

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052219\
 Data File : VD062502.D
 Acq On : 22 May 2019 15:00
 Operator : VA/AP
 Sample : VD0522SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 11:21:07 AM

Quant Time: May 23 03:40:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	588167	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.19	114	810770	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.35	117	678019	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	365703	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.42	65	308921	49.07	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	98.14%	
35) Dibromofluoromethane	6.90	113	374648	51.22	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	102.44%	
50) Toluene-d8	10.39	98	813437	50.82	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	13.55	95	353746	50.52	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	101.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.56	85	149969	24.653	ug/l	98
3) Chloromethane	1.74	50	101688	24.957	ug/l	97
4) Vinyl Chloride	1.84	62	110953	25.878	ug/l	99
5) Bromomethane	2.13	94	37602	20.324	ug/l	95
6) Chloroethane	2.24	64	51209	24.689	ug/l	100
7) Trichlorofluoromethane	2.50	101	194074	19.590	ug/l	99
8) Diethyl Ether	2.85	74	30361	22.719	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.12	101	116562	19.777	ug/l	93
10) Methyl Iodide	3.28	142	213058	25.926	ug/l	89
11) Tert butyl alcohol	4.07	59	35357	121.665	ug/l	100
12) 1,1-Dichloroethene	3.10	96	89931	20.646	ug/l	85
13) Acrolein	3.02	56	24068m	99.728	ug/l	
14) Allyl chloride	3.60	41	143507	22.344	ug/l #	82
15) Acrylonitrile	4.17	53	76051	114.205	ug/l #	90
16) Acetone	3.20	43	124256	110.134	ug/l #	82
17) Carbon Disulfide	3.35	76	304658	23.095	ug/l	100
18) Methyl Acetate	3.62	43	41564	21.350	ug/l #	89
19) Methyl tert-butyl Ether	4.22	73	221742	22.041	ug/l #	82
20) Methylene Chloride	3.79	84	110667	19.128	ug/l	95
21) trans-1,2-Dichloroethene	4.19	96	105881	20.764	ug/l	86
22) Diisopropyl ether	5.09	45	321613	23.526	ug/l	94
23) Vinyl Acetate	5.02	43	940775	113.889	ug/l	97
24) 1,1-Dichloroethane	4.94	63	194757	22.121	ug/l	99
25) 2-Butanone	6.05	43	131842	111.729	ug/l	98
26) 2,2-Dichloropropane	6.00	77	199371	21.007	ug/l	98
27) cis-1,2-Dichloroethene	6.01	96	114015	20.736	ug/l	91
28) Bromochloromethane	6.41	49	64336	20.360	ug/l	99
29) Tetrahydrofuran	6.44	42	64866	115.101	ug/l	98
30) Chloroform	6.64	83	239652	21.351	ug/l	98
31) Cyclohexane	6.93	56	172178	28.964	ug/l #	87
32) 1,1,1-Trichloroethane	6.84	97	227770	20.099	ug/l	91
36) 1,1-Dichloropropene	7.12	75	164458	21.216	ug/l	98
37) Ethyl Acetate	6.16	43	62110	20.626	ug/l #	92
38) Carbon Tetrachloride	7.09	117	239735	20.810	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052219\
 Data File : VD062502.D
 Acq On : 22 May 2019 15:00
 Operator : VA/AP
 Sample : VD0522SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0522SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 11:21:07 AM

Quant Time: May 23 03:40:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	179026	28.001	ug/l	97
40) Benzene	7.43	78	319356	21.004	ug/l	97
41) Methacrylonitrile	6.42	41	84631	22.377	ug/l #	82
42) 1,2-Dichloroethane	7.55	62	172800	21.462	ug/l	92
43) Isopropyl Acetate	9.23	43	87156	21.817	ug/l	97
44) Trichloroethene	8.52	130	137752	22.627	ug/l	97
45) 1,2-Dichloropropane	8.92	63	79282	21.397	ug/l	94
46) Dibromomethane	9.04	93	65113	19.386	ug/l	97
47) Bromodichloromethane	9.35	83	187501	21.944	ug/l	95
48) Methyl methacrylate	9.10	41	61233	22.777	ug/l #	81
49) 1,4-Dioxane	9.06	88	10368	429.967	ug/l #	75
51) 4-Methyl-2-Pentanone	10.28	43	298044	112.935	ug/l	92
52) Toluene	10.49	92	198228	19.044	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	144095	20.256	ug/l	98
54) cis-1,3-Dichloropropene	10.02	75	172306	23.213	ug/l #	85
55) 1,1,2-Trichloroethane	11.17	97	80154	22.721	ug/l	94
56) Ethyl methacrylate	11.03	69	97968	25.977	ug/l #	82
57) 1,3-Dichloropropane	11.39	76	113731	21.022	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.84	63	208473	107.653	ug/l	98
59) 2-Hexanone	11.52	43	239256	124.740	ug/l	98
60) Dibromochloromethane	11.67	129	139882	20.644	ug/l	98
61) 1,2-Dibromoethane	11.79	107	92408	21.255	ug/l	100
64) Tetrachloroethene	11.23	164	116853	20.583	ug/l	96
65) Chlorobenzene	12.38	112	281025	21.553	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	125356	20.828	ug/l	93
67) Ethyl Benzene	12.51	91	1032643	45.981	ug/l	97
68) m/p-Xylenes	12.66	106	688037	85.347	ug/l	89
69) o-Xylene	13.03	106	164080	21.571	ug/l	79
70) Styrene	13.06	104	279887	21.630	ug/l	95
71) Bromoform	13.22	173	74795	18.713	ug/l #	98
73) Isopropylbenzene	13.39	105	641110	27.812	ug/l	96
74) N-amyl acetate	13.25	43	123550	21.701	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.68	83	85867	20.648	ug/l	96
76) 1,2,3-Trichloropropane	13.72	75	85519	19.853	ug/l	98
77) Bromobenzene	13.65	156	141107	21.579	ug/l	85
78) n-propylbenzene	13.76	91	700557	26.237	ug/l	98
79) 2-Chlorotoluene	13.83	91	359648	22.195	ug/l	94
80) 1,3,5-Trimethylbenzene	13.92	105	523194	26.213	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	26722	21.996	ug/l #	79
82) 4-Chlorotoluene	13.94	91	402640	21.576	ug/l	92
83) tert-Butylbenzene	14.18	119	424090	19.155	ug/l	92
84) 1,2,4-Trimethylbenzene	14.22	105	972850	47.568	ug/l	92
85) sec-Butylbenzene	14.35	105	519397	22.499	ug/l	97
86) p-Isopropyltoluene	14.48	119	482523	23.065	ug/l	93
87) 1,3-Dichlorobenzene	14.44	146	243711	21.104	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	250568	22.486	ug/l	96
89) n-Butylbenzene	14.79	91	387418	19.189	ug/l	94
90) Hexachloroethane	15.00	117	108555	18.776	ug/l	71
91) 1,2-Dichlorobenzene	14.80	146	192618	19.616	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	13499	17.101	ug/l	61

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052219\
Data File : VD062502.D
Acq On : 22 May 2019 15:00
Operator : VA/AP
Sample : VD0522SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0522SBSD01

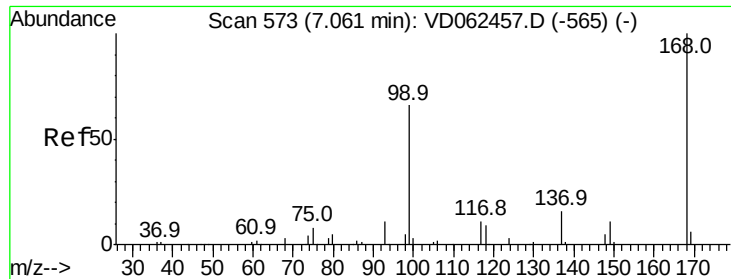
Manual Integrations
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5/23/2019 11:21:07 AM

Quant Time: May 23 03:40:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 03:32:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	123158	15.929	ug/l	96
94) Hexachlorobutadiene	16.03	225	88610	15.521	ug/l	95
95) Naphthalene	16.11	128	267981	25.366	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	98933	15.608	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.04 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBS01

Tot Ion:168 Resp: 588167

Ion Ratio Lower Upper

168 100

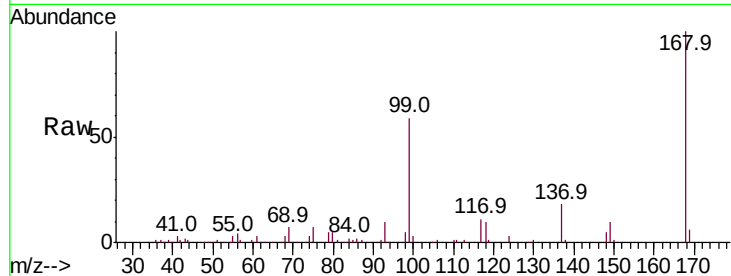
99 58.6 46.5 69.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

200000

150000

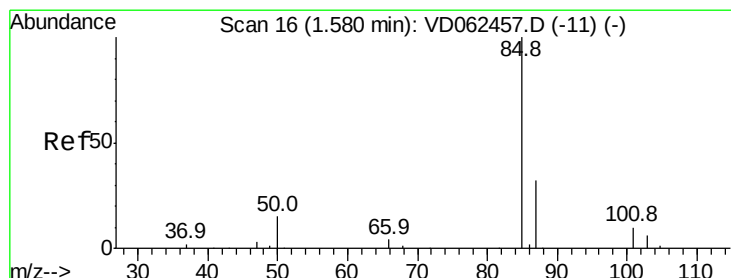
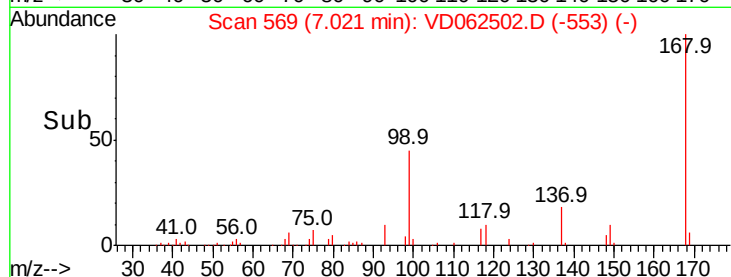
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 24.653 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.02 min

Lab File: VD062502.D

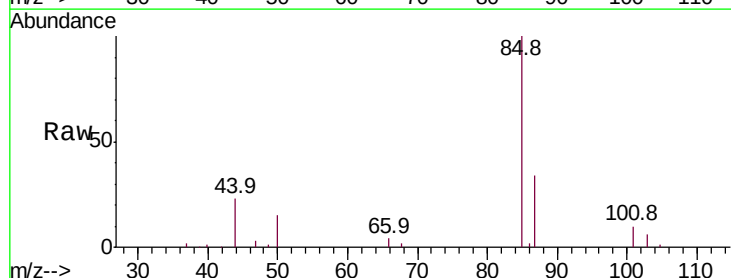
Acq: 22 May 2019 15:00

Tgt Ion: 85 Resp: 149969

Ion Ratio Lower Upper

85 100

87 33.6 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

100000

80000

60000

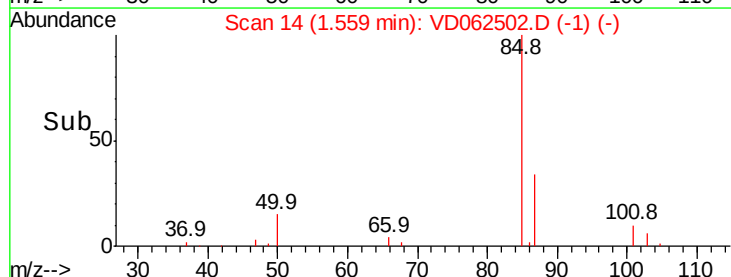
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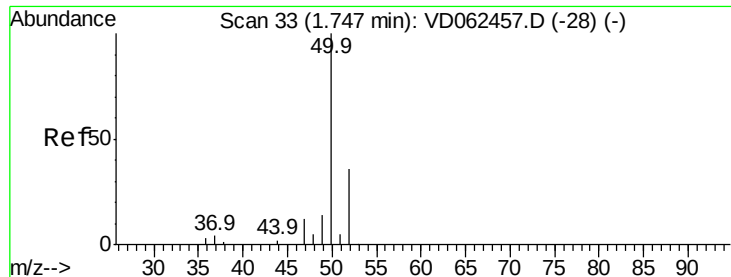
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 24.957 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBS01

Tot Ion: 50 Resp: 101688

Ion Ratio Lower Upper

50 100

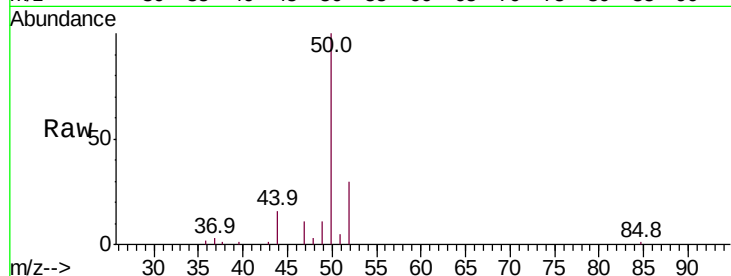
52 29.8 25.2 37.8

Manual Integrations

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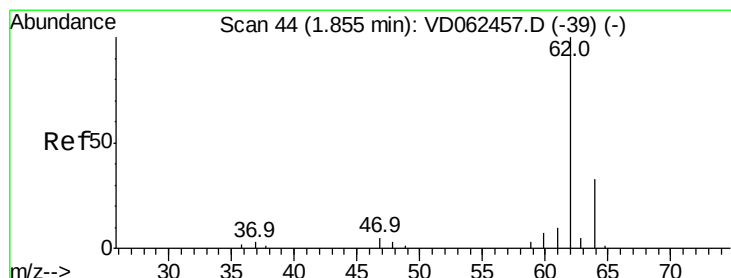
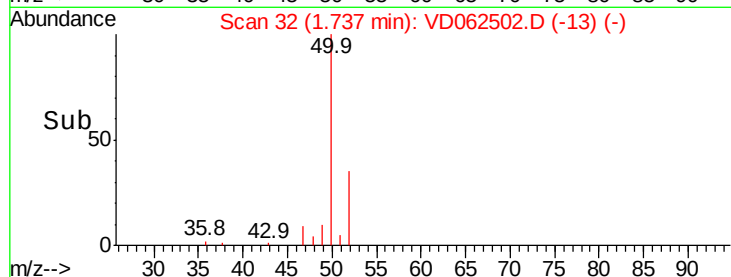
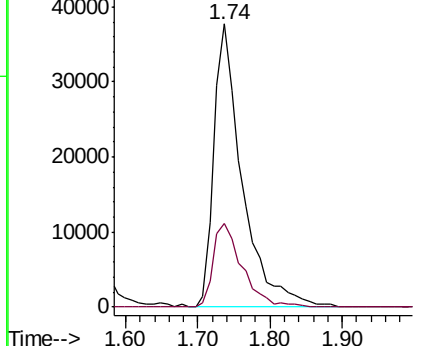
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 25.878 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD062502.D

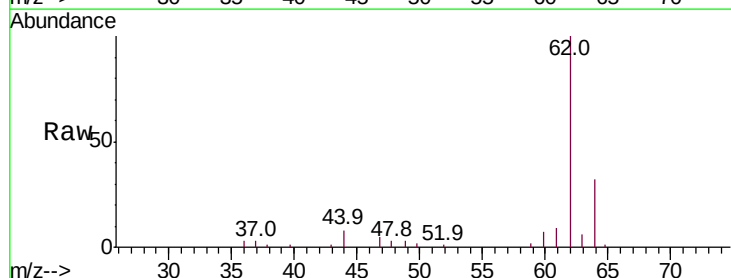
Acq: 22 May 2019 15:00

Tgt Ion: 62 Resp: 110953

Ion Ratio Lower Upper

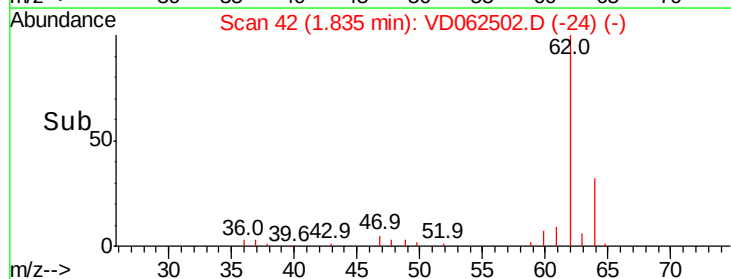
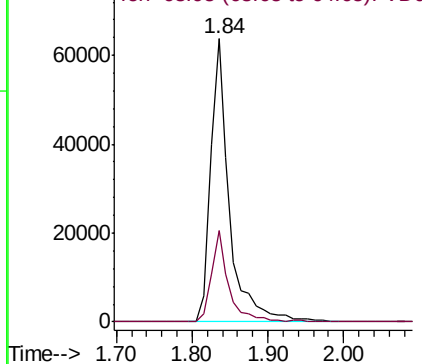
62 100

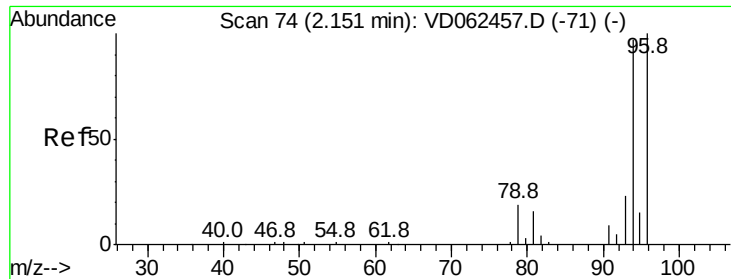
64 32.3 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 20.324 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

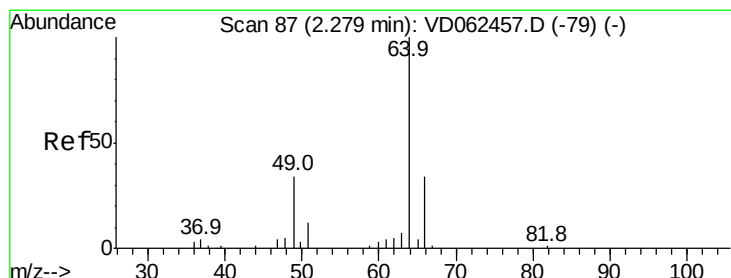
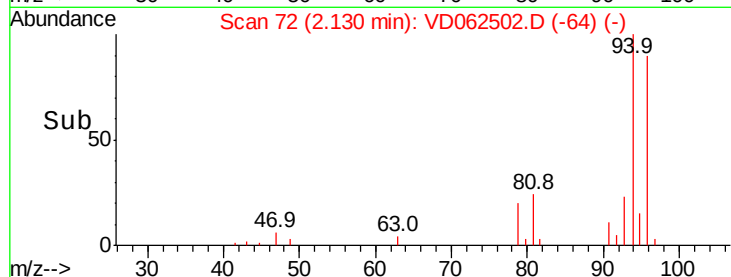
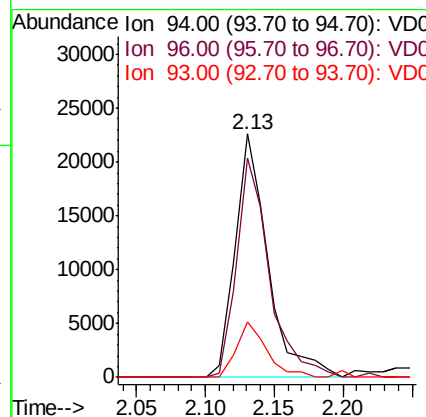
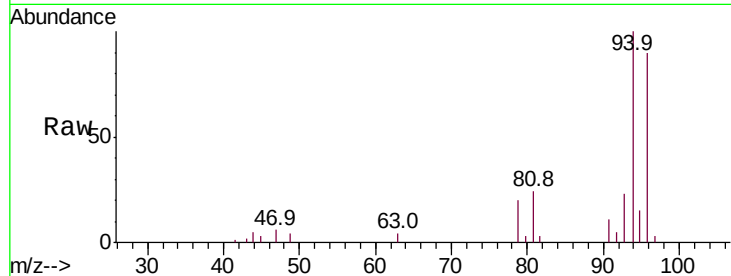
ClientSampleId :

VD0522SBS01

Tot Ion:	94	Resp:	37602
Ion	Ratio	Lower	Upper
94	100		
96	89.8	76.6	115.0
93	22.9	18.5	27.7

Manual Integrations
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#6

Chloroethane

Concen: 24.689 ug/l

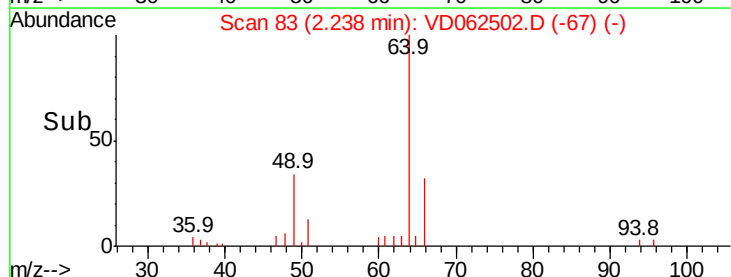
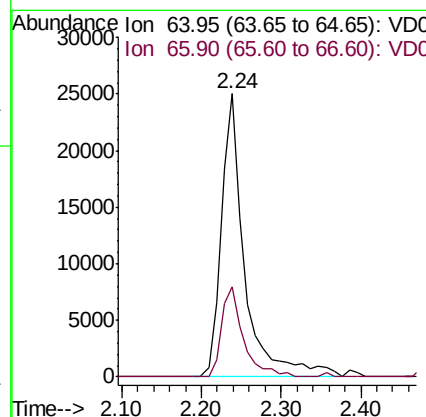
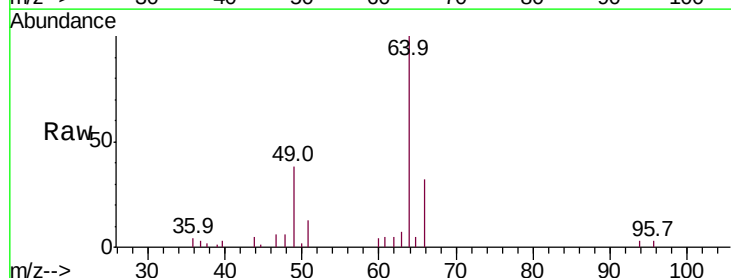
RT: 2.24 min Scan# 83

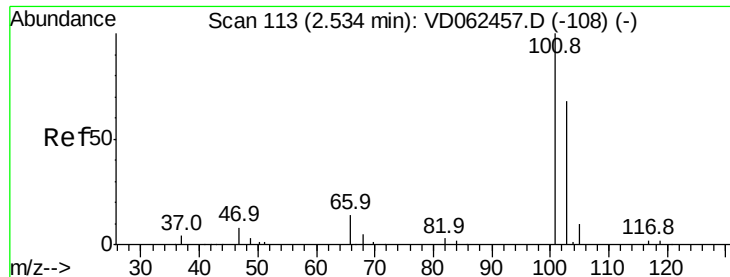
Delta R.T. -0.04 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Tgt Ion:	64	Resp:	51209
Ion	Ratio	Lower	Upper
64	100		
66	31.9	25.6	38.4





#7

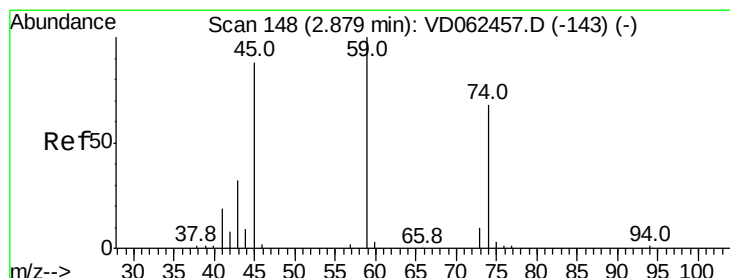
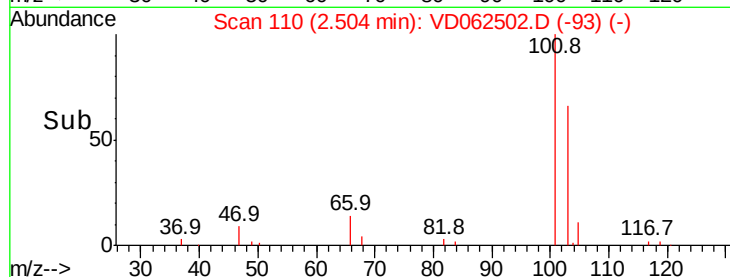
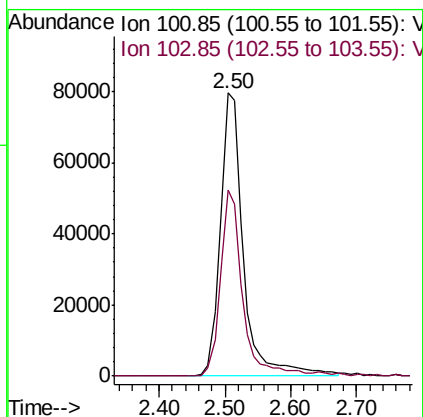
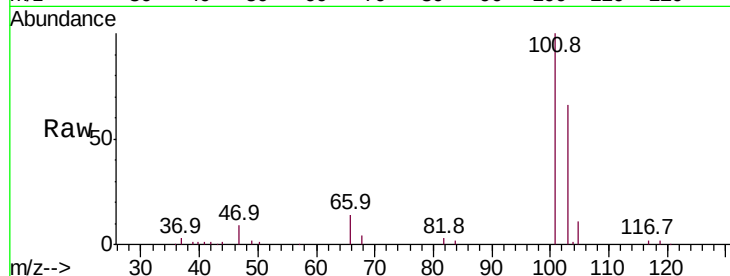
Trichlorofluoromethane
Concen: 19.590 ug/l
RT: 2.50 min Scan# 110
Delta R.T. -0.03 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0522SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	53.6	80.4

Manual Integrations
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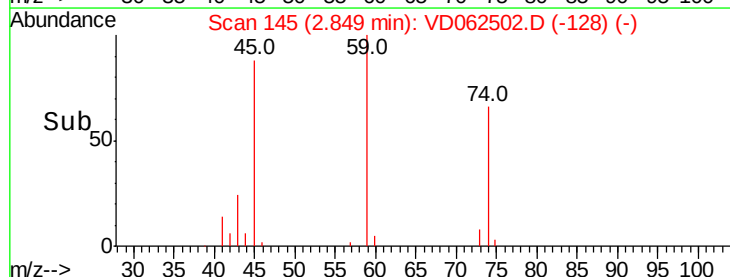
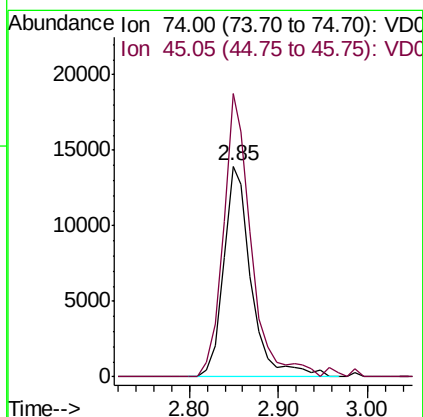
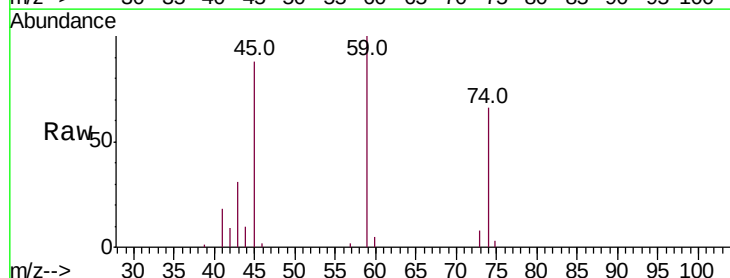
MMDadoda
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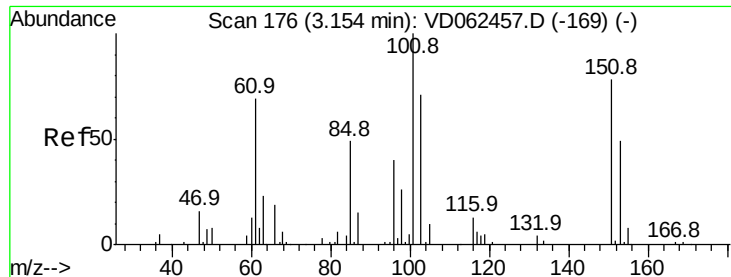


#8

Diethyl Ether
Concen: 22.719 ug/l
RT: 2.85 min Scan# 145
Delta R.T. -0.03 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	134.1	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.777 ug/l

RT: 3.12 min Scan# 173

Delta R.T. -0.03 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

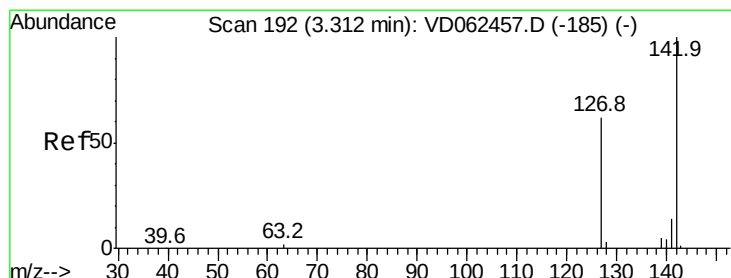
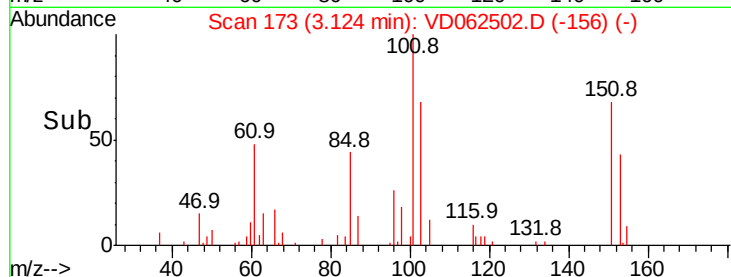
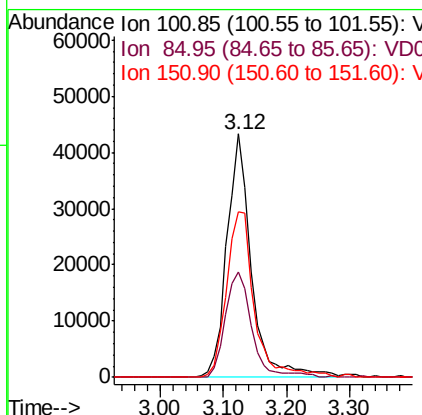
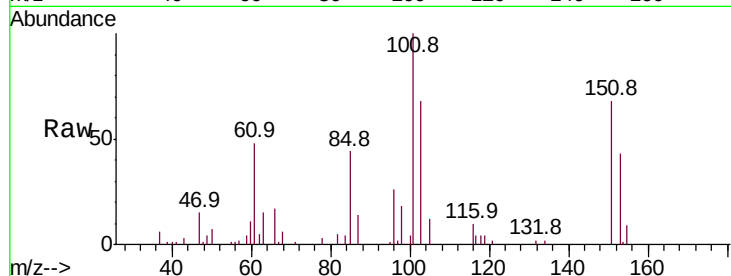
ClientSampleId :

