

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
 Data File : VD066036.D
 Acq On : 23 Jul 2020 20:36
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/24/2020 1:00:05 PM

Quant Time: Jul 24 04:48:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	279267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	429119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	411143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	212374	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	139629	61.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.90%	
35) Dibromofluoromethane	7.91	113	146787	56.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.80%	
50) Toluene-d8	10.34	98	545818	56.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.58%	
62) 4-Bromofluorobenzene	12.64	95	191860	57.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	92297	43.549	ug/l	95
3) Chloromethane	2.21	50	83135	48.068	ug/l	99
4) Vinyl Chloride	2.35	62	76131	46.223	ug/l	100
5) Bromomethane	2.77	94	60239	52.229	ug/l	97
6) Chloroethane	2.93	64	50572	51.436	ug/l #	86
7) Trichlorofluoromethane	3.27	101	192661	48.091	ug/l	94
8) Diethyl Ether	3.71	74	60531	54.663	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	115839	47.888	ug/l	99
10) Methyl Iodide	4.30	142	141869	56.639	ug/l	98
11) Tert butyl alcohol	5.21	59	36071	252.593	ug/l #	88
12) 1,1-Dichloroethene	4.07	96	112593	48.763	ug/l	88
13) Acrolein	3.93	56	46360	242.150	ug/l	98
14) Allyl chloride	4.71	41	185494	51.392	ug/l	94
15) Acrylonitrile	5.42	53	130058	274.918	ug/l	98
16) Acetone	4.16	43	99424	216.158	ug/l	90
17) Carbon Disulfide	4.41	76	352952	47.124	ug/l	99
18) Methyl Acetate	4.71	43	52459	49.027	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	276531	58.289	ug/l	98
20) Methylene Chloride	4.97	84	148551	58.939	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	136535	52.320	ug/l	93
22) Diisopropyl ether	6.36	45	385626	56.237	ug/l	97
23) Vinyl Acetate	6.31	43	1104268	285.544	ug/l	96
24) 1,1-Dichloroethane	6.27	63	231583	55.738	ug/l	97
25) 2-Butanone	7.21	43	154357	252.908	ug/l	99
26) 2,2-Dichloropropane	7.21	77	187198	50.103	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	150960	54.635	ug/l	99
28) Bromochloromethane	7.54	49	100931	57.235	ug/l	93
29) Tetrahydrofuran	7.56	42	100500	266.879	ug/l	97
30) Chloroform	7.71	83	249048	57.304	ug/l	99
31) Cyclohexane	7.99	56	182952	44.758	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	219450	54.587	ug/l	99
36) 1,1-Dichloropropene	8.11	75	178553	48.754	ug/l	99
37) Ethyl Acetate	7.30	43	69466	49.667	ug/l	99
38) Carbon Tetrachloride	8.10	117	198771	50.021	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	210990	47.573	ug/l	95
40) Benzene	8.36	78	535000	52.216	ug/l	97
41) Methacrylonitrile	7.52	41	51138m	63.825	ug/l	
42) 1,2-Dichloroethane	8.43	62	155288	55.309	ug/l	99
43) Isopropyl Acetate	8.46	43	141439	51.776	ug/l	100
44) Trichloroethene	9.11	130	161573	52.111	ug/l	97
45) 1,2-Dichloropropane	9.39	63	132532	53.408	ug/l	99
46) Dibromomethane	9.47	93	72995	54.643	ug/l	96
47) Bromodichloromethane	9.67	83	195391	55.318	ug/l	97
48) Methyl methacrylate	9.46	41	68993	50.069	ug/l	88
49) 1,4-Dioxane	9.46	88	15483	1000.411	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	365683	265.679	ug/l	100
52) Toluene	10.41	92	360525	53.956	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	182862	55.569	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	220364	55.244	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	100001	52.783	ug/l	93
56) Ethyl methacrylate	10.67	69	125744	57.085	ug/l	98
57) 1,3-Dichloropropane	10.95	76	175330	55.902	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	259923	247.014	ug/l	98
59) 2-Hexanone	10.99	43	244920	256.775	ug/l	95
60) Dibromochloromethane	11.14	129	143162	56.043	ug/l	100
61) 1,2-Dibromoethane	11.25	107	102977	56.372	ug/l	100
64) Tetrachloroethene	10.88	164	144500	51.781	ug/l	94
65) Chlorobenzene	11.67	112	404540	53.739	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	154170	55.465	ug/l	99
67) Ethyl Benzene	11.75	91	688337	53.134	ug/l	99
68) m/p-Xylenes	11.86	106	532265	106.896	ug/l	98
69) o-Xylene	12.18	106	253415	55.956	ug/l	100
70) Styrene	12.20	104	438358	56.335	ug/l	99
71) Bromoform	12.37	173	87674	53.848	ug/l #	97
73) Isopropylbenzene	12.48	105	681126	53.003	ug/l	100
74) N-amyl acetate	12.30	43	138178	51.859	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	109691	51.649	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	79502m	49.718	ug/l	
77) Bromobenzene	12.77	156	173887	52.947	ug/l	95
78) n-propylbenzene	12.83	91	779538	52.276	ug/l	100
79) 2-Chlorotoluene	12.91	91	446238	52.379	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	577061	54.657	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	35571	51.044	ug/l	97
82) 4-Chlorotoluene	13.01	91	476358	52.974	ug/l	100
83) tert-Butylbenzene	13.23	119	498997	54.011	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	577511	55.444	ug/l	98
85) sec-Butylbenzene	13.41	105	661067	51.948	ug/l	100
86) p-Isopropyltoluene	13.52	119	625541	54.108	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	328146	53.817	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	325345	52.780	ug/l	99
89) n-Butylbenzene	13.85	91	555406	51.667	ug/l	99
90) Hexachloroethane	14.12	117	127462	53.258	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	287416	54.397	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17729	50.936	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	207671	54.757	ug/l	100
94) Hexachlorobutadiene	15.27	225	121086	51.642	ug/l	98
95) Naphthalene	15.41	128	342894	50.781	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	184386	55.924	ug/l	99

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

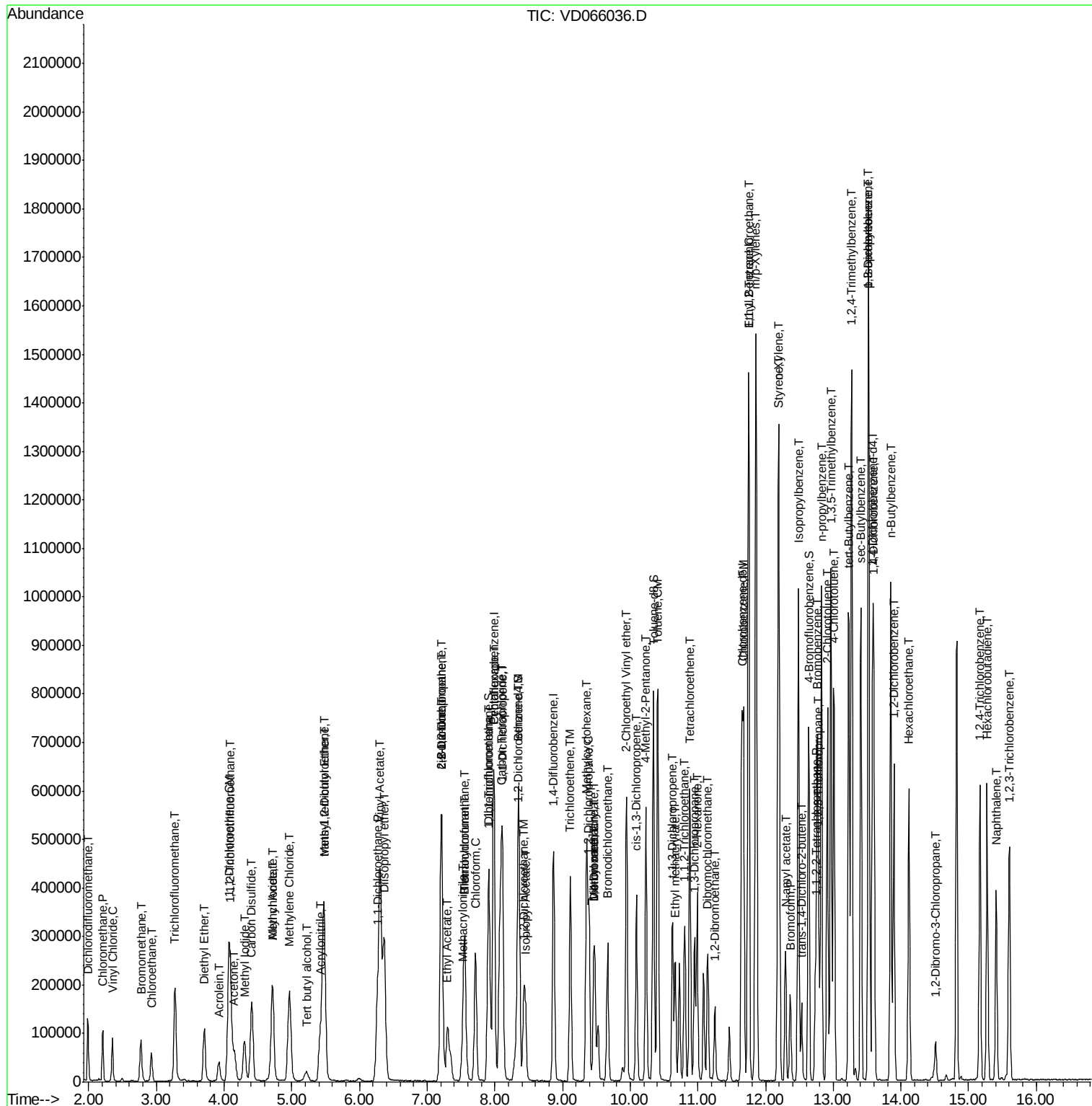
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Data File : VD066036.D
Acq On : 23 Jul 2020 20:36
Operator : VA/SY
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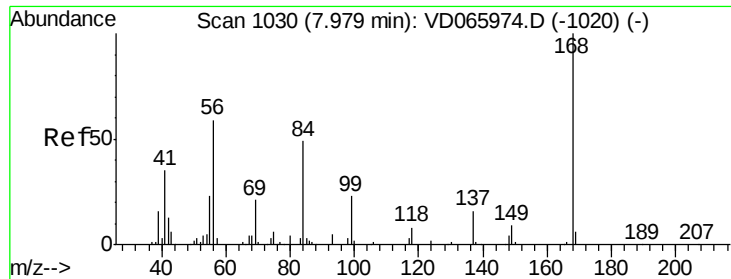
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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MMDadoda
7/24/2020 1:00:05 PM

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 279267

Ion Ratio Lower Upper

168 100

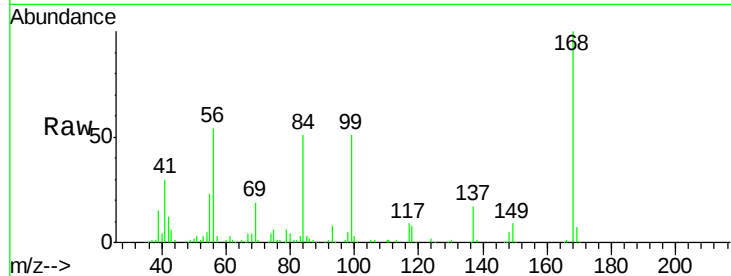
99 51.1 40.8 61.2

Manual Integrations

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7/24/2020 1:00:05 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

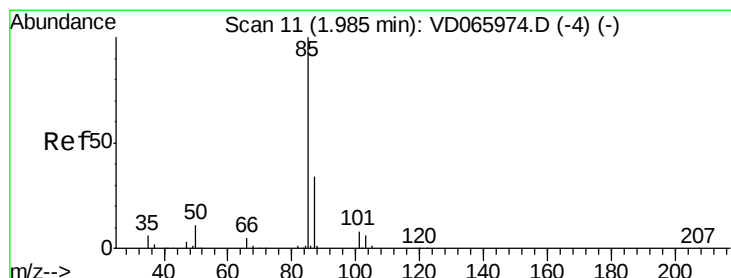
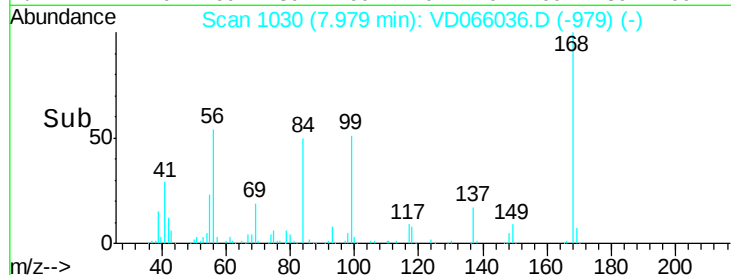
7.98

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.549 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066036.D

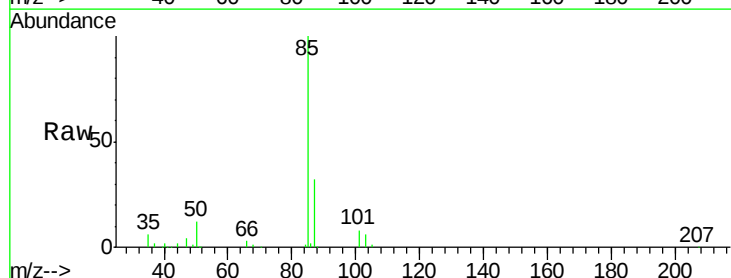
Acq: 23 Jul 2020 20:36

Tgt Ion: 85 Resp: 92297

Ion Ratio Lower Upper

85 100

87 31.7 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

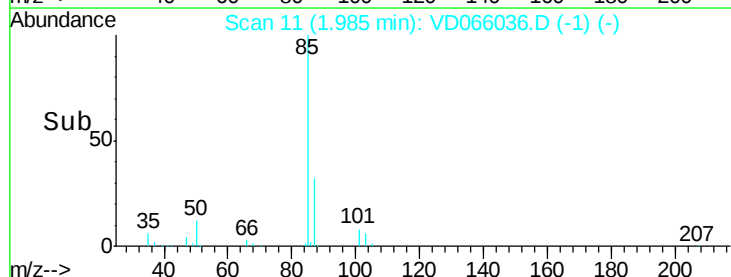
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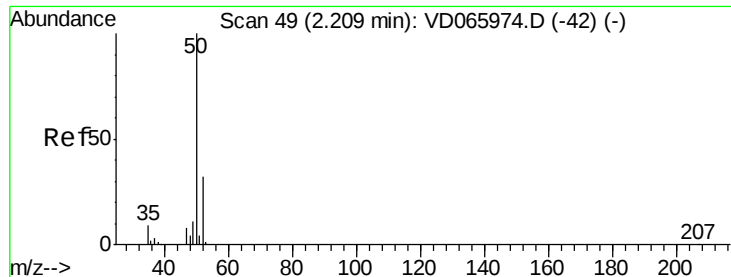
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20000

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Time-->





#3

Chloromethane

Concen: 48.068 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 83135

Ion Ratio Lower Upper

50 100

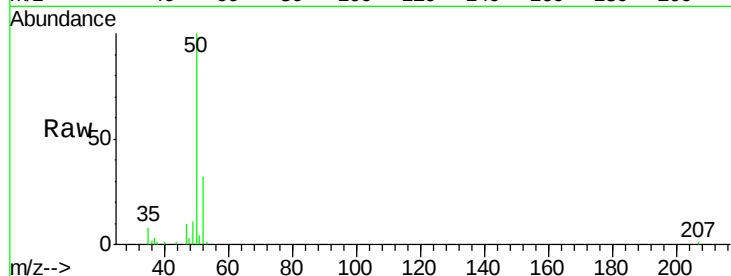
52 31.7 25.8 38.8

Manual Integrations

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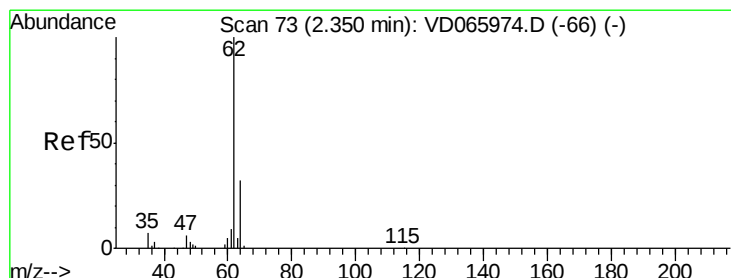
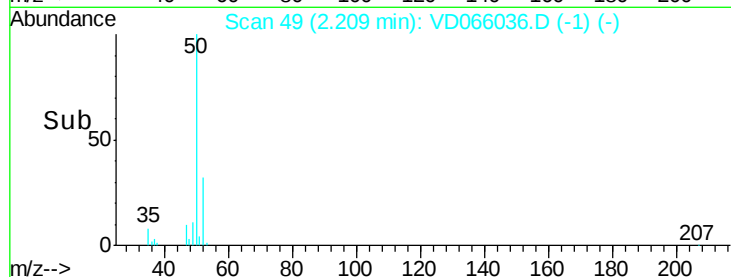
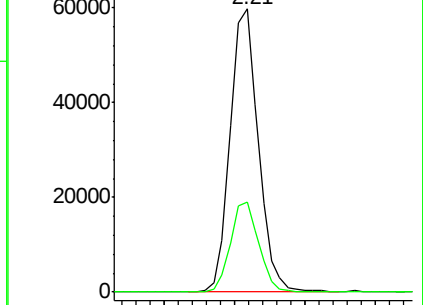
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.223 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066036.D

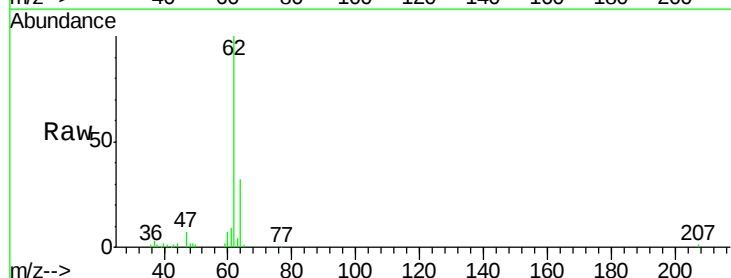
Acq: 23 Jul 2020 20:36

Tgt Ion: 62 Resp: 76131

Ion Ratio Lower Upper

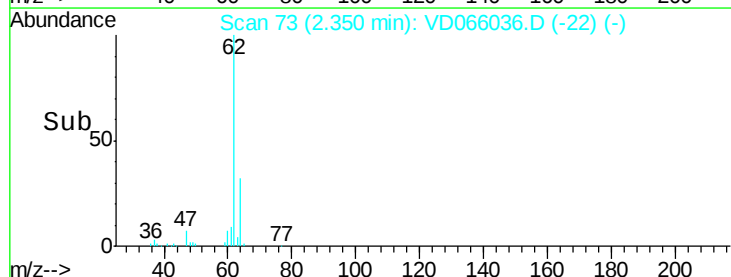
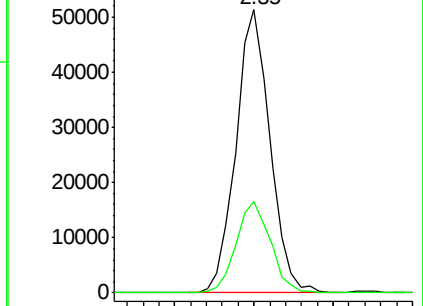
62 100

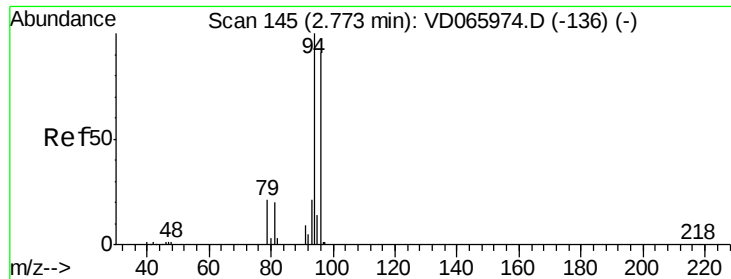
64 32.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 52.229 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 60239

Ion Ratio Lower Upper

94 100

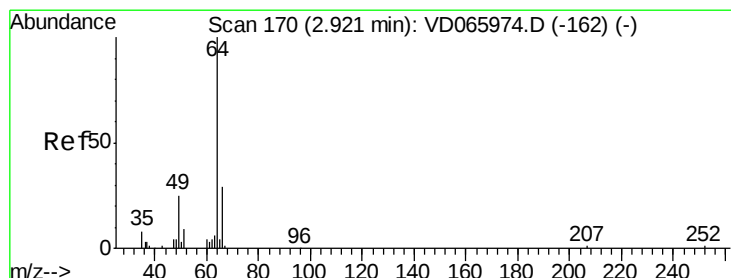
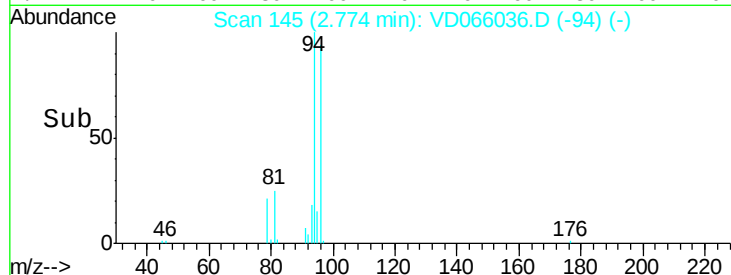
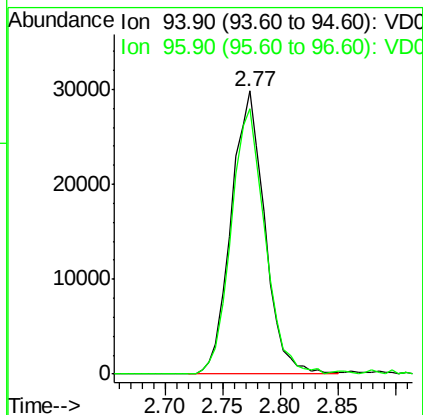
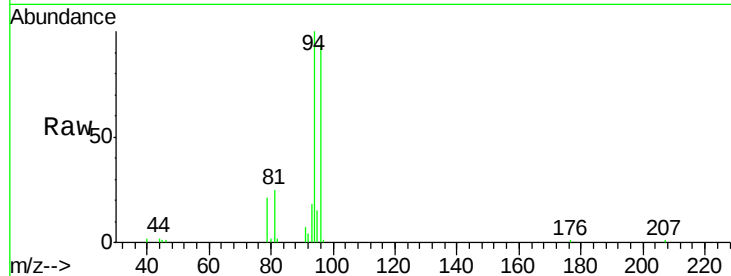
96 94.0 73.0 109.4

Manual Integrations

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#6

Chloroethane

Concen: 51.436 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD066036.D

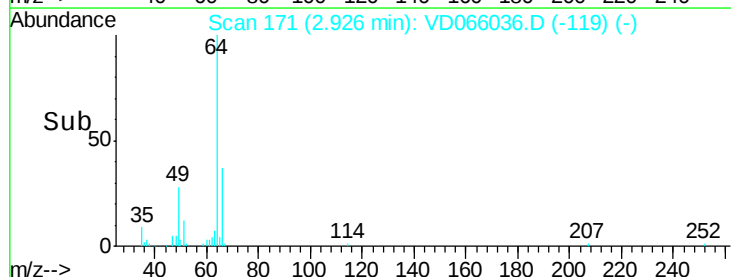
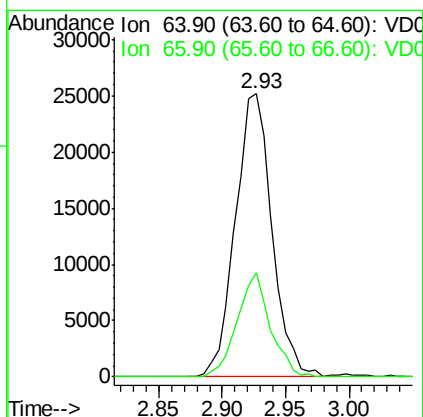
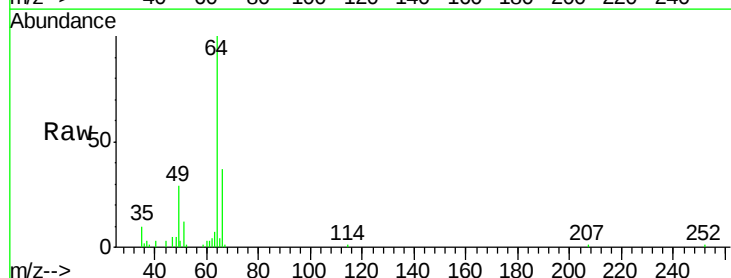
Acq: 23 Jul 2020 20:36

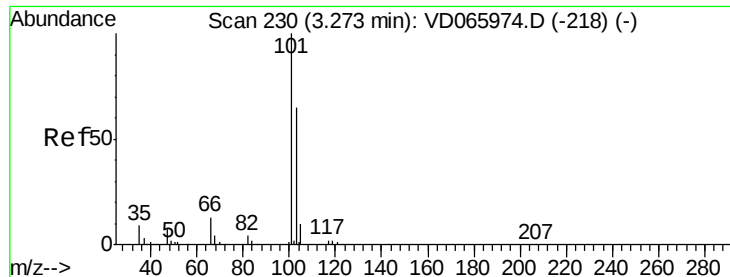
Tgt Ion: 64 Resp: 50572

Ion Ratio Lower Upper

64 100

66 36.7 23.4 35.0#





#7

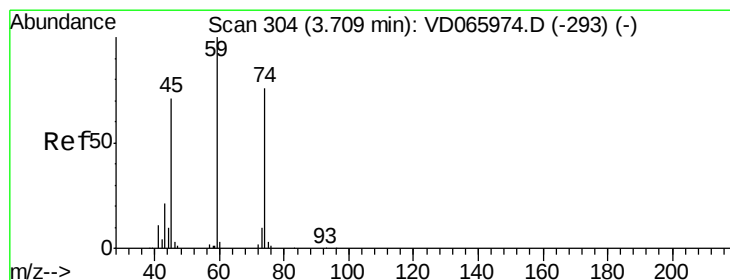
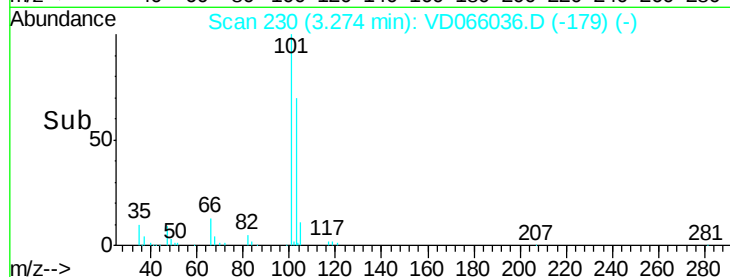
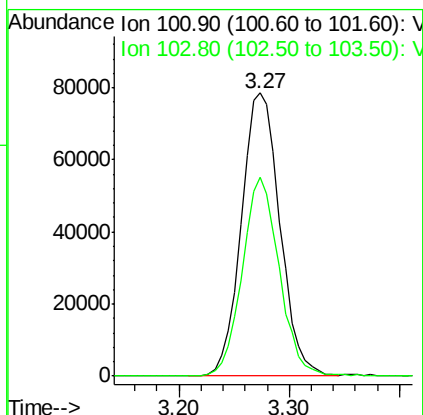
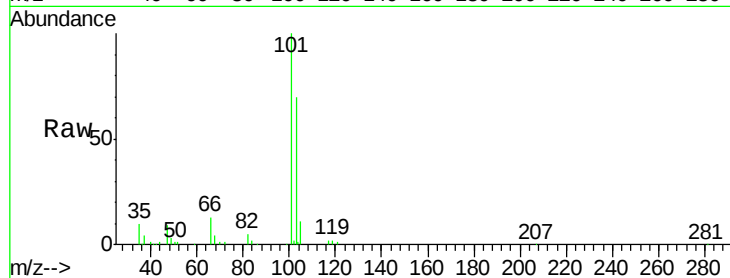
Trichlorofluoromethane
 Concen: 48.091 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD066036.D
 Acq: 23 Jul 2020 20:36

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Tot Ion	Ratio	Lower	Upper
101	100		
103	70.2	52.1	78.1

Manual Integrations
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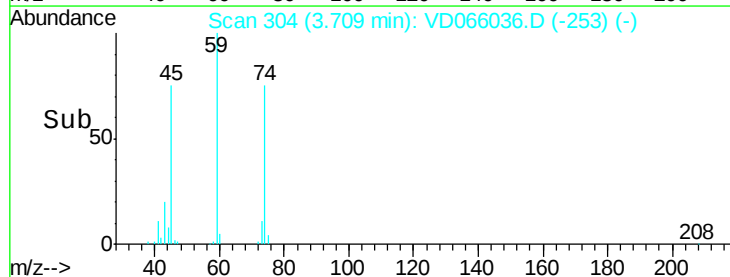
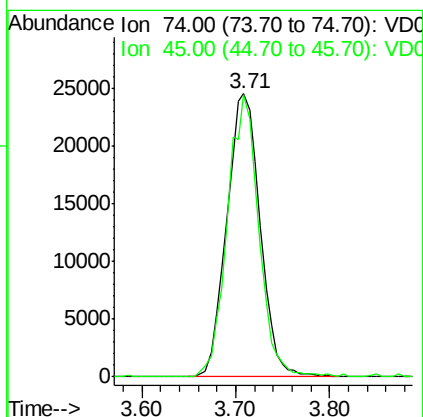
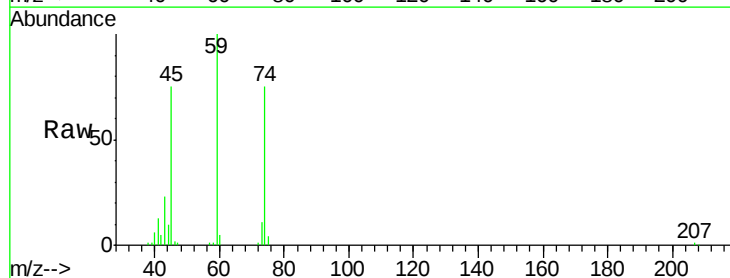
MMDadoda
 7/24/2020 1:00:05 PM

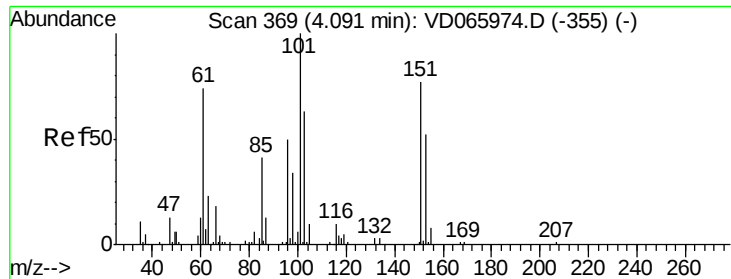


#8

Diethyl Ether
 Concen: 54.663 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066036.D
 Acq: 23 Jul 2020 20:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.7	49.9	149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.888 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Instrument :

MSVOA_D

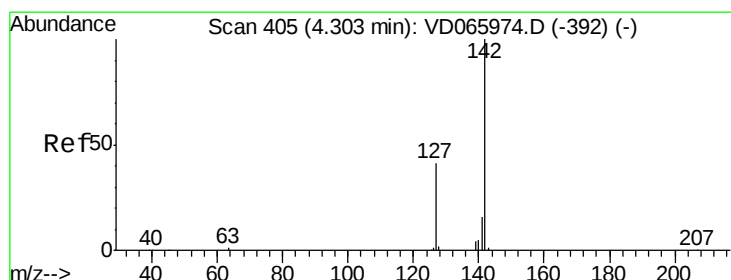
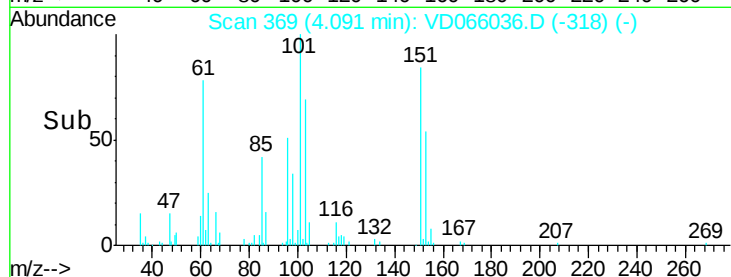
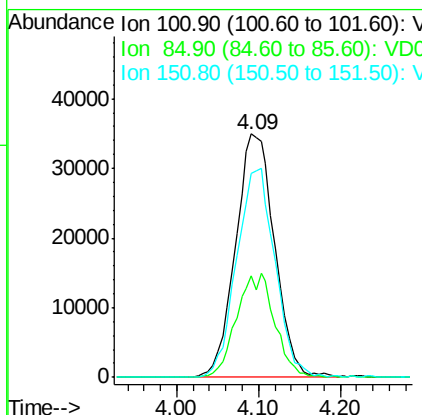
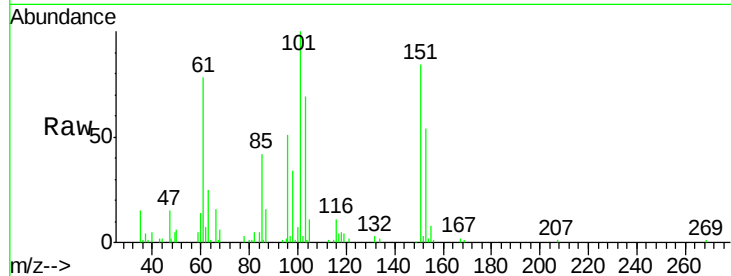
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	115839
Ion Ratio	Lower	Upper	
101	100		
85	41.8	33.6	50.4
151	84.4	66.6	99.8

