

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064081.D
 Acq On : 25 Oct 2019 22:40
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/28/2019 12:39:32 PM

Quant Time: Oct 26 01:23:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	117762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	193787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	209726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	125405	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	65653	57.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.52%	
35) Dibromofluoromethane	7.92	113	64202	54.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.42%	
50) Toluene-d8	10.34	98	267039	55.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.10%	
62) 4-Bromofluorobenzene	12.64	95	94183	56.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	32493	38.907	ug/l	92
3) Chloromethane	2.21	50	121380	54.171	ug/l	98
4) Vinyl Chloride	2.35	62	133909	49.611	ug/l	99
5) Bromomethane	2.77	94	98258	56.623	ug/l	92
6) Chloroethane	2.93	64	99186	55.564	ug/l #	87
7) Trichlorofluoromethane	3.27	101	205975	57.717	ug/l	99
8) Diethyl Ether	3.70	74	30140	52.618	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	46162	46.730	ug/l	90
10) Methyl Iodide	4.30	142	57267	42.071	ug/l	99
11) Tert butyl alcohol	5.24	59	20661	259.709	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	41668	42.219	ug/l	82
13) Acrolein	3.93	56	25462	248.656	ug/l	93
14) Allyl chloride	4.71	41	85449	52.076	ug/l	98
15) Acrylonitrile	5.43	53	80264	317.825	ug/l	99
16) Acetone	4.17	43	78156	261.832	ug/l #	81
17) Carbon Disulfide	4.40	76	137489	38.323	ug/l #	92
18) Methyl Acetate	4.73	43	40986	70.202	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	138907	54.352	ug/l	96
20) Methylene Chloride	4.97	84	72057	54.687	ug/l #	85
21) trans-1,2-Dichloroethene	5.47	96	63314	51.532	ug/l	98
22) Diisopropyl ether	6.37	45	210498	62.814	ug/l	96
23) Vinyl Acetate	6.31	43	605108	303.532	ug/l	98
24) 1,1-Dichloroethane	6.27	63	119292	57.792	ug/l	93
25) 2-Butanone	7.22	43	105438	298.057	ug/l	98
26) 2,2-Dichloropropane	7.21	77	86755	46.462	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	72344	52.022	ug/l	94
28) Bromochloromethane	7.55	49	51839	65.457	ug/l	96
29) Tetrahydrofuran	7.58	42	61803	299.320	ug/l	99
30) Chloroform	7.72	83	128090	57.134	ug/l	99
31) Cyclohexane	7.99	56	92434	54.523	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	103200	53.662	ug/l	99
36) 1,1-Dichloropropene	8.11	75	91002	51.360	ug/l	98
37) Ethyl Acetate	7.31	43	42514	60.691	ug/l	97
38) Carbon Tetrachloride	8.10	117	88130	49.220	ug/l	87

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	102566	47.079	ug/l	94
40) Benzene	8.35	78	293376	57.779	ug/l	98
41) Methacrylonitrile	7.53	41	28482	69.334	ug/l #	78
42) 1,2-Dichloroethane	8.43	62	88572	60.304	ug/l	100
43) Isopropyl Acetate	8.46	43	82805	55.726	ug/l	99
44) Trichloroethene	9.12	130	75603	51.635	ug/l	97
45) 1,2-Dichloropropane	9.40	63	74826	60.207	ug/l	92
46) Dibromomethane	9.48	93	43932	62.069	ug/l	99
47) Bromodichloromethane	9.67	83	106094	58.219	ug/l	96
48) Methyl methacrylate	9.46	41	38958	54.720	ug/l	93
49) 1,4-Dioxane	9.47	88	11905	1232.224	ug/l	93
51) 4-Methyl-2-Pentanone	10.24	43	227114	294.710	ug/l	96
52) Toluene	10.41	92	202323	58.045	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	101100	56.854	ug/l	91
54) cis-1,3-Dichloropropene	10.10	75	120279	58.760	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	61005	61.043	ug/l	97
56) Ethyl methacrylate	10.67	69	72254	57.092	ug/l	96
57) 1,3-Dichloropropane	10.95	76	104006	60.826	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	152667	280.643	ug/l	97
59) 2-Hexanone	10.99	43	168810	302.822	ug/l	100
60) Dibromochloromethane	11.14	129	80445	61.829	ug/l	98
61) 1,2-Dibromoethane	11.25	107	61557	63.535	ug/l	99
64) Tetrachloroethene	10.88	164	78030	54.500	ug/l	95
65) Chlorobenzene	11.67	112	237849	56.471	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	89256	57.511	ug/l	96
67) Ethyl Benzene	11.75	91	407436	53.647	ug/l	99
68) m/p-Xylenes	11.86	106	327850	111.840	ug/l	98
69) o-Xylene	12.18	106	154259	54.956	ug/l	97
70) Styrene	12.20	104	273115	57.476	ug/l	98
71) Bromoform	12.37	173	53128	63.787	ug/l #	97
73) Isopropylbenzene	12.48	105	403256	47.834	ug/l	97
74) N-amyl acetate	12.30	43	83910	46.230	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	74011	50.451	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	54232m	64.568	ug/l	
77) Bromobenzene	12.77	156	108920	51.858	ug/l	97
78) n-propylbenzene	12.83	91	489912	49.509	ug/l	100
79) 2-Chlorotoluene	12.91	91	275836	50.553	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	354262	50.370	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	22356	47.101	ug/l	96
82) 4-Chlorotoluene	13.01	91	290119	50.123	ug/l	99
83) tert-Butylbenzene	13.23	119	312869	49.984	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	369060	50.899	ug/l	98
85) sec-Butylbenzene	13.41	105	424371	50.203	ug/l	99
86) p-Isopropyltoluene	13.52	119	410270	51.291	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	223151	53.770	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	217281	53.070	ug/l	97
89) n-Butylbenzene	13.85	91	371682	49.920	ug/l	99
90) Hexachloroethane	14.11	117	74198	51.575	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	196577	54.964	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11913	52.383	ug/l	85

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VSTDCCC050EC

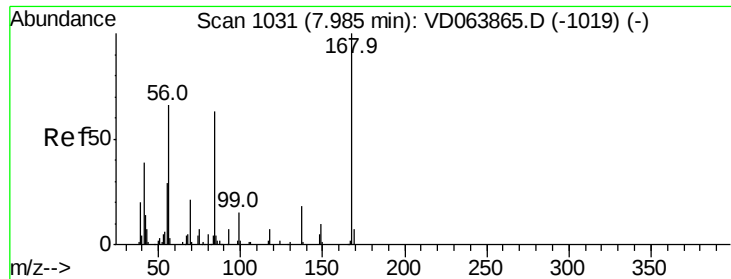
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	141422	51.247	ug/l	99
94) Hexachlorobutadiene	15.27	225	74609	48.993	ug/l	93
95) Naphthalene	15.41	128	249458	53.782	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	123986	52.073	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 117762

Ion Ratio Lower Upper

168 100

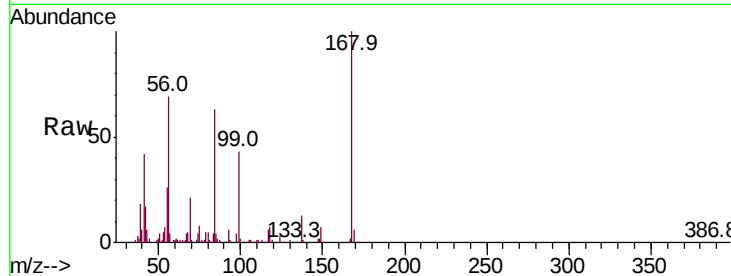
99 43.4 43.0 64.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

60000

50000

40000

30000

20000

10000

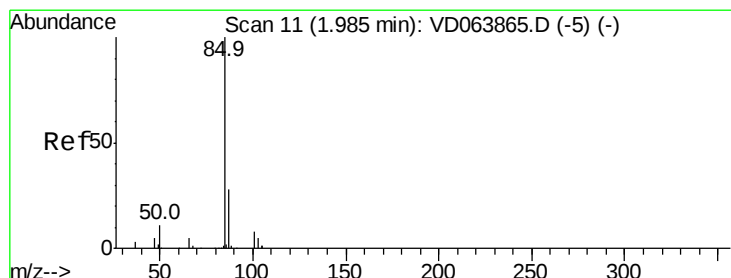
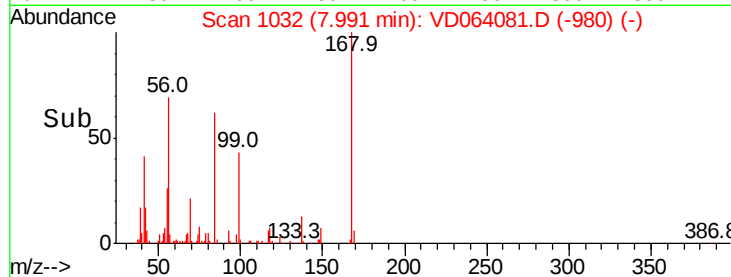
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 38.907 ug/l

RT: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD064081.D

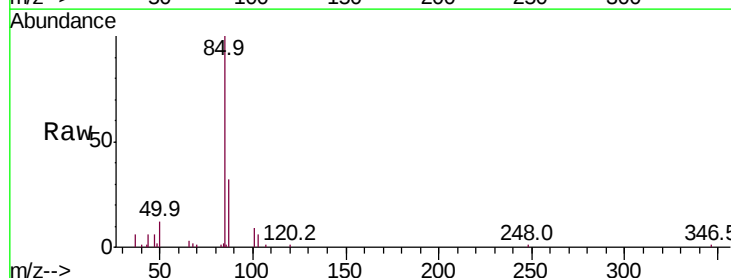
Acq: 25 Oct 2019 22:40

Tgt Ion: 85 Resp: 32493

Ion Ratio Lower Upper

85 100

87 32.2 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

25000

20000

15000

10000

5000

0

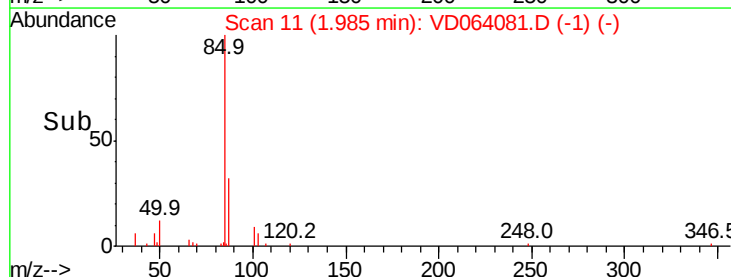
1.90

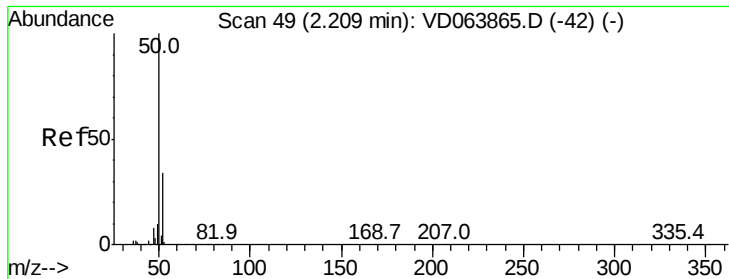
1.95

2.00

2.05

Time-->





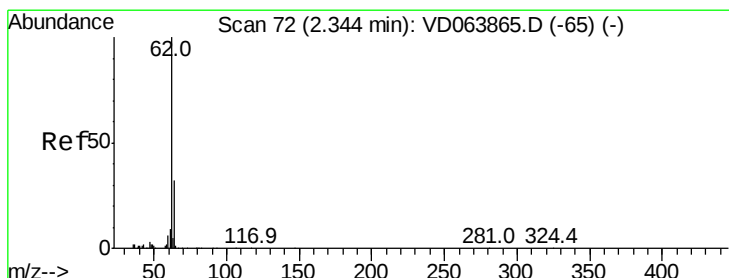
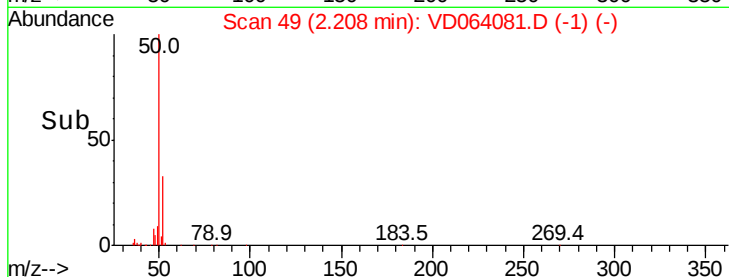
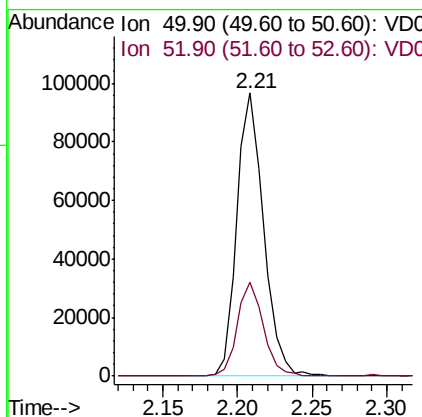
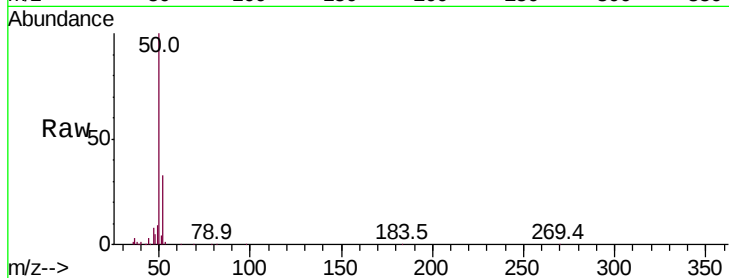
#3
Chloromethane
Concen: 54.171 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.0	27.5	41.3

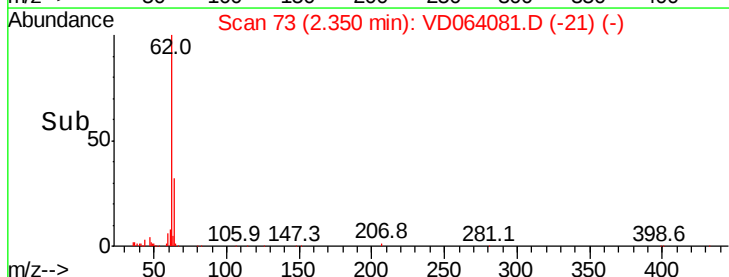
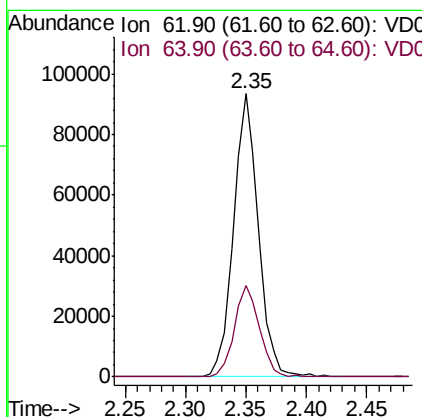
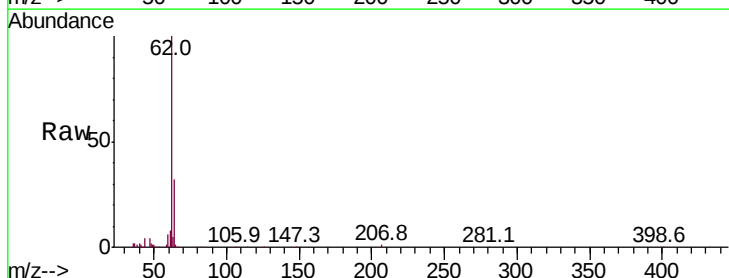
Manual Integrations
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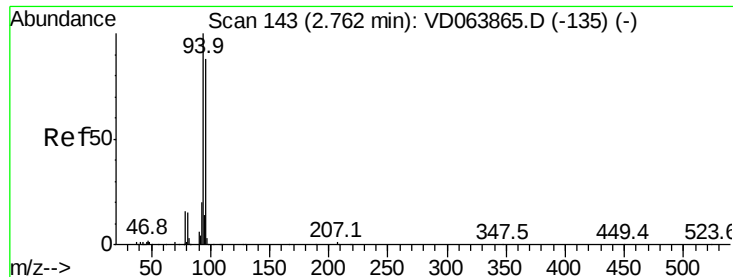
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#4
Vinyl Chloride
Concen: 49.611 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.4	38.0





#5

Bromomethane

Concen: 56.623 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 98258

Ion Ratio Lower Upper

94 100

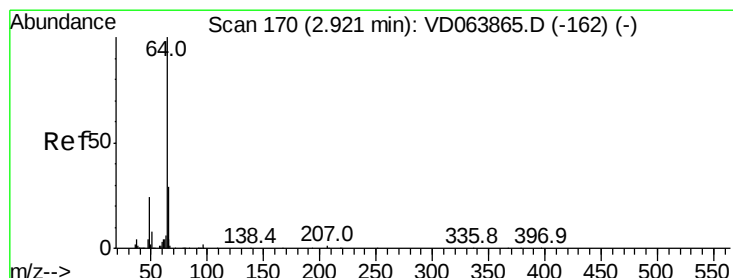
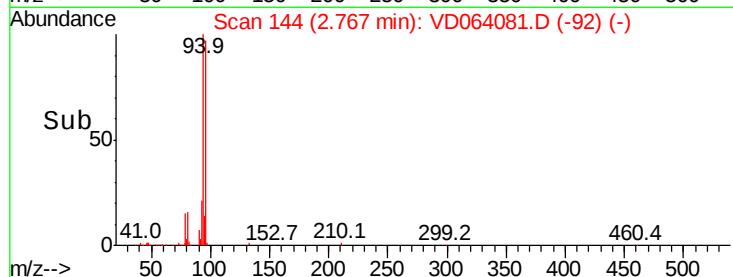
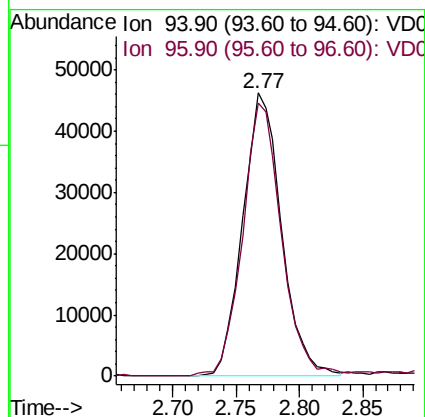
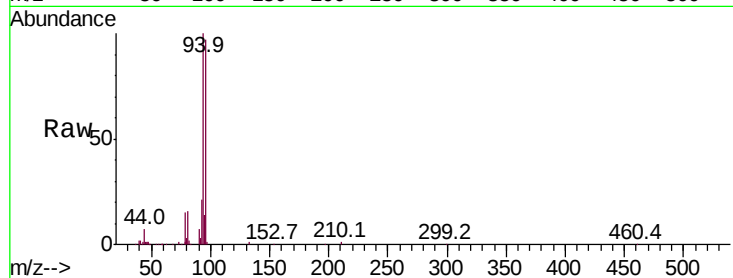
96 96.3 70.8 106.2

Manual Integrations

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#6

Chloroethane

Concen: 55.564 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064081.D

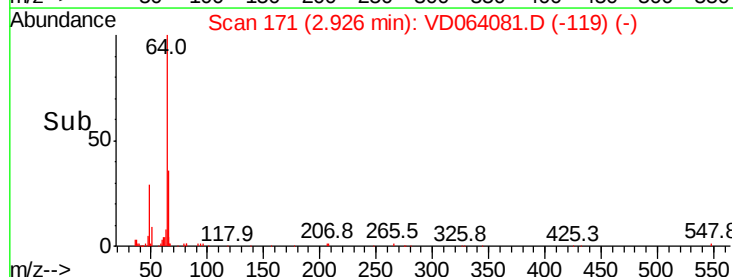
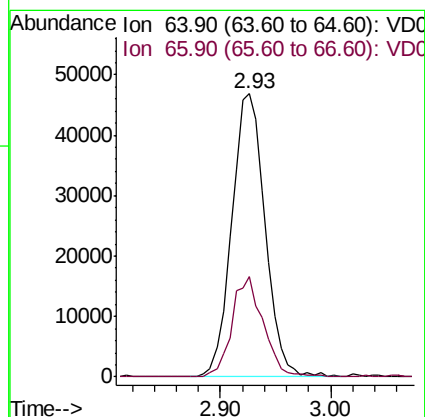
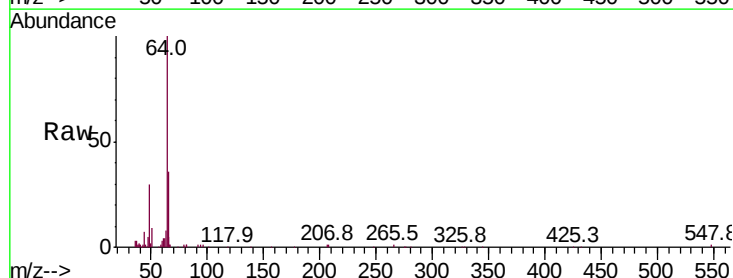
Acq: 25 Oct 2019 22:40

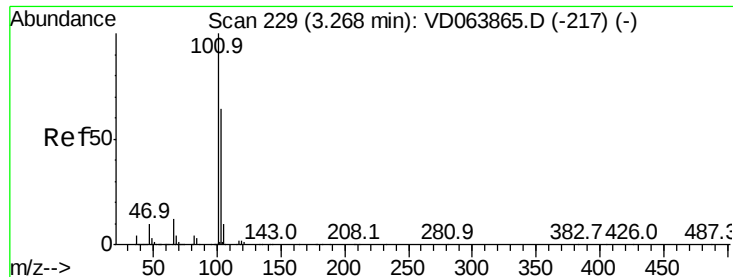
Tgt Ion: 64 Resp: 99186

Ion Ratio Lower Upper

64 100

66 35.5 23.0 34.4#





#7

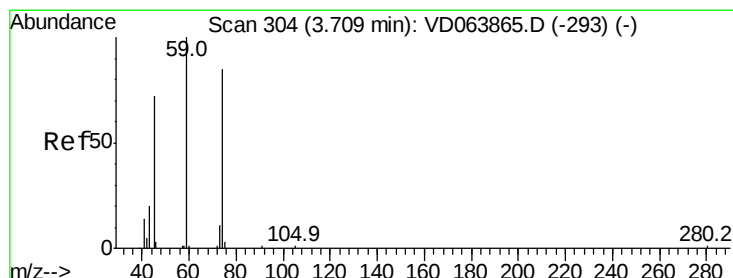
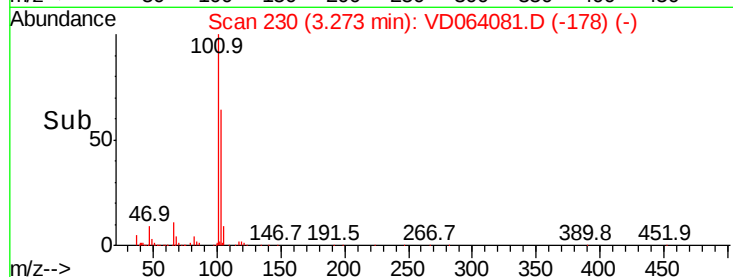
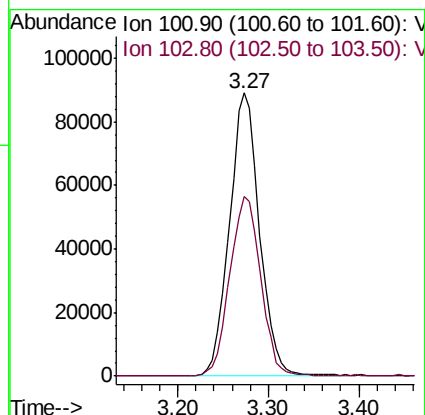
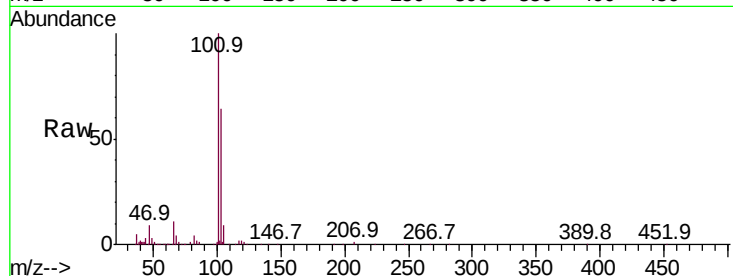
Trichlorofluoromethane
 Concen: 57.717 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.1	76.7

Manual Integrations
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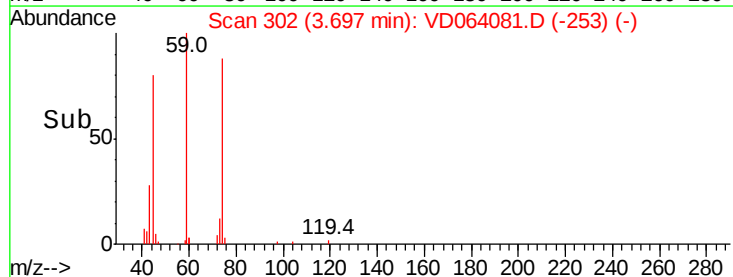
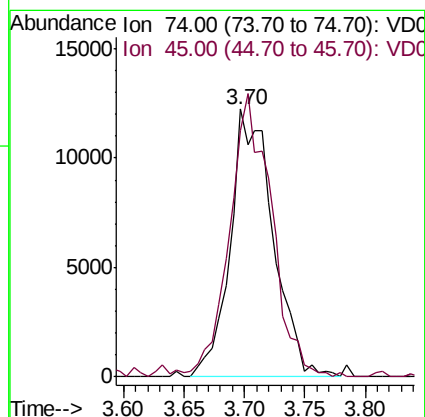
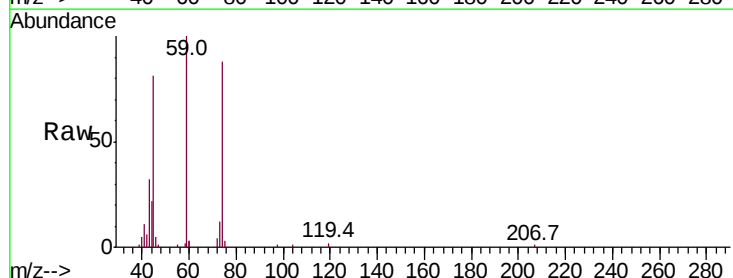
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 10/28/2019 12:39:32 PM

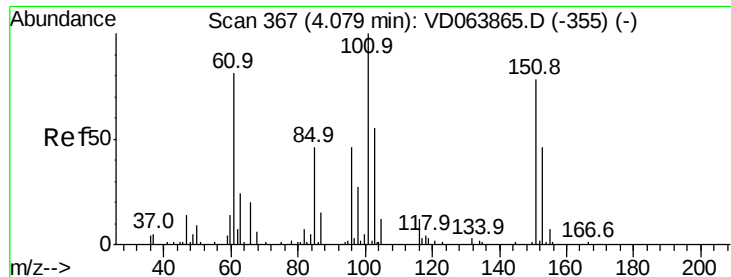


#8

Diethyl Ether
 Concen: 52.618 ug/l
 RT: 3.70 min Scan# 302
 Delta R.T. -0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.5	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.730 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

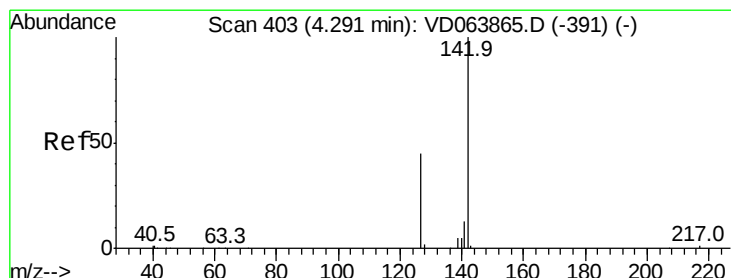
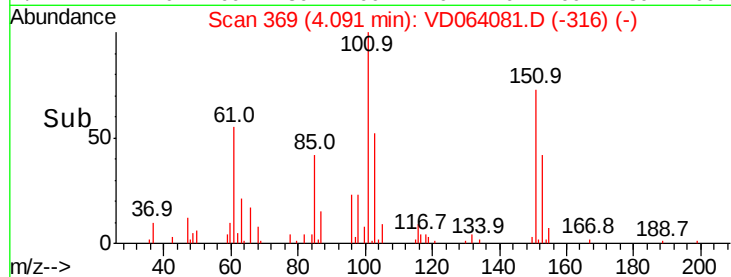
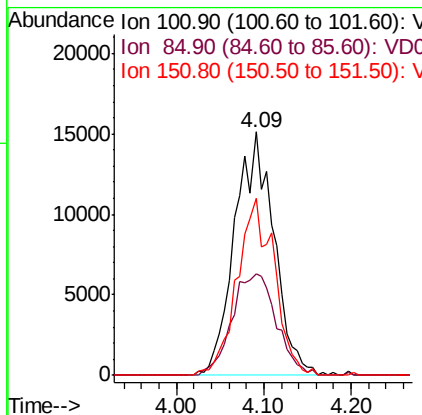
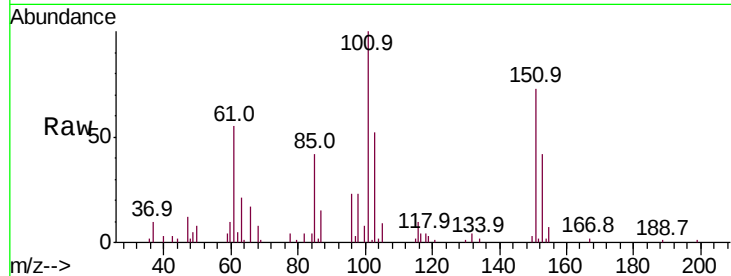
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	46162
Ion Ratio	Lower	Upper	
101	100		
85	47.1	37.5	56.3
151	68.5	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 42.071 ug/l

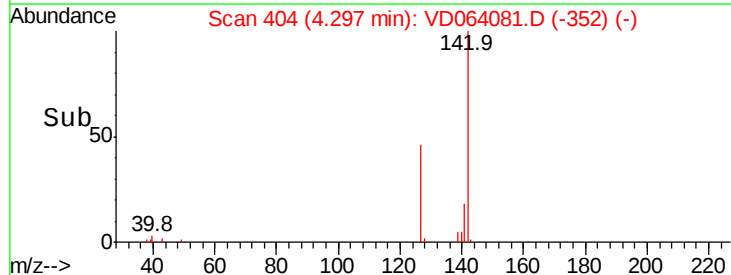
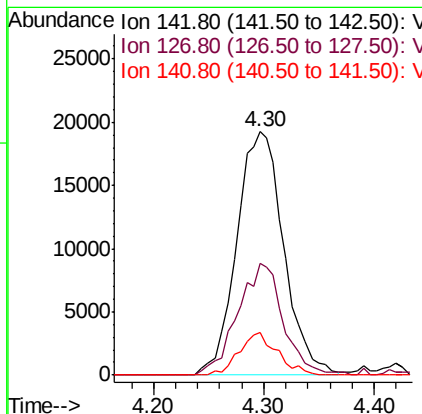
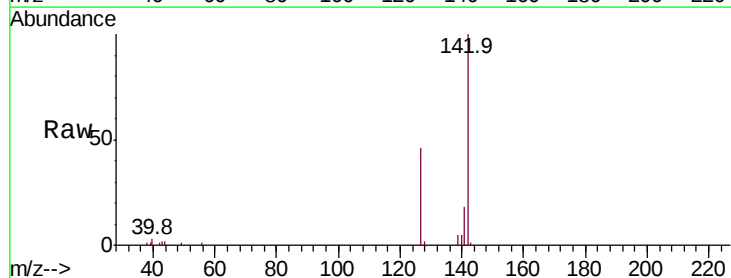
RT: 4.30 min Scan# 404

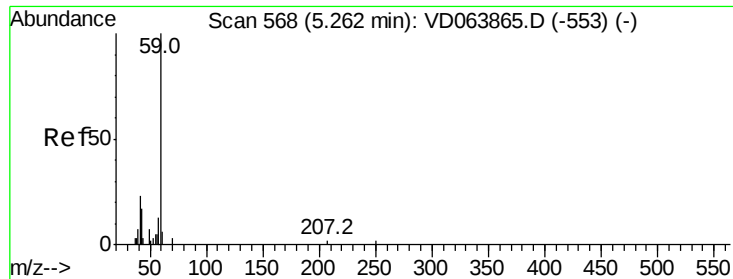
Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Tgt Ion:	142	Resp:	57267
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.3	52.9
141	14.3	12.2	18.2





