

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067165.D
 Acq On : 07 Oct 2020 21:57
 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
 10/8/2020 5:39:35 PM

Quant Time: Oct 08 08:33:41 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	362097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	556121	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	524959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	259540	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	181867	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
35) Dibromofluoromethane	7.92	113	200406	55.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.08%	
50) Toluene-d8	10.34	98	710443	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
62) 4-Bromofluorobenzene	12.64	95	255040	56.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	164617	57.185	ug/l	94
3) Chloromethane	2.21	50	128190	44.454	ug/l	96
4) Vinyl Chloride	2.35	62	133537	46.183	ug/l	94
5) Bromomethane	2.77	94	106183	57.634	ug/l	96
6) Chloroethane	2.92	64	85082	48.318	ug/l	94
7) Trichlorofluoromethane	3.27	101	305923	47.621	ug/l	99
8) Diethyl Ether	3.71	74	79609	49.973	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.10	101	171897	47.342	ug/l	97
10) Methyl Iodide	4.30	142	197681	56.031	ug/l	97
11) Tert butyl alcohol	5.21	59	47776	229.813	ug/l #	89
12) 1,1-Dichloroethene	4.07	96	157939	46.271	ug/l	97
13) Acrolein	3.92	56	60424	258.736	ug/l	97
14) Allyl chloride	4.71	41	205701	46.389	ug/l	94
15) Acrylonitrile	5.42	53	137318	234.208	ug/l	99
16) Acetone	4.16	43	116020	217.919	ug/l	99
17) Carbon Disulfide	4.41	76	481299	45.945	ug/l	98
18) Methyl Acetate	4.72	43	66776	49.903	ug/l	94
19) Methyl tert-butyl Ether	5.48	73	332737	53.399	ug/l	95
20) Methylene Chloride	4.96	84	199501	53.283	ug/l	97
21) trans-1,2-Dichloroethene	5.48	96	194263	50.009	ug/l	95
22) Diisopropyl ether	6.36	45	396713	49.004	ug/l	94
23) Vinyl Acetate	6.31	43	1112322	242.474	ug/l	98
24) 1,1-Dichloroethane	6.26	63	308573	49.390	ug/l	98
25) 2-Butanone	7.21	43	171656	227.413	ug/l	91
26) 2,2-Dichloropropane	7.21	77	267941	50.168	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	218664	52.706	ug/l	95
28) Bromochloromethane	7.54	49	113309	46.962	ug/l	85
29) Tetrahydrofuran	7.56	42	97820	225.384	ug/l	94
30) Chloroform	7.71	83	352576	52.023	ug/l	99
31) Cyclohexane	7.98	56	220272	42.054	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	323993	51.583	ug/l	97
36) 1,1-Dichloropropene	8.11	75	253811	48.964	ug/l	98
37) Ethyl Acetate	7.29	43	78645	43.795	ug/l	98
38) Carbon Tetrachloride	8.10	117	299269	53.359	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	267393	48.791	ug/l	95
40) Benzene	8.35	78	731596	50.813	ug/l	94
41) Methacrylonitrile	7.53	41	45441	46.839	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	209392	52.046	ug/l	99
43) Isopropyl Acetate	8.45	43	156649	47.352	ug/l	95
44) Trichloroethene	9.11	130	231407	53.824	ug/l	93
45) 1,2-Dichloropropane	9.38	63	172443	50.974	ug/l	96
46) Dibromomethane	9.47	93	102937	52.941	ug/l	96
47) Bromodichloromethane	9.66	83	271921	53.800	ug/l	99
48) Methyl methacrylate	9.46	41	75930	44.801	ug/l #	79
49) 1,4-Dioxane	9.47	88	20688	1019.469	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	399163	242.240	ug/l	99
52) Toluene	10.40	92	497126	53.600	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	244300	54.083	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	289615	52.505	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	139442	51.583	ug/l	95
56) Ethyl methacrylate	10.66	69	155848	55.841	ug/l	98
57) 1,3-Dichloropropane	10.95	76	231101	52.719	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	412892	265.800	ug/l	96
59) 2-Hexanone	10.98	43	267912	243.598	ug/l	93
60) Dibromochloromethane	11.14	129	201183	55.838	ug/l	98
61) 1,2-Dibromoethane	11.24	107	139189	53.595	ug/l	98
64) Tetrachloroethene	10.87	164	197835	51.837	ug/l	94
65) Chlorobenzene	11.67	112	540404	51.759	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	213944	53.870	ug/l	98
67) Ethyl Benzene	11.74	91	951079	53.165	ug/l	98
68) m/p-Xylenes	11.86	106	734418	105.343	ug/l	99
69) o-Xylene	12.18	106	336880	54.035	ug/l	94
70) Styrene	12.20	104	588323	54.955	ug/l	99
71) Bromoform	12.36	173	110022	53.369	ug/l #	99
73) Isopropylbenzene	12.48	105	932433	52.910	ug/l	99
74) N-amyl acetate	12.29	43	146218	46.154	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	140803	47.420	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	98109m	43.398	ug/l	
77) Bromobenzene	12.76	156	225627	53.022	ug/l	93
78) n-propylbenzene	12.83	91	1069776	51.364	ug/l	99
79) 2-Chlorotoluene	12.91	91	614966	51.607	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	798983	53.661	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	44849	49.460	ug/l	96
82) 4-Chlorotoluene	13.01	91	655366	51.692	ug/l	100
83) tert-Butylbenzene	13.23	119	686838	54.779	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	792340	53.323	ug/l	99
85) sec-Butylbenzene	13.41	105	919524	52.076	ug/l	98
86) p-Isopropyltoluene	13.52	119	849644	51.902	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	422956	51.028	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	428726	51.730	ug/l	98
89) n-Butylbenzene	13.85	91	763114	51.007	ug/l	100
90) Hexachloroethane	14.12	117	146449	51.072	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	373211	51.557	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	22910	47.865	ug/l	94

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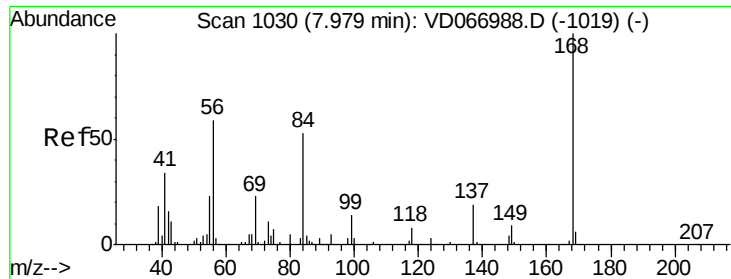
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	252818	53.995	ug/l	98
94) Hexachlorobutadiene	15.28	225	150951	52.494	ug/l	99
95) Naphthalene	15.41	128	433852	55.552	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	222581	54.760	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 362097

Ion Ratio Lower Upper

168 100

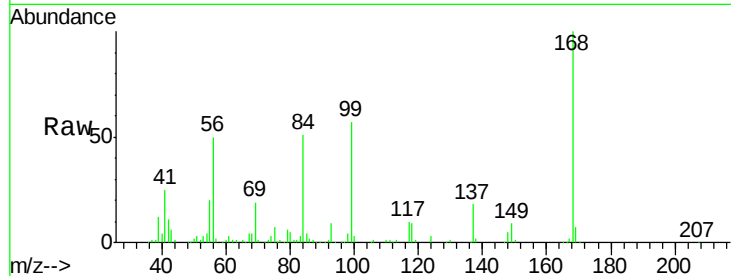
99 56.9 44.1 66.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

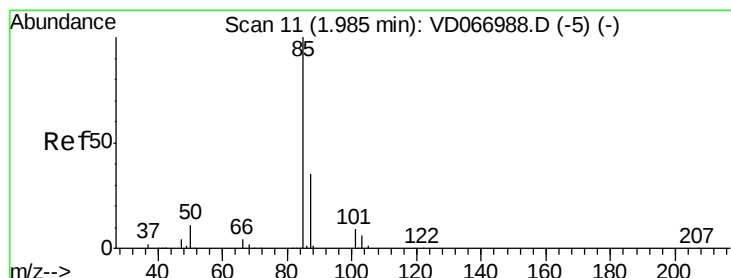
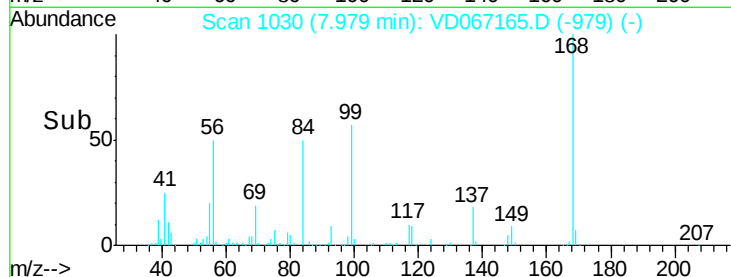
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 57.185 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067165.D

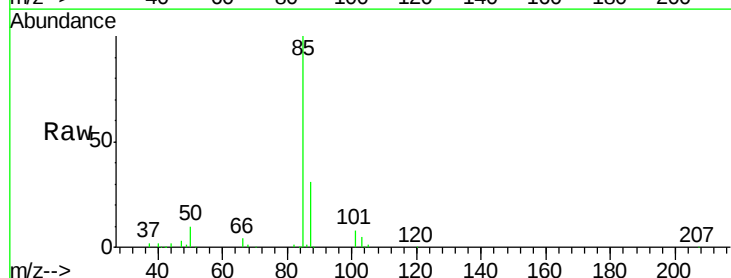
Acq: 07 Oct 2020 21:57

Tgt Ion: 85 Resp: 164617

Ion Ratio Lower Upper

85 100

87 31.1 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

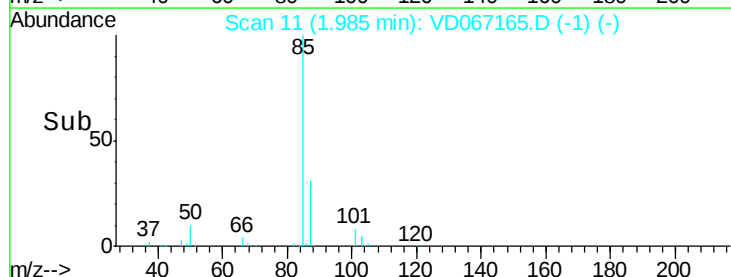
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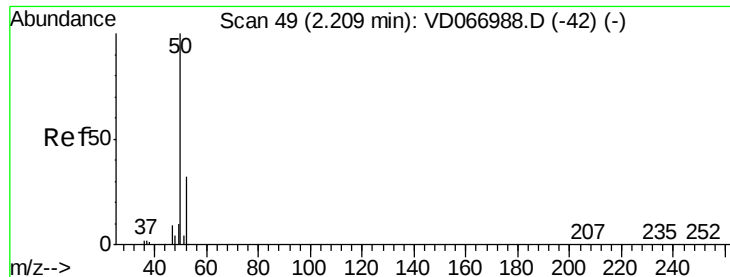
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 44.454 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 128190

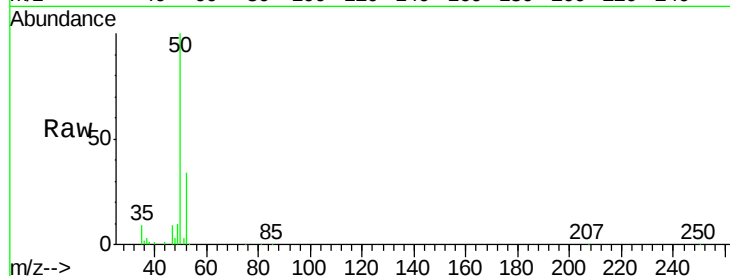
Ion Ratio Lower Upper

50 100

52 33.9 25.3 37.9

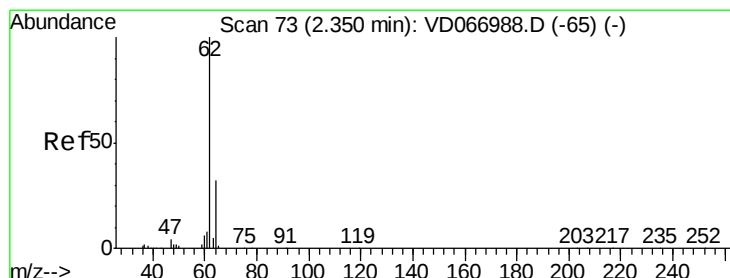
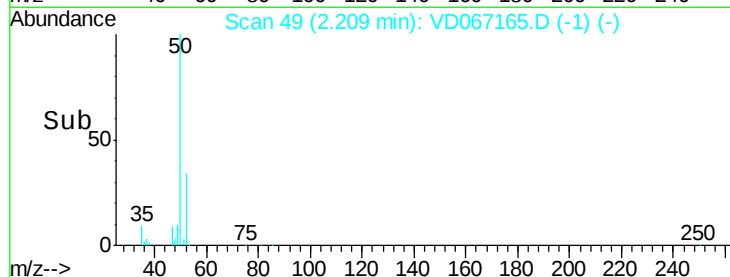
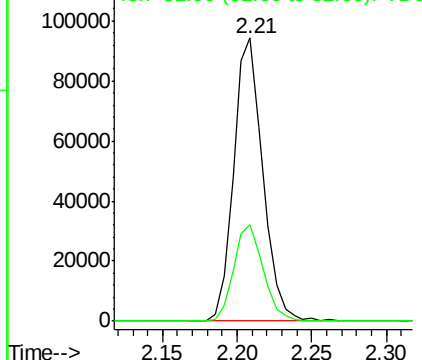
Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.183 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067165.D

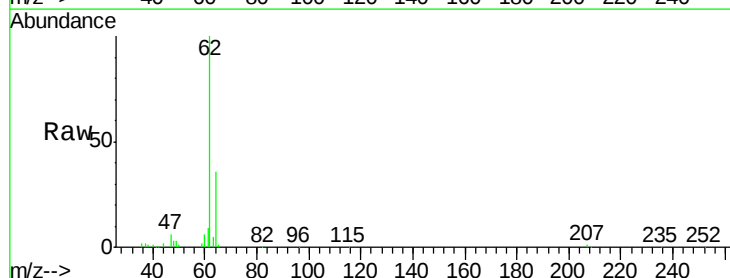
Acq: 07 Oct 2020 21:57

Tgt Ion: 62 Resp: 133537

Ion Ratio Lower Upper

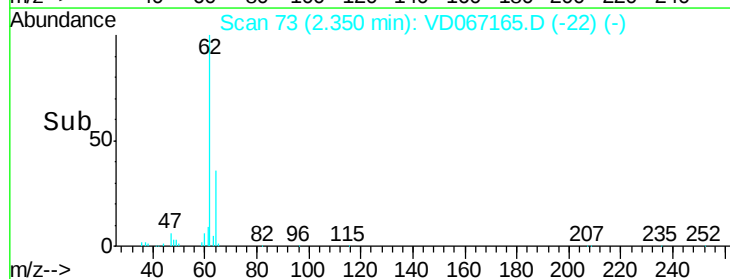
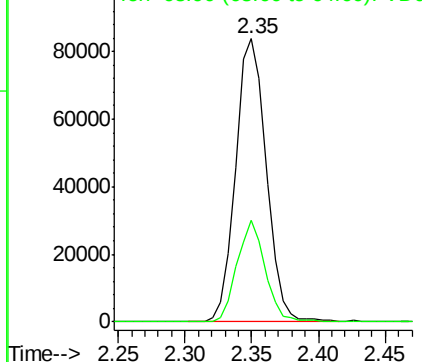
62 100

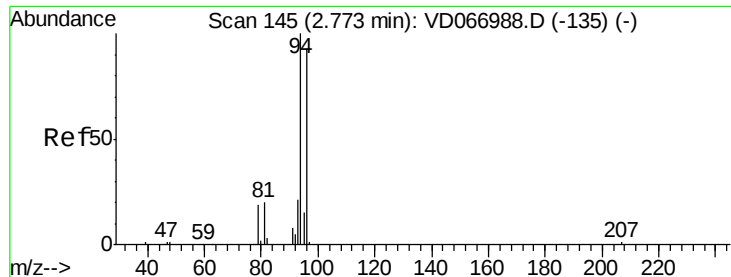
64 35.8 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 57.634 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

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Acq: 07 Oct 2020 21:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 106183

Ion Ratio Lower Upper

94 100

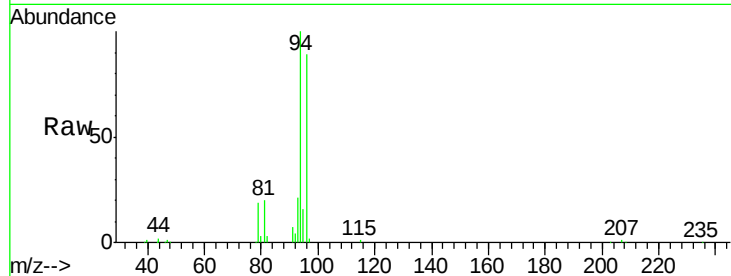
96 89.3 74.6 112.0

Manual Integrations

APPROVED

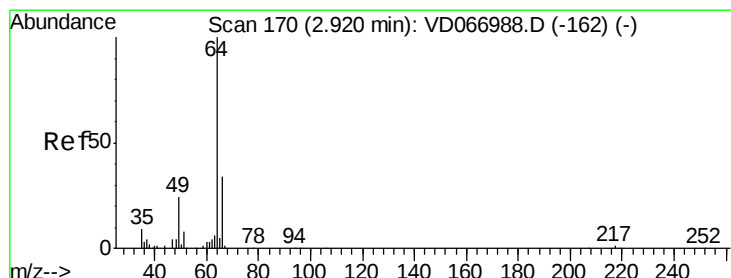
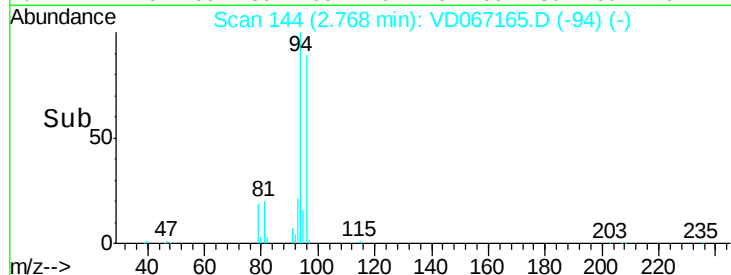
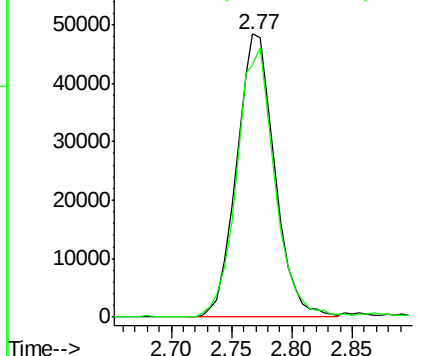
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.318 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067165.D

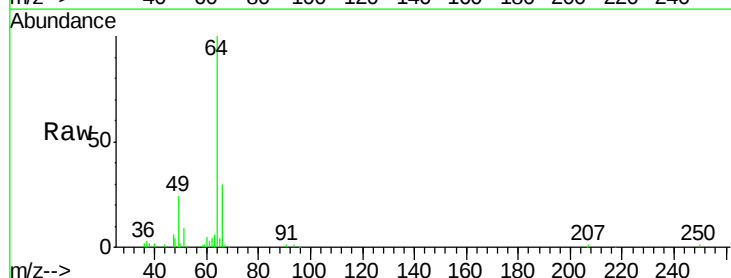
Acq: 07 Oct 2020 21:57

Tgt Ion: 64 Resp: 85082

Ion Ratio Lower Upper

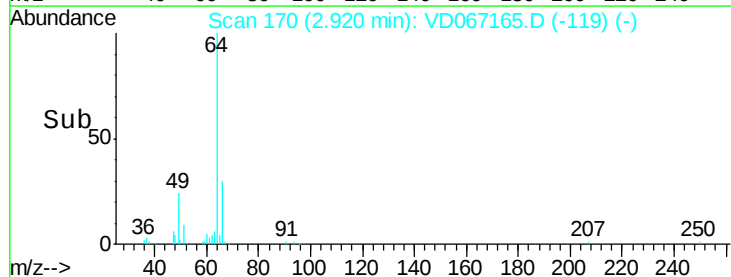
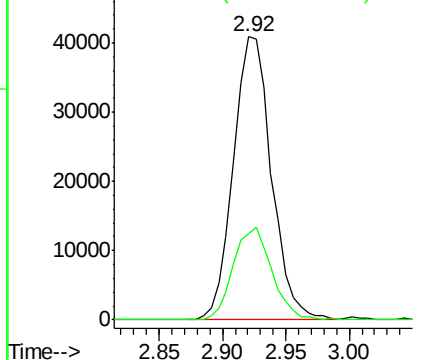
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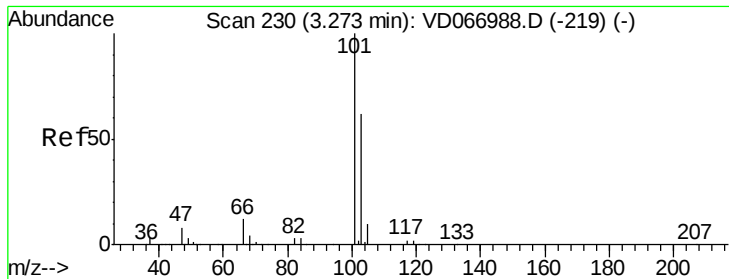
66 30.3 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

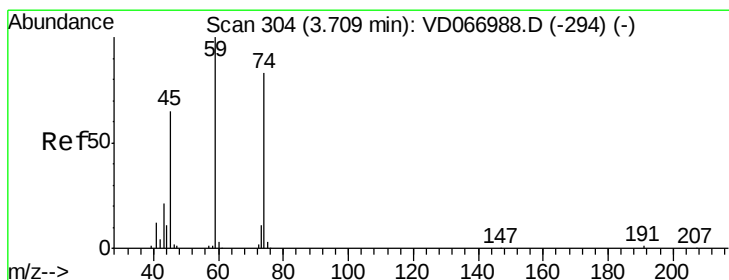
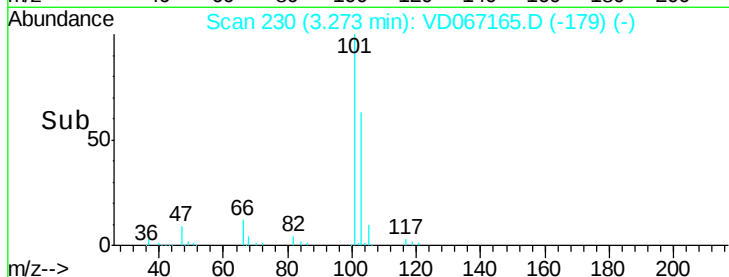
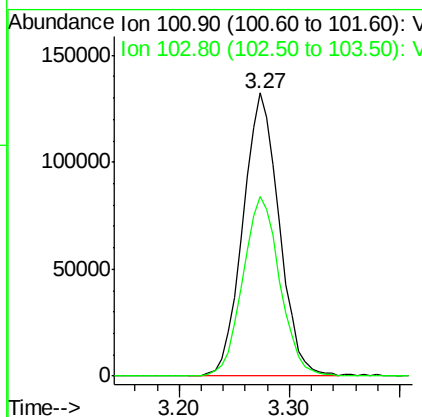
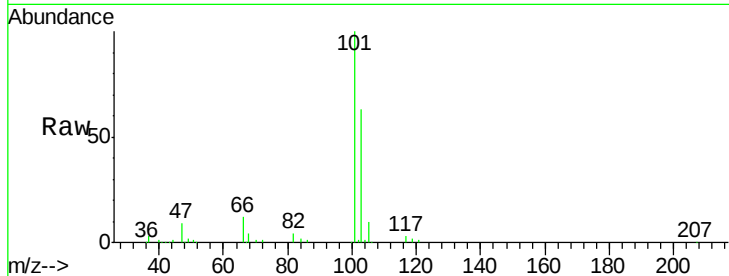
Trichlorofluoromethane
 Concen: 47.621 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067165.D
 Acq: 07 Oct 2020 21:57

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	49.8	74.8

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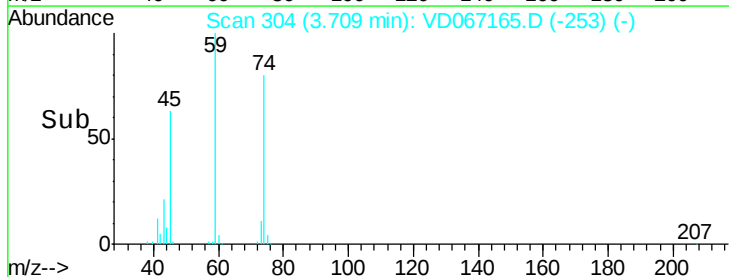
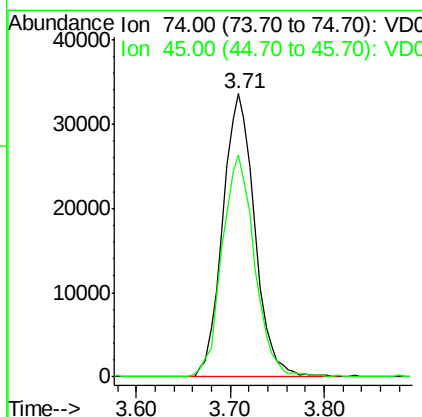
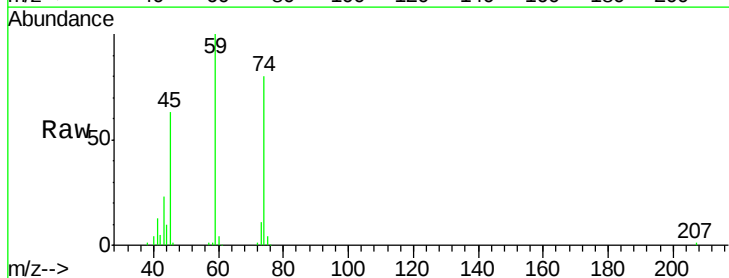
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 10/8/2020 5:39:35 PM

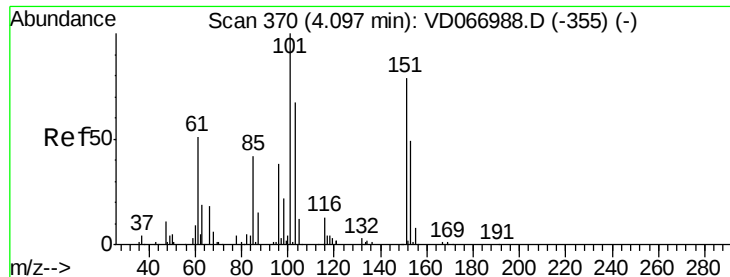


#8

Diethyl Ether
 Concen: 49.973 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD067165.D
 Acq: 07 Oct 2020 21:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	79.6	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.342 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067165.D

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Instrument :

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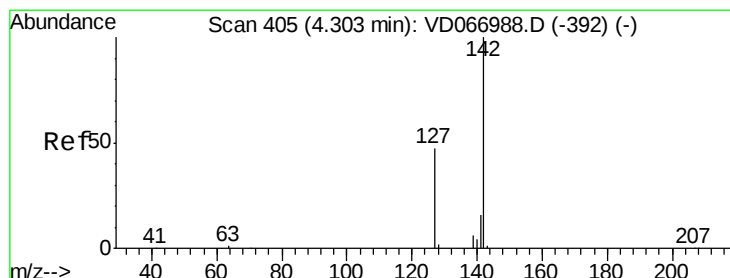
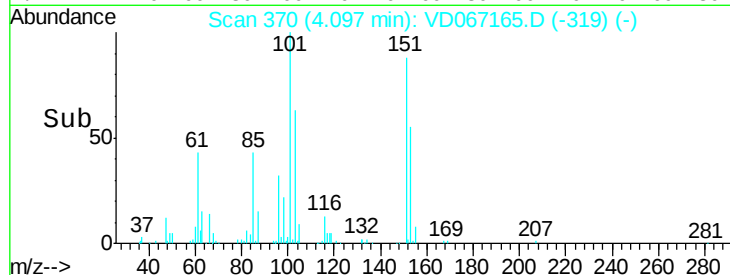
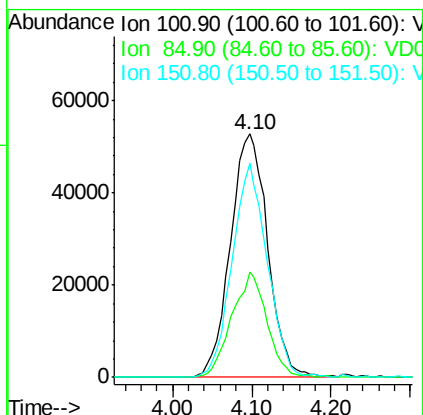
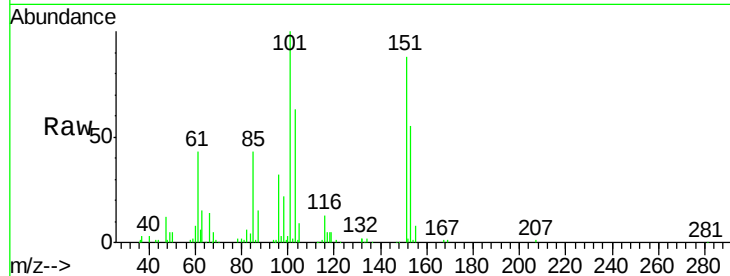
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	171897
Ion Ratio	Lower	Upper	
101	100		
85	40.7	33.8	50.8
151	82.4	63.8	95.8

Manual Integrations
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#10

Methyl Iodide

Concen: 56.031 ug/l

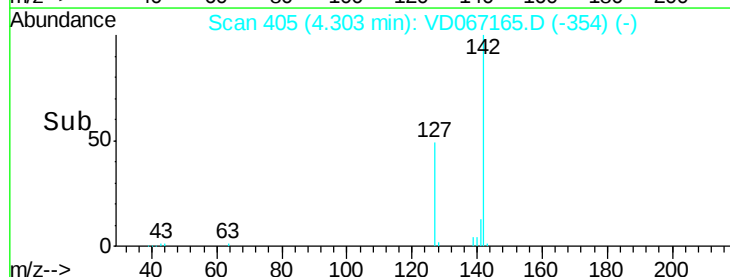
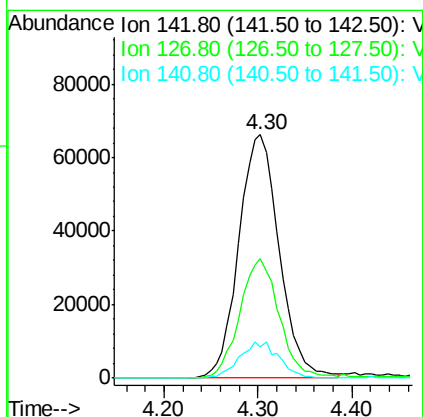
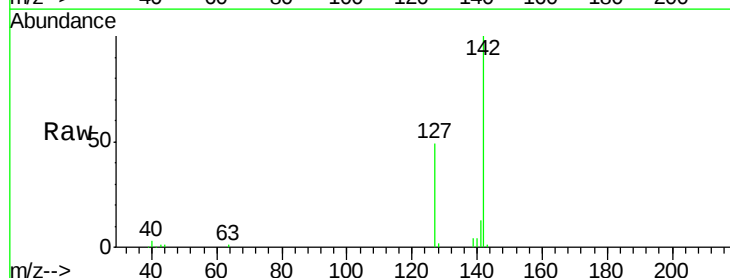
RT: 4.30 min Scan# 405

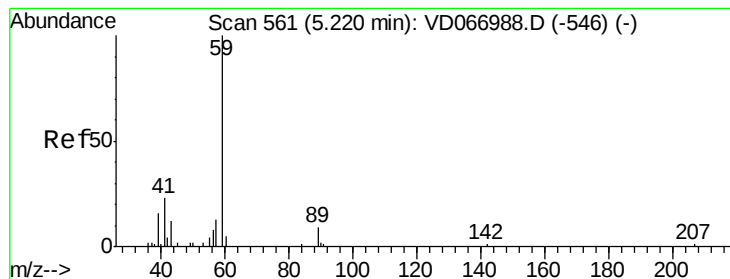
Delta R.T. 0.00 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Tgt Ion:	142	Resp:	197681
Ion Ratio	Lower	Upper	
142	100		
127	47.6	36.3	54.5
141	14.4	12.0	18.0





