

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067051.D
 Acq On : 02 Oct 2020 23:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 5:34:34 PM

Quant Time: Oct 03 05:43:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	440330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	700152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	646987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	311507	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	227340	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	
35) Dibromofluoromethane	7.91	113	249716	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	
50) Toluene-d8	10.34	98	907857	54.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.70%	
62) 4-Bromofluorobenzene	12.63	95	313602	55.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	177245	50.001	ug/l	97
3) Chloromethane	2.20	50	157106	44.802	ug/l	96
4) Vinyl Chloride	2.34	62	151849	43.186	ug/l	97
5) Bromomethane	2.77	94	115072	50.846	ug/l	96
6) Chloroethane	2.92	64	97201	45.393	ug/l	93
7) Trichlorofluoromethane	3.27	101	343905	44.023	ug/l	95
8) Diethyl Ether	3.71	74	101376	52.331	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	204348	46.280	ug/l	99
10) Methyl Iodide	4.30	142	215639	50.261	ug/l	99
11) Tert butyl alcohol	5.22	59	61373	246.166	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	191547	46.146	ug/l	98
13) Acrolein	3.92	56	62937	221.615	ug/l	99
14) Allyl chloride	4.71	41	264923	49.129	ug/l	98
15) Acrylonitrile	5.42	53	186804	262.003	ug/l	98
16) Acetone	4.16	43	157814	243.755	ug/l	99
17) Carbon Disulfide	4.41	76	591083	46.400	ug/l	99
18) Methyl Acetate	4.72	43	91621	56.306	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	405824	53.557	ug/l	100
20) Methylene Chloride	4.97	84	238703	52.289	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	230675	48.832	ug/l	97
22) Diisopropyl ether	6.36	45	509776	51.783	ug/l	98
23) Vinyl Acetate	6.31	43	1501804	269.212	ug/l	98
24) 1,1-Dichloroethane	6.27	63	372157	48.984	ug/l	100
25) 2-Butanone	7.21	43	234383	255.346	ug/l	94
26) 2,2-Dichloropropane	7.21	77	300883	45.983	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	256553	50.852	ug/l	97
28) Bromochloromethane	7.54	49	150882	51.425	ug/l	98
29) Tetrahydrofuran	7.56	42	141407	267.925	ug/l	97
30) Chloroform	7.71	83	409385	49.673	ug/l	97
31) Cyclohexane	7.98	56	276126	43.352	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	367430	48.105	ug/l	97
36) 1,1-Dichloropropene	8.11	75	300035	45.974	ug/l	98
37) Ethyl Acetate	7.29	43	112289	49.667	ug/l	96
38) Carbon Tetrachloride	8.10	117	328743	46.556	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	318230	46.122	ug/l	97
40) Benzene	8.35	78	875340	48.290	ug/l	95
41) Methacrylonitrile	7.52	41	66056	54.082	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	245510	48.470	ug/l	98
43) Isopropyl Acetate	8.45	43	214151	51.417	ug/l	99
44) Trichloroethene	9.11	130	259682	47.975	ug/l	98
45) 1,2-Dichloropropane	9.38	63	216357	50.799	ug/l	99
46) Dibromomethane	9.47	93	125099	51.104	ug/l	99
47) Bromodichloromethane	9.66	83	321755	50.564	ug/l	98
48) Methyl methacrylate	9.46	41	102663	48.113	ug/l #	80
49) 1,4-Dioxane	9.46	88	27134	1062.054	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	560312	270.086	ug/l	100
52) Toluene	10.40	92	591400	50.647	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	282457	49.667	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	342705	49.349	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	178757	52.524	ug/l	98
56) Ethyl methacrylate	10.66	69	197473	56.200	ug/l	97
57) 1,3-Dichloropropane	10.94	76	285748	51.776	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	553009	282.767	ug/l	99
59) 2-Hexanone	10.98	43	374073	270.157	ug/l	96
60) Dibromochloromethane	11.14	129	229500	50.594	ug/l	95
61) 1,2-Dibromoethane	11.24	107	172791	52.846	ug/l	99
64) Tetrachloroethene	10.87	164	219021	46.565	ug/l	95
65) Chlorobenzene	11.67	112	633312	49.217	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	243529	49.754	ug/l	100
67) Ethyl Benzene	11.74	91	1100137	49.898	ug/l	98
68) m/p-Xylenes	11.86	106	847020	98.579	ug/l	99
69) o-Xylene	12.18	106	393403	51.200	ug/l	97
70) Styrene	12.20	104	684891	51.909	ug/l	99
71) Bromoform	12.36	173	131733	51.848	ug/l #	96
73) Isopropylbenzene	12.48	105	1060092	50.118	ug/l	100
74) N-amyl acetate	12.29	43	198077	52.093	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	179194	50.282	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	139482m	51.406	ug/l	
77) Bromobenzene	12.76	156	257076	50.334	ug/l	99
78) n-propylbenzene	12.82	91	1233040	49.326	ug/l	99
79) 2-Chlorotoluene	12.91	91	718417	50.231	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	906692	50.736	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	54024	49.640	ug/l	98
82) 4-Chlorotoluene	13.01	91	745451	48.988	ug/l	100
83) tert-Butylbenzene	13.23	119	750629	49.879	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	907840	50.904	ug/l	99
85) sec-Butylbenzene	13.40	105	1039211	49.036	ug/l	100
86) p-Isopropyltoluene	13.52	119	978147	49.784	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	490943	49.350	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	483930	48.650	ug/l	98
89) n-Butylbenzene	13.85	91	872664	48.599	ug/l	99
90) Hexachloroethane	14.11	117	169710	49.310	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	435578	50.134	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	28770	50.081	ug/l	95

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	287383	51.138	ug/l	98
94) Hexachlorobutadiene	15.27	225	164533	47.672	ug/l	99
95) Naphthalene	15.41	128	528206	56.350	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	256916	52.663	ug/l	97

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

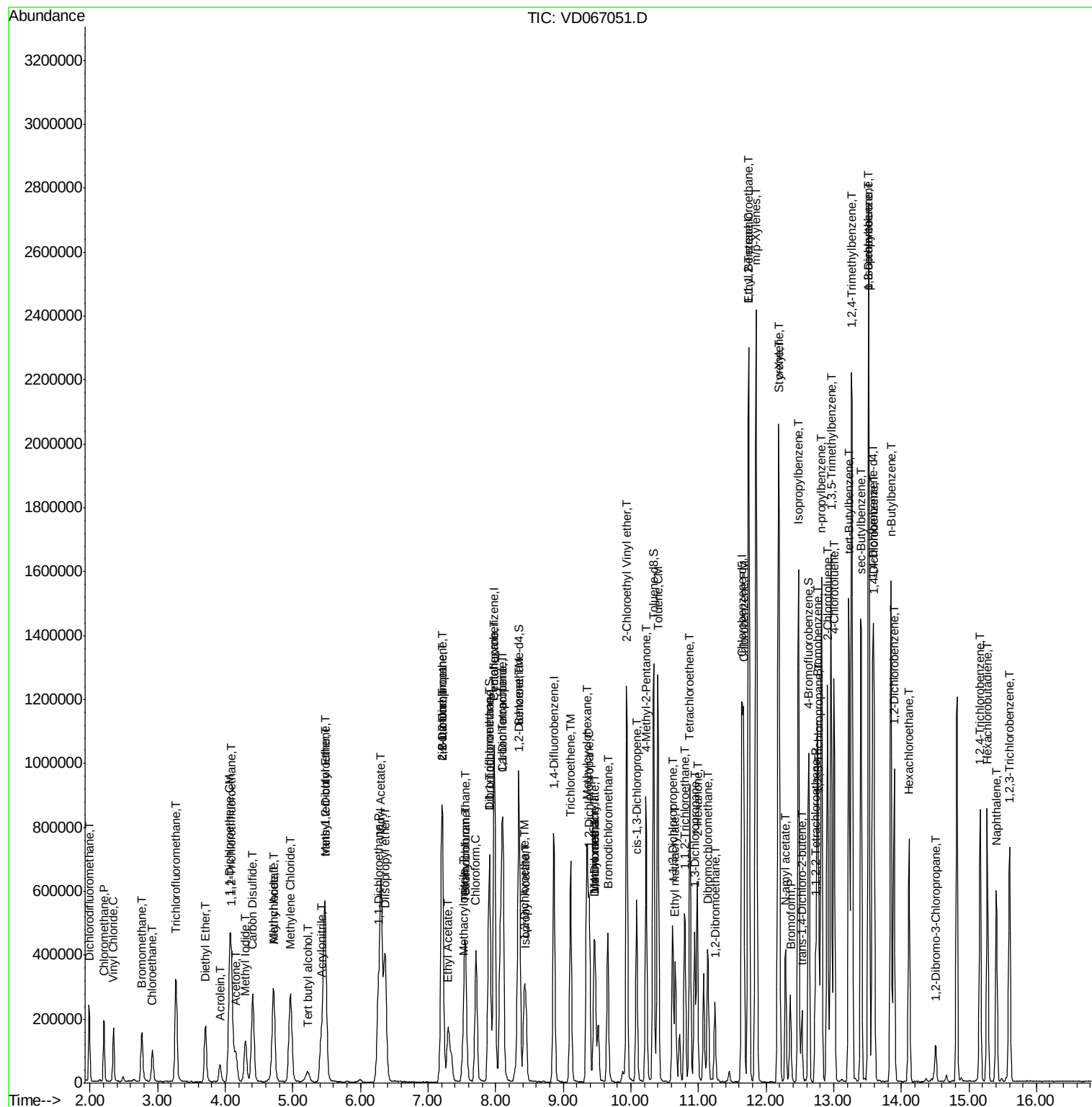
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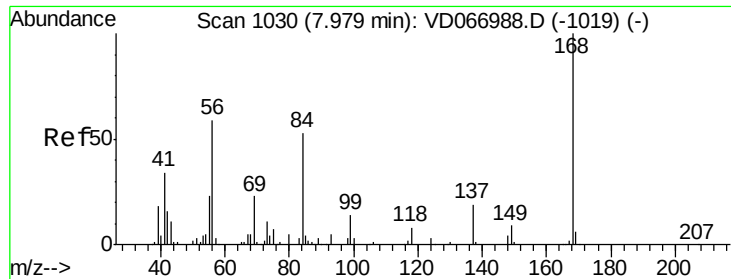
Instrument :
 MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 440330

Ion Ratio Lower Upper

168 100

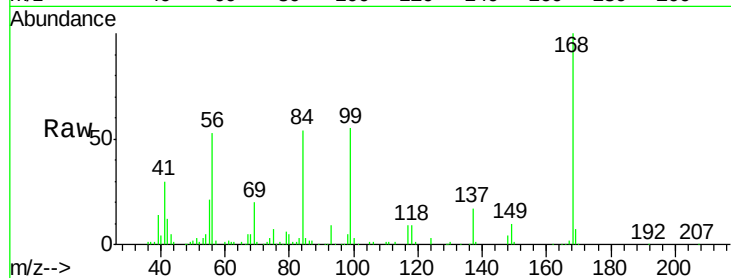
99 54.4 44.1 66.1

Manual Integrations

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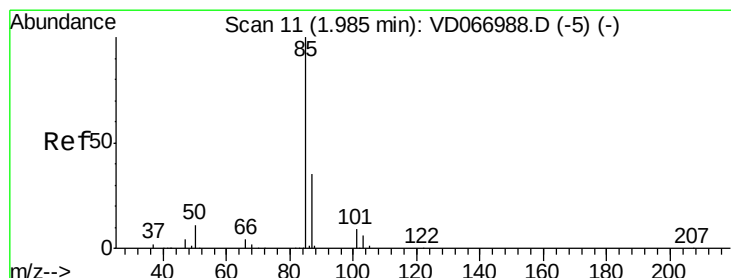
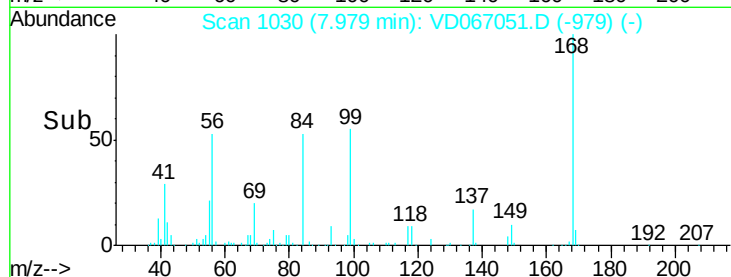
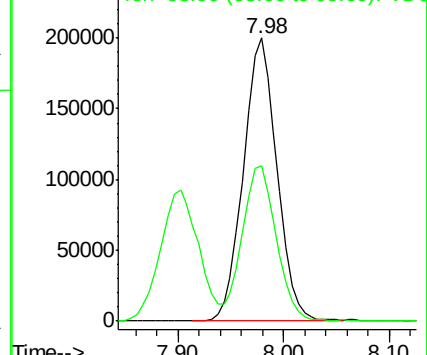
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 50.001 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067051.D

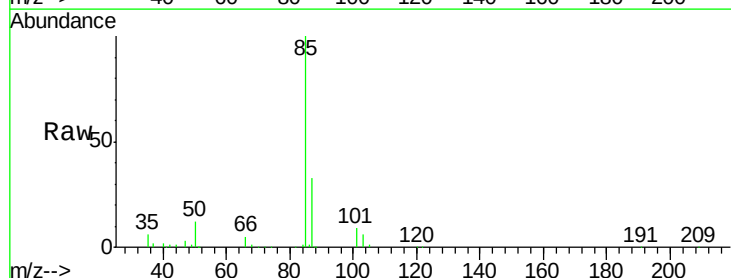
Acq: 02 Oct 2020 23:16

Tgt Ion: 85 Resp: 177245

Ion Ratio Lower Upper

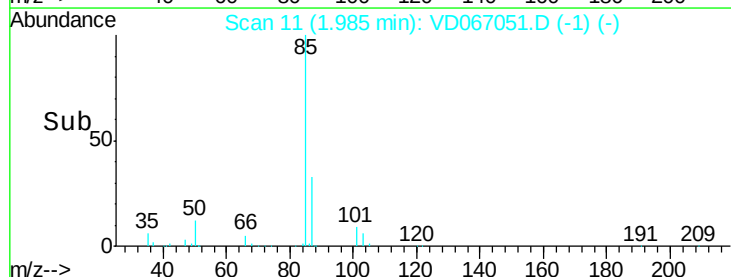
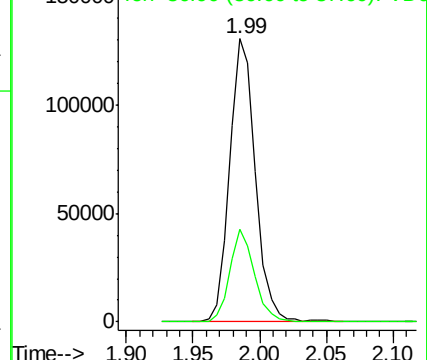
85 100

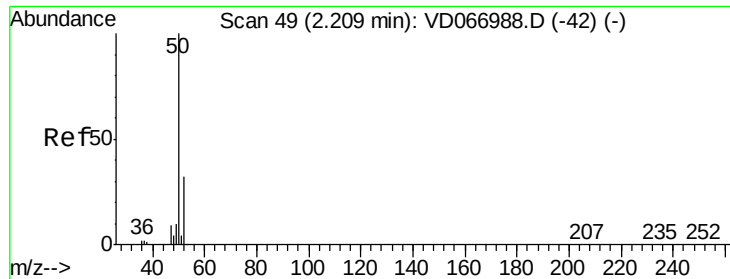
87 32.7 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.802 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 157106

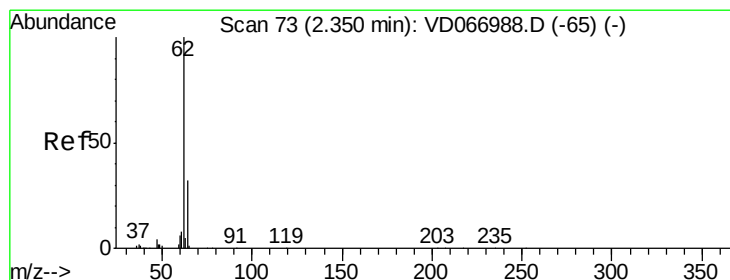
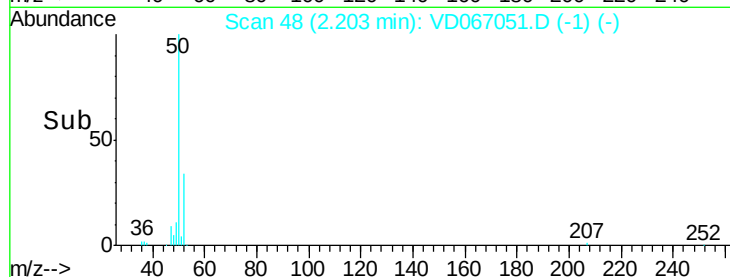
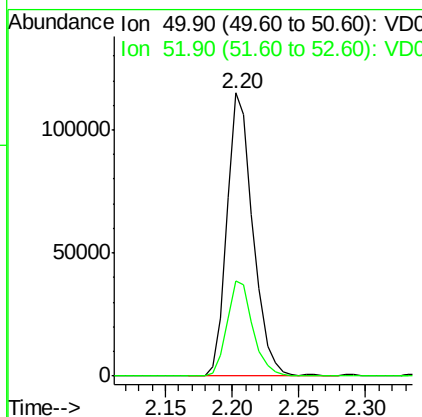
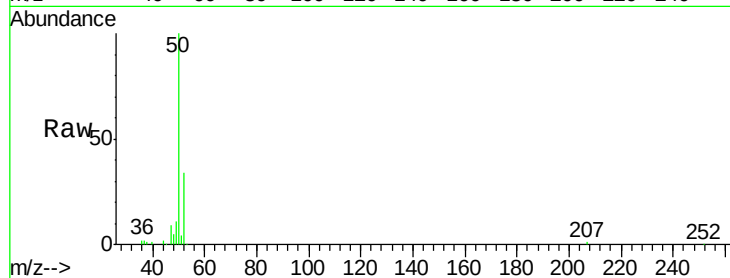
Ion Ratio Lower Upper

50 100

52 33.8 25.3 37.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 43.186 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD067051.D

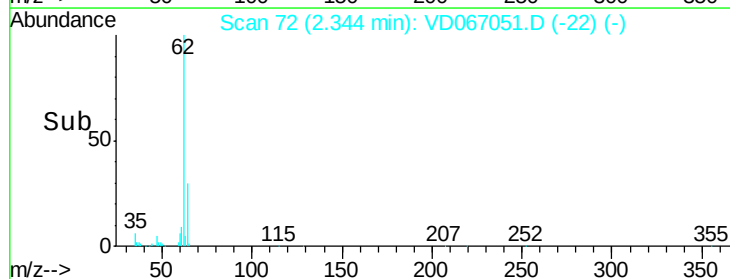
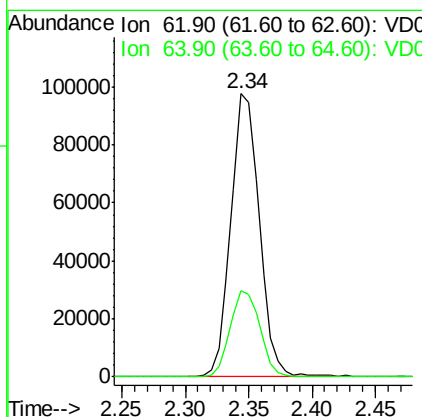
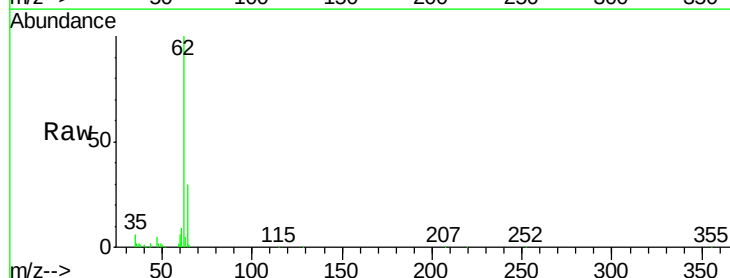
Acq: 02 Oct 2020 23:16

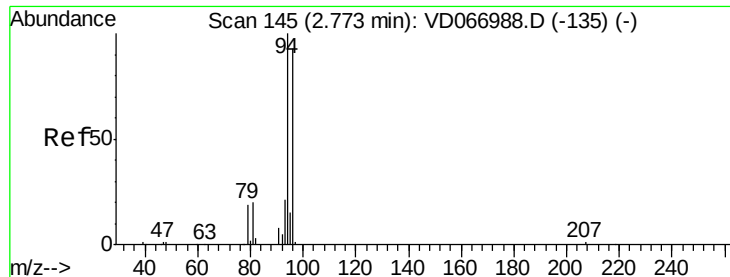
Tgt Ion: 62 Resp: 151849

Ion Ratio Lower Upper

62 100

64 30.4 25.8 38.8





#5

Bromomethane

Concen: 50.846 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 115072

Ion Ratio Lower Upper

94 100

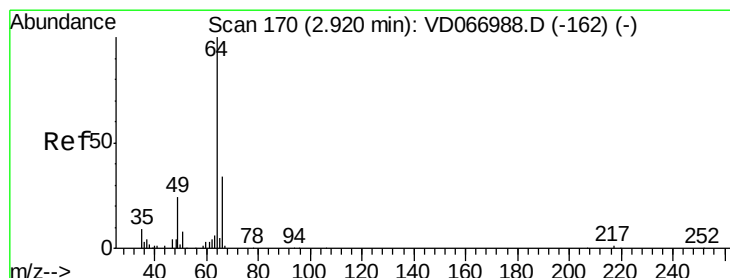
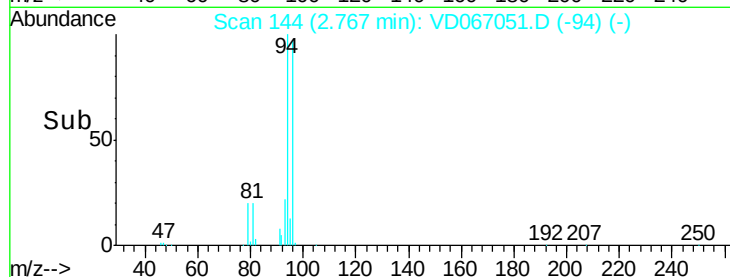
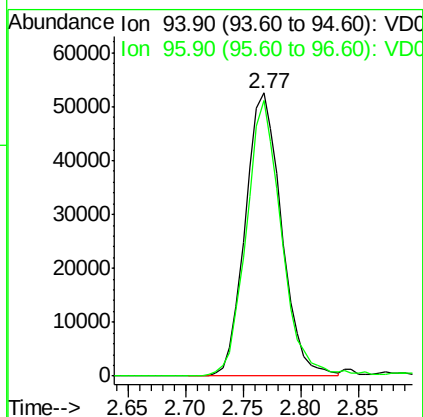
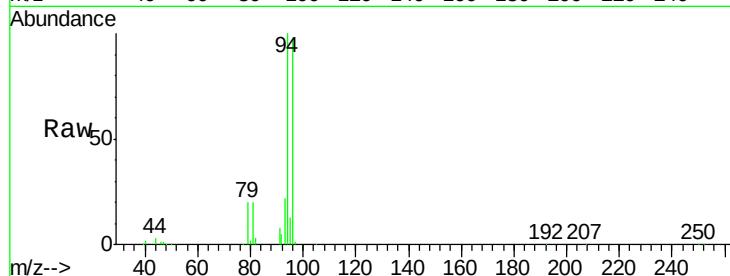
96 97.2 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 45.393 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067051.D

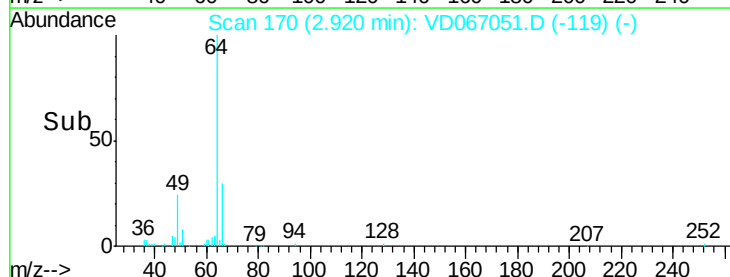
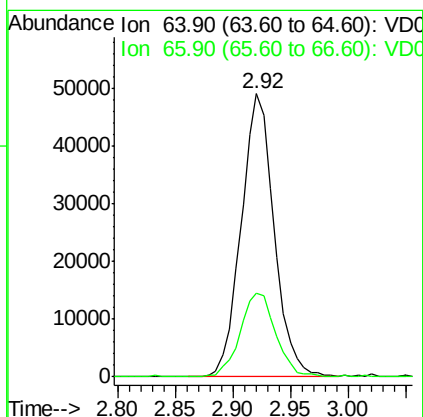
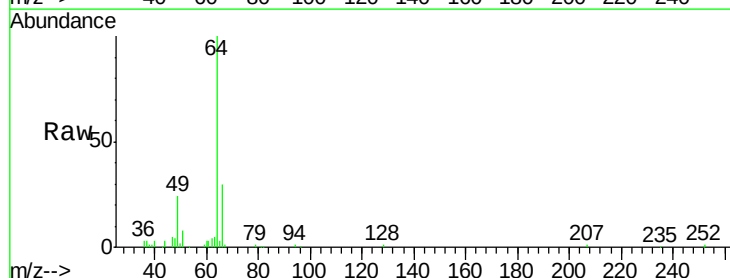
Acq: 02 Oct 2020 23:16

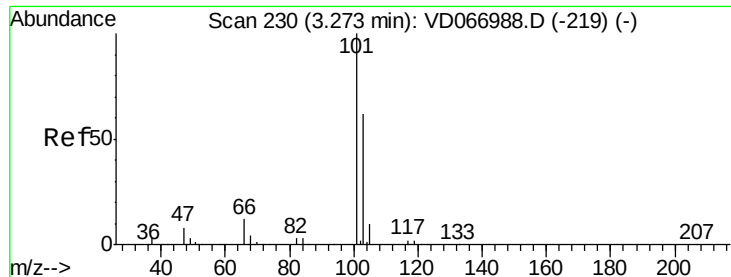
Tgt Ion: 64 Resp: 97201

Ion Ratio Lower Upper

64 100

66 29.6 27.0 40.6





#7

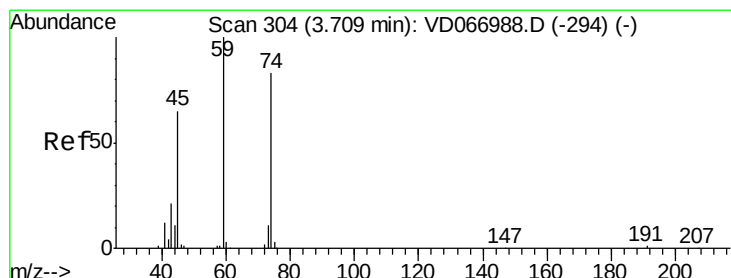
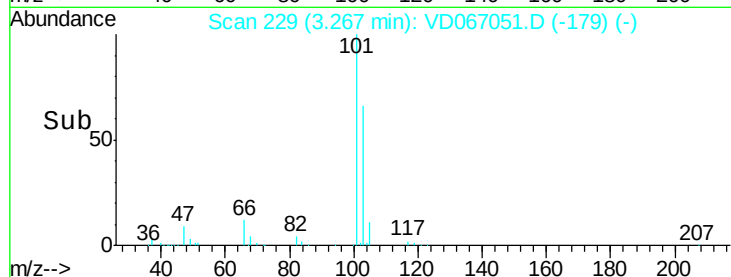
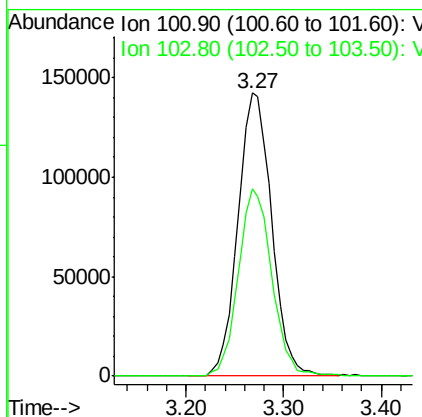
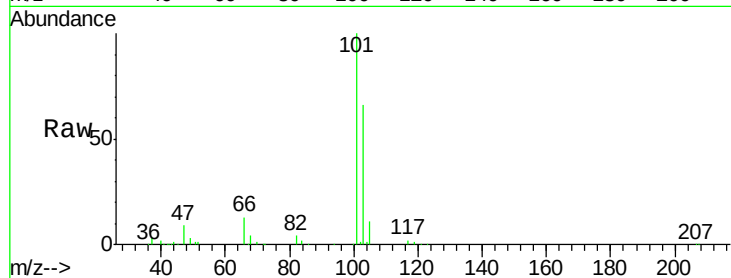
Trichlorofluoromethane
 Concen: 44.023 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	49.8	74.8

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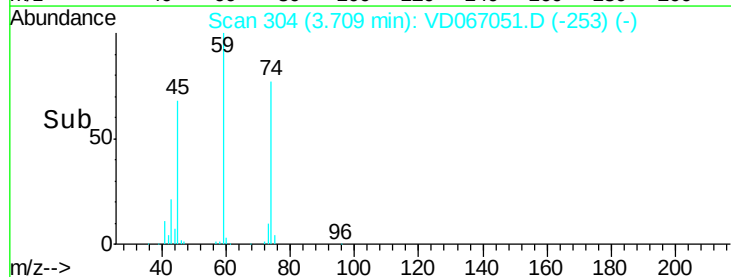
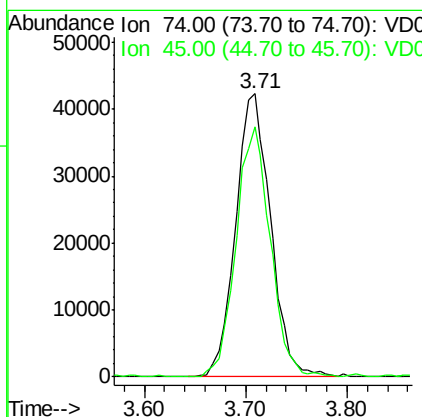
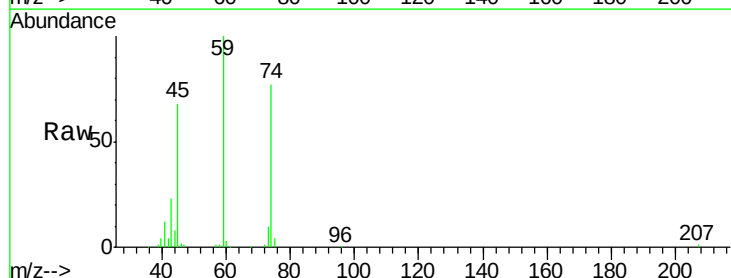
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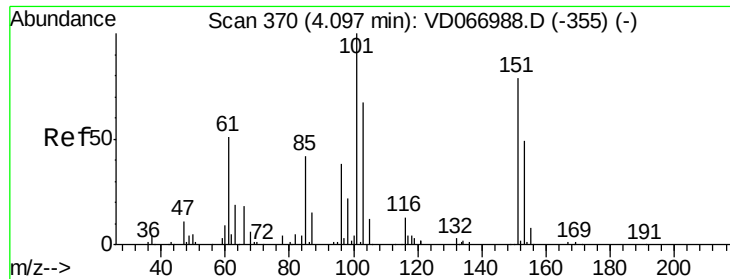


#8

Diethyl Ether
 Concen: 52.331 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD067051.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.5	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.280 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

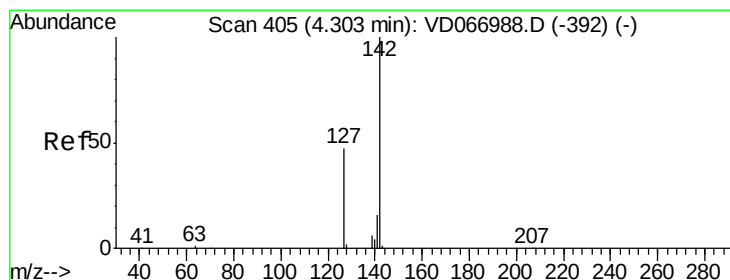
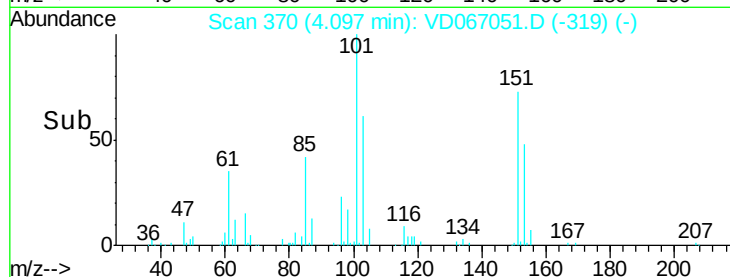
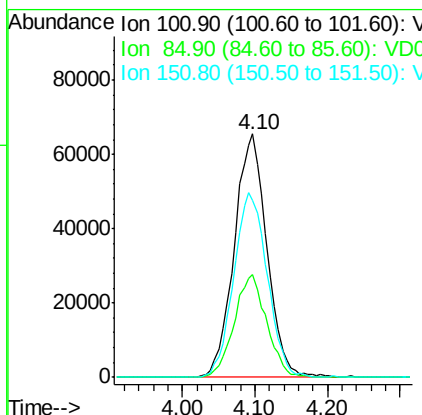
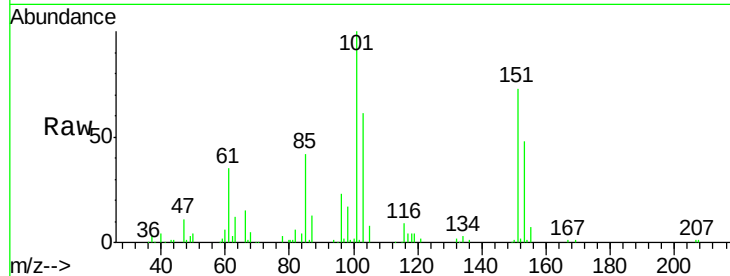
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	204348
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.8	50.8
151	78.1	63.8	95.8