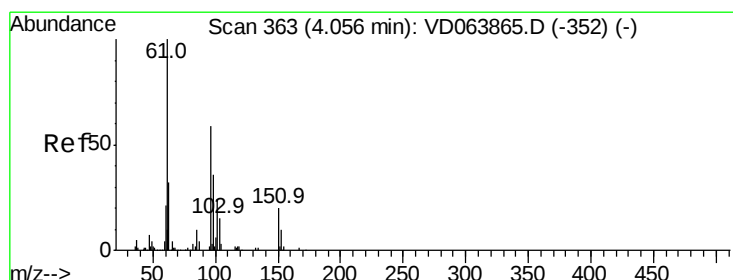
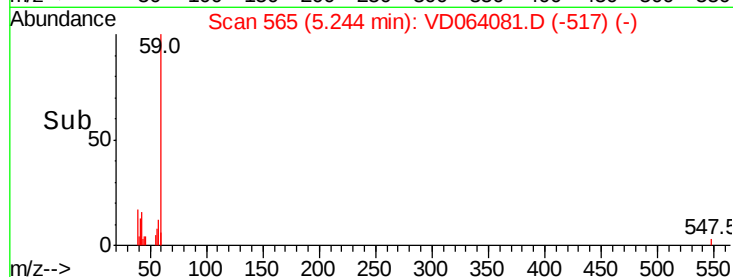
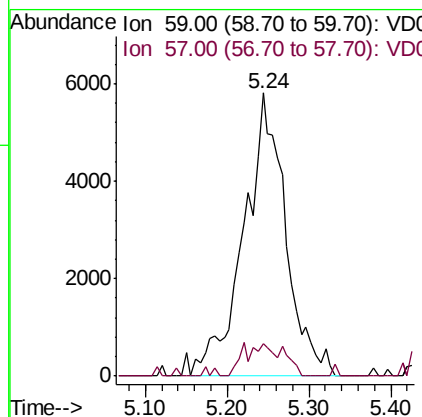
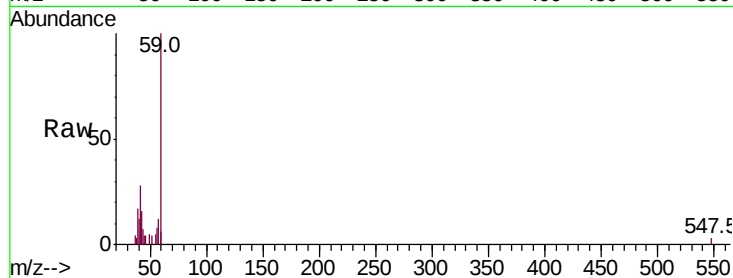
#11
Tert butyl alcohol
Concen: 259.709 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.02 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 20661
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

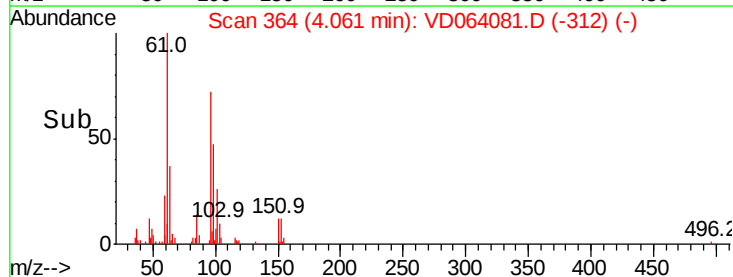
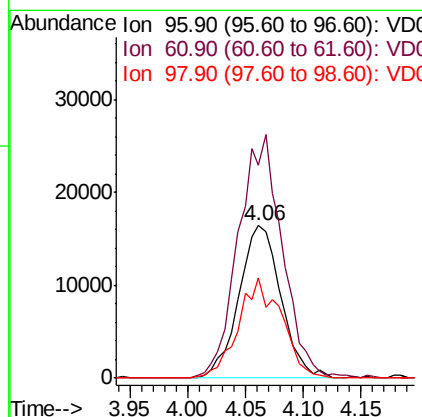
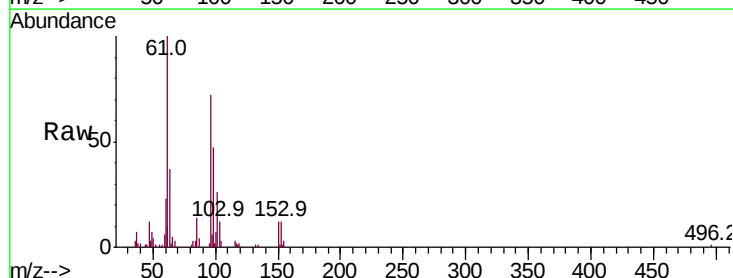
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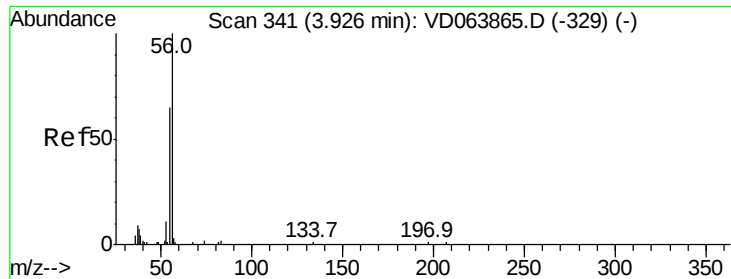
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#12
1,1-Dichloroethene
Concen: 42.219 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion: 96 Resp: 41668
Ion Ratio Lower Upper
96 100
61 139.7 135.6 203.4
98 66.1 49.2 73.8





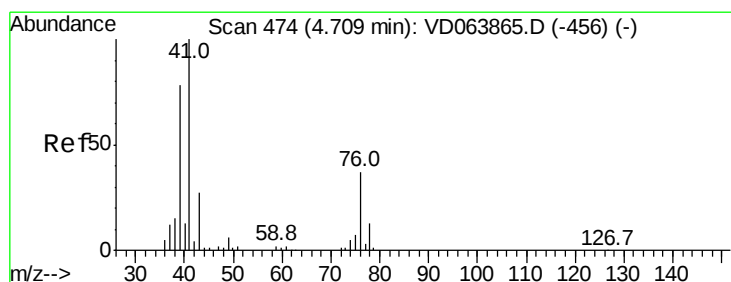
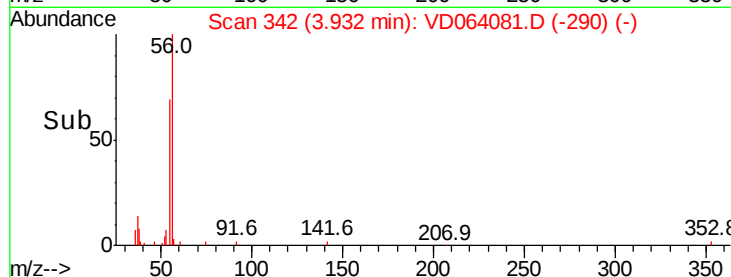
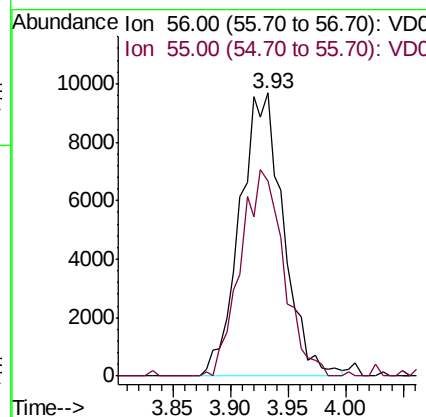
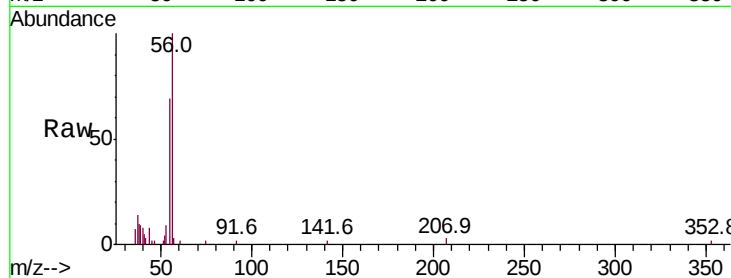
#13
Acrolein
Concen: 248.656 ug/l
RT: 3.93 min Scan# 342
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 25462
Ion Ratio Lower Upper
56 100
55 72.3 53.0 79.6

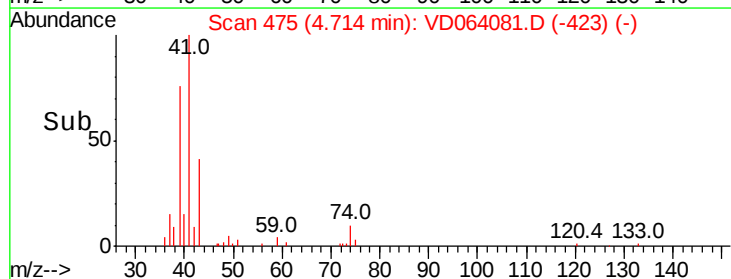
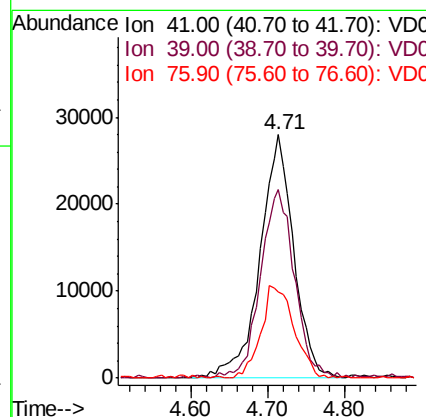
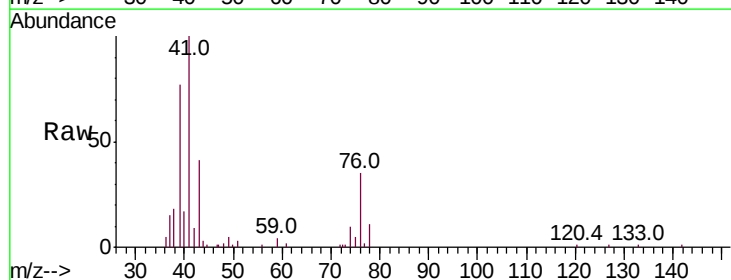
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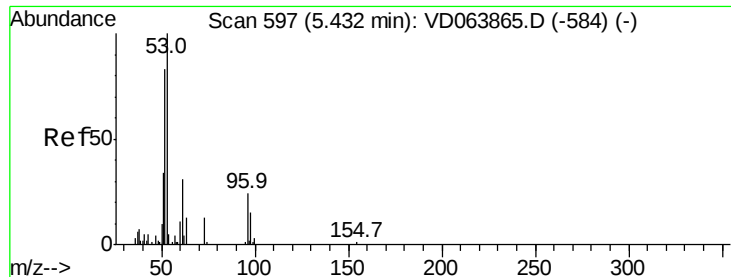
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#14
Allyl chloride
Concen: 52.076 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion: 41 Resp: 85449
Ion Ratio Lower Upper
41 100
39 78.4 61.8 92.6
76 37.2 31.3 46.9





#15

Acrylonitrile

Concen: 317.825 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

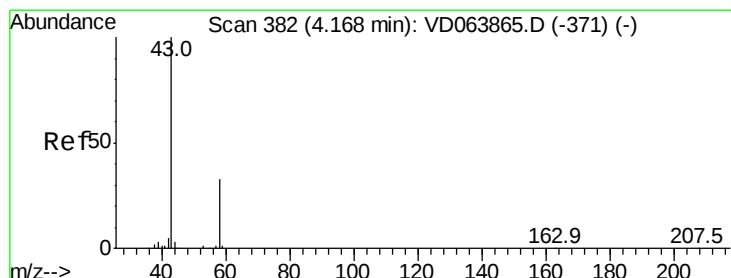
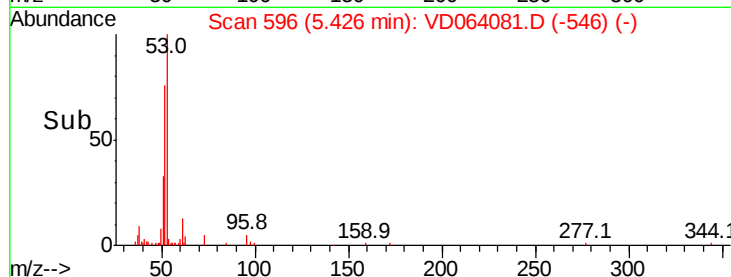
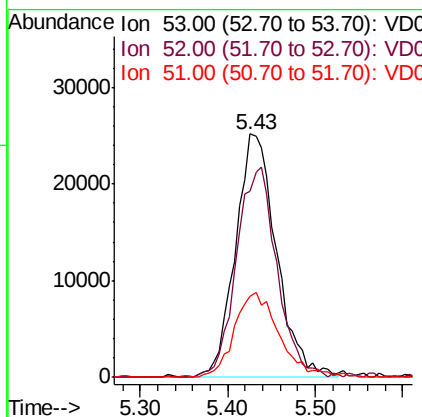
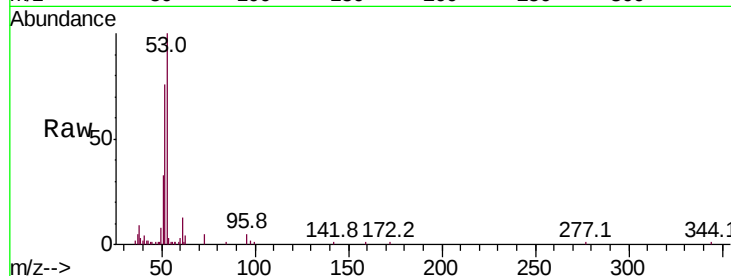
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	80264
Ion	Ratio	Lower	Upper
53	100		
52	85.0	67.3	100.9
51	36.9	30.5	45.7

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#16

Acetone

Concen: 261.832 ug/l

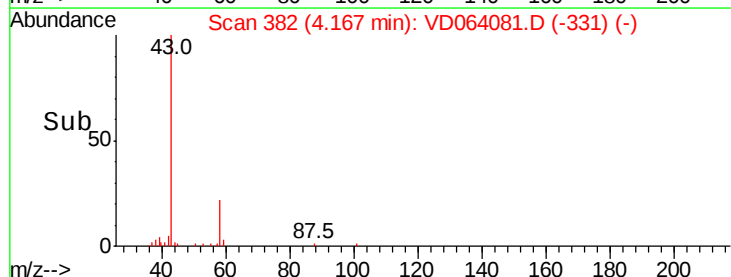
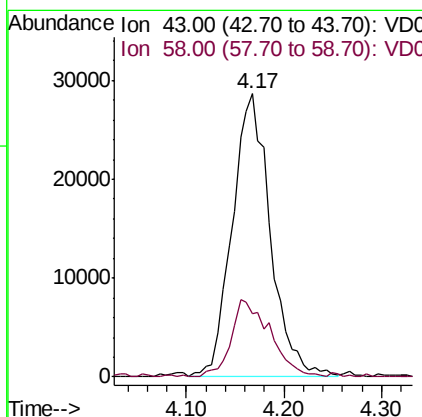
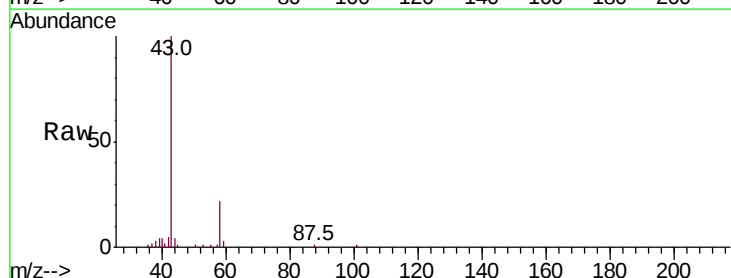
RT: 4.17 min Scan# 382

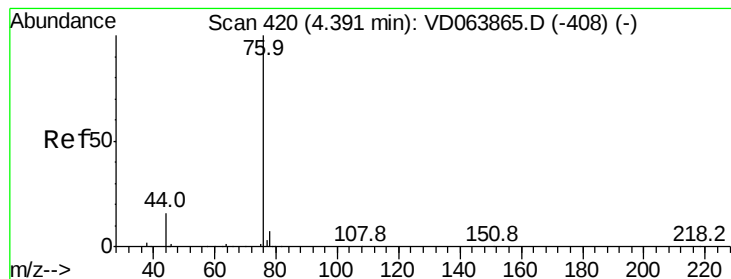
Delta R.T. -0.00 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Tgt Ion:	43	Resp:	78156
Ion	Ratio	Lower	Upper
43	100		
58	22.3	26.2	39.4#





#17

Carbon Disulfide

Concen: 38.323 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 137489

Ion Ratio Lower Upper

76 100

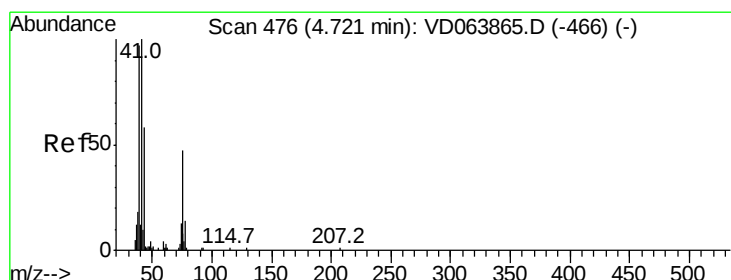
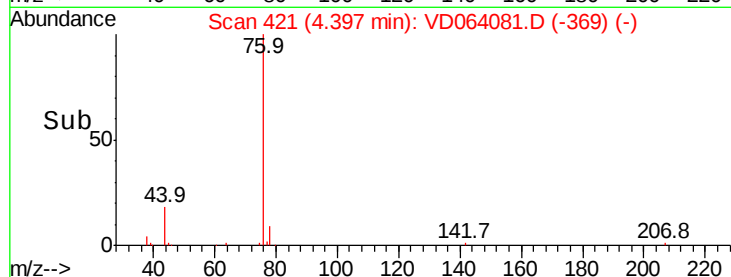
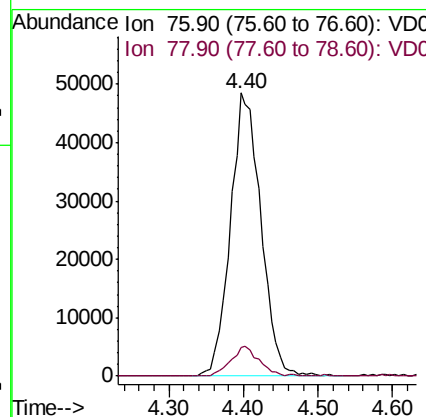
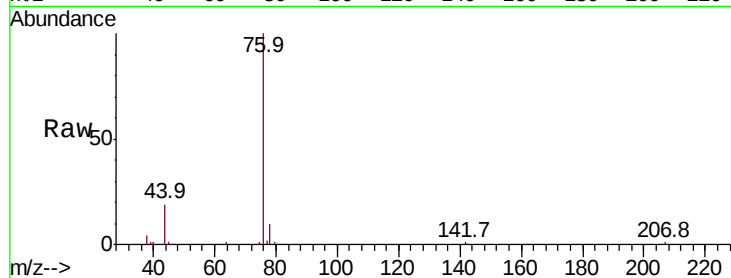
78 10.1 5.8 8.8#

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#18

Methyl Acetate

Concen: 70.202 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064081.D

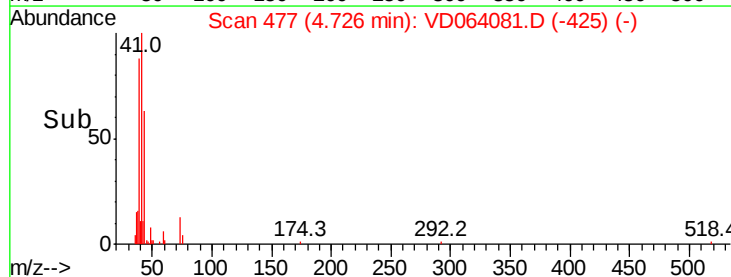
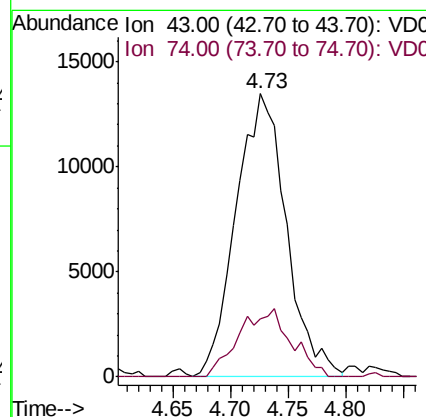
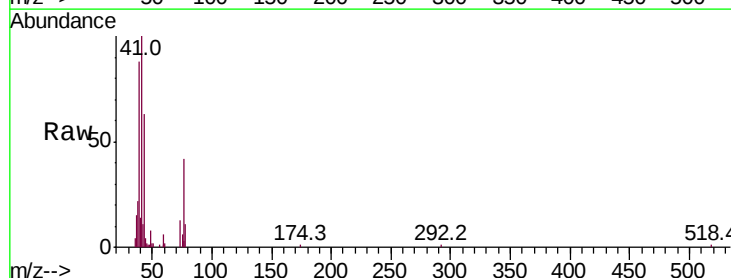
Acq: 25 Oct 2019 22:40

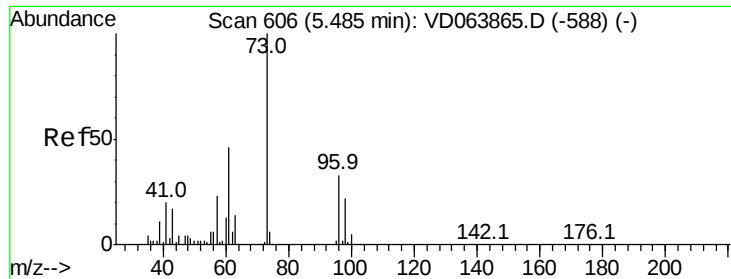
Tgt Ion: 43 Resp: 40986

Ion Ratio Lower Upper

43 100

74 24.9 20.8 31.2





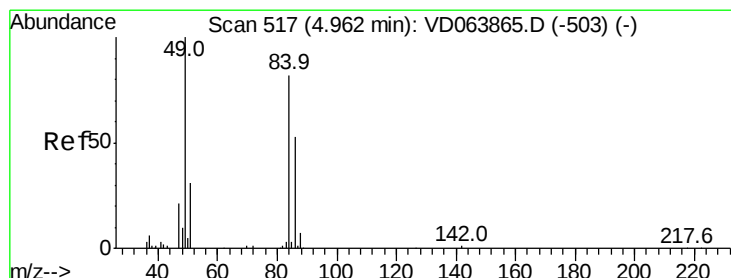
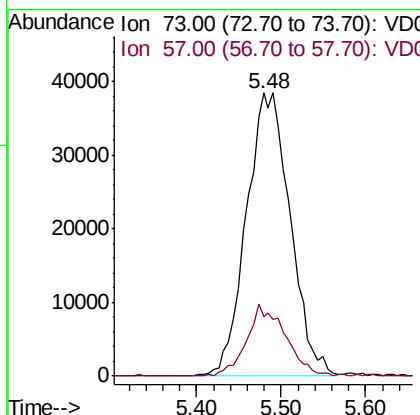
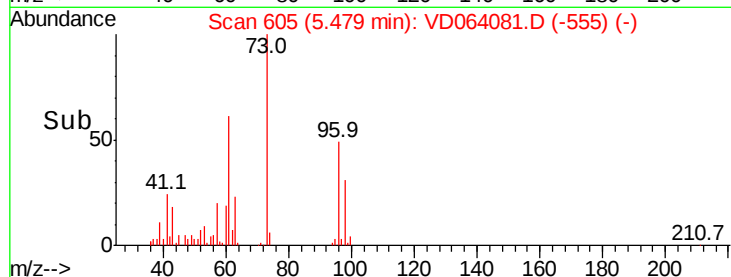
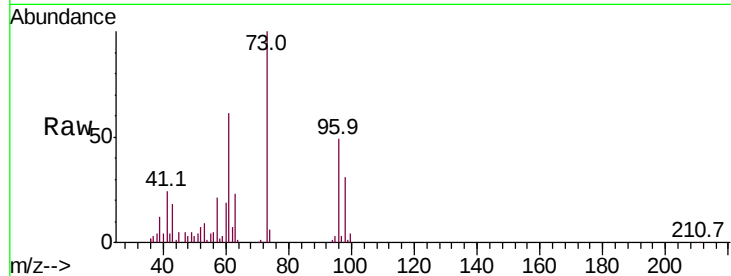
#19
Methvl tert-butvl Ether
Concen: 54.352 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 138907
Ion Ratio Lower Upper
73 100
57 20.8 18.1 27.1

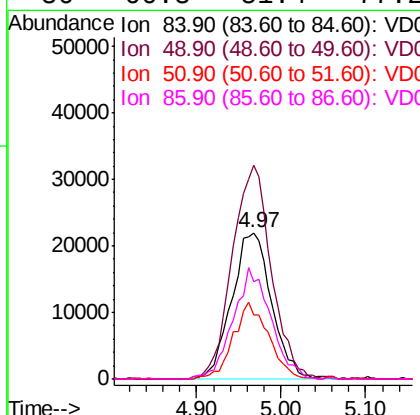
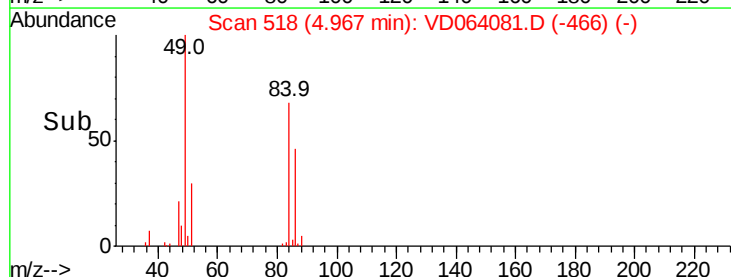
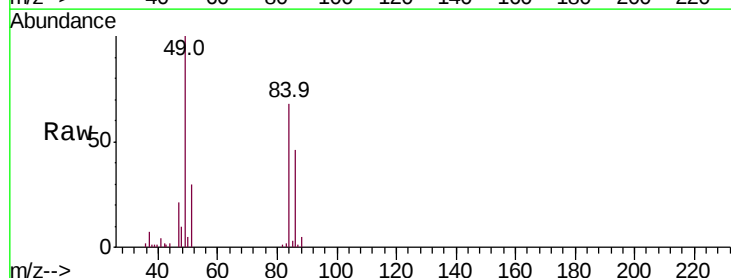
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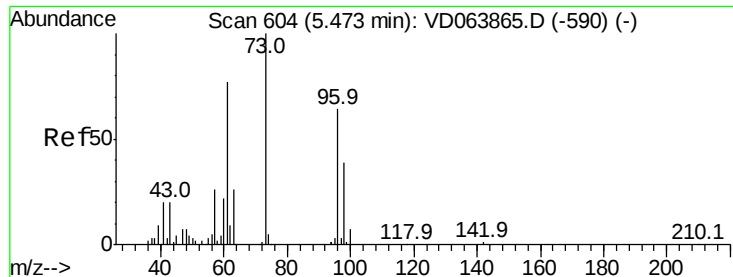
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#20
Methylene Chloride
Concen: 54.687 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion: 84 Resp: 72057
Ion Ratio Lower Upper
84 100
49 146.1 97.3 145.9#
51 44.0 30.1 45.1
86 66.8 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 51.532 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

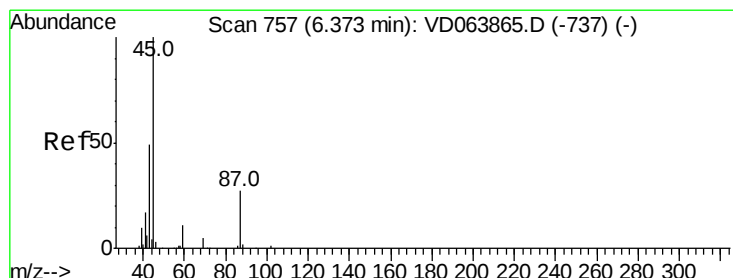
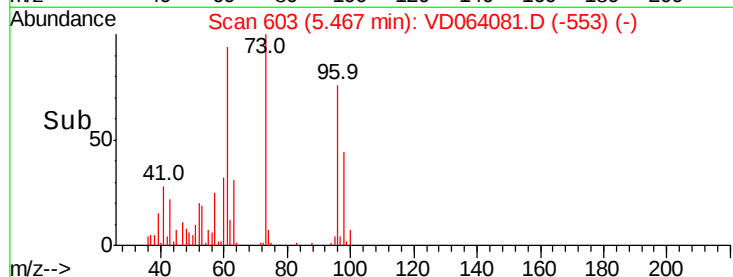
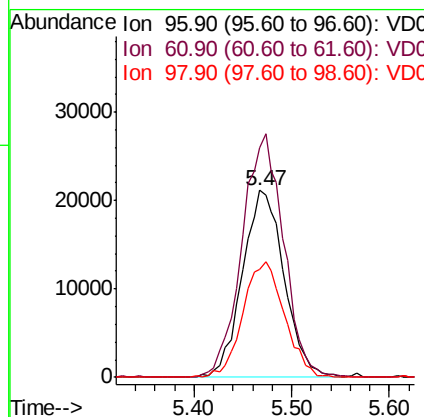
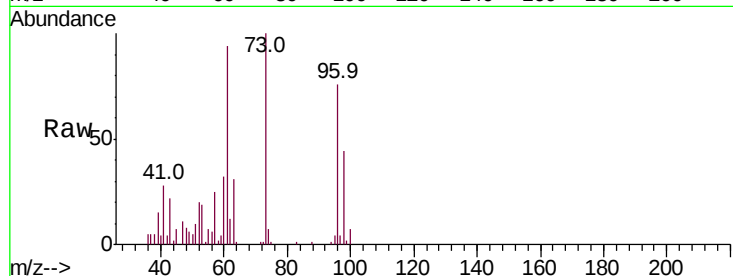
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	63314
Ion	Ratio	Lower	Upper
96	100		
61	122.7	96.6	145.0
98	58.0	48.7	73.1

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#22

Diisopropyl ether

Concen: 62.814 ug/l

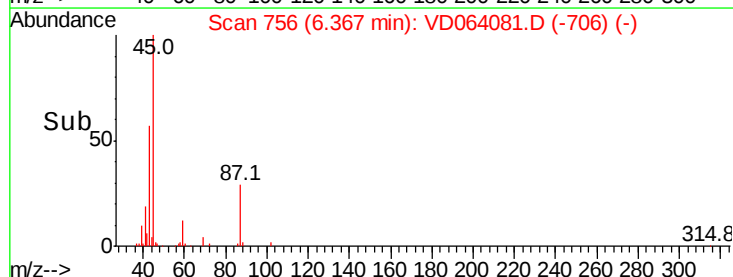
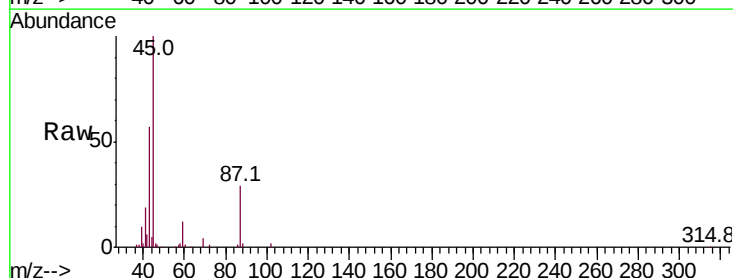
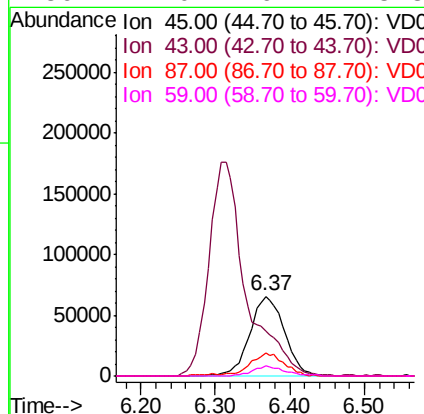
RT: 6.37 min Scan# 756

