

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
 Data File : VD064088.D
 Acq On : 29 Oct 2019 14:32
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 10:58:27 AM

Quant Time: Oct 30 07:52:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 07:33:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	279768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	408480	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	430999	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	218709	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	325492	146.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.58%	
35) Dibromofluoromethane	7.92	113	364948	145.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.44%	
50) Toluene-d8	10.34	98	1571455	156.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	312.72%	
62) 4-Bromofluorobenzene	12.64	95	529352	158.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	317.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	371840	130.161	ug/l	100
3) Chloromethane	2.21	50	568675	119.308	ug/l	100
4) Vinyl Chloride	2.35	62	630637	122.007	ug/l	98
5) Bromomethane	2.74	94	434916	129.111	ug/l	97
6) Chloroethane	2.91	64	397929	123.949	ug/l	93
7) Trichlorofluoromethane	3.27	101	864070	121.434	ug/l	98
8) Diethyl Ether	3.71	74	165183	133.554	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	326698	127.405	ug/l	100
10) Methyl Iodide	4.29	142	484056	152.365	ug/l	100
11) Tert butyl alcohol	5.25	59	95115	507.128	ug/l	100
12) 1,1-Dichloroethene	4.06	96	325177	133.991	ug/l	89
13) Acrolein	3.92	56	99963	704.605	ug/l	96
14) Allyl chloride	4.71	41	414333	145.868	ug/l	98
15) Acrylonitrile	5.43	53	341376	747.216	ug/l	99
16) Acetone	4.16	43	317352	749.619	ug/l	92
17) Carbon Disulfide	4.40	76	1062345	142.447	ug/l	98
18) Methyl Acetate	4.73	43	165477	146.946	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	710506	144.278	ug/l #	90
20) Methylene Chloride	4.97	84	373444	123.457	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	377722	138.650	ug/l	97
22) Diisopropyl ether	6.37	45	948209	150.731	ug/l	95
23) Vinyl Acetate	6.31	43	2707499	768.902	ug/l	98
24) 1,1-Dichloroethane	6.27	63	568906	133.923	ug/l	98
25) 2-Butanone	7.23	43	446845	763.488	ug/l	100
26) 2,2-Dichloropropane	7.21	77	542465	134.545	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	429350	140.846	ug/l	99
28) Bromochloromethane	7.55	49	252374	162.872	ug/l	97
29) Tetrahydrofuran	7.57	42	270228	791.129	ug/l	98
30) Chloroform	7.71	83	664249	136.651	ug/l	95
31) Cyclohexane	7.98	56	542517	131.088	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	613748	135.639	ug/l	98
36) 1,1-Dichloropropene	8.11	75	530707	138.653	ug/l	99
37) Ethyl Acetate	7.30	43	178265	151.312	ug/l #	95
38) Carbon Tetrachloride	8.10	117	575797	137.878	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	692129	147.306	ug/l	95
40) Benzene	8.36	78	1523377	145.950	ug/l	100
41) Methacrylonitrile	7.54	41	117361m	146.792	ug/l	
42) 1,2-Dichloroethane	8.43	62	390331	141.572	ug/l	97
43) Isopropyl Acetate	8.46	43	363889	152.834	ug/l	99
44) Trichloroethene	9.11	130	451438	142.699	ug/l	94
45) 1,2-Dichloropropane	9.39	63	351281	145.221	ug/l	99
46) Dibromomethane	9.48	93	210685	144.618	ug/l	99
47) Bromodichloromethane	9.67	83	539569	146.811	ug/l	98
48) Methyl methacrylate	9.46	41	172249	156.442	ug/l	99
49) 1,4-Dioxane	9.47	88	52968	3176.300	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	1055968	814.673	ug/l	98
52) Toluene	10.41	92	1127418	154.130	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	540038	157.411	ug/l	92
54) cis-1,3-Dichloropropene	10.10	75	621574	153.996	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	303406	146.892	ug/l	96
56) Ethyl methacrylate	10.67	69	394300	175.807	ug/l	96
57) 1,3-Dichloropropane	10.95	76	512804	150.119	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	705563	779.708	ug/l	100
59) 2-Hexanone	10.99	43	773877	837.750	ug/l	99
60) Dibromochloromethane	11.14	129	422334	150.647	ug/l	99
61) 1,2-Dibromoethane	11.25	107	316706	153.307	ug/l	97
64) Tetrachloroethene	10.88	164	423861	136.892	ug/l	96
65) Chlorobenzene	11.67	112	1268767	142.471	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	473766	142.176	ug/l	98
67) Ethyl Benzene	11.75	91	2387907	150.754	ug/l	98
68) m/p-Xylenes	11.86	106	1877195	294.640	ug/l	99
69) o-Xylene	12.18	106	864878	148.745	ug/l	99
70) Styrene	12.20	104	1490201	148.601	ug/l	98
71) Bromoform	12.37	173	253919	142.680	ug/l #	99
73) Isopropylbenzene	12.48	105	2335379	153.663	ug/l	98
74) N-amyl acetate	12.29	43	412800	163.494	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	362617	151.371	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	208685m	76.904	ug/l	
77) Bromobenzene	12.77	156	538549	146.764	ug/l	95
78) n-propylbenzene	12.83	91	2755033	154.686	ug/l	99
79) 2-Chlorotoluene	12.91	91	1459740	152.896	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	1931317	151.838	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	121503	168.849	ug/l	97
82) 4-Chlorotoluene	13.01	91	1517005	148.704	ug/l	99
83) tert-Butylbenzene	13.23	119	1727723	151.230	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	1977139	154.734	ug/l	99
85) sec-Butylbenzene	13.41	105	2388260	152.226	ug/l	99
86) p-Isopropyltoluene	13.52	119	2282836	154.863	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	1084212	147.440	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	1041112	143.621	ug/l	99
89) n-Butylbenzene	13.85	91	2051822	150.908	ug/l	97
90) Hexachloroethane	14.12	117	420175	152.245	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	886756	140.120	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	50733	145.010	ug/l	99

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ClientSampleId :
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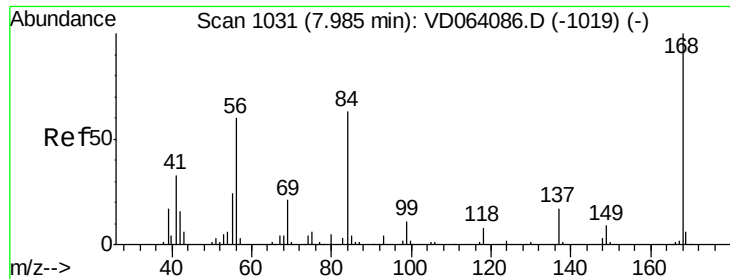
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	670225	147.332	ug/l	98
94) Hexachlorobutadiene	15.27	225	381672	143.555	ug/l	99
95) Naphthalene	15.41	128	1191977	160.665	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	575294	146.002	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion:168 Resp: 279768

Ion Ratio Lower Upper

168 100

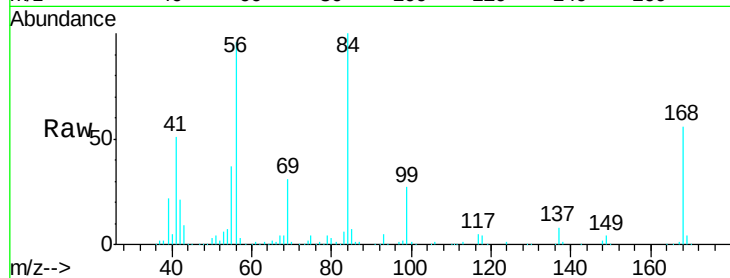
99 47.7 37.6 56.4

Manual Integrations

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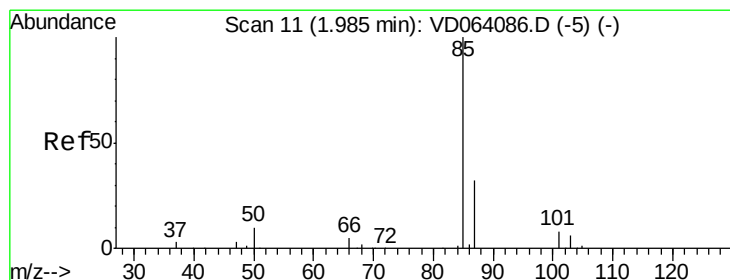
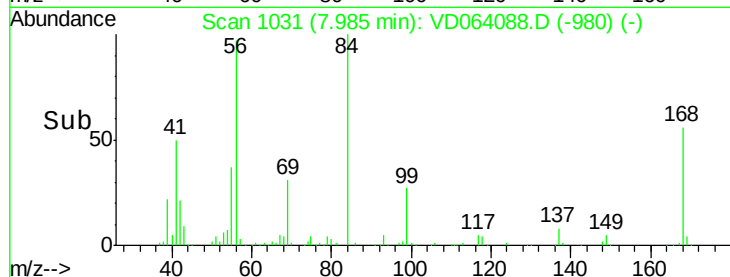
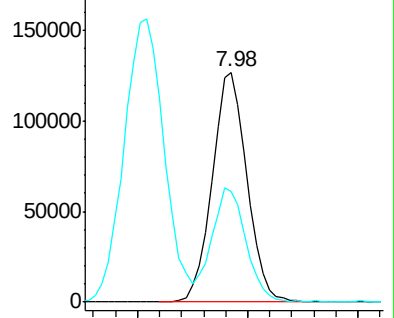
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10/30/2019 10:58:27 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 130.161 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD064088.D

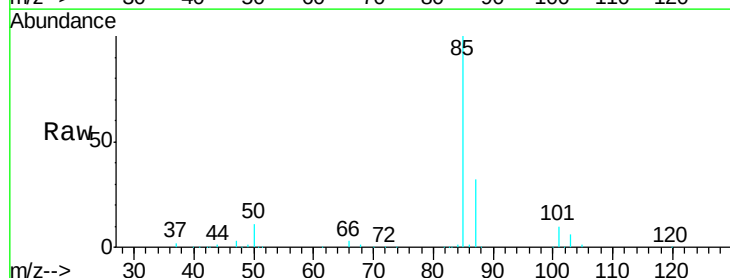
Acq: 29 Oct 2019 14:32

Tgt Ion: 85 Resp: 371840

Ion Ratio Lower Upper

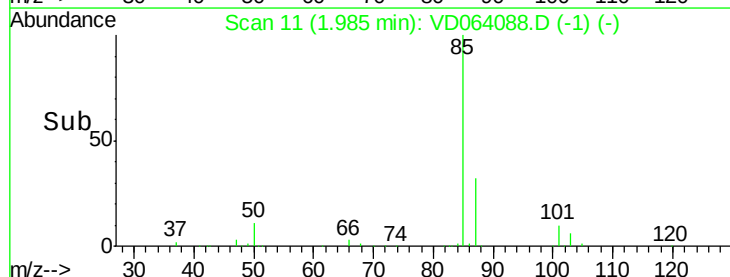
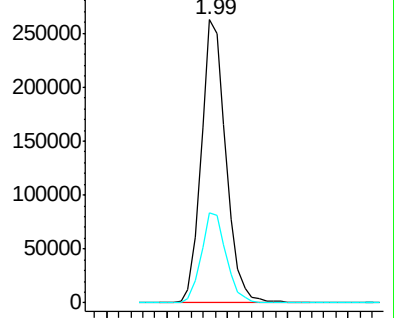
85 100

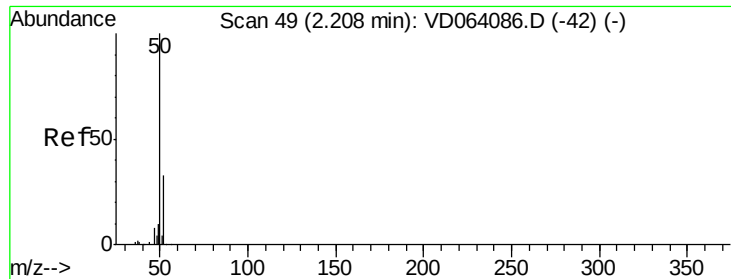
87 31.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 119.308 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 50 Resp: 568675

Ion Ratio Lower Upper

50 100

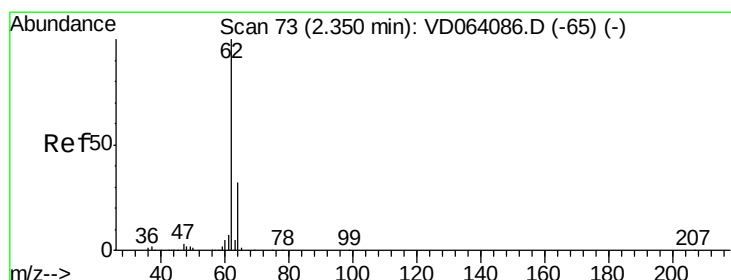
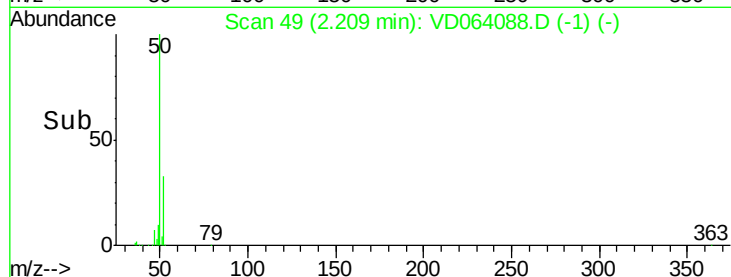
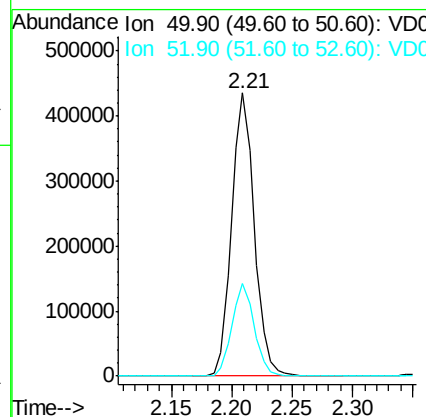
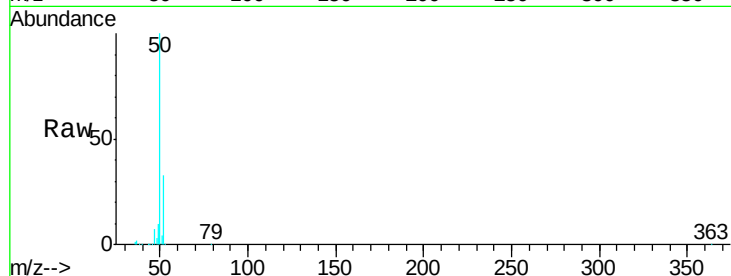
52 32.8 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 122.007 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064088.D

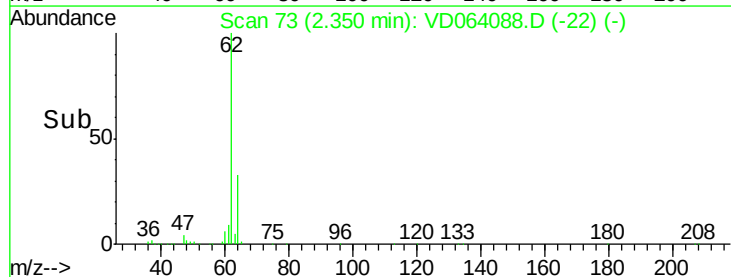
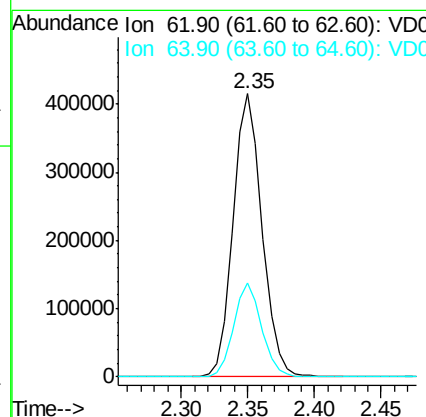
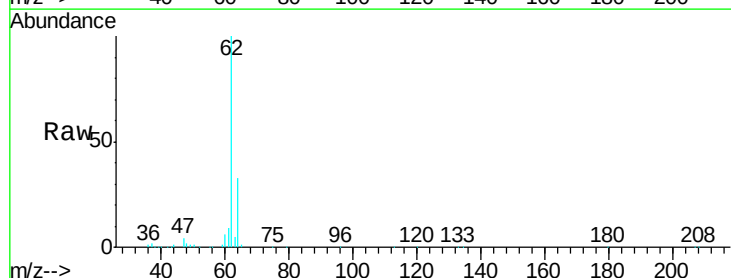
Acq: 29 Oct 2019 14:32

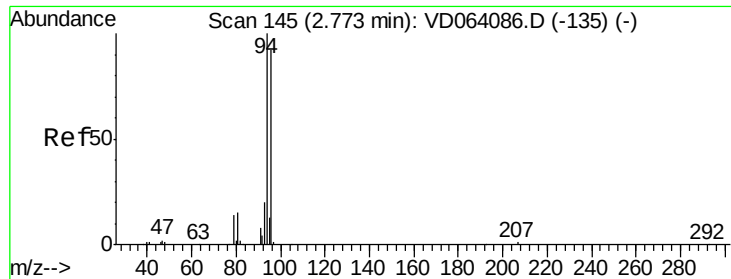
Tgt Ion: 62 Resp: 630637

Ion Ratio Lower Upper

62 100

64 33.3 25.6 38.4





#5

Bromomethane

Concen: 129.111 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.03 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 94 Resp: 434916

Ion Ratio Lower Upper

94 100

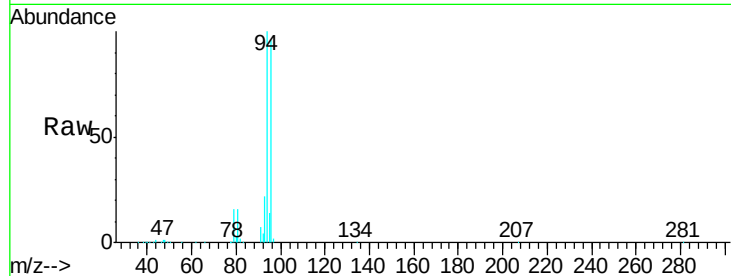
96 95.5 73.9 110.9

Manual Integrations

APPROVED

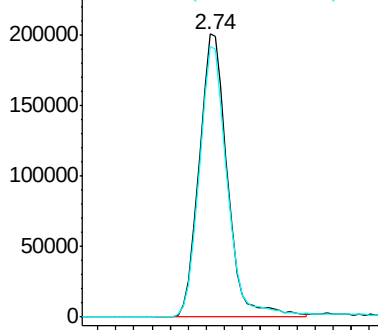
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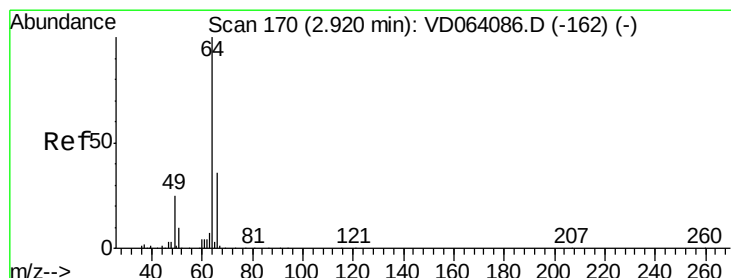
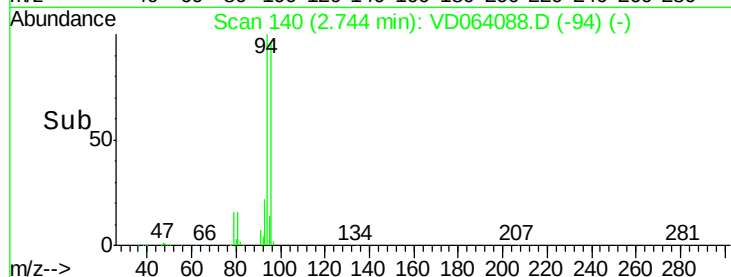


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 123.949 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064088.D

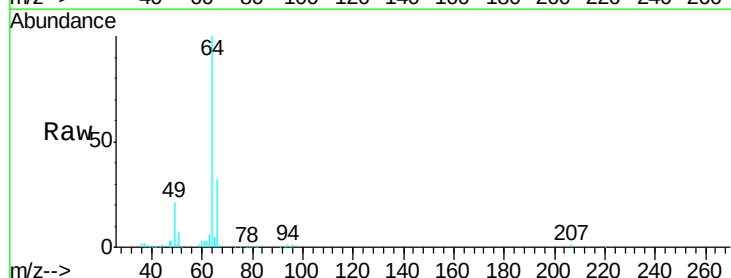
Acq: 29 Oct 2019 14:32

Tgt Ion: 64 Resp: 397929

Ion Ratio Lower Upper

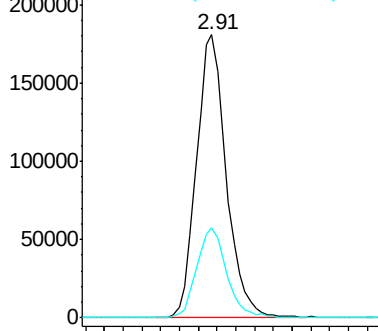
64 100

66 31.8 28.7 43.1

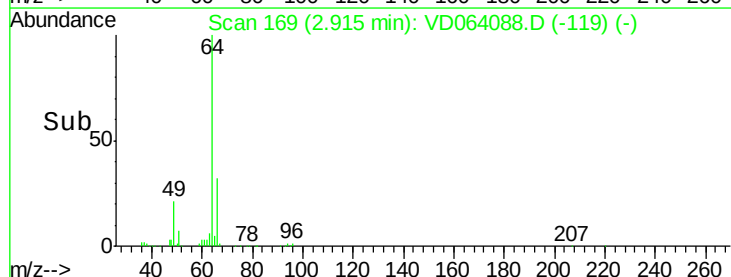


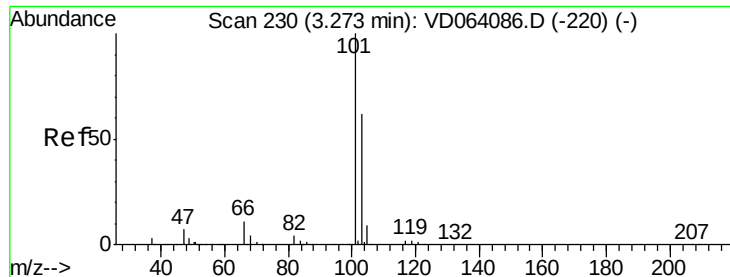
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

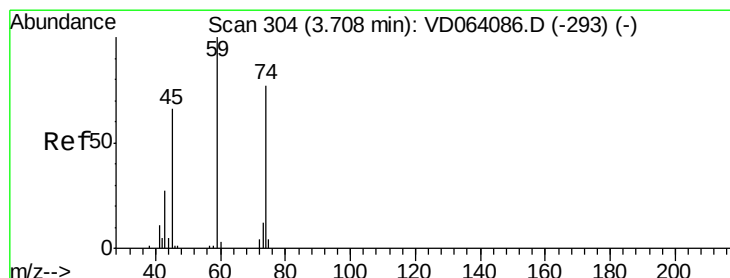
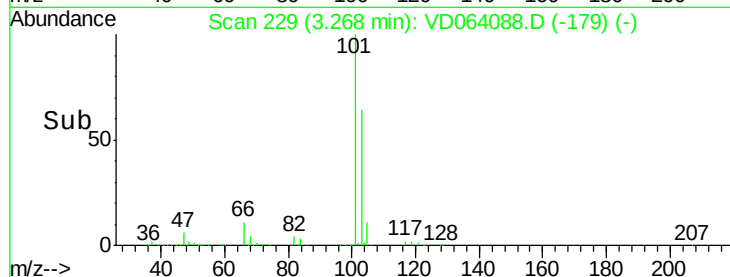
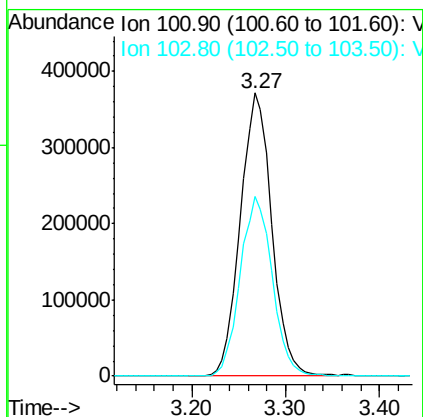
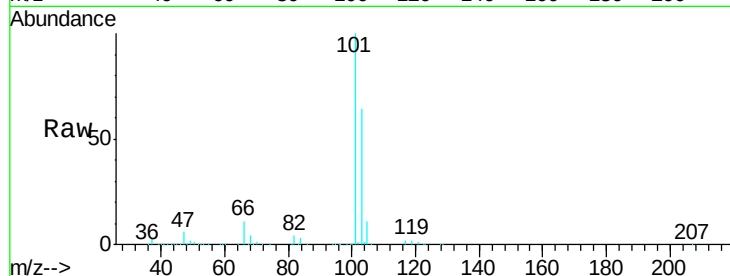
Trichlorofluoromethane
 Concen: 121.434 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD064088.D
 Acq: 29 Oct 2019 14:32

Instrument :
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 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.6	49.6	74.4

Manual Integrations
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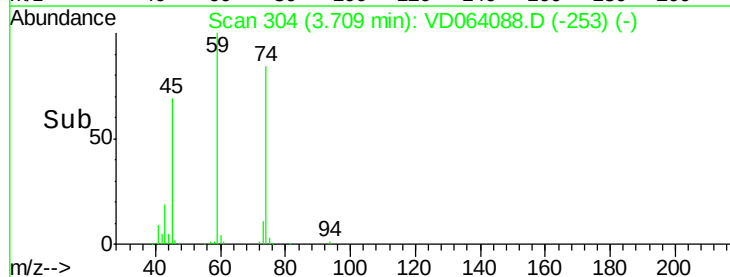
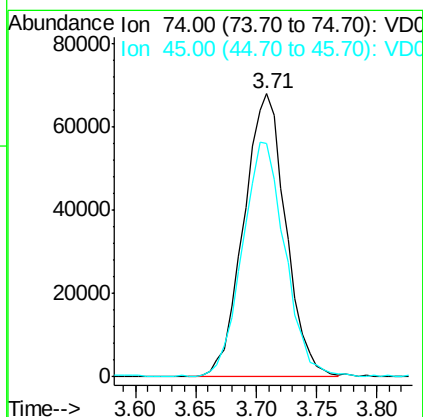
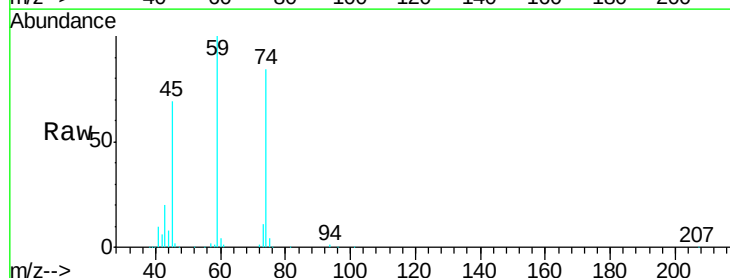
MMDadoda
 10/30/2019 10:58:27 AM

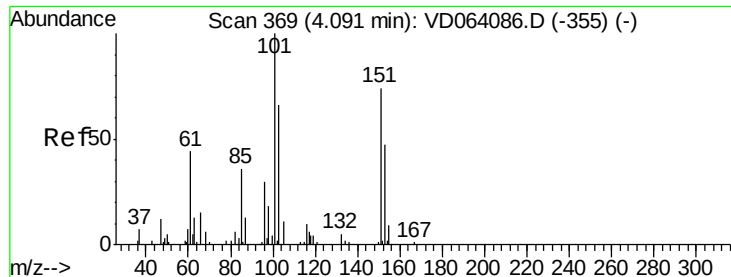


#8

Diethyl Ether
 Concen: 133.554 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064088.D
 Acq: 29 Oct 2019 14:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.1	44.1	132.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 127.405 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA_D

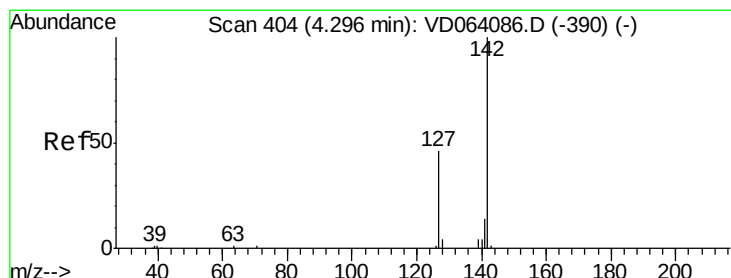
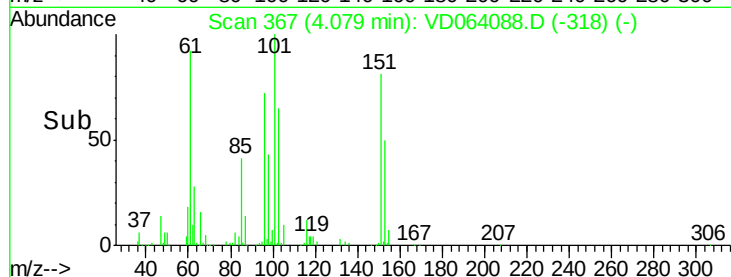
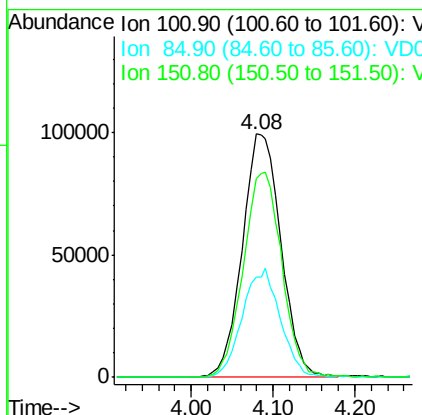
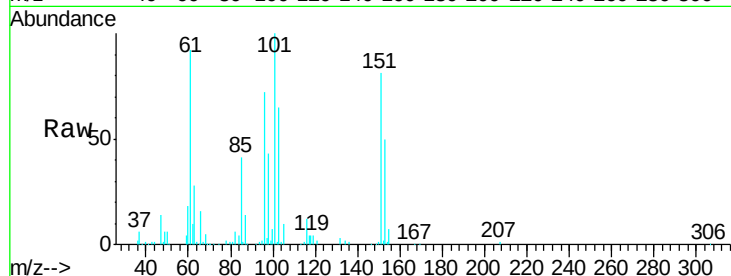
ClientSampleId :

VSTDIC150

Tgt Ion:	101	Resp:	326698
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.3	52.9
151	83.9	67.0	100.6

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#10

Methyl Iodide

Concen: 152.365 ug/l

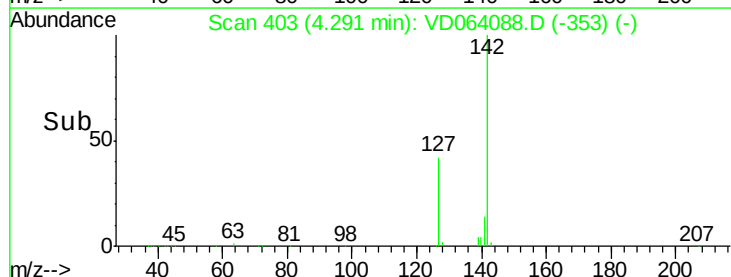
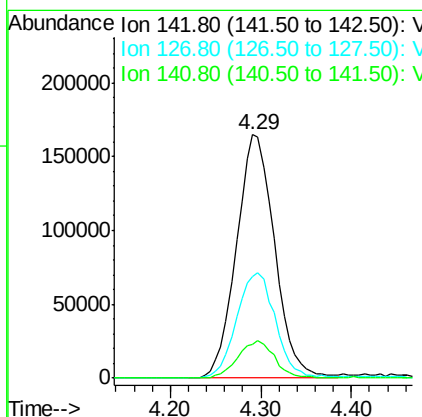
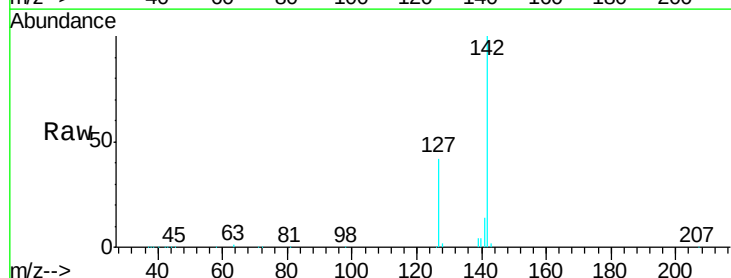
RT: 4.29 min Scan# 403

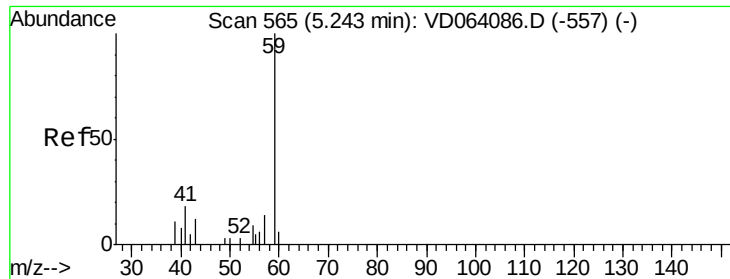
Delta R.T. -0.01 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Tgt Ion:	142	Resp:	484056
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.1	52.7
141	14.8	11.6	17.4





