

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120120\
 Data File : VD067830.D
 Acq On : 01 Dec 2020 11:55
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 12/2/2020 12:24:00 PM

Quant Time: Dec 02 04:03:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 03:45:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	245968	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	348773	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	313620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	161242	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	133120	50.41	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.82%
35) Dibromofluoromethane	7.92	113	119376	51.15	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.30%
50) Toluene-d8	10.34	98	425996	50.71	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.42%
62) 4-Bromofluorobenzene	12.64	95	147492	50.78	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.56%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	107690	50.309	ug/l	100
3) Chloromethane	2.21	50	59239	47.952	ug/l	100
4) Vinyl Chloride	2.35	62	74249	47.722	ug/l	100
5) Bromomethane	2.77	94	64039	46.107	ug/l	100
6) Chloroethane	2.93	64	50288	49.643	ug/l	100
7) Trichlorofluoromethane	3.27	101	223363	46.916	ug/l	100
8) Diethyl Ether	3.71	74	43428	46.800	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	104209	48.001	ug/l	100
10) Methyl Iodide	4.30	142	119182	51.793	ug/l	100
11) Tert butyl alcohol	5.20	59	32804m	160.499	ug/l	
12) 1,1-Dichloroethene	4.07	96	97775	47.971	ug/l	100
13) Acrolein	3.92	56	25675	280.355	ug/l	100
14) Allyl chloride	4.71	41	93622	49.652	ug/l	100
15) Acrylonitrile	5.43	53	80654	250.667	ug/l	100
16) Acetone	4.16	43	89373	276.873	ug/l	100
17) Carbon Disulfide	4.41	76	271026	47.627	ug/l	100
18) Methyl Acetate	4.71	43	30596	46.097	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	223349	51.175	ug/l	100
20) Methylene Chloride	4.96	84	106439	42.947	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	112479	48.496	ug/l	100
22) Diisopropyl ether	6.36	45	190411	50.209	ug/l	100
23) Vinyl Acetate	6.31	43	566054	268.305	ug/l	100
24) 1,1-Dichloroethane	6.27	63	164980	49.628	ug/l	100
25) 2-Butanone	7.21	43	89590	261.045	ug/l	100
26) 2,2-Dichloropropane	7.21	77	189547	47.815	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	124784	49.189	ug/l	100
28) Bromochloromethane	7.56	49	49779	47.163	ug/l	100
29) Tetrahydrofuran	7.56	42	50891	283.275	ug/l	100
30) Chloroform	7.71	83	214035	48.177	ug/l	100
31) Cyclohexane	7.99	56	125739	45.197	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	223144	47.582	ug/l	100
36) 1,1-Dichloropropene	8.11	75	149831	49.624	ug/l	100
37) Ethyl Acetate	7.30	43	40364	57.252	ug/l	100
38) Carbon Tetrachloride	8.10	117	220658	48.302	ug/l	100

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MMDadoda
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	177349	49.566	ug/l	100
40) Benzene	8.36	78	405500	49.082	ug/l	100
41) Methacrylonitrile	7.53	41	22813	57.660	ug/l	100
42) 1,2-Dichloroethane	8.43	62	149139	50.650	ug/l	100
43) Isopropyl Acetate	8.46	43	81906	51.155	ug/l	100
44) Trichloroethene	9.11	130	137991	48.580	ug/l	100
45) 1,2-Dichloropropane	9.39	63	81834	48.261	ug/l	100
46) Dibromomethane	9.48	93	59109	50.137	ug/l	100
47) Bromodichloromethane	9.67	83	162110	48.232	ug/l	100
48) Methyl methacrylate	9.46	41	40634	49.978	ug/l	100
49) 1,4-Dioxane	9.47	88	13165	977.261	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	195137	257.504	ug/l	100
52) Toluene	10.41	92	286255	49.558	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	145274	50.078	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	156842	49.705	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	76444	47.380	ug/l	100
56) Ethyl methacrylate	10.66	69	84701	51.598	ug/l	100
57) 1,3-Dichloropropane	10.95	76	122102	47.776	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	206569	276.544	ug/l	100
59) 2-Hexanone	10.99	43	142608	266.952	ug/l	100
60) Dibromochloromethane	11.14	129	116975	48.097	ug/l	100
61) 1,2-Dibromoethane	11.25	107	75979	47.888	ug/l	100
64) Tetrachloroethene	10.88	164	119299	46.635	ug/l	100
65) Chlorobenzene	11.67	112	313651	48.469	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	127211	48.197	ug/l	100
67) Ethyl Benzene	11.75	91	544170	49.364	ug/l	100
68) m/p-Xylenes	11.86	106	426615	98.146	ug/l	100
69) o-Xylene	12.18	106	193943	50.259	ug/l	100
70) Styrene	12.20	104	338926	50.510	ug/l	100
71) Bromoform	12.37	173	71990	51.527	ug/l	100
73) Isopropylbenzene	12.48	105	552076	49.788	ug/l	100
74) N-amyl acetate	12.29	43	70256	51.222	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.73	83	72055	49.219	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	55015m	45.880	ug/l	
77) Bromobenzene	12.76	156	138554	50.261	ug/l	100
78) n-propylbenzene	12.83	91	617319	50.229	ug/l	100
79) 2-Chlorotoluene	12.91	91	359591	49.735	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	484539	50.470	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	24263	49.428	ug/l	100
82) 4-Chlorotoluene	13.01	91	380388	49.321	ug/l	100
83) tert-Butylbenzene	13.23	119	426330	52.184	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	487015	51.014	ug/l	100
85) sec-Butylbenzene	13.41	105	539839	49.508	ug/l	100
86) p-Isopropyltoluene	13.52	119	536059	50.161	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	254147	47.793	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	250917	47.165	ug/l	100
89) n-Butylbenzene	13.84	91	452592	50.976	ug/l	100
90) Hexachloroethane	14.11	117	93590	47.435	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	226461	49.102	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14927	48.857	ug/l	100

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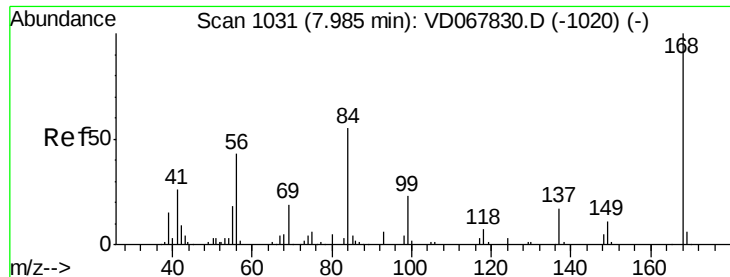
Manual Integrations
APPROVED

MMDadoda
12/2/2020 12:24:00 PM

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Quant Title : SW846 8260
QLast Update : Wed Dec 02 03:45:50 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	163159	50.575	ug/l	100
94) Hexachlorobutadiene	15.27	225	104501	49.641	ug/l	100
95) Naphthalene	15.40	128	276343	52.641	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	141998	50.968	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 245968

Ion Ratio Lower Upper

168 100

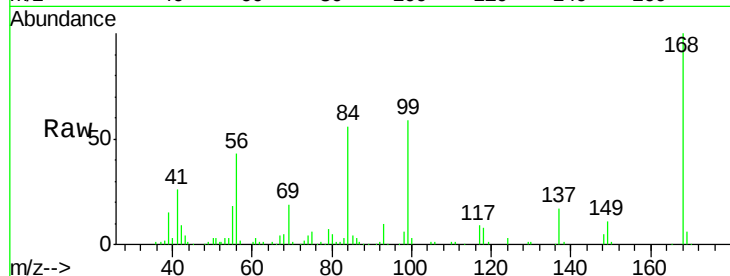
99 58.9 47.1 70.7

Manual Integrations

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12/2/2020 12:24:00 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

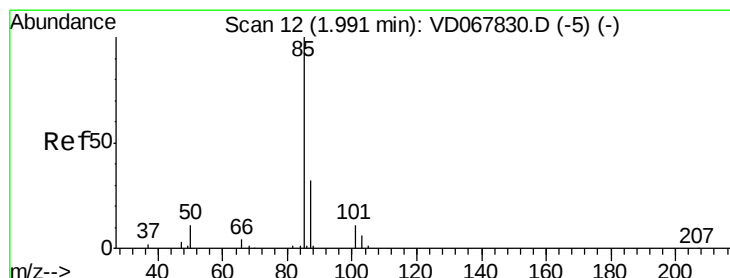
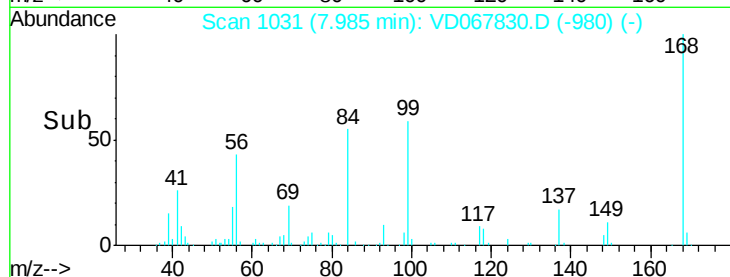
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.309 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067830.D

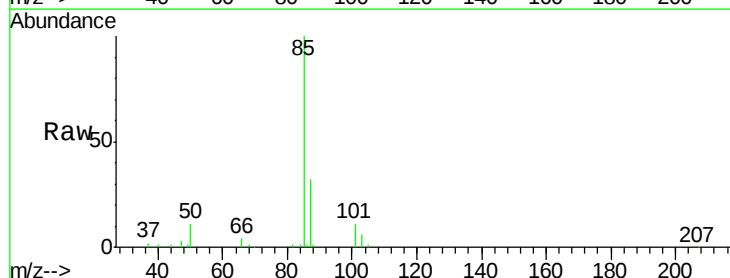
Acq: 01 Dec 2020 11:55

Tgt Ion: 85 Resp: 107690

Ion Ratio Lower Upper

85 100

87 31.7 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

80000

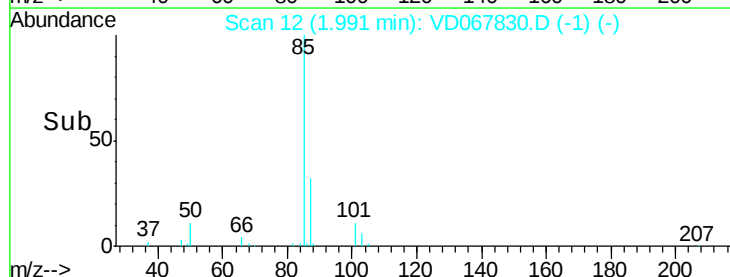
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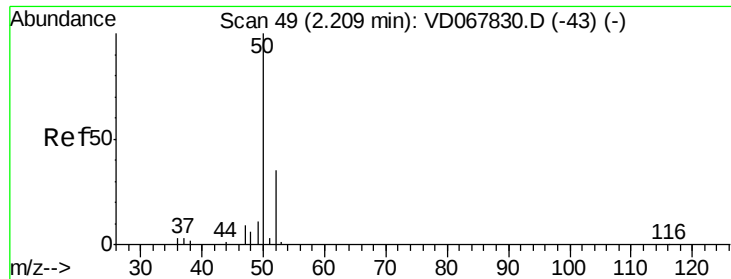
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20000

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Time-->





#3

Chloromethane

Concen: 47.952 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 59239

Ion Ratio Lower Upper

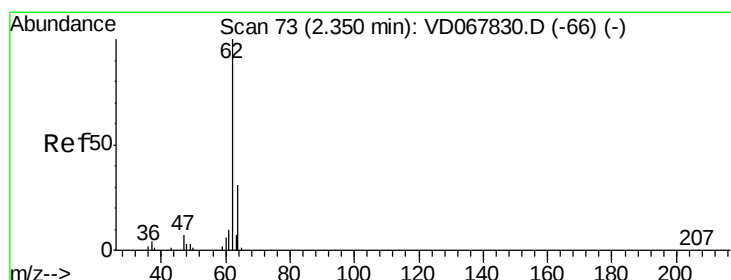
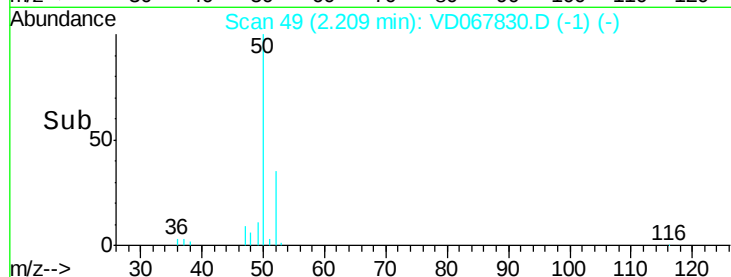
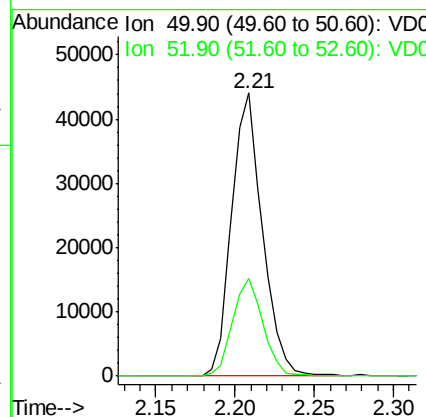
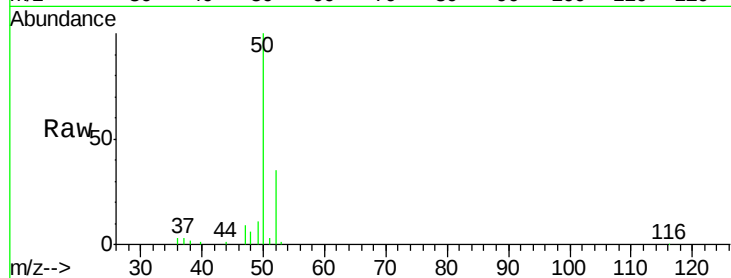
50 100

52 34.7 27.8 41.6

Manual Integrations
APPROVED

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#4

Vinyl Chloride

Concen: 47.722 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067830.D

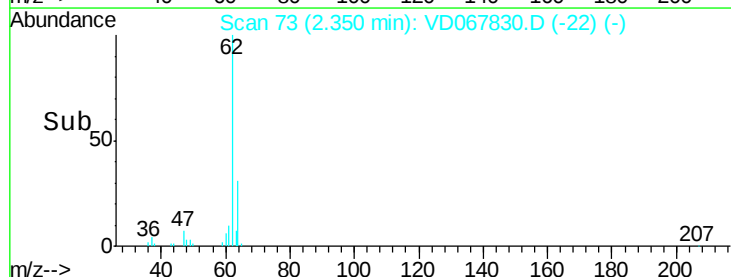
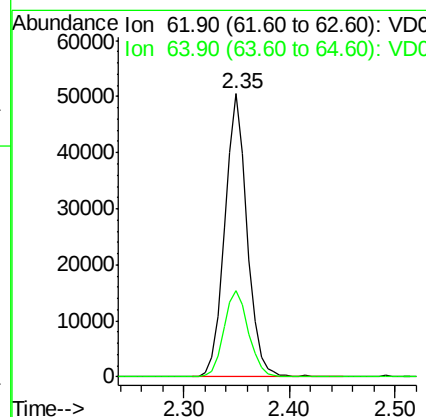
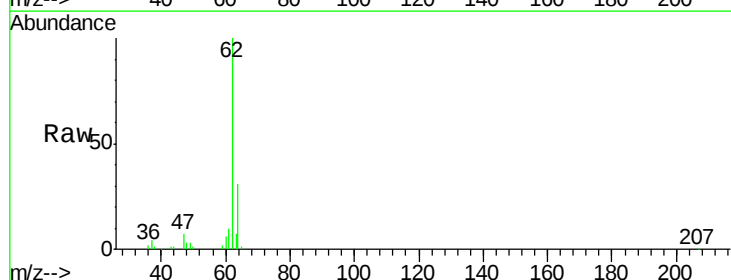
Acq: 01 Dec 2020 11:55

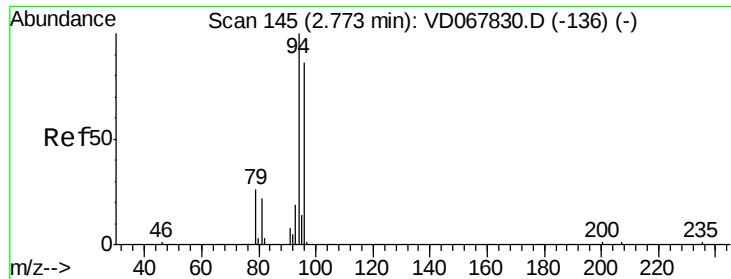
Tgt Ion: 62 Resp: 74249

Ion Ratio Lower Upper

62 100

64 30.6 24.5 36.7





#5

Bromomethane

Concen: 46.107 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 64039

Ion Ratio Lower Upper

94 100

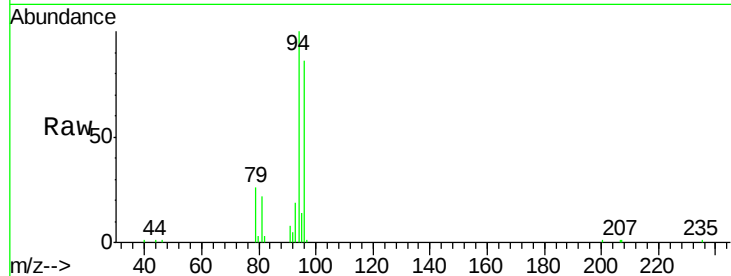
96 85.9 68.7 103.1

Manual Integrations

APPROVED

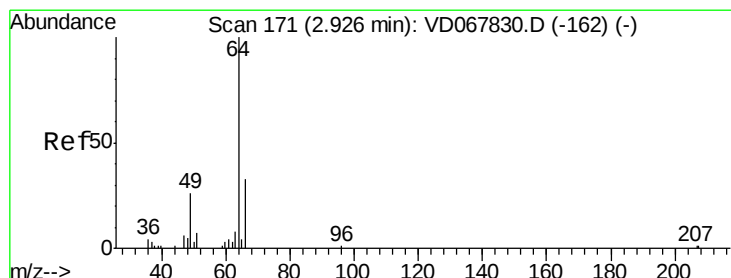
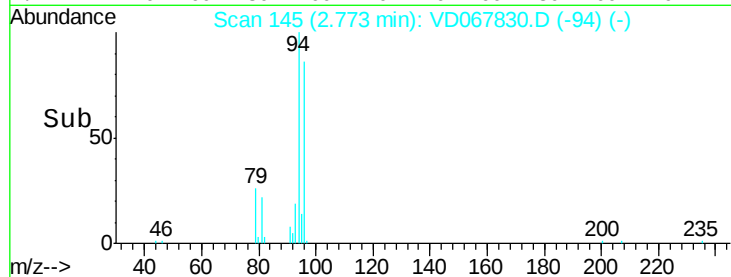
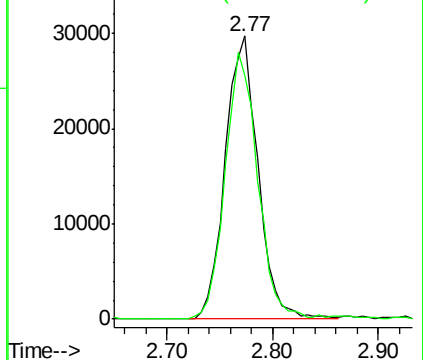
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12/2/2020 12:24:00 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.643 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD067830.D

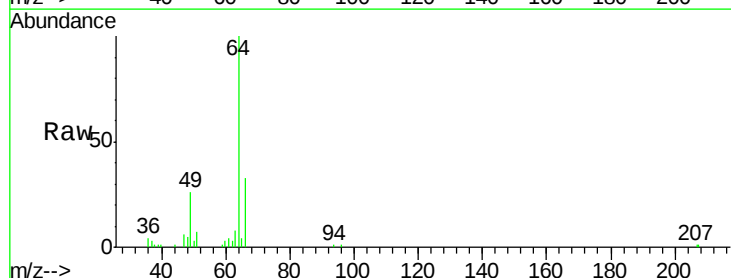
Acq: 01 Dec 2020 11:55

Tgt Ion: 64 Resp: 50288

Ion Ratio Lower Upper

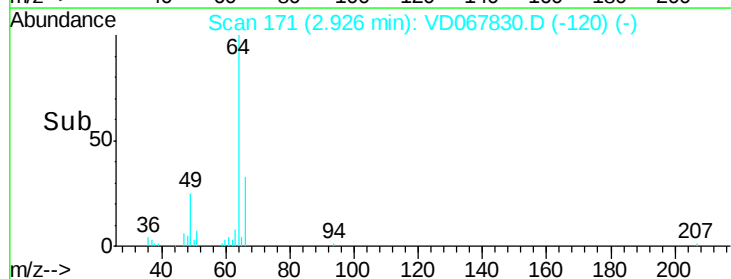
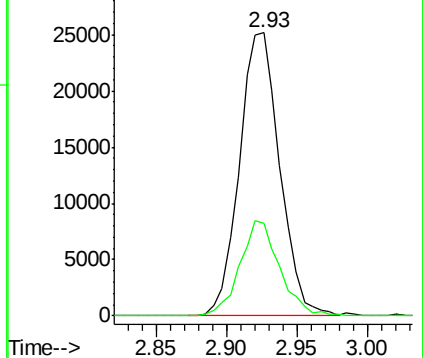
64 100

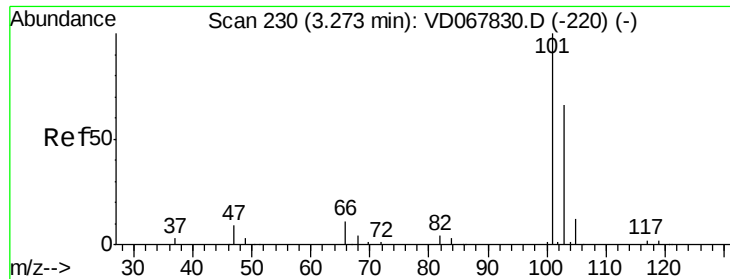
66 32.6 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

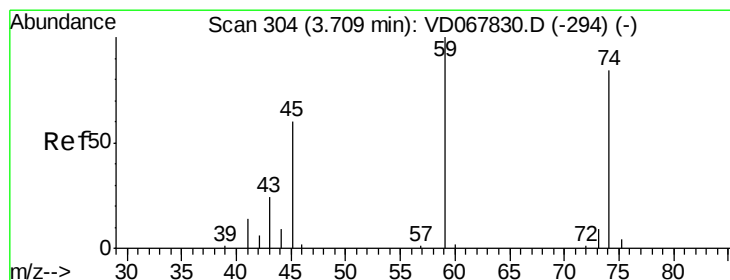
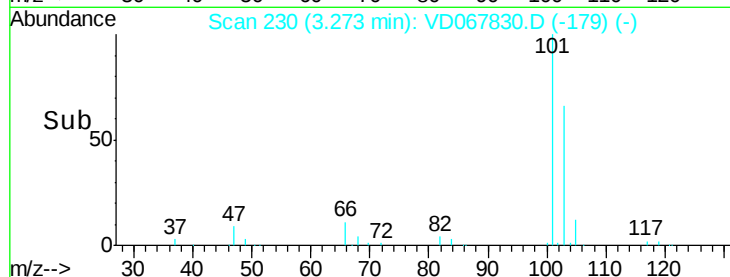
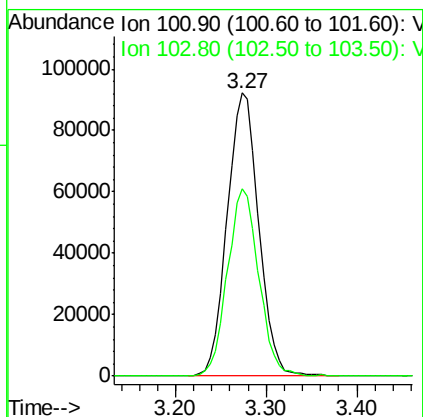
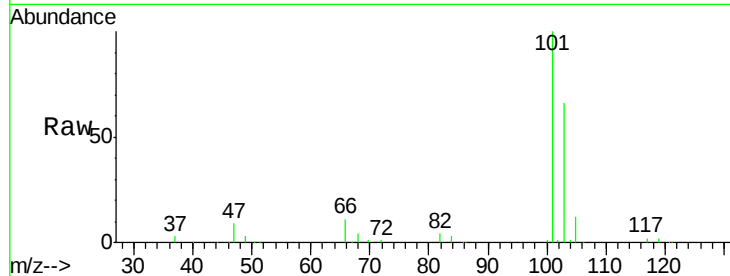
Trichlorofluoromethane
Concen: 46.916 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	53.0	79.6

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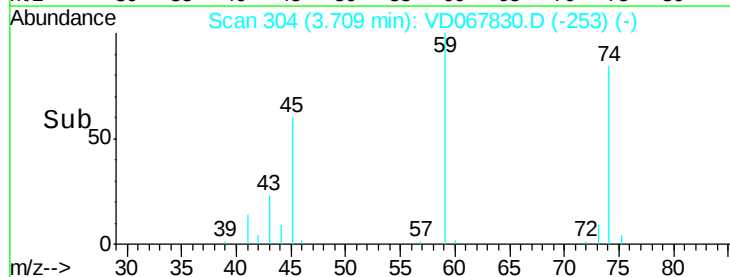
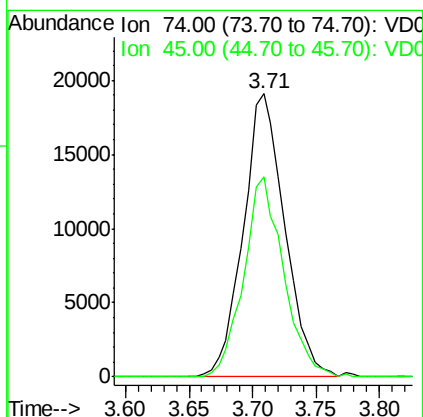
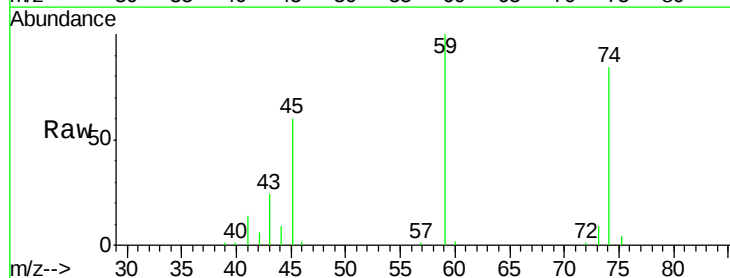
MMDadoda
12/2/2020 12:24:00 PM

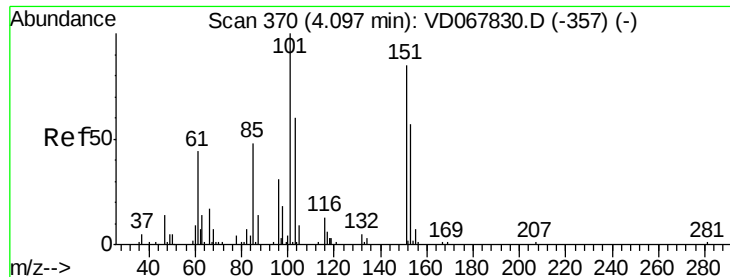


#8

Diethyl Ether
Concen: 46.800 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	67.8	33.9	101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.001 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

Instrument :

MSVOA_D

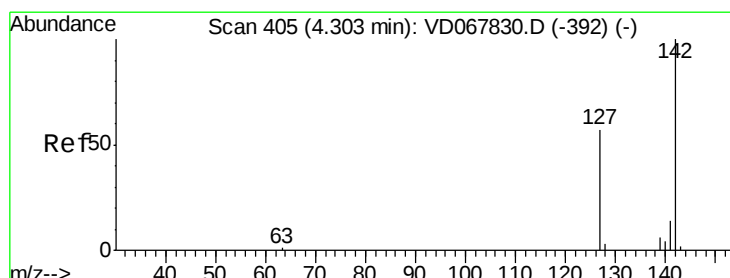
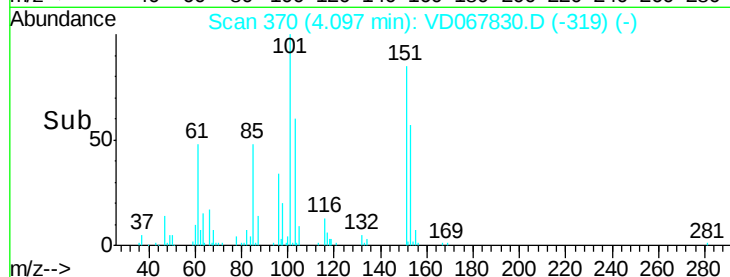
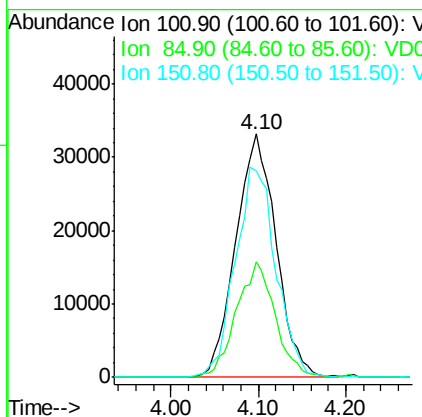
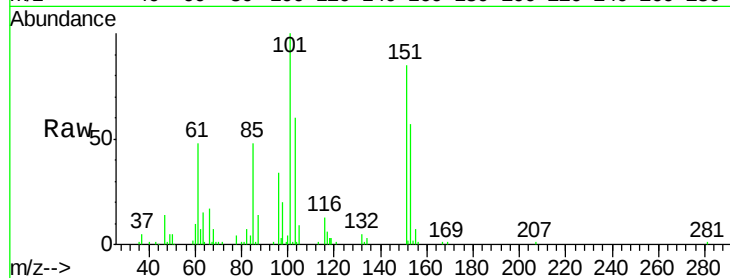
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	104209
Ion Ratio	Lower	Upper	
101	100		
85	45.3	36.2	54.4
151	86.8	69.4	104.2

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#10

Methyl Iodide

Concen: 51.793 ug/l

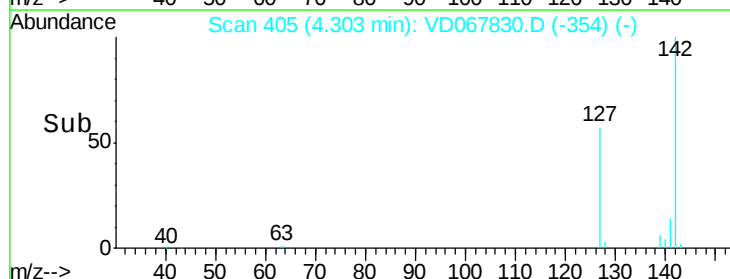
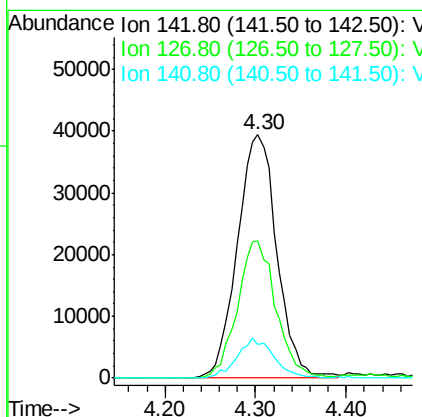
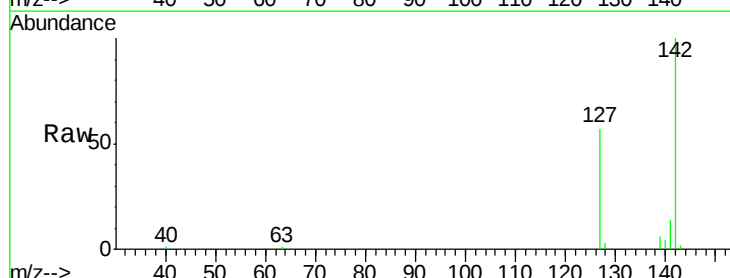
RT: 4.30 min Scan# 405

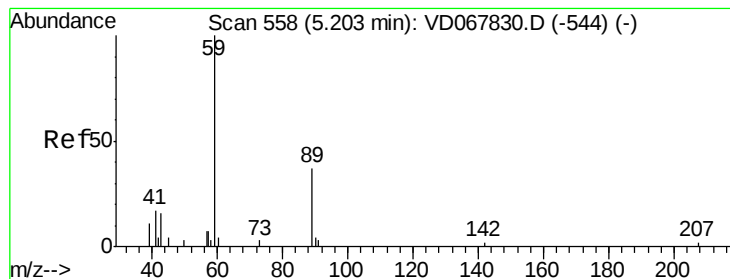
Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

Tgt Ion:	142	Resp:	119182
Ion Ratio	Lower	Upper	
142	100		
127	54.9	43.9	65.9
141	15.2	12.2	18.2





