

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064061.D
 Acq On : 25 Oct 2019 13:01
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/28/2019 12:39:16 PM

Quant Time: Oct 26 00:14:33 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	7.98	168	173101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	264207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	265666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	151728	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	77455	45.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.92%	
35) Dibromofluoromethane	7.91	113	78519	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
50) Toluene-d8	10.34	98	327276	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.64	95	108466	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	55280	45.031	ug/l	96
3) Chloromethane	2.21	50	162460	48.896	ug/l	99
4) Vinyl Chloride	2.35	62	200071	50.426	ug/l	99
5) Bromomethane	2.77	94	122468	48.013	ug/l	99
6) Chloroethane	2.92	64	132107	50.347	ug/l	91
7) Trichlorofluoromethane	3.27	101	280385	53.450	ug/l	99
8) Diethyl Ether	3.70	74	38855	46.147	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	75852	52.237	ug/l	96
10) Methyl Iodide	4.29	142	88260	44.111	ug/l	100
11) Tert butyl alcohol	5.24	59	23657	200.471	ug/l	98
12) 1,1-Dichloroethene	4.06	96	69699	48.044	ug/l	95
13) Acrolein	3.92	56	43018	285.800	ug/l	92
14) Allyl chloride	4.70	41	109330	45.329	ug/l	100
15) Acrylonitrile	5.43	53	91786	247.257	ug/l	96
16) Acetone	4.16	43	105204	239.772	ug/l	91
17) Carbon Disulfide	4.40	76	211851	40.172	ug/l	98
18) Methyl Acetate	4.73	43	41538	48.402	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	167657	44.629	ug/l	98
20) Methylene Chloride	4.96	84	89208	45.554	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	87348	48.366	ug/l	94
22) Diisopropyl ether	6.37	45	232243	47.147	ug/l	99
23) Vinyl Acetate	6.31	43	684550	233.605	ug/l	97
24) 1,1-Dichloroethane	6.26	63	145483	47.948	ug/l	98
25) 2-Butanone	7.23	43	120923	232.550	ug/l	99
26) 2,2-Dichloropropane	7.21	77	127940	46.614	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	98514	48.193	ug/l	98
28) Bromochloromethane	7.54	49	58517	50.700	ug/l	96
29) Tetrahydrofuran	7.57	42	68726	226.440	ug/l	98
30) Chloroform	7.71	83	160460	48.691	ug/l	91
31) Cyclohexane	7.98	56	131217	52.507	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	143614	50.803	ug/l	99
36) 1,1-Dichloropropene	8.11	75	125928	52.129	ug/l	97
37) Ethyl Acetate	7.30	43	46066	47.344	ug/l	97
38) Carbon Tetrachloride	8.10	117	131195	53.743	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	154812	52.121	ug/l	94
40) Benzene	8.35	78	355238	51.315	ug/l	98
41) Methacrylonitrile	7.53	41	27737	49.524	ug/l	87
42) 1,2-Dichloroethane	8.43	62	96784	48.332	ug/l	99
43) Isopropyl Acetate	8.46	43	93416	46.111	ug/l	96
44) Trichloroethene	9.11	130	102948	51.571	ug/l	98
45) 1,2-Dichloropropane	9.39	63	84523	49.883	ug/l	95
46) Dibromomethane	9.48	93	48862	50.634	ug/l	97
47) Bromodichloromethane	9.67	83	123627	49.759	ug/l	98
48) Methyl methacrylate	9.46	41	41631	42.889	ug/l	90
49) 1,4-Dioxane	9.47	88	13174	1000.134	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	249284	237.260	ug/l	99
52) Toluene	10.41	92	246932	51.961	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	118884	49.036	ug/l #	85
54) cis-1,3-Dichloropropene	10.09	75	136580	48.940	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	71899	52.768	ug/l	93
56) Ethyl methacrylate	10.67	69	84385	48.906	ug/l	97
57) 1,3-Dichloropropane	10.95	76	114748	49.222	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	186044	250.845	ug/l	99
59) 2-Hexanone	10.99	43	189025	248.708	ug/l	98
60) Dibromochloromethane	11.14	129	92249	52.004	ug/l	100
61) 1,2-Dibromoethane	11.26	107	68688	52.000	ug/l	100
64) Tetrachloroethene	10.88	164	94633	52.178	ug/l	96
65) Chlorobenzene	11.67	112	279026	52.298	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	102635	52.207	ug/l	98
67) Ethyl Benzene	11.75	91	504987	52.490	ug/l	100
68) m/p-Xylenes	11.86	106	397946	107.167	ug/l	97
69) o-Xylene	12.19	106	185676	52.220	ug/l	93
70) Styrene	12.20	104	316697	52.614	ug/l	98
71) Bromoform	12.37	173	57490	54.490	ug/l #	96
73) Isopropylbenzene	12.48	105	505682	49.577	ug/l	97
74) N-amyl acetate	12.30	43	89950	40.960	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	81713	46.038	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	47894m	47.129	ug/l	
77) Bromobenzene	12.77	156	124169	48.862	ug/l	94
78) n-propylbenzene	12.83	91	605241	50.552	ug/l	100
79) 2-Chlorotoluene	12.91	91	314001	47.564	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	426067	50.069	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	25116	43.735	ug/l	94
82) 4-Chlorotoluene	13.01	91	333196	47.578	ug/l	98
83) tert-Butylbenzene	13.23	119	384078	50.715	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	428602	48.856	ug/l	98
85) sec-Butylbenzene	13.41	105	531813	51.998	ug/l	98
86) p-Isopropyltoluene	13.52	119	507399	52.428	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	254663	50.717	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	250019	50.472	ug/l	97
89) n-Butylbenzene	13.85	91	468381	51.993	ug/l	99
90) Hexachloroethane	14.11	117	92446	53.111	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	216148	49.951	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12324	44.414	ug/l	76

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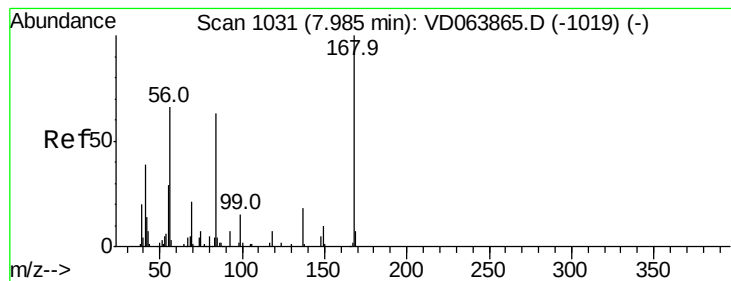
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	166256	49.794	ug/l	99
94) Hexachlorobutadiene	15.27	225	95823	52.007	ug/l	94
95) Naphthalene	15.41	128	276074	49.195	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	139747	48.510	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 173101

Ion Ratio Lower Upper

168 100

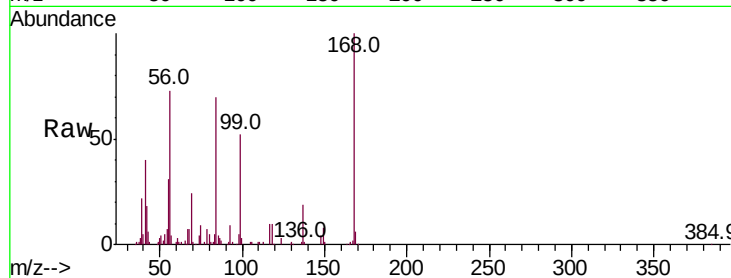
99 51.4 43.0 64.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

60000

40000

20000

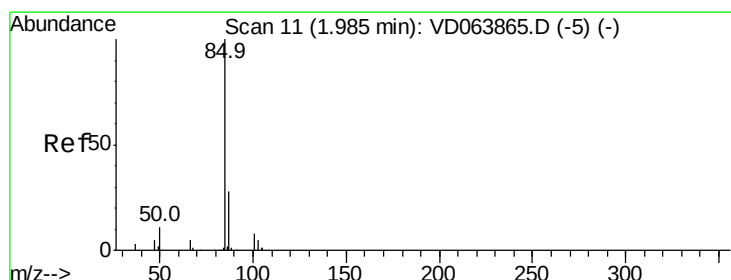
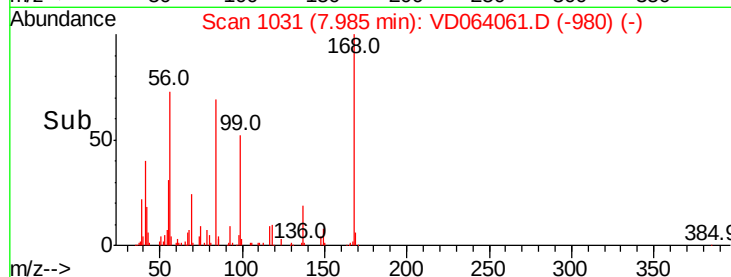
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.031 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064061.D

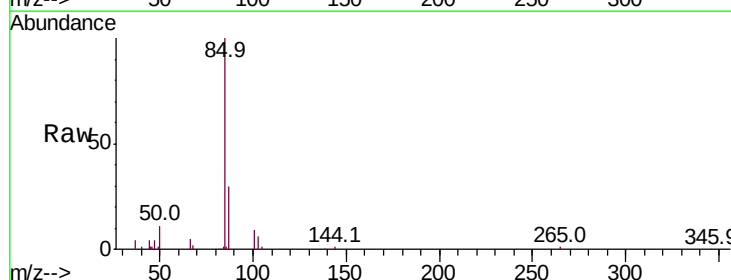
Acq: 25 Oct 2019 13:01

Tgt Ion: 85 Resp: 55280

Ion Ratio Lower Upper

85 100

87 30.1 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

20000

10000

0

1.90

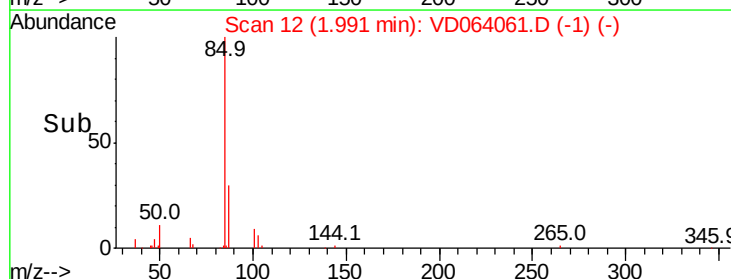
1.95

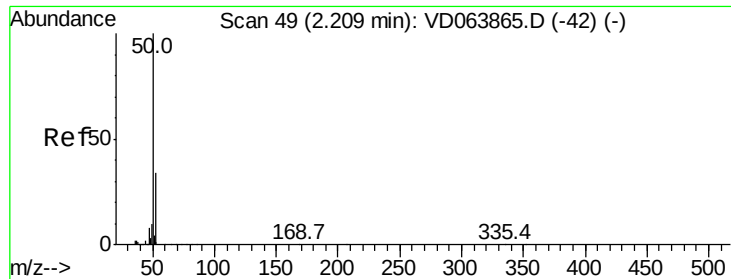
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 48.896 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 162460

Ion Ratio Lower Upper

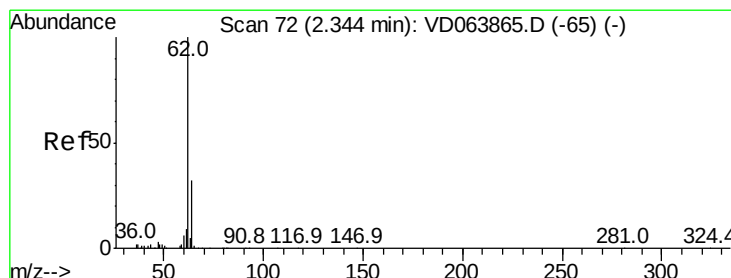
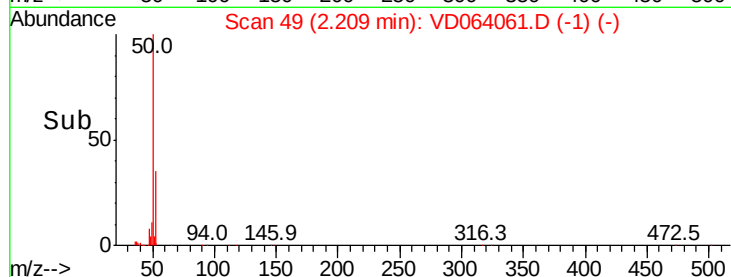
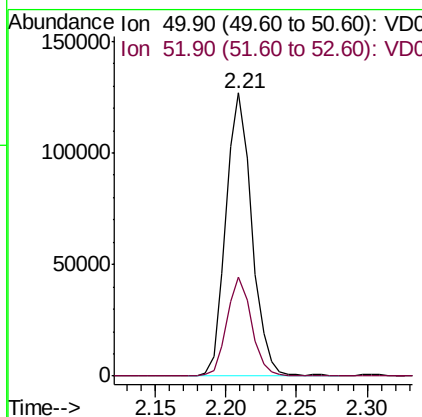
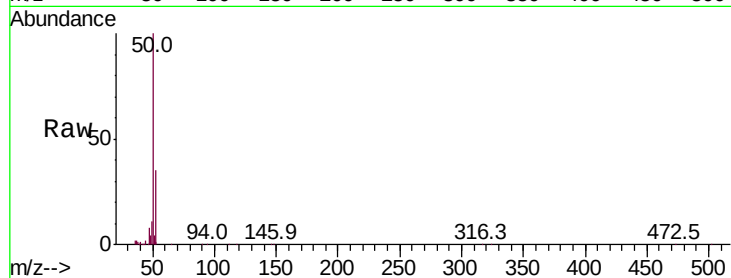
50 100

52 35.1 27.5 41.3

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#4

Vinyl Chloride

Concen: 50.426 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD064061.D

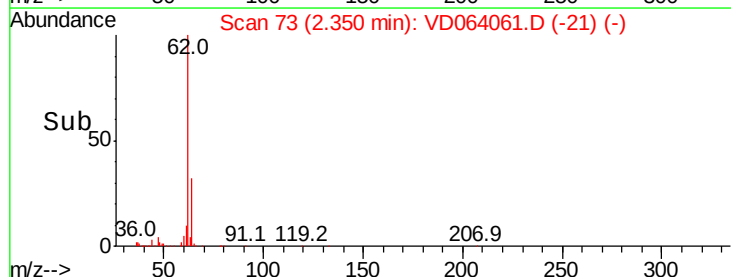
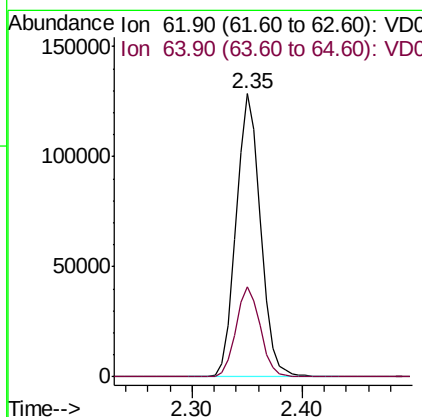
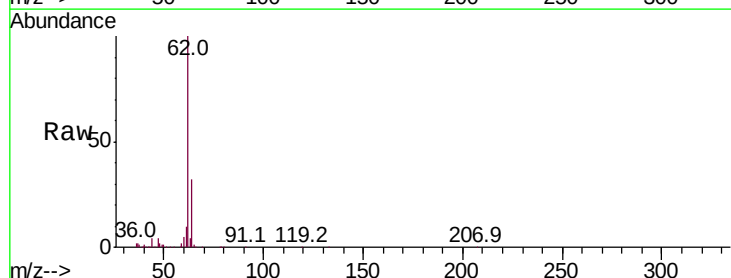
Acq: 25 Oct 2019 13:01

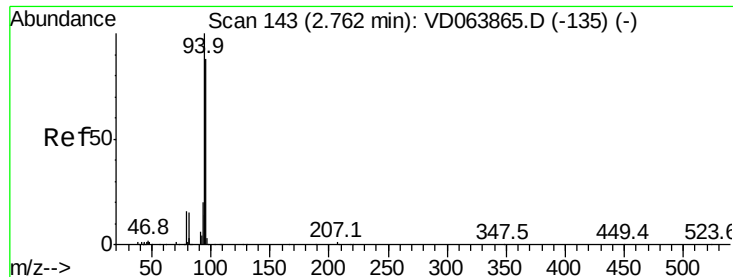
Tgt Ion: 62 Resp: 200071

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.0





#5

Bromomethane

Concen: 48.013 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 122468

Ion Ratio Lower Upper

94 100

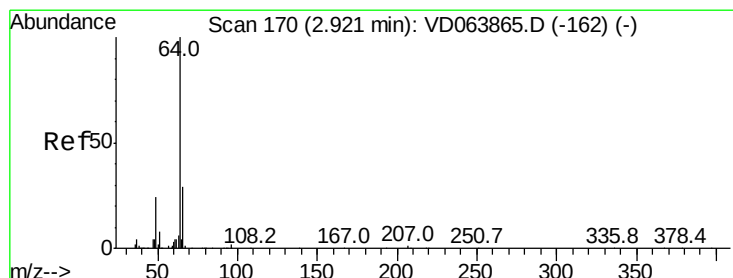
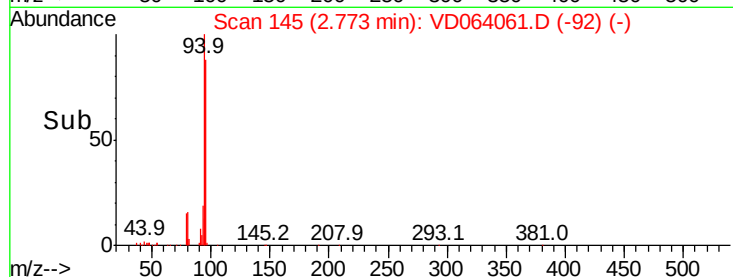
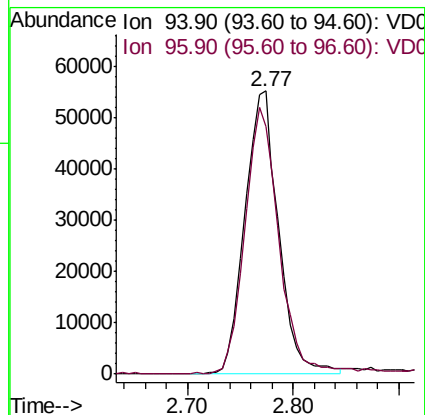
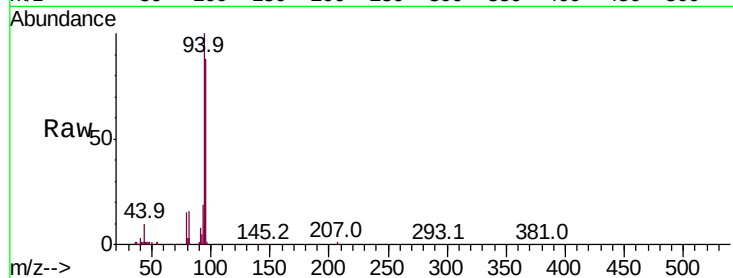
96 87.6 70.8 106.2

Manual Integrations

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#6

Chloroethane

Concen: 50.347 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD064061.D

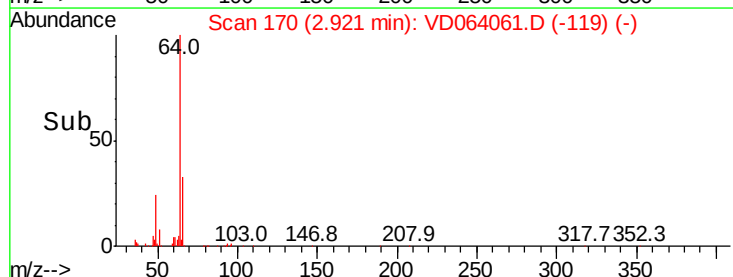
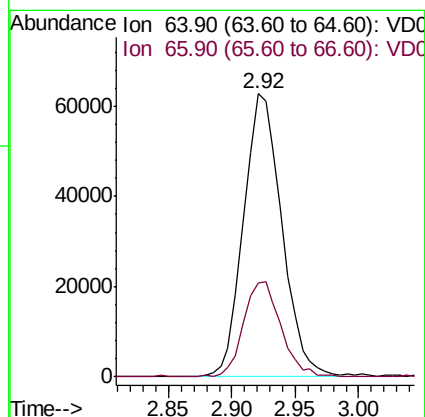
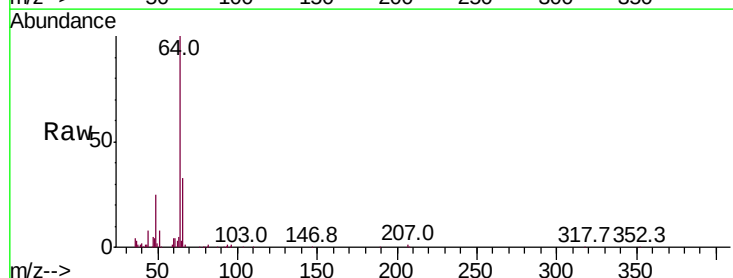
Acq: 25 Oct 2019 13:01

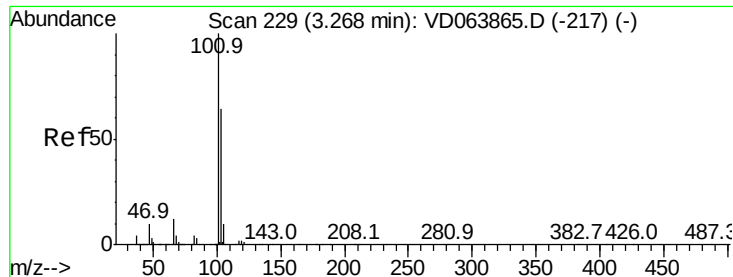
Tgt Ion: 64 Resp: 132107

Ion Ratio Lower Upper

64 100

66 33.3 23.0 34.4





#7

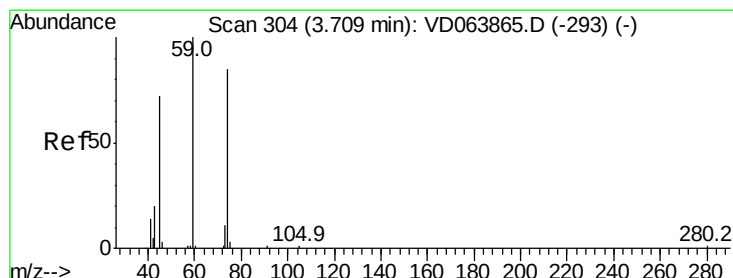
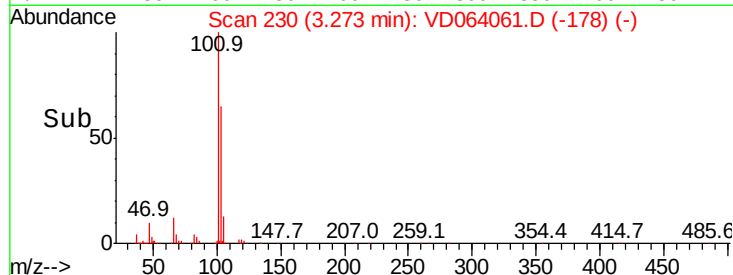
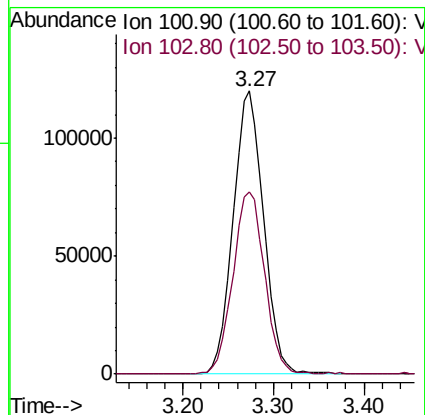
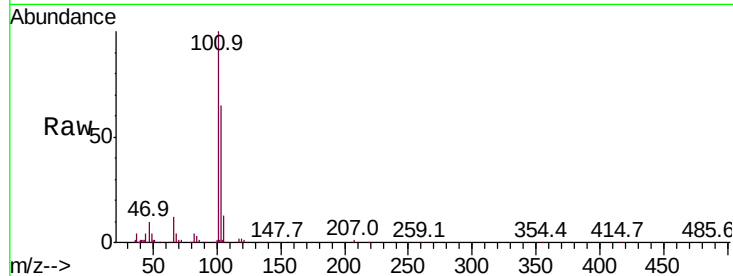
Trichlorofluoromethane
Concen: 53.450 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	280385		
103	64.4	51.1	76.7	

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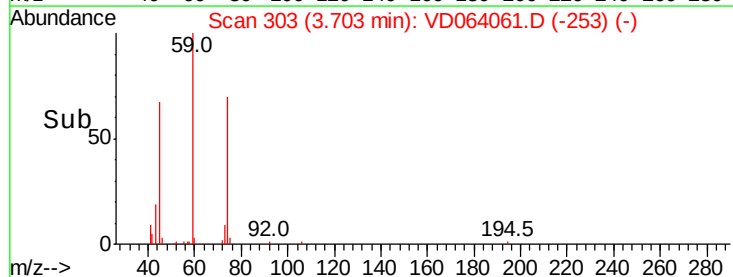
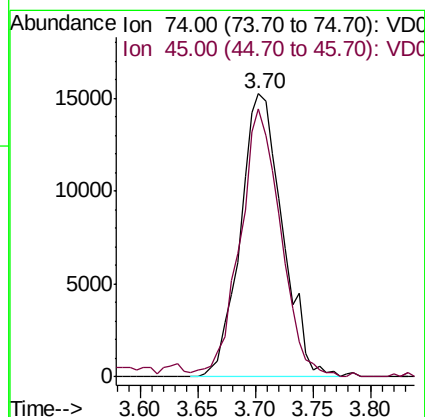
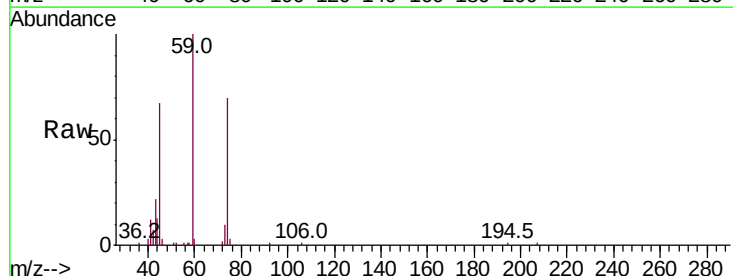
MMDadoda
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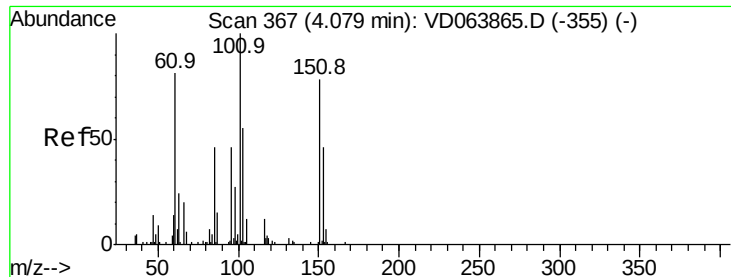


#8

Diethyl Ether
Concen: 46.147 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	38855		
45	91.4	48.1	144.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.237 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

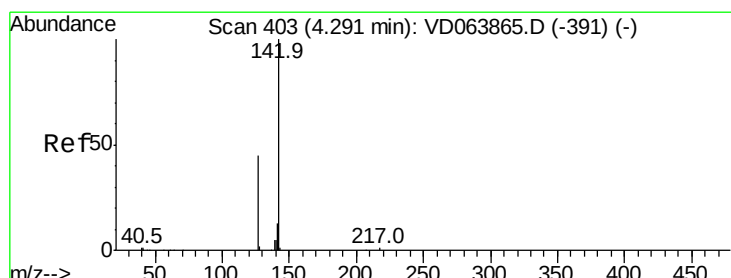
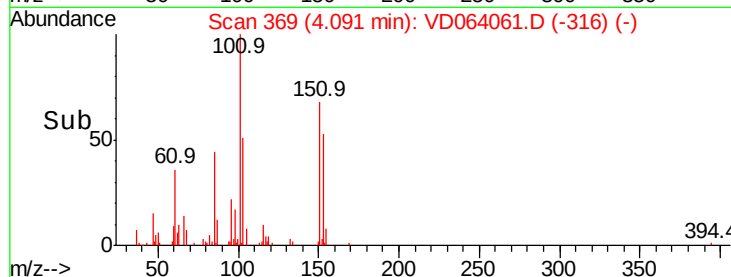
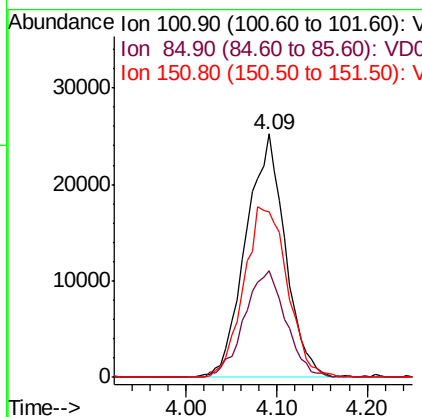
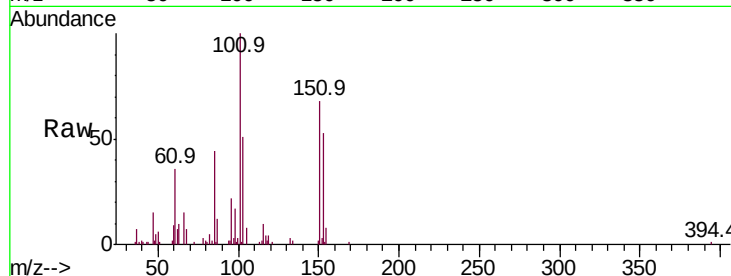
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	75852
Ion Ratio	Lower	Upper	
101	100		
85	46.4	37.5	56.3
151	77.3	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 44.111 ug/l

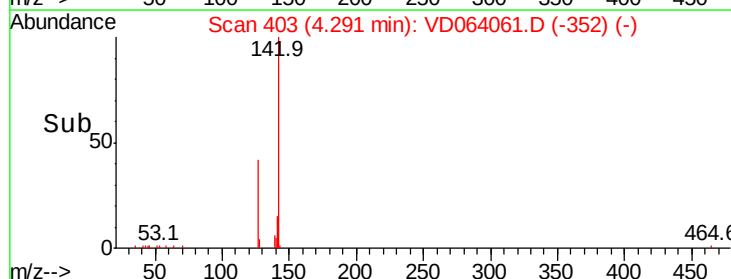
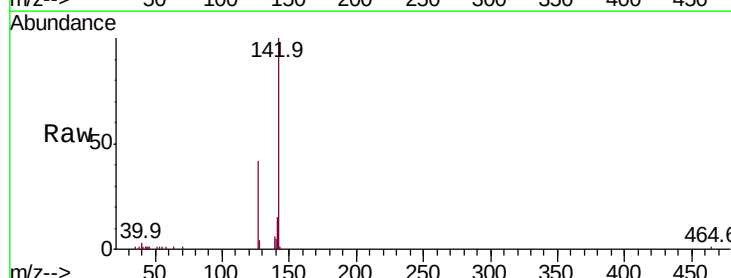
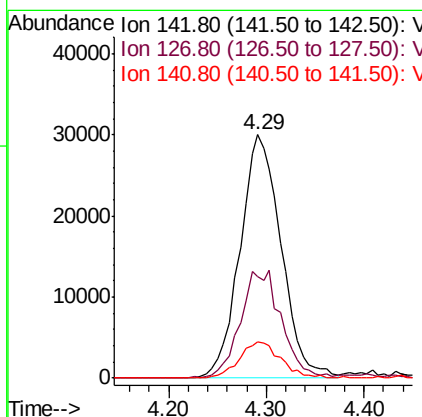
RT: 4.29 min Scan# 403

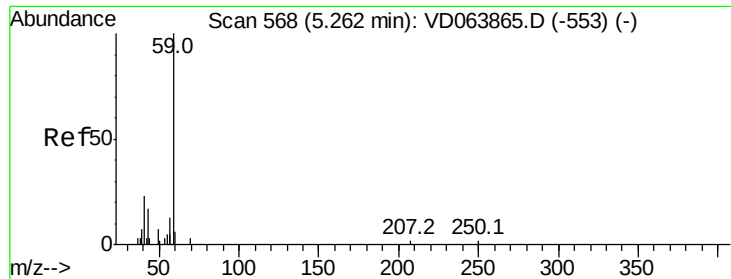
Delta R.T. -0.00 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Tgt Ion:	142	Resp:	88260
Ion Ratio	Lower	Upper	
142	100		
127	44.4	35.3	52.9
141	15.0	12.2	18.2





