

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD103119\
 Data File : VD064144.D
 Acq On : 31 Oct 2019 21:34
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/1/2019 12:07:19 PM

Quant Time: Nov 01 08:31:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	203621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	320642	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	321976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	183637	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	85706	52.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.84%	
35) Dibromofluoromethane	7.92	113	98962	50.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.34%	
50) Toluene-d8	10.34	98	384419	48.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.46%	
62) 4-Bromofluorobenzene	12.64	95	135839	51.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.88%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	93926	45.174	ug/l	97
3) Chloromethane	2.21	50	165939	47.833	ug/l	97
4) Vinyl Chloride	2.35	62	176791	46.994	ug/l	98
5) Bromomethane	2.77	94	127337	51.938	ug/l	97
6) Chloroethane	2.93	64	117688	50.367	ug/l	90
7) Trichlorofluoromethane	3.27	101	239831	46.310	ug/l	95
8) Diethyl Ether	3.70	74	46349	51.488	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	89426	47.916	ug/l	99
10) Methyl Iodide	4.30	142	127041	54.943	ug/l	100
11) Tert butyl alcohol	5.24	59	22308m	239.663	ug/l	
12) 1,1-Dichloroethene	4.06	96	85195	48.233	ug/l	89
13) Acrolein	3.93	56	19530	189.140	ug/l	90
14) Allyl chloride	4.71	41	108191	52.333	ug/l	99
15) Acrylonitrile	5.43	53	88462	266.039	ug/l	99
16) Acetone	4.17	43	74342	241.273	ug/l	97
17) Carbon Disulfide	4.40	76	268948	49.549	ug/l	99
18) Methyl Acetate	4.73	43	49321	60.176	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	191477	53.423	ug/l #	88
20) Methylene Chloride	4.97	84	113584	58.391	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	106224	53.573	ug/l	96
22) Diisopropyl ether	6.37	45	250009	54.605	ug/l	96
23) Vinyl Acetate	6.31	43	679615	270.795	ug/l	96
24) 1,1-Dichloroethane	6.27	63	161385	52.198	ug/l	97
25) 2-Butanone	7.23	43	103835	243.761	ug/l	98
26) 2,2-Dichloropropane	7.21	77	134819	45.943	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	120204	54.178	ug/l	97
28) Bromochloromethane	7.55	49	66416	54.880	ug/l	97
29) Tetrahydrofuran	7.57	42	66533	267.627	ug/l	95
30) Chloroform	7.71	83	189678	53.613	ug/l	97
31) Cyclohexane	7.99	56	130441	43.305	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	166979	50.703	ug/l	97
36) 1,1-Dichloropropene	8.11	75	136638	45.478	ug/l	98
37) Ethyl Acetate	7.30	43	44122	47.710	ug/l #	90
38) Carbon Tetrachloride	8.10	117	151949	46.353	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	160905	43.627	ug/l	95
40) Benzene	8.36	78	408739	49.888	ug/l	99
41) Methacrylonitrile	7.53	41	28604	53.597	ug/l	92
42) 1,2-Dichloroethane	8.43	62	108886	50.312	ug/l	98
43) Isopropyl Acetate	8.46	43	90515	48.431	ug/l	96
44) Trichloroethene	9.11	130	123423	49.702	ug/l	90
45) 1,2-Dichloropropane	9.40	63	93355	49.166	ug/l	98
46) Dibromomethane	9.48	93	60357	52.780	ug/l	98
47) Bromodichloromethane	9.67	83	149680	51.883	ug/l #	98
48) Methyl methacrylate	9.46	41	45069	52.146	ug/l	96
49) 1,4-Dioxane	9.48	88	14944	1141.630	ug/l #	92
51) 4-Methyl-2-Pentanone	10.24	43	261383	256.898	ug/l	100
52) Toluene	10.41	92	295546	51.473	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	137923	51.215	ug/l	88
54) cis-1,3-Dichloropropene	10.10	75	161230	50.888	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	82388	50.815	ug/l	95
56) Ethyl methacrylate	10.67	69	92055	46.912	ug/l	97
57) 1,3-Dichloropropane	10.96	76	135890	50.678	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	198708	279.745	ug/l	97
59) 2-Hexanone	10.99	43	182588	229.688	ug/l	99
60) Dibromochloromethane	11.14	129	115191	52.345	ug/l	99
61) 1,2-Dibromoethane	11.25	107	81668	50.363	ug/l	95
64) Tetrachloroethene	10.88	164	116676	50.442	ug/l	96
65) Chlorobenzene	11.67	112	342455	51.476	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	125574	50.445	ug/l	98
67) Ethyl Benzene	11.75	91	592795	50.097	ug/l	98
68) m/p-Xylenes	11.86	106	476869	100.192	ug/l	100
69) o-Xylene	12.18	106	220789	50.830	ug/l	98
70) Styrene	12.20	104	390704	52.153	ug/l	98
71) Bromoform	12.37	173	70889	53.321	ug/l #	100
73) Isopropylbenzene	12.48	105	592574	46.437	ug/l	98
74) N-amyl acetate	12.30	43	103207	48.683	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	96275	47.865	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	54083m	43.830	ug/l	
77) Bromobenzene	12.77	156	151721	49.243	ug/l	99
78) n-propylbenzene	12.83	91	706086	47.216	ug/l	99
79) 2-Chlorotoluene	12.91	91	390588	48.724	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	522980	48.969	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	27709	45.860	ug/l	98
82) 4-Chlorotoluene	13.01	91	415129	48.465	ug/l	99
83) tert-Butylbenzene	13.23	119	460511	48.008	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	539529	50.289	ug/l	100
85) sec-Butylbenzene	13.41	105	614735	46.666	ug/l	98
86) p-Isopropyltoluene	13.52	119	606988	49.041	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	312536	50.618	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	308114	50.622	ug/l	99
89) n-Butylbenzene	13.85	91	548454	48.042	ug/l	98
90) Hexachloroethane	14.12	117	112630	48.604	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	267962	50.428	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14384	48.966	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	192332	50.354	ug/l	98
94) Hexachlorobutadiene	15.28	225	108274	48.502	ug/l	98
95) Naphthalene	15.41	128	323126	51.872	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	167068	50.497	ug/l	98

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

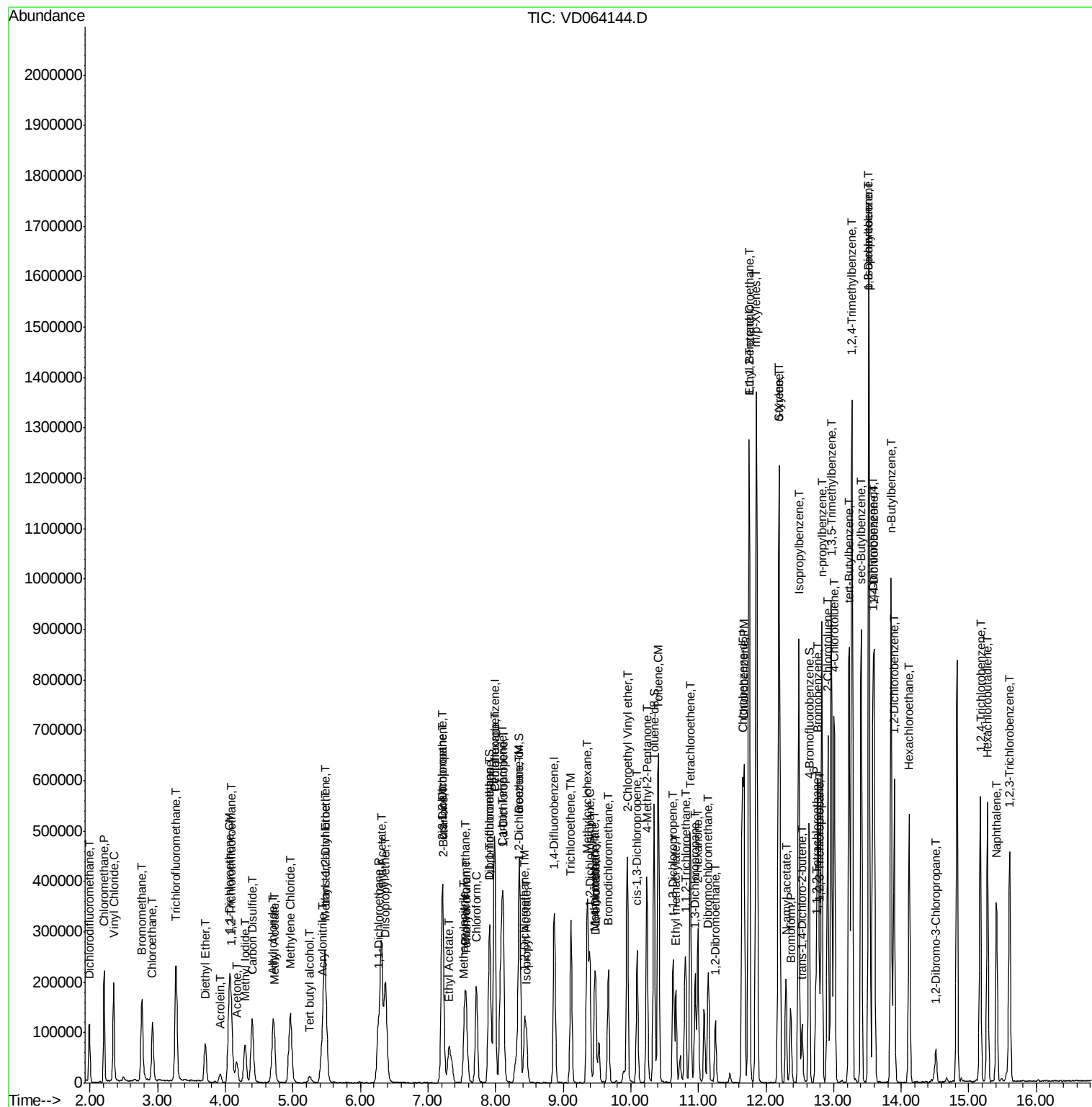
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD103119\
Data File : VD064144.D
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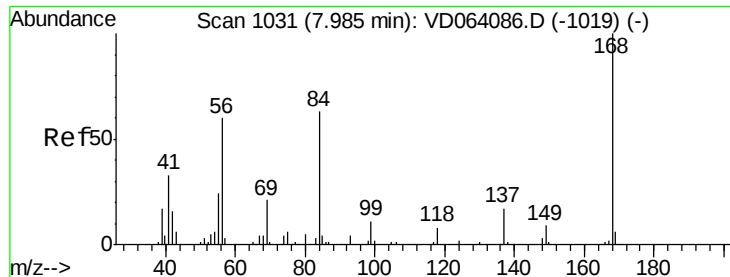
Instrument :
MSVOA_D
ClientSampleId :
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Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 168 Resp: 203621

Ion Ratio Lower Upper

168 100

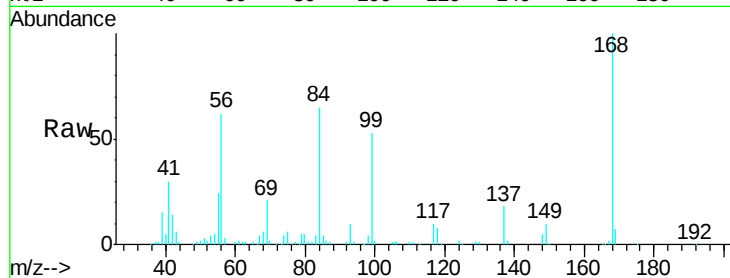
99 52.5 37.6 56.4

Manual Integrations

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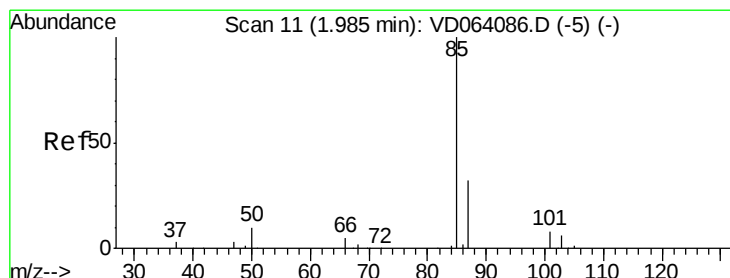
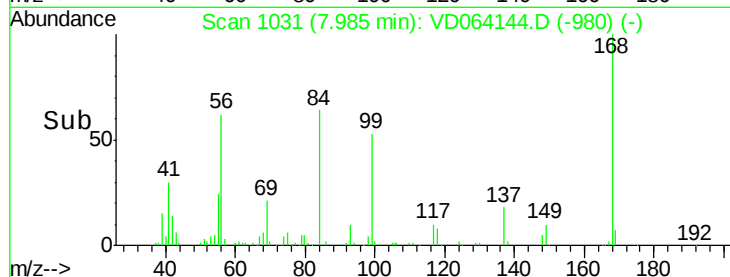
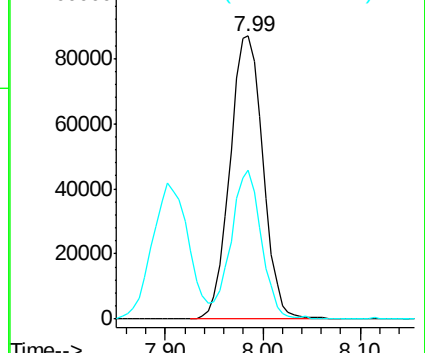
MMDadoda

11/1/2019 12:07:19 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 45.174 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD064144.D

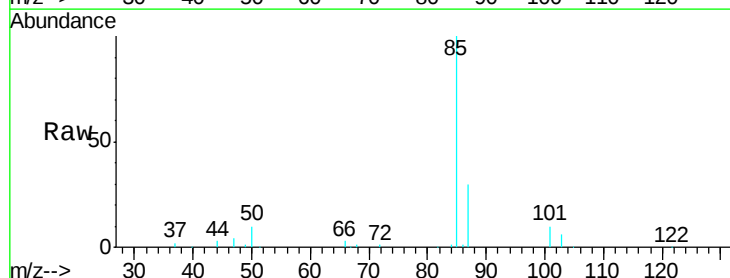
Acq: 31 Oct 2019 21:34

Tgt Ion: 85 Resp: 93926

Ion Ratio Lower Upper

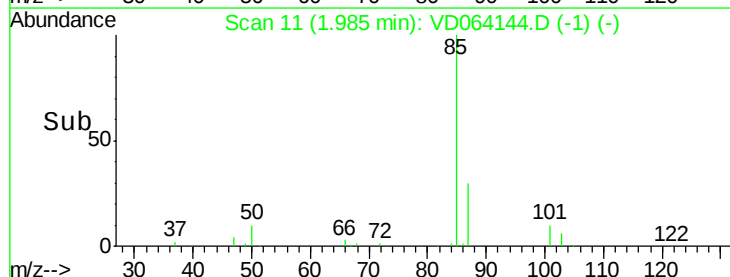
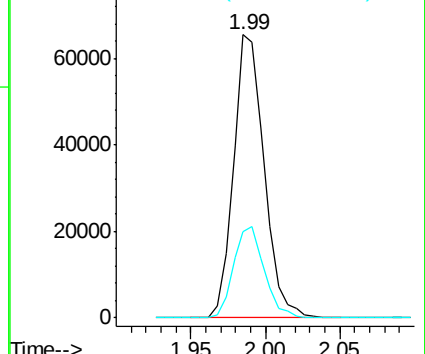
85 100

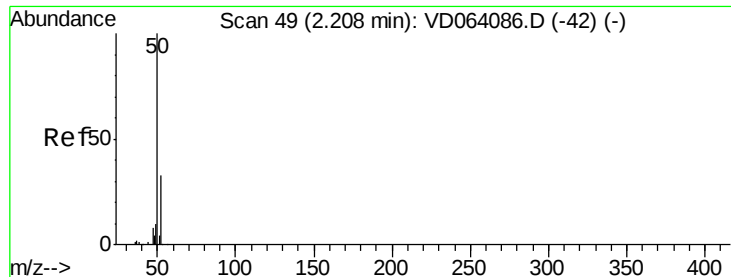
87 30.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.833 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 165939

Ion Ratio Lower Upper

50 100

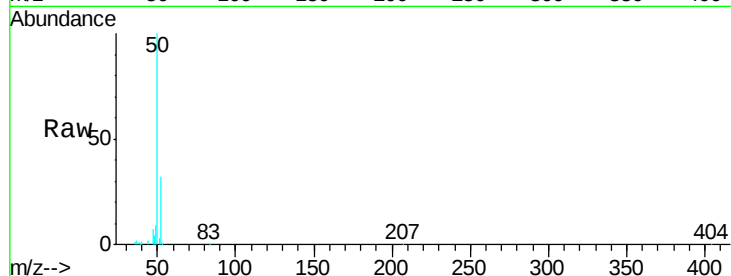
52 31.6 26.5 39.7

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

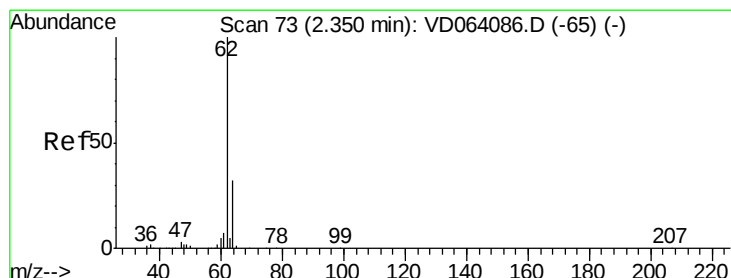
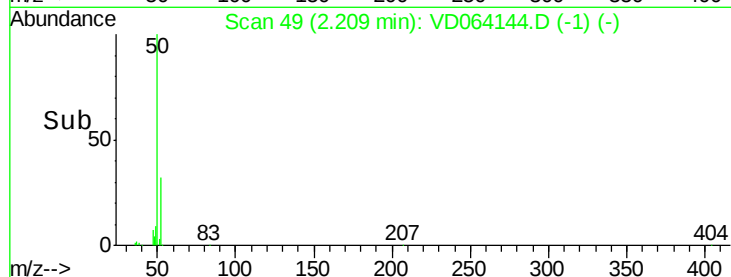
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 46.994 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064144.D

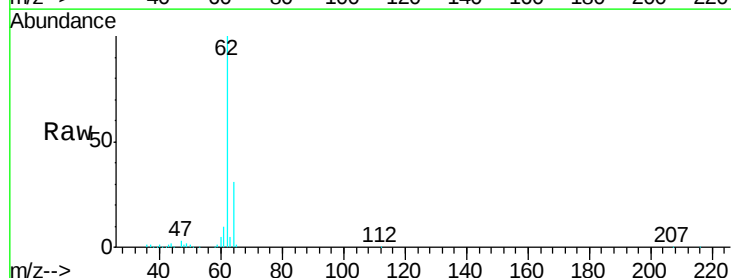
Acq: 31 Oct 2019 21:34

Tgt Ion: 62 Resp: 176791

Ion Ratio Lower Upper

62 100

64 30.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

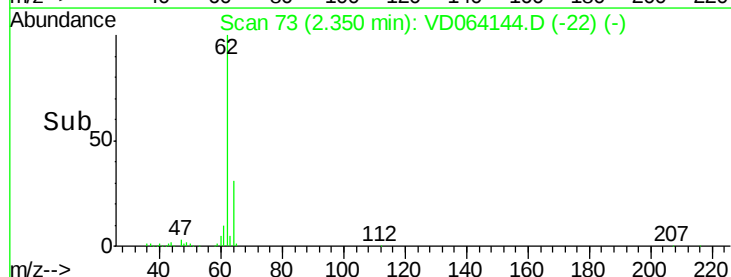
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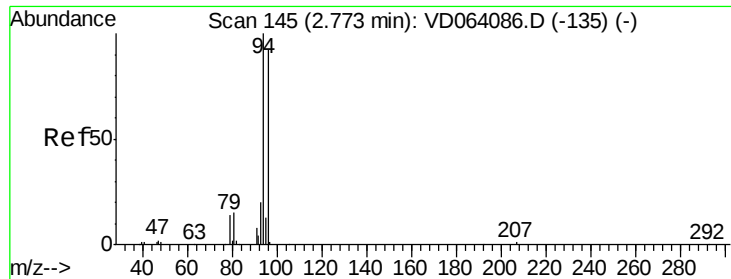
100000

50000

0

Time-->





#5

Bromomethane

Concen: 51.938 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

ClientSampleId :

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Tgt Ion: 94 Resp: 127337

Ion Ratio Lower Upper

94 100

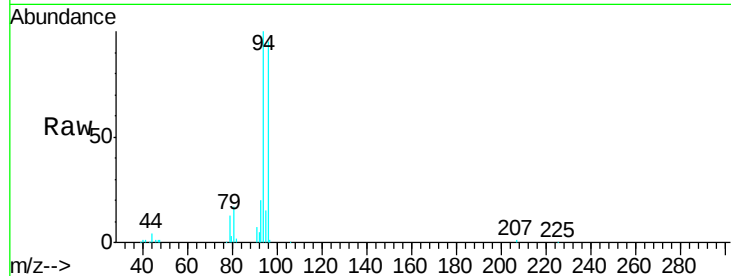
96 95.4 73.9 110.9

Manual Integrations

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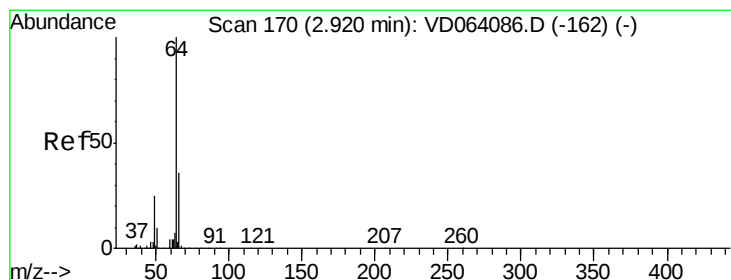
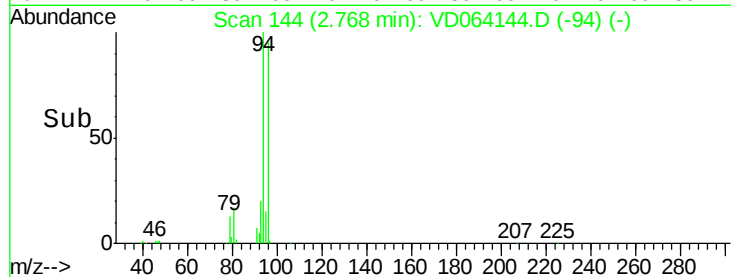
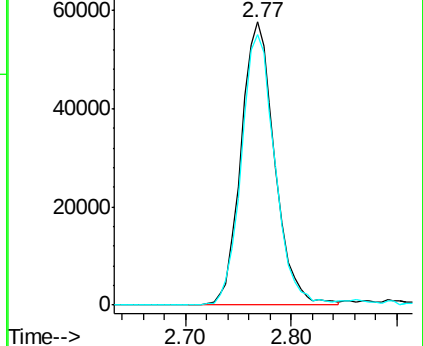
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 50.367 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064144.D

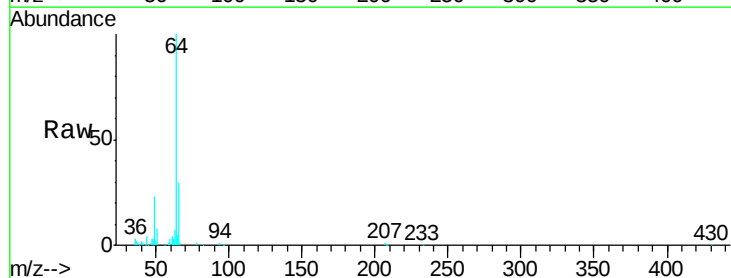
Acq: 31 Oct 2019 21:34

Tgt Ion: 64 Resp: 117688

Ion Ratio Lower Upper

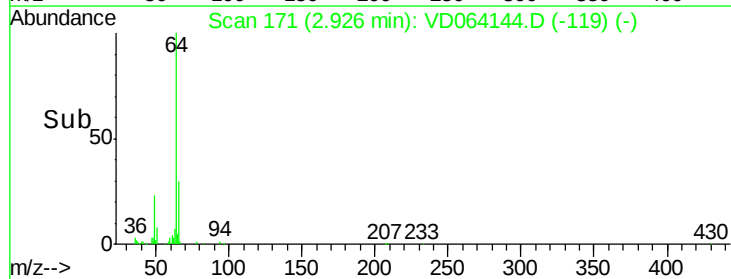
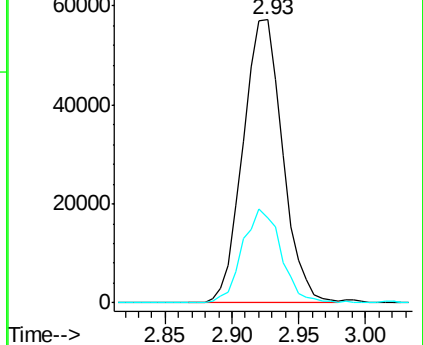
64 100

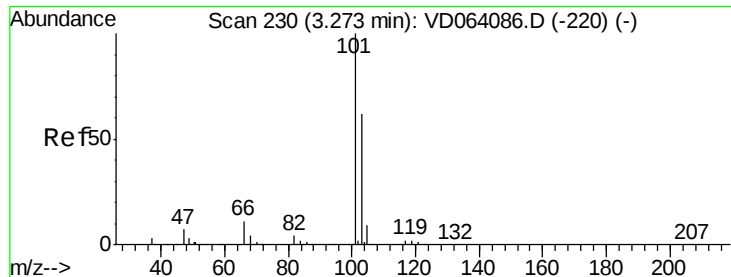
66 30.0 28.7 43.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

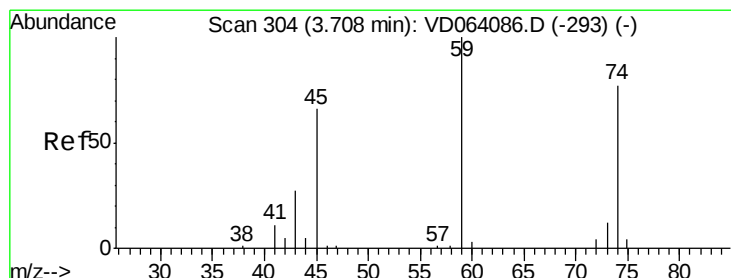
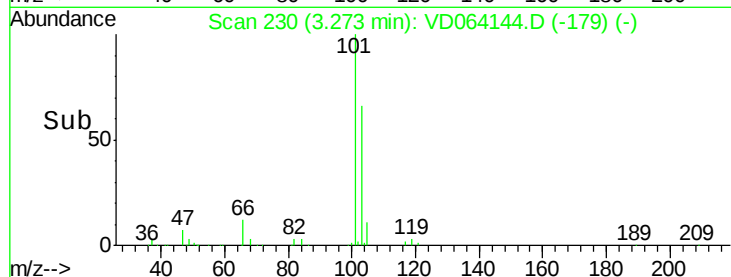
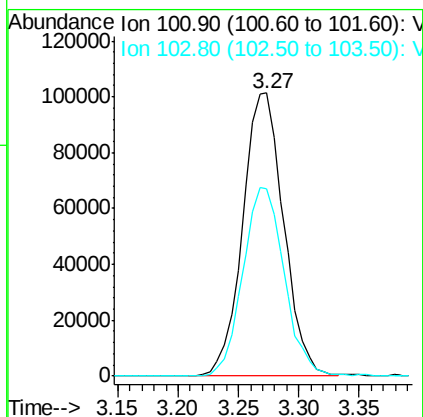
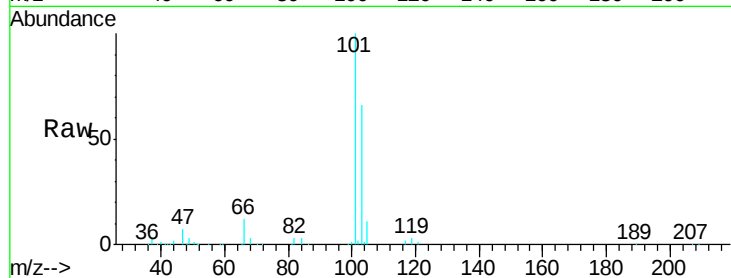
Trichlorofluoromethane
Concen: 46.310 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Instrument :
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VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.2	49.6	74.4

Manual Integrations
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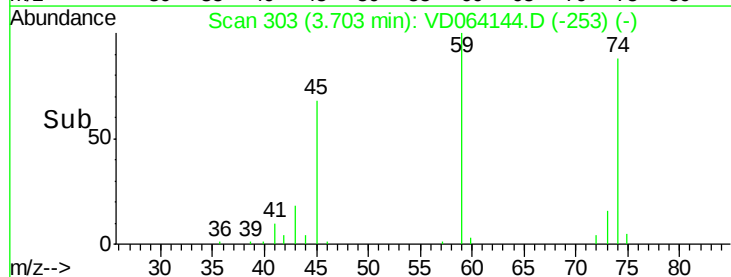
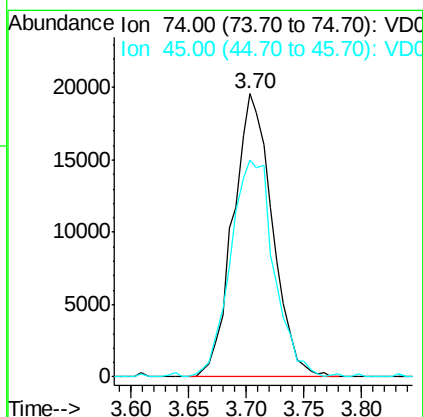
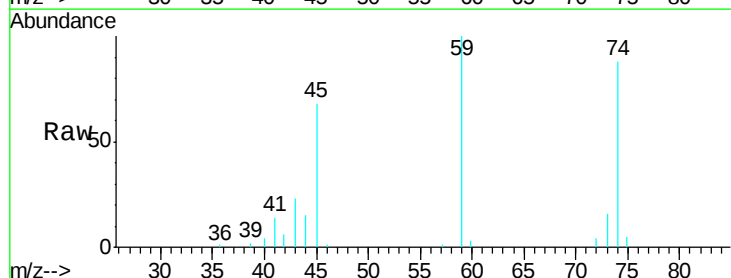
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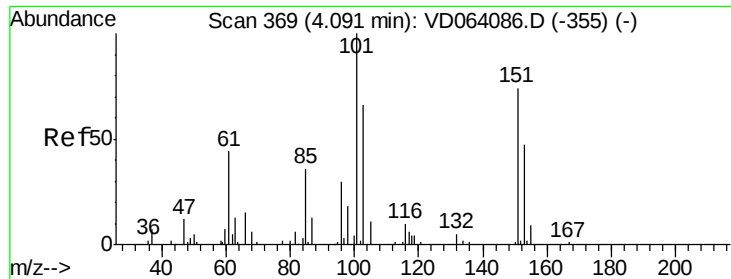


#8

Diethyl Ether
Concen: 51.488 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.3	44.1	132.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.916 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

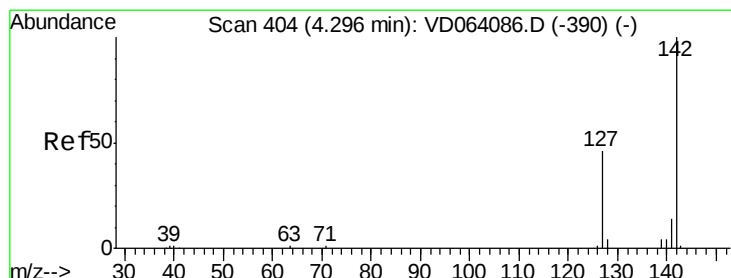
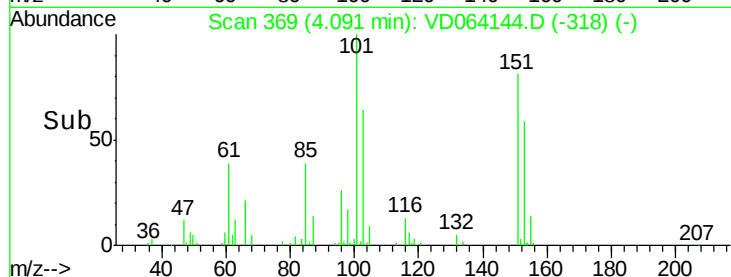
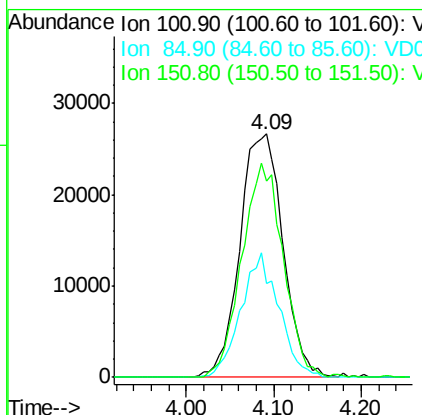
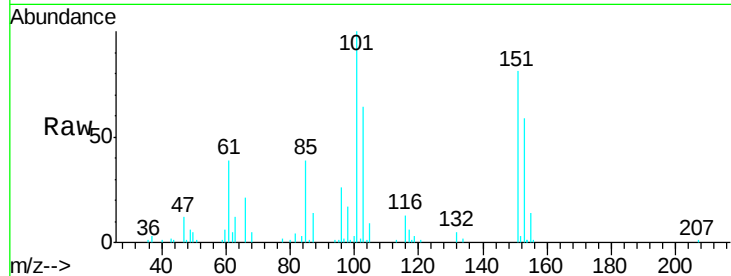
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	89426
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.3	52.9
151	84.3	67.0	100.6