#11

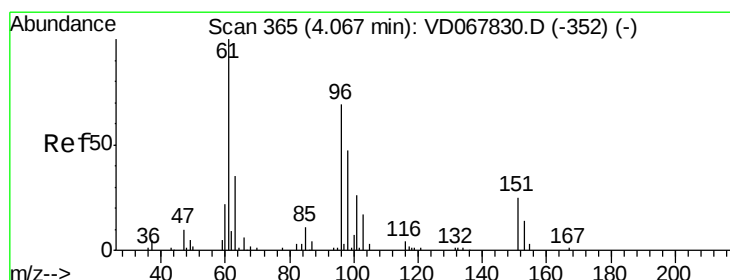
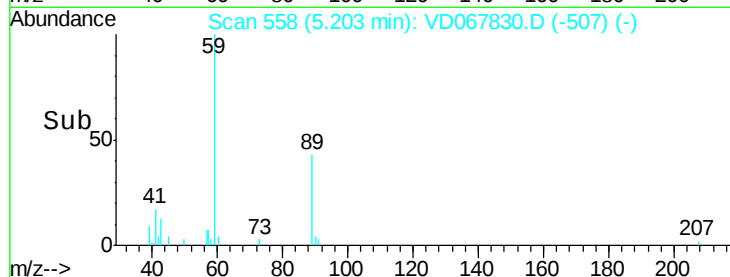
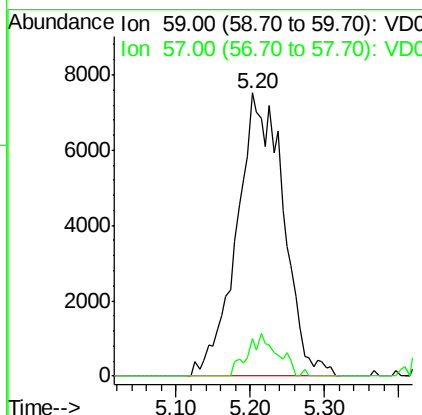
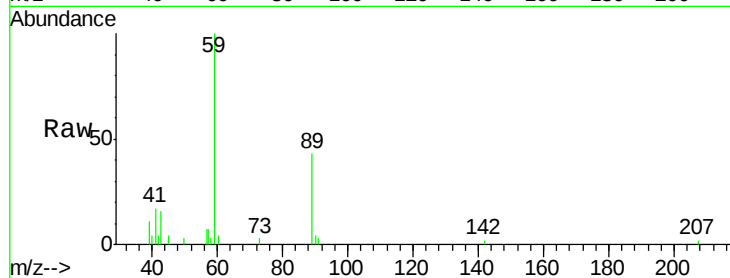
Tert butyl alcohol
Concen: 160.499 ug/l m
RT: 5.20 min Scan# 558
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	59	Resp	32804
Ion Ratio	100	Lower	Upper
57	9.6	7.7	11.5

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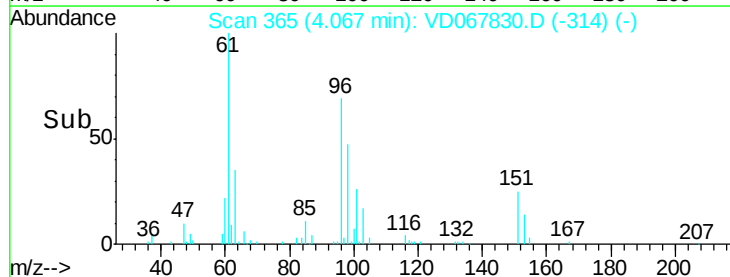
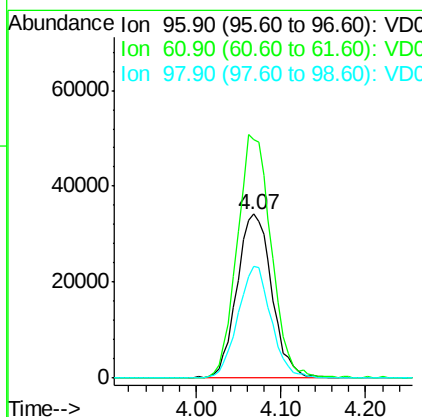
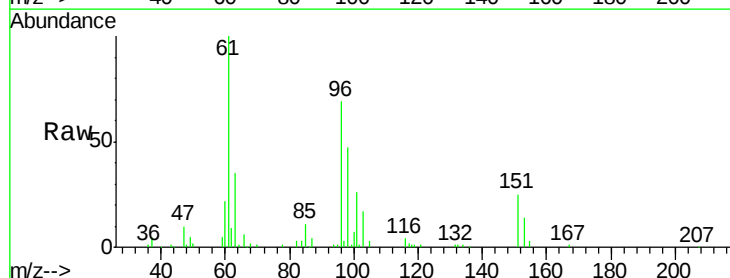
MMDadoda
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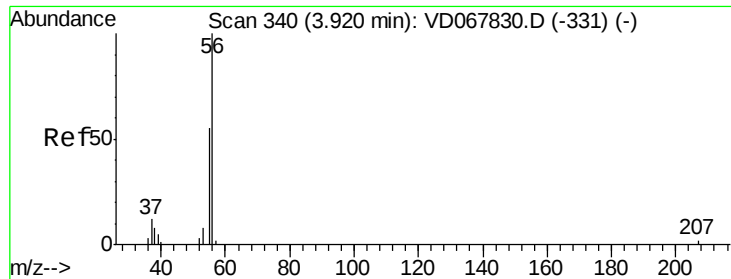


#12

1,1-Dichloroethene
Concen: 47.971 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Tgt Ion	96	Resp	97775
Ion Ratio	100	Lower	Upper
61	145.1	116.1	174.1
98	68.3	54.6	82.0





#13

Acrolein

Concen: 280.355 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 25675

Ion Ratio Lower Upper

56 100

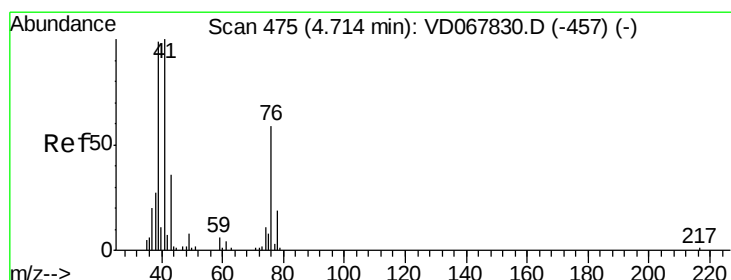
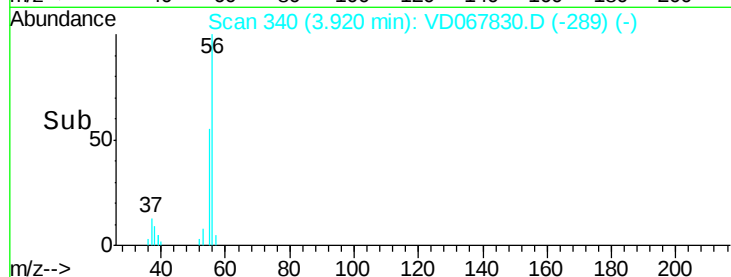
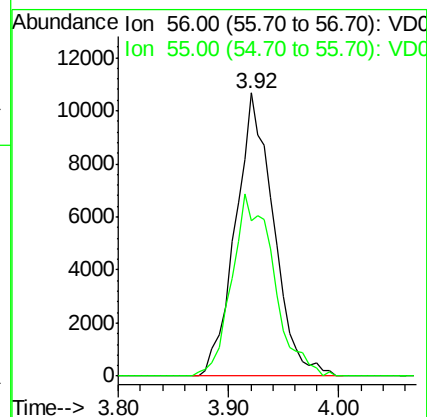
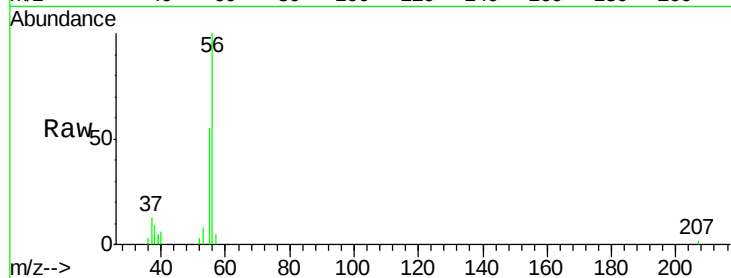
55 70.6 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 49.652 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

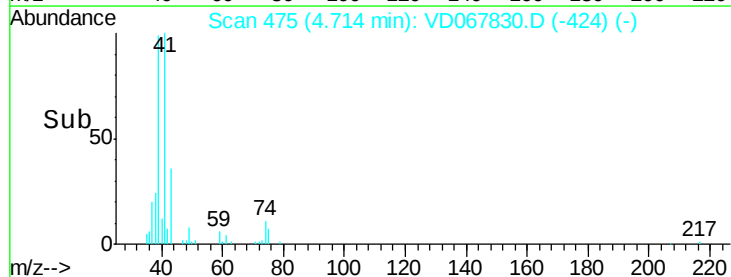
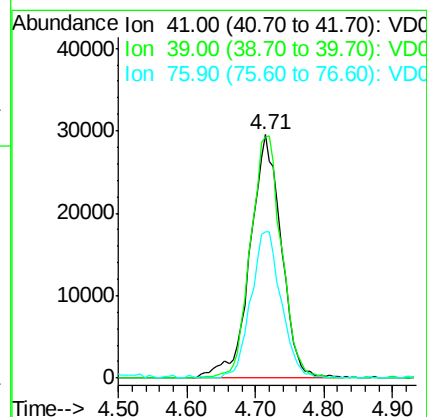
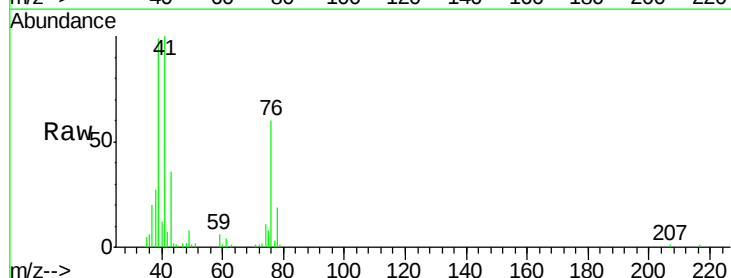
Tgt Ion: 41 Resp: 93622

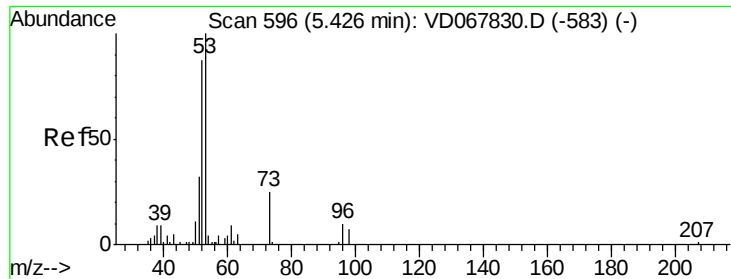
Ion Ratio Lower Upper

41 100

39 98.8 79.0 118.6

76 58.3 46.6 70.0





#15

Acrylonitrile

Concen: 250.667 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

Instrument :

MSVOA_D

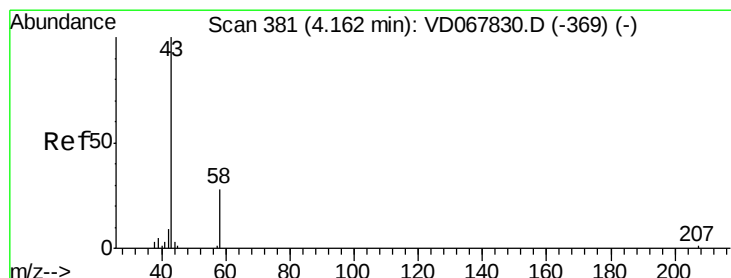
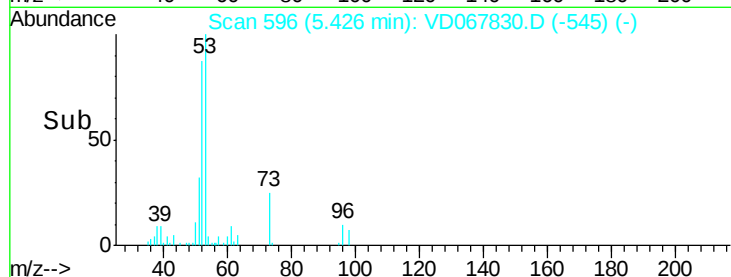
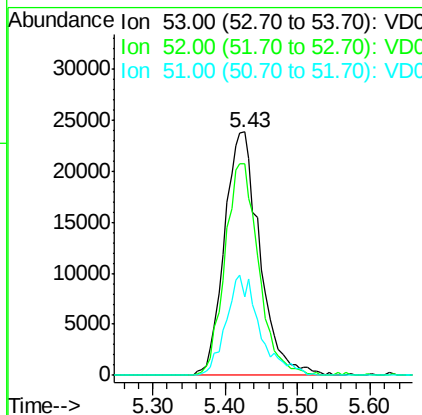
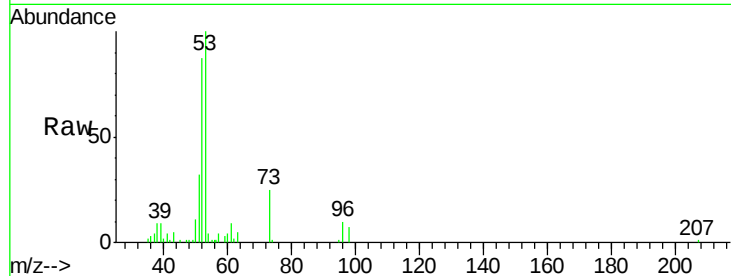
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	80654
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.2	99.2
51	38.9	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 276.873 ug/l

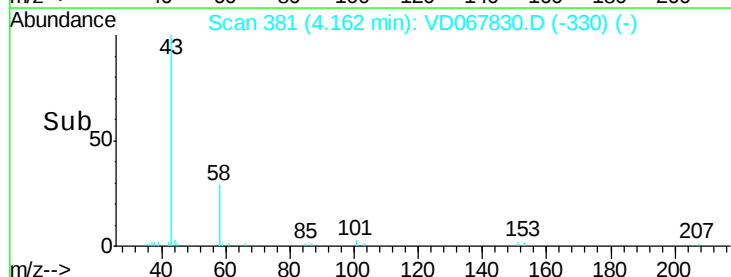
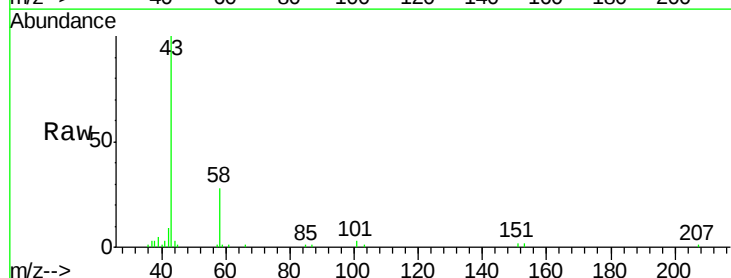
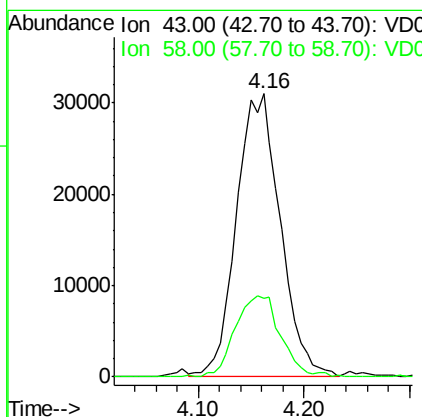
RT: 4.16 min Scan# 381

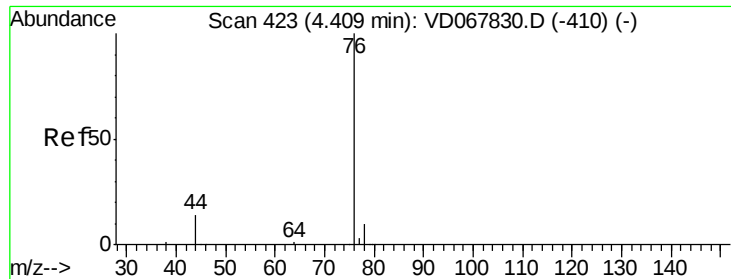
Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

Tgt Ion:	43	Resp:	89373
Ion Ratio	Lower	Upper	
43	100		
58	27.4	21.9	32.9





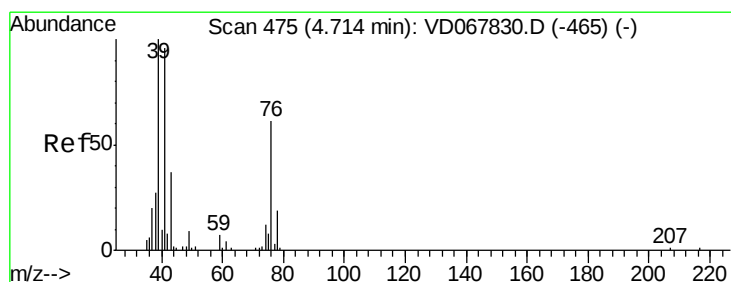
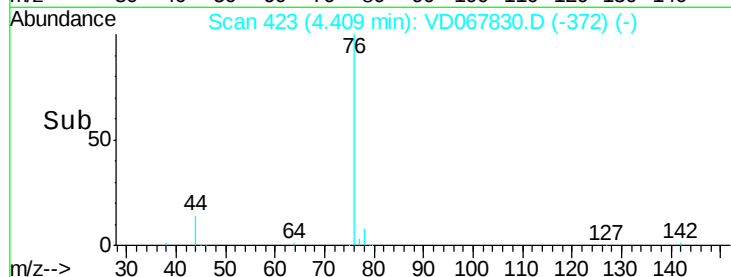
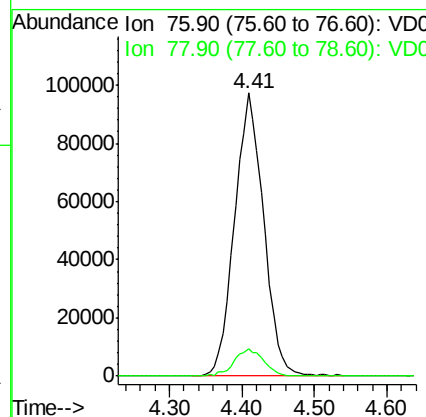
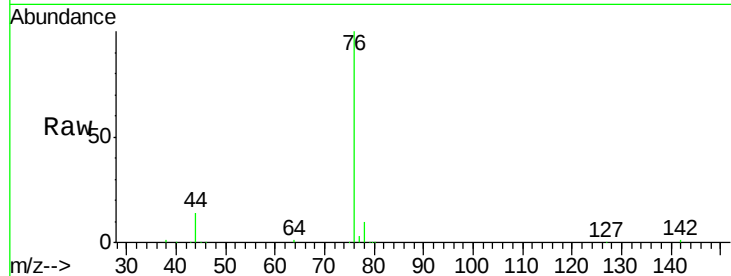
#17
Carbon Disulfide
Concen: 47.627 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 271026
Ion Ratio Lower Upper
76 100
78 9.7 7.8 11.6

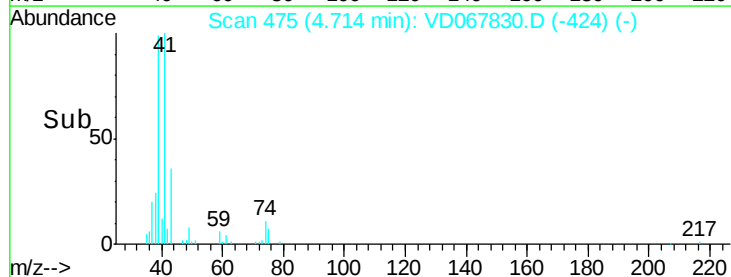
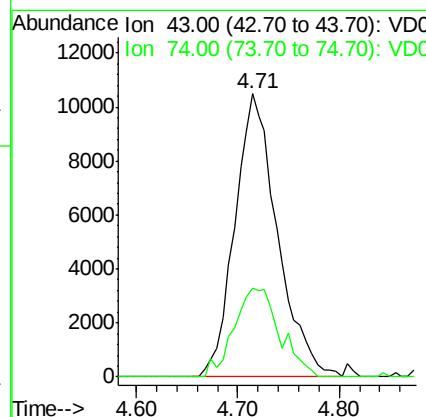
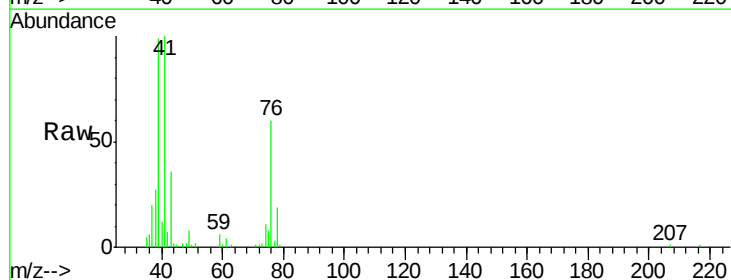
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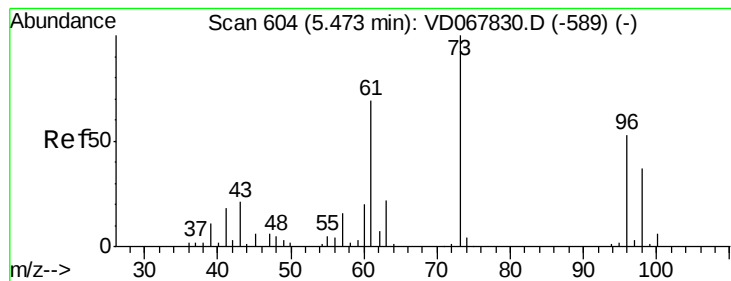
MMDadoda
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#18
Methyl Acetate
Concen: 46.097 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Tgt Ion: 43 Resp: 30596
Ion Ratio Lower Upper
43 100
74 33.7 27.0 40.4





#19

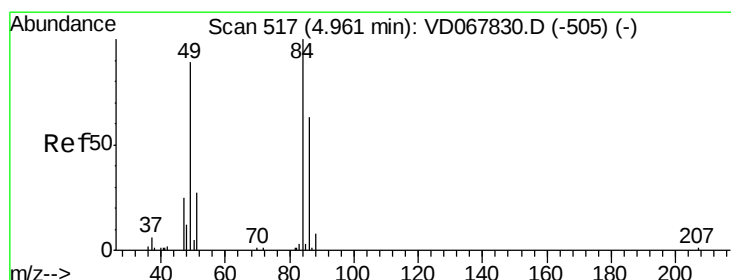
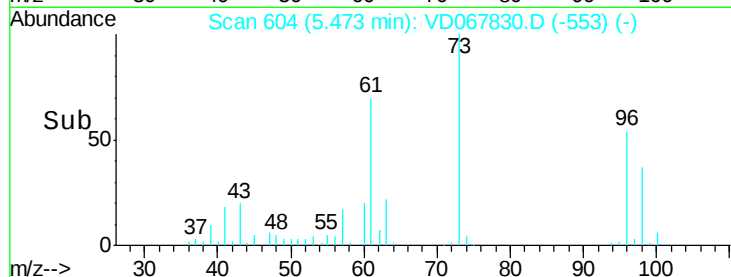
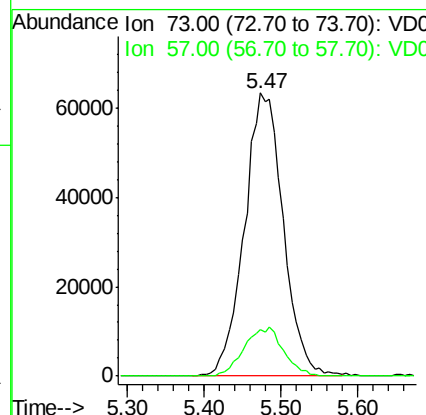
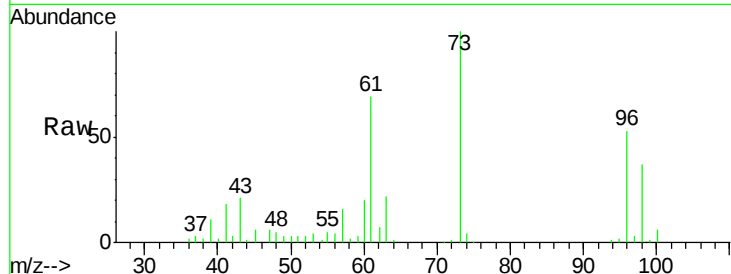
Methyl tert-butyl Ether
 Concen: 51.175 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VD067830.D
 Acq: 01 Dec 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.5	13.2	19.8

Manual Integrations
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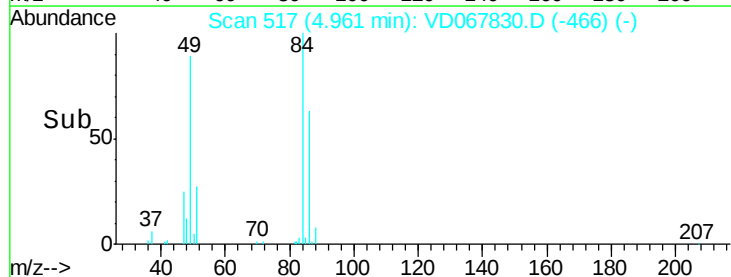
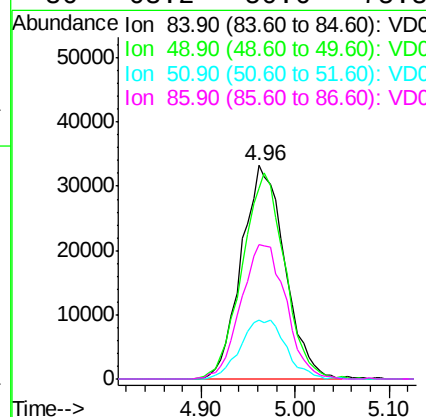
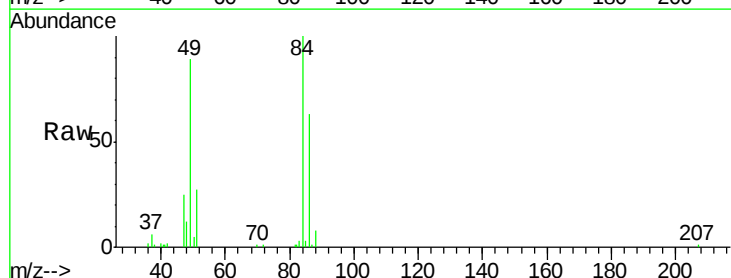
MMDadoda
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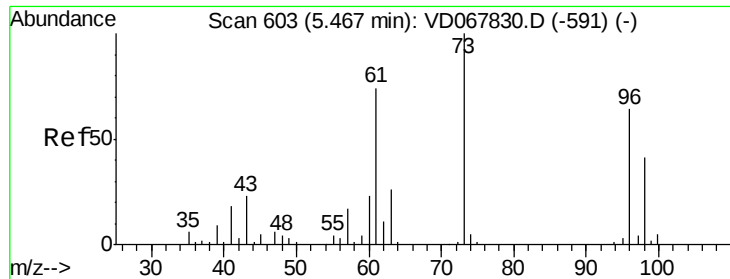


#20

Methylene Chloride
 Concen: 42.947 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD067830.D
 Acq: 01 Dec 2020 11:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	89.2	71.4	107.0
51	27.3	21.8	32.8
86	63.2	50.6	75.8





#21

trans-1,2-Dichloroethene

Concen: 48.496 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 112479

Ion Ratio Lower Upper

96 100

61 116.4 93.1 139.7

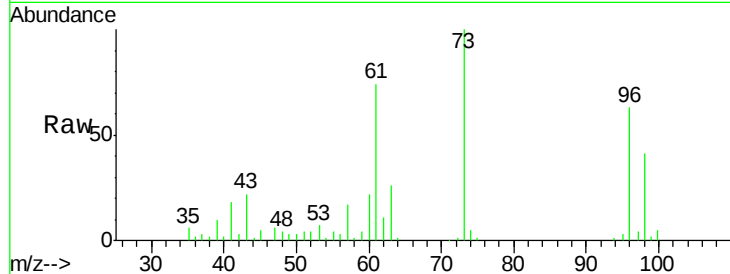
98 65.2 52.2 78.2

Manual Integrations

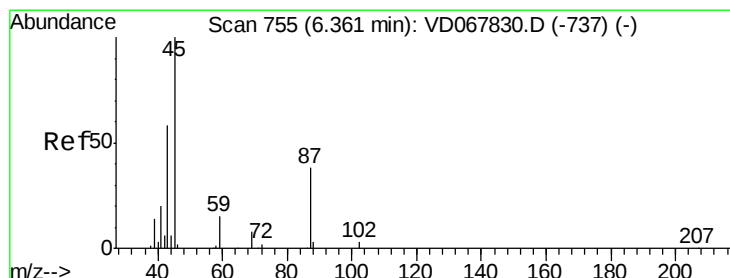
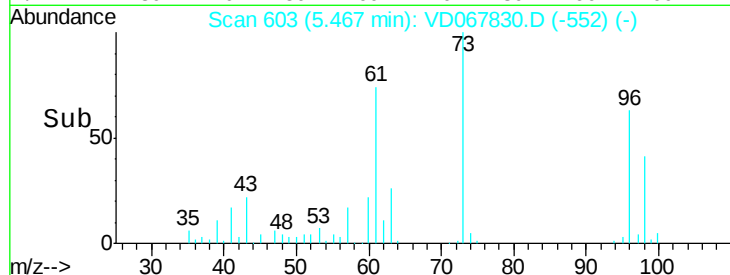
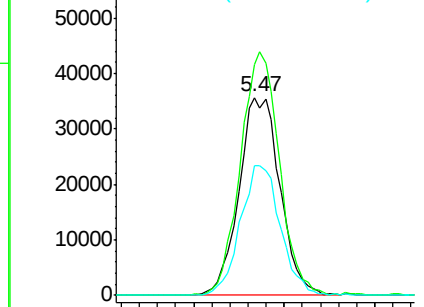
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 50.209 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

Tgt Ion: 45 Resp: 190411

Ion Ratio Lower Upper

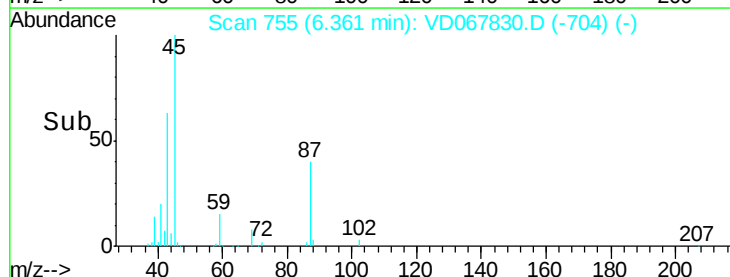
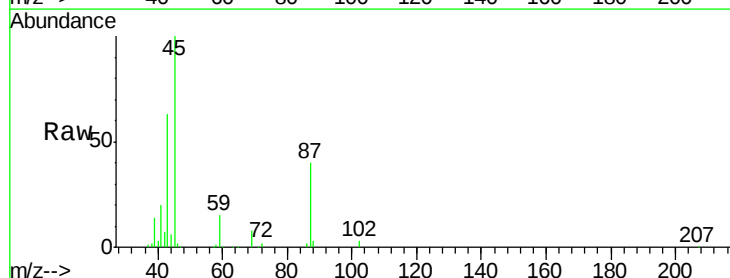
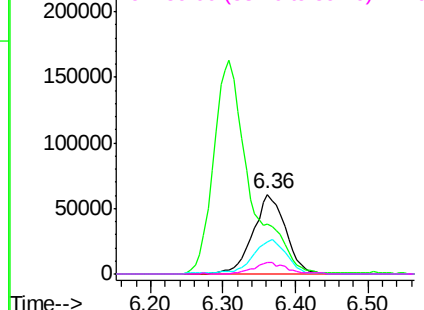
45 100