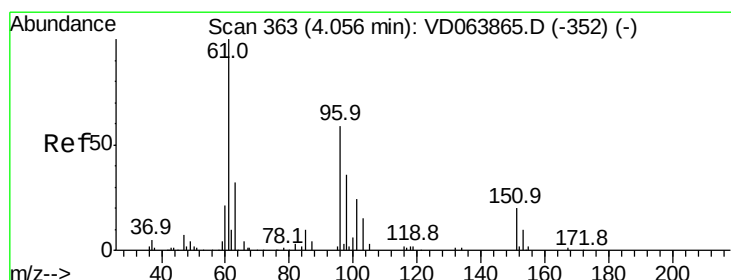
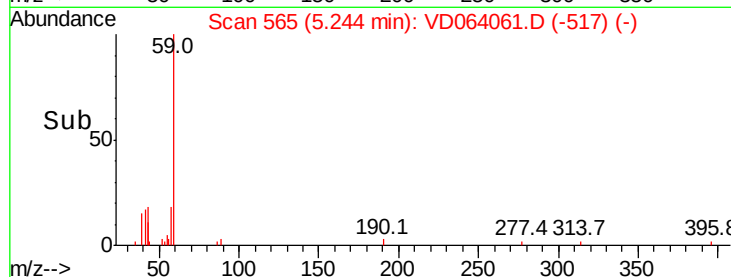
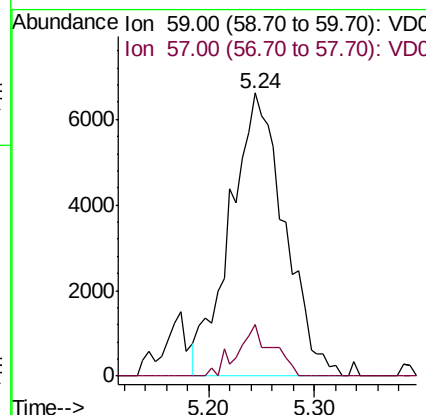
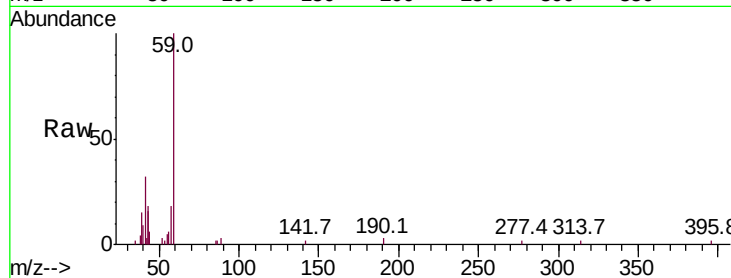
#11
Tert butyl alcohol
Concen: 200.471 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.02 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.7	8.8	13.2

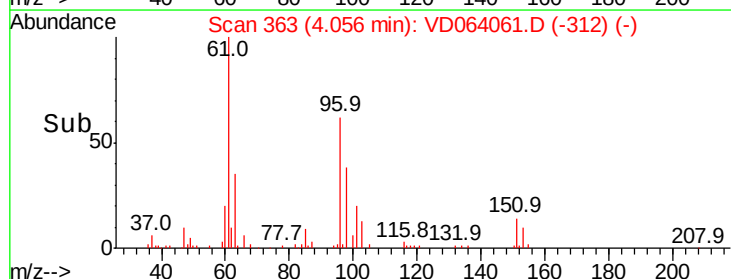
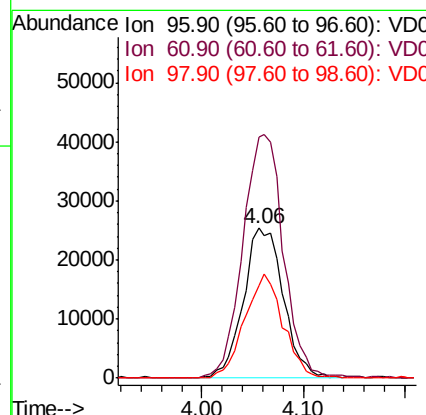
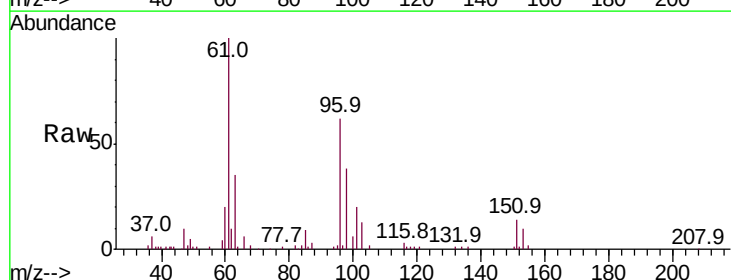
Manual Integrations
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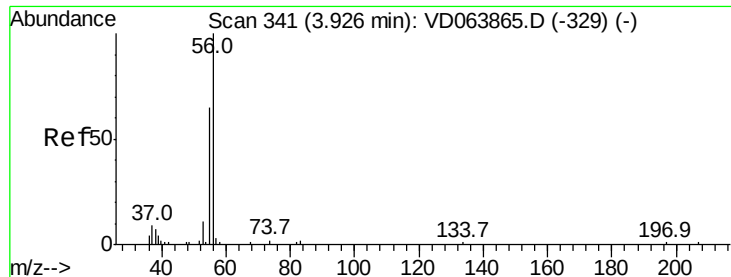
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.044 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.00 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.8	135.6	203.4
98	61.7	49.2	73.8





#13

Acrolein

Concen: 285.800 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 43018

Ion Ratio Lower Upper

56 100

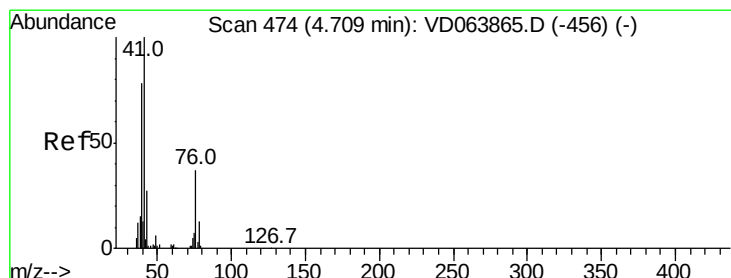
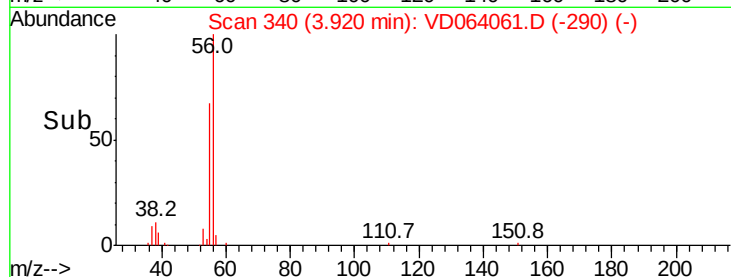
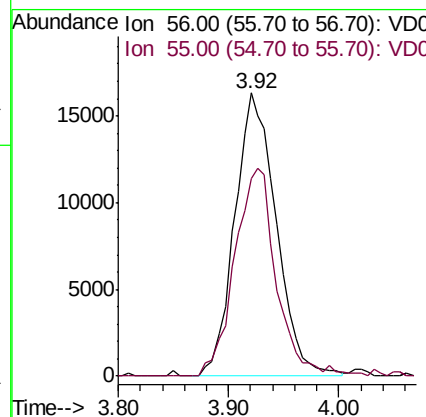
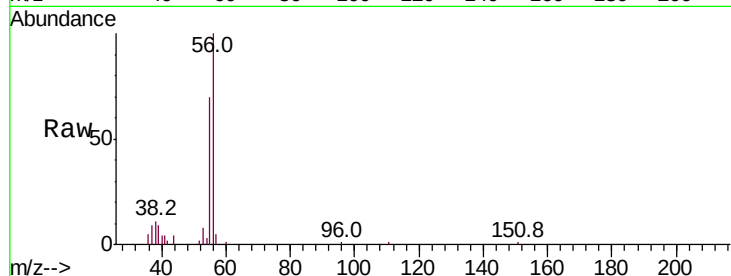
55 72.4 53.0 79.6

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#14

Allyl chloride

Concen: 45.329 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

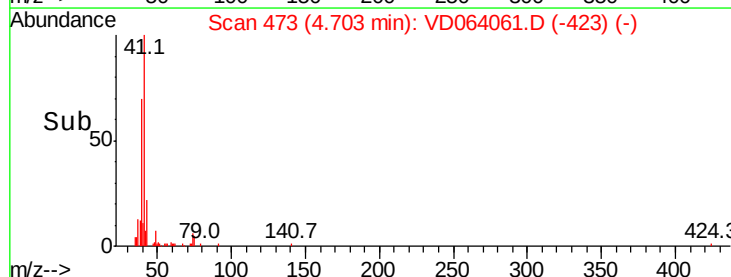
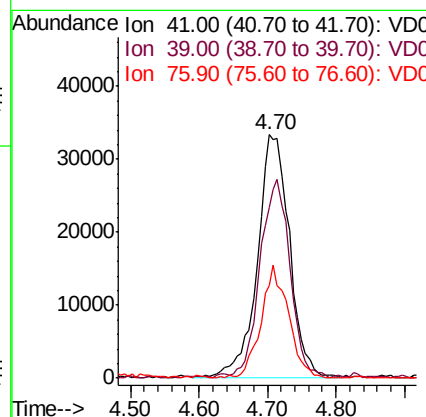
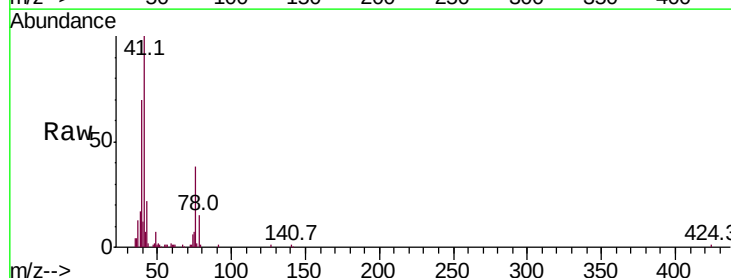
Tgt Ion: 41 Resp: 109330

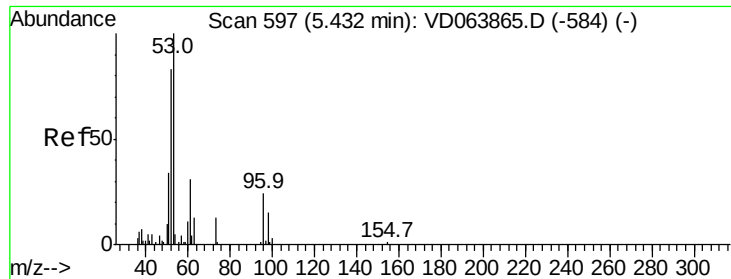
Ion Ratio Lower Upper

41 100

39 76.9 61.8 92.6

76 39.5 31.3 46.9





#15

Acrylonitrile

Concen: 247.257 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

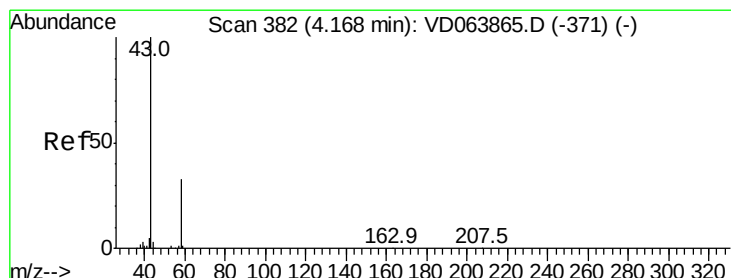
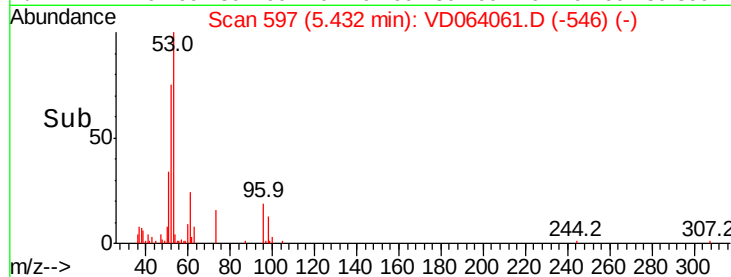
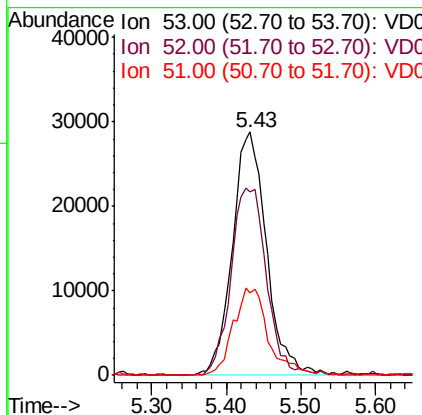
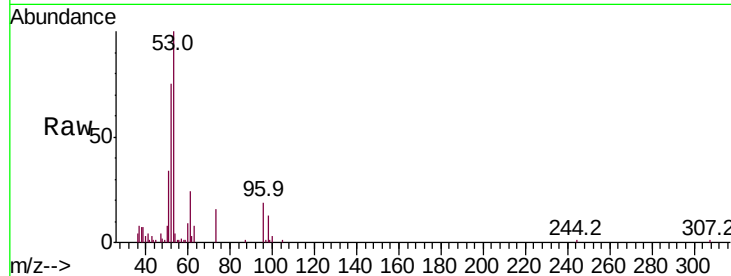
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	91786
Ion	Ratio	Lower	Upper
53	100		
52	79.5	67.3	100.9
51	36.3	30.5	45.7

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#16

Acetone

Concen: 239.772 ug/l

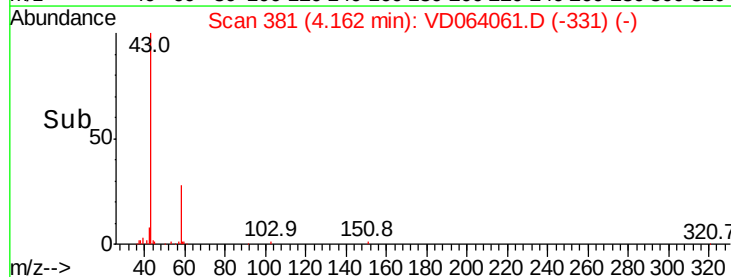
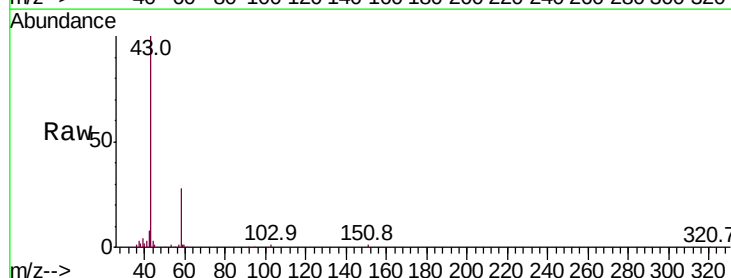
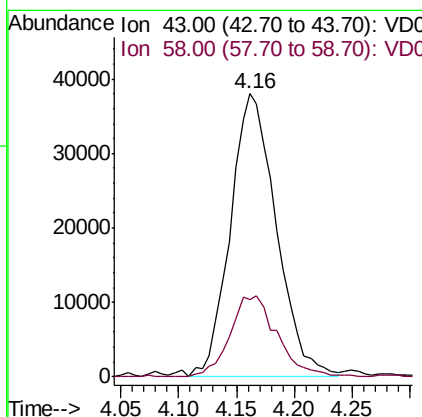
RT: 4.16 min Scan# 381

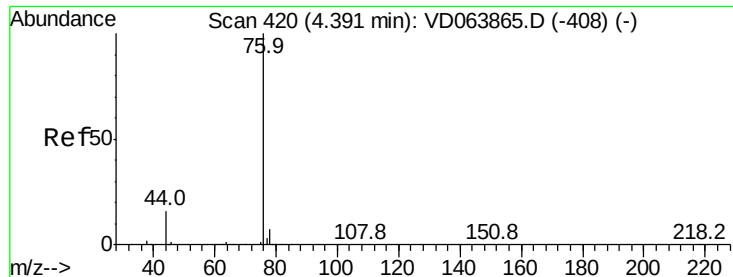
Delta R.T. -0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Tgt Ion:	43	Resp:	105204
Ion	Ratio	Lower	Upper
43	100		
58	27.5	26.2	39.4





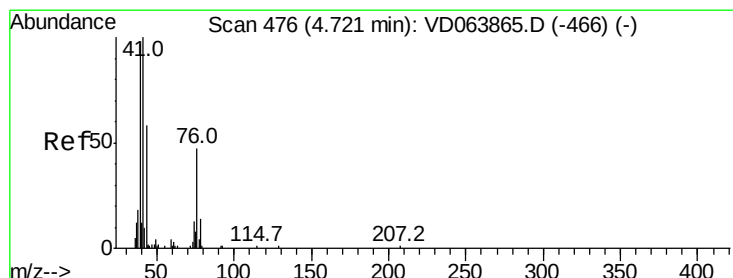
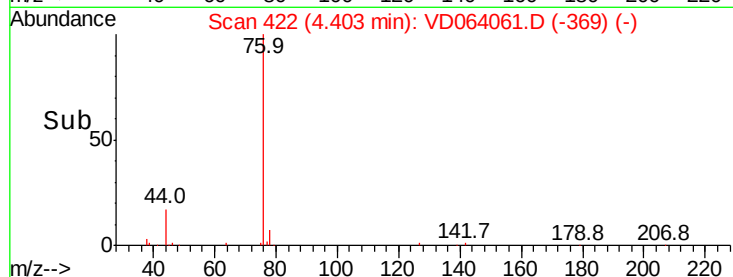
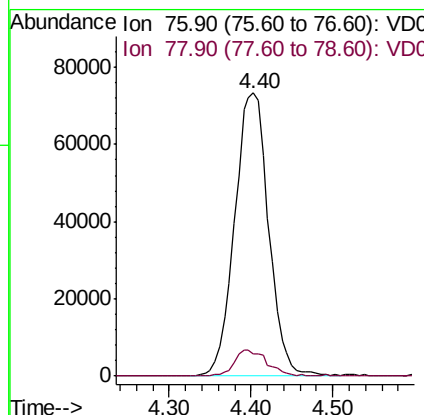
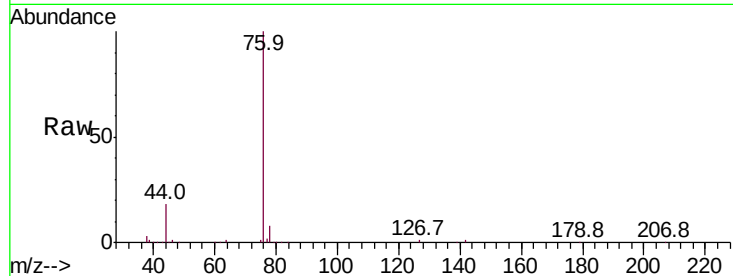
#17
Carbon Disulfide
Concen: 40.172 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.1	5.8	8.8

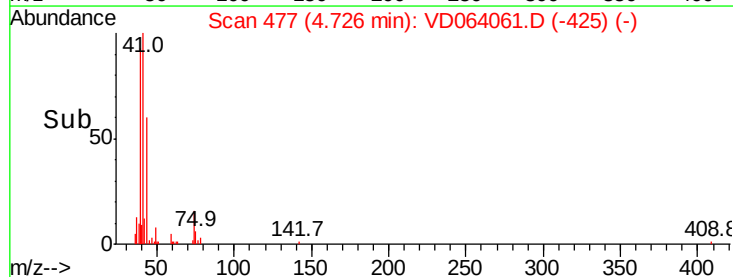
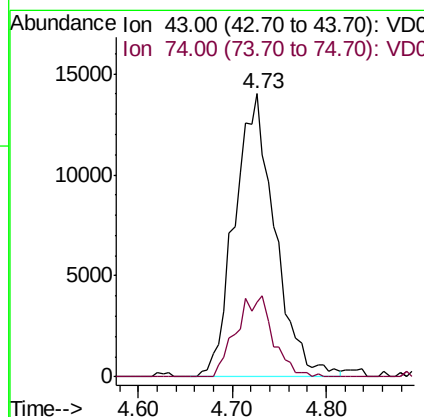
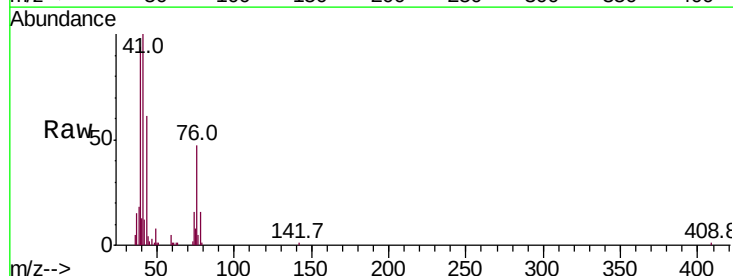
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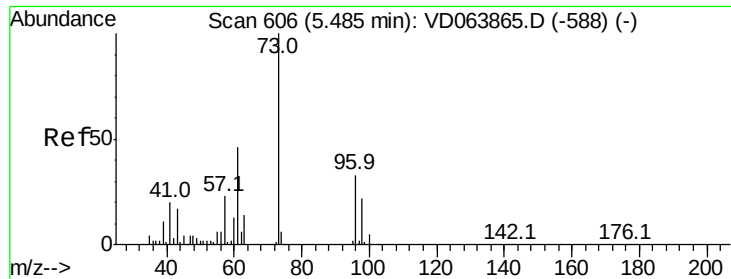
MMDadoda
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#18
Methyl Acetate
Concen: 48.402 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.3	20.8	31.2





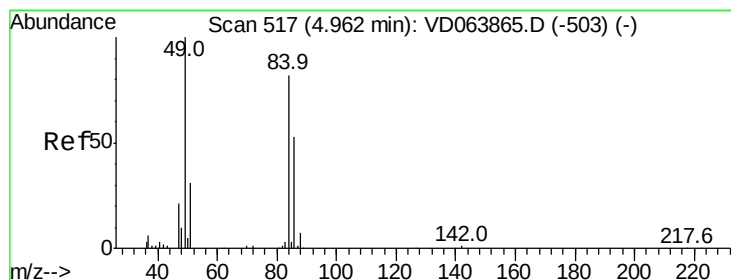
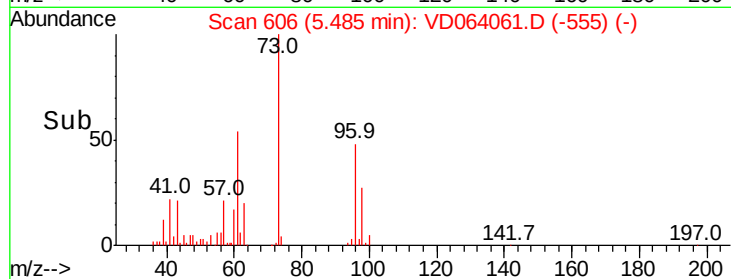
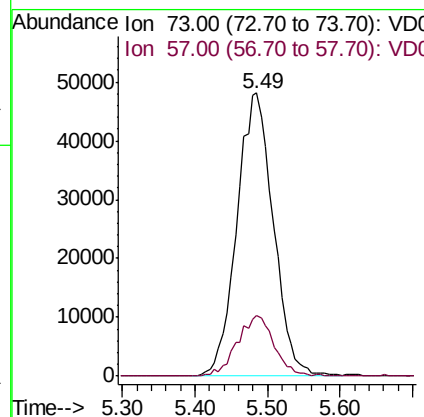
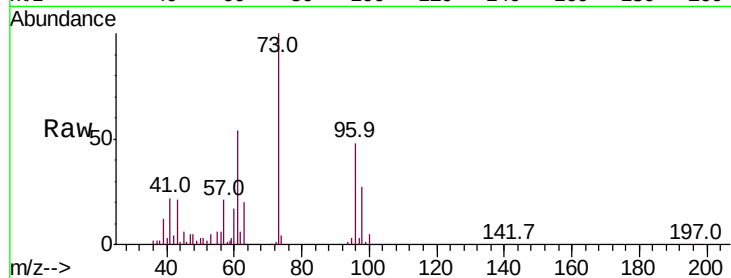
#19
Methyl tert-butyl Ether
Concen: 44.629 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	18.1	27.1

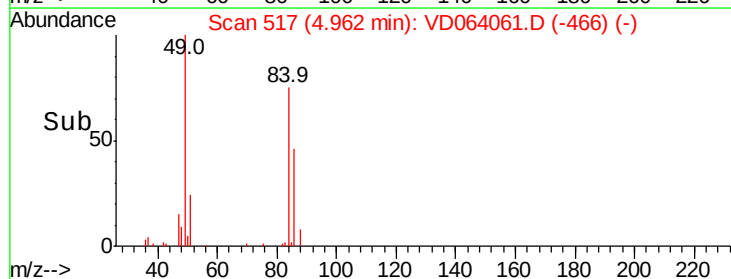
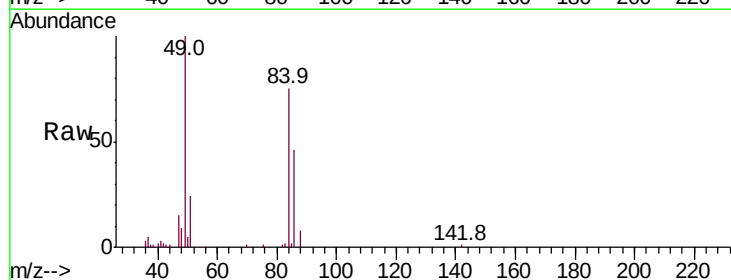
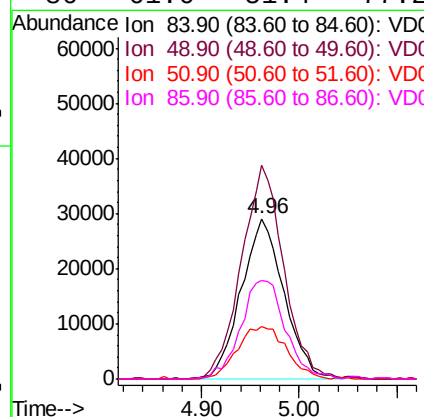
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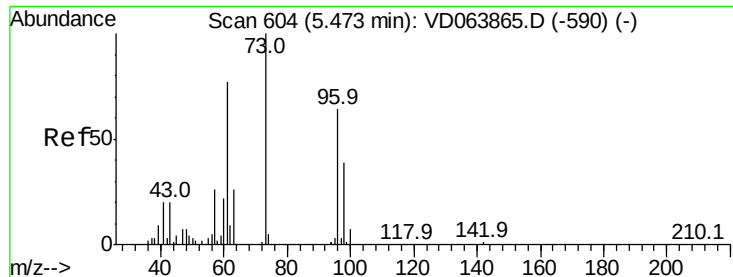
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#20
Methylene Chloride
Concen: 45.554 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.7	97.3	145.9
51	32.6	30.1	45.1
86	61.6	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 48.366 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

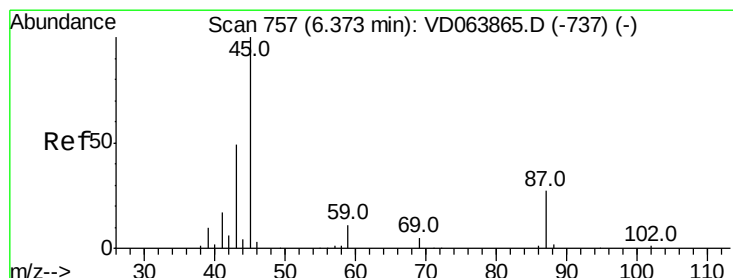
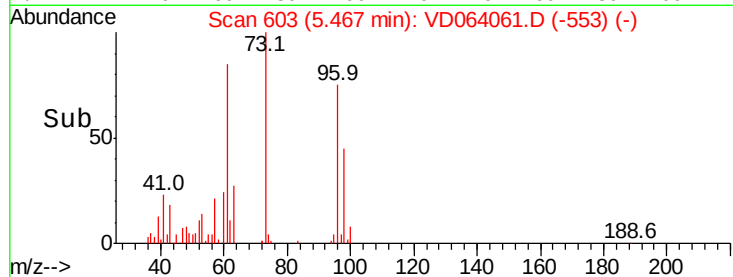
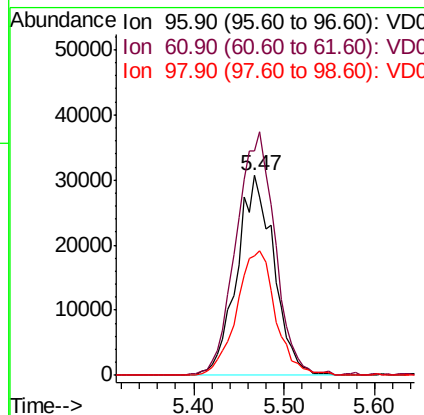
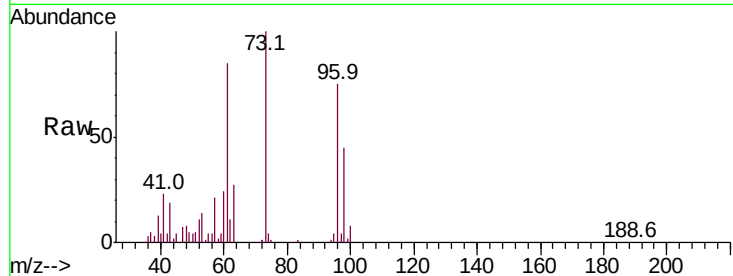
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	87348
Ion	Ratio	Lower	Upper
96	100		
61	112.2	96.6	145.0
98	59.9	48.7	73.1

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#22

Diisopropyl ether

Concen: 47.147 ug/l

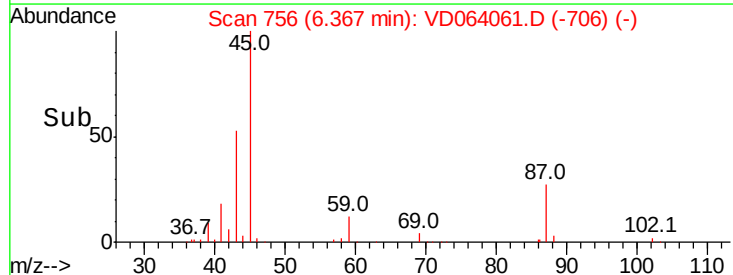
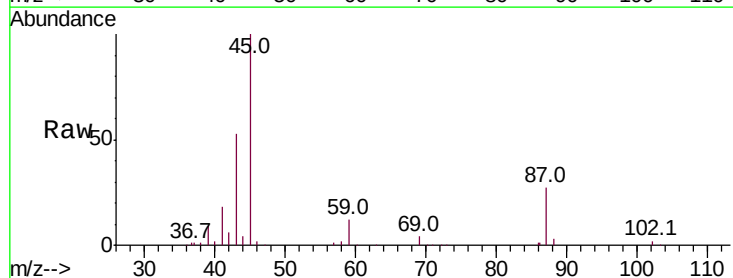
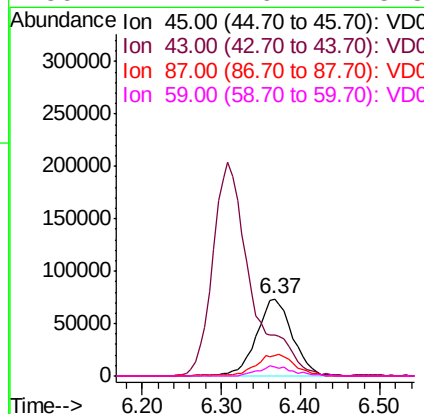
RT: 6.37 min Scan# 756

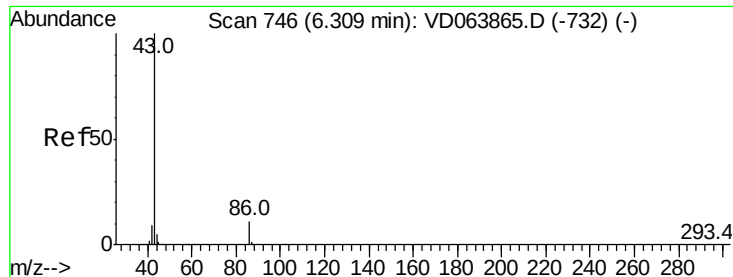
Delta R.T. -0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Tgt Ion:	45	Resp:	232243
Ion	Ratio	Lower	Upper
45	100		
43	52.3	41.2	61.8
87	26.6	22.2	33.4
59	11.7	9.2	13.8





