

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012320\
 Data File : VD064933.D
 Acq On : 23 Jan 2020 13:17
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 4:02:03 PM

Quant Time: Jan 23 13:35:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:18:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	509654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	727472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	661675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	338245	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	674090	135.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	271.64%	
35) Dibromofluoromethane	7.92	113	641916	139.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	278.30%	
50) Toluene-d8	10.34	98	2634943	149.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.64%	
62) 4-Bromofluorobenzene	12.64	95	809297	147.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	511920	127.727	ug/l	97
3) Chloromethane	2.21	50	703246	118.170	ug/l	98
4) Vinyl Chloride	2.35	62	832580	123.099	ug/l	99
5) Bromomethane	2.74	94	566883	125.168	ug/l	98
6) Chloroethane	2.91	64	537901	120.897	ug/l	98
7) Trichlorofluoromethane	3.27	101	1266707	121.034	ug/l	100
8) Diethyl Ether	3.71	74	290258	124.838	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	596827	124.786	ug/l	99
10) Methyl Iodide	4.30	142	731247	148.288	ug/l	100
11) Tert butyl alcohol	5.26	59	183943	677.413	ug/l	100
12) 1,1-Dichloroethene	4.06	96	576282	122.818	ug/l	96
13) Acrolein	3.93	56	236884	699.460	ug/l	95
14) Allyl chloride	4.71	41	976001	133.149	ug/l	98
15) Acrylonitrile	5.43	53	673755	667.654	ug/l	99
16) Acetone	4.17	43	538930	482.911	ug/l	96
17) Carbon Disulfide	4.40	76	1895880	124.977	ug/l	100
18) Methyl Acetate	4.72	43	296759	125.797	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	1385876	136.980	ug/l	98
20) Methylene Chloride	4.96	84	624439	104.466	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	685618	130.200	ug/l	99
22) Diisopropyl ether	6.37	45	1974669	137.366	ug/l	99
23) Vinyl Acetate	6.31	43	6122917	740.770	ug/l	100
24) 1,1-Dichloroethane	6.27	63	1139462	126.457	ug/l	98
25) 2-Butanone	7.22	43	878204	649.892	ug/l	98
26) 2,2-Dichloropropane	7.21	77	1036165	127.141	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	738792	131.593	ug/l	99
28) Bromochloromethane	7.55	49	495965	141.713	ug/l	99
29) Tetrahydrofuran	7.57	42	560224	672.375	ug/l	100
30) Chloroform	7.71	83	1171444	126.822	ug/l	100
31) Cyclohexane	7.98	56	1095012	123.603	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	1092459	127.158	ug/l	99
36) 1,1-Dichloropropene	8.11	75	957338	132.150	ug/l	99
37) Ethyl Acetate	7.30	43	404908	138.190	ug/l	99
38) Carbon Tetrachloride	8.10	117	1025765	135.720	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1199449	143.040	ug/l	98
40) Benzene	8.36	78	2747909	139.171	ug/l	99
41) Methacrylonitrile	7.54	41	261071m	173.419	ug/l	
42) 1,2-Dichloroethane	8.43	62	771580	129.554	ug/l	98
43) Isopropyl Acetate	8.46	43	784642	140.136	ug/l	99
44) Trichloroethene	9.11	130	740621	131.031	ug/l	96
45) 1,2-Dichloropropane	9.39	63	640758	133.460	ug/l	100
46) Dibromomethane	9.48	93	346374	132.446	ug/l	99
47) Bromodichloromethane	9.67	83	918774	132.849	ug/l	98
48) Methyl methacrylate	9.46	41	369319	145.450	ug/l	98
49) 1,4-Dioxane	9.47	88	82480	2687.354	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	2036067	733.471	ug/l	100
52) Toluene	10.41	92	1803095	142.600	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	919734	143.851	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	1070309	141.269	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	465222	132.114	ug/l	97
56) Ethyl methacrylate	10.67	69	635325	154.194	ug/l	99
57) 1,3-Dichloropropane	10.95	76	823563	136.093	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	931616	667.177	ug/l	99
59) 2-Hexanone	10.99	43	1383152	719.302	ug/l	100
60) Dibromochloromethane	11.14	129	645920	137.682	ug/l	99
61) 1,2-Dibromoethane	11.25	107	468195	138.735	ug/l	98
64) Tetrachloroethene	10.88	164	635186	126.720	ug/l	98
65) Chlorobenzene	11.67	112	1850124	133.899	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	711928	137.620	ug/l	99
67) Ethyl Benzene	11.75	91	3496039	144.480	ug/l	98
68) m/p-Xylenes	11.86	106	2672088	282.842	ug/l	100
69) o-Xylene	12.18	106	1204749	145.491	ug/l	99
70) Styrene	12.20	104	2188127	149.207	ug/l	100
71) Bromoform	12.37	173	387991	135.777	ug/l #	99
73) Isopropylbenzene	12.48	105	3294981	139.039	ug/l	100
74) N-amyl acetate	12.30	43	752039	144.821	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	507122	126.494	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	340498m	107.431	ug/l	
77) Bromobenzene	12.77	156	775854	133.403	ug/l	99
78) n-propylbenzene	12.83	91	3851037	137.470	ug/l	100
79) 2-Chlorotoluene	12.91	91	2088047	134.310	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	2688222	138.806	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	185710	138.557	ug/l	97
82) 4-Chlorotoluene	13.01	91	2219592	135.017	ug/l	100
83) tert-Butylbenzene	13.23	119	2314439	140.461	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	2754192	139.921	ug/l	100
85) sec-Butylbenzene	13.41	105	3210368	138.938	ug/l	100
86) p-Isopropyltoluene	13.53	119	3109060	142.908	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	1520431	135.194	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1460053	131.980	ug/l	99
89) n-Butylbenzene	13.85	91	2799225	141.630	ug/l	99
90) Hexachloroethane	14.12	117	543913	128.672	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	1260613	133.777	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	81349	125.141	ug/l	96

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Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	901163	137.895	ug/l	100
94) Hexachlorobutadiene	15.28	225	541398	130.828	ug/l	99
95) Naphthalene	15.41	128	1549756	151.282	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	765080	135.467	ug/l	98

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

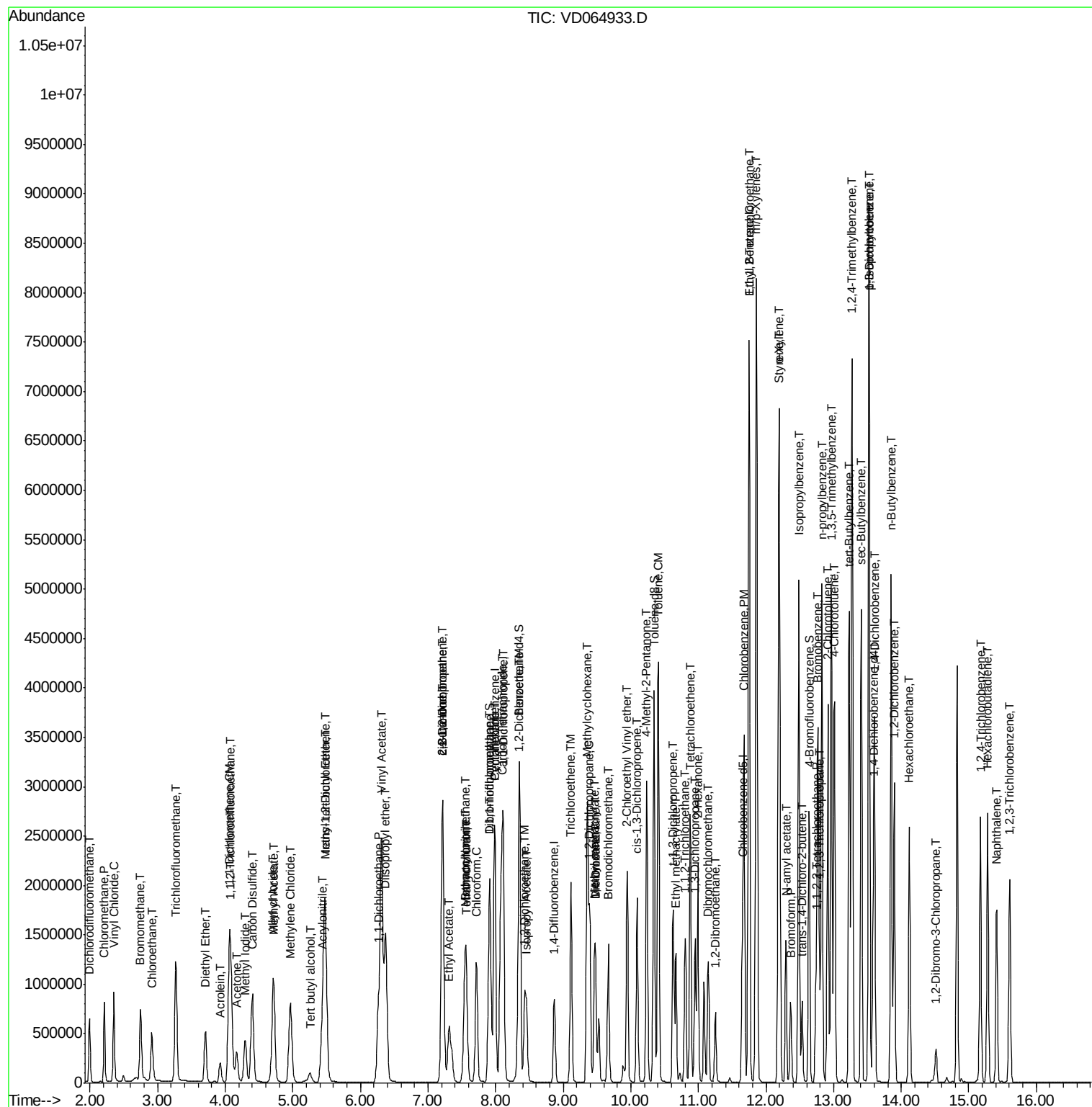
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD012320\
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Operator : VA/SY
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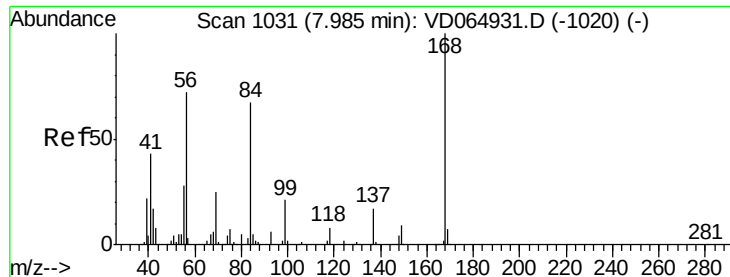
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 509654

Ion Ratio Lower Upper

168 100

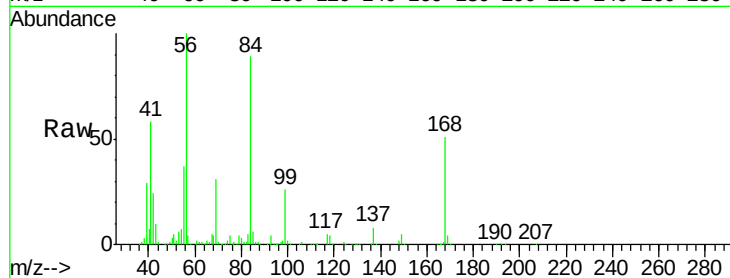
99 51.7 43.3 64.9

Manual Integrations

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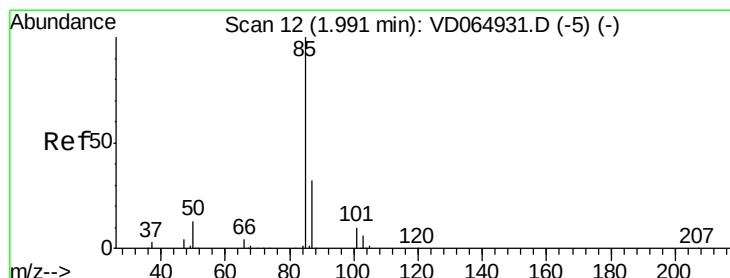
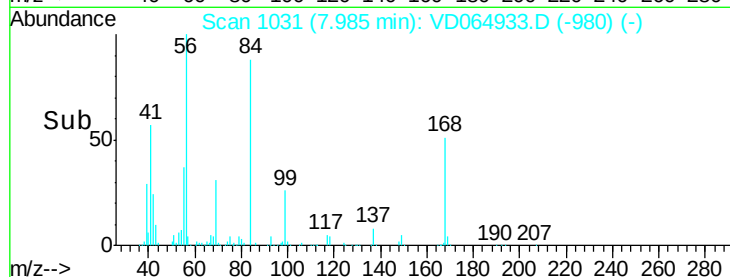
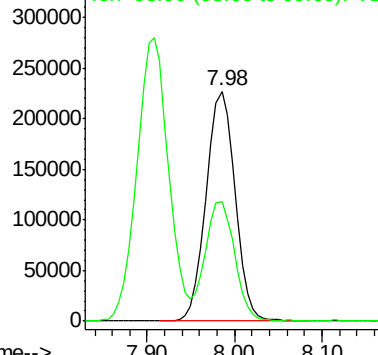
MMDadoda

1/24/2020 4:02:03 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 127.727 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064933.D

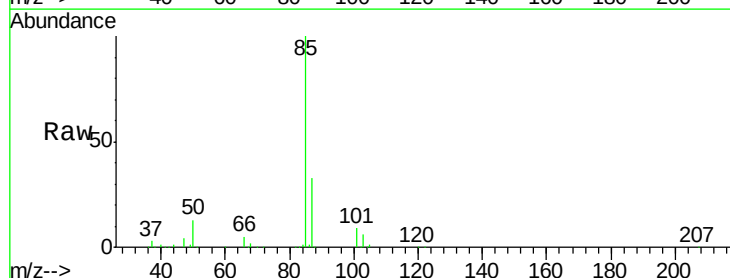
Acq: 23 Jan 2020 13:17

Tgt Ion: 85 Resp: 511920

Ion Ratio Lower Upper

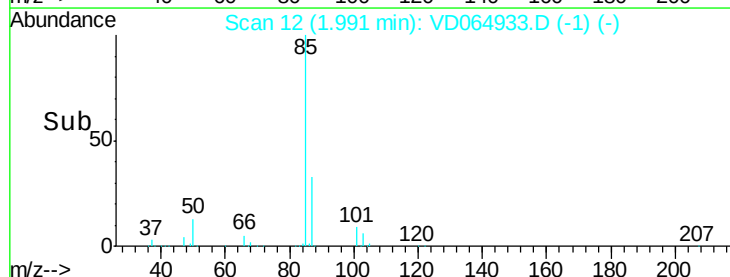
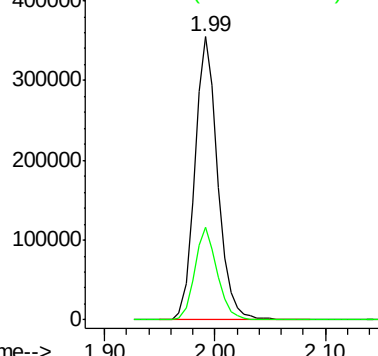
85 100

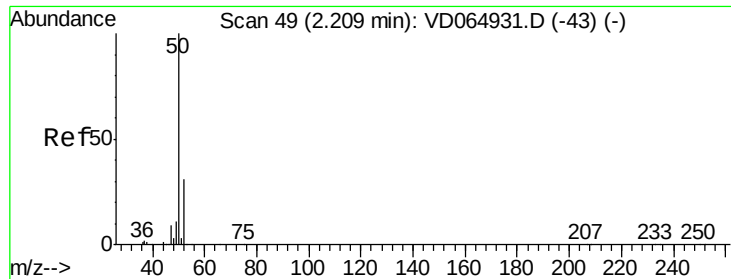
87 32.9 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 118.170 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 703246

Ion Ratio Lower Upper

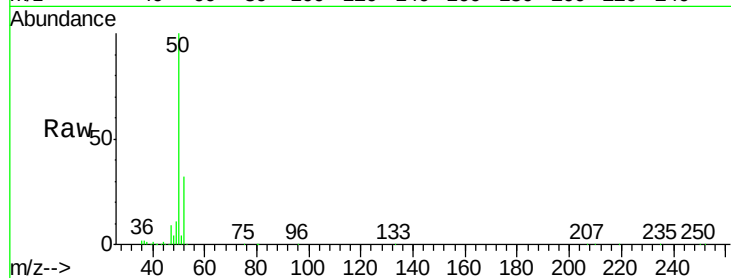
50 100

52 32.0 24.6 36.8

Manual Integrations
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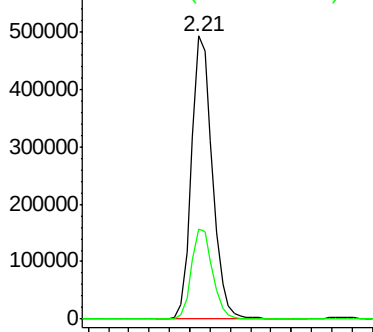
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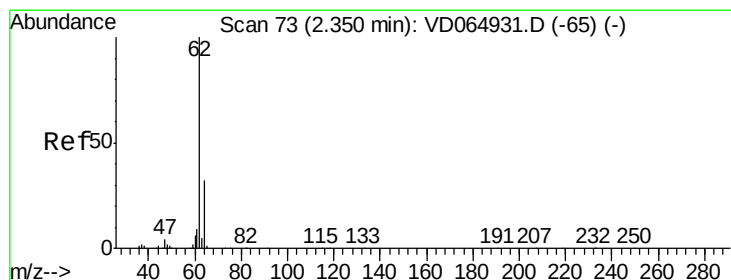
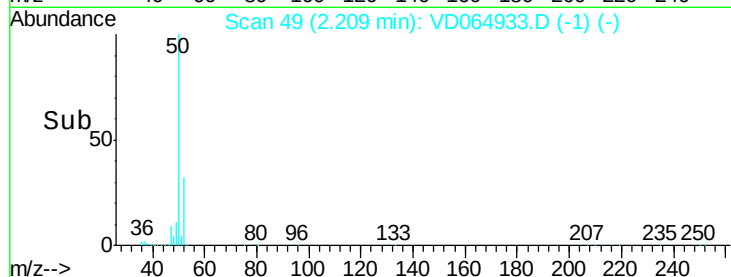


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time--> 2.10 2.20 2.30



#4

Vinyl Chloride

Concen: 123.099 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064933.D

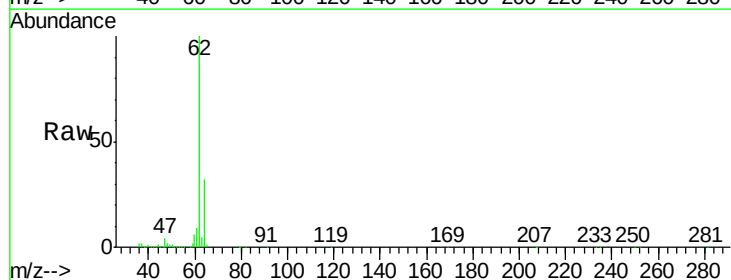
Acq: 23 Jan 2020 13:17

Tgt Ion: 62 Resp: 832580

Ion Ratio Lower Upper

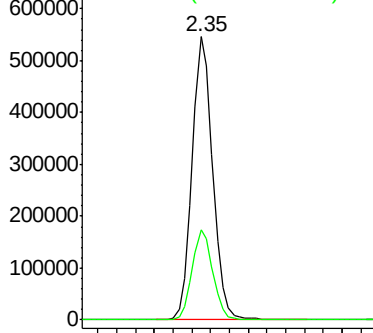
62 100

64 31.6 25.6 38.4

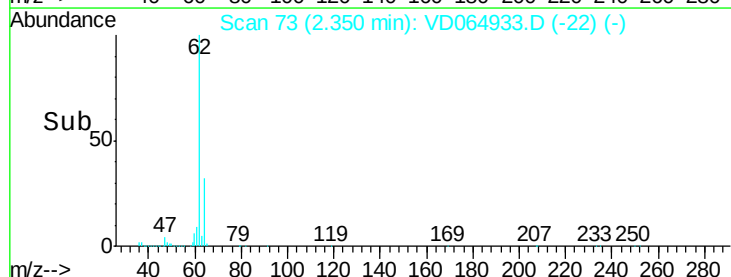


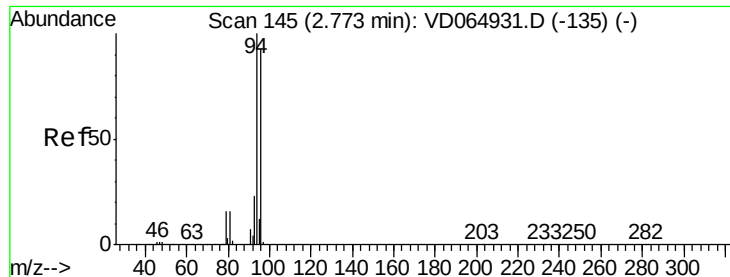
Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC



Time--> 2.30 2.40 2.50





#5

Bromomethane

Concen: 125.168 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.03 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 566883

Ion Ratio Lower Upper

94 100

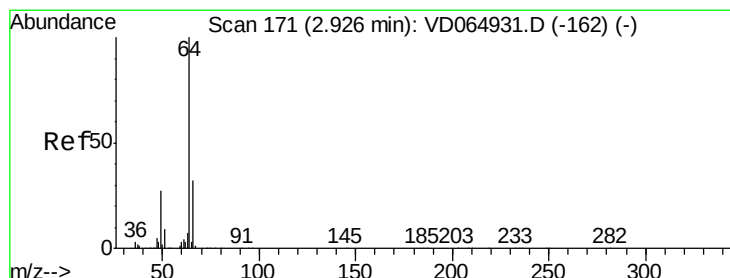
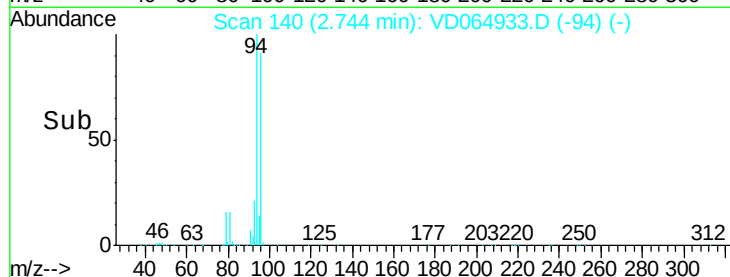
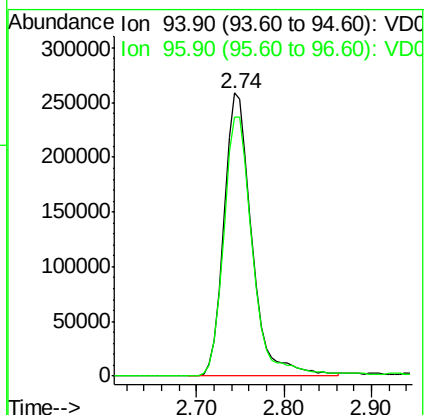
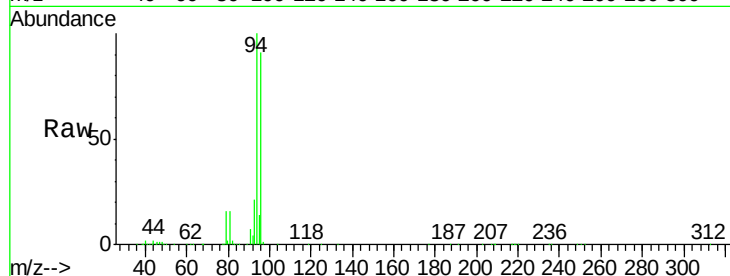
96 91.2 74.6 111.8

Manual Integrations

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#6

Chloroethane

Concen: 120.897 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064933.D

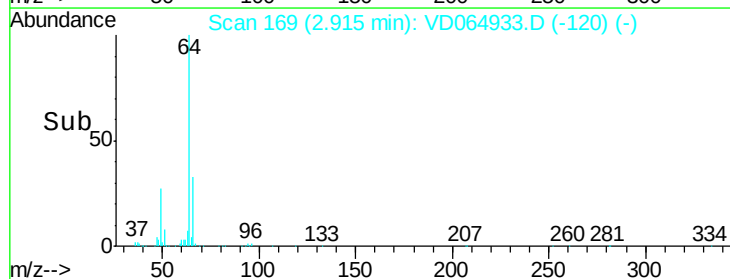
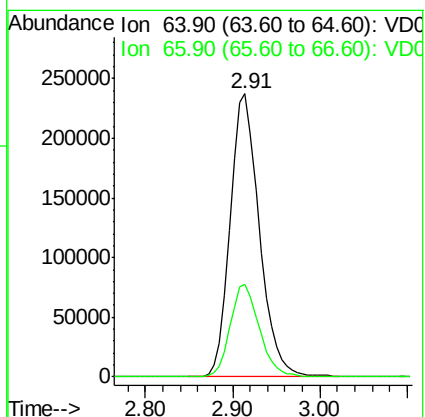
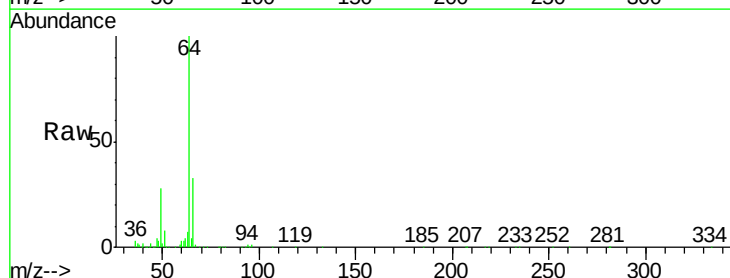
Acq: 23 Jan 2020 13:17

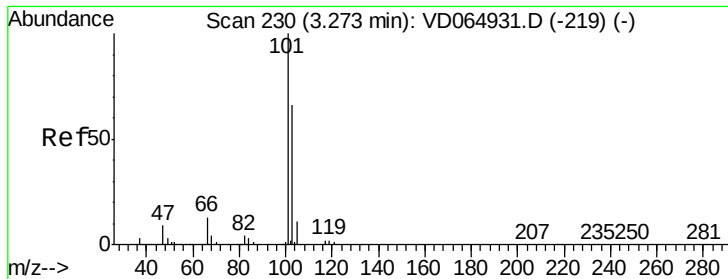
Tgt Ion: 64 Resp: 537901

Ion Ratio Lower Upper

64 100

66 32.6 25.3 37.9





#7

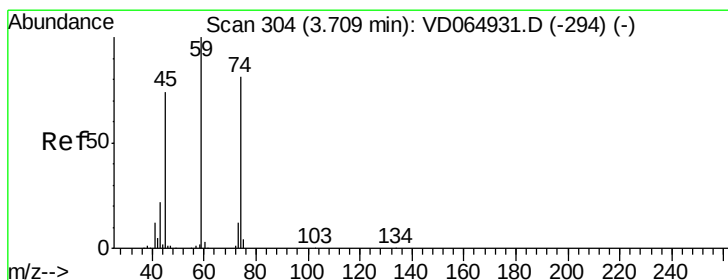
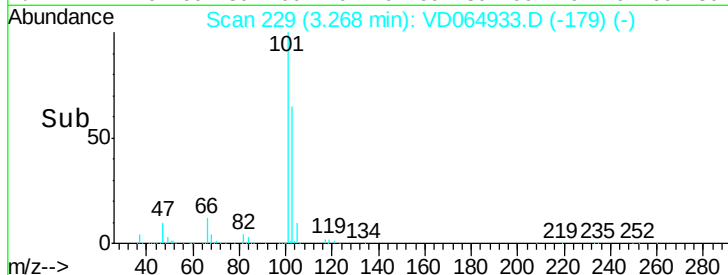
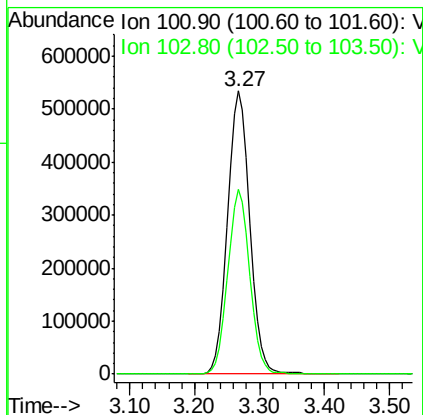
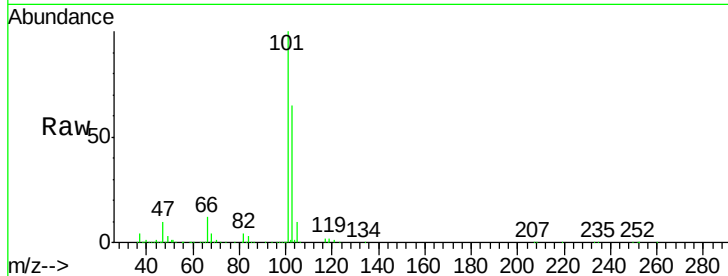
Trichlorofluoromethane
Concen: 121.034 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 1266707
Ion Ratio Lower Upper
101 100
103 65.3 52.5 78.7

Manual Integrations
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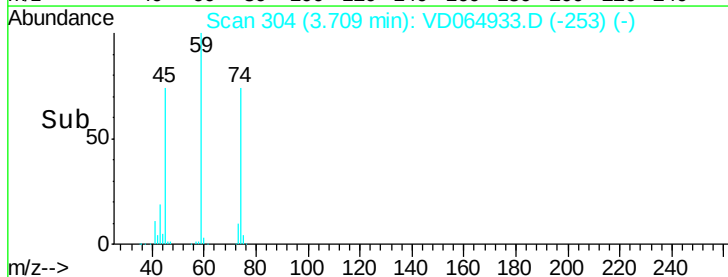
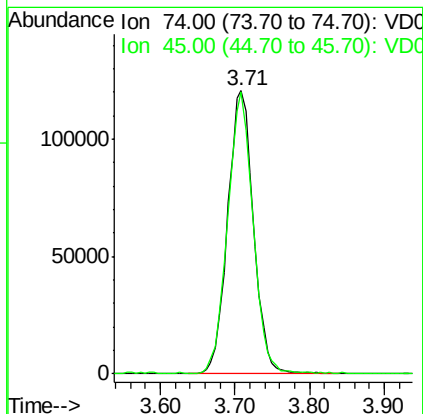
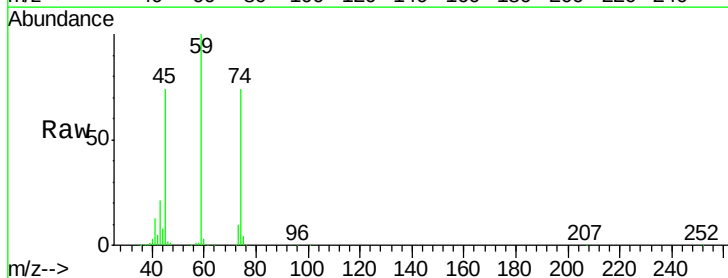
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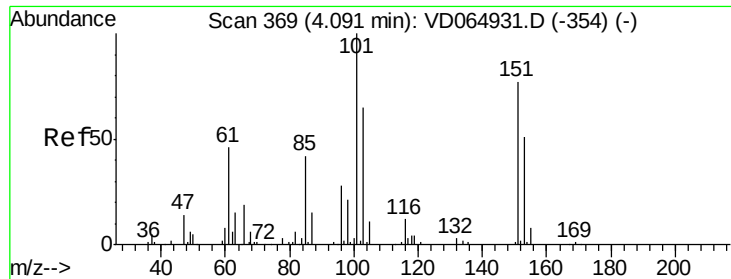


#8

Diethyl Ether
Concen: 124.838 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion: 74 Resp: 290258
Ion Ratio Lower Upper
74 100
45 97.3 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 124.786 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

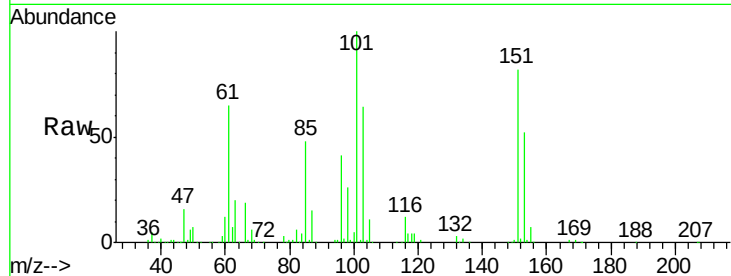
ClientSampleId :