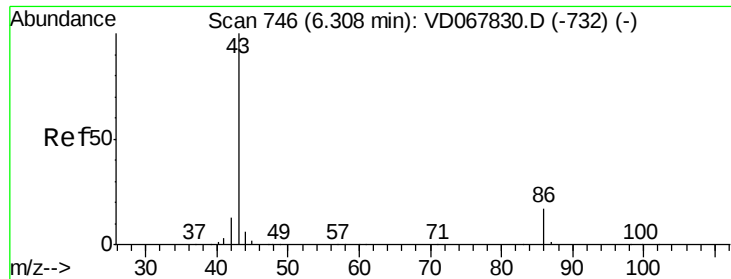
43 62.2 49.8 74.6

87 40.1 32.1 48.1

59 14.9 11.9 17.9

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





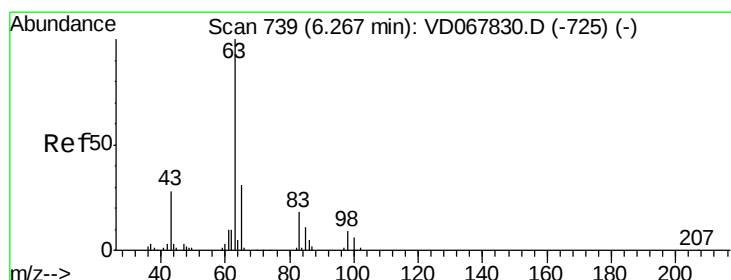
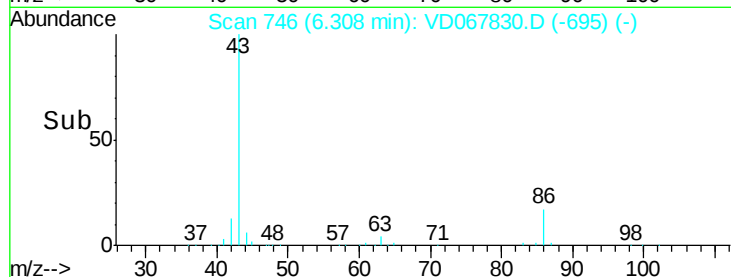
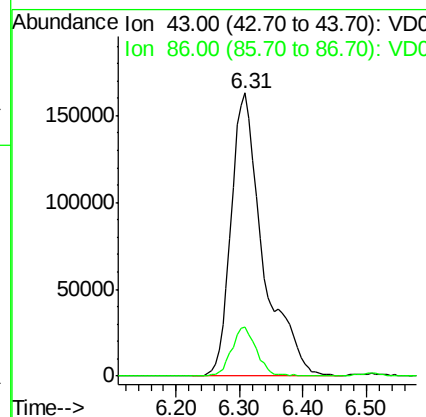
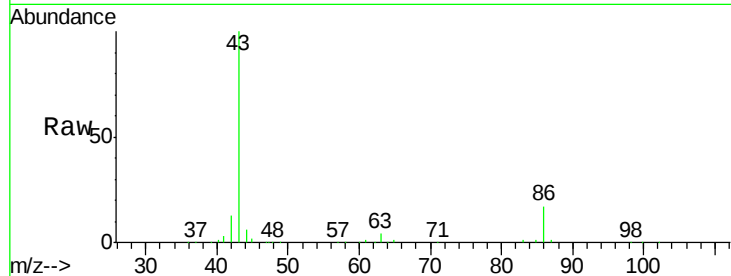
#23
 Vinyl Acetate
 Concen: 268.305 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VD067830.D
 Acq: 01 Dec 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	43	Resp	566054
Ion Ratio	100	Lower	Upper
43	100		
86	17.2	13.8	20.6

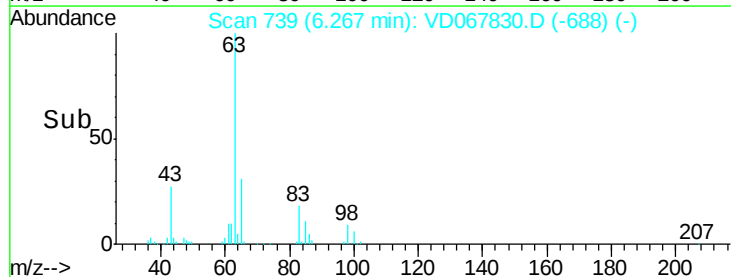
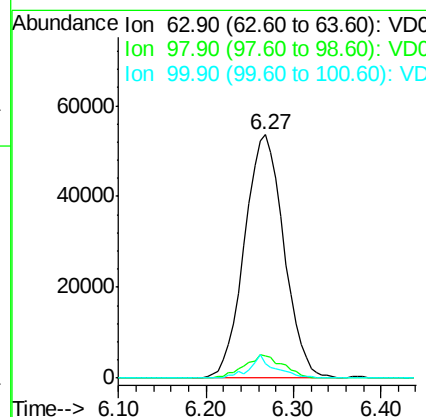
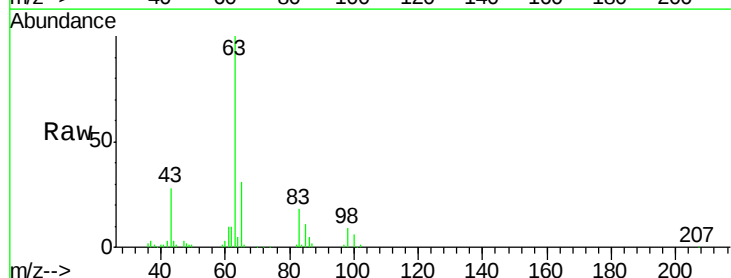
Manual Integrations
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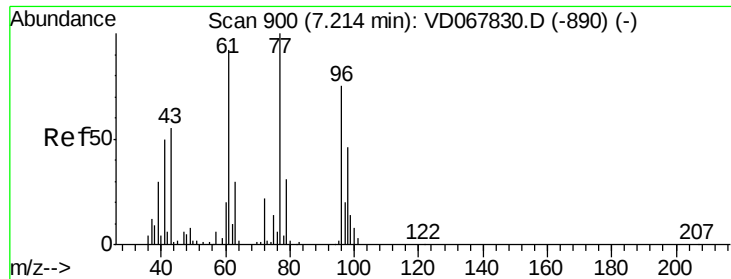
MMDadoda
 12/2/2020 12:24:00 PM



#24
 1,1-Dichloroethane
 Concen: 49.628 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD067830.D
 Acq: 01 Dec 2020 11:55

Tgt Ion	63	Resp	164980
Ion Ratio	100	Lower	Upper
63	100		
98	9.0	4.5	13.5
100	6.1	3.0	9.2





#25

2-Butanone

Concen: 261.045 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 89590

Ion Ratio Lower Upper

43 100

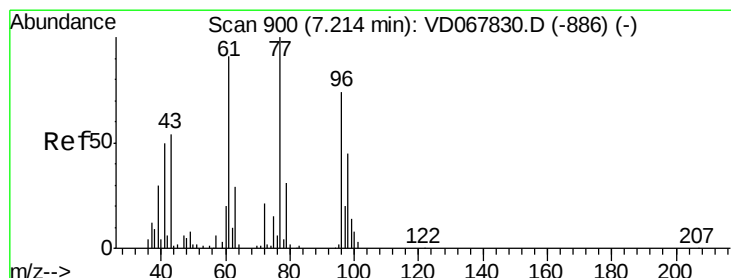
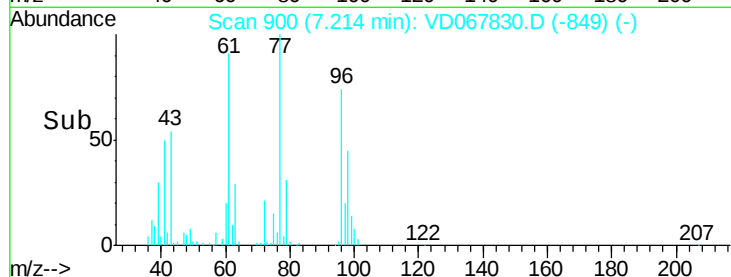
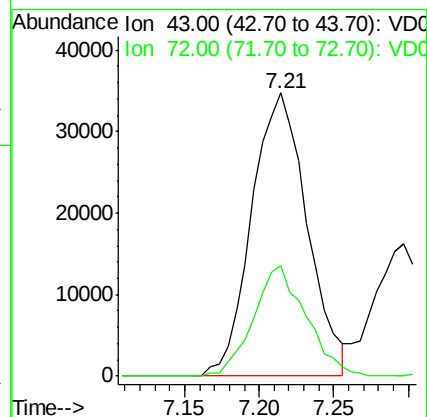
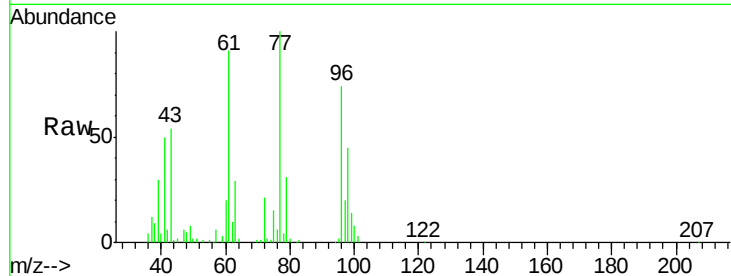
72 39.1 31.3 46.9

Manual Integrations

APPROVED

MMDadoda

12/2/2020 12:24:00 PM



#26

2,2-Dichloropropane

Concen: 47.815 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067830.D

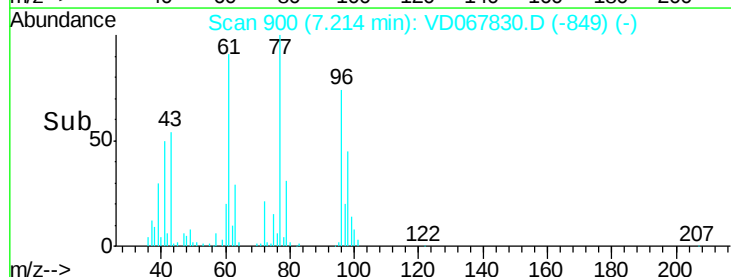
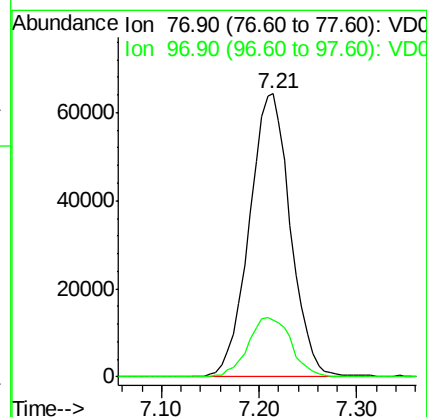
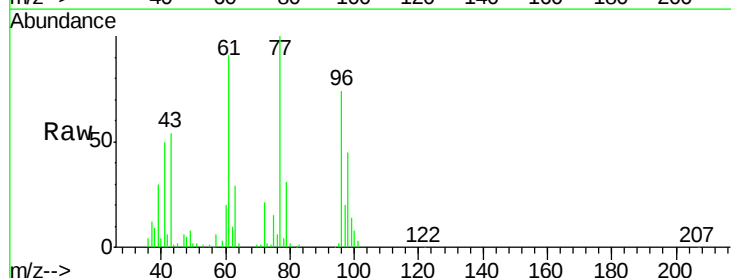
Acq: 01 Dec 2020 11:55

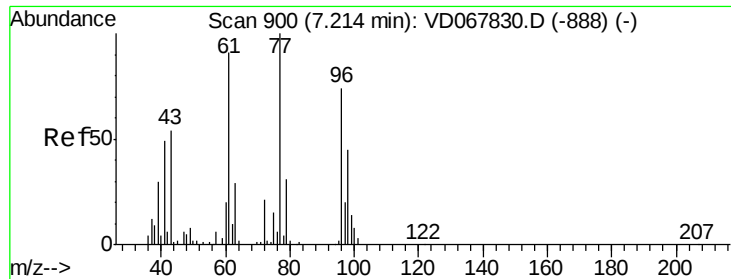
Tgt Ion: 77 Resp: 189547

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.1





#27

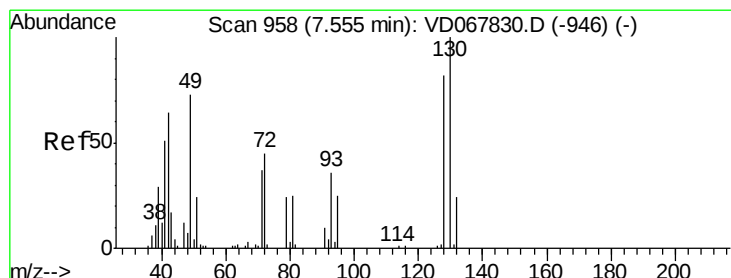
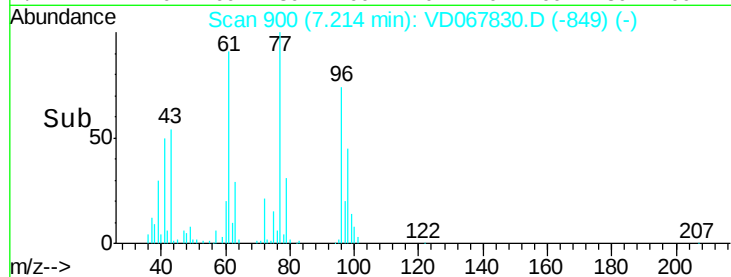
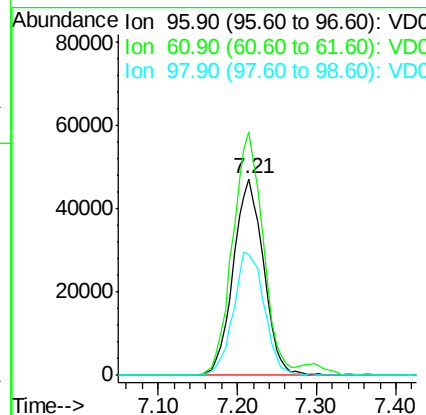
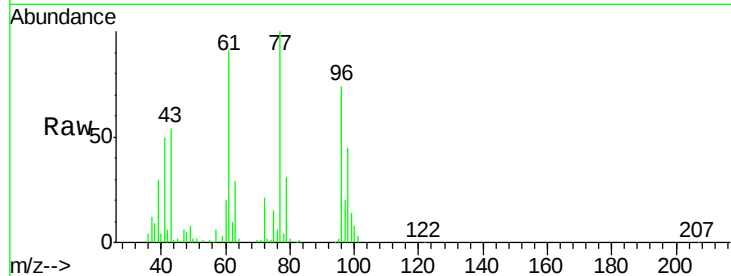
cis-1,2-Dichloroethene
Concen: 49.189 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	124784		
61	124.2	0.0	248.4	
98	63.7	0.0	127.4	

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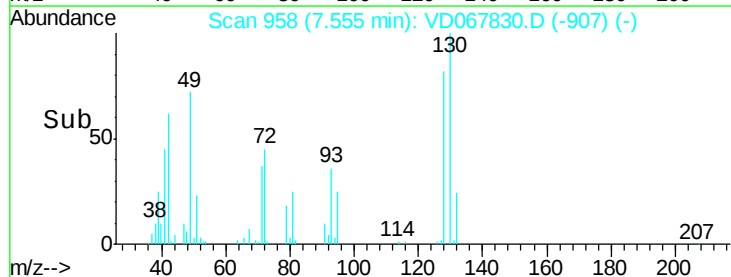
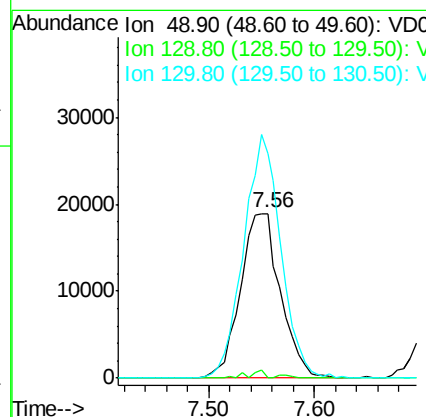
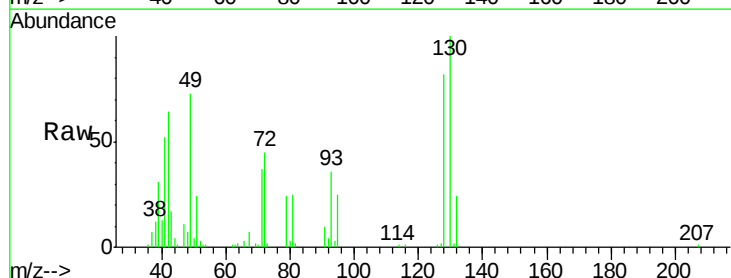
MMDadoda
12/2/2020 12:24:00 PM

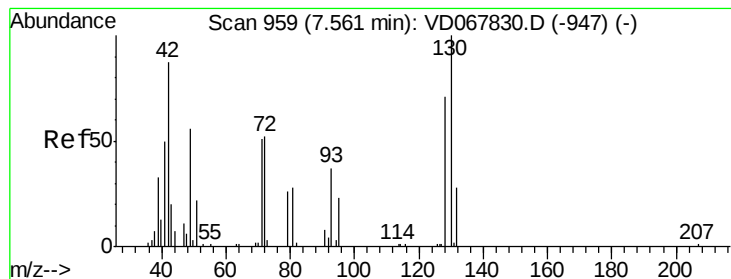


#28

Bromochloromethane
Concen: 47.163 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	49779		
129	1.7	0.0	3.4	
130	137.7	110.2	165.2	





#29

Tetrahydrofuran

Concen: 283.275 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

Instrument :

MSVOA_D

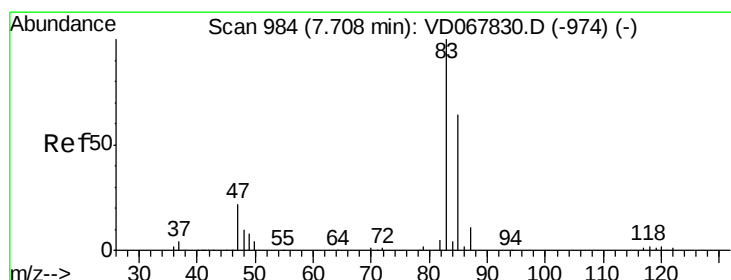
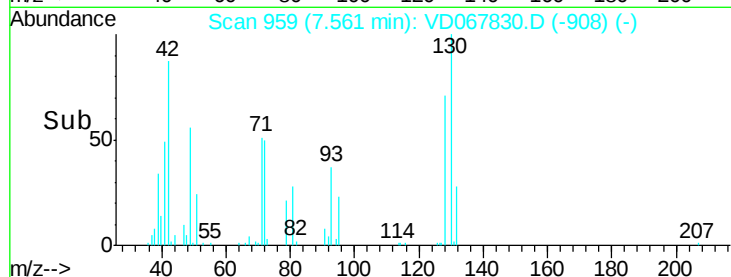
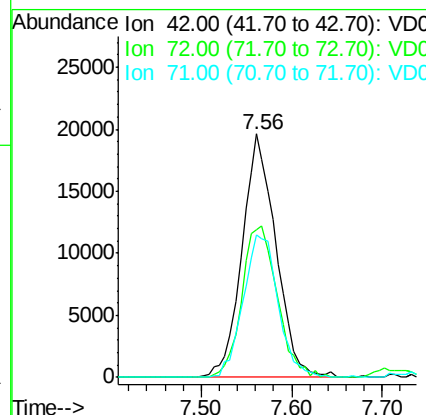
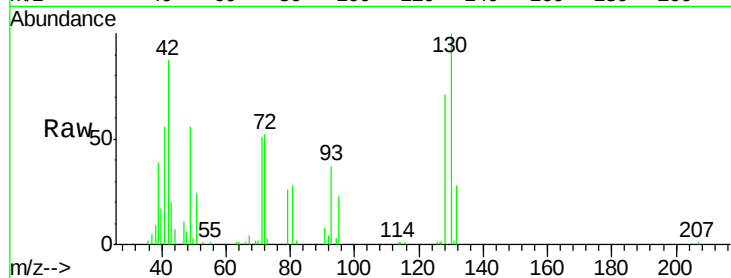
ClientSampleId :

VSTDICCC050

Tot Ion:	42	Resp:	50891
Ion Ratio	Lower	Upper	
42	100		
72	64.9	51.9	77.9
71	60.3	48.2	72.4

Manual Integrations
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12/2/2020 12:24:00 PM



#30

Chloroform

Concen: 48.177 ug/l

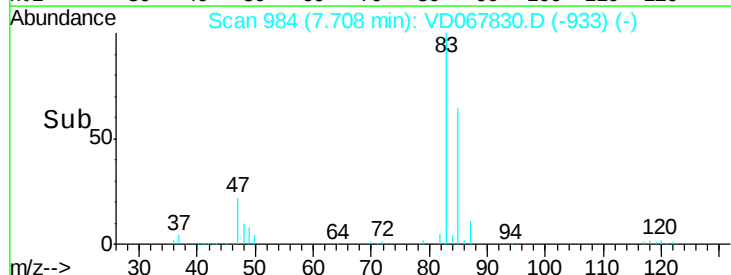
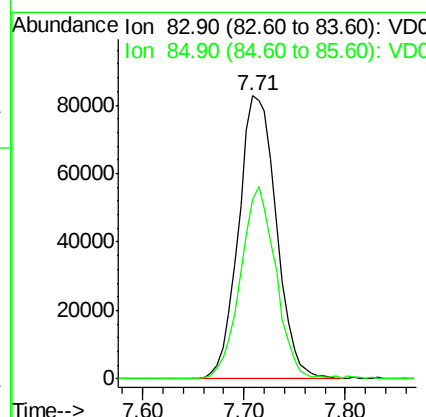
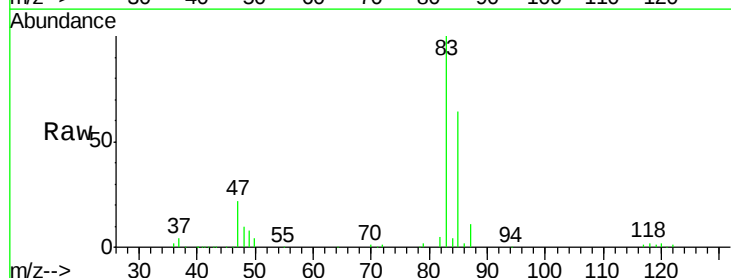
RT: 7.71 min Scan# 984

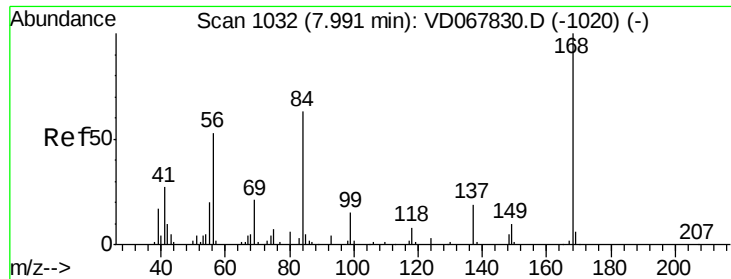
Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

Tgt Ion:	83	Resp:	214035
Ion Ratio	Lower	Upper	
83	100		
85	63.7	51.0	76.4





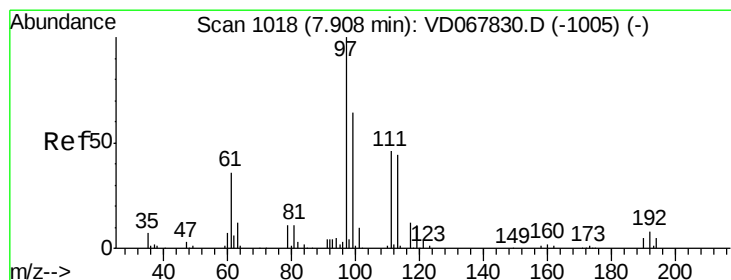
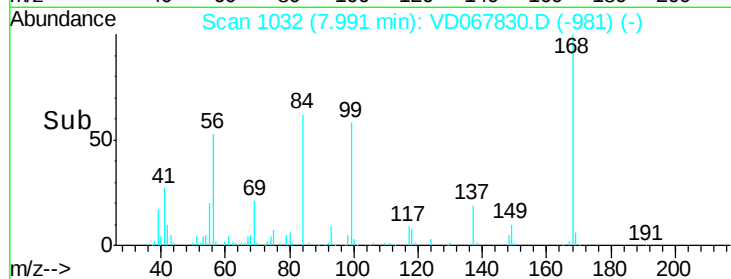
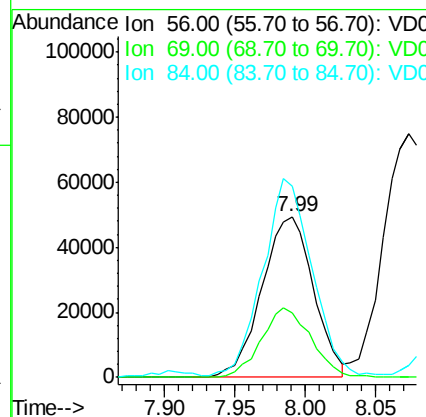
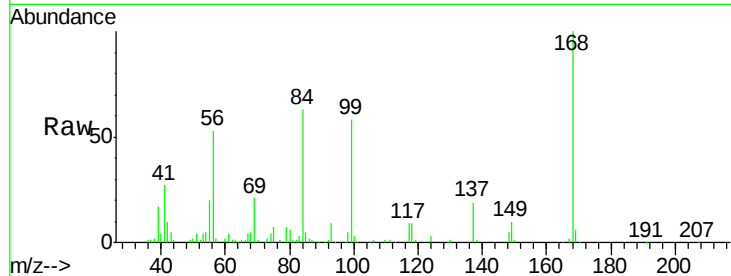
#31
Cyclohexane
Concen: 45.197 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.1	32.1	48.1
84	116.5	93.2	139.8

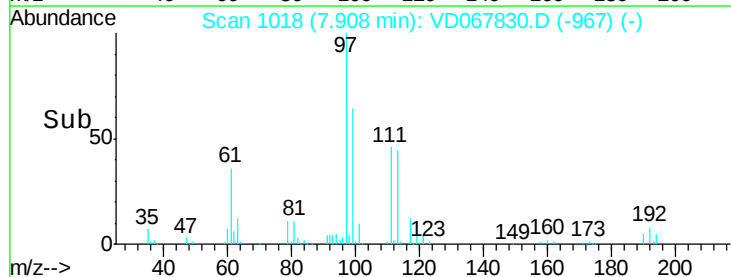
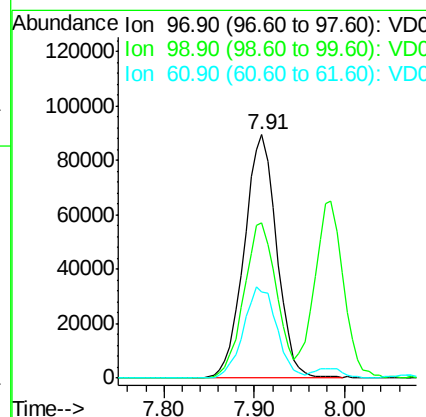
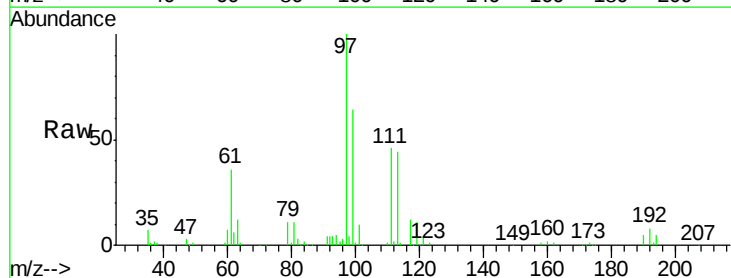
Manual Integrations
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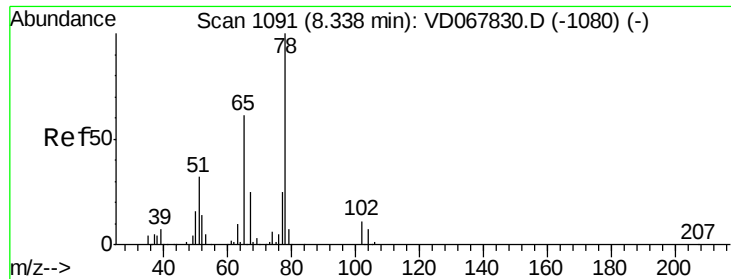
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 47.582 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	38.5	30.8	46.2





#33

1,2-Dichloroethane-d4

Concen: 50.413 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 133120

Ion Ratio Lower Upper

65 100

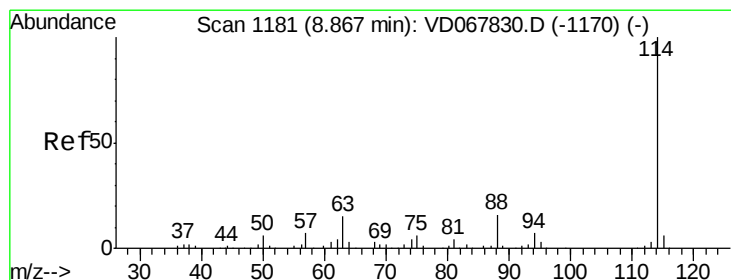
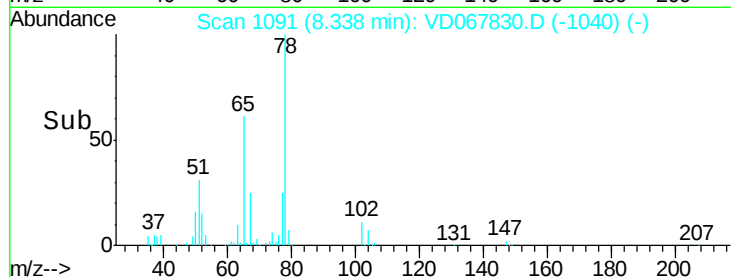
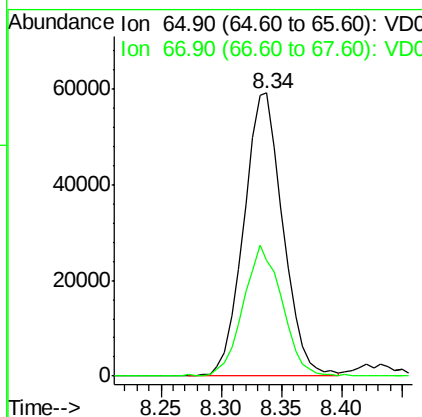
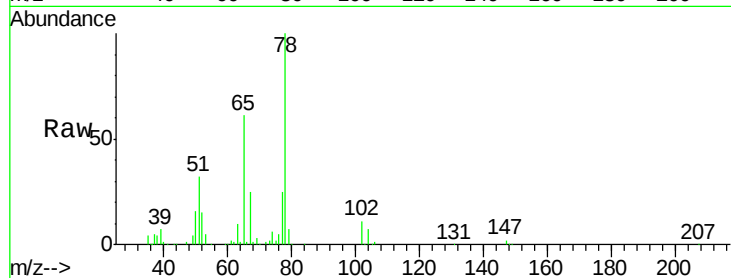
67 46.0 0.0 92.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

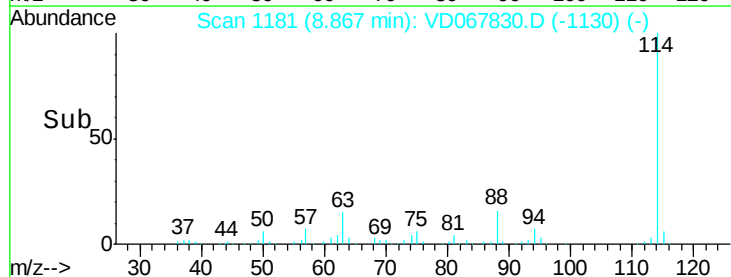
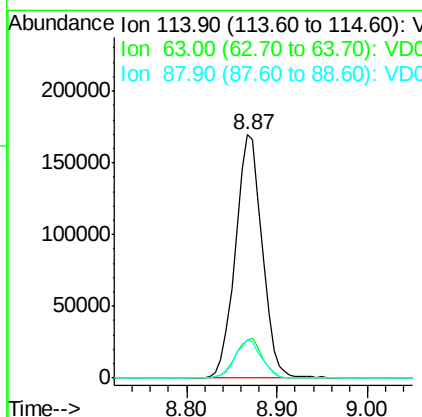
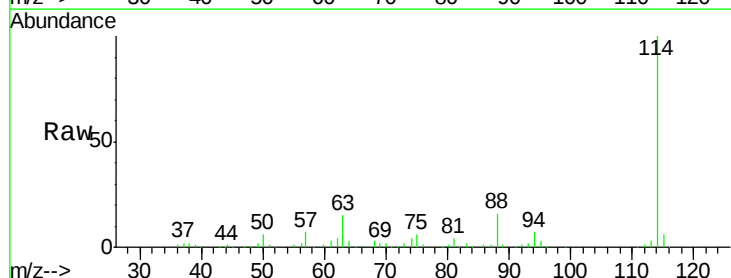
Tgt Ion: 114 Resp: 348773

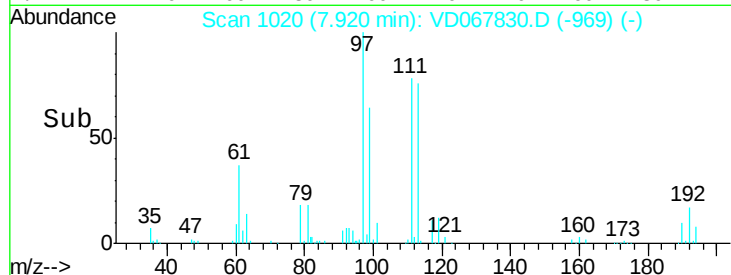
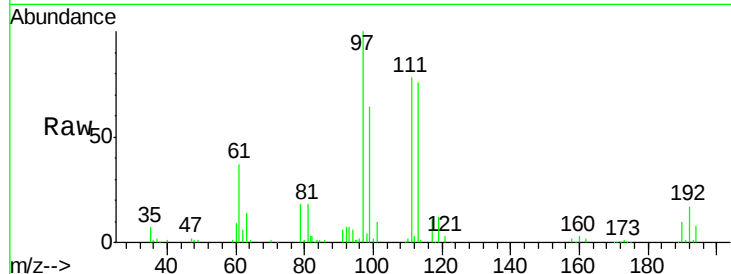
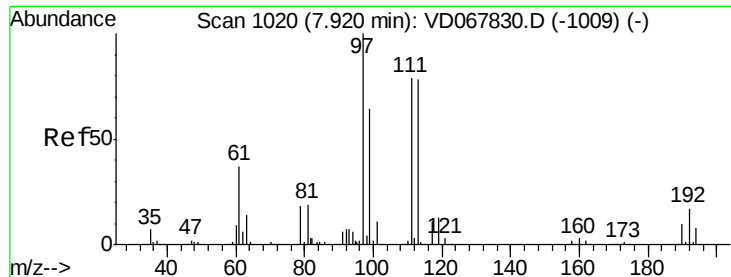
Ion Ratio Lower Upper