VD0522SBS01

Tot Ion:	101	Resp:	116562
Ion Ratio	Lower	Upper	
101	100		
85	43.5	32.4	48.6
151	67.8	59.4	89.0

Manual Integrations
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#10

Methyl Iodide

Concen: 25.926 ug/l

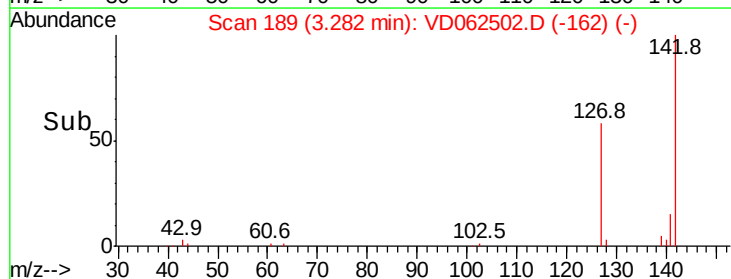
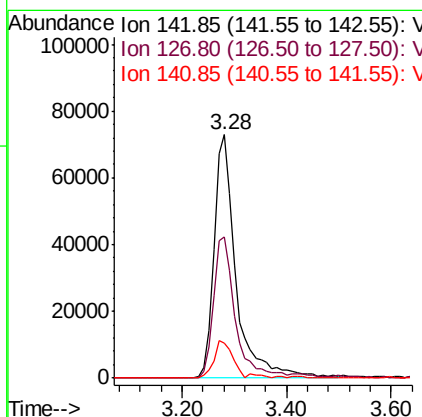
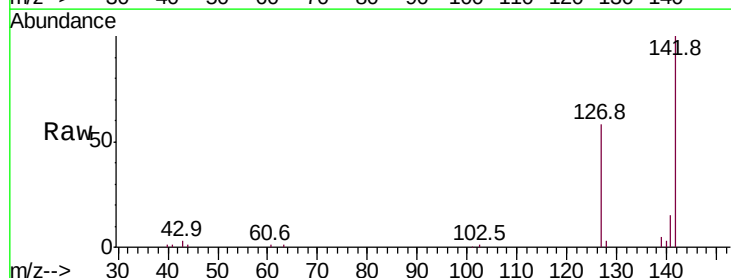
RT: 3.28 min Scan# 189

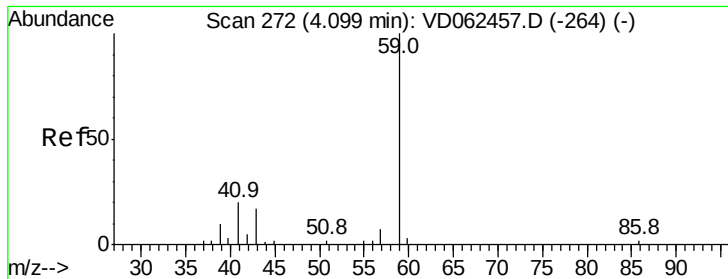
Delta R.T. -0.03 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Tgt Ion:	142	Resp:	213058
Ion Ratio	Lower	Upper	
142	100		
127	57.9	38.8	58.2
141	14.6	11.4	17.0





#11

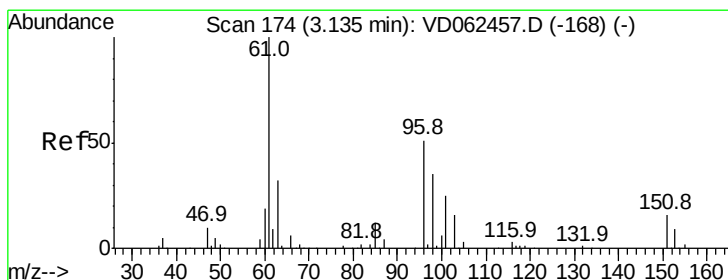
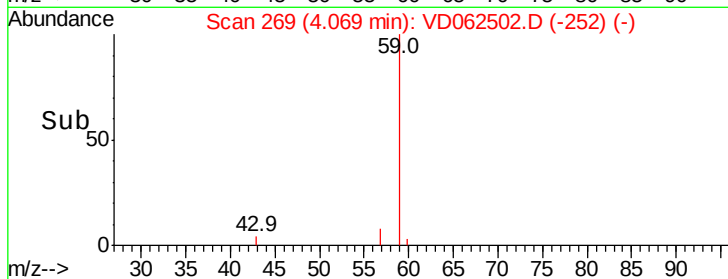
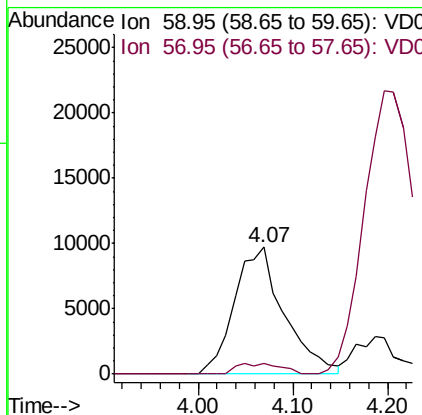
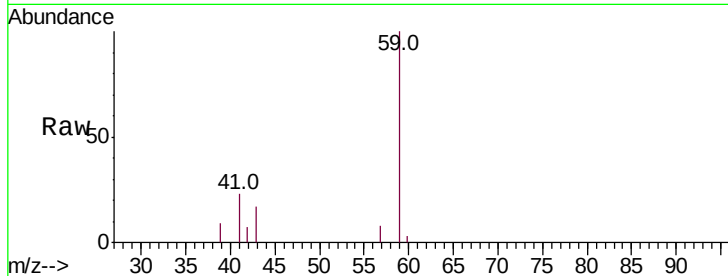
Tert butyl alcohol
Concen: 121.665 ug/l
RT: 4.07 min Scan# 269
Delta R.T. -0.03 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0522SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.5	6.9	10.3

Manual Integrations
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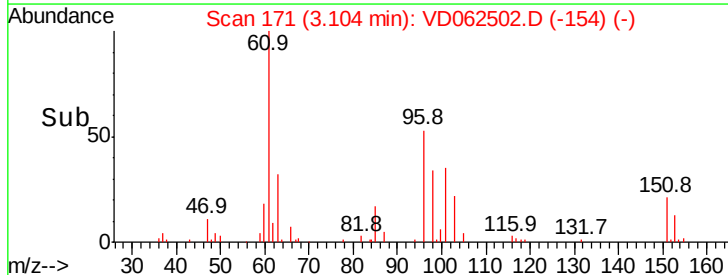
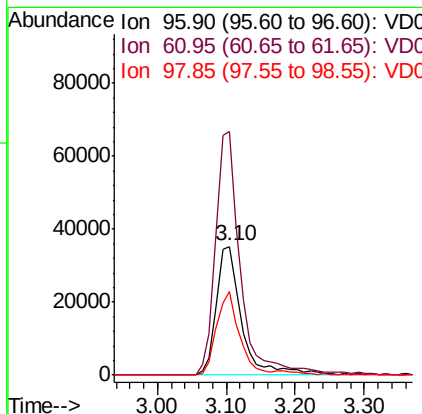
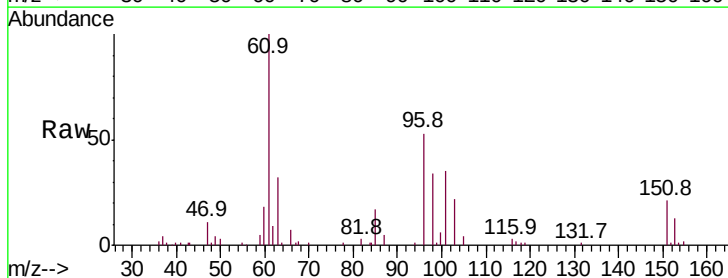
MMDadoda
5/23/2019 11:21:07 AM

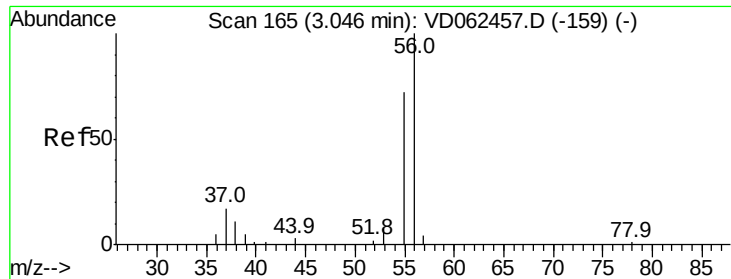


#12

1,1-Dichloroethene
Concen: 20.646 ug/l
RT: 3.10 min Scan# 171
Delta R.T. -0.03 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.6	129.8	194.8
98	65.3	51.2	76.8





#13

Acrolein

Concen: 99.728 ug/l m

RT: 3.02 min Scan# 162

Delta R.T. -0.03 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBS01

Tot Ion: 56 Resp: 24068

Ion Ratio Lower Upper

56 100

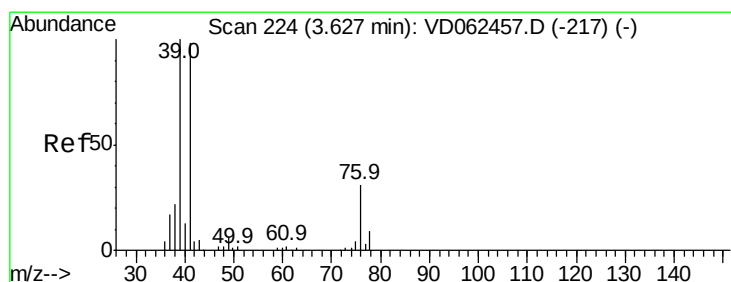
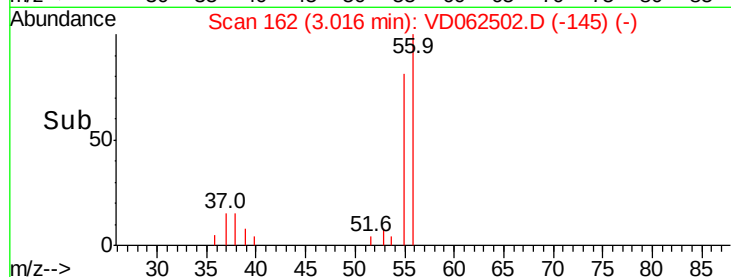
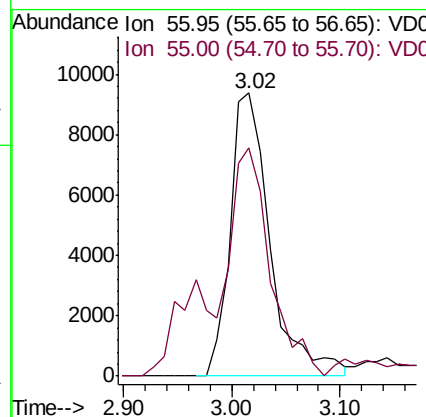
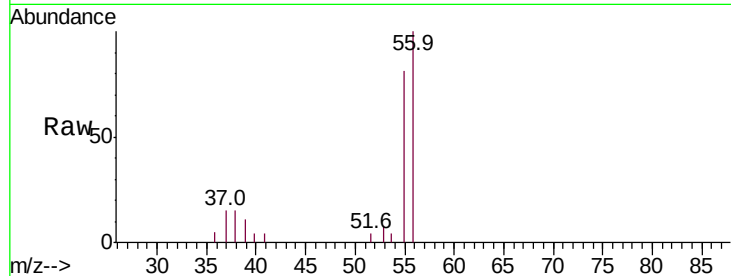
55 80.6 51.4 77.2#

Manual Integrations

APPROVED

MMDadoda

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#14

Allyl chloride

Concen: 22.344 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.03 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

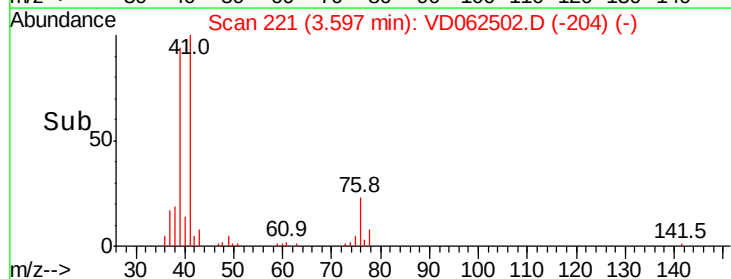
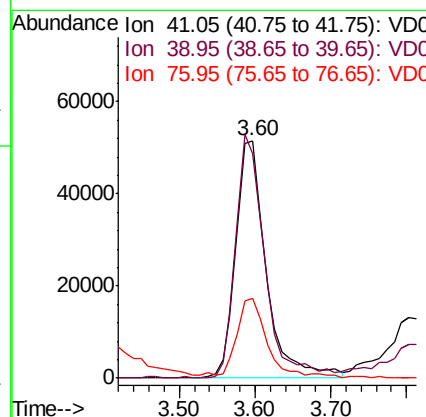
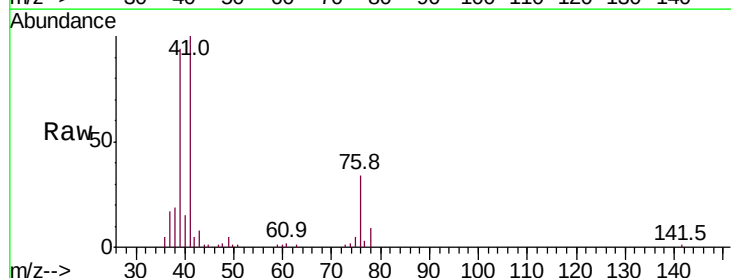
Tgt Ion: 41 Resp: 143507

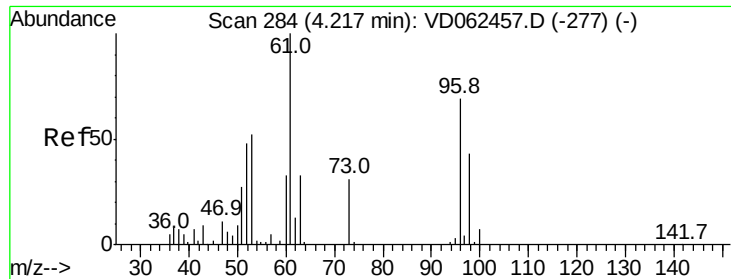
Ion Ratio Lower Upper

41 100

39 94.2 60.5 90.7#

76 33.6 31.8 47.8





#15

Acrylonitrile

Concen: 114.205 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.05 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

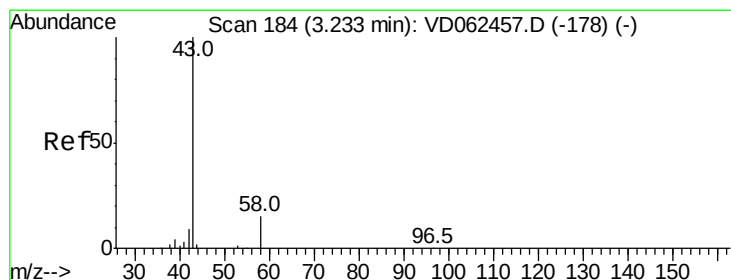
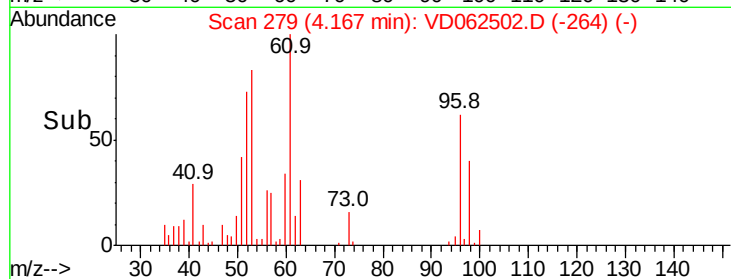
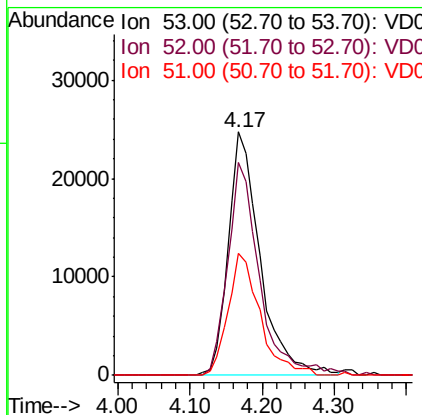
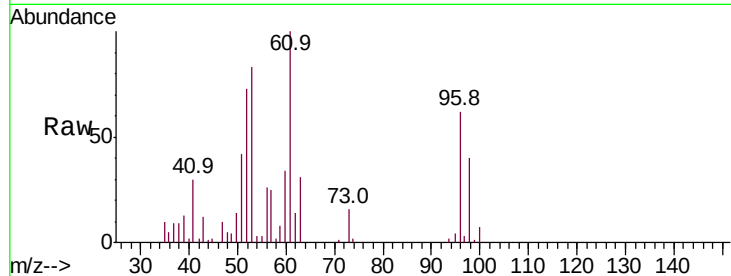
ClientSampleId :

VD0522SBS01

Tot Ion:	53	Resp:	76051
Ion Ratio	Lower	Upper	
53	100		
52	87.4	65.0	97.4
51	50.0	32.6	48.8#

Manual Integrations
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#16

Acetone

Concen: 110.134 ug/l

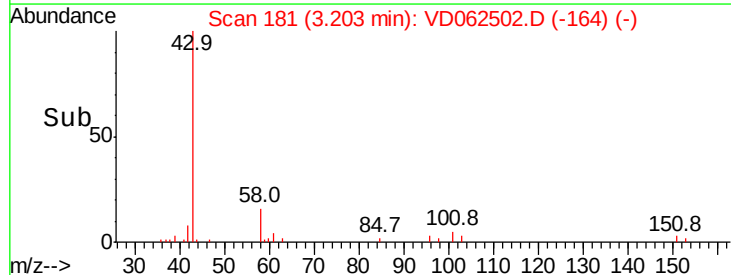
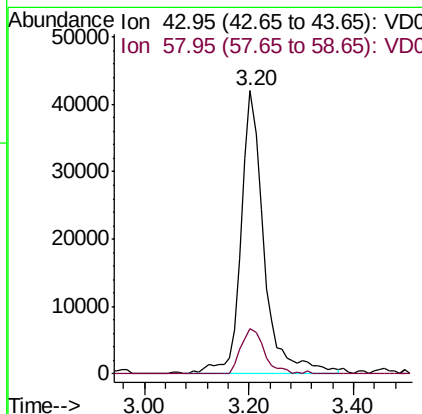
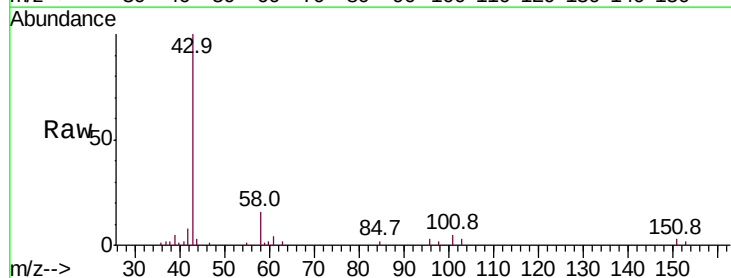
RT: 3.20 min Scan# 181

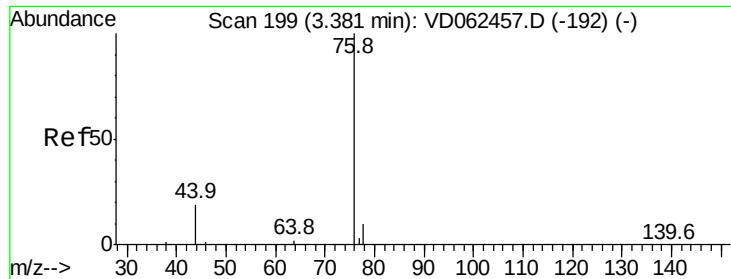
Delta R.T. -0.03 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Tgt Ion:	43	Resp:	124256
Ion Ratio	Lower	Upper	
43	100		
58	15.9	19.9	29.9#





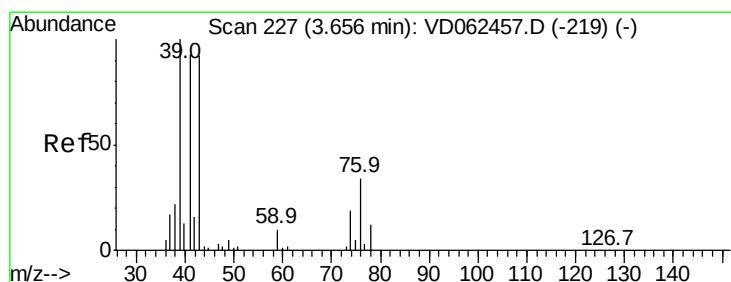
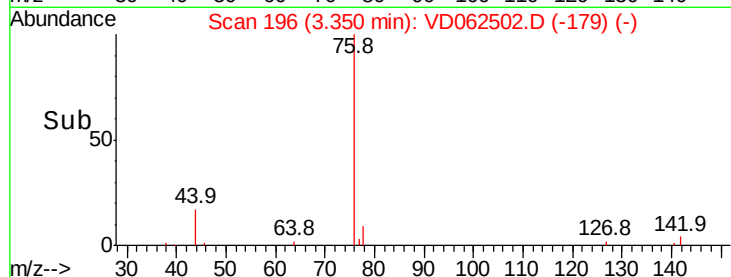
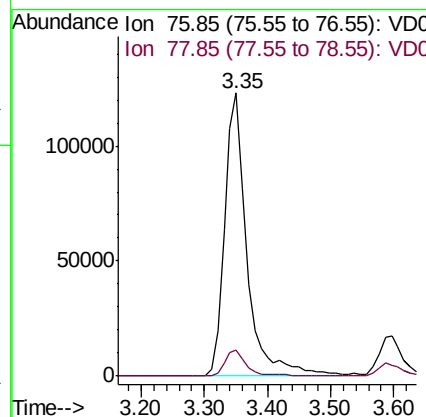
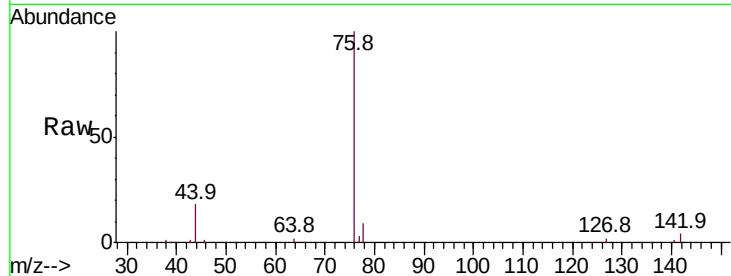
#17
Carbon Disulfide
Concen: 23.095 ug/l
RT: 3.35 min Scan# 196
Delta R.T. -0.03 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0522SBSD01

Tot Ion: 76 Resp: 304658
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

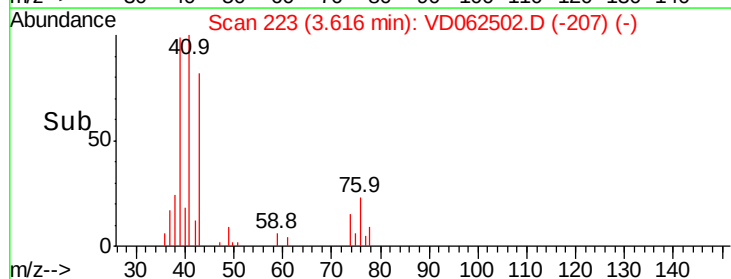
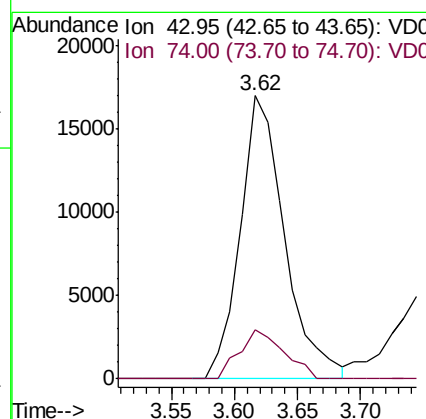
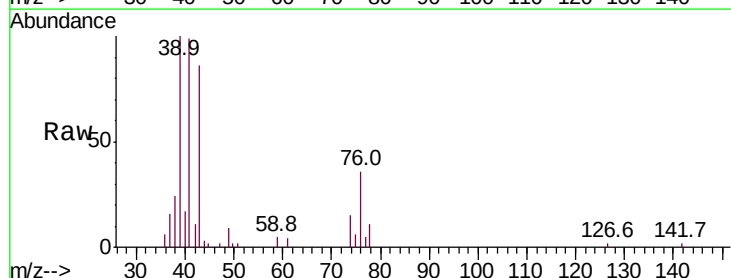
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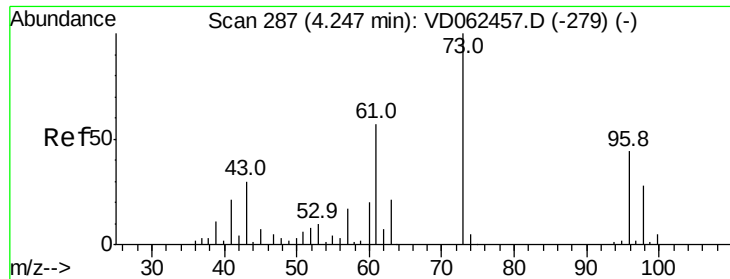
MMDadoda
5/23/2019 11:21:07 AM



#18
Methyl Acetate
Concen: 21.350 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.04 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion: 43 Resp: 41564
Ion Ratio Lower Upper
43 100
74 17.4 18.0 27.0#





#19

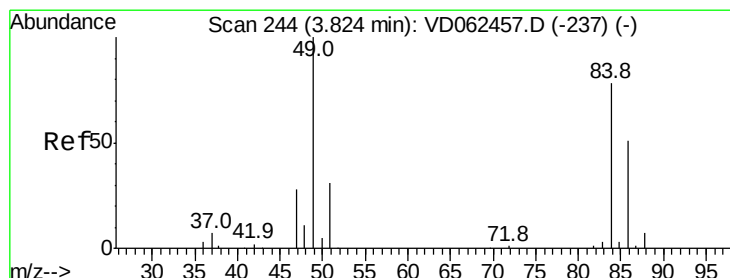
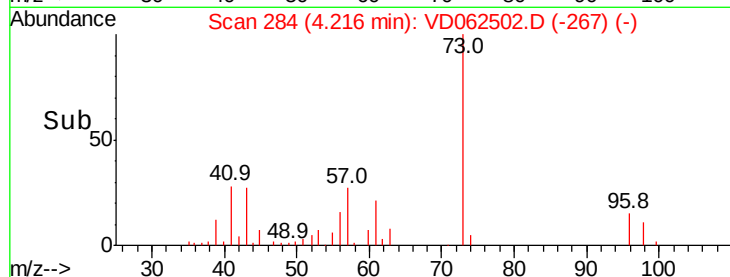
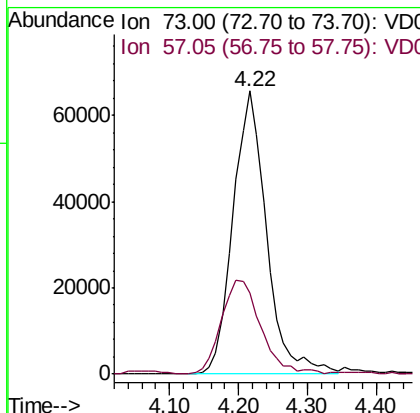
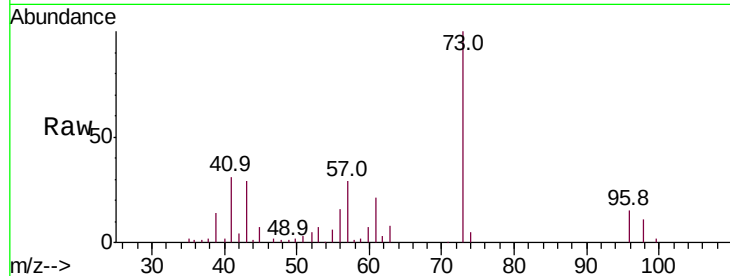
Methyl tert-butyl Ether
 Concen: 22.041 ug/l
 RT: 4.22 min Scan# 284
 Delta R.T. -0.03 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBS01

Tot Ion: 73 Resp: 221742
 Ion Ratio Lower Upper
 73 100
 57 28.8 16.3 24.5#

Manual Integrations
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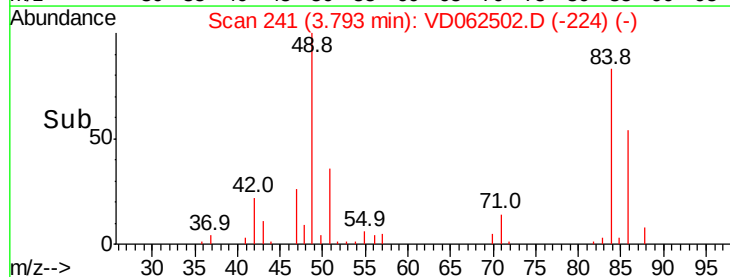
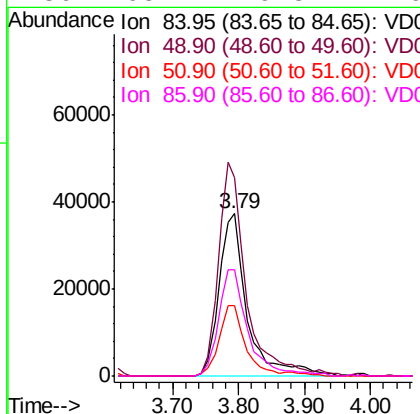
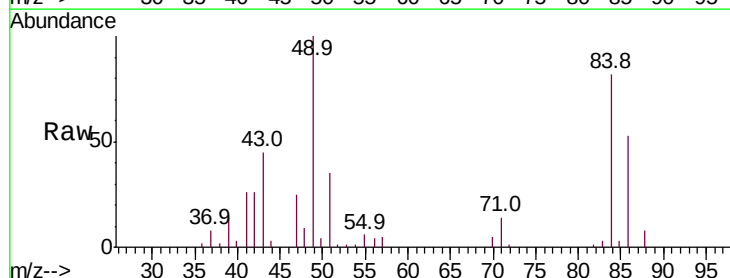
MMDadoda
 5/23/2019 11:21:07 AM