#11

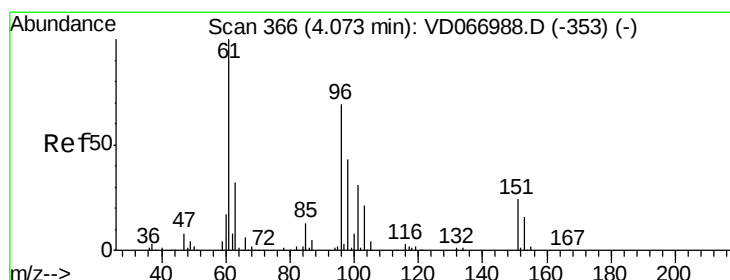
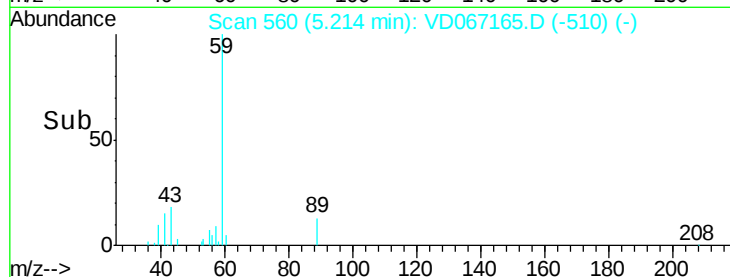
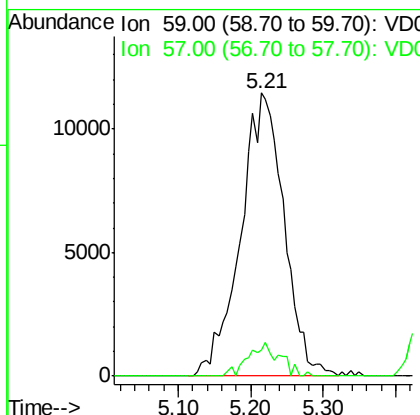
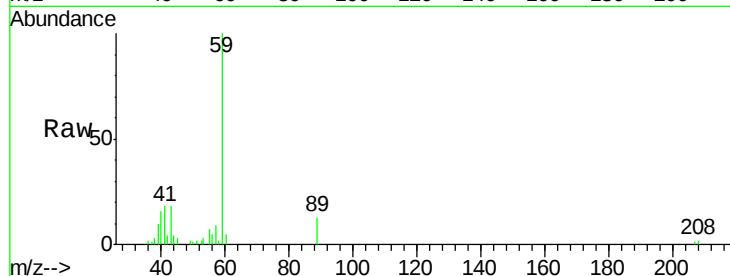
Tert butyl alcohol
Concen: 229.813 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 47776
Ion Ratio Lower Upper
59 100
57 6.2 8.2 12.4#

Manual Integrations
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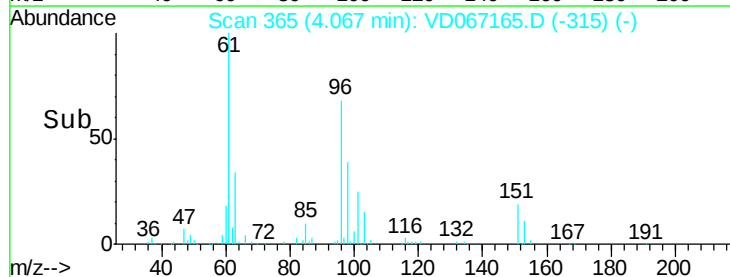
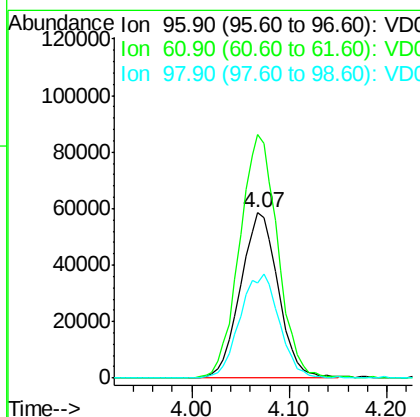
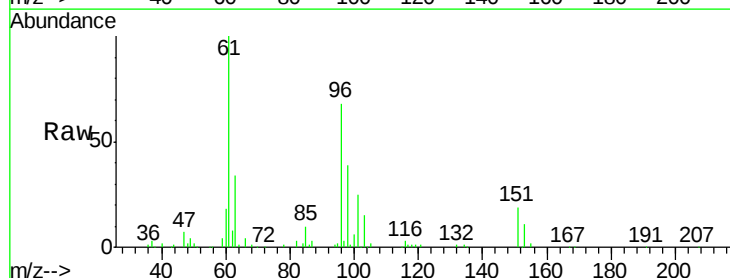
MMDadoda
10/8/2020 5:39:35 PM

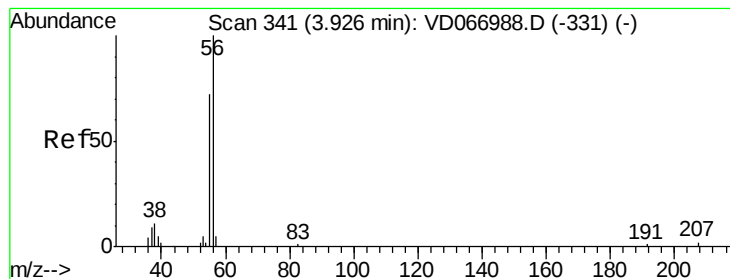


#12

1,1-Dichloroethene
Concen: 46.271 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Tgt Ion: 96 Resp: 157939
Ion Ratio Lower Upper
96 100
61 147.2 116.4 174.6
98 57.8 49.9 74.9





#13

Acrolein

Concen: 258.736 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 60424

Ion Ratio Lower Upper

56 100

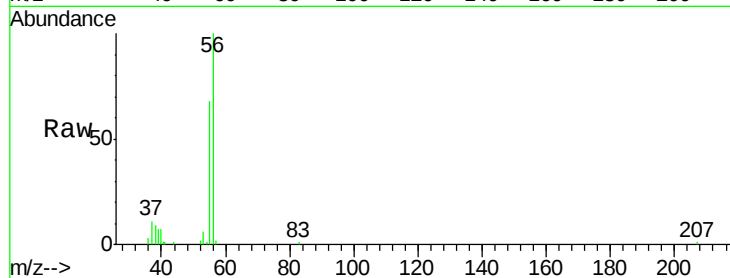
55 68.6 56.9 85.3

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

25000

20000

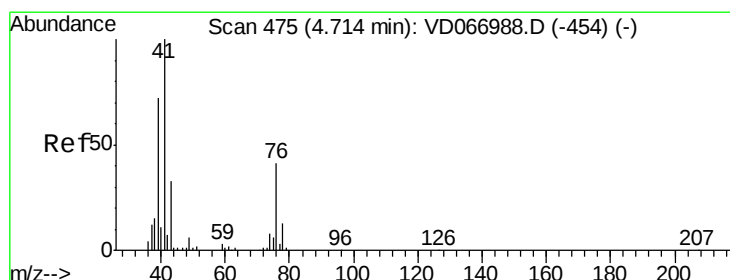
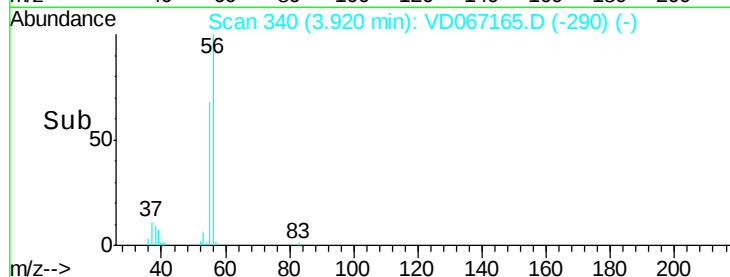
15000

10000

5000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 46.389 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

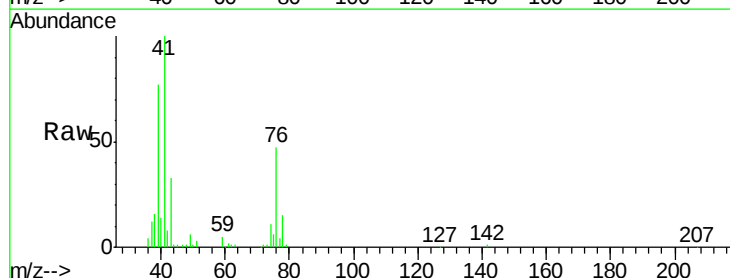
Tgt Ion: 41 Resp: 205701

Ion Ratio Lower Upper

41 100

39 75.9 56.2 84.2

76 46.4 34.2 51.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

80000

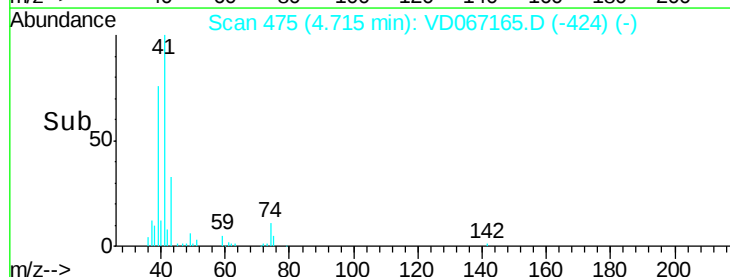
60000

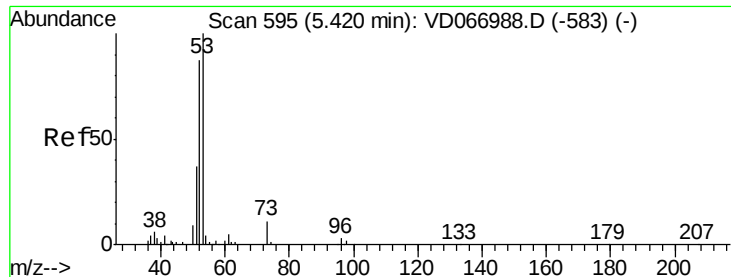
40000

20000

0

Time--> 4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 234.208 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Instrument :

MSVOA_D

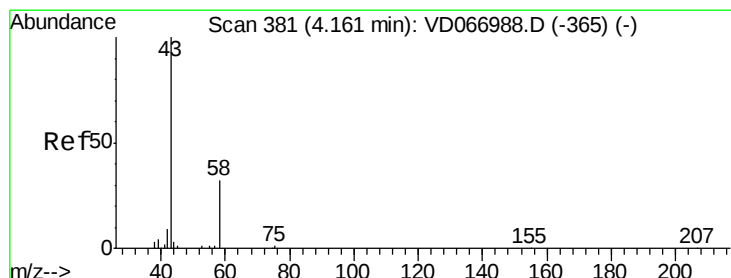
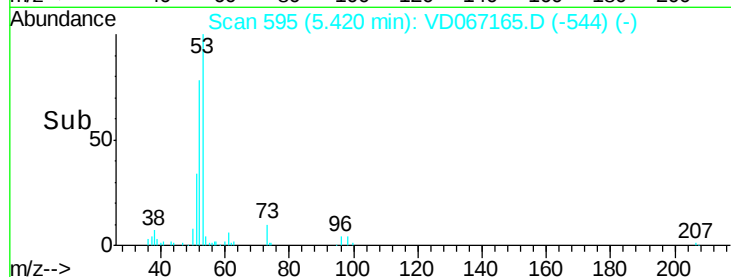
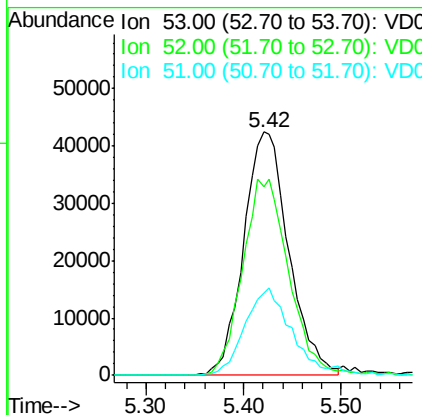
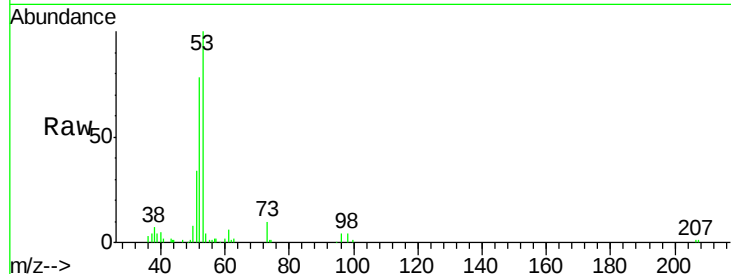
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	137318
Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.3	100.9
51	37.7	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 217.919 ug/l

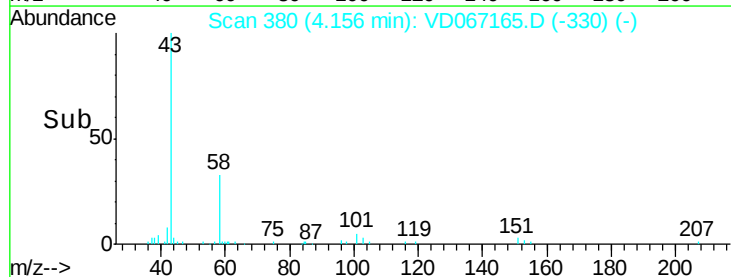
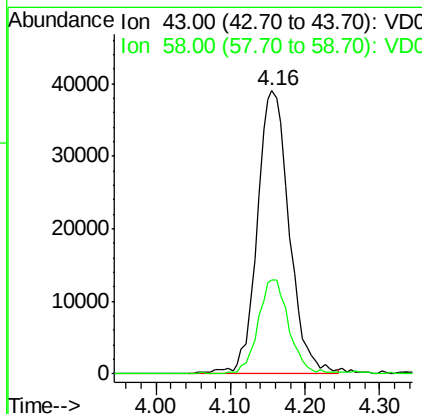
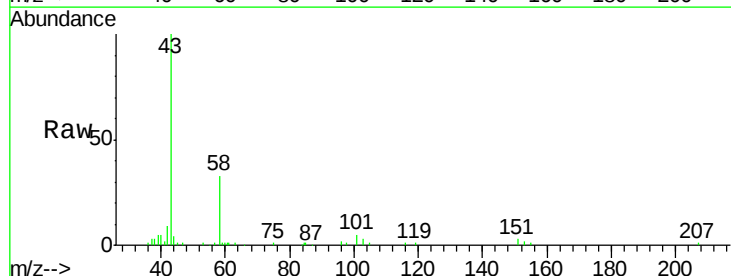
RT: 4.16 min Scan# 380

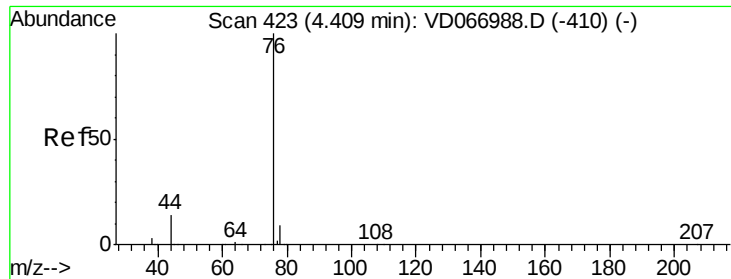
Delta R.T. -0.01 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Tgt Ion:	43	Resp:	116020
Ion	Ratio	Lower	Upper
43	100		
58	33.1	25.9	38.9





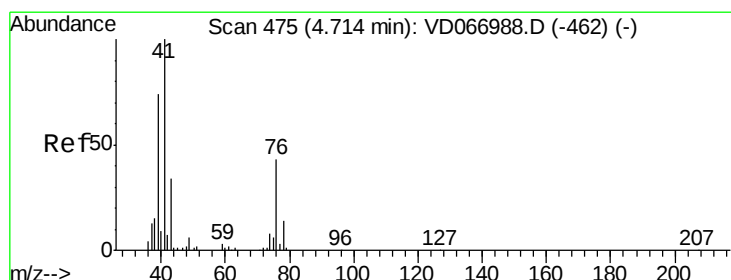
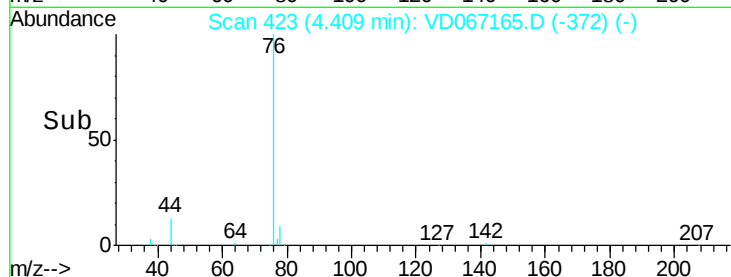
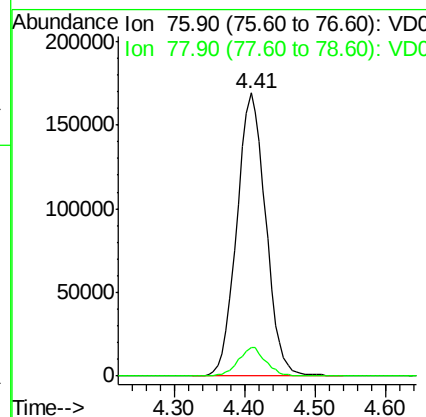
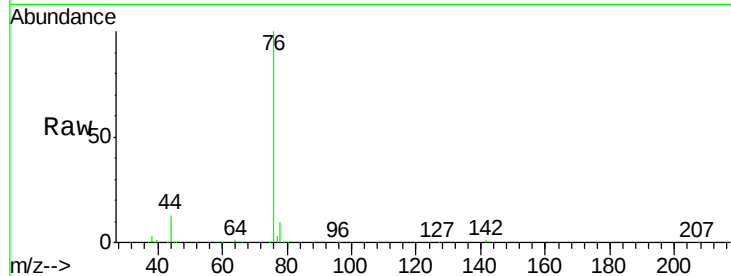
#17
Carbon Disulfide
Concen: 45.945 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.5	11.3

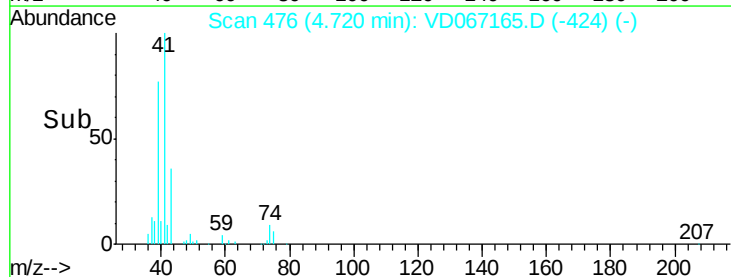
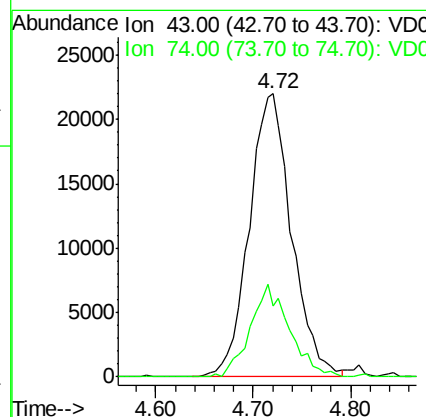
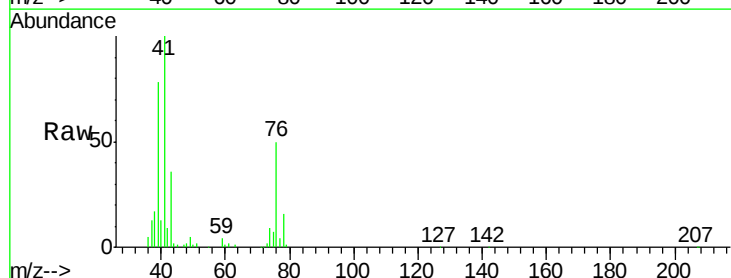
Manual Integrations
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10/8/2020 5:39:35 PM



#18
Methyl Acetate
Concen: 49.903 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	30.1	21.5	32.3





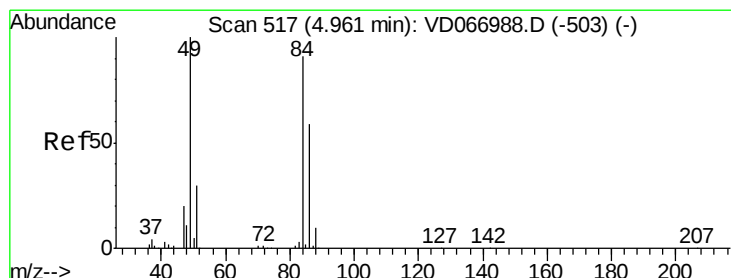
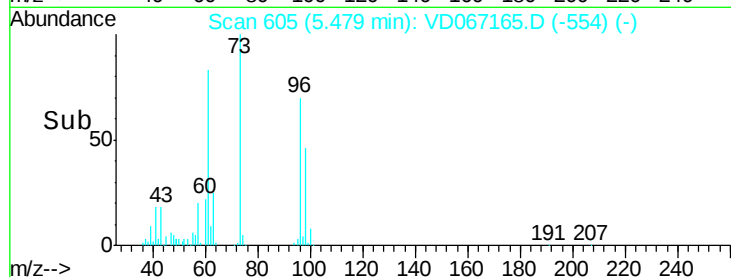
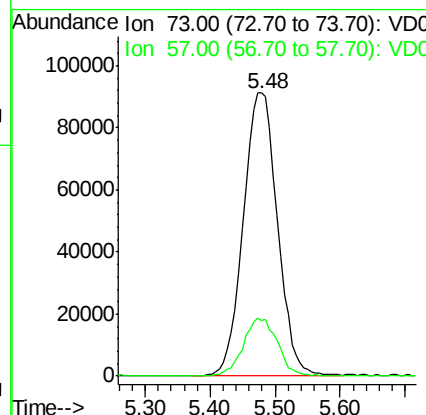
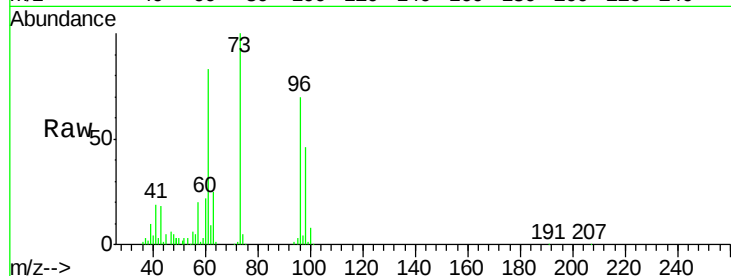
#19
Methvl tert-butvl Ether
Concen: 53.399 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 332737
Ion Ratio Lower Upper
73 100
57 19.5 17.4 26.0

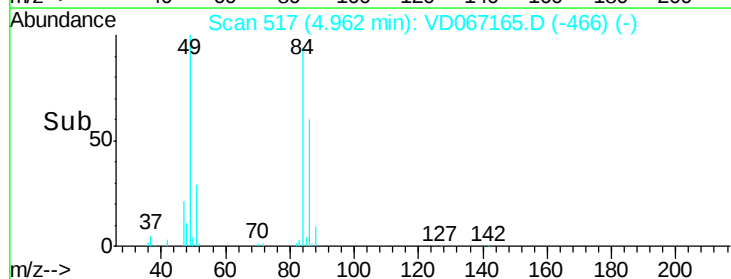
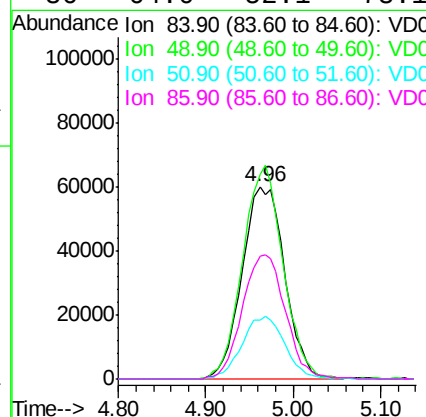
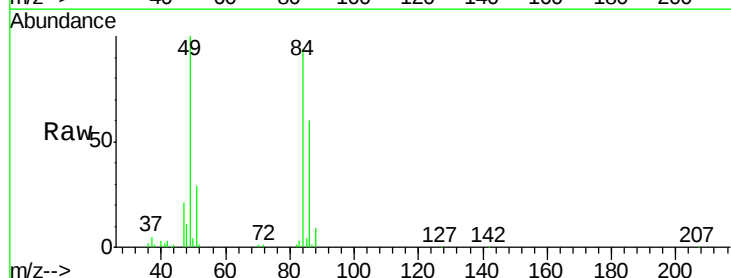
Manual Integrations
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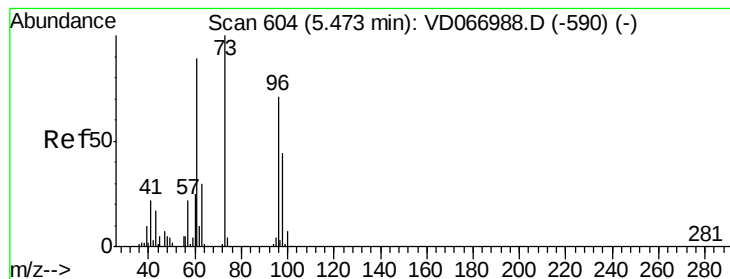
MMDadoda
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#20
Methylene Chloride
Concen: 53.283 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Tgt Ion: 84 Resp: 199501
Ion Ratio Lower Upper
84 100
49 106.7 88.2 132.2
51 31.0 26.6 39.8
86 64.0 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 50.009 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Instrument :

MSVOA_D

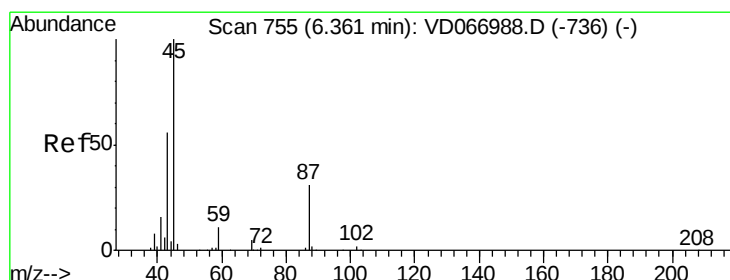
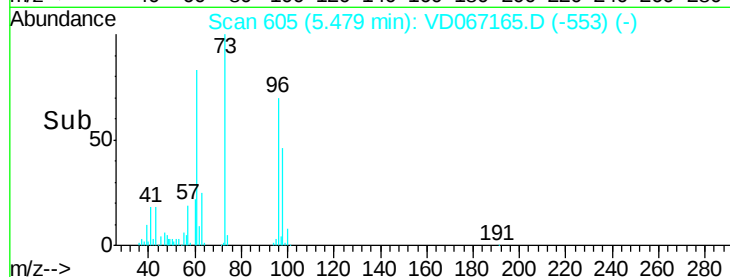
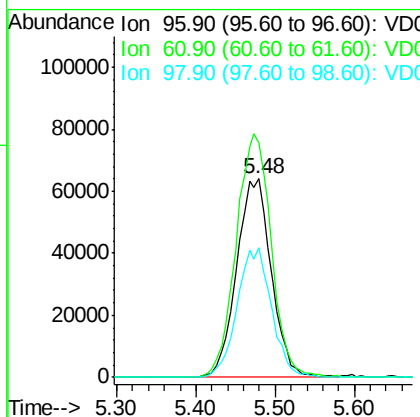
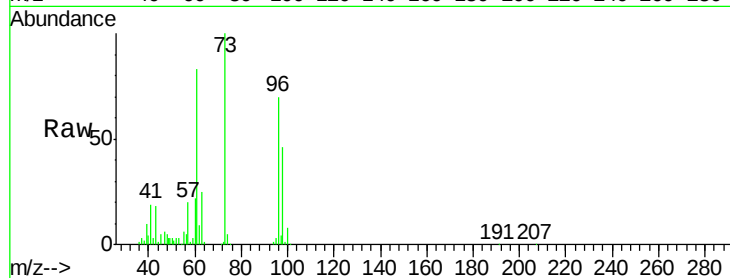
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	194263
Ion	Ratio	Lower	Upper
96	100		
61	118.1	99.6	149.4
98	65.4	49.4	74.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.004 ug/l

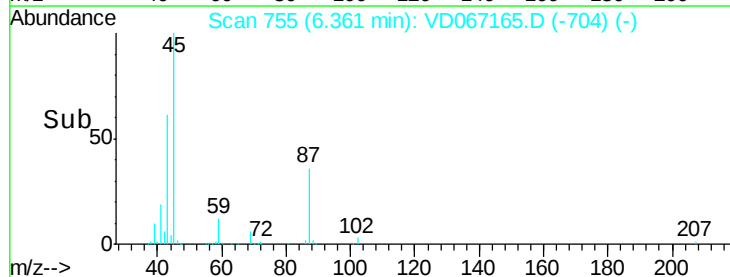
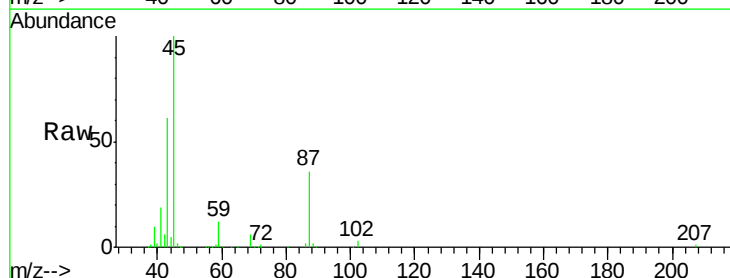
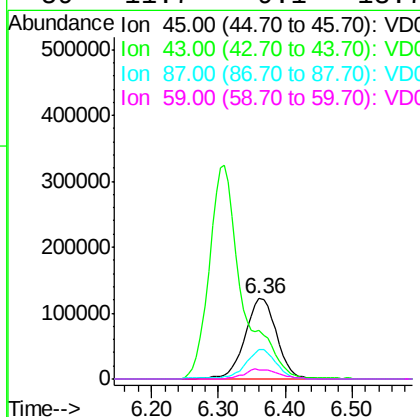
RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Tgt Ion:	45	Resp:	396713
Ion	Ratio	Lower	Upper
45	100		
43	60.4	45.2	67.8
87	36.3	25.6	38.4
59	11.7	9.1	13.7





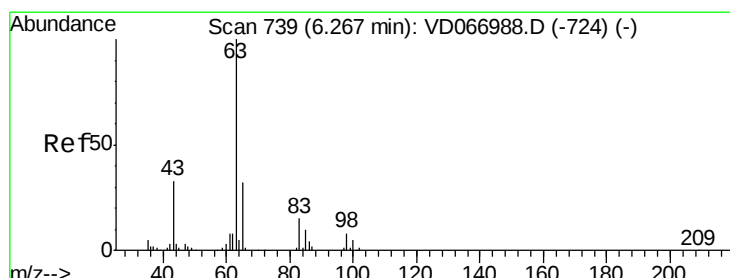
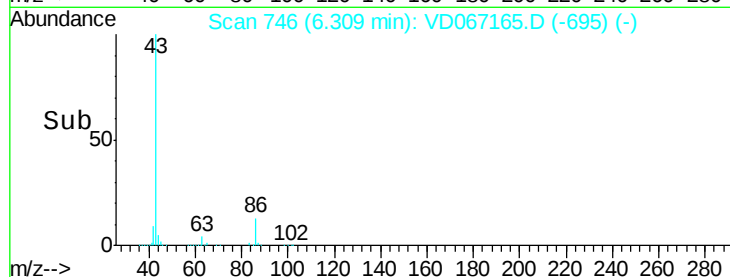
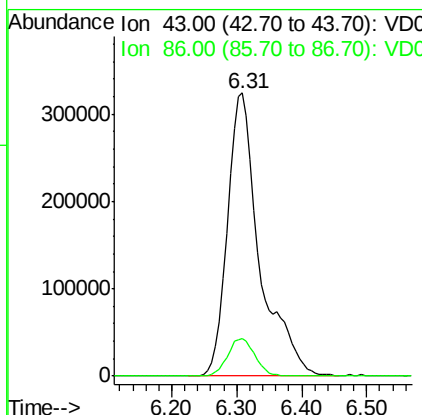
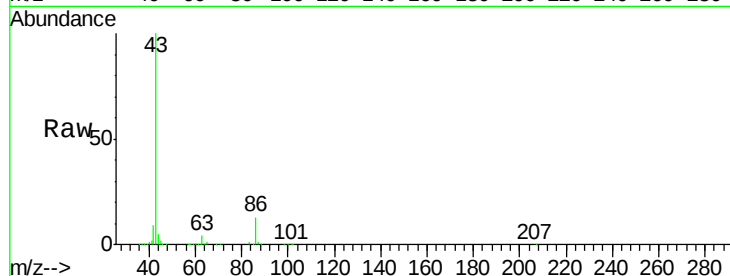
#23
 Vinyl Acetate
 Concen: 242.474 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VD067165.D
 Acq: 07 Oct 2020 21:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1112322
 Ion Ratio Lower Upper
 43 100
 86 13.3 10.2 15.2