114 100

63 15.4 0.0 30.8

88 15.9 0.0 31.8





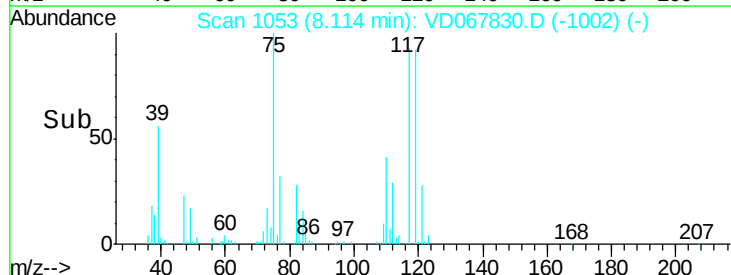
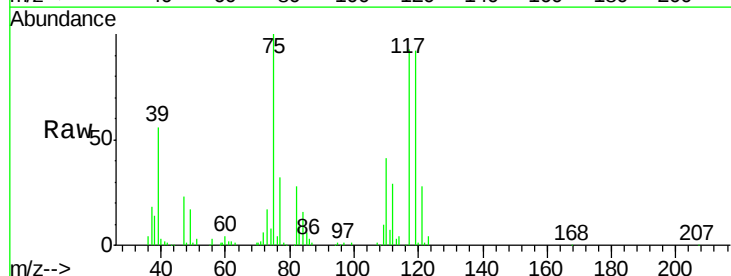
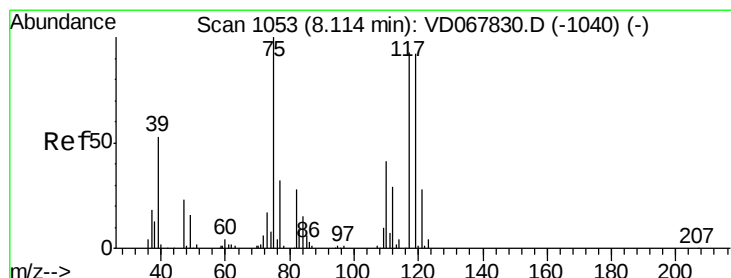
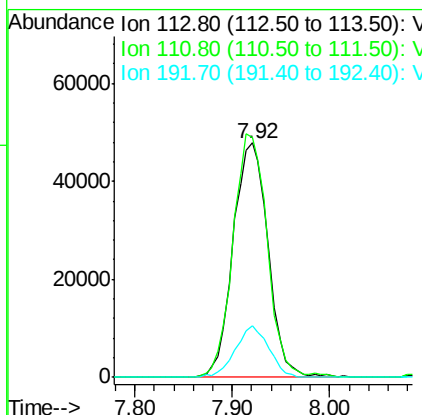
#35
Dibromofluoromethane
Concen: 51.151 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Tot Ion	Ratio	Resp	Lower	Upper
113	100	119376		
111	101.5	81.2	121.8	
192	21.0	16.8	25.2	

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

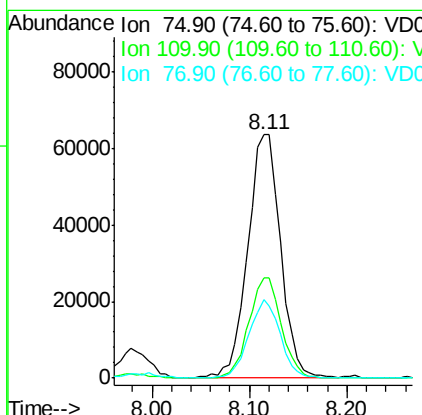
Manual Integrations
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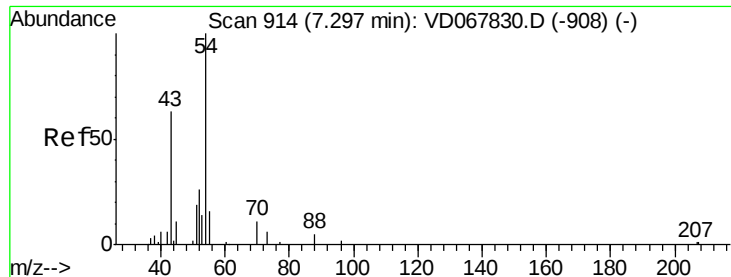
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12/2/2020 12:24:00 PM



#36
1,1-Dichloropropene
Concen: 49.624 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	149831		
110	40.7	20.3	61.0	
77	30.9	24.7	37.1	





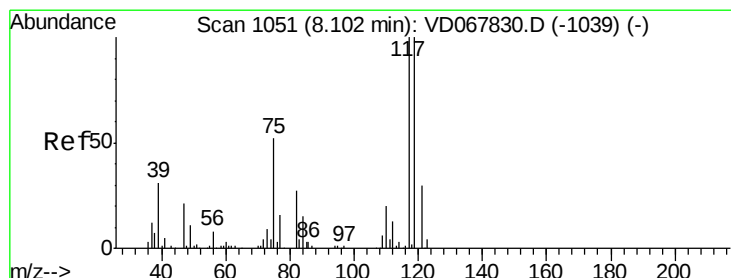
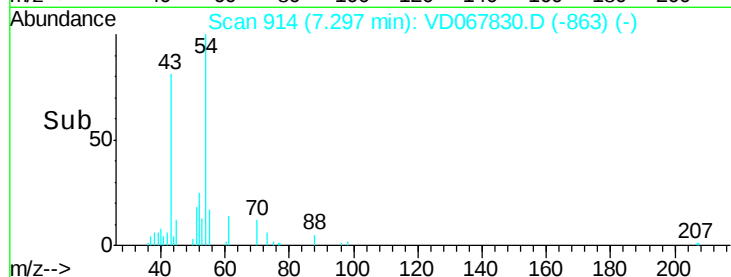
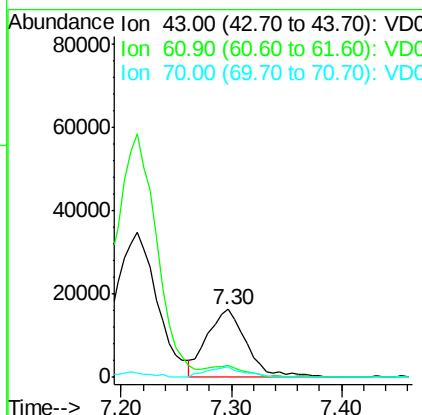
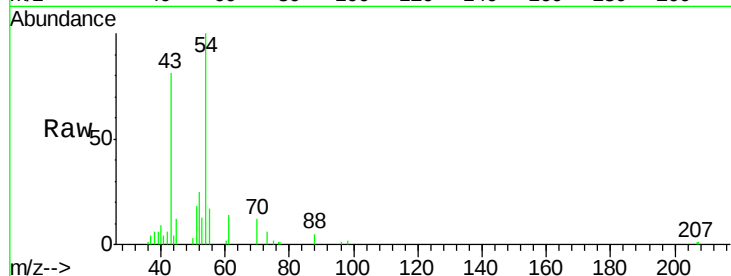
#37
Ethyl Acetate
Concen: 57.252 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.4	17.2
70	14.4	11.5	17.3

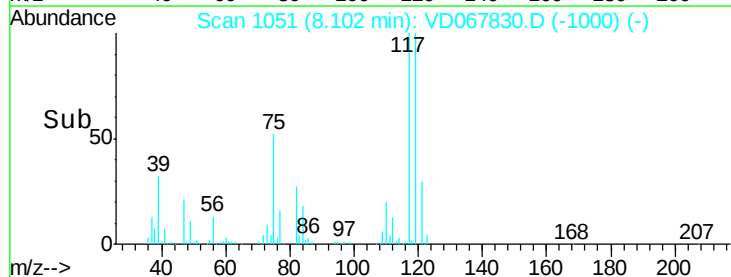
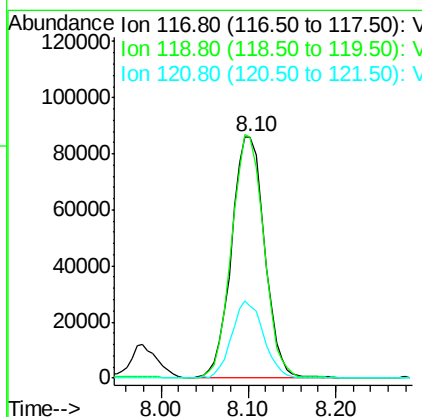
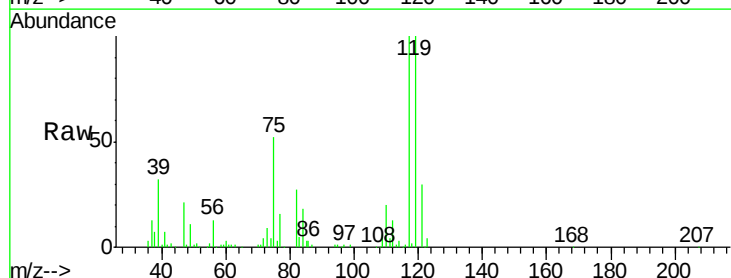
Manual Integrations
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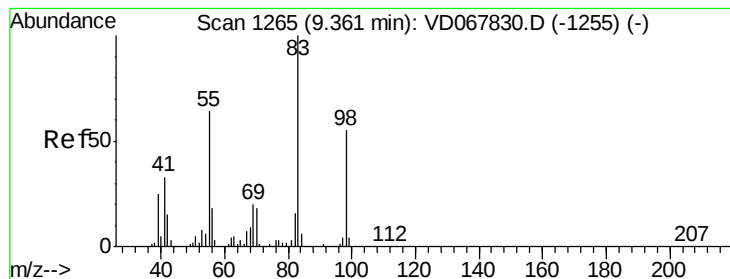
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12/2/2020 12:24:00 PM



#38
Carbon Tetrachloride
Concen: 48.302 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.6	79.7	119.5
121	29.7	23.8	35.6





#39

Methvlcvclohexane

Concen: 49.566 ug/l

RT: 9.36 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 177349

Ion Ratio Lower Upper

83 100

55 64.5 51.6 77.4

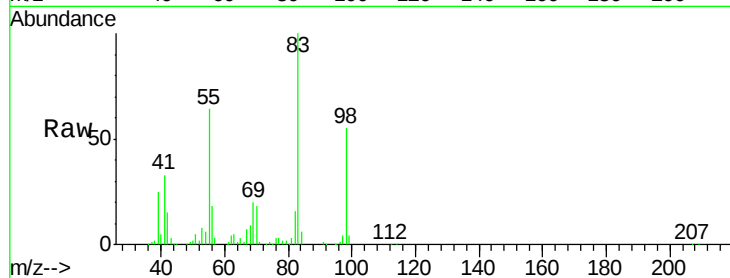
98 55.4 44.3 66.5

Manual Integrations

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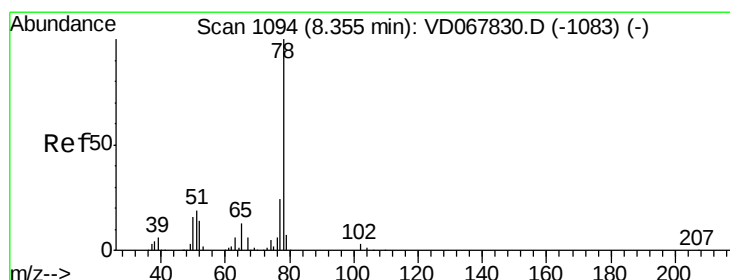
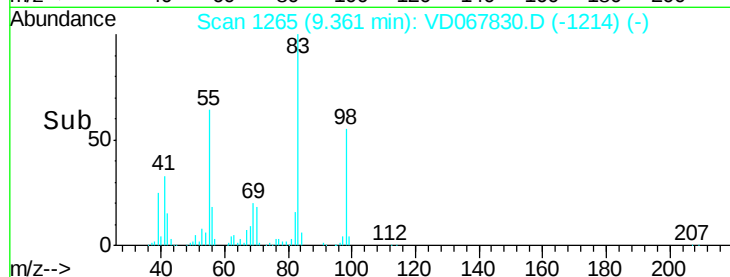
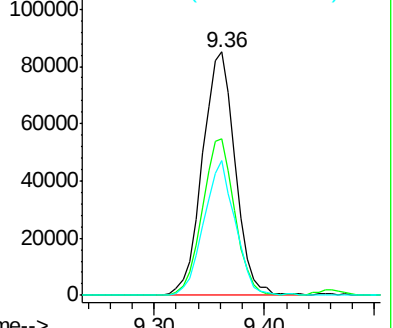
12/2/2020 12:24:00 PM



Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC



#40

Benzene

Concen: 49.082 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD067830.D

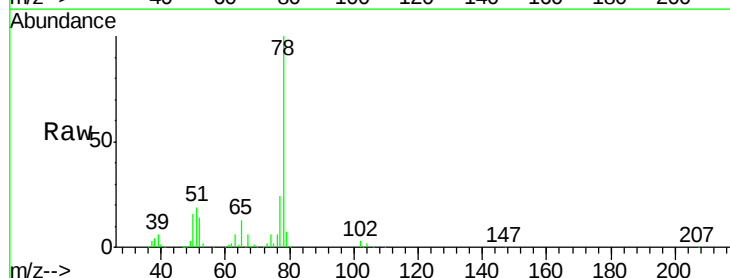
Acq: 01 Dec 2020 11:55

Tgt Ion: 78 Resp: 405500

Ion Ratio Lower Upper

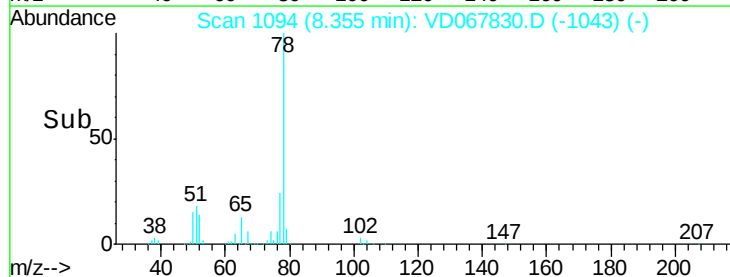
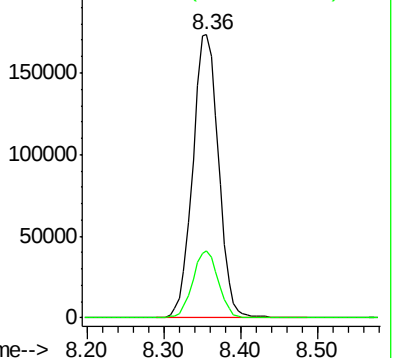
78 100

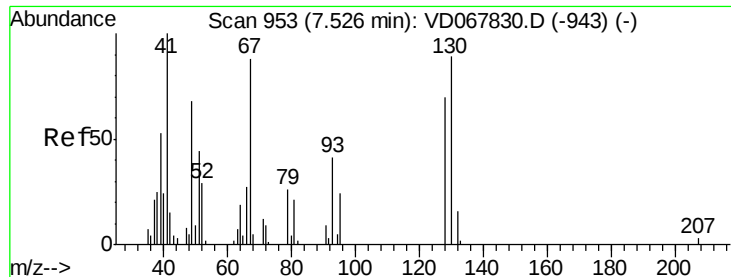
77 23.9 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 57.660 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 22813

Ion Ratio Lower Upper

41 100

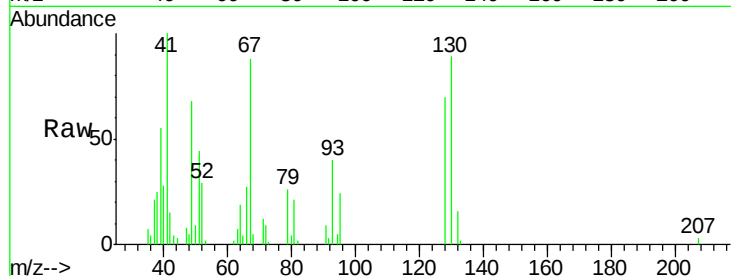
39 52.6 42.1 63.1

67 103.0 82.4 123.6

52 38.2 30.6 45.8

Manual Integrations
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12/2/2020 12:24:00 PM

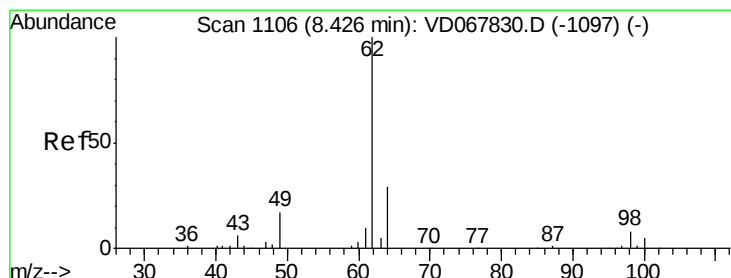
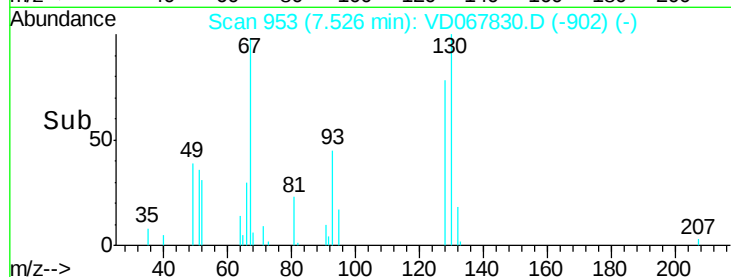
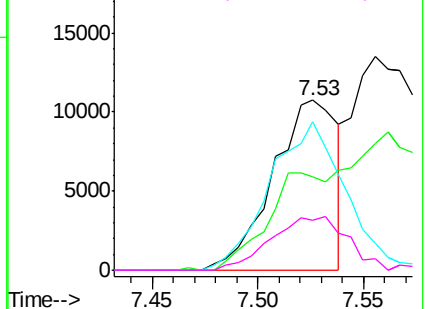


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 50.650 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067830.D

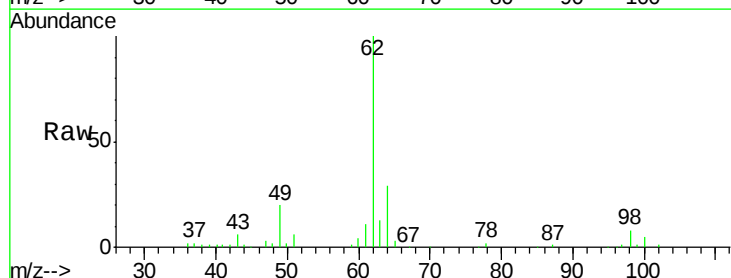
Acq: 01 Dec 2020 11:55

Tgt Ion: 62 Resp: 149139

Ion Ratio Lower Upper

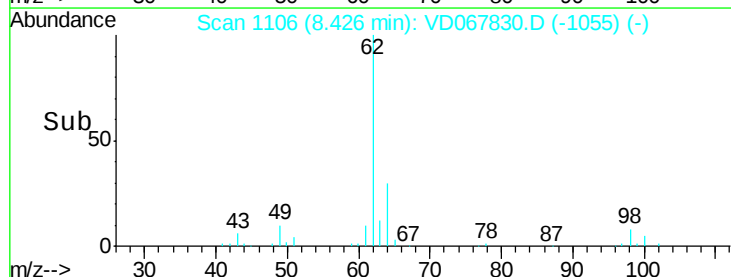
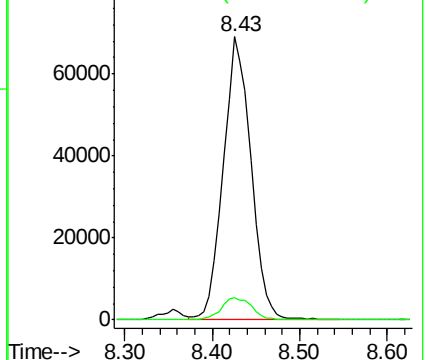
62 100

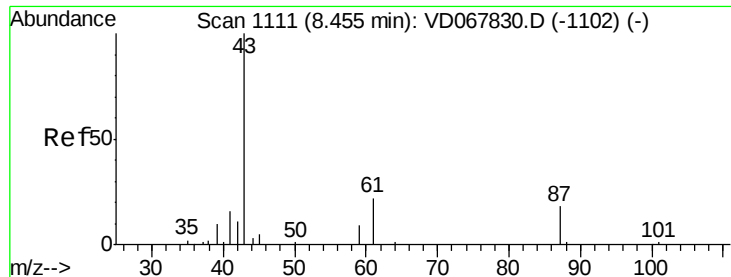
98 8.6 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 51.155 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

Instrument :

MSVOA_D

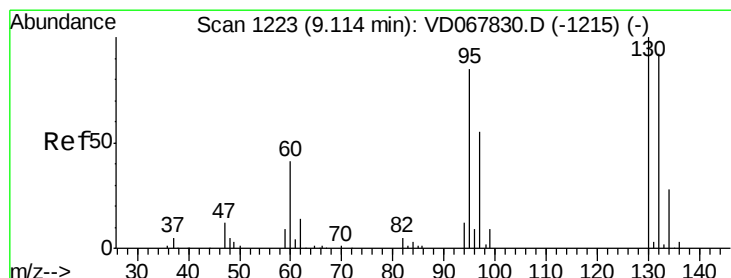
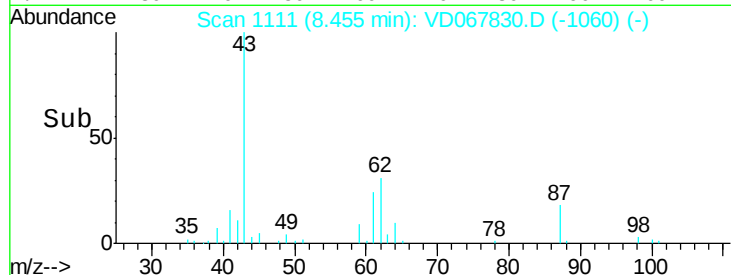
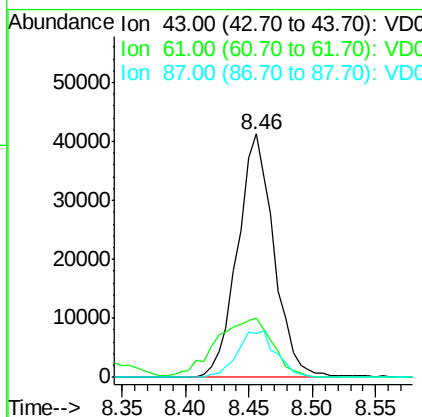
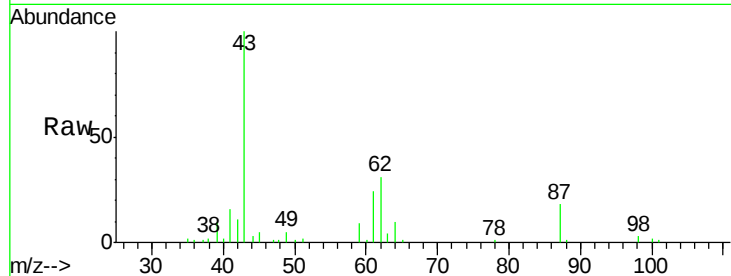
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	81906
Ion	Ratio	Lower	Upper
43	100		
61	38.0	30.4	45.6
87	20.2	16.2	24.2

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#44

Trichloroethene

Concen: 48.580 ug/l

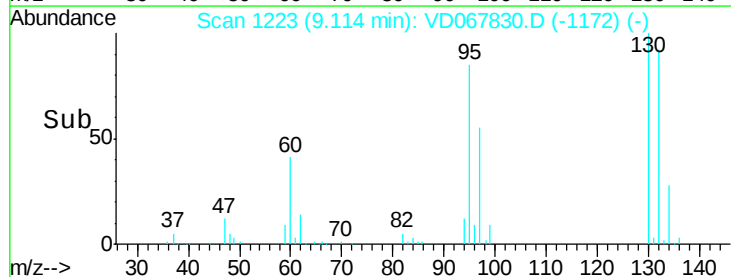
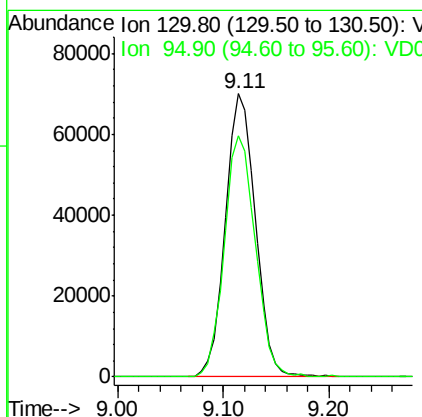
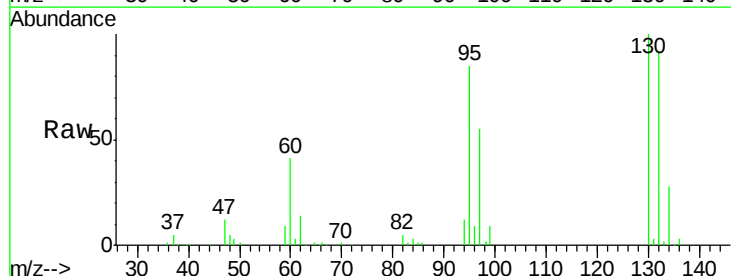
RT: 9.11 min Scan# 1223

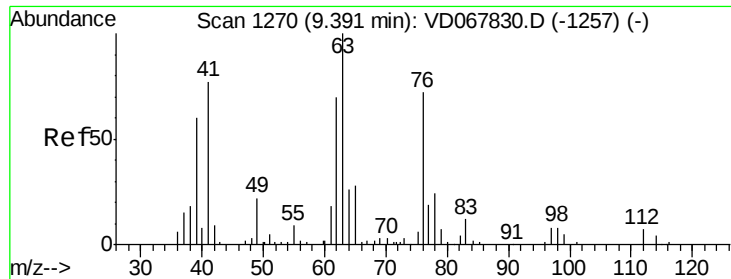
Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

Tgt Ion:	130	Resp:	137991
Ion	Ratio	Lower	Upper
130	100		
95	85.1	0.0	170.2





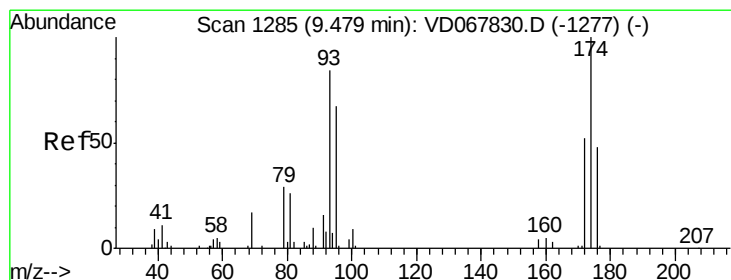
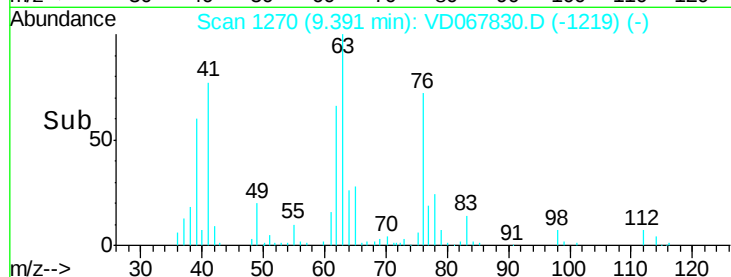
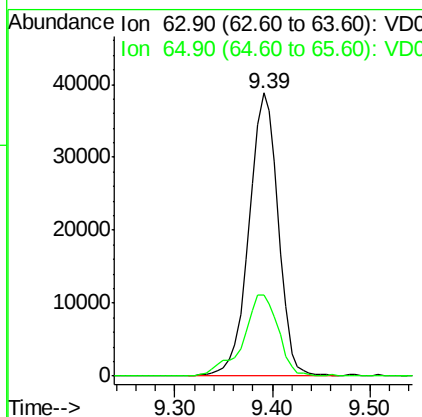
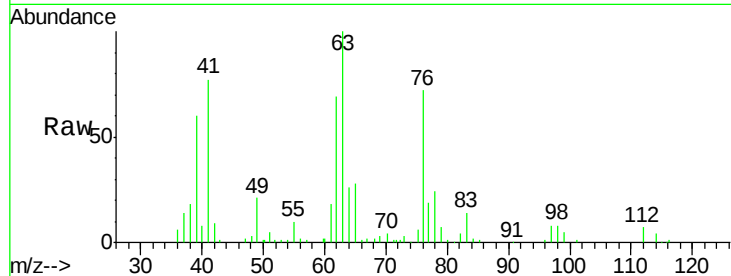
#45
 1,2-Dichloropropane
 Concen: 48.261 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067830.D
 Acq: 01 Dec 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 81834
 Ion Ratio Lower Upper
 63 100
 65 28.5 22.8 34.2

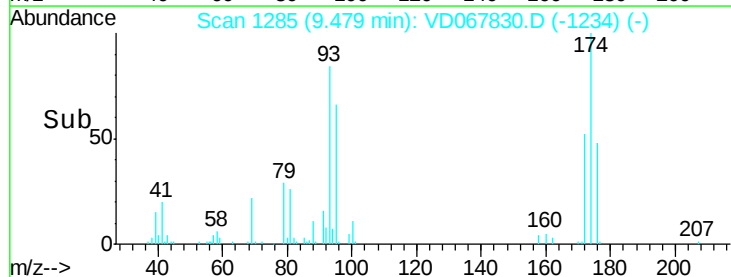
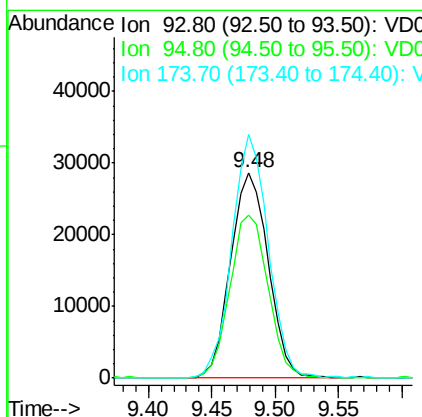
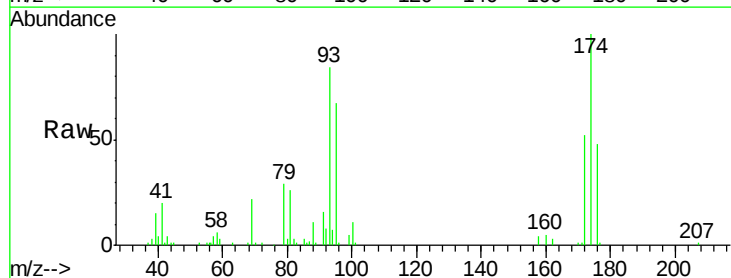
Manual Integrations
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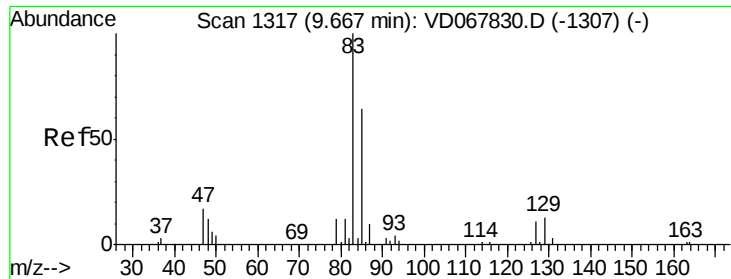
MMDadoda
 12/2/2020 12:24:00 PM



#46
 Dibromomethane
 Concen: 50.137 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067830.D
 Acq: 01 Dec 2020 11:55

Tgt Ion: 93 Resp: 59109
 Ion Ratio Lower Upper
 93 100
 95 80.3 64.2 96.4
 174 114.4 91.5 137.3





#47

Bromodichloromethane

Concen: 48.232 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

Instrument :