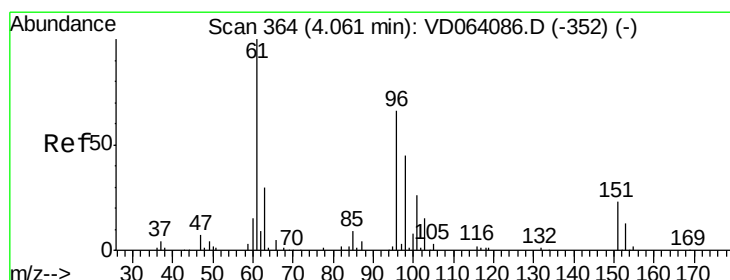
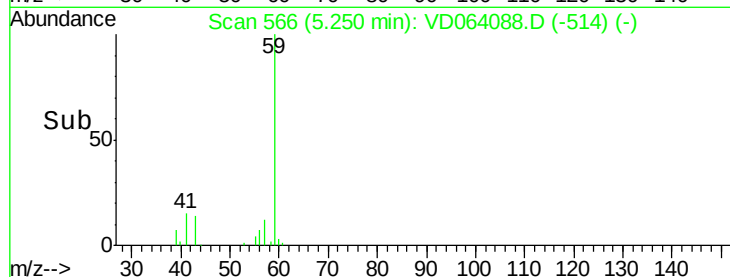
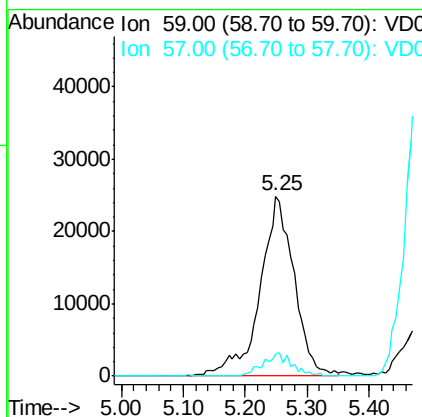
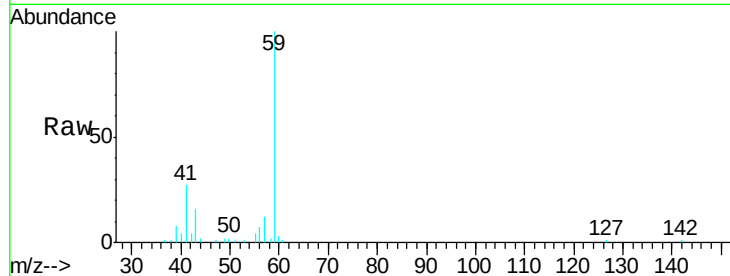
#11
Tert butyl alcohol
Concen: 507.128 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 59 Resp: 95115
Ion Ratio Lower Upper
59 100
57 11.0 8.7 13.1

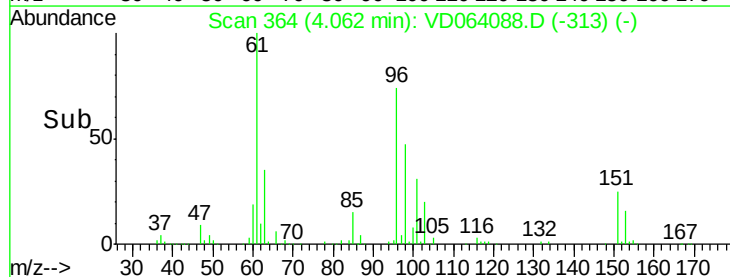
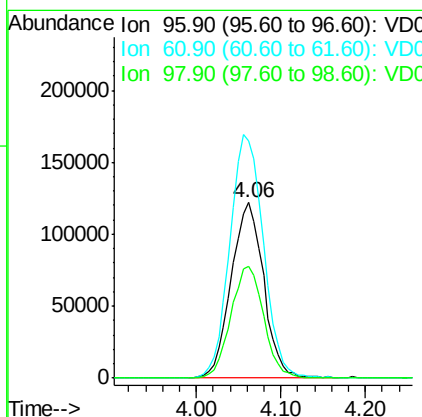
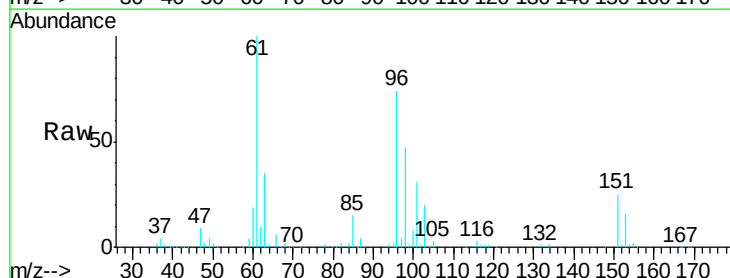
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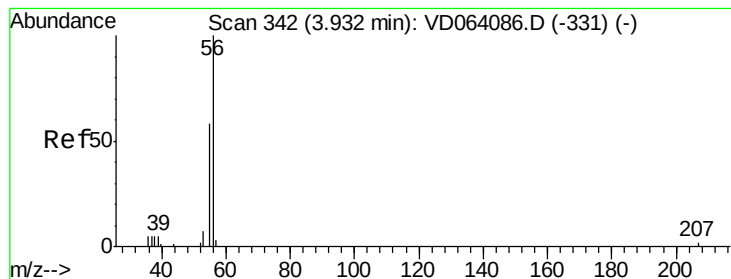
MMDadoda
10/30/2019 10:58:27 AM



#12
1,1-Dichloroethene
Concen: 133.991 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Tgt Ion: 96 Resp: 325177
Ion Ratio Lower Upper
96 100
61 135.1 121.8 182.6
98 63.9 55.4 83.0





#13

Acrolein

Concen: 704.605 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 99963

Ion Ratio Lower Upper

56 100

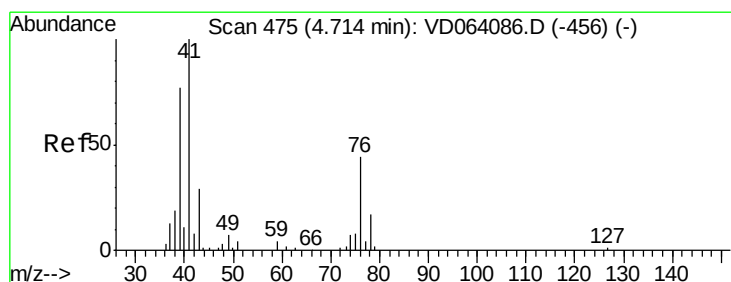
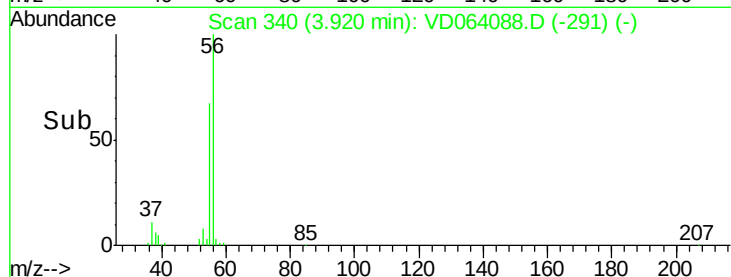
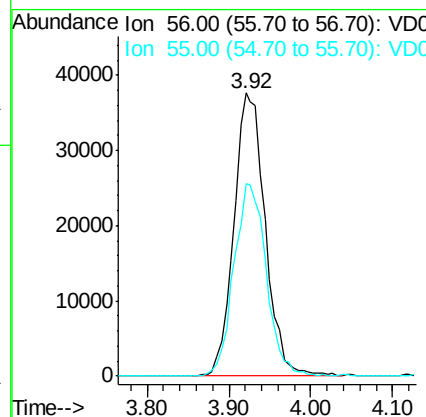
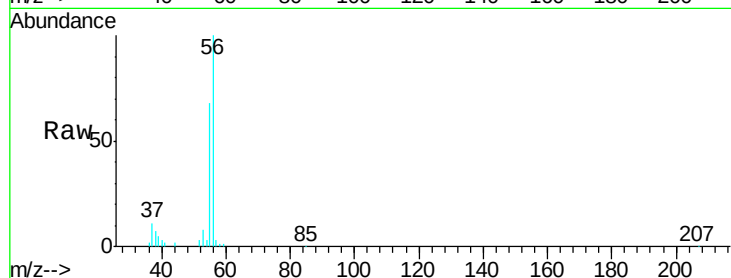
55 70.3 53.8 80.6

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#14

Allyl chloride

Concen: 145.868 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

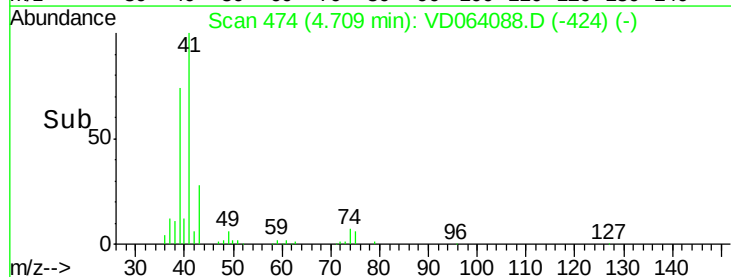
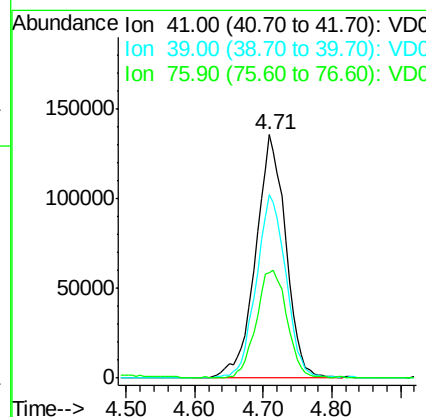
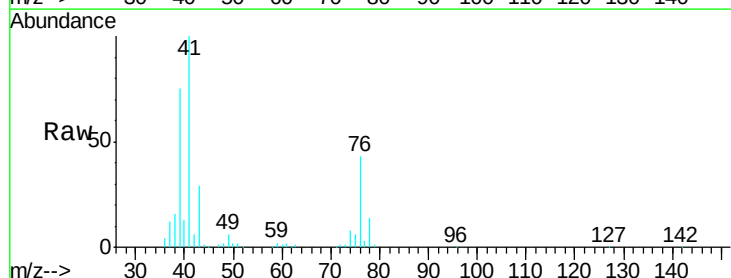
Tgt Ion: 41 Resp: 414333

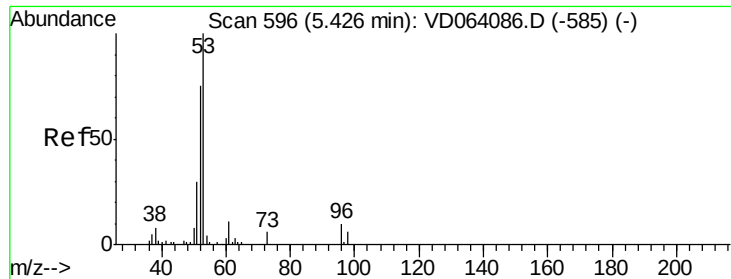
Ion Ratio Lower Upper

41 100

39 74.2 61.5 92.3

76 44.8 36.2 54.4





#15

Acrylonitrile

Concen: 747.216 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA_D

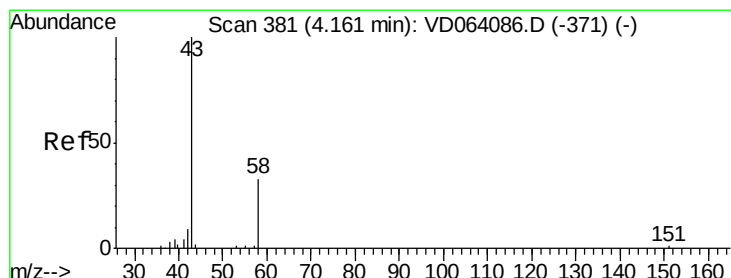
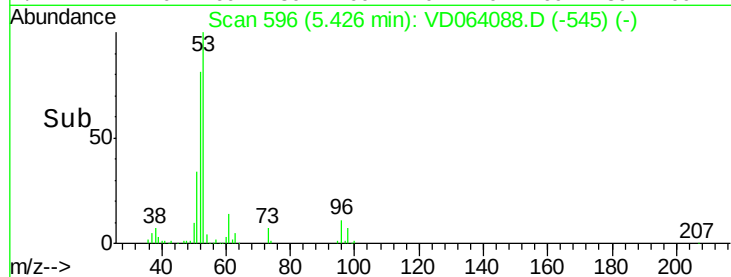
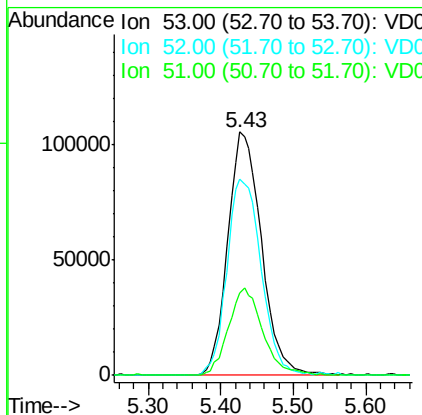
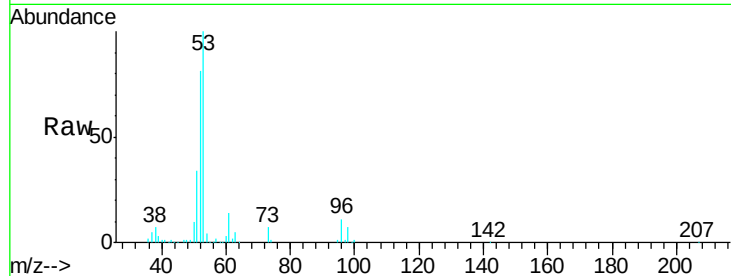
ClientSampleId :

VSTDIC150

Tgt Ion:	53	Resp:	341376
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.2	99.4
51	36.5	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 749.619 ug/l

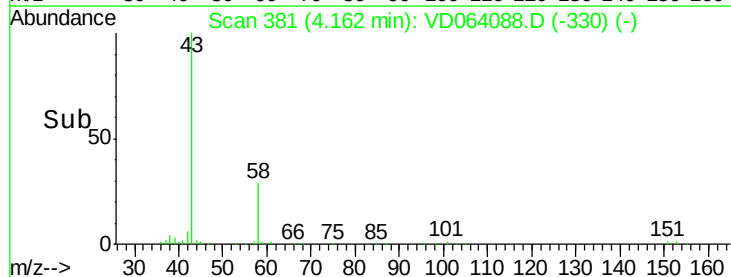
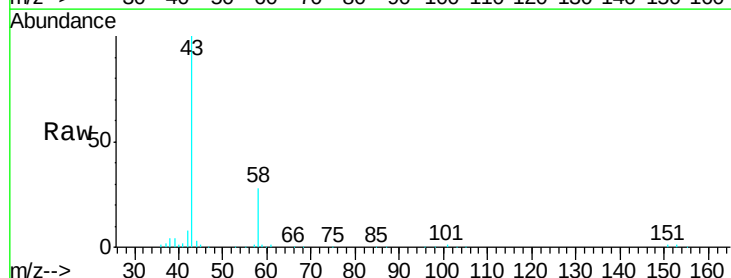
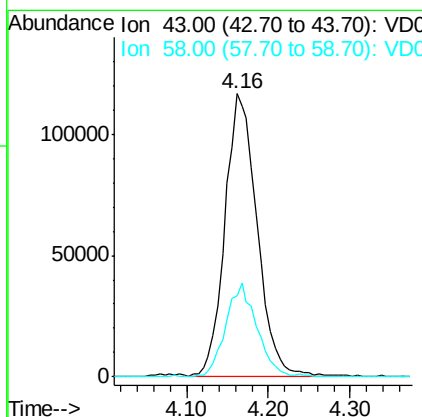
RT: 4.16 min Scan# 381

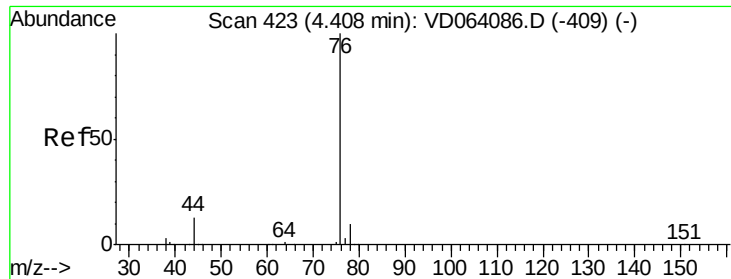
Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Tgt Ion:	43	Resp:	317352
Ion	Ratio	Lower	Upper
43	100		
58	28.4	26.3	39.5





#17

Carbon Disulfide

Concen: 142.447 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 1062345

Ion Ratio Lower Upper

76 100

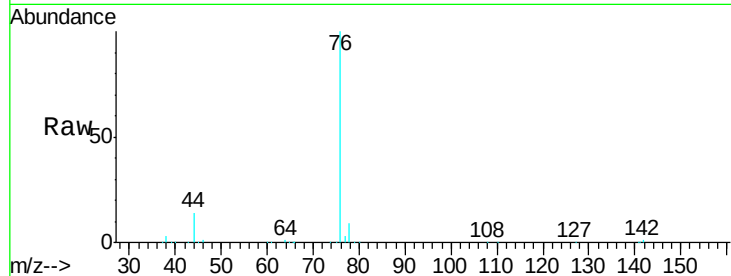
78 9.5 8.1 12.1

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

400000

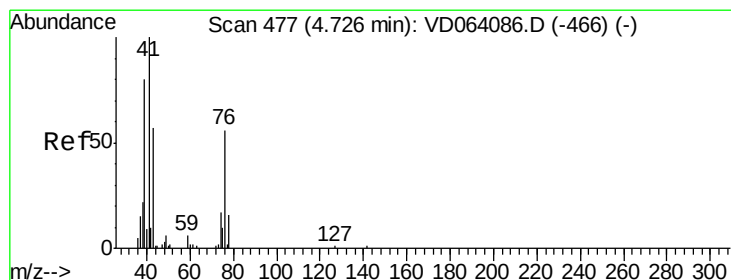
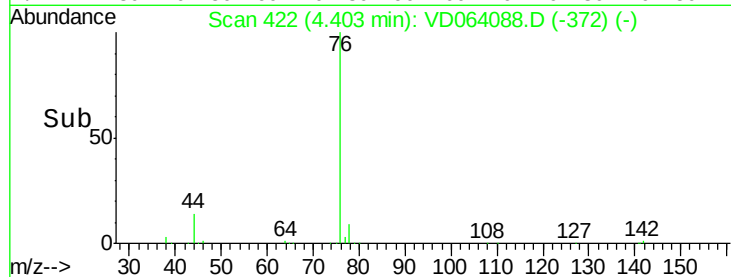
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 146.946 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064088.D

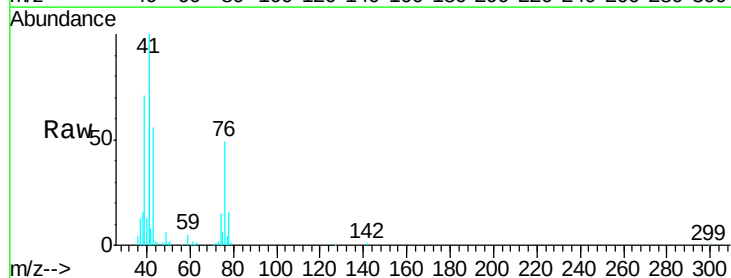
Acq: 29 Oct 2019 14:32

Tgt Ion: 43 Resp: 165477

Ion Ratio Lower Upper

43 100

74 27.1 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

60000

50000

40000

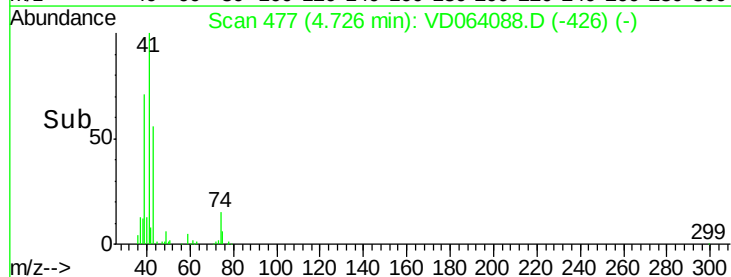
30000

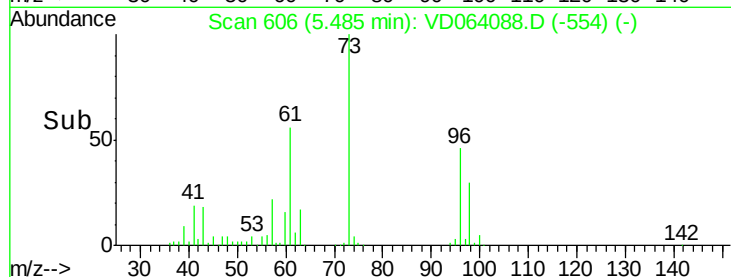
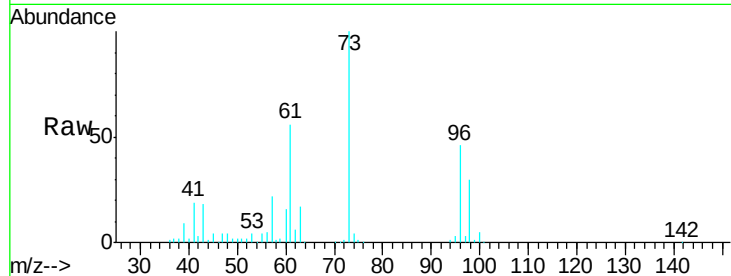
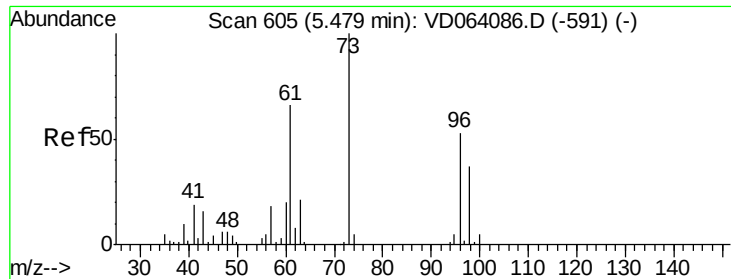
20000

10000

0

Time-->





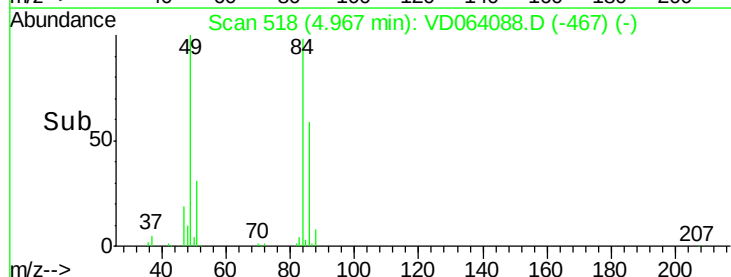
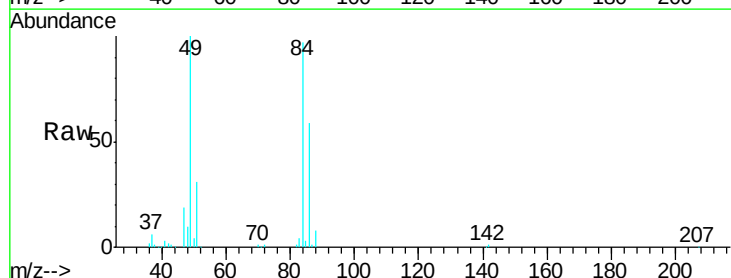
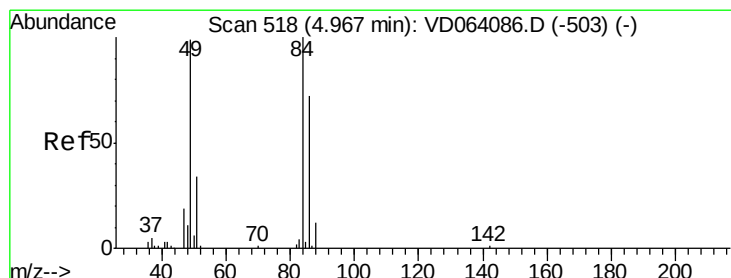
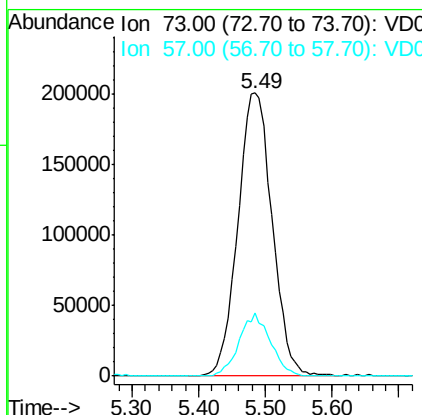
#19
Methyl tert-butyl Ether
Concen: 144.278 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Tgt Ion: 73 Resp: 710506
Ion Ratio Lower Upper
73 100
57 22.2 14.3 21.5#

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

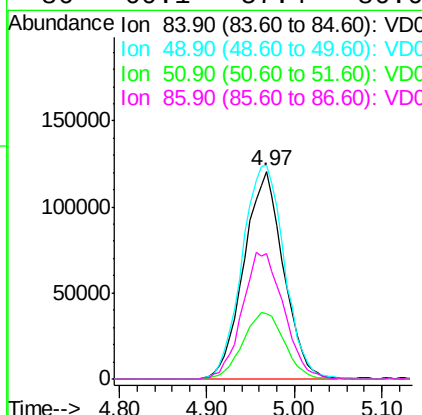
Manual Integrations
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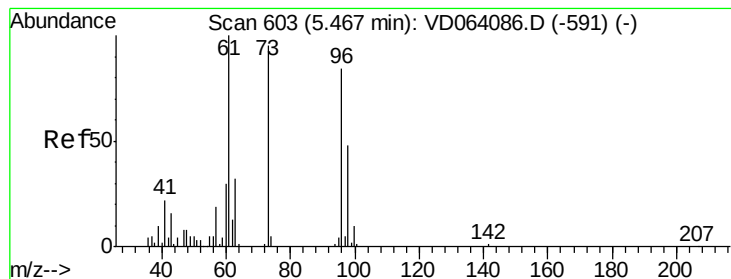
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#20
Methylene Chloride
Concen: 123.457 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Tgt Ion: 84 Resp: 373444
Ion Ratio Lower Upper
84 100
49 102.8 79.4 119.0
51 31.4 27.4 41.2
86 60.1 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 138.650 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 377722

Ion Ratio Lower Upper

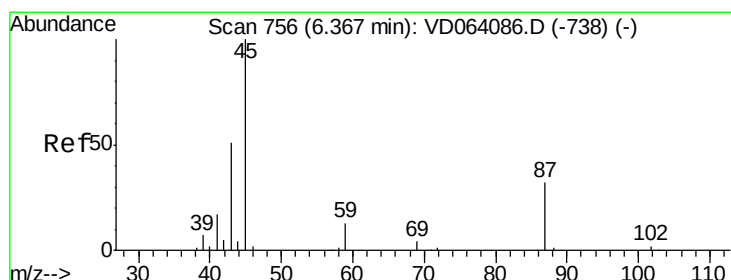
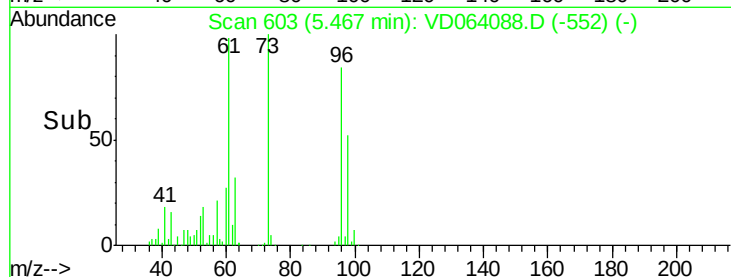
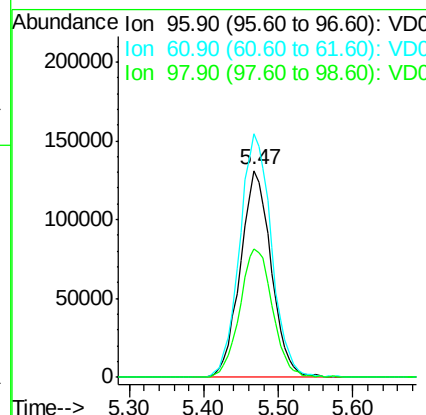
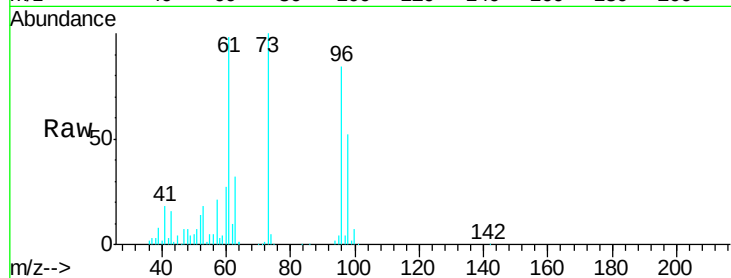
96 100

61 117.5 95.0 142.6

98 61.8 45.8 68.8

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#22

Diisopropyl ether

Concen: 150.731 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Tgt Ion: 45 Resp: 948209

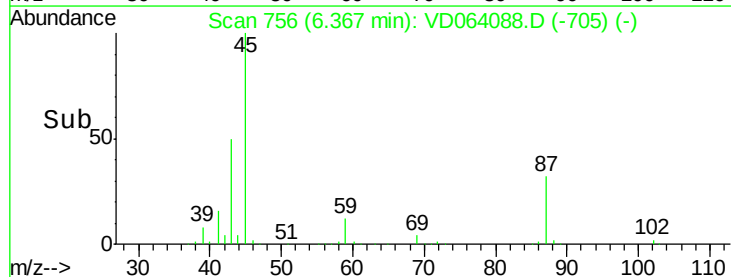
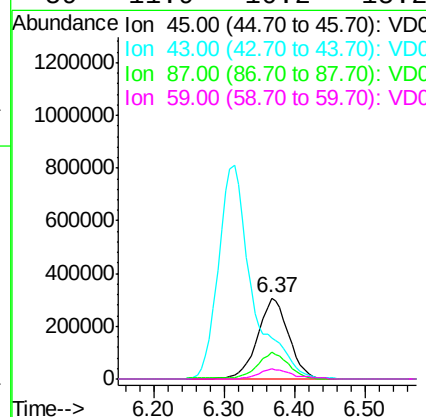
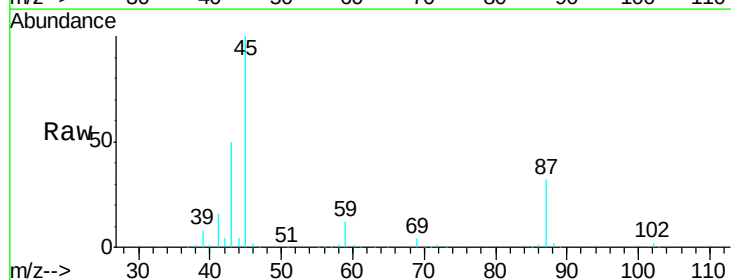
Ion Ratio Lower Upper

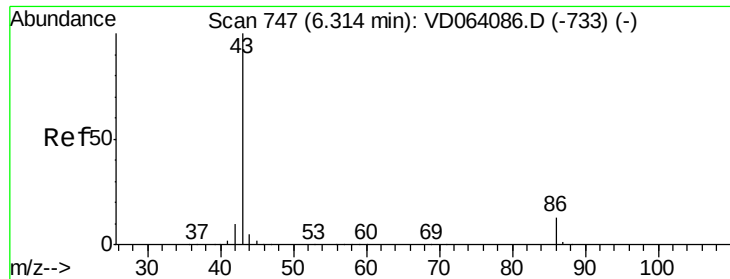
45 100

43 49.4 44.3 66.5

87 32.3 26.6 39.8

59 11.9 10.2 15.2





#23

Vinyl Acetate

Concen: 768.902 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 2707499

Ion Ratio Lower Upper

43 100

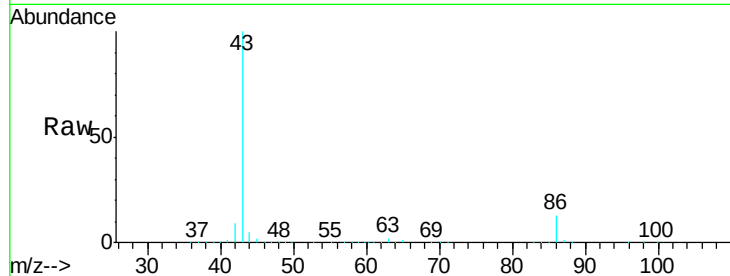
86 12.8 10.7 16.1

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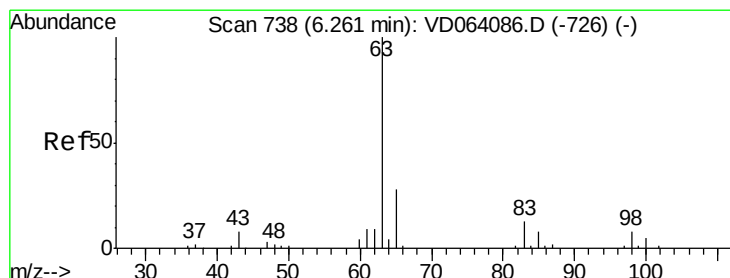
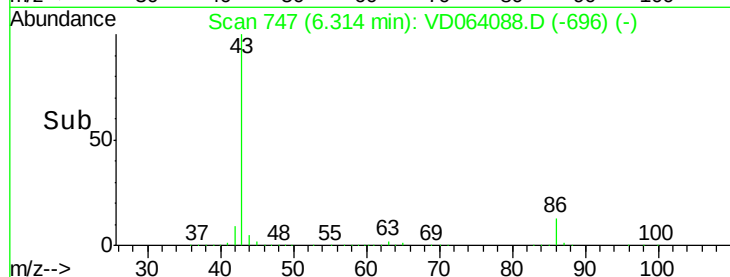
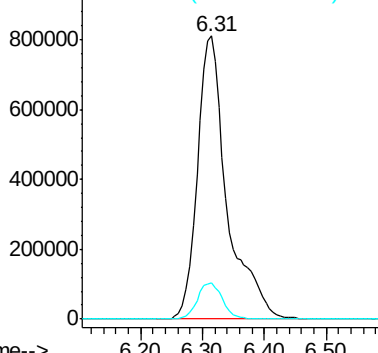
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 133.923 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