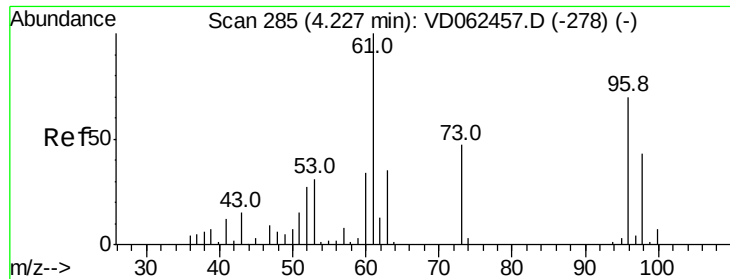


#20

Methylene Chloride
 Concen: 19.128 ug/l
 RT: 3.79 min Scan# 241
 Delta R.T. -0.03 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Tgt Ion: 84 Resp: 110667
 Ion Ratio Lower Upper
 84 100
 49 122.2 94.0 141.0
 51 43.1 29.0 43.4
 86 65.1 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 20.764 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.04 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBS01

Tot Ion: 96 Resp: 105881

Ion Ratio Lower Upper

96 100

61 153.5 104.4 156.6

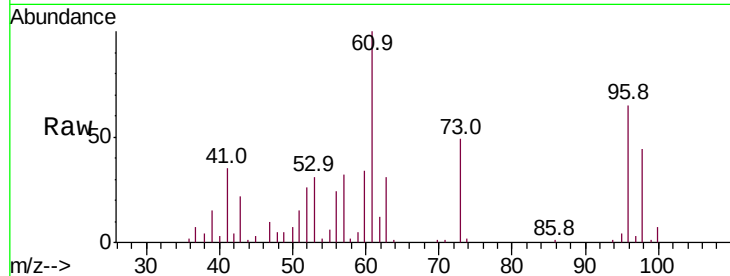
98 67.8 51.8 77.8

Manual Integrations

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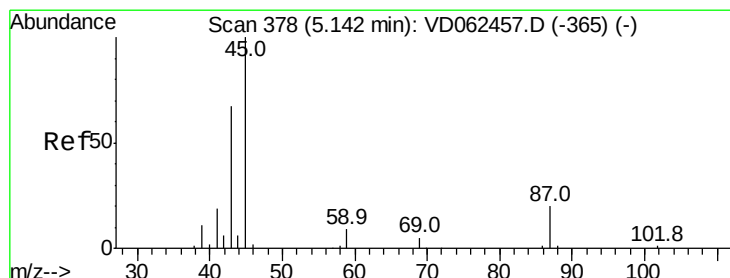
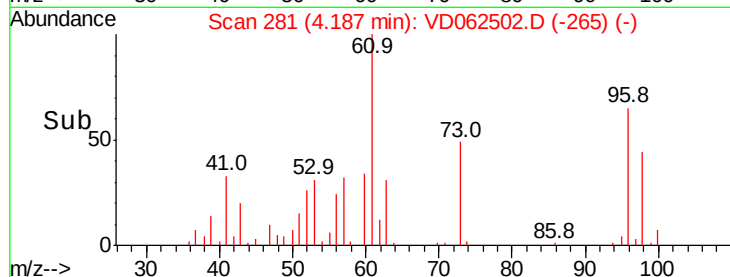
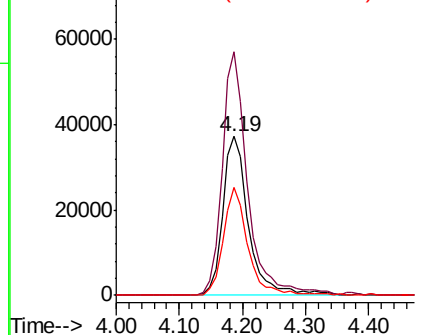
5/23/2019 11:21:07 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 23.526 ug/l

RT: 5.09 min Scan# 373

Delta R.T. -0.05 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Tgt Ion: 45 Resp: 321613

Ion Ratio Lower Upper

45 100

43 64.4 46.2 69.2

87 19.3 15.9 23.9

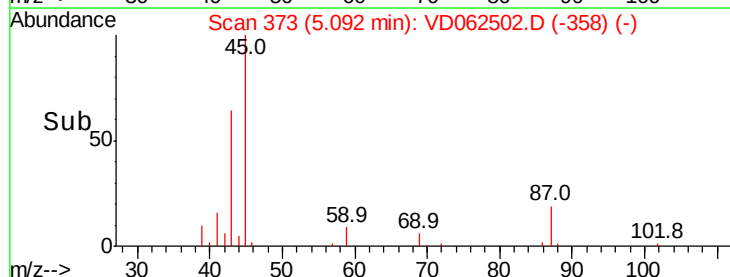
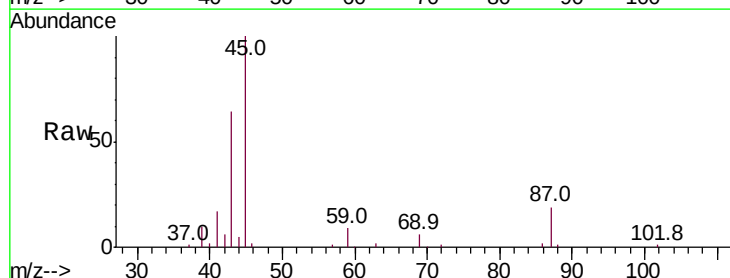
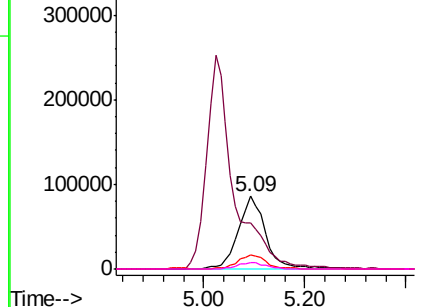
59 9.2 7.9 11.9

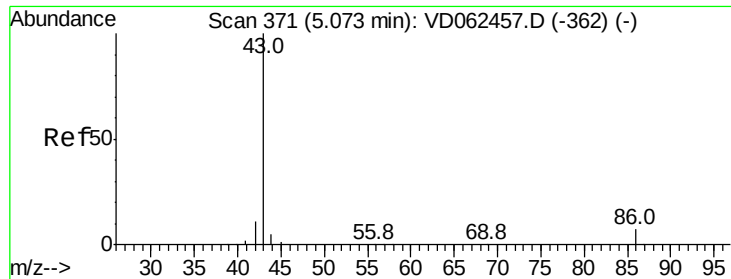
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 113.889 ug/l

RT: 5.02 min Scan# 366

Delta R.T. -0.05 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBS01

Tot Ion: 43 Resp: 940775

Ion Ratio Lower Upper

43 100

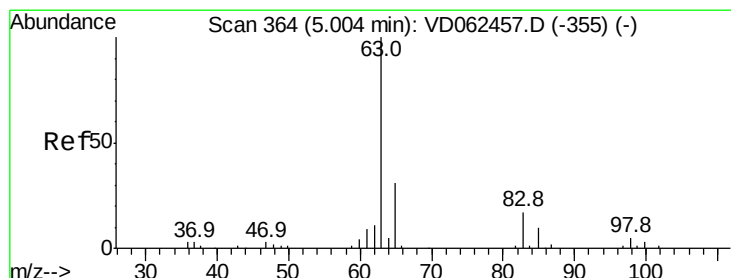
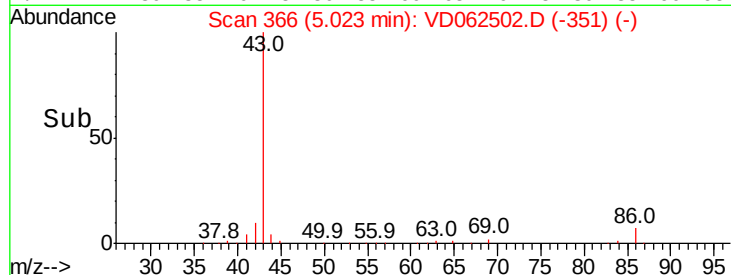
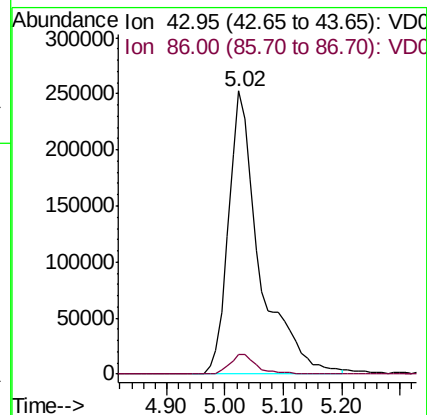
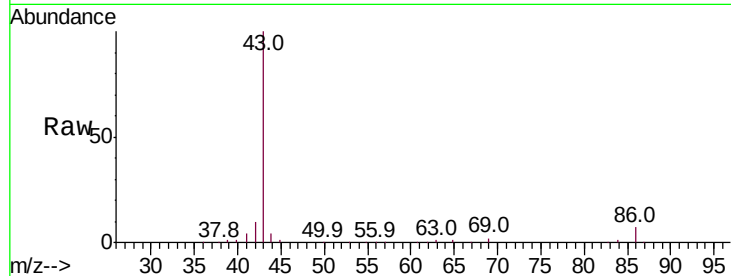
86 6.8 6.4 9.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 22.121 ug/l

RT: 4.94 min Scan# 358

Delta R.T. -0.06 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

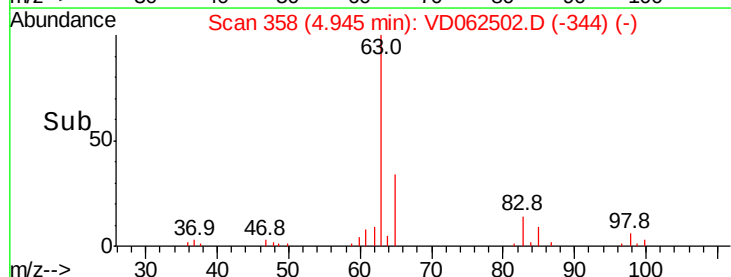
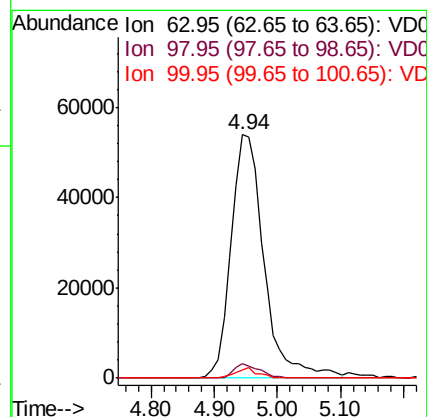
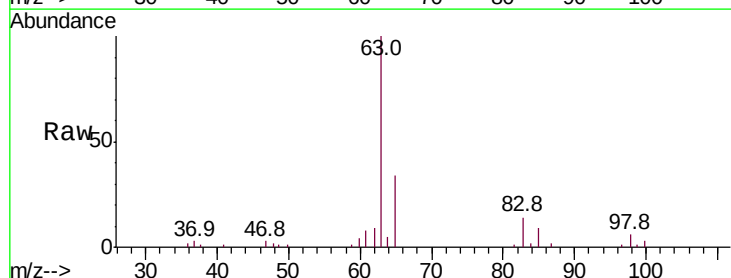
Tgt Ion: 63 Resp: 194757

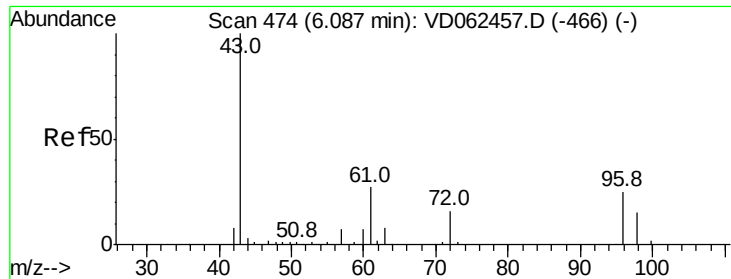
Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

100 3.3 1.8 5.5





#25

2-Butanone

Concen: 111.729 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.04 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBS01

Tot Ion: 43 Resp: 131842

Ion Ratio Lower Upper

43 100

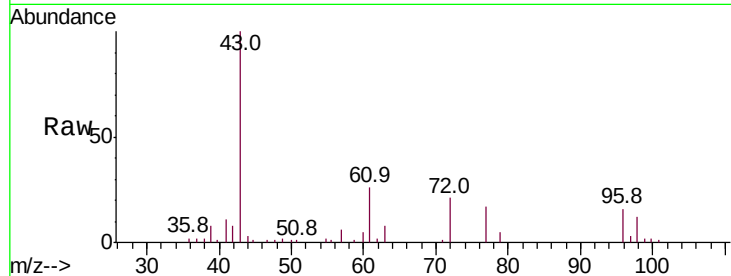
72 21.1 16.2 24.4

Manual Integrations

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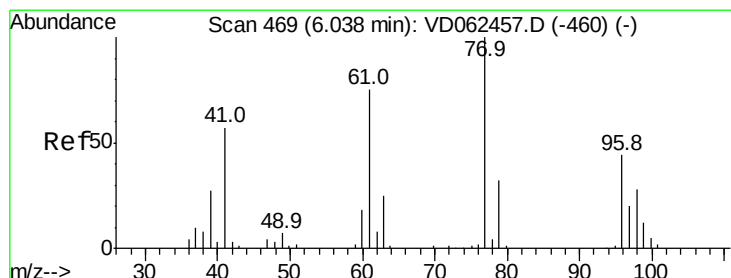
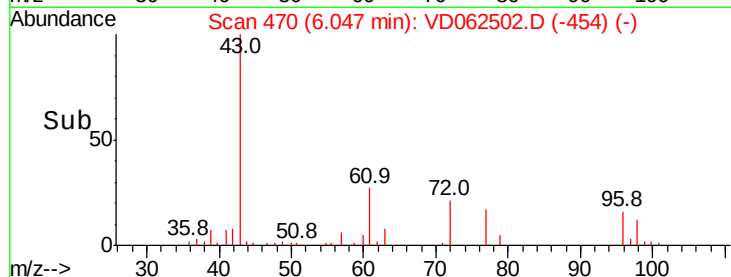
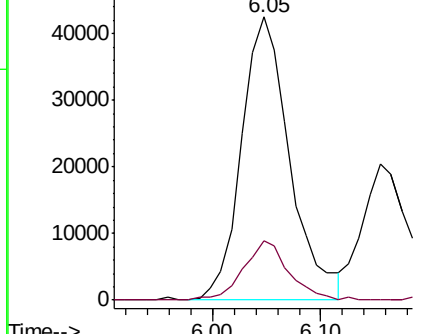
MMDadoda

5/23/2019 11:21:07 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.007 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.04 min

Lab File: VD062502.D

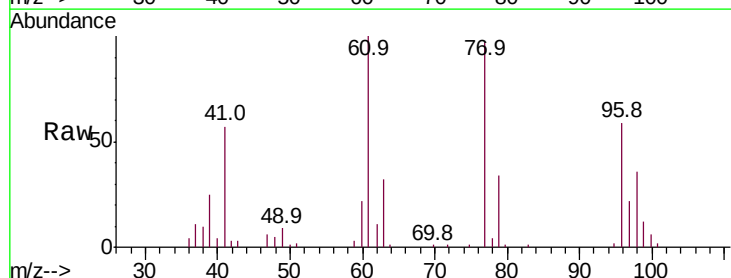
Acq: 22 May 2019 15:00

Tgt Ion: 77 Resp: 199371

Ion Ratio Lower Upper

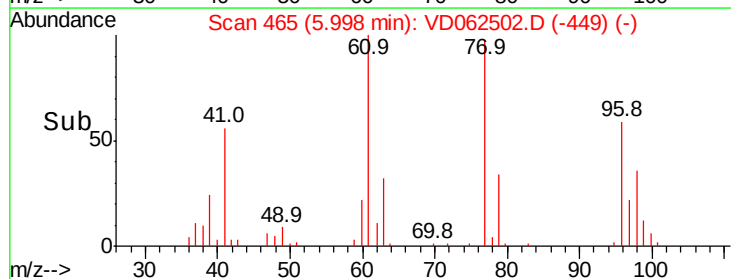
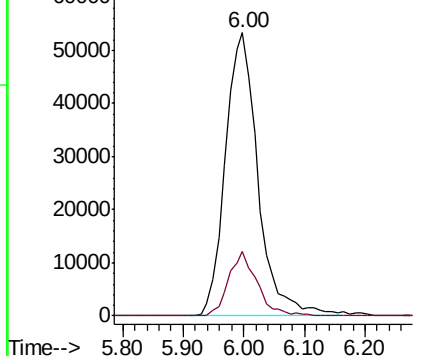
77 100

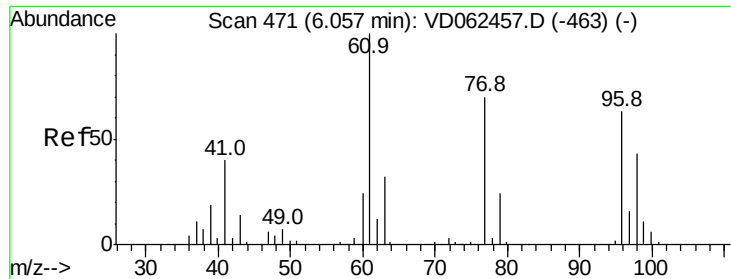
97 22.8 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

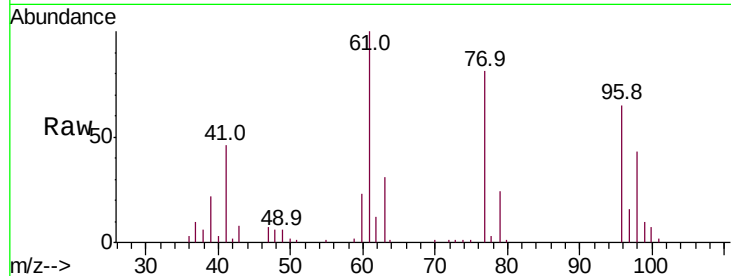
cis-1,2-Dichloroethene
 Concen: 20.736 ug/l
 RT: 6.01 min Scan# 466
 Delta R.T. -0.05 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBS01

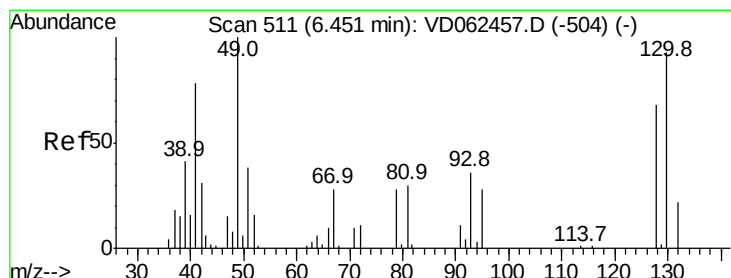
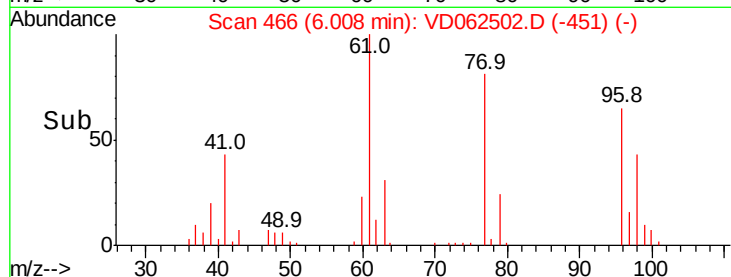
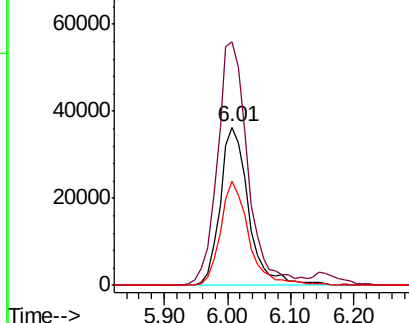
Tot Ion	Ratio	Resp	Lower	Upper
96	100	114015		
61	154.1	0.0	279.8	
98	66.3	0.0	136.0	

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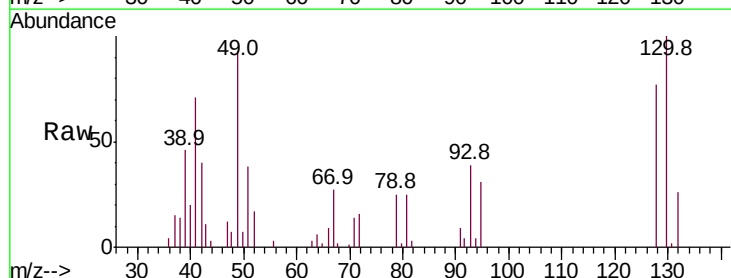
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



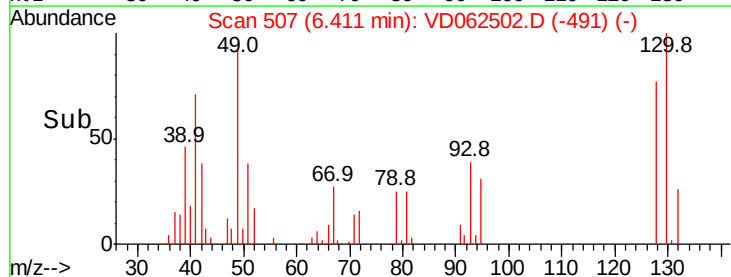
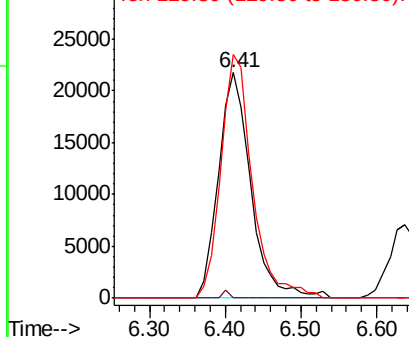
#28

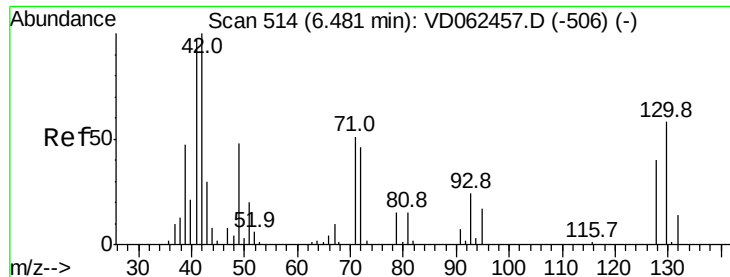
Bromochloromethane
 Concen: 20.360 ug/l
 RT: 6.41 min Scan# 507
 Delta R.T. -0.04 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	64336		
129	0.0	0.0	6.6	
130	108.0	86.7	130.1	



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





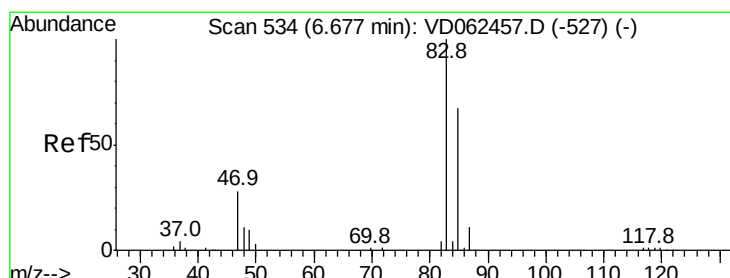
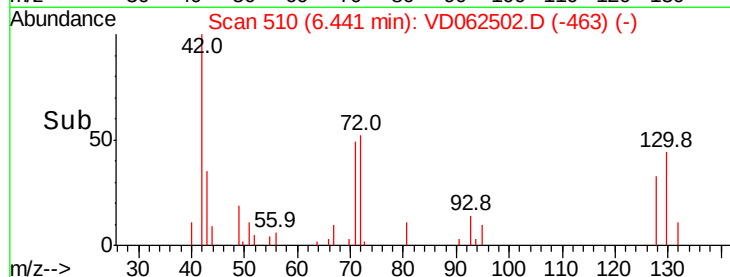
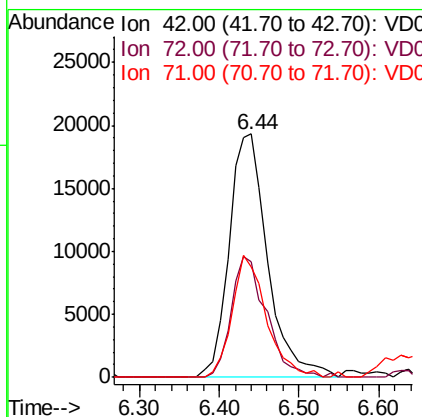
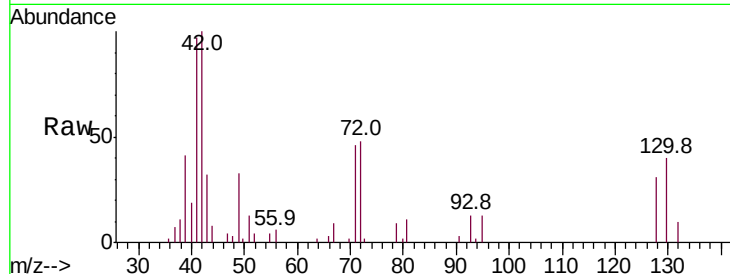
#29
Tetrahydrofuran
Concen: 115.101 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.04 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0522SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	37.8	56.6
71	44.7	36.7	55.1

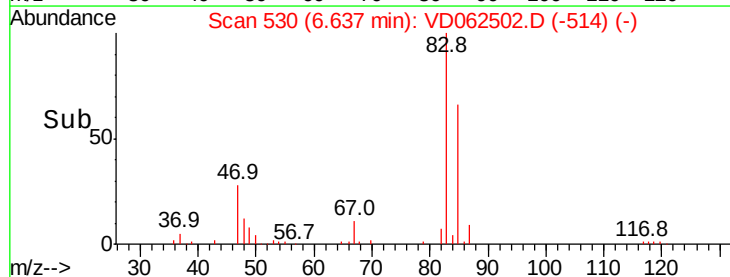
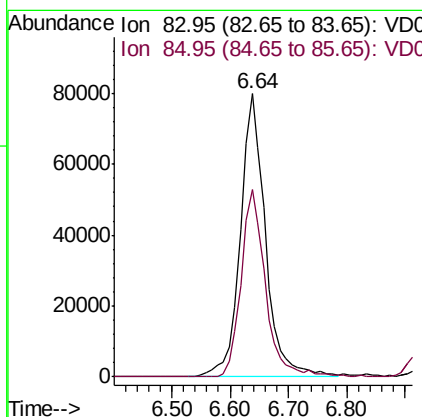
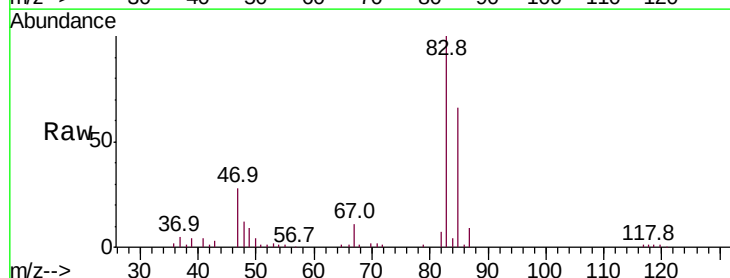
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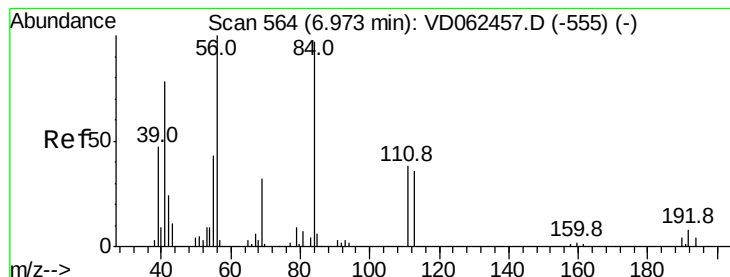
MMDadoda
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#30
Chloroform
Concen: 21.351 ug/l
RT: 6.64 min Scan# 530
Delta R.T. -0.04 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.7	77.5





#31

Cyclohexane

Concen: 28.964 ug/l

RT: 6.93 min Scan# 560

Delta R.T. -0.04 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBS01

Tot Ion: 56 Resp: 172178

Ion Ratio Lower Upper

56 100

69 25.5 25.8 38.6#

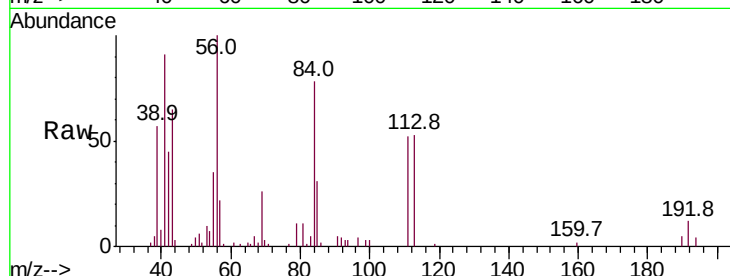
84 77.8 72.2 108.4

Manual Integrations

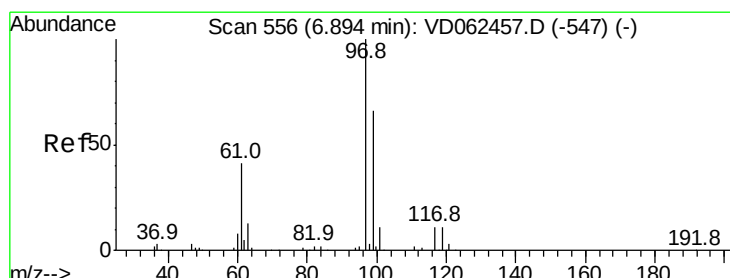
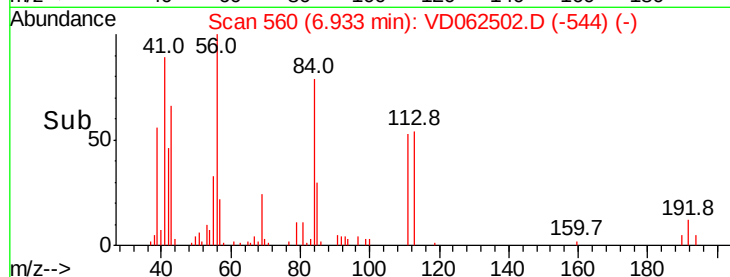
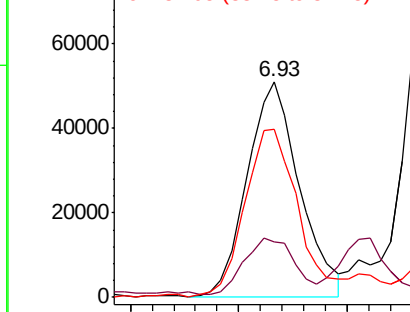
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Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 20.099 ug/l

