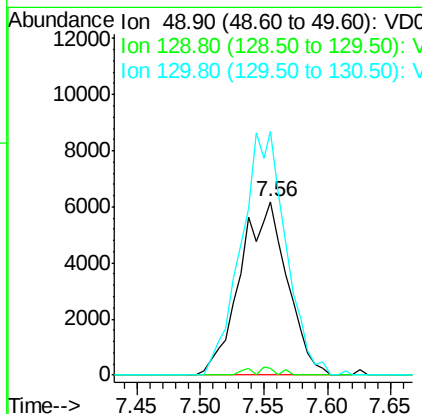
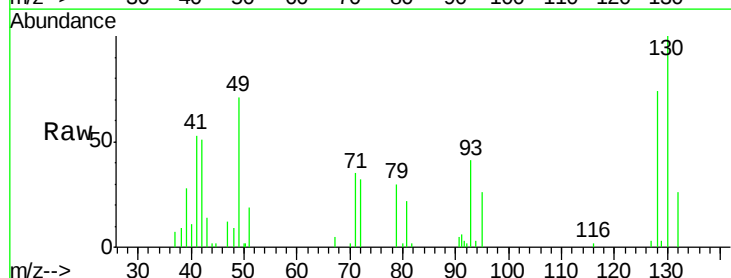
MMDadoda
12/8/2020 5:05:41 PM

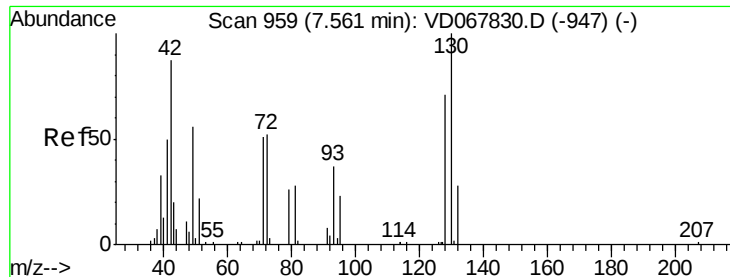


#28

Bromochloromethane
Concen: 18.833 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	133.9	110.2	165.2





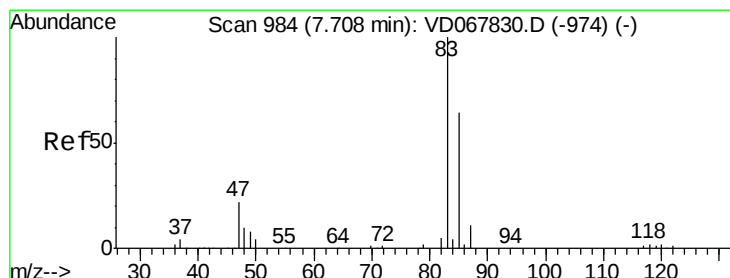
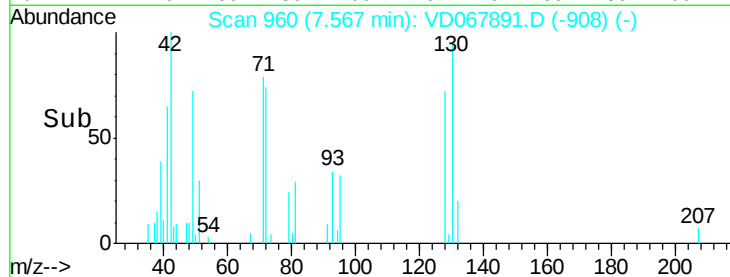
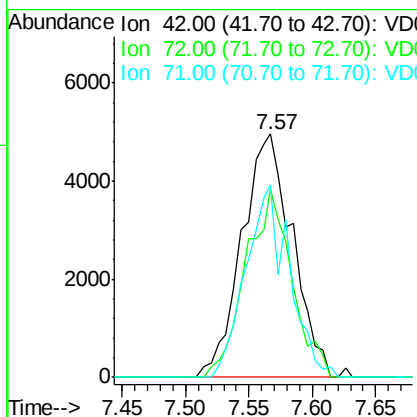
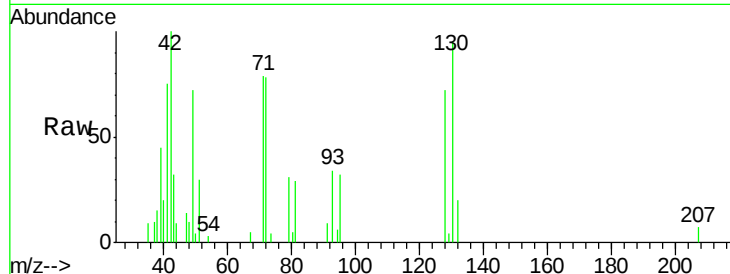
#29
Tetrahydrofuran
Concen: 87.478 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	70.4	51.9	77.9
71	68.1	48.2	72.4

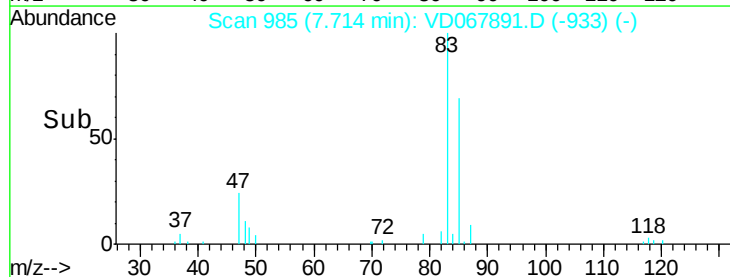
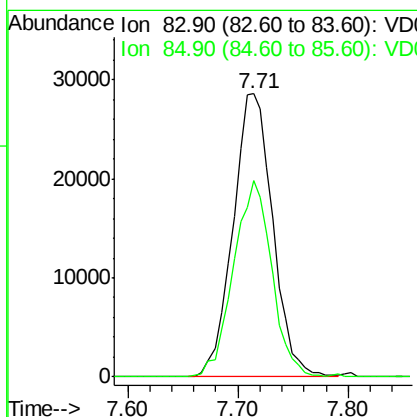
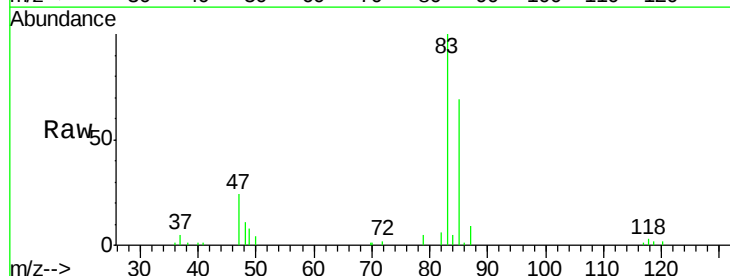
Manual Integrations
APPROVED

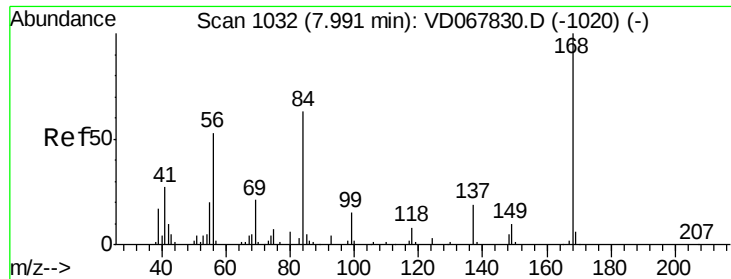
MMDadoda
12/8/2020 5:05:41 PM



#30
Chloroform
Concen: 20.283 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.4	51.0	76.4





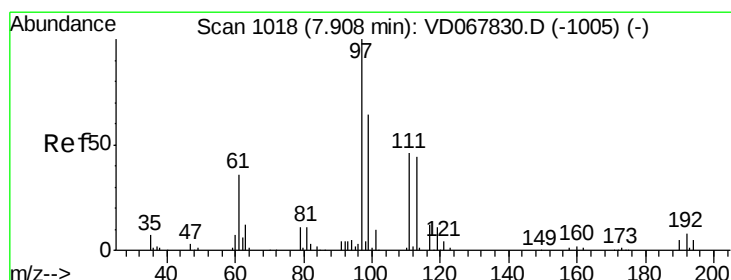
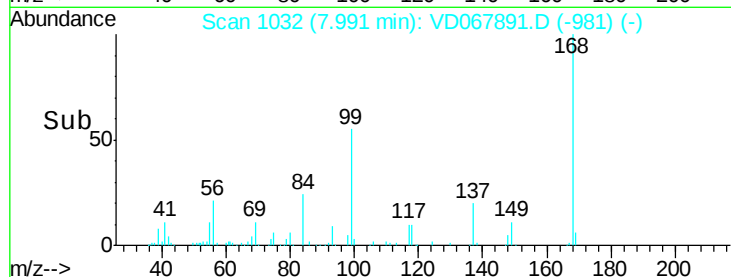
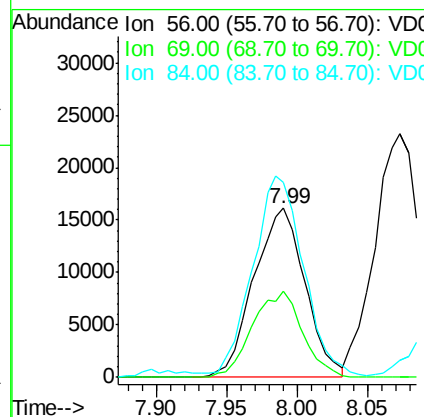
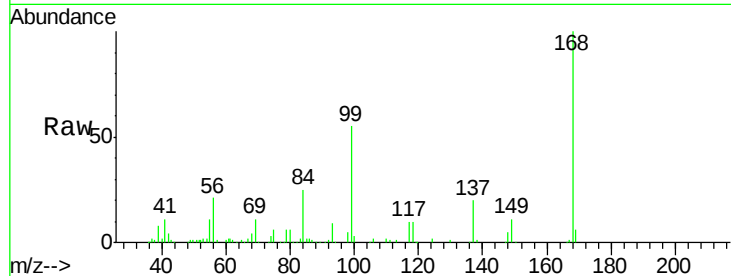
#31
Cyclohexane
Concen: 18.388 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion: 56 Resp: 41035
Ion Ratio Lower Upper
56 100
69 51.2 32.1 48.1#
84 113.4 93.2 139.8

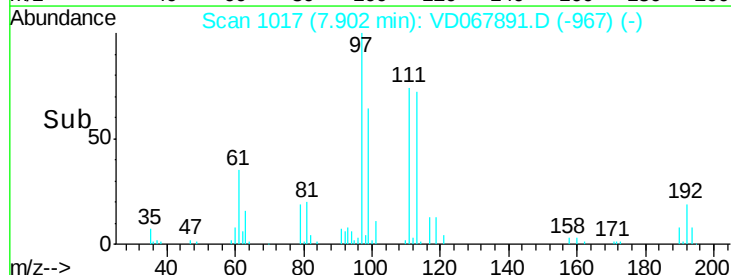
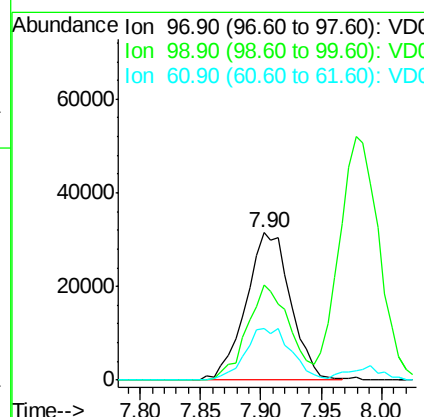
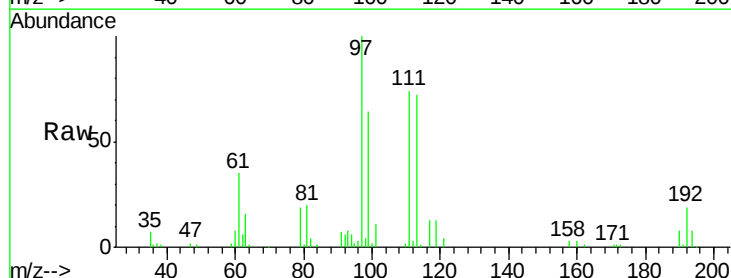
Manual Integrations
APPROVED

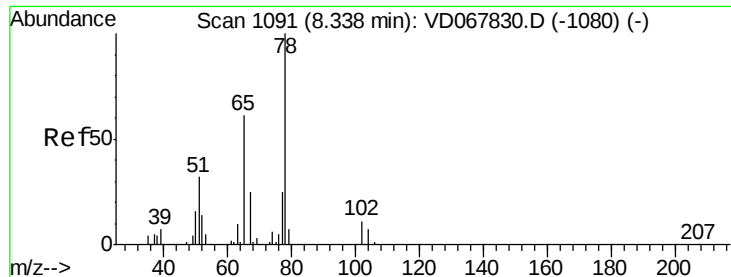
MMDadoda
12/8/2020 5:05:41 PM



#32
1,1,1-Trichloroethane
Concen: 21.457 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion: 97 Resp: 80719
Ion Ratio Lower Upper
97 100
99 61.9 51.4 77.2
61 36.0 30.8 46.2





#33

1,2-Dichloroethane-d4

Concen: 47.391 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 65 Resp: 100379

Ion Ratio Lower Upper

65 100

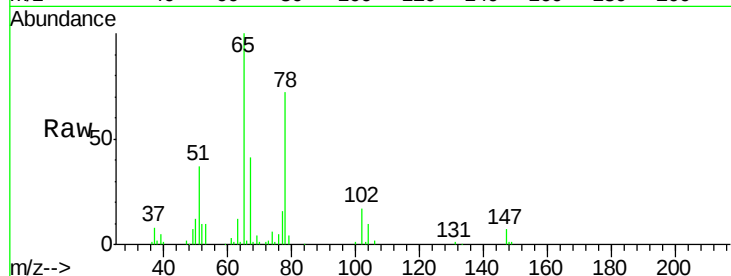
67 44.6 0.0 92.0

Manual Integrations

APPROVED

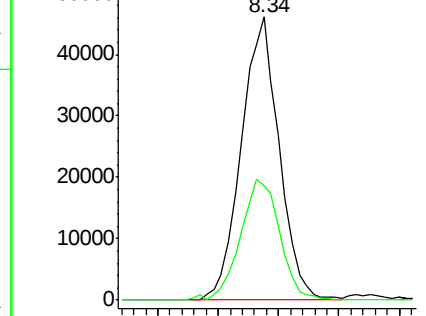
MMDadoda

12/8/2020 5:05:41 PM

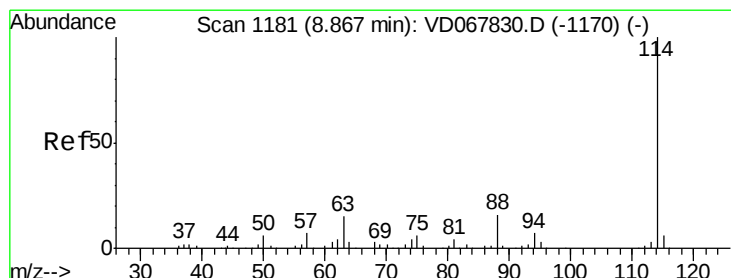
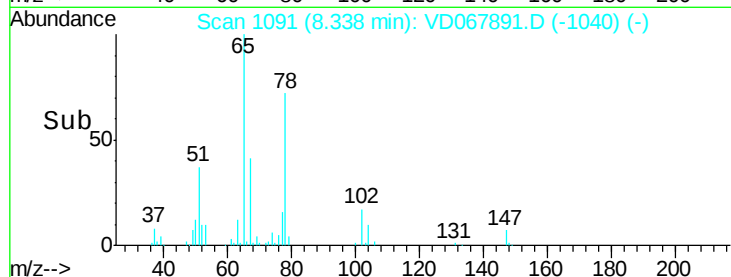


Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

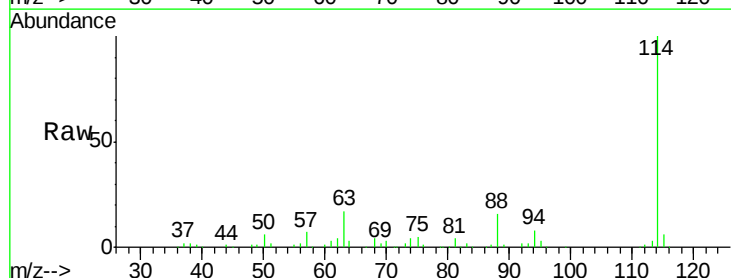
Tgt Ion:114 Resp: 280234

Ion Ratio Lower Upper

114 100

63 17.0 0.0 30.8

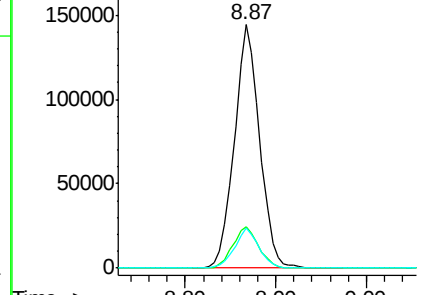
88 16.4 0.0 31.8



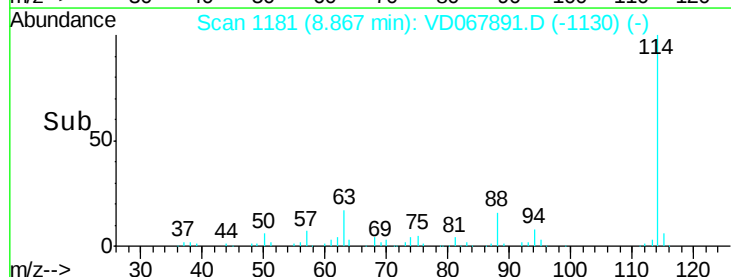
Abundance Ion 113.90 (113.60 to 114.60): VDC

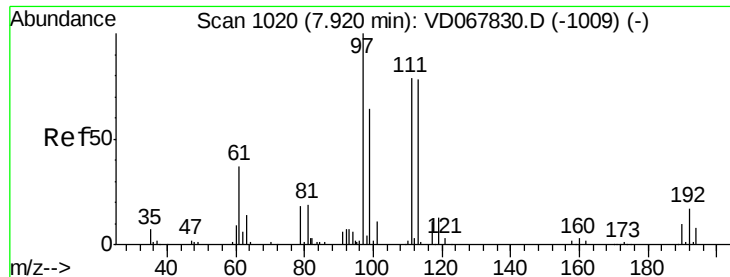
Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC



Time-->





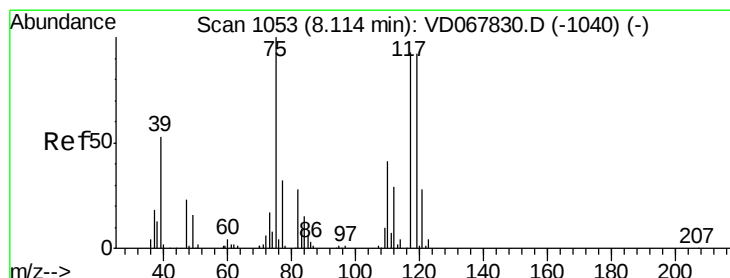
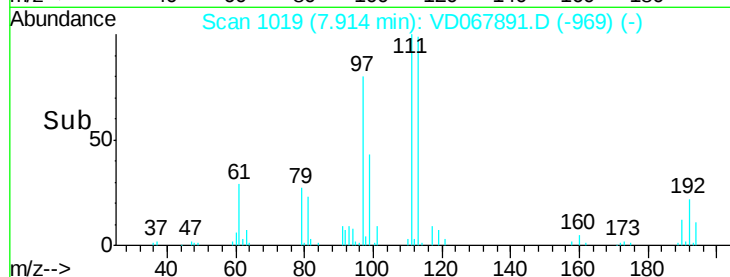
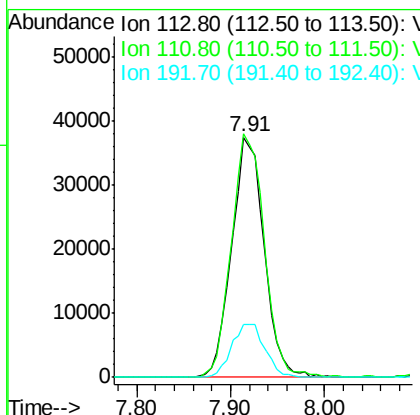
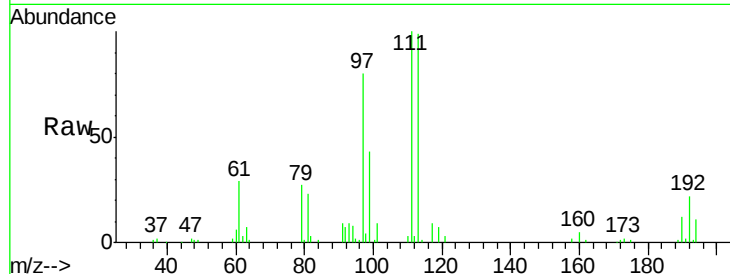
#35
Dibromofluoromethane
Concen: 47.775 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.2	121.8
192	22.8	16.8	25.2

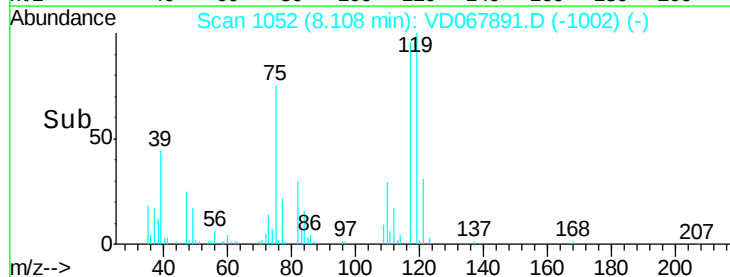
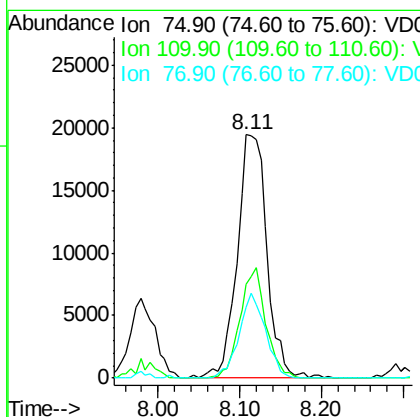
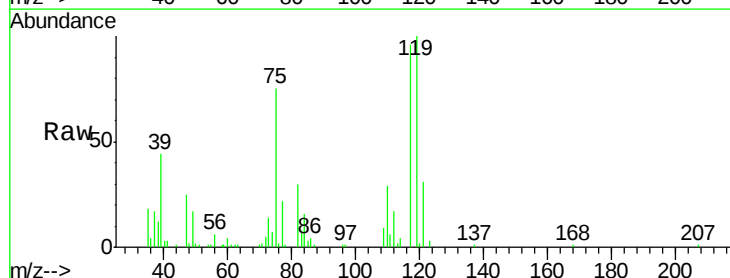
Manual Integrations
APPROVED