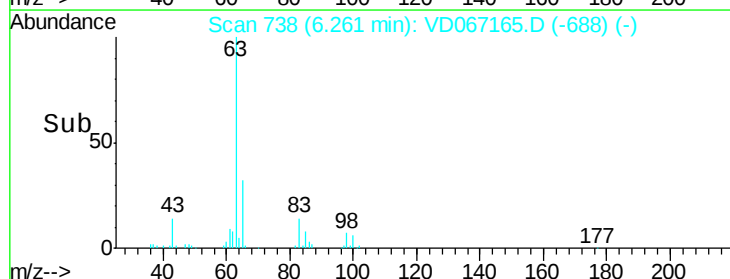
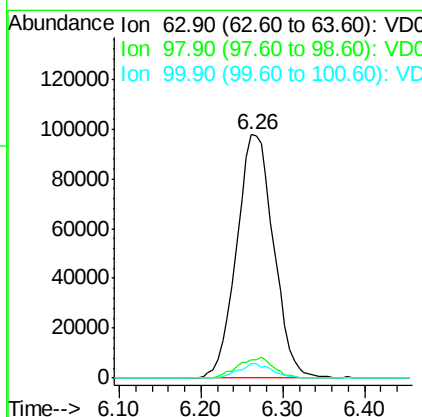
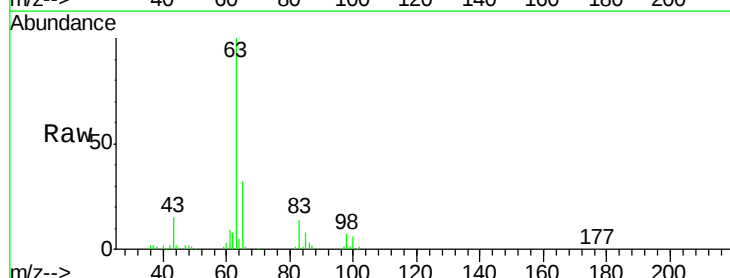
Manual Integrations
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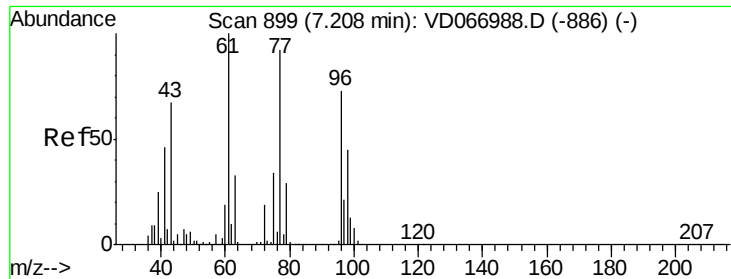
MMDadoda
 10/8/2020 5:39:35 PM



#24
 1,1-Dichloroethane
 Concen: 49.390 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD067165.D
 Acq: 07 Oct 2020 21:57

Tgt Ion: 63 Resp: 308573
 Ion Ratio Lower Upper
 63 100
 98 7.5 4.2 12.6
 100 5.8 2.6 7.8





#25

2-Butanone

Concen: 227.413 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 171656

Ion Ratio Lower Upper

43 100

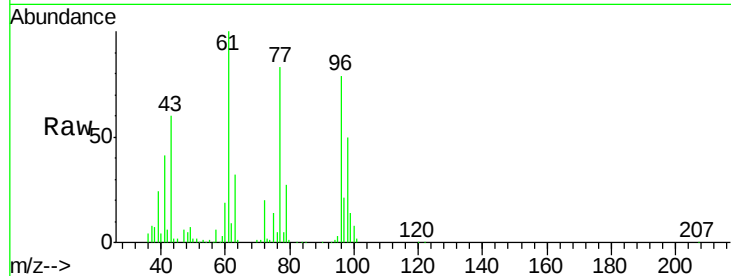
72 33.3 22.8 34.2

Manual Integrations

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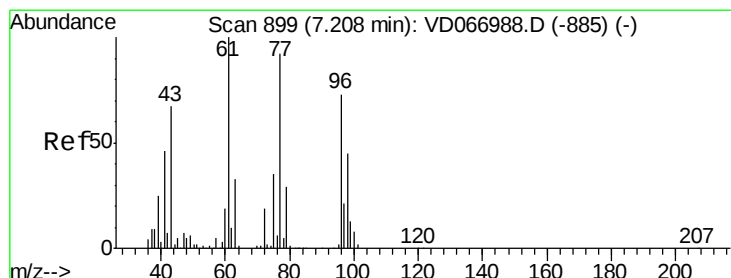
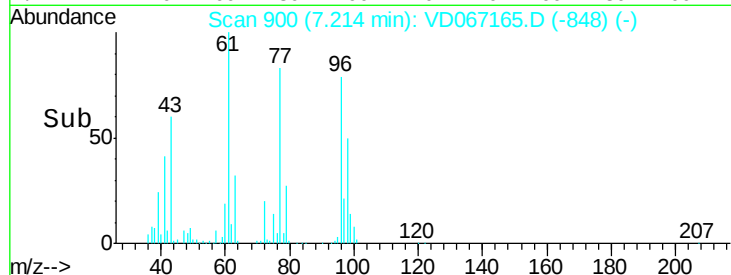
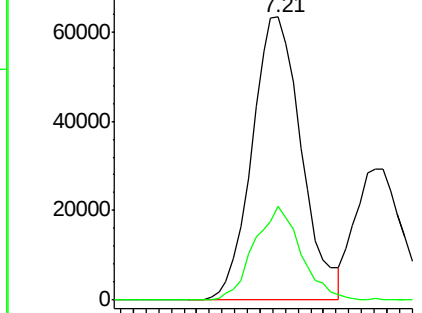
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 50.168 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067165.D

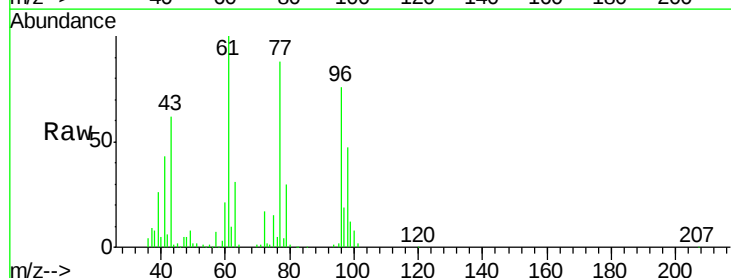
Acq: 07 Oct 2020 21:57

Tgt Ion: 77 Resp: 267941

Ion Ratio Lower Upper

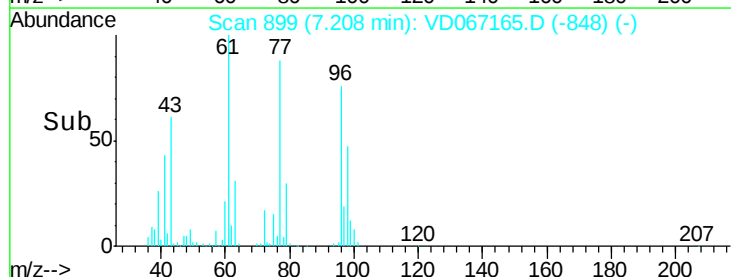
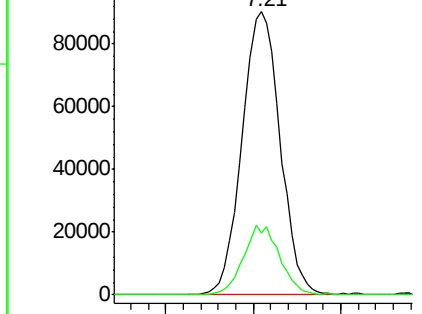
77 100

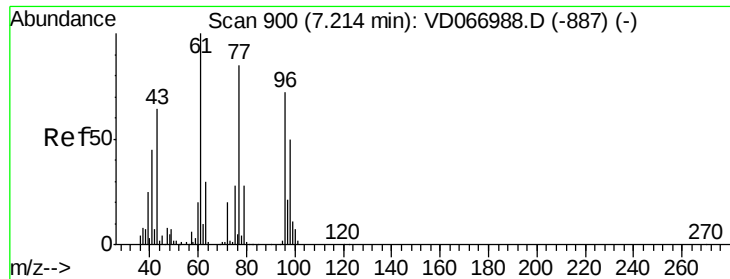
97 23.3 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 52.706 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Instrument :

MSVOA_D

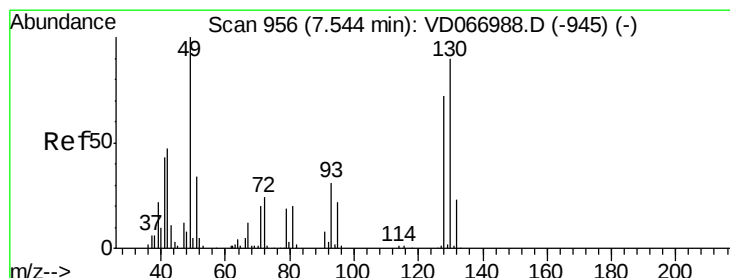
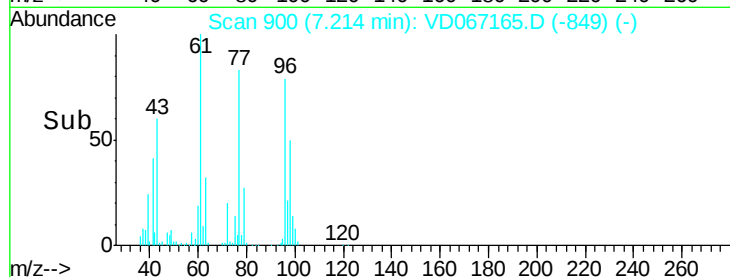
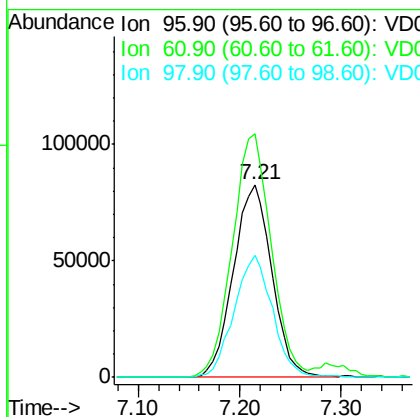
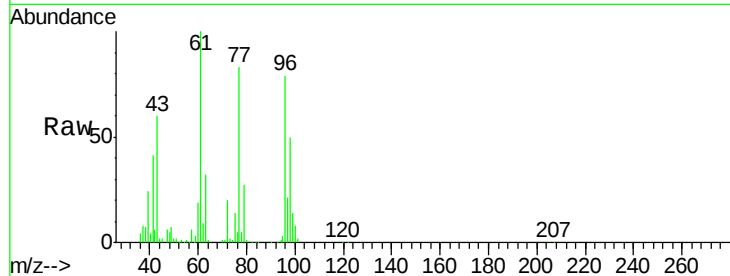
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	218664
Ion	Ratio	Lower	Upper
96	100		
61	127.6	0.0	269.2
98	63.3	0.0	129.4

Manual Integrations
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#28

Bromochloromethane

Concen: 46.962 ug/l

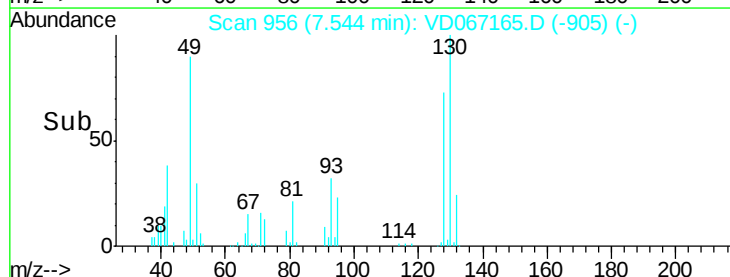
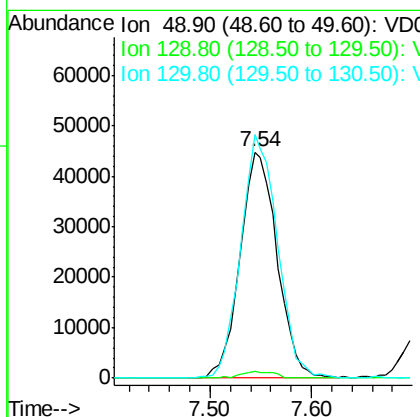
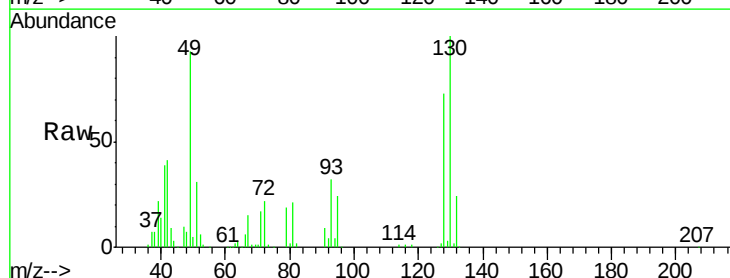
RT: 7.54 min Scan# 956

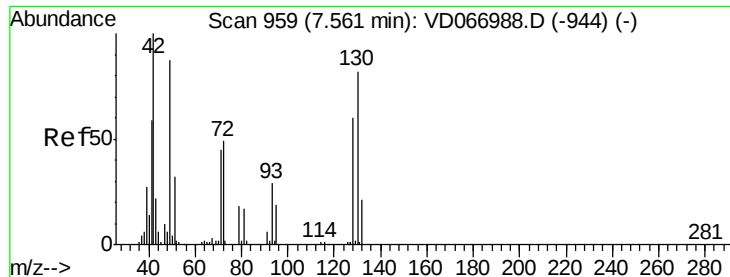
Delta R.T. 0.00 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Tgt Ion:	49	Resp:	113309
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.6
130	106.9	74.1	111.1





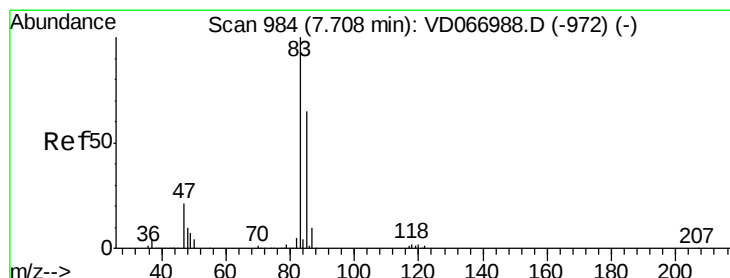
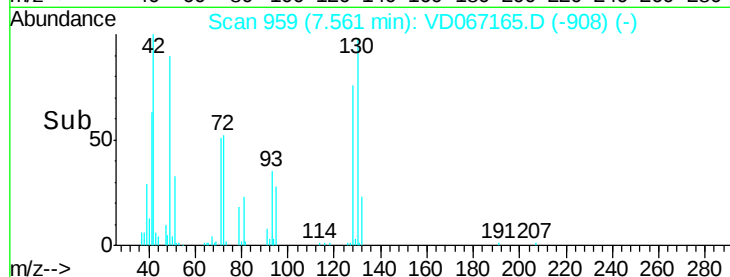
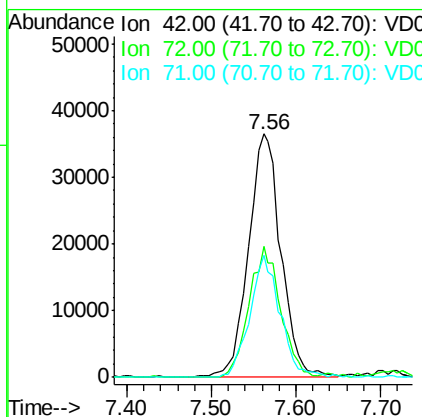
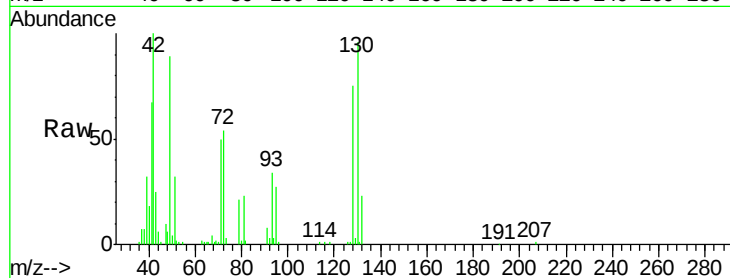
#29
Tetrahydrofuran
Concen: 225.384 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.1	39.1	58.7
71	47.0	34.2	51.4

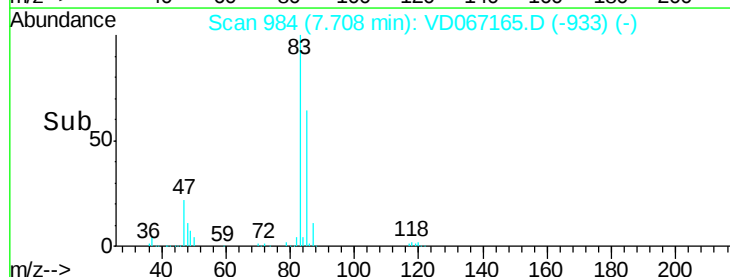
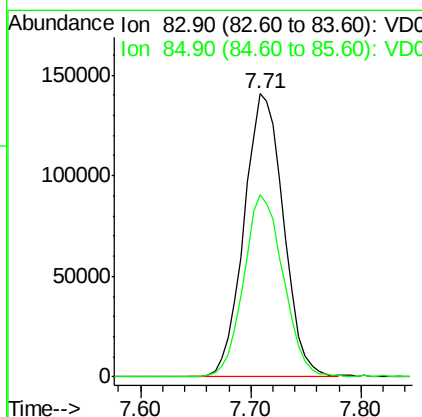
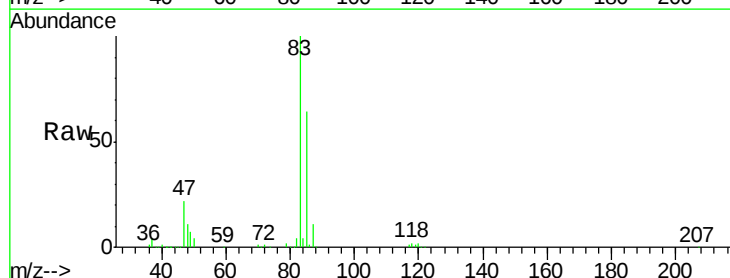
Manual Integrations
APPROVED

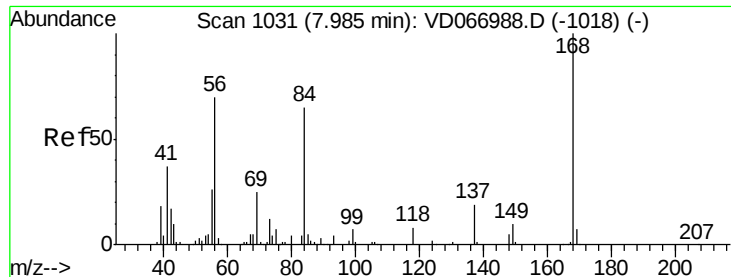
MMDadoda
10/8/2020 5:39:35 PM



#30
Chloroform
Concen: 52.023 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.3	78.5





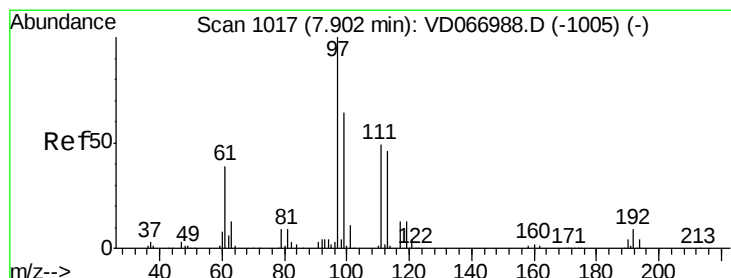
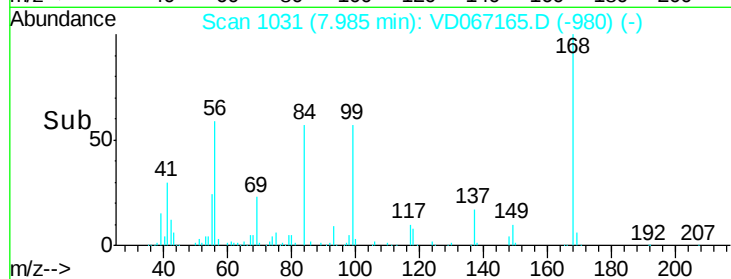
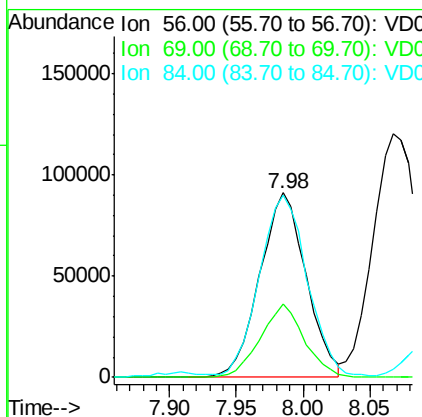
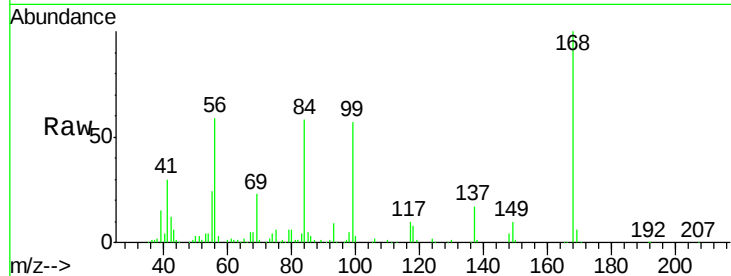
#31
Cyclohexane
Concen: 42.054 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.8	29.0	43.6
84	96.8	74.2	111.2

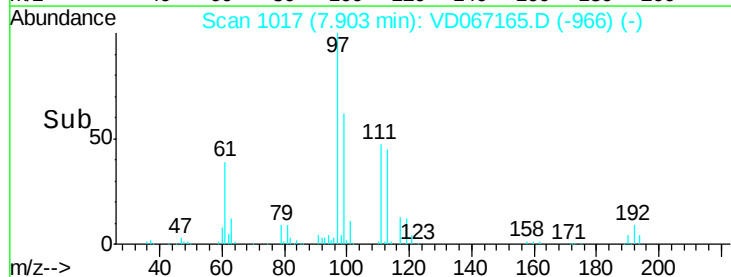
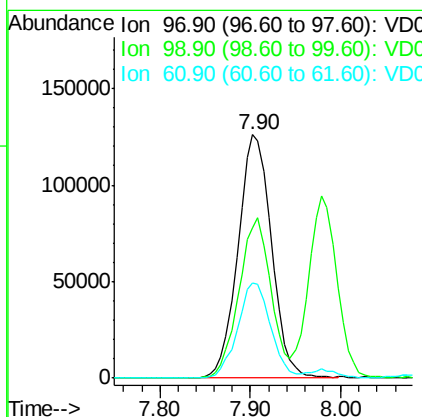
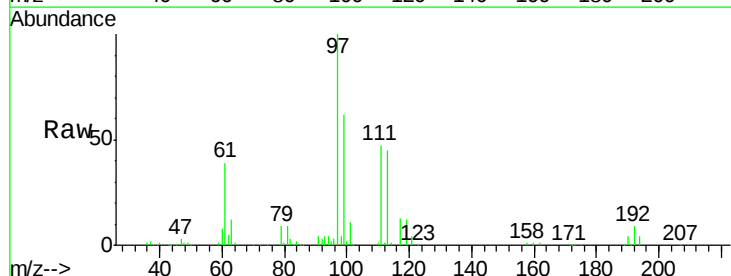
Manual Integrations
APPROVED

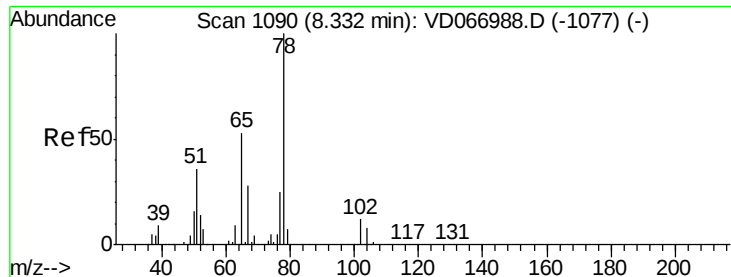
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 51.583 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	52.6	78.8
61	38.7	32.8	49.2





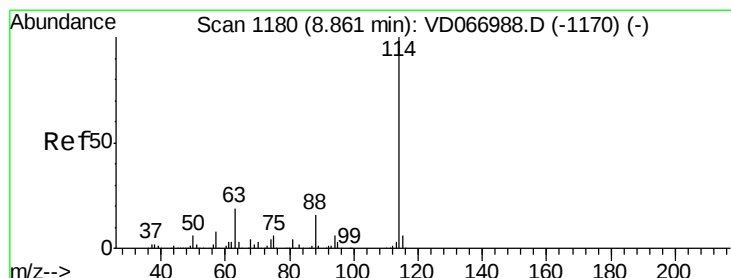
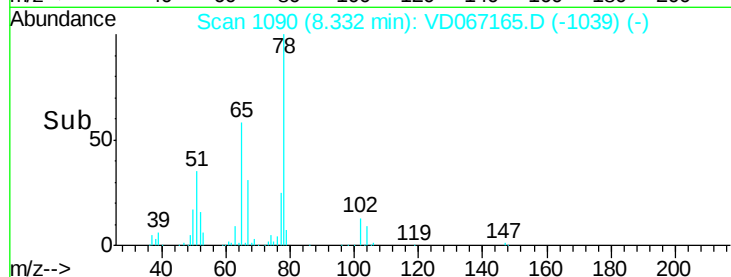
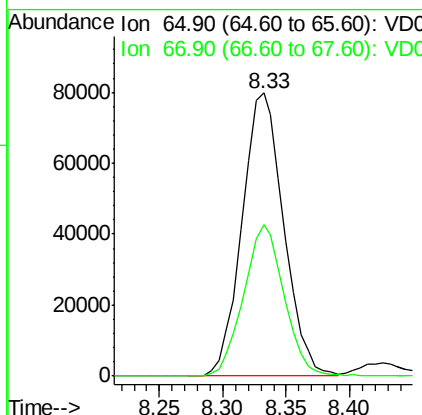
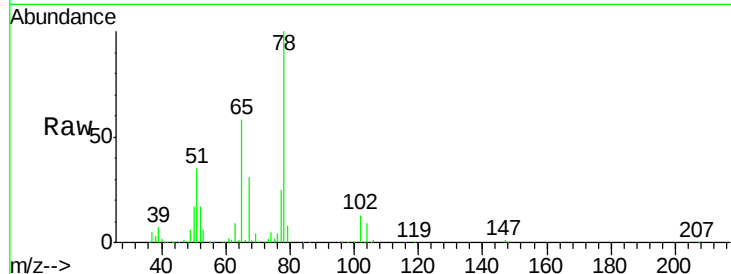
#33
 1,2-Dichloroethane-d4
 Concen: 52.145 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067165.D
 Acq: 07 Oct 2020 21:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	181867		
67	52.0	0.0	106.8	

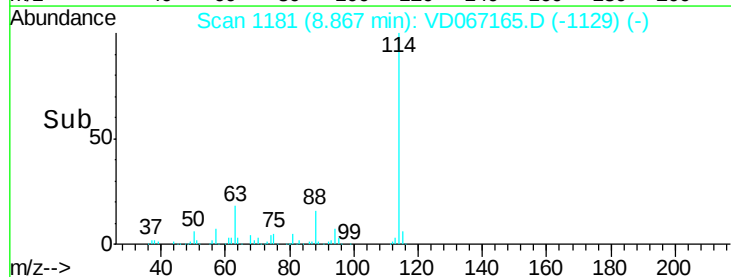
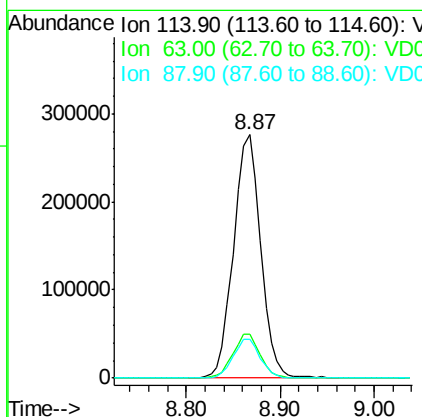
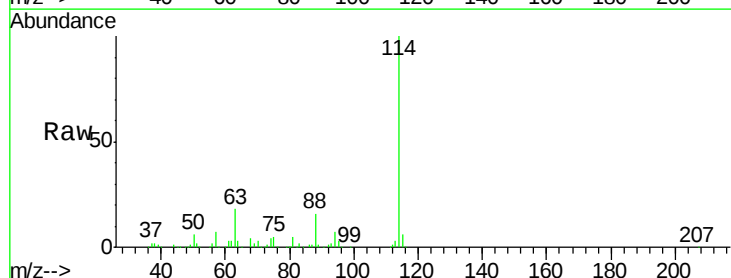
Manual Integrations
 APPROVED

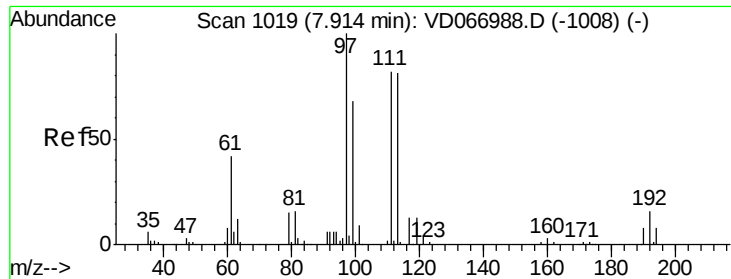
MMDadoda
 10/8/2020 5:39:35 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067165.D
 Acq: 07 Oct 2020 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	556121		
63	18.2	0.0	38.4	
88	15.9	0.0	31.2	





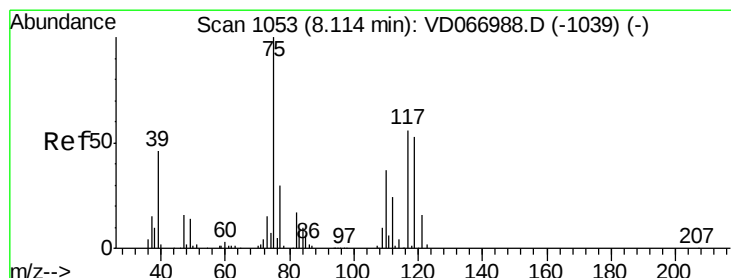
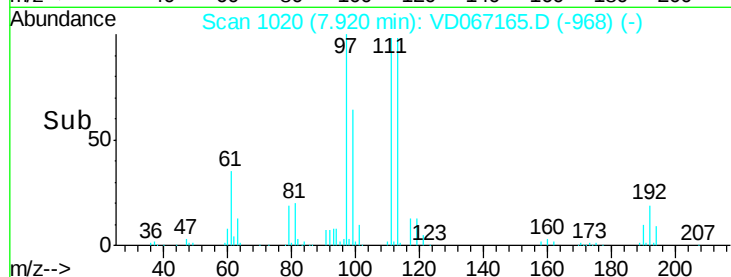
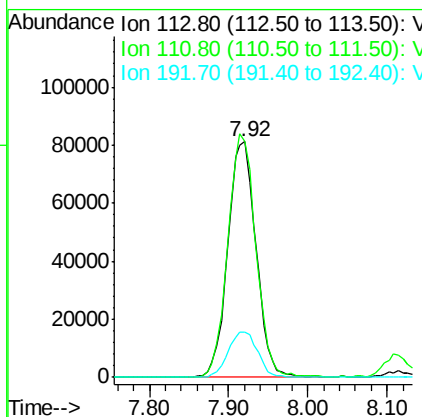
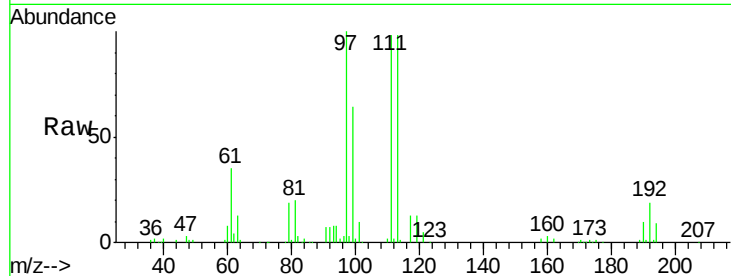
#35
 Dibromofluoromethane
 Concen: 55.044 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067165.D
 Acq: 07 Oct 2020 21:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	200406		
111	102.7		83.0	124.4
192	20.0		15.5	23.3