Manual Integrations
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7/24/2020 1:00:05 PM



#10

Methyl Iodide

Concen: 56.639 ug/l

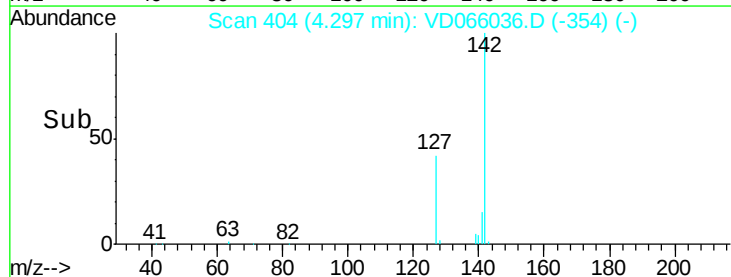
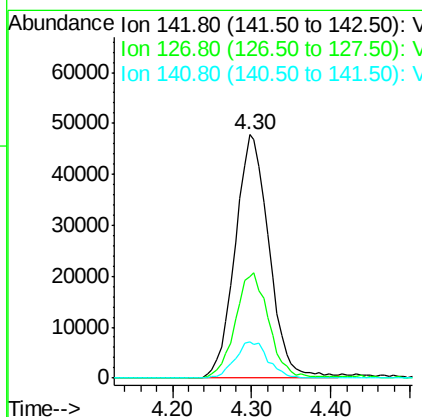
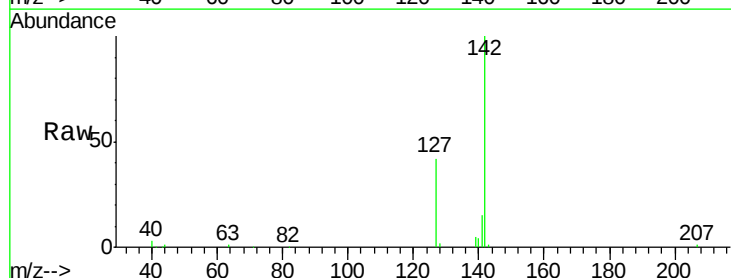
RT: 4.30 min Scan# 404

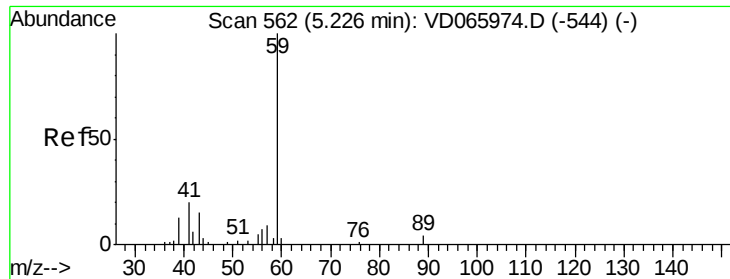
Delta R.T. -0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Tgt Ion:	142	Resp:	141869
Ion Ratio	Lower	Upper	
142	100		
127	42.6	32.9	49.3
141	14.6	11.8	17.6





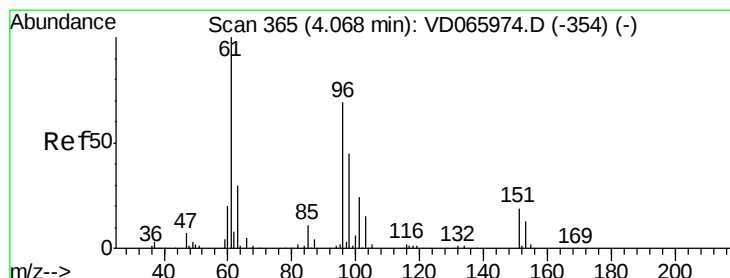
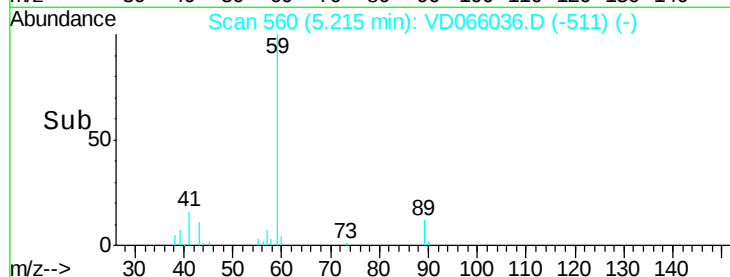
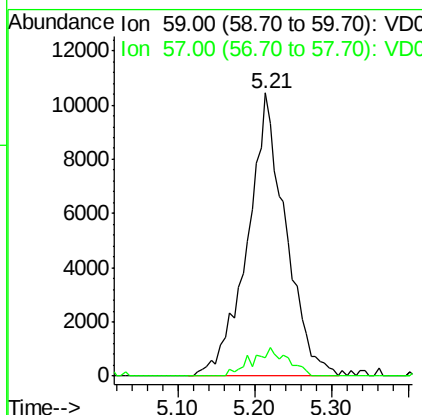
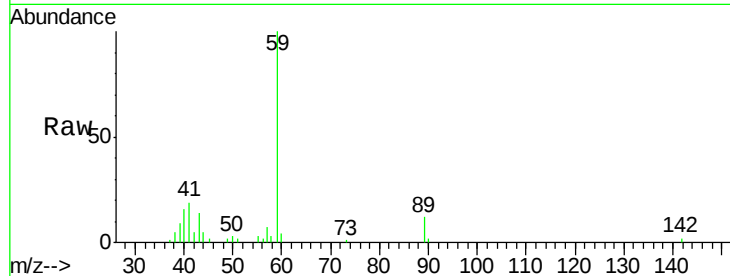
#11
Tert butyl alcohol
Concen: 252.593 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 36071
Ion Ratio Lower Upper
59 100
57 9.5 4.5 6.7#

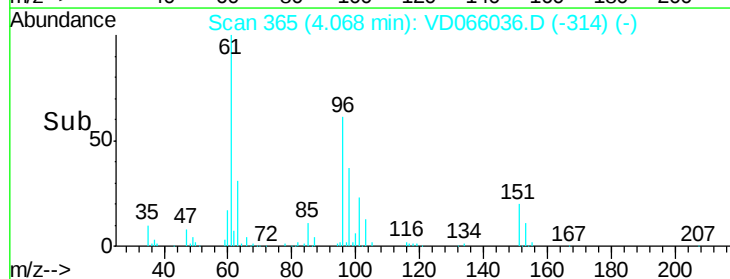
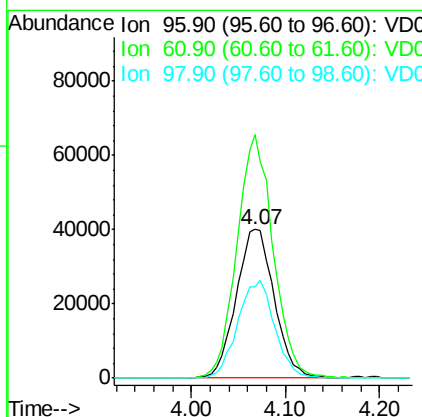
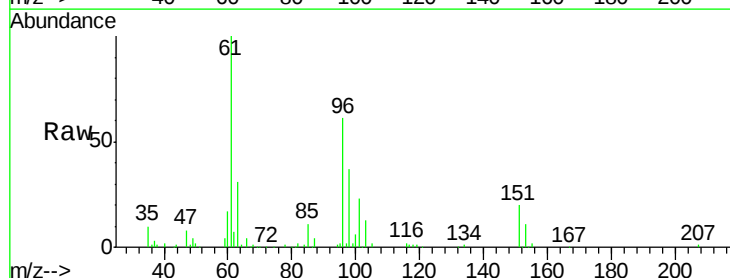
Manual Integrations
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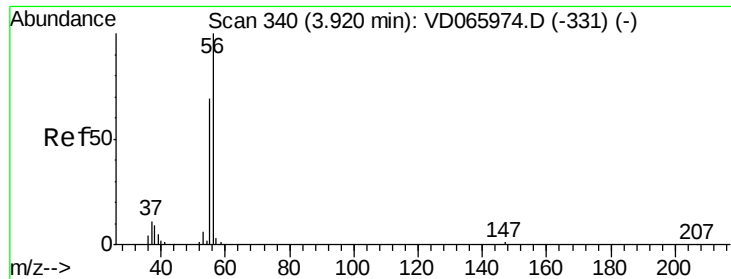
MMDadoda
7/24/2020 1:00:05 PM



#12
1,1-Dichloroethene
Concen: 48.763 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Tgt Ion: 96 Resp: 112593
Ion Ratio Lower Upper
96 100
61 163.7 115.4 173.0
98 61.0 51.5 77.3





#13

Acrolein

Concen: 242.150 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 46360

Ion Ratio Lower Upper

56 100

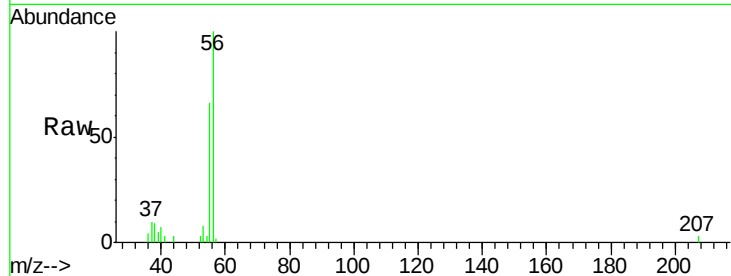
55 71.5 55.8 83.8

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

3.93

20000

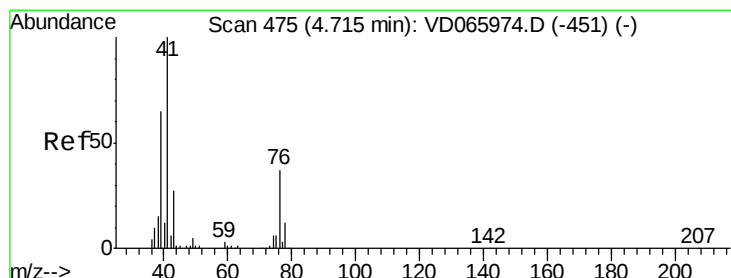
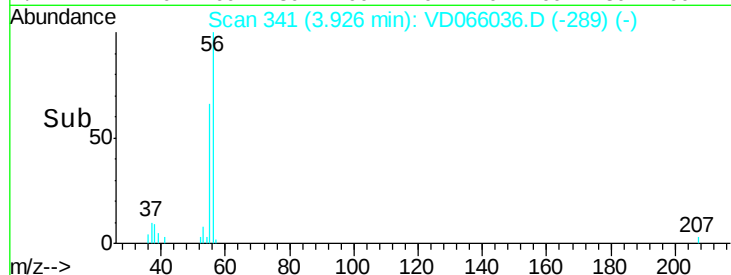
15000

10000

5000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 51.392 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

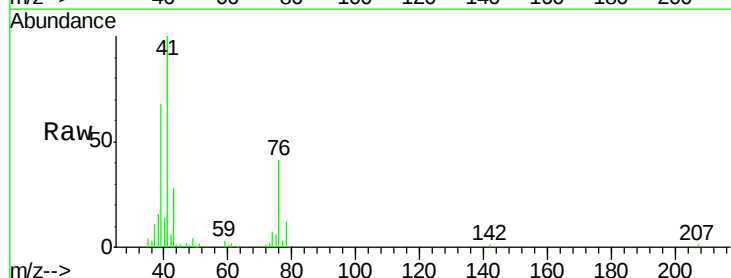
Tgt Ion: 41 Resp: 185494

Ion Ratio Lower Upper

41 100

39 72.1 53.4 80.2

76 39.4 29.1 43.7



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

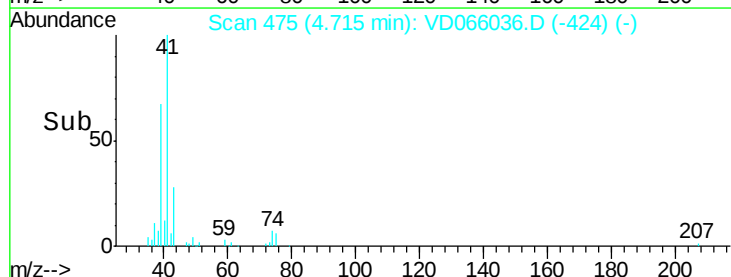
60000

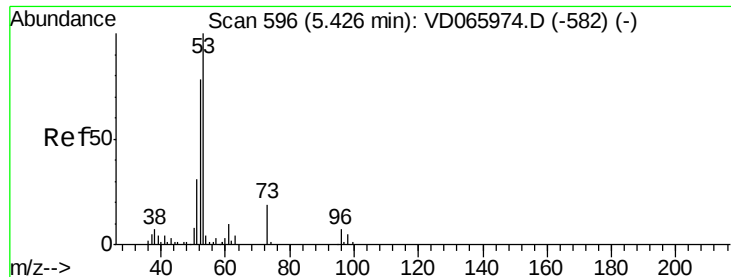
40000

20000

0

Time--> 4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 274.918 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Instrument :

MSVOA_D

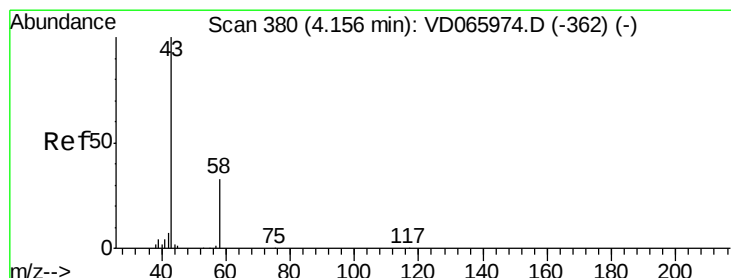
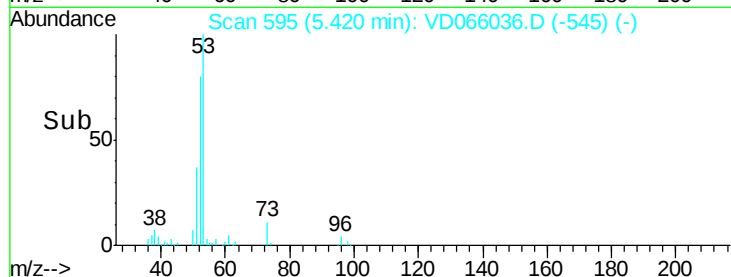
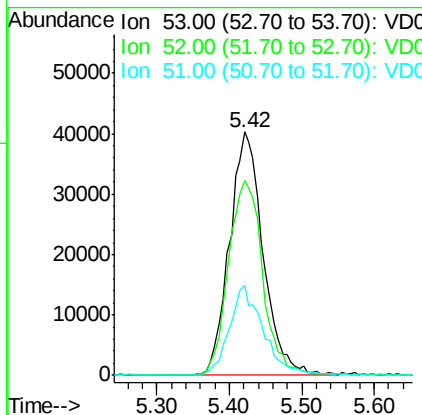
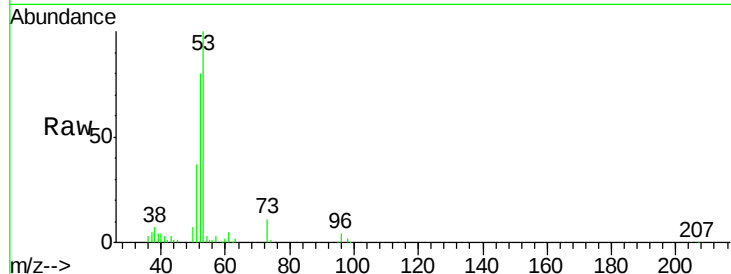
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	130058
Ion	Ratio	Lower	Upper
53	100		
52	81.6	67.1	100.7
51	37.0	28.7	43.1

Manual Integrations
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7/24/2020 1:00:05 PM



#16

Acetone

Concen: 216.158 ug/l

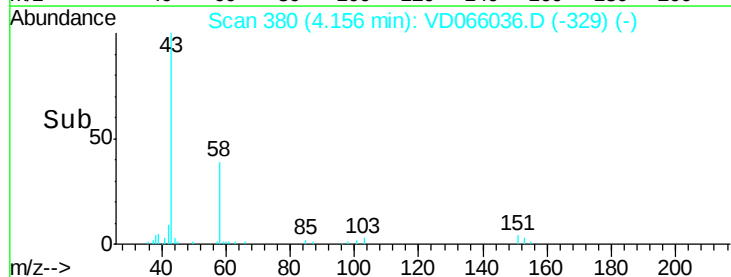
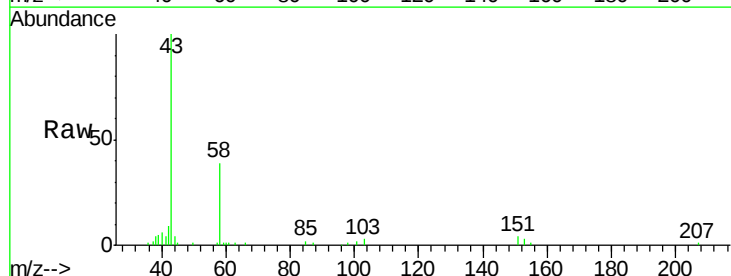
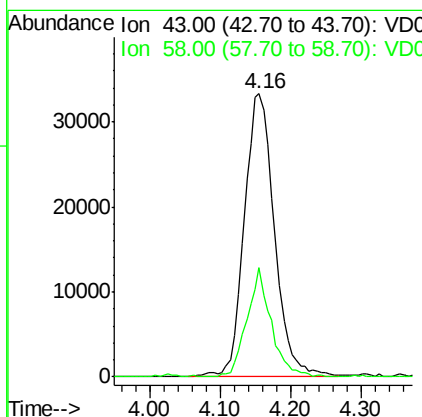
RT: 4.16 min Scan# 380

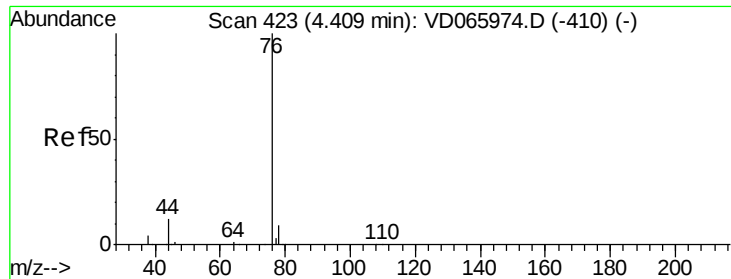
Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Tgt Ion:	43	Resp:	99424
Ion	Ratio	Lower	Upper
43	100		
58	38.8	26.3	39.5





#17

Carbon Disulfide

Concen: 47.124 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 352952

Ion Ratio Lower Upper

76 100

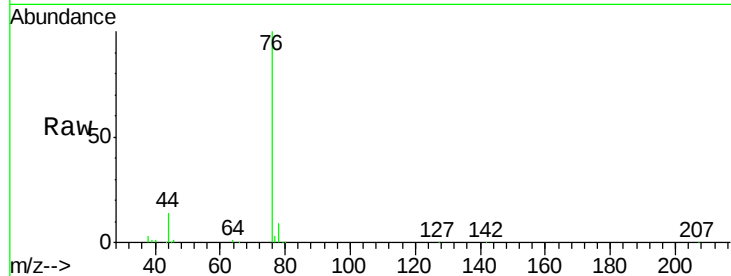
78 9.1 7.4 11.2

Manual Integrations

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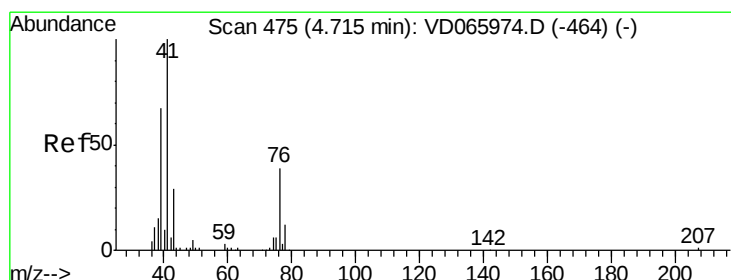
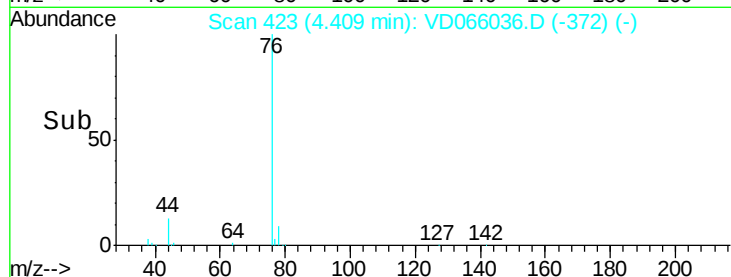
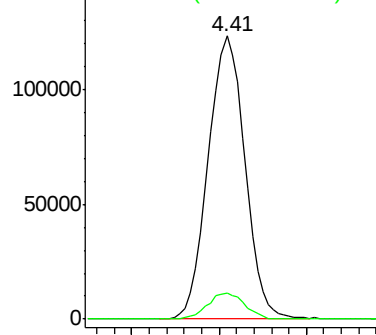
MMDadoda

7/24/2020 1:00:05 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 49.027 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066036.D

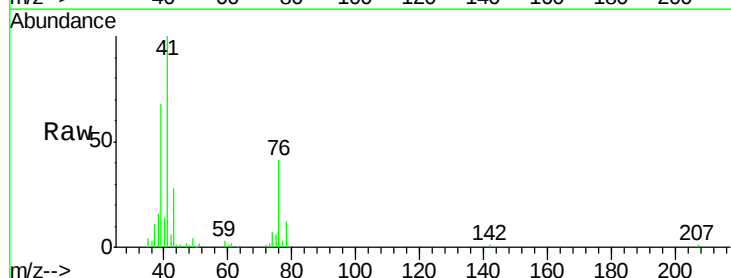
Acq: 23 Jul 2020 20:36

Tgt Ion: 43 Resp: 52459

Ion Ratio Lower Upper

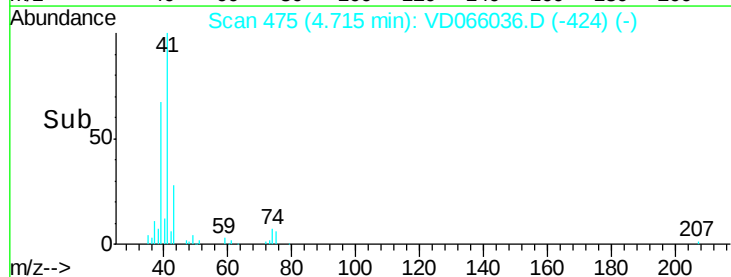
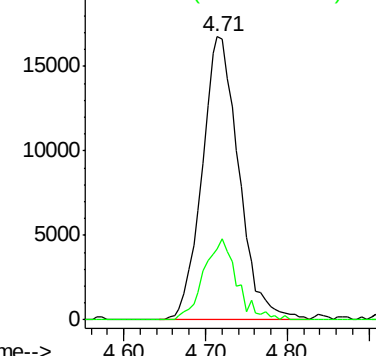
43 100

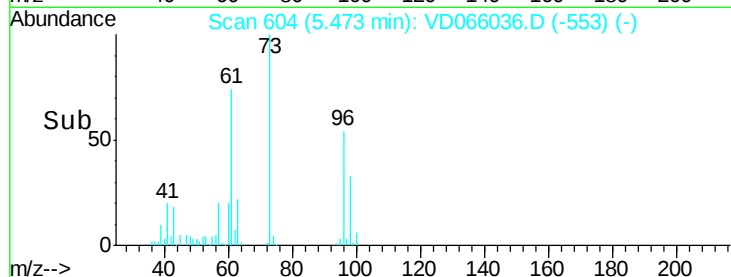
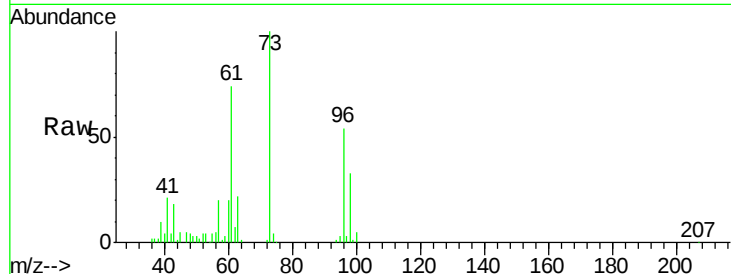
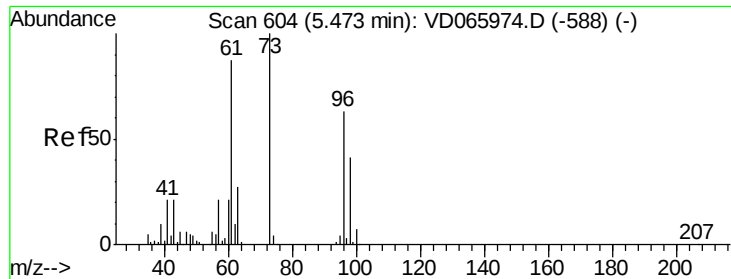
74 25.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





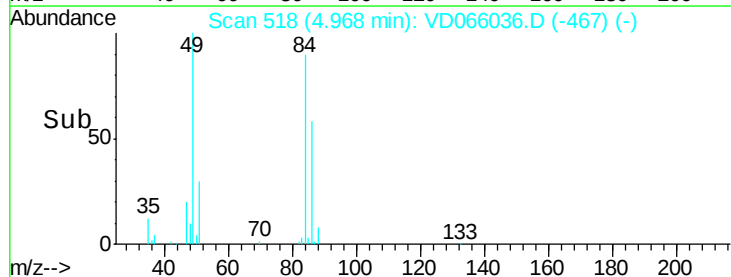
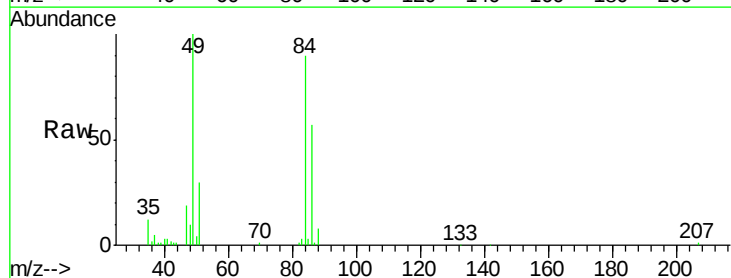
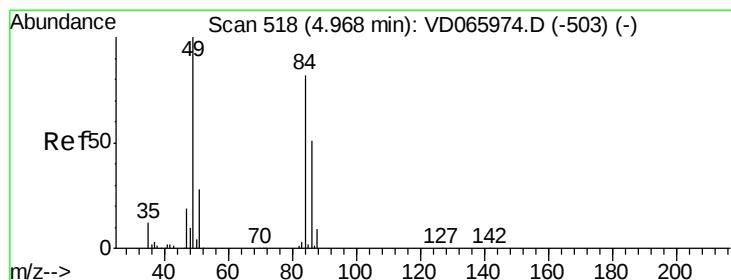
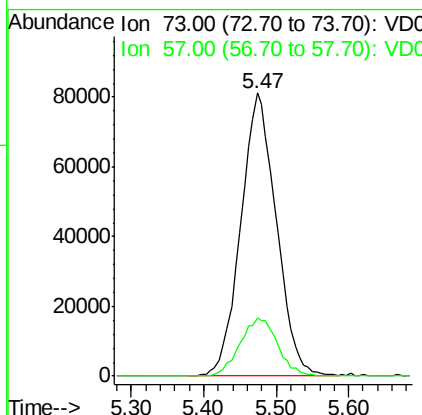
#19
Methyl tert-butyl Ether
Concen: 58.289 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.0	25.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

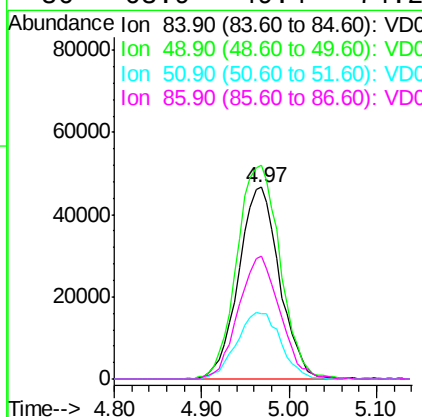
Manual Integrations
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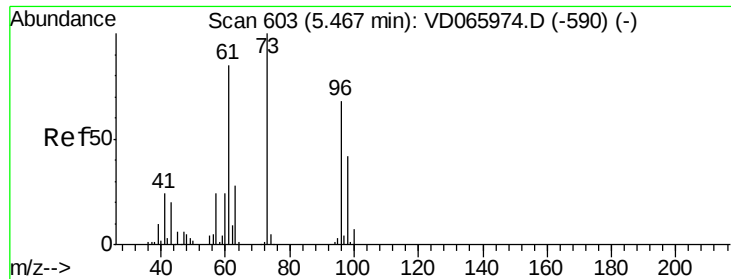
MMDadoda
7/24/2020 1:00:05 PM



#20
Methylene Chloride
Concen: 58.939 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.9	97.7	146.5
51	33.8	27.4	41.2
86	63.9	49.4	74.2





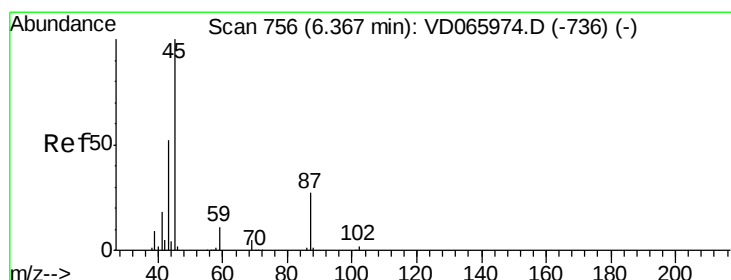
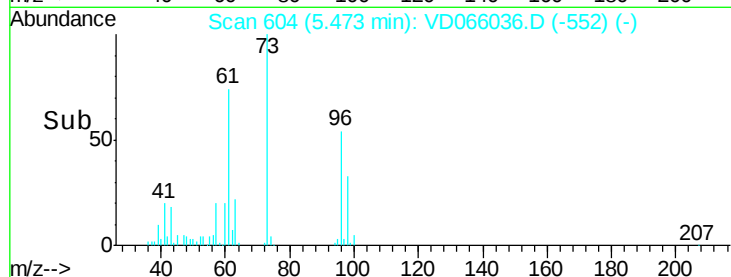
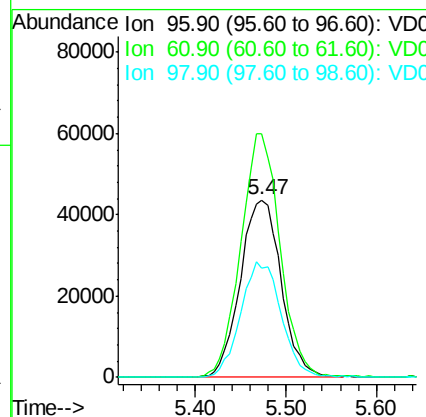
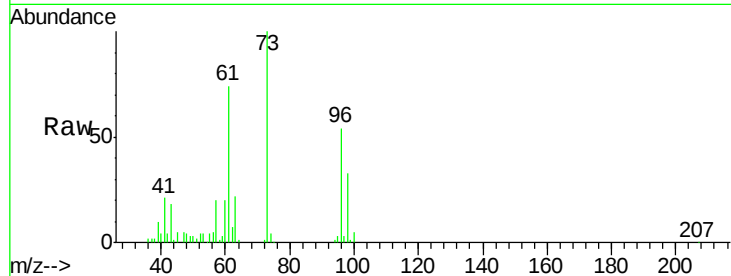
#21
trans-1,2-Dichloroethene
Concen: 52.320 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.0	100.5	150.7
98	61.8	49.7	74.5

