

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013020\
 Data File : VD065022.D
 Acq On : 30 Jan 2020 19:32
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/31/2020 4:25:46 PM

Quant Time: Jan 31 02:52:04 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	422152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	631541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	581835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	293140	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	209169	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
35) Dibromofluoromethane	7.92	113	204220	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
50) Toluene-d8	10.34	98	765358	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	12.64	95	246926	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	155235	48.811	ug/l	97
3) Chloromethane	2.21	50	227332	48.772	ug/l	96
4) Vinyl Chloride	2.35	62	256023	47.823	ug/l	99
5) Bromomethane	2.77	94	172787	47.981	ug/l	100
6) Chloroethane	2.93	64	172792	48.958	ug/l	99
7) Trichlorofluoromethane	3.27	101	392286	47.446	ug/l	93
8) Diethyl Ether	3.71	74	96960	51.948	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	189896	49.367	ug/l	98
10) Methyl Iodide	4.30	142	214425	52.516	ug/l	99
11) Tert butyl alcohol	5.24	59	57270	255.933	ug/l	97
12) 1,1-Dichloroethene	4.06	96	180399	49.092	ug/l	96
13) Acrolein	3.92	56	72077	256.941	ug/l	97
14) Allyl chloride	4.71	41	302774	51.660	ug/l	99
15) Acrylonitrile	5.43	53	224149	277.323	ug/l	98
16) Acetone	4.17	43	251587	264.931	ug/l	100
17) Carbon Disulfide	4.40	76	586642	48.507	ug/l	100
18) Methyl Acetate	4.72	43	104502	55.103	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	451554	54.995	ug/l	96
20) Methylene Chloride	4.97	84	221677	57.220	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	218265	51.554	ug/l	99
22) Diisopropyl ether	6.37	45	652044	55.824	ug/l	98
23) Vinyl Acetate	6.31	43	1812000	264.966	ug/l	99
24) 1,1-Dichloroethane	6.27	63	381073	53.137	ug/l	98
25) 2-Butanone	7.22	43	311179	284.444	ug/l	98
26) 2,2-Dichloropropane	7.21	77	323098	49.670	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	242702	53.709	ug/l	99
28) Bromochloromethane	7.55	49	174895	60.980	ug/l	98
29) Tetrahydrofuran	7.57	42	184913	273.948	ug/l	99
30) Chloroform	7.71	83	398185	53.712	ug/l	97
31) Cyclohexane	7.98	56	329134	46.653	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	351628	50.986	ug/l	100
36) 1,1-Dichloropropene	8.11	75	302908	49.740	ug/l	100
37) Ethyl Acetate	7.30	43	131966	52.462	ug/l	99
38) Carbon Tetrachloride	8.10	117	316950	49.241	ug/l	98

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Manual Integrations
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	340585	47.837	ug/l	96
40) Benzene	8.36	78	867556	51.726	ug/l	99
41) Methacrylonitrile	7.53	41	70836	52.275	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	263524	52.745	ug/l	99
43) Isopropyl Acetate	8.46	43	253418	53.036	ug/l	99
44) Trichloroethene	9.11	130	236131	50.304	ug/l	100
45) 1,2-Dichloropropane	9.40	63	215179	52.922	ug/l	100
46) Dibromomethane	9.48	93	117487	52.926	ug/l	98
47) Bromodichloromethane	9.67	83	314102	54.378	ug/l	100
48) Methyl methacrylate	9.46	41	117304	53.348	ug/l	93
49) 1,4-Dioxane	9.47	88	25267	981.415	ug/l #	83
51) 4-Methyl-2-Pentanone	10.24	43	659479	275.836	ug/l	100
52) Toluene	10.41	92	556770	51.488	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	295396	53.687	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	351066	54.496	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	159424	53.316	ug/l	98
56) Ethyl methacrylate	10.67	69	202791	56.714	ug/l	99
57) 1,3-Dichloropropane	10.96	76	279422	54.483	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	318538	268.146	ug/l	99
59) 2-Hexanone	10.99	43	484306	293.674	ug/l	98
60) Dibromochloromethane	11.14	129	215824	54.003	ug/l	99
61) 1,2-Dibromoethane	11.25	107	154086	53.517	ug/l	98
64) Tetrachloroethene	10.88	164	239359	56.929	ug/l	97
65) Chlorobenzene	11.68	112	594727	50.343	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	228247	51.374	ug/l	99
67) Ethyl Benzene	11.75	91	1077982	51.399	ug/l	98
68) m/p-Xylenes	11.86	106	834801	103.381	ug/l	100
69) o-Xylene	12.18	106	370272	51.666	ug/l	100
70) Styrene	12.20	104	671176	52.574	ug/l	98
71) Bromoform	12.37	173	125838	50.953	ug/l #	99
73) Isopropylbenzene	12.48	105	995691	49.695	ug/l	99
74) N-amyl acetate	12.30	43	231788	51.699	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	170491	50.629	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	122163m	50.209	ug/l	
77) Bromobenzene	12.77	156	248491	50.689	ug/l	98
78) n-propylbenzene	12.83	91	1188674	49.887	ug/l	100
79) 2-Chlorotoluene	12.91	91	652483	49.917	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	841254	51.236	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	55511	48.715	ug/l	95
82) 4-Chlorotoluene	13.01	91	699225	50.441	ug/l	99
83) tert-Butylbenzene	13.23	119	711296	51.048	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	840115	50.509	ug/l	100
85) sec-Butylbenzene	13.41	105	966325	48.980	ug/l	99
86) p-Isopropyltoluene	13.53	119	928434	50.290	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	468166	49.773	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	468092	50.141	ug/l	100
89) n-Butylbenzene	13.86	91	838813	49.787	ug/l	99
90) Hexachloroethane	14.13	117	176734	49.642	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	403319	50.507	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26802	49.735	ug/l	99

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ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	276963	50.135	ug/l	100
94) Hexachlorobutadiene	15.28	225	163514	46.794	ug/l	97
95) Naphthalene	15.41	128	473842	53.147	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	245114	51.173	ug/l	98

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

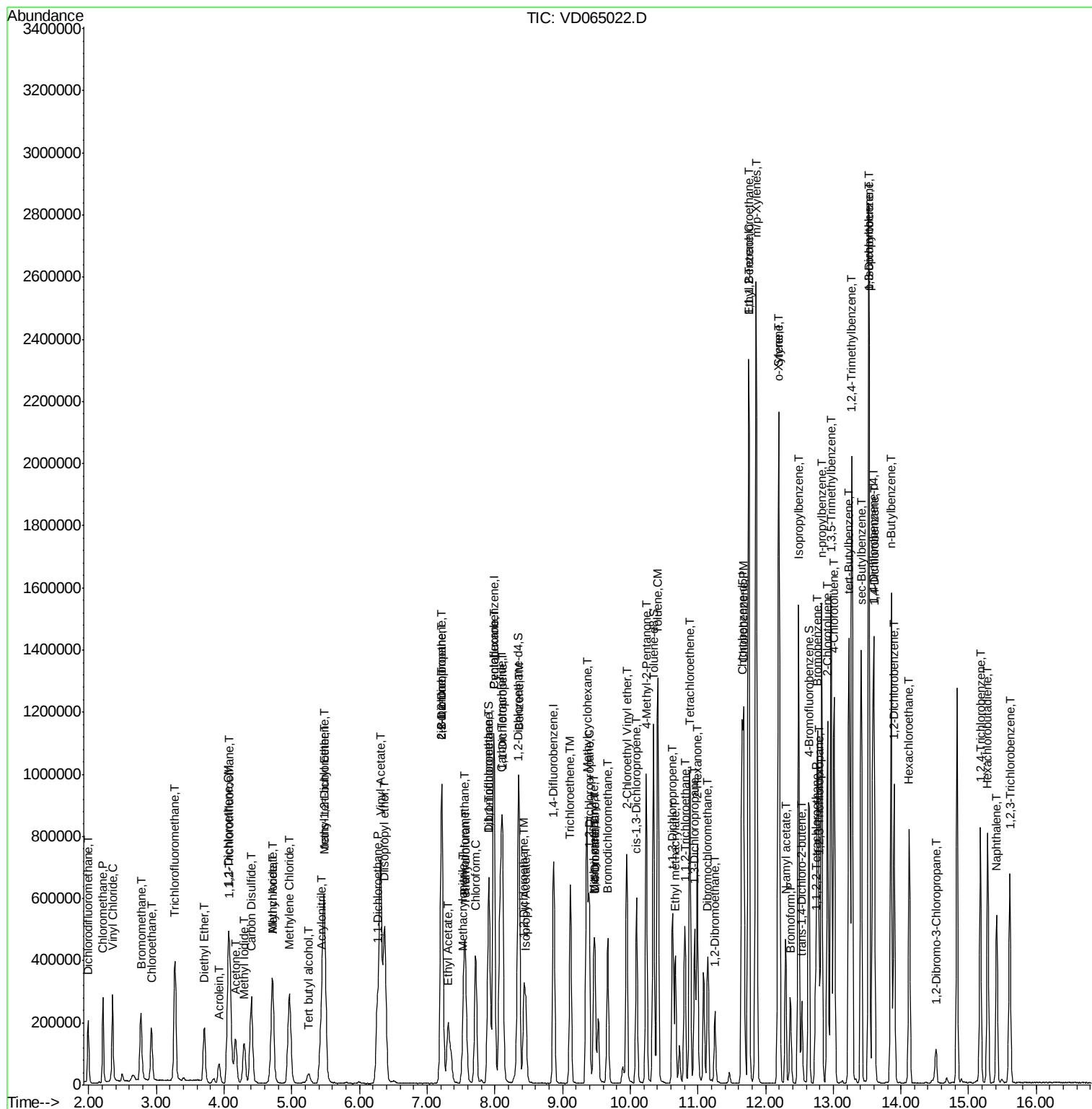
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Data File : VD065022.D
Acq On : 30 Jan 2020 19:32
Operator : VA/SY
Sample : VSTDCCC050
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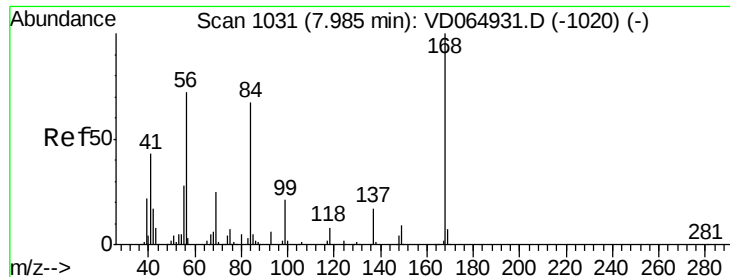
Instrument :
MSVOA_D
ClientSampleId :
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Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 422152

Ion Ratio Lower Upper

168 100

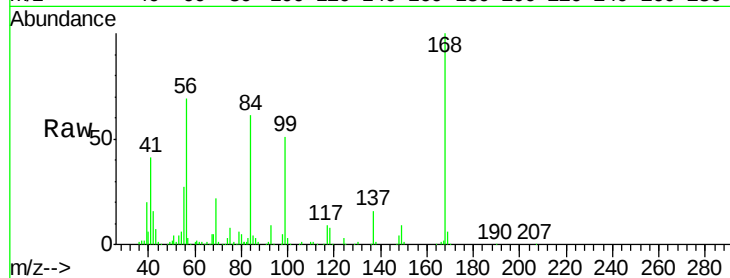
99 50.8 43.3 64.9

Manual Integrations

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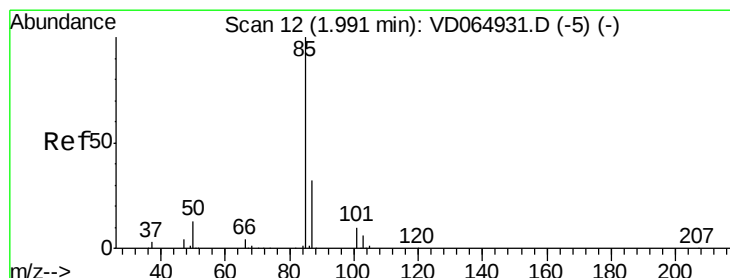
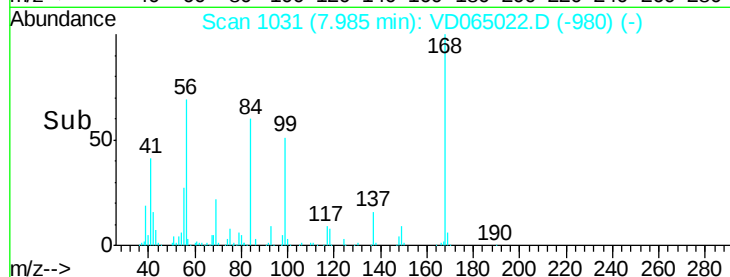
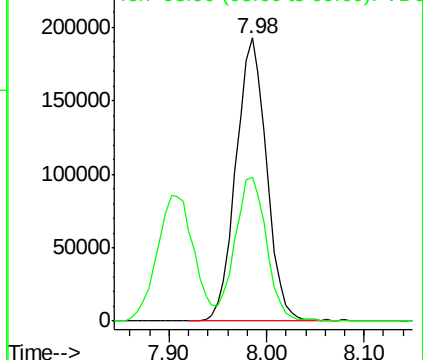
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 48.811 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065022.D

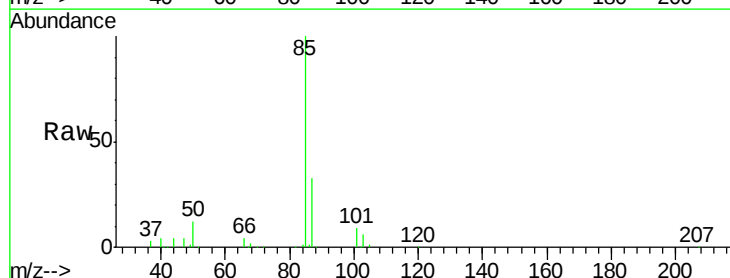
Acq: 30 Jan 2020 19:32

Tgt Ion: 85 Resp: 155235

Ion Ratio Lower Upper

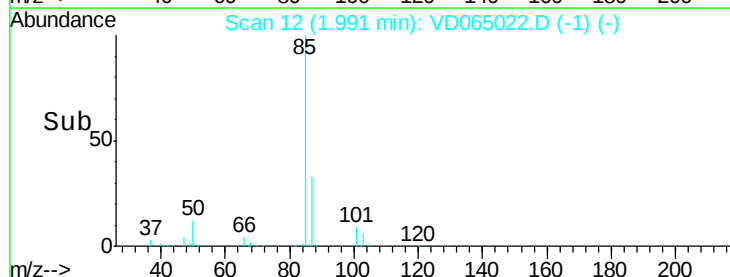
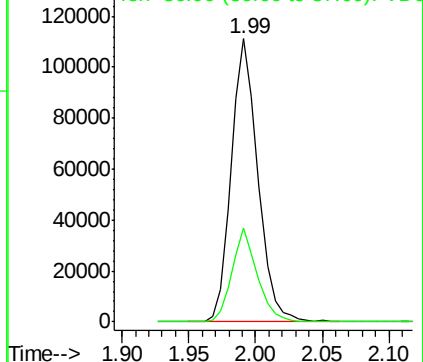
85 100

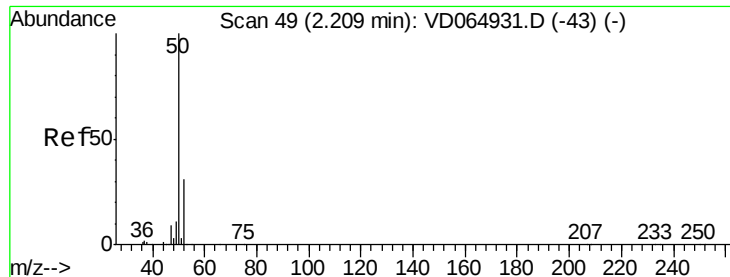
87 33.4 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.772 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 227332

Ion Ratio Lower Upper

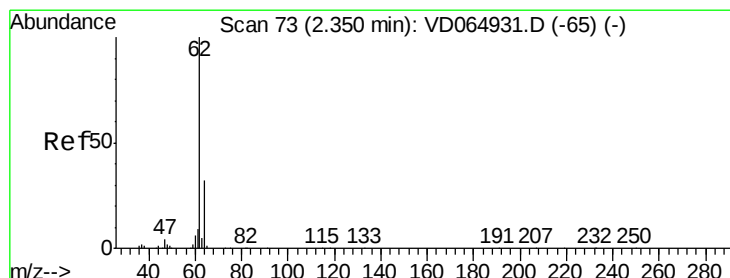
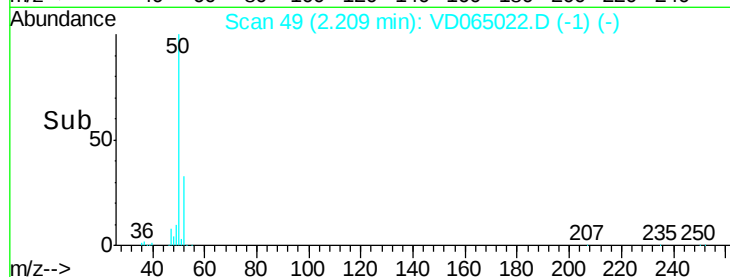
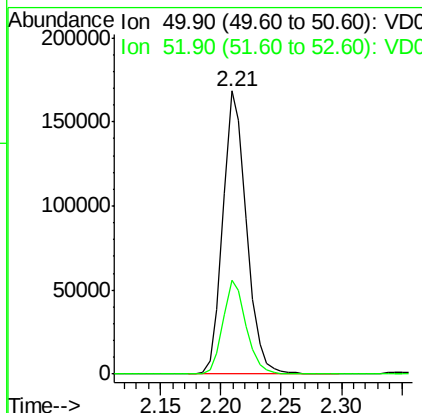
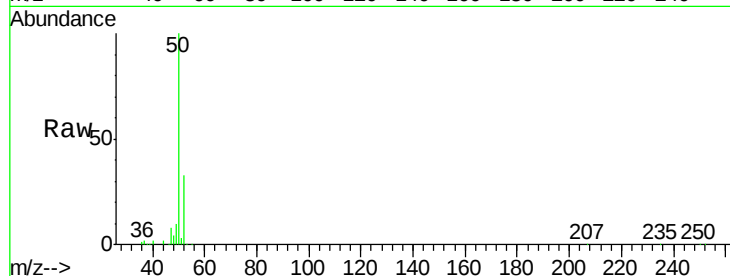
50 100

52 33.1 24.6 36.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 47.823 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065022.D

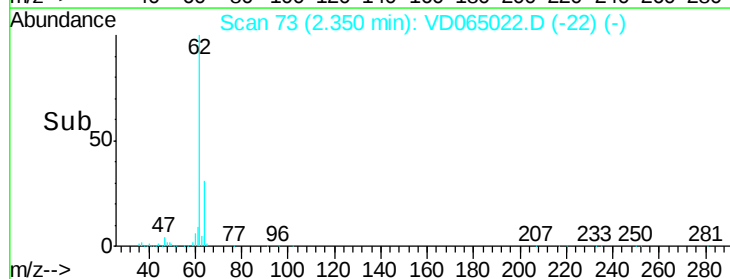
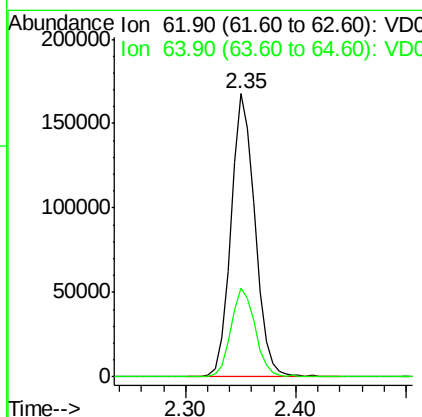
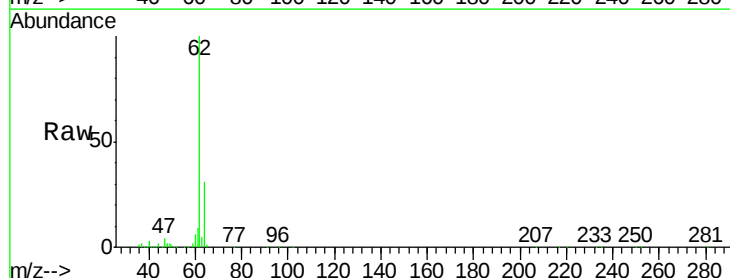
Acq: 30 Jan 2020 19:32

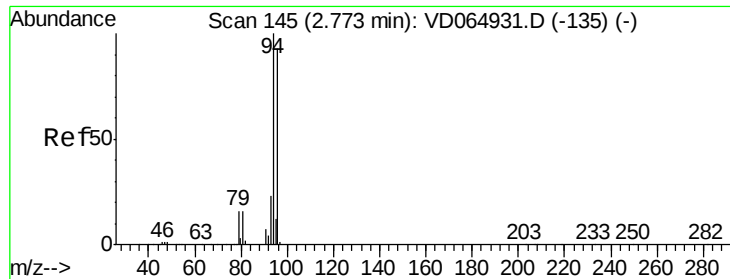
Tgt Ion: 62 Resp: 256023

Ion Ratio Lower Upper

62 100

64 31.2 25.6 38.4





#5

Bromomethane

Concen: 47.981 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 172787

Ion Ratio Lower Upper

94 100

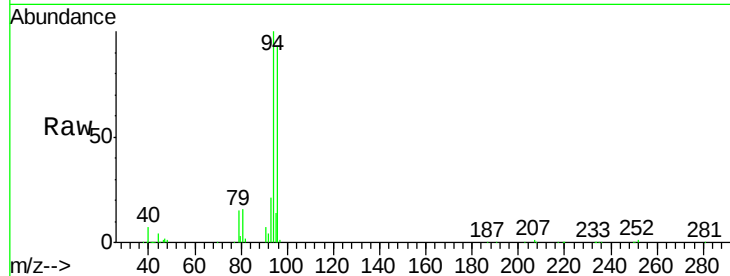
96 93.2 74.6 111.8

Manual Integrations

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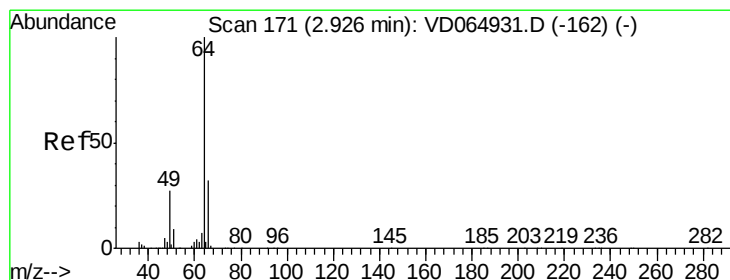
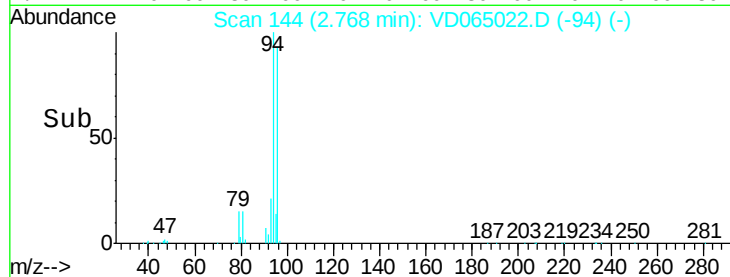
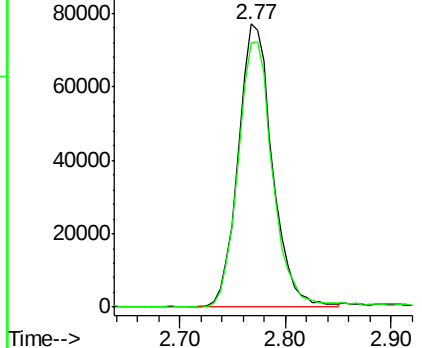
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.958 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065022.D

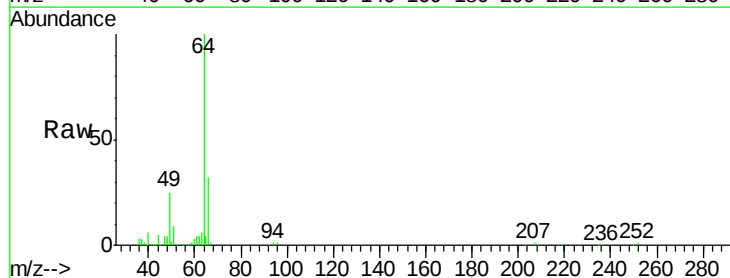
Acq: 30 Jan 2020 19:32

Tgt Ion: 64 Resp: 172792

Ion Ratio Lower Upper

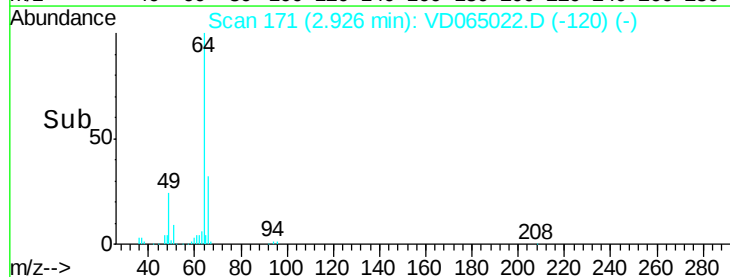
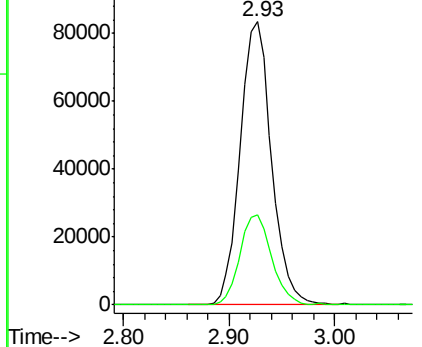
64 100

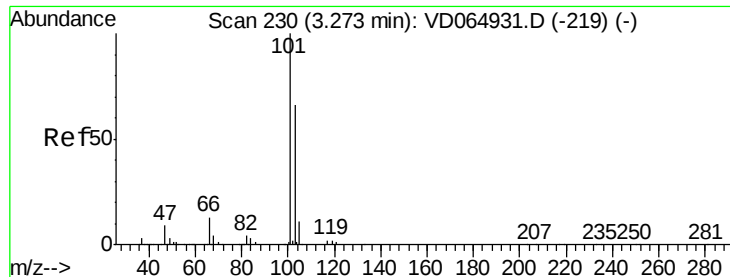
66 31.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

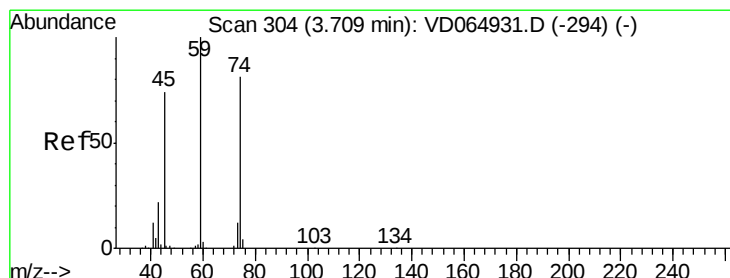
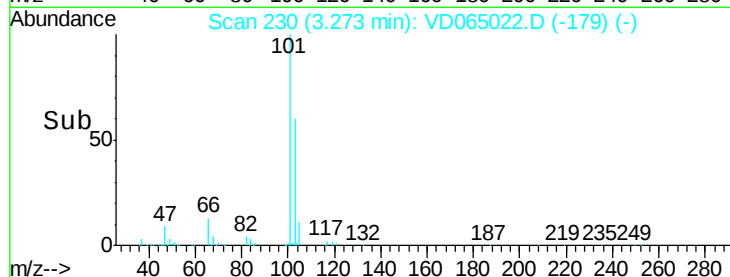
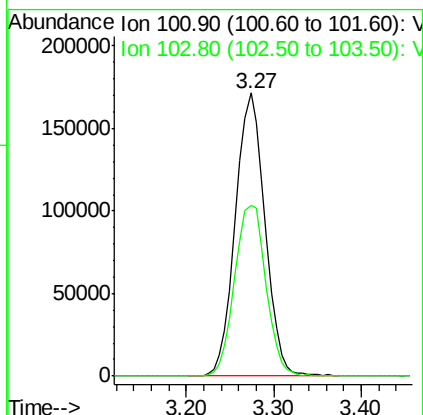
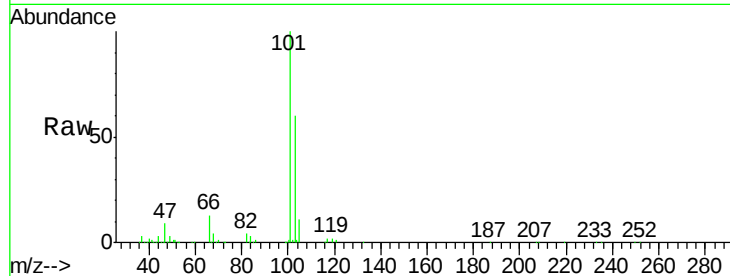
Trichlorofluoromethane
Concen: 47.446 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.4	52.5	78.7

Manual Integrations
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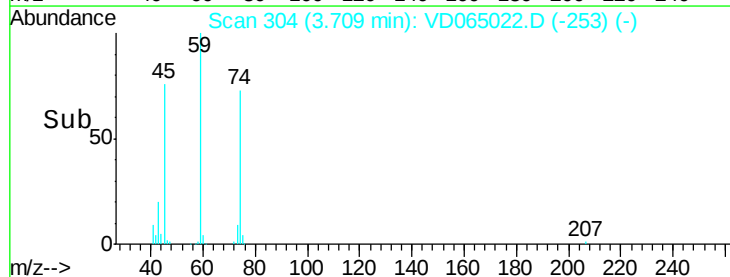
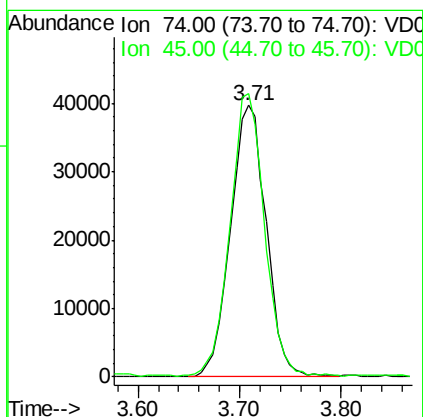
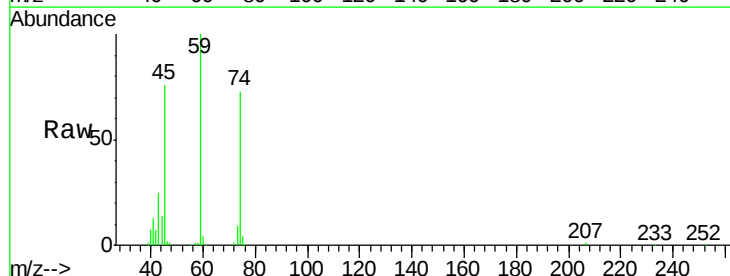
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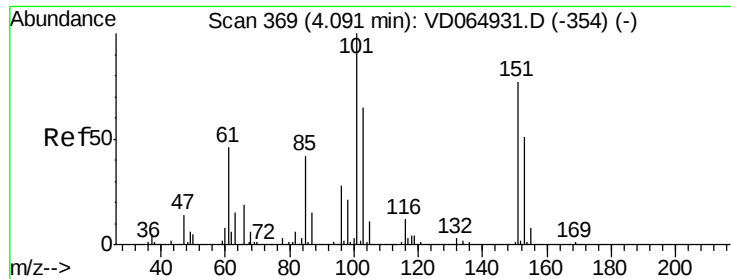


#8

Diethyl Ether
Concen: 51.948 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.8	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.367 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Instrument :

MSVOA_D

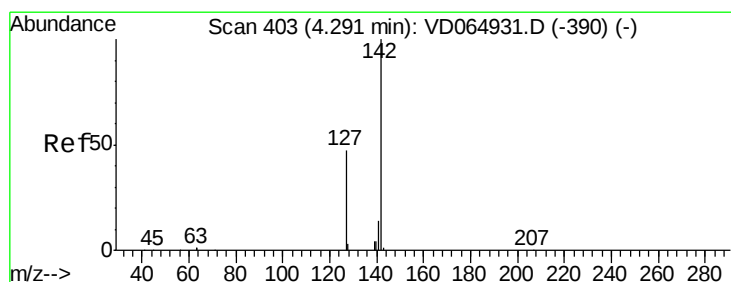
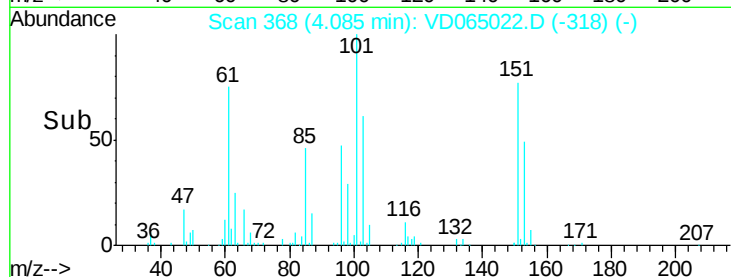
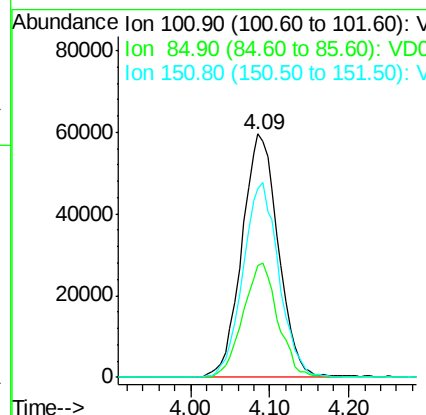
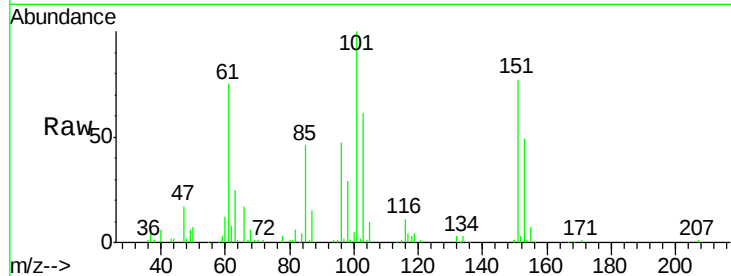
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	189896
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.0	52.4
151	78.9	64.6	96.8