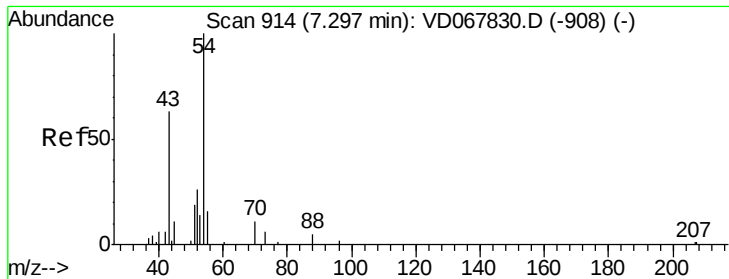
MMDadoda
12/8/2020 5:05:41 PM



#36
1,1-Dichloropropene
Concen: 20.364 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.3	20.3	61.0
77	30.7	24.7	37.1





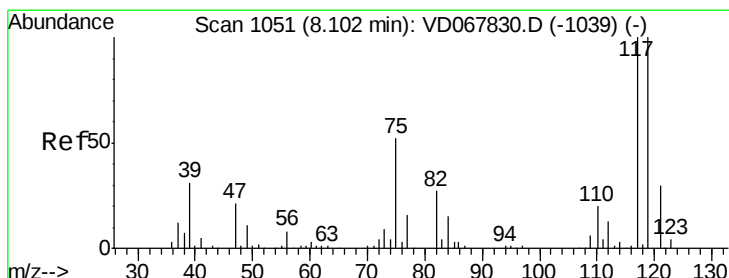
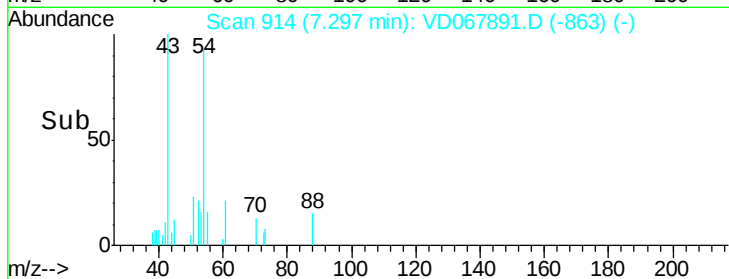
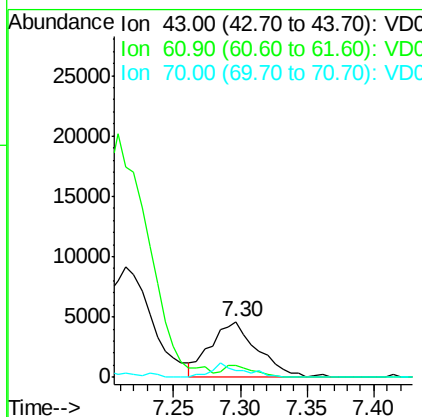
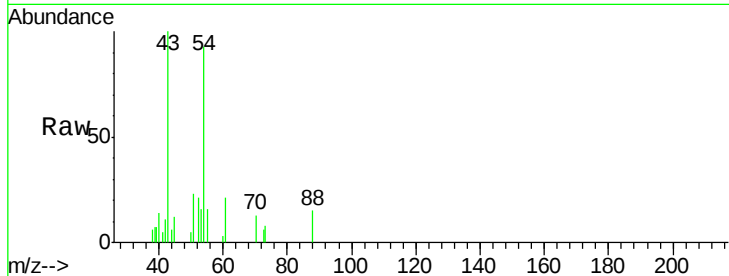
#37
Ethyl Acetate
Concen: 17.281 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.4	17.2
70	16.9	11.5	17.3

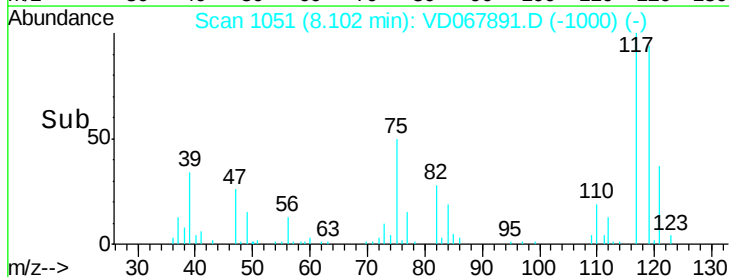
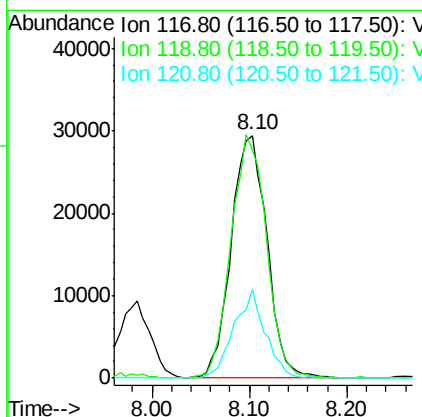
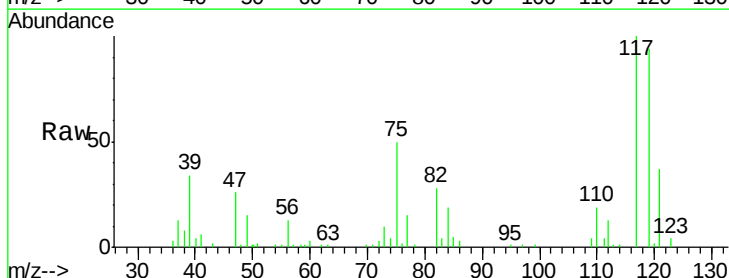
Manual Integrations
APPROVED

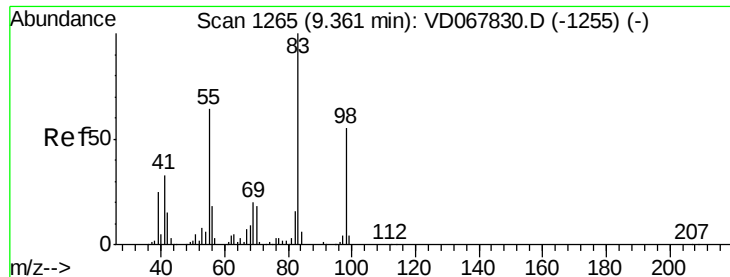
MMDadoda
12/8/2020 5:05:41 PM



#38
Carbon Tetrachloride
Concen: 20.600 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	79.7	119.5
121	36.7	23.8	35.6#





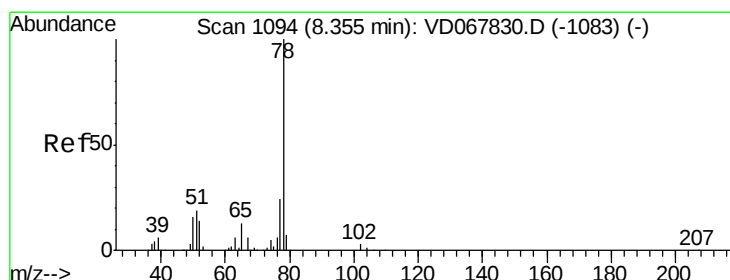
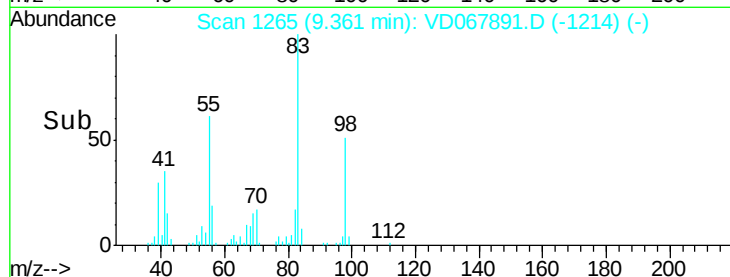
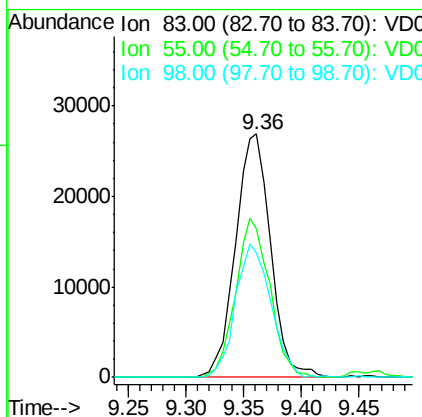
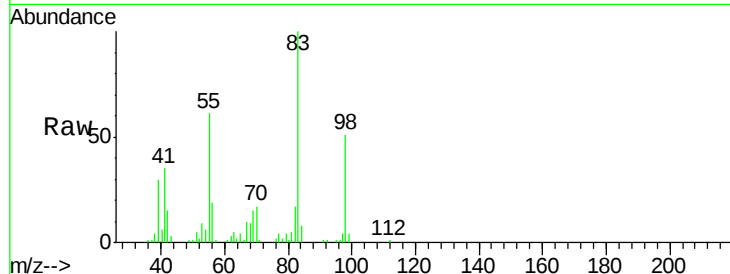
#39
Methvlcvclohexane
Concen: 19.756 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	60.9	51.6	77.4
98	51.0	44.3	66.5

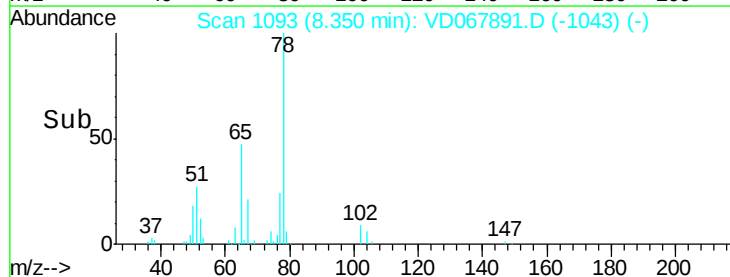
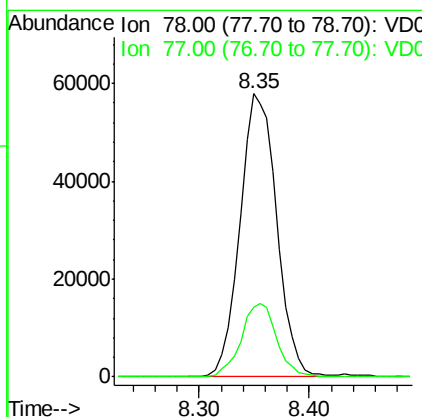
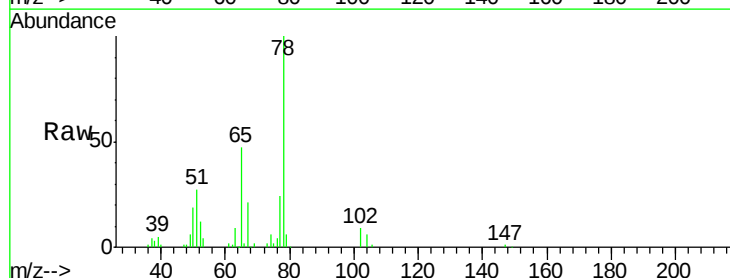
Manual Integrations
APPROVED

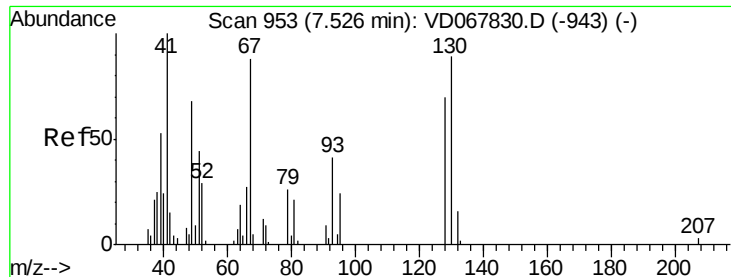
MMDadoda
12/8/2020 5:05:41 PM



#40
Benzene
Concen: 20.365 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.1	28.7





#41

Methacrylonitrile

Concen: 21.617 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

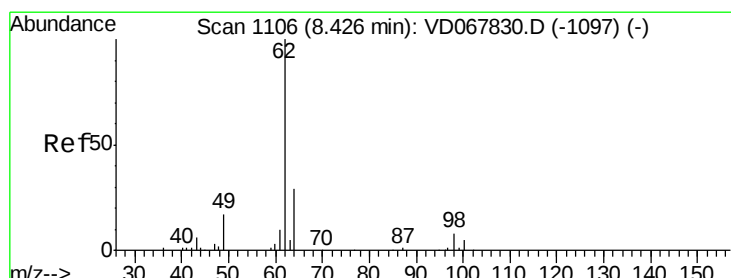
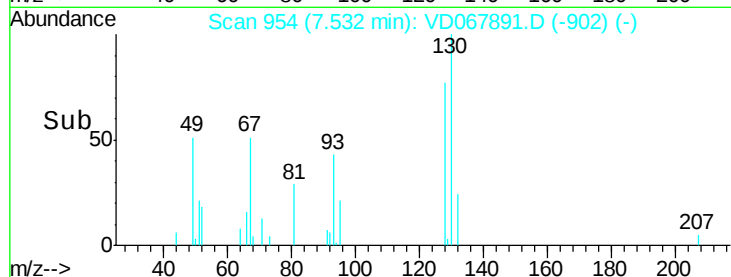
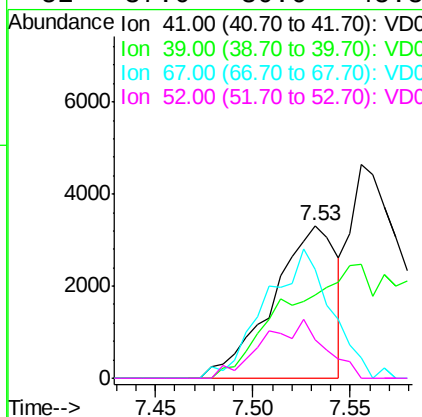
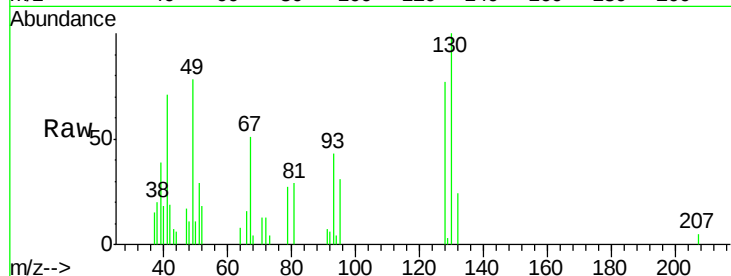
ClientSampleId :

VD1207SBS01

Tot Ion	41	Resp:	7501
Ion Ratio	Lower	Upper	
41	100		
39	0.0	42.1	63.1#
67	87.7	82.4	123.6
52	37.0	30.6	45.8

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:05:41 PM



#42

1,2-Dichloroethane

Concen: 20.882 ug/l

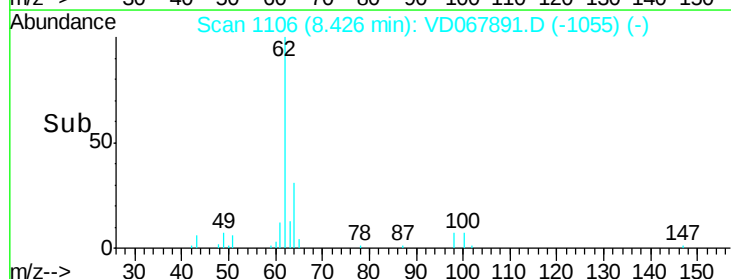
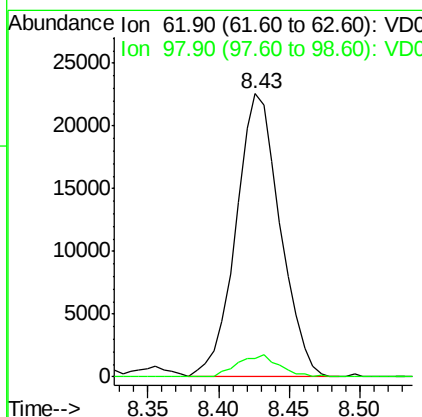
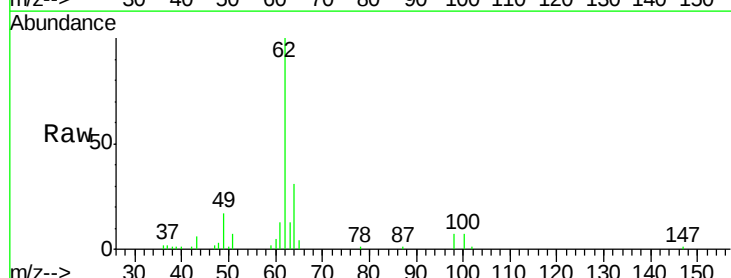
RT: 8.43 min Scan# 1106

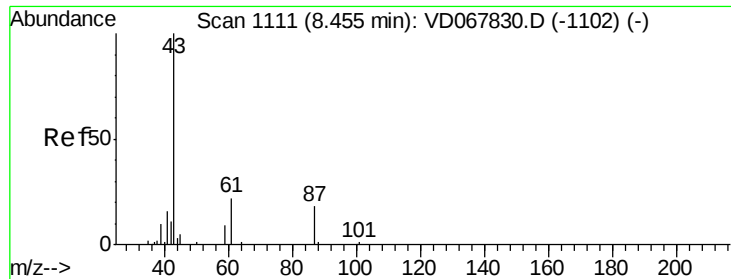
Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Tgt Ion	62	Resp:	49404
Ion Ratio	Lower	Upper	
62	100		
98	7.5	0.0	17.2





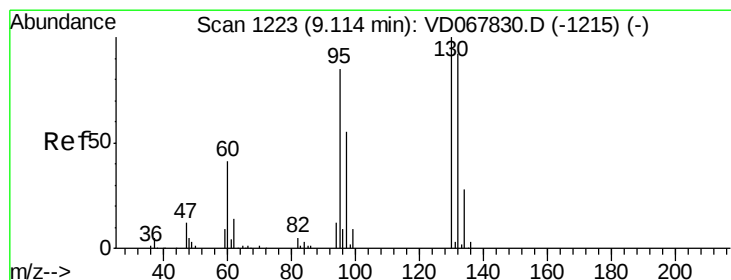
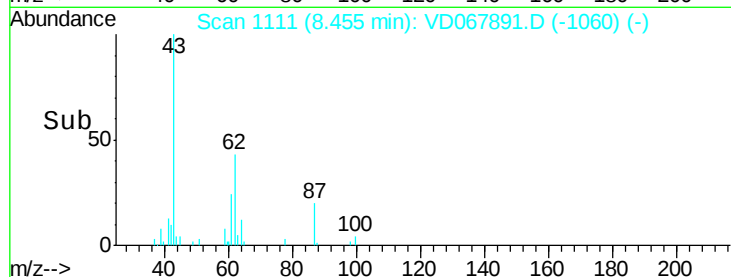
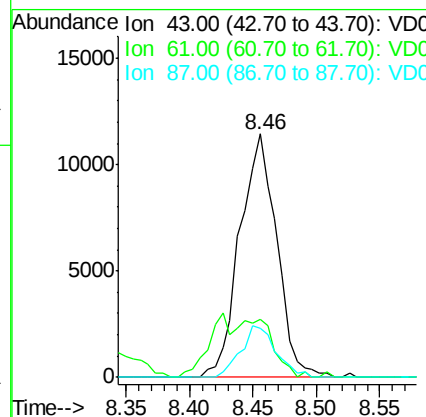
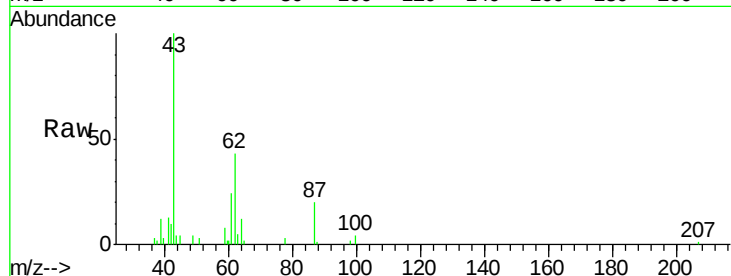
#43
Isopropyl Acetate
Concen: 17.994 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	30.4	45.6#
87	20.1	16.2	24.2

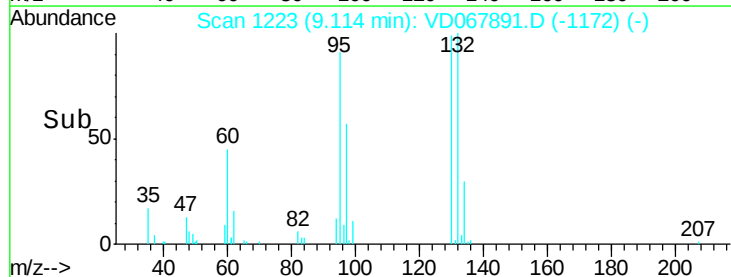
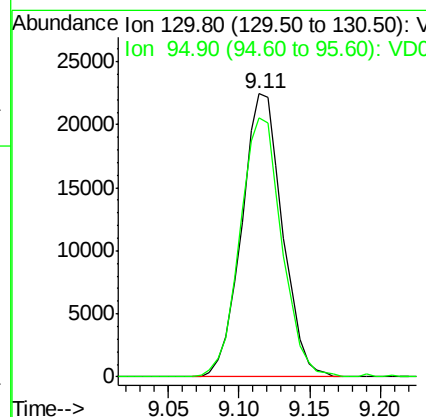
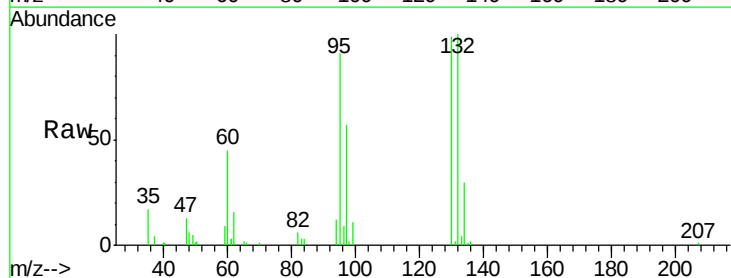
Manual Integrations
APPROVED

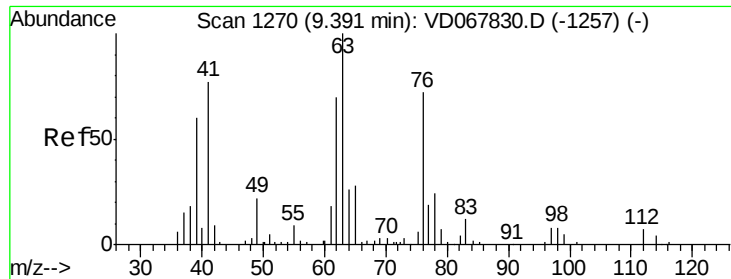
MMDadoda
12/8/2020 5:05:41 PM



#44
Trichloroethene
Concen: 19.852 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.7	0.0	170.2