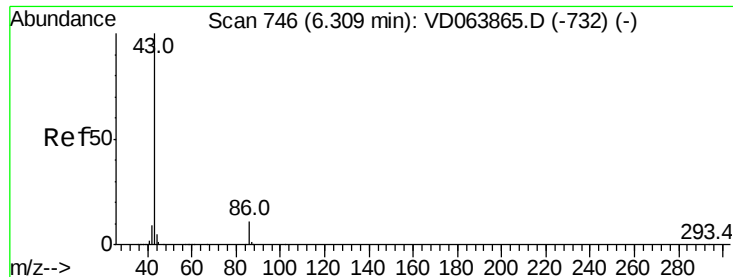
Delta R.T. -0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Tgt Ion:	45	Resp:	210498
Ion	Ratio	Lower	Upper
45	100		
43	56.1	41.2	61.8
87	28.5	22.2	33.4
59	12.0	9.2	13.8





#23

Vinyl Acetate

Concen: 303.532 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 605108

Ion Ratio Lower Upper

43 100

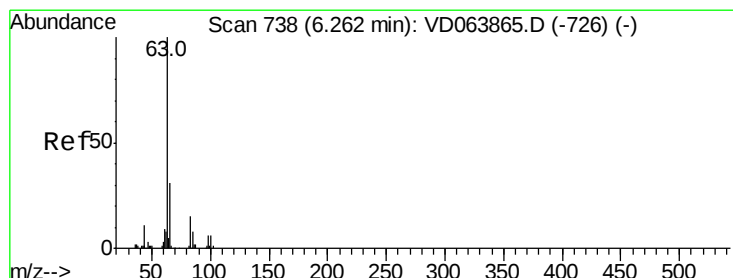
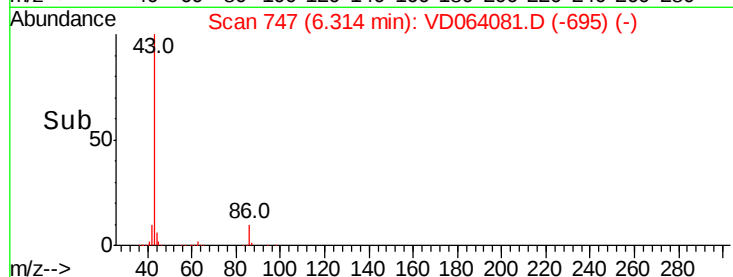
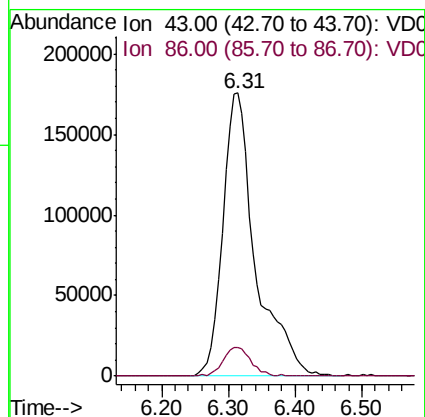
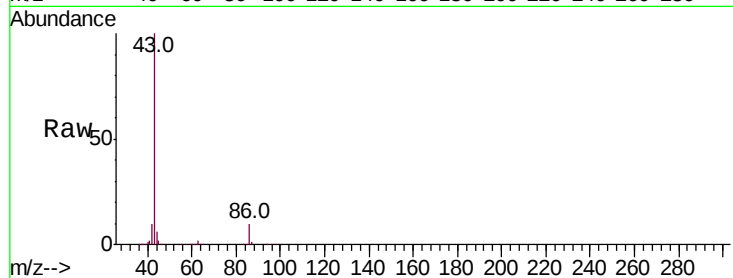
86 10.2 8.8 13.2

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#24

1,1-Dichloroethane

Concen: 57.792 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

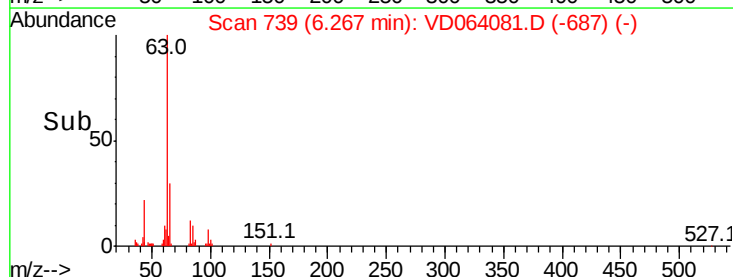
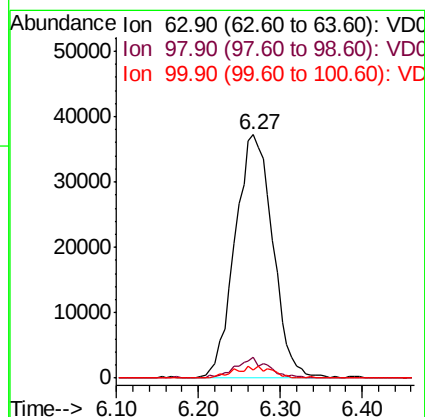
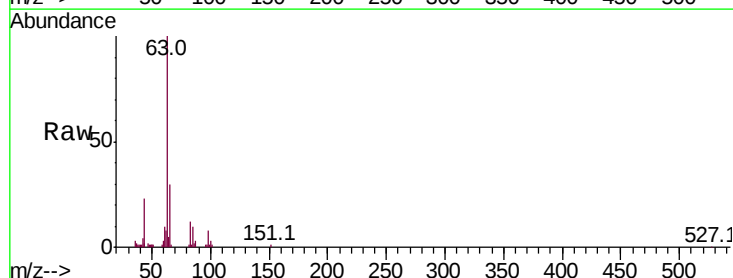
Tgt Ion: 63 Resp: 119292

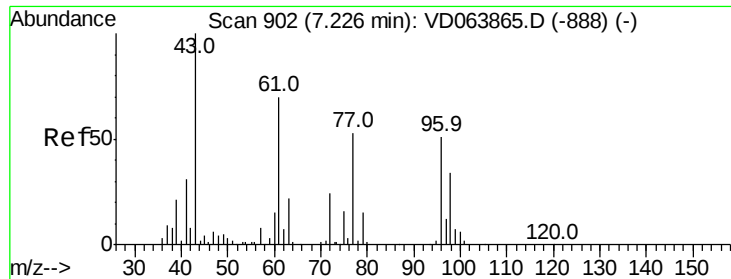
Ion Ratio Lower Upper

63 100

98 8.5 3.1 9.4

100 3.2 3.0 9.2





#25

2-Butanone

Concen: 298.057 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 105438

Ion Ratio Lower Upper

43 100

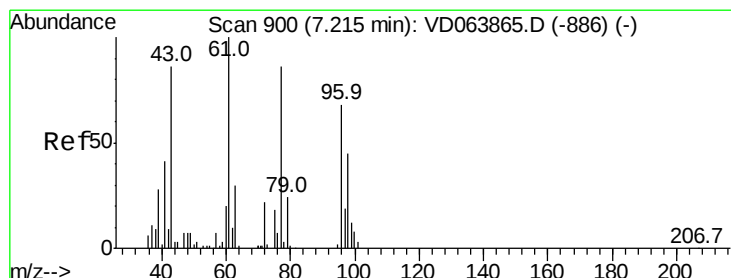
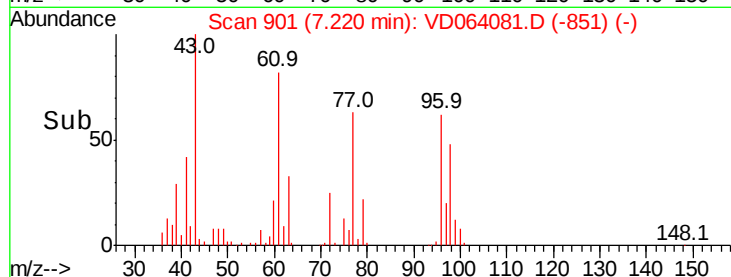
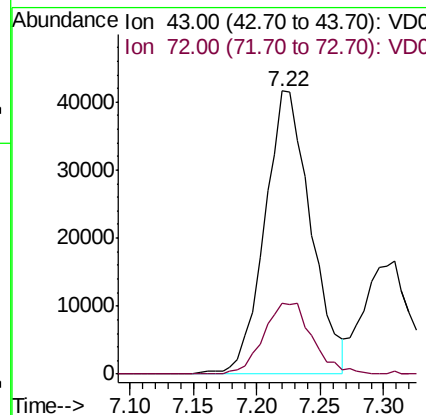
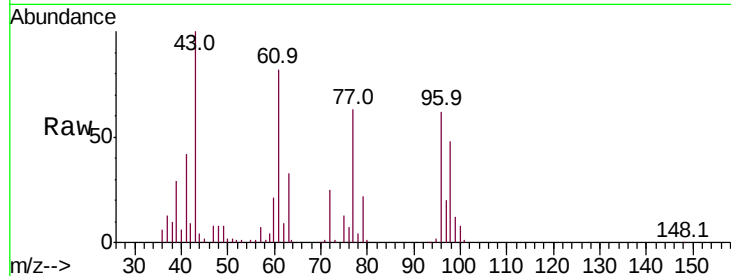
72 24.9 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.462 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064081.D

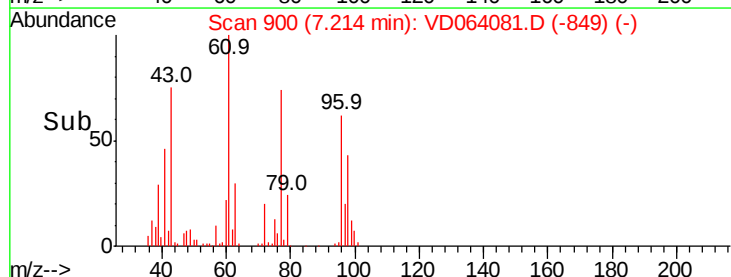
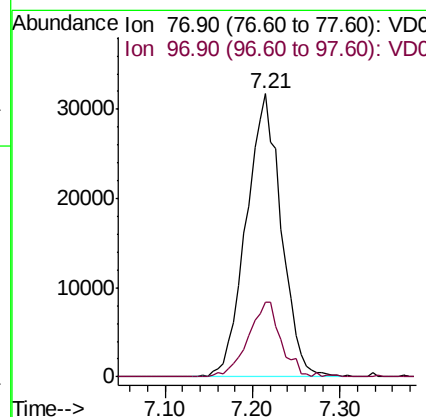
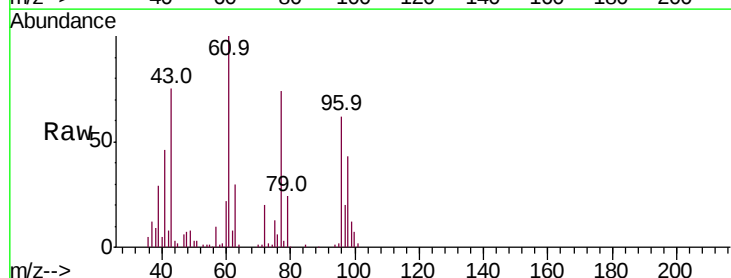
Acq: 25 Oct 2019 22:40

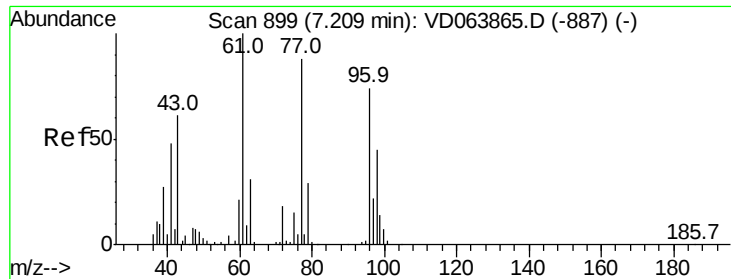
Tgt Ion: 77 Resp: 86755

Ion Ratio Lower Upper

77 100

97 24.6 11.4 34.1





#27

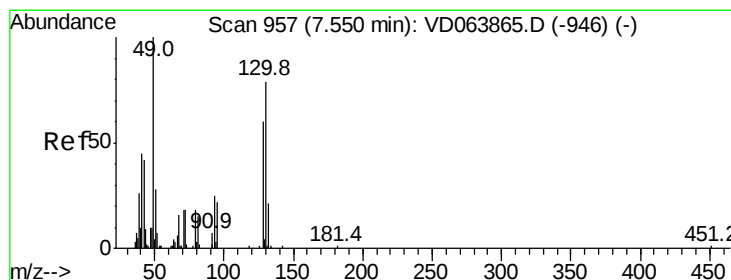
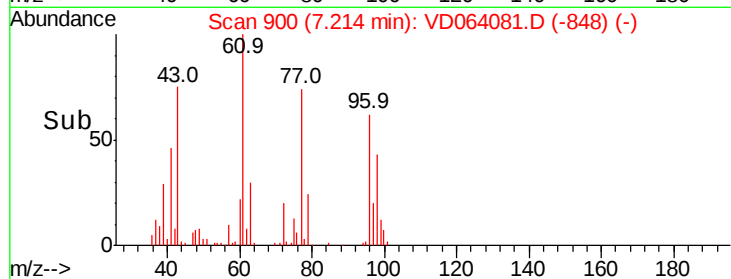
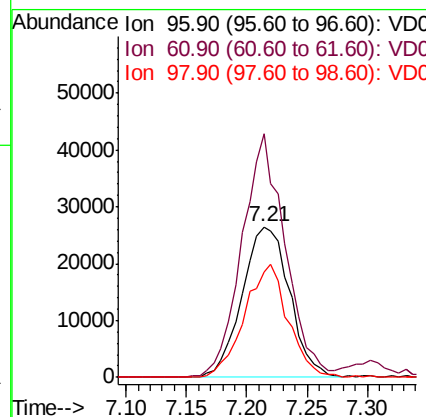
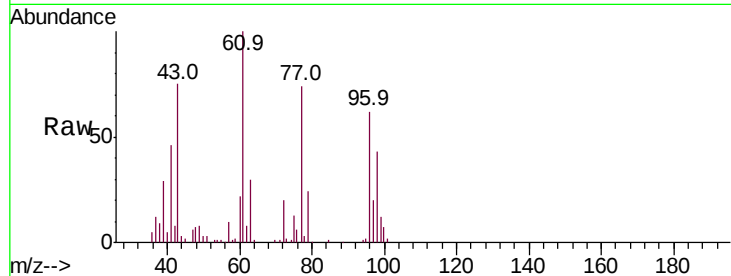
cis-1,2-Dichloroethene
 Concen: 52.022 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.5	0.0	280.0
98	69.2	0.0	130.4

Manual Integrations
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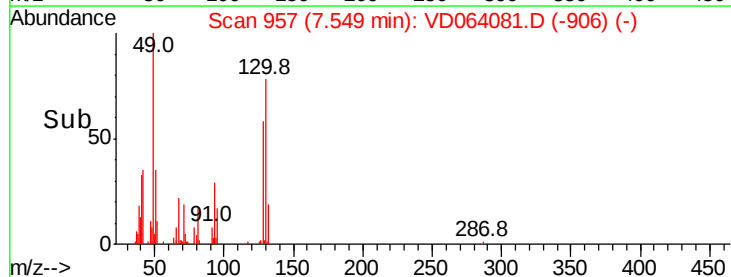
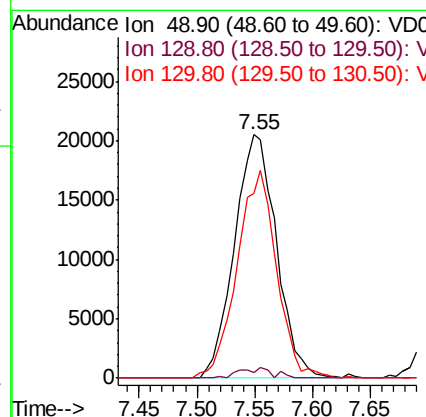
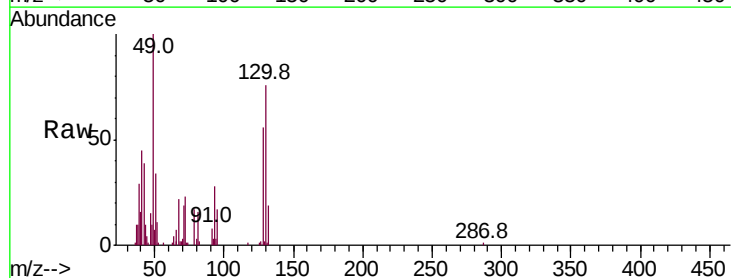
MMDadoda
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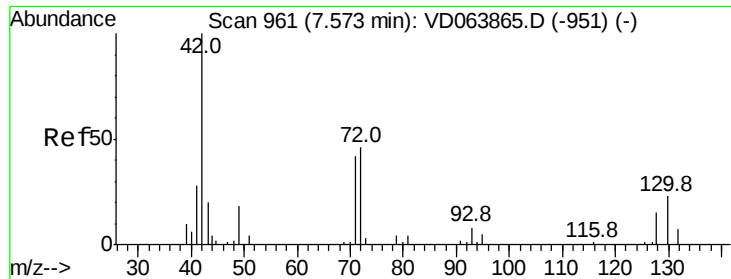


#28

Bromochloromethane
 Concen: 65.457 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	5.6
130	79.7	66.8	100.2





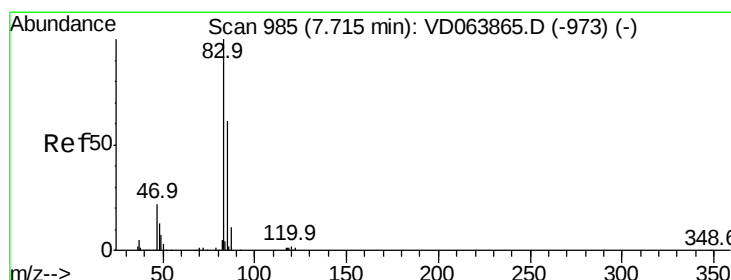
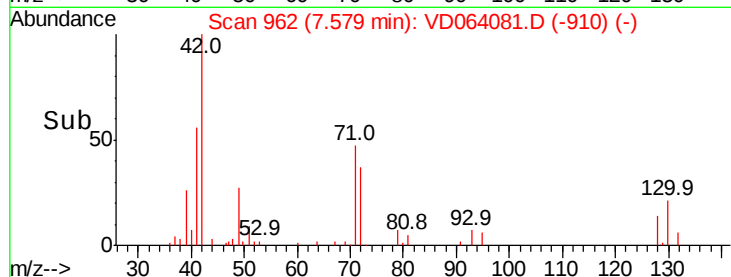
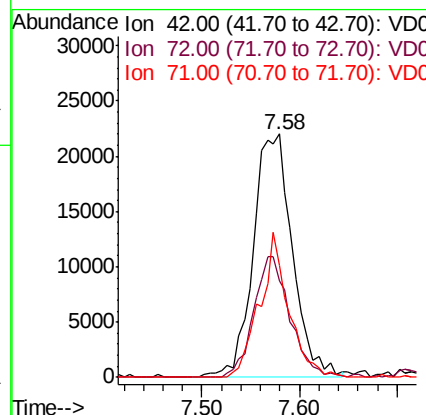
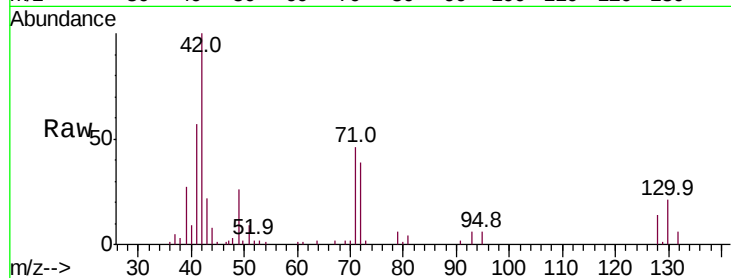
#29
Tetrahydrofuran
Concen: 299.320 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	37.6	56.4
71	43.9	35.0	52.6

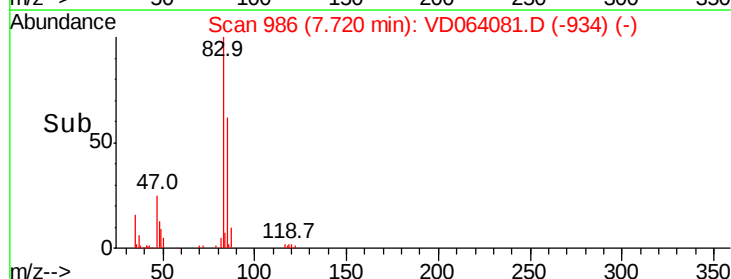
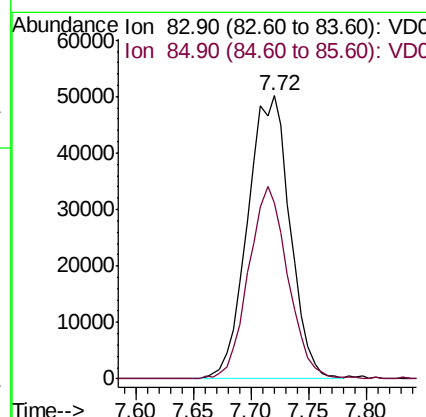
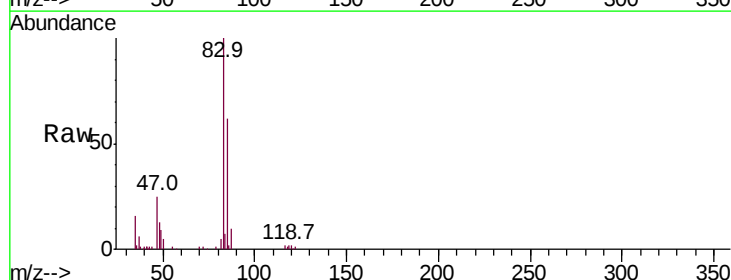
Manual Integrations
APPROVED

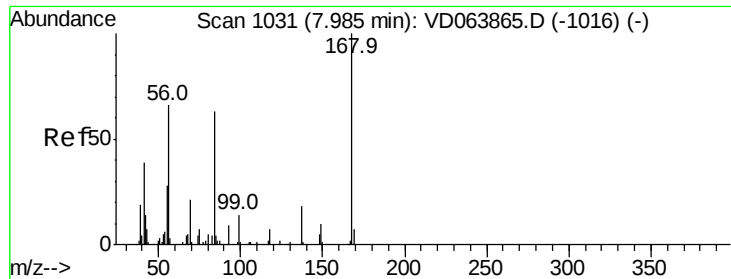
MMDadoda
10/28/2019 12:39:32 PM



#30
Chloroform
Concen: 57.134 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	48.9	73.3





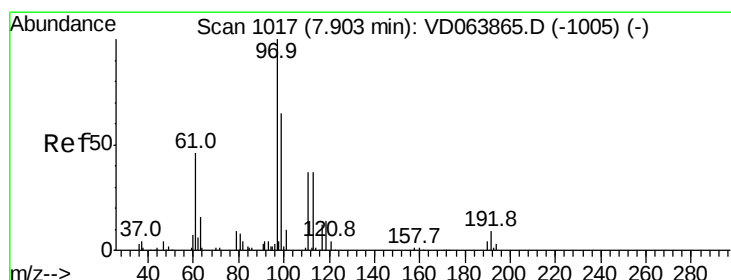
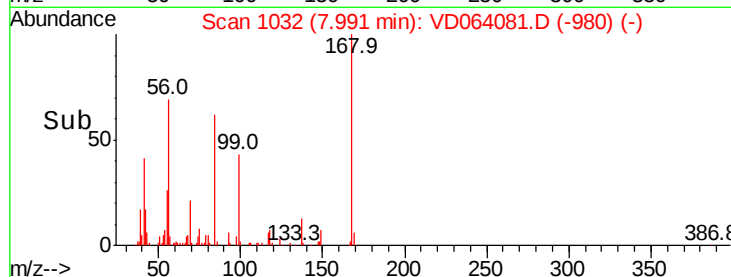
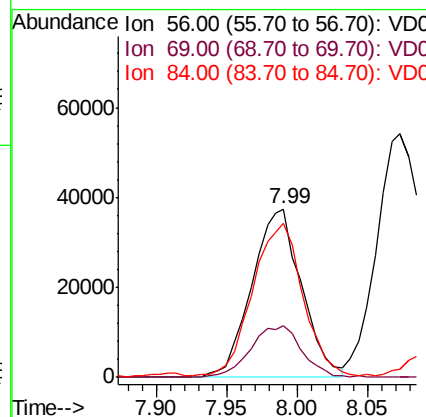
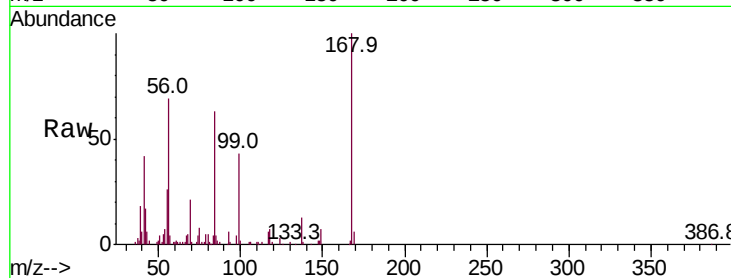
#31
Cyclohexane
Concen: 54.523 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.4	25.0	37.4
84	89.9	76.3	114.5

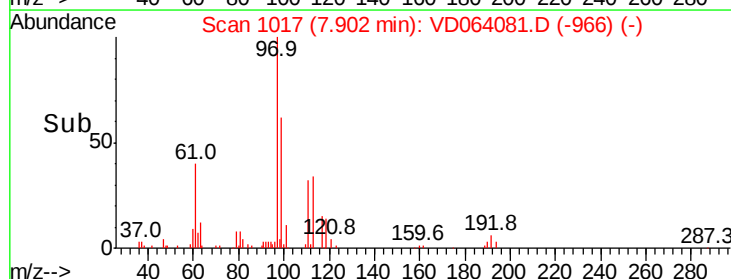
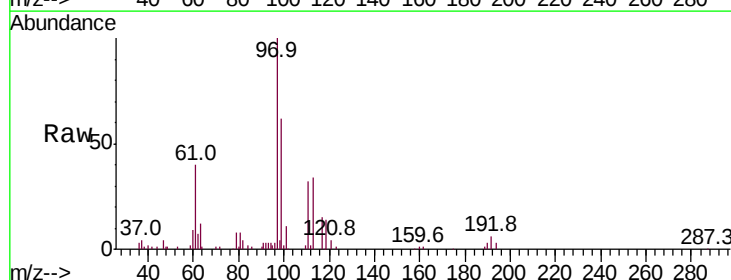
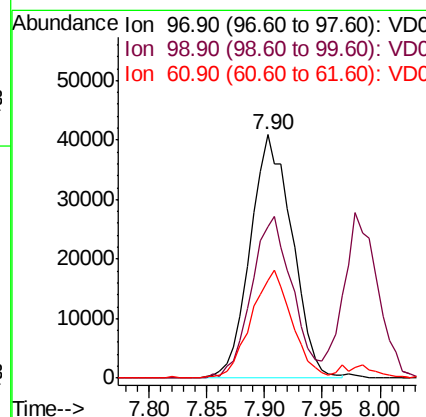
Manual Integrations
APPROVED

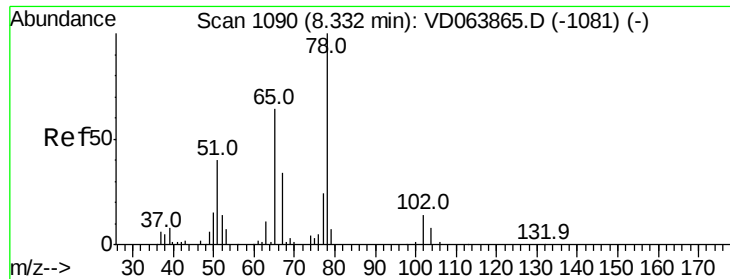
MMDadoda
10/28/2019 12:39:32 PM



#32
1,1,1-Trichloroethane
Concen: 53.662 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.4	78.6
61	43.2	33.8	50.8





#33

1,2-Dichloroethane-d4

Concen: 57.264 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 65653

Ion Ratio Lower Upper

65 100

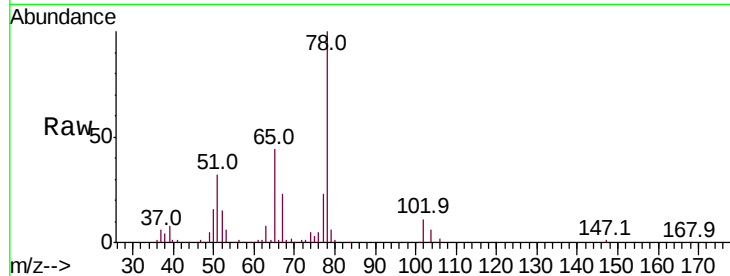
67 52.0 0.0 106.4

Manual Integrations

APPROVED

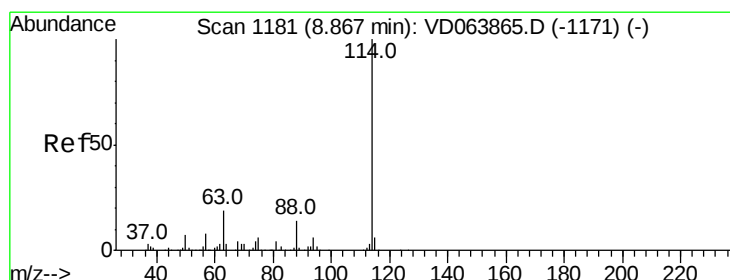
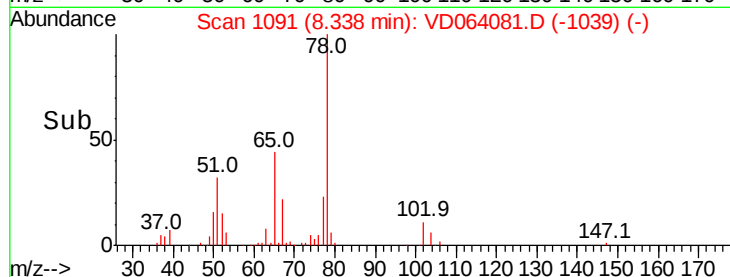
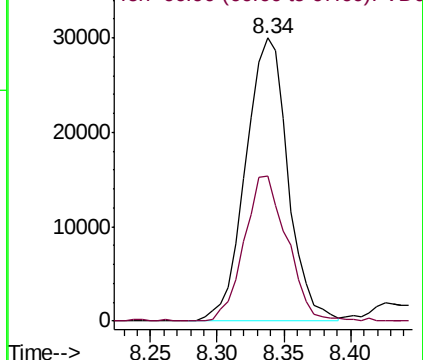
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

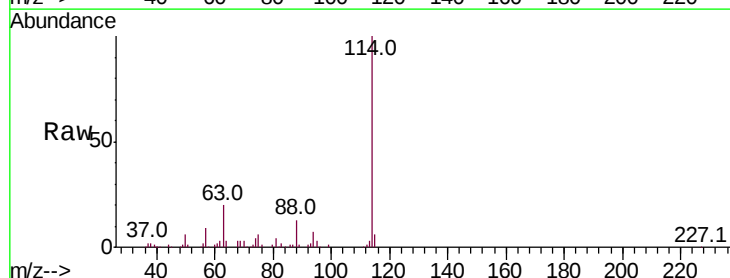
Tgt Ion:114 Resp: 193787

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.4

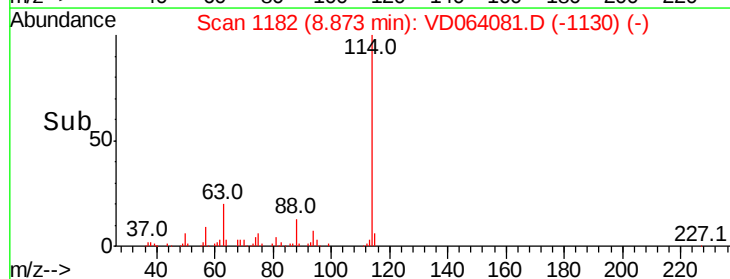
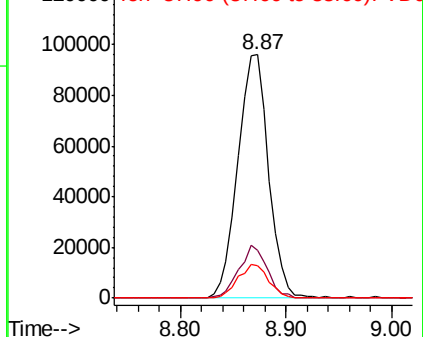
88 13.1 0.0 27.4