VSTDIC150

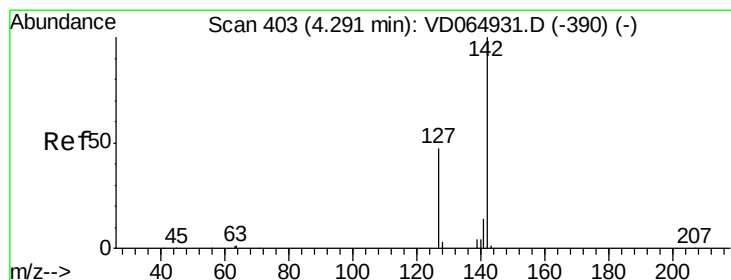
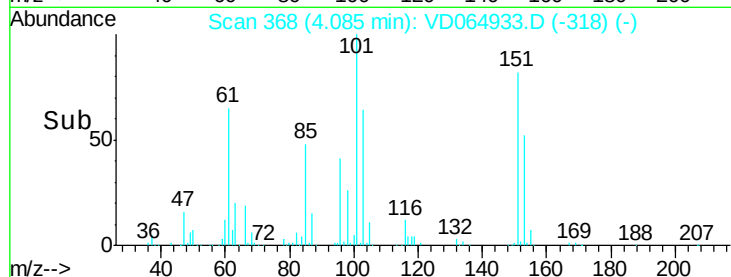
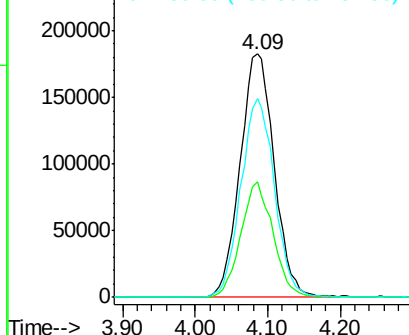
Tot Ion:	101	Resp:	596827
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.0	52.4
151	80.5	64.6	96.8

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 148.288 ug/l

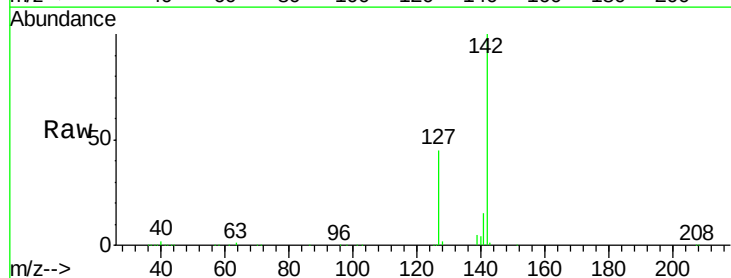
RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

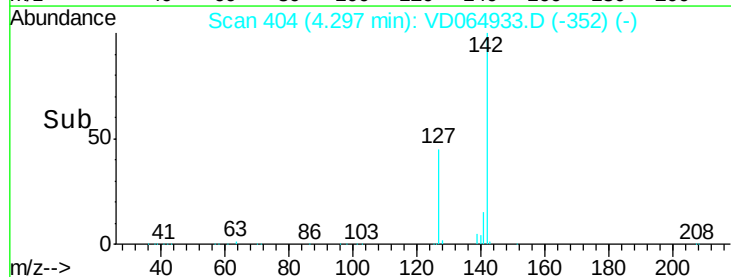
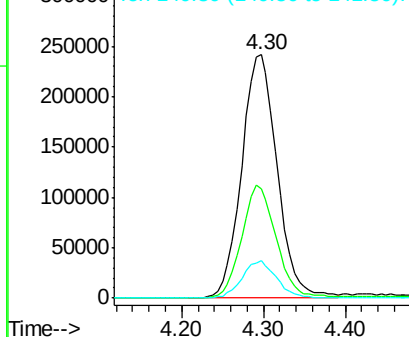
Lab File: VD064933.D

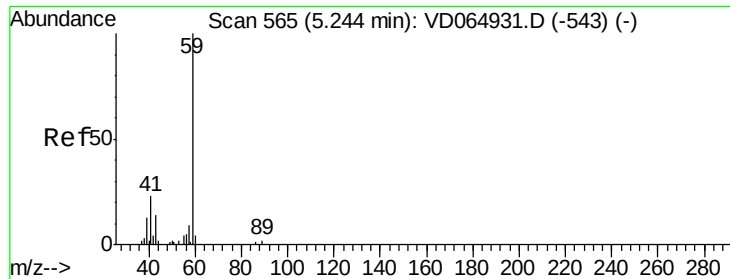
Acq: 23 Jan 2020 13:17

Tgt Ion:	142	Resp:	731247
Ion Ratio	Lower	Upper	
142	100		
127	45.2	36.2	54.2
141	15.0	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

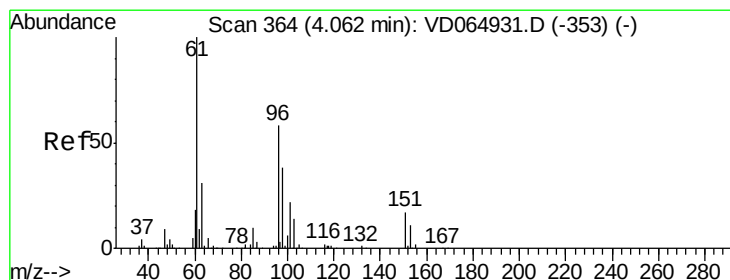
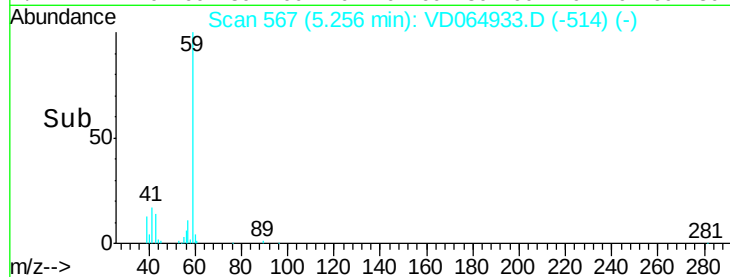
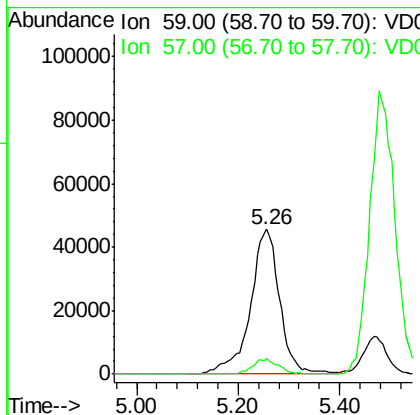
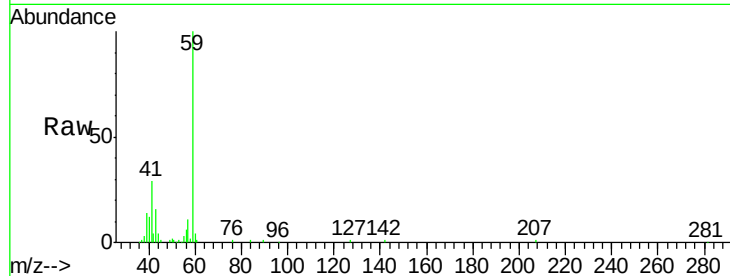
Tert butyl alcohol
 Concen: 677.413 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	59	Resp	183943
Ion Ratio	100	Lower	Upper
57	9.6	7.7	11.5

Manual Integrations
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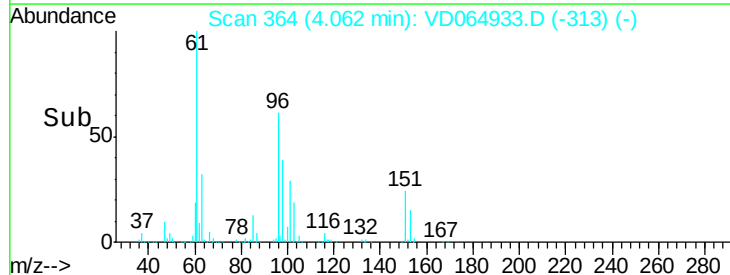
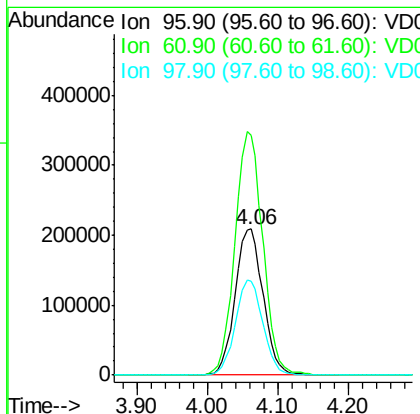
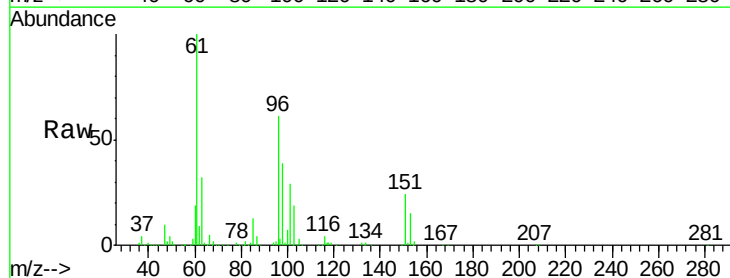
MMDadoda
 1/24/2020 4:02:03 PM

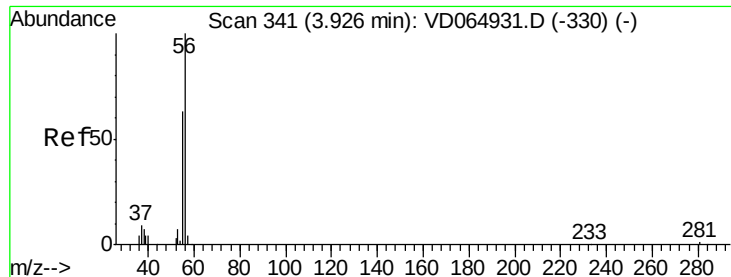


#12

1,1-Dichloroethene
 Concen: 122.818 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Tgt Ion	96	Resp	576282
Ion Ratio	100	Lower	Upper
61	164.2	137.0	205.4
98	64.8	52.1	78.1





#13

Acrolein

Concen: 699.460 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 236884

Ion Ratio Lower Upper

56 100

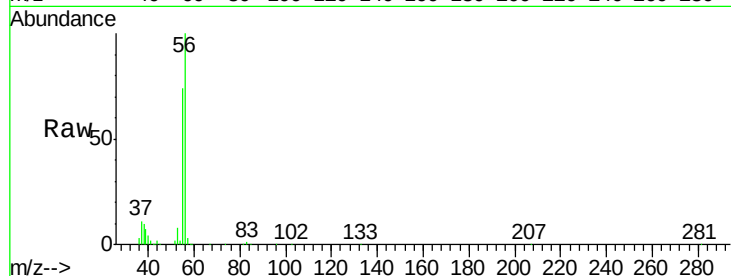
55 70.3 59.7 89.5

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

100000

80000

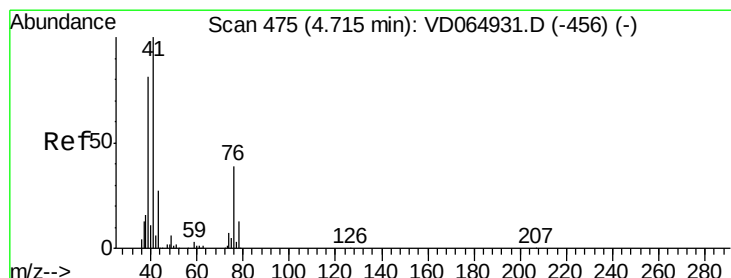
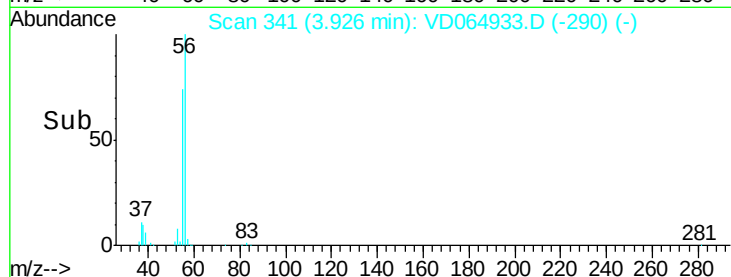
60000

40000

20000

0

Time--> 3.80 3.90 4.00 4.10



#14

Allyl chloride

Concen: 133.149 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

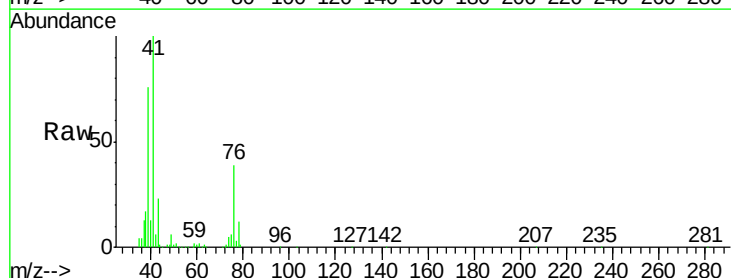
Tgt Ion: 41 Resp: 976001

Ion Ratio Lower Upper

41 100

39 75.3 62.0 93.0

76 36.4 29.3 43.9



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

400000

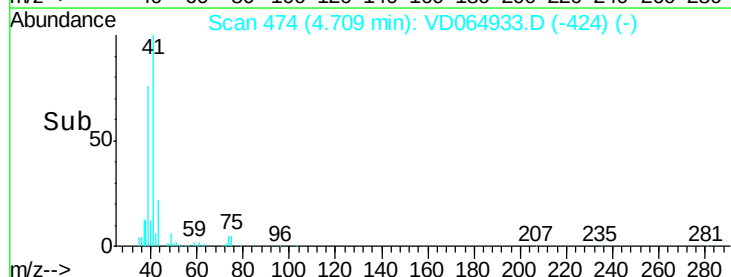
300000

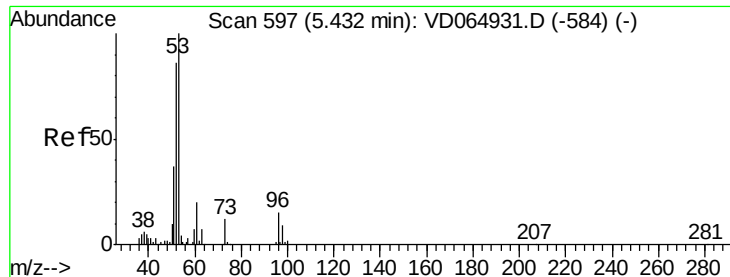
200000

100000

0

Time--> 4.50 4.60 4.70 4.80 4.90





#15

Acrylonitrile

Concen: 667.654 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

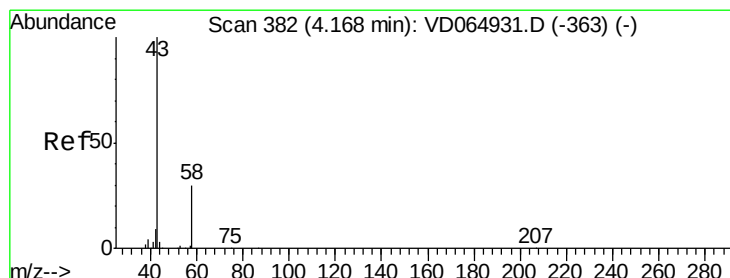
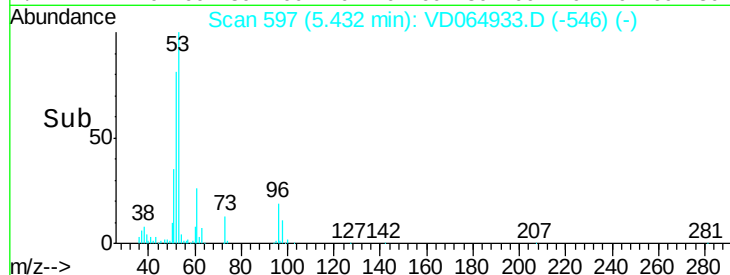
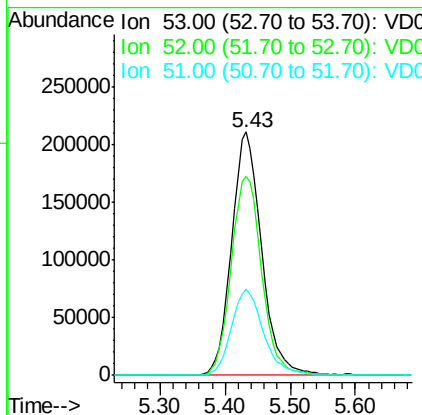
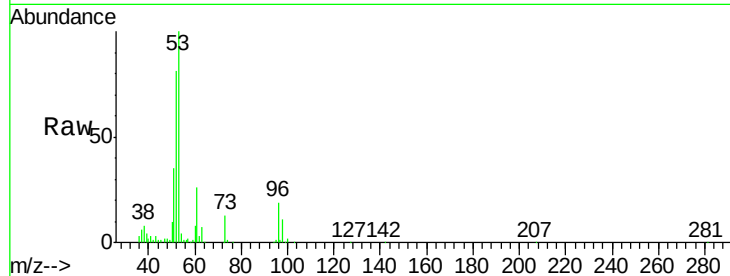
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	673755
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.7	100.1
51	37.7	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 482.911 ug/l

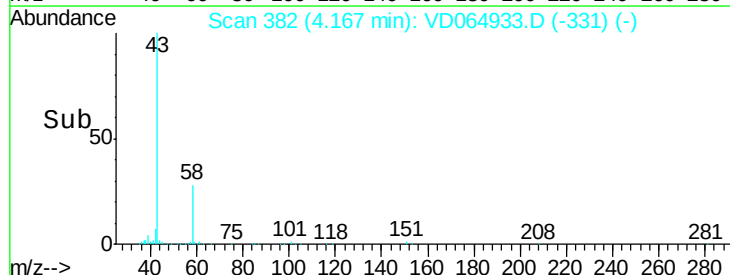
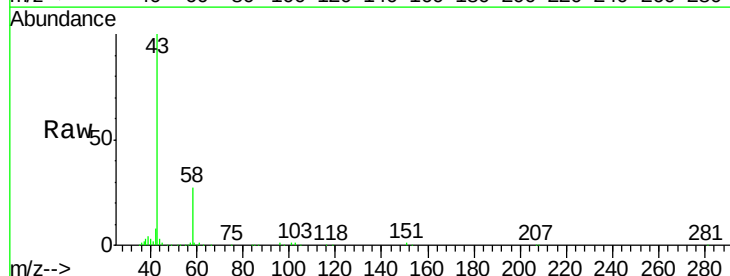
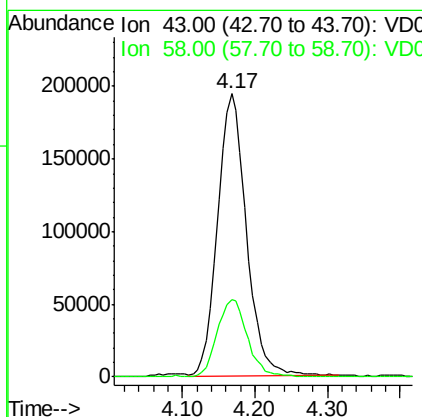
RT: 4.17 min Scan# 382

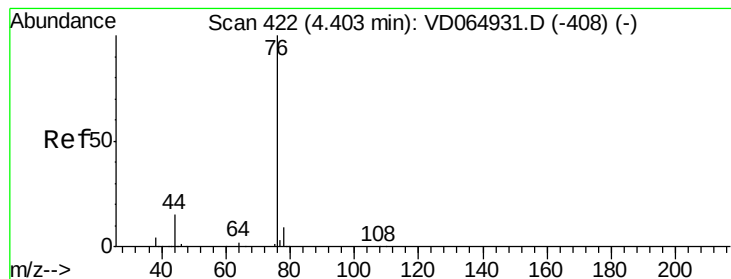
Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Tgt Ion:	43	Resp:	538930
Ion Ratio	Lower	Upper	
43	100		
58	27.4	23.8	35.8





#17

Carbon Disulfide

Concen: 124.977 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1895880

Ion Ratio Lower Upper

76 100

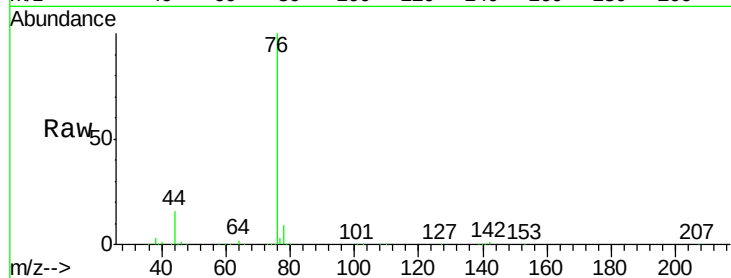
78 9.0 7.1 10.7

Manual Integrations

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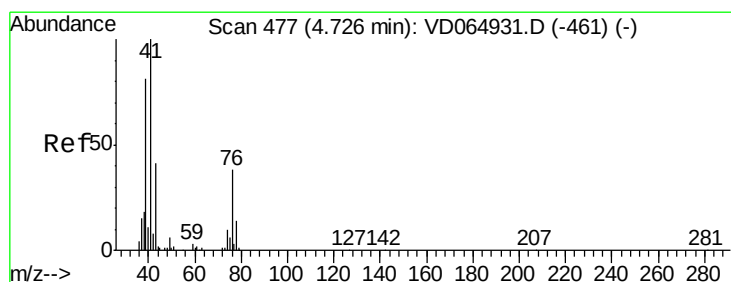
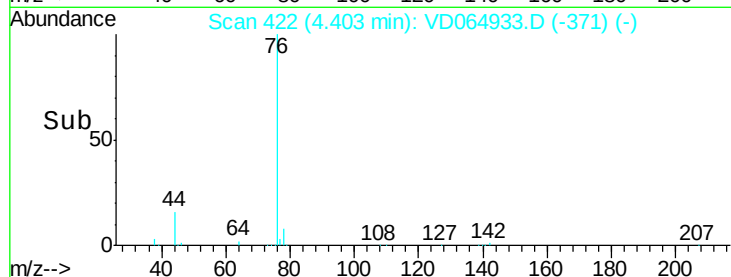
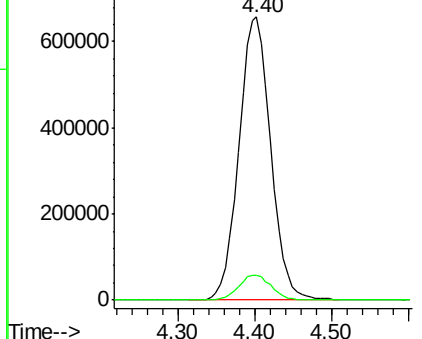
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 125.797 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064933.D

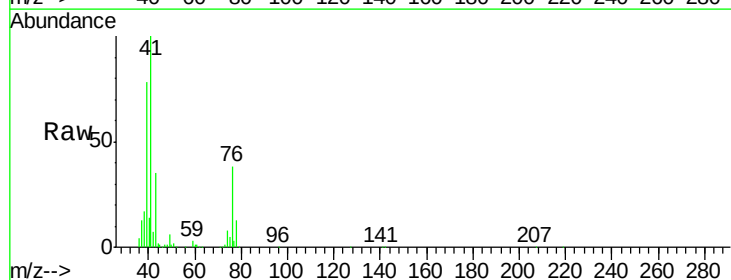
Acq: 23 Jan 2020 13:17

Tgt Ion: 43 Resp: 296759

Ion Ratio Lower Upper

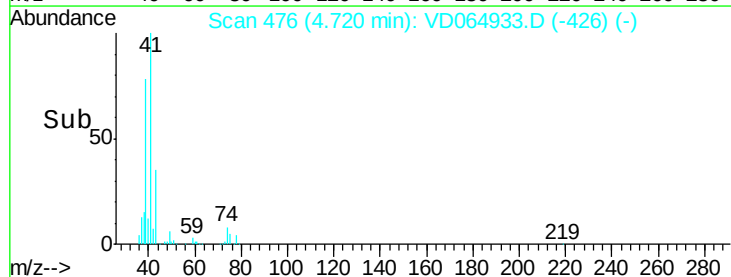
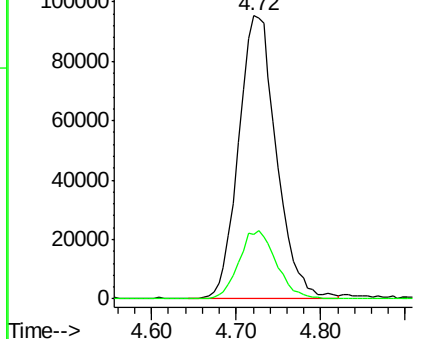
43 100

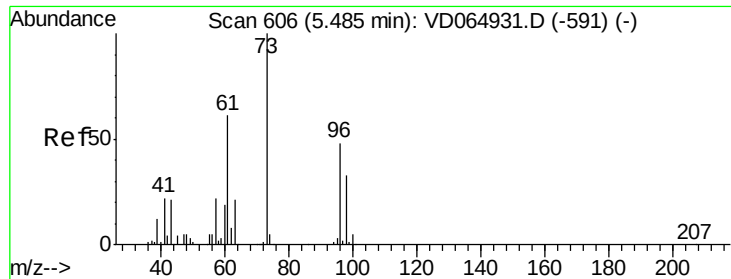
74 23.9 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

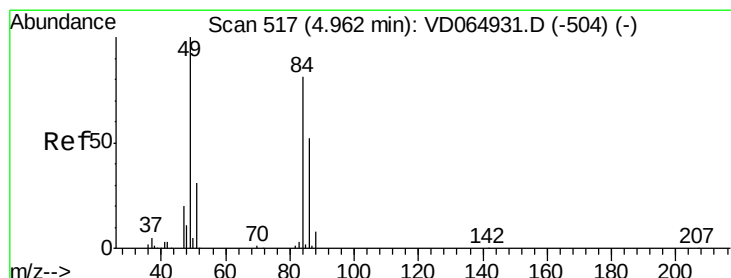
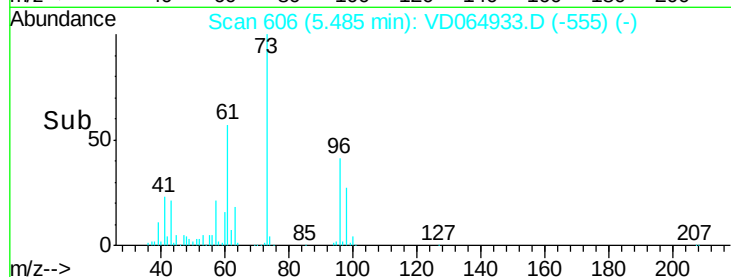
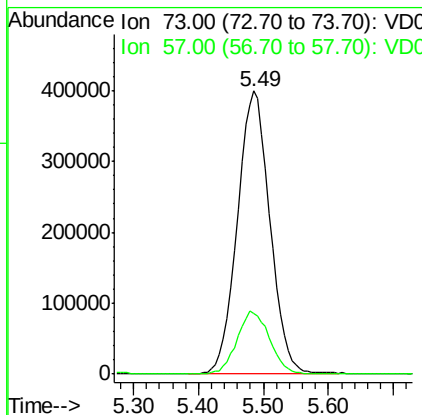
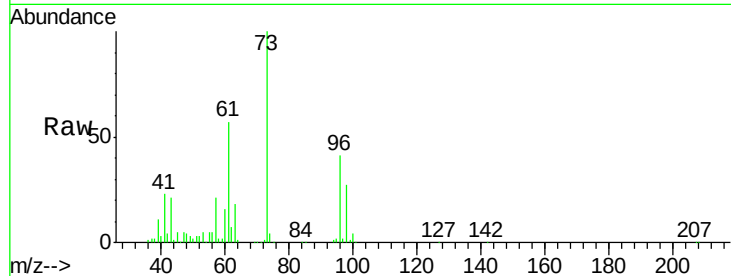
Methyl tert-butyl Ether
 Concen: 136.980 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 1385876
 Ion Ratio Lower Upper
 73 100
 57 21.2 17.9 26.9

Manual Integrations
 APPROVED

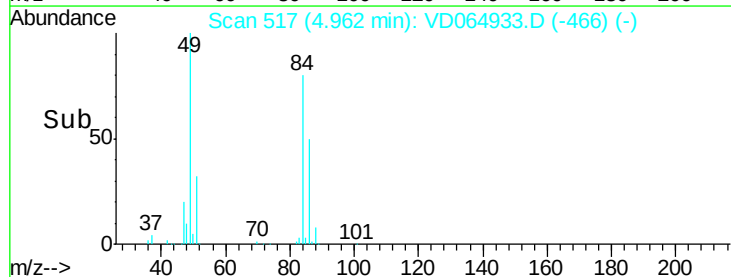
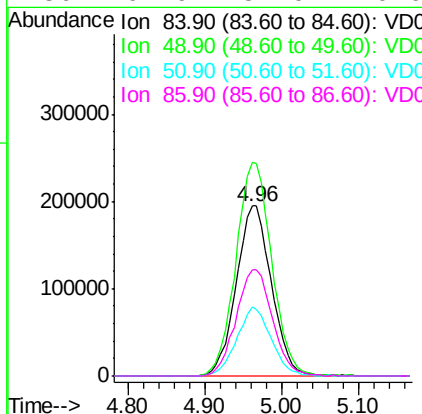
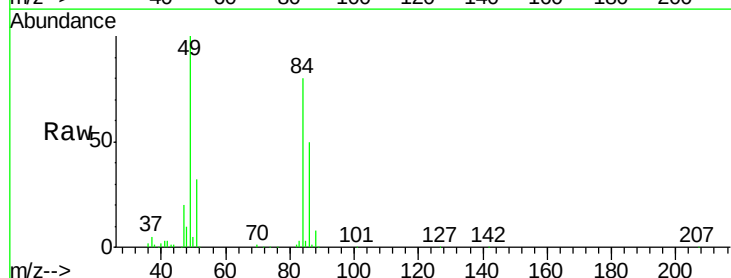
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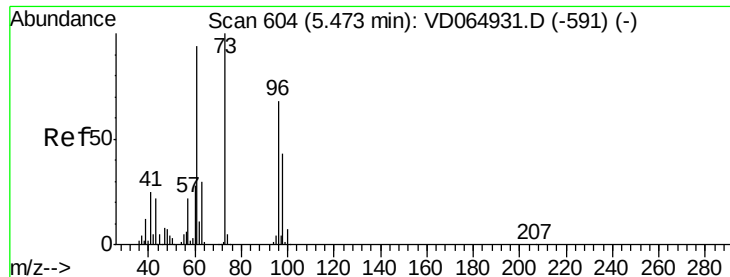


#20

Methylene Chloride
 Concen: 104.466 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Tgt Ion: 84 Resp: 624439
 Ion Ratio Lower Upper
 84 100
 49 125.7 98.4 147.6
 51 40.7 30.8 46.2
 86 62.9 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 130.200 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

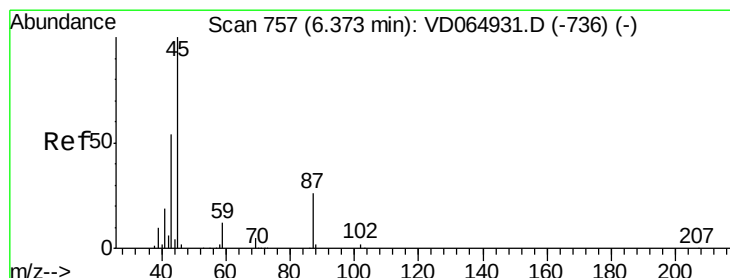
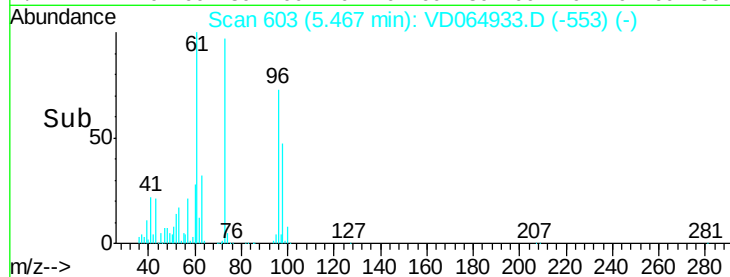
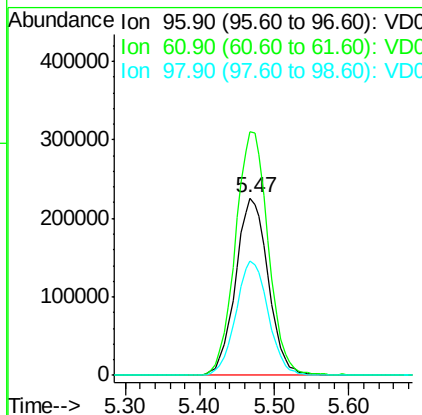
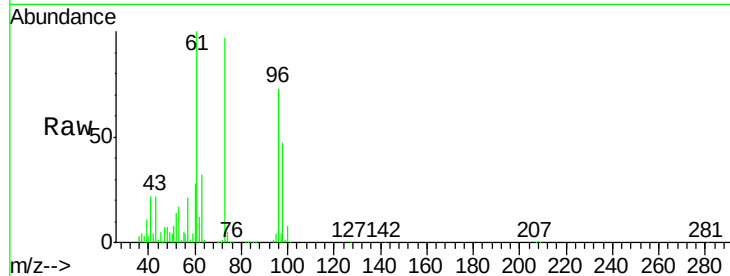
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	685618
Ion	Ratio	Lower	Upper
96	100		
61	137.1	110.4	165.6
98	64.7	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 137.366 ug/l