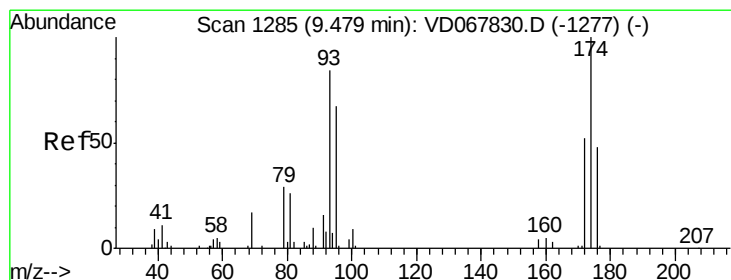
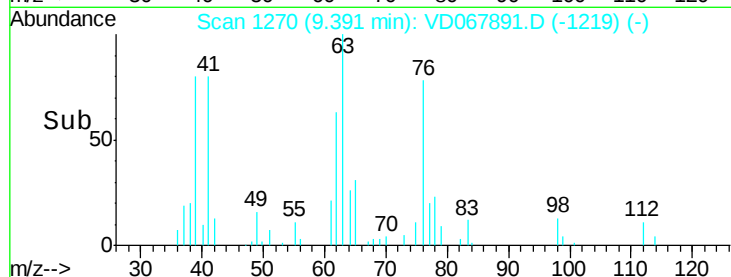
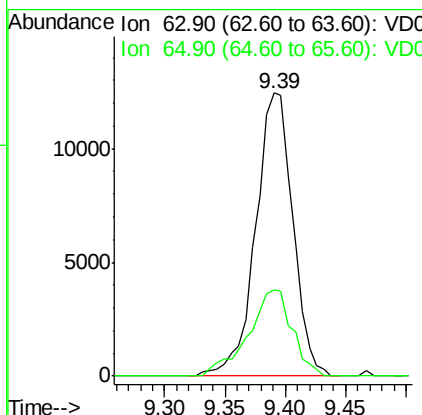
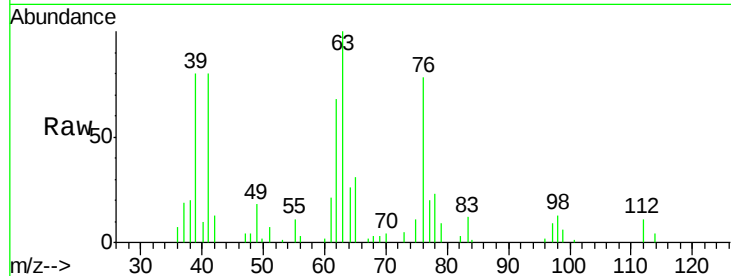
#45
 1,2-Dichloropropane
 Concen: 19.528 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Tot Ion: 63 Resp: 26606
 Ion Ratio Lower Upper
 63 100
 65 30.7 22.8 34.2

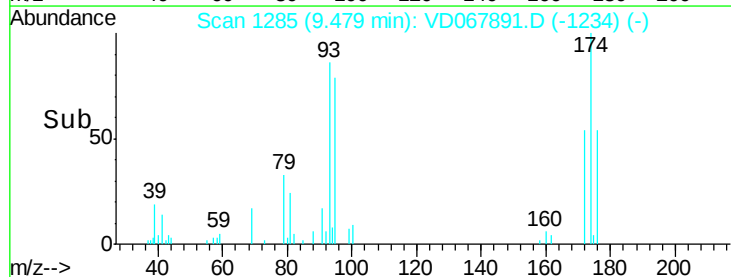
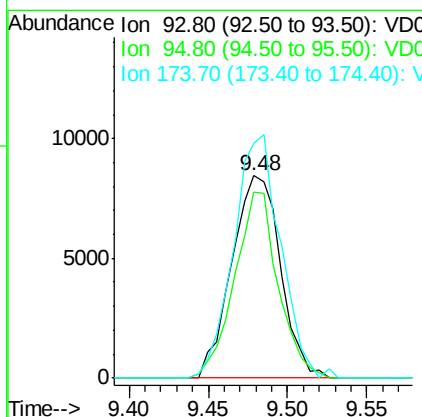
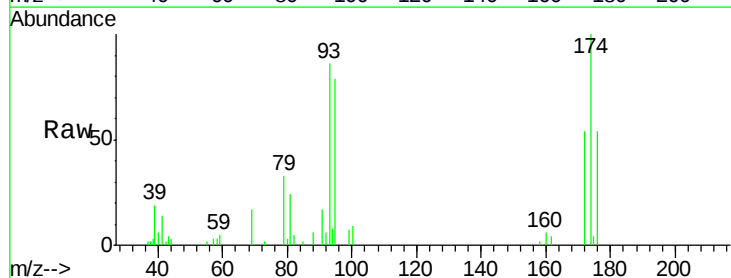
Manual Integrations
 APPROVED

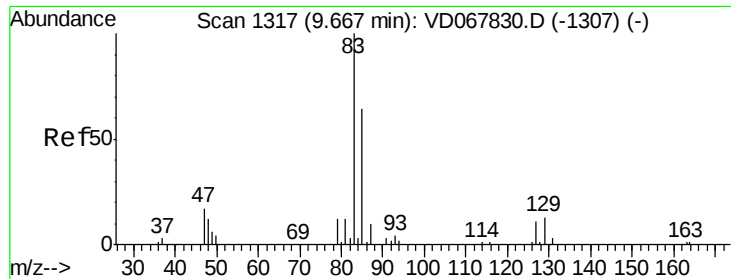
MMDadoda
 12/8/2020 5:05:41 PM



#46
 Dibromomethane
 Concen: 19.038 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

Tgt Ion: 93 Resp: 18034
 Ion Ratio Lower Upper
 93 100
 95 82.0 64.2 96.4
 174 115.8 91.5 137.3





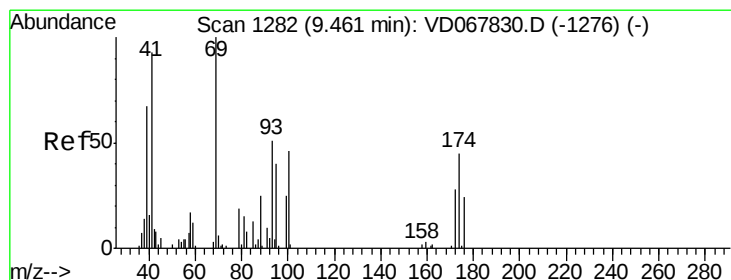
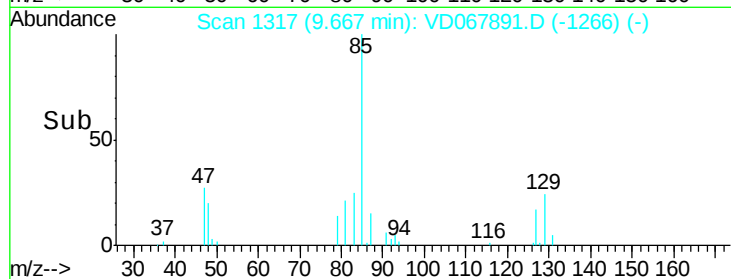
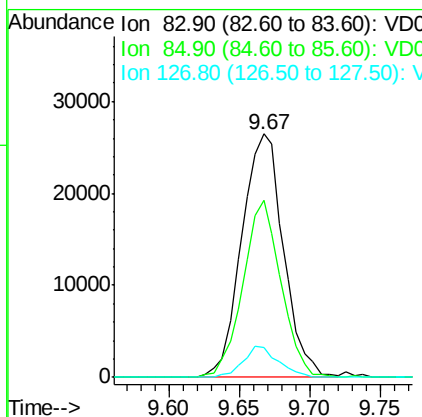
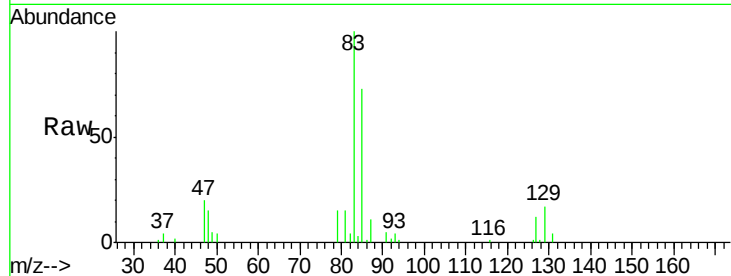
#47
Bromodichloromethane
Concen: 20.340 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	72.6	51.4	77.0
127	12.2	8.5	12.7

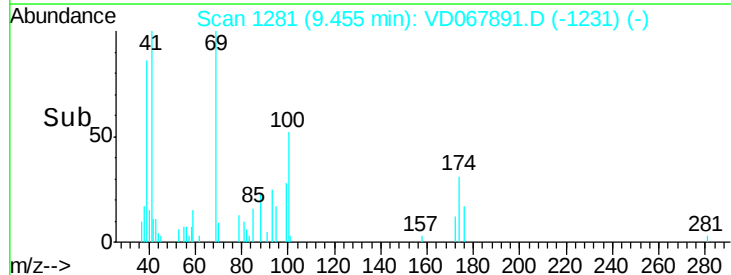
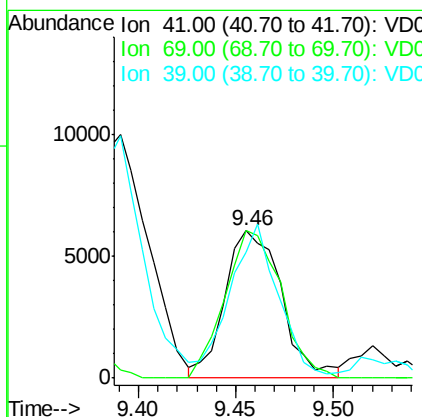
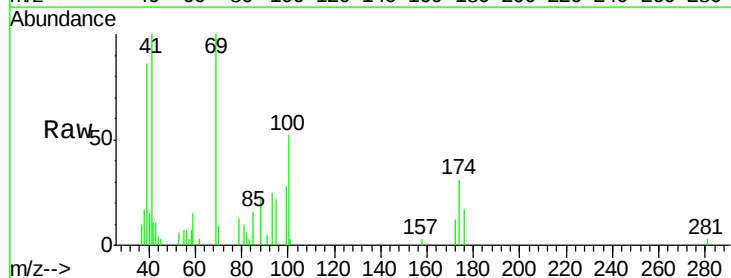
Manual Integrations
APPROVED

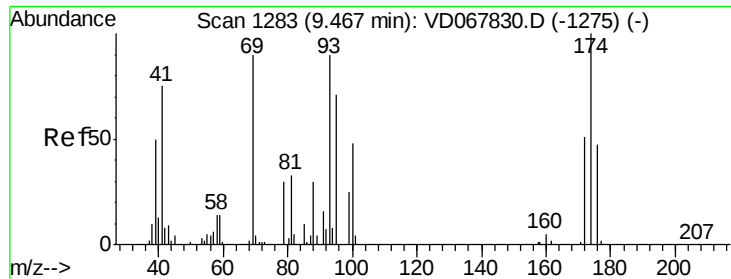
MMDadoda
12/8/2020 5:05:41 PM



#48
Methyl methacrylate
Concen: 18.650 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion	Ratio	Lower	Upper
41	100		
69	99.4	87.6	131.4
39	84.9	61.2	91.8





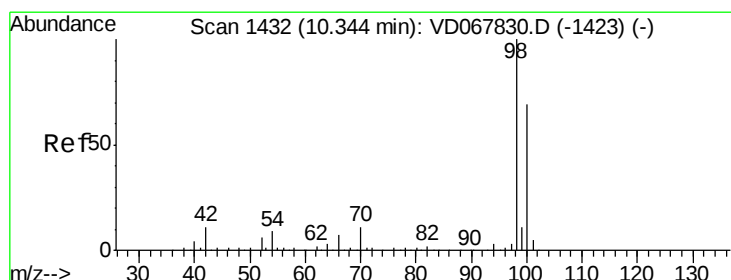
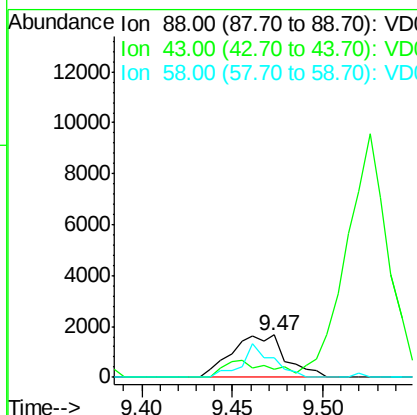
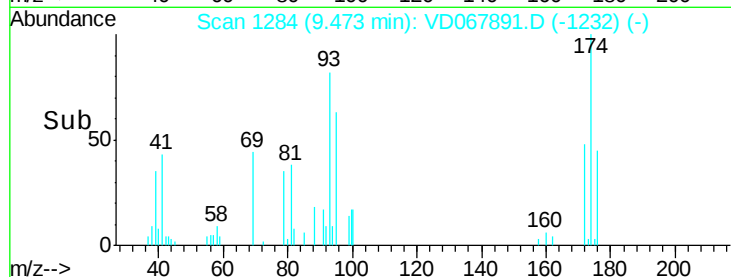
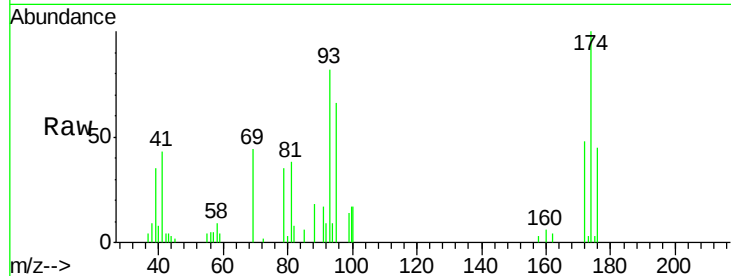
#49
1,4-Dioxane
Concen: 315.687 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	30.1	45.1
58	45.5	42.4	63.6

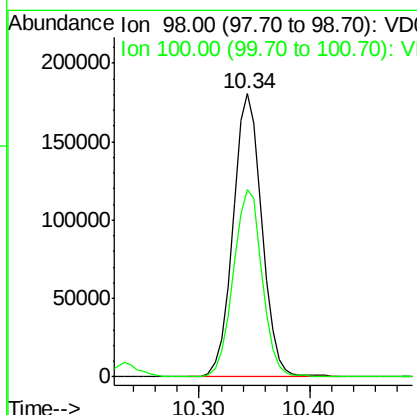
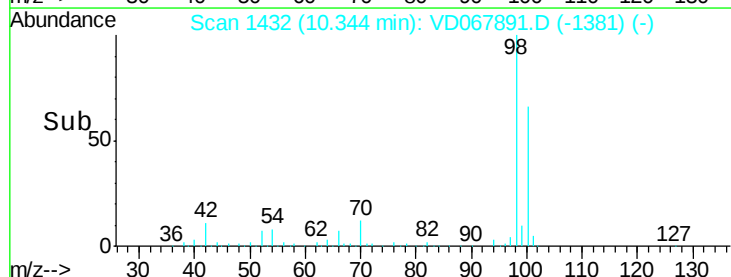
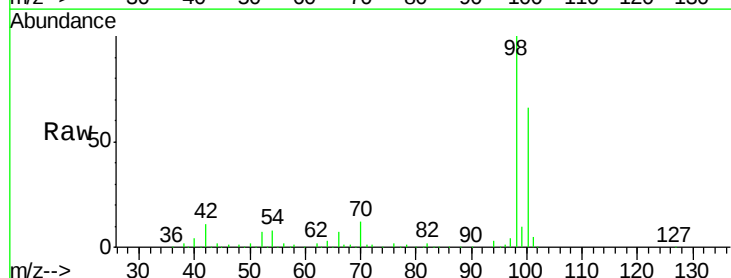
Manual Integrations
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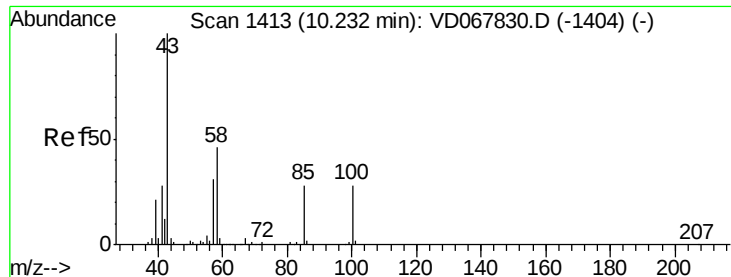
MMDadoda
12/8/2020 5:05:41 PM



#50
Toluene-d8
Concen: 48.863 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 84.915 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 43 Resp: 51703

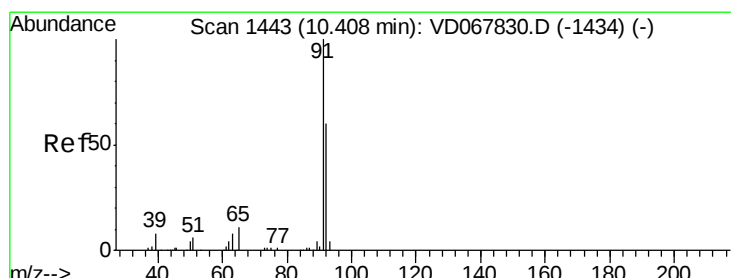
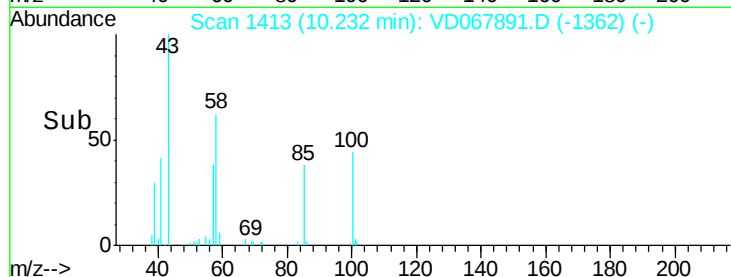
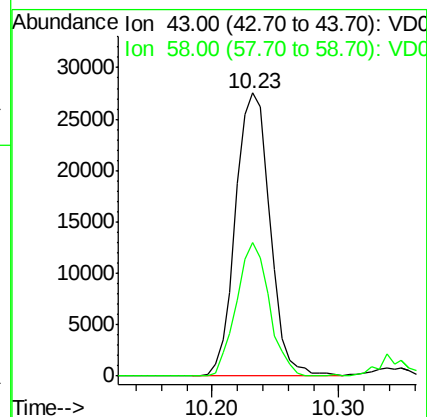
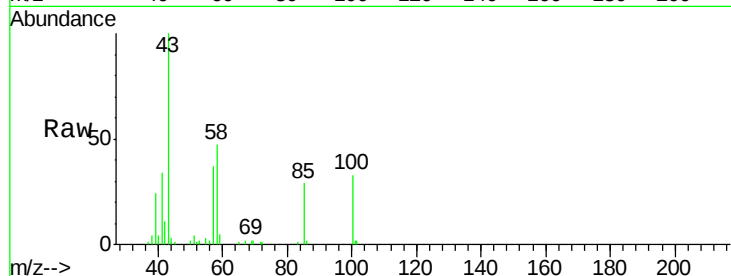
Ion Ratio Lower Upper

43 100

58 45.1 35.7 53.5

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:05:41 PM



#52

Toluene

Concen: 20.682 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067891.D

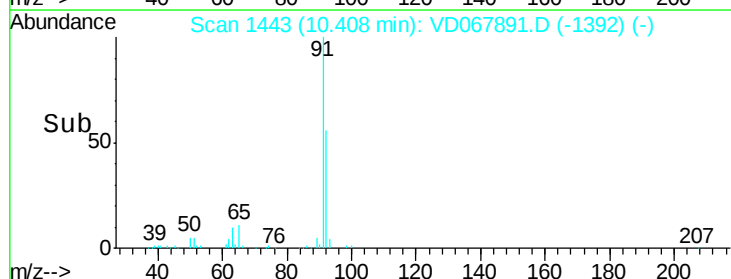
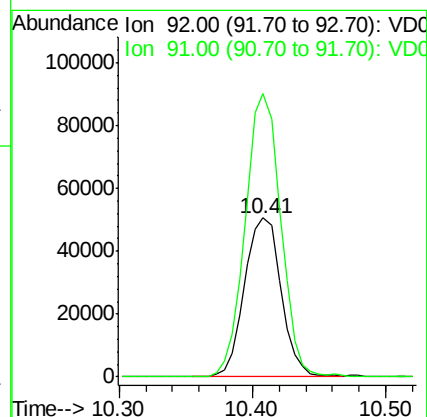
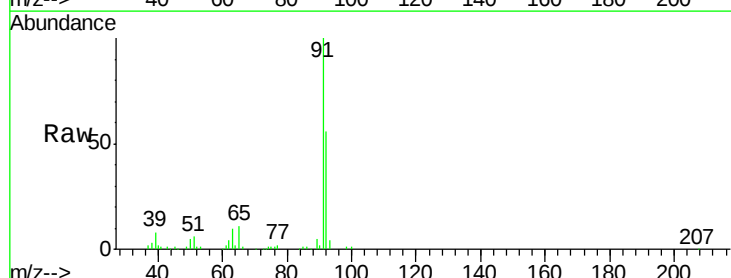
Acq: 07 Dec 2020 11:15

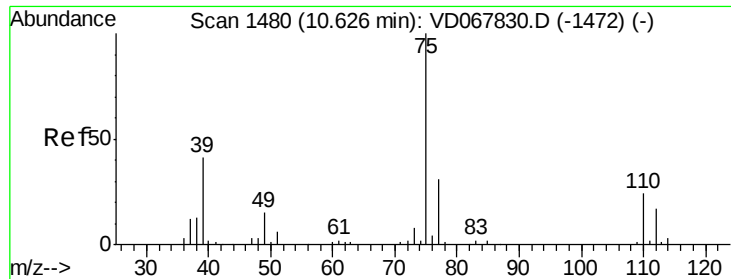
Tgt Ion: 92 Resp: 95985

Ion Ratio Lower Upper

92 100

91 173.0 134.2 201.2





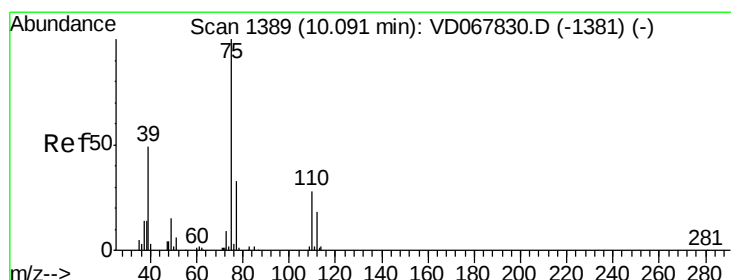
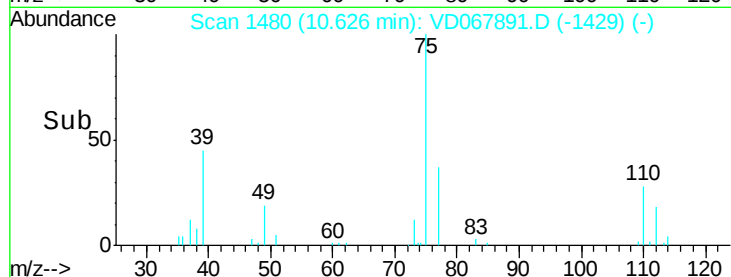
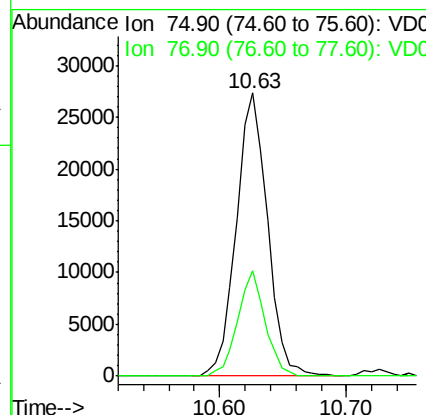
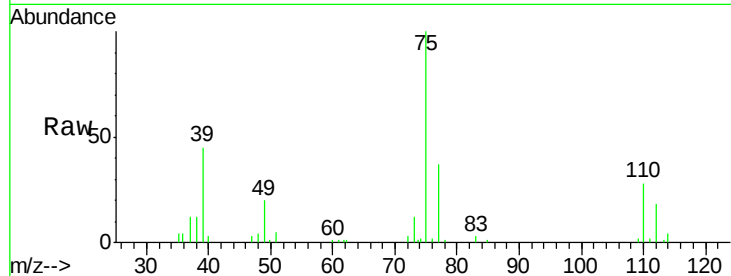
#53
t-1,3-Dichloropropene
Concen: 19.942 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	37.1	25.0	37.4

