

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120420\
 Data File : VD067878.D
 Acq On : 04 Dec 2020 11:36
 Operator : VA/SY
 Sample : VD1204SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 11:30:47 AM

Quant Time: Dec 04 23:59:08 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	7.99	168	213109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	310503	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	284551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	151030	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	112730	49.27	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.54%
35) Dibromofluoromethane	7.91	113	101388	48.80	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.60%
50) Toluene-d8	10.34	98	368351	49.25	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.50%
62) 4-Bromofluorobenzene	12.64	95	132485	51.23	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.46%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	37594	20.270	ug/l	92
3) Chloromethane	2.21	50	20963	19.585	ug/l	91
4) Vinyl Chloride	2.36	62	27050	20.067	ug/l	97
5) Bromomethane	2.77	94	31782	26.411	ug/l	96
6) Chloroethane	2.93	64	18558	21.145	ug/l	93
7) Trichlorofluoromethane	3.28	101	87737	21.270	ug/l	98
8) Diethyl Ether	3.71	74	17115	21.288	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.10	101	38043	20.225	ug/l	98
10) Methyl Iodide	4.30	142	31827	15.964	ug/l	99
11) Tert butyl alcohol	5.18	59	16229m	104.589	ug/l	
12) 1,1-Dichloroethene	4.08	96	36452	20.642	ug/l #	85
13) Acrolein	3.91	56	6750	76.777	ug/l	86
14) Allyl chloride	4.72	41	34435	21.078	ug/l	98
15) Acrylonitrile	5.41	53	28967	103.909	ug/l	94
16) Acetone	4.15	43	25911	91.654	ug/l	92
17) Carbon Disulfide	4.41	76	97927	19.862	ug/l	98
18) Methyl Acetate	4.71	43	11171	20.628	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	79627	21.058	ug/l	98
20) Methylene Chloride	4.96	84	46812	23.376	ug/l	94
21) trans-1,2-Dichloroethene	5.48	96	42564	21.182	ug/l	90
22) Diisopropyl ether	6.36	45	71730	21.831	ug/l	95
23) Vinyl Acetate	6.30	43	188785	103.280	ug/l	96
24) 1,1-Dichloroethane	6.27	63	60993	21.176	ug/l	96
25) 2-Butanone	7.22	43	28479	95.776	ug/l	99
26) 2,2-Dichloropropane	7.21	77	74814	21.782	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	47223	21.485	ug/l	95
28) Bromochloromethane	7.55	49	17792	19.456	ug/l	99
29) Tetrahydrofuran	7.57	42	16820	99.347	ug/l	97
30) Chloroform	7.71	83	81598	21.199	ug/l	98
31) Cyclohexane	7.99	56	48556	20.145	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	88222	21.712	ug/l	99
36) 1,1-Dichloropropene	8.11	75	54203	20.165	ug/l	99
37) Ethyl Acetate	7.29	43	12101	16.703	ug/l #	94
38) Carbon Tetrachloride	8.10	117	85306	20.975	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	64829	20.352	ug/l	99
40) Benzene	8.36	78	156627	21.295	ug/l	99
41) Methacrylonitrile	7.52	41	8775	23.098	ug/l #	73
42) 1,2-Dichloroethane	8.43	62	54157	20.660	ug/l	97
43) Isopropyl Acetate	8.45	43	26997	18.939	ug/l	98
44) Trichloroethene	9.11	130	54088	21.389	ug/l	96
45) 1,2-Dichloropropane	9.40	63	31243	20.696	ug/l	99
46) Dibromomethane	9.48	93	22424	21.365	ug/l	98
47) Bromodichloromethane	9.67	83	64007	21.391	ug/l	96
48) Methyl methacrylate	9.46	41	13533	18.697	ug/l	94
49) 1,4-Dioxane	9.47	88	4506	375.715	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	65810	97.547	ug/l	98
52) Toluene	10.41	92	110932	21.572	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	53575	20.744	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	61178	21.777	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	29235	20.353	ug/l	96
56) Ethyl methacrylate	10.67	69	28390	19.426	ug/l	98
57) 1,3-Dichloropropane	10.95	76	46202	20.306	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	56161	84.452	ug/l	95
59) 2-Hexanone	10.98	43	45078	94.783	ug/l	98
60) Dibromochloromethane	11.14	129	46720	21.577	ug/l	97
61) 1,2-Dibromoethane	11.25	107	29296	20.740	ug/l	95
64) Tetrachloroethene	10.88	164	47687	20.546	ug/l	94
65) Chlorobenzene	11.67	112	127188	21.662	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	50729	21.184	ug/l	97
67) Ethyl Benzene	11.75	91	215303	21.526	ug/l	99
68) m/p-Xylenes	11.86	106	171168	43.401	ug/l	99
69) o-Xylene	12.18	106	76025	21.714	ug/l	97
70) Styrene	12.20	104	135324	22.228	ug/l	99
71) Bromoform	12.37	173	25582	20.181	ug/l #	94
73) Isopropylbenzene	12.48	105	222771	21.449	ug/l	98
74) N-amyl acetate	12.29	43	23494	18.287	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	25759	18.785	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	20977m	19.073	ug/l	
77) Bromobenzene	12.77	156	54118	20.959	ug/l	98
78) n-propylbenzene	12.83	91	245988	21.369	ug/l	99
79) 2-Chlorotoluene	12.91	91	143866	21.244	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	194625	21.643	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	8548	18.591	ug/l	98
82) 4-Chlorotoluene	13.01	91	153753	21.283	ug/l	99
83) tert-Butylbenzene	13.23	119	164371	21.480	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	193720	21.664	ug/l	98
85) sec-Butylbenzene	13.40	105	207778	20.344	ug/l	96
86) p-Isopropyltoluene	13.52	119	213519	21.331	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	106279	21.337	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	103487	20.768	ug/l	98
89) n-Butylbenzene	13.84	91	172000	20.683	ug/l	99
90) Hexachloroethane	14.11	117	37165	20.110	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	87945	20.358	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5465	19.097	ug/l	89

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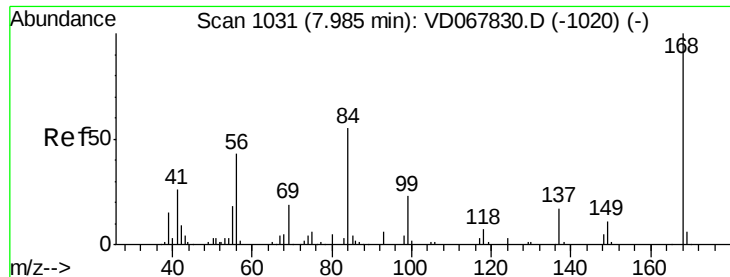
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	64178	21.238	ug/l	99
94) Hexachlorobutadiene	15.27	225	41436	21.014	ug/l	99
95) Naphthalene	15.40	128	93757	19.068	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	53801	20.617	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion:168 Resp: 213109

Ion Ratio Lower Upper

168 100

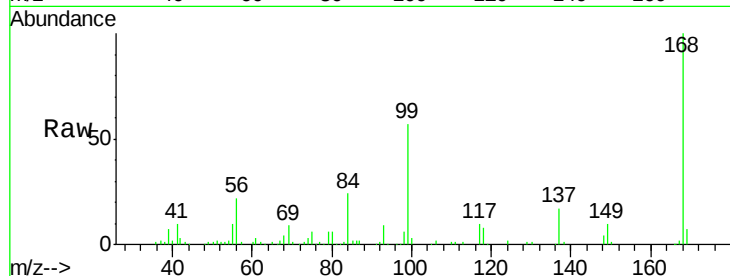
99 56.6 47.1 70.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

100000

80000

60000

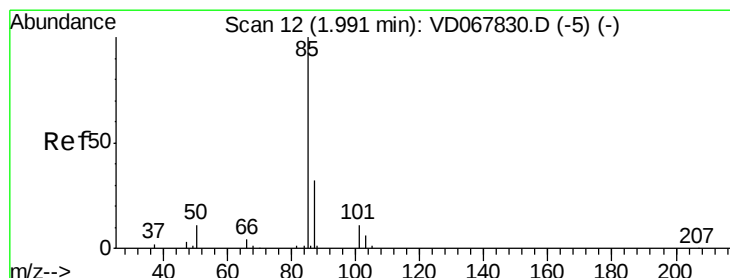
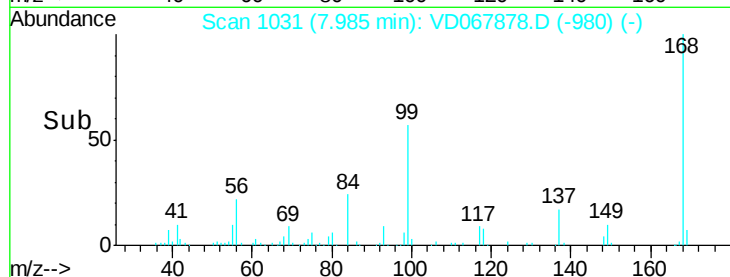
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.270 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067878.D

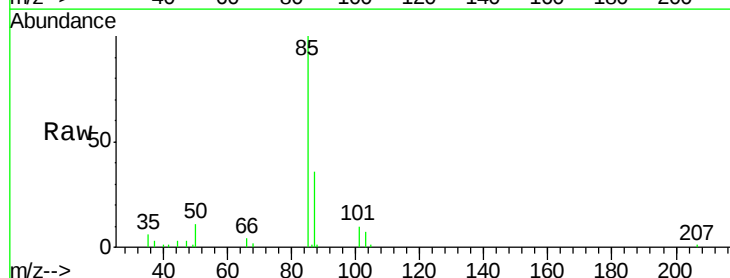
Acq: 04 Dec 2020 11:36

Tgt Ion: 85 Resp: 37594

Ion Ratio Lower Upper

85 100

87 36.0 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

30000

25000

20000

15000

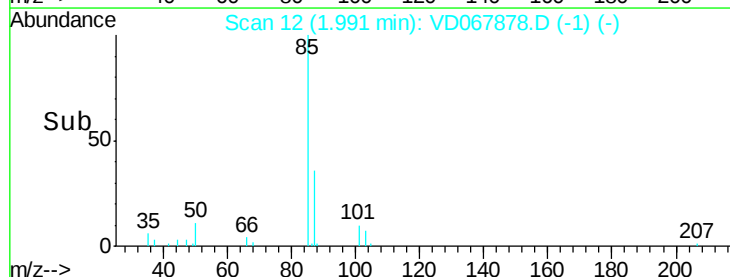
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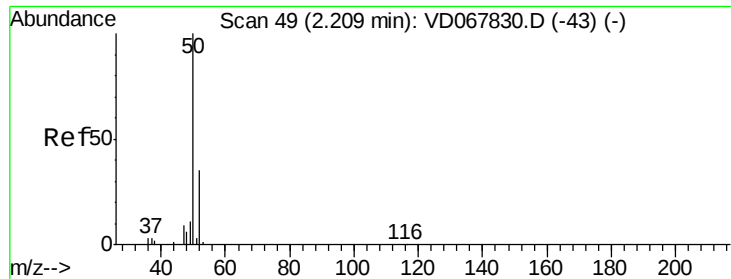
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.585 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 50 Resp: 20963

Ion Ratio Lower Upper

50 100

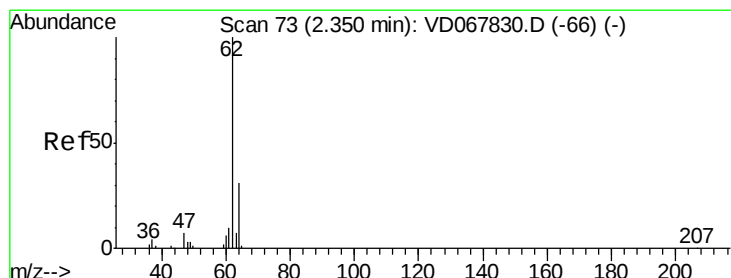
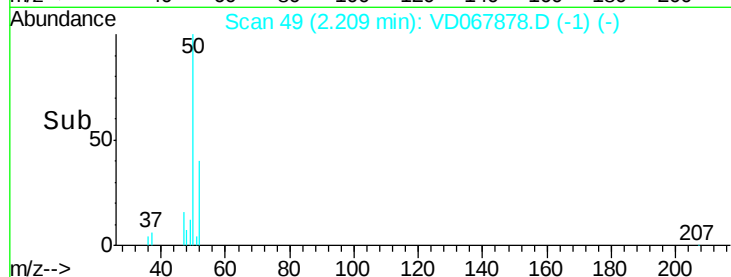
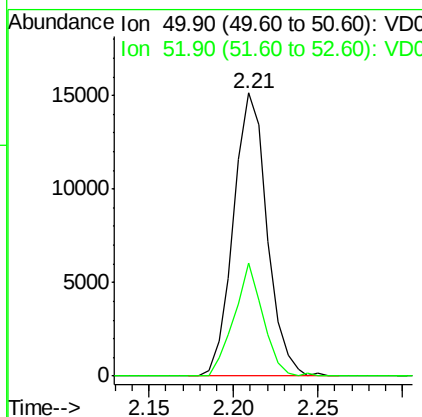
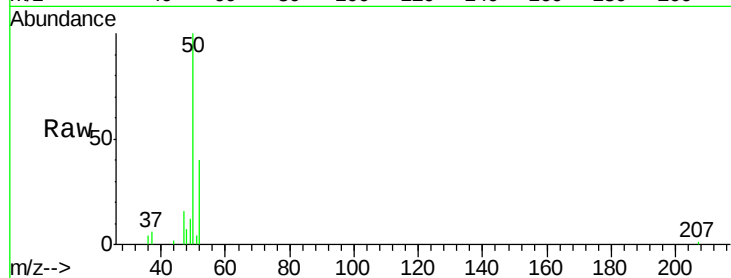
52 39.9 27.8 41.6

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#4

Vinyl Chloride

Concen: 20.067 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067878.D

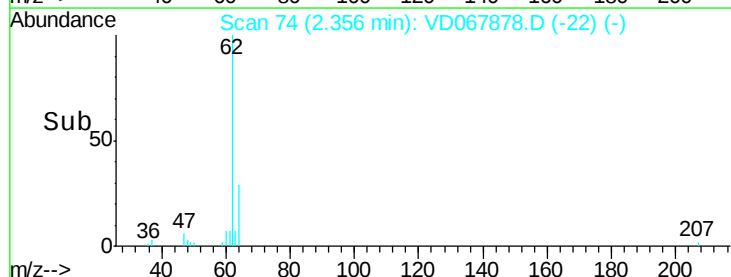
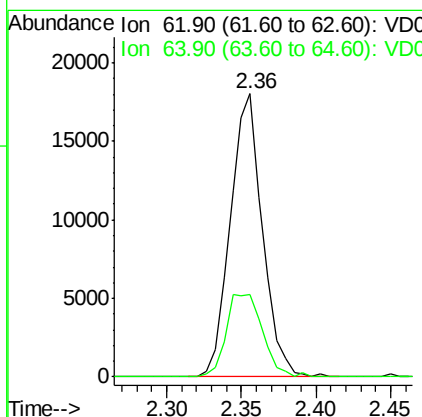
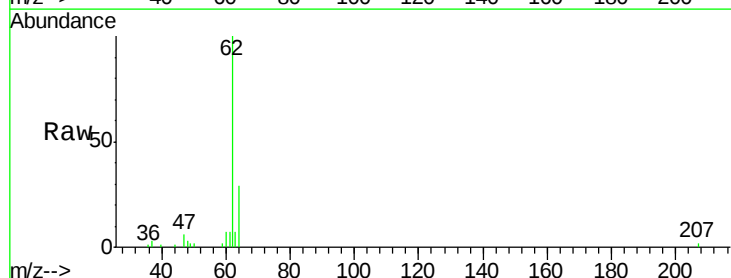
Acq: 04 Dec 2020 11:36

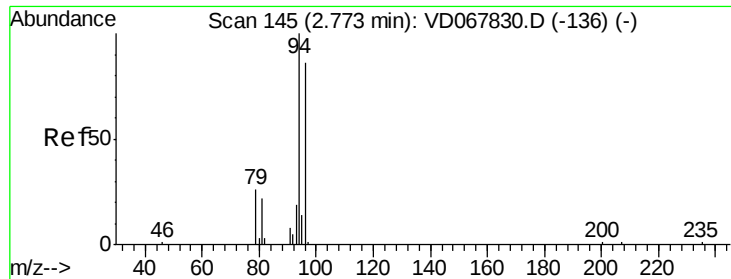
Tgt Ion: 62 Resp: 27050

Ion Ratio Lower Upper

62 100

64 29.2 24.5 36.7





#5

Bromomethane

Concen: 26.411 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

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ClientSampleId :

VD1204SBS01

Tot Ion: 94 Resp: 31782

Ion Ratio Lower Upper

94 100

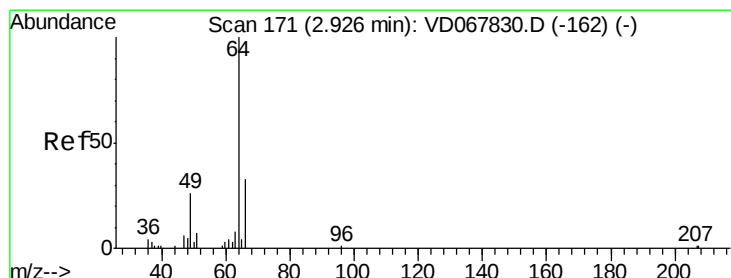
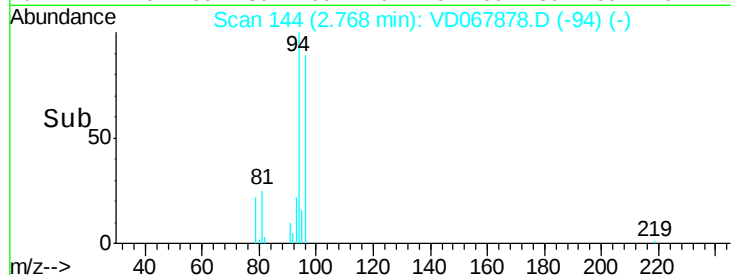
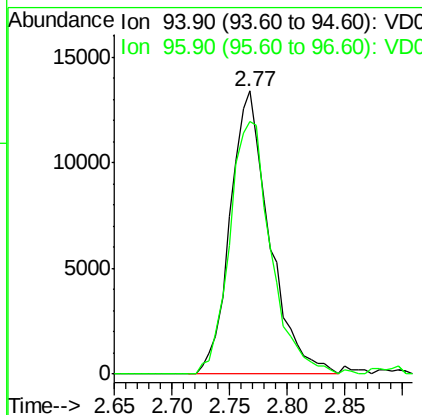
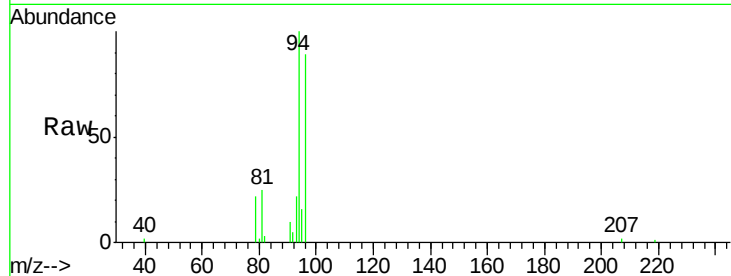
96 89.1 68.7 103.1

Manual Integrations

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#6

Chloroethane

Concen: 21.145 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD067878.D

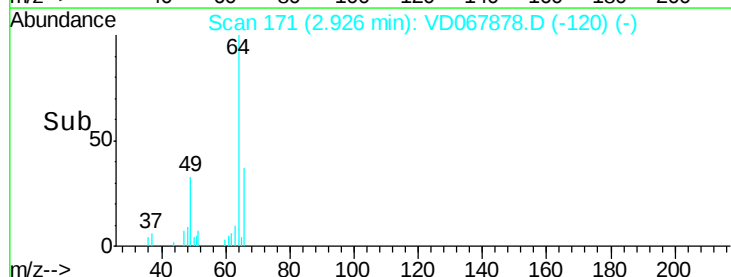
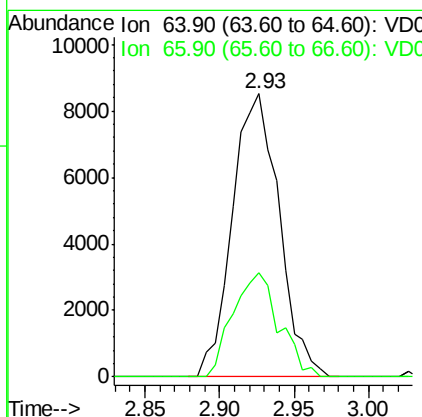
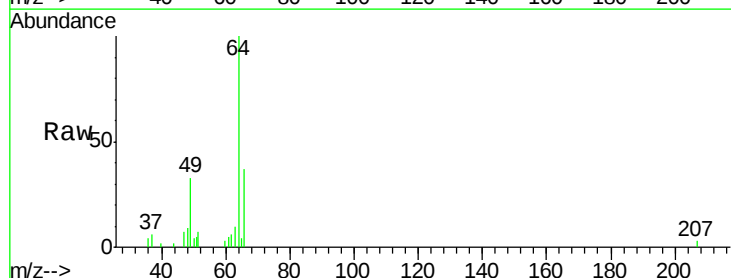
Acq: 04 Dec 2020 11:36

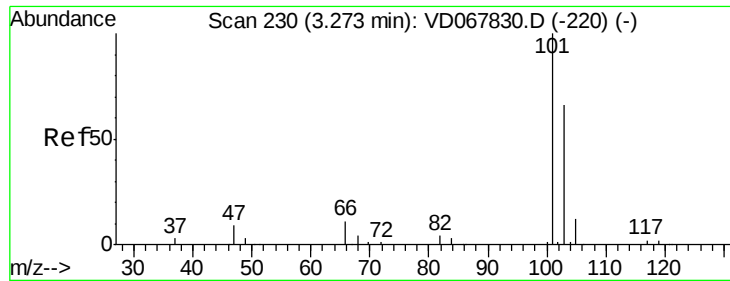
Tgt Ion: 64 Resp: 18558

Ion Ratio Lower Upper

64 100

66 36.7 26.1 39.1





#7

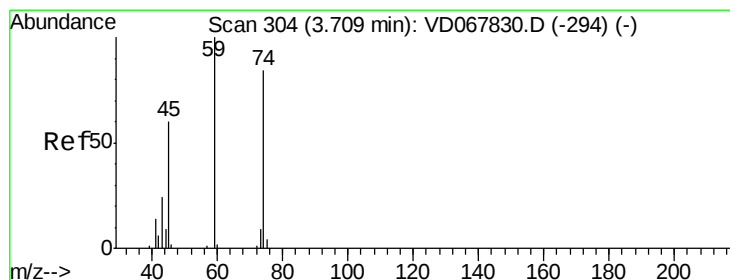
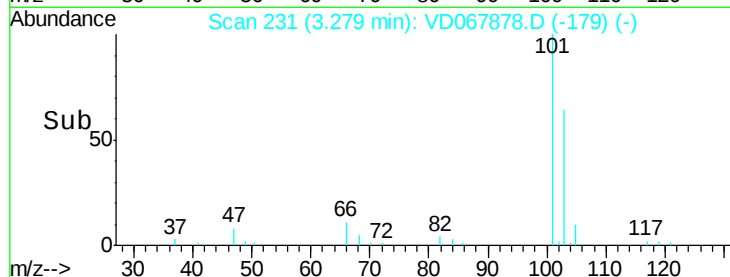
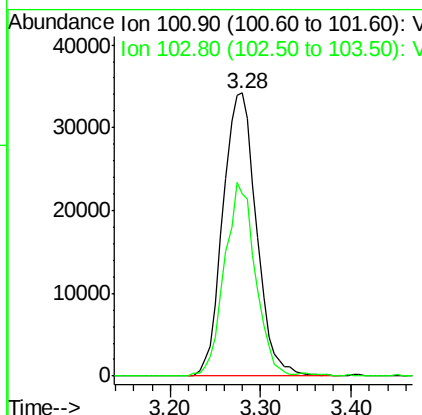
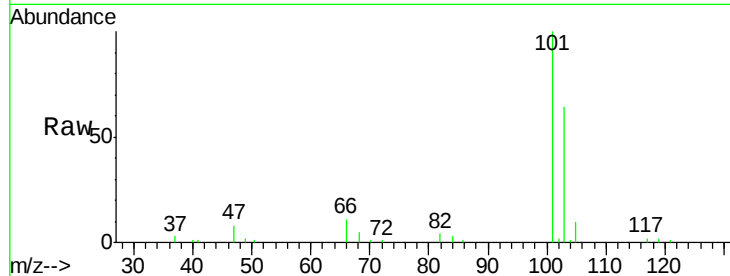
Trichlorofluoromethane
Concen: 21.270 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Instrument :
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ClientSampleId :
VD1204SBS01

Tot Ion:101 Resp: 87737
Ion Ratio Lower Upper
101 100
103 64.5 53.0 79.6

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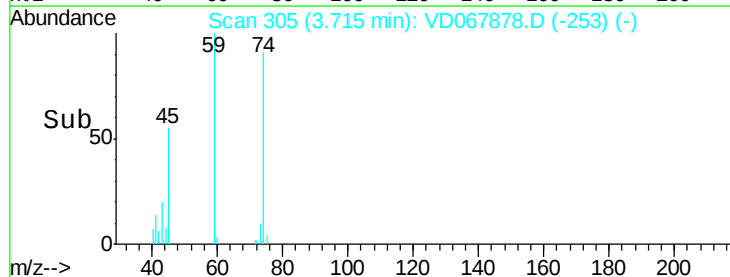
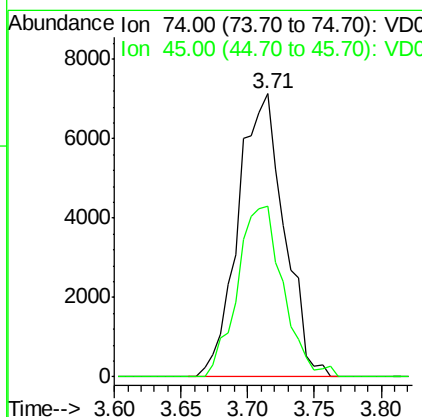
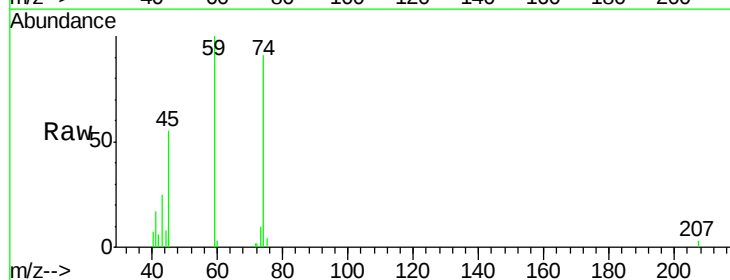
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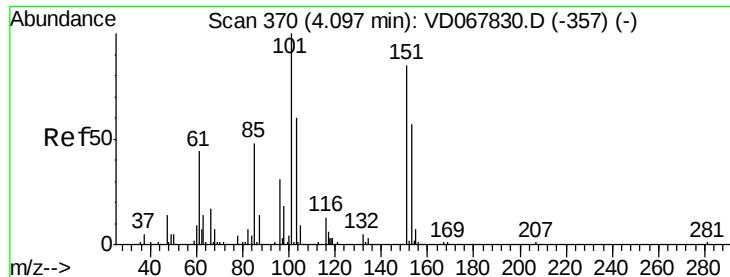


#8

Diethyl Ether
Concen: 21.288 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion: 74 Resp: 17115
Ion Ratio Lower Upper
74 100
45 59.6 33.9 101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.225 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

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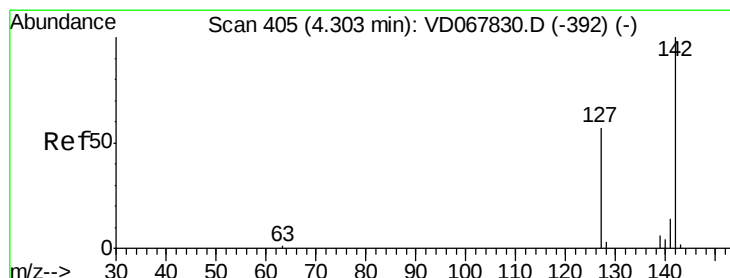
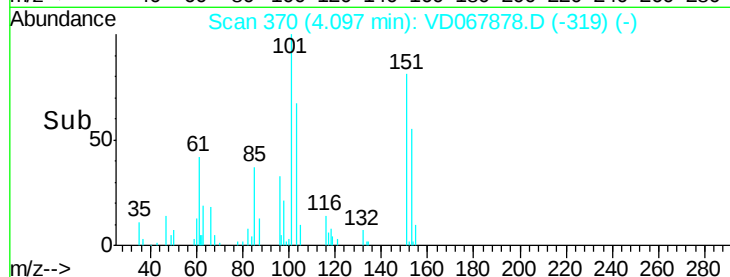
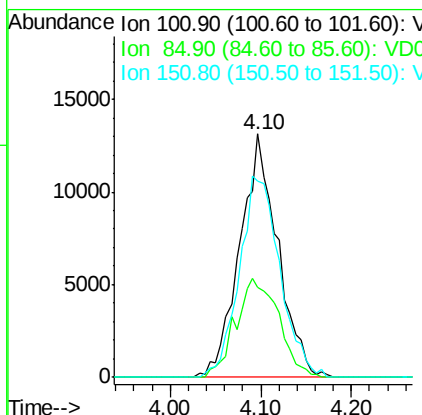
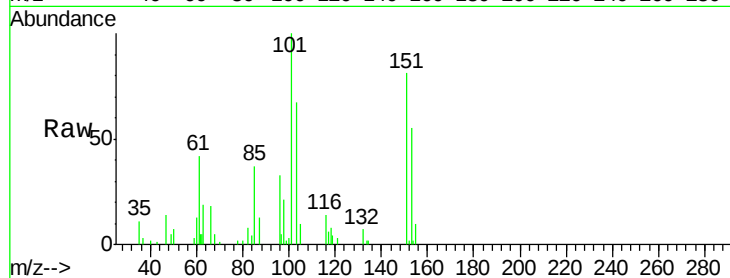
ClientSampleId :

VD1204SBS01

Tot Ion:	101	Resp:	38043
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.2	54.4
151	88.5	69.4	104.2

Manual Integrations
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12/7/2020 11:30:47 AM



#10

Methyl Iodide

Concen: 15.964 ug/l

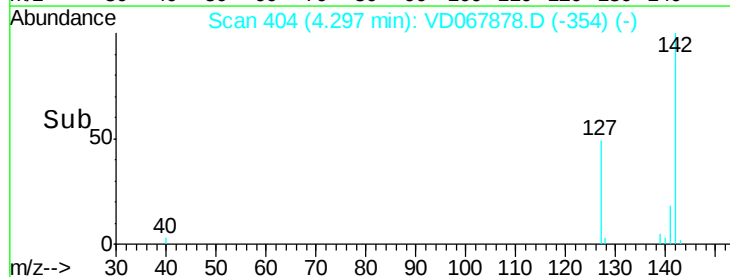
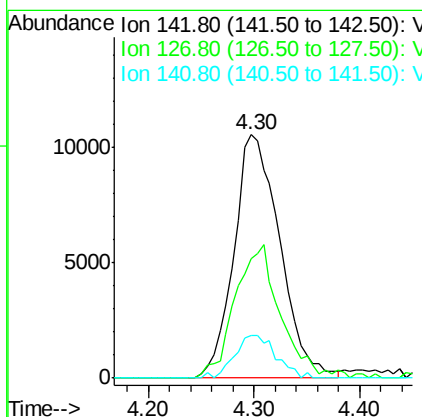
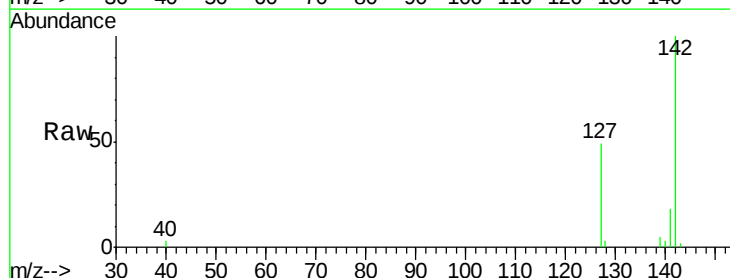
RT: 4.30 min Scan# 404

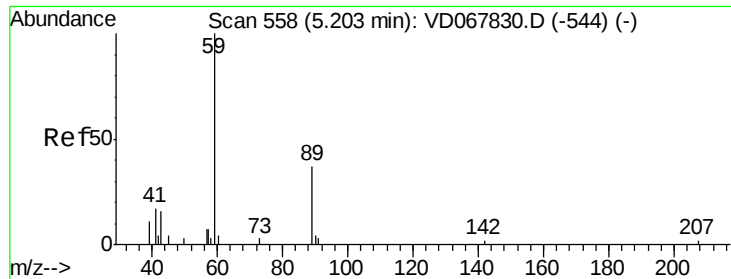
Delta R.T. -0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Tgt Ion:	142	Resp:	31827
Ion Ratio	Lower	Upper	
142	100		
127	54.6	43.9	65.9
141	15.9	12.2	18.2





