

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012920\
 Data File : VD065001.D
 Acq On : 29 Jan 2020 17:53
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/30/2020 10:27:16 AM

Quant Time: Jan 29 22:26:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	446871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	662035	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	594354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	293801	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	215859	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
35) Dibromofluoromethane	7.92	113	210589	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
50) Toluene-d8	10.34	98	790649	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
62) 4-Bromofluorobenzene	12.64	95	247782	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	158685	47.136	ug/l	95
3) Chloromethane	2.21	50	240025	48.647	ug/l	96
4) Vinyl Chloride	2.35	62	266159	46.967	ug/l	98
5) Bromomethane	2.77	94	170139	44.632	ug/l	100
6) Chloroethane	2.93	64	176303	47.189	ug/l	98
7) Trichlorofluoromethane	3.27	101	413489	47.245	ug/l	98
8) Diethyl Ether	3.71	74	97251	49.222	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	200319	49.196	ug/l	99
10) Methyl Iodide	4.30	142	207368	47.978	ug/l	99
11) Tert butyl alcohol	5.26	59	54810	231.390	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	190114	48.874	ug/l	94
13) Acrolein	3.93	56	80295	270.403	ug/l	96
14) Allyl chloride	4.71	41	312793	50.418	ug/l	99
15) Acrylonitrile	5.43	53	219788	256.885	ug/l	97
16) Acetone	4.17	43	186429	178.358	ug/l	100
17) Carbon Disulfide	4.40	76	600623	46.916	ug/l	100
18) Methyl Acetate	4.72	43	98862	49.245	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	445556	51.263	ug/l	97
20) Methylene Chloride	4.97	84	237993	58.138	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	221775	49.485	ug/l	98
22) Diisopropyl ether	6.37	45	649233	52.509	ug/l	98
23) Vinyl Acetate	6.31	43	1909010	263.710	ug/l	100
24) 1,1-Dichloroethane	6.27	63	383505	50.518	ug/l	97
25) 2-Butanone	7.23	43	276980	239.178	ug/l	96
26) 2,2-Dichloropropane	7.21	77	336109	48.812	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	241151	50.413	ug/l	100
28) Bromochloromethane	7.55	49	172590	56.848	ug/l	99
29) Tetrahydrofuran	7.57	42	180110	252.072	ug/l	98
30) Chloroform	7.72	83	397160	50.611	ug/l	100
31) Cyclohexane	7.98	56	343632	46.014	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	358652	49.128	ug/l	99
36) 1,1-Dichloropropene	8.11	75	305859	47.911	ug/l	99
37) Ethyl Acetate	7.30	43	130261	49.399	ug/l	99
38) Carbon Tetrachloride	8.10	117	329437	48.824	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	365028	48.908	ug/l	98
40) Benzene	8.36	78	872092	49.601	ug/l	99
41) Methacrylonitrile	7.54	41	68924m	48.521	ug/l	
42) 1,2-Dichloroethane	8.43	62	259060	49.463	ug/l	98
43) Isopropyl Acetate	8.46	43	245452	49.003	ug/l	100
44) Trichloroethene	9.12	130	241982	49.176	ug/l	97
45) 1,2-Dichloropropane	9.39	63	214629	50.355	ug/l	99
46) Dibromomethane	9.48	93	114528	49.216	ug/l	99
47) Bromodichloromethane	9.67	83	308238	50.905	ug/l	99
48) Methyl methacrylate	9.46	41	117776	51.095	ug/l	98
49) 1,4-Dioxane	9.47	88	27733	1027.581	ug/l	95
51) 4-Methyl-2-Pentanone	10.24	43	637122	254.211	ug/l	100
52) Toluene	10.41	92	560428	49.439	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	295721	51.270	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	343728	50.899	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	155483	49.603	ug/l	98
56) Ethyl methacrylate	10.67	69	198780	53.031	ug/l	100
57) 1,3-Dichloropropane	10.95	76	274401	51.040	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	317729	255.145	ug/l	99
59) 2-Hexanone	10.99	43	423544	244.999	ug/l	99
60) Dibromochloromethane	11.15	129	211076	50.382	ug/l	99
61) 1,2-Dibromoethane	11.26	107	151645	50.243	ug/l	98
64) Tetrachloroethene	10.88	164	203649	47.416	ug/l	99
65) Chlorobenzene	11.68	112	591771	49.038	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	224661	49.502	ug/l	99
67) Ethyl Benzene	11.75	91	1085276	50.657	ug/l	97
68) m/p-Xylenes	11.86	106	848694	102.888	ug/l	99
69) o-Xylene	12.19	106	380205	51.935	ug/l	99
70) Styrene	12.20	104	686071	52.608	ug/l	100
71) Bromoform	12.37	173	125316	49.673	ug/l	99
73) Isopropylbenzene	12.48	105	1027673	51.176	ug/l	99
74) N-amyl acetate	12.30	43	226252	50.351	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	166738	49.403	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	118351m	48.533	ug/l	
77) Bromobenzene	12.77	156	249292	50.738	ug/l	100
78) n-propylbenzene	12.83	91	1206735	50.531	ug/l	99
79) 2-Chlorotoluene	12.91	91	658161	50.238	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	838162	50.933	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	55751	48.816	ug/l	98
82) 4-Chlorotoluene	13.01	91	706344	50.840	ug/l	99
83) tert-Butylbenzene	13.23	119	733528	52.526	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	853687	51.209	ug/l	100
85) sec-Butylbenzene	13.41	105	982847	49.705	ug/l	100
86) p-Isopropyltoluene	13.53	119	944849	51.064	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	478267	50.733	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	461026	49.273	ug/l	99
89) n-Butylbenzene	13.86	91	842758	49.908	ug/l	99
90) Hexachloroethane	14.12	117	176215	49.385	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	403116	50.368	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25455	47.129	ug/l	94

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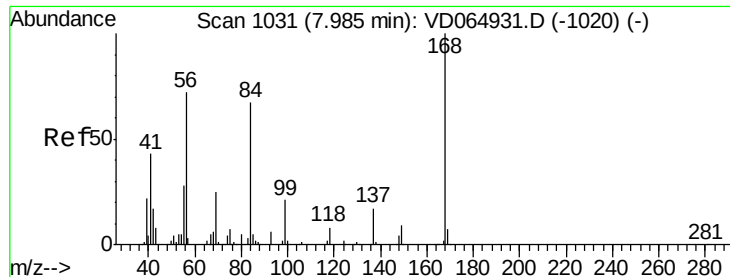
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	279624	50.502	ug/l	99
94) Hexachlorobutadiene	15.28	225	166497	47.541	ug/l	97
95) Naphthalene	15.41	128	468507	52.430	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	243636	50.750	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 446871

Ion Ratio Lower Upper

168 100

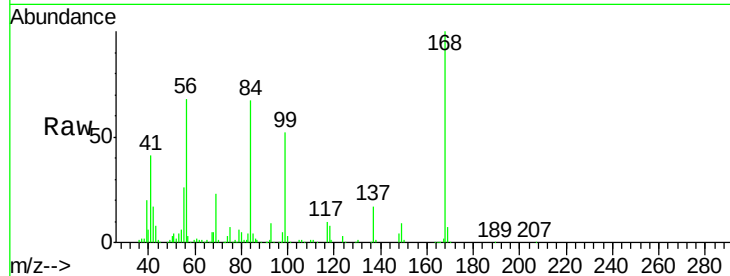
99 51.6 43.3 64.9

Manual Integrations

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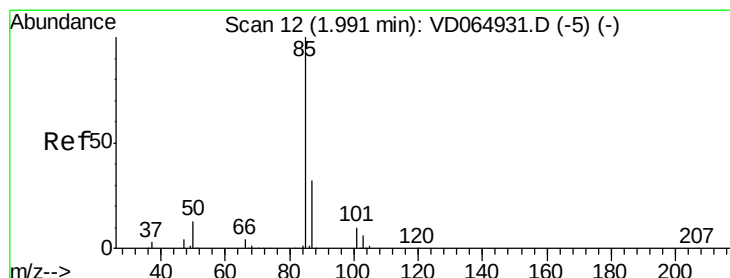
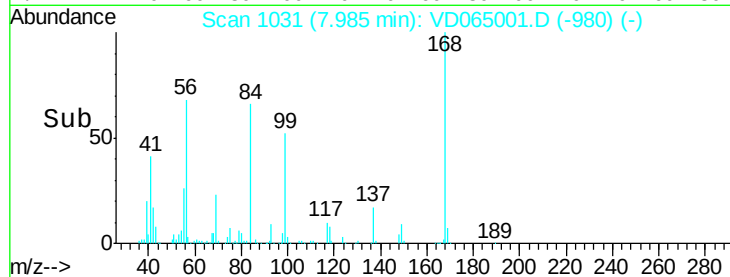
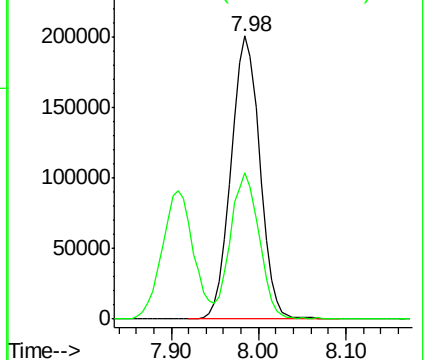
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1/30/2020 10:27:16 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 47.136 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065001.D

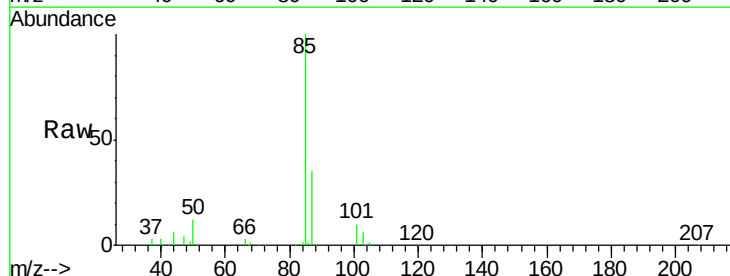
Acq: 29 Jan 2020 17:53

Tgt Ion: 85 Resp: 158685

Ion Ratio Lower Upper

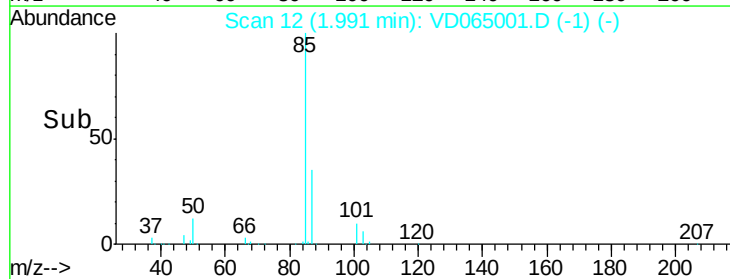
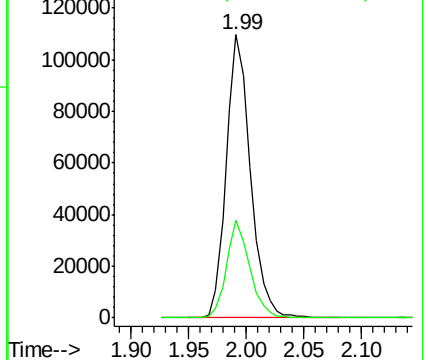
85 100

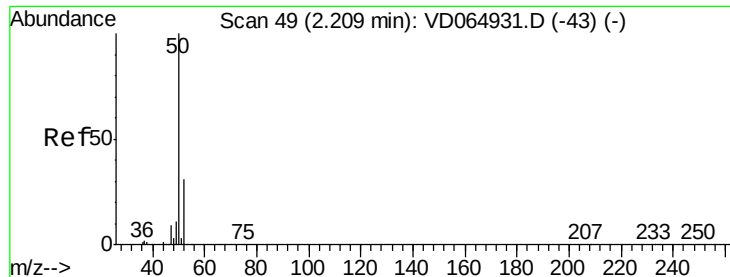
87 34.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.647 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 240025

Ion Ratio Lower Upper

50 100

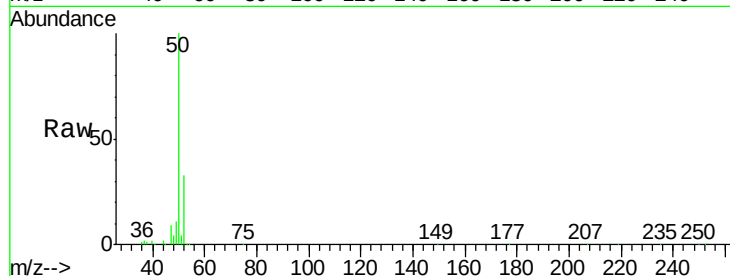
52 32.9 24.6 36.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

150000

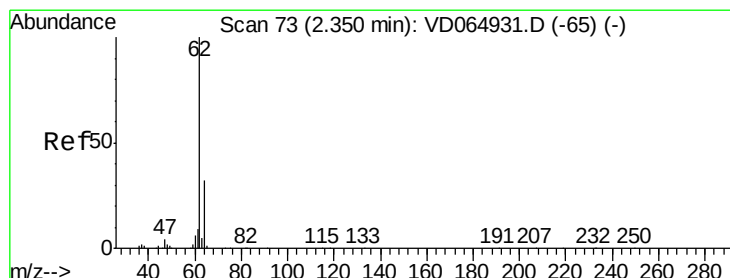
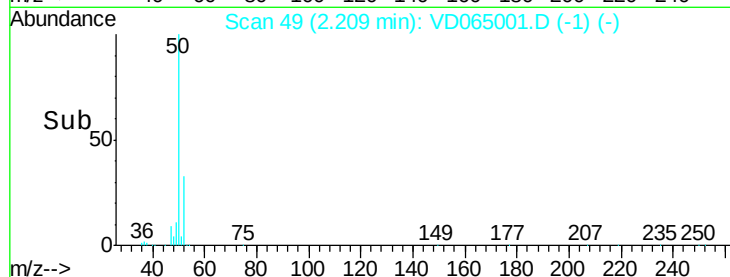
100000

50000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 46.967 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065001.D

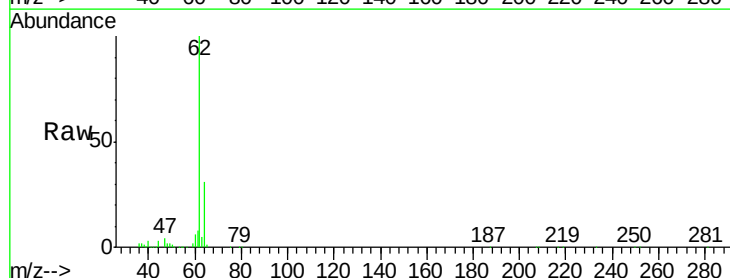
Acq: 29 Jan 2020 17:53

Tgt Ion: 62 Resp: 266159

Ion Ratio Lower Upper

62 100

64 30.9 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

150000

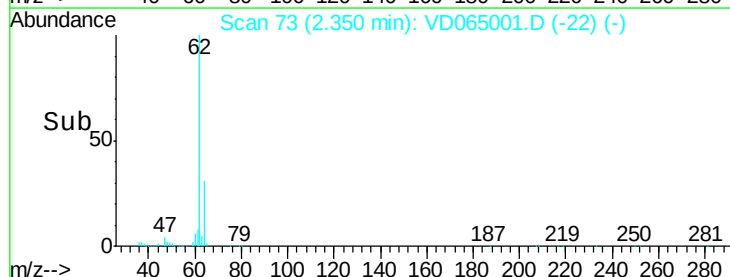
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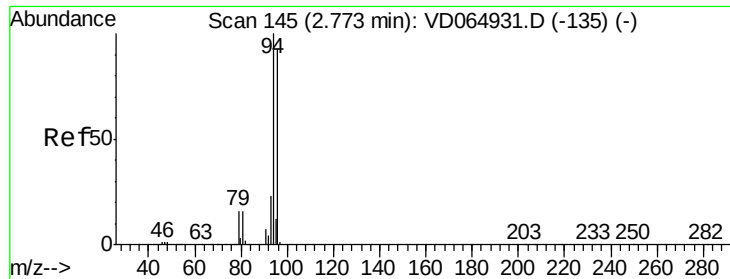
50000

0

Time-->

2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 44.632 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 170139

Ion Ratio Lower Upper

94 100

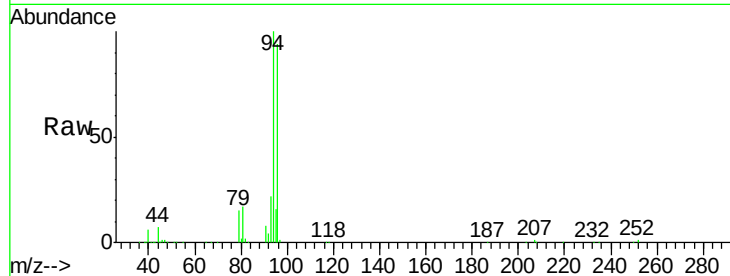
96 93.2 74.6 111.8

Manual Integrations

APPROVED

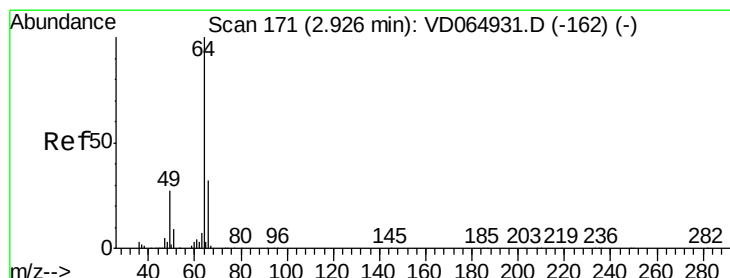
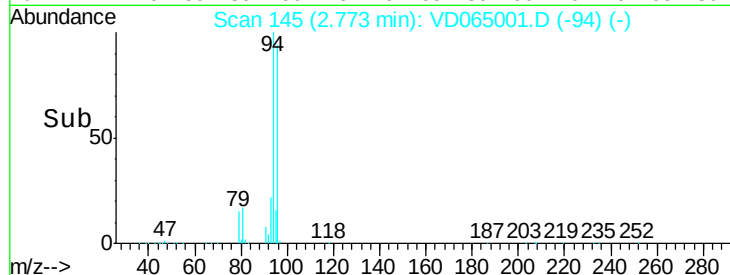
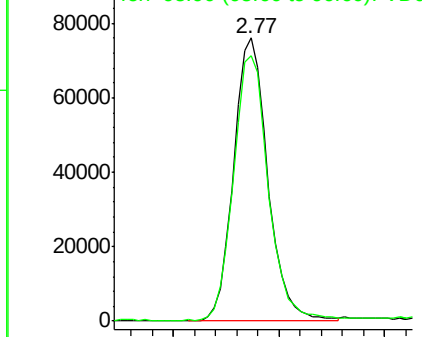
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1/30/2020 10:27:16 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.189 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065001.D

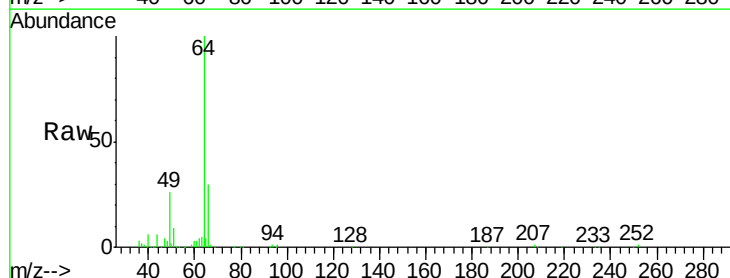
Acq: 29 Jan 2020 17:53

Tgt Ion: 64 Resp: 176303

Ion Ratio Lower Upper

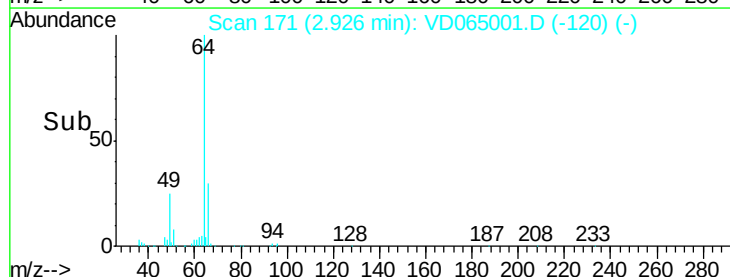
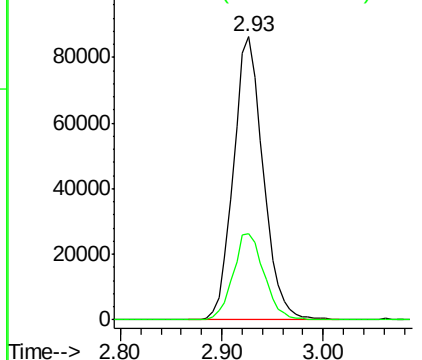
64 100

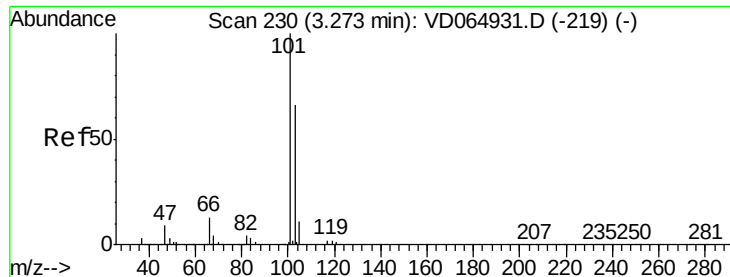
66 30.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

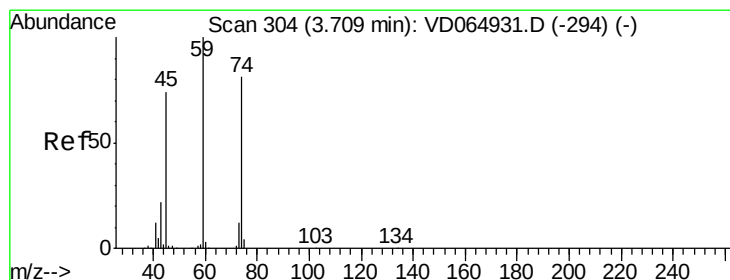
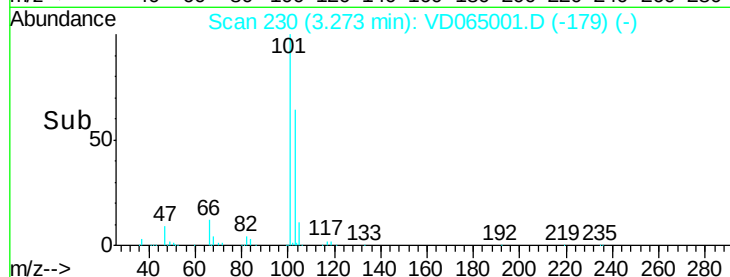
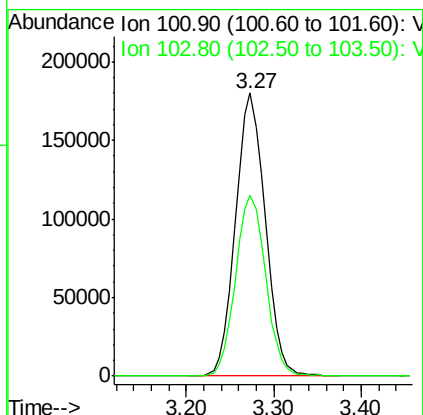
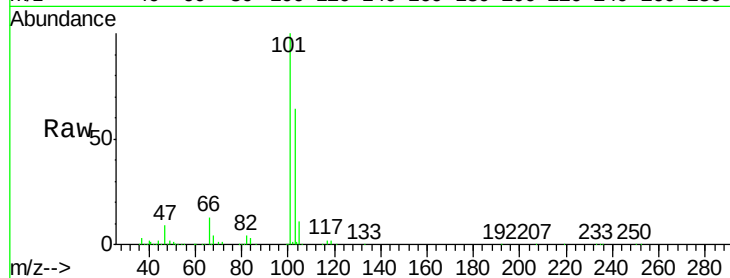
Trichlorofluoromethane
Concen: 47.245 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.5	78.7

Manual Integrations
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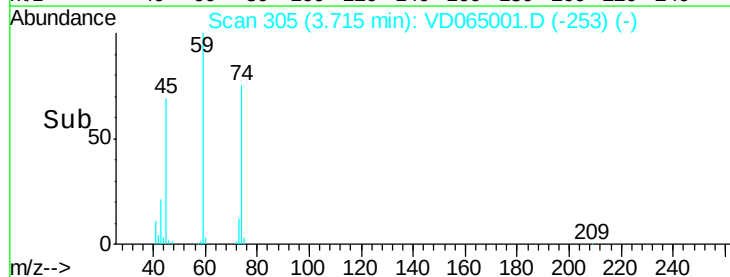
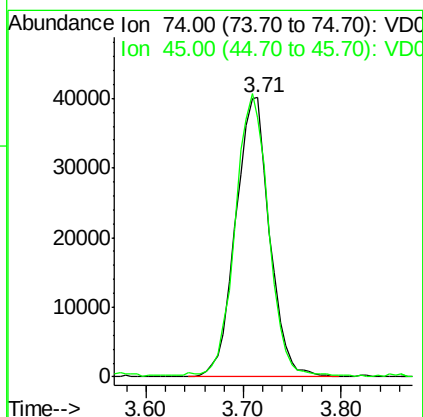
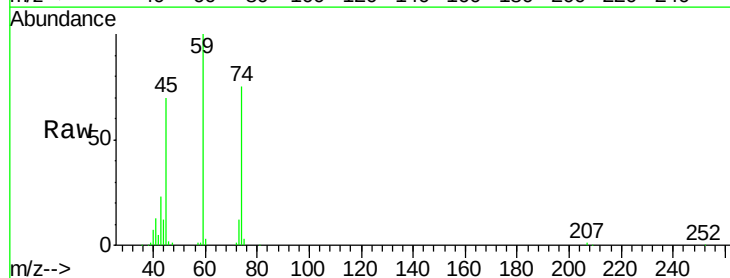
MMDadoda
1/30/2020 10:27:16 AM

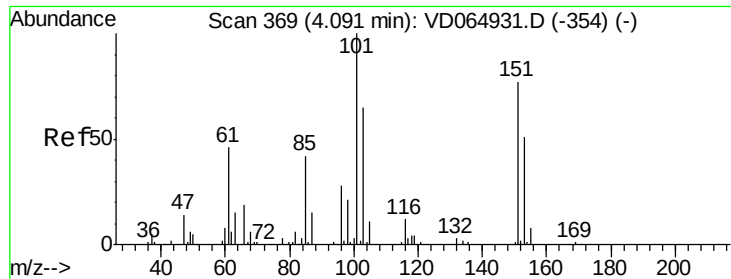


#8

Diethyl Ether
Concen: 49.222 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.1	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.196 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Instrument :

MSVOA_D

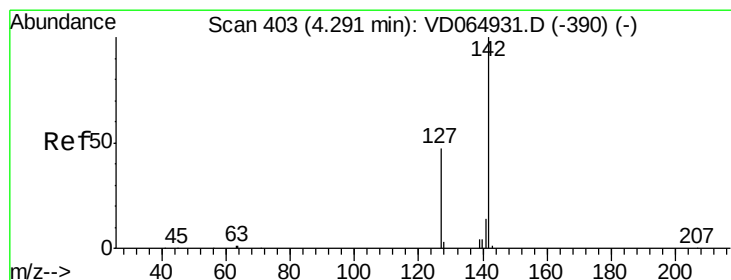
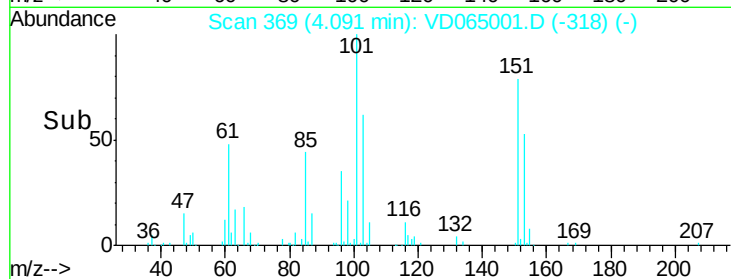
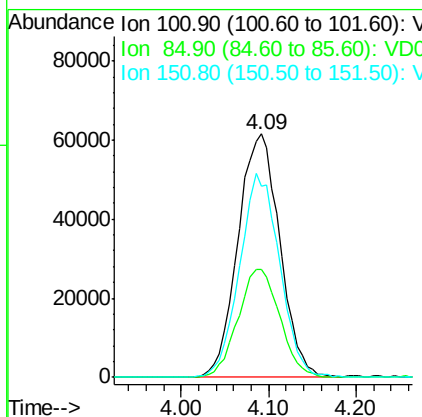
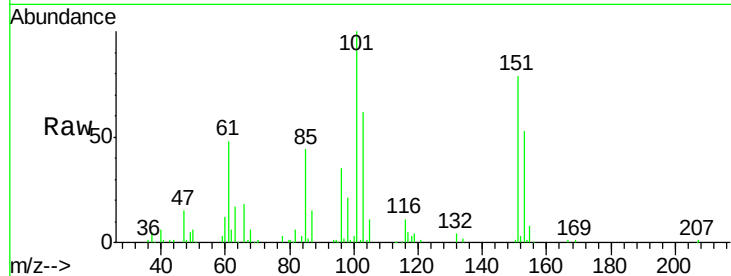
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	200319
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.0	52.4
151	80.3	64.6	96.8

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#10

Methyl Iodide

Concen: 47.978 ug/l

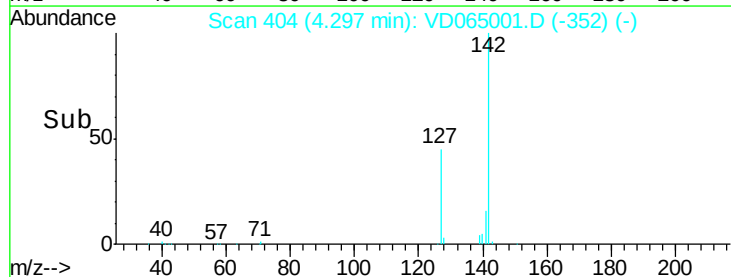
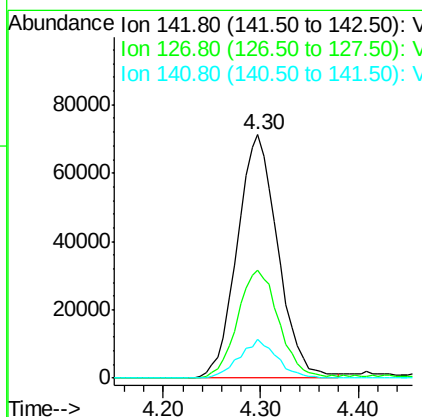
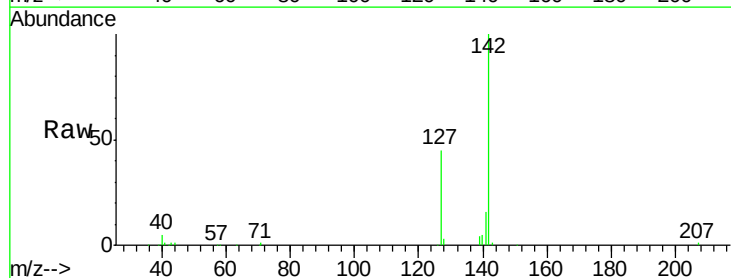
RT: 4.30 min Scan# 404

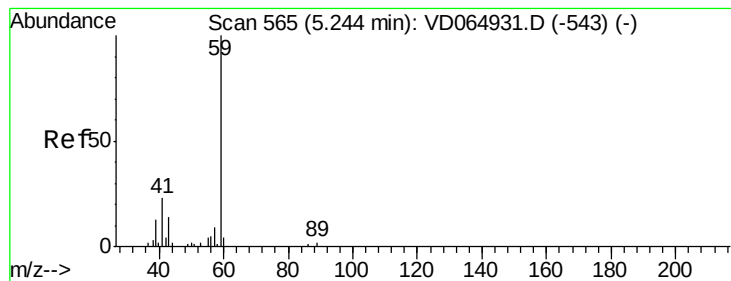
Delta R.T. 0.01 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Tgt Ion:	142	Resp:	207368
Ion Ratio	Lower	Upper	
142	100		
127	45.0	36.2	54.2
141	15.0	11.6	17.4