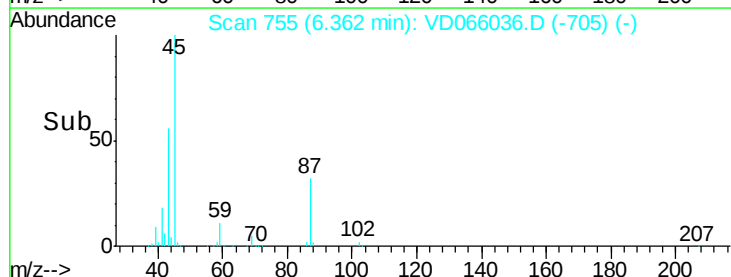
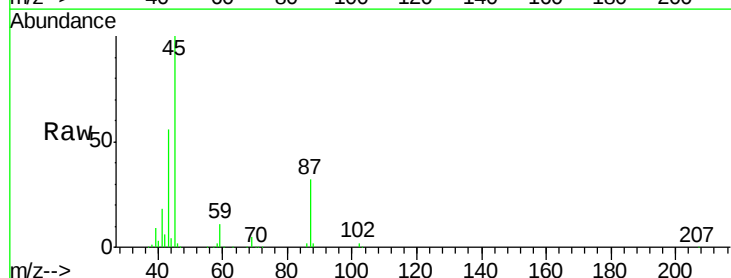
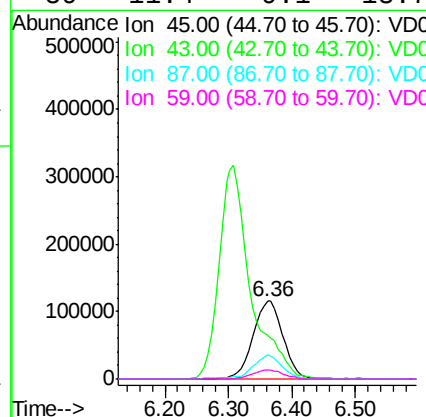
Manual Integrations
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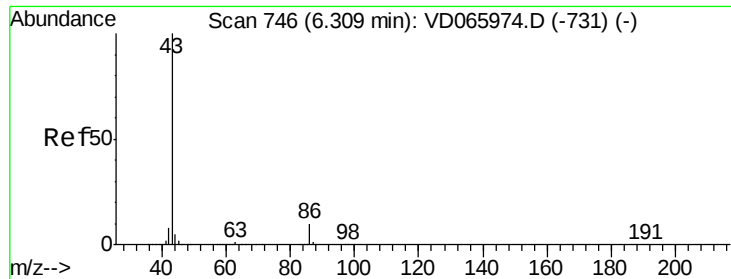
MMDadoda
7/24/2020 1:00:05 PM



#22
Diisopropyl ether
Concen: 56.237 ug/l
RT: 6.36 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.2	43.0	64.4
87	31.4	22.0	33.0
59	11.4	9.1	13.7





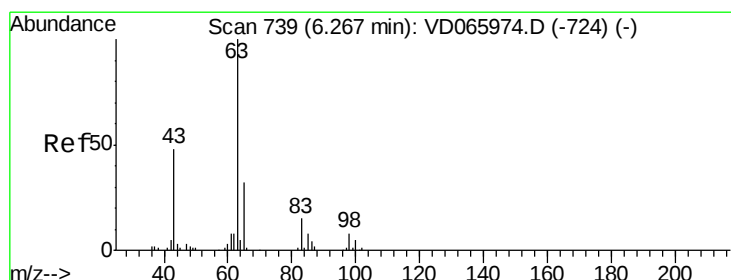
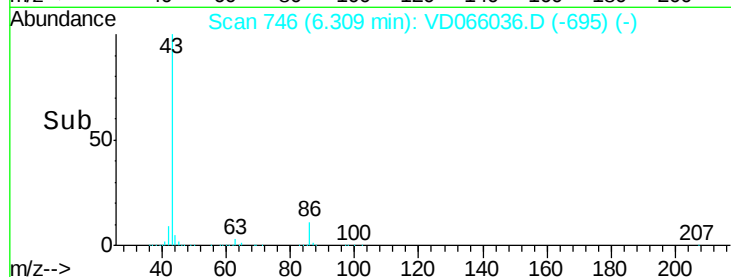
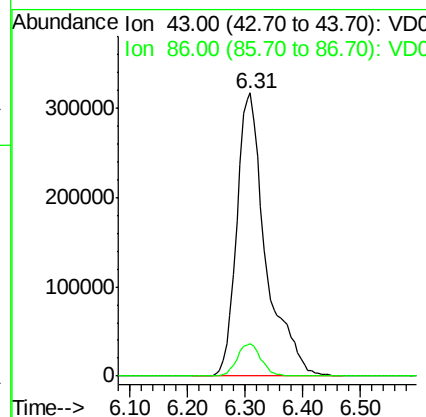
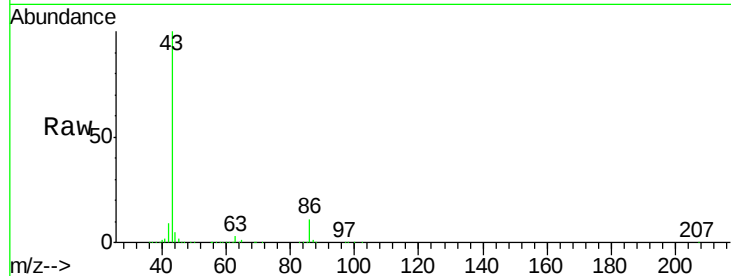
#23
 Vinyl Acetate
 Concen: 285.544 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VD066036.D
 Acq: 23 Jul 2020 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1104268
 Ion Ratio Lower Upper
 43 100
 86 11.3 7.9 11.9

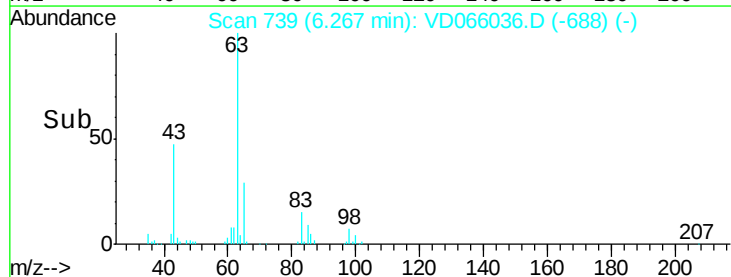
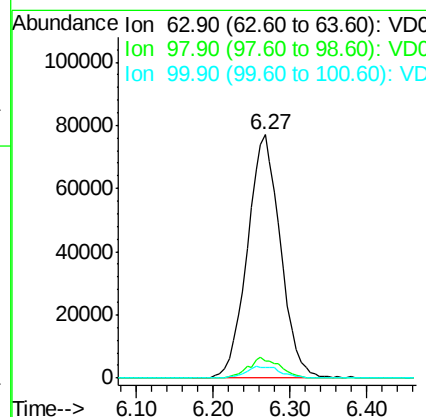
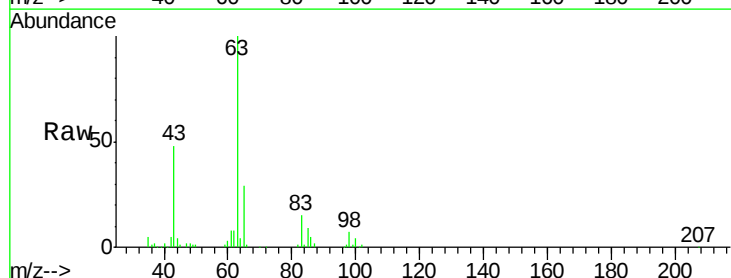
Manual Integrations
 APPROVED

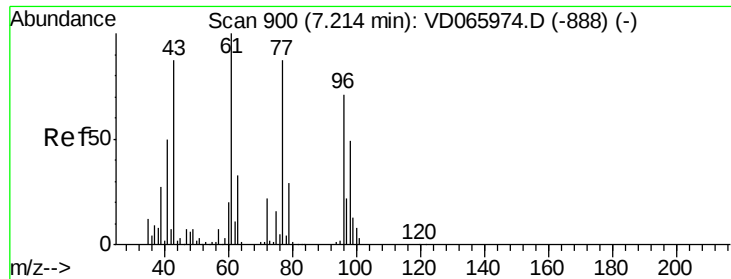
MMDadoda
 7/24/2020 1:00:05 PM



#24
 1,1-Dichloroethane
 Concen: 55.738 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD066036.D
 Acq: 23 Jul 2020 20:36

Tgt Ion: 63 Resp: 231583
 Ion Ratio Lower Upper
 63 100
 98 7.1 4.3 12.8
 100 4.3 2.5 7.5





#25

2-Butanone

Concen: 252.908 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 154357

Ion Ratio Lower Upper

43 100

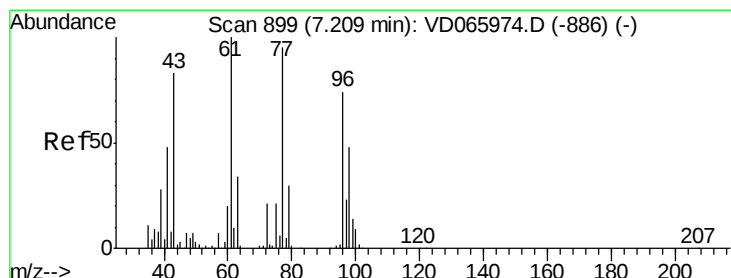
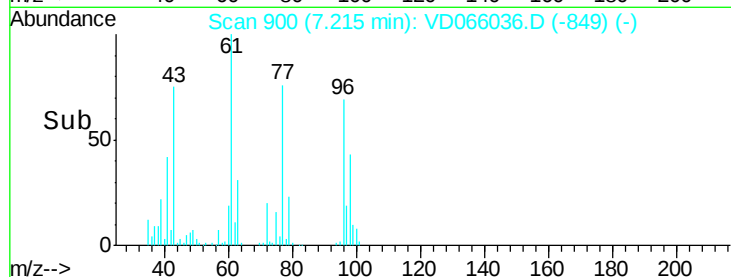
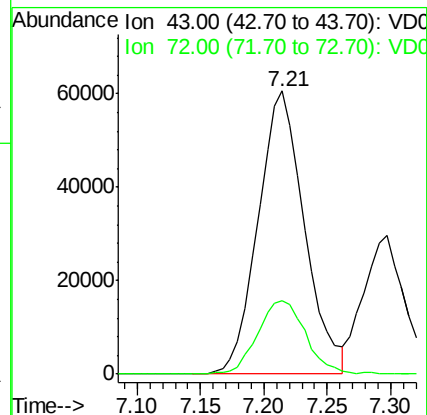
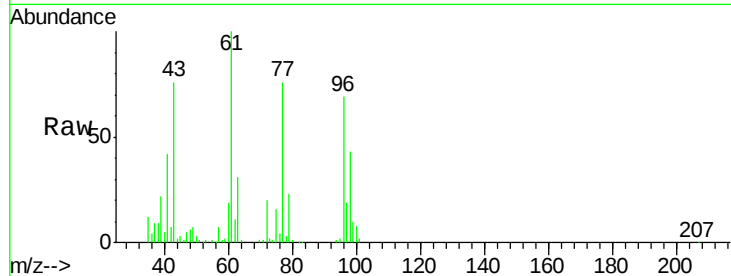
72 25.9 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.103 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066036.D

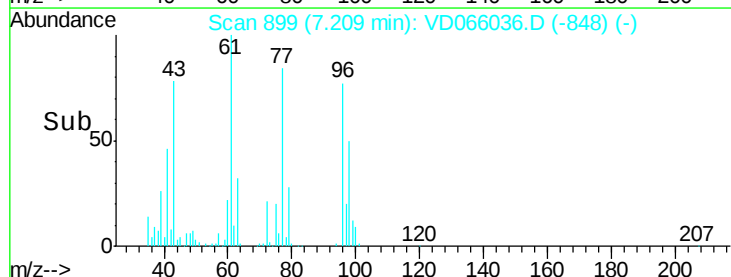
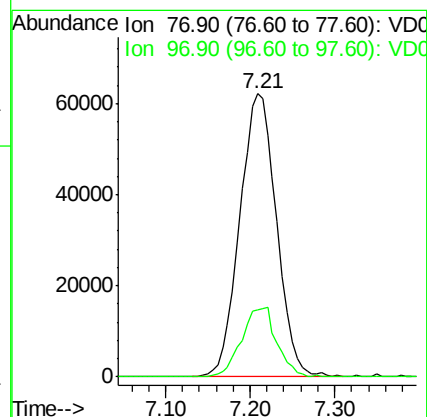
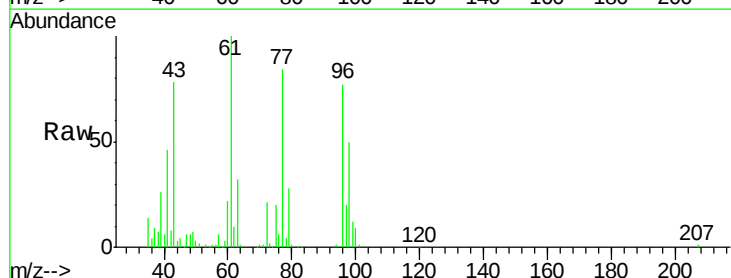
Acq: 23 Jul 2020 20:36

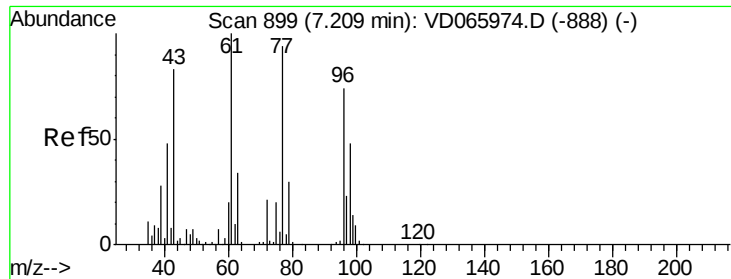
Tgt Ion: 77 Resp: 187198

Ion Ratio Lower Upper

77 100

97 23.4 11.6 34.7





#27

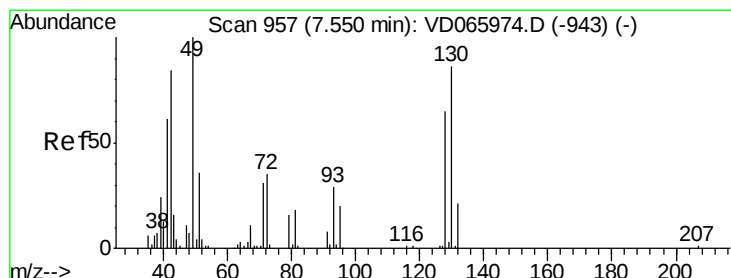
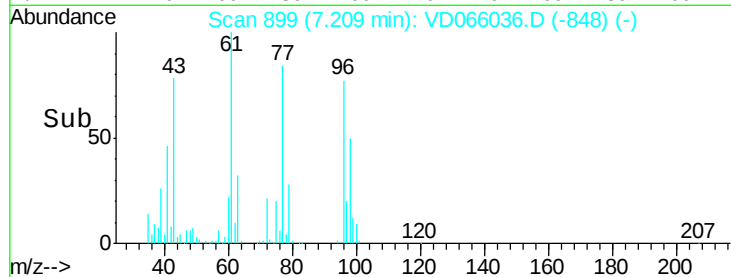
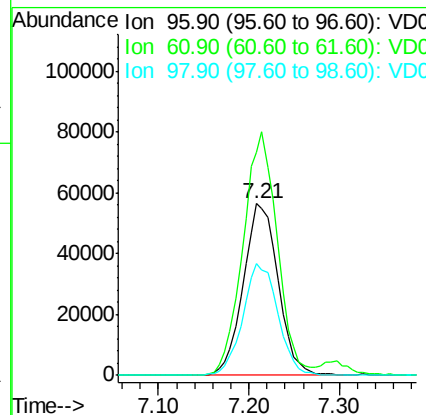
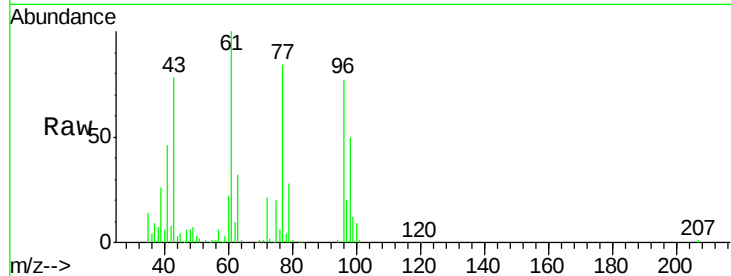
cis-1,2-Dichloroethene
Concen: 54.635 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	150960		
61	139.1	0.0	276.6	
98	65.6	0.0	130.8	

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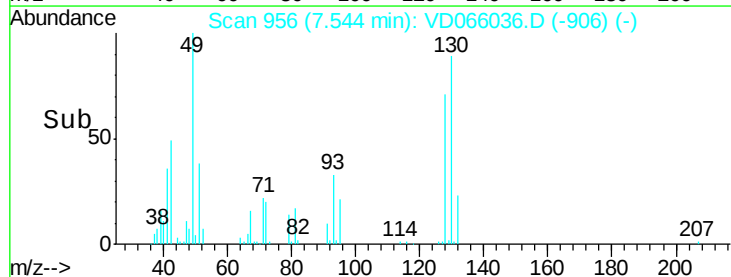
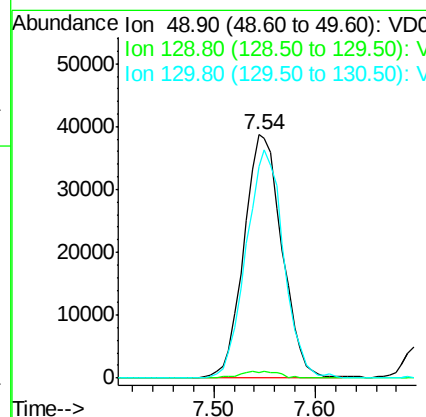
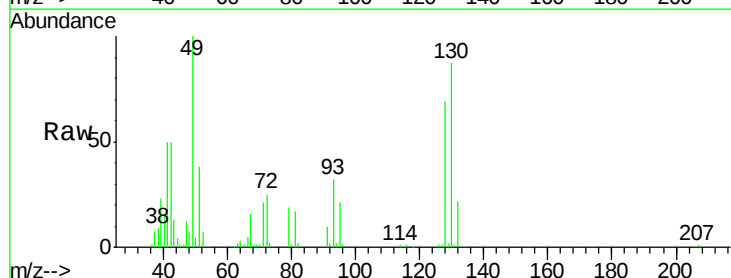
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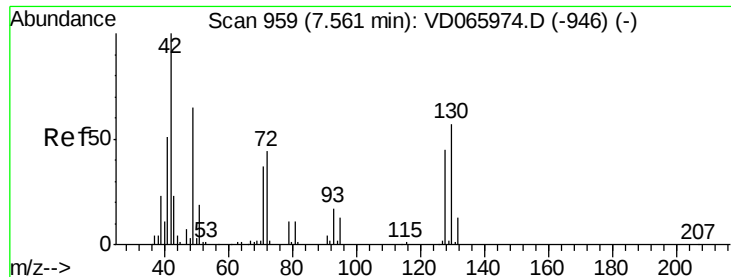


#28

Bromochloromethane
Concen: 57.235 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	100931		
129	2.7	0.0	4.8	
130	92.3	68.4	102.6	





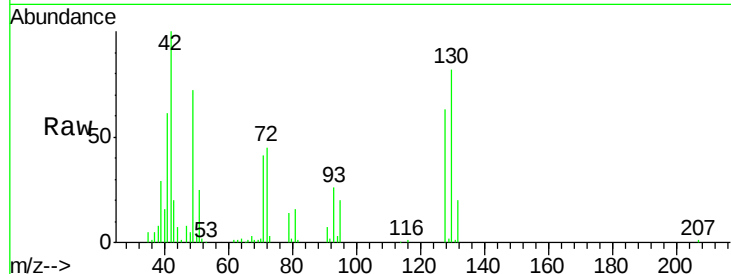
#29
Tetrahydrofuran
Concen: 266.879 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

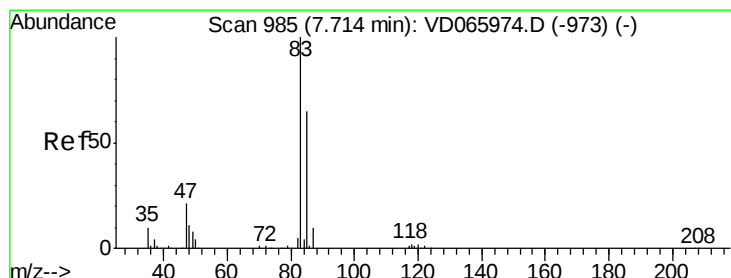
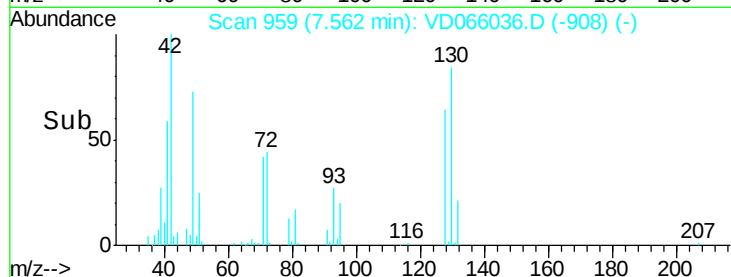
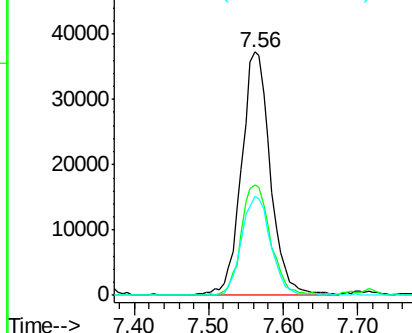
Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	34.2	51.2
71	40.5	31.4	47.2

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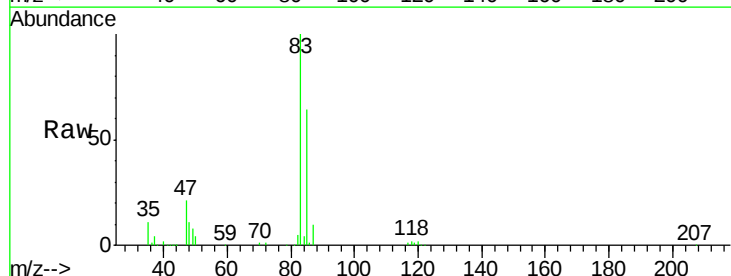


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

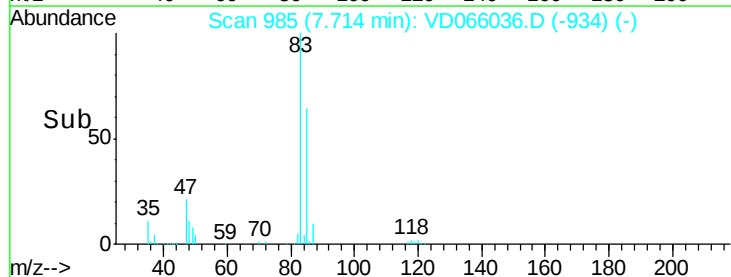
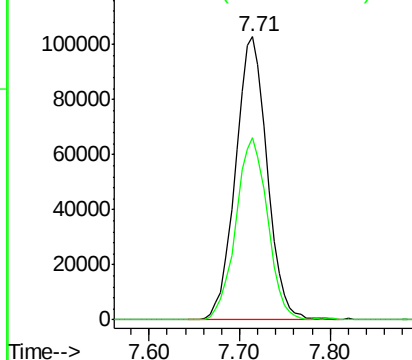


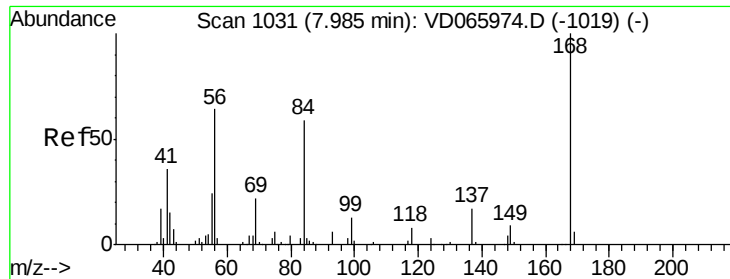
#30
Chloroform
Concen: 57.304 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.1	78.1



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





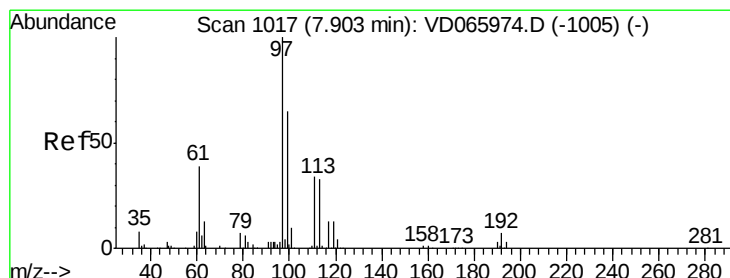
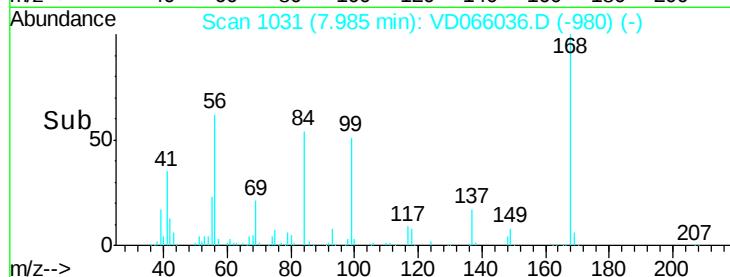
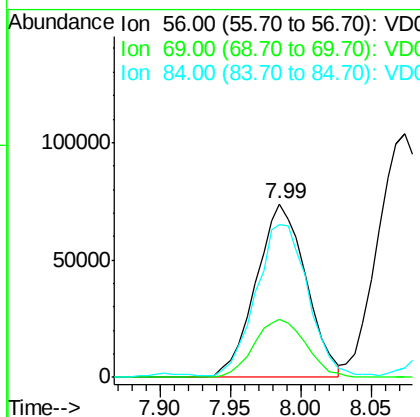
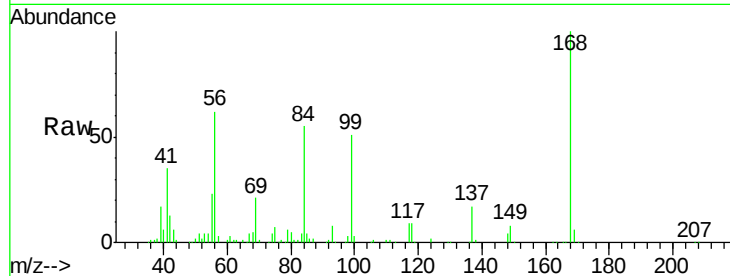
#31
Cyclohexane
Concen: 44.758 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	28.0	42.0
84	86.8	72.6	109.0

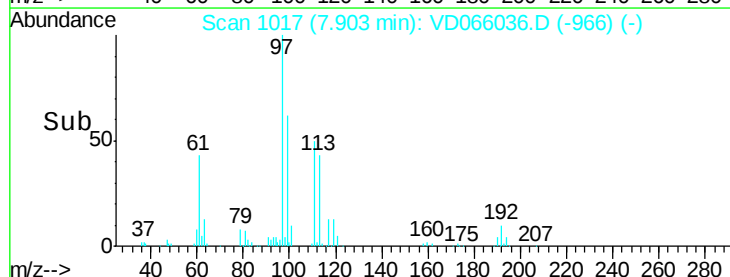
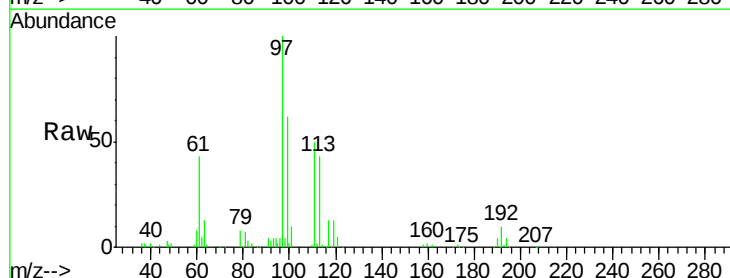
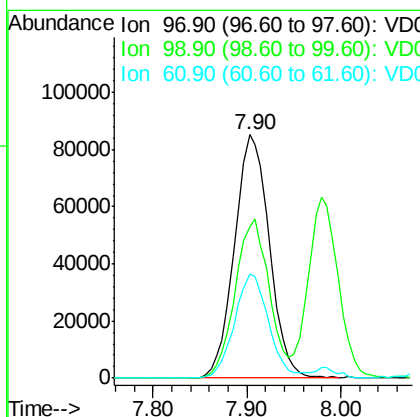
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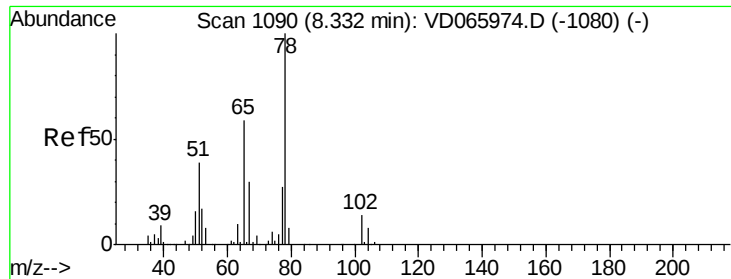
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#32
1,1,1-Trichloroethane
Concen: 54.587 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.6
61	41.6	33.3	49.9





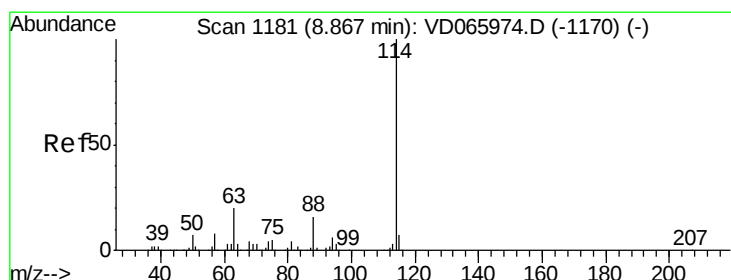
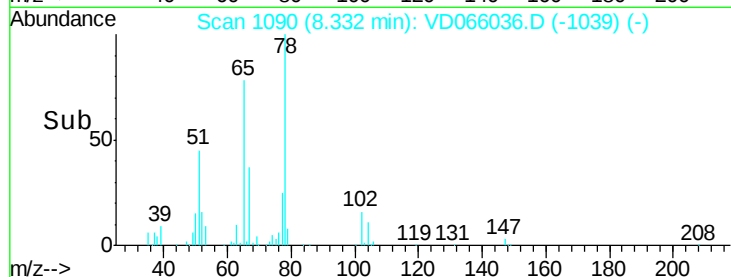
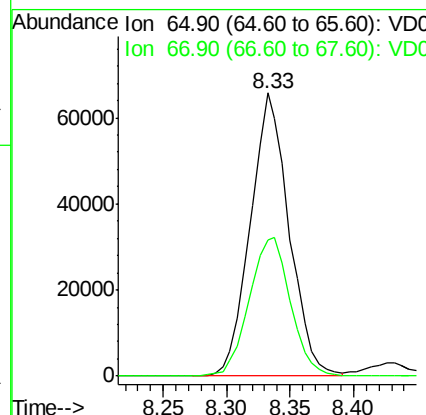
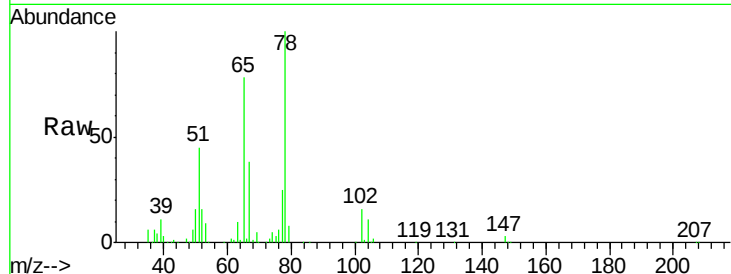
#33
 1,2-Dichloroethane-d4
 Concen: 61.446 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066036.D
 Acq: 23 Jul 2020 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	139629		
67	52.3	0.0	105.0	

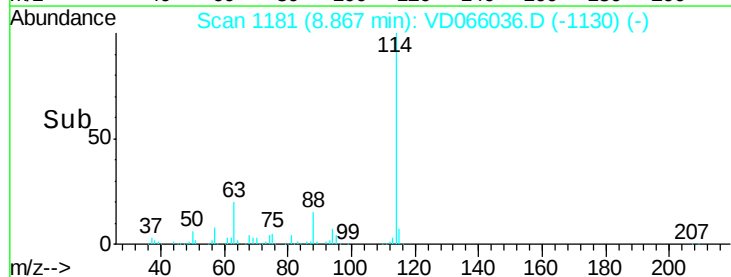
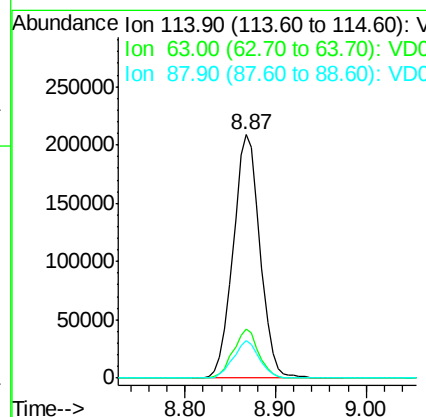
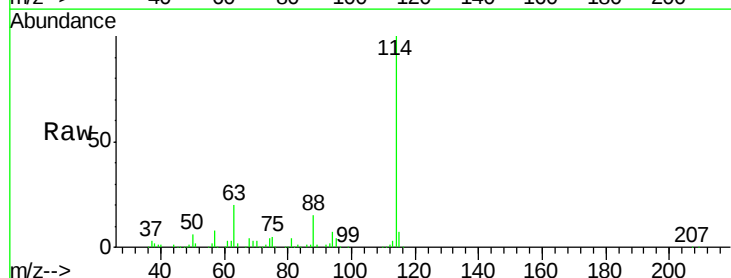
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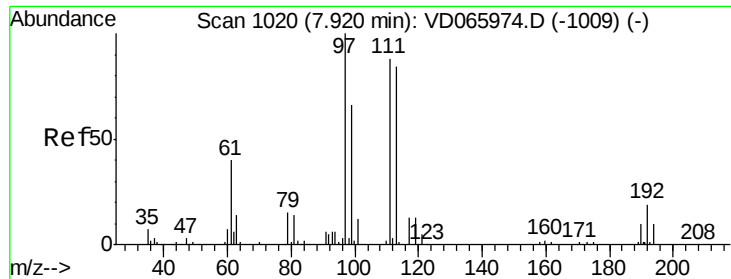
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 7/24/2020 1:00:05 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD066036.D
 Acq: 23 Jul 2020 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	429119		
63	20.1	0.0	39.6	
88	15.2	0.0	31.2	