#11

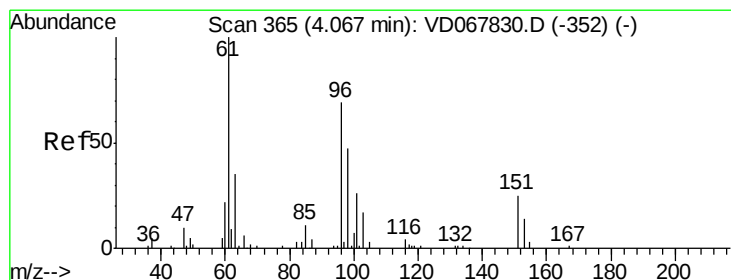
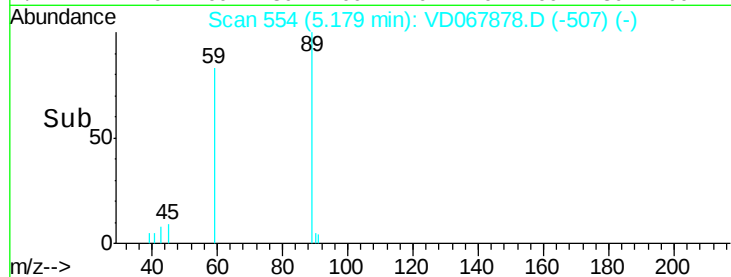
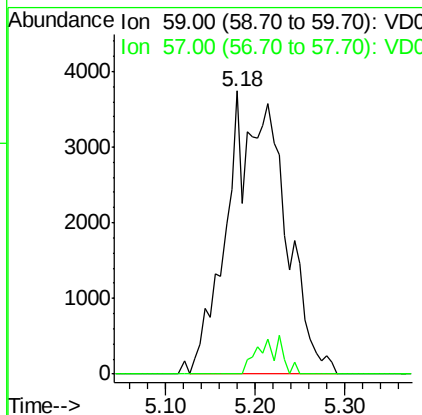
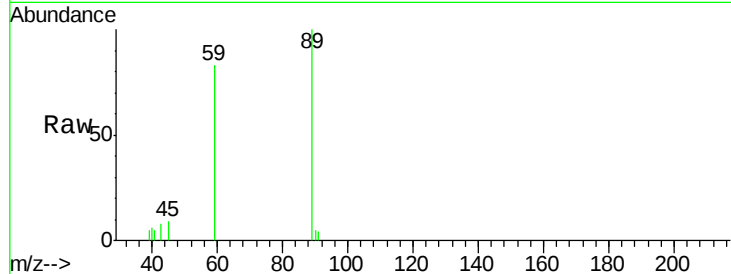
Tert butyl alcohol
 Concen: 104.589 ug/l m
 RT: 5.18 min Scan# 554
 Delta R.T. -0.02 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.7	11.5#

Manual Integrations
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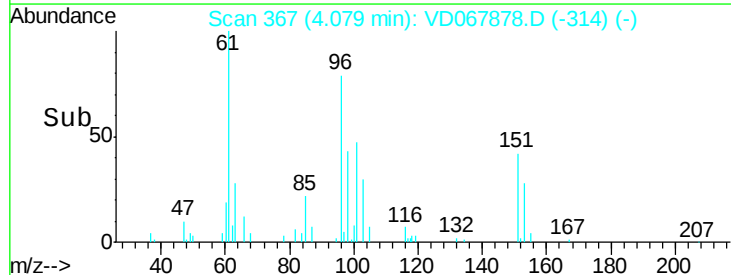
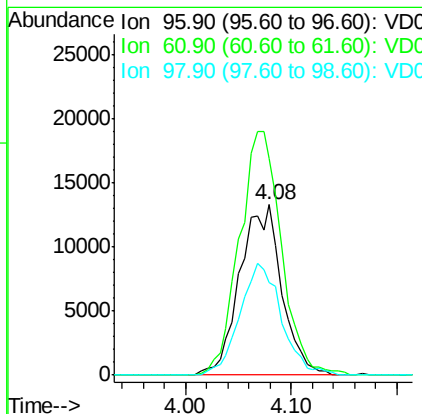
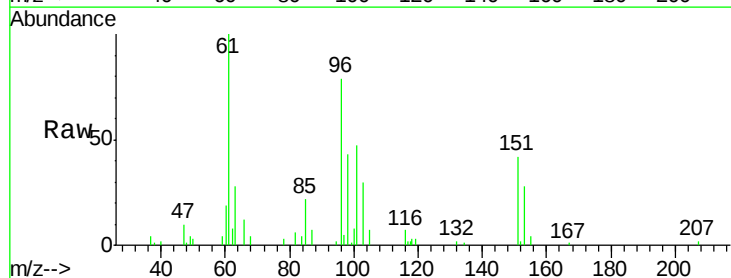
MMDadoda
 12/7/2020 11:30:47 AM

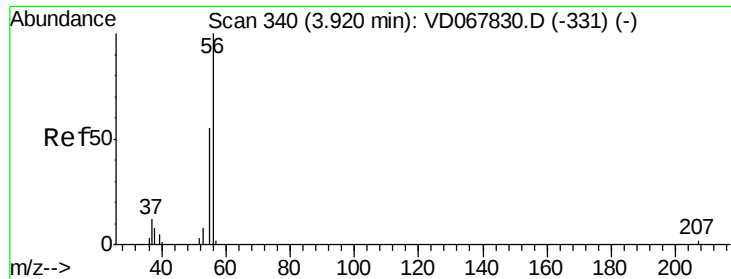


#12

1,1-Dichloroethene
 Concen: 20.642 ug/l
 RT: 4.08 min Scan# 367
 Delta R.T. 0.01 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.2	116.1	174.1
98	54.5	54.6	82.0#





#13

Acrolein

Concen: 76.777 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 56 Resp: 6750

Ion Ratio Lower Upper

56 100

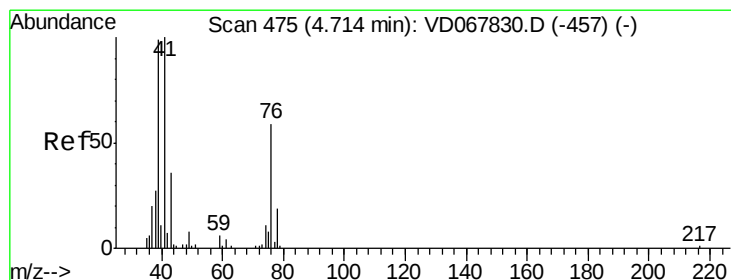
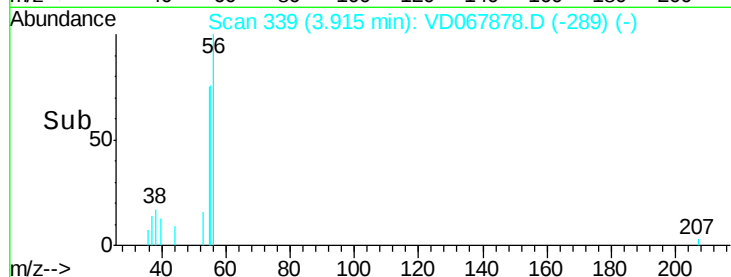
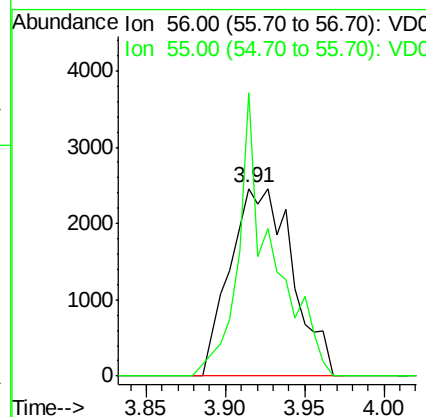
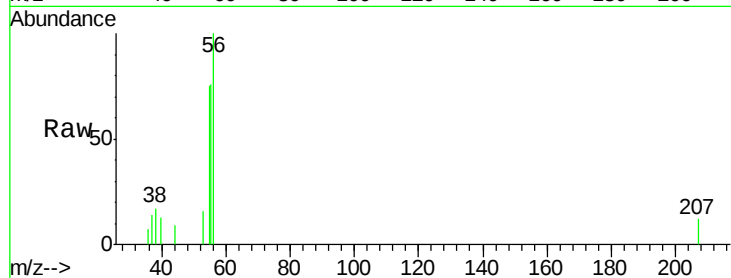
55 81.7 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 21.078 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

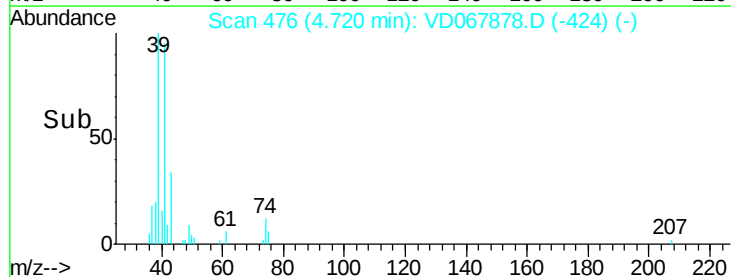
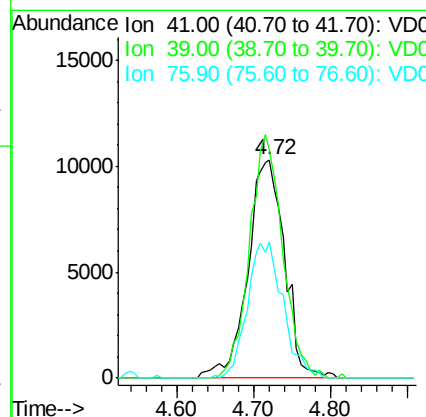
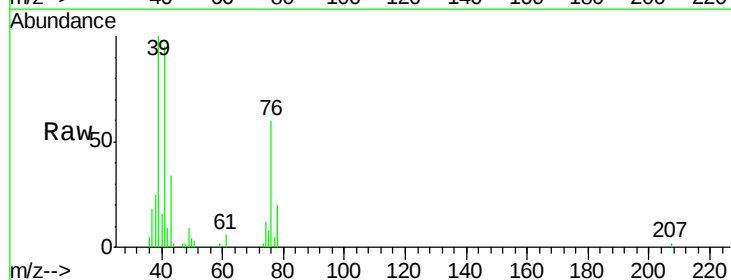
Tgt Ion: 41 Resp: 34435

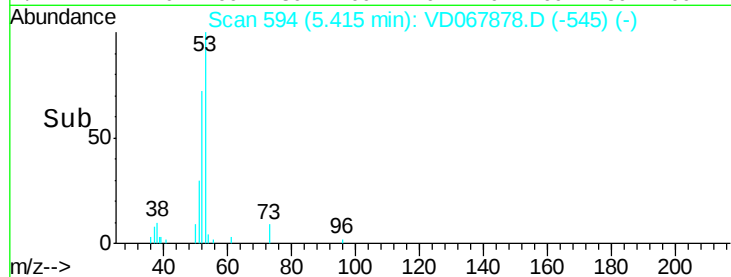
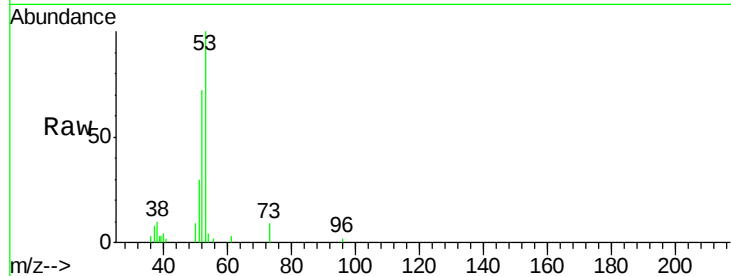
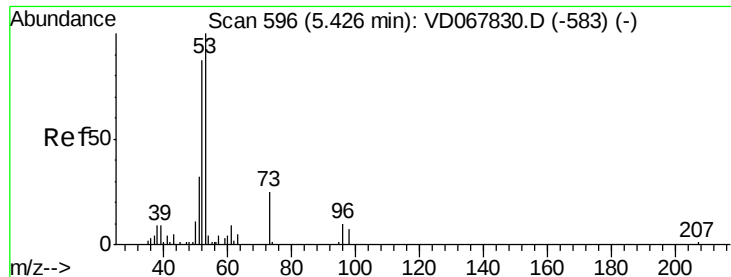
Ion Ratio Lower Upper

41 100

39 100.6 79.0 118.6

76 60.2 46.6 70.0





#15

Acrylonitrile

Concen: 103.909 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD067878.D

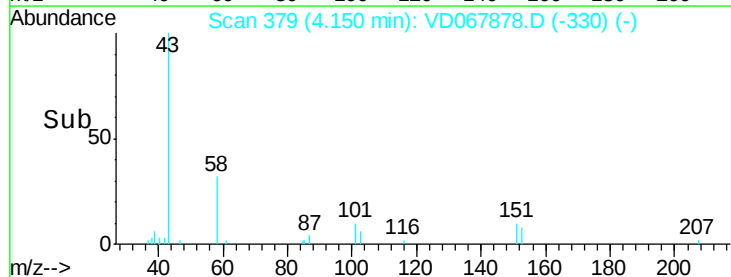
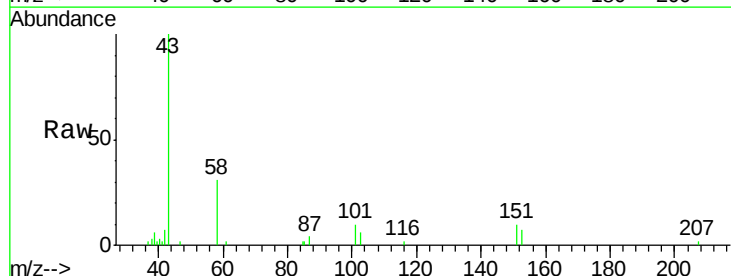
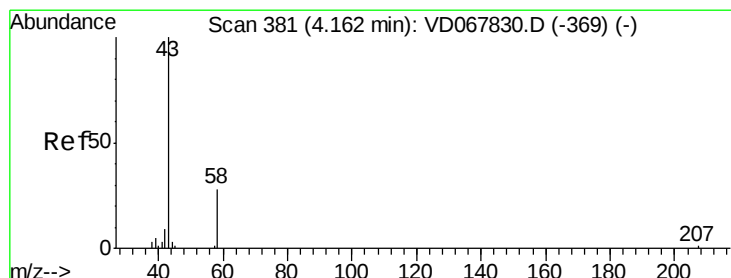
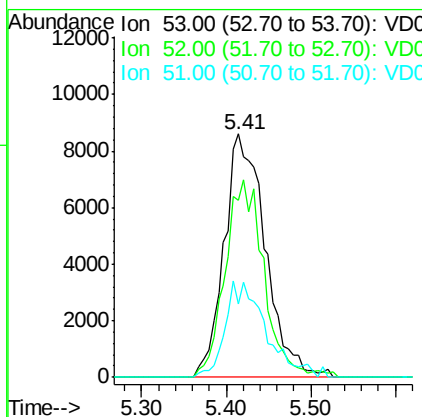
Acq: 04 Dec 2020 11:36

Tot Ion:	53	Resp:	28967
Ion Ratio	Lower	Upper	
53	100		
52	75.7	66.2	99.2
51	38.6	31.1	46.7

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Manual Integrations
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#16

Acetone

Concen: 91.654 ug/l

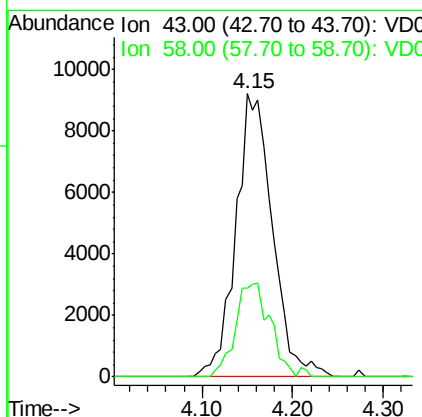
RT: 4.15 min Scan# 379

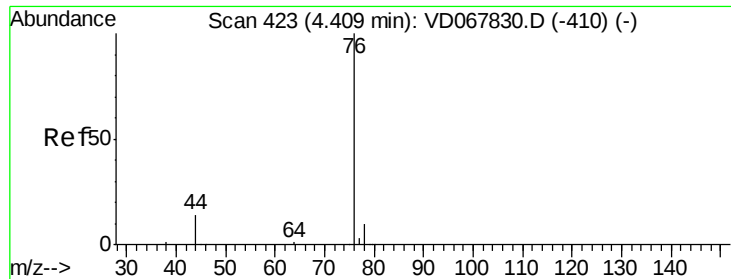
Delta R.T. -0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Tgt Ion:	43	Resp:	25911
Ion Ratio	Lower	Upper	
43	100		
58	31.3	21.9	32.9





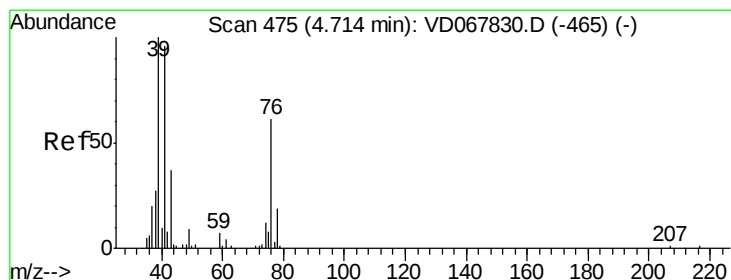
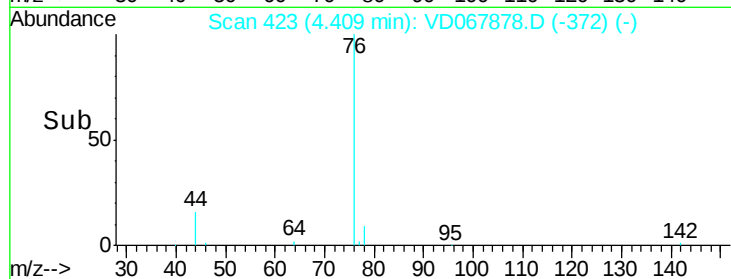
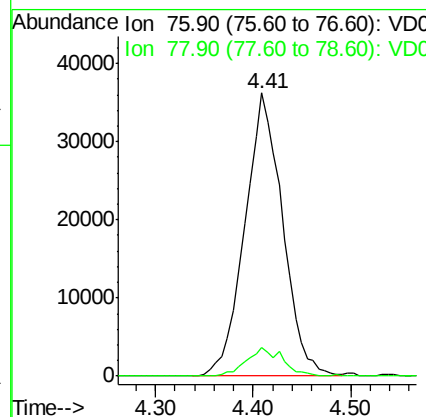
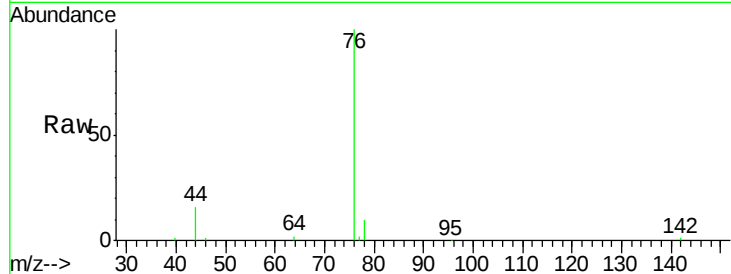
#17
Carbon Disulfide
Concen: 19.862 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.8	11.6

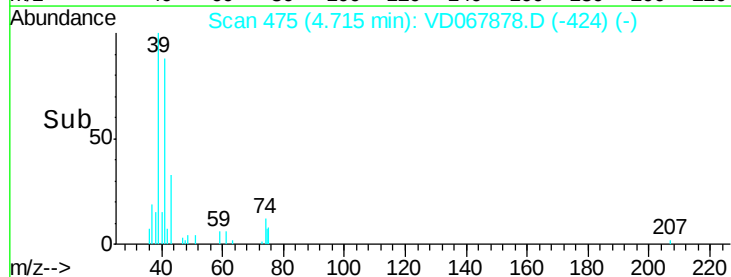
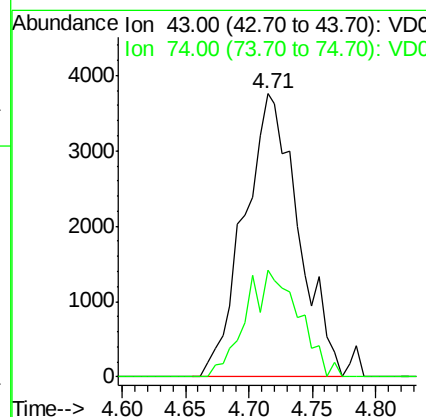
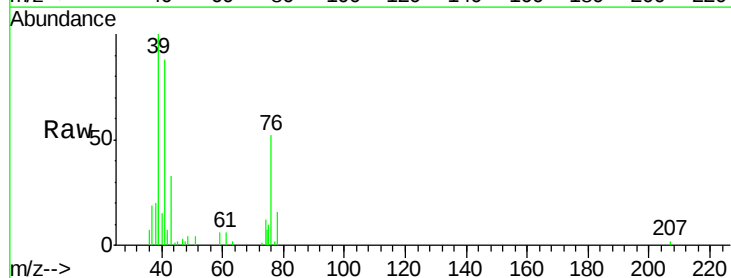
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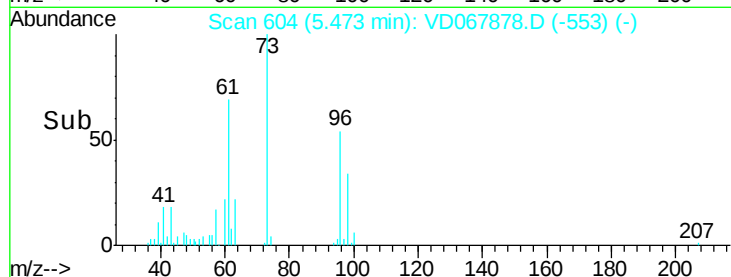
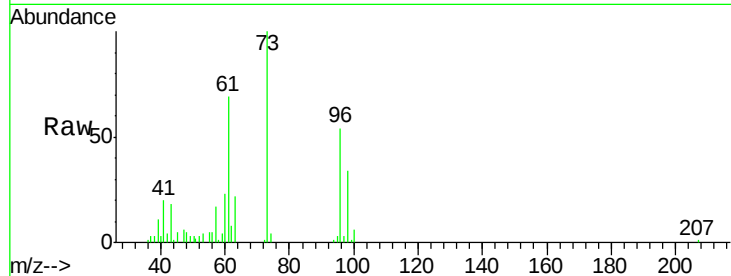
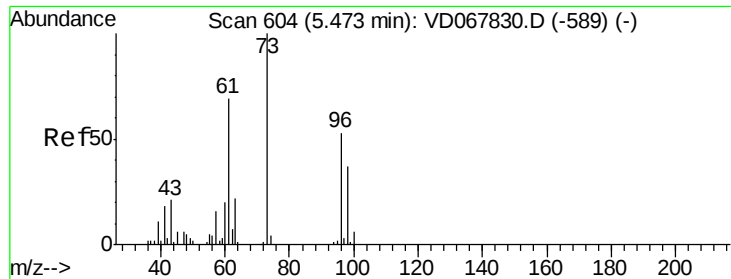
MMDadoda
12/7/2020 11:30:47 AM



#18
Methyl Acetate
Concen: 20.628 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	37.0	27.0	40.4





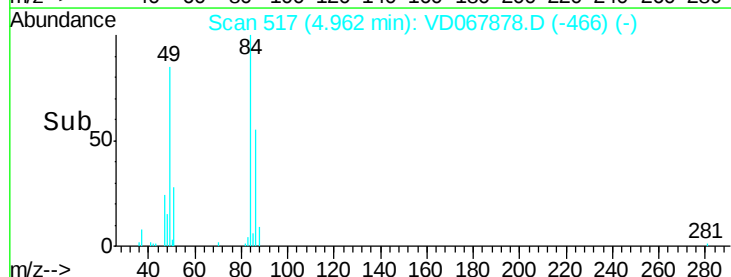
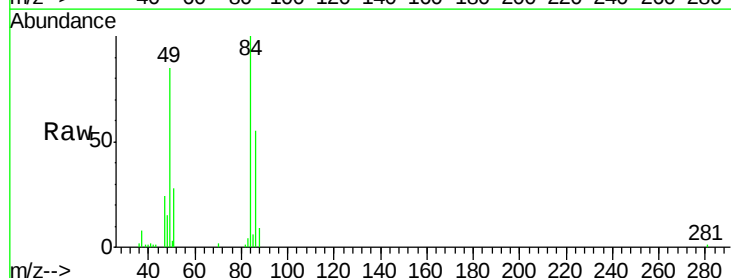
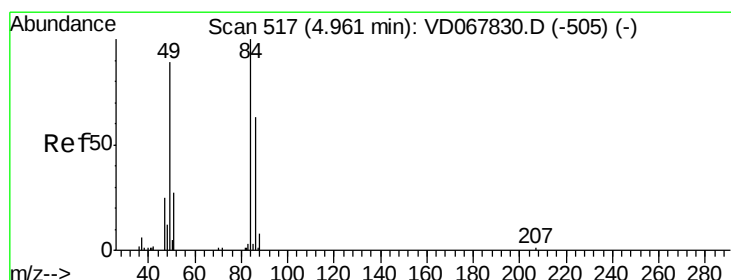
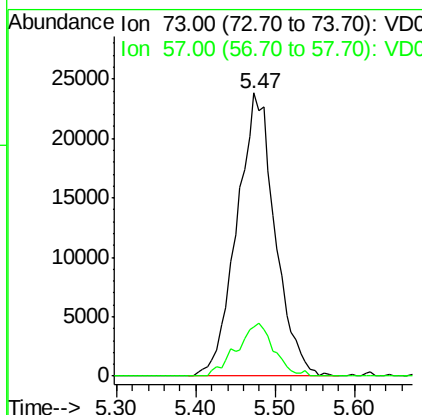
#19
Methvl tert-butvl Ether
Concen: 21.058 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tot Ion: 73 Resp: 79627
Ion Ratio Lower Upper
73 100
57 17.2 13.2 19.8

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

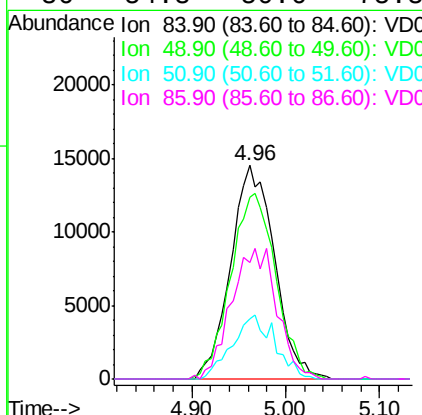
Manual Integrations
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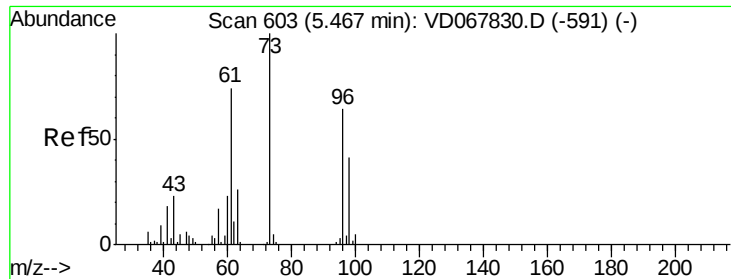
MMDadoda
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#20
Methylene Chloride
Concen: 23.376 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion: 84 Resp: 46812
Ion Ratio Lower Upper
84 100
49 84.9 71.4 107.0
51 28.0 21.8 32.8
86 54.8 50.6 75.8





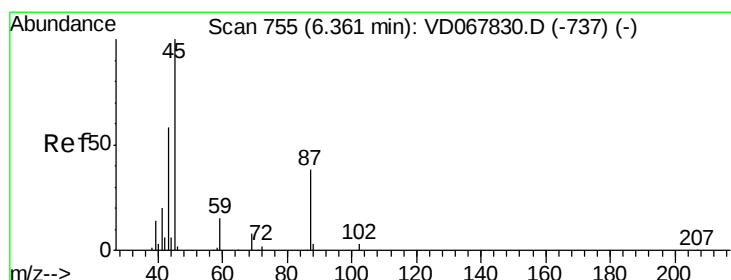
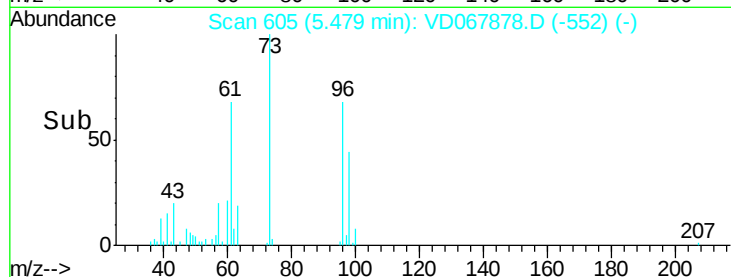
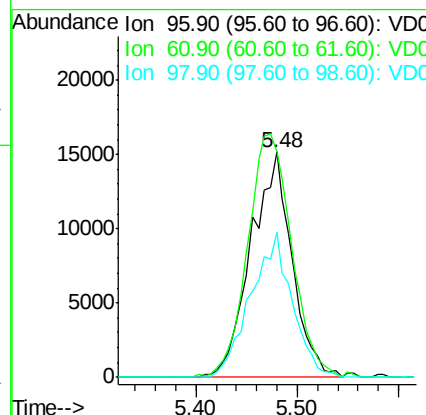
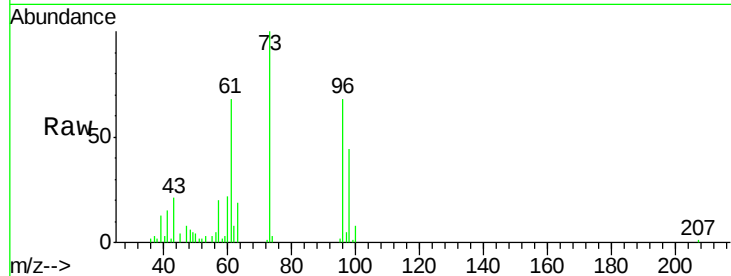
#21
trans-1,2-Dichloroethene
Concen: 21.182 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	100.1	93.1	139.7
98	64.1	52.2	78.2

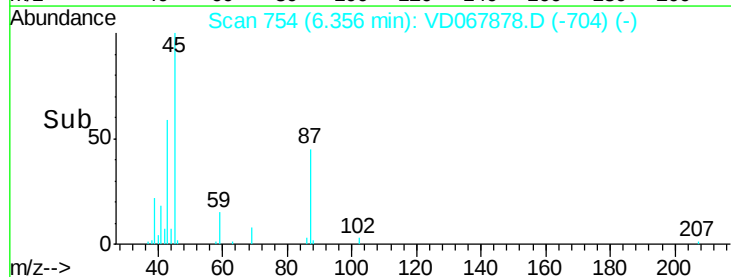
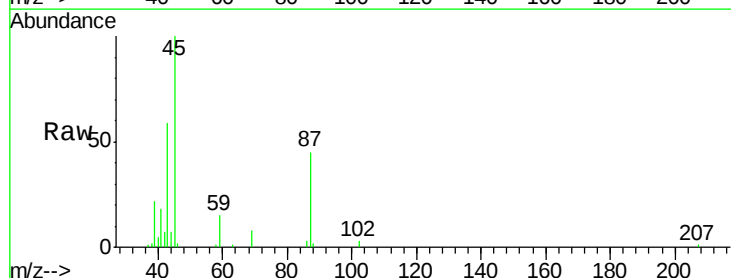
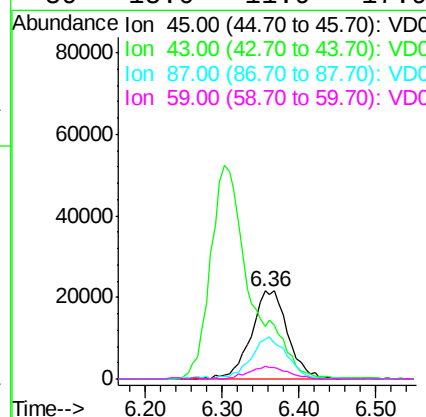
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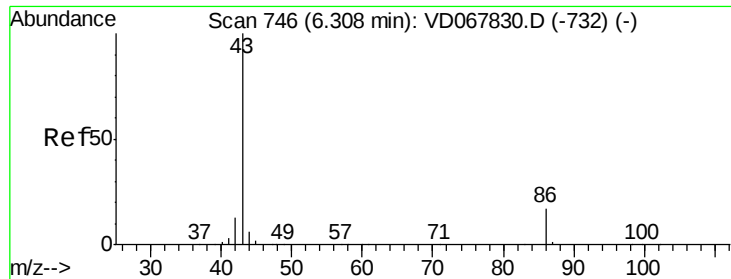
MMDadoda
12/7/2020 11:30:47 AM