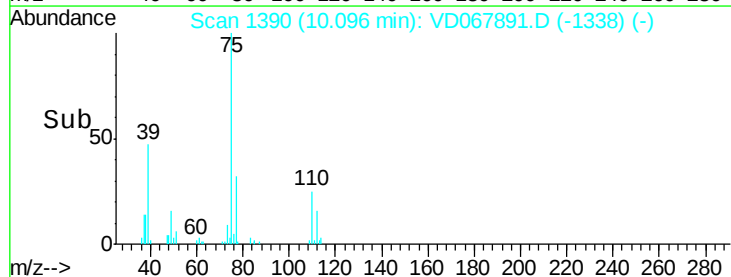
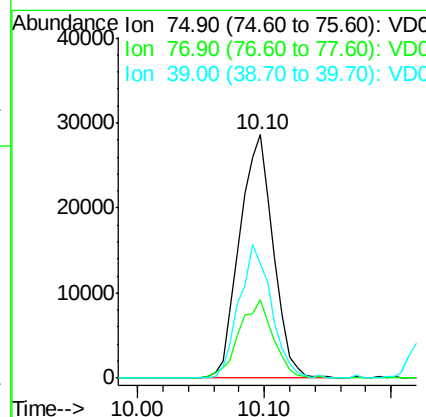
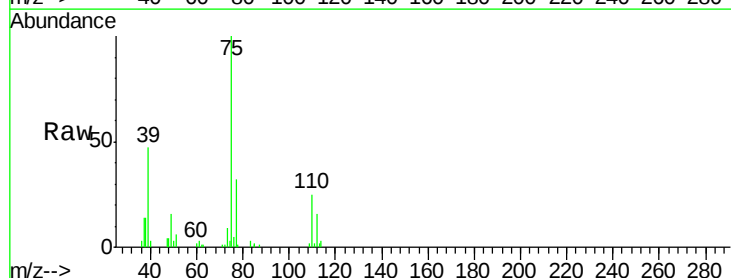
Manual Integrations
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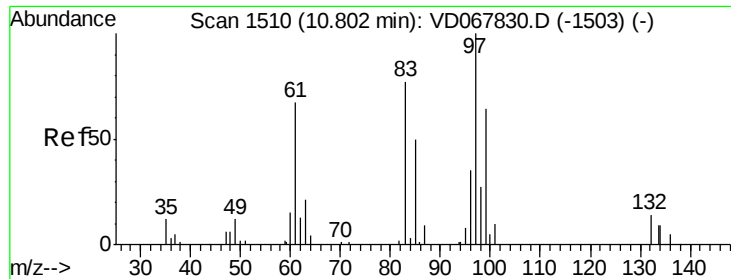
MMDadoda
12/8/2020 5:05:41 PM



#54
cis-1,3-Dichloropropene
Concen: 20.752 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	26.2	39.2
39	47.1	39.0	58.4





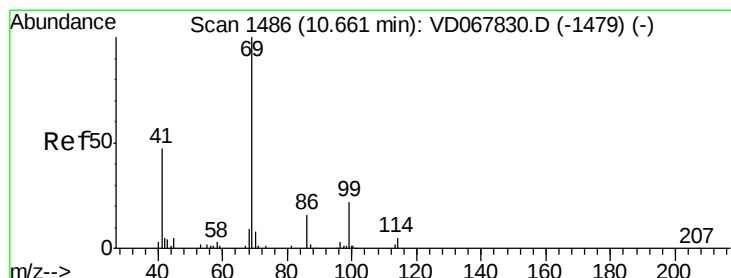
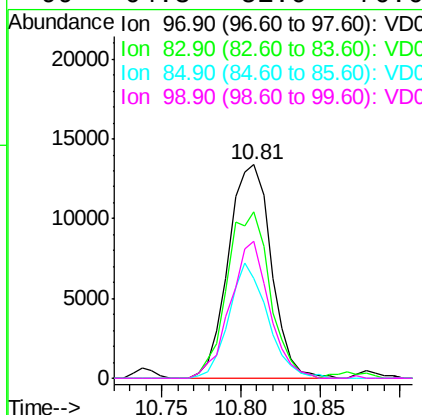
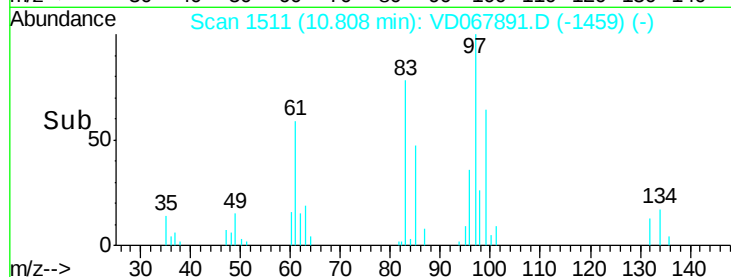
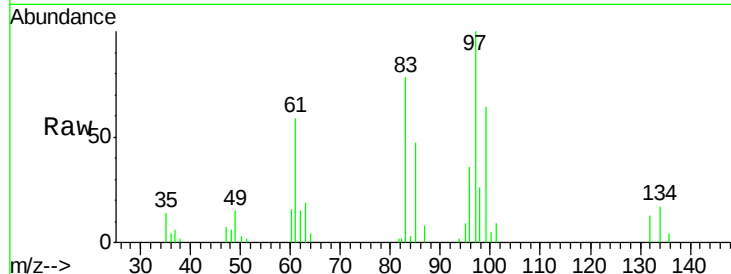
#55
 1,1,2-Trichloroethane
 Concen: 19.386 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		25131		
83	77.8	61.9	92.9		
85	46.6	40.2	60.4		
99	64.3	51.0	76.6		

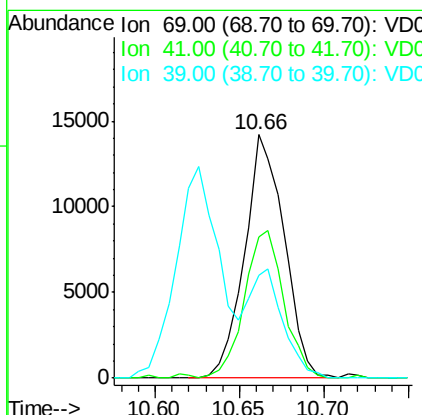
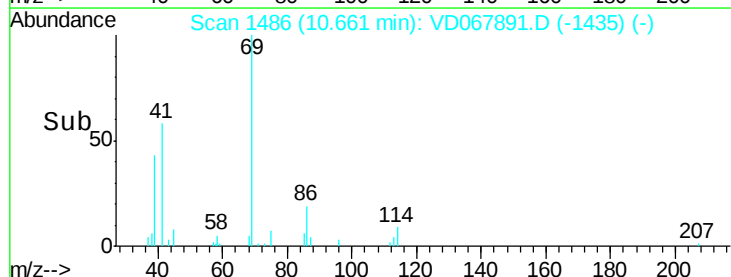
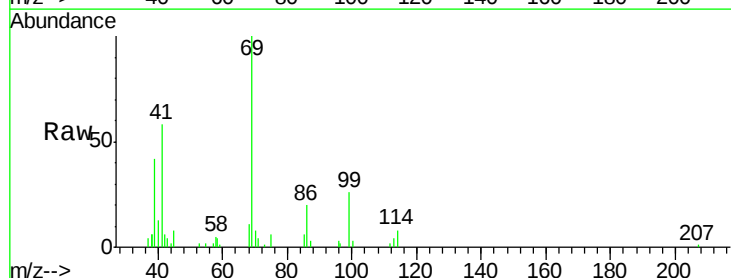
Manual Integrations
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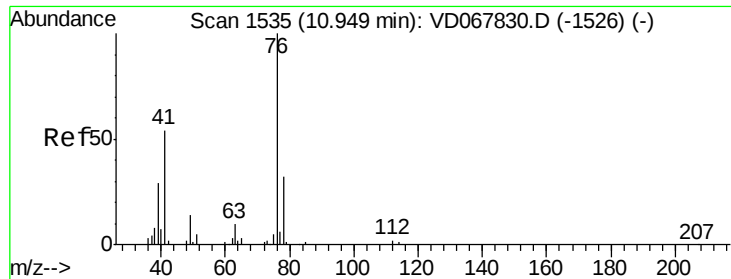
MMDadoda
 12/8/2020 5:05:41 PM



#56
 Ethyl methacrylate
 Concen: 17.610 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		23227		
41	60.1	42.8	64.2		
39	39.0	30.5	45.7		





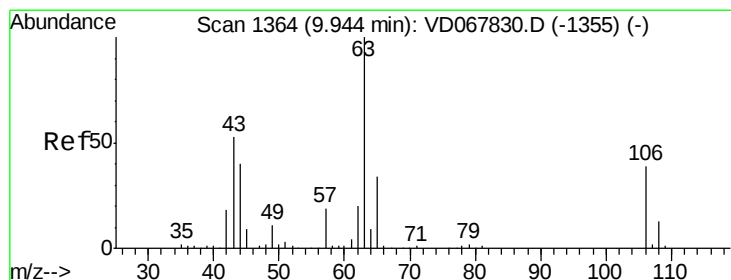
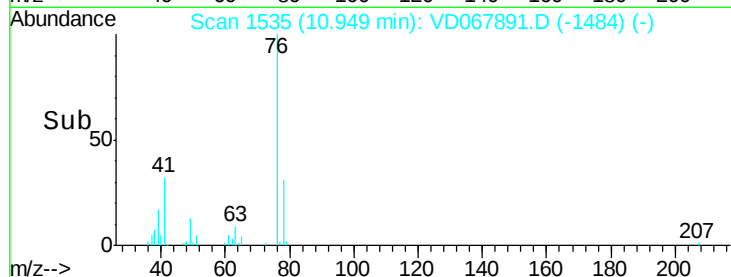
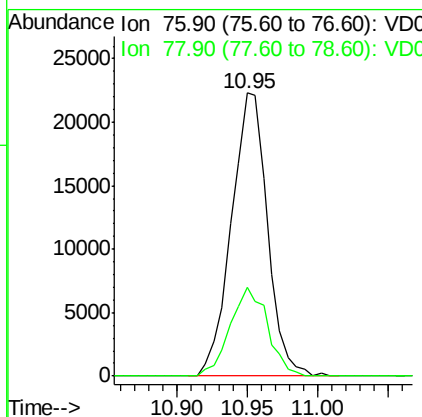
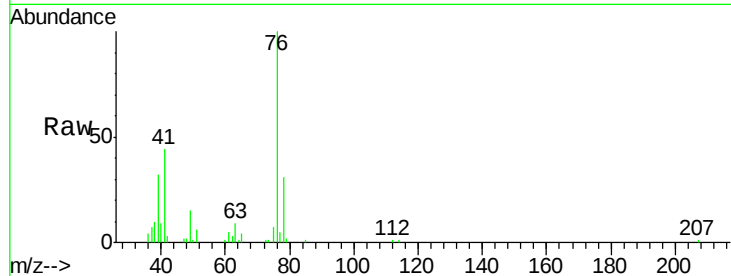
#57
 1,3-Dichloropropane
 Concen: 19.317 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.6	39.8

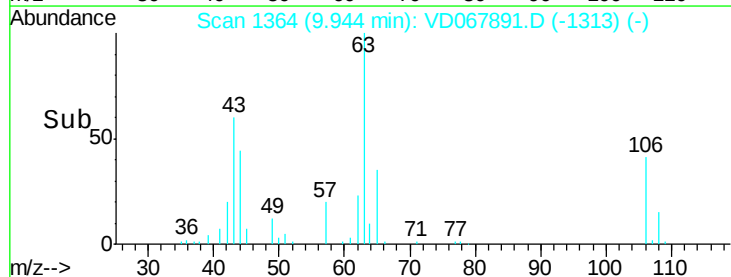
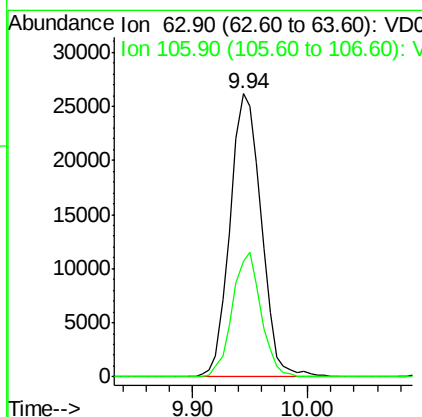
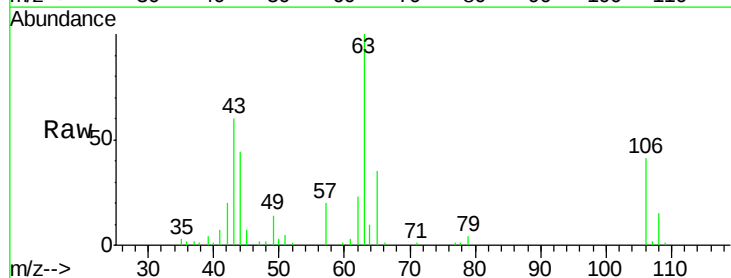
Manual Integrations
 APPROVED

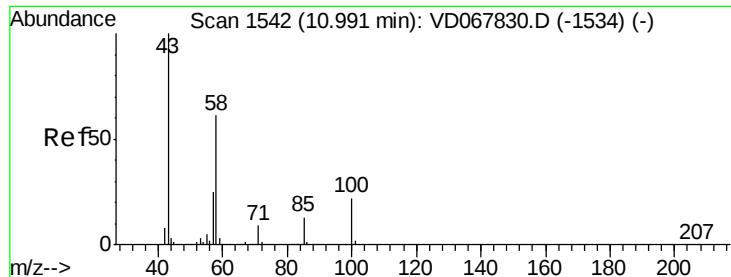
MMDadoda
 12/8/2020 5:05:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 81.796 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	40.3	32.0	48.0





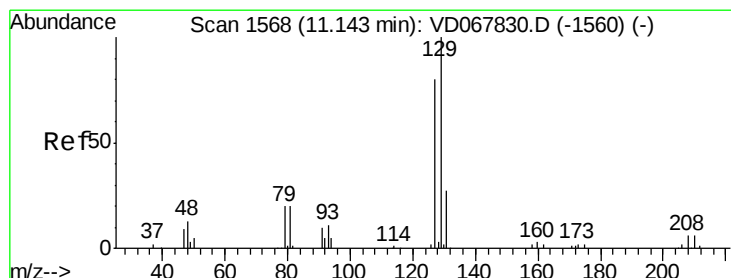
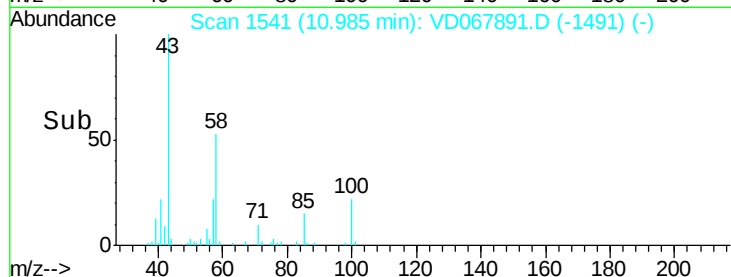
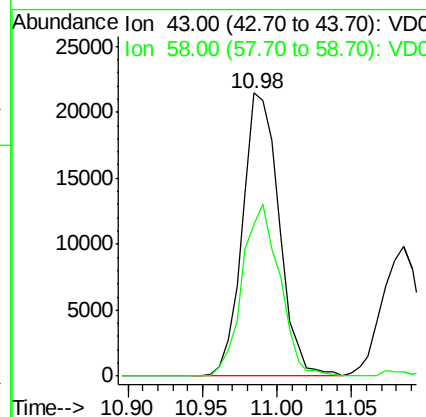
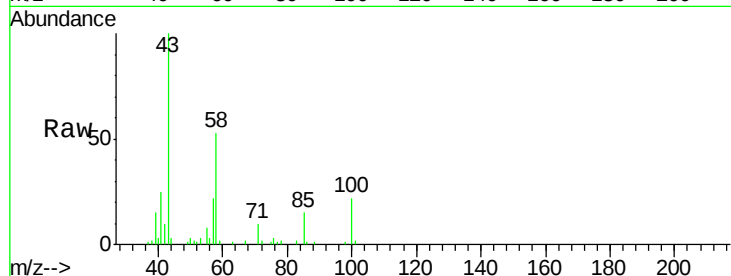
#59
2-Hexanone
Concen: 84.843 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion: 43 Resp: 36417
Ion Ratio Lower Upper
43 100
58 62.0 29.9 89.7

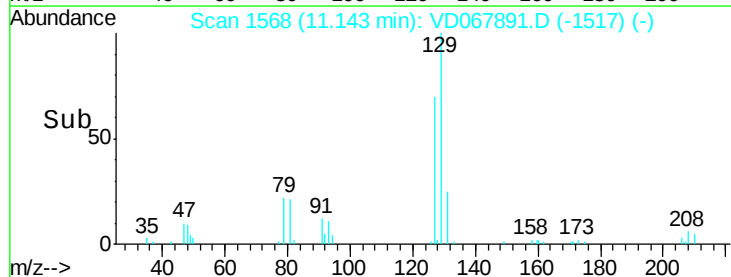
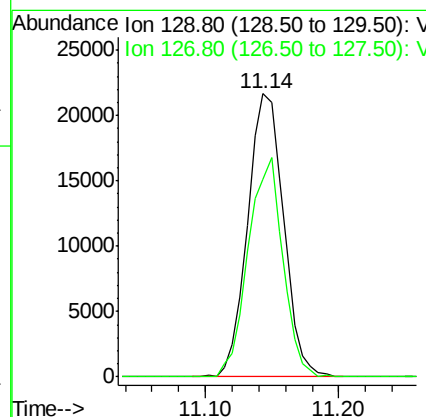
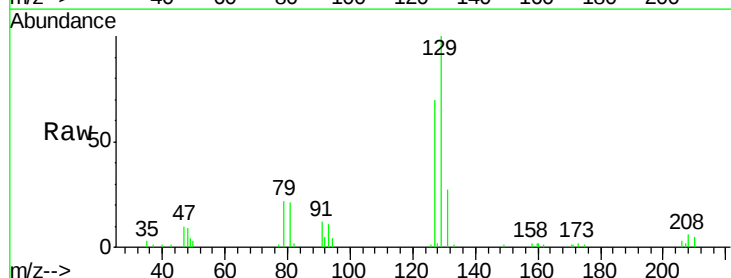
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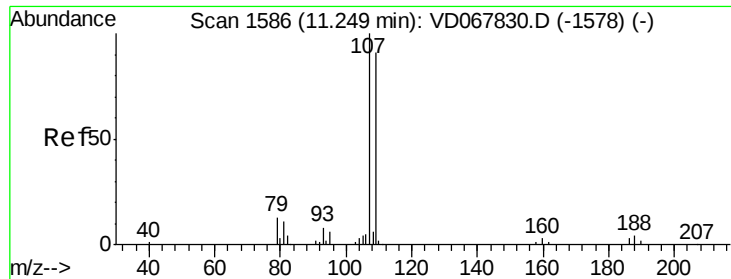
MMDadoda
12/8/2020 5:05:41 PM



#60
Dibromochloromethane
Concen: 20.570 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion: 129 Resp: 40196
Ion Ratio Lower Upper
129 100
127 74.5 39.2 117.6





#61

1,2-Dibromoethane

Concen: 19.054 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 107 Resp: 24291

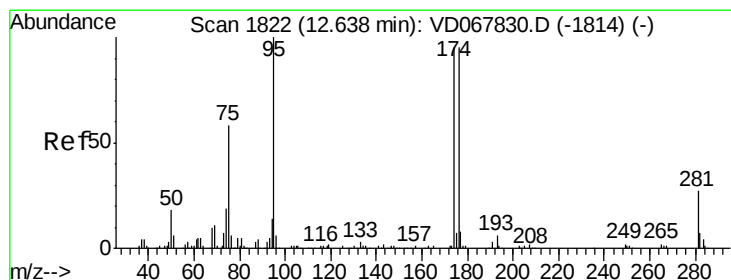
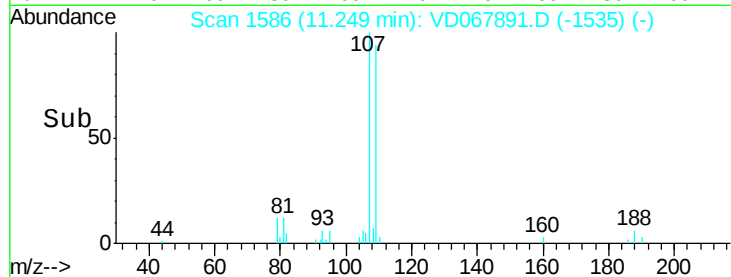
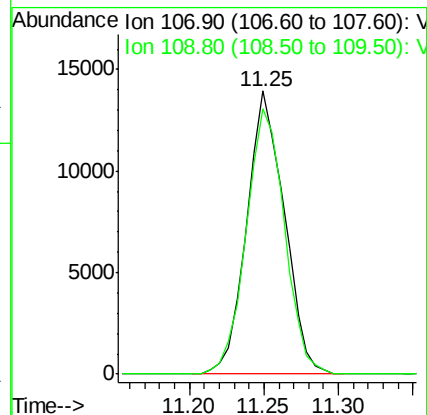
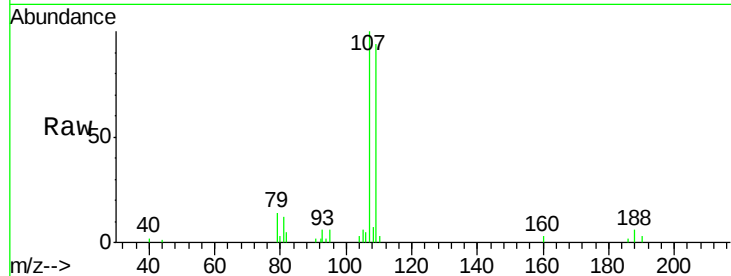
Ion Ratio Lower Upper