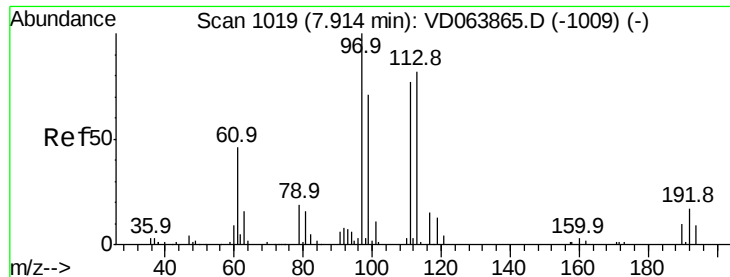


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





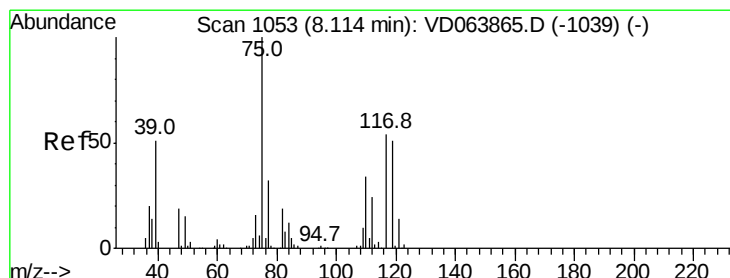
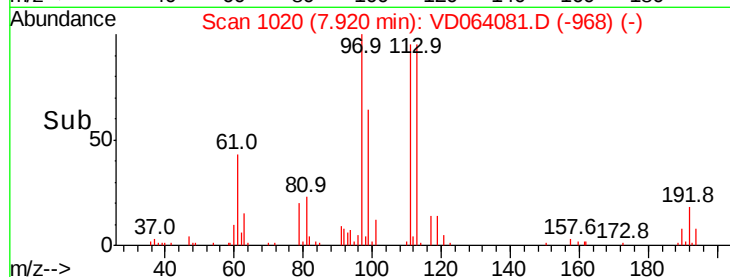
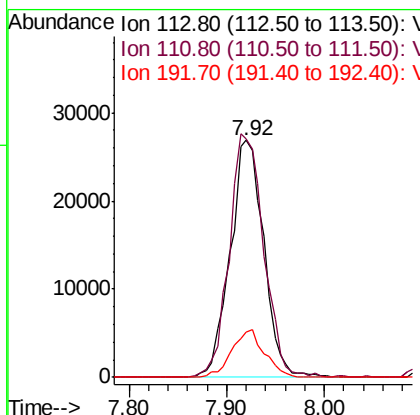
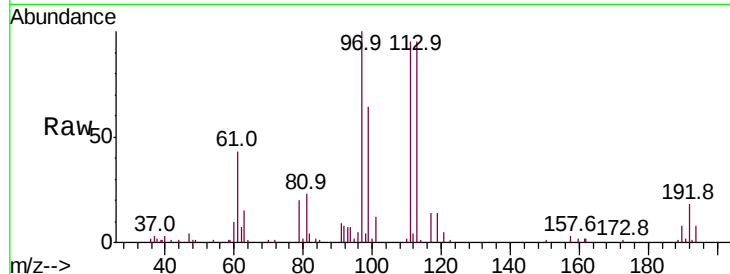
#35
 Dibromofluoromethane
 Concen: 54.211 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.2	82.6	123.8
192	19.5	17.1	25.7

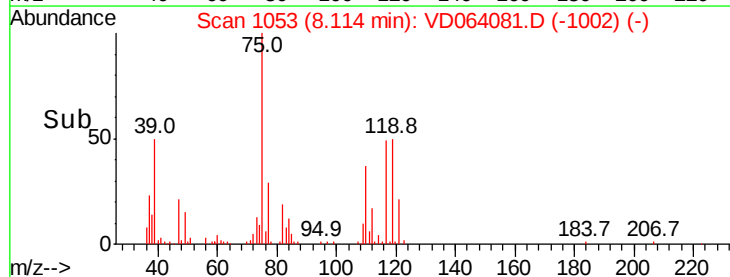
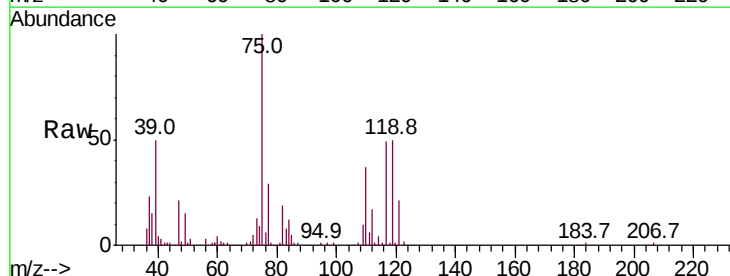
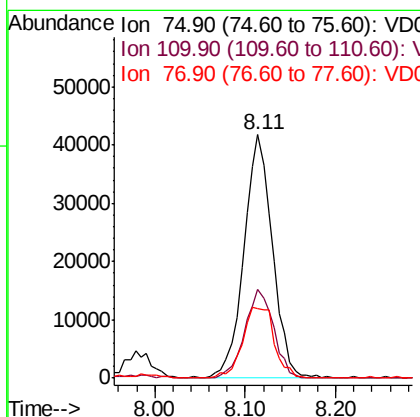
Manual Integrations
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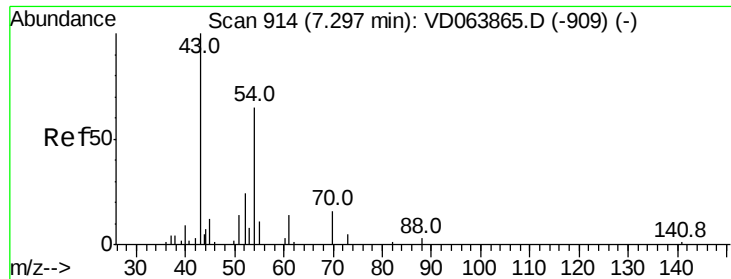
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 51.360 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	17.4	52.3
77	32.4	25.4	38.0





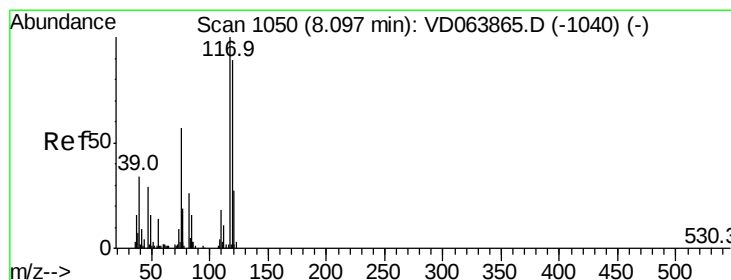
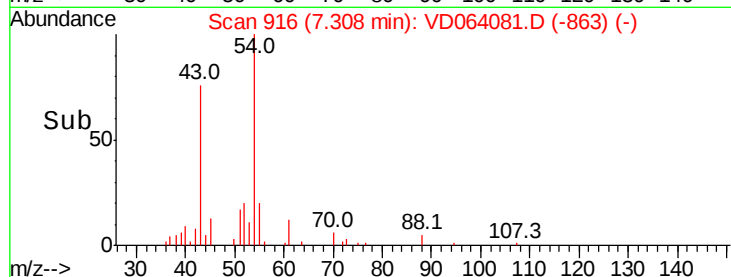
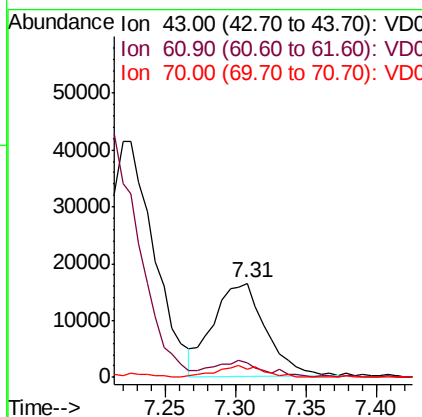
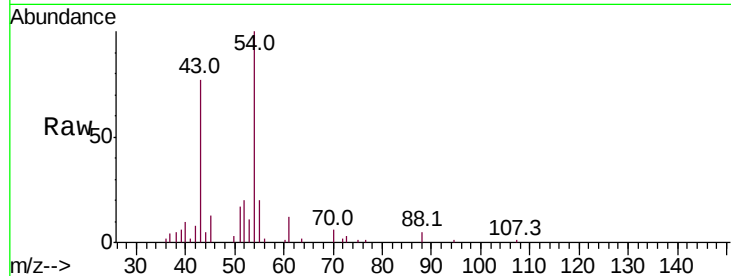
#37
Ethyl Acetate
Concen: 60.691 ug/l
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	42514
Ion	Ratio	Lower	Upper
43	100		
61	16.5	11.5	17.3
70	10.5	8.2	12.4

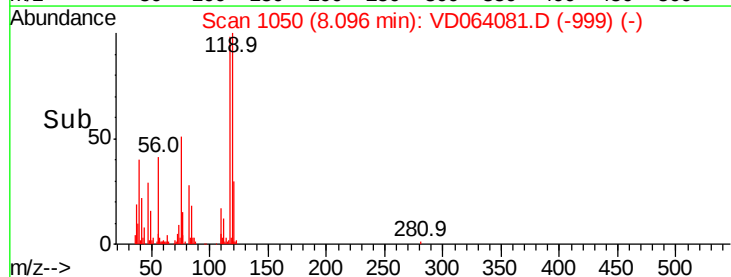
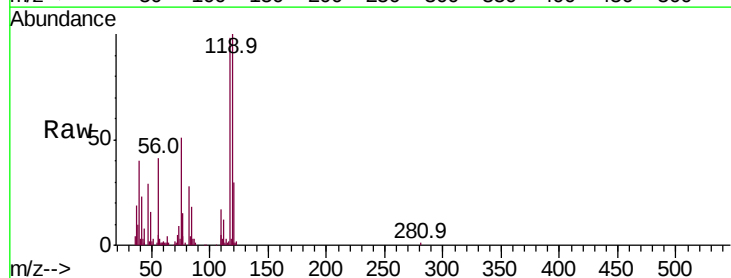
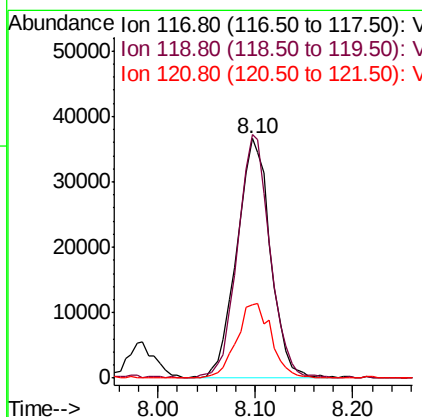
Manual Integrations
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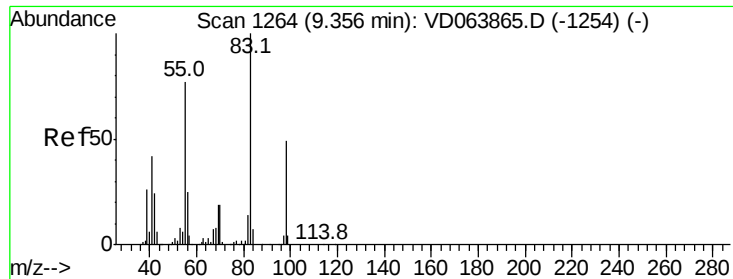
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.220 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion:	117	Resp:	88130
Ion	Ratio	Lower	Upper
117	100		
119	101.7	70.8	106.2
121	30.7	21.4	32.0





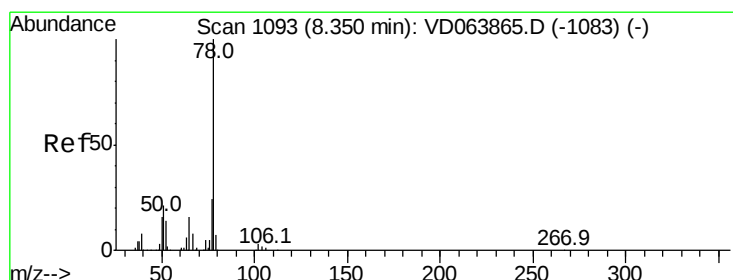
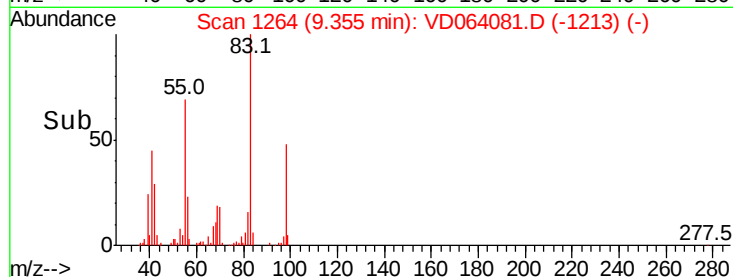
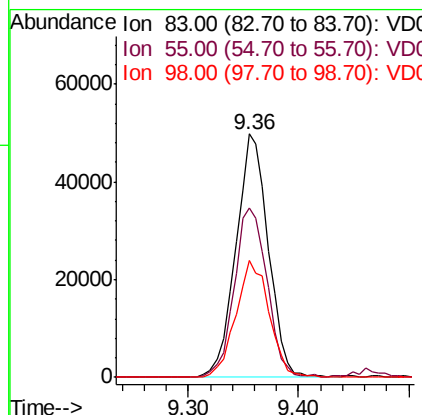
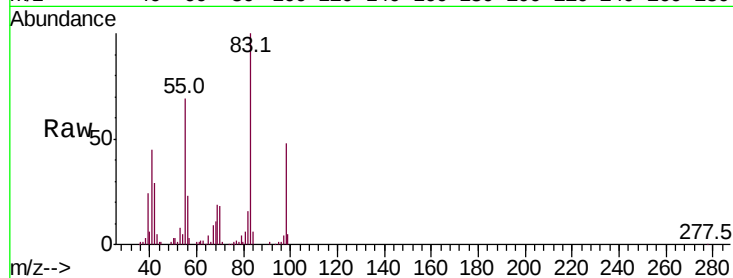
#39
Methylvlcvclohexane
Concen: 47.079 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.4	61.3	91.9
98	48.0	39.3	58.9

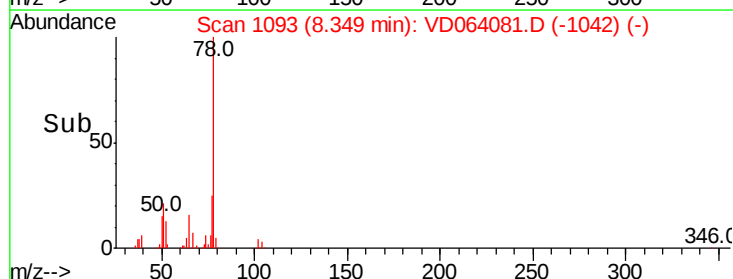
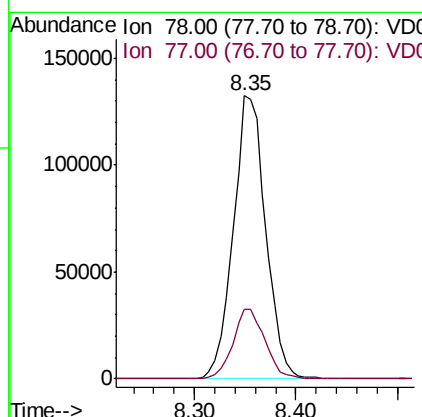
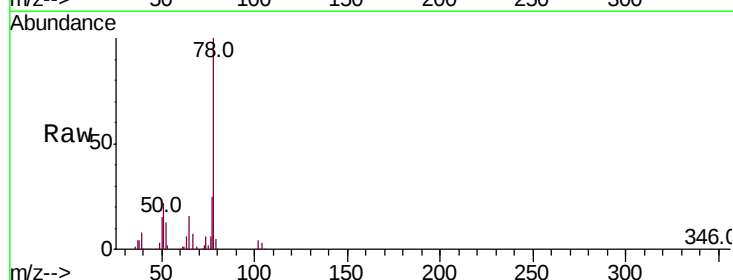
Manual Integrations
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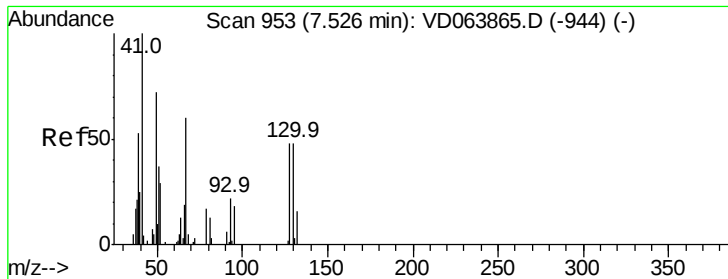
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#40
Benzene
Concen: 57.779 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.0	28.6





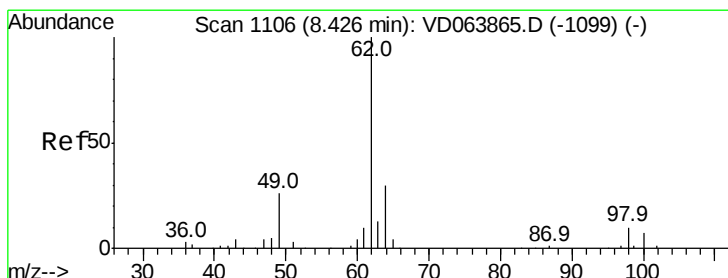
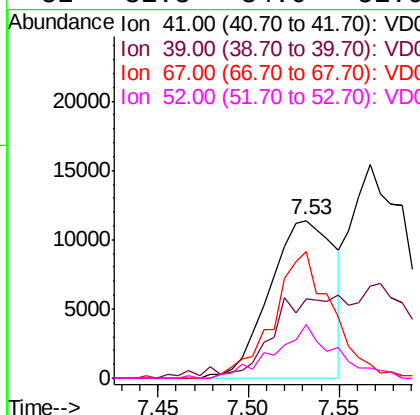
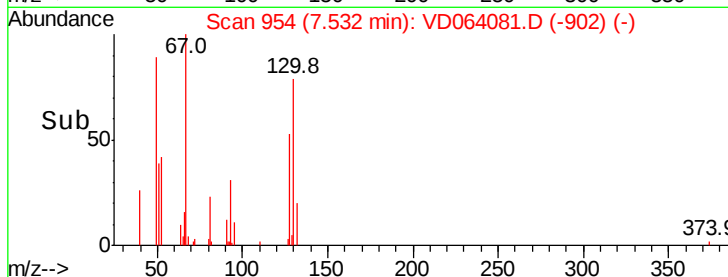
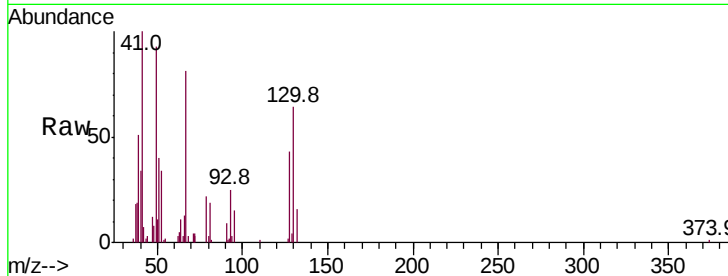
#41
Methacrylonitrile
Concen: 69.334 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	43.7	52.6	78.8#
67	72.6	74.2	111.2#
52	31.3	34.0	51.0#

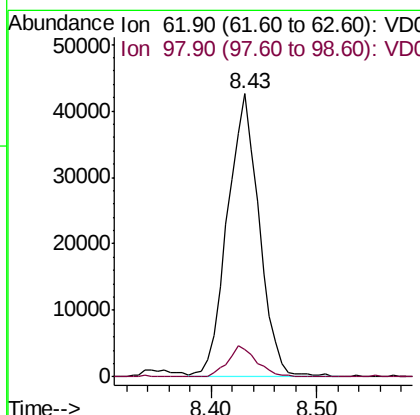
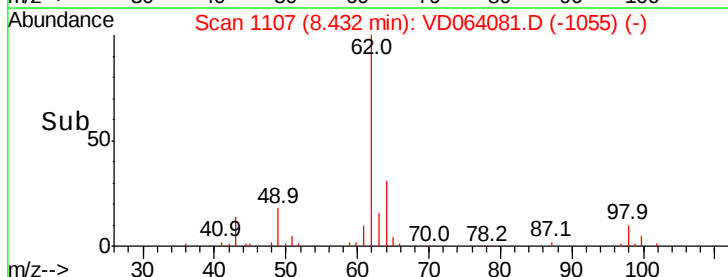
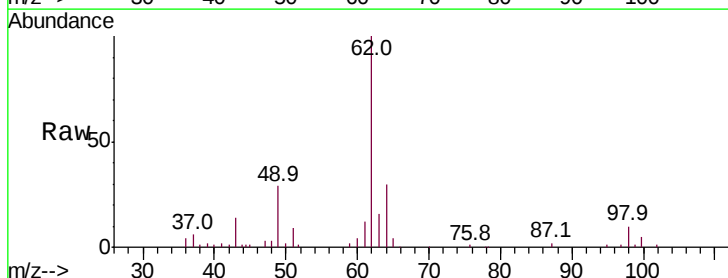
Manual Integrations
APPROVED

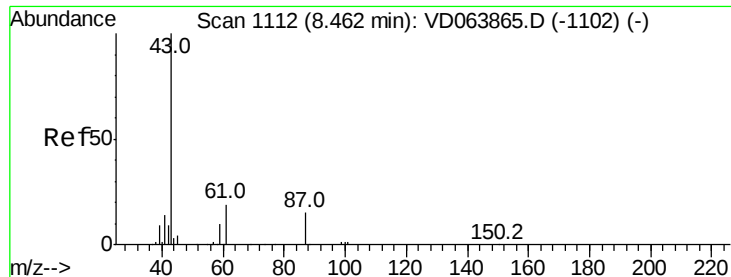
MMDadoda
10/28/2019 12:39:32 PM



#42
1,2-Dichloroethane
Concen: 60.304 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.0





#43

Isopropyl Acetate

Concen: 55.726 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

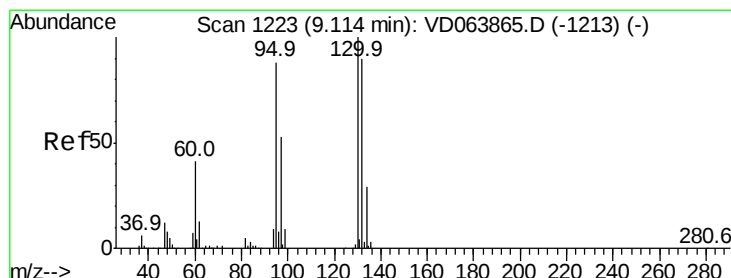
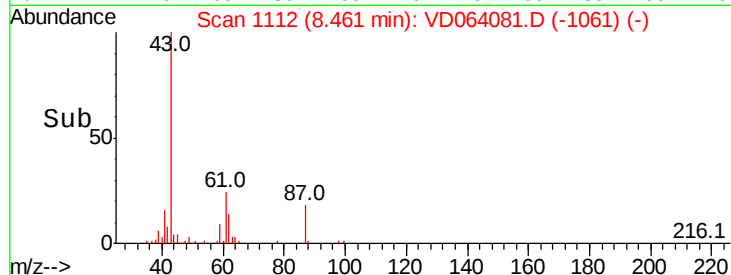
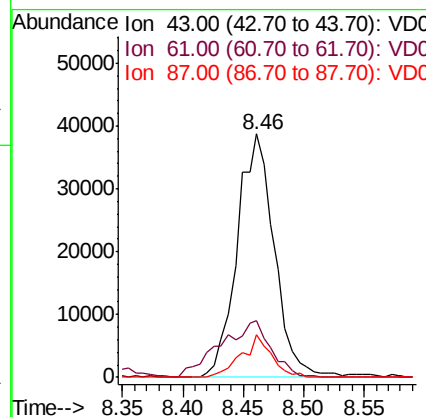
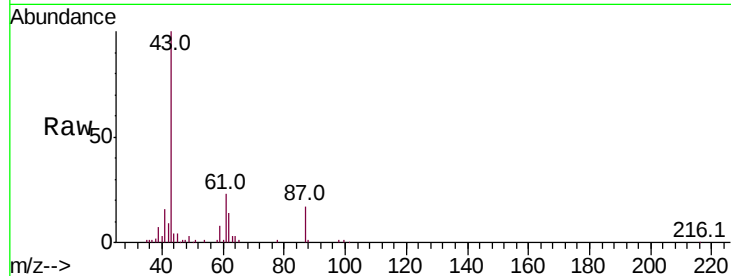
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	82805
Ion	Ratio	Lower	Upper
43	100		
61	31.7	25.7	38.5
87	14.1	11.6	17.4

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#44

Trichloroethene

Concen: 51.635 ug/l

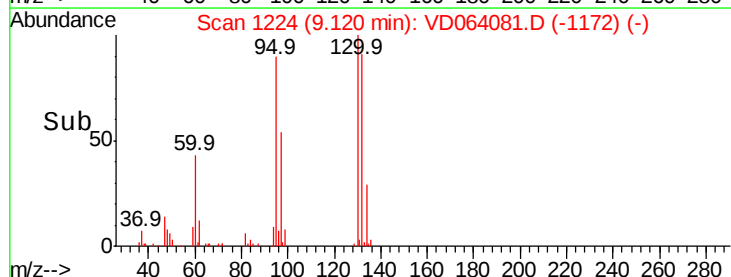
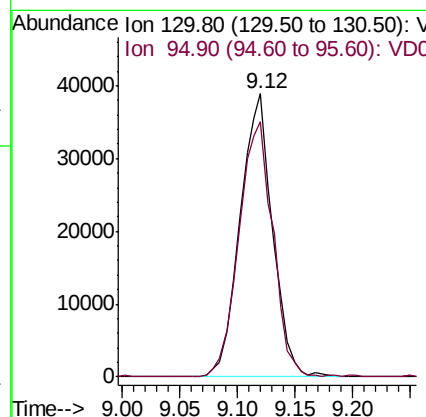
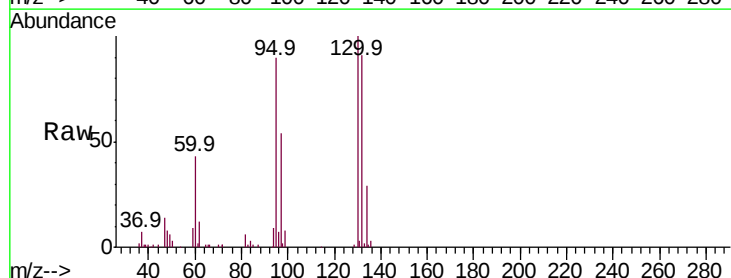
RT: 9.12 min Scan# 1224

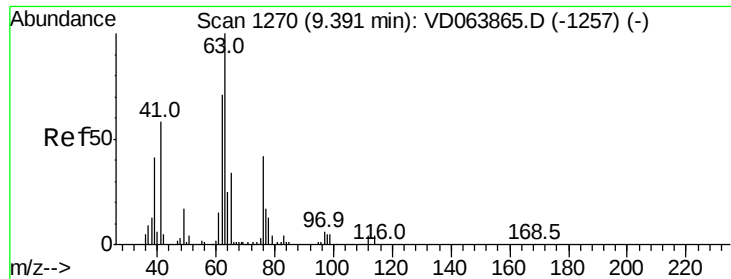
Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Tgt Ion:	130	Resp:	75603
Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	175.6





#45

1,2-Dichloropropane

Concen: 60.207 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 74826

Ion Ratio Lower Upper

63 100

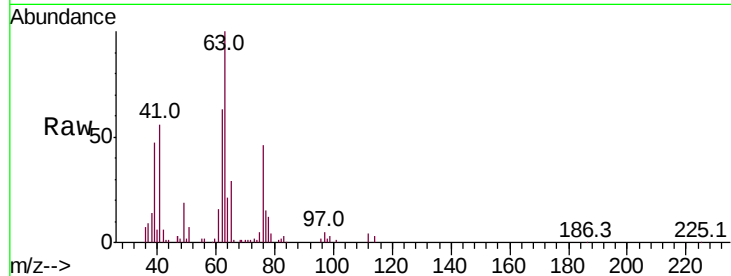
65 29.4 27.3 40.9

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

40000

30000

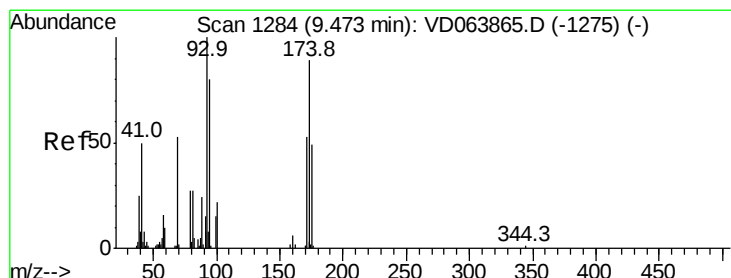
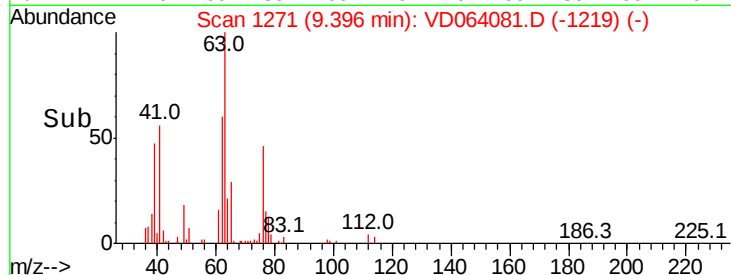
20000

10000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 62.069 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

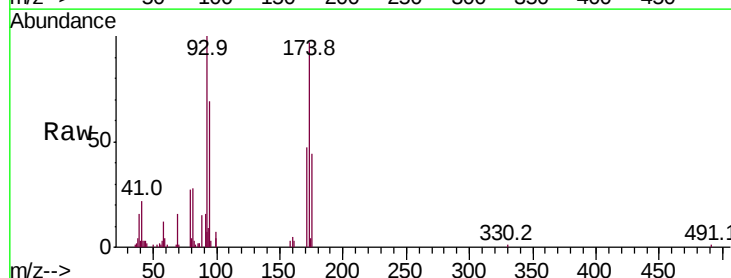
Tgt Ion: 93 Resp: 43932

Ion Ratio Lower Upper

93 100

95 81.8 66.0 99.0

174 106.3 83.4 125.0



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

30000

25000

20000

15000

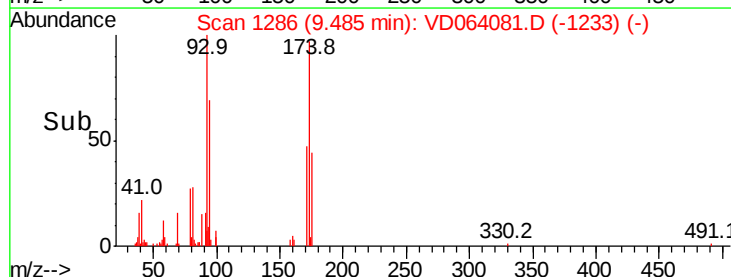
10000

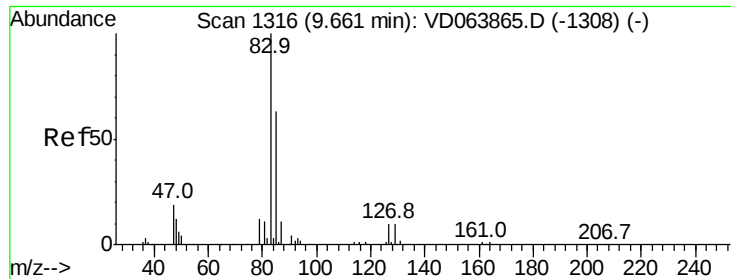
5000

0

9.40 9.45 9.50 9.55

Time-->





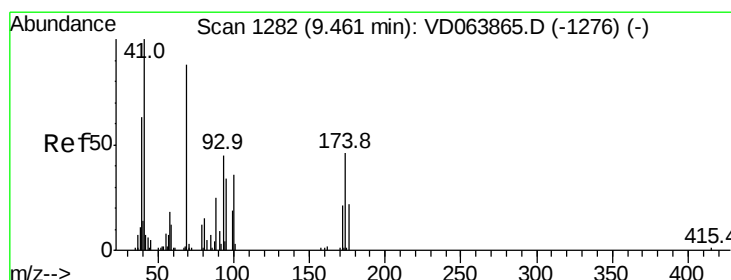
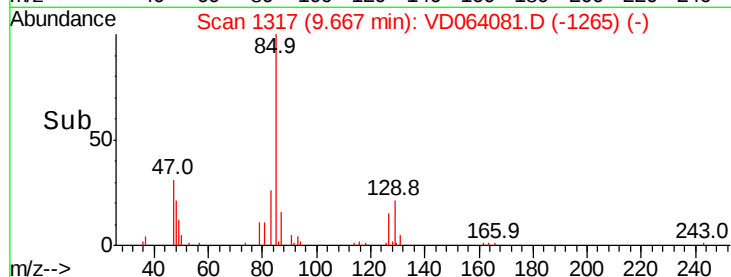
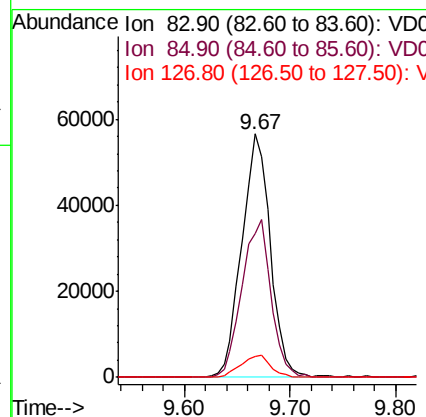
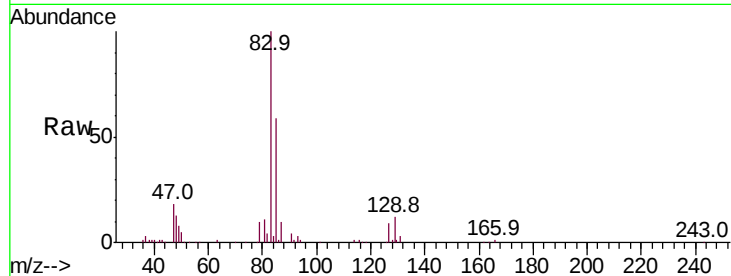
#47
Bromodichloromethane
Concen: 58.219 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Ratio	100	Resp	106094
Ion	83	100		Lower	Upper
	85	59.3		50.2	75.2
	127	8.8		7.6	11.4