#22
Diisopropyl ether
Concen: 21.831 ug/l
RT: 6.36 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.3	49.8	74.6
87	44.6	32.1	48.1
59	15.0	11.9	17.9





#23

Vinyl Acetate

Concen: 103.280 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 43 Resp: 188785

Ion Ratio Lower Upper

43 100

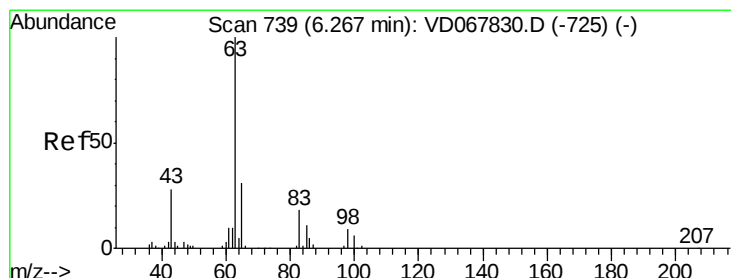
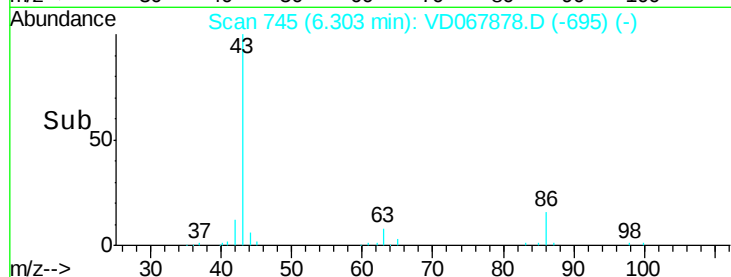
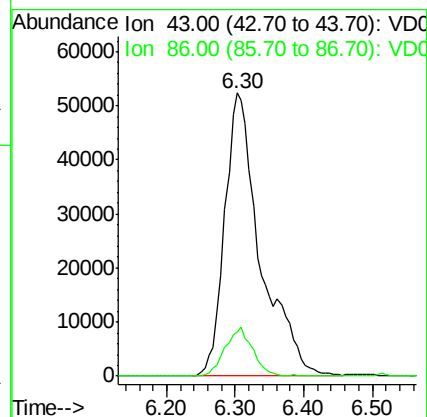
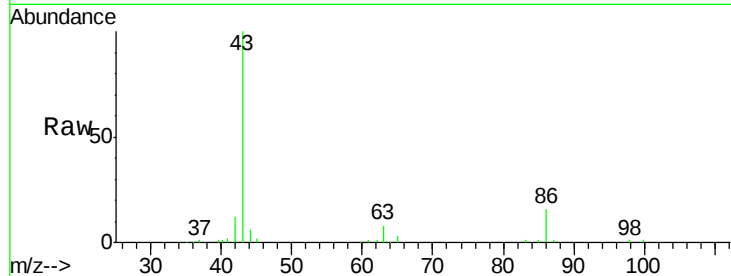
86 15.7 13.8 20.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.176 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

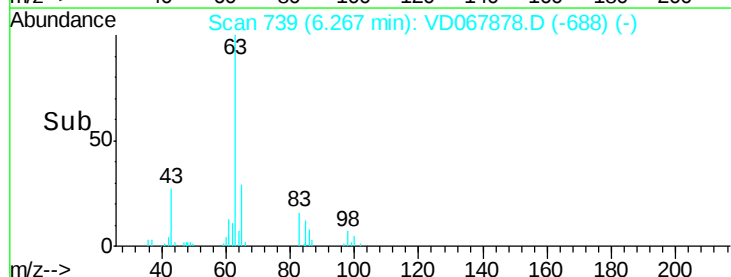
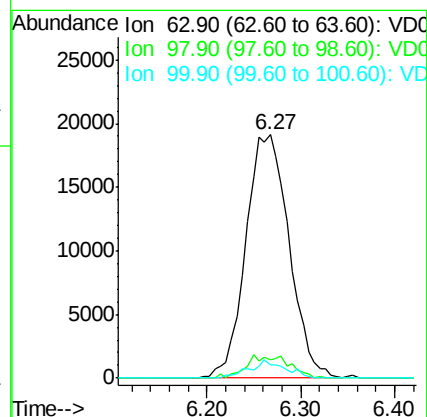
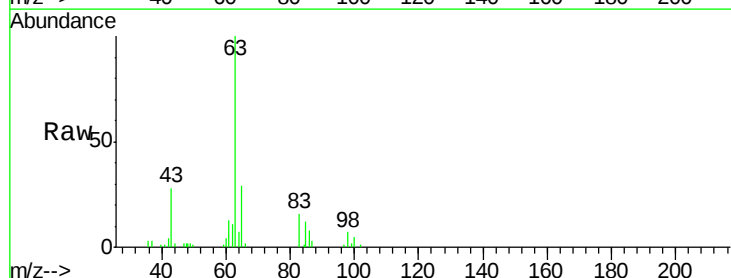
Tgt Ion: 63 Resp: 60993

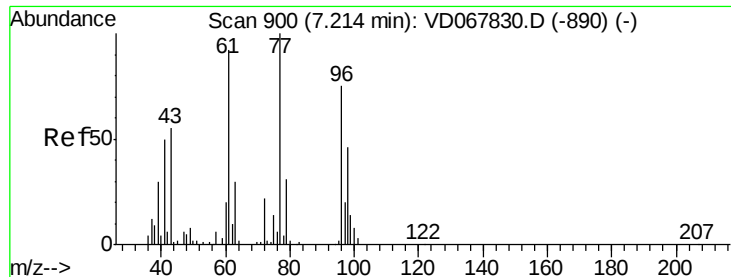
Ion Ratio Lower Upper

63 100

98 7.4 4.5 13.5

100 5.3 3.0 9.2





#25

2-Butanone

Concen: 95.776 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 43 Resp: 28479

Ion Ratio Lower Upper

43 100

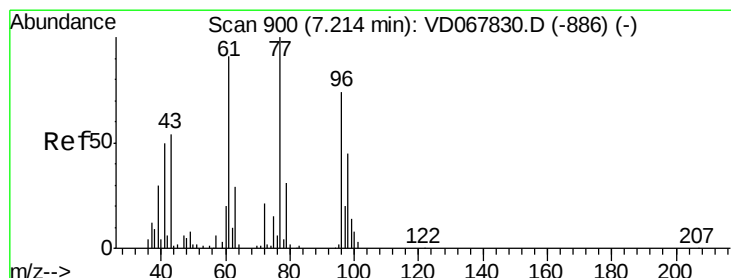
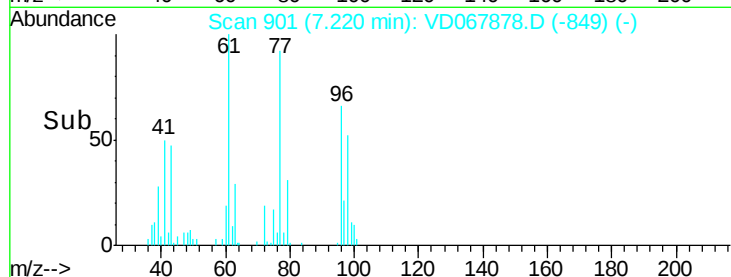
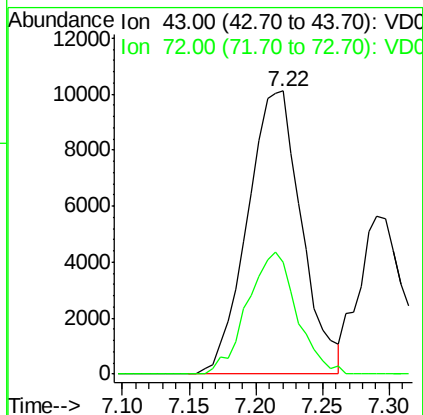
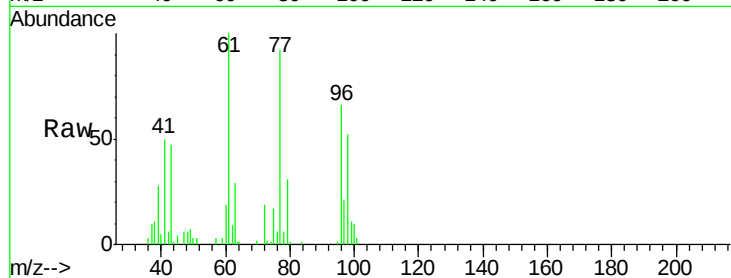
72 39.5 31.3 46.9

Manual Integrations

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MMDadoda

12/7/2020 11:30:47 AM



#26

2,2-Dichloropropane

Concen: 21.782 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067878.D

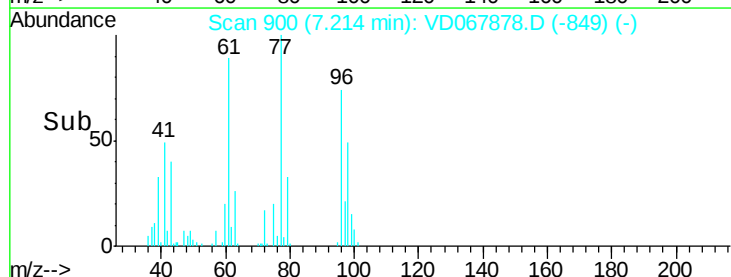
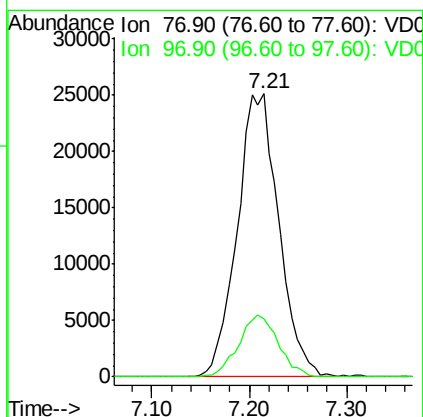
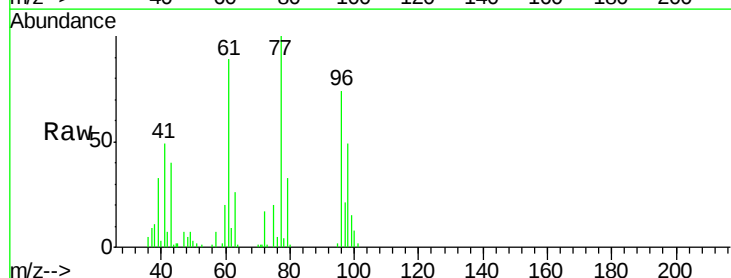
Acq: 04 Dec 2020 11:36

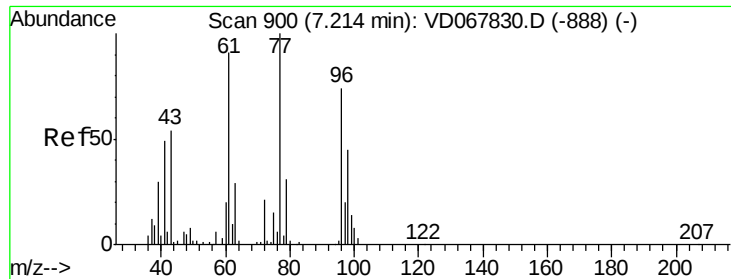
Tgt Ion: 77 Resp: 74814

Ion Ratio Lower Upper

77 100

97 20.9 11.1 33.1





#27

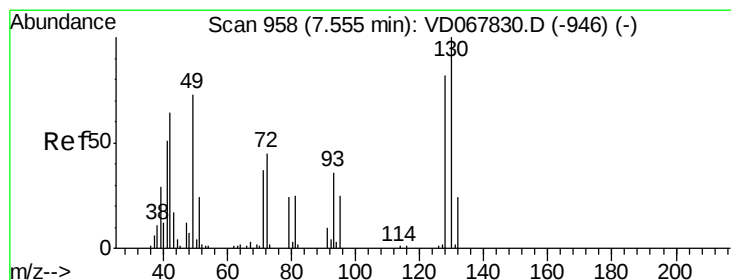
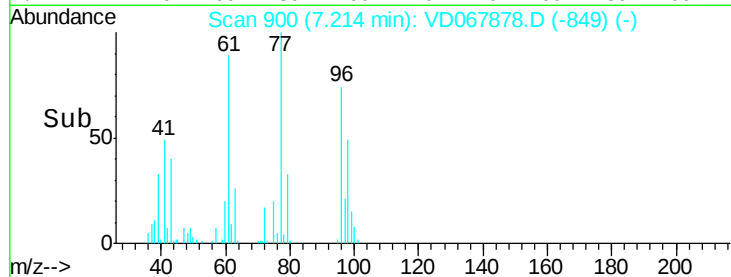
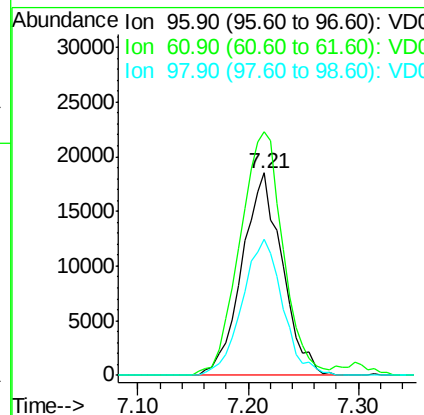
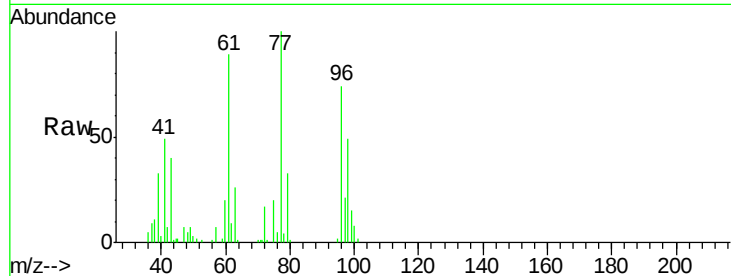
cis-1,2-Dichloroethene
 Concen: 21.485 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.6	0.0	248.4
98	67.5	0.0	127.4

Manual Integrations
 APPROVED

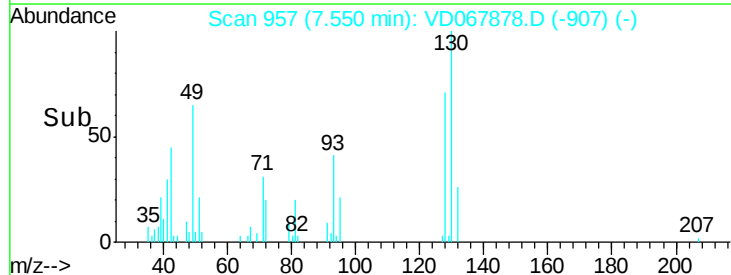
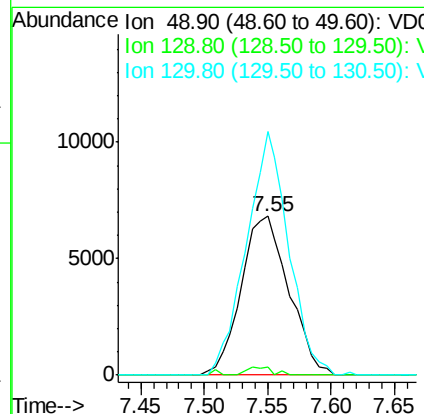
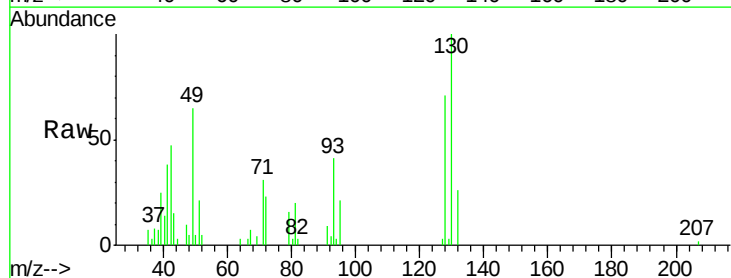
MMDadoda
 12/7/2020 11:30:47 AM

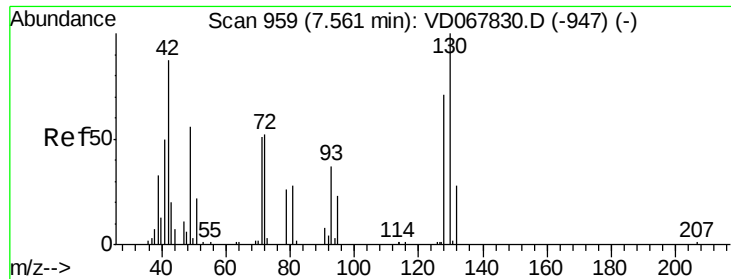


#28

Bromochloromethane
 Concen: 19.456 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	3.4
130	136.0	110.2	165.2





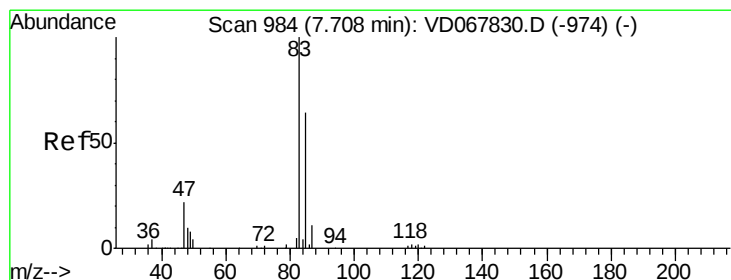
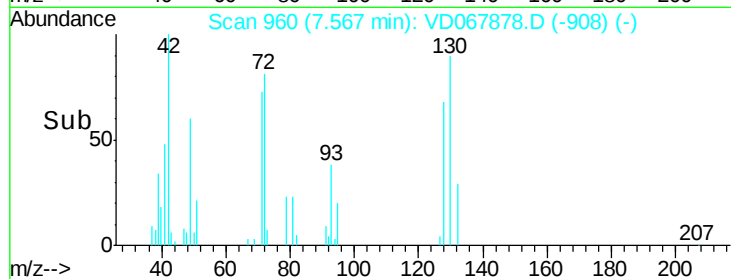
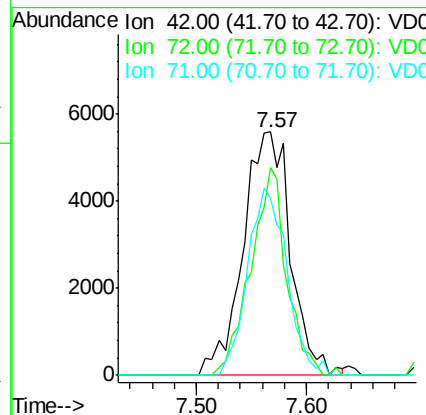
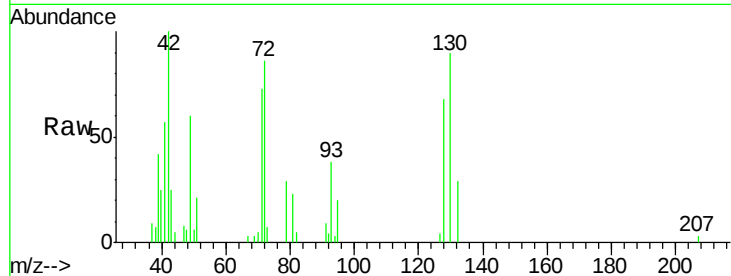
#29
Tetrahydrofuran
Concen: 99.347 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	64.4	51.9	77.9
71	64.0	48.2	72.4

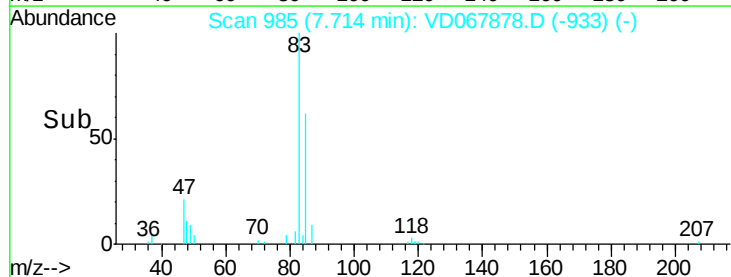
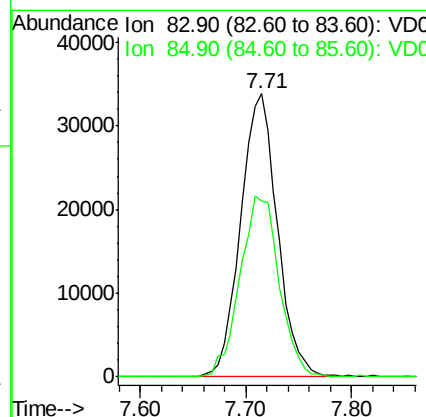
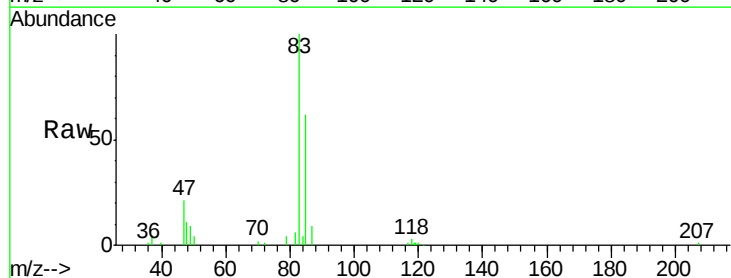
Manual Integrations
APPROVED

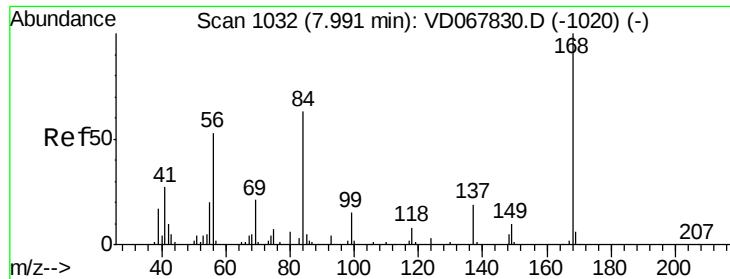
MMDadoda
12/7/2020 11:30:47 AM



#30
Chloroform
Concen: 21.199 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.0	76.4





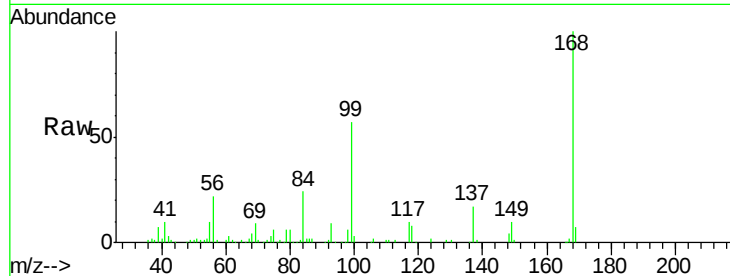
#31
Cyclohexane
Concen: 20.145 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	43.6	32.1	48.1
84	109.8	93.2	139.8

Manual Integrations
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12/7/2020 11:30:47 AM

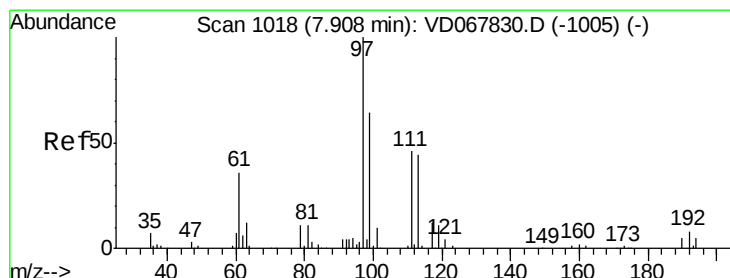
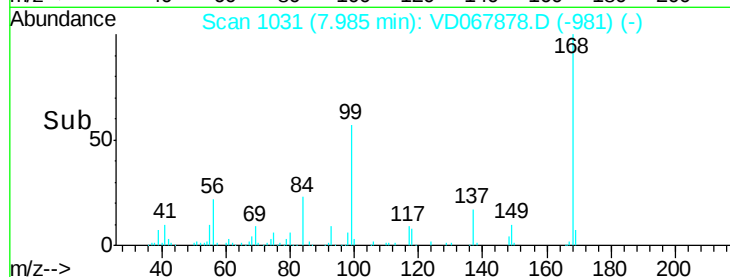
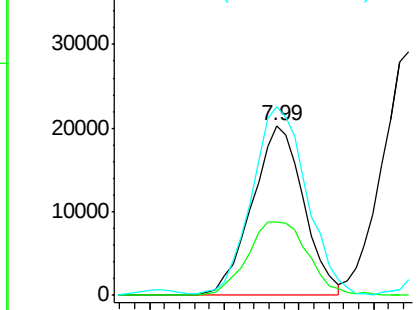


Abundance

Ion 56.00 (55.70 to 56.70): VDC

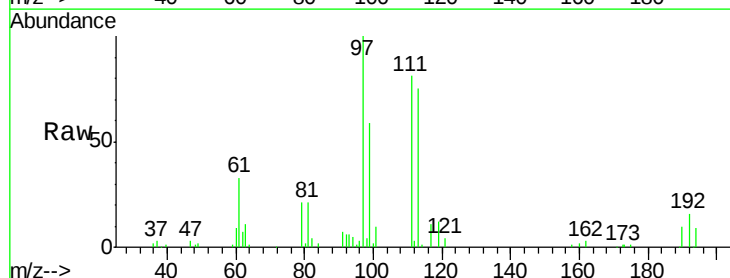
Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#32
1,1,1-Trichloroethane
Concen: 21.712 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.2
61	36.6	30.8	46.2

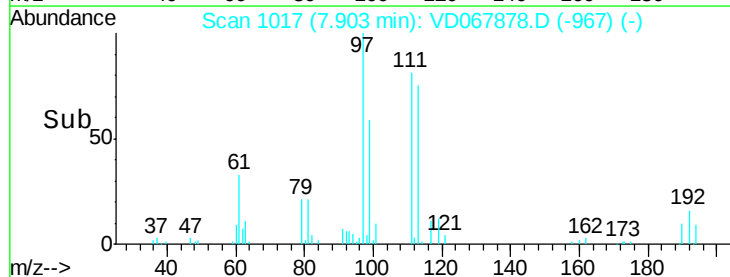
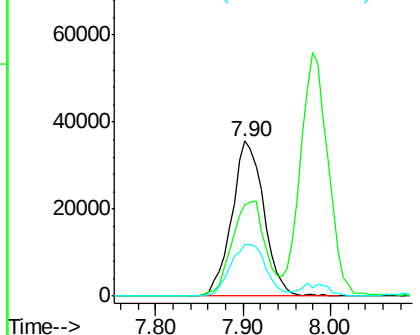


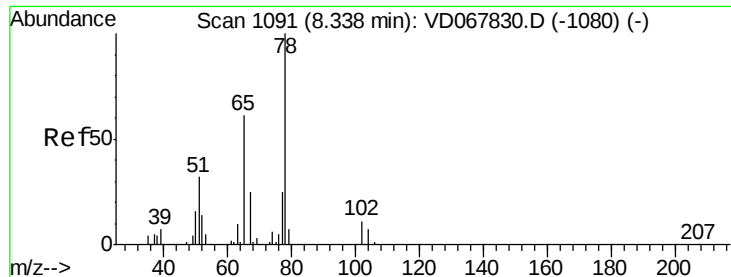
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 49.274 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 65 Resp: 112730

Ion Ratio Lower Upper

65 100

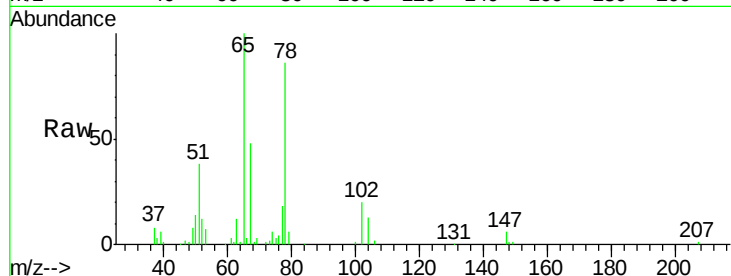
67 47.3 0.0 92.0

Manual Integrations

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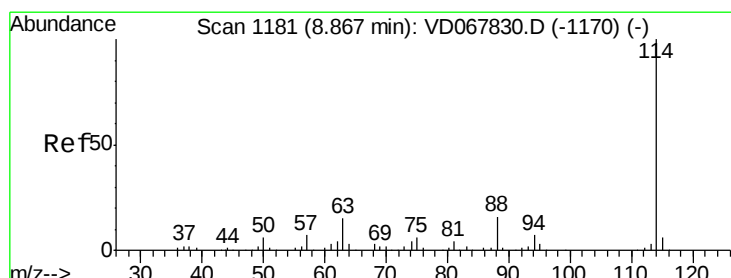
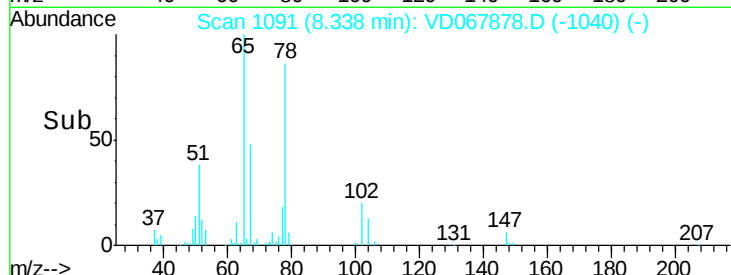
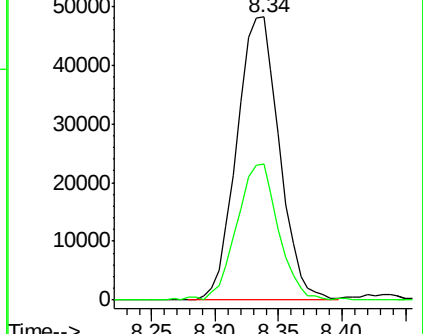
MMDadoda

12/7/2020 11:30:47 AM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

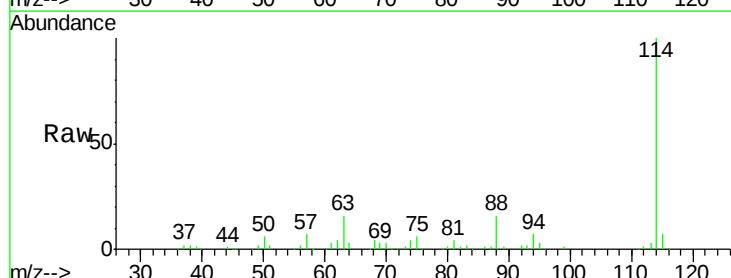
Tgt Ion: 114 Resp: 310503

Ion Ratio Lower Upper

114 100

63 16.1 0.0 30.8

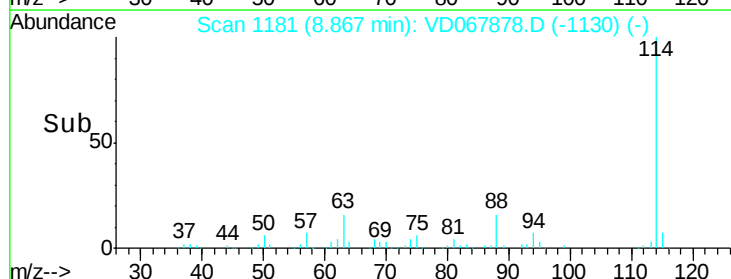
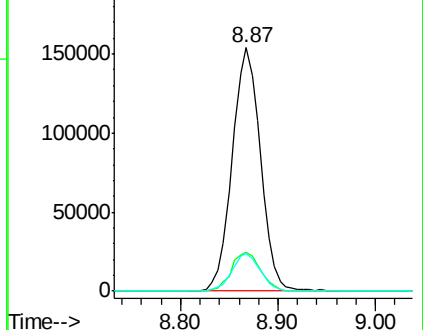
88 15.6 0.0 31.8