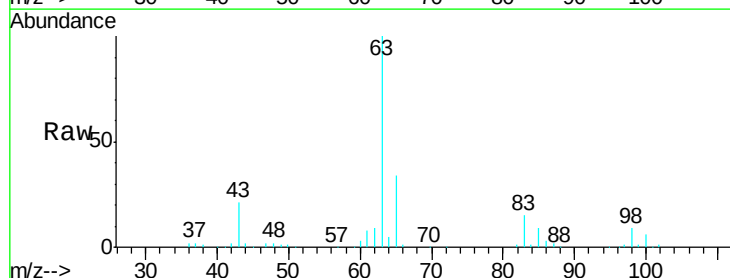
Tgt Ion: 63 Resp: 568906

Ion Ratio Lower Upper

63 100

98 8.6 4.0 11.9

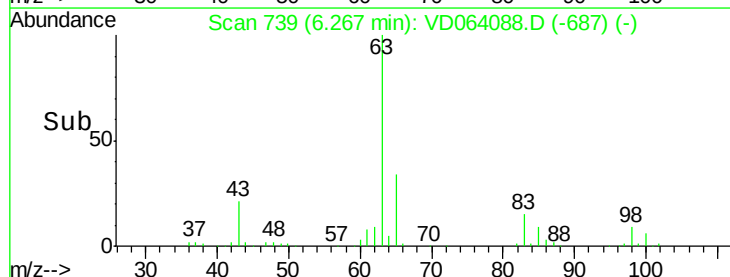
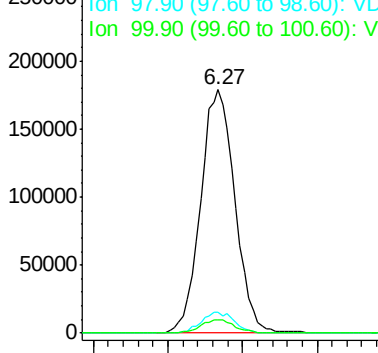
100 5.6 2.6 7.8

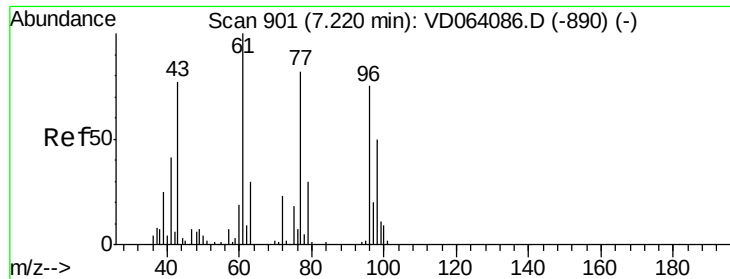


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 763.488 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 446845

Ion Ratio Lower Upper

43 100

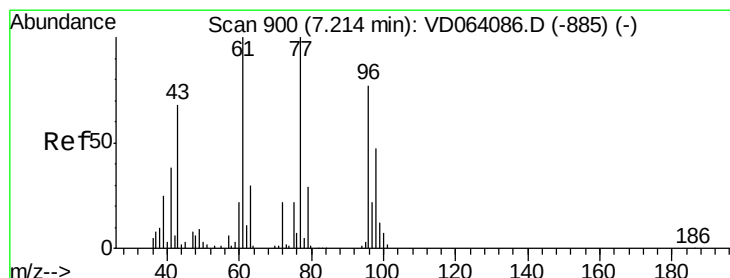
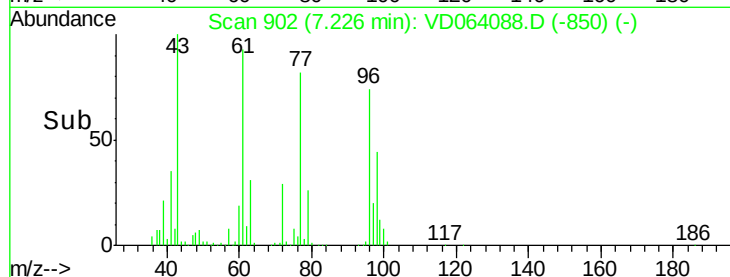
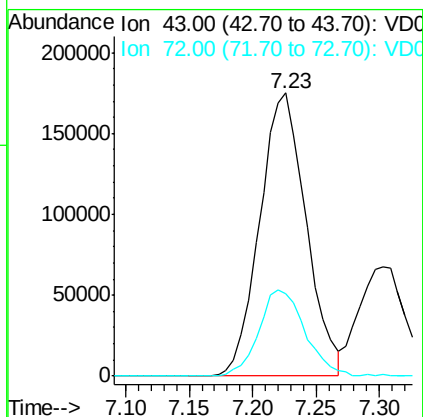
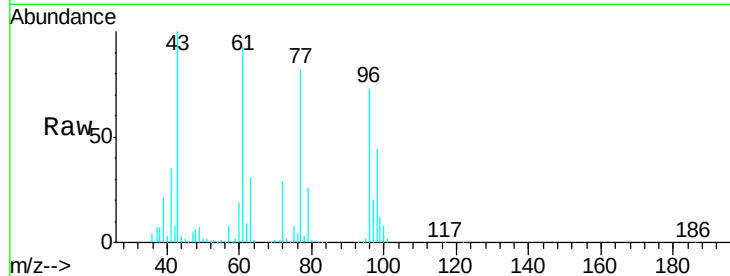
72 29.0 23.4 35.0

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#26

2,2-Dichloropropane

Concen: 134.545 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064088.D

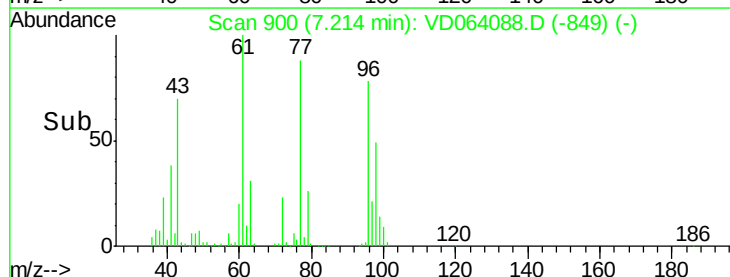
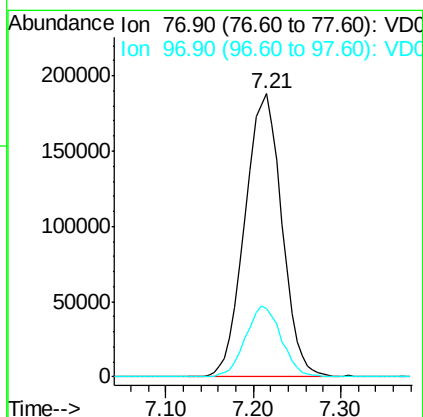
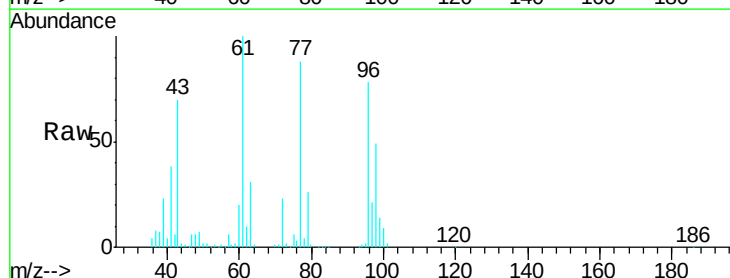
Acq: 29 Oct 2019 14:32

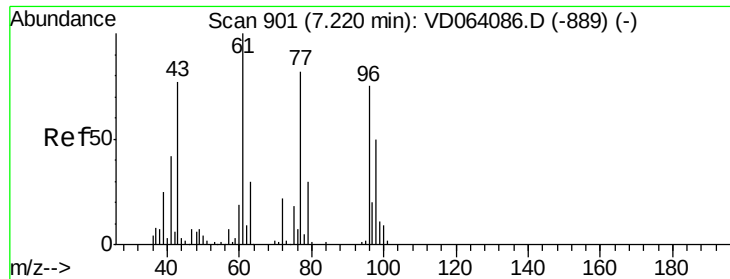
Tgt Ion: 77 Resp: 542465

Ion Ratio Lower Upper

77 100

97 24.1 11.2 33.5





#27

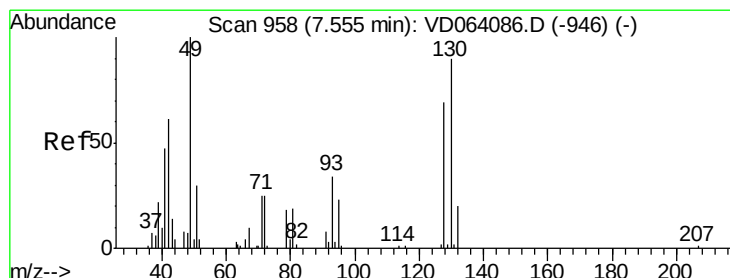
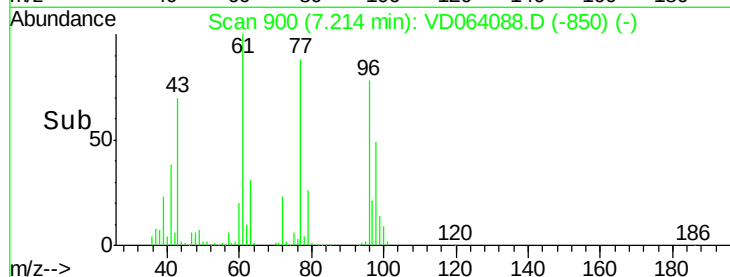
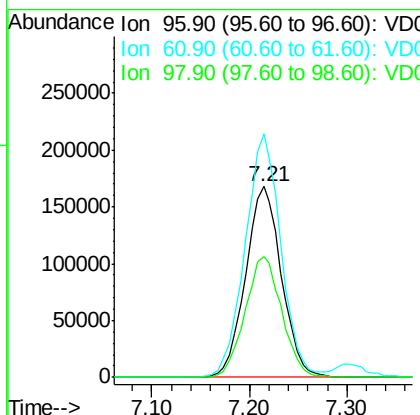
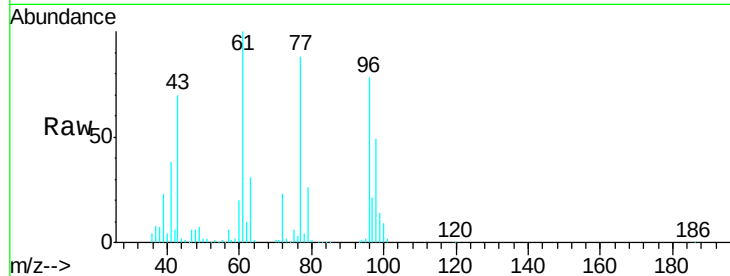
cis-1,2-Dichloroethene
Concen: 140.846 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	429350		
61	127.7	0.0	258.0	
98	64.6	0.0	130.8	

Manual Integrations
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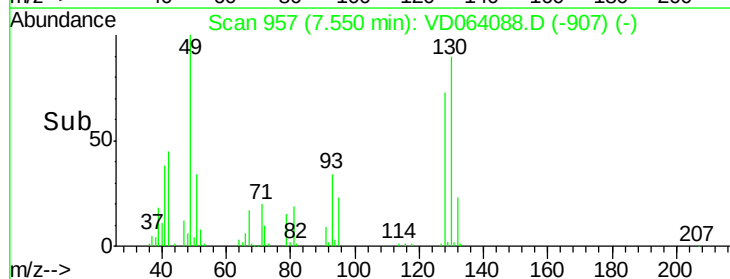
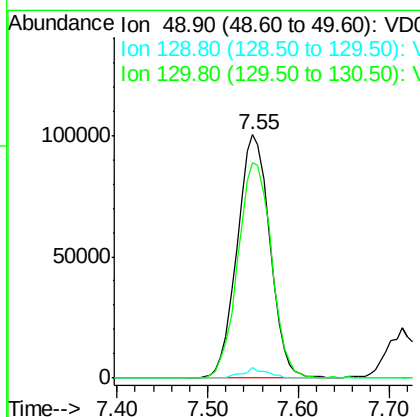
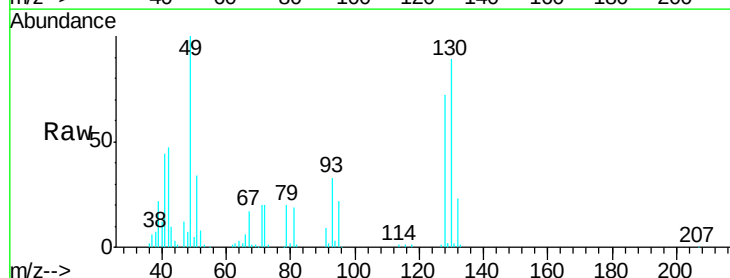
MMDadoda
10/30/2019 10:58:27 AM

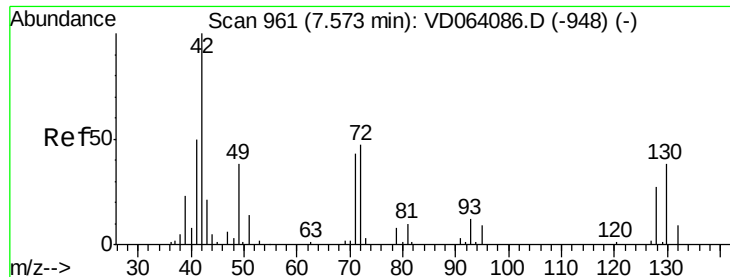


#28

Bromochloromethane
Concen: 162.872 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	252374		
129	3.1	0.0	5.4	
130	91.1	75.3	112.9	





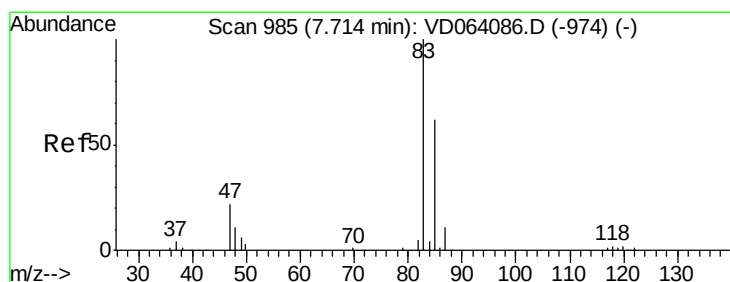
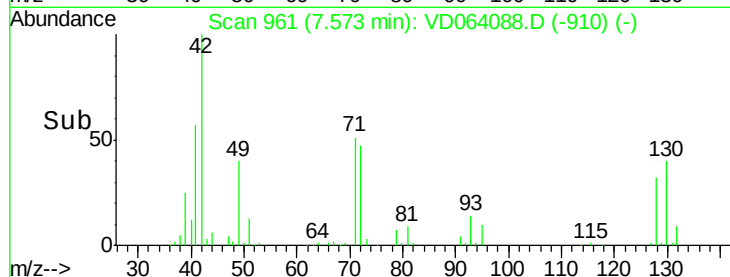
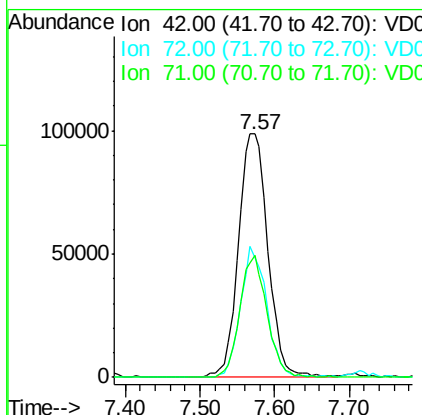
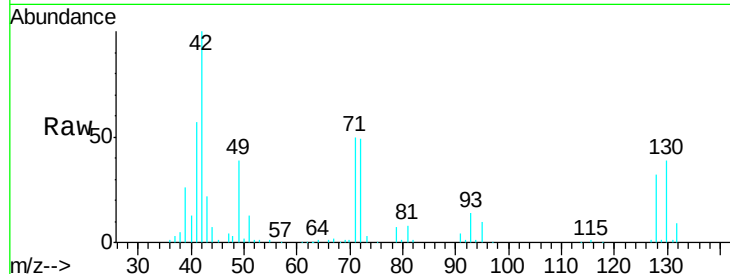
#29
Tetrahydrofuran
Concen: 791.129 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
42	100	270228		
72	47.5	38.9	58.3	
71	46.0	35.4	53.2	

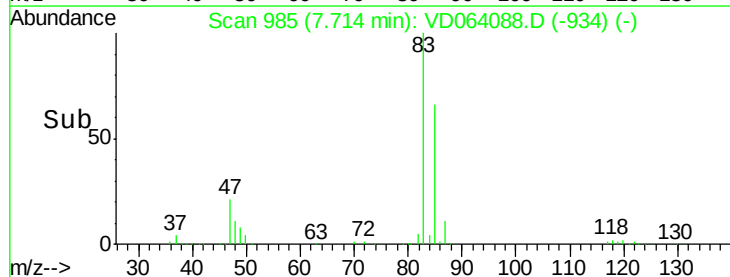
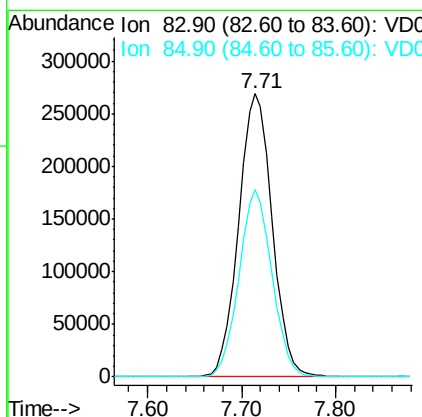
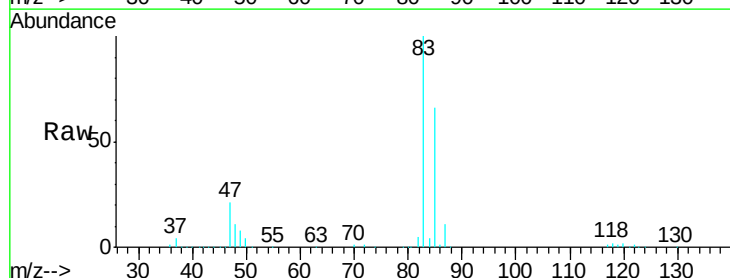
Manual Integrations
APPROVED

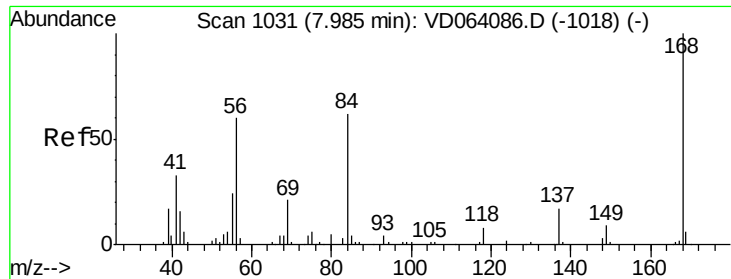
MMDadoda
10/30/2019 10:58:27 AM



#30
Chloroform
Concen: 136.651 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	664249		
85	66.3	49.8	74.6	





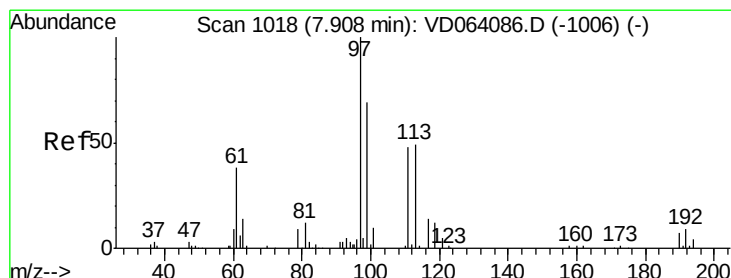
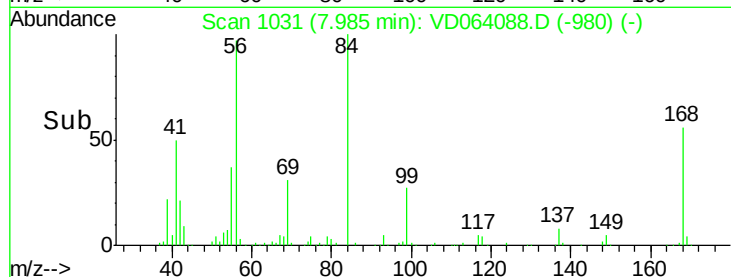
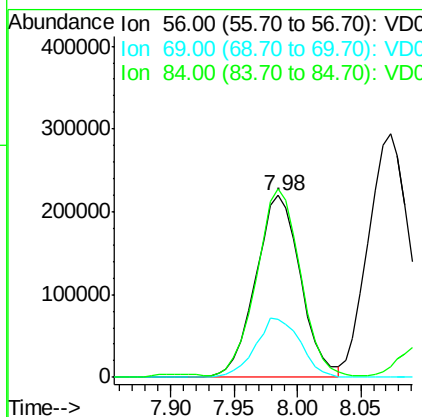
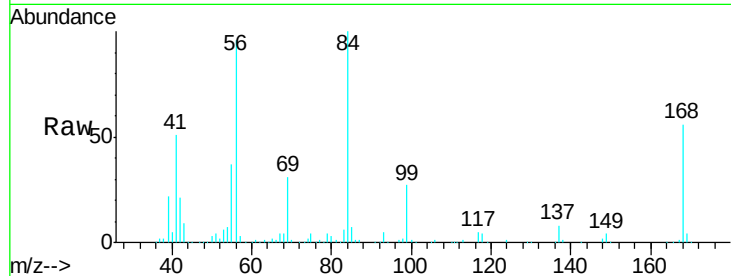
#31
Cyclohexane
Concen: 131.088 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.0	27.7	41.5
84	102.2	83.1	124.7

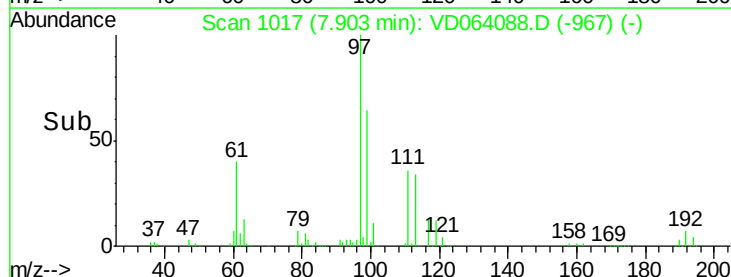
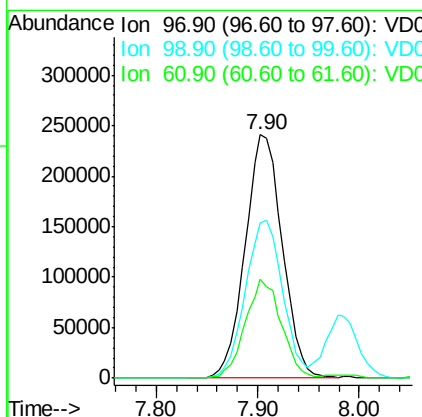
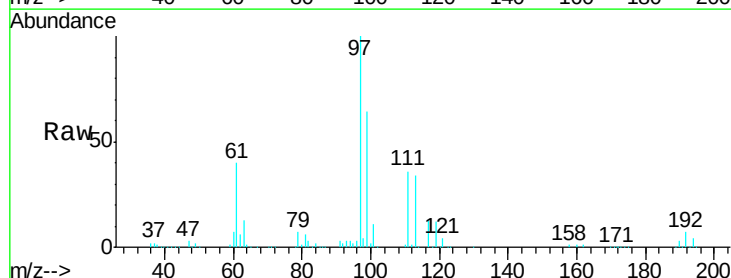
Manual Integrations
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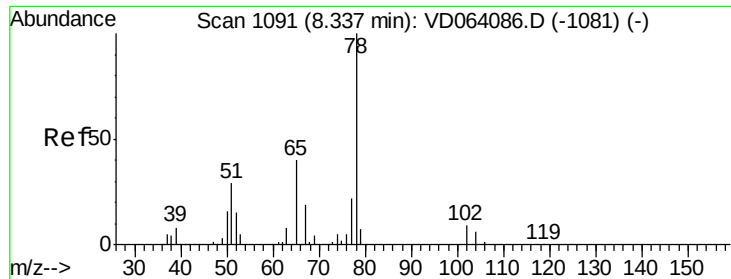
MMDadoda
10/30/2019 10:58:27 AM



#32
1,1,1-Trichloroethane
Concen: 135.639 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	53.7	80.5
61	39.3	31.8	47.6





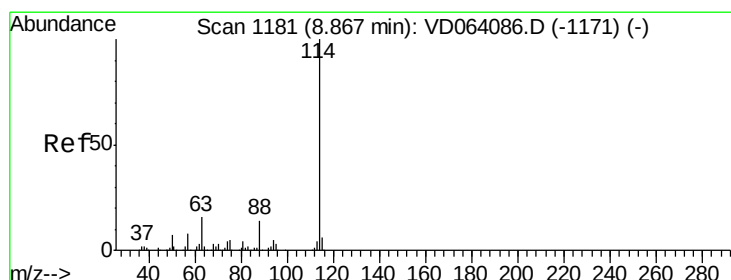
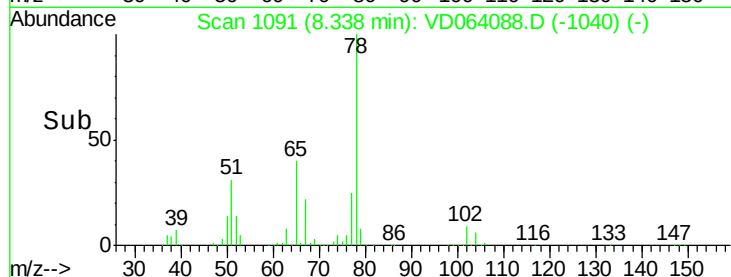
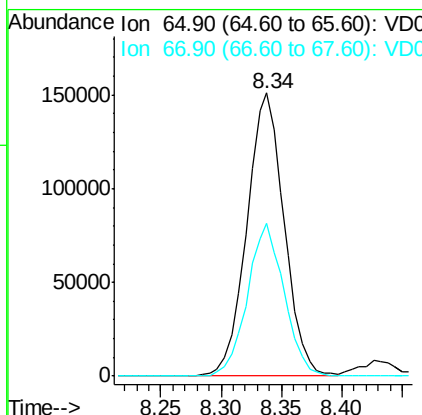
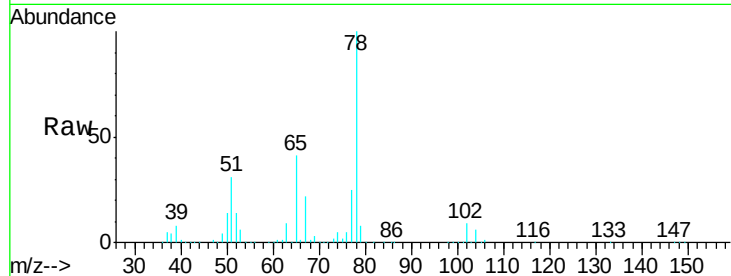
#33
 1,2-Dichloroethane-d4
 Concen: 146.287 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064088.D
 Acq: 29 Oct 2019 14:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	325492		
67	53.0	0.0	104.6	

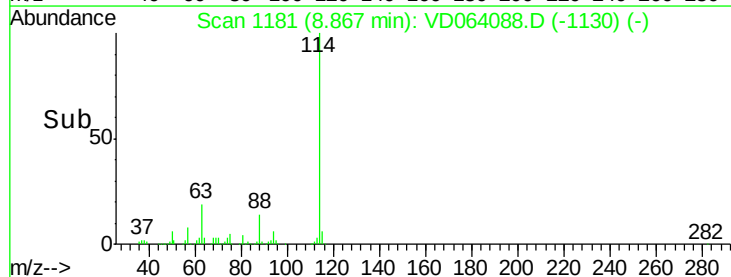
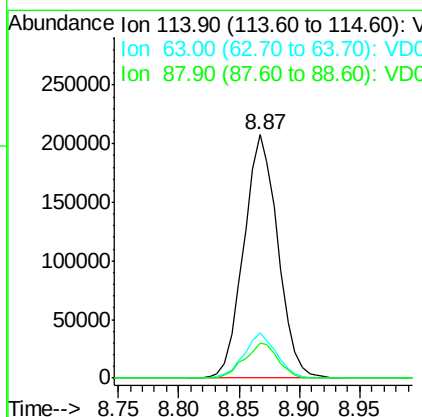
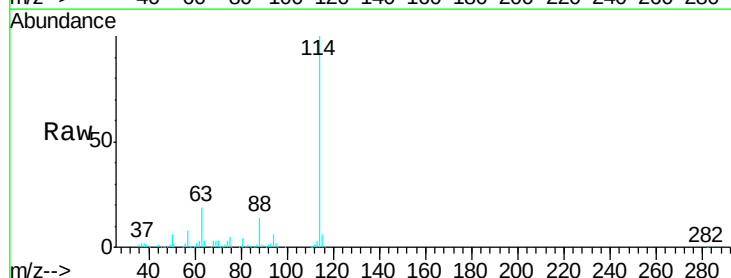
Manual Integrations
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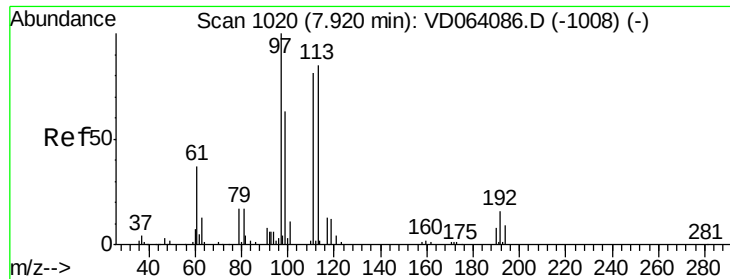
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064088.D
 Acq: 29 Oct 2019 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	408480		
63	18.5	0.0	32.8	
88	14.2	0.0	27.6	





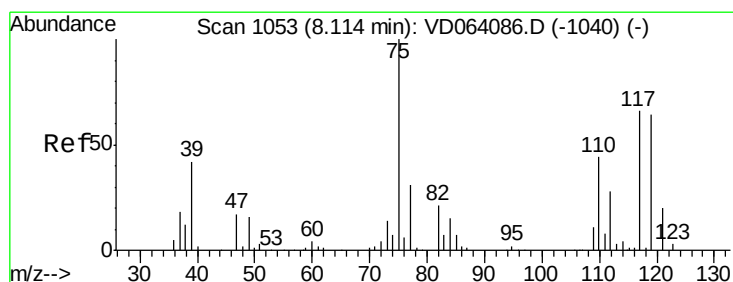
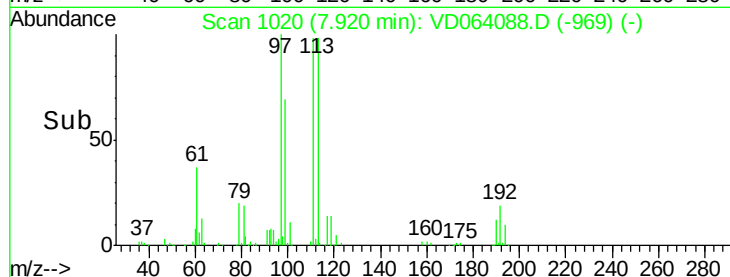
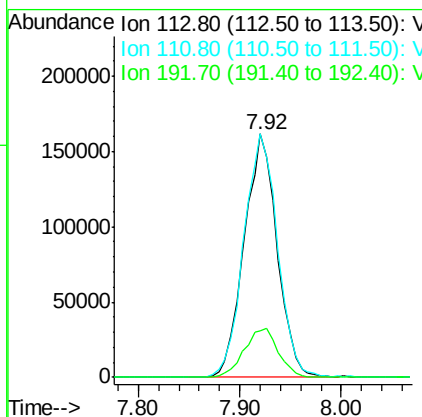
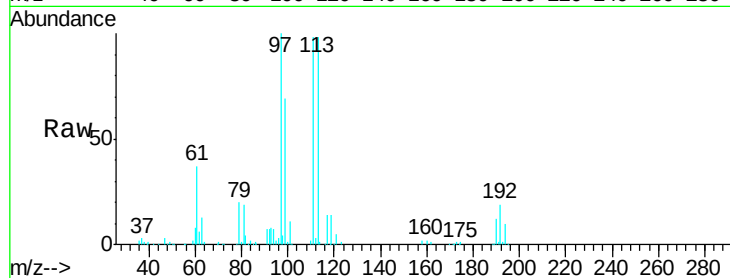
#35
Dibromofluoromethane
Concen: 145.219 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	364948		
111	102.7	79.3	118.9	
192	20.8	16.2	24.2	