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#10

Methyl Iodide

Concen: 54.943 ug/l

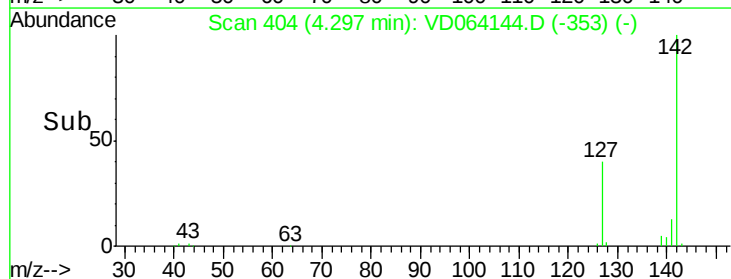
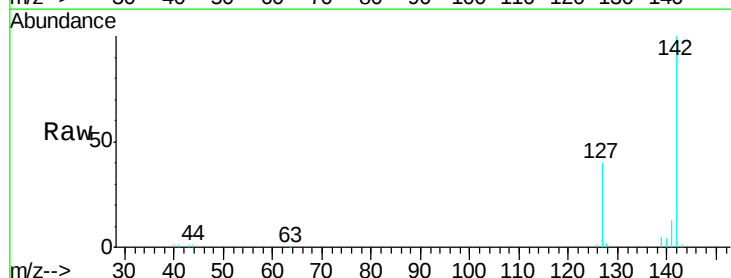
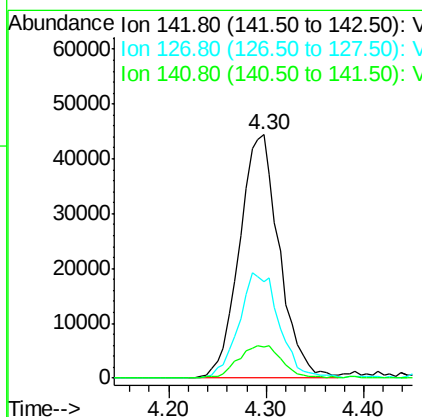
RT: 4.30 min Scan# 404

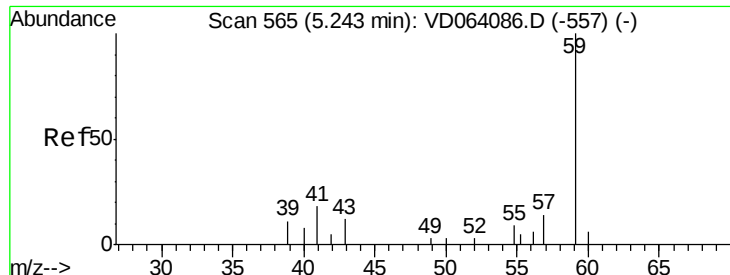
Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Tgt Ion:	142	Resp:	127041
Ion Ratio	Lower	Upper	
142	100		
127	43.8	35.1	52.7
141	14.7	11.6	17.4





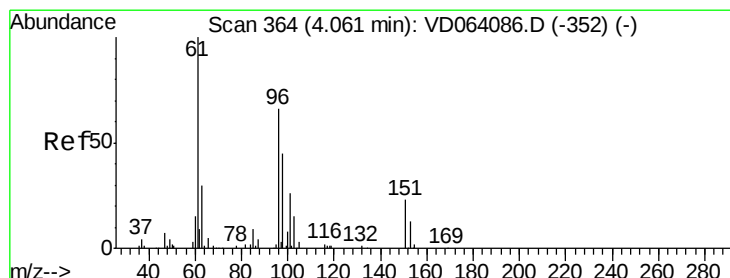
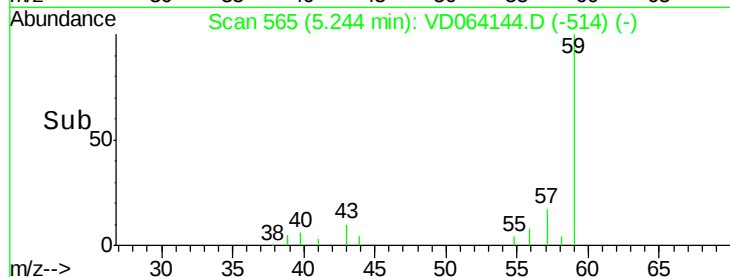
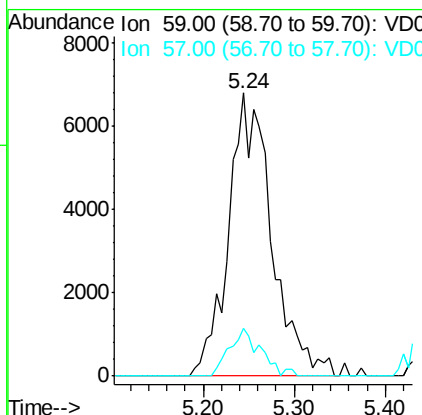
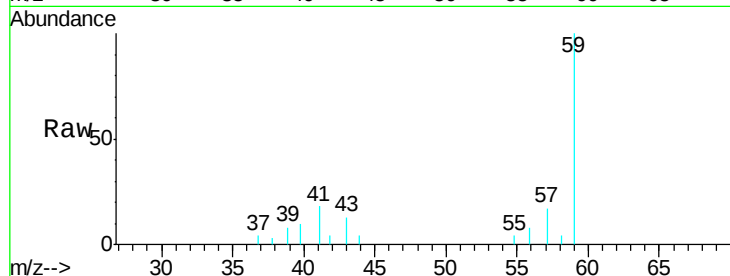
#11
Tert butyl alcohol
Concen: 239.663 ug/l m
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 22308
Ion Ratio Lower Upper
59 100
57 12.3 8.7 13.1

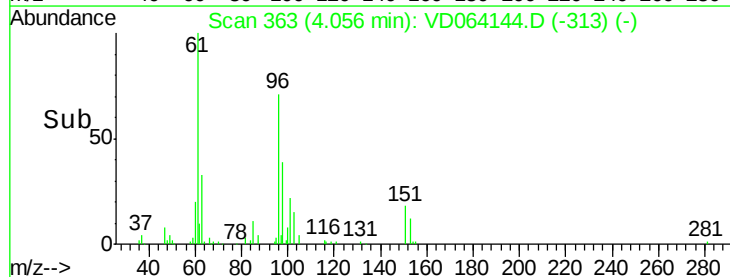
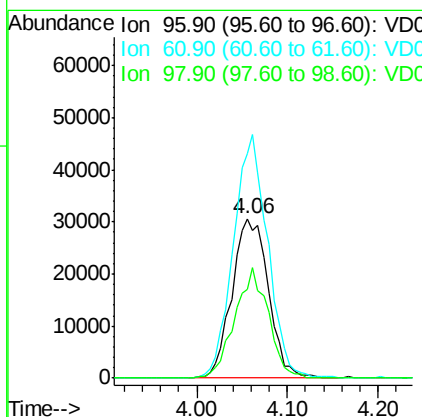
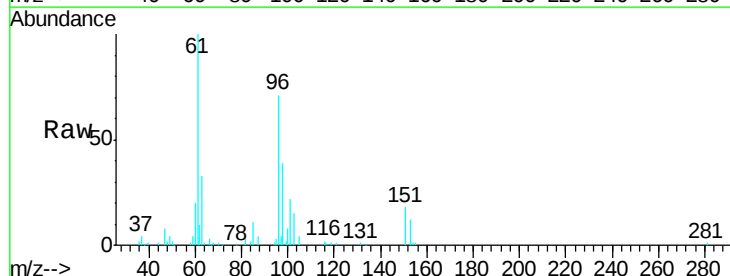
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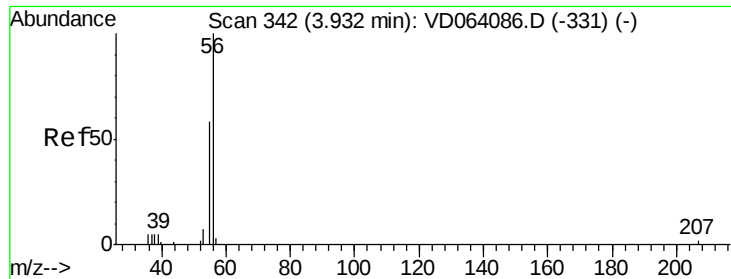
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.233 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion: 96 Resp: 85195
Ion Ratio Lower Upper
96 100
61 140.9 121.8 182.6
98 55.5 55.4 83.0





#13

Acrolein

Concen: 189.140 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 19530

Ion Ratio Lower Upper

56 100

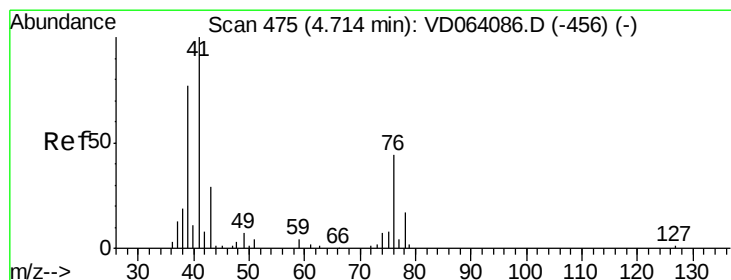
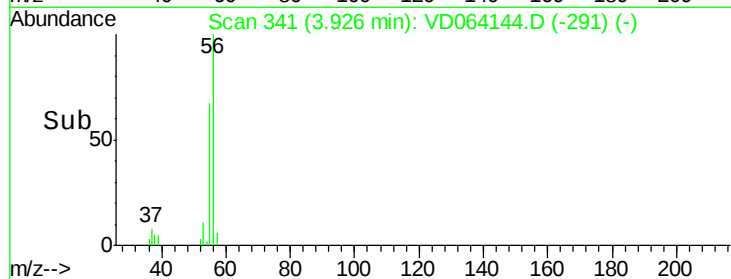
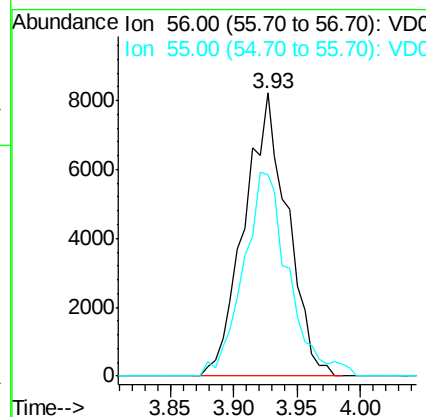
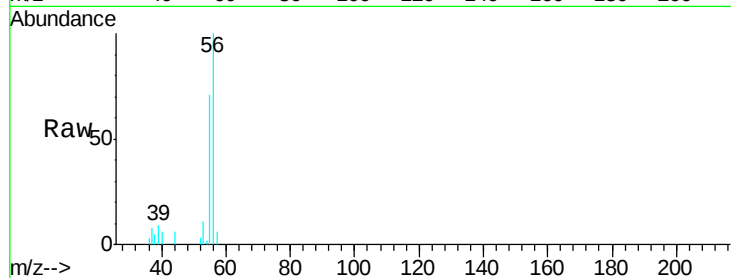
55 75.3 53.8 80.6

Manual Integrations

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#14

Allyl chloride

Concen: 52.333 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

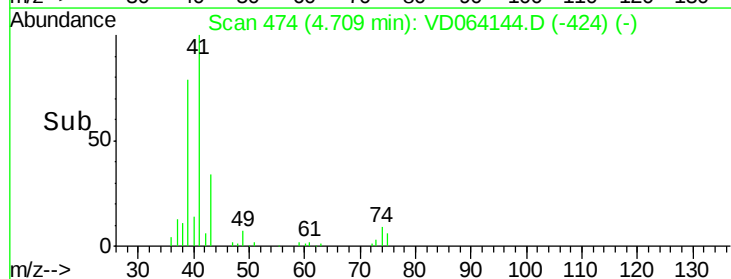
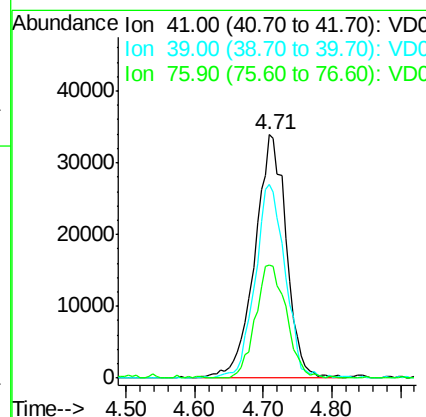
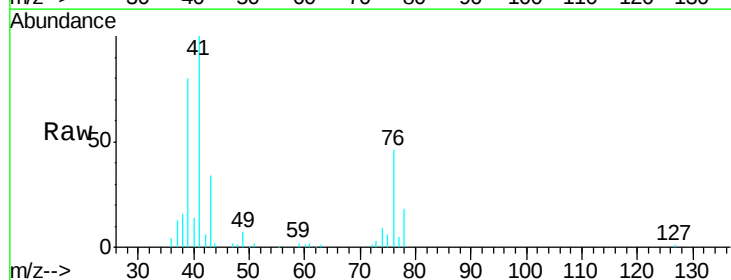
Tgt Ion: 41 Resp: 108191

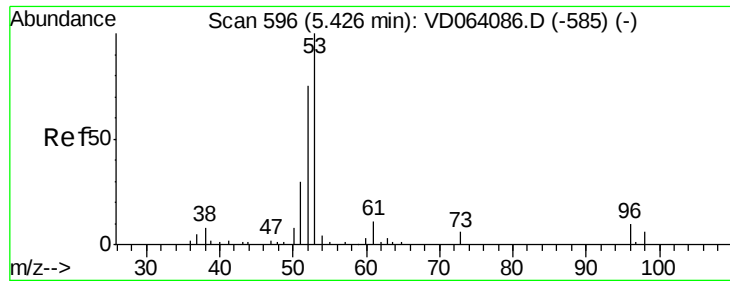
Ion Ratio Lower Upper

41 100

39 75.8 61.5 92.3

76 45.7 36.2 54.4





#15

Acrylonitrile

Concen: 266.039 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

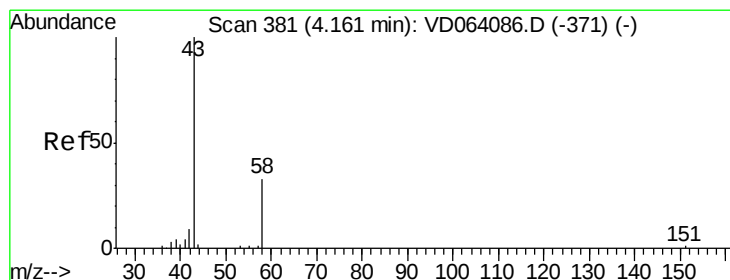
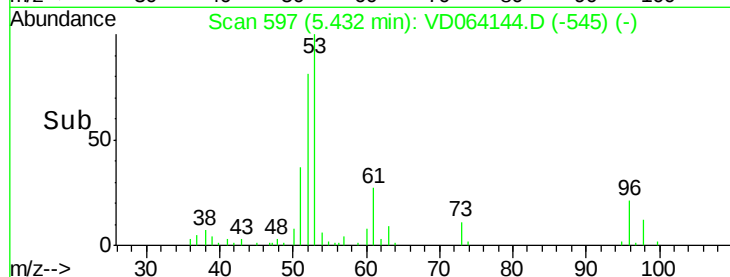
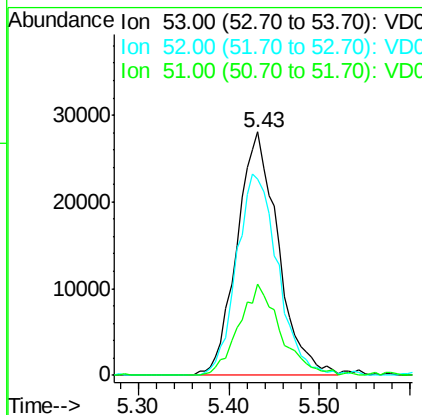
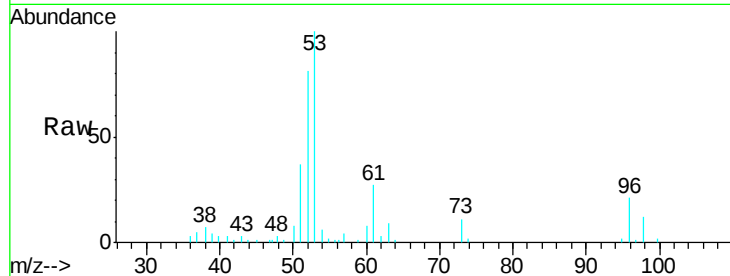
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	88462
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.2	99.4
51	37.7	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 241.273 ug/l

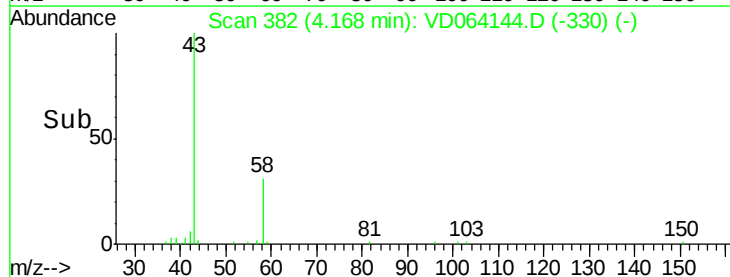
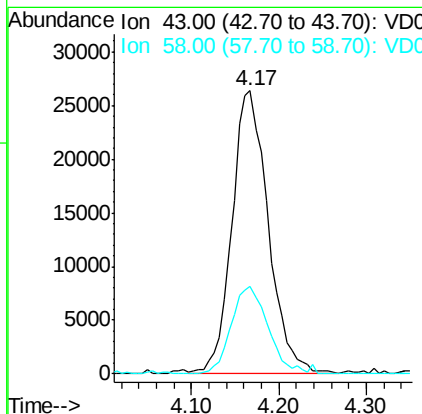
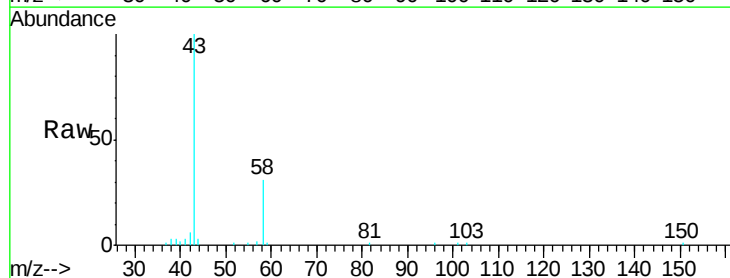
RT: 4.17 min Scan# 382

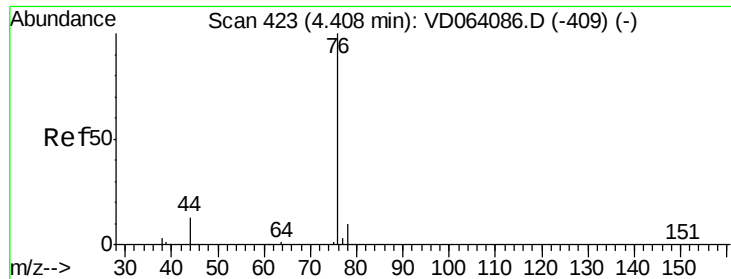
Delta R.T. 0.01 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Tgt Ion:	43	Resp:	74342
Ion	Ratio	Lower	Upper
43	100		
58	31.2	26.3	39.5





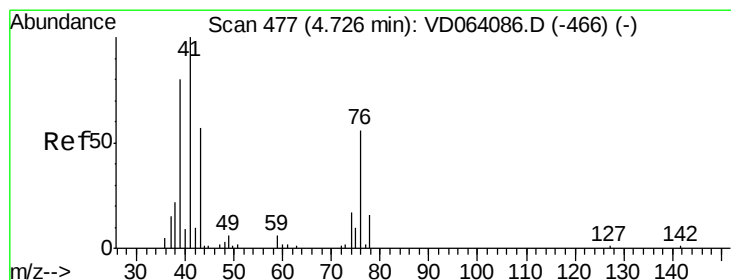
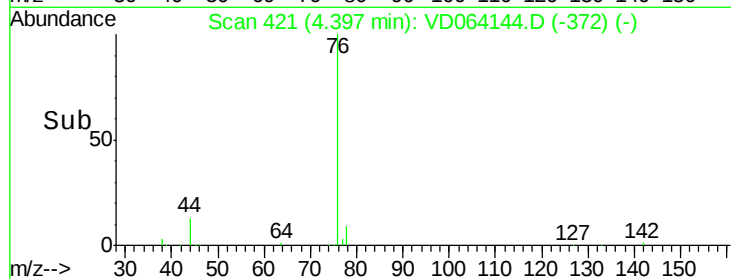
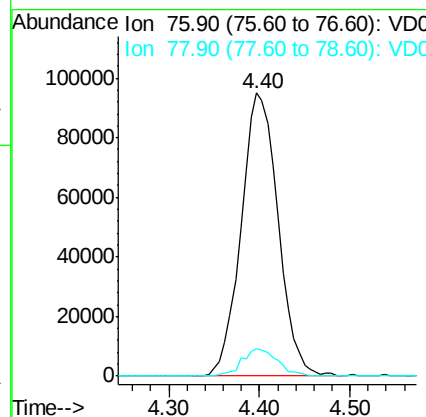
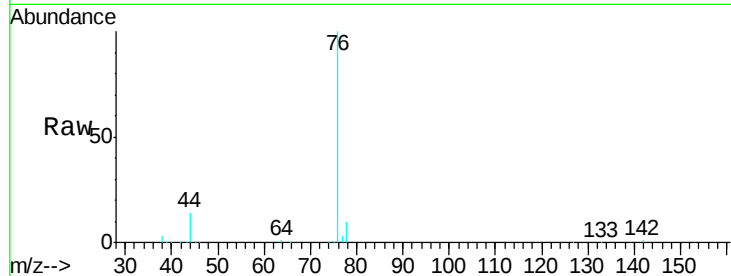
#17
Carbon Disulfide
Concen: 49.549 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.8	8.1	12.1

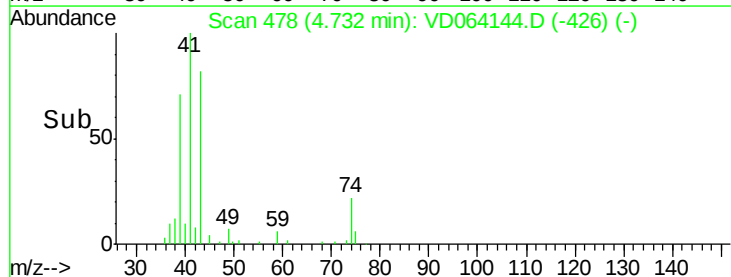
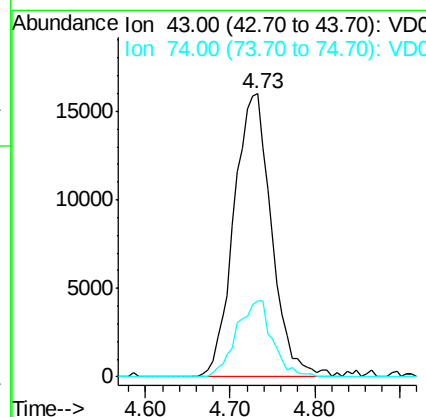
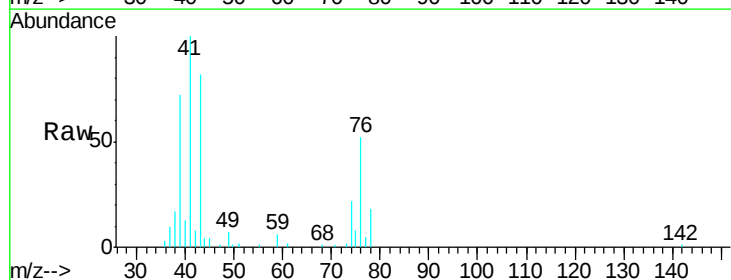
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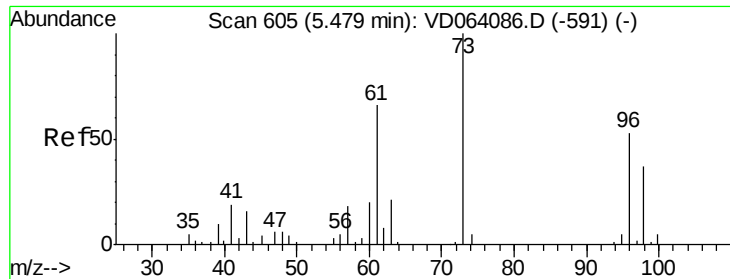
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#18
Methyl Acetate
Concen: 60.176 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.7	22.2	33.4





#19

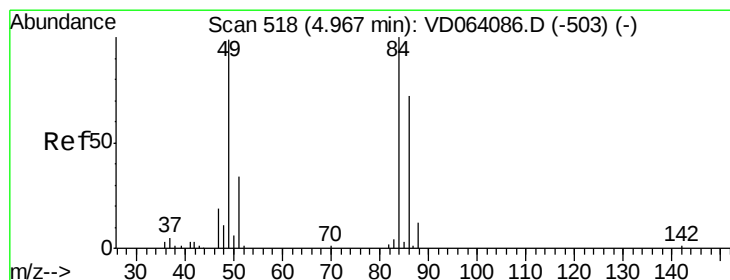
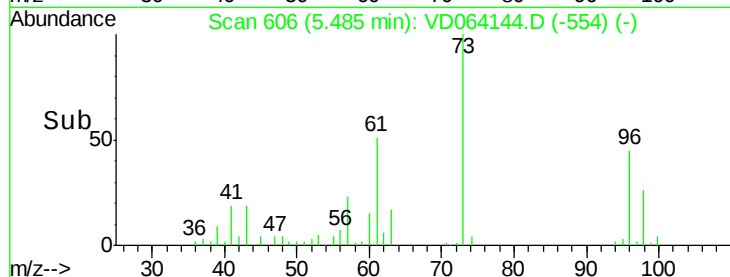
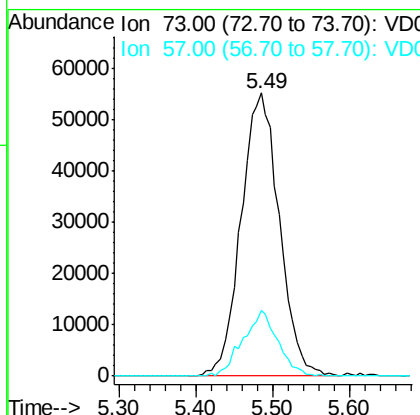
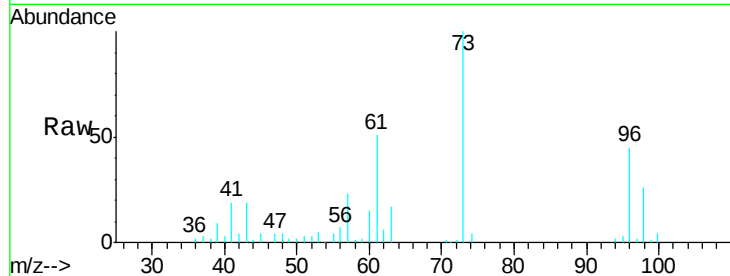
Methyl tert-butyl Ether
 Concen: 53.423 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 73 Resp: 191477
 Ion Ratio Lower Upper
 73 100
 57 23.1 14.3 21.5#

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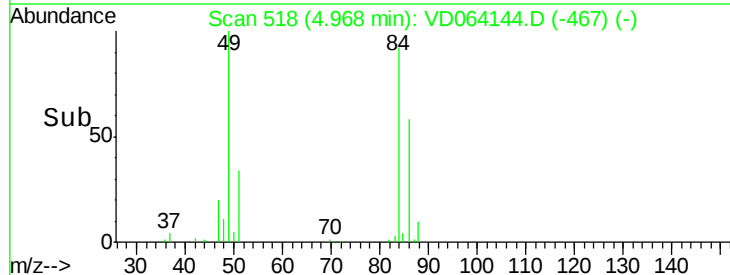
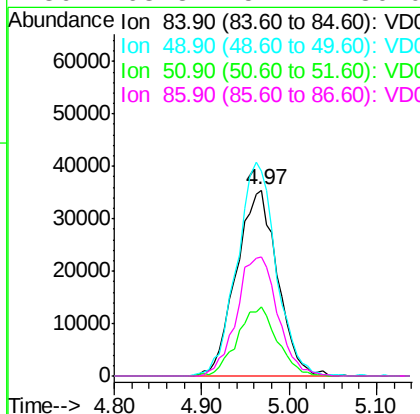
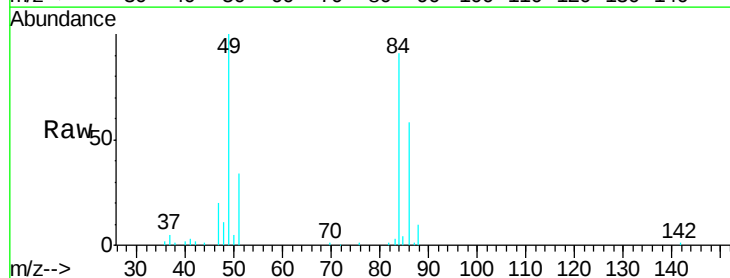
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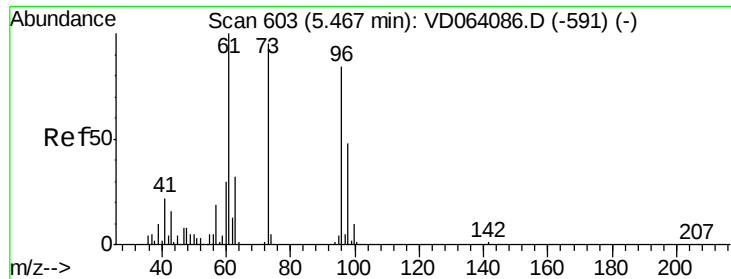


#20

Methylene Chloride
 Concen: 58.391 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Tgt Ion: 84 Resp: 113584
 Ion Ratio Lower Upper
 84 100
 49 109.8 79.4 119.0
 51 37.4 27.4 41.2
 86 63.8 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 53.573 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

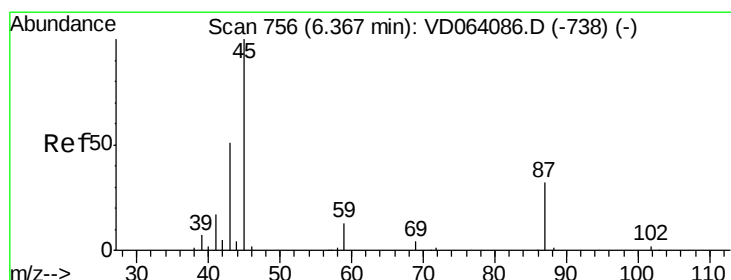
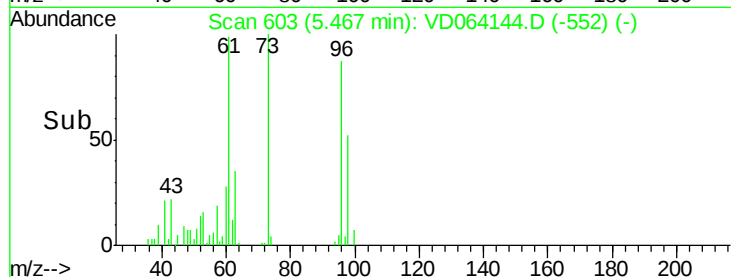
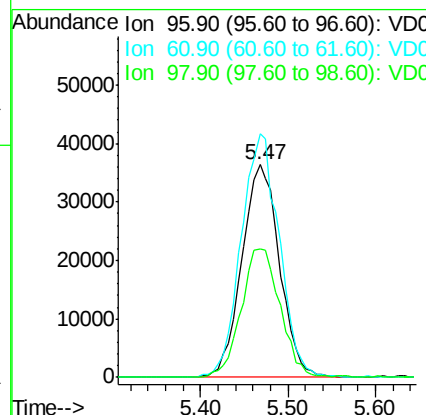
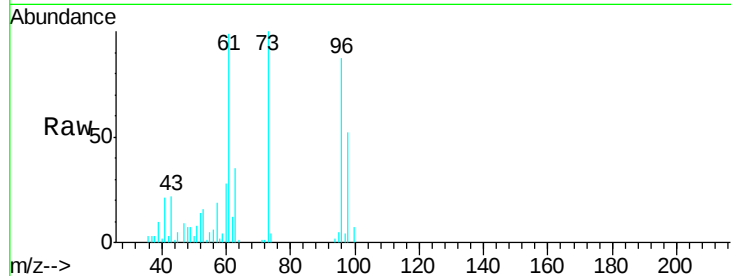
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	106224
Ion	Ratio	Lower	Upper
96	100		
61	114.7	95.0	142.6
98	60.6	45.8	68.8