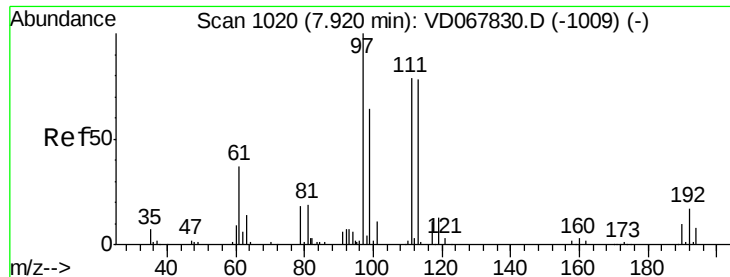


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





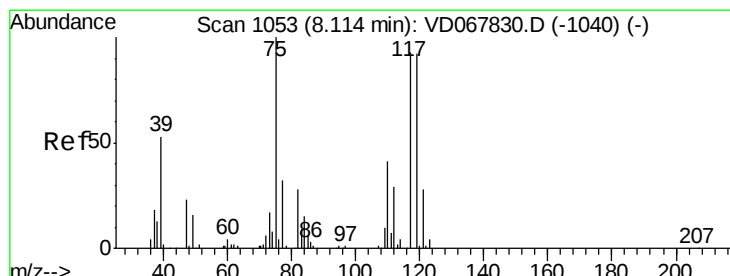
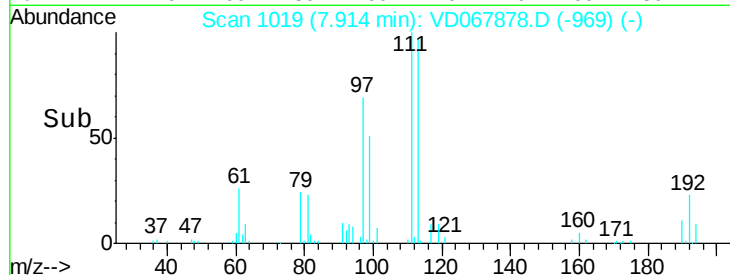
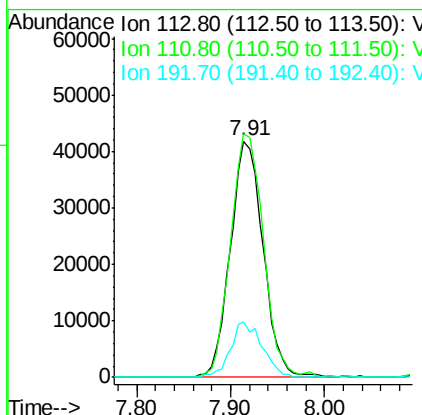
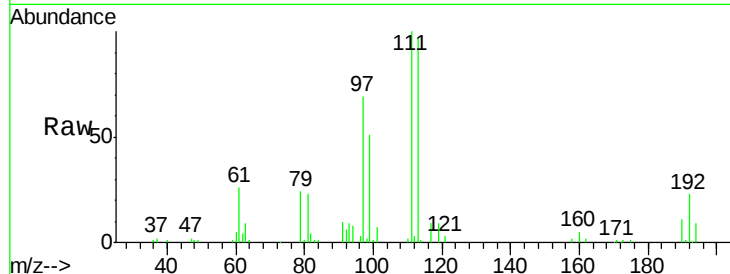
#35
Dibromofluoromethane
Concen: 48.798 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101388		
111	103.7	81.2	121.8	
192	22.5	16.8	25.2	

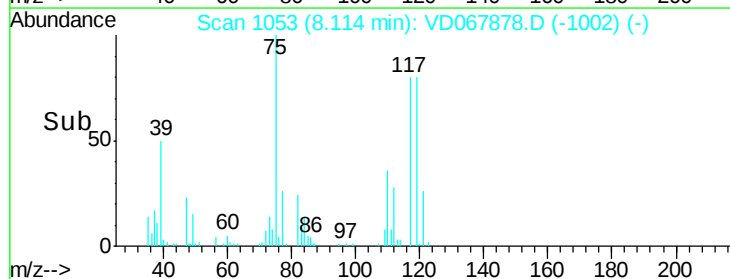
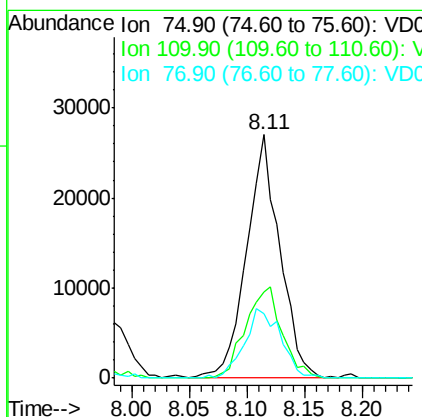
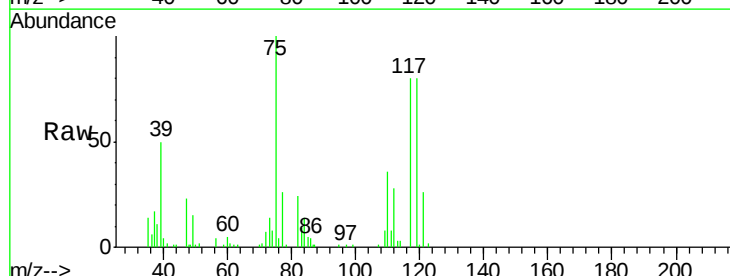
Manual Integrations
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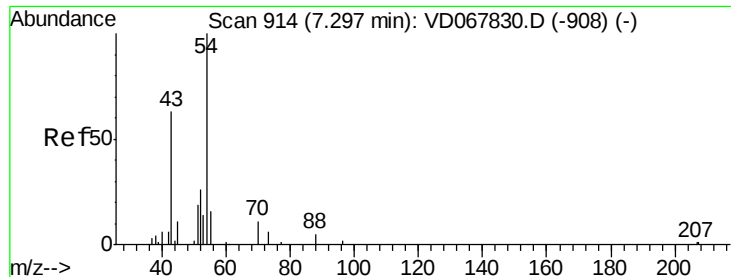
MMDadoda
12/7/2020 11:30:47 AM



#36
1,1-Dichloropropene
Concen: 20.165 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	54203		
110	41.0	20.3	61.0	
77	31.4	24.7	37.1	





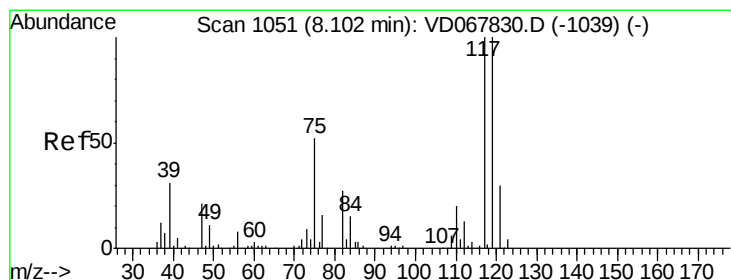
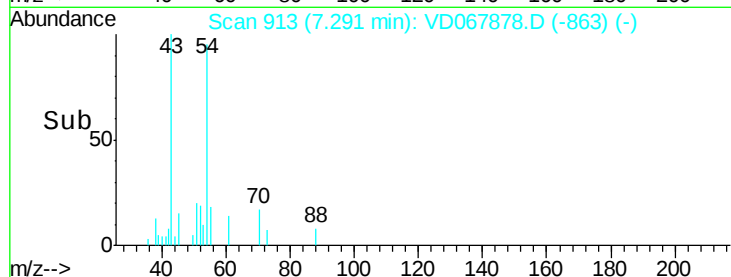
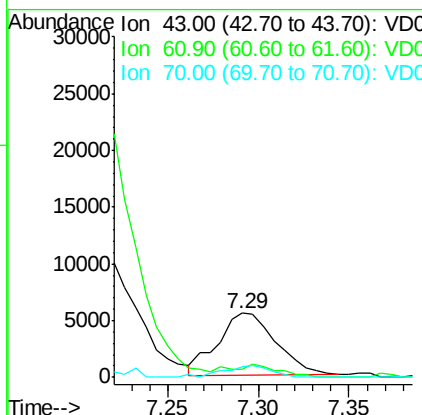
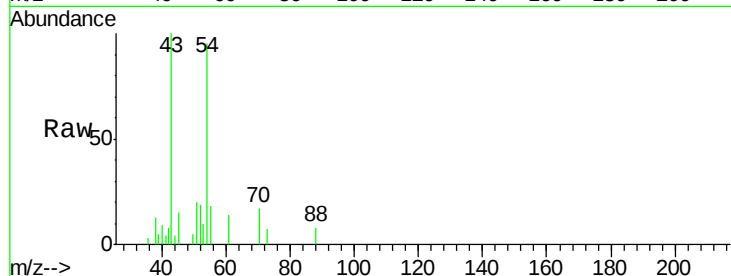
#37
Ethyl Acetate
Concen: 16.703 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	11.4	17.2#
70	15.5	11.5	17.3

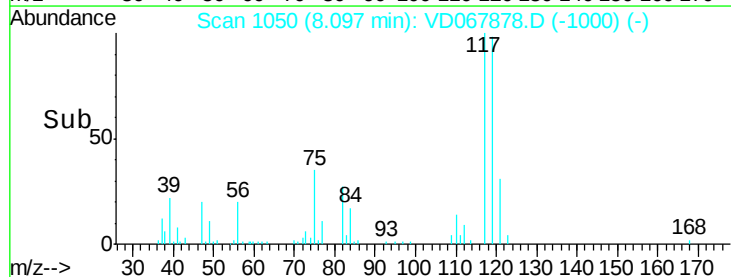
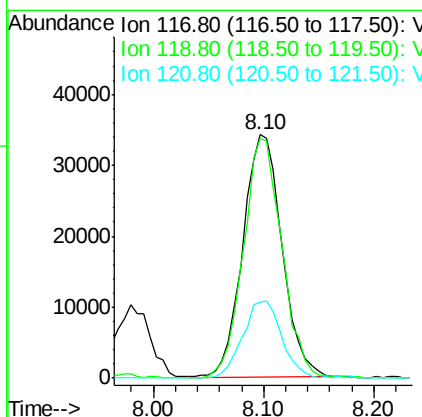
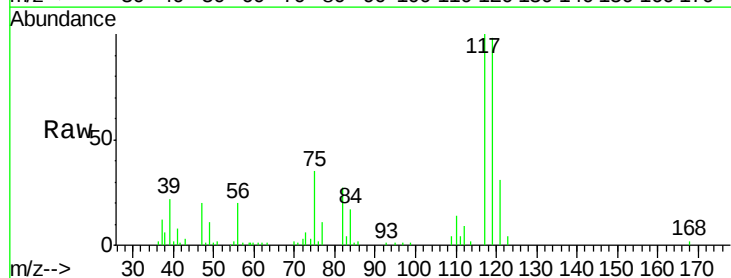
Manual Integrations
APPROVED

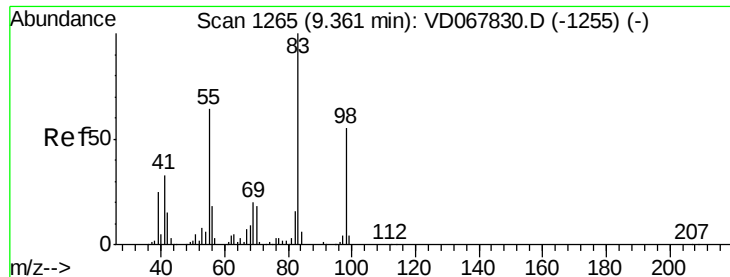
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.975 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.9	79.7	119.5
121	31.4	23.8	35.6





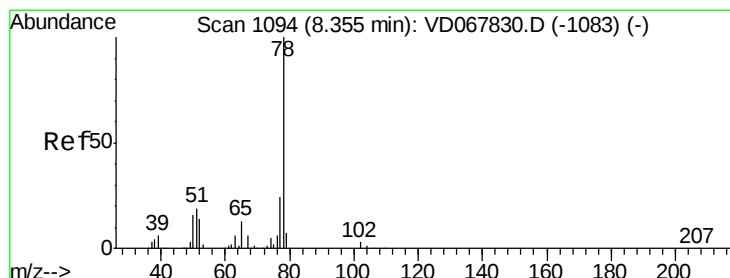
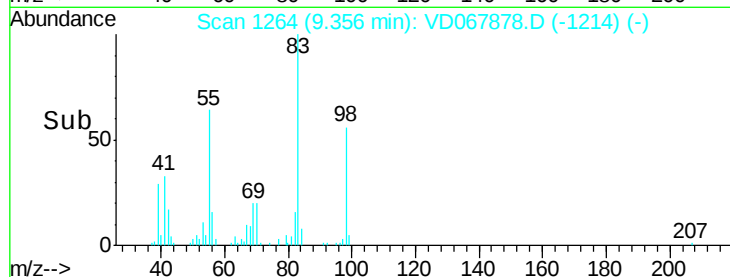
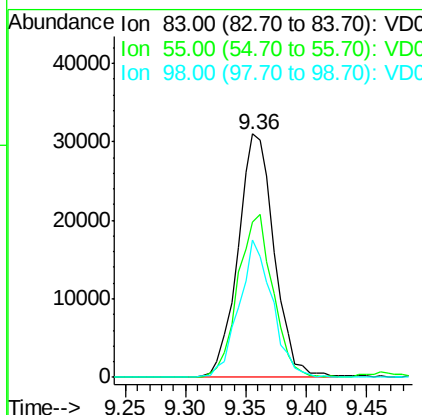
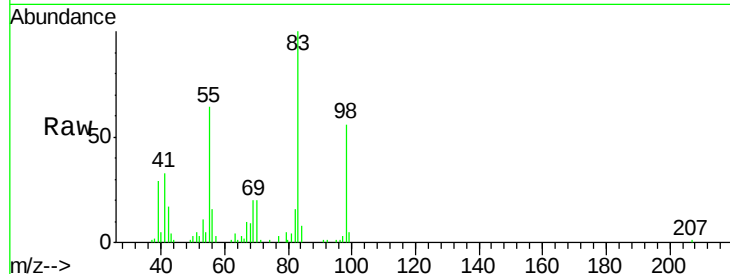
#39
Methvlcvclohexane
Concen: 20.352 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	63.6	51.6	77.4
98	56.3	44.3	66.5

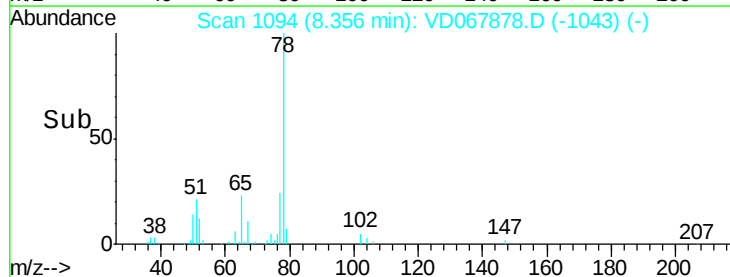
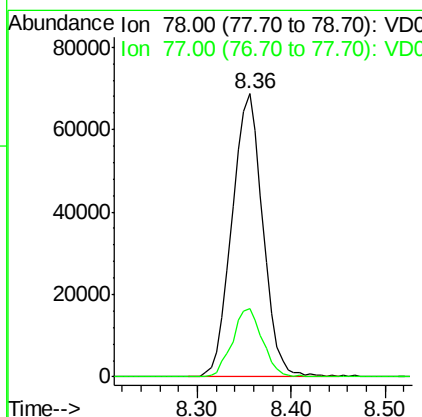
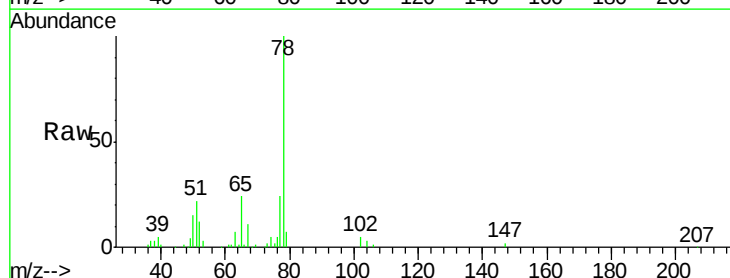
Manual Integrations
APPROVED

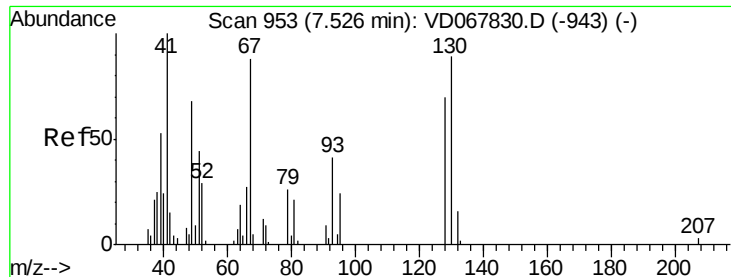
MMDadoda
12/7/2020 11:30:47 AM



#40
Benzene
Concen: 21.295 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.1	28.7





#41

Methacrylonitrile

Concen: 23.098 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 41 Resp: 8775

Ion Ratio Lower Upper

41 100

39 0.0 42.1 63.1#

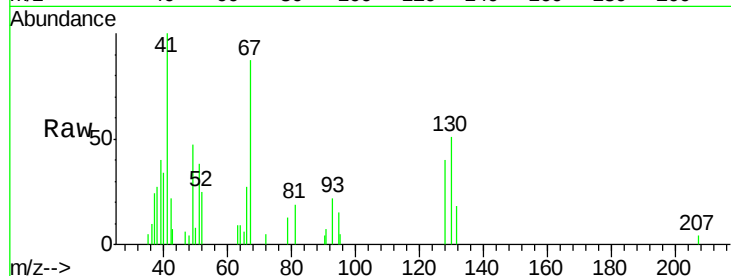
67 90.9 82.4 123.6

52 35.7 30.6 45.8

Manual Integrations
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MMDadoda

12/7/2020 11:30:47 AM

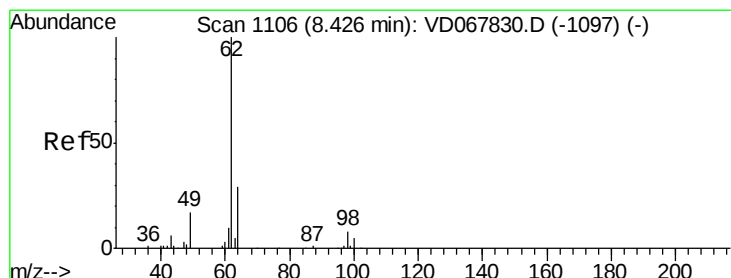
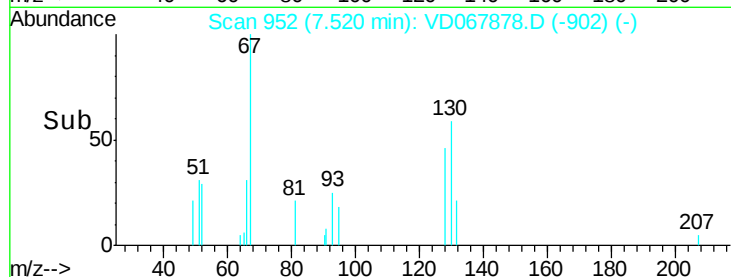
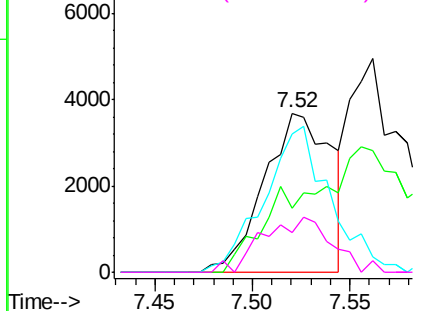


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.660 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067878.D

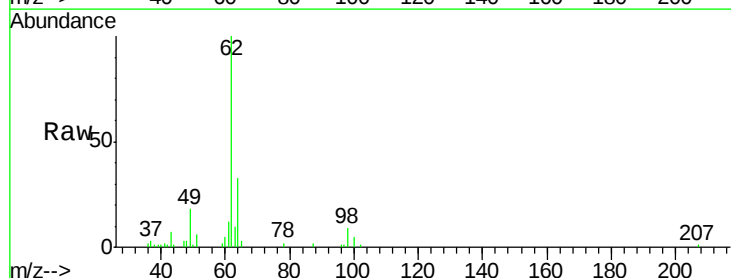
Acq: 04 Dec 2020 11:36

Tgt Ion: 62 Resp: 54157

Ion Ratio Lower Upper

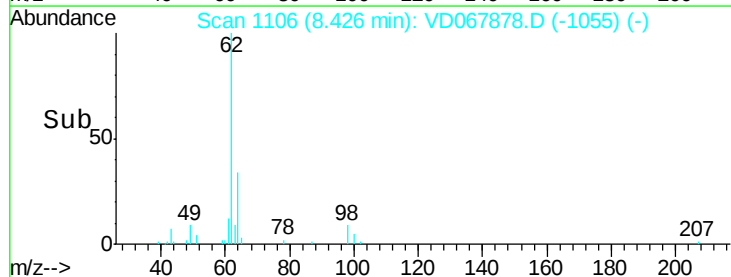
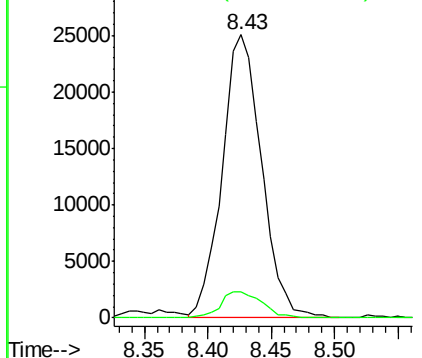
62 100

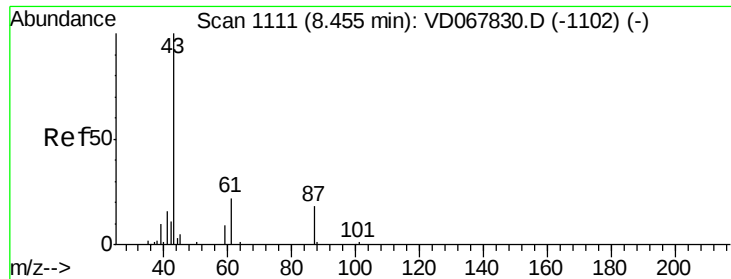
98 9.7 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

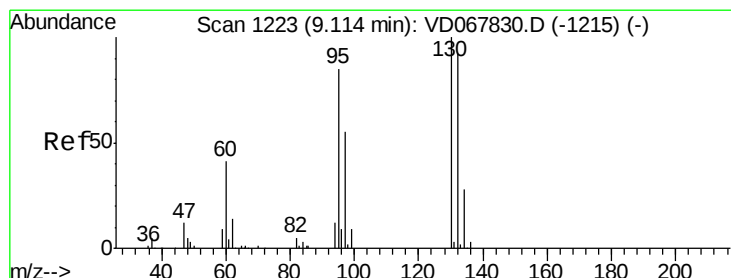
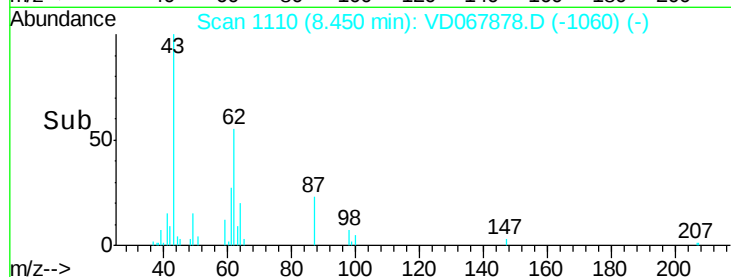
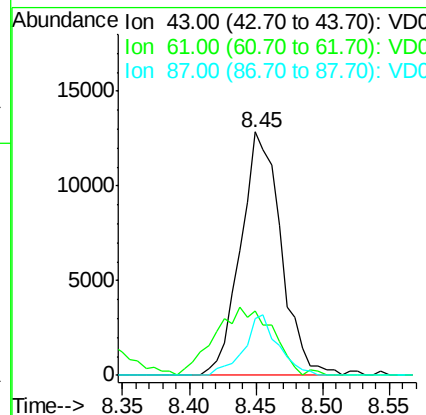
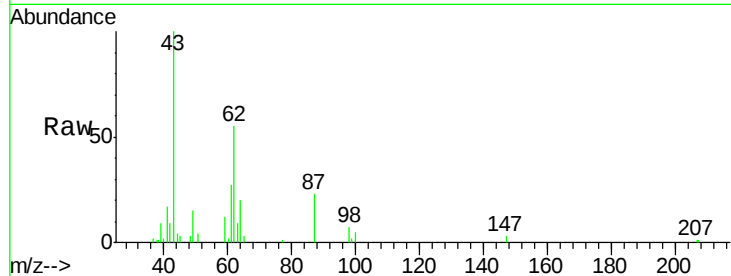
Isopropyl Acetate
 Concen: 18.939 ug/l
 RT: 8.45 min Scan# 1110
 Delta R.T. -0.01 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	39.9	30.4	45.6
87	20.7	16.2	24.2

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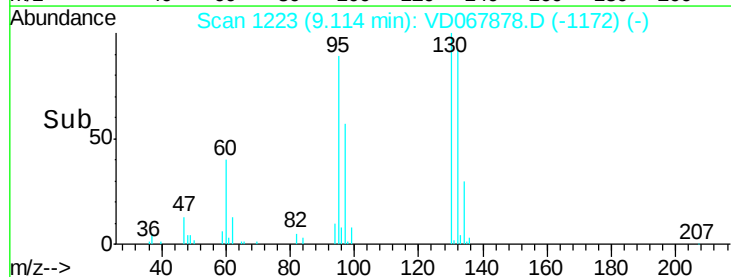
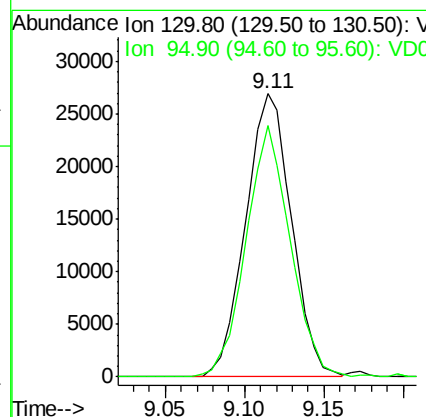
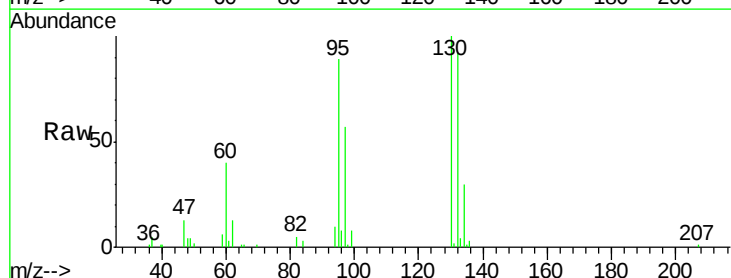
MMDadoda
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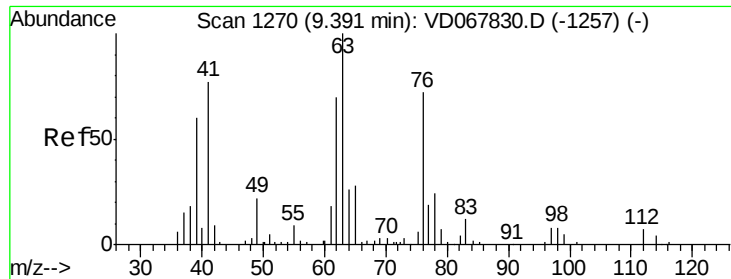


#44

Trichloroethene
 Concen: 21.389 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.9	0.0	170.2





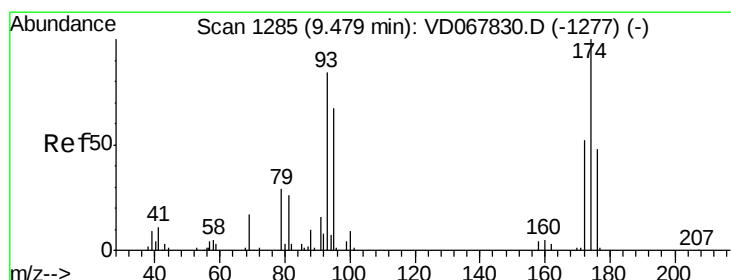
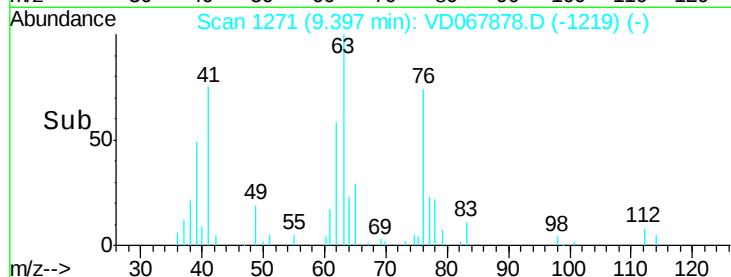
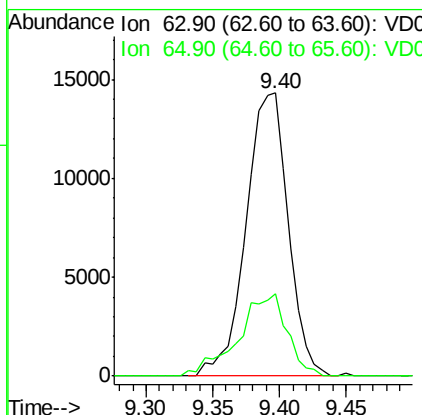
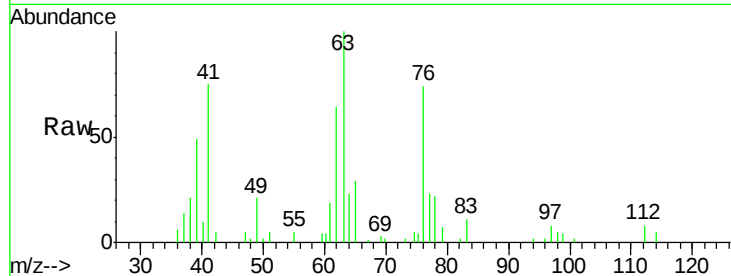
#45
 1,2-Dichloropropane
 Concen: 20.696 ug/l
 RT: 9.40 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion: 63 Resp: 31243
 Ion Ratio Lower Upper
 63 100
 65 28.9 22.8 34.2

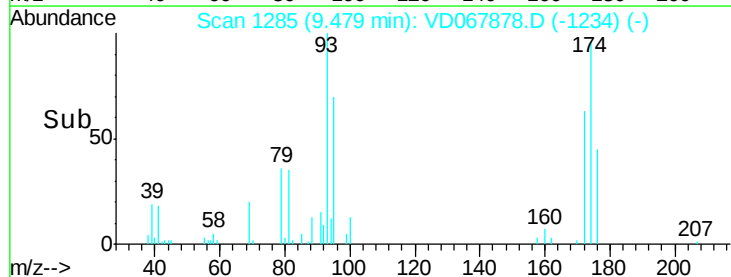
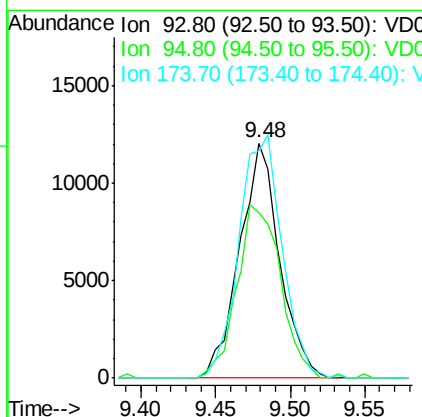
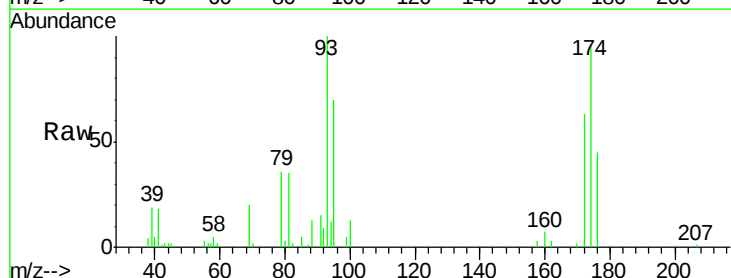
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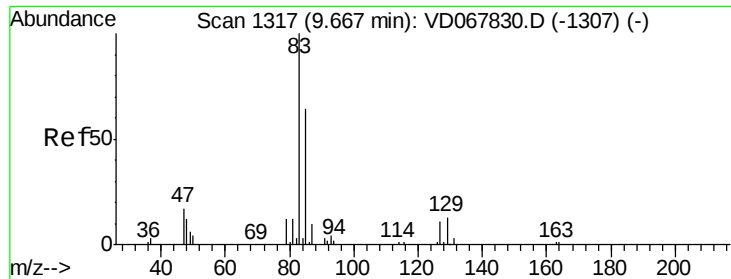
MMDadoda
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#46
 Dibromomethane
 Concen: 21.365 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Tgt Ion: 93 Resp: 22424
 Ion Ratio Lower Upper
 93 100
 95 80.0 64.2 96.4
 174 111.6 91.5 137.3