MSVOA_D

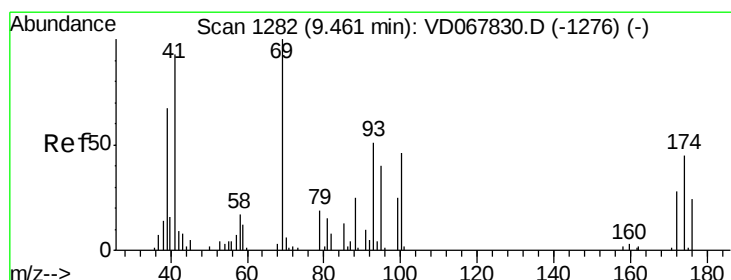
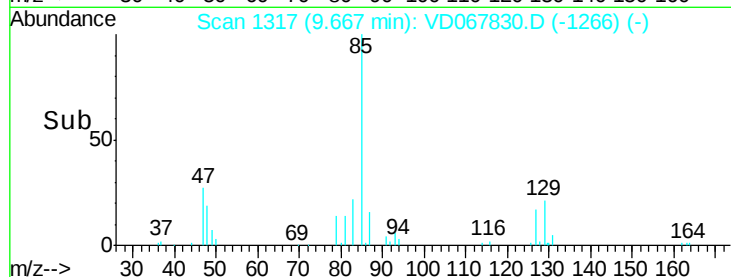
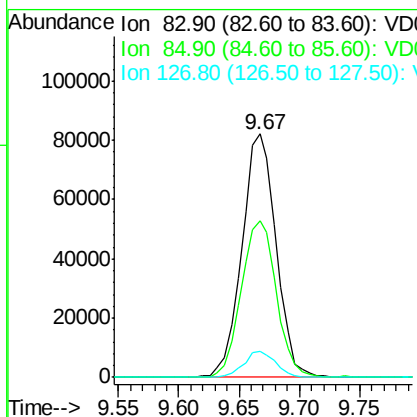
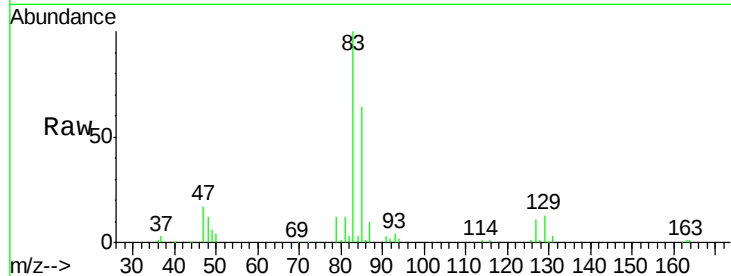
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	162110
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.4	77.0
127	10.6	8.5	12.7

Manual Integrations
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MMDadoda
12/2/2020 12:24:00 PM



#48

Methyl methacrylate

Concen: 49.978 ug/l

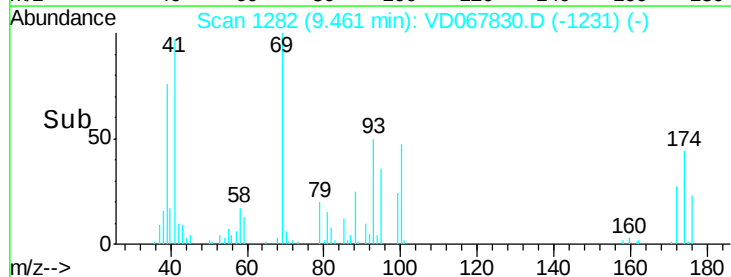
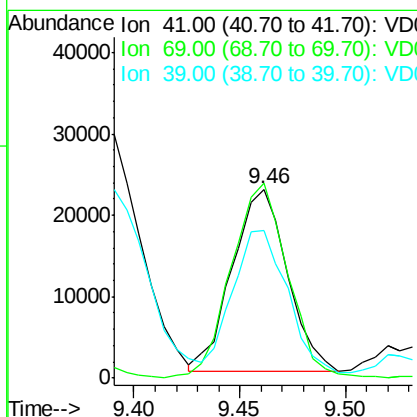
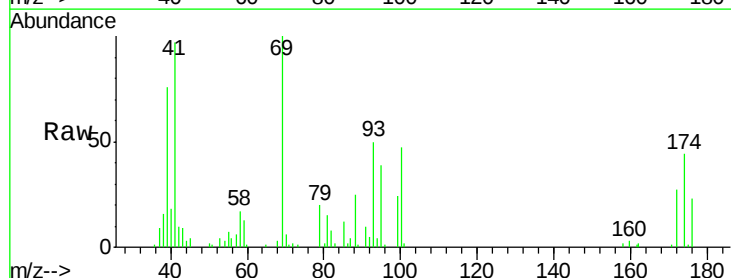
RT: 9.46 min Scan# 1282

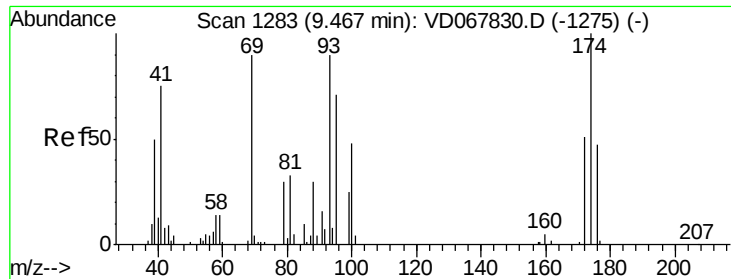
Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

Tgt Ion:	41	Resp:	40634
Ion Ratio	Lower	Upper	
41	100		
69	109.5	87.6	131.4
39	76.5	61.2	91.8





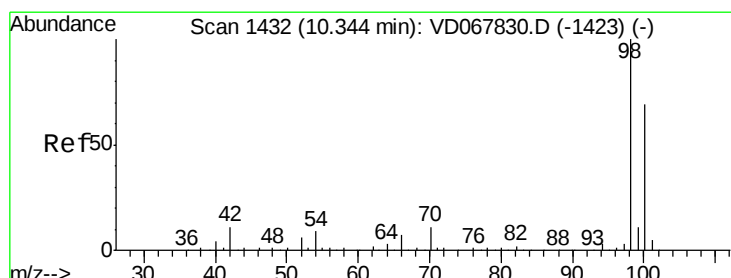
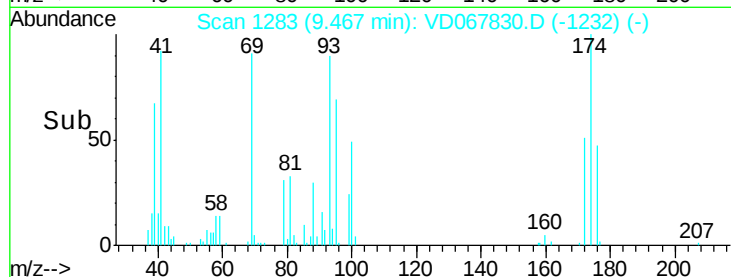
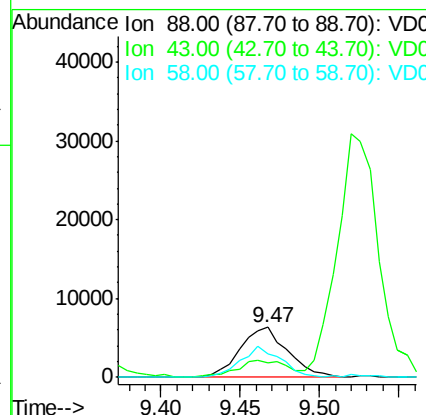
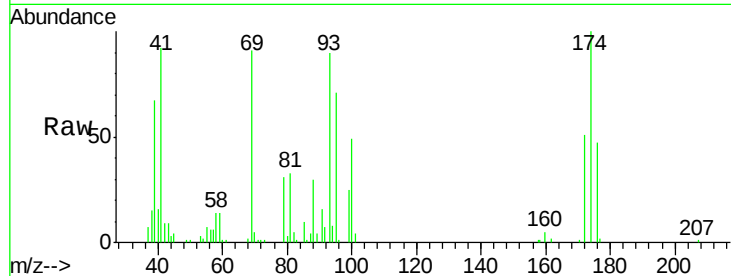
#49
1,4-Dioxane
Concen: 977.261 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.6	30.1	45.1
58	53.0	42.4	63.6

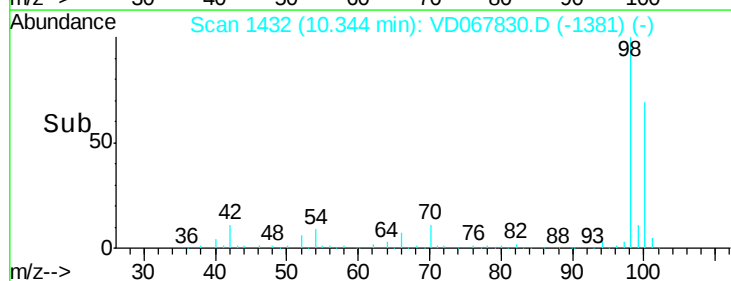
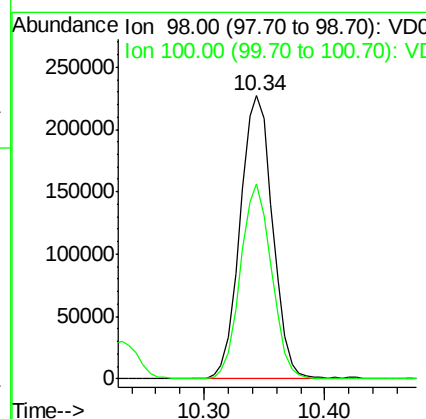
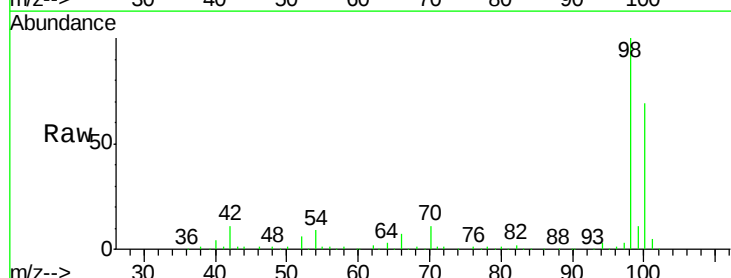
Manual Integrations
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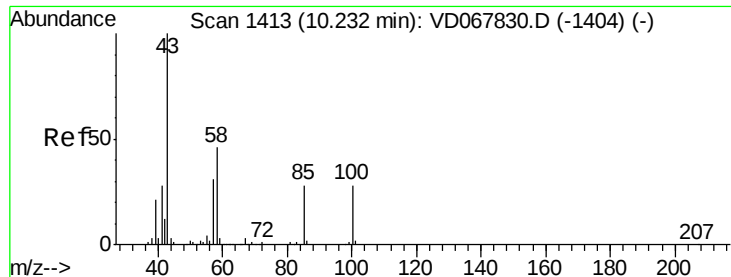
MMDadoda
12/2/2020 12:24:00 PM



#50
Toluene-d8
Concen: 50.706 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 257.504 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 195137

Ion Ratio Lower Upper

43 100

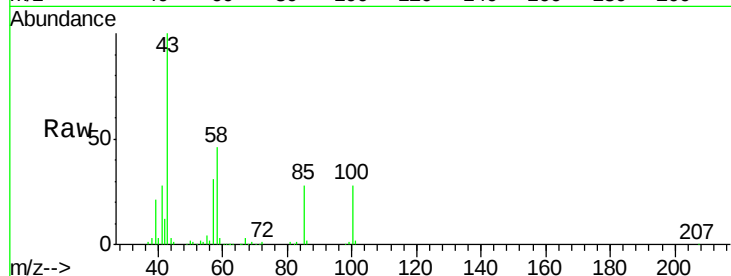
58 44.6 35.7 53.5

Manual Integrations

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12/2/2020 12:24:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

120000

100000

80000

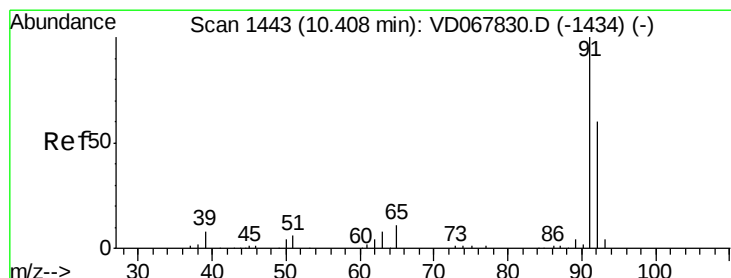
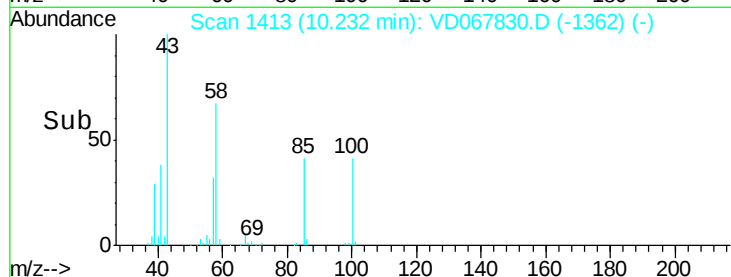
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 49.558 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067830.D

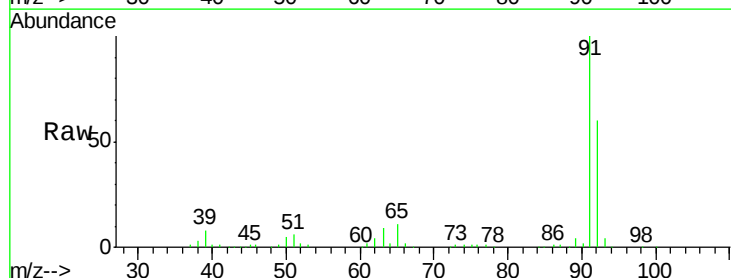
Acq: 01 Dec 2020 11:55

Tgt Ion: 92 Resp: 286255

Ion Ratio Lower Upper

92 100

91 167.7 134.2 201.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

300000

250000

200000

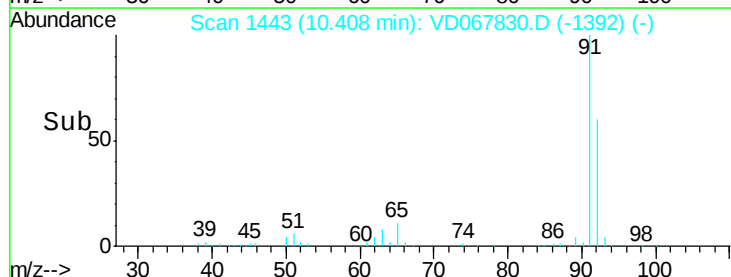
150000

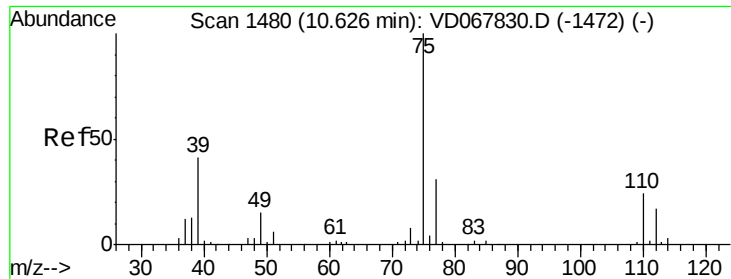
100000

50000

0

Time-->





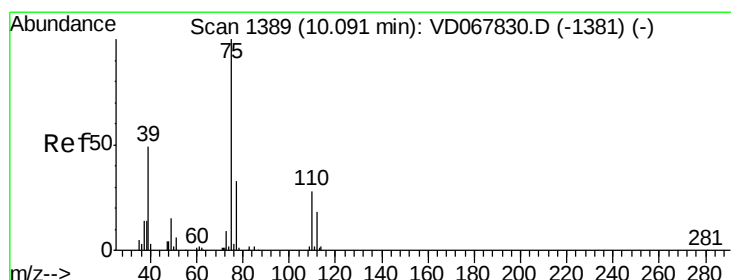
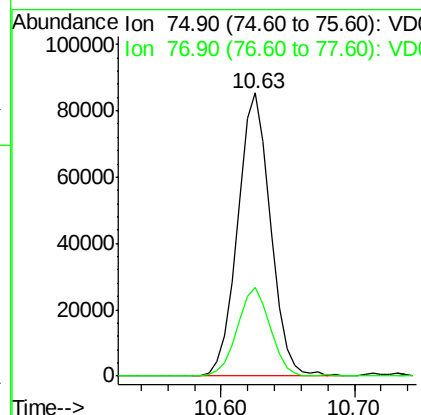
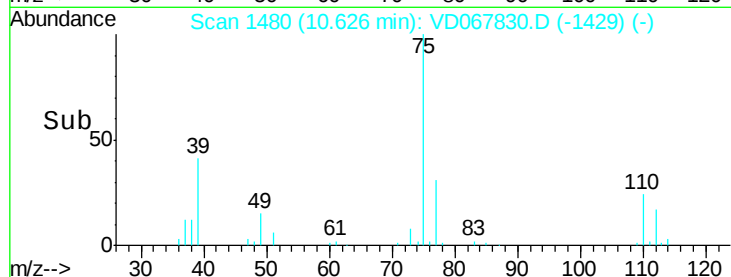
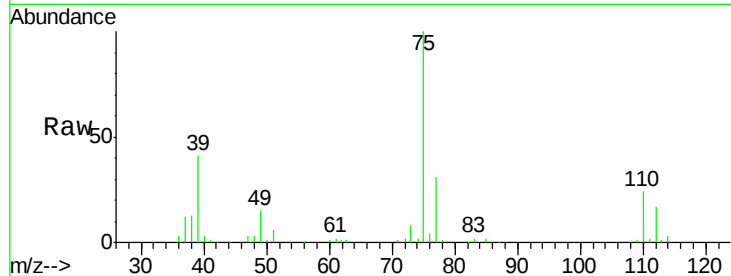
#53
 t-1,3-Dichloropropene
 Concen: 50.078 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD067830.D
 Acq: 01 Dec 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 75 Resp: 145274
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.0 37.4

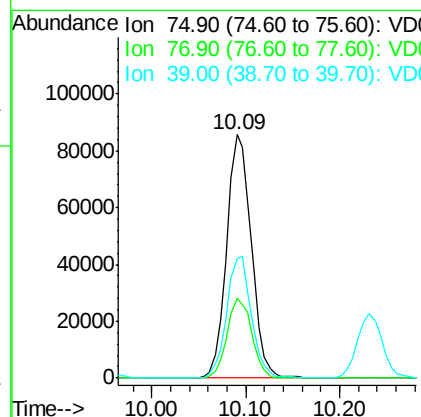
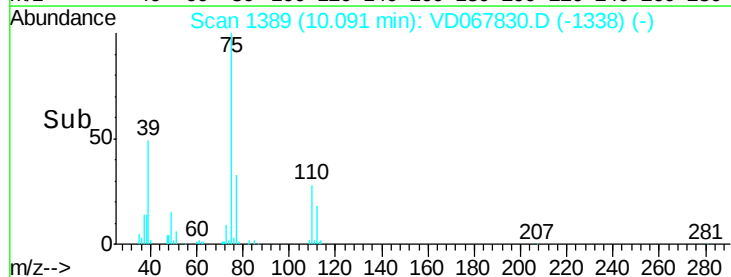
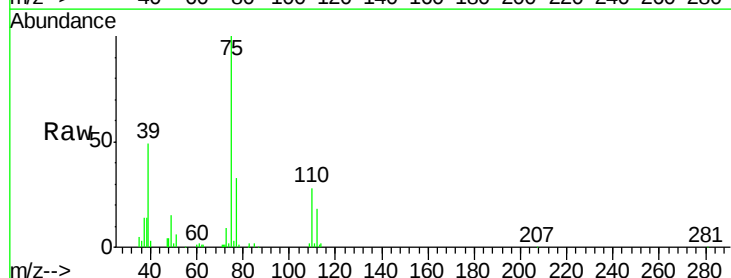
Manual Integrations
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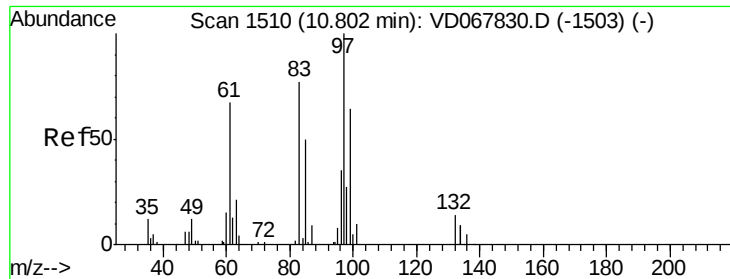
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#54
 cis-1,3-Dichloropropene
 Concen: 49.705 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD067830.D
 Acq: 01 Dec 2020 11:55

Tgt Ion: 75 Resp: 156842
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.2 39.2
 39 48.7 39.0 58.4





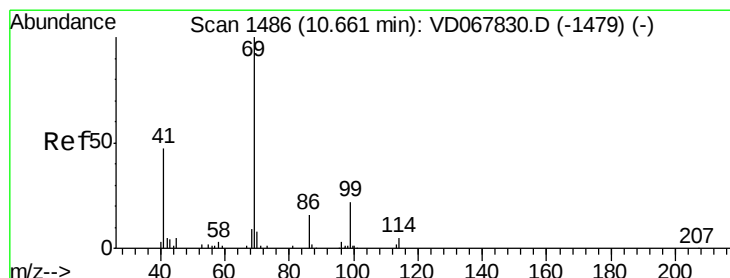
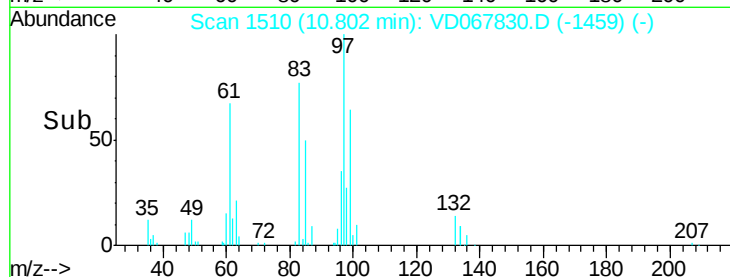
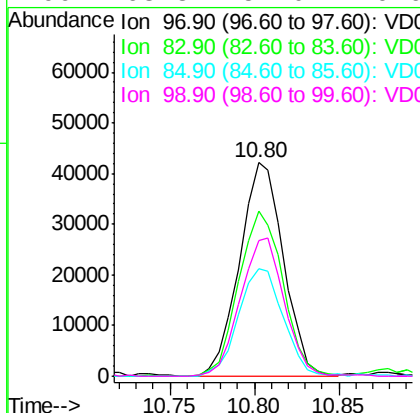
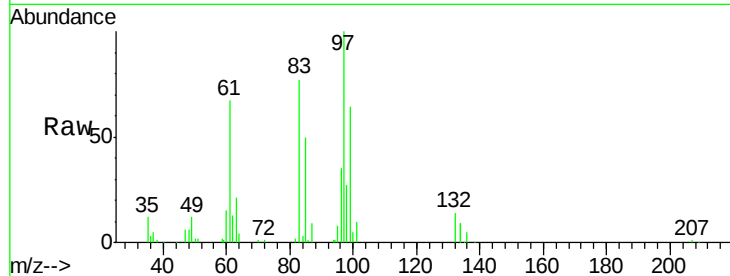
#55
 1,1,2-Trichloroethane
 Concen: 47.380 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067830.D
 Acq: 01 Dec 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		76444		
83	77.4	61.9	92.9		
85	50.3	40.2	60.4		
99	63.8	51.0	76.6		

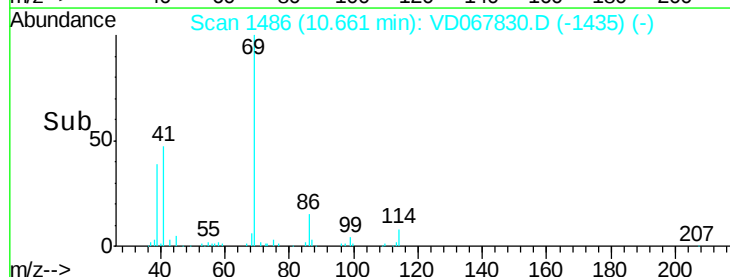
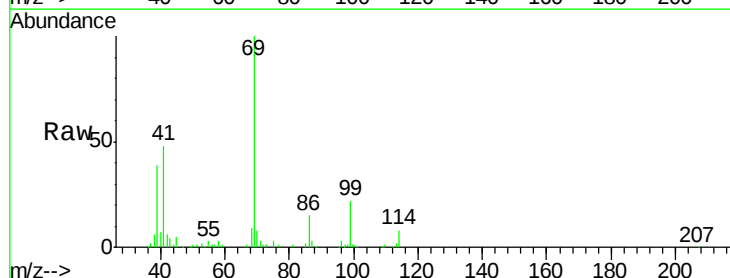
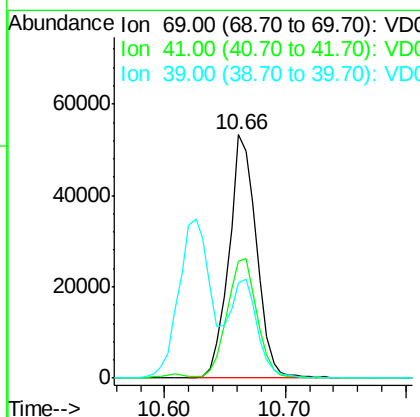
Manual Integrations
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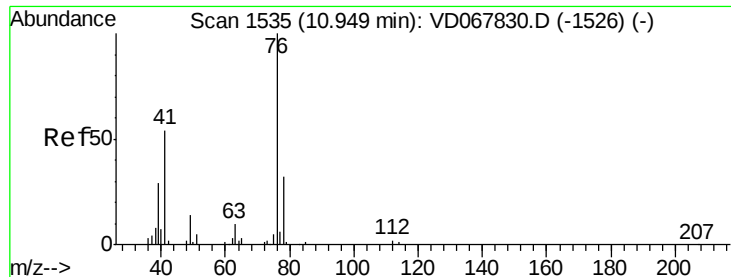
MMDadoda
 12/2/2020 12:24:00 PM



#56
 Ethyl methacrylate
 Concen: 51.598 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067830.D
 Acq: 01 Dec 2020 11:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		84701		
41	53.5	42.8	64.2		
39	38.1	30.5	45.7		





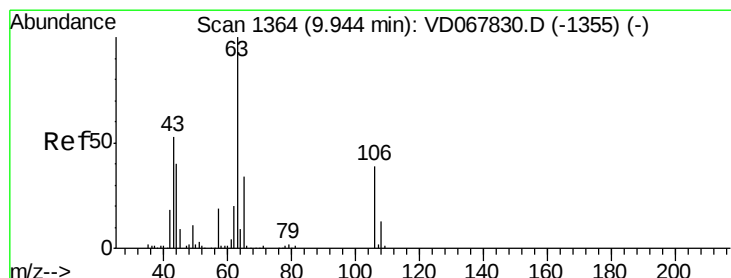
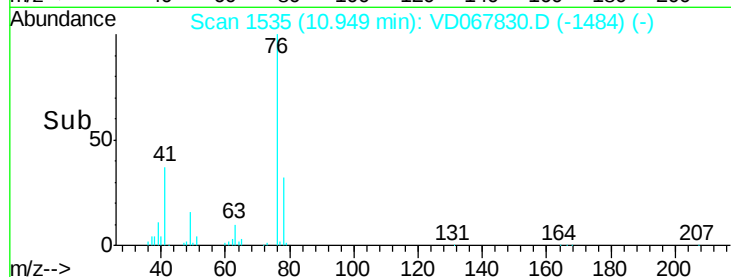
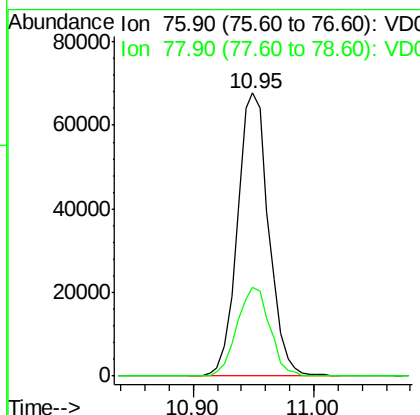
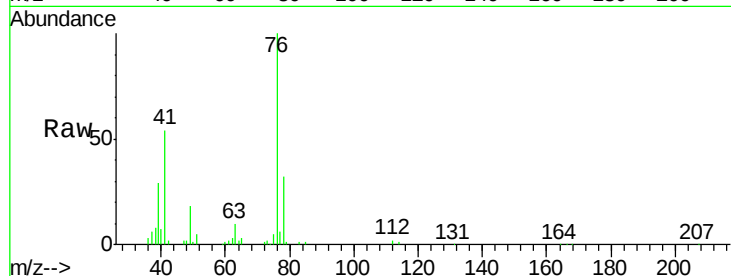
#57
 1,3-Dichloropropane
 Concen: 47.776 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067830.D
 Acq: 01 Dec 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.6	39.8

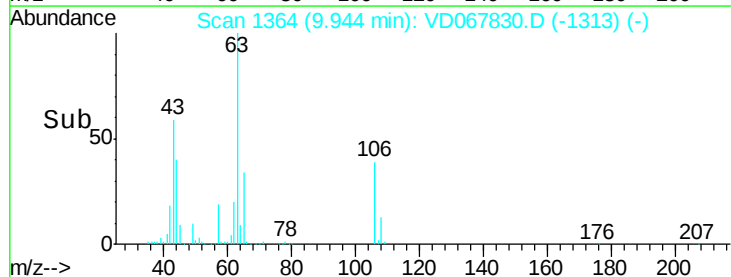
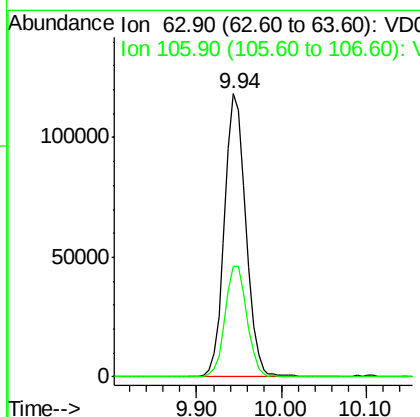
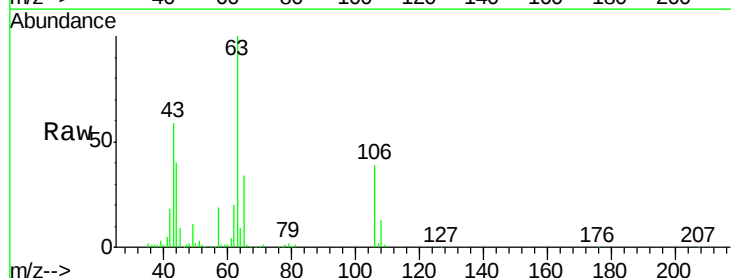
Manual Integrations
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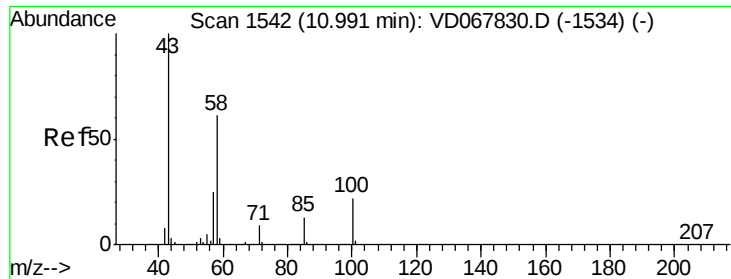
MMDadoda
 12/2/2020 12:24:00 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 276.544 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067830.D
 Acq: 01 Dec 2020 11:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	40.0	32.0	48.0





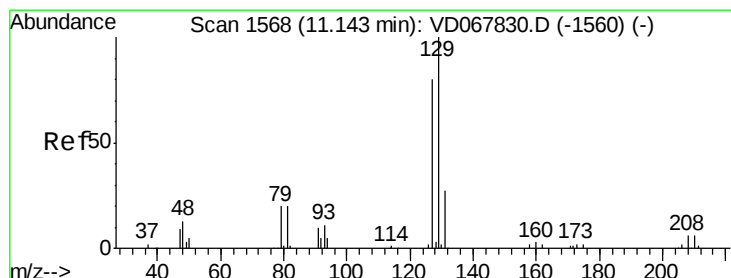
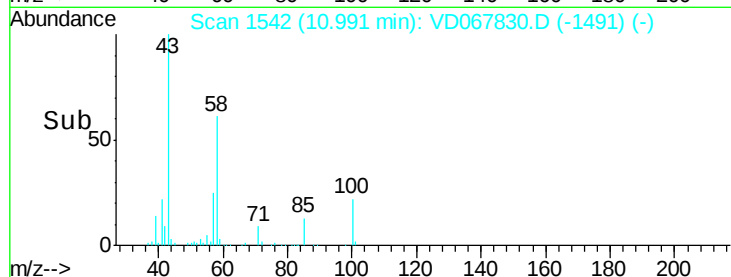
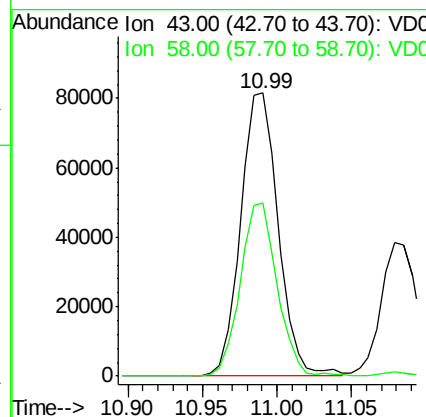
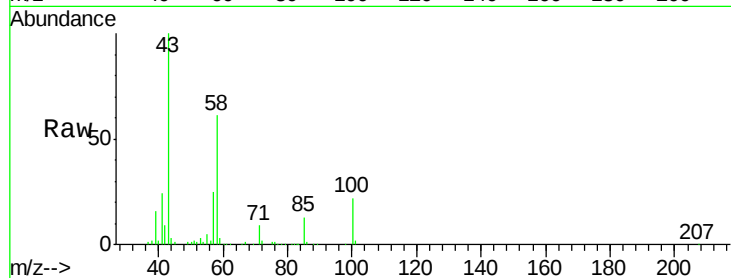
#59
2-Hexanone
Concen: 266.952 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 142608
Ion Ratio Lower Upper
43 100
58 59.8 29.9 89.7