Manual Integrations
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#10

Methyl Iodide

Concen: 50.261 ug/l

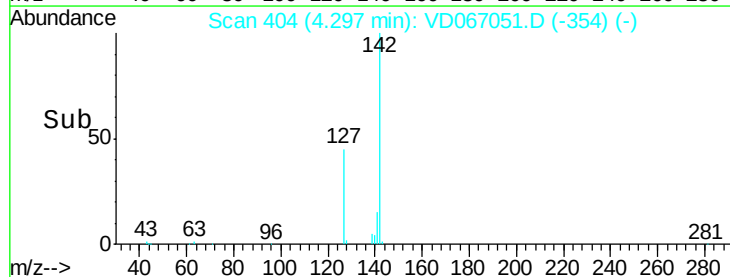
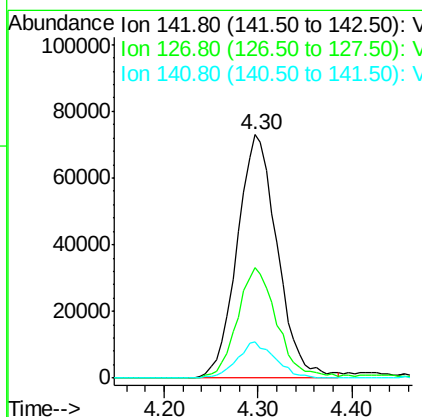
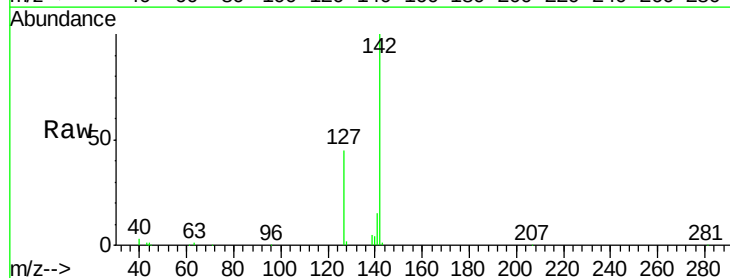
RT: 4.30 min Scan# 404

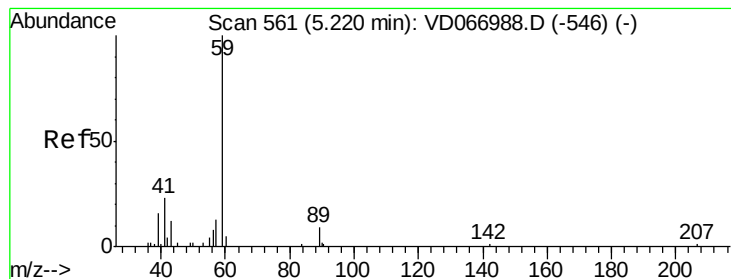
Delta R.T. -0.01 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Tgt Ion:	142	Resp:	215639
Ion Ratio	Lower	Upper	
142	100		
127	44.7	36.3	54.5
141	14.2	12.0	18.0





#11

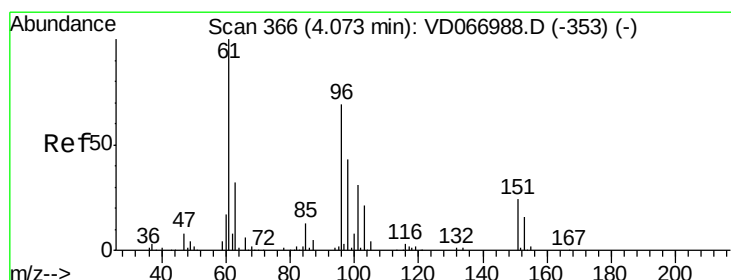
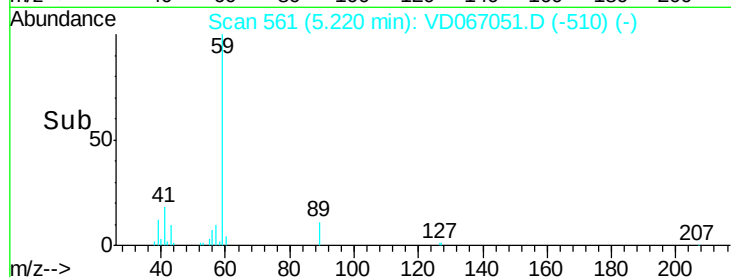
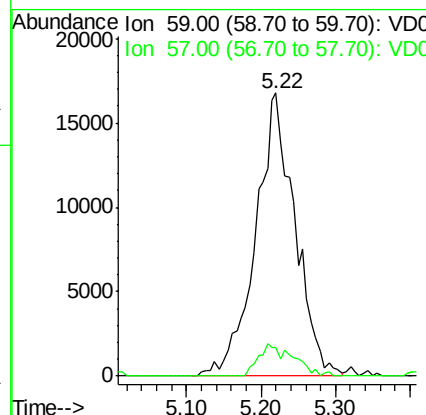
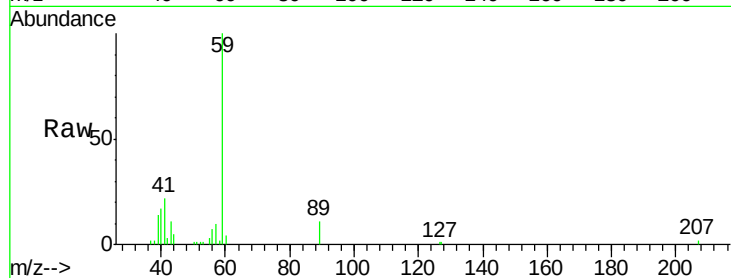
Tert butyl alcohol
Concen: 246.166 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.7	8.2	12.4#

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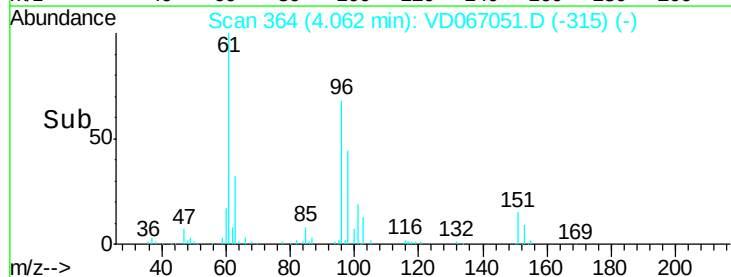
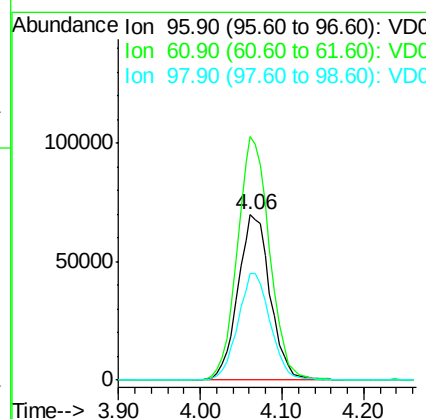
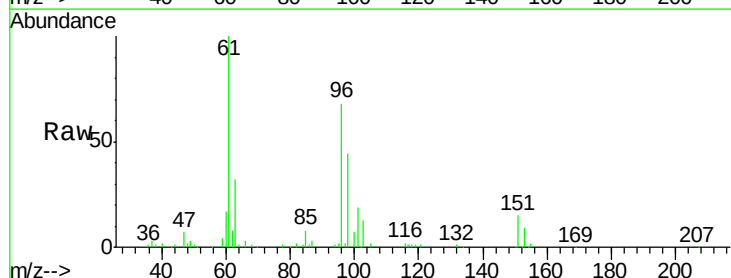
MMDadoda
10/5/2020 5:34:34 PM

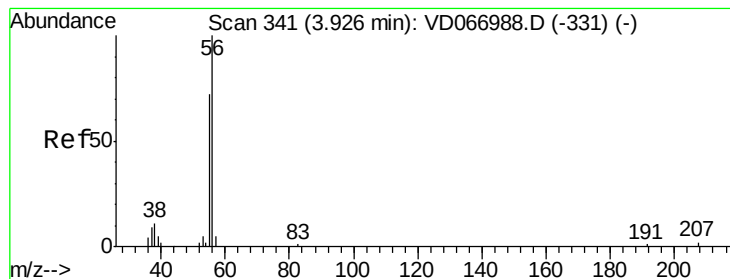


#12

1,1-Dichloroethene
Concen: 46.146 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.3	116.4	174.6
98	64.2	49.9	74.9





#13

Acrolein

Concen: 221.615 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 62937

Ion Ratio Lower Upper

56 100

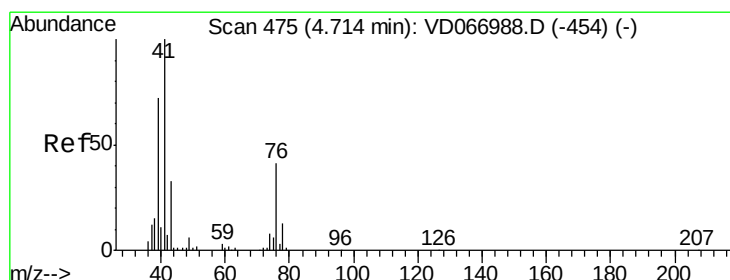
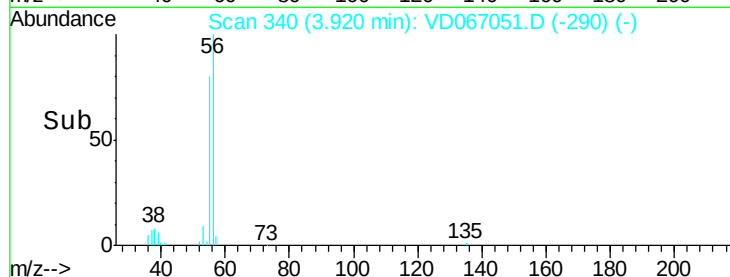
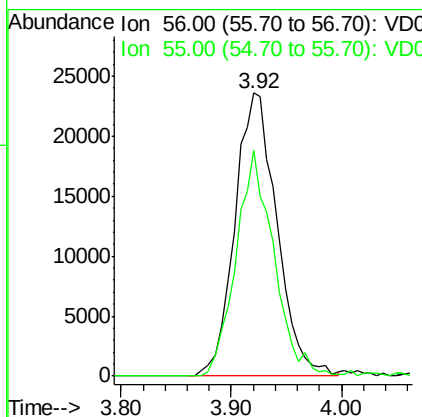
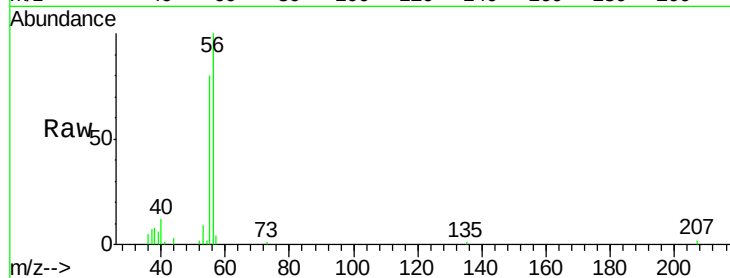
55 71.8 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 49.129 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

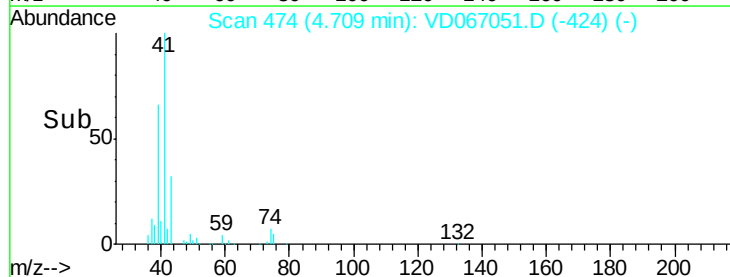
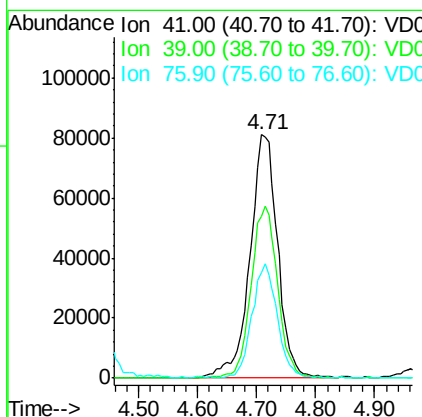
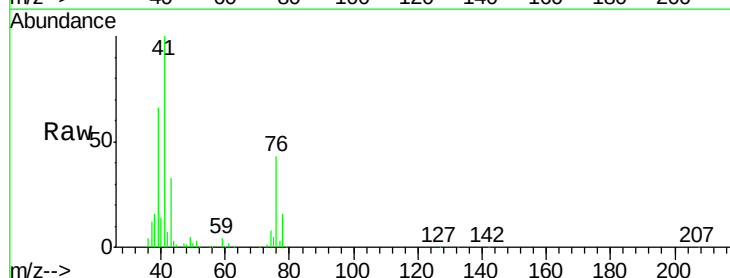
Tgt Ion: 41 Resp: 264923

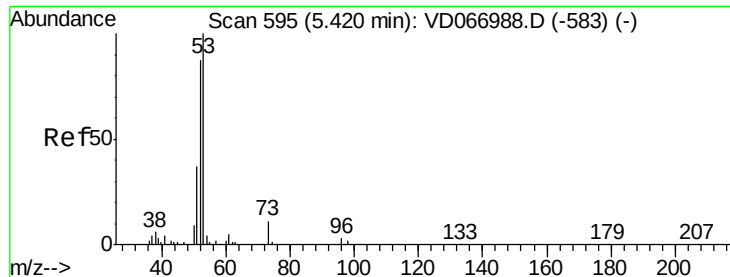
Ion Ratio Lower Upper

41 100

39 67.5 56.2 84.2

76 42.6 34.2 51.2





#15

Acrylonitrile

Concen: 262.003 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

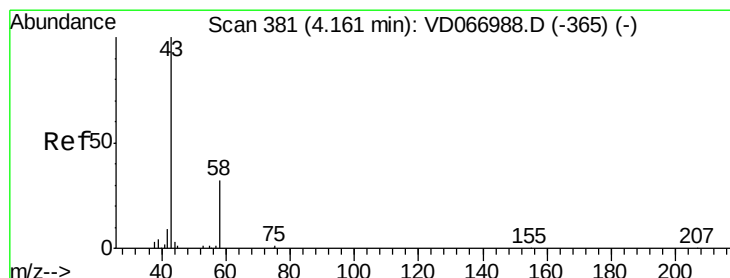
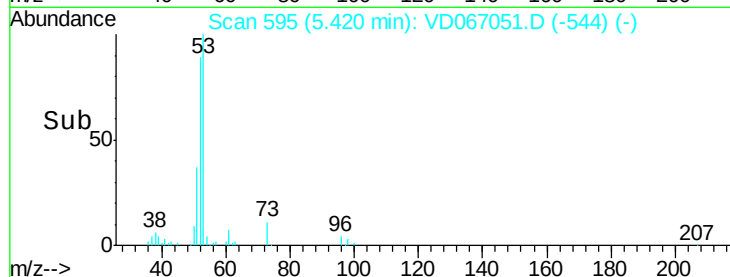
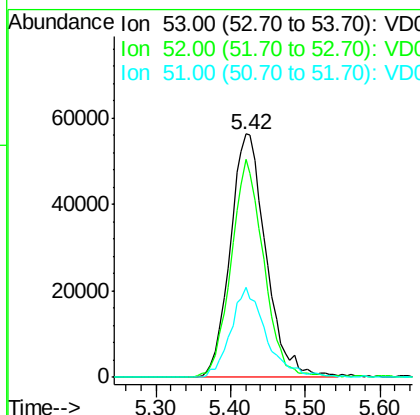
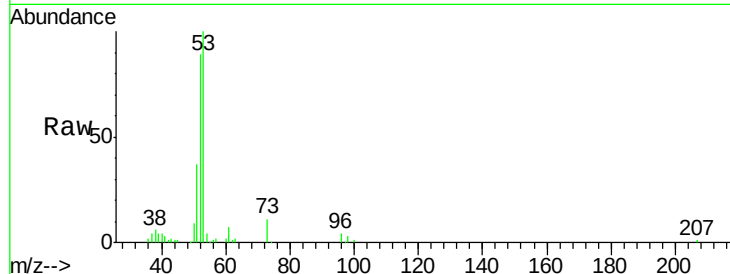
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	186804
Ion Ratio	Lower	Upper	
53	100		
52	82.2	67.3	100.9
51	36.7	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 243.755 ug/l

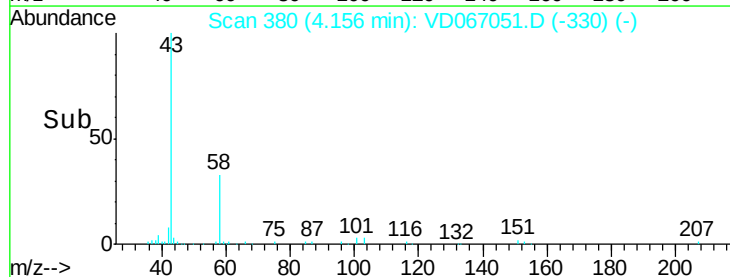
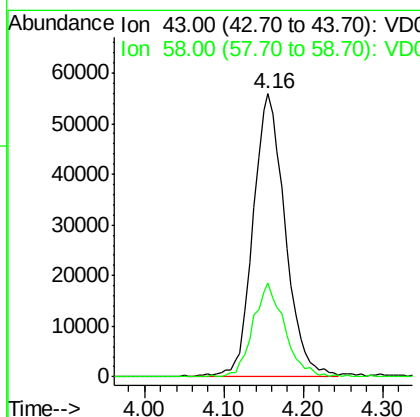
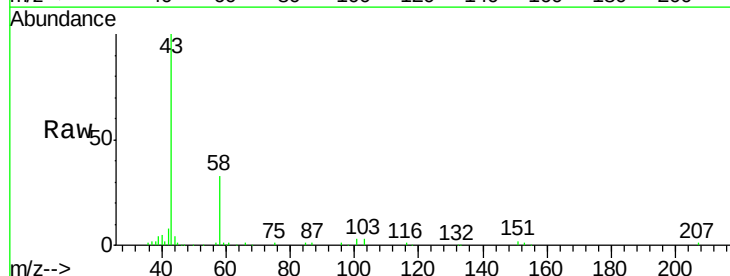
RT: 4.16 min Scan# 380

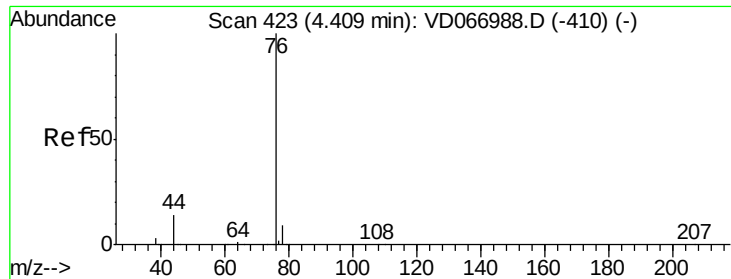
Delta R.T. -0.01 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Tgt Ion:	43	Resp:	157814
Ion Ratio	Lower	Upper	
43	100		
58	32.8	25.9	38.9





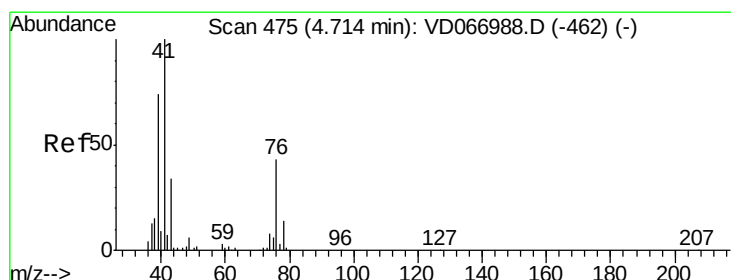
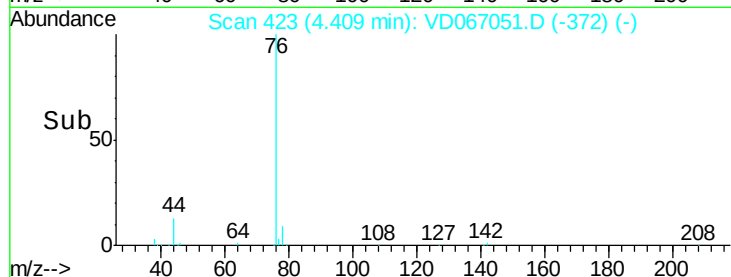
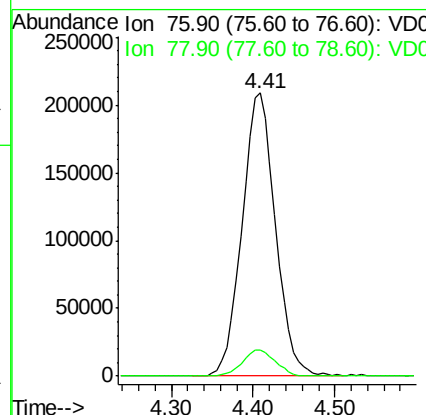
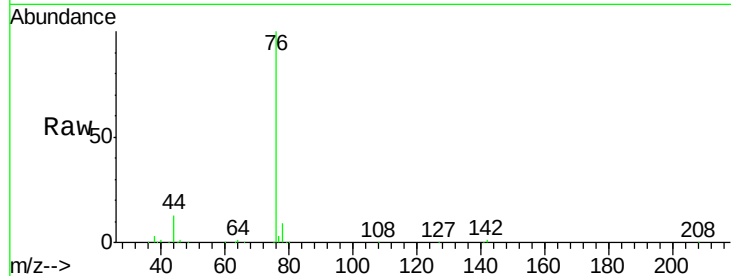
#17
Carbon Disulfide
Concen: 46.400 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
76	76	100		
78	78	9.2	7.5	11.3

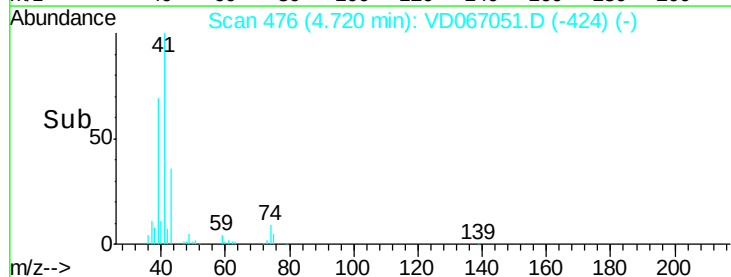
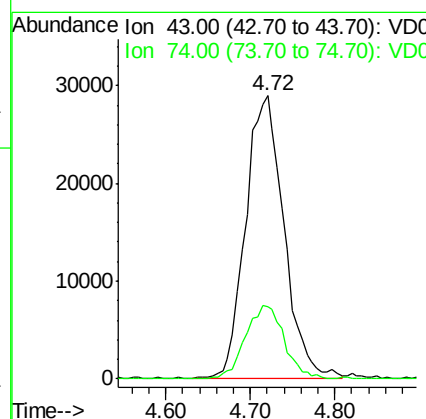
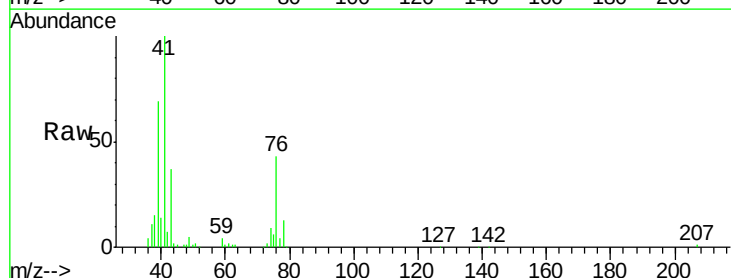
Manual Integrations
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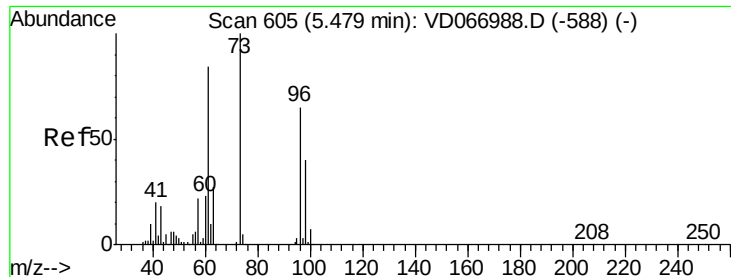
MMDadoda
10/5/2020 5:34:34 PM



#18
Methyl Acetate
Concen: 56.306 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion	Ion	Ratio	Lower	Upper
43	43	100		
74	74	26.1	21.5	32.3





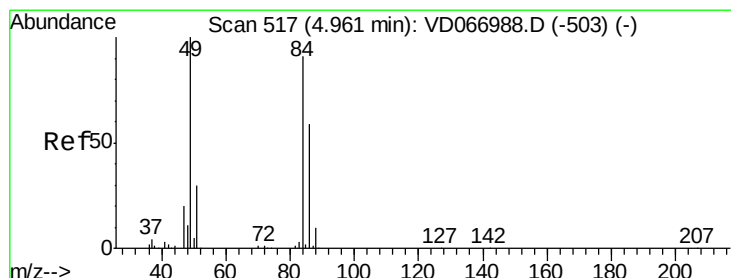
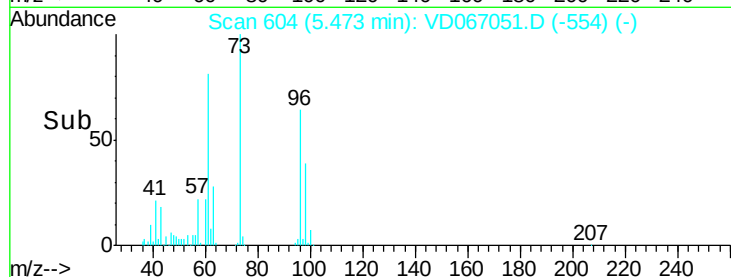
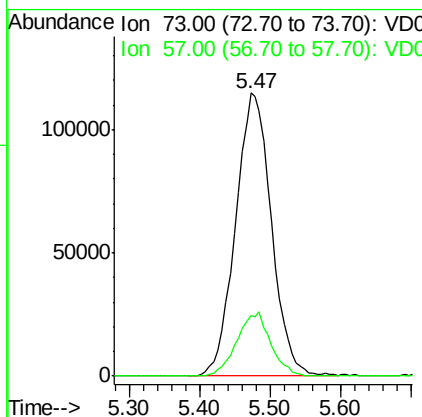
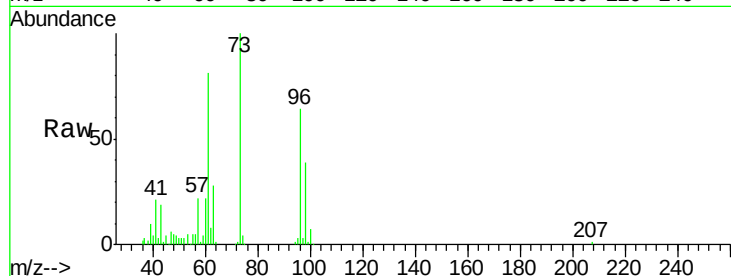
#19
Methyl tert-butyl Ether
Concen: 53.557 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.0

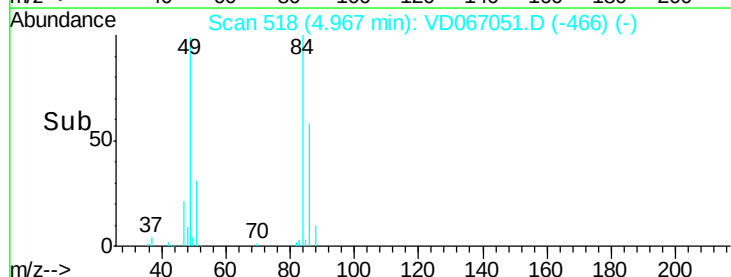
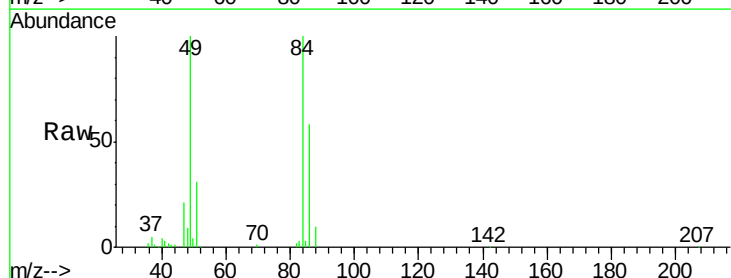
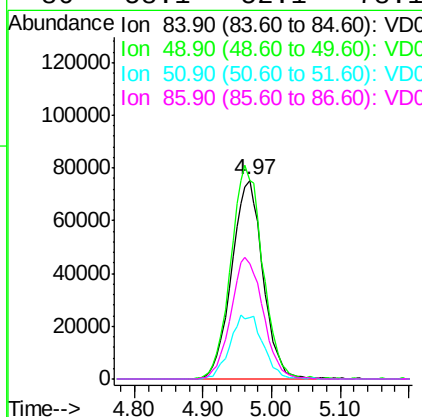
Manual Integrations
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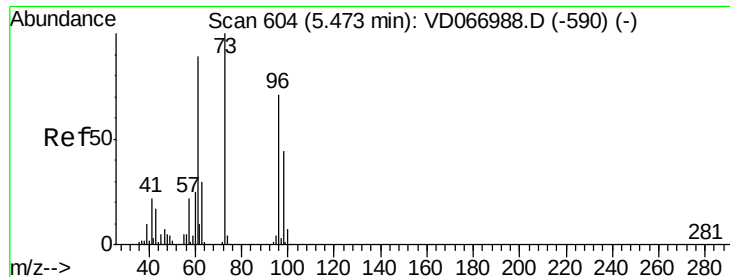
MMDadoda
10/5/2020 5:34:34 PM



#20
Methylene Chloride
Concen: 52.289 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	100.0	88.2	132.2
51	30.7	26.6	39.8
86	58.1	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 48.832 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

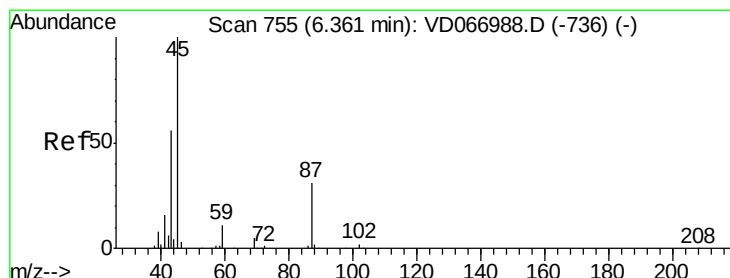
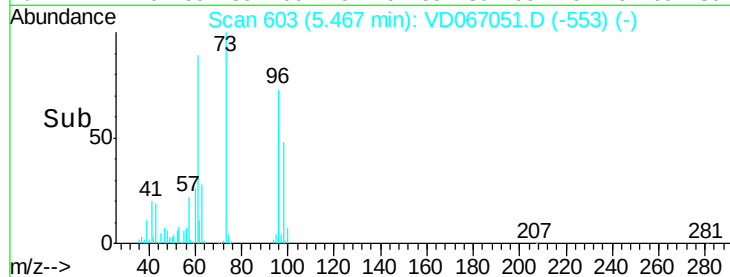
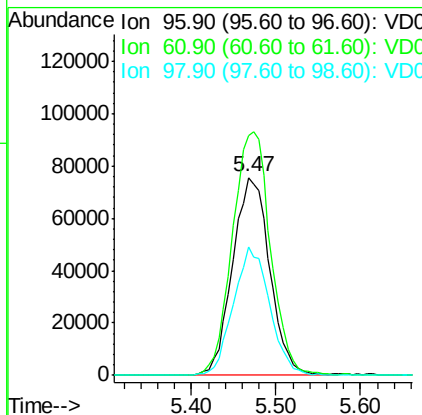
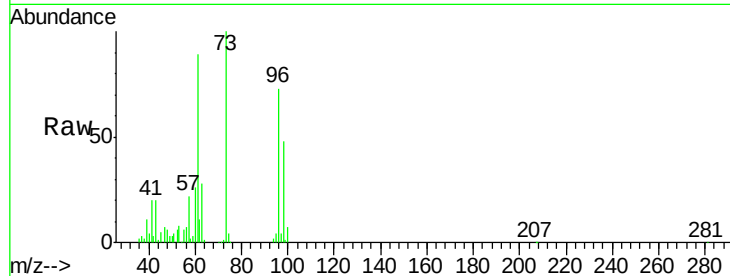
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	230675
Ion	Ratio	Lower	Upper
96	100		
61	121.1	99.6	149.4
98	65.0	49.4	74.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.783 ug/l