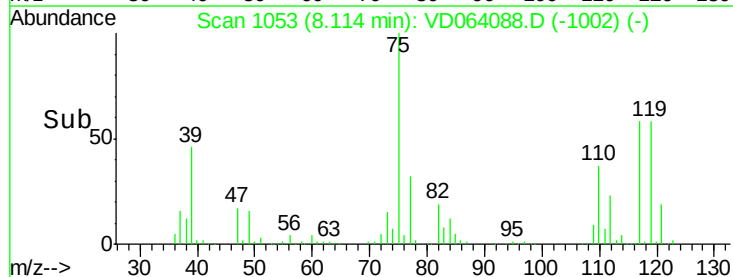
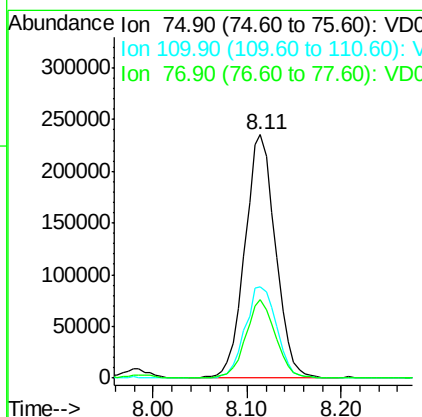
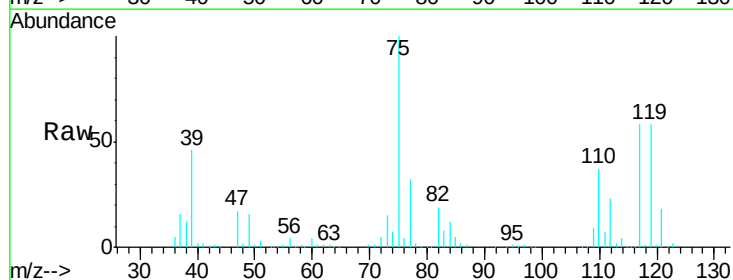
Manual Integrations
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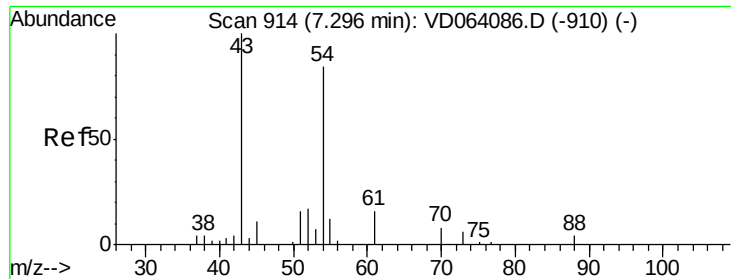
MMDadoda
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#36
1,1-Dichloropropene
Concen: 138.653 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	530707		
110	38.7	20.0	59.9	
77	31.4	24.7	37.1	





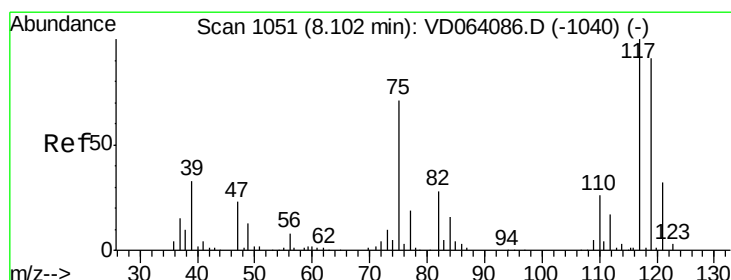
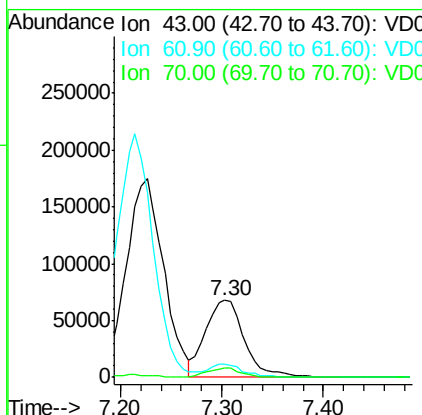
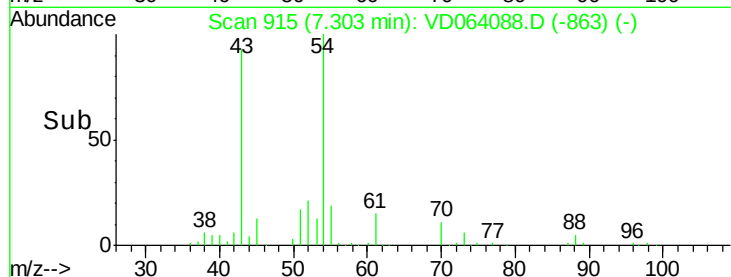
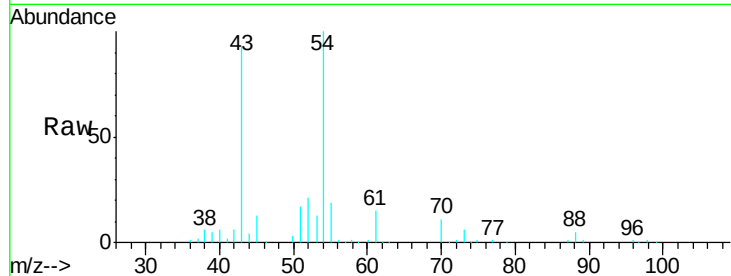
#37
Ethyl Acetate
Concen: 151.312 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 178265
Ion Ratio Lower Upper
43 100
61 15.4 12.0 18.0
70 10.8 3.8 5.6#

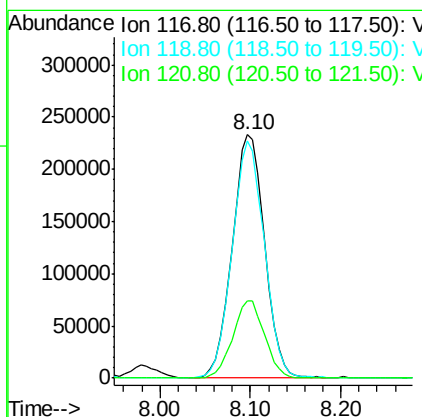
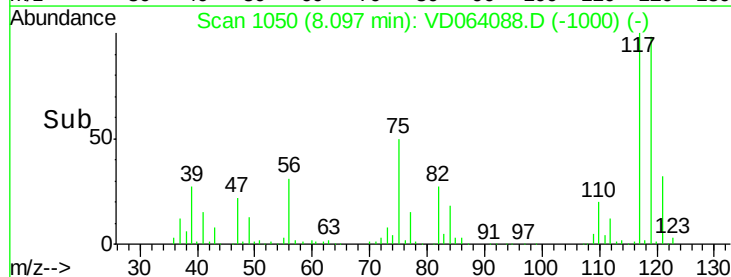
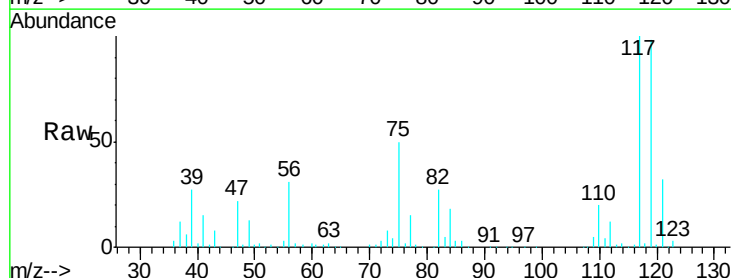
Manual Integrations
APPROVED

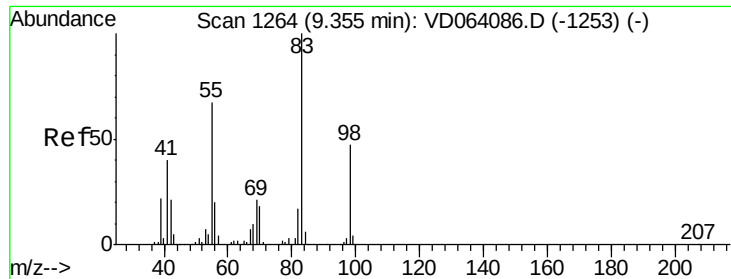
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#38
Carbon Tetrachloride
Concen: 137.878 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Tgt Ion: 117 Resp: 575797
Ion Ratio Lower Upper
117 100
119 97.7 72.6 108.8
121 31.9 25.8 38.6





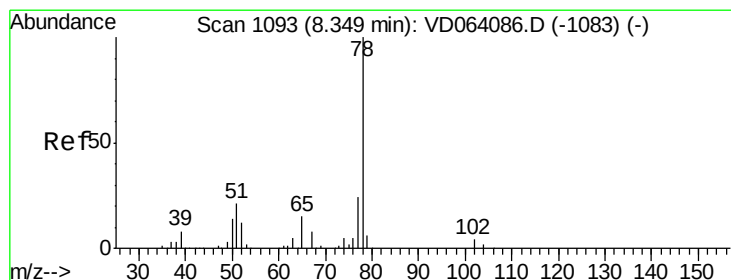
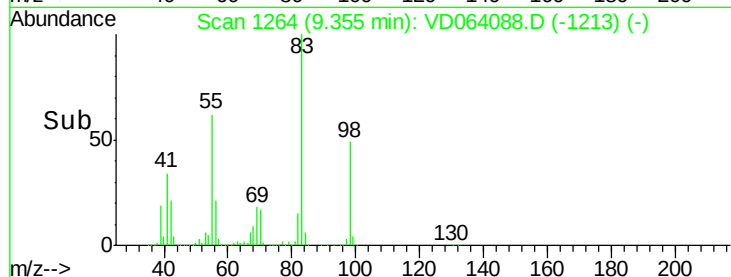
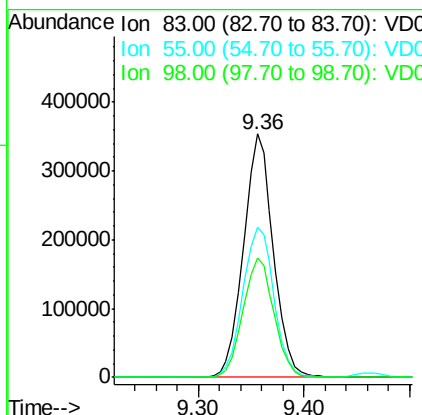
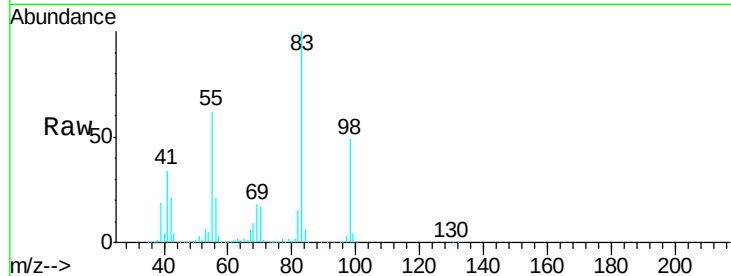
#39
Methylcyclohexane
Concen: 147.306 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
83	100		
55	61.8	53.4	80.0
98	48.9	37.8	56.6

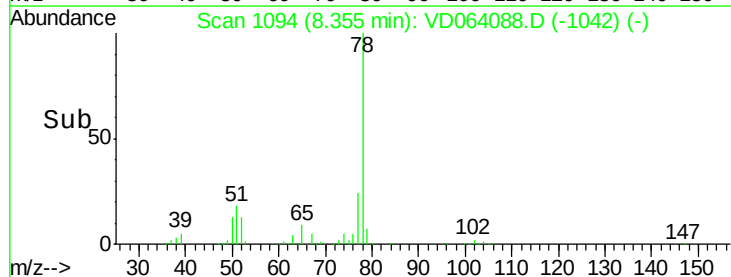
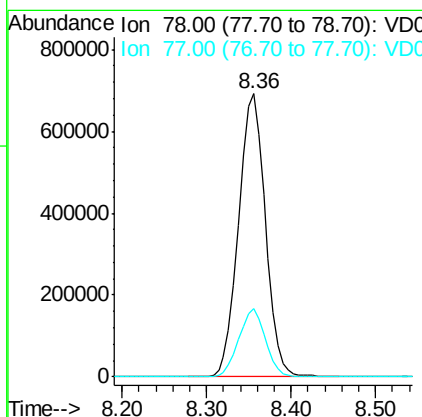
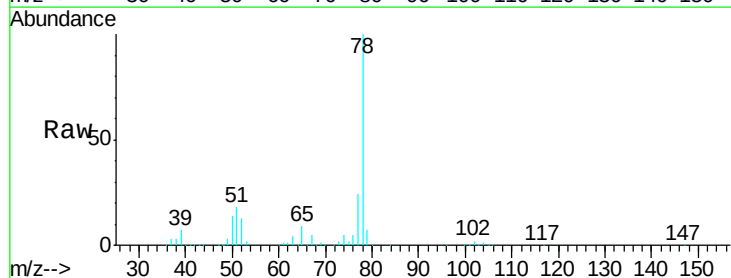
Manual Integrations
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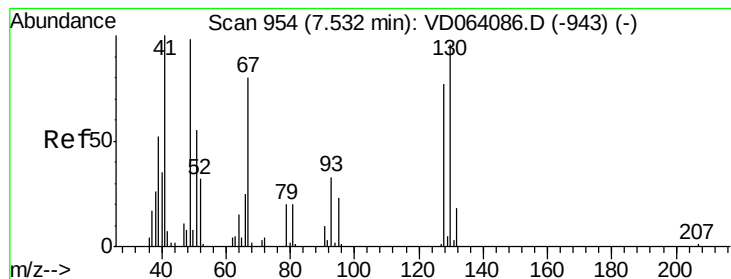
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#40
Benzene
Concen: 145.950 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





#41

Methacrylonitrile

Concen: 146.792 ug/l m

RT: 7.54 min Scan# 956

Delta R.T. 0.01 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 117361
Ion Ratio Lower Upper

41 100

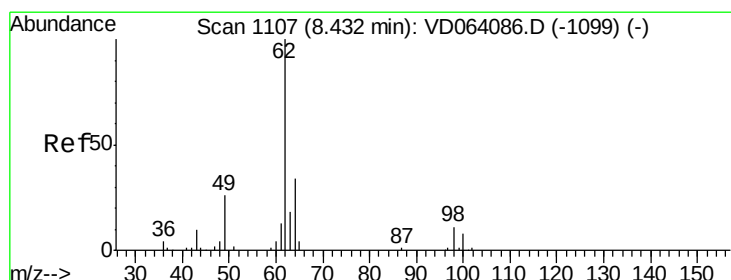
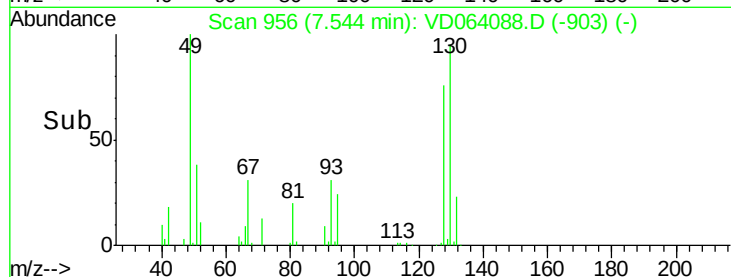
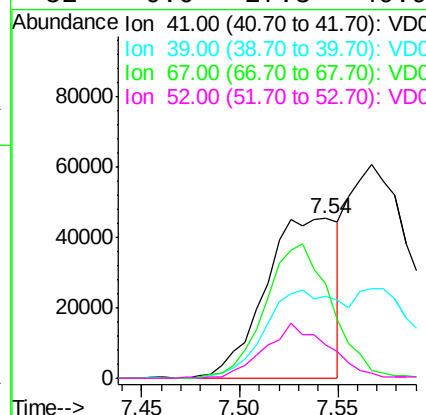
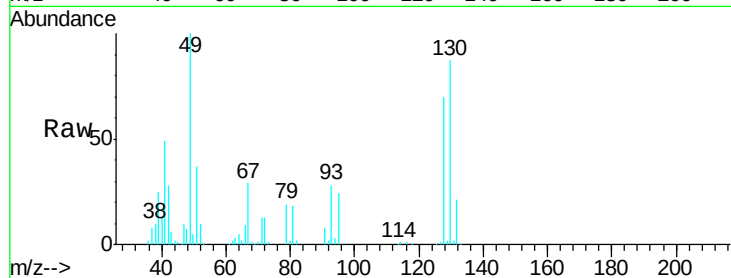
39 45.3 41.0 61.4

67 0.0 73.4 110.0#

52 0.0 27.3 40.9#

Manual Integrations
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10/30/2019 10:58:27 AM



#42

1,2-Dichloroethane

Concen: 141.572 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

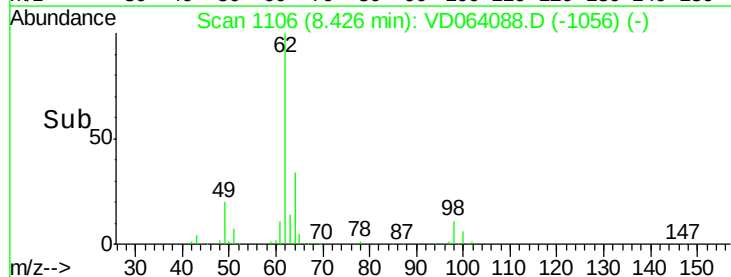
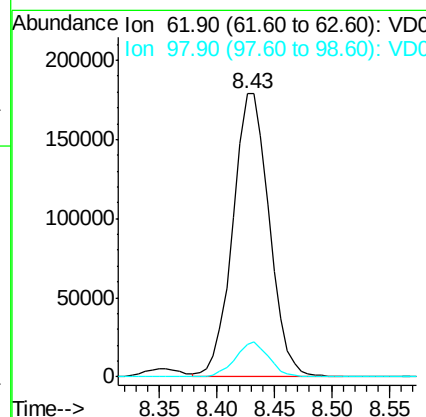
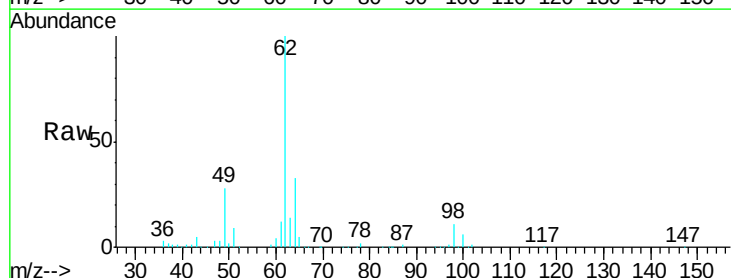
Lab File: VD064088.D

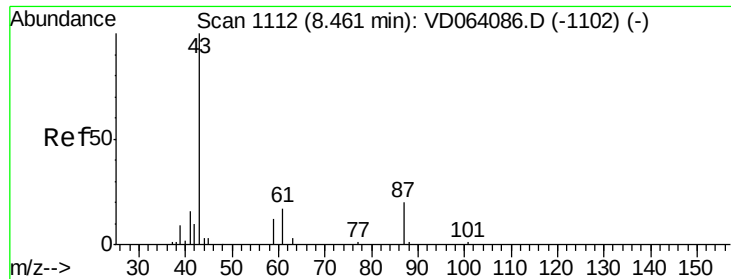
Acq: 29 Oct 2019 14:32

Tgt Ion: 62 Resp: 390331
Ion Ratio Lower Upper

62 100

98 11.5 0.0 21.0





#43

Isopropyl Acetate

Concen: 152.834 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA_D

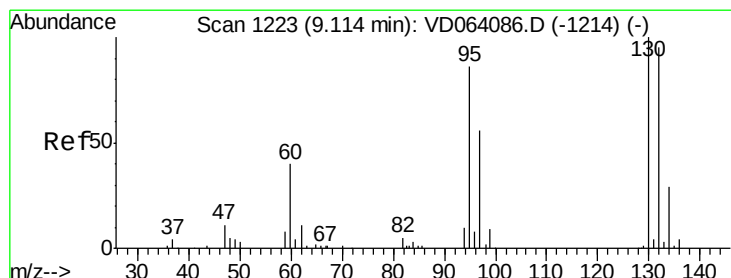
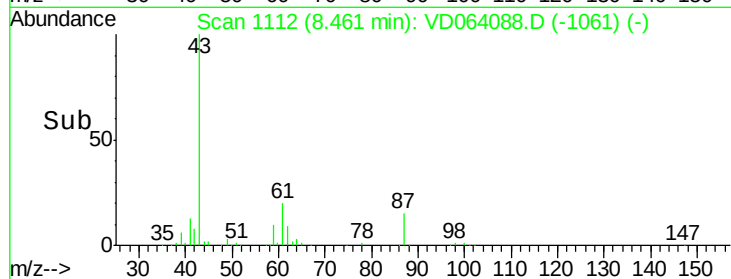
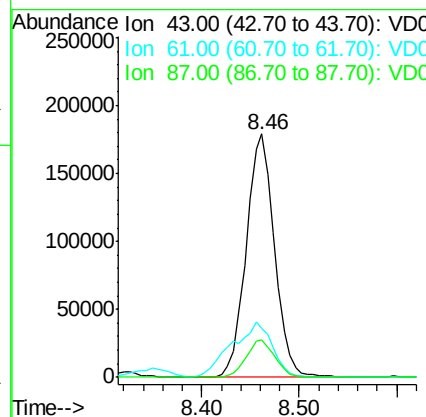
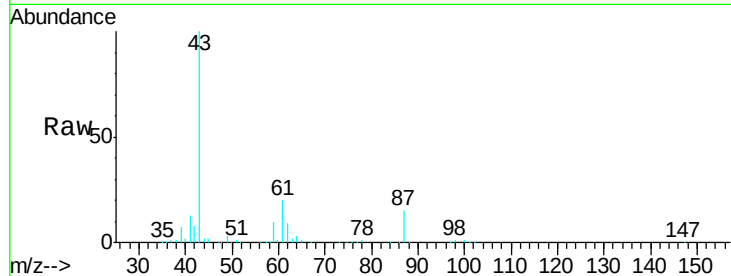
ClientSampleId :

VSTDIC150

Tgt Ion:	43	Resp:	363889
Ion	Ratio	Lower	Upper
43	100		
61	32.5	25.8	38.8
87	15.6	13.0	19.4

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#44

Trichloroethene

Concen: 142.699 ug/l

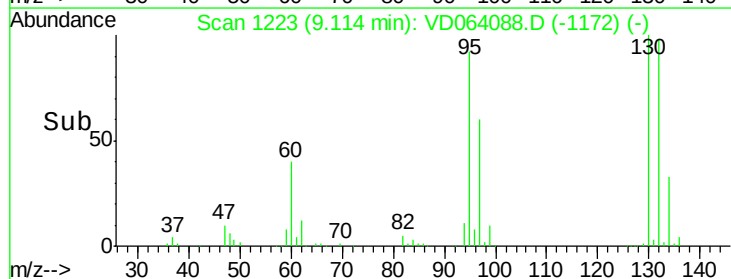
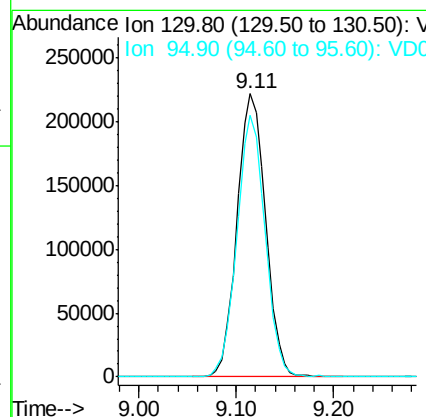
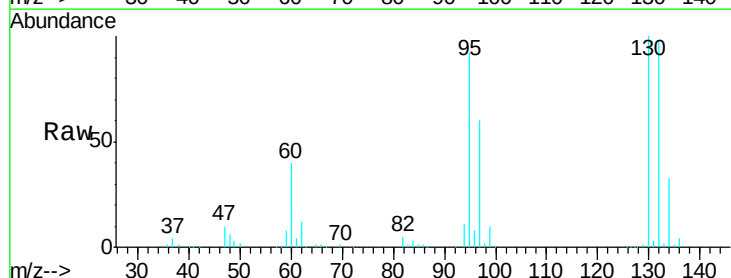
RT: 9.11 min Scan# 1223

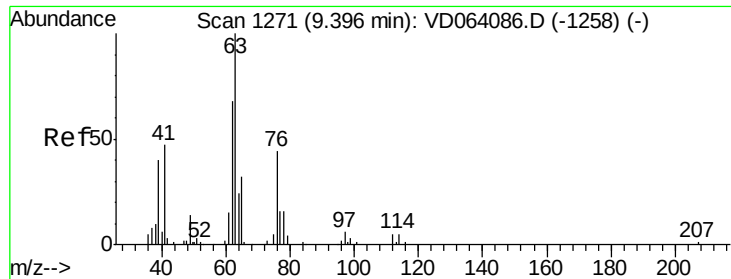
Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Tgt Ion:	130	Resp:	451438
Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	173.0





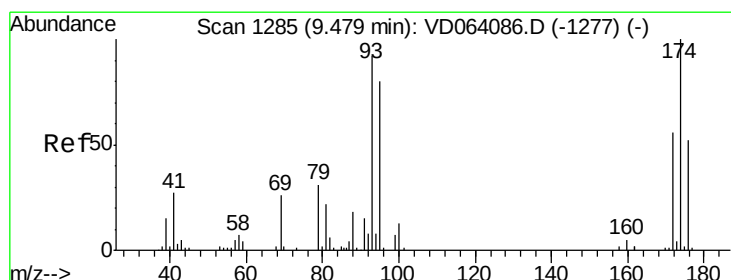
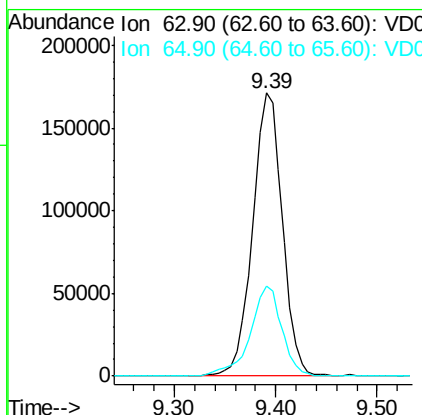
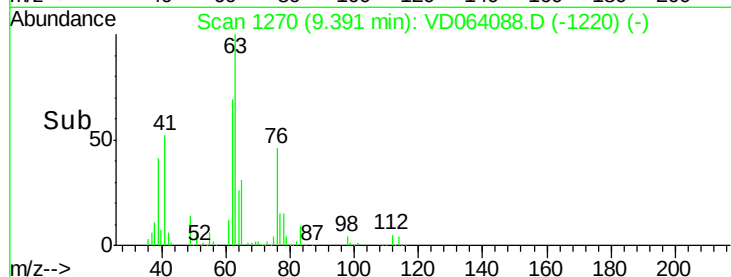
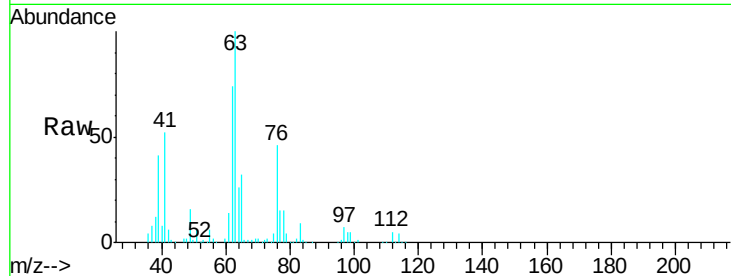
#45
 1,2-Dichloropropane
 Concen: 145.221 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD064088.D
 Acq: 29 Oct 2019 14:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 63 Resp: 351281
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.8 38.8

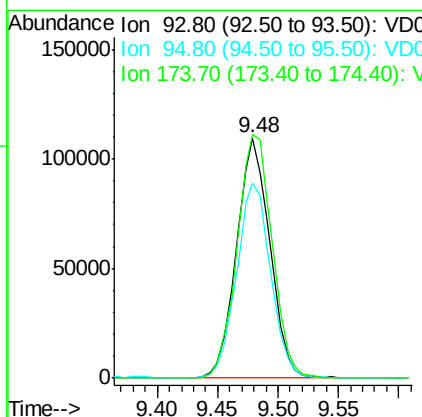
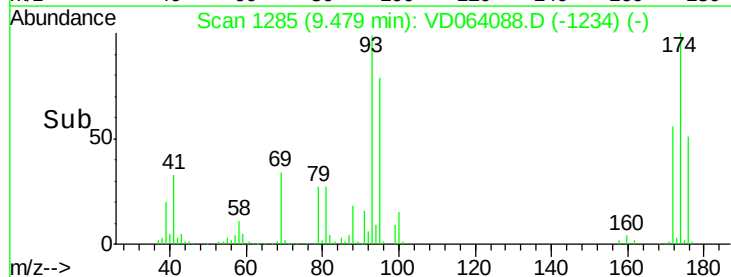
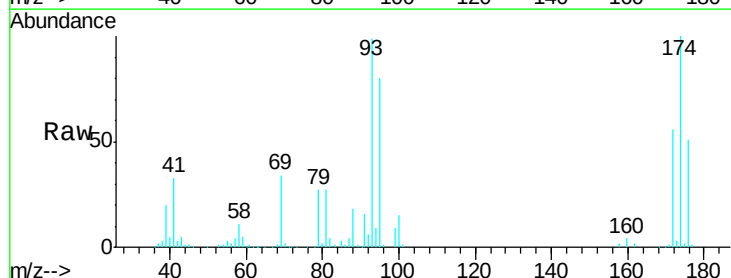
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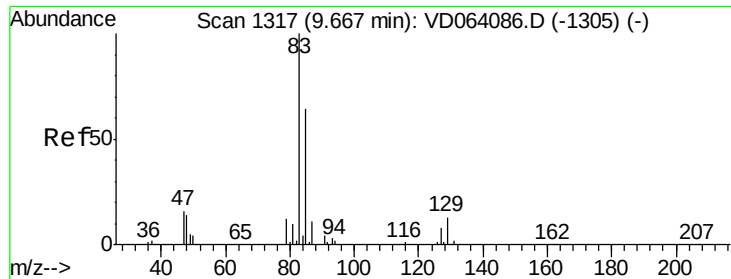
MMDadoda
 10/30/2019 10:58:27 AM



#46
 Dibromomethane
 Concen: 144.618 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064088.D
 Acq: 29 Oct 2019 14:32

Tgt Ion: 93 Resp: 210685
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.4 101.2
 174 107.1 86.4 129.6





#47

Bromodichloromethane

Concen: 146.811 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA_D

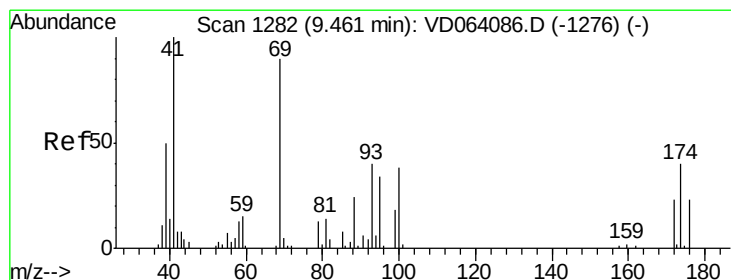
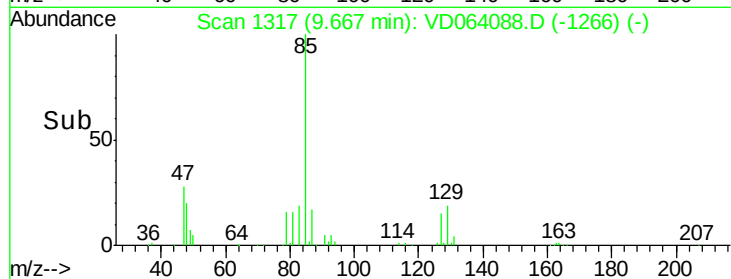
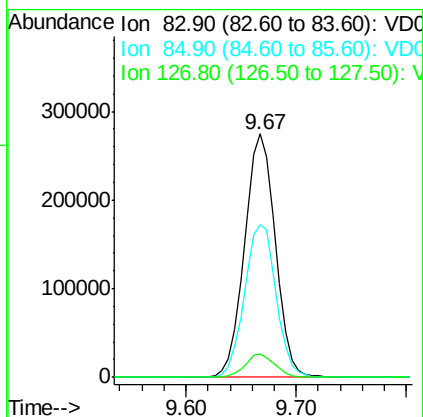
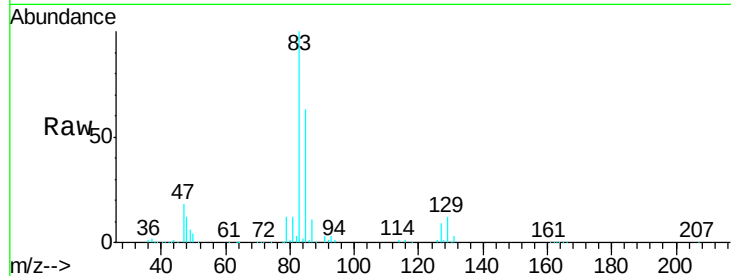
ClientSampleId :