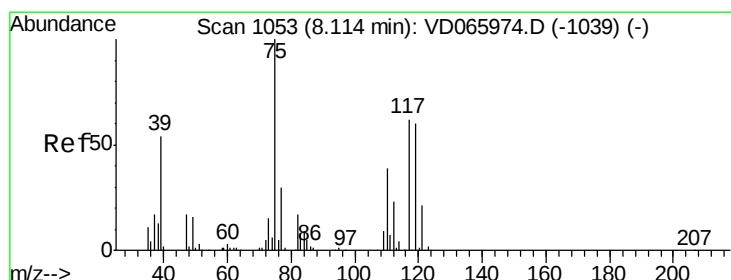
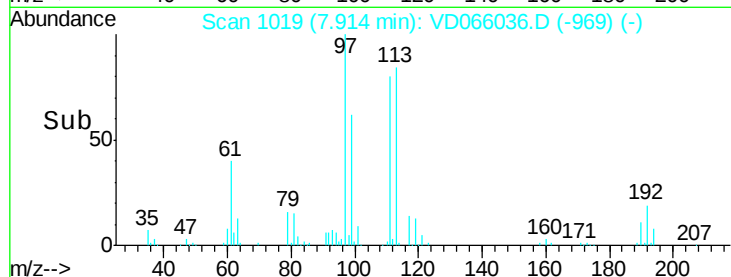
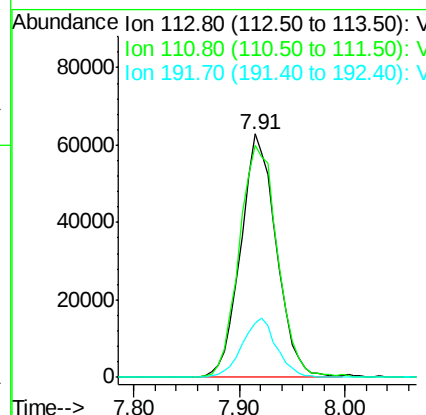
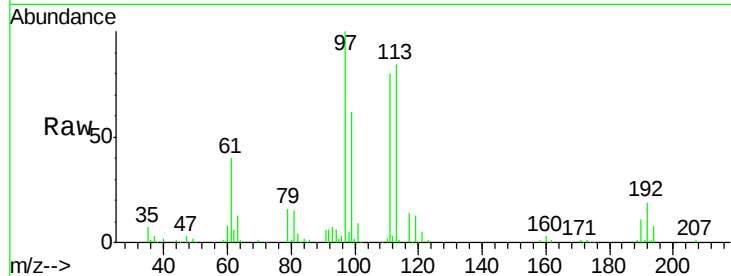
#35
 Dibromofluoromethane
 Concen: 56.397 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066036.D
 Acq: 23 Jul 2020 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.2	124.8
192	23.5	18.7	28.1

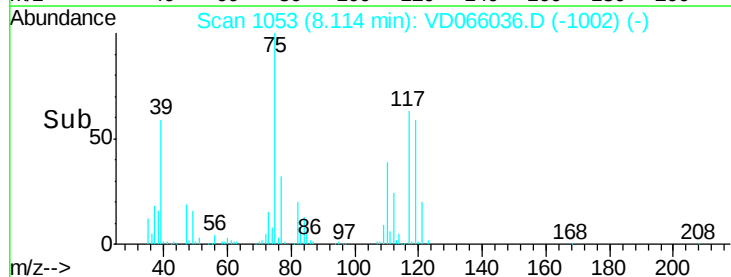
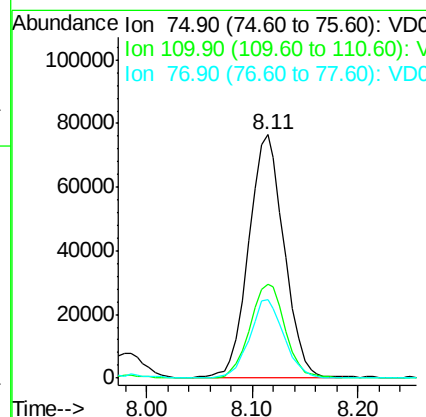
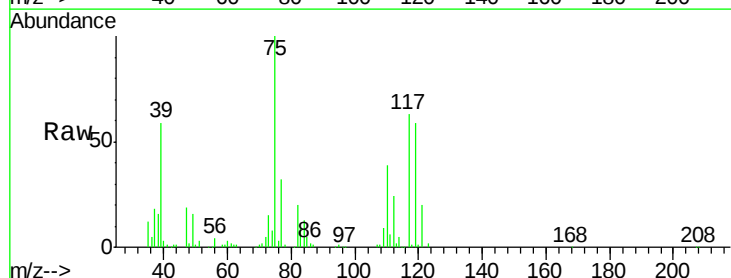
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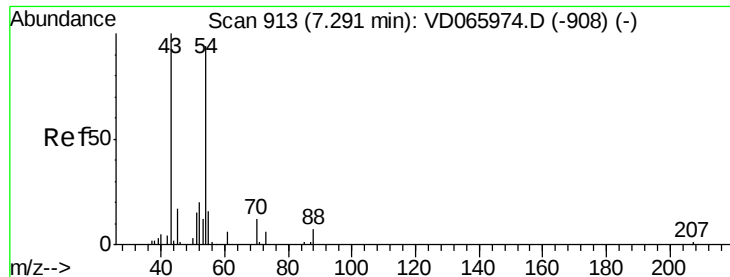
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 7/24/2020 1:00:05 PM



#36
 1,1-Dichloropropene
 Concen: 48.754 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD066036.D
 Acq: 23 Jul 2020 20:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.4	19.5	58.5
77	31.5	24.7	37.1





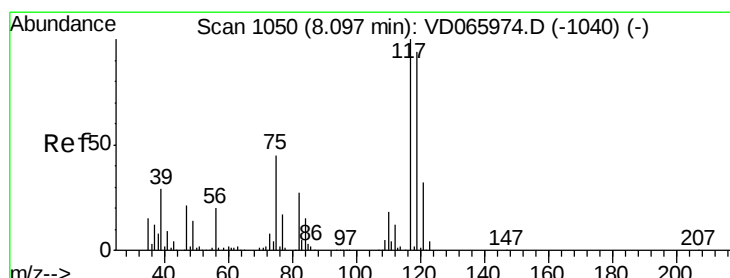
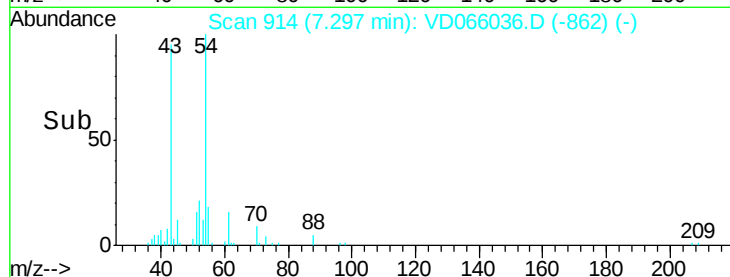
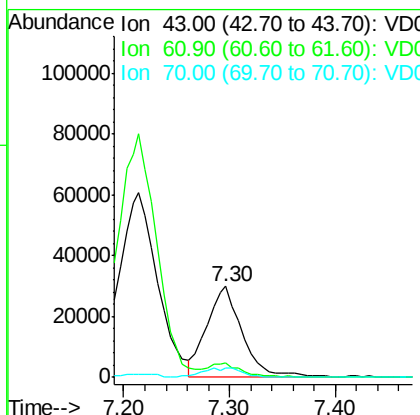
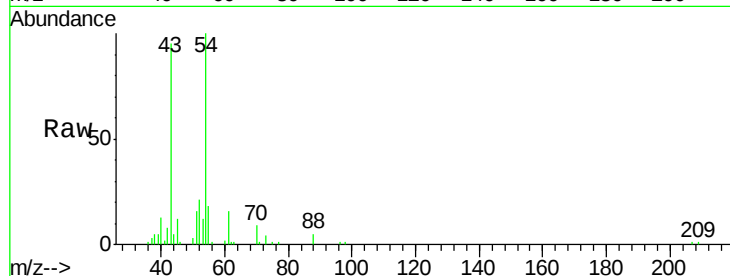
#37
Ethyl Acetate
Concen: 49.667 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.4	17.0
70	11.7	9.3	13.9

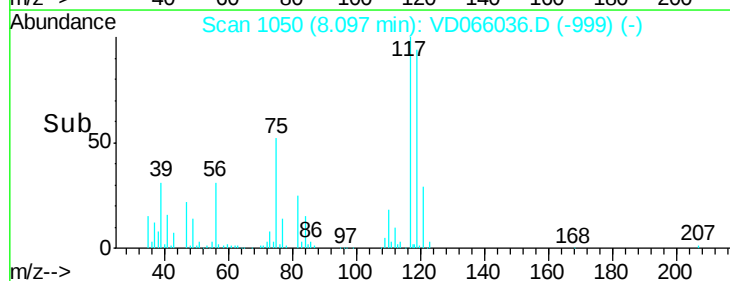
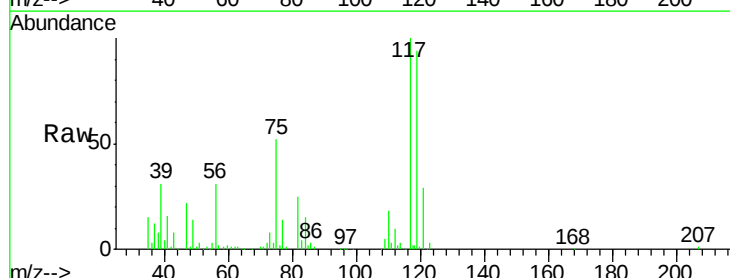
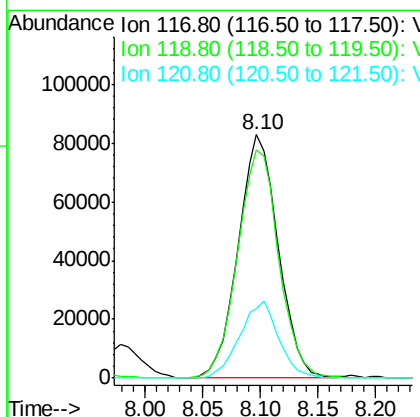
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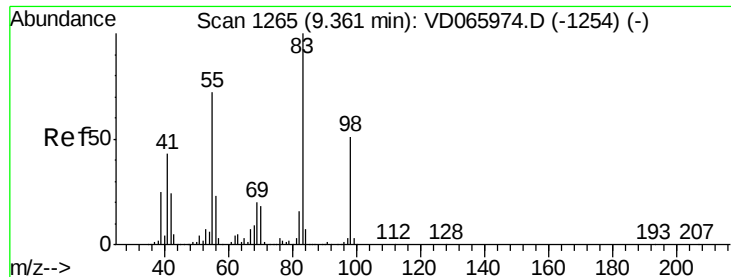
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#38
Carbon Tetrachloride
Concen: 50.021 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.0	112.6
121	28.8	25.5	38.3





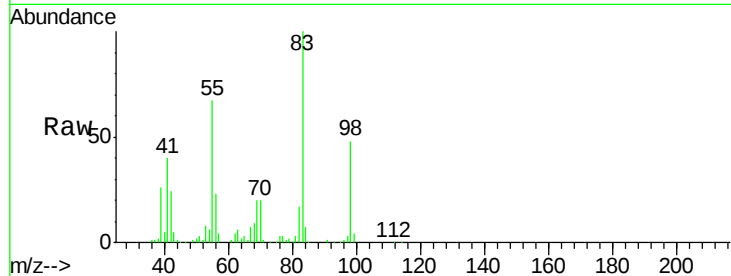
#39
Methvlcvclohexane
Concen: 47.573 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

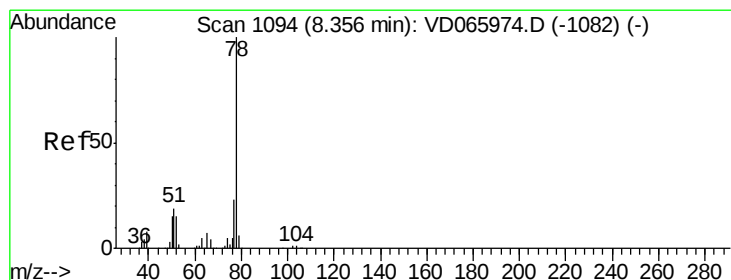
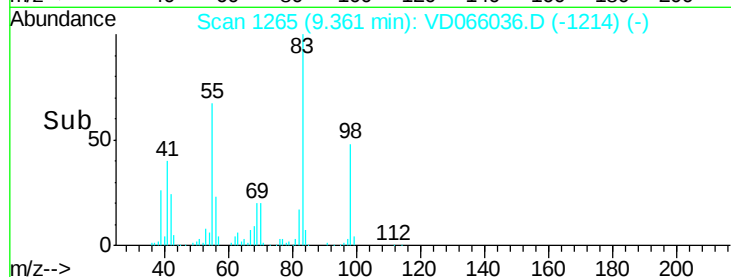
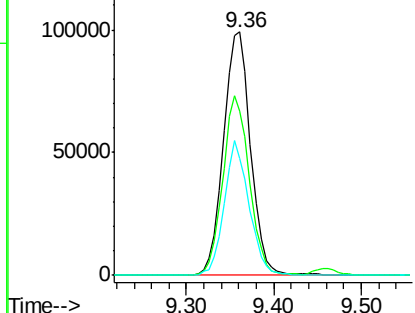
Tot Ion	Ratio	Resp	Lower	Upper
83	100	210990		
55	67.4		57.3	85.9
98	47.9		41.0	61.6

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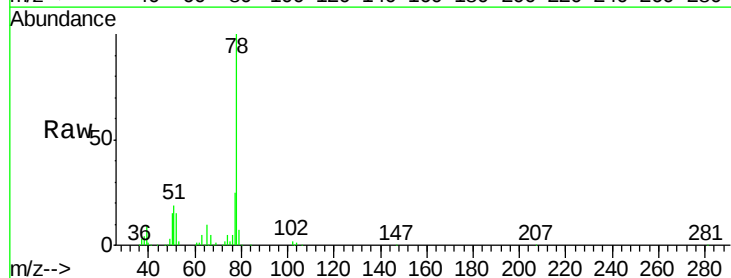


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

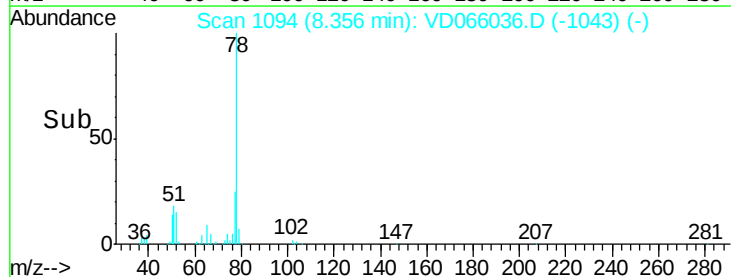
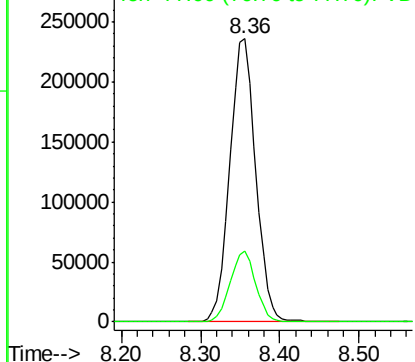


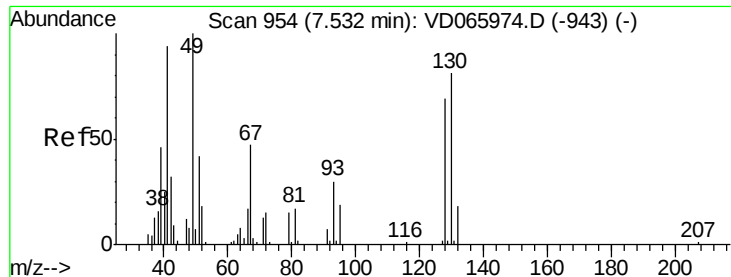
#40
Benzene
Concen: 52.216 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	535000		
77	24.9		18.6	27.8



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 63.825 ug/l m

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 51138

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

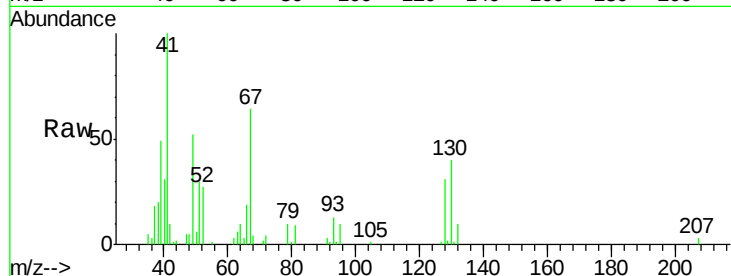
52 0.0 0.0 0.0

Manual Integrations

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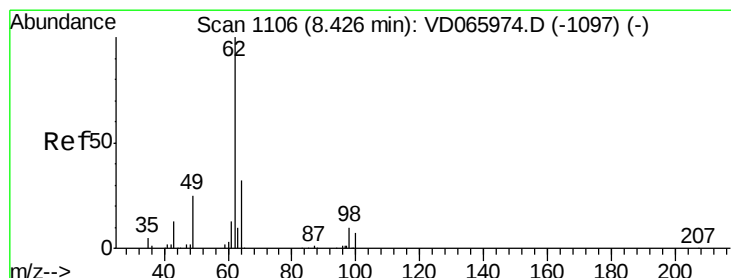
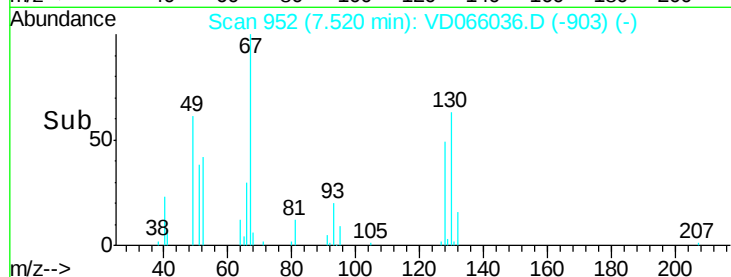
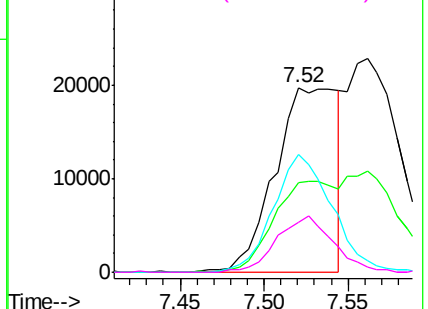


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 55.309 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD066036.D

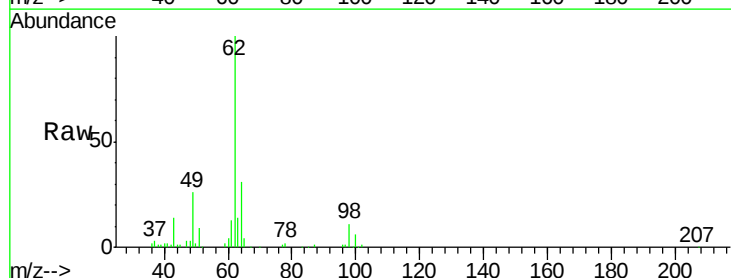
Acq: 23 Jul 2020 20:36

Tgt Ion: 62 Resp: 155288

Ion Ratio Lower Upper

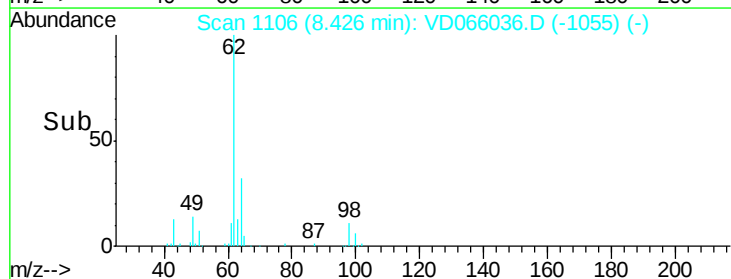
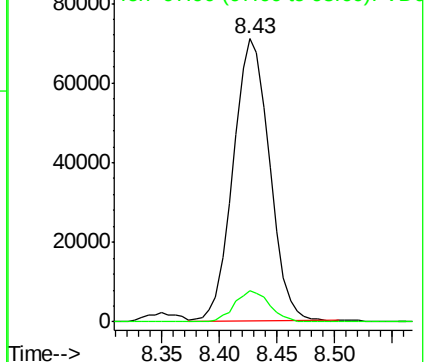
62 100

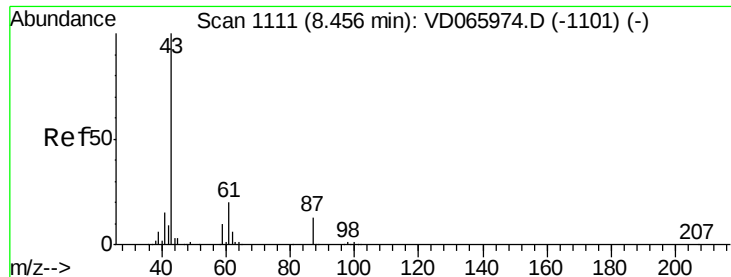
98 10.7 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 51.776 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Instrument :

MSVOA_D

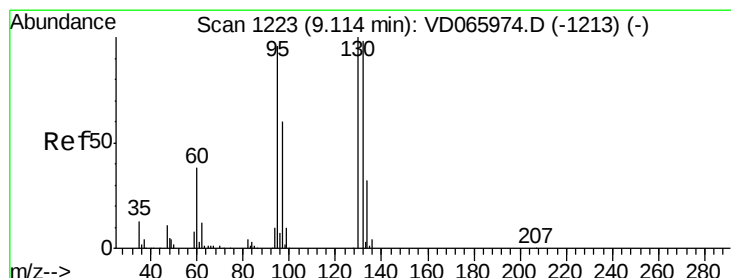
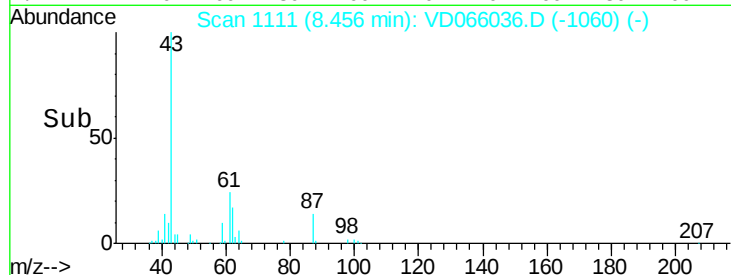
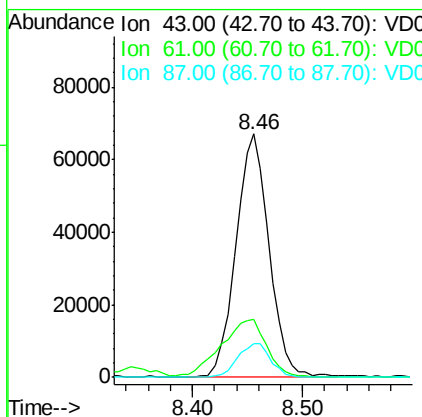
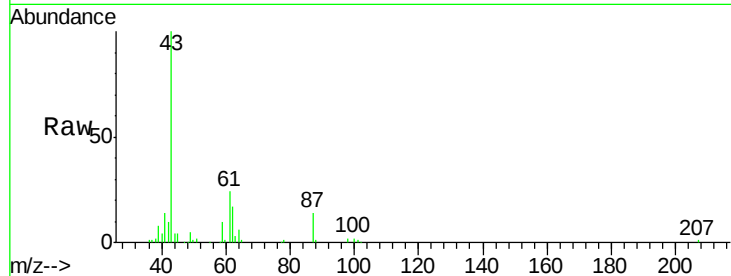
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	141439
Ion	Ratio	Lower	Upper
43	100		
61	32.4	25.8	38.8
87	13.9	10.9	16.3

Manual Integrations
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#44

Trichloroethene

Concen: 52.111 ug/l

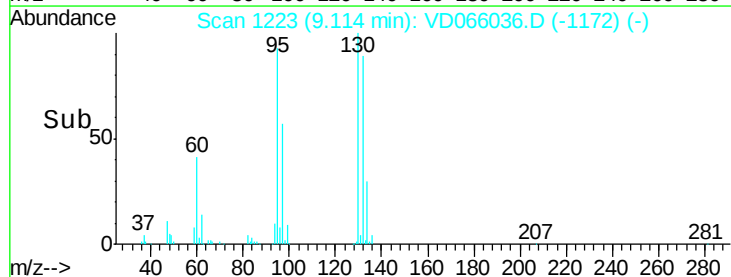
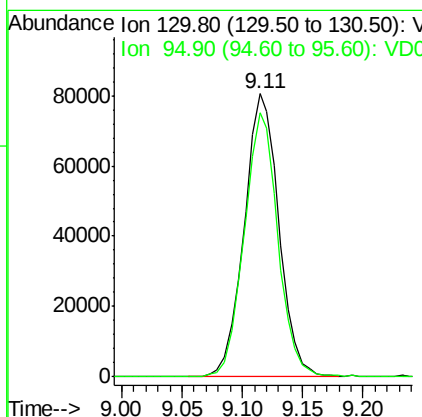
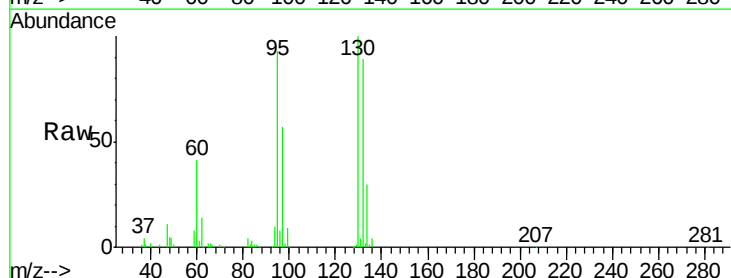
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Tgt Ion:	130	Resp:	161573
Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	191.6





#45

1,2-Dichloropropane

Concen: 53.408 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 132532

Ion Ratio Lower Upper

63 100

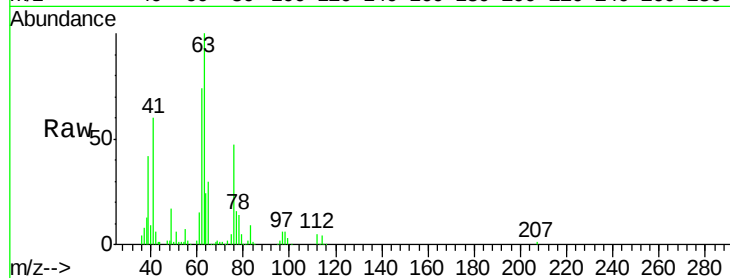
65 30.4 24.0 36.0

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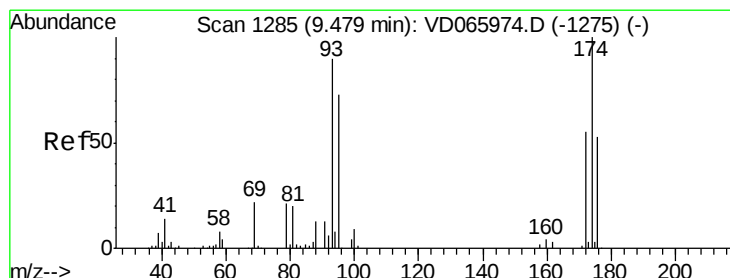
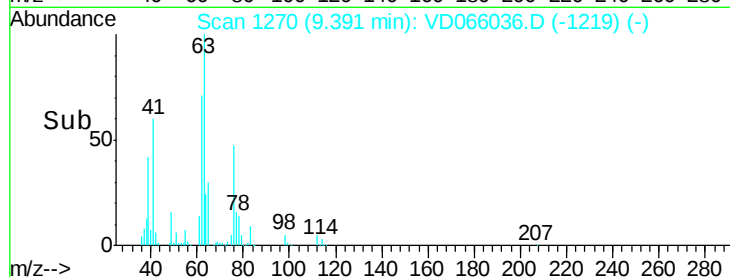
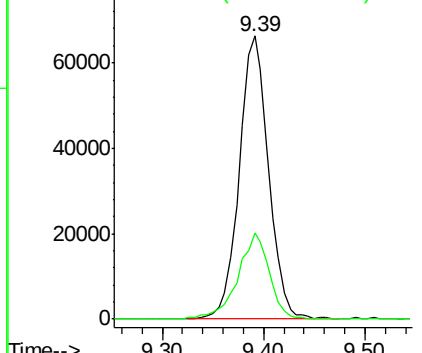
MMDadoda

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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: 54.643 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

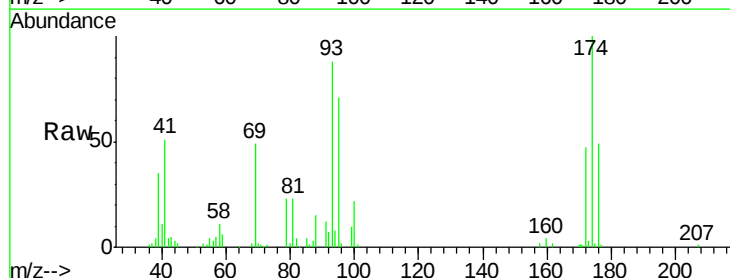
Tgt Ion: 93 Resp: 72995

Ion Ratio Lower Upper

93 100

95 84.9 66.2 99.4

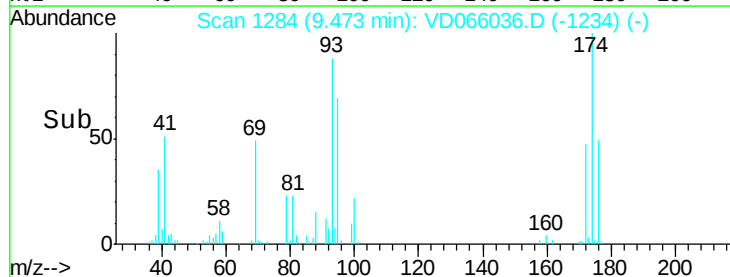
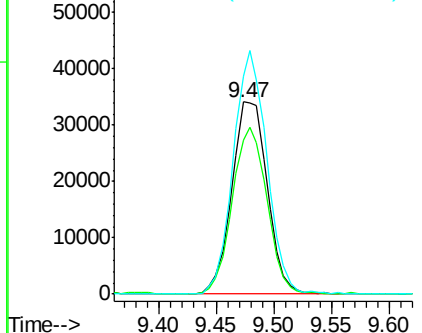
174 119.3 91.5 137.3

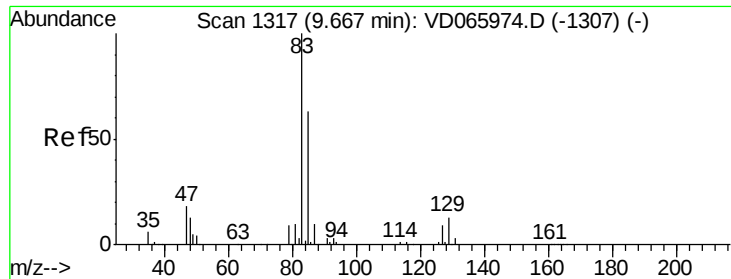


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 55.318 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Instrument :

MSVOA_D

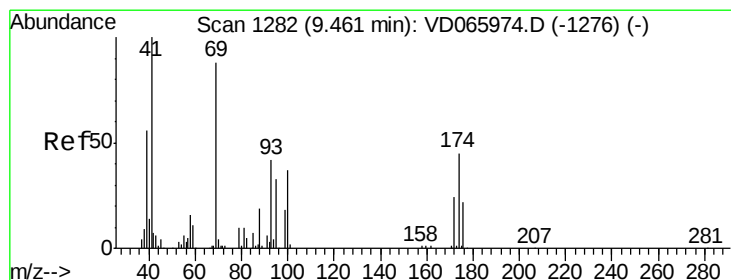
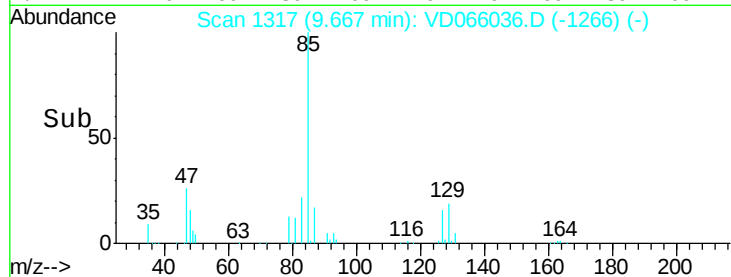
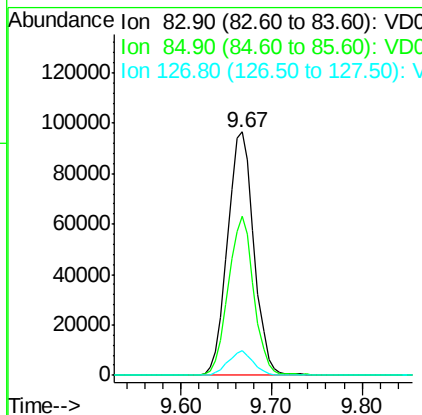
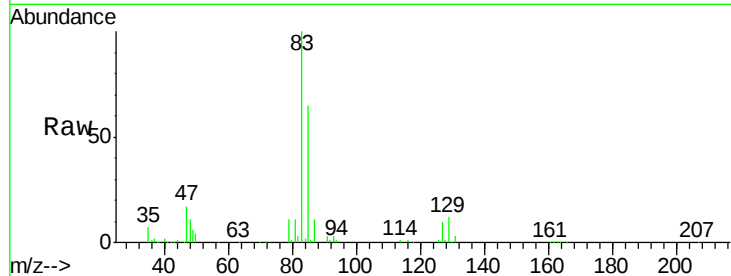
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	195391
Ion Ratio	Lower	Upper	
83	100		
85	65.1	50.6	75.8
127	10.1	7.1	10.7