#11

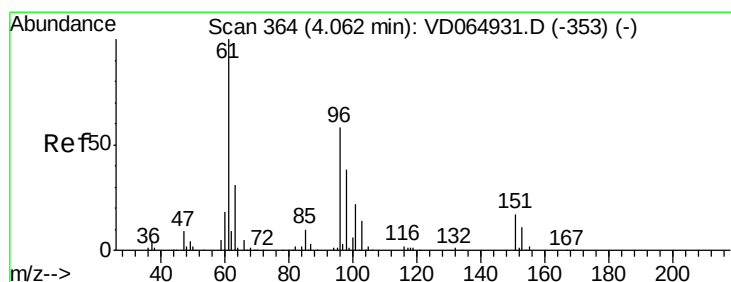
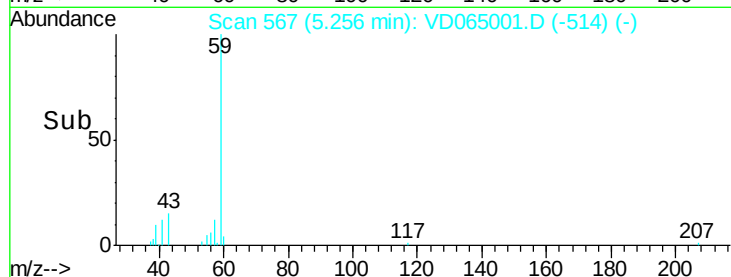
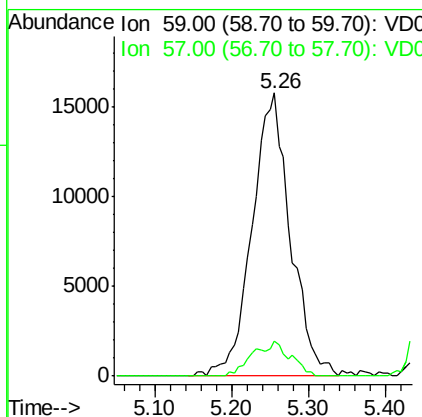
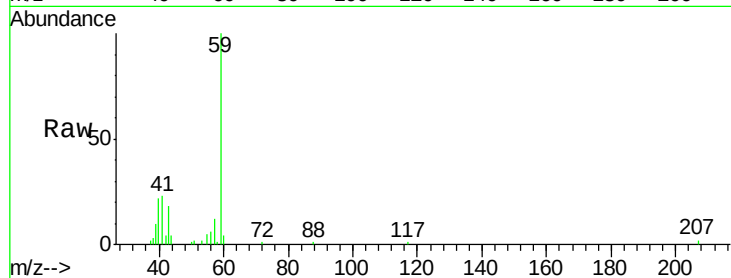
Tert butyl alcohol
Concen: 231.390 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	54810
Ion Ratio	100	Lower	Upper
57	6.8	7.7	11.5#

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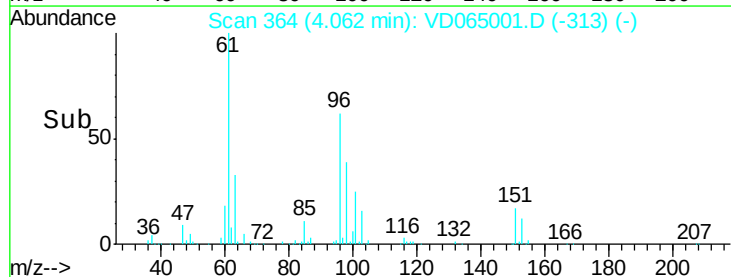
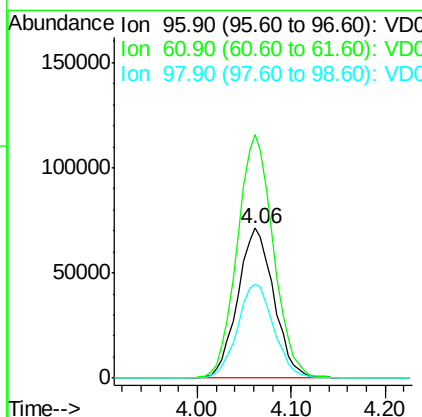
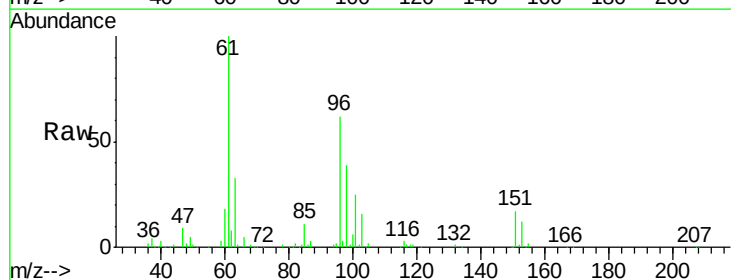
MMDadoda
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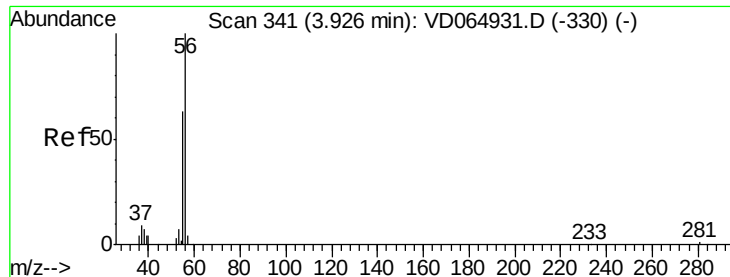


#12

1,1-Dichloroethene
Concen: 48.874 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Tgt Ion	96	Resp	190114
Ion Ratio	100	Lower	Upper
61	162.2	137.0	205.4
98	62.6	52.1	78.1





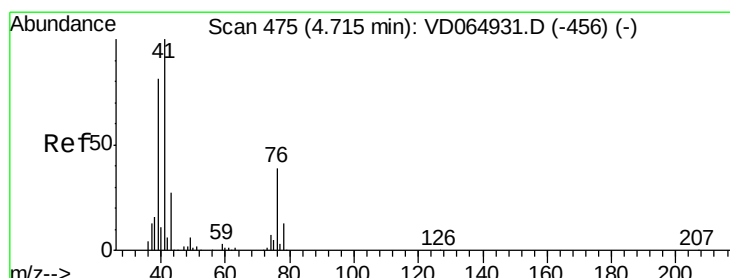
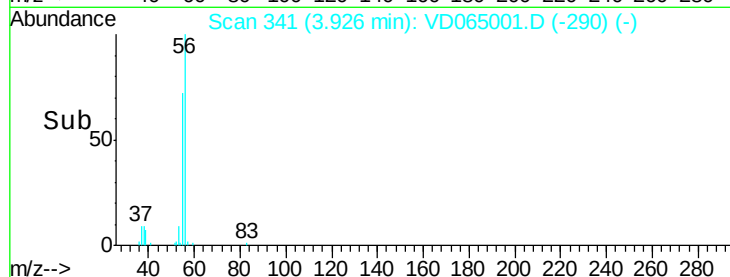
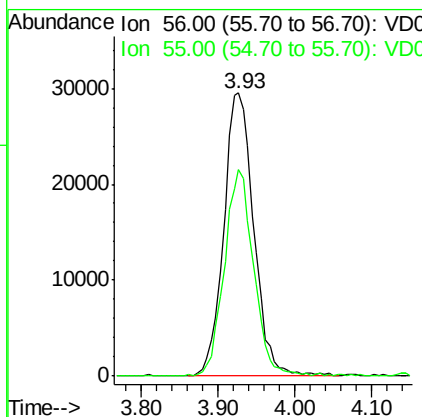
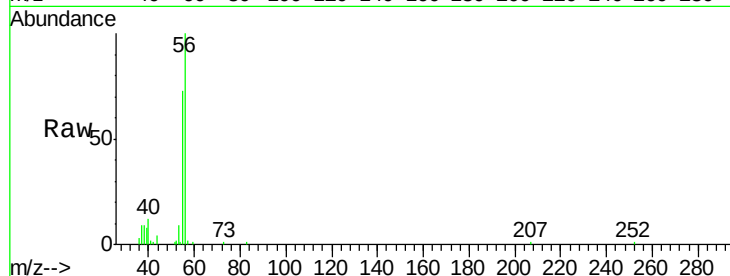
#13
Acrolein
Concen: 270.403 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	80295
Ion Ratio	100	Lower	Upper
55	70.8	59.7	89.5

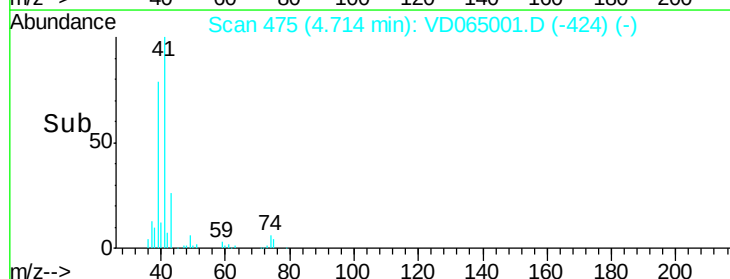
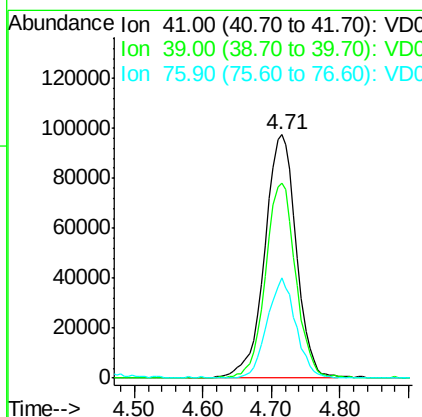
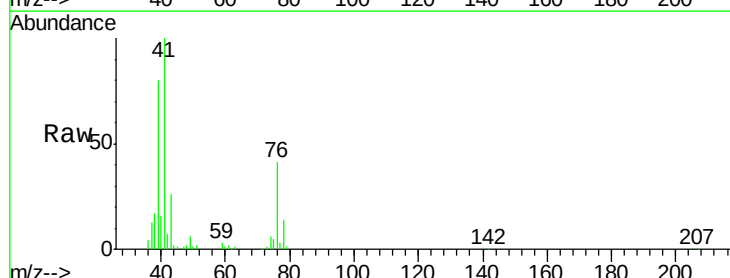
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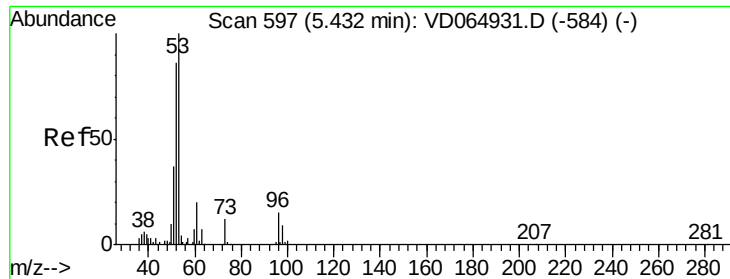
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#14
Allyl chloride
Concen: 50.418 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Tgt Ion	41	Resp	312793
Ion Ratio	100	Lower	Upper
39	76.9	62.0	93.0
76	37.3	29.3	43.9





#15

Acrylonitrile

Concen: 256.885 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Instrument :

MSVOA_D

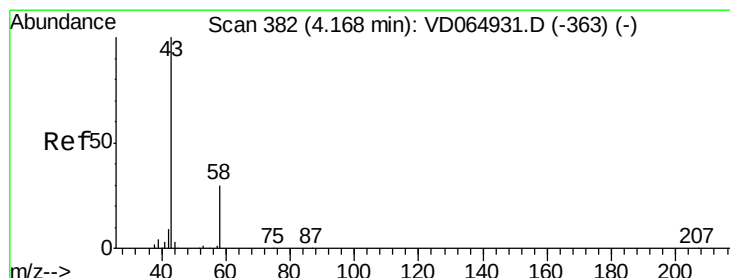
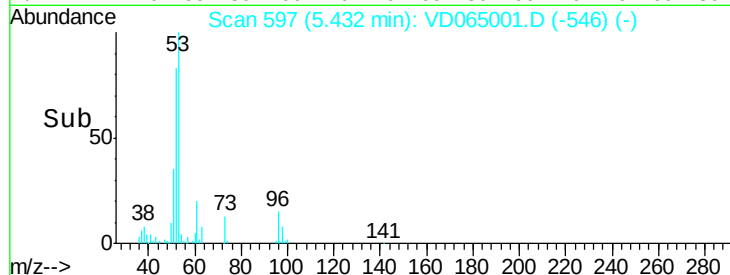
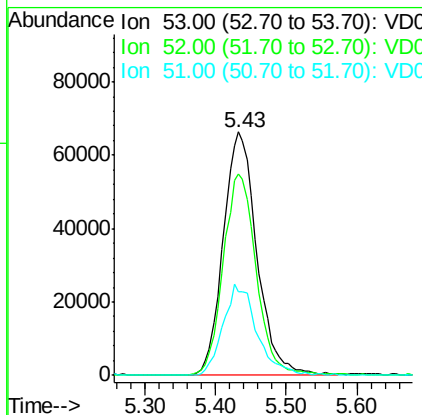
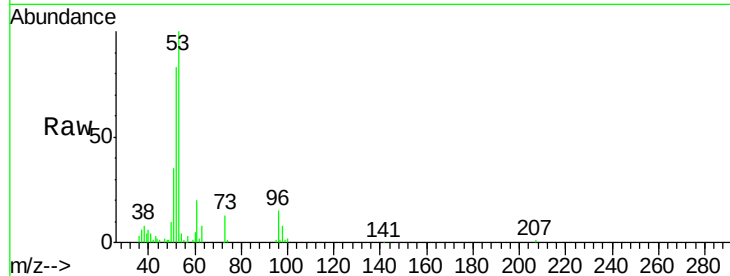
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	219788
Ion	Ratio	Lower	Upper
53	100		
52	81.0	66.7	100.1
51	37.5	31.1	46.7

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#16

Acetone

Concen: 178.358 ug/l

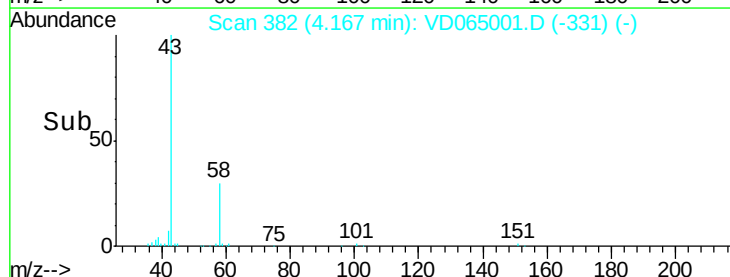
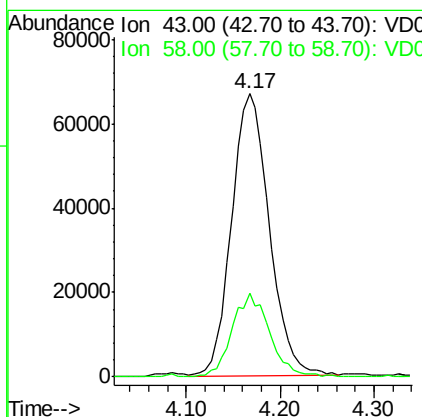
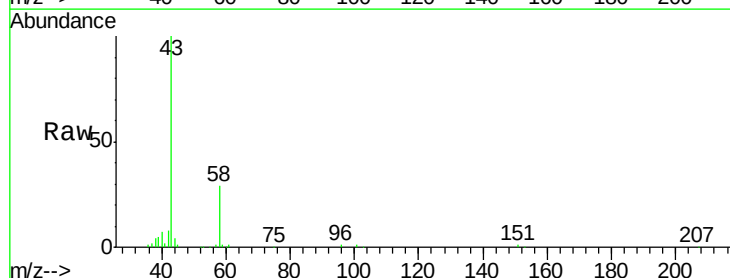
RT: 4.17 min Scan# 382

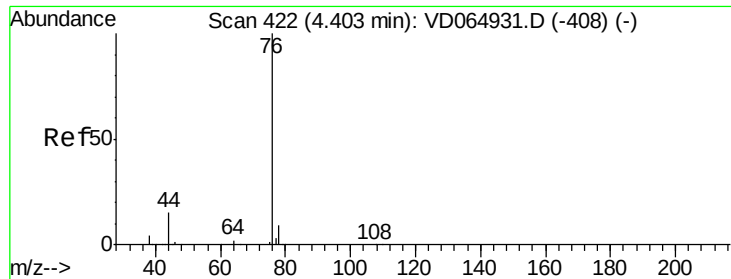
Delta R.T. 0.00 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Tgt Ion:	43	Resp:	186429
Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.8	35.8





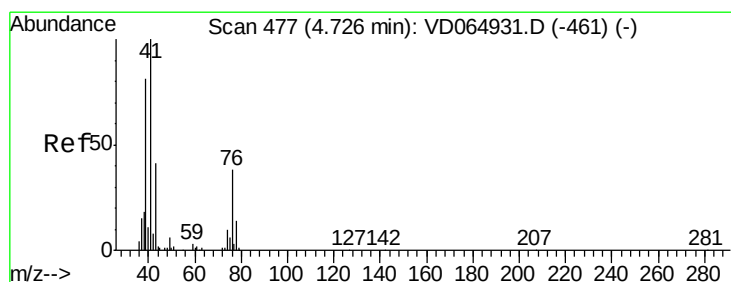
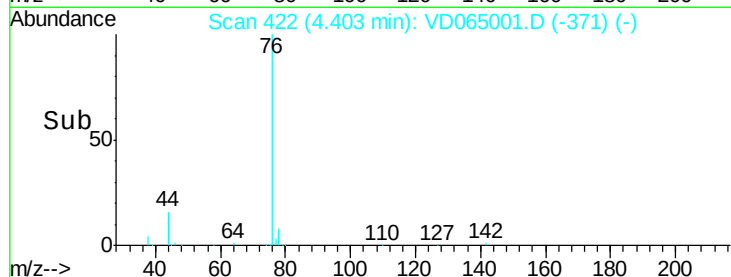
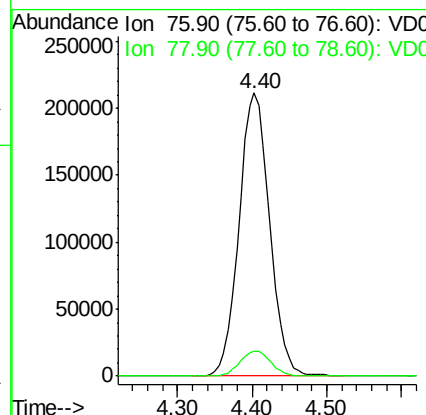
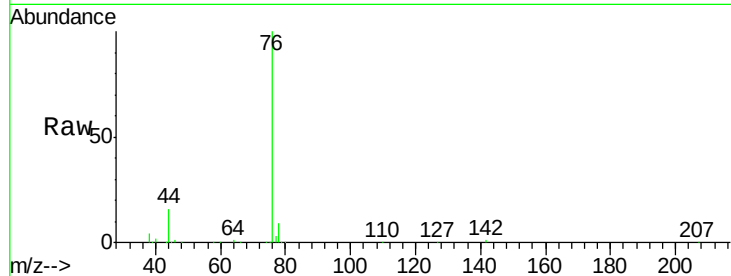
#17
Carbon Disulfide
Concen: 46.916 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

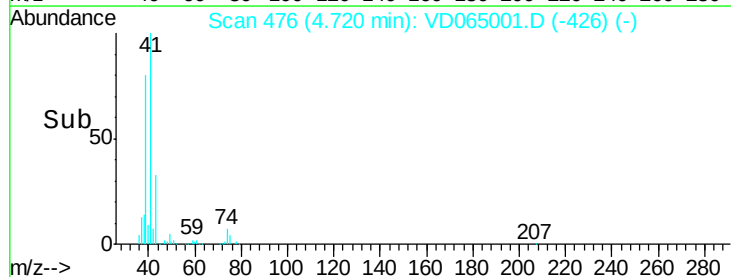
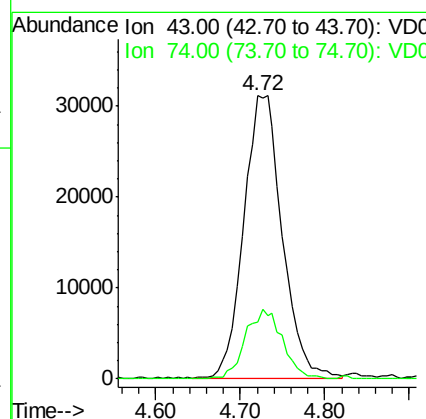
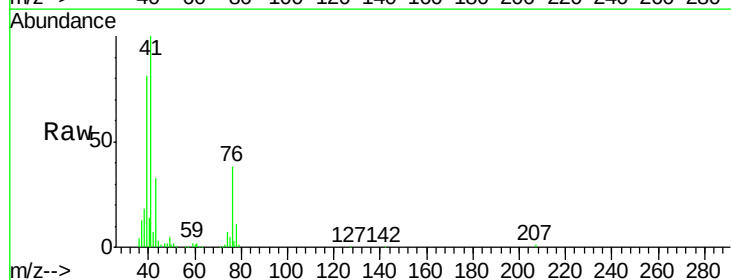
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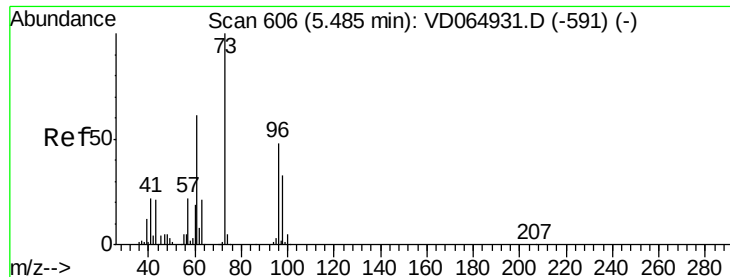
MMDadoda
1/30/2020 10:27:16 AM



#18
Methyl Acetate
Concen: 49.245 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.1	28.7





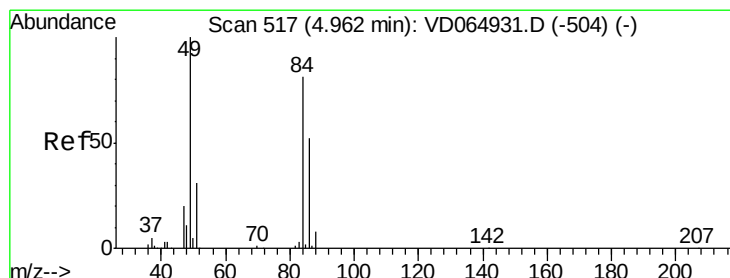
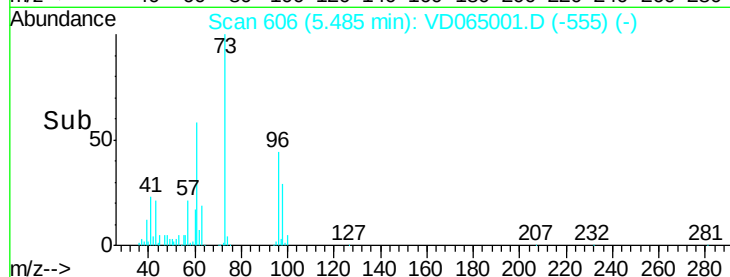
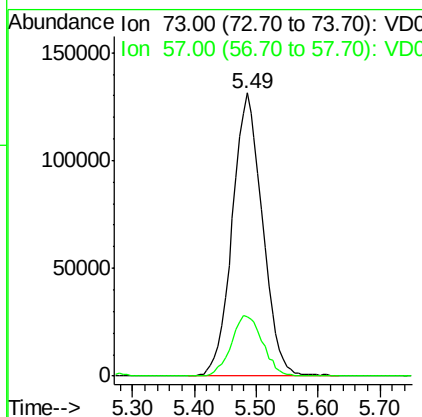
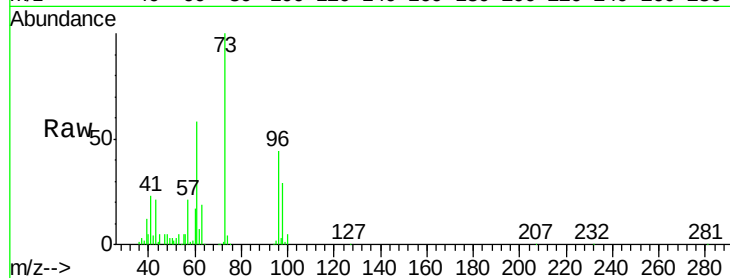
#19
Methyl tert-butyl Ether
Concen: 51.263 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.9	26.9

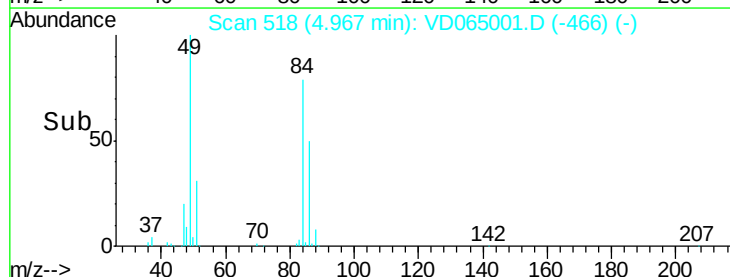
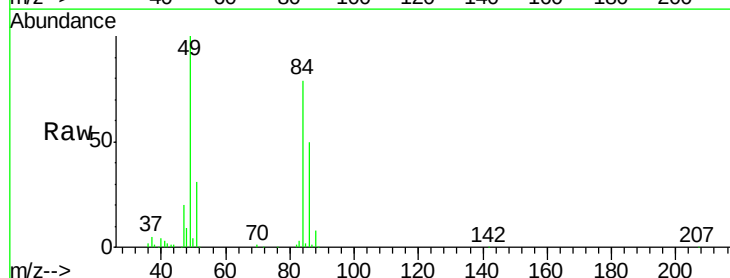
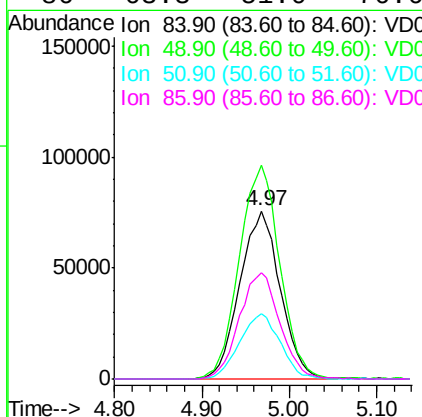
Manual Integrations
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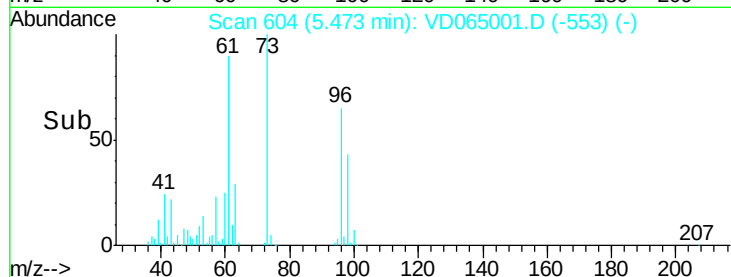
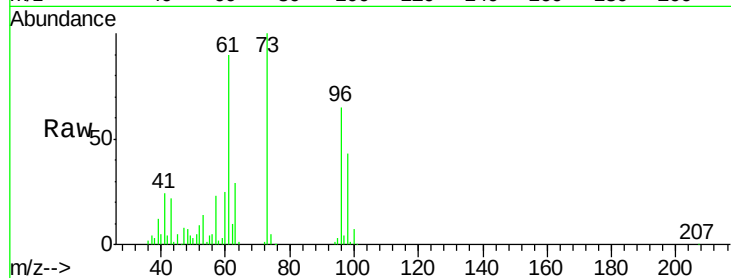
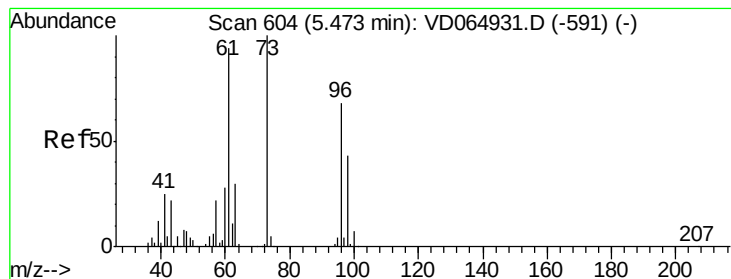
MMDadoda
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#20
Methylene Chloride
Concen: 58.138 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.2	98.4	147.6
51	39.1	30.8	46.2
86	63.3	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 49.485 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Tot Ion:	96	Resp:	221775
Ion	Ratio	Lower	Upper
96	100		
61	139.5	110.4	165.6
98	66.1	50.5	75.7

Instrument :

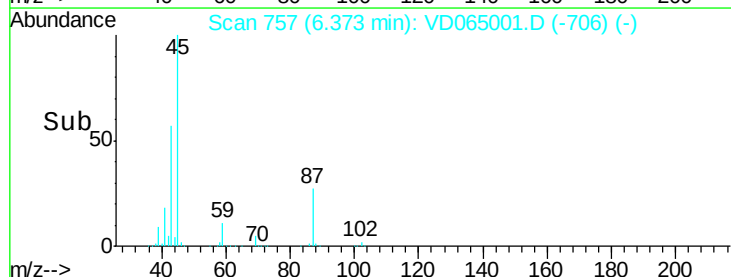
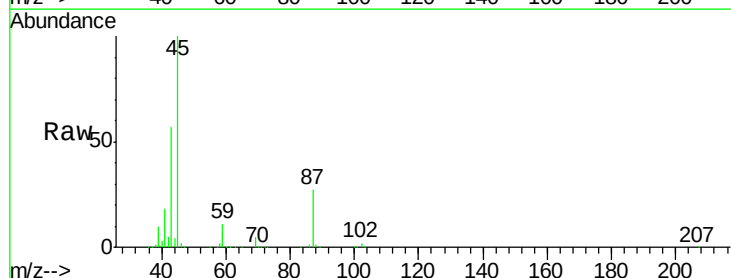
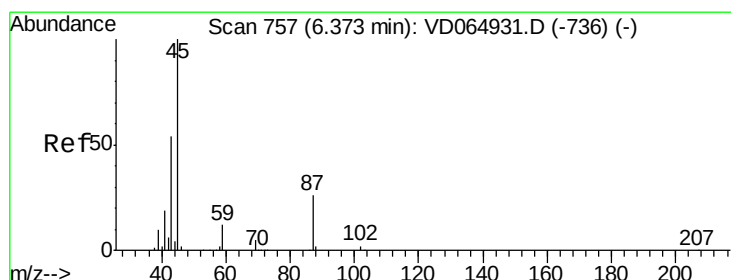
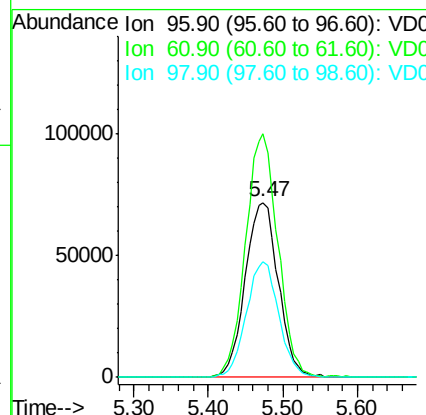
MSVOA_D

ClientSampleId :

VSTDCCC050EC

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#22

Diisopropyl ether

Concen: 52.509 ug/l

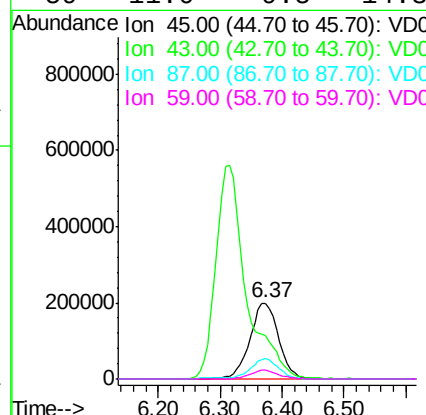
RT: 6.37 min Scan# 757

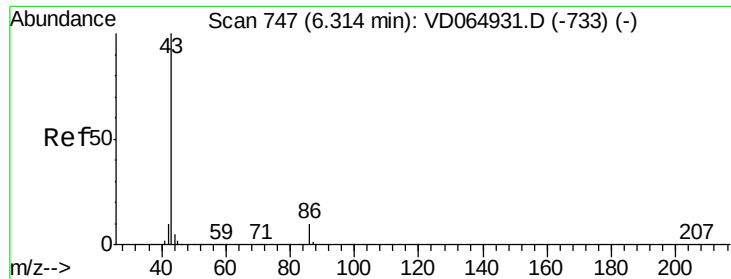
Delta R.T. -0.00 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Tgt Ion:	45	Resp:	649233
Ion	Ratio	Lower	Upper
45	100		
43	56.5	43.1	64.7
87	26.9	21.4	32.2
59	11.0	9.5	14.3