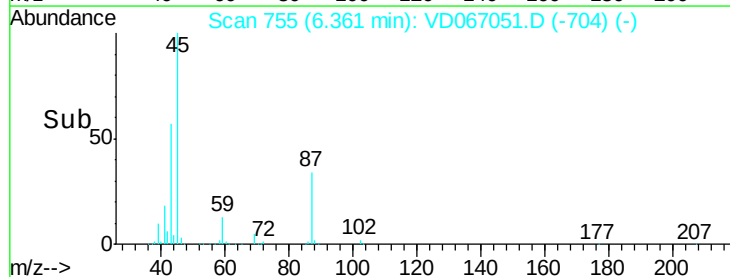
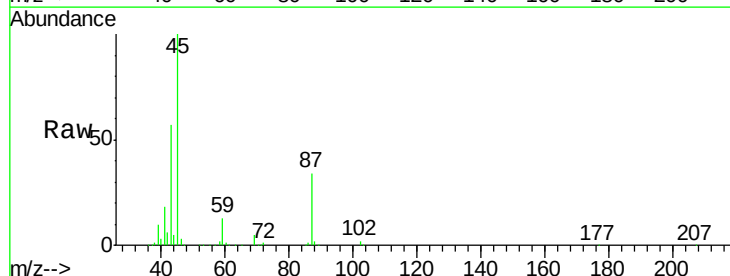
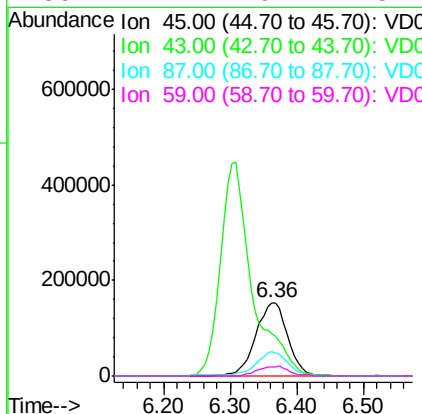
RT: 6.36 min Scan# 755

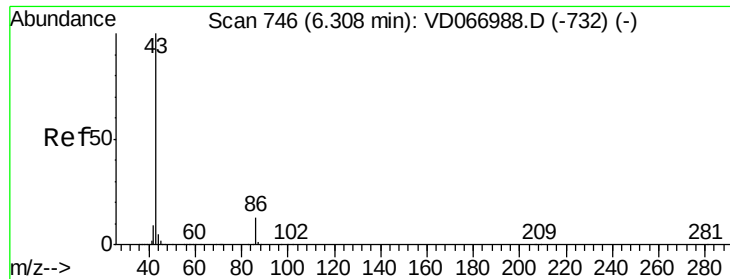
Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Tgt Ion:	45	Resp:	509776
Ion	Ratio	Lower	Upper
45	100		
43	57.1	45.2	67.8
87	33.5	25.6	38.4
59	12.7	9.1	13.7





#23

Vinyl Acetate

Concen: 269.212 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1501804

Ion Ratio Lower Upper

43 100

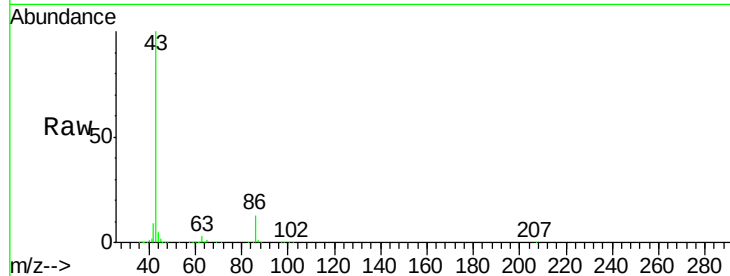
86 13.4 10.2 15.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

500000

400000

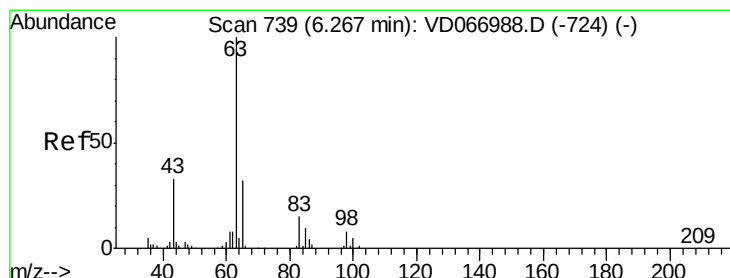
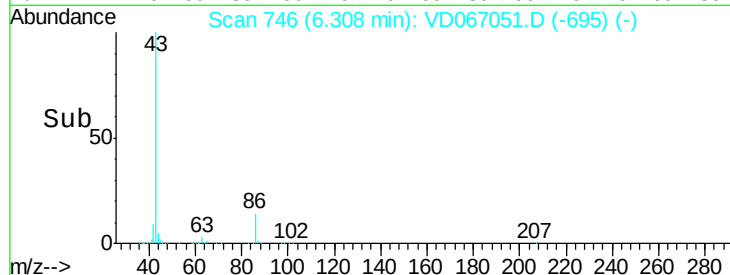
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.984 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

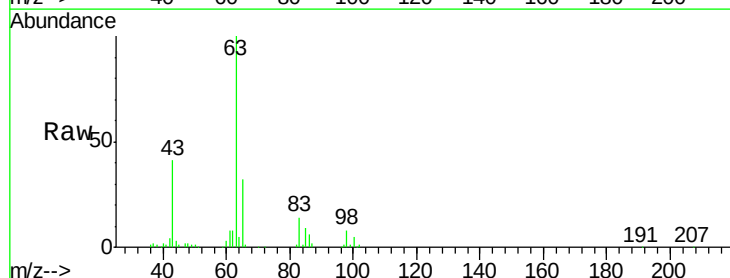
Tgt Ion: 63 Resp: 372157

Ion Ratio Lower Upper

63 100

98 8.4 4.2 12.6

100 5.0 2.6 7.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

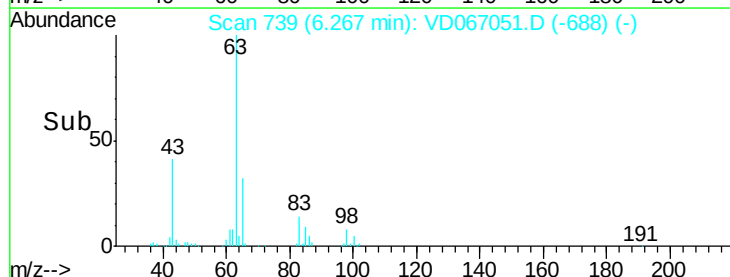
150000

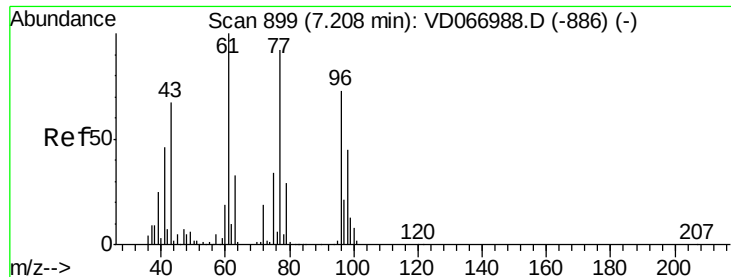
100000

50000

0

Time-->





#25

2-Butanone

Concen: 255.346 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 234383

Ion Ratio Lower Upper

43 100

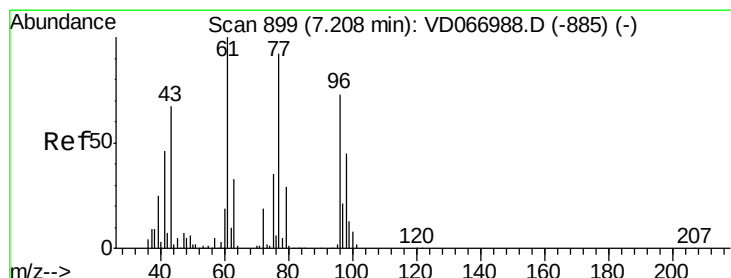
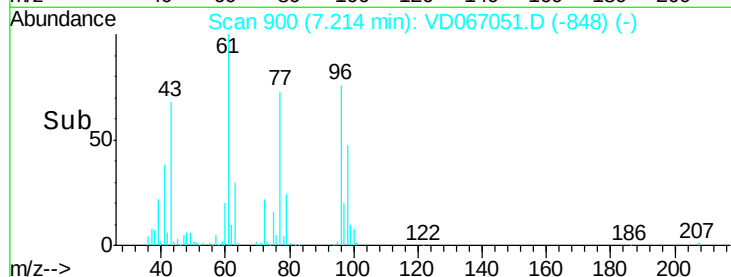
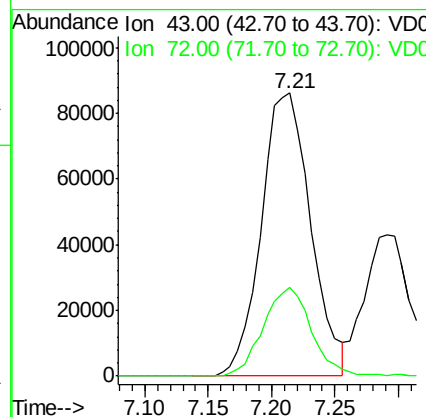
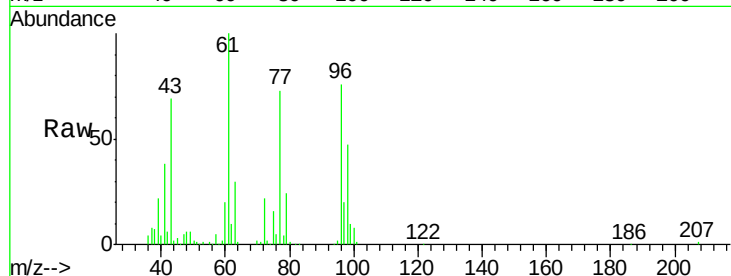
72 31.6 22.8 34.2

Manual Integrations

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10/5/2020 5:34:34 PM



#26

2,2-Dichloropropane

Concen: 45.983 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067051.D

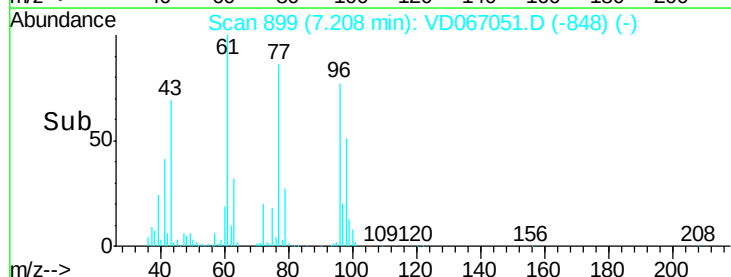
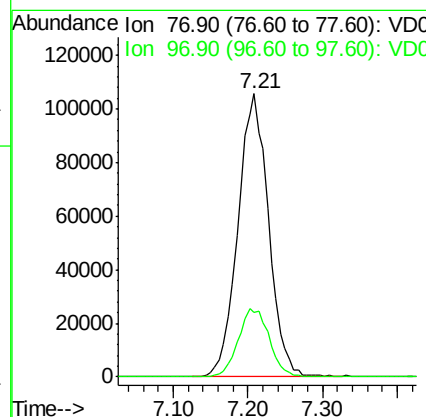
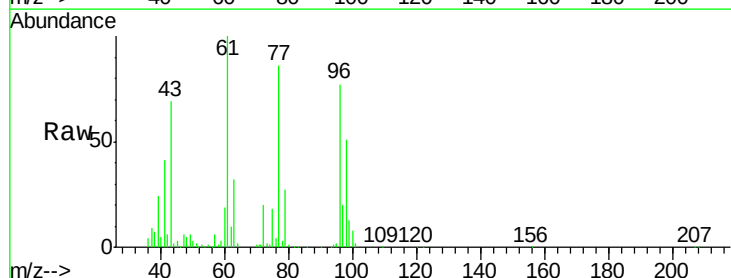
Acq: 02 Oct 2020 23:16

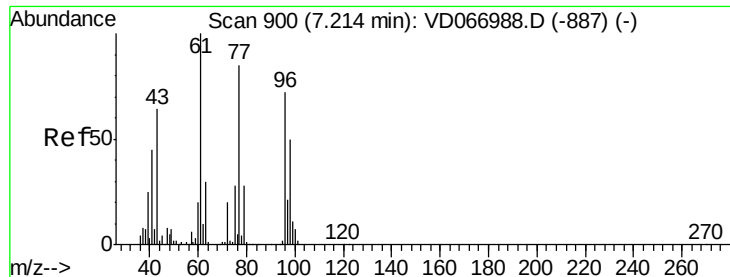
Tgt Ion: 77 Resp: 300883

Ion Ratio Lower Upper

77 100

97 24.2 11.4 34.2





#27

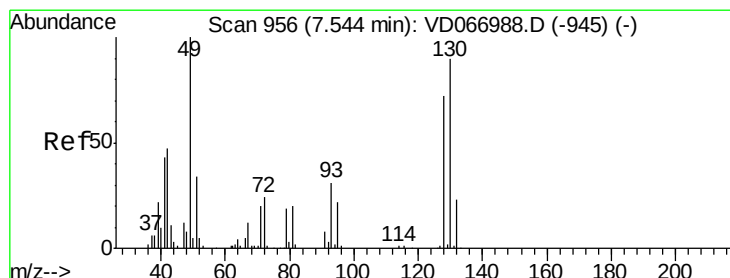
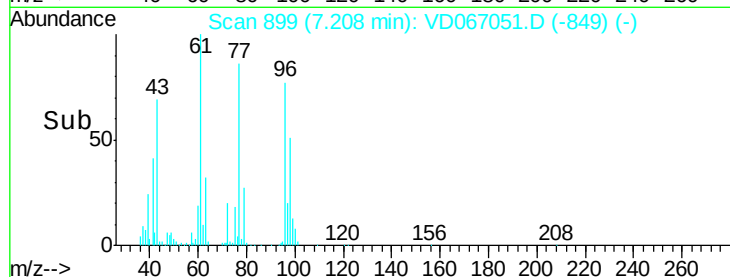
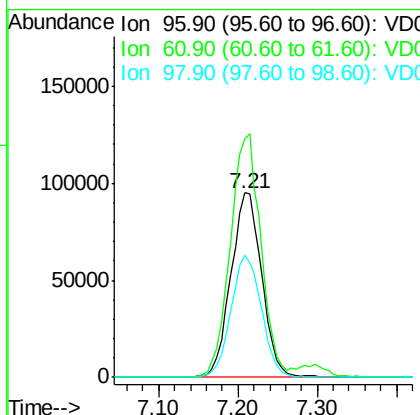
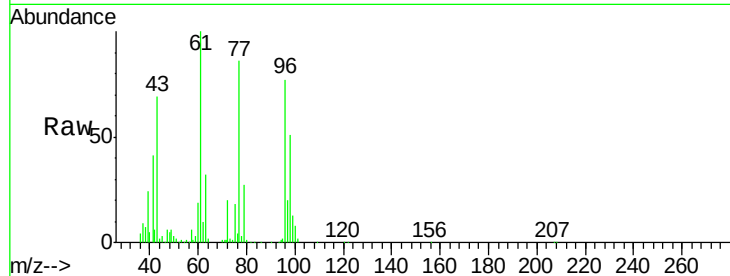
cis-1,2-Dichloroethene
Concen: 50.852 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	256553		
61	130.2	0.0	269.2	
98	65.3	0.0	129.4	

Manual Integrations
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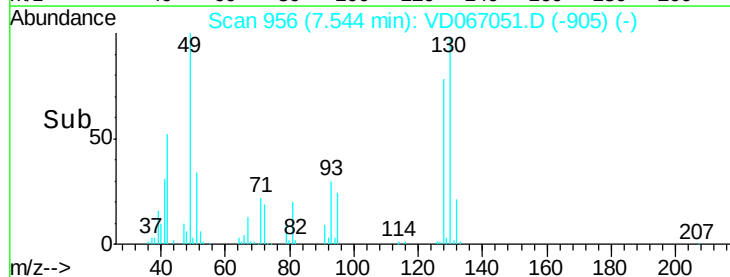
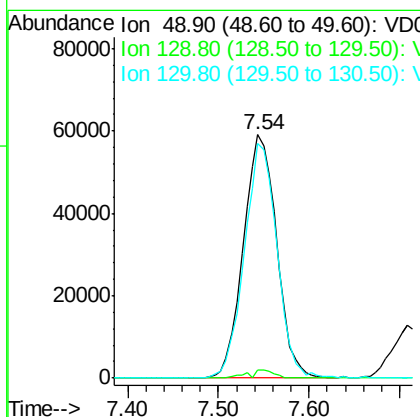
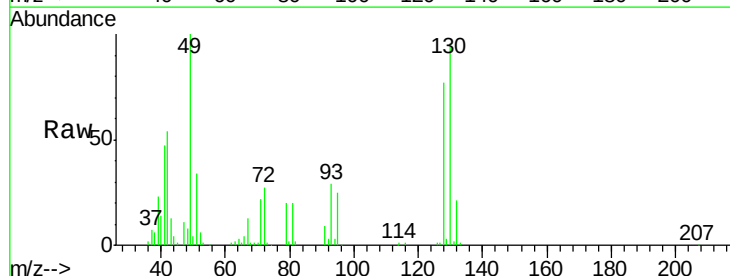
MMDadoda
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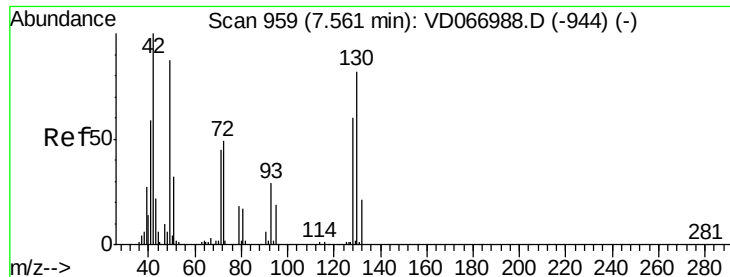


#28

Bromochloromethane
Concen: 51.425 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	150882		
129	2.5	0.0	4.6	
130	94.1	74.1	111.1	





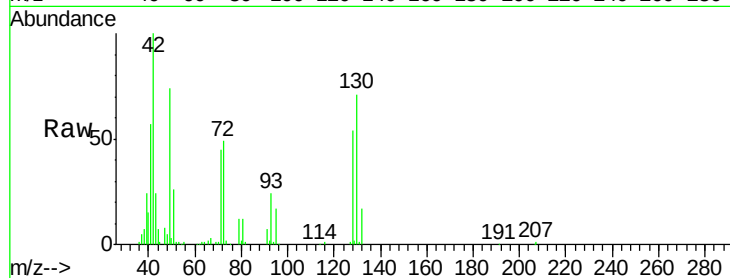
#29
Tetrahydrofuran
Concen: 267.925 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

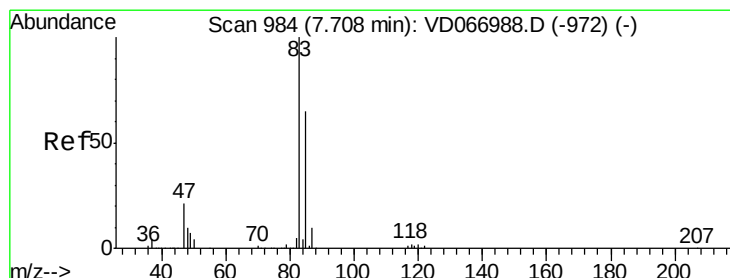
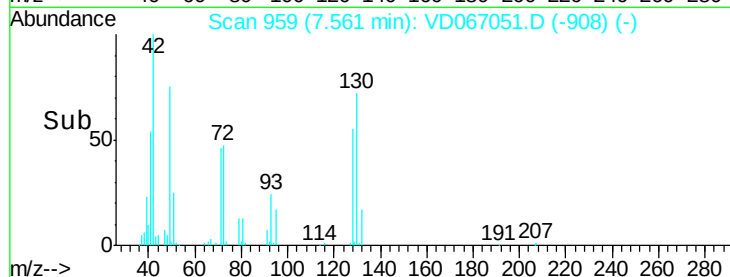
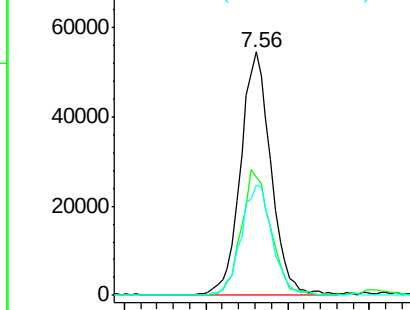
Tot Ion	Ratio	Lower	Upper
42	100		
72	49.6	39.1	58.7
71	46.3	34.2	51.4

Manual Integrations
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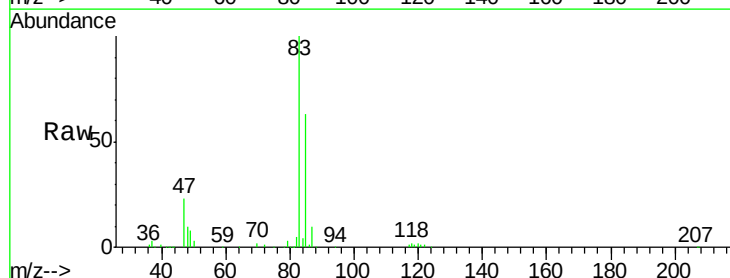


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

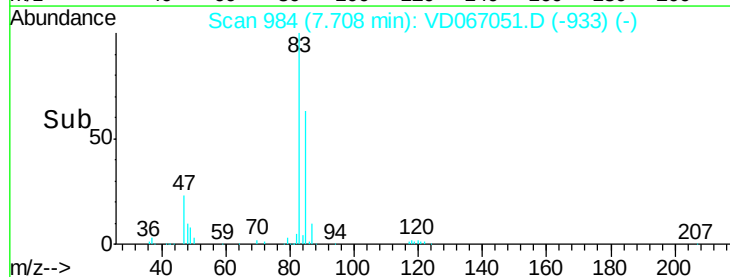
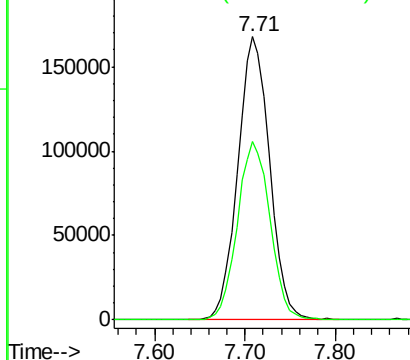


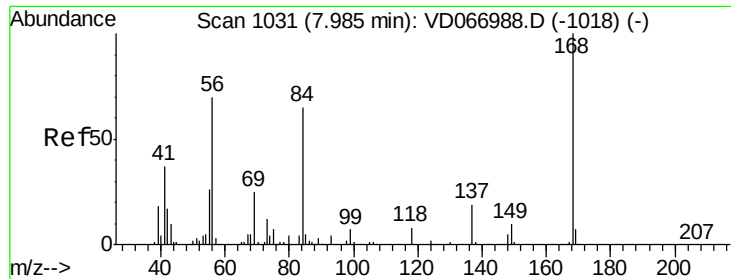
#30
Chloroform
Concen: 49.673 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.3	78.5



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





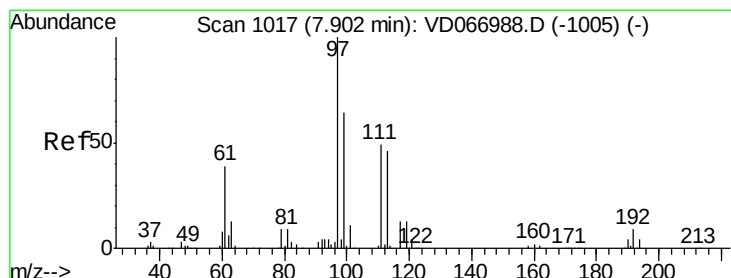
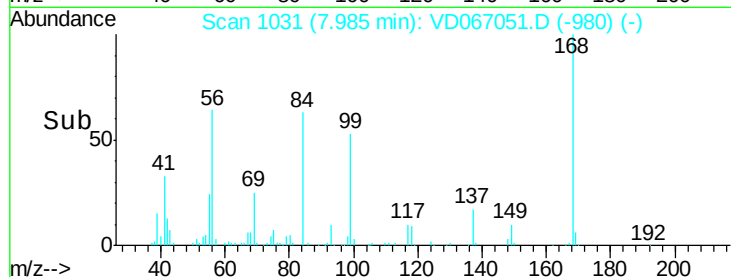
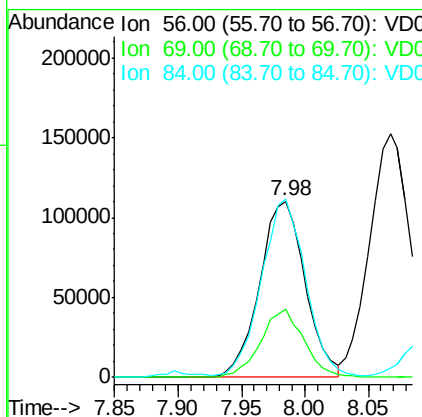
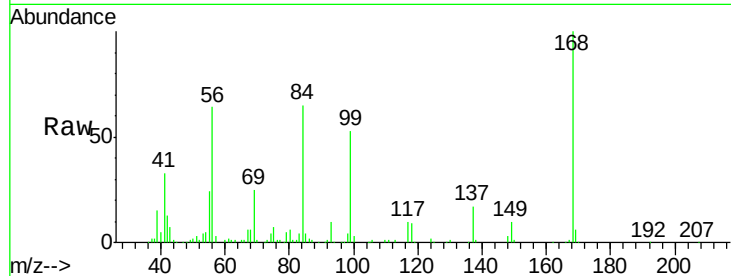
#31
Cyclohexane
Concen: 43.352 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.6	29.0	43.6
84	99.2	74.2	111.2

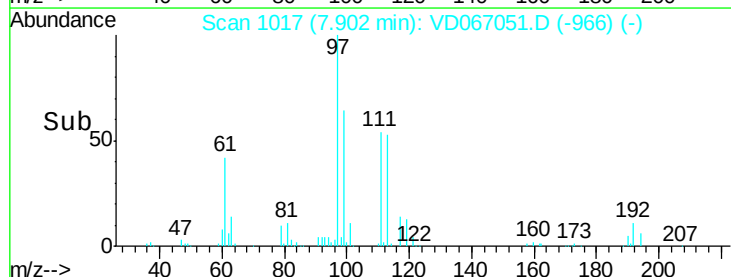
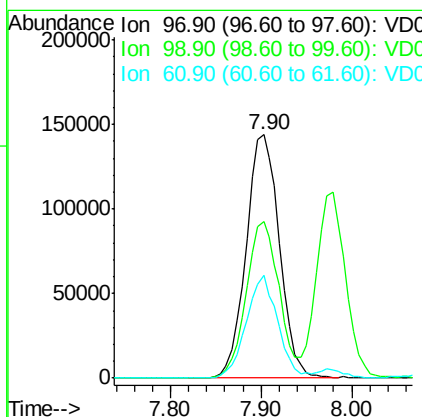
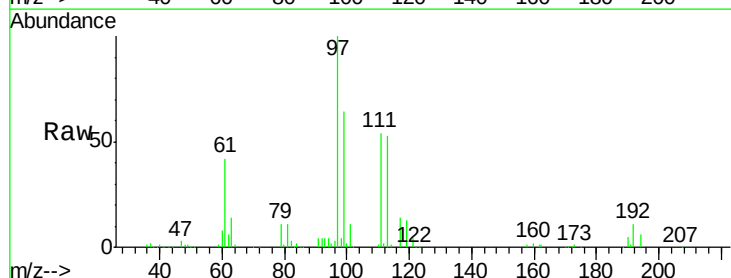
Manual Integrations
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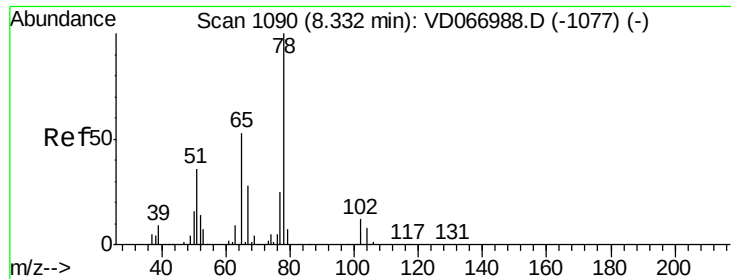
MMDadoda
10/5/2020 5:34:34 PM



#32
1,1,1-Trichloroethane
Concen: 48.105 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	52.6	78.8
61	40.1	32.8	49.2





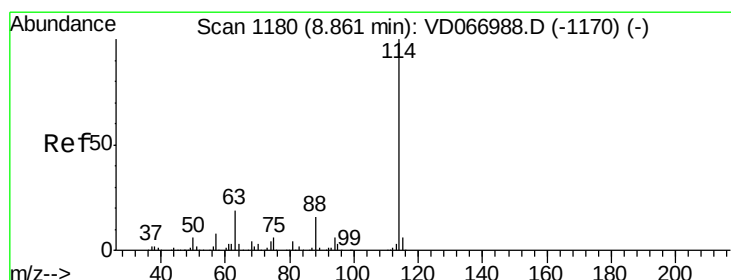
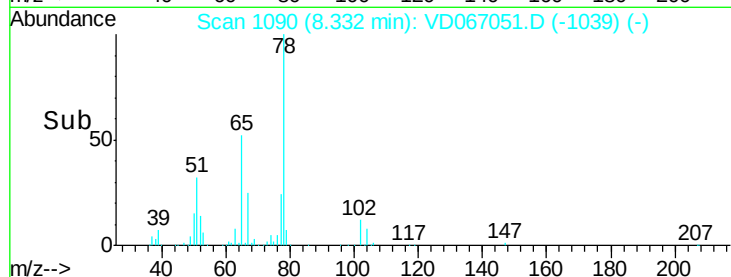
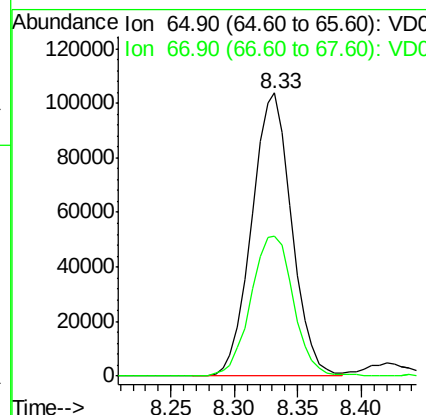
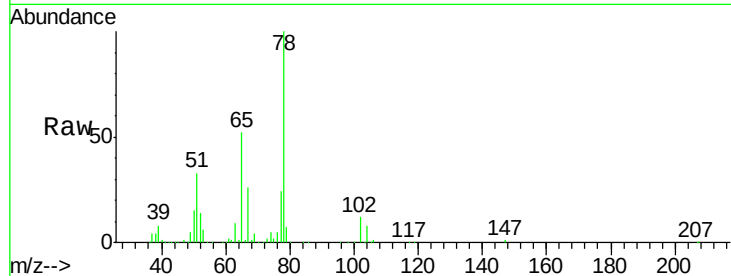
#33
 1,2-Dichloroethane-d4
 Concen: 53.602 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	227340		
67	53.1	0.0	106.8	

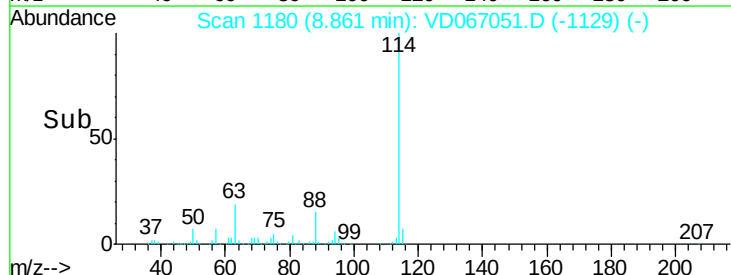
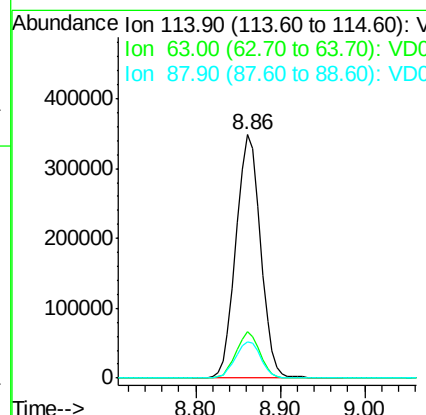
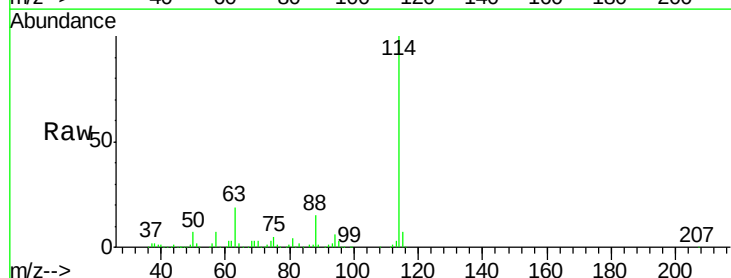
Manual Integrations
 APPROVED