Manual Integrations
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7/24/2020 1:00:05 PM



#48

Methyl methacrylate

Concen: 50.069 ug/l

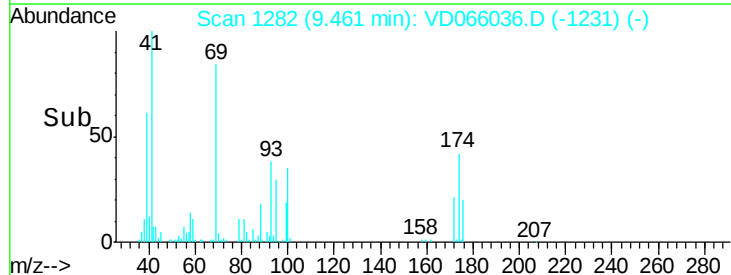
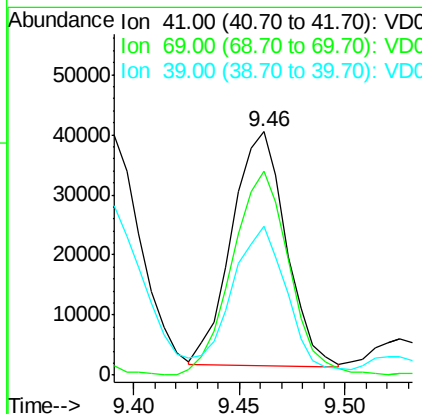
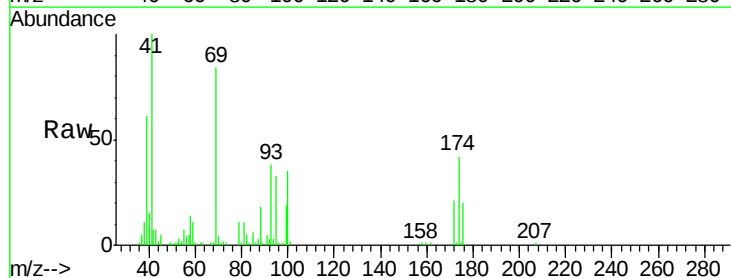
RT: 9.46 min Scan# 1282

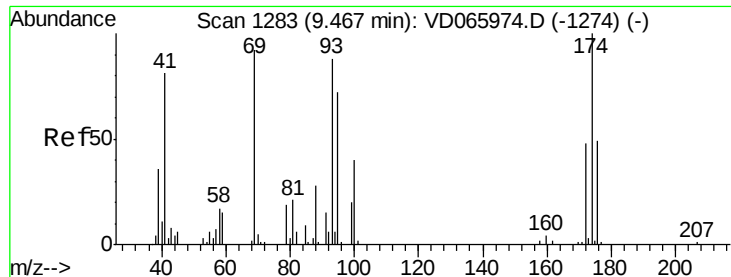
Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Tgt Ion:	41	Resp:	68993
Ion Ratio	Lower	Upper	
41	100		
69	92.0	65.1	97.7
39	60.2	41.5	62.3





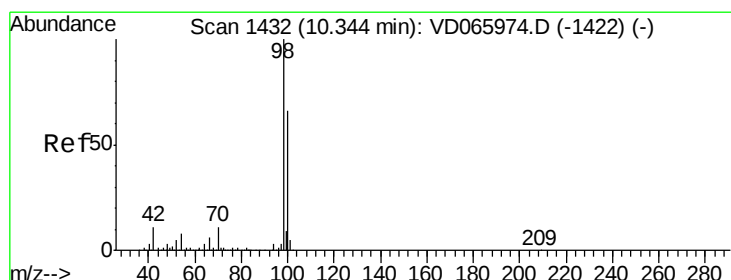
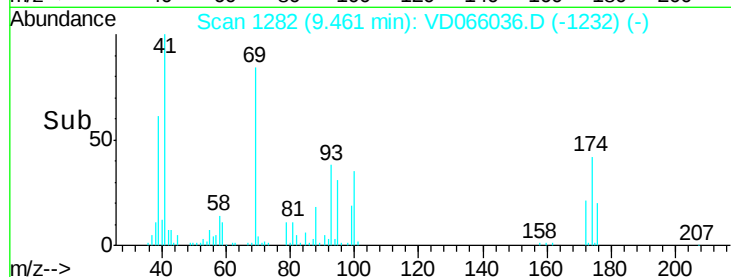
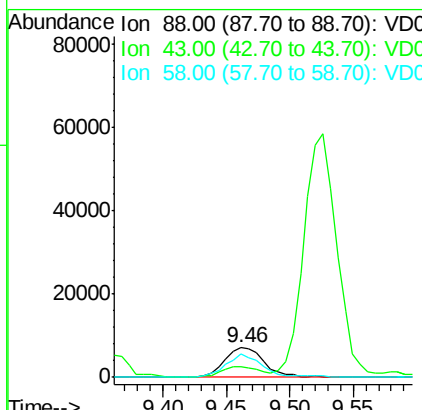
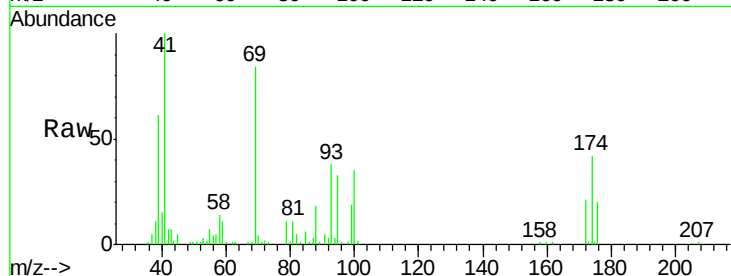
#49
1,4-Dioxane
Concen: 1000.411 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	15483
Ion	Ratio	Lower	Upper
88	100		
43	35.5	29.0	43.6
58	69.7	57.0	85.4

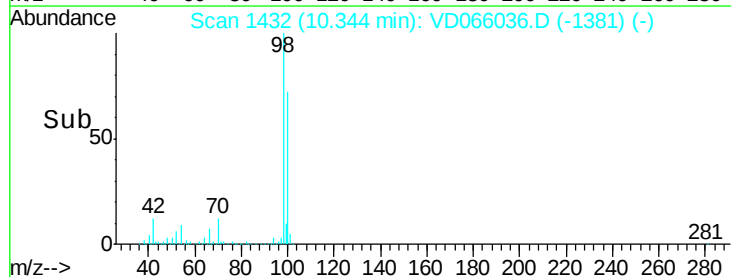
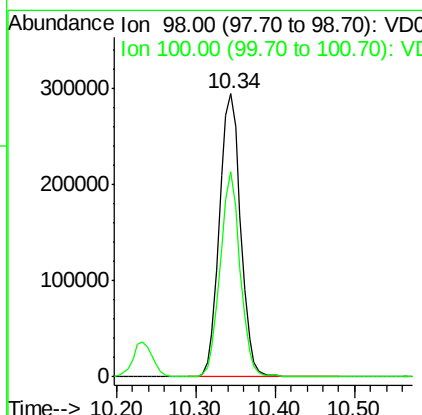
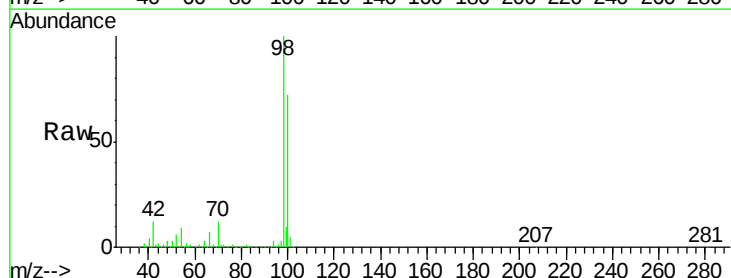
Manual Integrations
APPROVED

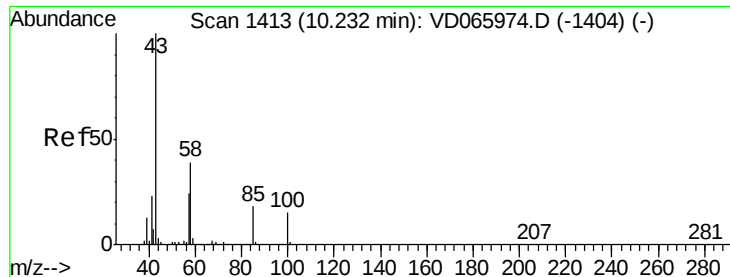
MMDadoda
7/24/2020 1:00:05 PM



#50
Toluene-d8
Concen: 56.294 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Tgt Ion	98	Resp	545818
Ion	Ratio	Lower	Upper
98	100		
100	68.3	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 265.679 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 365683

Ion Ratio Lower Upper

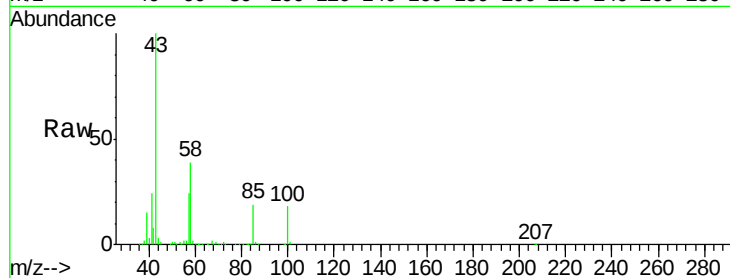
43 100

58 39.2 31.3 46.9

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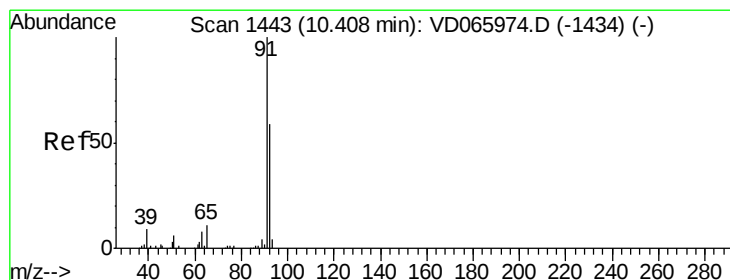
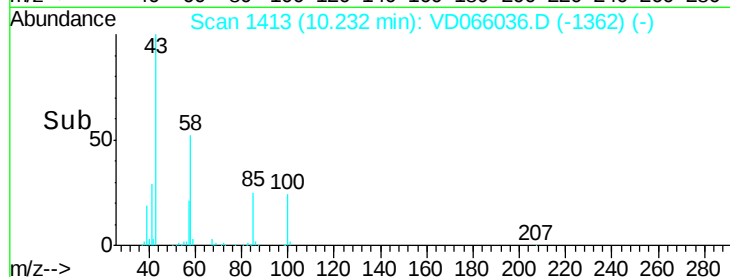
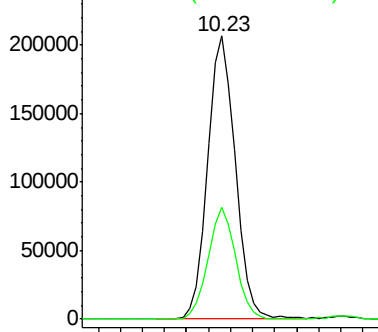
MMDadoda

7/24/2020 1:00:05 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 53.956 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD066036.D

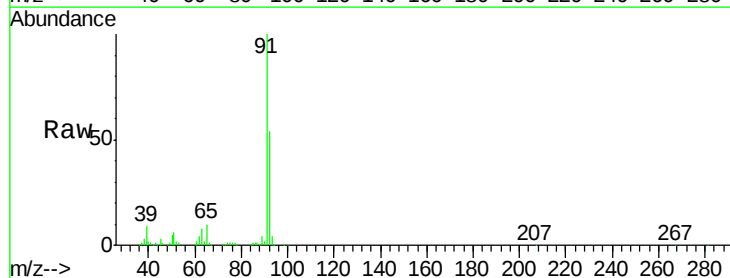
Acq: 23 Jul 2020 20:36

Tgt Ion: 92 Resp: 360525

Ion Ratio Lower Upper

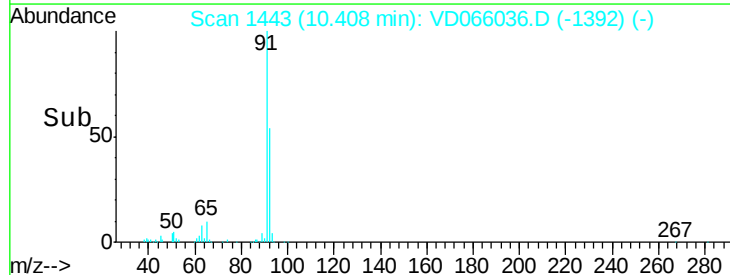
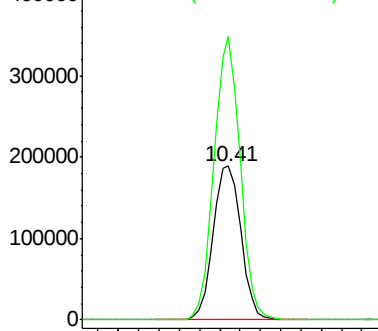
92 100

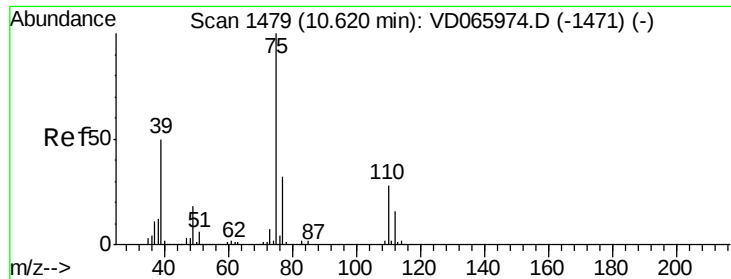
91 173.8 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





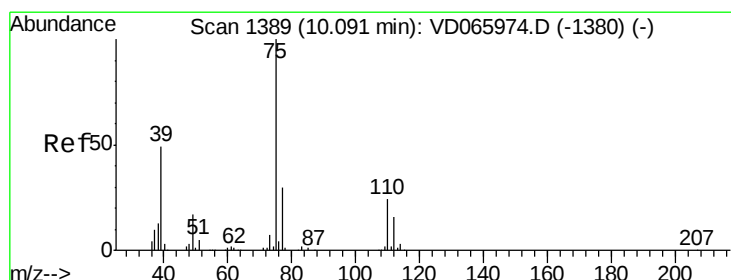
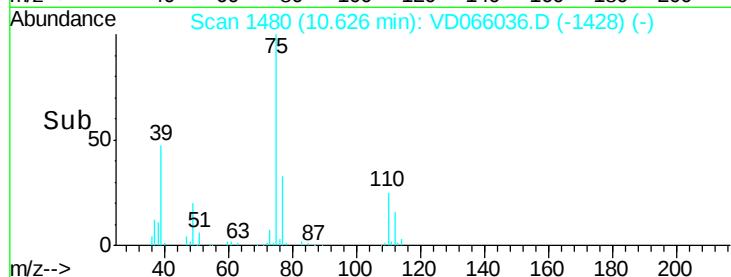
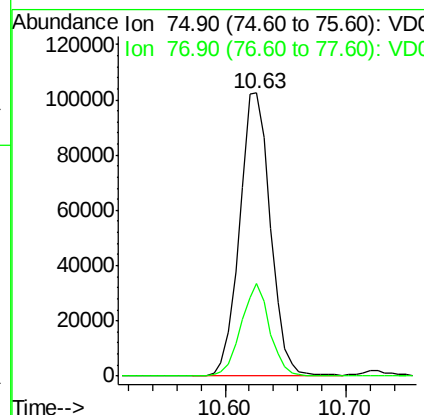
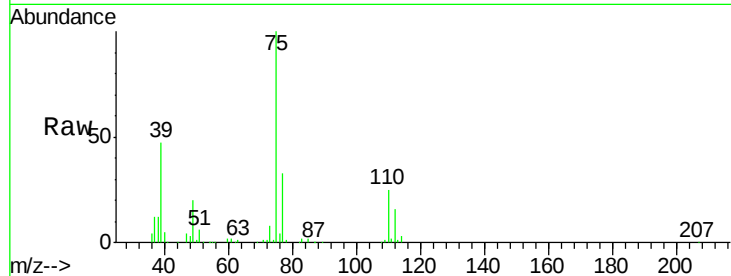
#53
t-1,3-Dichloropropene
Concen: 55.569 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 182862
Ion Ratio Lower Upper
75 100
77 32.5 25.8 38.6

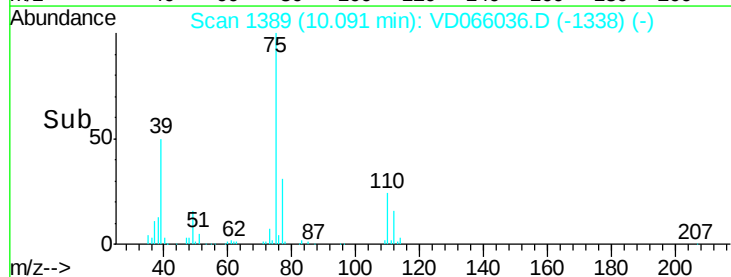
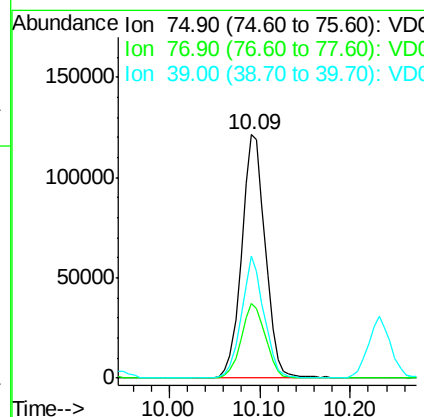
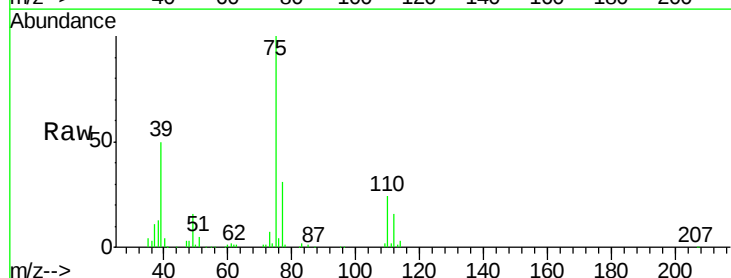
Manual Integrations
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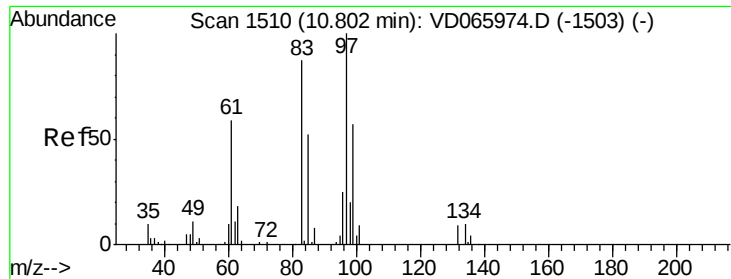
MMDadoda
7/24/2020 1:00:05 PM



#54
cis-1,3-Dichloropropene
Concen: 55.244 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Tgt Ion: 75 Resp: 220364
Ion Ratio Lower Upper
75 100
77 30.6 23.8 35.8
39 50.2 38.8 58.2





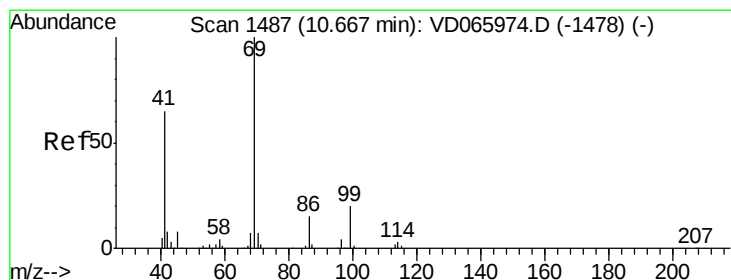
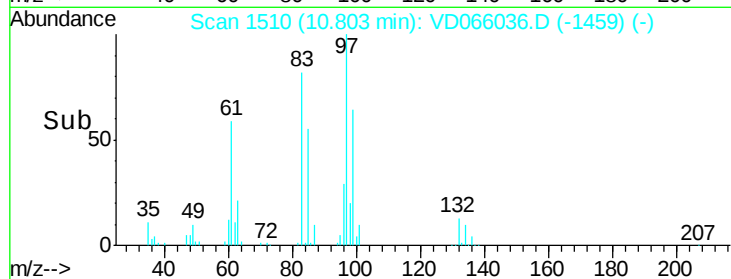
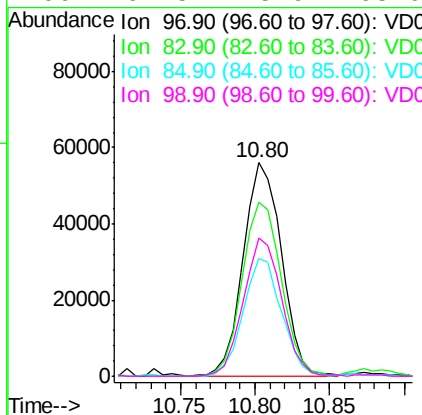
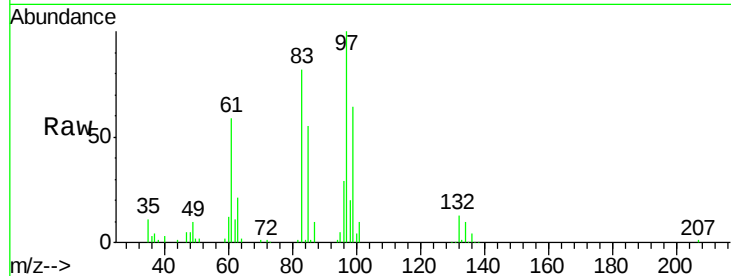
#55
 1,1,2-Trichloroethane
 Concen: 52.783 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD066036.D
 Acq: 23 Jul 2020 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	100001
Ion	Ratio	Lower	Upper
97	100		
83	81.6	69.7	104.5
85	55.0	41.6	62.4
99	64.5	45.9	68.9

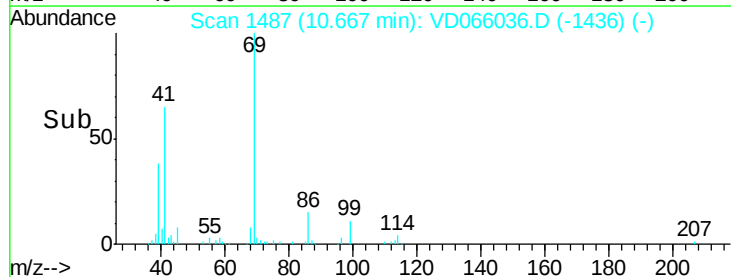
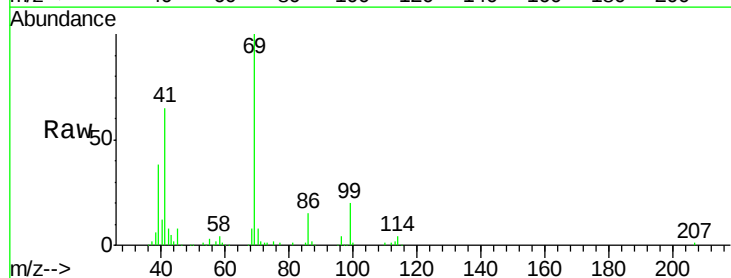
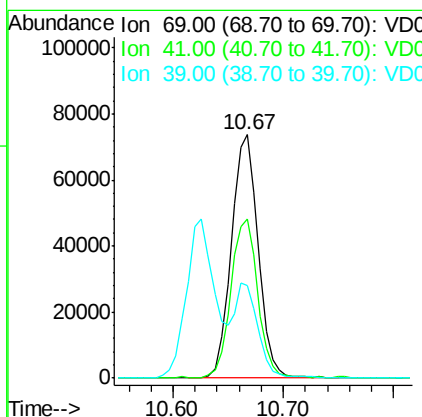
Manual Integrations
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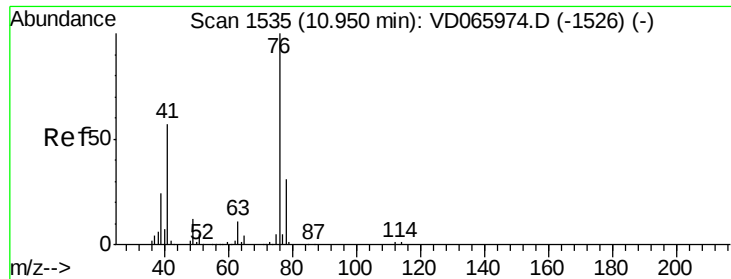
MMDadoda
 7/24/2020 1:00:05 PM



#56
 Ethyl methacrylate
 Concen: 57.085 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD066036.D
 Acq: 23 Jul 2020 20:36

Tgt Ion:	69	Resp:	125744
Ion	Ratio	Lower	Upper
69	100		
41	65.2	52.3	78.5
39	34.0	25.2	37.8





#57

1,3-Dichloropropane

Concen: 55.902 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 175330

Ion Ratio Lower Upper

76 100

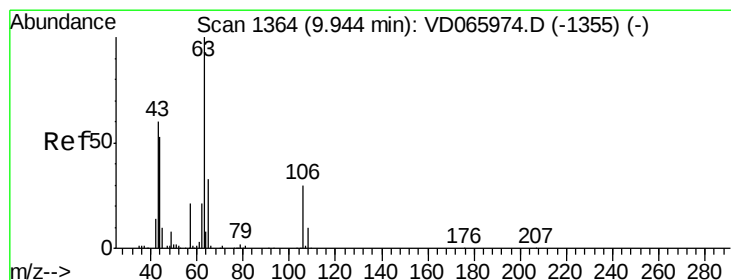
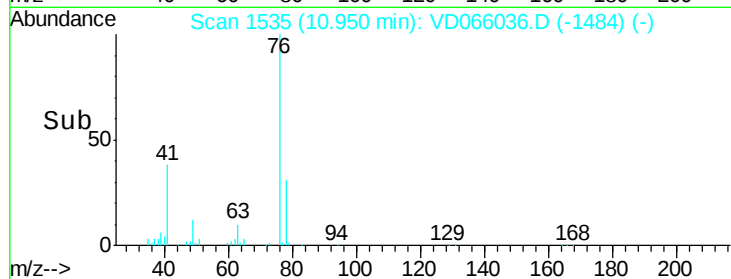
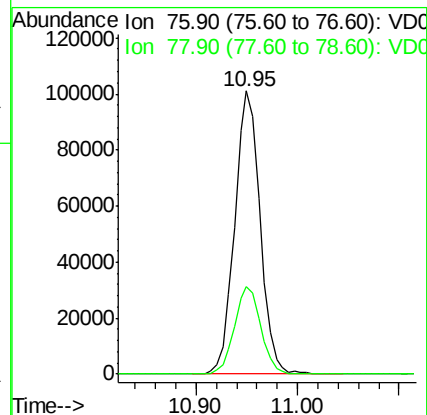
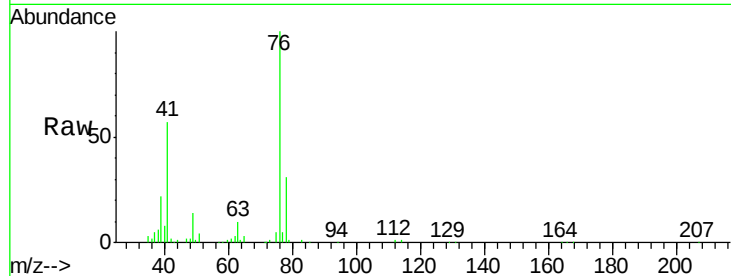
78 31.9 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

7/24/2020 1:00:05 PM



#58

2-Chloroethyl Vinyl ether

Concen: 247.014 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD066036.D

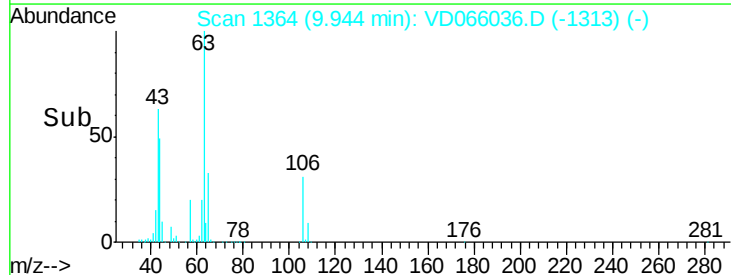
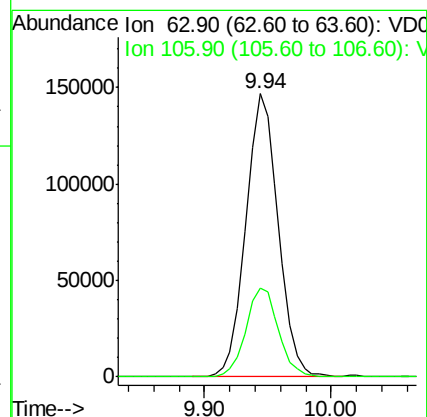
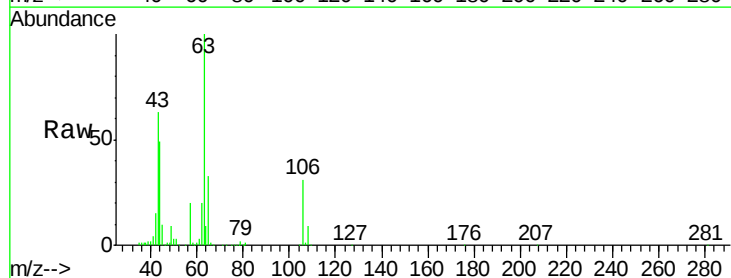
Acq: 23 Jul 2020 20:36

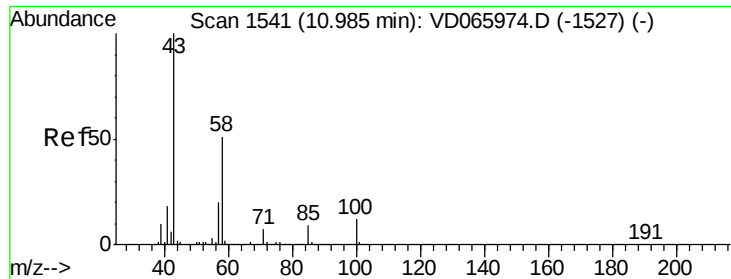
Tgt Ion: 63 Resp: 259923

Ion Ratio Lower Upper

63 100

106 31.4 24.4 36.6





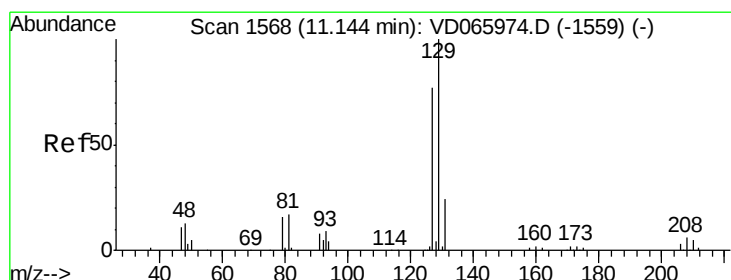
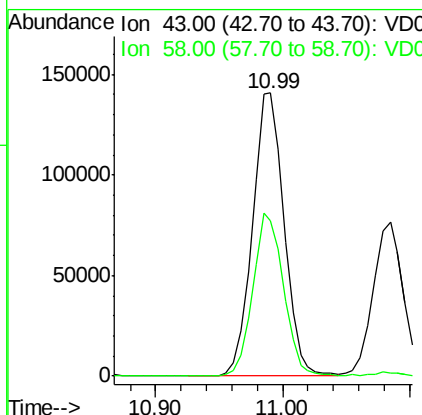
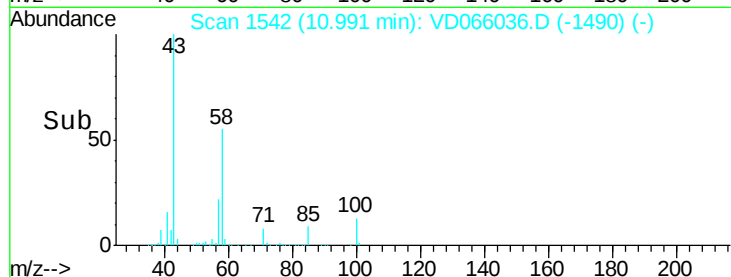
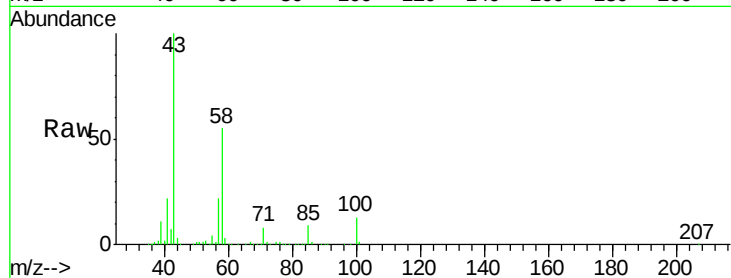
#59
2-Hexanone
Concen: 256.775 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 244920
Ion Ratio Lower Upper
43 100
58 55.7 26.2 78.6