VSTDIC150

Tgt Ion:	83	Resp:	539569
Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.4	77.0
127	9.5	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 156.442 ug/l

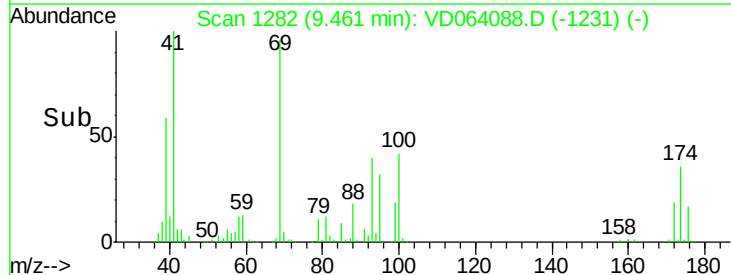
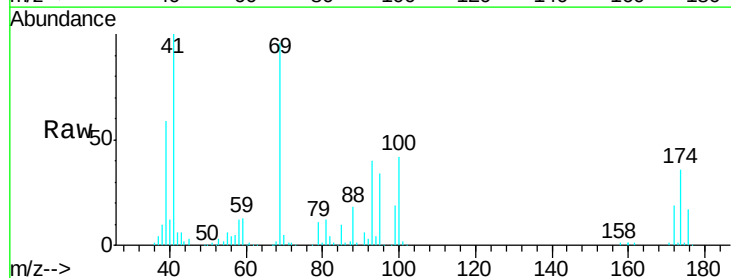
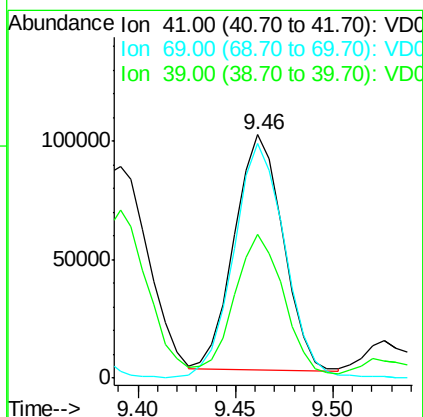
RT: 9.46 min Scan# 1282

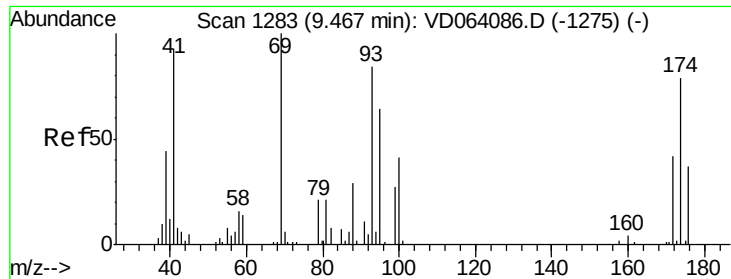
Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Tgt Ion:	41	Resp:	172249
Ion	Ratio	Lower	Upper
41	100		
69	105.1	82.6	124.0
39	59.2	47.0	70.4





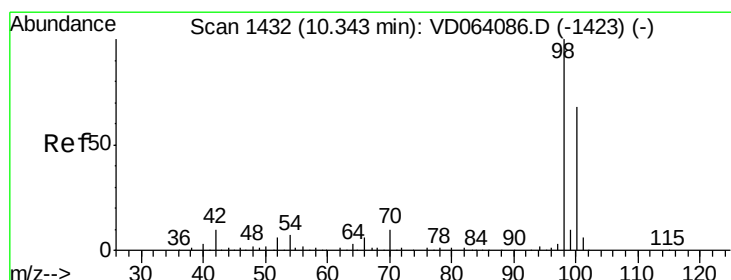
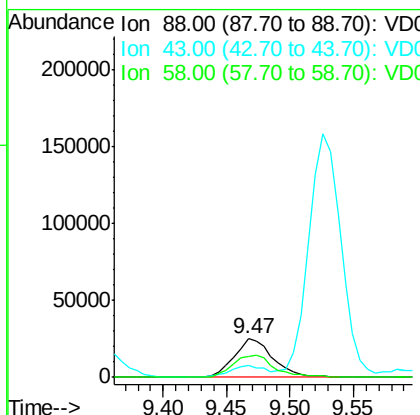
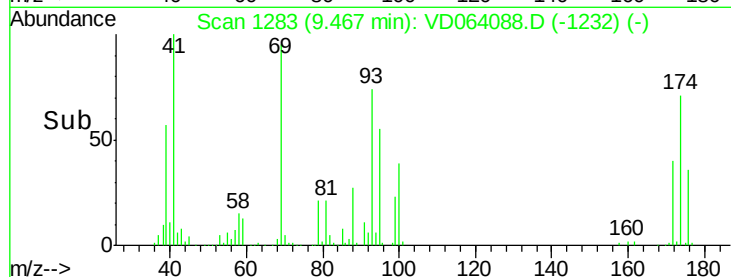
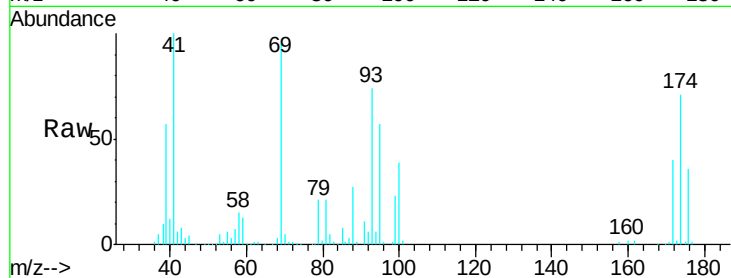
#49
1,4-Dioxane
Concen: 3176.300 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
88	100		
43	27.7	13.4	20.0#
58	62.3	46.7	70.1

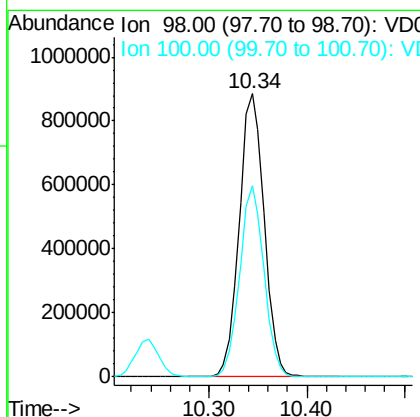
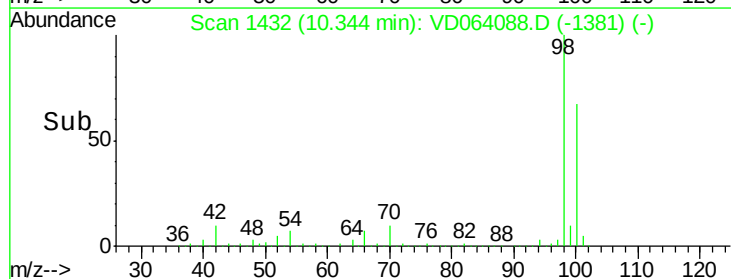
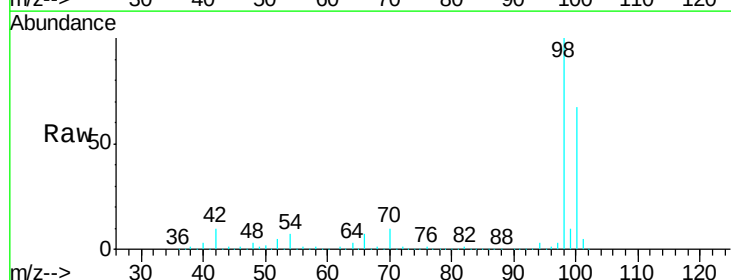
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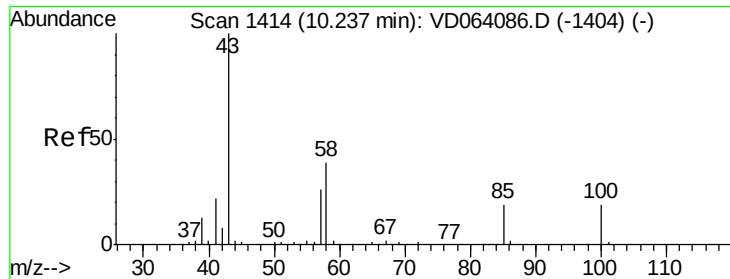
MMDadoda
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#50
Toluene-d8
Concen: 156.360 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.4	80.0





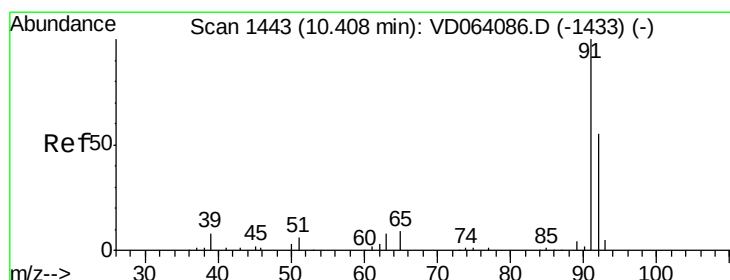
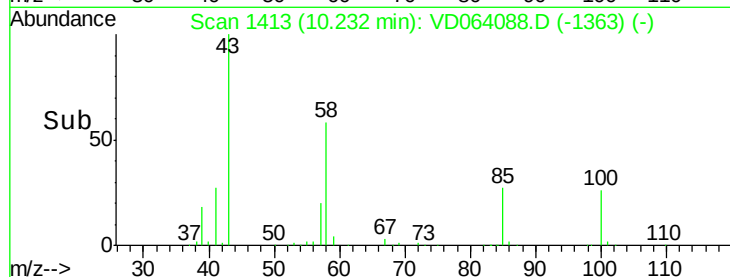
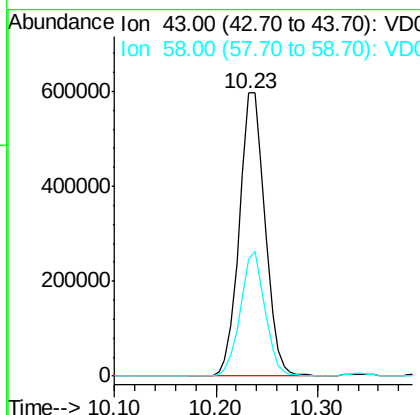
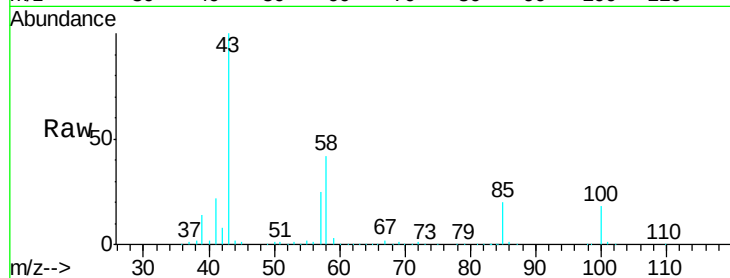
#51
 4-Methyl-2-Pentanone
 Concen: 814.673 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD064088.D
 Acq: 29 Oct 2019 14:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 43 Resp: 1055968
 Ion Ratio Lower Upper
 43 100
 58 42.2 33.0 49.4

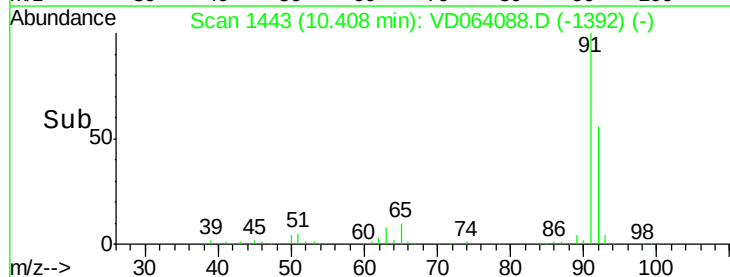
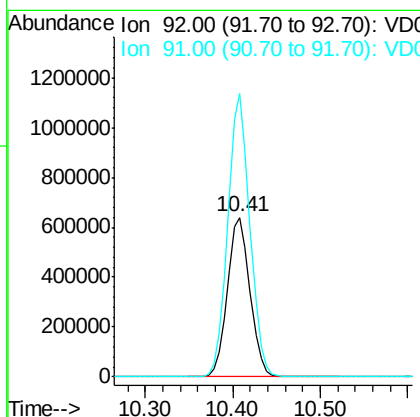
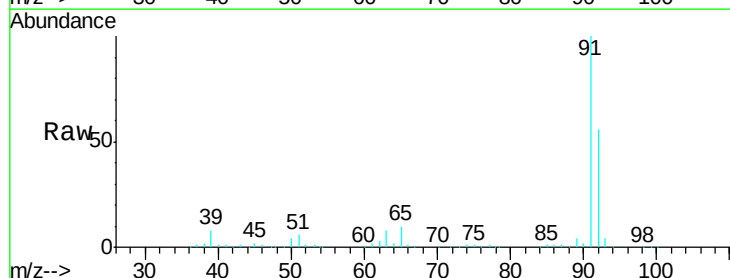
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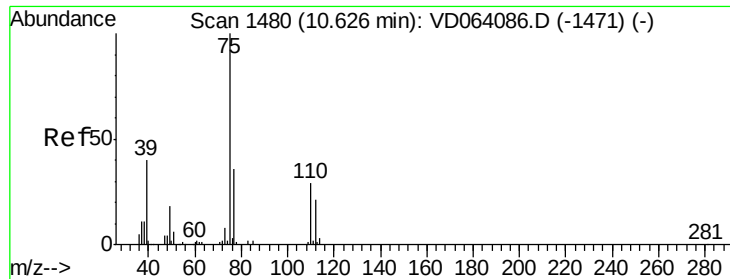
MMDadoda
 10/30/2019 10:58:27 AM



#52
 Toluene
 Concen: 154.130 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD064088.D
 Acq: 29 Oct 2019 14:32

Tgt Ion: 92 Resp: 1127418
 Ion Ratio Lower Upper
 92 100
 91 173.6 140.7 211.1





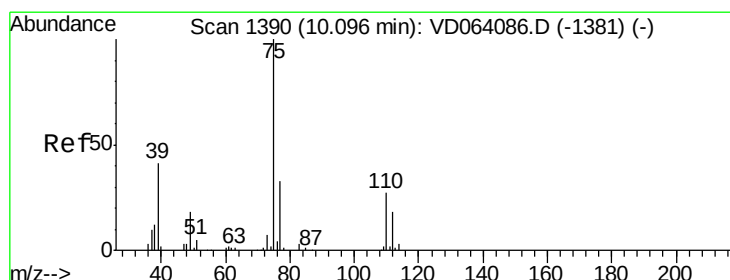
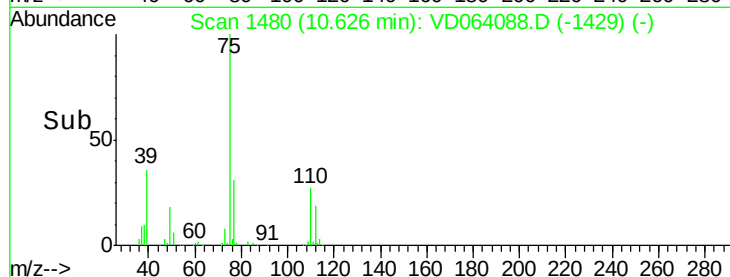
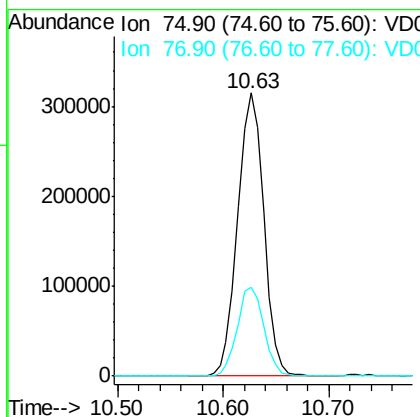
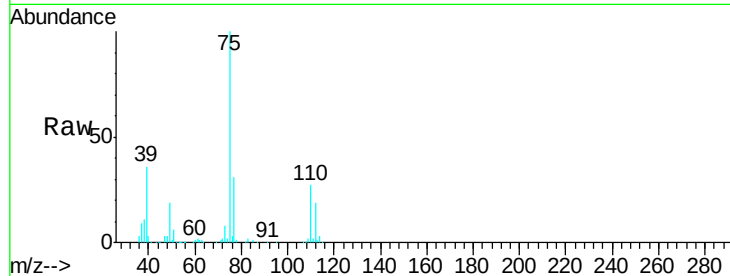
#53
t-1,3-Dichloropropene
Concen: 157.411 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 75 Resp: 540038
Ion Ratio Lower Upper
75 100
77 31.4 28.7 43.1

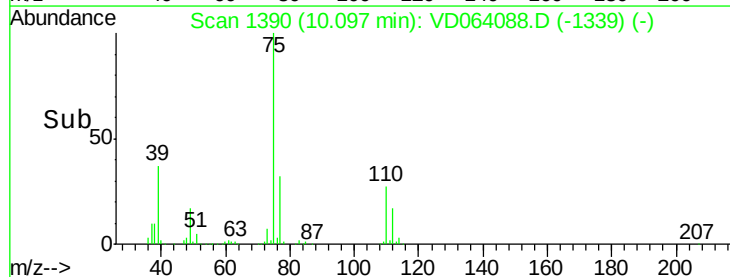
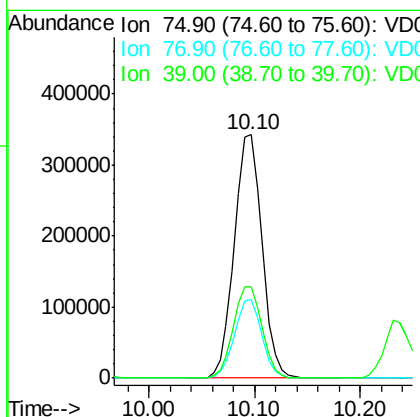
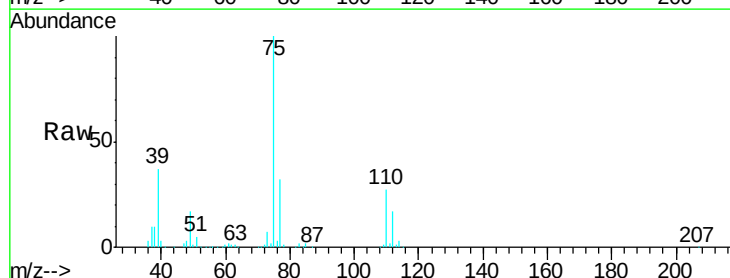
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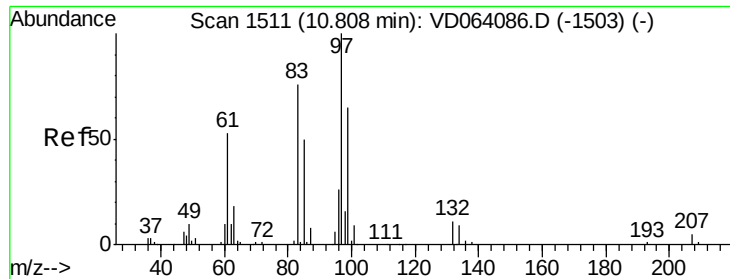
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 153.996 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Tgt Ion: 75 Resp: 621574
Ion Ratio Lower Upper
75 100
77 32.5 26.8 40.2
39 37.3 32.7 49.1





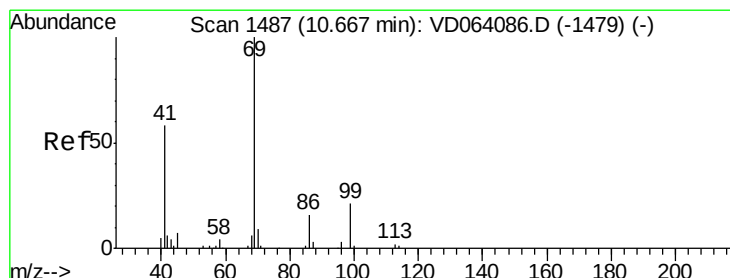
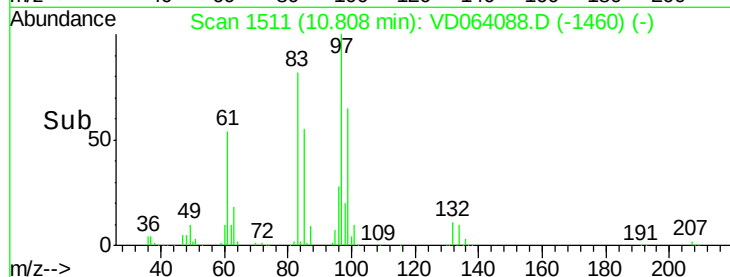
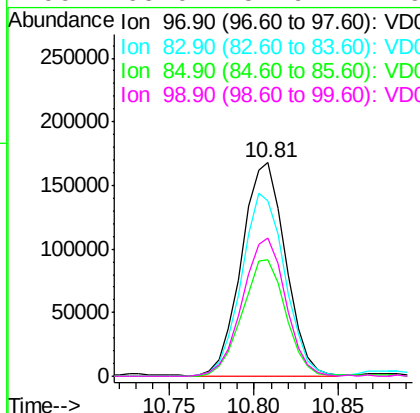
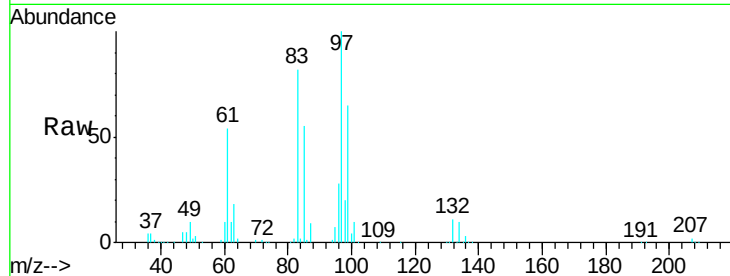
#55
 1,1,2-Trichloroethane
 Concen: 146.892 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD064088.D
 Acq: 29 Oct 2019 14:32

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	303406		
83	82.1	60.9	91.3	
85	54.5	40.2	60.2	
99	65.0	51.9	77.9	

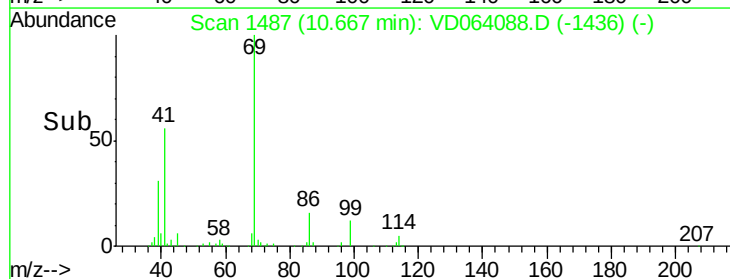
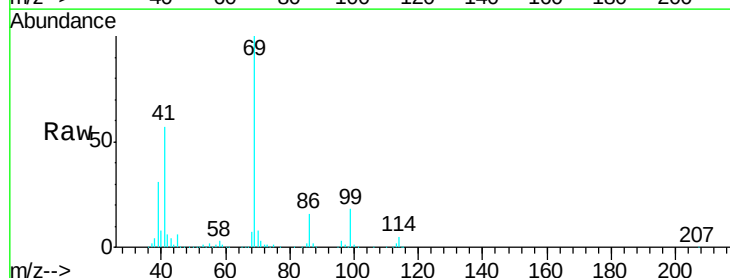
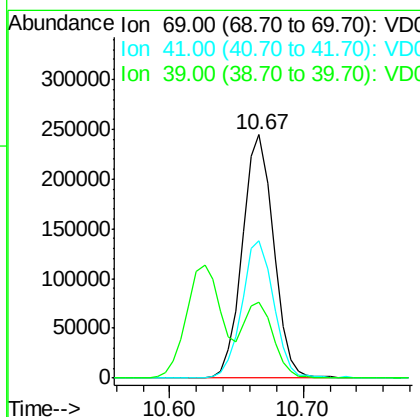
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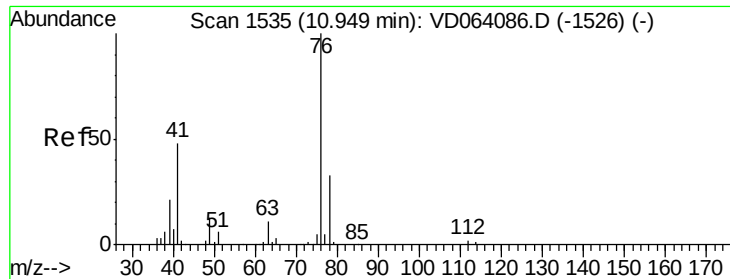
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 10/30/2019 10:58:27 AM



#56
 Ethyl methacrylate
 Concen: 175.807 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064088.D
 Acq: 29 Oct 2019 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	394300		
41	58.3	46.9	70.3	
39	29.0	27.3	40.9	





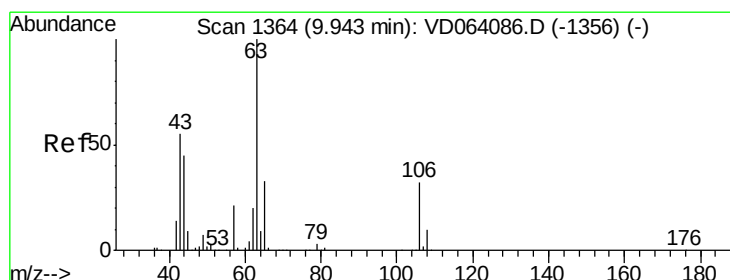
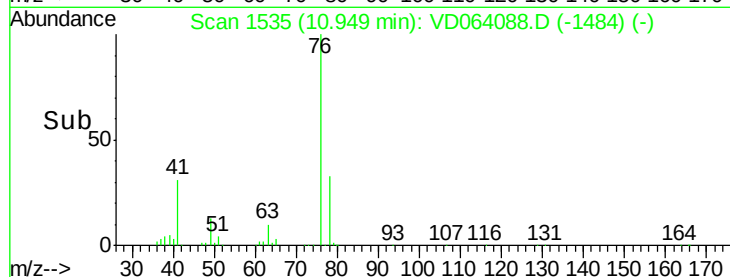
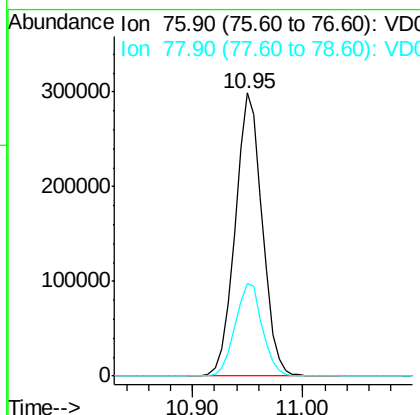
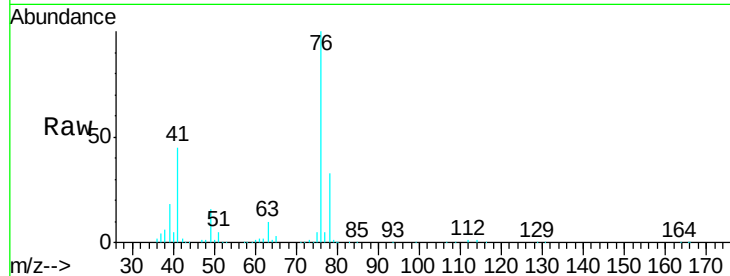
#57
 1,3-Dichloropropane
 Concen: 150.119 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064088.D
 Acq: 29 Oct 2019 14:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 76 Resp: 512804
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.9 38.9

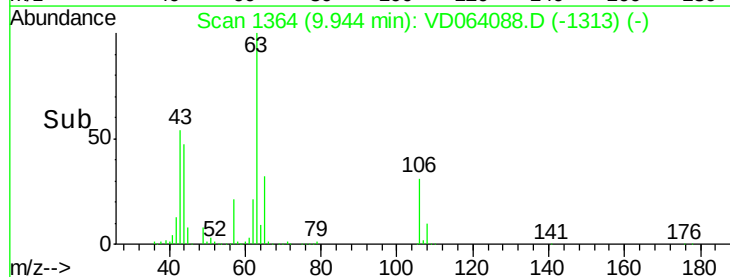
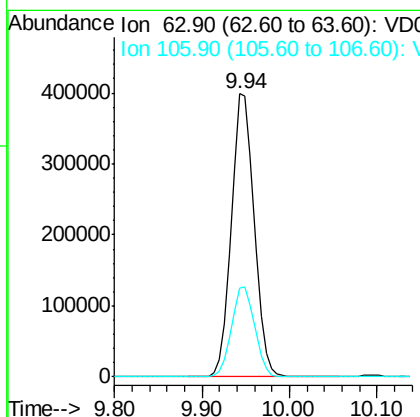
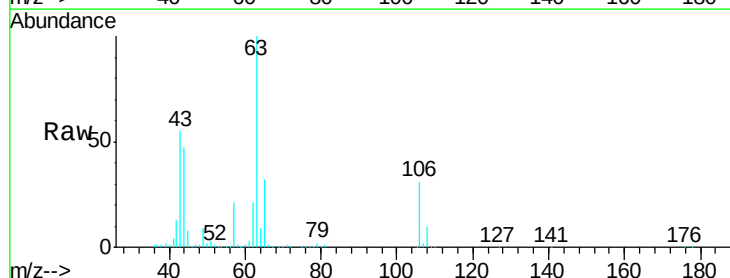
Manual Integrations
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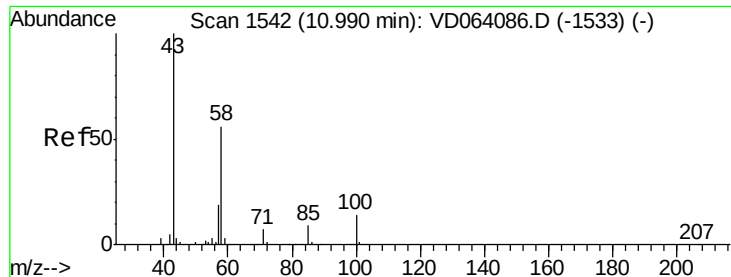
MMDadoda
 10/30/2019 10:58:27 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 779.708 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064088.D
 Acq: 29 Oct 2019 14:32

Tgt Ion: 63 Resp: 705563
 Ion Ratio Lower Upper
 63 100
 106 32.2 25.8 38.8





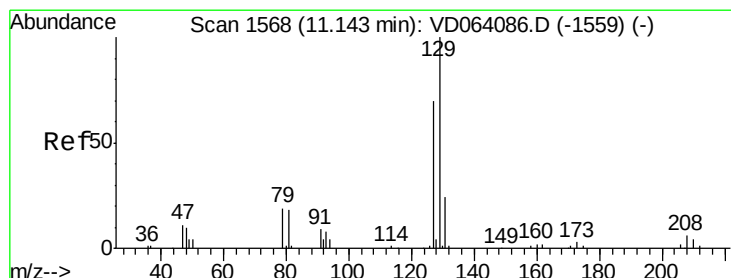
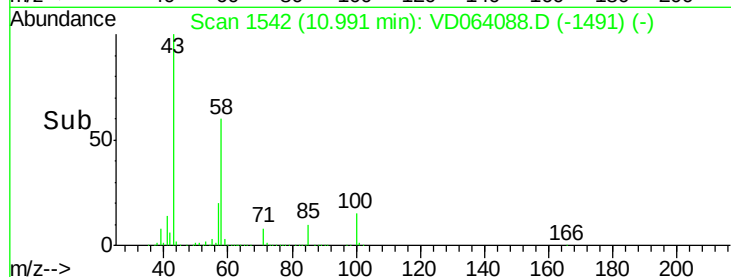
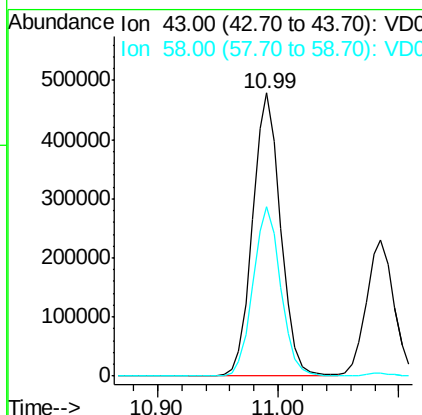
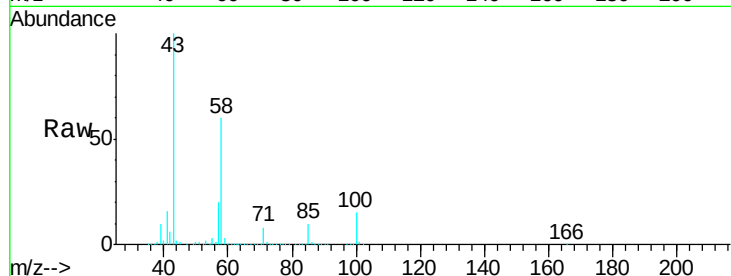
#59
2-Hexanone
Concen: 837.750 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 773877
Ion Ratio Lower Upper
43 100
58 59.4 29.2 87.6