#23

Vinyl Acetate

Concen: 233.605 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 684550

Ion Ratio Lower Upper

43 100

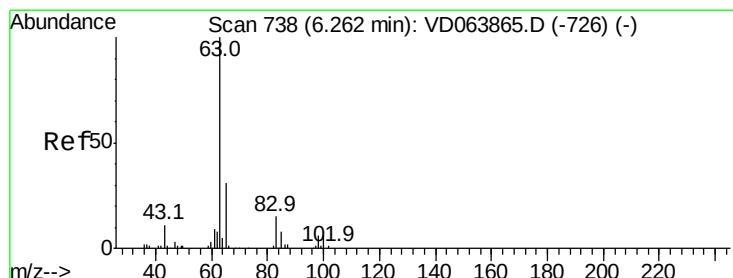
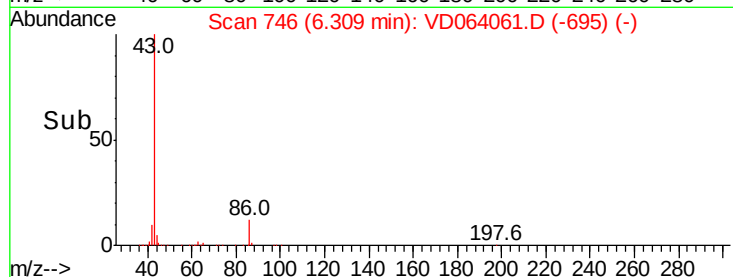
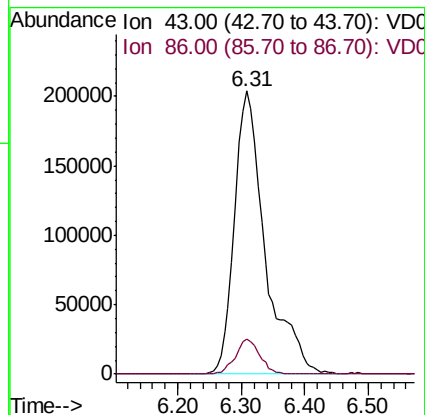
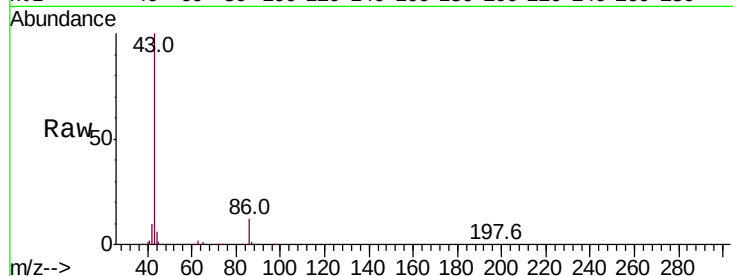
86 12.2 8.8 13.2

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#24

1,1-Dichloroethane

Concen: 47.948 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

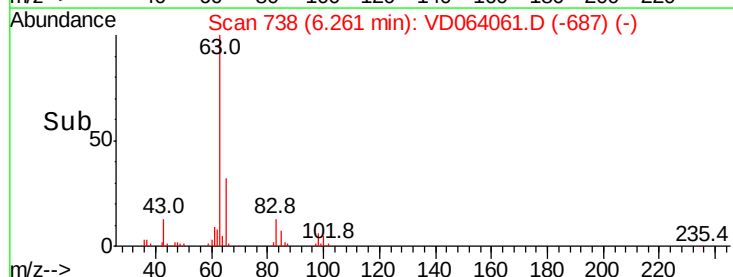
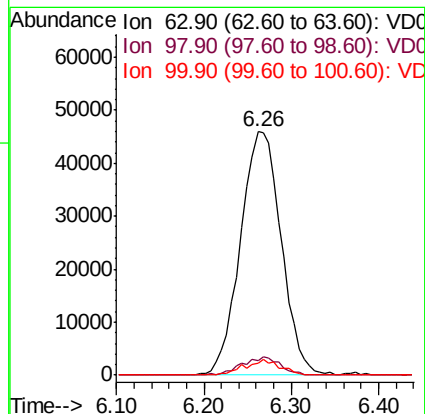
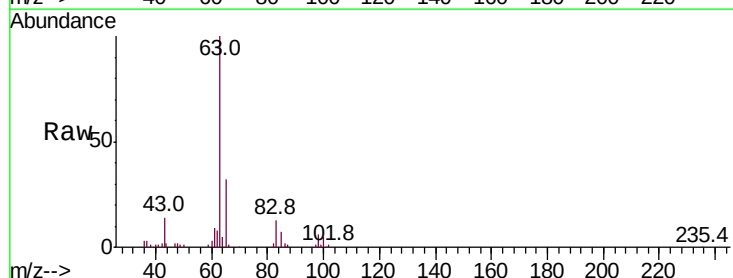
Tgt Ion: 63 Resp: 145483

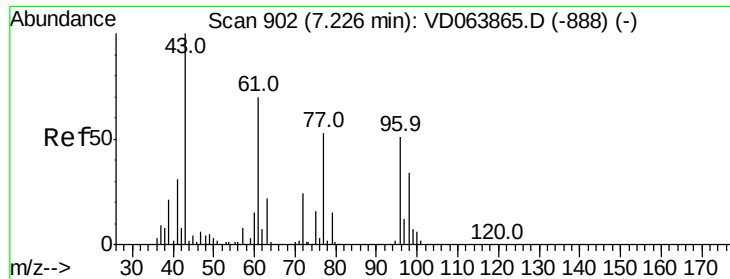
Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.4

100 5.1 3.0 9.2





#25

2-Butanone

Concen: 232.550 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 120923

Ion Ratio Lower Upper

43 100

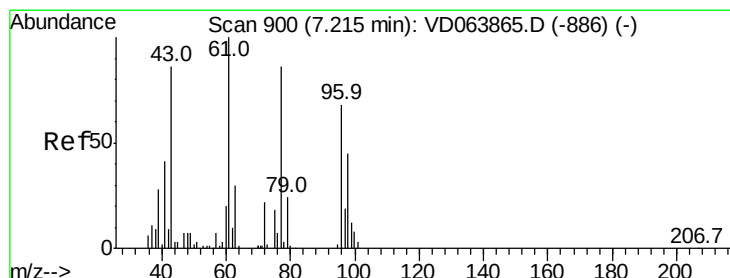
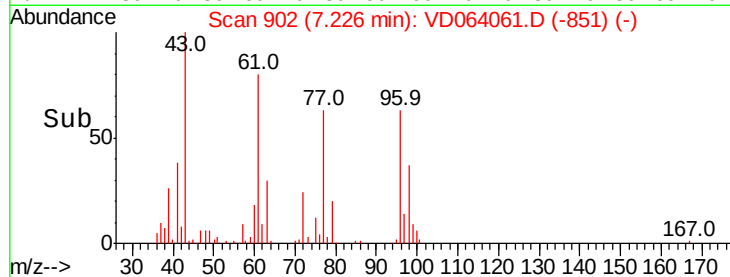
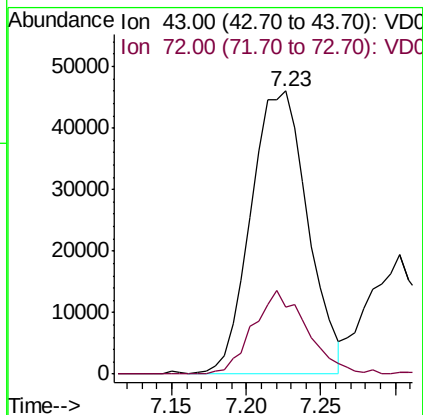
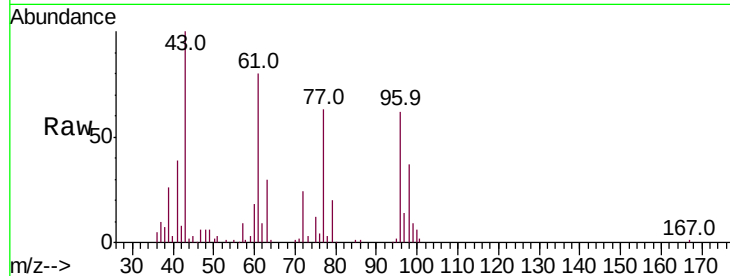
72 23.6 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.614 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064061.D

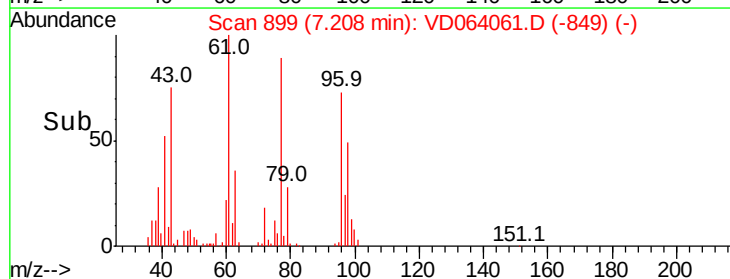
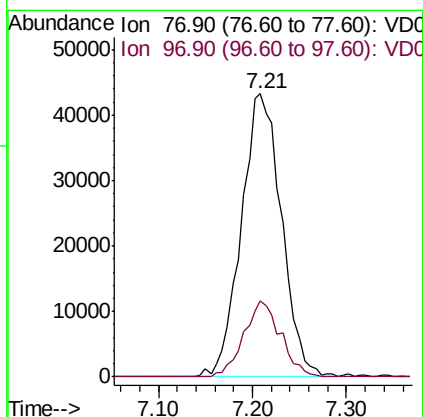
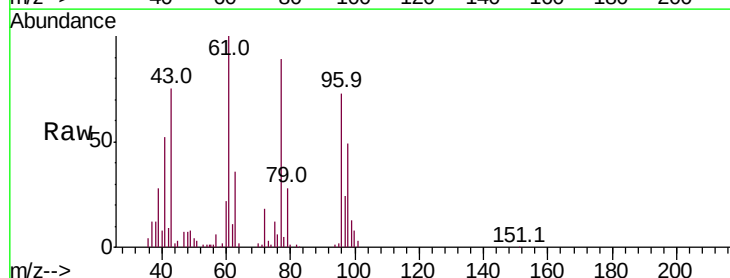
Acq: 25 Oct 2019 13:01

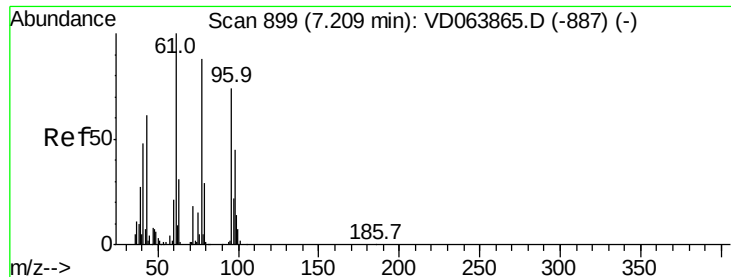
Tgt Ion: 77 Resp: 127940

Ion Ratio Lower Upper

77 100

97 24.6 11.4 34.1





#27

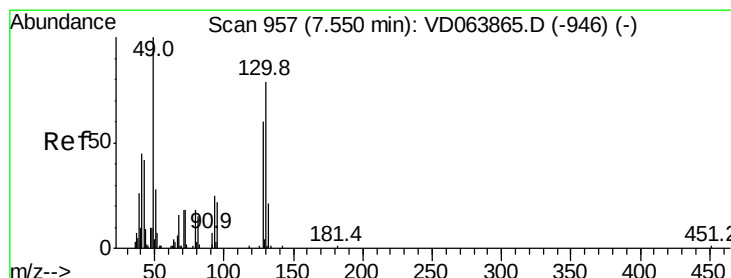
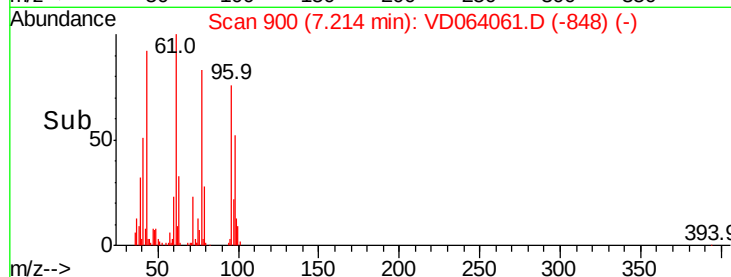
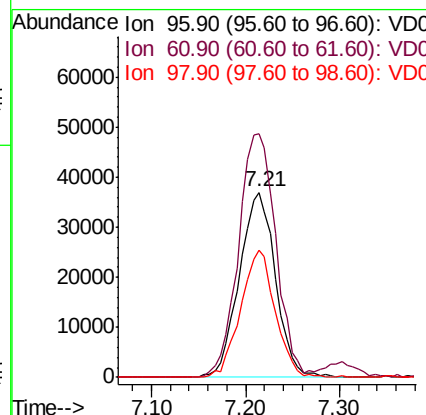
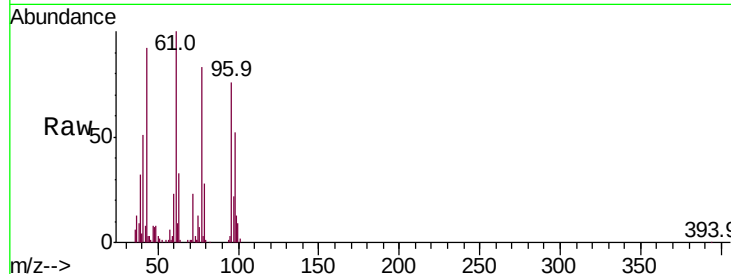
cis-1,2-Dichloroethene
 Concen: 48.193 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD064061.D
 Acq: 25 Oct 2019 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	98514		
61	136.6		0.0	280.0
98	65.6		0.0	130.4

Manual Integrations
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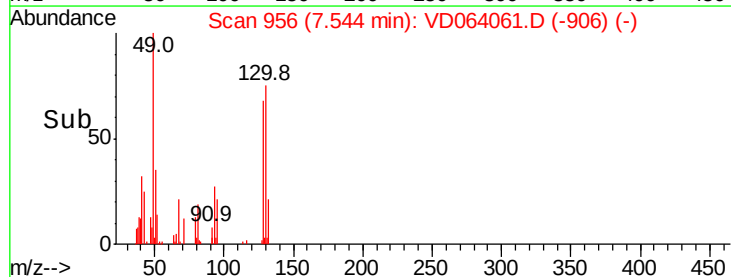
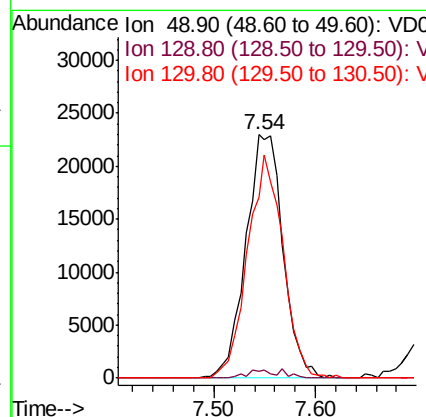
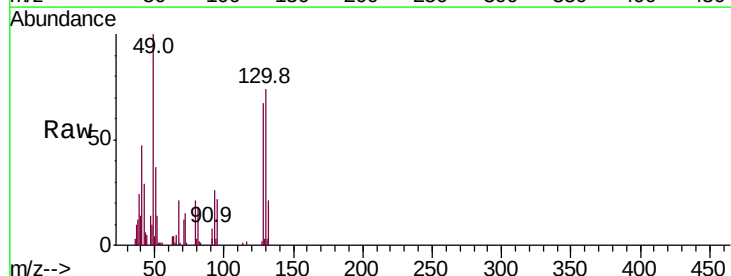
MMDadoda
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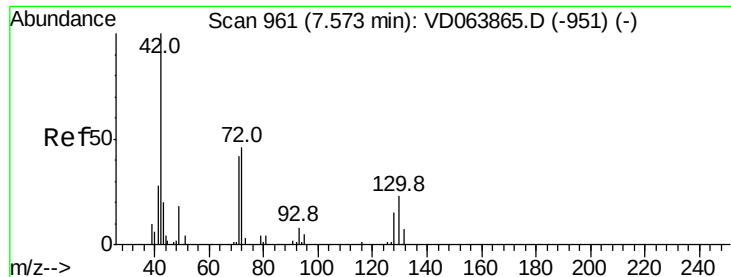


#28

Bromochloromethane
 Concen: 50.700 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064061.D
 Acq: 25 Oct 2019 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	58517		
129	2.1		0.0	5.6
130	87.3		66.8	100.2





#29

Tetrahydrofuran

Concen: 226.440 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

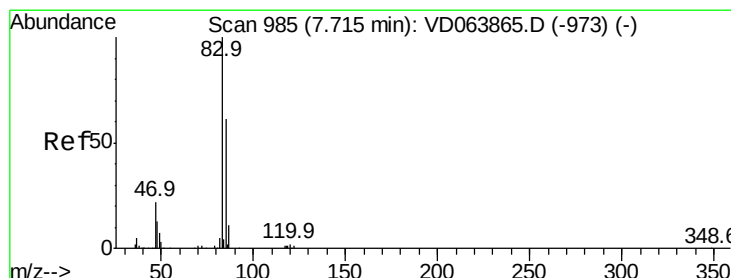
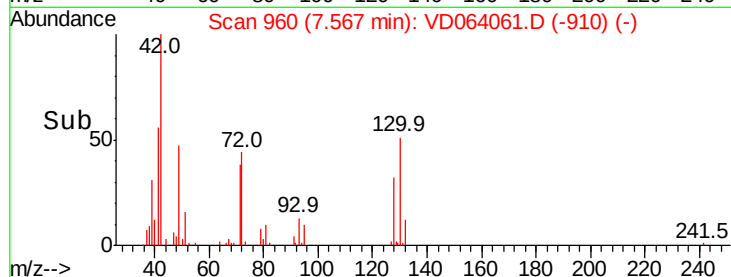
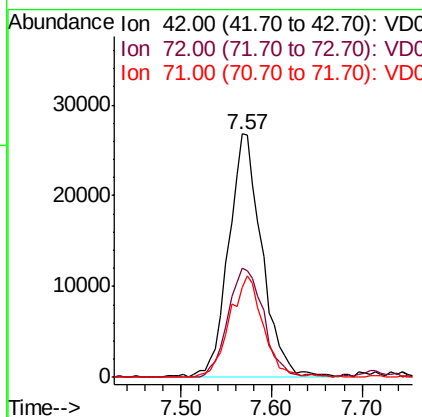
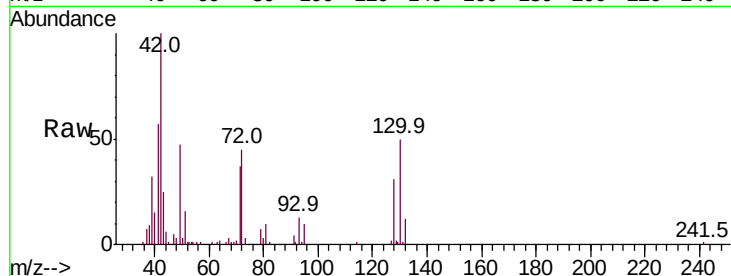
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	68726
Ion	Ratio	Lower	Upper
42	100		
72	47.5	37.6	56.4
71	41.7	35.0	52.6

Manual Integrations
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#30

Chloroform

Concen: 48.691 ug/l

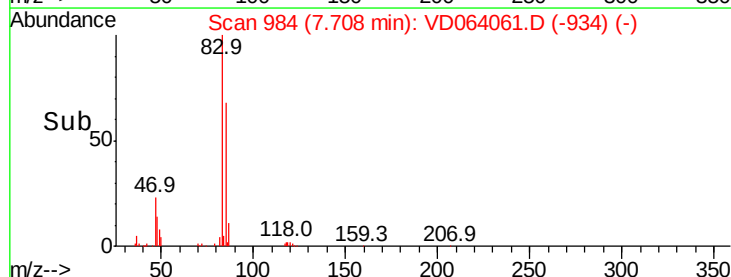
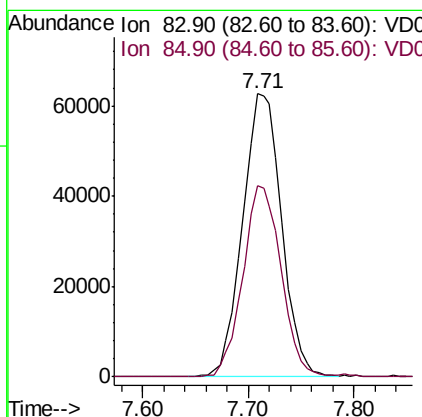
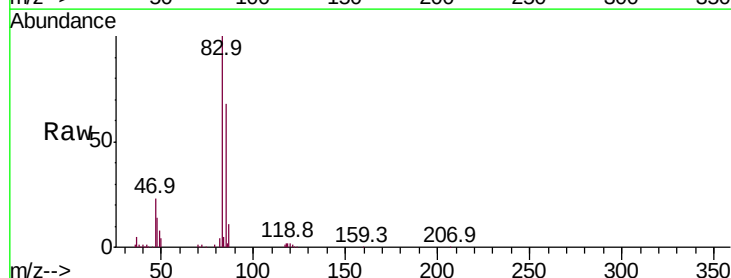
RT: 7.71 min Scan# 984

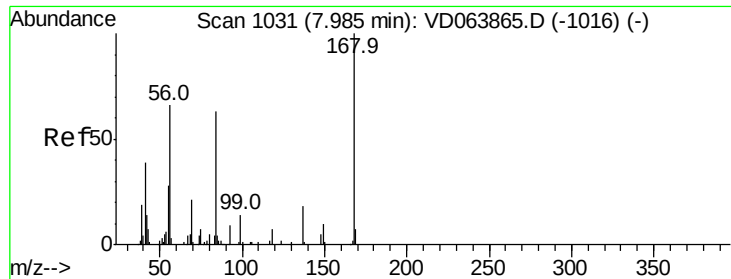
Delta R.T. -0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Tgt Ion:	83	Resp:	160460
Ion	Ratio	Lower	Upper
83	100		
85	67.8	48.9	73.3





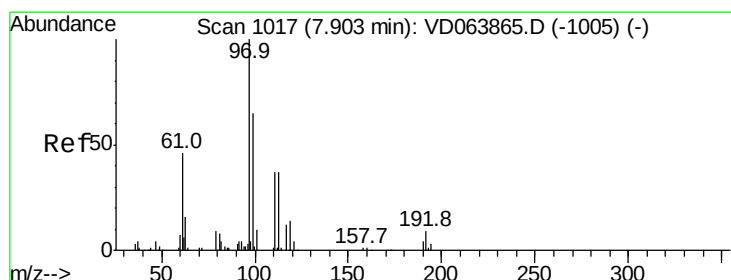
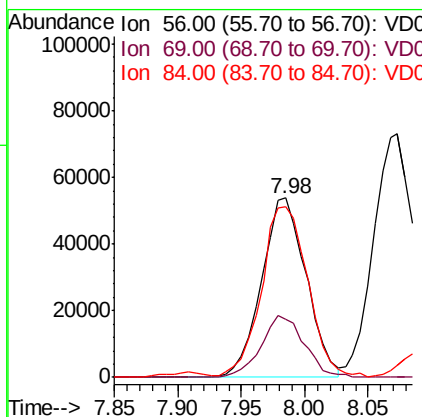
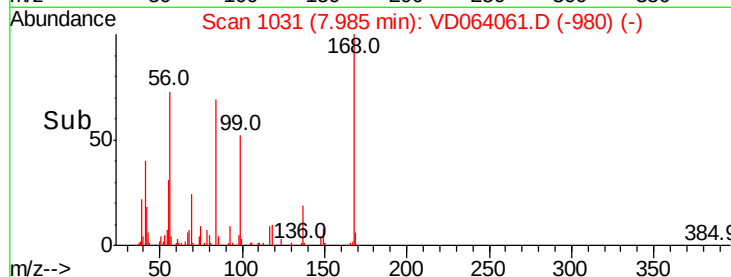
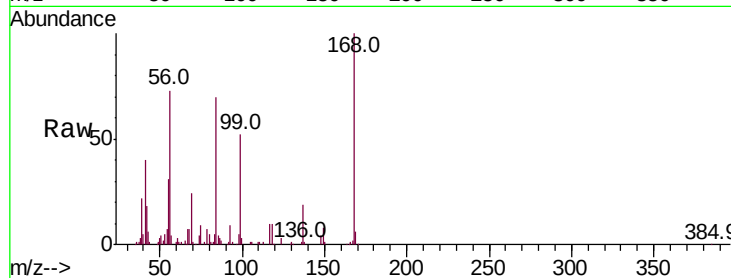
#31
Cyclohexane
Concen: 52.507 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.0	37.4
84	91.9	76.3	114.5

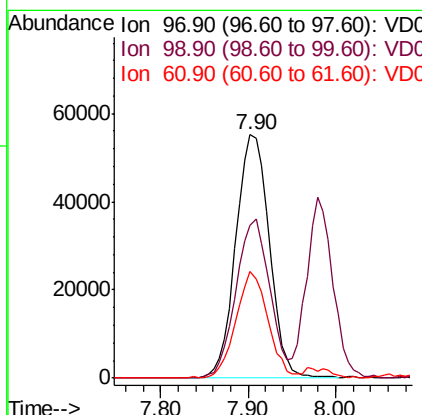
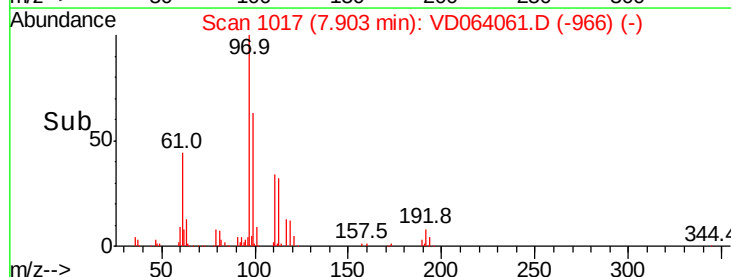
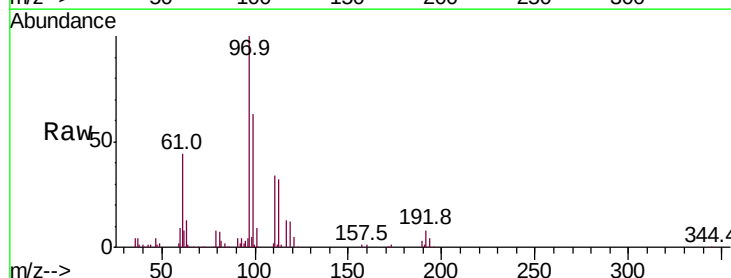
Manual Integrations
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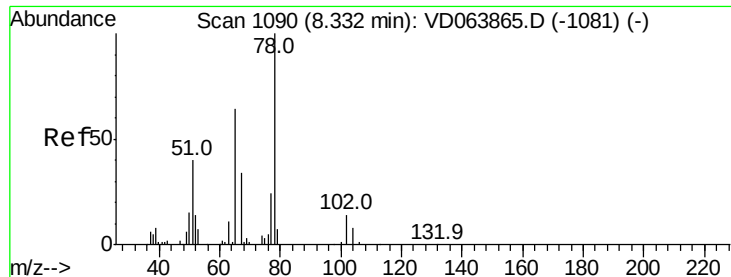
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.803 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.4	78.6
61	40.9	33.8	50.8





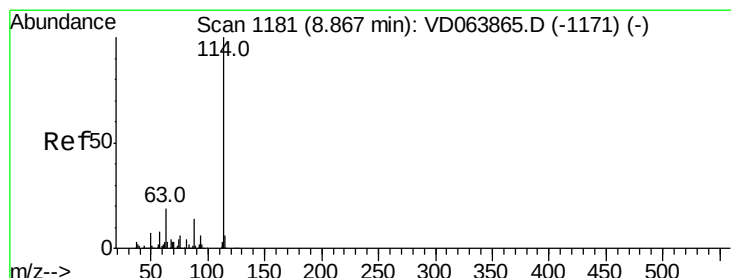
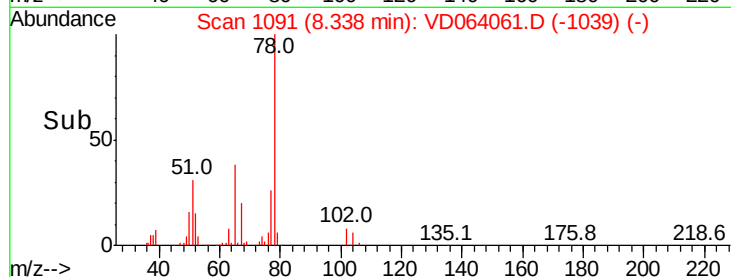
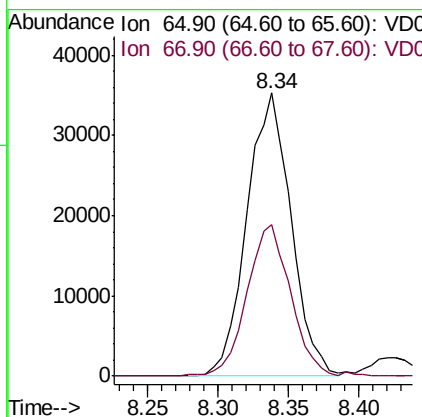
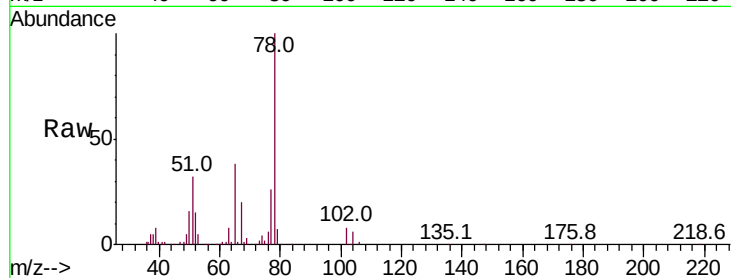
#33
 1,2-Dichloroethane-d4
 Concen: 45.960 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064061.D
 Acq: 25 Oct 2019 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.4

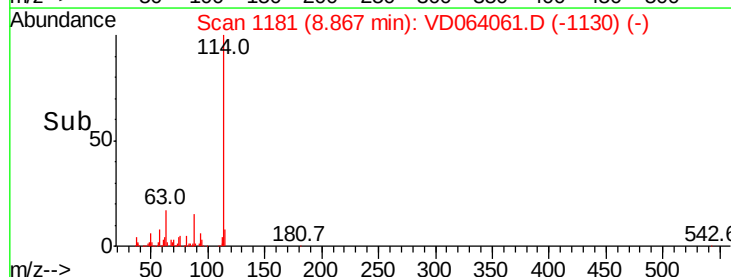
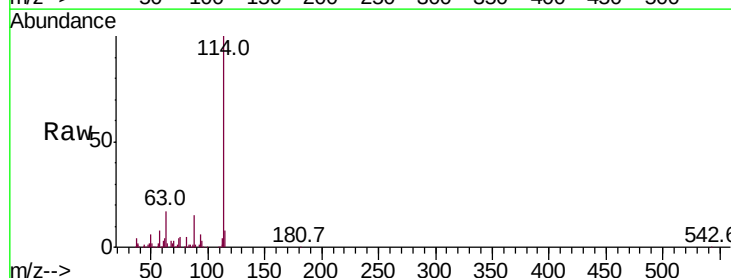
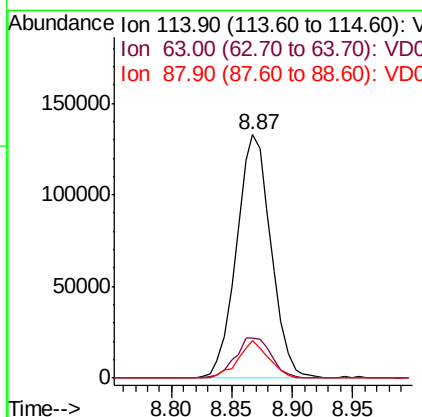
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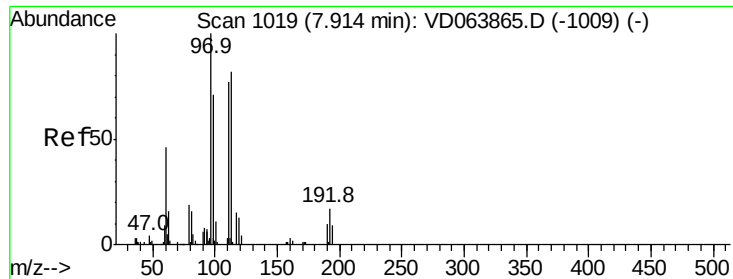
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064061.D
 Acq: 25 Oct 2019 13:01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.5	0.0	38.4
88	15.4	0.0	27.4





#35

Dibromofluoromethane

Concen: 48.629 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

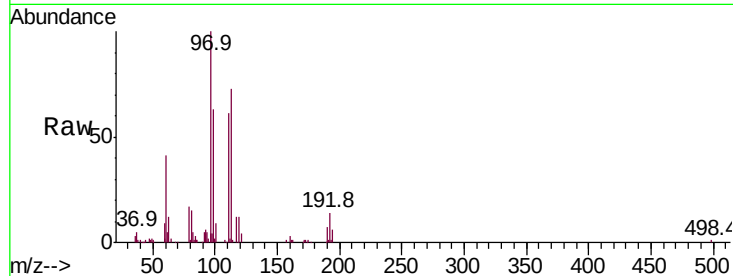
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	78519
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.6	123.8
192	21.3	17.1	25.7