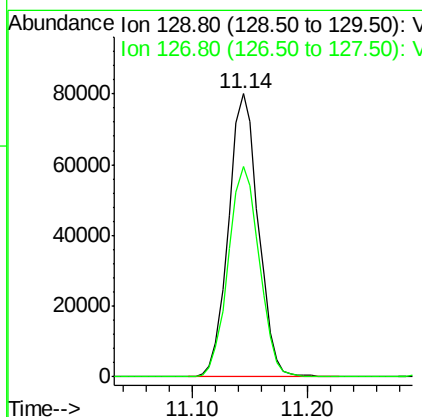
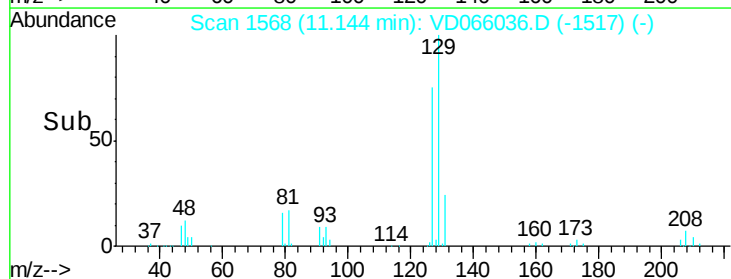
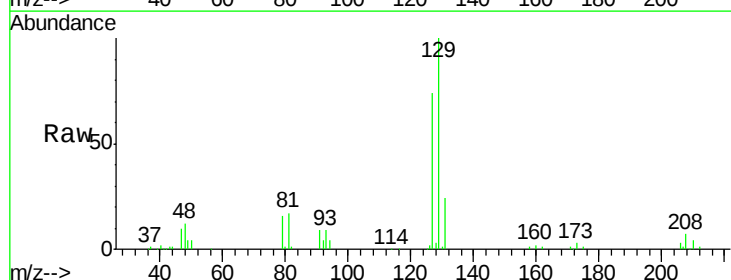
Manual Integrations
APPROVED

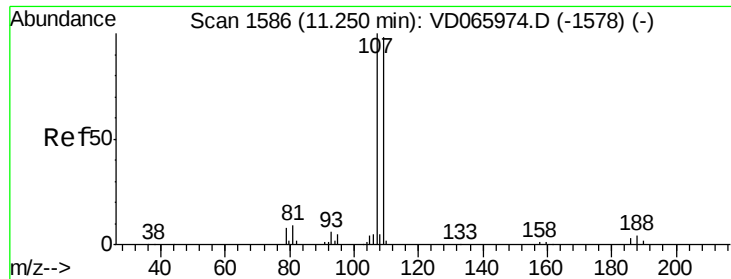
MMDadoda
7/24/2020 1:00:05 PM



#60
Dibromochloromethane
Concen: 56.043 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Tgt Ion:129 Resp: 143162
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.7





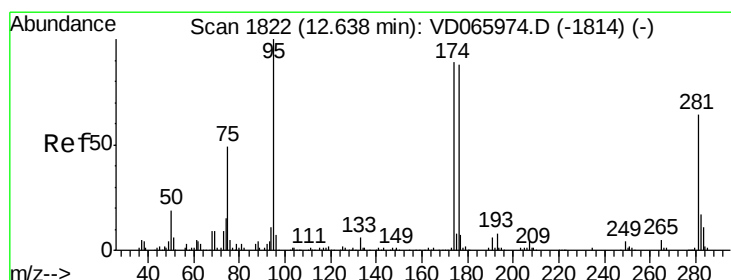
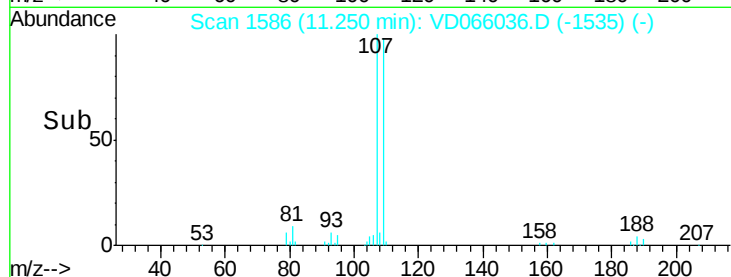
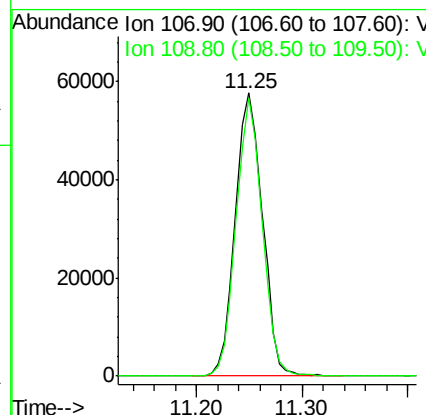
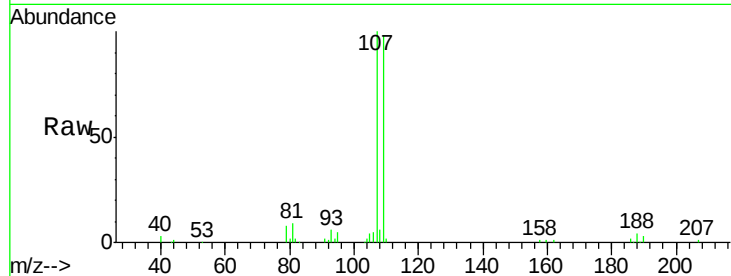
#61
 1,2-Dibromoethane
 Concen: 56.372 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD066036.D
 Acq: 23 Jul 2020 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.0	112.4

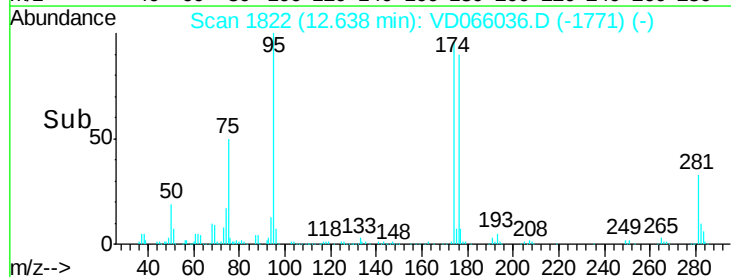
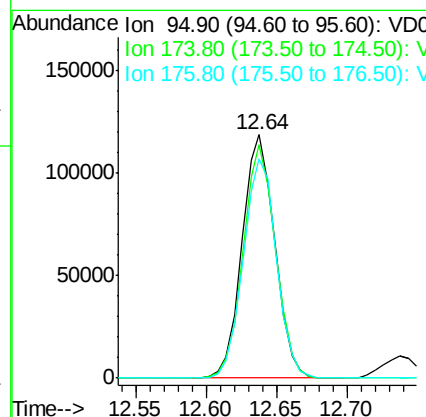
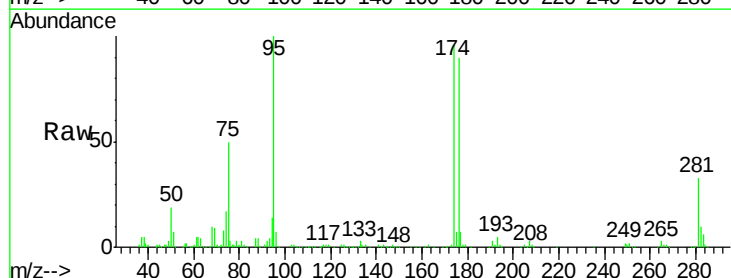
Manual Integrations
 APPROVED

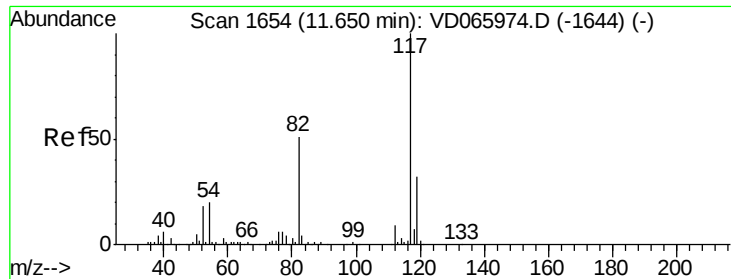
MMDadoda
 7/24/2020 1:00:05 PM



#62
 4-Bromofluorobenzene
 Concen: 57.068 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD066036.D
 Acq: 23 Jul 2020 20:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.0	0.0	178.8
176	91.5	0.0	172.6





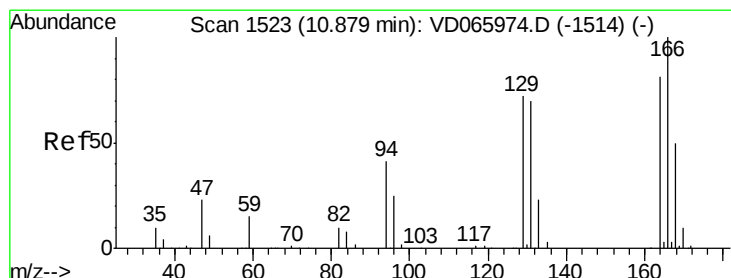
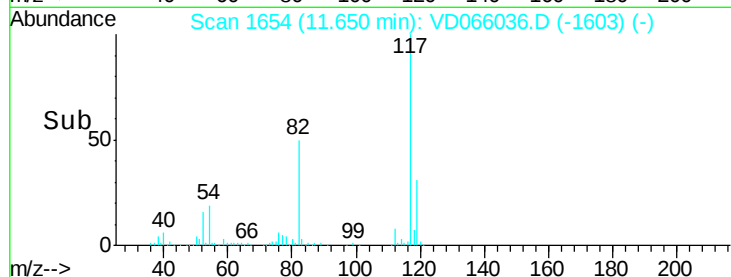
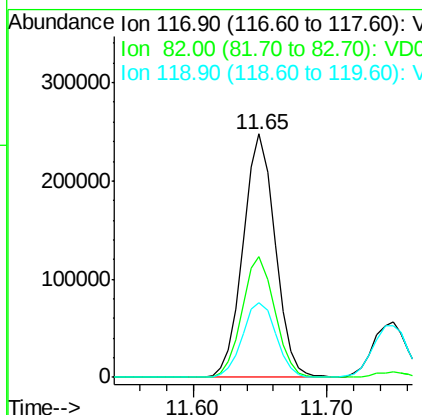
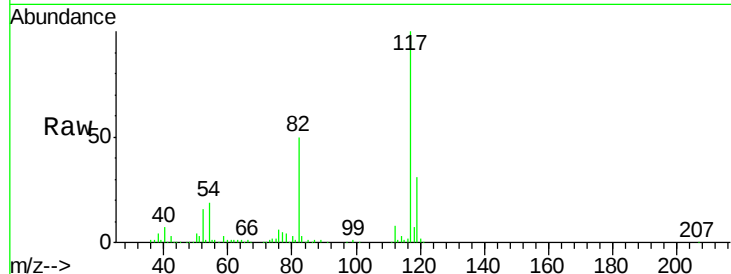
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.5	41.1	61.7
119	30.6	25.9	38.9

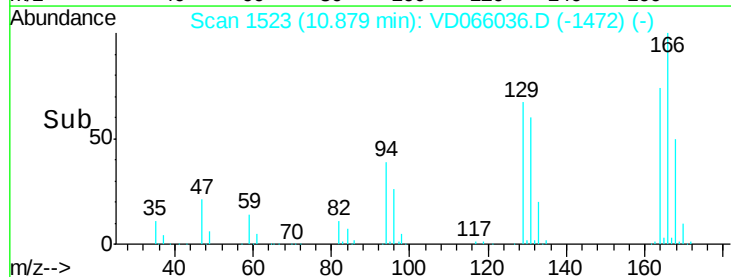
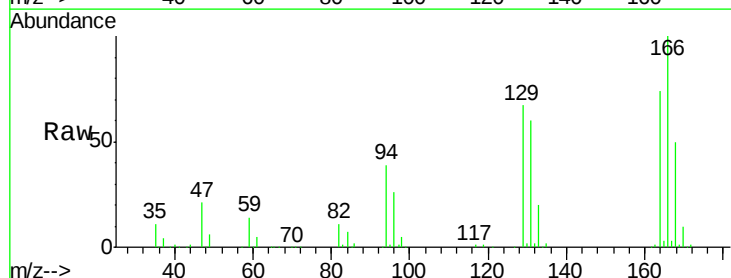
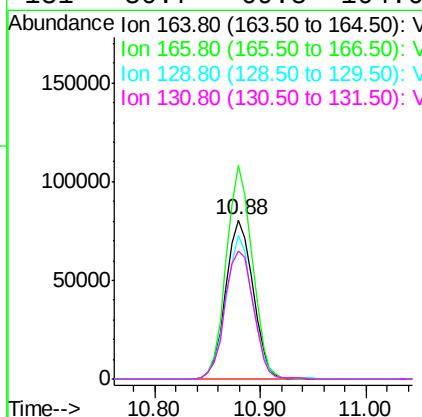
Manual Integrations
APPROVED

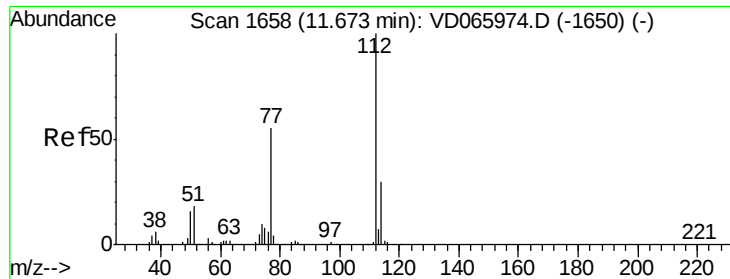
MMDadoda
7/24/2020 1:00:05 PM



#64
Tetrachloroethene
Concen: 51.781 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.2	99.1	148.7
129	90.5	71.5	107.3
131	80.7	69.8	104.6





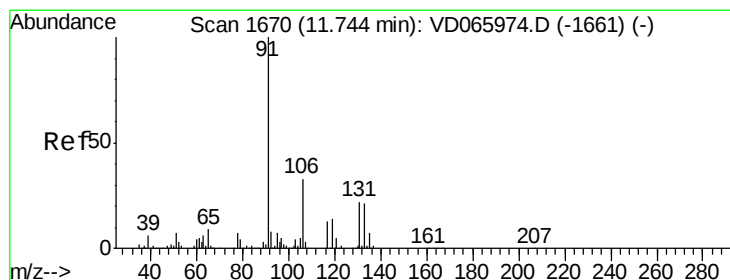
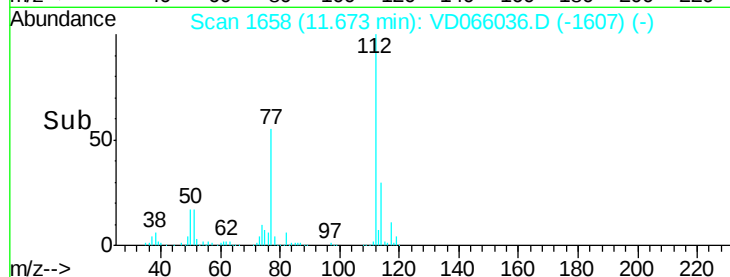
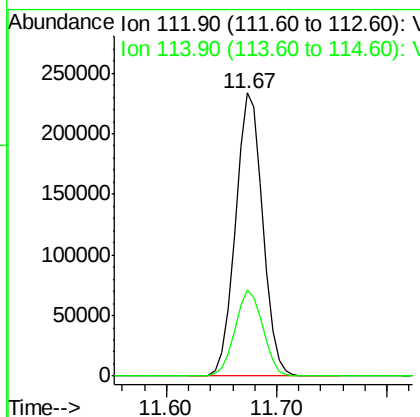
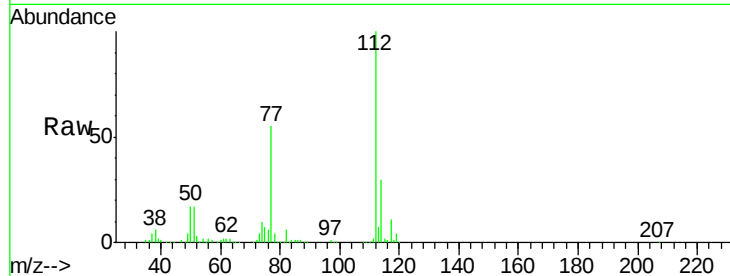
#65
Chlorobenzene
Concen: 53.739 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 404540
Ion Ratio Lower Upper
112 100
114 30.4 24.4 36.6

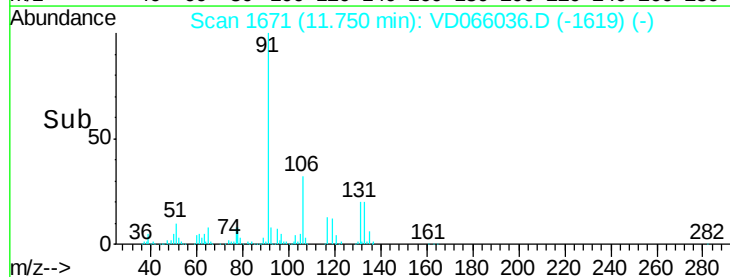
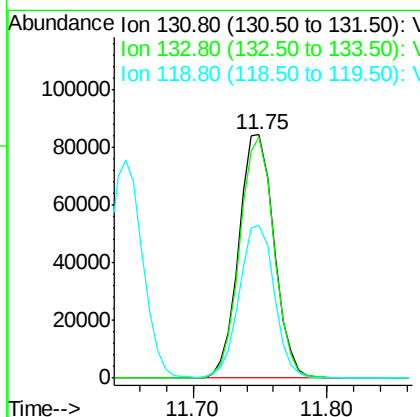
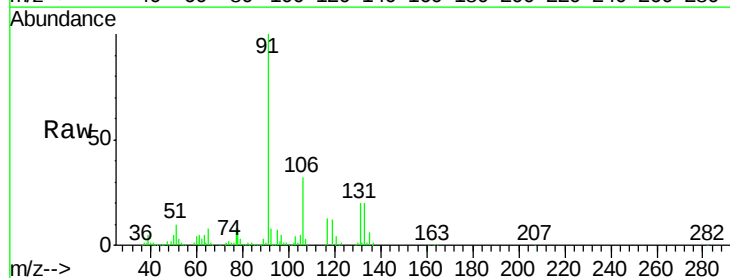
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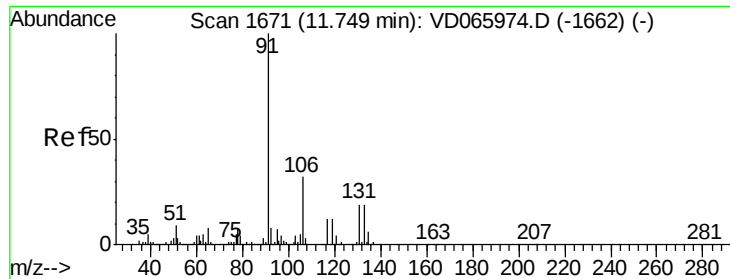
MMDadoda
7/24/2020 1:00:05 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.465 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Tgt Ion:131 Resp: 154170
Ion Ratio Lower Upper
131 100
133 95.9 47.3 142.0
119 62.7 31.7 95.1





#67

Ethyl Benzene

Concen: 53.134 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 688337

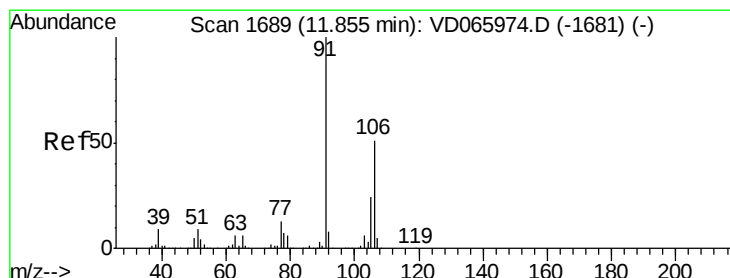
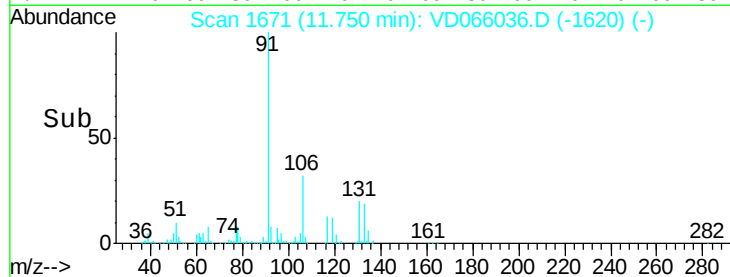
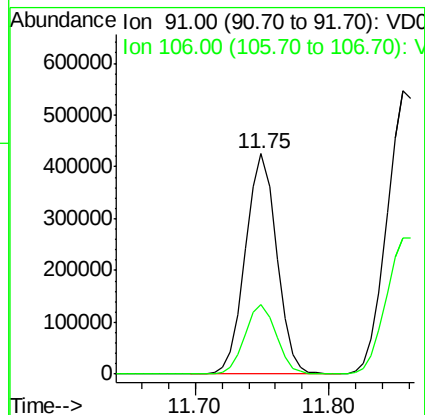
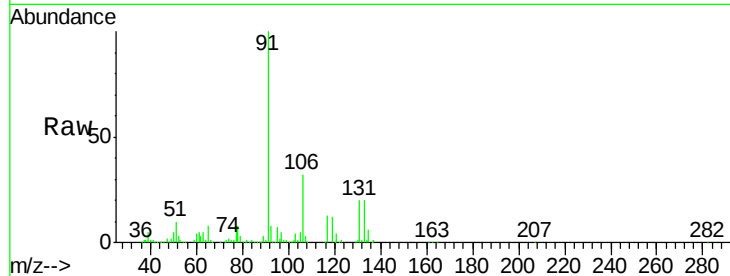
Ion Ratio Lower Upper

91 100

106 31.7 25.7 38.5

Manual Integrations
APPROVED

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7/24/2020 1:00:05 PM



#68

m/p-Xylenes

Concen: 106.896 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD066036.D

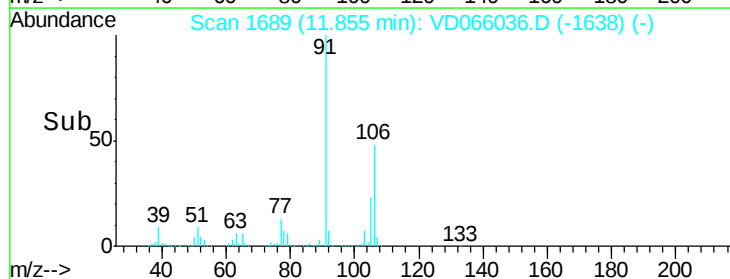
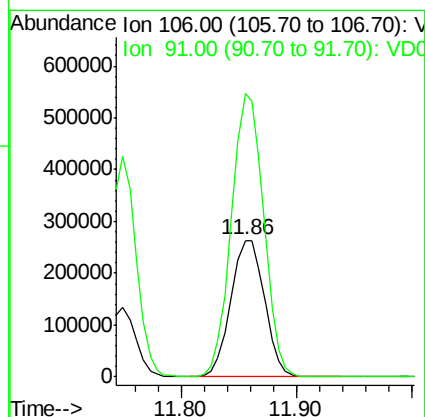
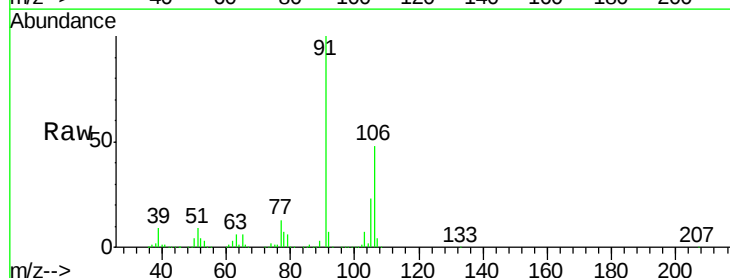
Acq: 23 Jul 2020 20:36

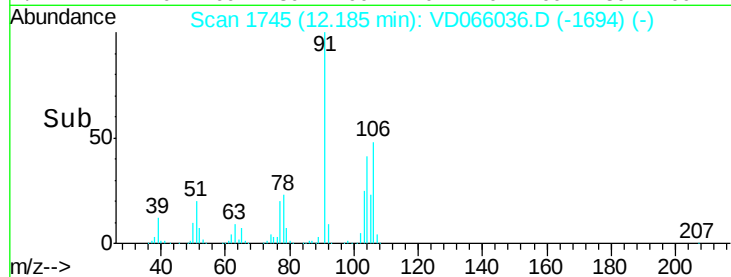
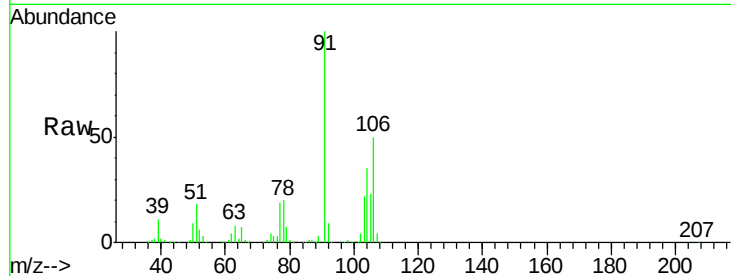
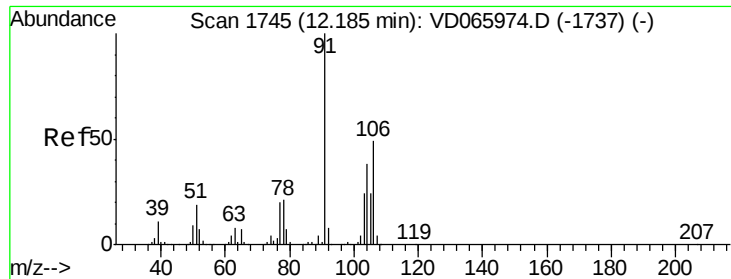
Tgt Ion: 106 Resp: 532265

Ion Ratio Lower Upper

106 100

91 199.1 157.0 235.6





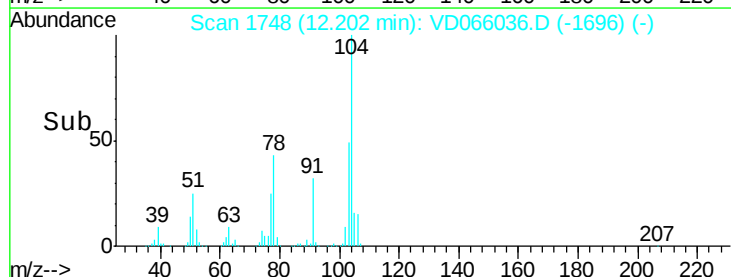
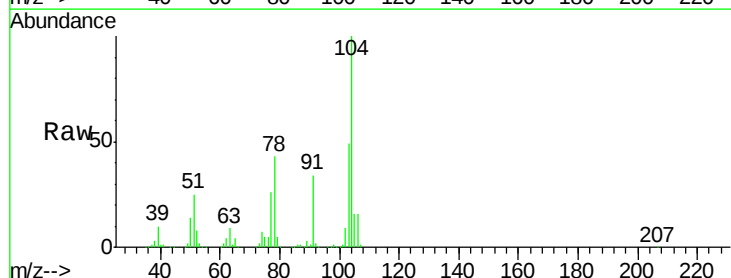
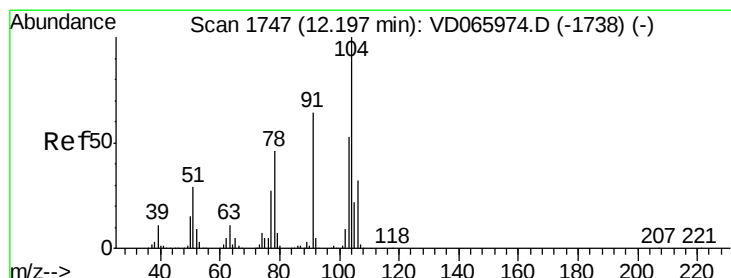
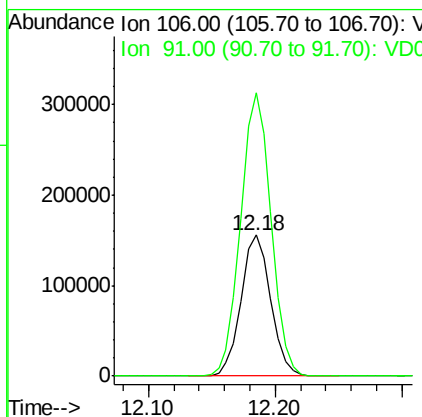
#69
o-Xylene
Concen: 55.956 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Tot Ion:106 Resp: 253415
Ion Ratio Lower Upper
106 100
91 205.6 103.1 309.3

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

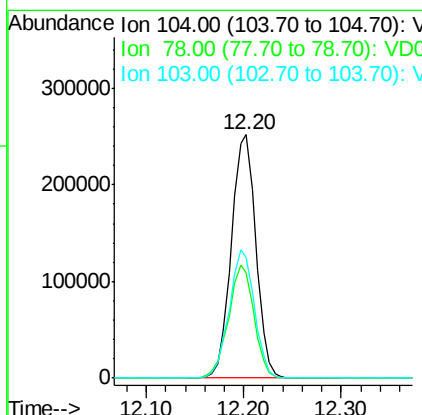
Manual Integrations
APPROVED

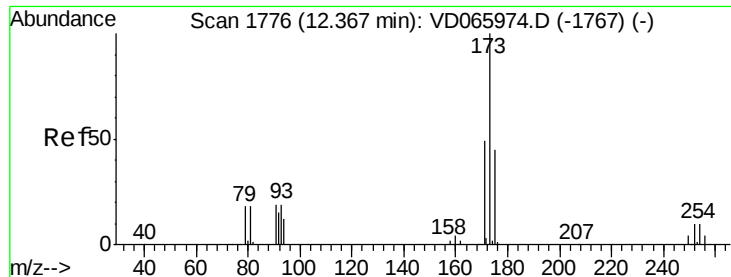
MMDadoda
7/24/2020 1:00:05 PM



#70
Styrene
Concen: 56.335 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Tgt Ion:104 Resp: 438358
Ion Ratio Lower Upper
104 100
78 48.3 38.3 57.5
103 54.2 43.8 65.8





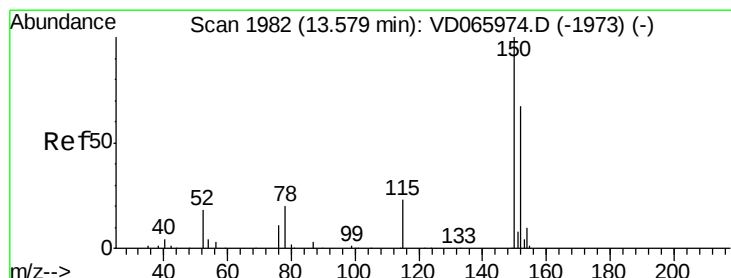
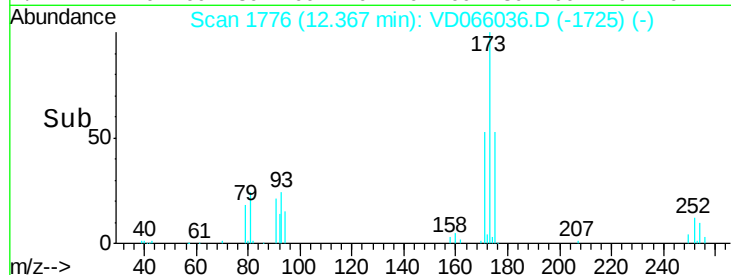
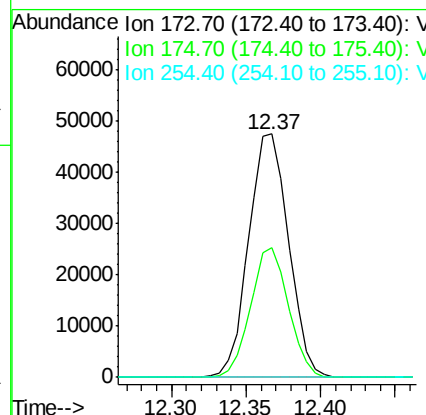
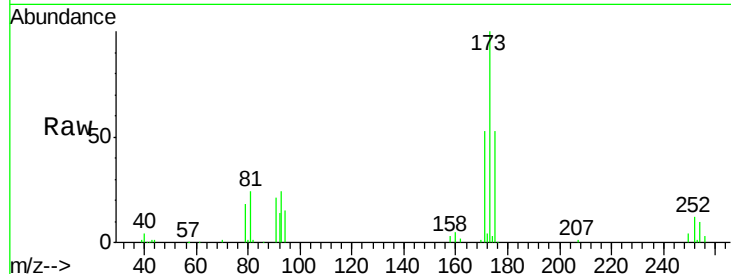
#71
Bromoform
Concen: 53.848 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.5	24.1	72.3
254	0.0	0.0	0.0