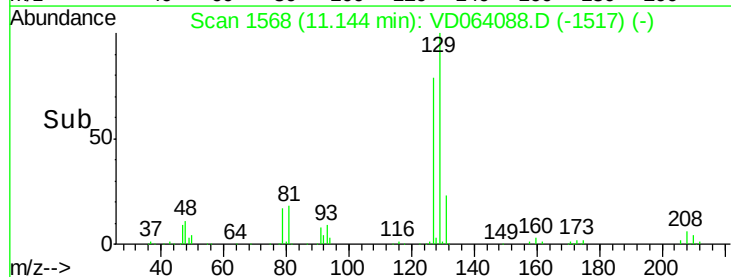
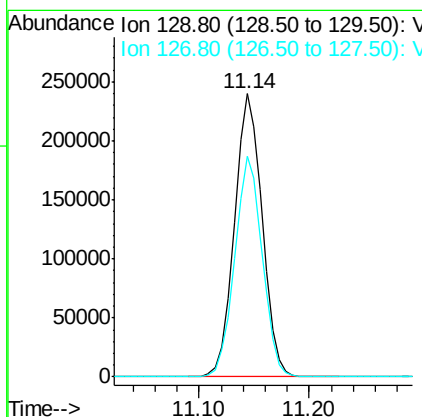
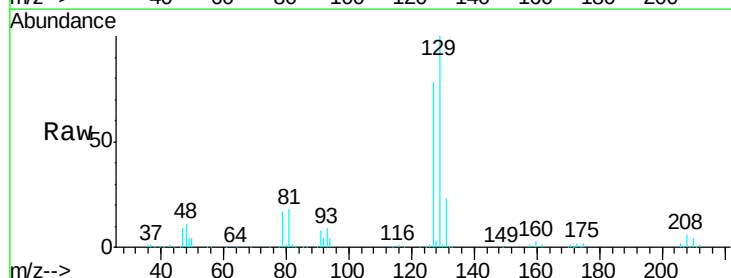
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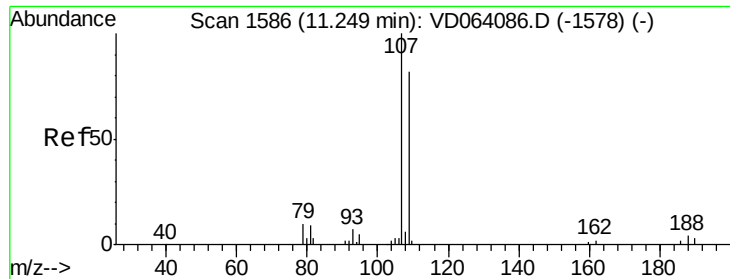
MMDadoda
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#60
Dibromochloromethane
Concen: 150.647 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Tgt Ion: 129 Resp: 422334
Ion Ratio Lower Upper
129 100
127 77.7 38.3 114.8





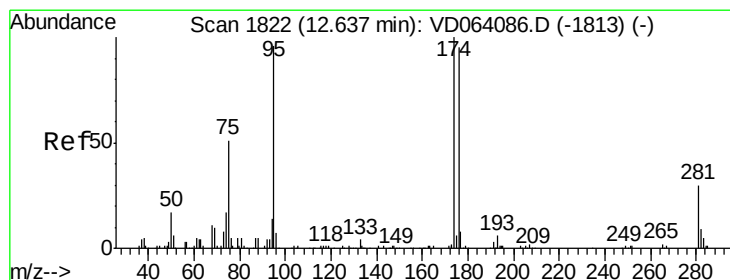
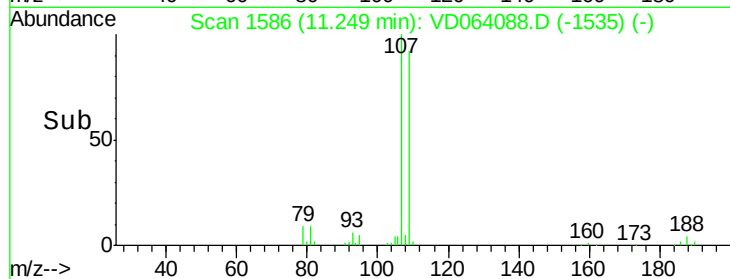
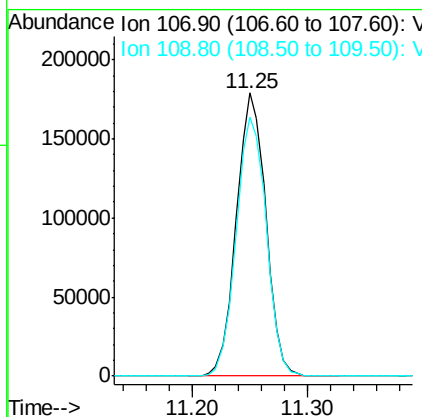
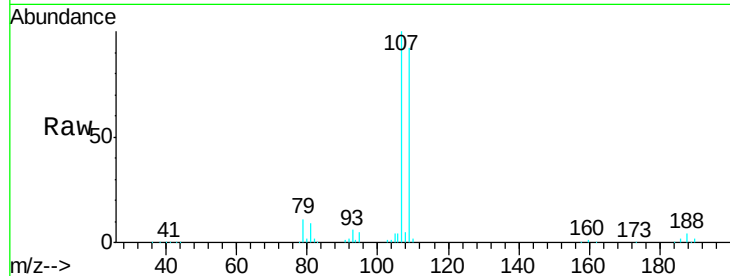
#61
 1,2-Dibromoethane
 Concen: 153.307 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064088.D
 Acq: 29 Oct 2019 14:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	316706		
109	93.6	73.0	109.4	

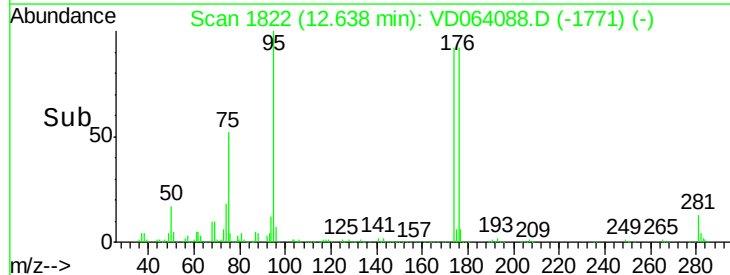
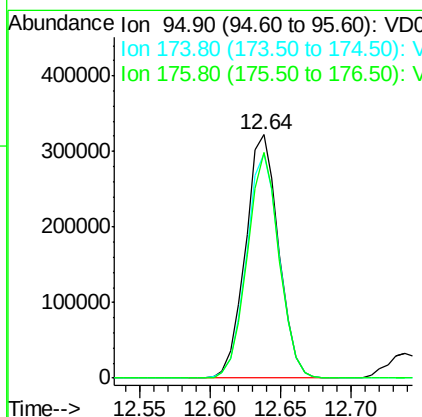
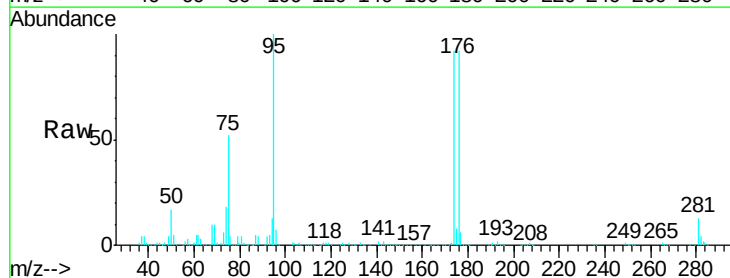
Manual Integrations
 APPROVED

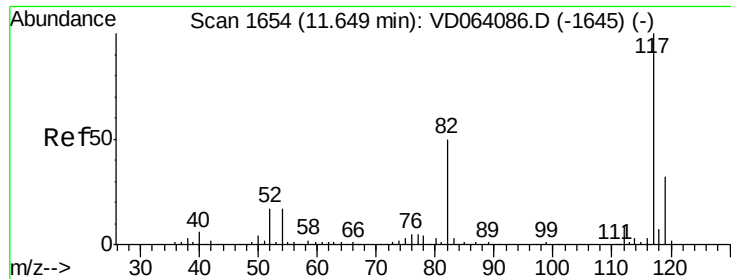
MMDadoda
 10/30/2019 10:58:27 AM



#62
 4-Bromofluorobenzene
 Concen: 158.871 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064088.D
 Acq: 29 Oct 2019 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	529352		
174	91.5	0.0	201.6	
176	89.6	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: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA_D

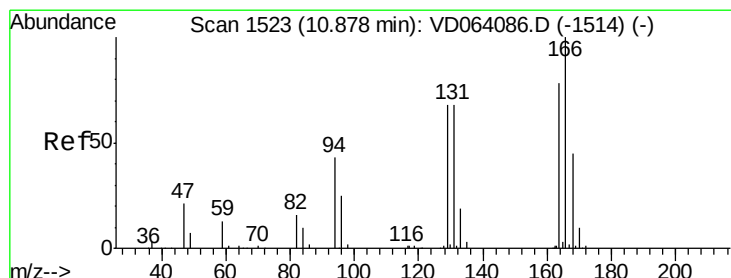
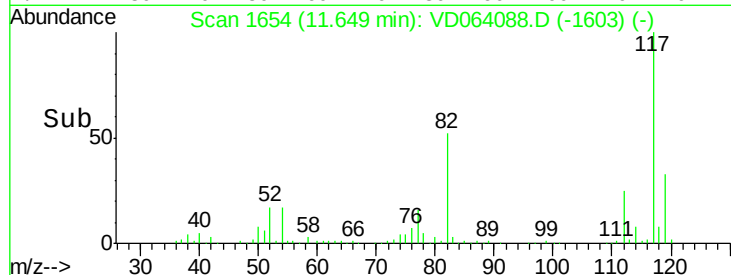
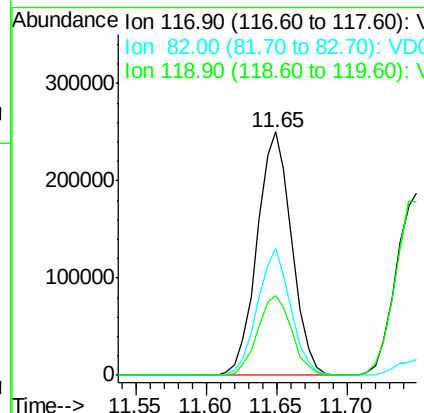
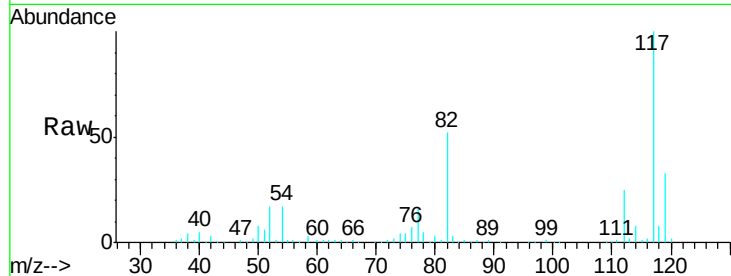
ClientSampleId :

VSTDIC150

Tgt Ion:	117	Resp:	430999
Ion Ratio		Lower	Upper
117	100		
82	52.0	40.2	60.4
119	32.8	26.0	39.0

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#64

Tetrachloroethene

Concen: 136.892 ug/l

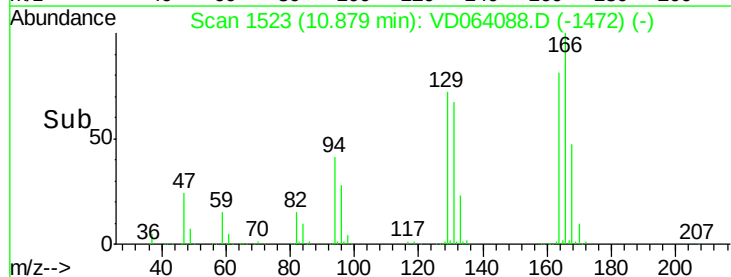
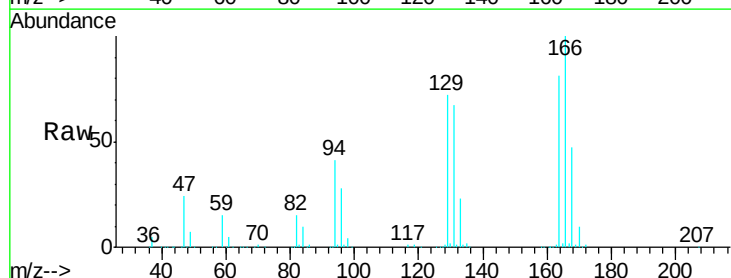
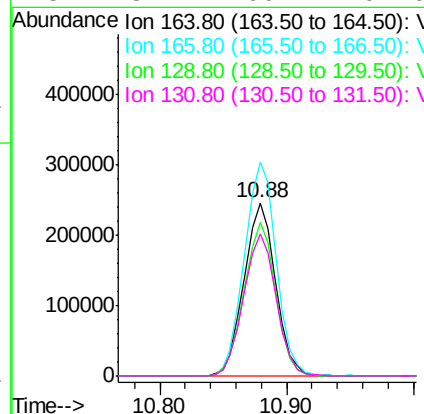
RT: 10.88 min Scan# 1523

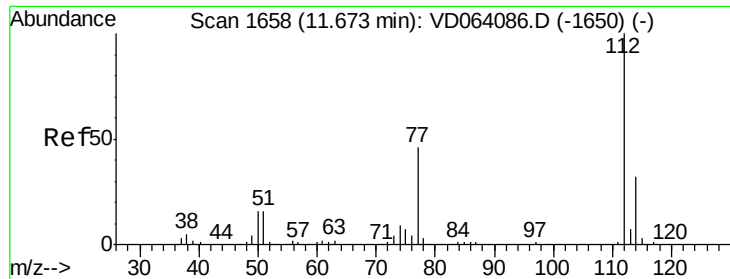
Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Tgt Ion:	164	Resp:	423861
Ion Ratio		Lower	Upper
164	100		
166	123.2	102.7	154.1
129	88.4	69.8	104.6
131	82.2	69.4	104.0





#65

Chlorobenzene

Concen: 142.471 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion:112 Resp: 1268767

Ion Ratio Lower Upper

112 100

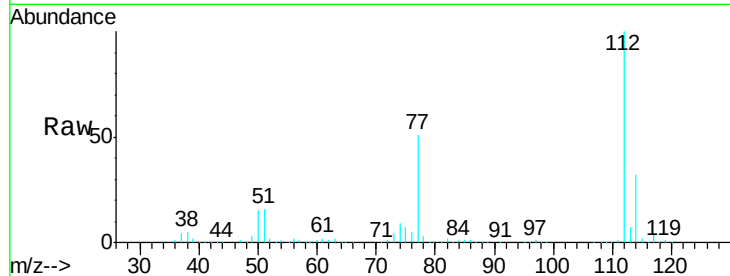
114 31.9 25.4 38.0

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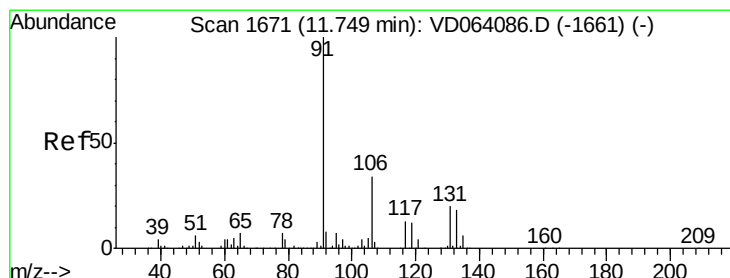
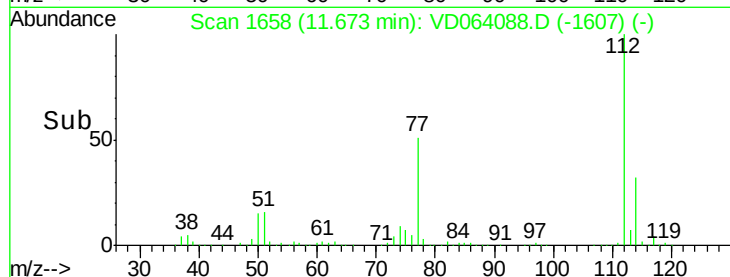
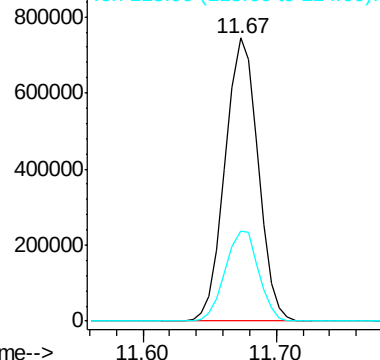
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 142.176 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

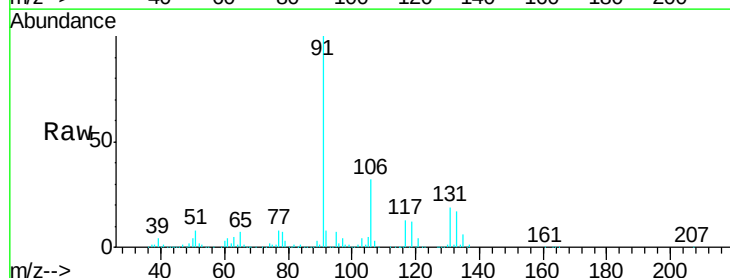
Tgt Ion:131 Resp: 473766

Ion Ratio Lower Upper

131 100

133 96.3 47.6 142.9

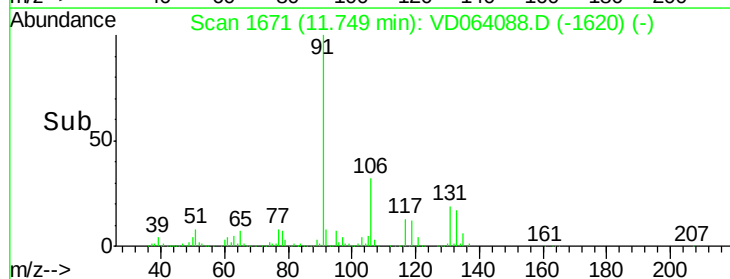
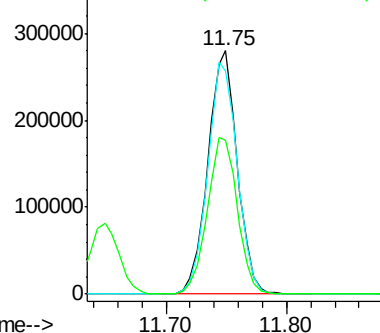
119 65.6 31.4 94.3

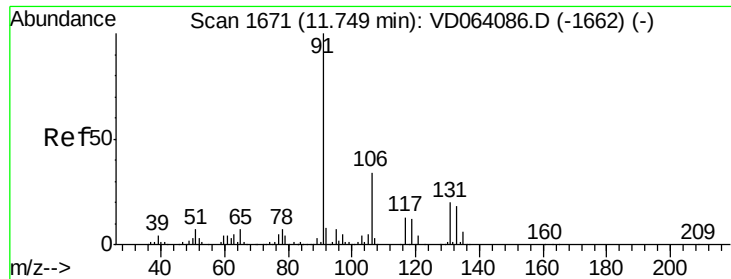


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 150.754 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 2387907

Ion Ratio Lower Upper

91 100

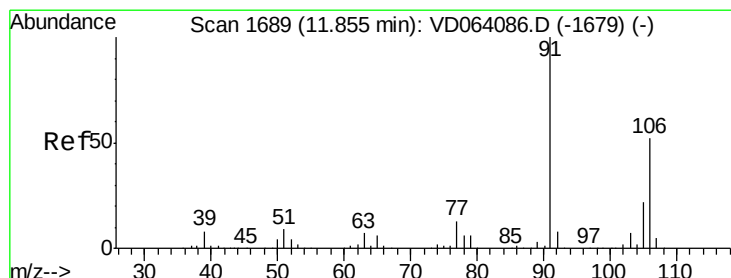
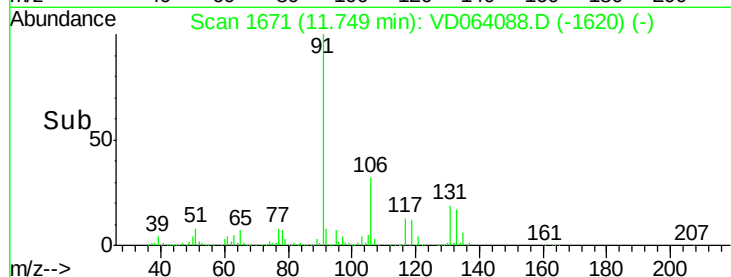
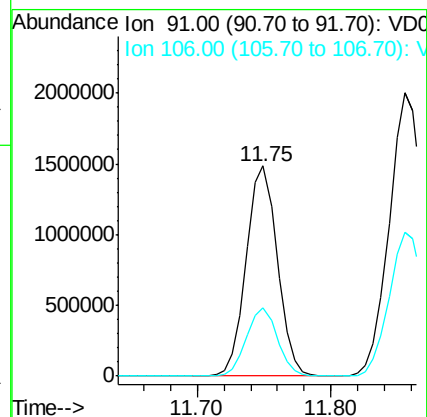
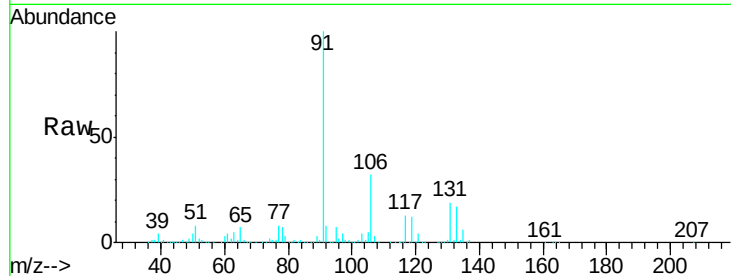
106 32.4 27.0 40.6

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#68

m/p-Xylenes

Concen: 294.640 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064088.D

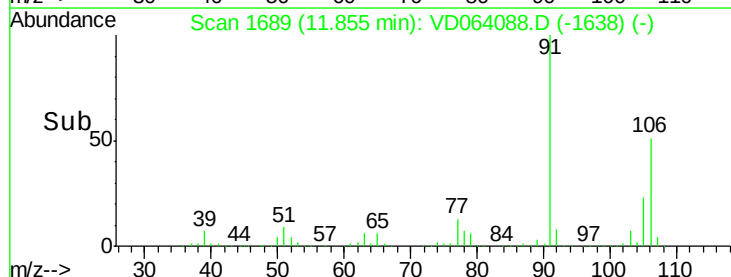
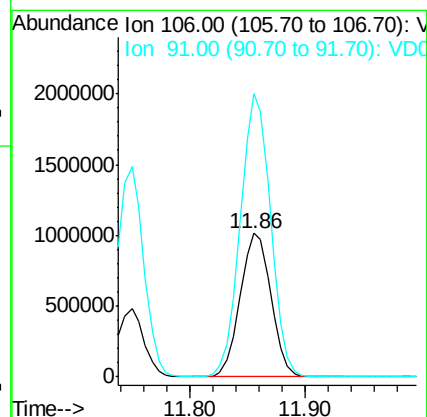
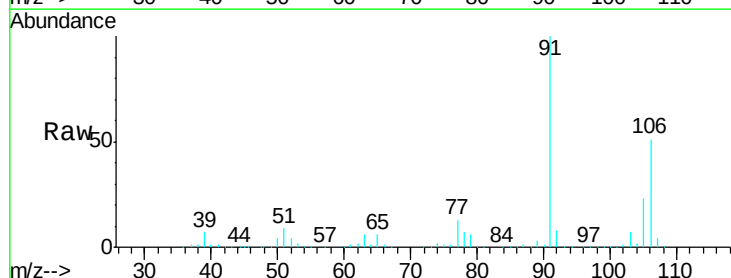
Acq: 29 Oct 2019 14:32

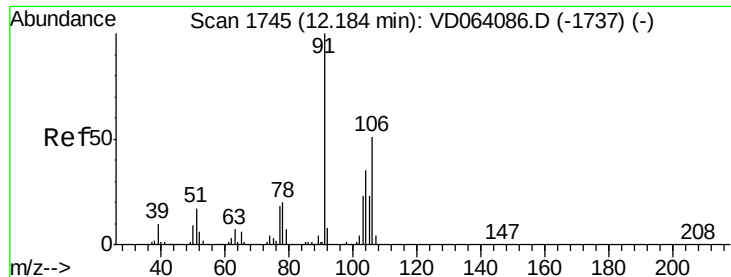
Tgt Ion: 106 Resp: 1877195

Ion Ratio Lower Upper

106 100

91 193.3 154.0 231.0





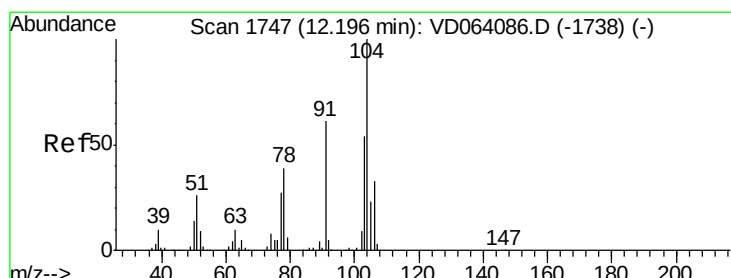
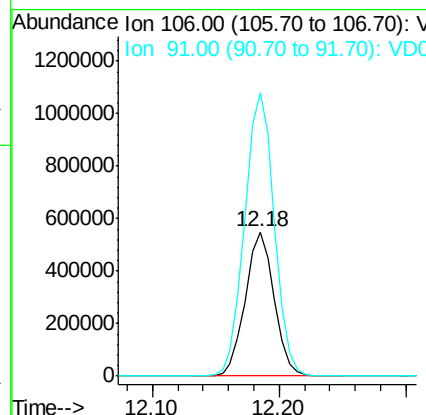
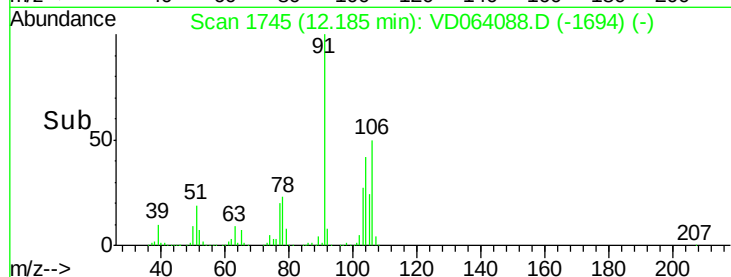
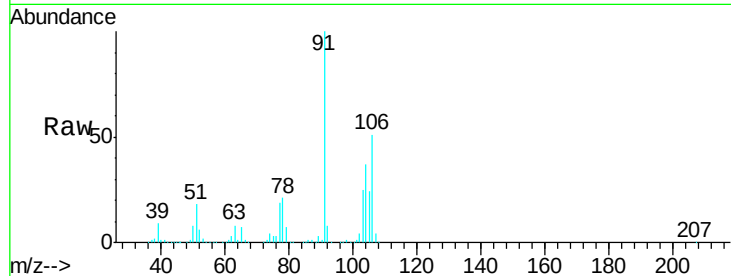
#69
o-Xylene
Concen: 148.745 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 864878
Ion Ratio Lower Upper
106 100
91 202.2 100.6 301.9

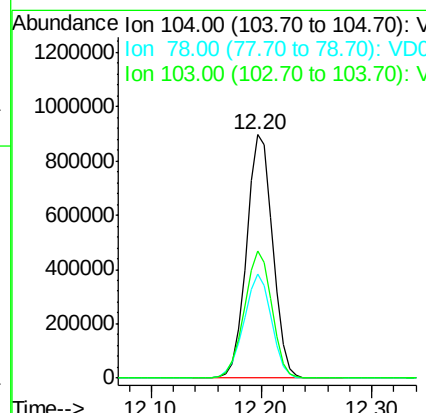
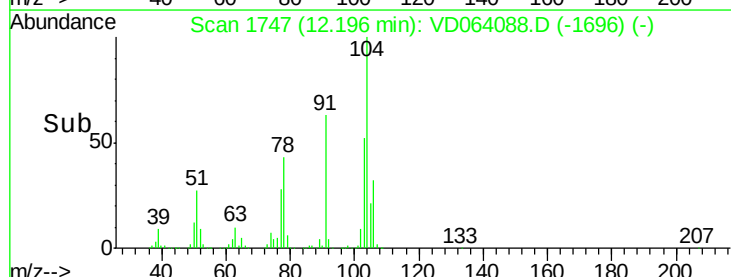
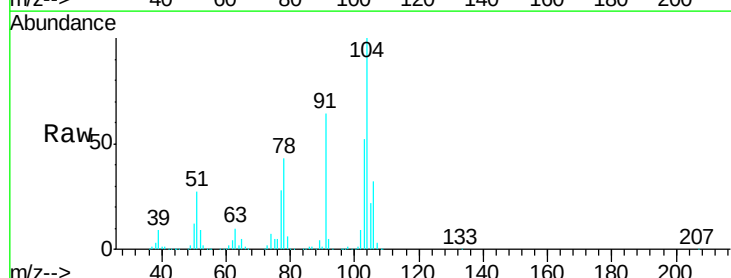
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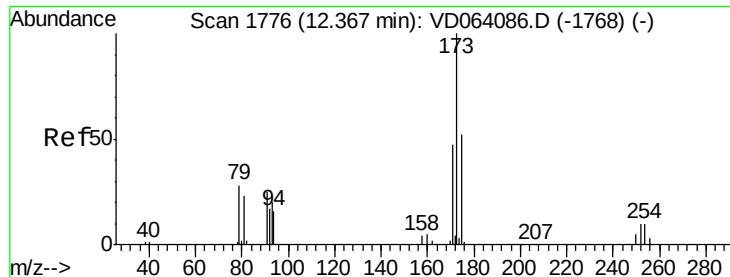
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#70
Styrene
Concen: 148.601 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Tgt Ion:104 Resp: 1490201
Ion Ratio Lower Upper
104 100
78 45.3 34.6 51.8
103 55.1 44.2 66.2





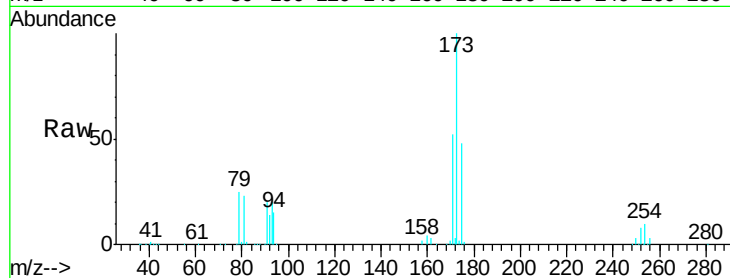
#71
Bromoform
Concen: 142.680 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

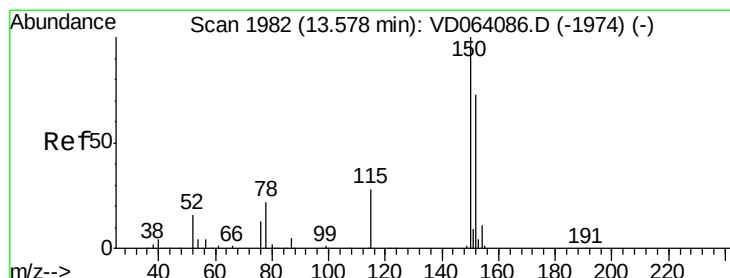
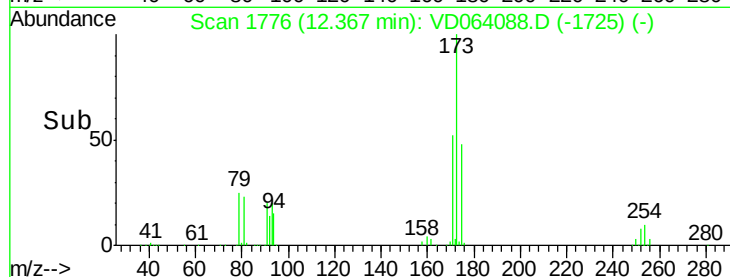
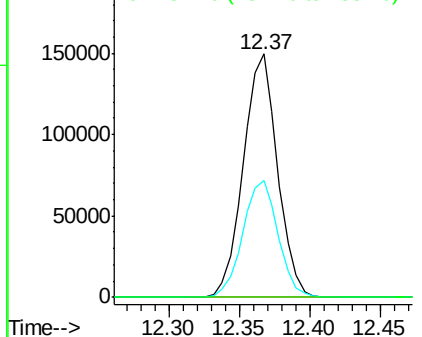
Tgt Ion	Ratio	Resp	Lower	Upper
173	100	253919		
175	49.3	24.3	72.9	
254	0.2	0.0	0.0#	