#23

Vinyl Acetate

Concen: 263.710 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1909010

Ion Ratio Lower Upper

43 100

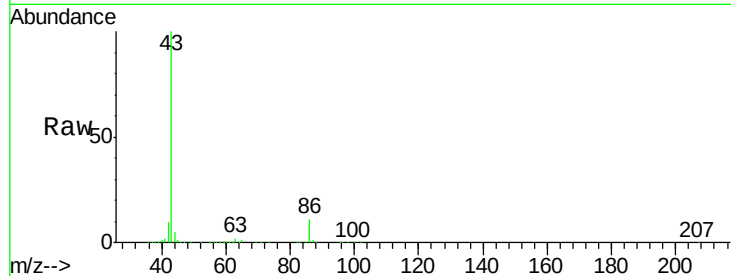
86 10.6 8.3 12.5

Manual Integrations

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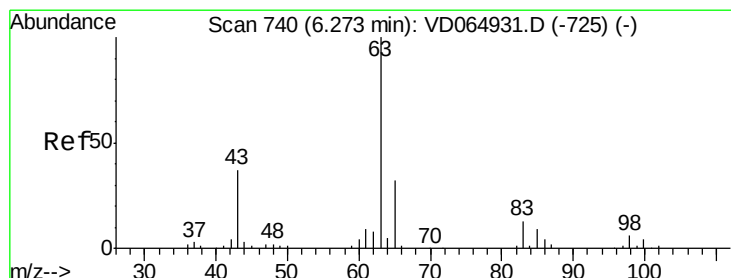
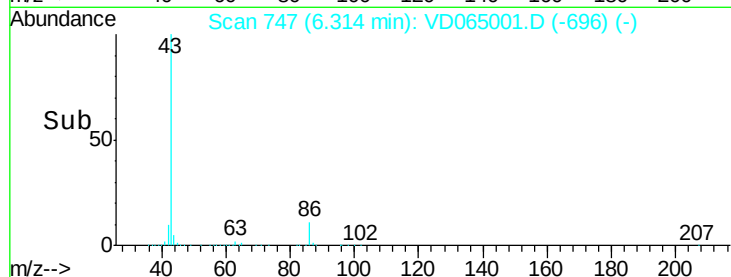
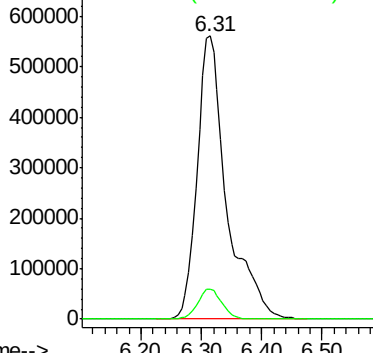
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.518 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

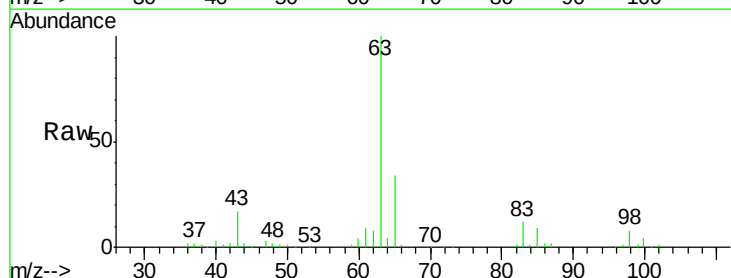
Tgt Ion: 63 Resp: 383505

Ion Ratio Lower Upper

63 100

98 8.1 3.1 9.3

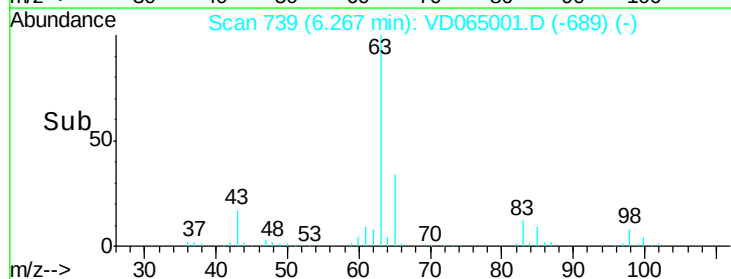
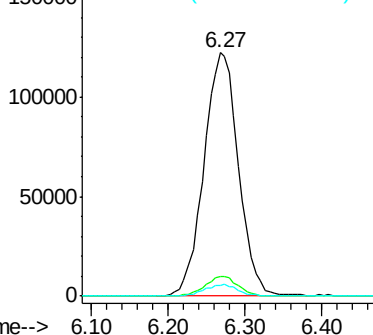
100 4.3 2.3 6.8

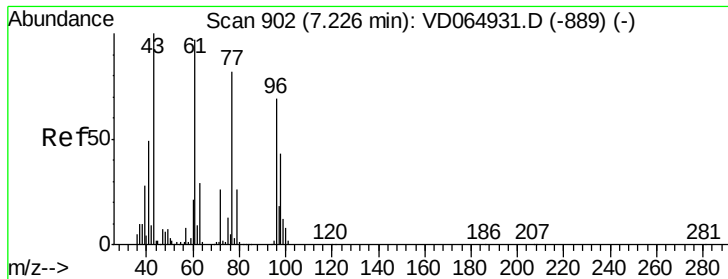


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 239.178 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 276980

Ion Ratio Lower Upper

43 100

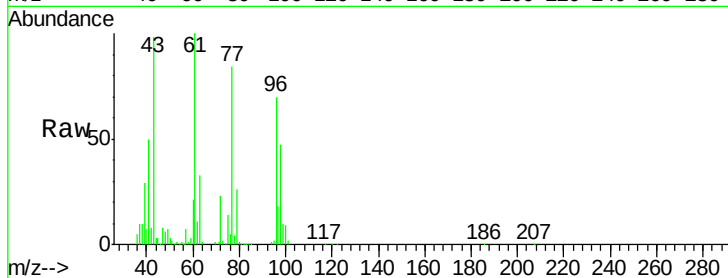
72 23.6 20.6 31.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.23

120000

100000

80000

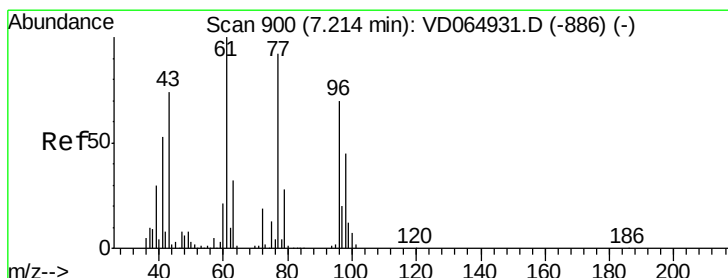
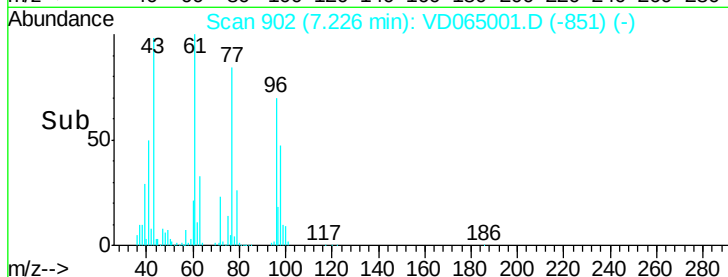
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 48.812 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065001.D

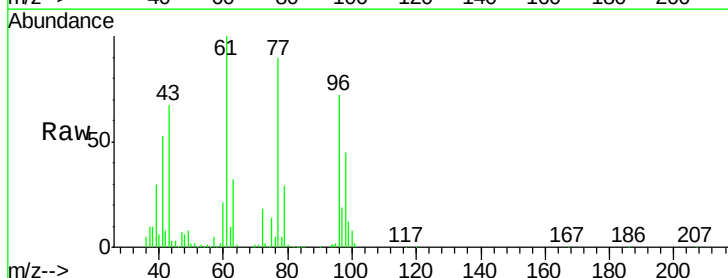
Acq: 29 Jan 2020 17:53

Tgt Ion: 77 Resp: 336109

Ion Ratio Lower Upper

77 100

97 22.3 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

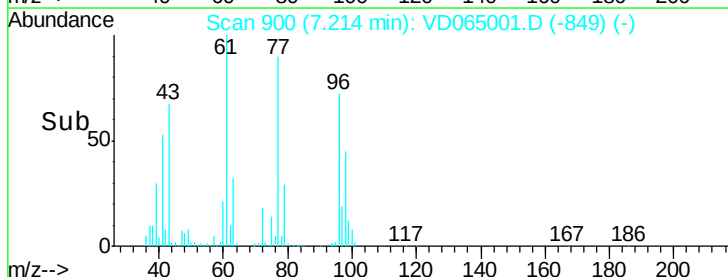
7.21

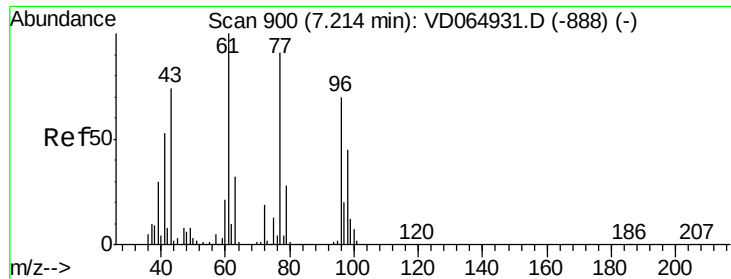
100000

50000

0

Time-->





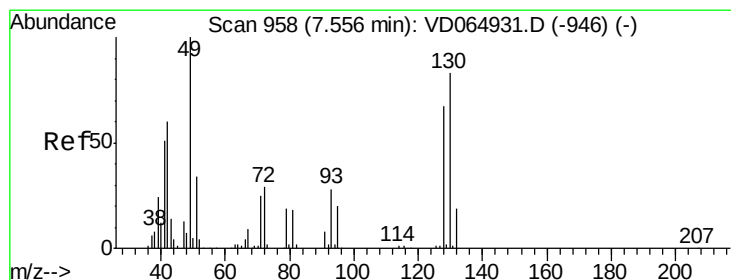
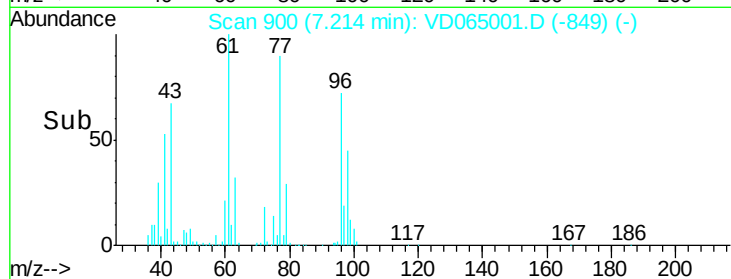
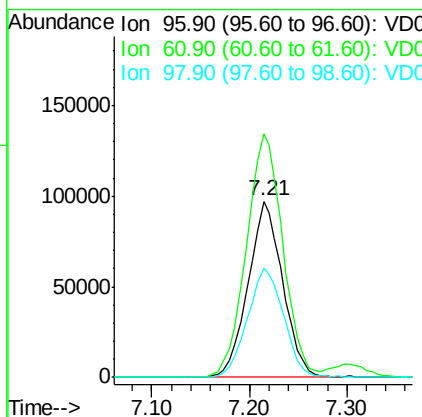
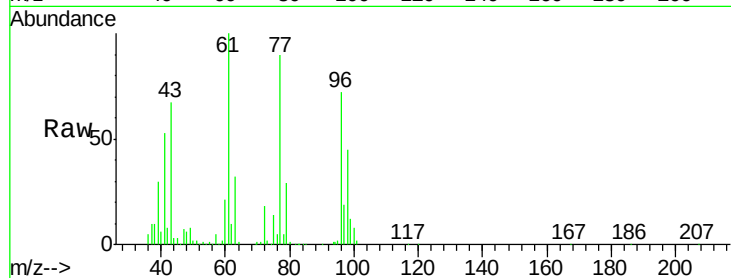
#27
 cis-1,2-Dichloroethene
 Concen: 50.413 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065001.D
 Acq: 29 Jan 2020 17:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	241151		
61	145.8	0.0	292.8	
98	65.0	0.0	130.0	

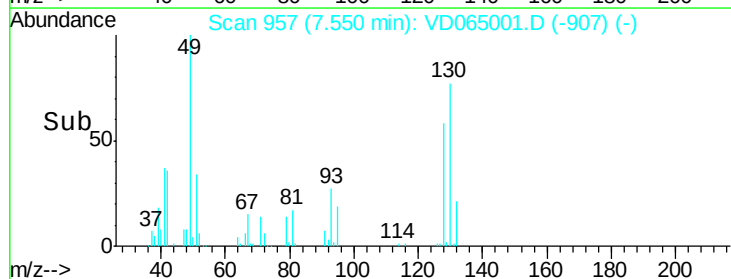
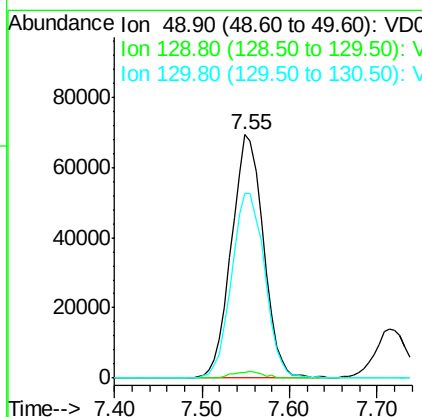
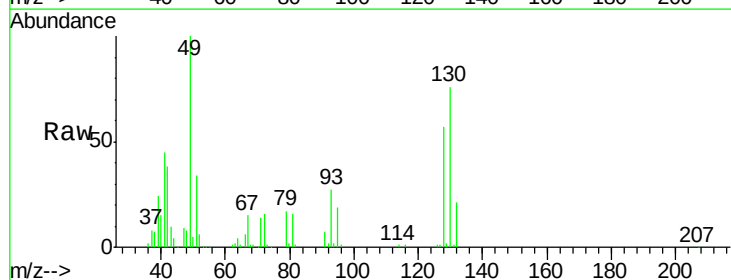
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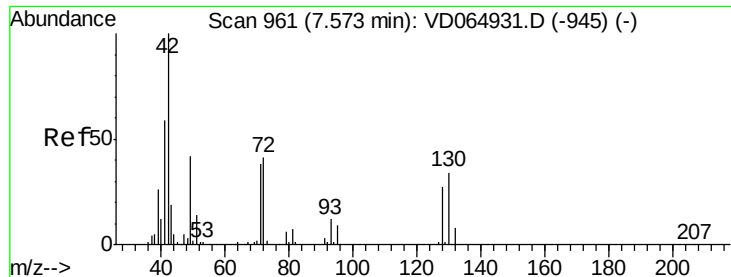
MMDadoda
 1/30/2020 10:27:16 AM



#28
 Bromochloromethane
 Concen: 56.848 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD065001.D
 Acq: 29 Jan 2020 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	172590		
129	2.7	0.0	4.4	
130	78.5	63.8	95.8	





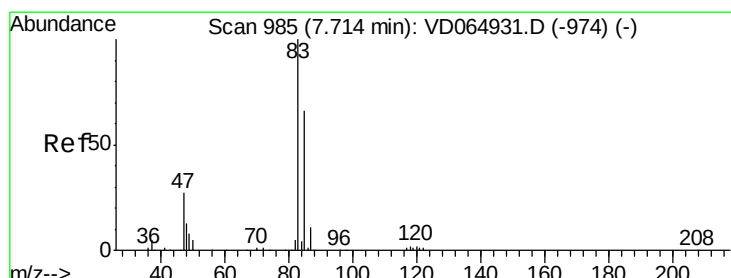
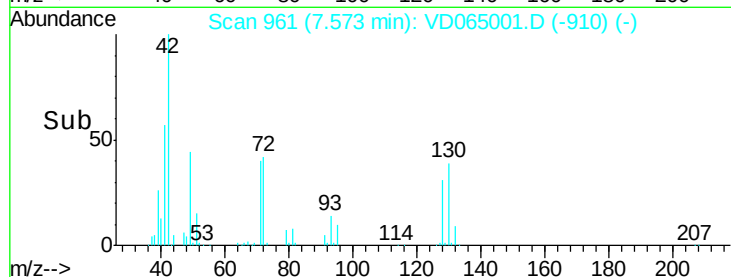
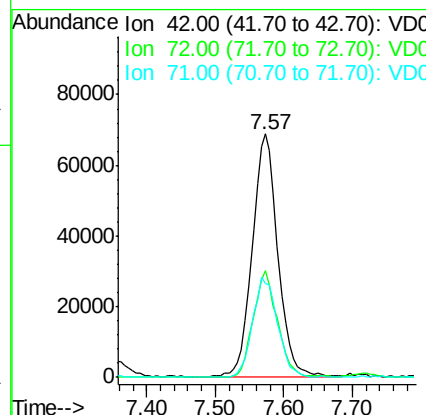
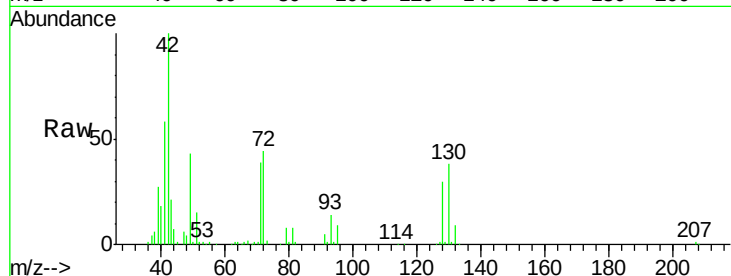
#29
Tetrahydrofuran
Concen: 252.072 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	34.0	51.0
71	40.2	31.5	47.3

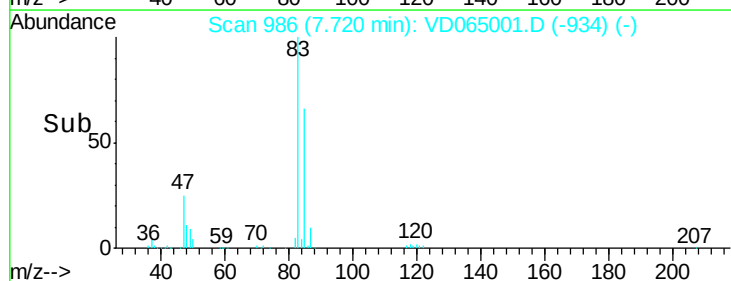
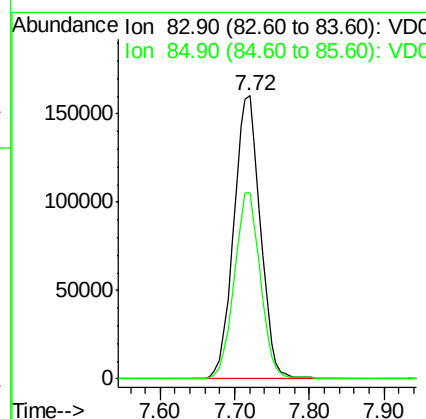
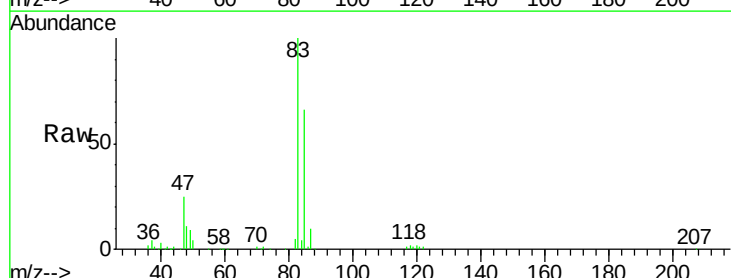
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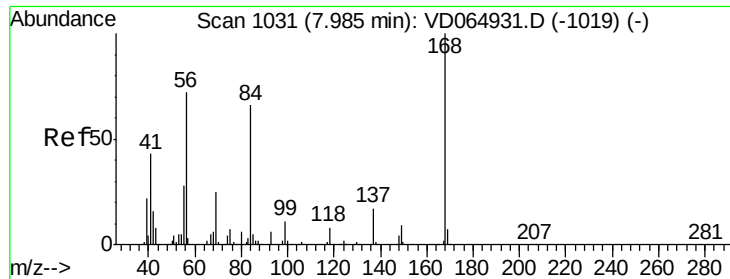
MMDadoda
1/30/2020 10:27:16 AM



#30
Chloroform
Concen: 50.611 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.4	78.6





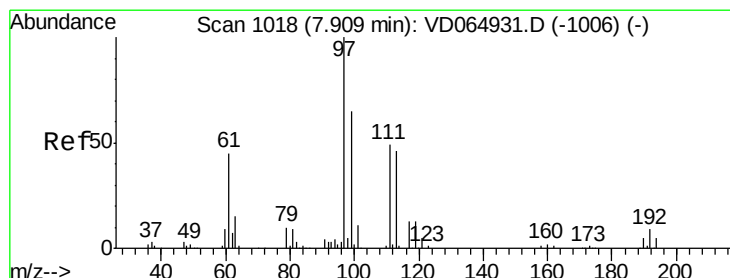
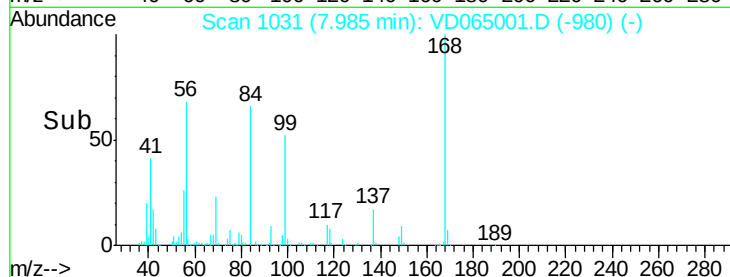
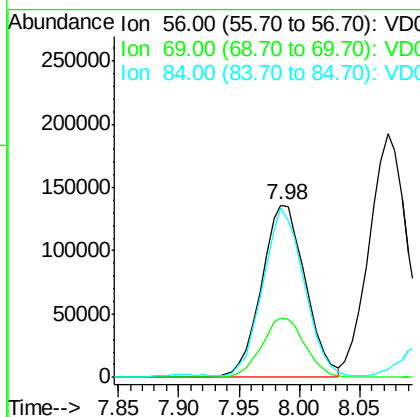
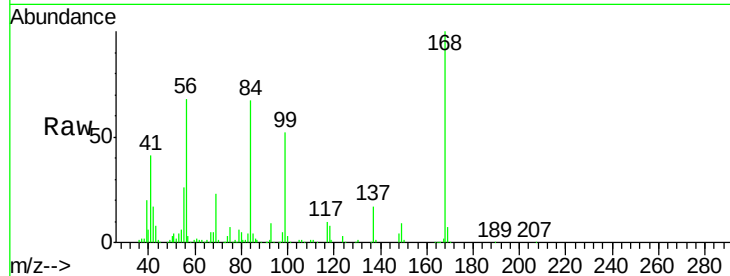
#31
Cyclohexane
Concen: 46.014 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.2	27.9	41.9
84	96.4	72.8	109.2

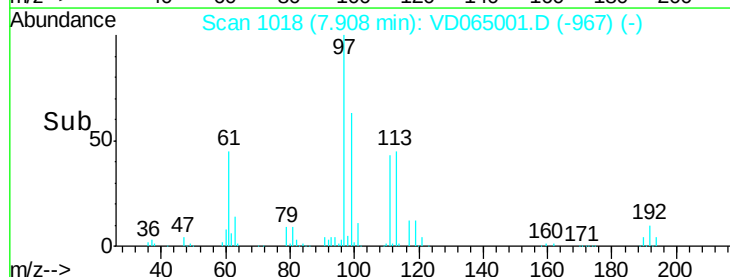
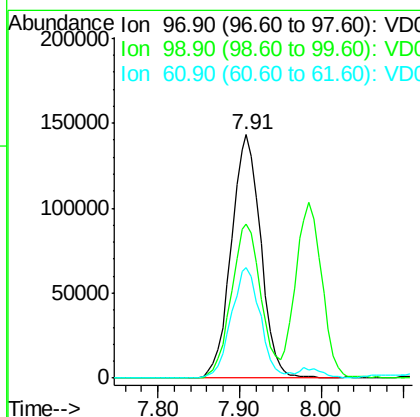
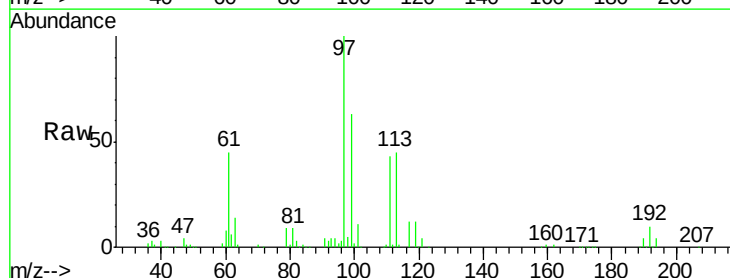
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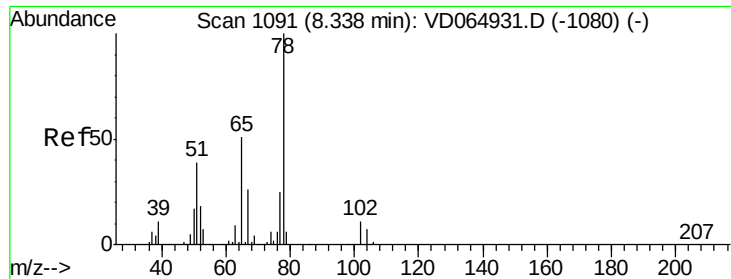
MMDadoda
1/30/2020 10:27:16 AM



#32
1,1,1-Trichloroethane
Concen: 49.128 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.6	76.0
61	44.7	35.7	53.5





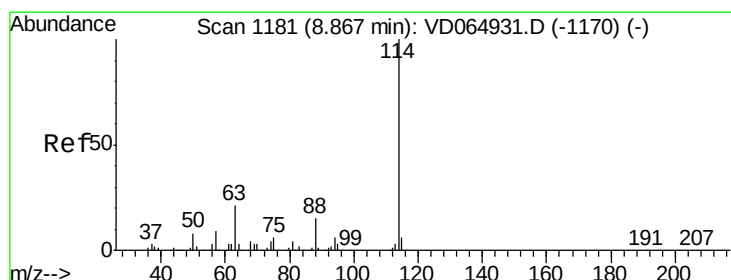
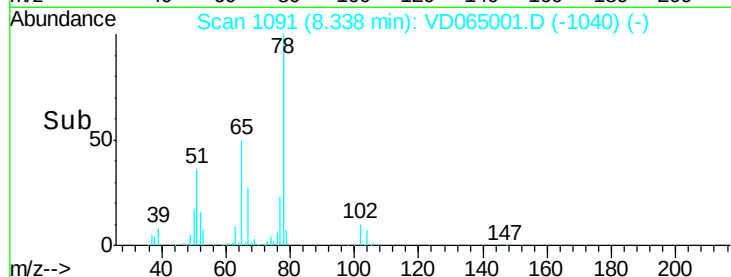
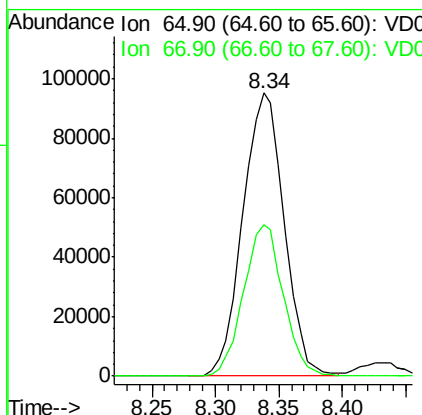
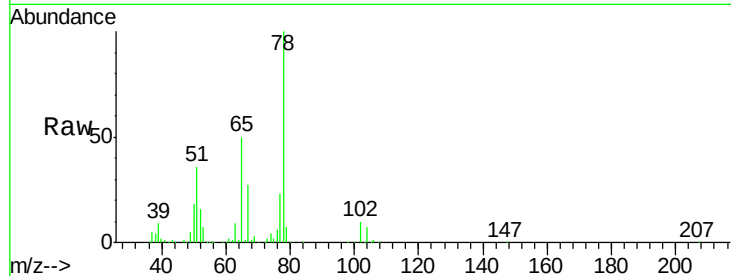
#33
 1,2-Dichloroethane-d4
 Concen: 50.358 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065001.D
 Acq: 29 Jan 2020 17:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	215859		
67	51.6	0.0	103.6	

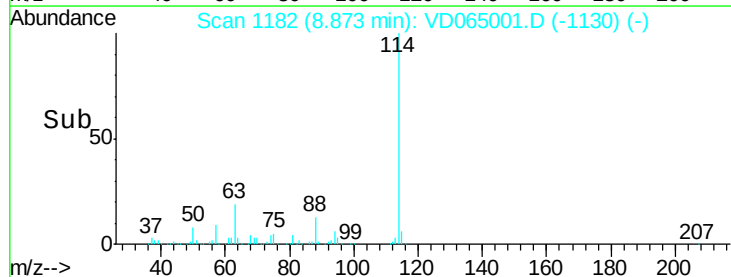
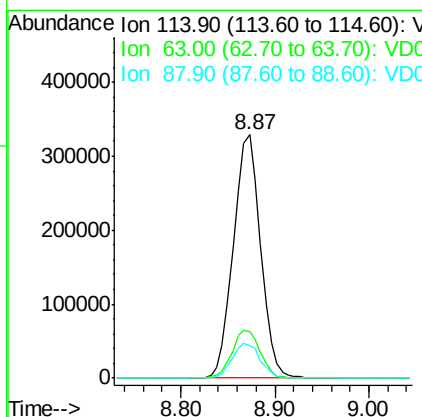
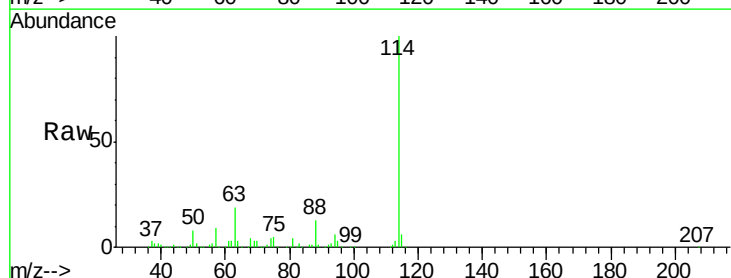
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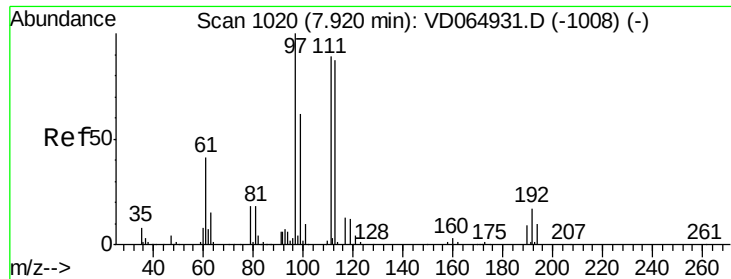
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065001.D
 Acq: 29 Jan 2020 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	662035		
63	19.2	0.0	42.0	
88	13.4	0.0	29.4	