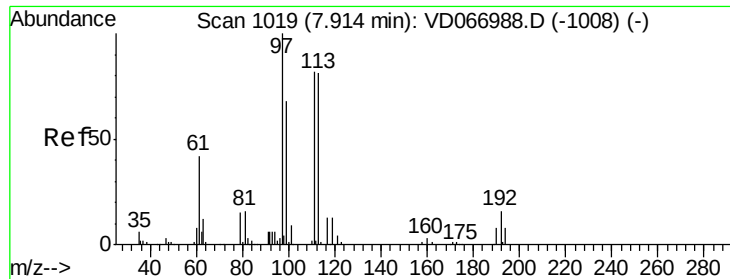
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	700152		
63	19.2	0.0	38.4	
88	14.7	0.0	31.2	





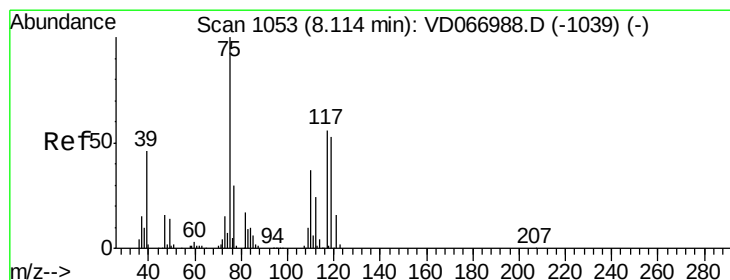
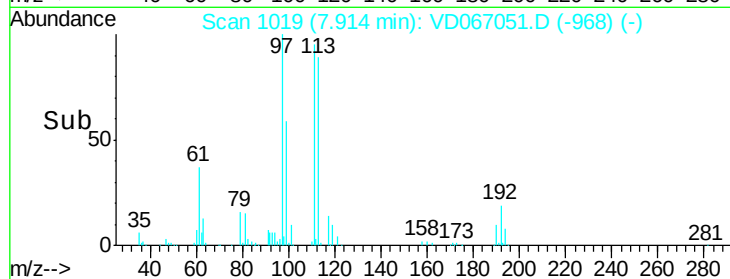
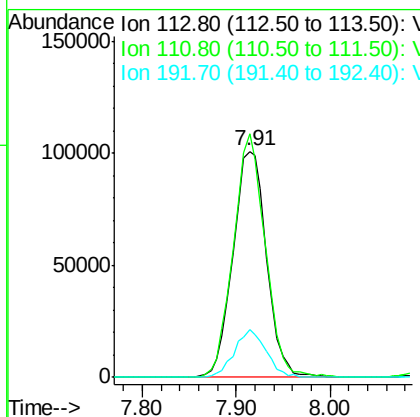
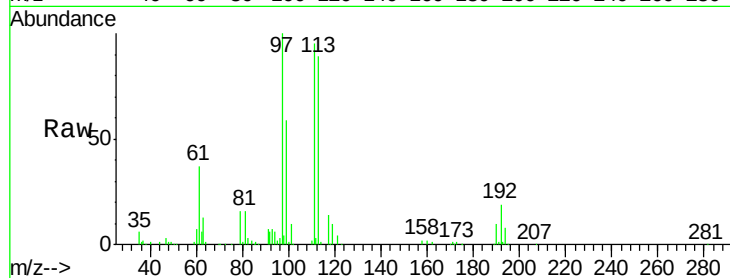
#35
 Dibromofluoromethane
 Concen: 54.478 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	249716		
111	102.6		83.0	124.4
192	20.0		15.5	23.3

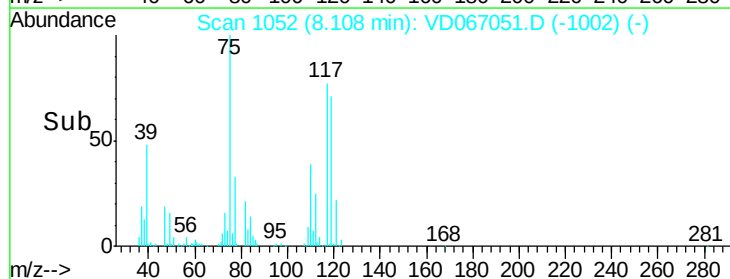
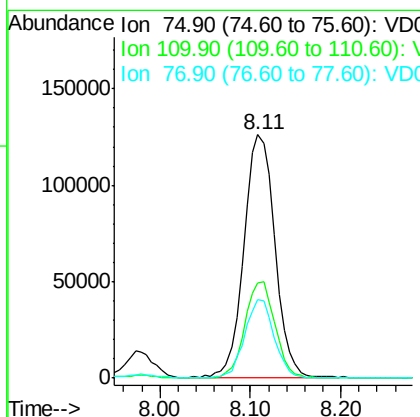
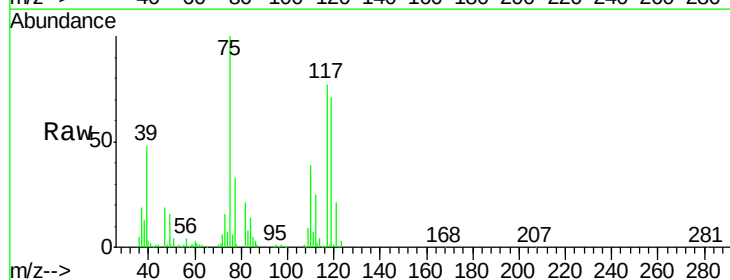
Manual Integrations
 APPROVED

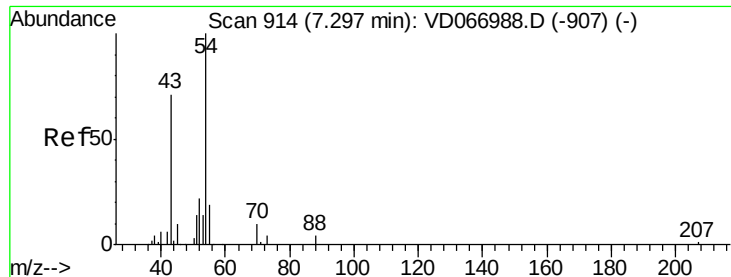
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 45.974 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	300035		
110	38.5		18.4	55.0
77	30.8		24.8	37.2





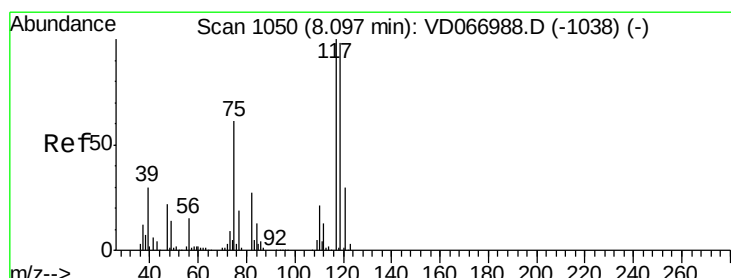
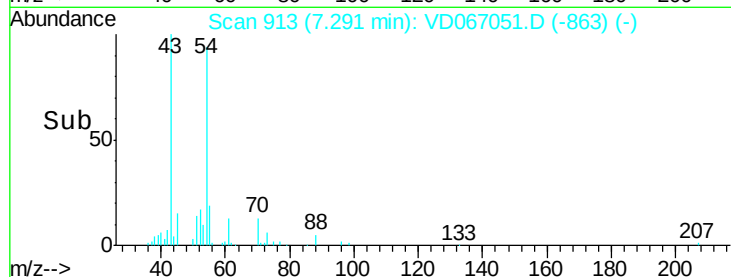
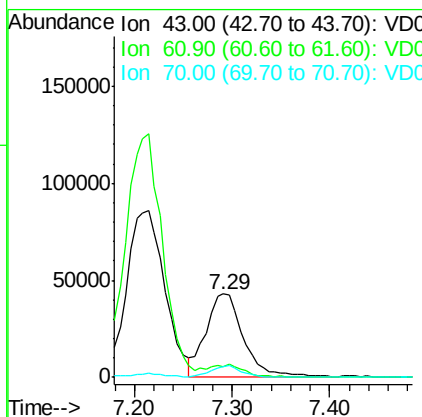
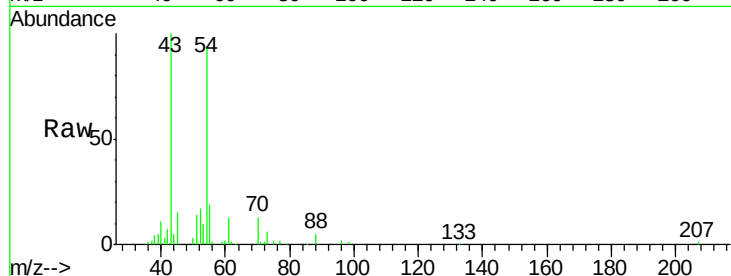
#37
Ethyl Acetate
Concen: 49.667 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	12.5	18.7
70	12.3	9.4	14.0

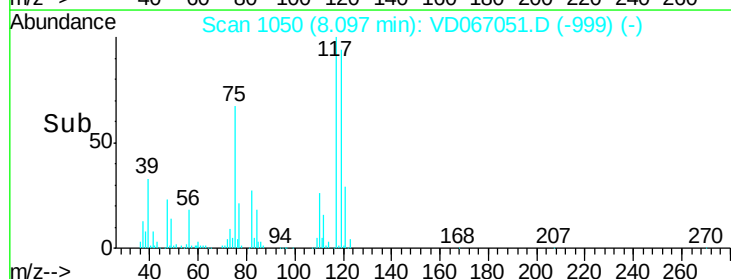
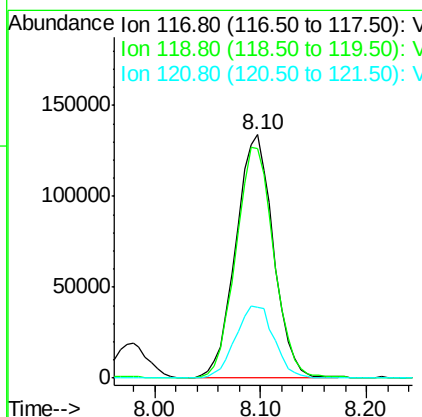
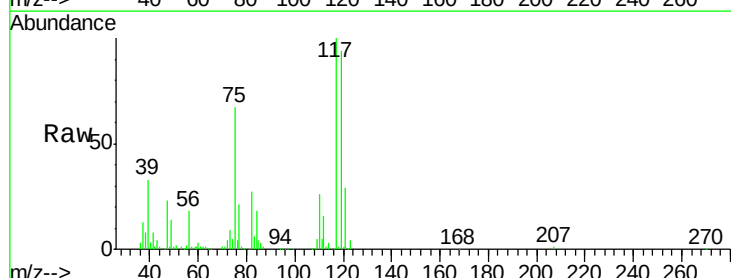
Manual Integrations
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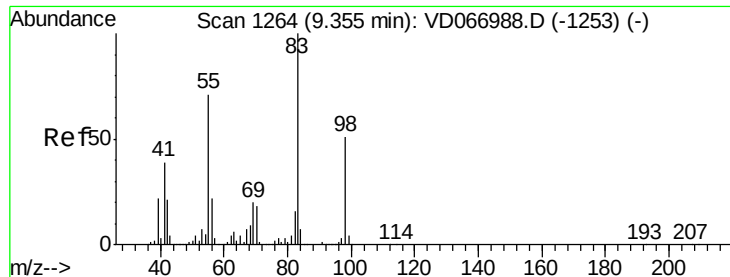
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#38
Carbon Tetrachloride
Concen: 46.556 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	78.7	118.1
121	29.1	24.2	36.2





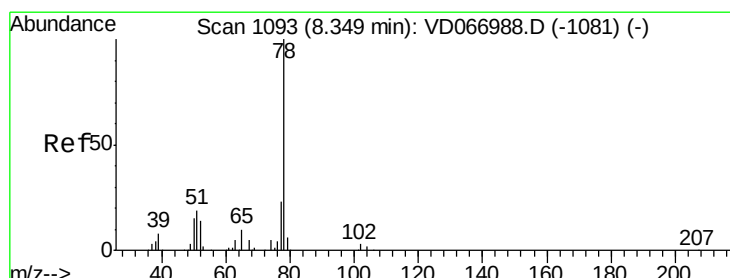
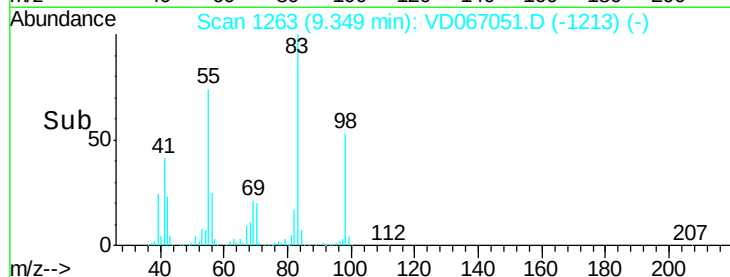
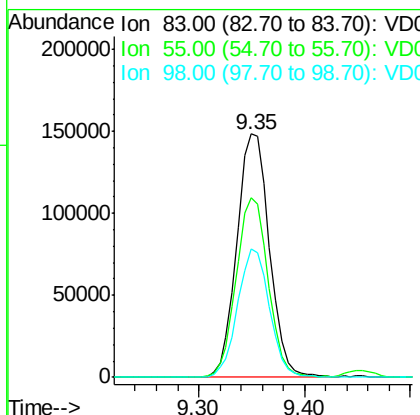
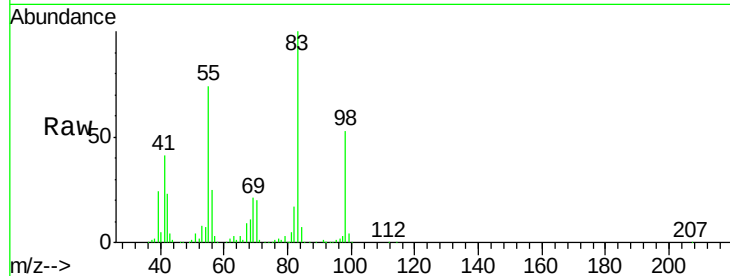
#39
Methylvlcyclohexane
Concen: 46.122 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.0	57.1	85.7
98	52.6	40.9	61.3

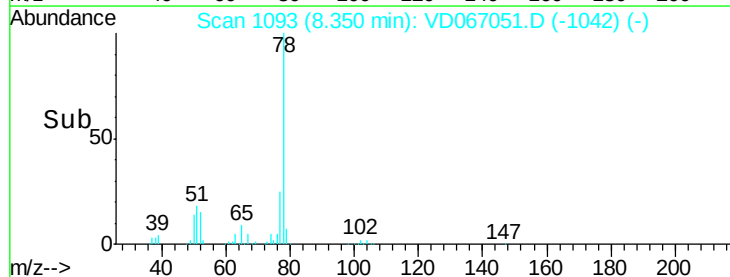
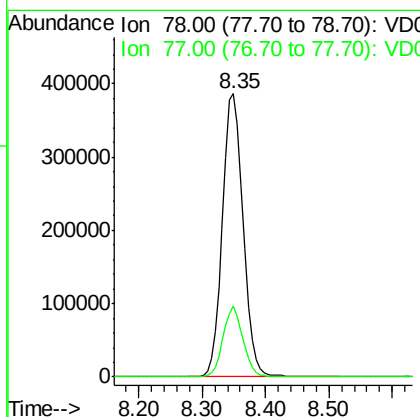
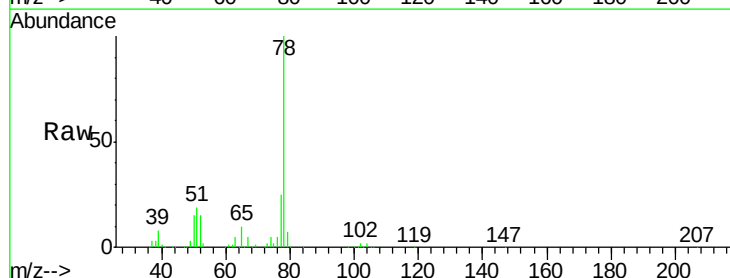
Manual Integrations
APPROVED

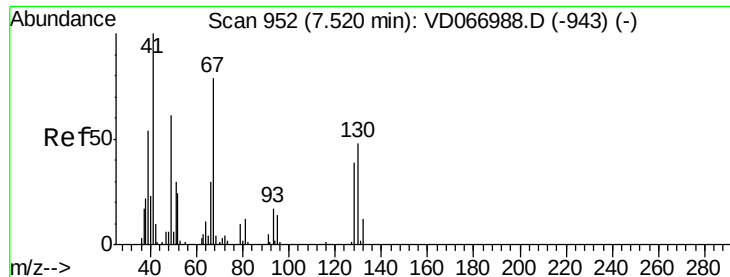
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#40
Benzene
Concen: 48.290 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	18.4	27.6





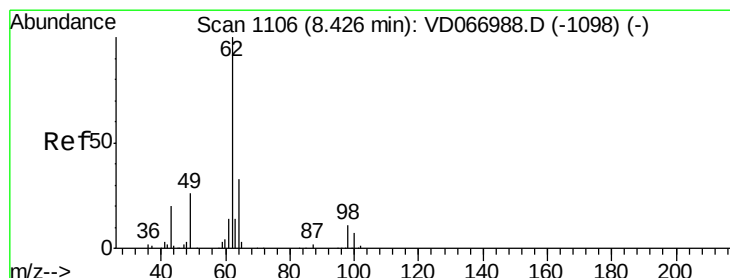
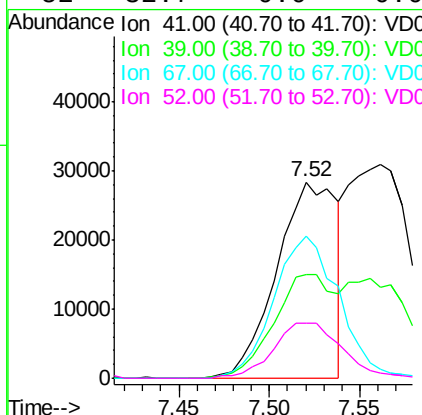
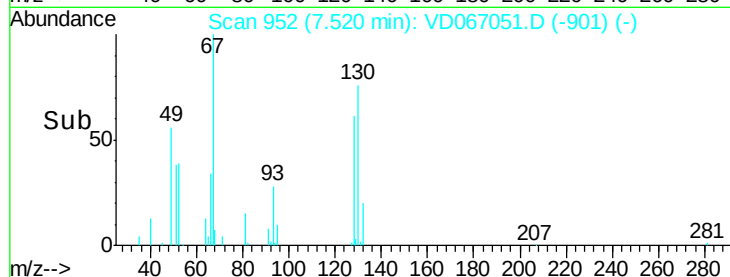
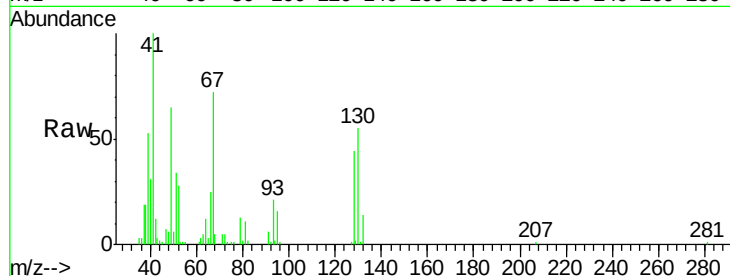
#41
Methacrylonitrile
Concen: 54.082 ug/l
RT: 7.52 min Scan# 952
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.5	0.0	0.0#
67	78.6	0.0	0.0#
52	32.7	0.0	0.0#

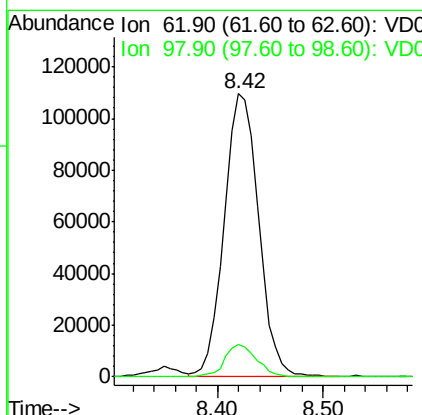
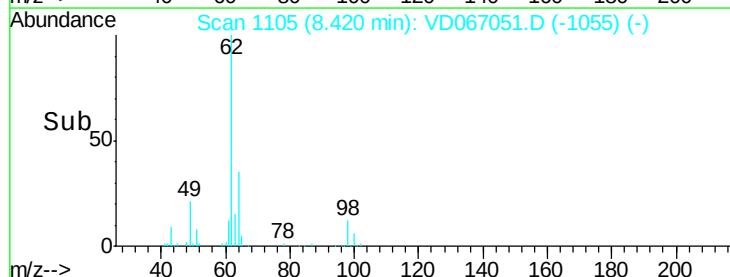
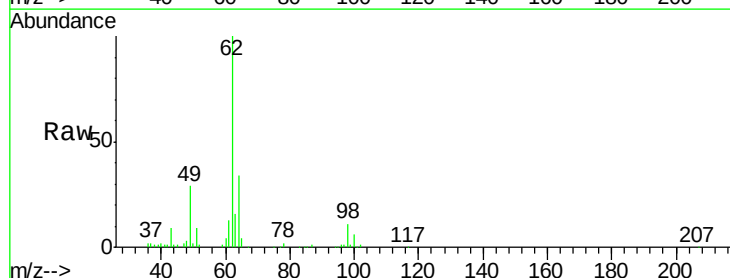
Manual Integrations
APPROVED

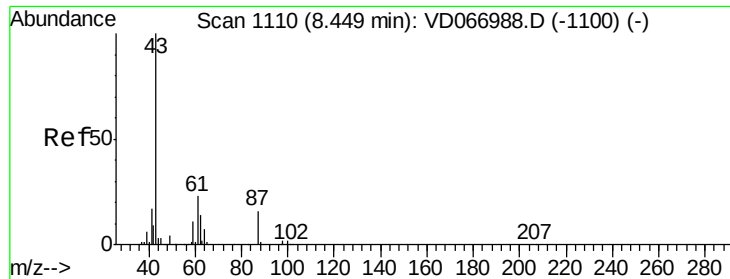
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#42
1,2-Dichloroethane
Concen: 48.470 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	22.6





#43

Isopropyl Acetate

Concen: 51.417 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

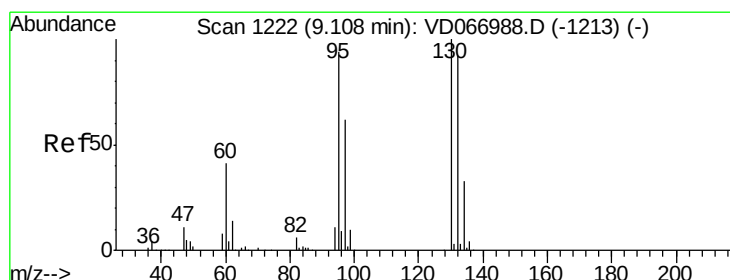
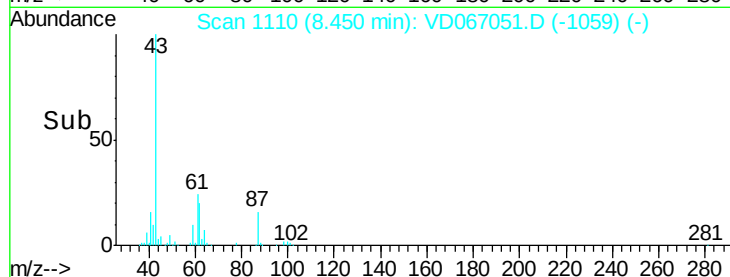
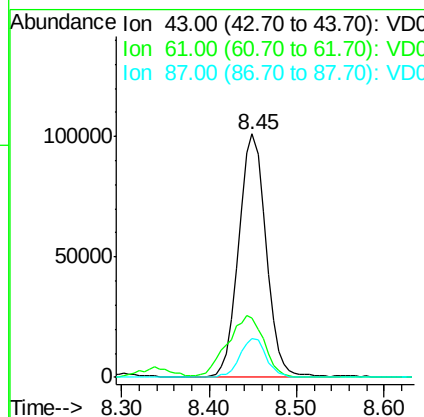
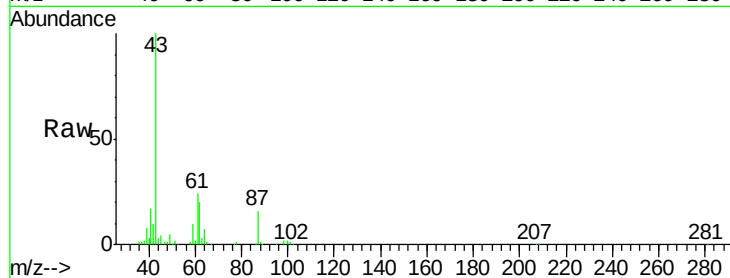
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	214151
Ion	Ratio	Lower	Upper
43	100		
61	33.5	27.1	40.7
87	15.6	12.3	18.5

Manual Integrations
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#44

Trichloroethene

Concen: 47.975 ug/l

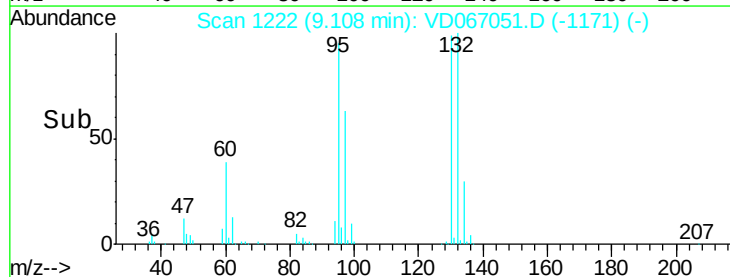
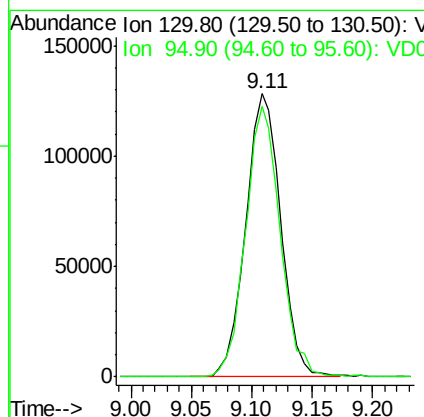
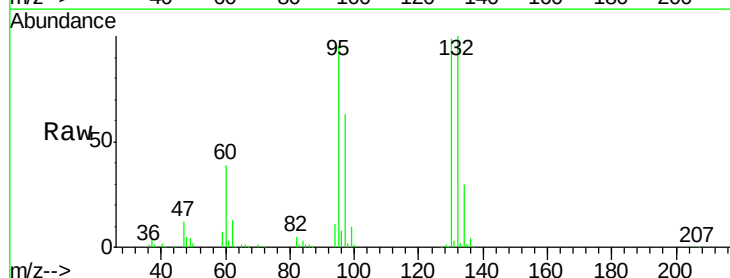
RT: 9.11 min Scan# 1222

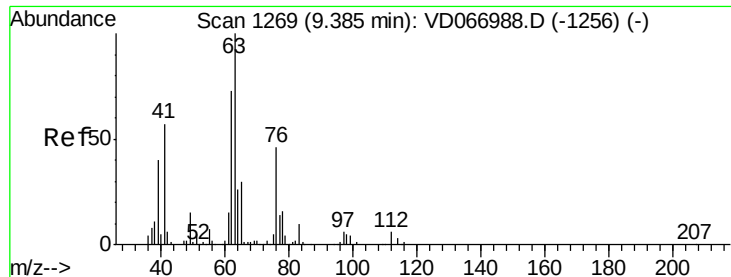
Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Tgt Ion:	130	Resp:	259682
Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	187.8





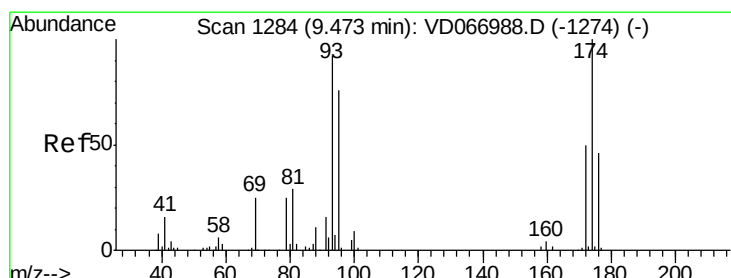
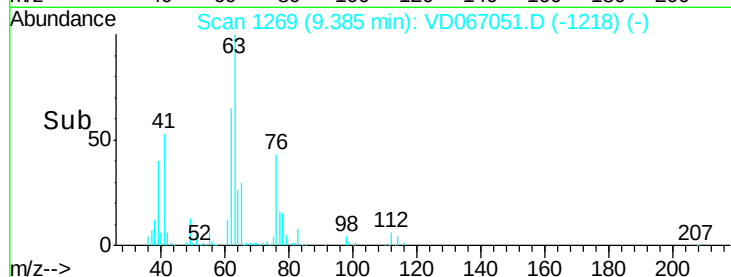
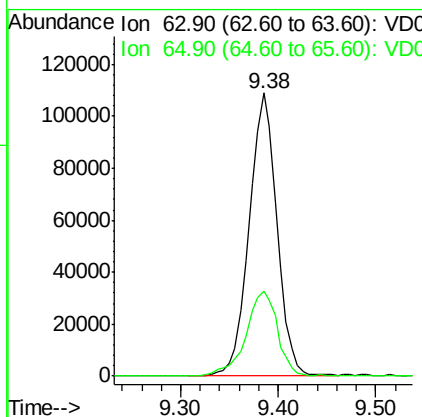
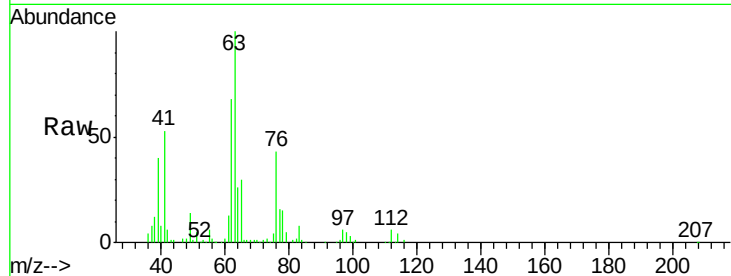
#45
 1,2-Dichloropropane
 Concen: 50.799 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	23.7	35.5

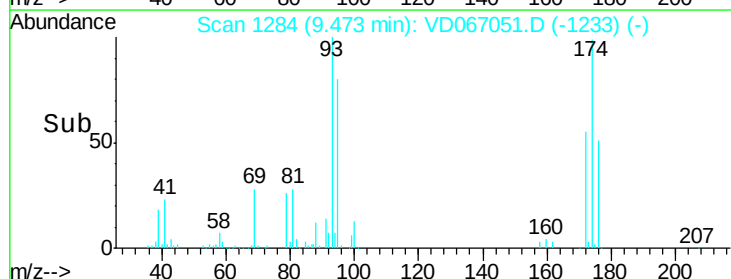
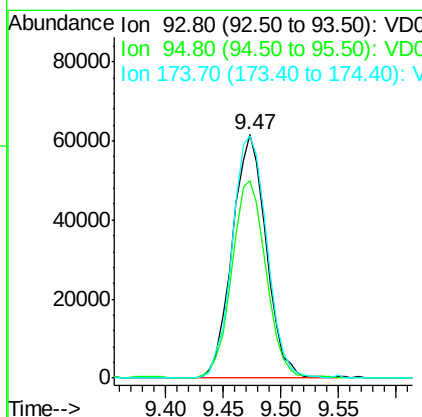
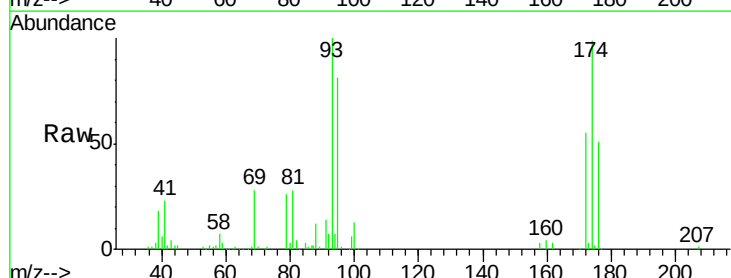
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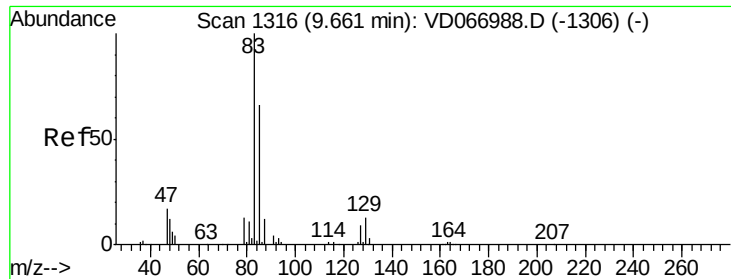
MMDadoda
 10/5/2020 5:34:34 PM