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#10

Methyl Iodide

Concen: 52.516 ug/l

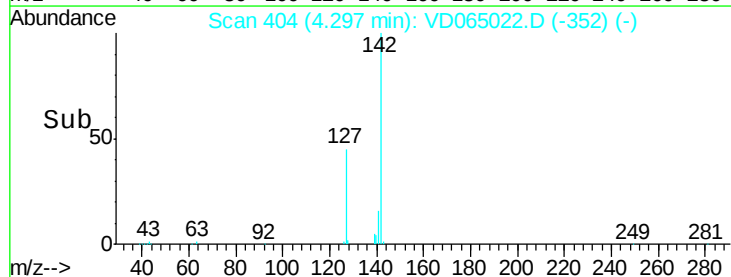
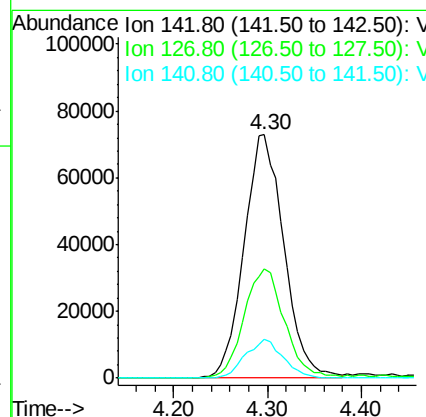
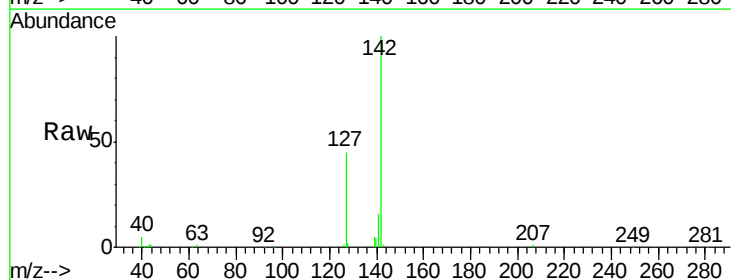
RT: 4.30 min Scan# 404

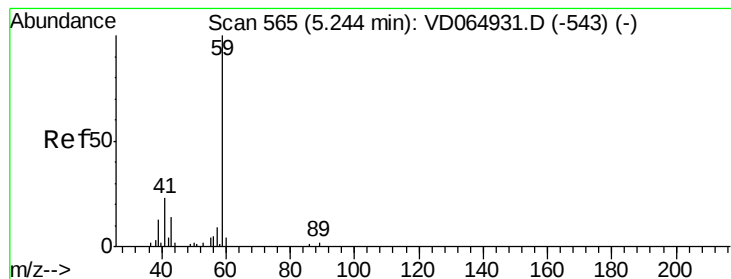
Delta R.T. 0.01 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Tgt Ion:	142	Resp:	214425
Ion Ratio	Lower	Upper	
142	100		
127	45.8	36.2	54.2
141	15.2	11.6	17.4





#11

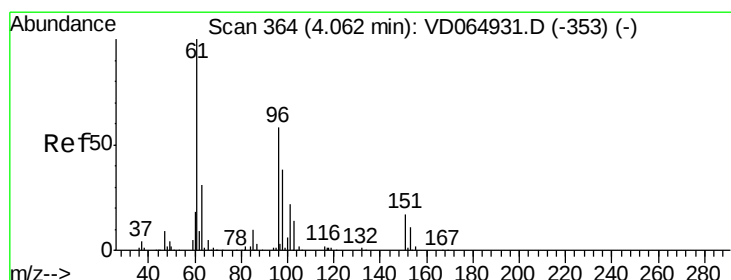
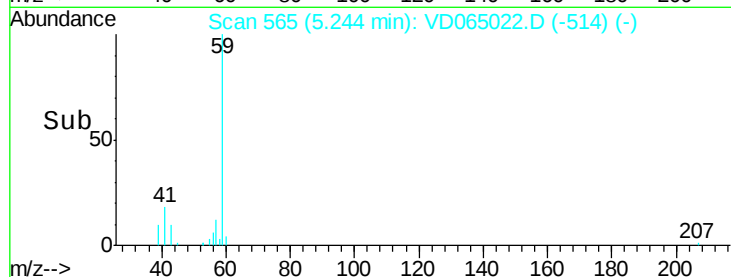
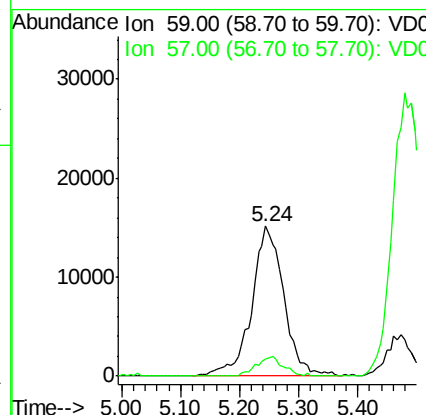
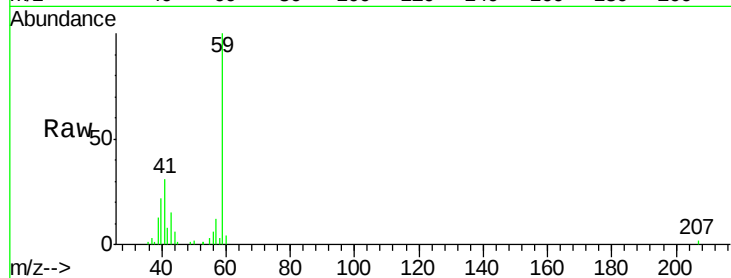
Tert butyl alcohol
Concen: 255.933 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.8	7.7	11.5

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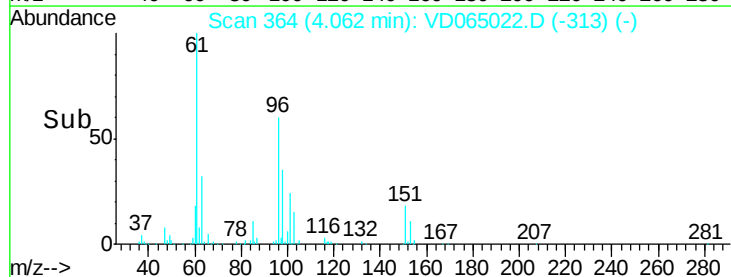
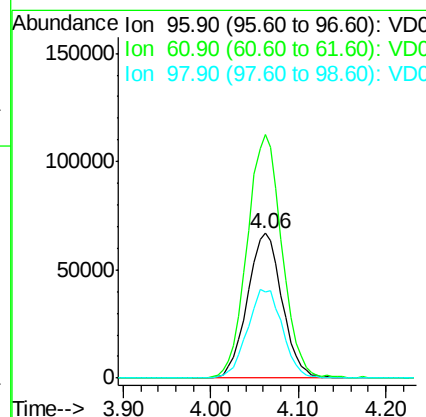
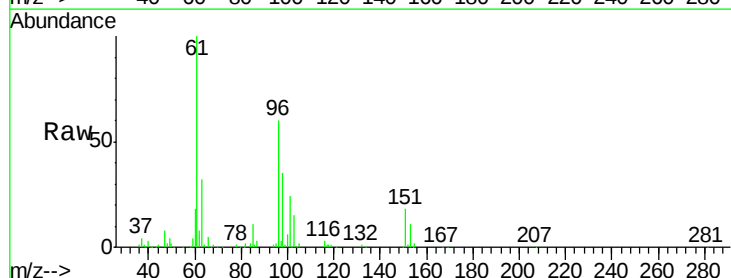
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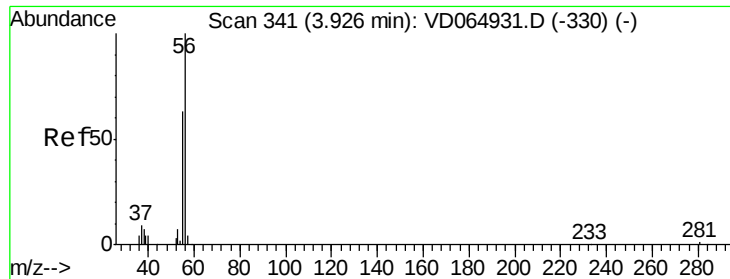


#12

1,1-Dichloroethene
Concen: 49.092 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	168.0	137.0	205.4
98	98	59.4	52.1	78.1





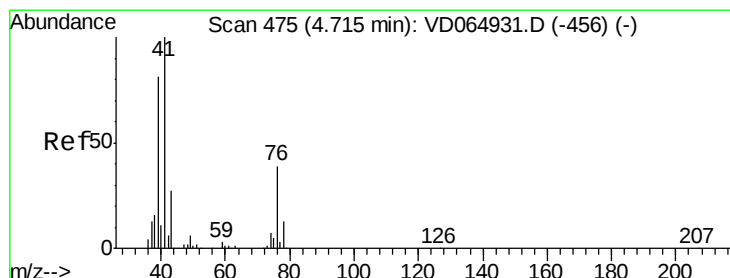
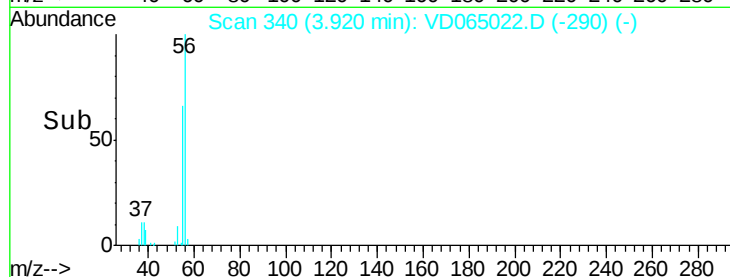
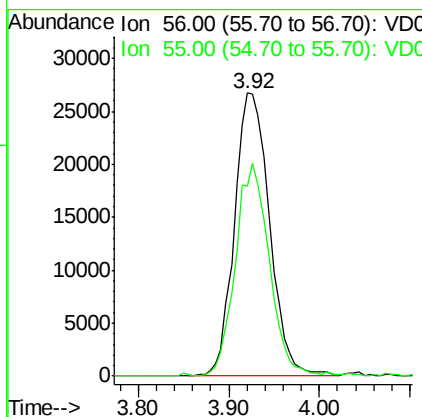
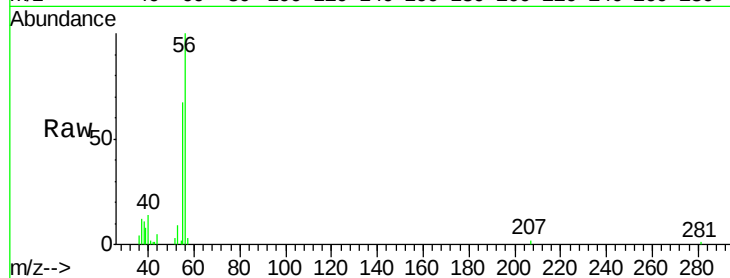
#13
Acrolein
Concen: 256.941 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	72077
Ion Ratio	100	Lower	Upper
56	100		
55	72.4	59.7	89.5

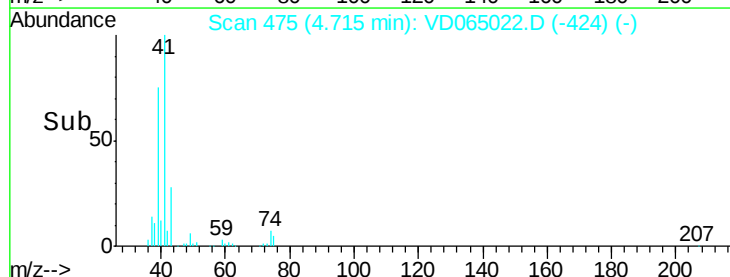
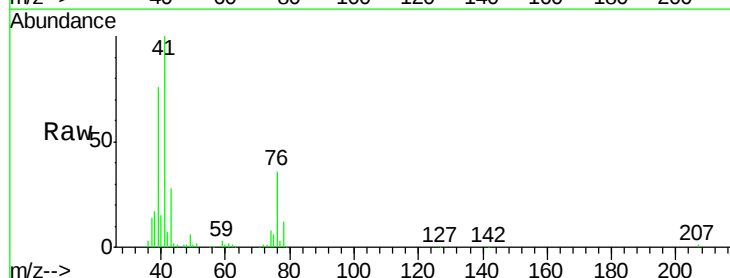
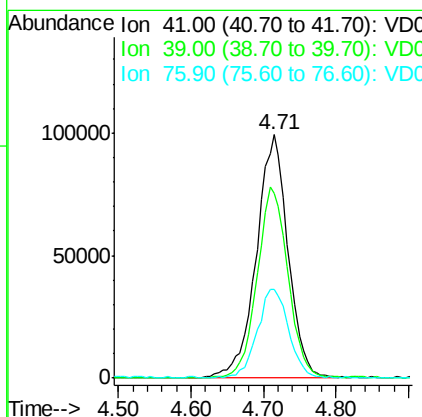
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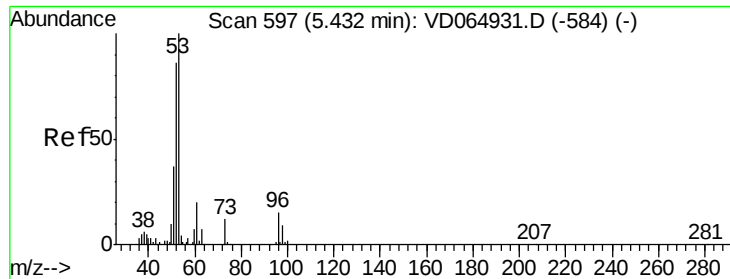
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#14
Allyl chloride
Concen: 51.660 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Tgt Ion	41	Resp	302774
Ion Ratio	100	Lower	Upper
41	100		
39	76.7	62.0	93.0
76	35.8	29.3	43.9





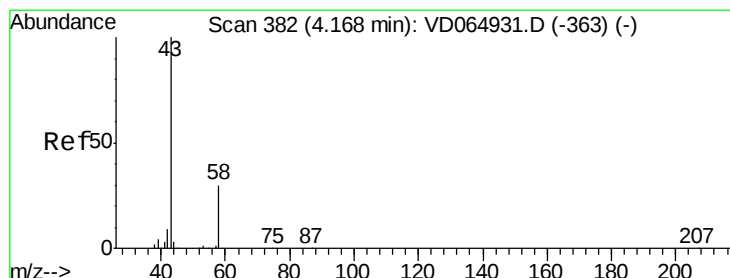
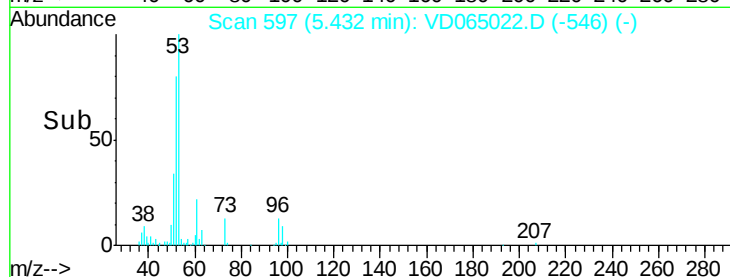
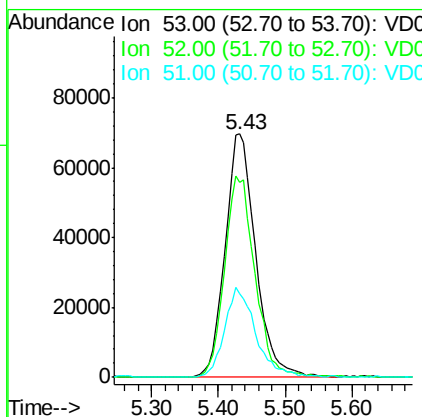
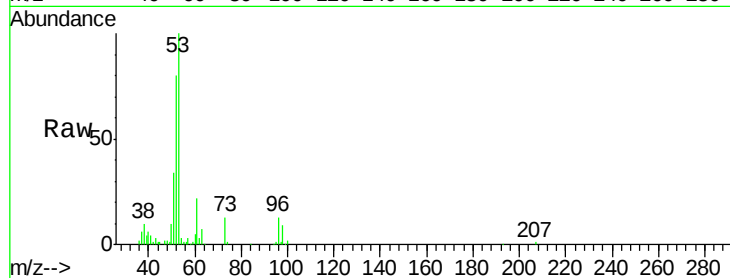
#15
 Acrylonitrile
 Concen: 277.323 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VD065022.D
 Acq: 30 Jan 2020 19:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	224149
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.7	100.1
51	37.5	31.1	46.7

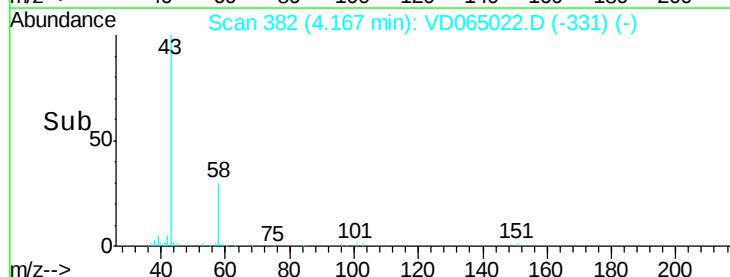
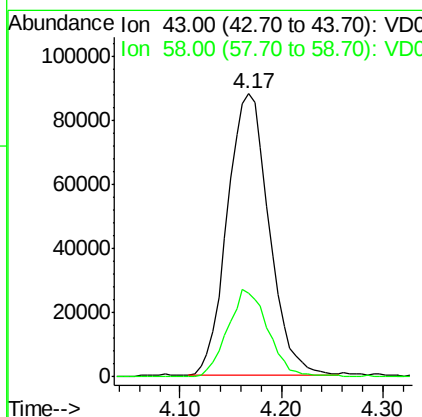
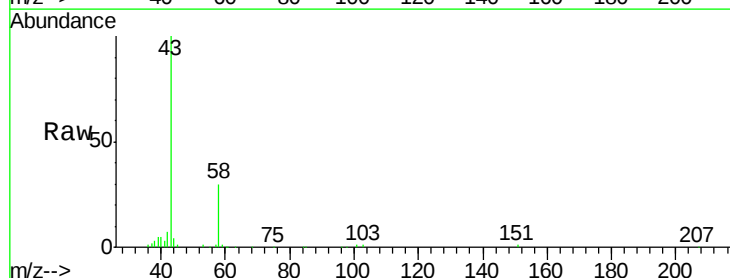
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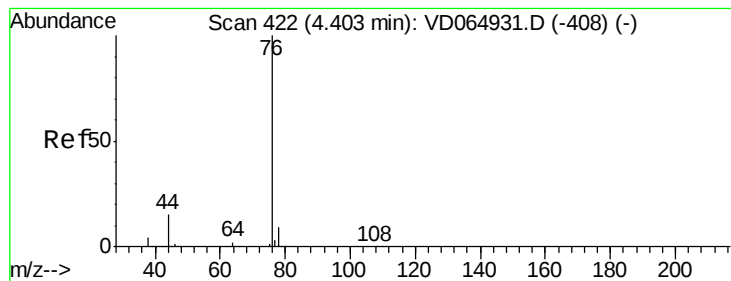
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#16
 Acetone
 Concen: 264.931 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VD065022.D
 Acq: 30 Jan 2020 19:32

Tgt Ion:	43	Resp:	251587
Ion Ratio	Lower	Upper	
43	100		
58	29.8	23.8	35.8





#17

Carbon Disulfide

Concen: 48.507 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 586642

Ion Ratio Lower Upper

76 100

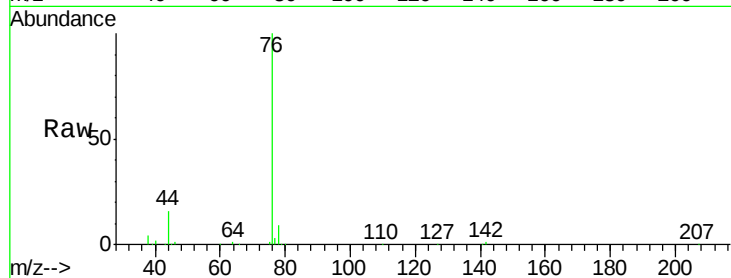
78 8.9 7.1 10.7

Manual Integrations

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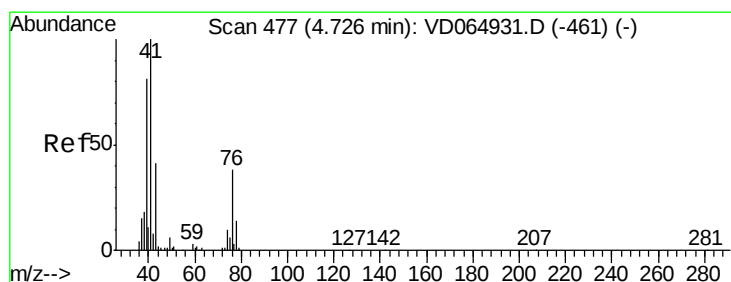
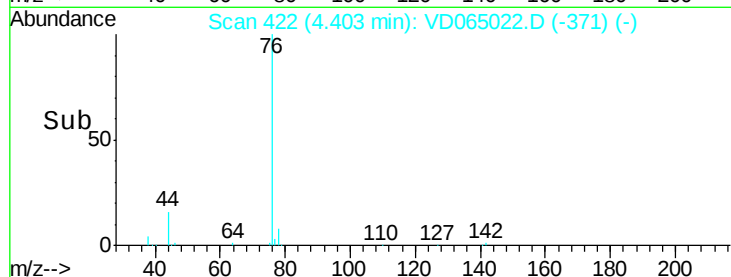
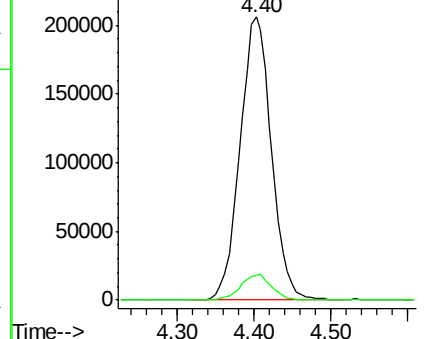
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 55.103 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065022.D

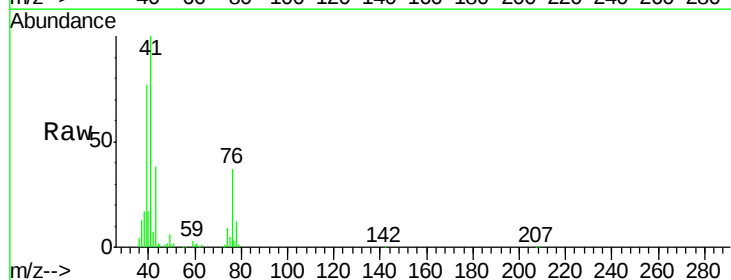
Acq: 30 Jan 2020 19:32

Tgt Ion: 43 Resp: 104502

Ion Ratio Lower Upper

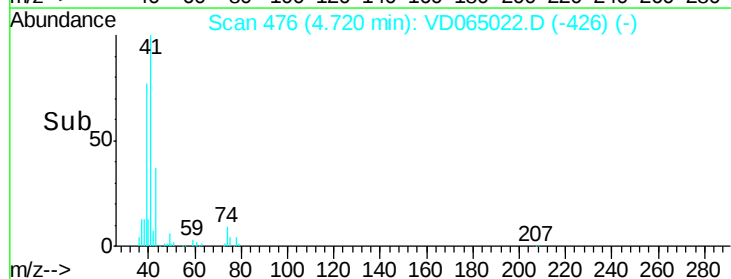
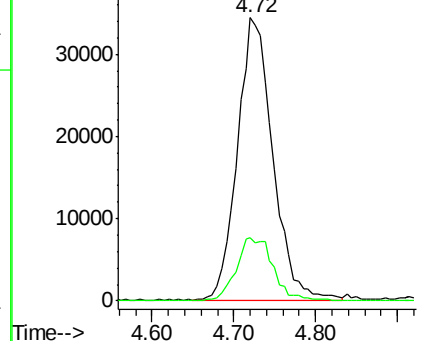
43 100

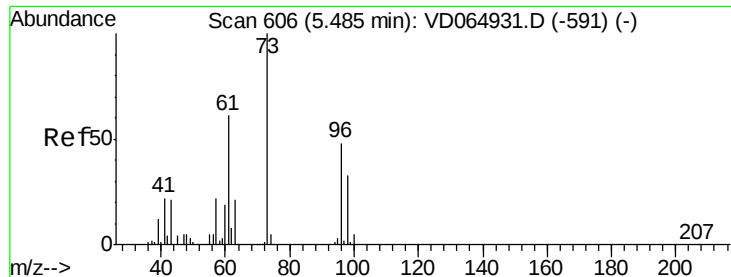
74 23.1 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





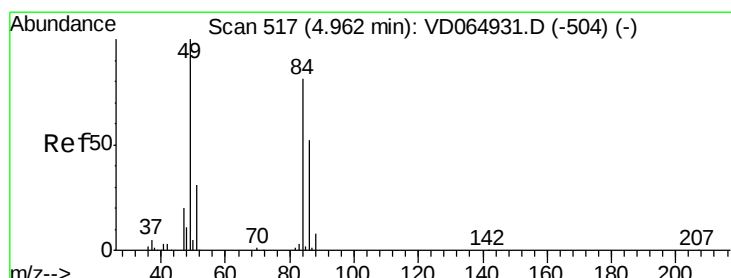
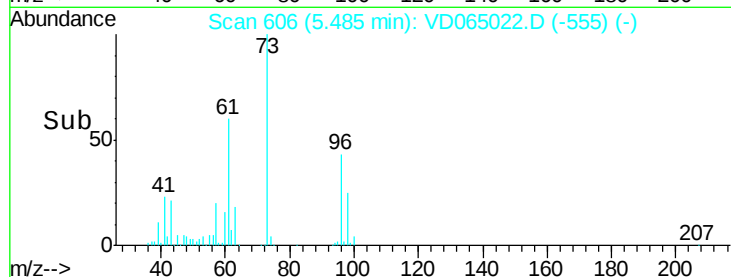
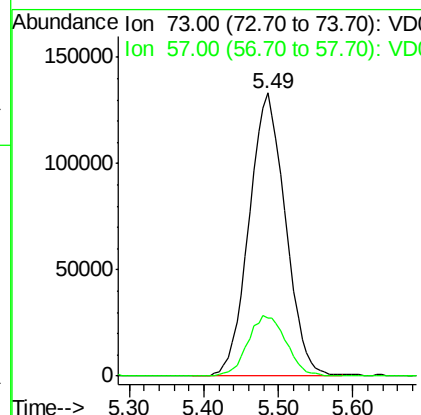
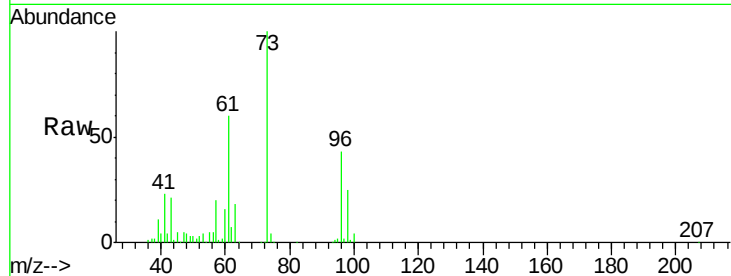
#19
Methyl tert-butyl Ether
Concen: 54.995 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 451554
Ion Ratio Lower Upper
73 100
57 20.3 17.9 26.9

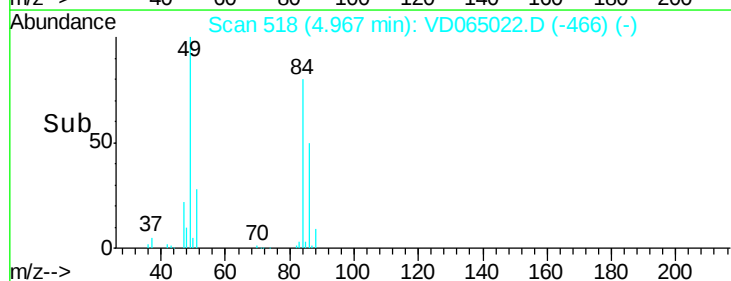
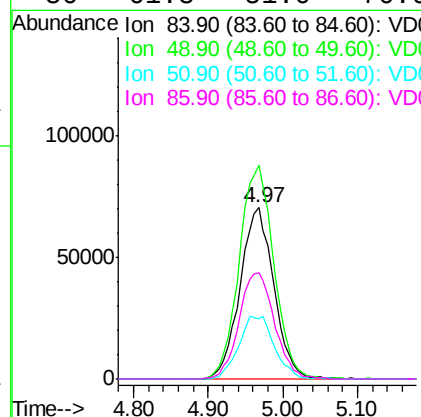
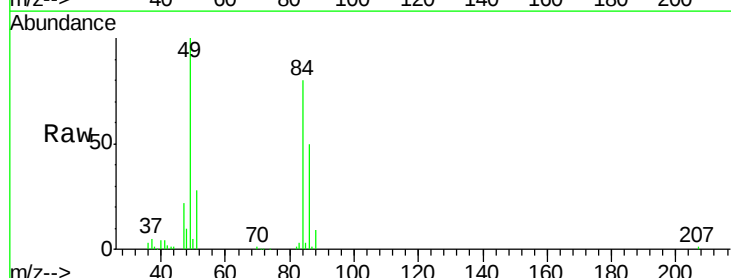
Manual Integrations
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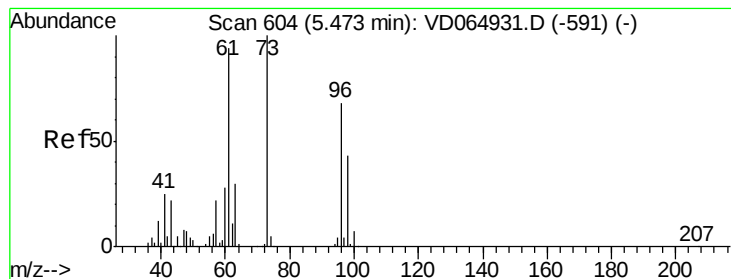
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#20
Methylene Chloride
Concen: 57.220 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Tgt Ion: 84 Resp: 221677
Ion Ratio Lower Upper
84 100
49 124.8 98.4 147.6
51 35.3 30.8 46.2
86 61.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 51.554 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Instrument :

MSVOA_D

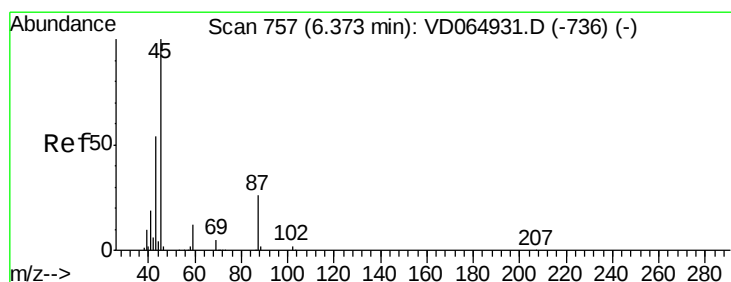
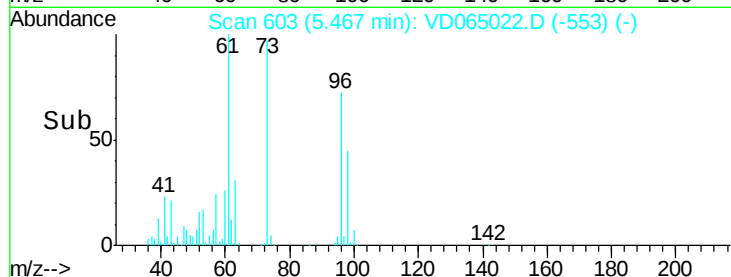
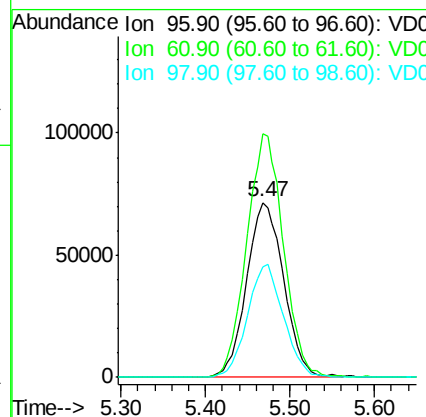
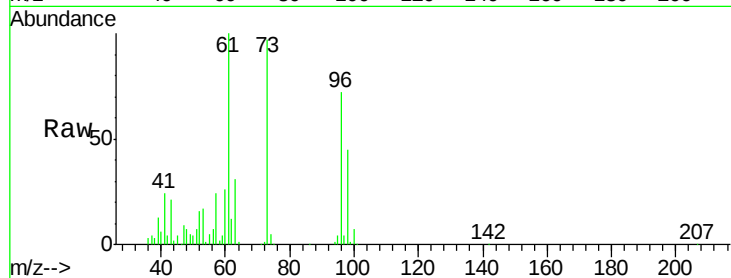
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	218265
Ion	Ratio	Lower	Upper
96	100		
61	139.2	110.4	165.6
98	62.9	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 55.824 ug/l