RT: 6.84 min Scan# 551

Delta R.T. -0.05 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

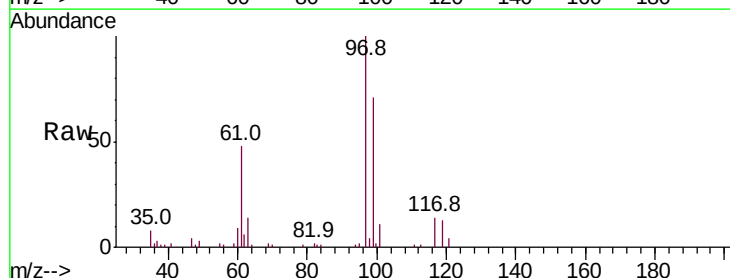
Tgt Ion: 97 Resp: 227770

Ion Ratio Lower Upper

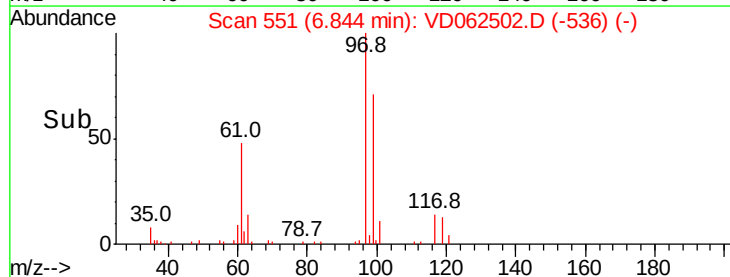
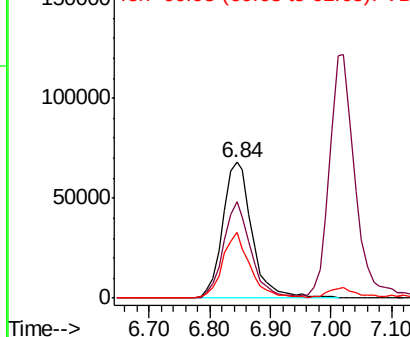
97 100

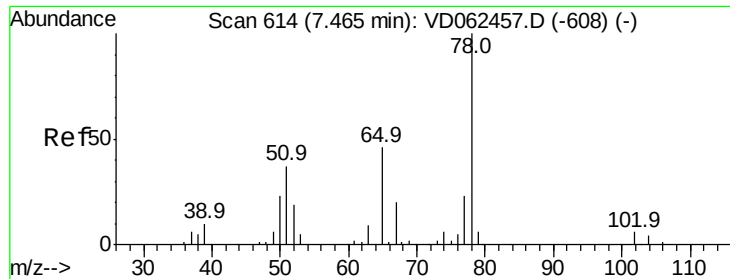
99 70.9 52.2 78.2

61 48.0 32.4 48.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





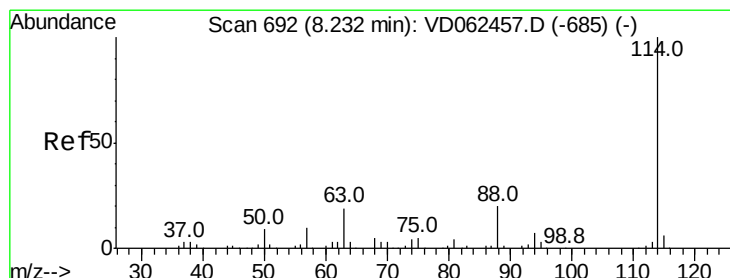
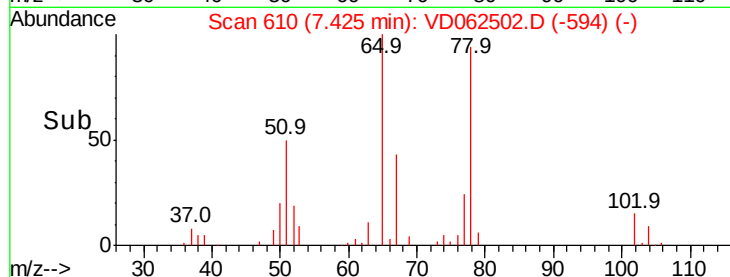
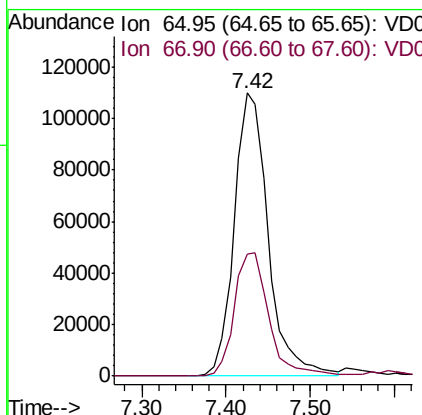
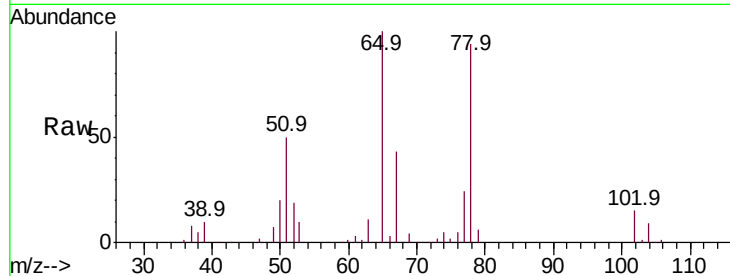
#33
 1,2-Dichloroethane-d4
 Concen: 49.067 ug/l
 RT: 7.42 min Scan# 610
 Delta R.T. -0.04 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	308921		
67	43.3	0.0	98.0	

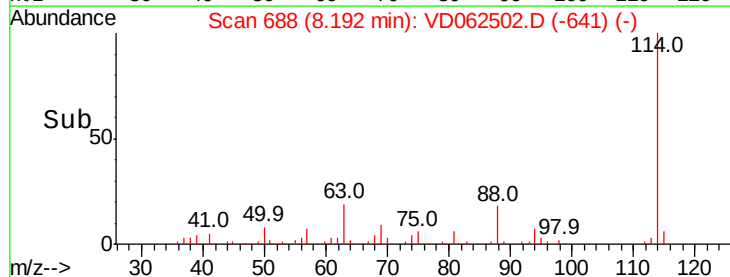
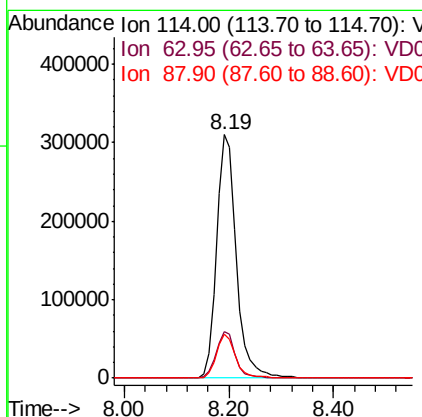
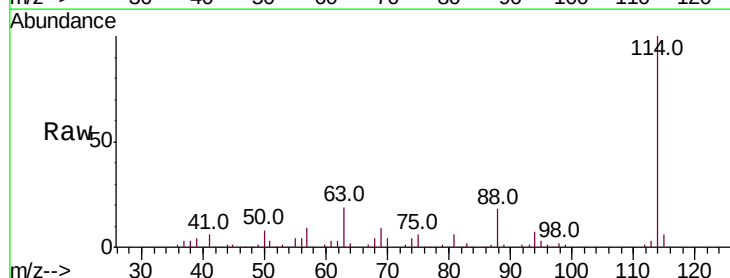
Manual Integrations
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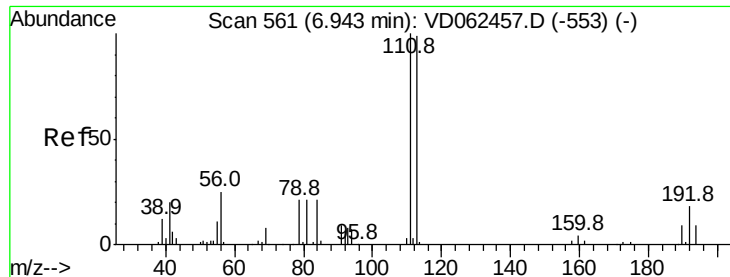
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 688
 Delta R.T. -0.04 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	810770		
63	19.3	0.0	32.4	
88	17.9	0.0	33.6	





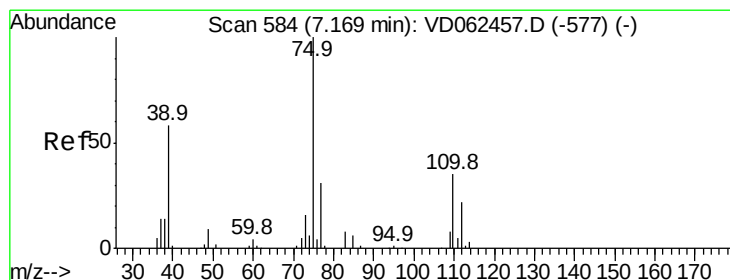
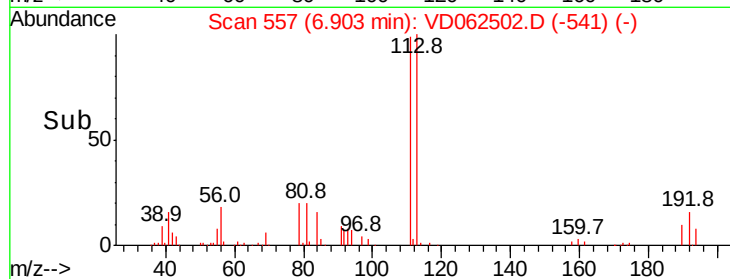
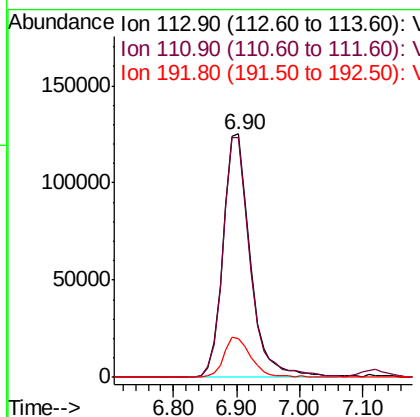
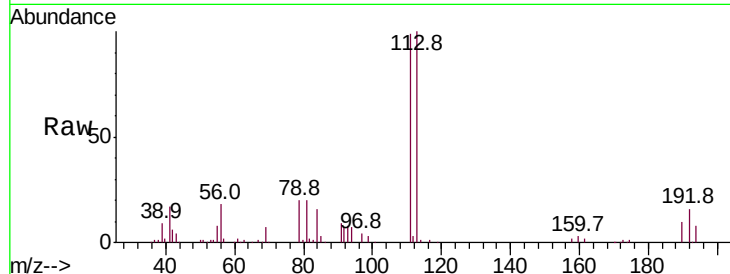
#35
 Dibromofluoromethane
 Concen: 51.222 ug/l
 RT: 6.90 min Scan# 557
 Delta R.T. -0.04 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	98.7	78.5	117.7	
192	15.8	13.0	19.4	

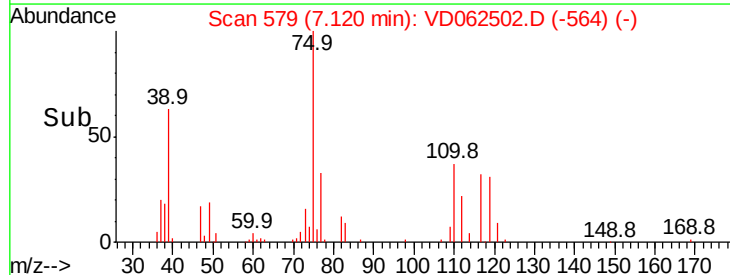
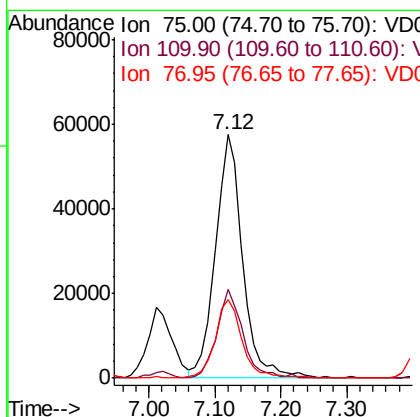
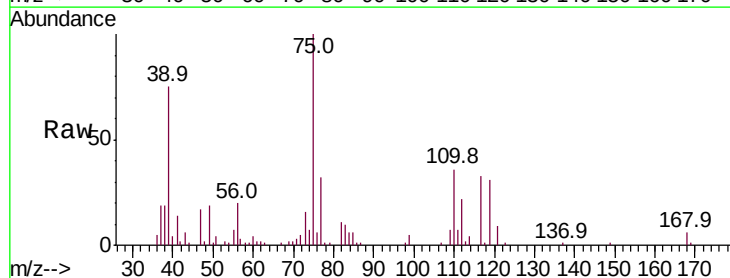
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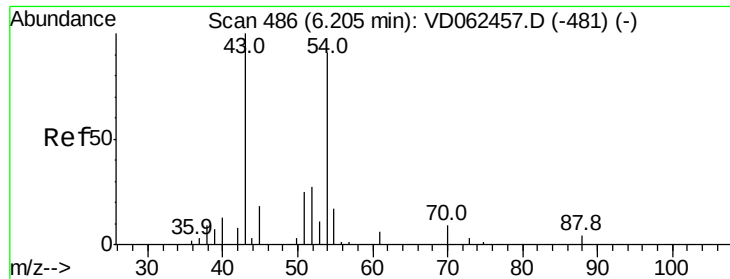
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 21.216 ug/l
 RT: 7.12 min Scan# 579
 Delta R.T. -0.05 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.2	19.1	57.1	
77	32.3	25.6	38.4	





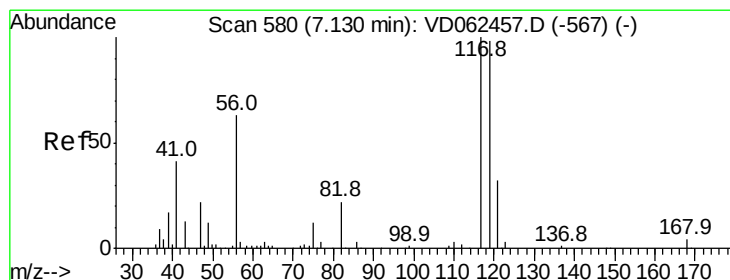
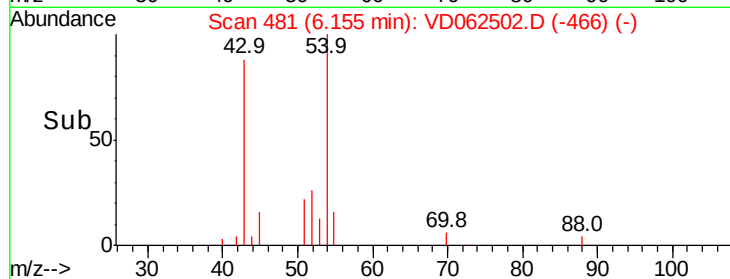
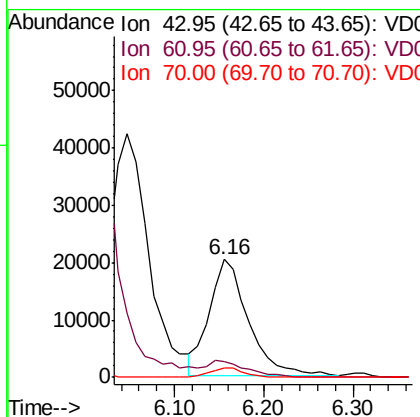
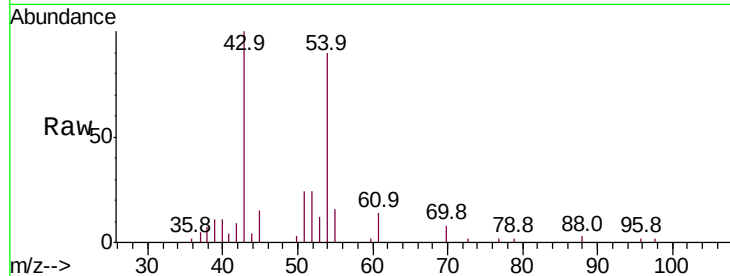
#37
Ethyl Acetate
Concen: 20.626 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.05 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0522SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	14.7	22.1#
70	8.1	7.8	11.6

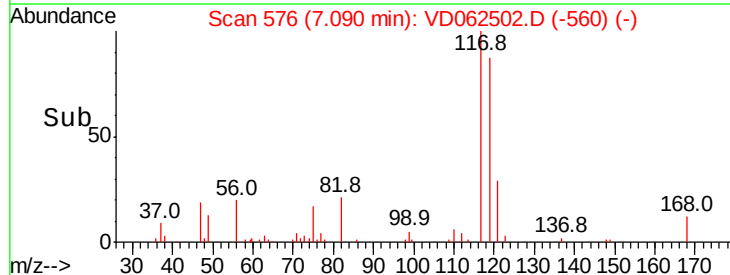
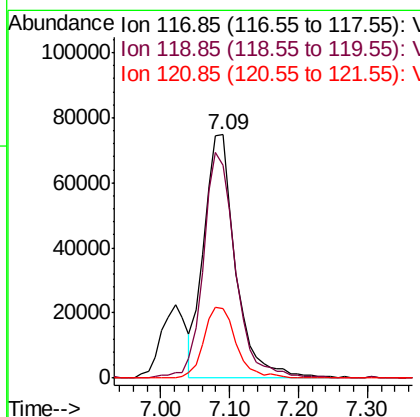
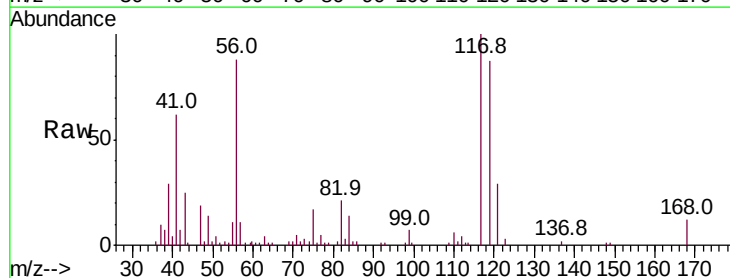
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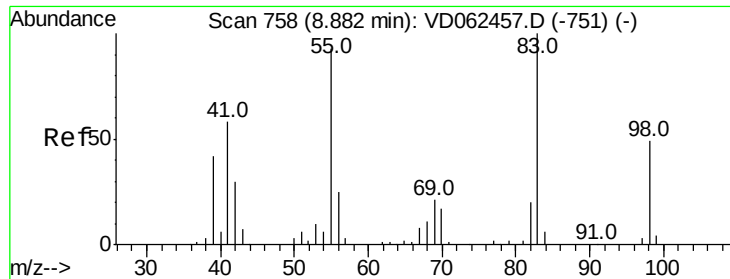
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.810 ug/l
RT: 7.09 min Scan# 576
Delta R.T. -0.04 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.4	75.8	113.8
121	28.6	25.9	38.9





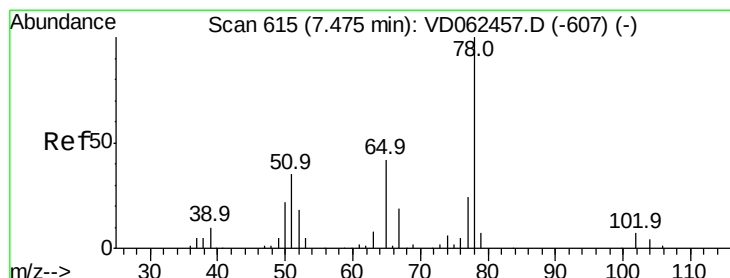
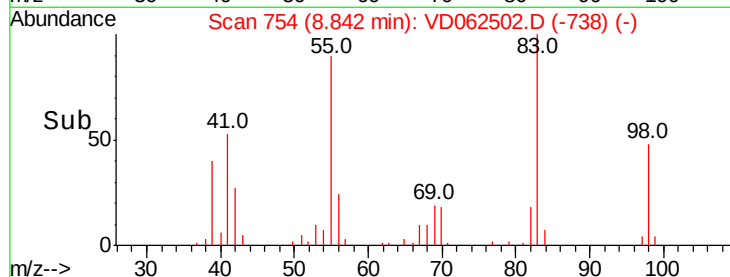
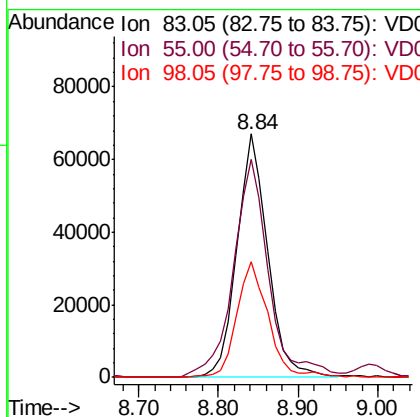
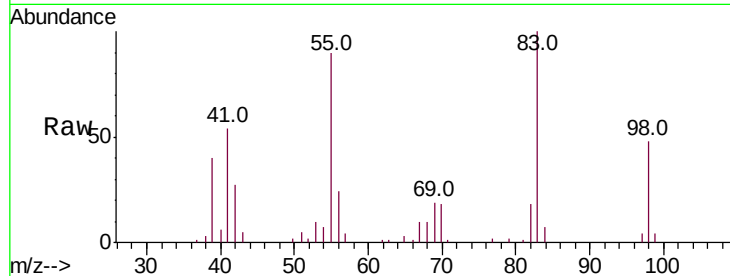
#39
Methylvlcyclohexane
Concen: 28.001 ug/l
RT: 8.84 min Scan# 754
Delta R.T. -0.04 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0522SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.6	68.2	102.4
98	47.6	38.2	57.4

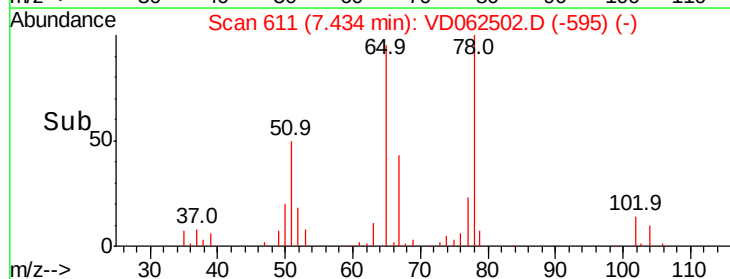
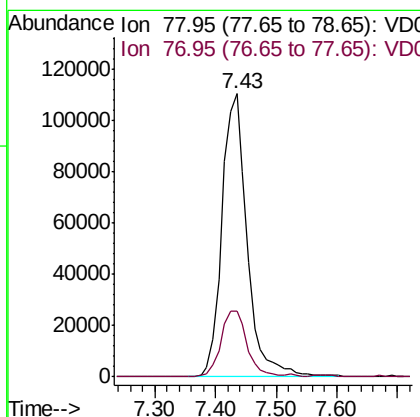
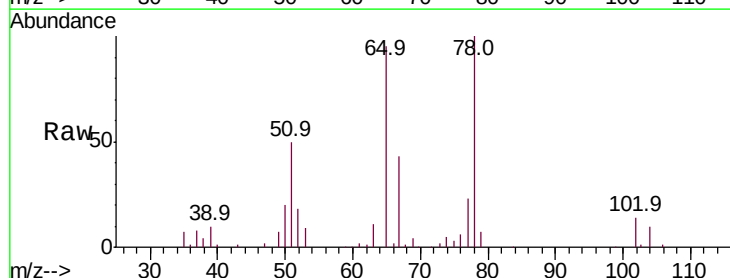
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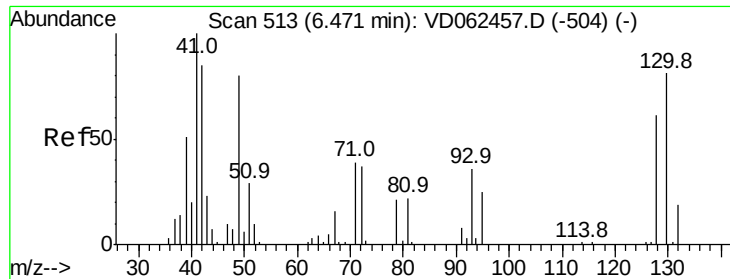
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#40
Benzene
Concen: 21.004 ug/l
RT: 7.43 min Scan# 611
Delta R.T. -0.04 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.7	29.5





#41

Methacrylonitrile

Concen: 22.377 ug/l

RT: 6.42 min Scan# 508

Delta R.T. -0.05 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBS01

Tot Ion: 41 Resp: 84631

Ion Ratio Lower Upper

41 100

39 59.3 34.1 51.1#

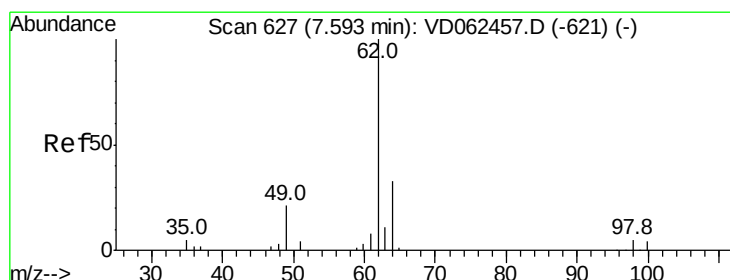
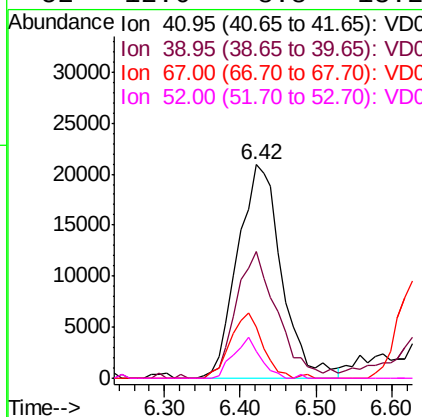
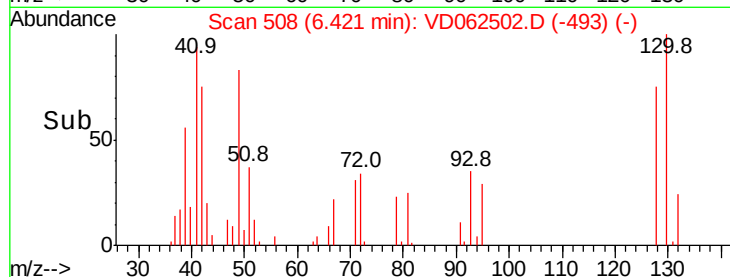
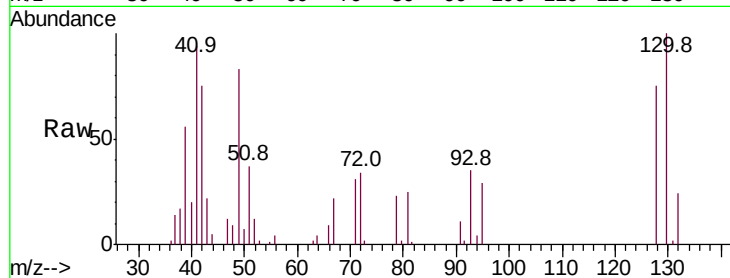
67 23.9 23.8 35.6

52 12.6 8.8 13.2

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 21.462 ug/l

RT: 7.55 min Scan# 623

Delta R.T. -0.04 min

Lab File: VD062502.D

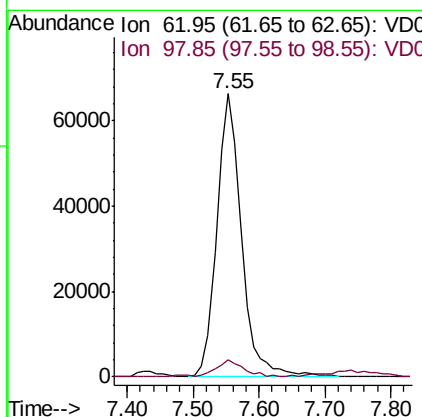
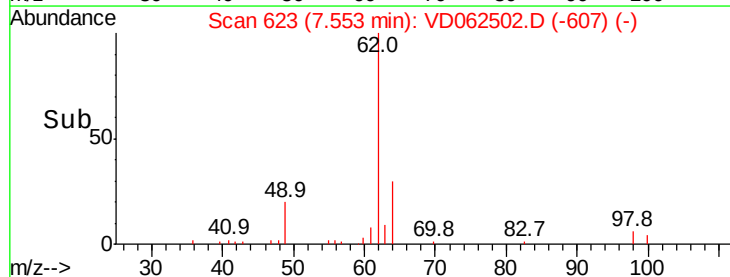
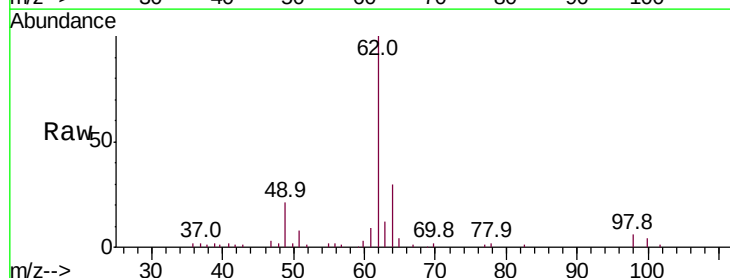
Acq: 22 May 2019 15:00