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#22

Diisopropyl ether

Concen: 54.605 ug/l

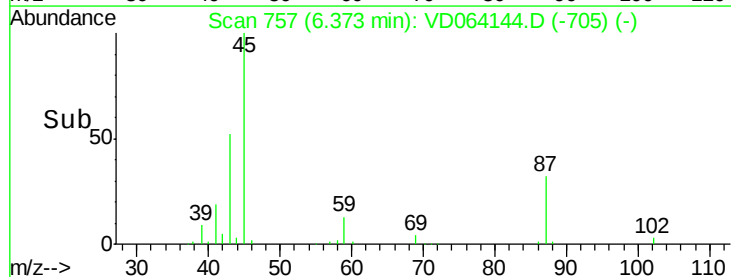
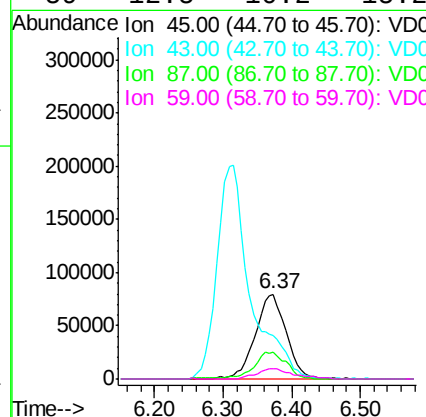
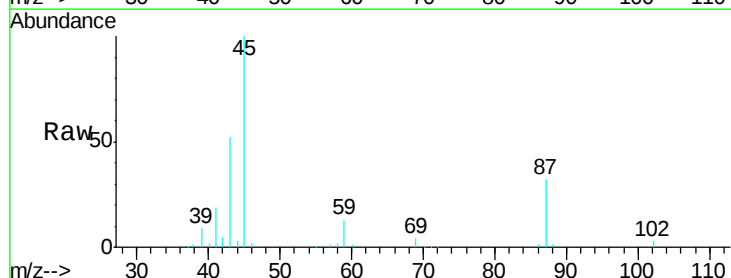
RT: 6.37 min Scan# 757

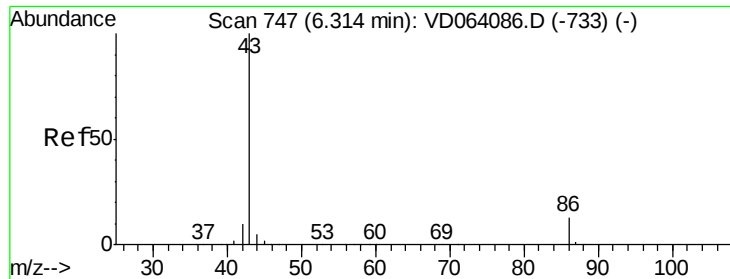
Delta R.T. 0.01 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Tgt Ion:	45	Resp:	250009
Ion	Ratio	Lower	Upper
45	100		
43	51.2	44.3	66.5
87	31.9	26.6	39.8
59	12.5	10.2	15.2





#23

Vinyl Acetate

Concen: 270.795 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 679615

Ion Ratio Lower Upper

43 100

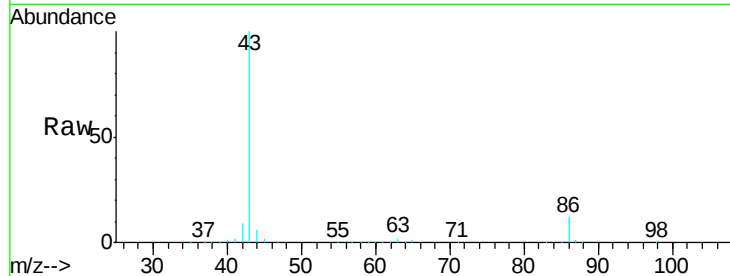
86 11.6 10.7 16.1

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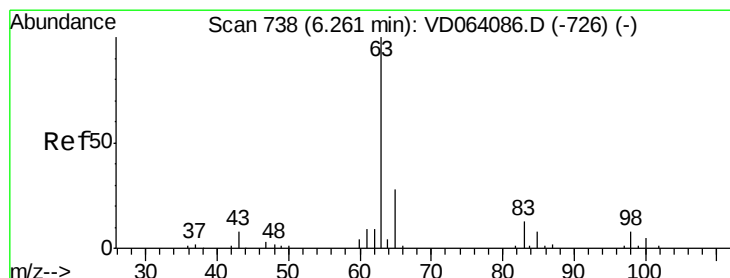
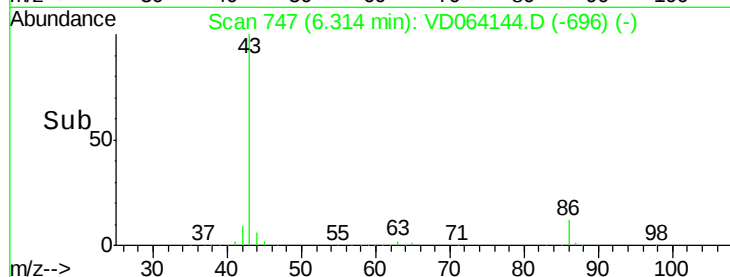
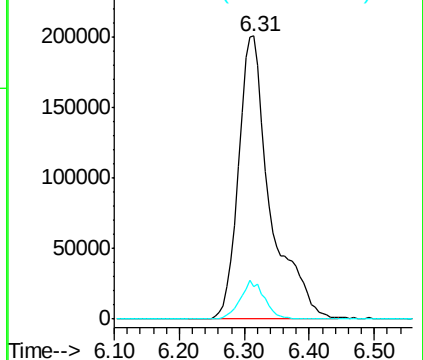
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.198 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

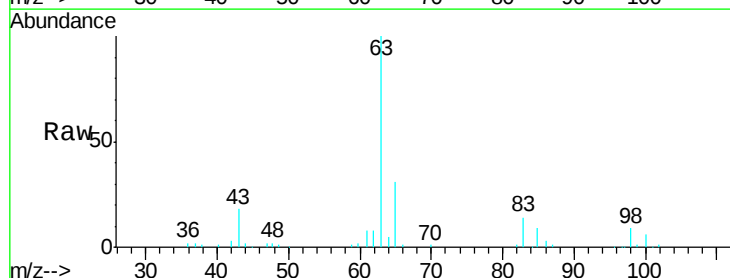
Tgt Ion: 63 Resp: 161385

Ion Ratio Lower Upper

63 100

98 9.3 4.0 11.9

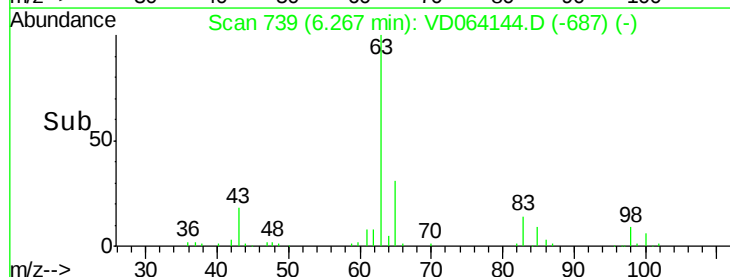
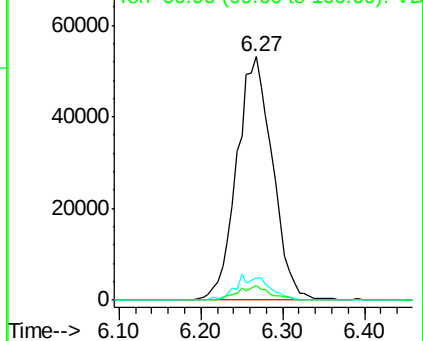
100 6.1 2.6 7.8

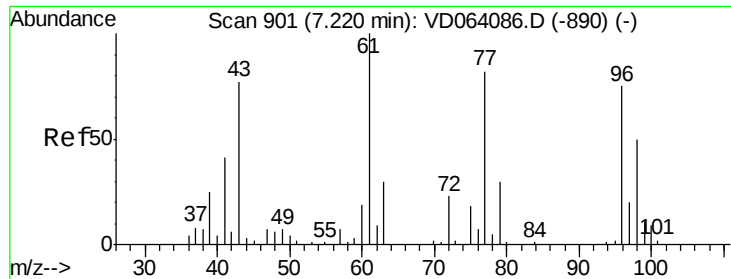


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 243.761 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 103835

Ion Ratio Lower Upper

43 100

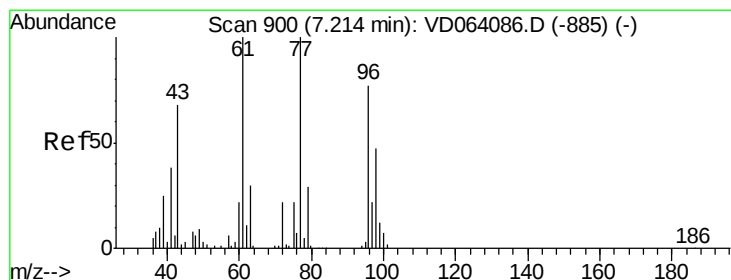
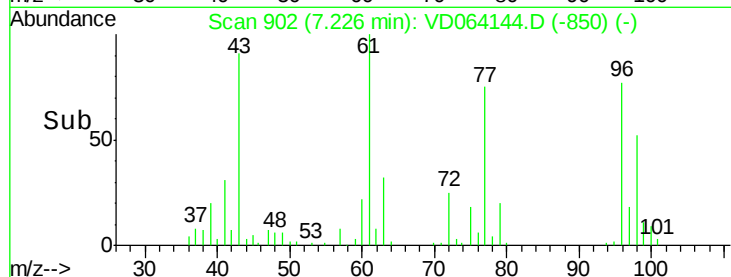
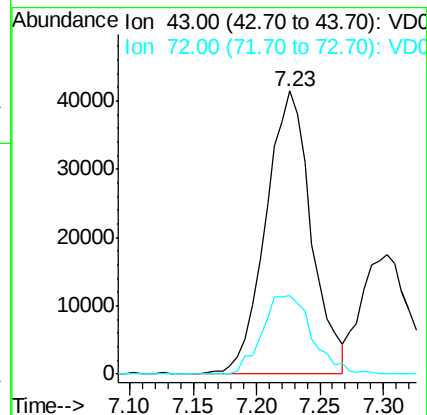
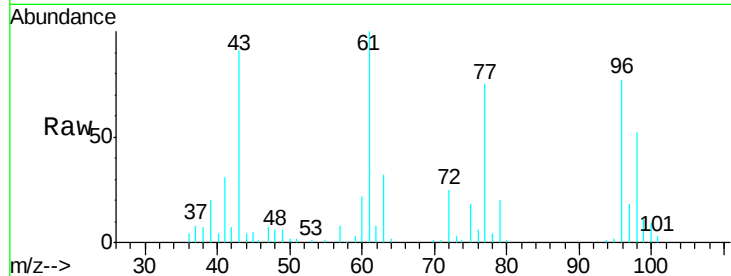
72 28.0 23.4 35.0

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#26

2,2-Dichloropropane

Concen: 45.943 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064144.D

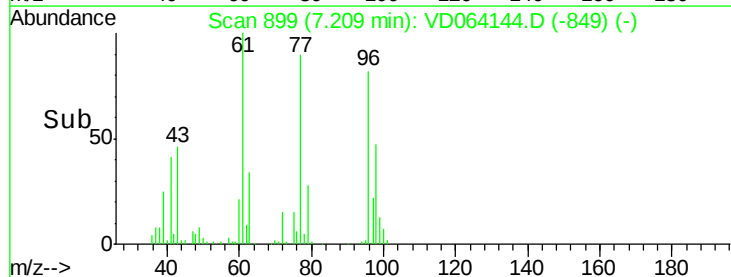
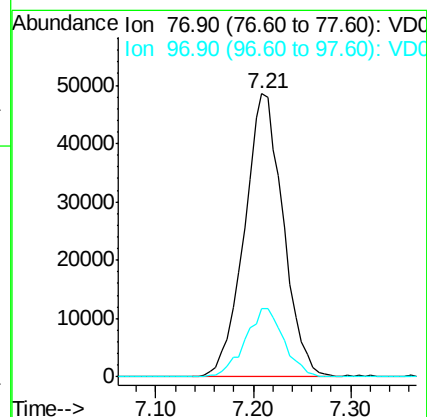
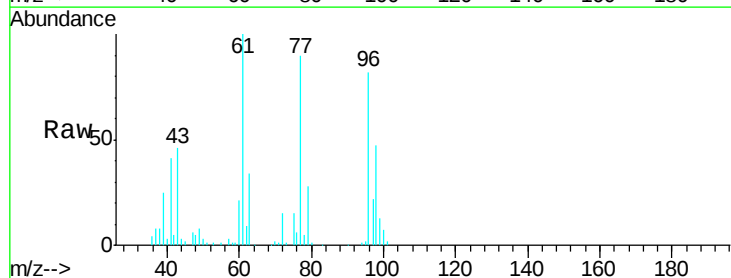
Acq: 31 Oct 2019 21:34

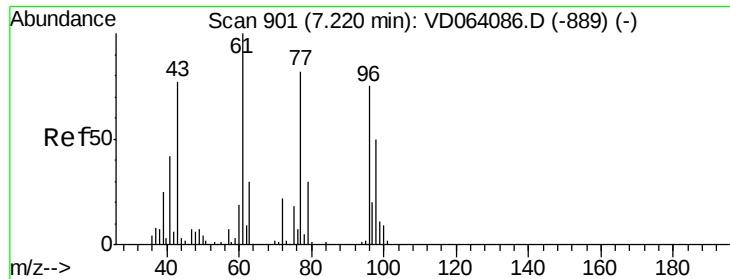
Tgt Ion: 77 Resp: 134819

Ion Ratio Lower Upper

77 100

97 24.1 11.2 33.5





#27

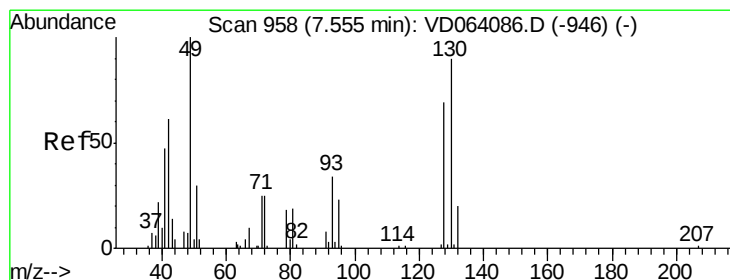
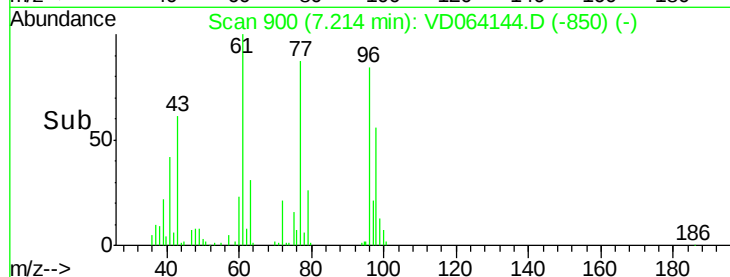
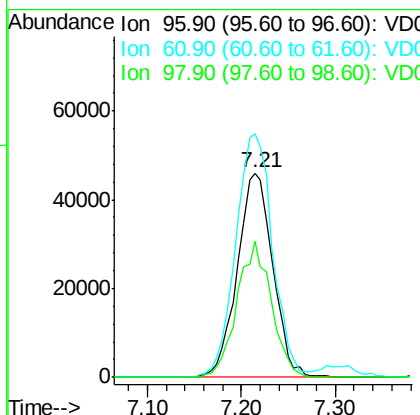
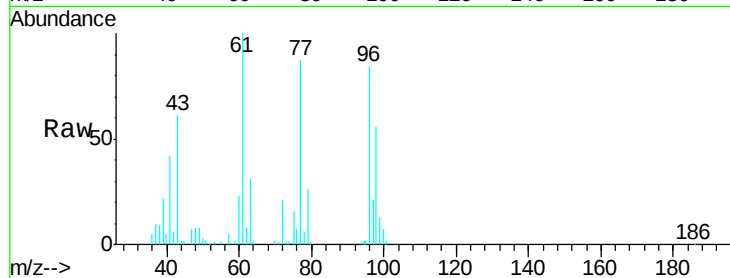
cis-1,2-Dichloroethene
Concen: 54.178 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	120204		
61	124.3	0.0	258.0	
98	64.2	0.0	130.8	

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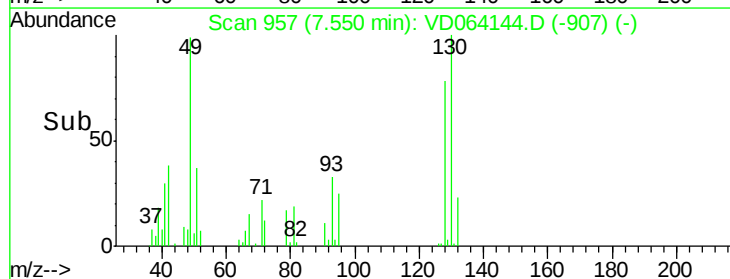
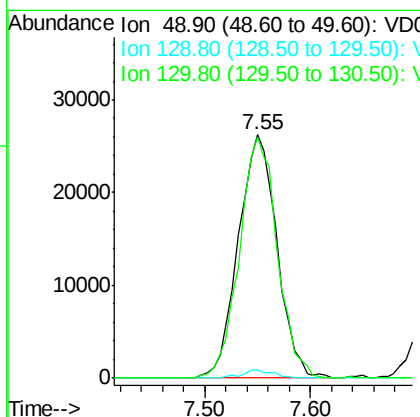
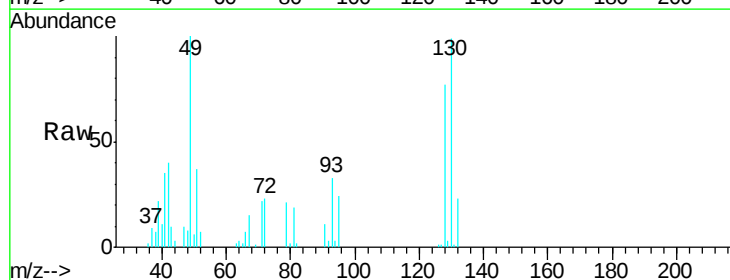
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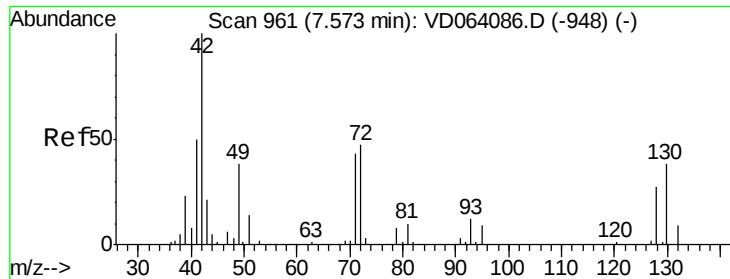


#28

Bromochloromethane
Concen: 54.880 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	66416		
129	2.7	0.0	5.4	
130	97.0	75.3	112.9	





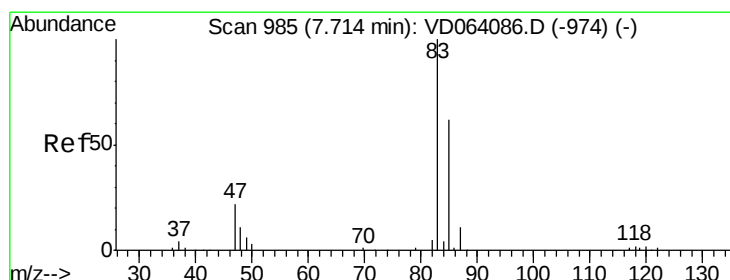
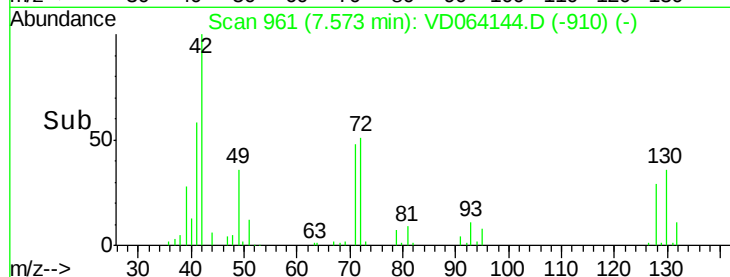
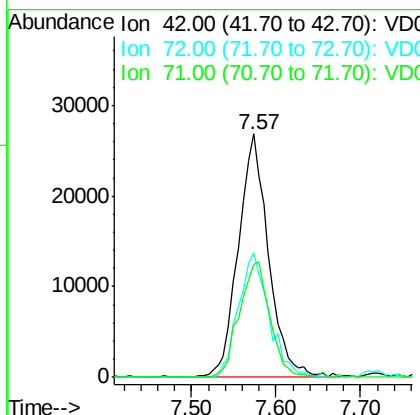
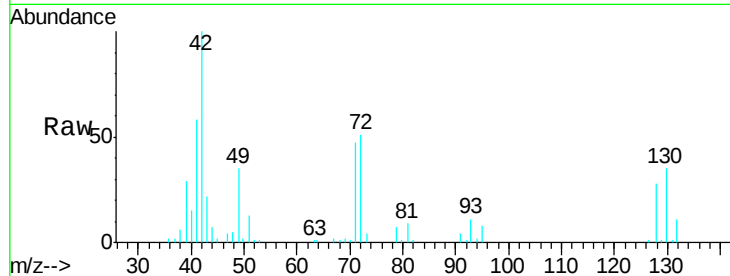
#29
Tetrahydrofuran
Concen: 267.627 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 66533
Ion Ratio Lower Upper
42 100
72 51.7 38.9 58.3
71 47.7 35.4 53.2

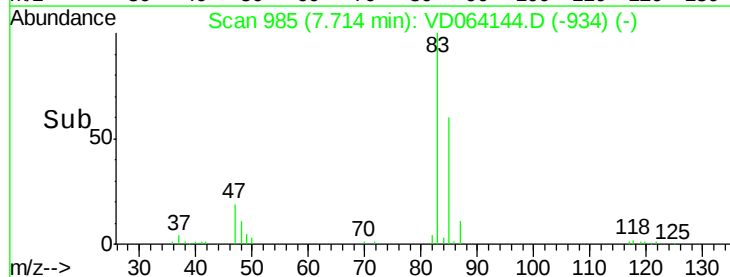
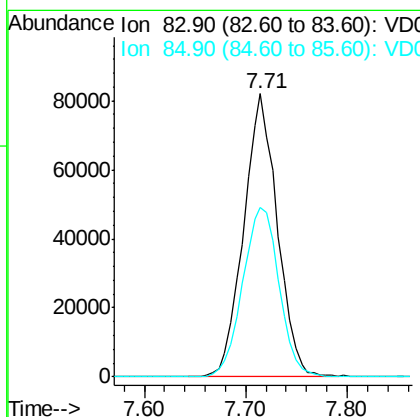
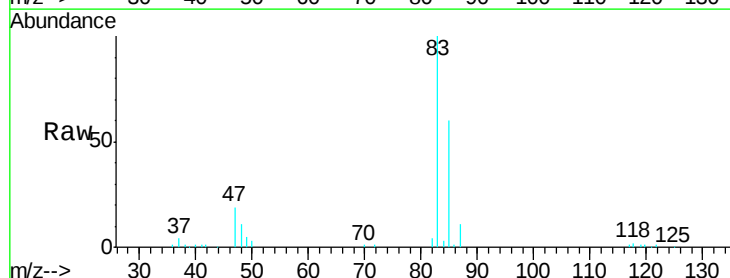
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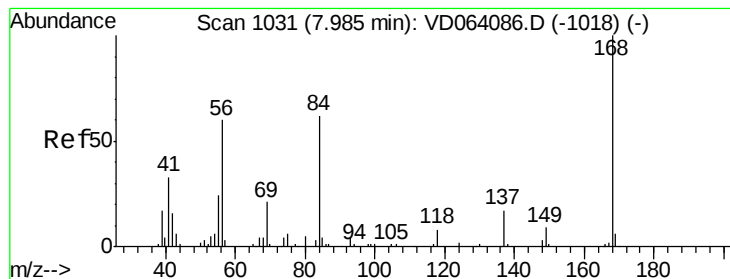
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#30
Chloroform
Concen: 53.613 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion: 83 Resp: 189678
Ion Ratio Lower Upper
83 100
85 59.7 49.8 74.6





#31

Cyclohexane

Concen: 43.305 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

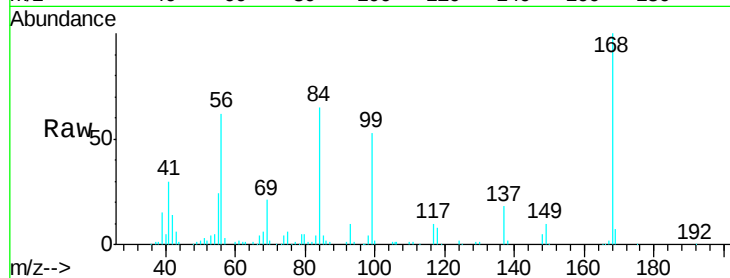
ClientSampleId :

VSTDCCC050EC

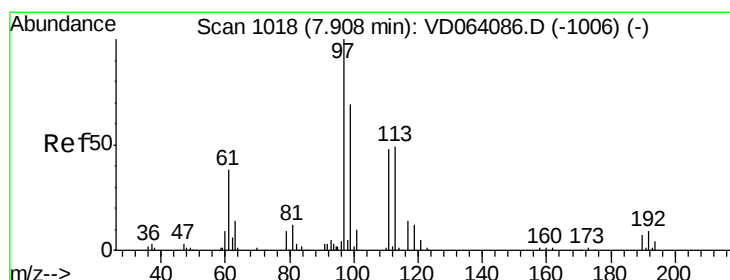
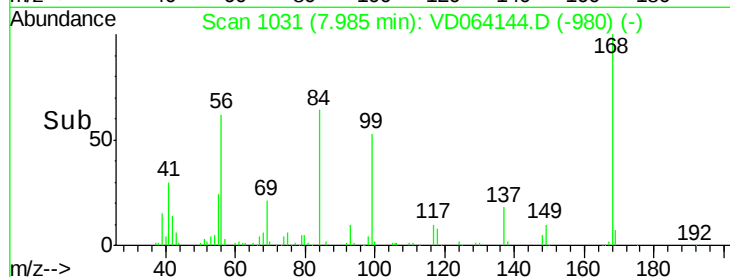
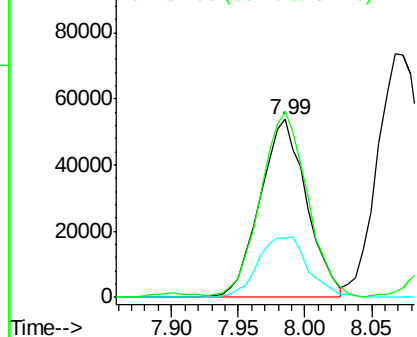
Tgt Ion:	56	Resp:	130441
Ion Ratio	Lower	Upper	
56	100		
69	33.6	27.7	41.5
84	102.7	83.1	124.7

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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 50.703 ug/l

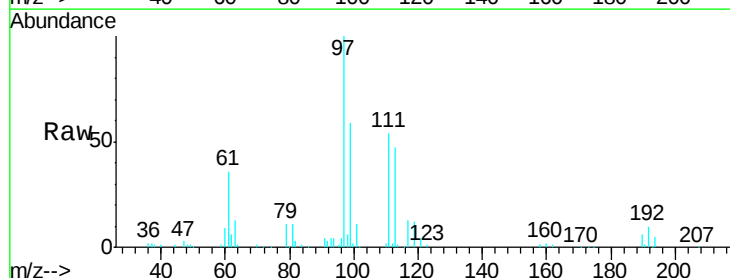
RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

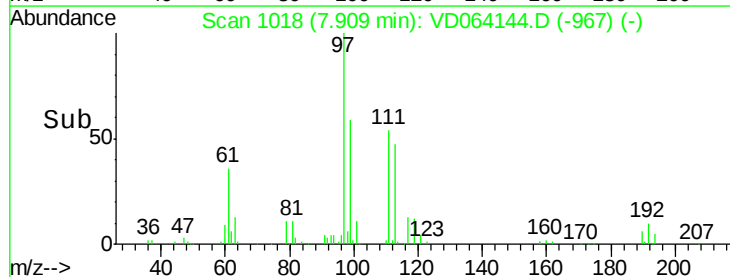
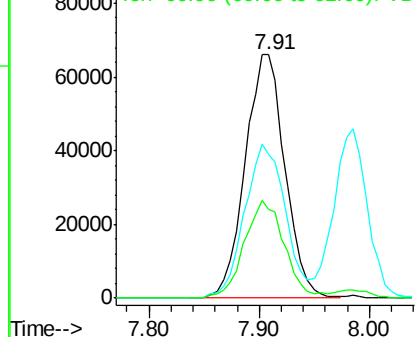
Lab File: VD064144.D

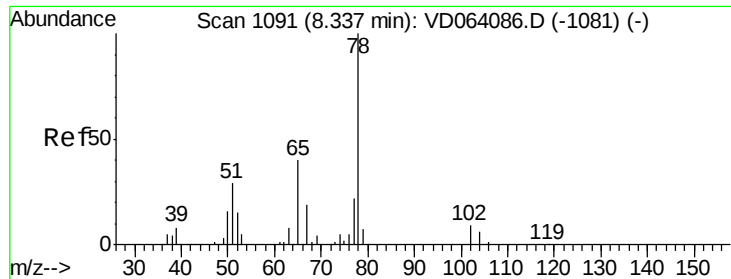
Acq: 31 Oct 2019 21:34

Tgt Ion:	97	Resp:	166979
Ion Ratio	Lower	Upper	
97	100		
99	64.2	53.7	80.5
61	40.4	31.8	47.6



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





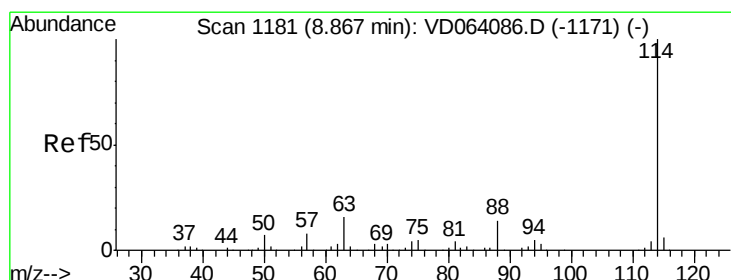
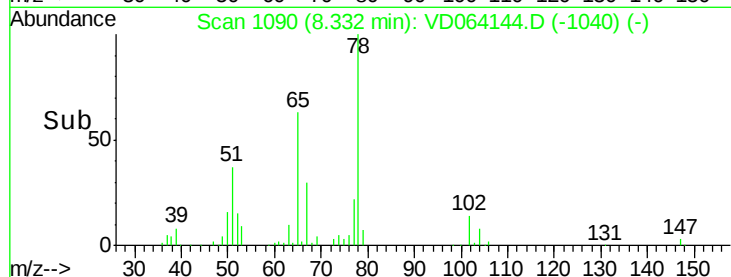
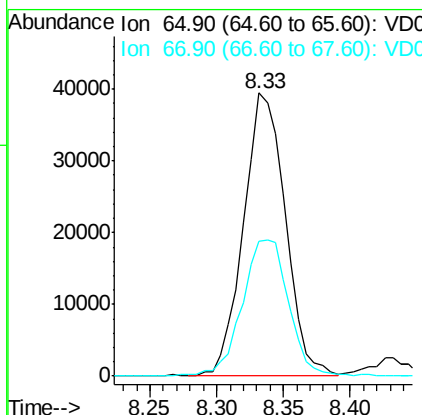
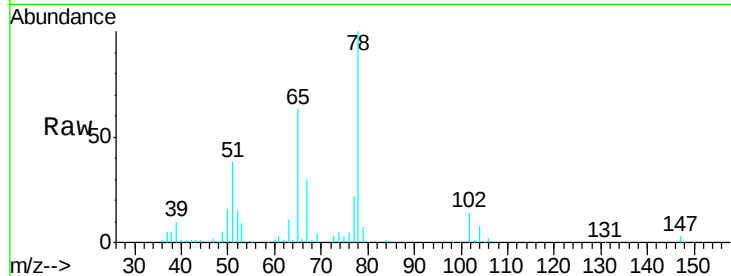
#33
 1,2-Dichloroethane-d4
 Concen: 52.924 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 85706
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 104.6