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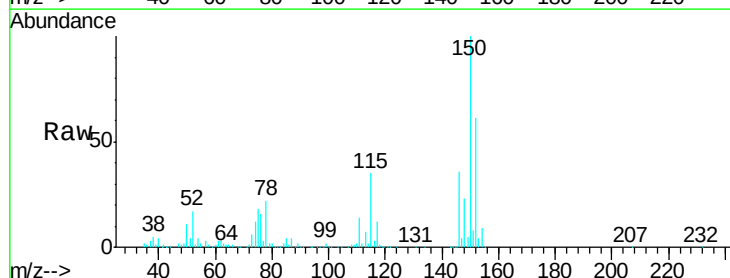


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

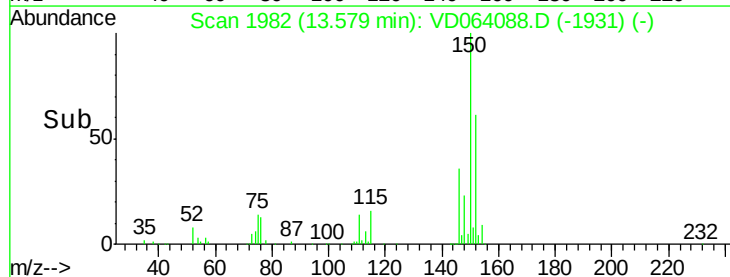
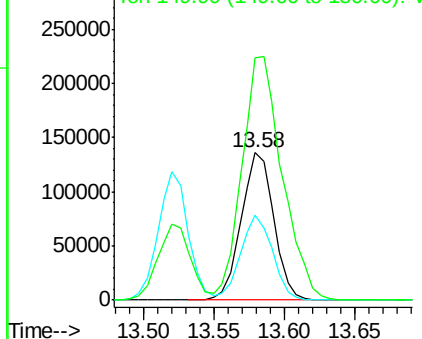


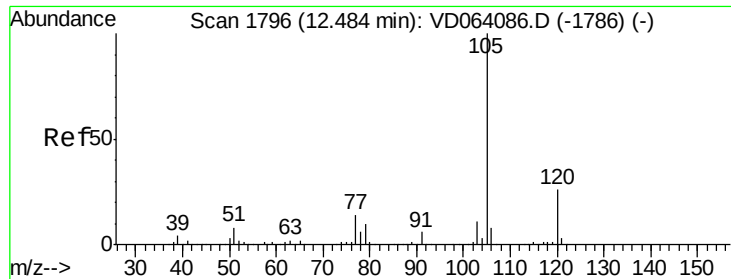
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	218709		
115	57.0	26.2	78.6	
150	204.7	0.0	338.8	



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





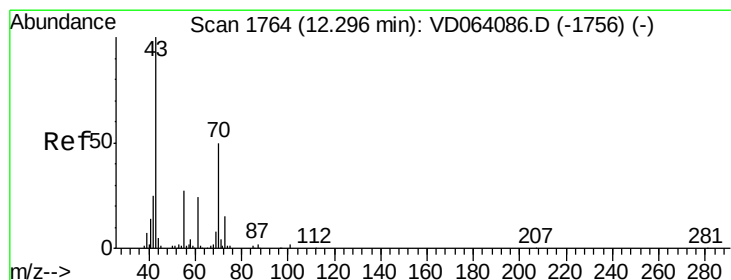
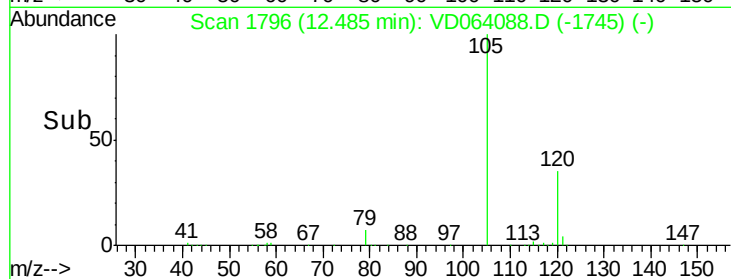
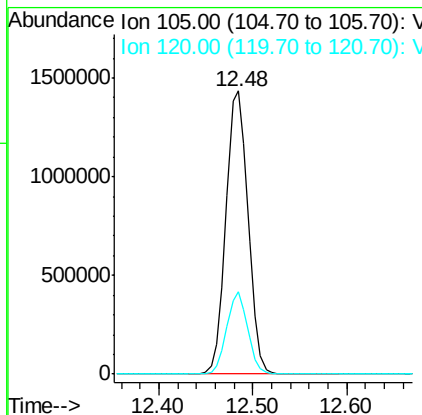
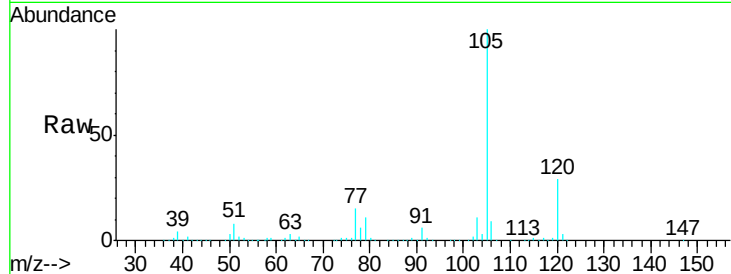
#73
Isopropylbenzene
Concen: 153.663 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:105 Resp: 2335379
Ion Ratio Lower Upper
105 100
120 27.6 13.3 39.9

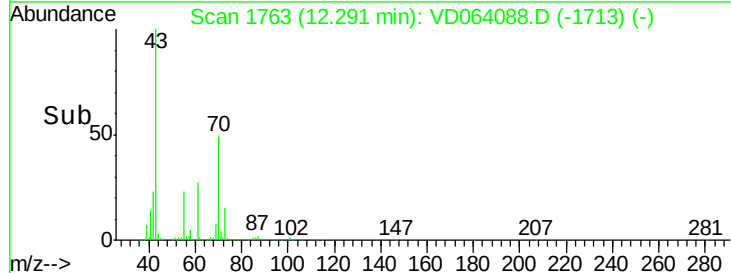
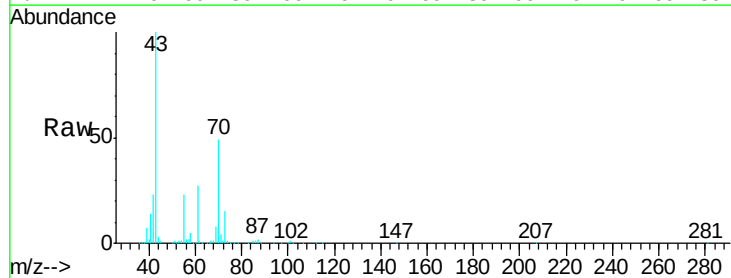
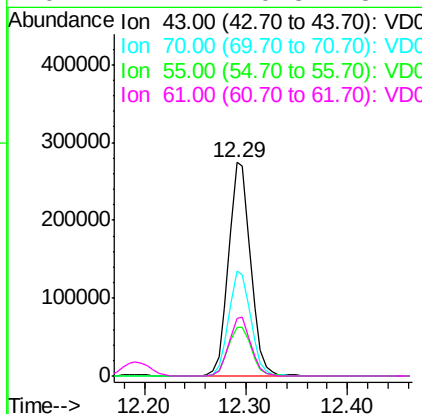
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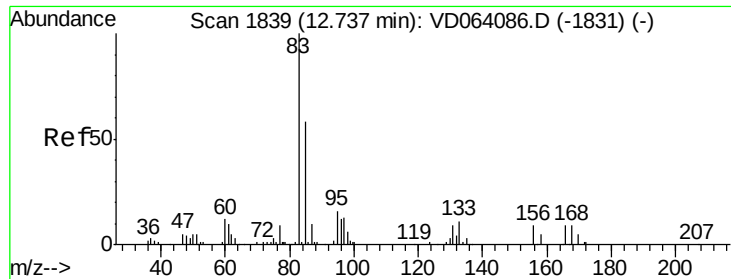
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#74
N-ethyl acetate
Concen: 163.494 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Tgt Ion: 43 Resp: 412800
Ion Ratio Lower Upper
43 100
70 49.1 38.6 58.0
55 24.6 20.4 30.6
61 27.4 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 151.371 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA_D

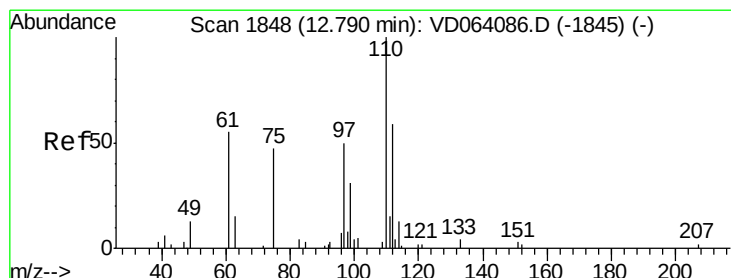
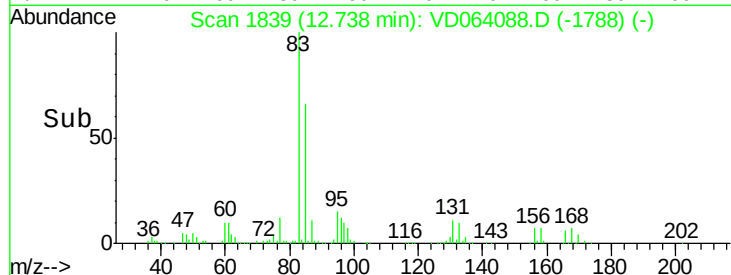
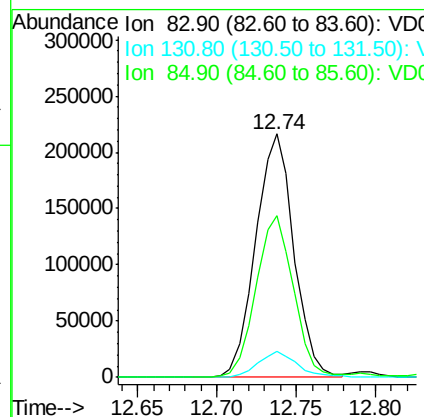
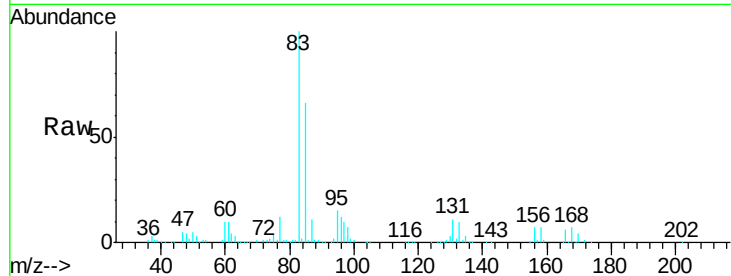
ClientSampleId :

VSTDIC150

Tgt Ion:	83	Resp:	362617
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.7	17.0
85	65.5	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 76.904 ug/l m

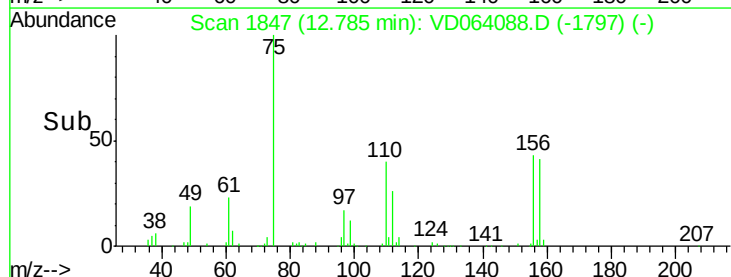
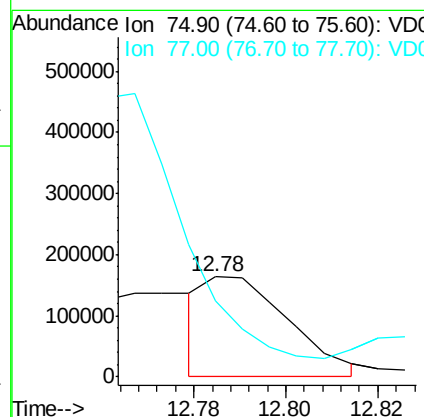
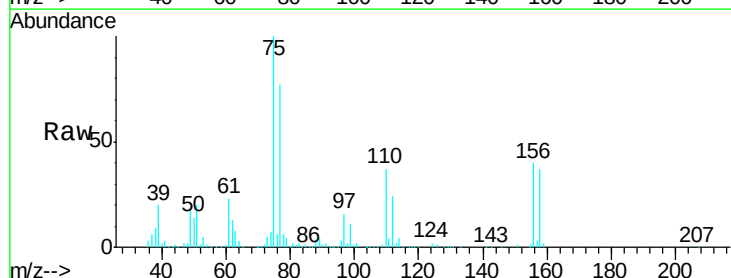
RT: 12.78 min Scan# 1847

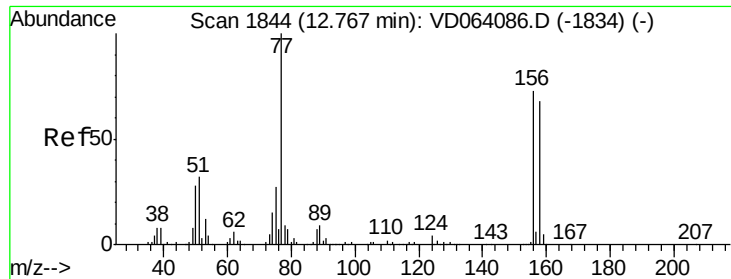
Delta R.T. -0.01 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Tgt Ion:	75	Resp:	208685
Ion Ratio	Lower	Upper	
75	100		
77	415.5	0.0	0.0#





#77

Bromobenzene

Concen: 146.764 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA_D

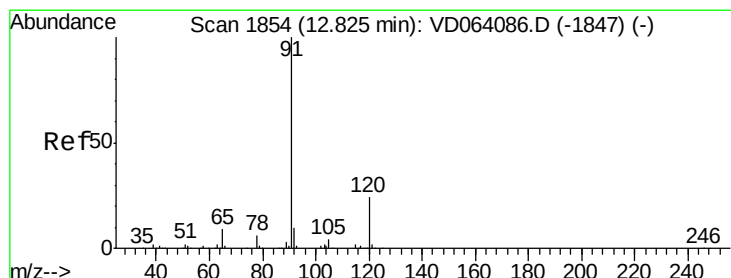
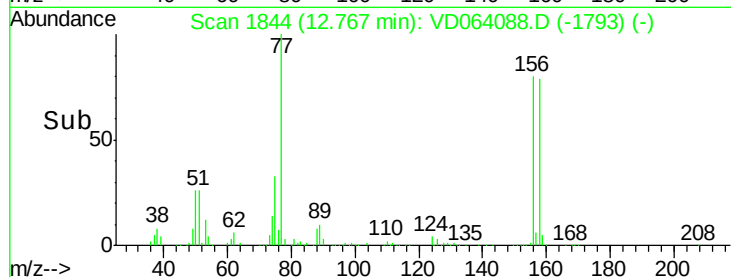
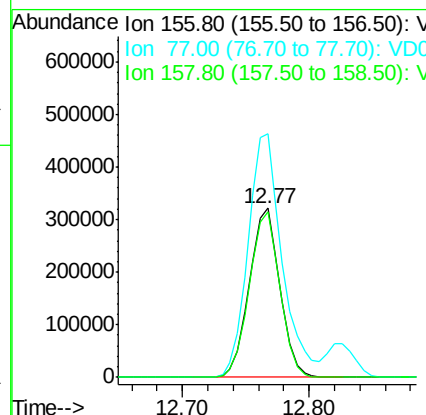
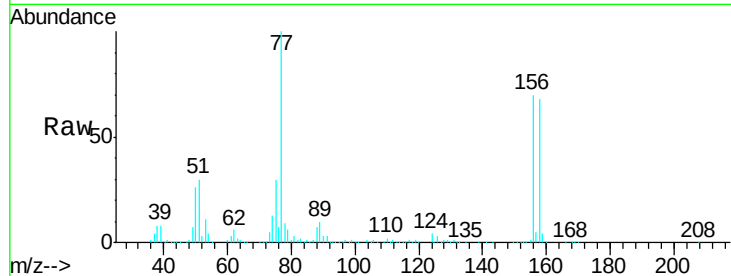
ClientSampleId :

VSTDIC150

Tgt Ion	Ratio	Lower	Upper
156	100		
77	161.0	76.0	228.0
158	97.8	47.6	142.8

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#78

n-propylbenzene

Concen: 154.686 ug/l

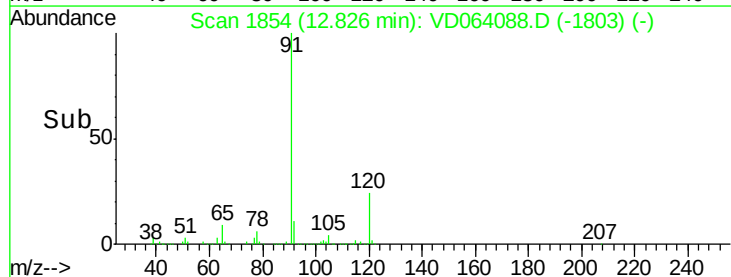
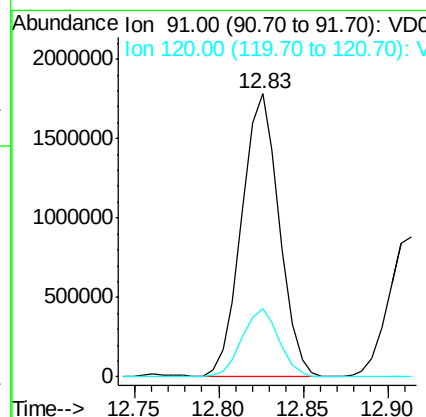
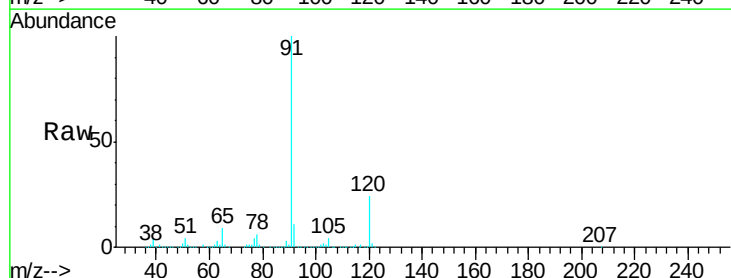
RT: 12.83 min Scan# 1854

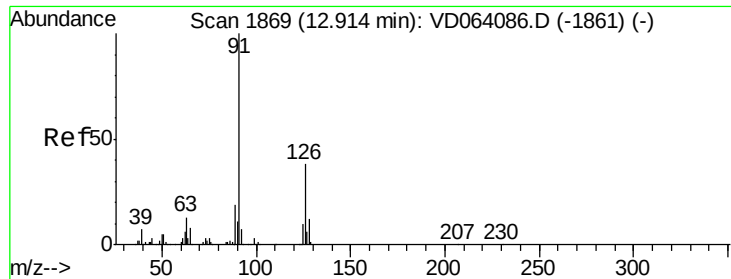
Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	12.1	36.3





#79

2-Chlorotoluene

Concen: 152.896 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 1459740

Ion Ratio Lower Upper

91 100

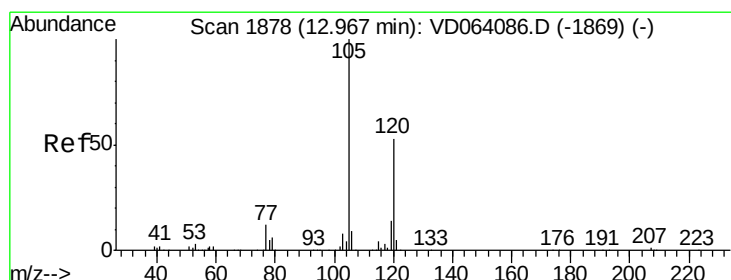
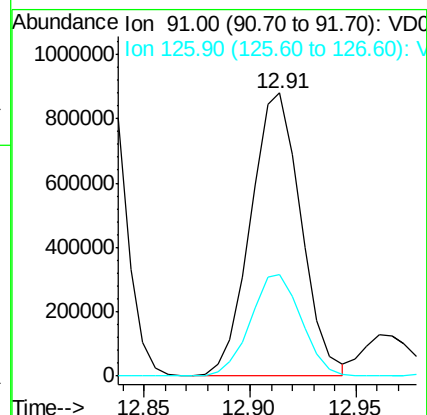
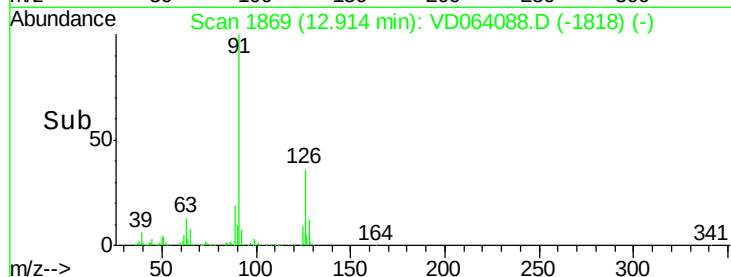
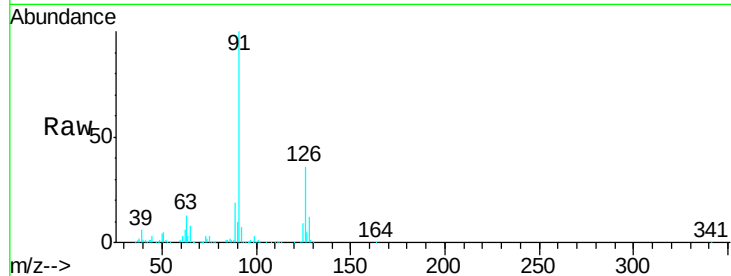
126 36.2 19.1 57.1

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#80

1,3,5-Trimethylbenzene

Concen: 151.838 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD064088.D

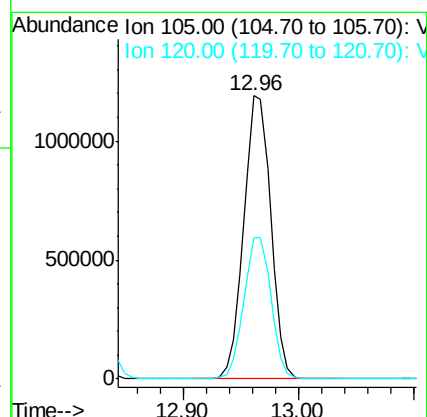
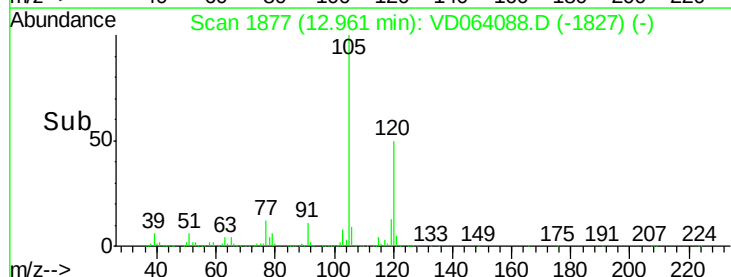
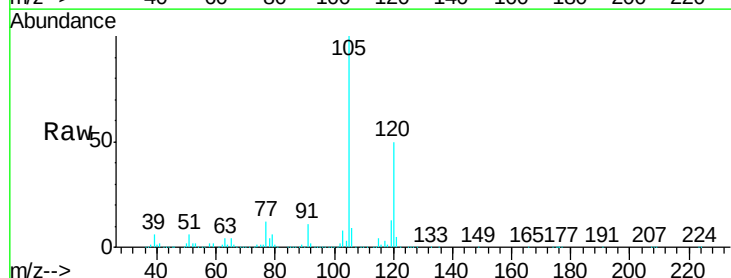
Acq: 29 Oct 2019 14:32

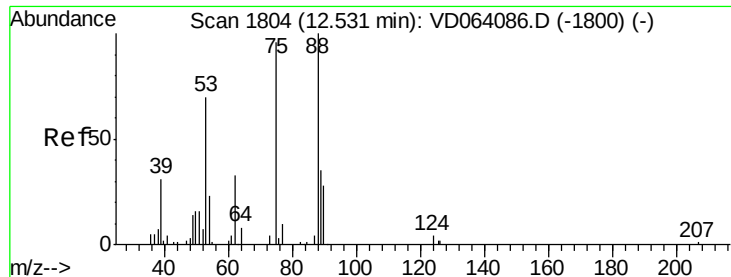
Tgt Ion: 105 Resp: 1931317

Ion Ratio Lower Upper

105 100

120 50.3 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 168.849 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA_D

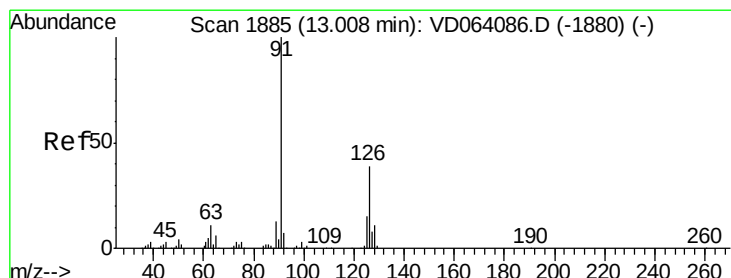
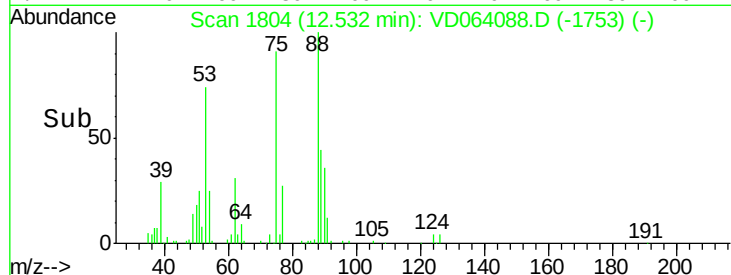
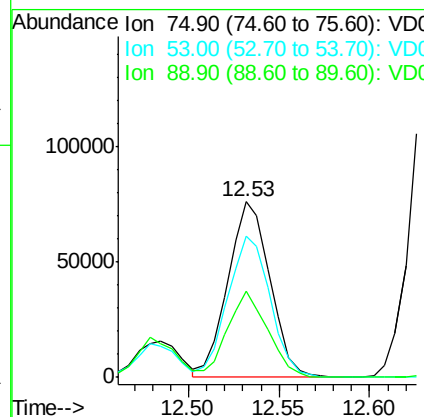
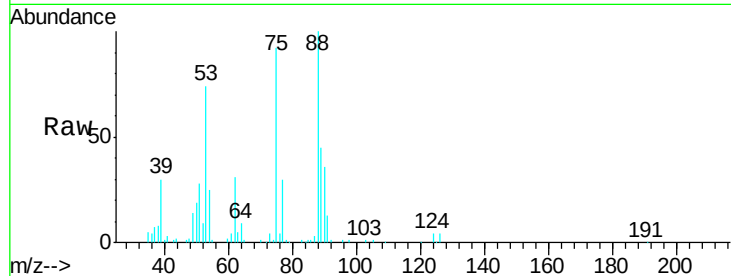
ClientSampleId :

VSTDIC150

Tgt Ion:	75	Resp:	121503
Ion Ratio	Lower	Upper	
75	100		
53	82.5	68.6	103.0
89	47.2	36.9	55.3

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#82

4-Chlorotoluene

Concen: 148.704 ug/l

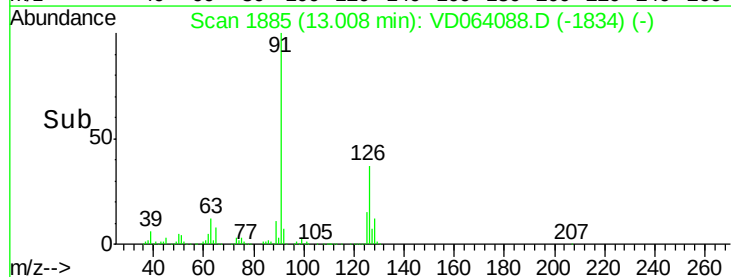
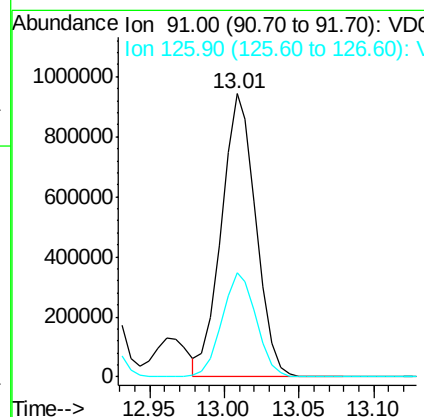
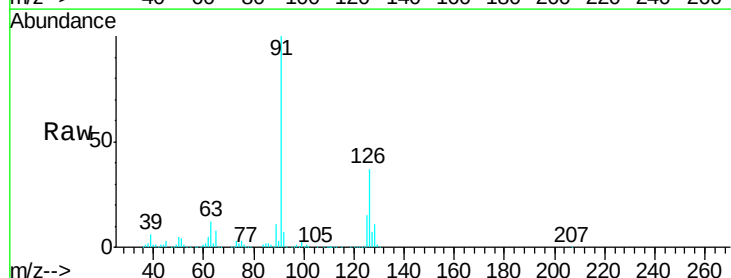
RT: 13.01 min Scan# 1885

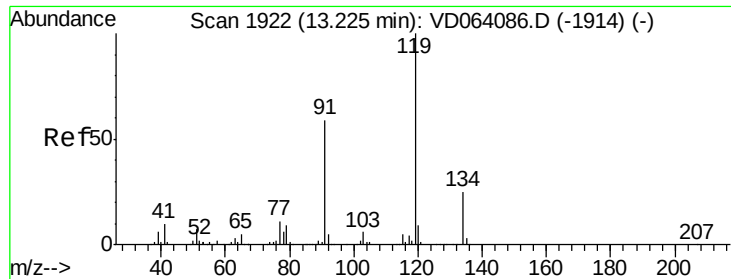
Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Tgt Ion:	91	Resp:	1517005
Ion Ratio	Lower	Upper	
91	100		
126	36.9	18.9	56.5





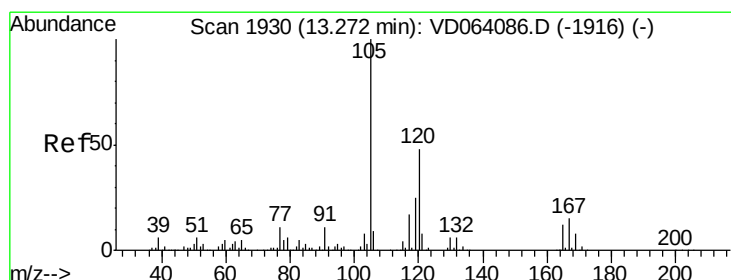
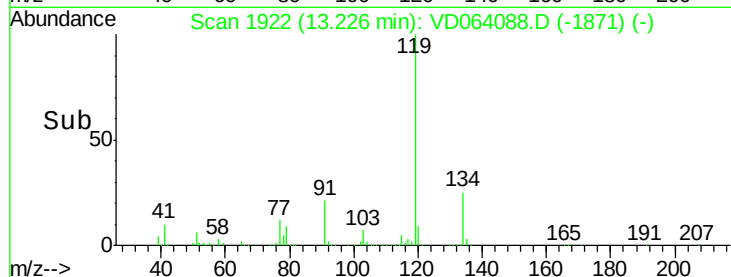
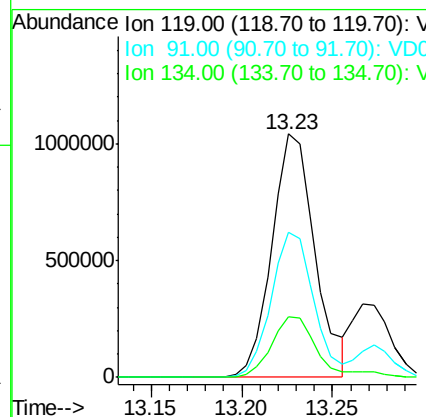
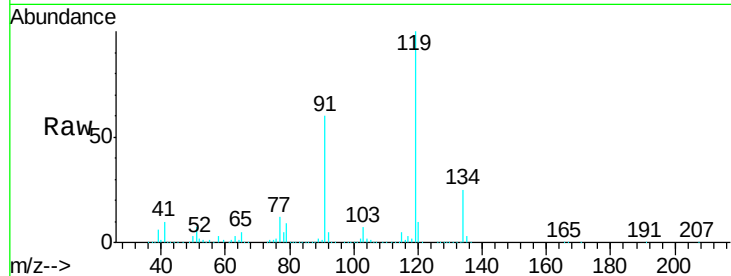
#83
 tert-Butylbenzene
 Concen: 151.230 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD064088.D
 Acq: 29 Oct 2019 14:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:119 Resp: 1727723
 Ion Ratio Lower Upper
 119 100
 91 58.5 28.3 85.0
 134 26.7 12.9 38.6