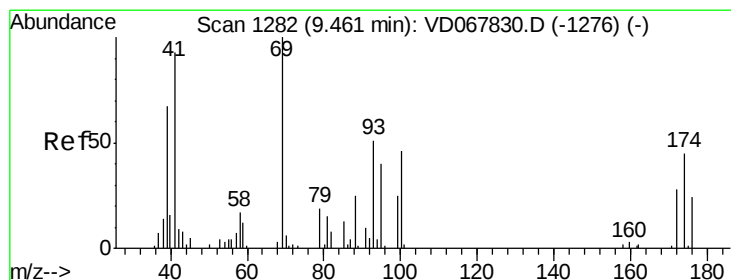
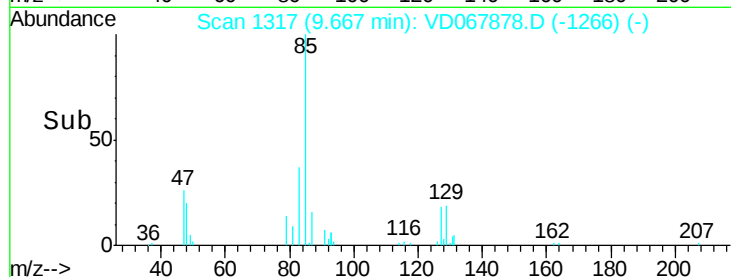
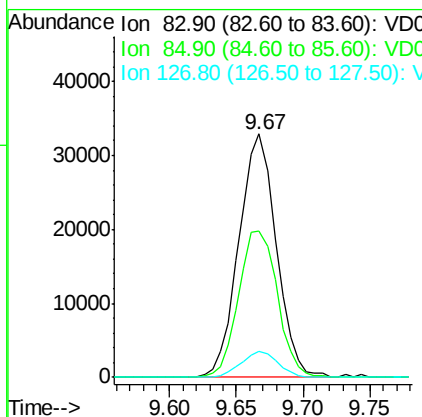
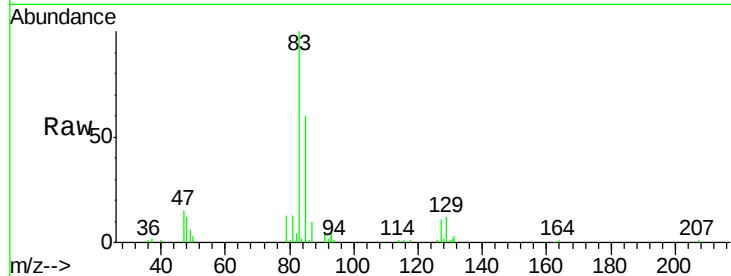
#47
Bromodichloromethane
Concen: 21.391 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	60.2	51.4	77.0
127	10.5	8.5	12.7

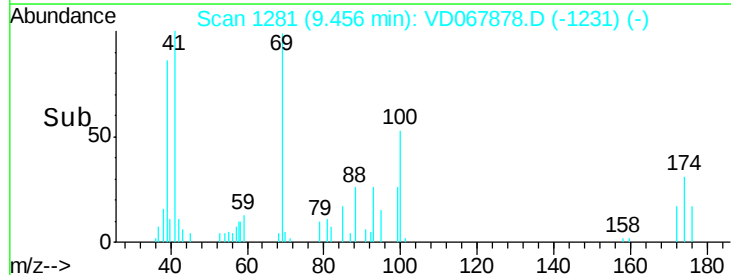
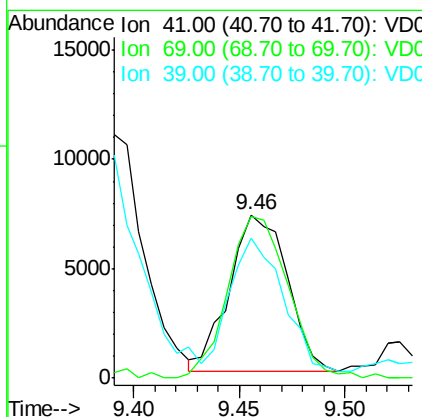
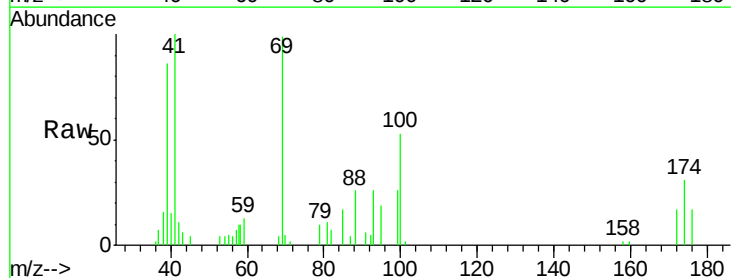
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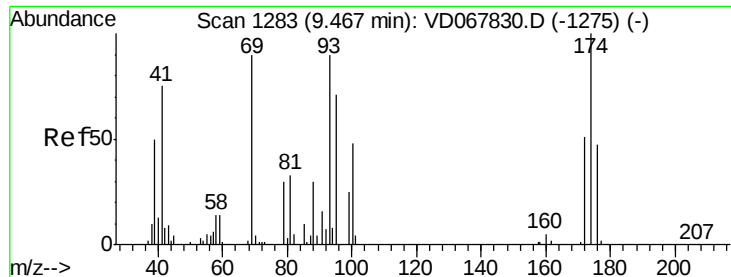
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12/7/2020 11:30:47 AM



#48
Methyl methacrylate
Concen: 18.697 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion	Ratio	Lower	Upper
41	100		
69	108.5	87.6	131.4
39	87.3	61.2	91.8





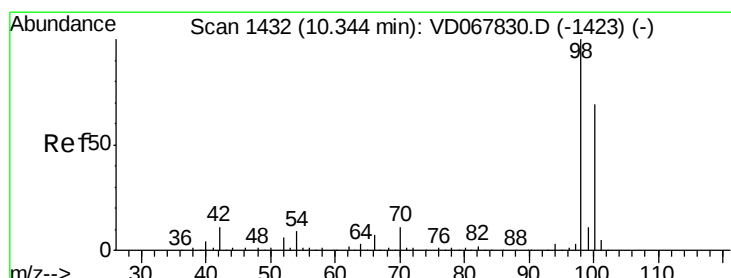
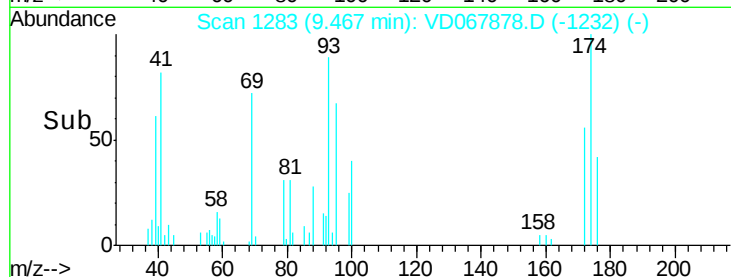
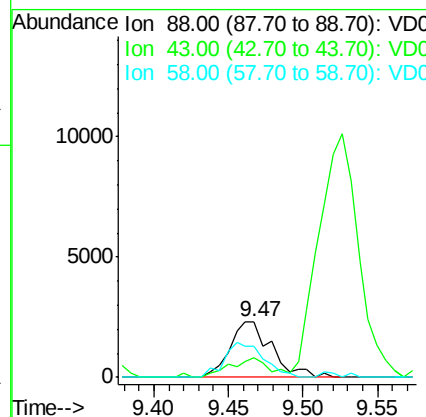
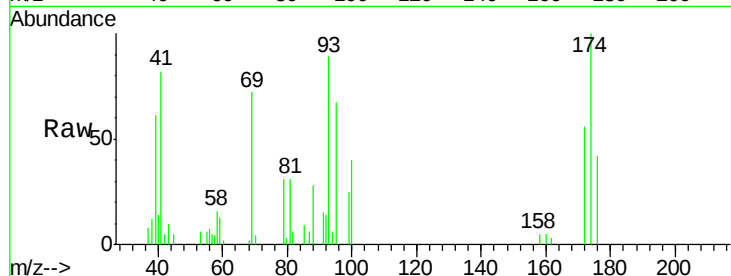
#49
1,4-Dioxane
Concen: 375.715 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	30.1	45.1
58	59.1	42.4	63.6

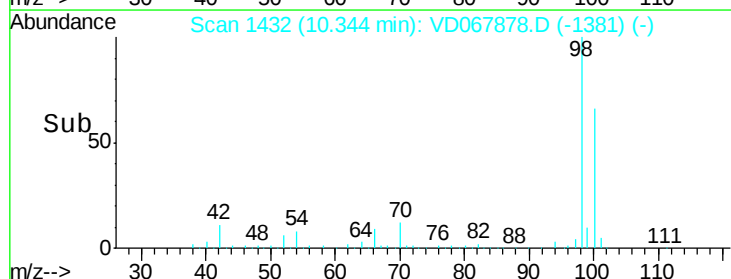
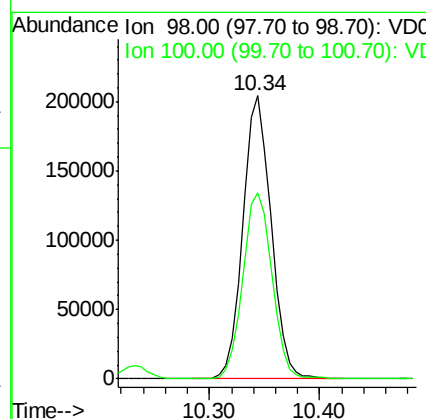
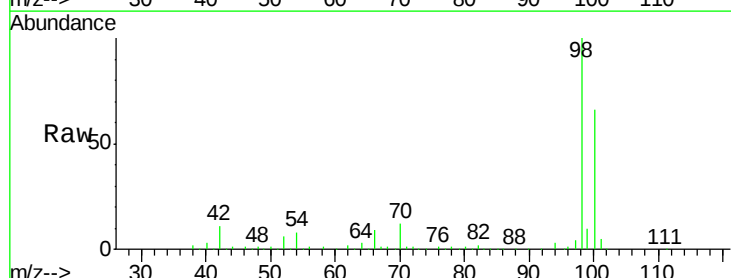
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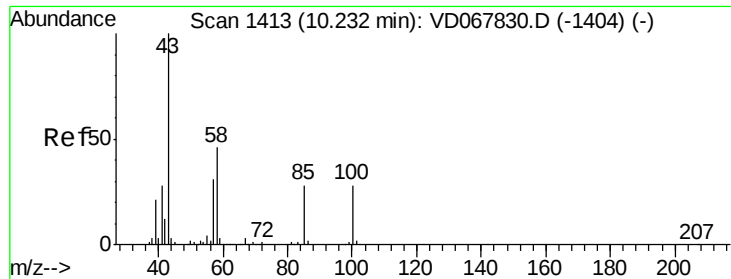
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#50
Toluene-d8
Concen: 49.249 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.2	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 97.547 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 43 Resp: 65810

Ion Ratio Lower Upper

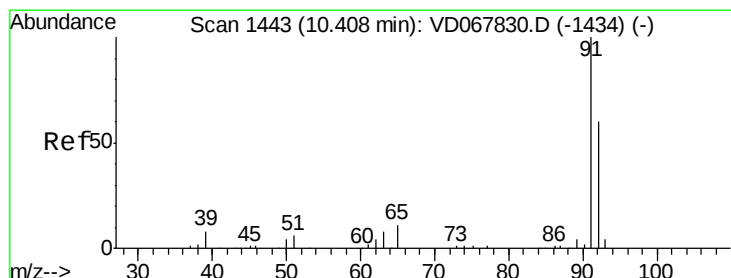
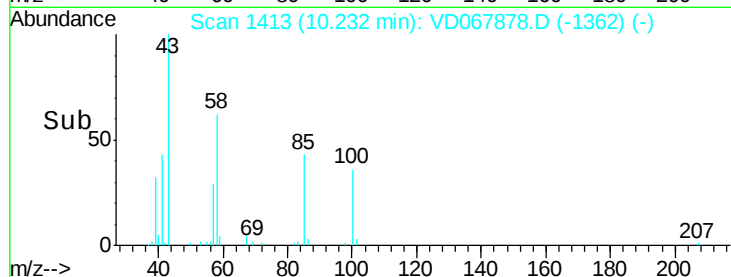
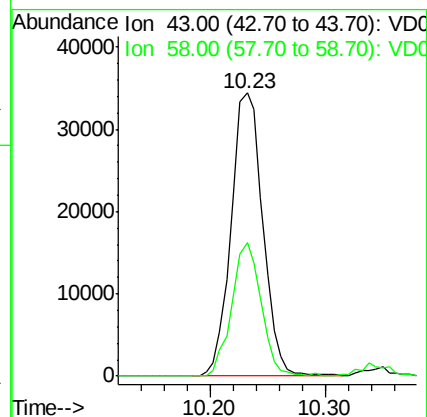
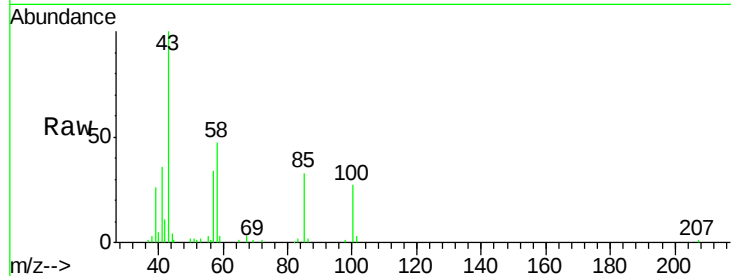
43 100

58 43.4 35.7 53.5

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#52

Toluene

Concen: 21.572 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067878.D

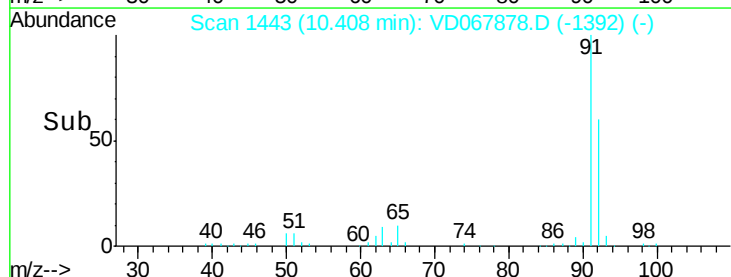
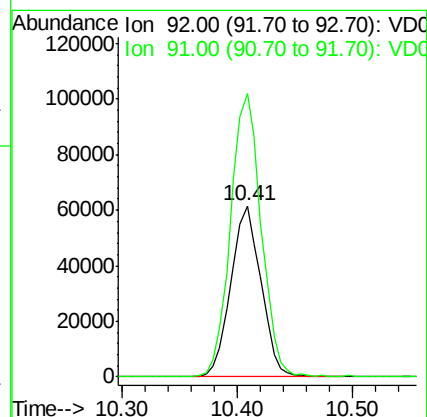
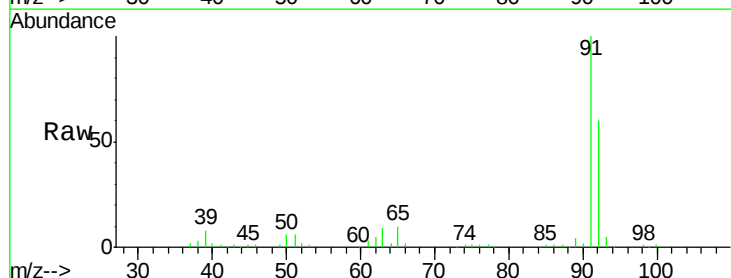
Acq: 04 Dec 2020 11:36

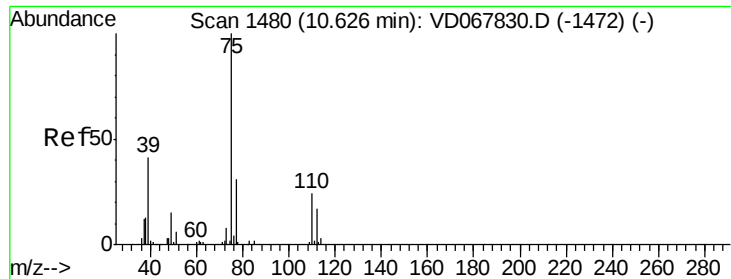
Tgt Ion: 92 Resp: 110932

Ion Ratio Lower Upper

92 100

91 168.6 134.2 201.2





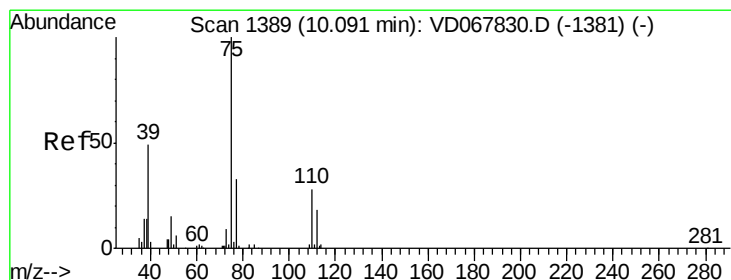
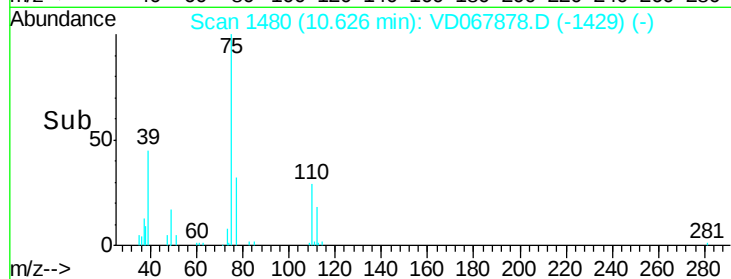
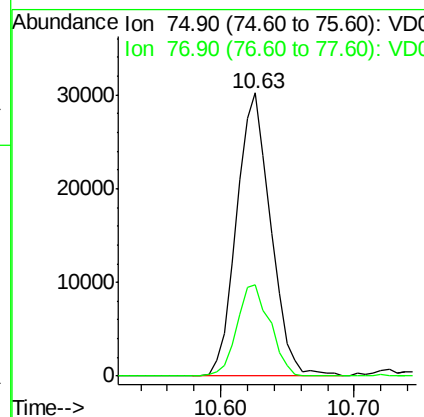
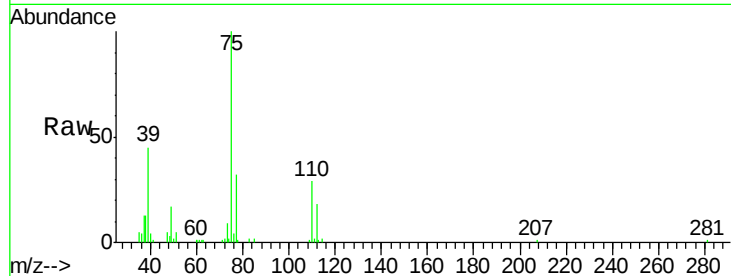
#53
t-1,3-Dichloropropene
Concen: 20.744 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.0	37.4

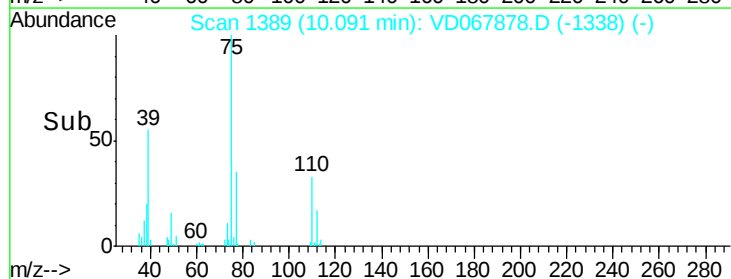
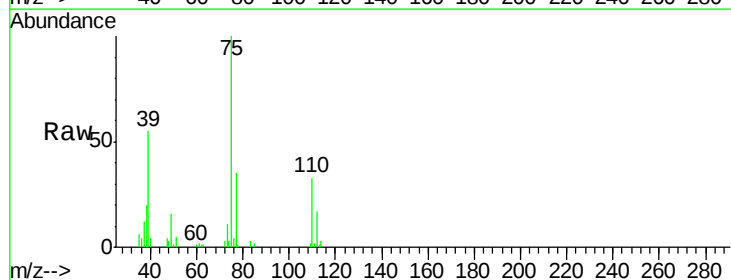
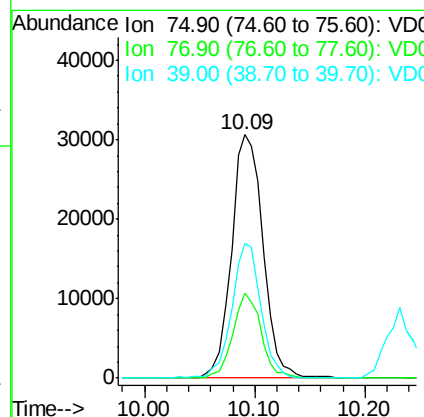
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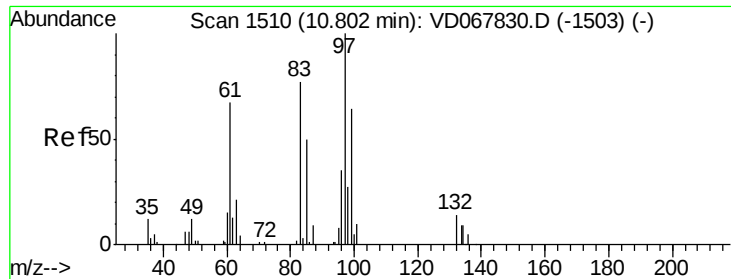
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#54
cis-1,3-Dichloropropene
Concen: 21.777 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	35.1	26.2	39.2
39	55.2	39.0	58.4





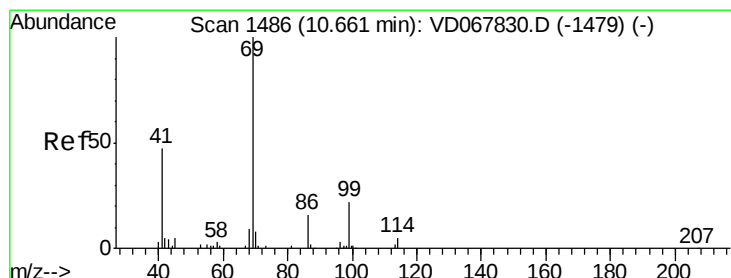
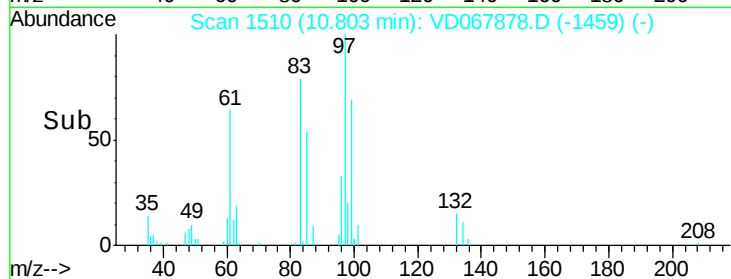
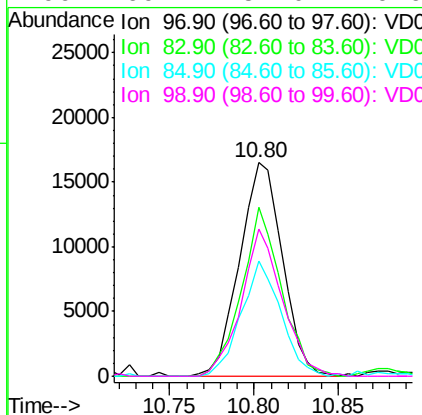
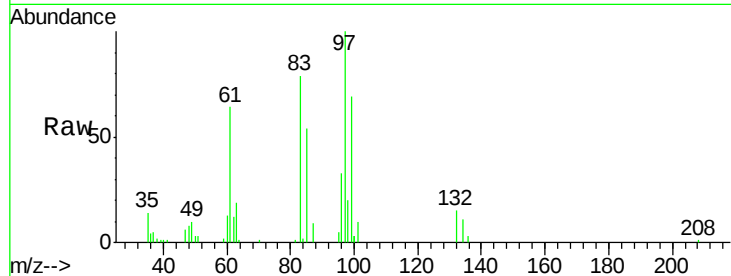
#55
 1,1,2-Trichloroethane
 Concen: 20.353 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		29235		
83	78.9	61.9	92.9		
85	53.9	40.2	60.4		
99	69.2	51.0	76.6		

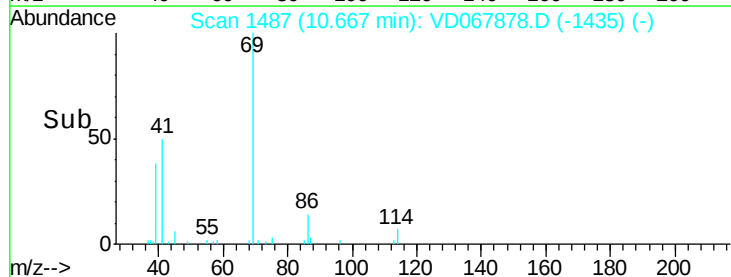
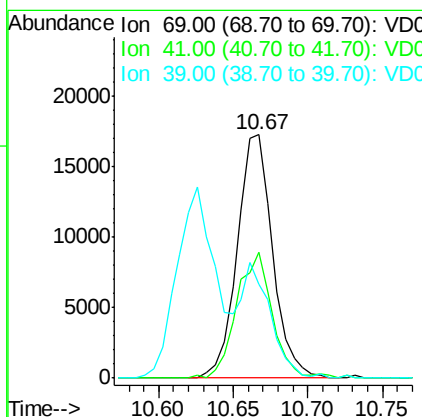
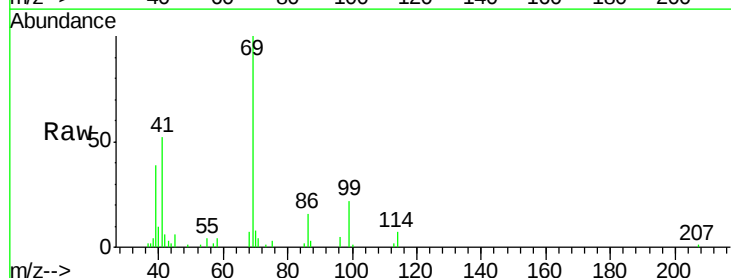
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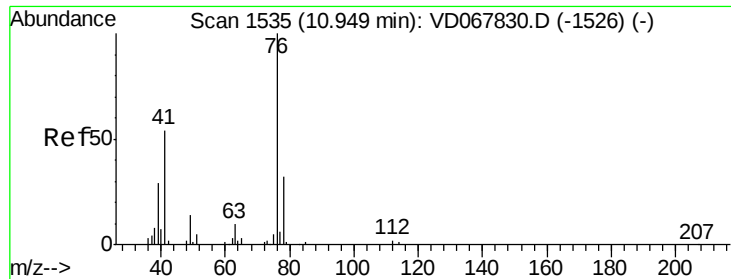
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#56
 Ethyl methacrylate
 Concen: 19.426 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		28390		
41	52.3	42.8	64.2		
39	39.2	30.5	45.7		





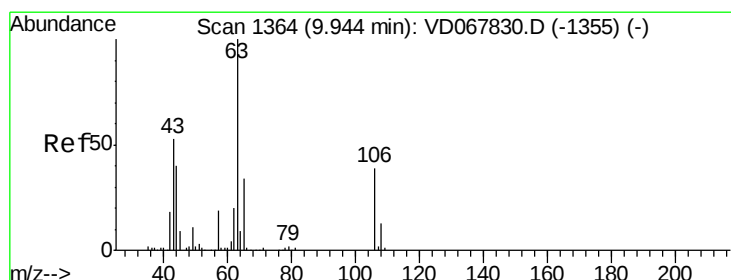
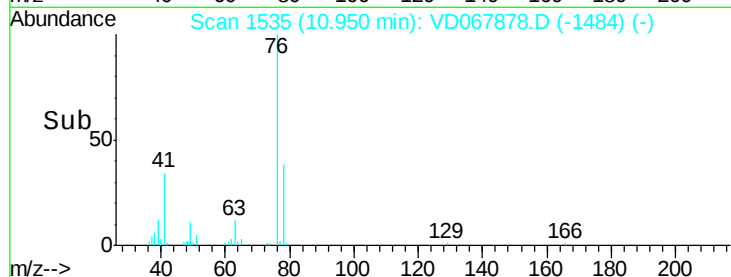
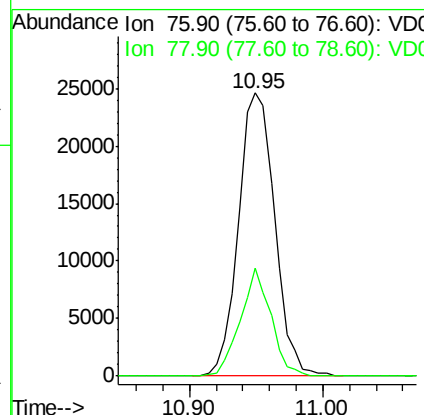
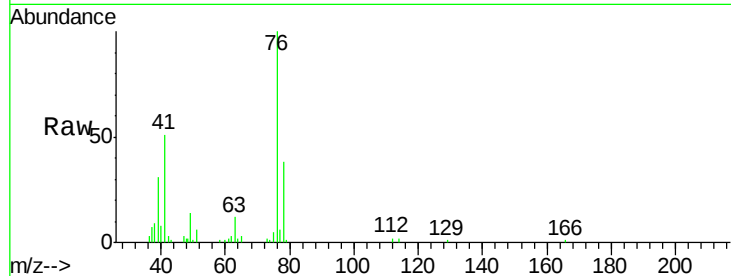
#57
 1,3-Dichloropropane
 Concen: 20.306 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion: 76 Resp: 46202
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.6 39.8

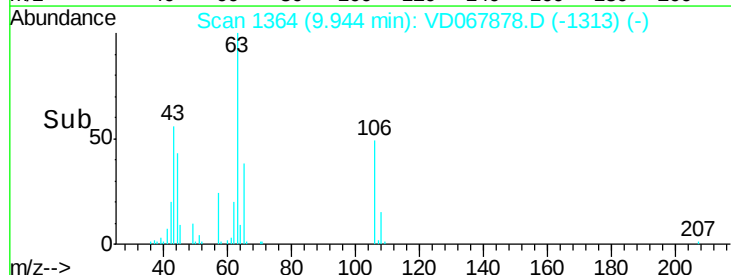
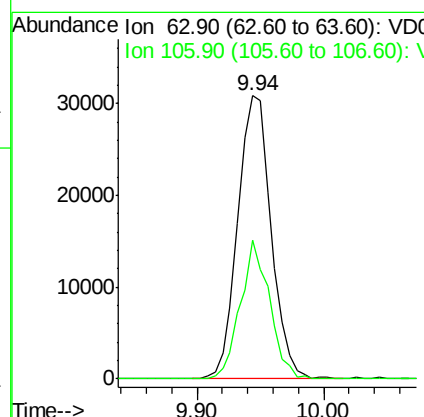
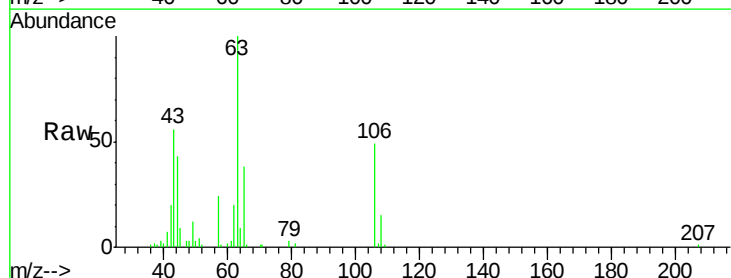
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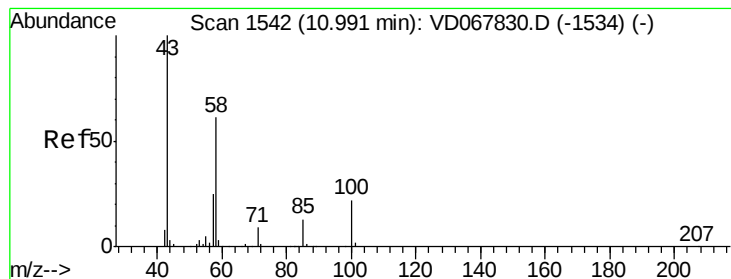
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 12/7/2020 11:30:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 84.452 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Tgt Ion: 63 Resp: 56161
 Ion Ratio Lower Upper
 63 100
 106 42.9 32.0 48.0





#59

2-Hexanone

Concen: 94.783 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. -0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 43 Resp: 45078