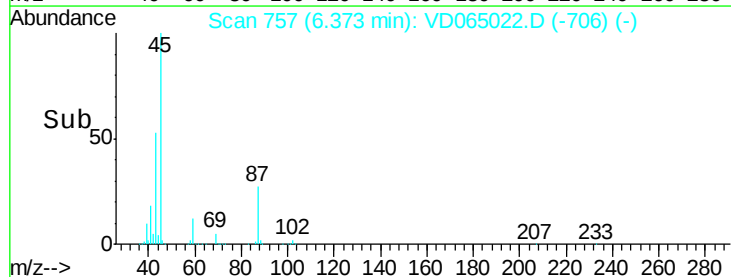
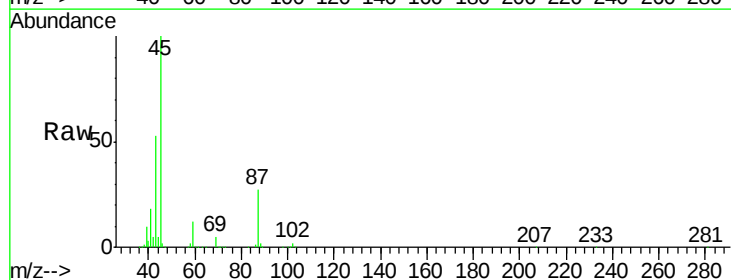
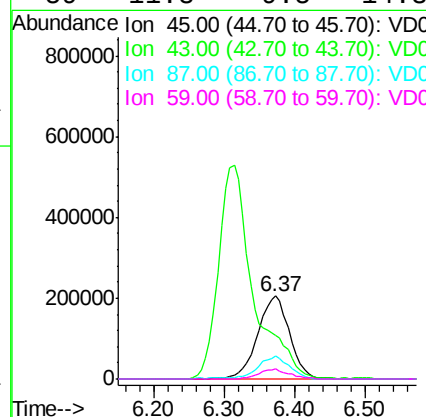
RT: 6.37 min Scan# 757

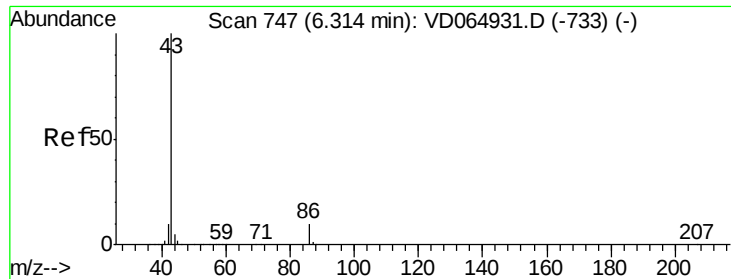
Delta R.T. -0.00 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Tgt Ion:	45	Resp:	652044
Ion	Ratio	Lower	Upper
45	100		
43	51.8	43.1	64.7
87	27.0	21.4	32.2
59	11.8	9.5	14.3





#23

Vinyl Acetate

Concen: 264.966 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1812000

Ion Ratio Lower Upper

43 100

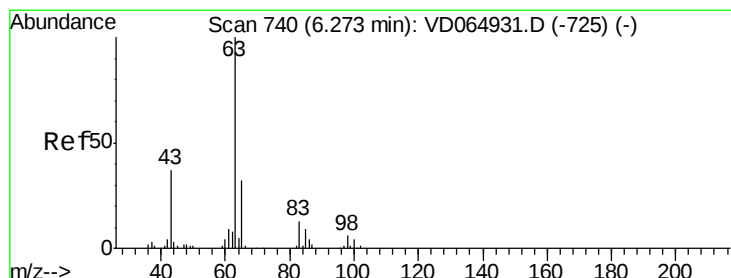
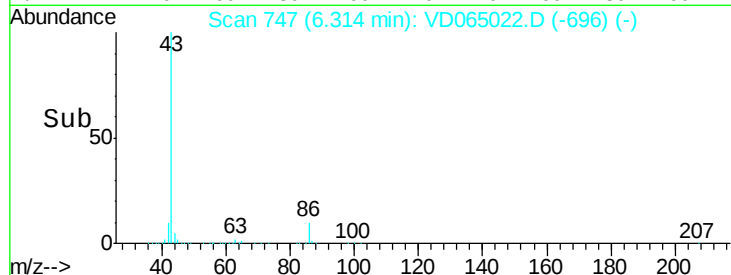
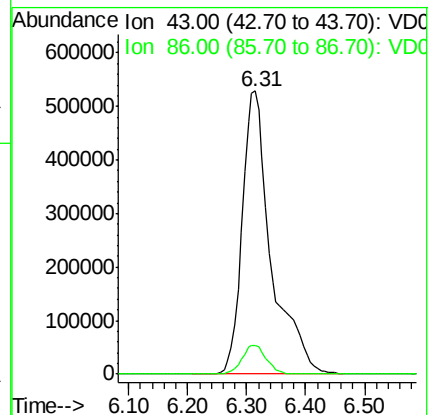
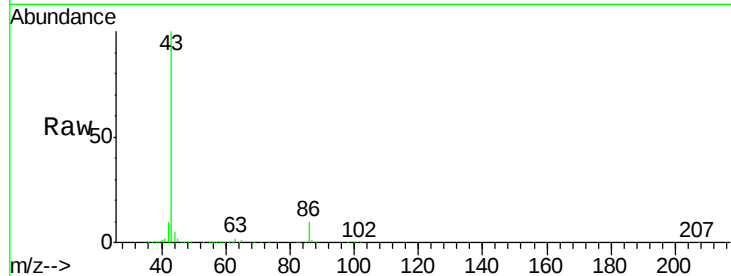
86 10.2 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 53.137 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

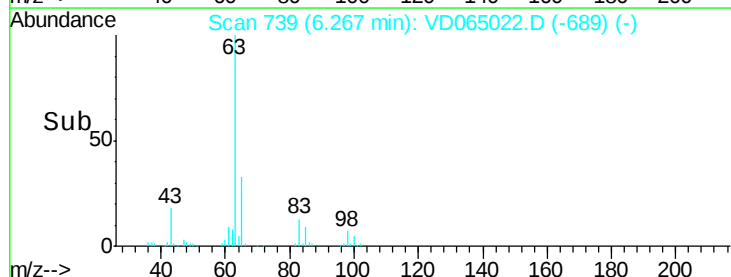
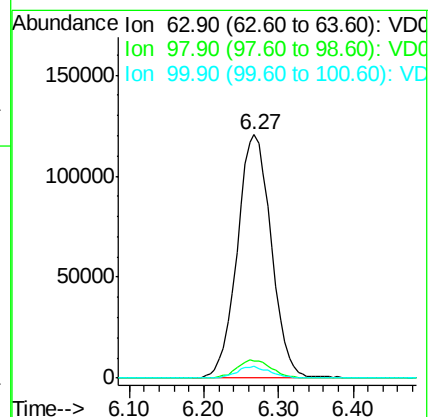
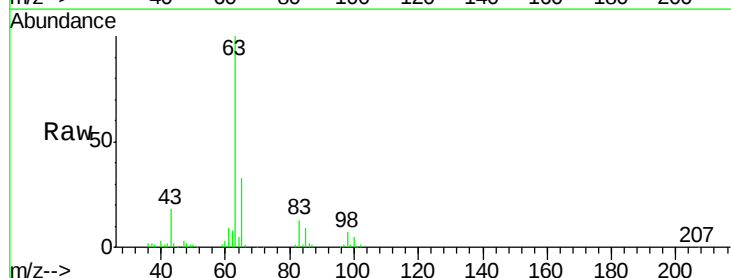
Tgt Ion: 63 Resp: 381073

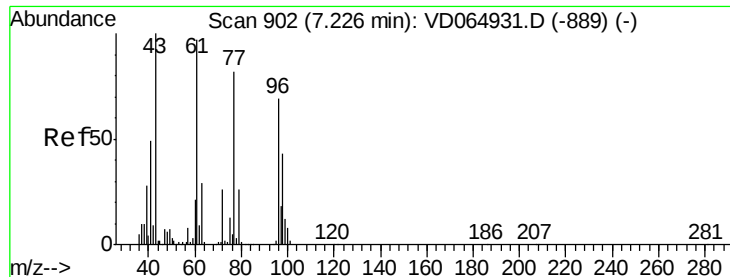
Ion Ratio Lower Upper

63 100

98 7.2 3.1 9.3

100 4.7 2.3 6.8





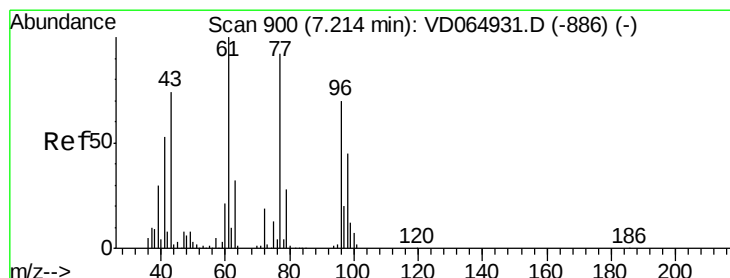
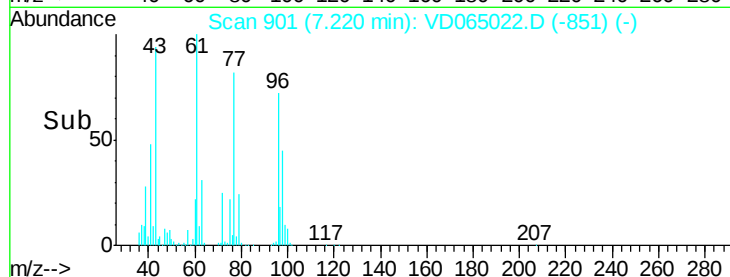
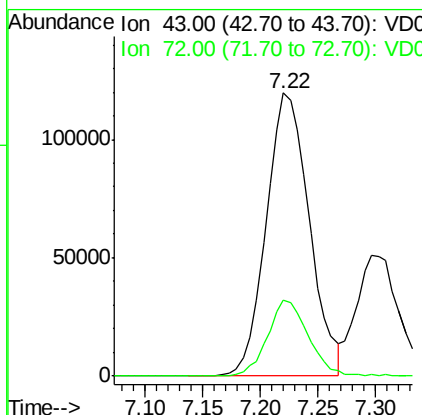
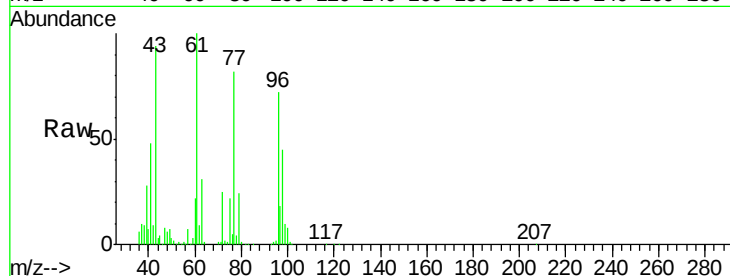
#25
2-Butanone
Concen: 284.444 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 311179
Ion Ratio Lower Upper
43 100
72 26.7 20.6 31.0

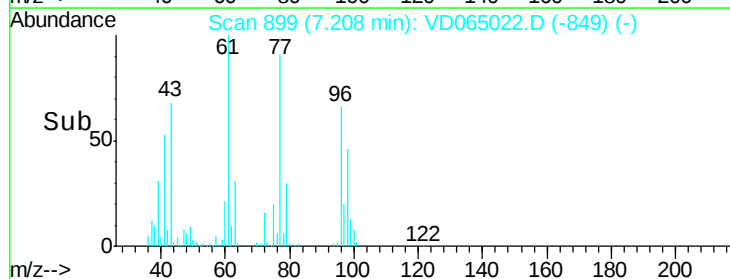
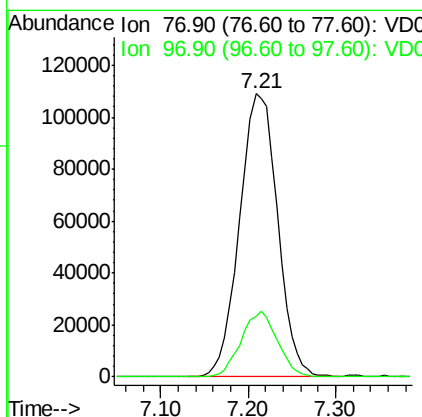
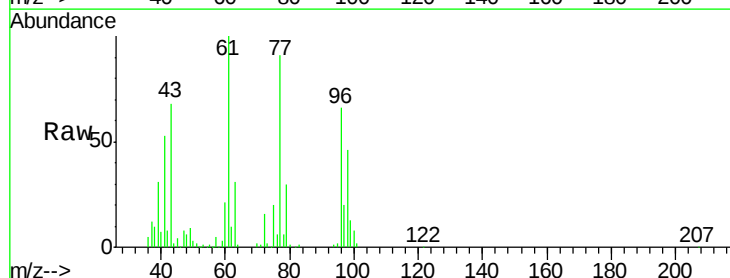
Manual Integrations
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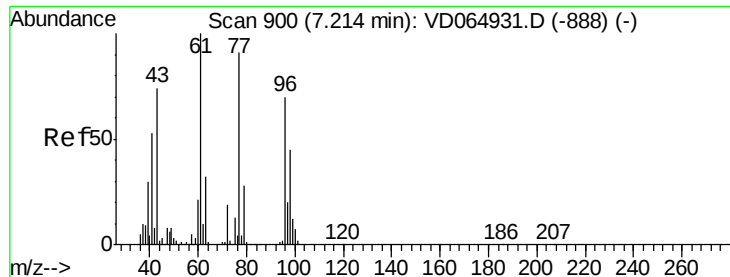
MMDadoda
1/31/2020 4:25:46 PM



#26
2,2-Dichloropropane
Concen: 49.670 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Tgt Ion: 77 Resp: 323098
Ion Ratio Lower Upper
77 100
97 22.1 11.4 34.2





#27

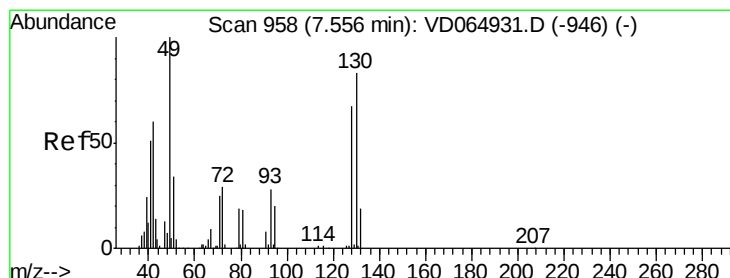
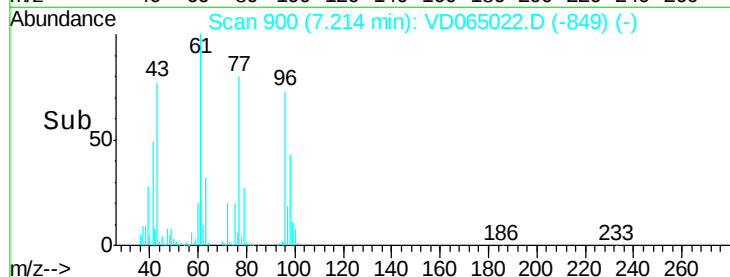
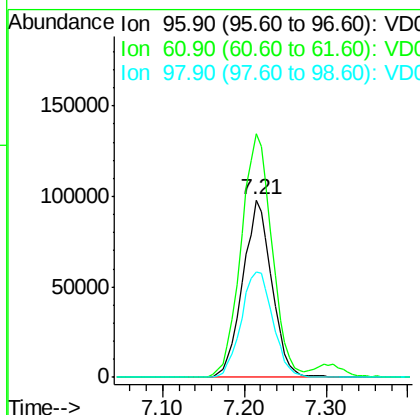
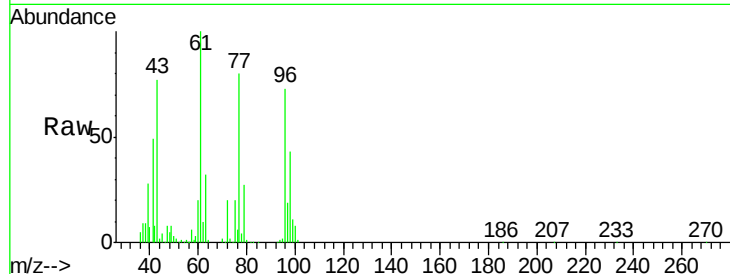
cis-1,2-Dichloroethene
 Concen: 53.709 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065022.D
 Acq: 30 Jan 2020 19:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.5	0.0	292.8
98	64.8	0.0	130.0

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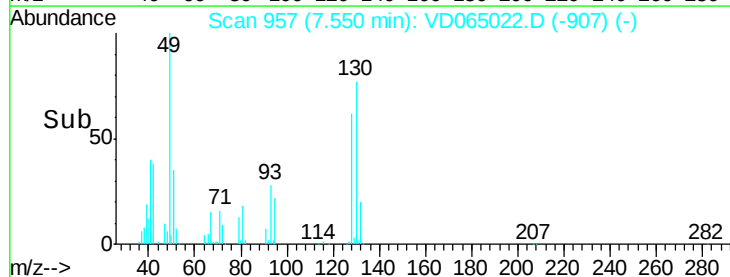
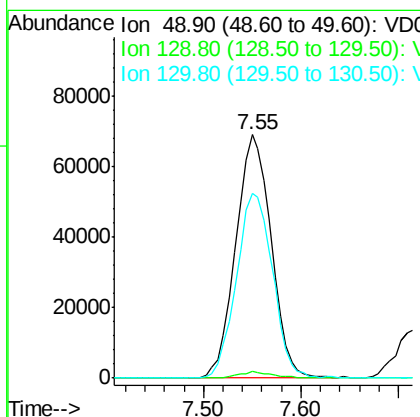
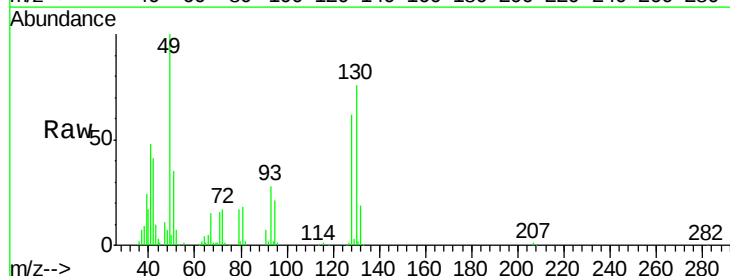
MMDadoda
 1/31/2020 4:25:46 PM

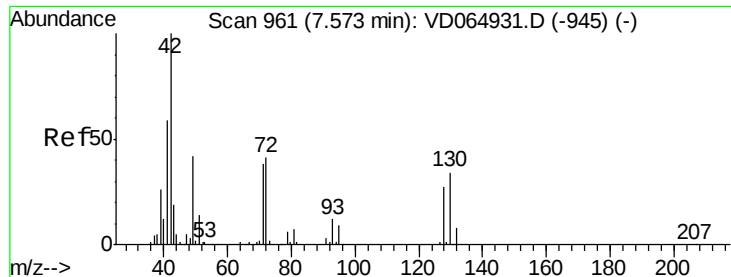


#28

Bromochloromethane
 Concen: 60.980 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD065022.D
 Acq: 30 Jan 2020 19:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	77.6	63.8	95.8





#29

Tetrahydrofuran

Concen: 273.948 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Instrument :

MSVOA_D

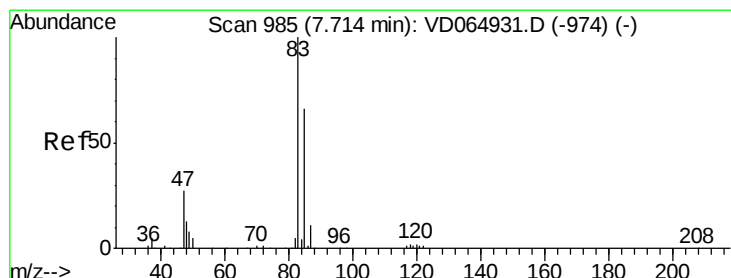
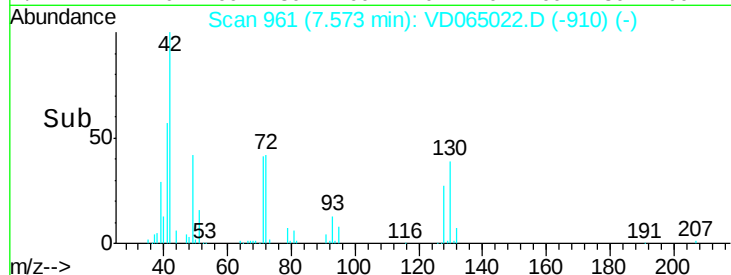
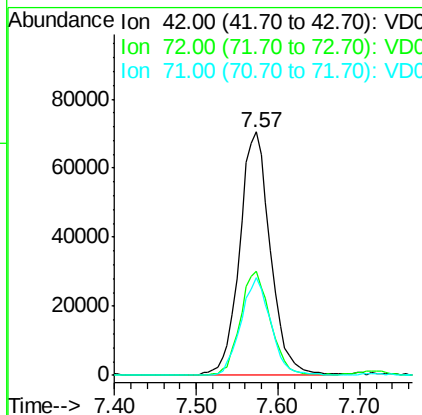
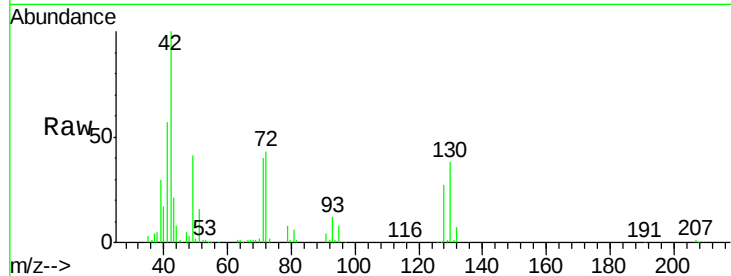
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	184913
Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.0	51.0
71	38.5	31.5	47.3

Manual Integrations
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#30

Chloroform

Concen: 53.712 ug/l

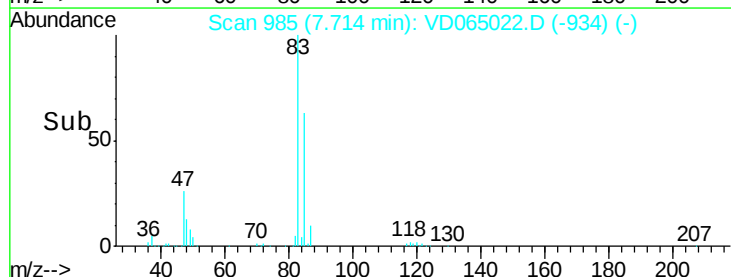
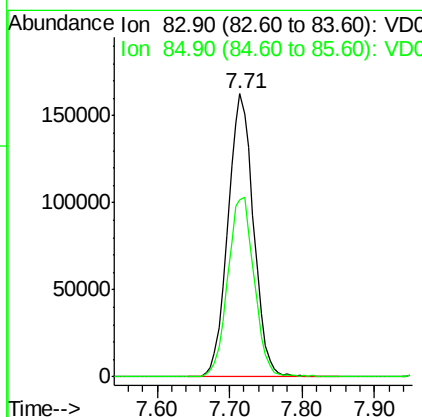
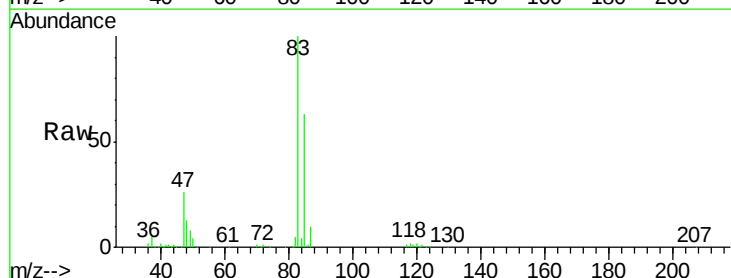
RT: 7.71 min Scan# 985

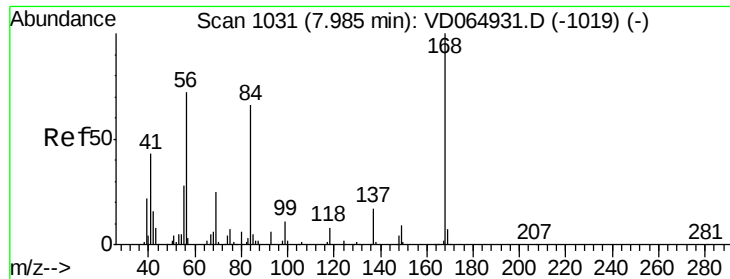
Delta R.T. -0.00 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Tgt Ion:	83	Resp:	398185
Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.4	78.6





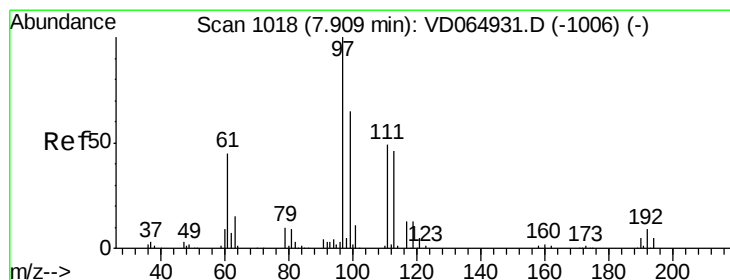
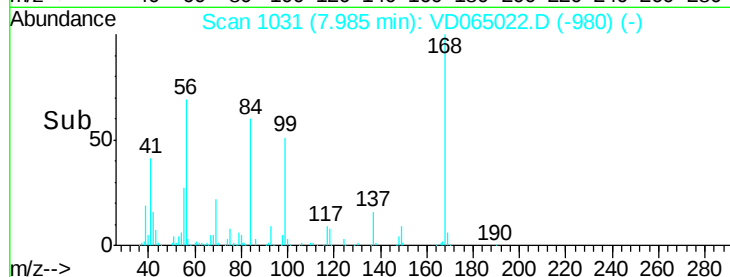
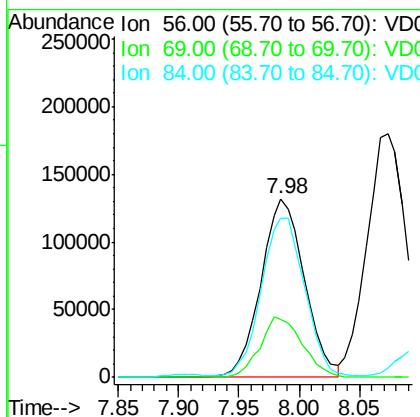
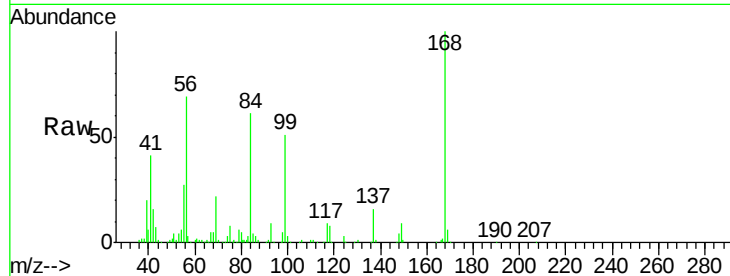
#31
Cyclohexane
Concen: 46.653 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	329134
Ion	Ratio	Lower	Upper
56	100		
69	32.5	27.9	41.9
84	86.9	72.8	109.2

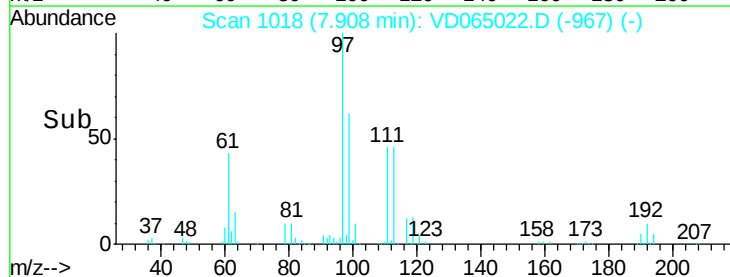
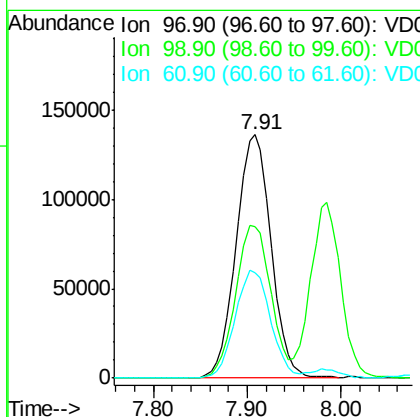
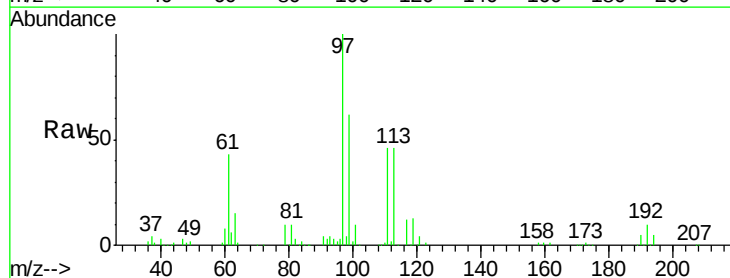
Manual Integrations
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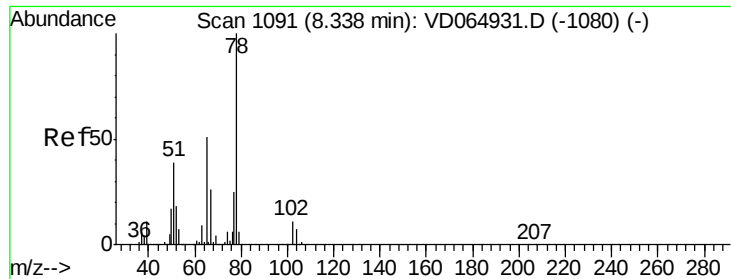
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#32
1,1,1-Trichloroethane
Concen: 50.986 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Tgt Ion	97	Resp	351628
Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.6	76.0
61	44.8	35.7	53.5





#33

1,2-Dichloroethane-d4

Concen: 51.655 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 209169

Ion Ratio Lower Upper

65 100

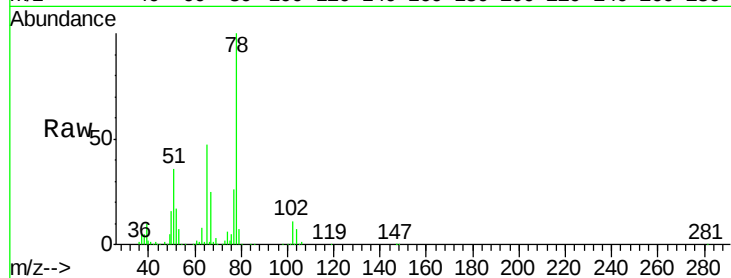
67 52.9 0.0 103.6

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

100000

80000

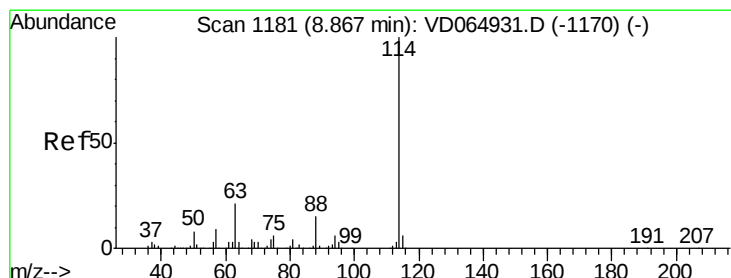
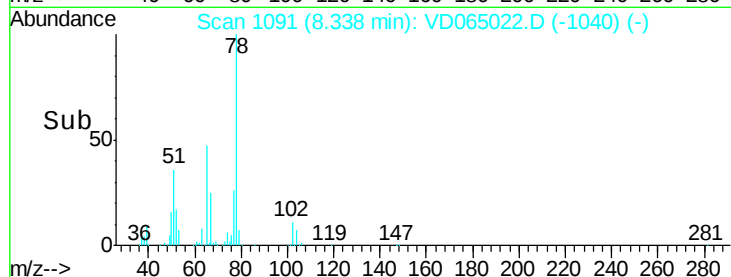
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