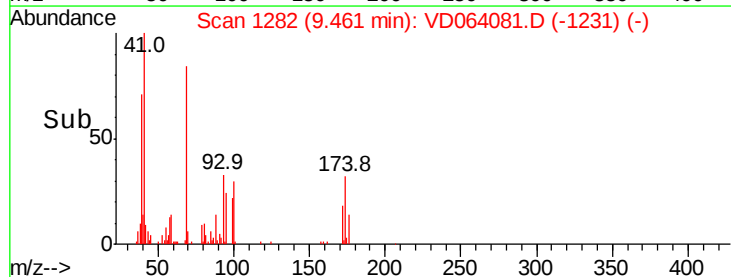
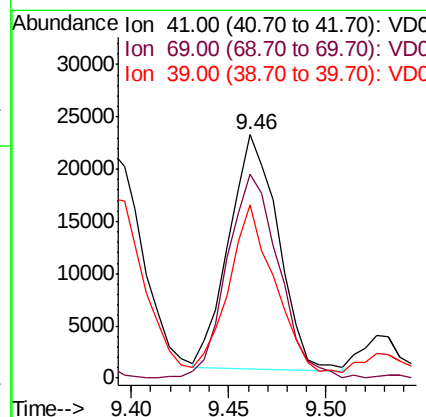
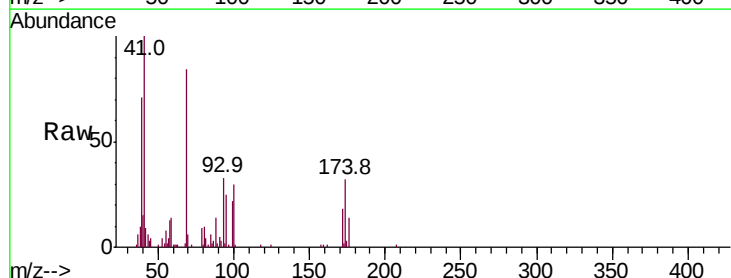
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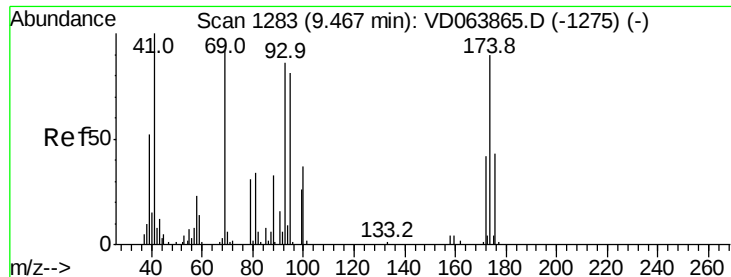
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#48
Methyl methacrylate
Concen: 54.720 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion	41	Ratio	100	Resp	38958
Ion	41	100		Lower	Upper
	69	91.8		75.1	112.7
	39	72.9		50.2	75.2





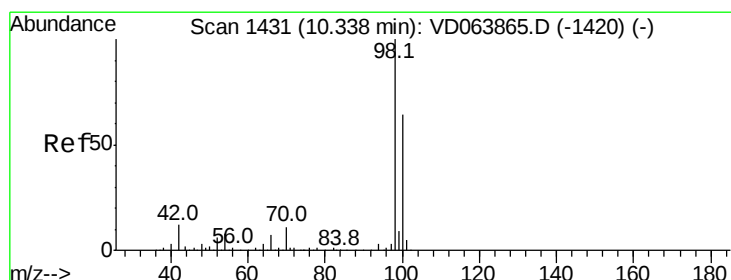
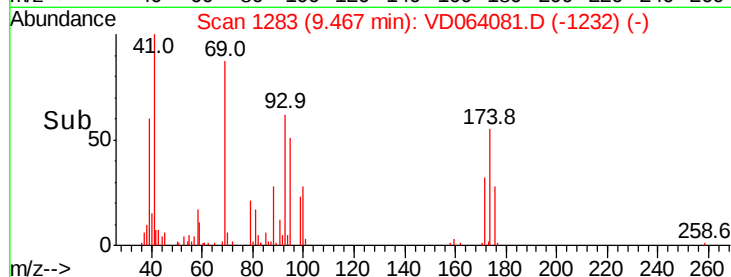
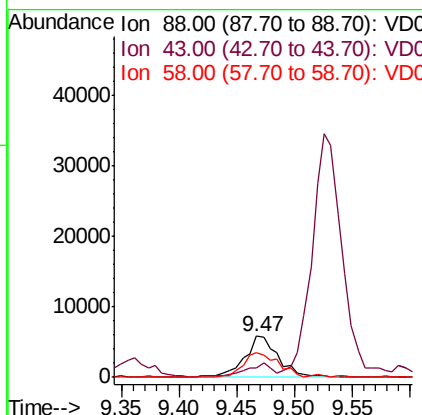
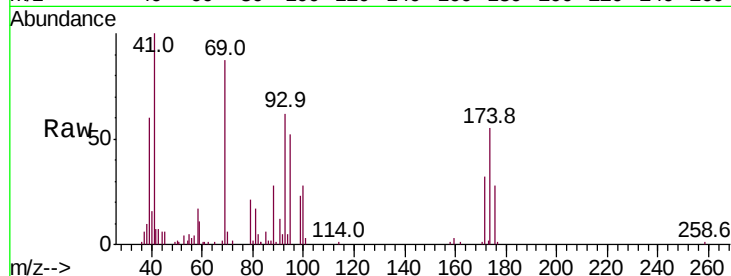
#49
1,4-Dioxane
Concen: 1232.224 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.8	27.6	41.4
58	62.5	54.1	81.1

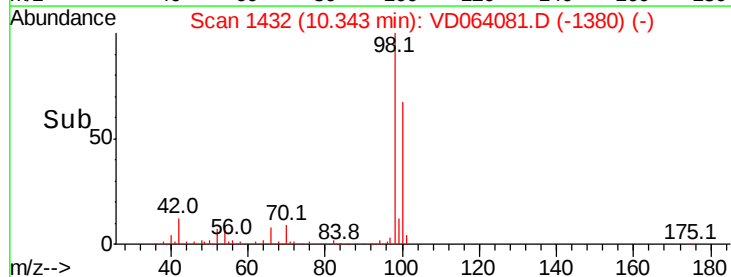
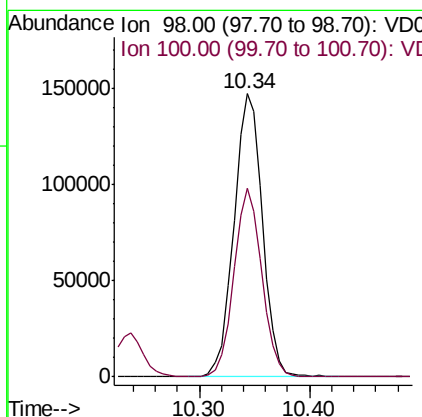
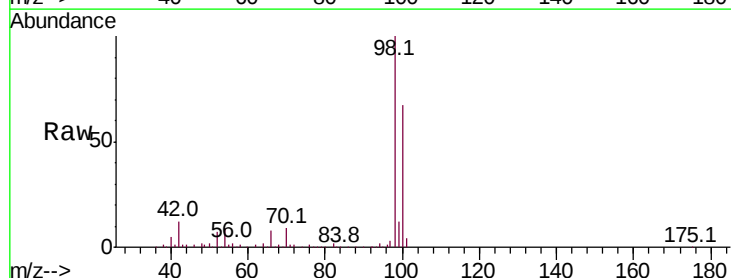
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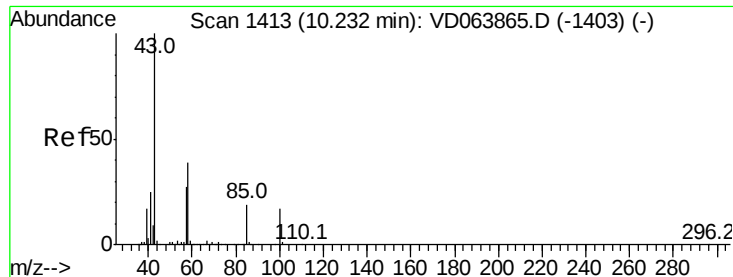
MMDadoda
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#50
Toluene-d8
Concen: 55.554 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 294.710 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 227114

Ion Ratio Lower Upper

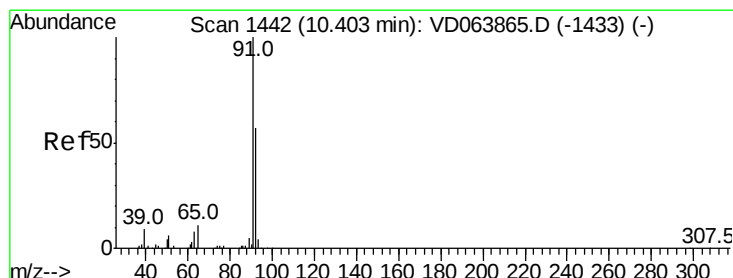
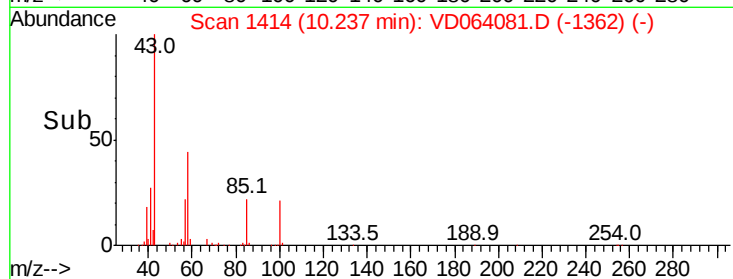
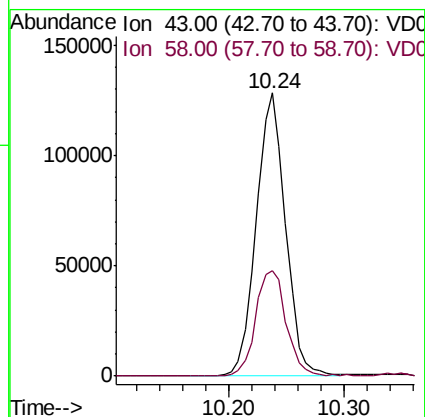
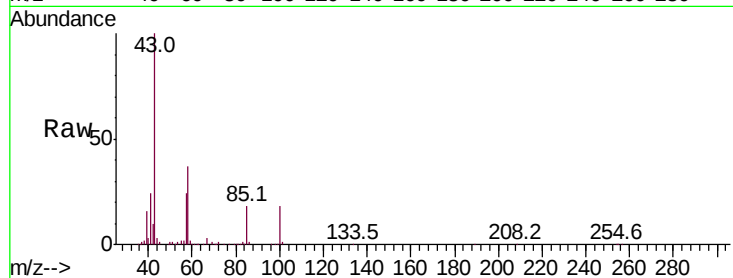
43 100

58 38.9 33.0 49.4

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#52

Toluene

Concen: 58.045 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064081.D

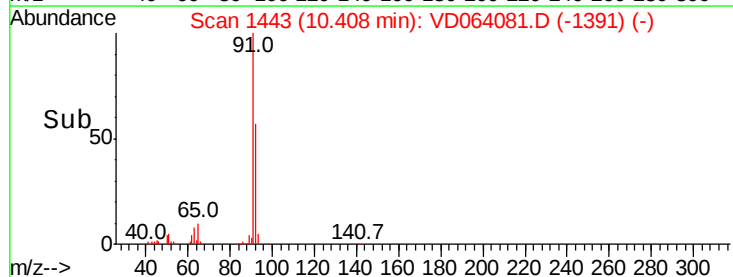
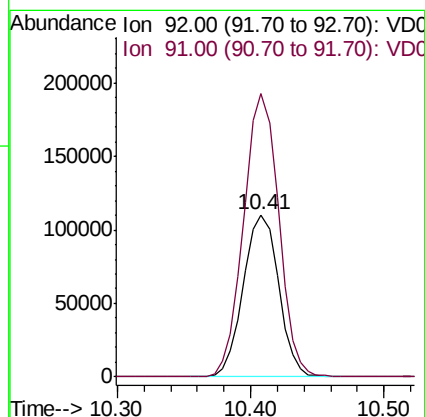
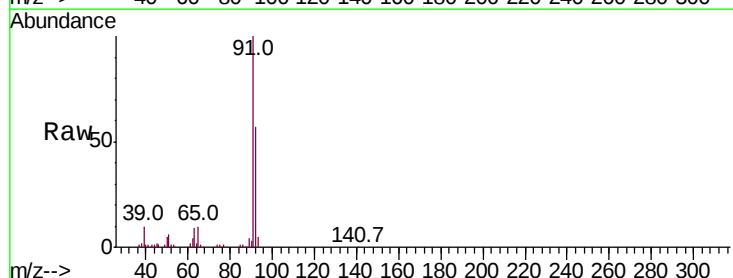
Acq: 25 Oct 2019 22:40

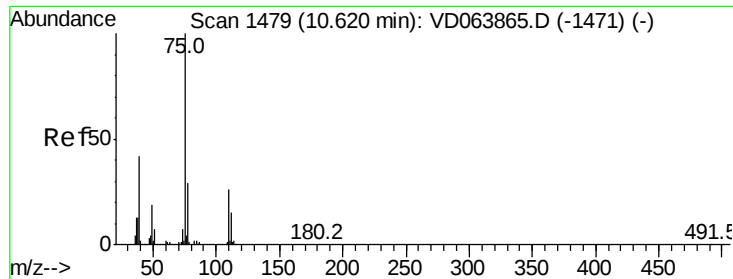
Tgt Ion: 92 Resp: 202323

Ion Ratio Lower Upper

92 100

91 173.7 139.5 209.3





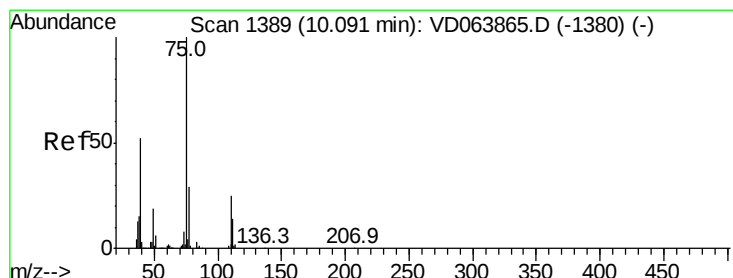
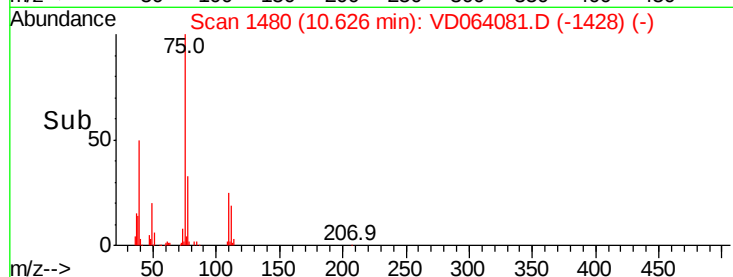
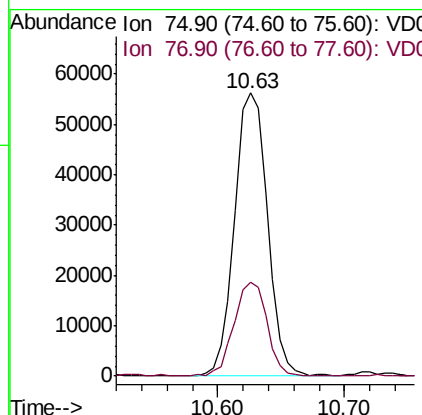
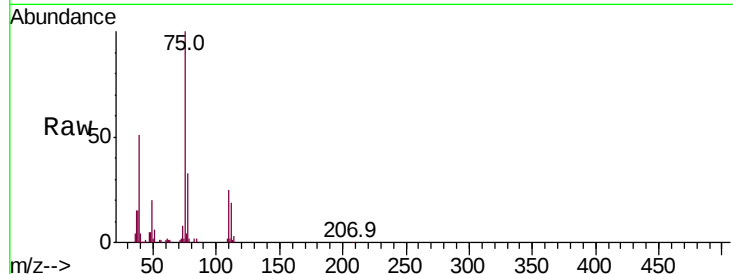
#53
 t-1,3-Dichloropropene
 Concen: 56.854 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.1	22.8	34.2

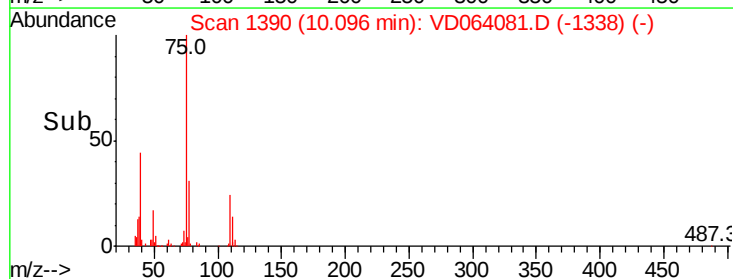
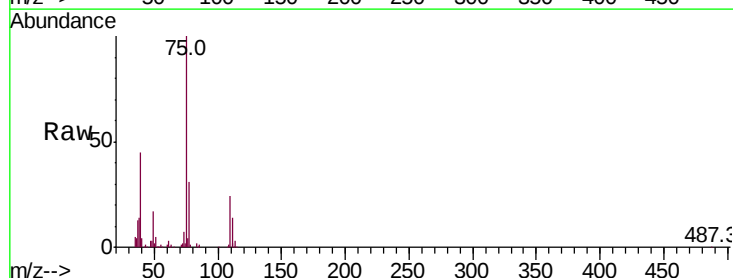
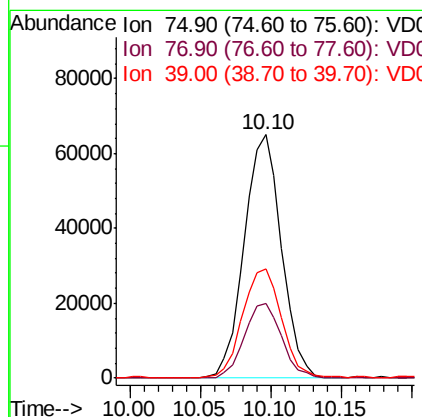
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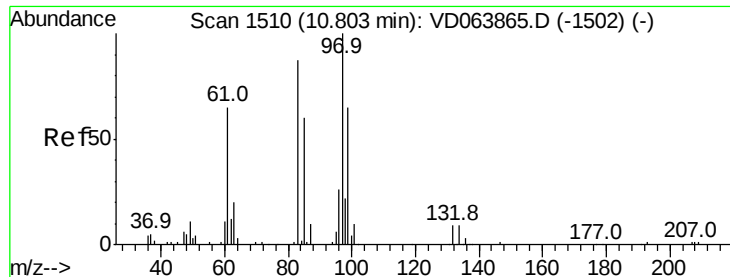
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#54
 cis-1,3-Dichloropropene
 Concen: 58.760 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	23.2	34.8
39	44.7	41.5	62.3





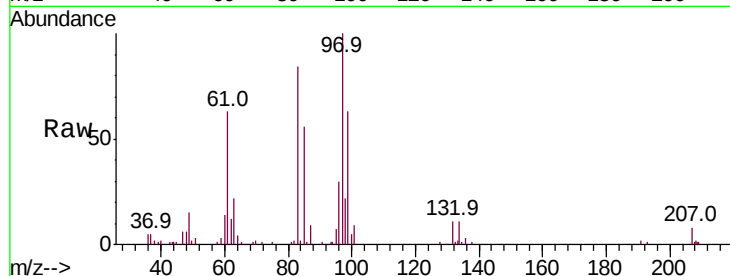
#55
 1,1,2-Trichloroethane
 Concen: 61.043 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

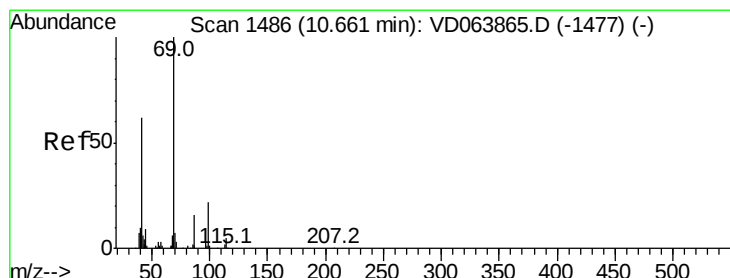
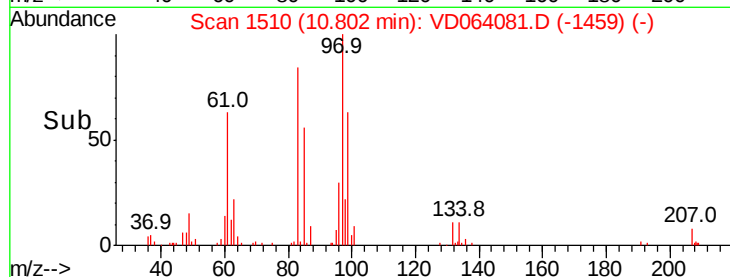
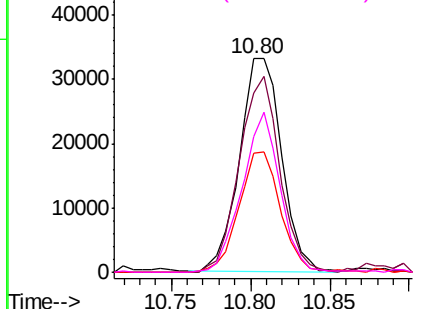
Tot Ion:	97	Resp:	61005
Ion	Ratio	Lower	Upper
97	100		
83	84.4	69.7	104.5
85	55.9	48.1	72.1
99	63.7	51.9	77.9

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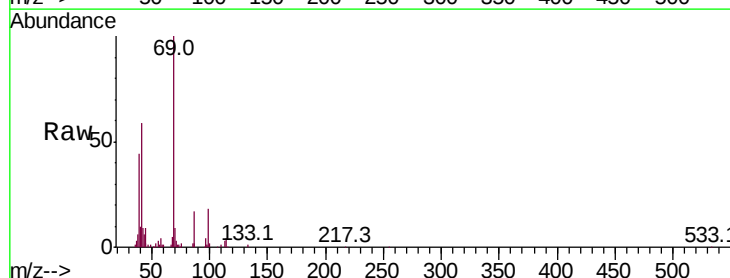


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

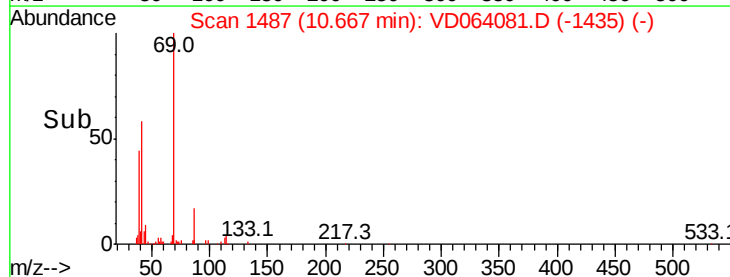
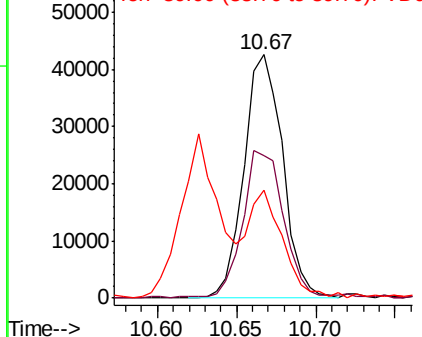


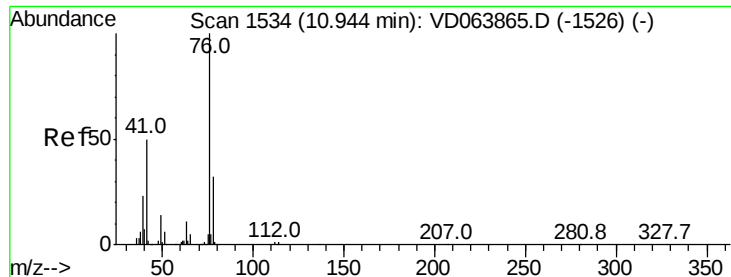
#56
 Ethyl methacrylate
 Concen: 57.092 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Tgt Ion:	69	Resp:	72254
Ion	Ratio	Lower	Upper
69	100		
41	65.1	51.3	76.9
39	40.8	28.0	42.0



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





#57

1,3-Dichloropropane

Concen: 60.826 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

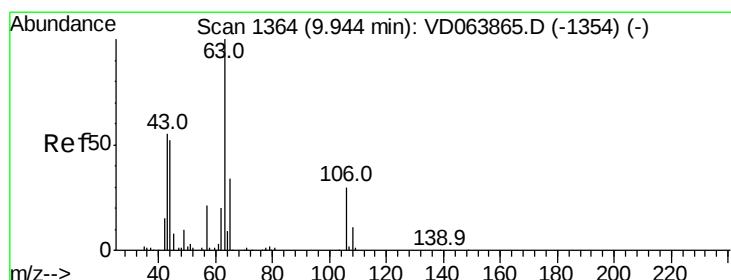
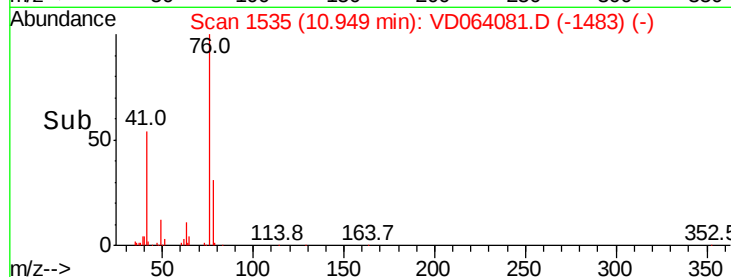
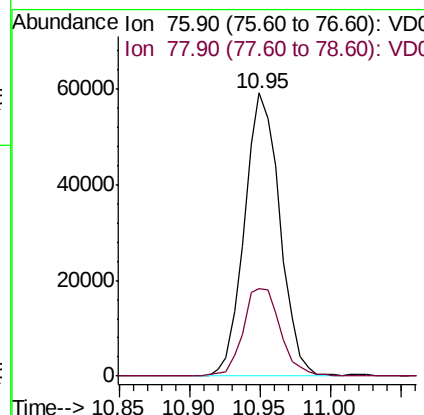
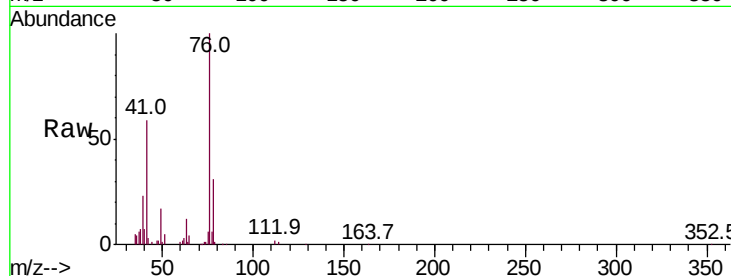
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 104006

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.6	40.0

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#58

2-Chloroethyl Vinyl ether

Concen: 280.643 ug/l

RT: 9.95 min Scan# 1365

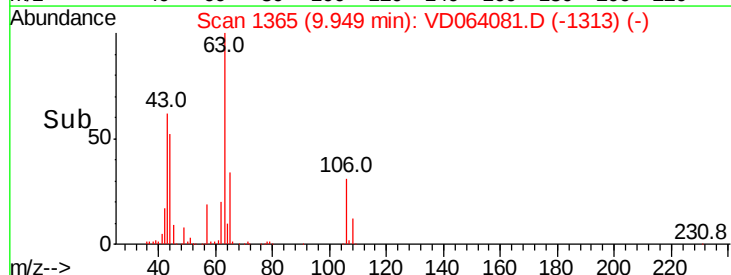
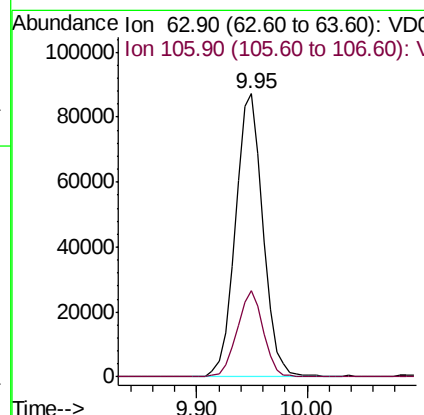
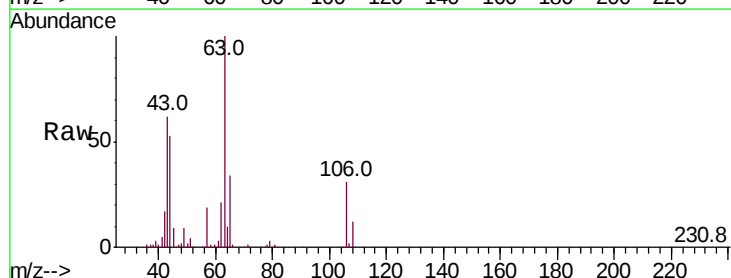
Delta R.T. 0.01 min

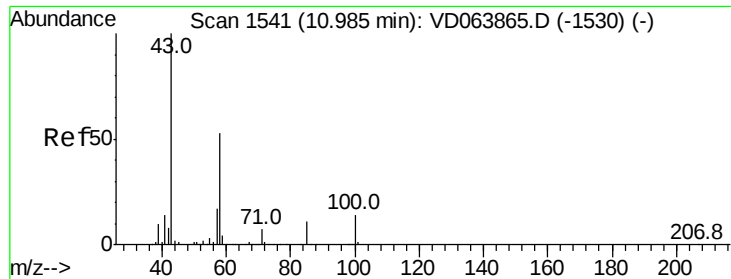
Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Tgt Ion: 63 Resp: 152667