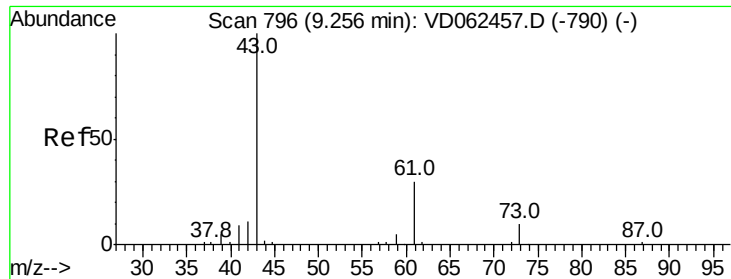
Tgt Ion: 62 Resp: 172800

Ion Ratio Lower Upper

62 100

98 6.0 0.0 17.8





#43

Isopropyl Acetate

Concen: 21.817 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.03 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

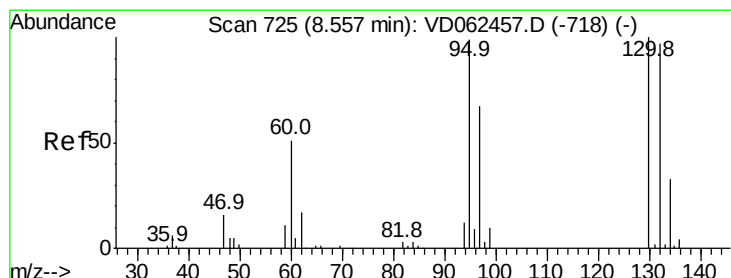
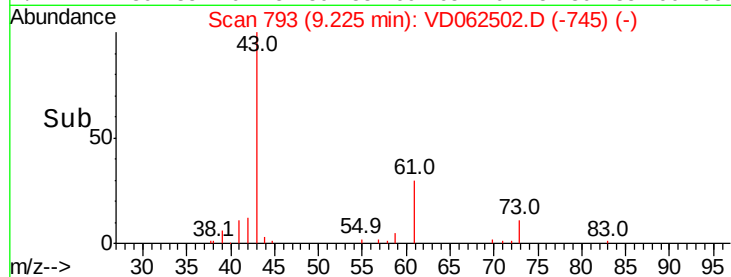
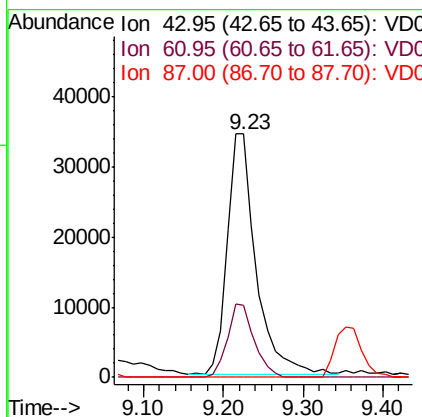
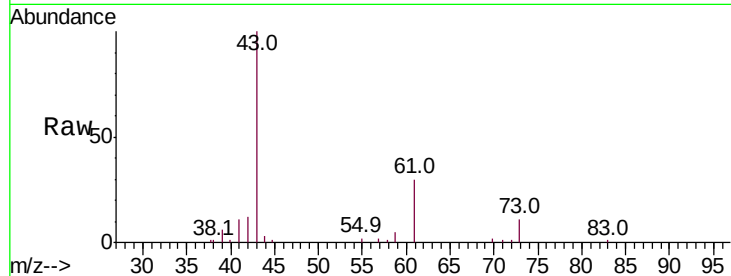
ClientSampleId :

VD0522SBS01

Tot Ion:	43	Resp:	87156
Ion	Ratio	Lower	Upper
43	100		
61	29.6	25.1	37.7
87	0.0	0.0	0.0

Manual Integrations
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#44

Trichloroethene

Concen: 22.627 ug/l

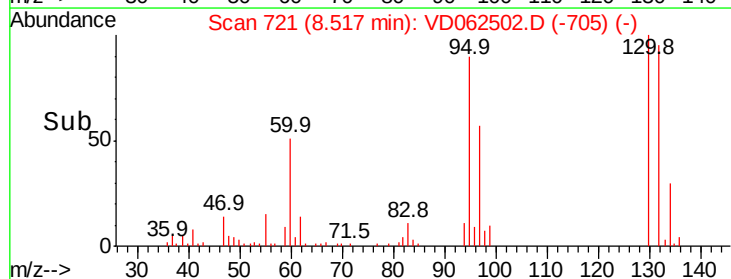
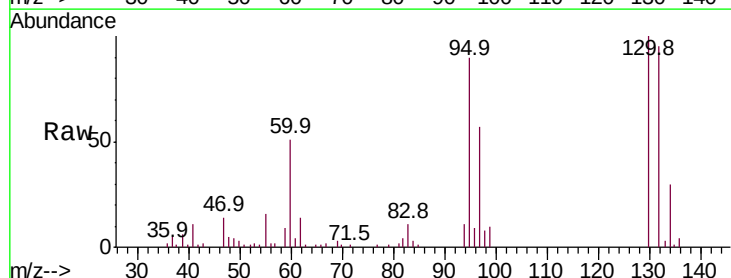
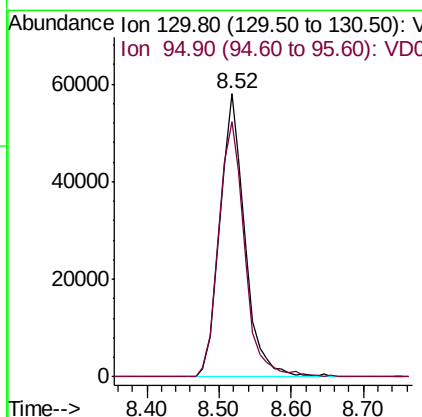
RT: 8.52 min Scan# 721

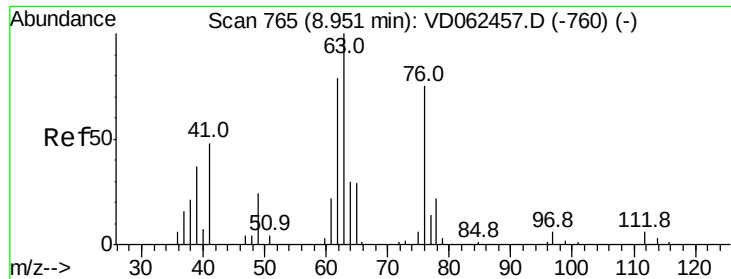
Delta R.T. -0.04 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Tgt Ion:	130	Resp:	137752
Ion	Ratio	Lower	Upper
130	100		
95	90.2	0.0	174.0





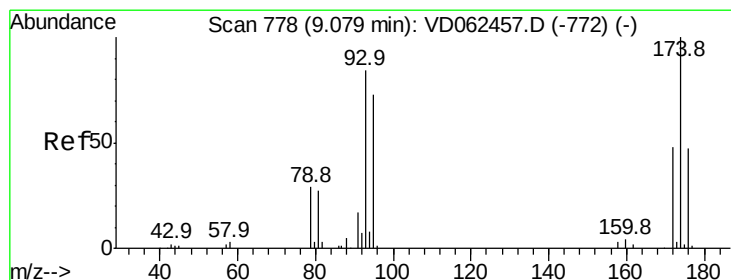
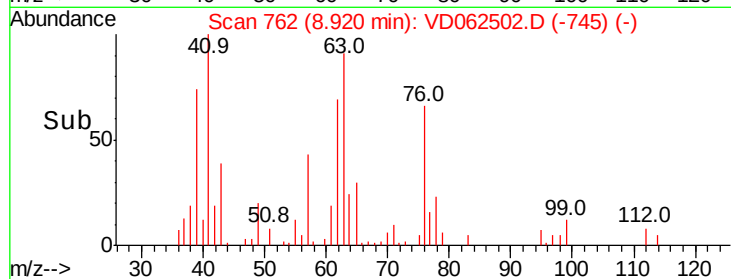
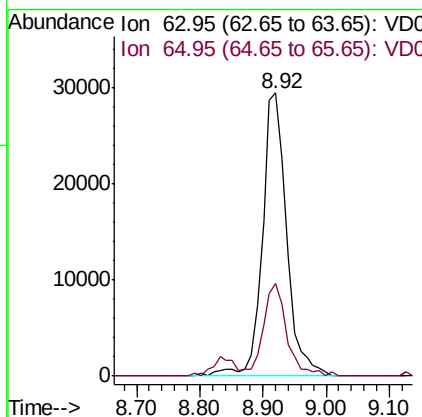
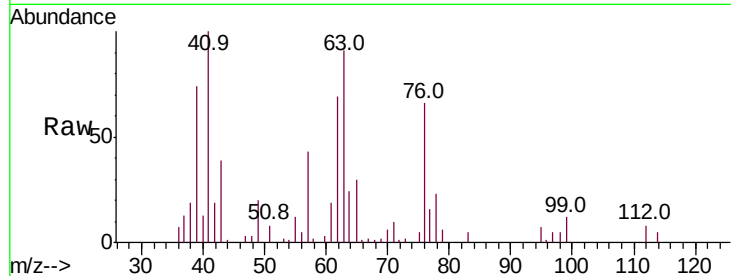
#45
1,2-Dichloropropane
Concen: 21.397 ug/l
RT: 8.92 min Scan# 762
Delta R.T. -0.03 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0522SBS01

Tot Ion: 63 Resp: 79282
Ion Ratio Lower Upper
63 100
65 32.8 23.8 35.6

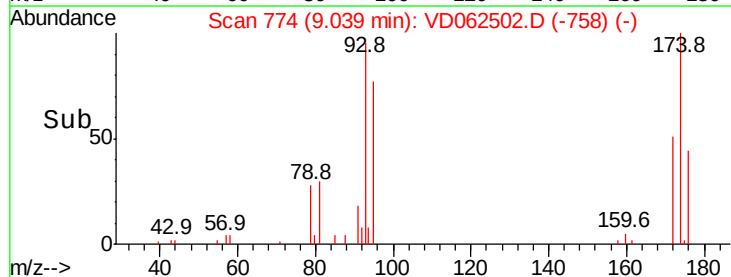
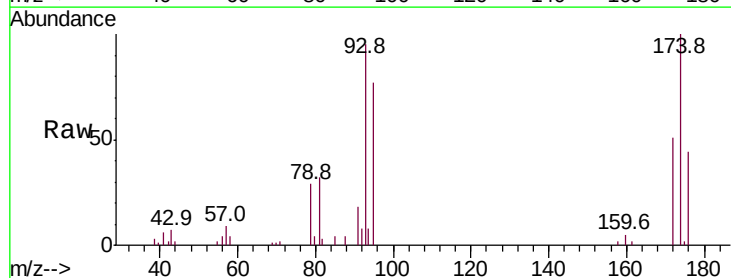
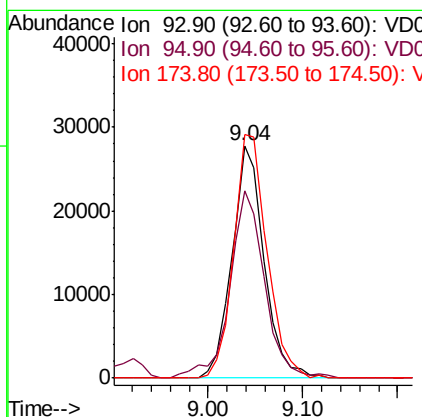
Manual Integrations
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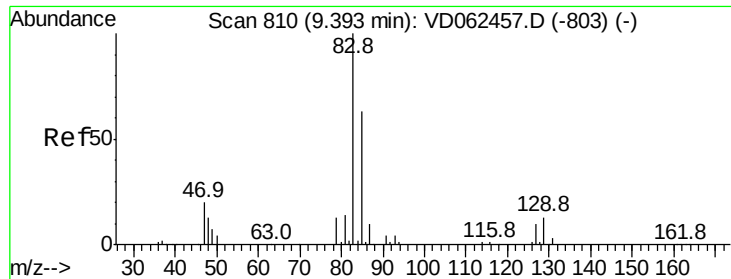
MMDadoda
5/23/2019 11:21:07 AM



#46
Dibromomethane
Concen: 19.386 ug/l
RT: 9.04 min Scan# 774
Delta R.T. -0.04 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion: 93 Resp: 65113
Ion Ratio Lower Upper
93 100
95 80.3 64.8 97.2
174 104.7 79.3 118.9





#47

Bromodichloromethane

Concen: 21.944 ug/l

RT: 9.35 min Scan# 806

Delta R.T. -0.04 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

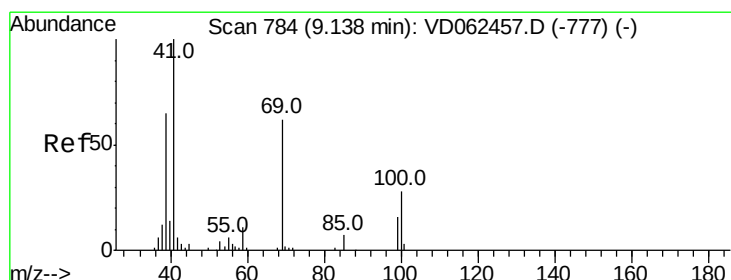
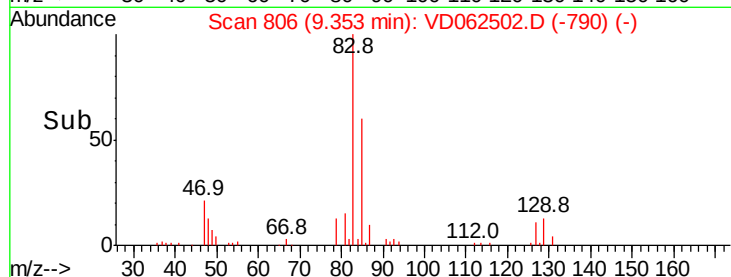
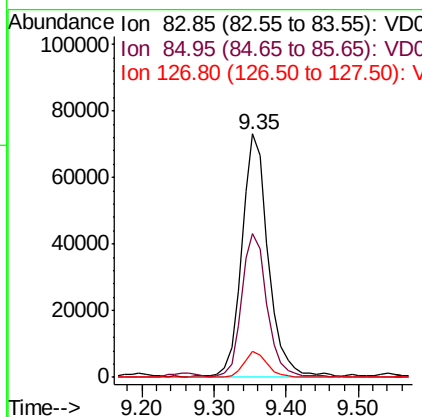
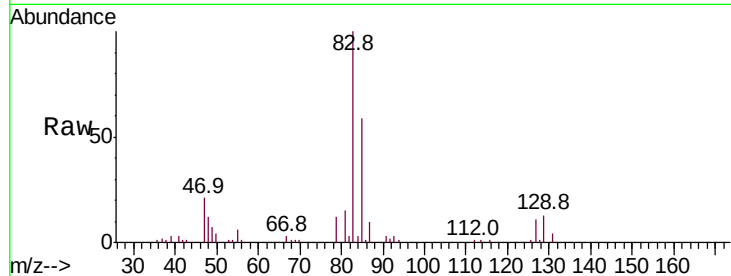
ClientSampleId :

VD0522SBS01

Tot Ion:	83	Resp:	187501
Ion Ratio	Lower	Upper	
83	100		
85	59.1	50.9	76.3
127	10.6	8.1	12.1

Manual Integrations
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MMDadoda
5/23/2019 11:21:07 AM



#48

Methyl methacrylate

Concen: 22.777 ug/l

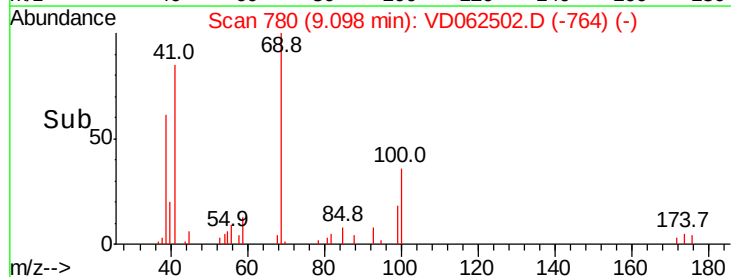
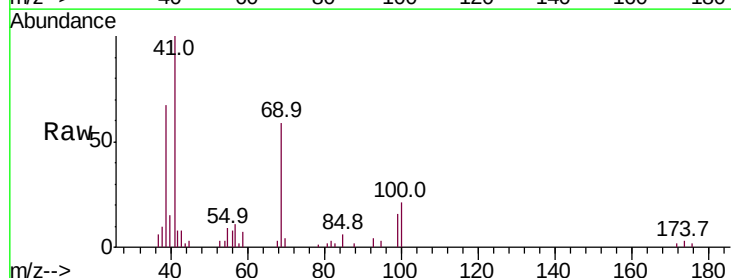
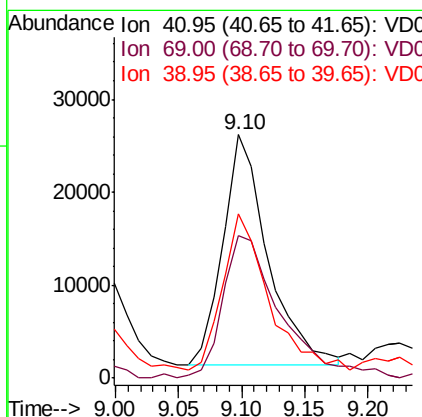
RT: 9.10 min Scan# 780

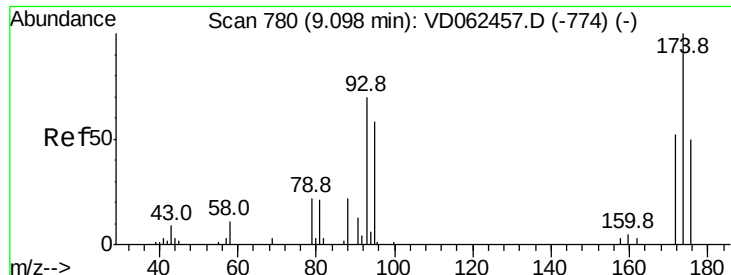
Delta R.T. -0.04 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Tgt Ion:	41	Resp:	61233
Ion Ratio	Lower	Upper	
41	100		
69	58.7	64.2	96.2#
39	67.4	46.8	70.2





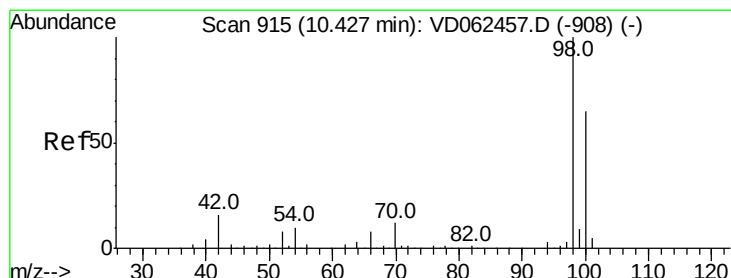
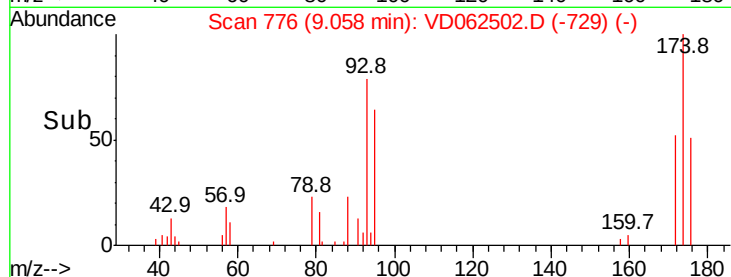
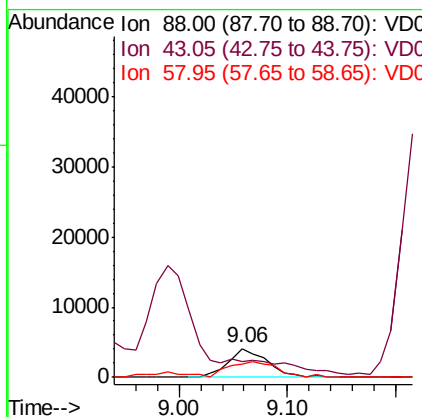
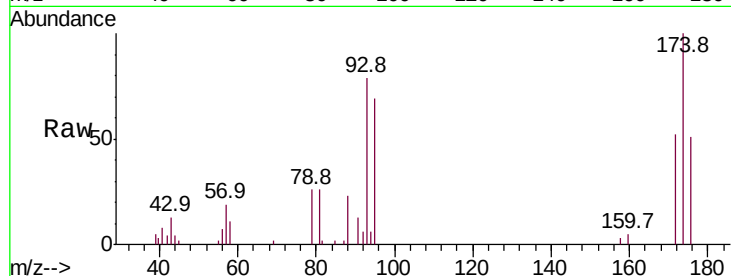
#49
1,4-Dioxane
Concen: 429.967 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.04 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0522SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	56.4	23.4	35.0#
58	46.9	44.0	66.0

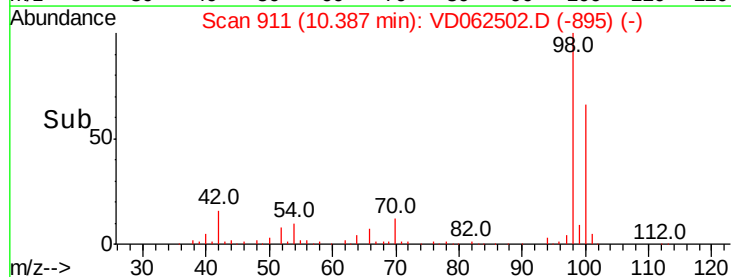
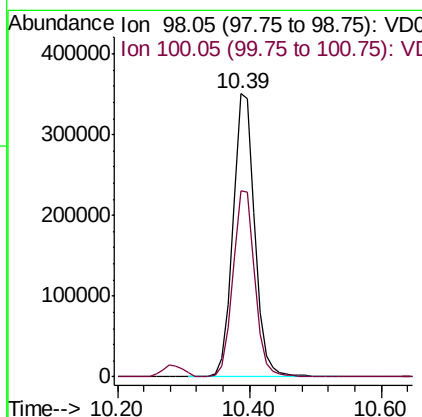
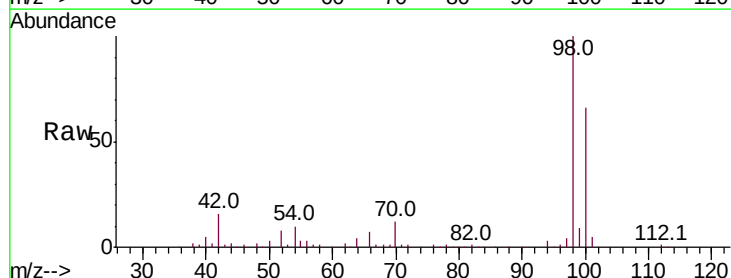
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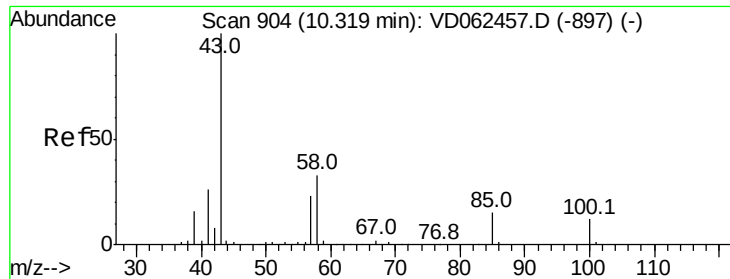
MMDadoda
5/23/2019 11:21:07 AM



#50
Toluene-d8
Concen: 50.820 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.04 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.8	80.8





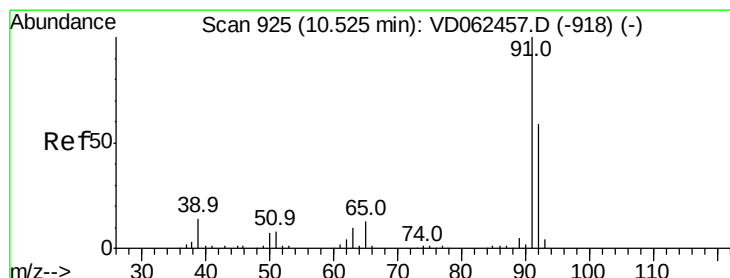
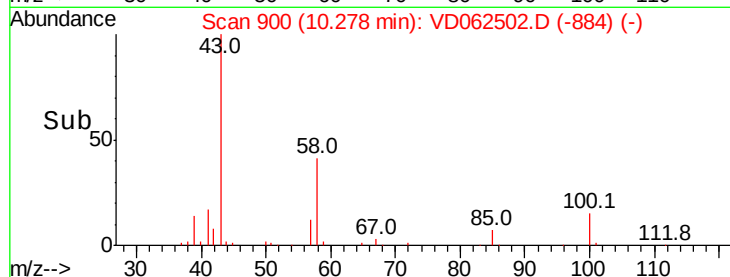
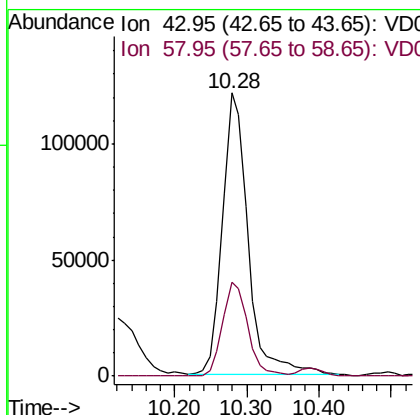
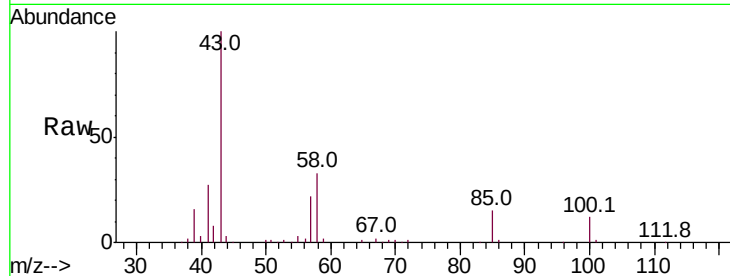
#51
4-Methyl-2-Pentanone
Concen: 112.935 ug/l
RT: 10.28 min Scan# 900
Delta R.T. -0.04 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0522SBS01

Tot Ion: 43 Resp: 298044
Ion Ratio Lower Upper
43 100
58 33.0 30.4 45.6

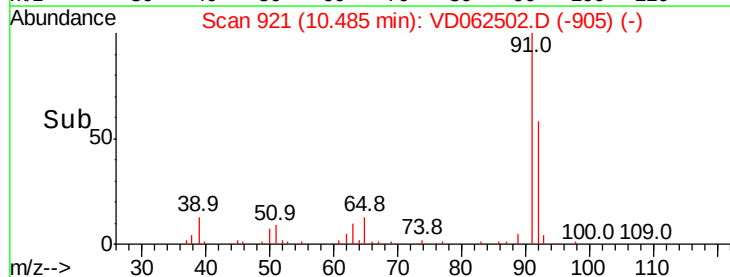
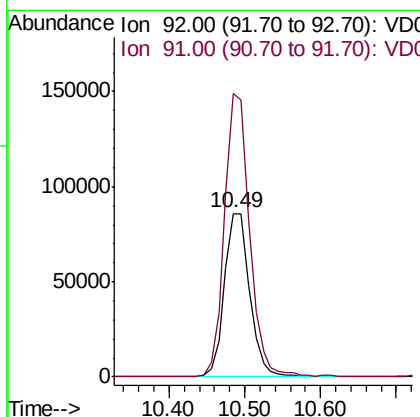
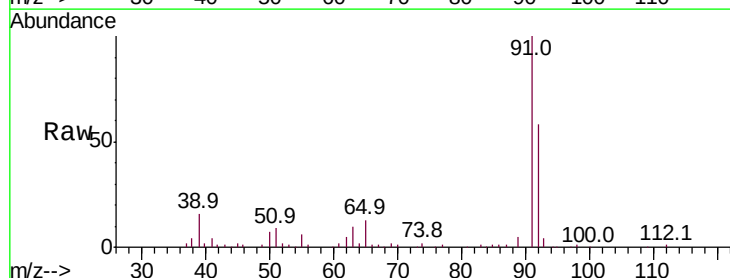
Manual Integrations
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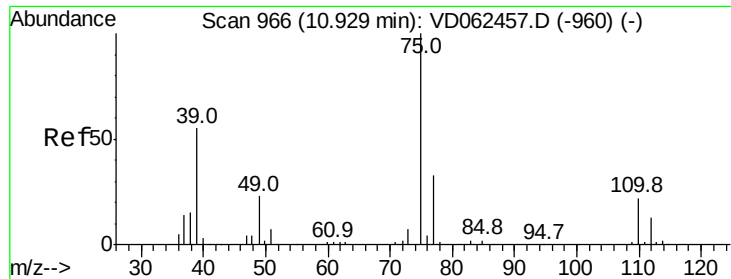
MMDadoda
5/23/2019 11:21:07 AM



#52
Toluene
Concen: 19.044 ug/l
RT: 10.49 min Scan# 921
Delta R.T. -0.04 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion: 92 Resp: 198228
Ion Ratio Lower Upper
92 100
91 173.1 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 20.256 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.03 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBS01

Tot Ion: 75 Resp: 144095

Ion Ratio Lower Upper

75 100

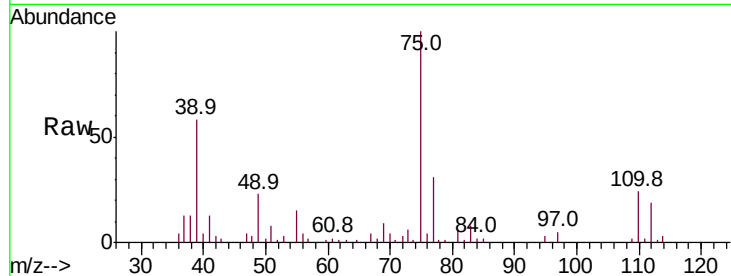
77 31.2 25.8 38.8

Manual Integrations

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MMDadoda

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.90

80000

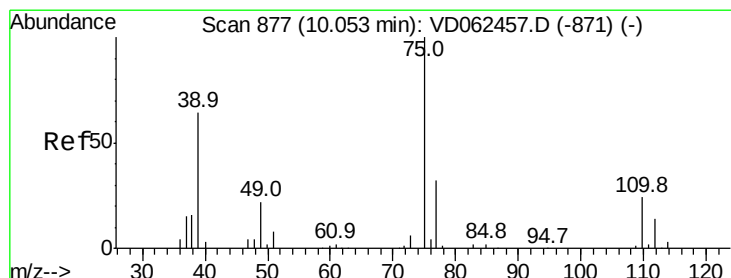
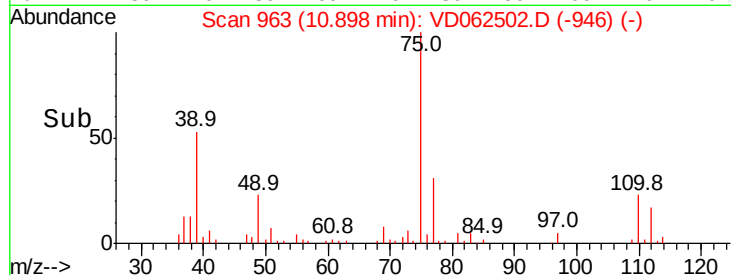
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 23.213 ug/l