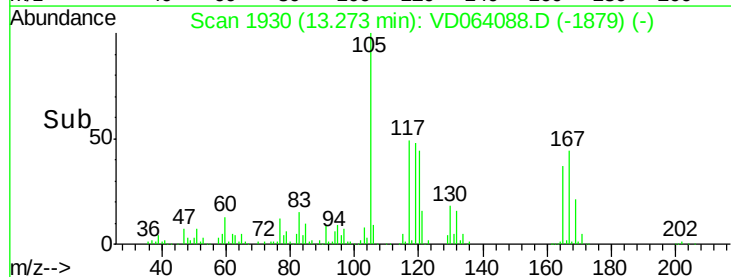
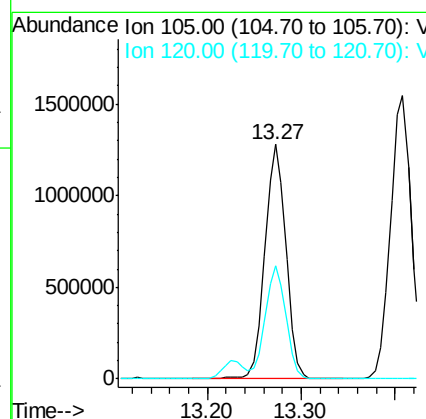
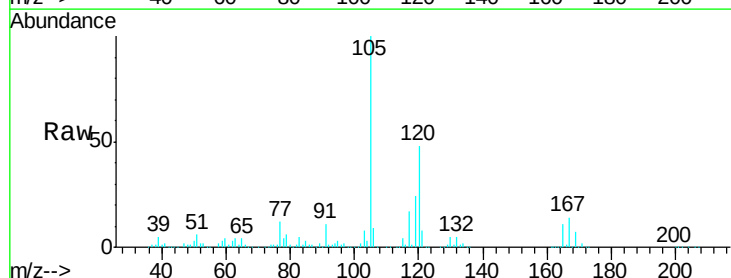
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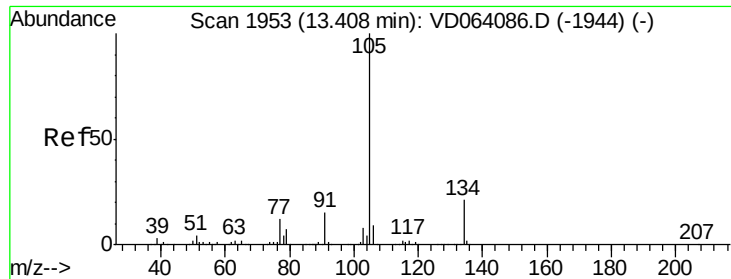
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#84
 1,2,4-Trimethylbenzene
 Concen: 154.734 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064088.D
 Acq: 29 Oct 2019 14:32

Tgt Ion:105 Resp: 1977139
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.1 72.4





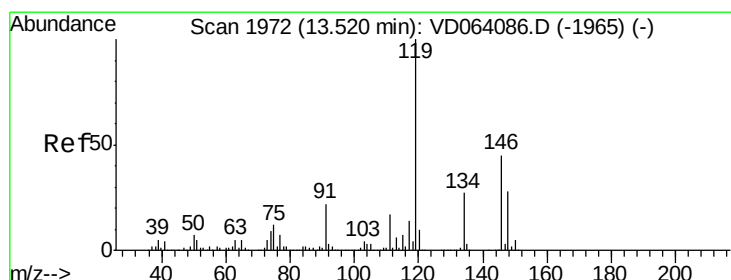
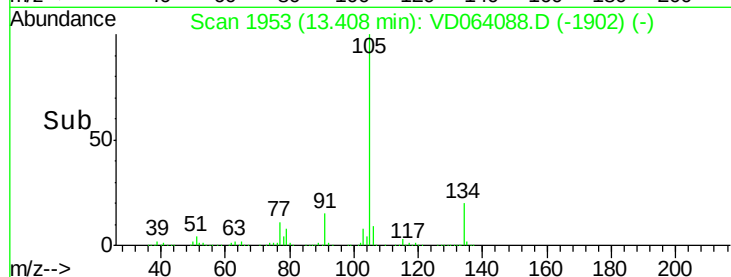
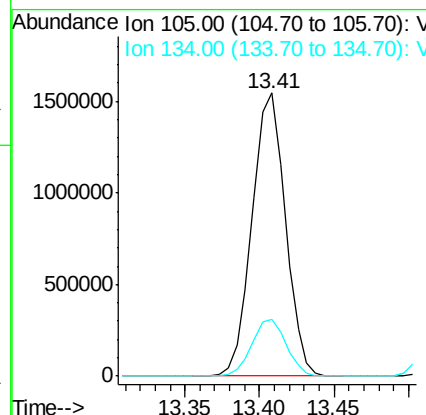
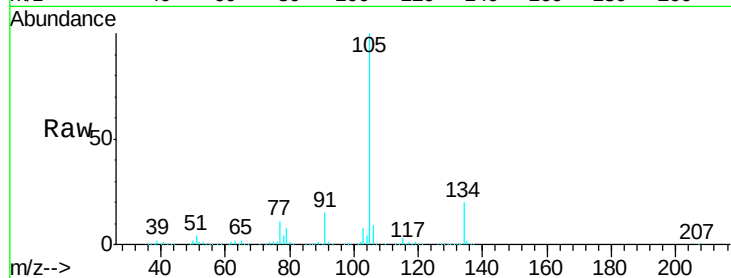
#85
 sec-Butylbenzene
 Concen: 152.226 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064088.D
 Acq: 29 Oct 2019 14:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:105 Resp: 2388260
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.4 31.2

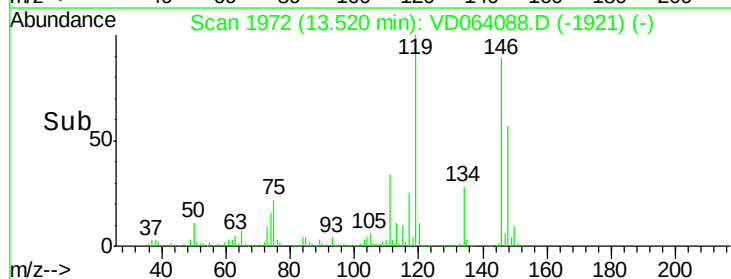
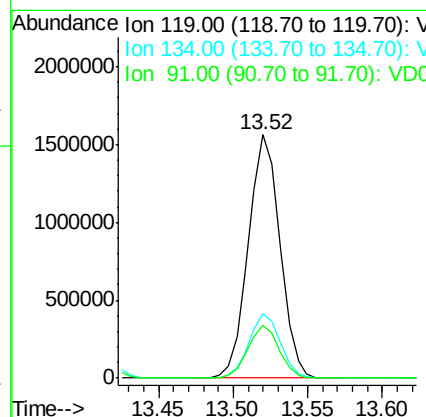
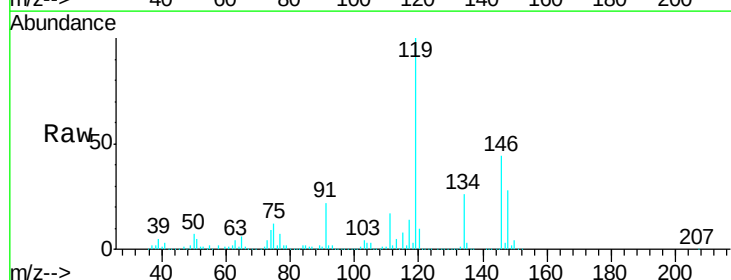
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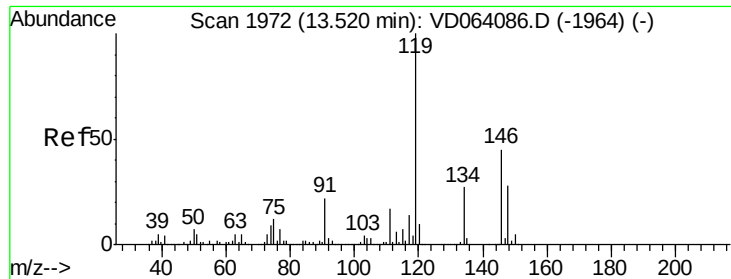
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#86
 p-Isopropyltoluene
 Concen: 154.863 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064088.D
 Acq: 29 Oct 2019 14:32

Tgt Ion:119 Resp: 2282836
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.6 40.8
 91 21.5 10.9 32.6





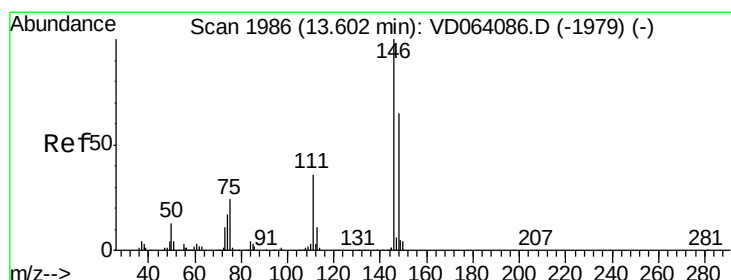
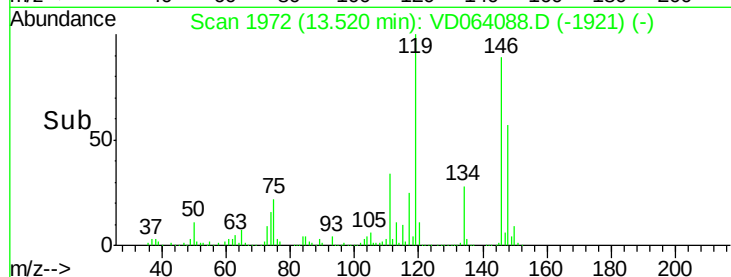
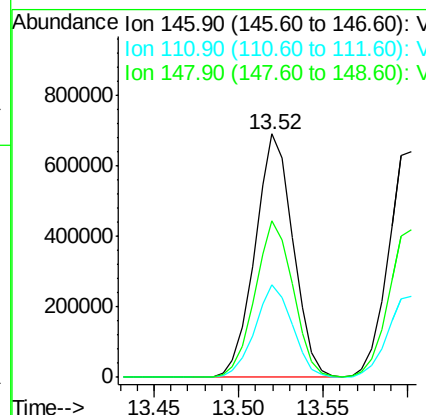
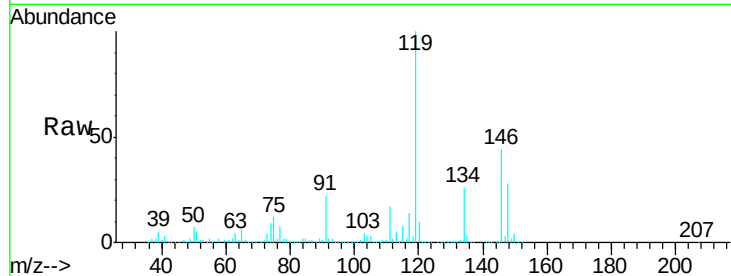
#87
 1,3-Dichlorobenzene
 Concen: 147.440 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064088.D
 Acq: 29 Oct 2019 14:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:146 Resp: 1084212
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.9 56.9
 148 64.2 32.1 96.3

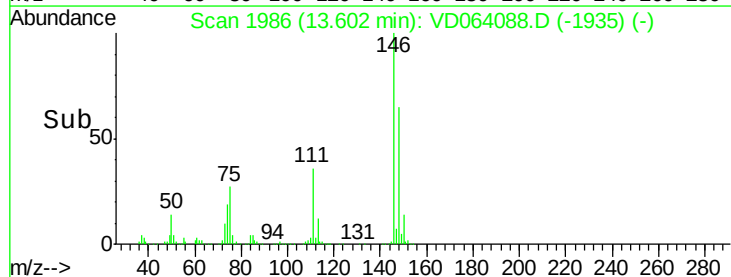
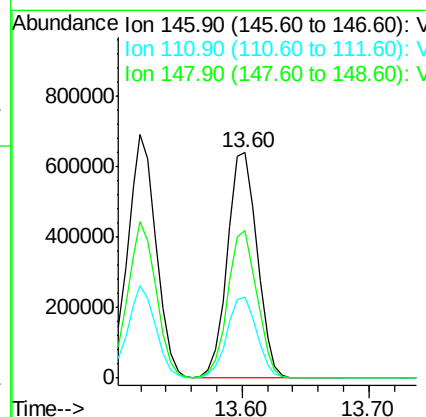
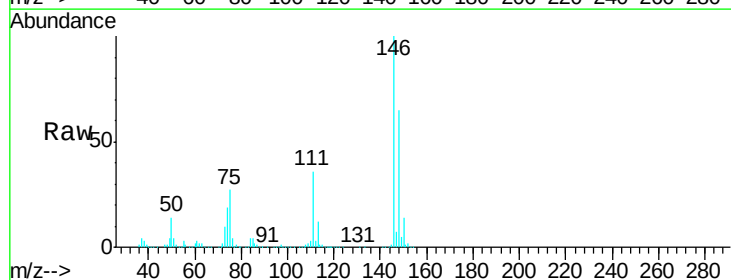
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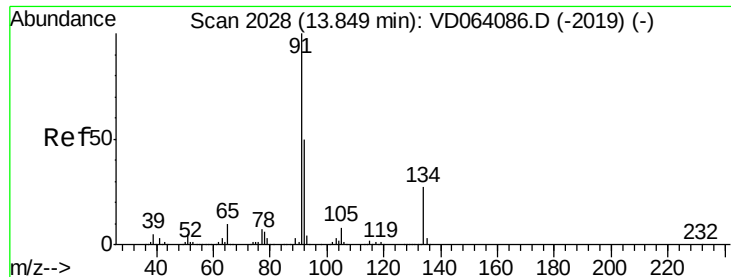
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#88
 1,4-Dichlorobenzene
 Concen: 143.621 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064088.D
 Acq: 29 Oct 2019 14:32

Tgt Ion:146 Resp: 1041112
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.4 55.4
 148 64.4 32.4 97.0





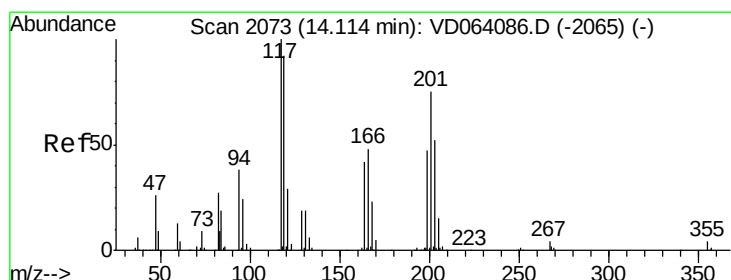
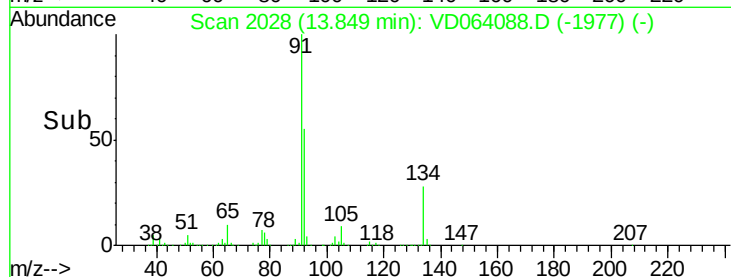
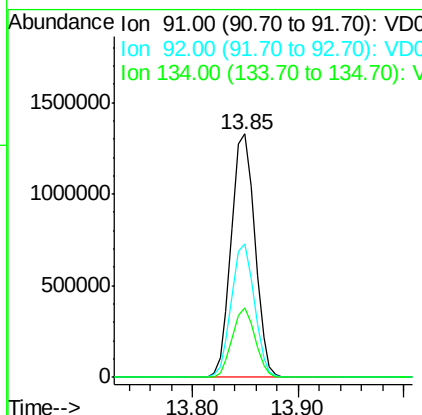
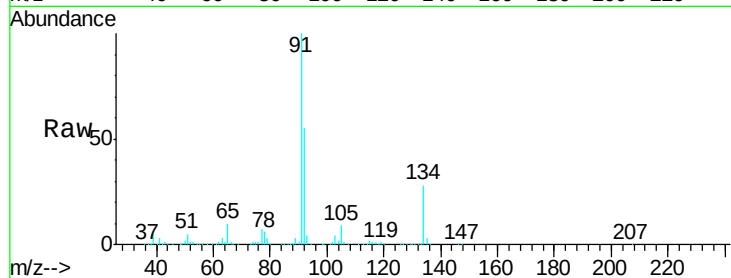
#89
n-Butylbenzene
Concen: 150.908 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 2051822
Ion Ratio Lower Upper
91 100
92 53.5 25.6 76.6
134 27.3 14.0 42.0

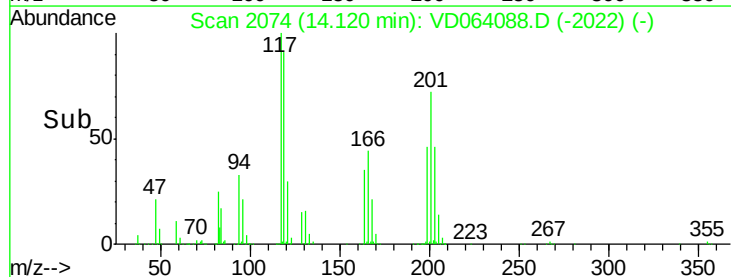
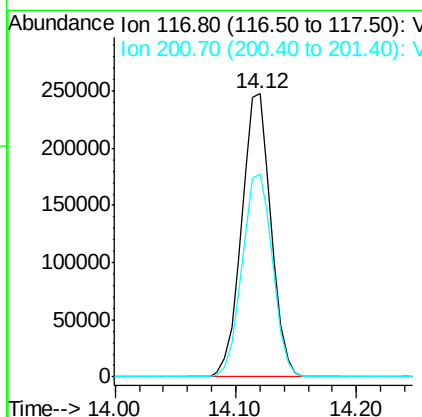
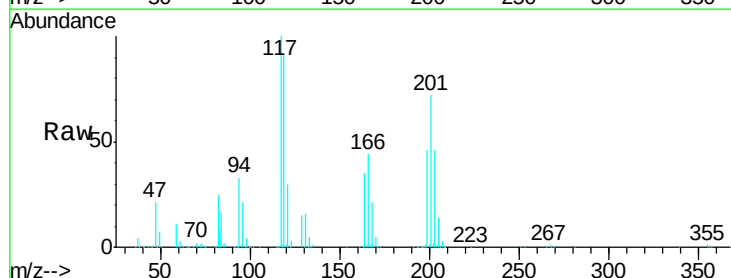
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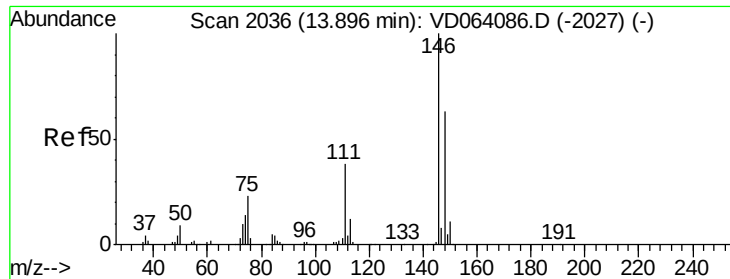
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#90
Hexachloroethane
Concen: 152.245 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Tgt Ion: 117 Resp: 420175
Ion Ratio Lower Upper
117 100
201 74.4 38.4 115.2





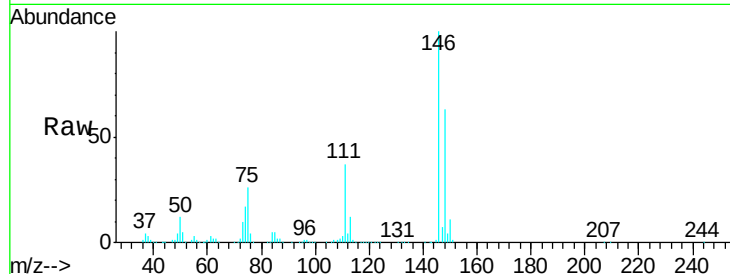
#91
 1,2-Dichlorobenzene
 Concen: 140.120 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064088.D
 Acq: 29 Oct 2019 14:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

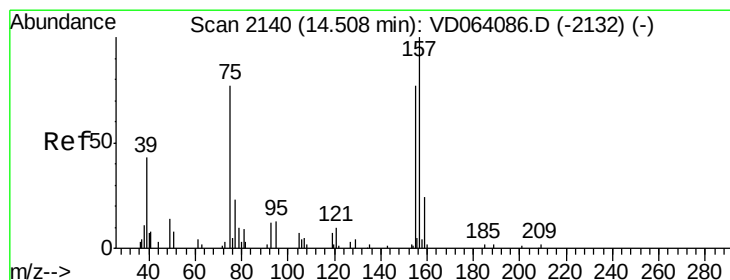
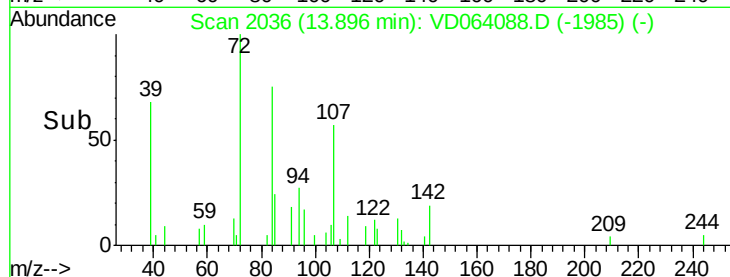
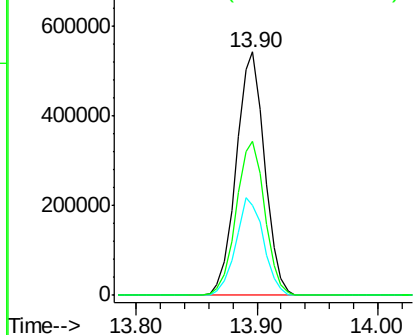
Tgt Ion	Ratio	Resp	Lower	Upper
146	100	886756		
111	39.3	19.1	57.1	
148	64.1	32.1	96.5	

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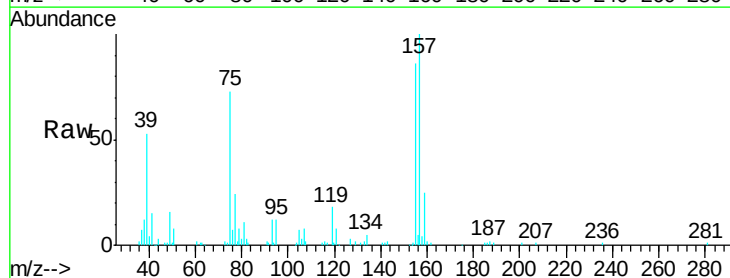


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

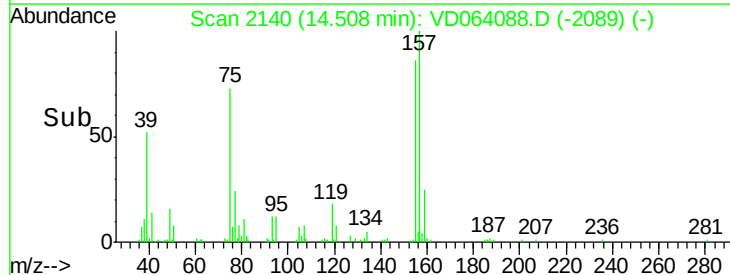
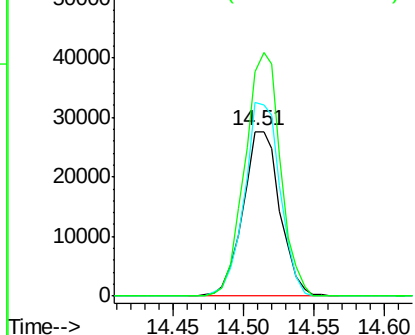


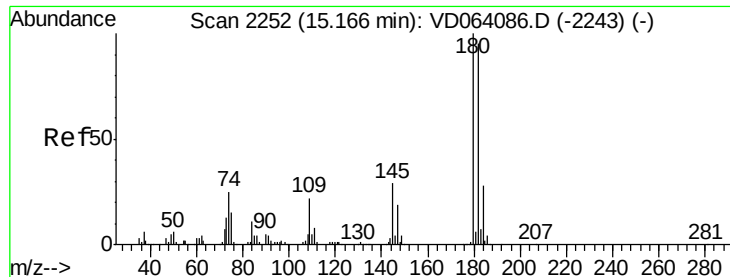
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 145.010 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD064088.D
 Acq: 29 Oct 2019 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	50733		
155	113.8	56.3	168.9	
157	142.2	72.2	216.6	



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





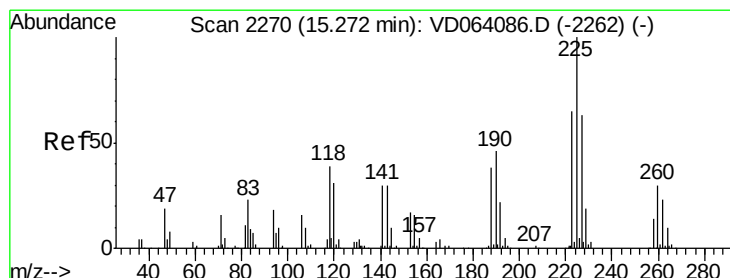
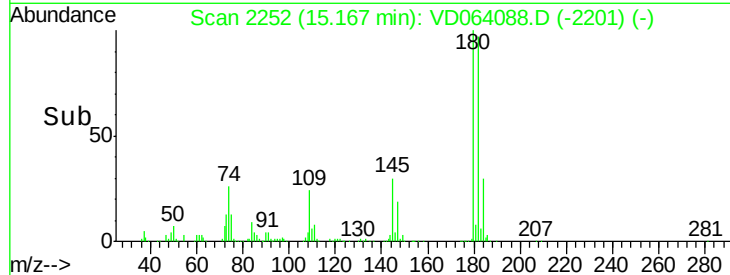
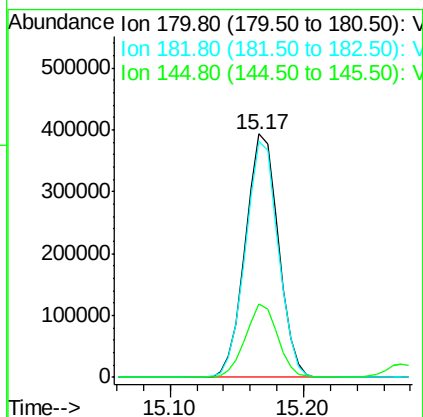
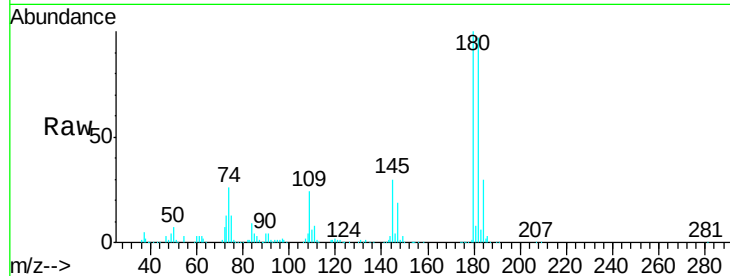
#93
 1,2,4-Trichlorobenzene
 Concen: 147.332 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD064088.D
 Acq: 29 Oct 2019 14:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	670225		
182	95.9	46.9	140.7	
145	29.2	14.2	42.6	

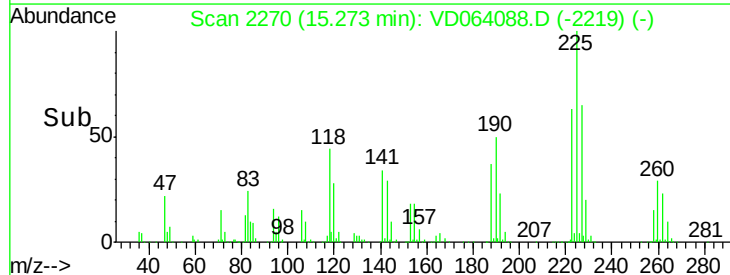
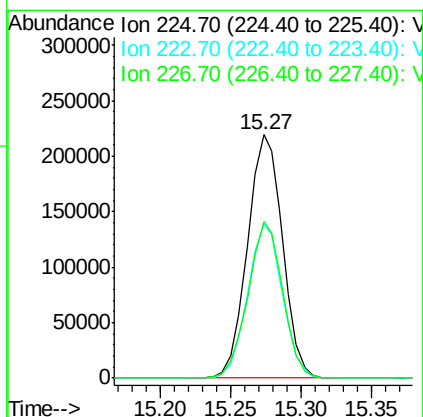
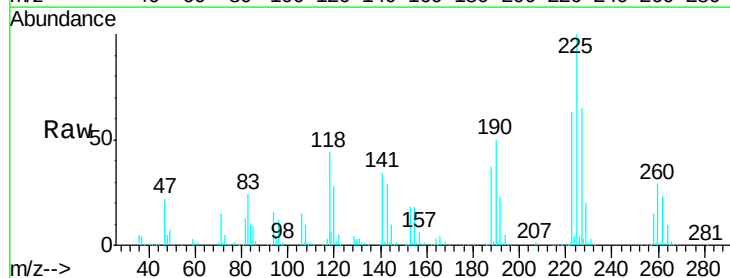
Manual Integrations
 APPROVED

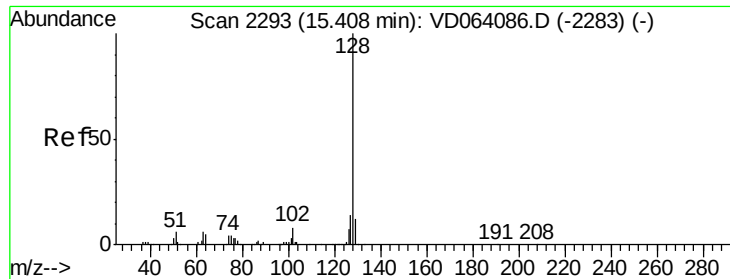
MMDadoda
 10/30/2019 10:58:27 AM



#94
 Hexachlorobutadiene
 Concen: 143.555 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD064088.D
 Acq: 29 Oct 2019 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	381672		
223	62.9	30.8	92.3	
227	63.6	31.7	95.1	





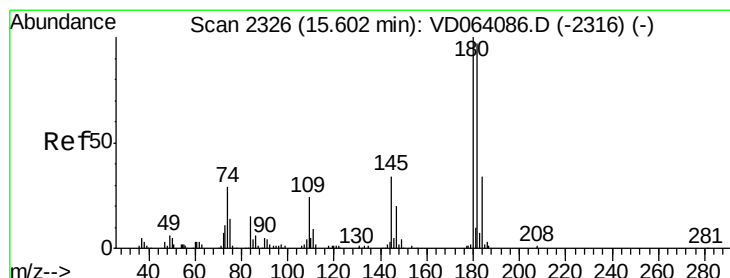
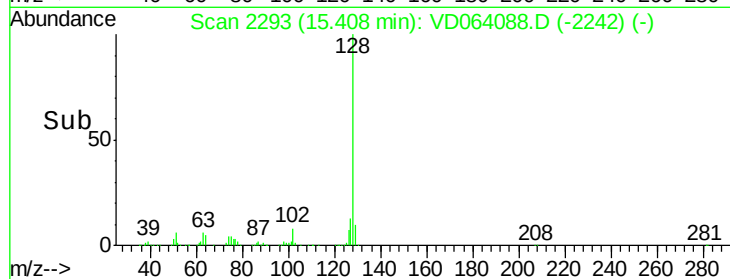
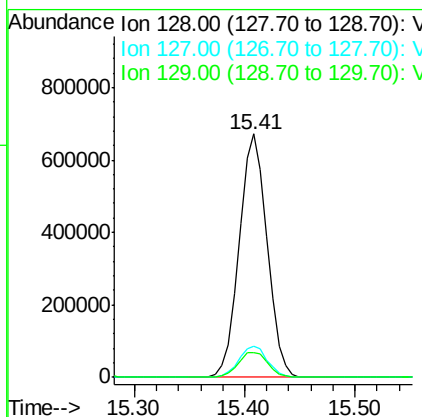
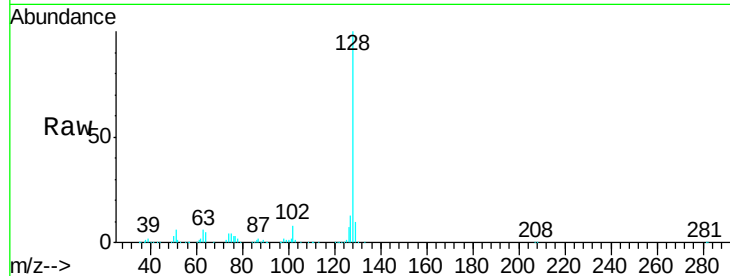
#95
Naphthalene
Concen: 160.665 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 1191977
Ion Ratio Lower Upper
128 100
127 13.3 10.9 16.3
129 10.8 8.8 13.2

Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:58:27 AM



#96
1,2,3-Trichlorobenzene
Concen: 146.002 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064088.D
Acq: 29 Oct 2019 14:32

Tgt Ion:180 Resp: 575294
Ion Ratio Lower Upper
180 100
182 94.4 48.4 145.0
145 30.9 16.4 49.4