Ion	Ratio	Lower	Upper
63	100		
106	29.0	24.3	36.5





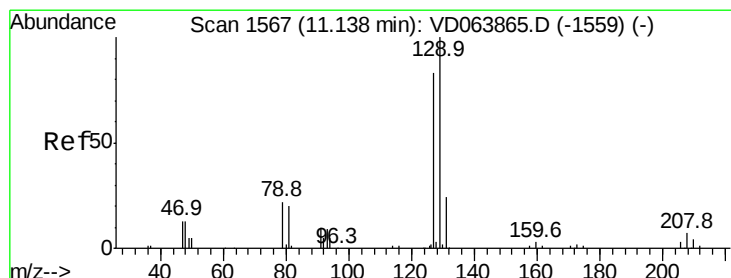
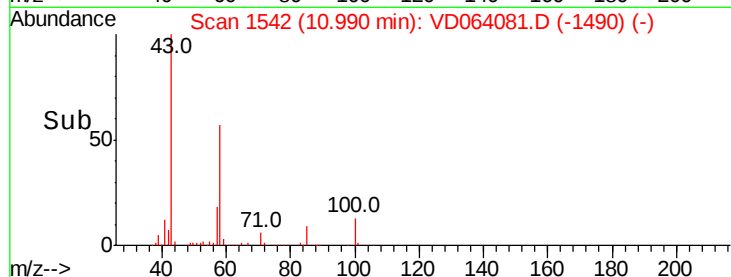
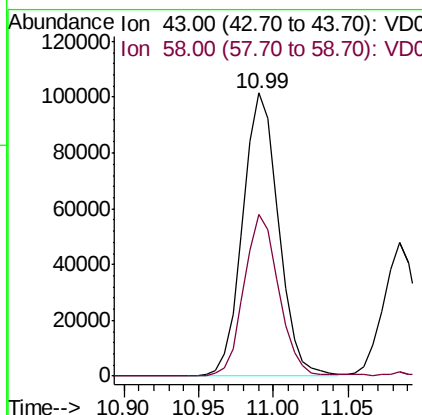
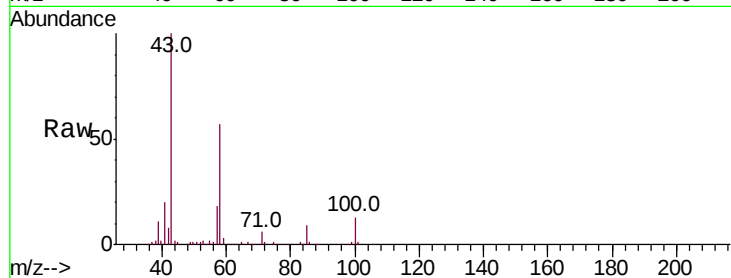
#59
2-Hexanone
Concen: 302.822 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 168810
Ion Ratio Lower Upper
43 100
58 55.3 27.7 83.0

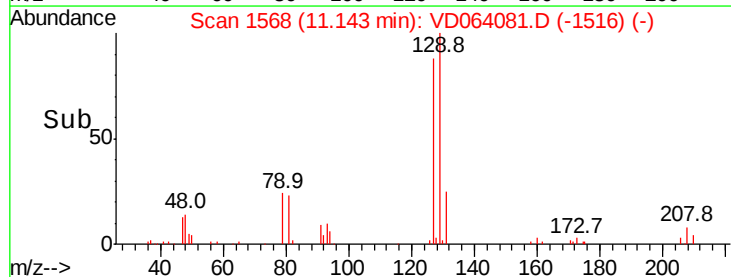
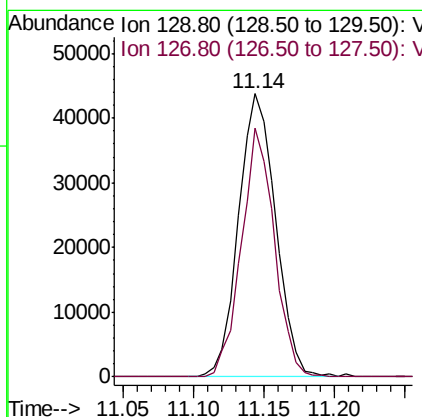
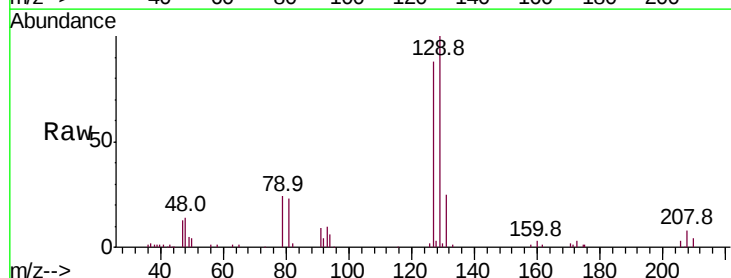
Manual Integrations
APPROVED

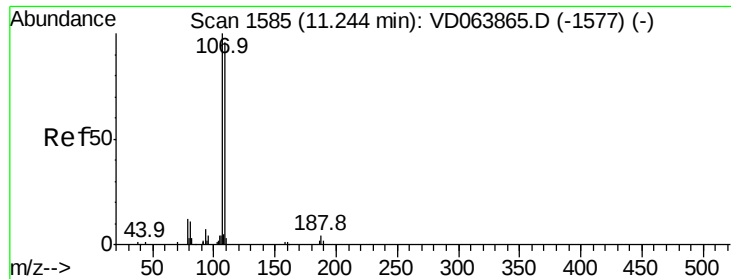
MMDadoda
10/28/2019 12:39:32 PM



#60
Dibromochloromethane
Concen: 61.829 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion: 129 Resp: 80445
Ion Ratio Lower Upper
129 100
127 78.3 39.9 119.6





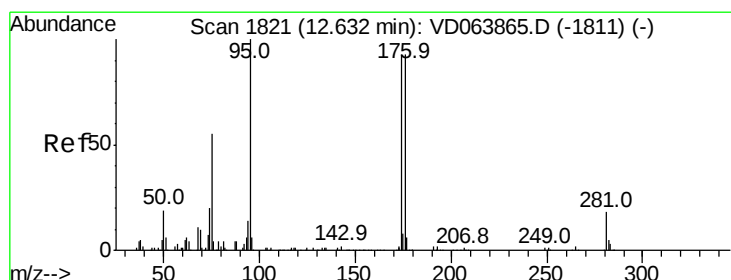
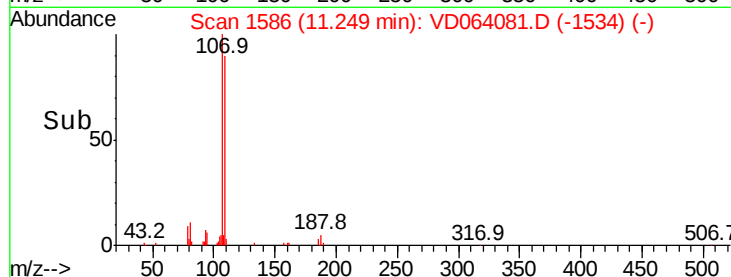
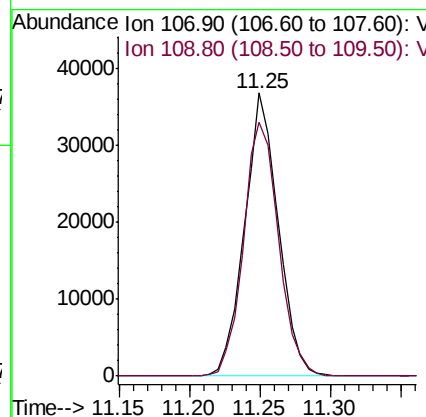
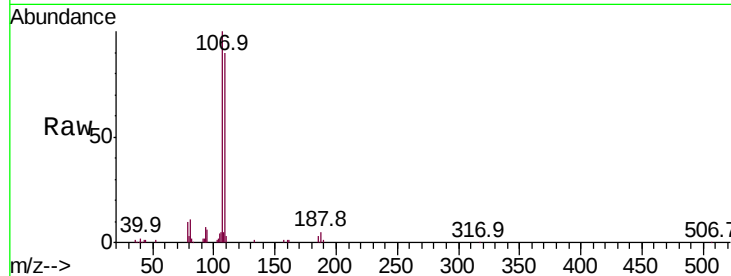
#61
 1,2-Dibromoethane
 Concen: 63.535 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 61557
 Ion Ratio Lower Upper
 107 100
 109 93.3 75.2 112.8

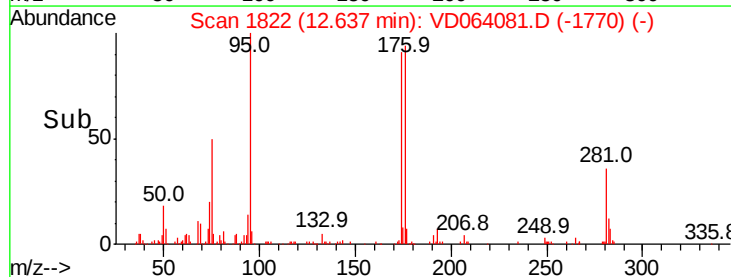
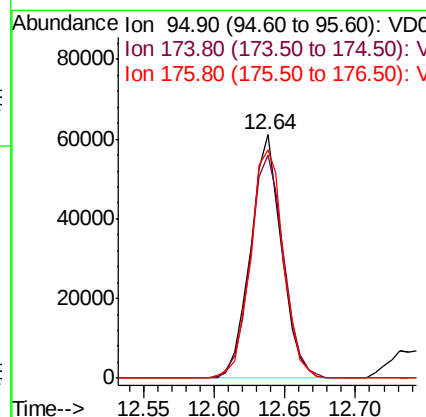
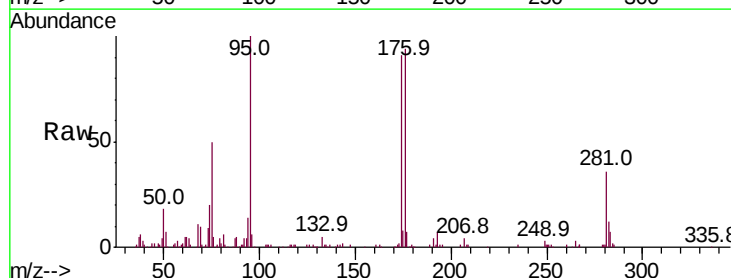
Manual Integrations
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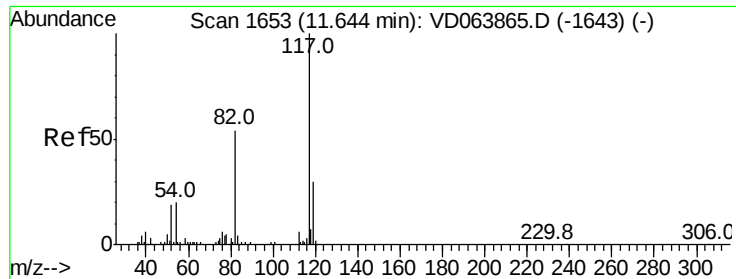
MMDadoda
 10/28/2019 12:39:32 PM



#62
 4-Bromofluorobenzene
 Concen: 56.384 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Tgt Ion: 95 Resp: 94183
 Ion Ratio Lower Upper
 95 100
 174 98.6 0.0 186.4
 176 99.7 0.0 184.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

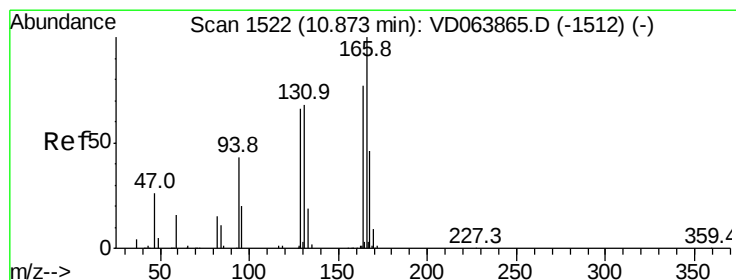
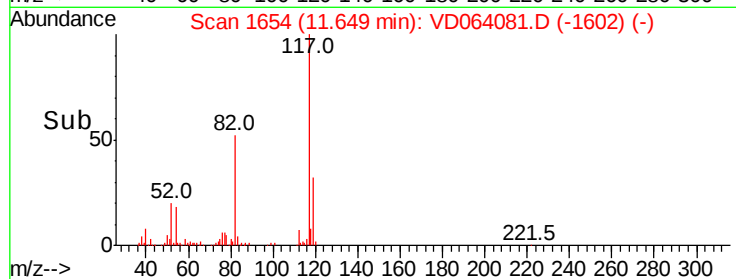
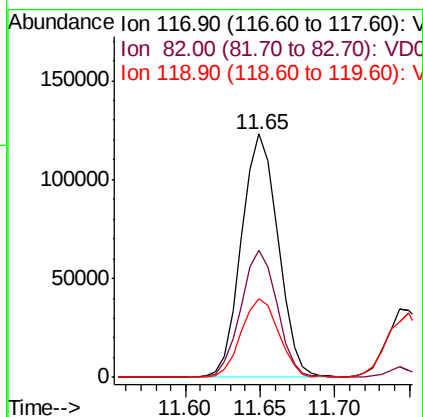
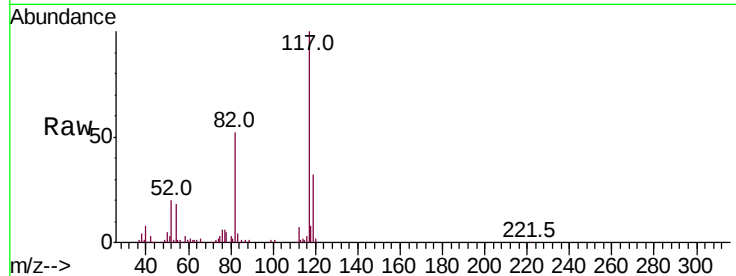
ClientSampleId :

VSTDCCC050EC

Tot Ion:	117	Resp:	209726
Ion Ratio	Lower	Upper	
117	100		
82	52.4	42.8	64.2
119	32.2	24.4	36.6

Manual Integrations
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#64

Tetrachloroethene

Concen: 54.500 ug/l

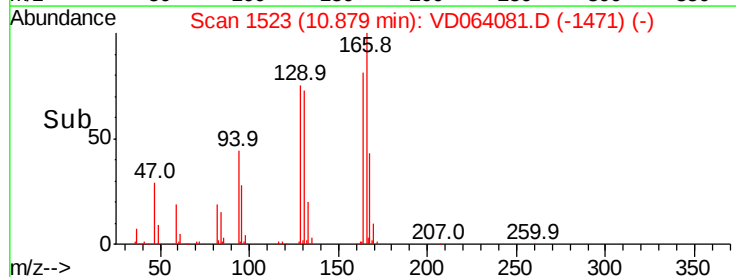
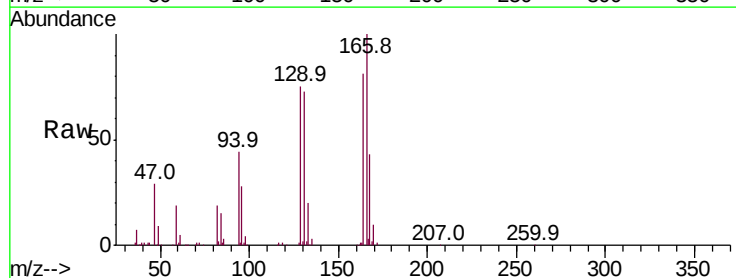
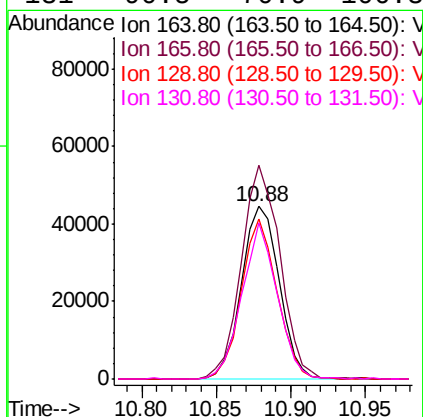
RT: 10.88 min Scan# 1523

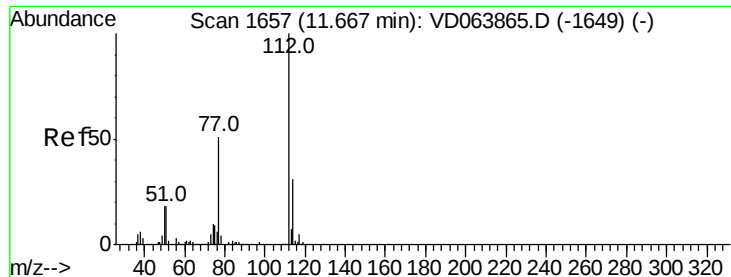
Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Tgt Ion:	164	Resp:	78030
Ion Ratio	Lower	Upper	
164	100		
166	123.6	103.8	155.6
129	92.5	68.9	103.3
131	90.5	70.9	106.3





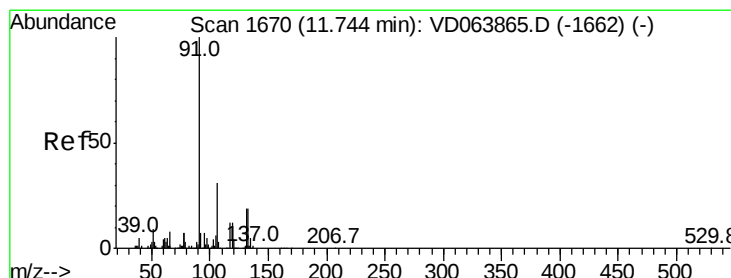
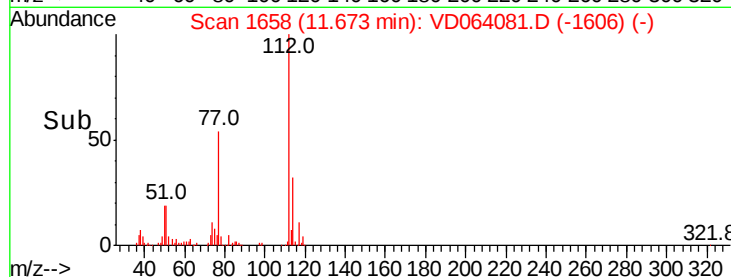
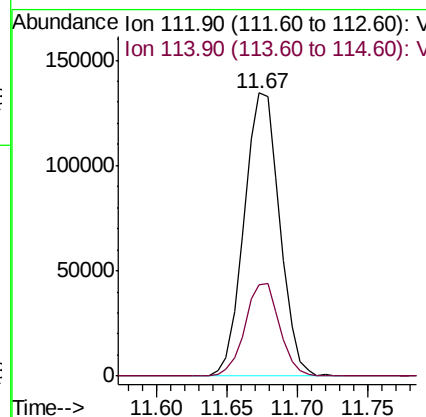
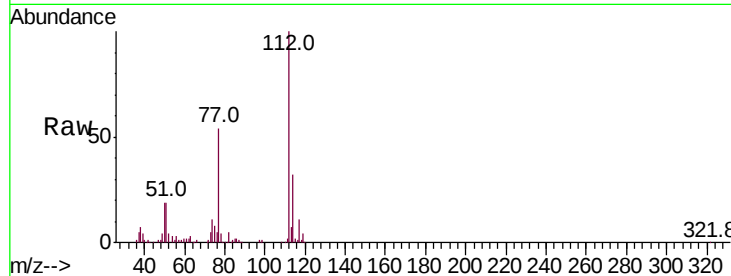
#65
Chlorobenzene
Concen: 56.471 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 237849
Ion Ratio Lower Upper
112 100
114 32.5 25.1 37.7

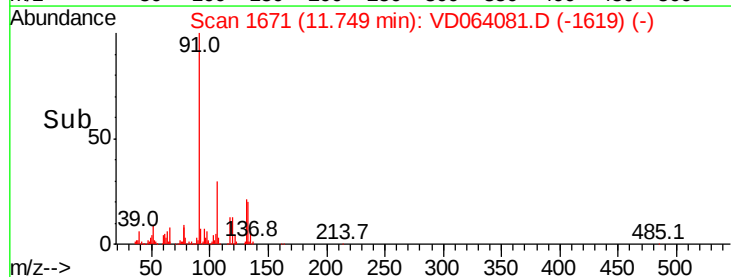
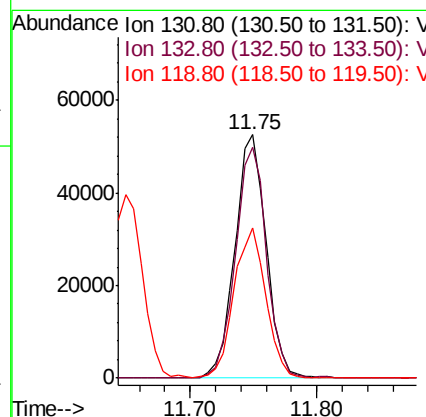
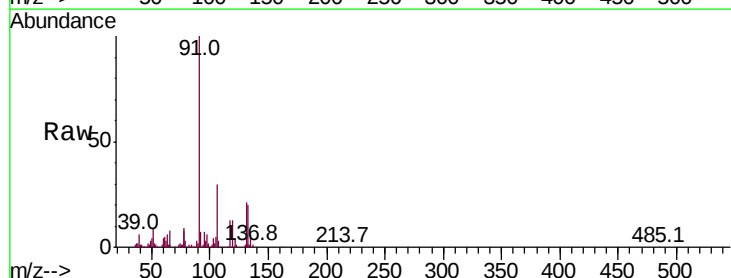
Manual Integrations
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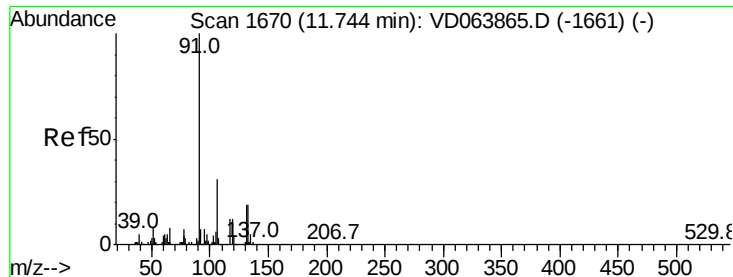
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 57.511 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion:131 Resp: 89256
Ion Ratio Lower Upper
131 100
133 93.8 48.9 146.7
119 62.8 32.6 97.8





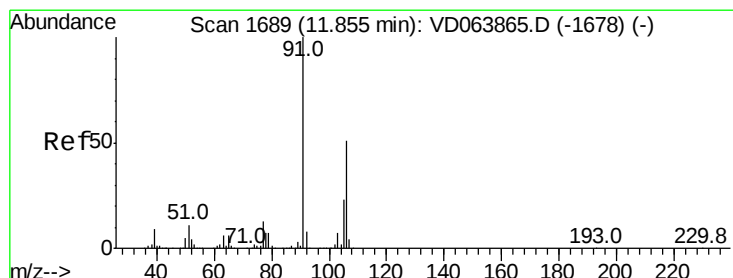
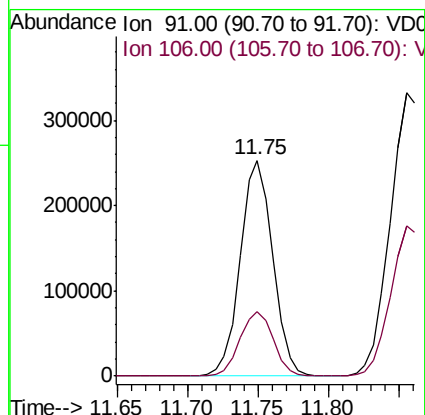
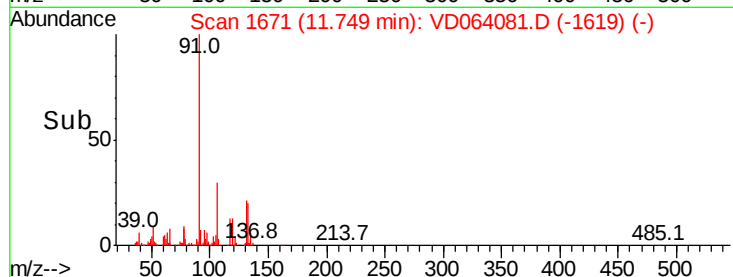
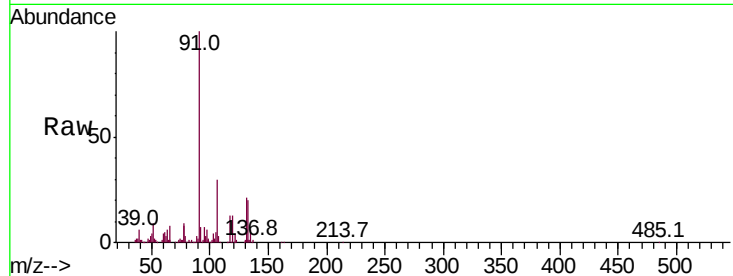
#67
Ethyl Benzene
Concen: 53.647 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 407436
Ion Ratio Lower Upper
91 100
106 30.1 24.6 37.0

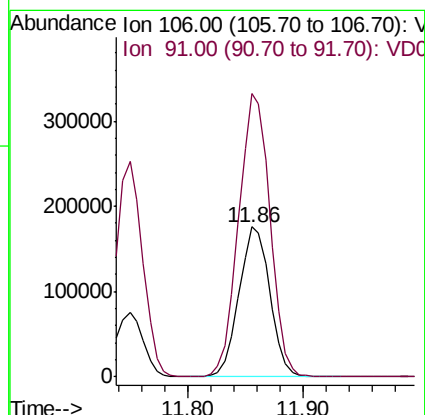
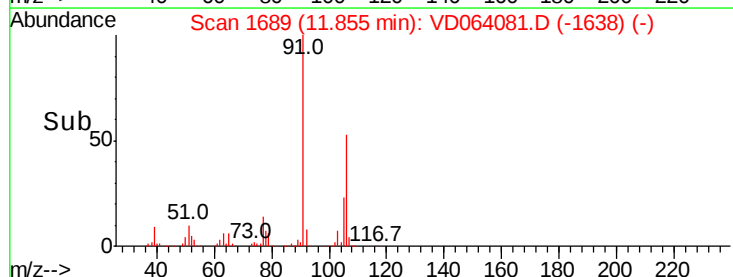
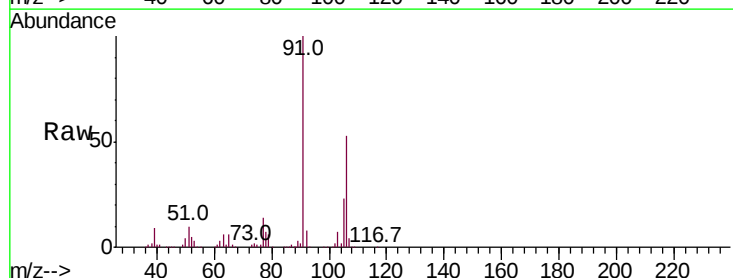
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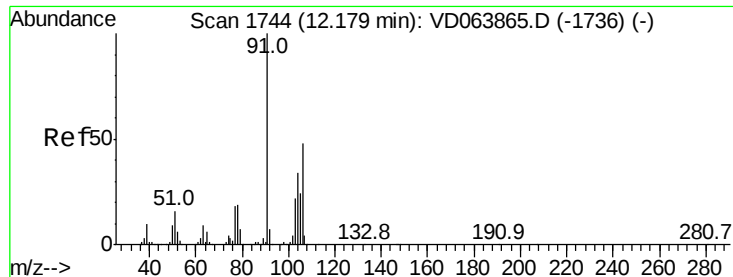
MMDadoda
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#68
m/p-Xylenes
Concen: 111.840 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion: 106 Resp: 327850
Ion Ratio Lower Upper
106 100
91 191.3 154.8 232.2





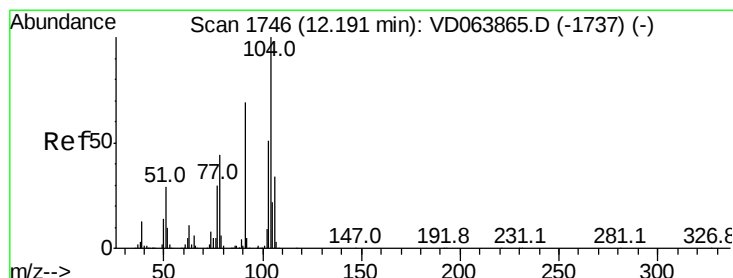
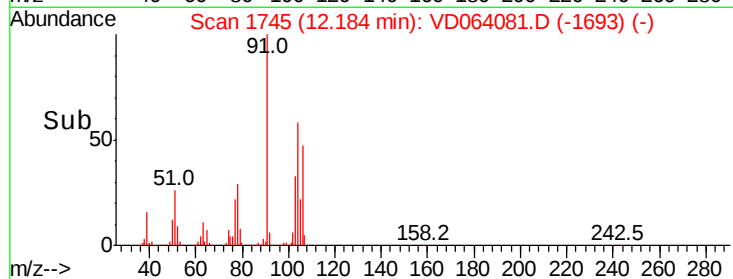
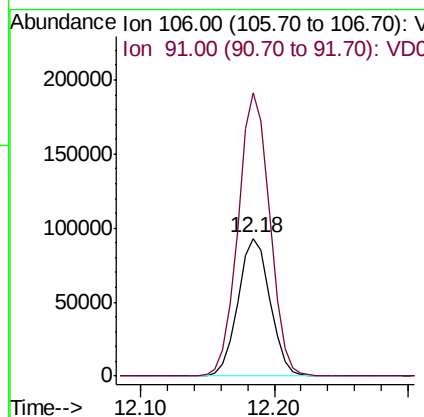
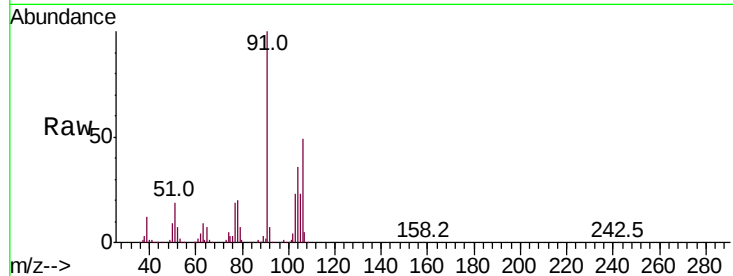
#69
o-Xylene
Concen: 54.956 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.9	103.9	311.7

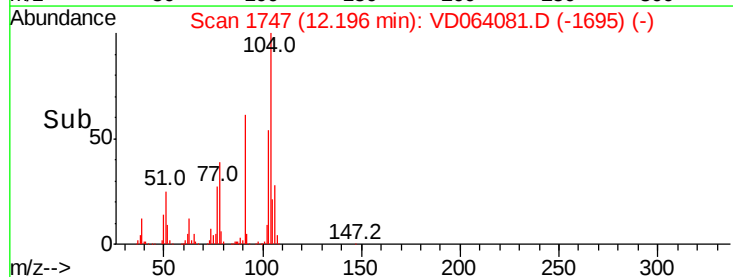
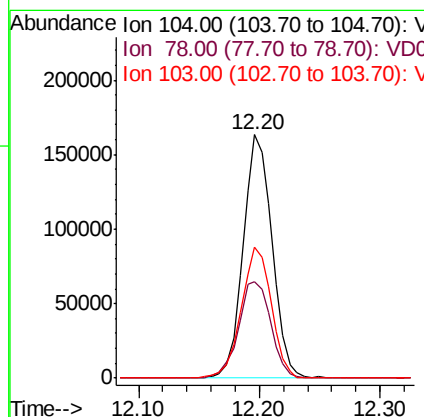
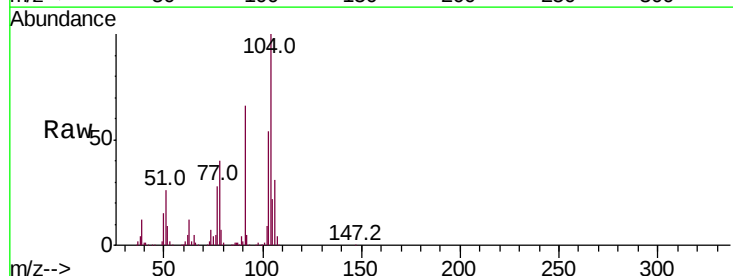
Manual Integrations
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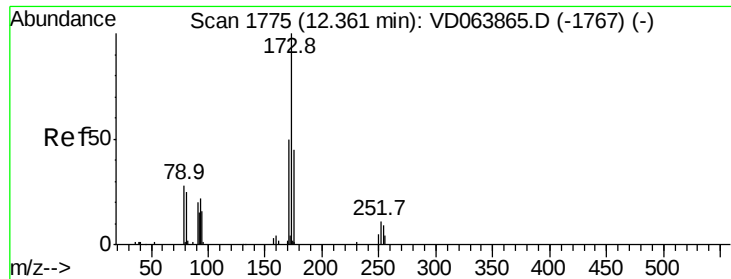
MMDadoda
10/28/2019 12:39:32 PM



#70
Styrene
Concen: 57.476 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion	Ratio	Lower	Upper
104	100		
78	44.4	37.0	55.4
103	56.0	44.2	66.4