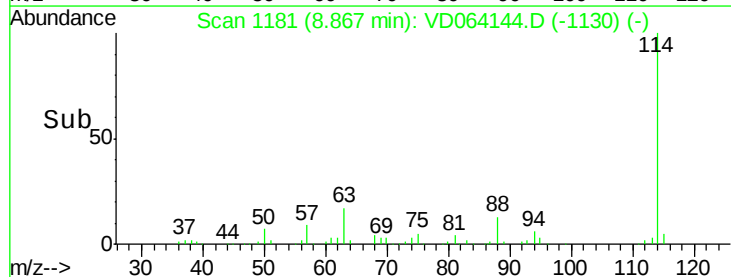
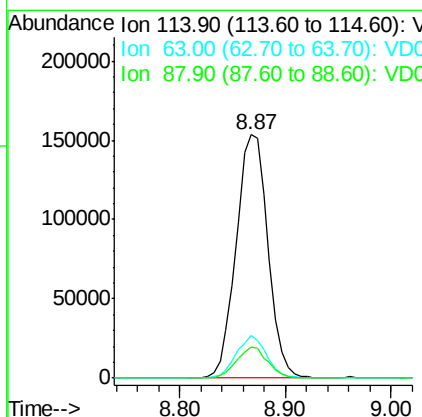
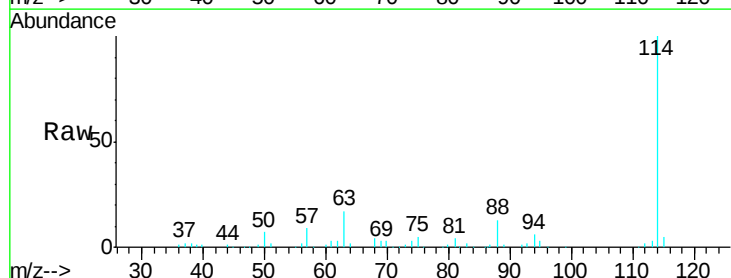
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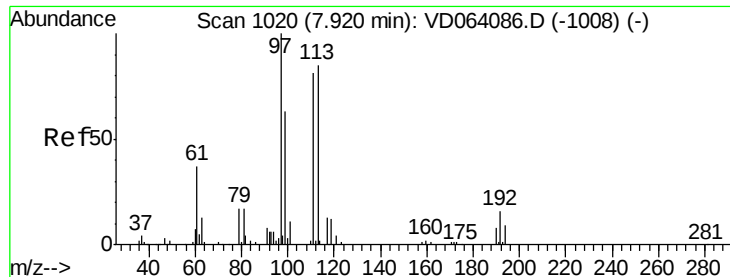
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Tgt Ion: 114 Resp: 320642
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 32.8
 88 12.9 0.0 27.6





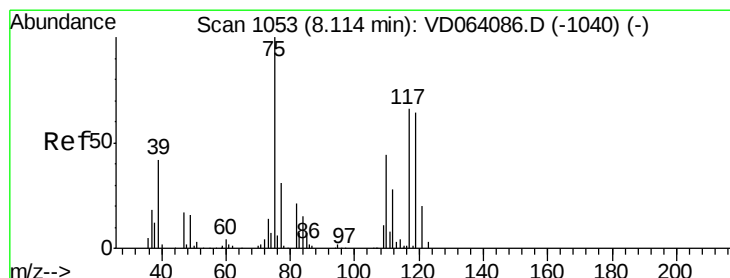
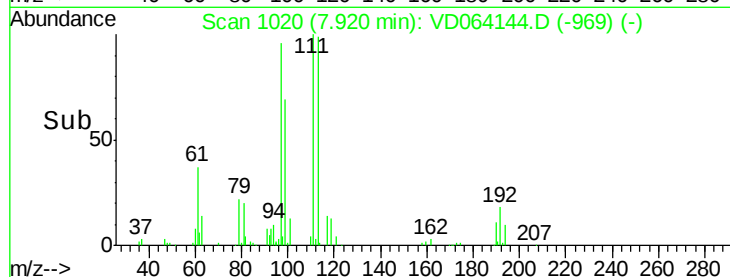
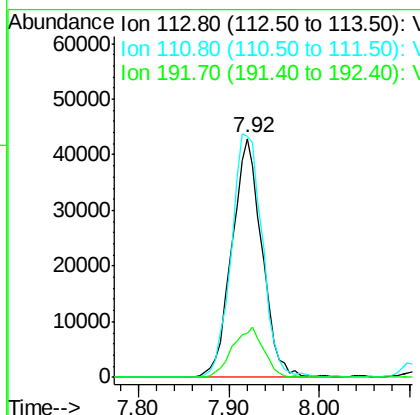
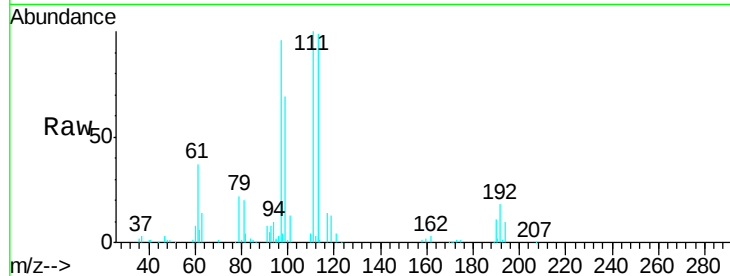
#35
Dibromofluoromethane
Concen: 50.166 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.1	79.3	118.9
192	21.4	16.2	24.2

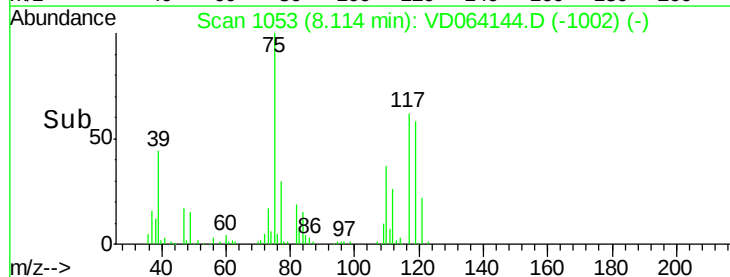
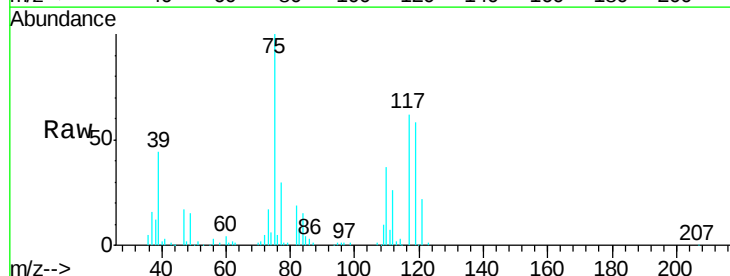
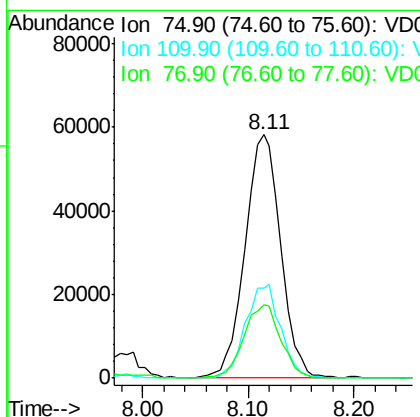
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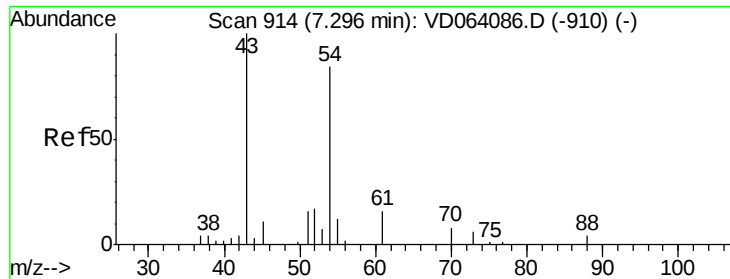
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#36
1,1-Dichloropropene
Concen: 45.478 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.9	20.0	59.9
77	31.0	24.7	37.1





#37

Ethyl Acetate

Concen: 47.710 ug/l

RT: 7.30 min Scan# 915

Delta R.T. 0.01 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

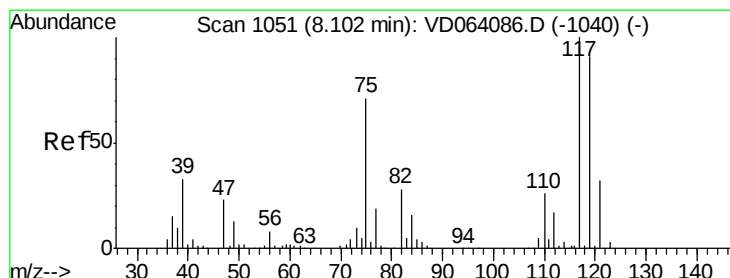
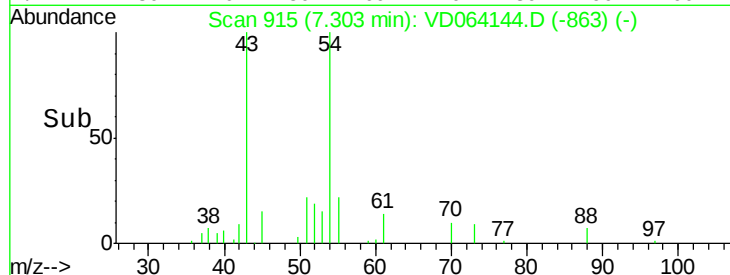
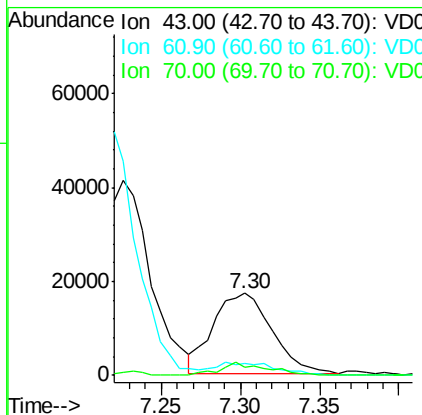
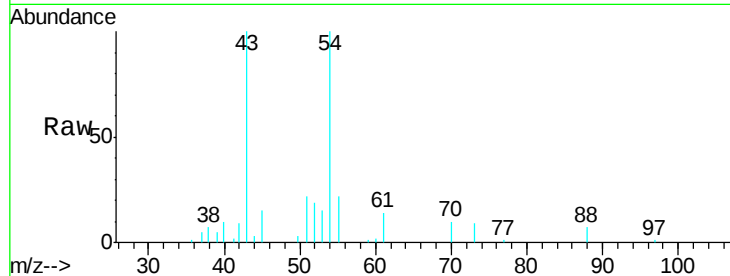
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	44122
Ion	Ratio	Lower	Upper
43	100		
61	17.0	12.0	18.0
70	12.8	3.8	5.6#

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#38

Carbon Tetrachloride

Concen: 46.353 ug/l

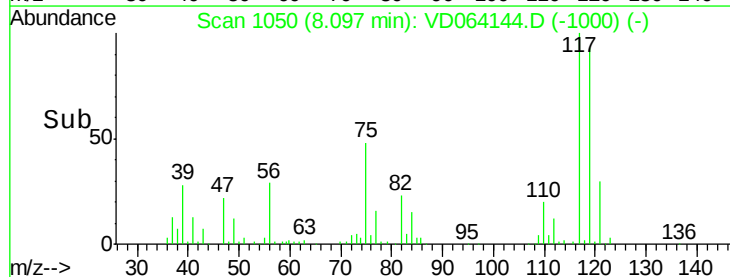
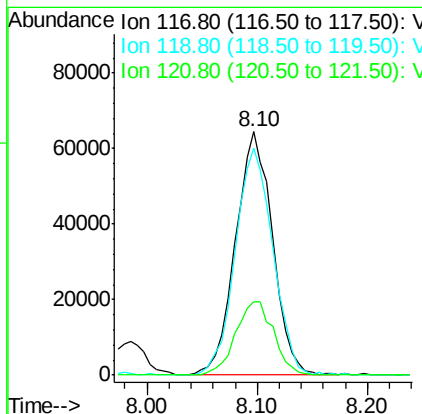
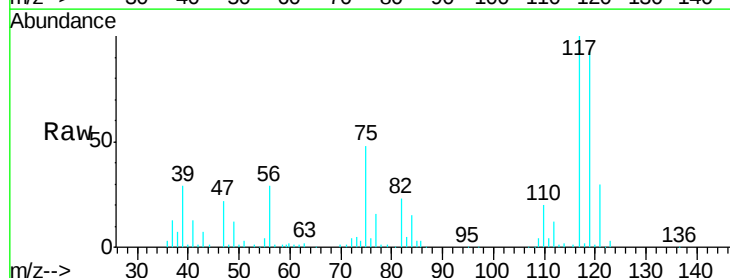
RT: 8.10 min Scan# 1050

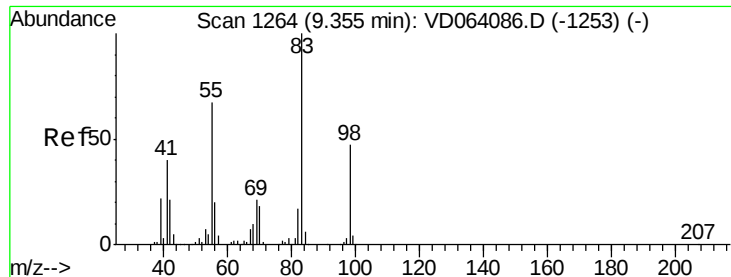
Delta R.T. -0.01 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Tgt Ion:	117	Resp:	151949
Ion	Ratio	Lower	Upper
117	100		
119	93.1	72.6	108.8
121	30.1	25.8	38.6





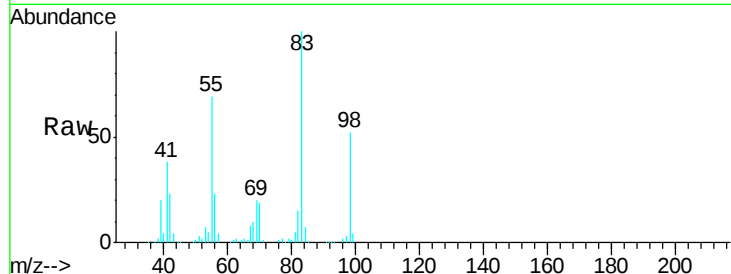
#39
Methylcyclohexane
Concen: 43.627 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

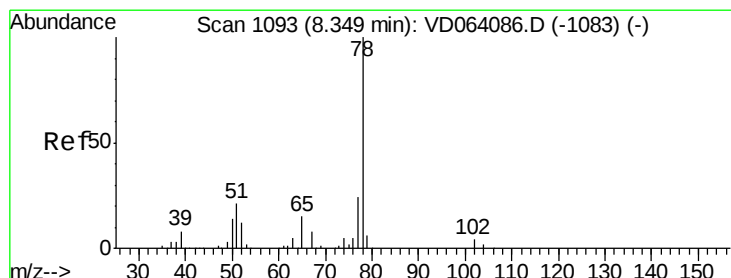
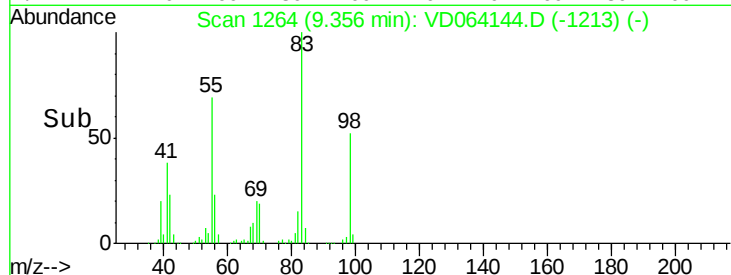
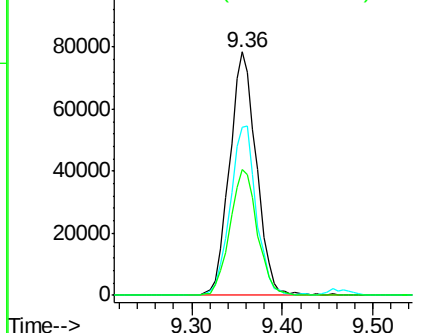
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	160905		
55	69.3		53.4	80.0
98	51.7		37.8	56.6

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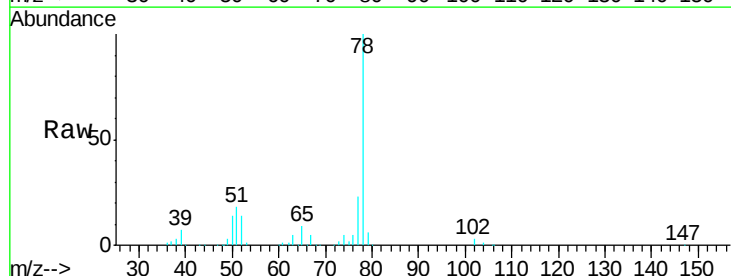


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

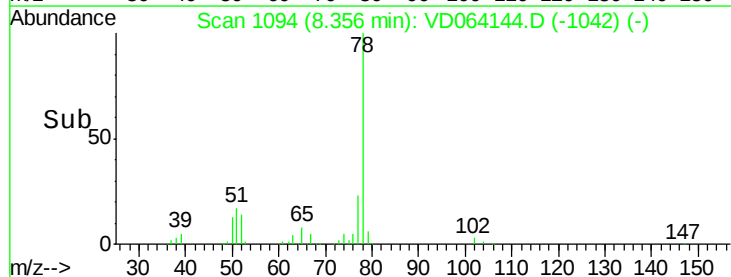
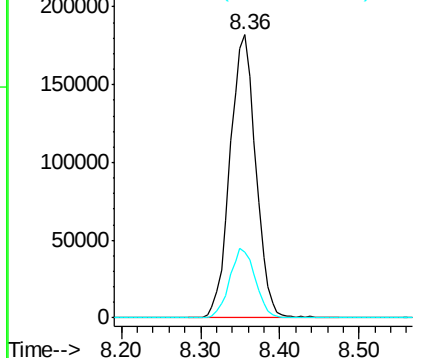


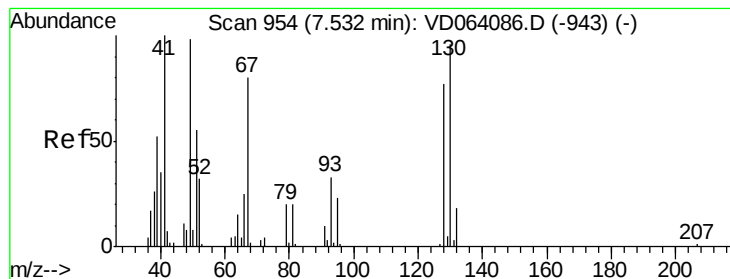
#40
Benzene
Concen: 49.888 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	408739		
77	23.1		19.0	28.4



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





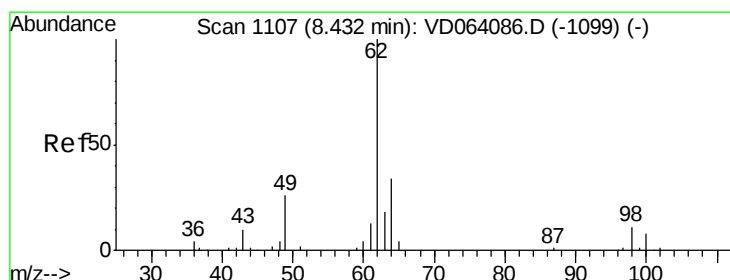
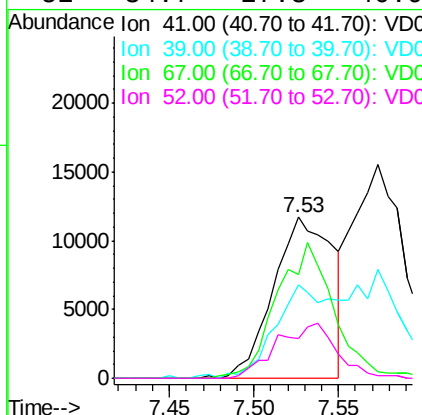
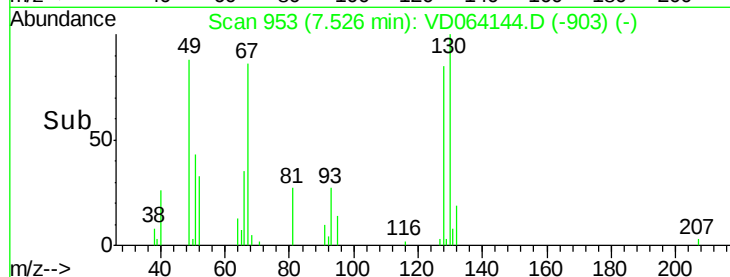
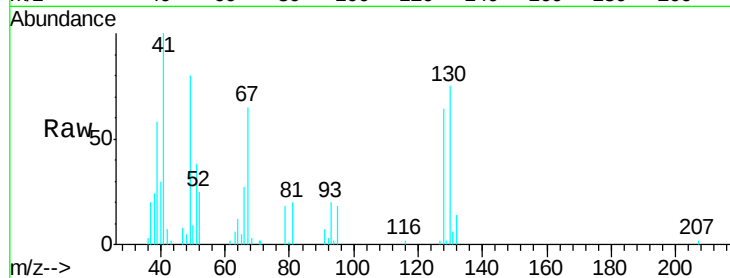
#41
Methacrylonitrile
Concen: 53.597 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.8	41.0	61.4
67	81.7	73.4	110.0
52	34.7	27.3	40.9

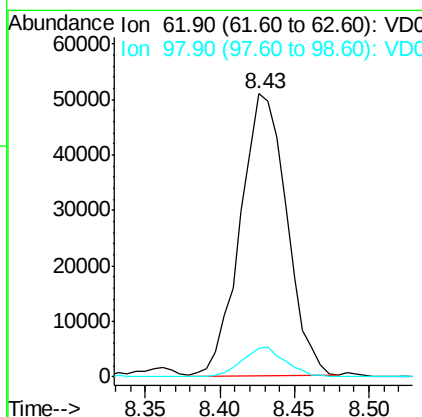
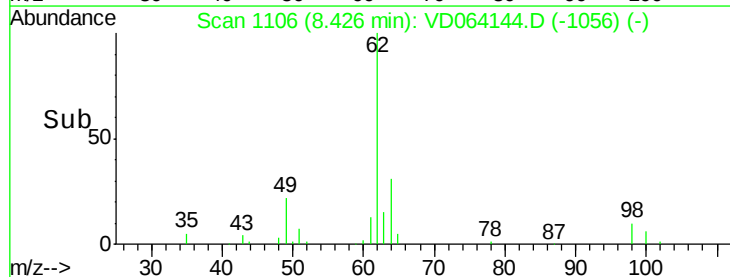
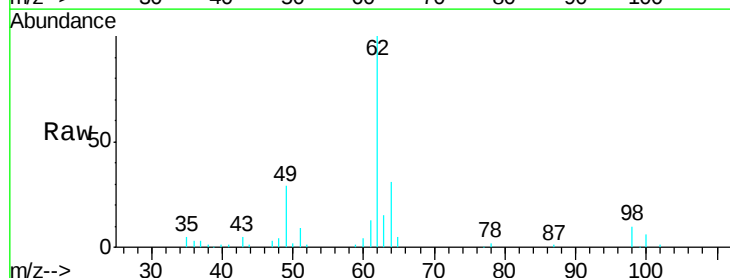
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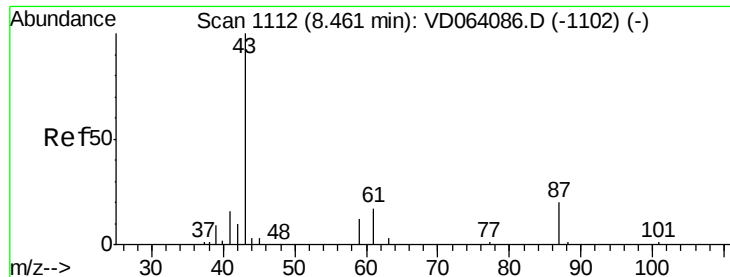
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.312 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	21.0





#43

Isopropyl Acetate

Concen: 48.431 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

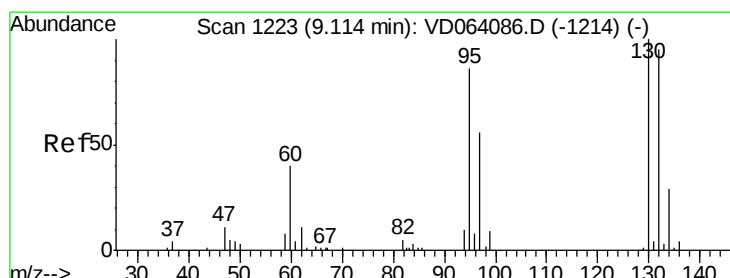
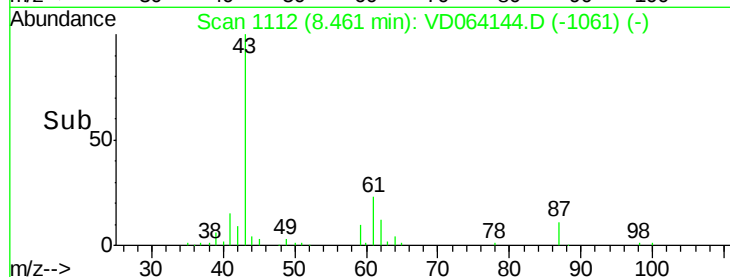
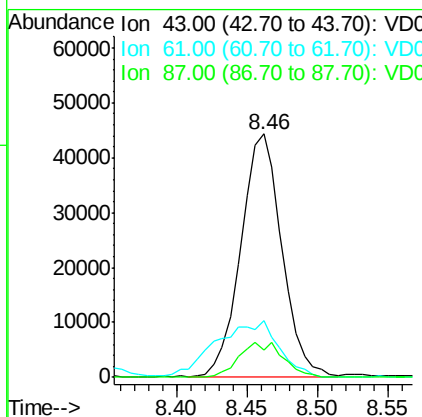
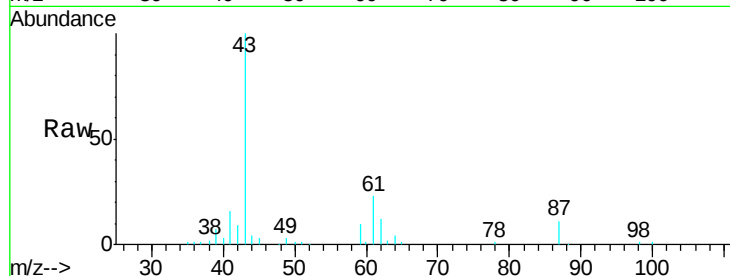
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	90515
Ion	Ratio	Lower	Upper
43	100		
61	35.2	25.8	38.8
87	15.5	13.0	19.4

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#44

Trichloroethene

Concen: 49.702 ug/l

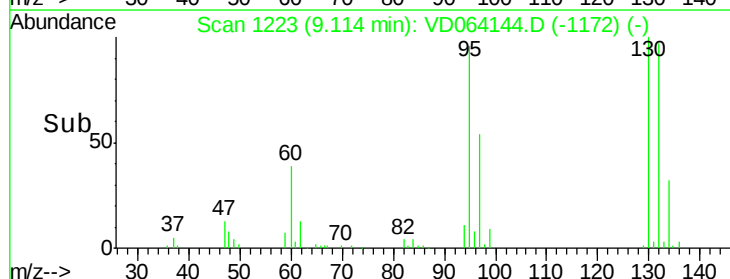
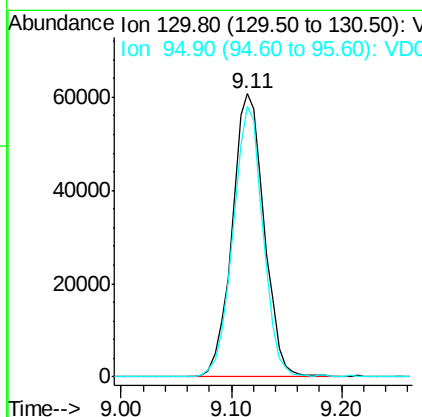
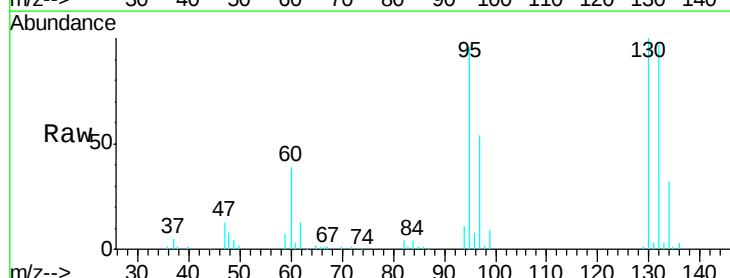
RT: 9.11 min Scan# 1223

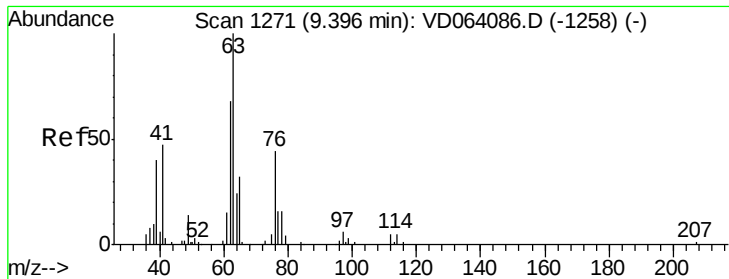
Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Tgt Ion:	130	Resp:	123423
Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	173.0





#45

1,2-Dichloropropane

Concen: 49.166 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 93355

Ion Ratio Lower Upper

63 100

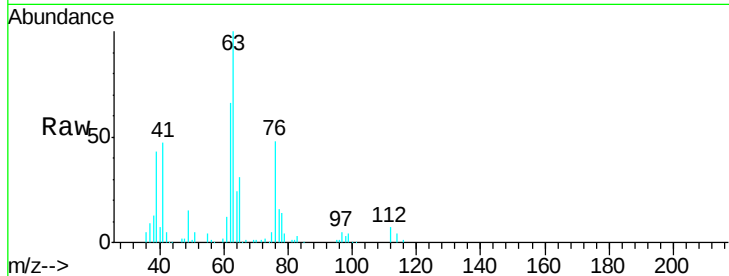
65 31.2 25.8 38.8

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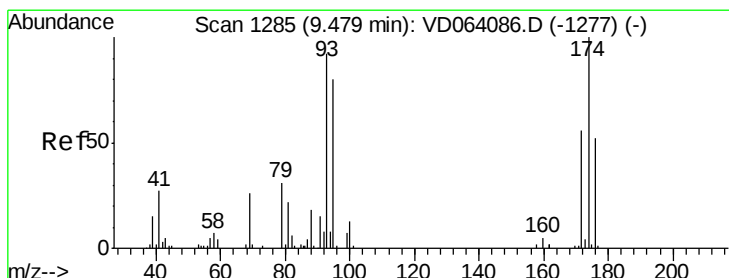
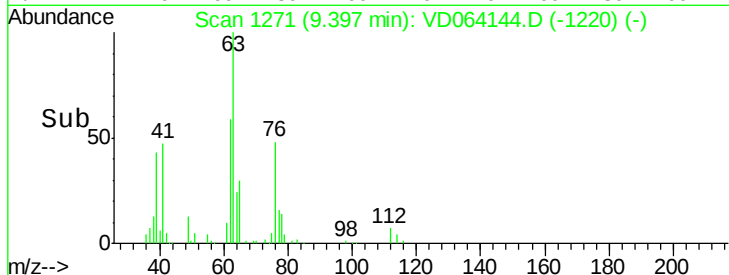
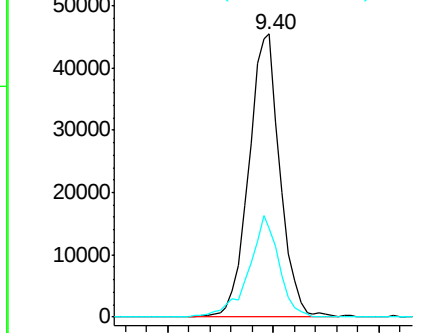
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 52.780 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

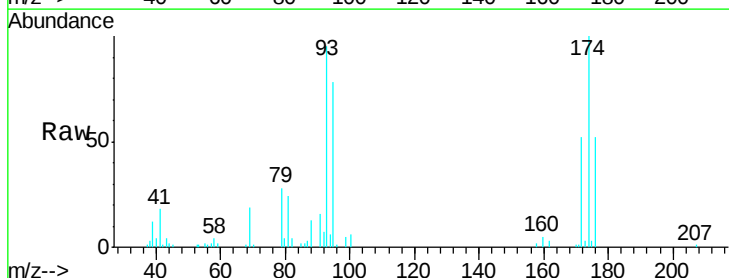
Tgt Ion: 93 Resp: 60357

Ion Ratio Lower Upper

93 100

95 81.3 67.4 101.2

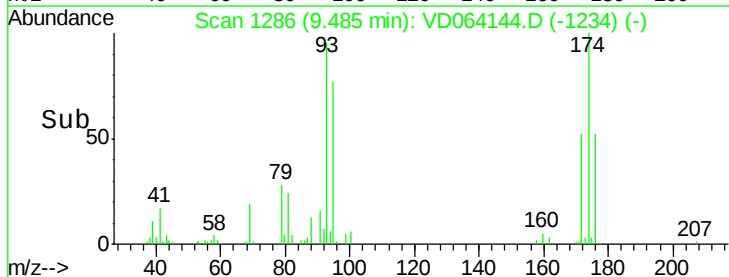
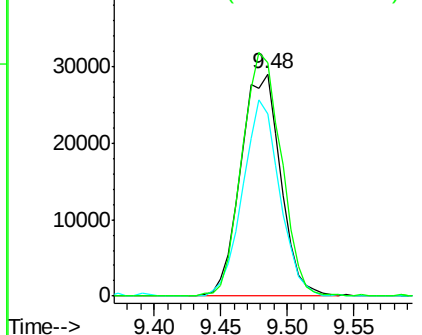
174 107.3 86.4 129.6