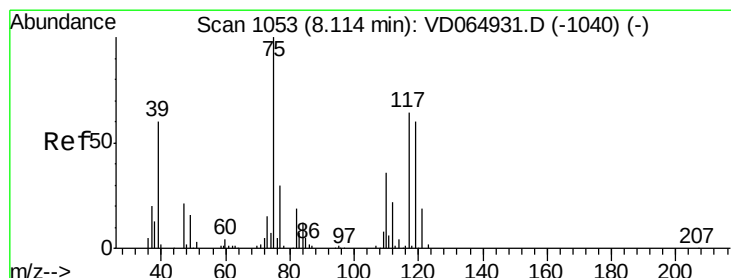
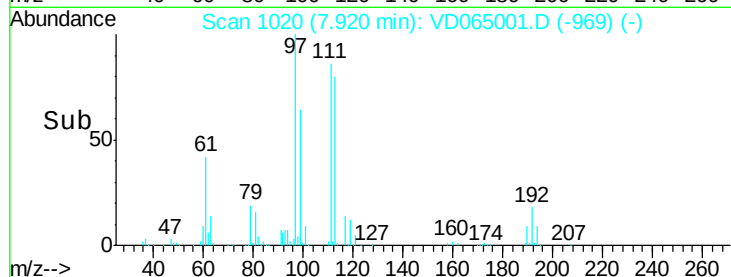
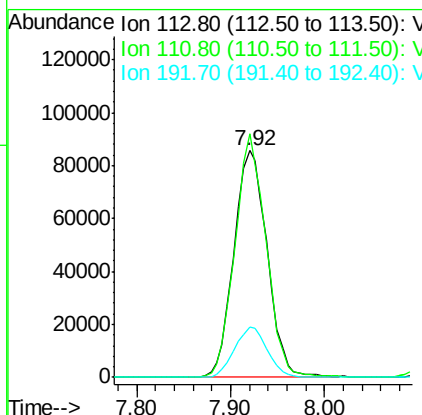
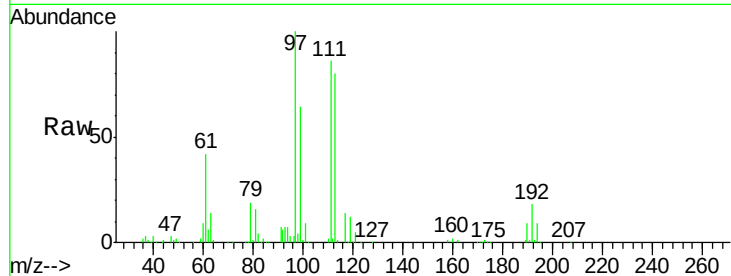
#35
 Dibromofluoromethane
 Concen: 50.619 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065001.D
 Acq: 29 Jan 2020 17:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	210589		
111	100.6	82.4	123.6	
192	21.7	16.9	25.3	

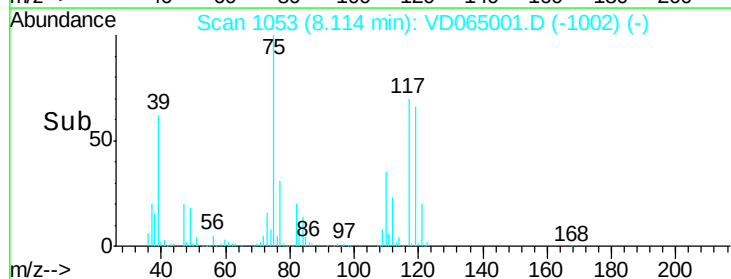
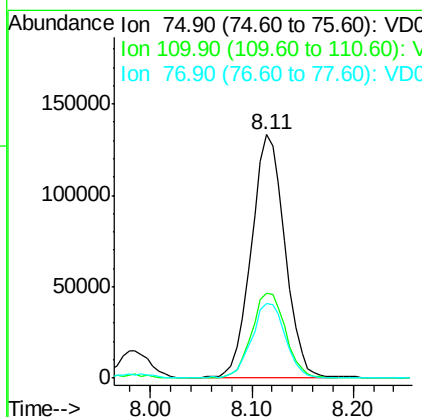
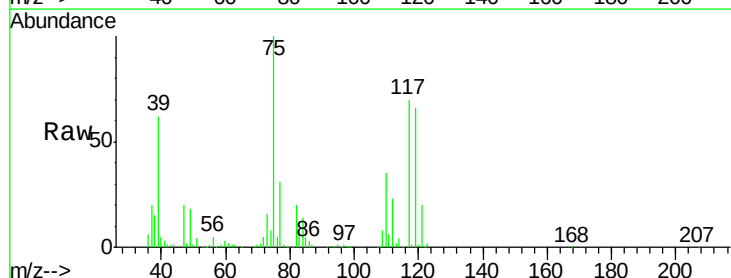
Manual Integrations
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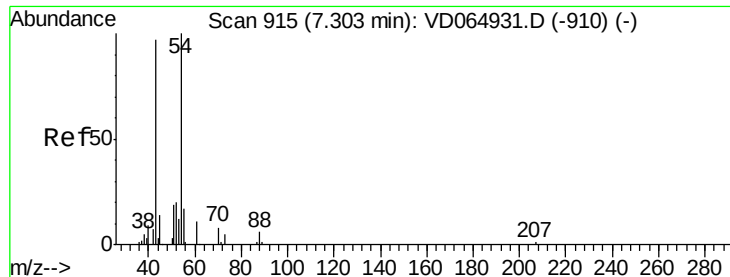
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 47.911 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065001.D
 Acq: 29 Jan 2020 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	305859		
110	35.3	17.3	52.0	
77	31.4	24.7	37.1	





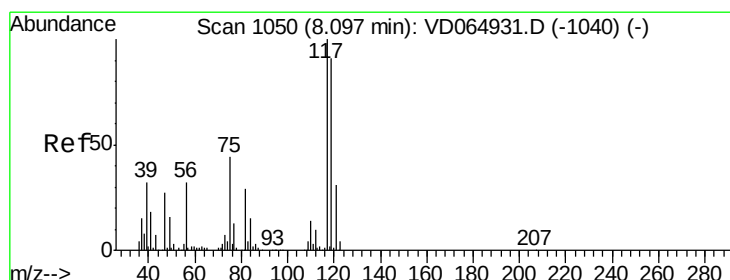
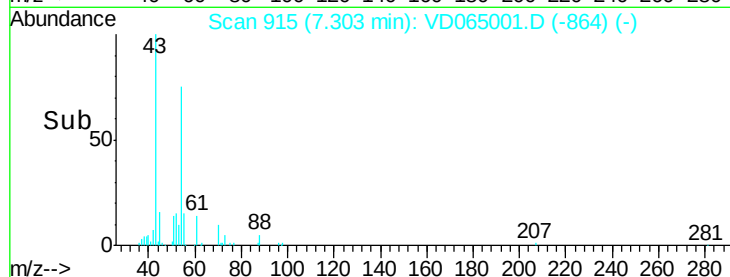
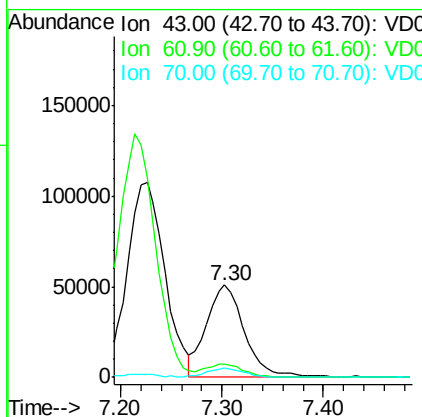
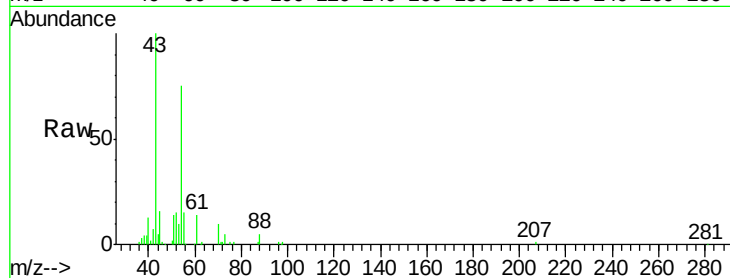
#37
Ethyl Acetate
Concen: 49.399 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.4
70	9.9	7.5	11.3

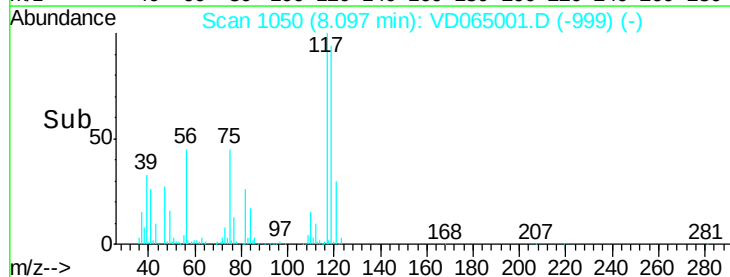
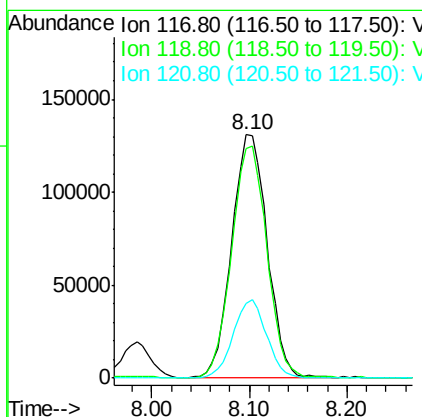
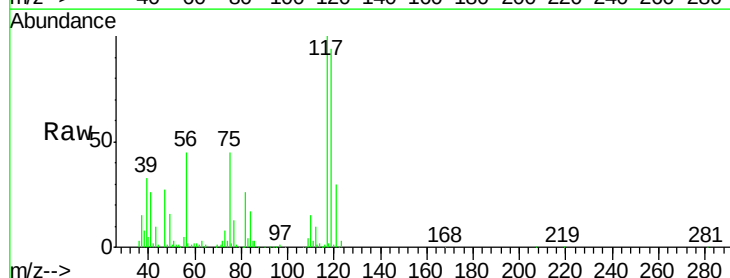
Manual Integrations
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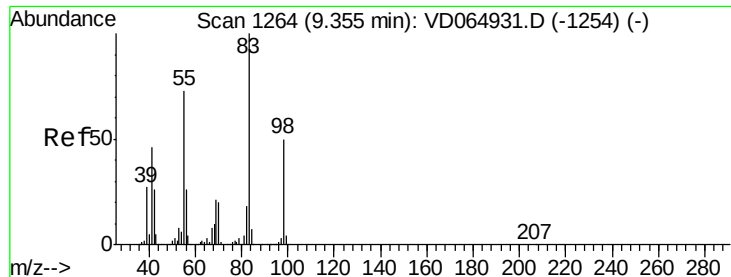
MMDadoda
1/30/2020 10:27:16 AM



#38
Carbon Tetrachloride
Concen: 48.824 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	73.2	109.8
121	30.5	24.4	36.6





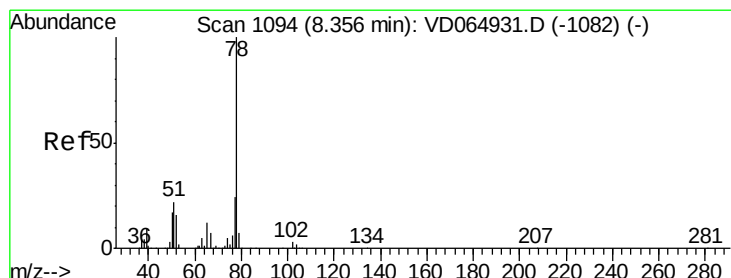
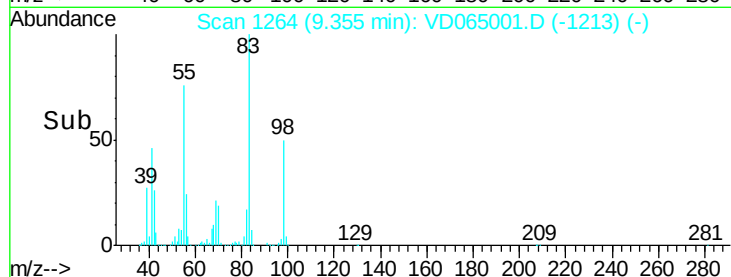
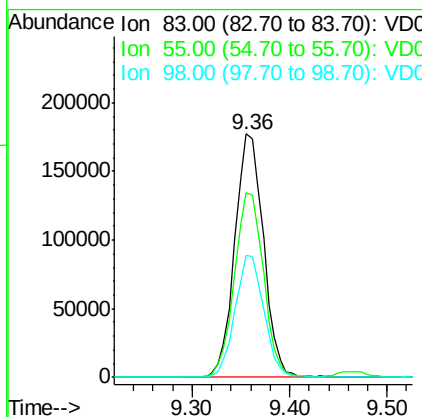
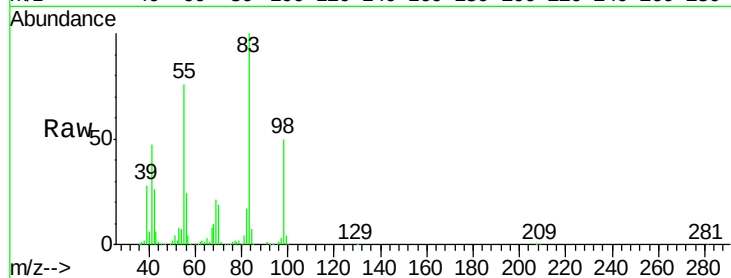
#39
Methylvlcyclohexane
Concen: 48.908 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	58.7	88.1
98	50.1	40.2	60.2

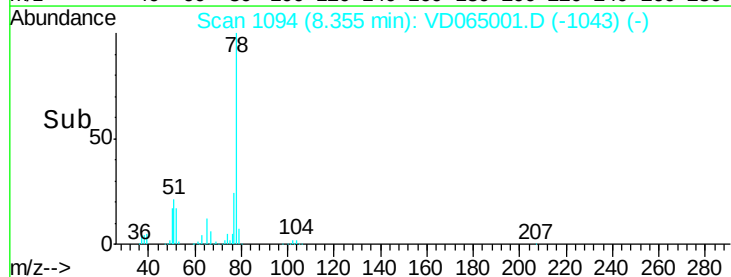
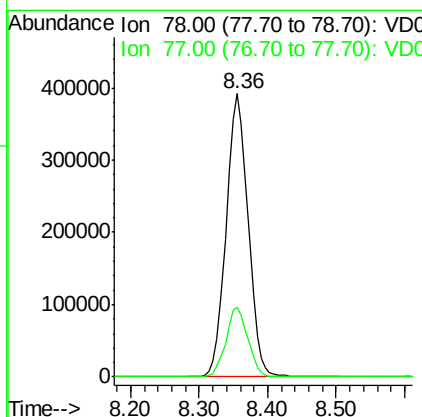
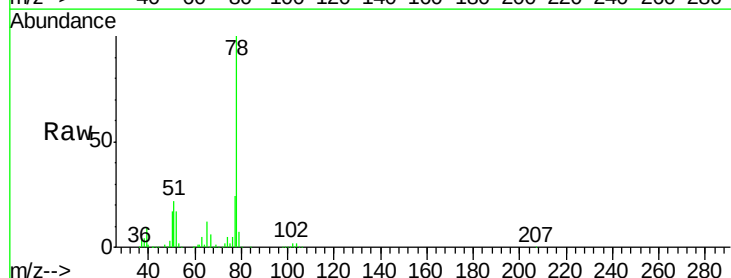
Manual Integrations
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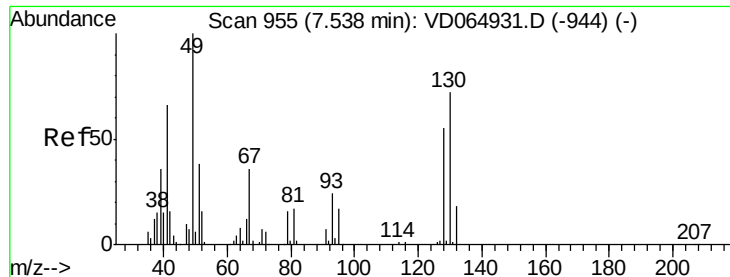
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#40
Benzene
Concen: 49.601 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.2	28.8





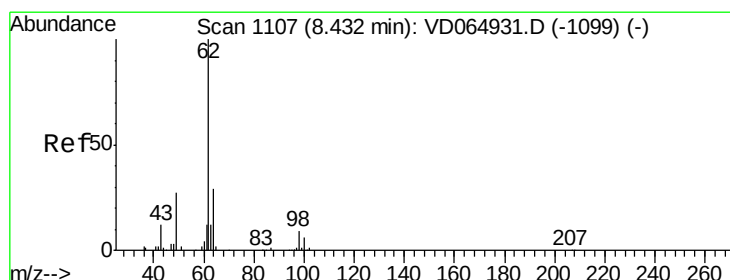
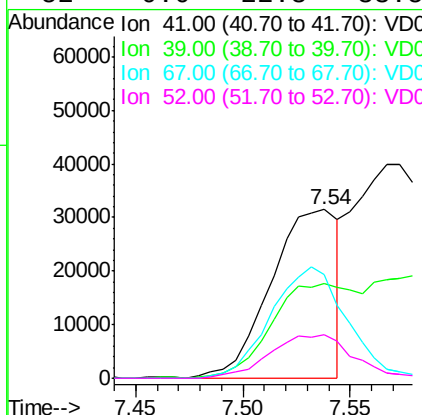
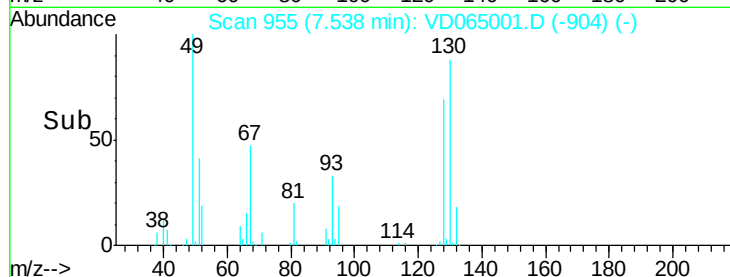
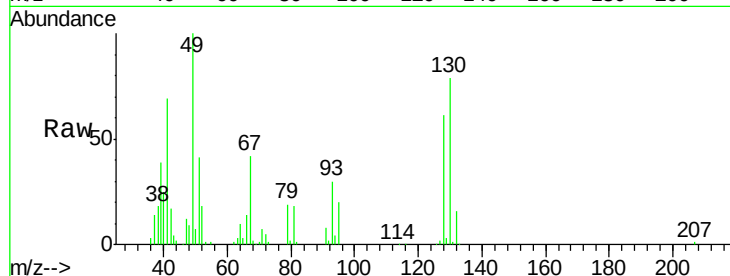
#41
Methacrylonitrile
Concen: 48.521 ug/l m
RT: 7.54 min Scan# 955
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	49.3	73.9#
67	0.0	51.0	76.6#
52	0.0	22.3	33.5#

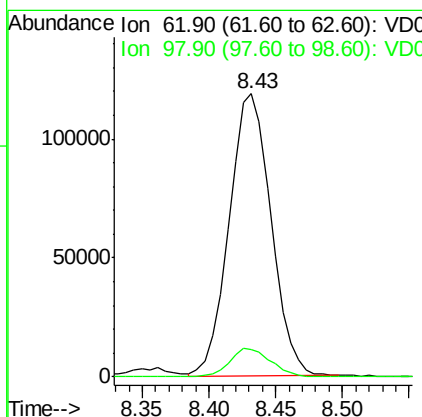
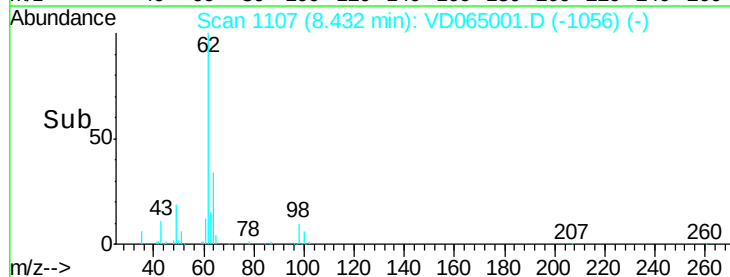
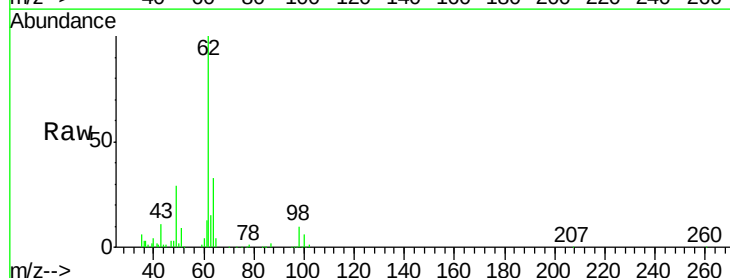
Manual Integrations
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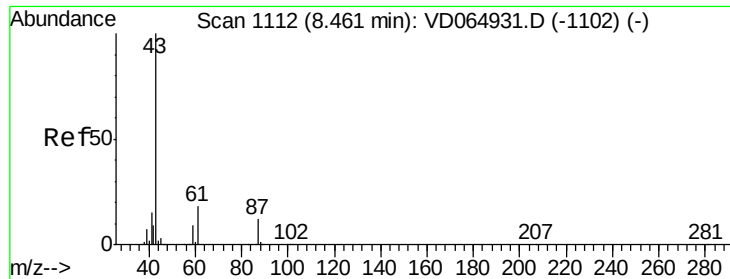
MMDadoda
1/30/2020 10:27:16 AM



#42
1,2-Dichloroethane
Concen: 49.463 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	17.8





#43

Isopropyl Acetate

Concen: 49.003 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Instrument :

MSVOA_D

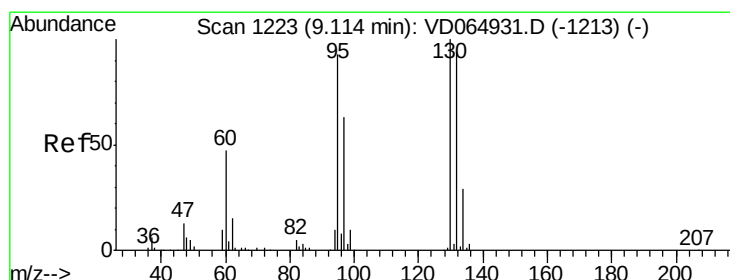
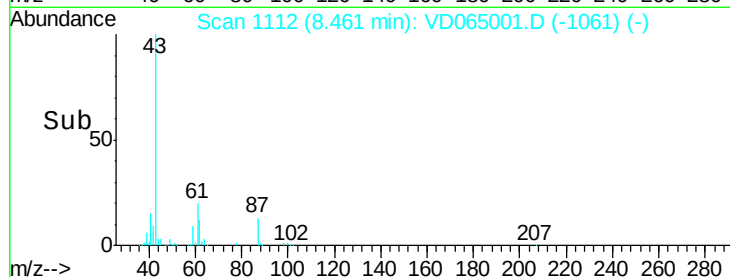
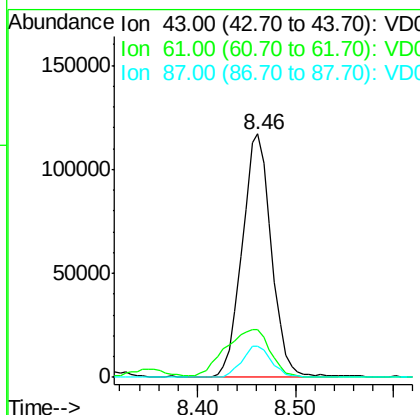
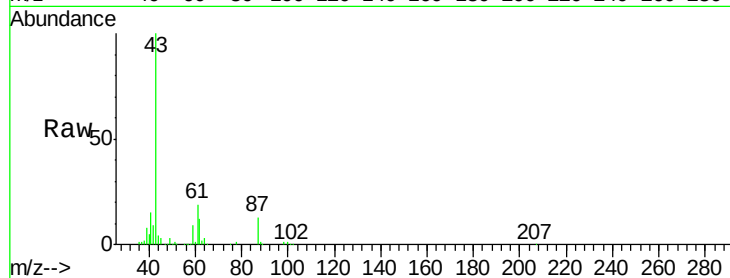
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	245452
Ion	Ratio	Lower	Upper
43	100		
61	29.7	23.8	35.6
87	13.1	10.3	15.5

Manual Integrations
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1/30/2020 10:27:16 AM



#44

Trichloroethene

Concen: 49.176 ug/l

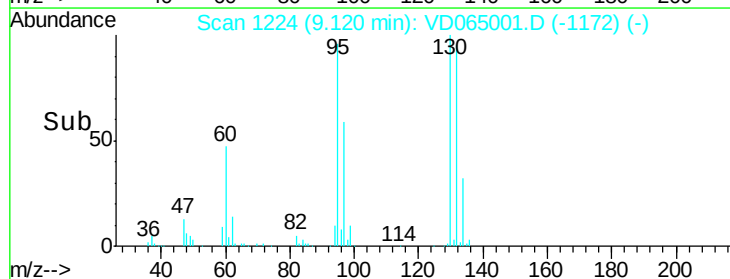
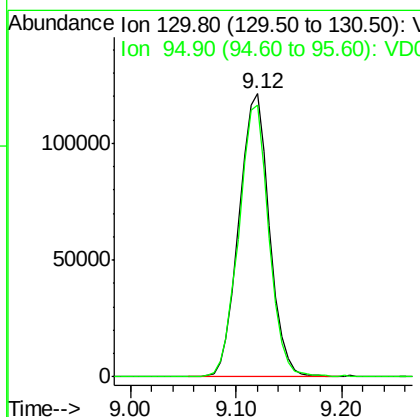
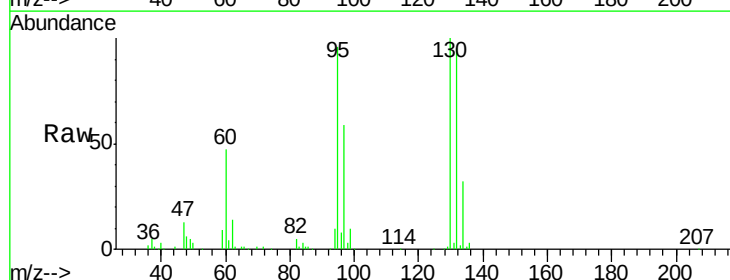
RT: 9.12 min Scan# 1224

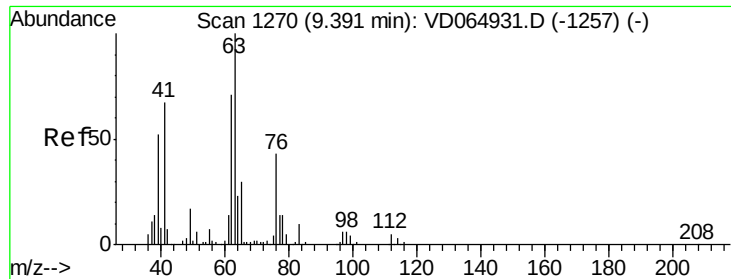
Delta R.T. 0.01 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Tgt Ion:	130	Resp:	241982
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	185.8





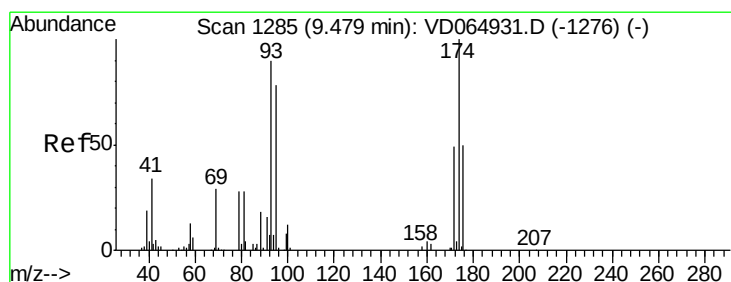
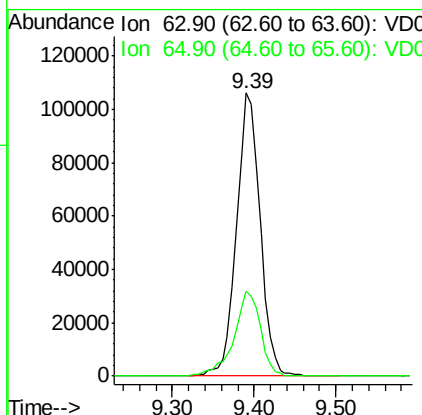
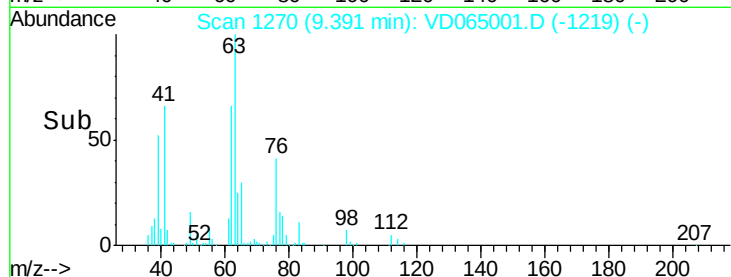
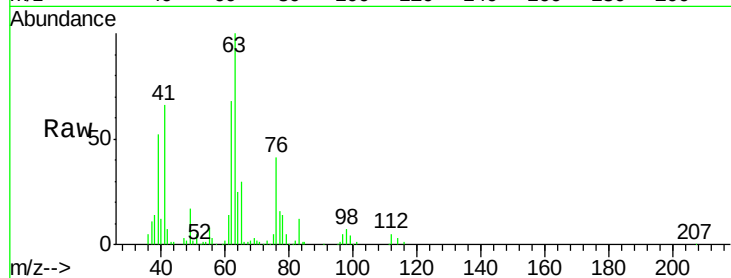
#45
 1,2-Dichloropropane
 Concen: 50.355 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065001.D
 Acq: 29 Jan 2020 17:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.3	36.5

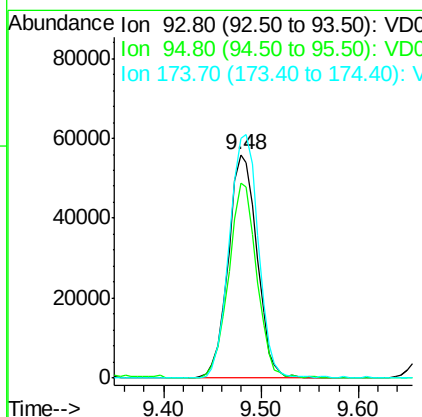
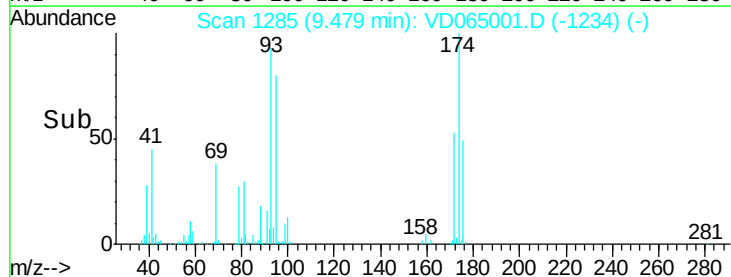
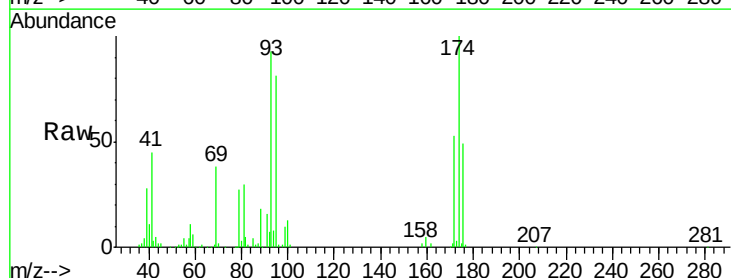
Manual Integrations
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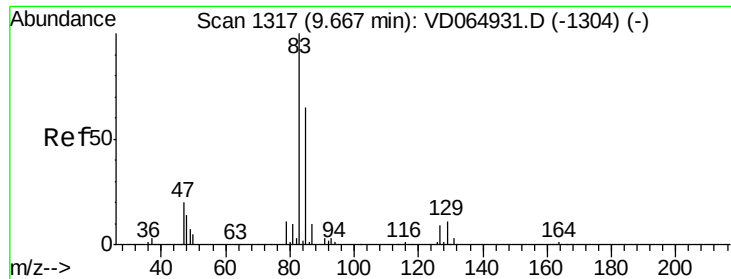
MMDadoda
 1/30/2020 10:27:16 AM



#46
 Dibromomethane
 Concen: 49.216 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065001.D
 Acq: 29 Jan 2020 17:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.9	67.5	101.3
174	109.9	88.4	132.6





#47

Bromodichloromethane

Concen: 50.905 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Instrument :