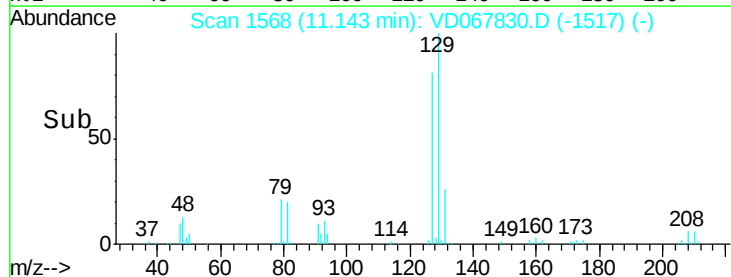
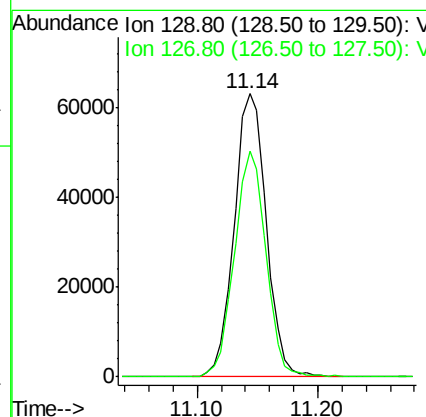
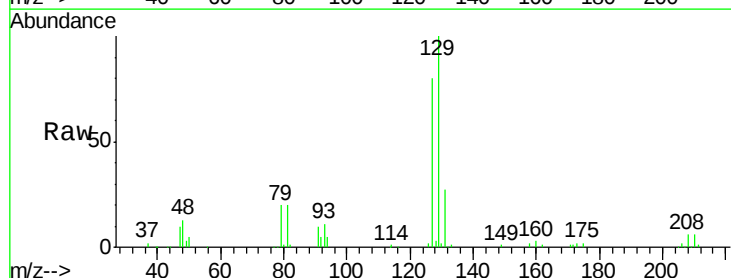
Manual Integrations
APPROVED

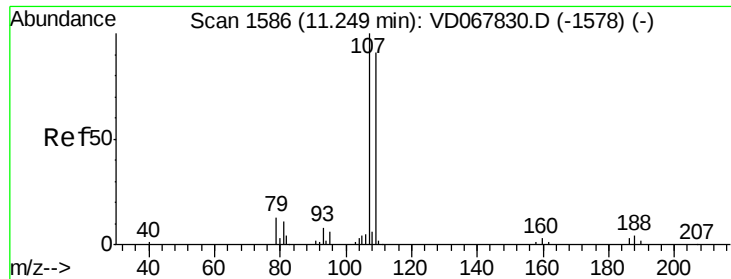
MMDadoda
12/2/2020 12:24:00 PM



#60
Dibromochloromethane
Concen: 48.097 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Tgt Ion: 129 Resp: 116975
Ion Ratio Lower Upper
129 100
127 78.4 39.2 117.6





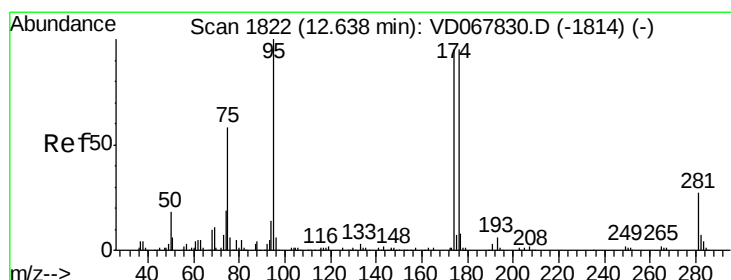
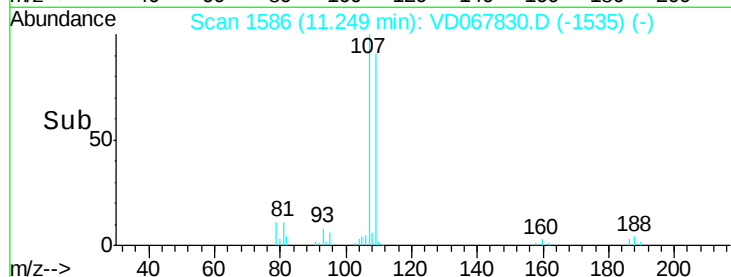
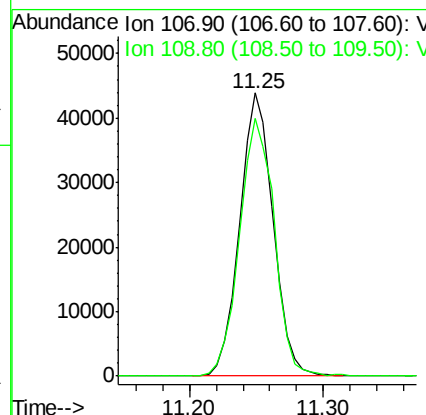
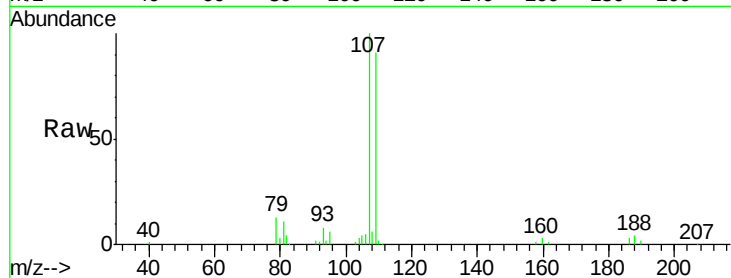
#61
 1,2-Dibromoethane
 Concen: 47.888 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067830.D
 Acq: 01 Dec 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.9	113.9

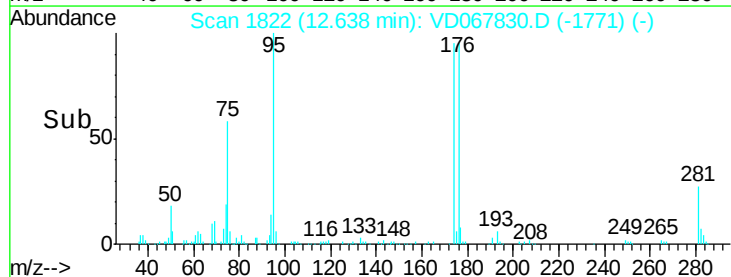
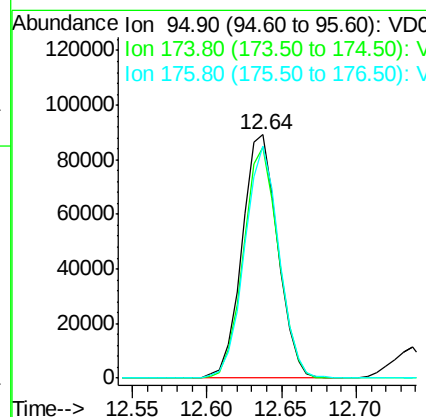
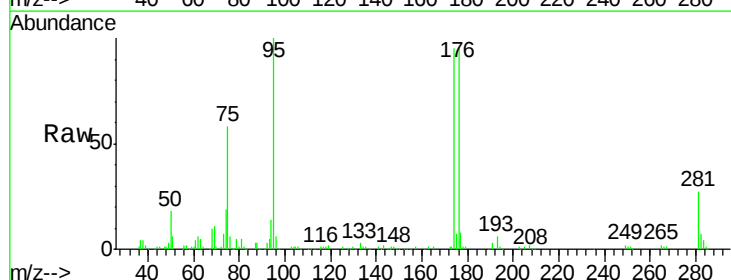
Manual Integrations
 APPROVED

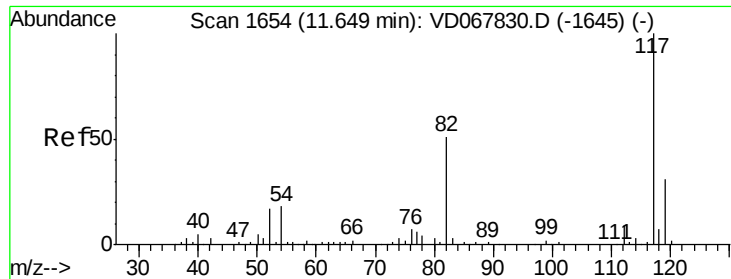
MMDadoda
 12/2/2020 12:24:00 PM



#62
 4-Bromofluorobenzene
 Concen: 50.780 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067830.D
 Acq: 01 Dec 2020 11:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.0	0.0	186.0
176	92.1	0.0	184.2





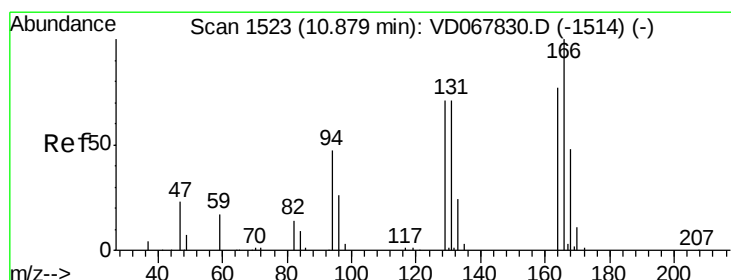
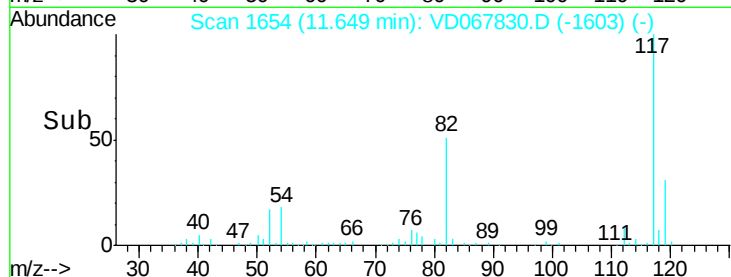
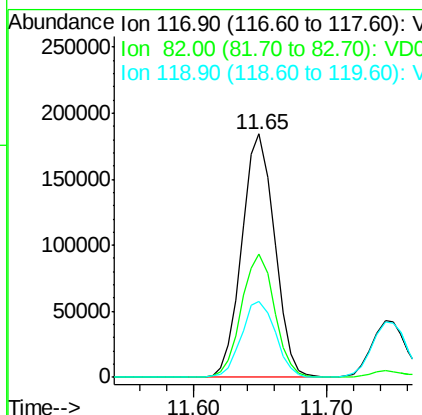
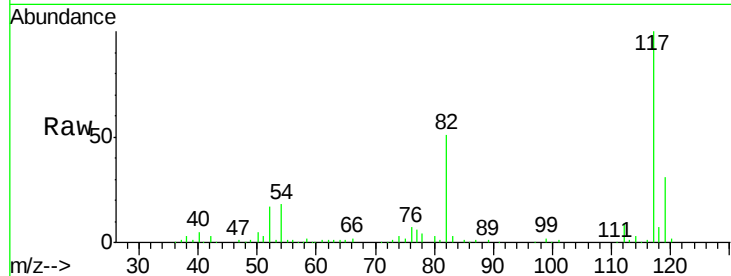
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.7	40.6	60.8
119	31.4	25.1	37.7

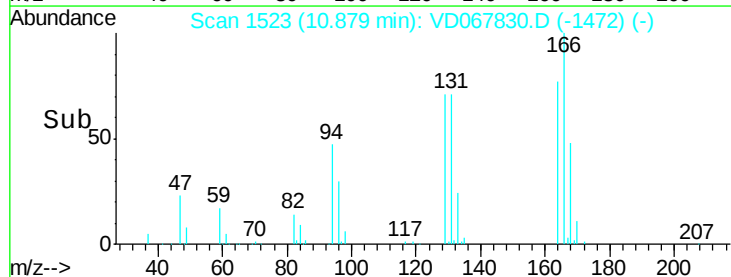
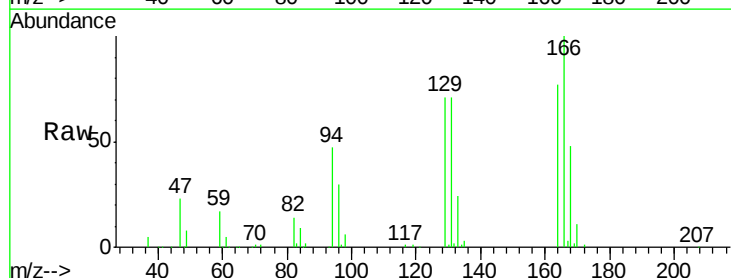
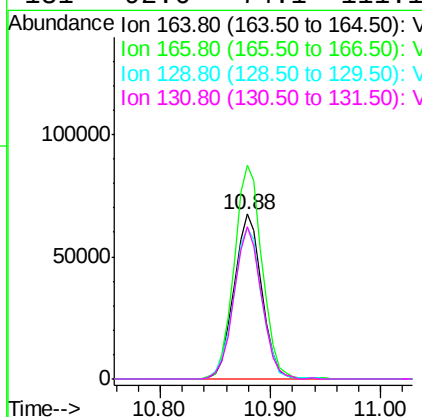
Manual Integrations
APPROVED

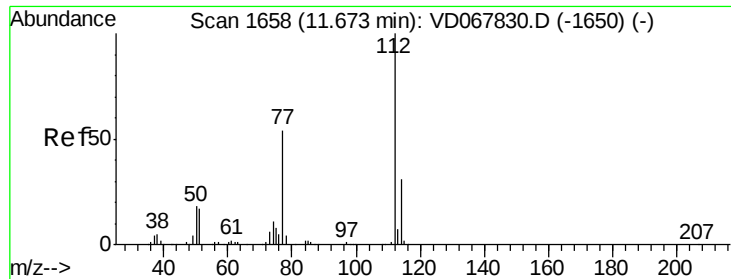
MMDadoda
12/2/2020 12:24:00 PM



#64
Tetrachloroethene
Concen: 46.635 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	103.8	155.6
129	91.6	73.3	109.9
131	92.6	74.1	111.1





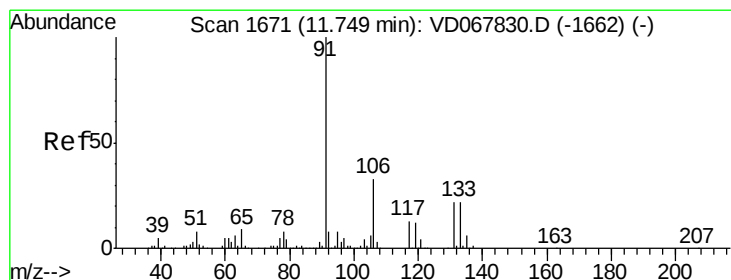
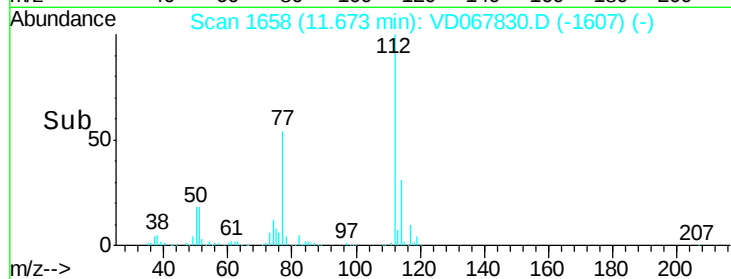
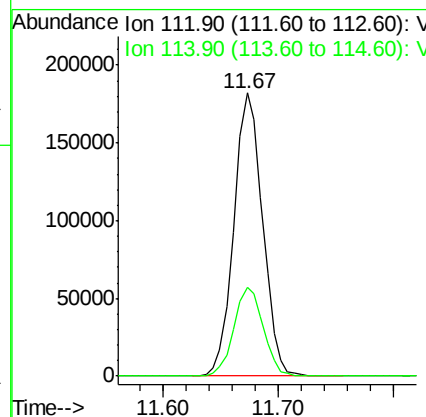
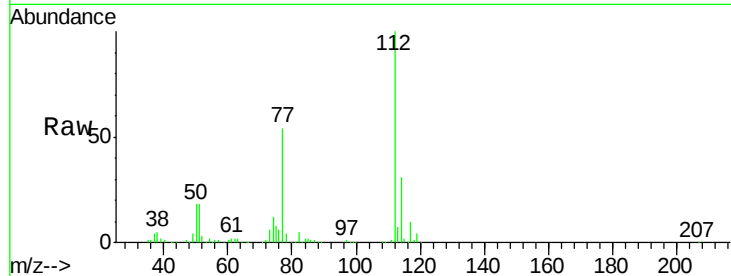
#65
Chlorobenzene
Concen: 48.469 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	313651		
114	31.2	25.0	37.4	

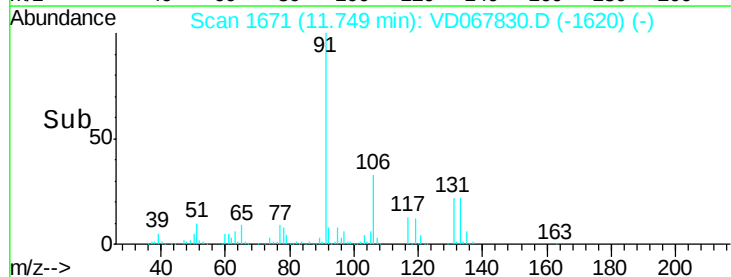
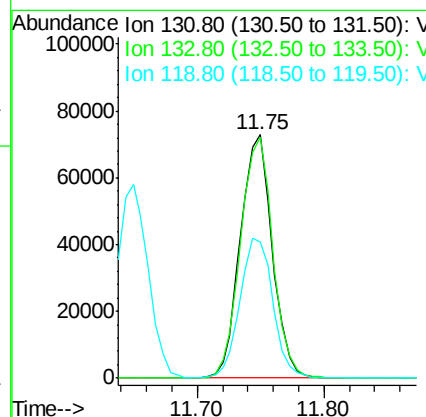
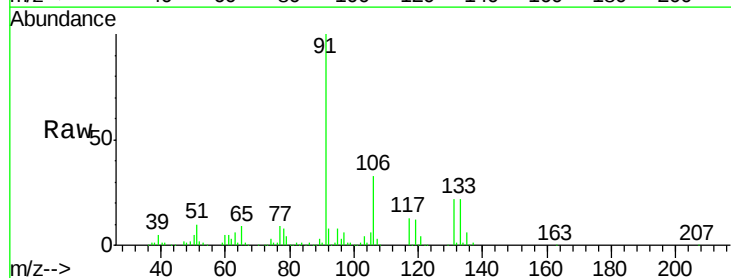
Manual Integrations
APPROVED

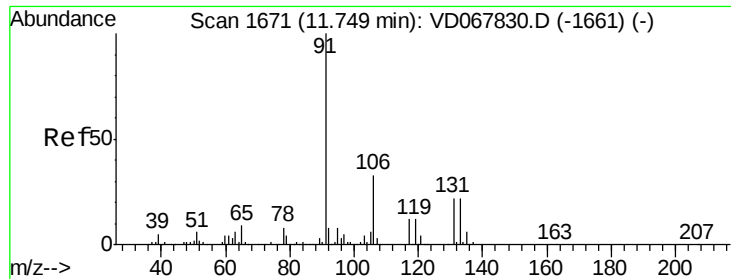
MMDadoda
12/2/2020 12:24:00 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.197 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	127211		
133	99.8	49.9	149.7	
119	59.3	29.6	88.9	





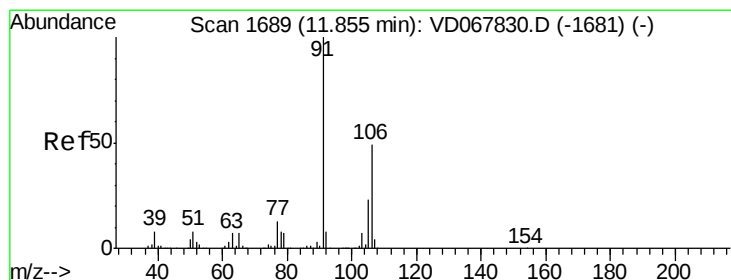
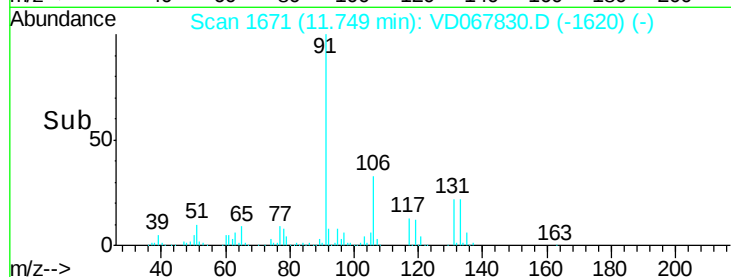
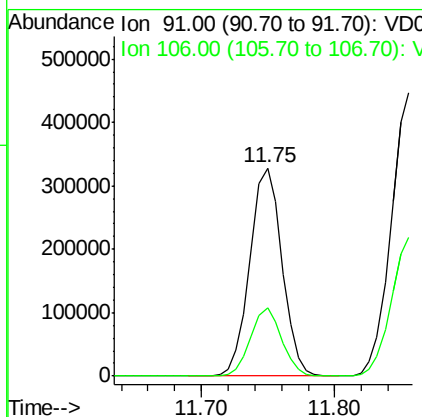
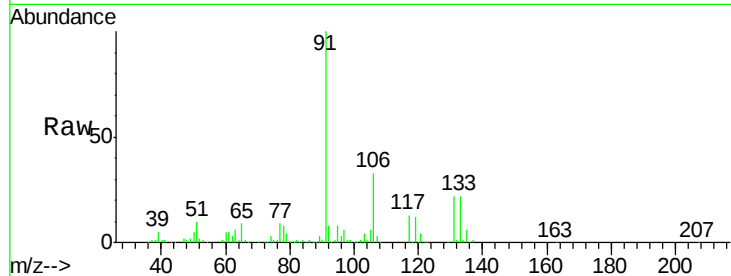
#67
Ethyl Benzene
Concen: 49.364 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 544170
Ion Ratio Lower Upper
91 100
106 32.7 26.2 39.2

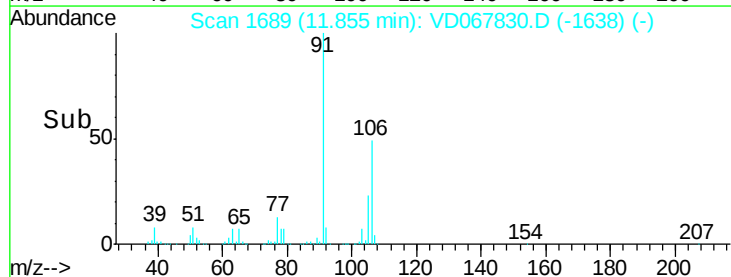
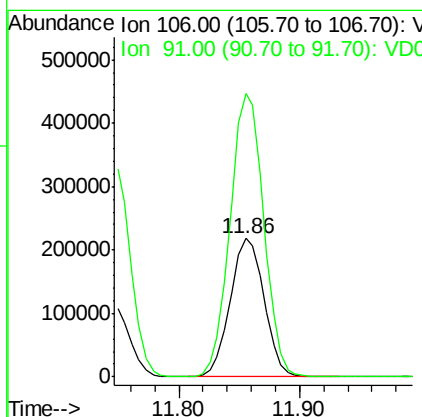
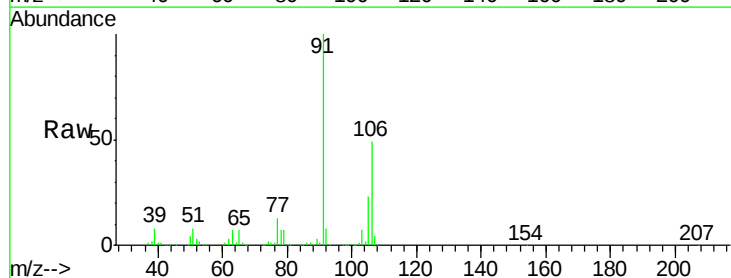
Manual Integrations
APPROVED

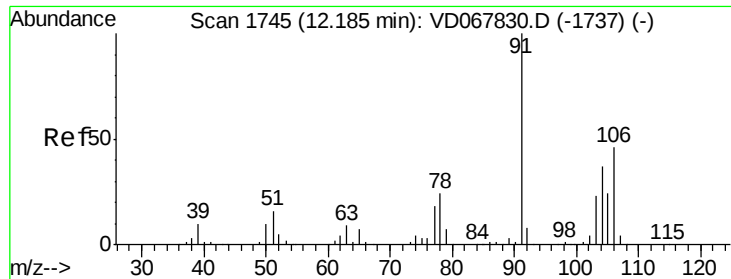
MMDadoda
12/2/2020 12:24:00 PM



#68
m/p-Xylenes
Concen: 98.146 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Tgt Ion: 106 Resp: 426615
Ion Ratio Lower Upper
106 100
91 203.5 162.8 244.2





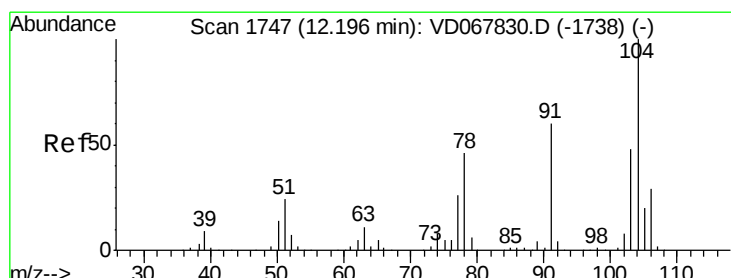
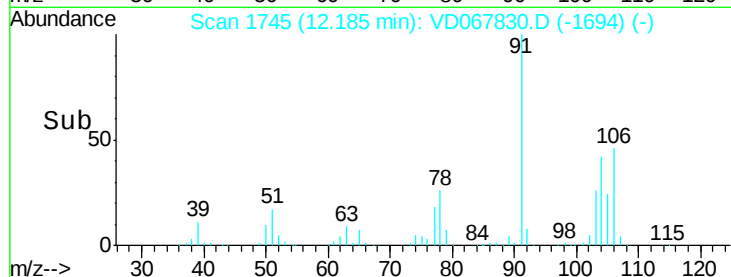
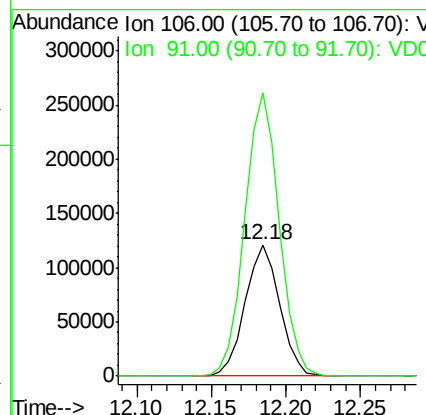
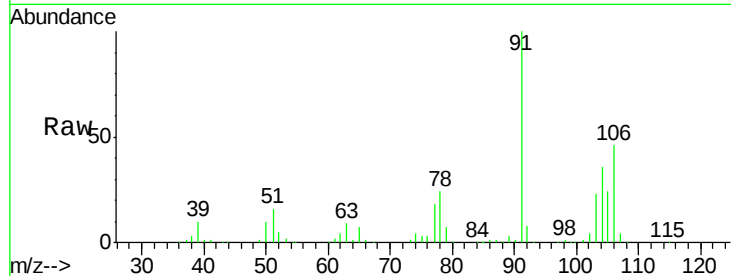
#69
o-Xylene
Concen: 50.259 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 193943
Ion Ratio Lower Upper
106 100
91 215.0 107.5 322.5

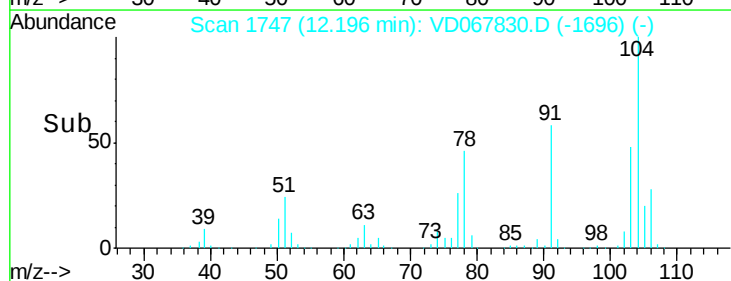
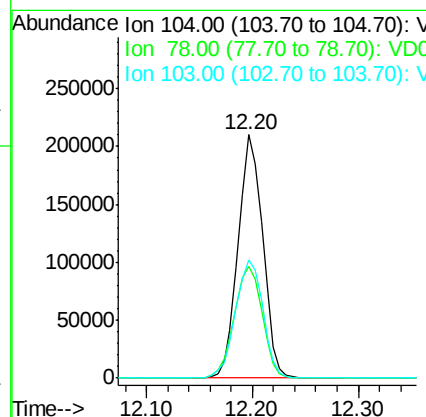
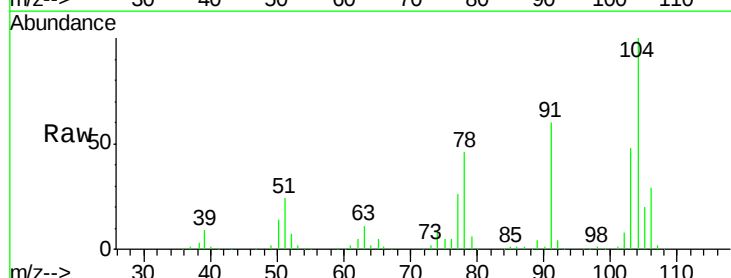
Manual Integrations
APPROVED

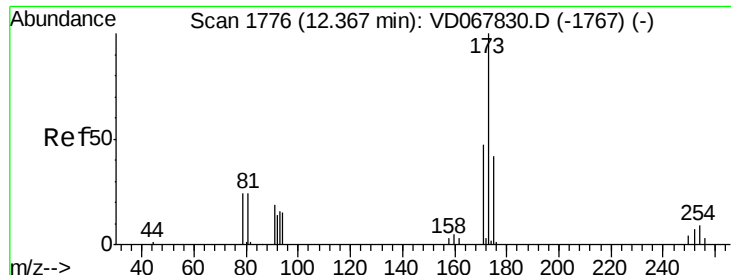
MMDadoda
12/2/2020 12:24:00 PM



#70
Styrene
Concen: 50.510 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Tgt Ion:104 Resp: 338926
Ion Ratio Lower Upper
104 100
78 52.0 41.6 62.4
103 54.0 43.2 64.8





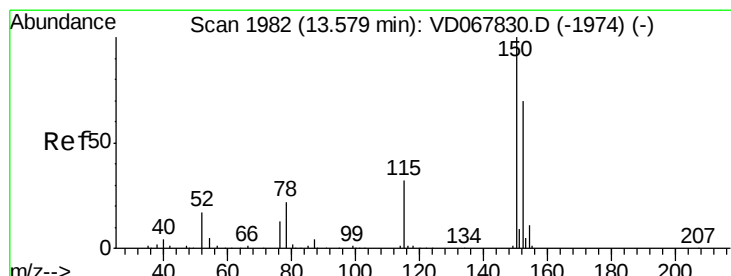
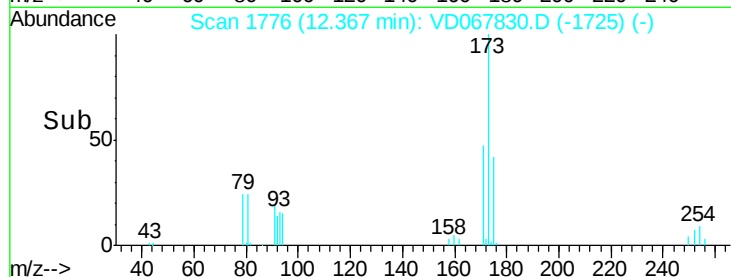
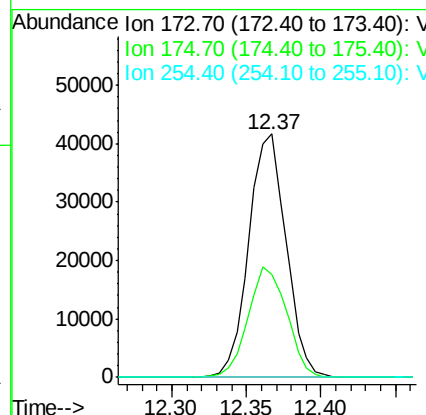
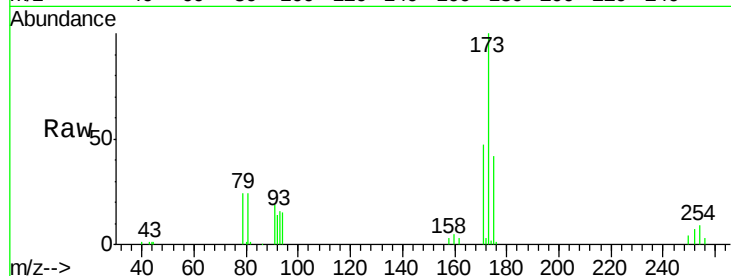
#71
Bromoform
Concen: 51.527 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	23.4	70.3
254	0.1	0.1	0.1