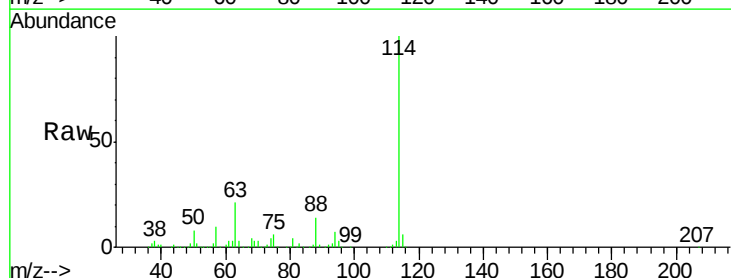
Tgt Ion:114 Resp: 631541

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.0

88 13.8 0.0 29.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

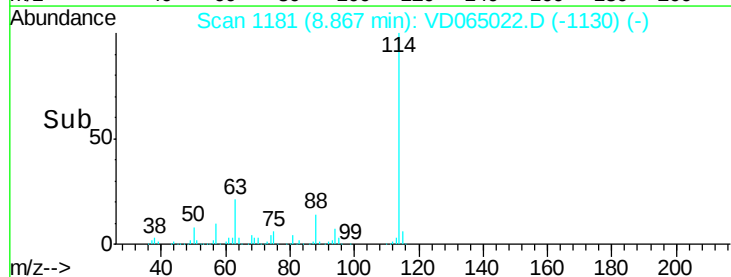
300000

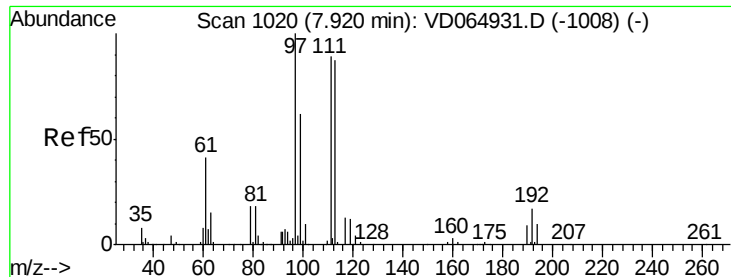
200000

100000

0

Time-->





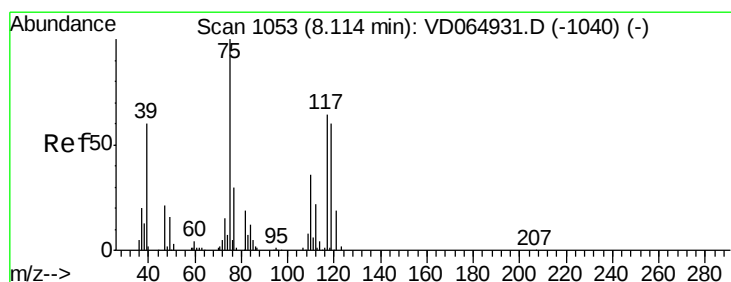
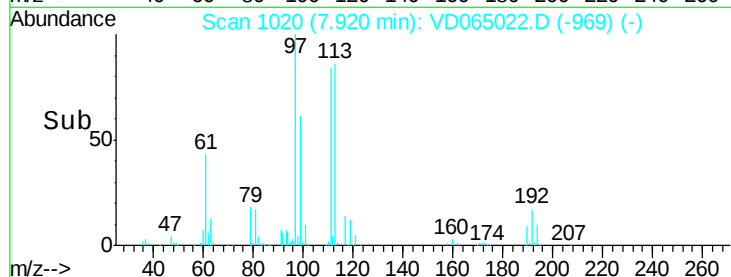
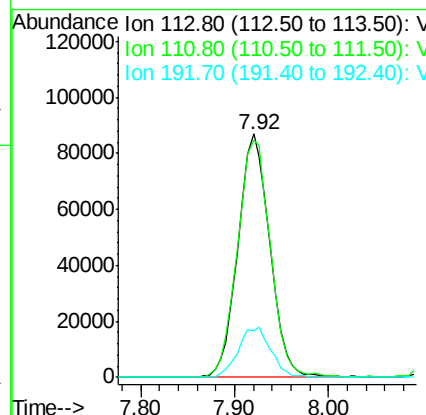
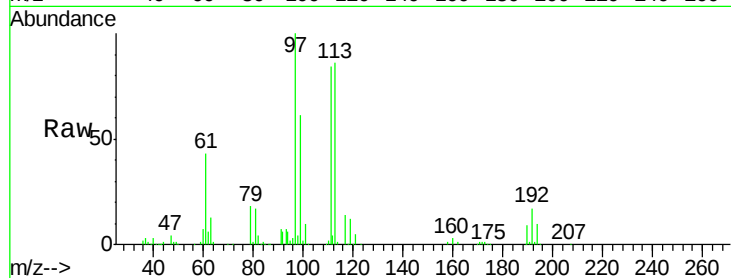
#35
Dibromofluoromethane
Concen: 51.458 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	204220		
111	101.5	82.4	123.6	
192	21.0	16.9	25.3	

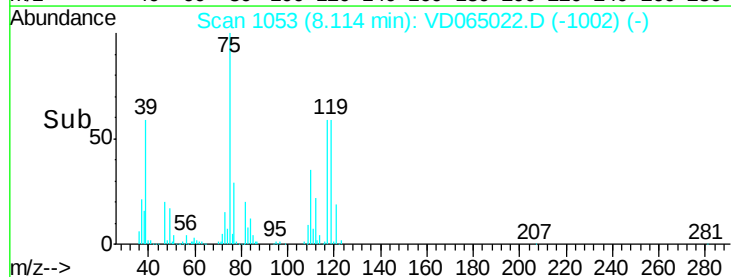
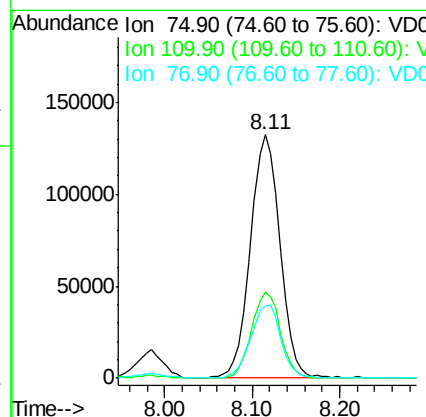
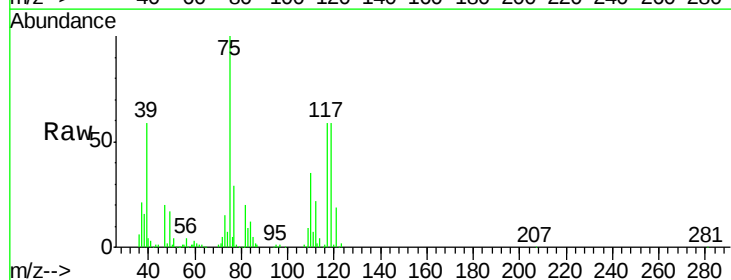
Manual Integrations
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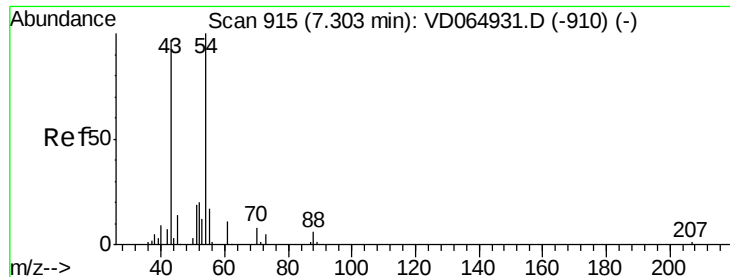
MMDadoda
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#36
1,1-Dichloropropene
Concen: 49.740 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	302908		
110	34.6	17.3	52.0	
77	31.0	24.7	37.1	





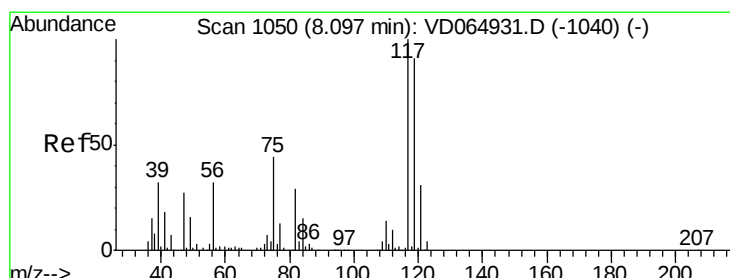
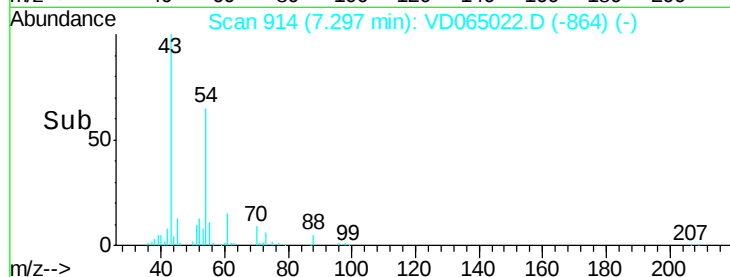
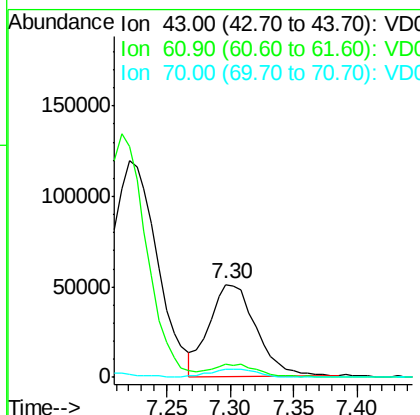
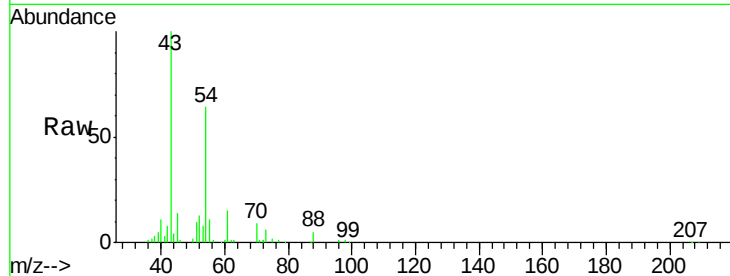
#37
Ethyl Acetate
Concen: 52.462 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.0	16.4
70	9.3	7.5	11.3

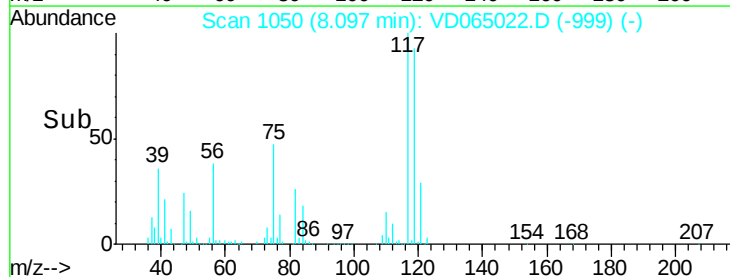
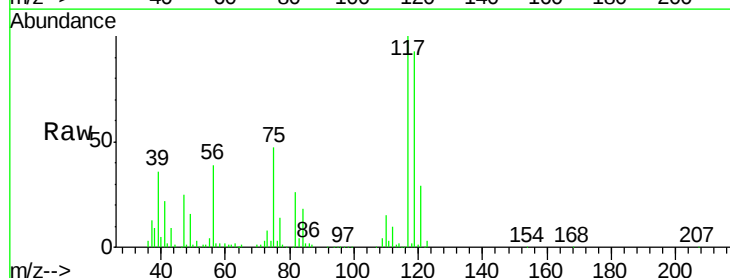
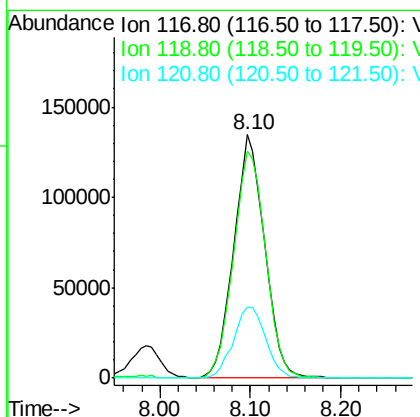
Manual Integrations
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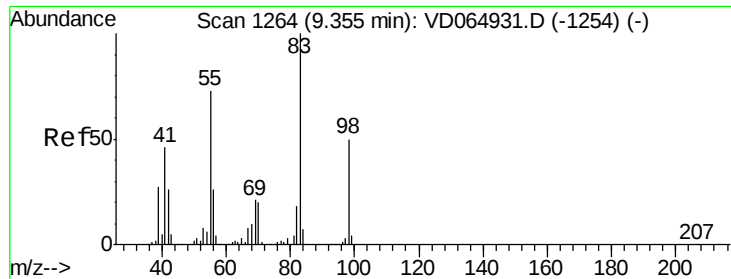
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#38
Carbon Tetrachloride
Concen: 49.241 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	73.2	109.8
121	29.1	24.4	36.6





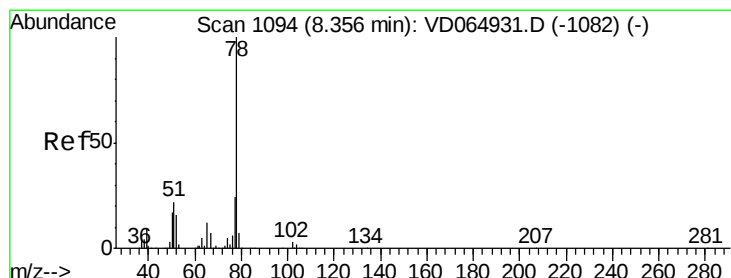
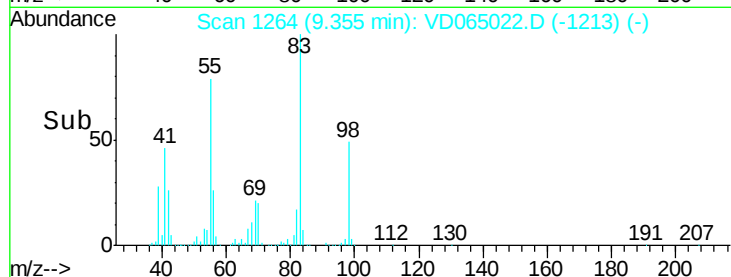
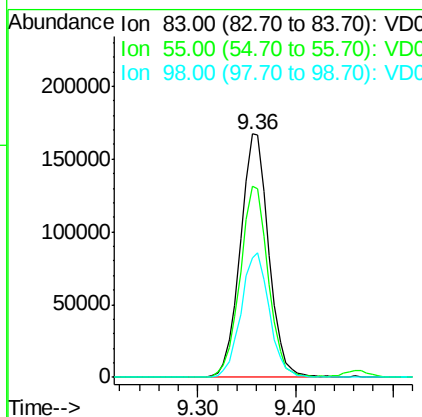
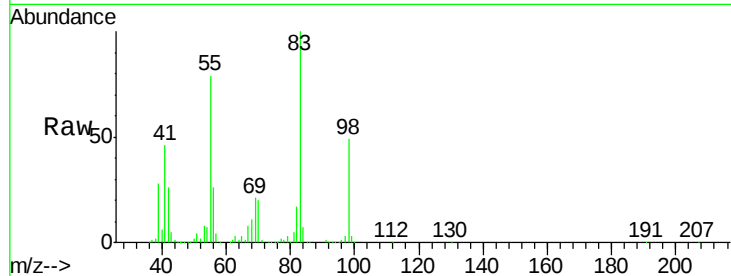
#39
Methvlcvclohexane
Concen: 47.837 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	340585		
55	78.6		58.7	88.1
98	49.2		40.2	60.2

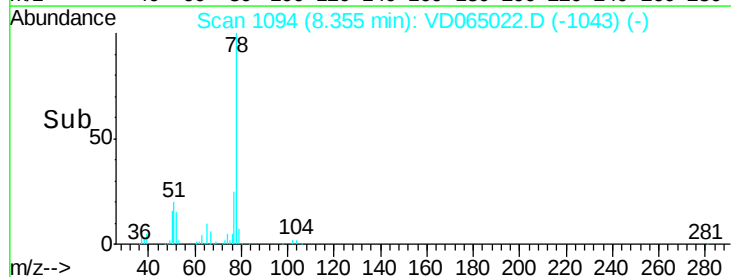
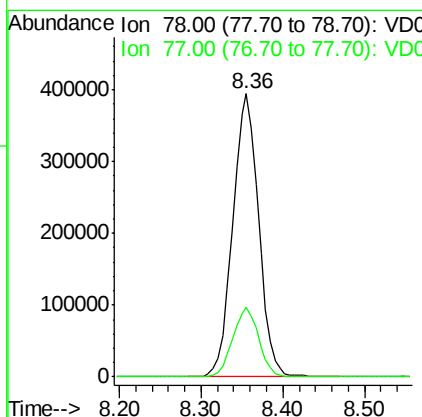
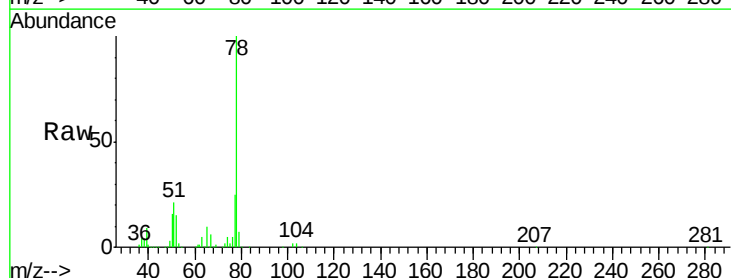
Manual Integrations
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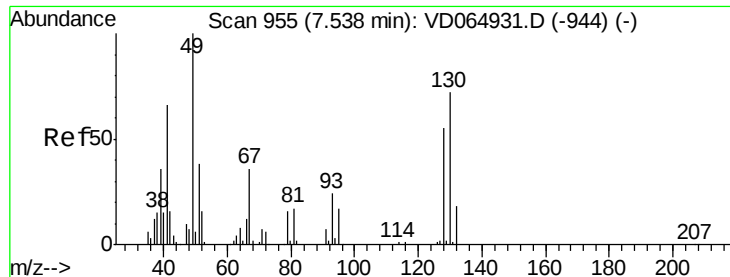
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#40
Benzene
Concen: 51.726 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	867556		
77	24.7		19.2	28.8





#41

Methacrylonitrile

Concen: 52.275 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 70836

Ion Ratio Lower Upper

41 100

39 57.0 49.3 73.9

67 74.8 51.0 76.6

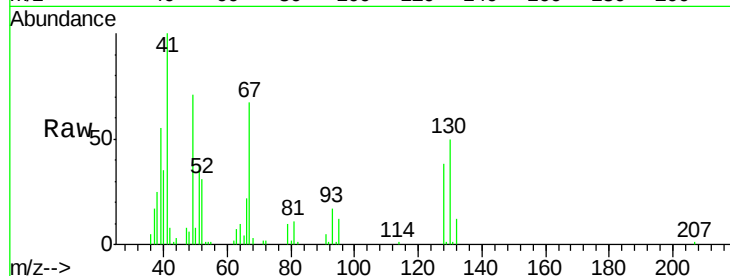
52 34.2 22.3 33.5#

Manual Integrations

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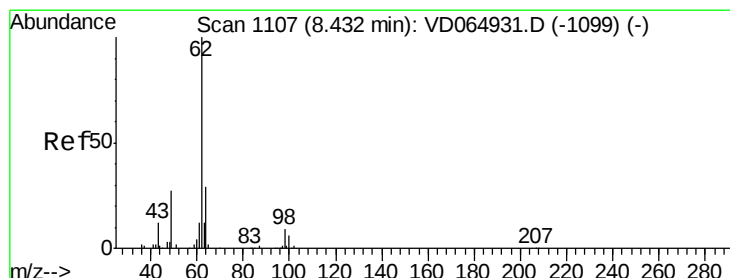
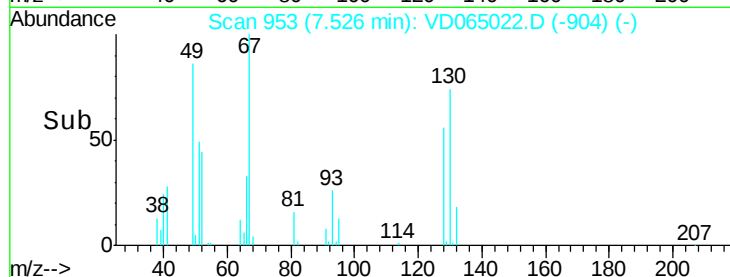
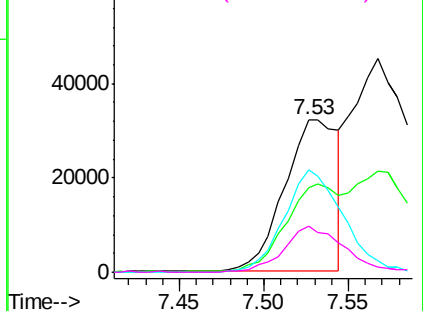


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 52.745 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD065022.D

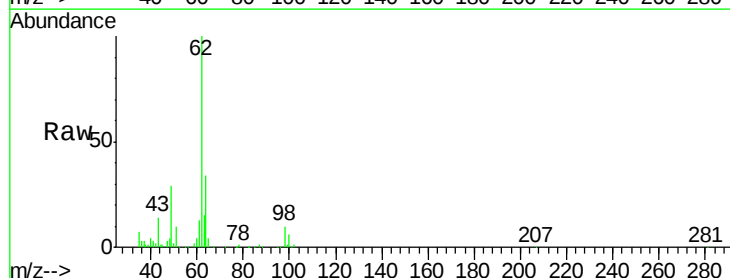
Acq: 30 Jan 2020 19:32

Tgt Ion: 62 Resp: 263524

Ion Ratio Lower Upper

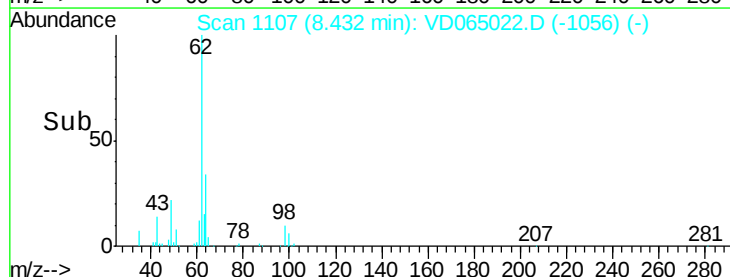
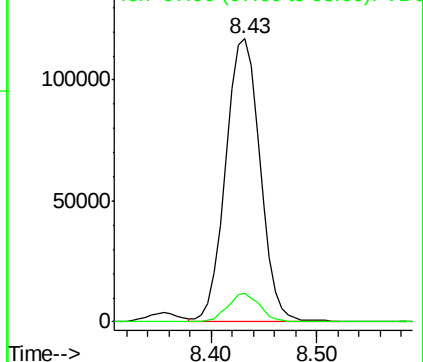
62 100

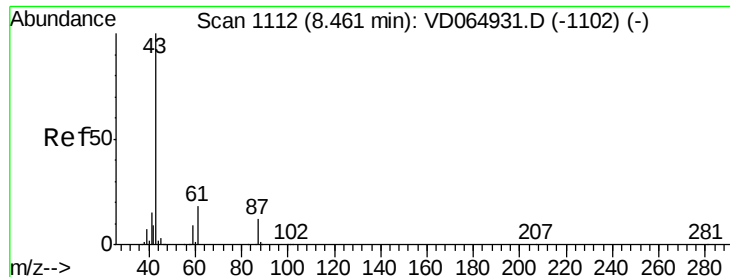
98 9.4 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 53.036 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Instrument :

MSVOA_D

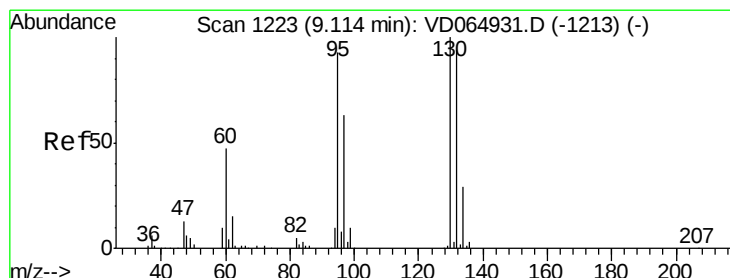
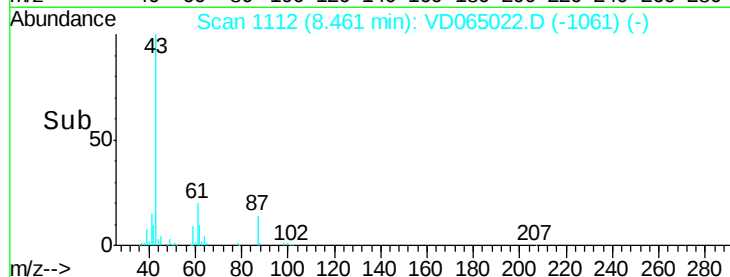
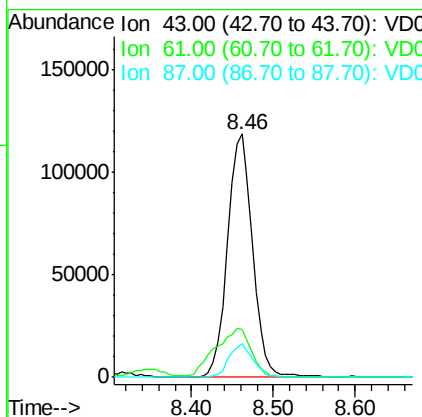
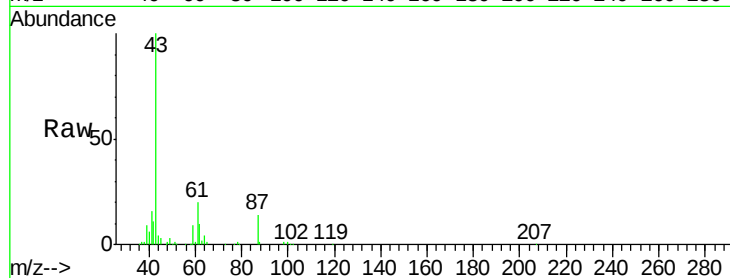
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	253418
Ion	Ratio	Lower	Upper
43	100		
61	29.2	23.8	35.6
87	13.1	10.3	15.5

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#44

Trichloroethene

Concen: 50.304 ug/l

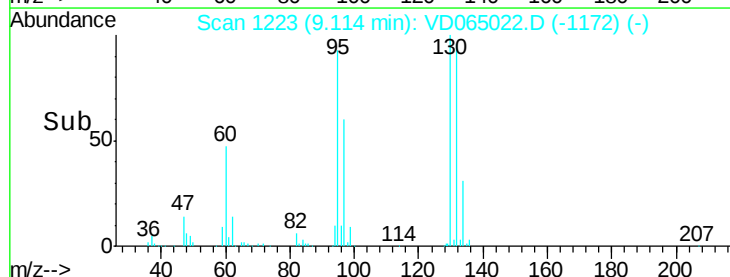
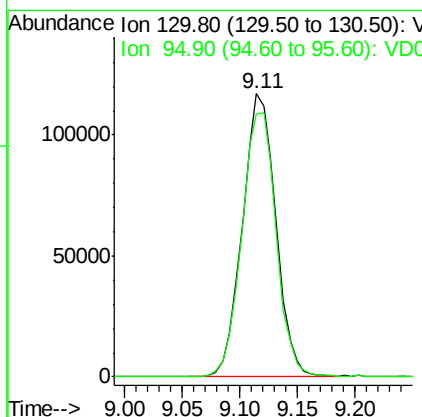
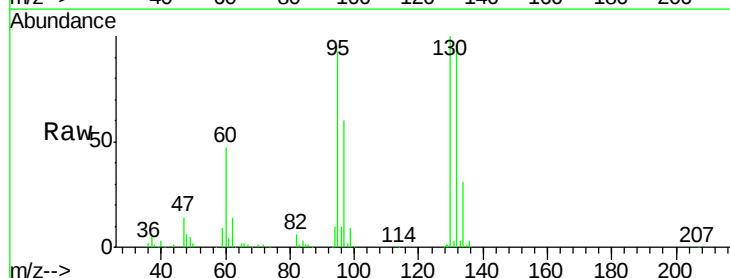
RT: 9.11 min Scan# 1223

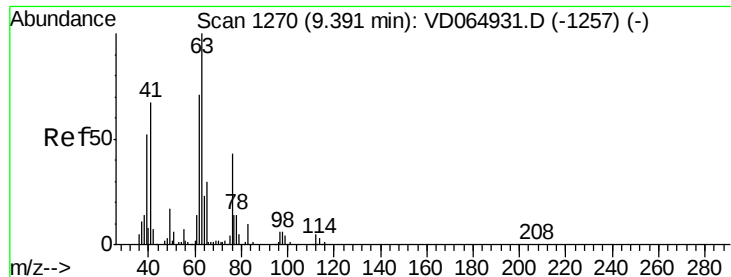
Delta R.T. -0.00 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Tgt Ion:	130	Resp:	236131
Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	185.8





#45

1,2-Dichloropropane

Concen: 52.922 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 215179

Ion Ratio Lower Upper

63 100

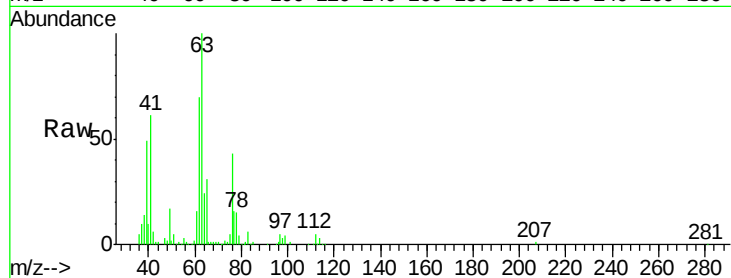
65 30.6 24.3 36.5

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

120000

100000

80000

60000

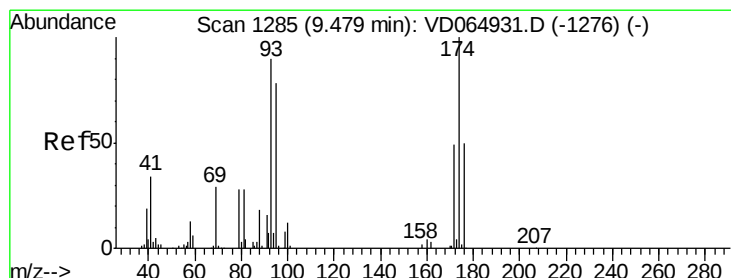
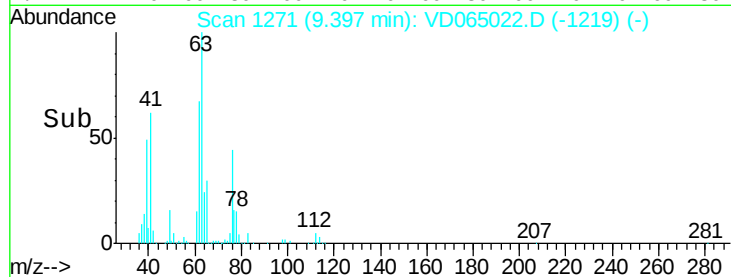
40000

20000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 52.926 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