RT: 10.02 min Scan# 874

Delta R.T. -0.03 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

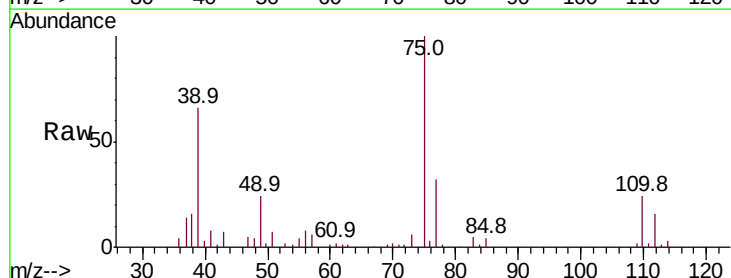
Tgt Ion: 75 Resp: 172306

Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

39 66.3 39.4 59.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

100000

80000

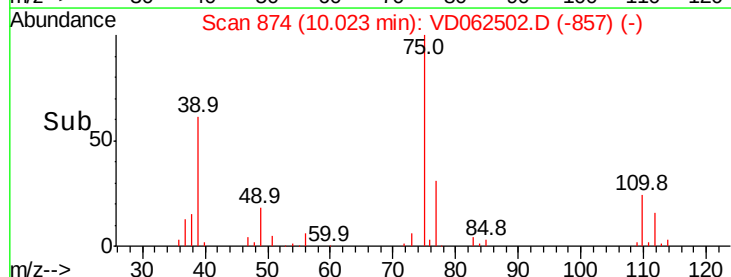
60000

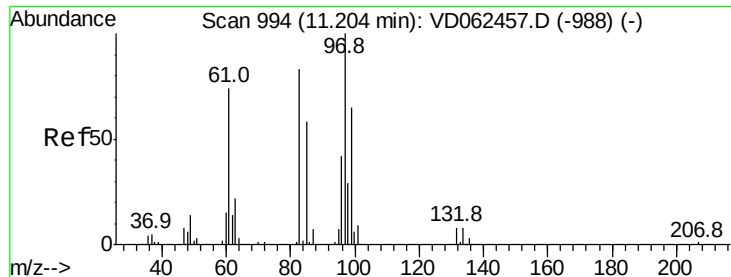
40000

20000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 22.721 ug/l

RT: 11.17 min Scan# 991

Delta R.T. -0.03 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

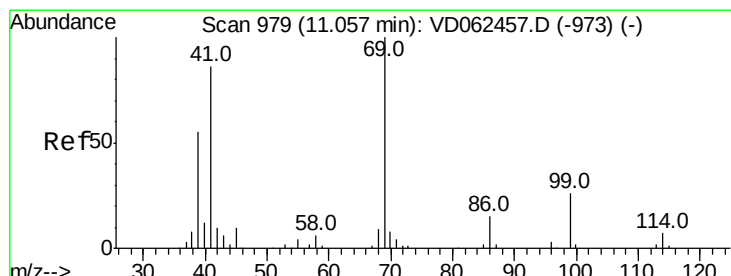
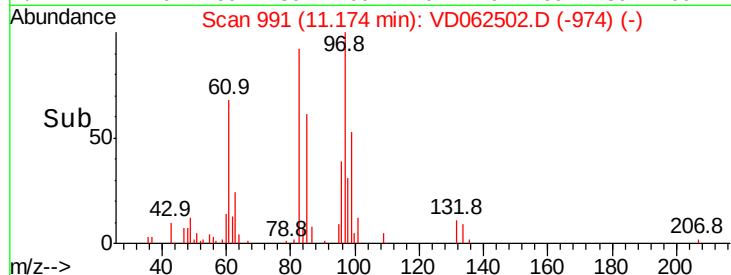
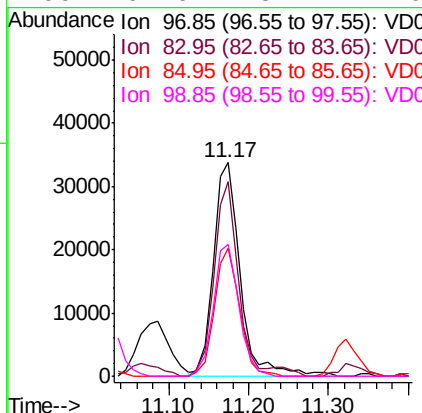
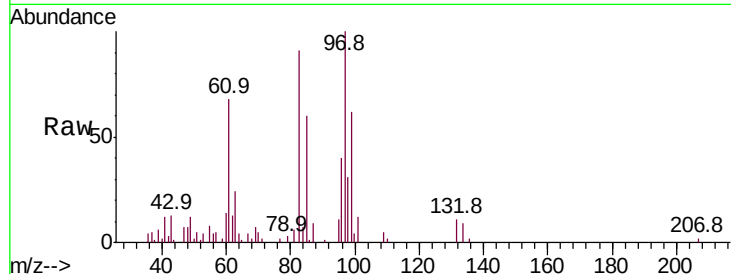
ClientSampleId :

VD0522SBS01

Tot Ion:	97	Resp:	80154
Ion	Ratio	Lower	Upper
97	100		
83	91.3	65.7	98.5
85	60.1	45.6	68.4
99	61.6	48.4	72.6

Manual Integrations
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#56

Ethyl methacrylate

Concen: 25.977 ug/l

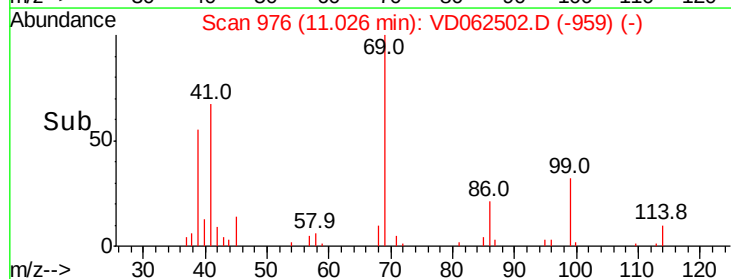
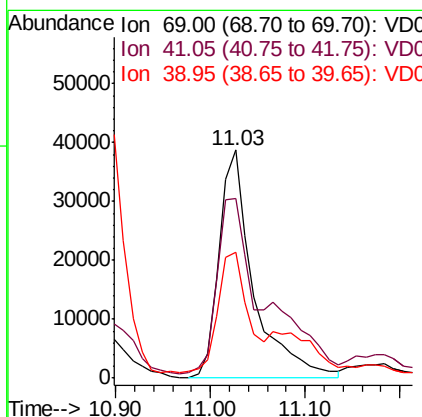
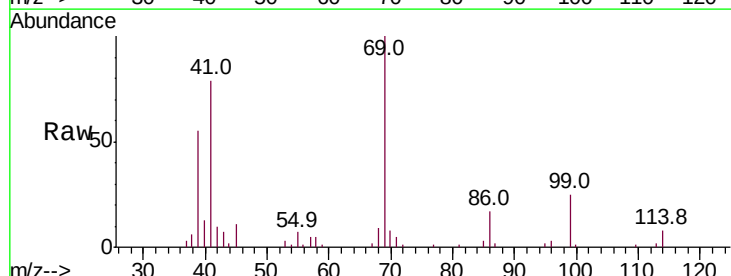
RT: 11.03 min Scan# 976

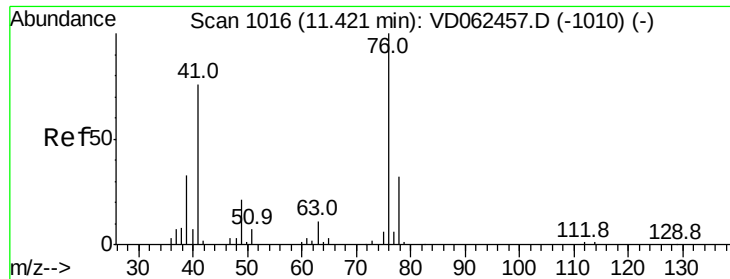
Delta R.T. -0.03 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Tgt Ion:	69	Resp:	97968
Ion	Ratio	Lower	Upper
69	100		
41	78.9	56.3	84.5
39	55.3	29.4	44.2#





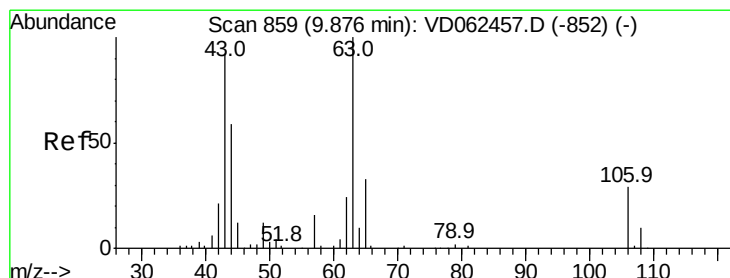
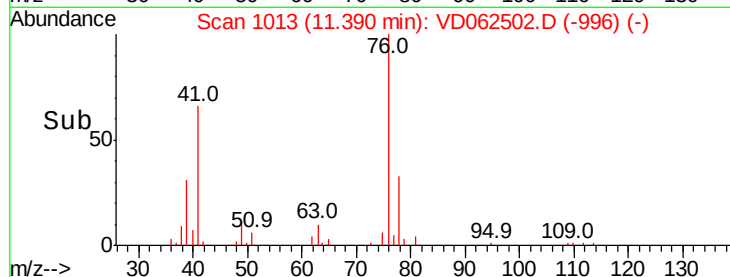
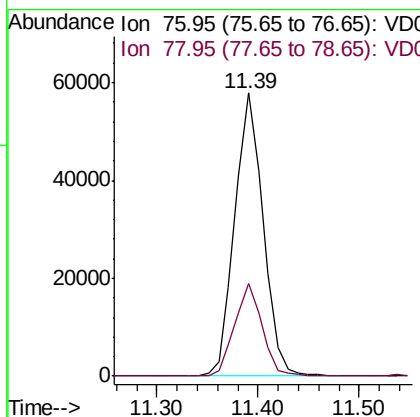
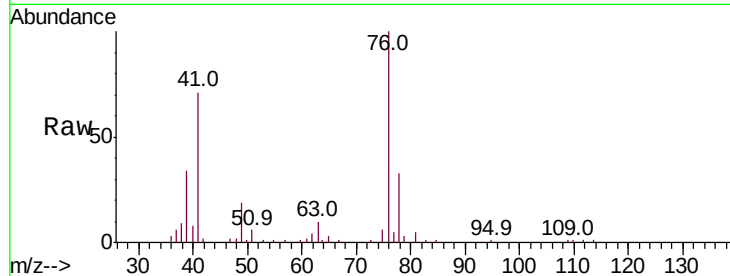
#57
 1,3-Dichloropropane
 Concen: 21.022 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. -0.03 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBS01

Tot Ion: 76 Resp: 113731
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.2 39.2

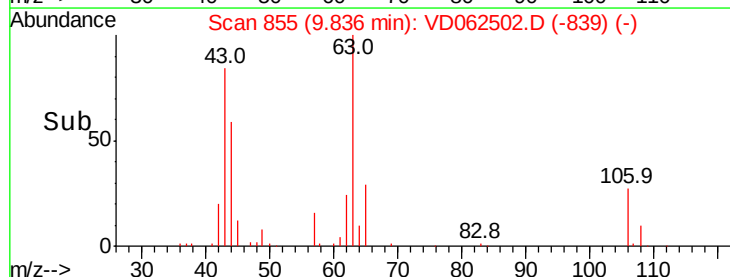
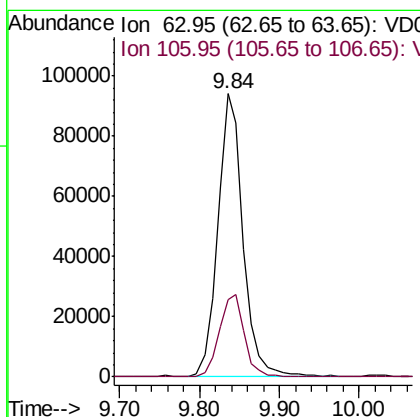
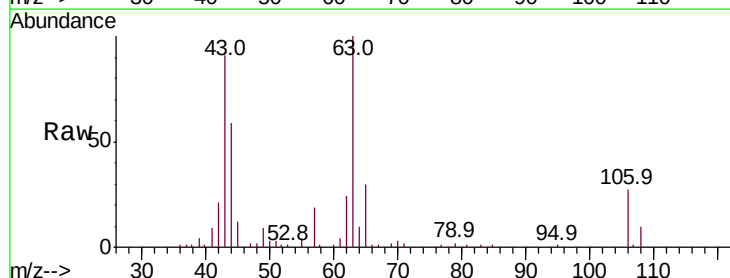
Manual Integrations
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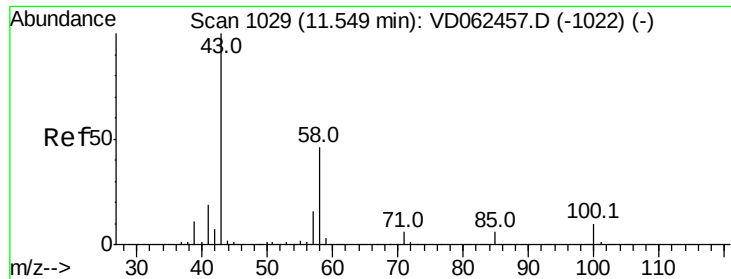
MMDadoda
 5/23/2019 11:21:07 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.653 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.04 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Tgt Ion: 63 Resp: 208473
 Ion Ratio Lower Upper
 63 100
 106 27.1 22.6 34.0





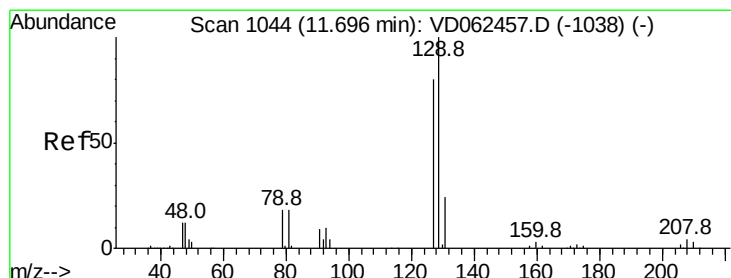
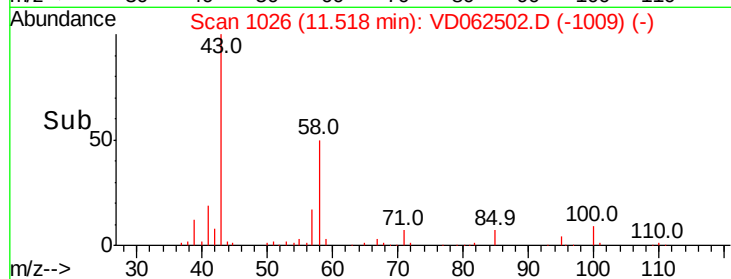
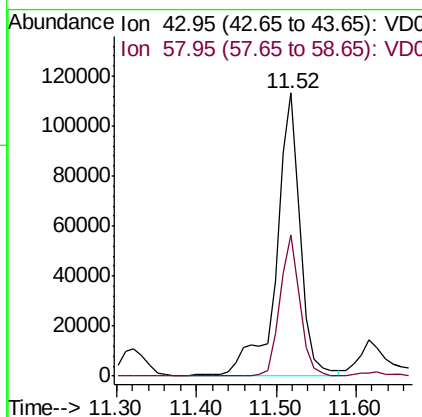
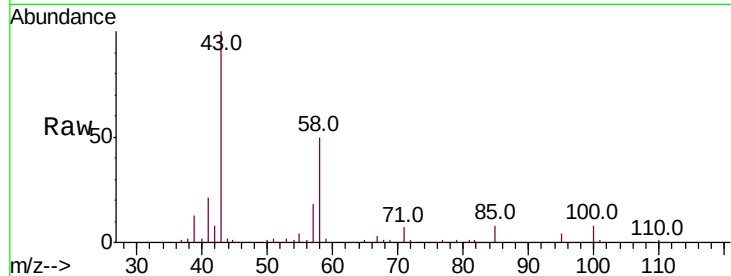
#59
2-Hexanone
Concen: 124.740 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.03 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0522SBS01

Tot Ion: 43 Resp: 239256
Ion Ratio Lower Upper
43 100
58 49.7 25.4 76.4

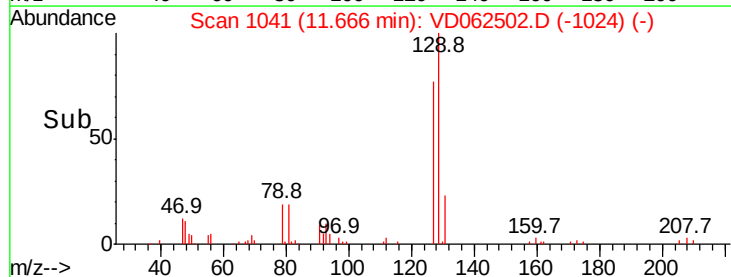
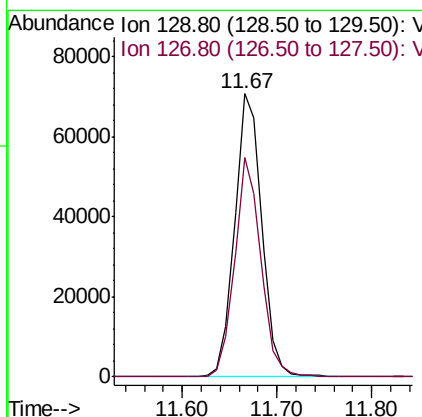
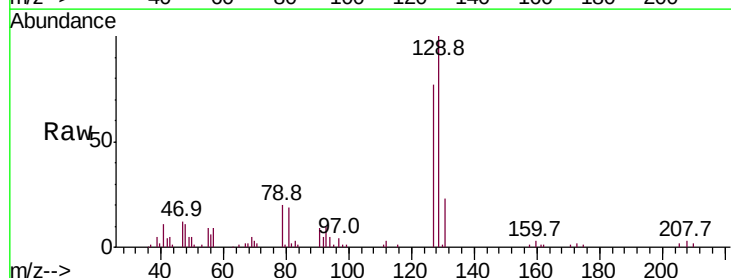
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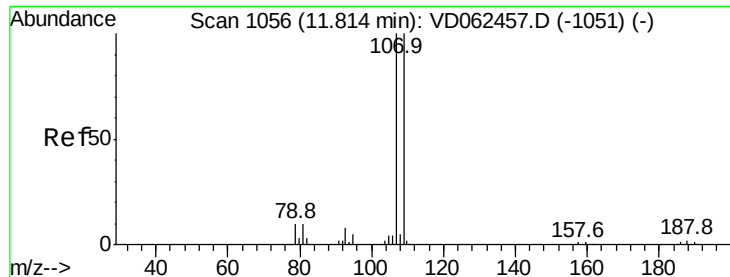
MMDadoda
5/23/2019 11:21:07 AM



#60
Dibromochloromethane
Concen: 20.644 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.03 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion: 129 Resp: 139882
Ion Ratio Lower Upper
129 100
127 77.5 38.0 113.9





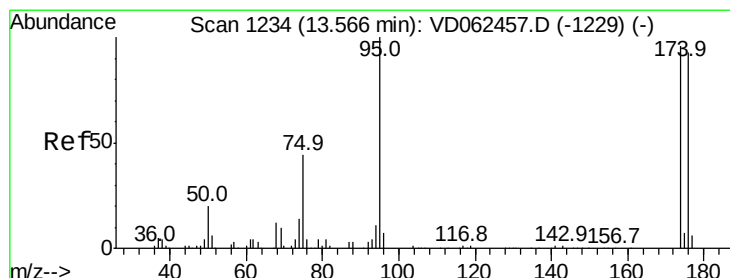
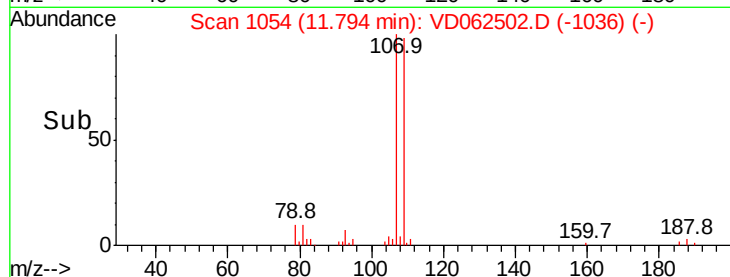
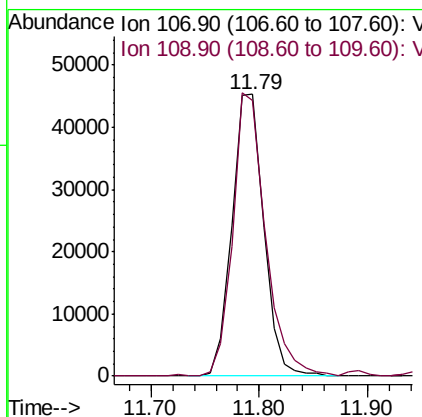
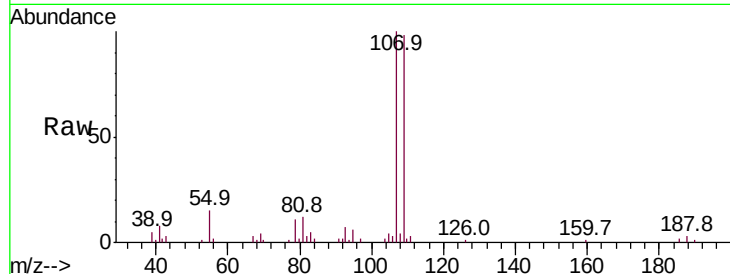
#61
 1,2-Dibromoethane
 Concen: 21.255 ug/l
 RT: 11.79 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBSD01

Tot Ion: 107 Resp: 92408
 Ion Ratio Lower Upper
 107 100
 109 98.0 78.3 117.5

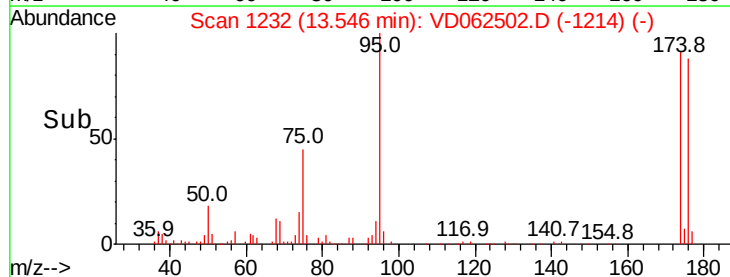
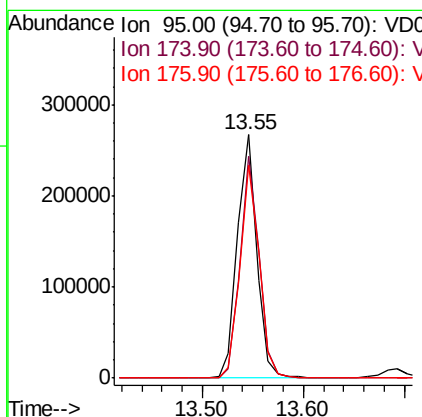
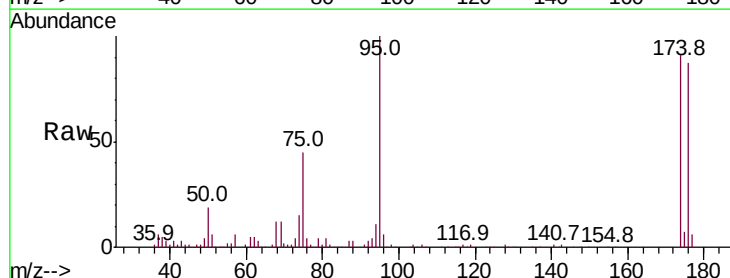
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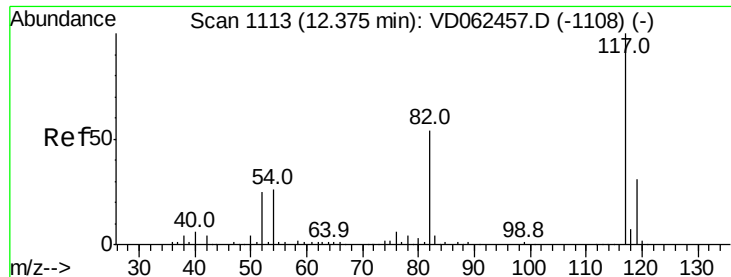
MMDadoda
 5/23/2019 11:21:07 AM



#62
 4-Bromofluorobenzene
 Concen: 50.523 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.02 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Tgt Ion: 95 Resp: 353746
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 181.8
 176 87.4 0.0 174.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.35 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

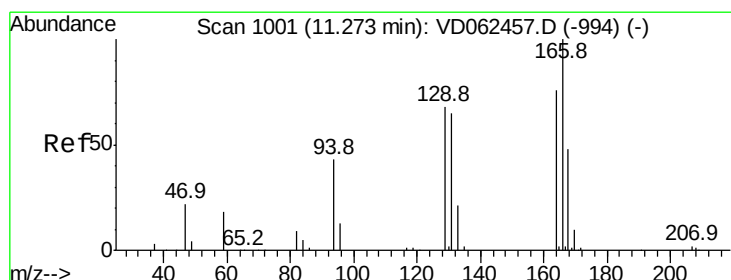
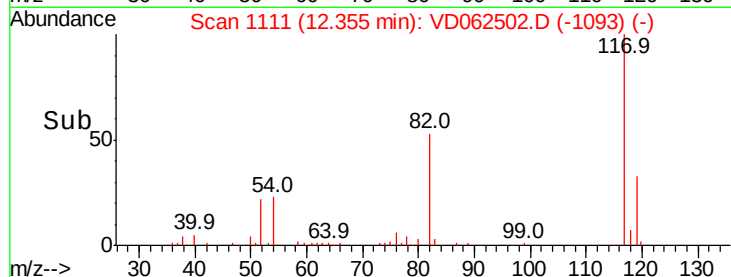
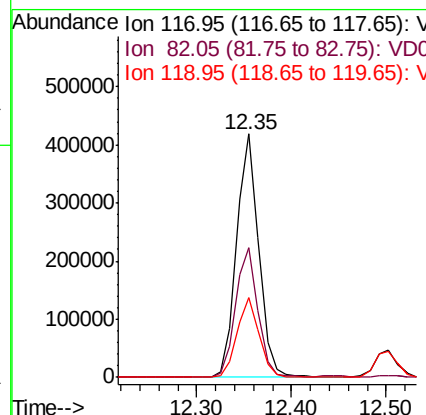
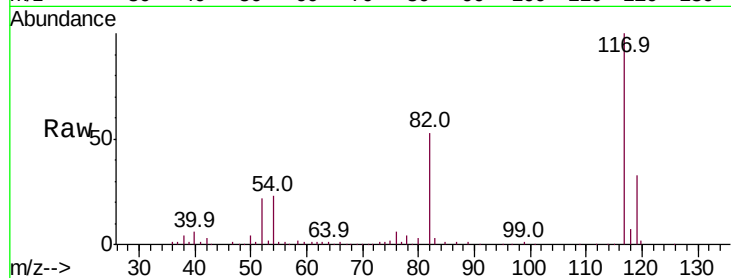
ClientSampleId :

VD0522SBS01

Tot Ion:	117	Resp:	678019
Ion Ratio	Lower	Upper	
117	100		
82	53.3	36.2	54.2
119	33.0	26.2	39.4

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#64

Tetrachloroethene

Concen: 20.583 ug/l

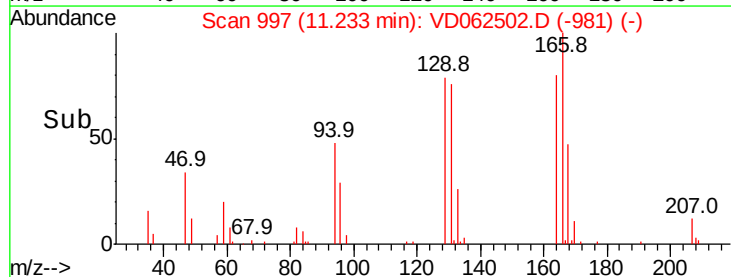
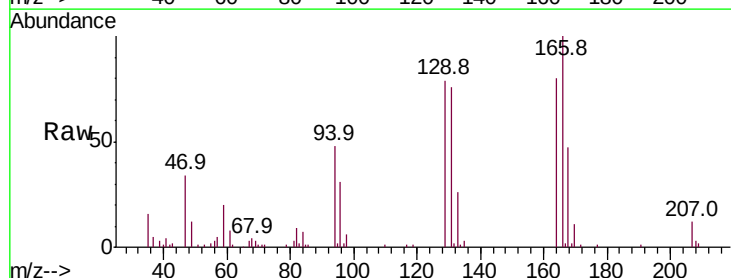
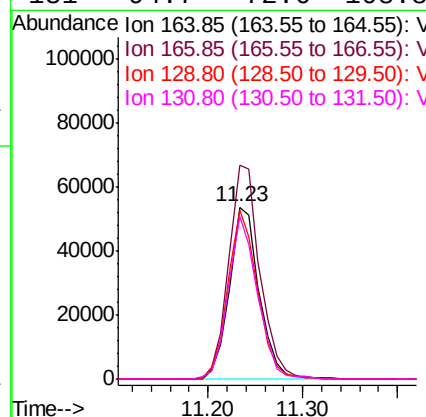
RT: 11.23 min Scan# 997

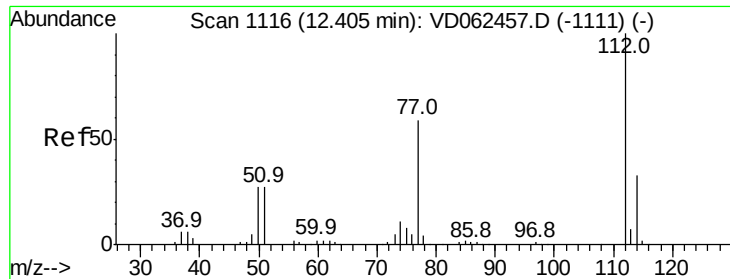
Delta R.T. -0.04 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Tgt Ion:	164	Resp:	116853
Ion Ratio	Lower	Upper	
164	100		
166	124.5	101.5	152.3
129	98.7	74.6	112.0
131	94.7	72.6	108.8