MSVOA_D

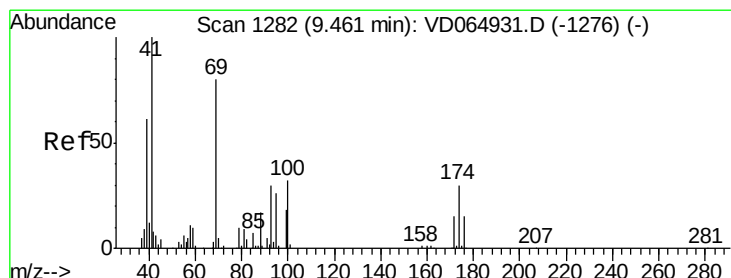
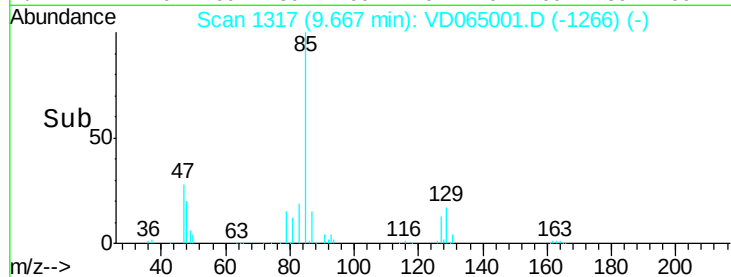
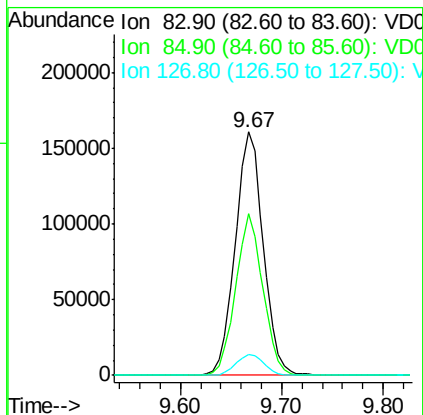
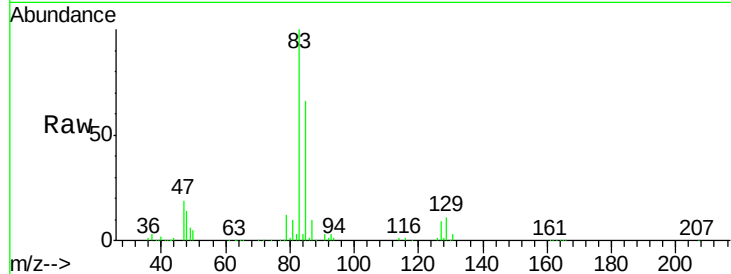
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	308238
Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.0	78.0
127	8.6	7.3	10.9

Manual Integrations
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MMDadoda
1/30/2020 10:27:16 AM



#48

Methyl methacrylate

Concen: 51.095 ug/l

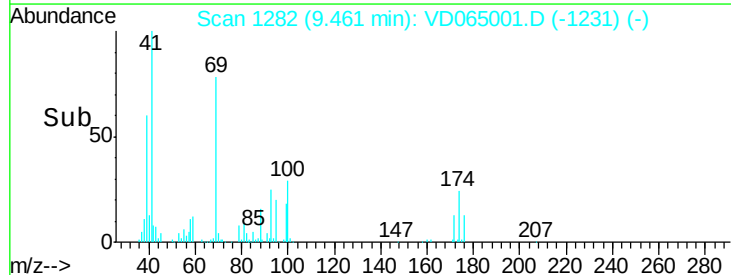
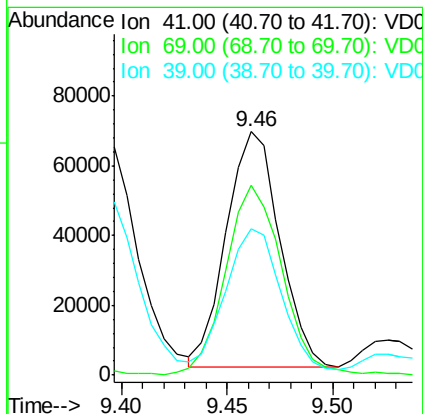
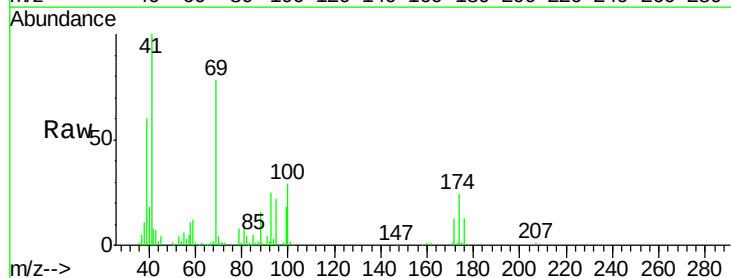
RT: 9.46 min Scan# 1282

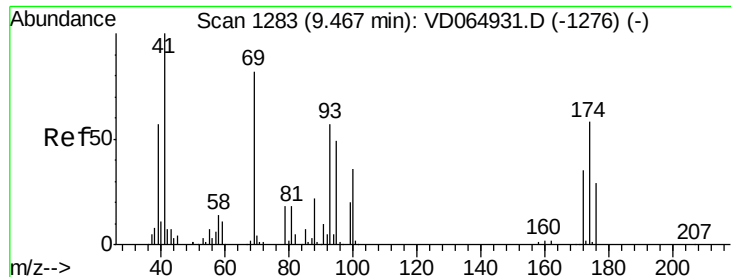
Delta R.T. -0.00 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Tgt Ion:	41	Resp:	117776
Ion	Ratio	Lower	Upper
41	100		
69	86.0	65.8	98.8
39	61.6	49.4	74.0





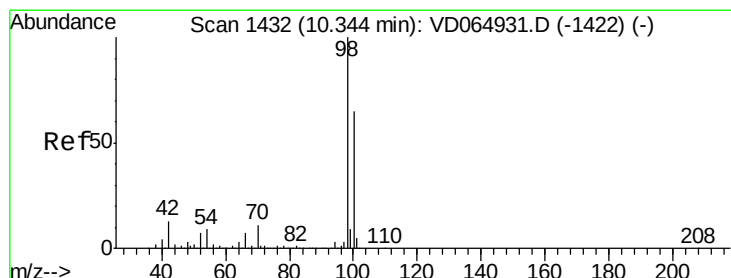
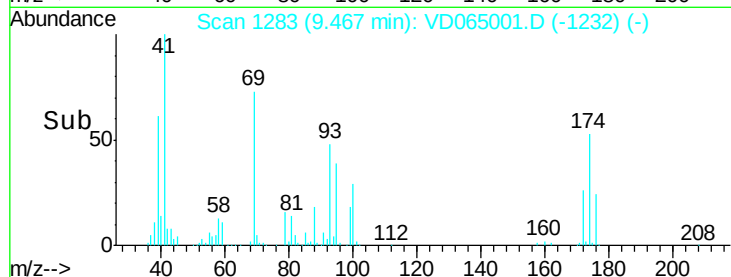
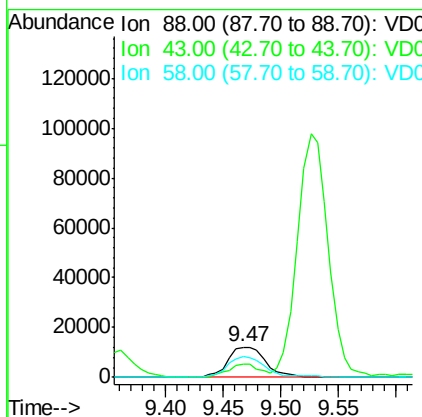
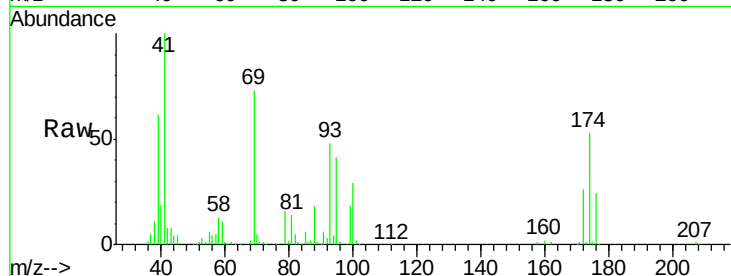
#49
1,4-Dioxane
Concen: 1027.581 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 27733
Ion Ratio Lower Upper
88 100
43 37.8 26.2 39.4
58 65.4 50.3 75.5

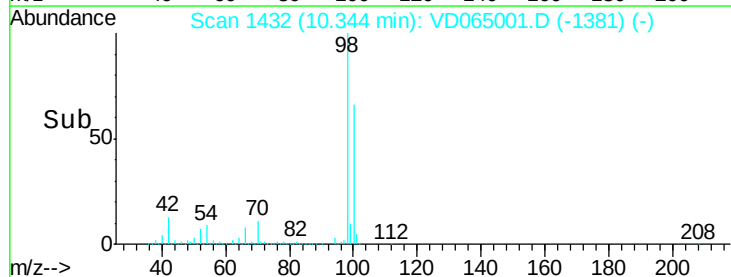
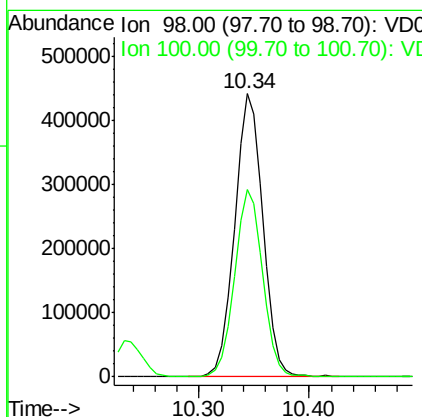
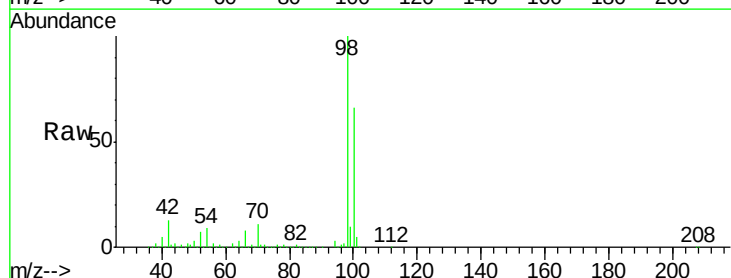
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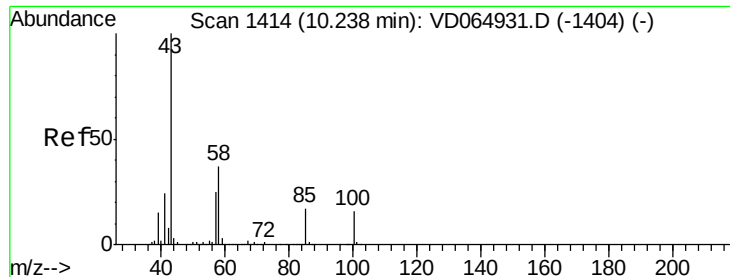
MMDadoda
1/30/2020 10:27:16 AM



#50
Toluene-d8
Concen: 49.239 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Tgt Ion: 98 Resp: 790649
Ion Ratio Lower Upper
98 100
100 66.0 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 254.211 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 637122

Ion Ratio Lower Upper

43 100

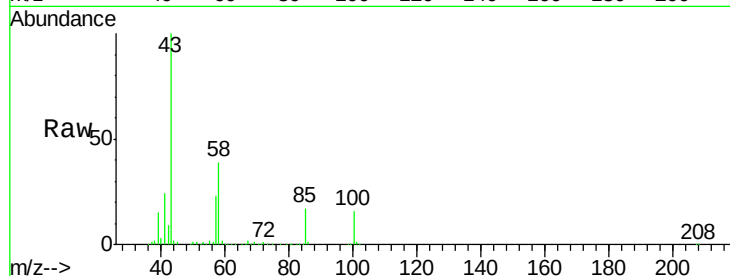
58 38.1 30.4 45.6

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.24

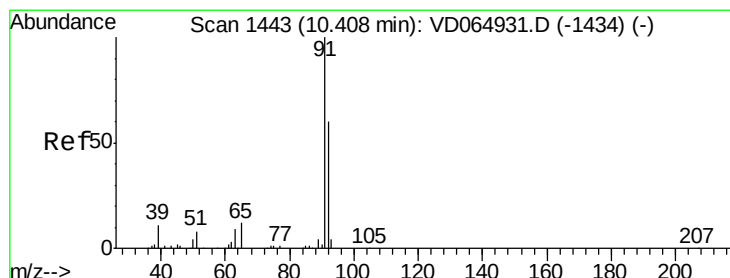
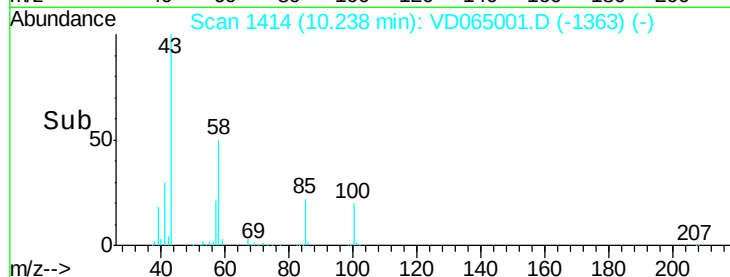
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.439 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065001.D

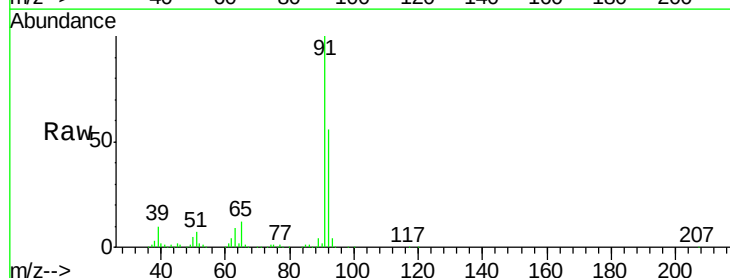
Acq: 29 Jan 2020 17:53

Tgt Ion: 92 Resp: 560428

Ion Ratio Lower Upper

92 100

91 175.7 136.8 205.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

600000

500000

400000

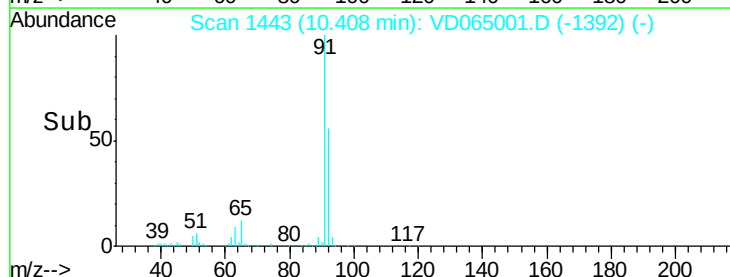
300000

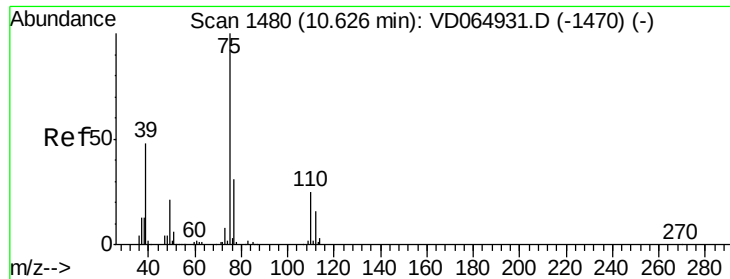
200000

100000

0

Time-->





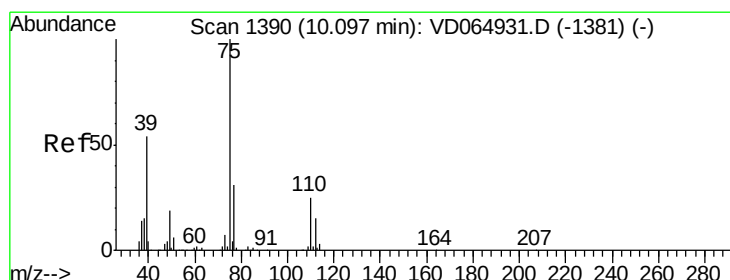
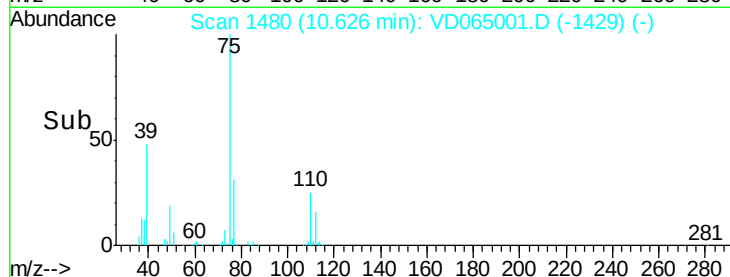
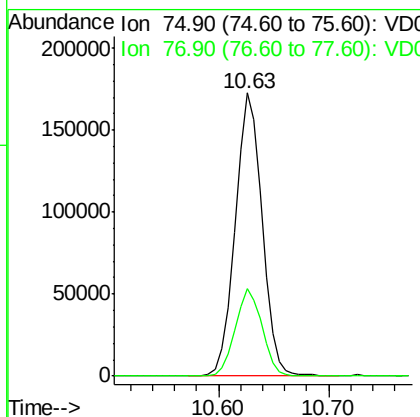
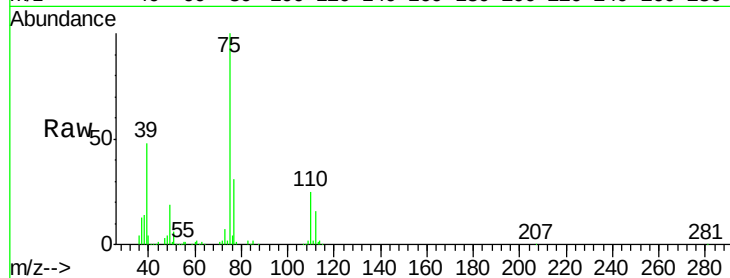
#53
t-1,3-Dichloropropene
Concen: 51.270 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.0	37.6

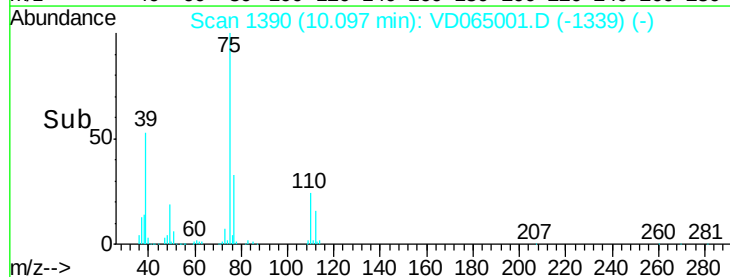
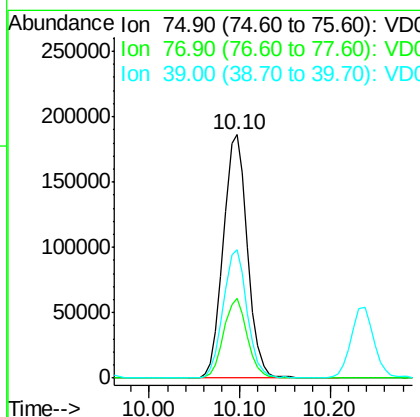
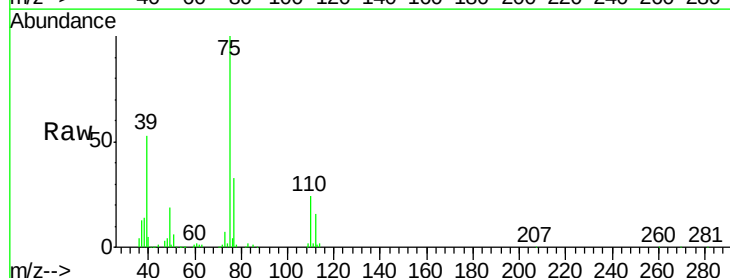
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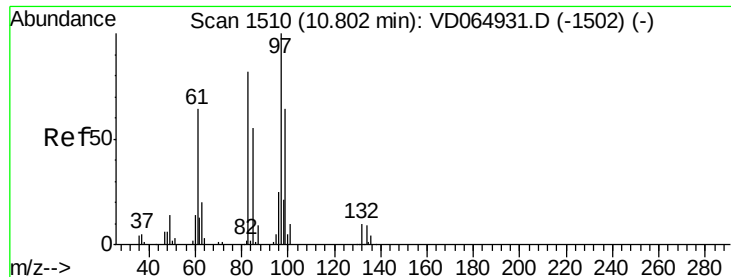
MMDadoda
1/30/2020 10:27:16 AM



#54
cis-1,3-Dichloropropene
Concen: 50.899 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.1	37.7
39	52.6	43.0	64.6





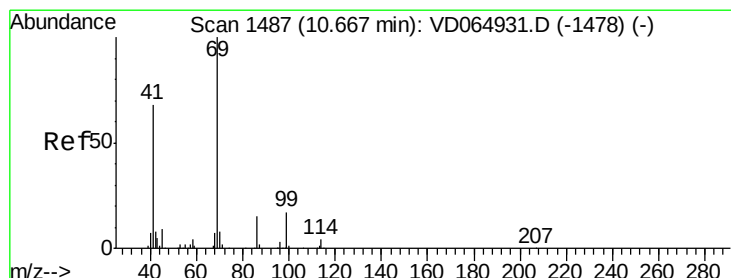
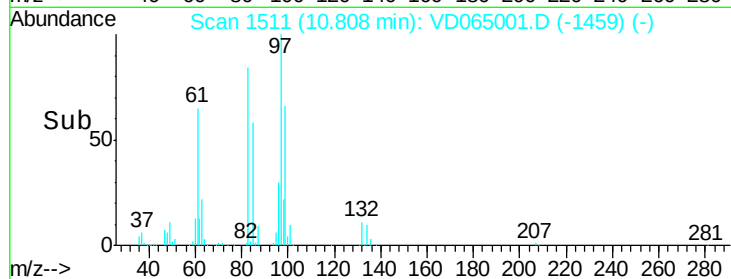
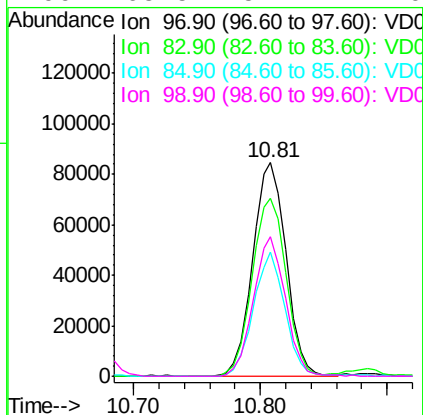
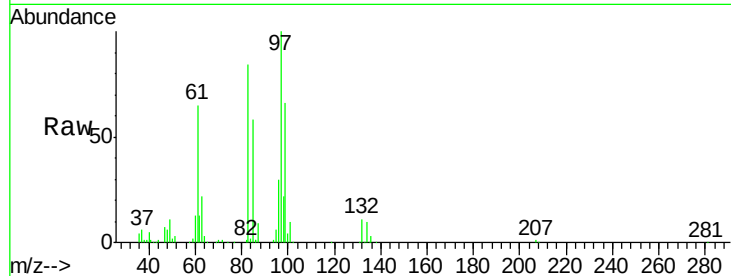
#55
 1,1,2-Trichloroethane
 Concen: 49.603 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD065001.D
 Acq: 29 Jan 2020 17:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	155483
Ion	Ratio	Lower	Upper
97	100		
83	83.6	66.0	99.0
85	57.9	44.4	66.6
99	65.5	51.4	77.0

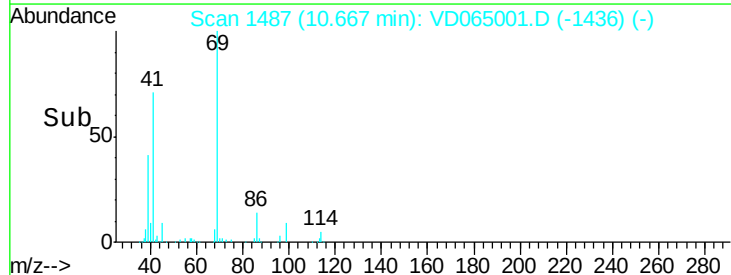
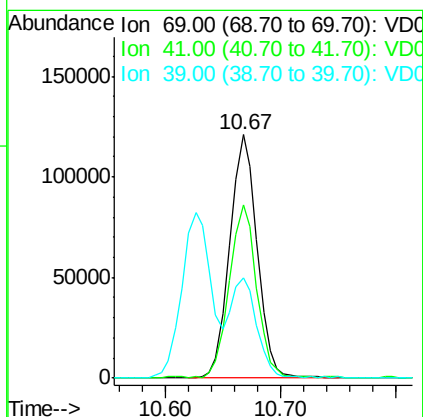
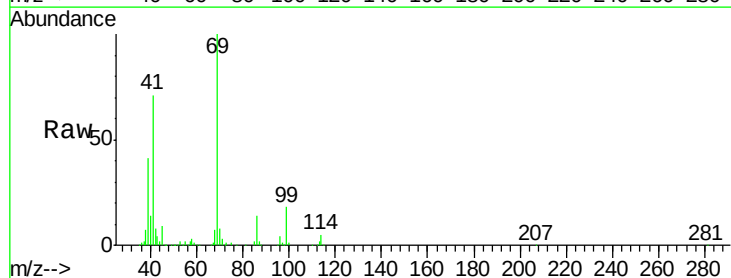
Manual Integrations
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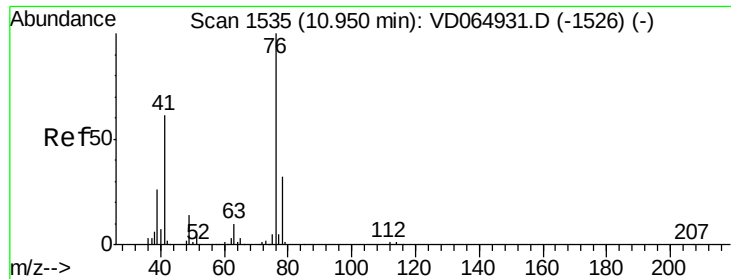
MMDadoda
 1/30/2020 10:27:16 AM



#56
 Ethyl methacrylate
 Concen: 53.031 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065001.D
 Acq: 29 Jan 2020 17:53

Tgt Ion:	69	Resp:	198780
Ion	Ratio	Lower	Upper
69	100		
41	70.4	56.4	84.6
39	38.9	30.6	46.0





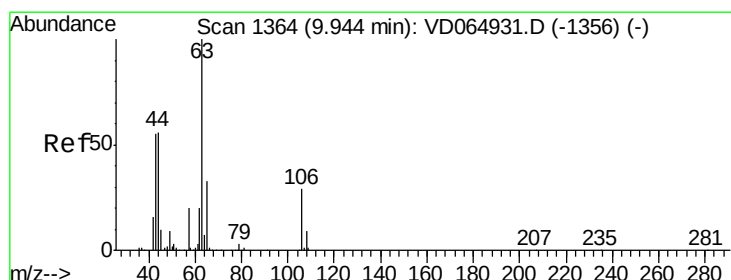
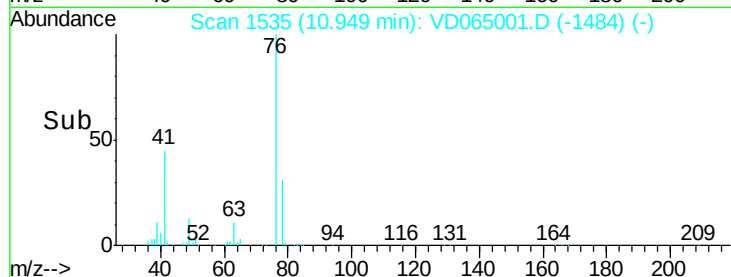
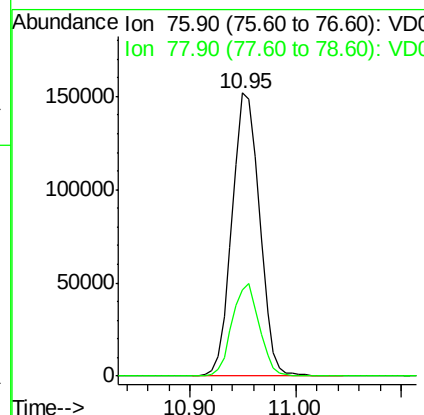
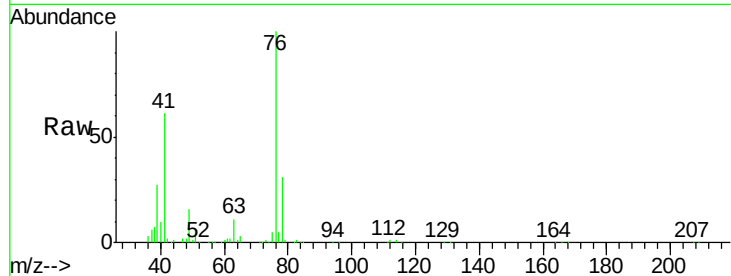
#57
 1,3-Dichloropropane
 Concen: 51.040 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065001.D
 Acq: 29 Jan 2020 17:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.7	38.5

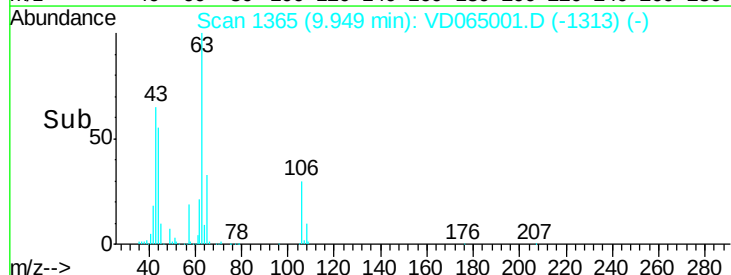
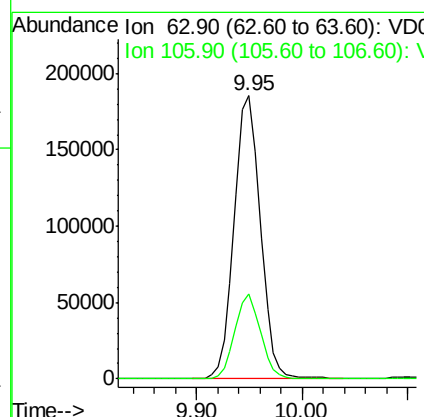
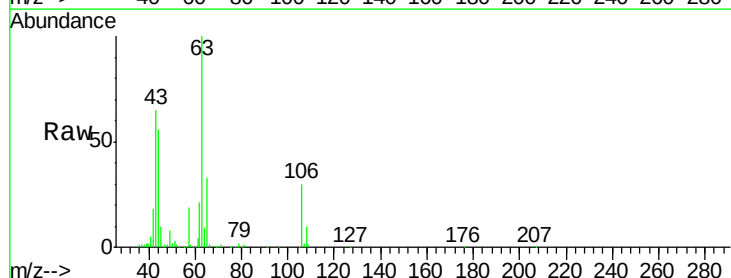
Manual Integrations
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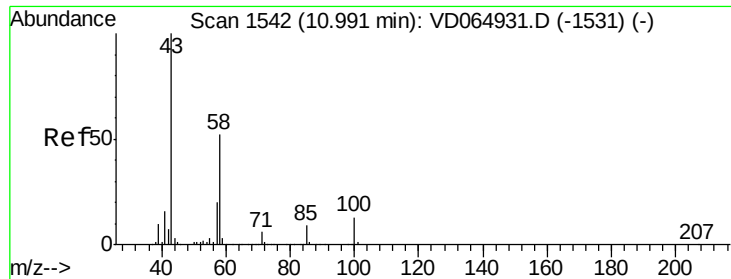
MMDadoda
 1/30/2020 10:27:16 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 255.145 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD065001.D
 Acq: 29 Jan 2020 17:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.5	23.0	34.4





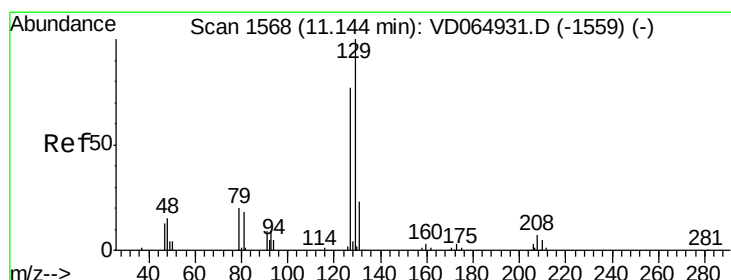
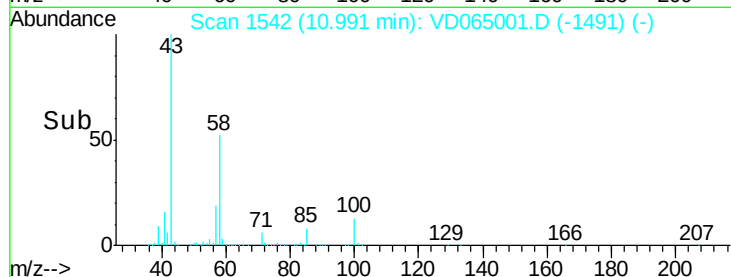
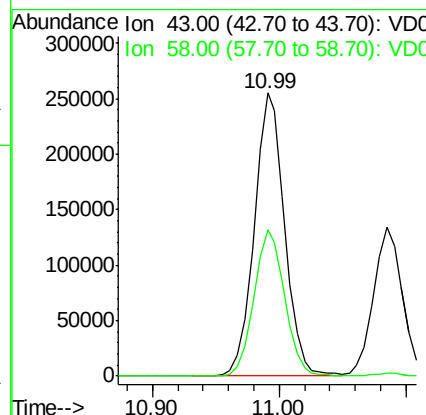
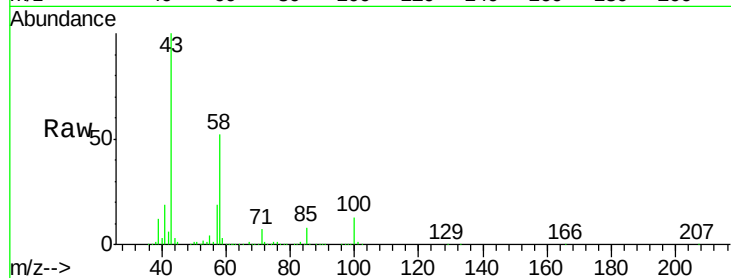
#59
2-Hexanone
Concen: 244.999 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.5	79.4