Manual Integrations
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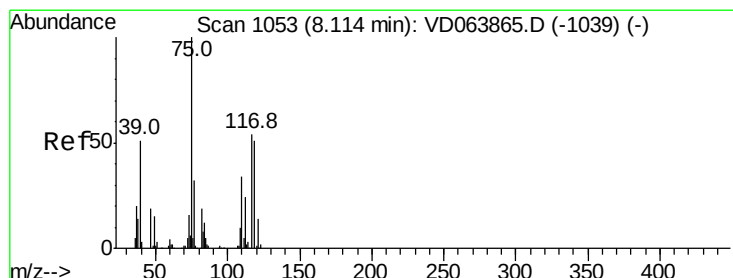
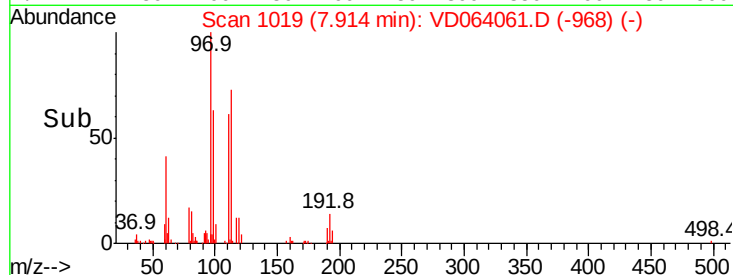
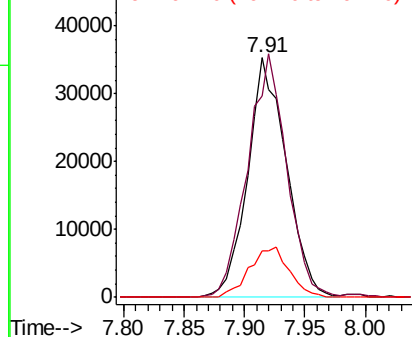


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.129 ug/l

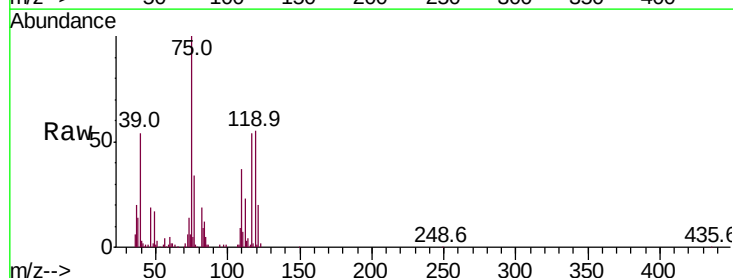
RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Tgt Ion:	75	Resp:	125928
Ion	Ratio	Lower	Upper
75	100		
110	36.7	17.4	52.3
77	30.1	25.4	38.0

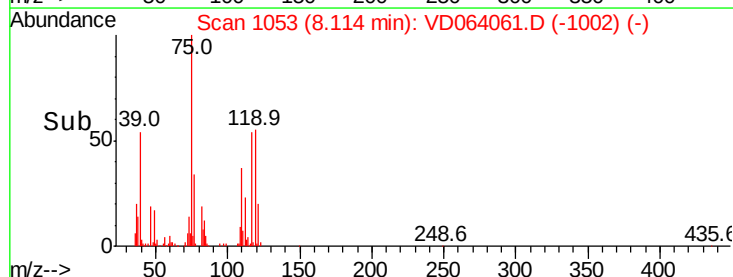
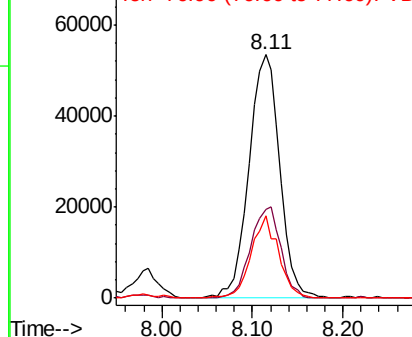


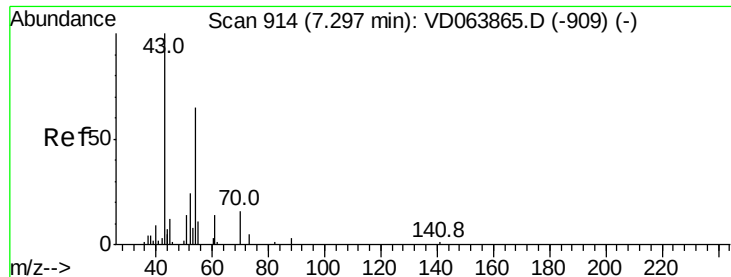
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





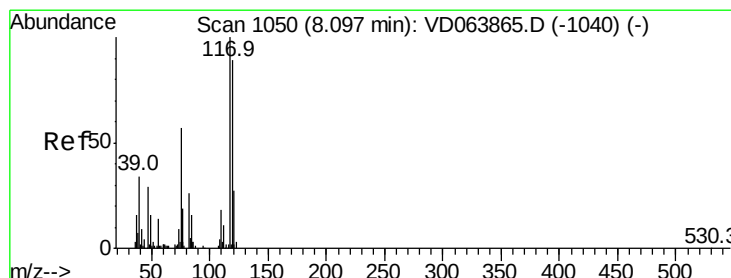
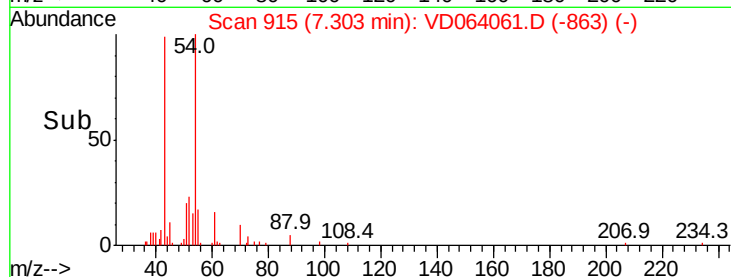
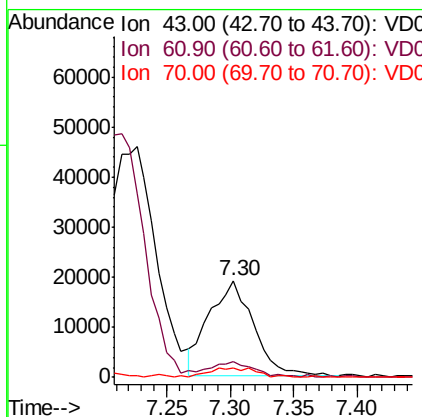
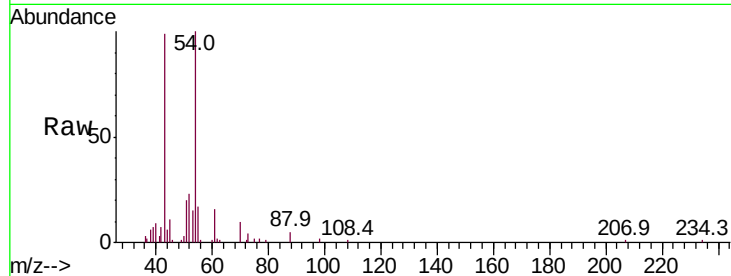
#37
Ethyl Acetate
Concen: 47.344 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.5	17.3
70	11.0	8.2	12.4

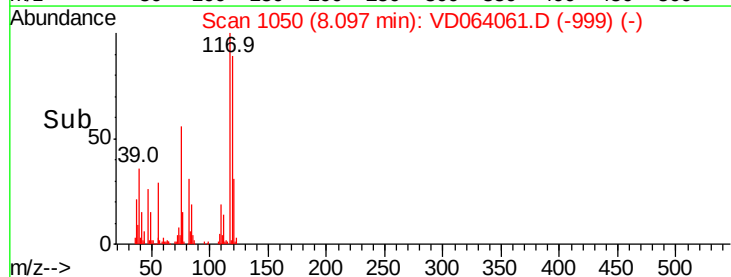
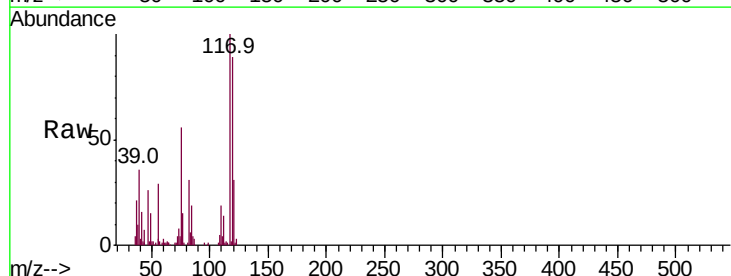
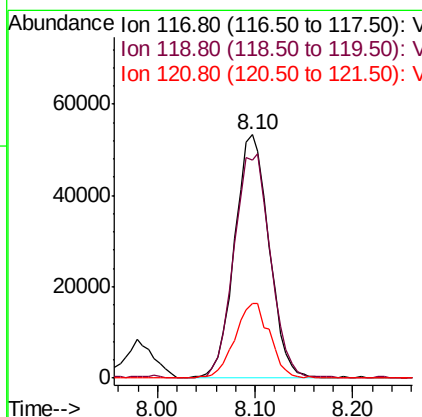
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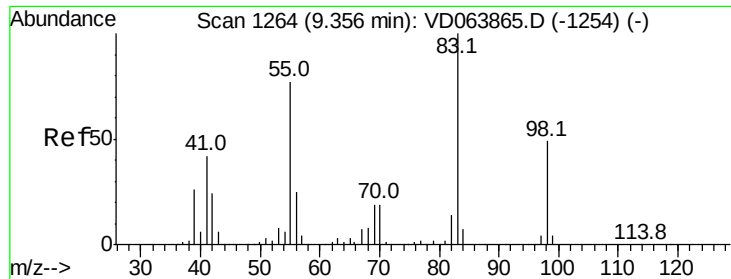
MMDadoda
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#38
Carbon Tetrachloride
Concen: 53.743 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.4	70.8	106.2
121	30.7	21.4	32.0





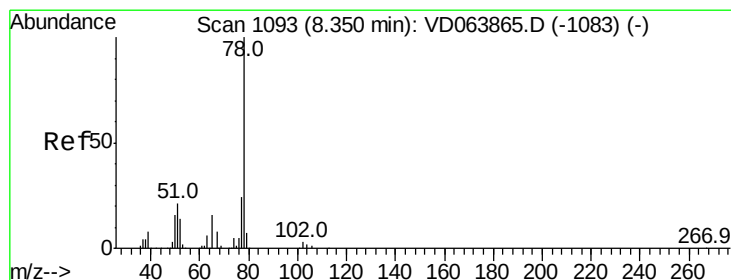
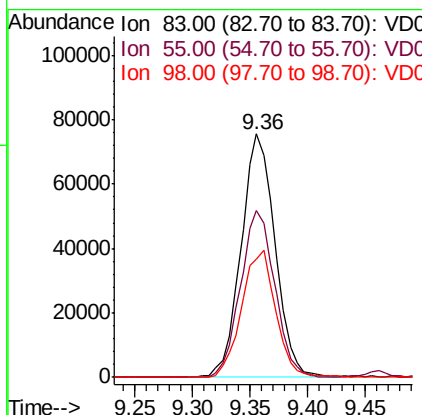
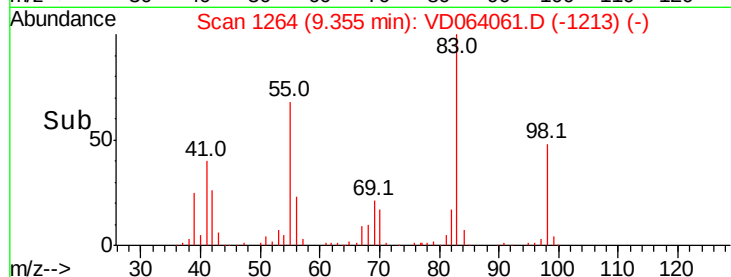
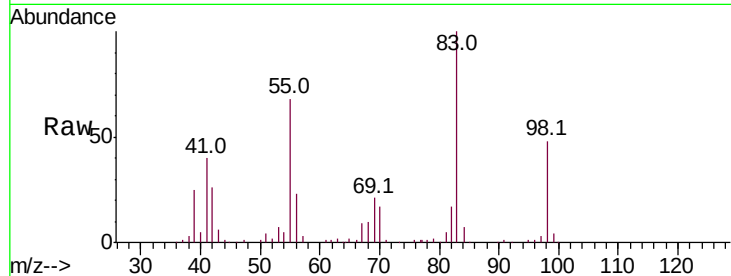
#39
Methylvlcyclohexane
Concen: 52.121 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.3	61.3	91.9
98	48.3	39.3	58.9

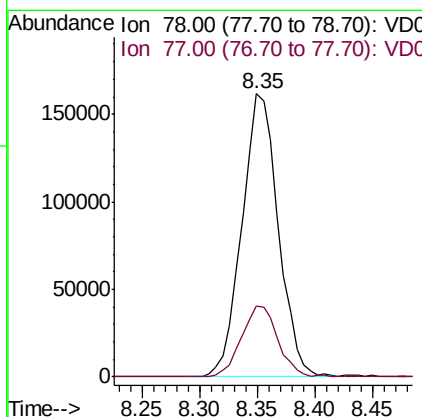
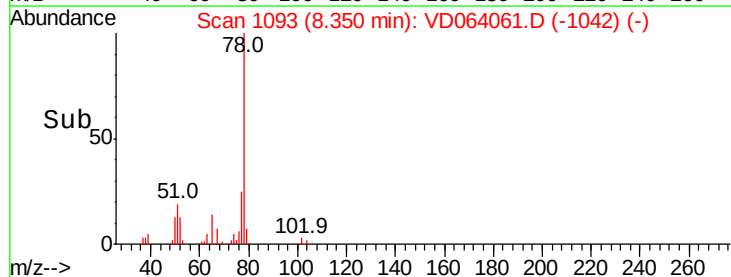
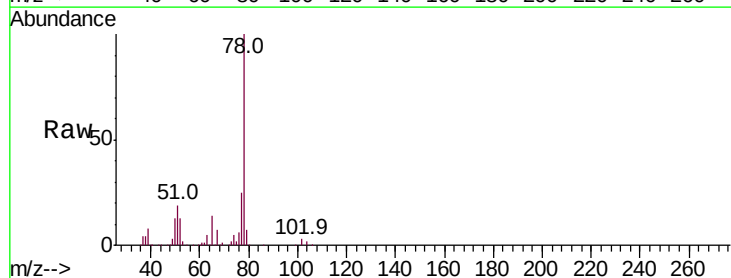
Manual Integrations
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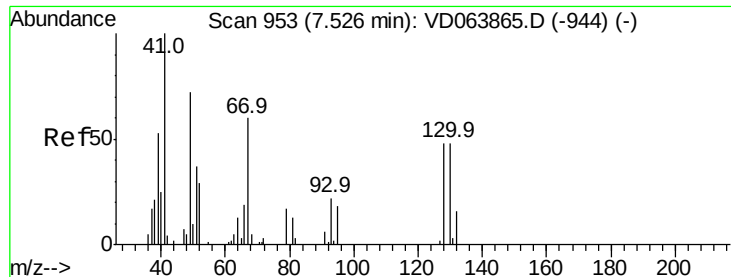
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#40
Benzene
Concen: 51.315 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.0	28.6





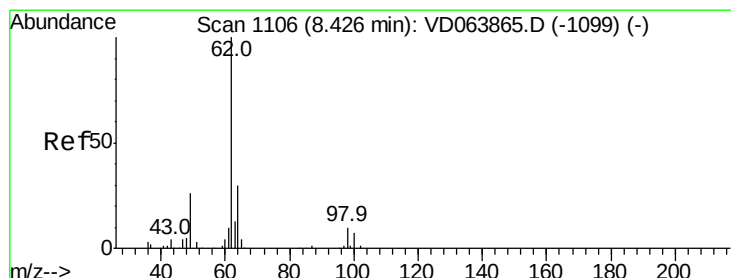
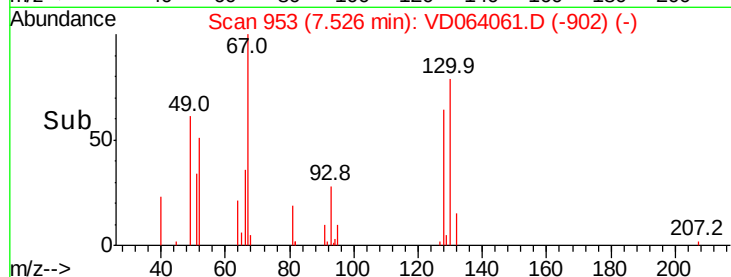
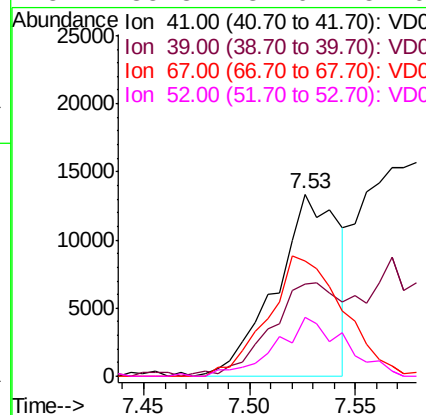
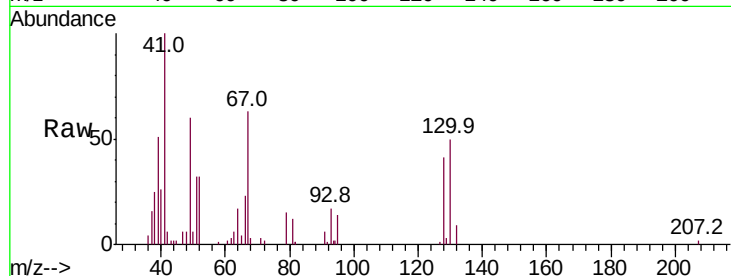
#41
Methacrylonitrile
Concen: 49.524 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.7	52.6	78.8
67	78.9	74.2	111.2
52	35.3	34.0	51.0

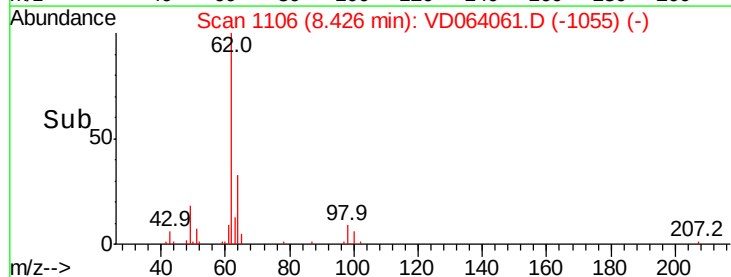
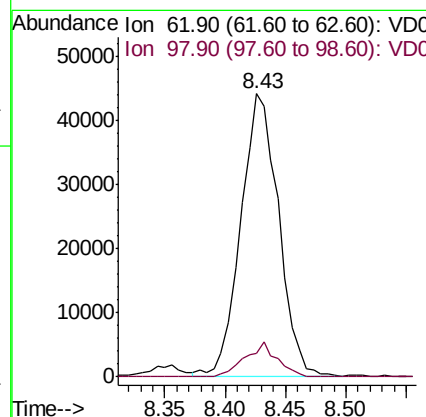
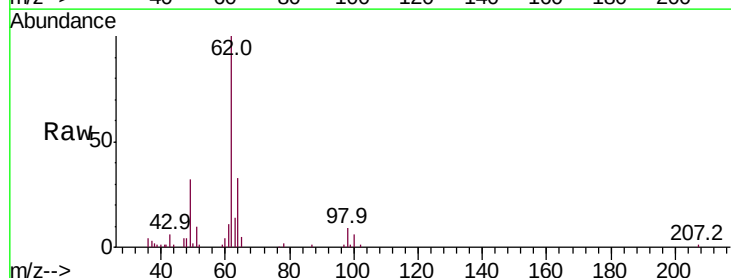
Manual Integrations
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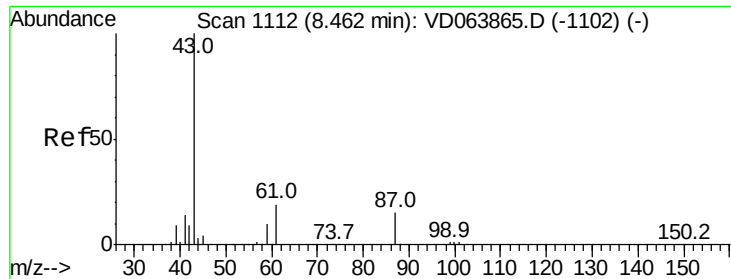
MMDadoda
10/28/2019 12:39:16 PM



#42
1,2-Dichloroethane
Concen: 48.332 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.0





#43

Isopropyl Acetate

Concen: 46.111 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

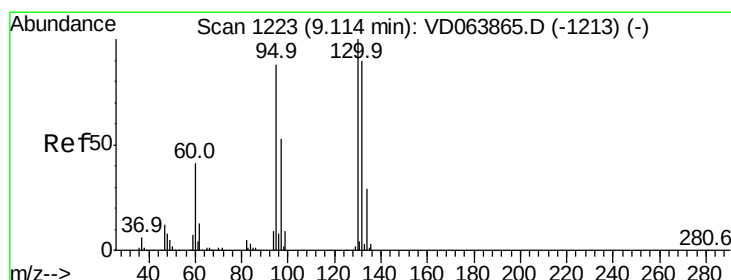
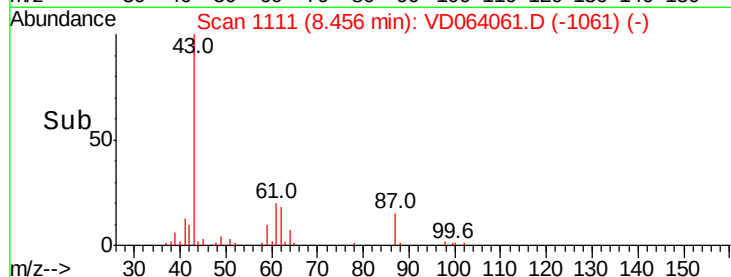
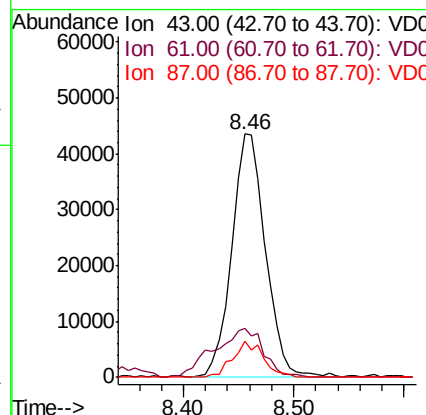
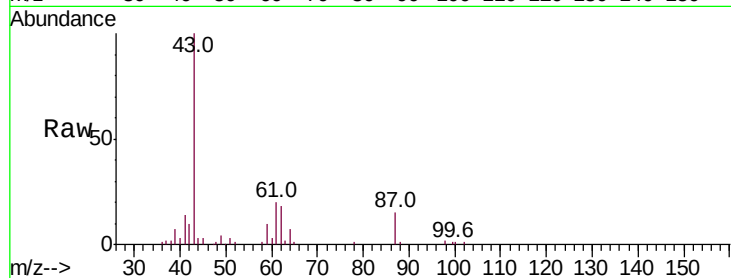
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	93416
Ion	Ratio	Lower	Upper
43	100		
61	29.4	25.7	38.5
87	13.4	11.6	17.4

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#44

Trichloroethene

Concen: 51.571 ug/l

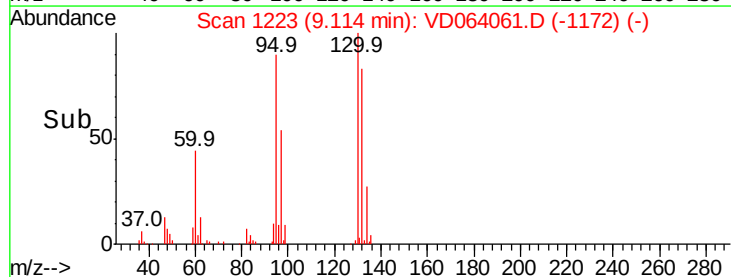
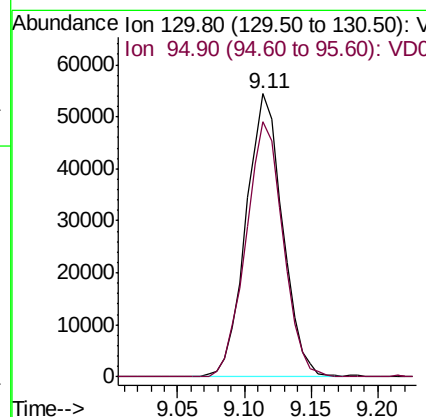
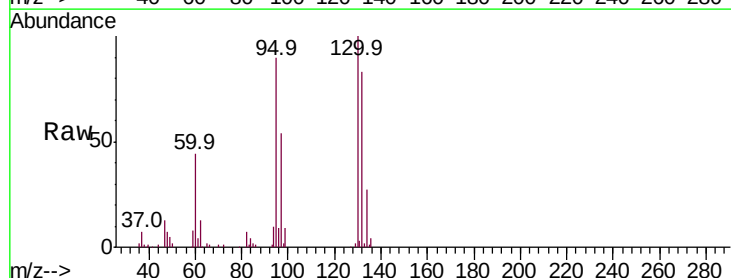
RT: 9.11 min Scan# 1223

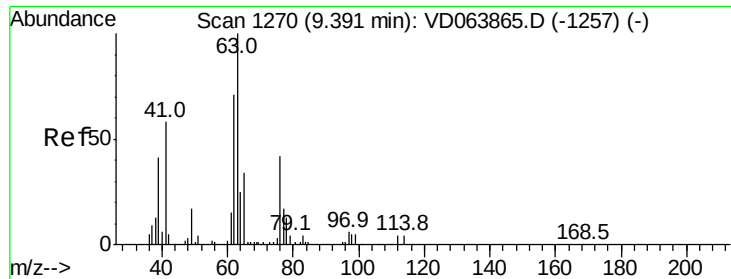
Delta R.T. -0.00 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Tgt Ion:	130	Resp:	102948
Ion	Ratio	Lower	Upper
130	100		
95	90.1	0.0	175.6





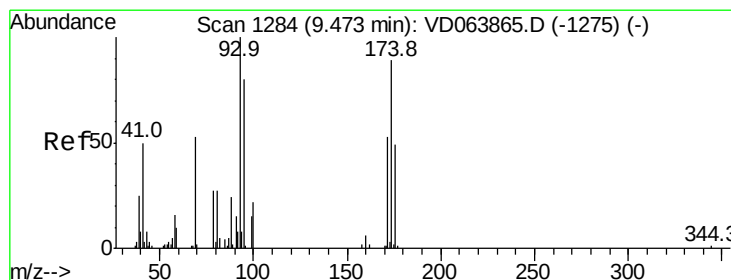
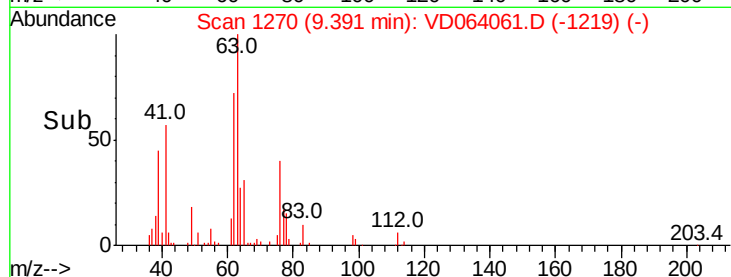
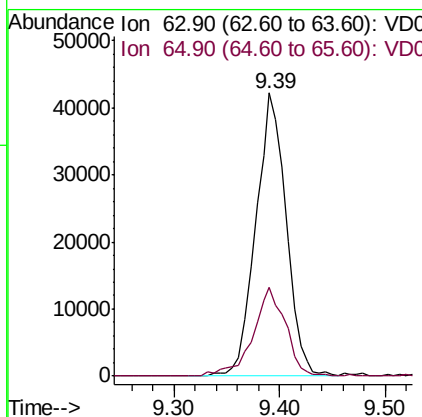
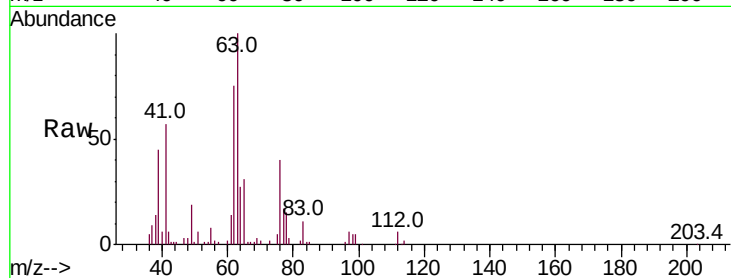
#45
 1,2-Dichloropropane
 Concen: 49.883 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064061.D
 Acq: 25 Oct 2019 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	63	Resp	84523
Ion Ratio	100	Lower	Upper
63	100		
65	31.5	27.3	40.9

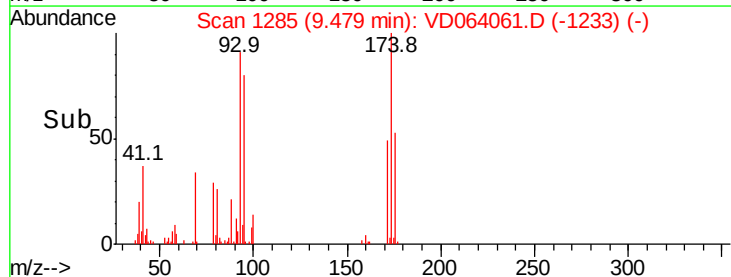
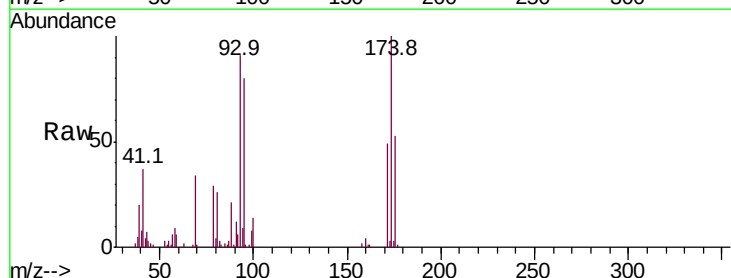
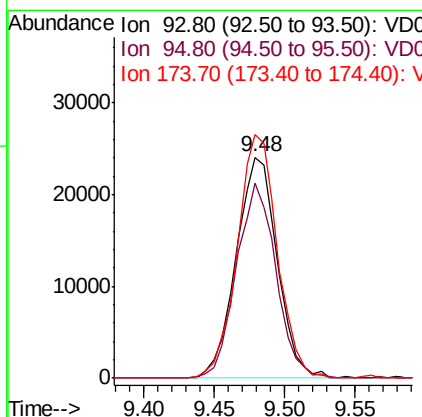
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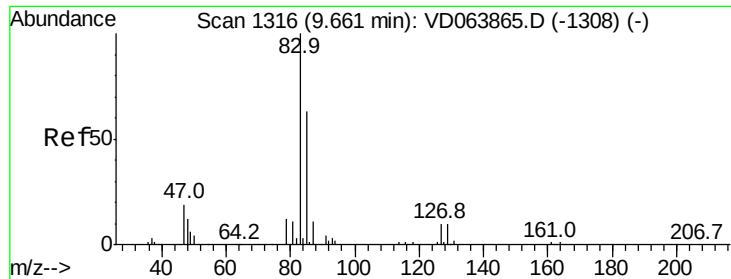
MMDadoda
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#46
 Dibromomethane
 Concen: 50.634 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD064061.D
 Acq: 25 Oct 2019 13:01

Tgt Ion	93	Resp	48862
Ion Ratio	100	Lower	Upper
93	100		
95	85.0	66.0	99.0
174	107.6	83.4	125.0





#47

Bromodichloromethane

Concen: 49.759 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

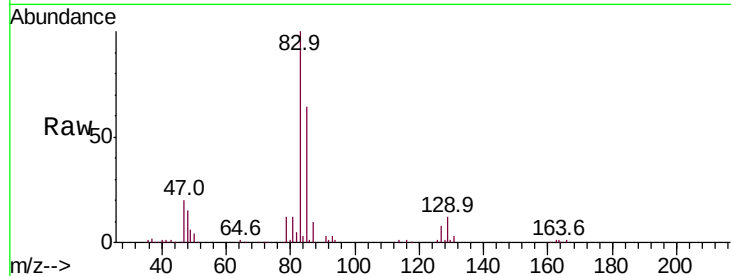
ClientSampleId :