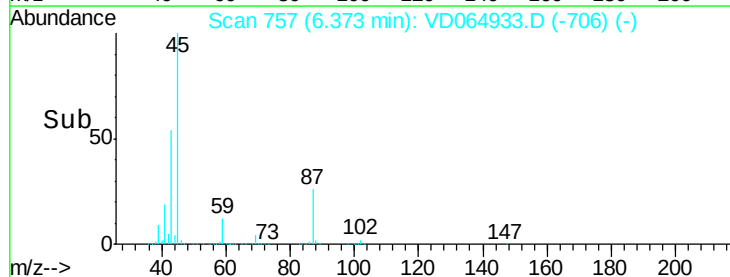
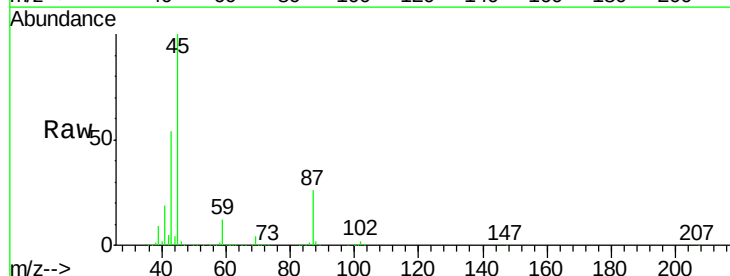
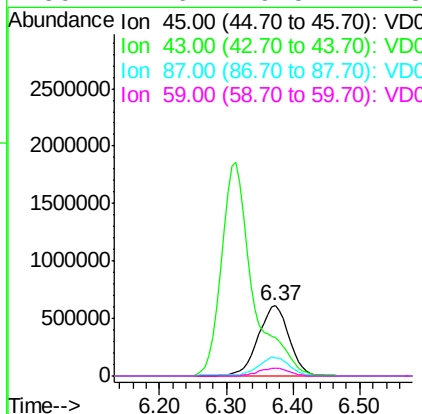
RT: 6.37 min Scan# 757

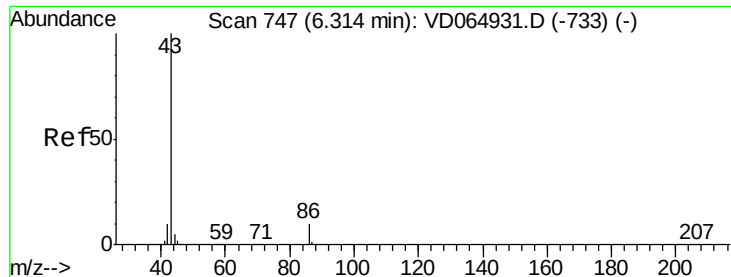
Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Tgt Ion:	45	Resp:	1974669
Ion	Ratio	Lower	Upper
45	100		
43	54.1	43.1	64.7
87	26.0	21.4	32.2
59	11.6	9.5	14.3





#23

Vinyl Acetate

Concen: 740.770 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 6122917

Ion Ratio Lower Upper

43 100

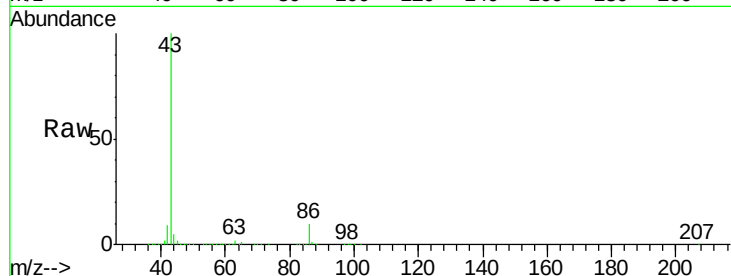
86 10.4 8.3 12.5

Manual Integrations

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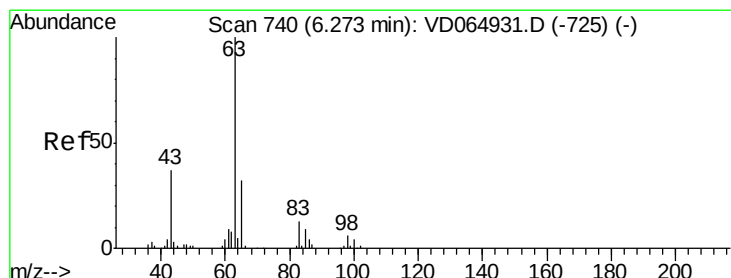
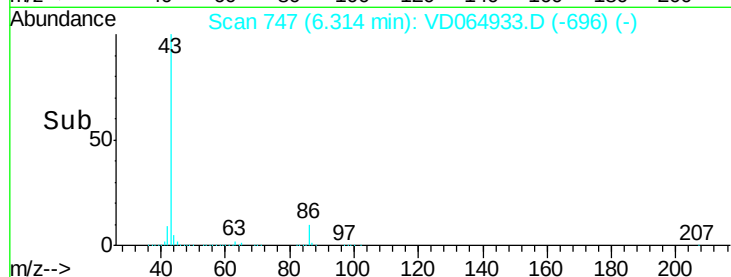
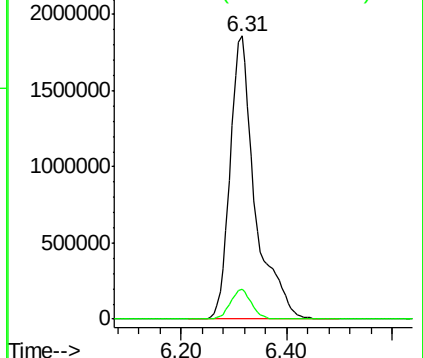
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 126.457 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

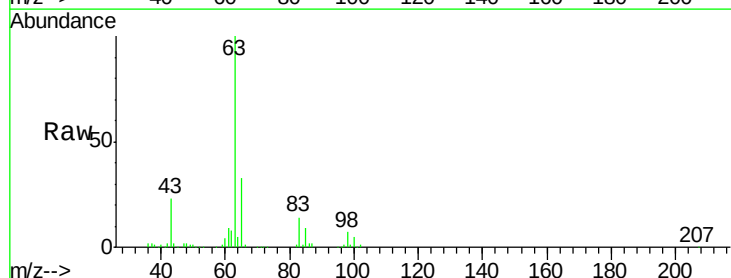
Tgt Ion: 63 Resp: 1139462

Ion Ratio Lower Upper

63 100

98 6.9 3.1 9.3

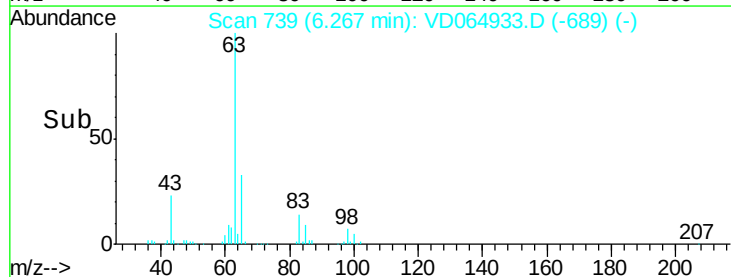
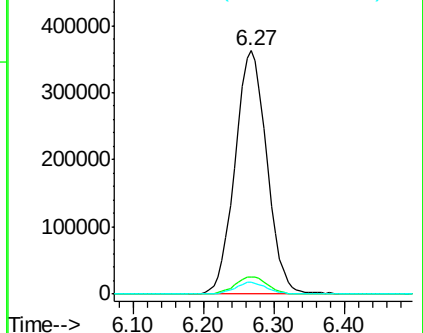
100 4.8 2.3 6.8

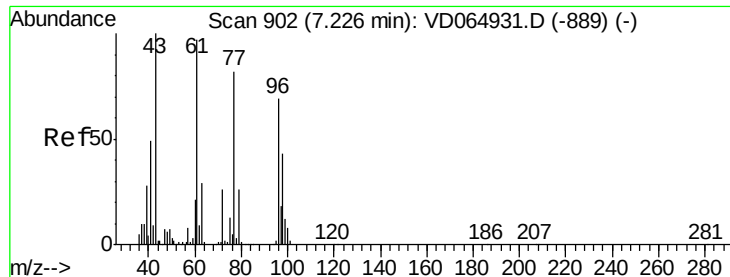


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 649.892 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 878204

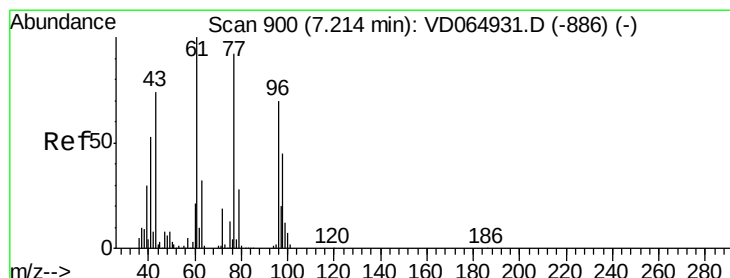
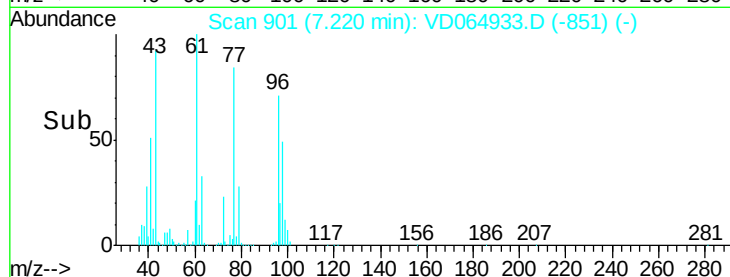
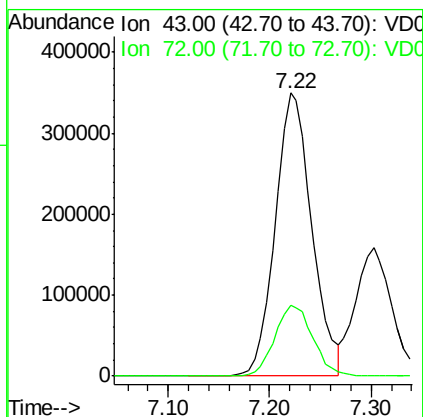
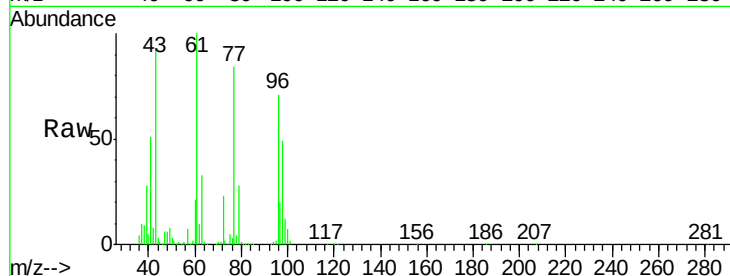
Ion Ratio Lower Upper

43 100

72 24.9 20.6 31.0

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 127.141 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064933.D

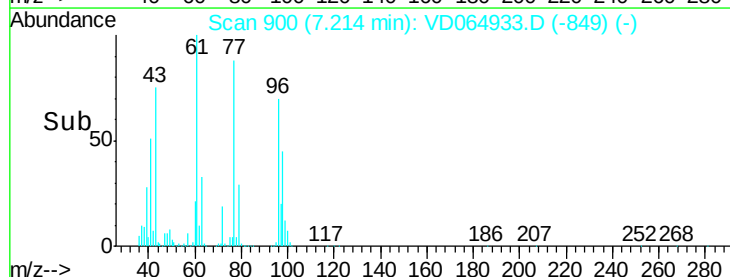
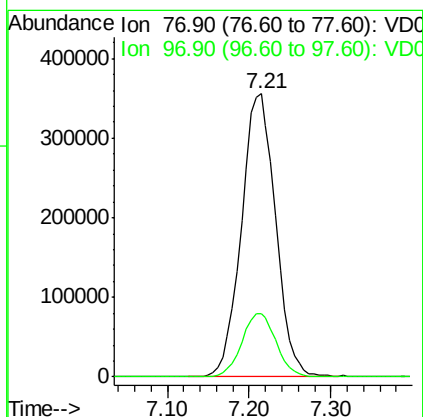
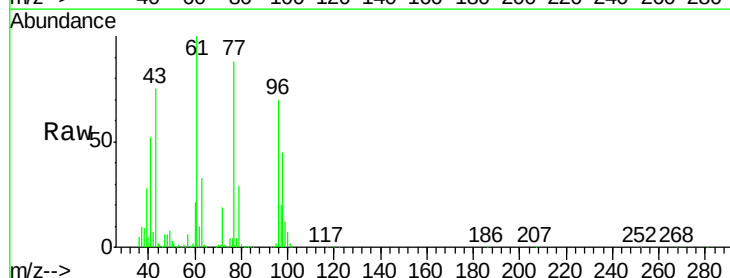
Acq: 23 Jan 2020 13:17

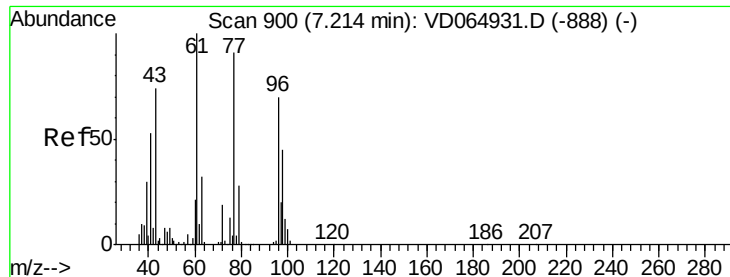
Tgt Ion: 77 Resp: 1036165

Ion Ratio Lower Upper

77 100

97 22.4 11.4 34.2





#27

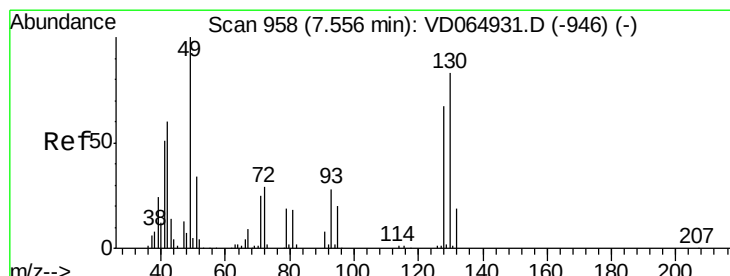
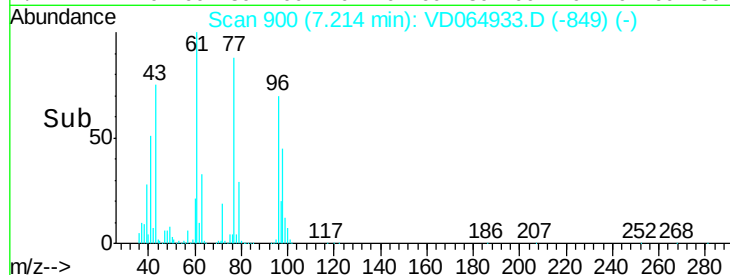
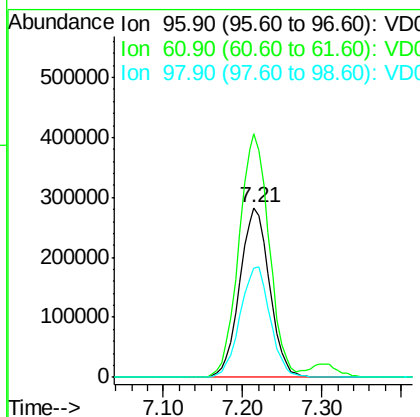
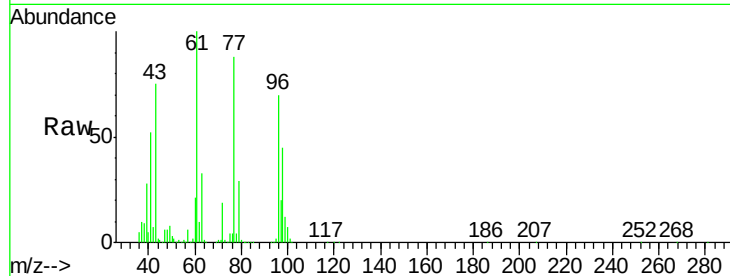
cis-1,2-Dichloroethene
Concen: 131.593 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.4	0.0	292.8
98	65.7	0.0	130.0

Manual Integrations
APPROVED

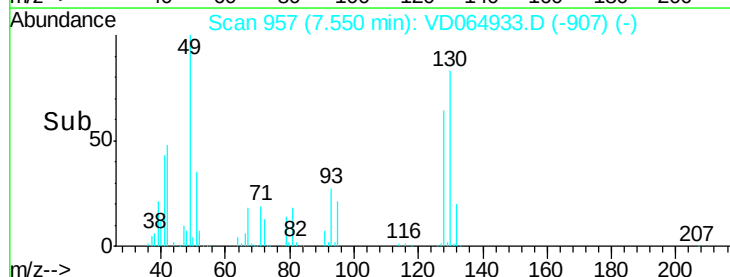
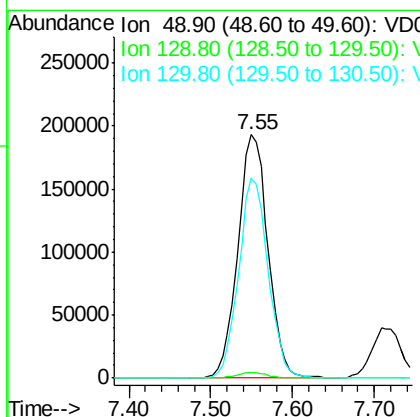
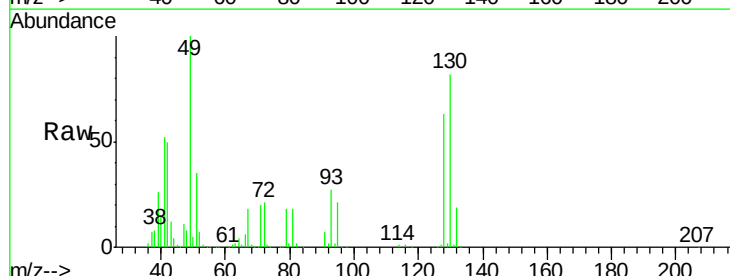
MMDadoda
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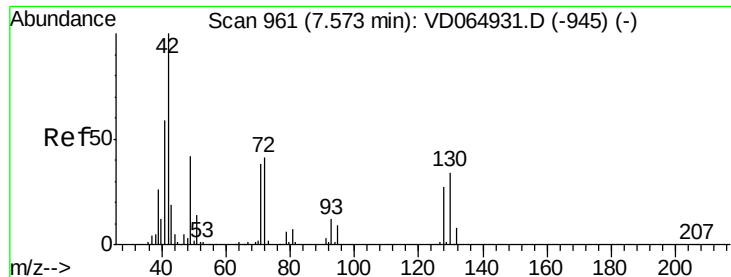


#28

Bromochloromethane
Concen: 141.713 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	80.7	63.8	95.8





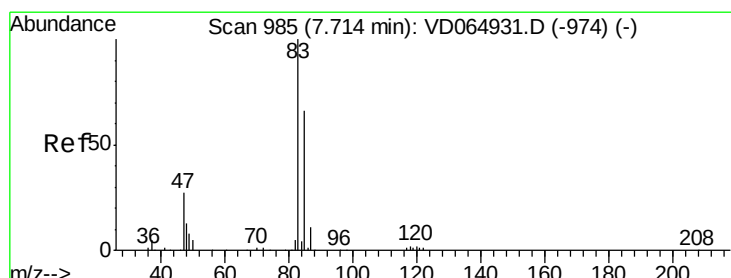
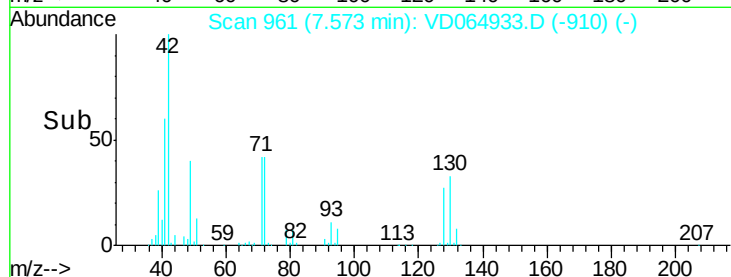
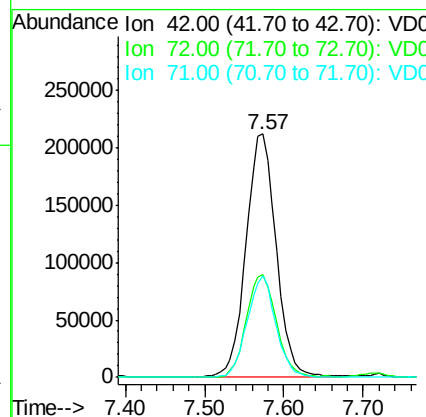
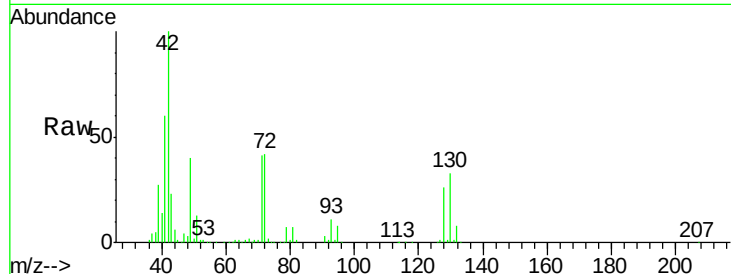
#29
Tetrahydrofuran
Concen: 672.375 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.0	51.0
71	39.8	31.5	47.3

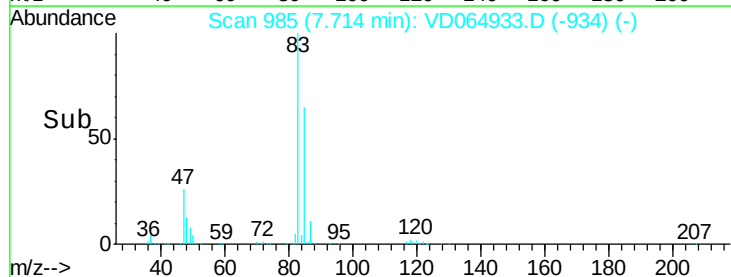
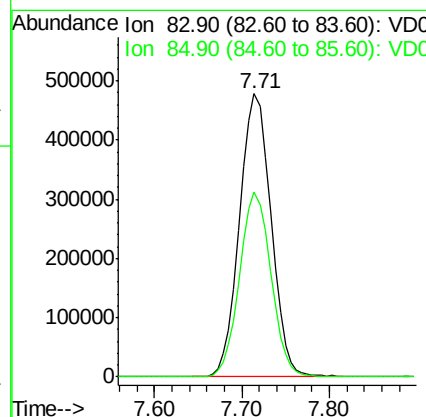
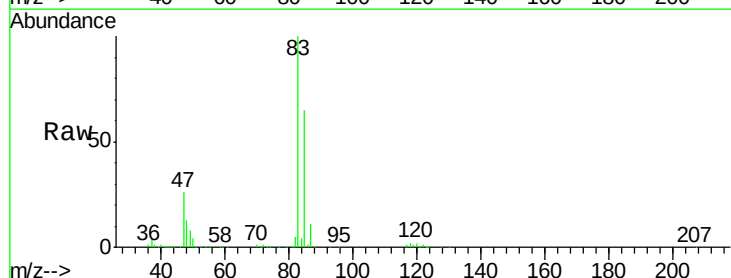
Manual Integrations
APPROVED

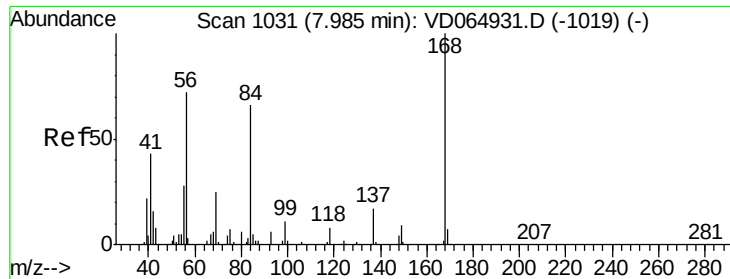
MMDadoda
1/24/2020 4:02:03 PM



#30
Chloroform
Concen: 126.822 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.4	78.6





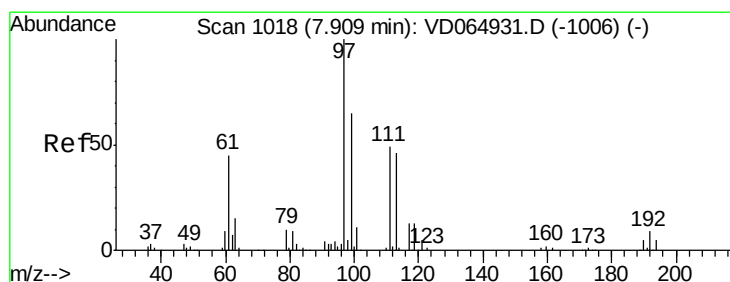
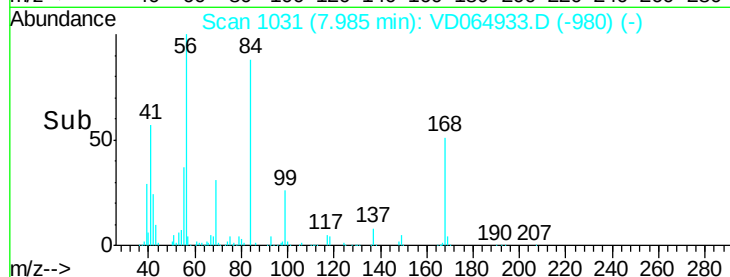
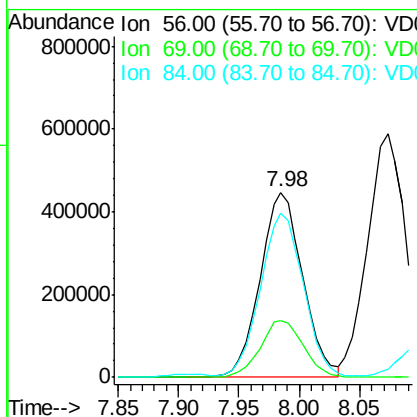
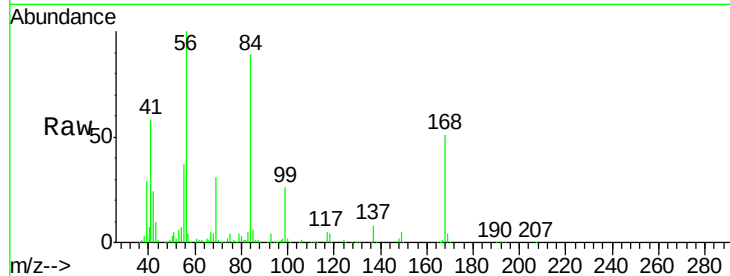
#31
Cyclohexane
Concen: 123.603 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 56 Resp: 1095012
Ion Ratio Lower Upper
56 100
69 30.9 27.9 41.9
84 87.0 72.8 109.2

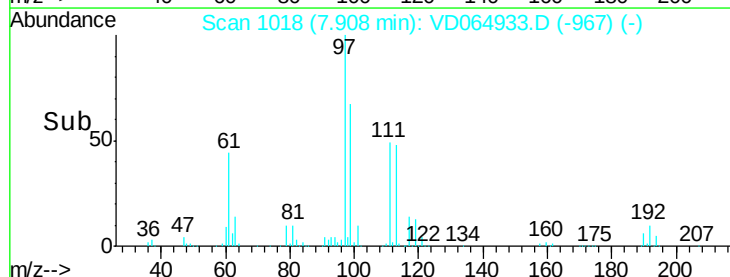
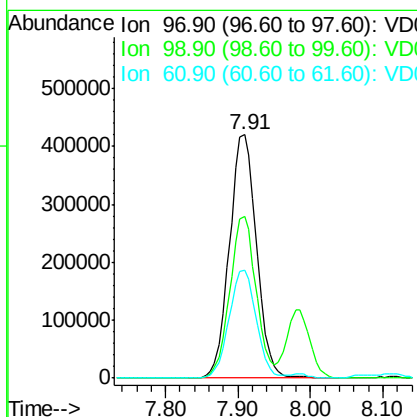
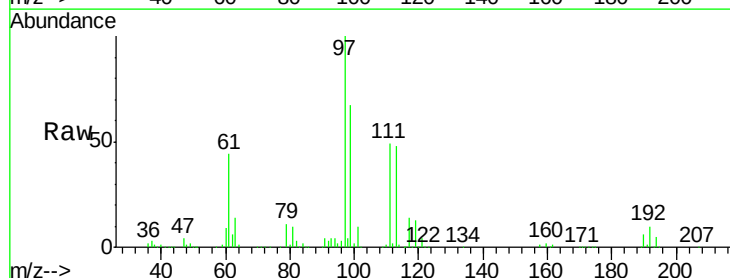
Manual Integrations
APPROVED

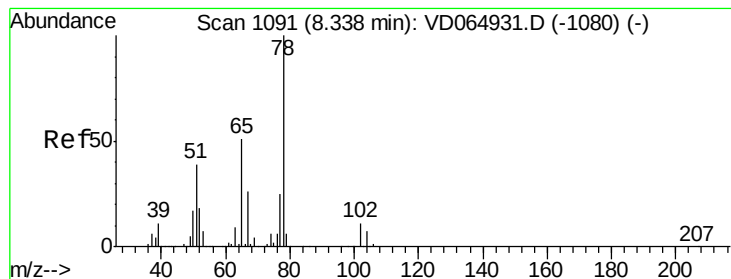
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 127.158 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion: 97 Resp: 1092459
Ion Ratio Lower Upper
97 100
99 64.6 50.6 76.0
61 44.4 35.7 53.5





#33

1,2-Dichloroethane-d4

Concen: 135.821 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 674090

Ion Ratio Lower Upper

65 100

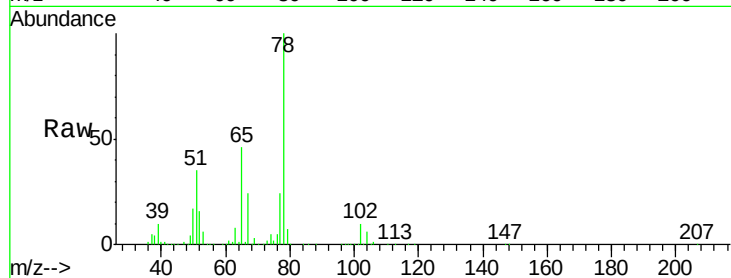
67 52.0 0.0 103.6

Manual Integrations

APPROVED

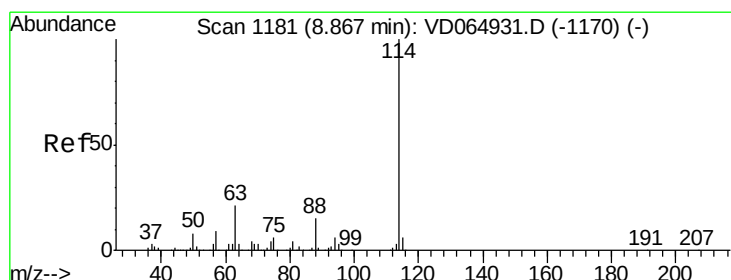
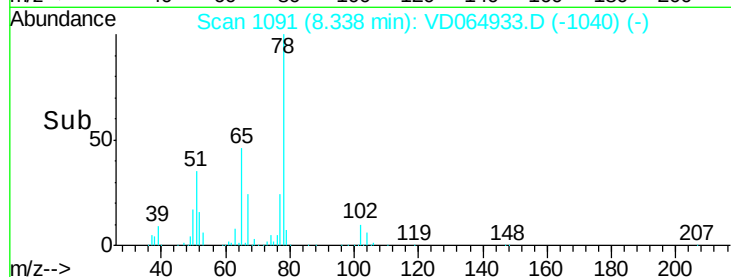
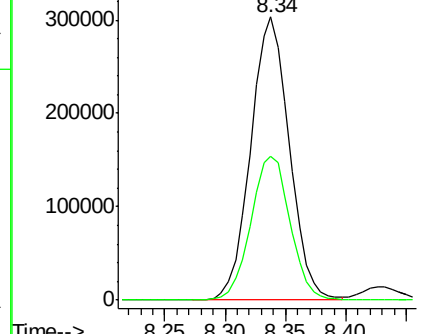
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

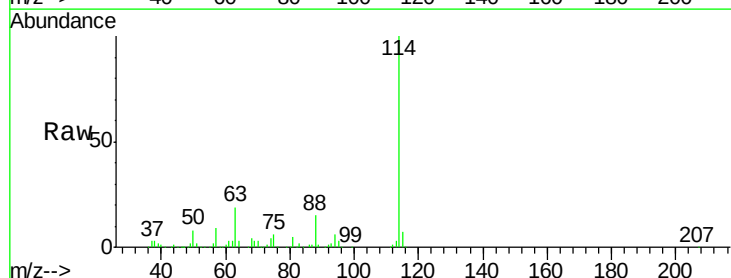
Tgt Ion: 114 Resp: 727472

Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.0

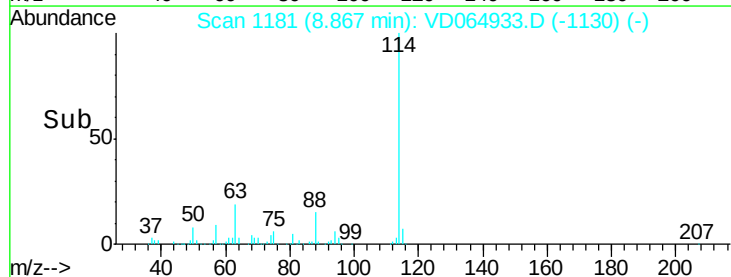
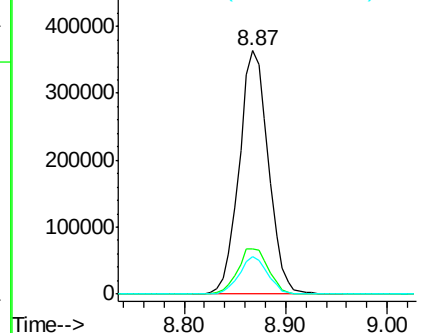
88 15.4 0.0 29.4