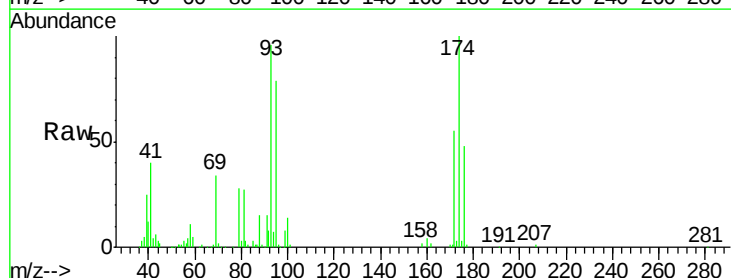
Tgt Ion: 93 Resp: 117487

Ion Ratio Lower Upper

93 100

95 82.2 67.5 101.3

174 108.9 88.4 132.6



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

80000

60000

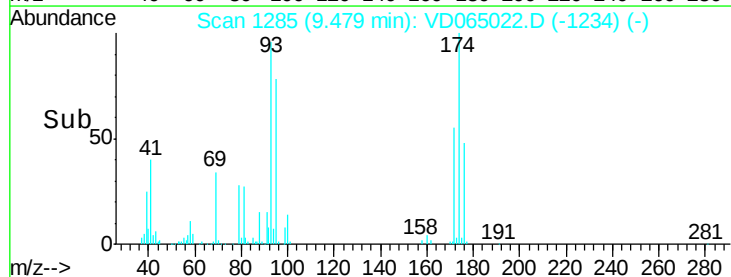
40000

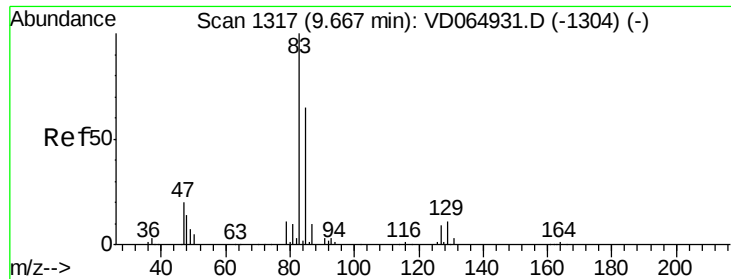
20000

0

9.40 9.45 9.50 9.55 9.60

Time-->





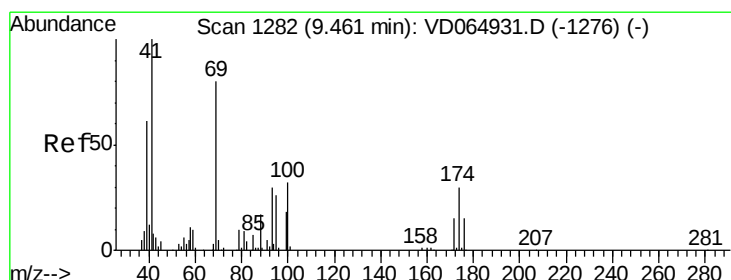
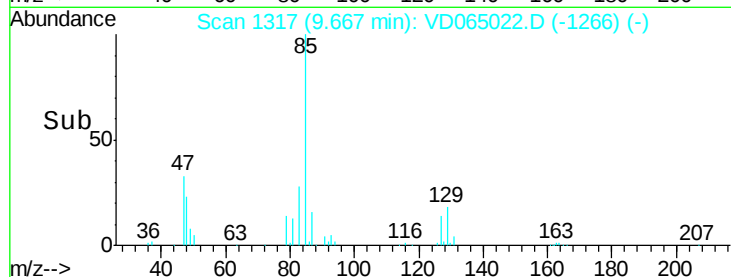
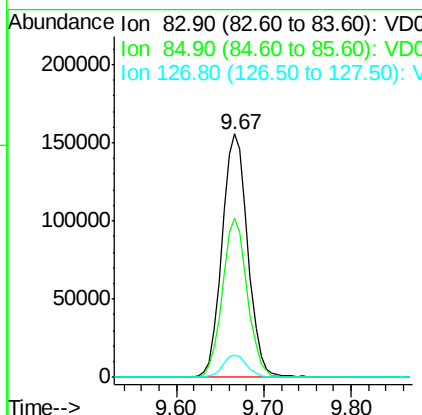
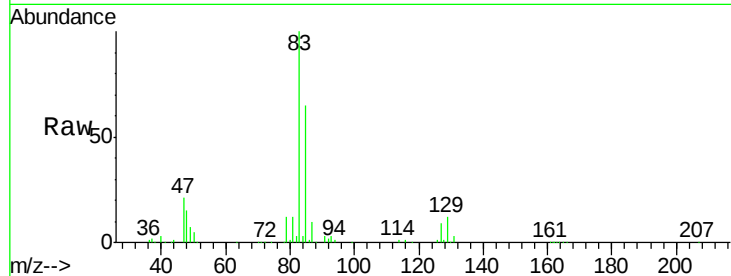
#47
Bromodichloromethane
Concen: 54.378 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.0	78.0
127	9.2	7.3	10.9

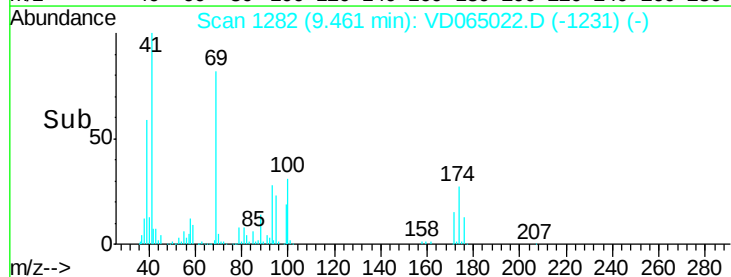
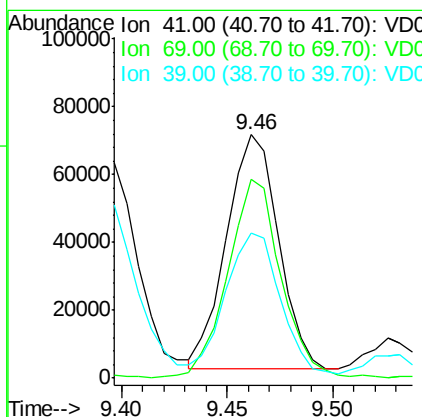
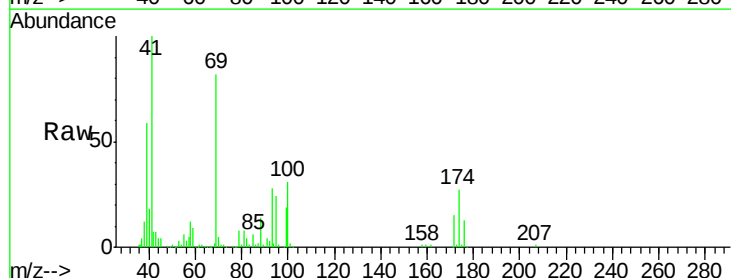
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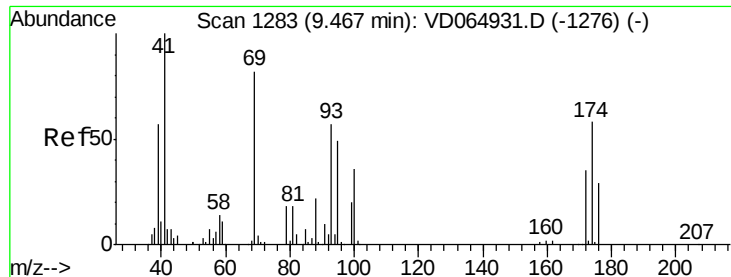
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#48
Methyl methacrylate
Concen: 53.348 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.1	65.8	98.8
39	67.1	49.4	74.0





#49

1,4-Dioxane

Concen: 981.415 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 25267

Ion Ratio Lower Upper

88 100

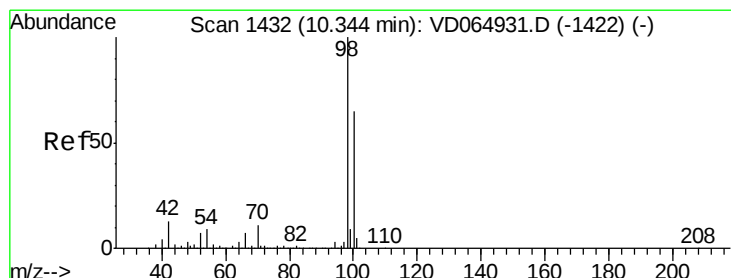
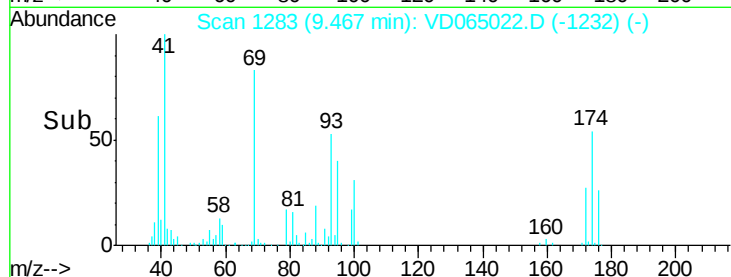
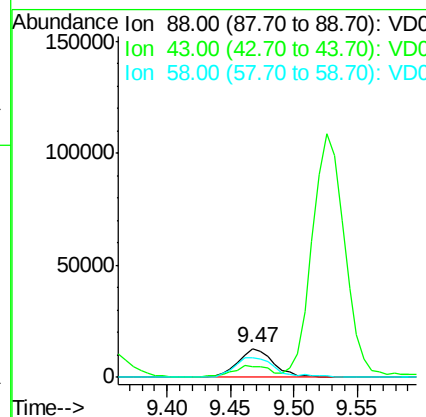
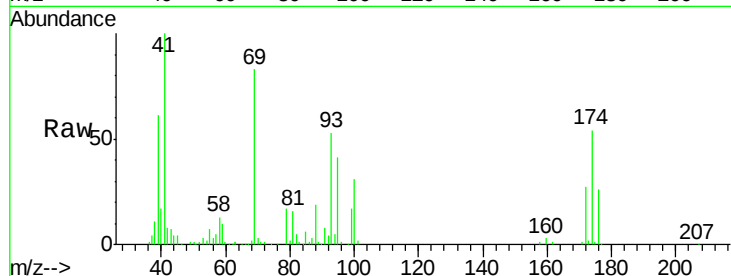
43 40.1 26.2 39.4#

58 78.0 50.3 75.5#

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#50

Toluene-d8

Concen: 49.966 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065022.D

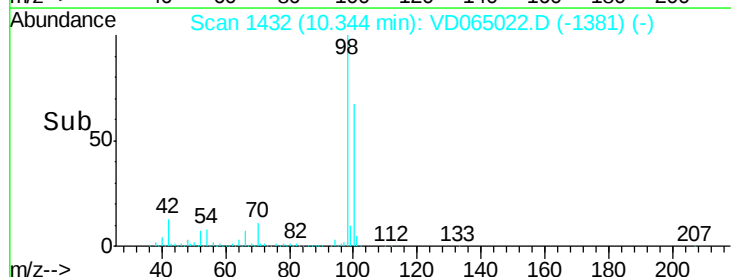
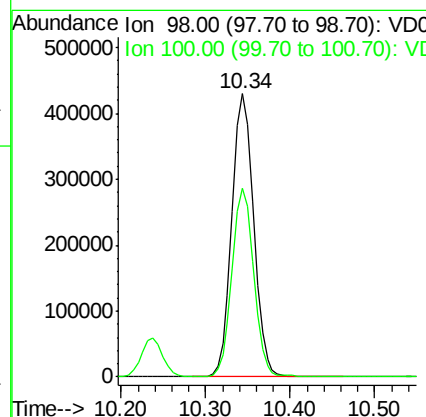
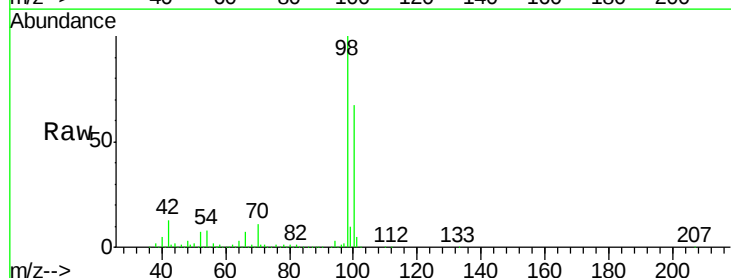
Acq: 30 Jan 2020 19:32

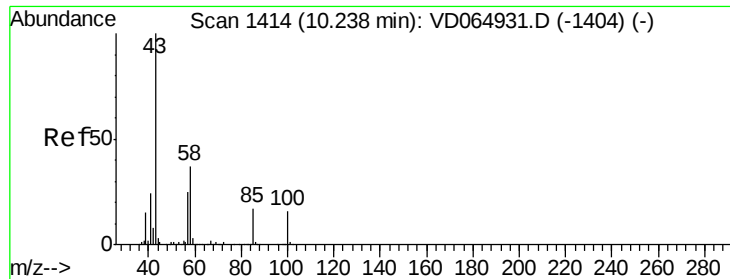
Tgt Ion: 98 Resp: 765358

Ion Ratio Lower Upper

98 100

100 65.9 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 275.836 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 659479

Ion Ratio Lower Upper

43 100

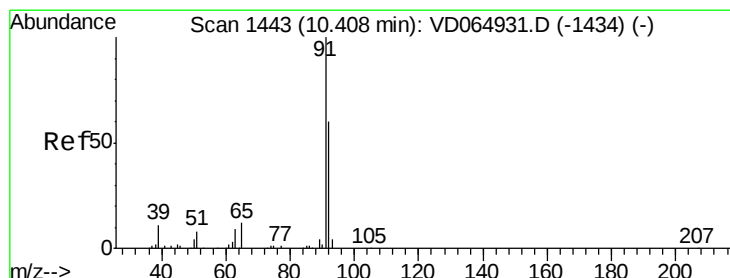
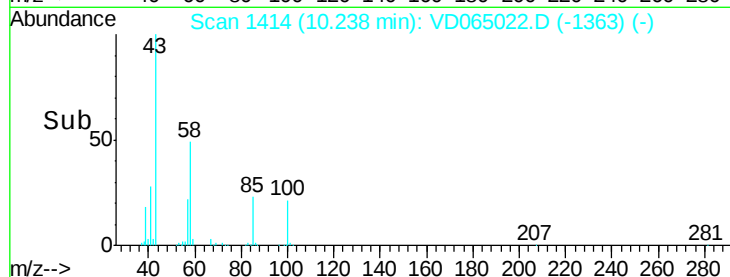
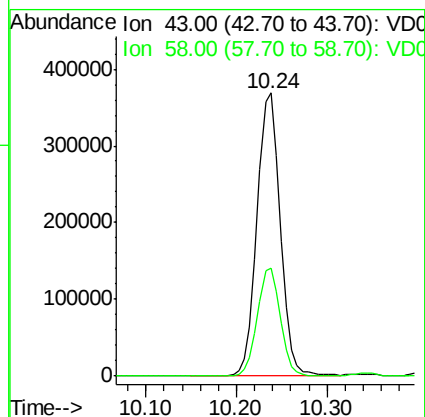
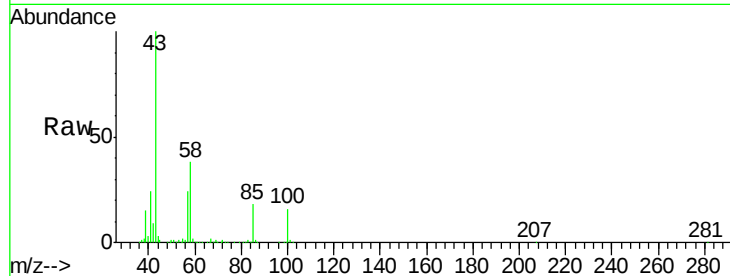
58 37.7 30.4 45.6

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#52

Toluene

Concen: 51.488 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065022.D

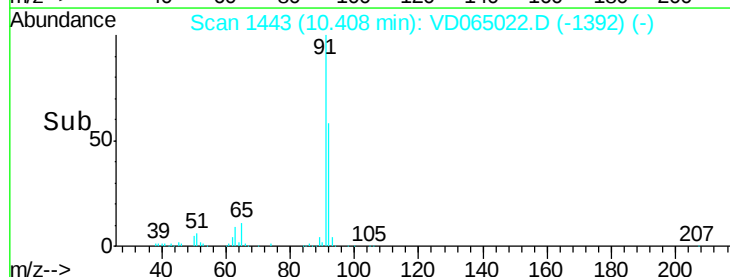
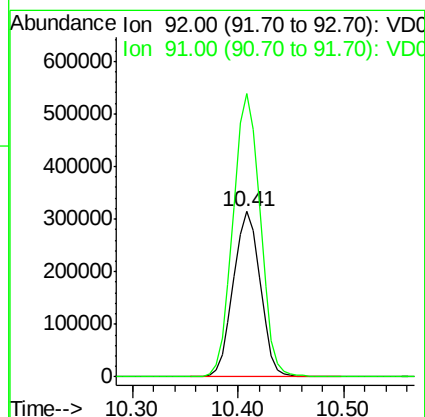
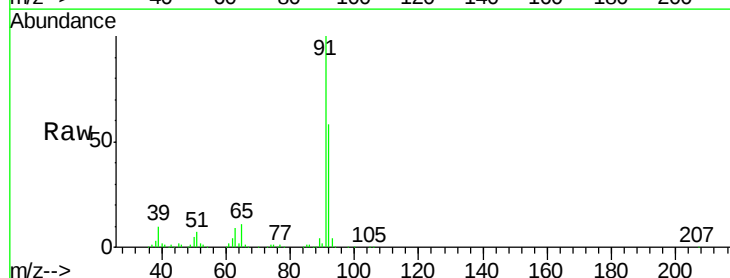
Acq: 30 Jan 2020 19:32

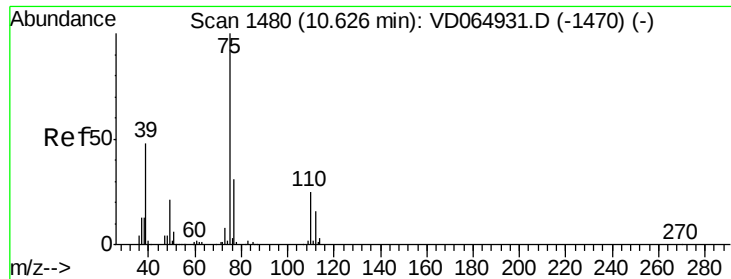
Tgt Ion: 92 Resp: 556770

Ion Ratio Lower Upper

92 100

91 172.7 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 53.687 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 295396

Ion Ratio Lower Upper

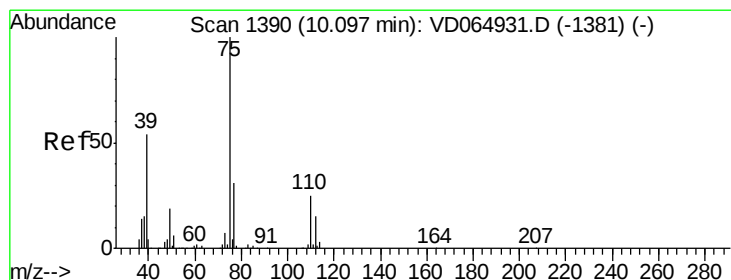
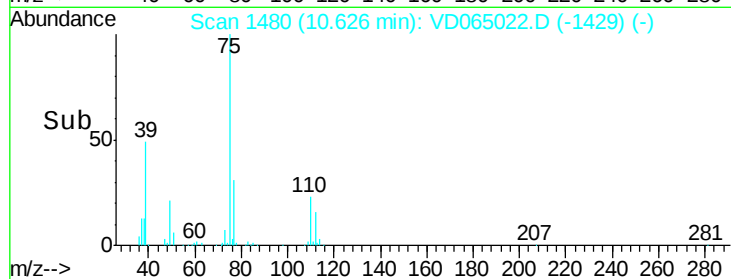
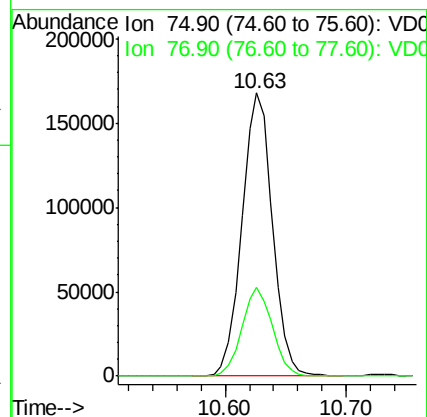
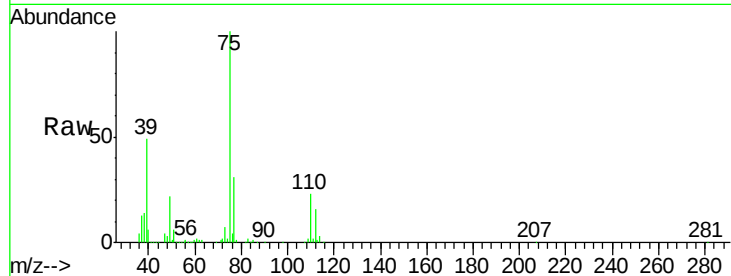
75 100

77 31.4 25.0 37.6

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#54

cis-1,3-Dichloropropene

Concen: 54.496 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

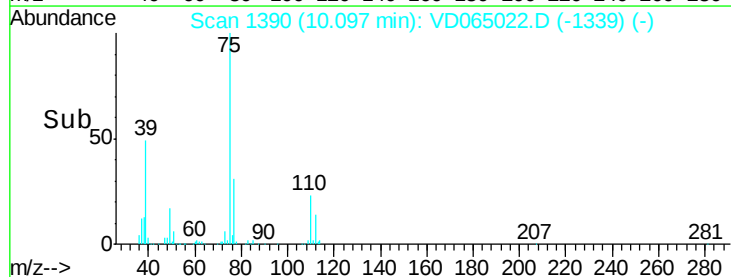
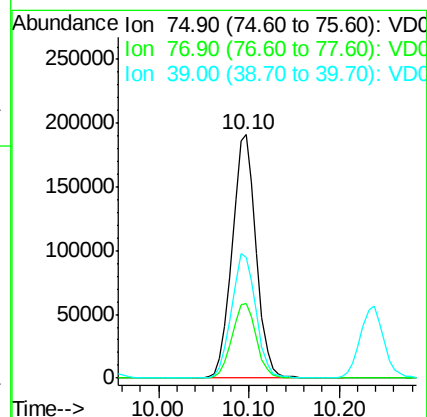
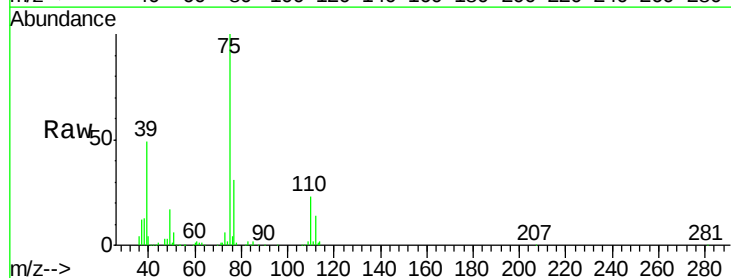
Tgt Ion: 75 Resp: 351066

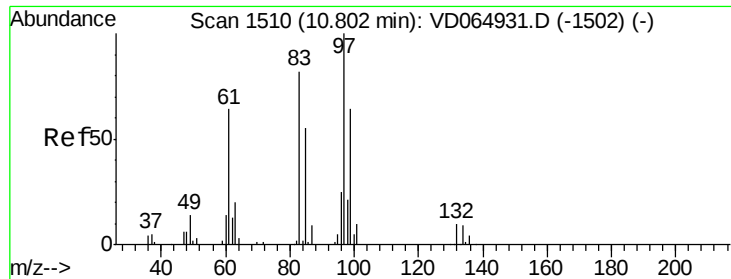
Ion Ratio Lower Upper

75 100

77 30.6 25.1 37.7

39 49.4 43.0 64.6





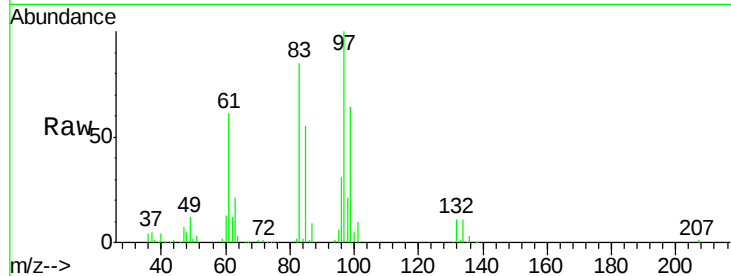
#55
 1,1,2-Trichloroethane
 Concen: 53.316 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD065022.D
 Acq: 30 Jan 2020 19:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

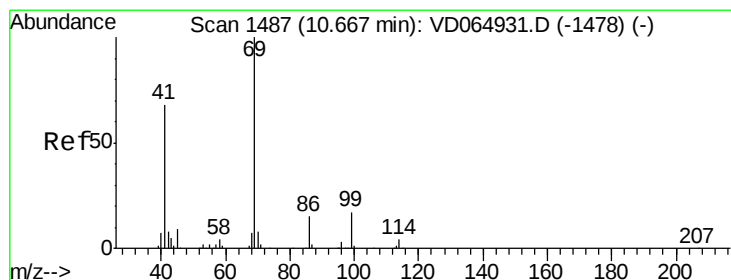
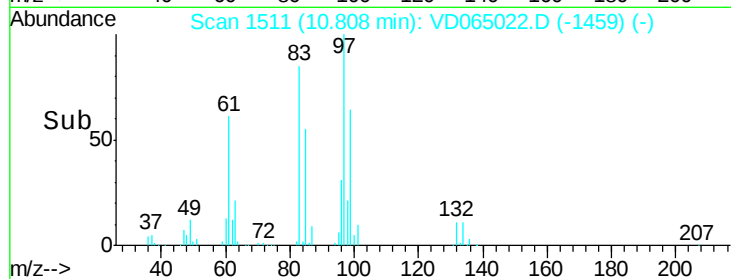
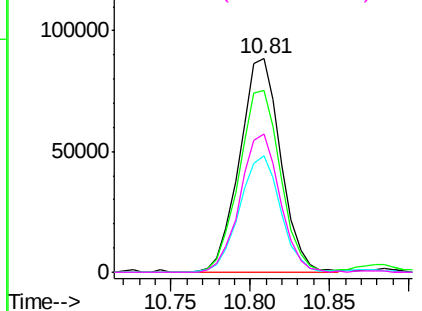
Tot Ion:	97	Resp:	159424
Ion	Ratio	Lower	Upper
97	100		
83	85.1	66.0	99.0
85	54.6	44.4	66.6
99	64.2	51.4	77.0

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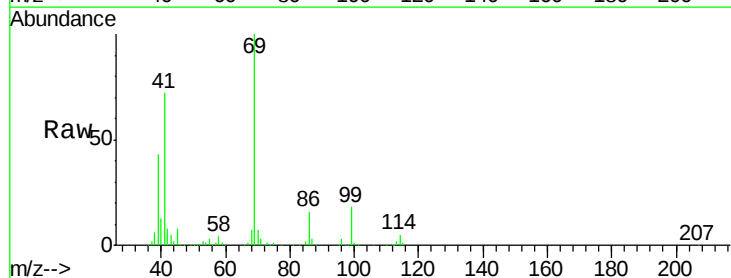


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

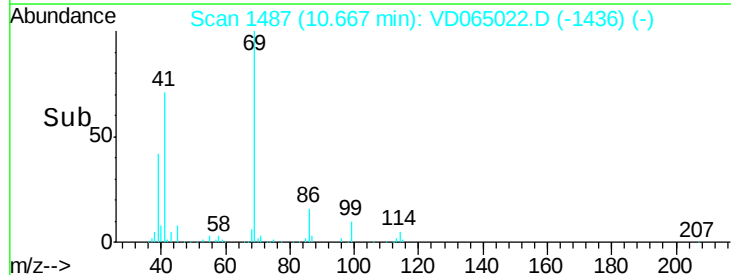
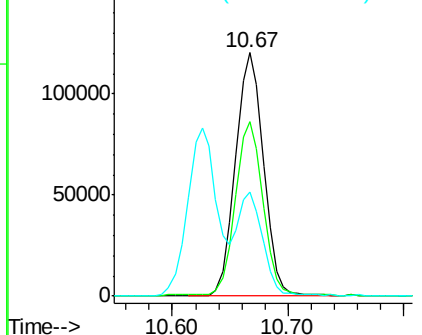


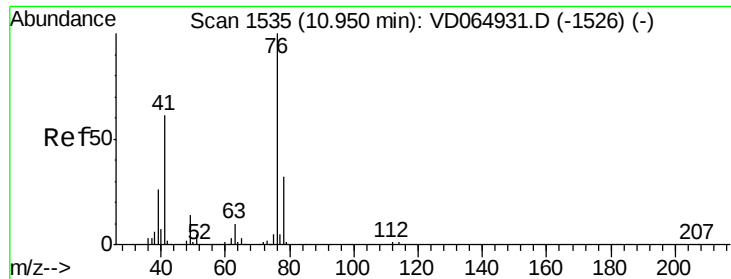
#56
 Ethyl methacrylate
 Concen: 56.714 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065022.D
 Acq: 30 Jan 2020 19:32

Tgt Ion:	69	Resp:	202791
Ion	Ratio	Lower	Upper
69	100		
41	69.7	56.4	84.6
39	37.9	30.6	46.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





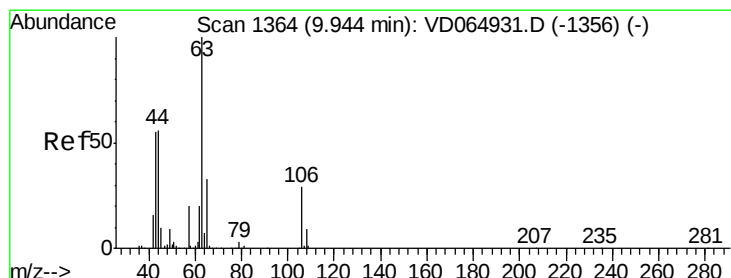
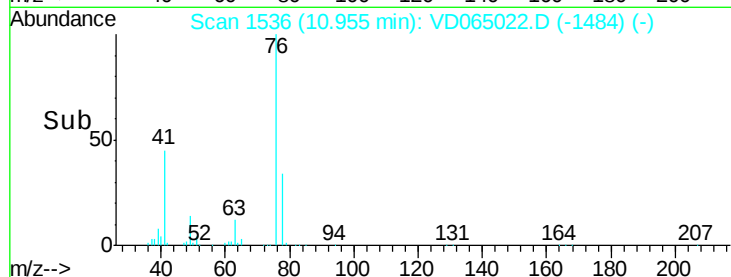
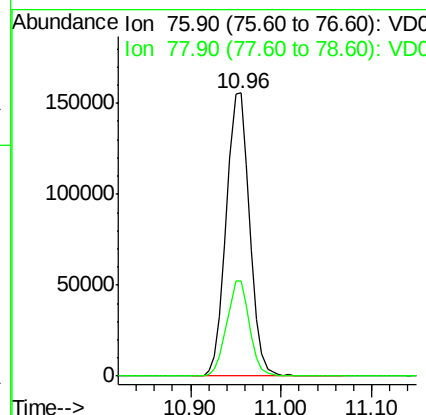
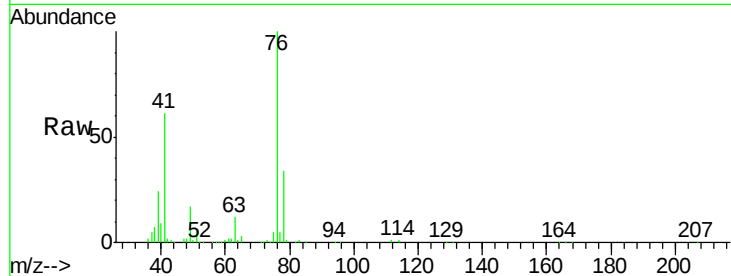
#57
 1,3-Dichloropropane
 Concen: 54.483 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD065022.D
 Acq: 30 Jan 2020 19:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 279422
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.7 38.5

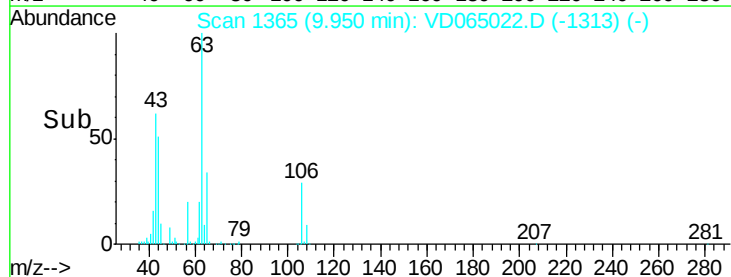
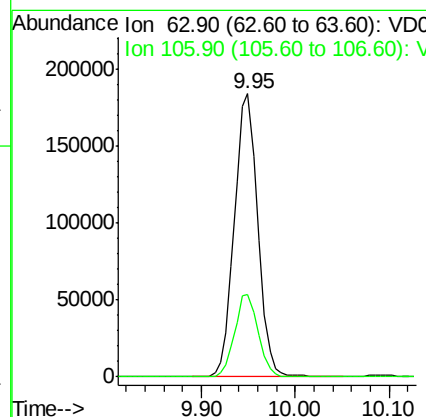
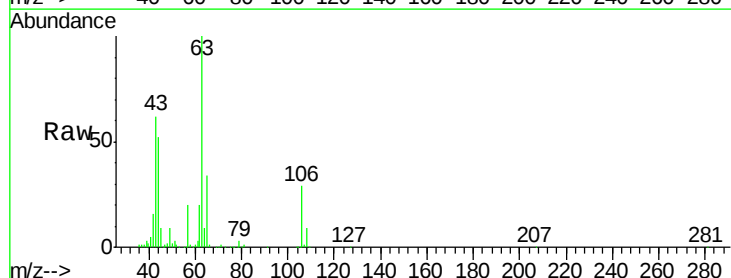
Manual Integrations
 APPROVED

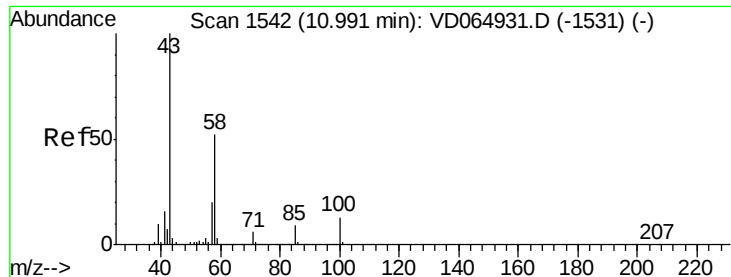
MMDadoda
 1/31/2020 4:25:46 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 268.146 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD065022.D
 Acq: 30 Jan 2020 19:32

Tgt Ion: 63 Resp: 318538
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.0 34.4