#46
 Dibromomethane
 Concen: 51.104 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.0	64.7	97.1
174	101.9	81.4	122.2





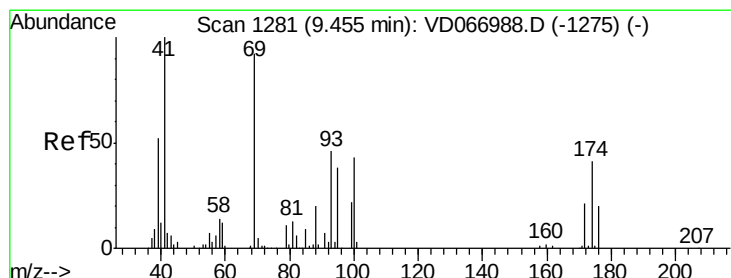
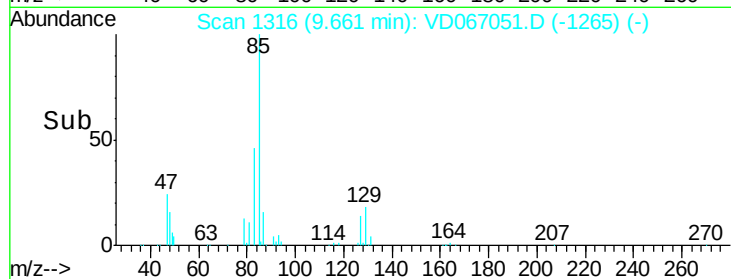
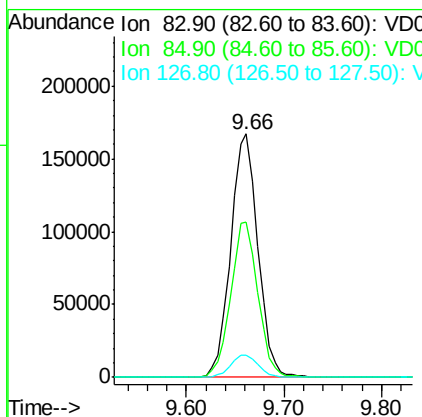
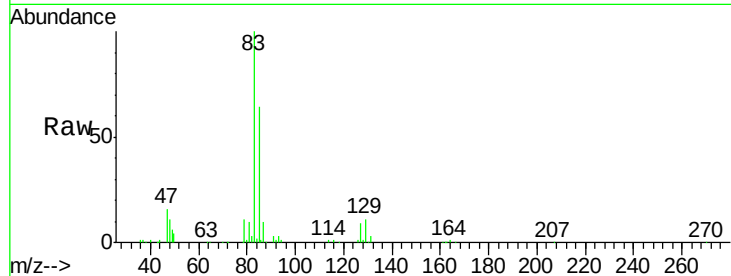
#47
Bromodichloromethane
Concen: 50.564 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.9	79.3
127	9.0	7.3	10.9

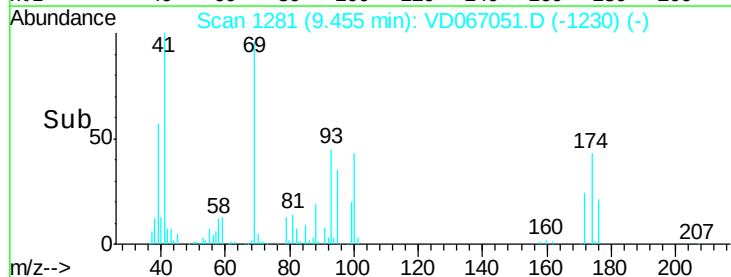
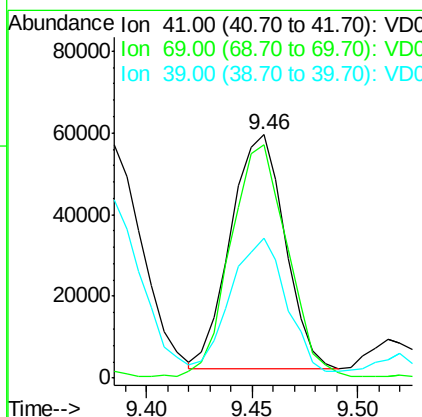
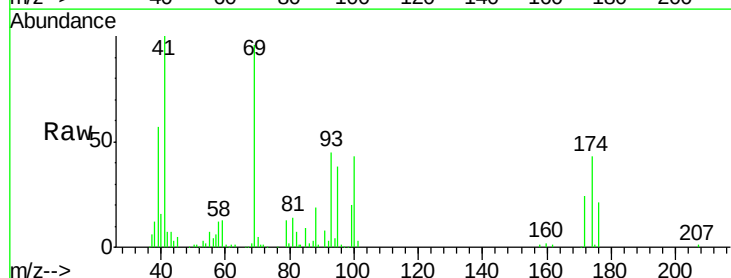
Manual Integrations
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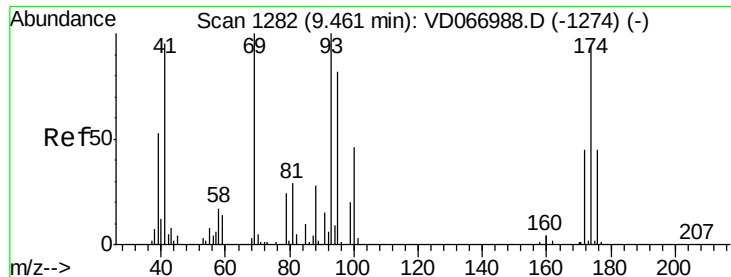
MMDadoda
10/5/2020 5:34:34 PM



#48
Methyl methacrylate
Concen: 48.113 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion	Ratio	Lower	Upper
41	100		
69	103.5	68.5	102.7#
39	64.1	40.2	60.2#





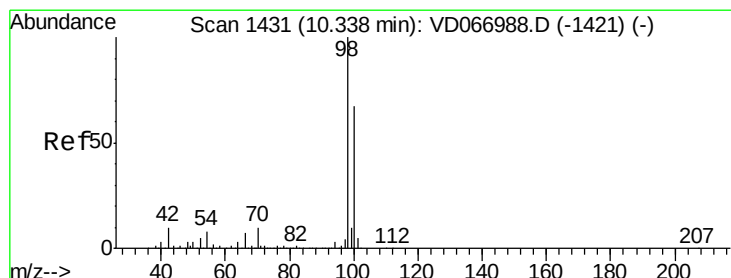
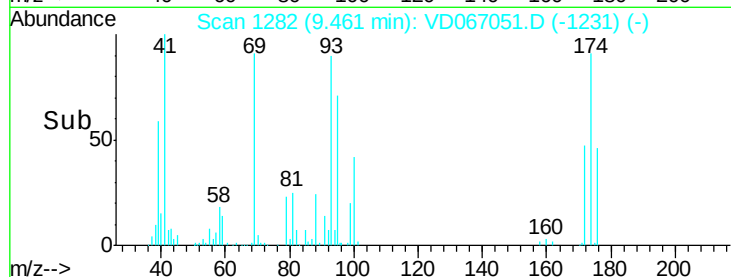
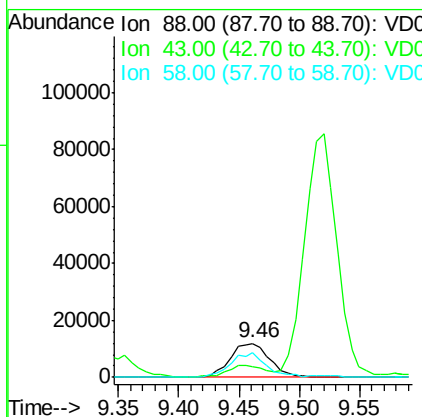
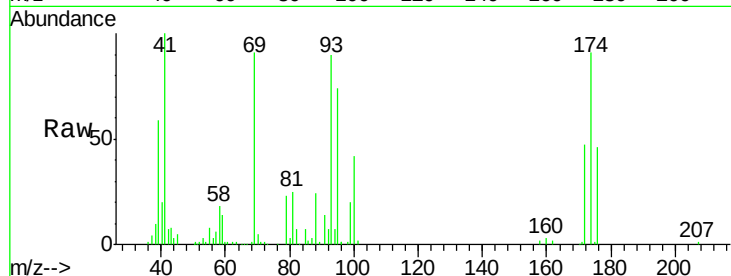
#49
1,4-Dioxane
Concen: 1062.054 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	27134
Ion	Ratio	Lower	Upper
88	100		
43	32.1	25.6	38.4
58	64.8	53.5	80.3

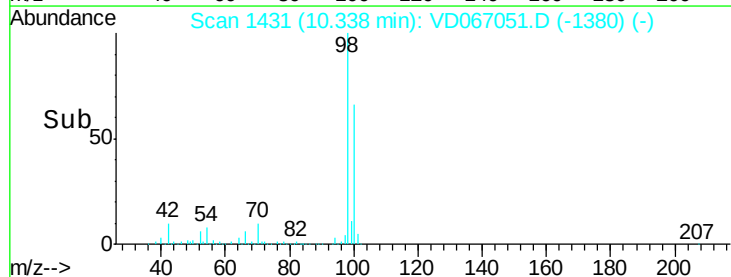
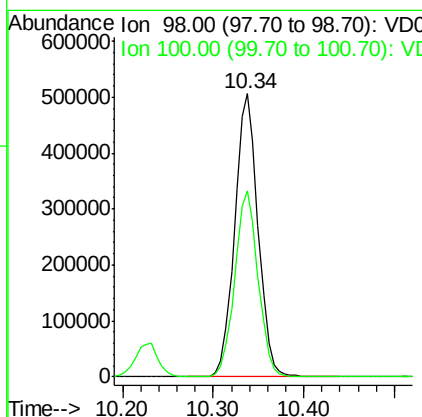
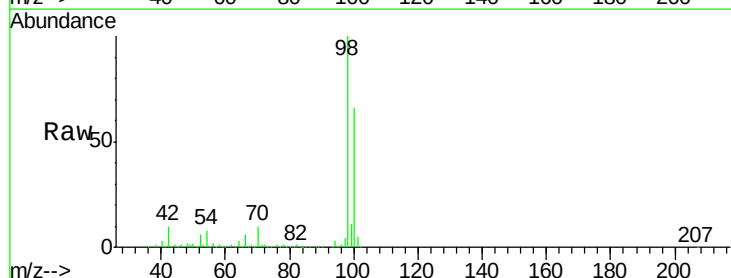
Manual Integrations
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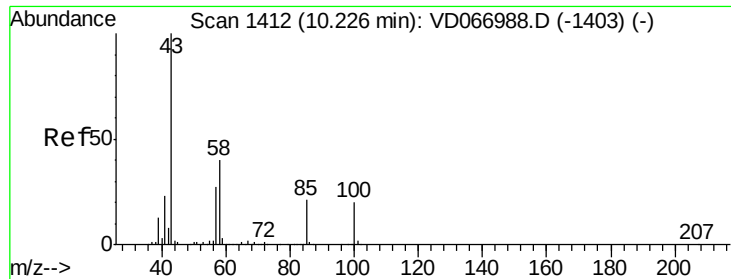
MMDadoda
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#50
Toluene-d8
Concen: 54.354 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion	98	Resp	907857
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 270.086 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 560312

Ion Ratio Lower Upper

43 100

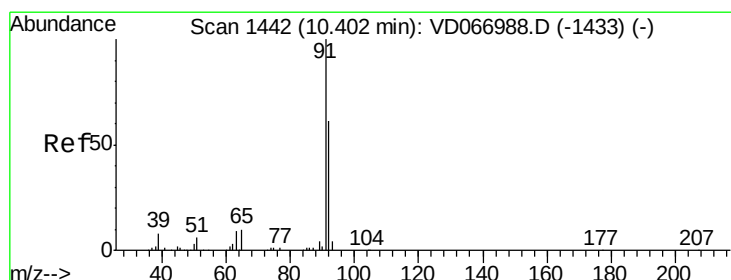
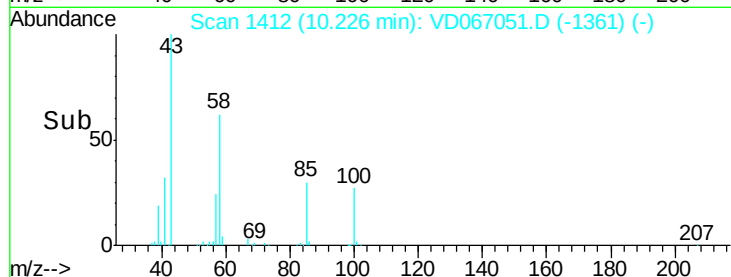
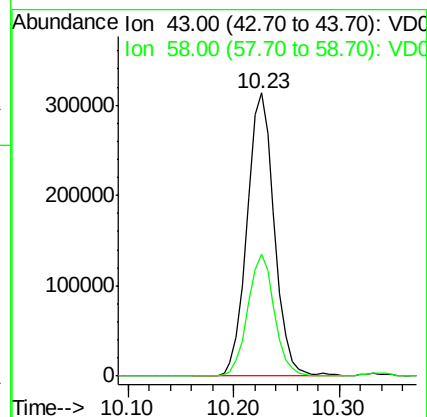
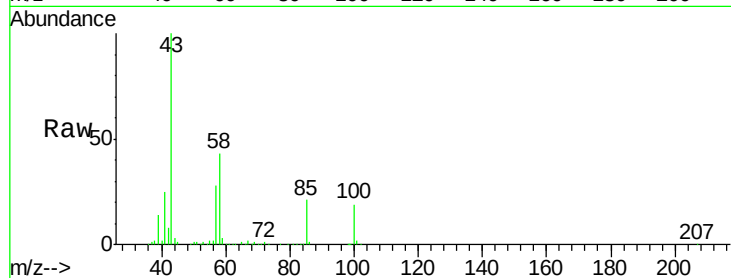
58 42.3 33.8 50.8

Manual Integrations

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#52

Toluene

Concen: 50.647 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD067051.D

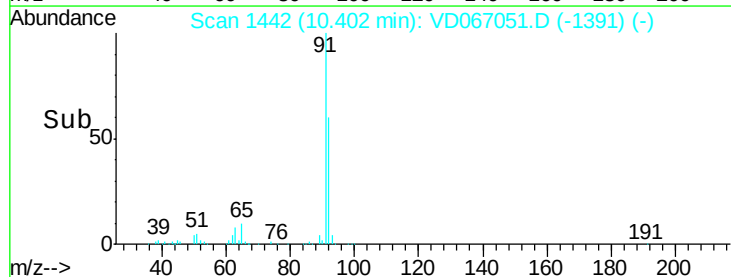
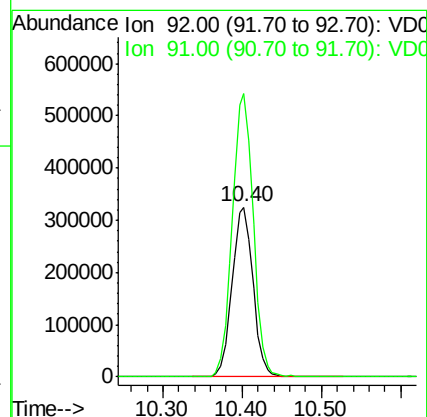
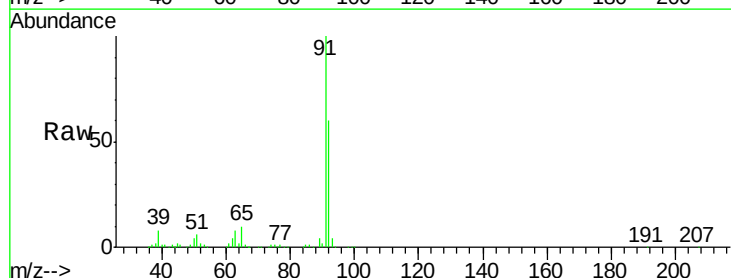
Acq: 02 Oct 2020 23:16

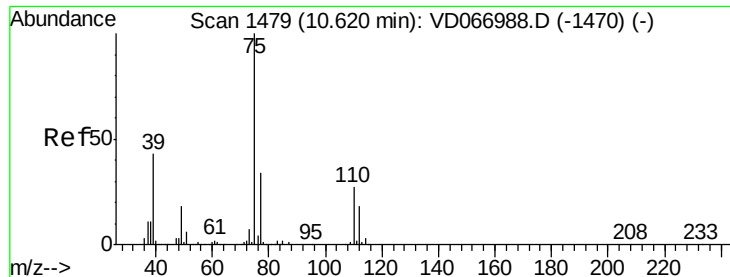
Tgt Ion: 92 Resp: 591400

Ion Ratio Lower Upper

92 100

91 167.2 135.1 202.7





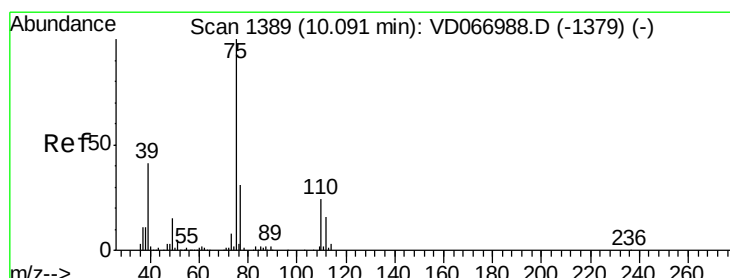
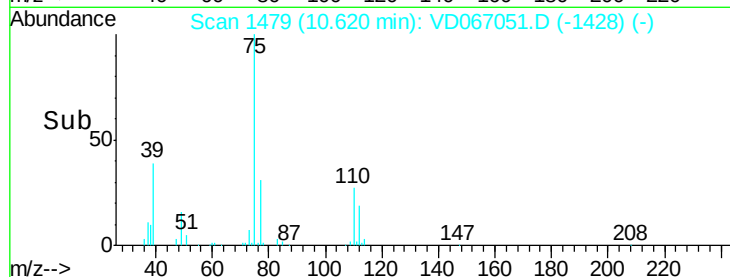
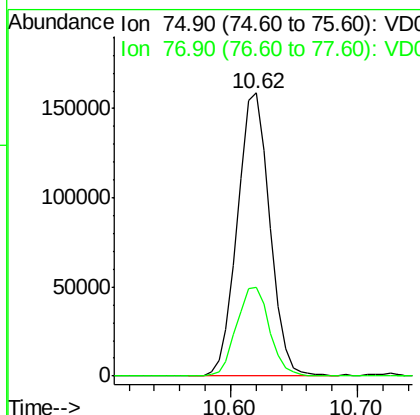
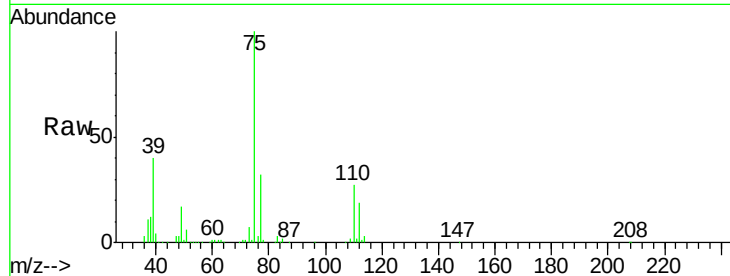
#53
 t-1,3-Dichloropropene
 Concen: 49.667 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 282457
 Ion Ratio Lower Upper
 75 100
 77 31.6 27.1 40.7

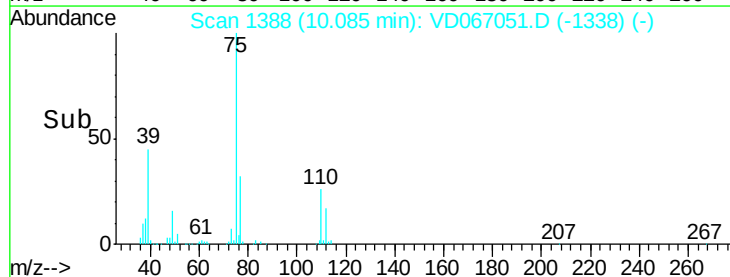
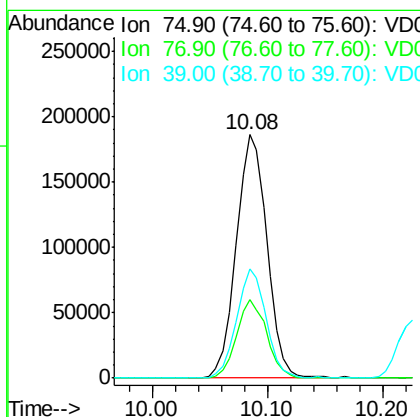
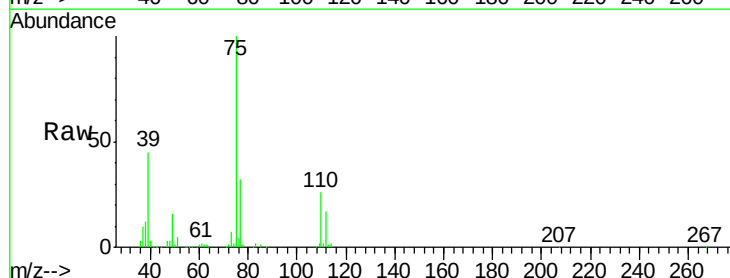
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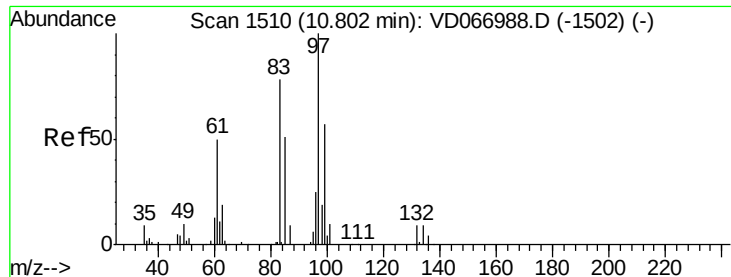
MMDadoda
 10/5/2020 5:34:34 PM



#54
 cis-1,3-Dichloropropene
 Concen: 49.349 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Tgt Ion: 75 Resp: 342705
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.6 37.0
 39 44.5 33.0 49.4





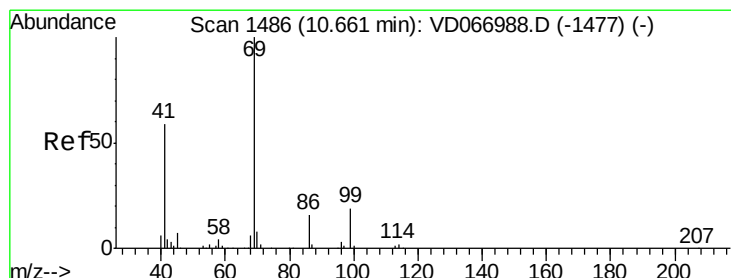
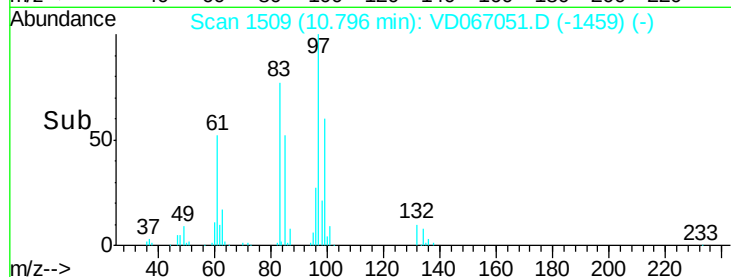
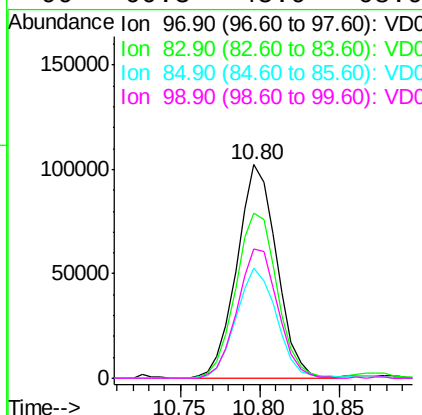
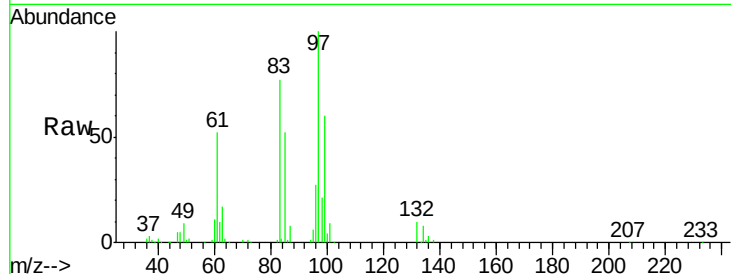
#55
 1,1,2-Trichloroethane
 Concen: 52.524 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	77.3	62.4	93.6
85	51.8	41.0	61.4
99	60.3	45.9	68.9

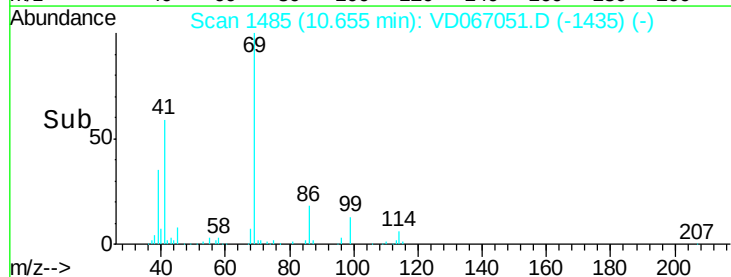
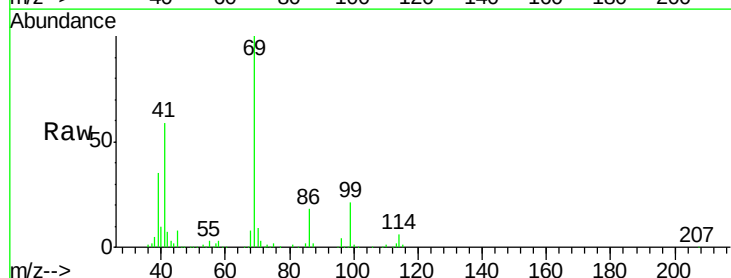
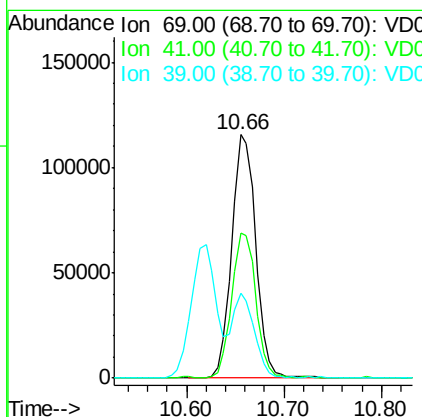
Manual Integrations
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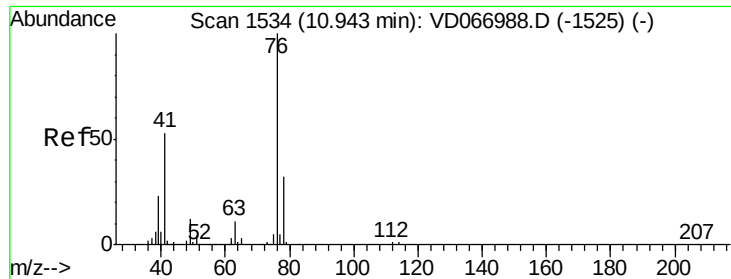
MMDadoda
 10/5/2020 5:34:34 PM



#56
 Ethyl methacrylate
 Concen: 56.200 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.2	46.4	69.6
39	32.9	23.8	35.6





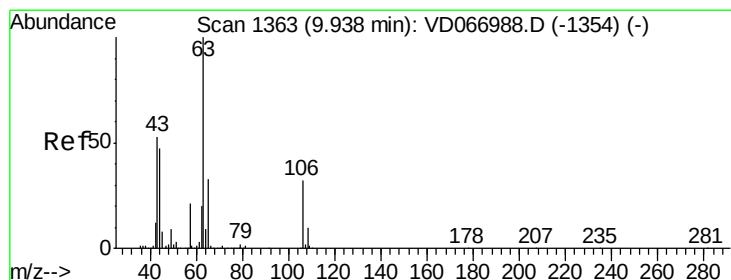
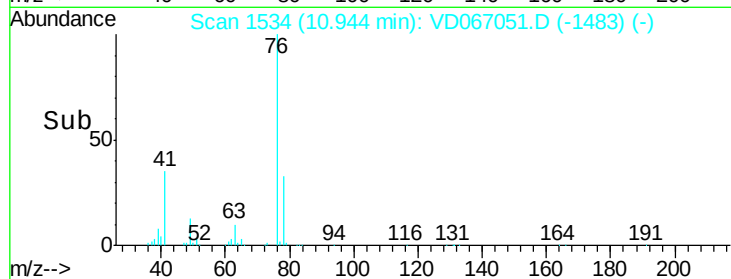
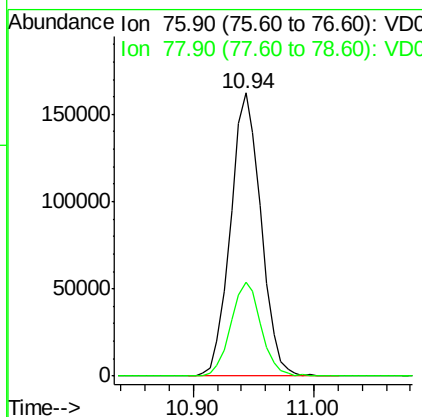
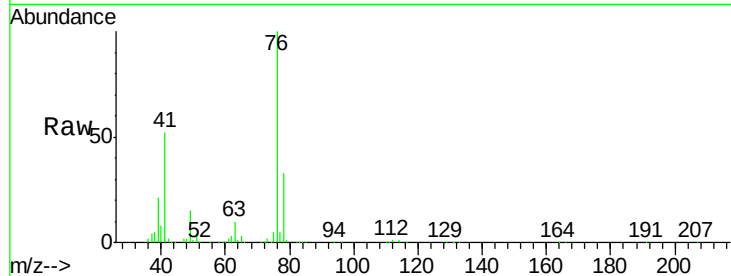
#57
 1,3-Dichloropropane
 Concen: 51.776 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.8	38.8

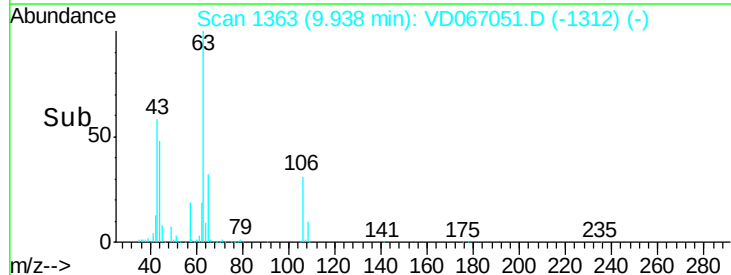
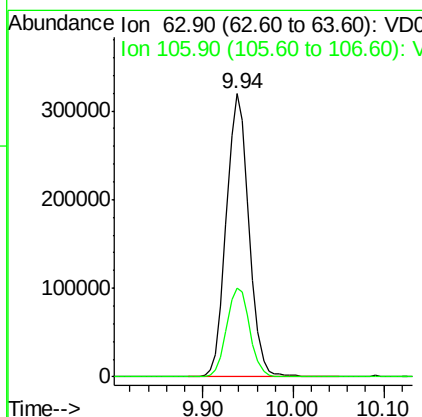
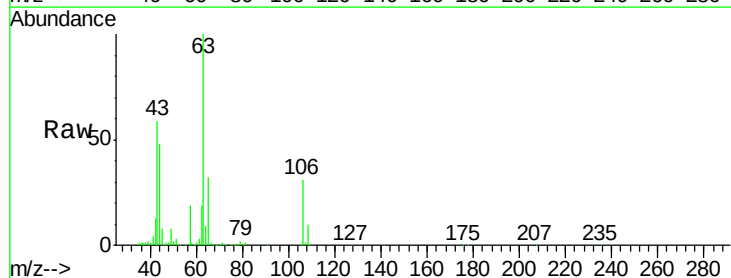
Manual Integrations
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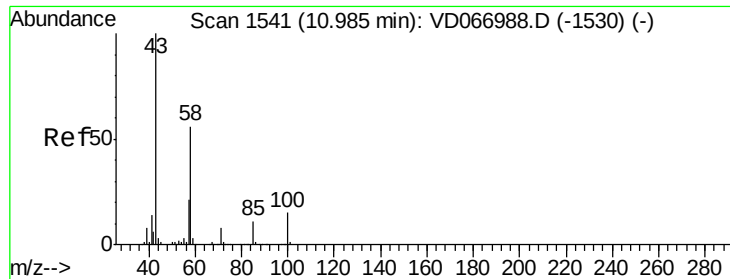
MMDadoda
 10/5/2020 5:34:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 282.767 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.0	25.3	37.9