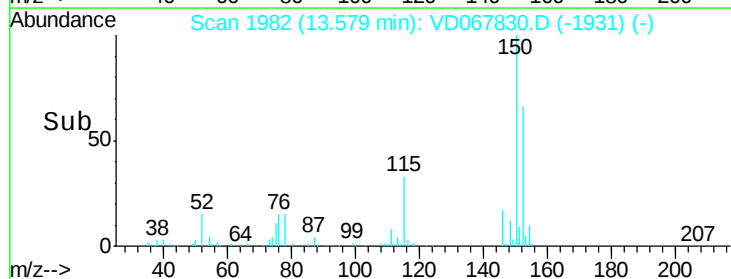
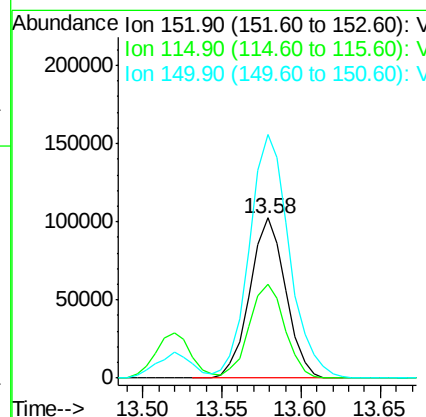
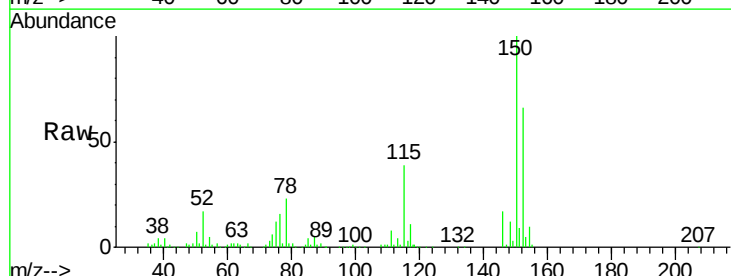
Manual Integrations
APPROVED

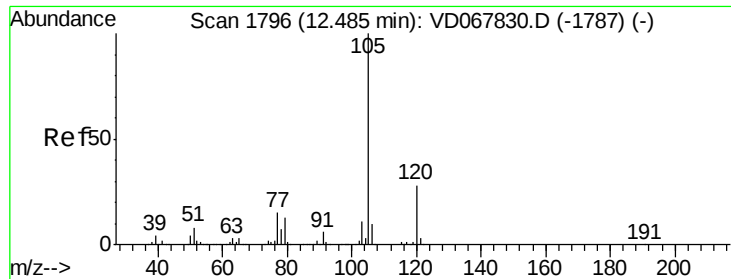
MMDadoda
12/2/2020 12:24:00 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.1	87.4
150	169.5	0.0	339.0





#73

Isopropylbenzene

Concen: 49.788 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 552076

Ion Ratio Lower Upper

105 100

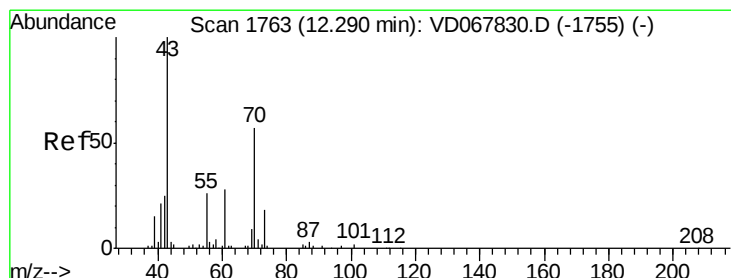
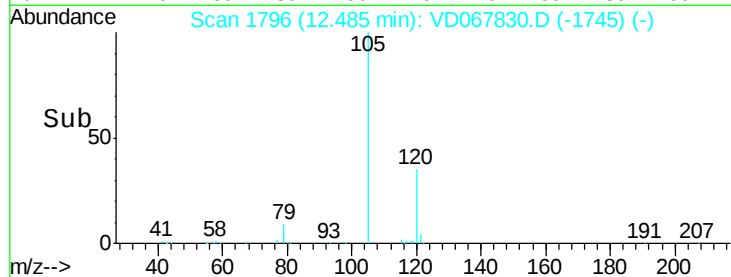
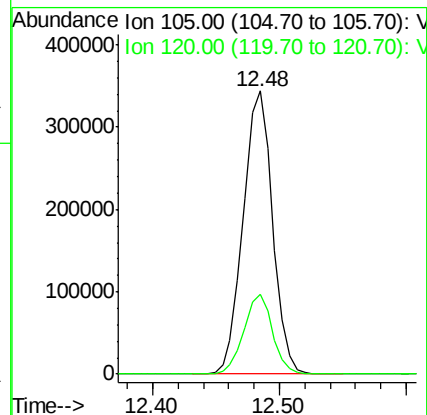
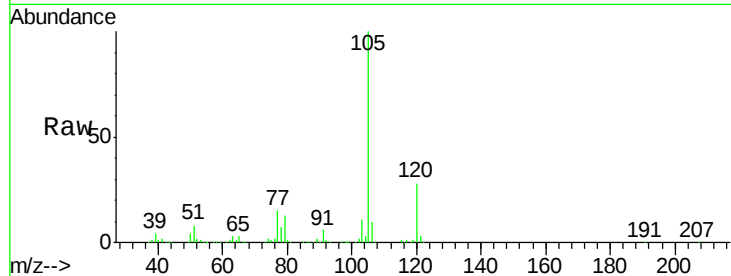
120 27.7 13.9 41.6

Manual Integrations

APPROVED

MMDadoda

12/2/2020 12:24:00 PM



#74

N-ethyl acetate

Concen: 51.222 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

Tgt Ion: 43 Resp: 70256

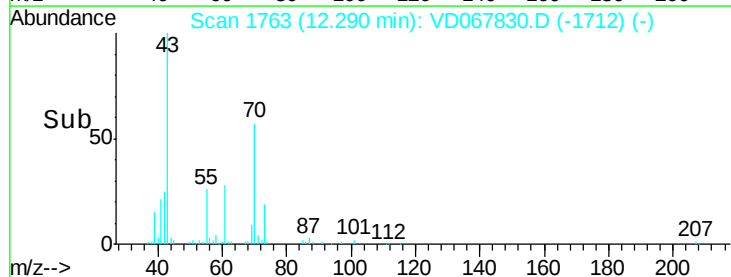
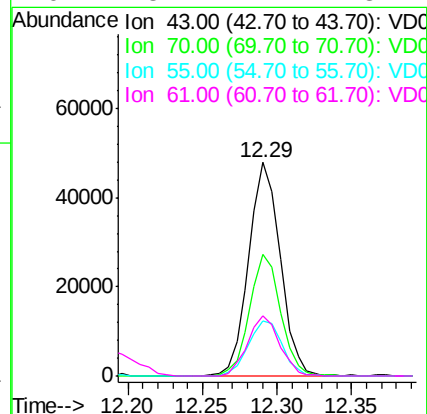
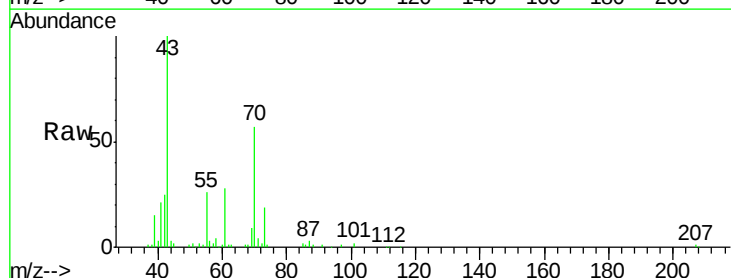
Ion Ratio Lower Upper

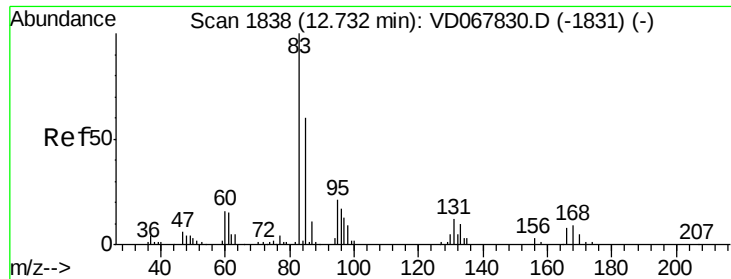
43 100

70 55.7 44.6 66.8

55 27.7 22.2 33.2

61 28.4 22.7 34.1





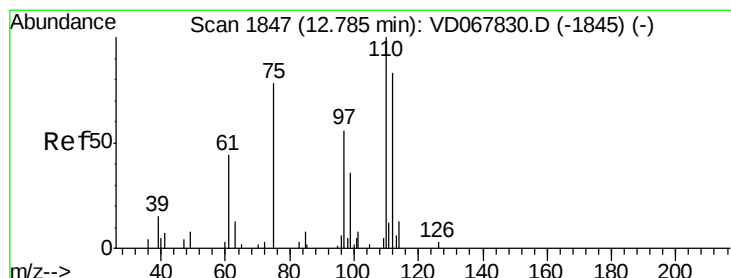
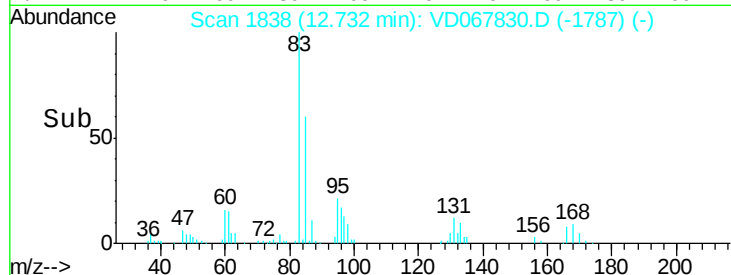
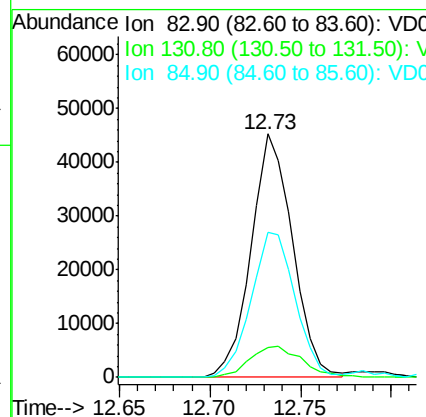
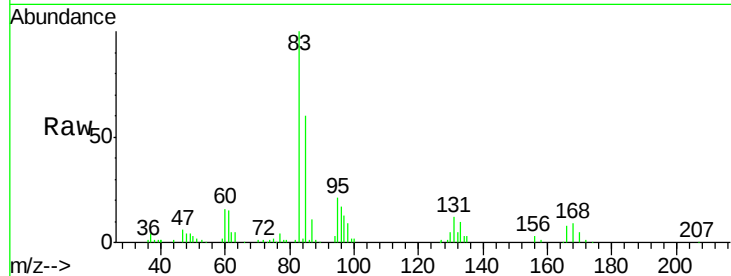
#75
 1,1,2,2-Tetrachloroethane
 Concen: 49.219 ug/l
 RT: 12.73 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VD067830.D
 Acq: 01 Dec 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
131	16.0	8.0	24.0
85	63.4	31.7	95.1

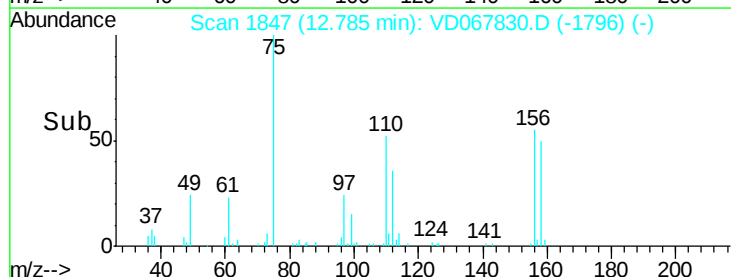
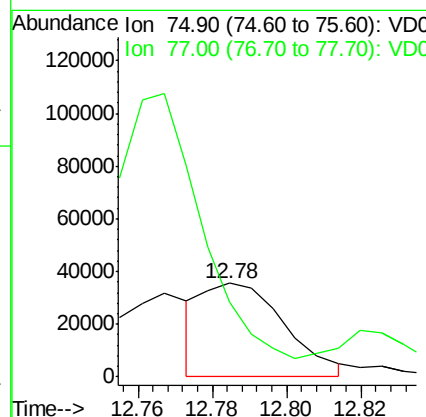
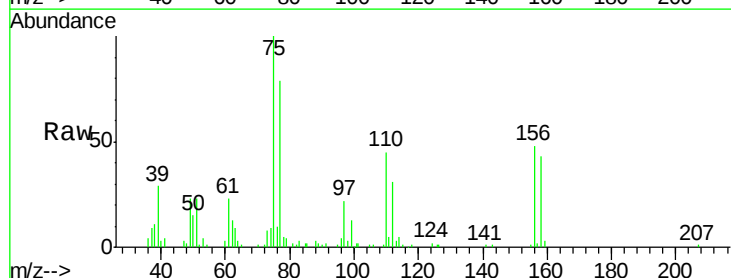
Manual Integrations
 APPROVED

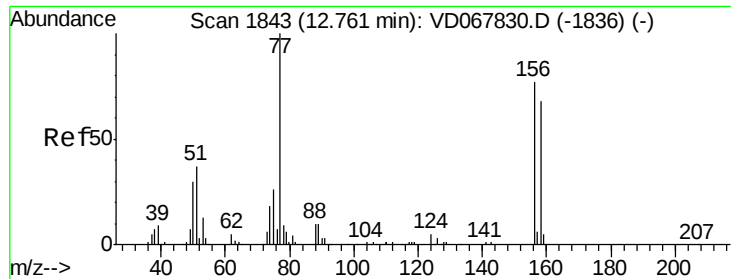
MMDadoda
 12/2/2020 12:24:00 PM



#76
 1,2,3-Trichloropropane
 Concen: 45.880 ug/l m
 RT: 12.78 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: VD067830.D
 Acq: 01 Dec 2020 11:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	360.1	175.9	527.7





#77

Bromobenzene

Concen: 50.261 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

Instrument :

MSVOA_D

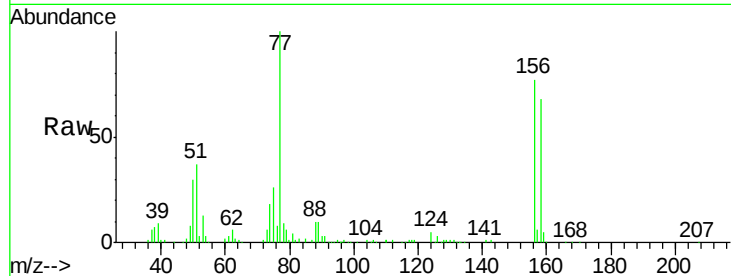
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	143.0	71.5	214.5
158	94.3	47.1	141.4

Manual Integrations
APPROVED

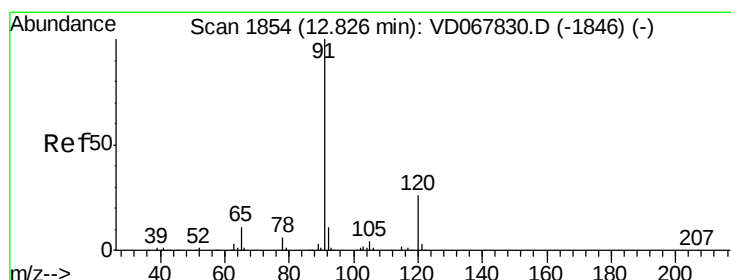
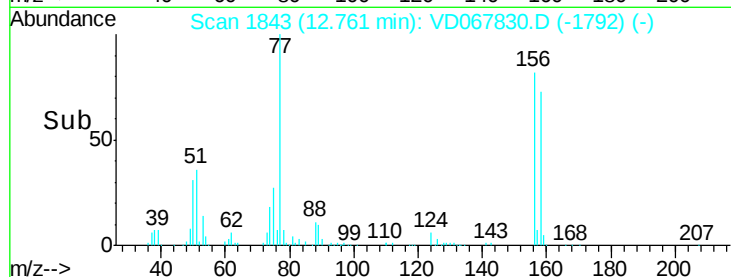
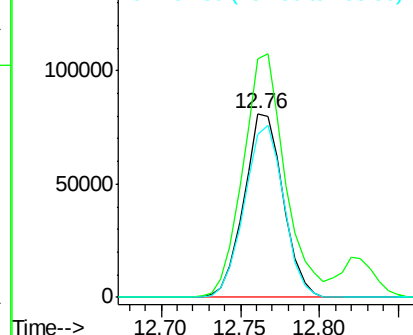
MMDadoda
12/2/2020 12:24:00 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.229 ug/l

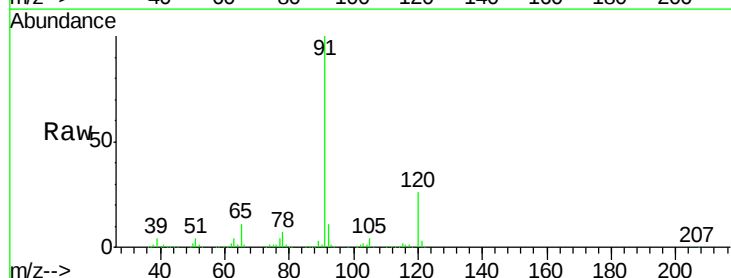
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067830.D

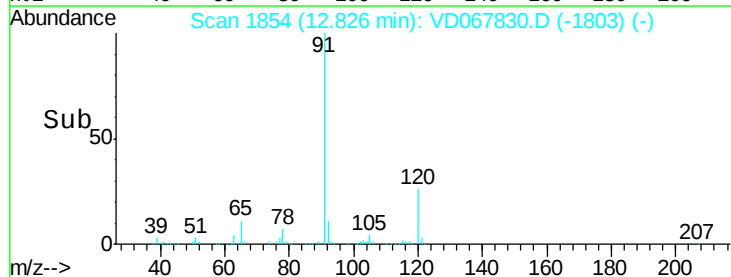
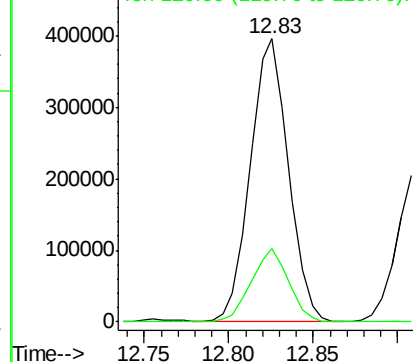
Acq: 01 Dec 2020 11:55

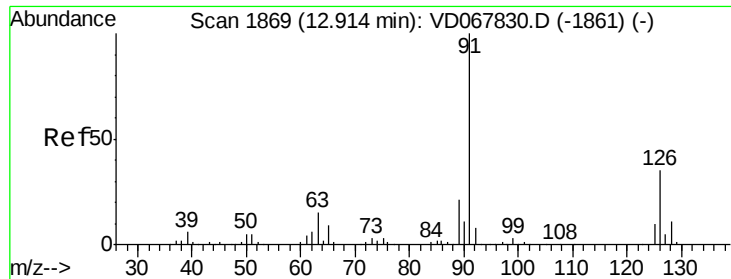
Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.3	12.7	38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





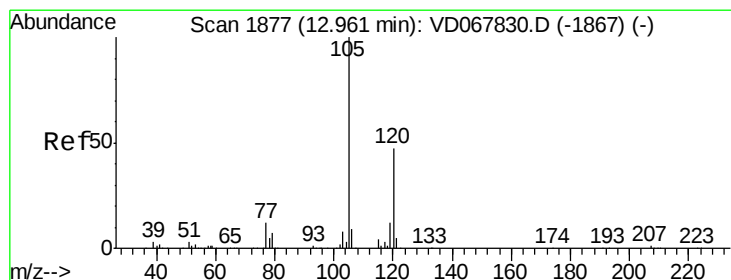
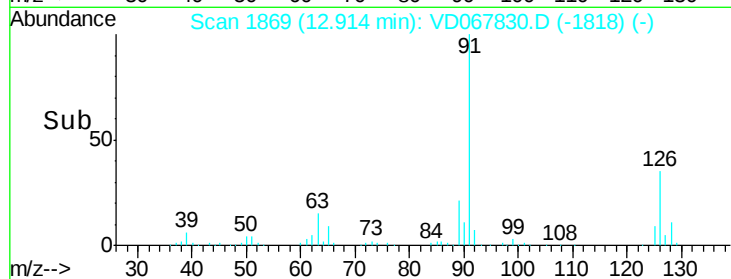
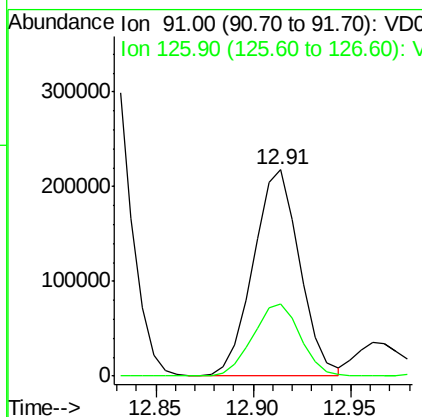
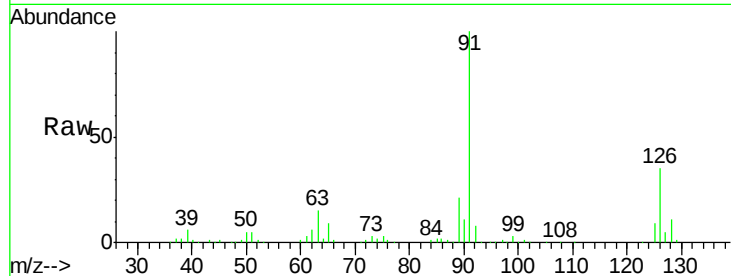
#79
 2-Chlorotoluene
 Concen: 49.735 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067830.D
 Acq: 01 Dec 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 91 Resp: 359591
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.9 53.7

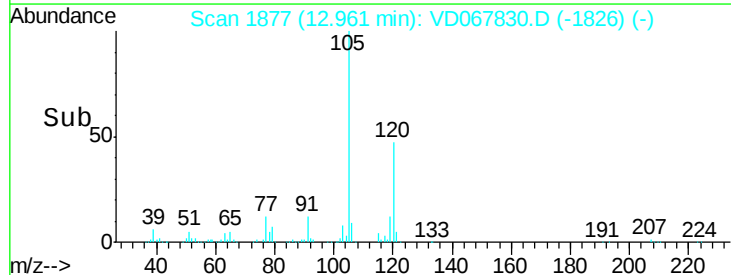
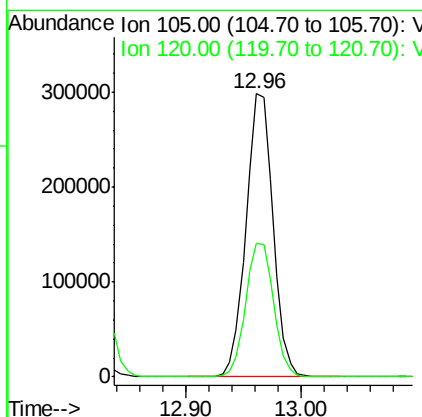
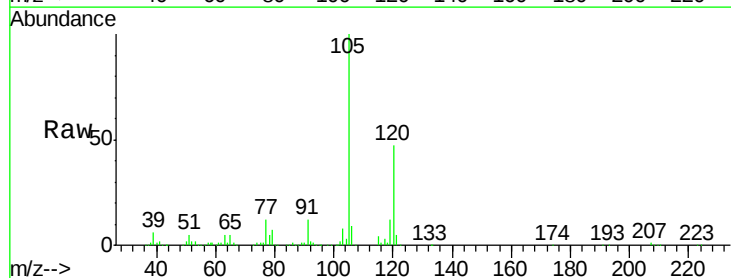
Manual Integrations
 APPROVED

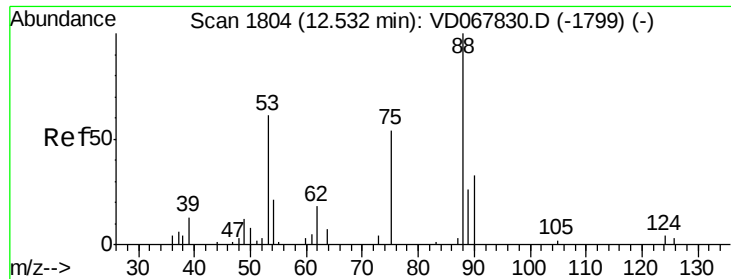
MMDadoda
 12/2/2020 12:24:00 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.470 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD067830.D
 Acq: 01 Dec 2020 11:55

Tgt Ion: 105 Resp: 484539
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.3 72.9





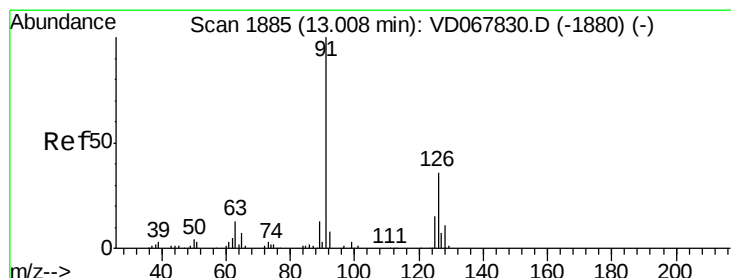
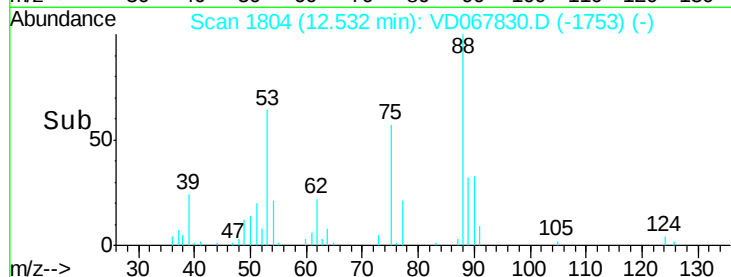
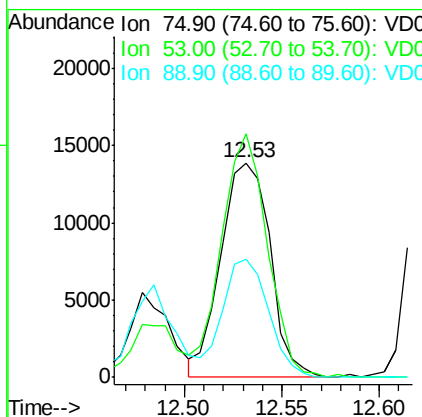
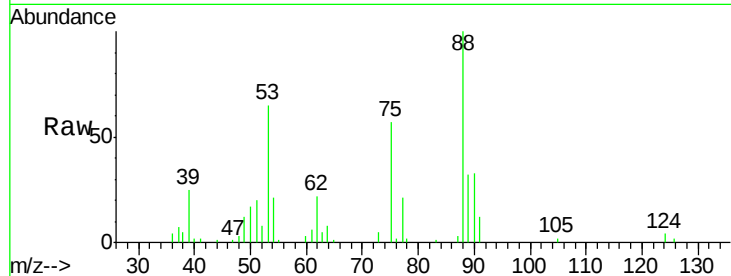
#81
trans-1,4-Dichloro-2-butene
Concen: 49.428 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 24263
Ion Ratio Lower Upper
75 100
53 105.8 84.6 127.0
89 51.3 41.0 61.6

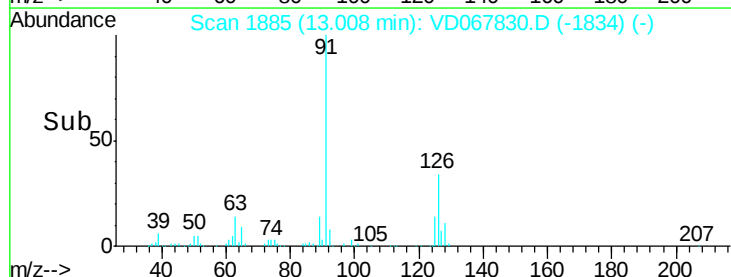
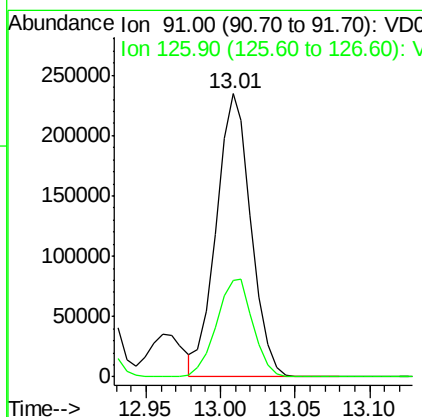
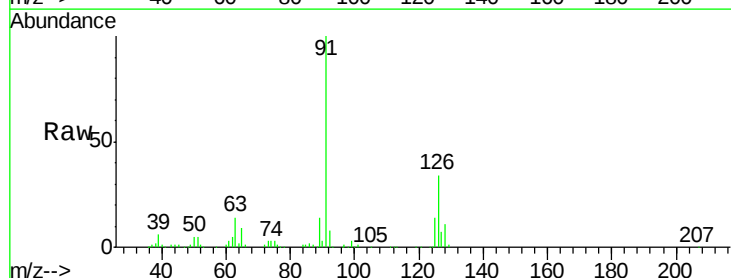
Manual Integrations
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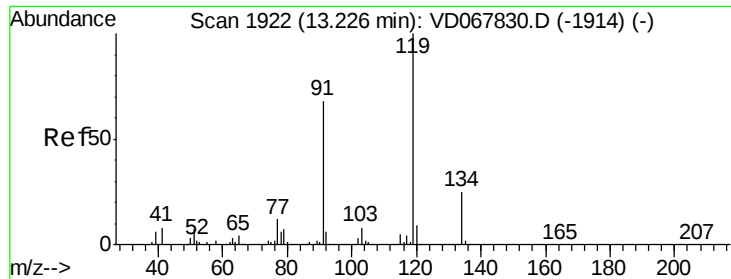
MMDadoda
12/2/2020 12:24:00 PM



#82
4-Chlorotoluene
Concen: 49.321 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Tgt Ion: 91 Resp: 380388
Ion Ratio Lower Upper
91 100
126 36.3 18.1 54.4





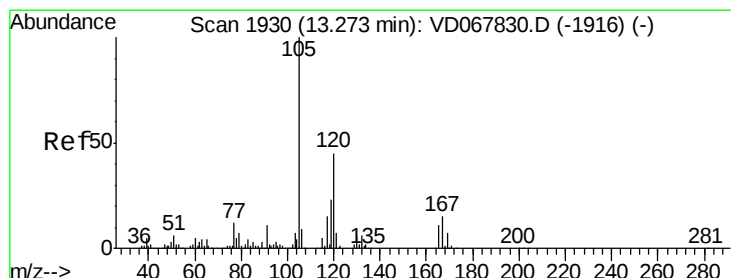
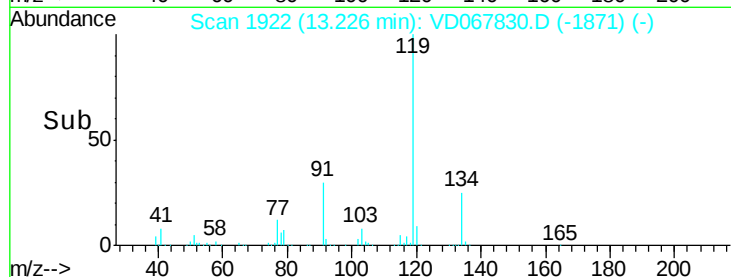
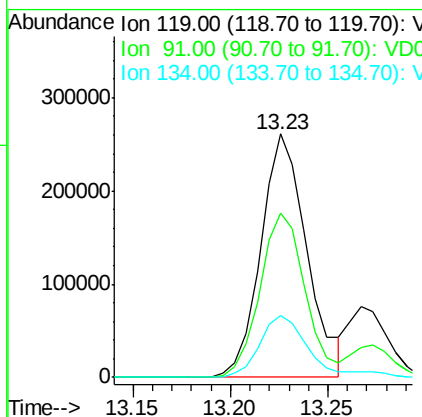
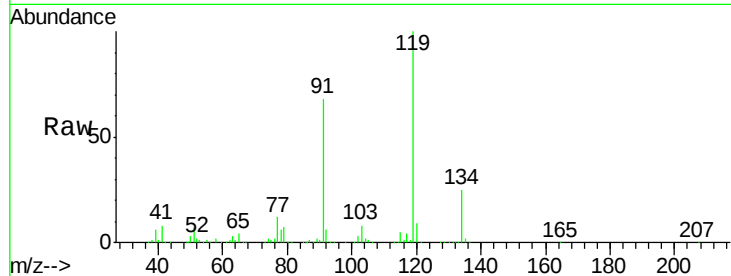
#83
tert-Butylbenzene
Concen: 52.184 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.2	33.1	99.3
134	27.2	13.6	40.8