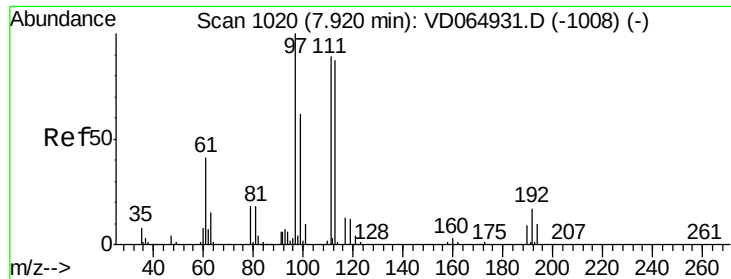


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





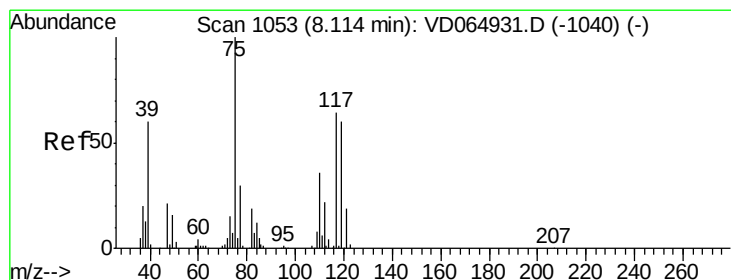
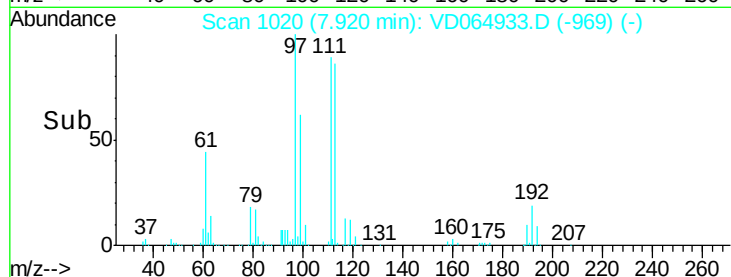
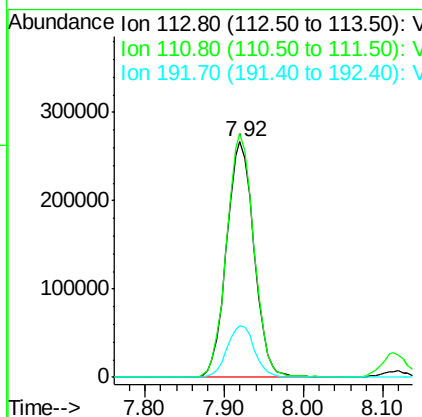
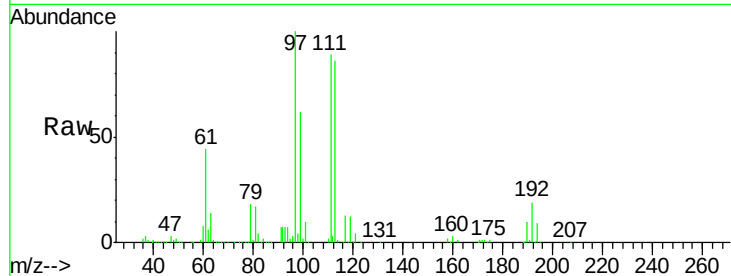
#35
 Dibromofluoromethane
 Concen: 139.151 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	641916		
111	102.4	82.4	123.6	
192	21.7	16.9	25.3	

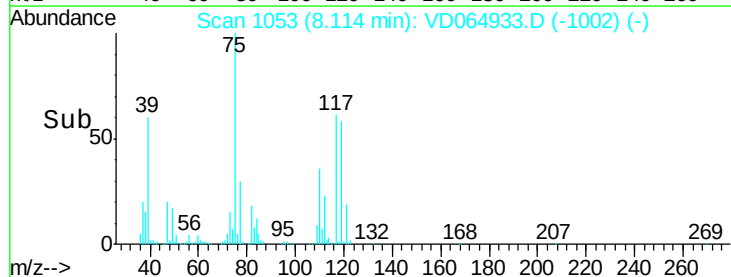
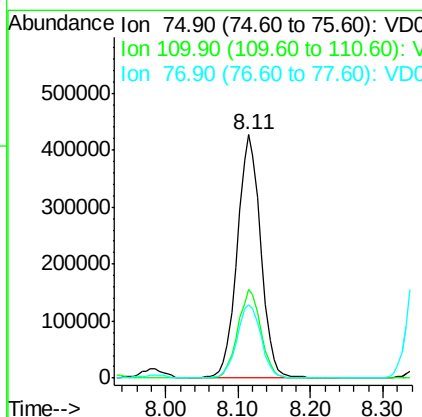
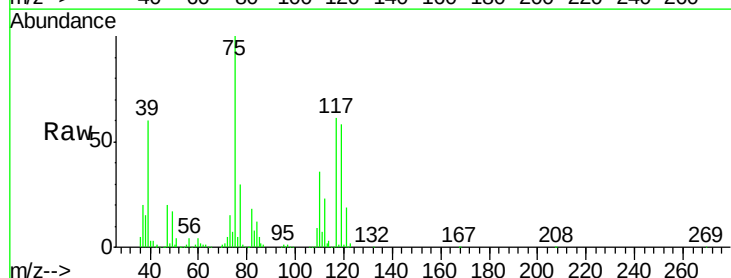
Manual Integrations
 APPROVED

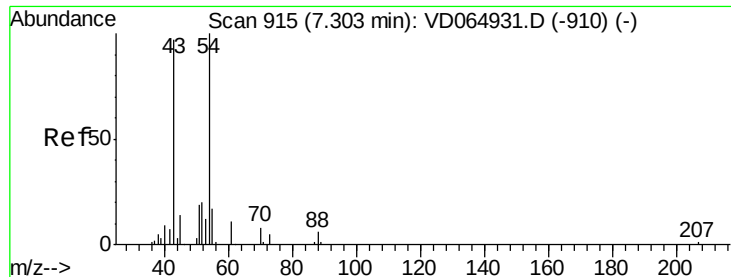
MMDadoda
 1/24/2020 4:02:03 PM



#36
 1,1-Dichloropropene
 Concen: 132.150 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	957338		
110	35.8	17.3	52.0	
77	31.0	24.7	37.1	





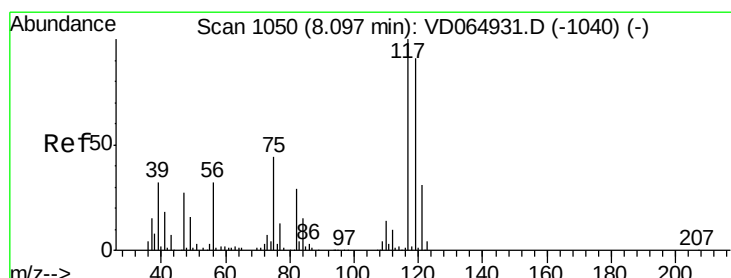
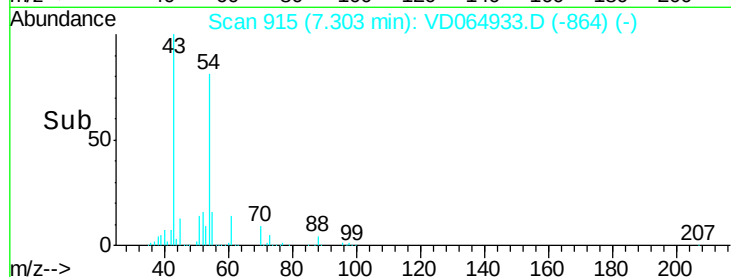
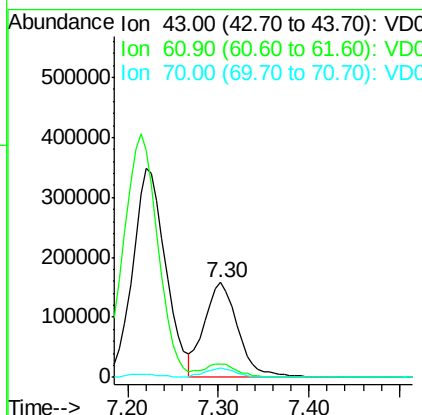
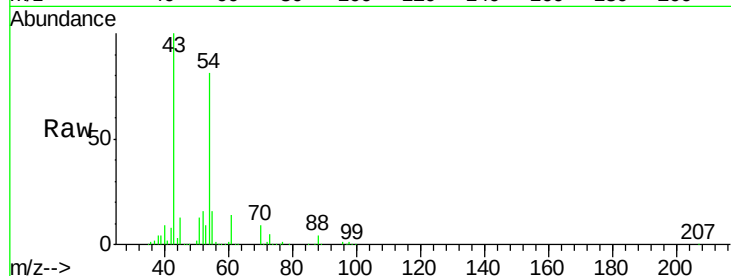
#37
Ethyl Acetate
Concen: 138.190 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.0	16.4
70	9.5	7.5	11.3

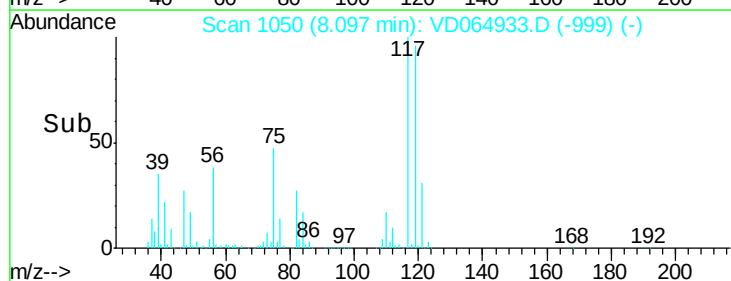
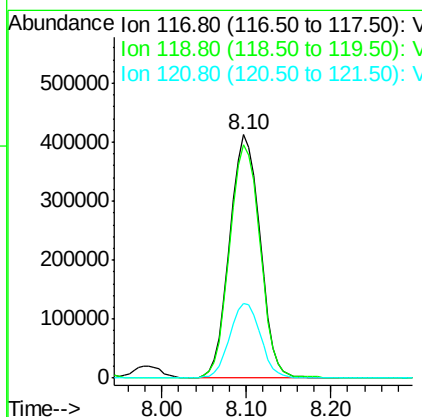
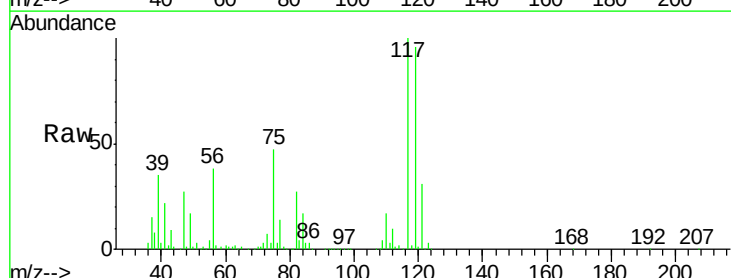
Manual Integrations
APPROVED

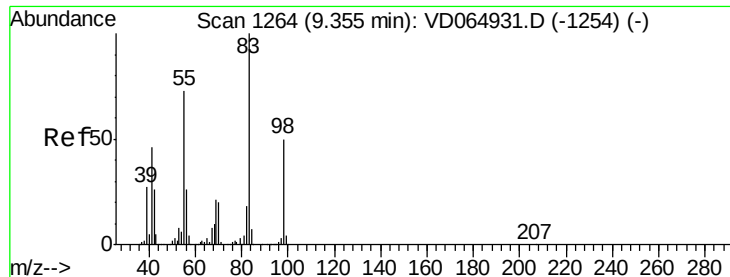
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#38
Carbon Tetrachloride
Concen: 135.720 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	73.2	109.8
121	30.9	24.4	36.6





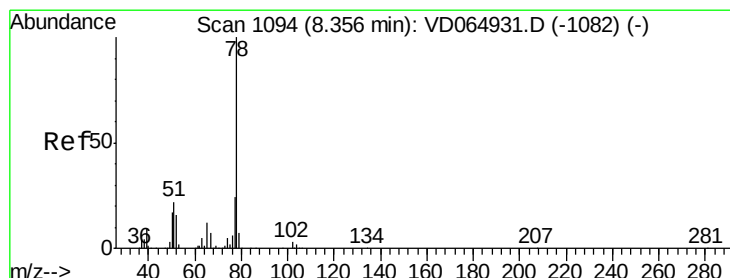
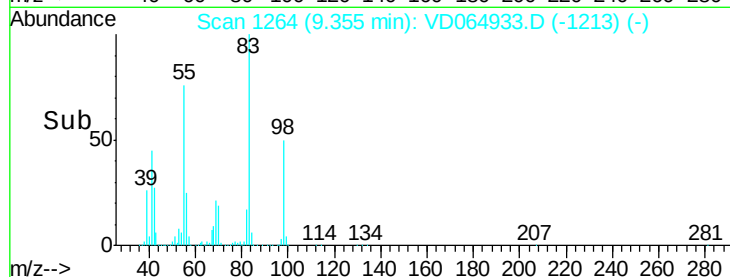
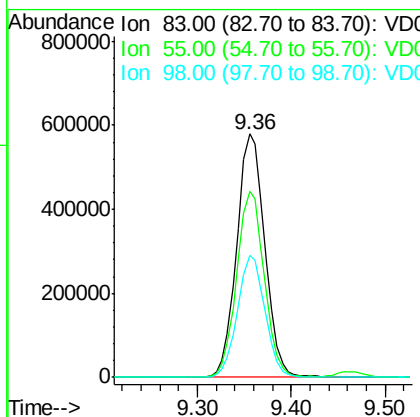
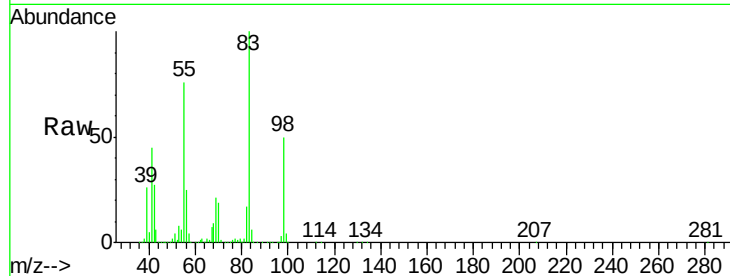
#39
Methylvlcyclohexane
Concen: 143.040 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	1199449
Ion	Ratio	Lower	Upper
83	100		
55	76.2	58.7	88.1
98	50.2	40.2	60.2

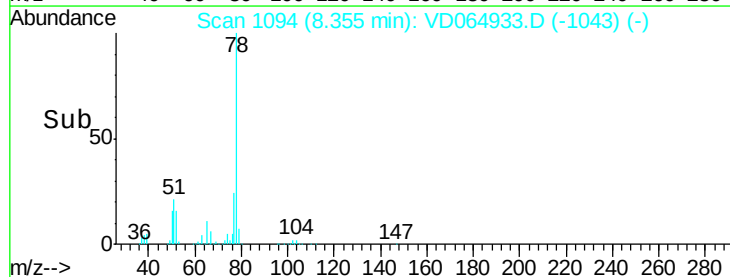
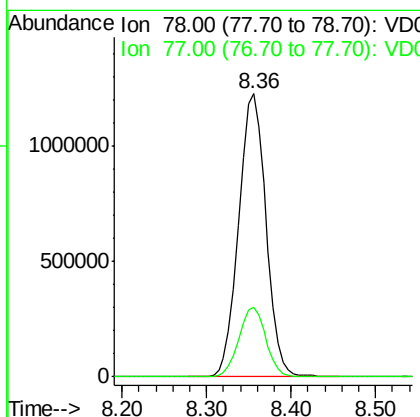
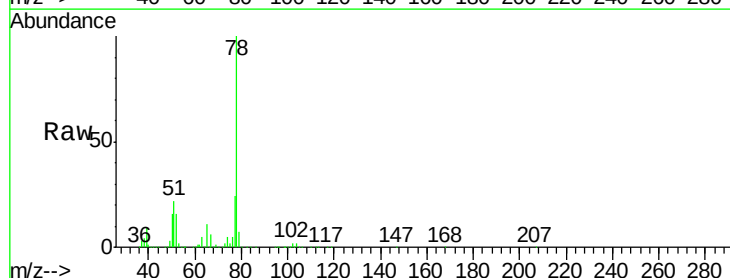
Manual Integrations
APPROVED

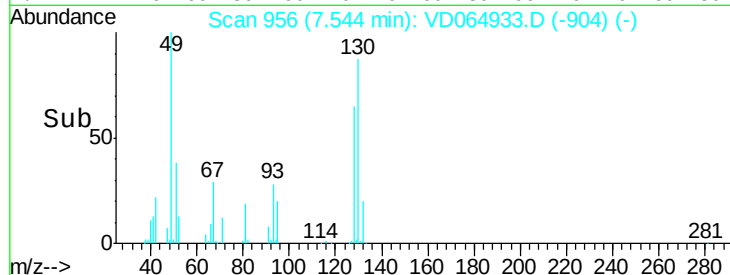
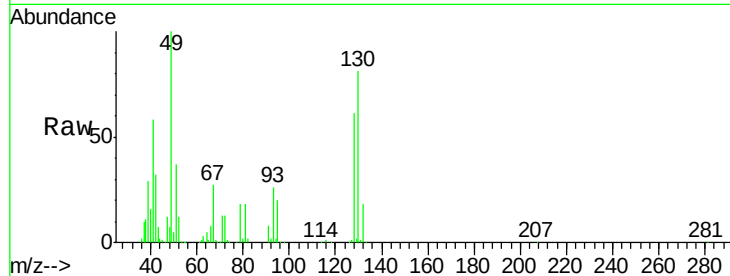
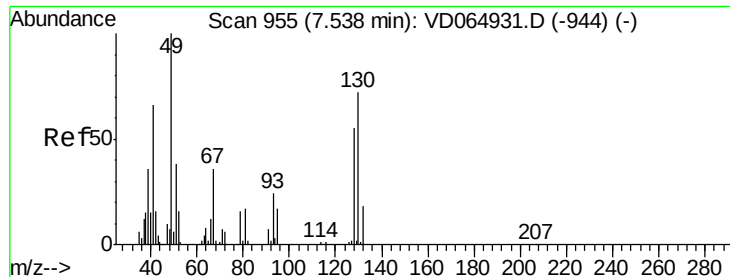
MMDadoda
1/24/2020 4:02:03 PM



#40
Benzene
Concen: 139.171 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion	78	Resp	2747909
Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.2	28.8





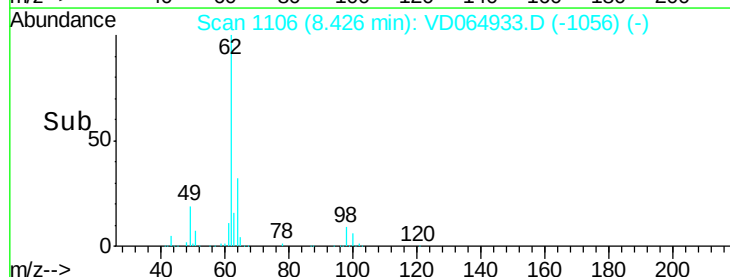
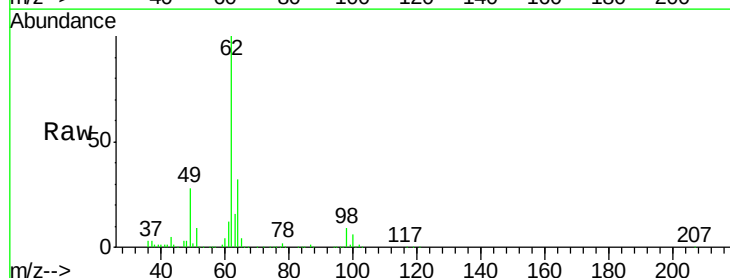
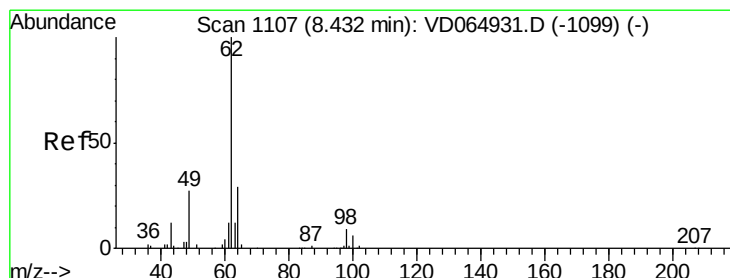
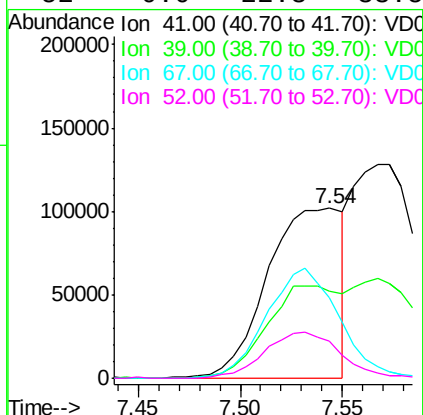
#41
Methacrylonitrile
Concen: 173.419 ug/l m
RT: 7.54 min Scan# 956
Delta R.T. 0.01 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

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

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

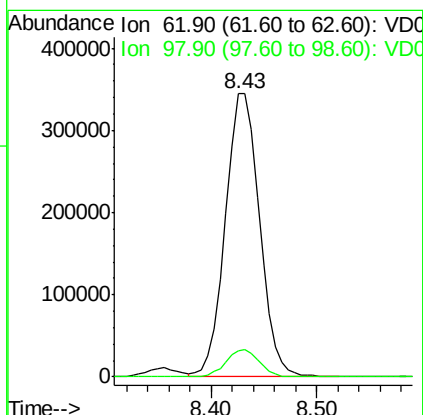
Manual Integrations
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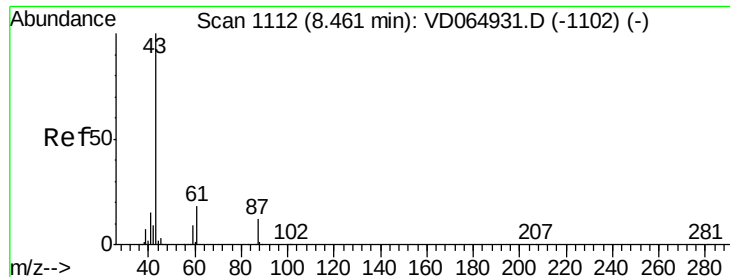
MMDadoda
1/24/2020 4:02:03 PM



#42
1,2-Dichloroethane
Concen: 129.554 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	17.8





#43

Isopropyl Acetate

Concen: 140.136 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

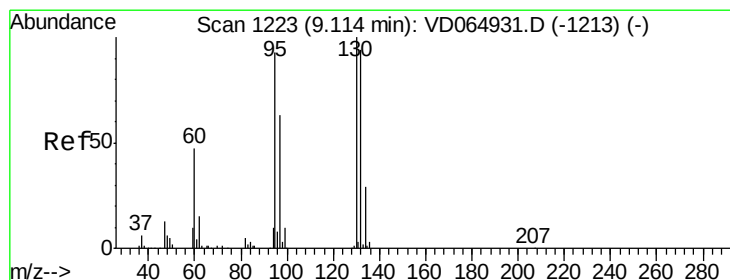
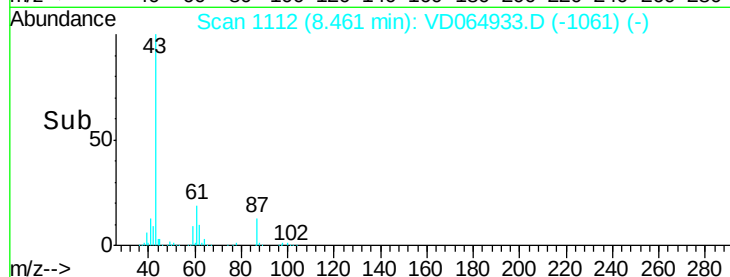
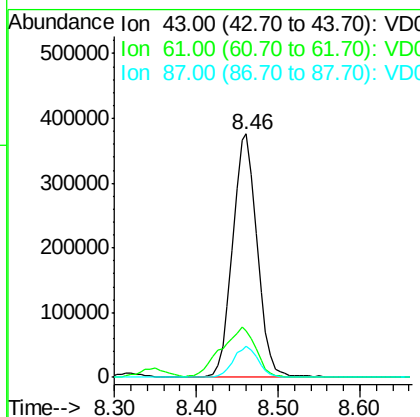
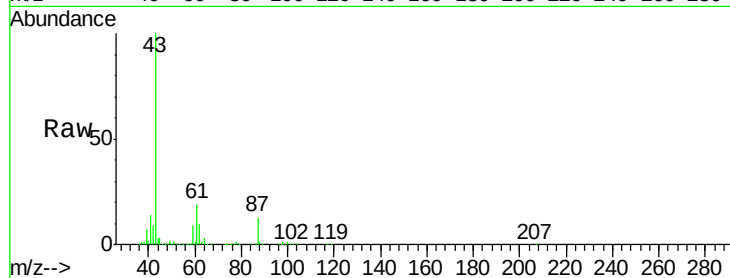
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	784642
Ion	Ratio	Lower	Upper
43	100		
61	29.2	23.8	35.6
87	12.9	10.3	15.5

Manual Integrations
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#44

Trichloroethene

Concen: 131.031 ug/l

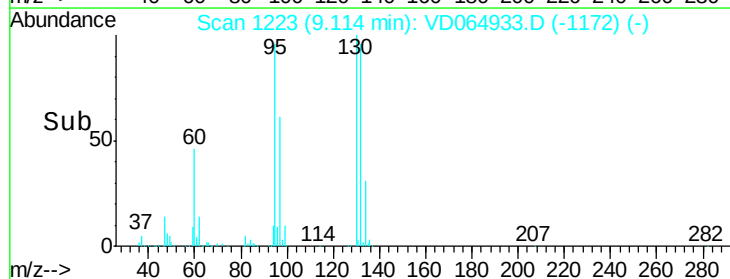
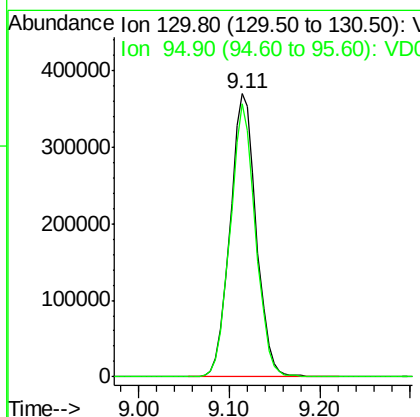
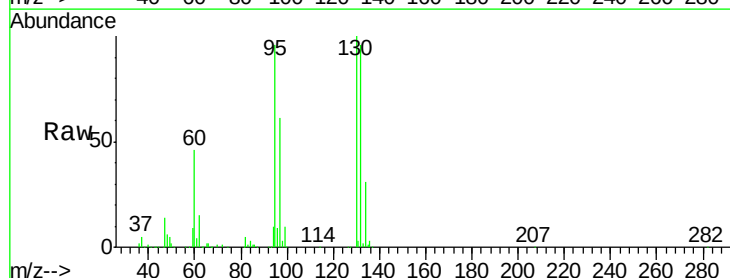
RT: 9.11 min Scan# 1223

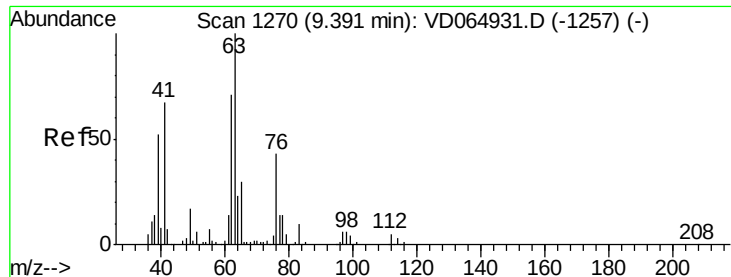
Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Tgt Ion:	130	Resp:	740621
Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	185.8





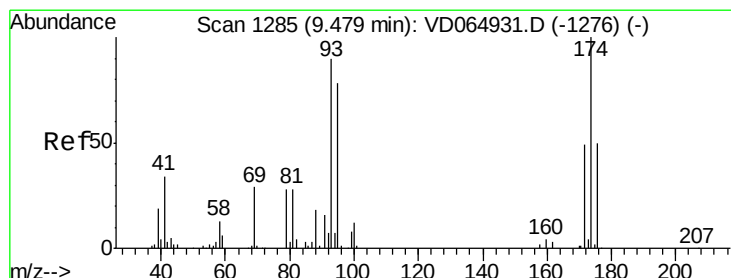
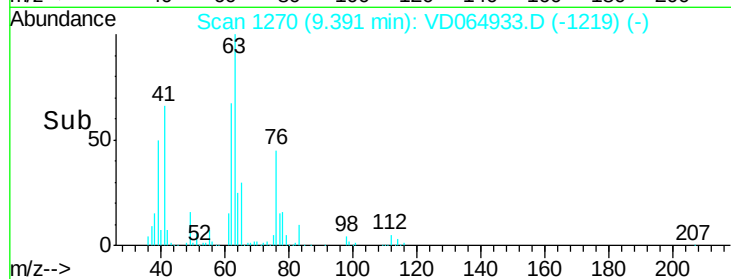
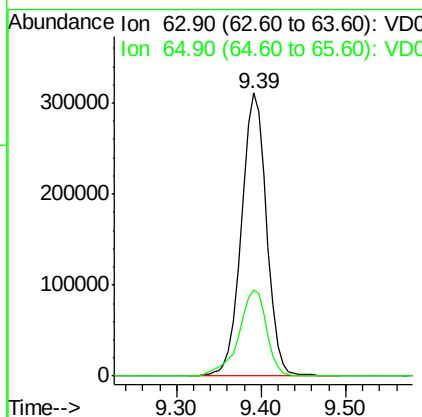
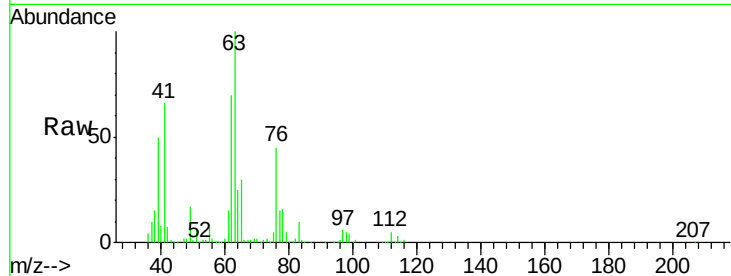
#45
 1,2-Dichloropropane
 Concen: 133.460 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.3	36.5

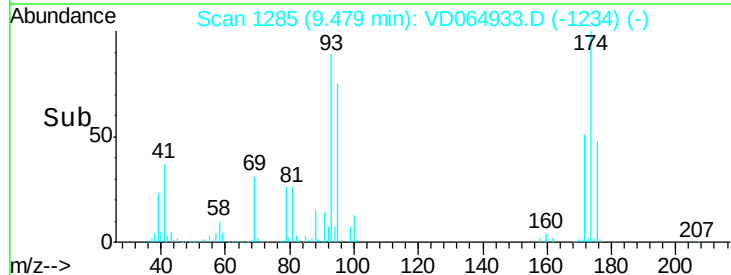
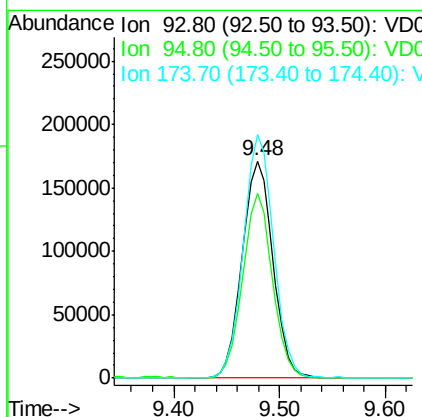
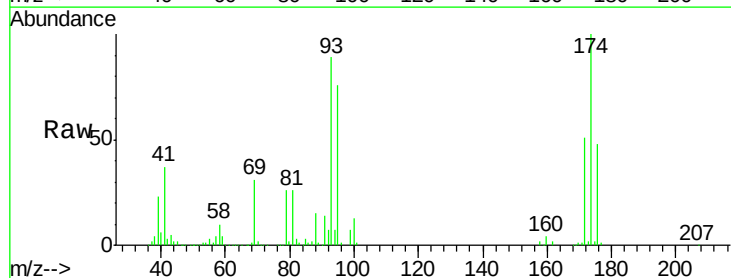
Manual Integrations
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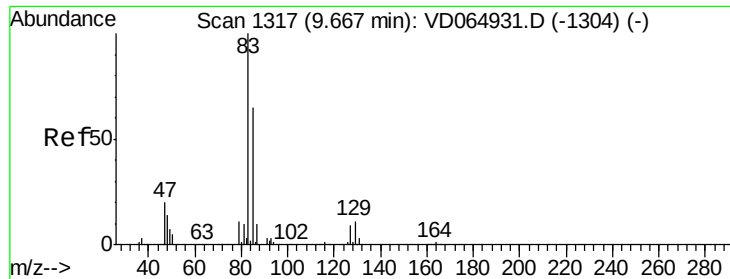
MMDadoda
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#46
 Dibromomethane
 Concen: 132.446 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	67.5	101.3
174	110.6	88.4	132.6