Ion Ratio Lower Upper

43 100

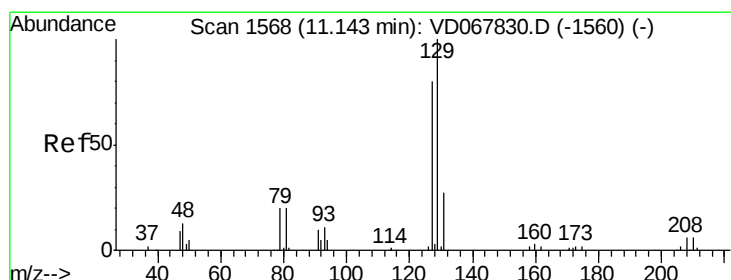
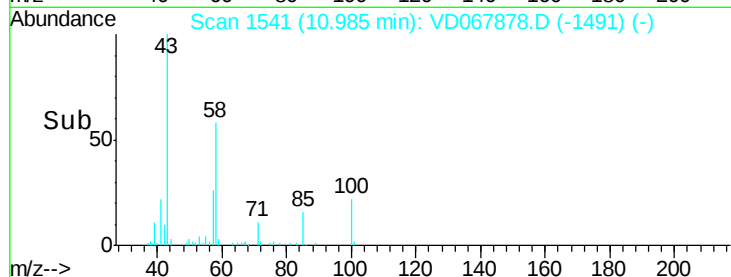
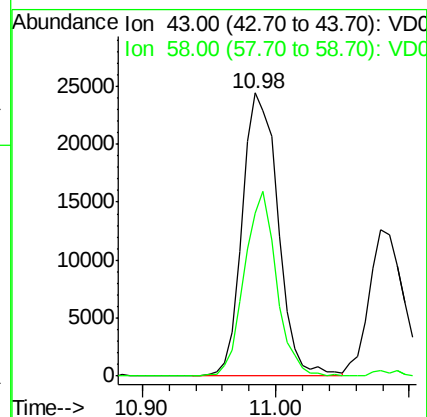
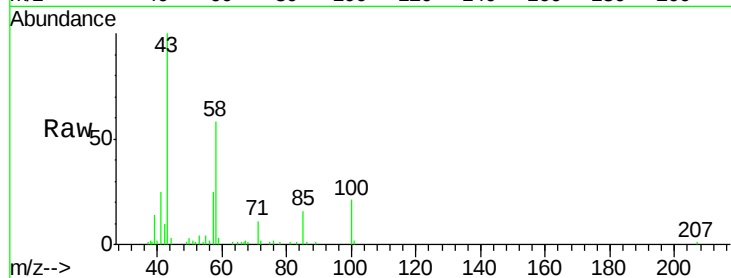
58 58.7 29.9 89.7

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12/7/2020 11:30:47 AM



#60

Dibromochloromethane

Concen: 21.577 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD067878.D

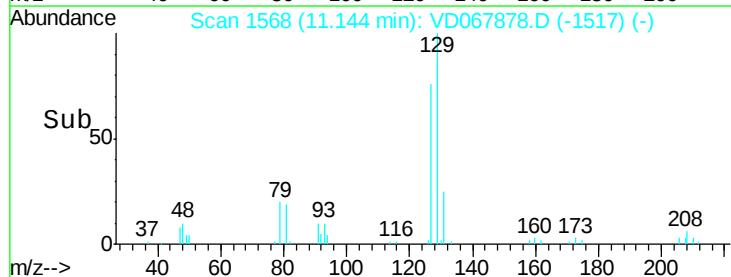
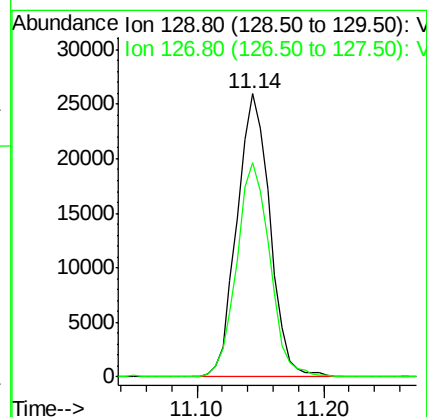
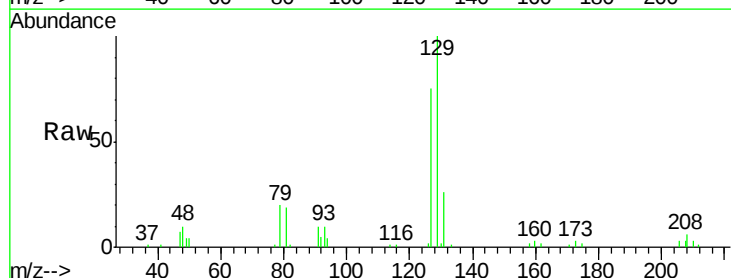
Acq: 04 Dec 2020 11:36

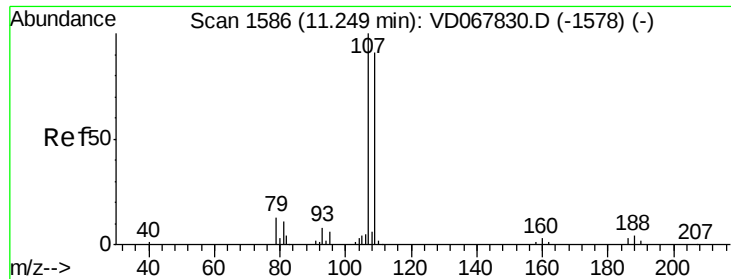
Tgt Ion: 129 Resp: 46720

Ion Ratio Lower Upper

129 100

127 76.2 39.2 117.6





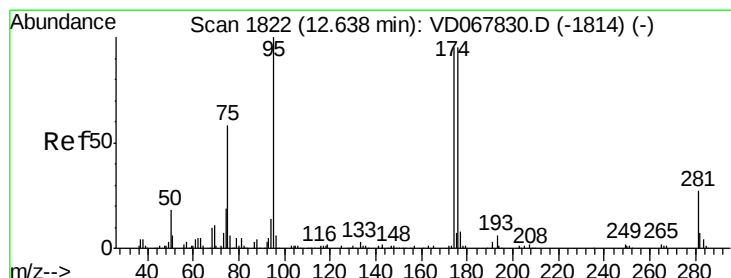
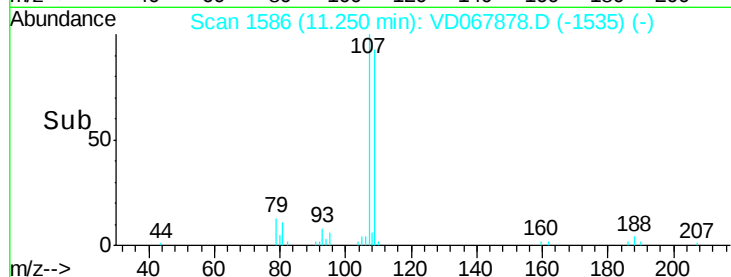
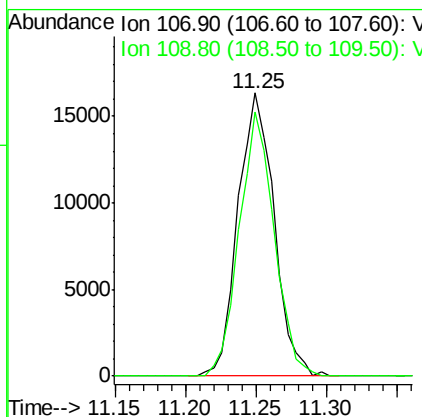
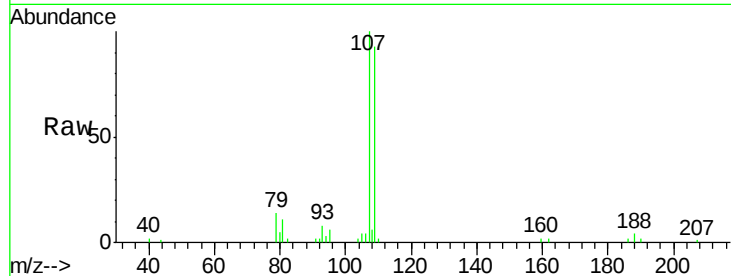
#61
 1,2-Dibromoethane
 Concen: 20.740 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.1	75.9	113.9

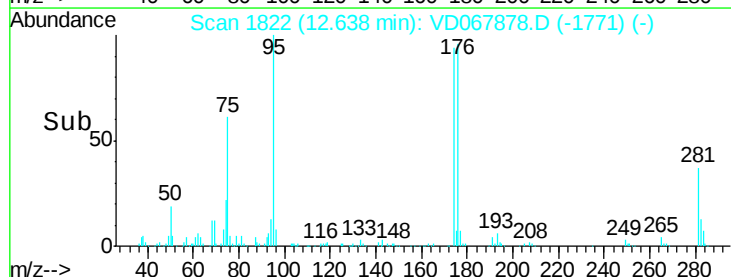
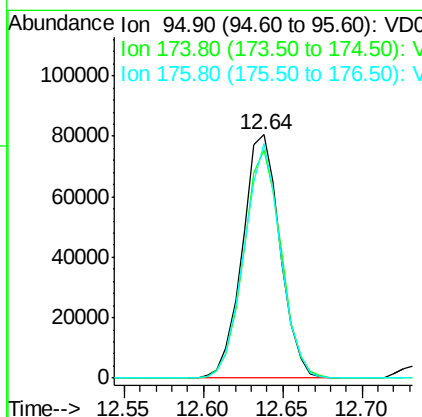
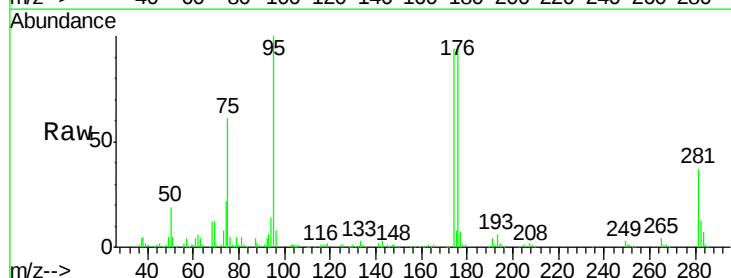
Manual Integrations
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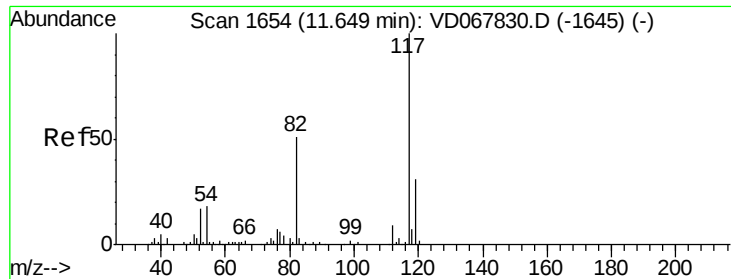
MMDadoda
 12/7/2020 11:30:47 AM



#62
 4-Bromofluorobenzene
 Concen: 51.235 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.0	0.0	186.0
176	93.2	0.0	184.2





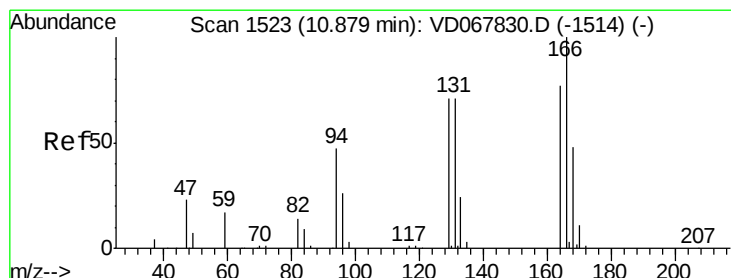
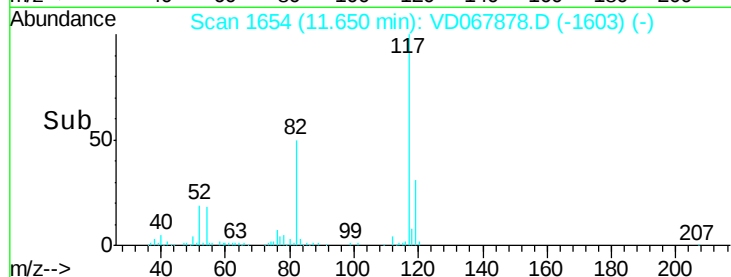
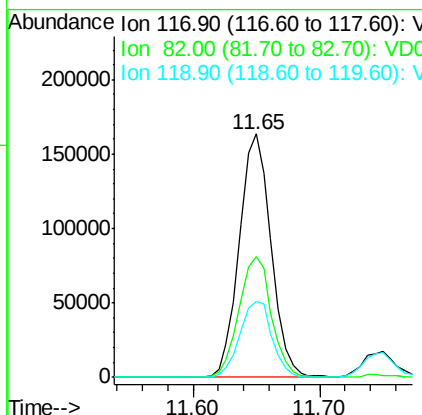
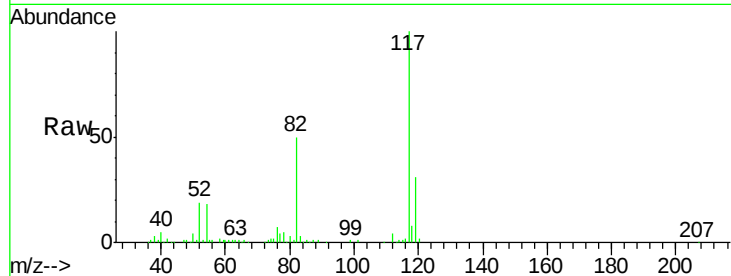
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	284551		
82	49.5		40.6	60.8
119	31.2		25.1	37.7

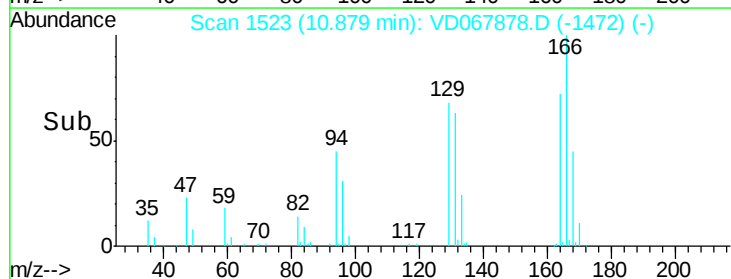
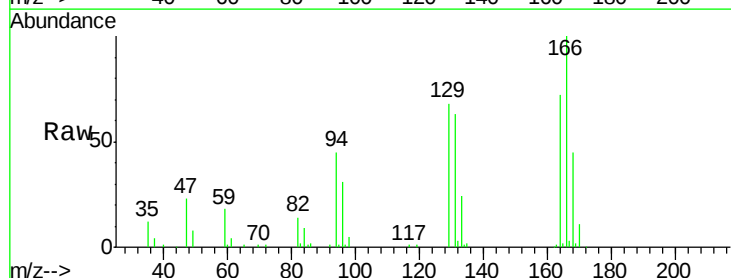
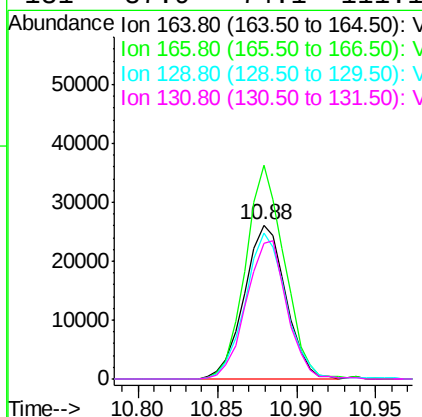
Manual Integrations
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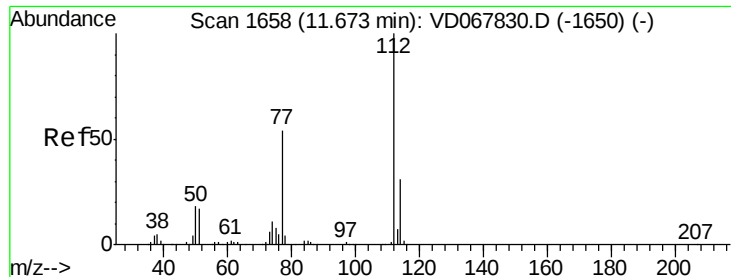
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#64
Tetrachloroethene
Concen: 20.546 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	47687		
166	138.7		103.8	155.6
129	94.8		73.3	109.9
131	87.9		74.1	111.1





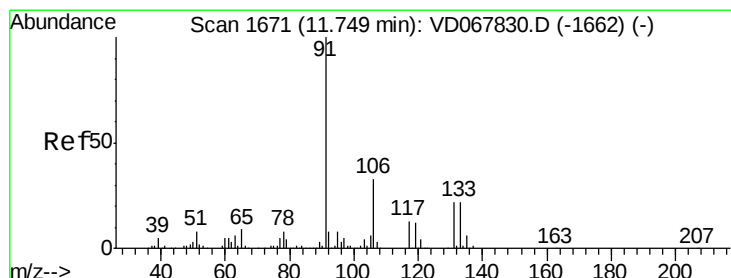
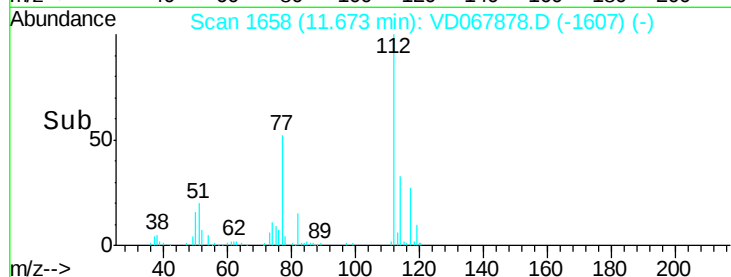
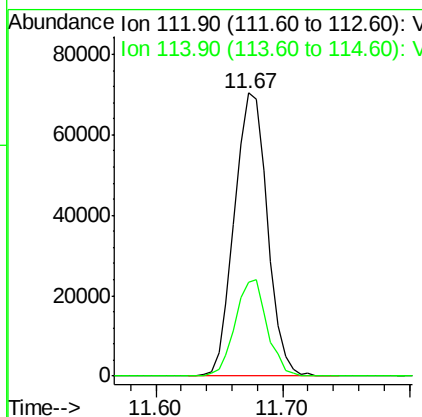
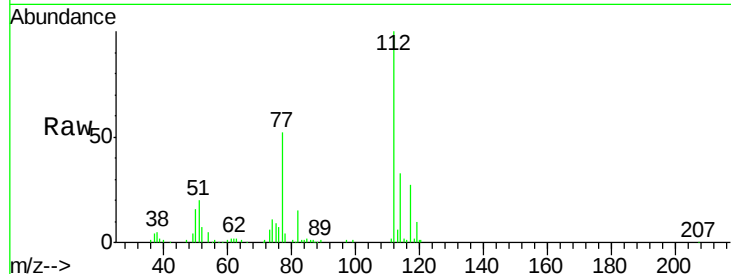
#65
Chlorobenzene
Concen: 21.662 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.4	25.0	37.4

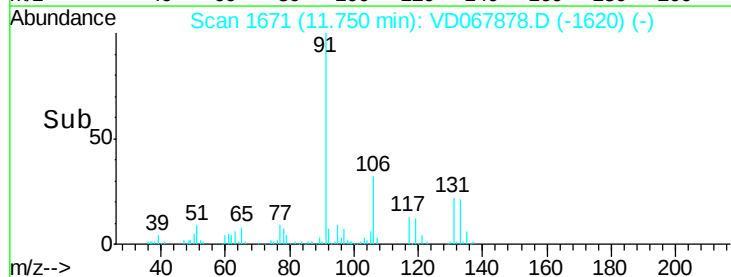
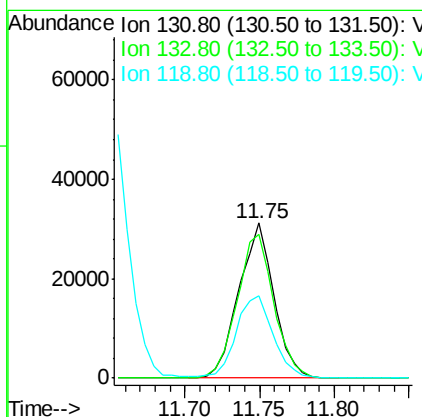
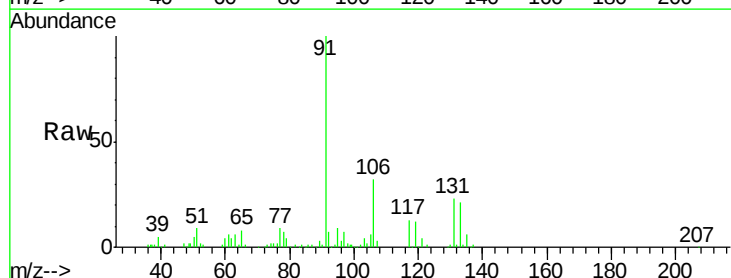
Manual Integrations
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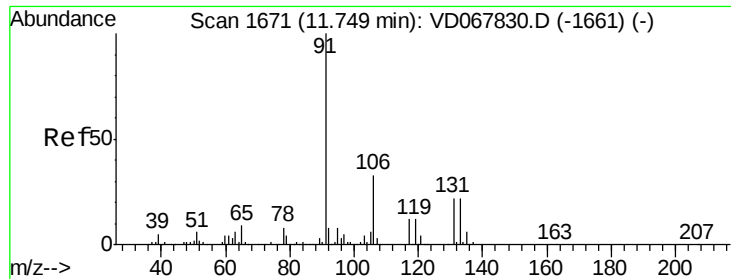
MMDadoda
12/7/2020 11:30:47 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.184 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.3	49.9	149.7
119	56.2	29.6	88.9





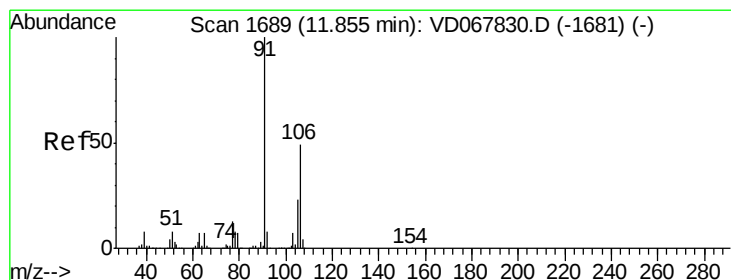
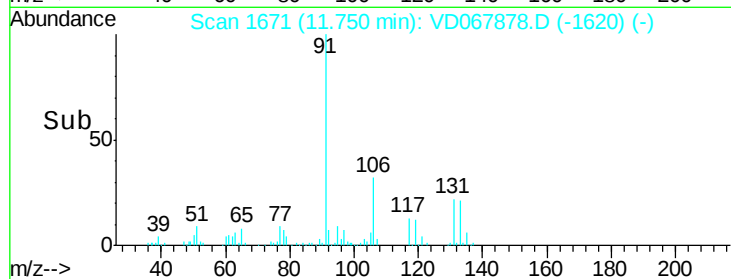
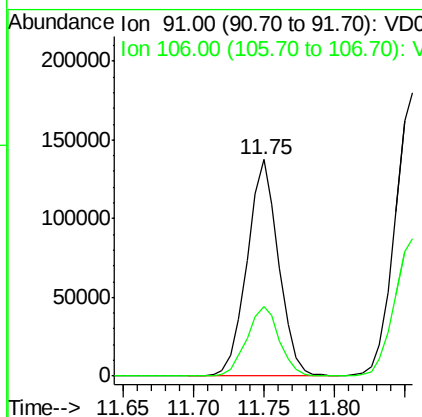
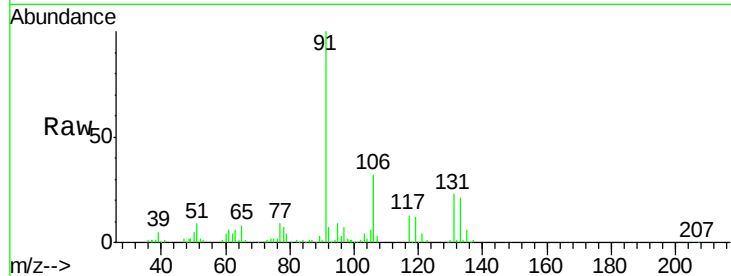
#67
Ethyl Benzene
Concen: 21.526 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion: 91 Resp: 215303
Ion Ratio Lower Upper
91 100
106 32.3 26.2 39.2

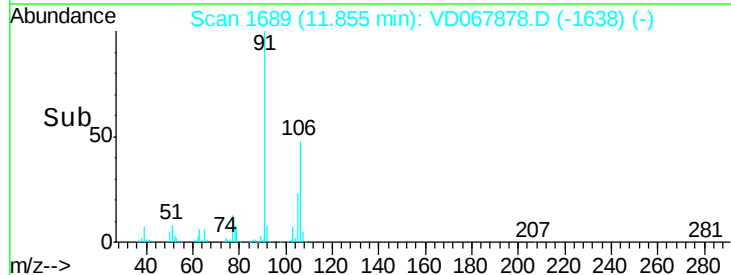
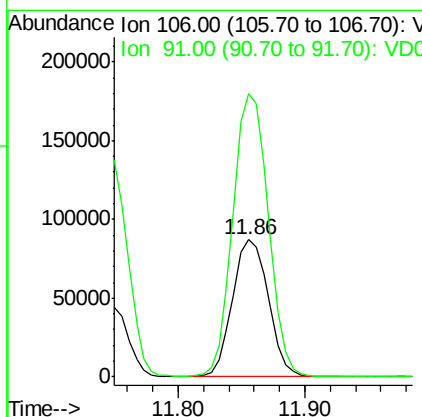
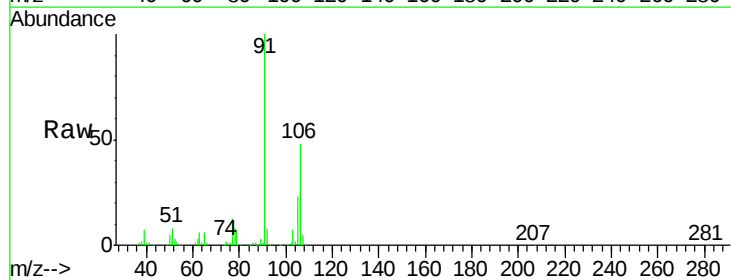
Manual Integrations
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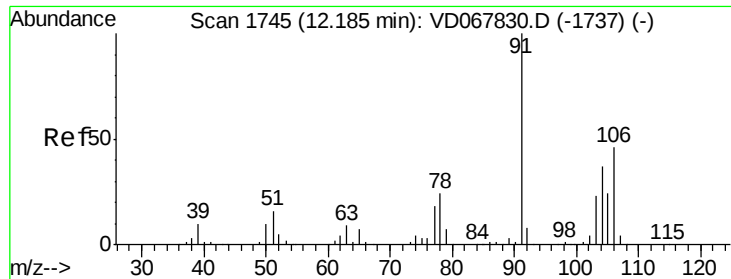
MMDadoda
12/7/2020 11:30:47 AM



#68
m/p-Xylenes
Concen: 43.401 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion: 106 Resp: 171168
Ion Ratio Lower Upper
106 100
91 204.4 162.8 244.2





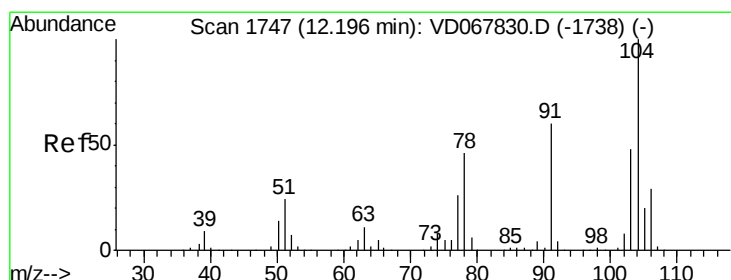
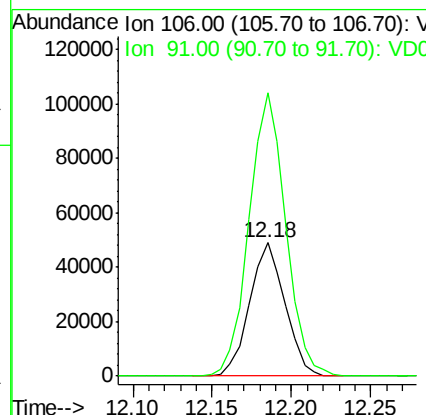
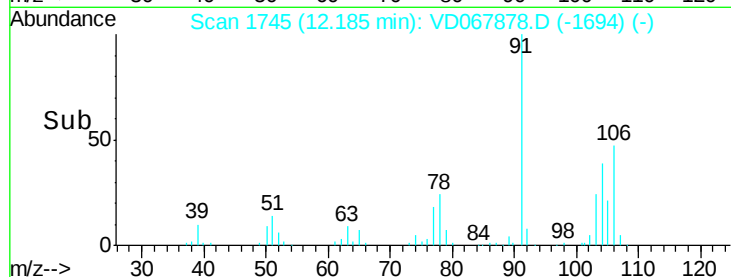
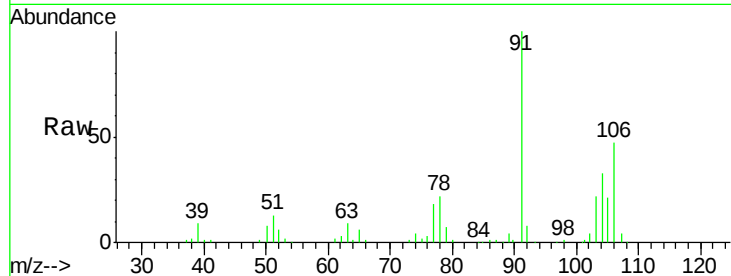
#69
o-Xylene
Concen: 21.714 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion:106 Resp: 76025
Ion Ratio Lower Upper
106 100
91 219.5 107.5 322.5

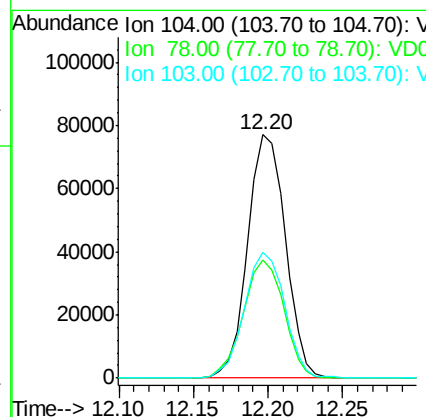
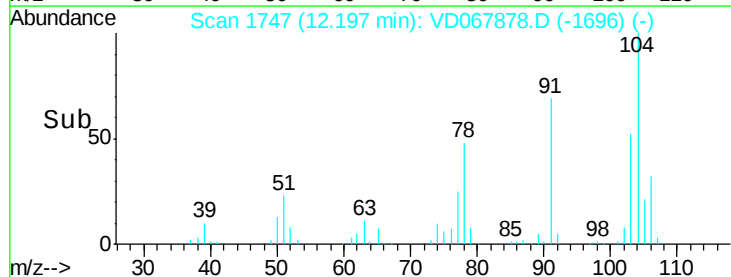
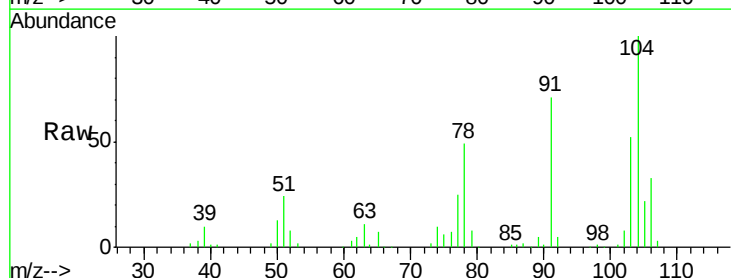
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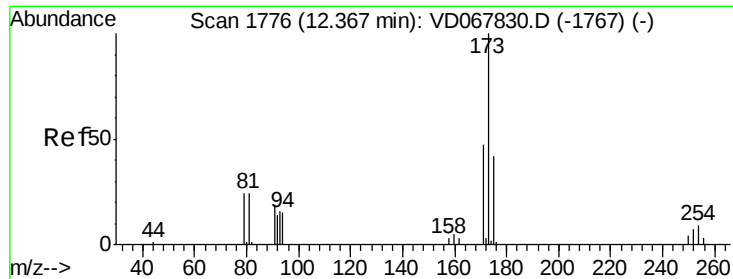
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#70
Styrene
Concen: 22.228 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion:104 Resp: 135324
Ion Ratio Lower Upper
104 100
78 52.3 41.6 62.4
103 55.2 43.2 64.8





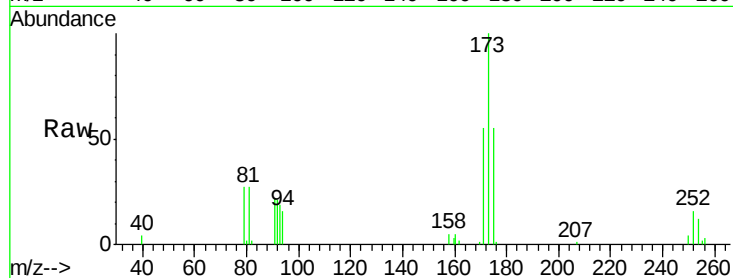
#71
Bromoform
Concen: 20.181 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