107 100

109 95.7 75.9 113.9

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 50.486 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

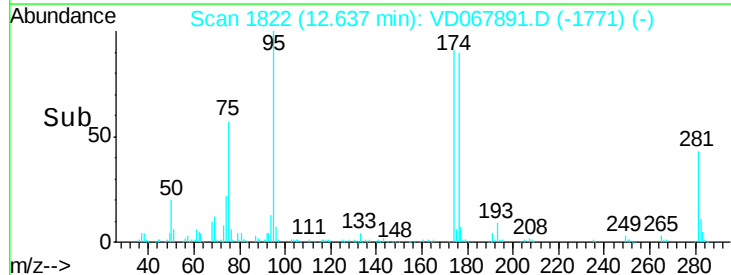
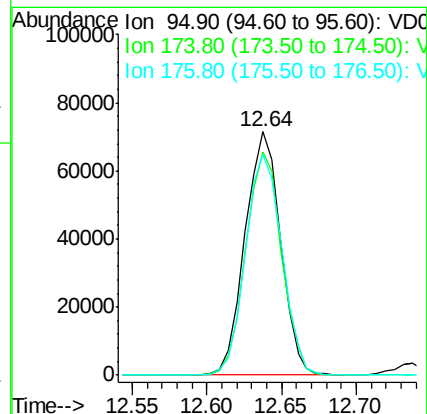
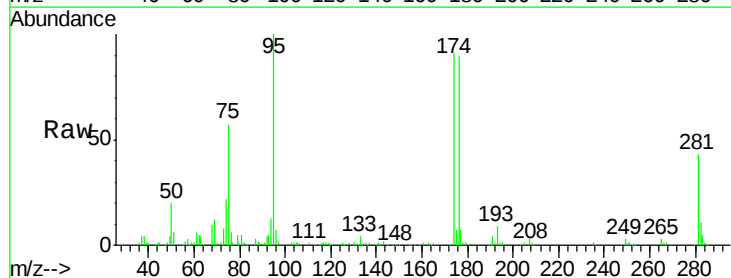
Tgt Ion: 95 Resp: 117822

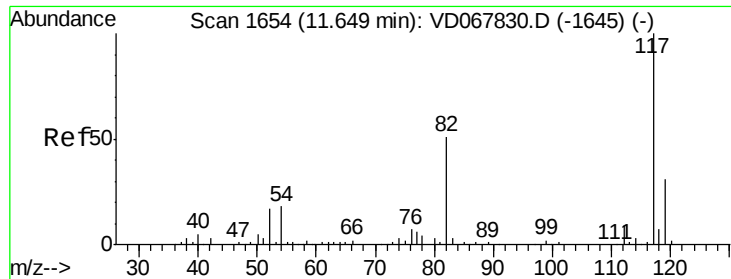
Ion Ratio Lower Upper

95 100

174 92.3 0.0 186.0

176 92.6 0.0 184.2





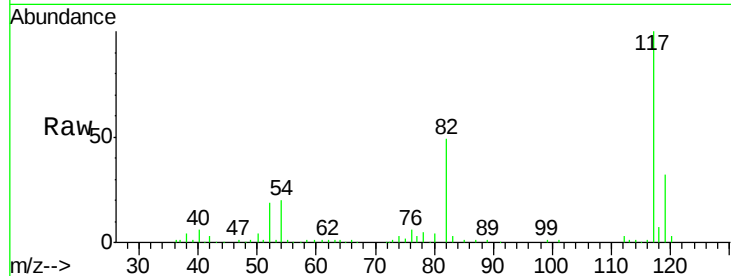
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.5	40.6	60.8
119	32.1	25.1	37.7

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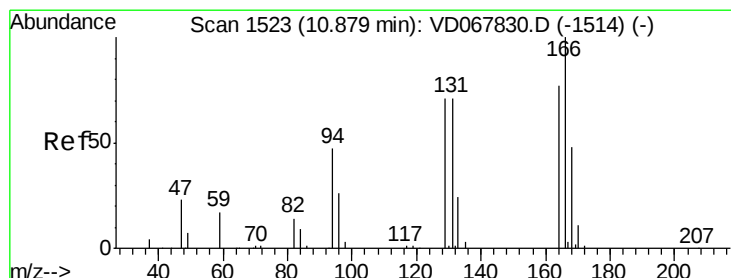
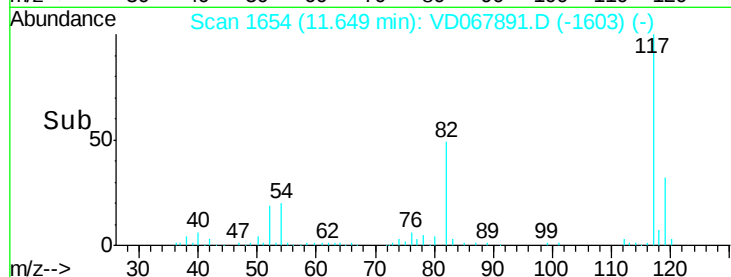
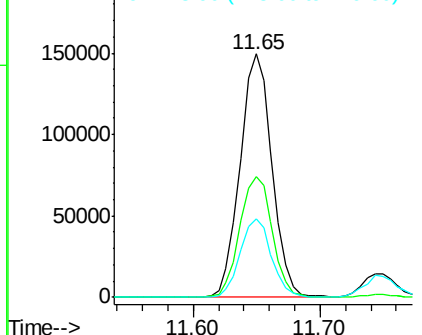


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.043 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	103.8	155.6
129	91.8	73.3	109.9
131	88.1	74.1	111.1

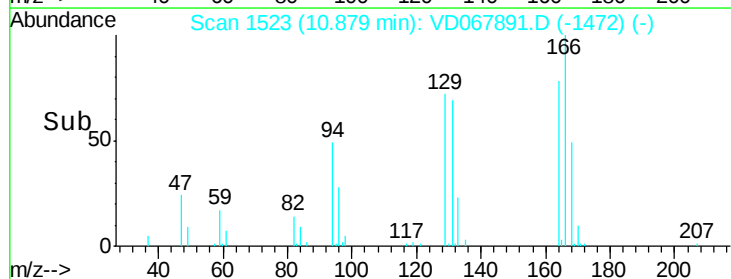
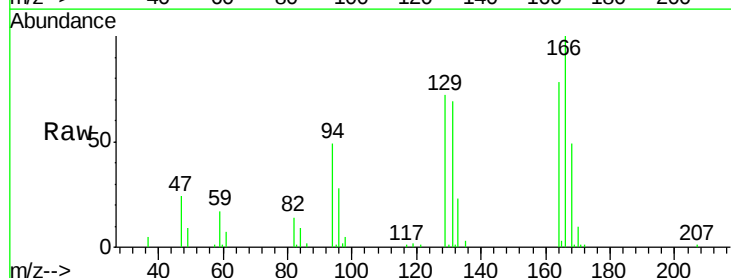
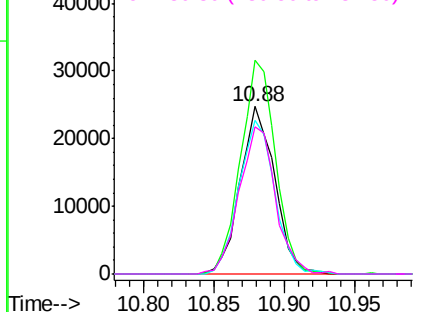
Abundance

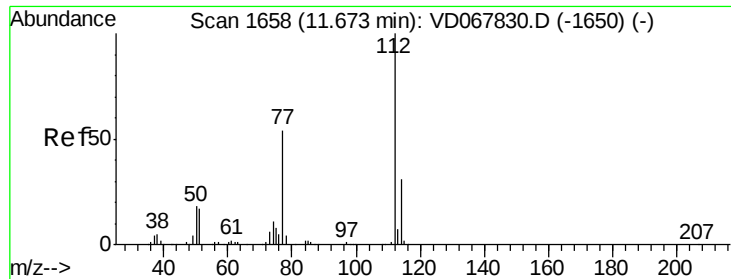
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





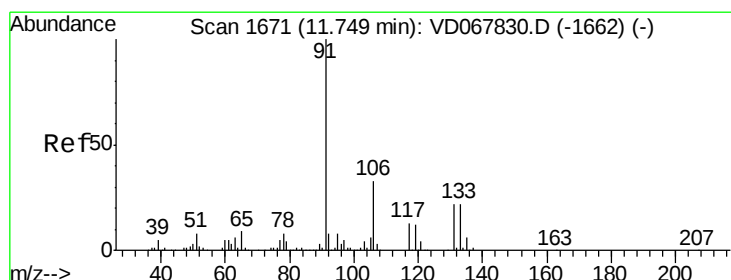
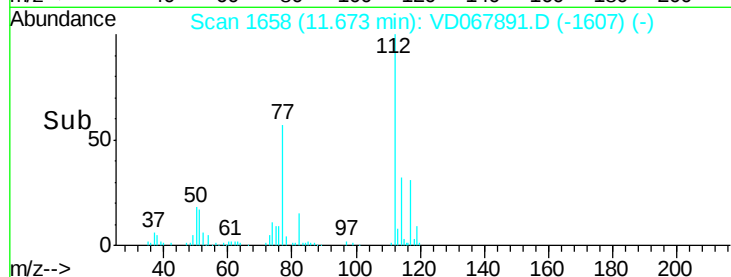
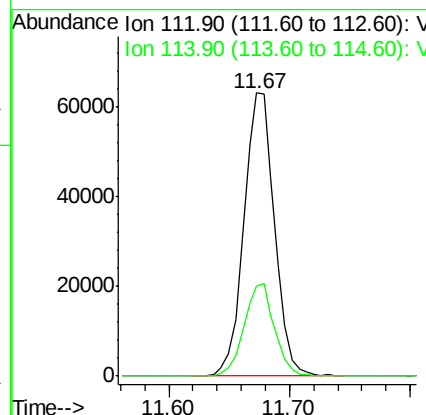
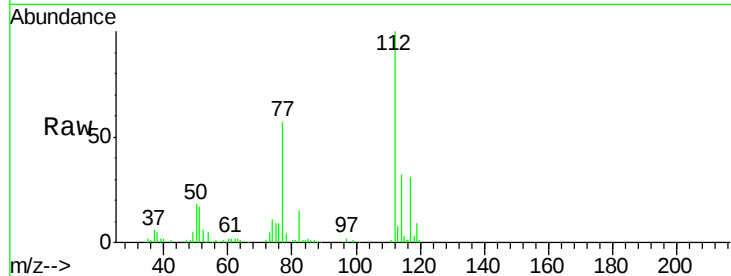
#65
Chlorobenzene
Concen: 20.741 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.0	37.4

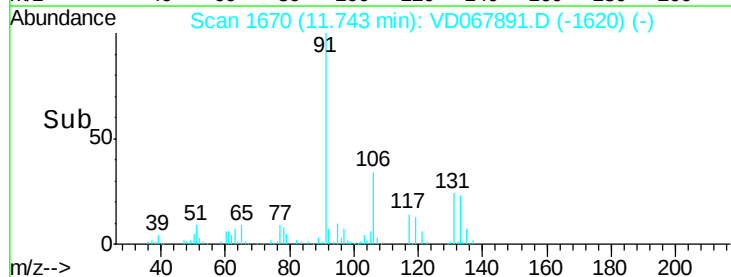
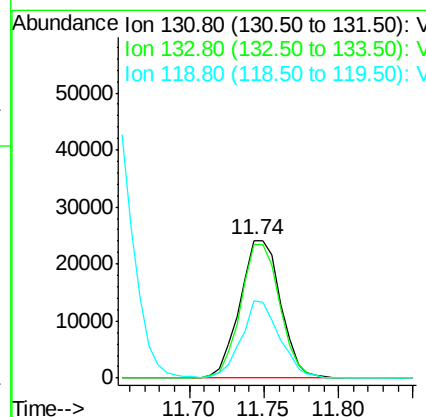
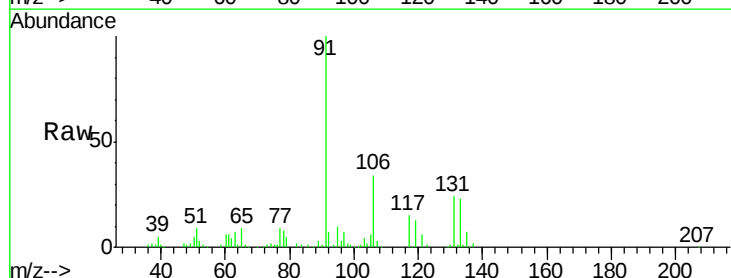
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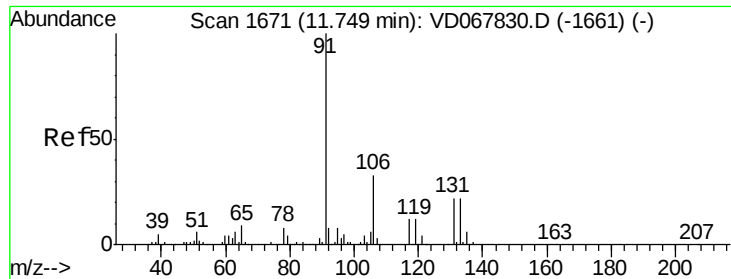
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.844 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.2	49.9	149.7
119	52.5	29.6	88.9





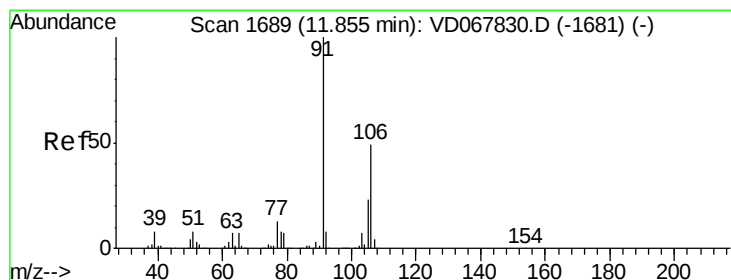
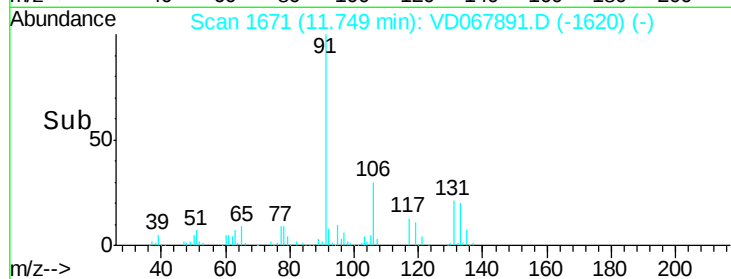
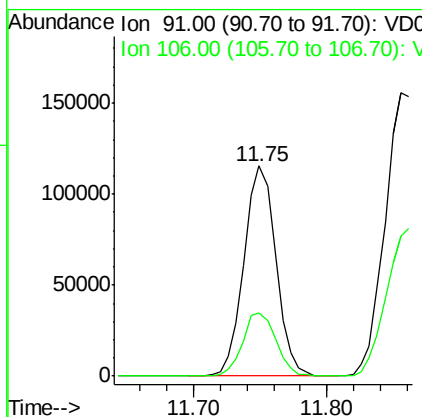
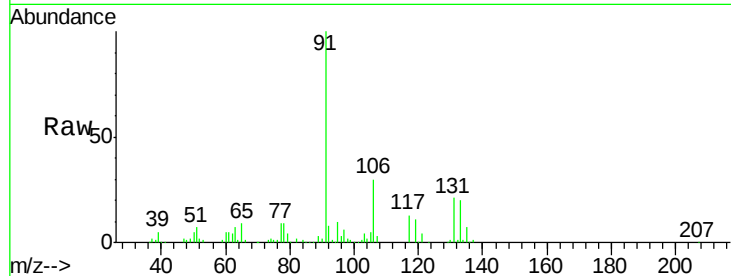
#67
Ethyl Benzene
Concen: 20.899 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.4	26.2	39.2

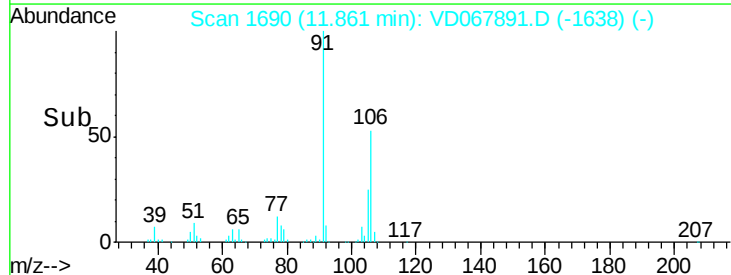
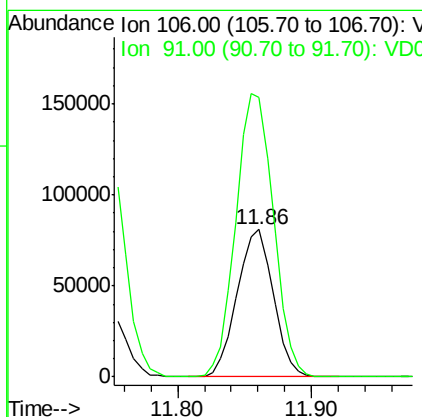
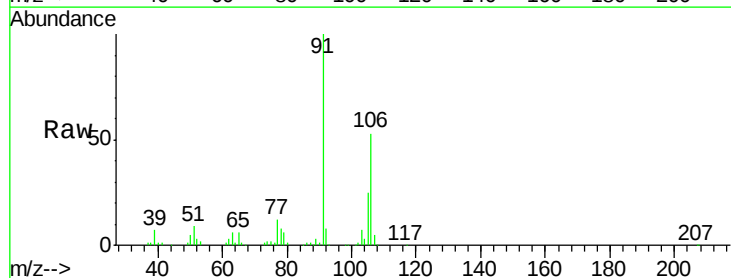
Manual Integrations
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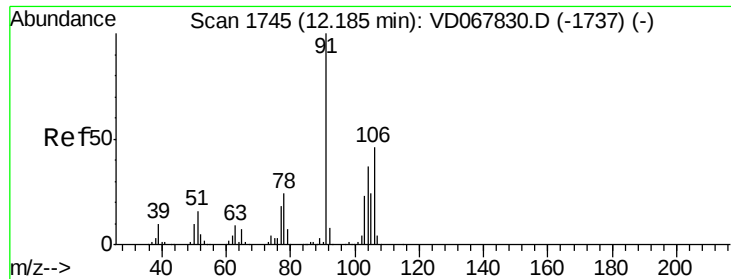
MMDadoda
12/8/2020 5:05:41 PM



#68
m/p-Xylenes
Concen: 42.030 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion	Ratio	Lower	Upper
106	100		
91	199.8	162.8	244.2





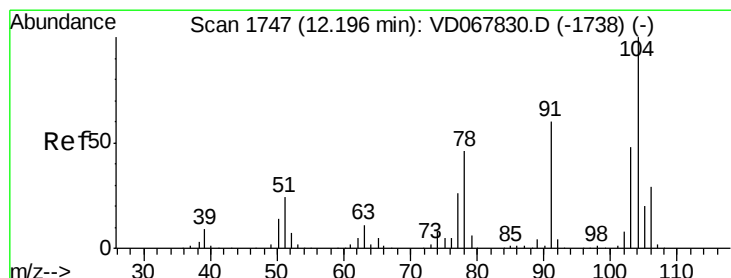
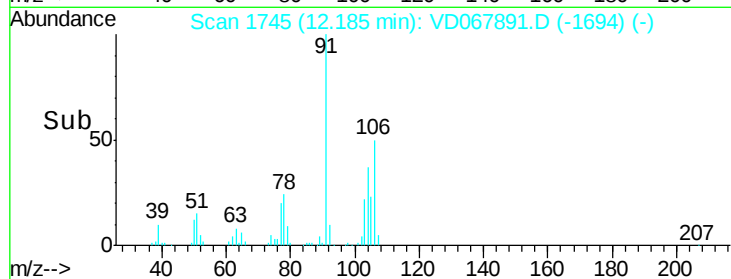
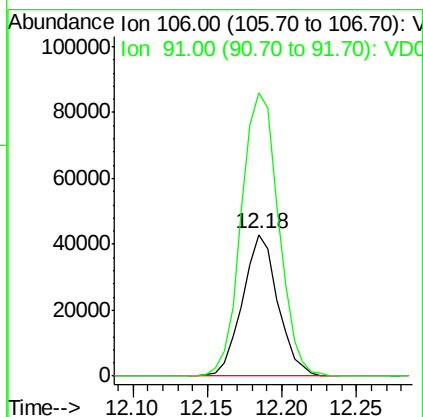
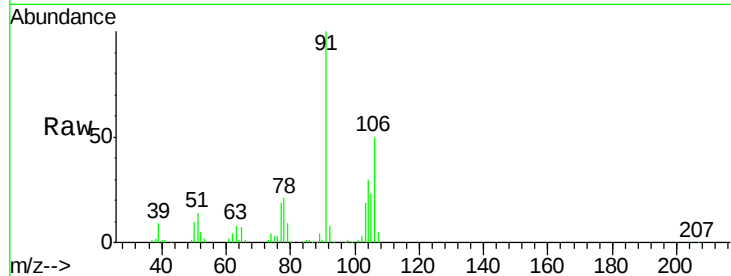
#69
o-Xylene
Concen: 21.909 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.8	107.5	322.5	