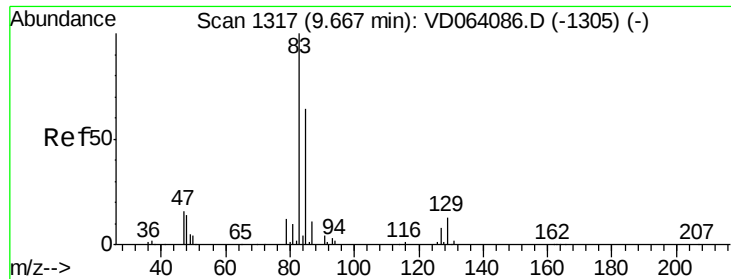


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.883 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

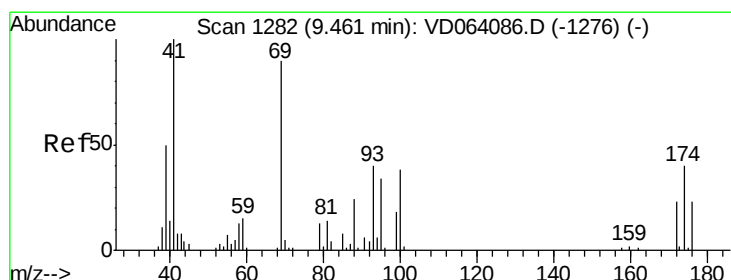
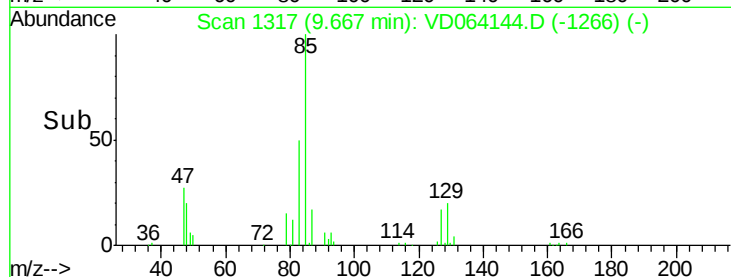
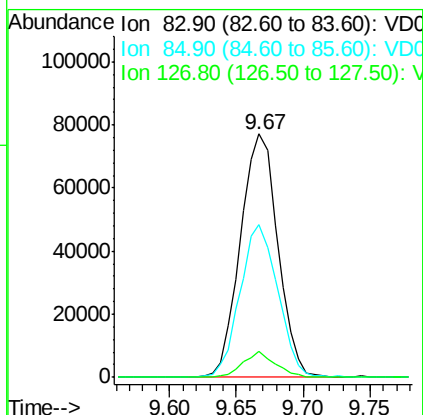
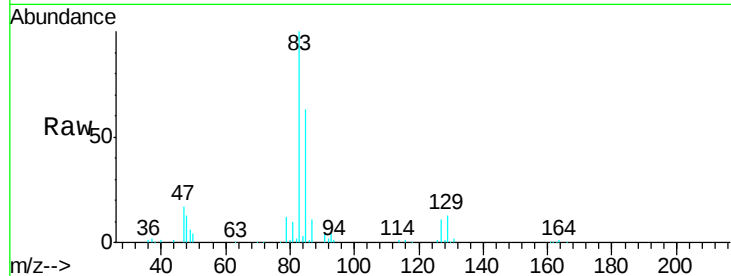
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	149680
Ion Ratio	Lower	Upper	
83	100		
85	62.9	51.4	77.0
127	10.7	6.7	10.1#

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#48

Methyl methacrylate

Concen: 52.146 ug/l

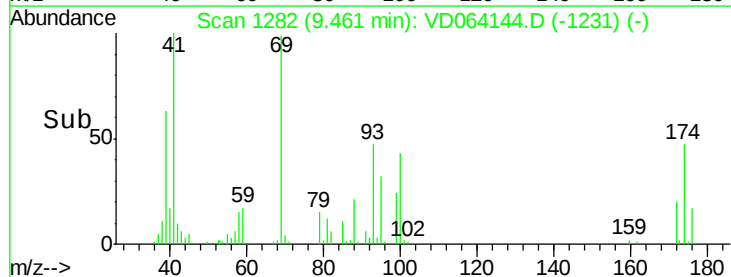
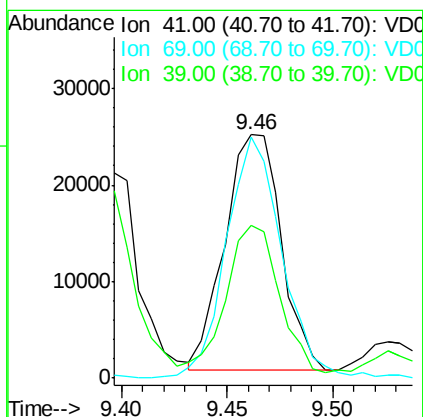
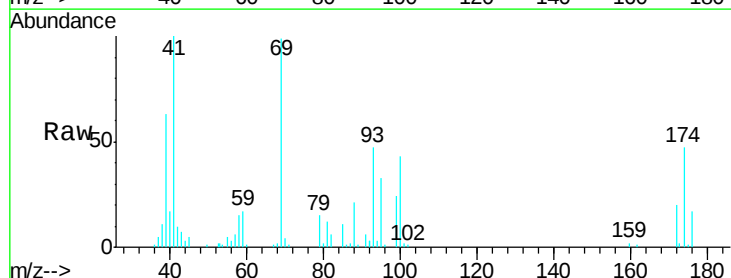
RT: 9.46 min Scan# 1282

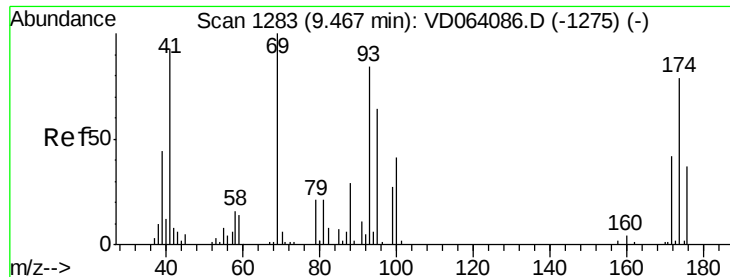
Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Tgt Ion:	41	Resp:	45069
Ion Ratio	Lower	Upper	
41	100		
69	102.0	82.6	124.0
39	64.4	47.0	70.4





#49

1,4-Dioxane

Concen: 1141.630 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 88 Resp: 14944

Ion Ratio Lower Upper

88 100

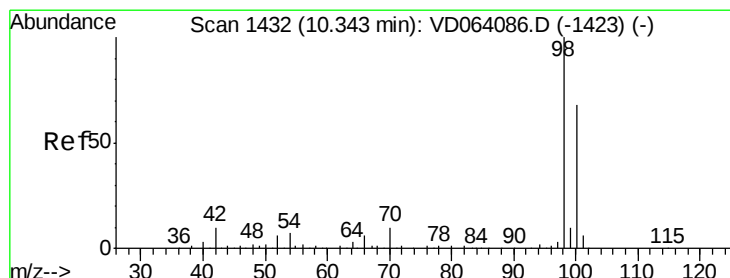
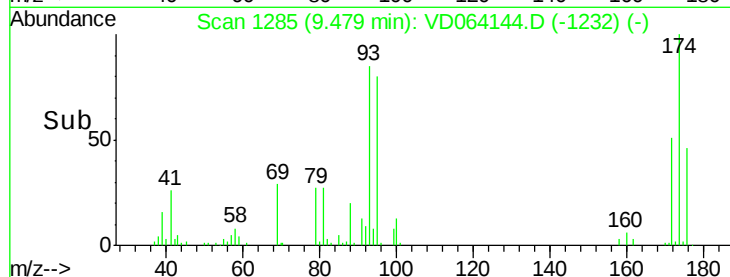
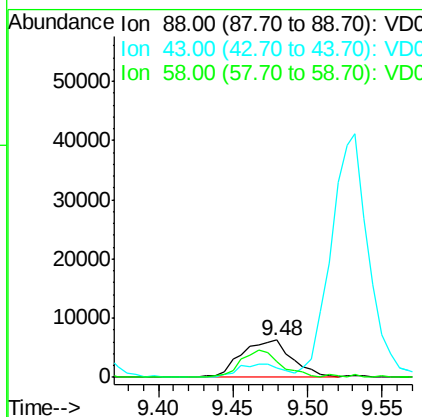
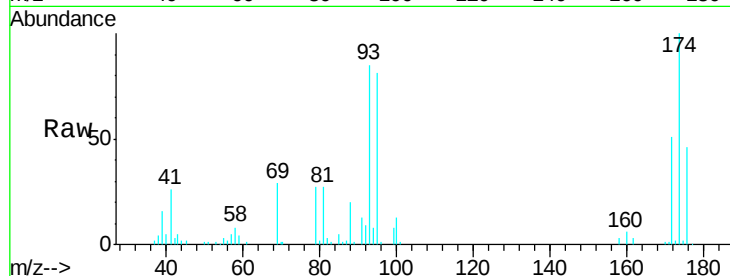
43 29.8 13.4 20.0#

58 57.3 46.7 70.1

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#50

Toluene-d8

Concen: 48.728 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064144.D

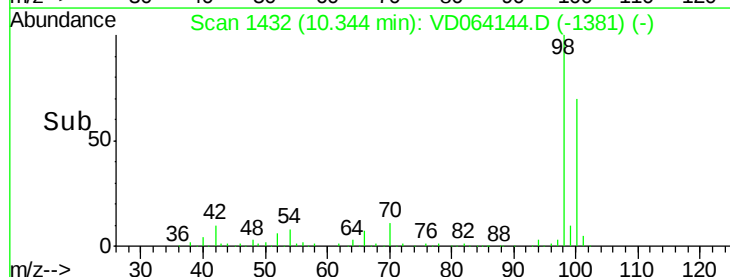
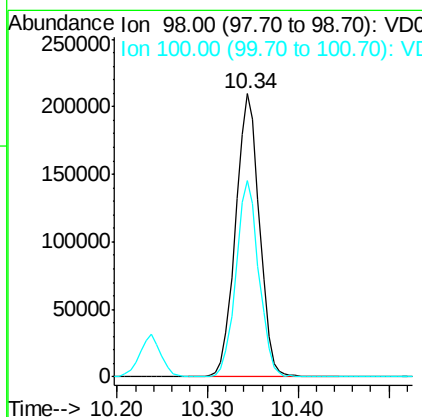
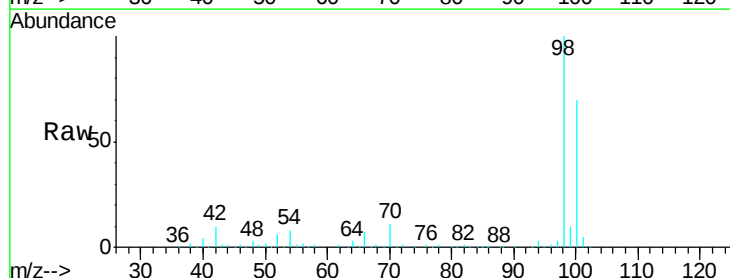
Acq: 31 Oct 2019 21:34

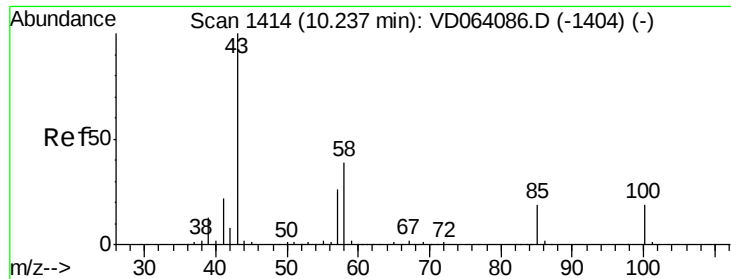
Tgt Ion: 98 Resp: 384419

Ion Ratio Lower Upper

98 100

100 66.7 53.4 80.0





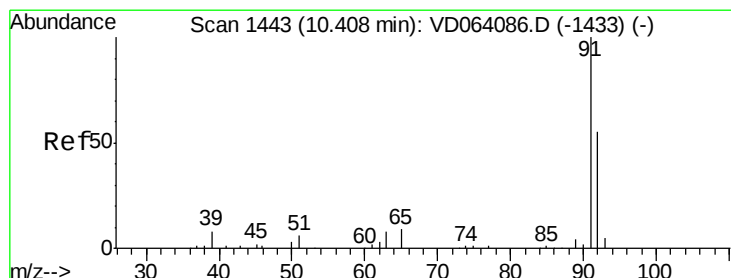
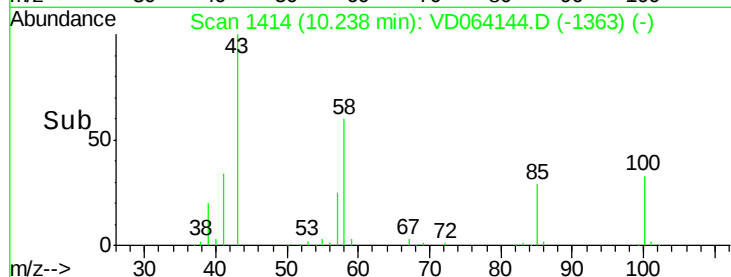
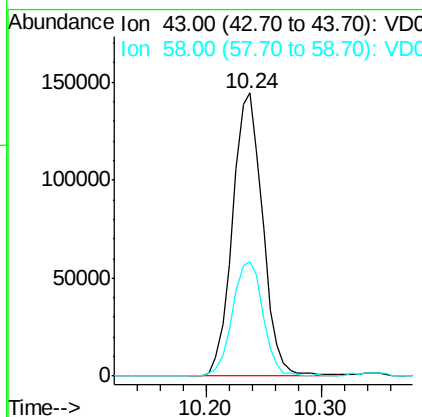
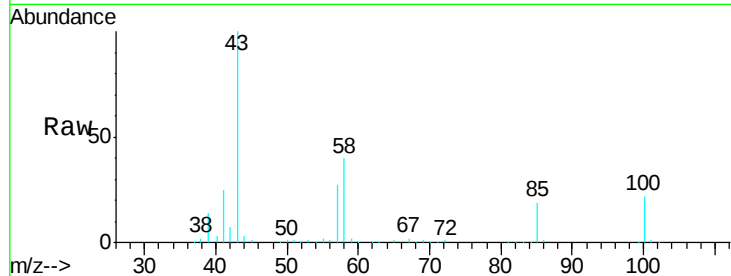
#51
4-Methyl-2-Pentanone
Concen: 256.898 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 261383
Ion Ratio Lower Upper
43 100
58 41.0 33.0 49.4

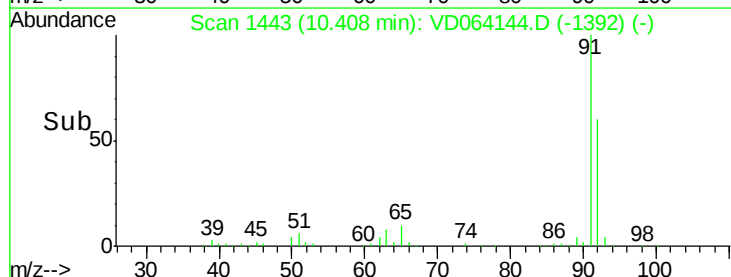
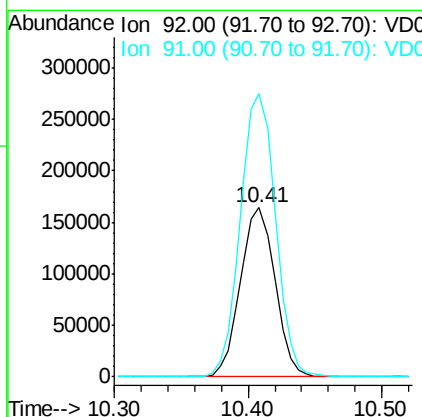
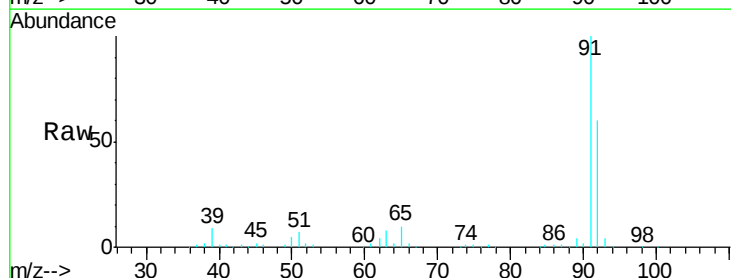
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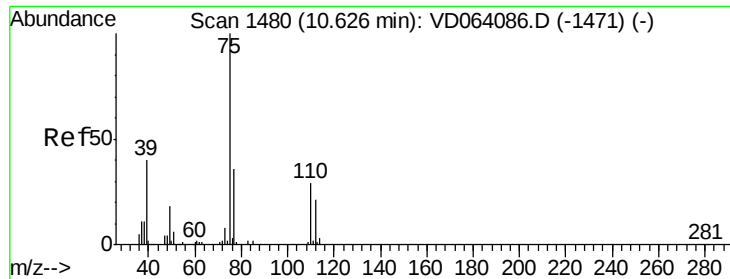
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#52
Toluene
Concen: 51.473 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion: 92 Resp: 295546
Ion Ratio Lower Upper
92 100
91 169.9 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 51.215 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 137923

Ion Ratio Lower Upper

75 100

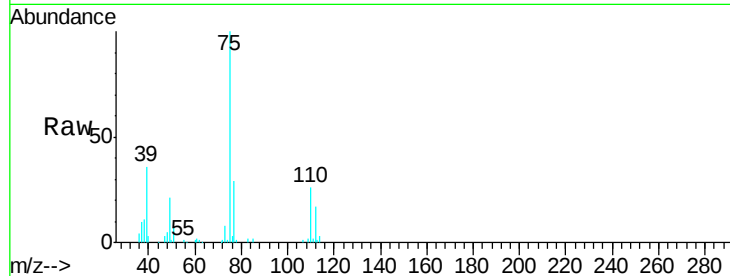
77 29.1 28.7 43.1

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Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

80000

60000

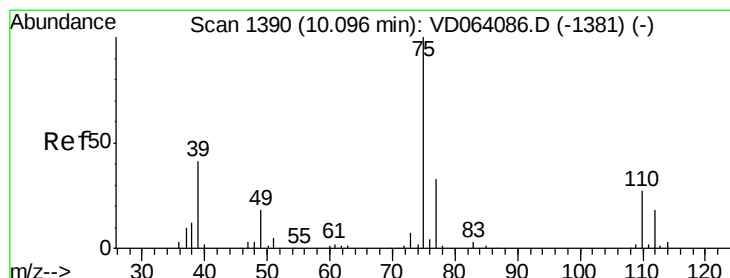
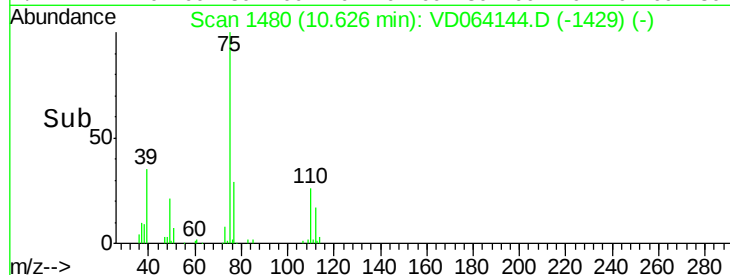
40000

20000

0

10.60 10.70

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.888 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

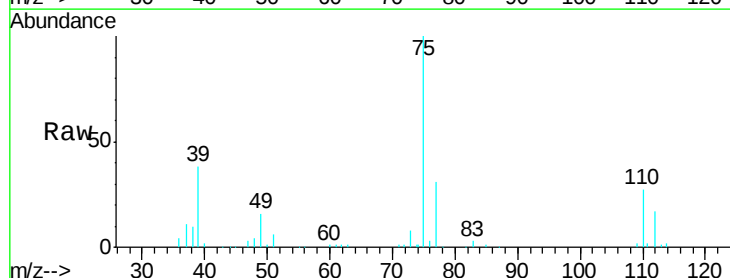
Tgt Ion: 75 Resp: 161230

Ion Ratio Lower Upper

75 100

77 31.1 26.8 40.2

39 38.0 32.7 49.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

120000

100000

80000

60000

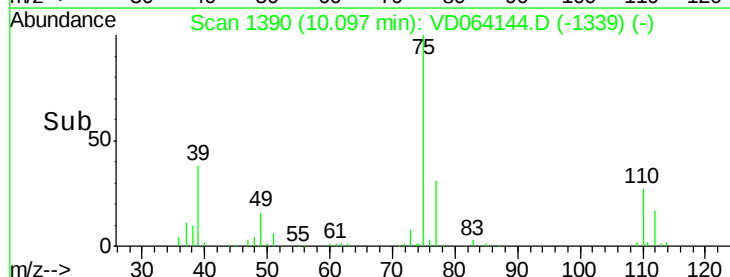
40000

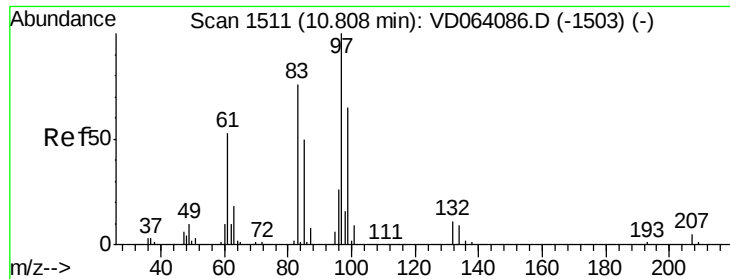
20000

0

10.00 10.10

Time-->





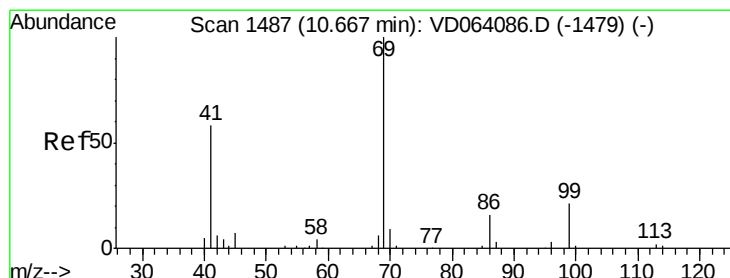
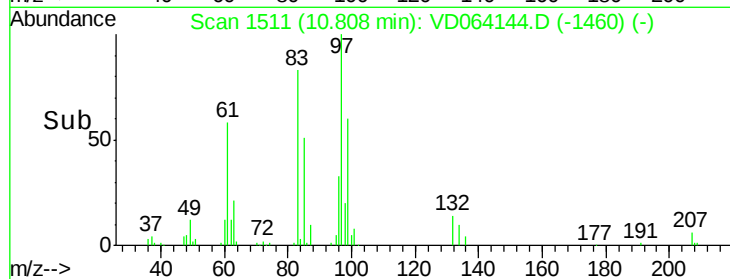
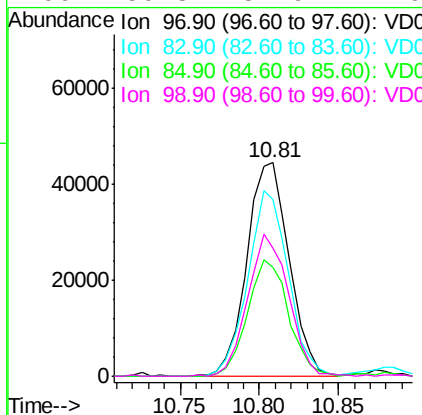
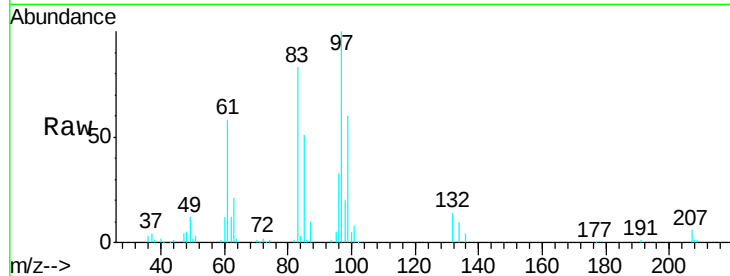
#55
 1,1,2-Trichloroethane
 Concen: 50.815 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.7	60.9	91.3
85	50.8	40.2	60.2
99	59.8	51.9	77.9

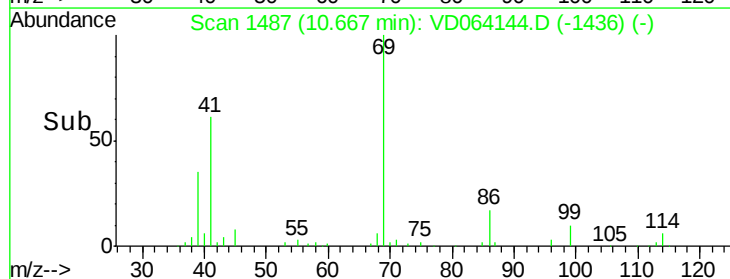
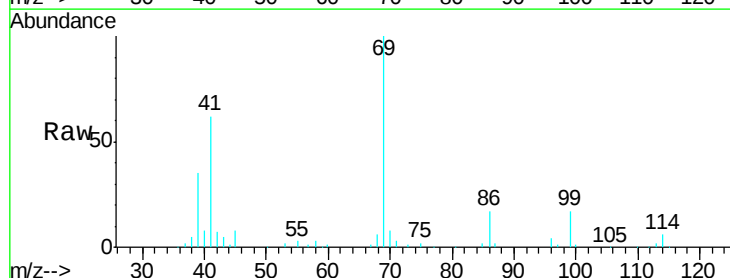
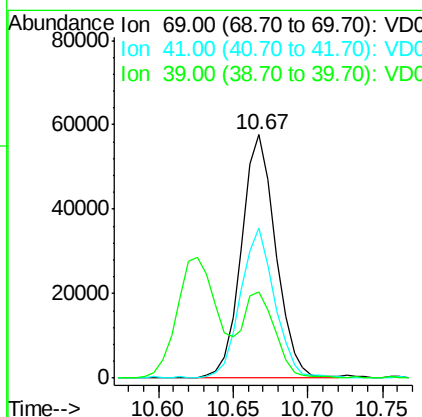
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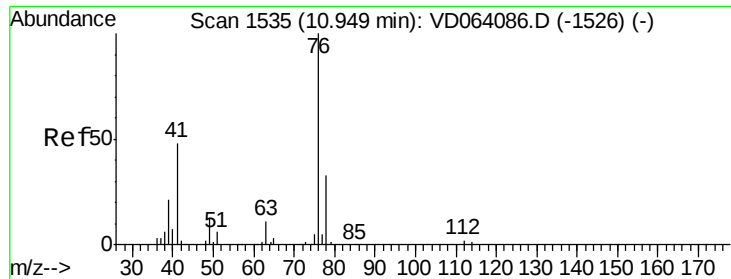
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#56
 Ethyl methacrylate
 Concen: 46.912 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.6	46.9	70.3
39	32.7	27.3	40.9





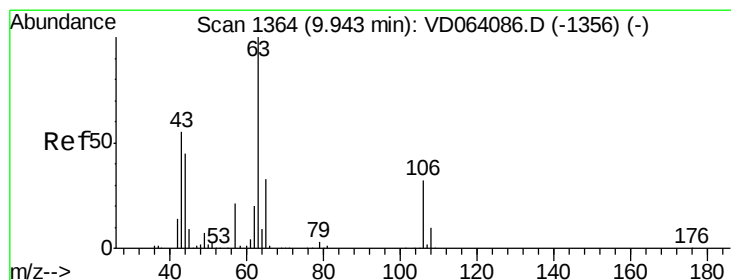
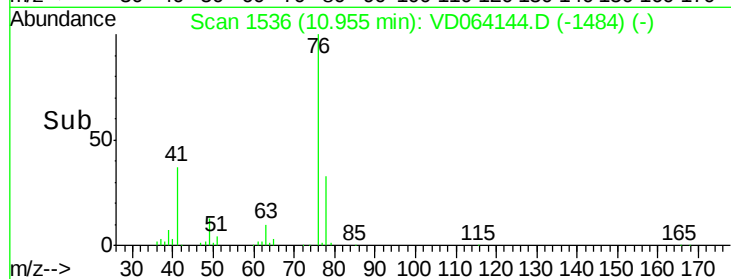
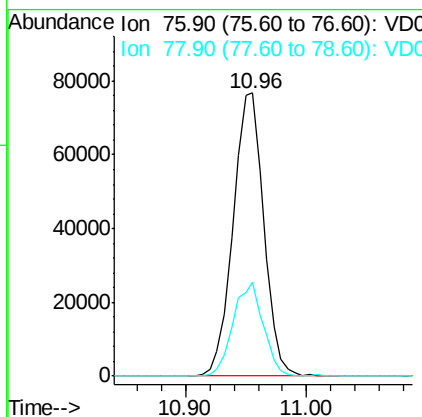
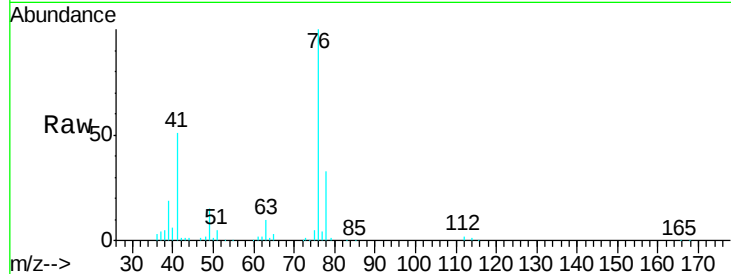
#57
 1,3-Dichloropropane
 Concen: 50.678 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 135890
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.9 38.9

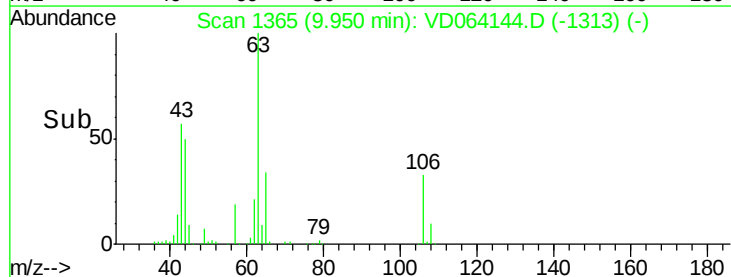
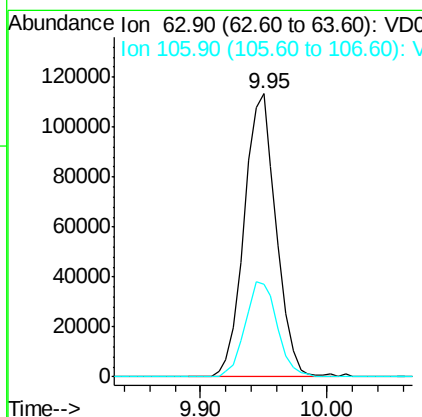
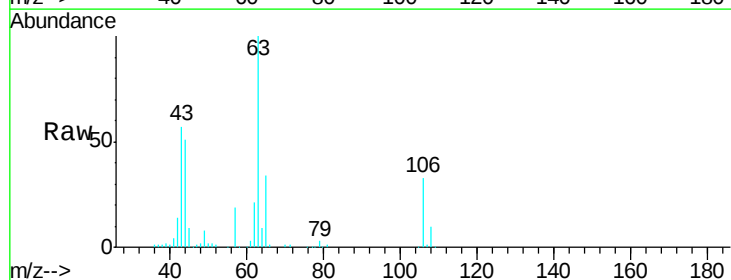
Manual Integrations
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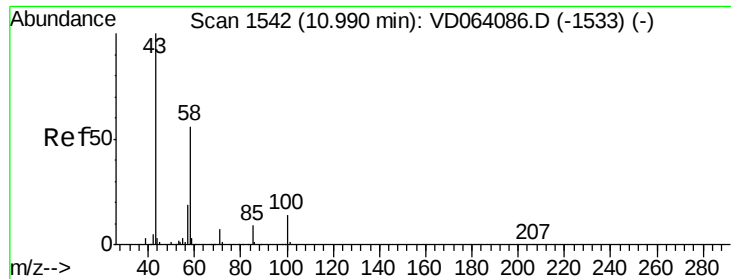
MMDadoda
 11/1/2019 12:07:19 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 279.745 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Tgt Ion: 63 Resp: 198708
 Ion Ratio Lower Upper
 63 100
 106 33.8 25.8 38.8