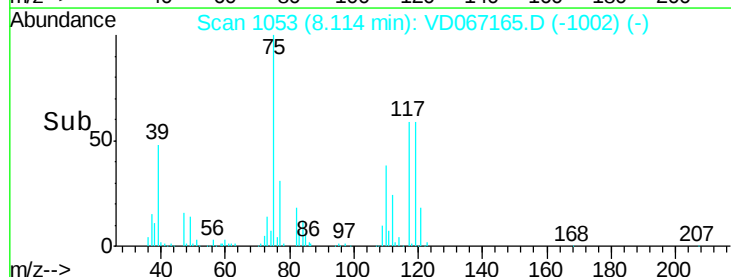
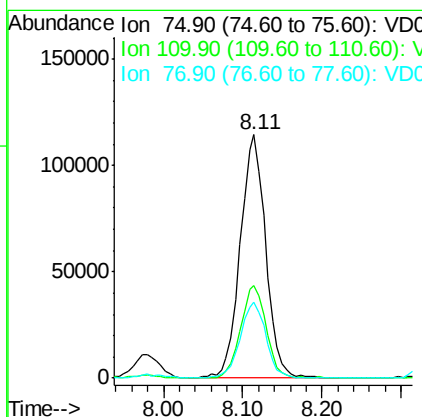
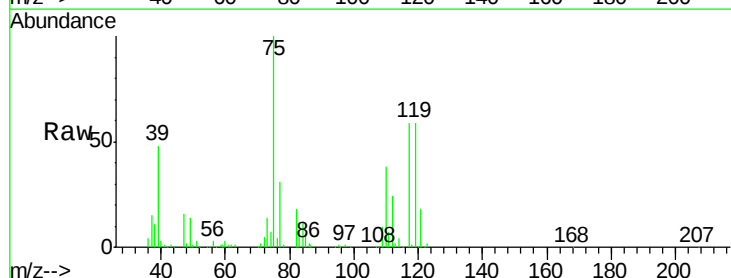
Manual Integrations
 APPROVED

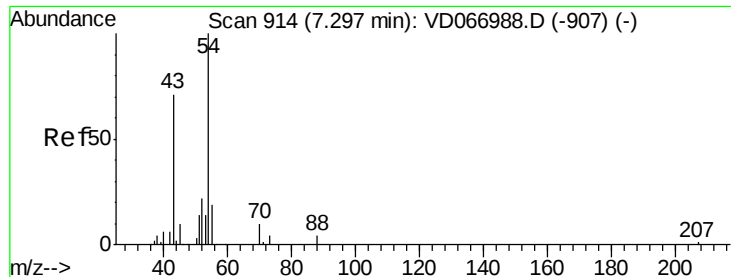
MMDadoda
 10/8/2020 5:39:35 PM



#36
 1,1-Dichloropropene
 Concen: 48.964 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067165.D
 Acq: 07 Oct 2020 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	253811		
110	38.1		18.4	55.0
77	31.7		24.8	37.2





#37

Ethyl Acetate

Concen: 43.795 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Instrument :

MSVOA_D

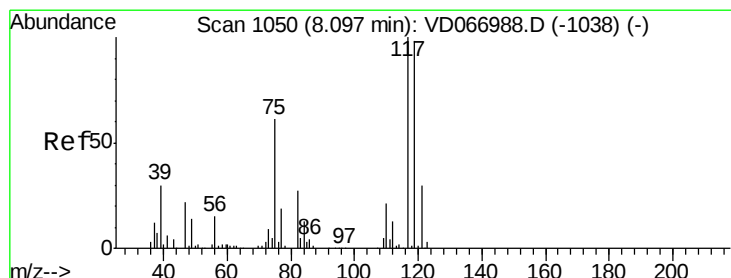
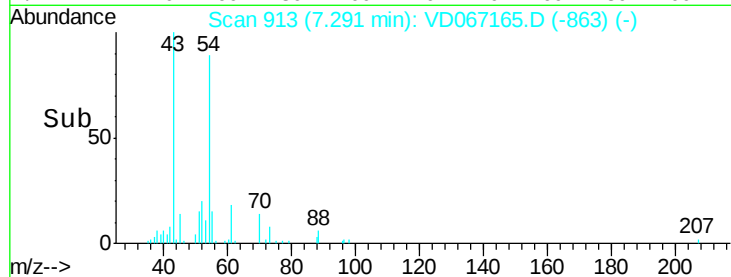
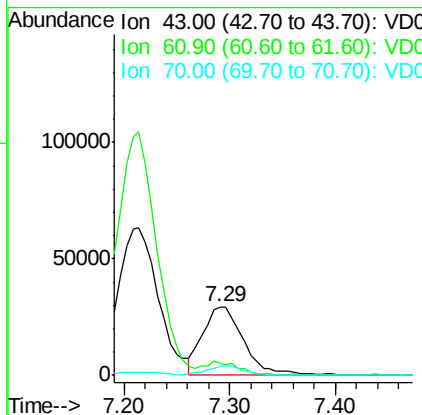
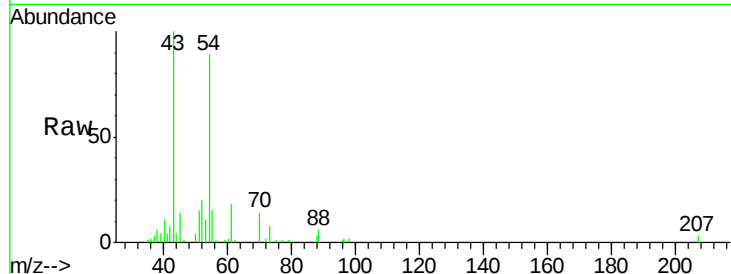
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	78645
Ion	Ratio	Lower	Upper
43	100		
61	15.8	12.5	18.7
70	13.1	9.4	14.0

Manual Integrations
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10/8/2020 5:39:35 PM



#38

Carbon Tetrachloride

Concen: 53.359 ug/l

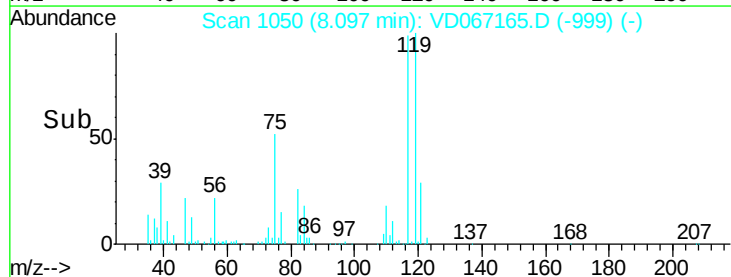
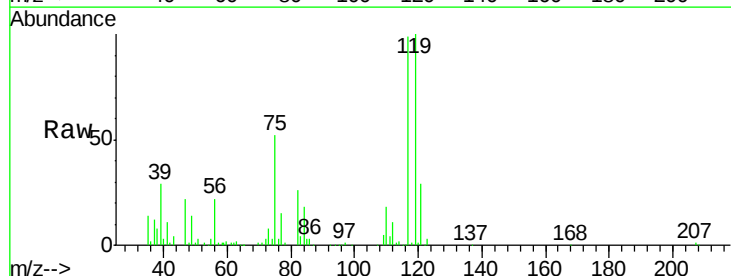
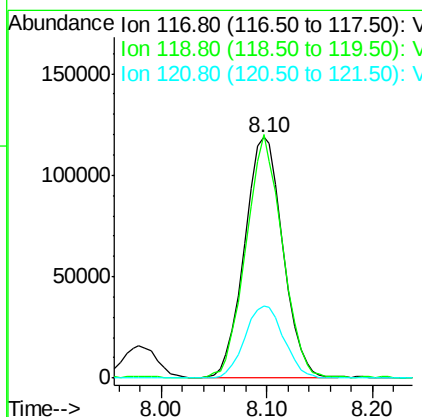
RT: 8.10 min Scan# 1050

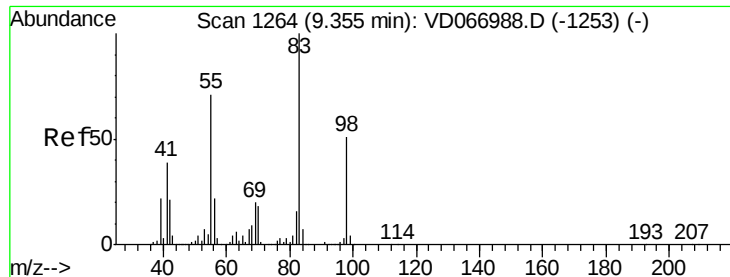
Delta R.T. 0.00 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Tgt Ion:	117	Resp:	299269
Ion	Ratio	Lower	Upper
117	100		
119	101.2	78.7	118.1
121	29.8	24.2	36.2





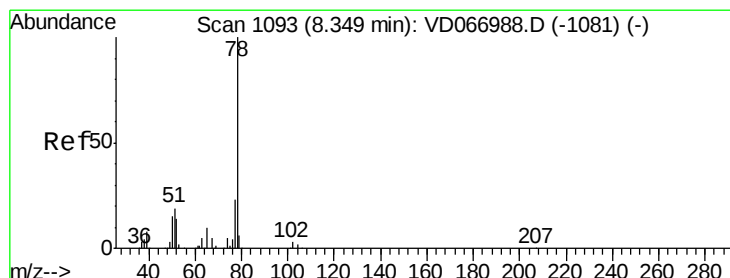
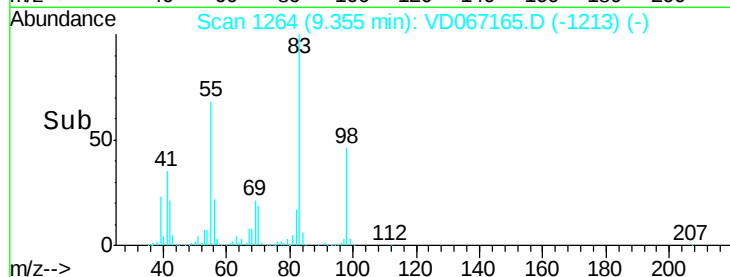
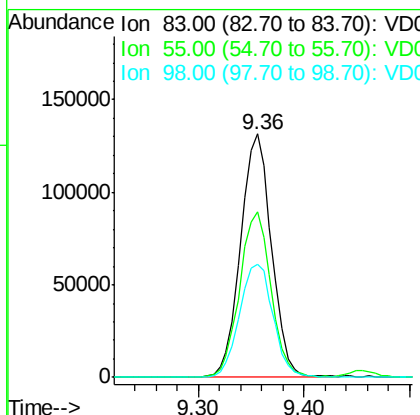
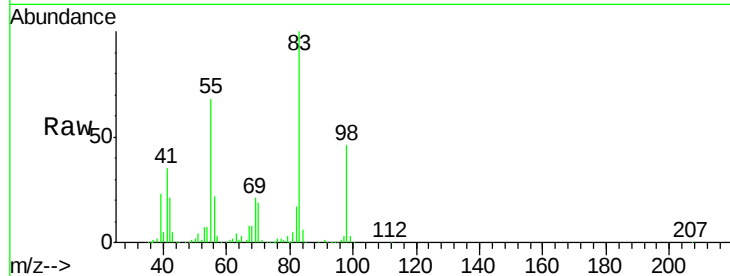
#39
Methylvlcyclohexane
Concen: 48.791 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.9	57.1	85.7
98	46.3	40.9	61.3

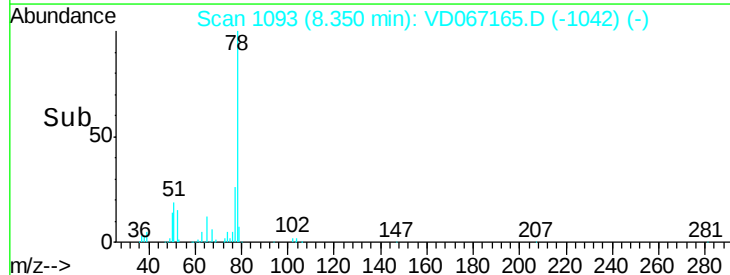
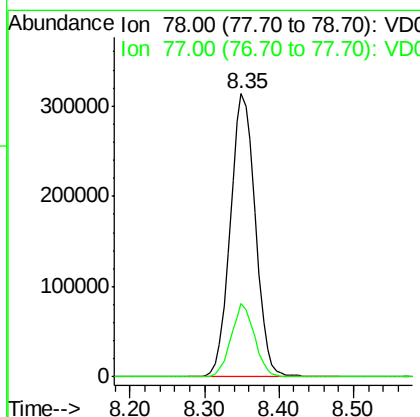
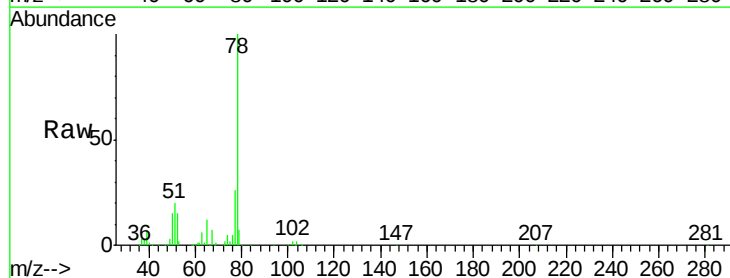
Manual Integrations
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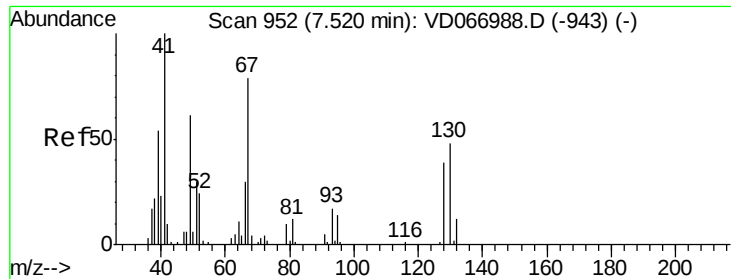
MMDadoda
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#40
Benzene
Concen: 50.813 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.9	18.4	27.6





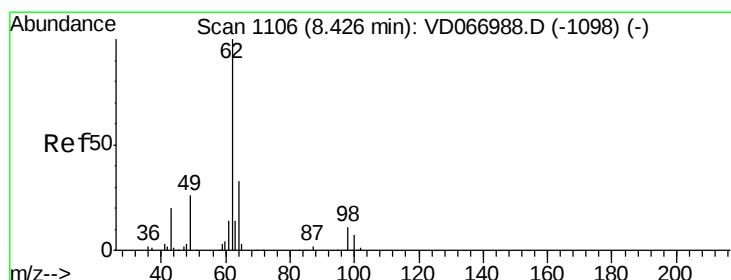
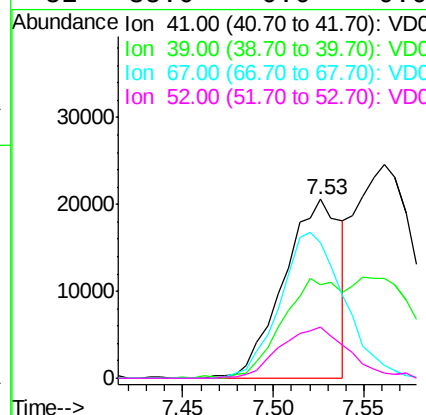
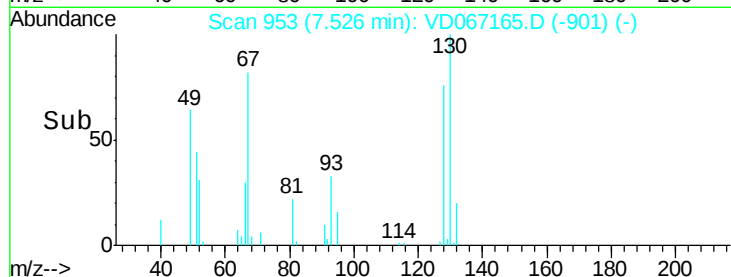
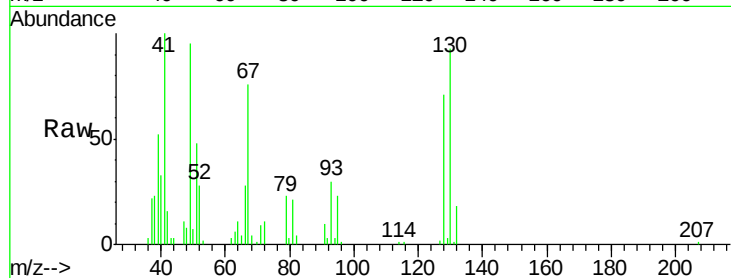
#41
Methacrylonitrile
Concen: 46.839 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.01 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	45441
Ion Ratio	Lower	Upper	
41	100		
39	57.1	0.0	0.0#
67	91.3	0.0	0.0#
52	35.0	0.0	0.0#

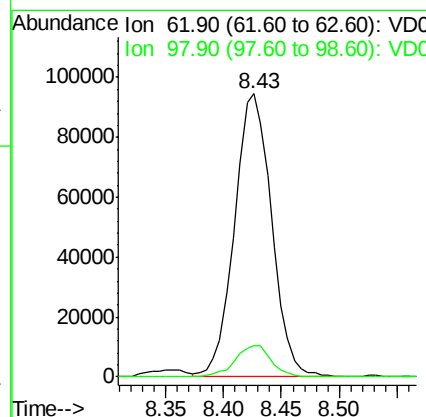
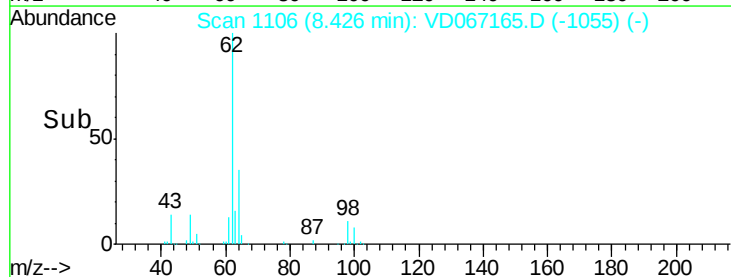
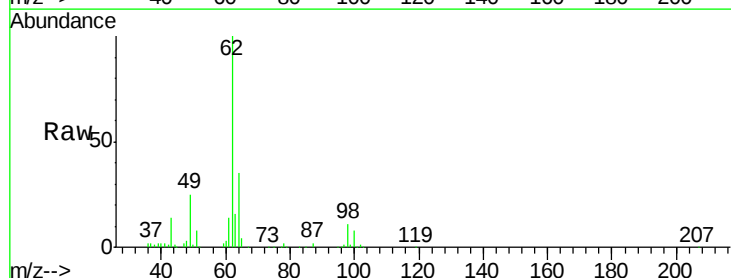
Manual Integrations
APPROVED

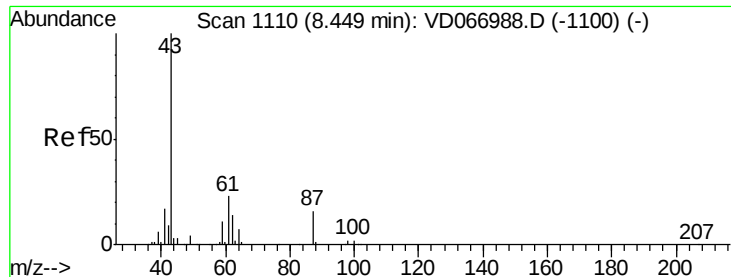
MMDadoda
10/8/2020 5:39:35 PM



#42
1,2-Dichloroethane
Concen: 52.046 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Tgt Ion	62	Resp	209392
Ion Ratio	Lower	Upper	
62	100		
98	10.9	0.0	22.6





#43

Isopropyl Acetate

Concen: 47.352 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Instrument :

MSVOA_D

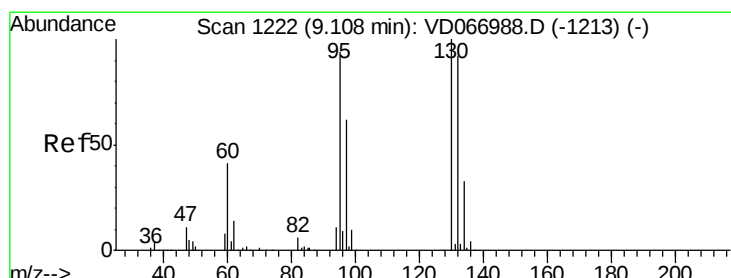
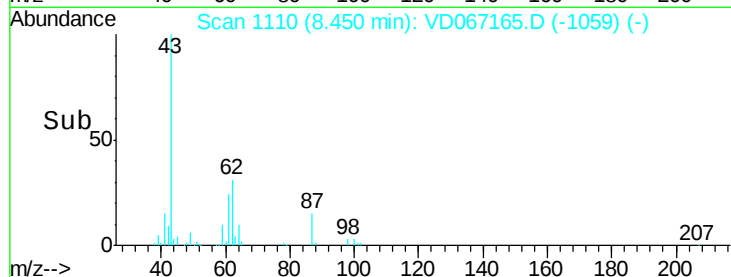
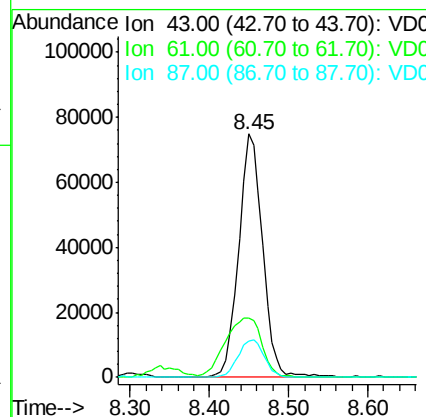
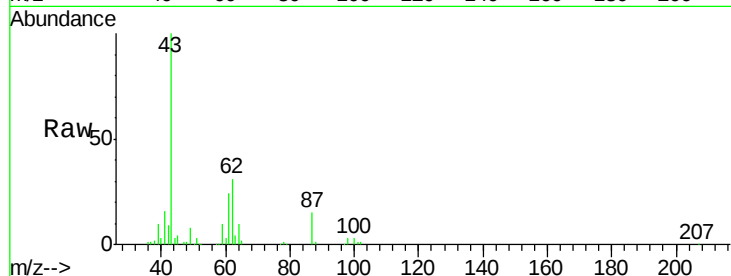
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	156649
Ion	Ratio	Lower	Upper
43	100		
61	37.4	27.1	40.7
87	16.8	12.3	18.5

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#44

Trichloroethene

Concen: 53.824 ug/l

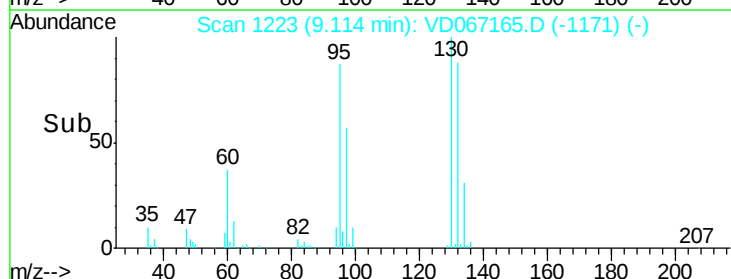
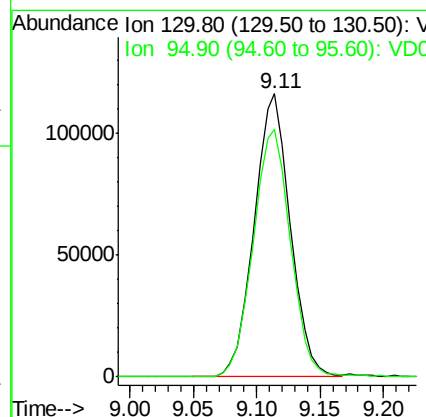
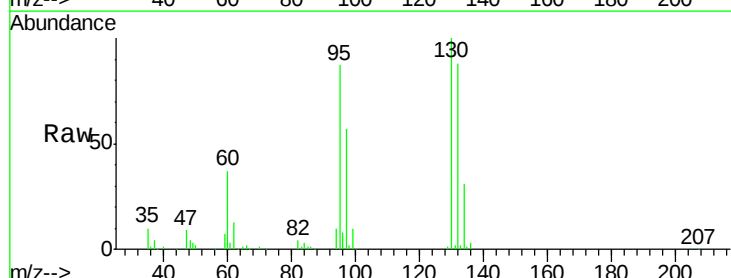
RT: 9.11 min Scan# 1223

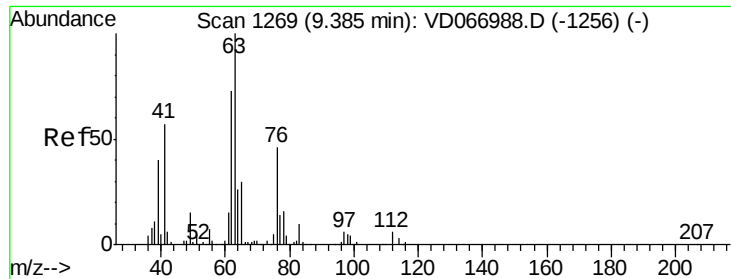
Delta R.T. 0.01 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Tgt Ion:	130	Resp:	231407
Ion	Ratio	Lower	Upper
130	100		
95	87.4	0.0	187.8





#45

1,2-Dichloropropane

Concen: 50.974 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 172443

Ion Ratio Lower Upper

63 100

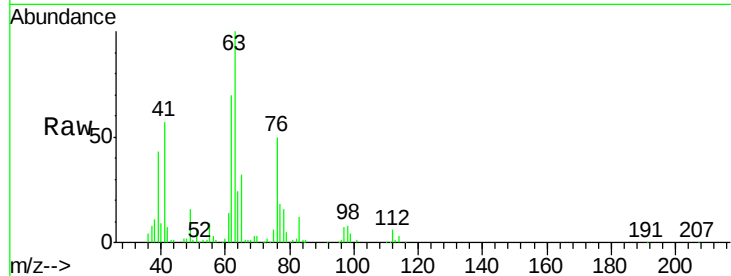
65 31.7 23.7 35.5

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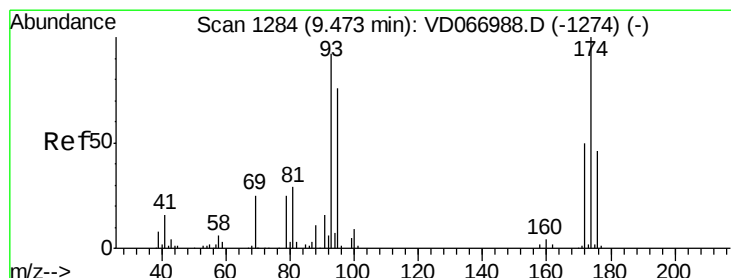
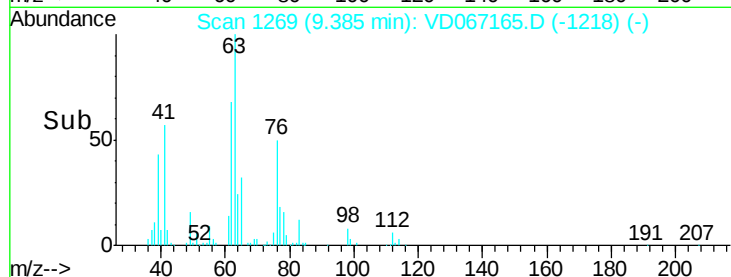
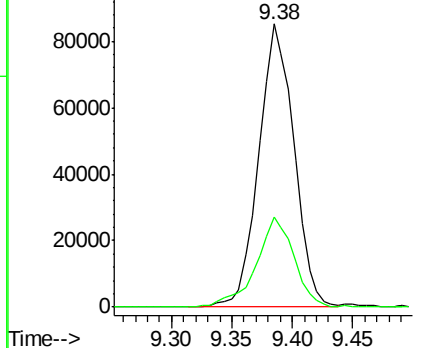
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 52.941 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

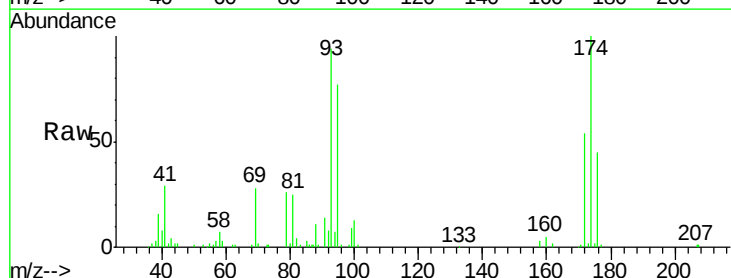
Tgt Ion: 93 Resp: 102937

Ion Ratio Lower Upper

93 100

95 84.1 64.7 97.1

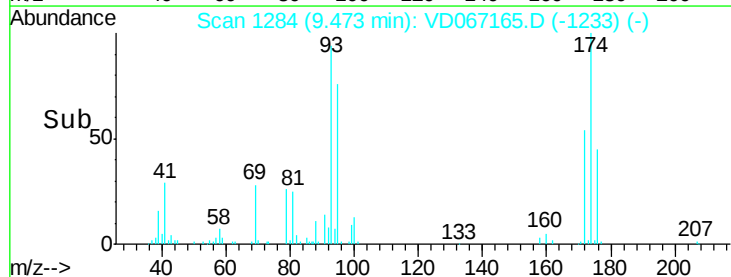
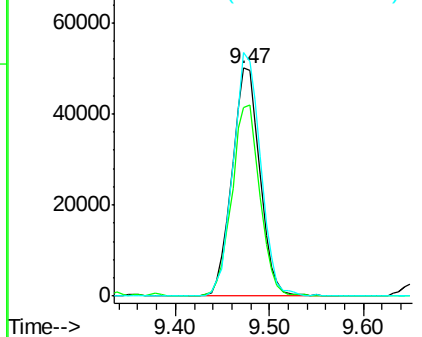
174 105.4 81.4 122.2

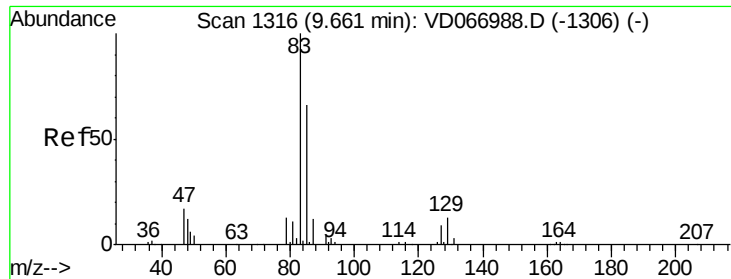


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





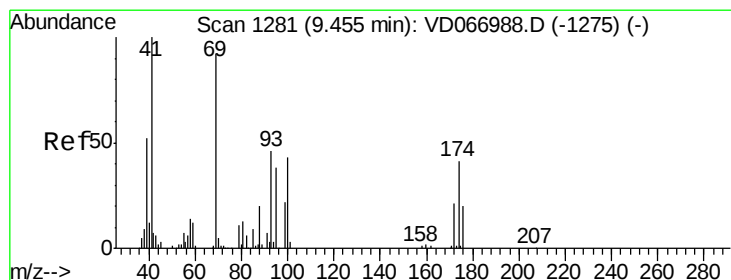
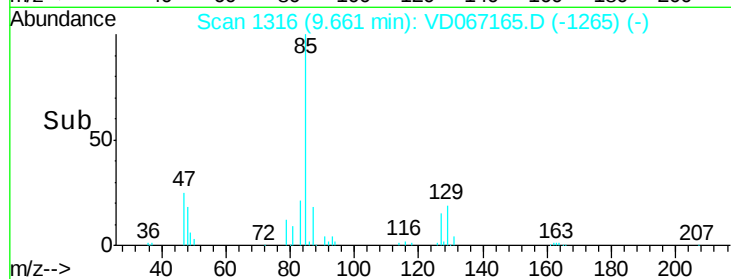
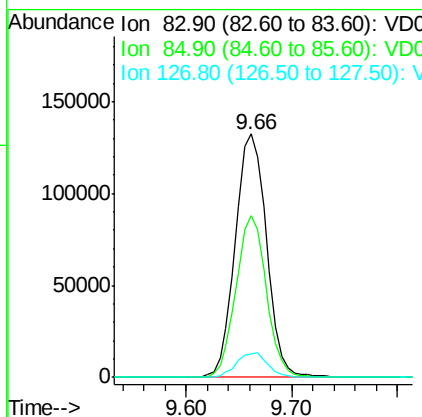
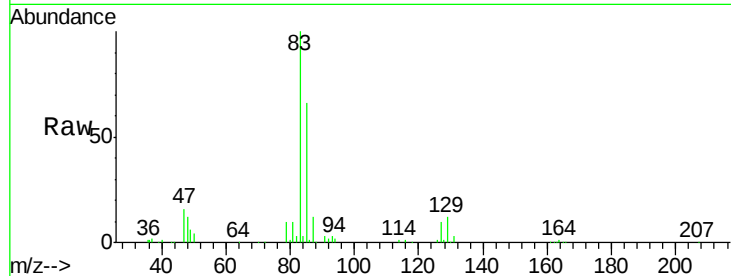
#47
Bromodichloromethane
Concen: 53.800 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	271921		
85	66.4	52.9	79.3	
127	9.8	7.3	10.9	