VSTDCCC050

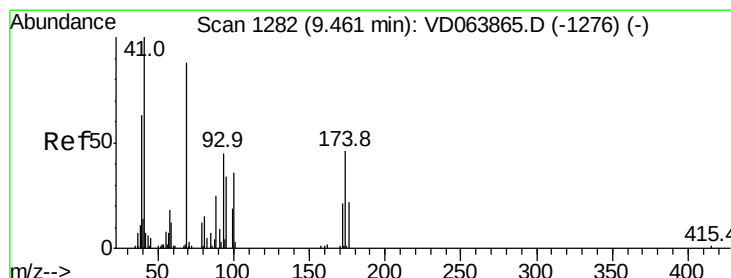
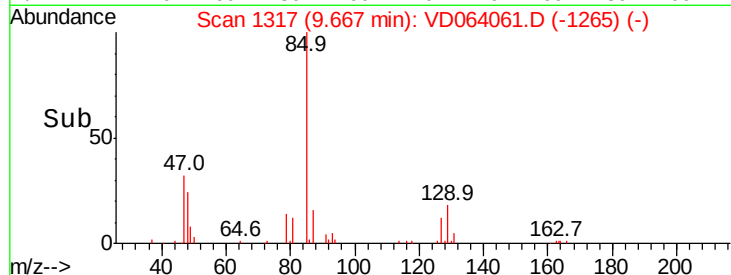
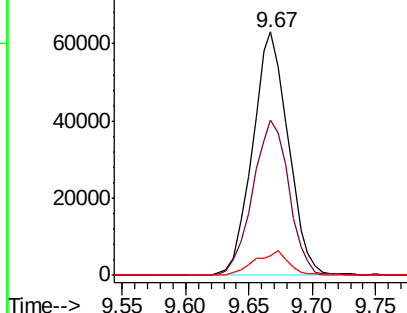
Tot Ion:	83	Resp:	123627
Ion Ratio	Lower	Upper	
83	100		
85	64.0	50.2	75.2
127	7.9	7.6	11.4

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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 42.889 ug/l

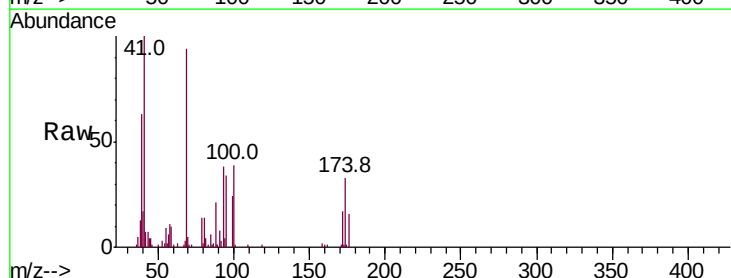
RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

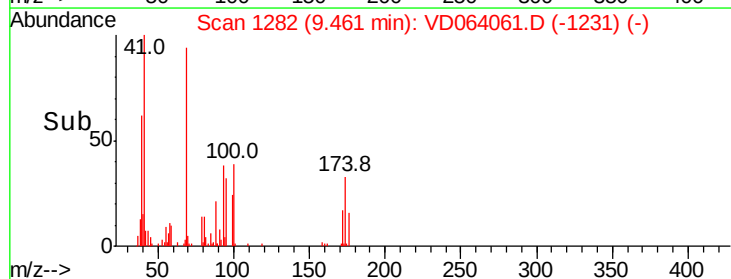
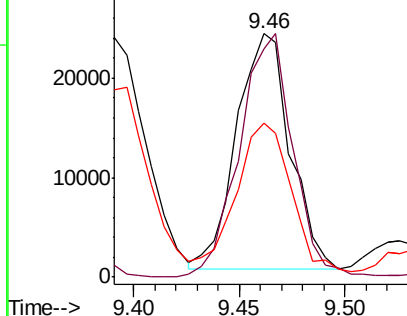
Lab File: VD064061.D

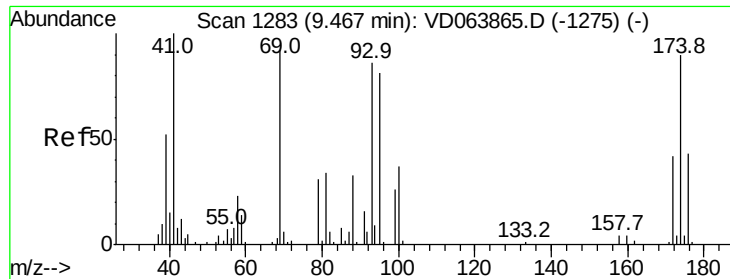
Acq: 25 Oct 2019 13:01

Tgt Ion:	41	Resp:	41631
Ion Ratio	Lower	Upper	
41	100		
69	103.8	75.1	112.7
39	70.5	50.2	75.2



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





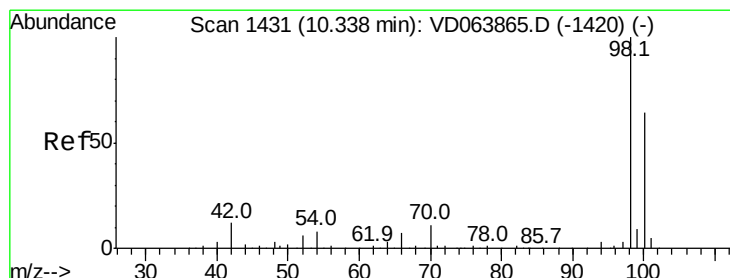
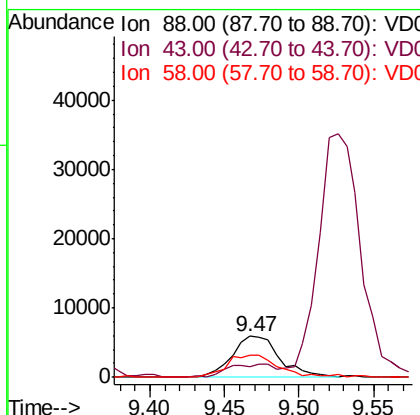
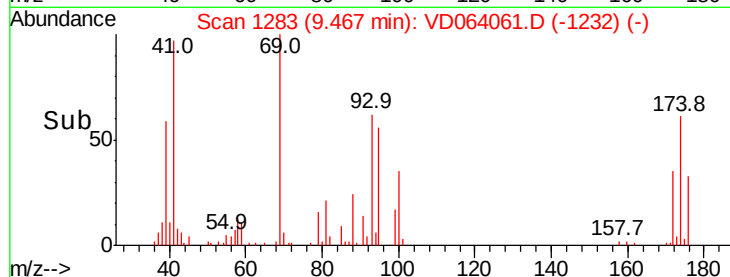
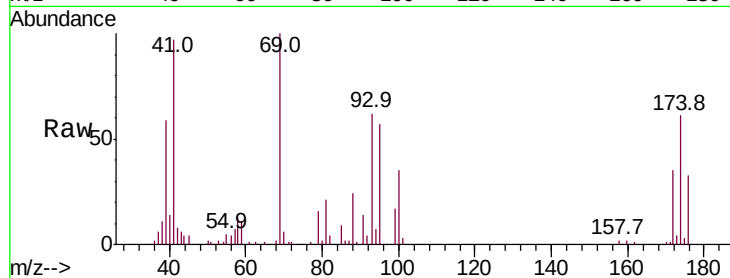
#49
1,4-Dioxane
Concen: 1000.134 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.4	27.6	41.4
58	60.6	54.1	81.1

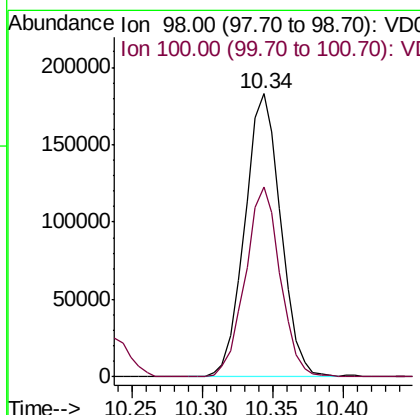
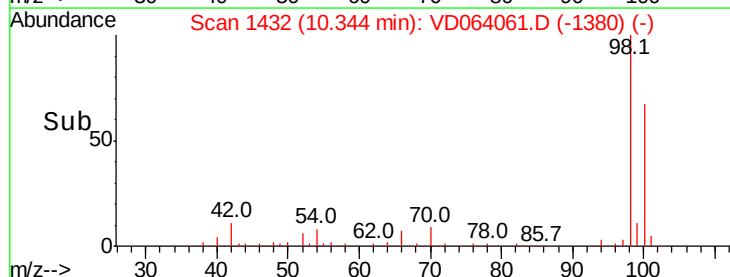
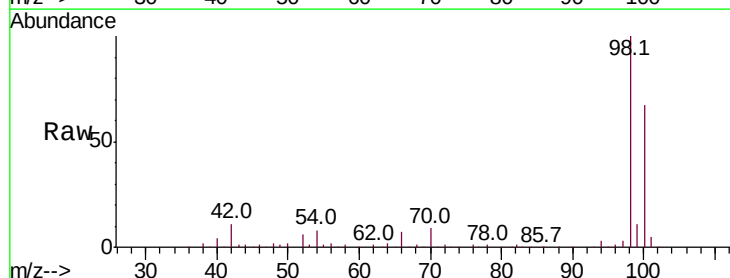
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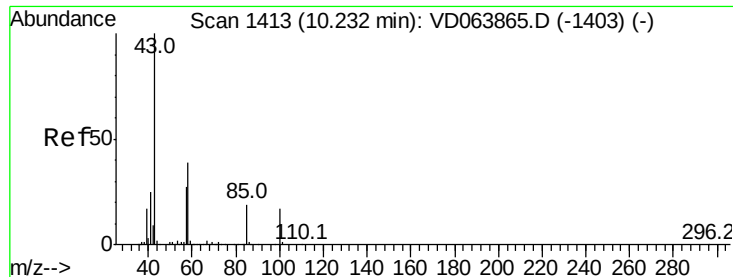
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#50
Toluene-d8
Concen: 49.938 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.1	78.1





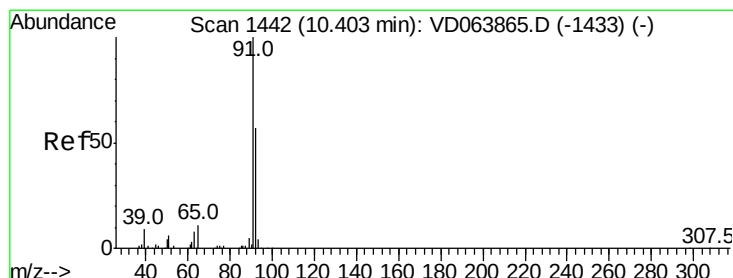
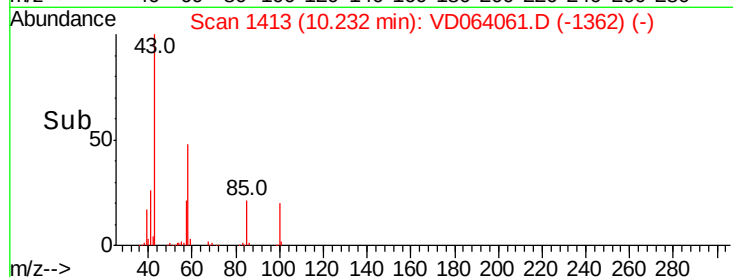
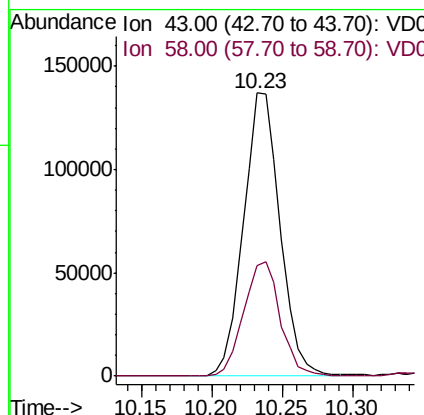
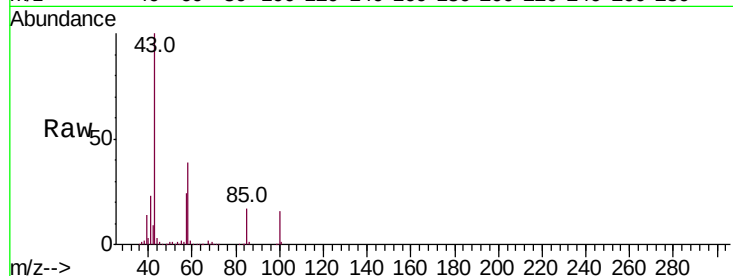
#51
4-Methyl-2-Pentanone
Concen: 237.260 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.5	33.0	49.4

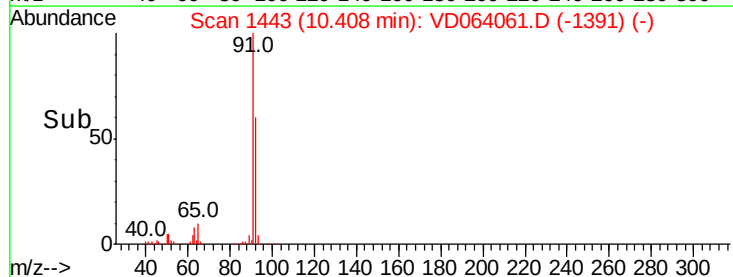
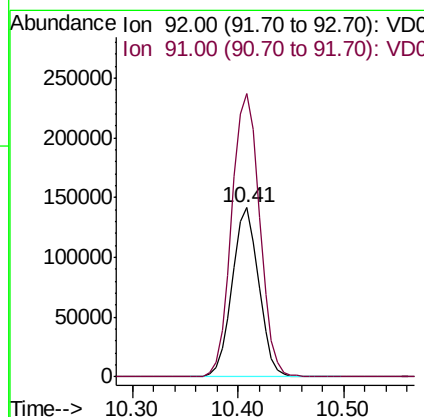
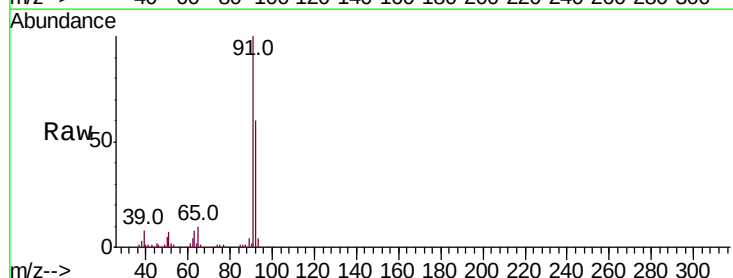
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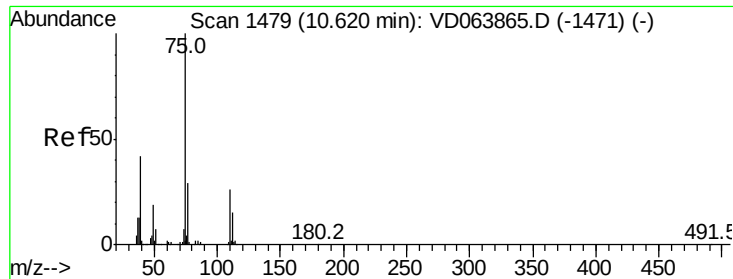
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#52
Toluene
Concen: 51.961 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.4	139.5	209.3





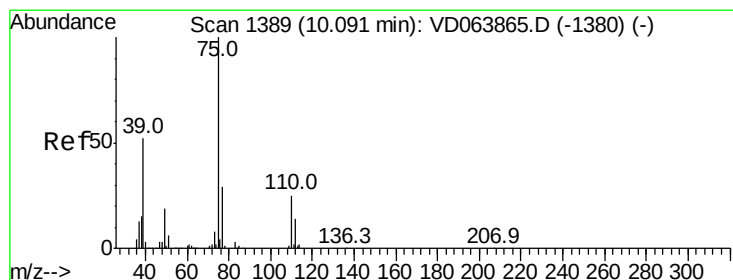
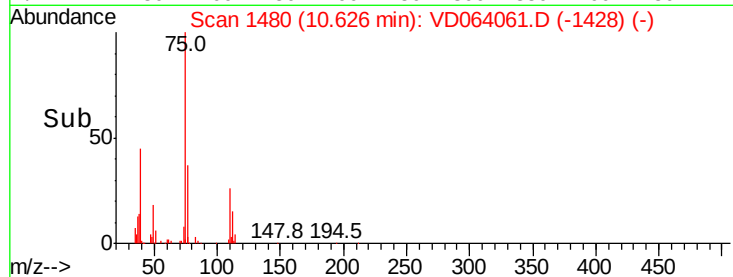
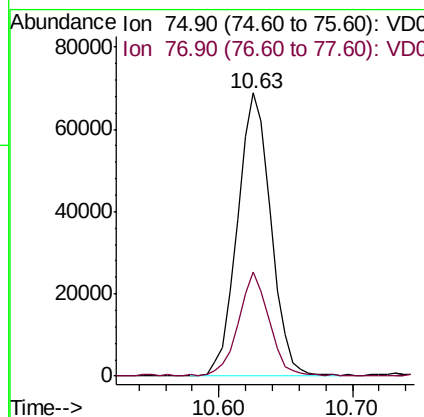
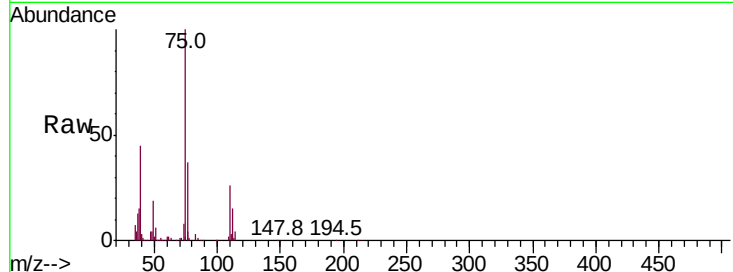
#53
t-1,3-Dichloropropene
Concen: 49.036 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 118884
Ion Ratio Lower Upper
75 100
77 36.6 22.8 34.2#

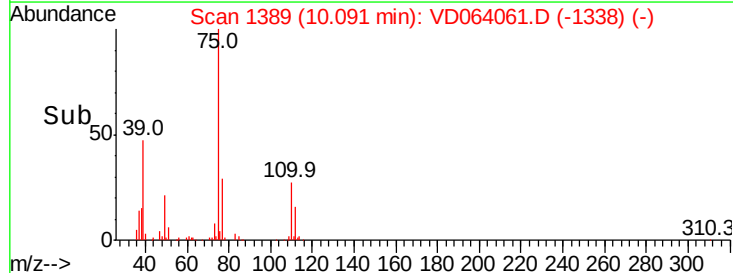
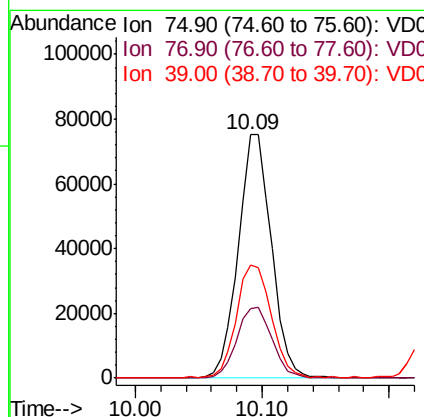
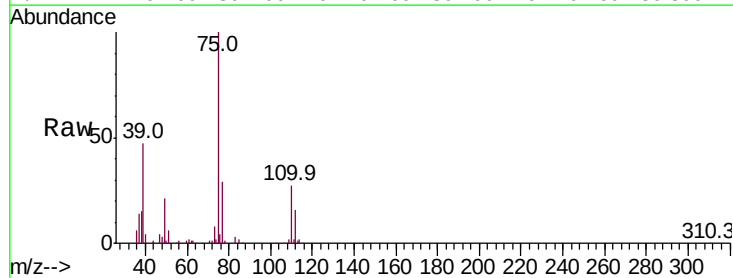
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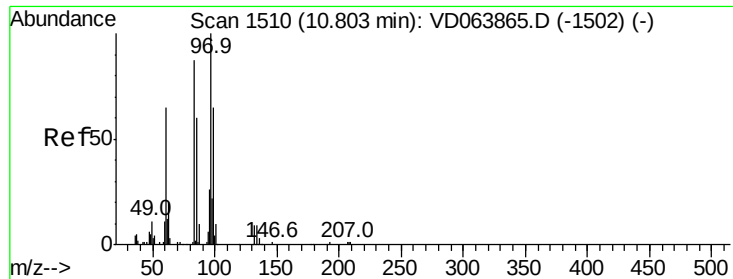
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#54
cis-1,3-Dichloropropene
Concen: 48.940 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion: 75 Resp: 136580
Ion Ratio Lower Upper
75 100
77 28.6 23.2 34.8
39 46.1 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 52.768 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

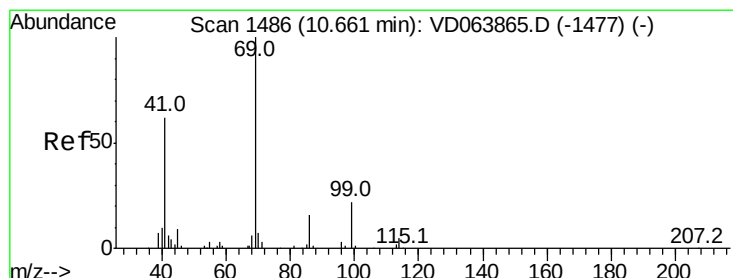
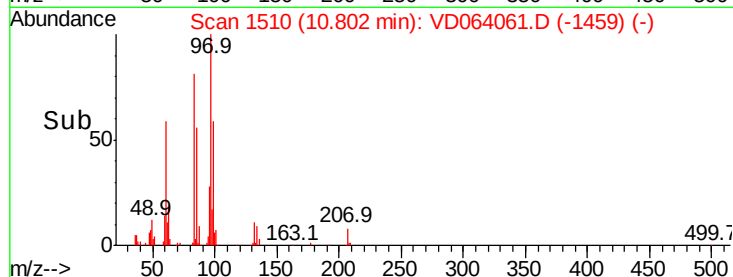
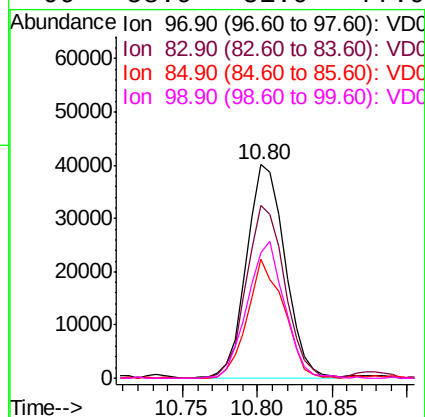
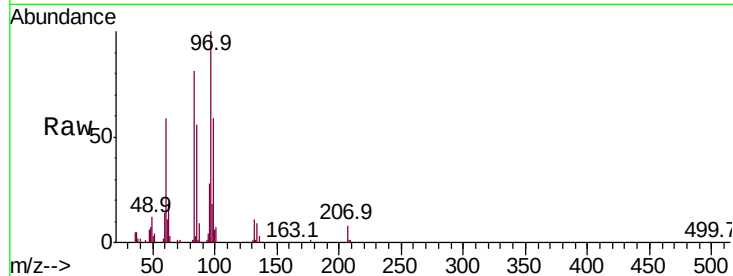
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	71899
Ion	Ratio	Lower	Upper
97	100		
83	80.9	69.7	104.5
85	55.5	48.1	72.1
99	58.9	51.9	77.9

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#56

Ethyl methacrylate

Concen: 48.906 ug/l

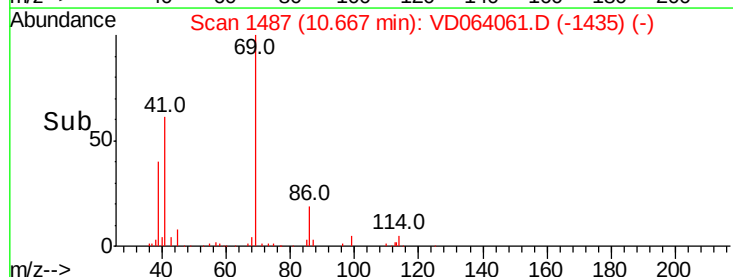
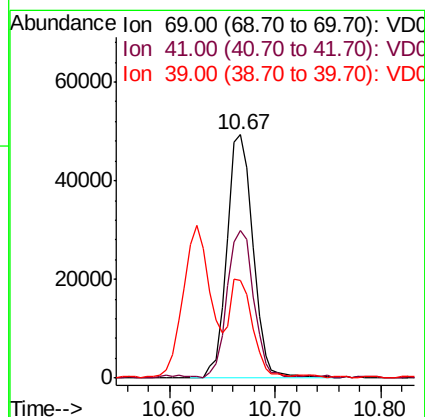
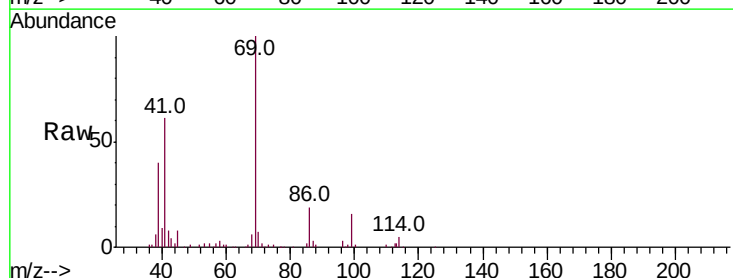
RT: 10.67 min Scan# 1487

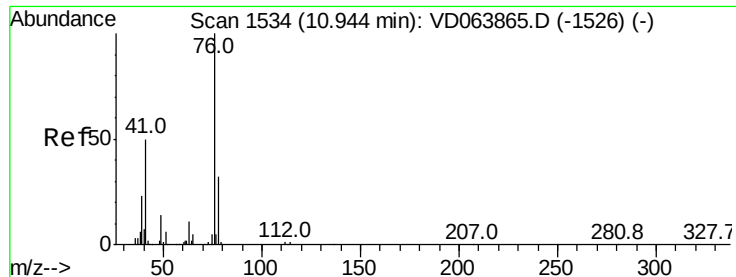
Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Tgt Ion:	69	Resp:	84385
Ion	Ratio	Lower	Upper
69	100		
41	60.3	51.3	76.9
39	35.0	28.0	42.0





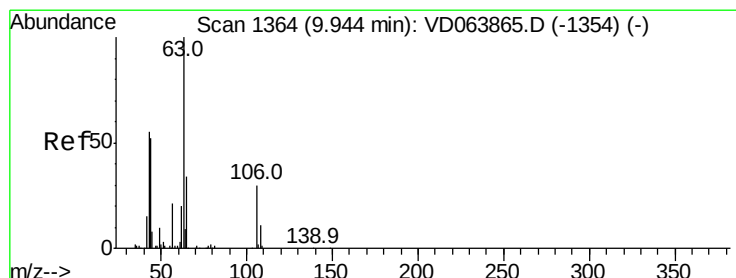
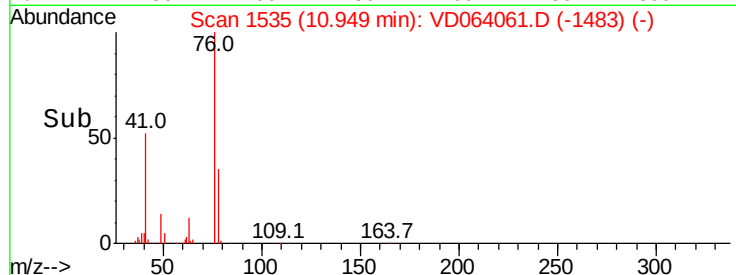
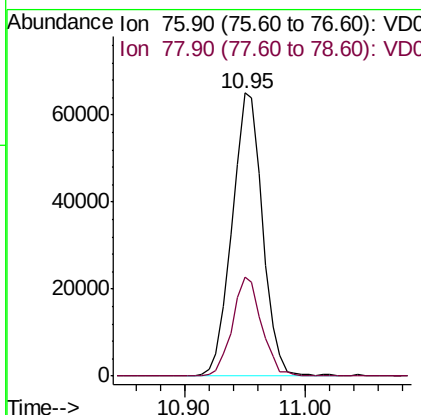
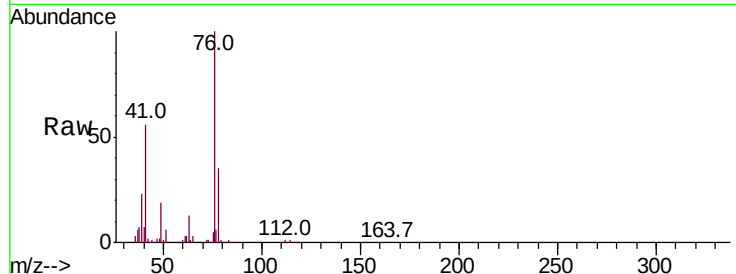
#57
 1,3-Dichloropropane
 Concen: 49.222 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD064061.D
 Acq: 25 Oct 2019 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.3	26.6	40.0

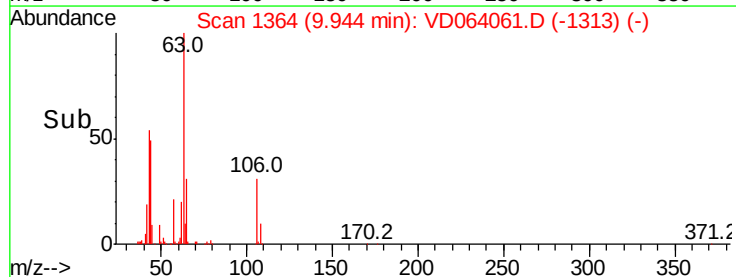
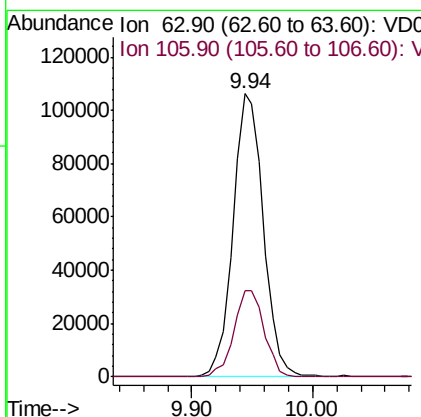
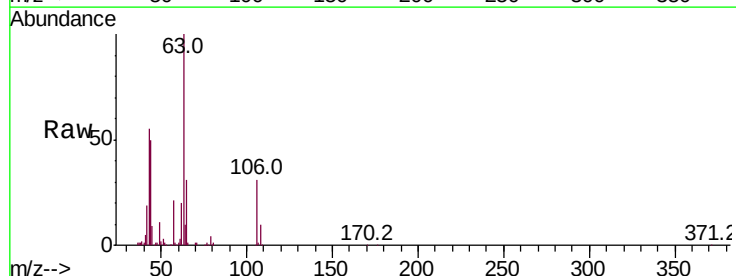
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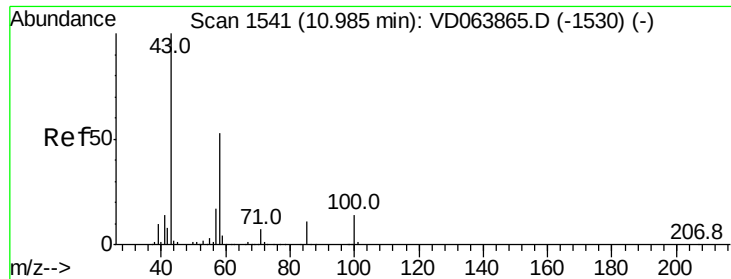
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#58
 2-Chloroethyl Vinyl ether
 Concen: 250.845 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064061.D
 Acq: 25 Oct 2019 13:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.7	24.3	36.5