#47

Bromodichloromethane

Concen: 132.849 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

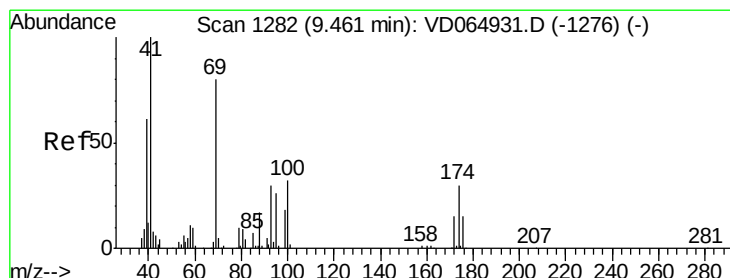
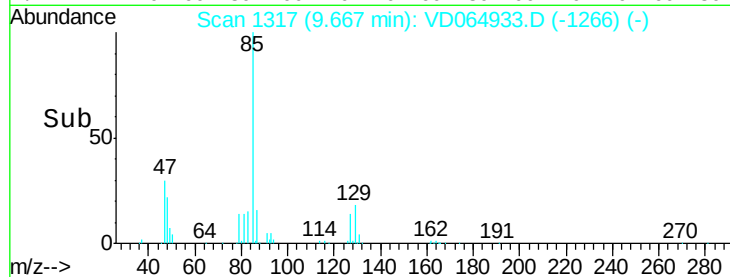
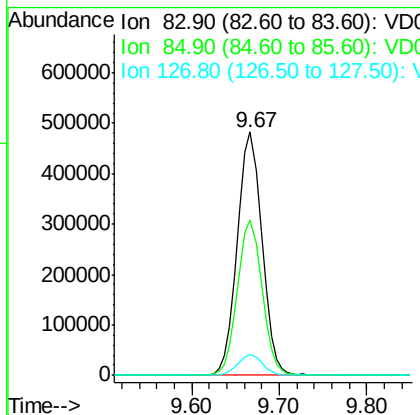
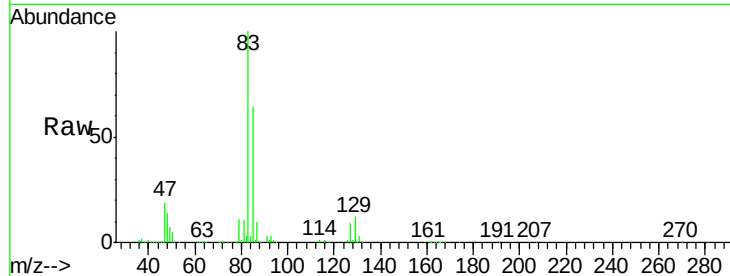
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	918774
Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.0	78.0
127	8.6	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 145.450 ug/l

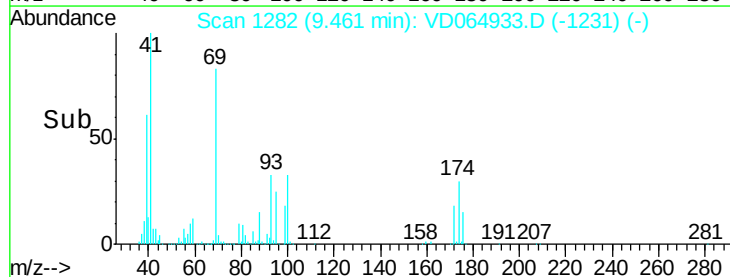
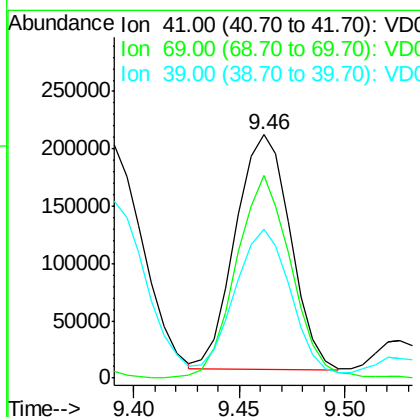
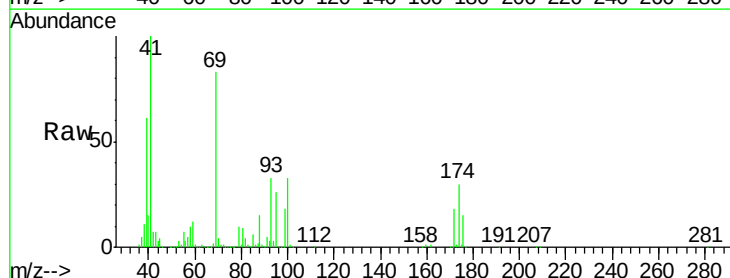
RT: 9.46 min Scan# 1282

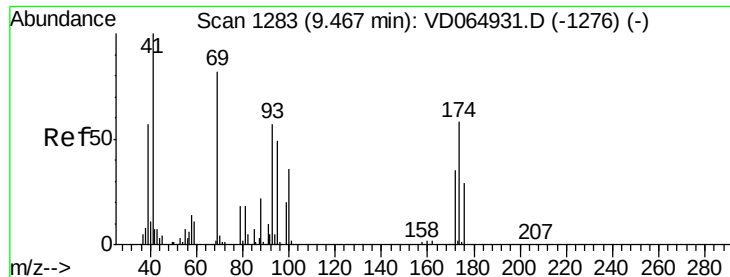
Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Tgt Ion:	41	Resp:	369319
Ion	Ratio	Lower	Upper
41	100		
69	85.9	65.8	98.8
39	61.5	49.4	74.0





#49

1,4-Dioxane

Concen: 2687.354 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 88 Resp: 82480

Ion Ratio Lower Upper

88 100

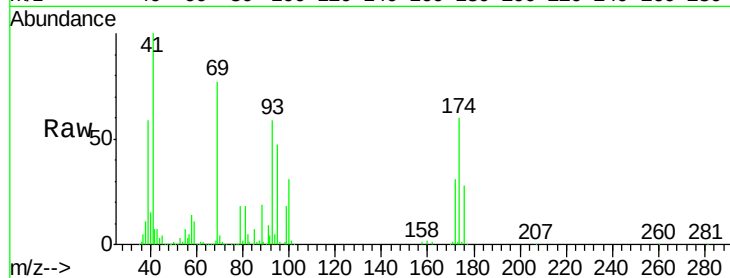
43 35.0 26.2 39.4

58 66.9 50.3 75.5

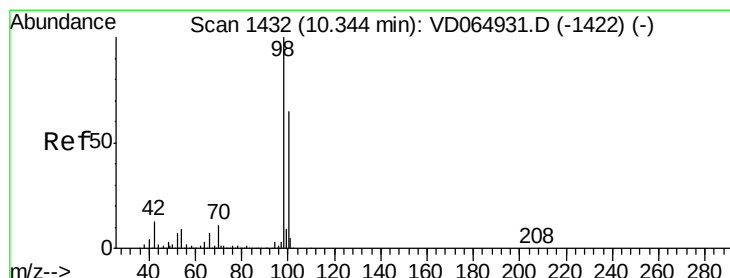
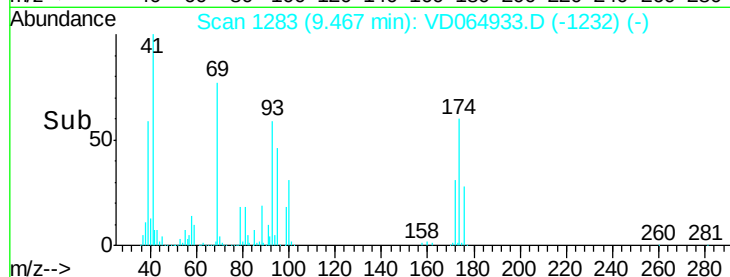
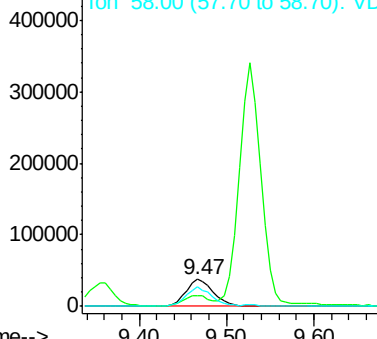
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Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 149.825 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064933.D

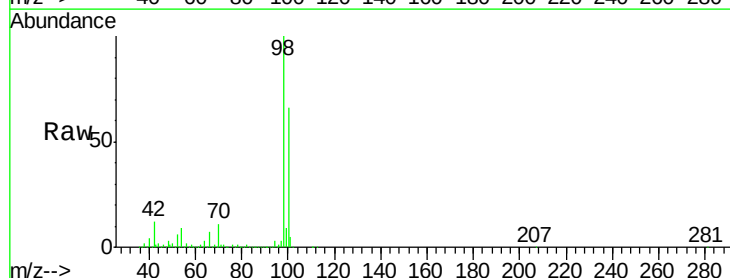
Acq: 23 Jan 2020 13:17

Tgt Ion: 98 Resp: 2634943

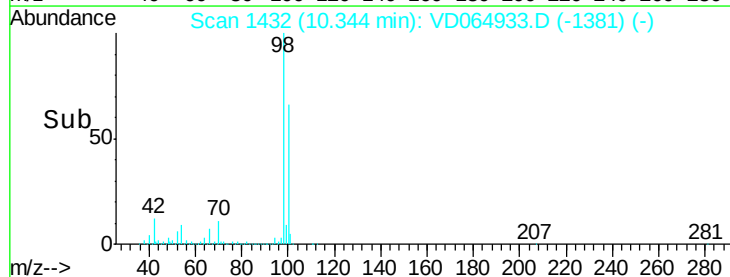
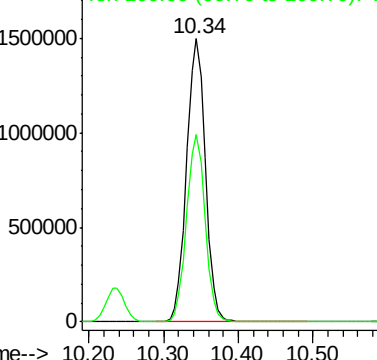
Ion Ratio Lower Upper

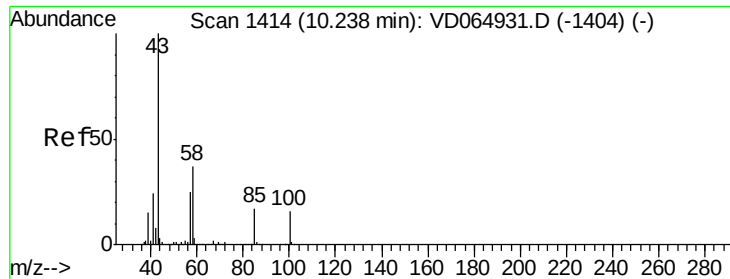
98 100

100 65.3 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





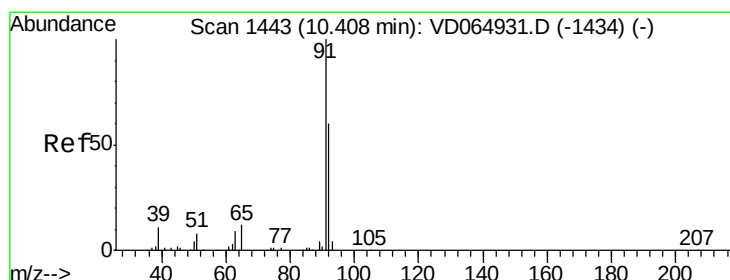
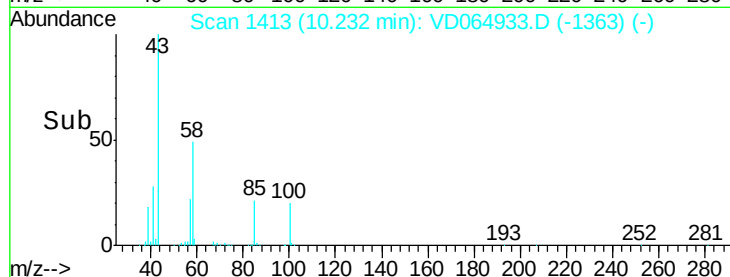
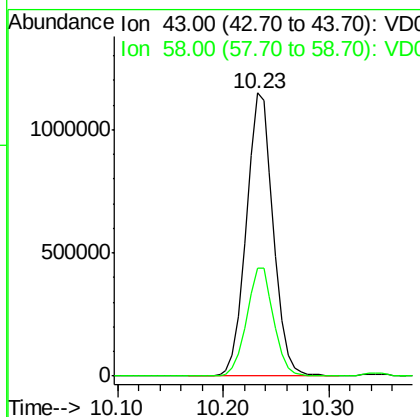
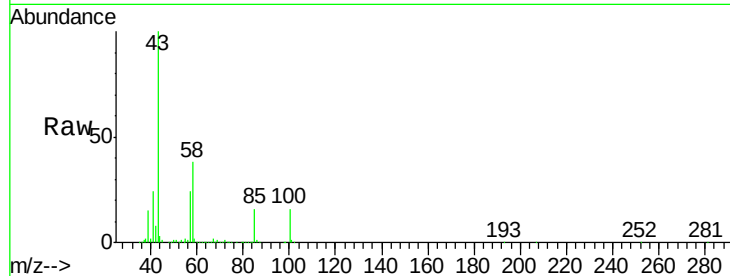
#51
4-Methyl-2-Pentanone
Concen: 733.471 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2036067
Ion Ratio Lower Upper
43 100
58 38.2 30.4 45.6

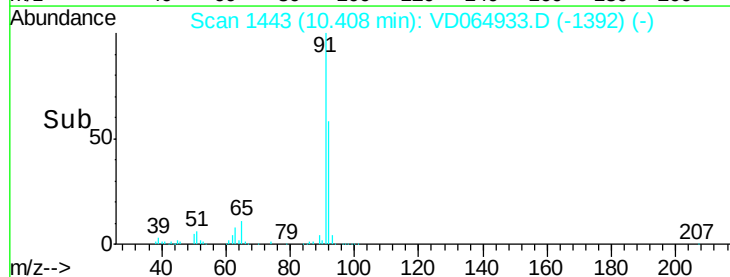
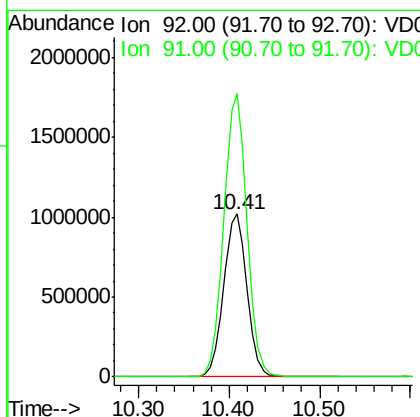
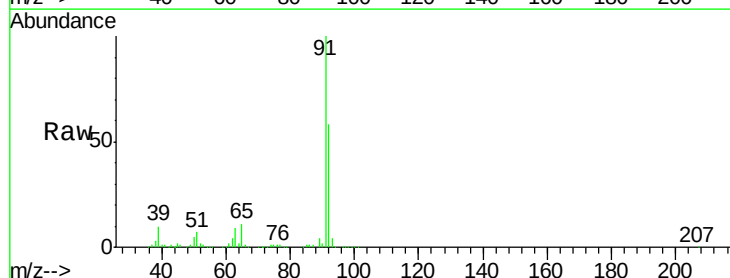
Manual Integrations
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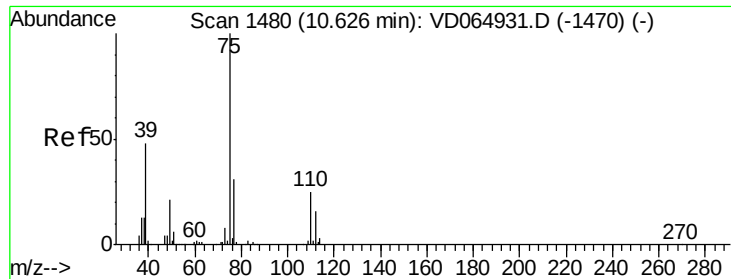
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#52
Toluene
Concen: 142.600 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion: 92 Resp: 1803095
Ion Ratio Lower Upper
92 100
91 173.7 136.8 205.2





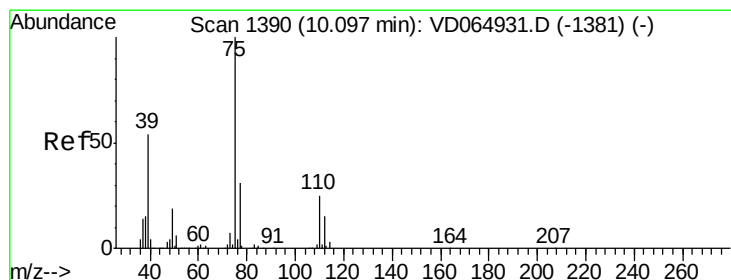
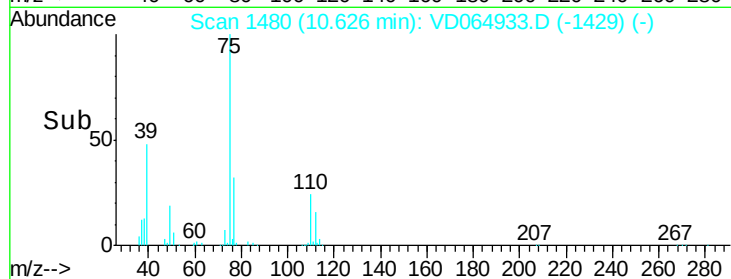
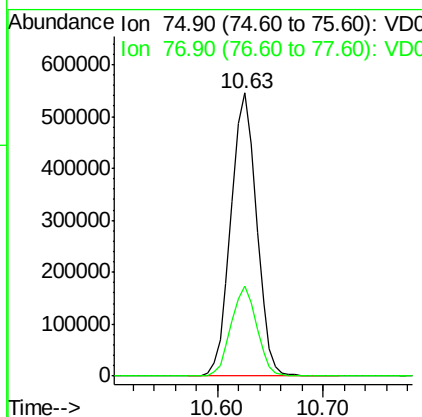
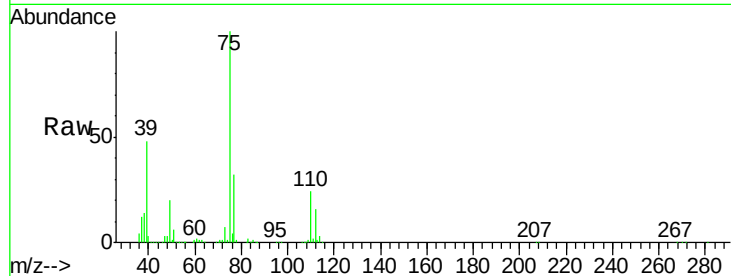
#53
t-1,3-Dichloropropene
Concen: 143.851 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 919734
Ion Ratio Lower Upper
75 100
77 31.8 25.0 37.6

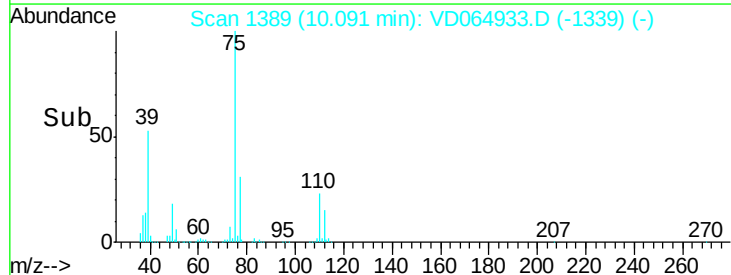
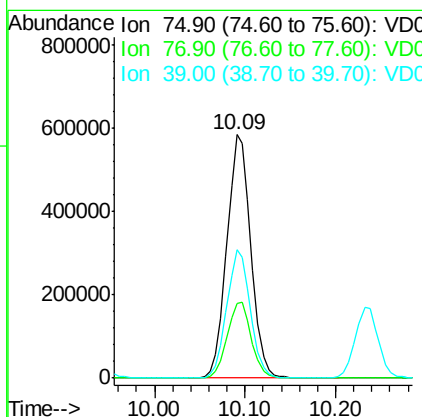
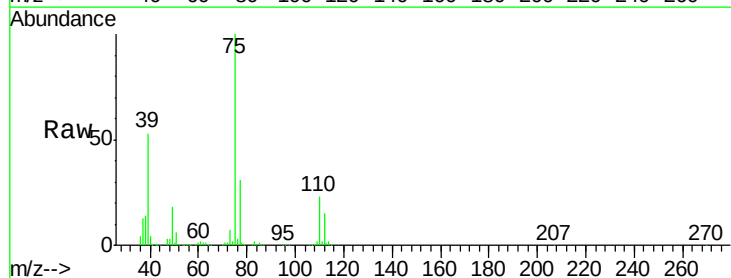
Manual Integrations
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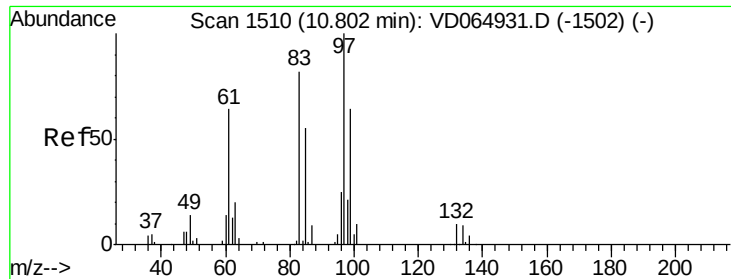
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#54
cis-1,3-Dichloropropene
Concen: 141.269 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion: 75 Resp: 1070309
Ion Ratio Lower Upper
75 100
77 30.8 25.1 37.7
39 52.4 43.0 64.6





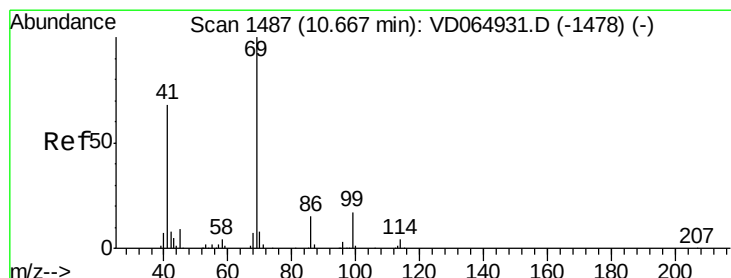
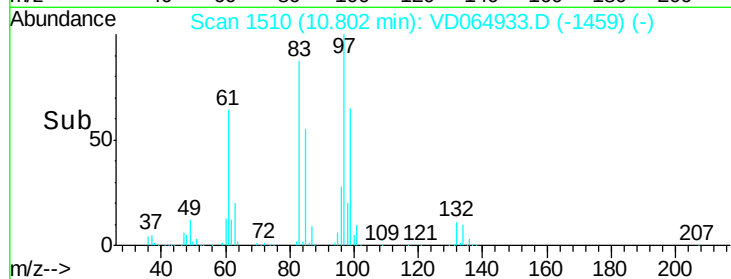
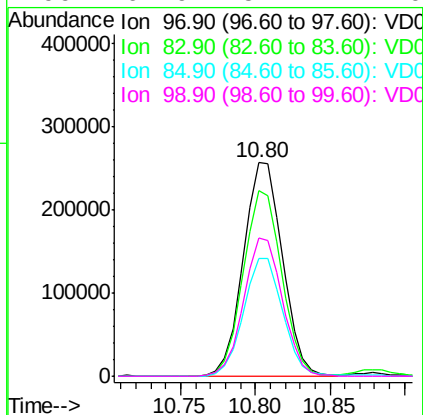
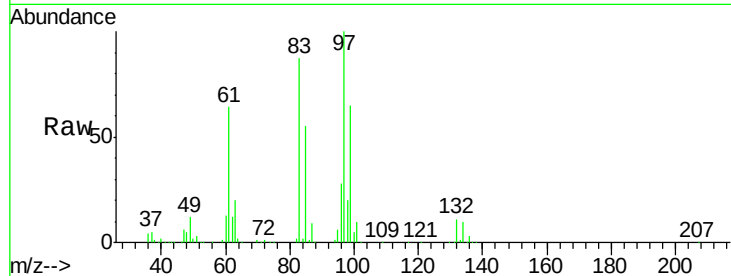
#55
 1,1,2-Trichloroethane
 Concen: 132.114 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
97	100	465222		
83	87.1	66.0	99.0	
85	55.2	44.4	66.6	
99	64.9	51.4	77.0	

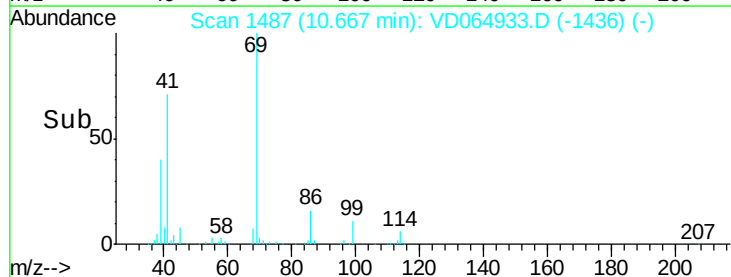
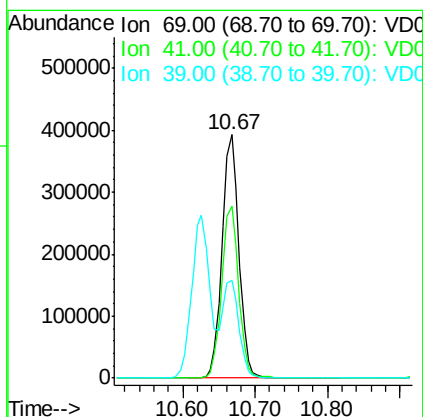
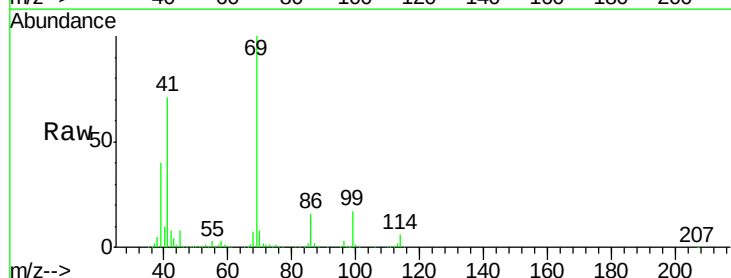
Manual Integrations
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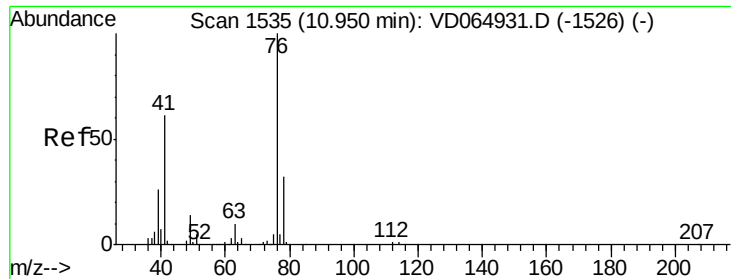
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#56
 Ethyl methacrylate
 Concen: 154.194 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	635325		
41	70.5	56.4	84.6	
39	37.3	30.6	46.0	





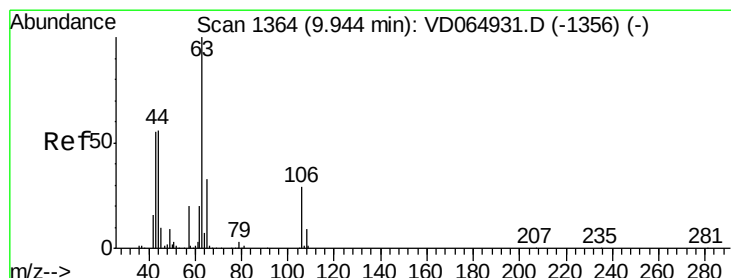
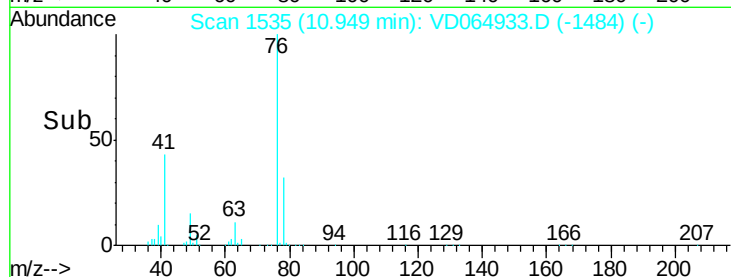
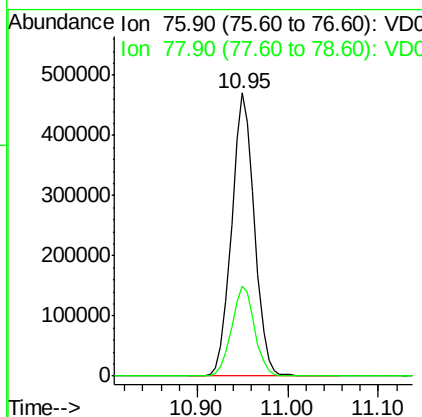
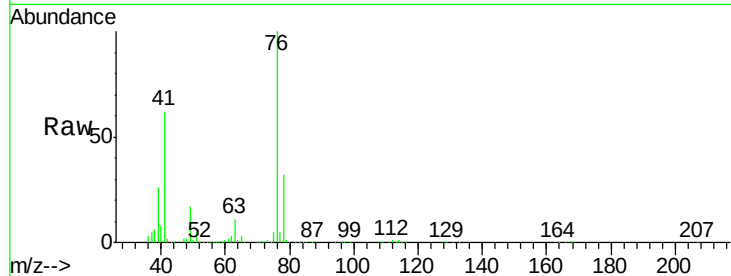
#57
 1,3-Dichloropropane
 Concen: 136.093 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 823563
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5

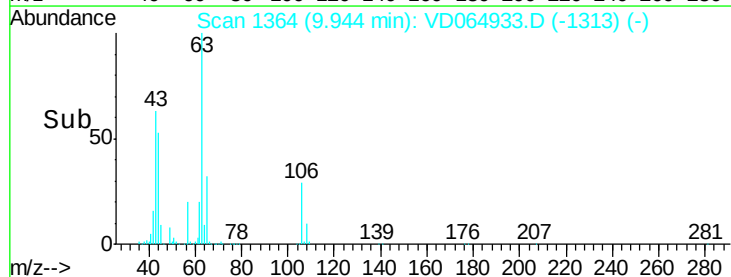
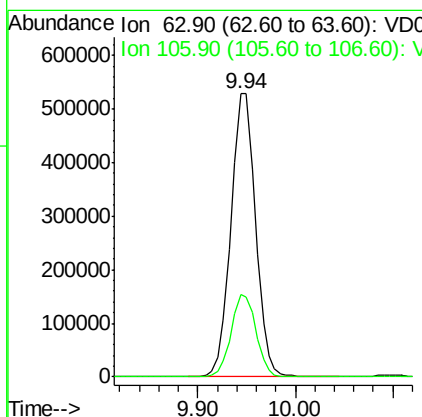
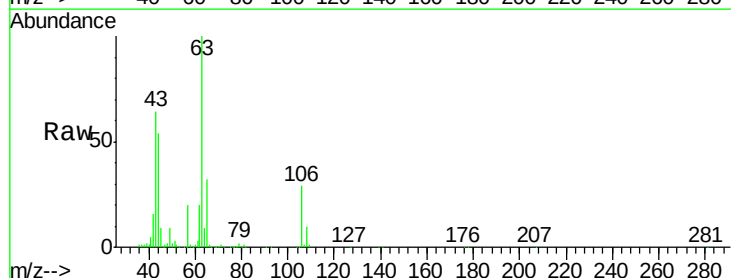
Manual Integrations
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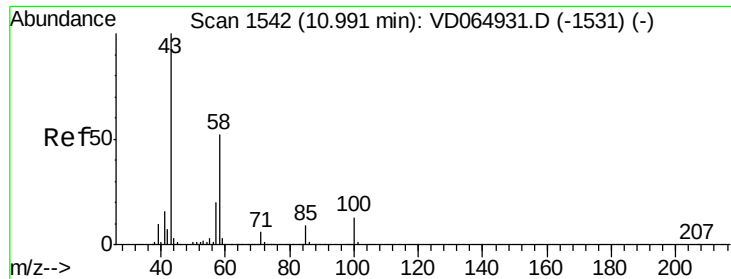
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#58
 2-Chloroethyl Vinyl ether
 Concen: 667.177 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Tgt Ion: 63 Resp: 931616
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.0 34.4