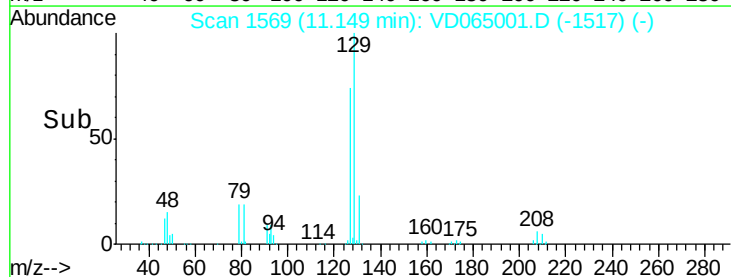
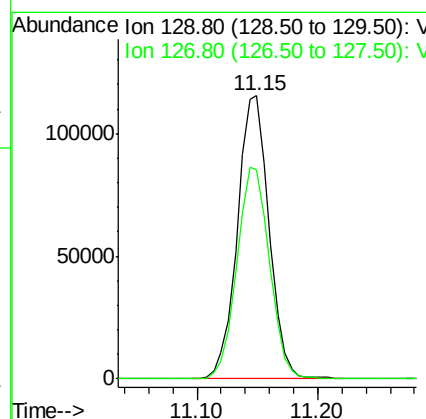
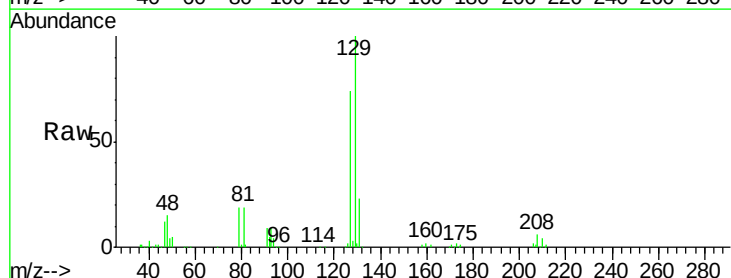
Manual Integrations
APPROVED

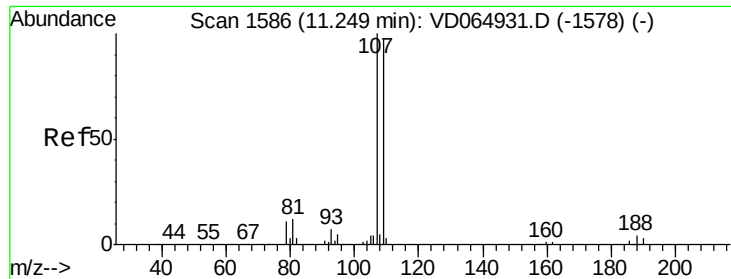
MMDadoda
1/30/2020 10:27:16 AM



#60
Dibromochloromethane
Concen: 50.382 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.2	114.6





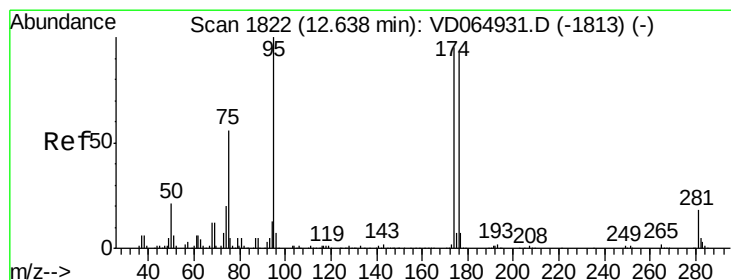
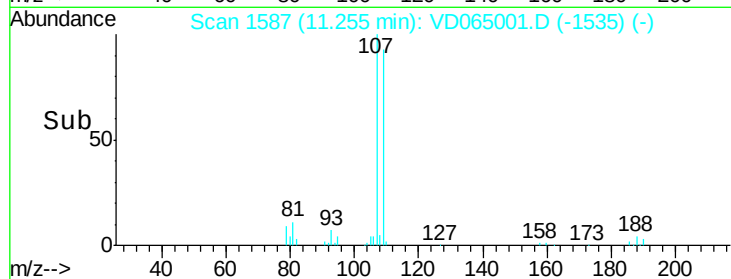
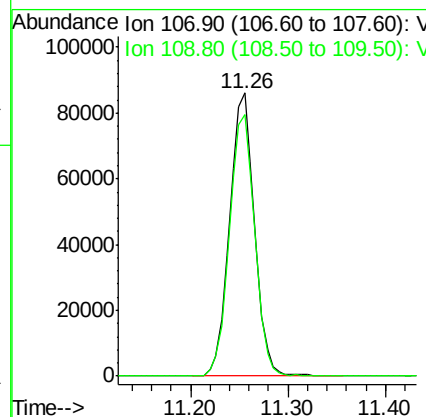
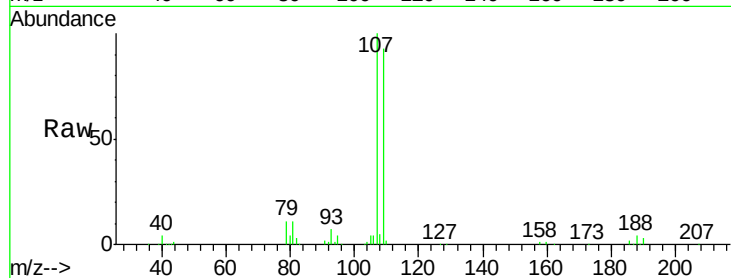
#61
 1,2-Dibromoethane
 Concen: 50.243 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD065001.D
 Acq: 29 Jan 2020 17:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	77.1	115.7

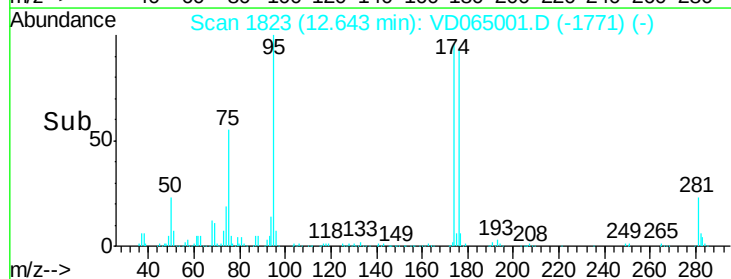
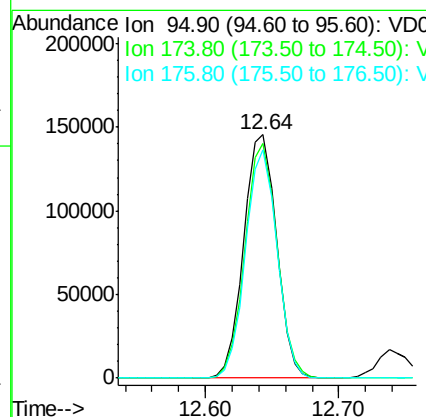
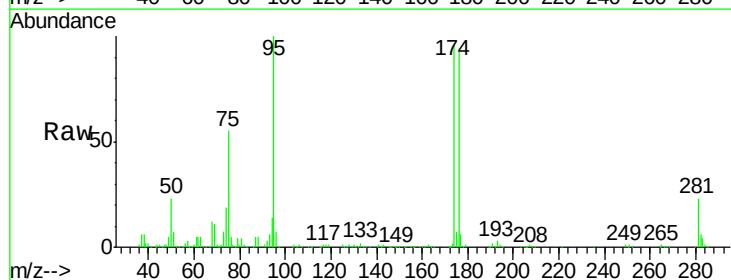
Manual Integrations
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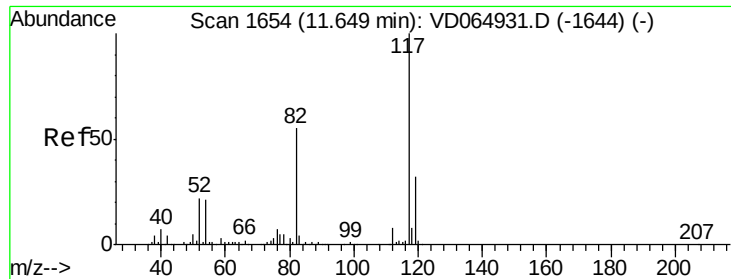
MMDadoda
 1/30/2020 10:27:16 AM



#62
 4-Bromofluorobenzene
 Concen: 50.425 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065001.D
 Acq: 29 Jan 2020 17:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.8	0.0	186.8
176	89.9	0.0	183.4





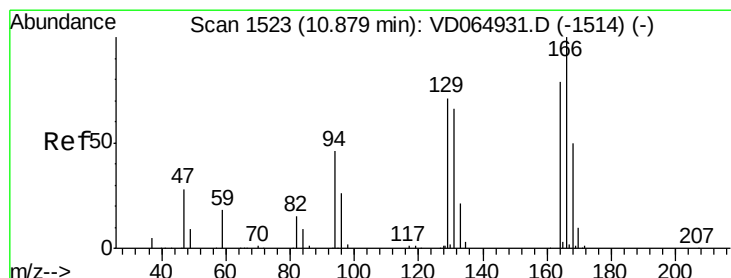
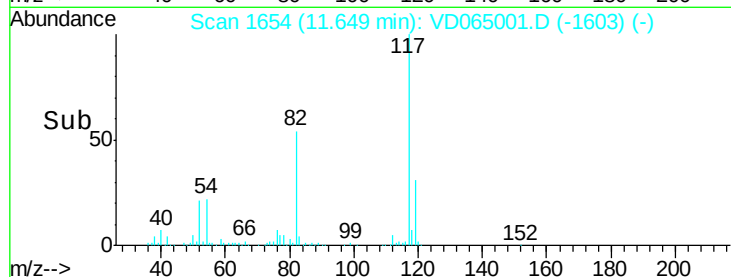
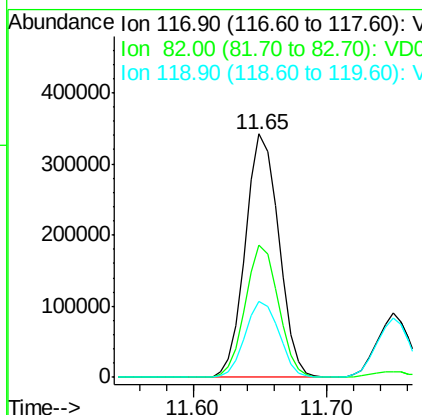
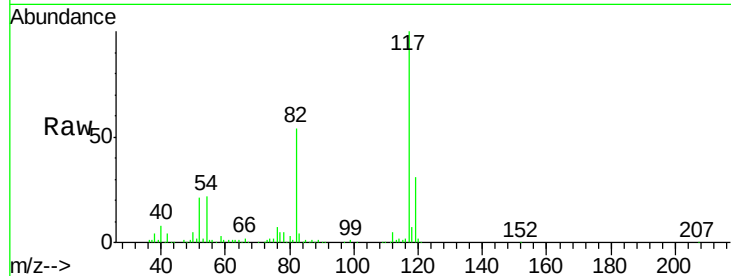
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.6	65.4
119	31.4	25.2	37.8

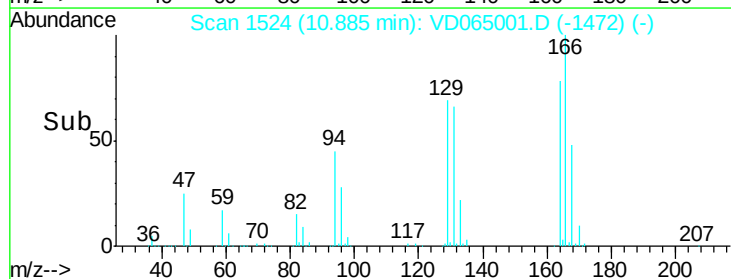
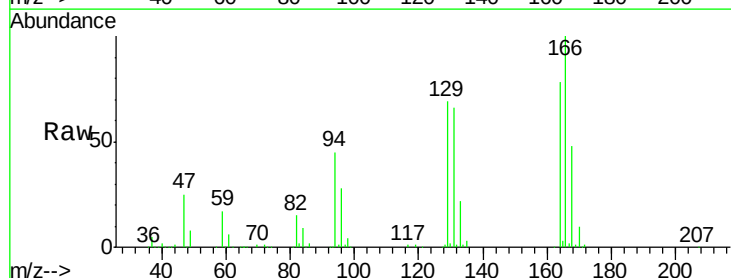
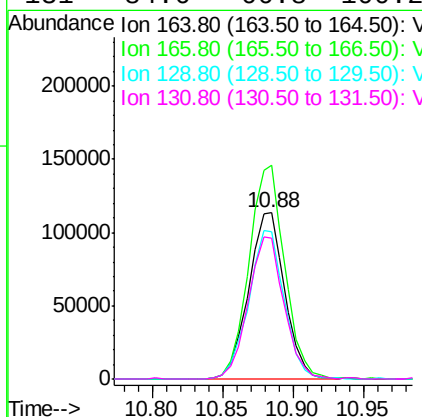
Manual Integrations
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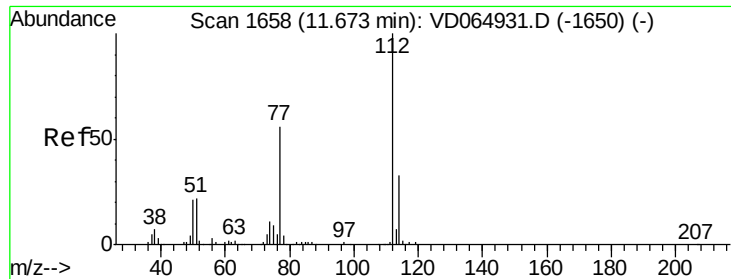
MMDadoda
1/30/2020 10:27:16 AM



#64
Tetrachloroethene
Concen: 47.416 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	101.4	152.2
129	88.5	71.8	107.8
131	84.6	66.8	100.2





#65

Chlorobenzene

Concen: 49.038 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 591771

Ion Ratio Lower Upper

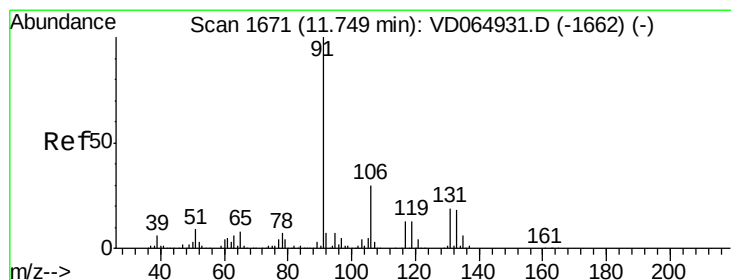
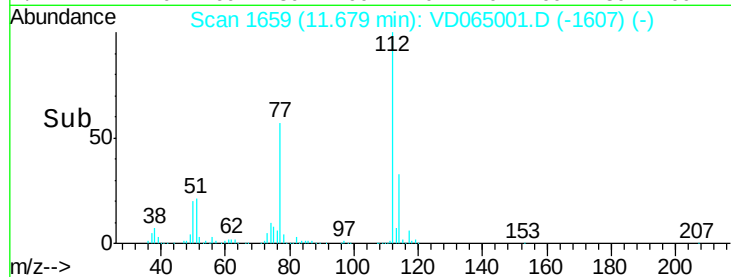
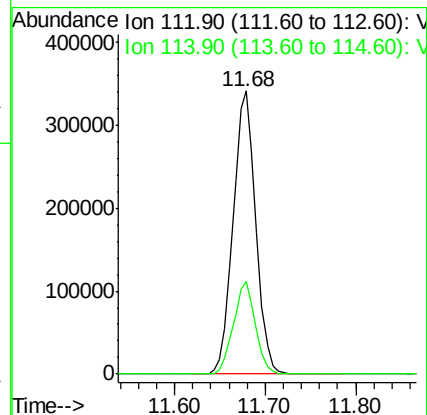
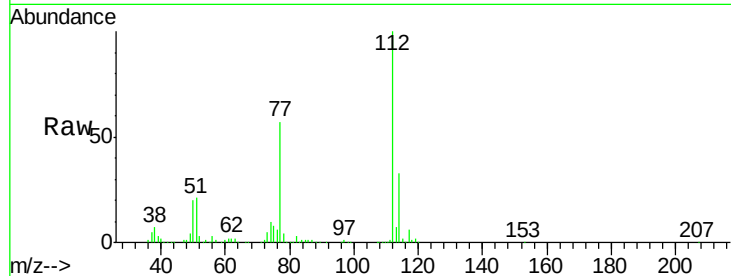
112 100

114 32.9 26.2 39.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 49.502 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

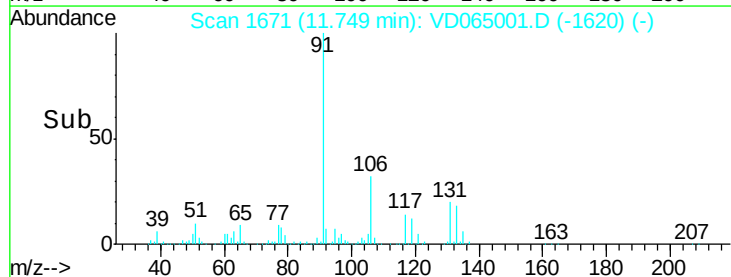
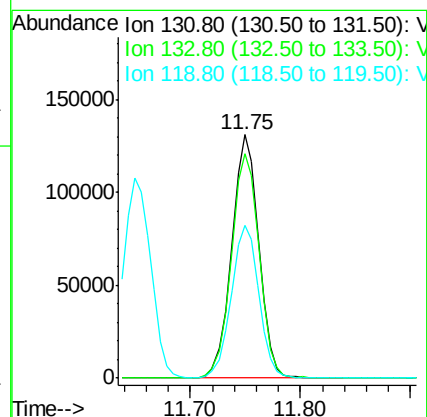
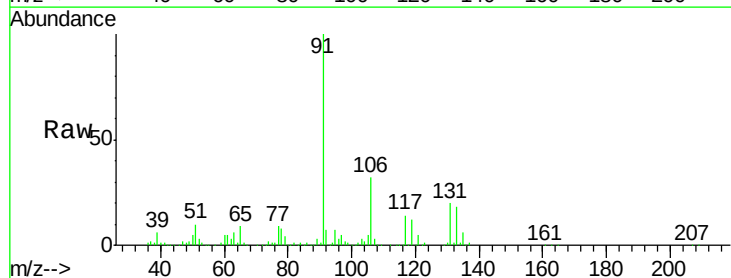
Tgt Ion:131 Resp: 224661

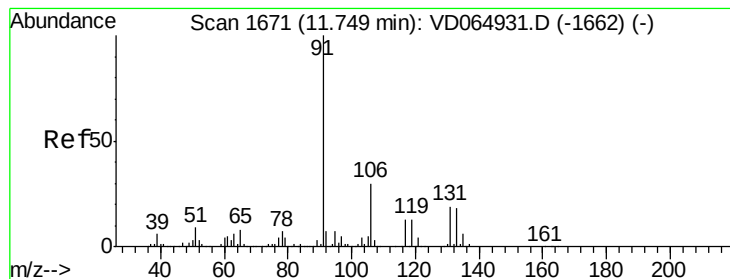
Ion Ratio Lower Upper

131 100

133 95.3 47.5 142.5

119 64.2 31.1 93.5





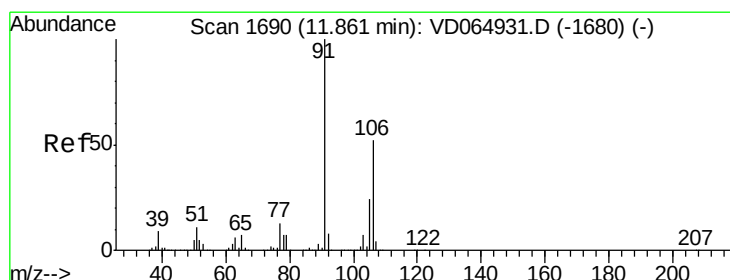
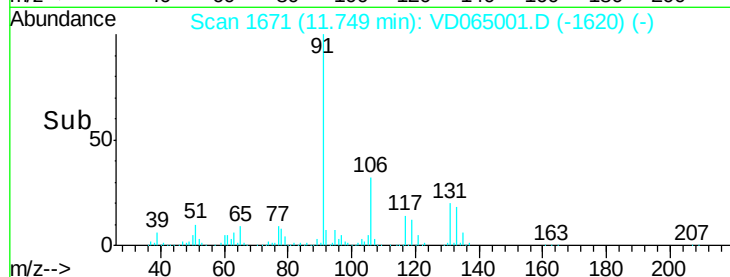
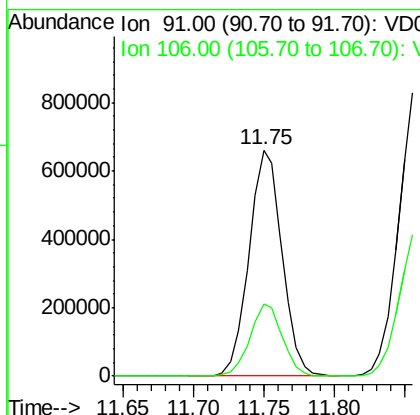
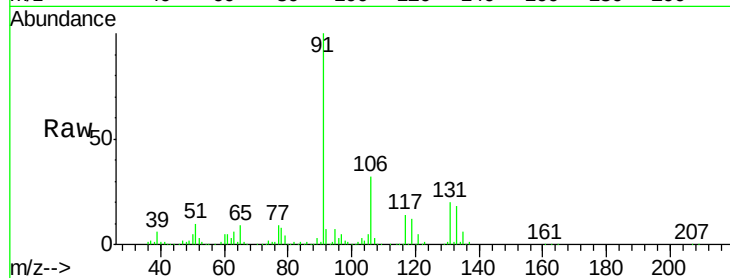
#67
Ethyl Benzene
Concen: 50.657 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1085276
Ion Ratio Lower Upper
91 100
106 32.1 24.3 36.5

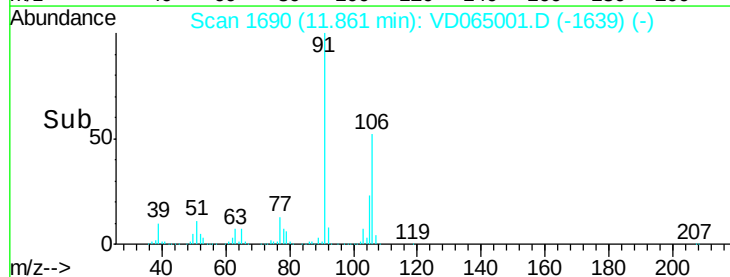
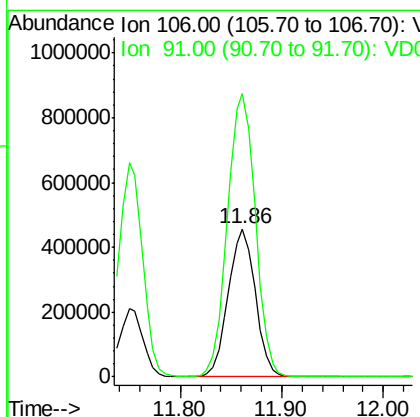
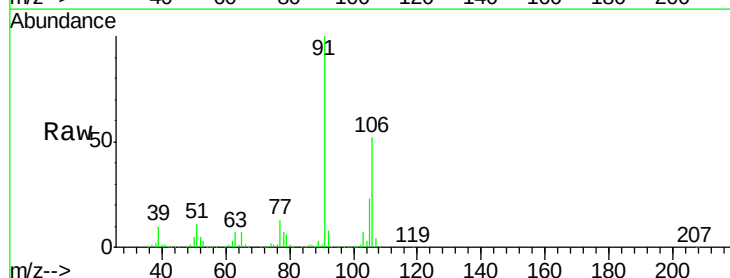
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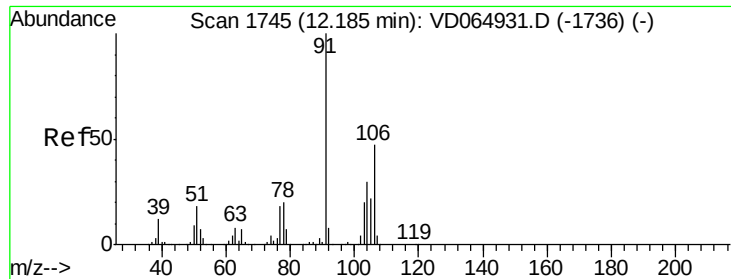
MMDadoda
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#68
m/p-Xylenes
Concen: 102.888 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Tgt Ion: 106 Resp: 848694
Ion Ratio Lower Upper
106 100
91 197.4 159.0 238.4





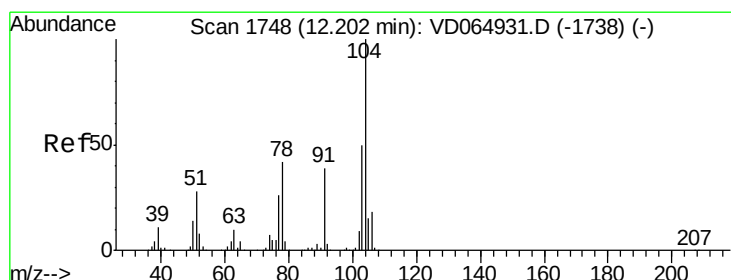
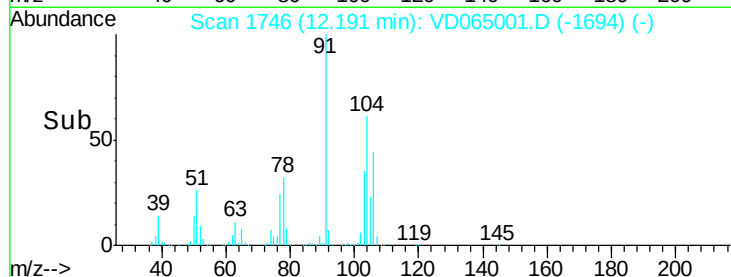
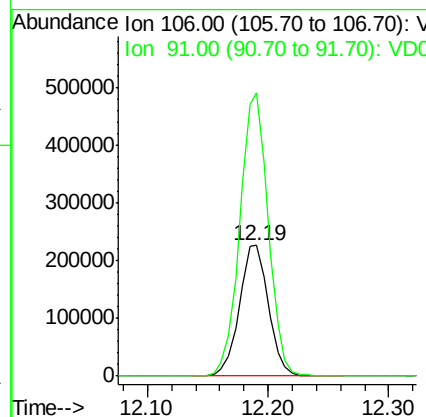
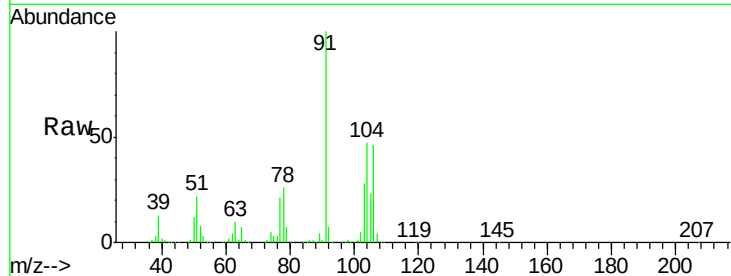
#69
o-Xylene
Concen: 51.935 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 380205
Ion Ratio Lower Upper
106 100
91 211.4 106.7 319.9

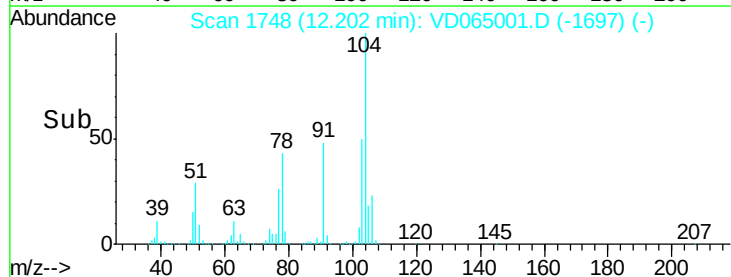
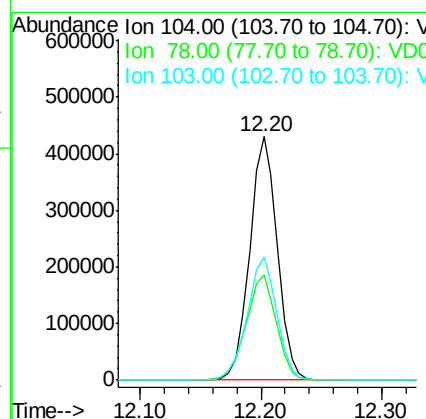
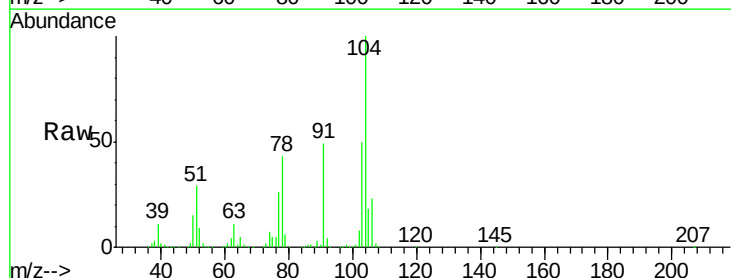
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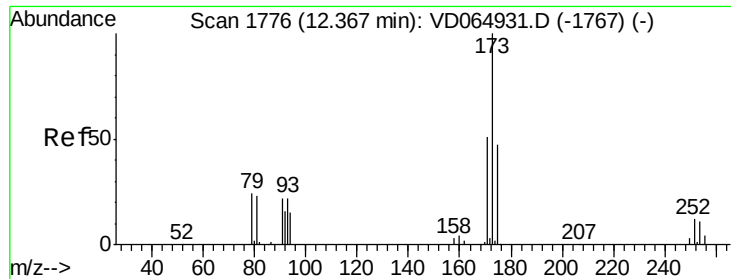
MMDadoda
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#70
Styrene
Concen: 52.608 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Tgt Ion:104 Resp: 686071
Ion Ratio Lower Upper
104 100
78 47.5 38.3 57.5
103 54.2 43.5 65.3





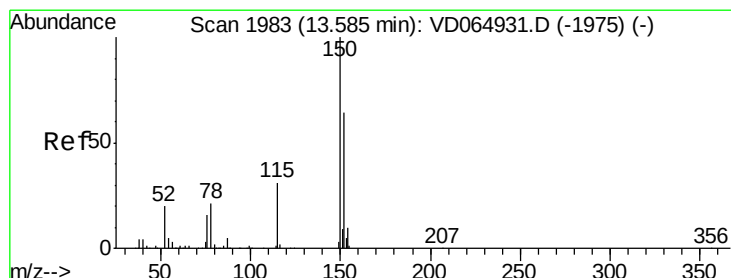
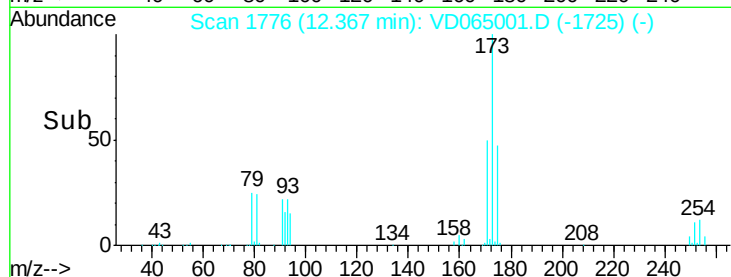
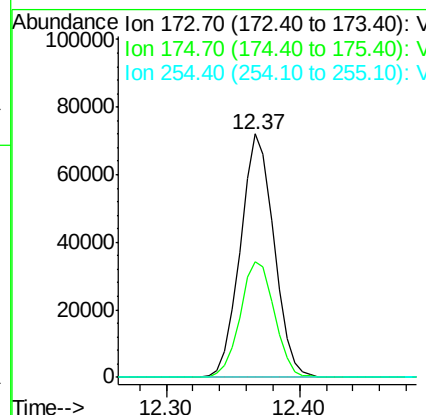
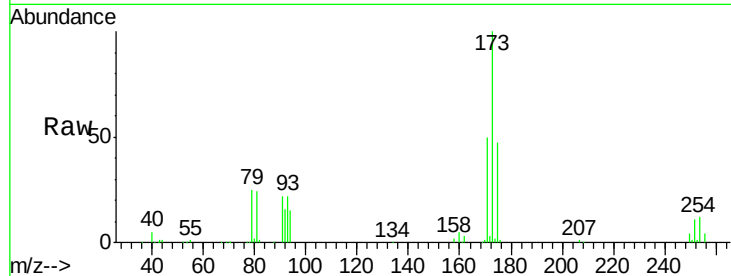
#71
Bromoform
Concen: 49.673 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.8
254	0.1	0.1	0.1