#59

2-Hexanone

Concen: 270.157 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 374073

Ion Ratio Lower Upper

43 100

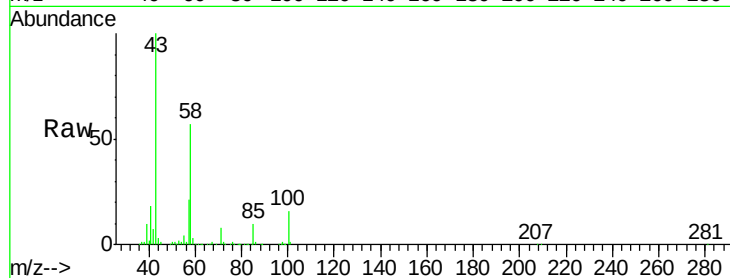
58 59.2 28.3 84.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

250000

200000

150000

100000

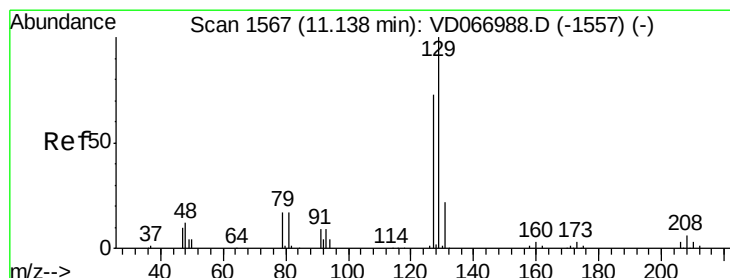
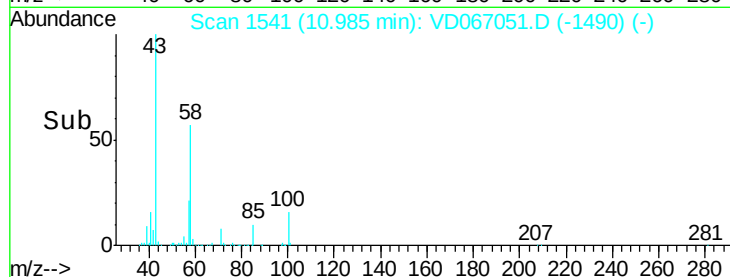
50000

0

10.90

11.00

Time-->



#60

Dibromochloromethane

Concen: 50.594 ug/l

RT: 11.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VD067051.D

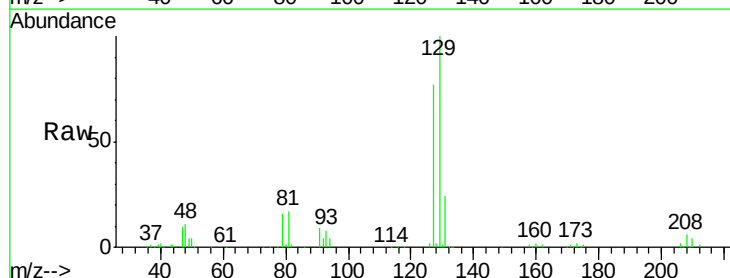
Acq: 02 Oct 2020 23:16

Tgt Ion:129 Resp: 229500

Ion Ratio Lower Upper

129 100

127 78.6 37.4 112.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

150000

100000

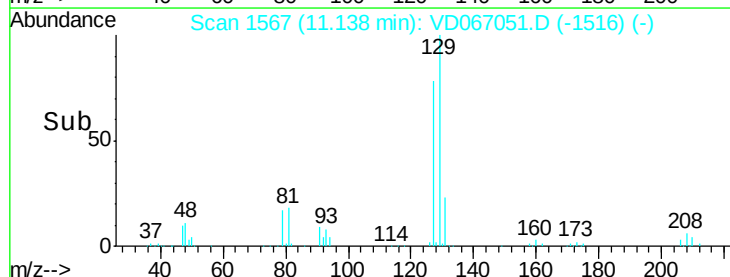
50000

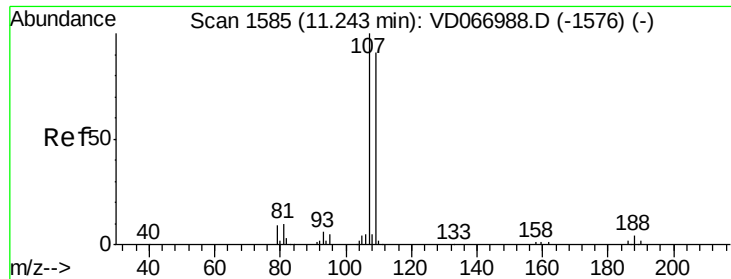
0

11.10

11.20

Time-->





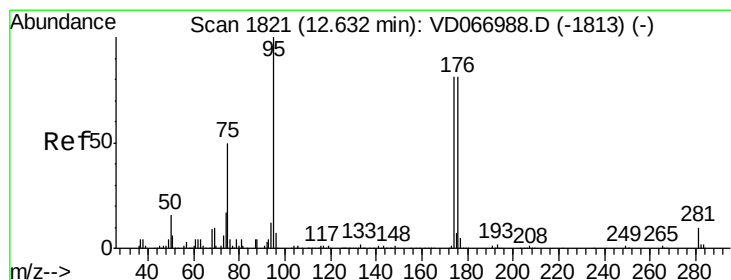
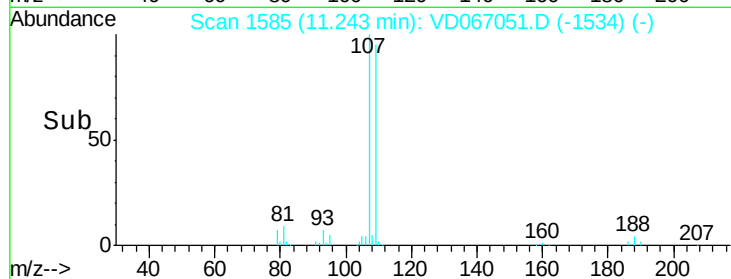
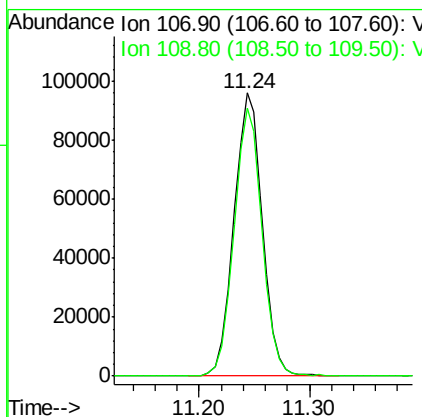
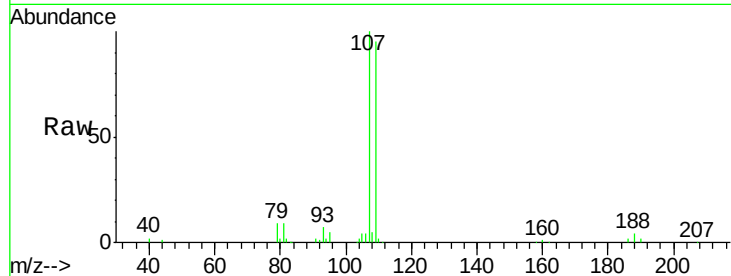
#61
 1,2-Dibromoethane
 Concen: 52.846 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	172791		
109	93.6	74.0	111.0	

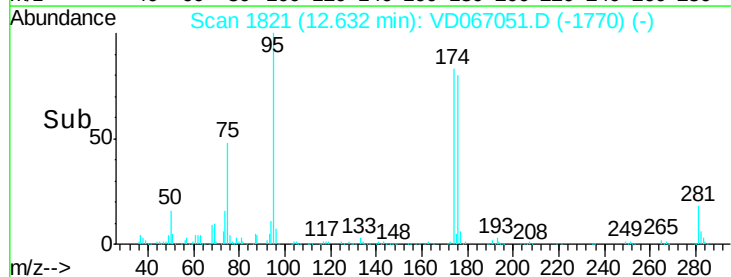
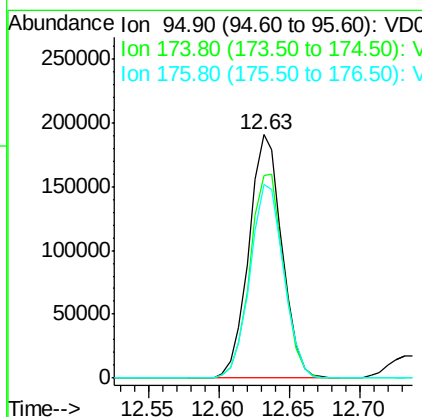
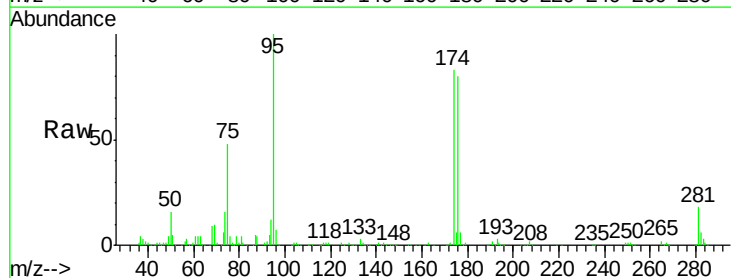
Manual Integrations
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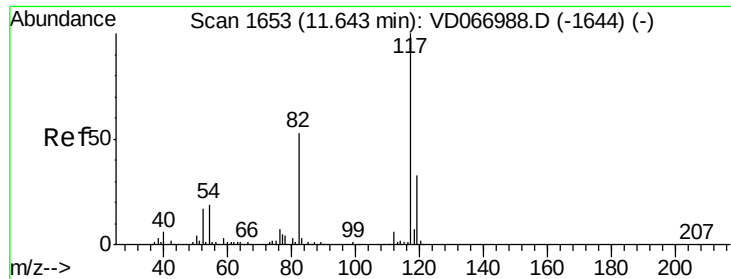
MMDadoda
 10/5/2020 5:34:34 PM



#62
 4-Bromofluorobenzene
 Concen: 55.307 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	313602		
174	84.9	0.0	167.6	
176	81.1	0.0	162.4	





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

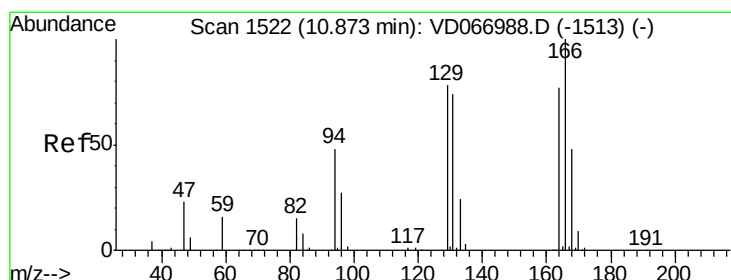
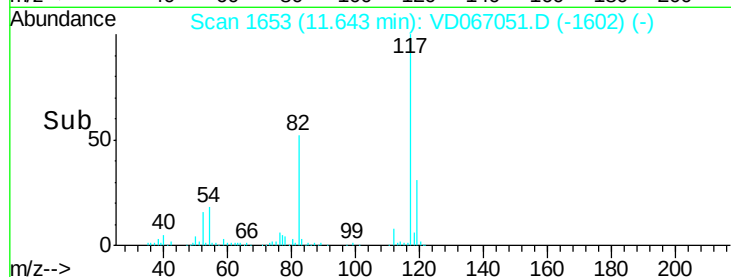
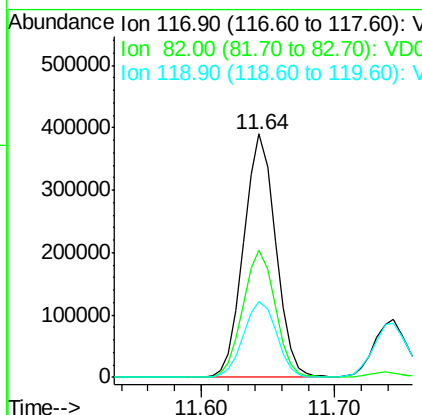
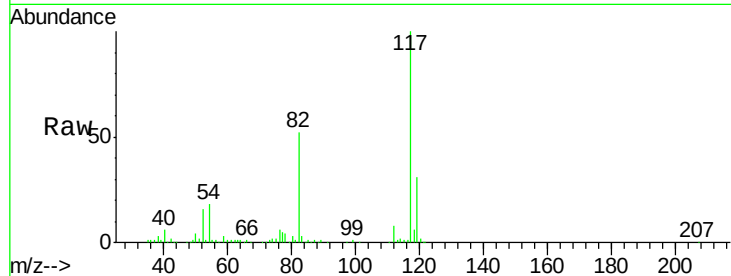
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	646987		
82	52.3		42.6	63.8
119	31.2		26.3	39.5

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#64

Tetrachloroethene

Concen: 46.565 ug/l

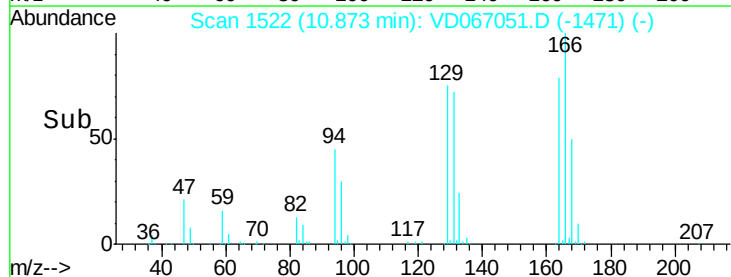
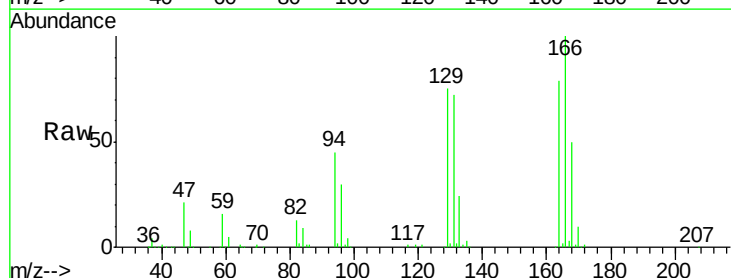
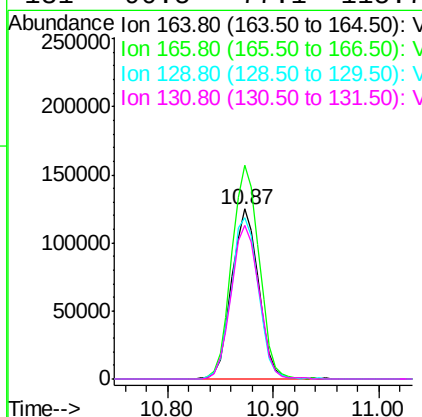
RT: 10.87 min Scan# 1522

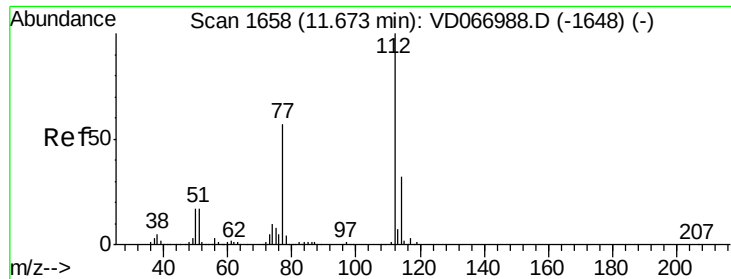
Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	219021		
166	125.8		104.4	156.6
129	94.8		81.3	121.9
131	90.5		77.1	115.7





#65

Chlorobenzene

Concen: 49.217 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 633312

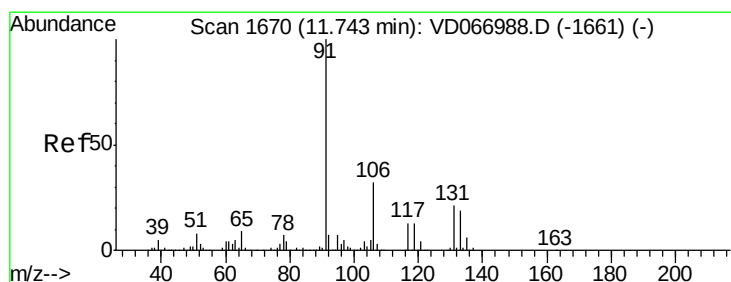
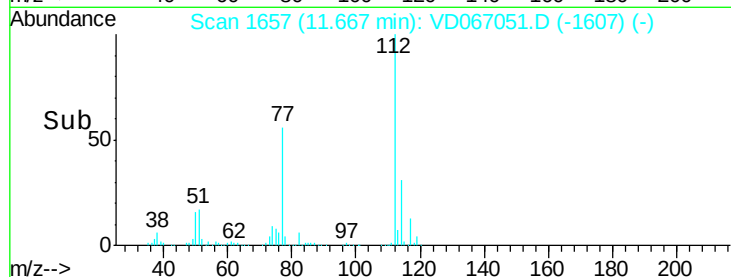
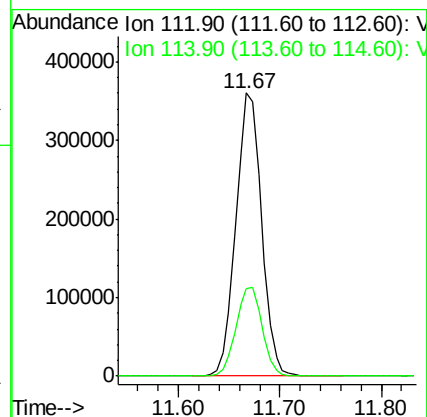
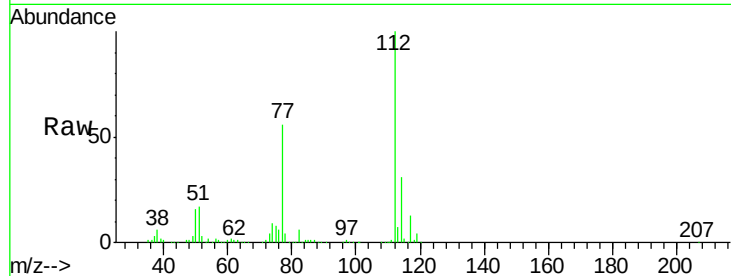
Ion Ratio Lower Upper

112 100

114 31.1 25.4 38.0

Manual Integrations
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10/5/2020 5:34:34 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 49.754 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

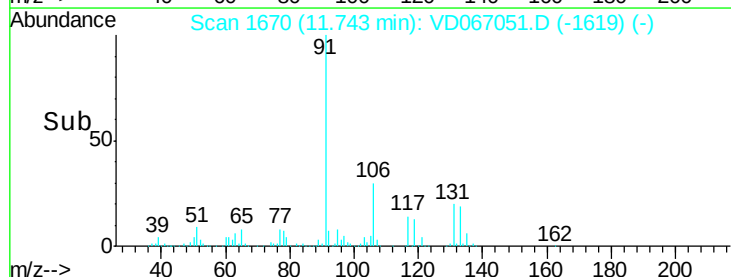
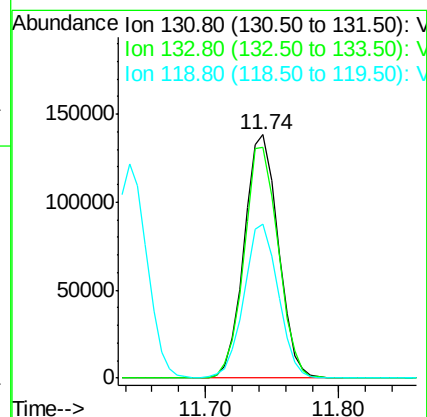
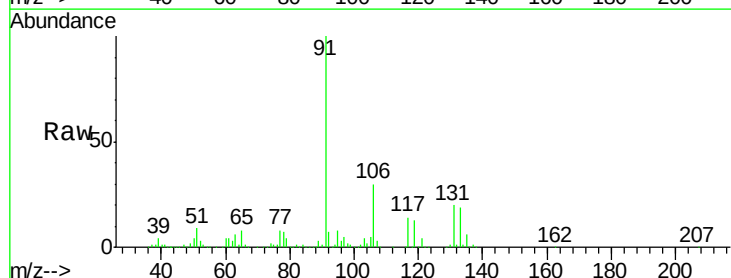
Tgt Ion:131 Resp: 243529

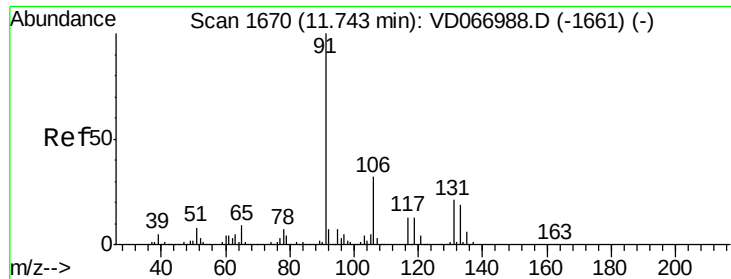
Ion Ratio Lower Upper

131 100

133 95.5 47.8 143.3

119 63.7 32.3 96.8





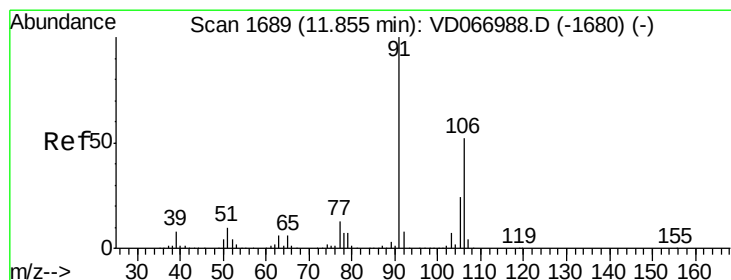
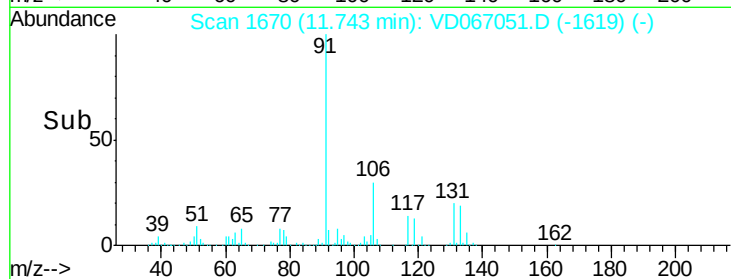
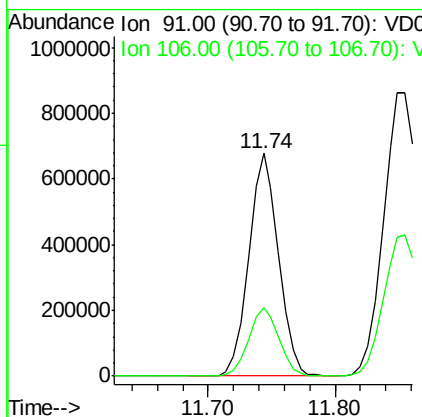
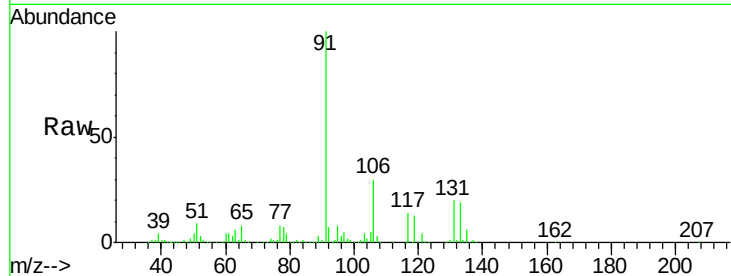
#67
Ethyl Benzene
Concen: 49.898 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1100137
Ion Ratio Lower Upper
91 100
106 30.5 25.4 38.2

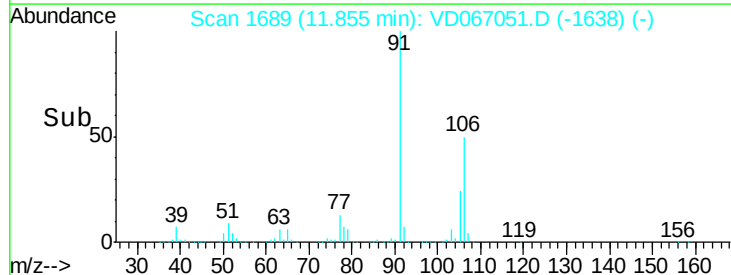
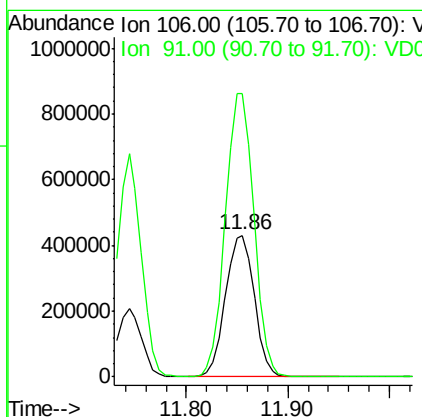
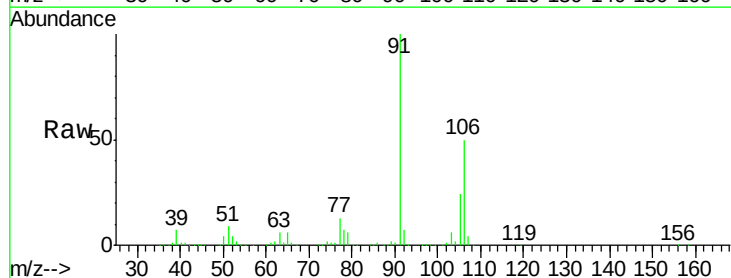
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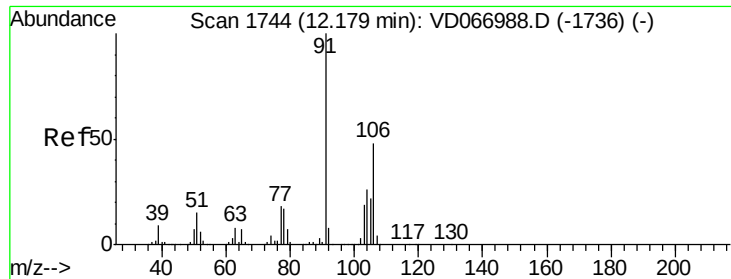
MMDadoda
10/5/2020 5:34:34 PM



#68
m/p-Xylenes
Concen: 98.579 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion: 106 Resp: 847020
Ion Ratio Lower Upper
106 100
91 199.2 158.4 237.6





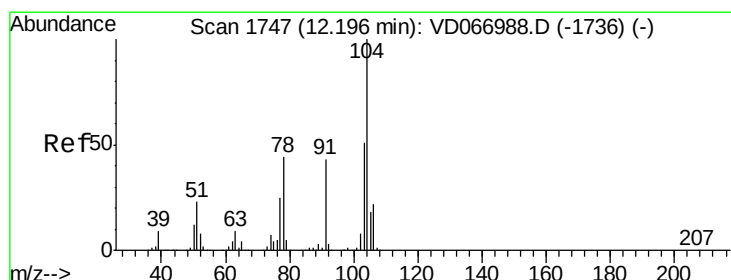
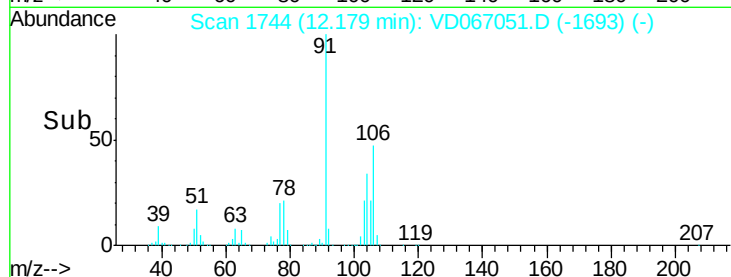
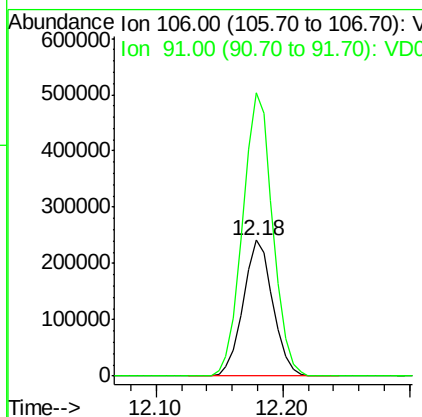
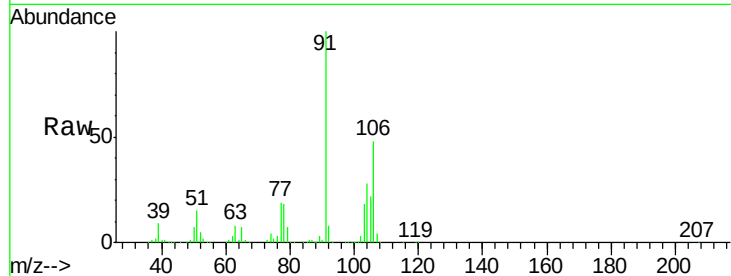
#69
o-Xylene
Concen: 51.200 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.8	102.4	307.2	

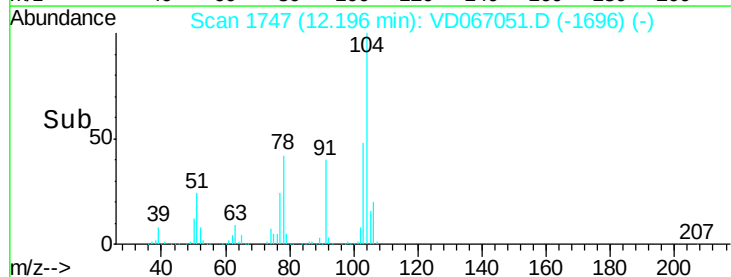
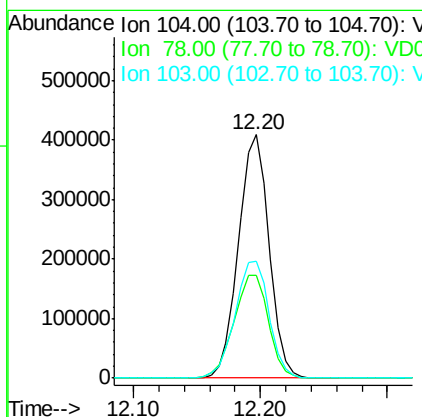
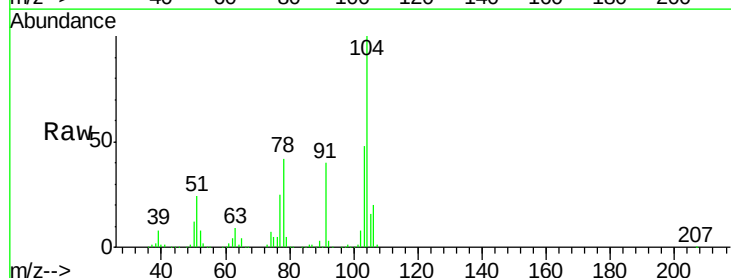
Manual Integrations
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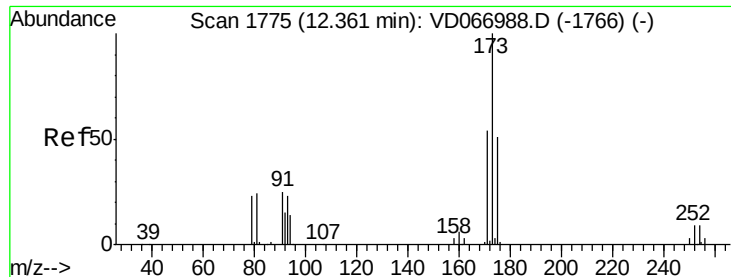
MMDadoda
10/5/2020 5:34:34 PM



#70
Styrene
Concen: 51.909 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.6	38.6	58.0	
103	53.5	43.4	65.0	