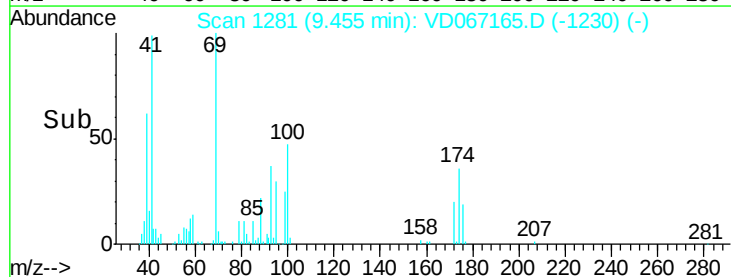
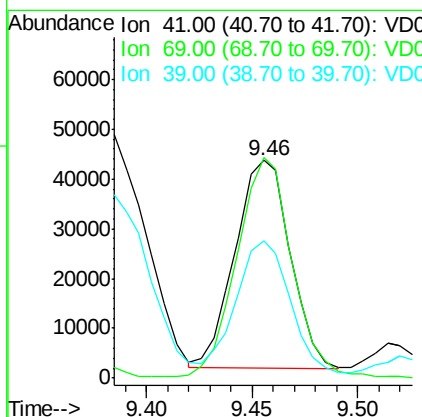
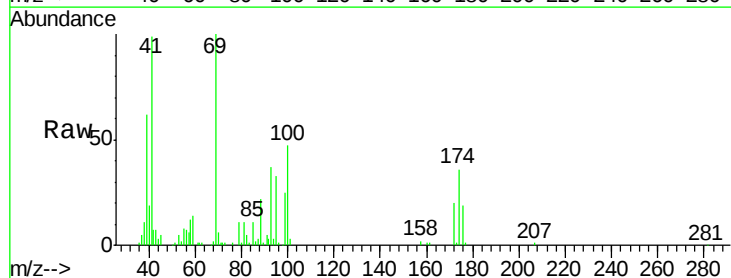
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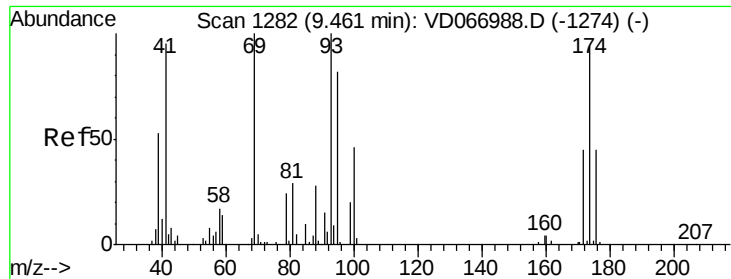
MMDadoda
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#48
Methyl methacrylate
Concen: 44.801 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	75930		
69	107.7	68.5	102.7#	
39	61.1	40.2	60.2#	





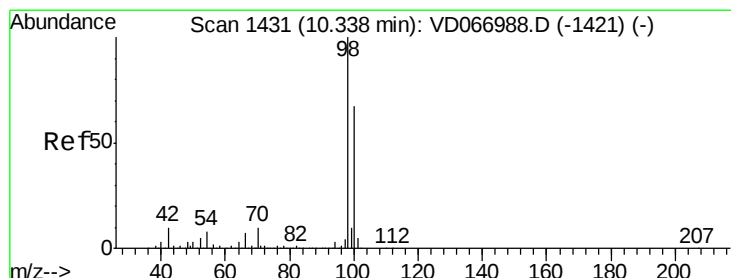
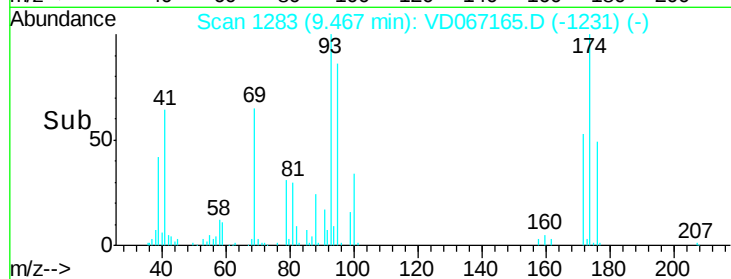
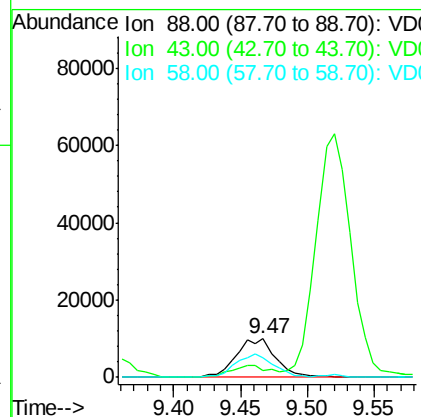
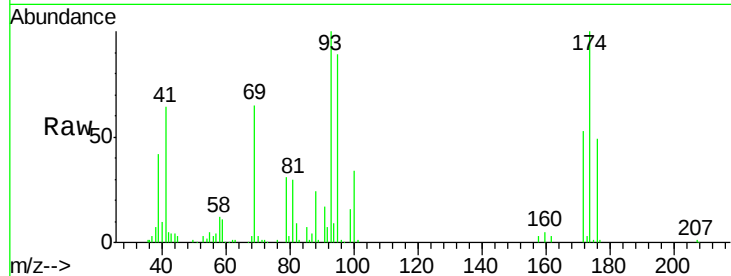
#49
1,4-Dioxane
Concen: 1019.469 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	20688
Ion	Ratio	Lower	Upper
88	100		
43	30.9	25.6	38.4
58	57.9	53.5	80.3

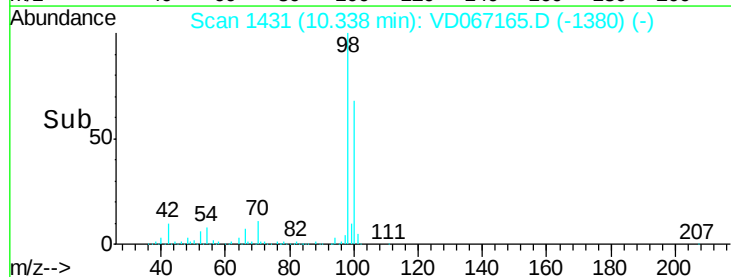
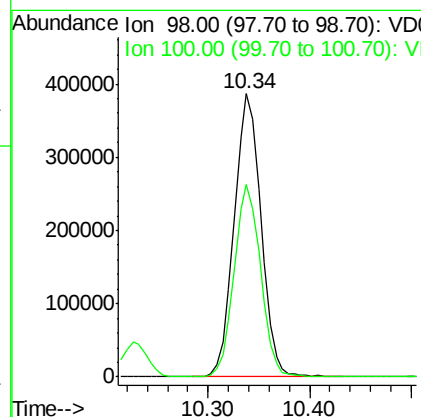
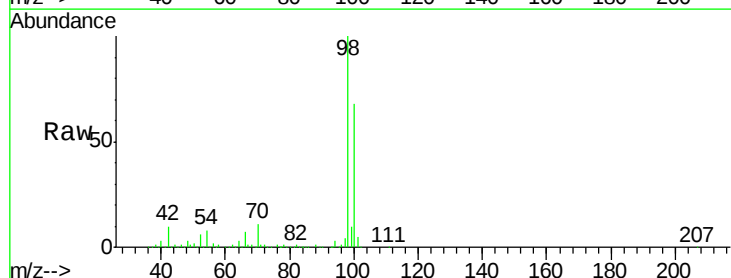
Manual Integrations
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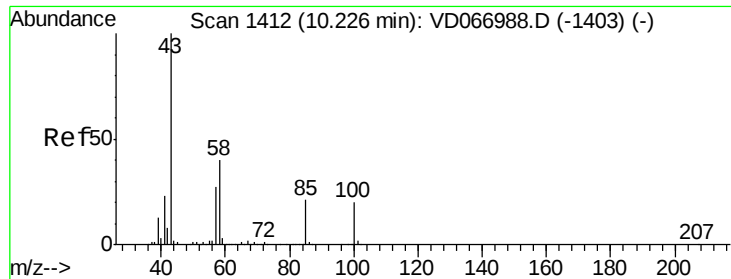
MMDadoda
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#50
Toluene-d8
Concen: 53.551 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Tgt Ion	98	Resp	710443
Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.8	79.2





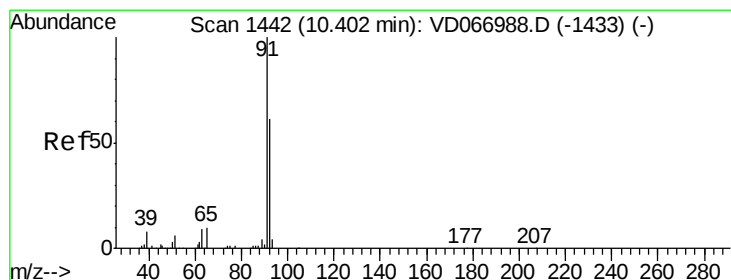
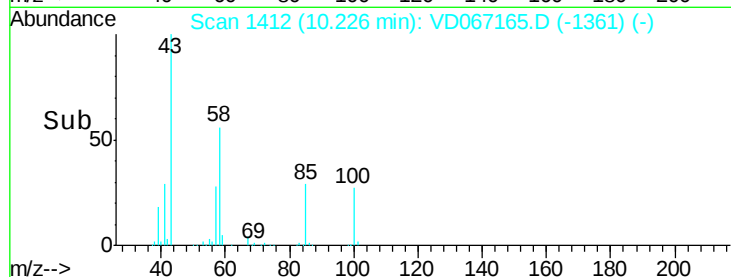
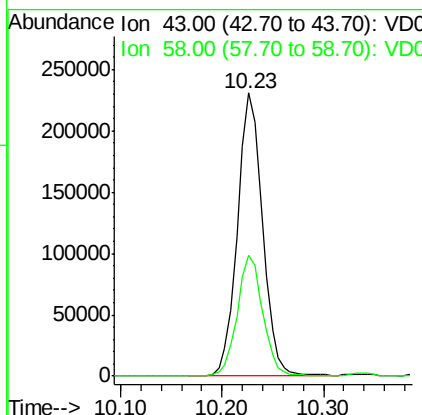
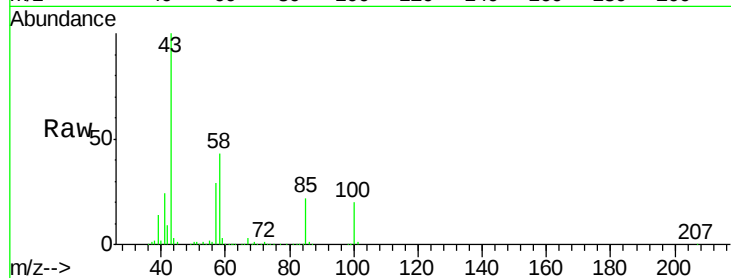
#51
4-Methyl-2-Pentanone
Concen: 242.240 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	399163
Ion Ratio	100	Lower	Upper
43	100		
58	43.1	33.8	50.8

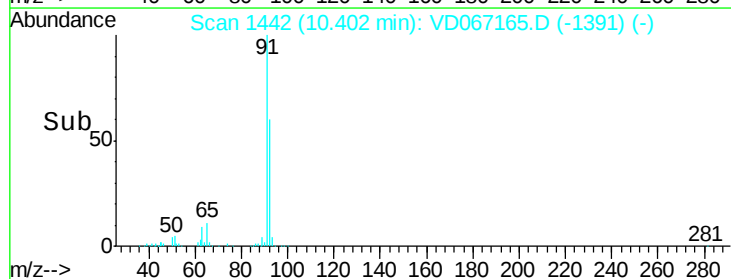
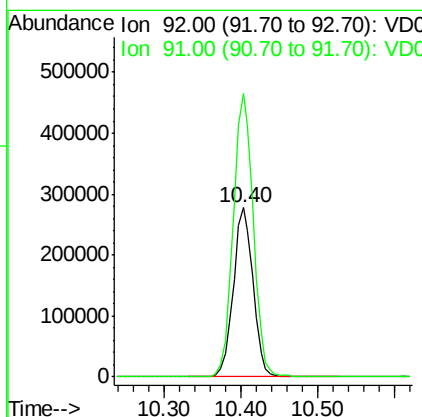
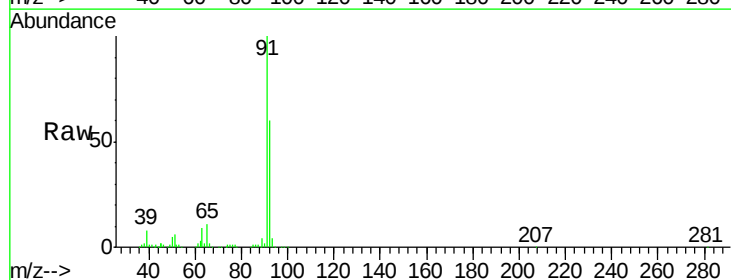
Manual Integrations
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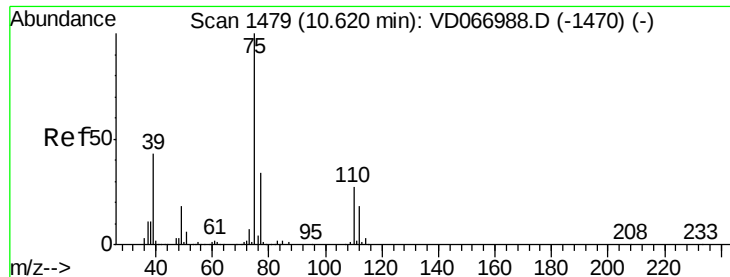
MMDadoda
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#52
Toluene
Concen: 53.600 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Tgt Ion	92	Resp	497126
Ion Ratio	100	Lower	Upper
92	100		
91	169.9	135.1	202.7





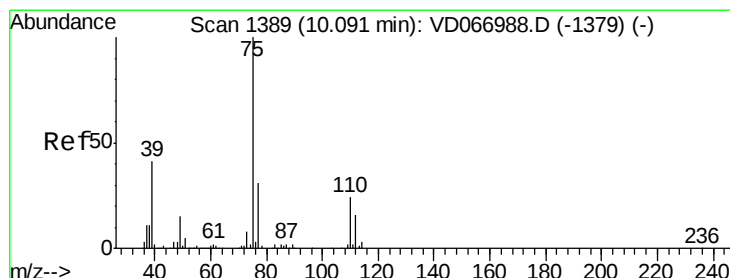
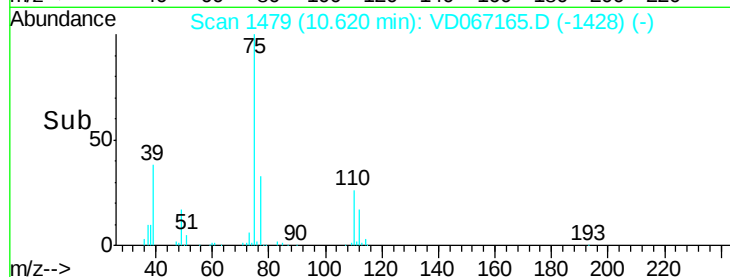
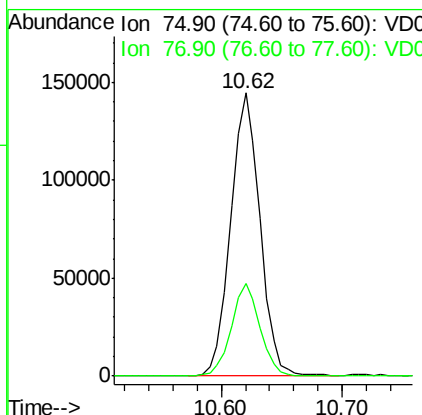
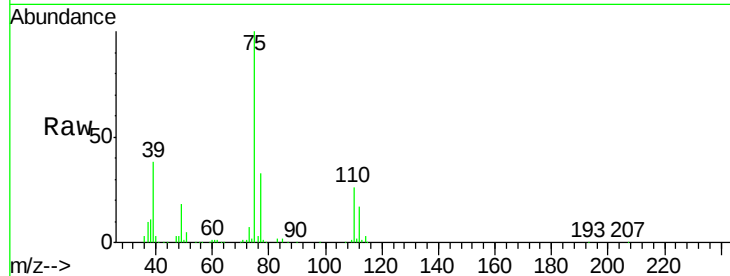
#53
 t-1,3-Dichloropropene
 Concen: 54.083 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD067165.D
 Acq: 07 Oct 2020 21:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 244300
 Ion Ratio Lower Upper
 75 100
 77 32.7 27.1 40.7

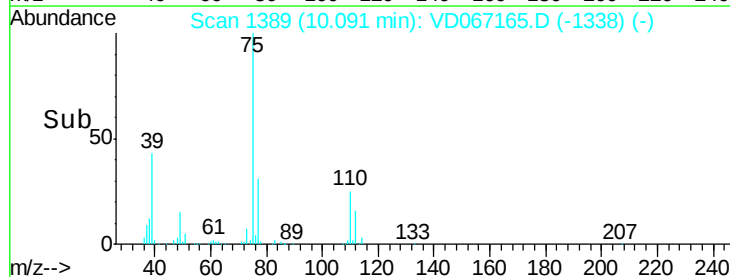
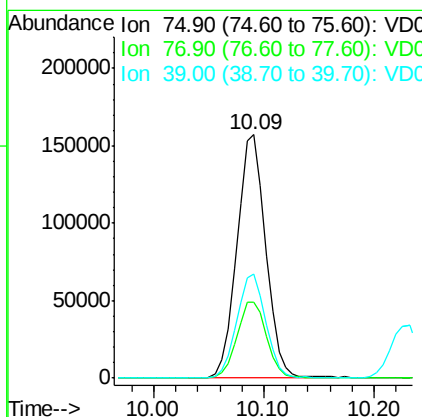
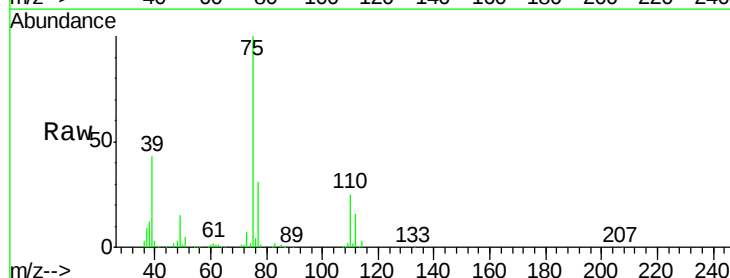
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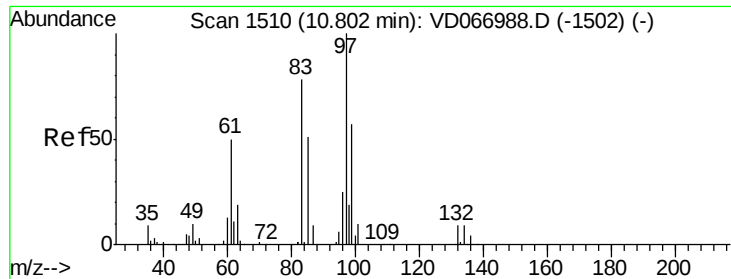
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 52.505 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD067165.D
 Acq: 07 Oct 2020 21:57

Tgt Ion: 75 Resp: 289615
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.6 37.0
 39 42.4 33.0 49.4





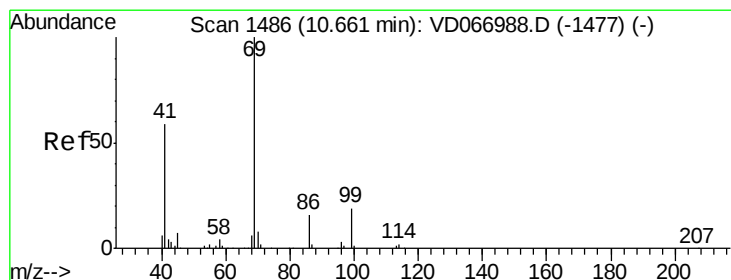
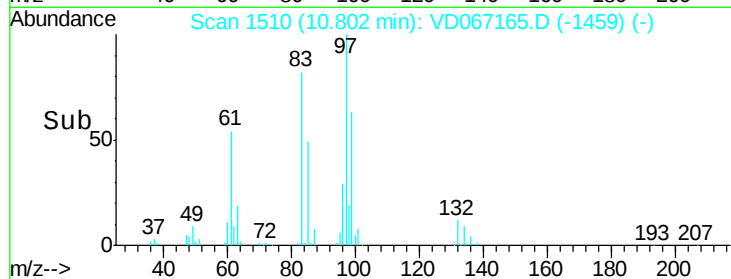
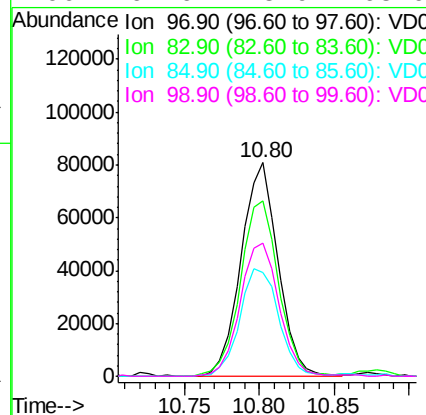
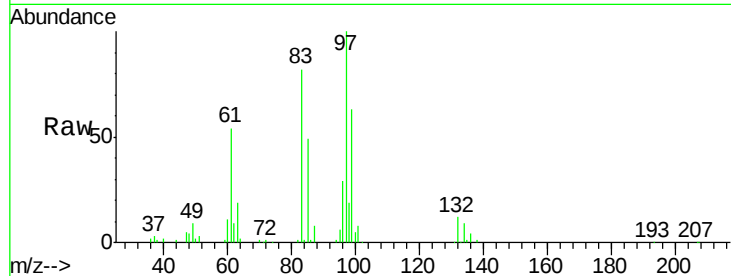
#55
 1,1,2-Trichloroethane
 Concen: 51.583 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067165.D
 Acq: 07 Oct 2020 21:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		139442		
83	81.9	62.4	93.6		
85	48.6	41.0	61.4		
99	62.6	45.9	68.9		

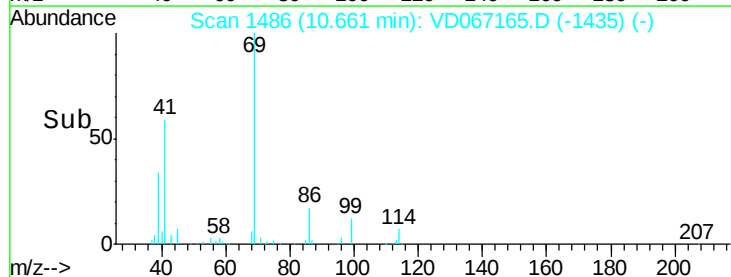
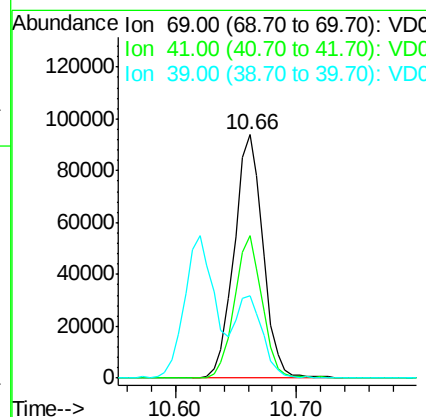
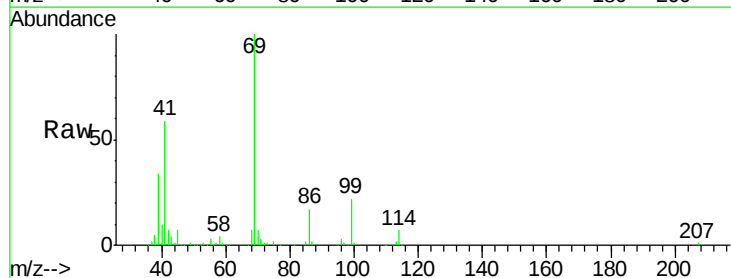
Manual Integrations
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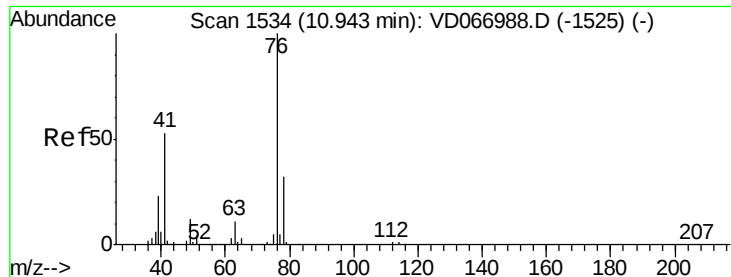
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 10/8/2020 5:39:35 PM



#56
 Ethyl methacrylate
 Concen: 55.841 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067165.D
 Acq: 07 Oct 2020 21:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		155848		
41	56.9	46.4	69.6		
39	31.7	23.8	35.6		





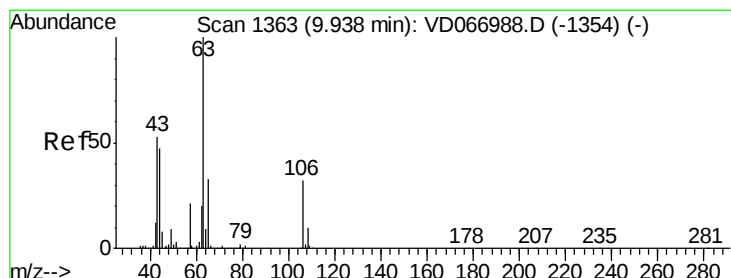
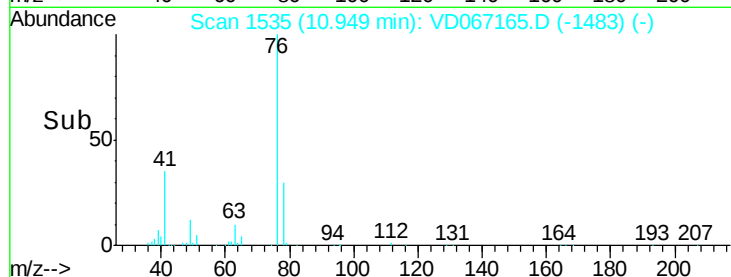
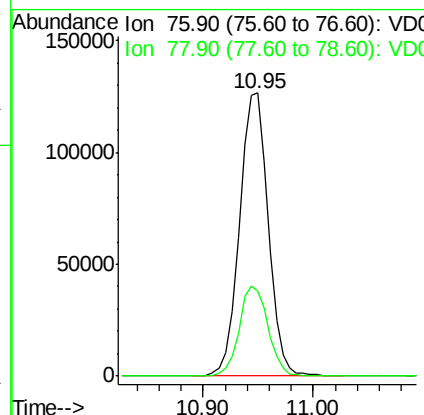
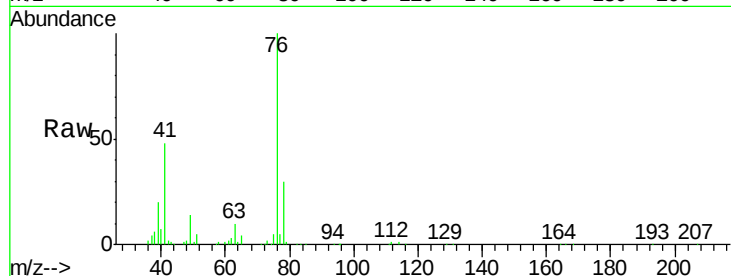
#57
 1,3-Dichloropropane
 Concen: 52.719 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD067165.D
 Acq: 07 Oct 2020 21:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

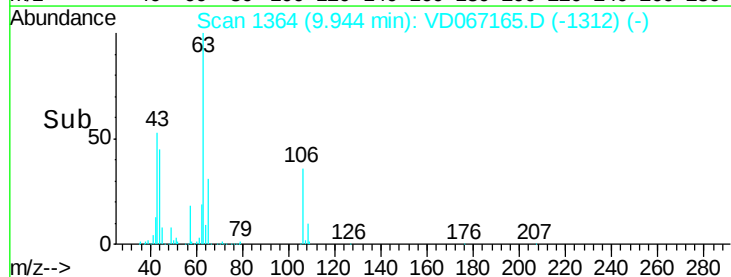
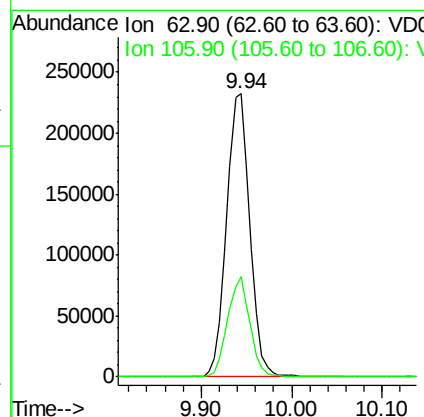
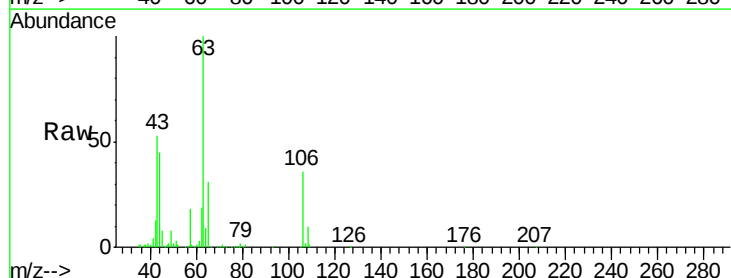
Manual Integrations
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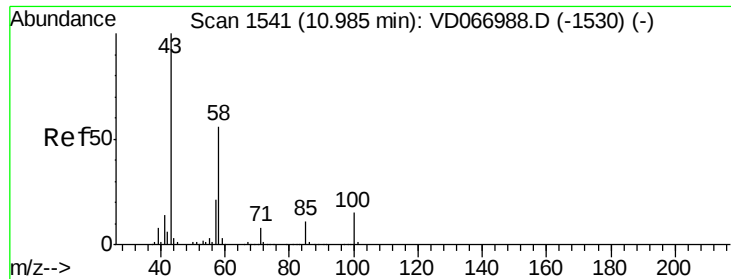
MMDadoda
 10/8/2020 5:39:35 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 265.800 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: VD067165.D
 Acq: 07 Oct 2020 21:57

Tgt Ion	Ratio	Lower	Upper
63	100		
106	34.0	25.3	37.9





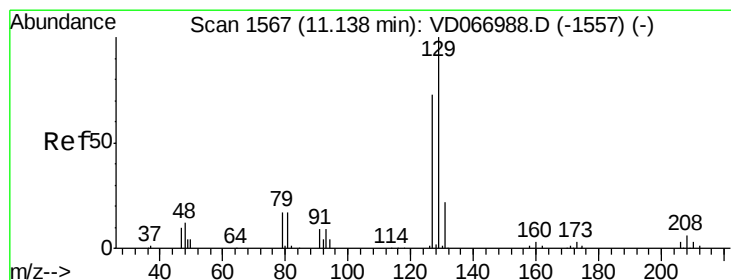
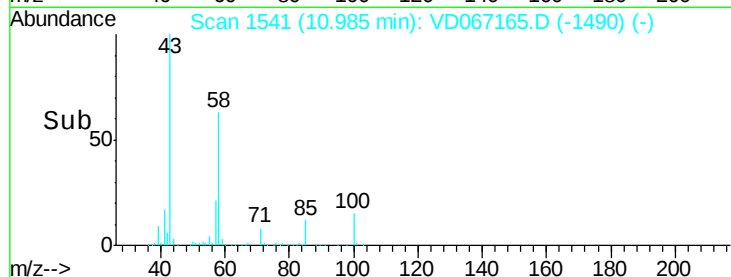
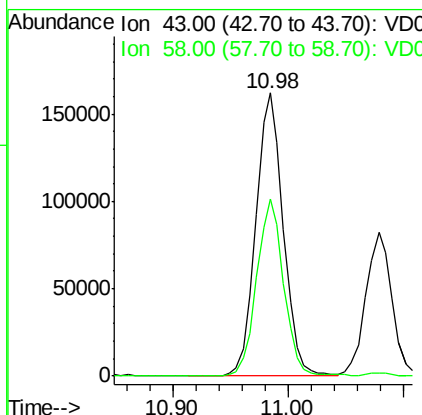
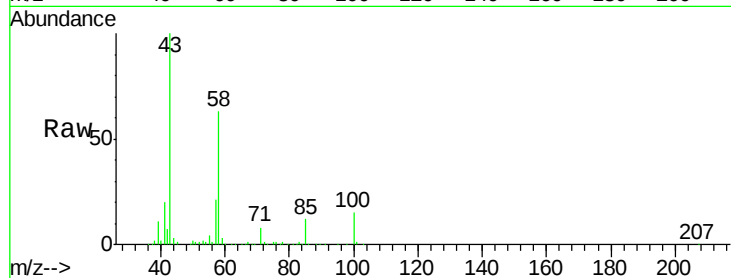
#59
2-Hexanone
Concen: 243.598 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	267912
Ion Ratio	43	100	
Lower	58	61.9	28.3
Upper			84.9