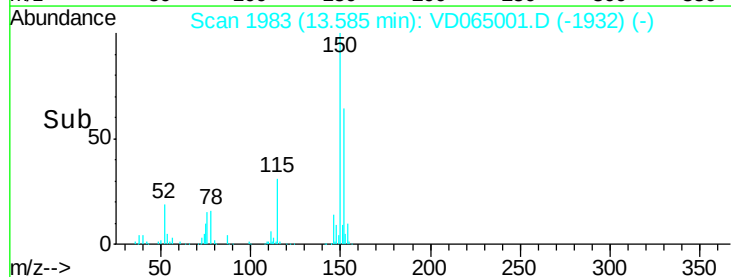
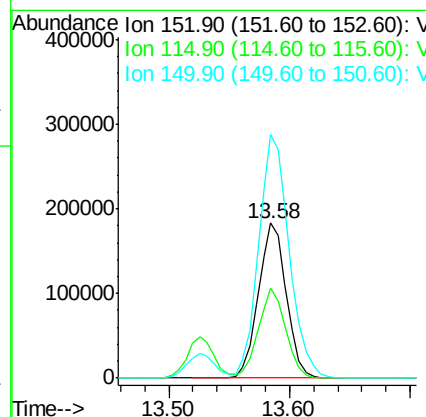
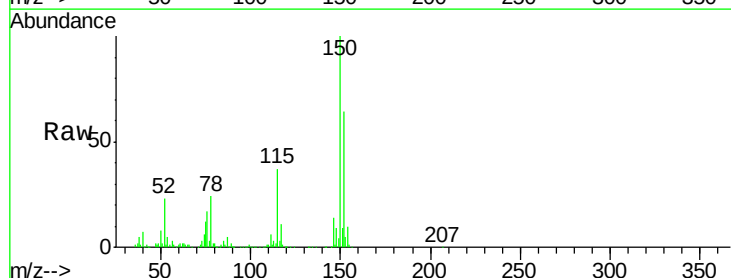
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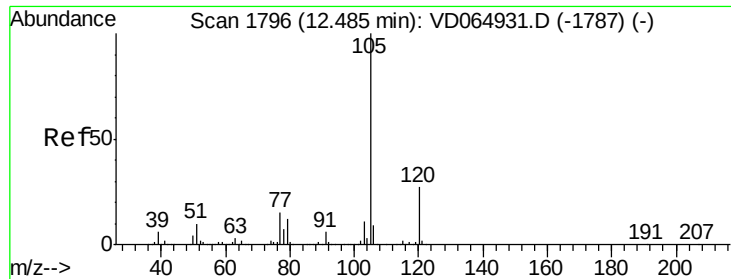
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.1	84.4
150	172.3	0.0	350.4





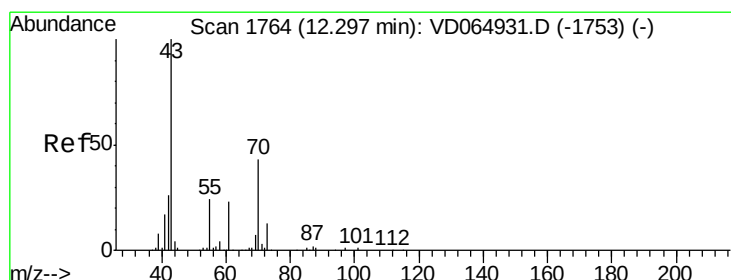
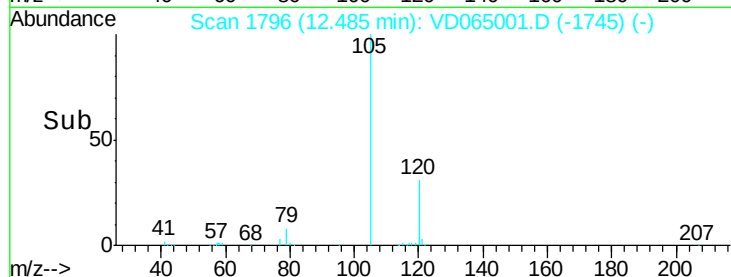
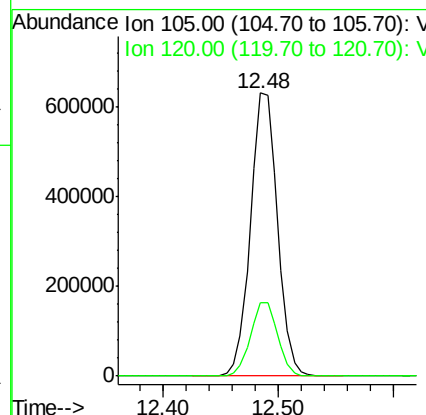
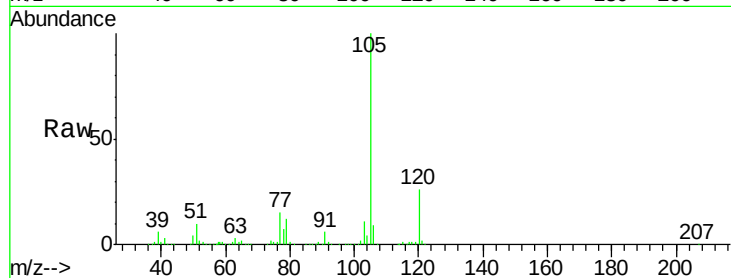
#73
Isopropylbenzene
Concen: 51.176 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1027673
Ion Ratio Lower Upper
105 100
120 26.2 13.3 39.8

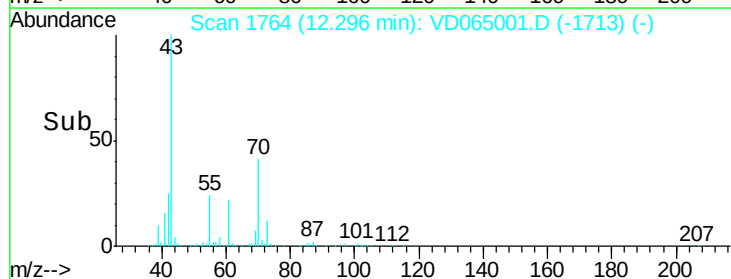
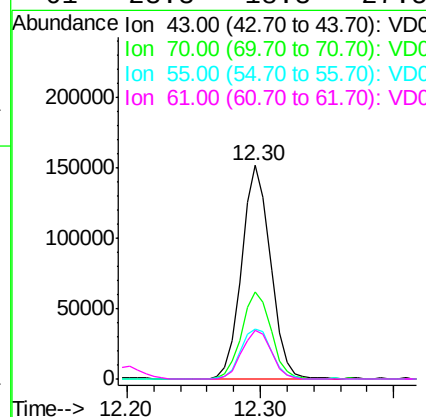
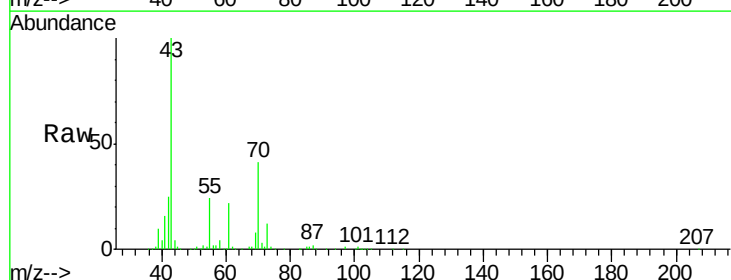
Manual Integrations
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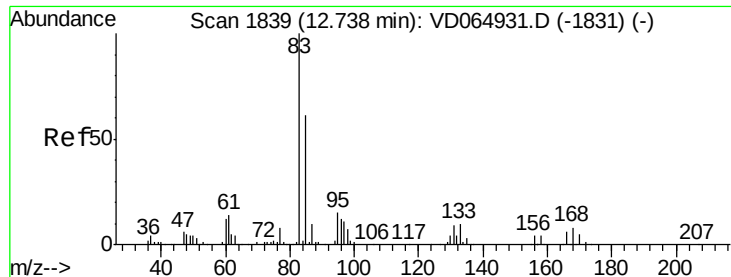
MMDadoda
1/30/2020 10:27:16 AM



#74
N-ethyl acetate
Concen: 50.351 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Tgt Ion: 43 Resp: 226252
Ion Ratio Lower Upper
43 100
70 41.5 32.6 49.0
55 25.3 19.9 29.9
61 23.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.403 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Instrument :

MSVOA_D

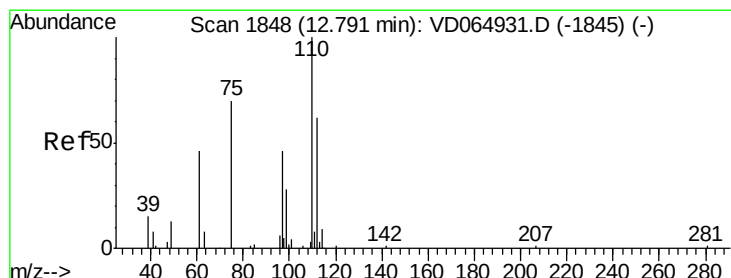
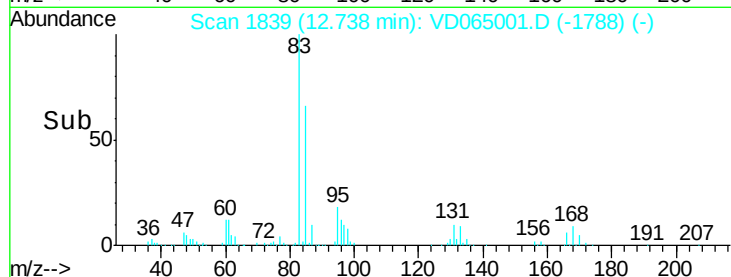
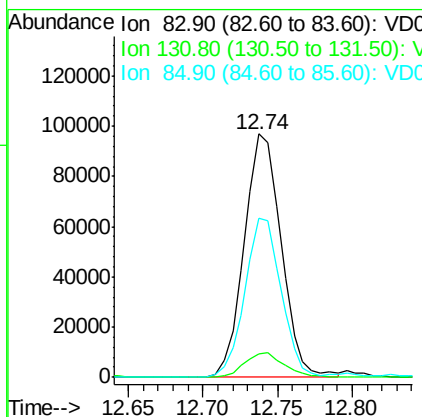
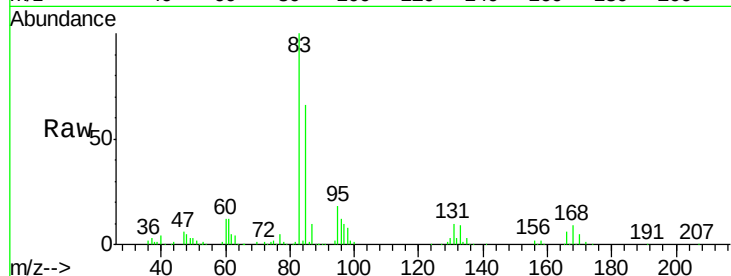
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	166738
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.5	16.4
85	64.0	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.533 ug/l m

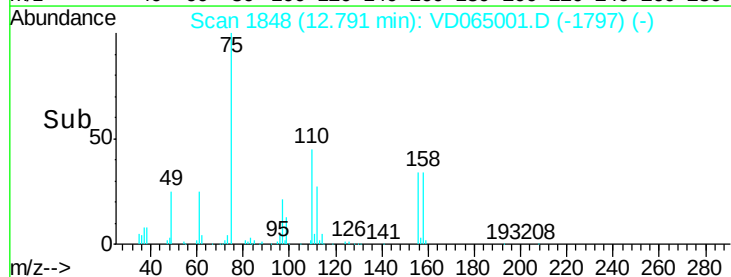
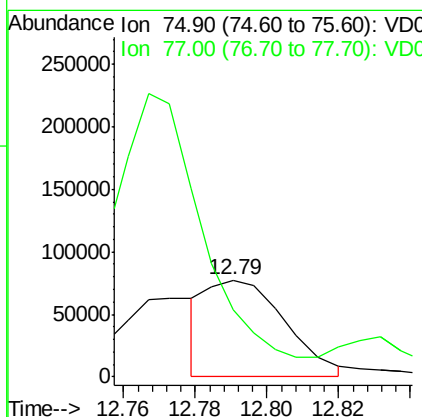
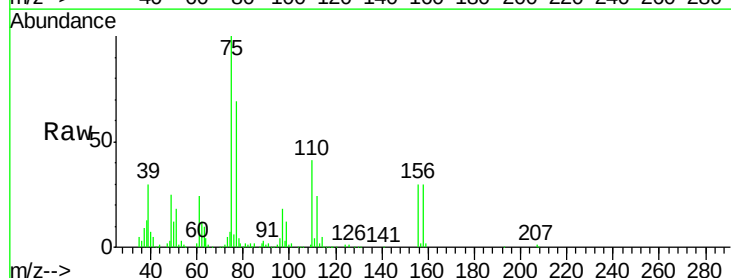
RT: 12.79 min Scan# 1848

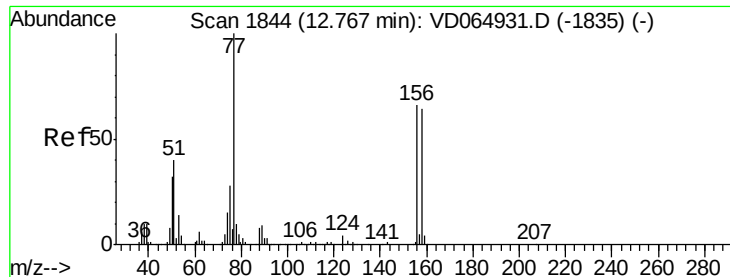
Delta R.T. -0.00 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Tgt Ion:	75	Resp:	118351
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.738 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Instrument :

MSVOA_D

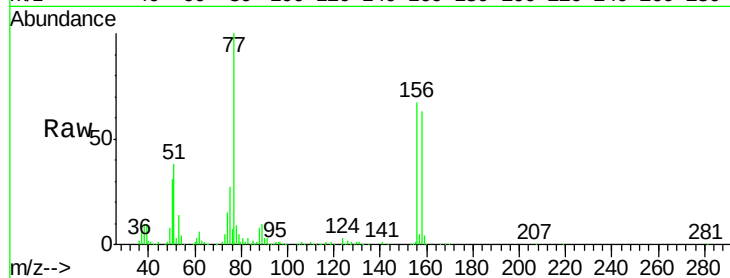
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	249292
Ion Ratio	Lower	Upper	
156	100		
77	168.2	84.2	252.5
158	95.9	48.1	144.4

Manual Integrations
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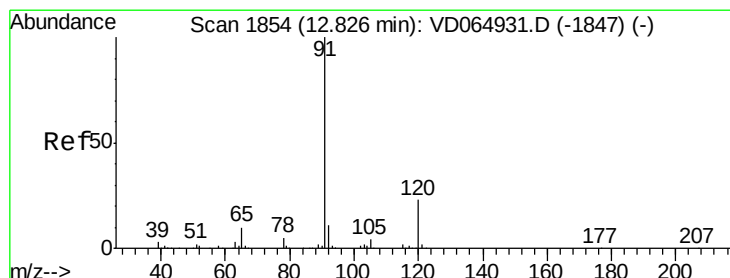
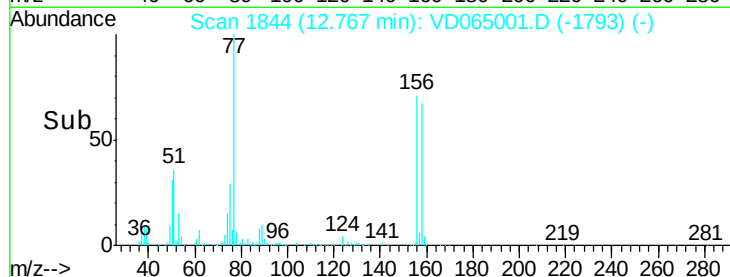
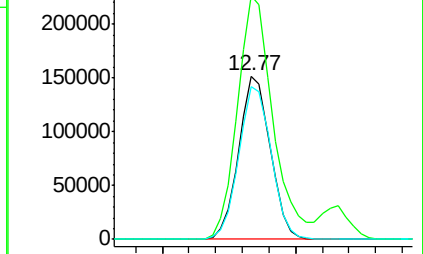
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.531 ug/l

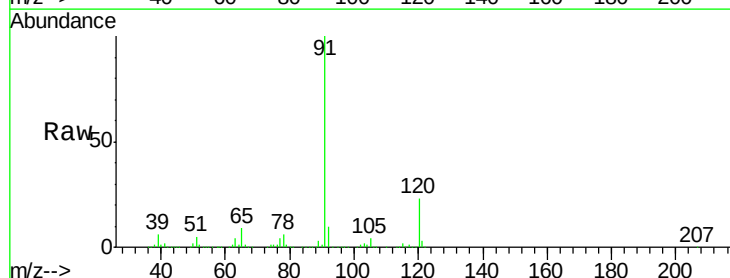
RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065001.D

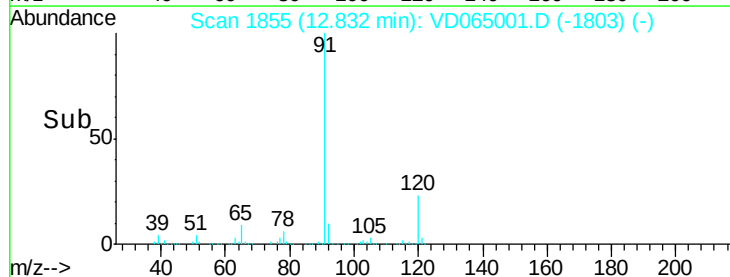
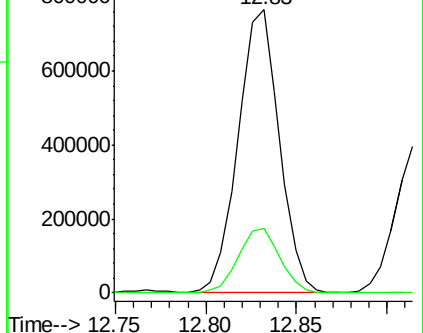
Acq: 29 Jan 2020 17:53

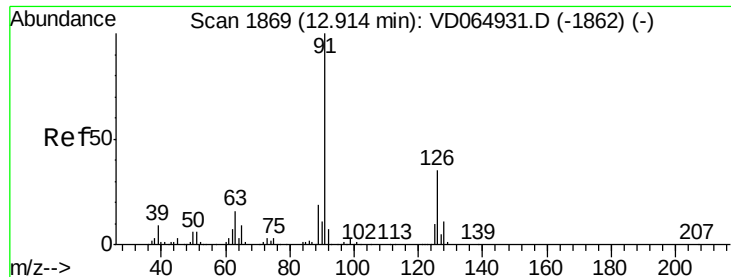
Tgt Ion:	91	Resp:	1206735
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.7	35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.238 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 658161

Ion Ratio Lower Upper

91 100

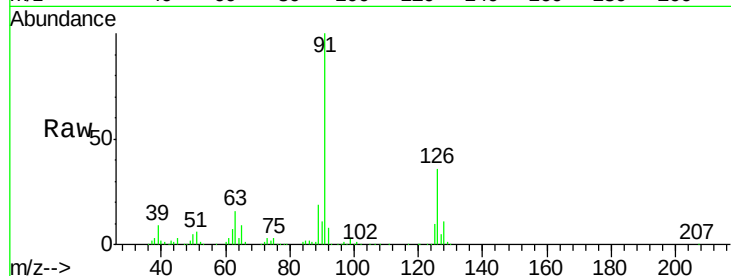
126 35.4 17.9 53.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD064931.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064931.D (-1862) (-)

800000

600000

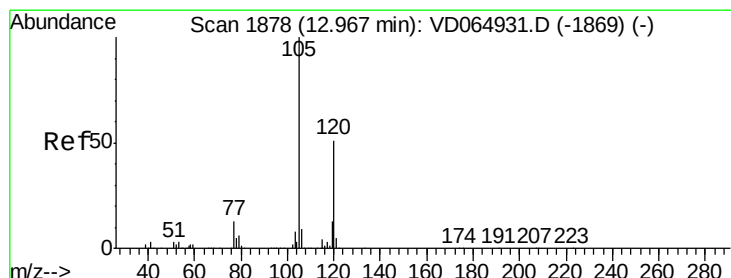
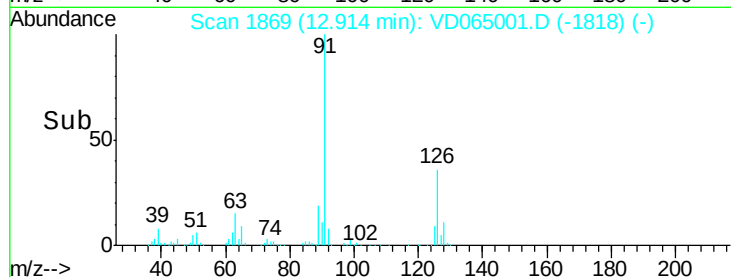
400000

200000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.933 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065001.D

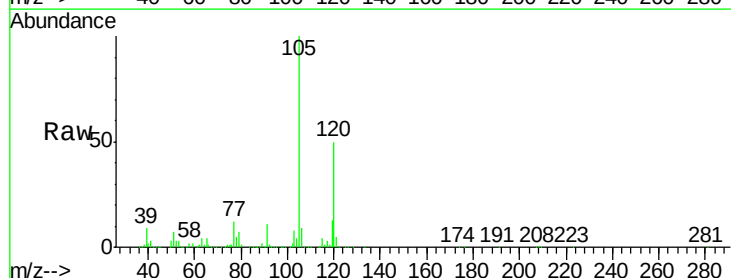
Acq: 29 Jan 2020 17:53

Tgt Ion: 105 Resp: 838162

Ion Ratio Lower Upper

105 100

120 50.3 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VD064931.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD064931.D (-1869) (-)

600000

500000

400000

300000

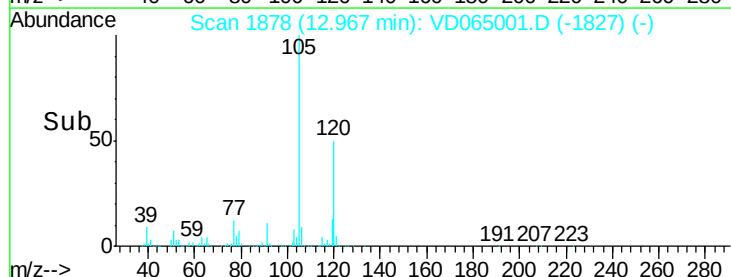
200000

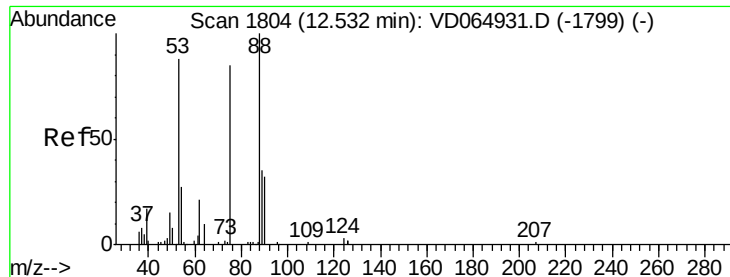
100000

0

12.90 13.00 13.10

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 48.816 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Instrument :

MSVOA_D

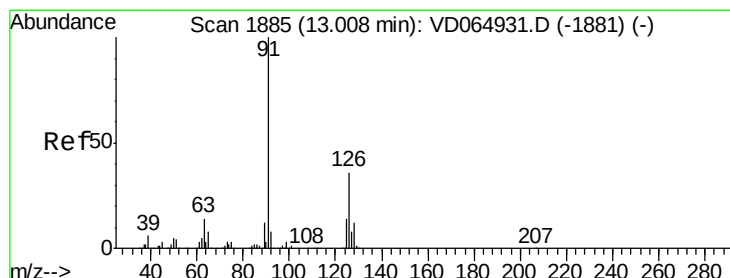
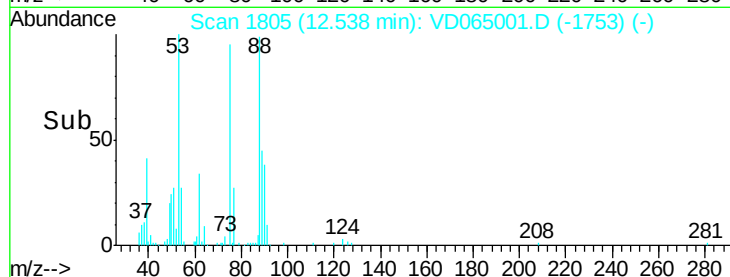
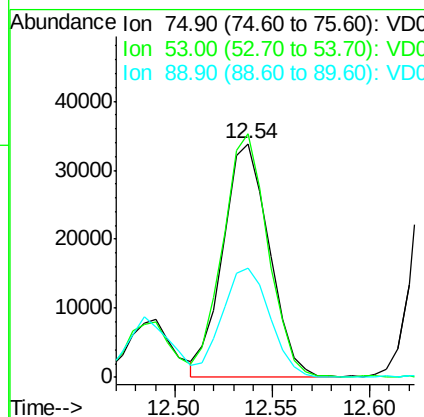
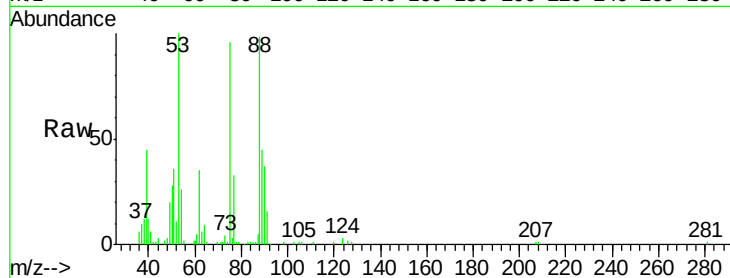
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	55751
Ion	Ratio	Lower	Upper
75	100		
53	101.6	81.0	121.4
89	48.6	36.2	54.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.840 ug/l

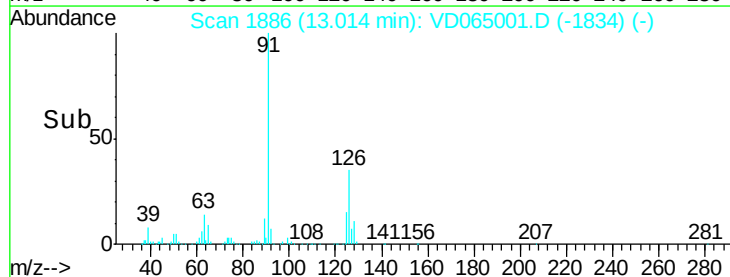
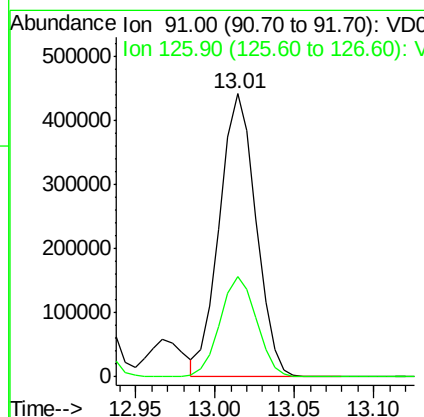
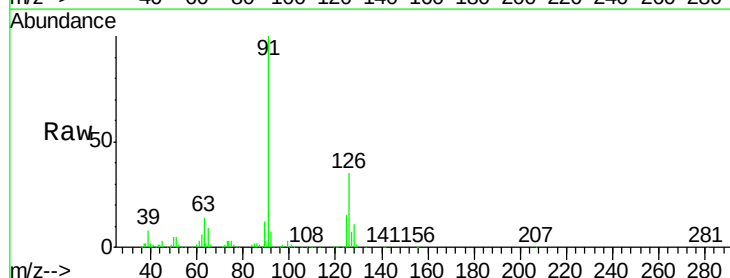
RT: 13.01 min Scan# 1886

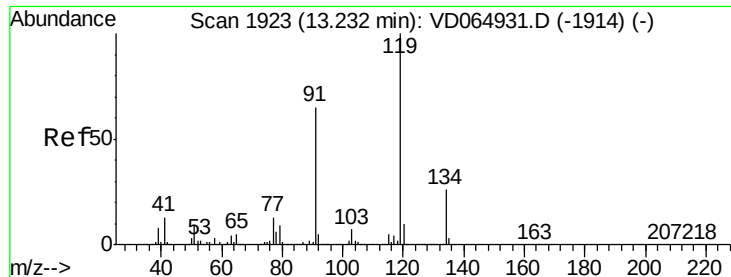
Delta R.T. 0.01 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Tgt Ion:	91	Resp:	706344
Ion	Ratio	Lower	Upper
91	100		
126	35.5	18.0	54.0





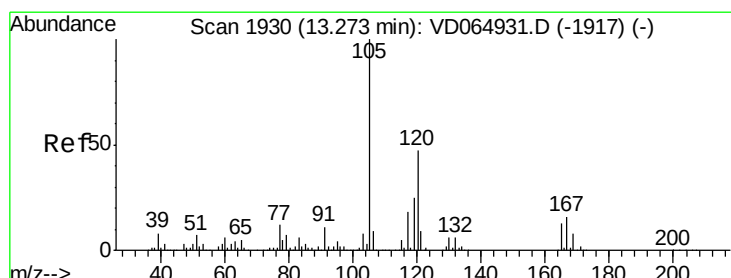
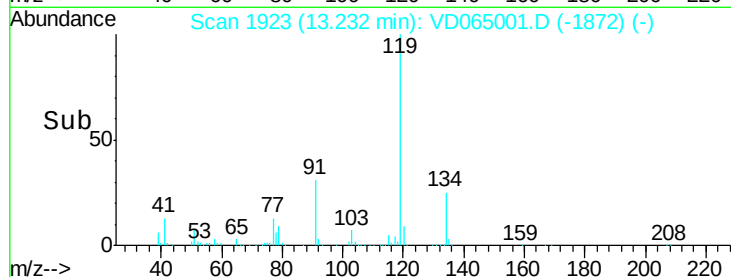
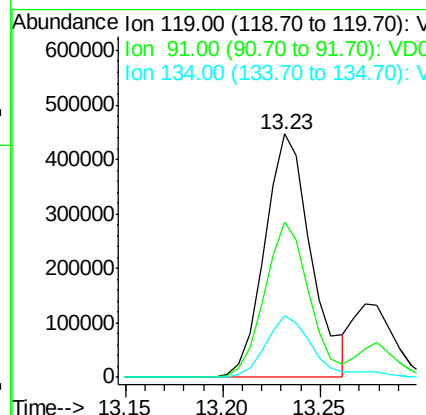
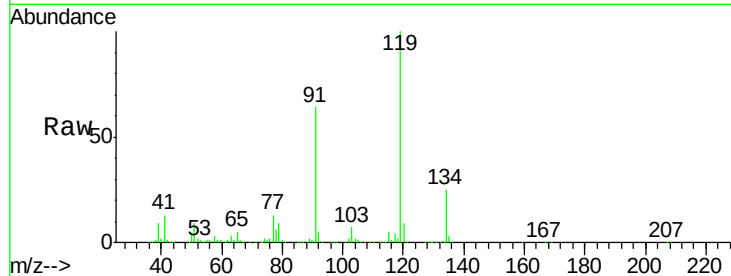
#83
tert-Butylbenzene
Concen: 52.526 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.3	32.0	96.0
134	26.2	13.9	41.6