#59

2-Hexanone

Concen: 248.708 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 189025

Ion Ratio Lower Upper

43 100

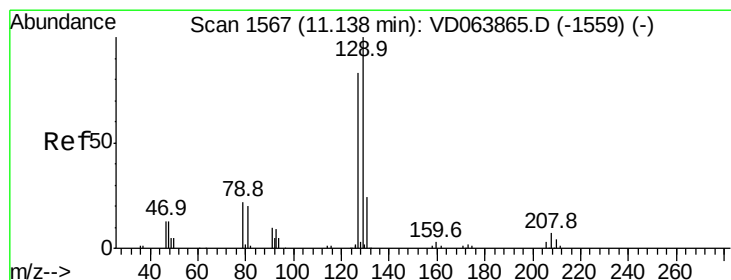
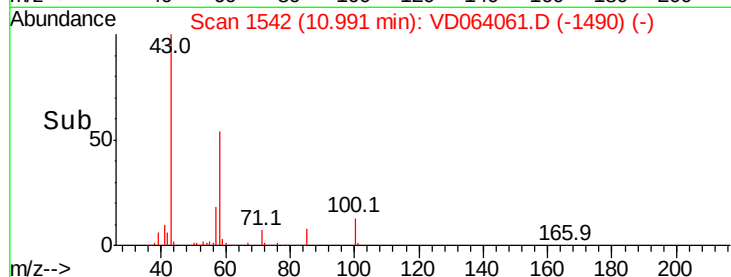
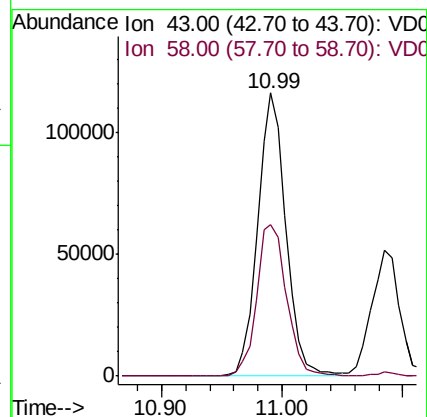
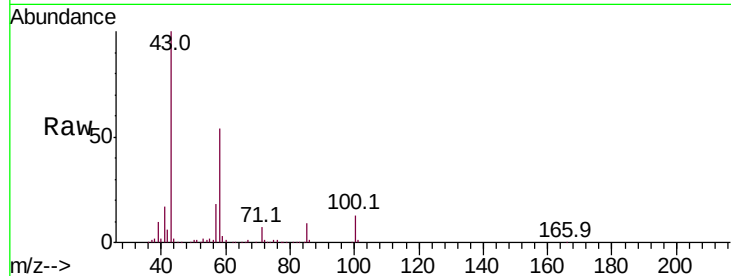
58 56.9 27.7 83.0

Manual Integrations

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#60

Dibromochloromethane

Concen: 52.004 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VD064061.D

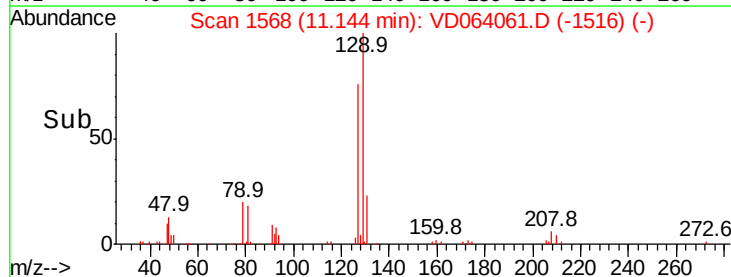
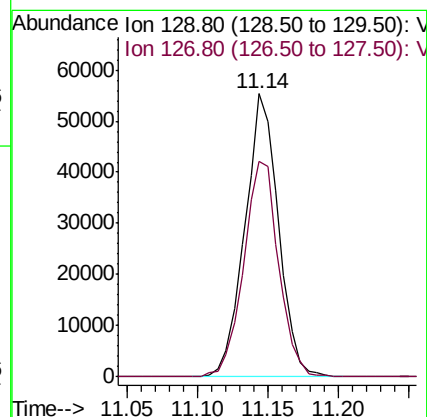
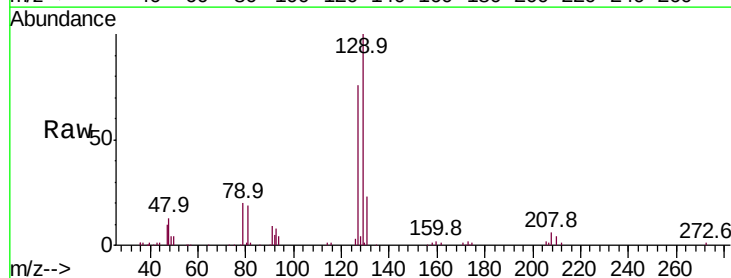
Acq: 25 Oct 2019 13:01

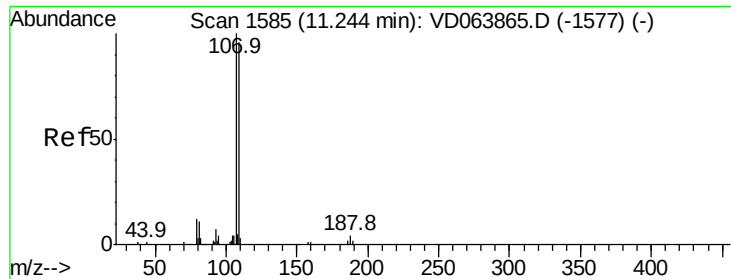
Tgt Ion: 129 Resp: 92249

Ion Ratio Lower Upper

129 100

127 79.3 39.9 119.6





#61

1,2-Dibromoethane

Concen: 52.000 ug/l

RT: 11.26 min Scan# 1587

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 68688

Ion Ratio Lower Upper

107 100

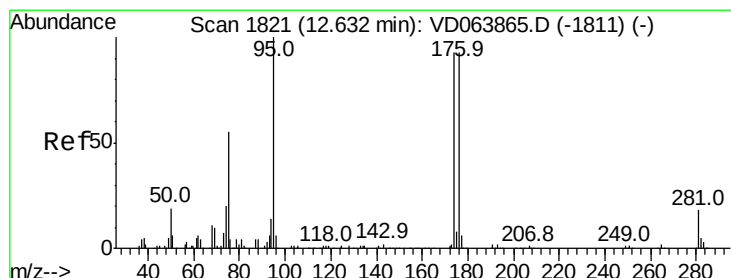
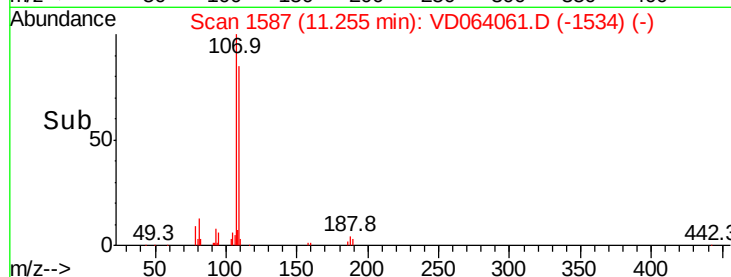
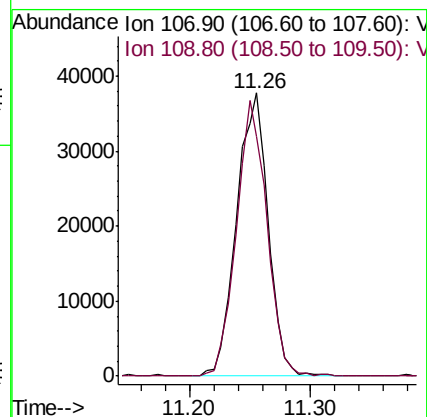
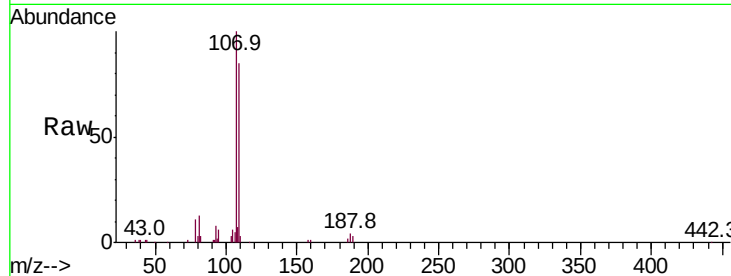
109 94.1 75.2 112.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 47.628 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

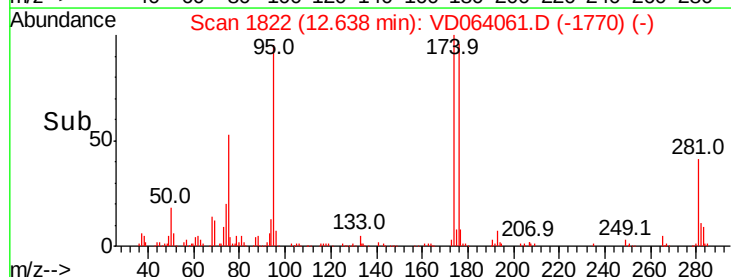
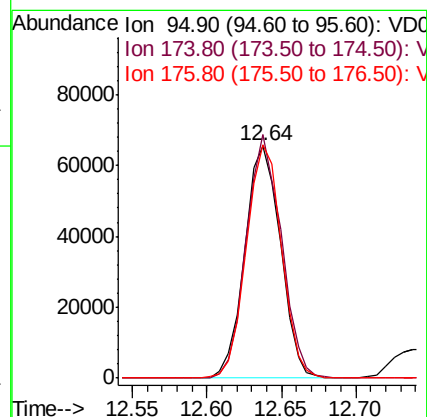
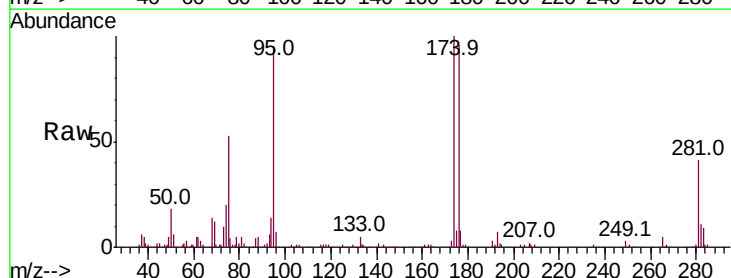
Tgt Ion: 95 Resp: 108466

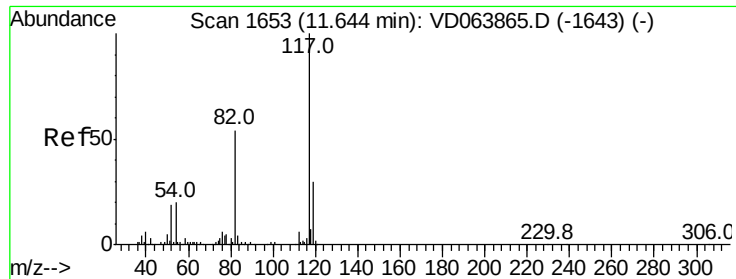
Ion Ratio Lower Upper

95 100

174 103.2 0.0 186.4

176 98.9 0.0 184.2





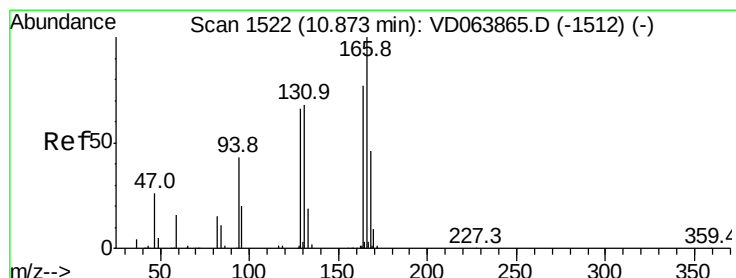
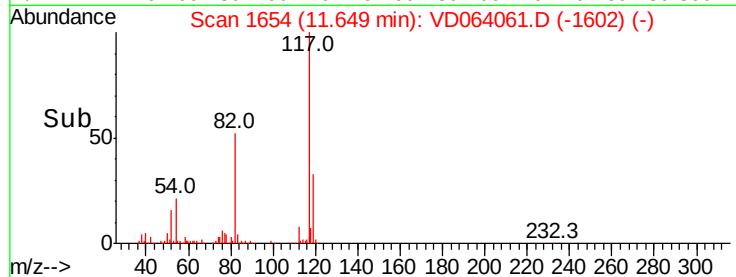
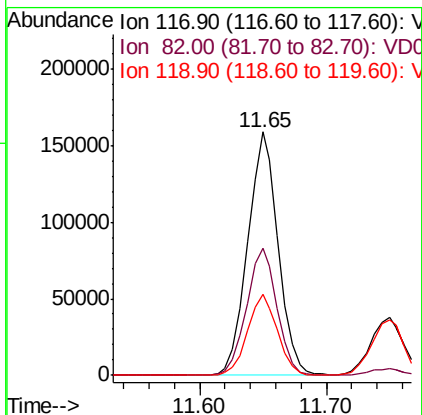
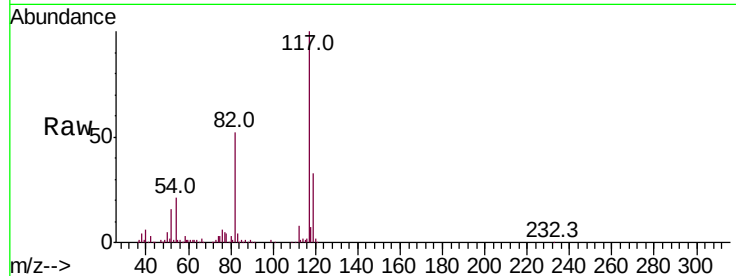
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	265666		
82	52.2		42.8	64.2
119	33.4		24.4	36.6

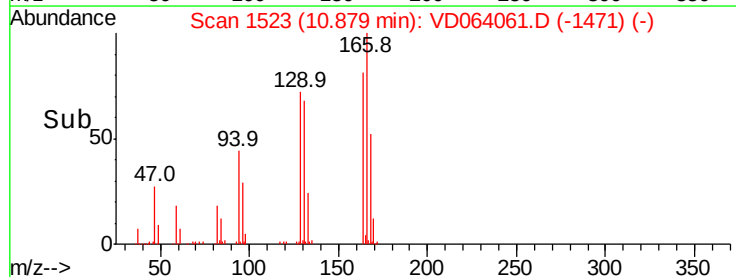
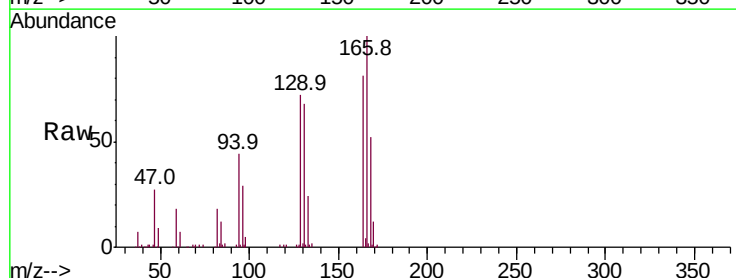
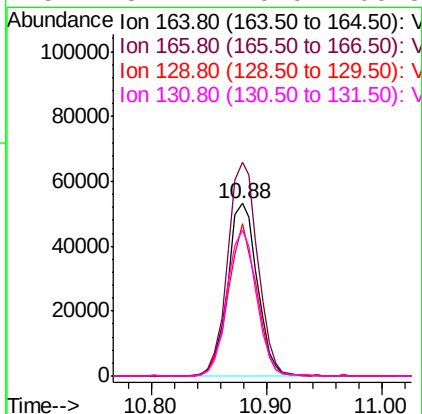
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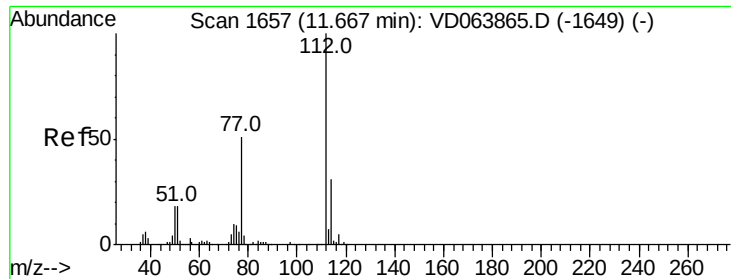
MMDadoda
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#64
Tetrachloroethene
Concen: 52.178 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	94633		
166	123.7		103.8	155.6
129	88.6		68.9	103.3
131	84.2		70.9	106.3





#65

Chlorobenzene

Concen: 52.298 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 279026

Ion Ratio Lower Upper

112 100

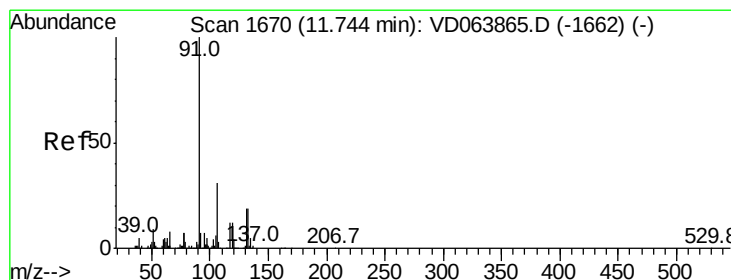
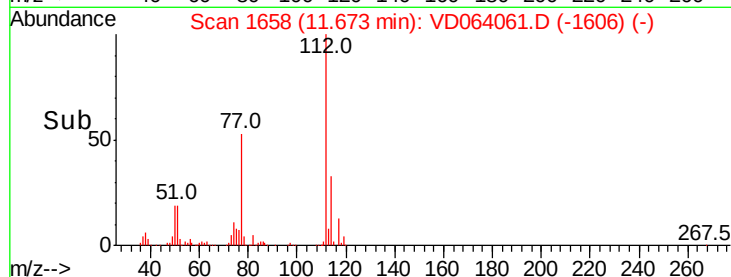
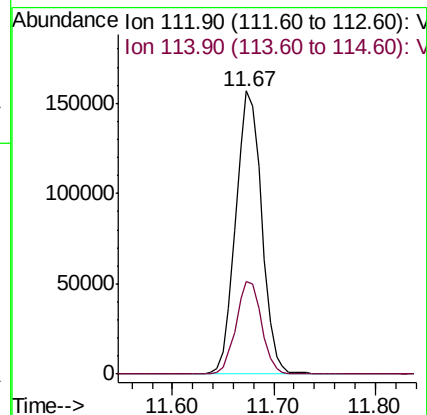
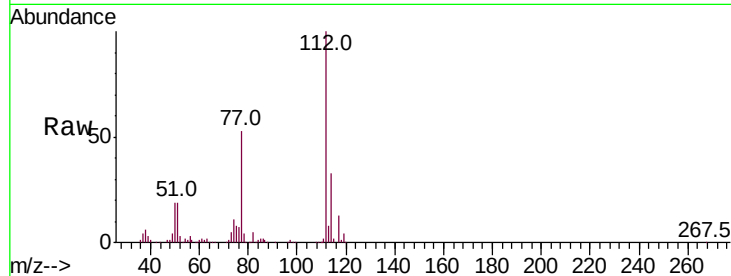
114 32.5 25.1 37.7

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 52.207 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

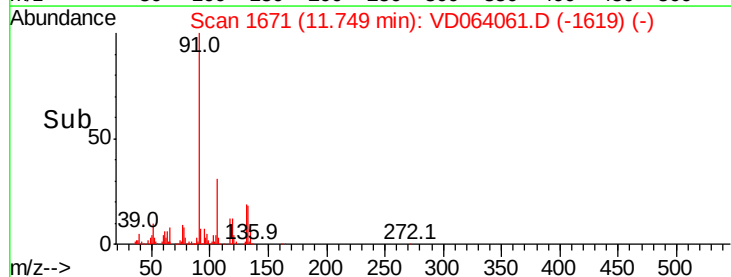
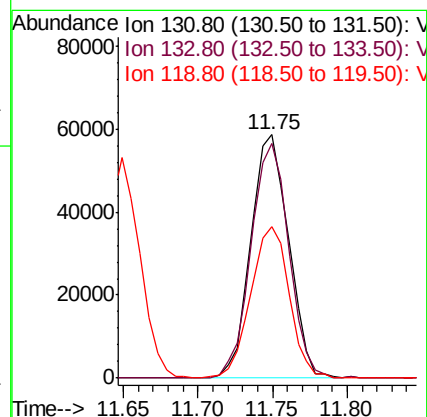
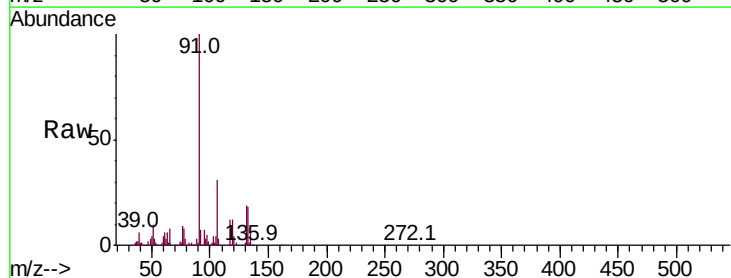
Tgt Ion:131 Resp: 102635

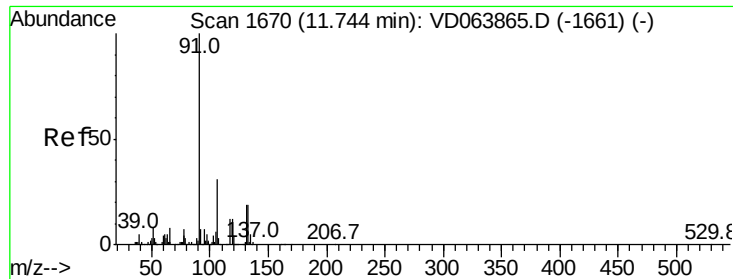
Ion Ratio Lower Upper

131 100

133 96.4 48.9 146.7

119 63.5 32.6 97.8





#67

Ethyl Benzene

Concen: 52.490 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 504987

Ion Ratio Lower Upper

91 100

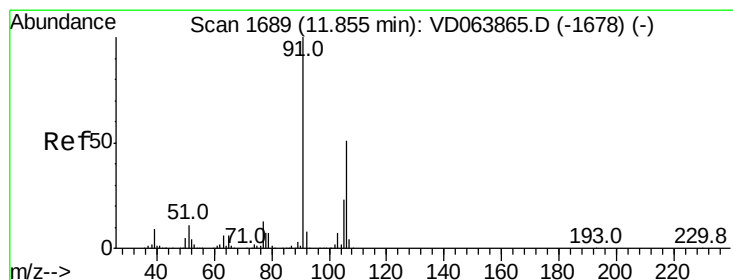
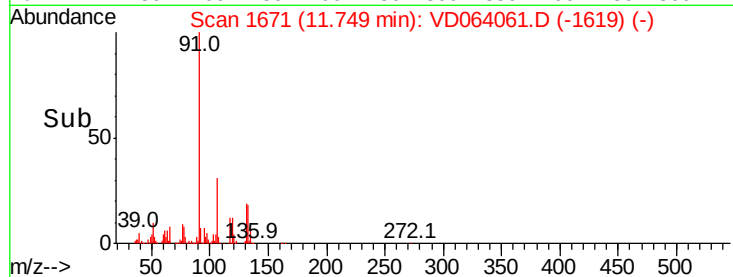
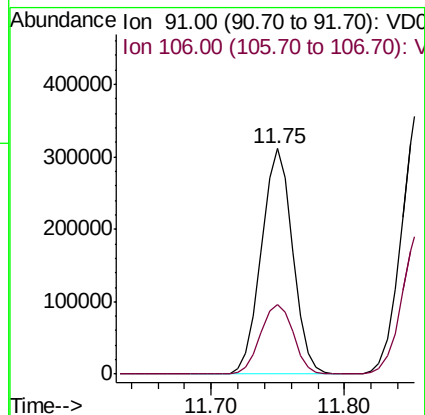
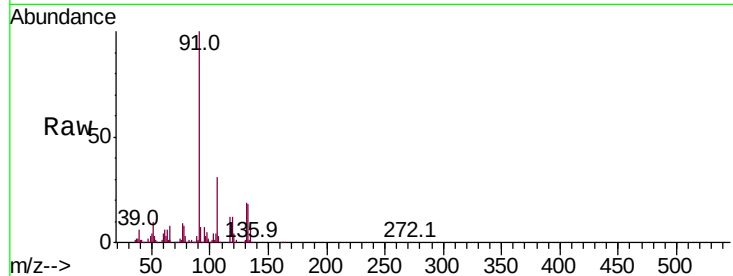
106 30.6 24.6 37.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 107.167 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064061.D

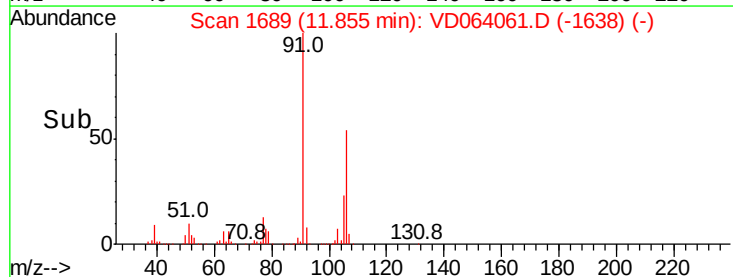
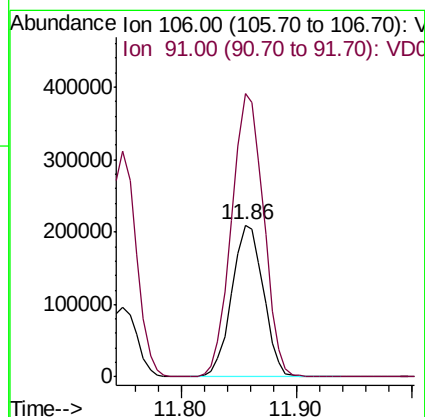
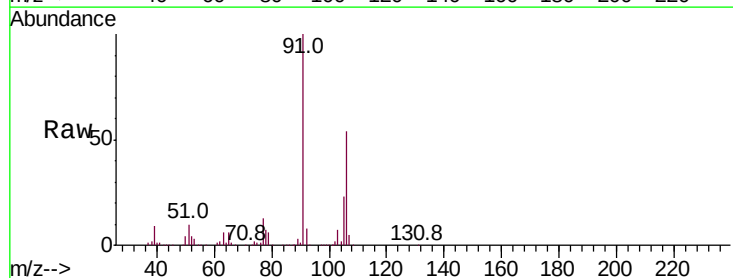
Acq: 25 Oct 2019 13:01

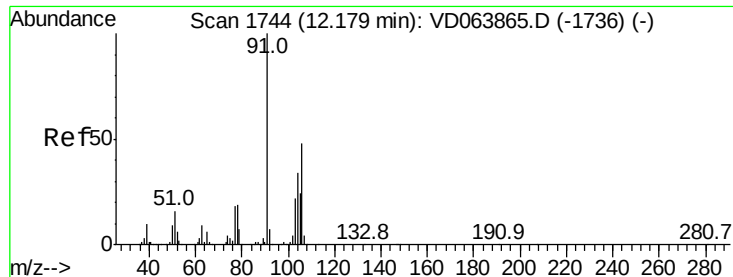
Tgt Ion: 106 Resp: 397946

Ion Ratio Lower Upper

106 100

91 189.3 154.8 232.2





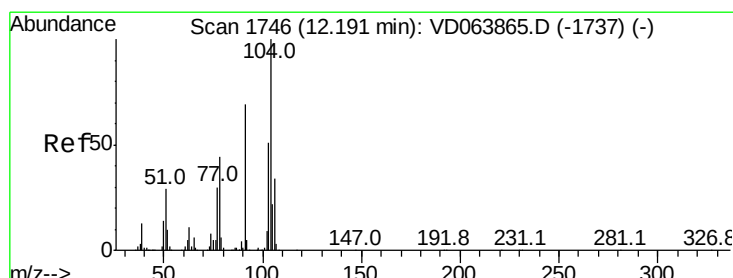
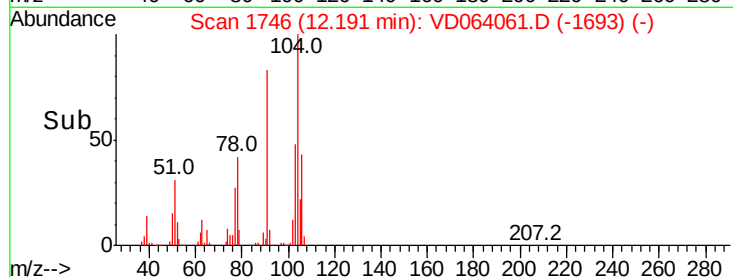
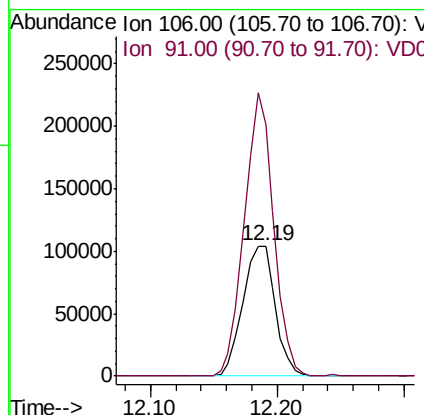
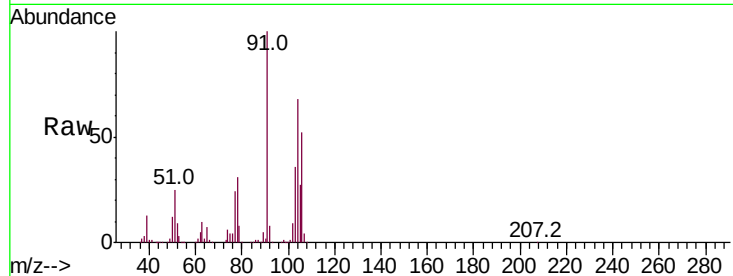
#69
o-Xylene
Concen: 52.220 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	196.4	103.9	311.7

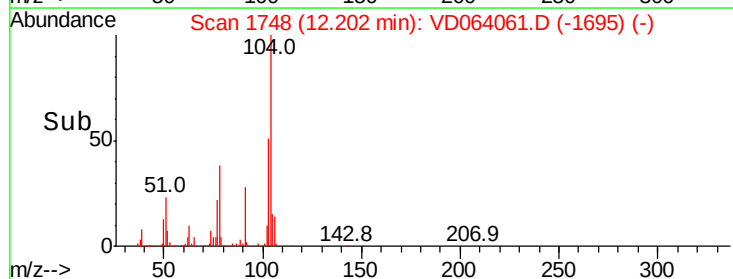
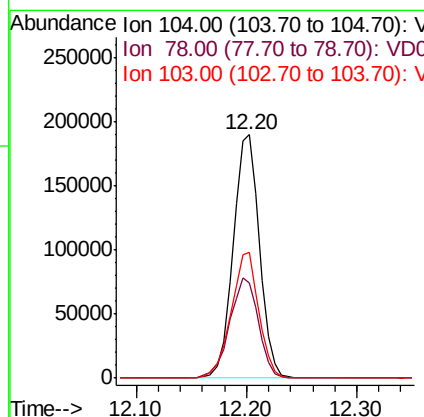
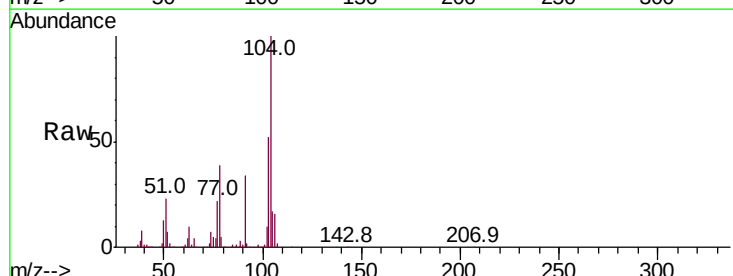
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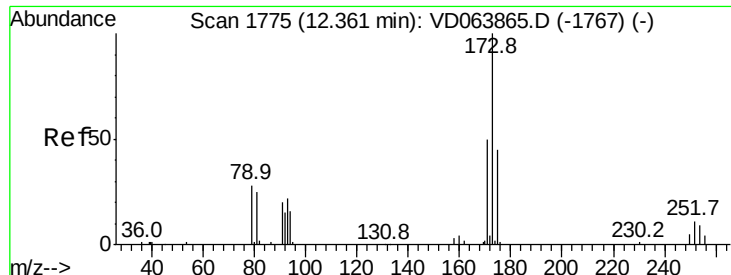
MMDadoda
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#70
Styrene
Concen: 52.614 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion	Ratio	Lower	Upper
104	100		
78	44.9	37.0	55.4
103	54.3	44.2	66.4





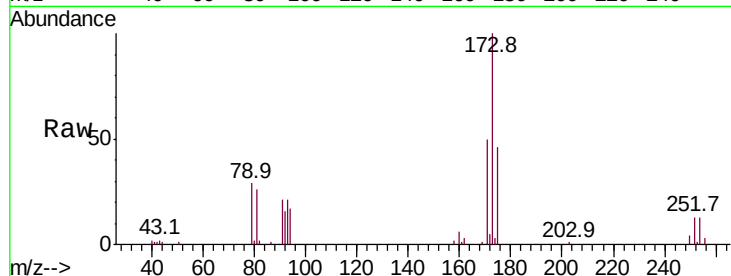
#71
Bromoform
Concen: 54.490 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.4	24.6	74.0
254	0.0	0.0	0.0