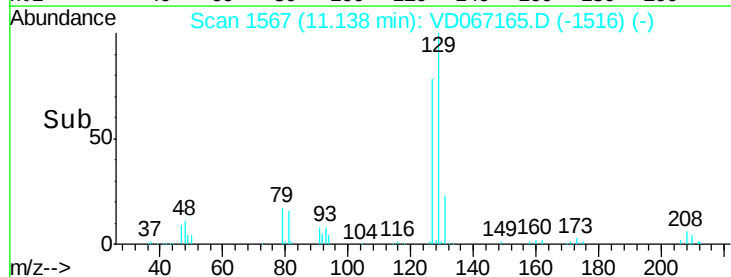
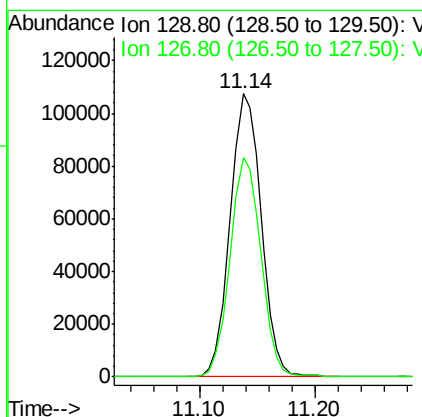
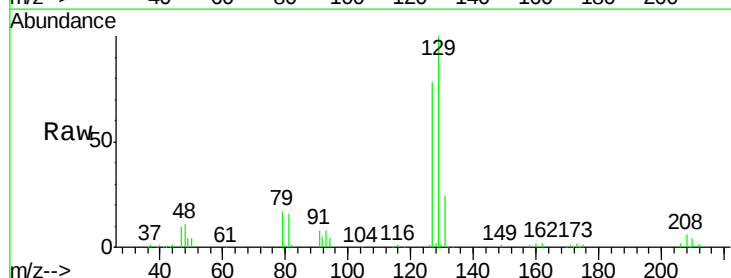
Manual Integrations
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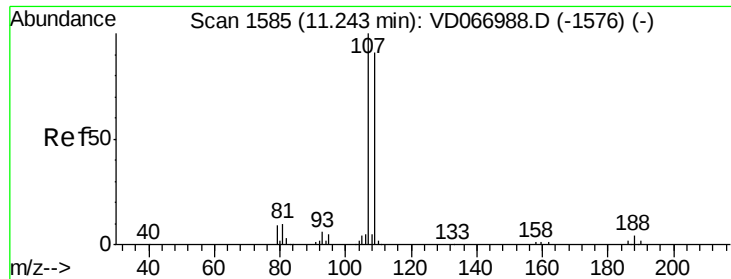
MMDadoda
10/8/2020 5:39:35 PM



#60
Dibromochloromethane
Concen: 55.838 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Tgt Ion	129	Resp	201183
Ion Ratio	129	100	
Lower	127	76.6	37.4
Upper			112.1





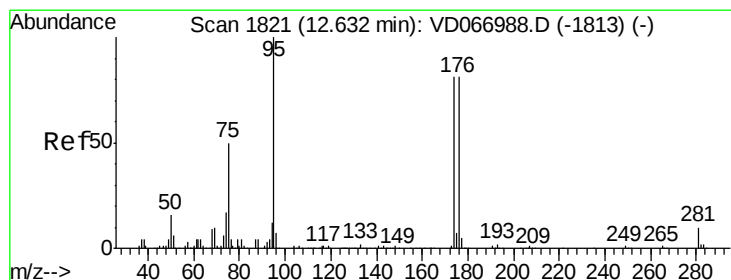
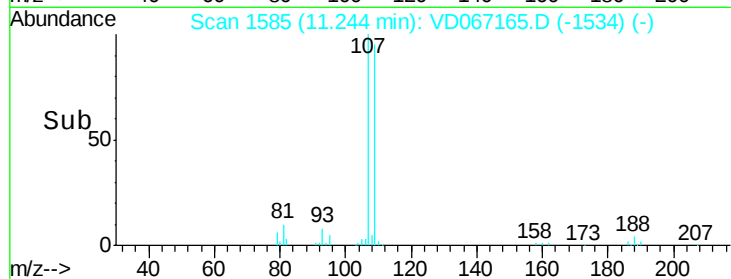
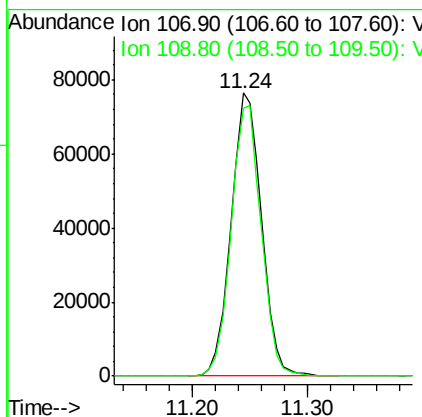
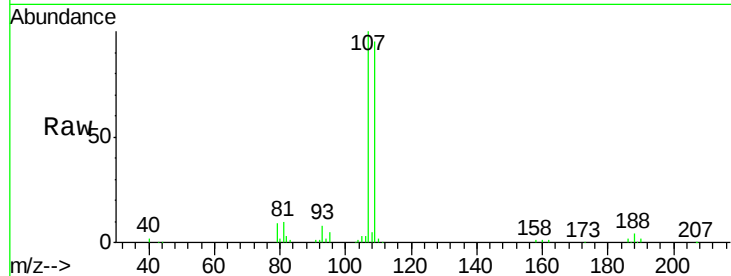
#61
 1,2-Dibromoethane
 Concen: 53.595 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD067165.D
 Acq: 07 Oct 2020 21:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	139189		
109	94.7	74.0	111.0	

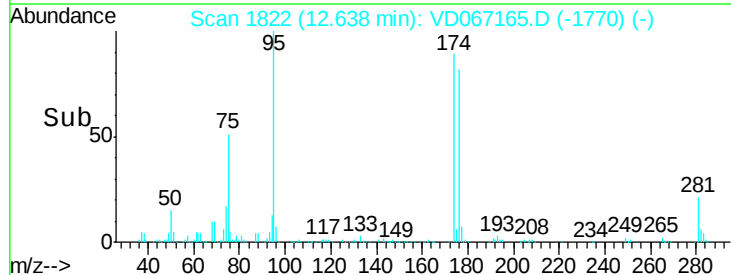
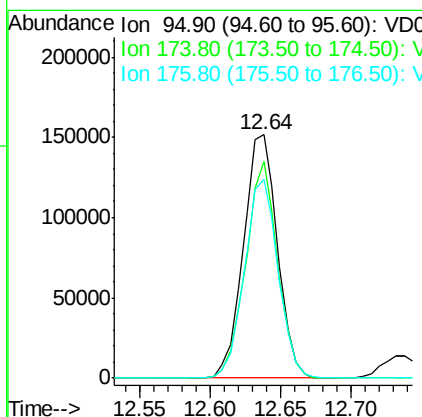
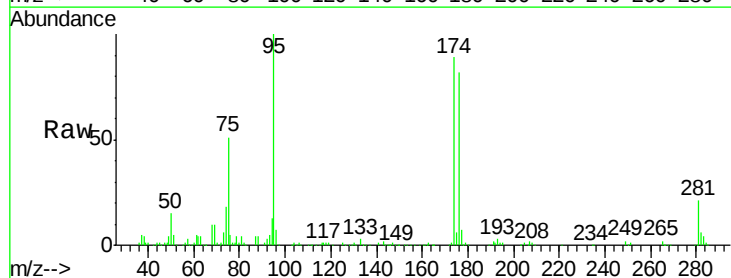
Manual Integrations
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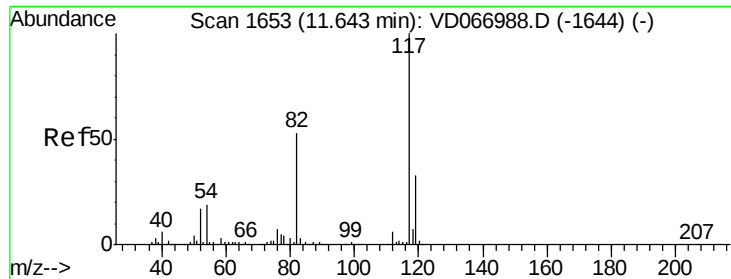
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 10/8/2020 5:39:35 PM



#62
 4-Bromofluorobenzene
 Concen: 56.629 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD067165.D
 Acq: 07 Oct 2020 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	255040		
174	83.8	0.0	167.6	
176	81.1	0.0	162.4	





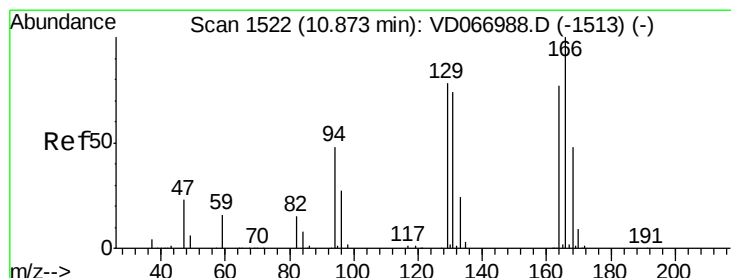
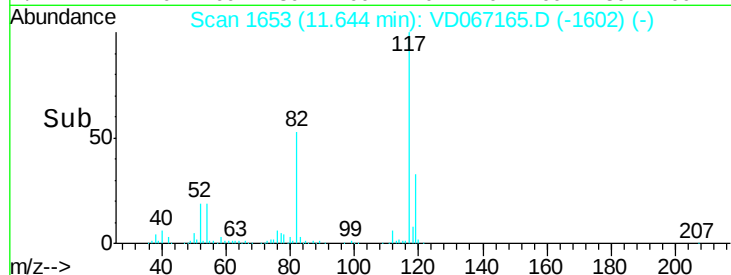
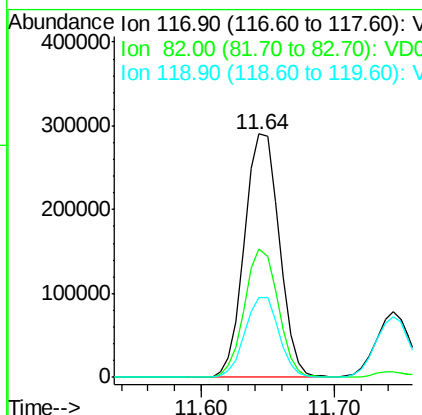
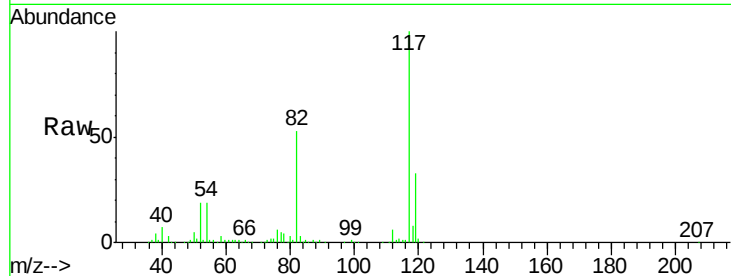
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	524959		
82	52.6		42.6	63.8
119	32.5		26.3	39.5

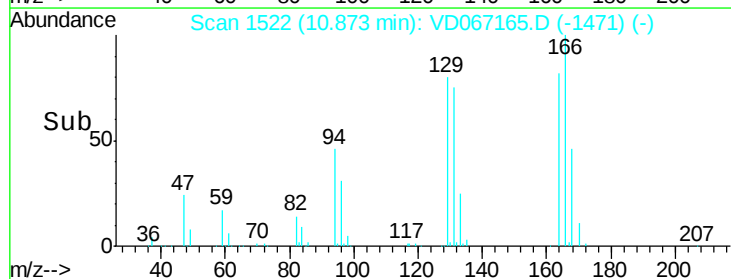
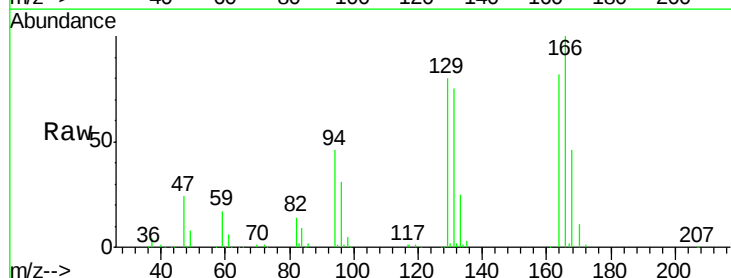
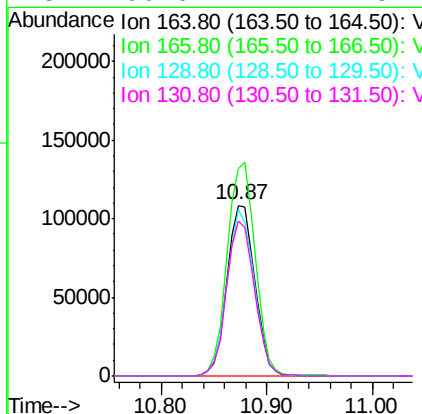
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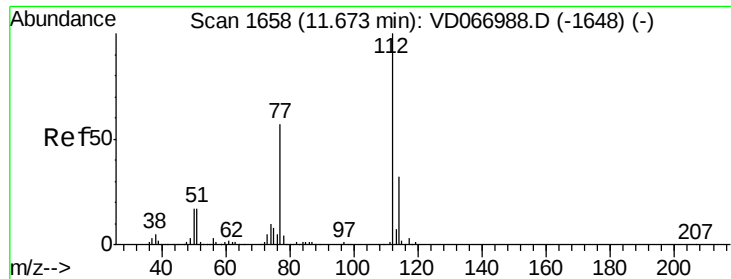
MMDadoda
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#64
Tetrachloroethene
Concen: 51.837 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	197835		
166	121.2		104.4	156.6
129	97.1		81.3	121.9
131	90.6		77.1	115.7





#65

Chlorobenzene

Concen: 51.759 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 540404

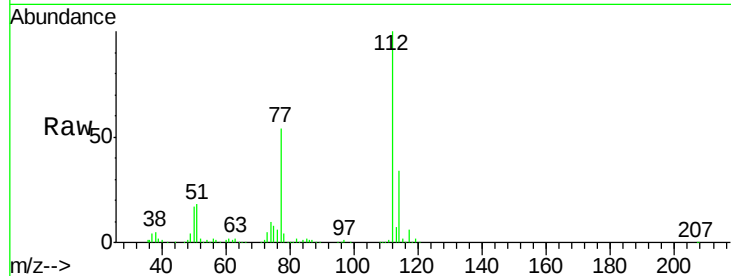
Ion Ratio Lower Upper

112 100

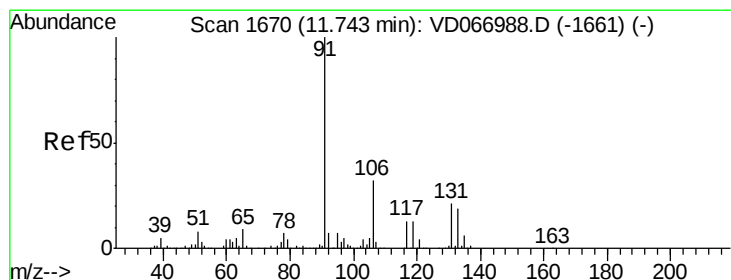
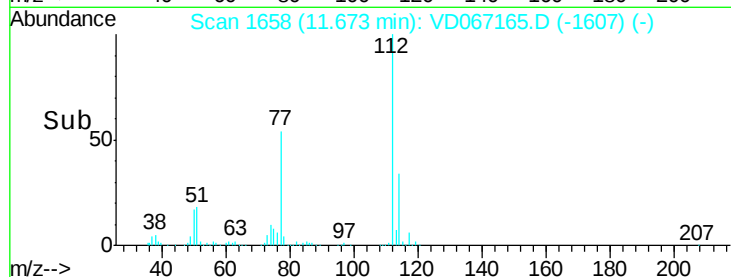
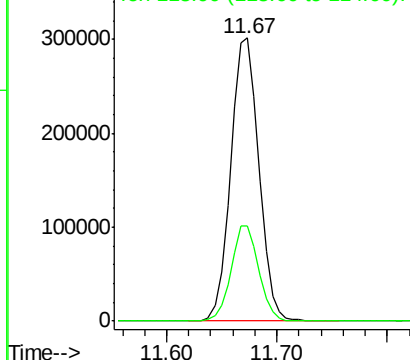
114 33.8 25.4 38.0

Manual Integrations
APPROVED

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Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.870 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

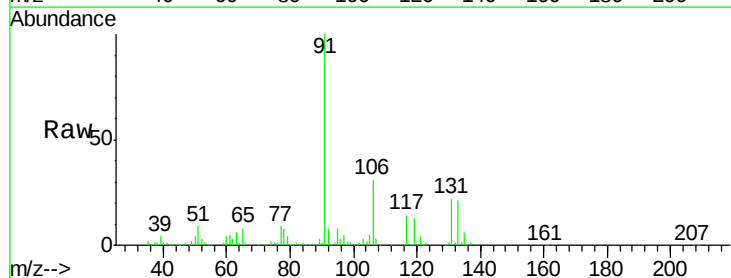
Tgt Ion:131 Resp: 213944

Ion Ratio Lower Upper

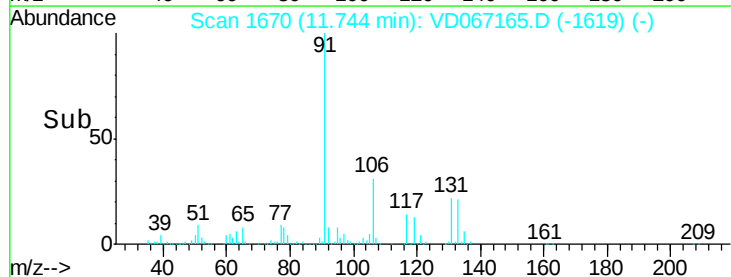
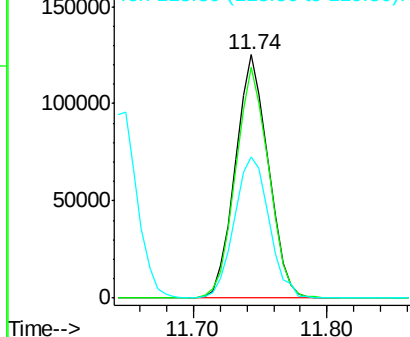
131 100

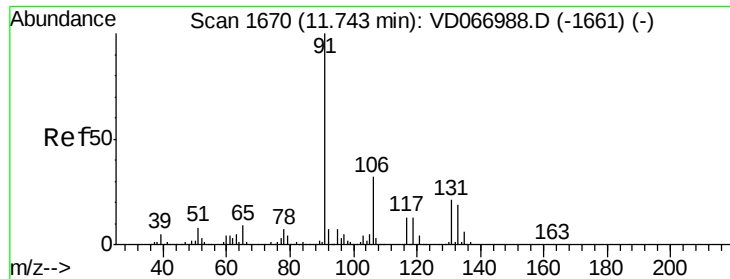
133 95.4 47.8 143.3

119 61.3 32.3 96.8



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





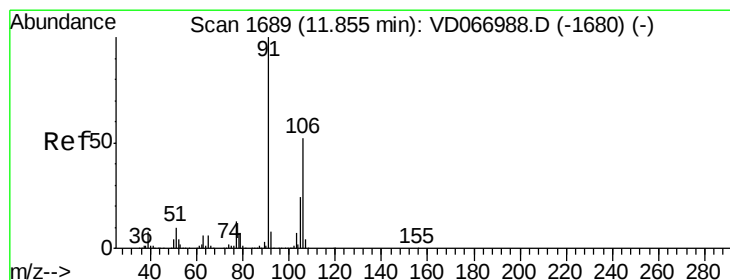
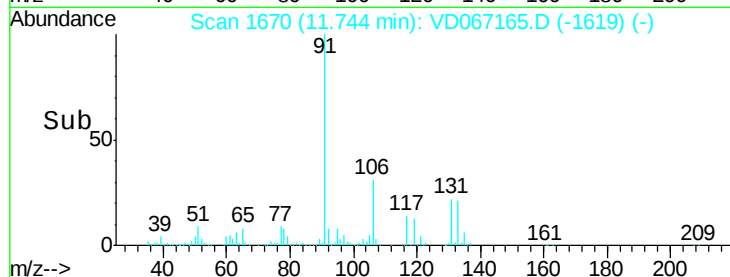
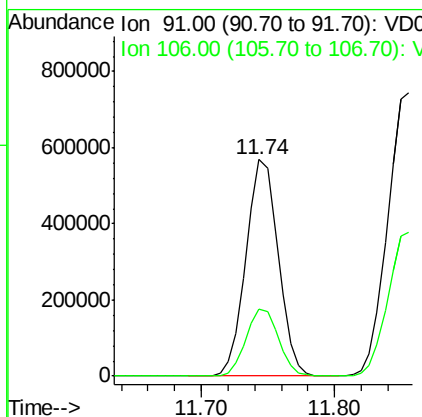
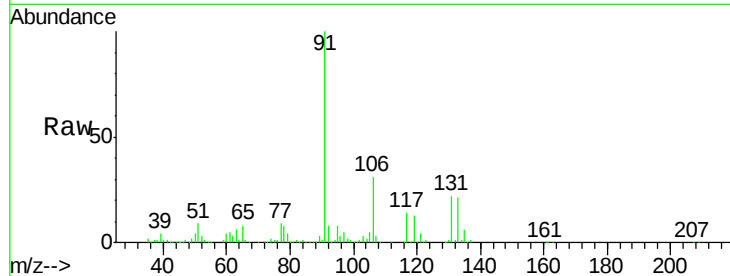
#67
Ethyl Benzene
Concen: 53.165 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 951079
Ion Ratio Lower Upper
91 100
106 30.8 25.4 38.2

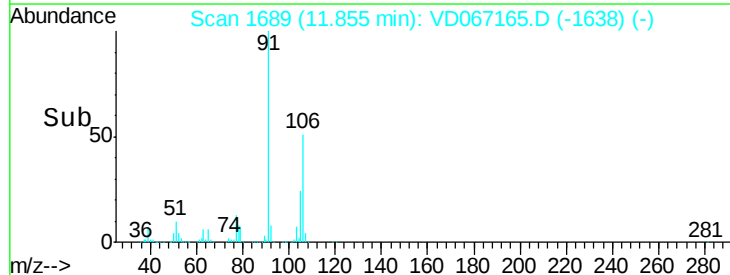
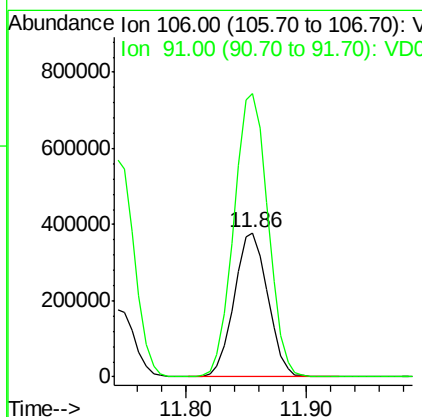
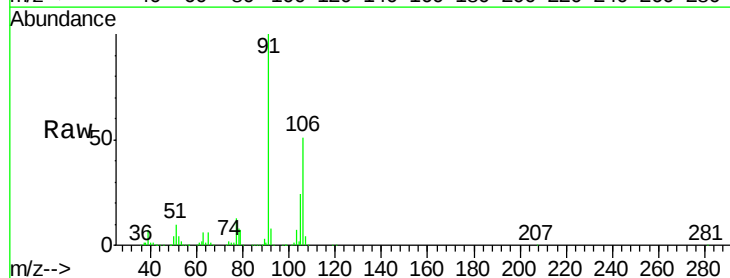
Manual Integrations
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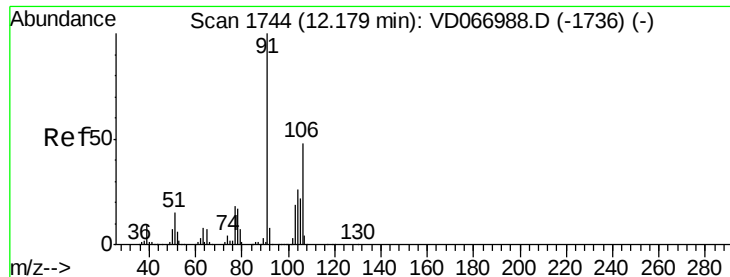
MMDadoda
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#68
m/p-Xylenes
Concen: 105.343 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Tgt Ion: 106 Resp: 734418
Ion Ratio Lower Upper
106 100
91 199.9 158.4 237.6





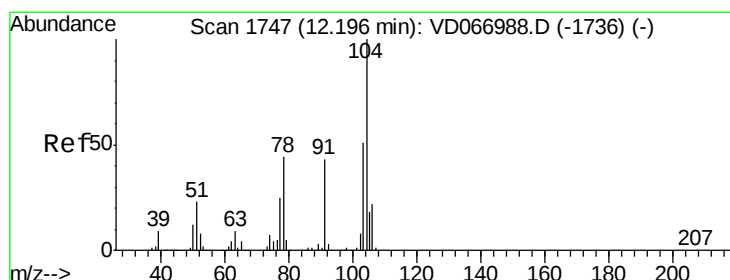
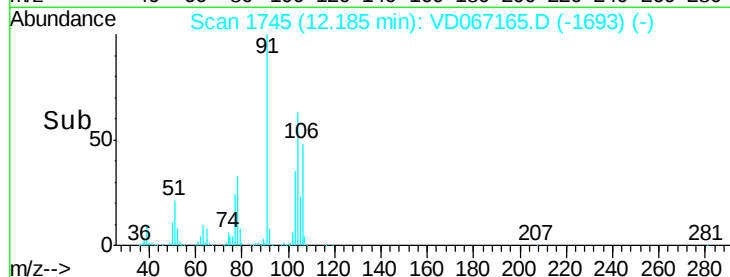
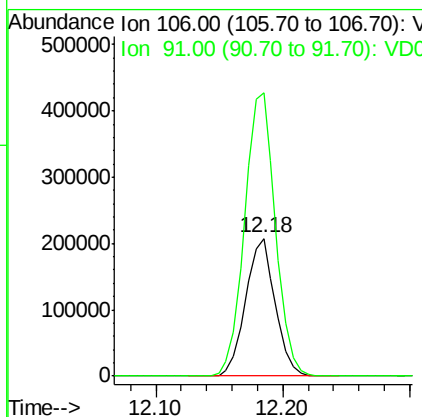
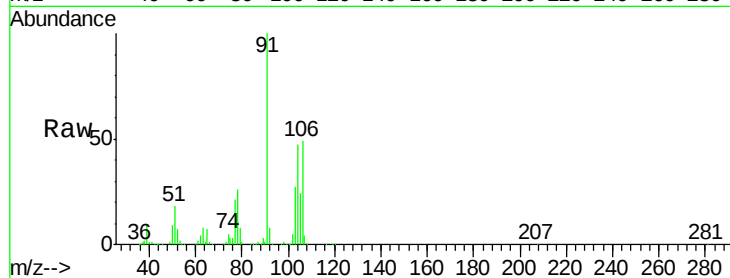
#69
o-Xylene
Concen: 54.035 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 336880
Ion Ratio Lower Upper
106 100
91 213.7 102.4 307.2

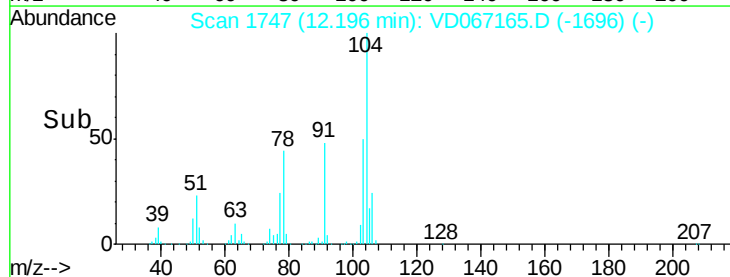
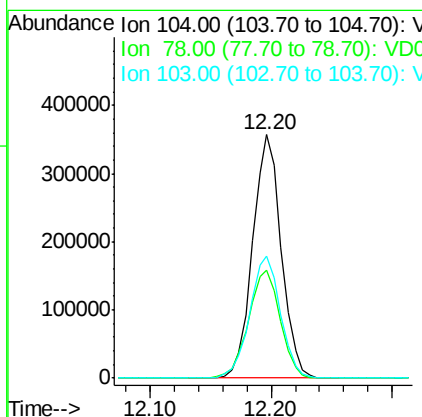
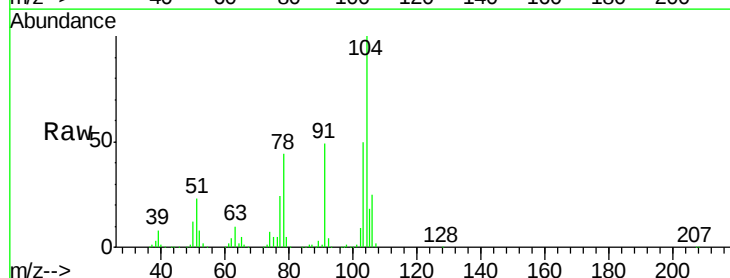
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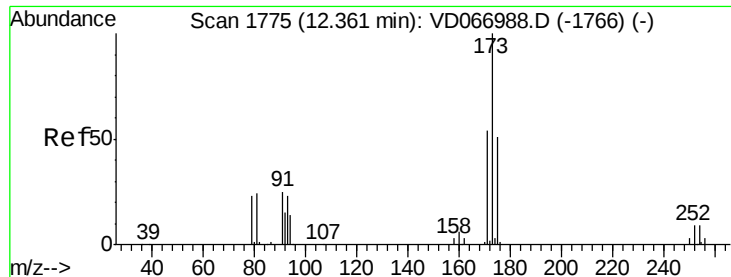
MMDadoda
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#70
Styrene
Concen: 54.955 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Tgt Ion:104 Resp: 588323
Ion Ratio Lower Upper
104 100
78 49.1 38.6 58.0
103 53.7 43.4 65.0





#71

Bromoform

Concen: 53.369 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 110022

Ion Ratio Lower Upper

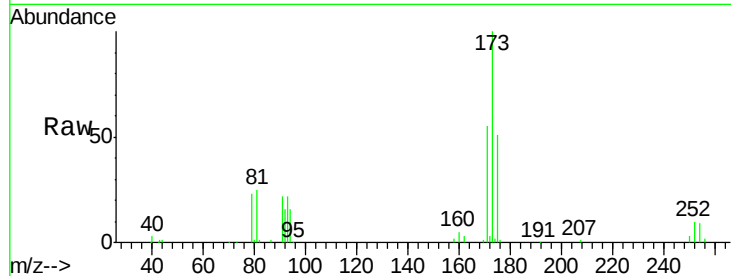
173 100

175 49.4 24.9 74.7

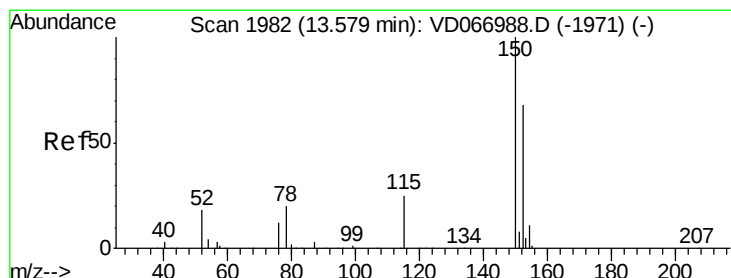
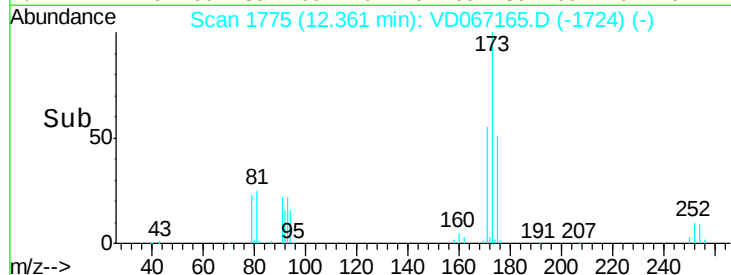
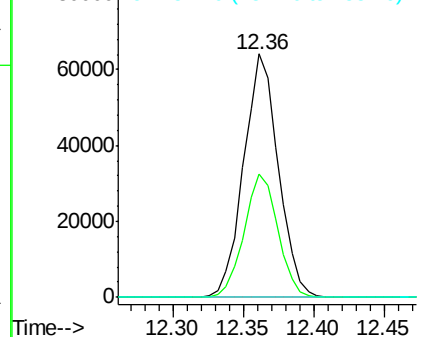
254 0.0 0.2 0.4#