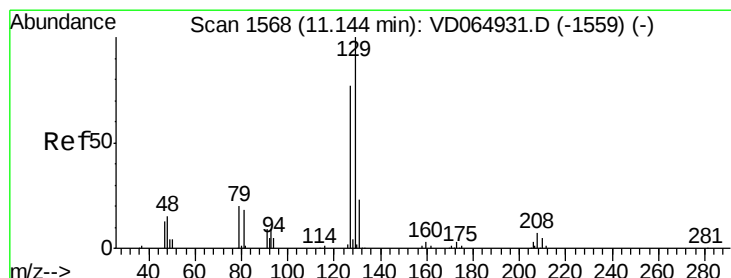
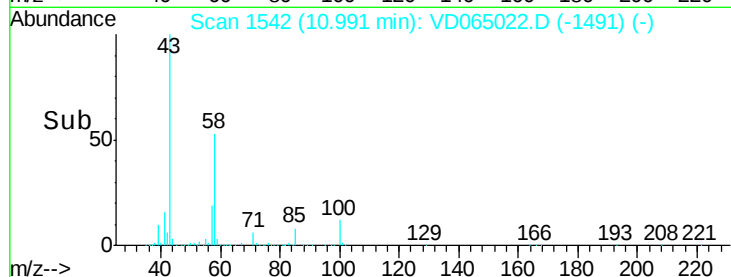
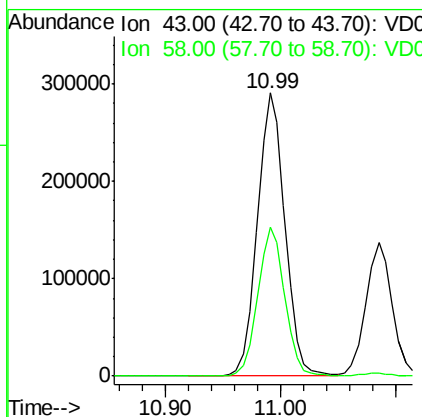
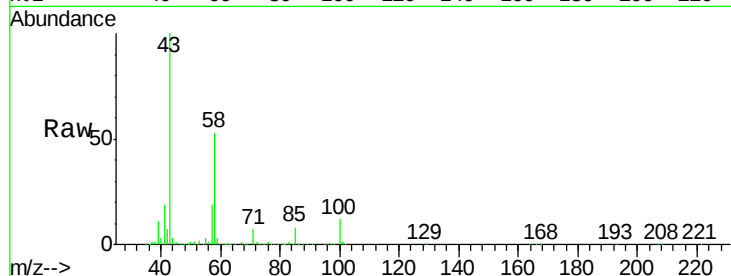
#59
2-Hexanone
Concen: 293.674 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 484306
Ion Ratio Lower Upper
43 100
58 51.5 26.5 79.4

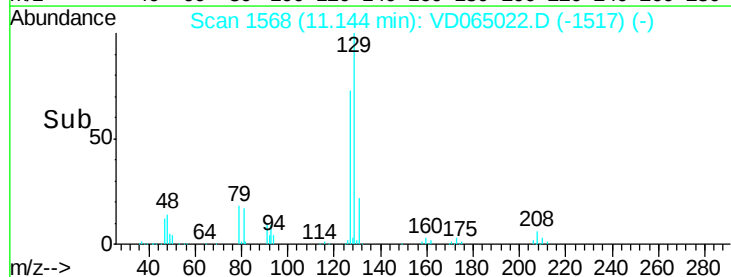
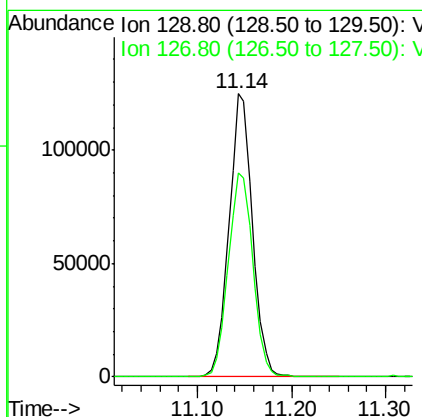
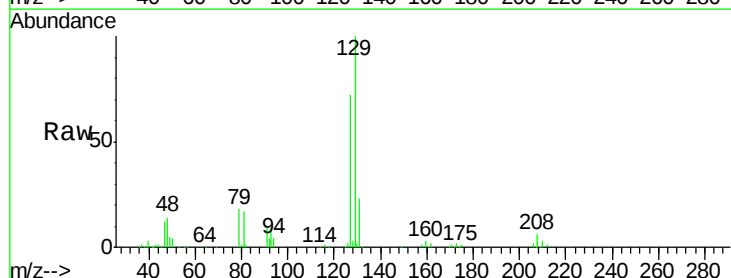
Manual Integrations
APPROVED

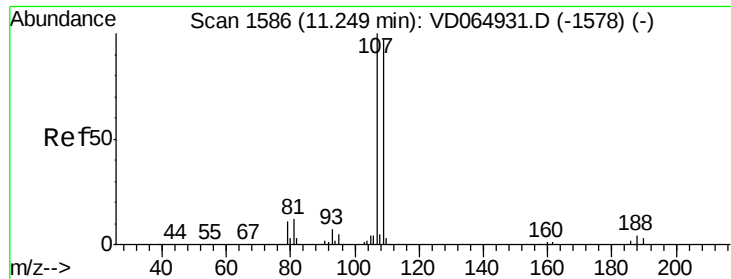
MMDadoda
1/31/2020 4:25:46 PM



#60
Dibromochloromethane
Concen: 54.003 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Tgt Ion: 129 Resp: 215824
Ion Ratio Lower Upper
129 100
127 76.0 38.2 114.6





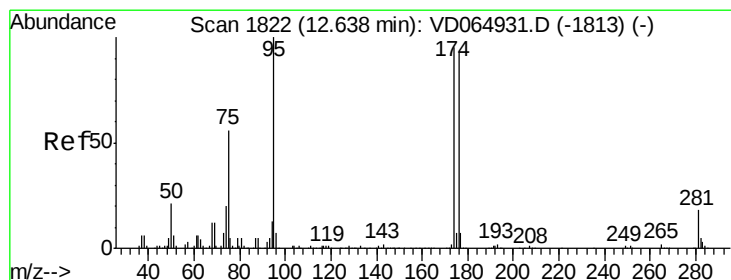
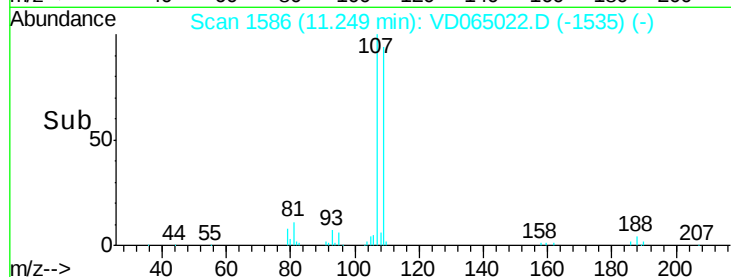
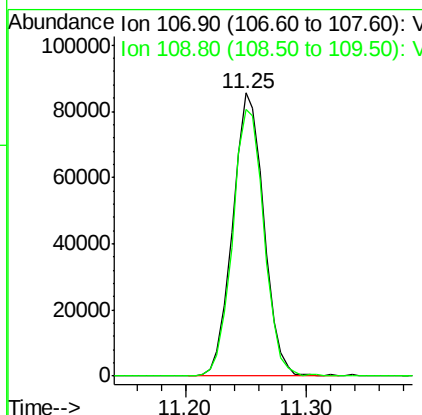
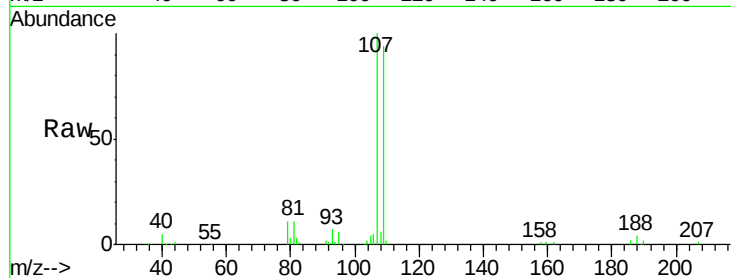
#61
 1,2-Dibromoethane
 Concen: 53.517 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065022.D
 Acq: 30 Jan 2020 19:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	77.1	115.7

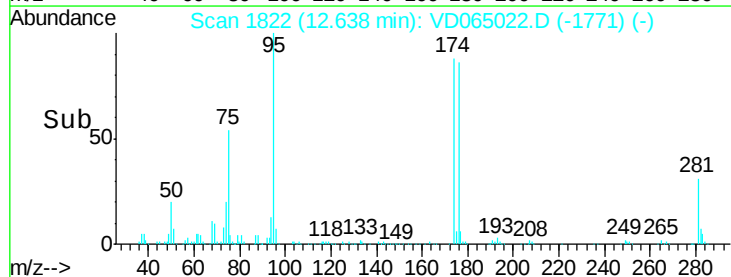
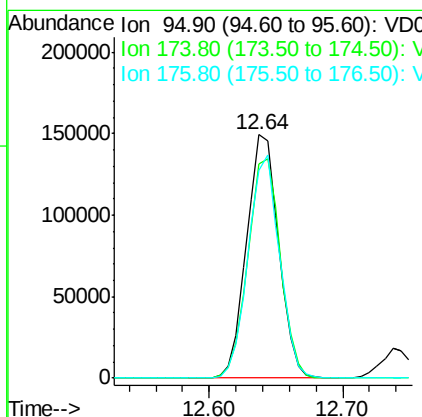
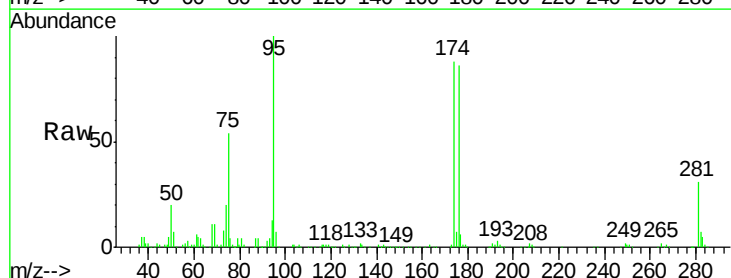
Manual Integrations
 APPROVED

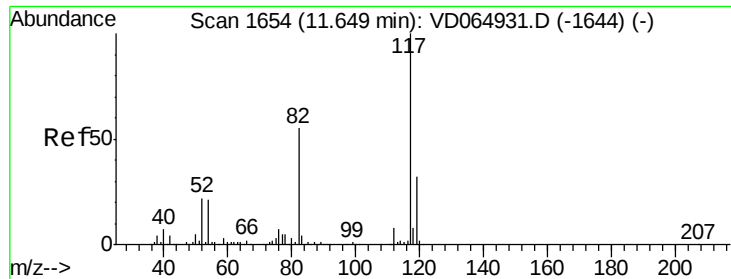
MMDadoda
 1/31/2020 4:25:46 PM



#62
 4-Bromofluorobenzene
 Concen: 52.677 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065022.D
 Acq: 30 Jan 2020 19:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.5	0.0	186.8
176	89.7	0.0	183.4





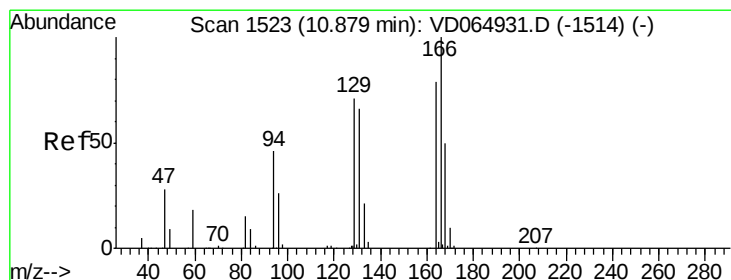
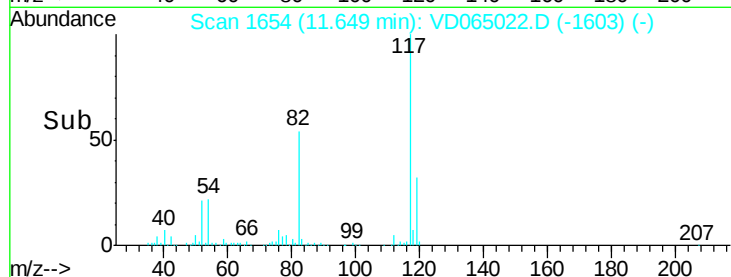
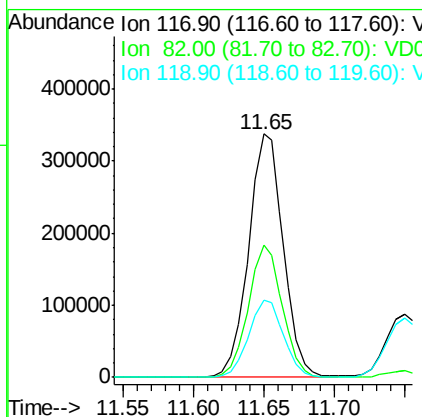
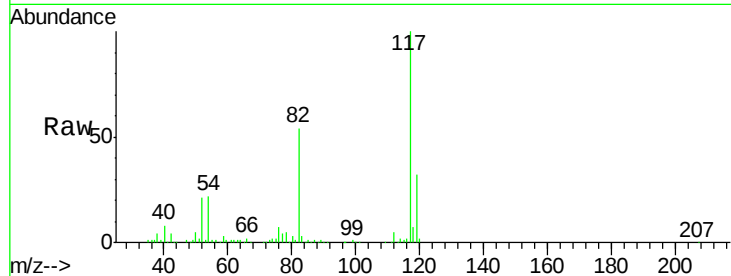
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	581835		
82	54.4		43.6	65.4
119	31.8		25.2	37.8

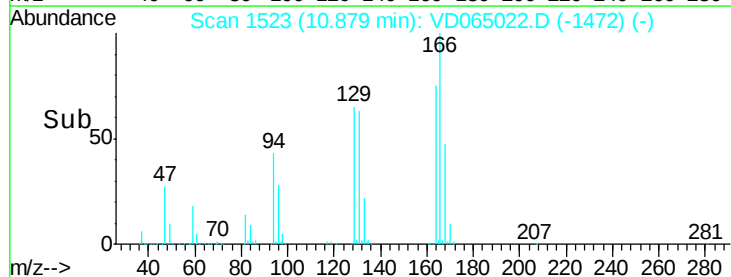
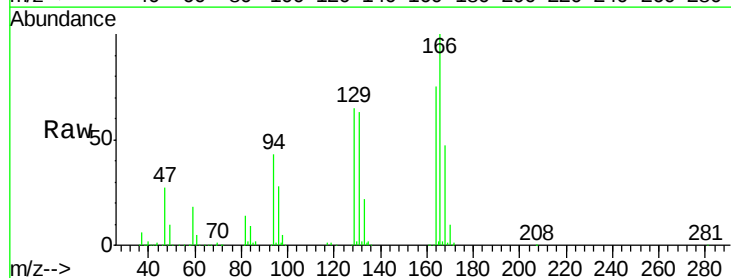
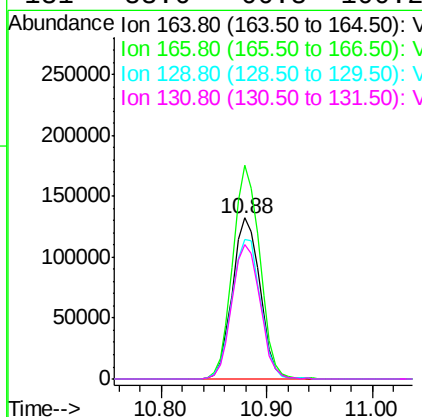
Manual Integrations
APPROVED

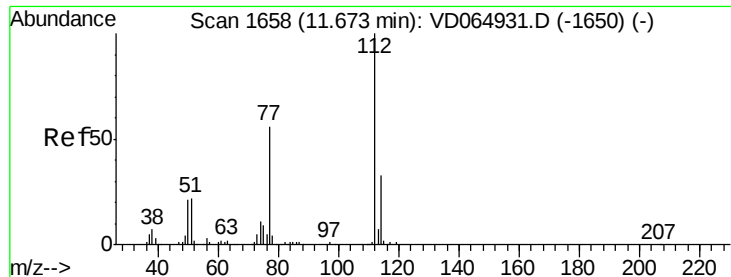
MMDadoda
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#64
Tetrachloroethene
Concen: 56.929 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	239359		
166	132.9		101.4	152.2
129	86.7		71.8	107.8
131	83.6		66.8	100.2





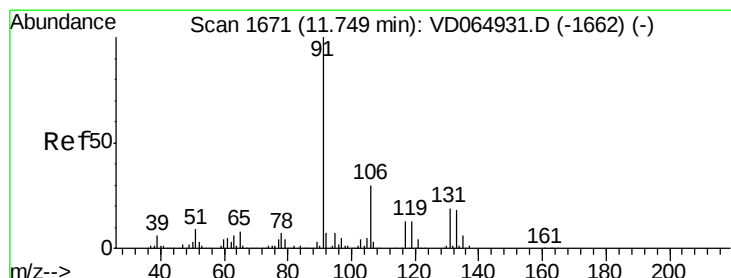
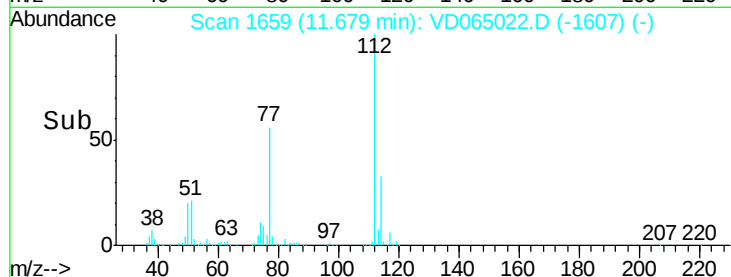
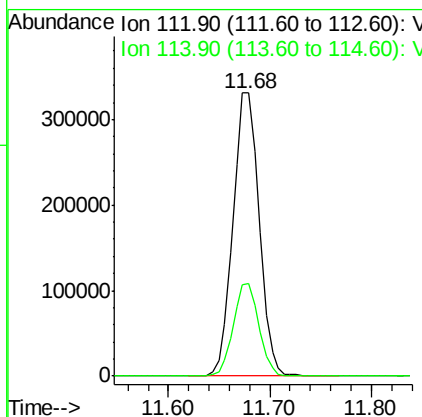
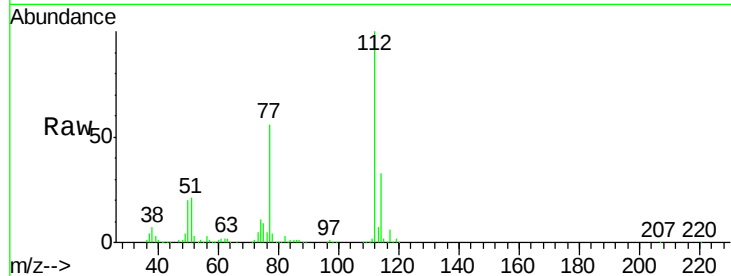
#65
Chlorobenzene
Concen: 50.343 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 594727
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.4

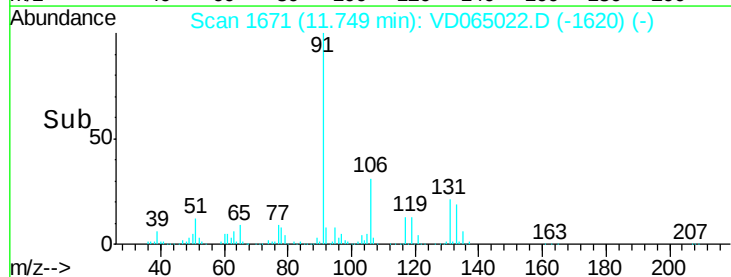
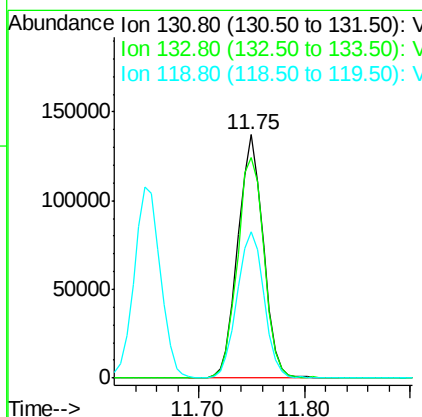
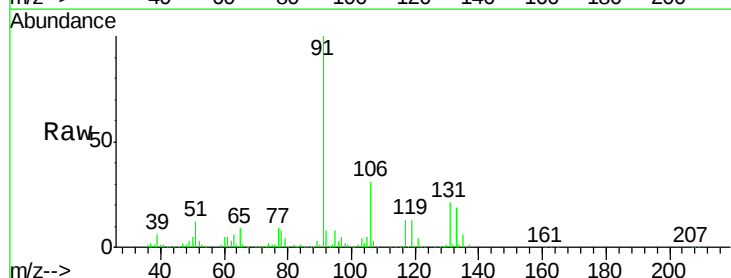
Manual Integrations
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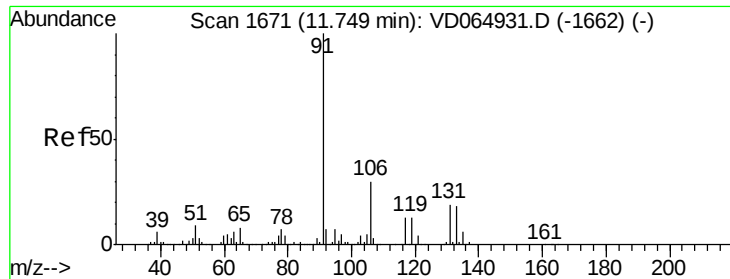
MMDadoda
1/31/2020 4:25:46 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.374 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Tgt Ion:131 Resp: 228247
Ion Ratio Lower Upper
131 100
133 95.0 47.5 142.5
119 63.8 31.1 93.5





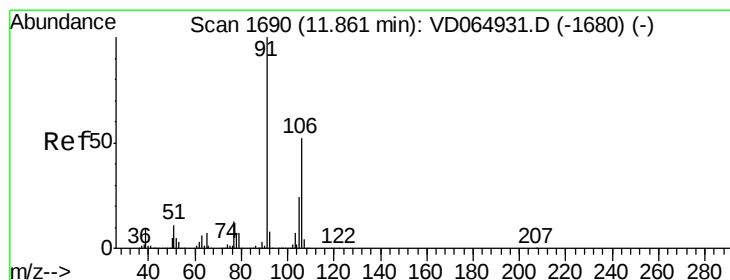
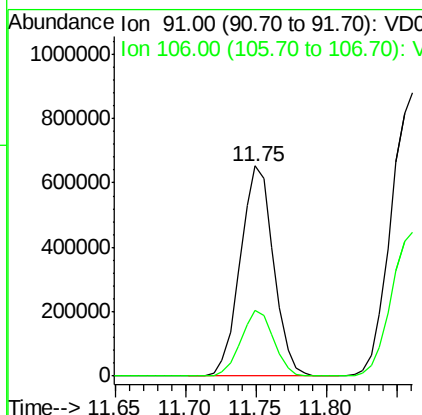
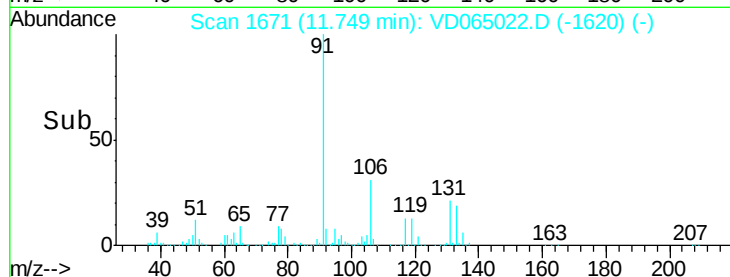
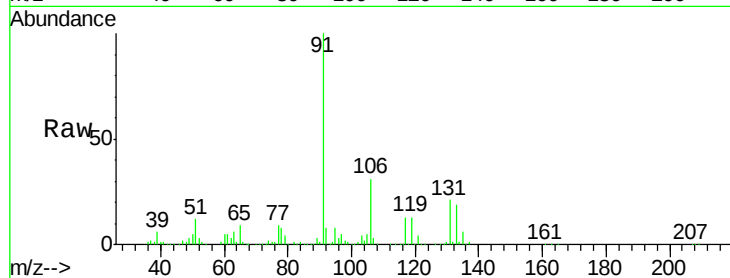
#67
Ethyl Benzene
Concen: 51.399 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1077982
Ion Ratio Lower Upper
91 100
106 31.4 24.3 36.5

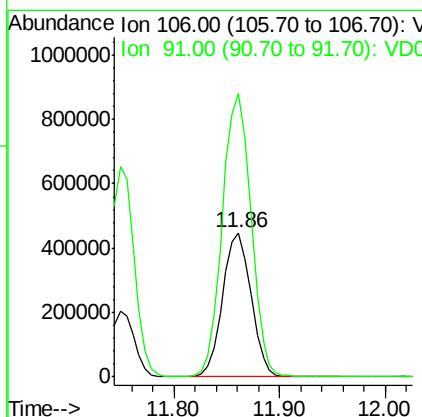
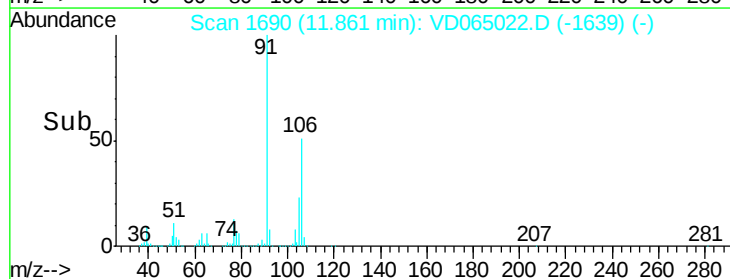
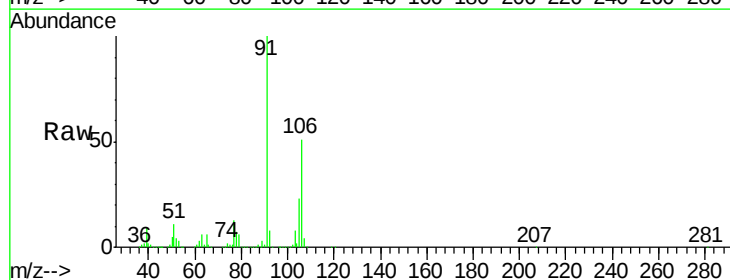
Manual Integrations
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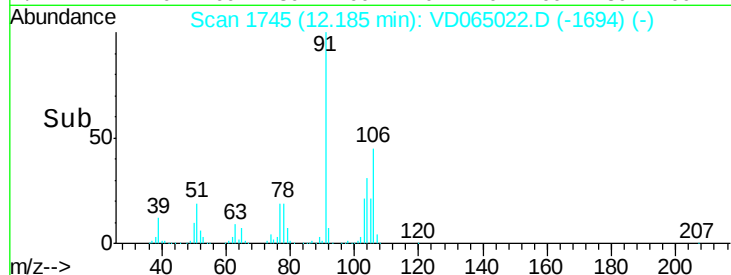
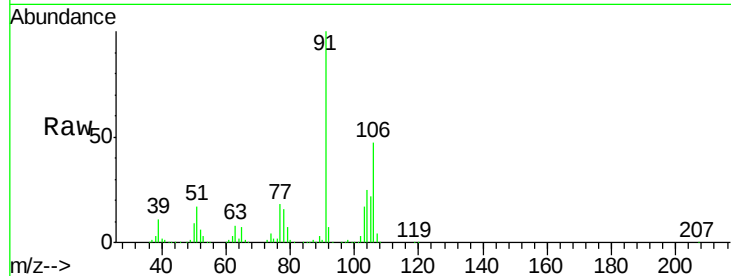
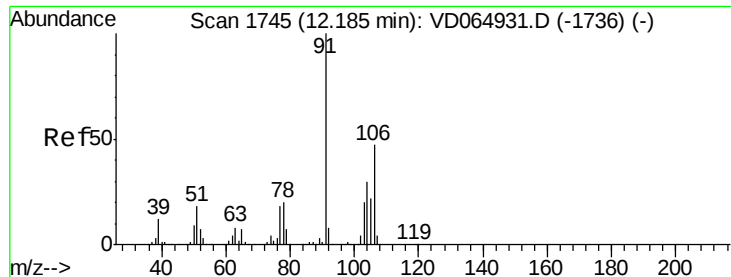
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#68
m/p-Xylenes
Concen: 103.381 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Tgt Ion: 106 Resp: 834801
Ion Ratio Lower Upper
106 100
91 199.3 159.0 238.4





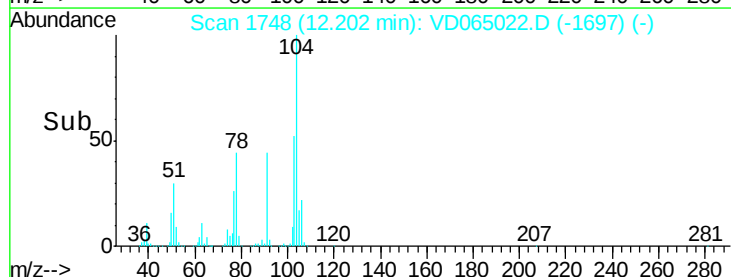
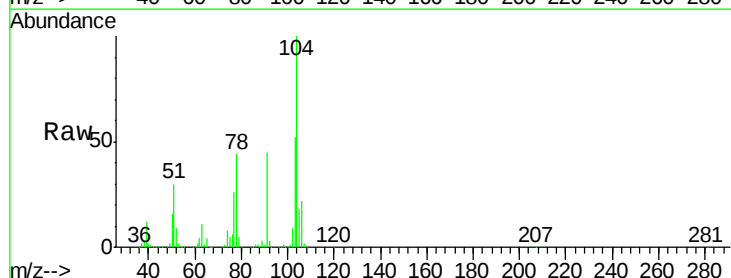
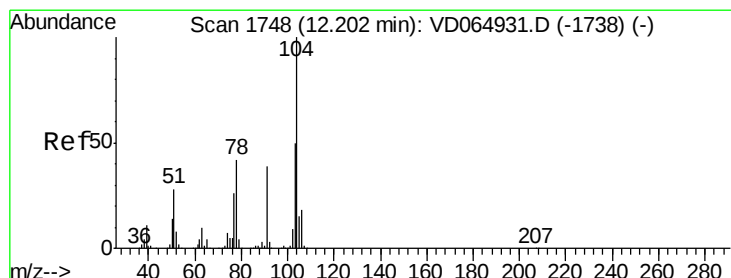
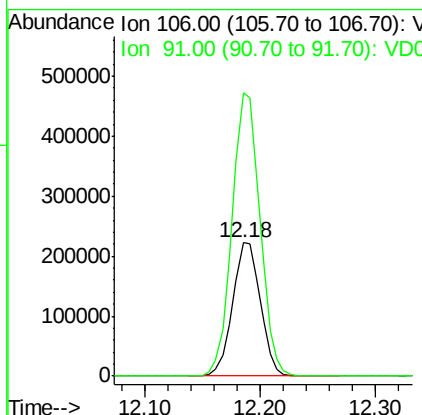
#69
o-Xylene
Concen: 51.666 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Tot Ion:106 Resp: 370272
Ion Ratio Lower Upper
106 100
91 214.0 106.7 319.9

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

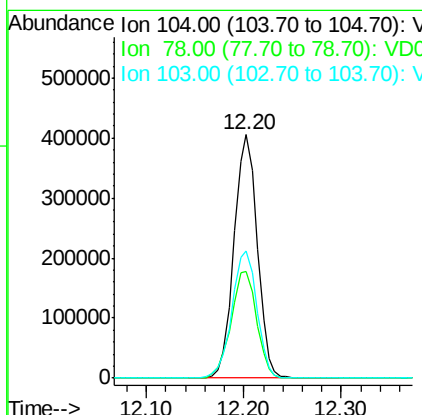
Manual Integrations
APPROVED

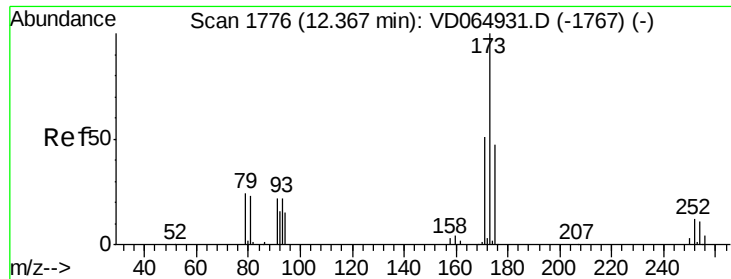
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#70
Styrene
Concen: 52.574 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Tgt Ion:104 Resp: 671176
Ion Ratio Lower Upper
104 100
78 48.6 38.3 57.5
103 56.4 43.5 65.3