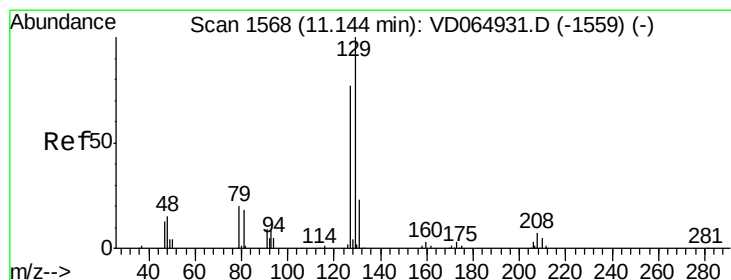
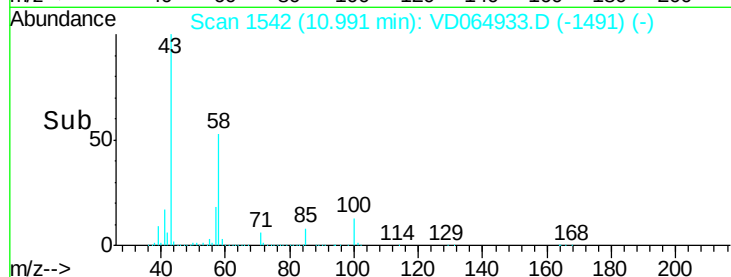
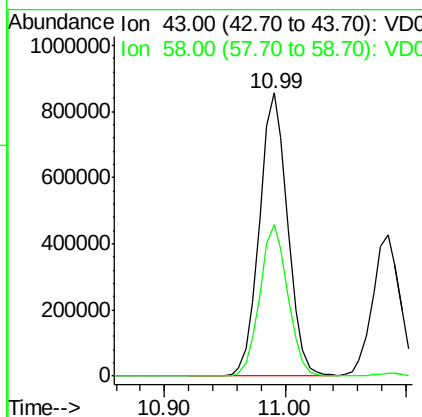
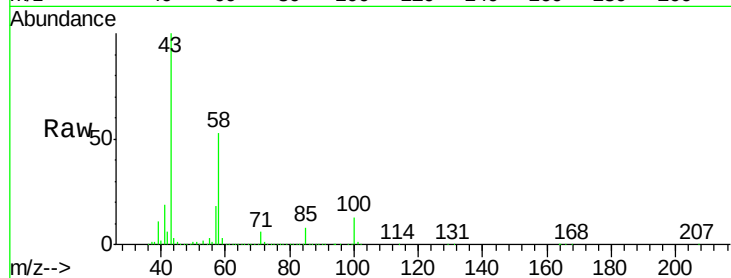
#59
2-Hexanone
Concen: 719.302 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1383152
Ion Ratio Lower Upper
43 100
58 53.1 26.5 79.4

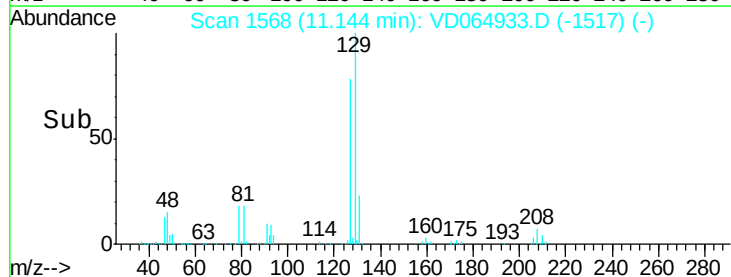
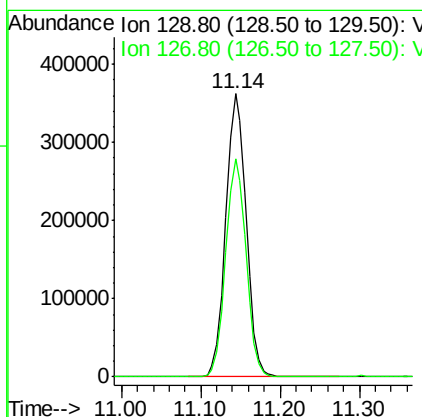
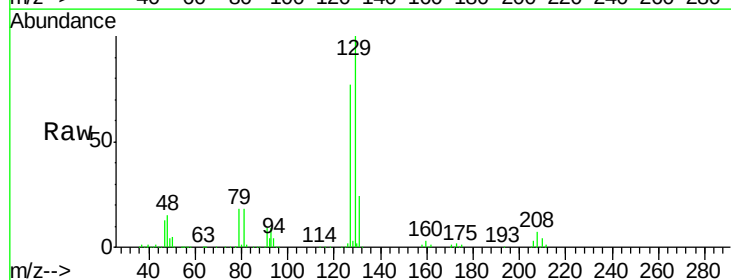
Manual Integrations
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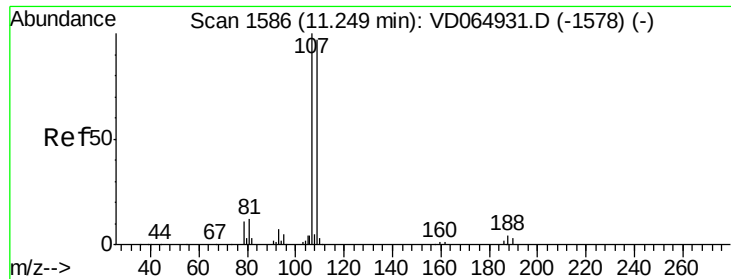
MMDadoda
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#60
Dibromochloromethane
Concen: 137.682 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion: 129 Resp: 645920
Ion Ratio Lower Upper
129 100
127 77.0 38.2 114.6





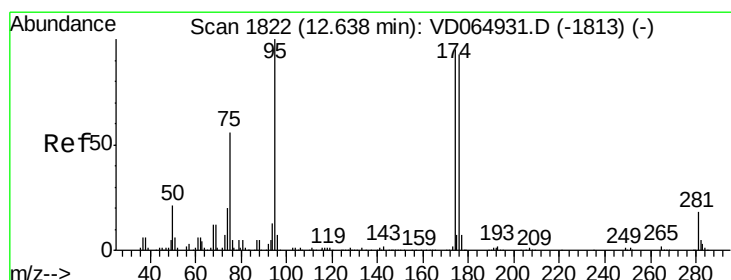
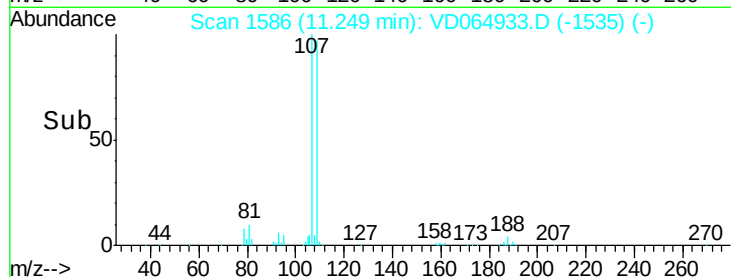
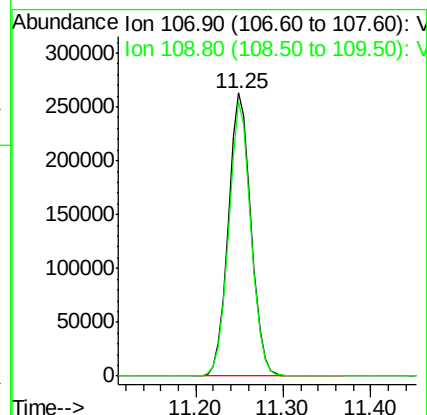
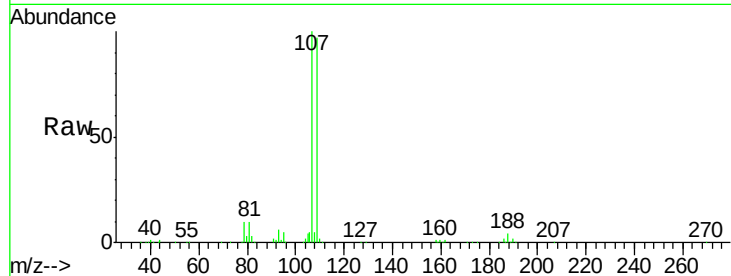
#61
 1,2-Dibromoethane
 Concen: 138.735 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	468195		
109	94.9	77.1	115.7	

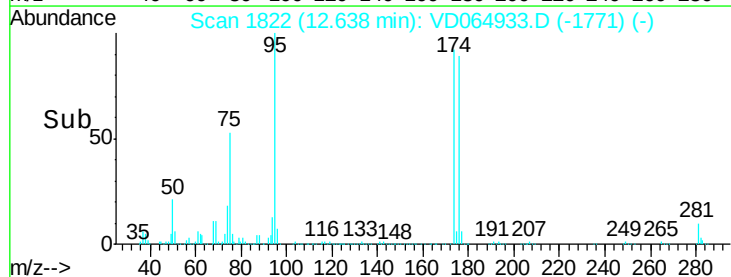
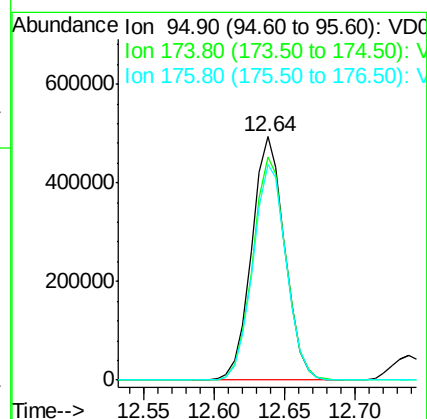
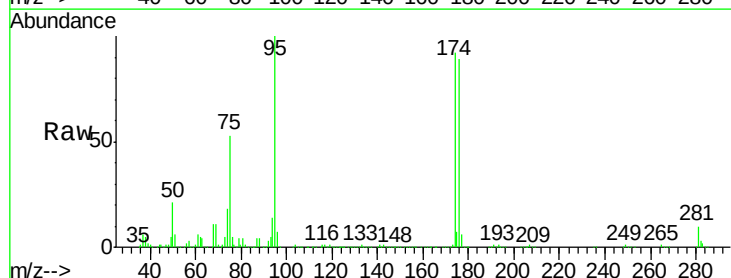
Manual Integrations
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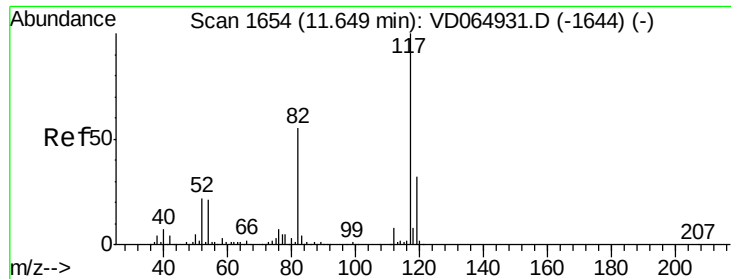
MMDadoda
 1/24/2020 4:02:03 PM



#62
 4-Bromofluorobenzene
 Concen: 147.883 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	809297		
174	92.4	0.0	186.8	
176	89.6	0.0	183.4	





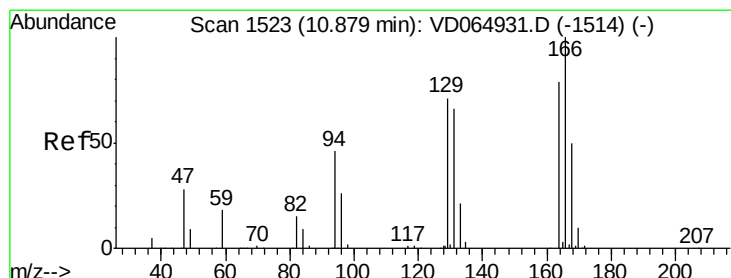
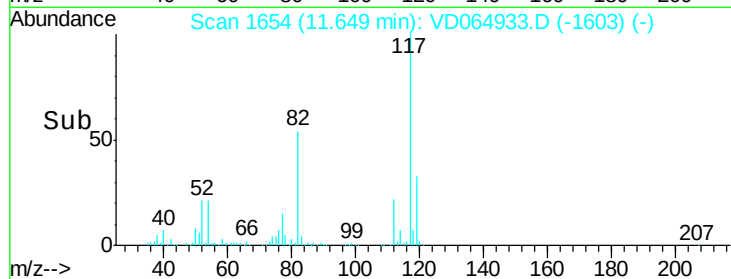
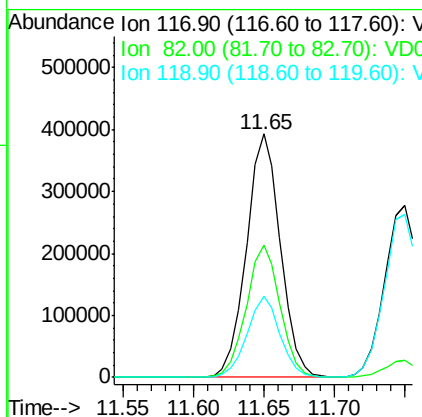
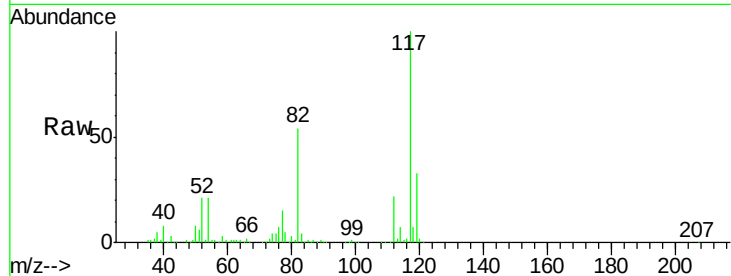
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	661675		
82	54.4		43.6	65.4
119	33.3		25.2	37.8

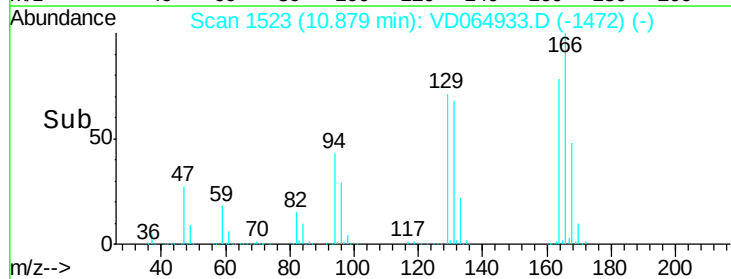
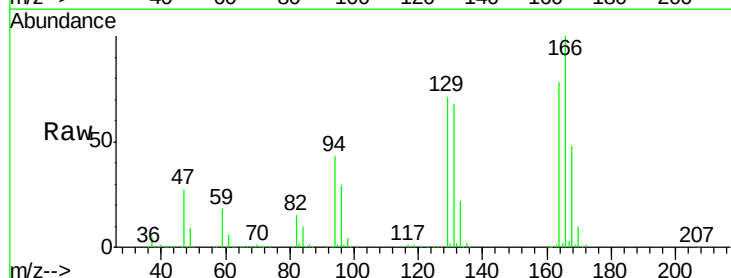
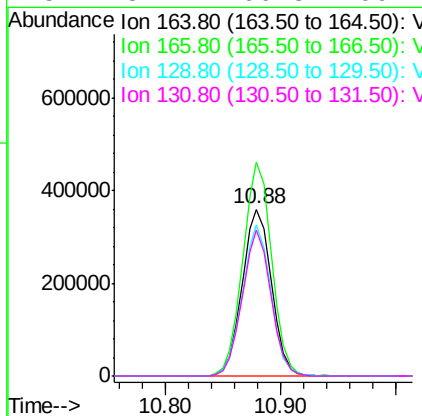
Manual Integrations
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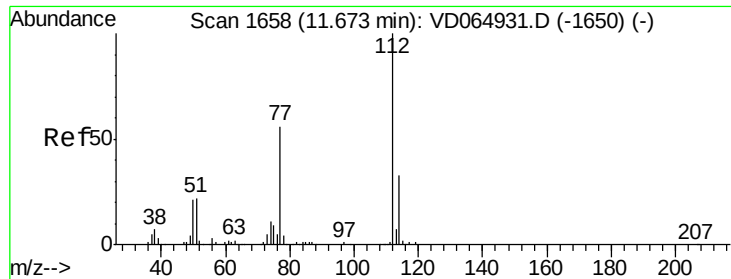
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#64
Tetrachloroethene
Concen: 126.720 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	635186		
166	128.2		101.4	152.2
129	90.9		71.8	107.8
131	87.2		66.8	100.2





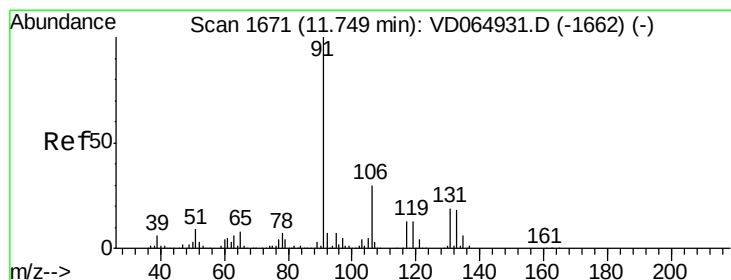
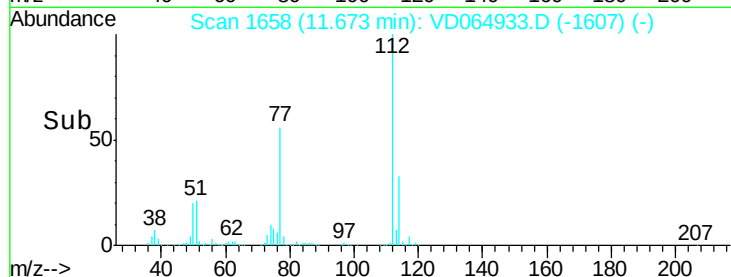
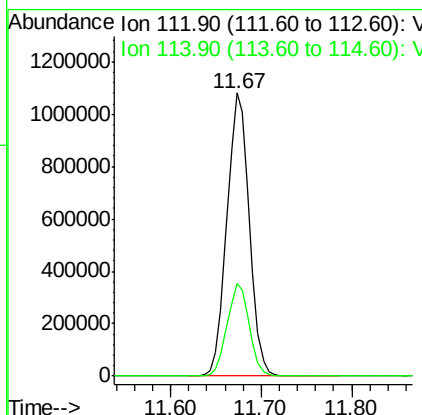
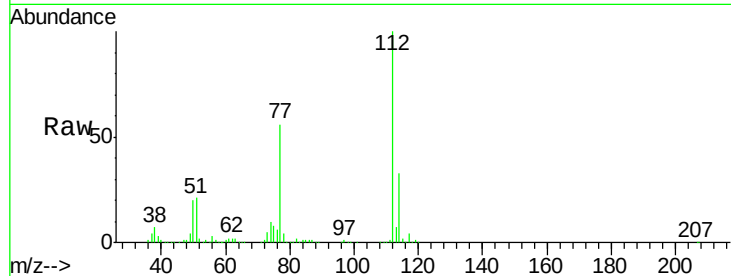
#65
Chlorobenzene
Concen: 133.899 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1850124
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.4

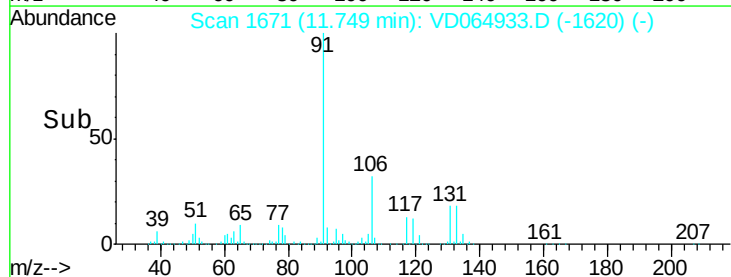
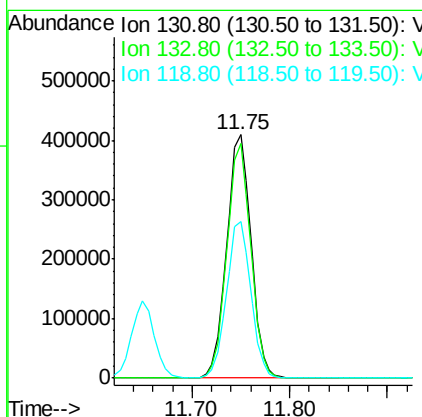
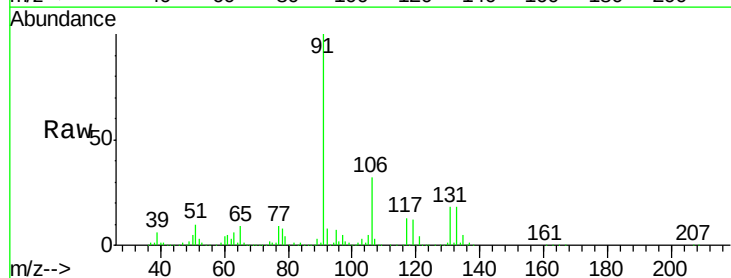
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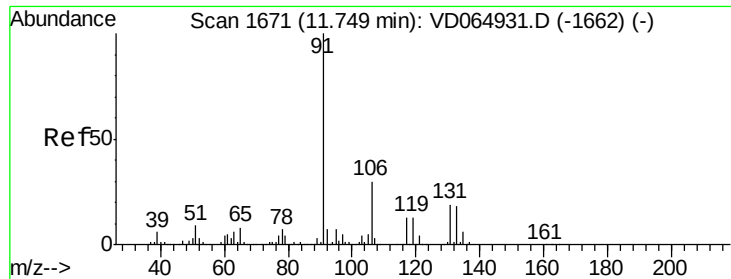
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 137.620 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion:131 Resp: 711928
Ion Ratio Lower Upper
131 100
133 94.5 47.5 142.5
119 64.0 31.1 93.5





#67

Ethyl Benzene

Concen: 144.480 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3496039

Ion Ratio Lower Upper

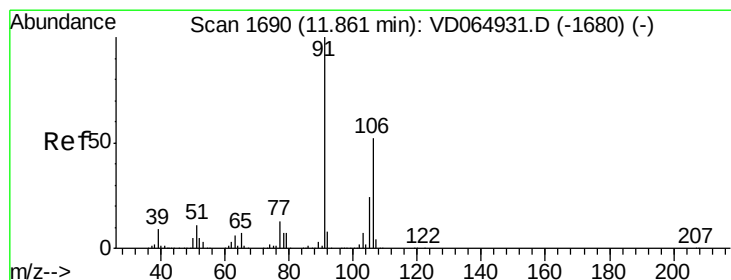
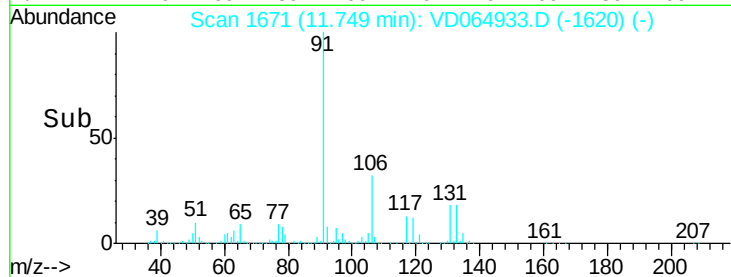
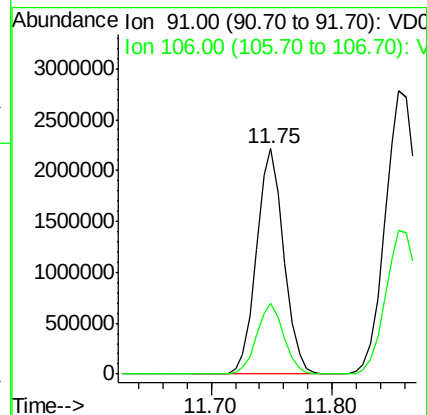
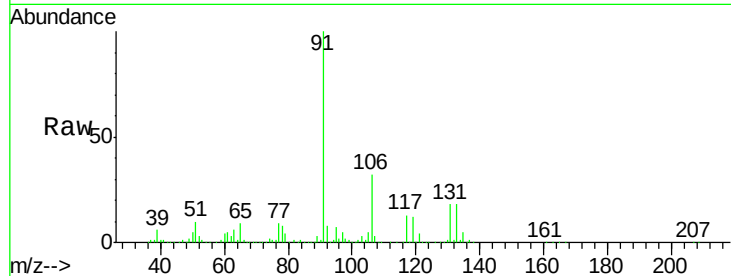
91 100

106 31.6 24.3 36.5

Manual Integrations
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#68

m/p-Xylenes

Concen: 282.842 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD064933.D

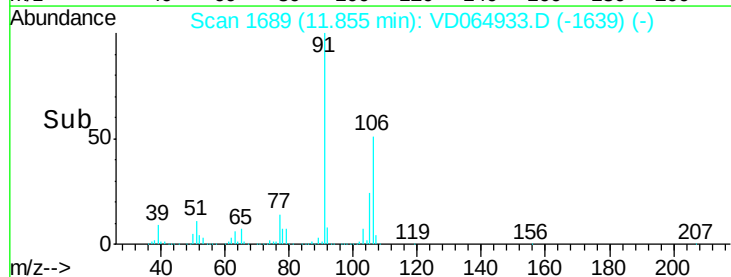
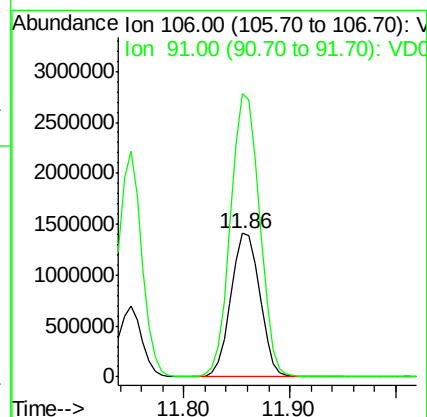
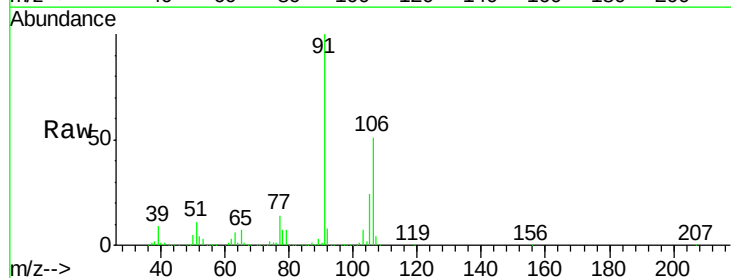
Acq: 23 Jan 2020 13:17

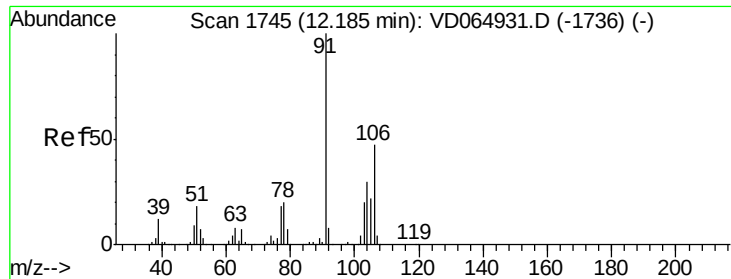
Tgt Ion: 106 Resp: 2672088

Ion Ratio Lower Upper

106 100

91 198.0 159.0 238.4





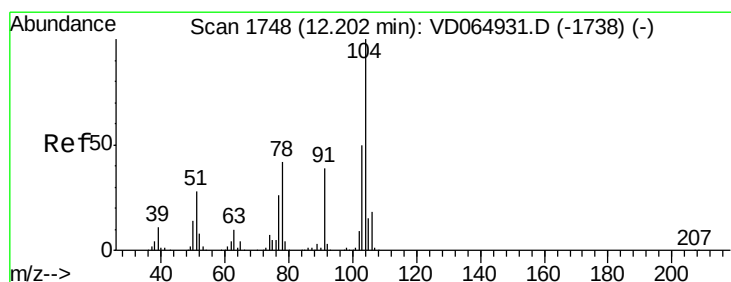
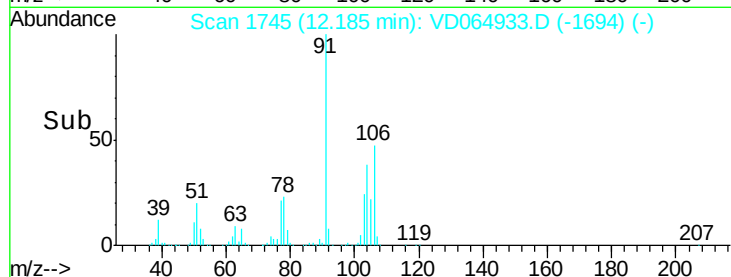
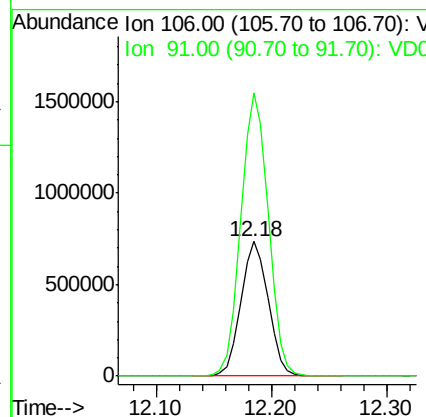
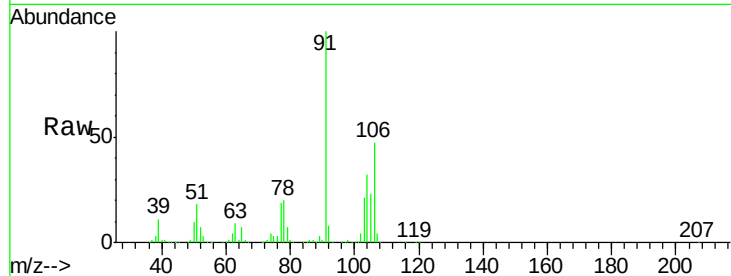
#69
o-Xylene
Concen: 145.491 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1204749
Ion Ratio Lower Upper
106 100
91 211.4 106.7 319.9

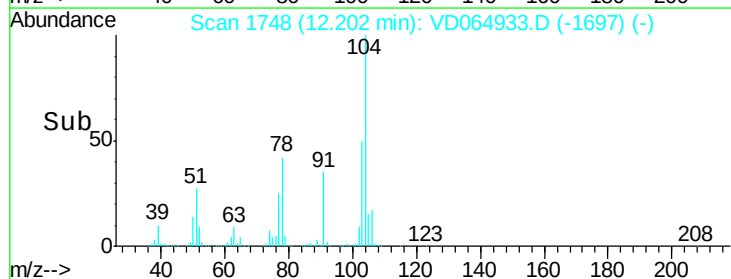
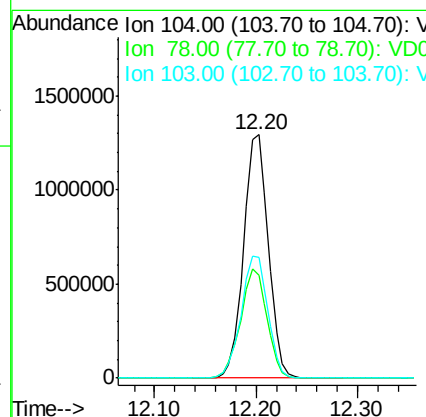
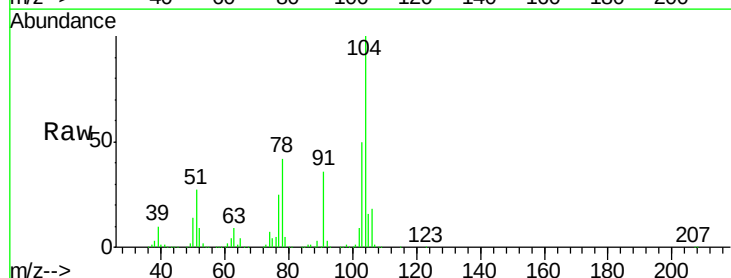
Manual Integrations
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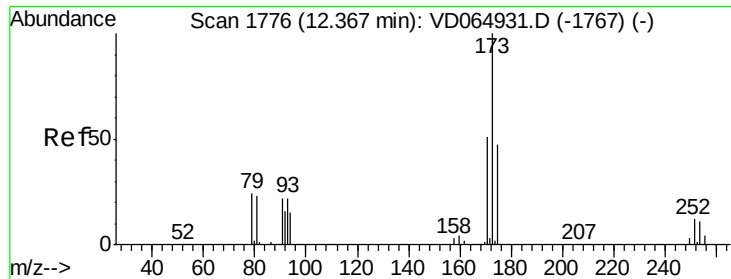
MMDadoda
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#70
Styrene
Concen: 149.207 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion:104 Resp: 2188127
Ion Ratio Lower Upper
104 100
78 48.1 38.3 57.5
103 54.2 43.5 65.3





#71

Bromoform

Concen: 135.777 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

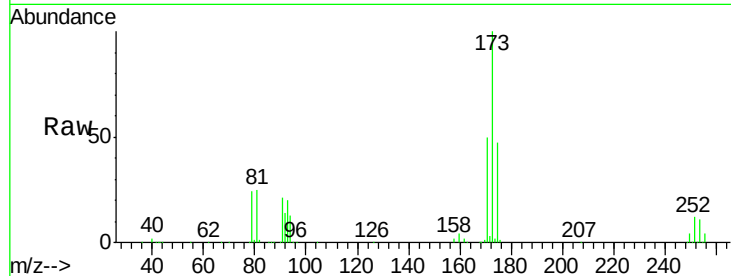
ClientSampleId :