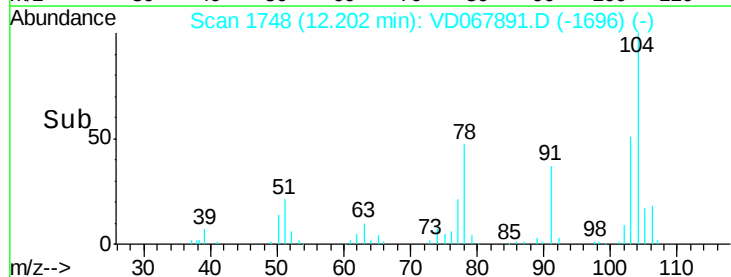
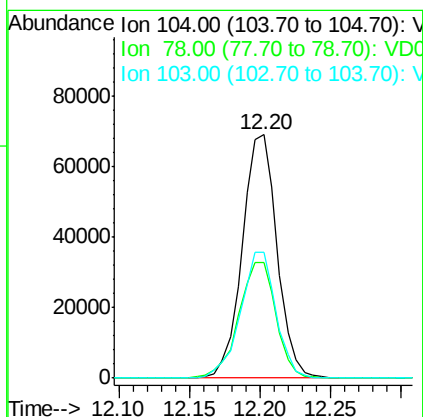
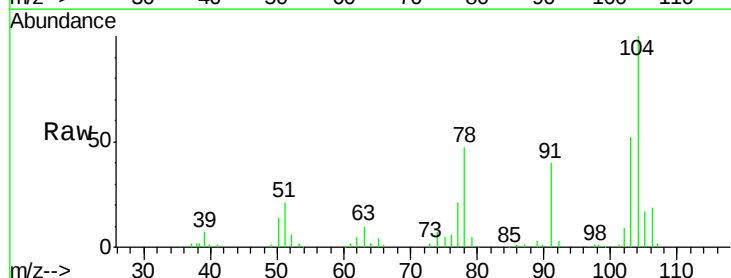
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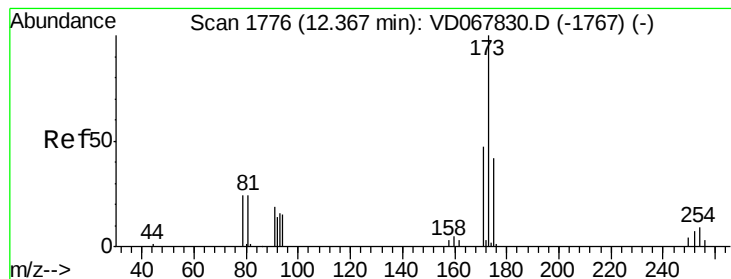
MMDadoda
12/8/2020 5:05:41 PM



#70
Styrene
Concen: 21.298 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.9	41.6	62.4	
103	52.6	43.2	64.8	





#71

Bromoform

Concen: 19.752 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion:173 Resp: 22946

Ion Ratio Lower Upper

173 100

175 46.5 23.4 70.3

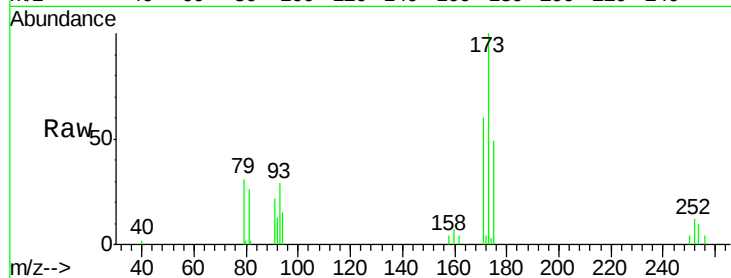
254 0.0 0.1 0.1#

Manual Integrations

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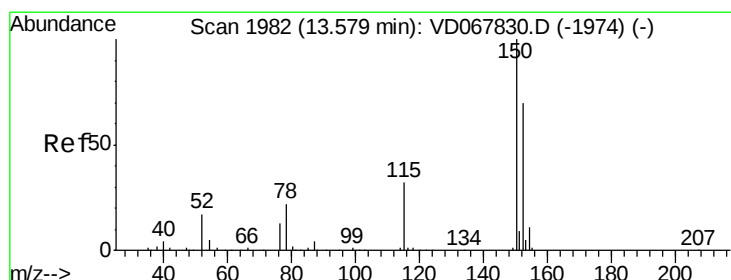
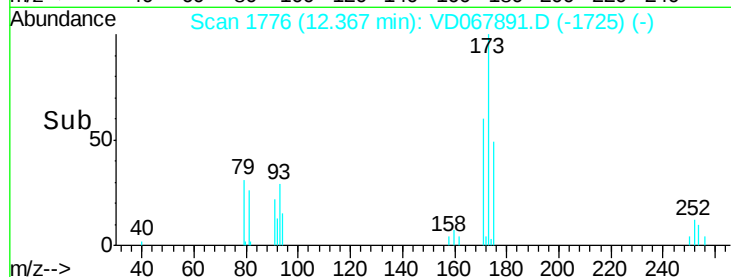
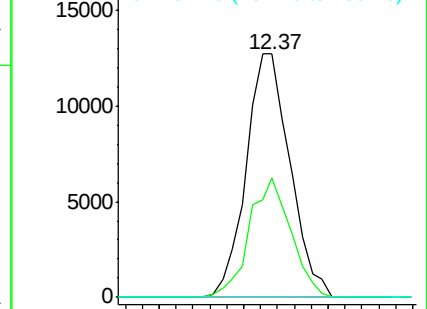
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VD067891.D

Acq: 07 Dec 2020 11:15

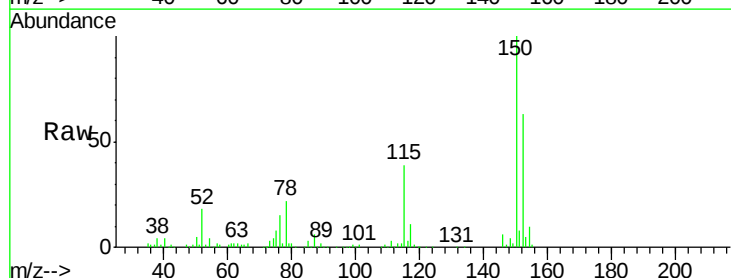
Tgt Ion:152 Resp: 136572

Ion Ratio Lower Upper

152 100

115 59.9 29.1 87.4

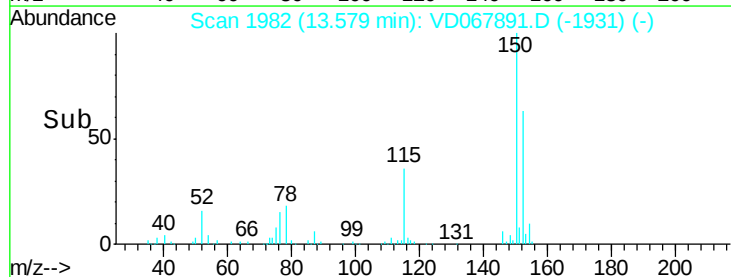
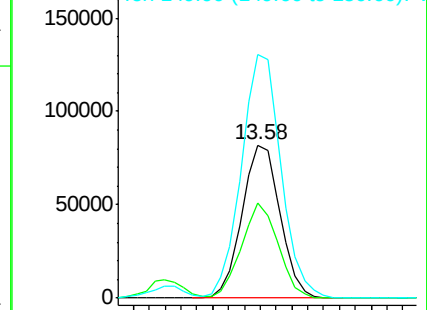
150 165.7 0.0 339.0

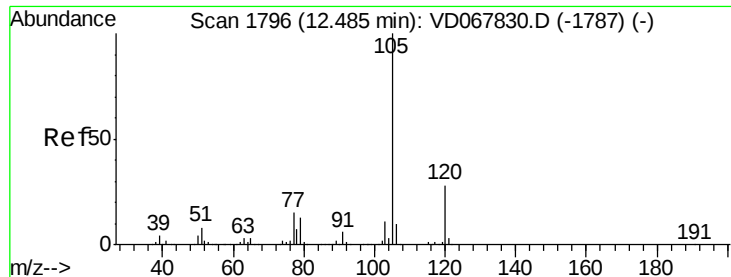


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.916 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 105 Resp: 196441

Ion Ratio Lower Upper

105 100

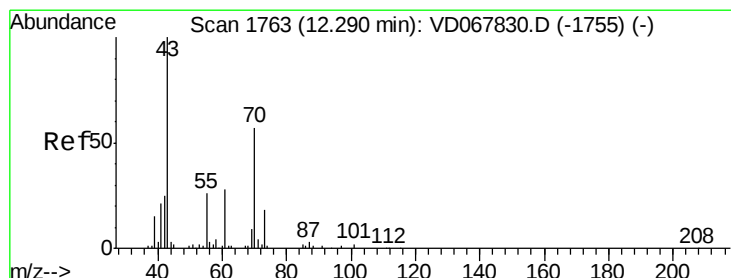
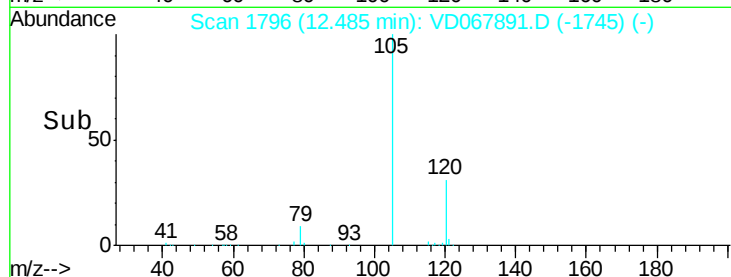
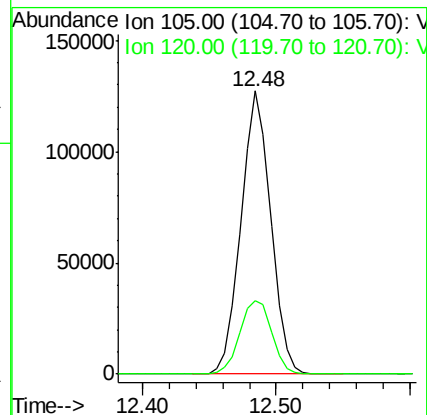
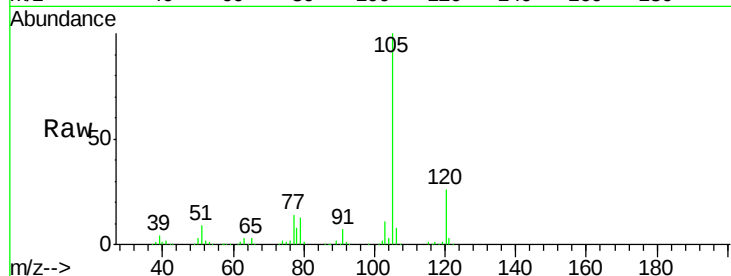
120 27.6 13.9 41.6

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#74

N-ethyl acetate

Concen: 17.394 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Tgt Ion: 43 Resp: 20208

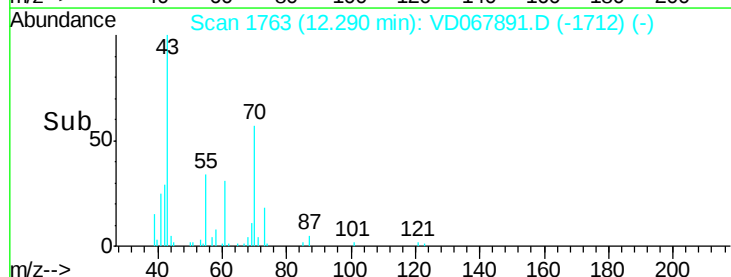
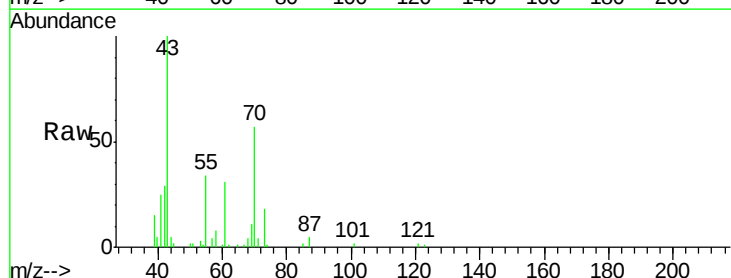
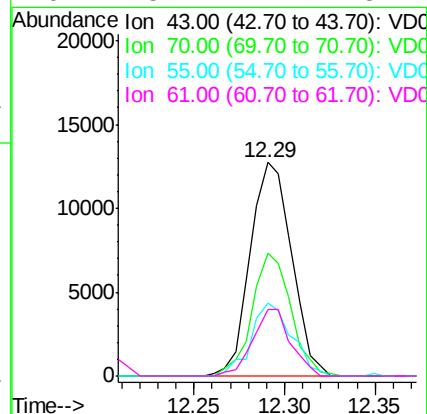
Ion Ratio Lower Upper

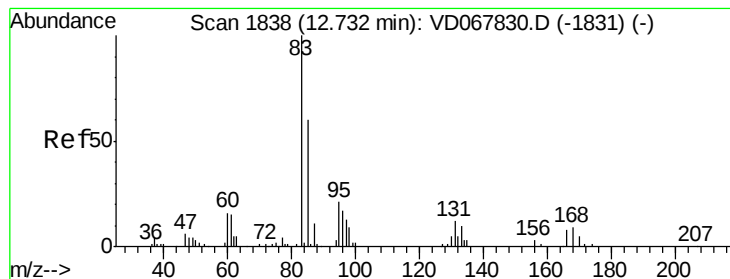
43 100

70 53.7 44.6 66.8

55 33.4 22.2 33.2#

61 28.7 22.7 34.1





#75

1,1,2,2-Tetrachloroethane

Concen: 17.732 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

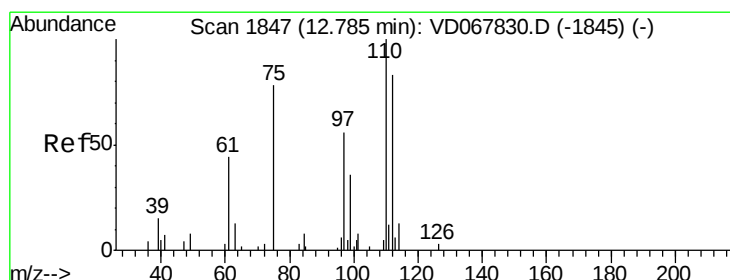
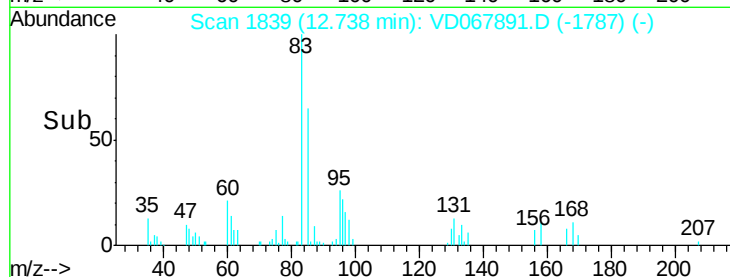
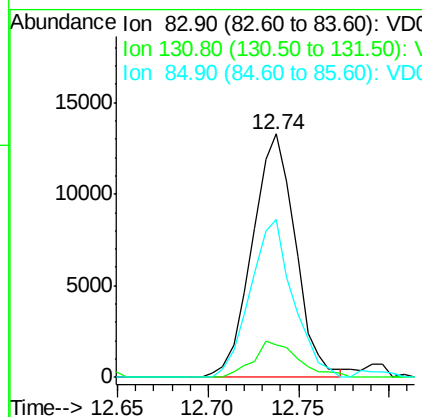
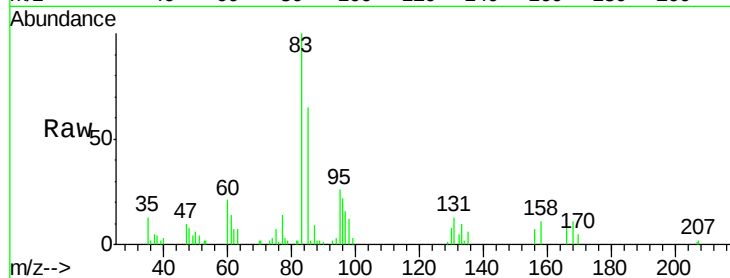
ClientSampleId :

VD1207SBS01

Tot Ion:	83	Resp:	21987
Ion Ratio	Lower	Upper	
83	100		
131	15.6	8.0	24.0
85	64.2	31.7	95.1

Manual Integrations
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12/8/2020 5:05:41 PM



#76

1,2,3-Trichloropropane

Concen: 18.965 ug/l m

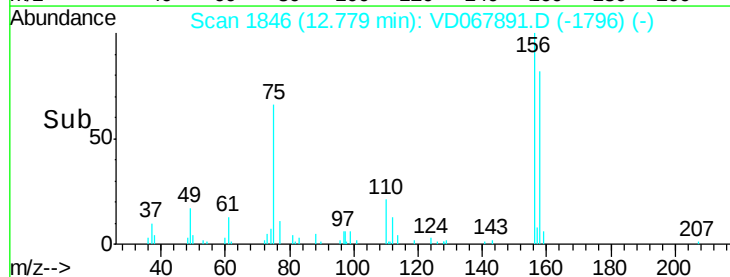
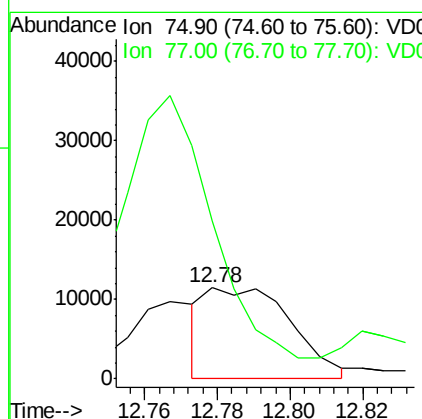
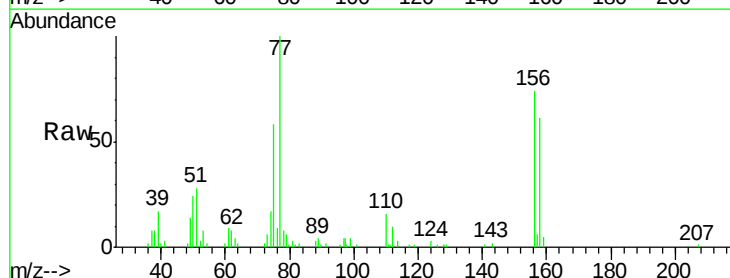
RT: 12.78 min Scan# 1846

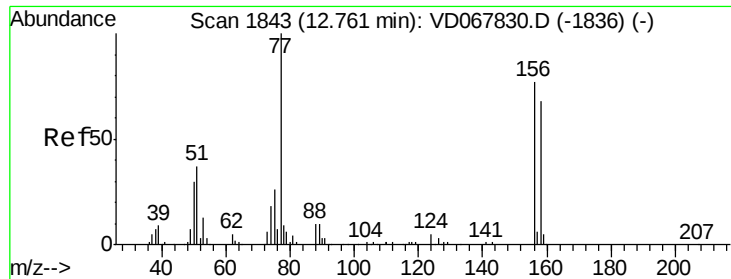
Delta R.T. -0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Tgt Ion:	75	Resp:	18862
Ion Ratio	Lower	Upper	
75	100		
77	357.0	175.9	527.7





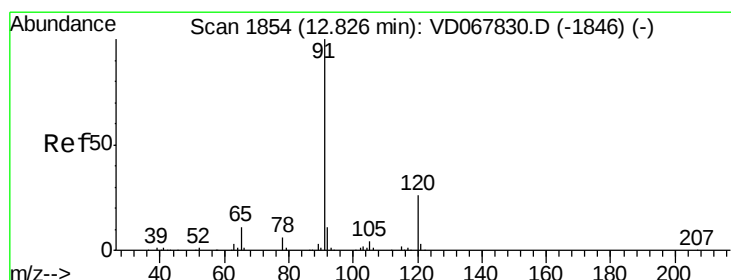
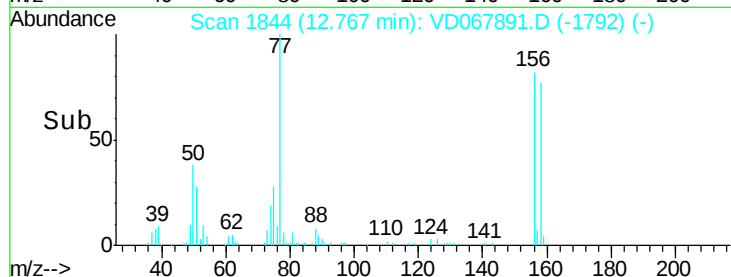
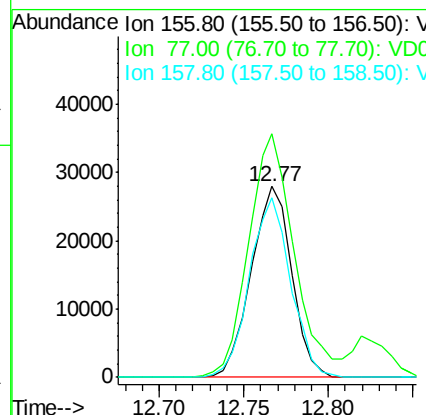
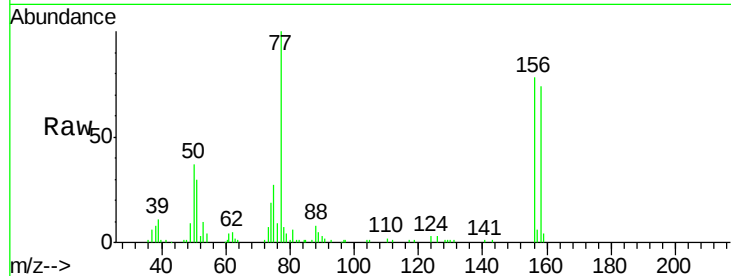
#77
Bromobenzene
Concen: 19.916 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	144.8	71.5	214.5	
158	95.7	47.1	141.4	

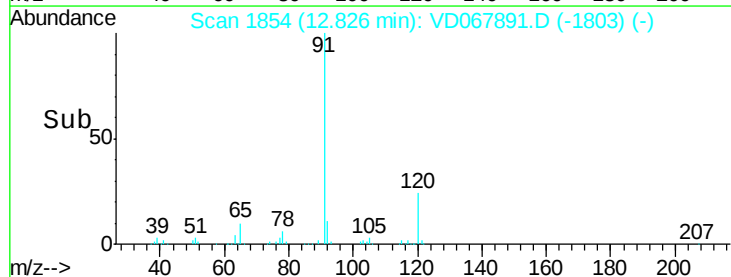
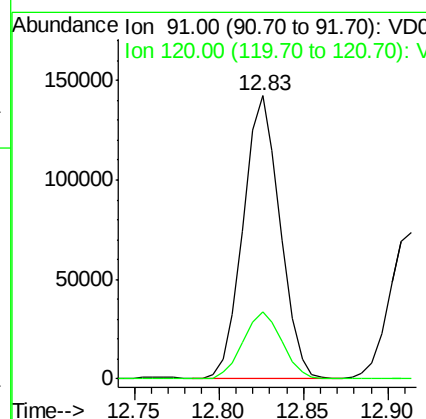
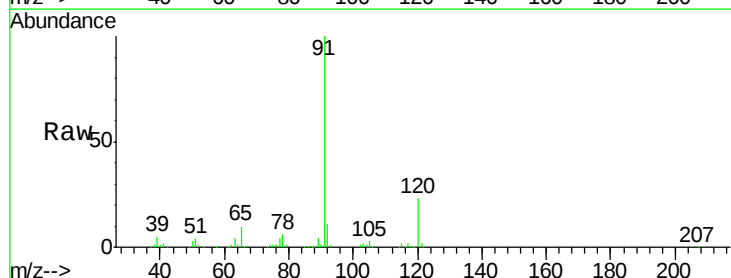
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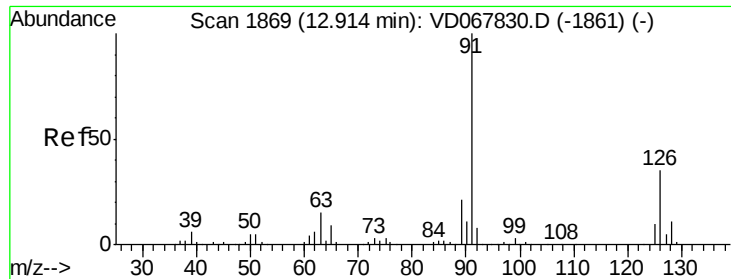
MMDadoda
12/8/2020 5:05:41 PM