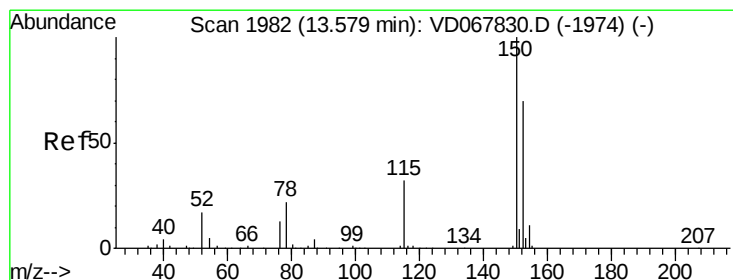
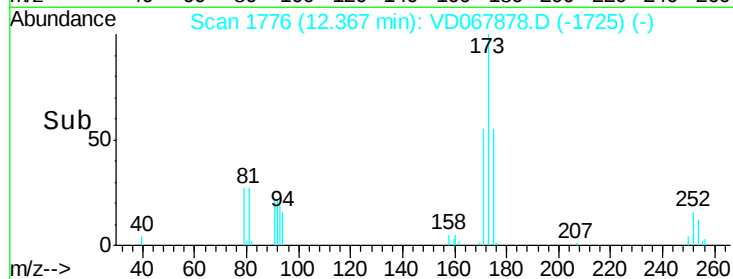
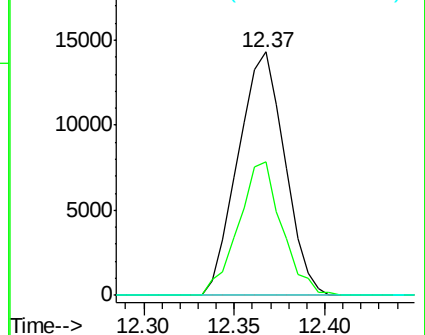
Tot Ion	Ratio	Lower	Upper
173	100		
175	51.1	23.4	70.3
254	0.0	0.1	0.1

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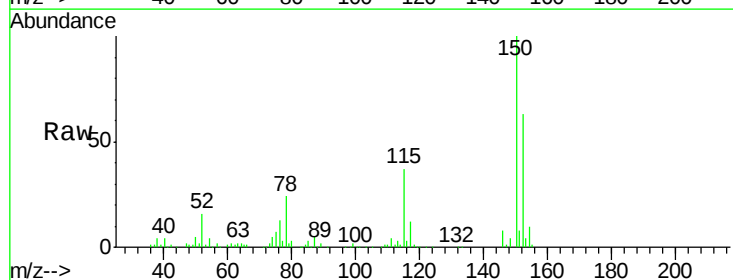


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

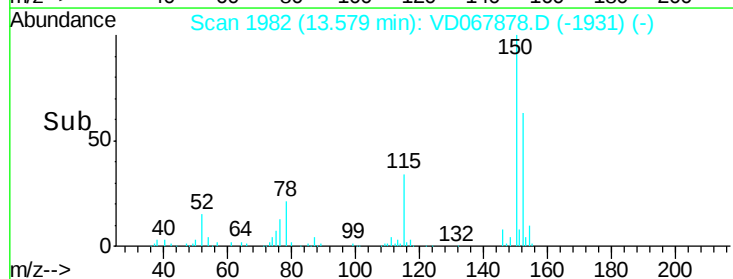
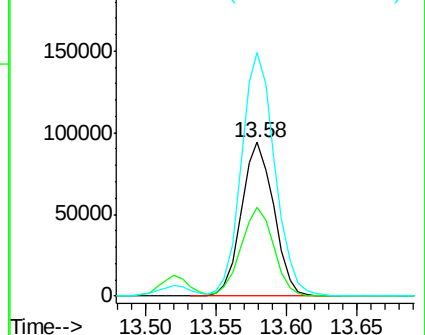


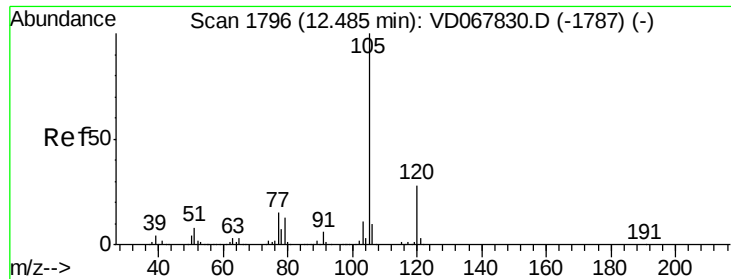
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.1	87.4
150	163.9	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: 21.449 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 105 Resp: 222771

Ion Ratio Lower Upper

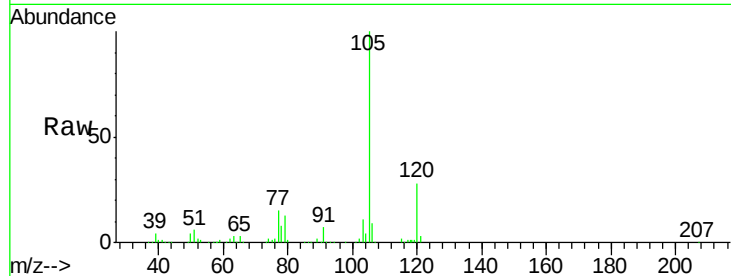
105 100

120 26.4 13.9 41.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

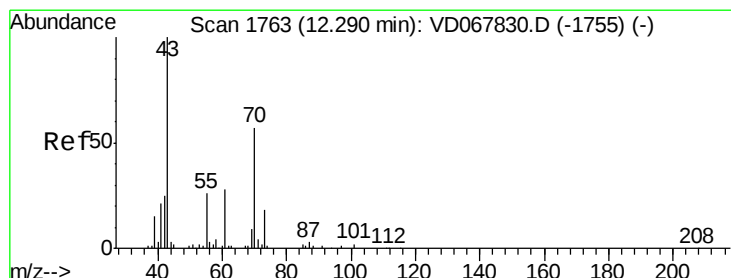
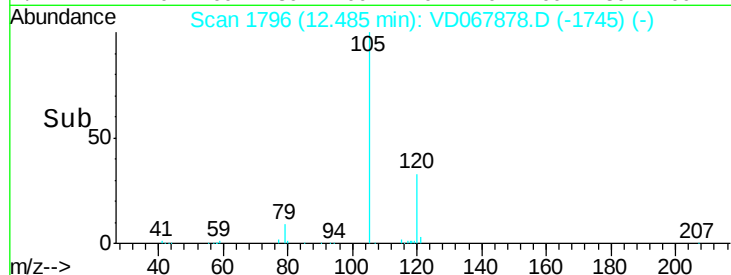
100000

50000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 18.287 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Tgt Ion: 43 Resp: 23494

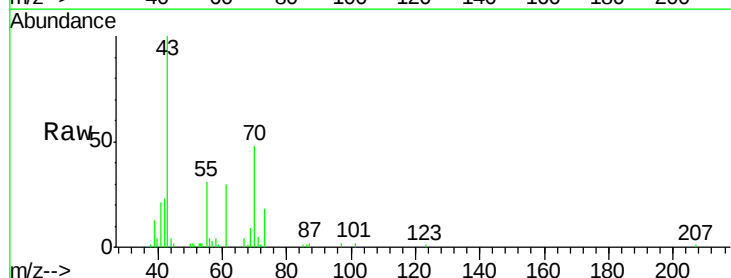
Ion Ratio Lower Upper

43 100

70 56.9 44.6 66.8

55 31.7 22.2 33.2

61 31.7 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

25000

20000

15000

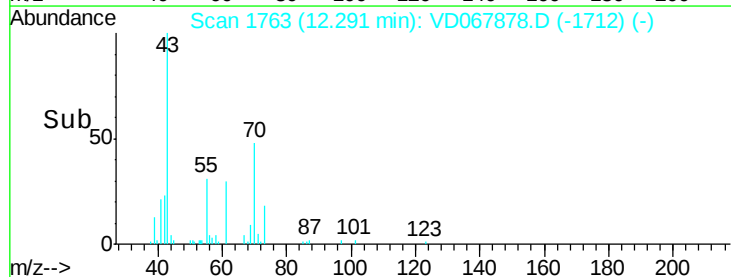
10000

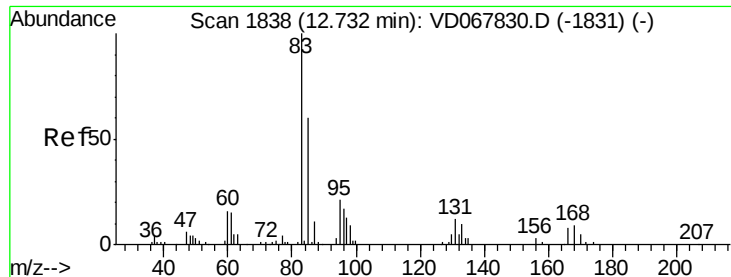
5000

0

12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.785 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

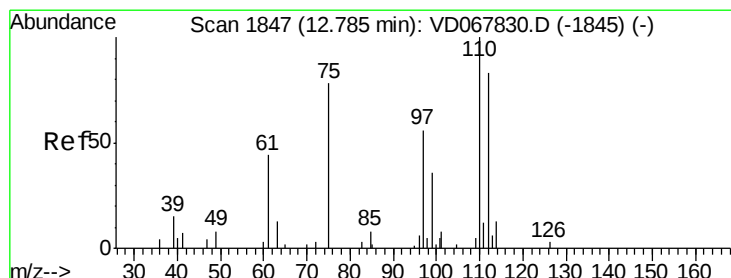
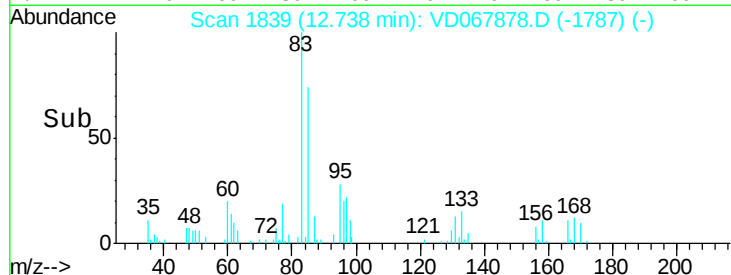
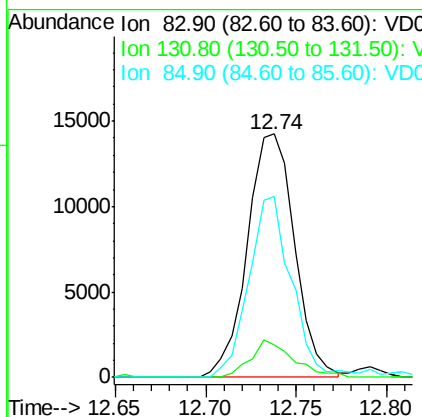
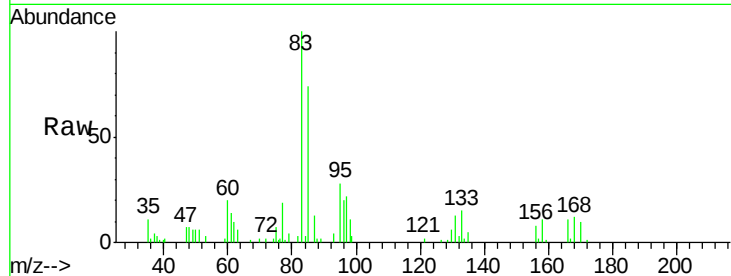
ClientSampleId :

VD1204SBS01

Tot Ion:	83	Resp:	25759
Ion Ratio	Lower	Upper	
83	100		
131	13.8	8.0	24.0
85	67.5	31.7	95.1

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#76

1,2,3-Trichloropropane

Concen: 19.073 ug/l m

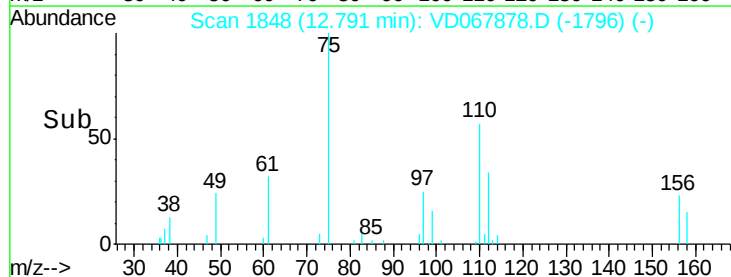
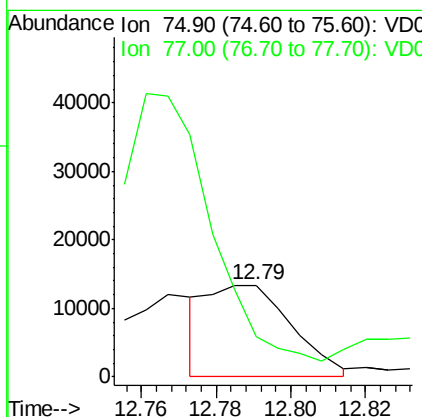
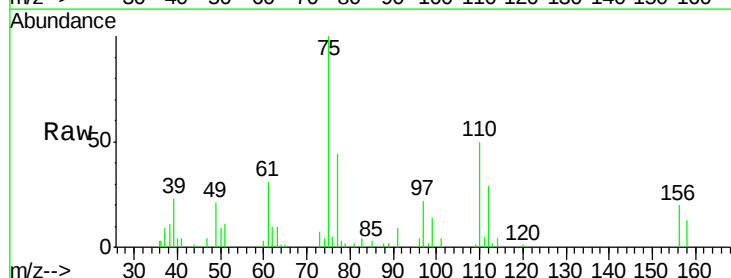
RT: 12.79 min Scan# 1848

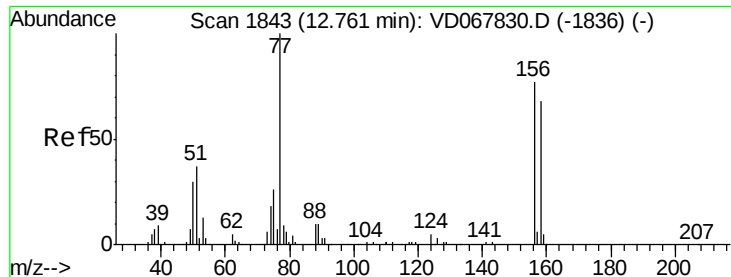
Delta R.T. 0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Tgt Ion:	75	Resp:	20977
Ion Ratio	Lower	Upper	
75	100		
77	0.0	175.9	527.7#





#77

Bromobenzene

Concen: 20.959 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

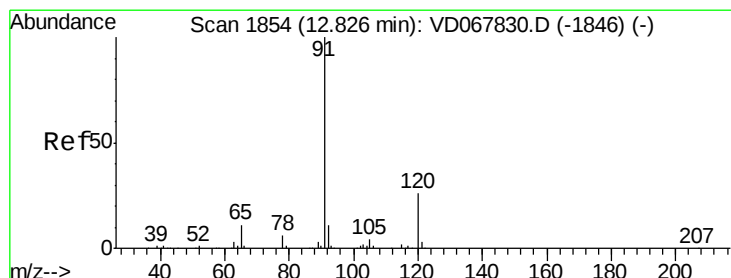
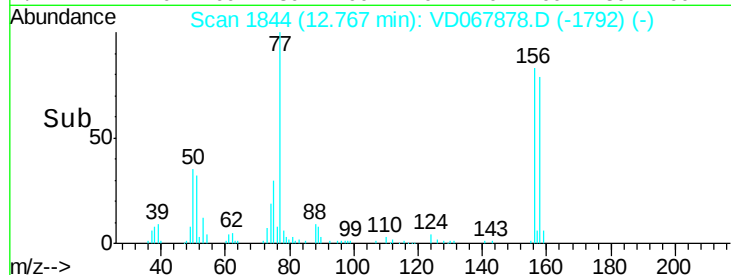
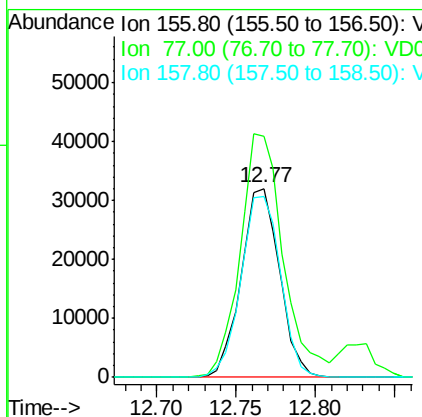
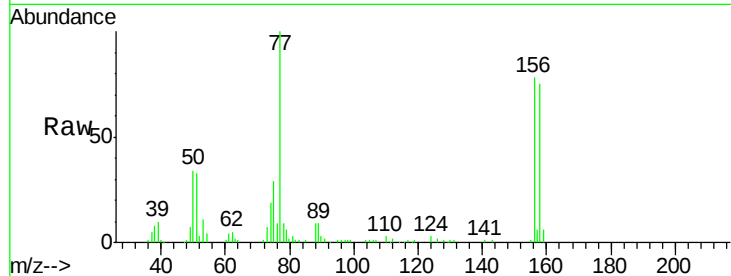
ClientSampleId :

VD1204SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		54118		
77	144.5	71.5	214.5		
158	98.6	47.1	141.4		

Manual Integrations
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#78

n-propylbenzene

Concen: 21.369 ug/l

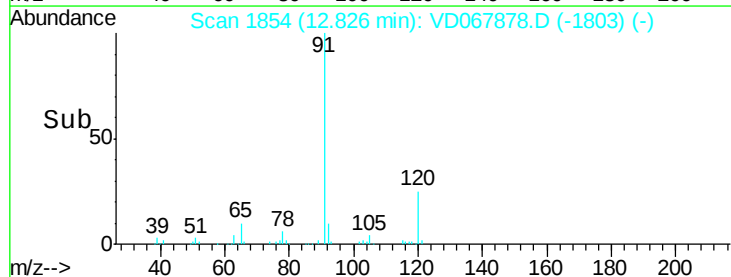
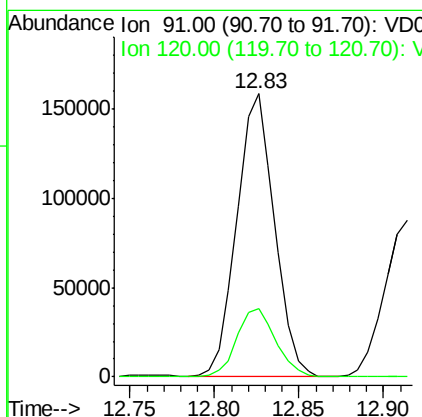
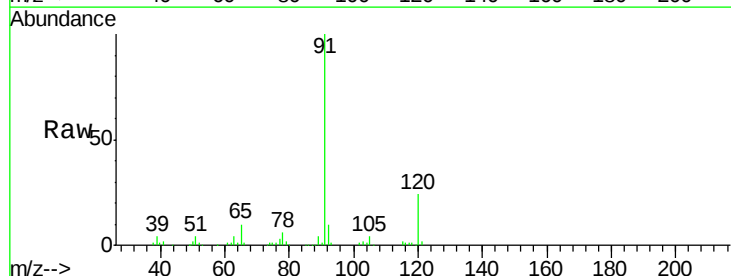
RT: 12.83 min Scan# 1854

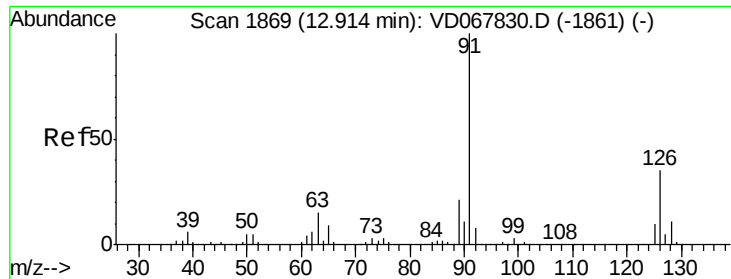
Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		245988		
120	25.0	12.7	38.0		





#79

2-Chlorotoluene

Concen: 21.244 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 91 Resp: 143866

Ion Ratio Lower Upper

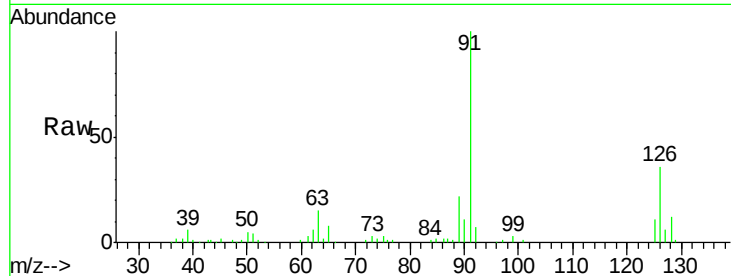
91 100

126 36.7 17.9 53.7

Manual Integrations
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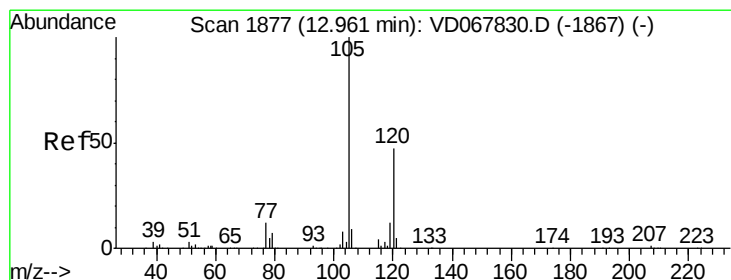
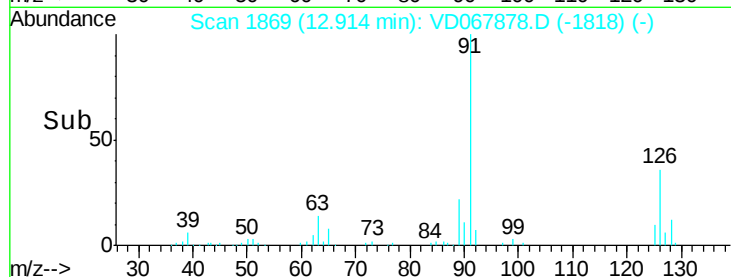
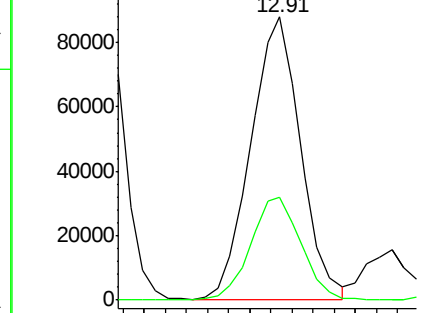
MMDadoda

12/7/2020 11:30:47 AM



Abundance Ion 91.00 (90.70 to 91.70): VD067830.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD067830.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.643 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD067878.D

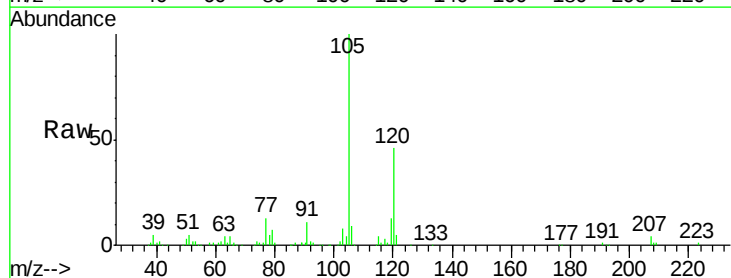
Acq: 04 Dec 2020 11:36

Tgt Ion: 105 Resp: 194625

Ion Ratio Lower Upper

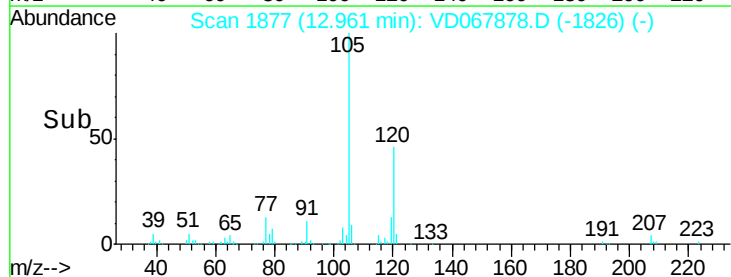
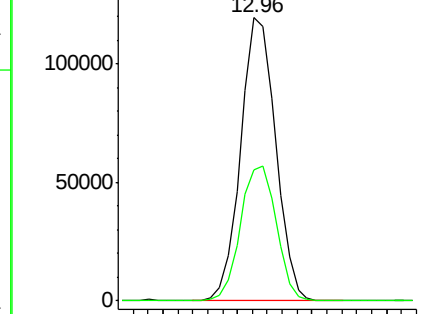
105 100

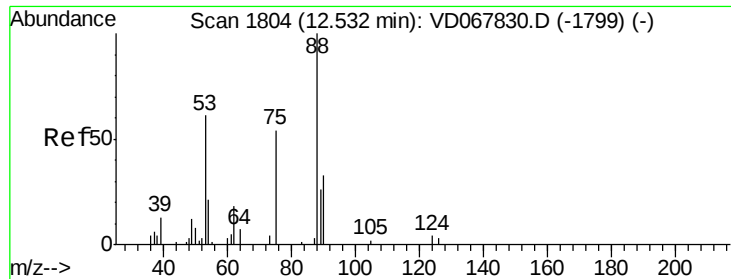
120 49.1 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VD067830.D (-1867) (-)

Ion 120.00 (119.70 to 120.70): VD067830.D (-1867) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.591 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 75 Resp: 8548

Ion Ratio Lower Upper

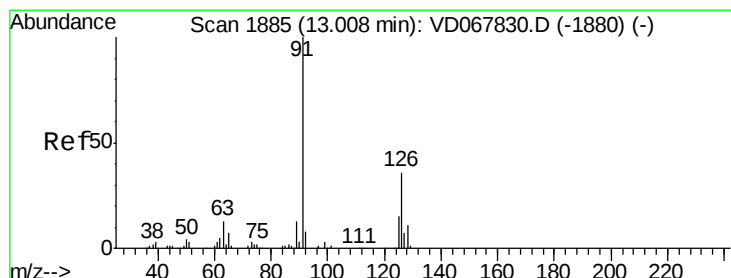
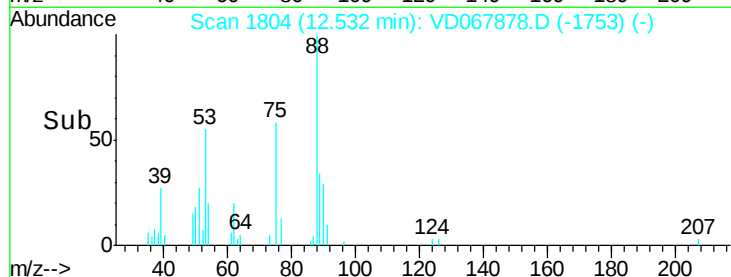
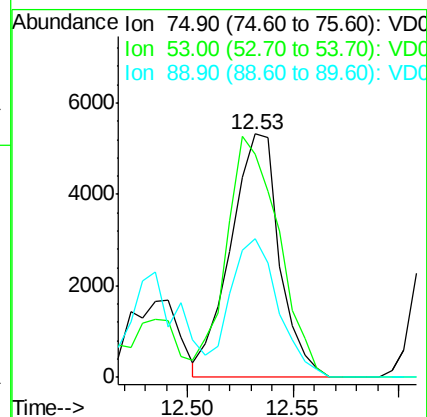
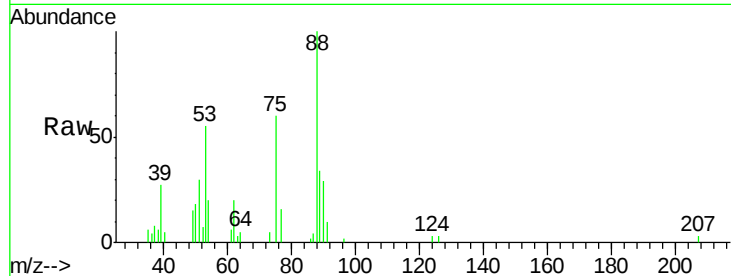
75 100

53 105.7 84.6 127.0

89 55.9 41.0 61.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.283 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067878.D

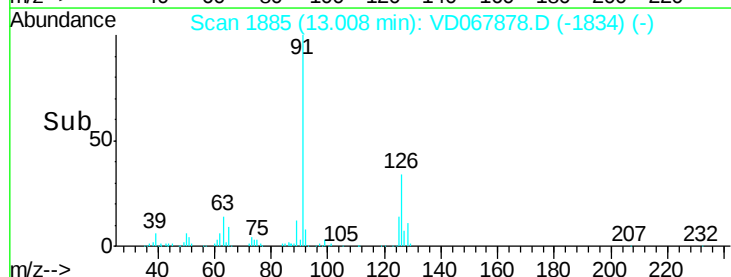
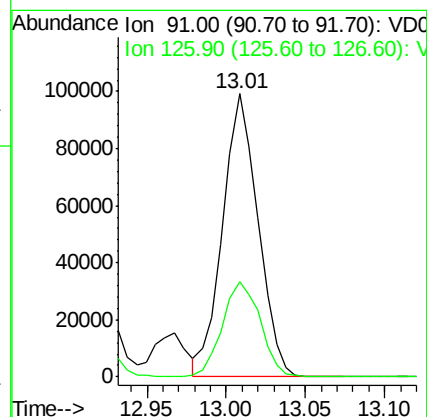
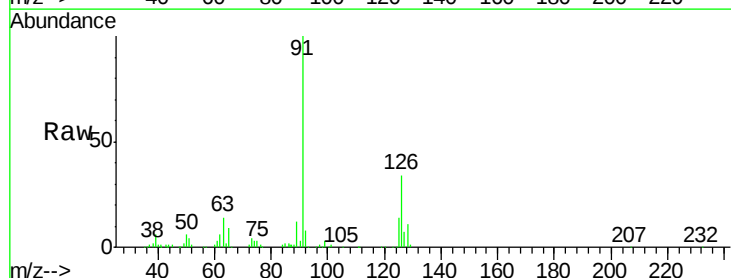
Acq: 04 Dec 2020 11:36

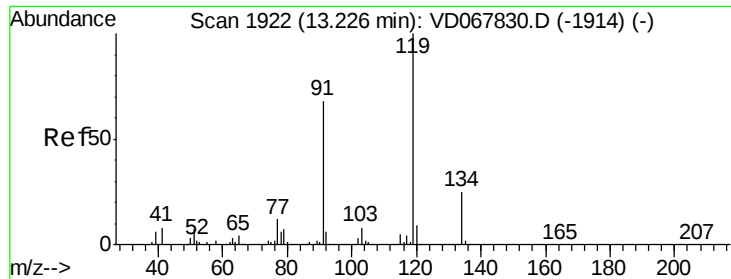
Tgt Ion: 91 Resp: 153753

Ion Ratio Lower Upper

91 100

126 36.0 18.1 54.4





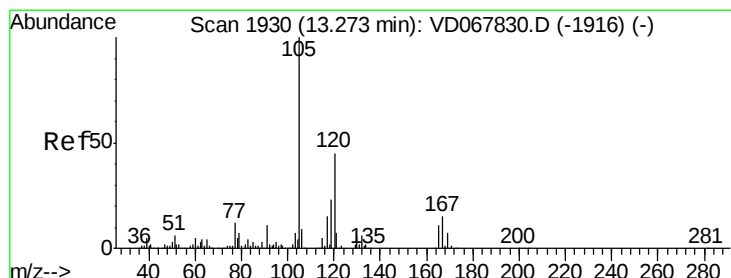
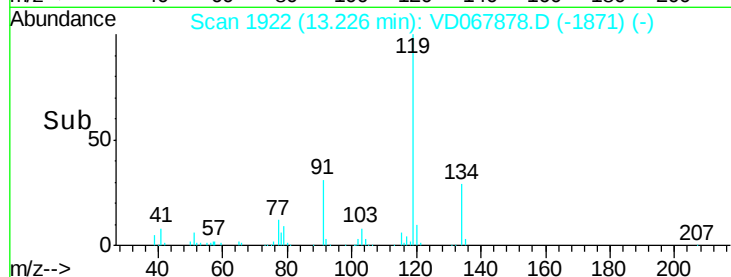
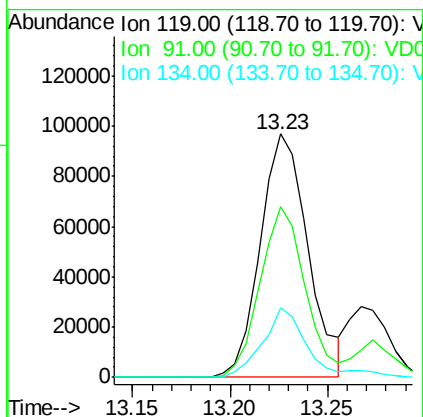
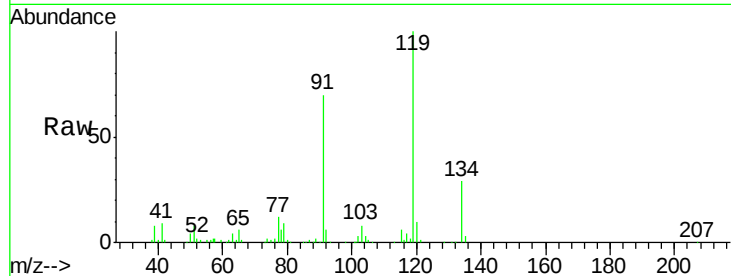
#83
tert-Butylbenzene
Concen: 21.480 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	164371		
91	66.1	33.1	99.3	
134	27.2	13.6	40.8	