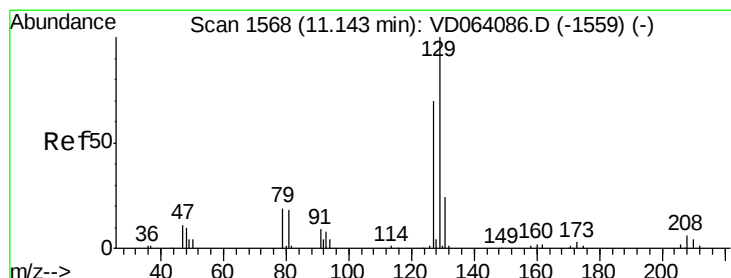
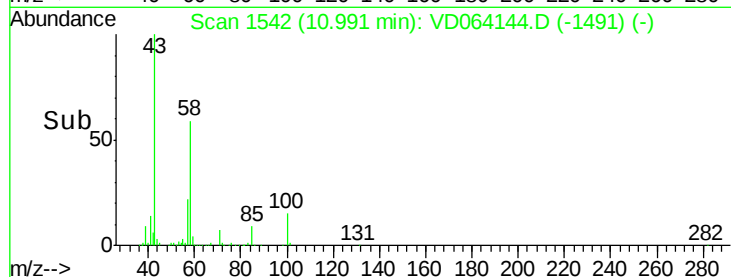
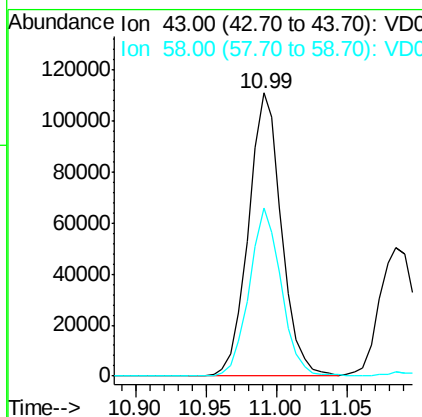
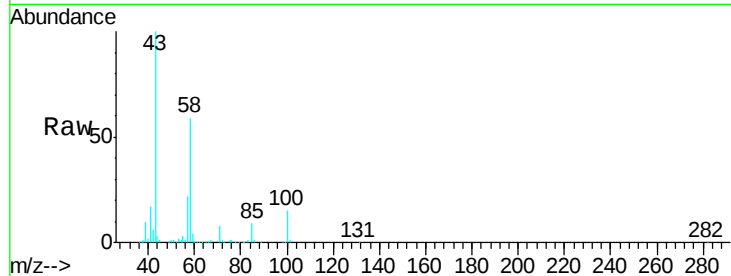
#59
2-Hexanone
Concen: 229.688 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 182588
Ion Ratio Lower Upper
43 100
58 57.8 29.2 87.6

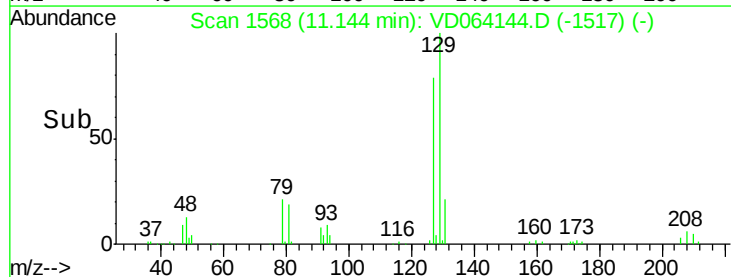
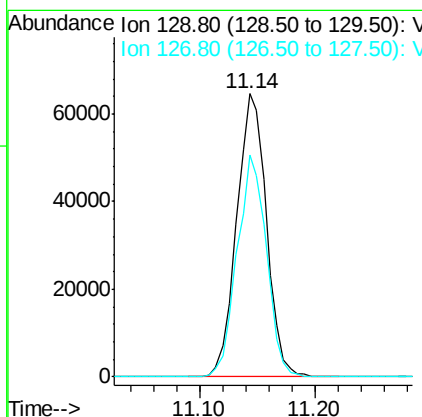
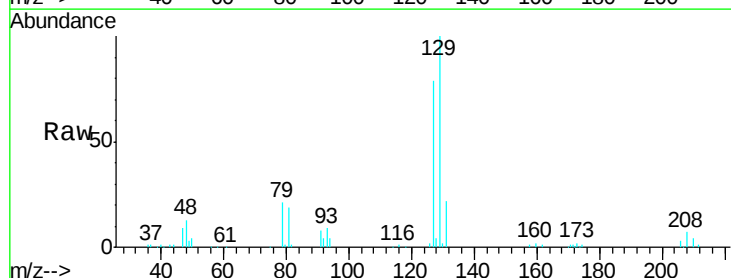
Manual Integrations
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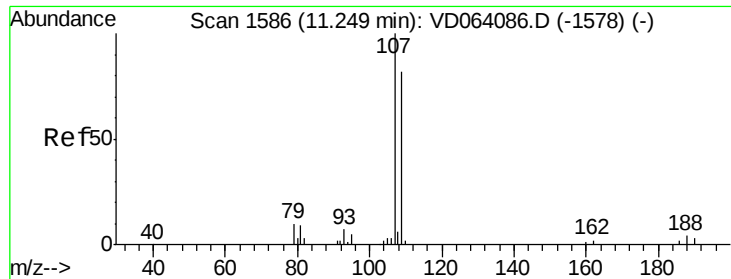
MMDadoda
11/1/2019 12:07:19 PM



#60
Dibromochloromethane
Concen: 52.345 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion: 129 Resp: 115191
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.8





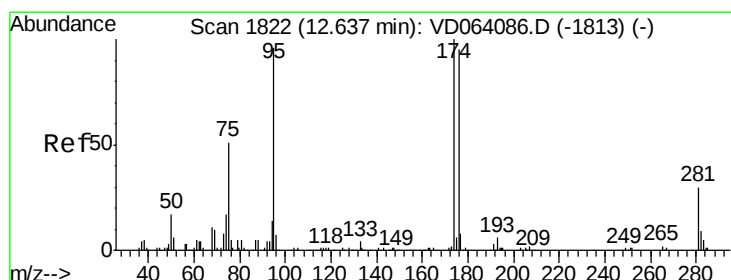
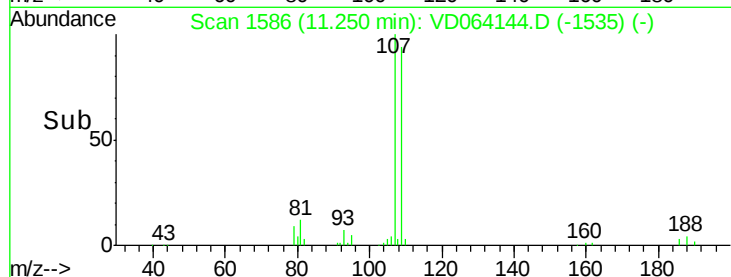
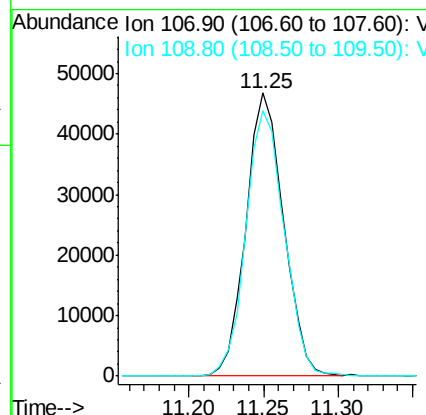
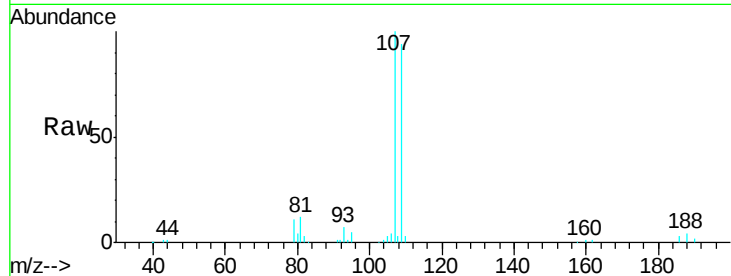
#61
1,2-Dibromoethane
Concen: 50.363 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 107 Resp: 81668
Ion Ratio Lower Upper
107 100
109 95.7 73.0 109.4

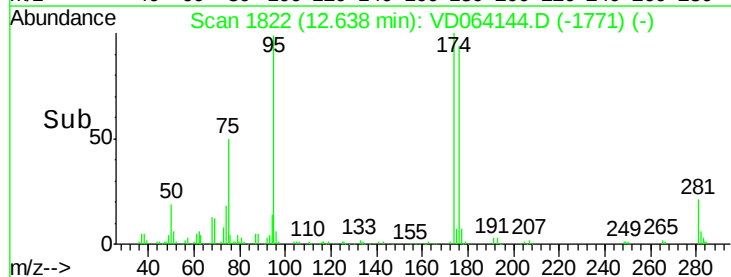
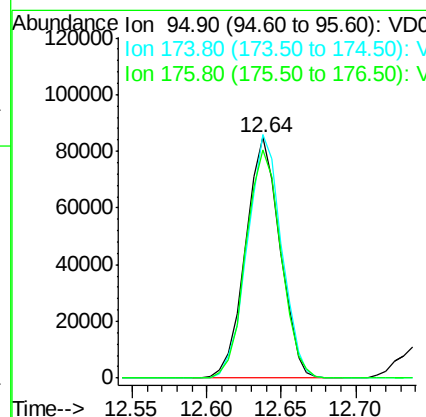
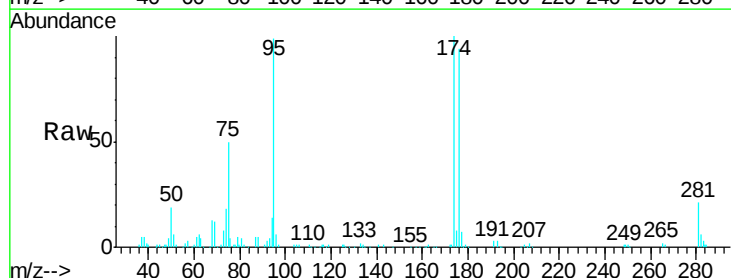
Manual Integrations
APPROVED

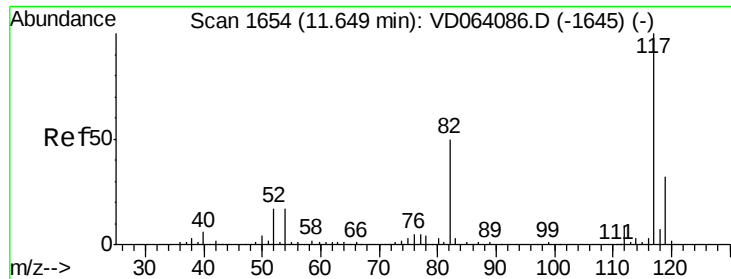
MMDadoda
11/1/2019 12:07:19 PM



#62
4-Bromofluorobenzene
Concen: 51.937 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion: 95 Resp: 135839
Ion Ratio Lower Upper
95 100
174 100.5 0.0 201.6
176 96.1 0.0 192.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

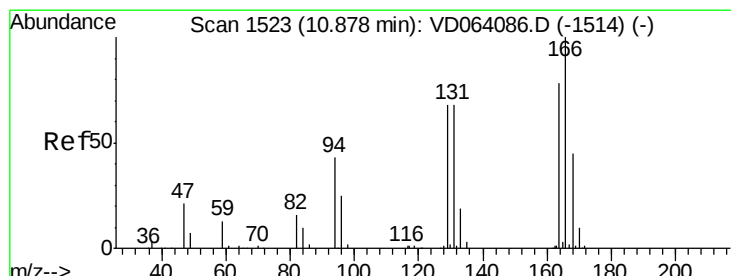
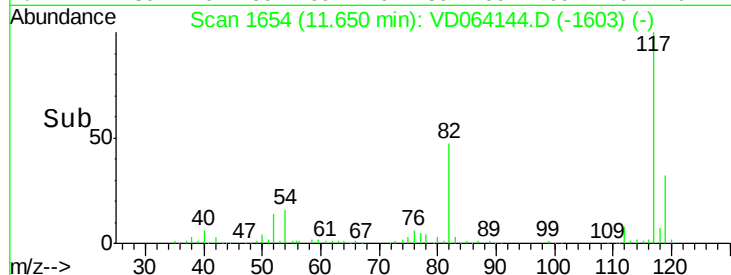
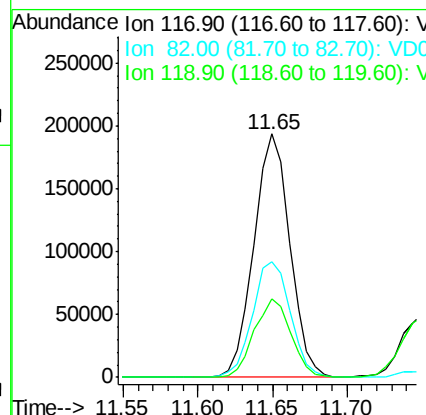
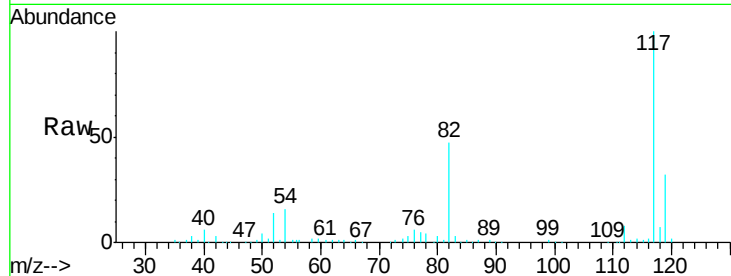
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	117	Resp:	321976
Ion	Ratio	Lower	Upper
117	100		
82	47.4	40.2	60.4
119	32.0	26.0	39.0

Manual Integrations
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#64

Tetrachloroethene

Concen: 50.442 ug/l

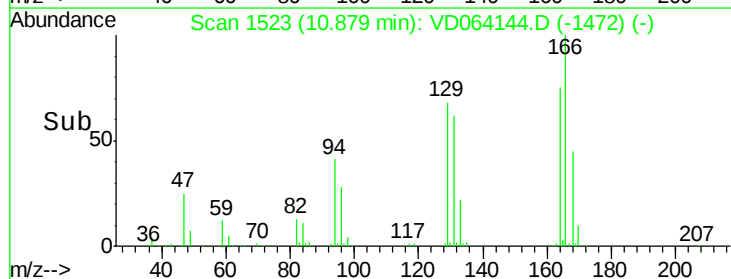
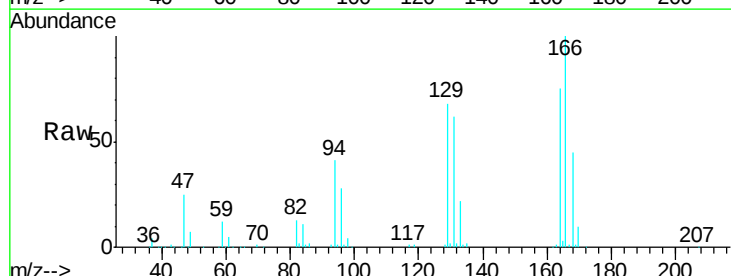
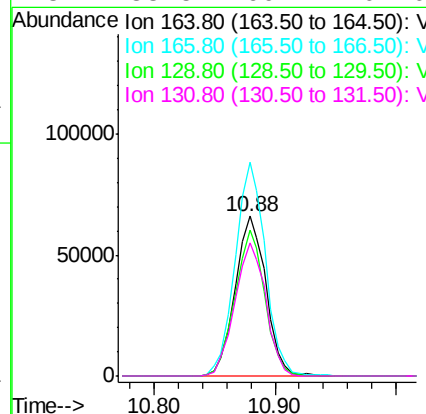
RT: 10.88 min Scan# 1523

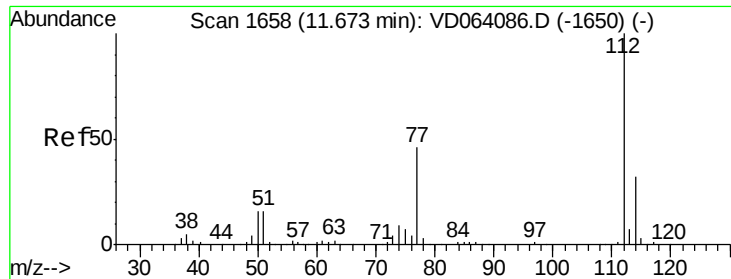
Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Tgt Ion:	164	Resp:	116676
Ion	Ratio	Lower	Upper
164	100		
166	133.6	102.7	154.1
129	91.5	69.8	104.6
131	83.5	69.4	104.0





#65

Chlorobenzene

Concen: 51.476 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 342455

Ion Ratio Lower Upper

112 100

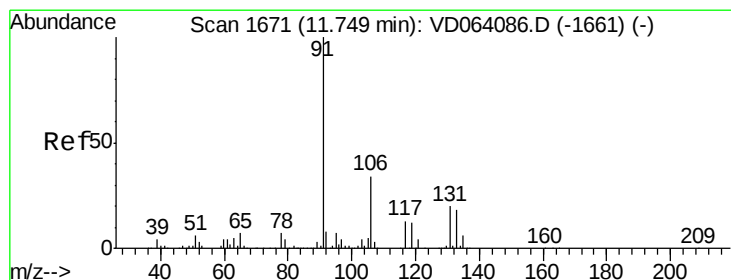
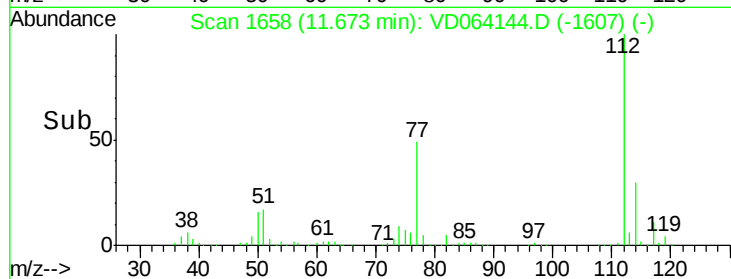
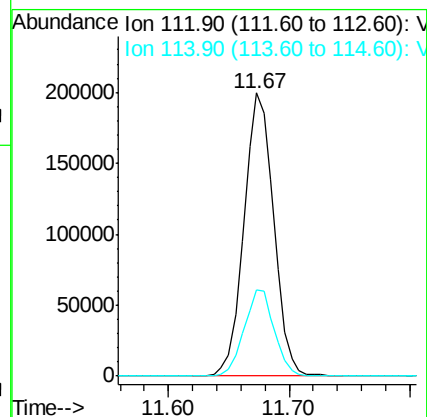
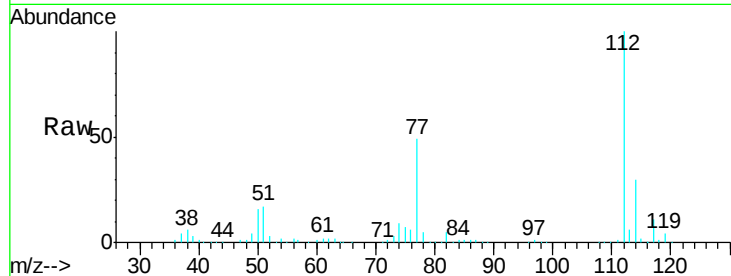
114 30.5 25.4 38.0

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 50.445 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

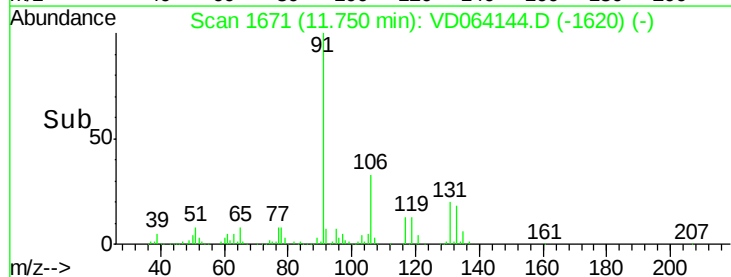
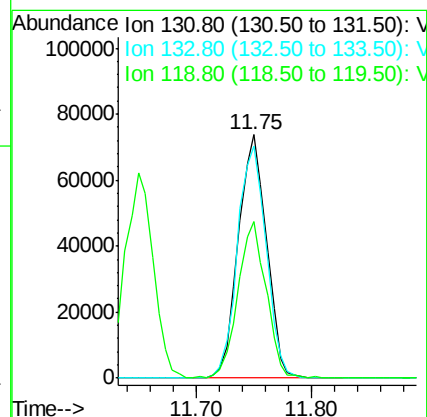
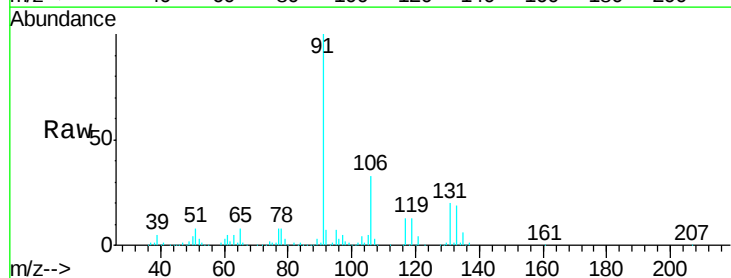
Tgt Ion:131 Resp: 125574

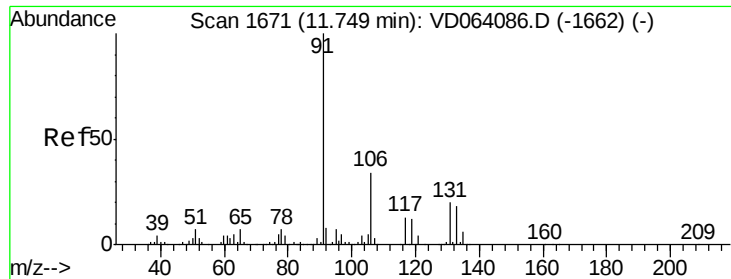
Ion Ratio Lower Upper

131 100

133 96.6 47.6 142.9

119 64.3 31.4 94.3





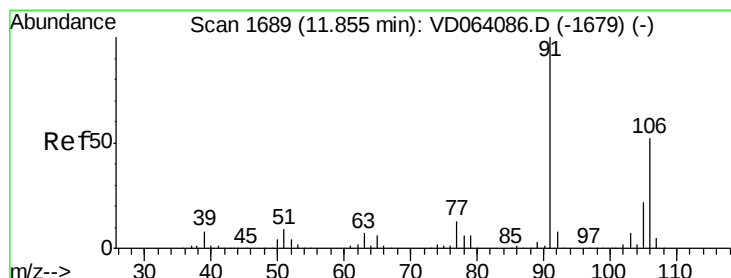
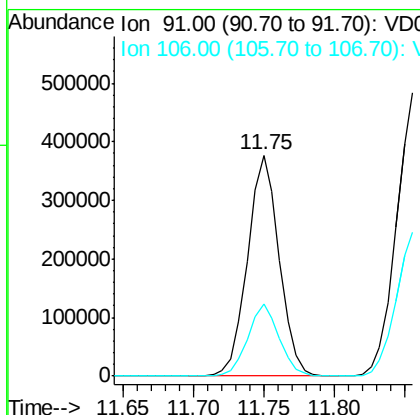
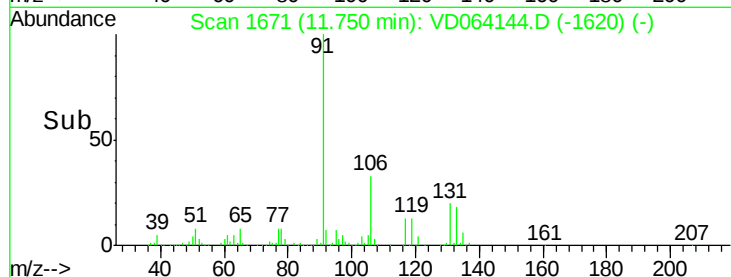
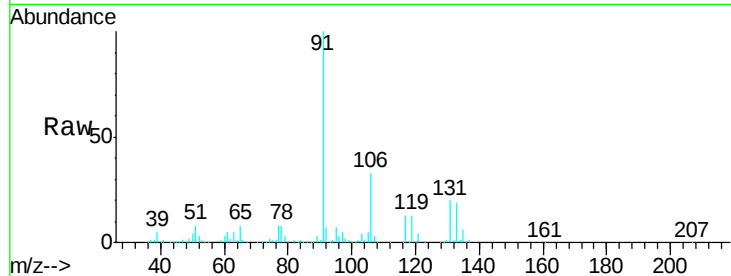
#67
Ethyl Benzene
Concen: 50.097 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 592795
Ion Ratio Lower Upper
91 100
106 32.8 27.0 40.6

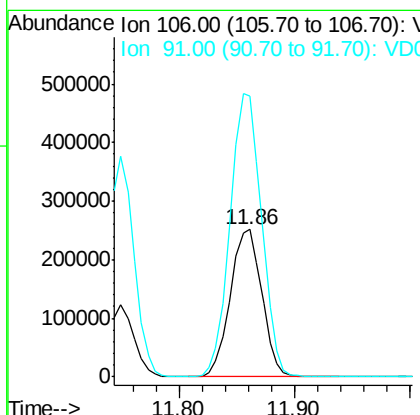
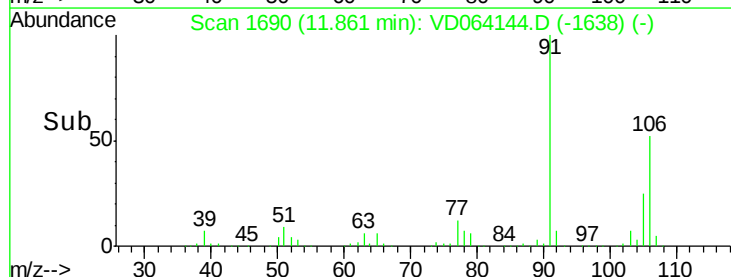
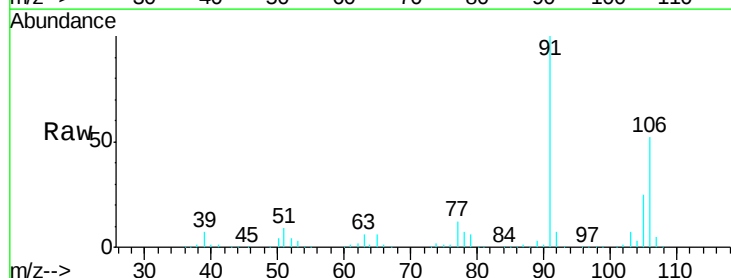
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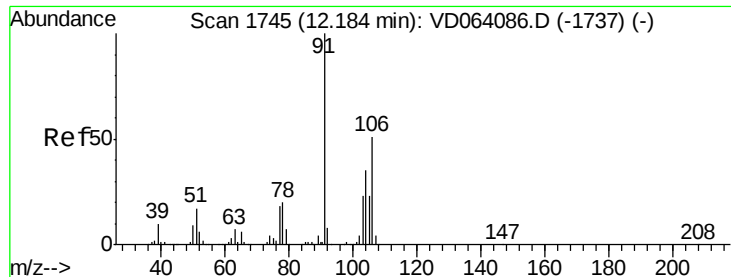
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#68
m/p-Xylenes
Concen: 100.192 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion: 106 Resp: 476869
Ion Ratio Lower Upper
106 100
91 191.8 154.0 231.0





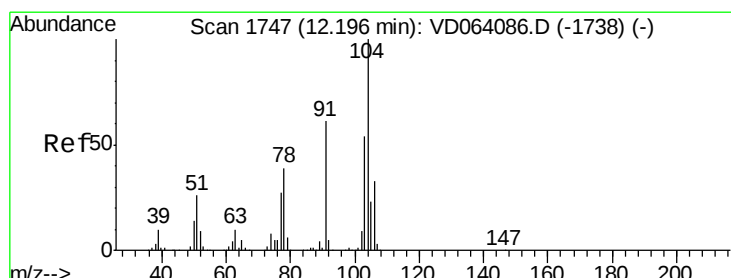
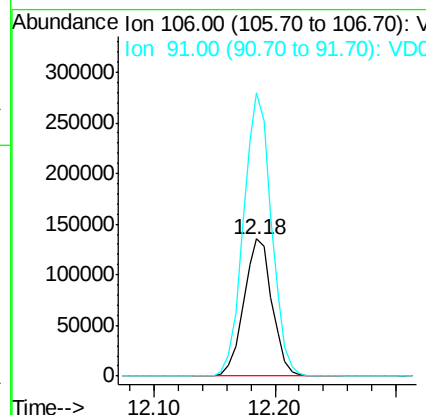
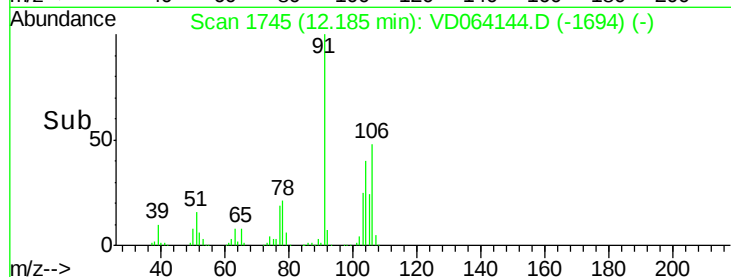
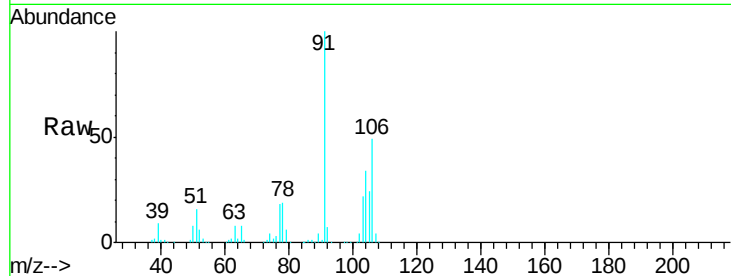
#69
o-Xylene
Concen: 50.830 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 220789
Ion Ratio Lower Upper
106 100
91 204.6 100.6 301.9

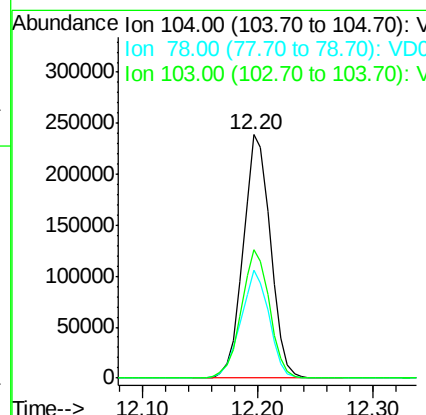
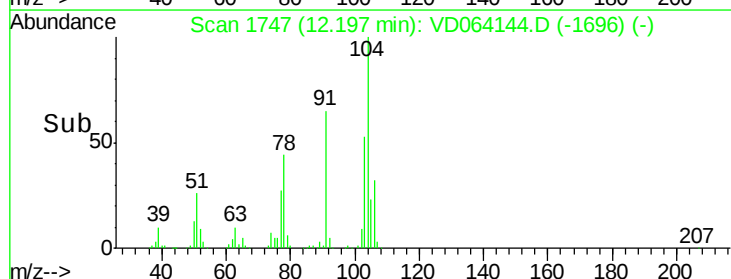
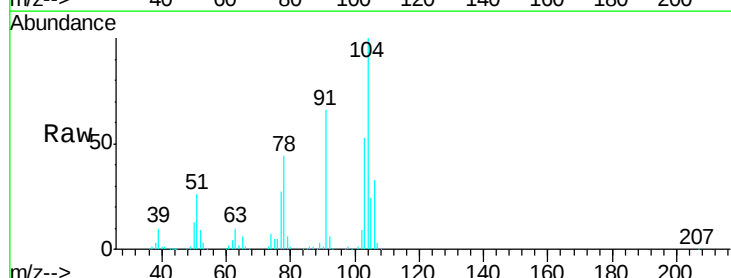
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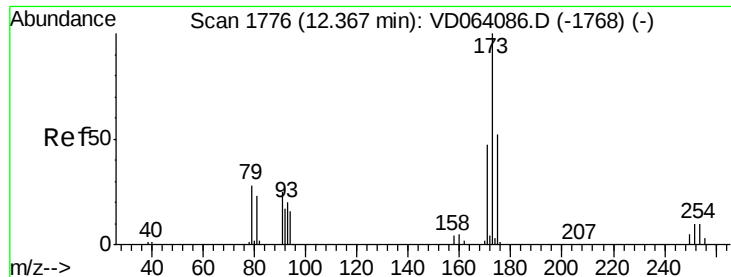
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#70
Styrene
Concen: 52.153 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion:104 Resp: 390704
Ion Ratio Lower Upper
104 100
78 45.7 34.6 51.8
103 54.7 44.2 66.2