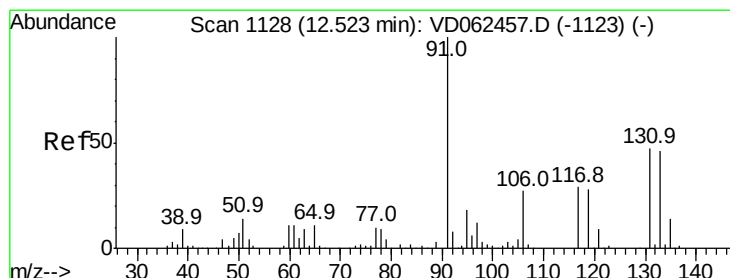
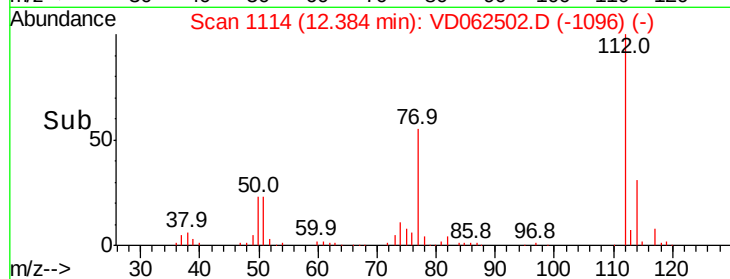
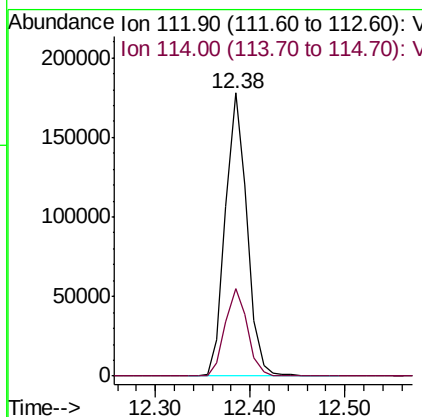
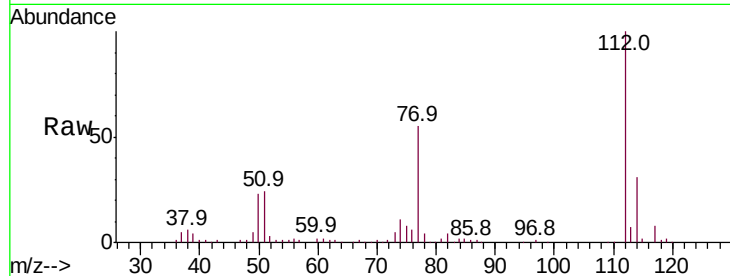
#65
Chlorobenzene
Concen: 21.553 ug/l
RT: 12.38 min Scan# 1114
Delta R.T. -0.02 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0522SBSD01

Tot Ion:112 Resp: 281025
Ion Ratio Lower Upper
112 100
114 31.0 25.8 38.8

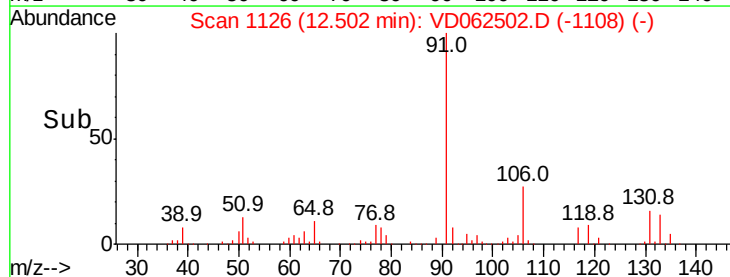
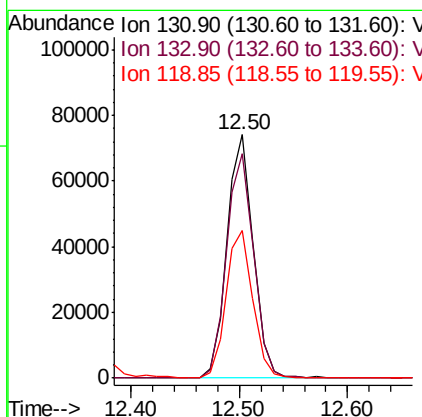
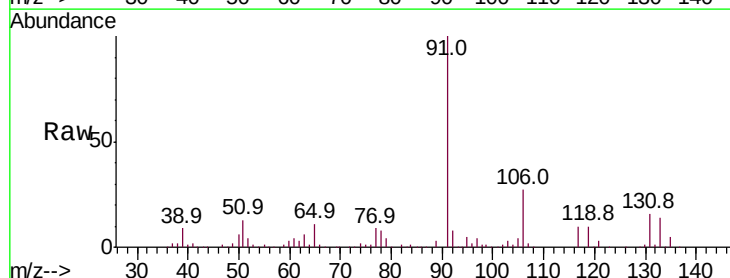
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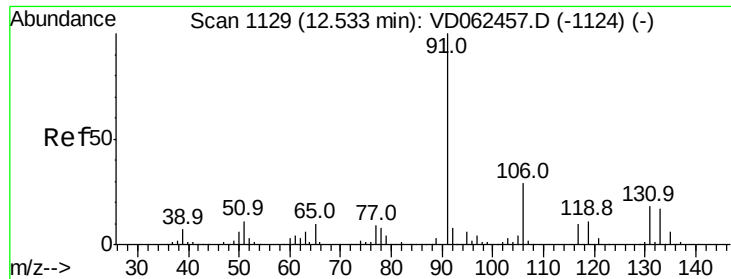
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.828 ug/l
RT: 12.50 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion:131 Resp: 125356
Ion Ratio Lower Upper
131 100
133 92.4 48.6 145.8
119 60.8 34.7 104.1





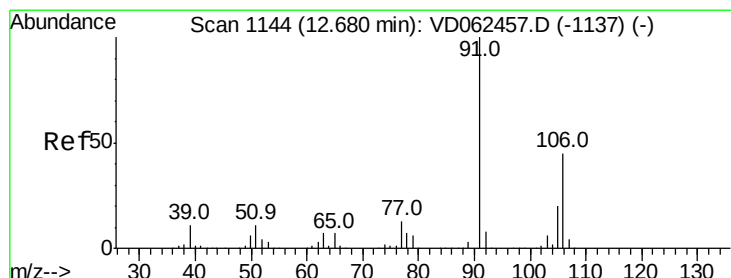
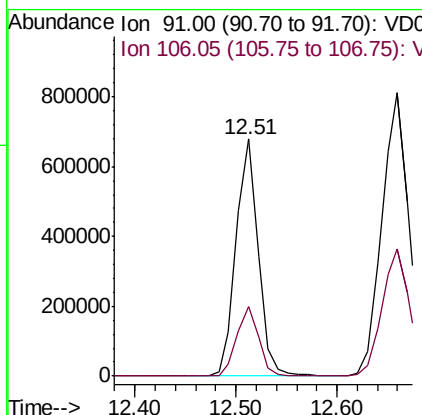
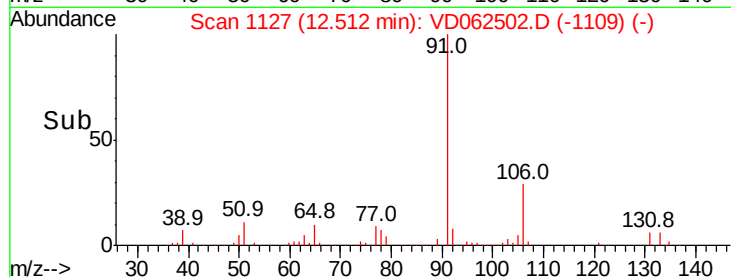
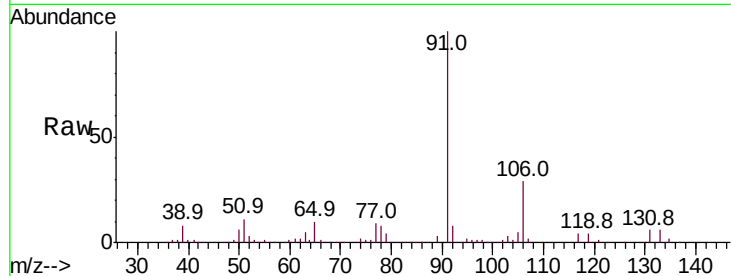
#67
Ethyl Benzene
Concen: 45.981 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0522SBS01

Tot Ion: 91 Resp: 1032643
Ion Ratio Lower Upper
91 100
106 29.2 24.7 37.1

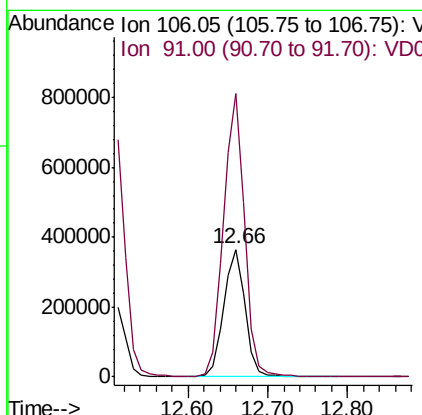
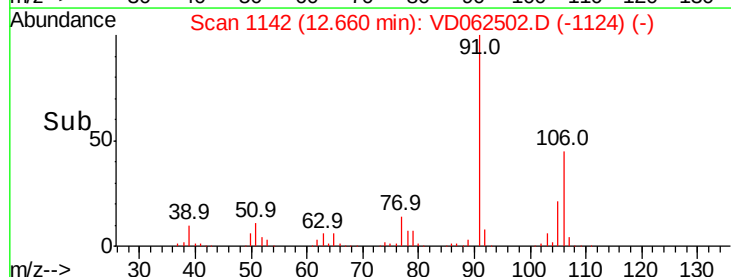
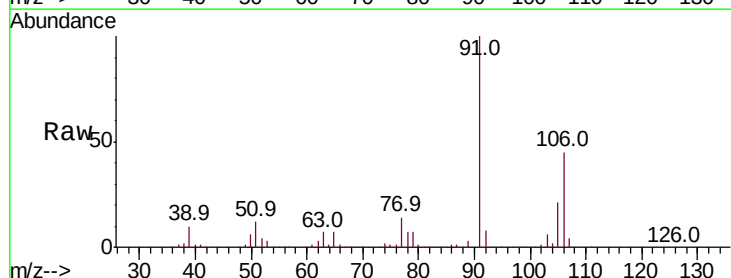
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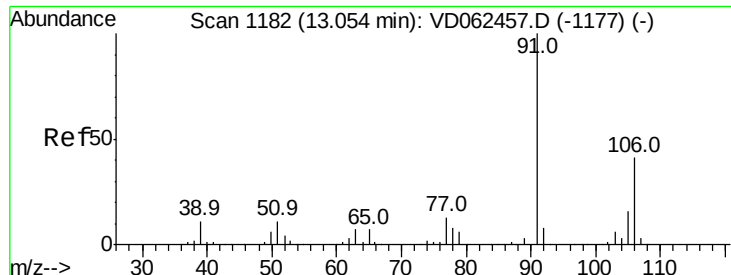
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#68
m/p-Xylenes
Concen: 85.347 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion:106 Resp: 688037
Ion Ratio Lower Upper
106 100
91 221.6 164.0 246.0





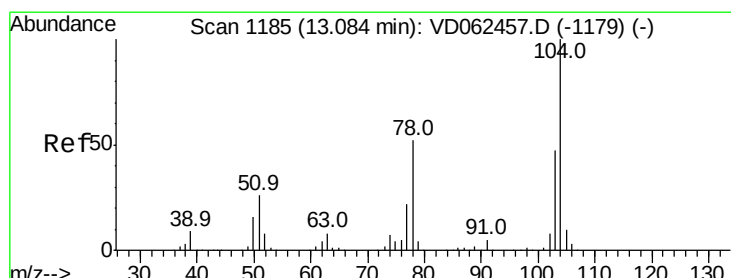
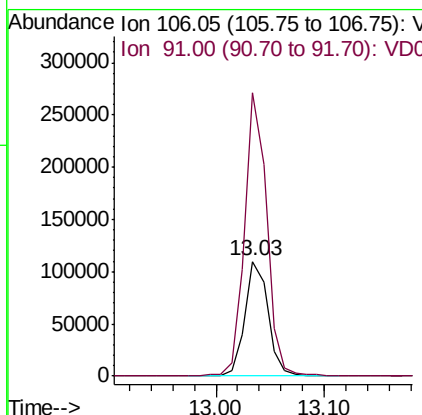
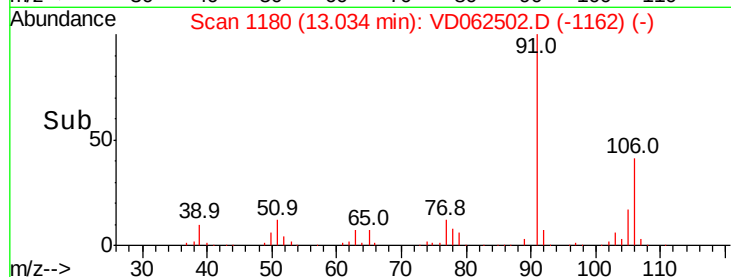
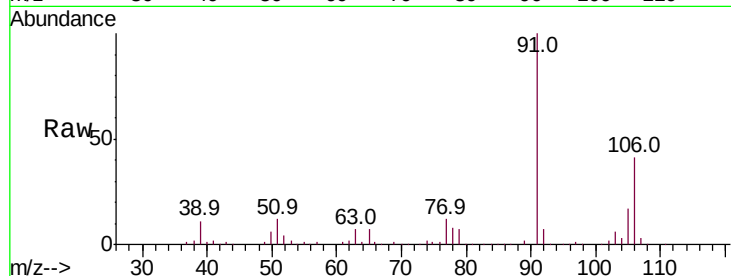
#69
o-Xylene
Concen: 21.571 ug/l
RT: 13.03 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0522SBS01

Tot Ion:106 Resp: 164080
Ion Ratio Lower Upper
106 100
91 246.0 106.7 319.9

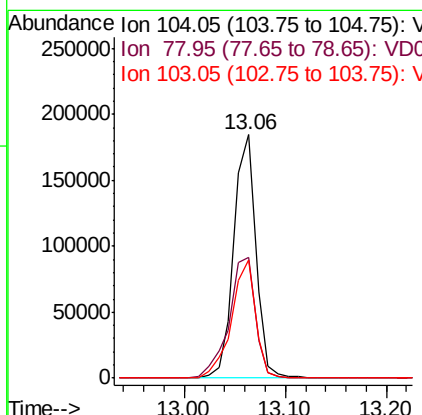
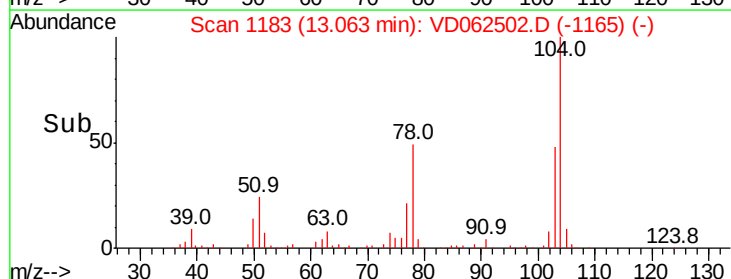
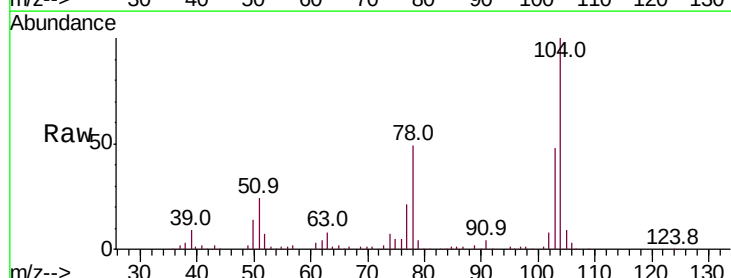
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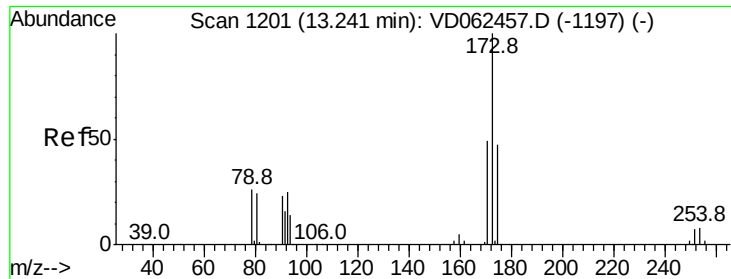
MMDadoda
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#70
Styrene
Concen: 21.630 ug/l
RT: 13.06 min Scan# 1183
Delta R.T. -0.02 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion:104 Resp: 279887
Ion Ratio Lower Upper
104 100
78 49.3 35.4 53.2
103 48.4 37.5 56.3





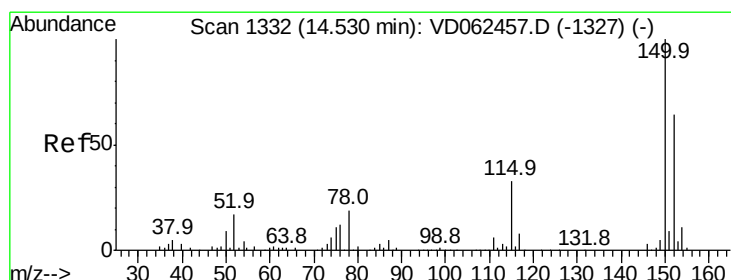
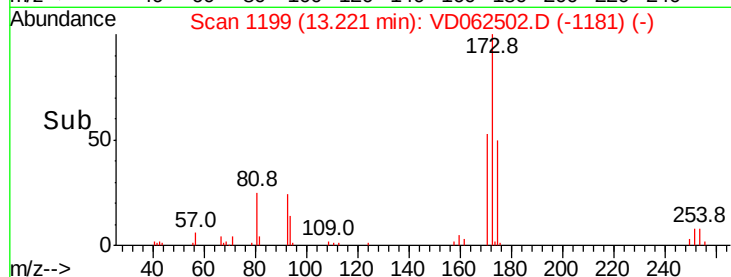
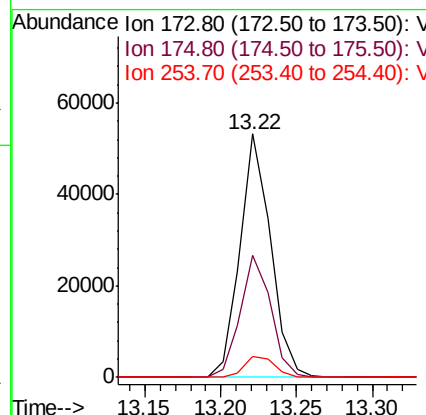
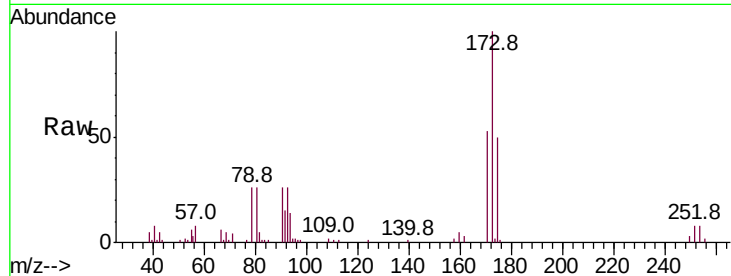
#71
Bromoform
Concen: 18.713 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. -0.02 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0522SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.4	24.4	73.4
254	8.4	5.4	8.2#

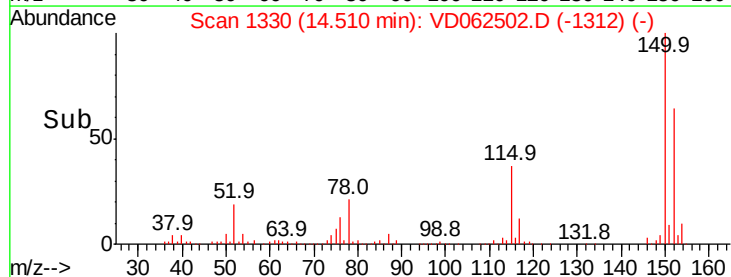
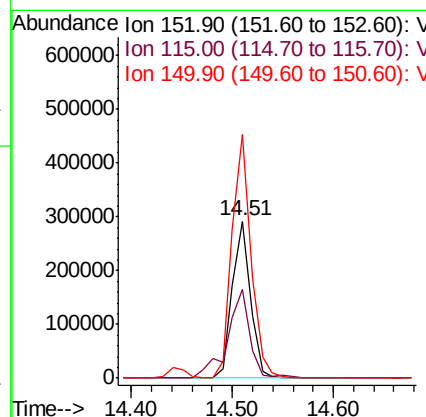
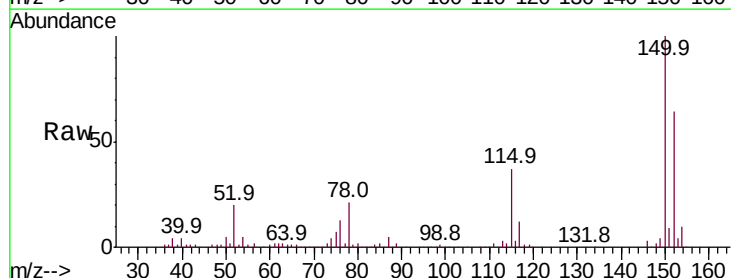
Manual Integrations
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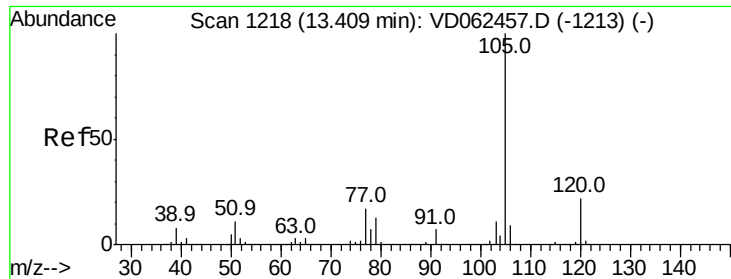
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.02 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	30.9	92.7
150	155.0	0.0	314.8





#73

Isopropylbenzene

Concen: 27.812 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBS01

Tot Ion:105 Resp: 641110

Ion Ratio Lower Upper

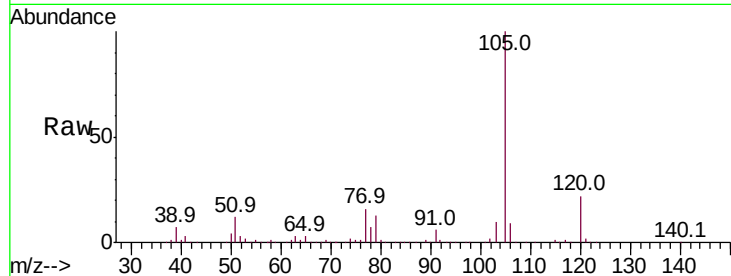
105 100

120 22.2 12.0 36.1

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

500000

400000

300000

200000

100000

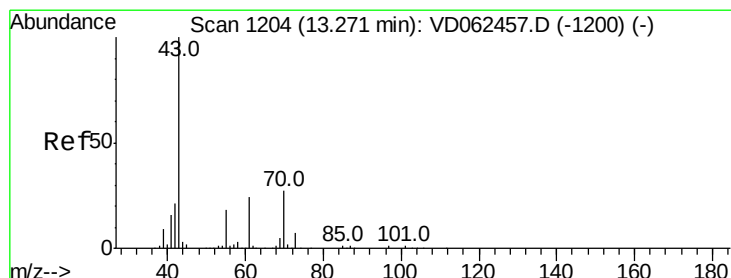
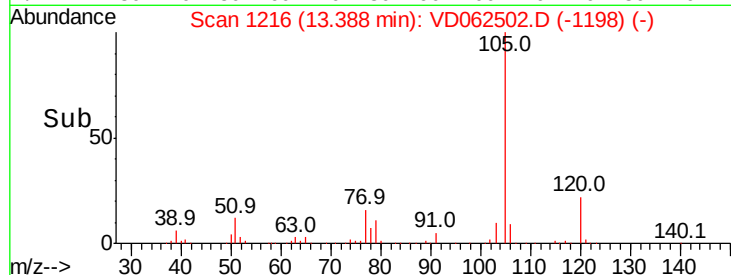
0

13.39

13.40

13.50

Time-->



#74

N-ethyl acetate

Concen: 21.701 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Tgt Ion: 43 Resp: 123550

Ion Ratio Lower Upper

43 100

70 28.7 24.2 36.4

55 22.8 16.0 24.0

61 23.2 21.6 32.4

Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

120000

100000

80000

60000

40000

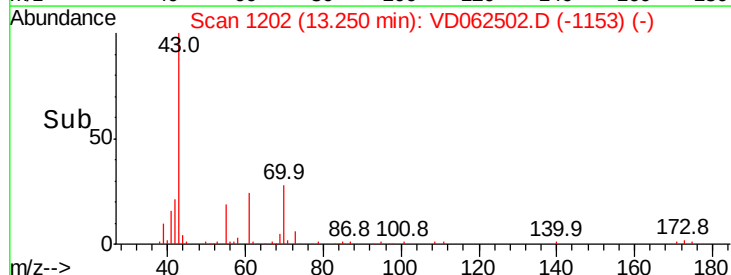
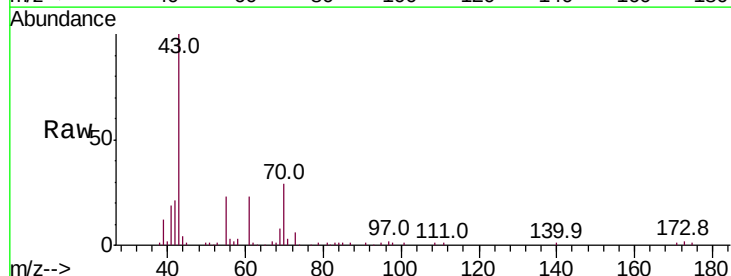
20000

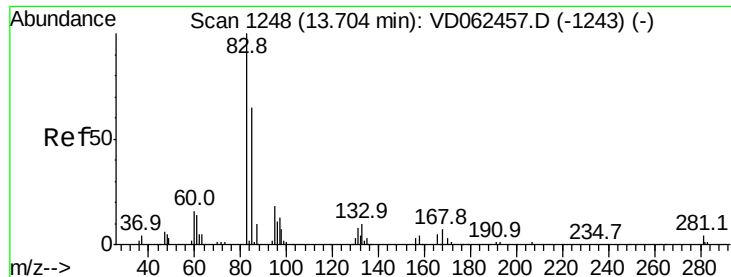
0

13.25

13.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.648 ug/l

RT: 13.68 min Scan# 1246

Delta R.T. -0.02 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

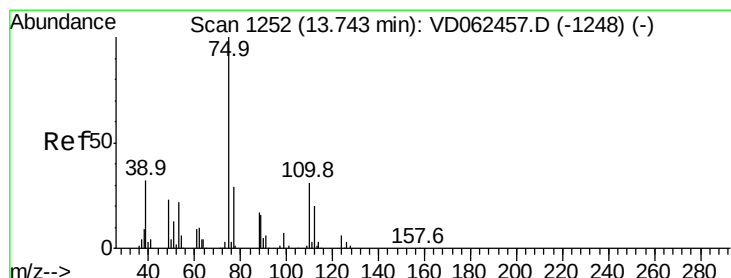
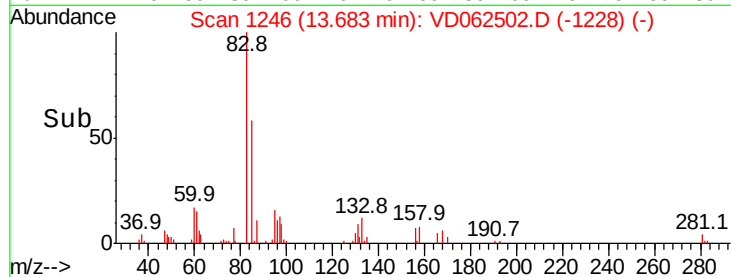
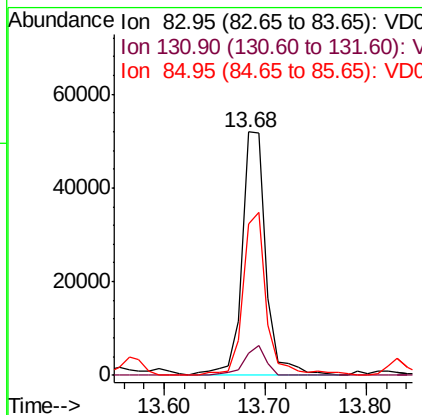
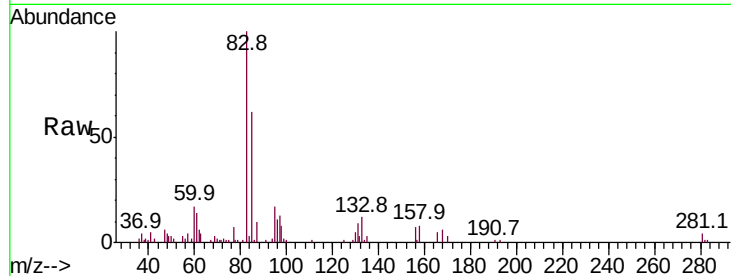
ClientSampleId :

VD0522SBS01

Tot Ion:	83	Resp:	85867
Ion Ratio	Lower	Upper	
83	100		
131	8.9	5.0	14.9
85	62.2	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.853 ug/l

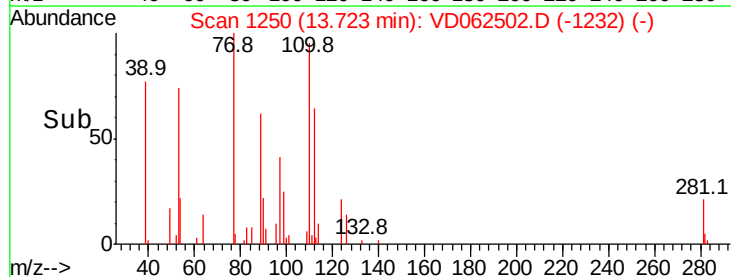
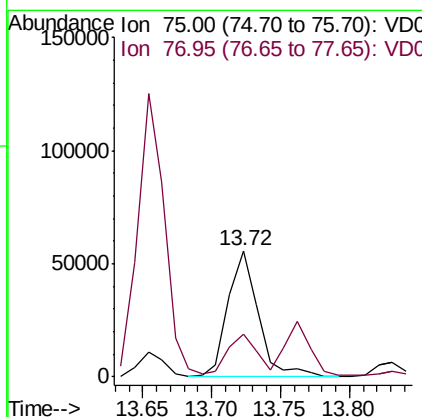
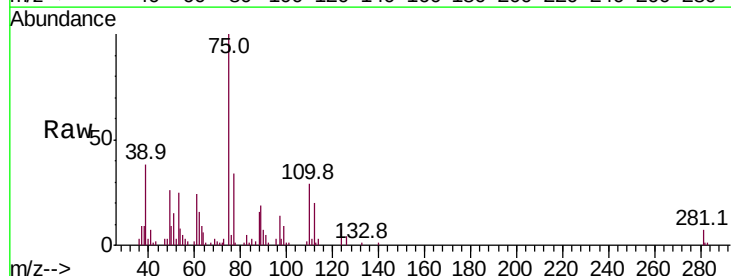
RT: 13.72 min Scan# 1250