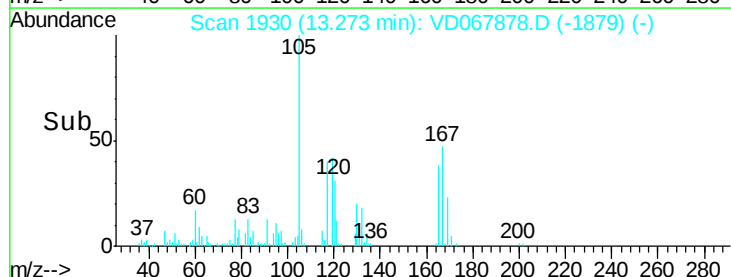
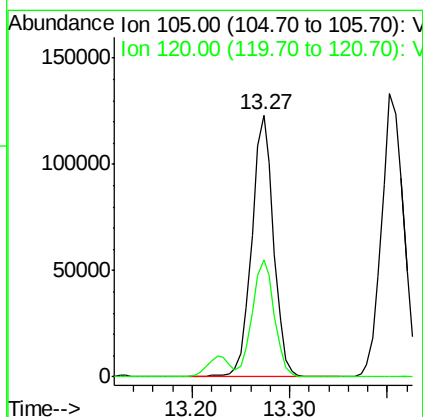
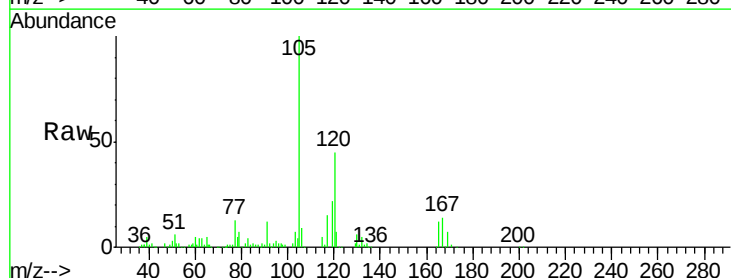
Manual Integrations
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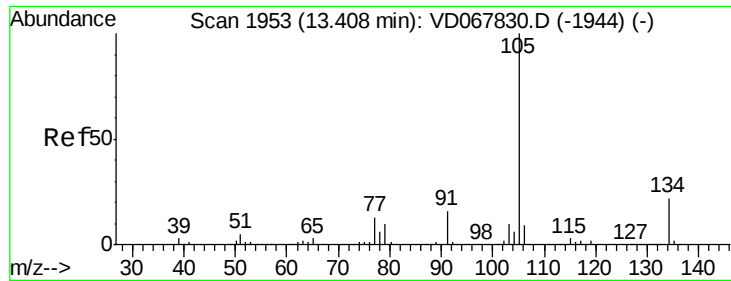
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.664 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	193720		
120	45.3	22.1	66.5	





#85

sec-Butylbenzene

Concen: 20.344 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion:105 Resp: 207778

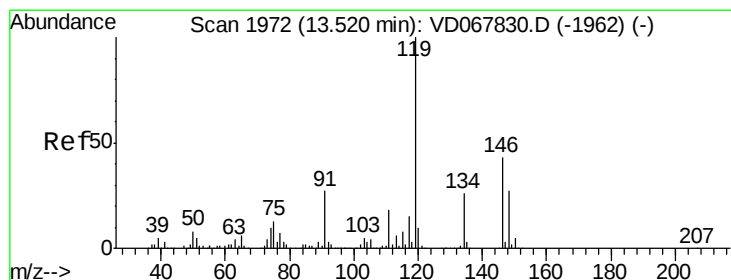
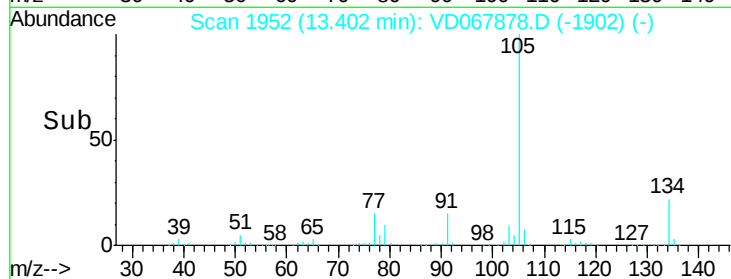
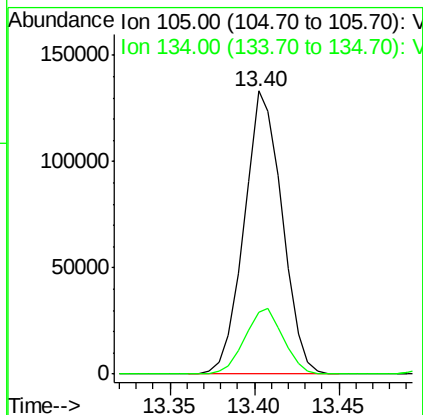
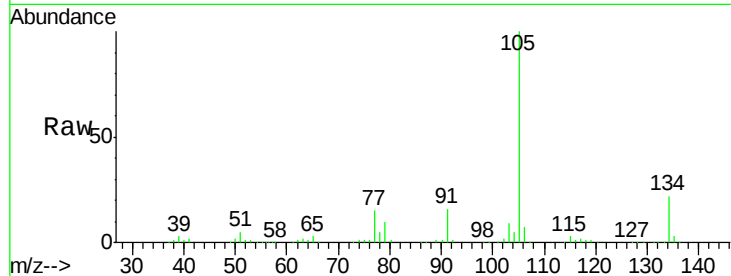
Ion Ratio Lower Upper

105 100

134 23.7 10.9 32.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 21.331 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

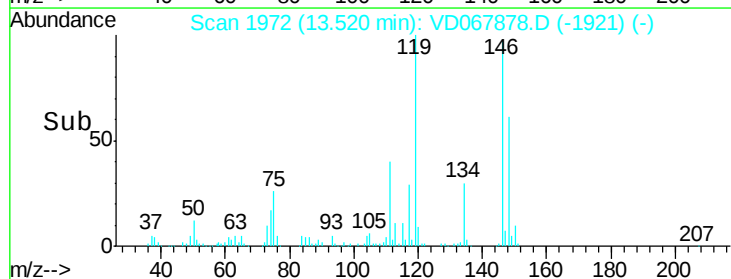
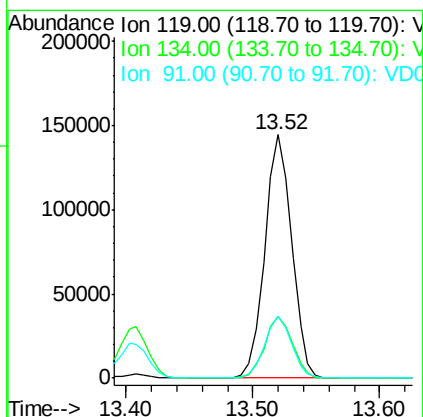
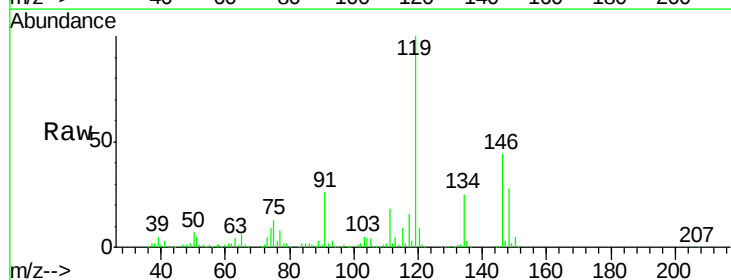
Tgt Ion:119 Resp: 213519

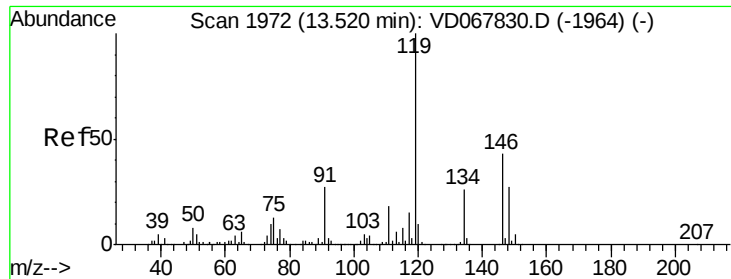
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

91 25.8 12.8 38.3





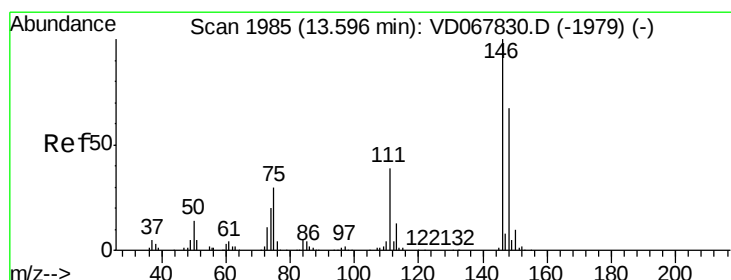
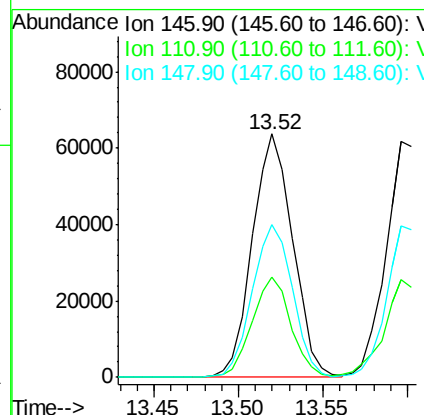
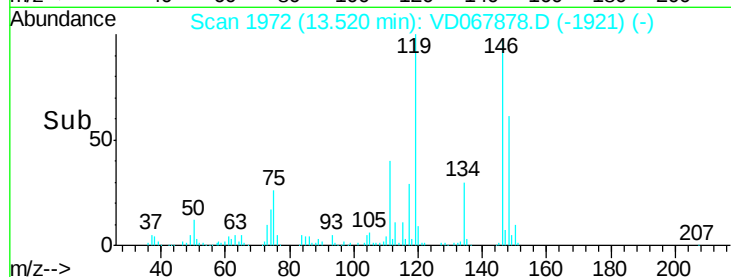
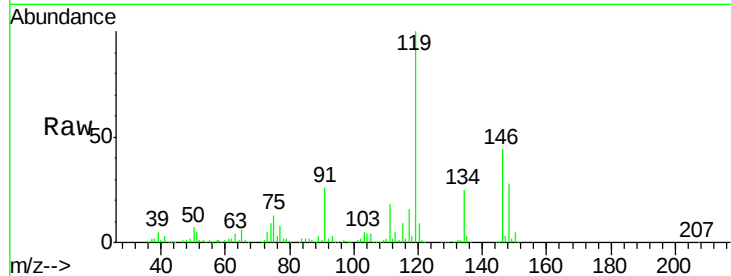
#87
 1,3-Dichlorobenzene
 Concen: 21.337 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.8	62.2
148	62.4	32.9	98.6

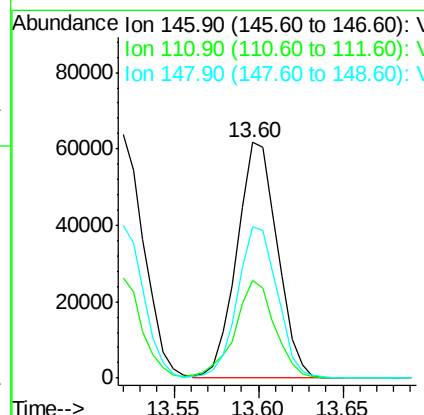
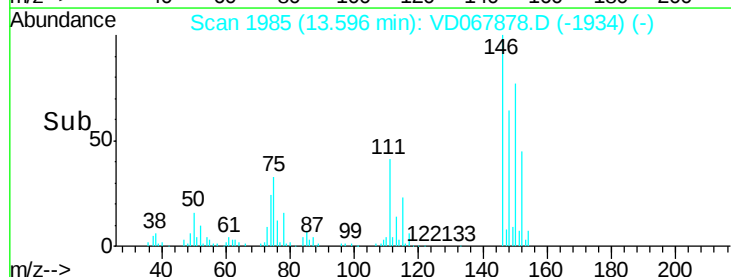
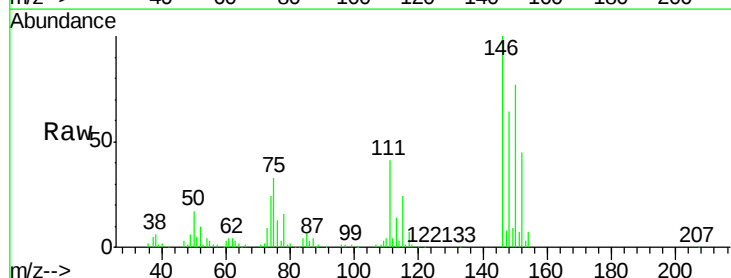
Manual Integrations
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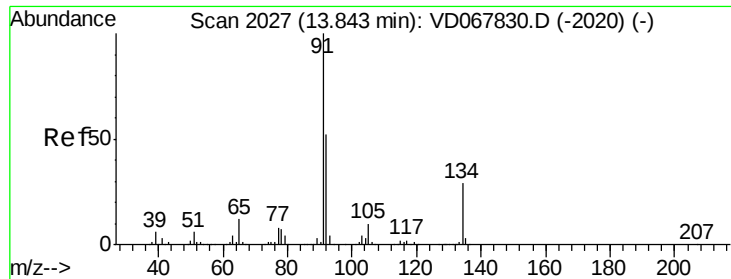
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#88
 1,4-Dichlorobenzene
 Concen: 20.768 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.9	59.6
148	63.2	32.4	97.2





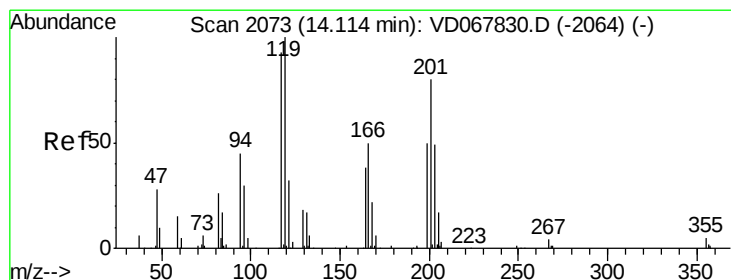
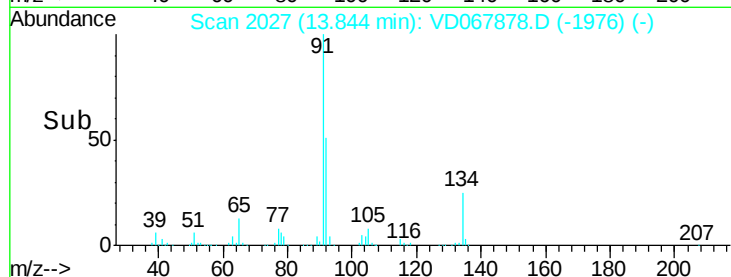
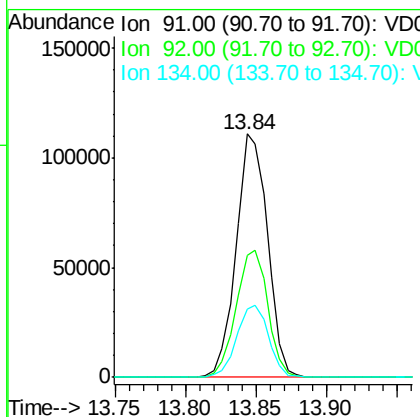
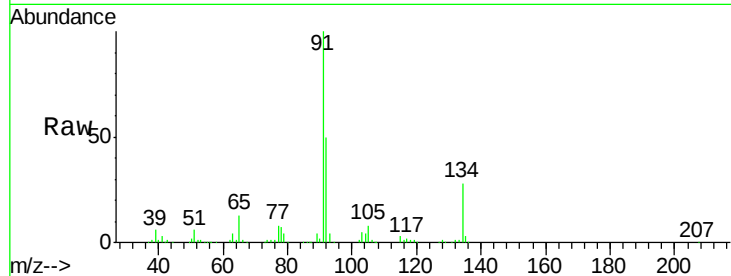
#89
n-Butylbenzene
Concen: 20.683 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.3	78.8
134	30.0	14.8	44.3

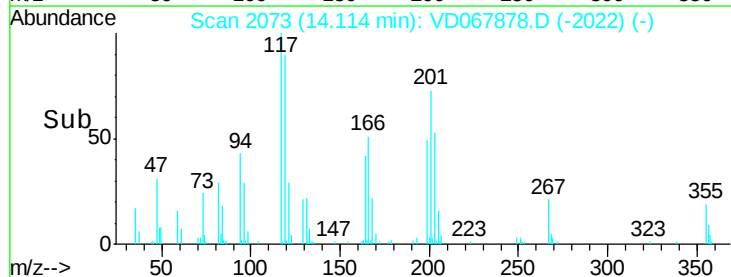
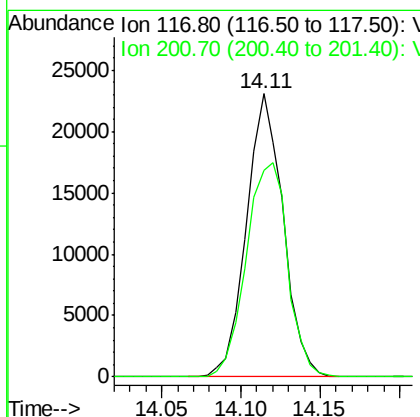
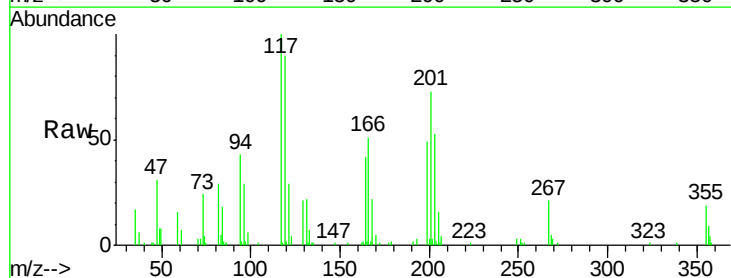
Manual Integrations
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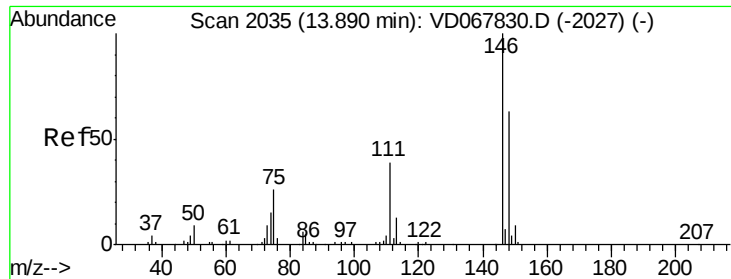
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#90
Hexachloroethane
Concen: 20.110 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.3	43.9	131.6





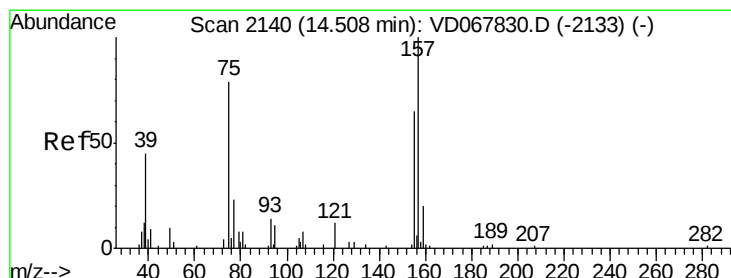
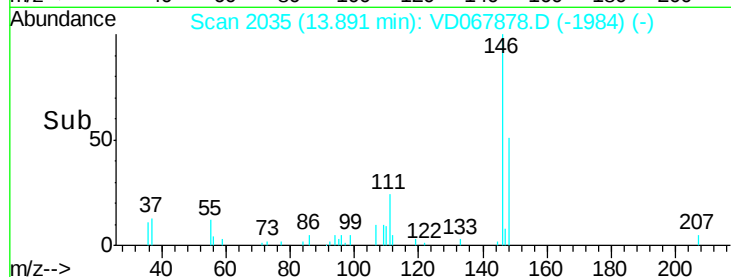
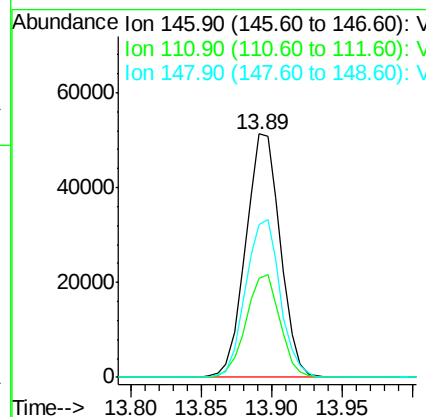
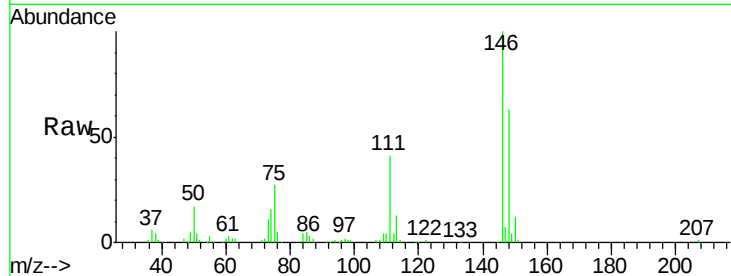
#91
 1,2-Dichlorobenzene
 Concen: 20.358 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.4	61.2
148	64.5	32.1	96.3

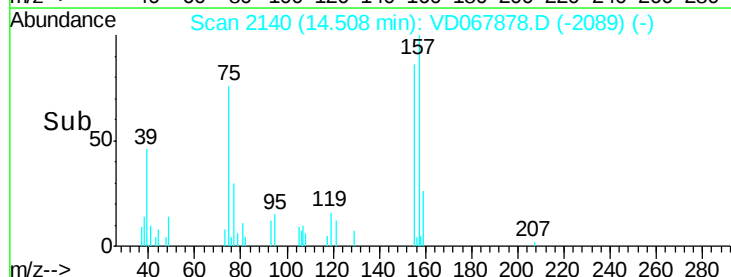
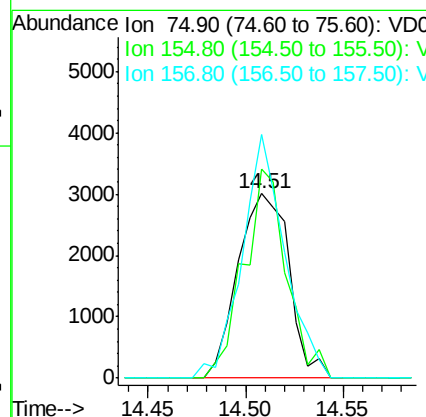
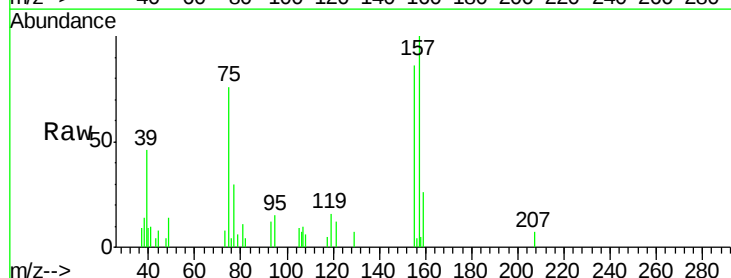
Manual Integrations
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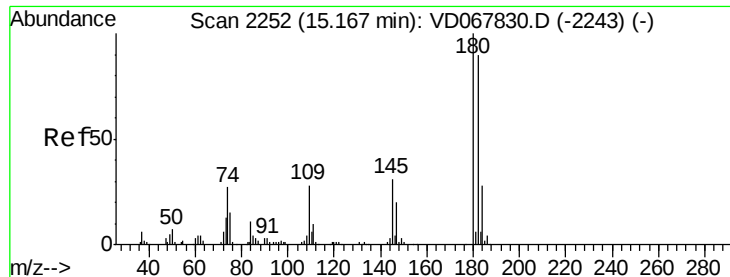
MMDadoda
 12/7/2020 11:30:47 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.097 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.7	44.1	132.4
157	109.8	62.4	187.2





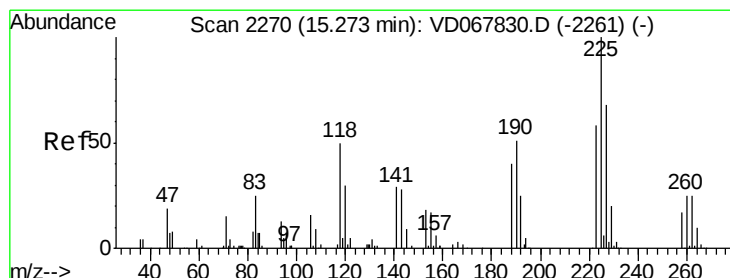
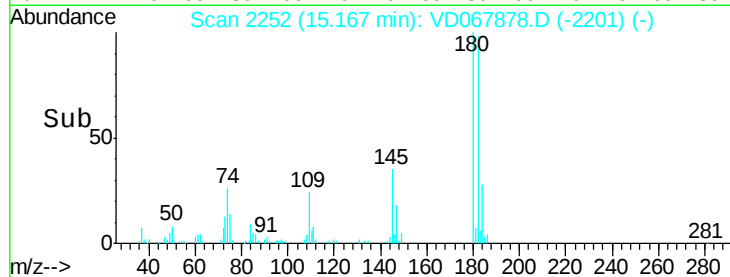
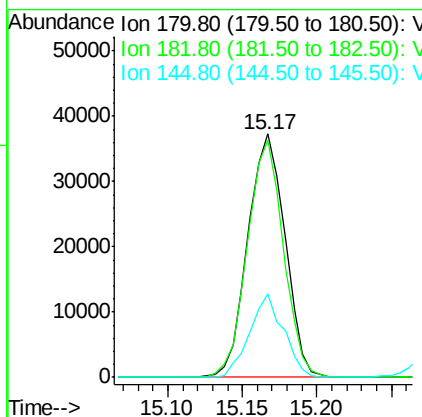
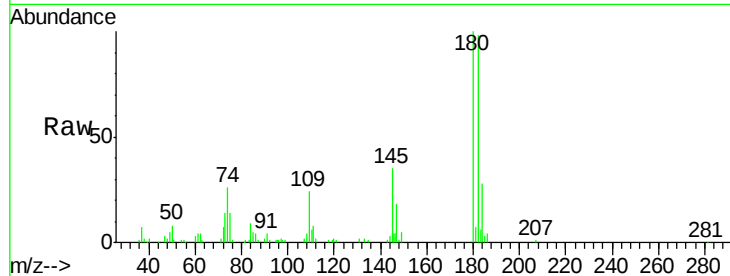
#93
 1,2,4-Trichlorobenzene
 Concen: 21.238 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.5	142.6
145	31.1	16.4	49.4

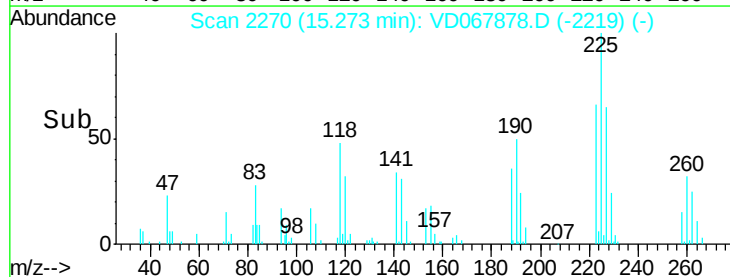
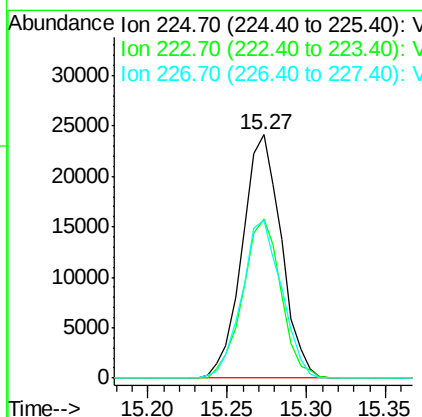
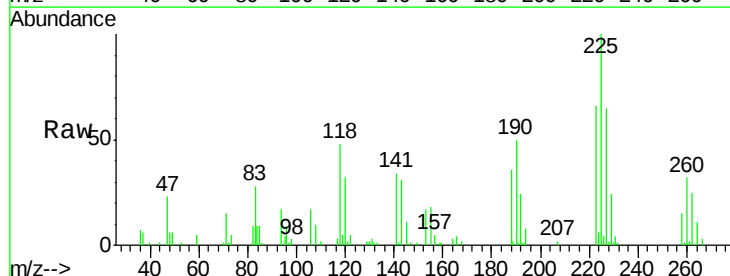
Manual Integrations
 APPROVED

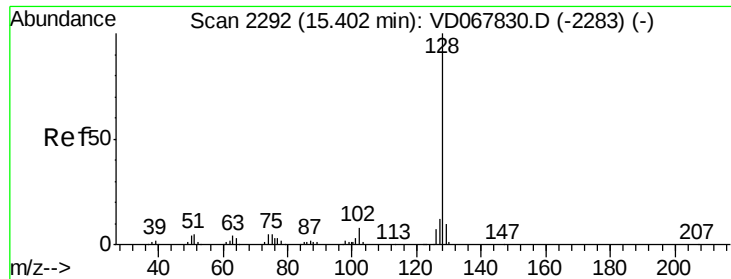
MMDadoda
 12/7/2020 11:30:47 AM



#94
 Hexachlorobutadiene
 Concen: 21.014 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.1	93.3
227	65.5	33.1	99.3





#95

Naphthalene

Concen: 19.068 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

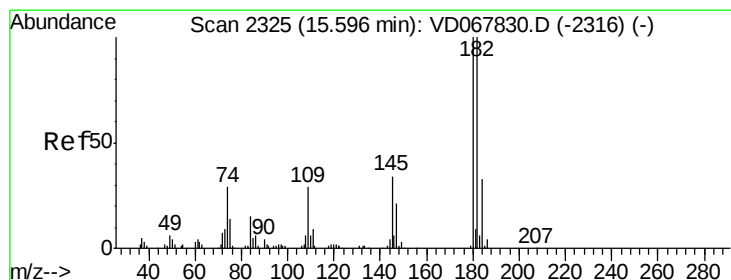
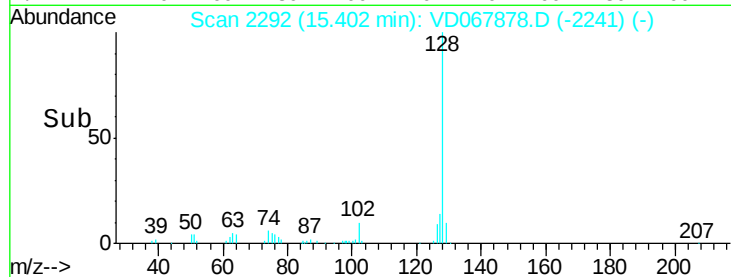
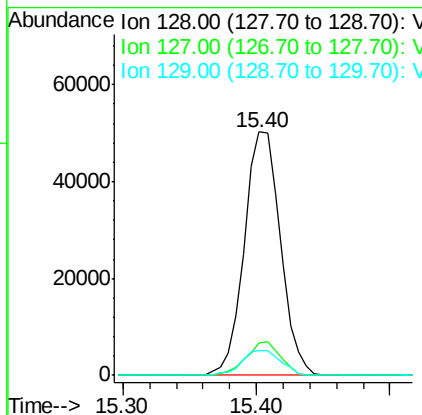
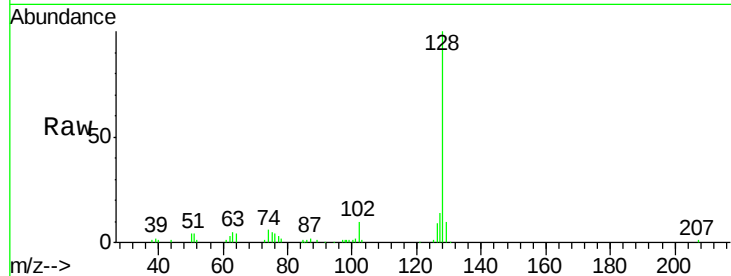
ClientSampleId :

VD1204SBS01

Tot Ion:	128	Resp:	93757
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	11.0	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
12/7/2020 11:30:47 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.617 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Tgt Ion:	180	Resp:	53801
Ion Ratio	Lower	Upper	
180	100		
182	100.7	47.3	142.0
145	34.8	16.8	50.4