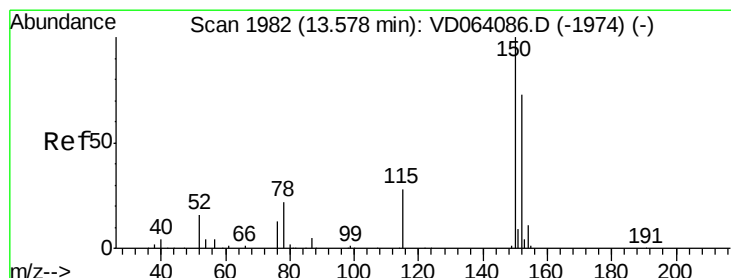
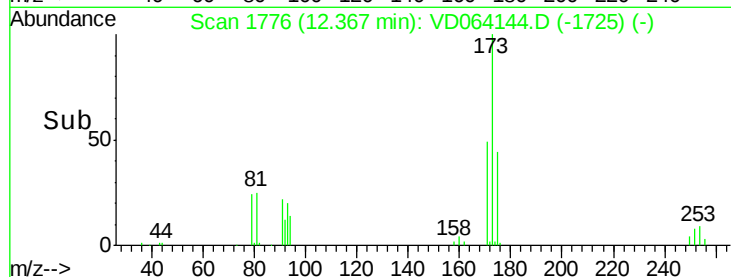
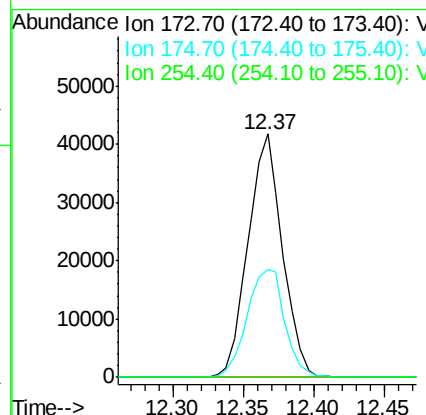
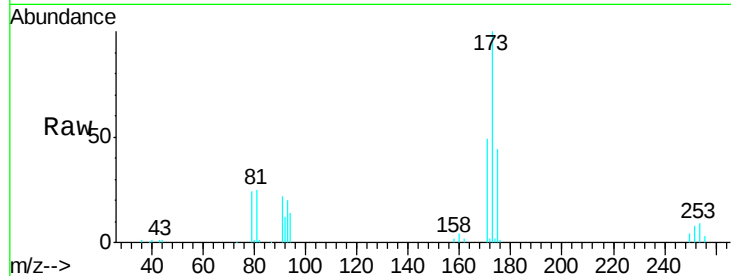
#71
Bromoform
Concen: 53.321 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.9
254	0.0	0.0	0.0

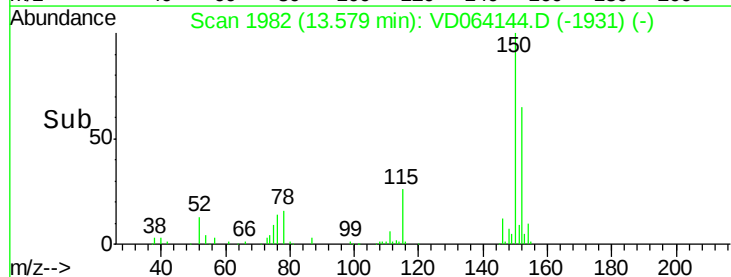
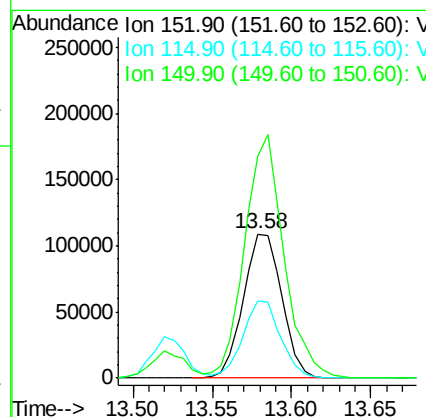
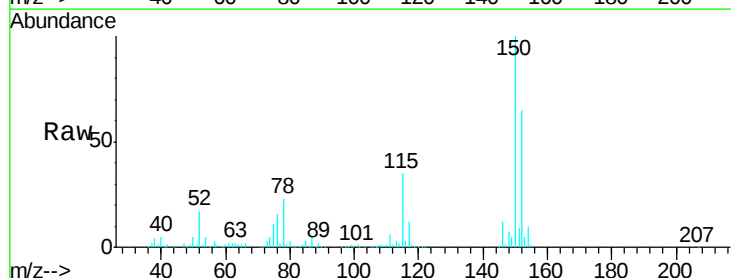
Manual Integrations
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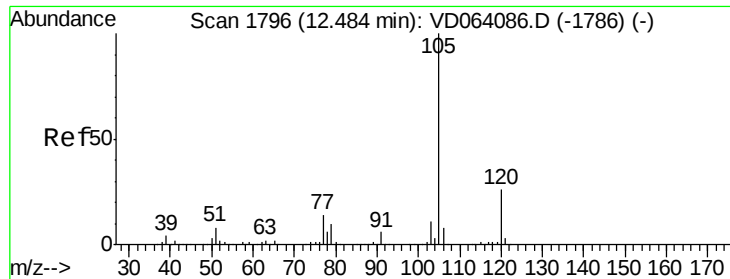
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.8	26.2	78.6
150	171.8	0.0	338.8





#73

Isopropylbenzene

Concen: 46.437 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 592574

Ion Ratio Lower Upper

105 100

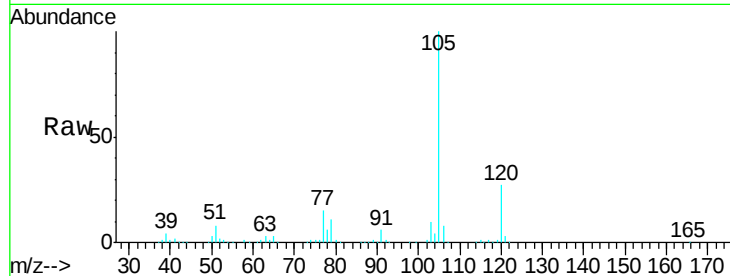
120 27.4 13.3 39.9

Manual Integrations

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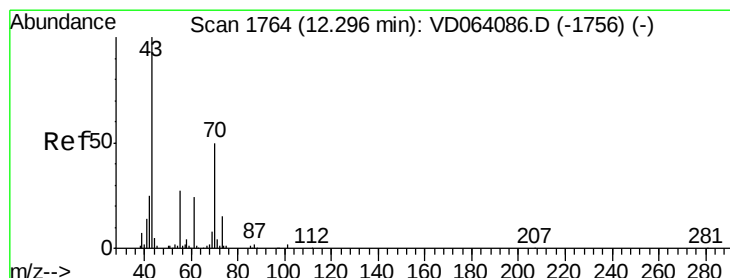
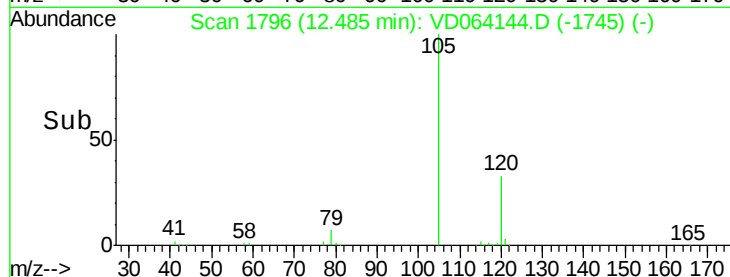
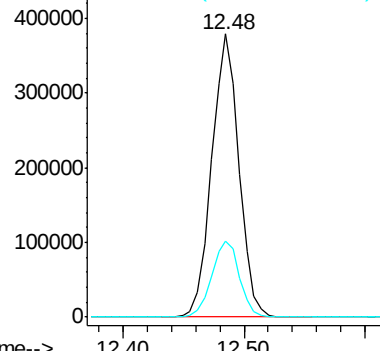
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.683 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Tgt Ion: 43 Resp: 103207

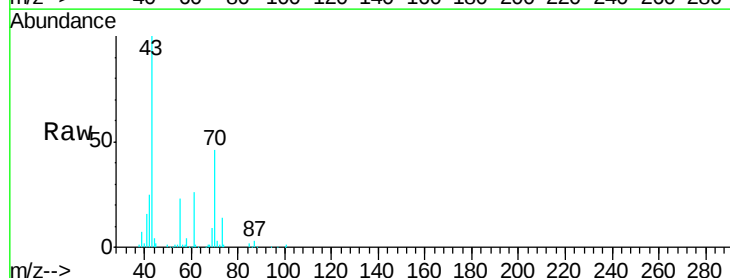
Ion Ratio Lower Upper

43 100

70 49.0 38.6 58.0

55 26.9 20.4 30.6

61 25.9 20.8 31.2

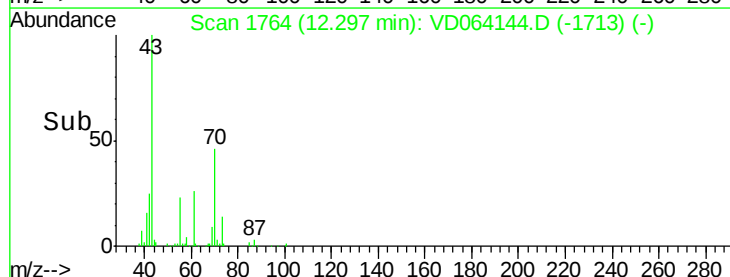
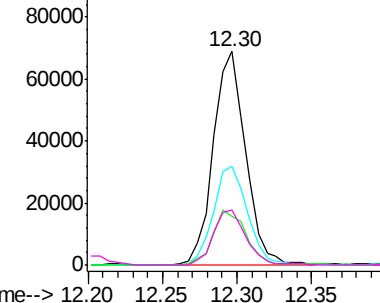


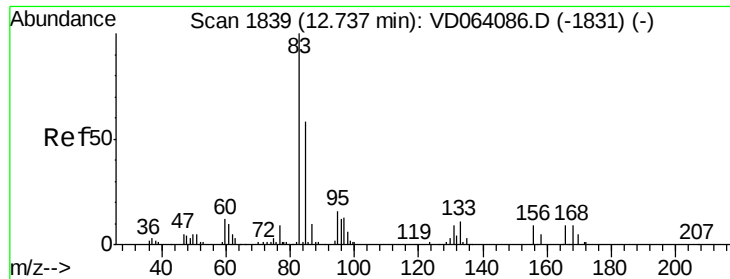
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 47.865 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

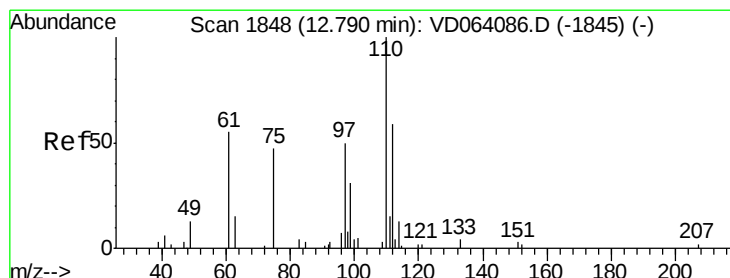
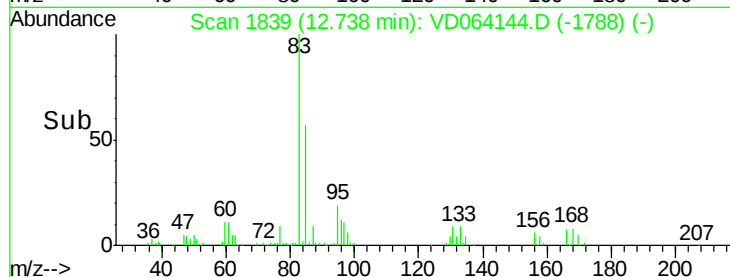
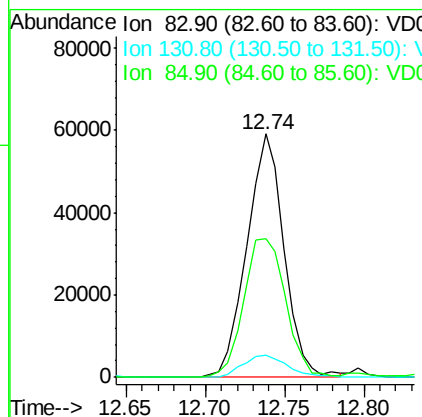
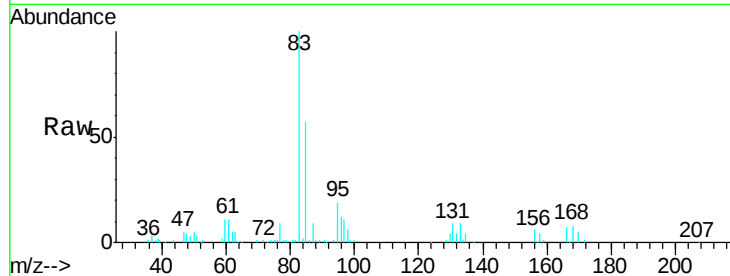
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	96275
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.7	17.0
85	64.3	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.830 ug/l m

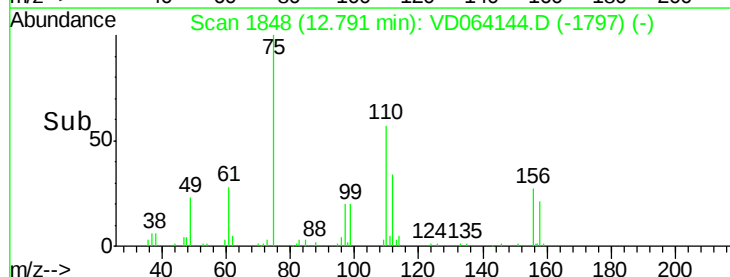
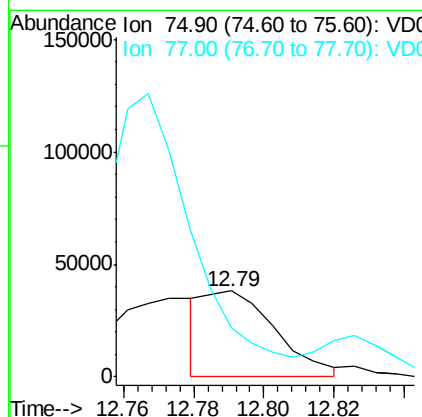
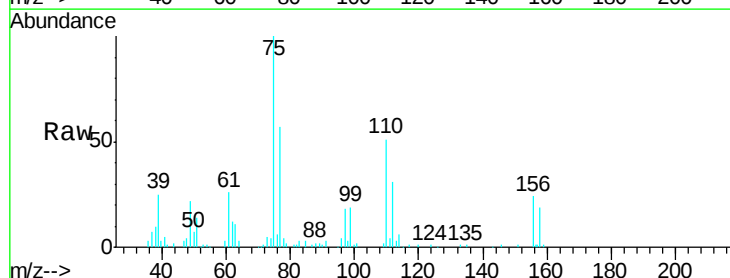
RT: 12.79 min Scan# 1848

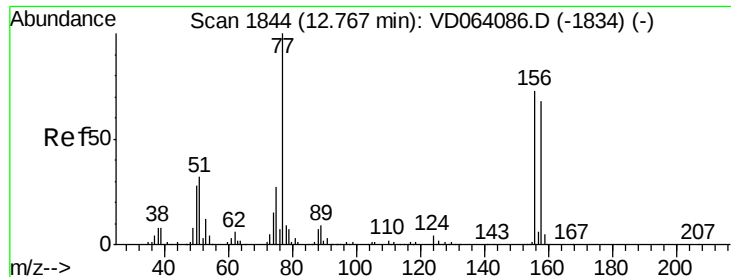
Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Tgt Ion:	75	Resp:	54083
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.243 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

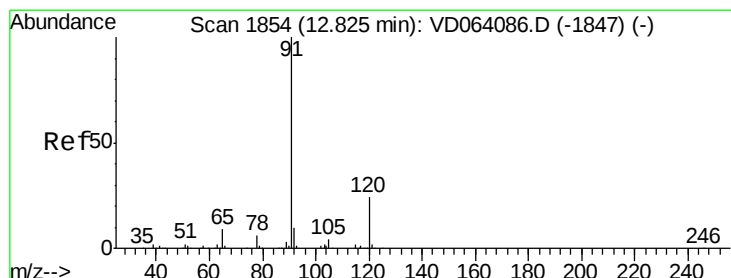
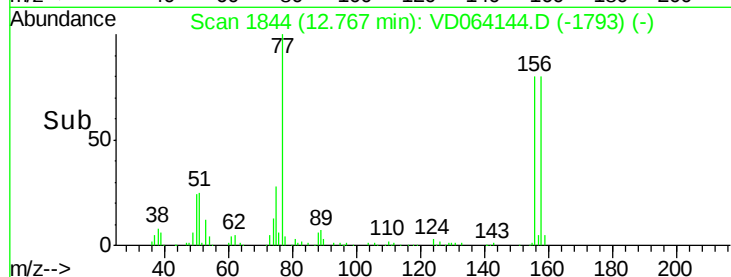
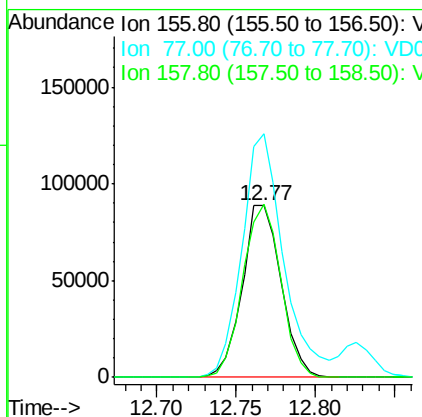
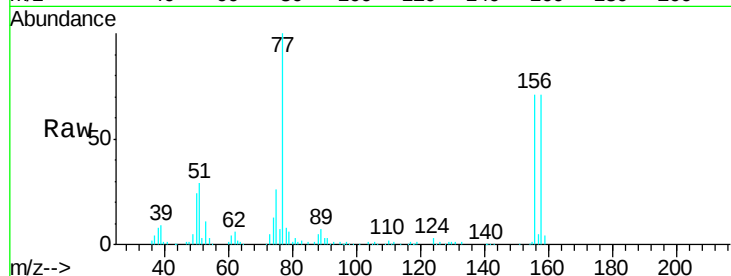
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	151721
Ion Ratio	Lower	Upper	
156	100		
77	151.5	76.0	228.0
158	98.2	47.6	142.8

Manual Integrations
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#78

n-propylbenzene

Concen: 47.216 ug/l

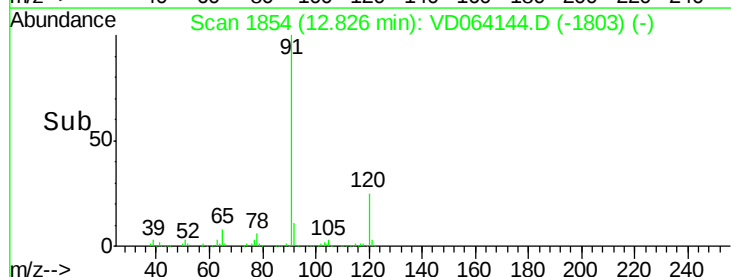
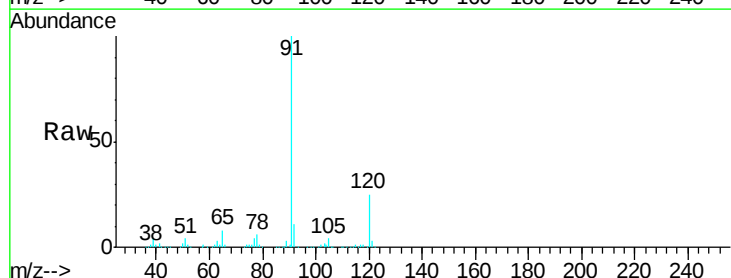
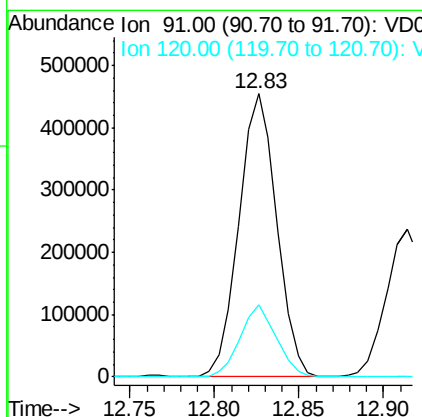
RT: 12.83 min Scan# 1854

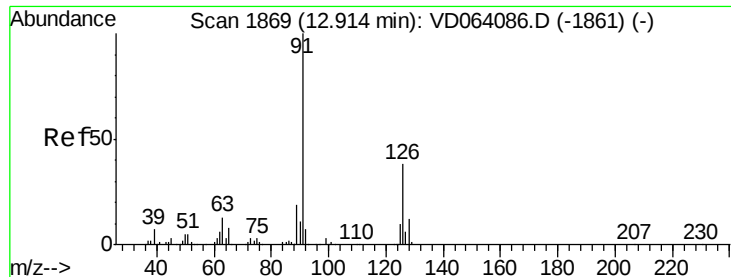
Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Tgt Ion:	91	Resp:	706086
Ion Ratio	Lower	Upper	
91	100		
120	24.5	12.1	36.3





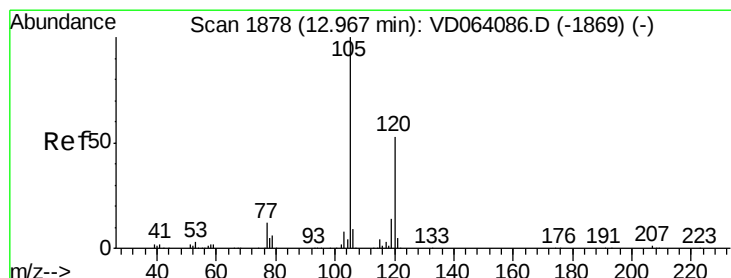
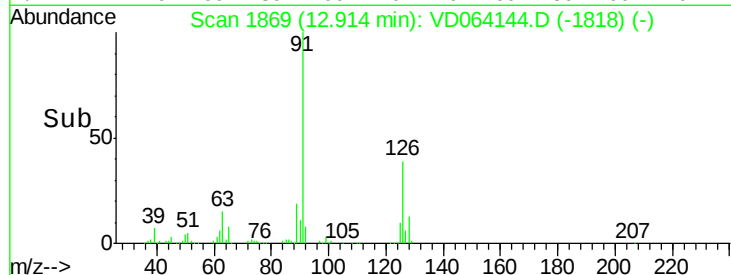
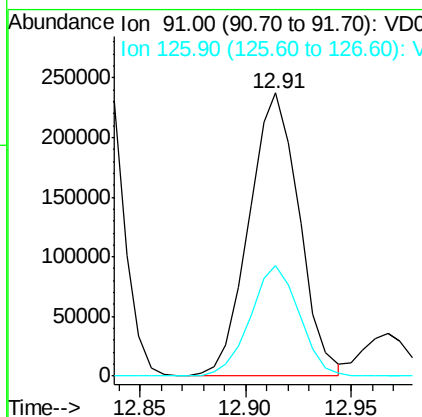
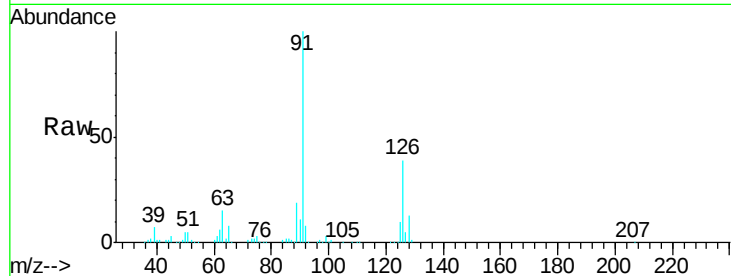
#79
 2-Chlorotoluene
 Concen: 48.724 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 91 Resp: 390588
 Ion Ratio Lower Upper
 91 100
 126 38.4 19.1 57.1

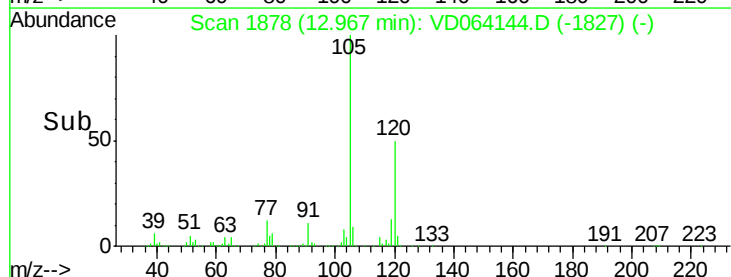
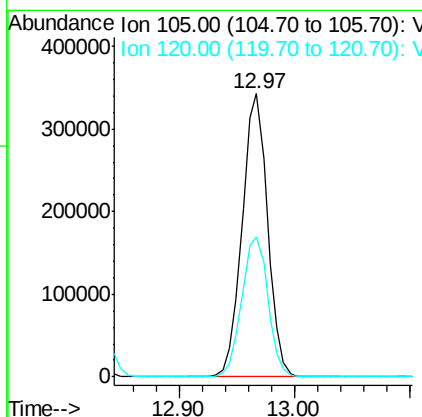
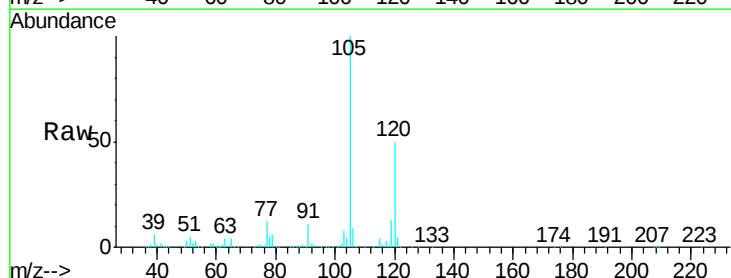
Manual Integrations
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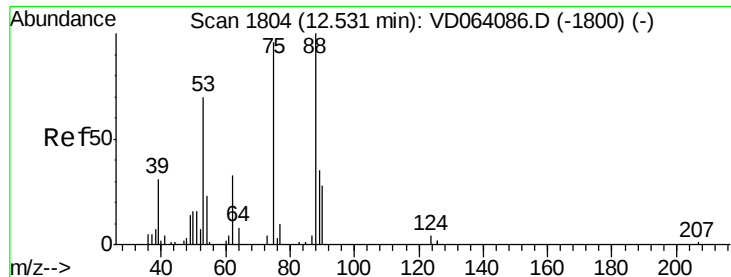
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.969 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Tgt Ion: 105 Resp: 522980
 Ion Ratio Lower Upper
 105 100
 120 51.2 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 45.860 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

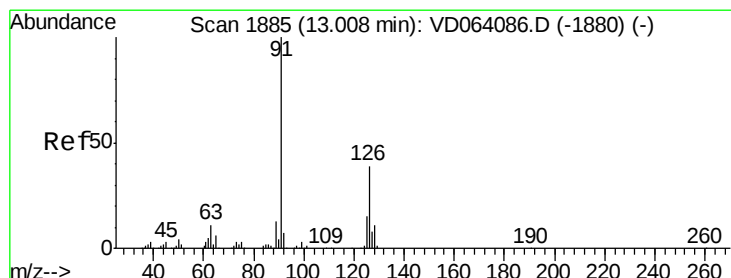
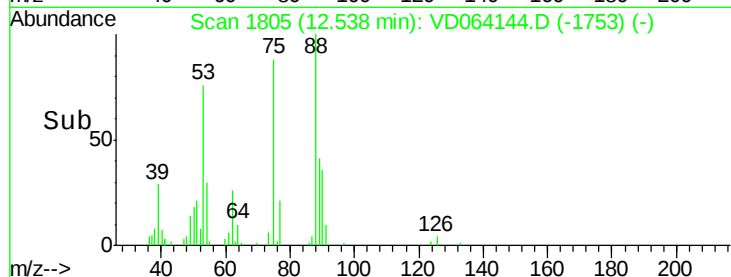
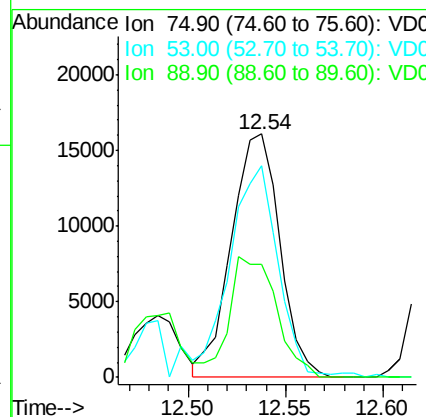
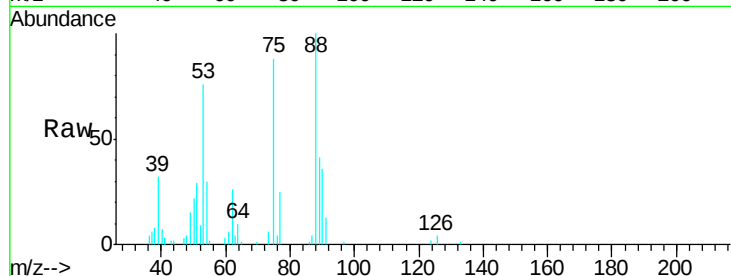
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	75	Resp:	27709
Ion	Ratio	Lower	Upper
75	100		
53	86.8	68.6	103.0
89	48.8	36.9	55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.465 ug/l

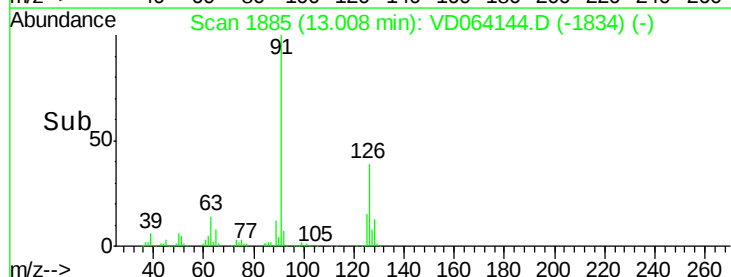
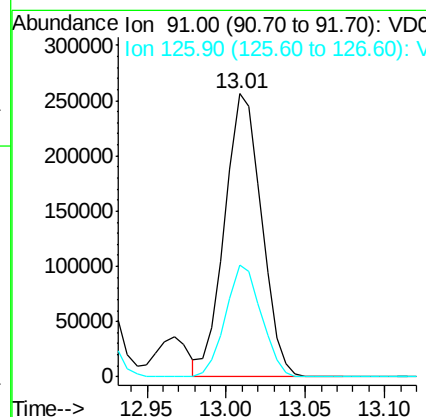
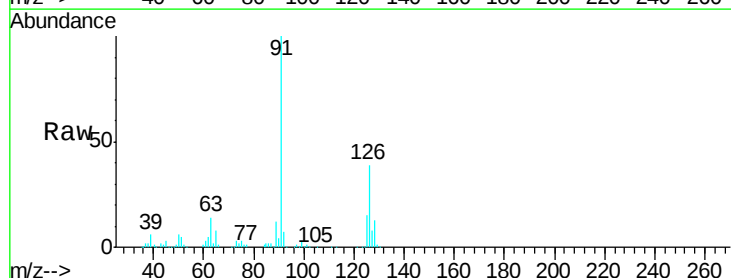
RT: 13.01 min Scan# 1885

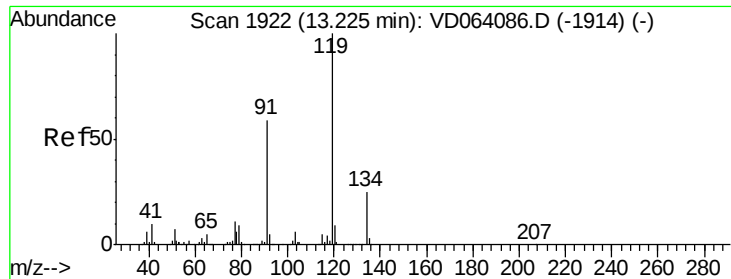
Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Tgt Ion:	91	Resp:	415129
Ion	Ratio	Lower	Upper
91	100		
126	38.3	18.9	56.5





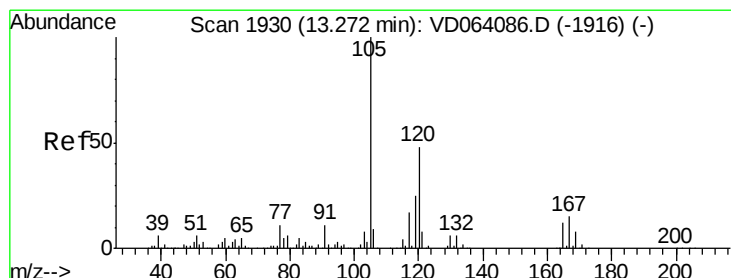
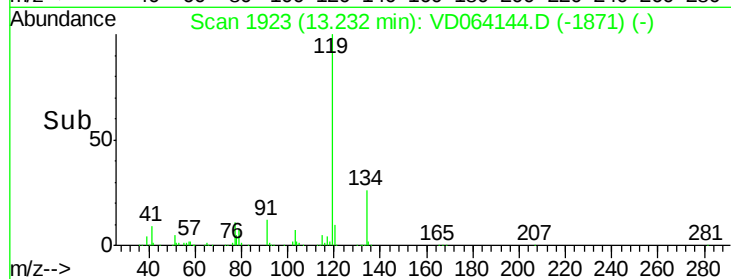
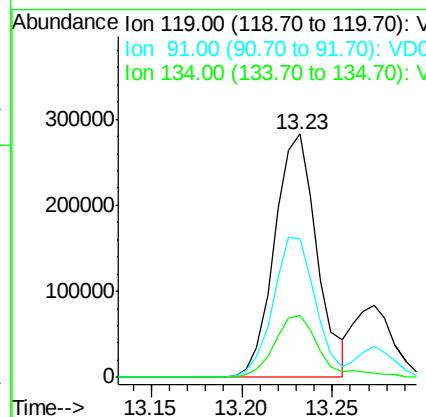
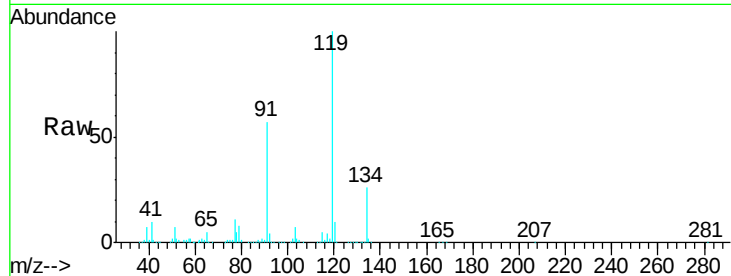
#83
 tert-Butylbenzene
 Concen: 48.008 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
119	100		
91	57.9	28.3	85.0
134	27.4	12.9	38.6