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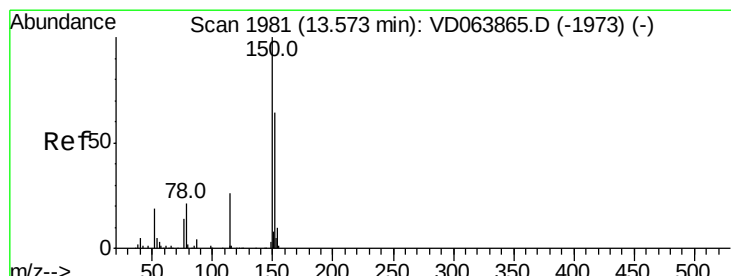
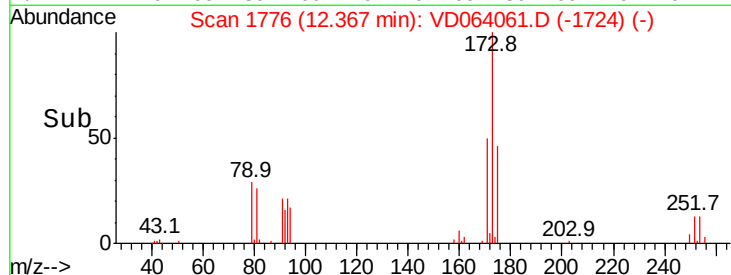
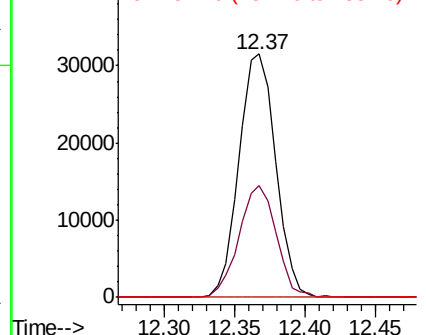


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

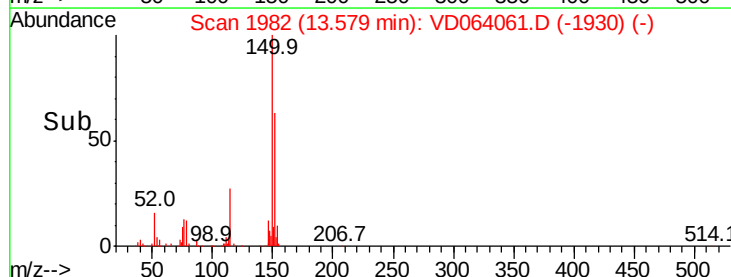
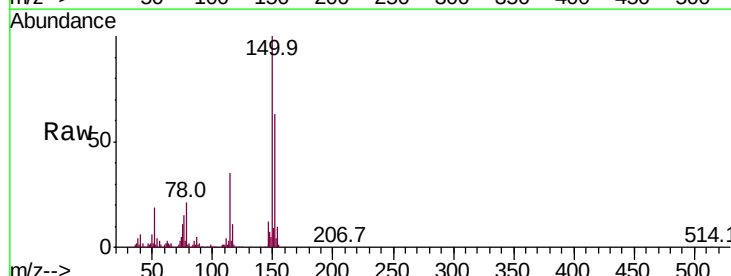
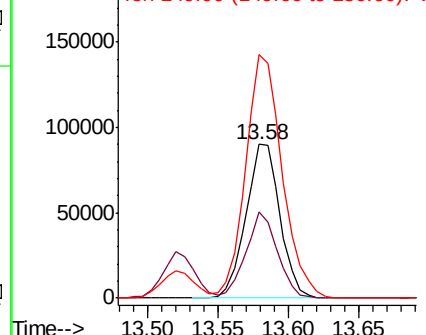
Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.7	25.9	77.7
150	170.5	0.0	344.2

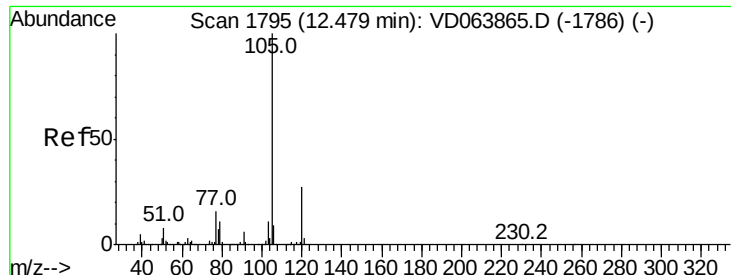
Abundance

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: 49.577 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 505682

Ion Ratio Lower Upper

105 100

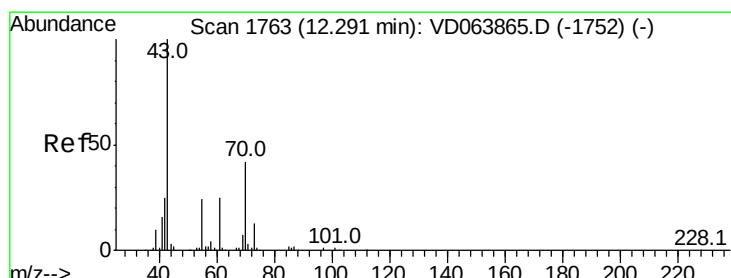
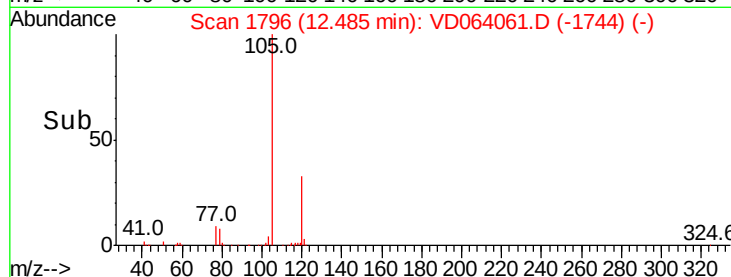
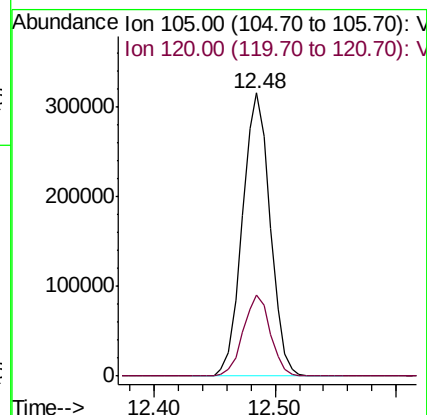
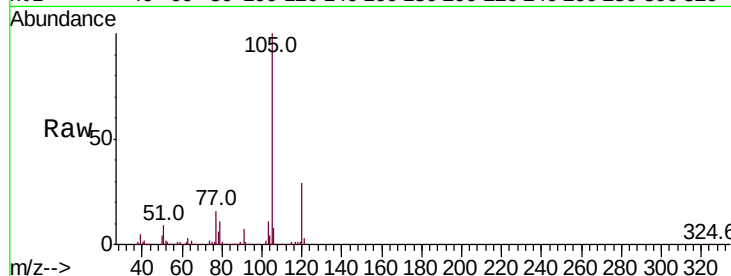
120 28.1 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 40.960 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Tgt Ion: 43 Resp: 89950

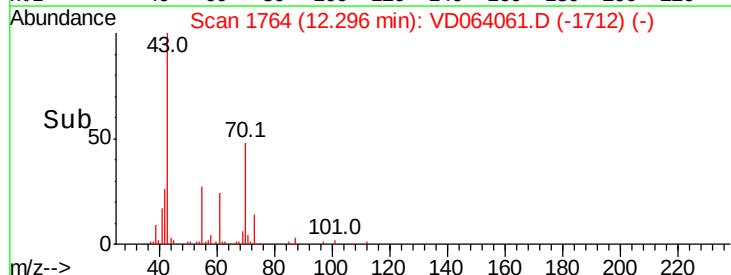
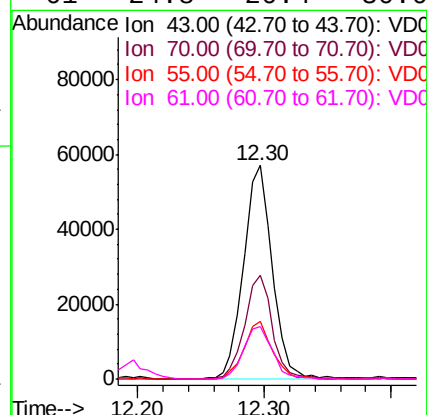
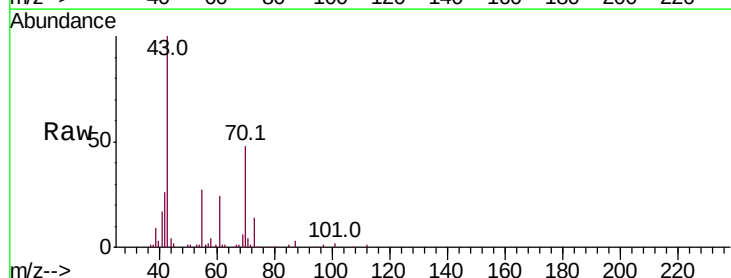
Ion Ratio Lower Upper

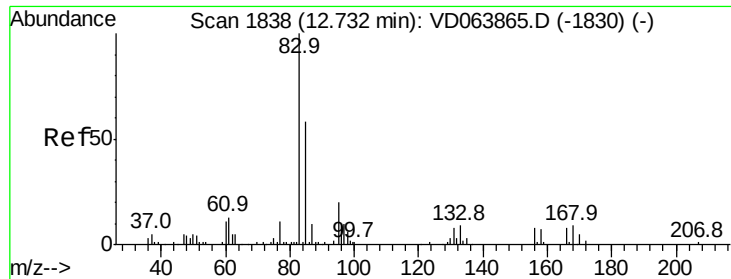
43 100

70 46.7 35.8 53.6

55 26.6 19.4 29.0

61 24.8 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.038 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

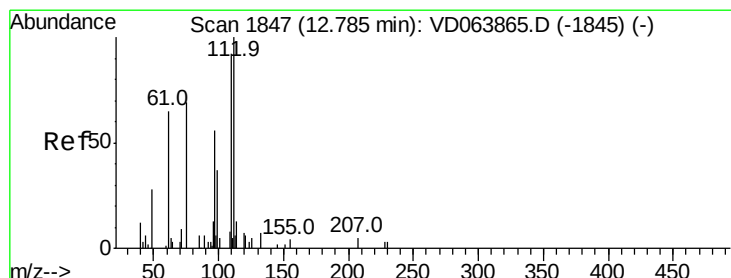
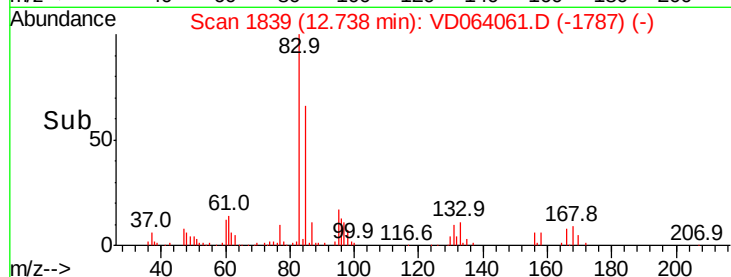
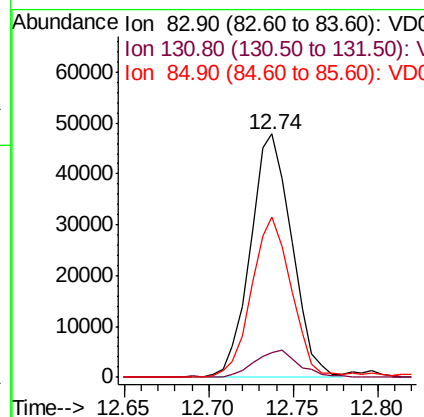
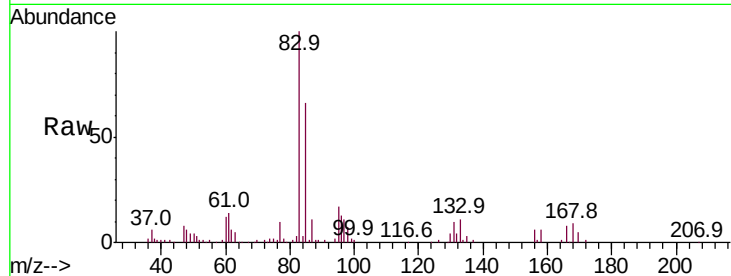
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	81713
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.6	16.8
85	63.5	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.129 ug/l m

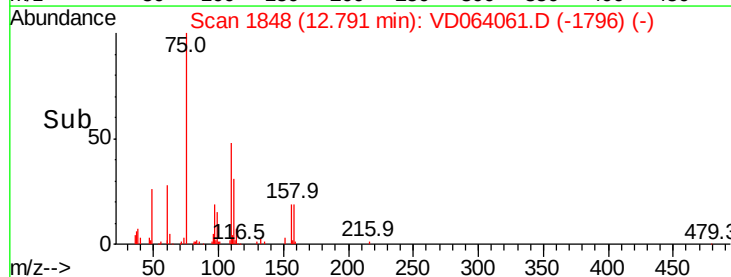
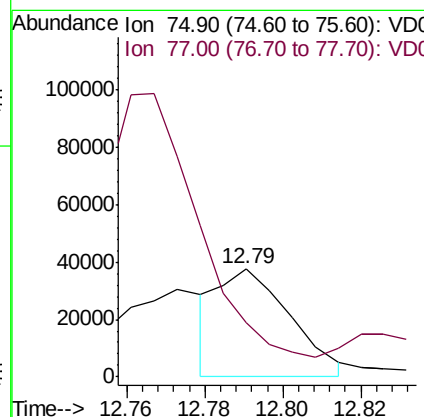
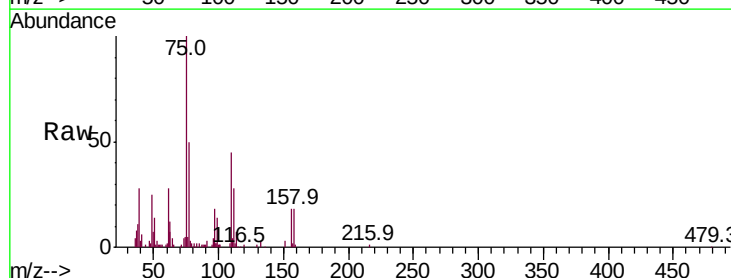
RT: 12.79 min Scan# 1848

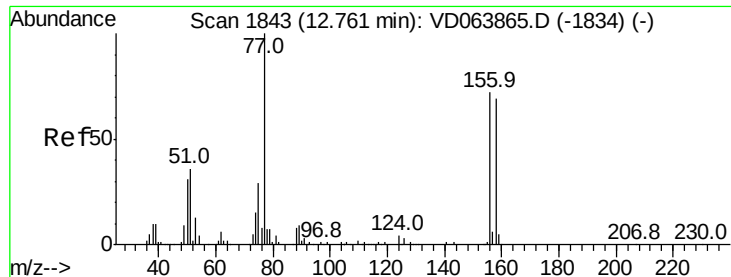
Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Tgt Ion:	75	Resp:	47894
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.862 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

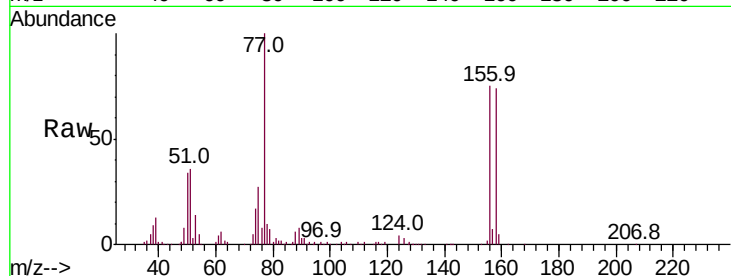
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	150.3	80.3	241.0
158	96.7	47.4	142.2

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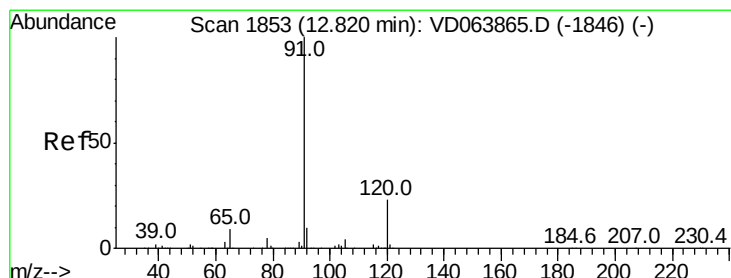
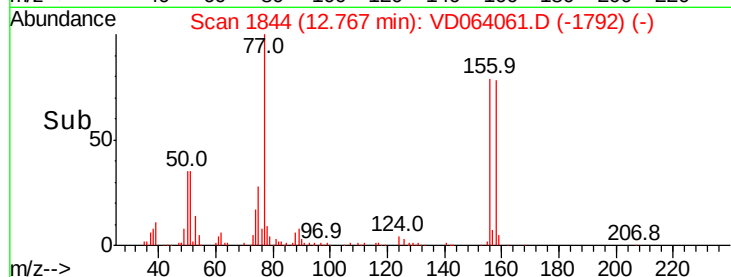
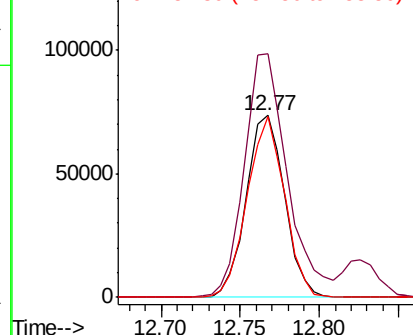
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.552 ug/l

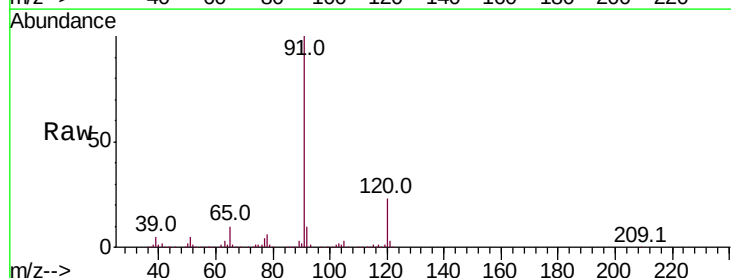
RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD064061.D

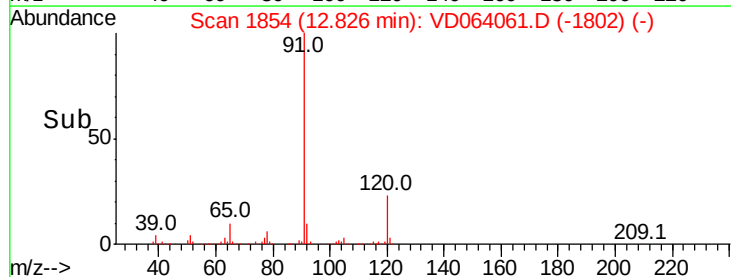
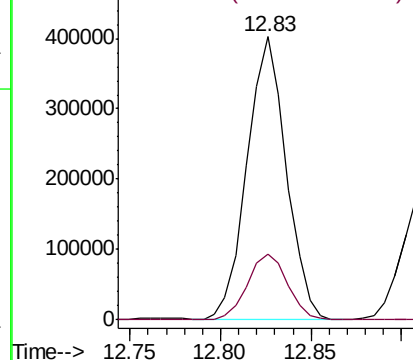
Acq: 25 Oct 2019 13:01

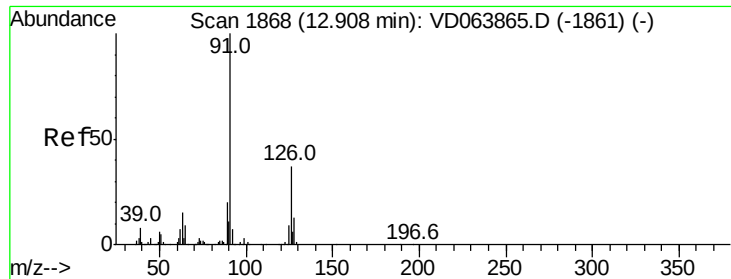
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





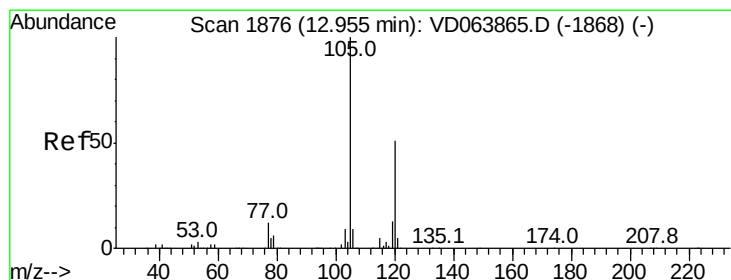
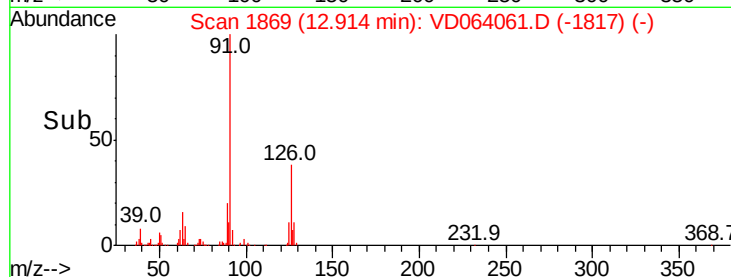
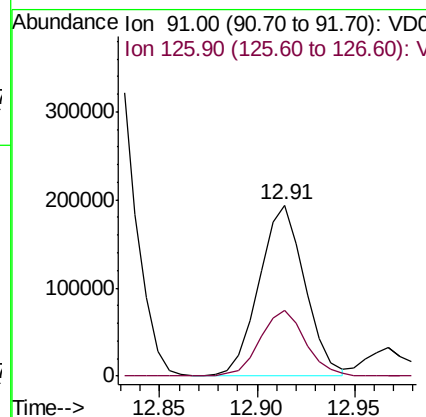
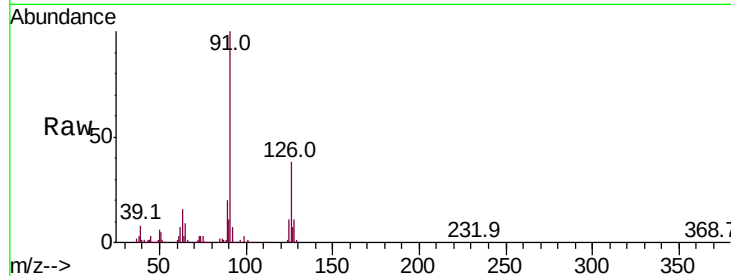
#79
 2-Chlorotoluene
 Concen: 47.564 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VD064061.D
 Acq: 25 Oct 2019 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 314001
 Ion Ratio Lower Upper
 91 100
 126 38.2 18.4 55.2

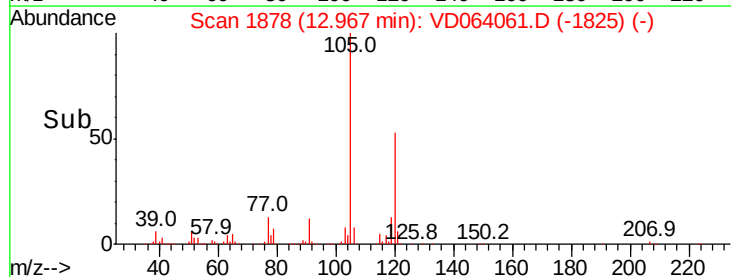
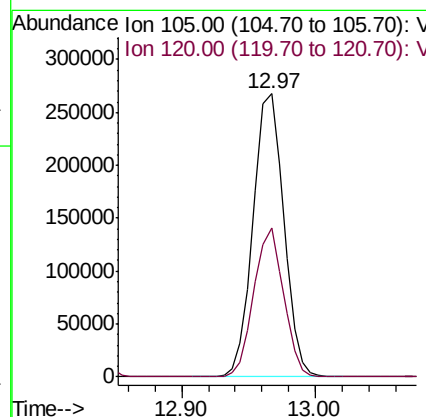
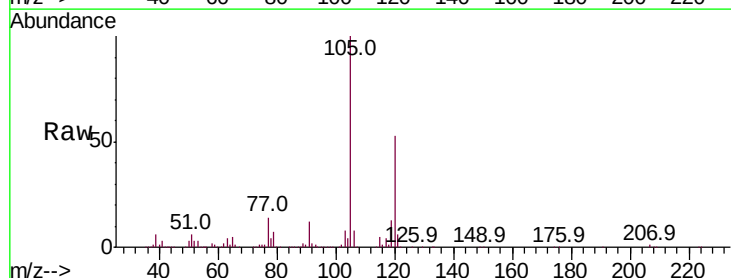
Manual Integrations
 APPROVED

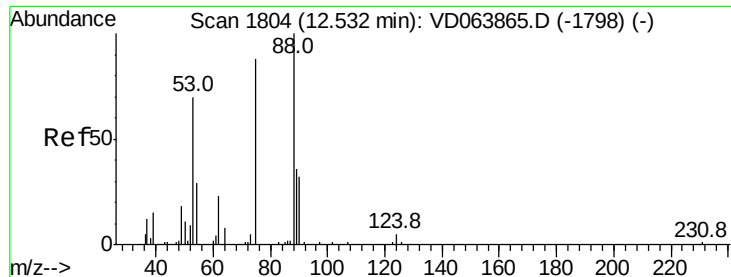
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.069 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD064061.D
 Acq: 25 Oct 2019 13:01

Tgt Ion: 105 Resp: 426067
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.9 77.8





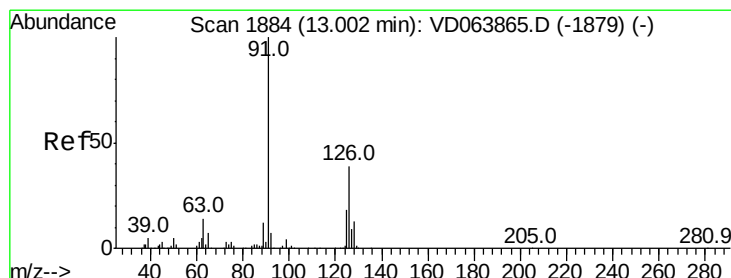
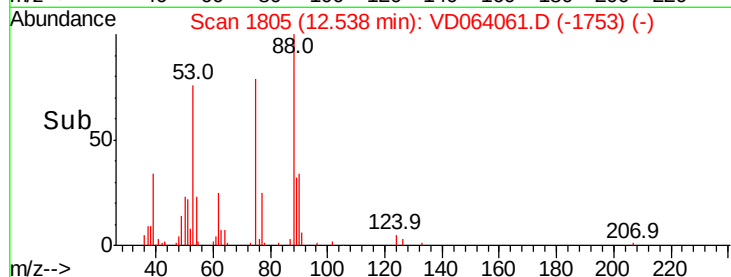
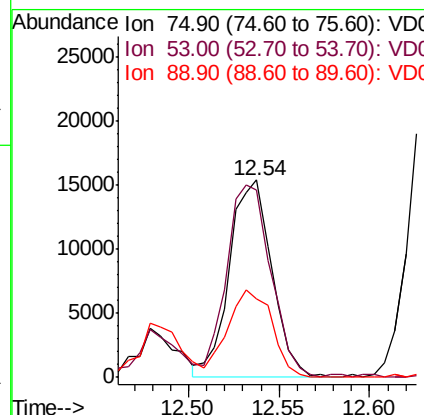
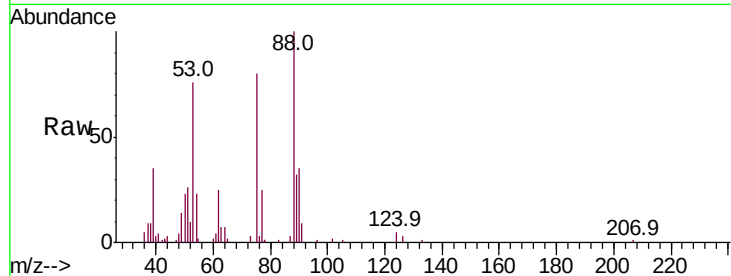
#81
trans-1,4-Dichloro-2-butene
Concen: 43.735 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.0	75.0	112.6
89	46.1	38.2	57.4

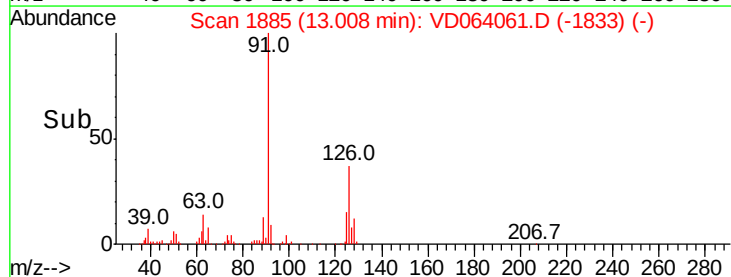
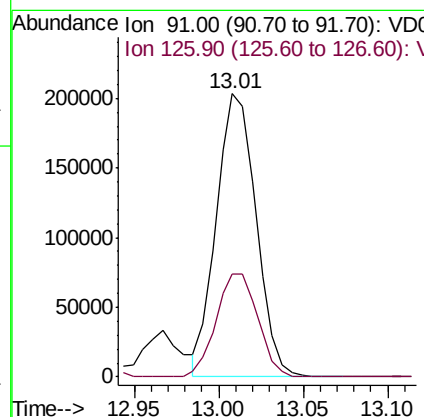
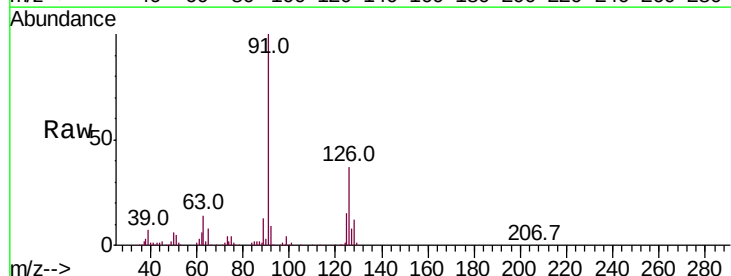
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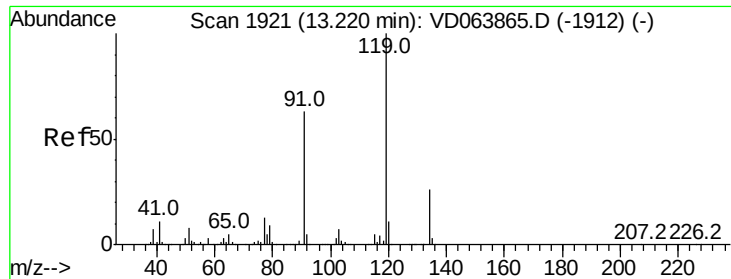
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#82
4-Chlorotoluene
Concen: 47.578 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	38.2	18.6	55.8





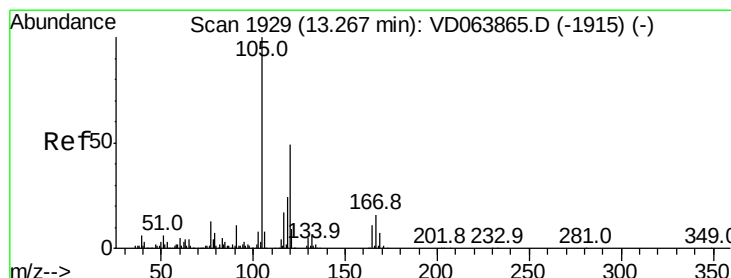
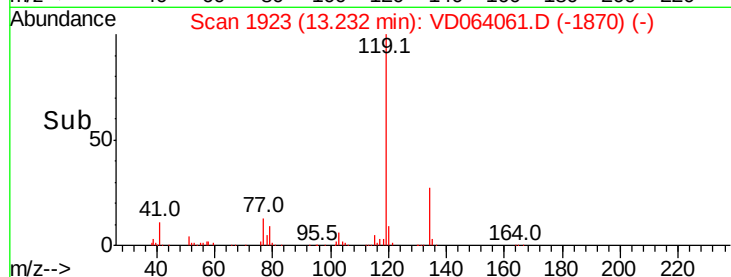
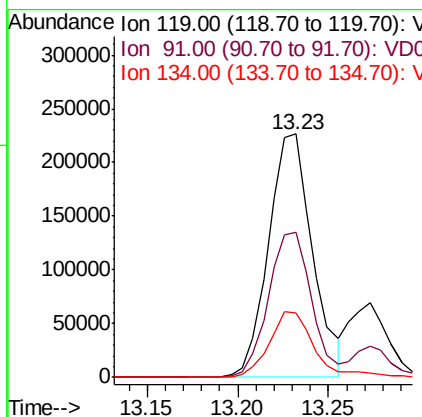
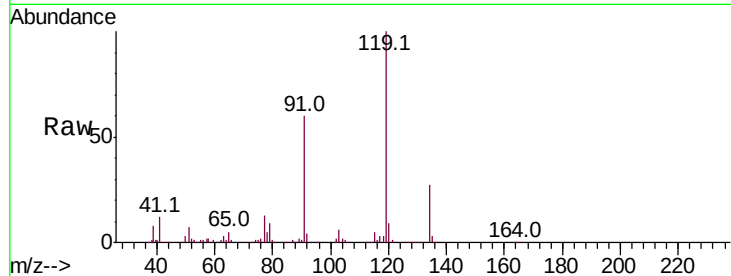
#83
tert-Butylbenzene
Concen: 50.715 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.4	30.0	90.0
134	27.8	13.0	38.9