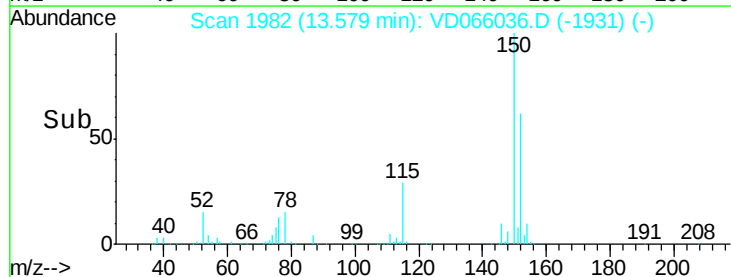
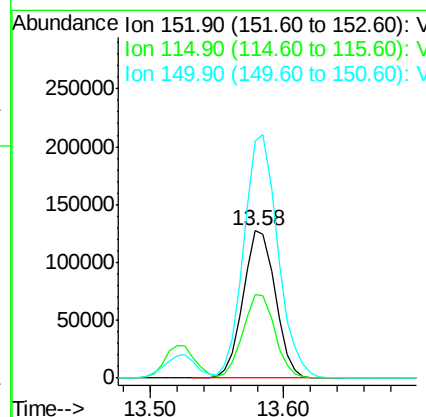
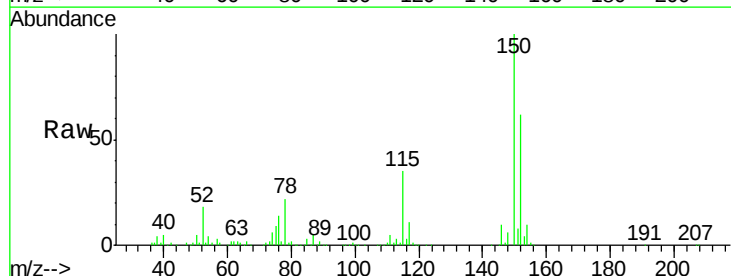
Manual Integrations
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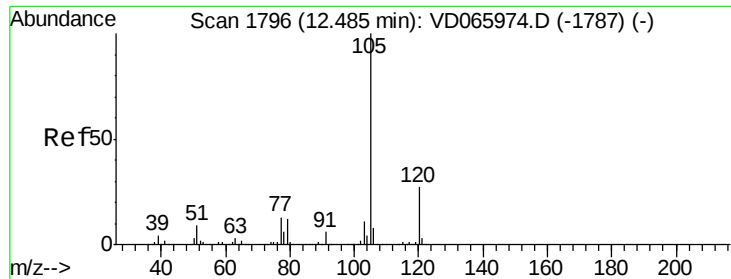
MMDadoda
7/24/2020 1:00:05 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	27.9	83.7
150	174.7	0.0	348.2





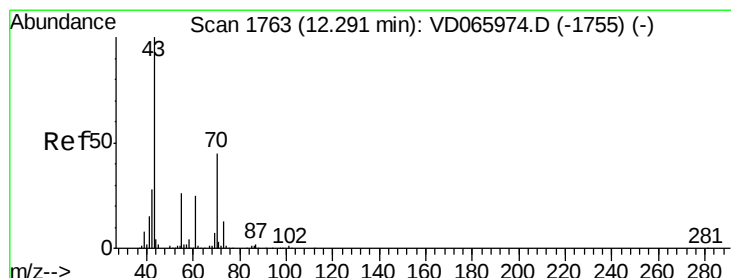
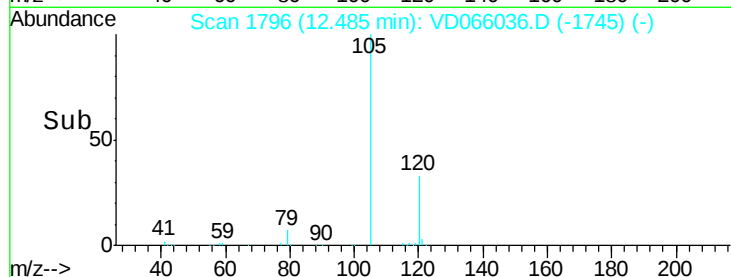
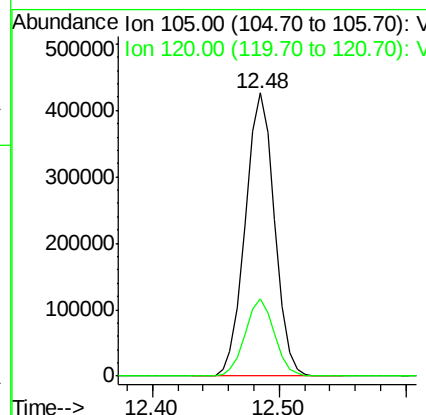
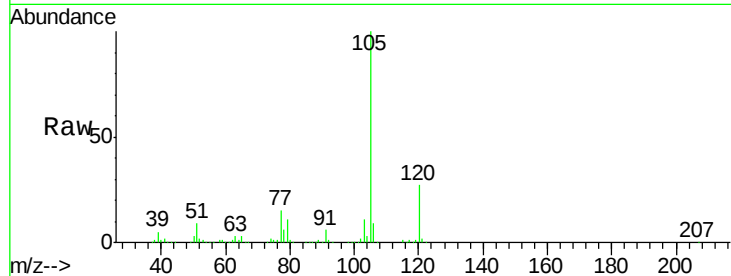
#73
Isopropylbenzene
Concen: 53.003 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.6	40.8

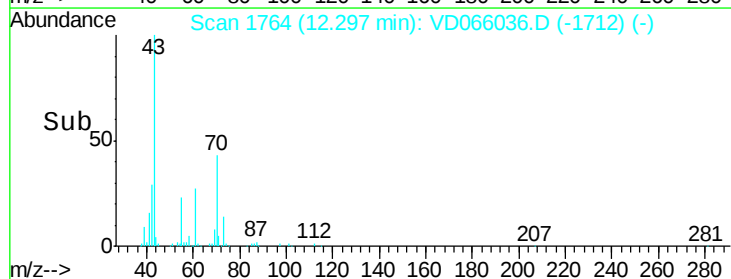
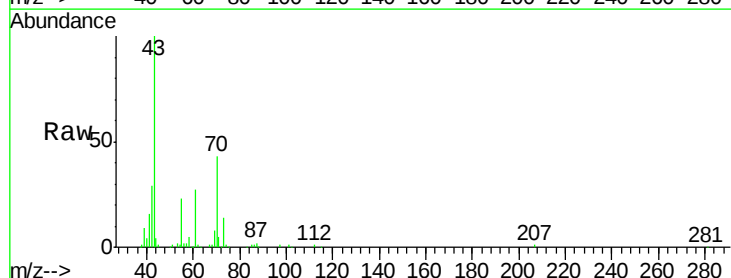
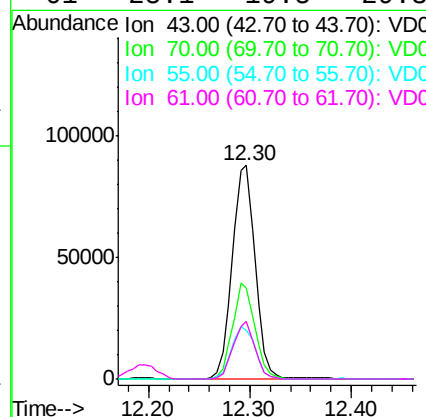
Manual Integrations
APPROVED

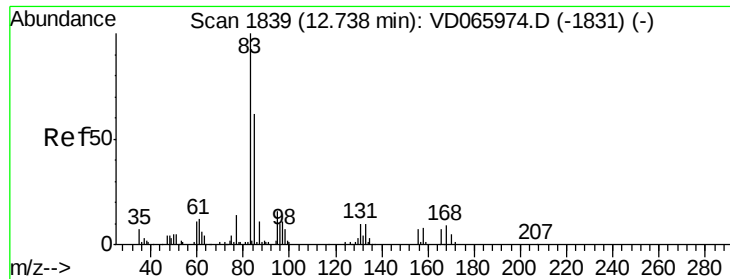
MMDadoda
7/24/2020 1:00:05 PM



#74
N-ethyl acetate
Concen: 51.859 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.6	34.6	51.8
55	25.2	20.3	30.5
61	25.1	19.5	29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 51.649 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Instrument :

MSVOA_D

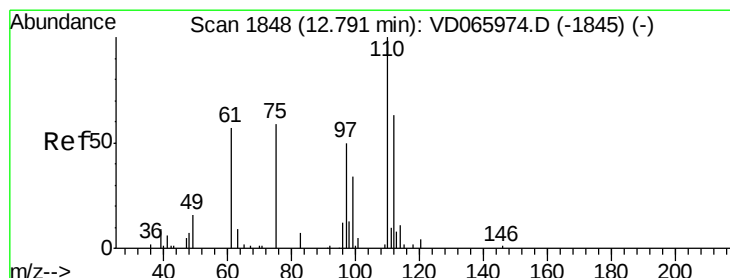
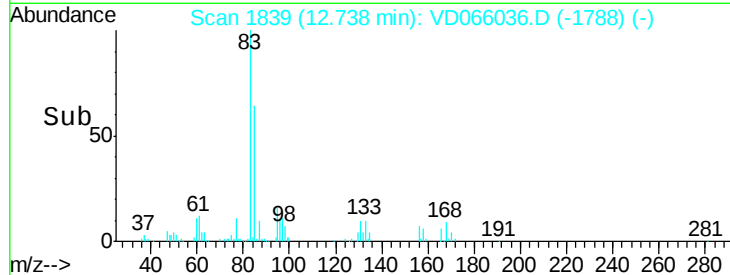
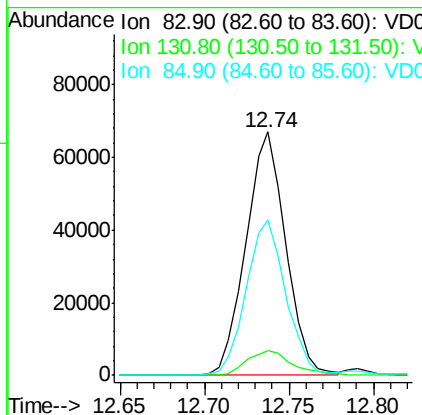
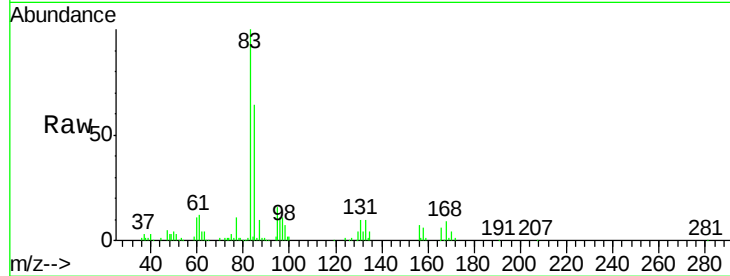
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	109691
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.7	17.1
85	63.6	31.9	95.5

Manual Integrations
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7/24/2020 1:00:05 PM



#76

1,2,3-Trichloropropane

Concen: 49.718 ug/l m

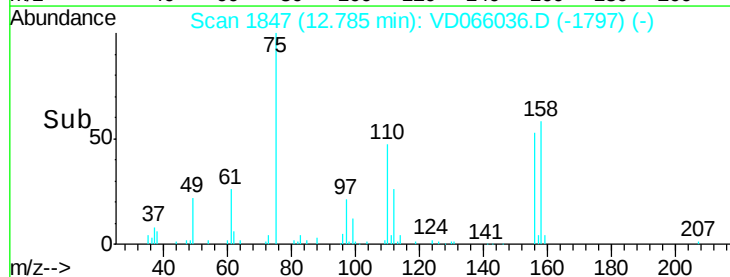
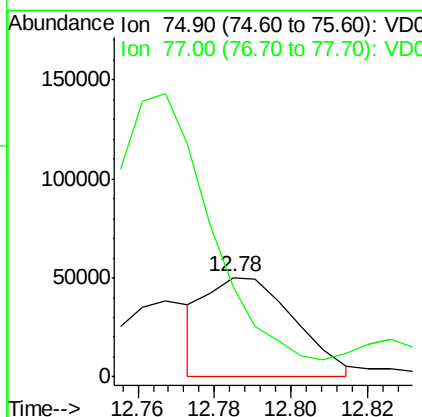
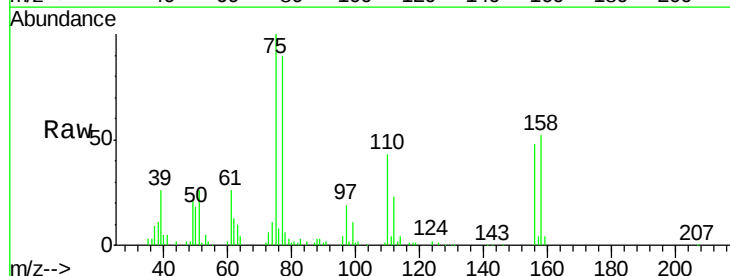
RT: 12.78 min Scan# 1847

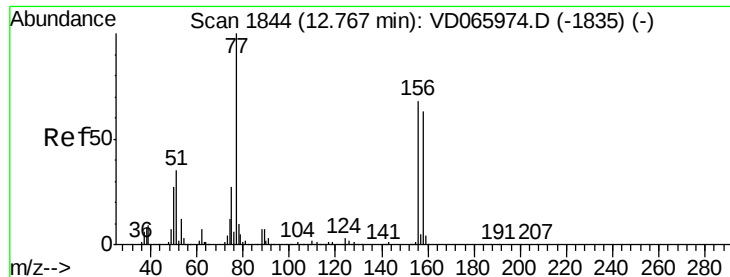
Delta R.T. -0.01 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Tgt Ion:	75	Resp:	79502
Ion Ratio	Lower	Upper	
75	100		
77	346.9	0.0	0.0#





#77

Bromobenzene

Concen: 52.947 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Instrument :

MSVOA_D

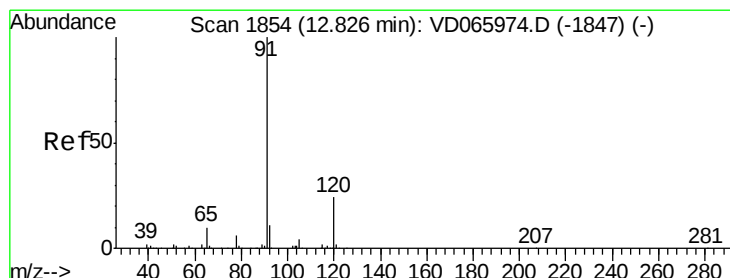
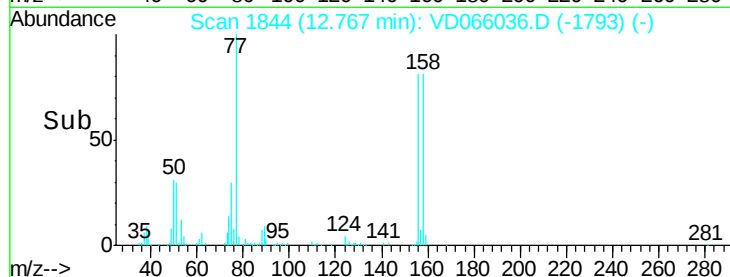
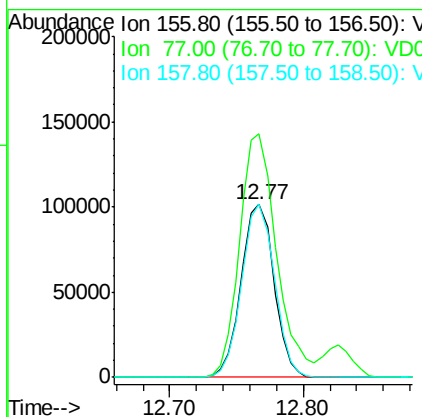
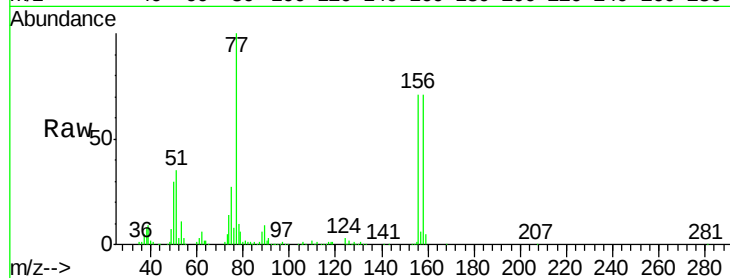
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	173887
Ion Ratio	Lower	Upper	
156	100		
77	158.6	83.0	249.0
158	99.2	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 52.276 ug/l

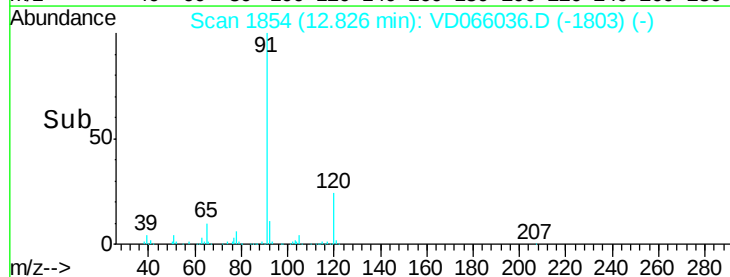
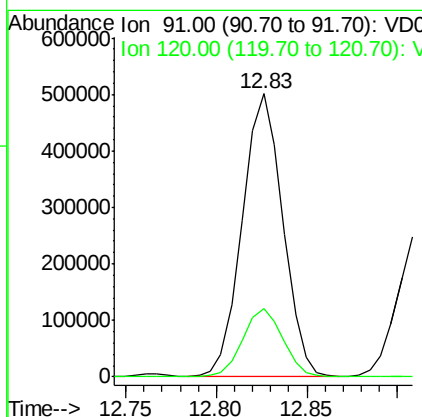
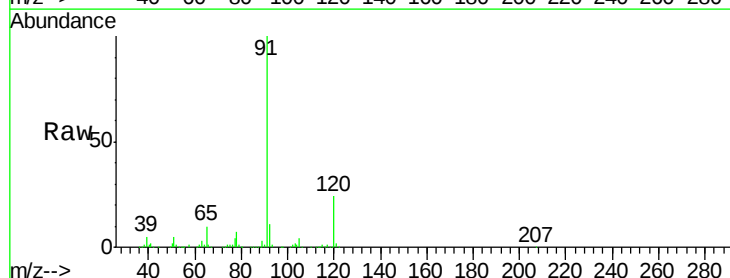
RT: 12.83 min Scan# 1854

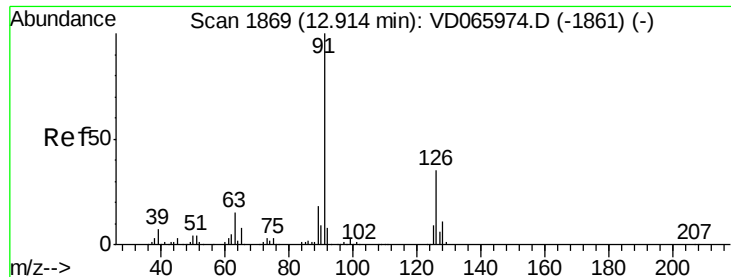
Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Tgt Ion:	91	Resp:	779538
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.0	36.0





#79

2-Chlorotoluene

Concen: 52.379 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 446238

Ion Ratio Lower Upper

91 100

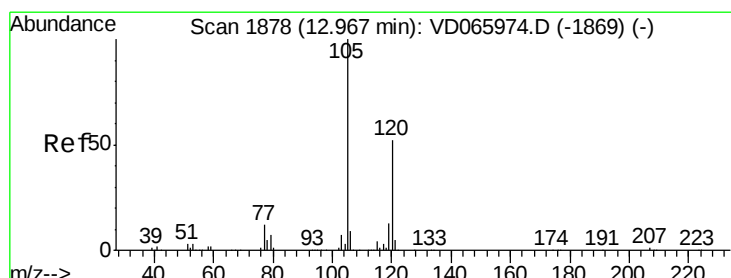
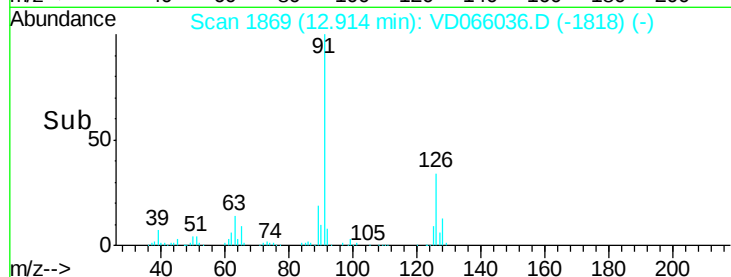
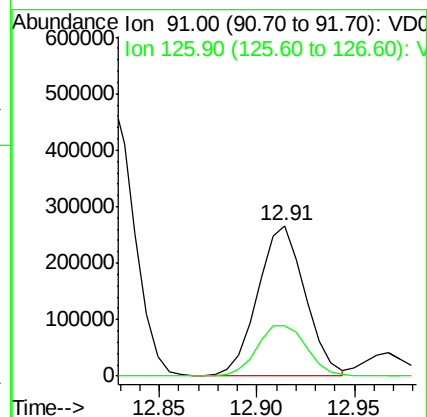
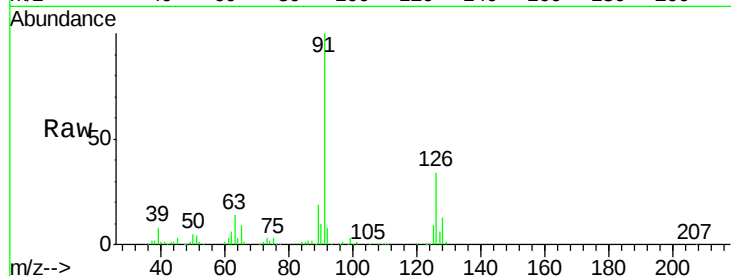
126 35.7 17.7 53.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 54.657 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD066036.D

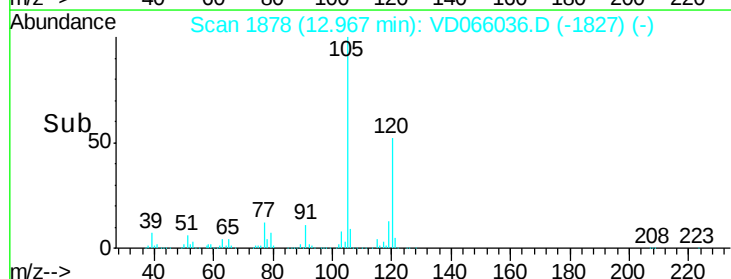
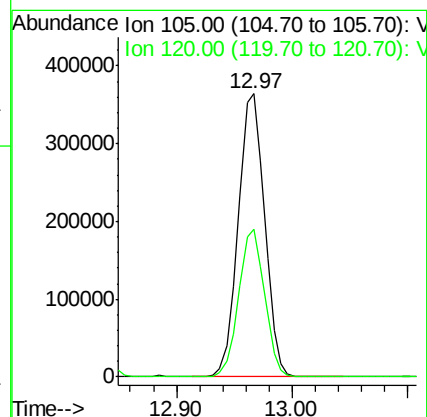
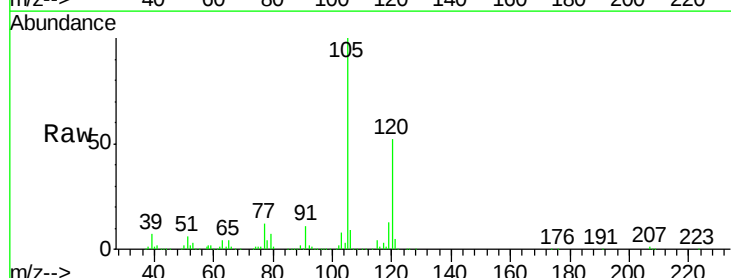
Acq: 23 Jul 2020 20:36

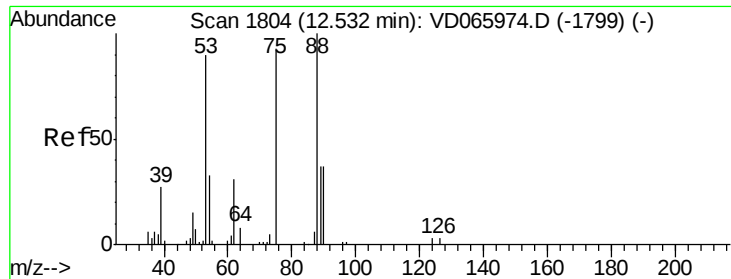
Tgt Ion: 105 Resp: 577061

Ion Ratio Lower Upper

105 100

120 51.0 25.6 76.6





#81

trans-1,4-Dichloro-2-butene

Concen: 51.044 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Instrument :

MSVOA_D

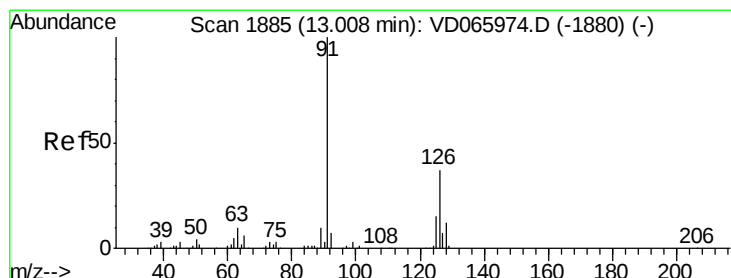
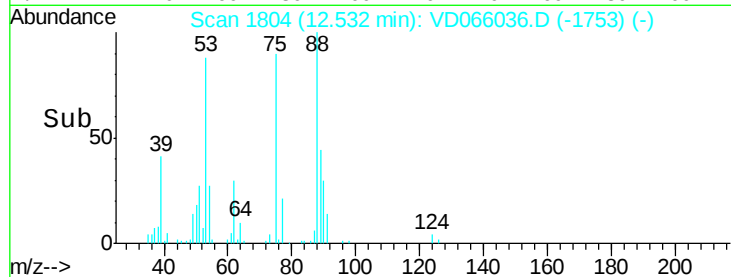
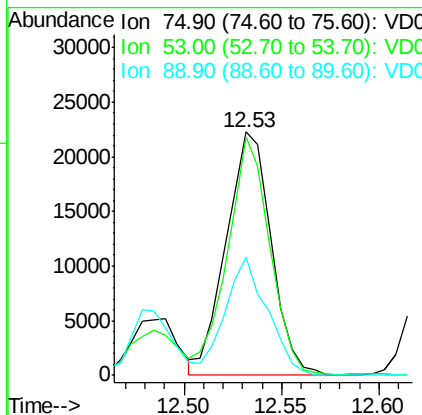
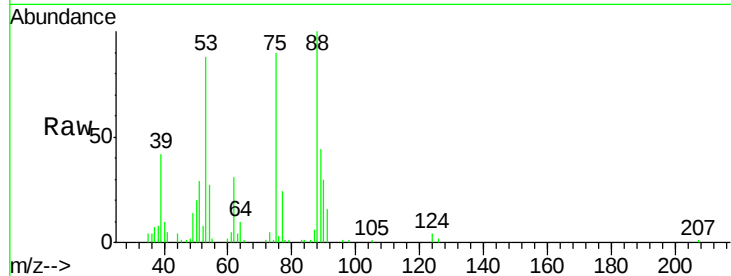
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	35571
Ion	Ratio	Lower	Upper
75	100		
53	92.5	76.8	115.2
89	45.1	37.0	55.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.974 ug/l

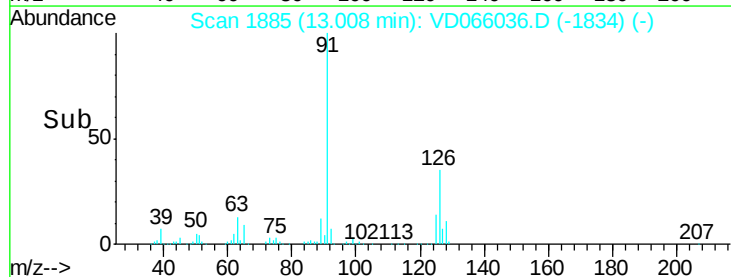
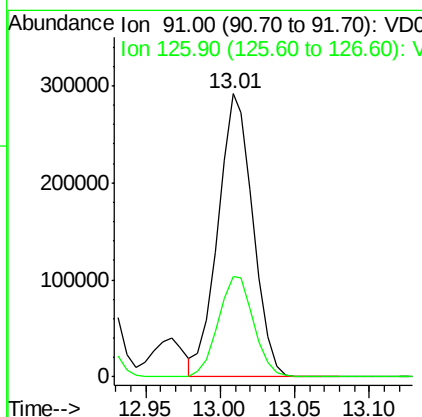
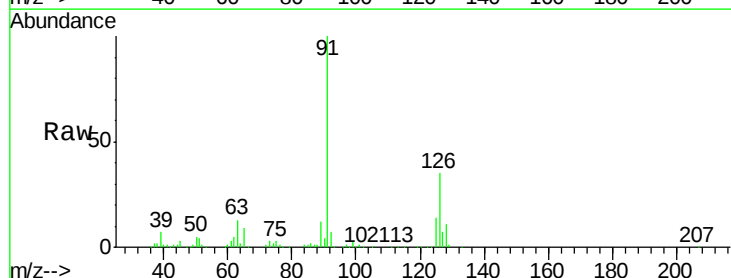
RT: 13.01 min Scan# 1885

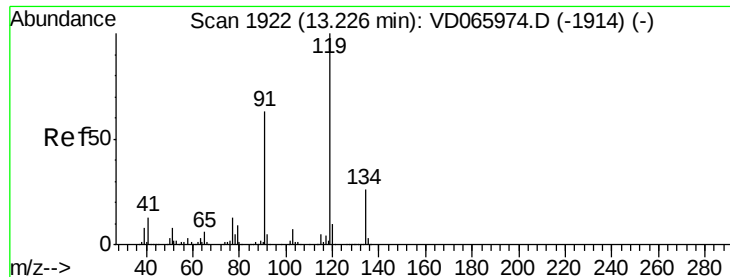
Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Tgt Ion:	91	Resp:	476358
Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.8	53.5





#83

tert-Butylbenzene

Concen: 54.011 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Instrument :

MSVOA_D

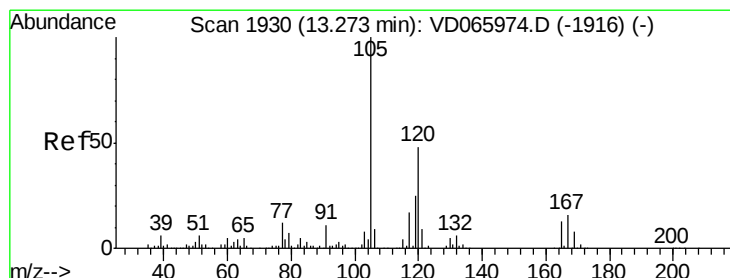
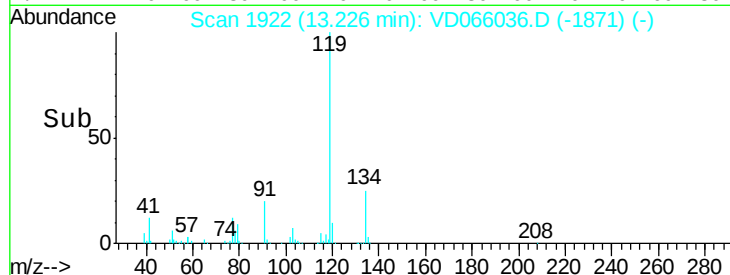
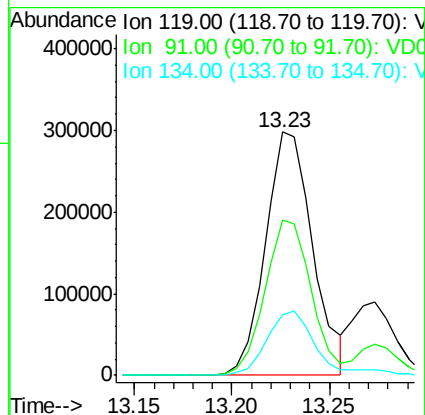
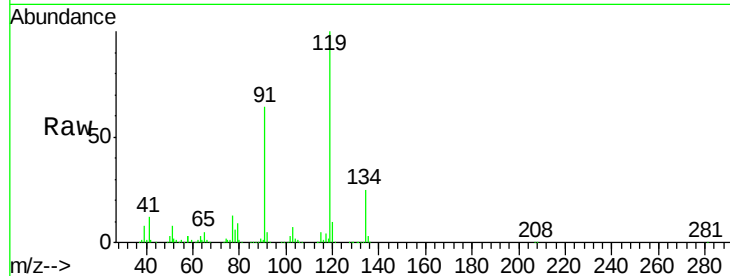
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	498997
Ion Ratio	Lower	Upper	
119	100		
91	62.2	30.6	91.6
134	26.0	13.9	41.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 55.444 ug/l