#71

Bromoform

Concen: 51.848 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 131733

Ion Ratio Lower Upper

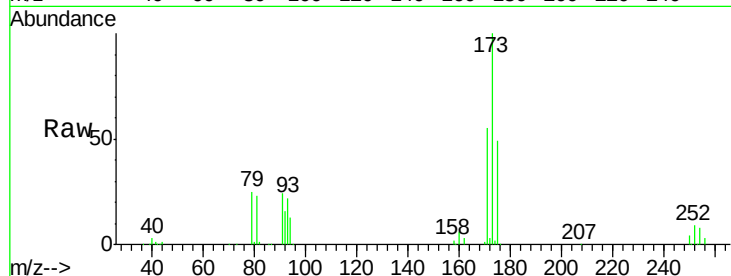
173 100

175 47.2 24.9 74.7

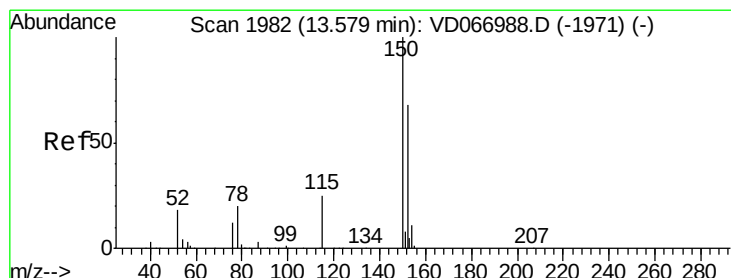
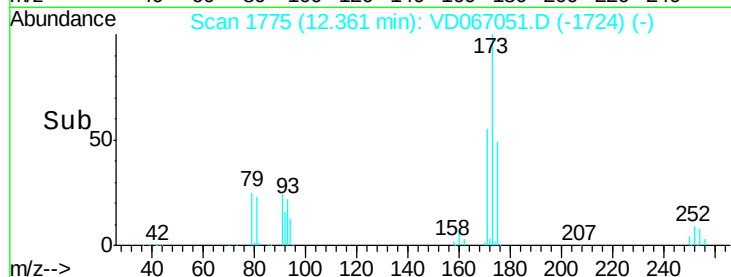
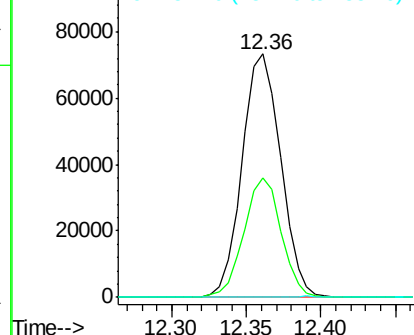
254 0.0 0.2 0.4#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

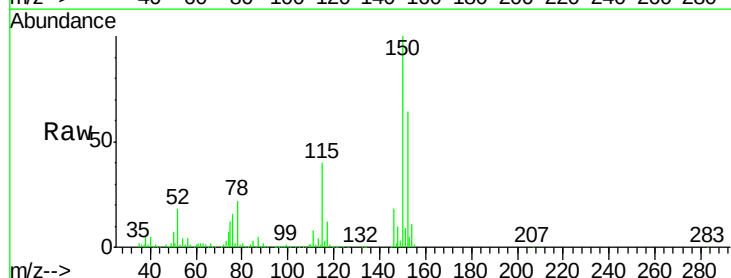
Tgt Ion:152 Resp: 311507

Ion Ratio Lower Upper

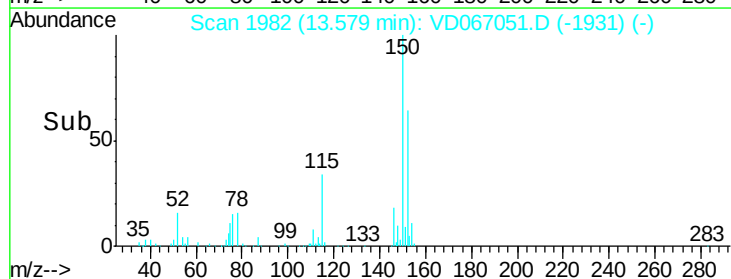
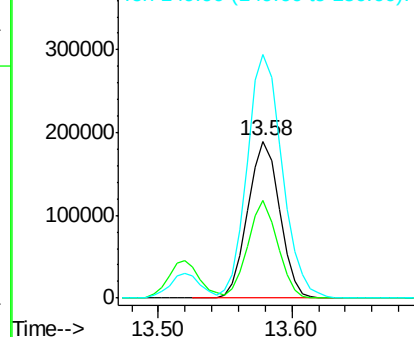
152 100

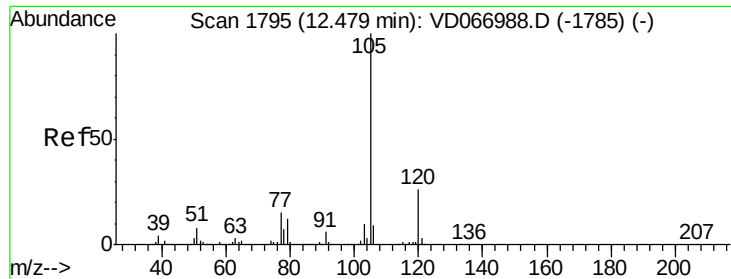
115 58.4 29.6 88.8

150 170.8 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.118 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1060092

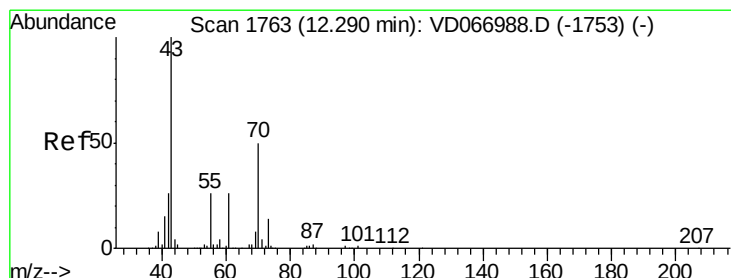
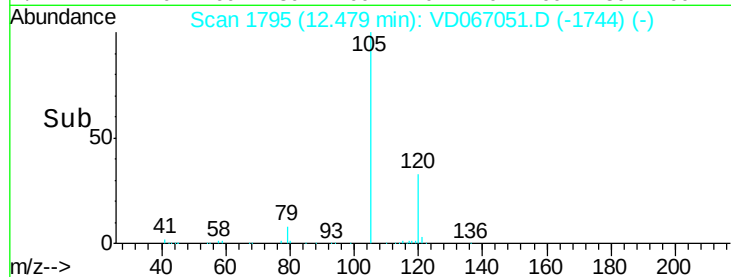
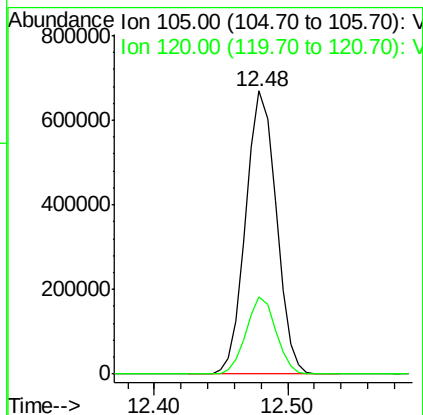
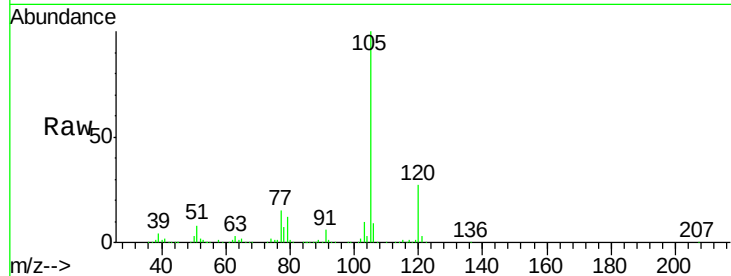
Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9

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#74

N-ethyl acetate

Concen: 52.093 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Tgt Ion: 43 Resp: 198077

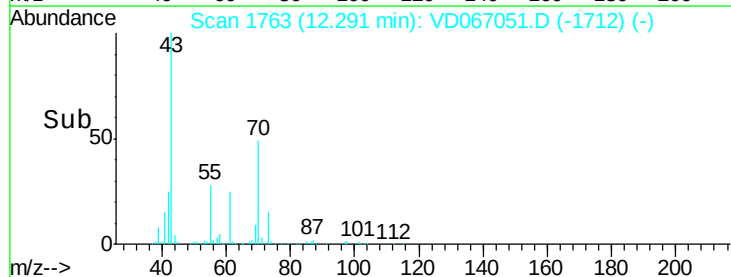
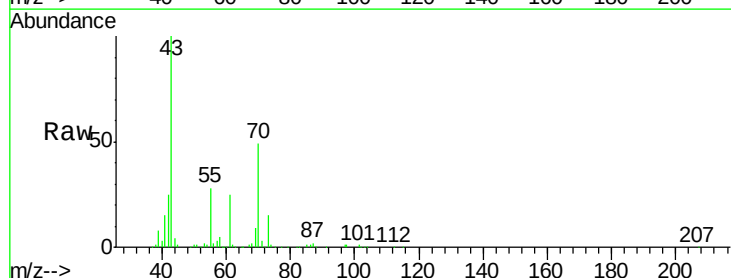
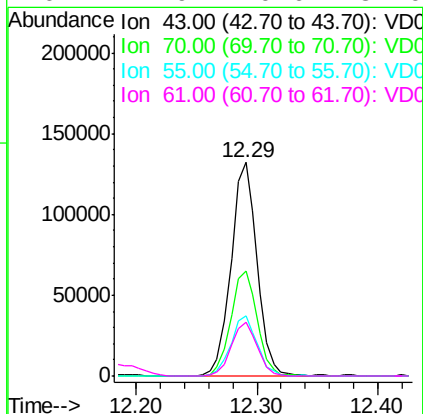
Ion Ratio Lower Upper

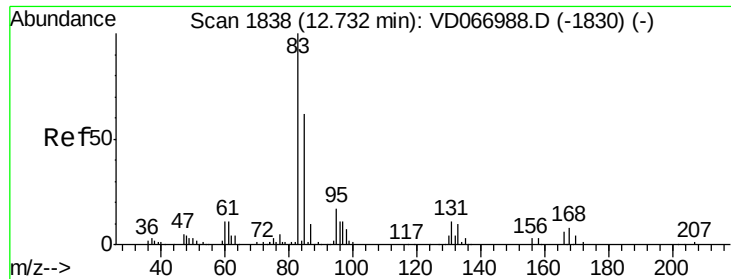
43 100

70 50.1 38.2 57.2

55 28.5 22.4 33.6

61 24.9 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.282 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

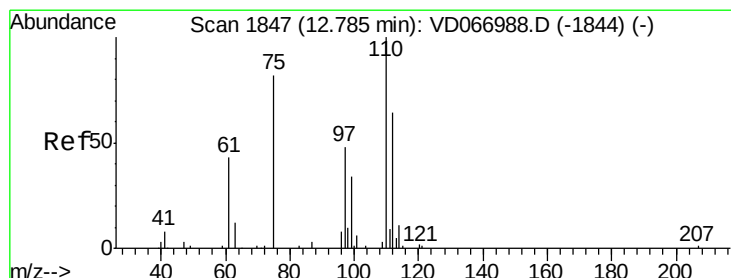
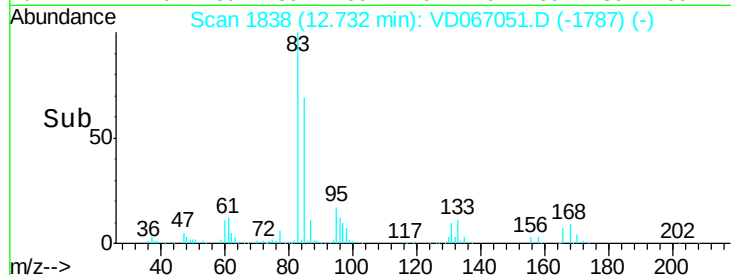
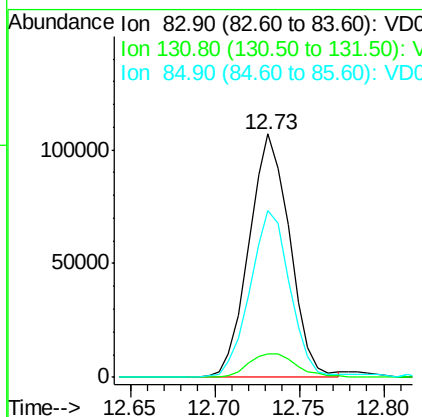
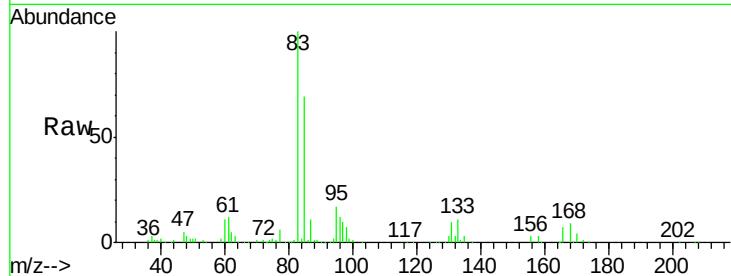
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	179194
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.7	17.0
85	67.4	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.406 ug/l m

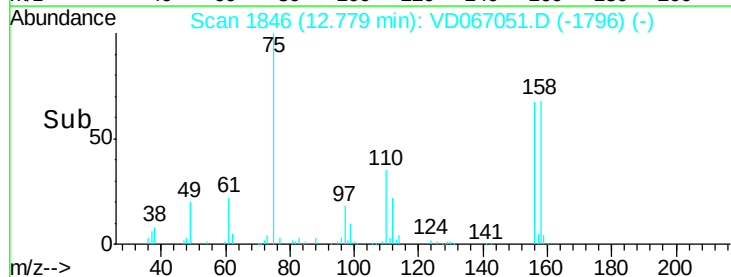
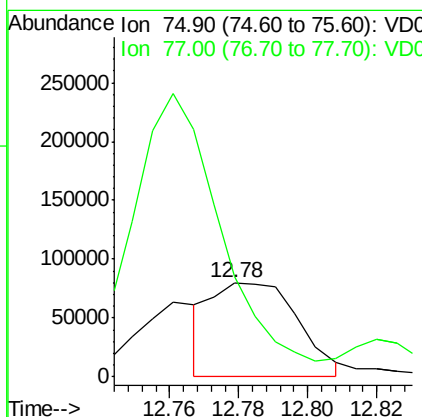
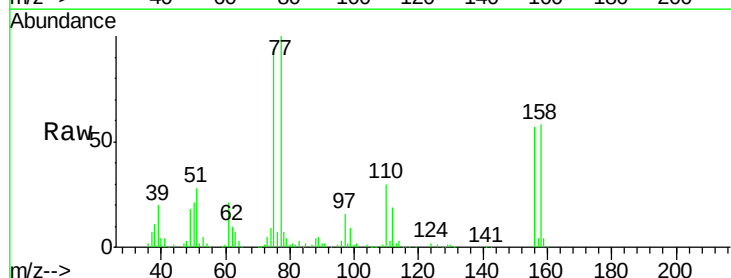
RT: 12.78 min Scan# 1846

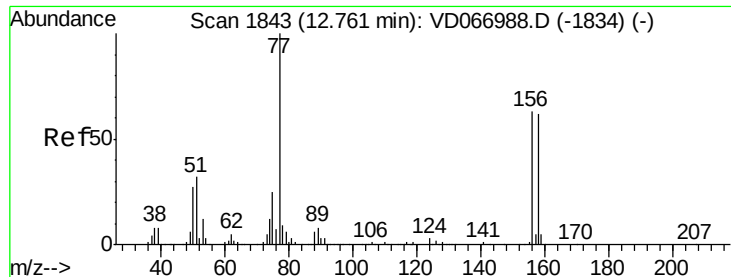
Delta R.T. -0.01 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Tgt Ion:	75	Resp:	139482
Ion Ratio	Lower	Upper	
75	100		
77	314.4	0.0	0.0#





#77

Bromobenzene

Concen: 50.334 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

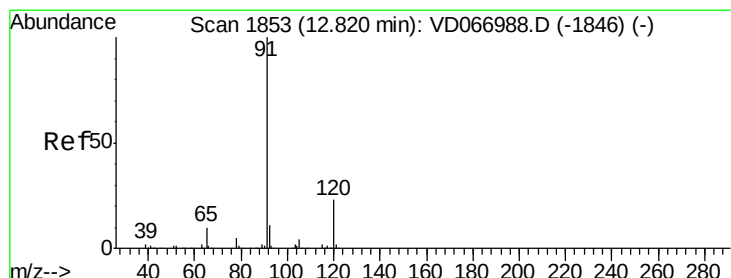
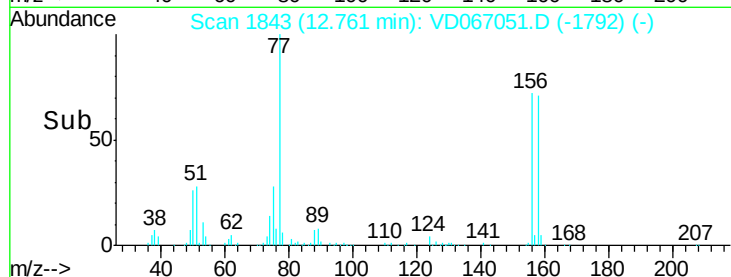
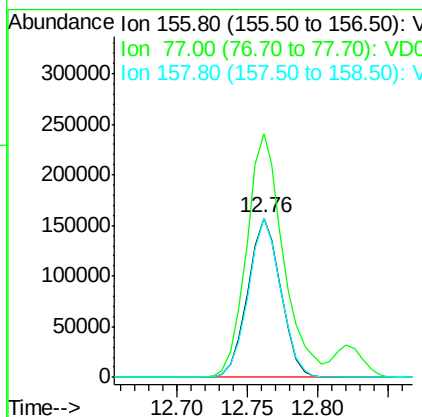
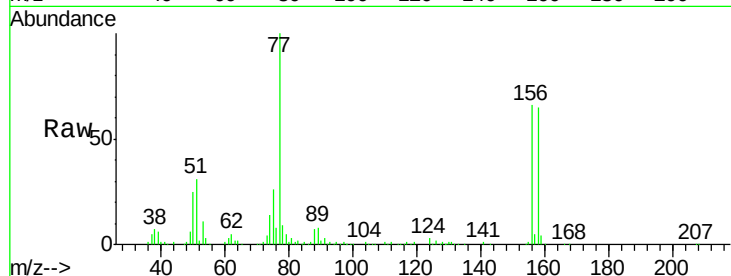
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	170.6	86.3	258.8
158	98.8	49.5	148.3

Manual Integrations
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10/5/2020 5:34:34 PM



#78

n-propylbenzene

Concen: 49.326 ug/l

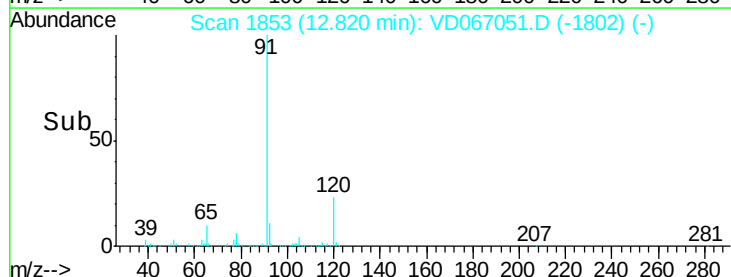
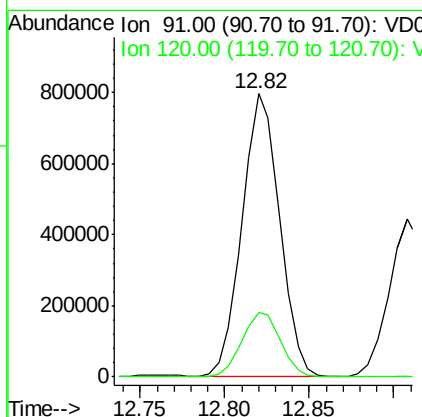
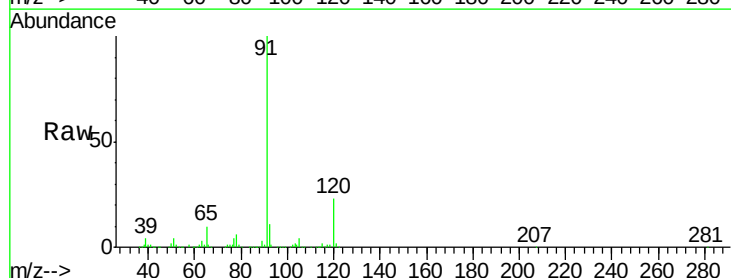
RT: 12.82 min Scan# 1853

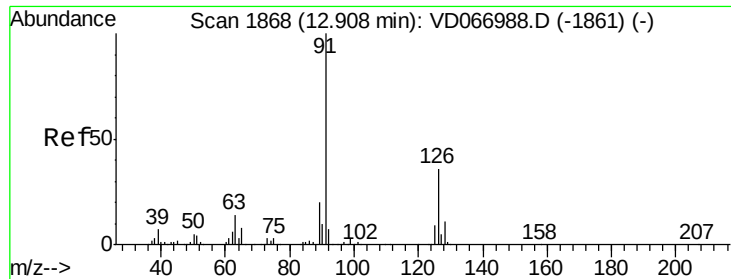
Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.6	34.8





#79

2-Chlorotoluene

Concen: 50.231 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 718417

Ion Ratio Lower Upper

91 100

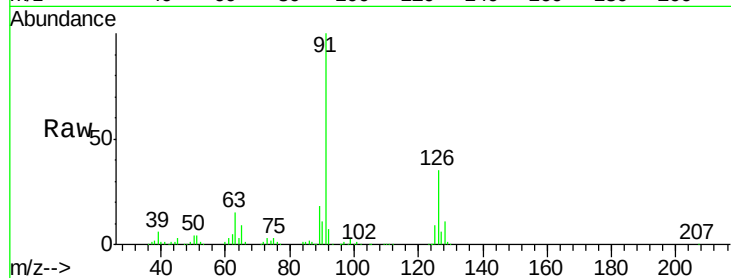
126 35.0 17.5 52.6

Manual Integrations

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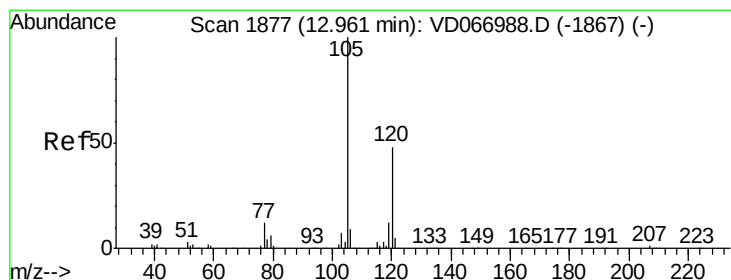
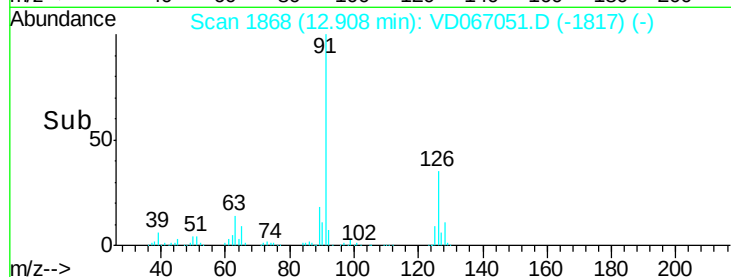
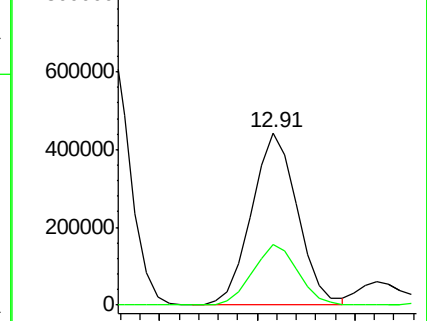
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VD066988.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD066988.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.736 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD067051.D

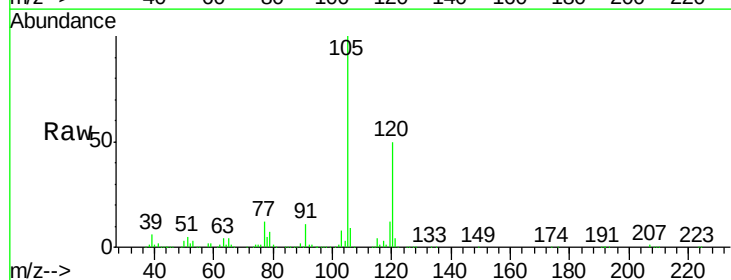
Acq: 02 Oct 2020 23:16

Tgt Ion: 105 Resp: 906692

Ion Ratio Lower Upper

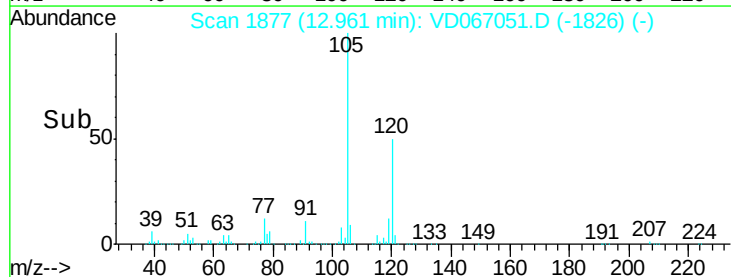
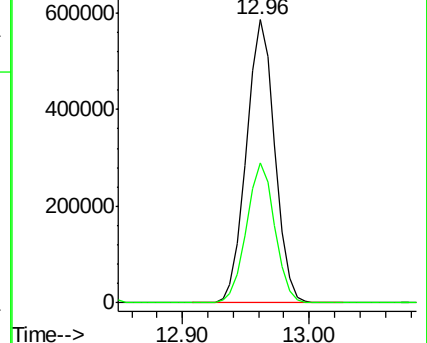
105 100

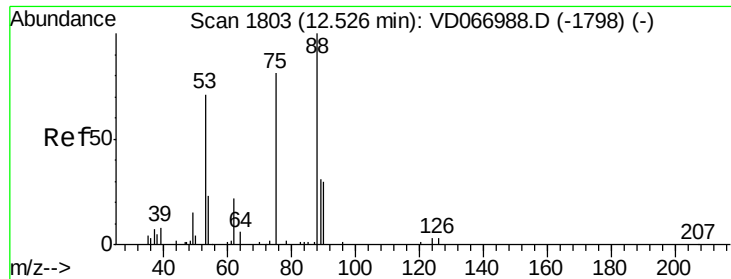
120 49.4 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VD066988.D (-1867) (-)

Ion 120.00 (119.70 to 120.70): VD066988.D (-1867) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.640 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

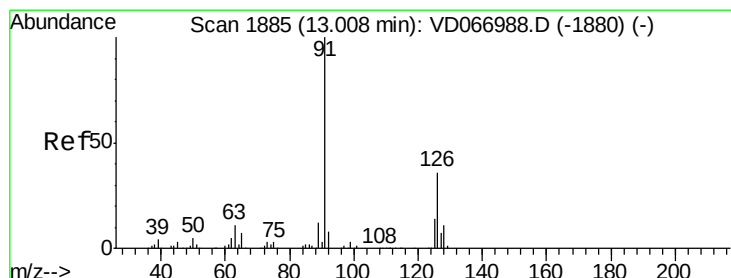
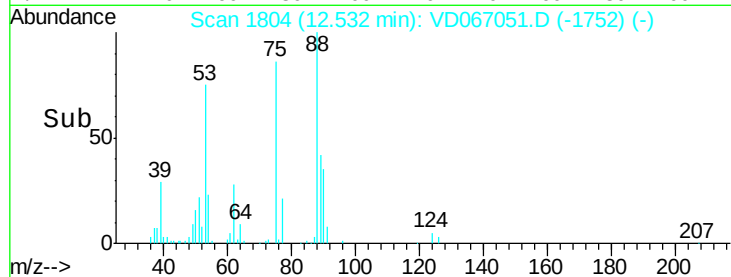
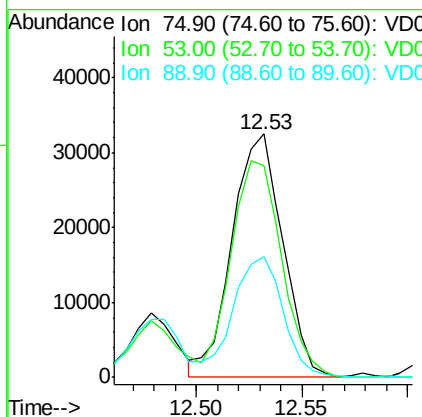
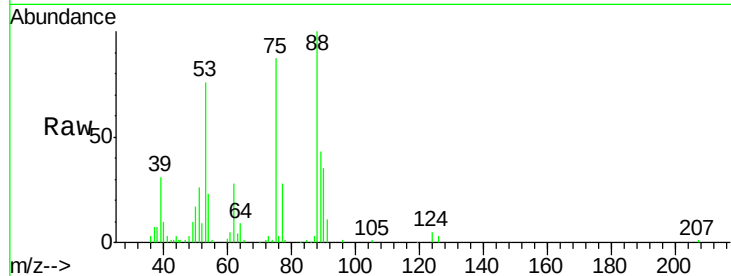
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	54024
Ion	Ratio	Lower	Upper
75	100		
53	89.1	73.8	110.6
89	48.9	38.9	58.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.988 ug/l

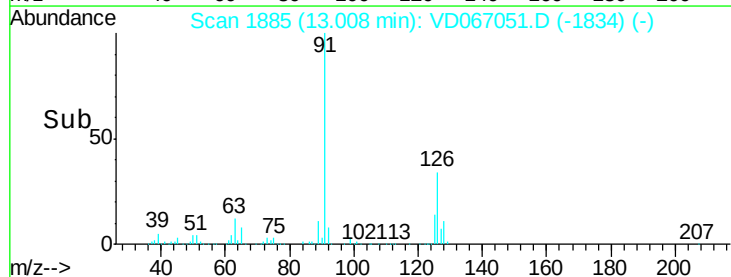
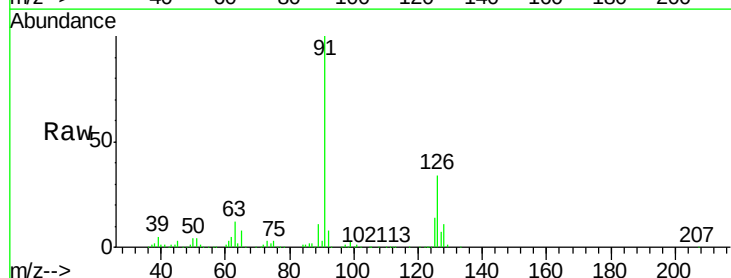
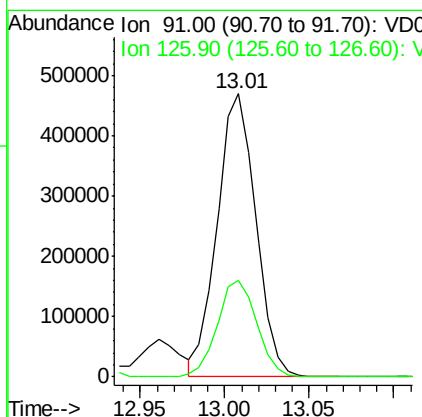
RT: 13.01 min Scan# 1885

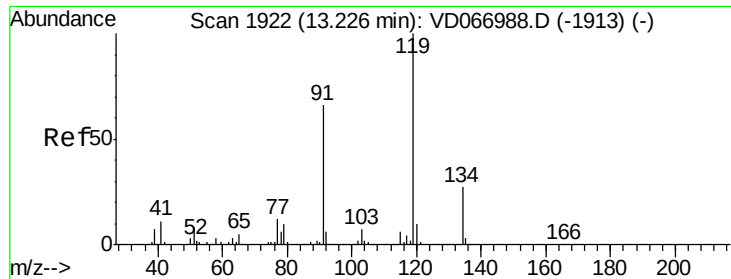
Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Tgt Ion:	91	Resp:	745451
Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.5	52.5





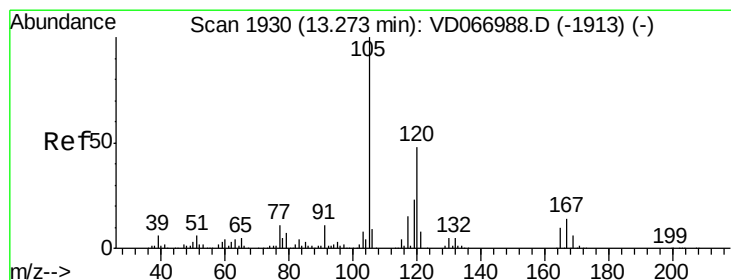
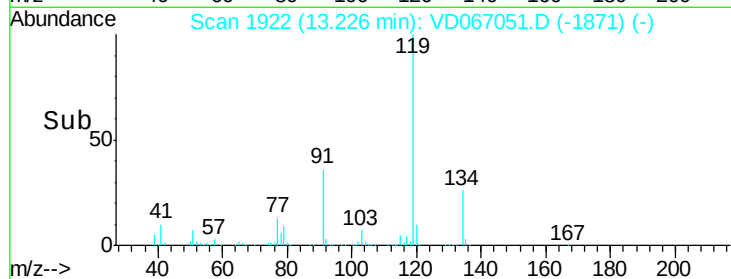
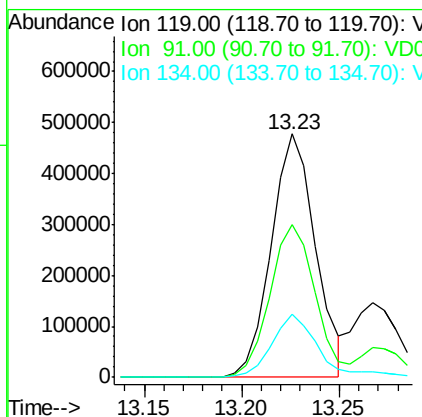
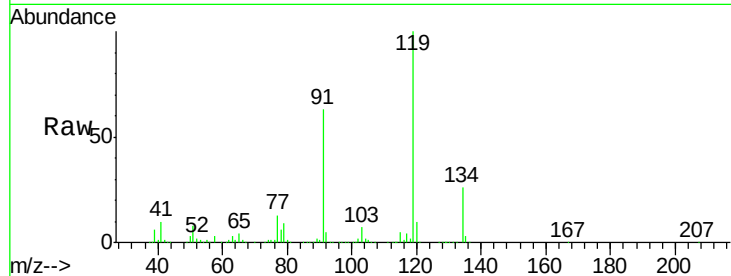
#83
 tert-Butylbenzene
 Concen: 49.879 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.6	32.8	98.3
134	27.3	13.9	41.7