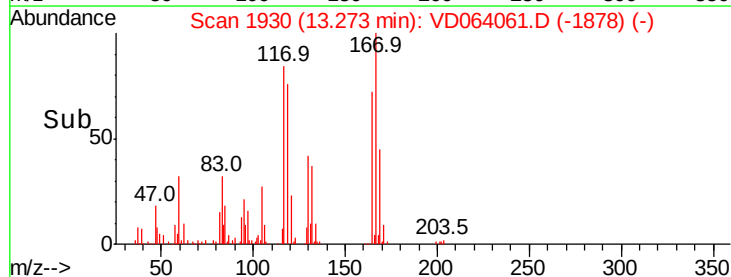
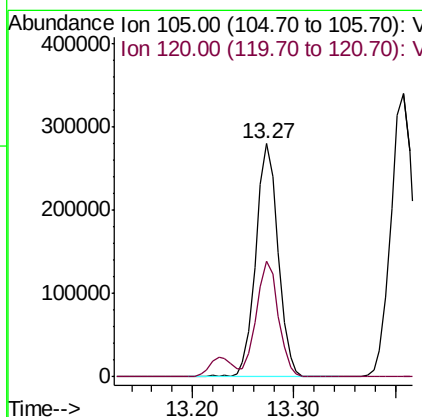
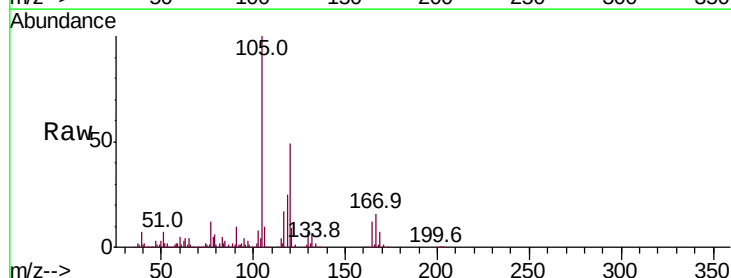
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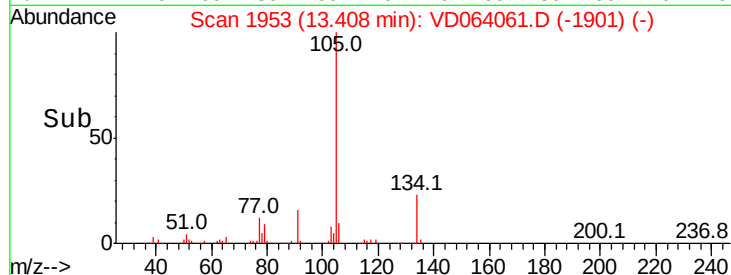
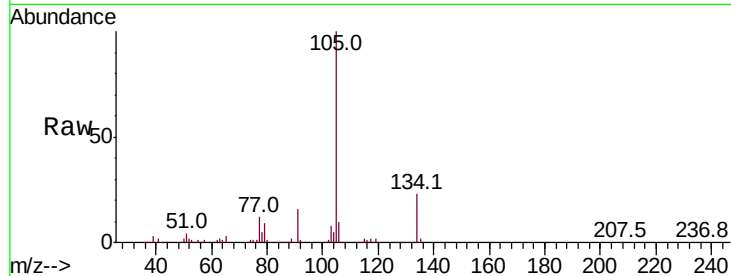
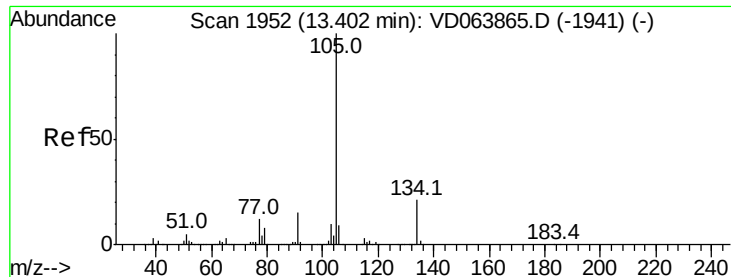
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#84
1,2,4-Trimethylbenzene
Concen: 48.856 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.2	23.8	71.5





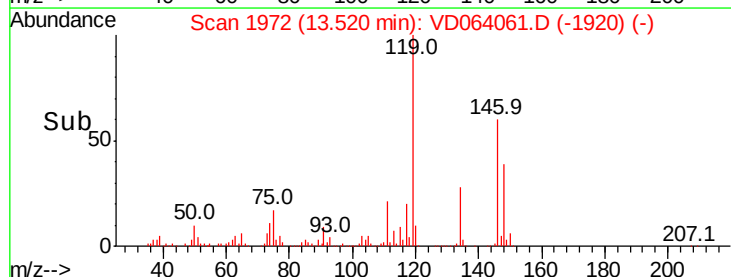
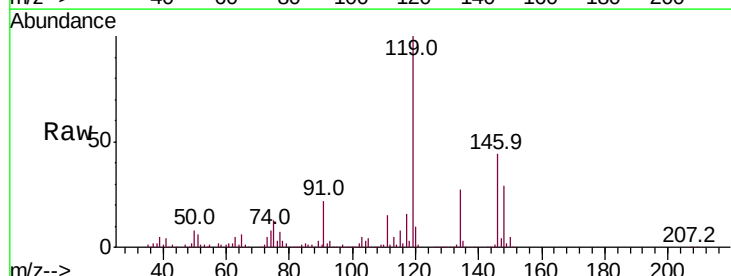
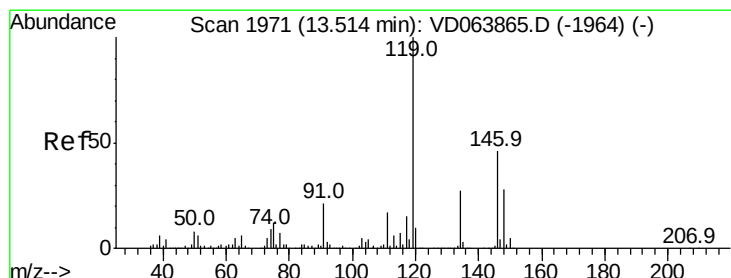
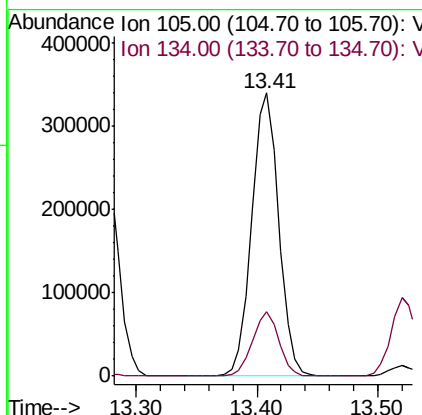
#85
 sec-Butylbenzene
 Concen: 51.998 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.01 min
 Lab File: VD064061.D
 Acq: 25 Oct 2019 13:01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	531813		
134	22.2	10.6	31.8	

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

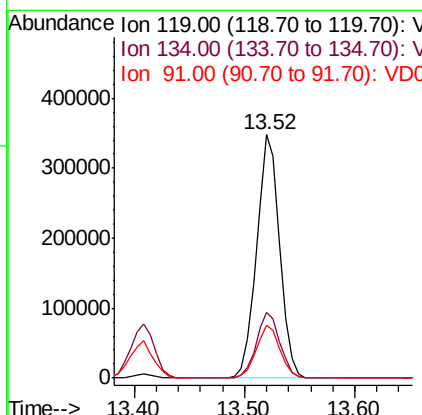
Manual Integrations
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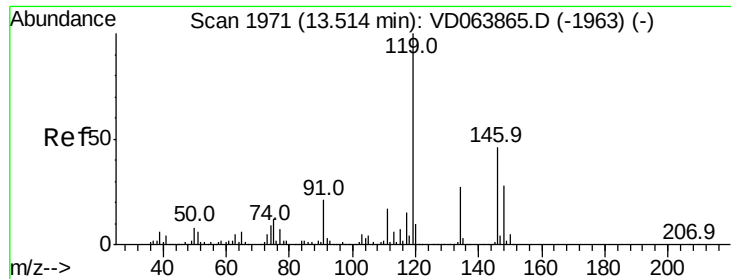
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#86
 p-Isopropyltoluene
 Concen: 52.428 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD064061.D
 Acq: 25 Oct 2019 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	507399		
134	27.7	13.9	41.6	
91	22.3	11.2	33.5	





#87

1,3-Dichlorobenzene

Concen: 50.717 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

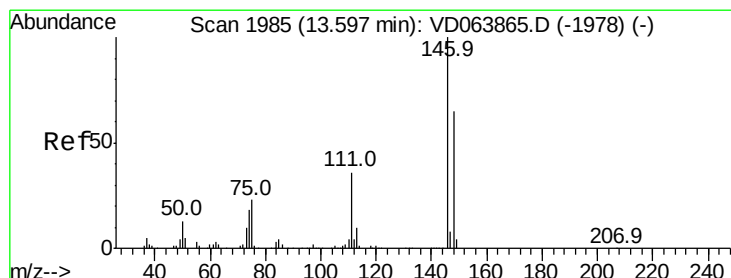
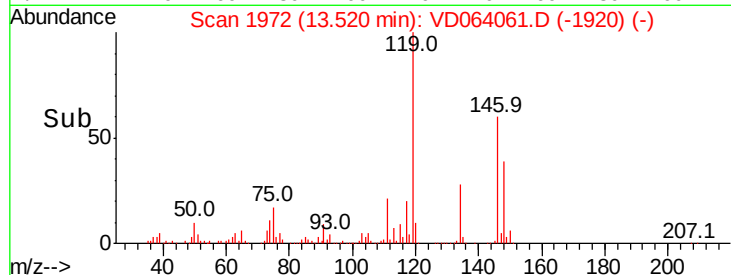
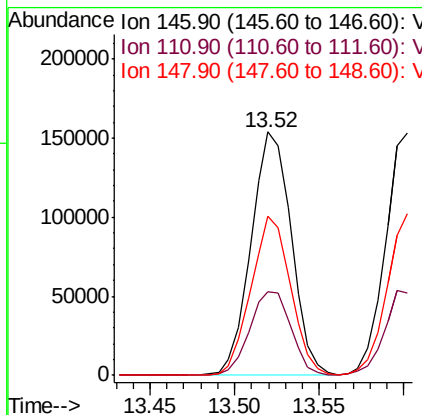
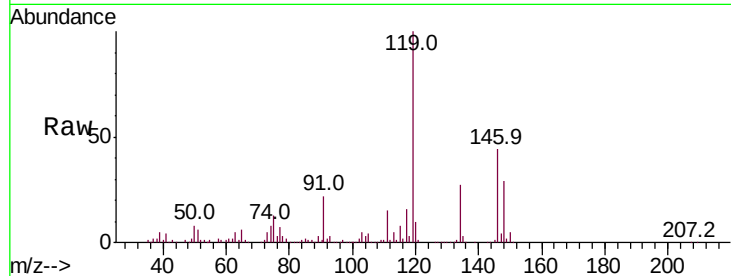
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	254663
Ion Ratio	Lower	Upper	
146	100		
111	35.1	18.3	54.9
148	64.4	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.472 ug/l

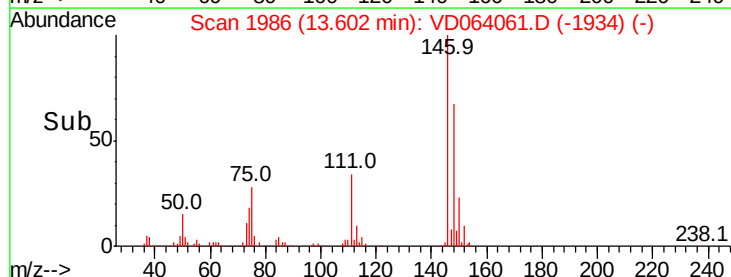
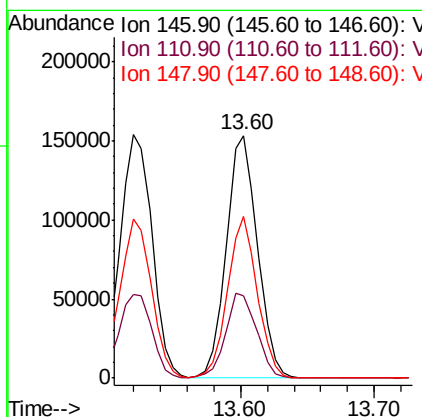
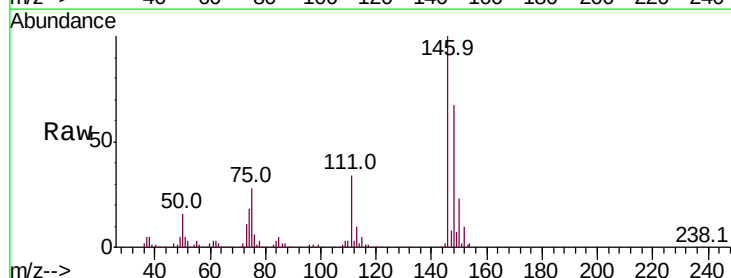
RT: 13.60 min Scan# 1986

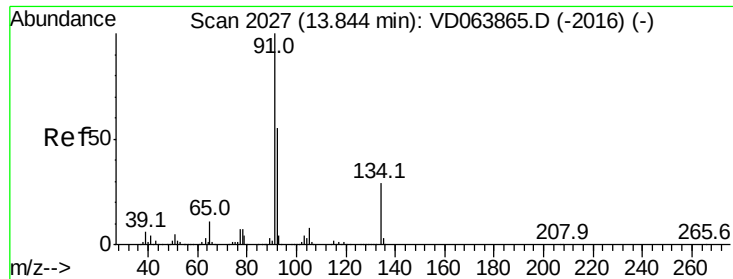
Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Tgt Ion:	146	Resp:	250019
Ion Ratio	Lower	Upper	
146	100		
111	34.9	18.6	56.0
148	63.5	32.6	98.0





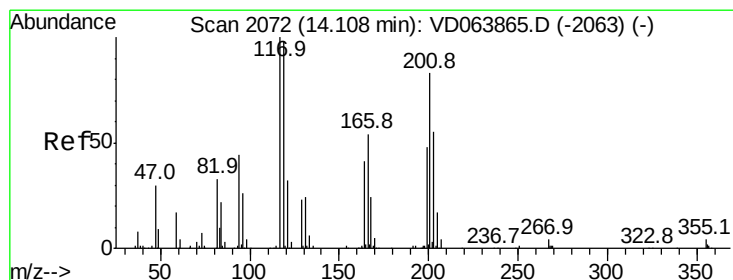
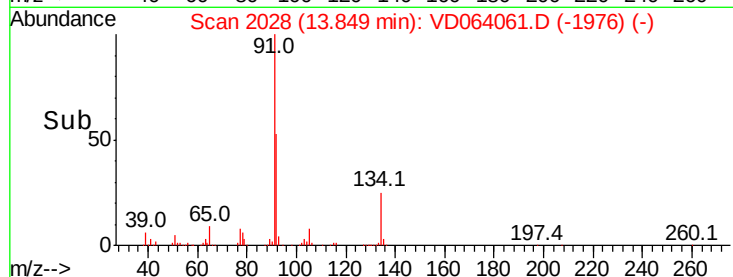
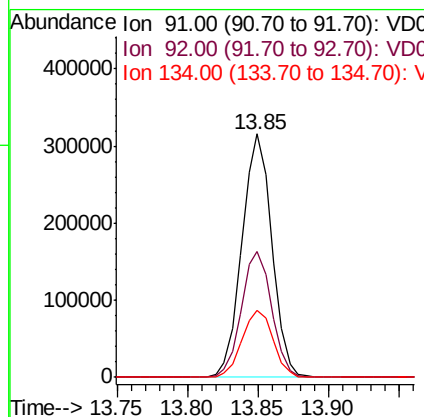
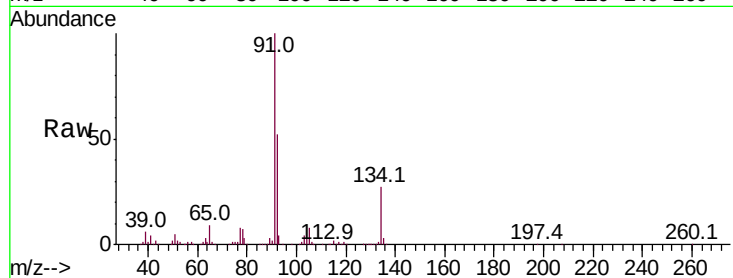
#89
n-Butylbenzene
Concen: 51.993 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.2	26.8	80.3	
134	28.4	14.4	43.0	

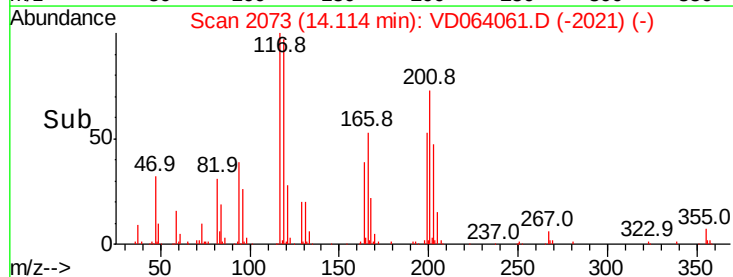
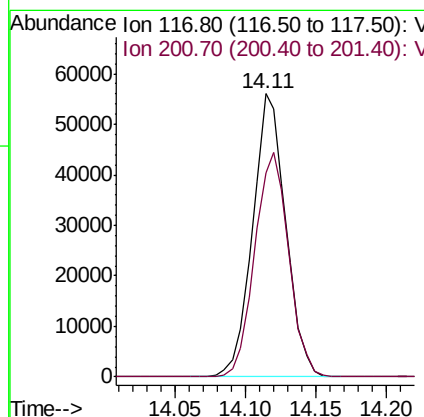
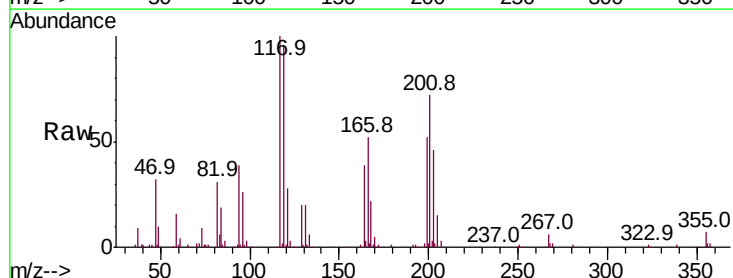
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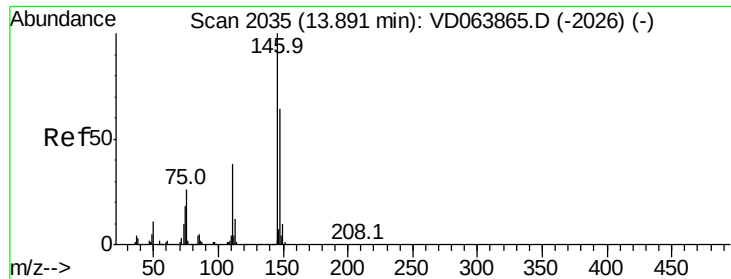
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#90
Hexachloroethane
Concen: 53.111 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	81.2	40.6	121.7	





#91

1,2-Dichlorobenzene

Concen: 49.951 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

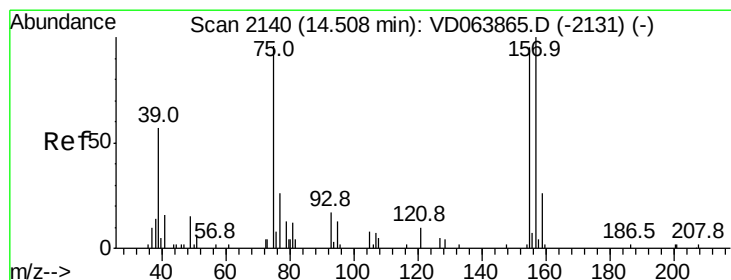
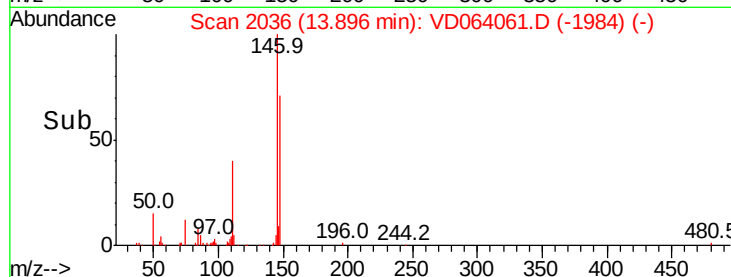
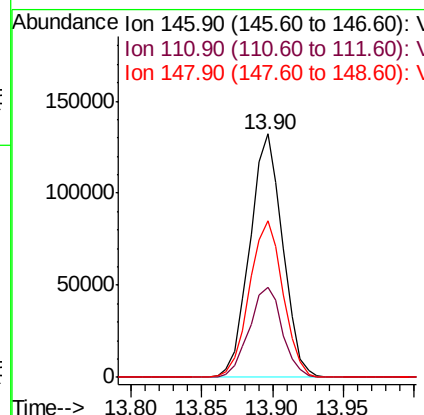
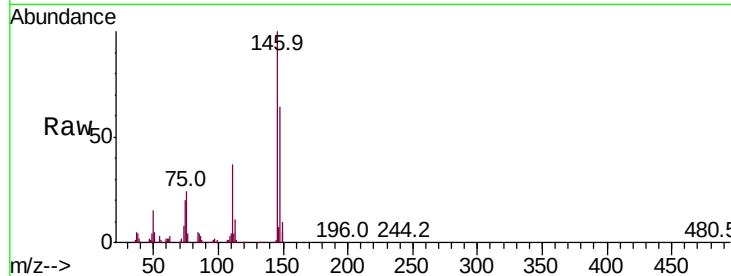
Instrument :
MSVOA_D

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.1	18.6	55.6	
148	65.5	31.6	95.0	

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 44.414 ug/l

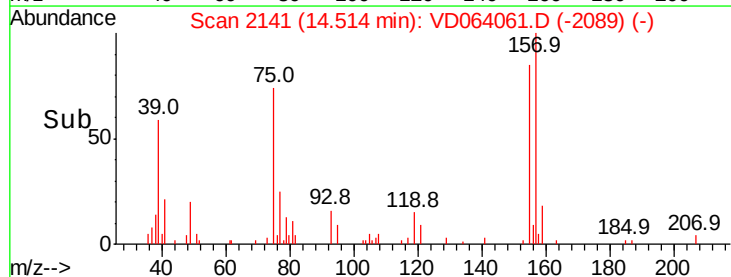
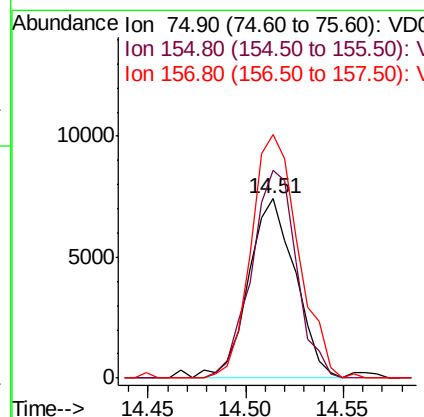
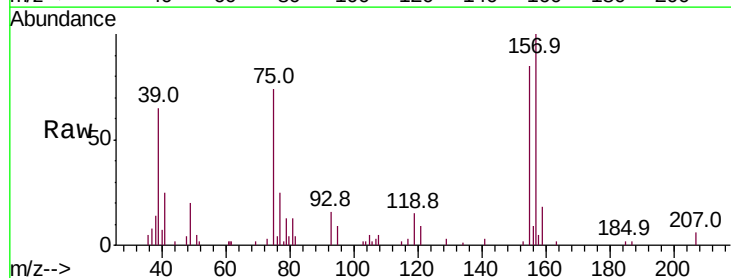
RT: 14.51 min Scan# 2141

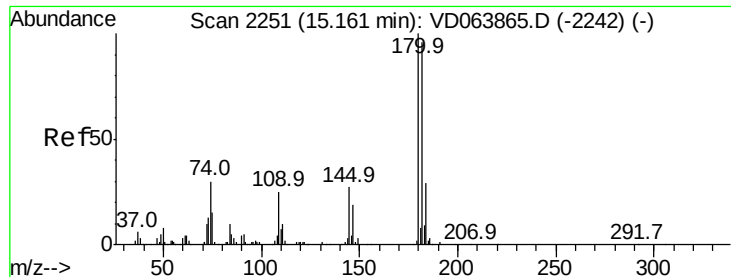
Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	111.6	43.9	131.6	
157	136.9	56.0	167.9	





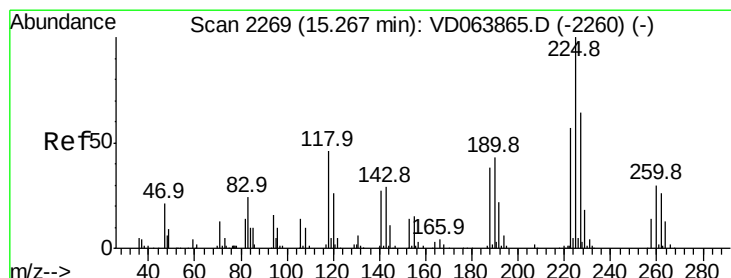
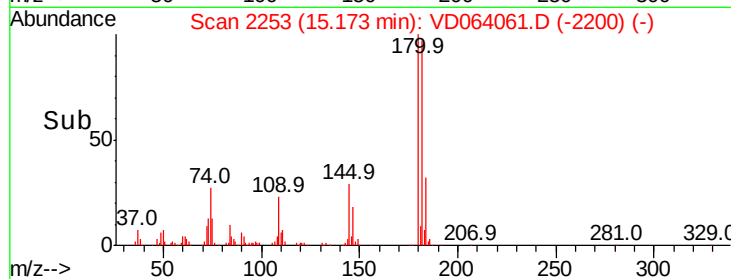
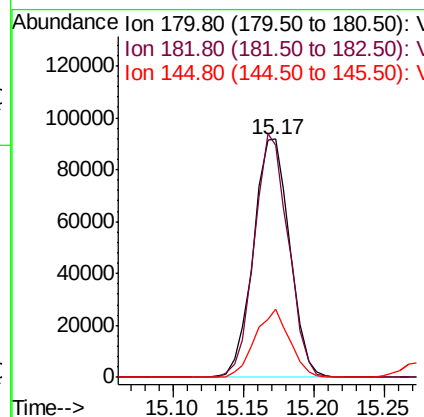
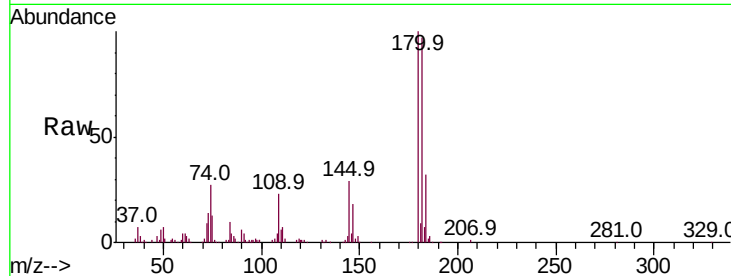
#93
 1,2,4-Trichlorobenzene
 Concen: 49.794 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064061.D
 Acq: 25 Oct 2019 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.0	47.4	142.3	
145	27.3	13.9	41.7	

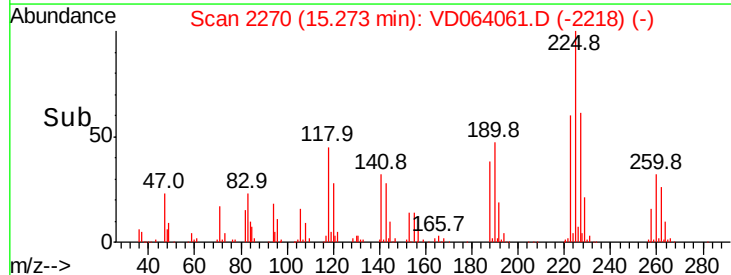
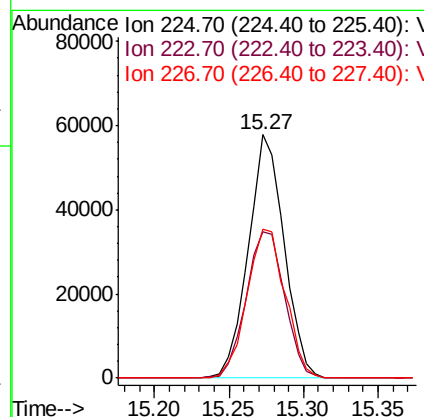
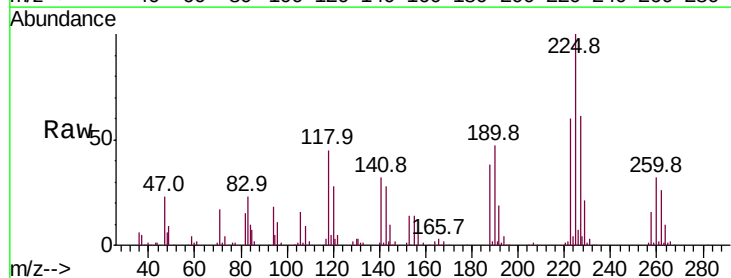
Manual Integrations
 APPROVED

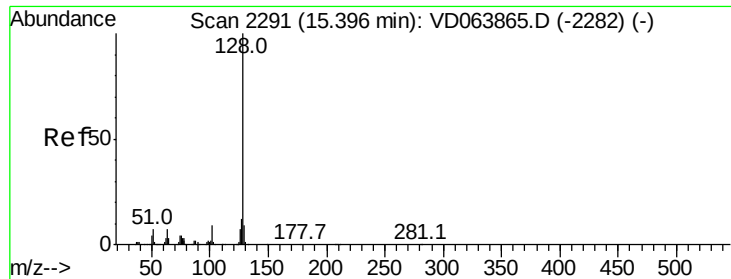
MMDadoda
 10/28/2019 12:39:16 PM



#94
 Hexachlorobutadiene
 Concen: 52.007 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD064061.D
 Acq: 25 Oct 2019 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.6	29.5	88.6	
227	65.1	30.8	92.4	





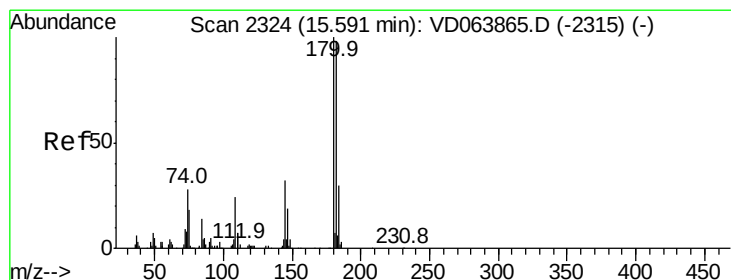
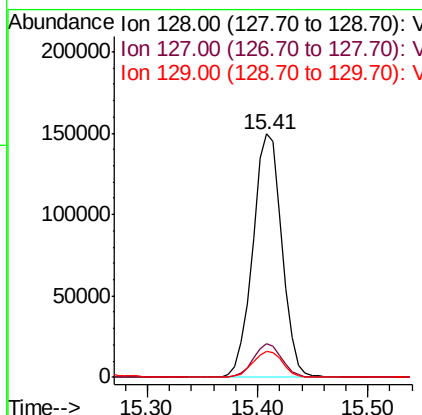
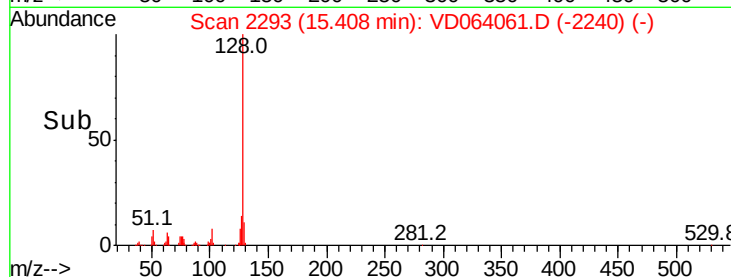
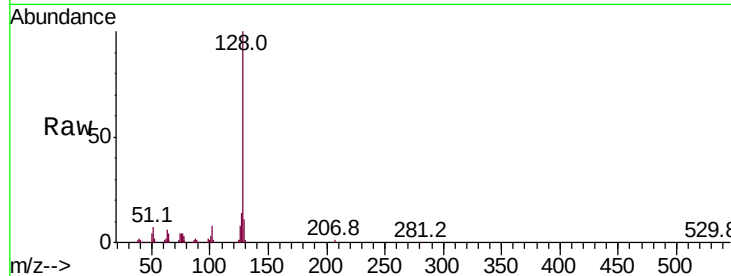
#95
Naphthalene
Concen: 49.195 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	16.0
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:39:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.510 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.0	141.0
145	30.9	15.3	45.9