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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: VD067165.D

Acq: 07 Oct 2020 21:57

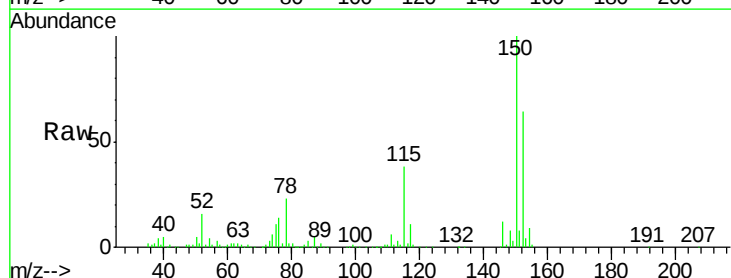
Tgt Ion:152 Resp: 259540

Ion Ratio Lower Upper

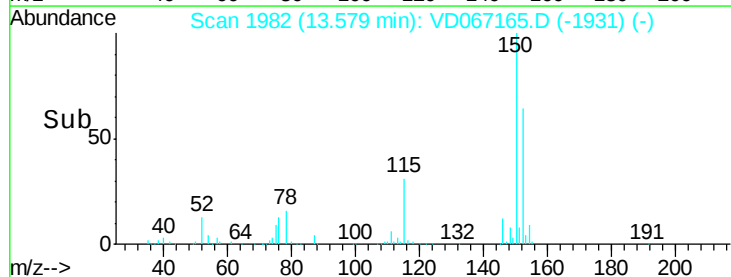
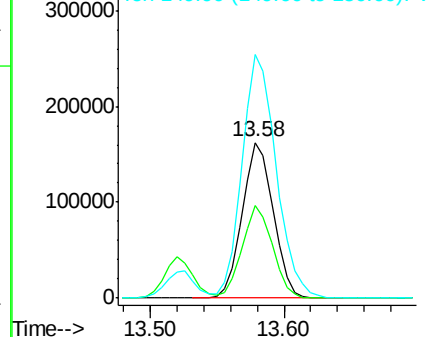
152 100

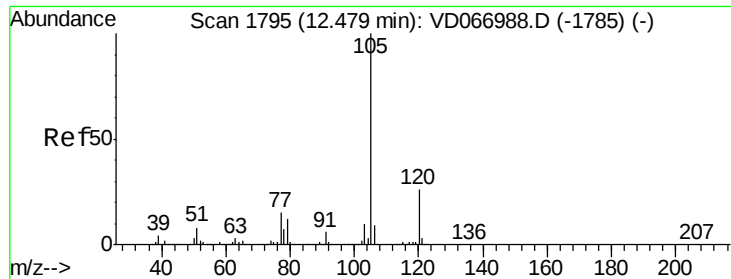
115 58.1 29.6 88.8

150 173.1 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: 52.910 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 932433

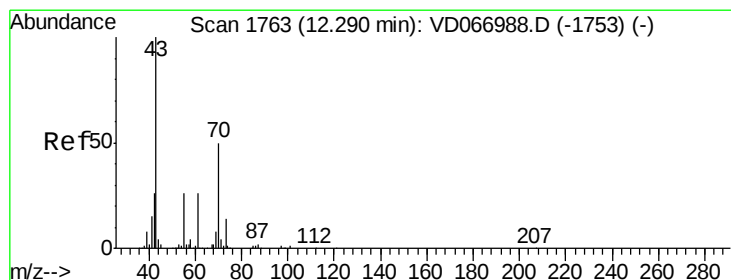
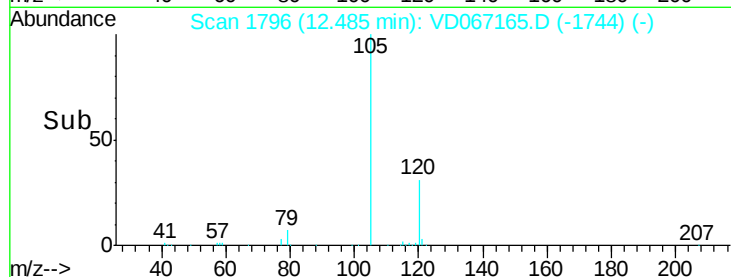
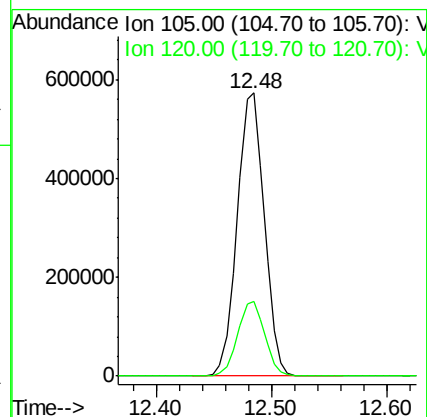
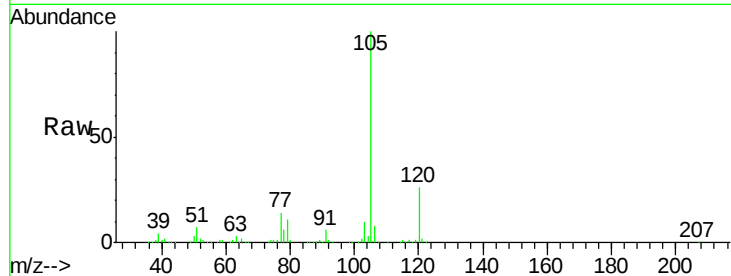
Ion Ratio Lower Upper

105 100

120 26.2 13.3 39.9

Manual Integrations
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#74

N-ethyl acetate

Concen: 46.154 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Tgt Ion: 43 Resp: 146218

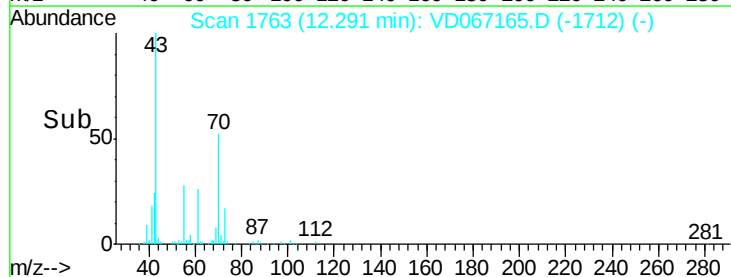
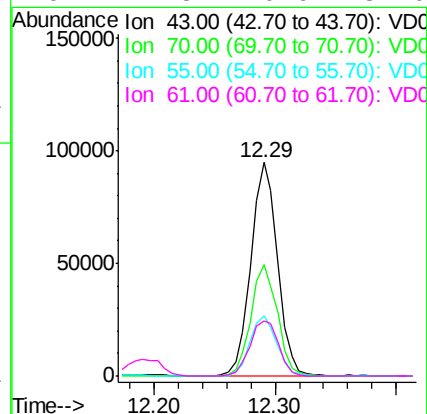
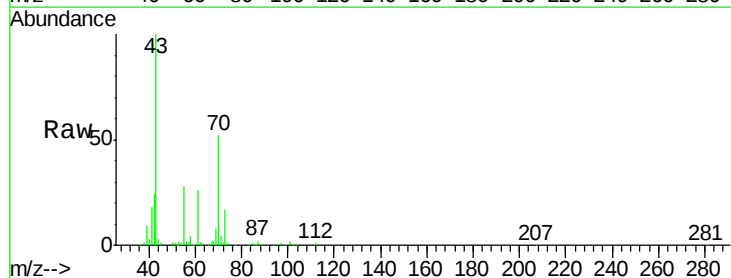
Ion Ratio Lower Upper

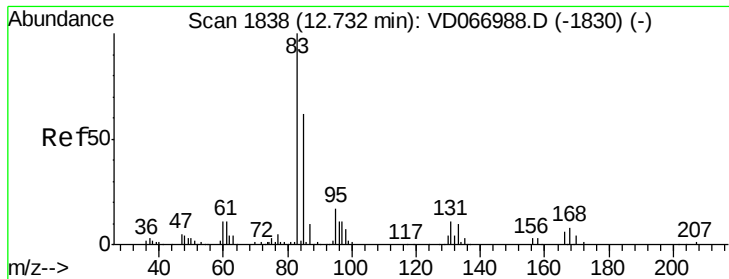
43 100

70 51.6 38.2 57.2

55 28.8 22.4 33.6

61 27.8 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.420 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Instrument :

MSVOA_D

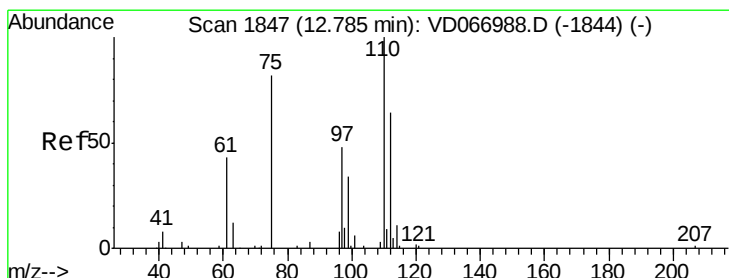
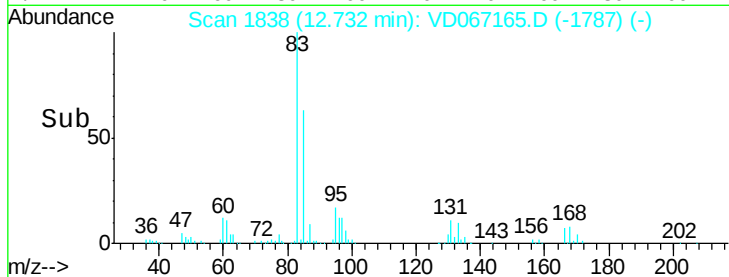
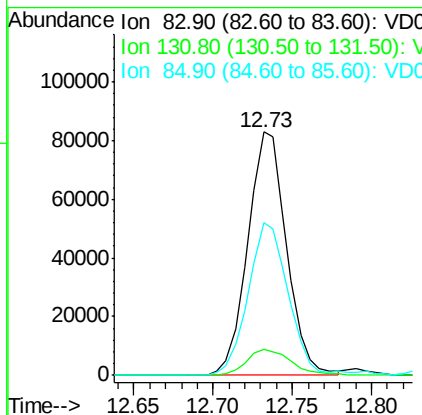
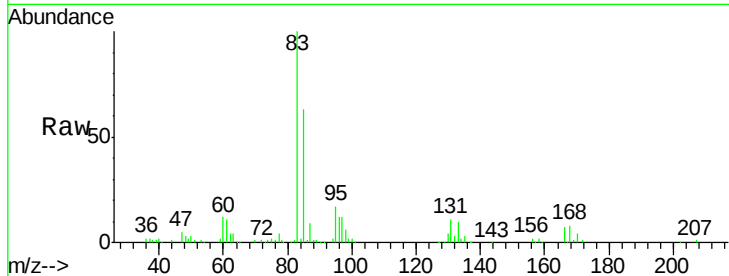
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	140803
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.7	17.0
85	64.8	32.0	96.2

Manual Integrations
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10/8/2020 5:39:35 PM



#76

1,2,3-Trichloropropane

Concen: 43.398 ug/l m

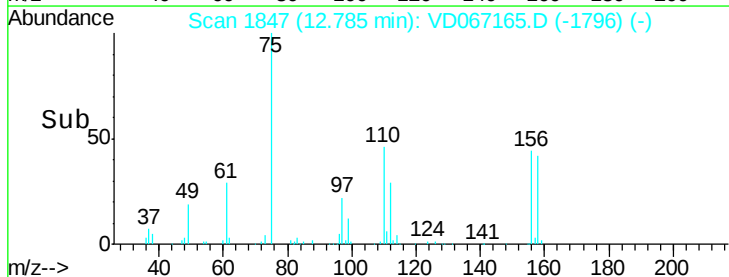
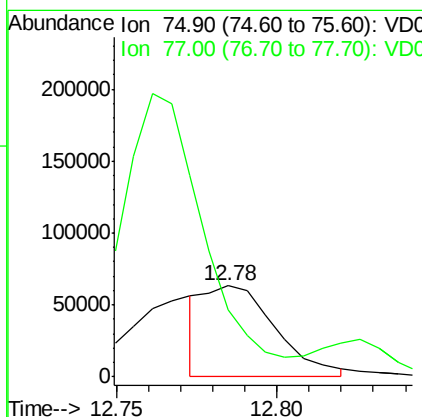
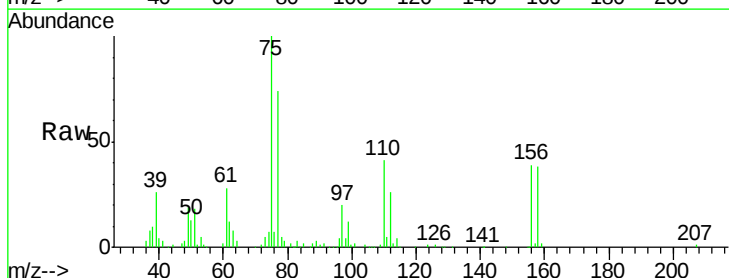
RT: 12.78 min Scan# 1847

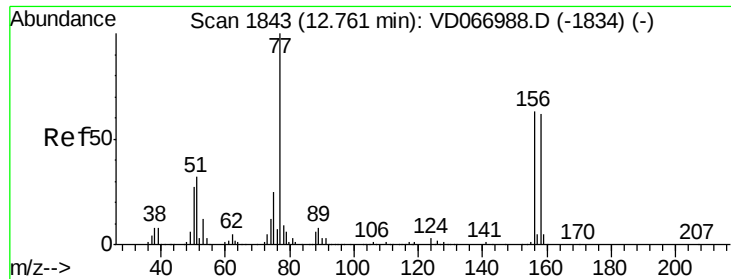
Delta R.T. 0.00 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Tgt Ion:	75	Resp:	98109
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.022 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Instrument :

MSVOA_D

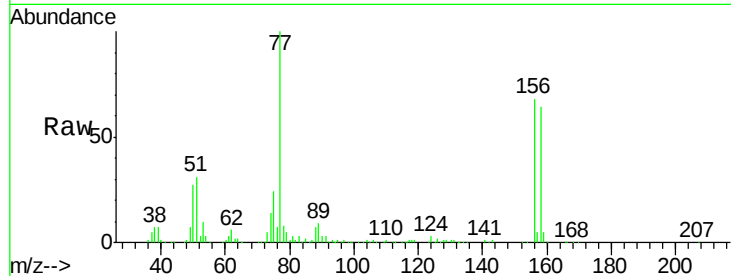
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	225627
Ion Ratio	Lower	Upper	
156	100		
77	160.0	86.3	258.8
158	95.6	49.5	148.3

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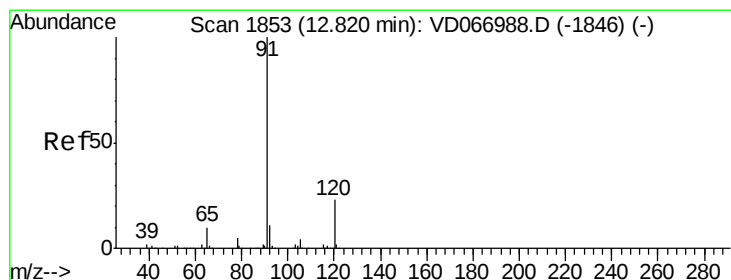
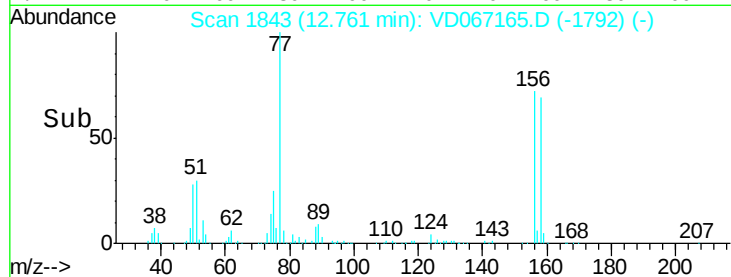
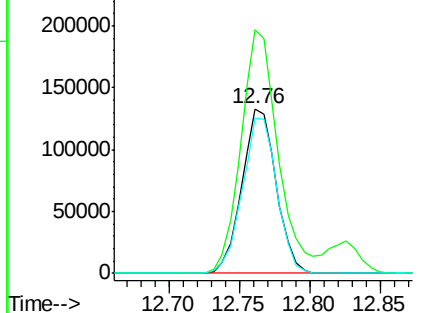
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.364 ug/l

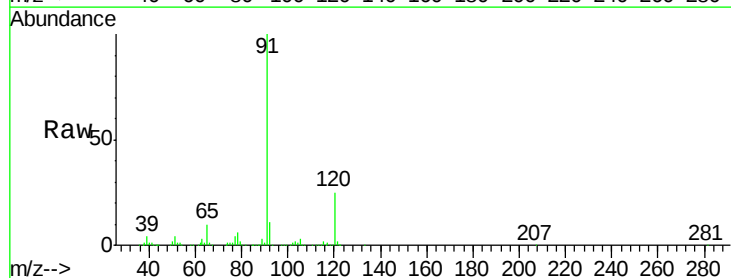
RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD067165.D

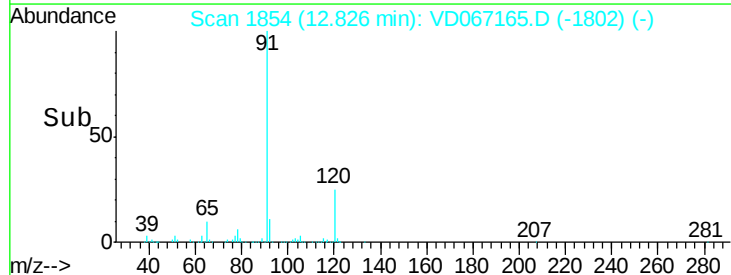
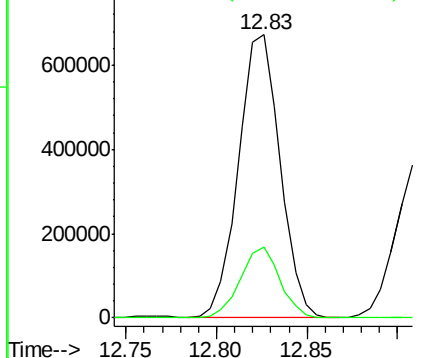
Acq: 07 Oct 2020 21:57

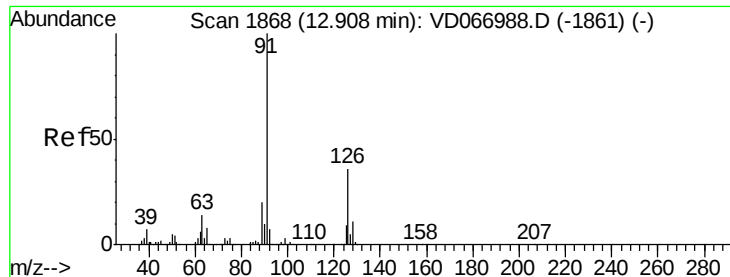
Tgt Ion:	91	Resp:	1069776
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.6	34.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





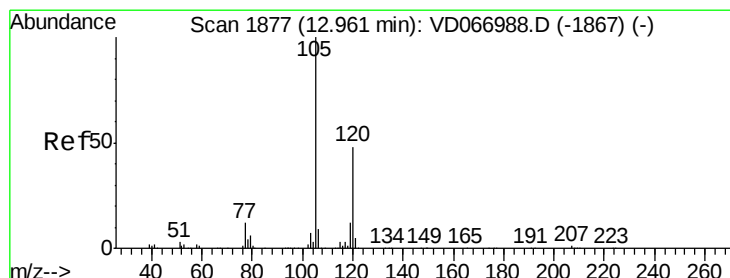
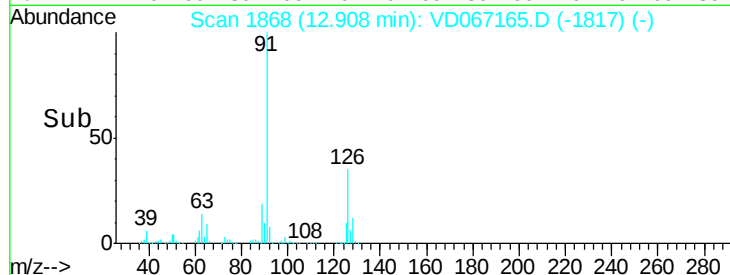
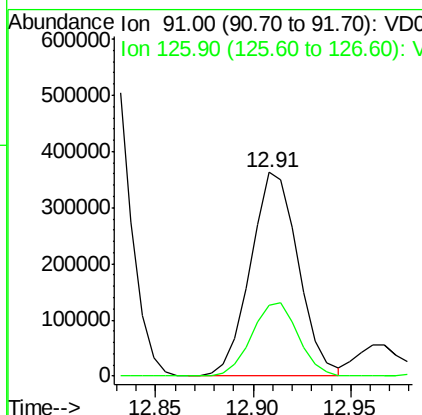
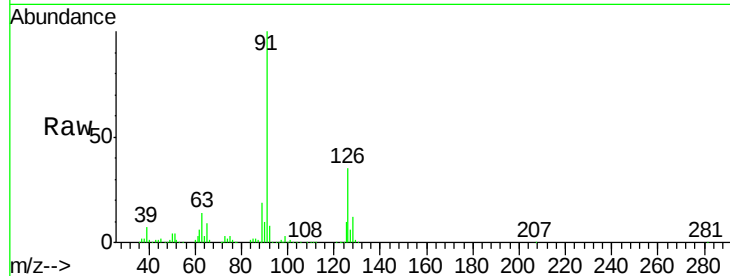
#79
2-Chlorotoluene
Concen: 51.607 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 614966
Ion Ratio Lower Upper
91 100
126 35.4 17.5 52.6

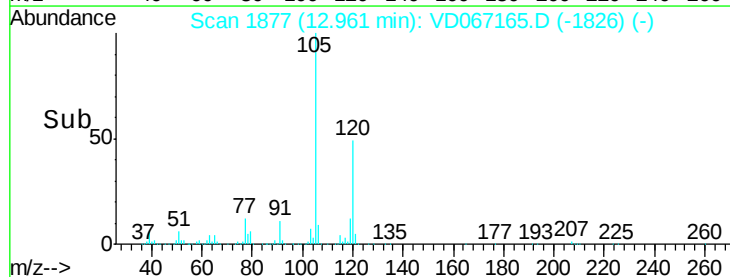
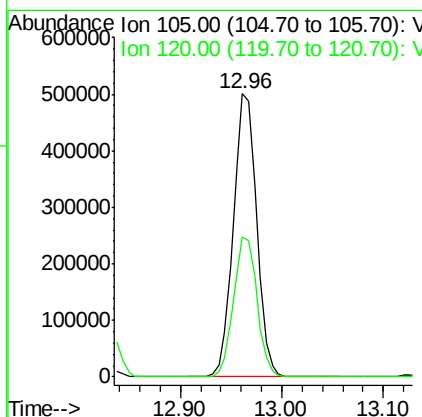
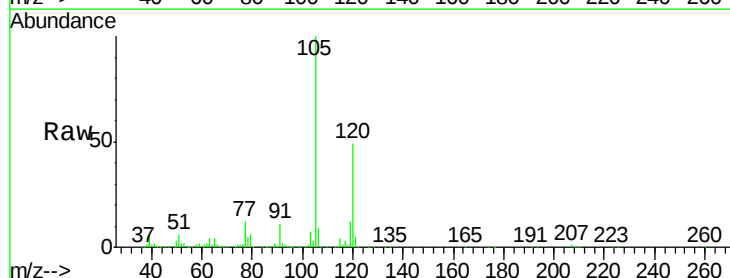
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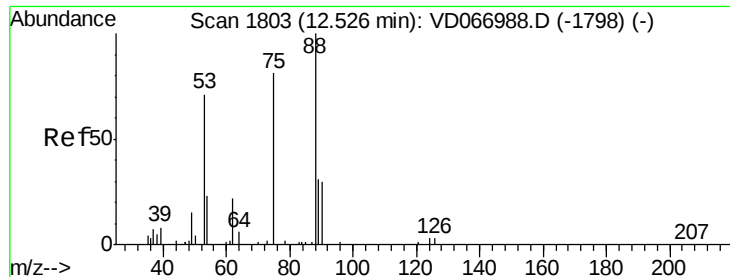
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#80
1,3,5-Trimethylbenzene
Concen: 53.661 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Tgt Ion: 105 Resp: 798983
Ion Ratio Lower Upper
105 100
120 49.8 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 49.460 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Instrument :

MSVOA_D

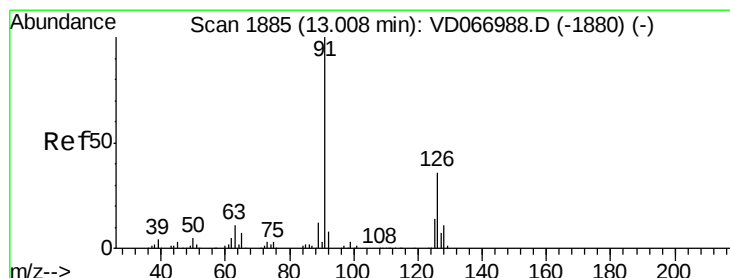
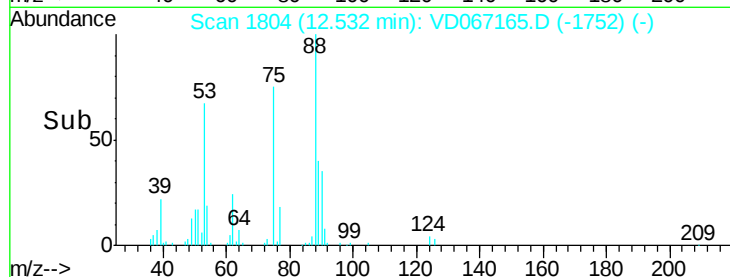
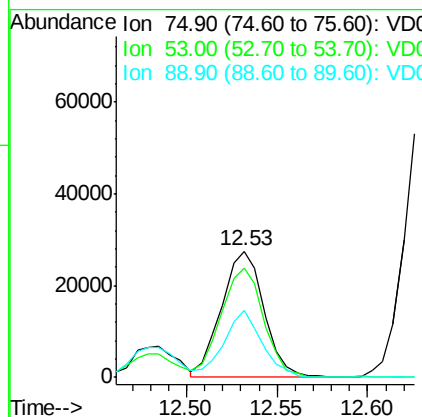
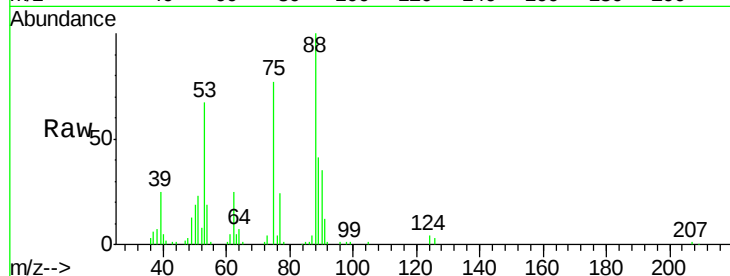
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	44849
Ion	Ratio	Lower	Upper
75	100		
53	86.4	73.8	110.6
89	47.6	38.9	58.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.692 ug/l

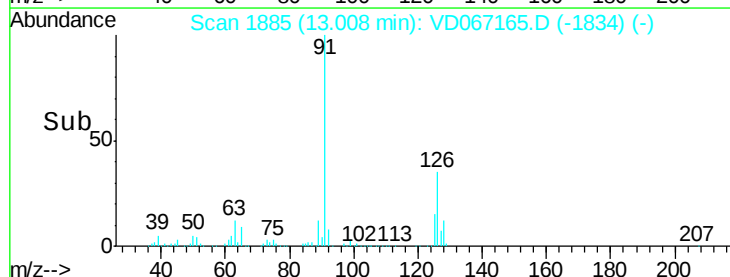
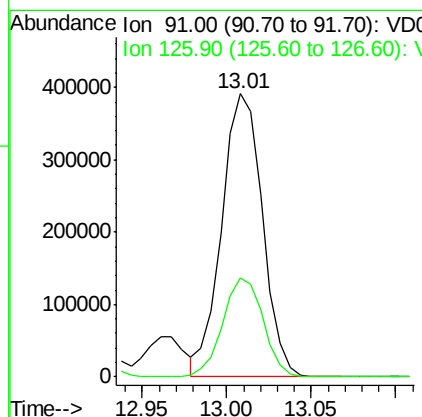
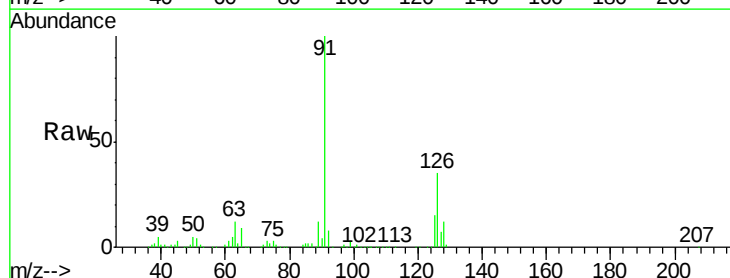
RT: 13.01 min Scan# 1885

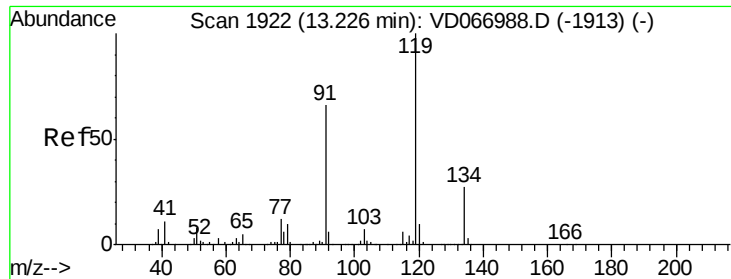
Delta R.T. 0.00 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Tgt Ion:	91	Resp:	655366
Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.5	52.5





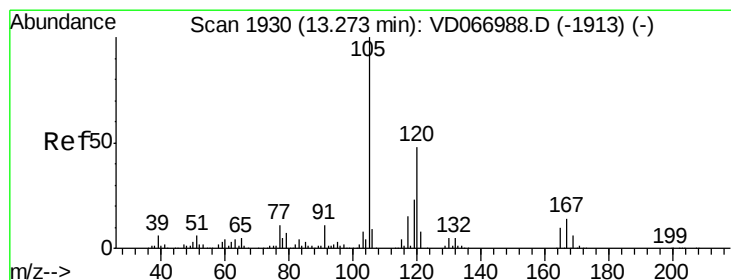
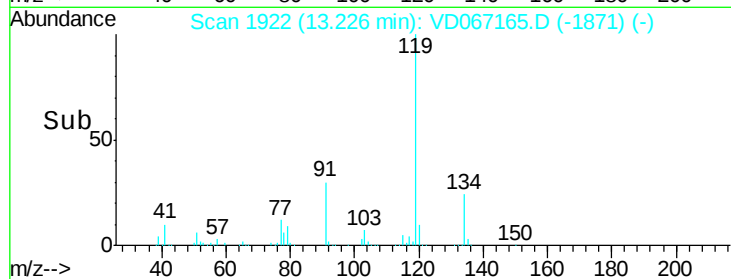
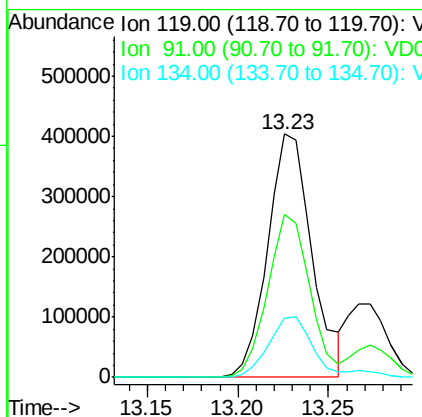
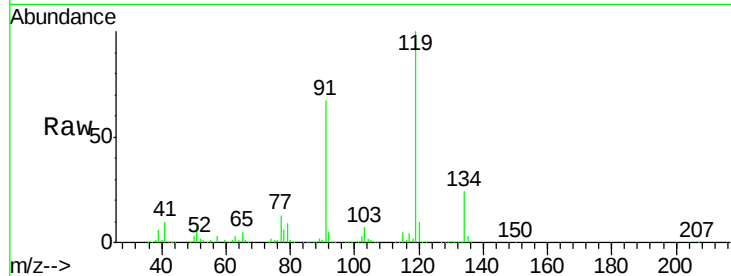
#83
tert-Butylbenzene
Concen: 54.779 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	686838		
91	63.9		32.8	98.3
134	26.4		13.9	41.7