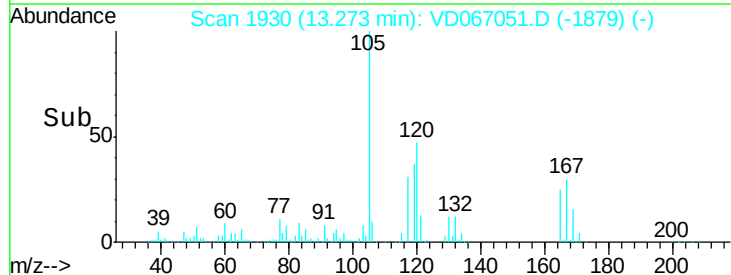
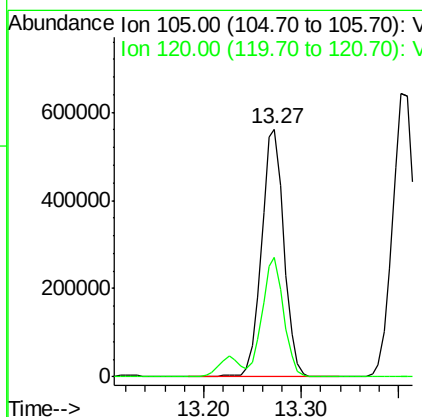
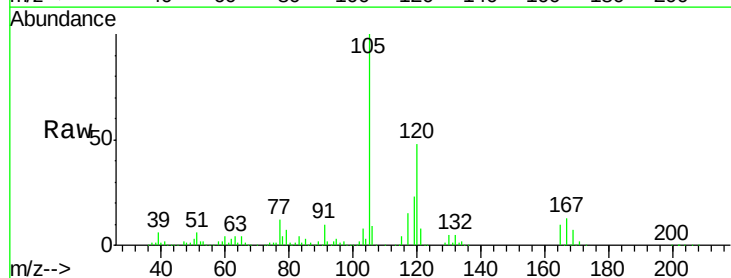
Manual Integrations
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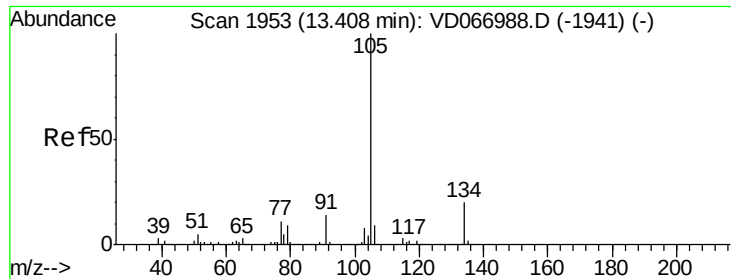
MMDadoda
 10/5/2020 5:34:34 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.904 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.3	69.8





#85

sec-Butylbenzene

Concen: 49.036 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1039211

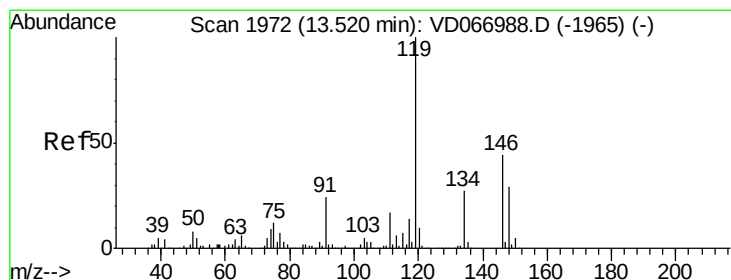
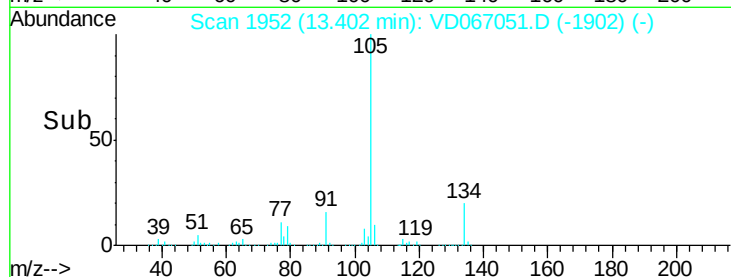
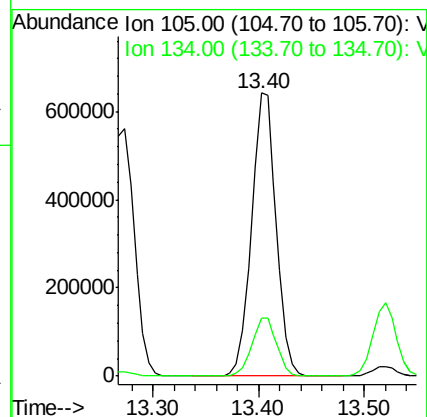
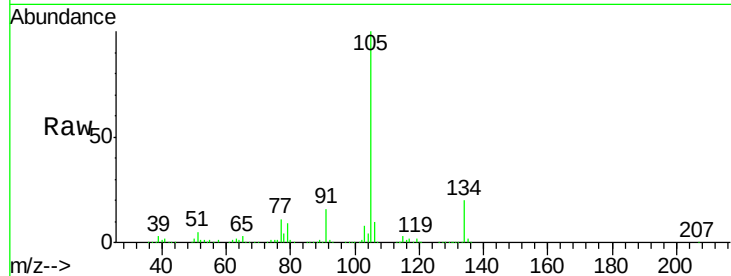
Ion Ratio Lower Upper

105 100

134 20.7 10.3 30.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 49.784 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

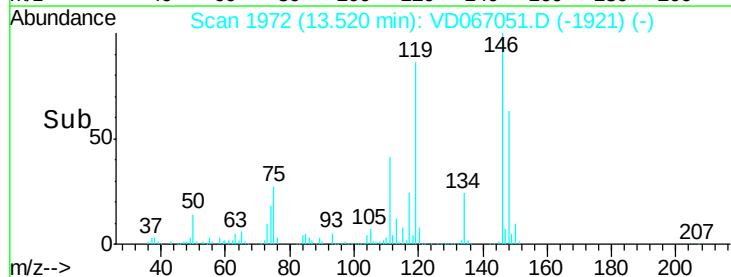
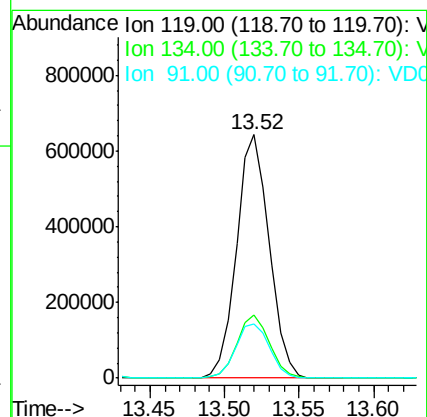
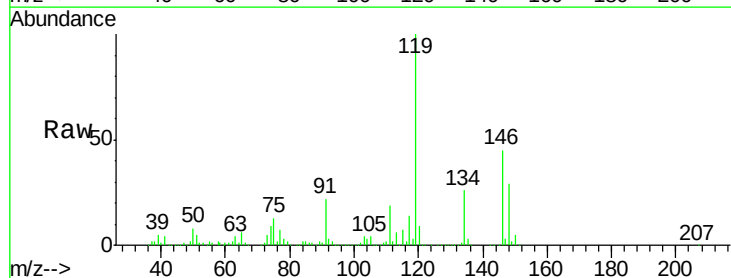
Tgt Ion:119 Resp: 978147

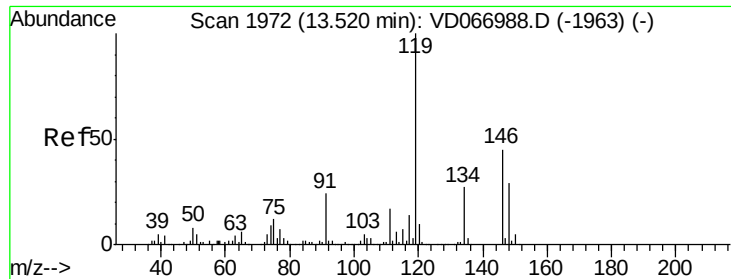
Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.1

91 23.2 11.7 35.1





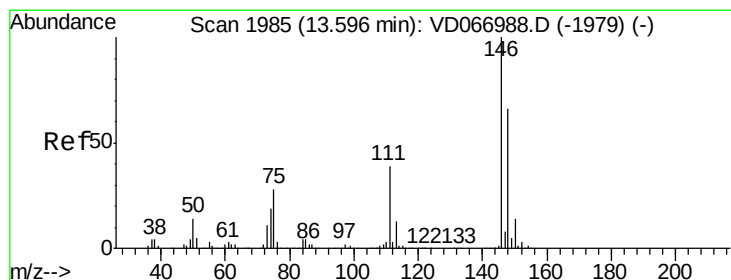
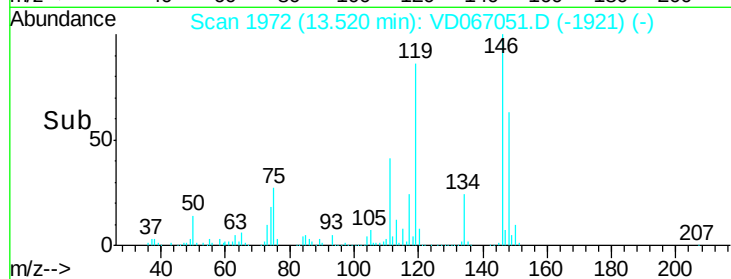
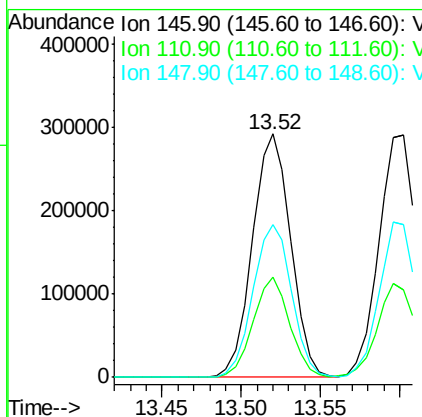
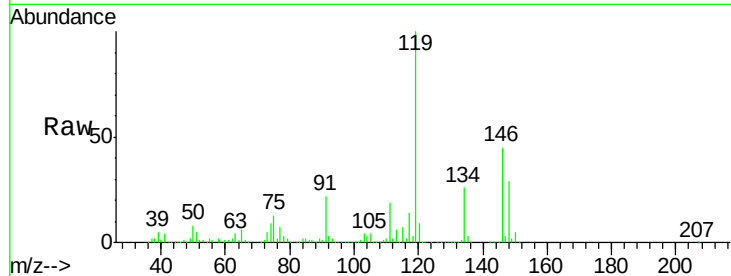
#87
1,3-Dichlorobenzene
Concen: 49.350 ug/l
RT: 13.52 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	490943		
111	39.4	20.0	60.0	
148	63.2	31.9	95.9	

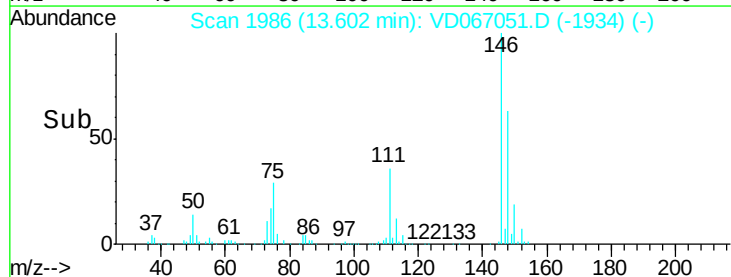
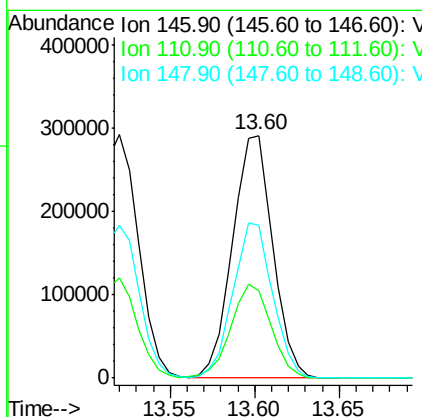
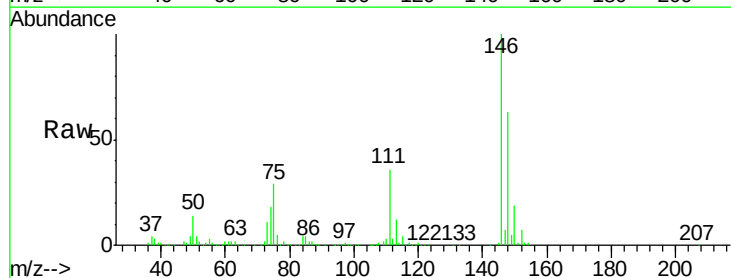
Manual Integrations
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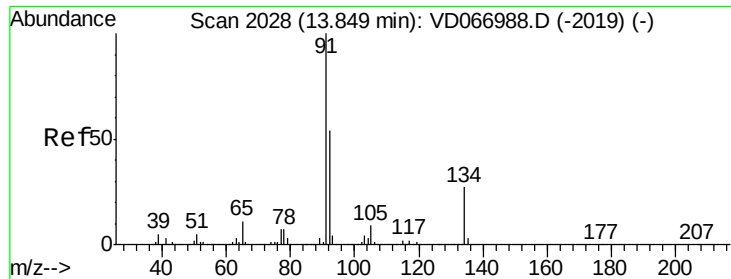
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#88
1,4-Dichlorobenzene
Concen: 48.650 ug/l
RT: 13.60 min Scan# 1986
Delta R.T. 0.01 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	483930		
111	38.8	19.6	58.7	
148	63.2	32.6	97.7	





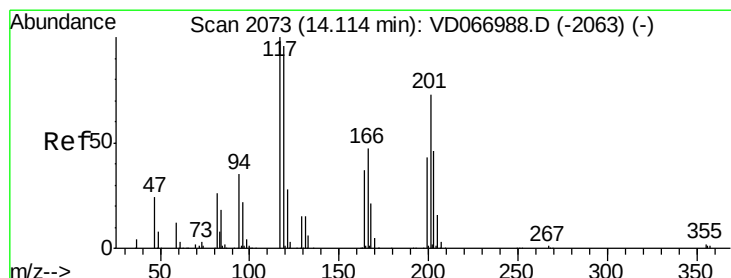
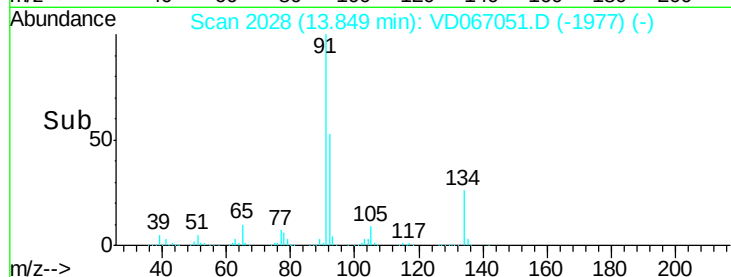
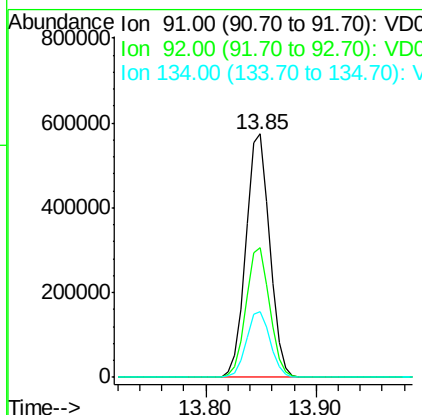
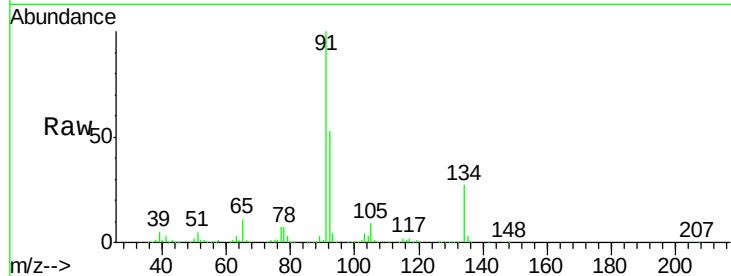
#89
n-Butylbenzene
Concen: 48.599 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	27.1	81.2
134	27.0	13.6	40.8

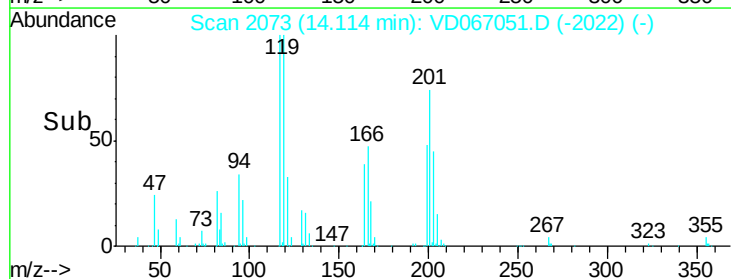
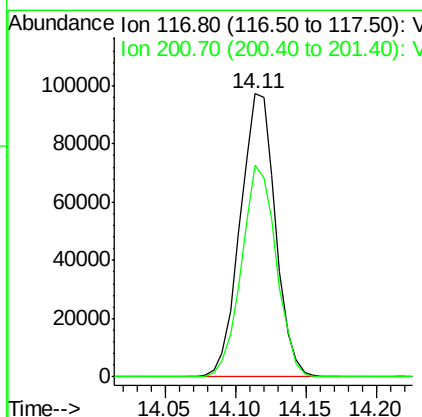
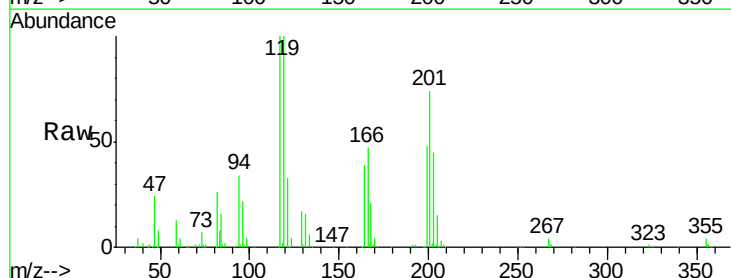
Manual Integrations
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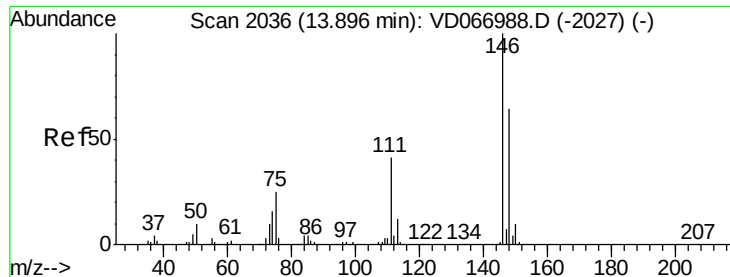
MMDadoda
10/5/2020 5:34:34 PM



#90
Hexachloroethane
Concen: 49.310 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.6	37.0	110.9





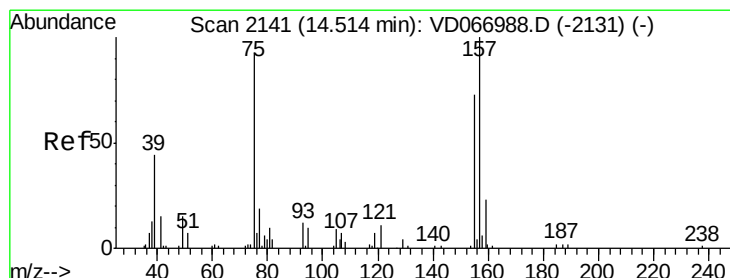
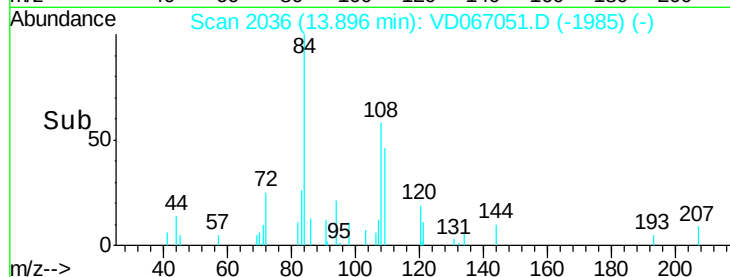
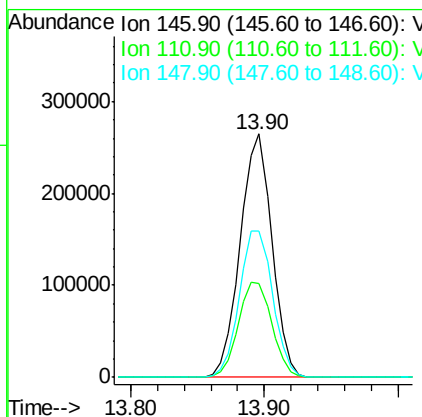
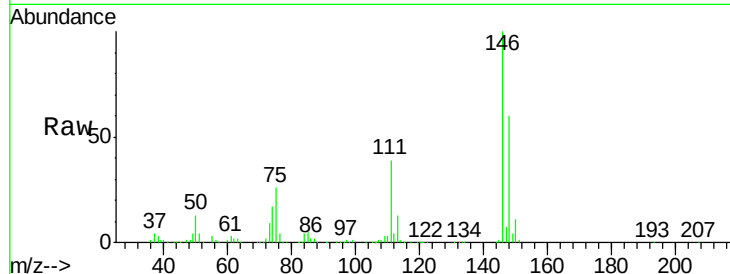
#91
 1,2-Dichlorobenzene
 Concen: 50.134 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	435578		
111	41.4	20.9	62.7	
148	63.5	32.3	96.9	

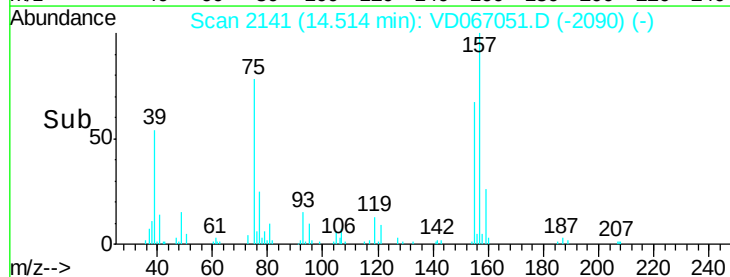
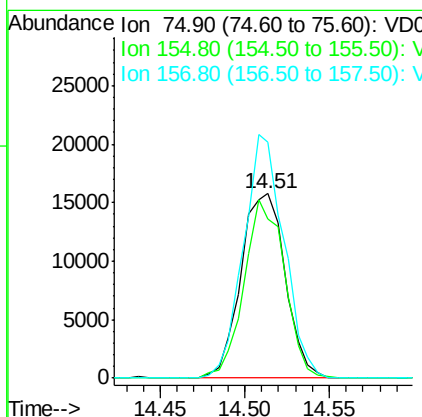
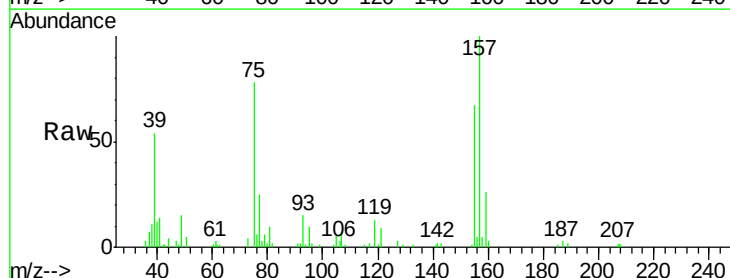
Manual Integrations
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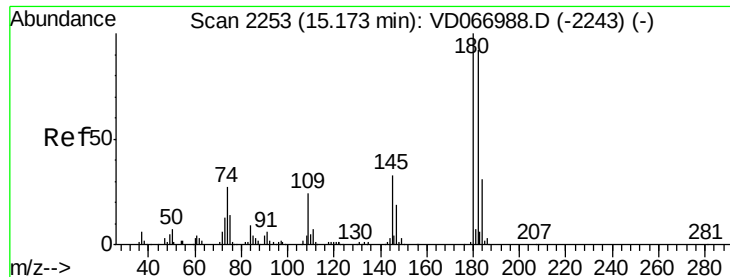
MMDadoda
 10/5/2020 5:34:34 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.081 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	28770		
155	88.2	45.2	135.6	
157	120.4	56.3	168.8	





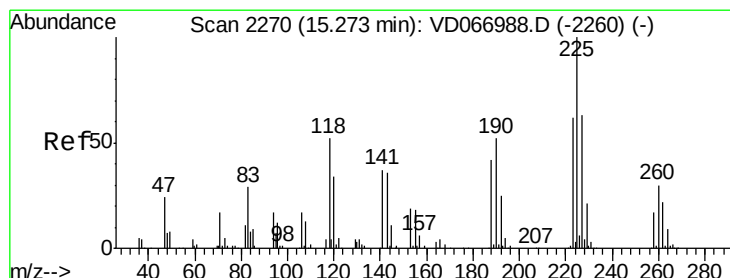
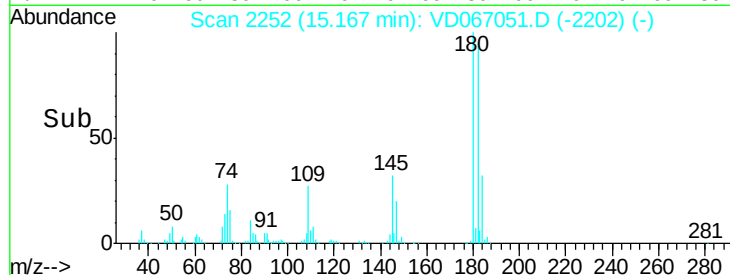
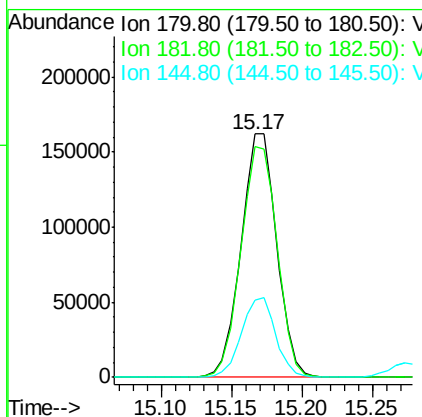
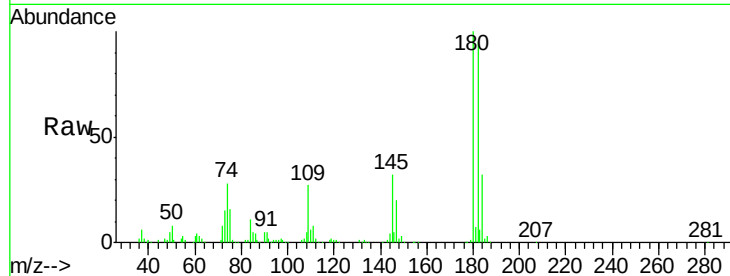
#93
 1,2,4-Trichlorobenzene
 Concen: 51.138 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	287383		
182	96.2	47.3	142.0	
145	31.2	16.4	49.1	

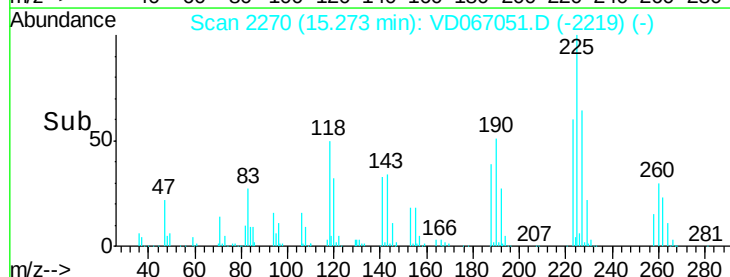
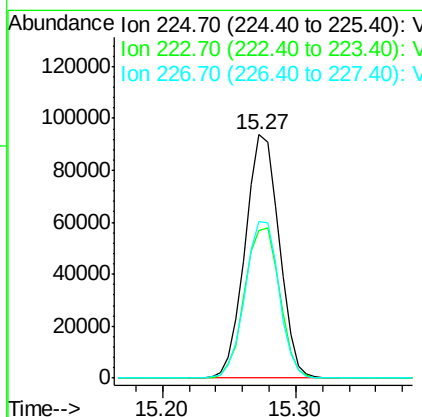
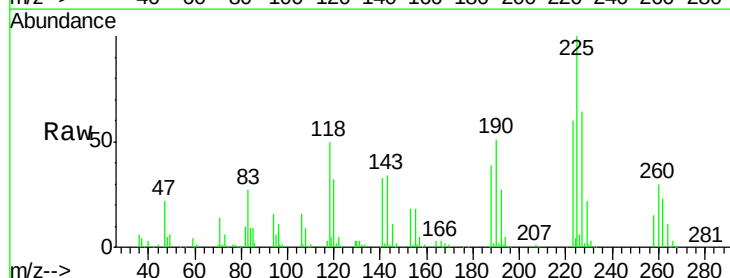
Manual Integrations
 APPROVED

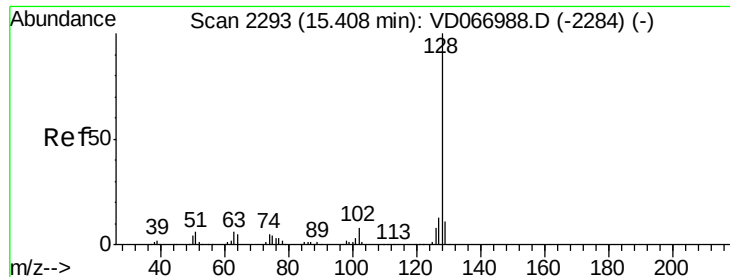
MMDadoda
 10/5/2020 5:34:34 PM



#94
 Hexachlorobutadiene
 Concen: 47.672 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	164533		
223	63.9	32.4	97.0	
227	64.1	31.6	95.0	





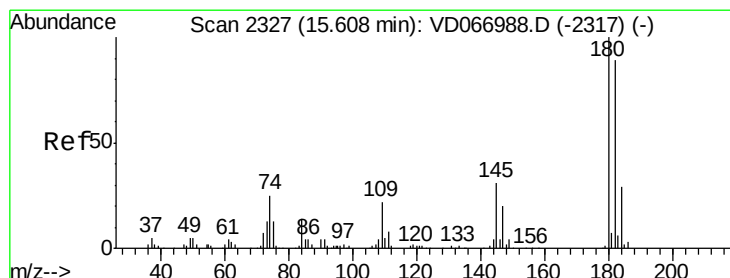
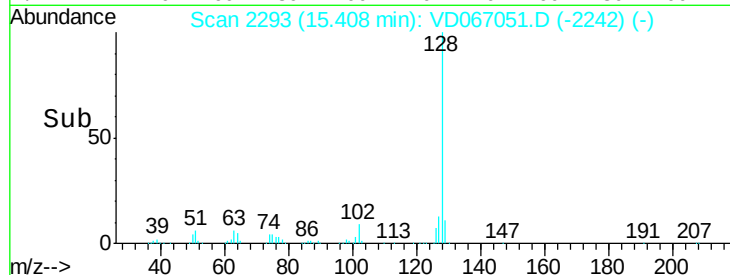
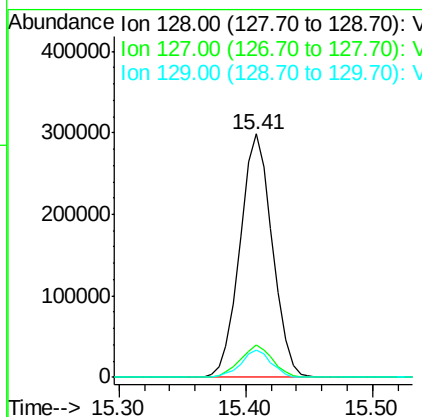
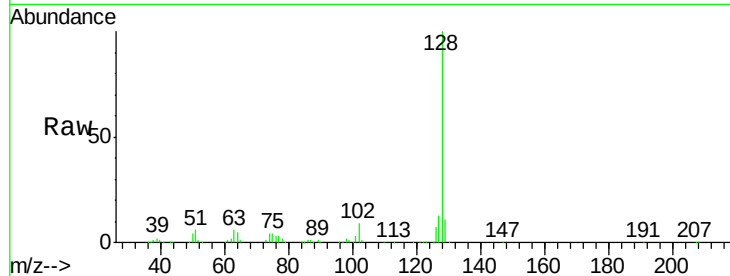
#95
Naphthalene
Concen: 56.350 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	528206		
127	13.2		10.3	15.5
129	10.5		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:34:34 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.663 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	256916		
182	96.3		46.4	139.1
145	33.3		16.6	49.7