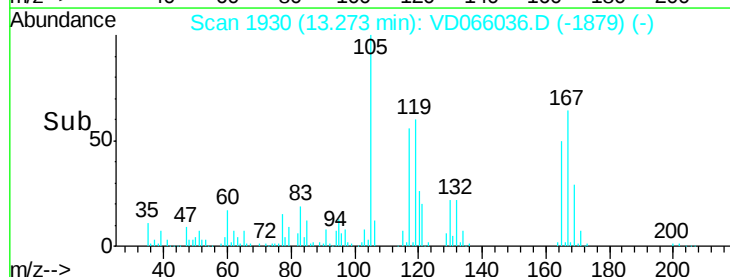
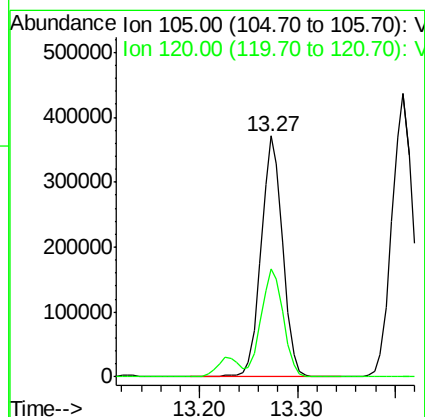
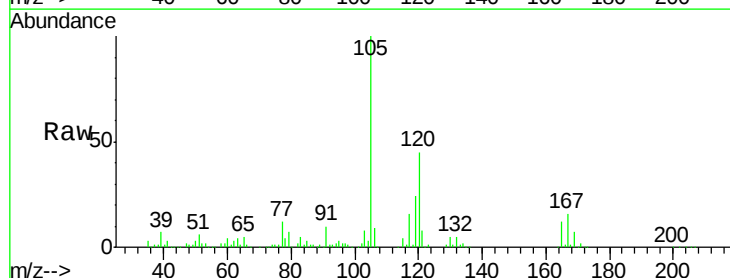
RT: 13.27 min Scan# 1930

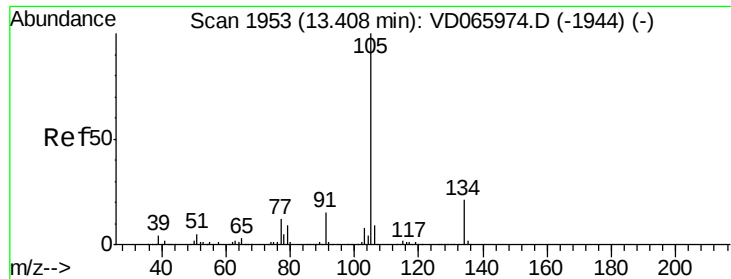
Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Tgt Ion:	105	Resp:	577511
Ion Ratio	Lower	Upper	
105	100		
120	46.5	23.9	71.8





#85

sec-Butylbenzene

Concen: 51.948 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 661067

Ion Ratio Lower Upper

105 100

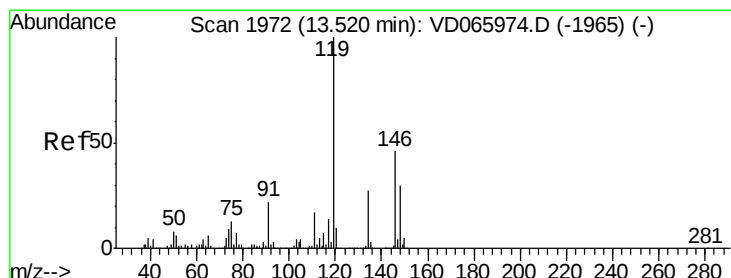
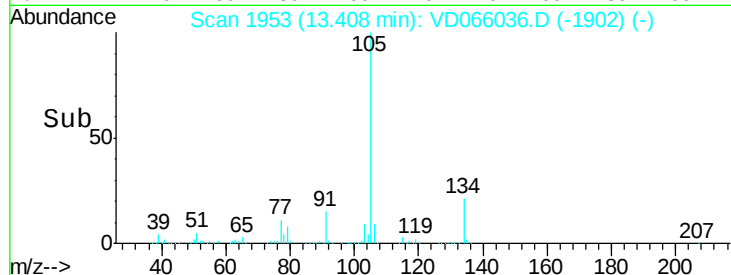
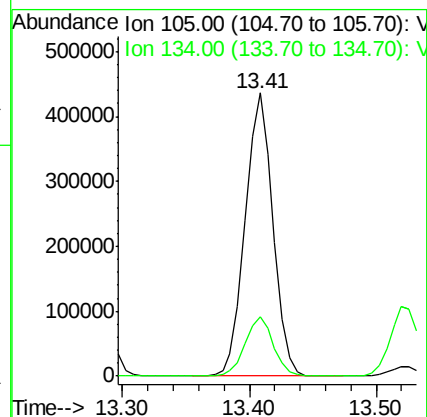
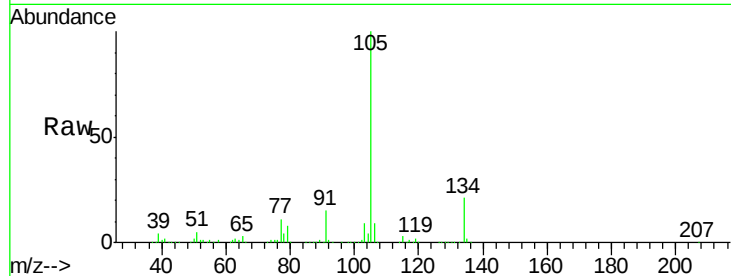
134 21.1 10.4 31.4

Manual Integrations

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7/24/2020 1:00:05 PM



#86

p-Isopropyltoluene

Concen: 54.108 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

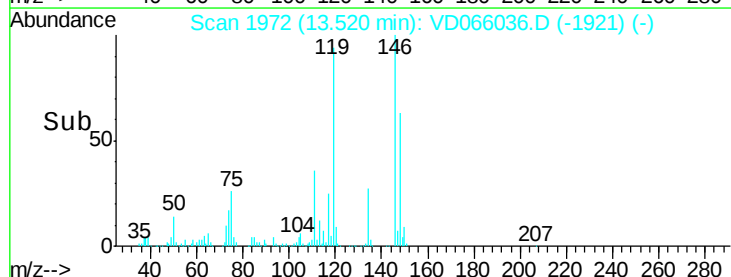
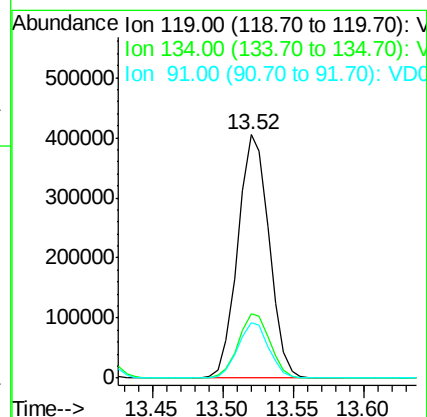
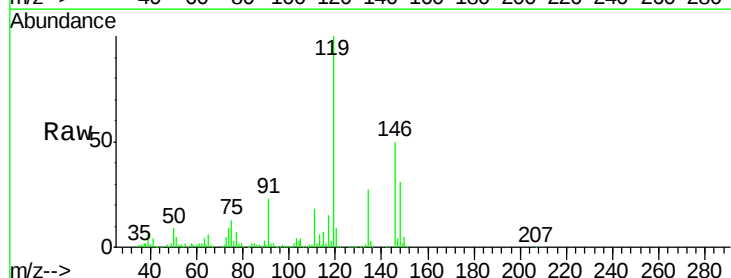
Tgt Ion:119 Resp: 625541

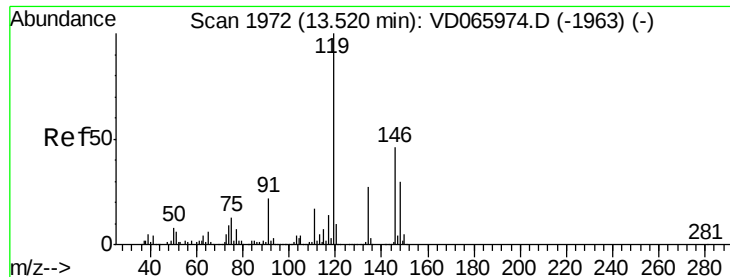
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 22.5 11.1 33.3





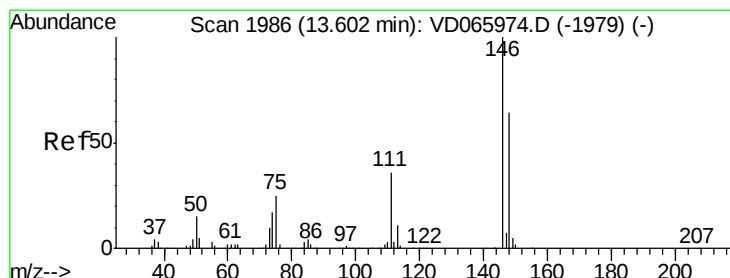
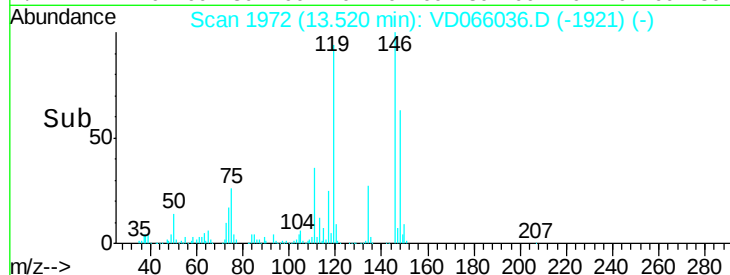
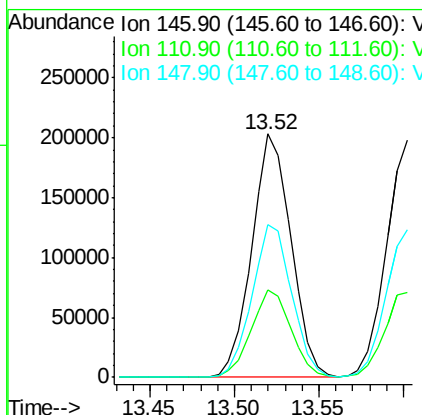
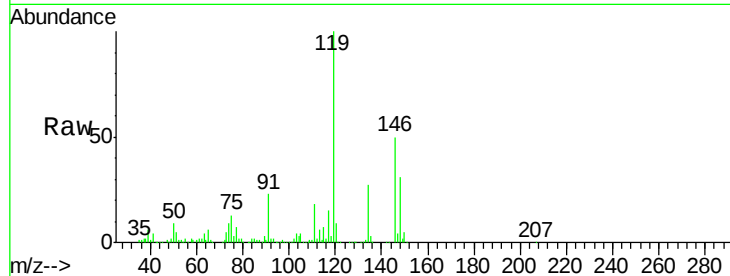
#87
 1,3-Dichlorobenzene
 Concen: 53.817 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066036.D
 Acq: 23 Jul 2020 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.6	55.6
148	63.4	32.4	97.0

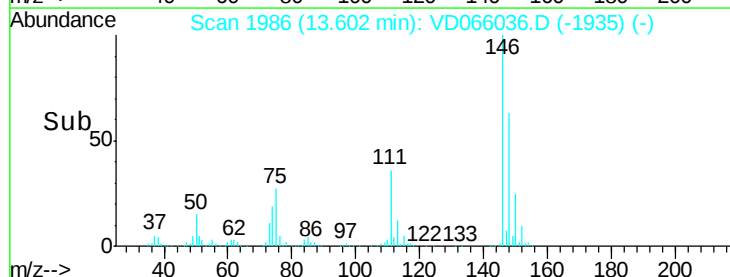
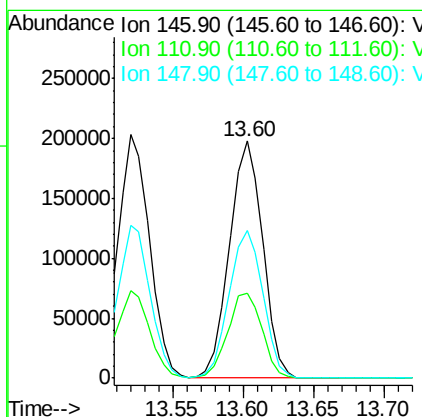
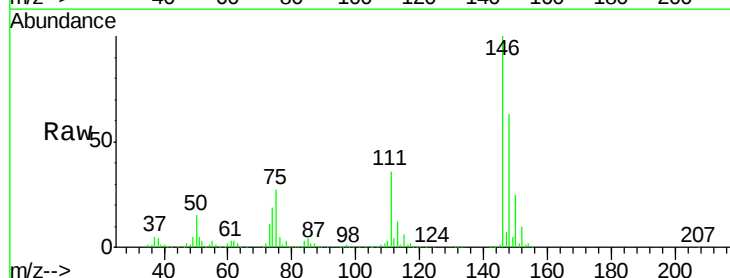
Manual Integrations
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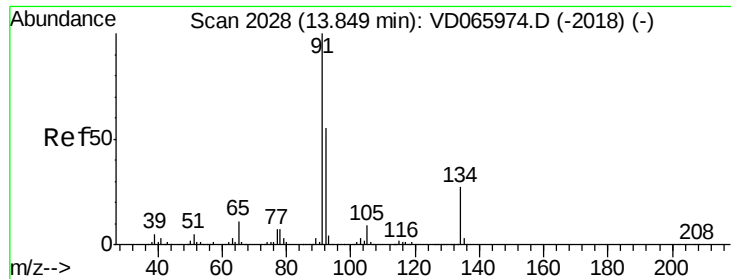
MMDadoda
 7/24/2020 1:00:05 PM



#88
 1,4-Dichlorobenzene
 Concen: 52.780 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD066036.D
 Acq: 23 Jul 2020 20:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.8	56.4
148	63.5	32.2	96.6





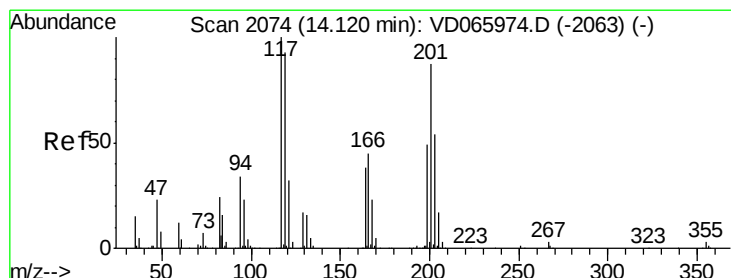
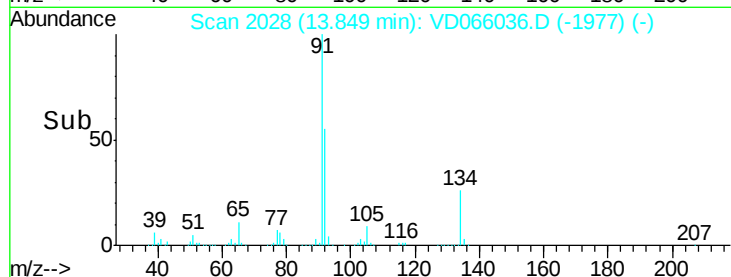
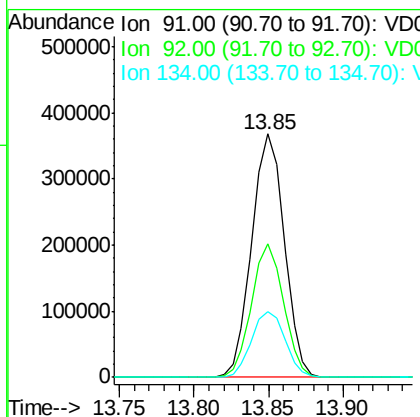
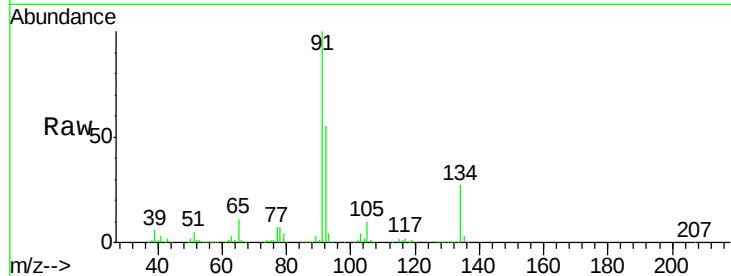
#89
n-Butylbenzene
Concen: 51.667 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.2	81.6
134	27.9	13.8	41.4

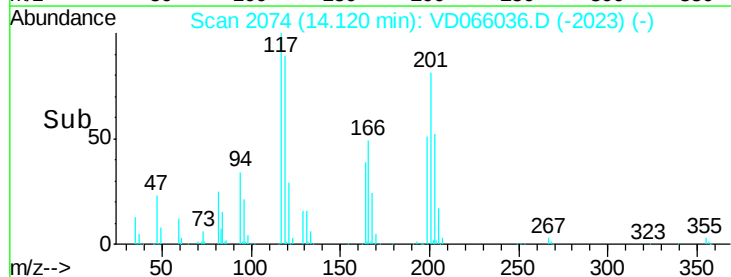
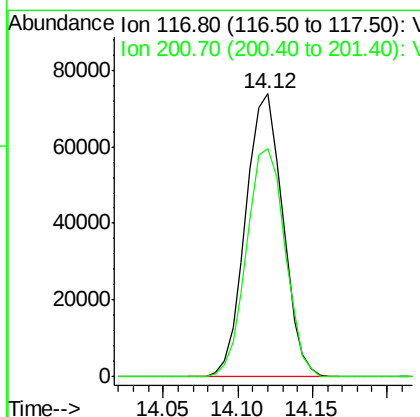
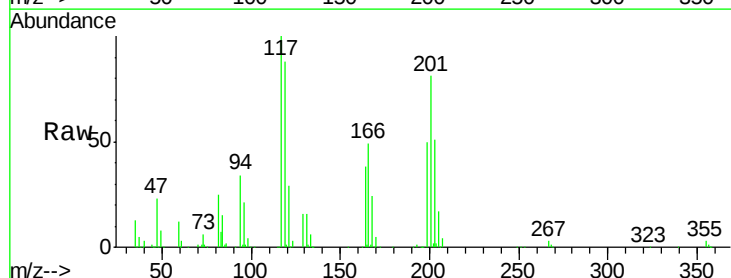
Manual Integrations
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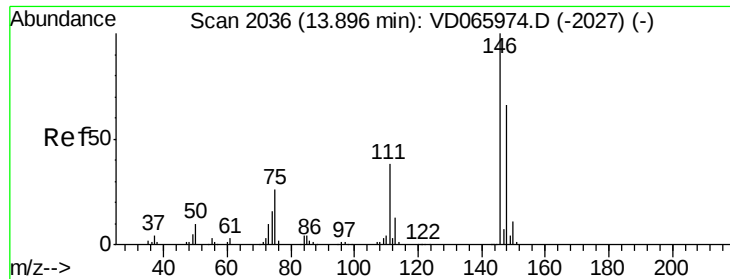
MMDadoda
7/24/2020 1:00:05 PM



#90
Hexachloroethane
Concen: 53.258 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD066036.D
Acq: 23 Jul 2020 20:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.4	42.0	126.1





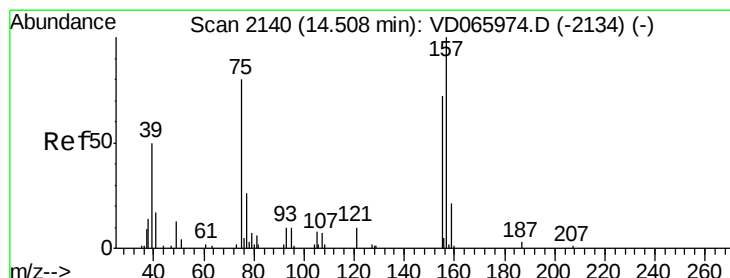
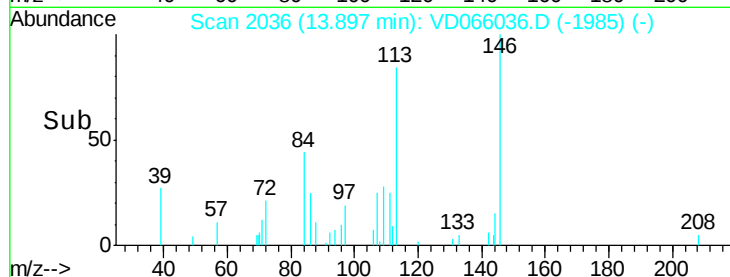
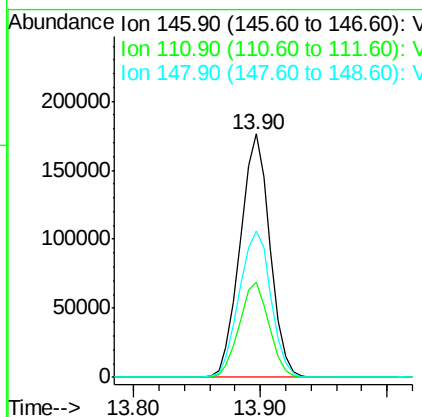
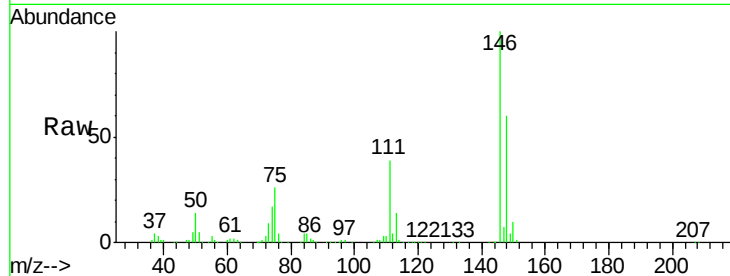
#91
 1,2-Dichlorobenzene
 Concen: 54.397 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066036.D
 Acq: 23 Jul 2020 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.3	57.9
148	64.0	32.7	98.1

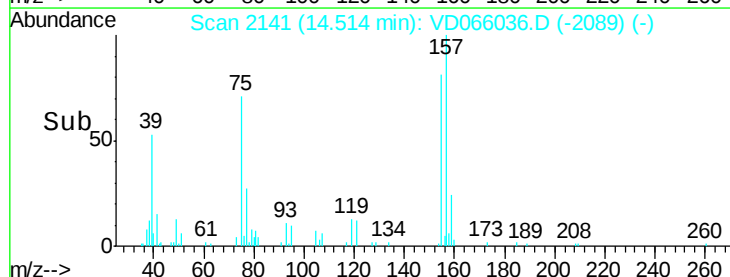
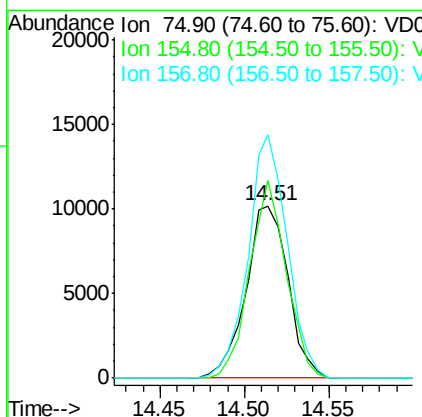
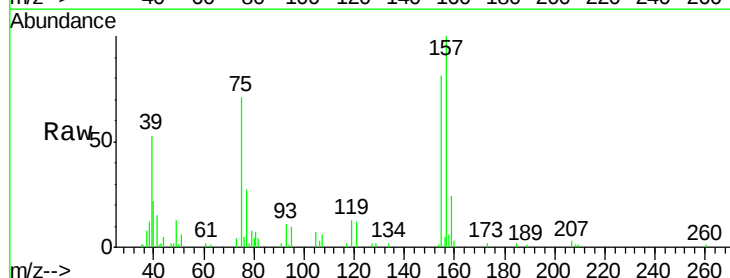
Manual Integrations
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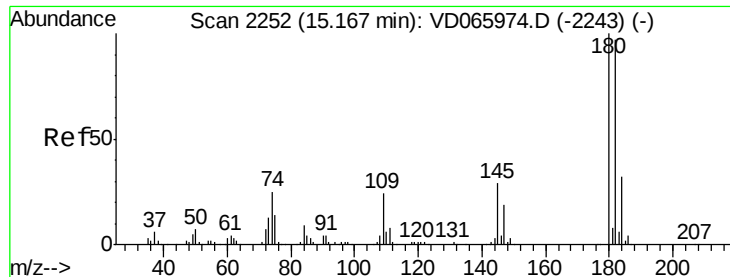
MMDadoda
 7/24/2020 1:00:05 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.936 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD066036.D
 Acq: 23 Jul 2020 20:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.2	48.5	145.5
157	131.2	64.7	194.1





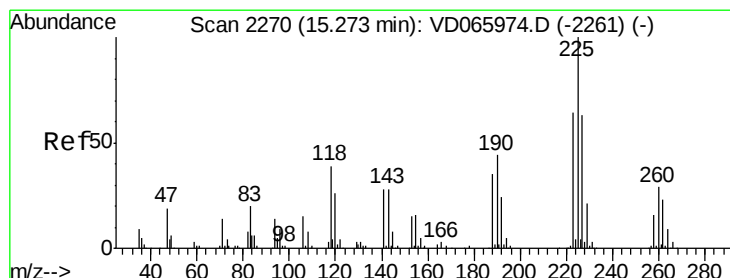
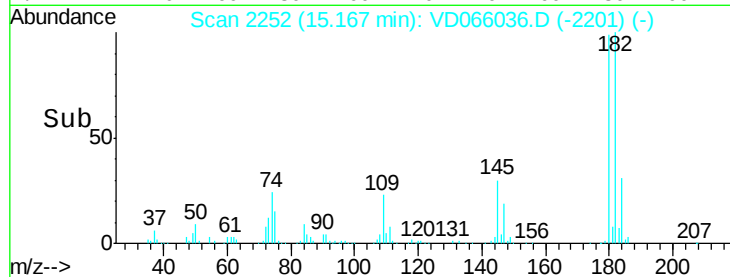
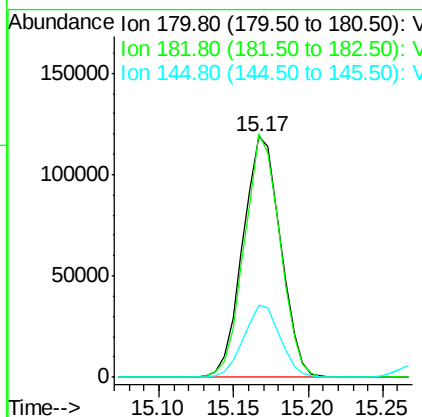
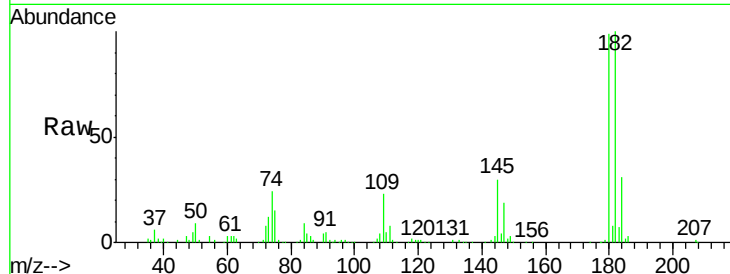
#93
 1,2,4-Trichlorobenzene
 Concen: 54.757 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066036.D
 Acq: 23 Jul 2020 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	207671
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.1	144.3
145	29.1	14.7	44.1

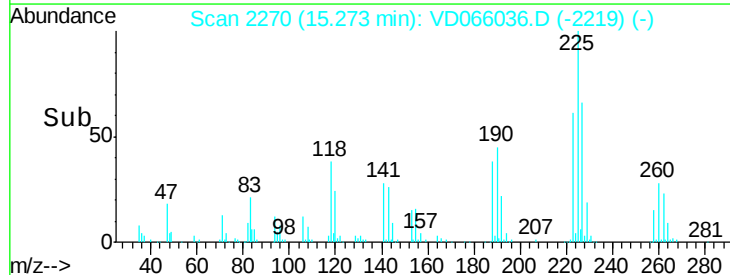
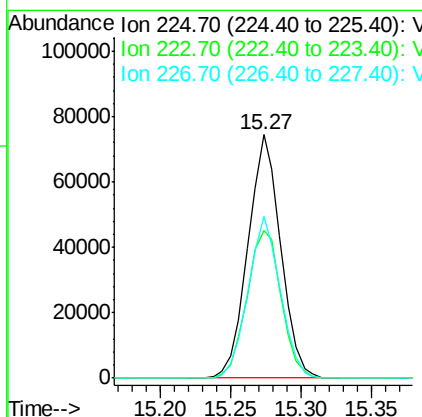
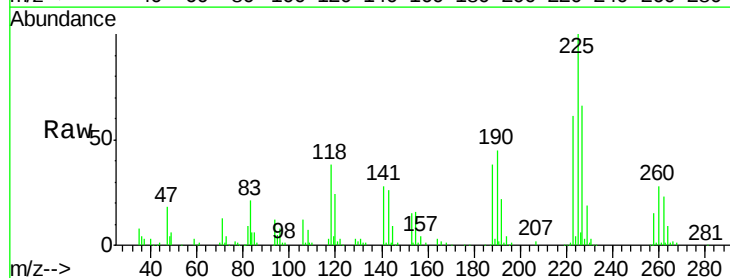
Manual Integrations
 APPROVED

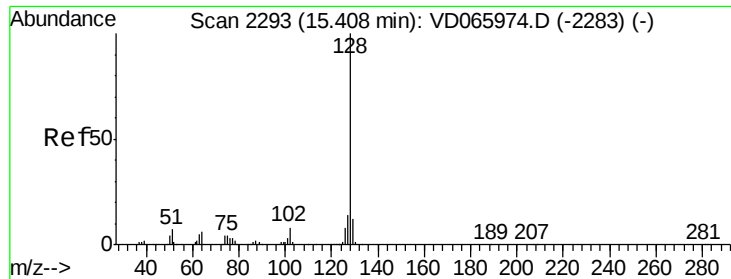
MMDadoda
 7/24/2020 1:00:05 PM



#94
 Hexachlorobutadiene
 Concen: 51.642 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066036.D
 Acq: 23 Jul 2020 20:36

Tgt Ion:	225	Resp:	121086
Ion Ratio	Lower	Upper	
225	100		
223	63.5	31.2	93.6
227	65.2	31.6	94.8





#95

Naphthalene

Concen: 50.781 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Instrument :

MSVOA_D

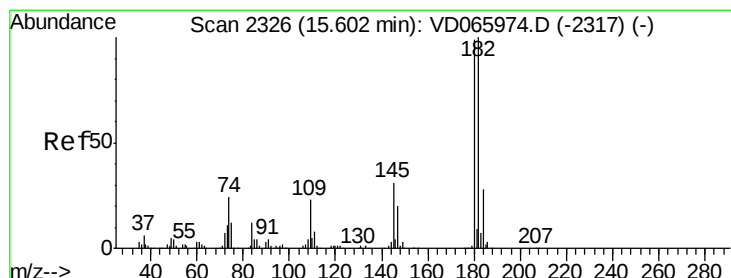
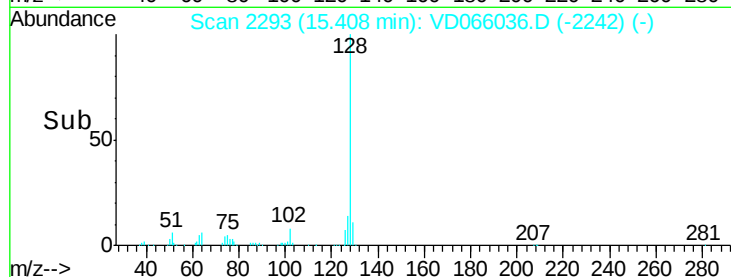
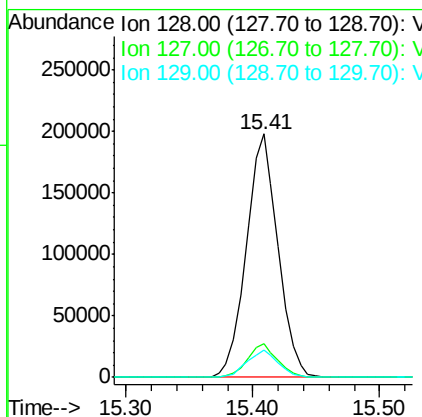
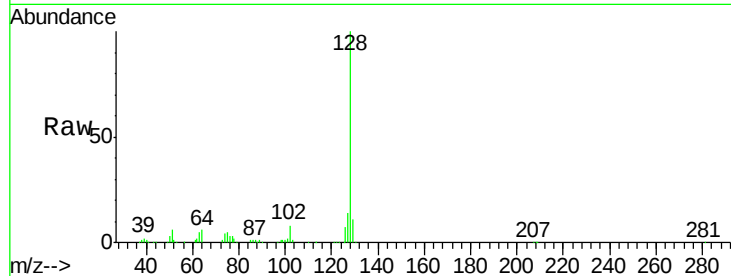
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	342894
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.8	16.2
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/24/2020 1:00:05 PM



#96

1,2,3-Trichlorobenzene

Concen: 55.924 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066036.D

Acq: 23 Jul 2020 20:36

Tgt Ion:	180	Resp:	184386
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.9	143.6
145	29.9	15.4	46.2