#78
n-propylbenzene
Concen: 20.878 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.9	12.7	38.0	





#79

2-Chlorotoluene

Concen: 20.211 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 91 Resp: 123770

Ion Ratio Lower Upper

91 100

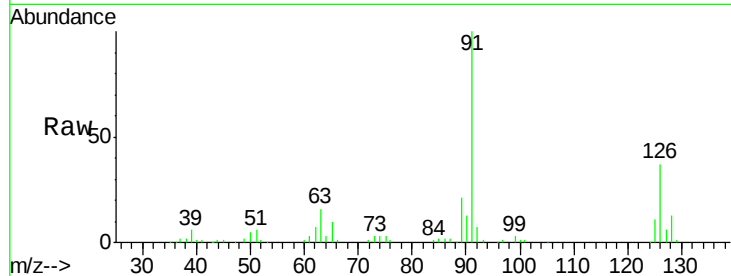
126 36.4 17.9 53.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V

12.91

80000

60000

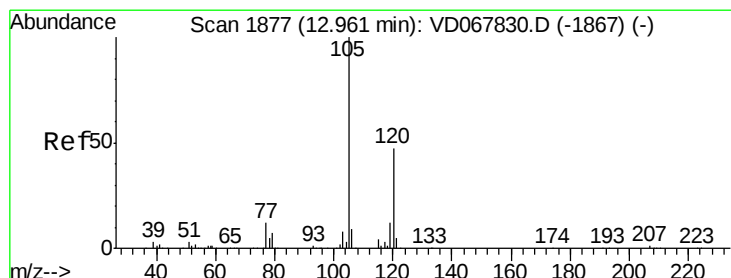
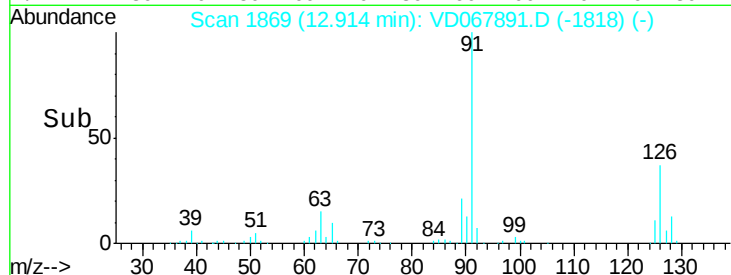
40000

20000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.010 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD067891.D

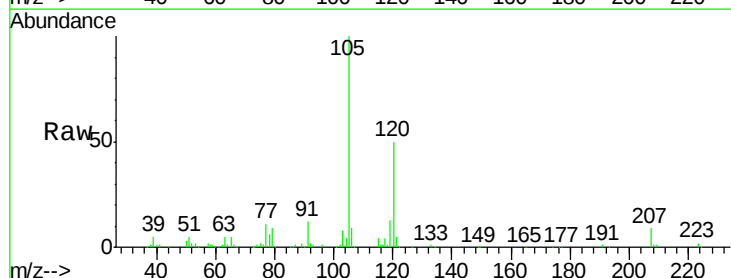
Acq: 07 Dec 2020 11:15

Tgt Ion:105 Resp: 170847

Ion Ratio Lower Upper

105 100

120 49.6 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.97

120000

100000

80000

60000

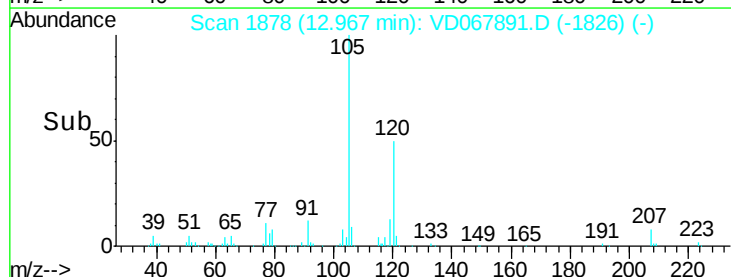
40000

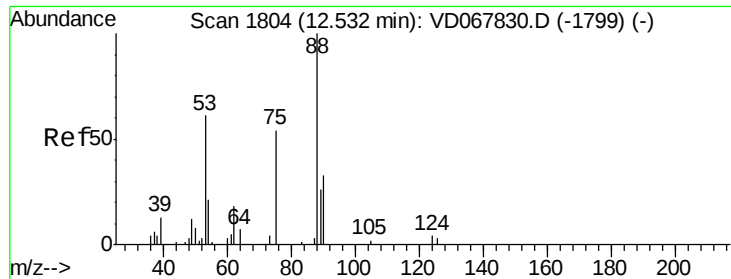
20000

0

12.90 13.00

Time-->





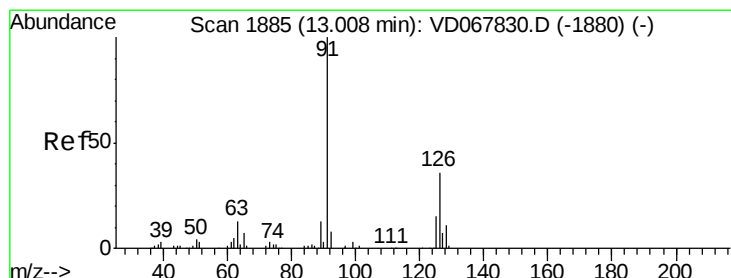
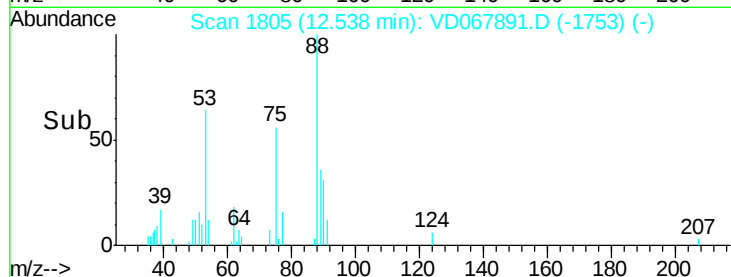
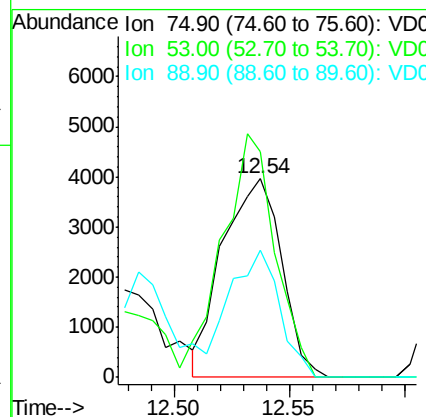
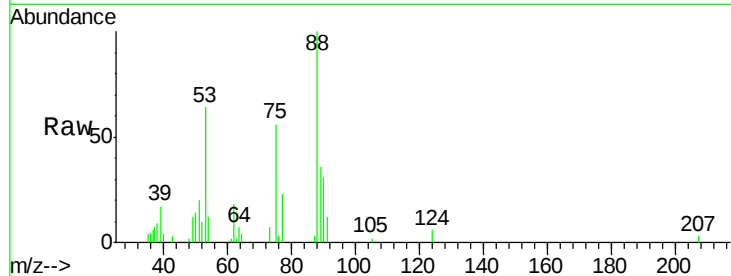
#81
trans-1,4-Dichloro-2-butene
Concen: 16.906 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion: 75 Resp: 7029
Ion Ratio Lower Upper
75 100
53 109.6 84.6 127.0
89 54.0 41.0 61.6

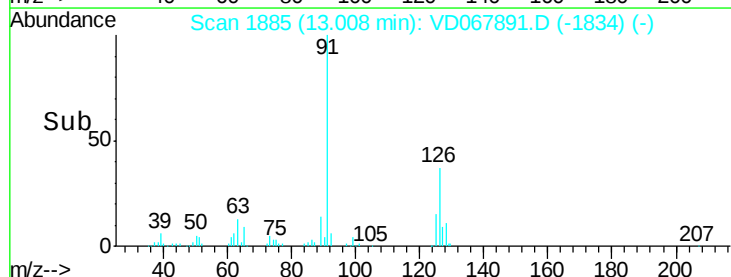
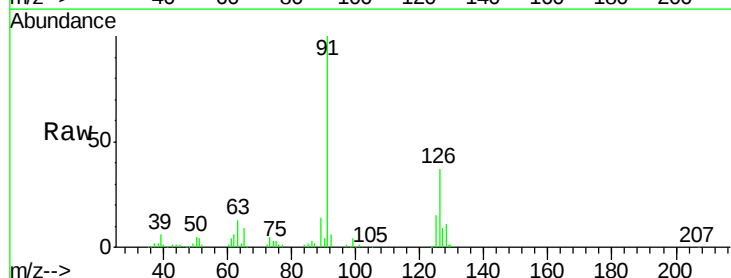
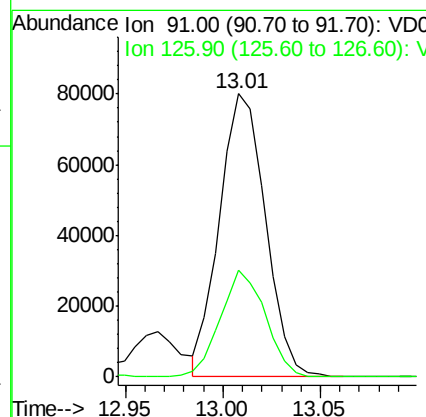
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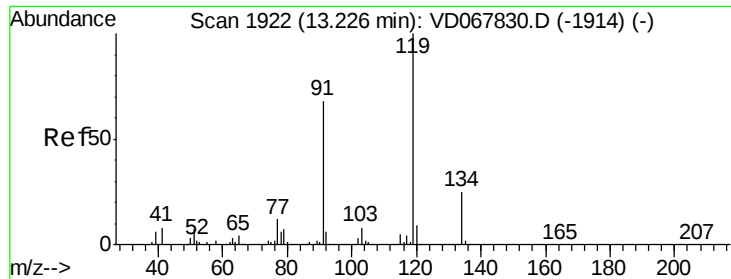
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.002 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion: 91 Resp: 130662
Ion Ratio Lower Upper
91 100
126 37.1 18.1 54.4





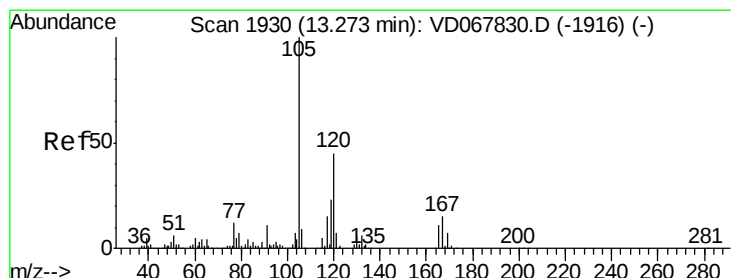
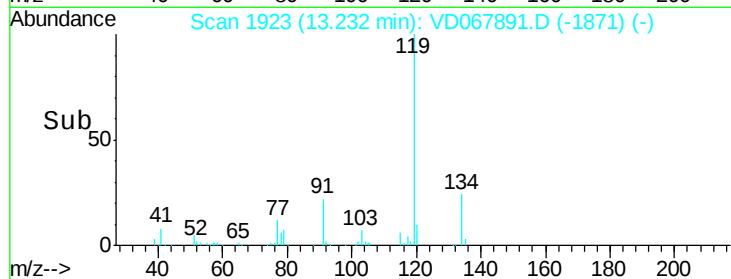
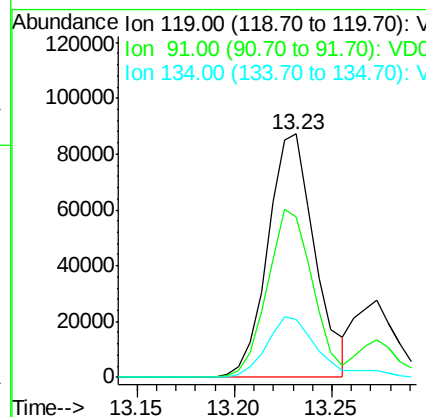
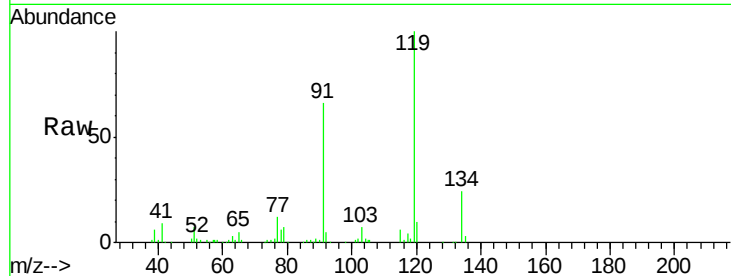
#83
tert-Butylbenzene
Concen: 20.997 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	145295		
91	66.8		33.1	99.3
134	27.9		13.6	40.8

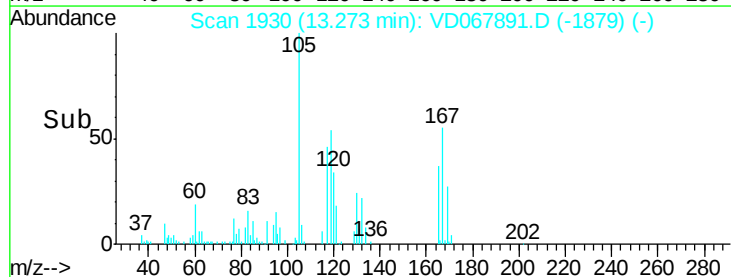
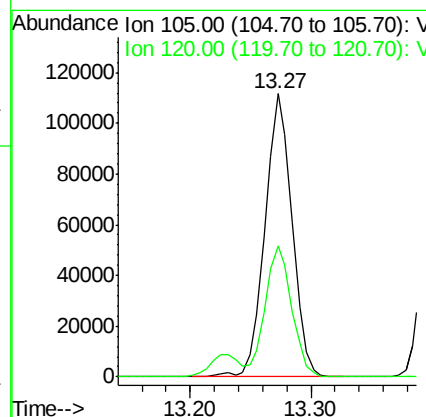
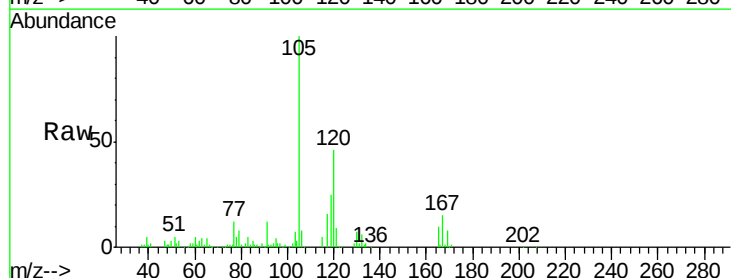
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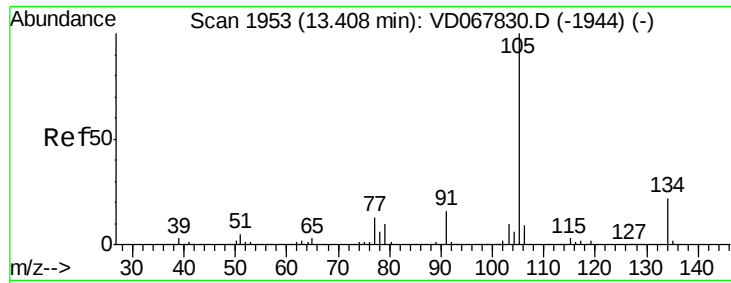
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.405 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	173081		
120	45.6		22.1	66.5





#85

sec-Butylbenzene

Concen: 20.491 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion:105 Resp: 189246

Ion Ratio Lower Upper

105 100

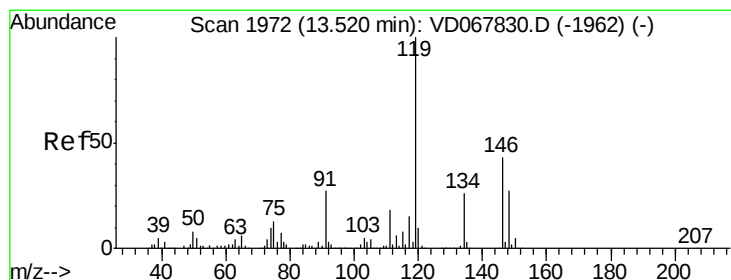
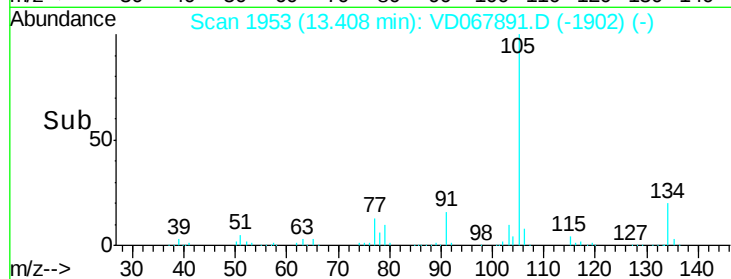
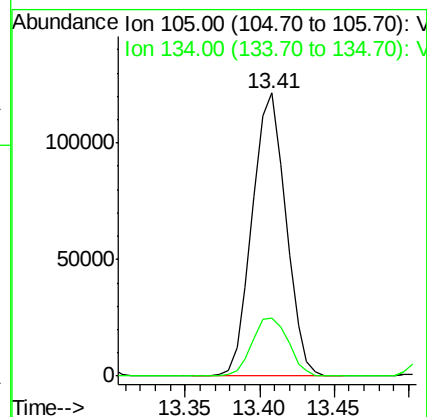
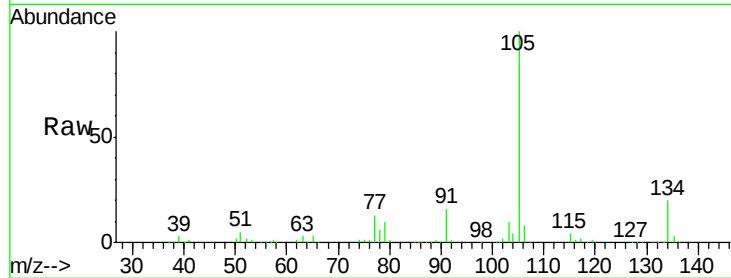
134 22.0 10.9 32.9

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12/8/2020 5:05:41 PM



#86

p-Isopropyltoluene

Concen: 20.629 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

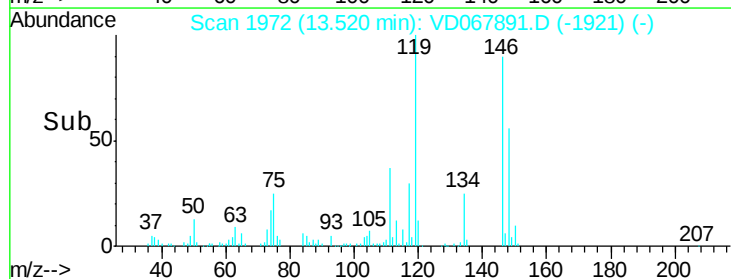
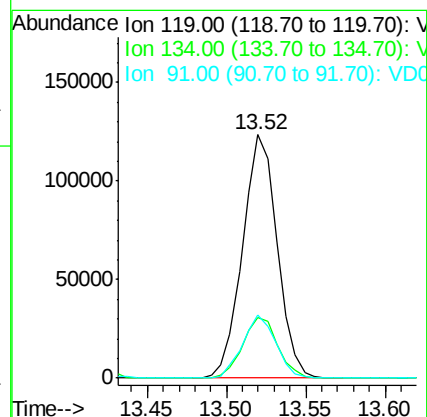
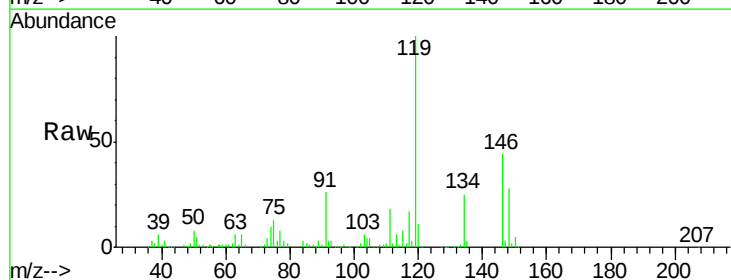
Tgt Ion:119 Resp: 186728

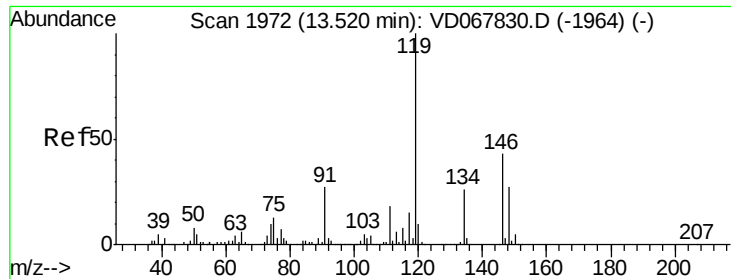
Ion Ratio Lower Upper

119 100

134 25.6 13.1 39.3

91 25.1 12.8 38.3





#87

1,3-Dichlorobenzene

Concen: 20.720 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

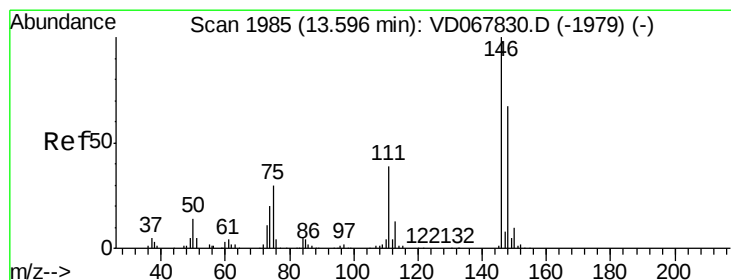
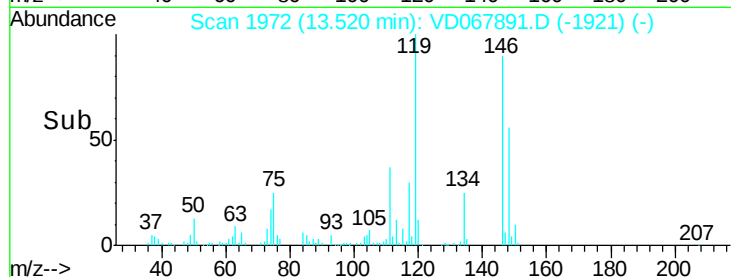
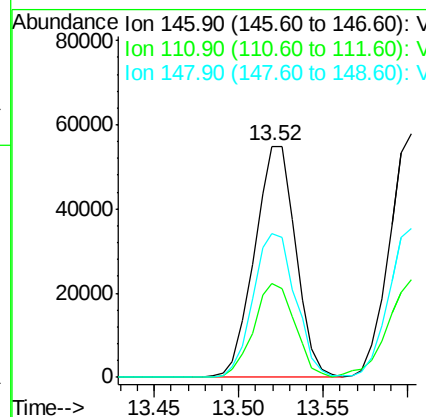
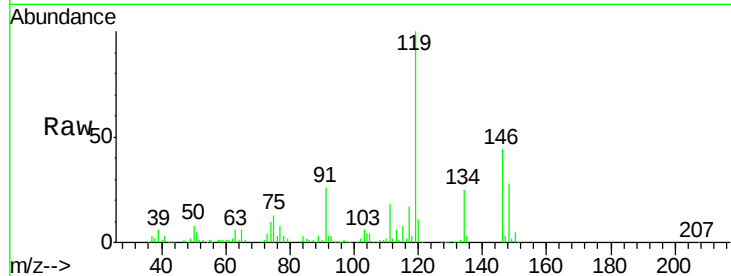
ClientSampleId :