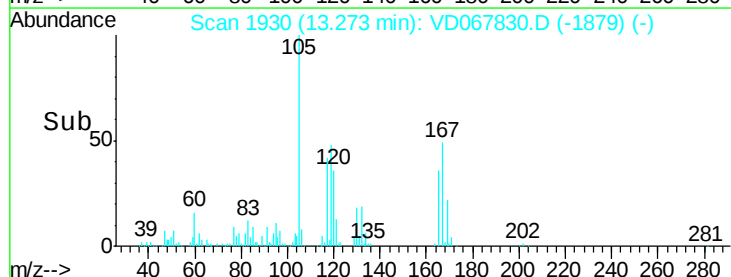
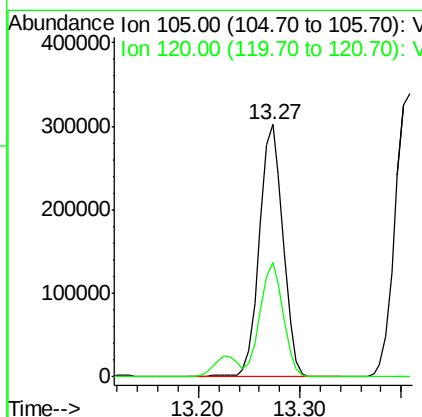
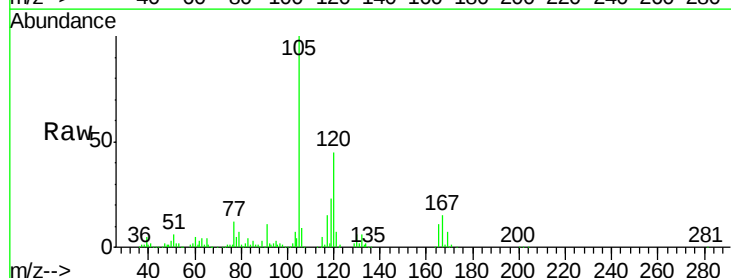
Manual Integrations
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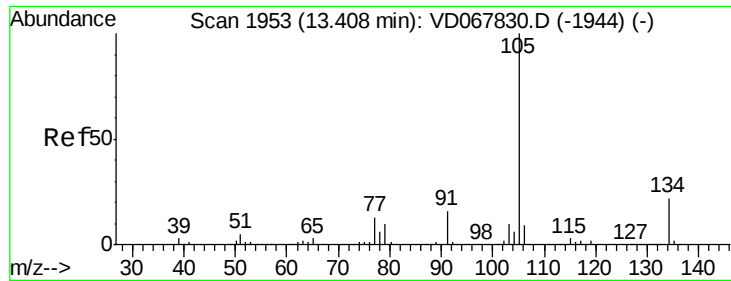
MMDadoda
12/2/2020 12:24:00 PM



#84
1,2,4-Trimethylbenzene
Concen: 51.014 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.5





#85

sec-Butylbenzene

Concen: 49.508 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 539839

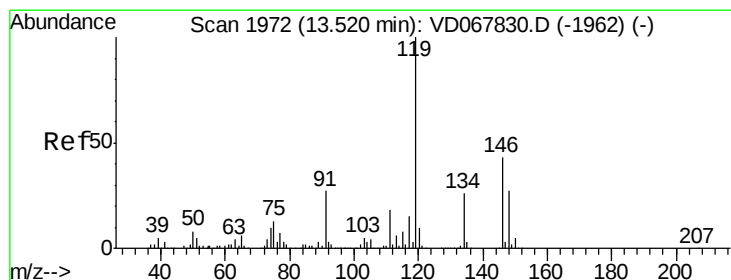
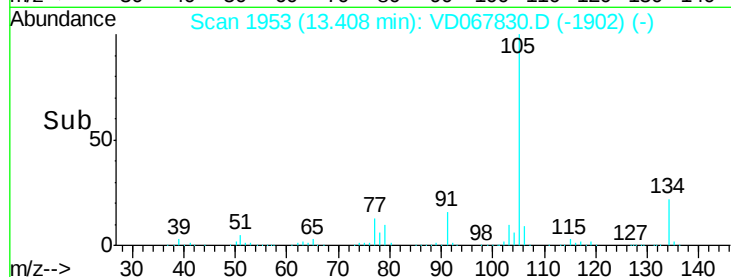
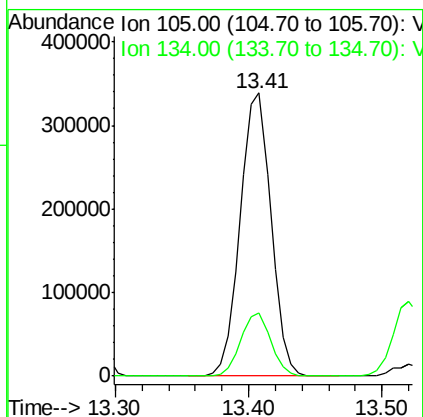
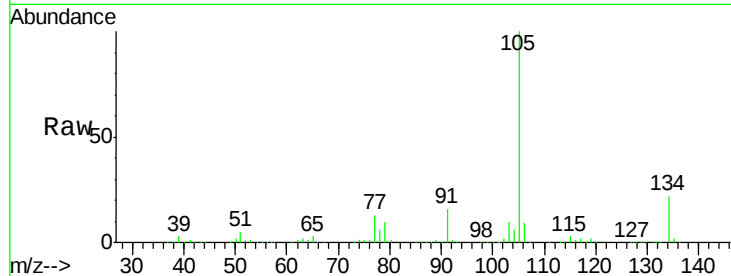
Ion Ratio Lower Upper

105 100

134 21.9 10.9 32.9

Manual Integrations
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12/2/2020 12:24:00 PM



#86

p-Isopropyltoluene

Concen: 50.161 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067830.D

Acq: 01 Dec 2020 11:55

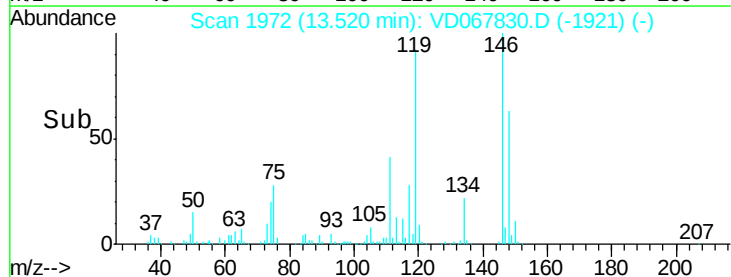
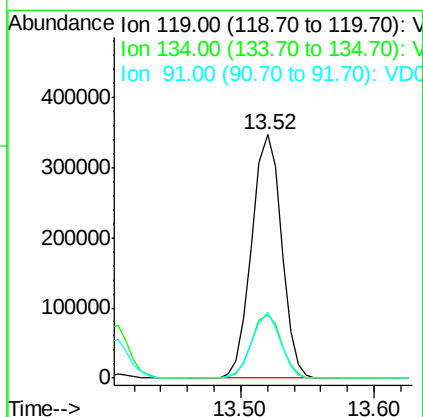
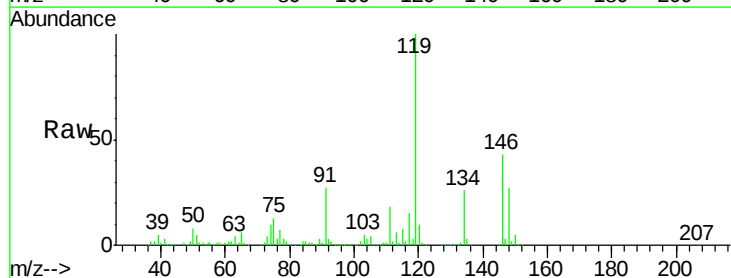
Tgt Ion:119 Resp: 536059

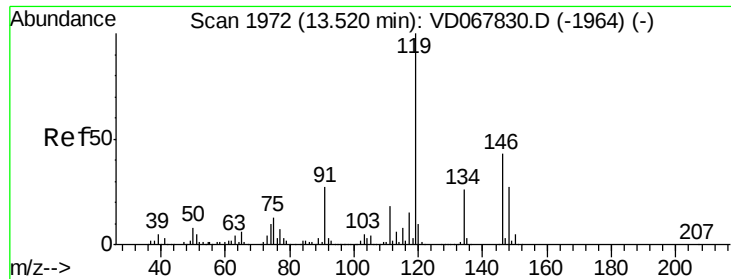
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 25.5 12.8 38.3





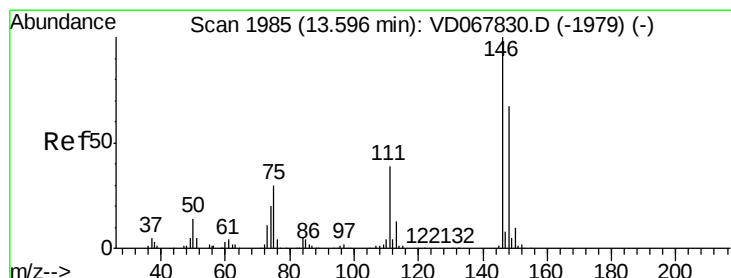
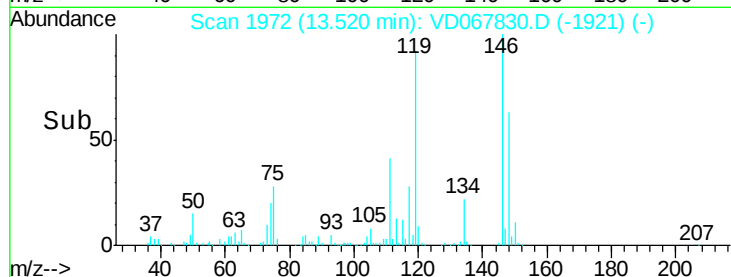
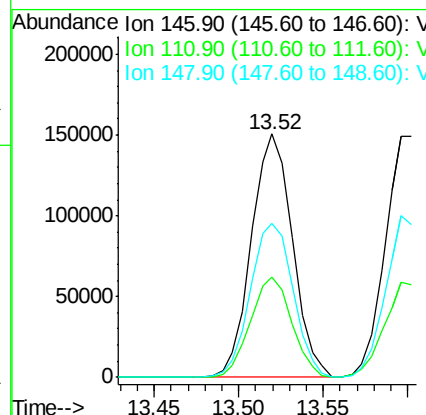
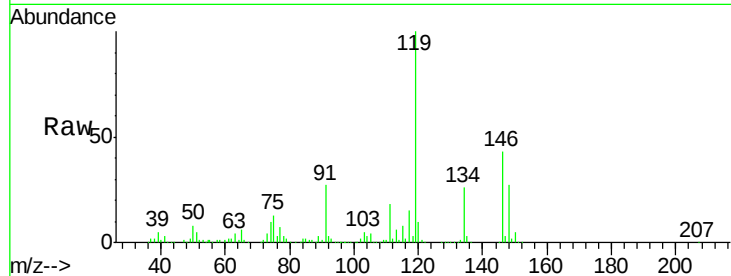
#87
 1,3-Dichlorobenzene
 Concen: 47.793 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067830.D
 Acq: 01 Dec 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.2
148	65.7	32.9	98.6

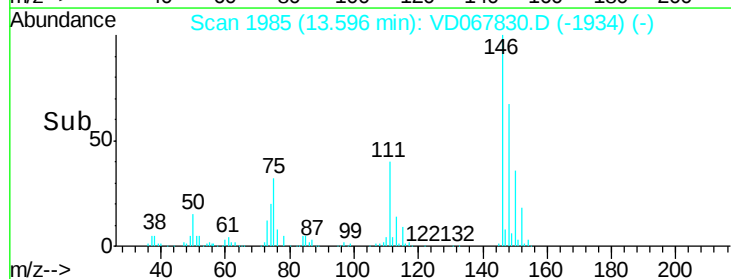
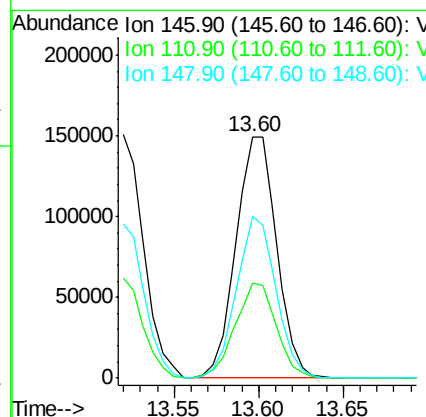
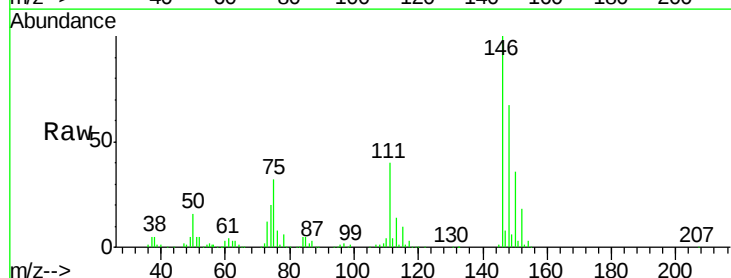
Manual Integrations
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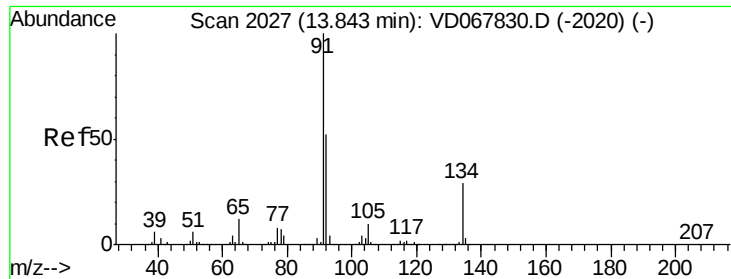
MMDadoda
 12/2/2020 12:24:00 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.165 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067830.D
 Acq: 01 Dec 2020 11:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.9	59.6
148	64.8	32.4	97.2





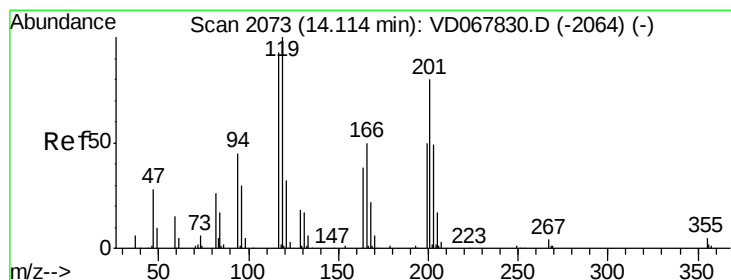
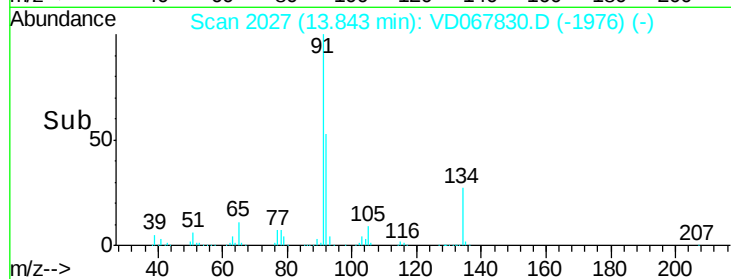
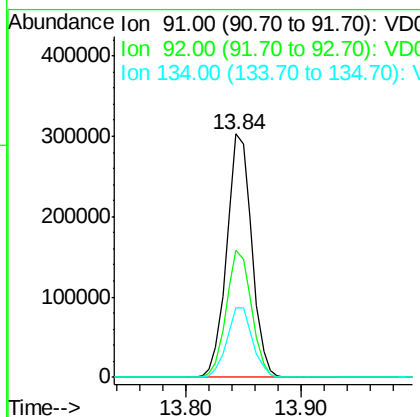
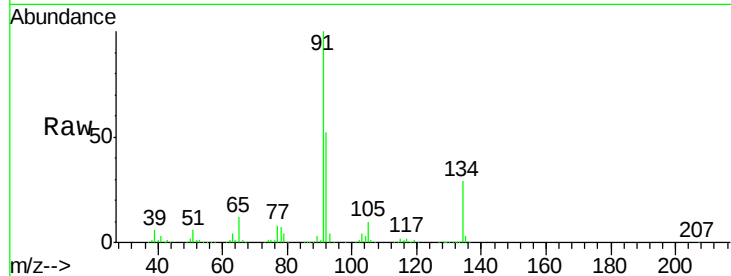
#89
n-Butylbenzene
Concen: 50.976 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		452592		
92	52.5	26.3		78.8	
134	29.5	14.8		44.3	

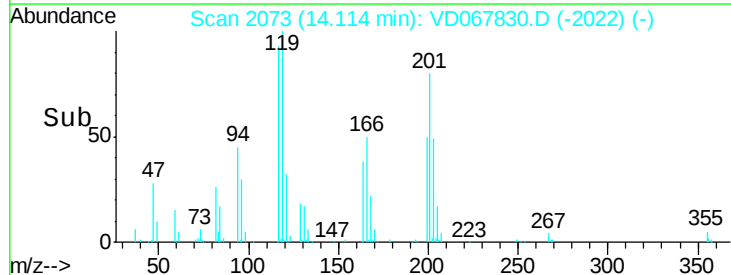
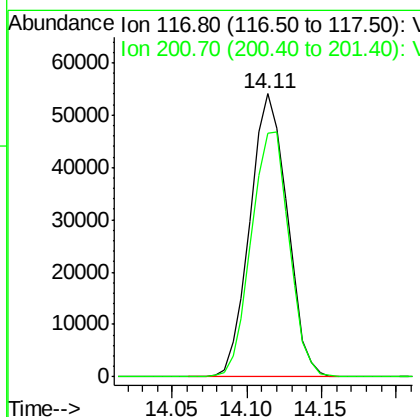
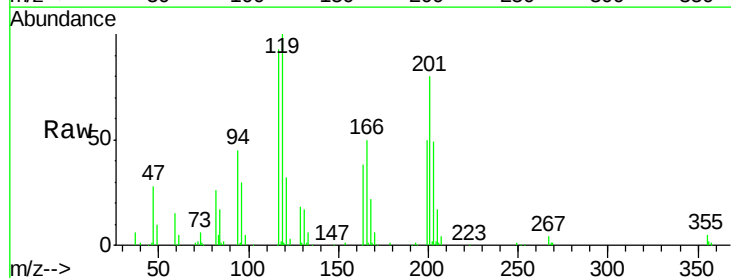
Manual Integrations
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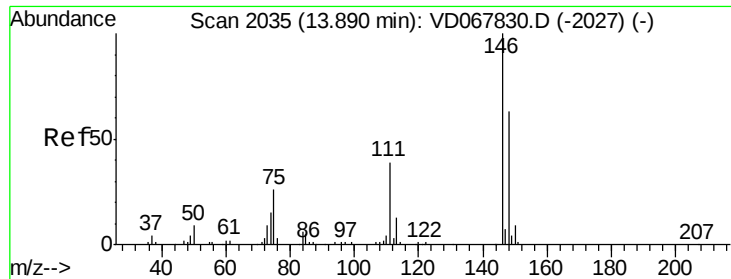
MMDadoda
12/2/2020 12:24:00 PM



#90
Hexachloroethane
Concen: 47.435 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		93590		
201	87.7	43.9		131.6	





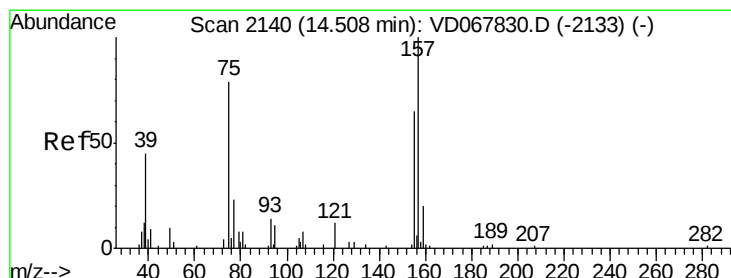
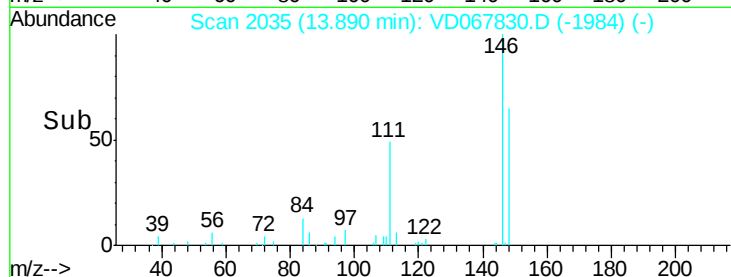
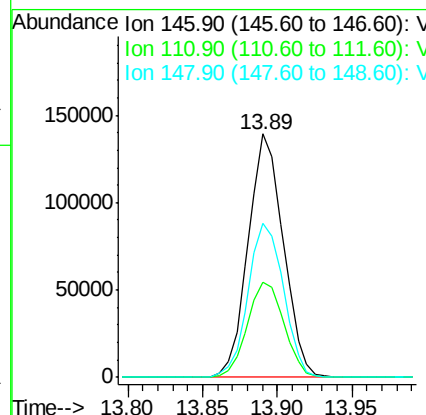
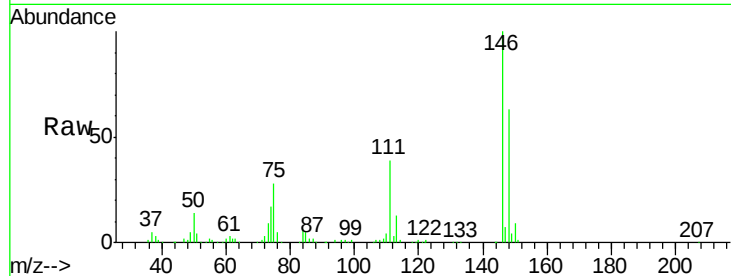
#91
 1,2-Dichlorobenzene
 Concen: 49.102 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD067830.D
 Acq: 01 Dec 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	226461		
111	40.8		20.4	61.2
148	64.2		32.1	96.3

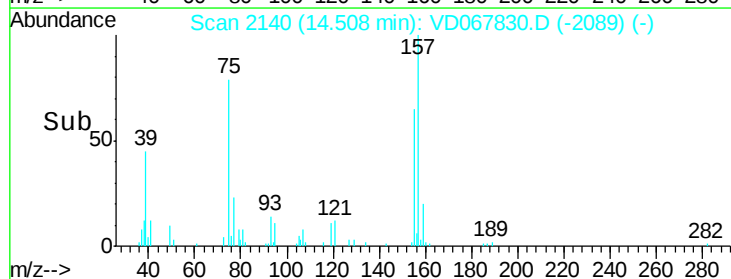
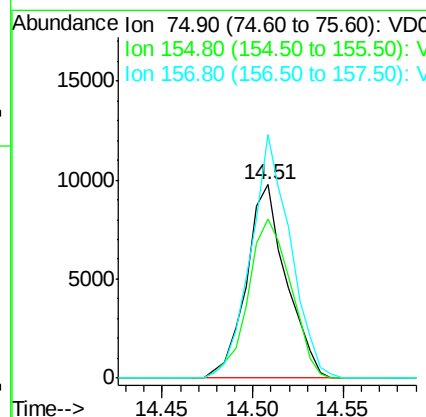
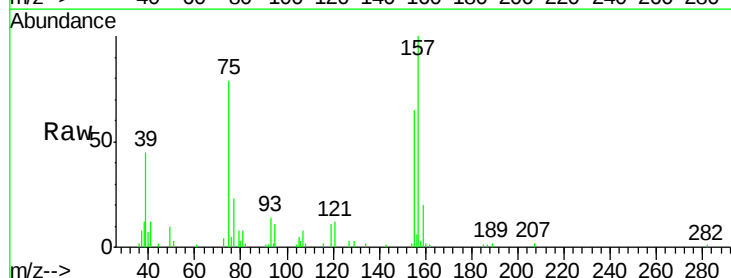
Manual Integrations
 APPROVED

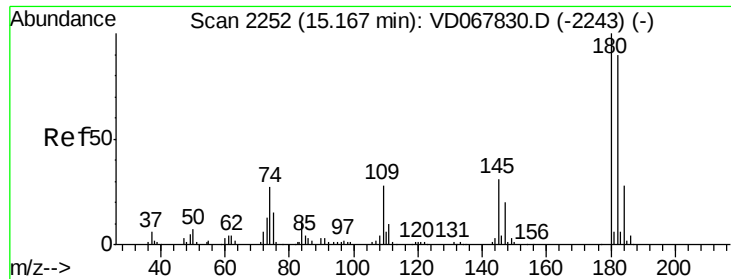
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.857 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD067830.D
 Acq: 01 Dec 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	14927		
155	88.3		44.1	132.4
157	124.8		62.4	187.2





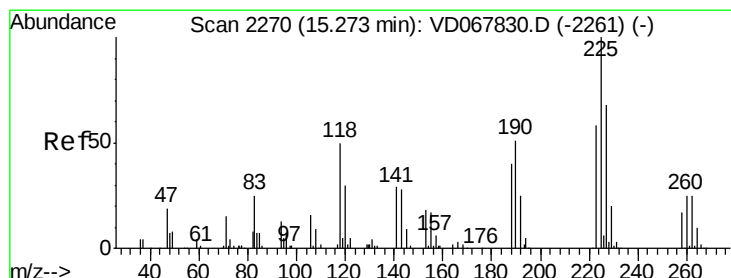
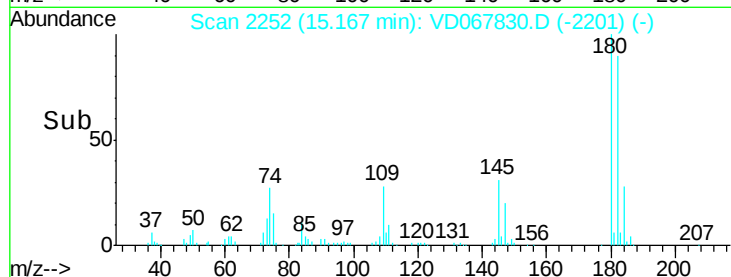
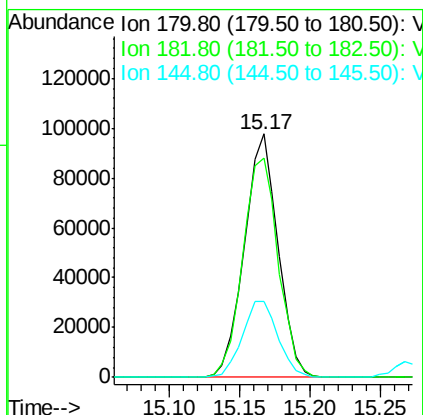
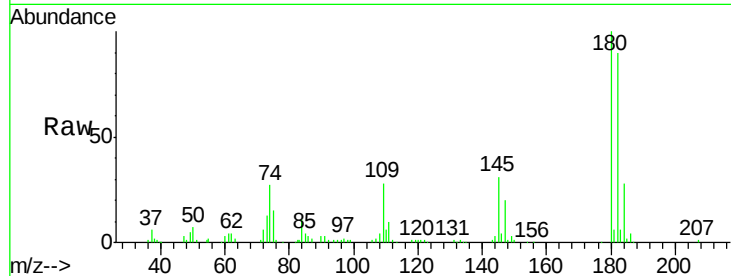
#93
 1,2,4-Trichlorobenzene
 Concen: 50.575 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067830.D
 Acq: 01 Dec 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.6
145	32.9	16.4	49.4

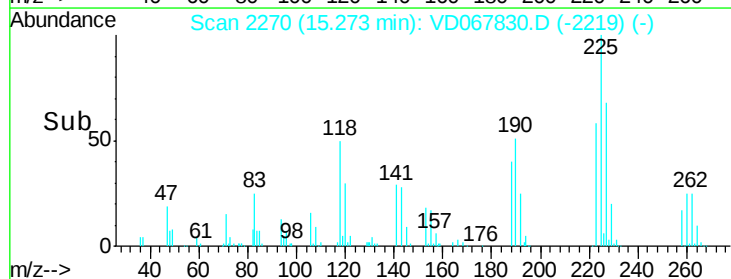
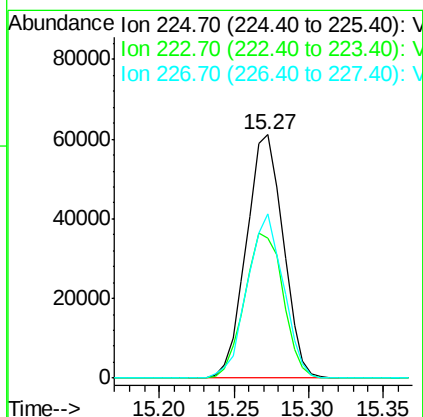
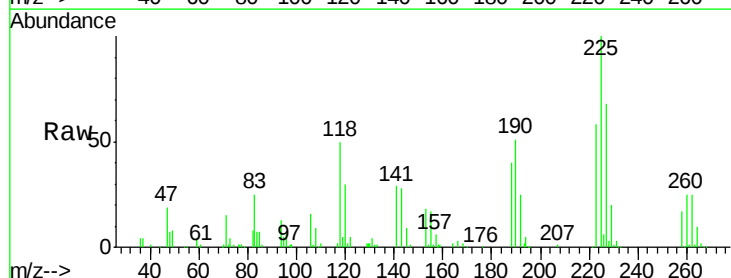
Manual Integrations
 APPROVED

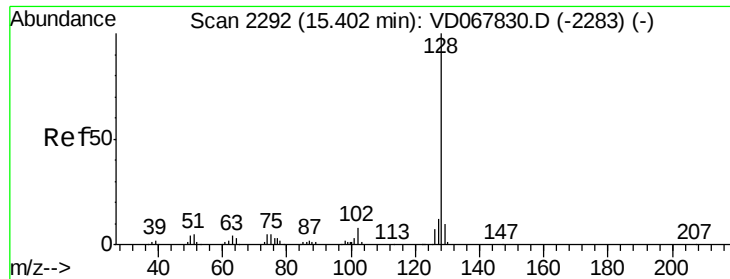
MMDadoda
 12/2/2020 12:24:00 PM



#94
 Hexachlorobutadiene
 Concen: 49.641 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067830.D
 Acq: 01 Dec 2020 11:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.1	93.3
227	66.2	33.1	99.3





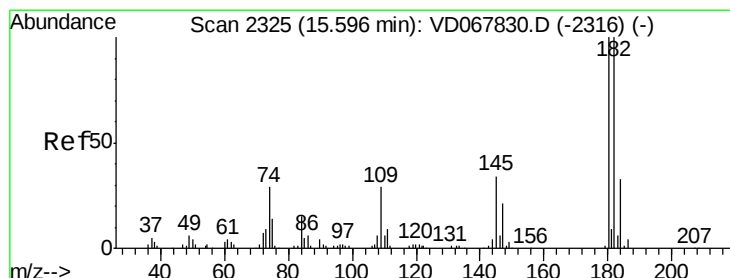
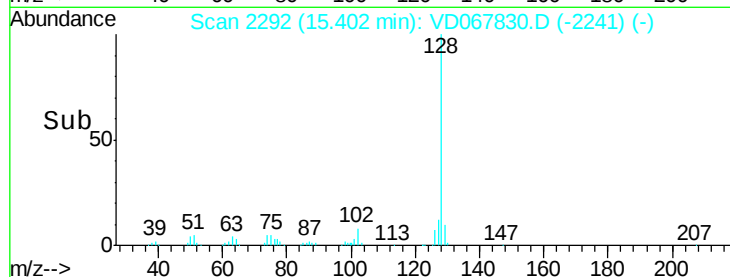
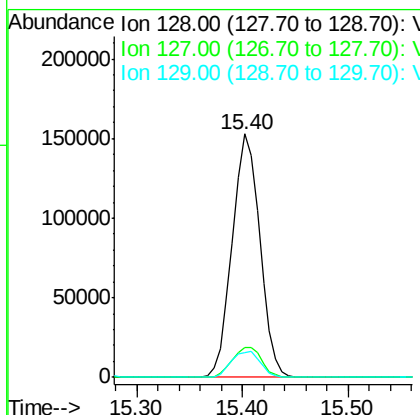
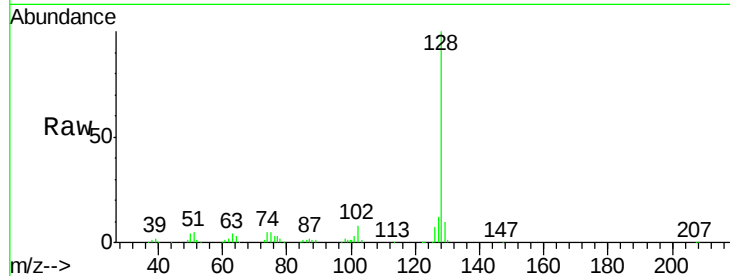
#95
Naphthalene
Concen: 52.641 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	11.3	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
12/2/2020 12:24:00 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.968 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VD067830.D
Acq: 01 Dec 2020 11:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	142.0
145	33.6	16.8	50.4