VSTDIC150

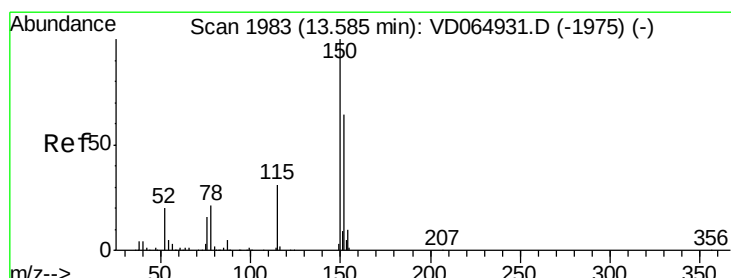
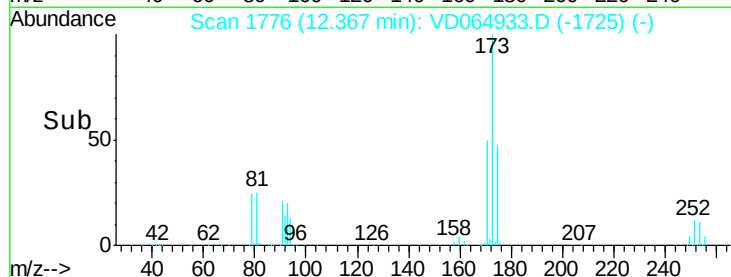
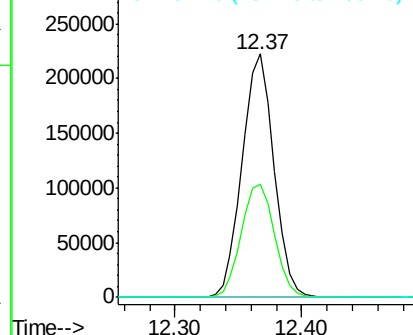
Tot Ion:	173	Resp:	387991
Ion Ratio	Lower	Upper	
173	100		
175	48.7	24.6	73.8
254	0.2	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

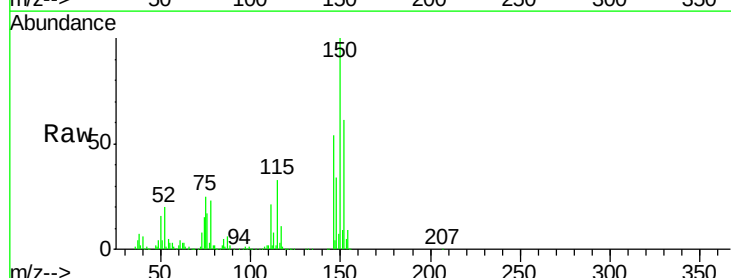
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

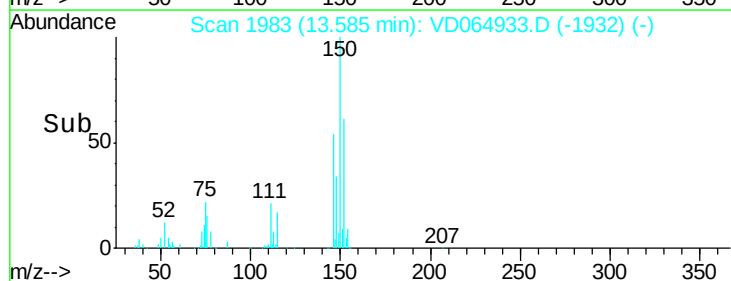
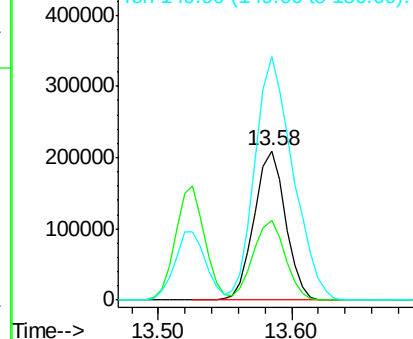
Lab File: VD064933.D

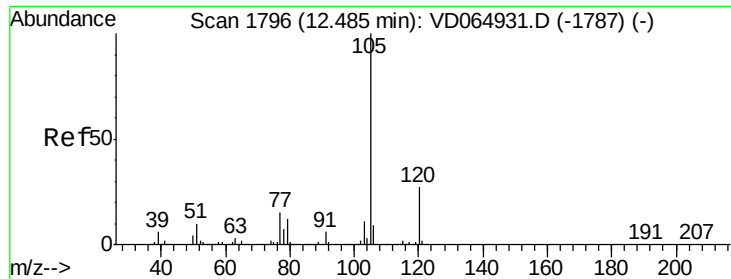
Acq: 23 Jan 2020 13:17

Tgt Ion:	152	Resp:	338245
Ion Ratio	Lower	Upper	
152	100		
115	54.3	28.1	84.4
150	199.4	0.0	350.4



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





#73

Isopropylbenzene

Concen: 139.039 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3294981

Ion Ratio Lower Upper

105 100

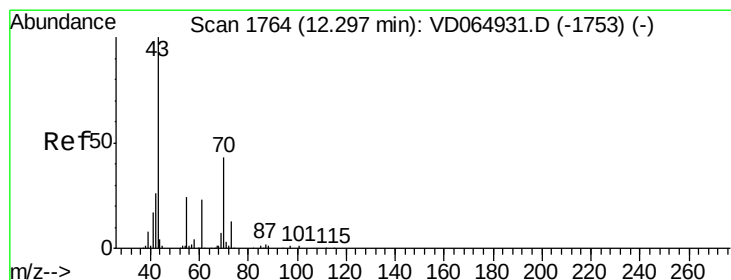
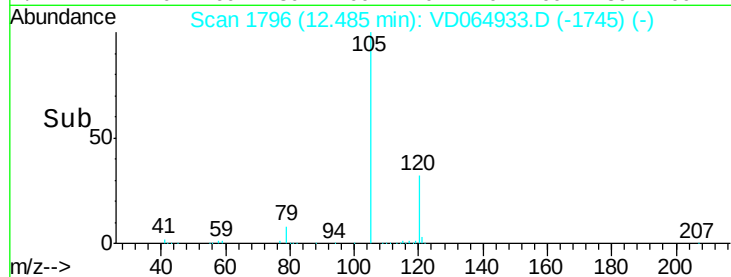
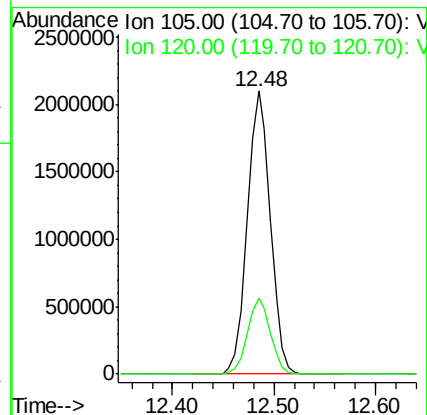
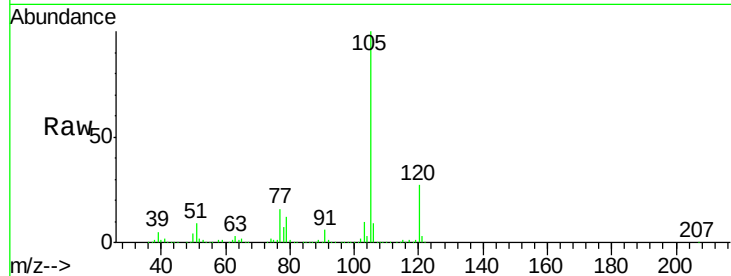
120 26.6 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 144.821 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Tgt Ion: 43 Resp: 752039

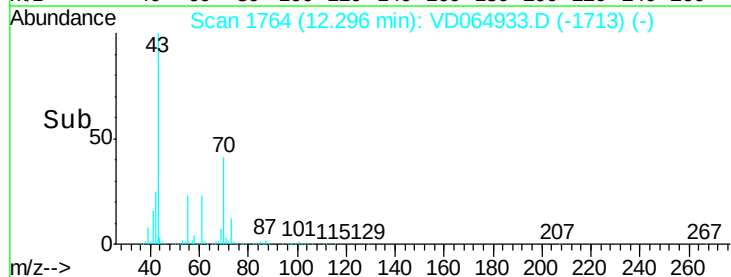
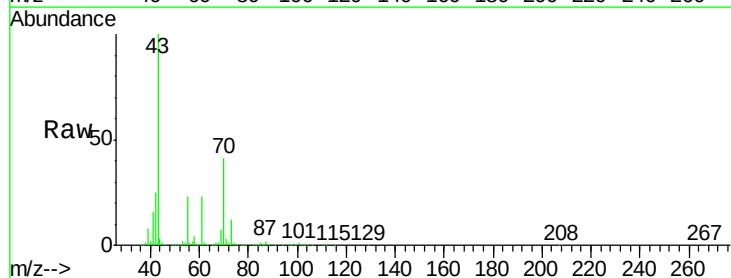
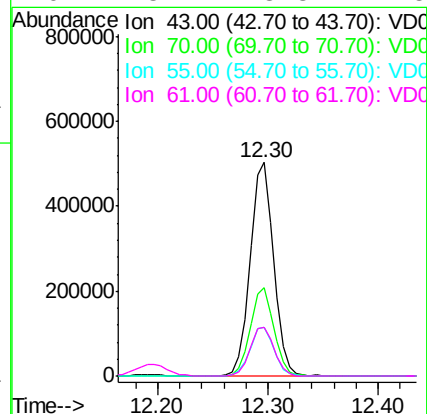
Ion Ratio Lower Upper

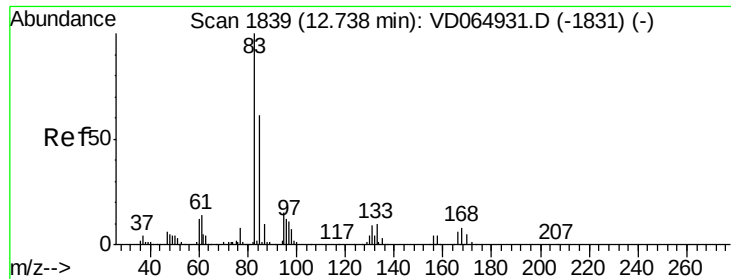
43 100

70 41.7 32.6 49.0

55 23.4 19.9 29.9

61 23.4 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 126.494 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

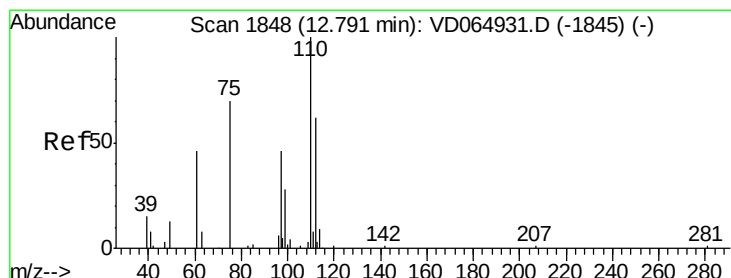
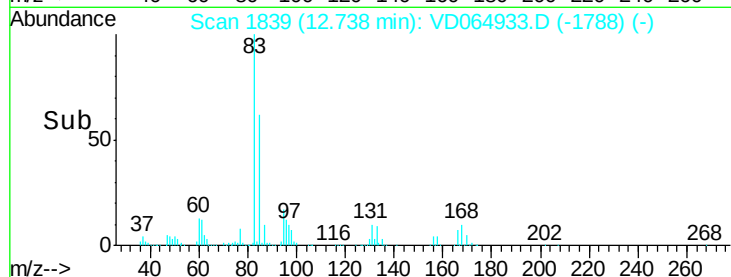
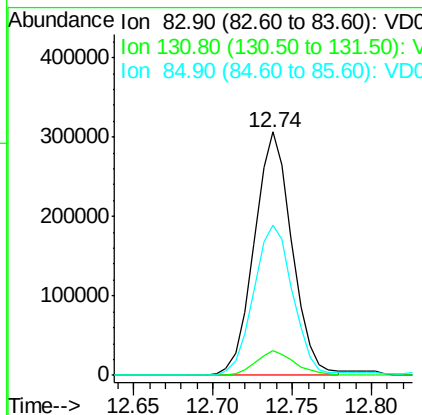
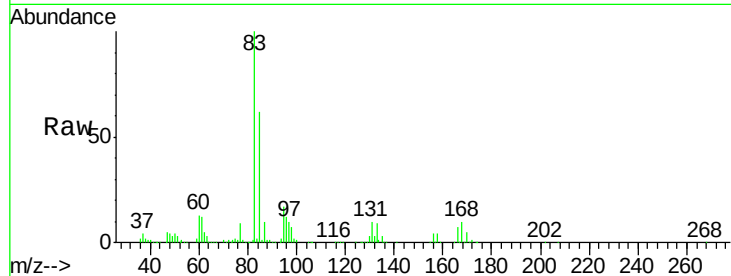
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	507122
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.5	16.4
85	64.0	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 107.431 ug/l m

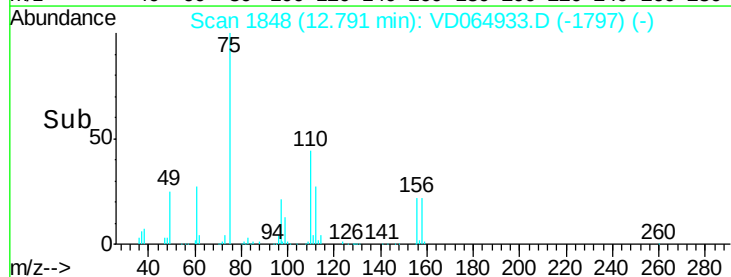
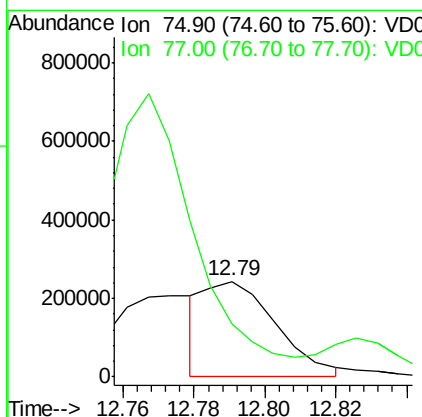
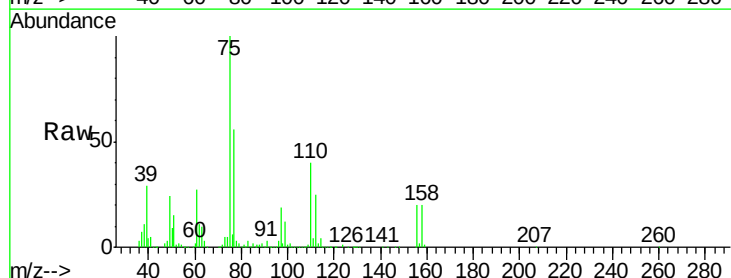
RT: 12.79 min Scan# 1848

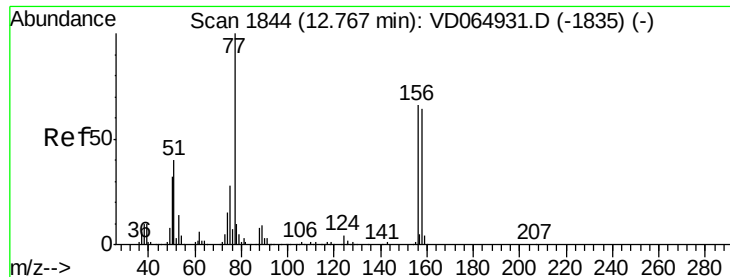
Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Tgt Ion:	75	Resp:	340498
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 133.403 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

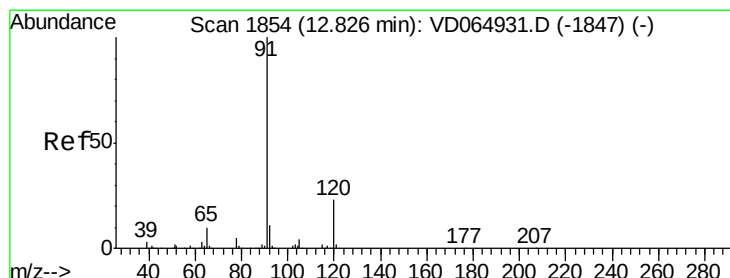
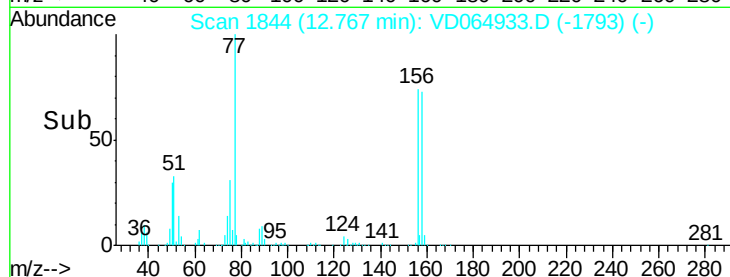
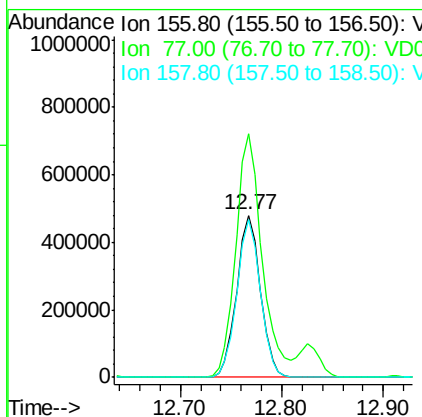
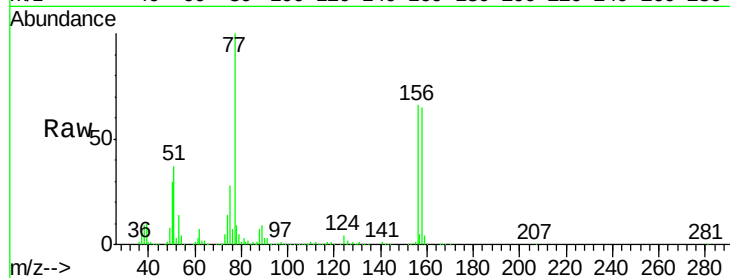
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	775854
Ion Ratio	Lower	Upper	
156	100		
77	167.7	84.2	252.5
158	97.2	48.1	144.4

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#78

n-propylbenzene

Concen: 137.470 ug/l

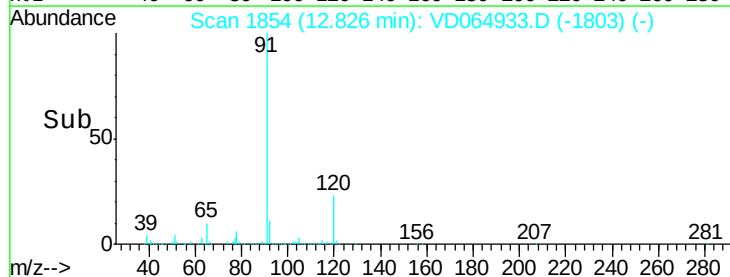
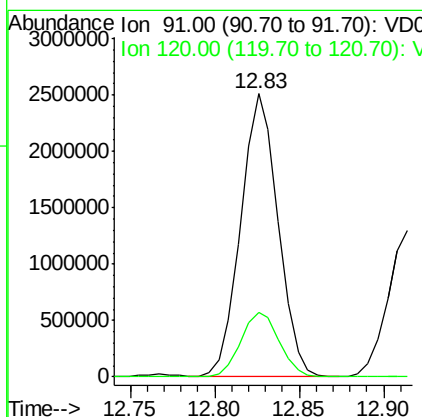
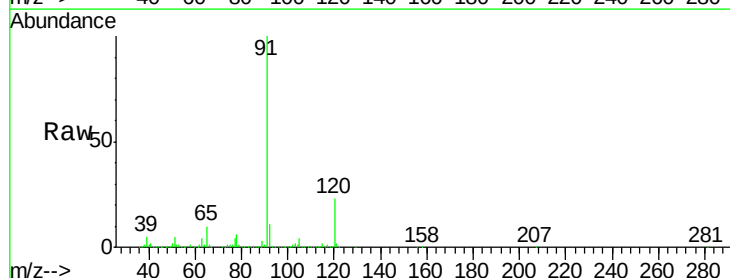
RT: 12.83 min Scan# 1854

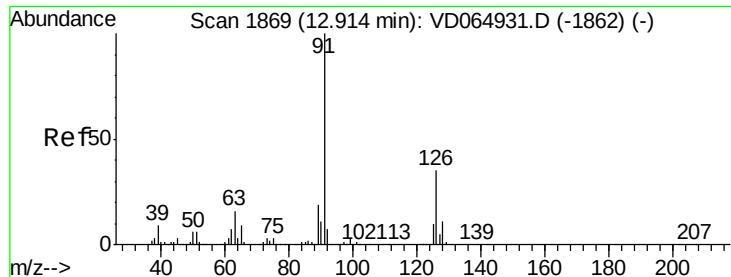
Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Tgt Ion:	91	Resp:	3851037
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.7	35.1





#79

2-Chlorotoluene

Concen: 134.310 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2088047

Ion Ratio Lower Upper

91 100

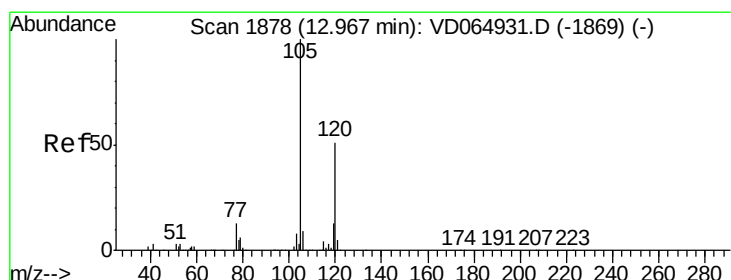
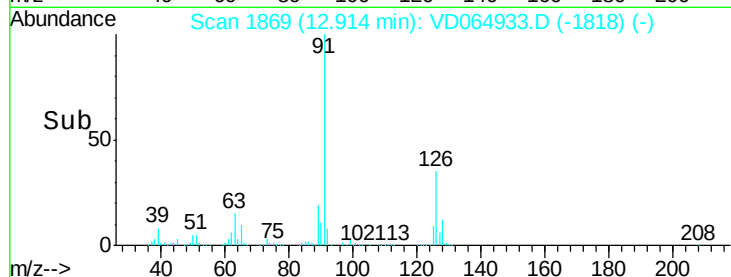
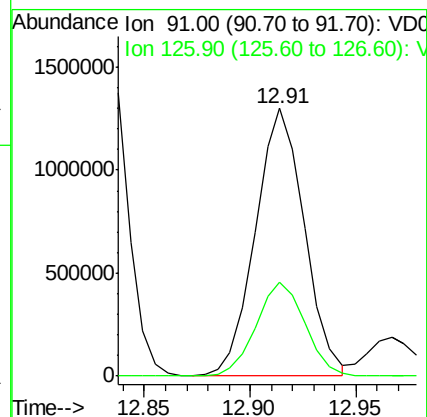
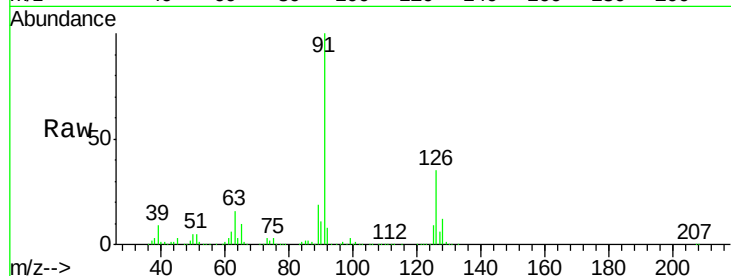
126 35.1 17.9 53.8

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#80

1,3,5-Trimethylbenzene

Concen: 138.806 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD064933.D

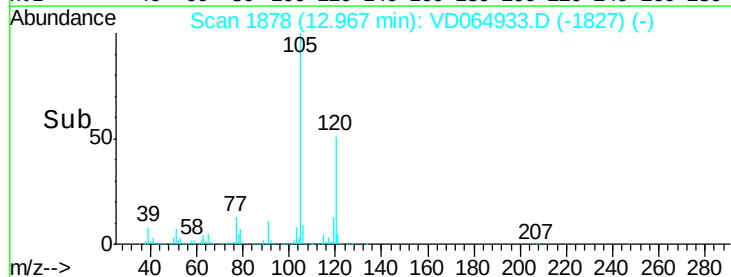
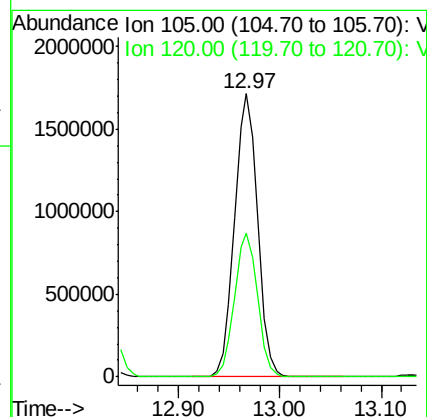
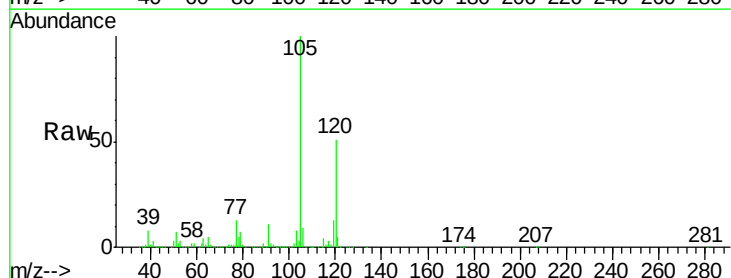
Acq: 23 Jan 2020 13:17

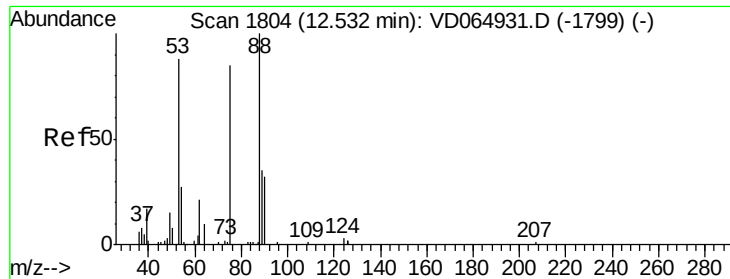
Tgt Ion:105 Resp: 2688222

Ion Ratio Lower Upper

105 100

120 50.9 25.6 76.8





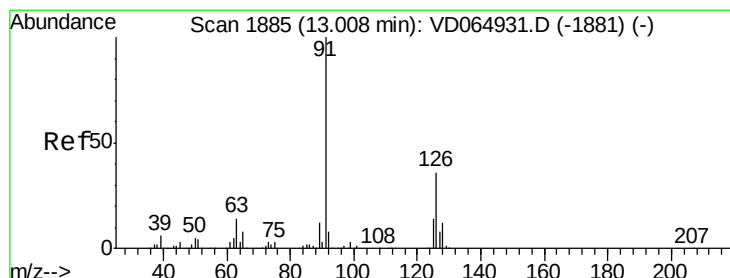
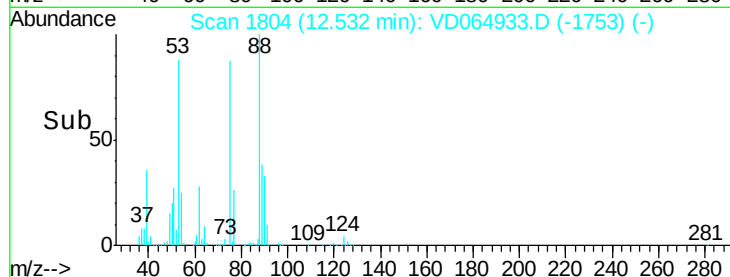
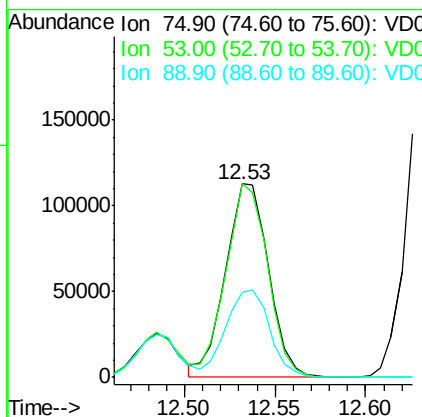
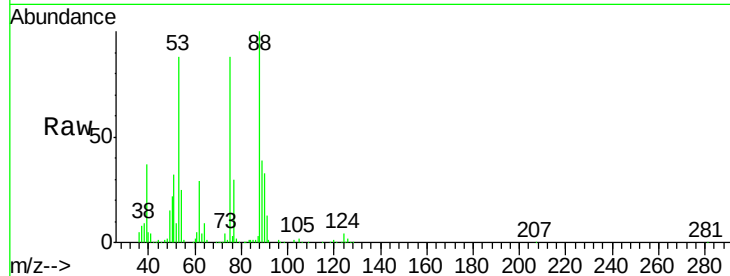
#81
trans-1,4-Dichloro-2-butene
Concen: 138.557 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.6	81.0	121.4
89	45.7	36.2	54.4

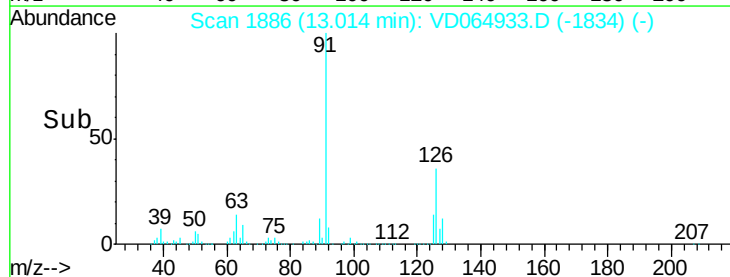
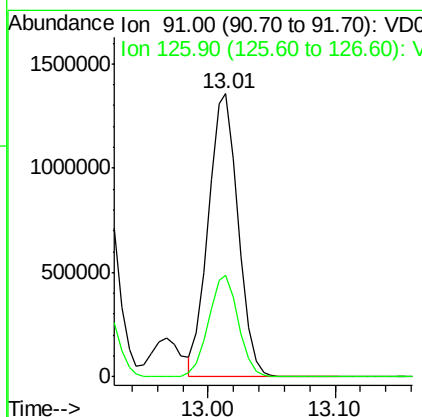
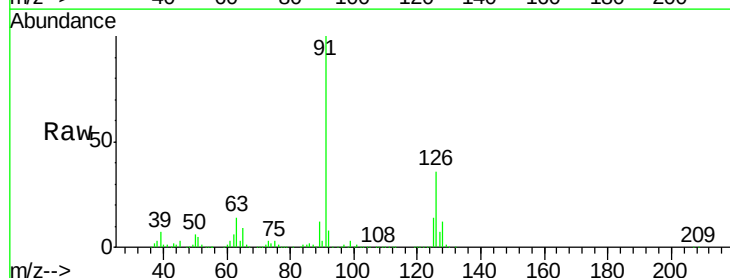
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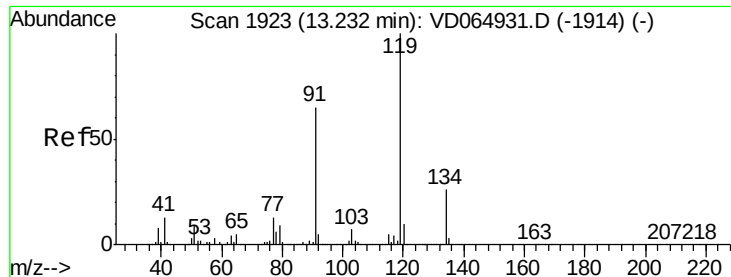
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#82
4-Chlorotoluene
Concen: 135.017 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	18.0	54.0





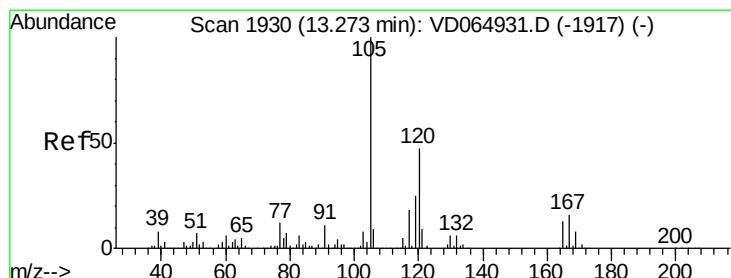
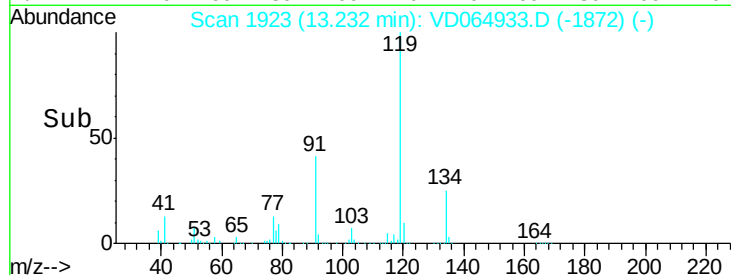
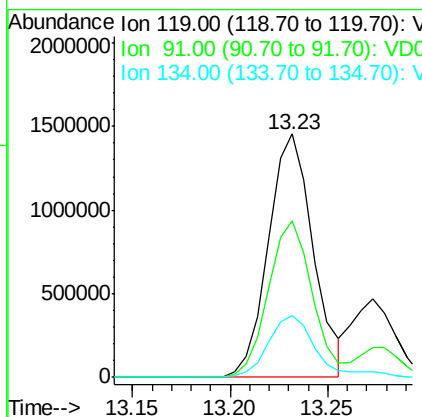
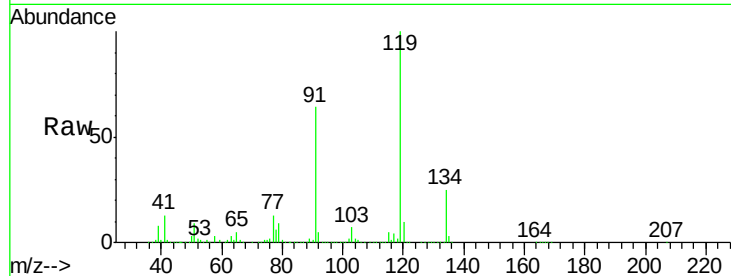
#83
tert-Butylbenzene
Concen: 140.461 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 2314439
Ion Ratio Lower Upper
119 100
91 63.9 32.0 96.0
134 27.2 13.9 41.6