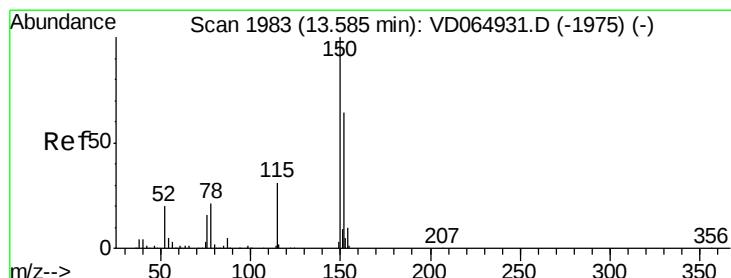
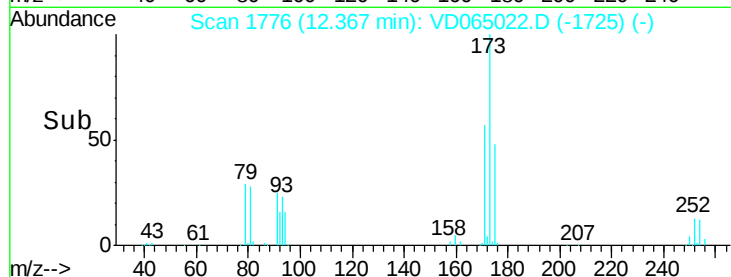
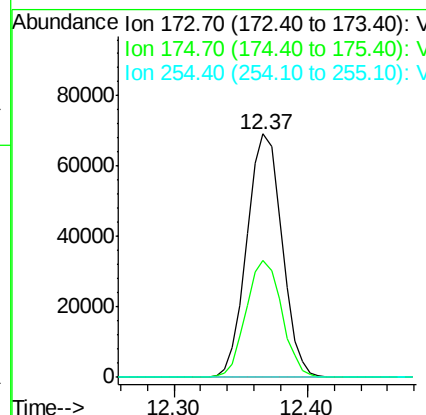
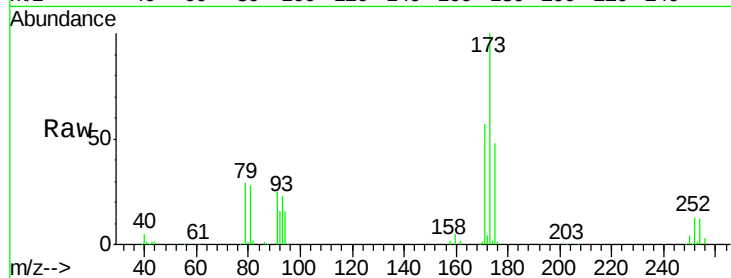
#71
Bromoform
Concen: 50.953 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	73.8
254	0.1	0.1	0.1#

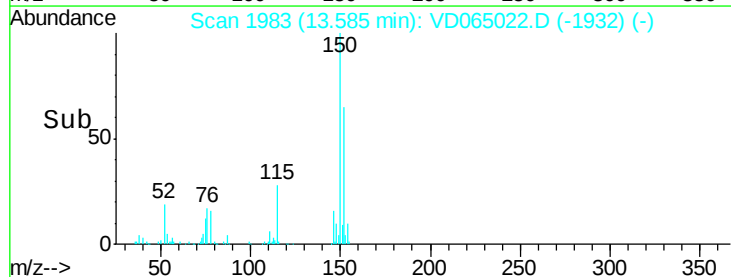
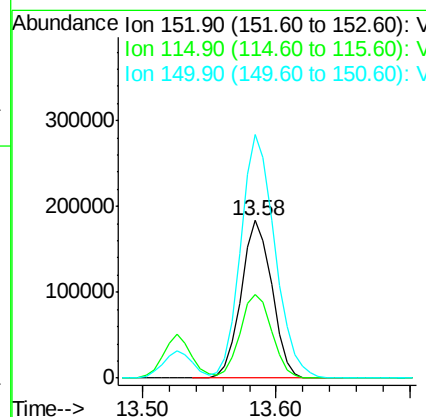
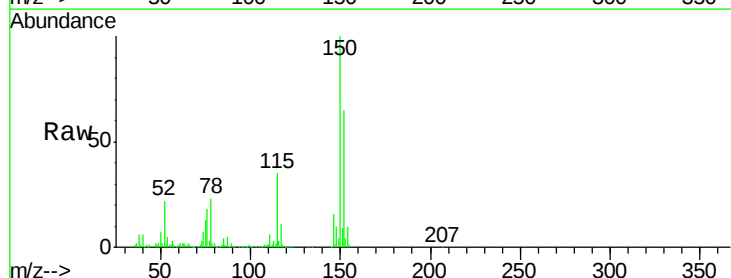
Manual Integrations
APPROVED

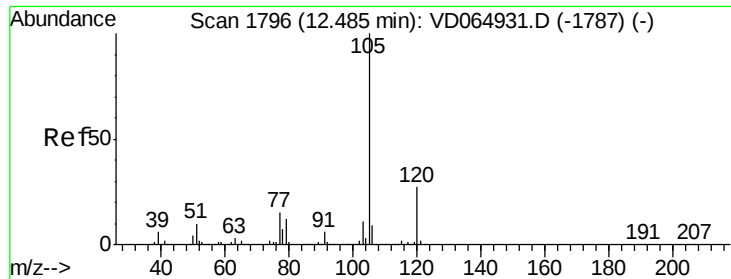
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	28.1	84.4
150	171.1	0.0	350.4





#73

Isopropylbenzene

Concen: 49.695 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 995691

Ion Ratio Lower Upper

105 100

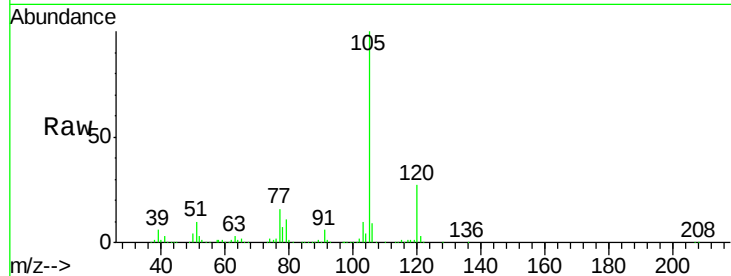
120 26.8 13.3 39.8

Manual Integrations

APPROVED

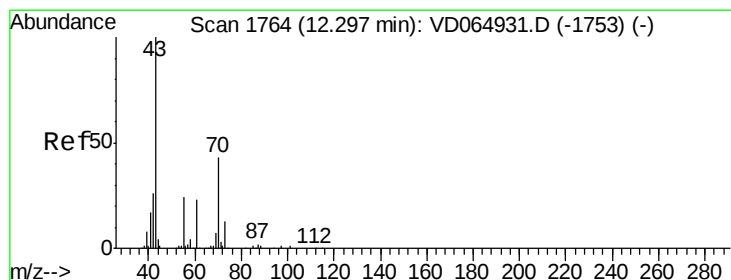
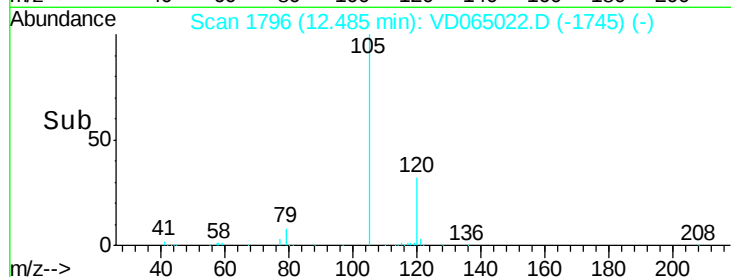
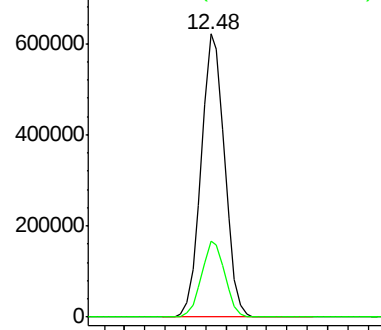
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.699 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Tgt Ion: 43 Resp: 231788

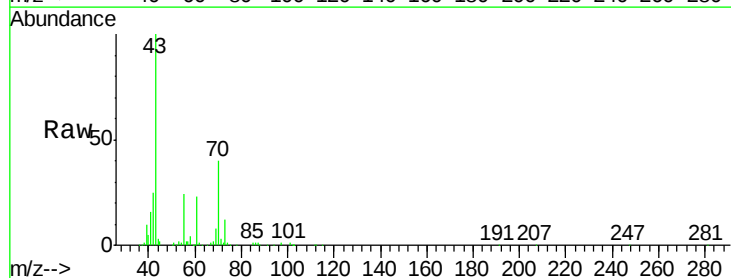
Ion Ratio Lower Upper

43 100

70 41.8 32.6 49.0

55 25.4 19.9 29.9

61 22.9 18.3 27.5

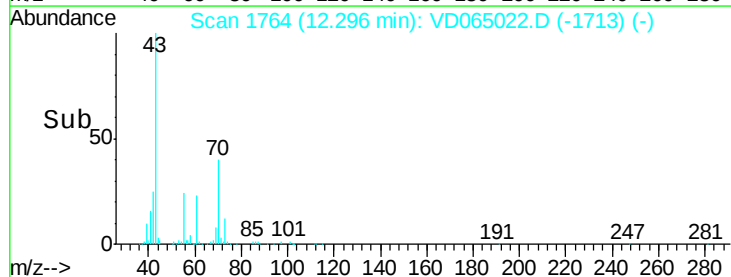
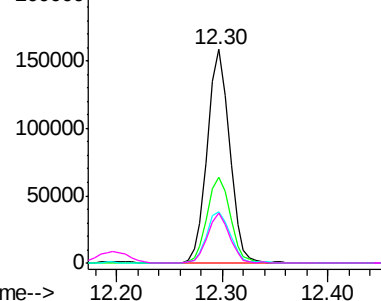


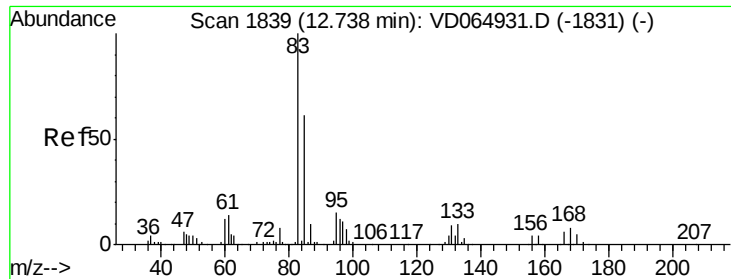
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 50.629 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Instrument :

MSVOA_D

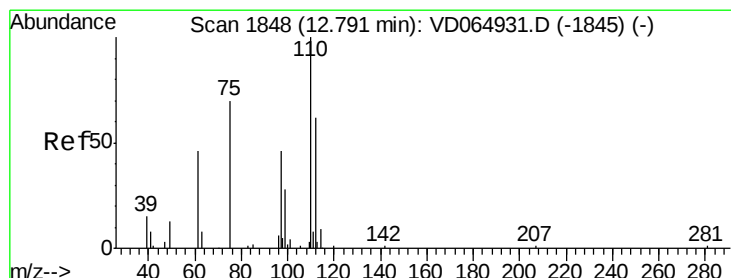
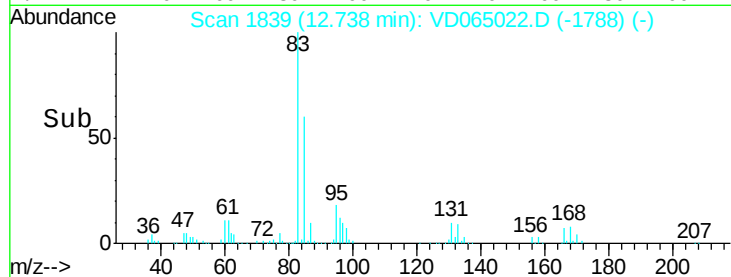
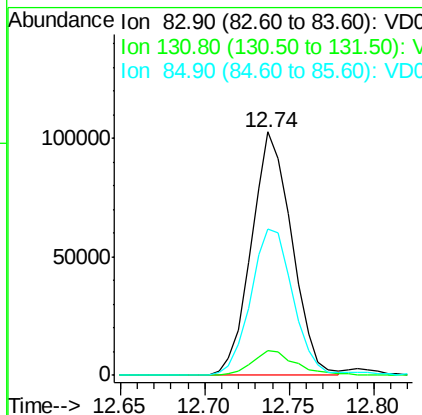
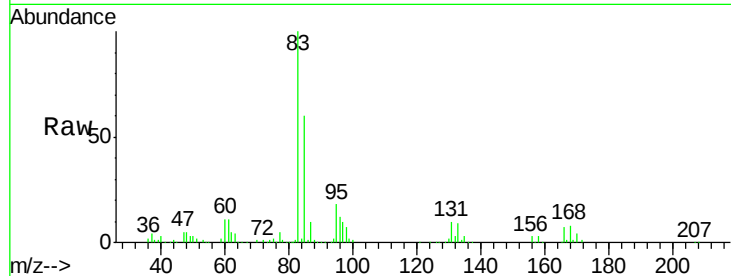
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	170491
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.4
85	62.6	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 50.209 ug/l m

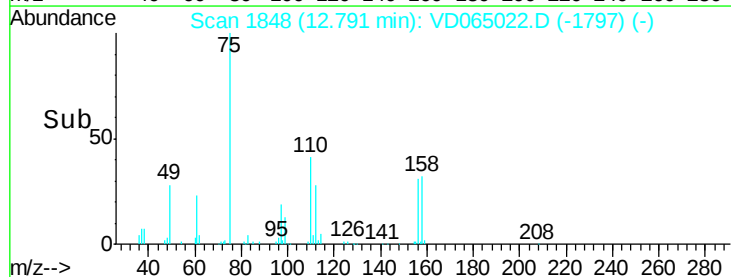
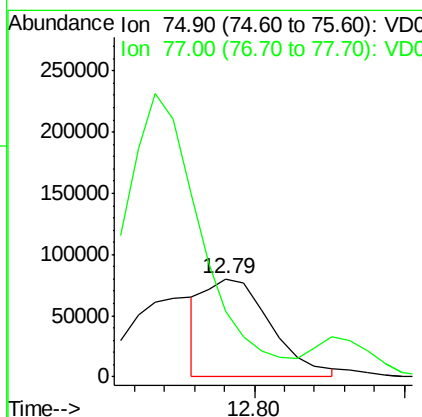
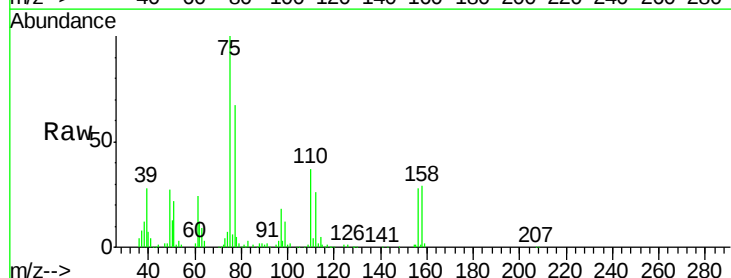
RT: 12.79 min Scan# 1848

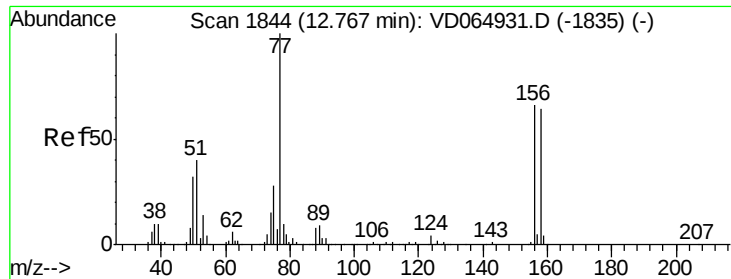
Delta R.T. -0.00 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Tgt Ion:	75	Resp:	122163
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.689 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Instrument :

MSVOA_D

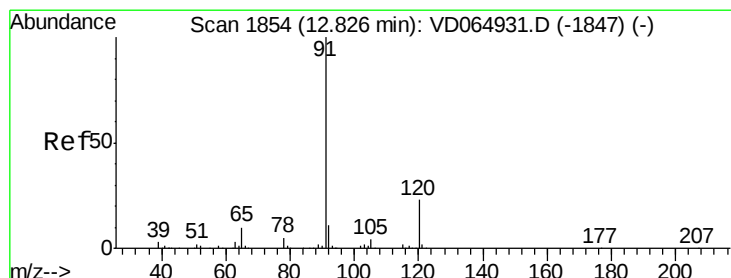
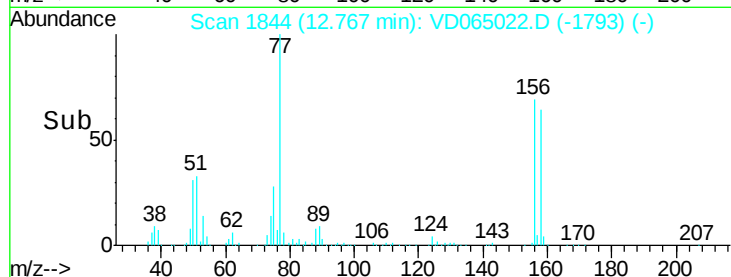
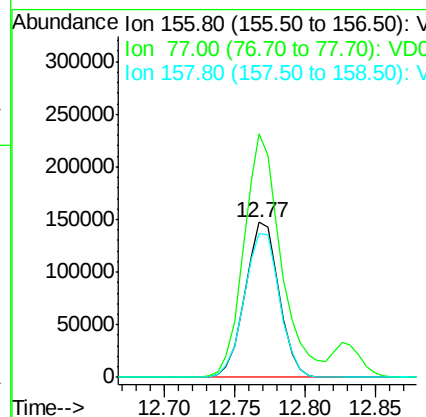
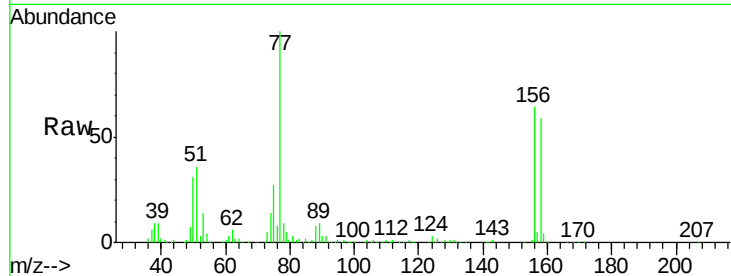
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	248491
Ion Ratio	Lower	Upper	
156	100		
77	171.4	84.2	252.5
158	96.6	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 49.887 ug/l

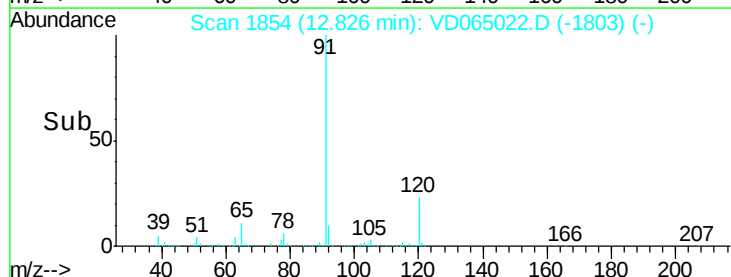
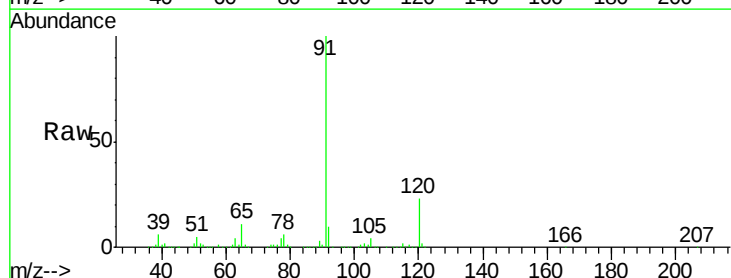
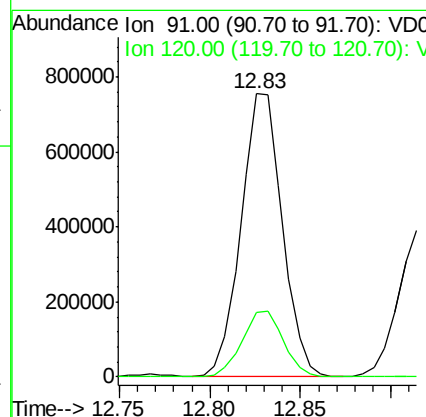
RT: 12.83 min Scan# 1854

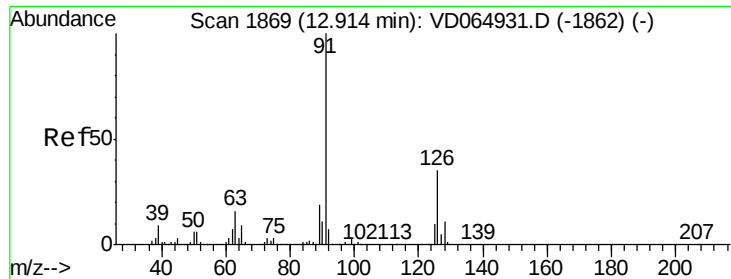
Delta R.T. -0.00 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Tgt Ion:	91	Resp:	1188674
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.7	35.1





#79

2-Chlorotoluene

Concen: 49.917 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 652483

Ion Ratio Lower Upper

91 100

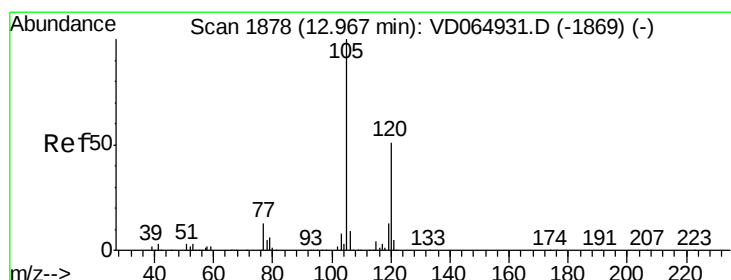
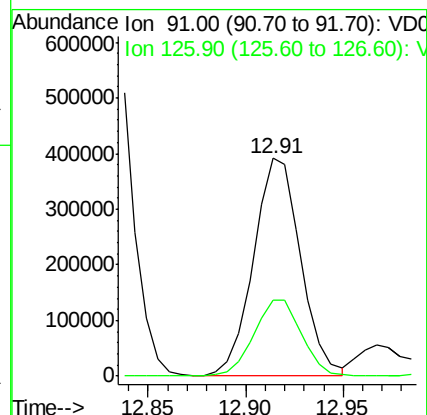
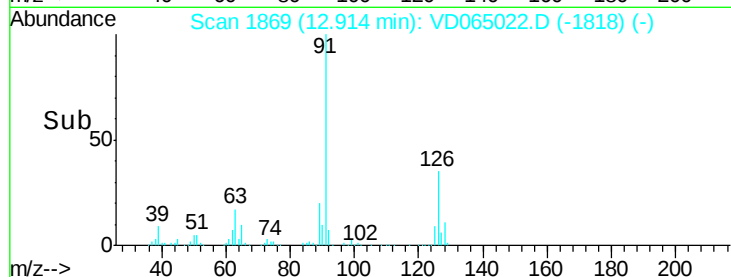
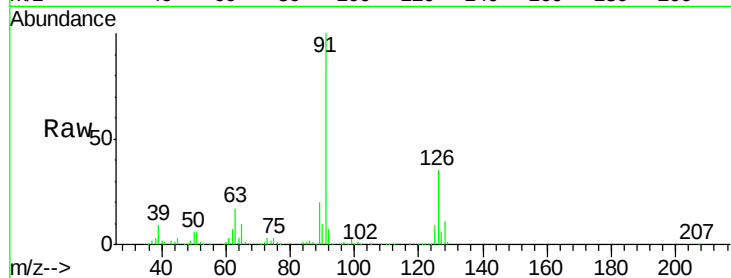
126 35.3 17.9 53.8

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#80

1,3,5-Trimethylbenzene

Concen: 51.236 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065022.D

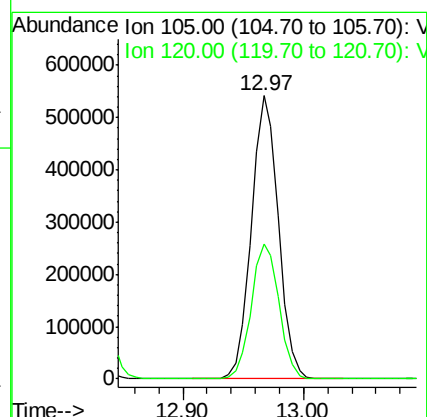
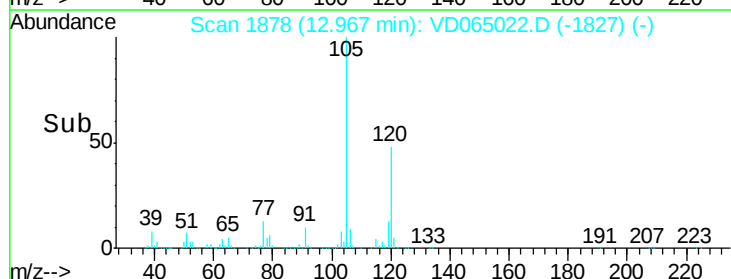
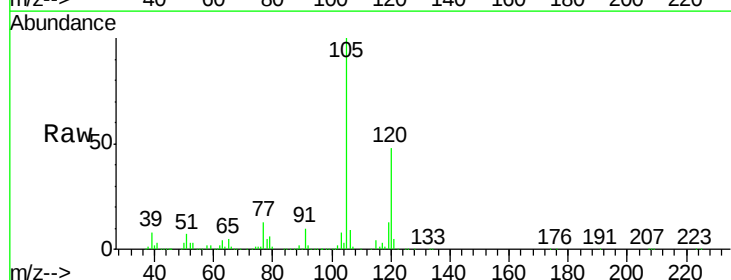
Acq: 30 Jan 2020 19:32

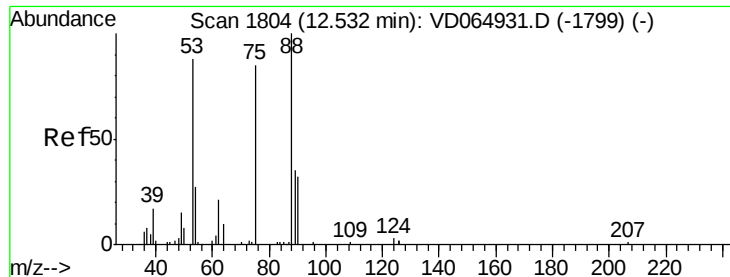
Tgt Ion: 105 Resp: 841254

Ion Ratio Lower Upper

105 100

120 48.9 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 48.715 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Instrument :

MSVOA_D

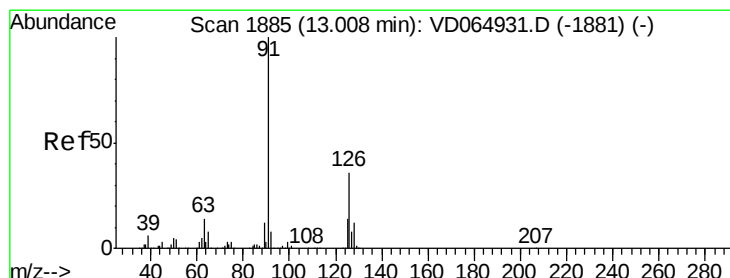
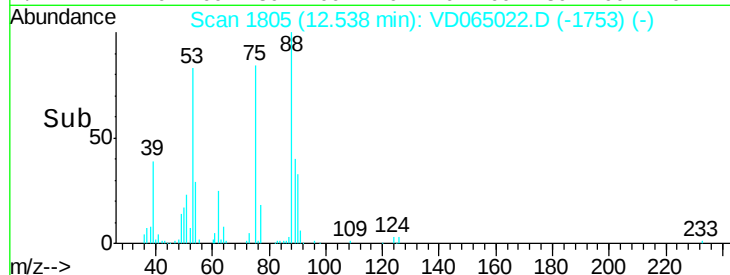
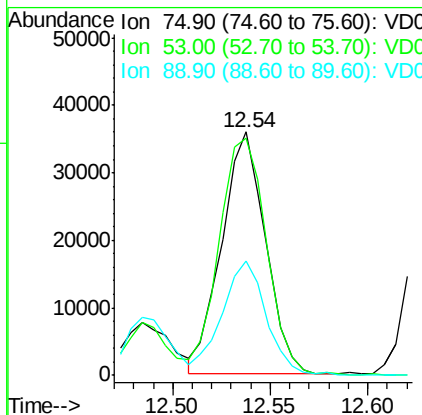
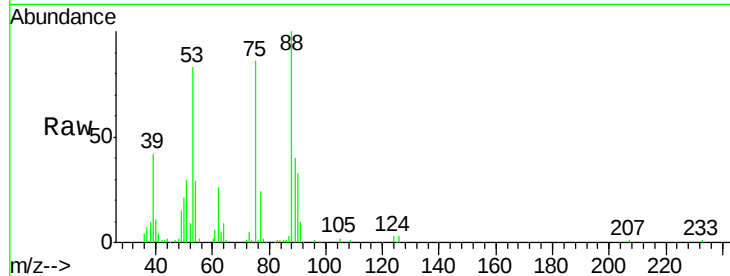
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	55511
Ion	Ratio	Lower	Upper
75	100		
53	106.4	81.0	121.4
89	48.6	36.2	54.4

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#82

4-Chlorotoluene

Concen: 50.441 ug/l

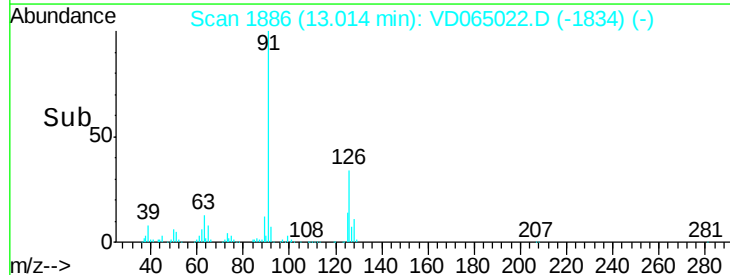
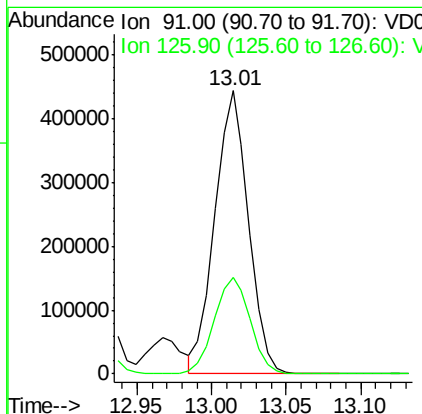
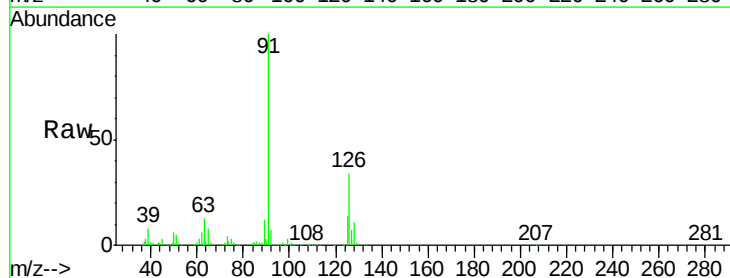
RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Tgt Ion:	91	Resp:	699225
Ion	Ratio	Lower	Upper
91	100		
126	36.4	18.0	54.0





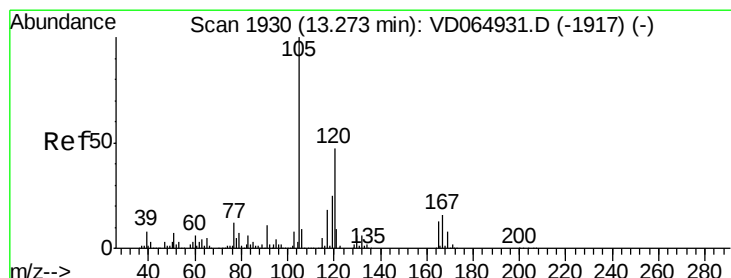
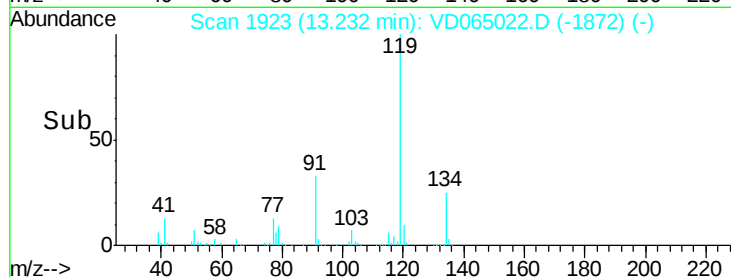
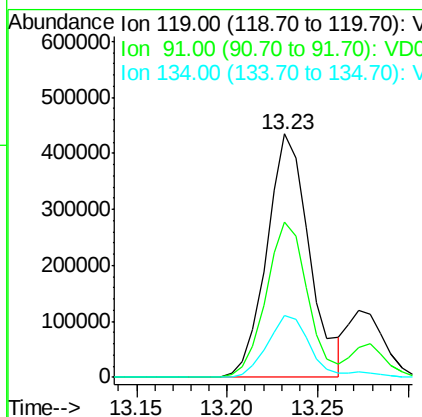
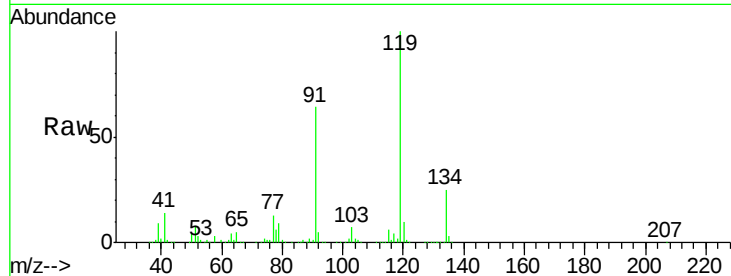
#83
tert-Butylbenzene
Concen: 51.048 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.4	32.0	96.0
134	24.9	13.9	41.6