VD1207SBS01

Tot Ion:	146	Resp:	93324
Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.8	62.2
148	64.1	32.9	98.6

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#88

1,4-Dichlorobenzene

Concen: 20.411 ug/l

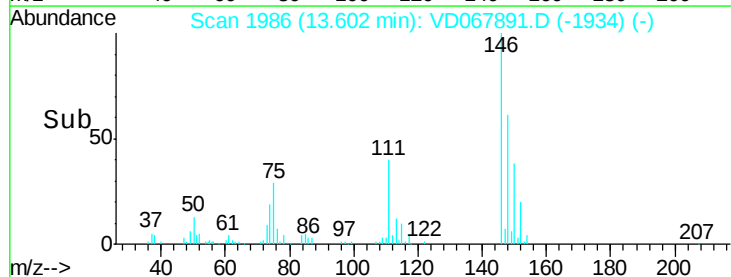
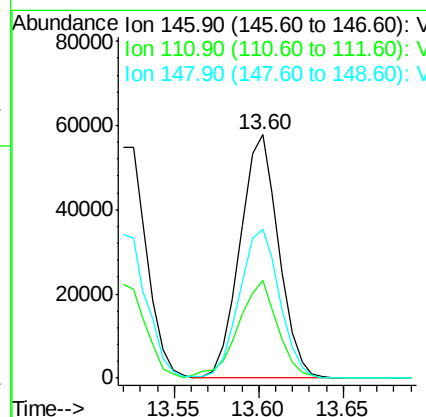
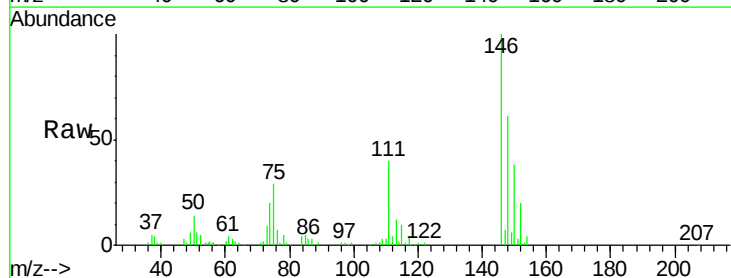
RT: 13.60 min Scan# 1986

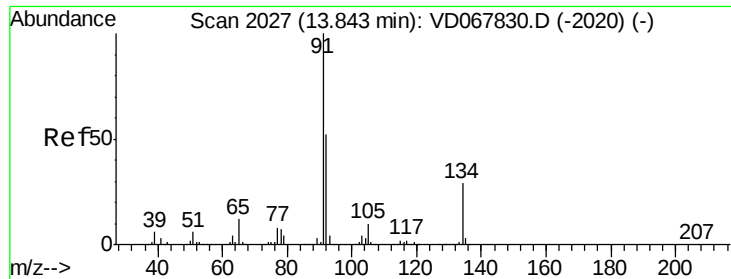
Delta R.T. 0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Tgt Ion:	146	Resp:	91971
Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.9	59.6
148	64.0	32.4	97.2





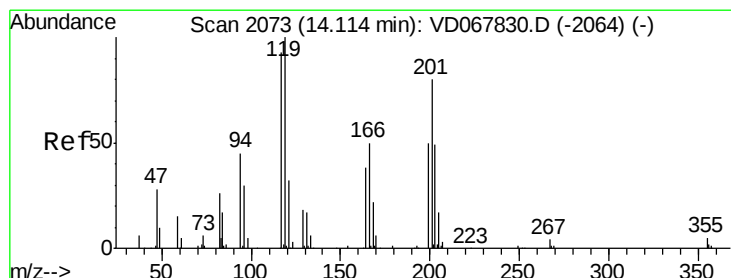
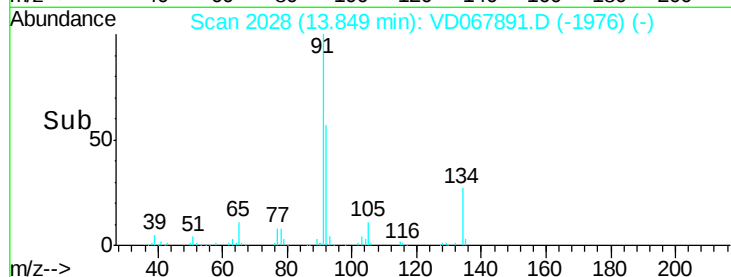
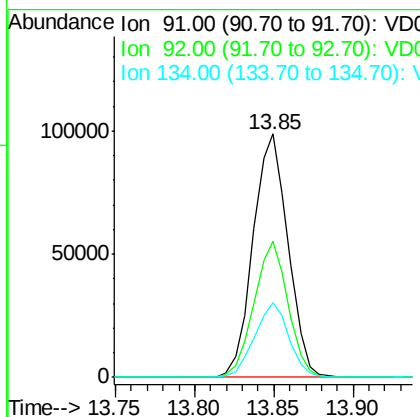
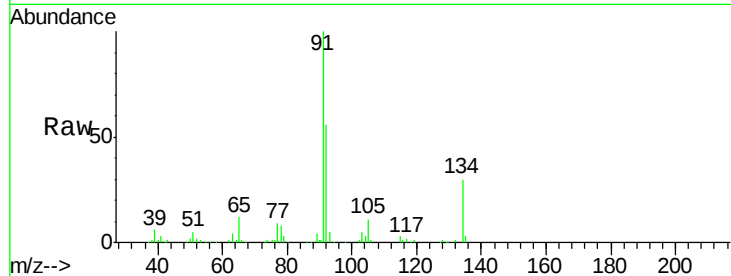
#89
n-Butylbenzene
Concen: 20.136 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	151422		
92	54.3	26.3	78.8	
134	30.0	14.8	44.3	

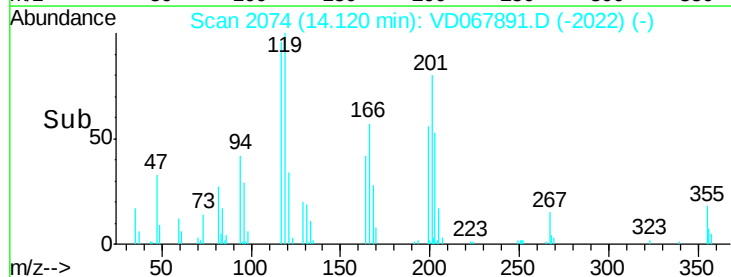
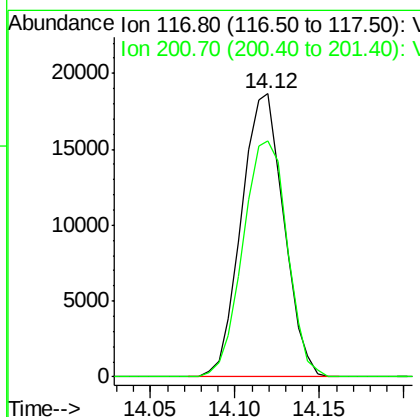
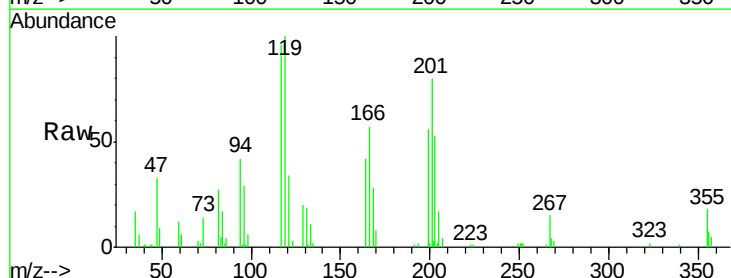
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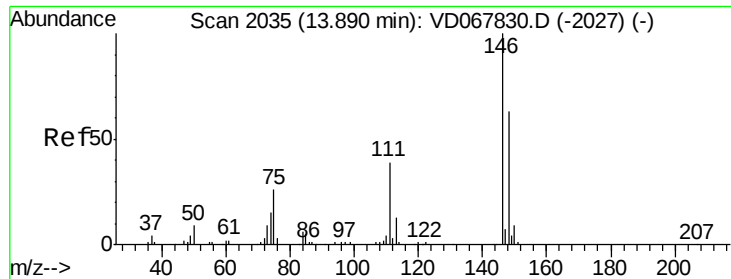
MMDadoda
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#90
Hexachloroethane
Concen: 19.498 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	32584		
201	87.1	43.9	131.6	





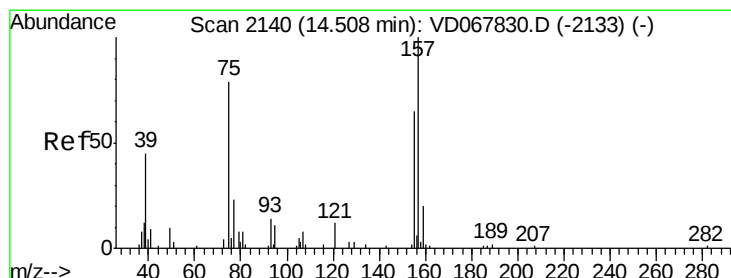
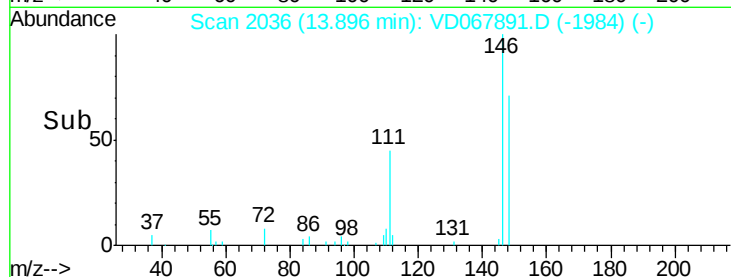
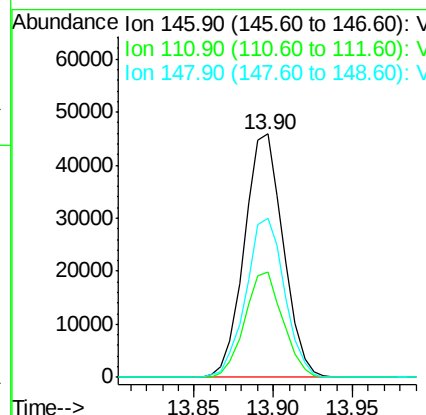
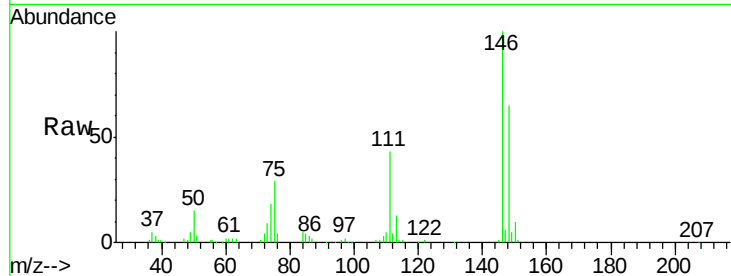
#91
 1,2-Dichlorobenzene
 Concen: 20.055 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.4	61.2
148	64.5	32.1	96.3

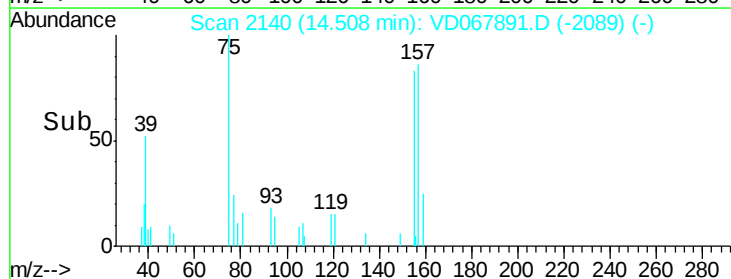
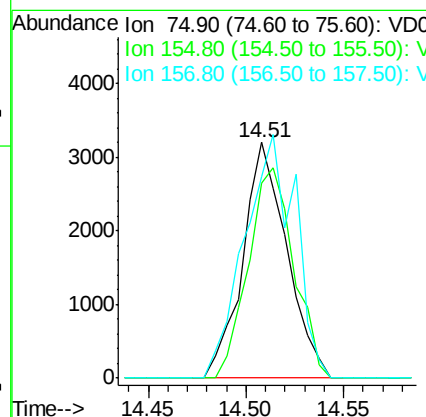
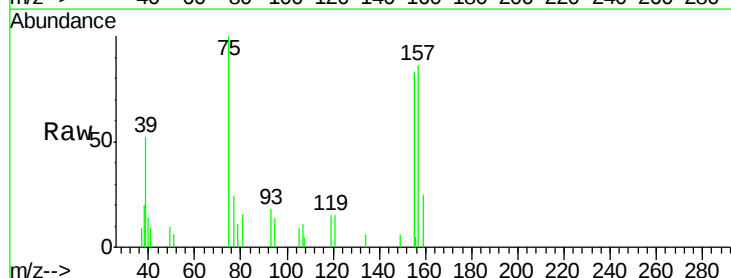
Manual Integrations
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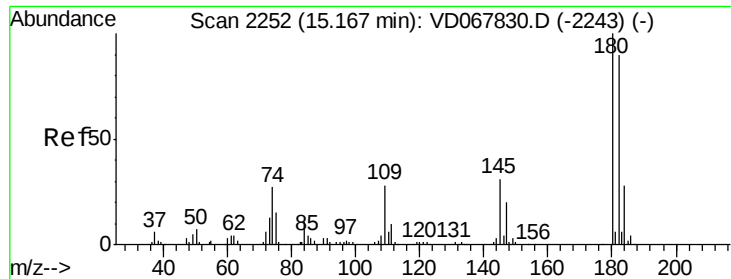
MMDadoda
 12/8/2020 5:05:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.348 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.2	44.1	132.4
157	118.7	62.4	187.2





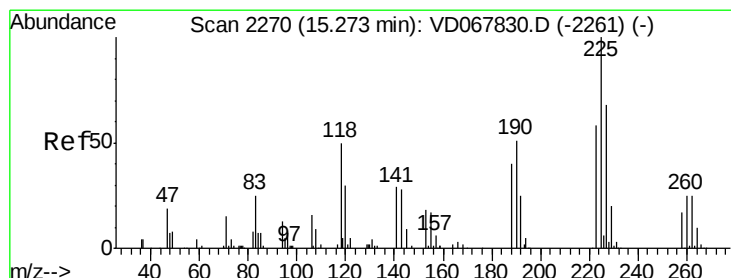
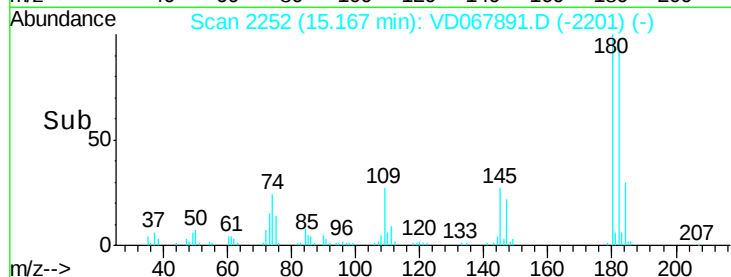
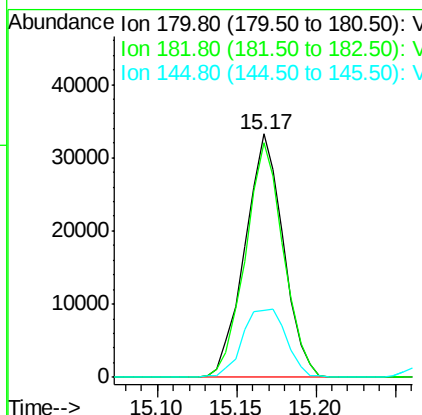
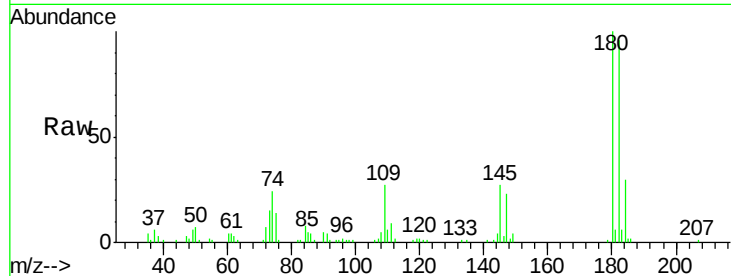
#93
 1,2,4-Trichlorobenzene
 Concen: 20.461 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.6
145	31.9	16.4	49.4

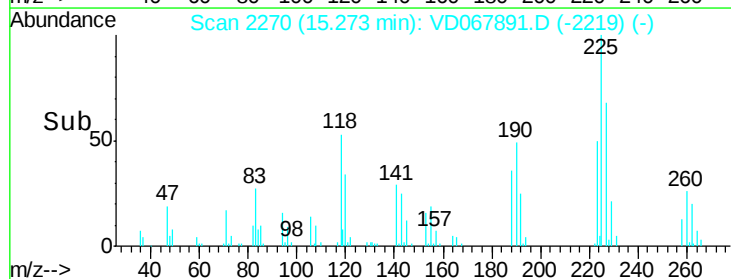
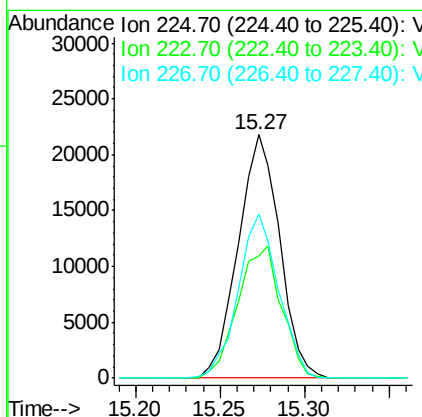
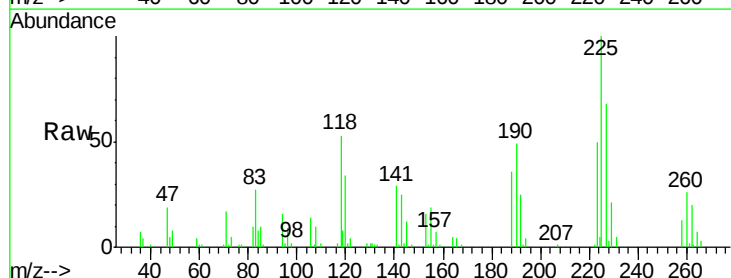
Manual Integrations
 APPROVED

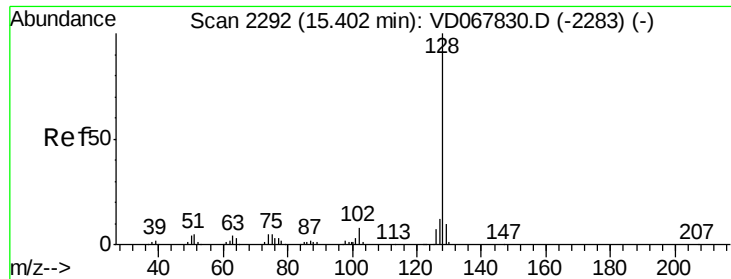
MMDadoda
 12/8/2020 5:05:41 PM



#94
 Hexachlorobutadiene
 Concen: 20.894 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.1	31.1	93.3
227	66.1	33.1	99.3





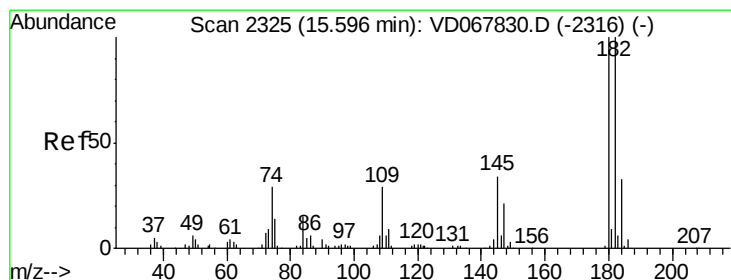
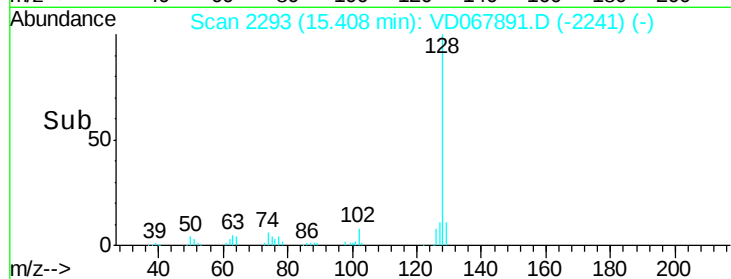
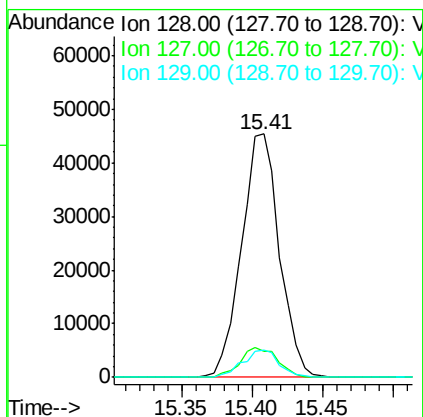
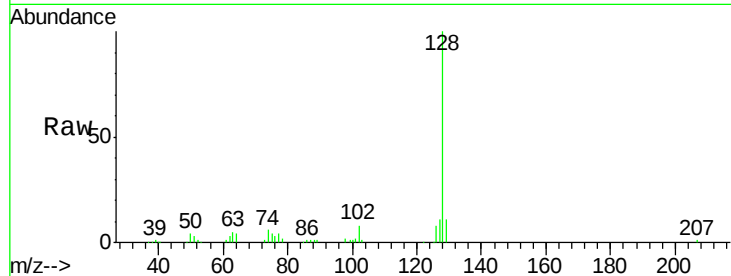
#95
Naphthalene
Concen: 19.194 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.6	15.8
129	10.8	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:05:41 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.941 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.3	142.0
145	32.9	16.8	50.4