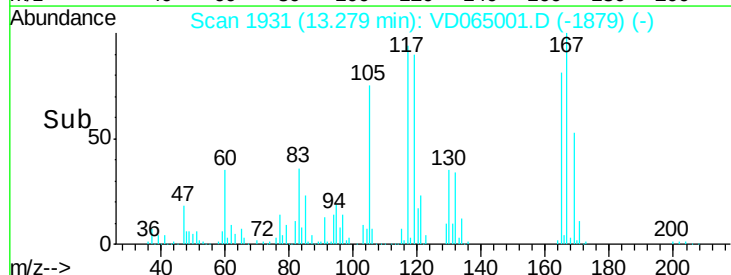
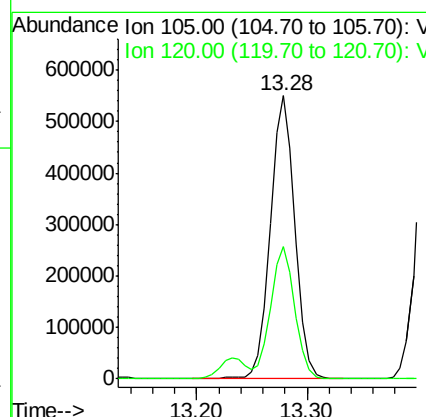
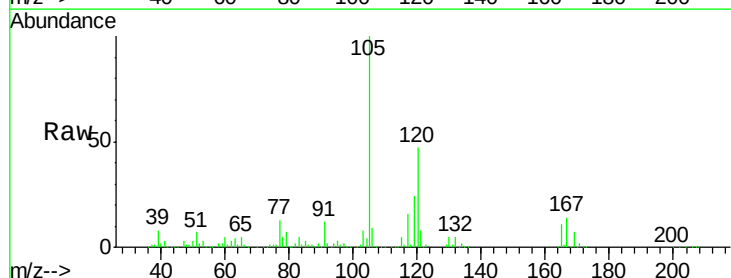
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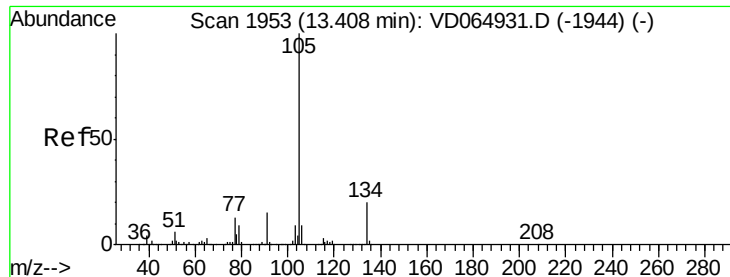
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#84
1,2,4-Trimethylbenzene
Concen: 51.209 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.1	69.3





#85

sec-Butylbenzene

Concen: 49.705 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 982847

Ion Ratio Lower Upper

105 100

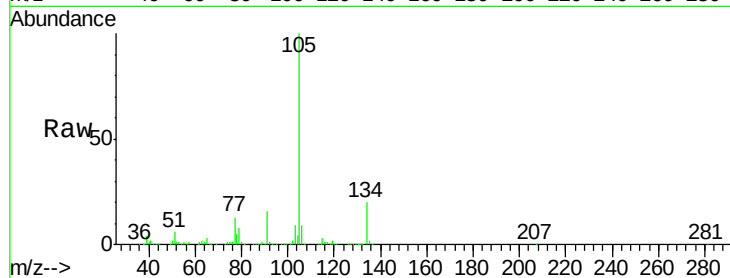
134 20.7 10.4 31.4

Manual Integrations

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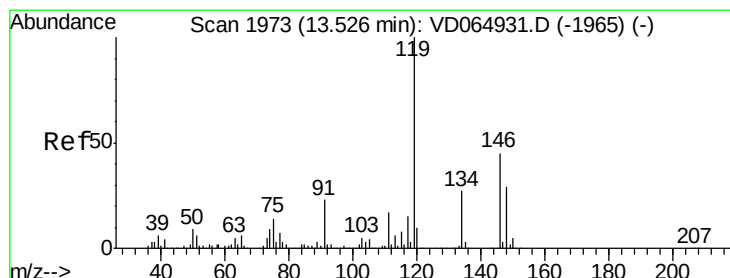
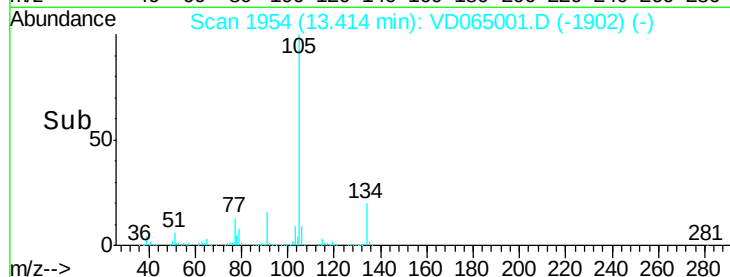
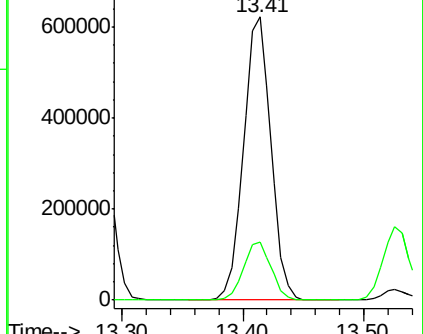
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.064 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

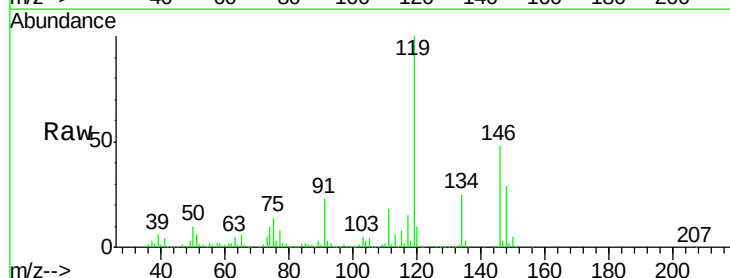
Tgt Ion:119 Resp: 944849

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.9

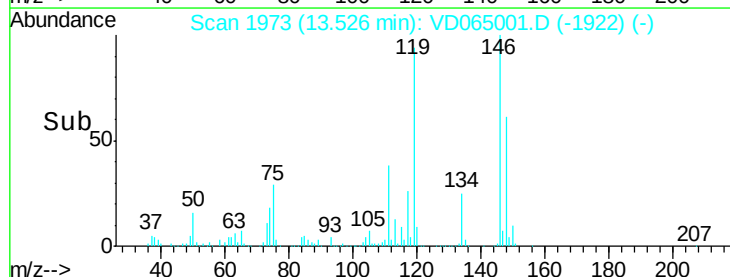
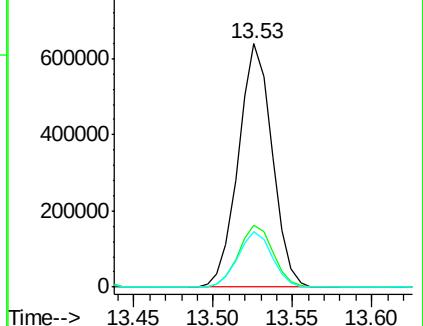
91 22.8 11.4 34.2

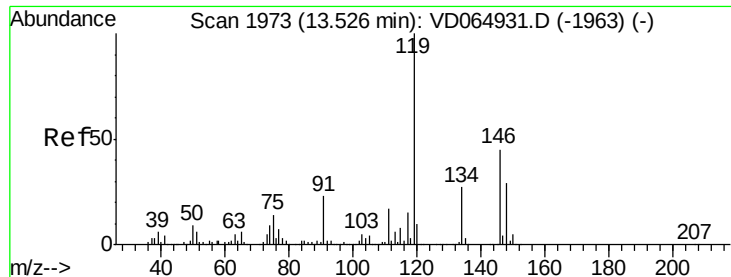


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.733 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Instrument :

MSVOA_D

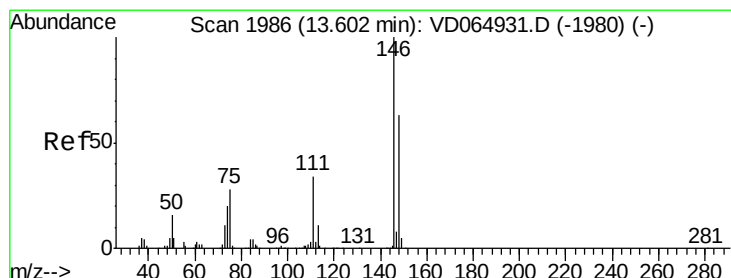
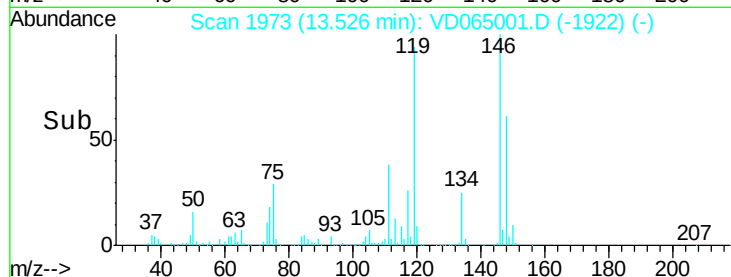
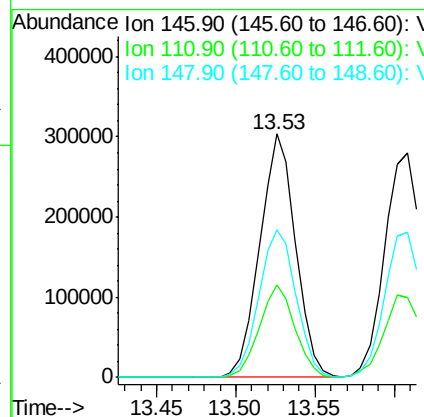
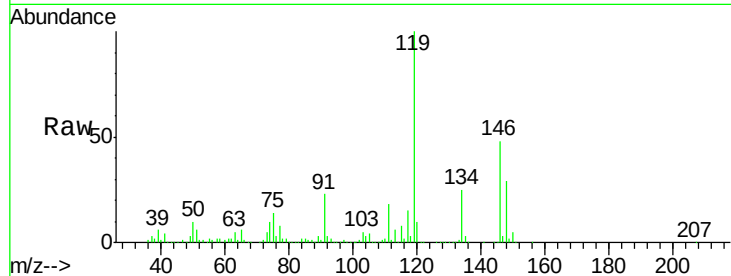
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	478267
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.9	56.9
148	62.8	32.6	97.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.273 ug/l

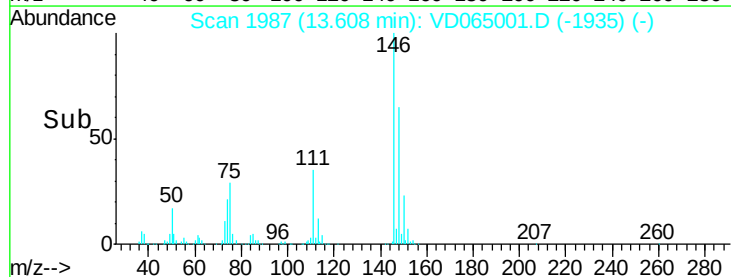
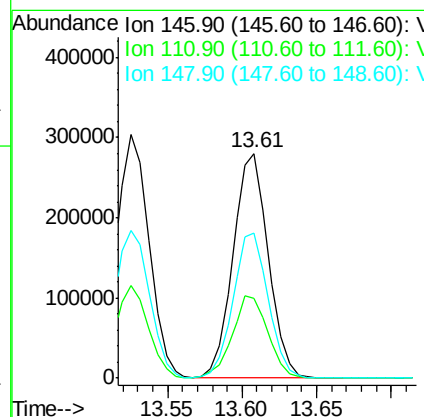
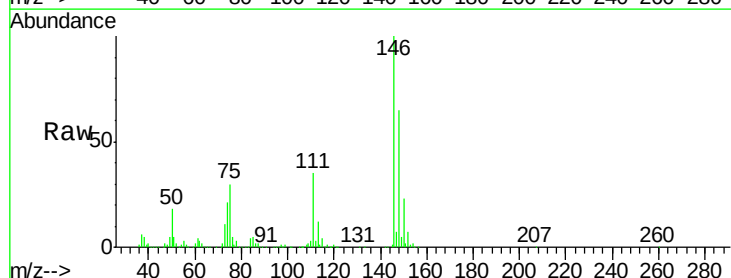
RT: 13.61 min Scan# 1987

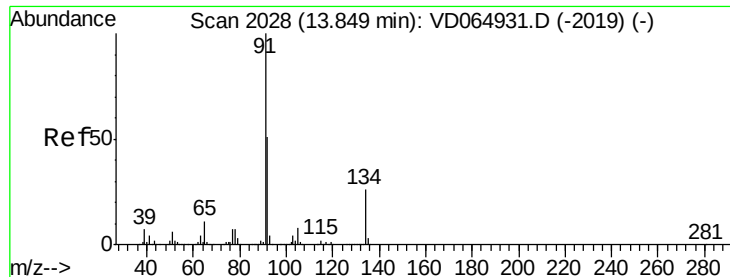
Delta R.T. 0.01 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Tgt Ion:	146	Resp:	461026
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.2	54.6
148	64.5	32.0	96.0





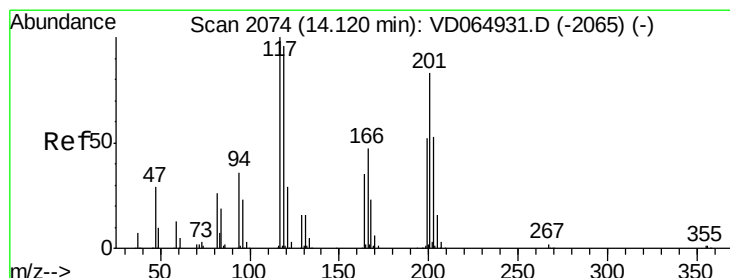
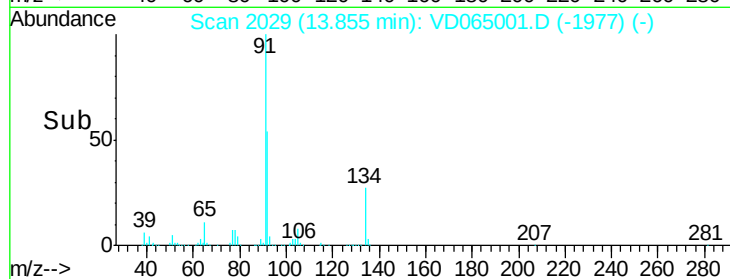
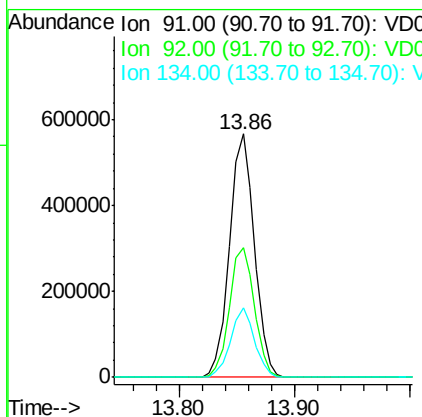
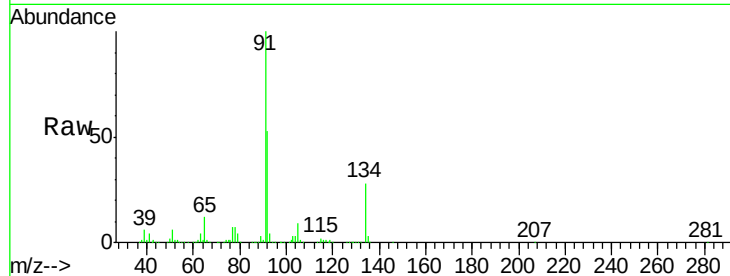
#89
n-Butylbenzene
Concen: 49.908 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.4	79.0
134	27.3	13.3	39.9

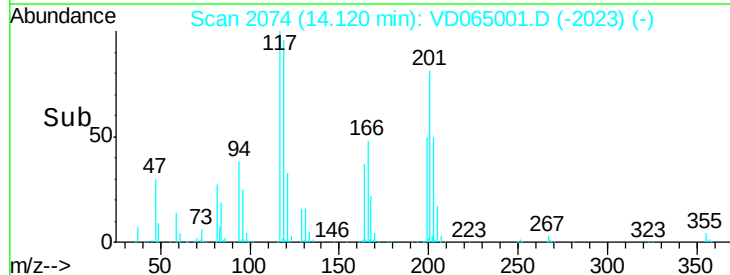
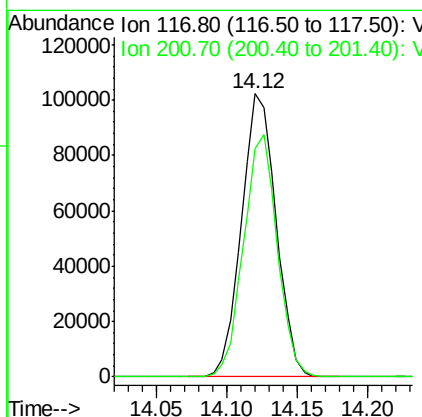
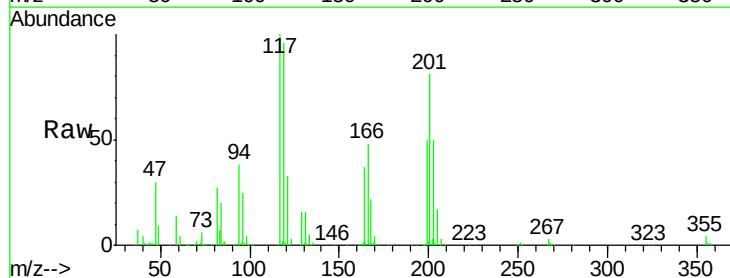
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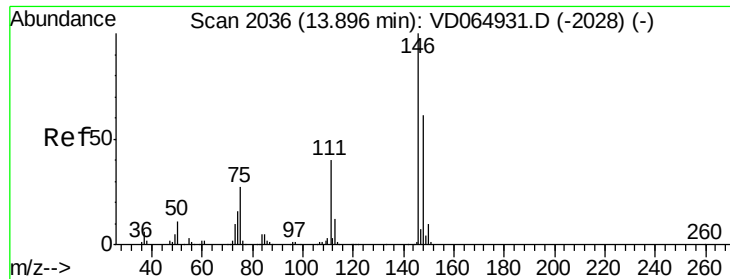
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#90
Hexachloroethane
Concen: 49.385 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065001.D
Acq: 29 Jan 2020 17:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.2	41.1	123.3





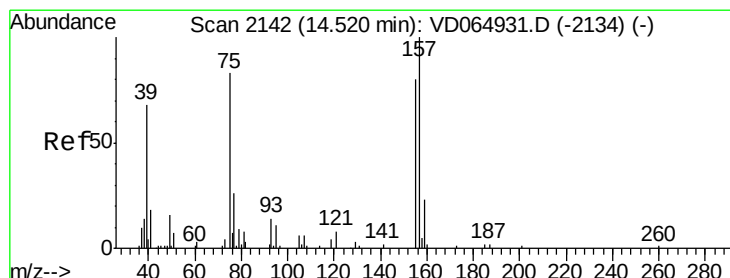
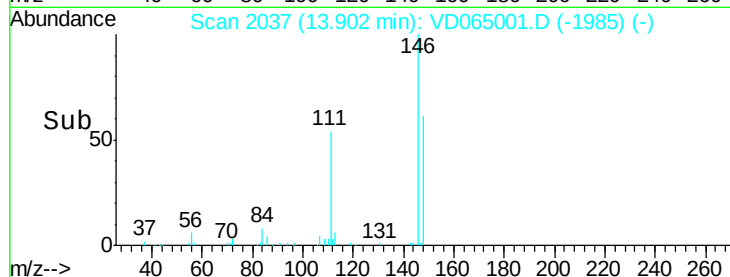
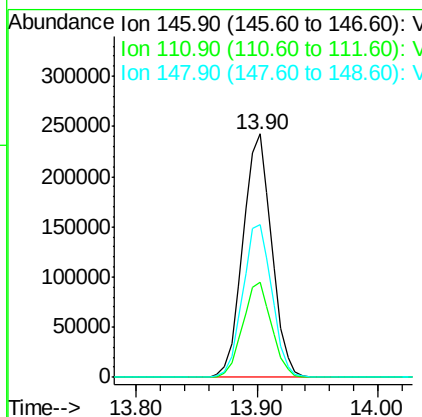
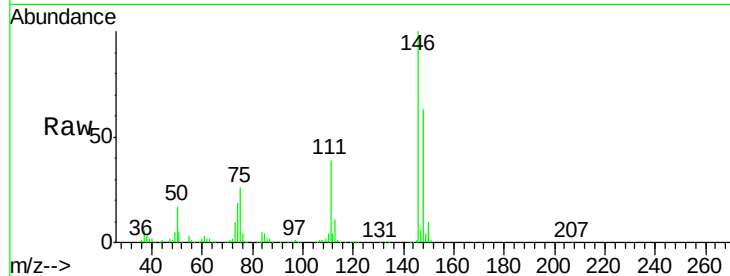
#91
 1,2-Dichlorobenzene
 Concen: 50.368 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD065001.D
 Acq: 29 Jan 2020 17:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.2
148	63.9	31.6	95.0

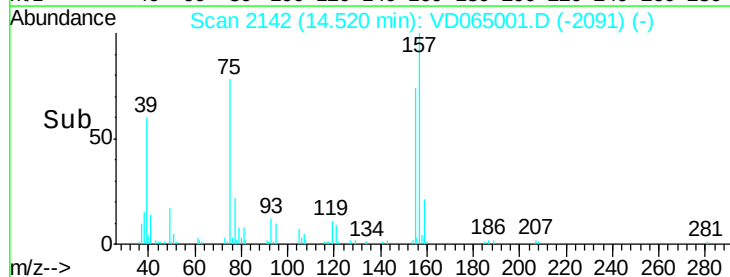
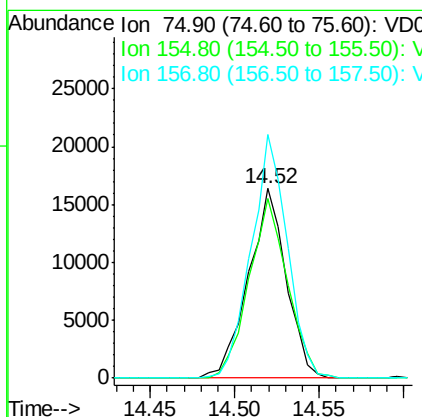
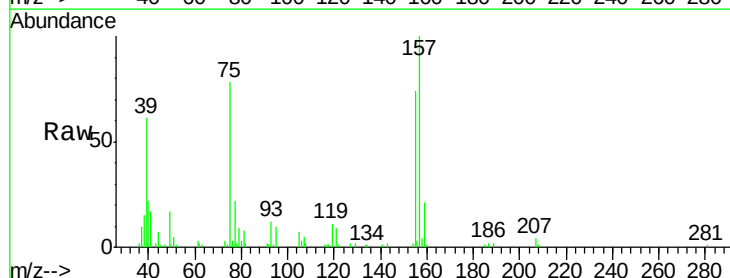
Manual Integrations
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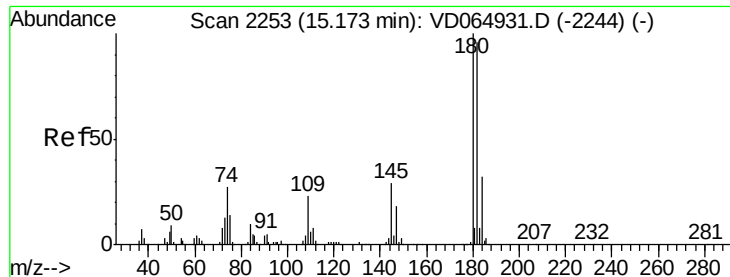
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.129 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065001.D
 Acq: 29 Jan 2020 17:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.5	44.9	134.7
157	123.4	58.9	176.6





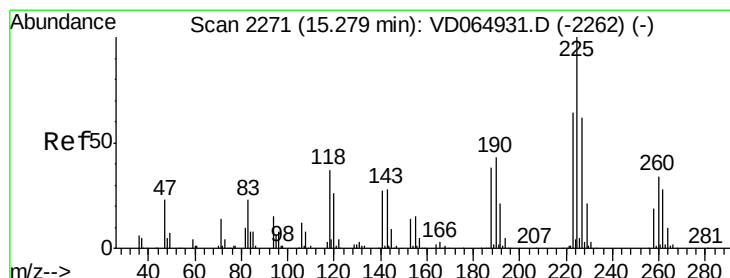
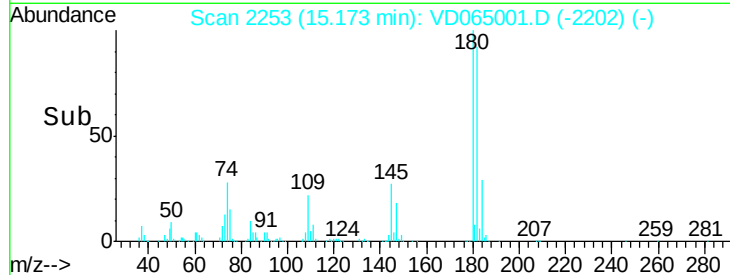
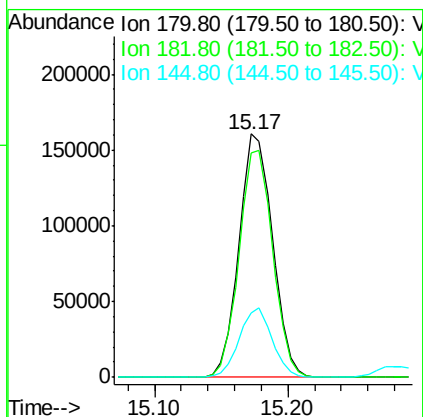
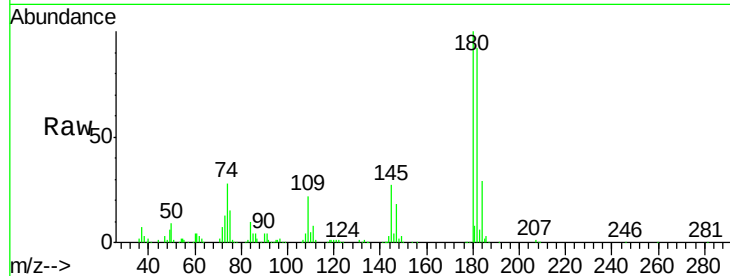
#93
 1,2,4-Trichlorobenzene
 Concen: 50.502 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065001.D
 Acq: 29 Jan 2020 17:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	279624		
182	93.5	47.1	141.4	
145	27.9	14.1	42.3	

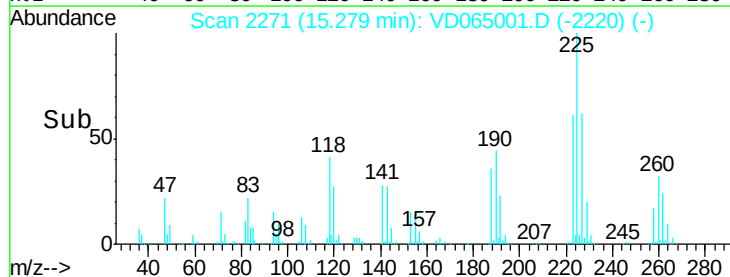
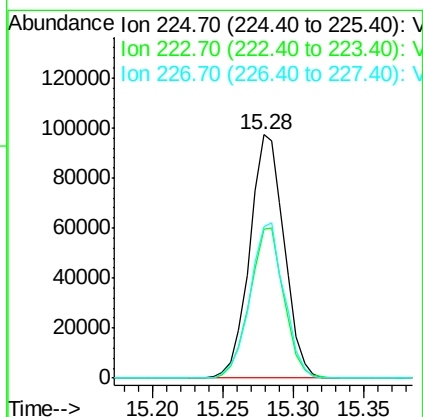
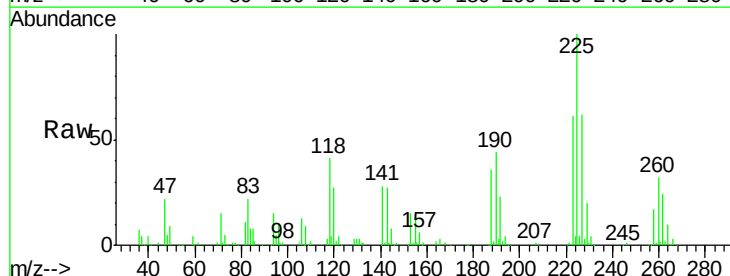
Manual Integrations
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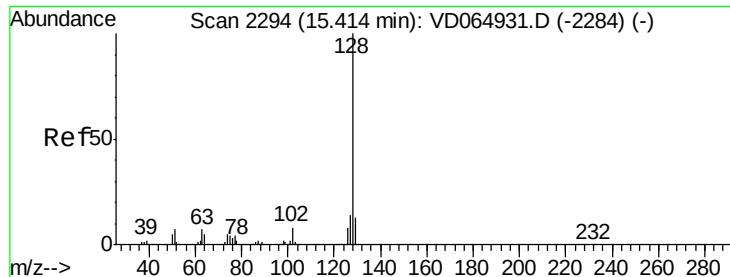
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 1/30/2020 10:27:16 AM



#94
 Hexachlorobutadiene
 Concen: 47.541 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065001.D
 Acq: 29 Jan 2020 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	166497		
223	61.4	32.4	97.2	
227	63.4	31.9	95.9	





#95

Naphthalene

Concen: 52.430 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Instrument :

MSVOA_D

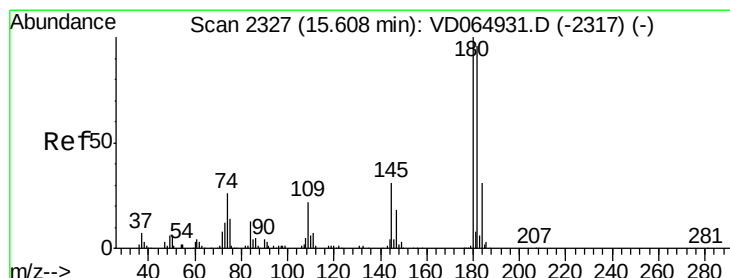
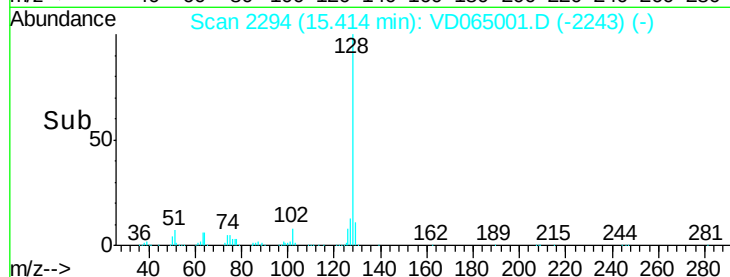
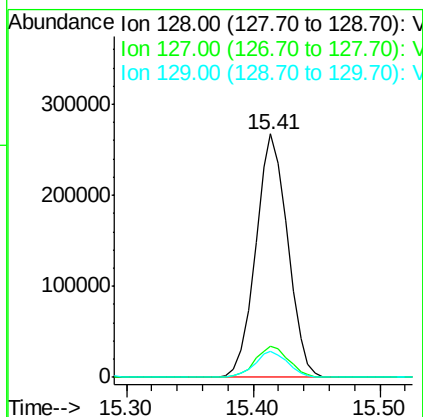
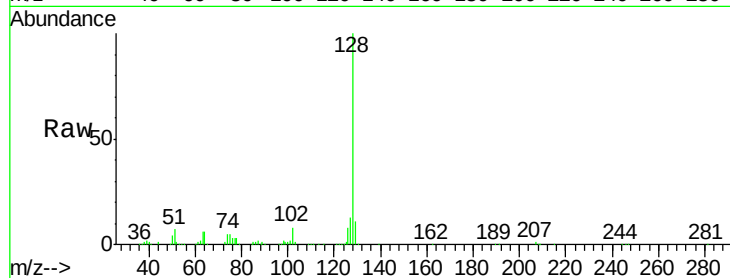
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	468507
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	15.8
129	11.0	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
1/30/2020 10:27:16 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.750 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065001.D

Acq: 29 Jan 2020 17:53

Tgt Ion:	180	Resp:	243636
Ion Ratio	Lower	Upper	
180	100		
182	93.8	47.3	141.8
145	30.0	14.6	43.8