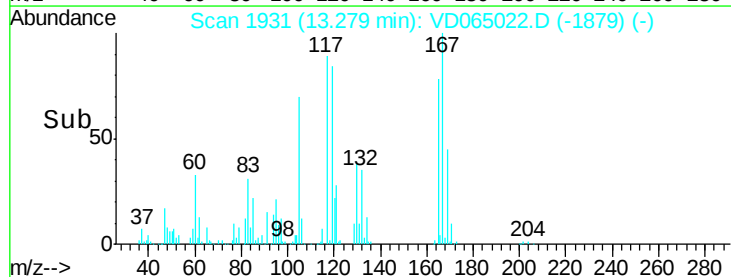
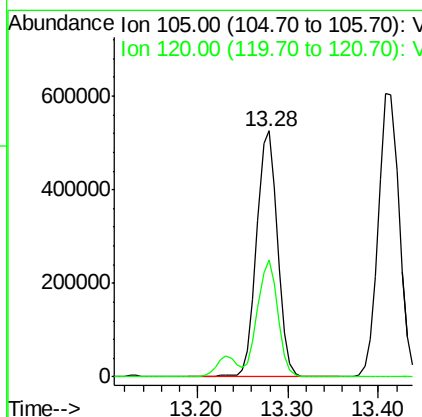
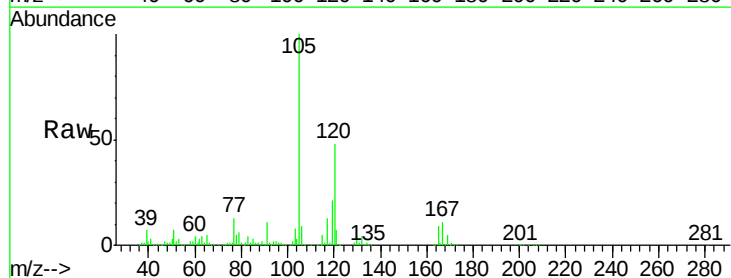
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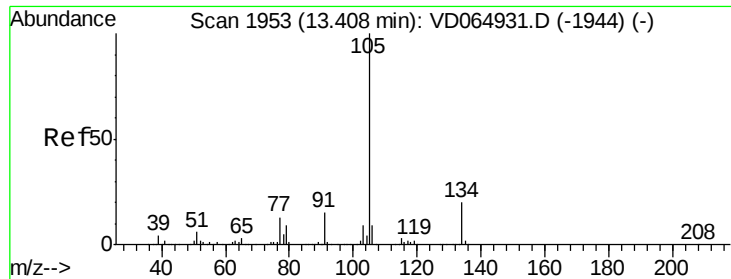
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#84
1,2,4-Trimethylbenzene
Concen: 50.509 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.1	69.3





#85

sec-Butylbenzene

Concen: 48.980 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 966325

Ion Ratio Lower Upper

105 100

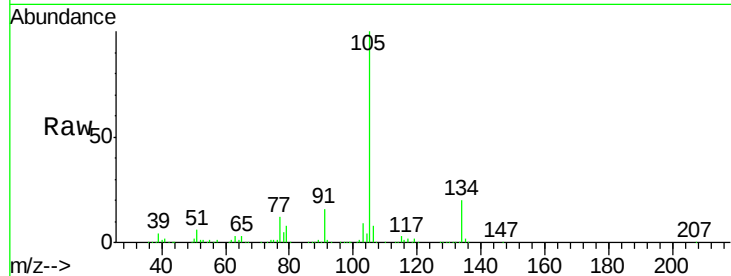
134 20.4 10.4 31.4

Manual Integrations

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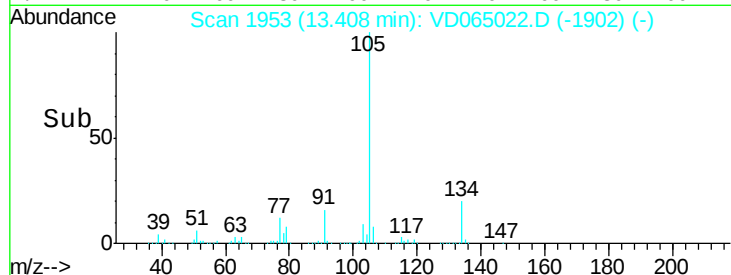
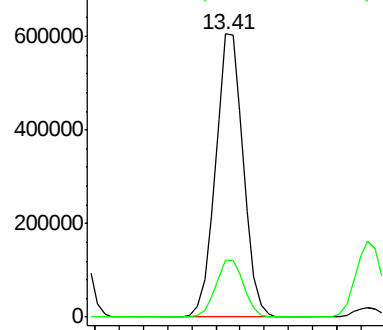
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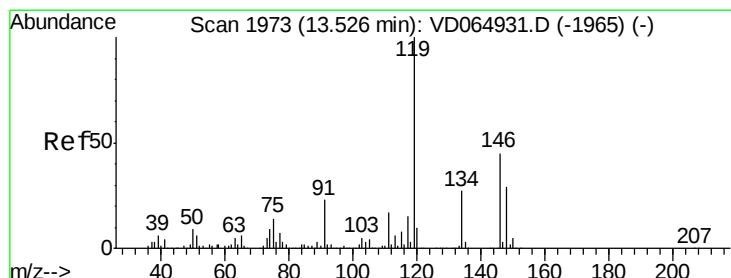


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 50.290 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065022.D

Acq: 30 Jan 2020 19:32

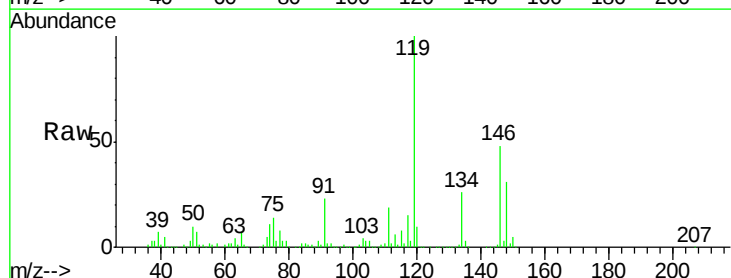
Tgt Ion:119 Resp: 928434

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

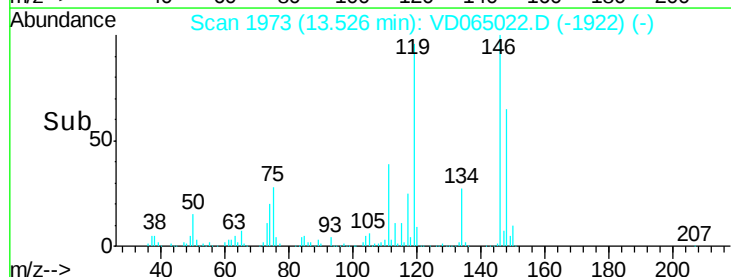
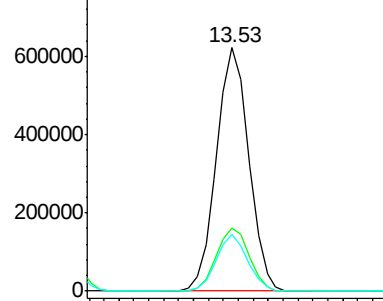
91 22.6 11.4 34.2



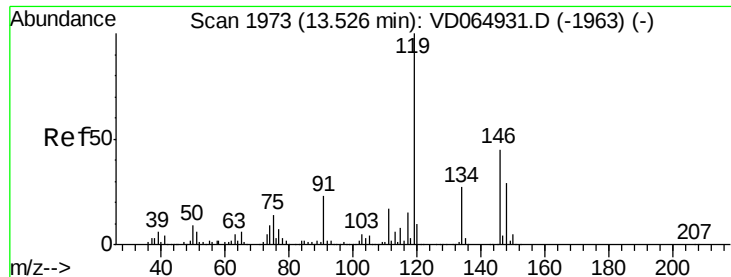
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time--> 13.45 13.50 13.55 13.60



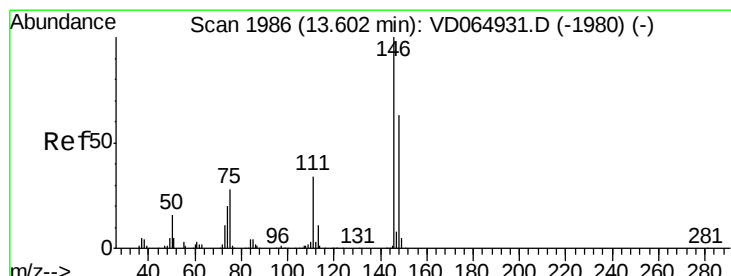
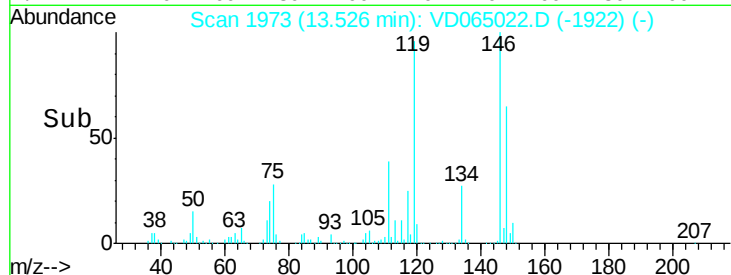
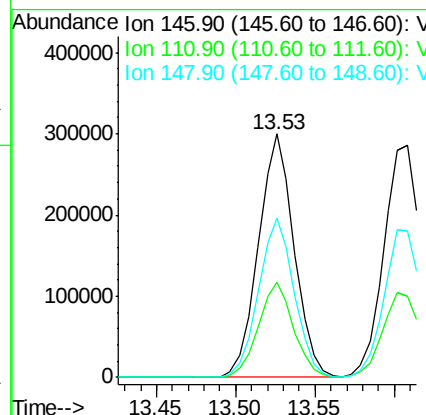
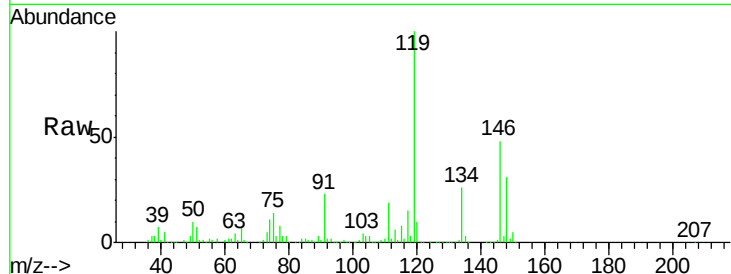
#87
 1,3-Dichlorobenzene
 Concen: 49.773 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065022.D
 Acq: 30 Jan 2020 19:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	468166		
111	38.4	18.9	56.9	
148	65.2	32.6	97.7	

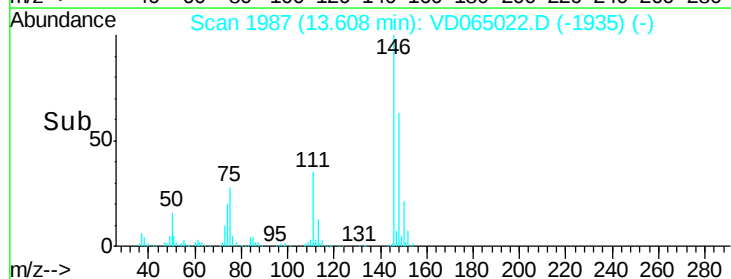
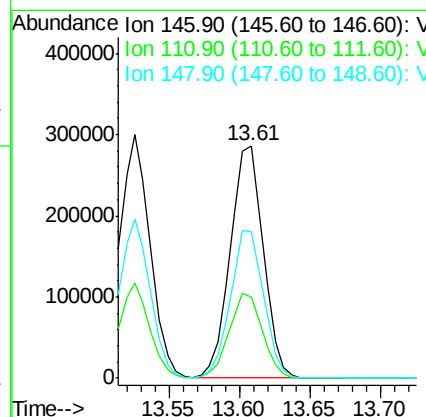
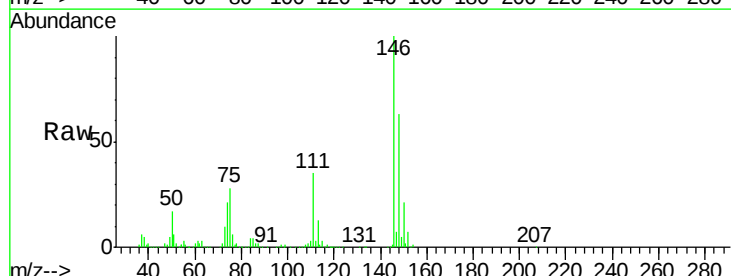
Manual Integrations
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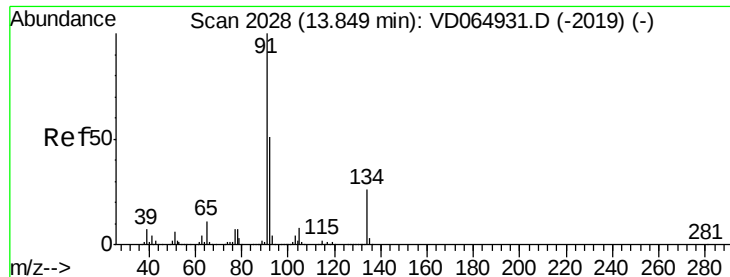
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#88
 1,4-Dichlorobenzene
 Concen: 50.141 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065022.D
 Acq: 30 Jan 2020 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	468092		
111	36.9	18.2	54.6	
148	63.8	32.0	96.0	





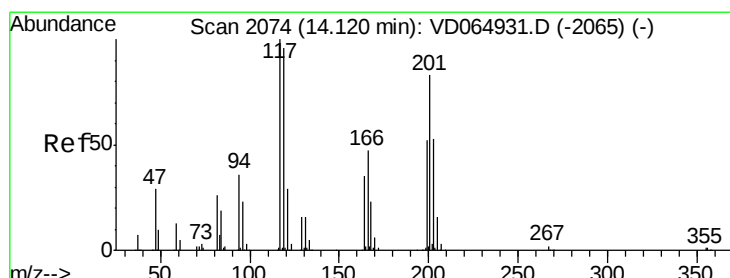
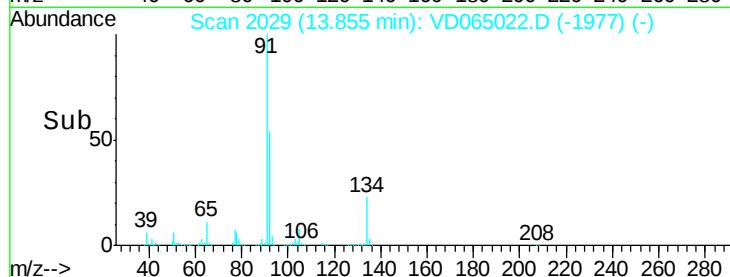
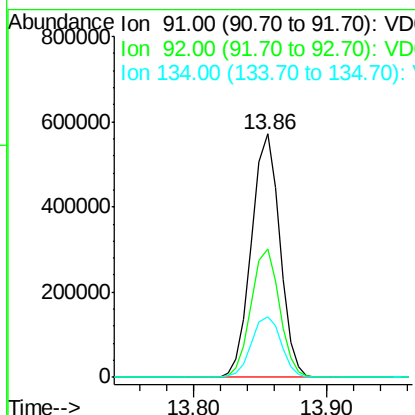
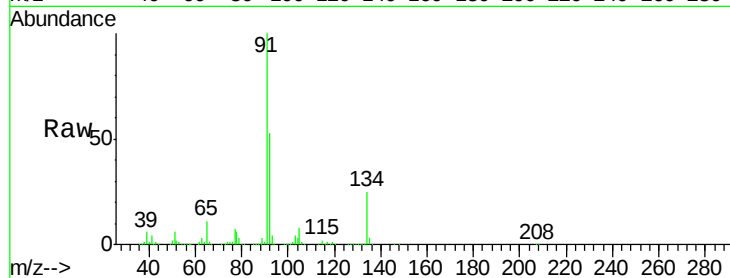
#89
n-Butylbenzene
Concen: 49.787 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.4	79.0
134	26.2	13.3	39.9

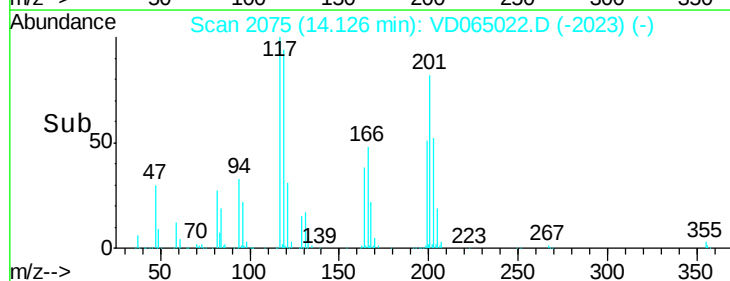
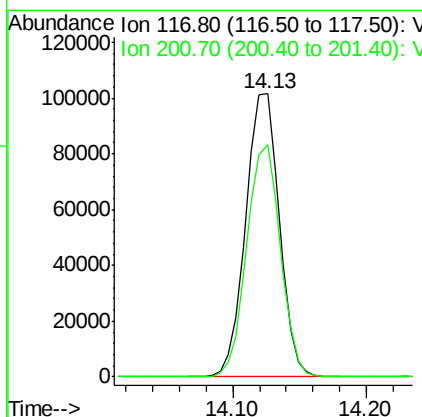
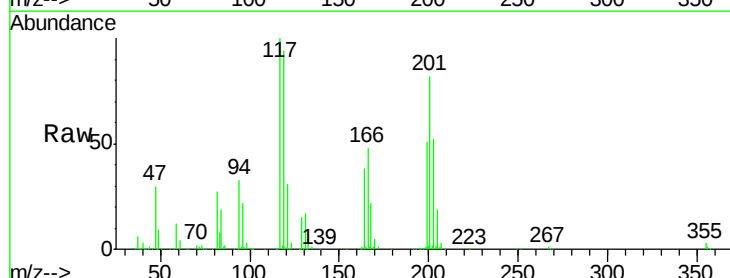
Manual Integrations
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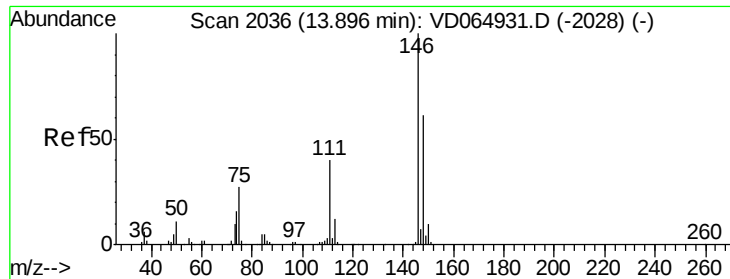
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#90
Hexachloroethane
Concen: 49.642 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.0	41.1	123.3





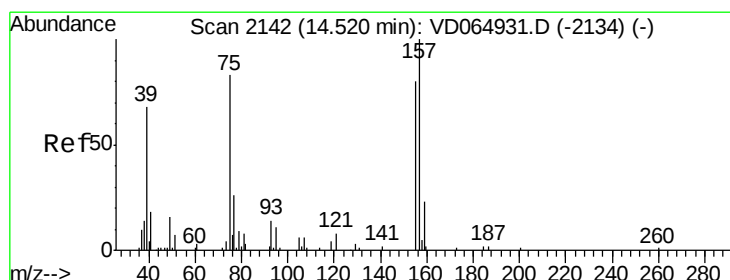
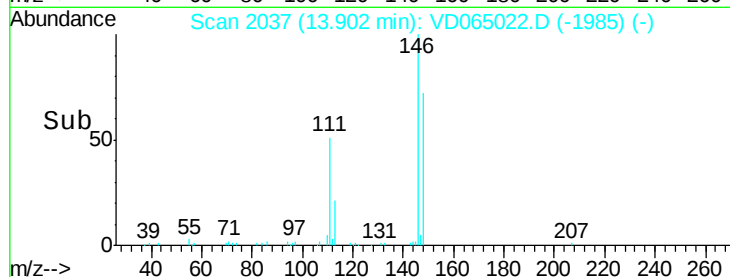
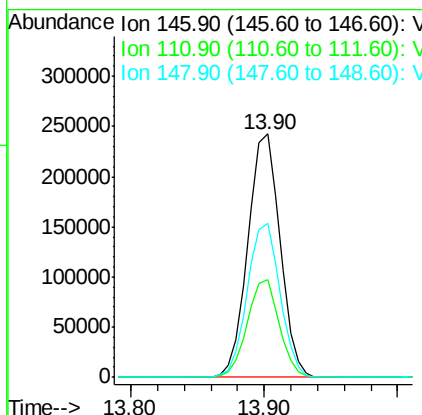
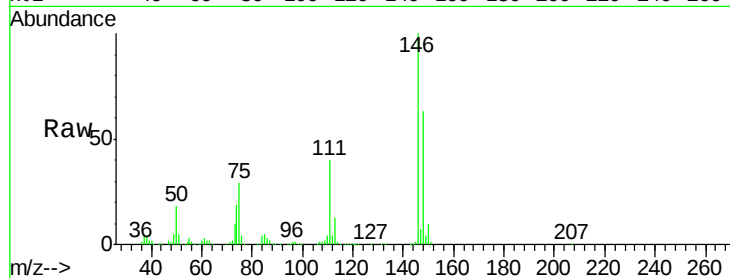
#91
 1,2-Dichlorobenzene
 Concen: 50.507 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD065022.D
 Acq: 30 Jan 2020 19:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.4	58.2
148	64.3	31.6	95.0

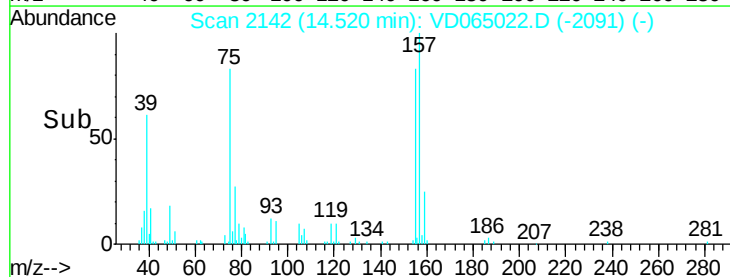
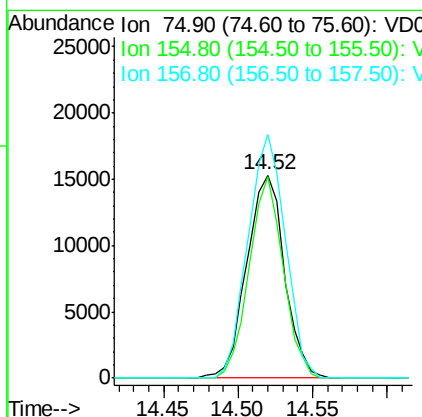
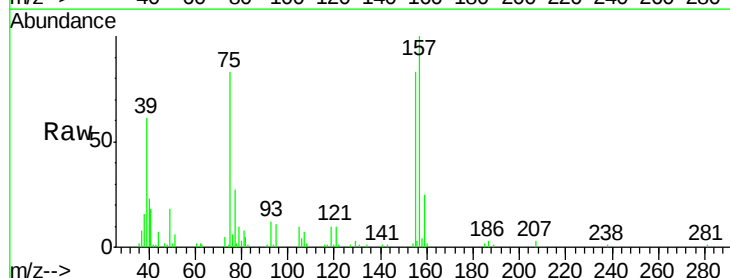
Manual Integrations
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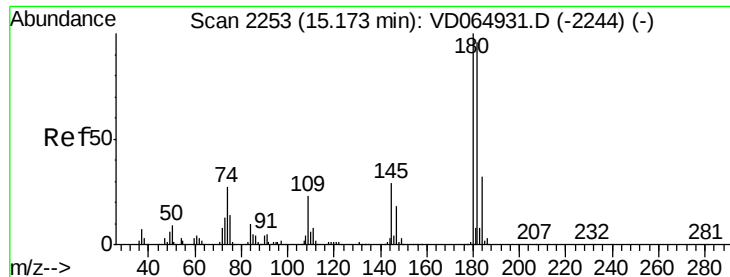
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.735 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065022.D
 Acq: 30 Jan 2020 19:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.1	44.9	134.7
157	118.2	58.9	176.6





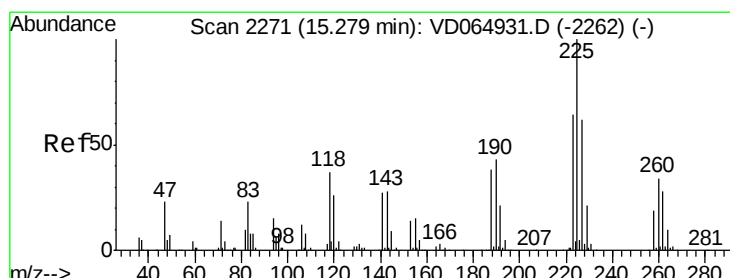
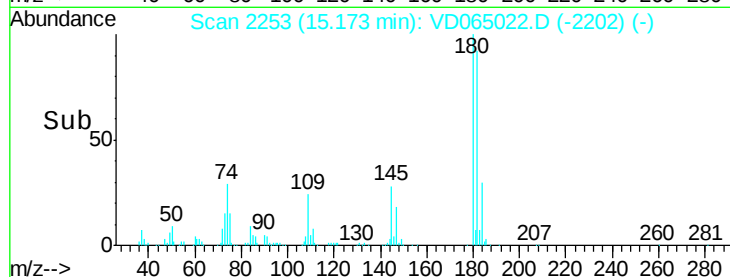
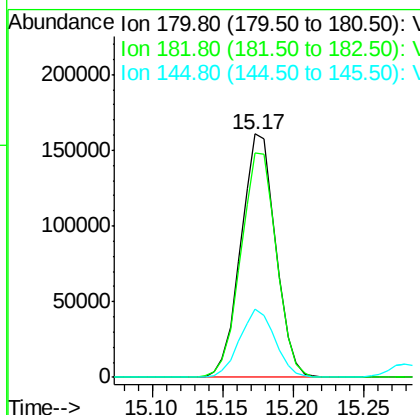
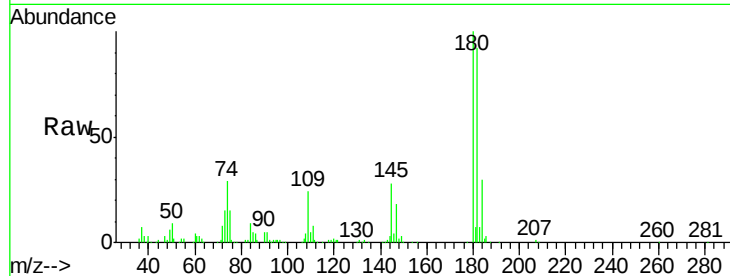
#93
 1,2,4-Trichlorobenzene
 Concen: 50.135 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065022.D
 Acq: 30 Jan 2020 19:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	276963		
182	94.7	47.1	141.4	
145	28.4	14.1	42.3	

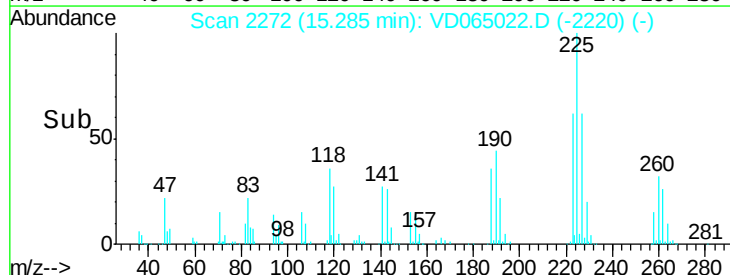
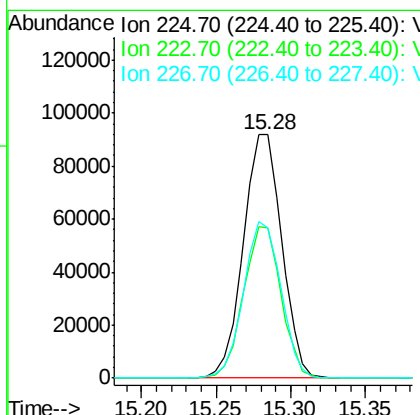
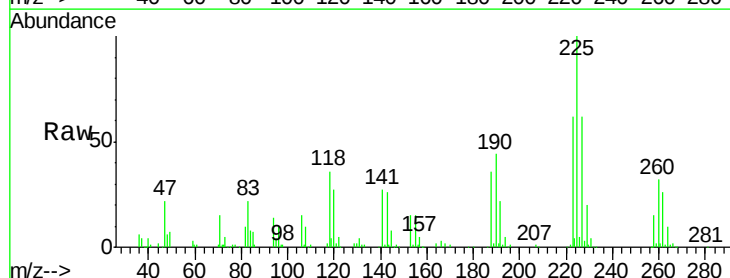
Manual Integrations
 APPROVED

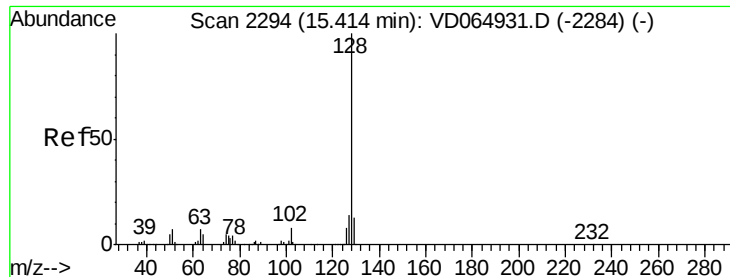
MMDadoda
 1/31/2020 4:25:46 PM



#94
 Hexachlorobutadiene
 Concen: 46.794 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065022.D
 Acq: 30 Jan 2020 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	163514		
223	60.6	32.4	97.2	
227	62.7	31.9	95.9	





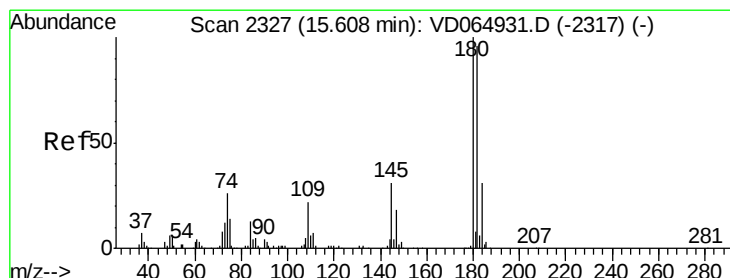
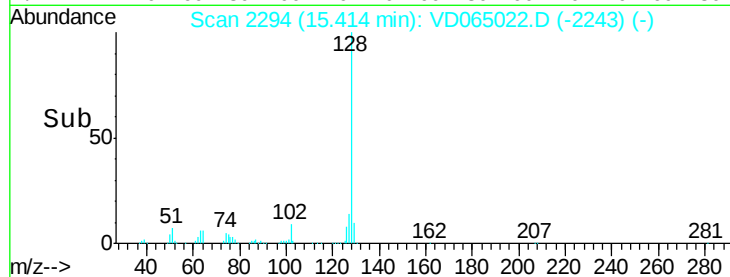
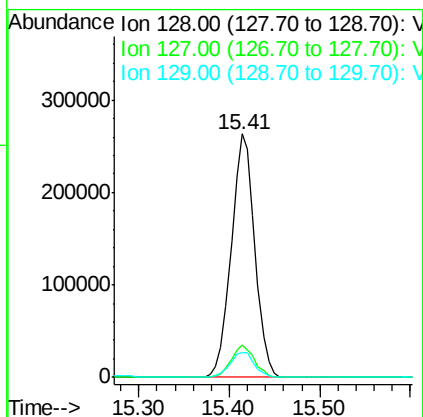
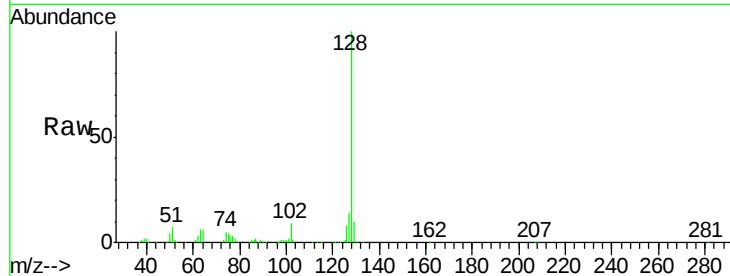
#95
Naphthalene
Concen: 53.147 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.8	9.3	13.9

Manual Integrations
APPROVED

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1/31/2020 4:25:46 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.173 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065022.D
Acq: 30 Jan 2020 19:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.3	141.8
145	30.6	14.6	43.8