#71

Bromoform

Concen: 63.787 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 53128

Ion Ratio Lower Upper

173 100

175 47.6 24.6 74.0

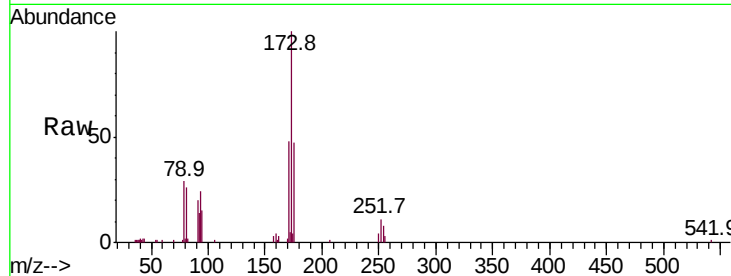
254 0.1 0.0 0.0#

Manual Integrations

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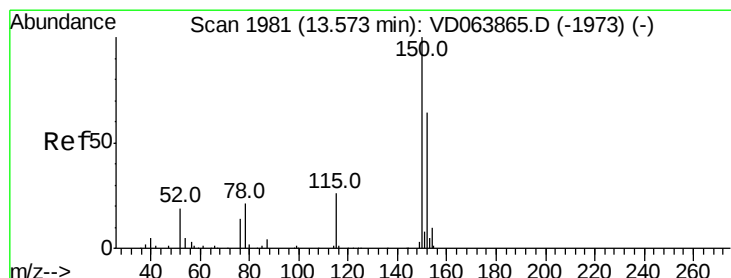
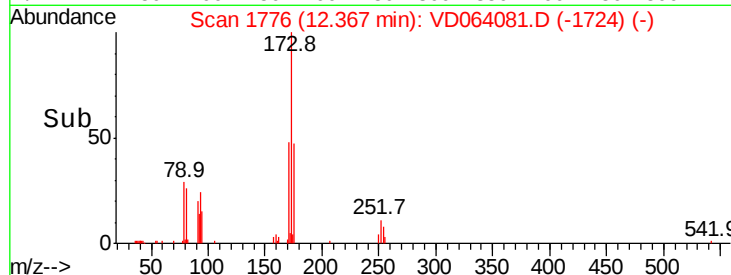
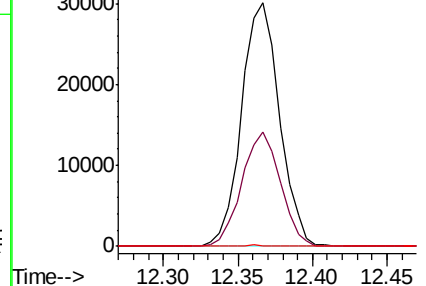
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Abundance Ion 172.70 (172.40 to 173.40): V

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. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

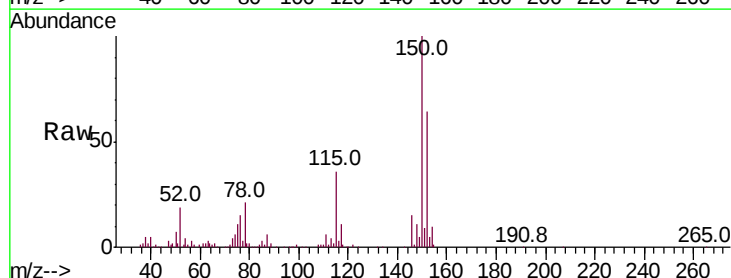
Tgt Ion:152 Resp: 125405

Ion Ratio Lower Upper

152 100

115 52.9 25.9 77.7

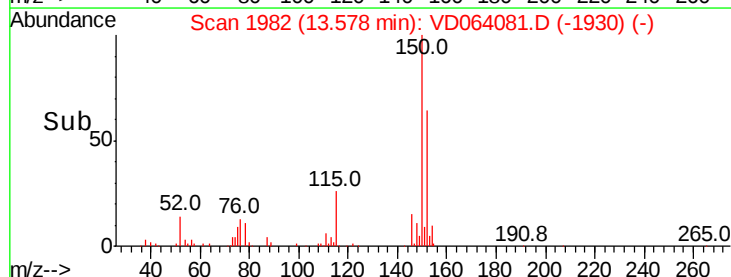
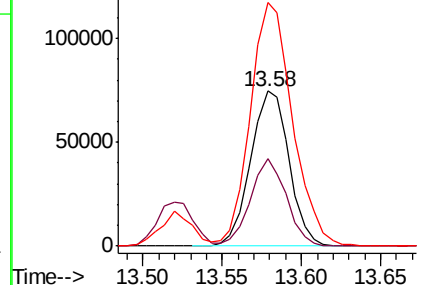
150 172.9 0.0 344.2

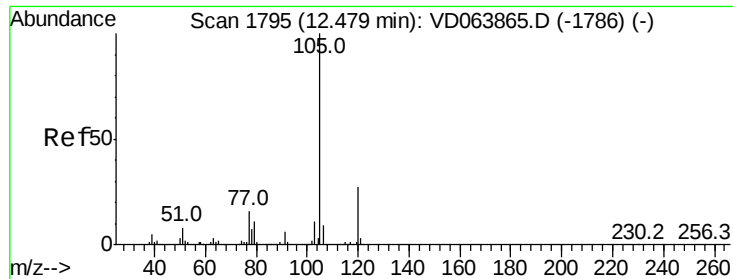


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.834 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 403256

Ion Ratio Lower Upper

105 100

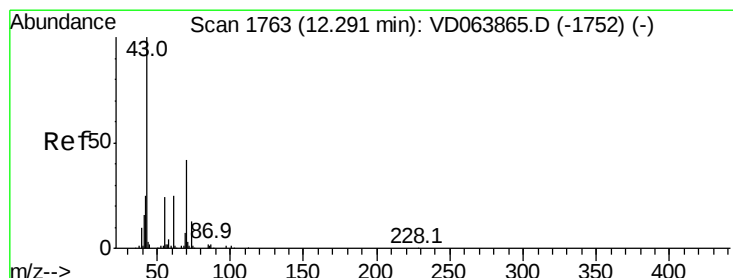
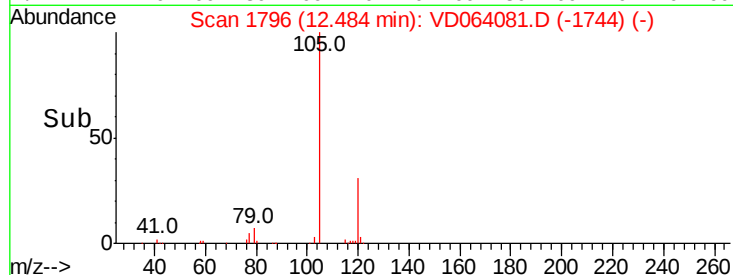
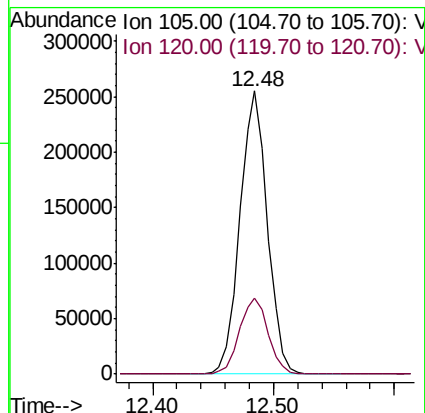
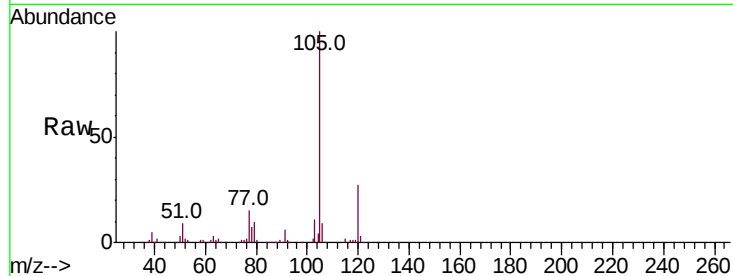
120 27.9 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 46.230 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Tgt Ion: 43 Resp: 83910

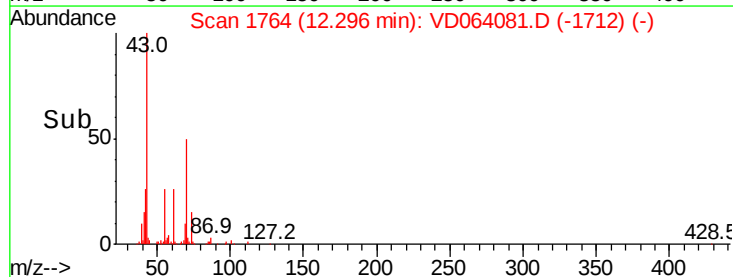
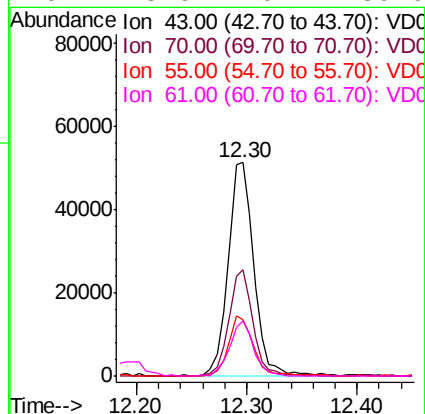
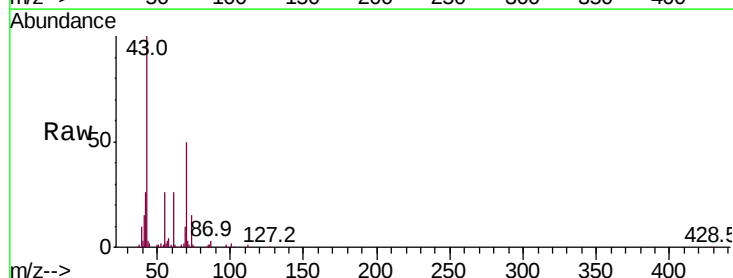
Ion Ratio Lower Upper

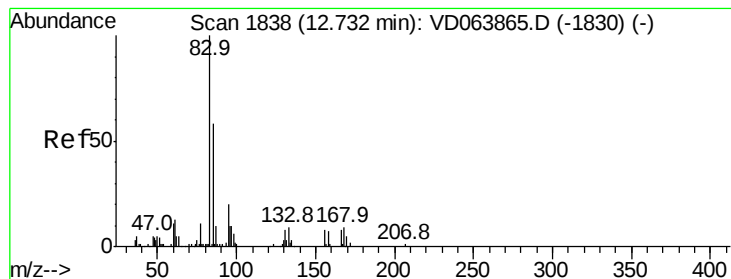
43 100

70 46.3 35.8 53.6

55 27.1 19.4 29.0

61 23.6 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.451 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

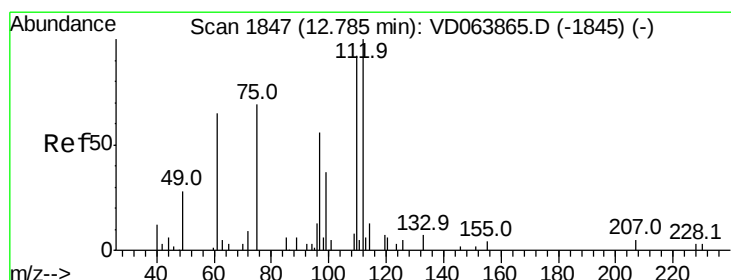
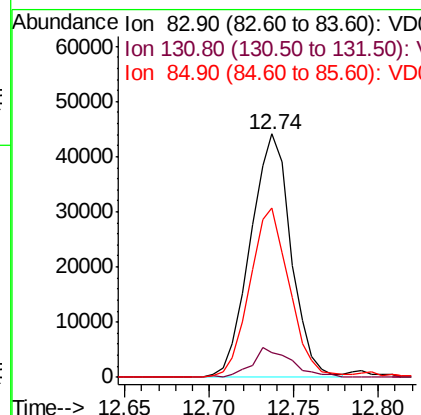
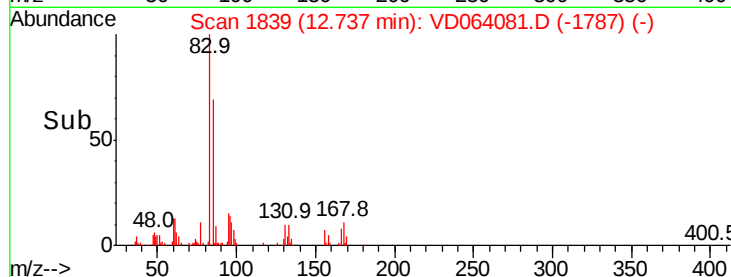
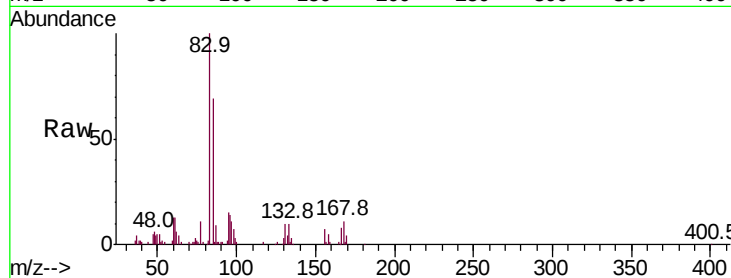
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	74011
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.6	16.8
85	67.8	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 64.568 ug/l m

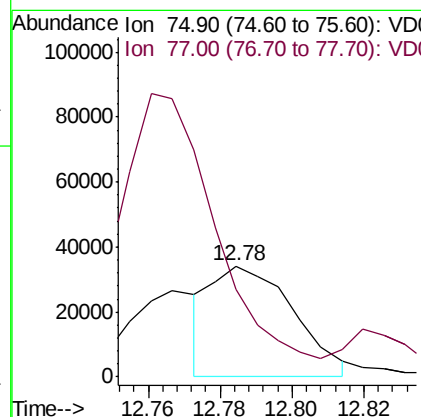
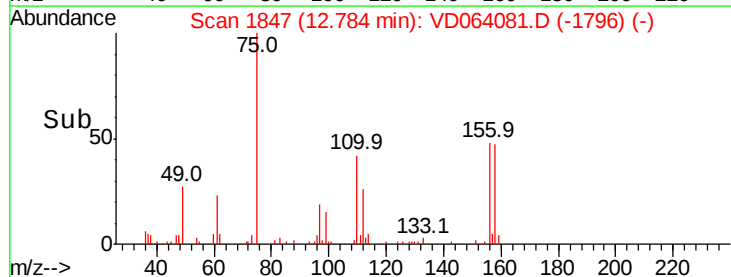
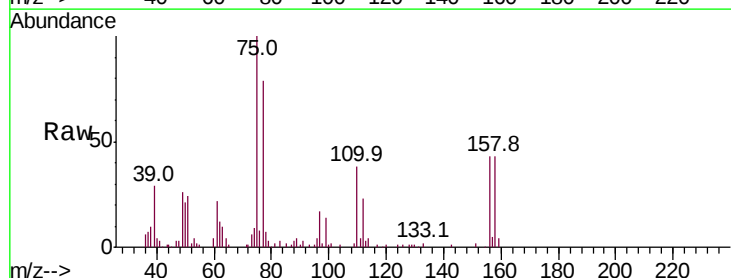
RT: 12.78 min Scan# 1847

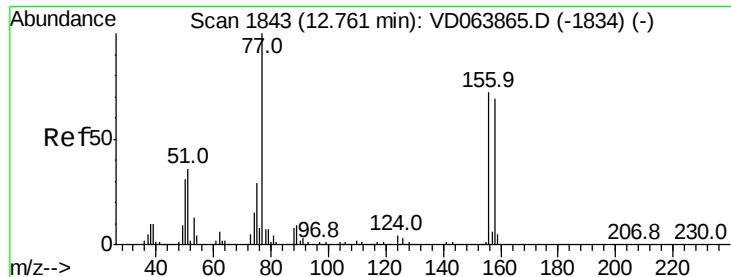
Delta R.T. -0.00 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Tgt Ion:	75	Resp:	54232
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.858 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

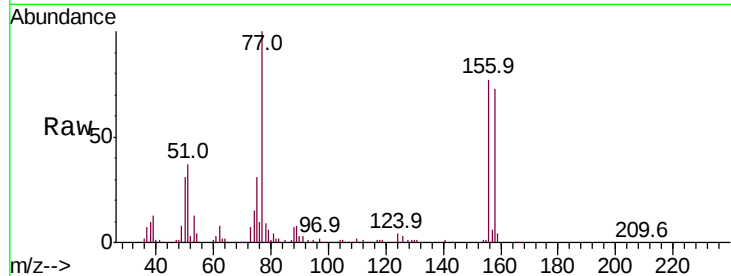
ClientSampleId :

VSTDCCC050EC

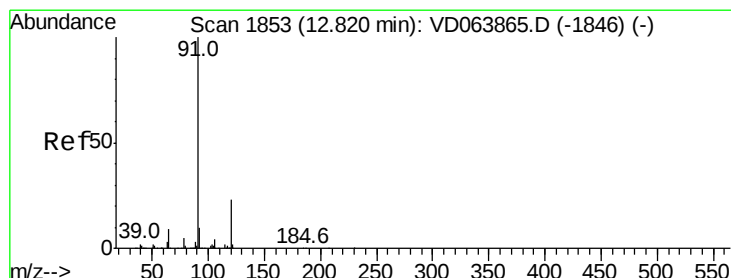
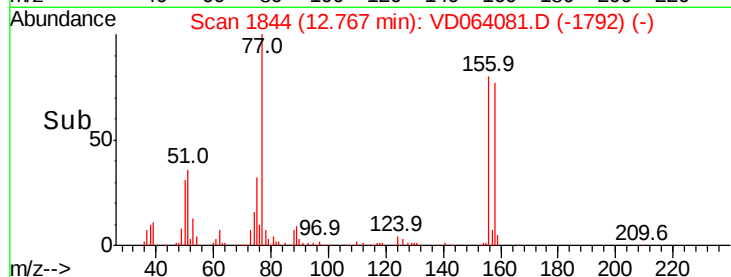
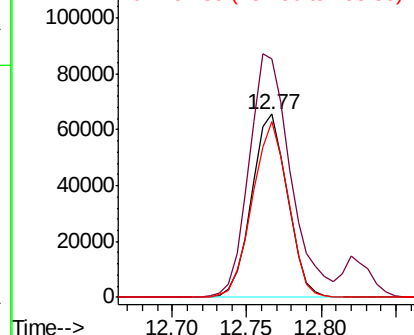
Tot Ion:	156	Resp:	108920
Ion Ratio	Lower	Upper	
156	100		
77	154.6	80.3	241.0
158	95.2	47.4	142.2

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.509 ug/l

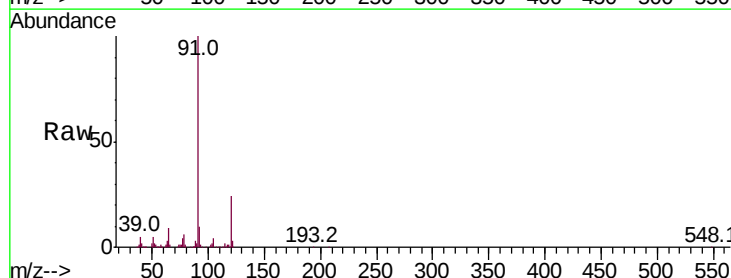
RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

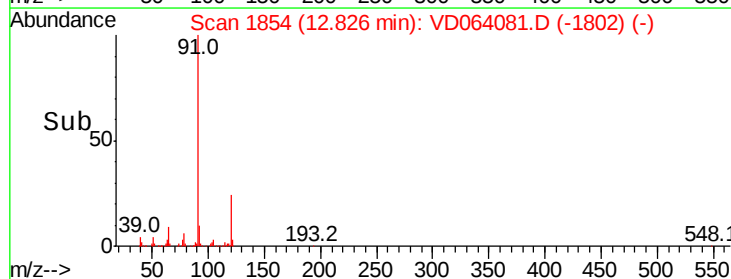
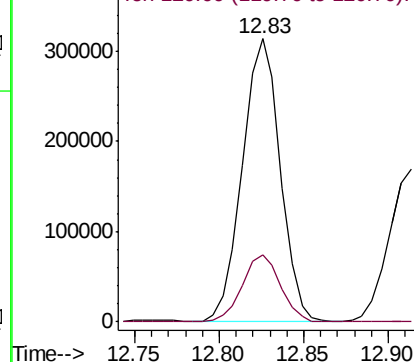
Lab File: VD064081.D

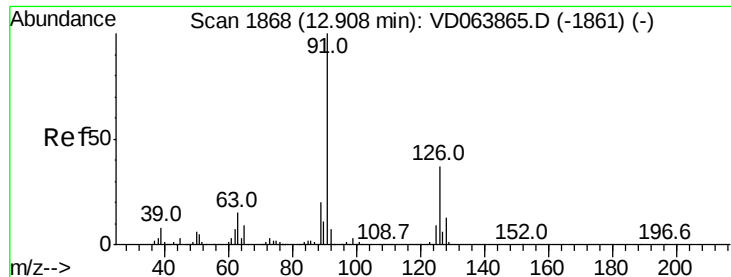
Acq: 25 Oct 2019 22:40

Tgt Ion:	91	Resp:	489912
Ion Ratio	Lower	Upper	
91	100		
120	24.1	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.553 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 275836

Ion Ratio Lower Upper

91 100

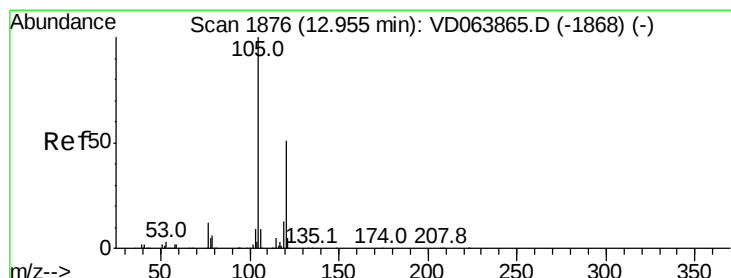
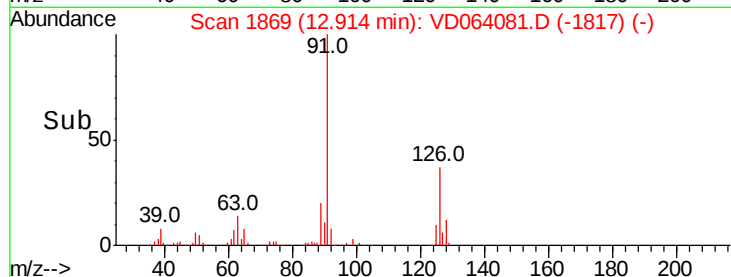
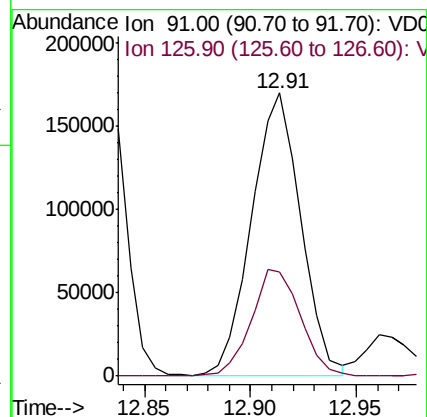
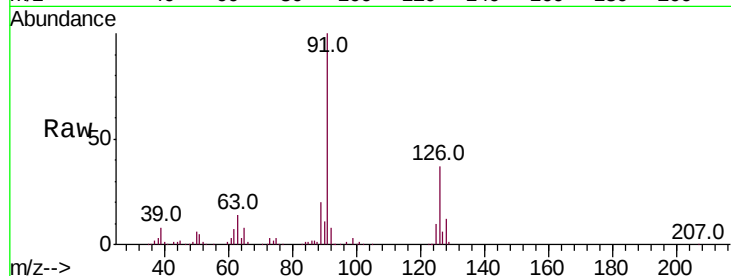
126 37.5 18.4 55.2

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#80

1,3,5-Trimethylbenzene

Concen: 50.370 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064081.D

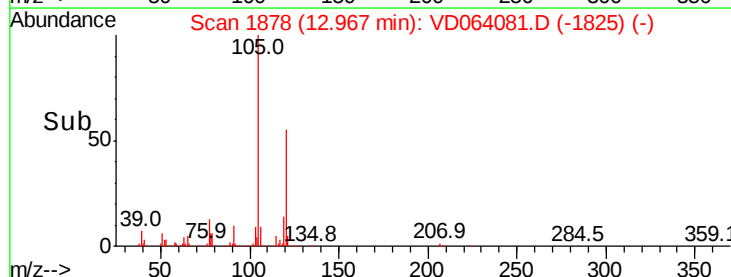
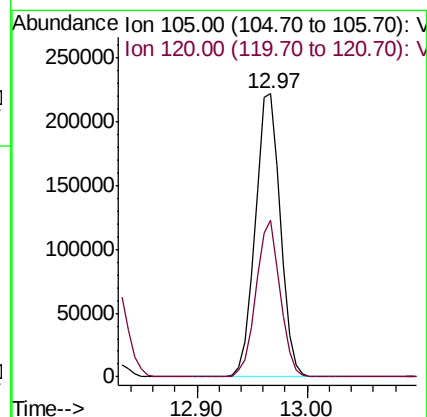
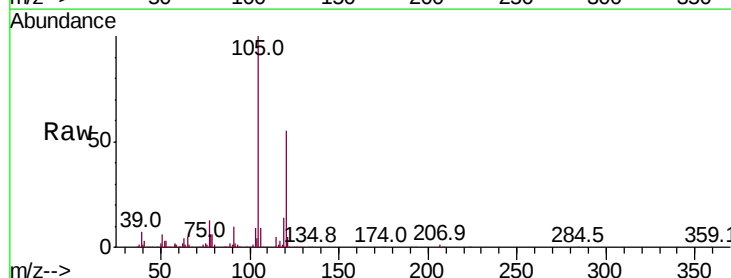
Acq: 25 Oct 2019 22:40

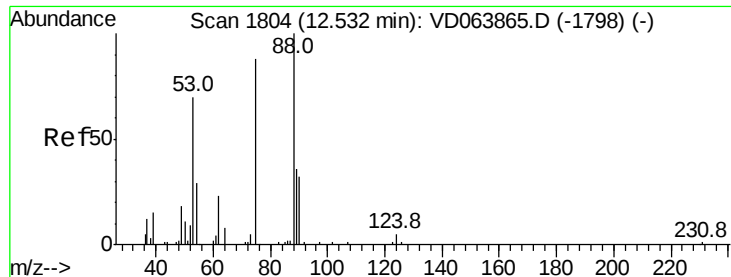
Tgt Ion: 105 Resp: 354262

Ion Ratio Lower Upper

105 100

120 53.1 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 47.101 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 22356

Ion Ratio Lower Upper

75 100

53 98.0 75.0 112.6

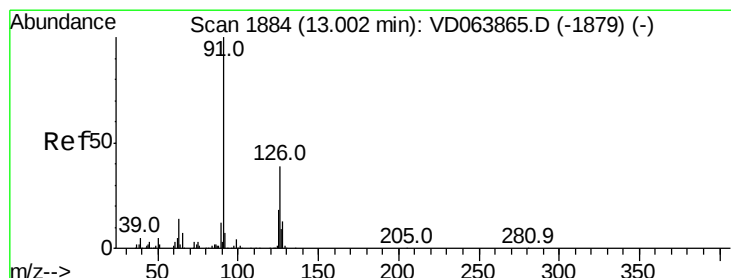
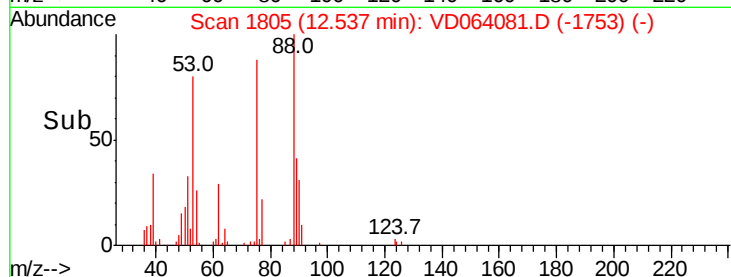
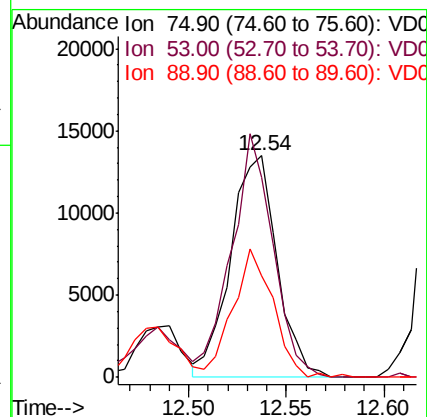
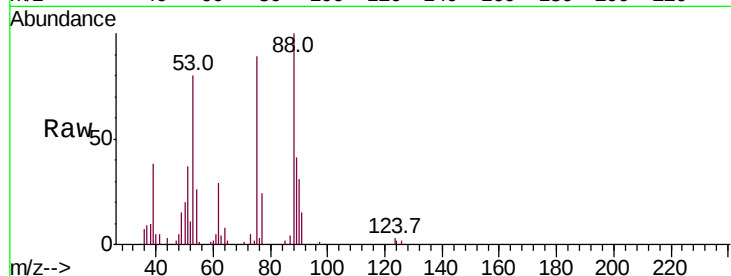
89 49.8 38.2 57.4

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#82

4-Chlorotoluene

Concen: 50.123 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD064081.D

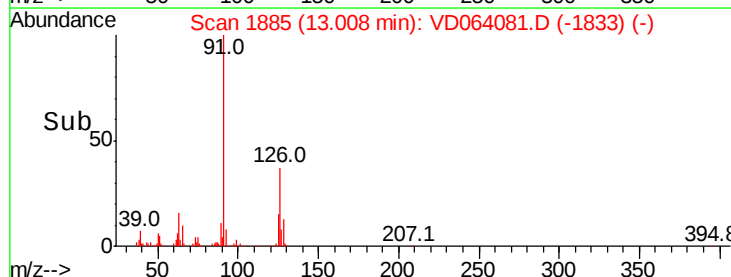
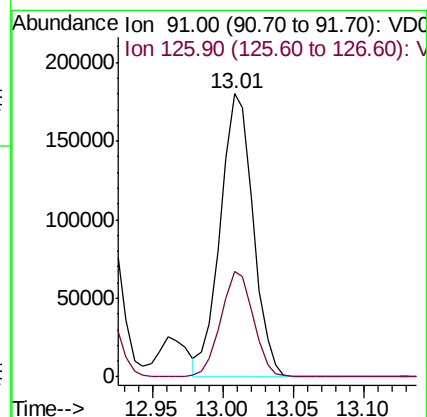
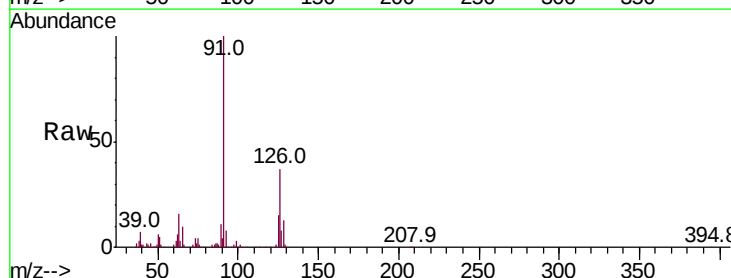
Acq: 25 Oct 2019 22:40

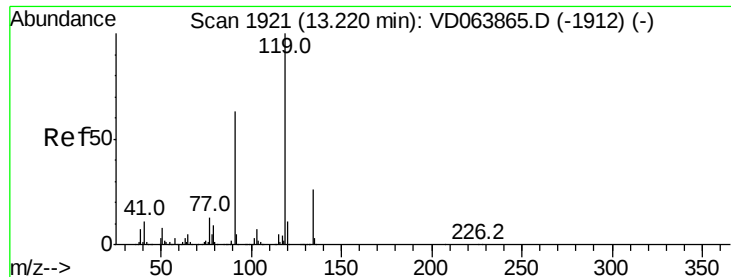
Tgt Ion: 91 Resp: 290119

Ion Ratio Lower Upper

91 100

126 36.9 18.6 55.8





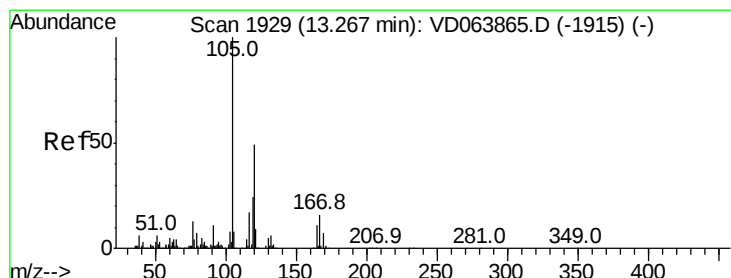
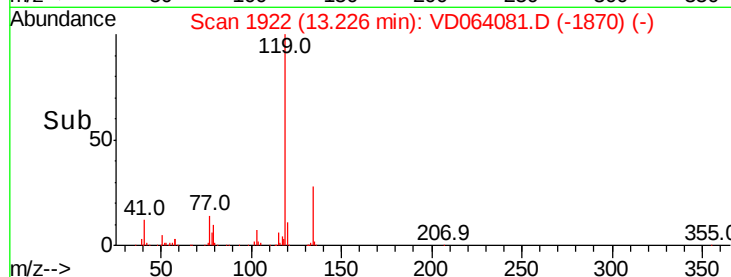
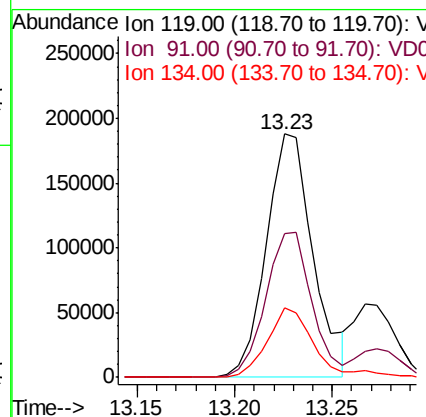
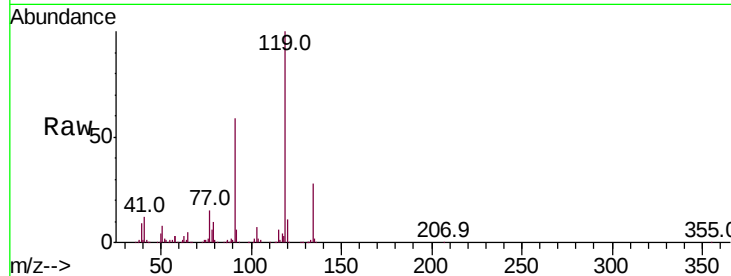
#83
tert-Butylbenzene
Concen: 49.984 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.5	30.0	90.0
134	28.9	13.0	38.9