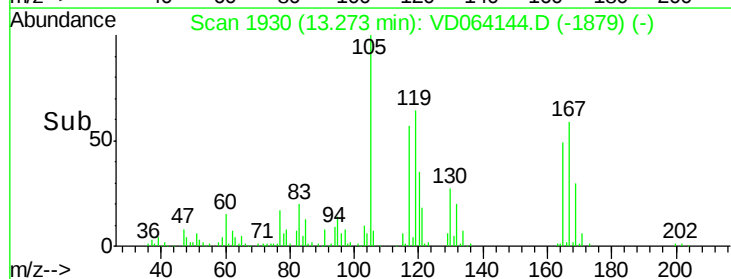
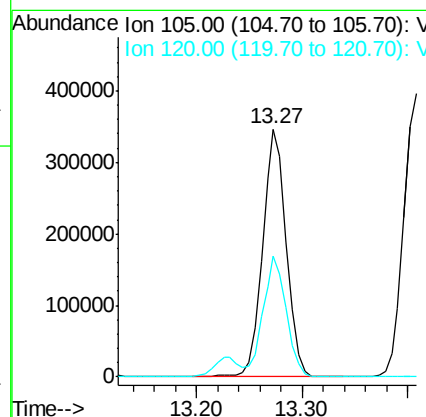
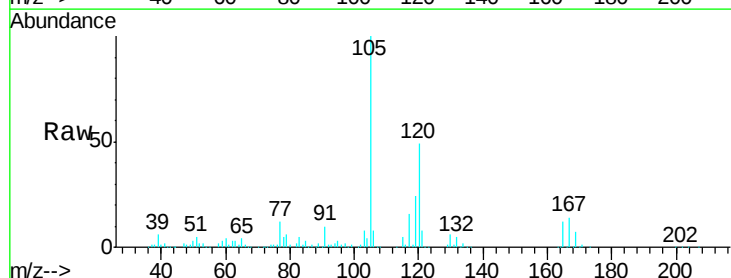
Manual Integrations
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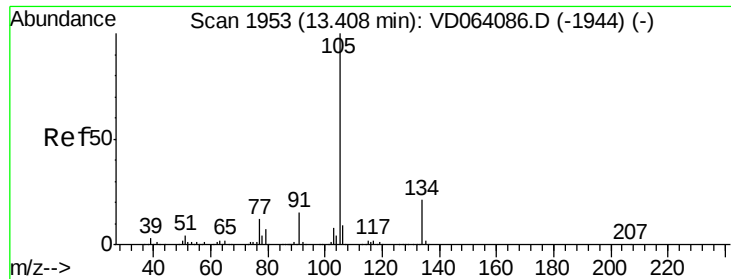
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.289 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.2	24.1	72.4





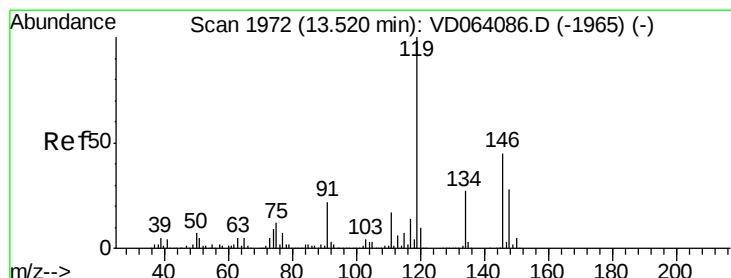
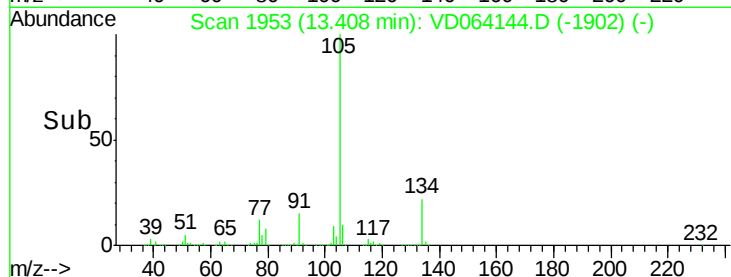
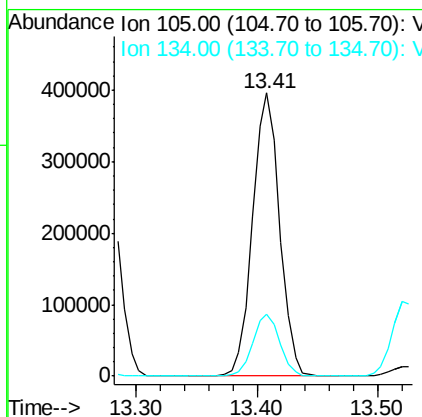
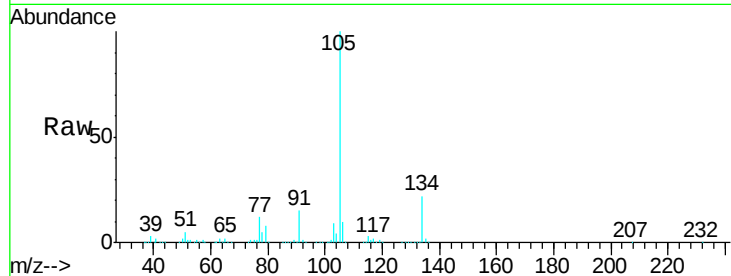
#85
 sec-Butylbenzene
 Concen: 46.666 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 614735
 Ion Ratio Lower Upper
 105 100
 134 21.8 10.4 31.2

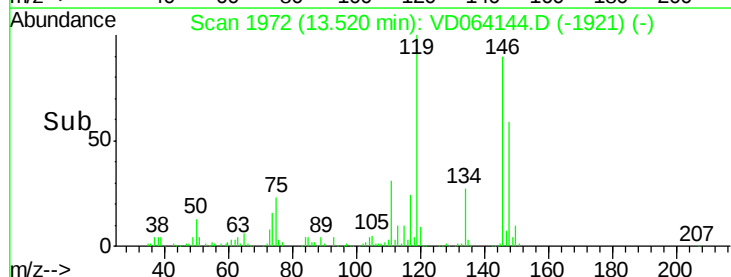
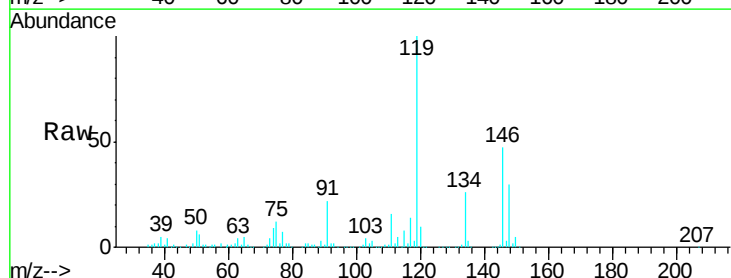
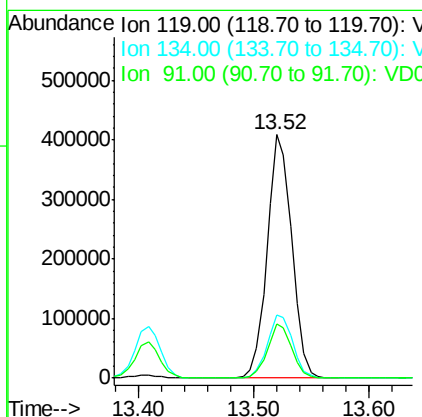
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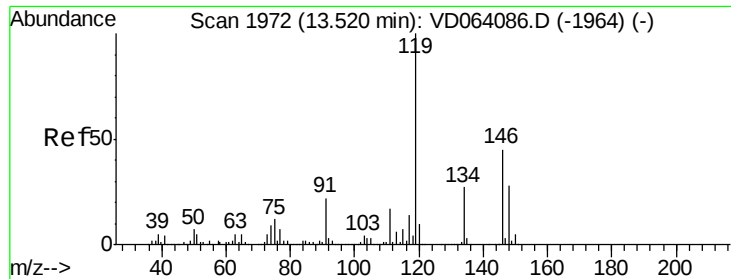
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#86
 p-Isopropyltoluene
 Concen: 49.041 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Tgt Ion:119 Resp: 606988
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.6 40.8
 91 21.9 10.9 32.6





#87

1,3-Dichlorobenzene

Concen: 50.618 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

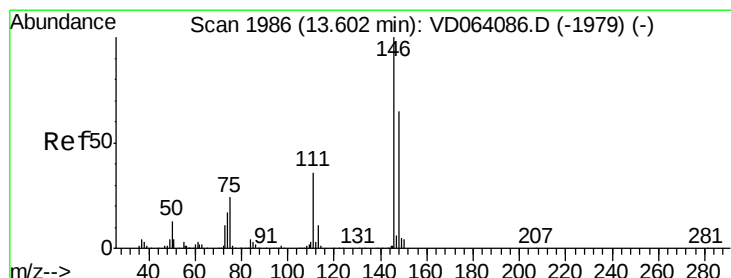
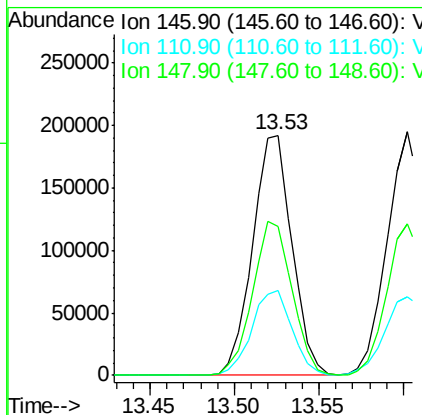
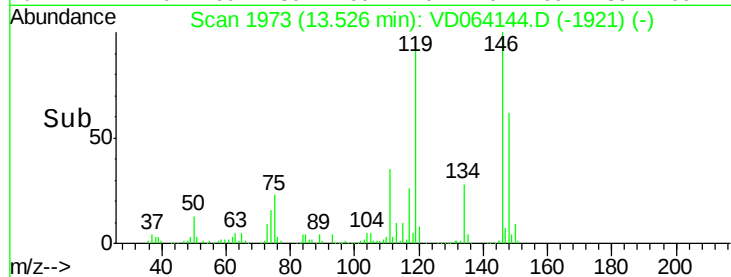
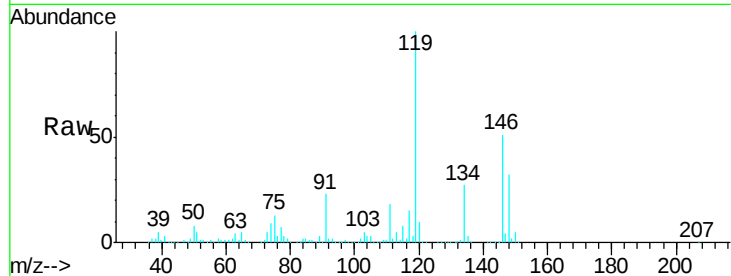
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	312536
Ion Ratio	Lower	Upper	
146	100		
111	36.1	18.9	56.9
148	64.3	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.622 ug/l

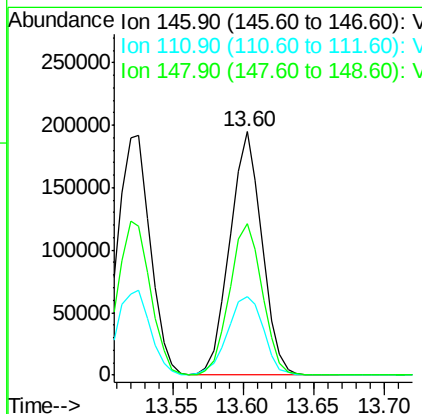
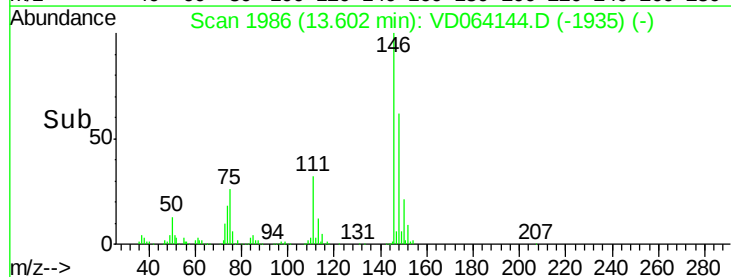
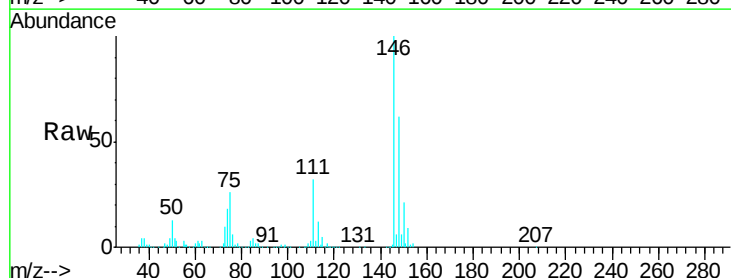
RT: 13.60 min Scan# 1986

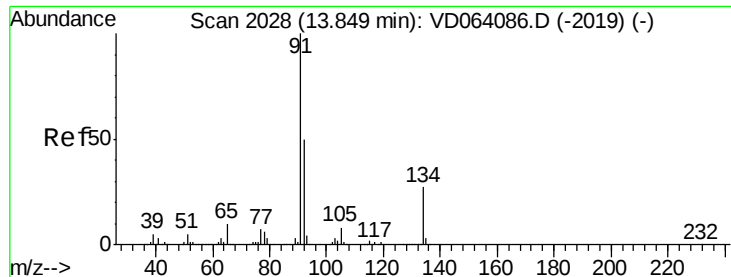
Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Tgt Ion:	146	Resp:	308114
Ion Ratio	Lower	Upper	
146	100		
111	36.3	18.4	55.4
148	63.7	32.4	97.0





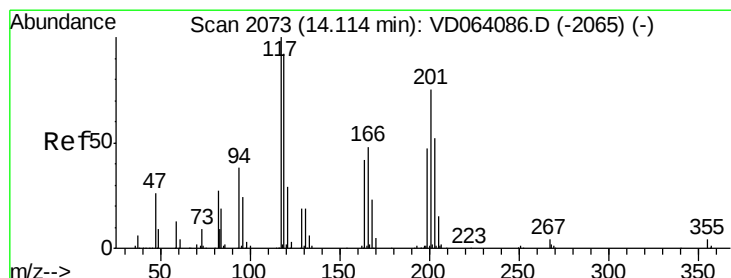
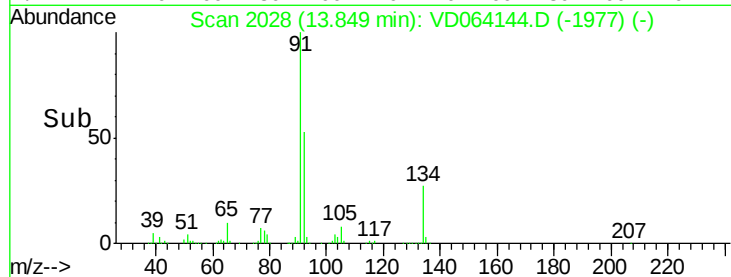
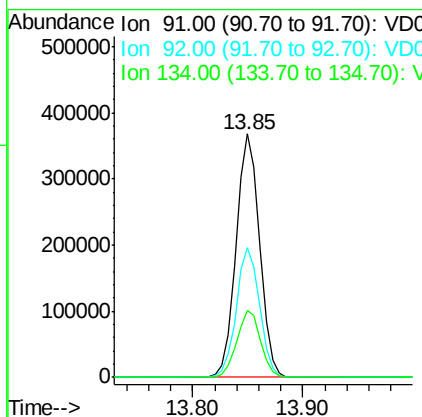
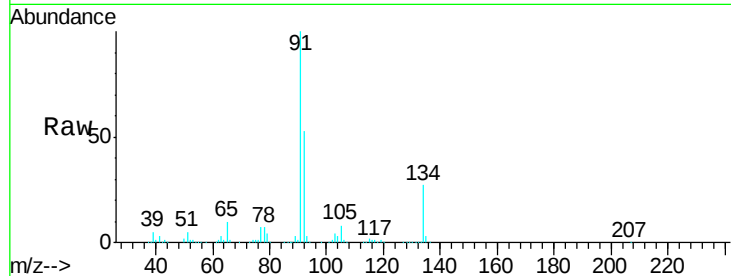
#89
n-Butylbenzene
Concen: 48.042 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	25.6	76.6
134	27.8	14.0	42.0

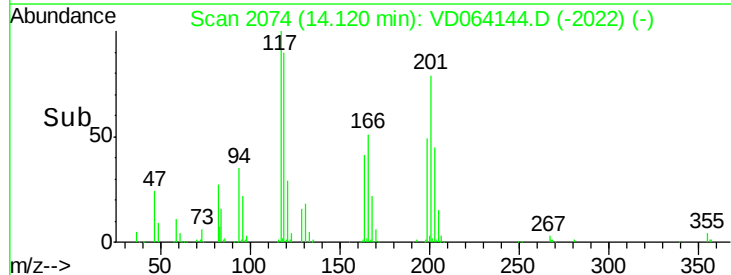
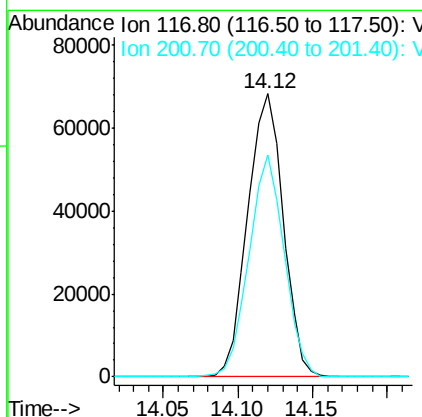
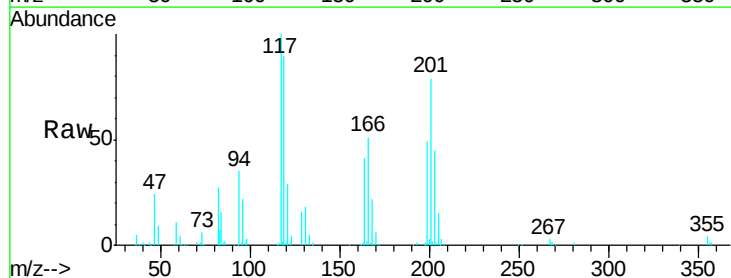
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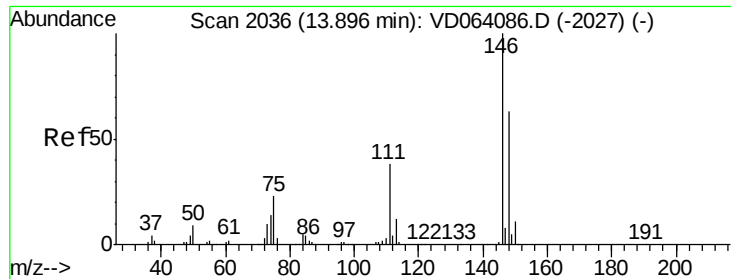
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#90
Hexachloroethane
Concen: 48.604 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.7	38.4	115.2





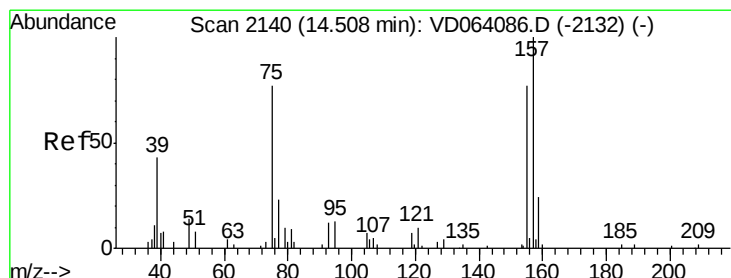
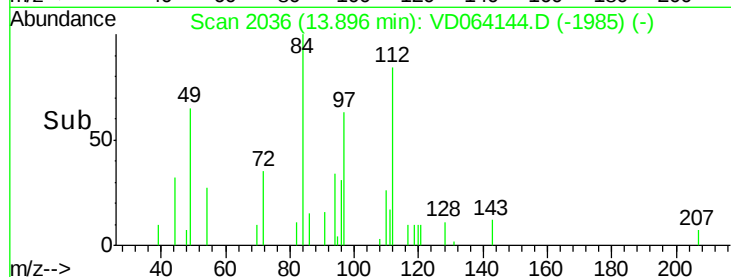
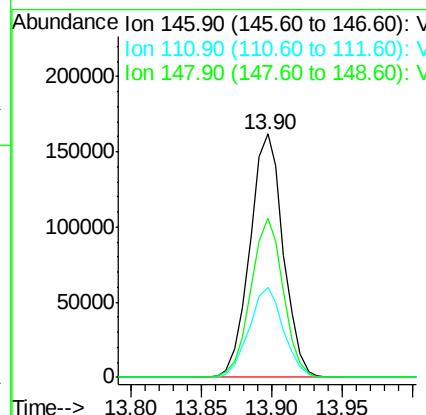
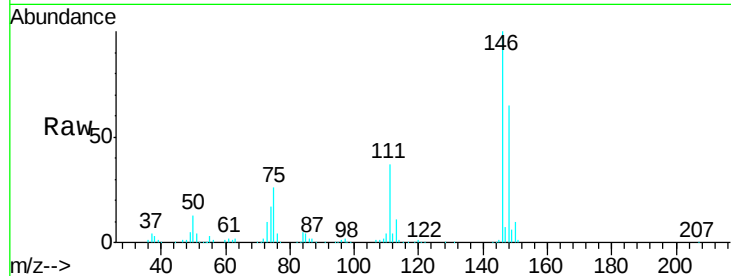
#91
 1,2-Dichlorobenzene
 Concen: 50.428 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.1
148	63.8	32.1	96.5

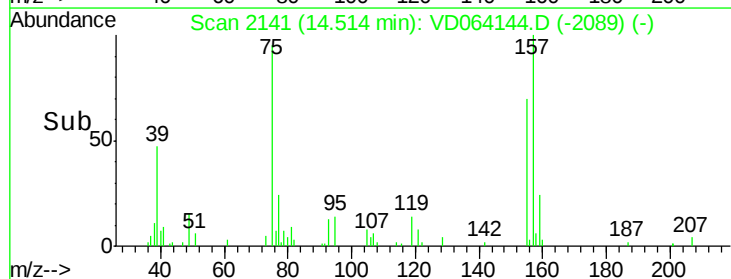
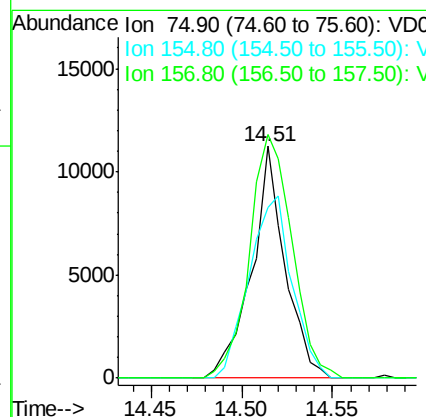
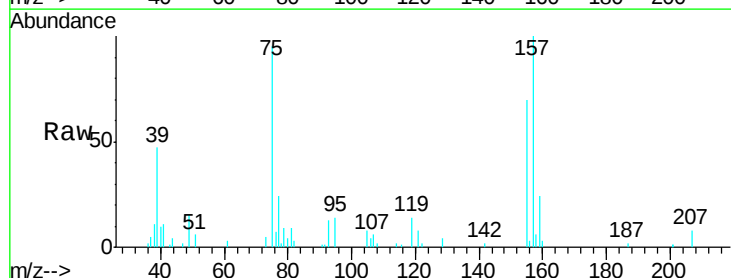
Manual Integrations
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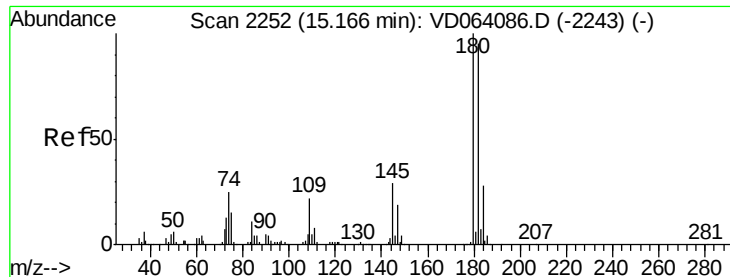
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.966 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.4	56.3	168.9
157	133.5	72.2	216.6





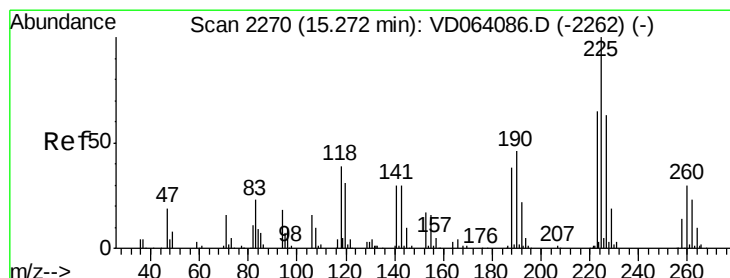
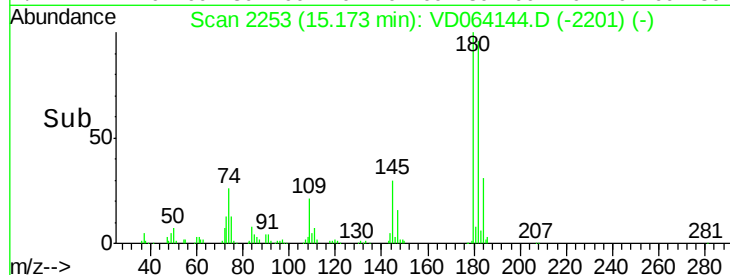
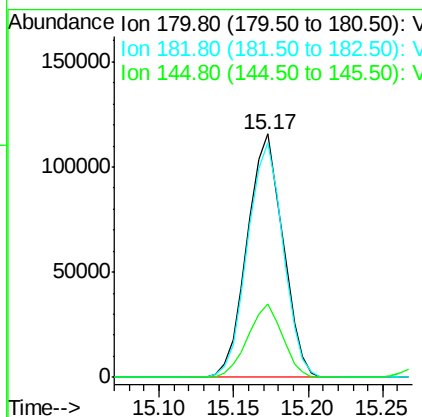
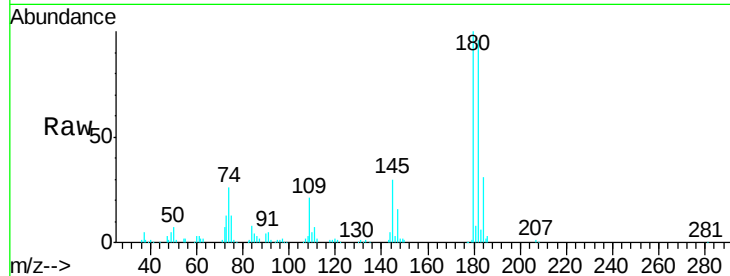
#93
 1,2,4-Trichlorobenzene
 Concen: 50.354 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.8	46.9	140.7
145	29.1	14.2	42.6

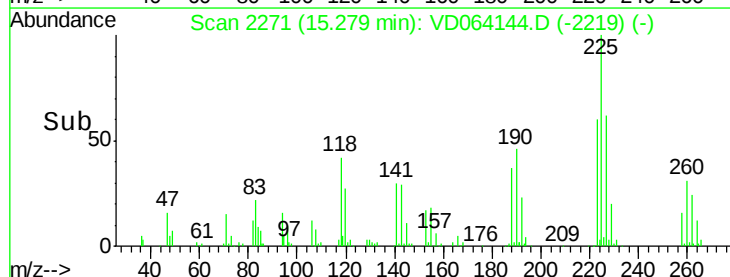
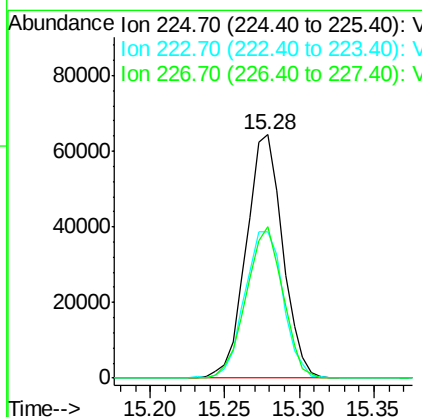
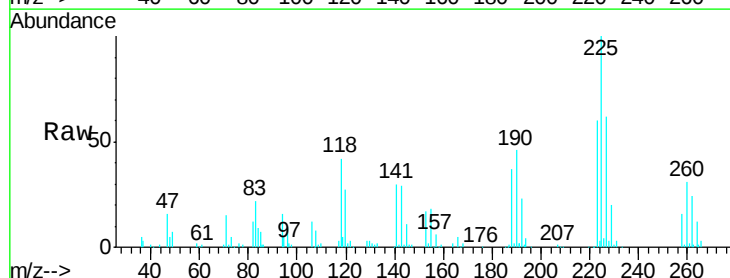
Manual Integrations
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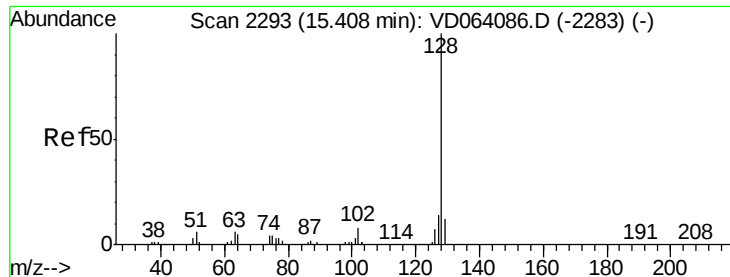
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#94
 Hexachlorobutadiene
 Concen: 48.502 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	63.8	30.8	92.3
227	62.5	31.7	95.1





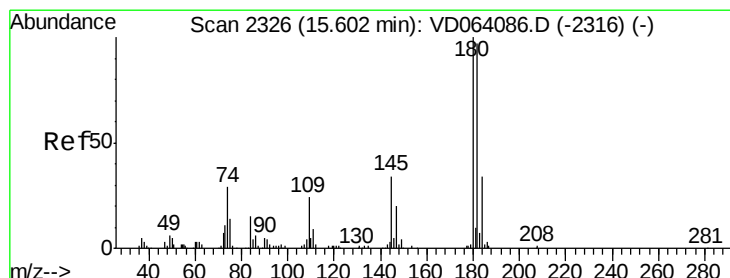
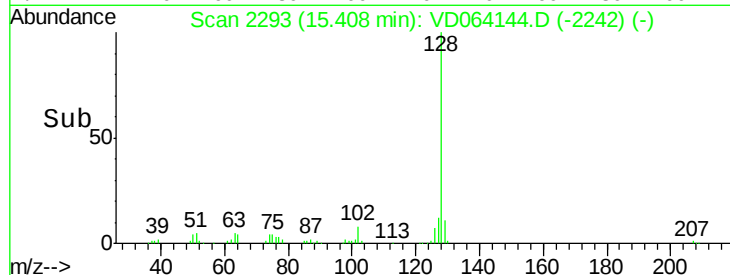
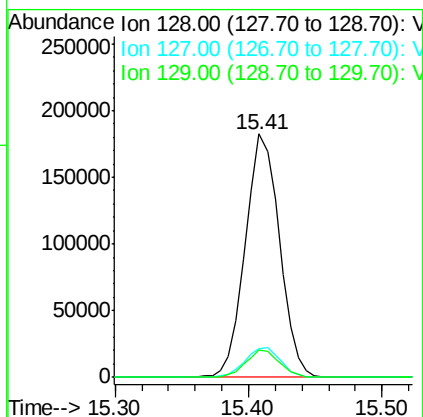
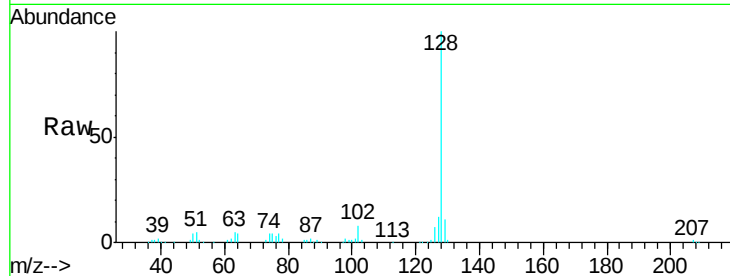
#95
Naphthalene
Concen: 51.872 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.9	16.3
129	11.2	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 50.497 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.4	145.0
145	29.8	16.4	49.4