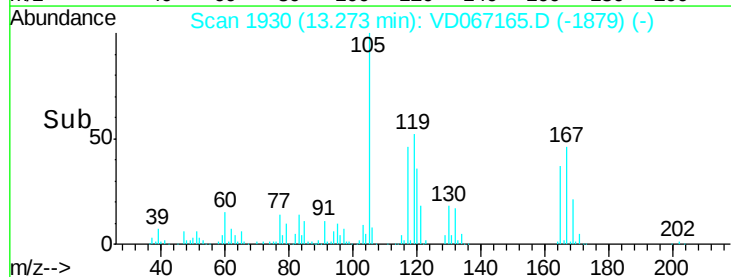
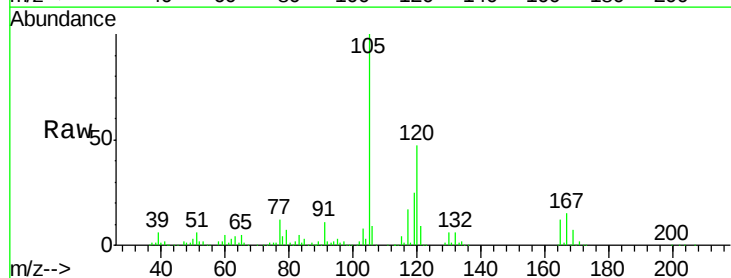
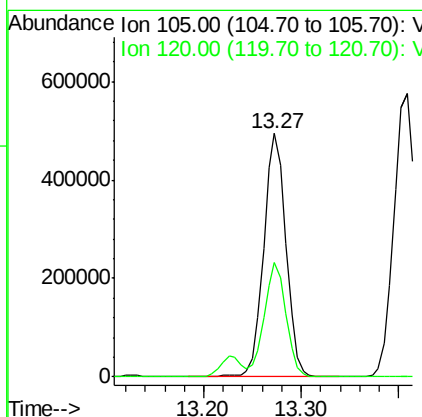
Manual Integrations
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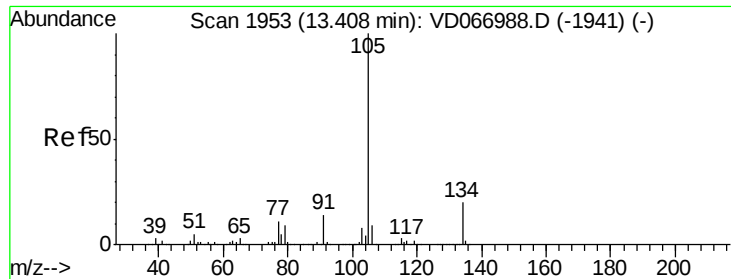
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#84
1,2,4-Trimethylbenzene
Concen: 53.323 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	792340		
120	46.0		23.3	69.8





#85

sec-Butylbenzene

Concen: 52.076 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 919524

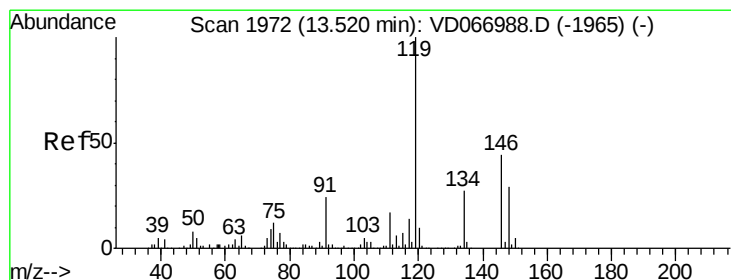
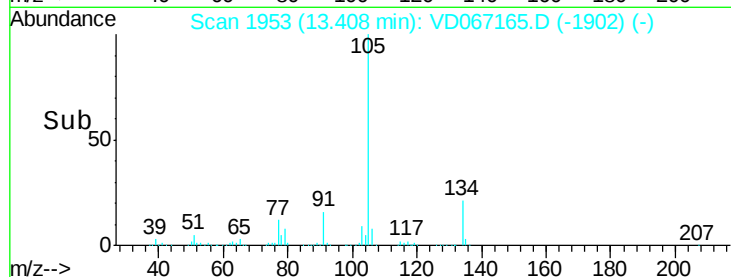
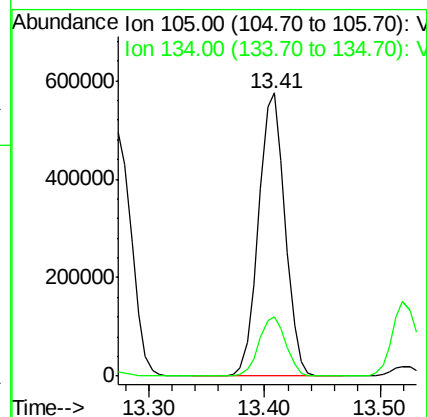
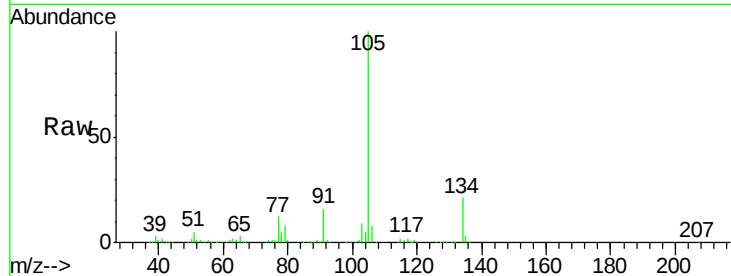
Ion Ratio Lower Upper

105 100

134 21.3 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 51.902 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

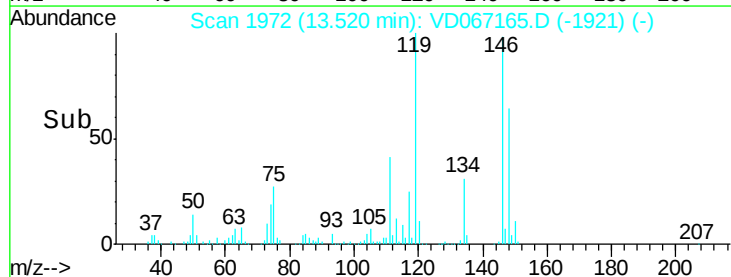
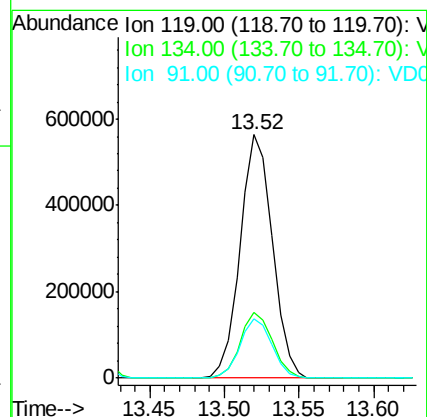
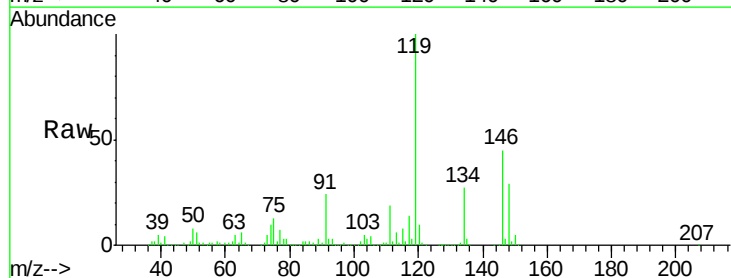
Tgt Ion:119 Resp: 849644

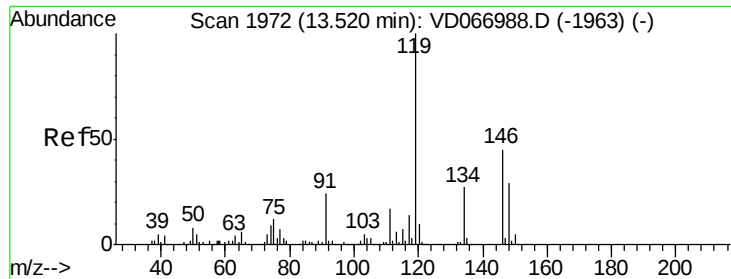
Ion Ratio Lower Upper

119 100

134 26.9 13.1 39.1

91 24.1 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 51.028 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067165.D

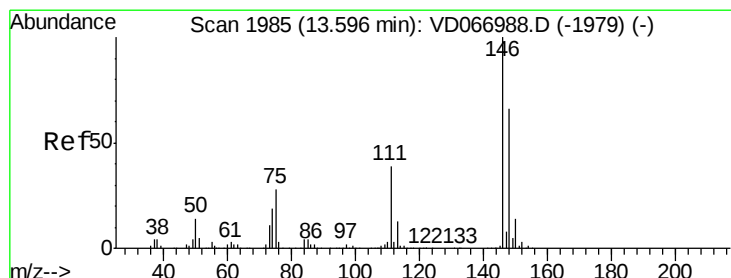
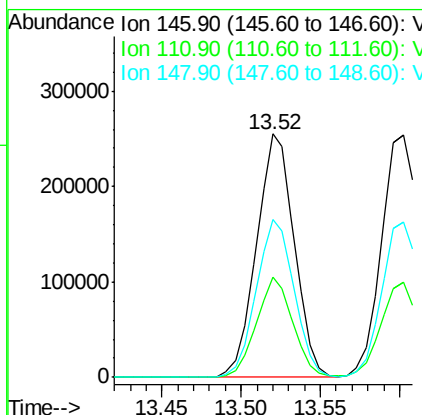
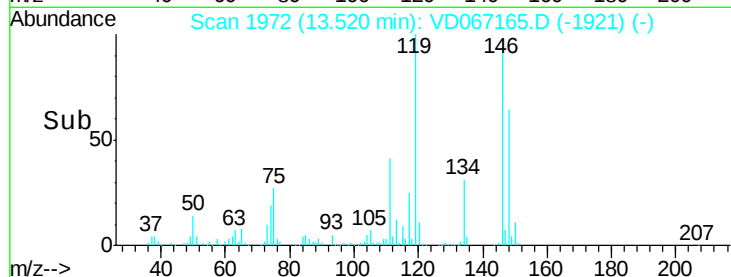
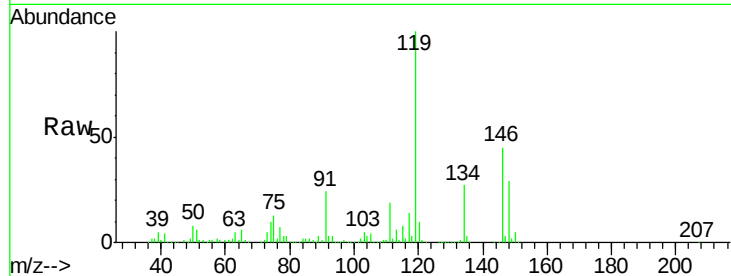
Acq: 07 Oct 2020 21:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	422956		
111	39.7	20.0	60.0	
148	64.9	31.9	95.9	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.730 ug/l

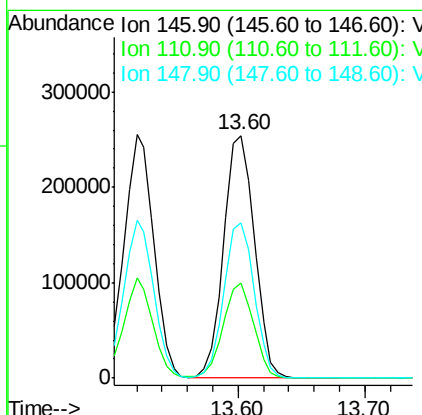
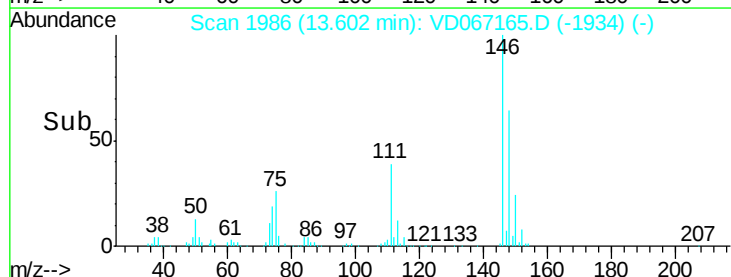
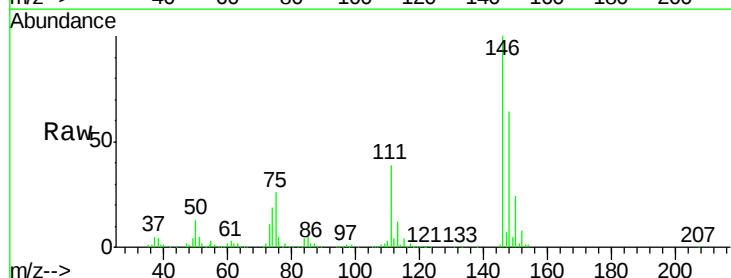
RT: 13.60 min Scan# 1986

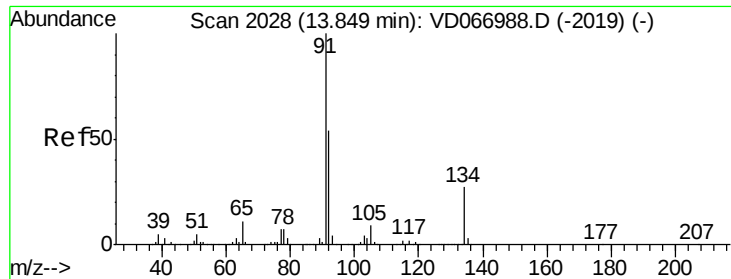
Delta R.T. 0.01 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	428726		
111	38.6	19.6	58.7	
148	63.1	32.6	97.7	





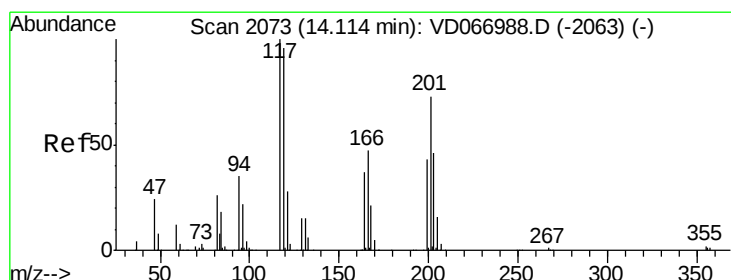
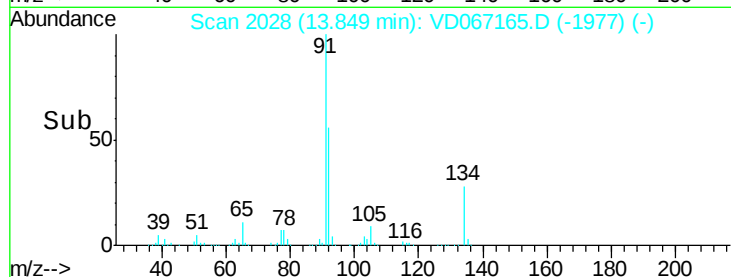
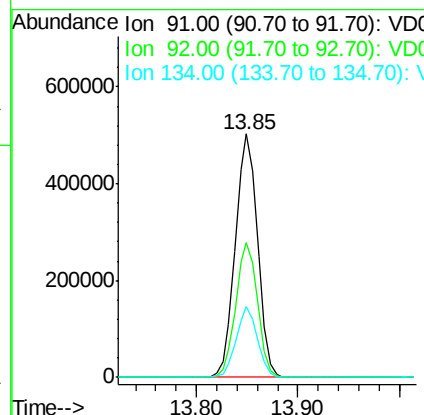
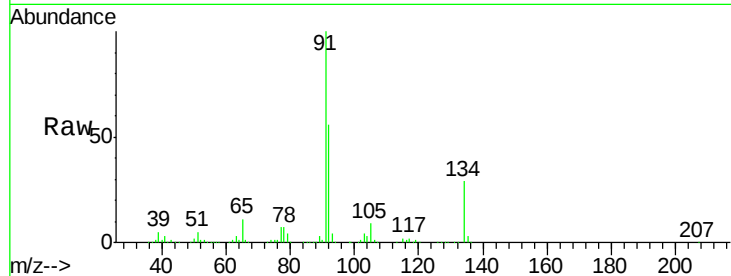
#89
n-Butylbenzene
Concen: 51.007 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.1	81.2
134	27.7	13.6	40.8

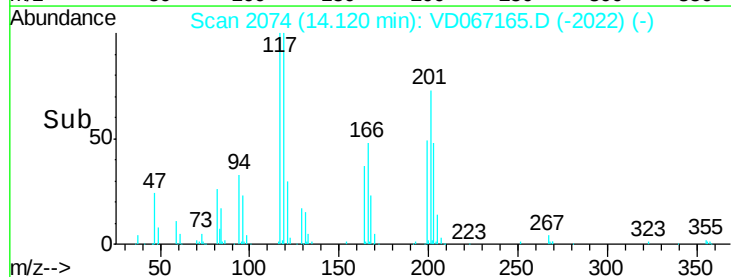
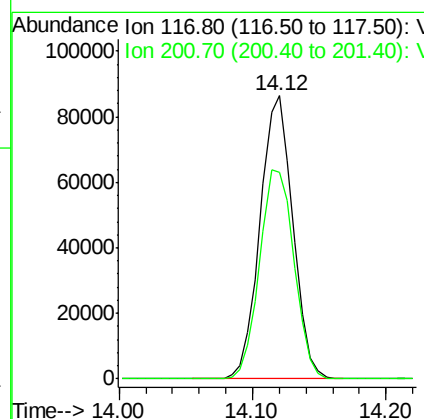
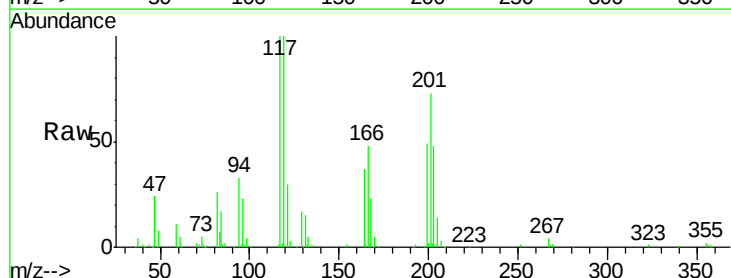
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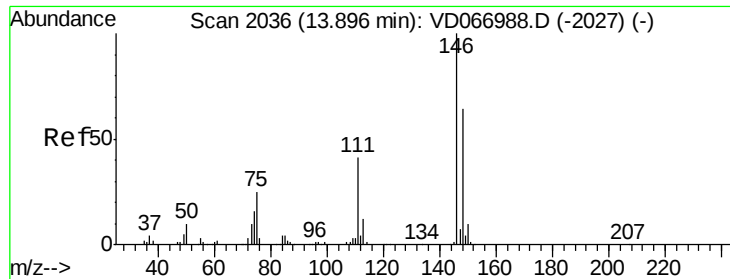
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#90
Hexachloroethane
Concen: 51.072 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067165.D
Acq: 07 Oct 2020 21:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.9	37.0	110.9





#91

1,2-Dichlorobenzene

Concen: 51.557 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Instrument :

MSVOA_D

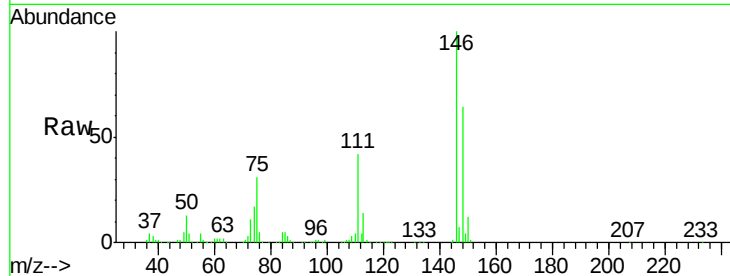
ClientSampleId :

VSTDCCC050

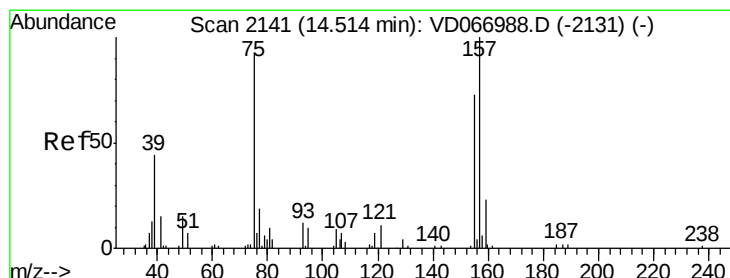
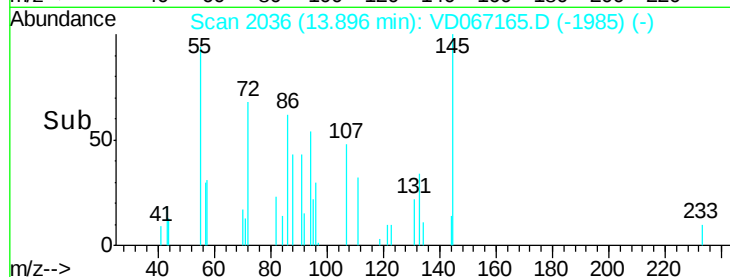
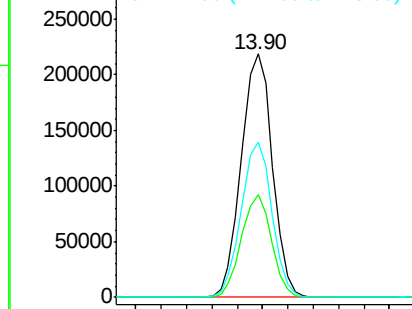
Tot Ion:	146	Resp:	373211
Ion Ratio	Lower	Upper	
146	100		
111	41.0	20.9	62.7
148	63.2	32.3	96.9

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.865 ug/l

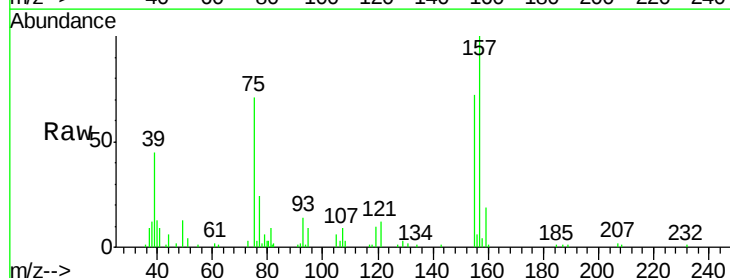
RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

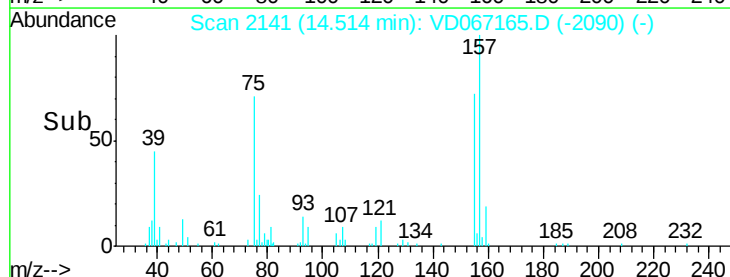
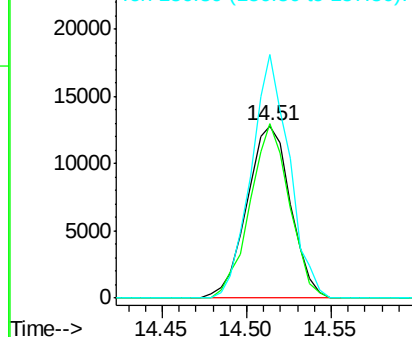
Lab File: VD067165.D

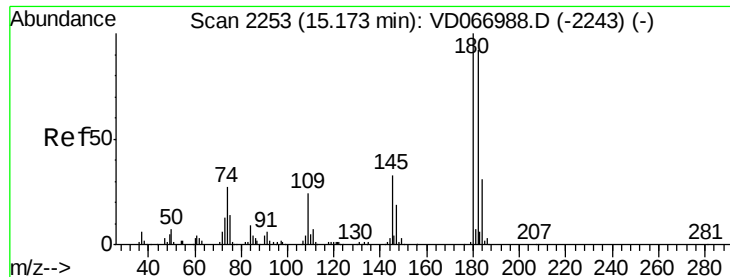
Acq: 07 Oct 2020 21:57

Tgt Ion:	75	Resp:	22910
Ion Ratio	Lower	Upper	
75	100		
155	91.9	45.2	135.6
157	123.3	56.3	168.8



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





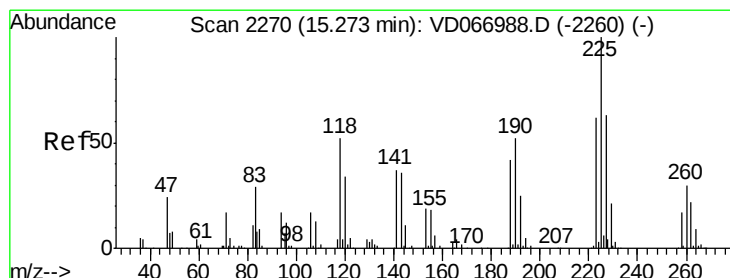
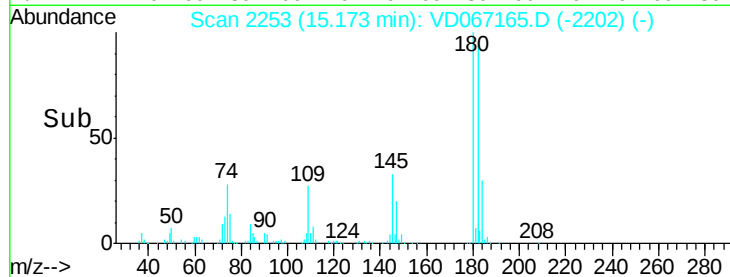
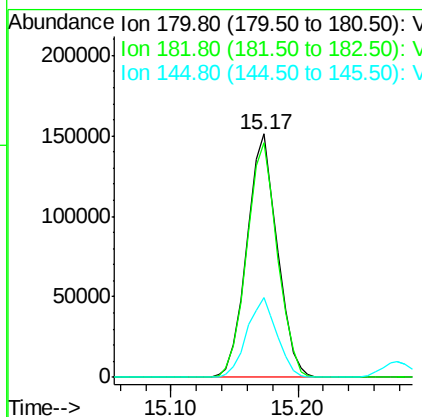
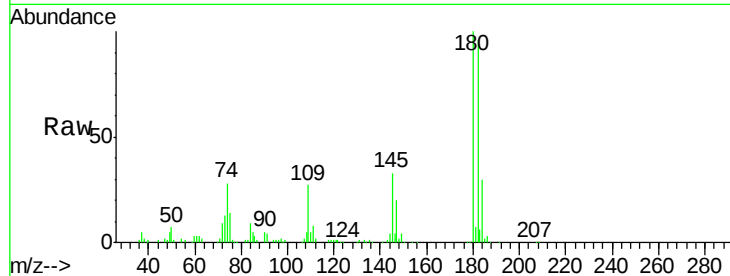
#93
 1,2,4-Trichlorobenzene
 Concen: 53.995 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067165.D
 Acq: 07 Oct 2020 21:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	252818		
182	96.6	47.3	142.0	
145	32.1	16.4	49.1	

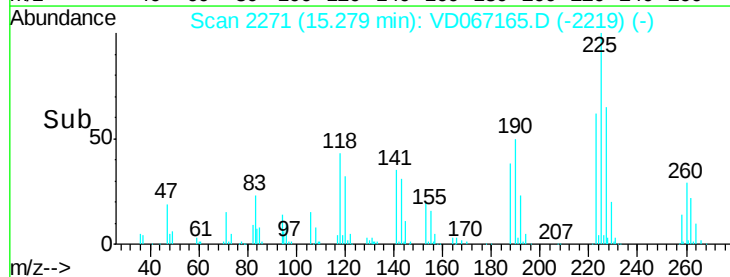
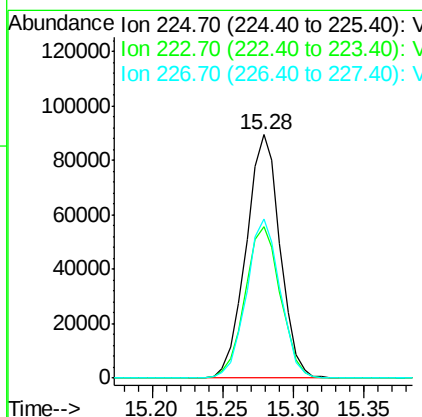
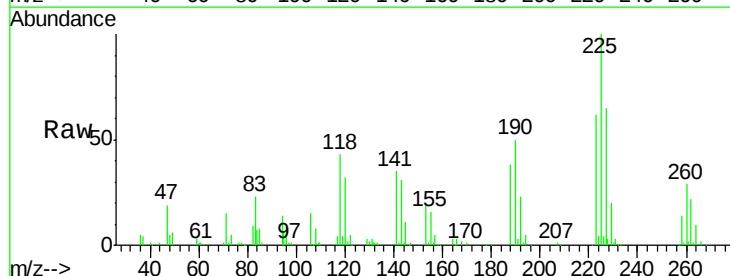
Manual Integrations
 APPROVED

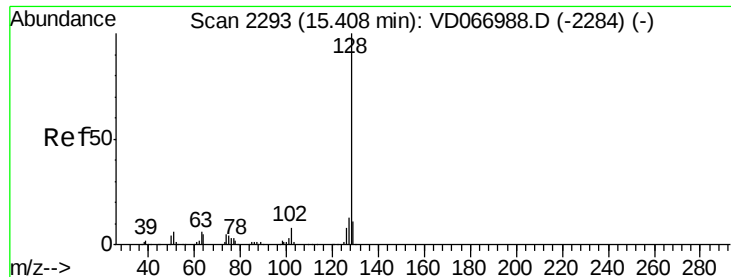
MMDadoda
 10/8/2020 5:39:35 PM



#94
 Hexachlorobutadiene
 Concen: 52.494 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067165.D
 Acq: 07 Oct 2020 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	150951		
223	64.7	32.4	97.0	
227	65.1	31.6	95.0	





#95

Naphthalene

Concen: 55.552 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Instrument :

MSVOA_D

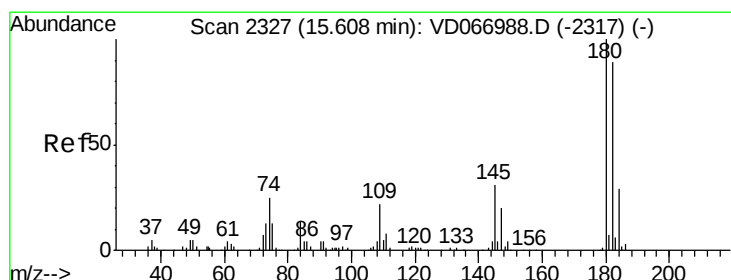
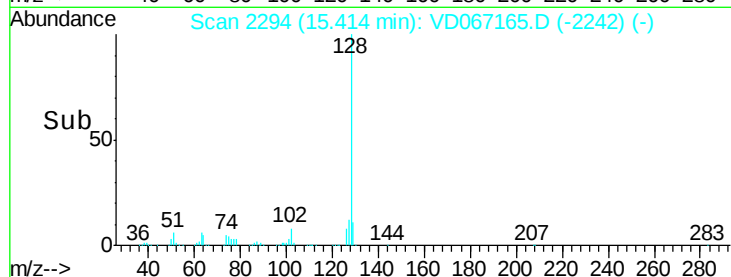
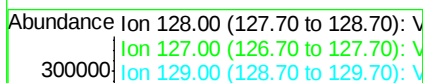
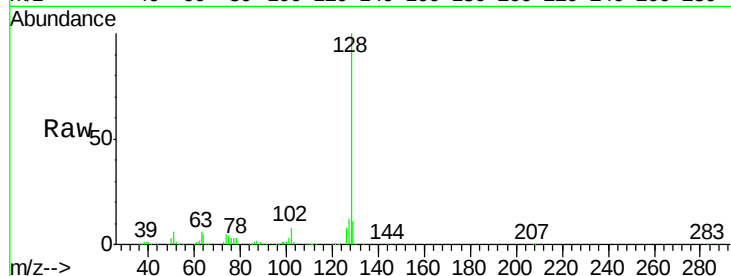
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	433852
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.5	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/8/2020 5:39:35 PM



#96

1,2,3-Trichlorobenzene

Concen: 54.760 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD067165.D

Acq: 07 Oct 2020 21:57

Tgt Ion:	180	Resp:	222581
Ion Ratio	Lower	Upper	
180	100		
182	97.2	46.4	139.1
145	34.8	16.6	49.7