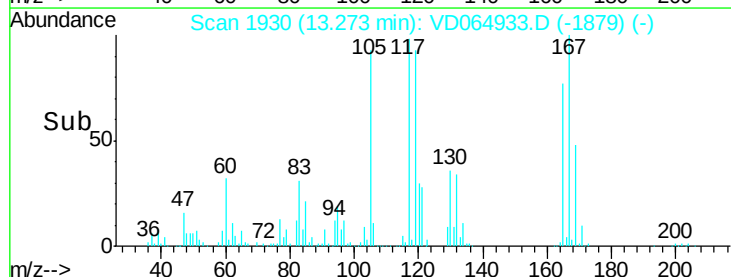
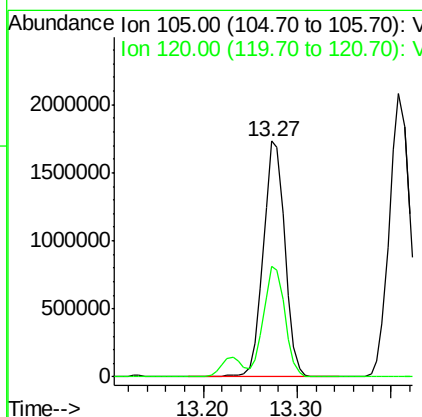
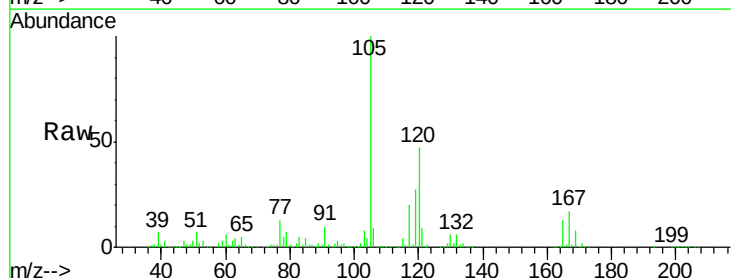
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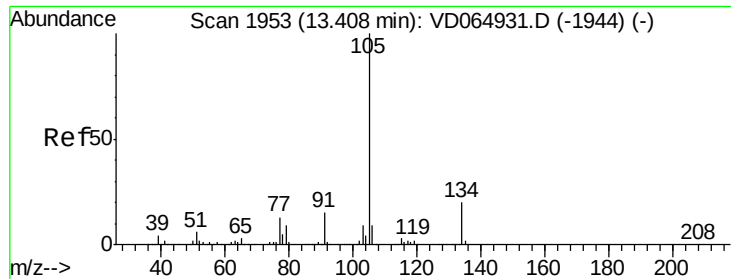
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#84
1,2,4-Trimethylbenzene
Concen: 139.921 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion:105 Resp: 2754192
Ion Ratio Lower Upper
105 100
120 46.3 23.1 69.3





#85

sec-Butylbenzene

Concen: 138.938 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3210368

Ion Ratio Lower Upper

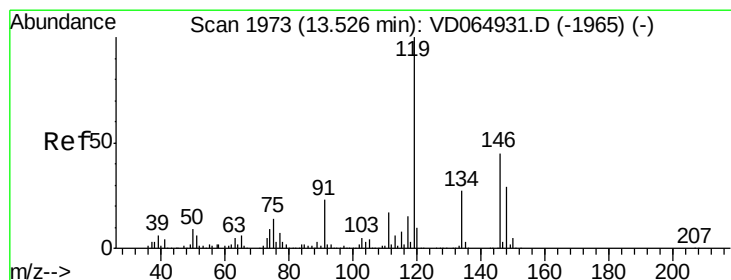
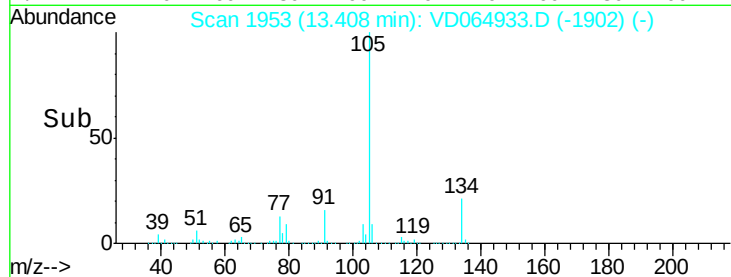
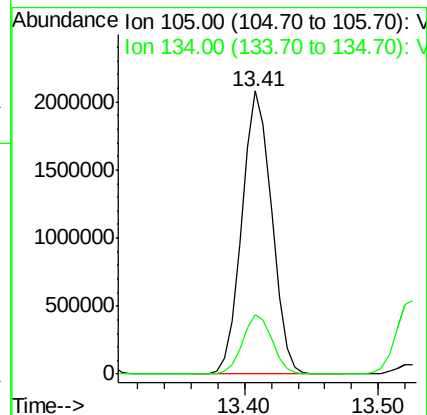
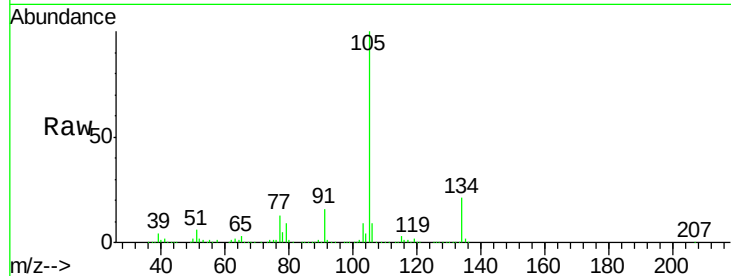
105 100

134 20.9 10.4 31.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 142.908 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

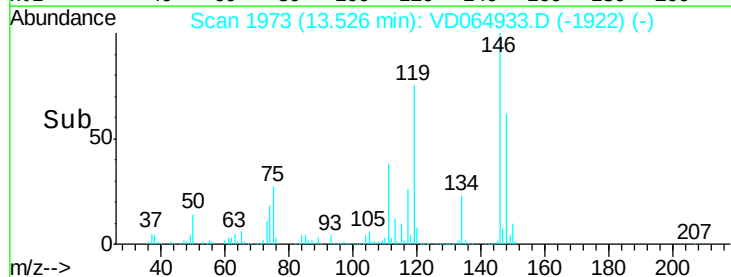
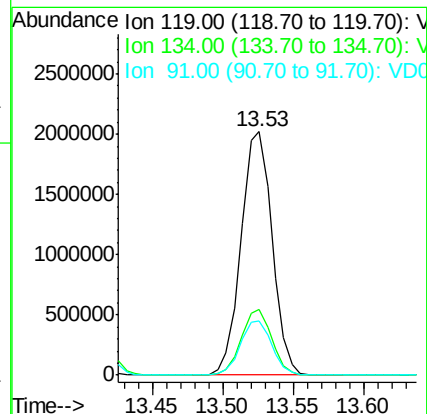
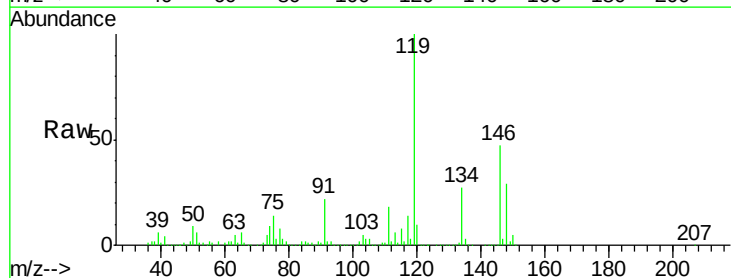
Tgt Ion:119 Resp: 3109060

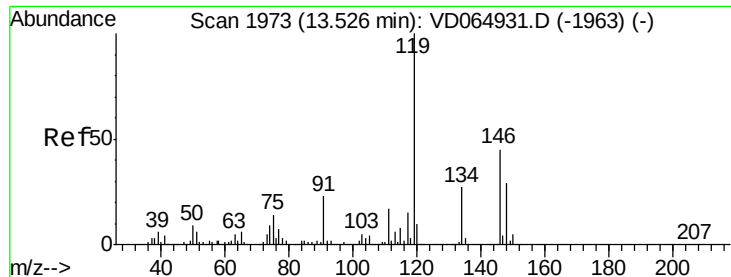
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

91 22.3 11.4 34.2





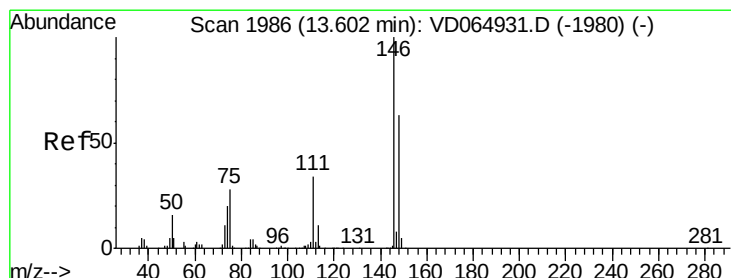
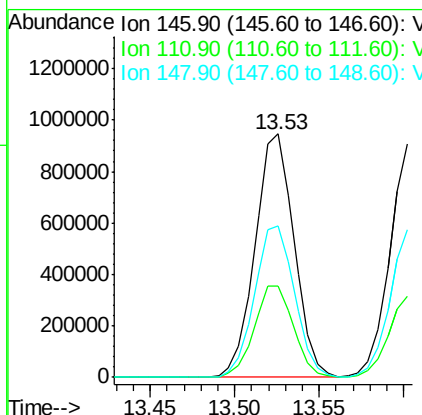
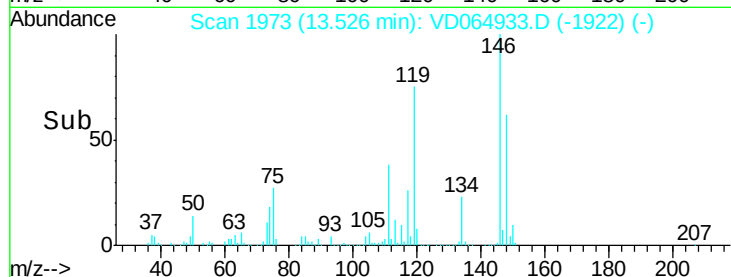
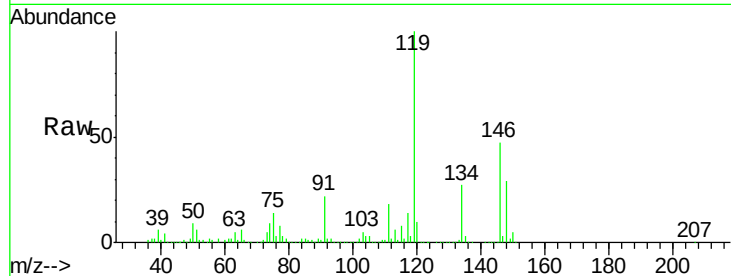
#87
 1,3-Dichlorobenzene
 Concen: 135.194 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.9
148	63.7	32.6	97.7

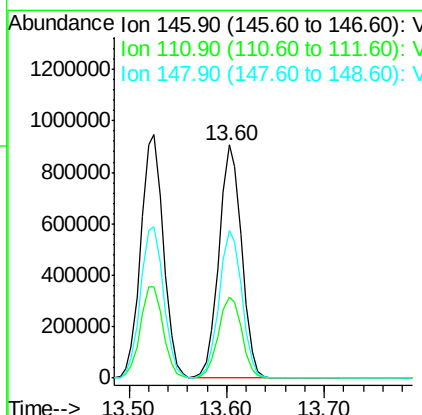
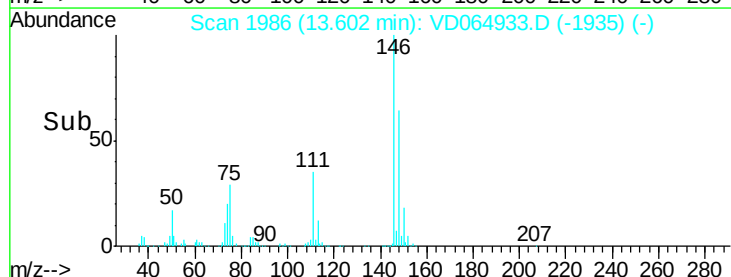
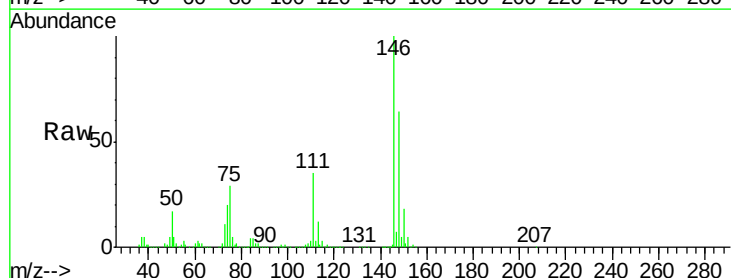
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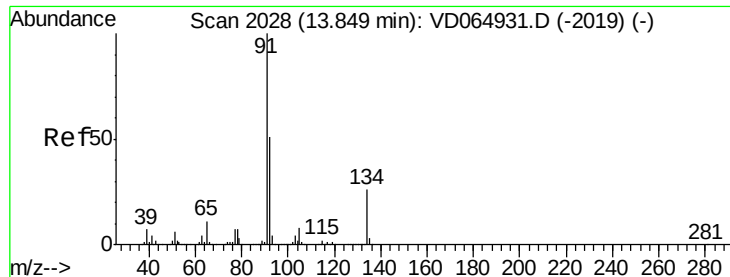
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#88
 1,4-Dichlorobenzene
 Concen: 131.980 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.2	54.6
148	63.5	32.0	96.0





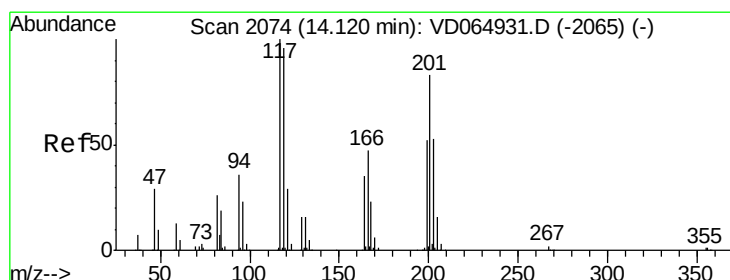
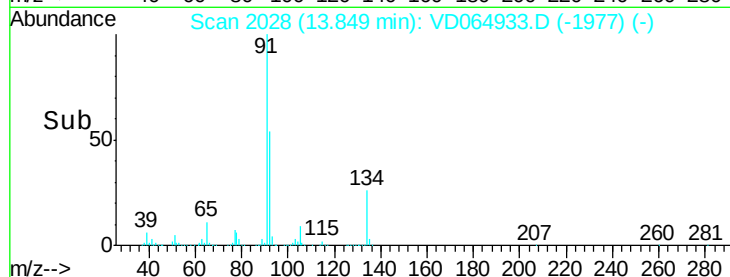
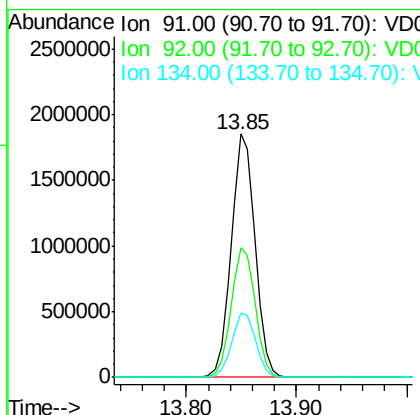
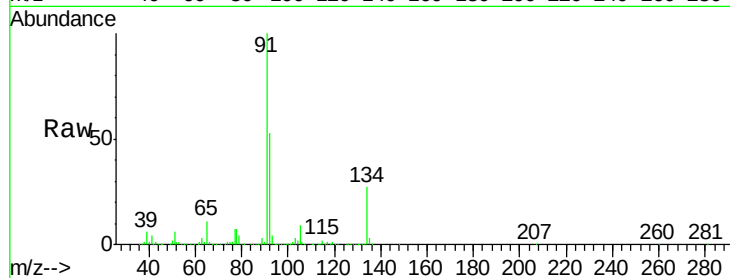
#89
n-Butylbenzene
Concen: 141.630 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.4	79.0
134	26.8	13.3	39.9

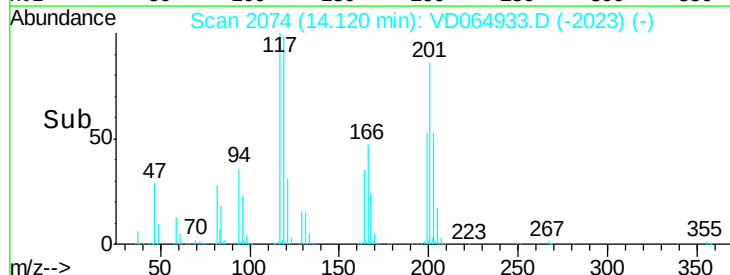
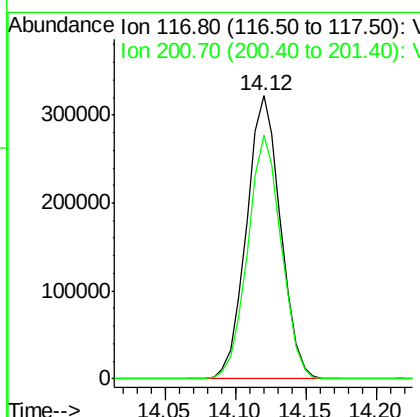
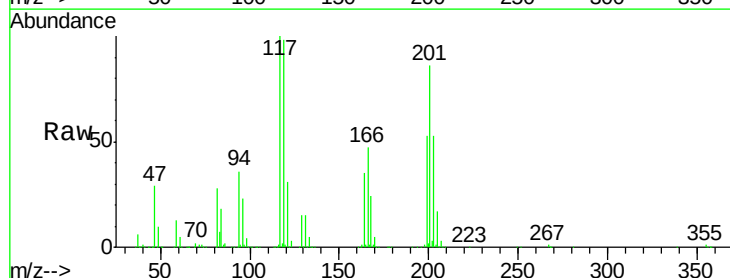
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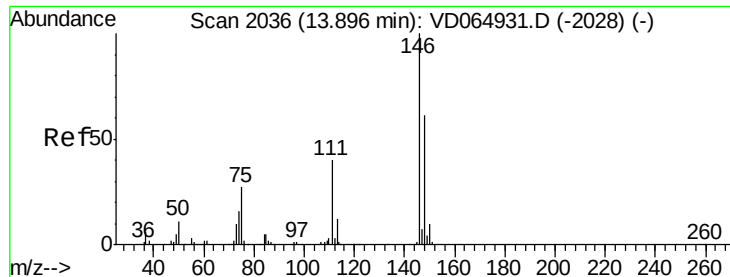
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#90
Hexachloroethane
Concen: 128.672 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.2	41.1	123.3





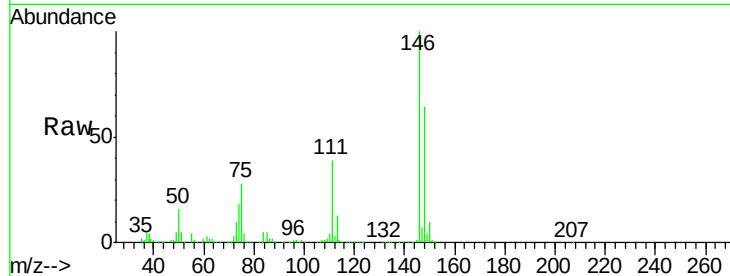
#91
 1,2-Dichlorobenzene
 Concen: 133.777 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.4	58.2
148	64.2	31.6	95.0

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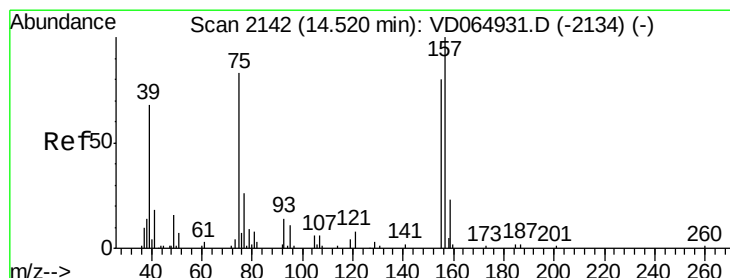
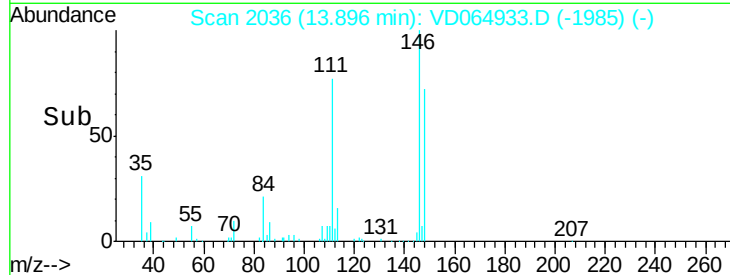
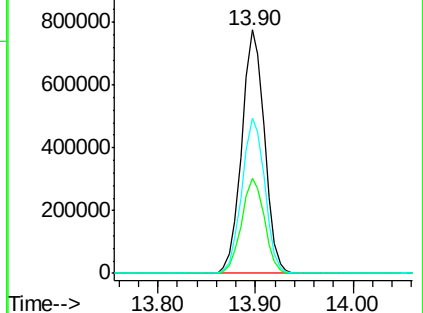


Abundance

Ion 145.90 (145.60 to 146.60): V

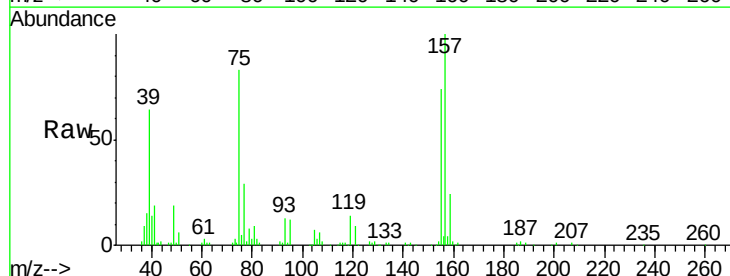
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 125.141 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.6	44.9	134.7
157	121.4	58.9	176.6

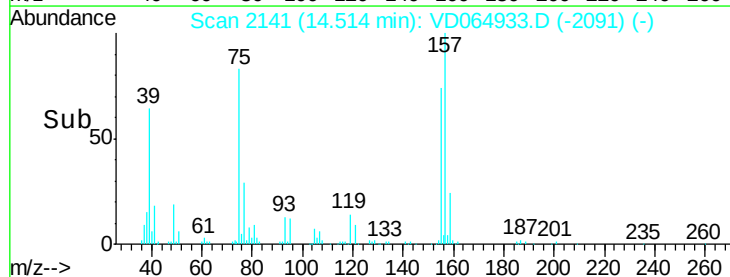
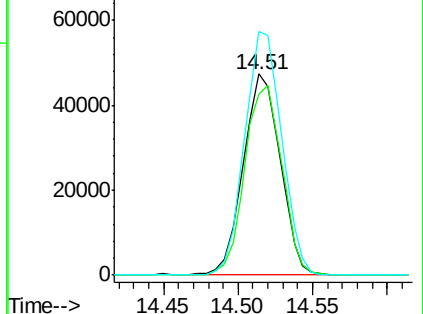


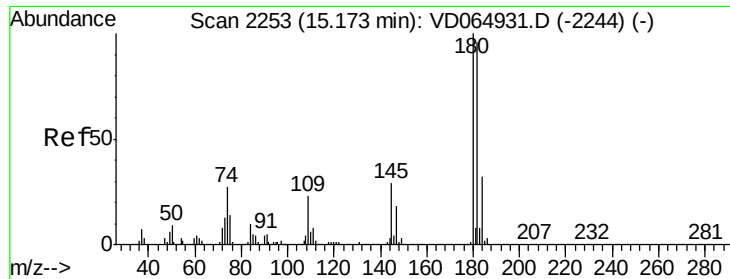
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





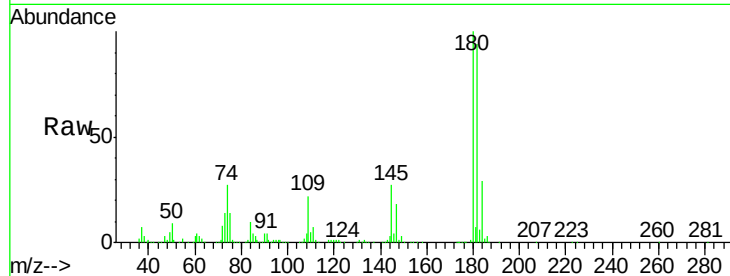
#93
 1,2,4-Trichlorobenzene
 Concen: 137.895 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

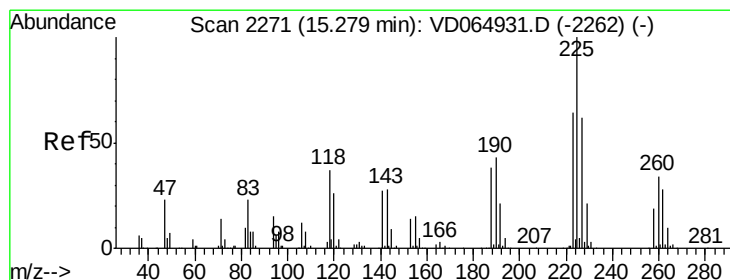
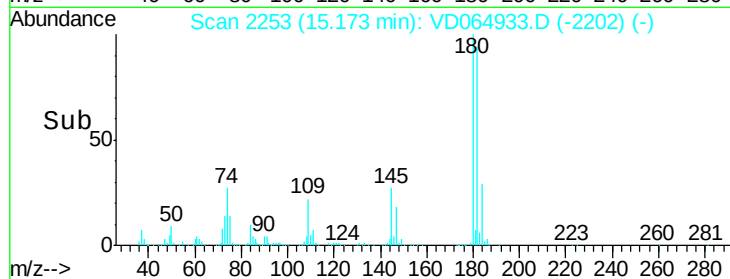
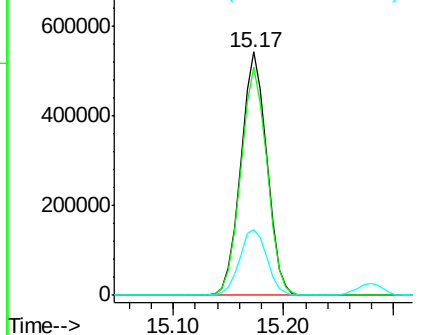
Tot Ion	Ratio	Resp	Lower	Upper
180	100	901163		
182	94.5	47.1	141.4	
145	28.6	14.1	42.3	

Manual Integrations
 APPROVED

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 1/24/2020 4:02:03 PM

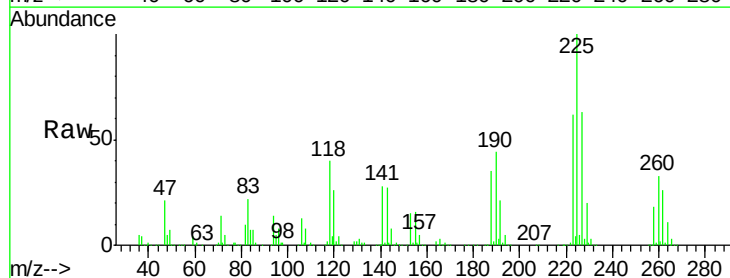


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

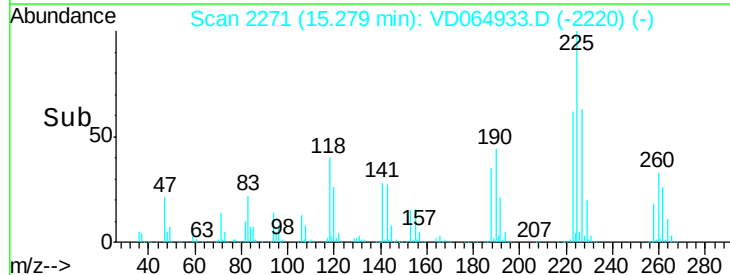
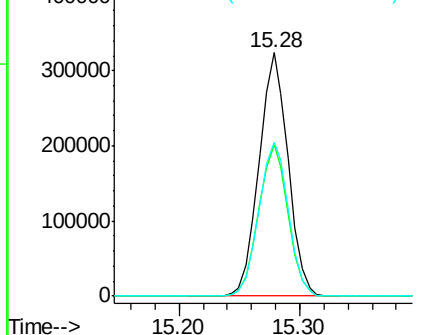


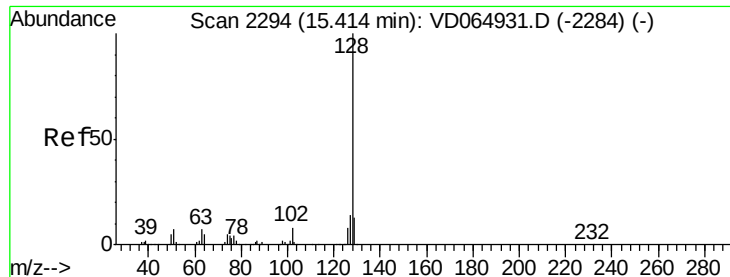
#94
 Hexachlorobutadiene
 Concen: 130.828 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	541398		
223	62.9	32.4	97.2	
227	64.3	31.9	95.9	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





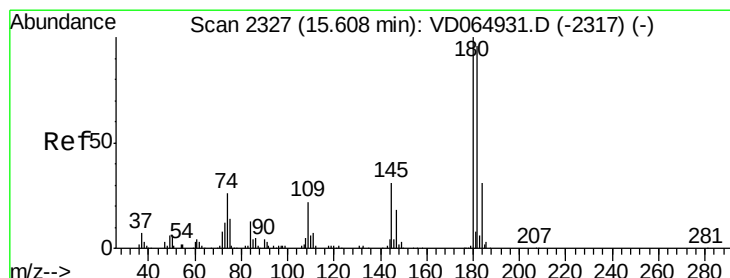
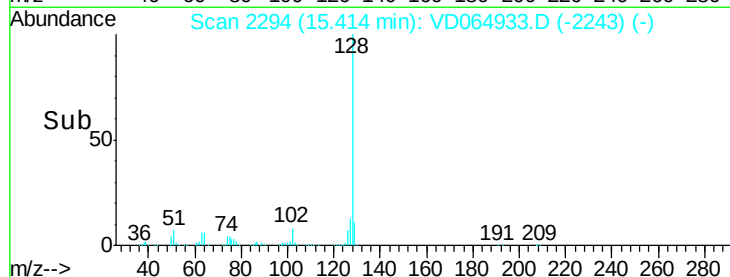
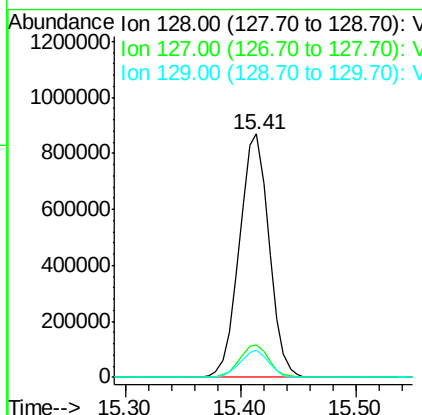
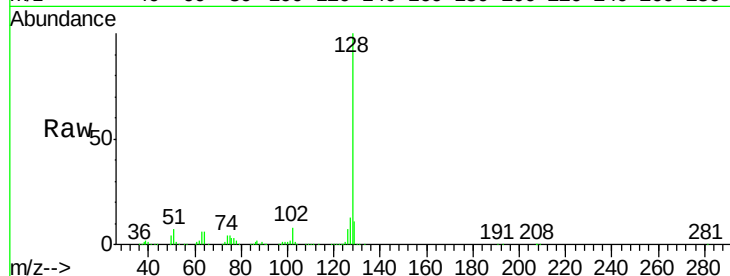
#95
Naphthalene
Concen: 151.282 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.9	9.3	13.9

Manual Integrations
APPROVED

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1/24/2020 4:02:03 PM



#96
1,2,3-Trichlorobenzene
Concen: 135.467 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.3	141.8
145	30.6	14.6	43.8