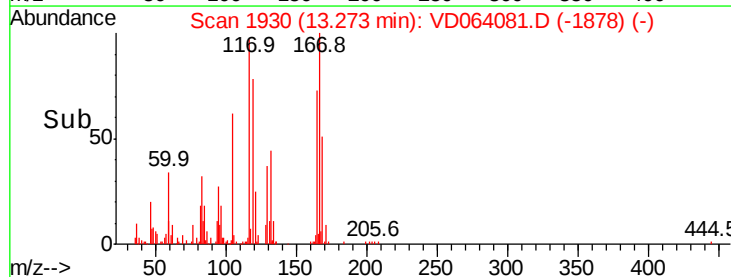
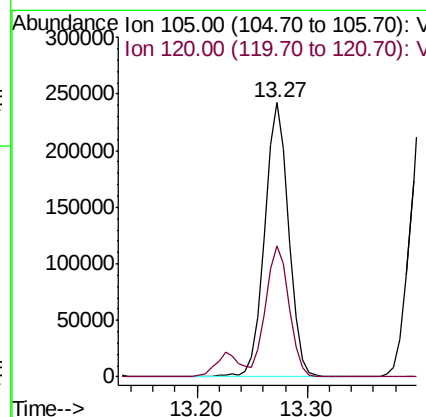
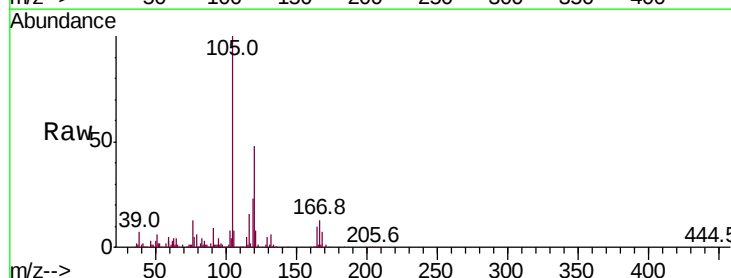
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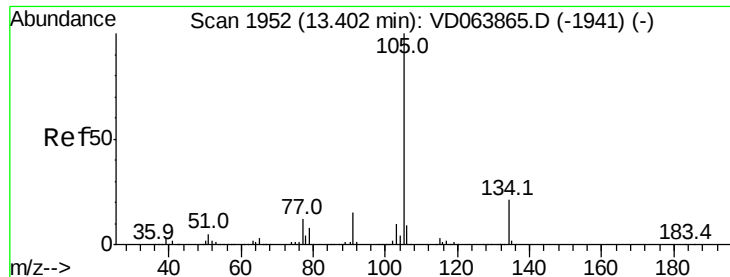
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#84
1,2,4-Trimethylbenzene
Concen: 50.899 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.8	71.5





#85

sec-Butylbenzene

Concen: 50.203 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 424371

Ion Ratio Lower Upper

105 100

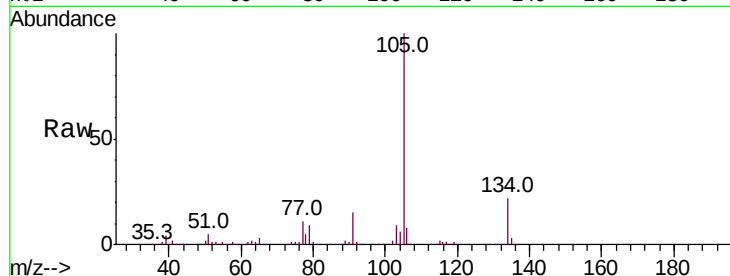
134 21.6 10.6 31.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

250000

200000

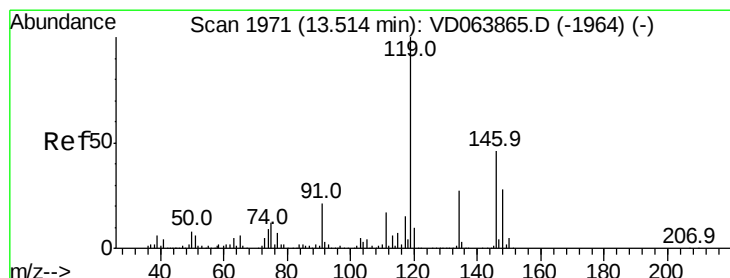
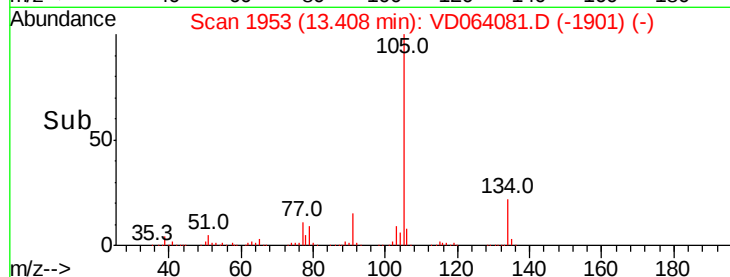
150000

100000

50000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 51.291 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

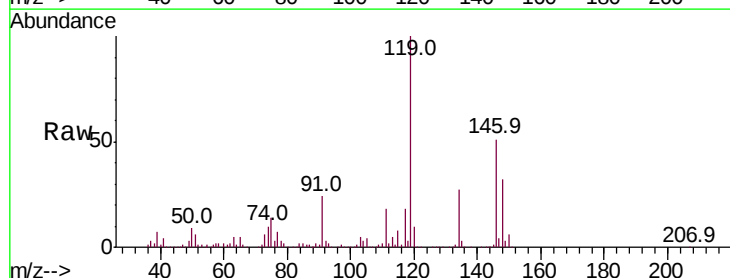
Tgt Ion:119 Resp: 410270

Ion Ratio Lower Upper

119 100

134 27.3 13.9 41.6

91 21.7 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

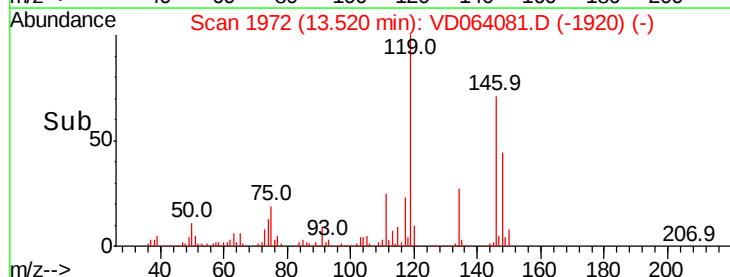
300000

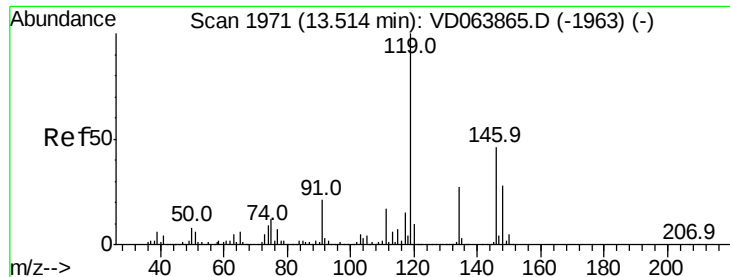
200000

100000

0

Time--> 13.40 13.50 13.60





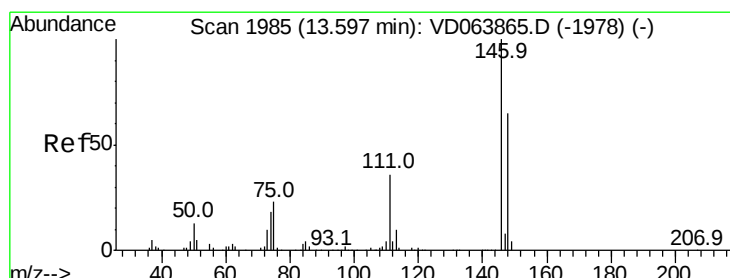
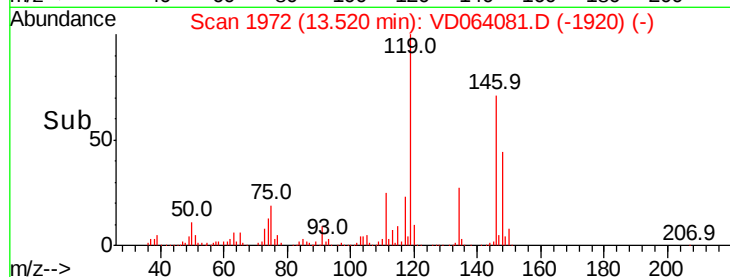
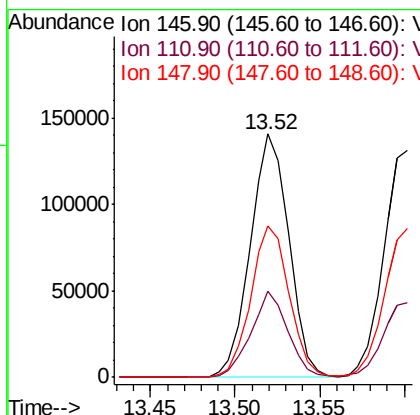
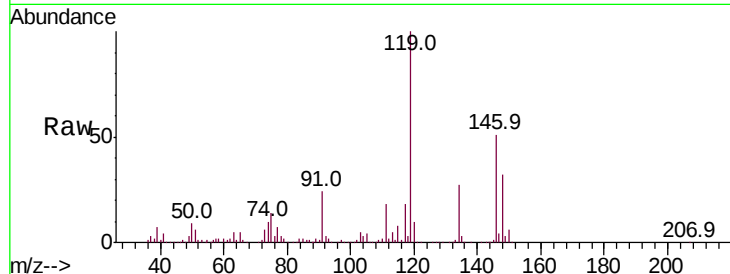
#87
 1,3-Dichlorobenzene
 Concen: 53.770 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	33.9	18.3	54.9
148	62.2	31.8	95.4

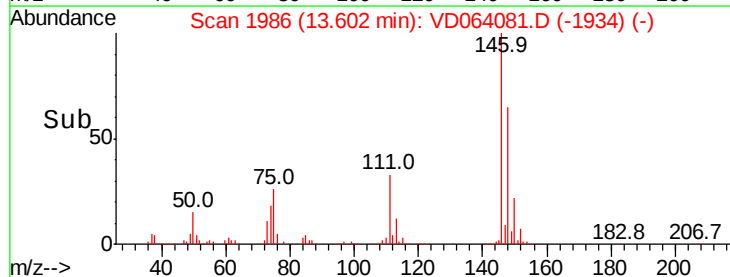
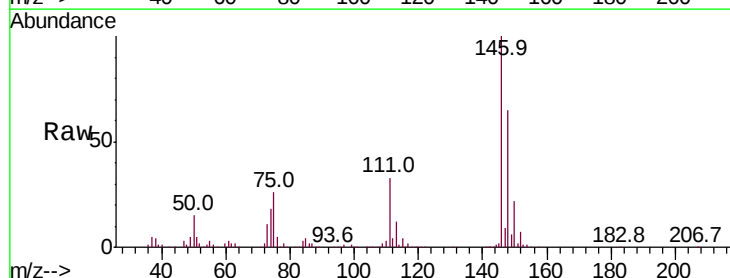
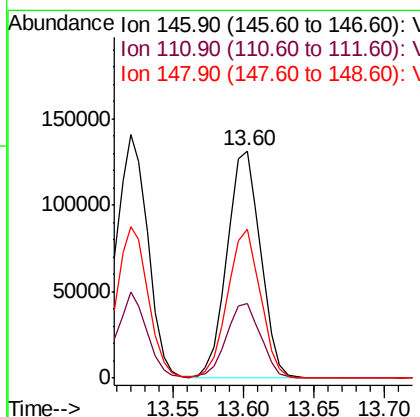
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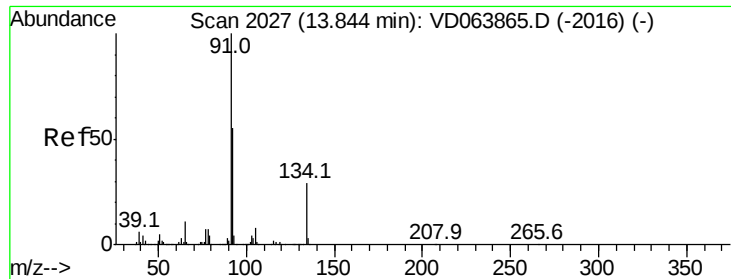
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#88
 1,4-Dichlorobenzene
 Concen: 53.070 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.9	18.6	56.0
148	64.3	32.6	98.0





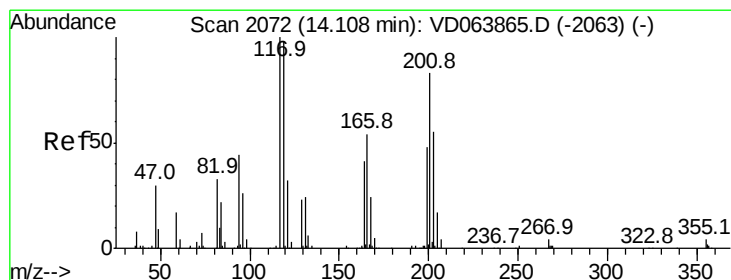
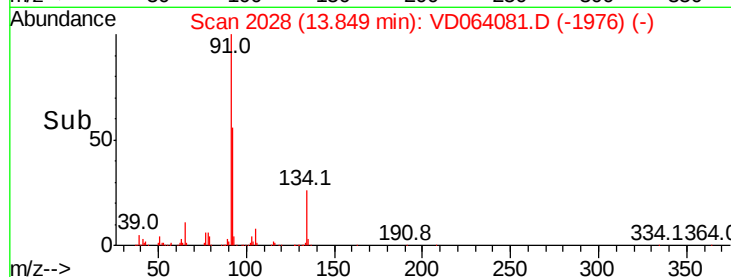
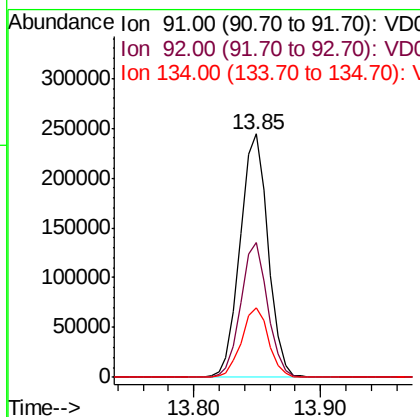
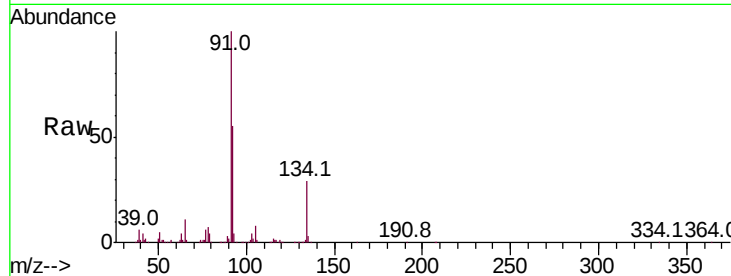
#89
n-Butylbenzene
Concen: 49.920 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.8	80.3
134	27.7	14.4	43.0

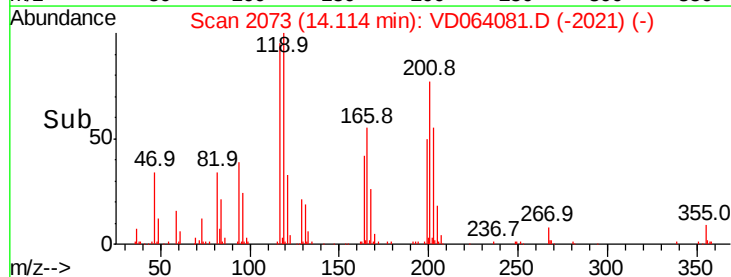
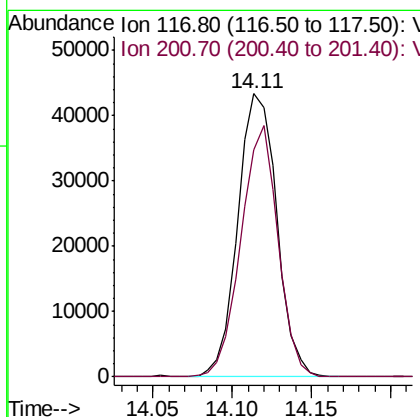
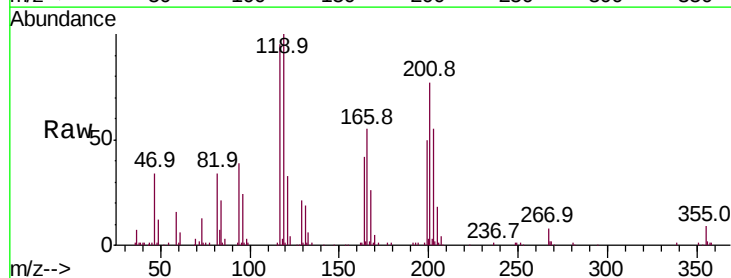
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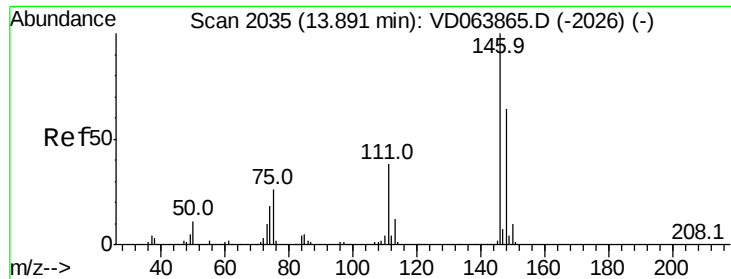
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#90
Hexachloroethane
Concen: 51.575 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.3	40.6	121.7





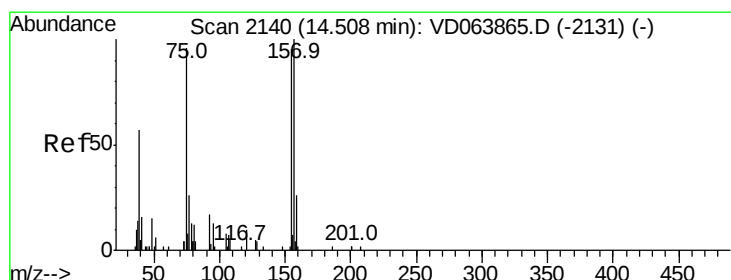
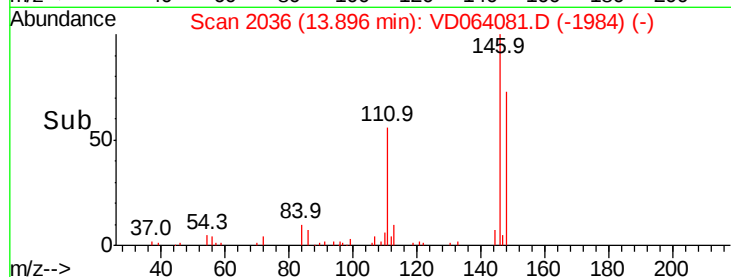
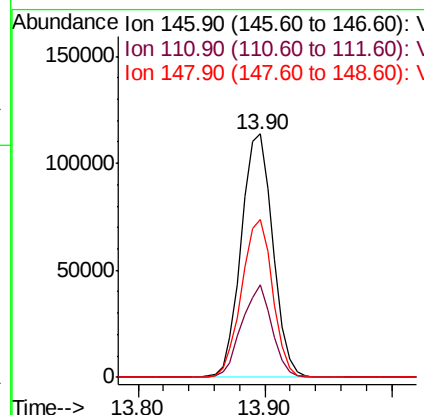
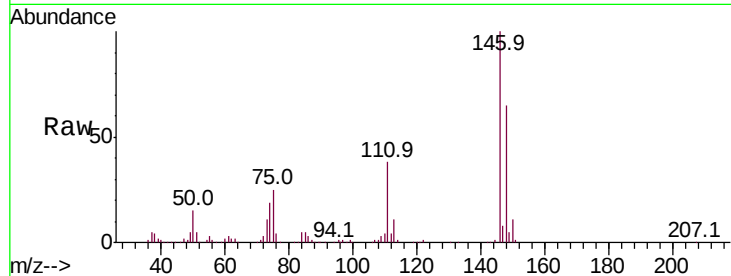
#91
 1,2-Dichlorobenzene
 Concen: 54.964 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	196577		
111	36.2	18.6	55.6	
148	63.5	31.6	95.0	

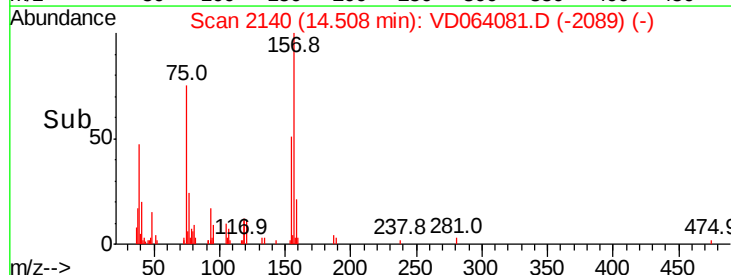
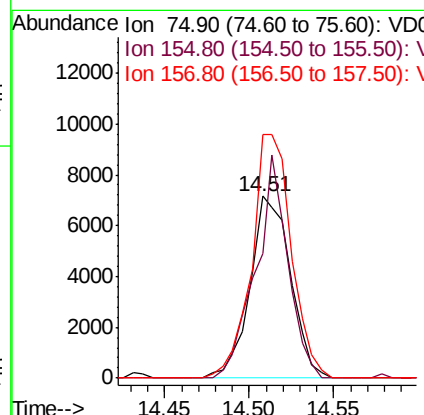
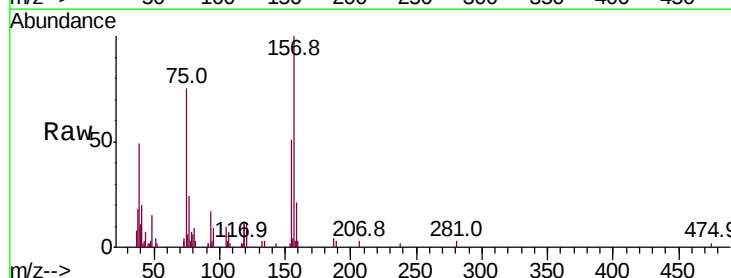
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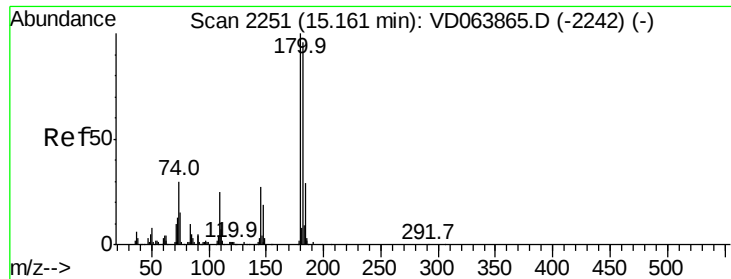
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 10/28/2019 12:39:32 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.383 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11913		
155	97.4	43.9	131.6	
157	131.8	56.0	167.9	





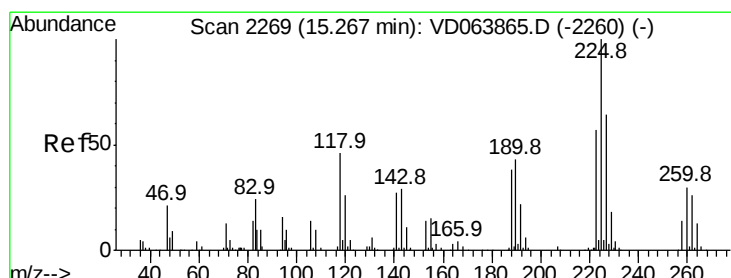
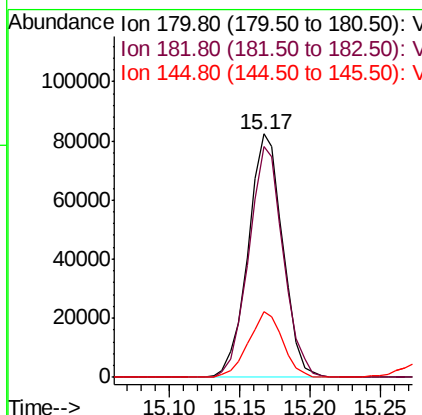
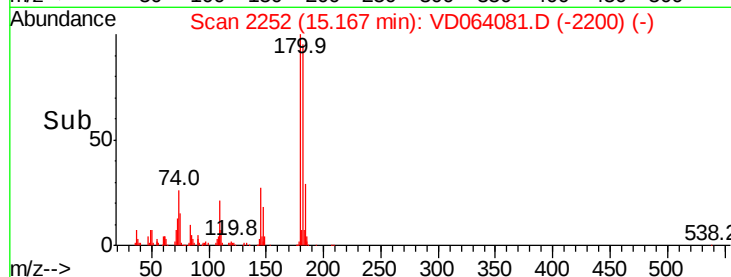
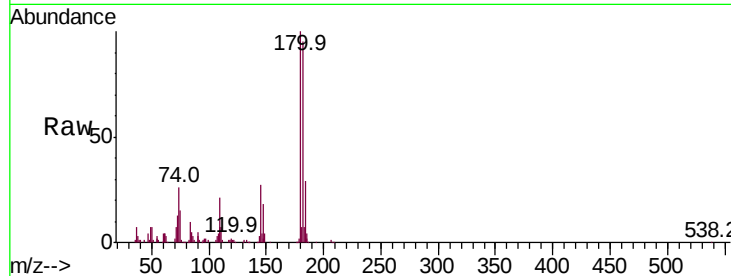
#93
 1,2,4-Trichlorobenzene
 Concen: 51.247 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.4	142.3
145	26.7	13.9	41.7

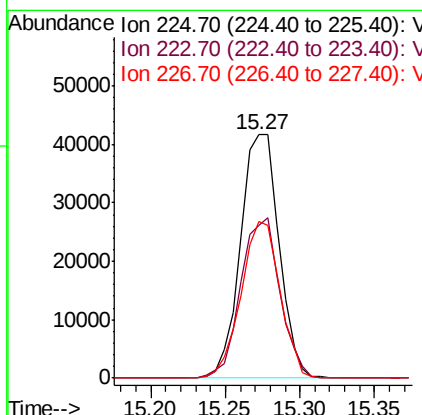
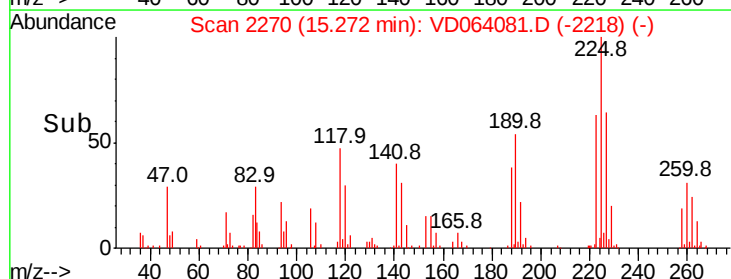
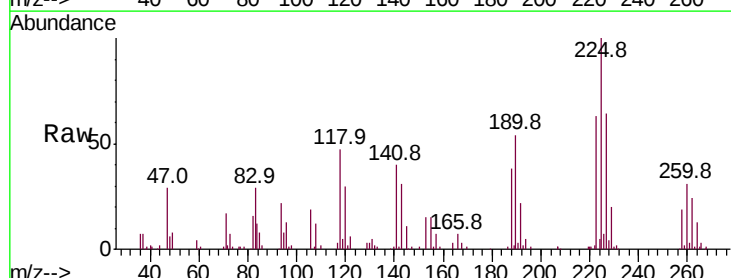
Manual Integrations
 APPROVED

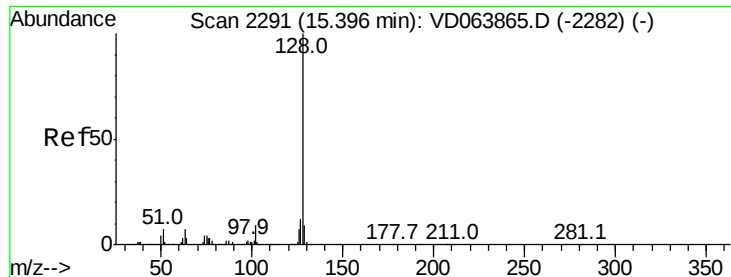
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 48.993 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.9	29.5	88.6
227	65.0	30.8	92.4





#95

Naphthalene

Concen: 53.782 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

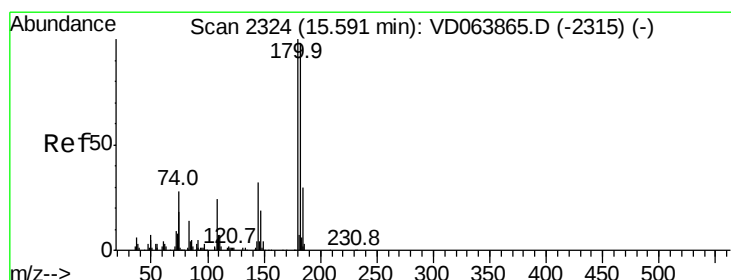
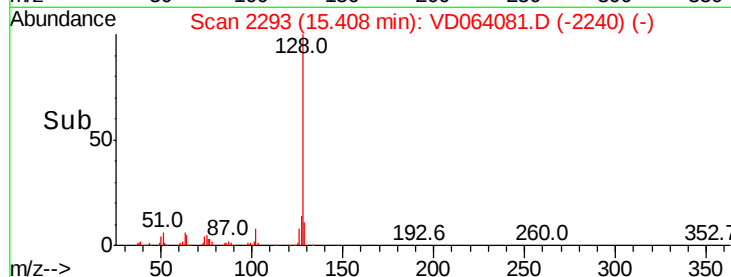
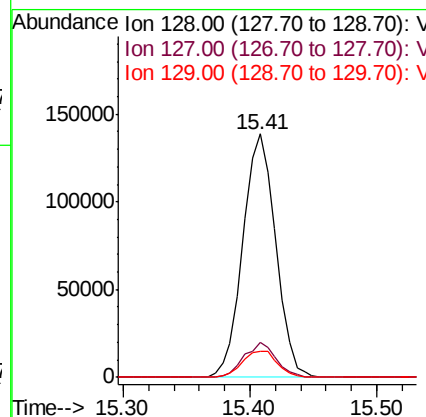
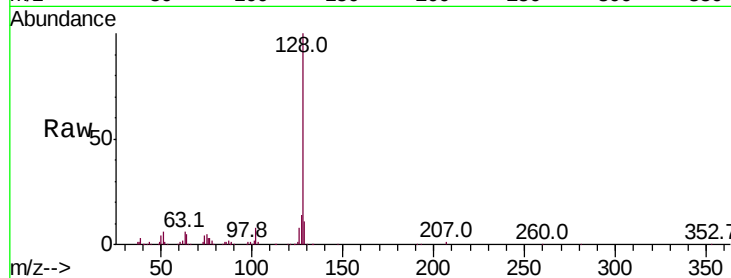
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	249458
Ion Ratio	Lower	Upper	
128	100		
127	14.0	10.6	16.0
129	11.7	8.6	13.0

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 52.073 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Tgt Ion:	180	Resp:	123986
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.0	141.0
145	29.9	15.3	45.9