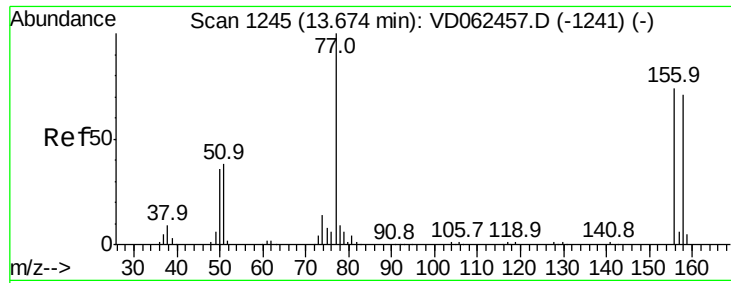
Delta R.T. -0.02 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Tgt Ion:	75	Resp:	85519
Ion Ratio	Lower	Upper	
75	100		
77	34.1	16.4	49.4





#77

Bromobenzene

Concen: 21.579 ug/l

RT: 13.65 min Scan# 1243

Delta R.T. -0.02 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

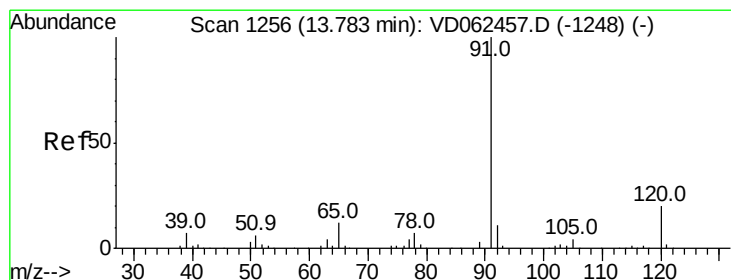
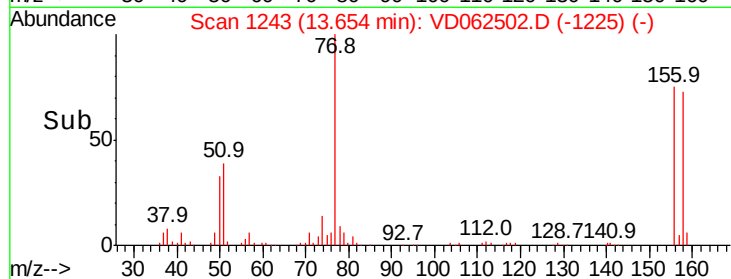
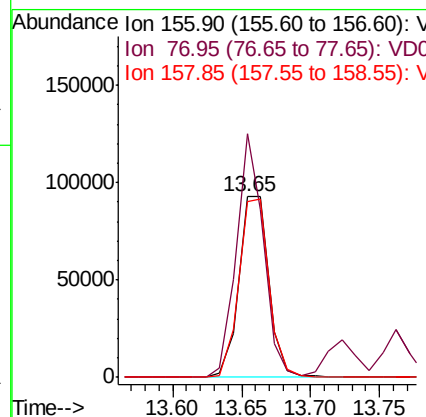
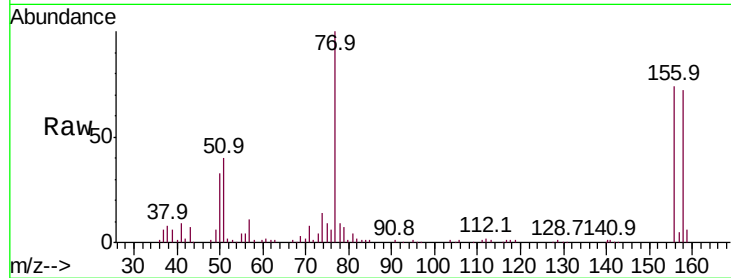
ClientSampleId :

VD0522SBS01

Tot Ion:	156	Resp:	141107
Ion Ratio	Lower	Upper	
156	100		
77	134.8	53.1	159.4
158	97.3	49.4	148.0

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#78

n-propylbenzene

Concen: 26.237 ug/l

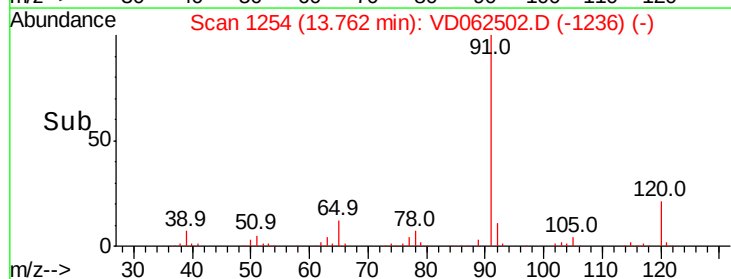
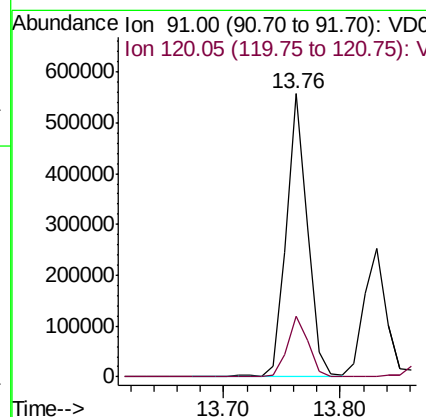
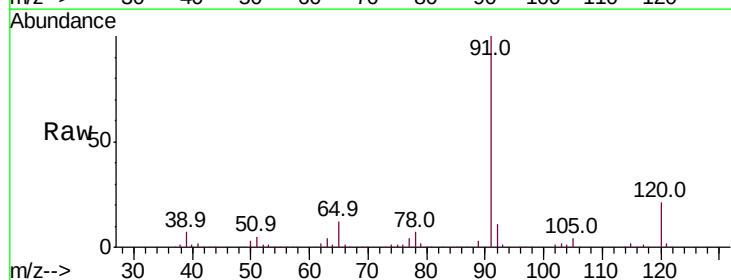
RT: 13.76 min Scan# 1254

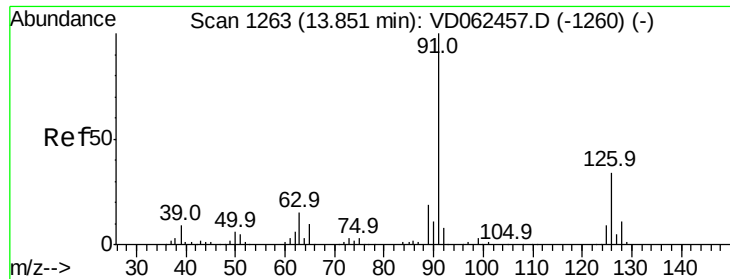
Delta R.T. -0.02 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Tgt Ion:	91	Resp:	700557
Ion Ratio	Lower	Upper	
91	100		
120	21.2	11.1	33.1





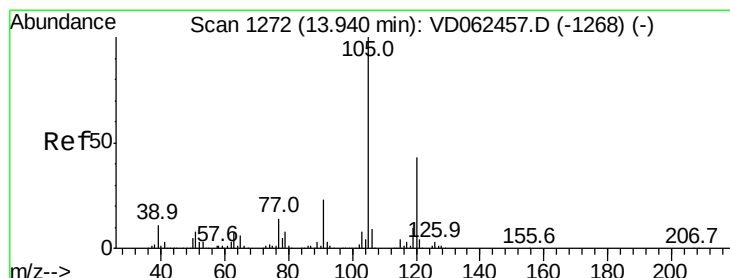
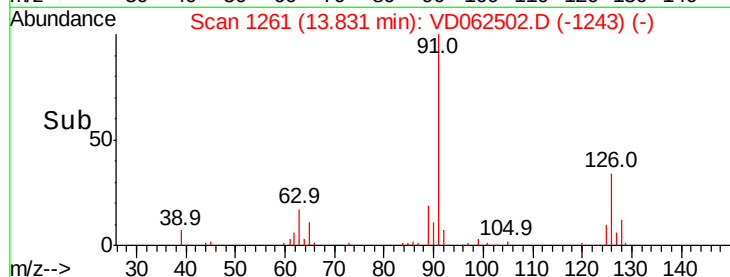
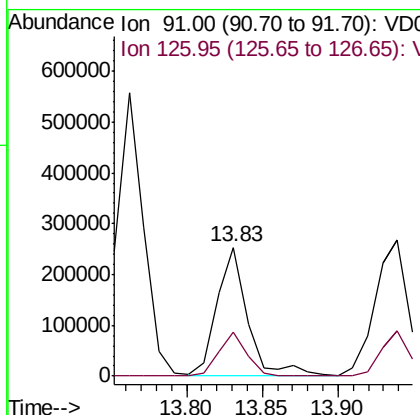
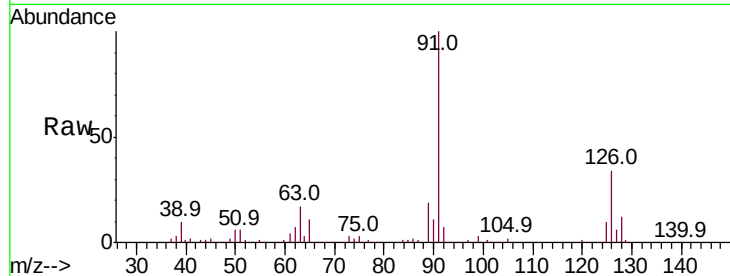
#79
 2-Chlorotoluene
 Concen: 22.195 ug/l
 RT: 13.83 min Scan# 1261
 Delta R.T. -0.02 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBS01

Tot Ion: 91 Resp: 359648
 Ion Ratio Lower Upper
 91 100
 126 33.9 18.6 55.8

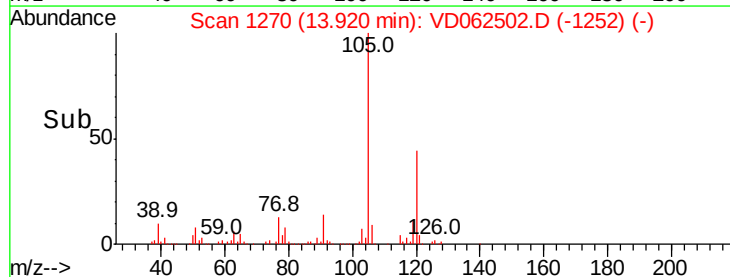
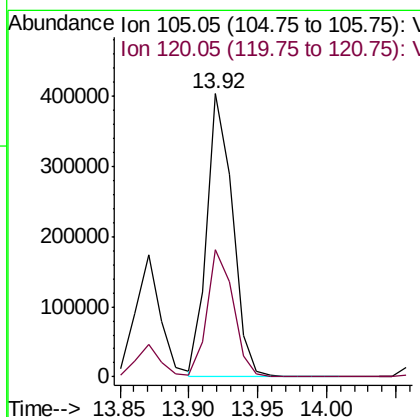
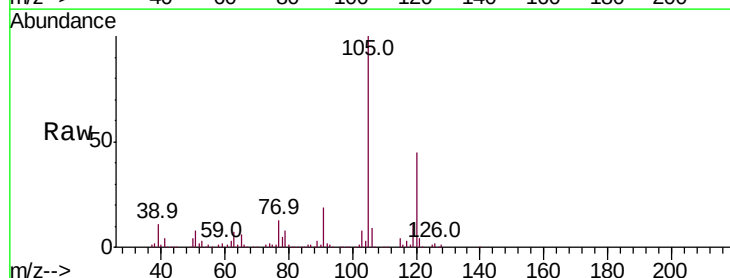
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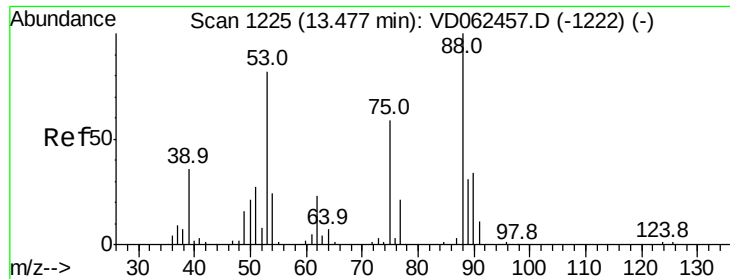
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#80
 1,3,5-Trimethylbenzene
 Concen: 26.213 ug/l
 RT: 13.92 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Tgt Ion: 105 Resp: 523194
 Ion Ratio Lower Upper
 105 100
 120 44.8 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.996 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD062502.D

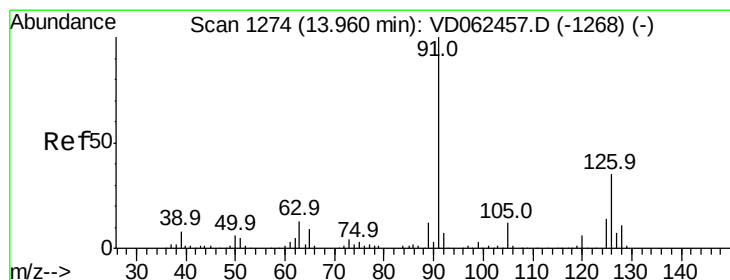
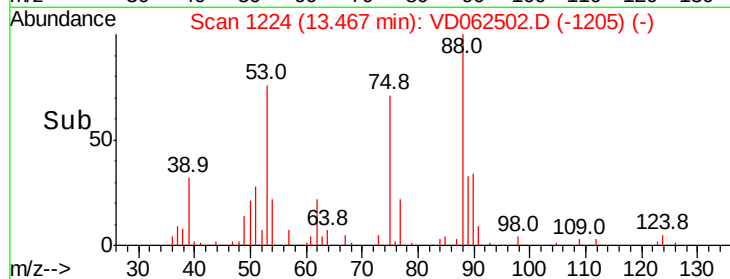
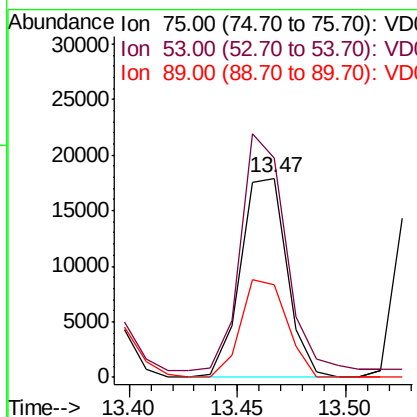
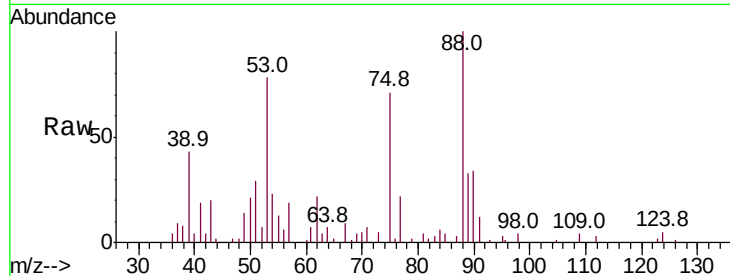
Acq: 22 May 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0522SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.7	65.8	98.8#
89	46.2	35.0	52.6

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#82

4-Chlorotoluene

Concen: 21.576 ug/l

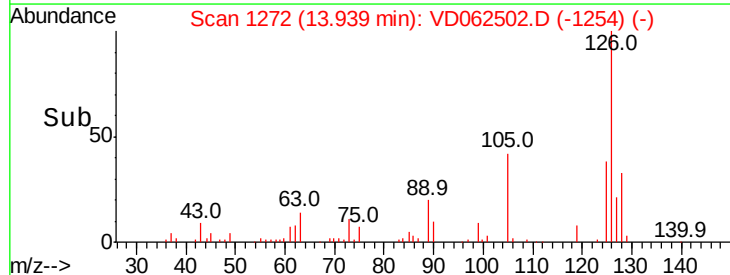
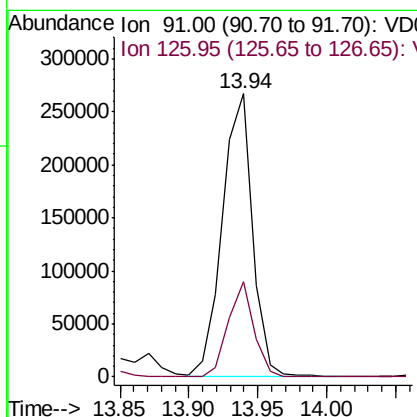
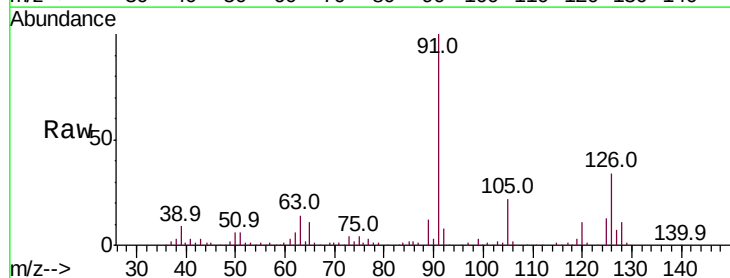
RT: 13.94 min Scan# 1272

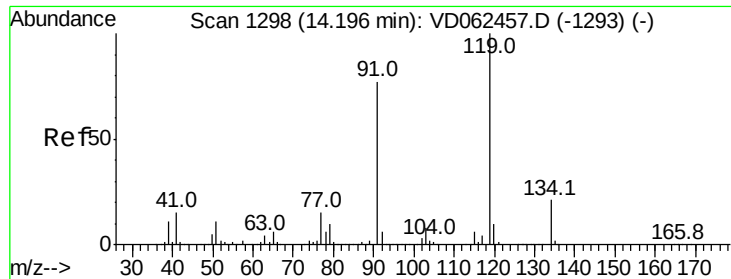
Delta R.T. -0.02 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	19.1	57.5





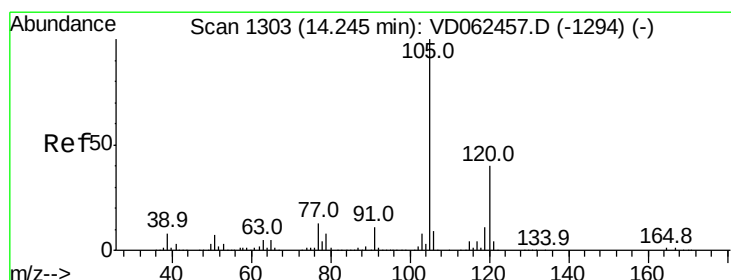
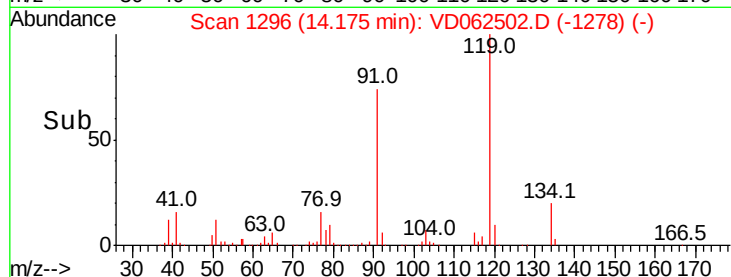
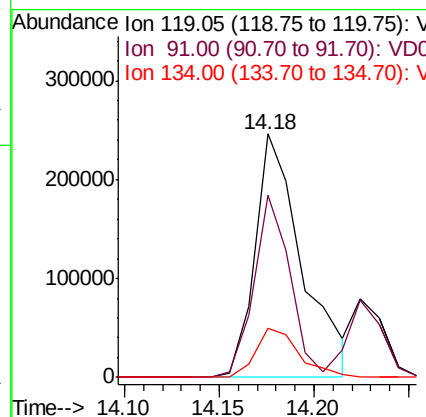
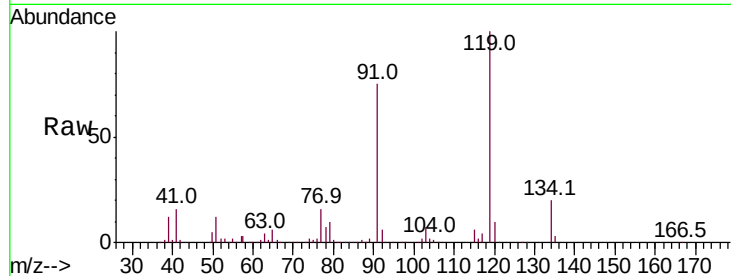
#83
 tert-Butylbenzene
 Concen: 19.155 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	74.7	34.2	102.6
134	20.2	12.0	36.0

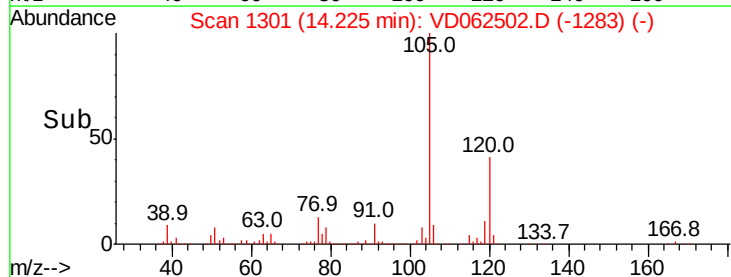
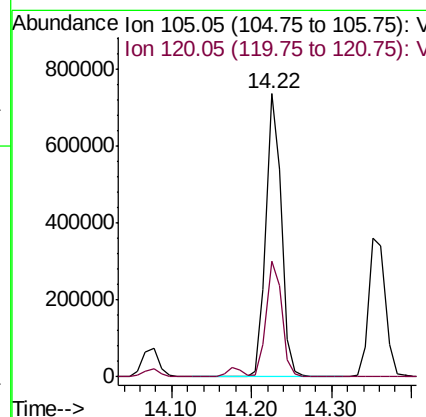
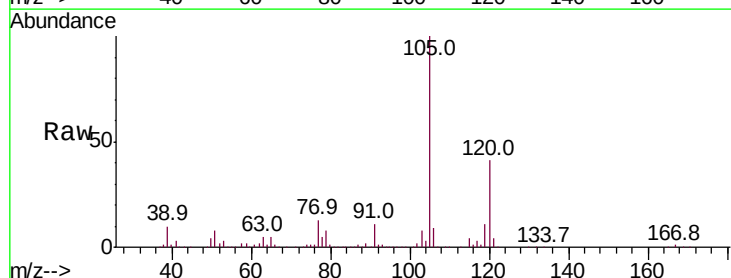
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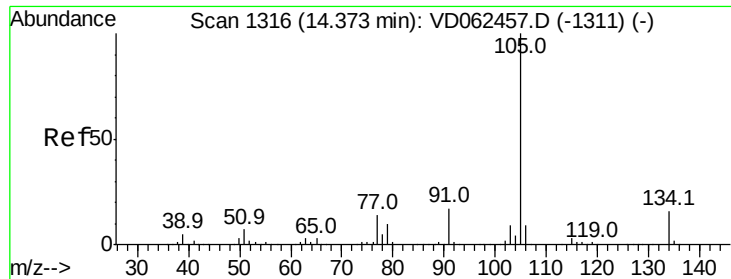
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.568 ug/l
 RT: 14.22 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.0	23.1	69.2





#85

sec-Butylbenzene

Concen: 22.499 ug/l

RT: 14.35 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBS01

Tot Ion:105 Resp: 519397

Ion Ratio Lower Upper

105 100

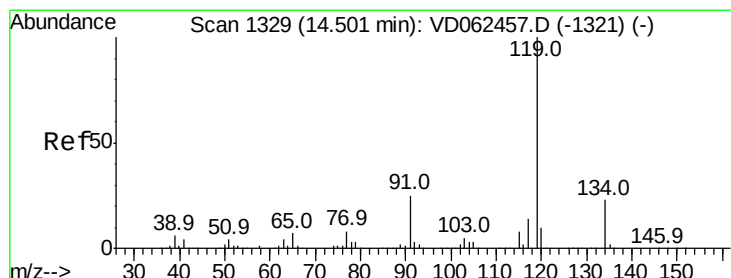
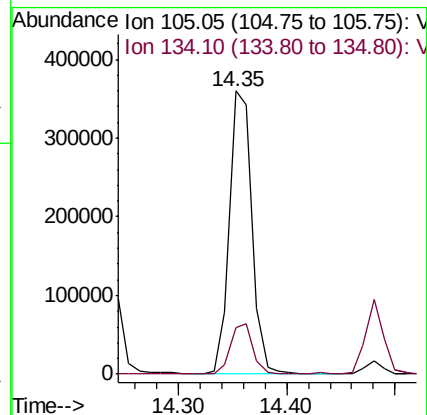
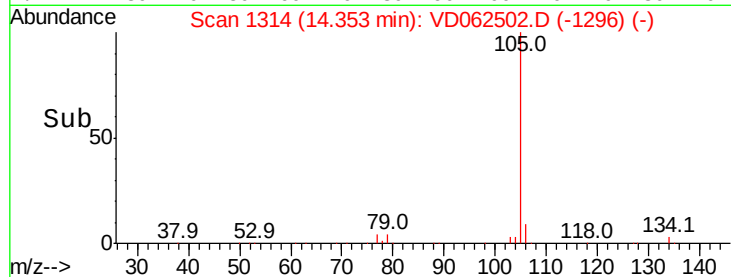
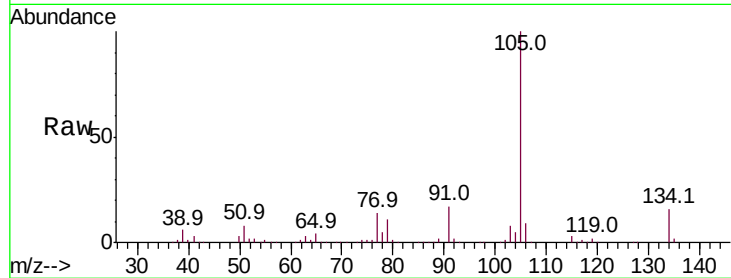
134 16.5 8.9 26.7

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#86

p-Isopropyltoluene

Concen: 23.065 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.02 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

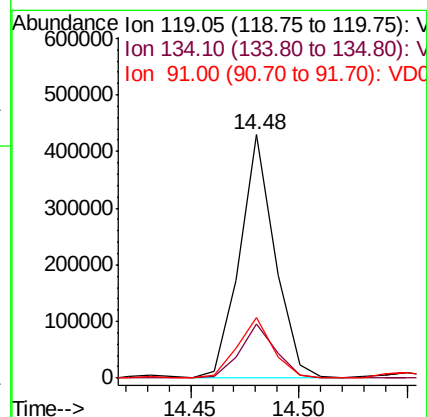
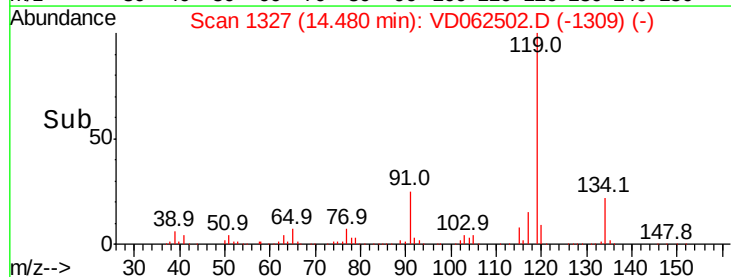
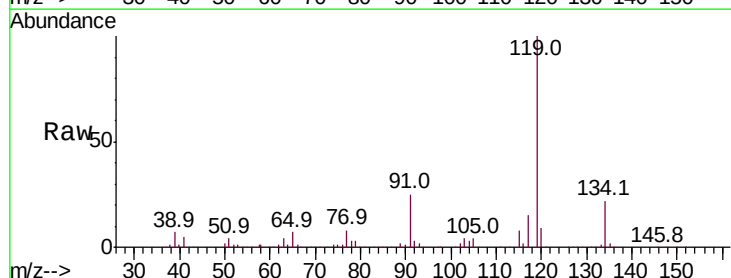
Tgt Ion:119 Resp: 482523

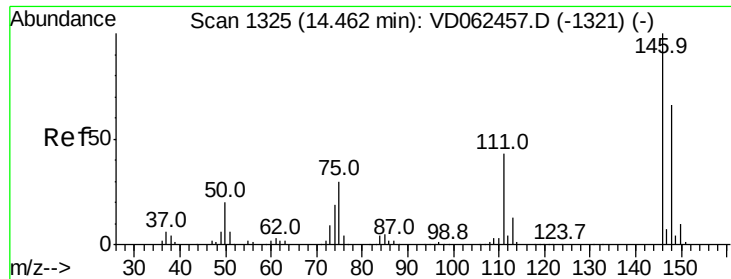
Ion Ratio Lower Upper

119 100

134 22.1 12.8 38.3

91 25.0 10.7 32.1





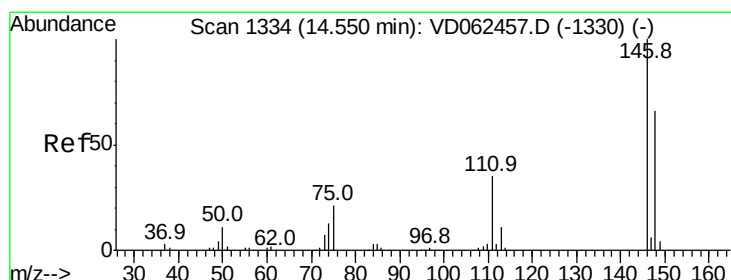
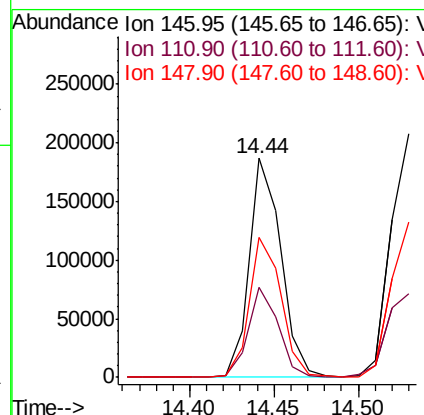
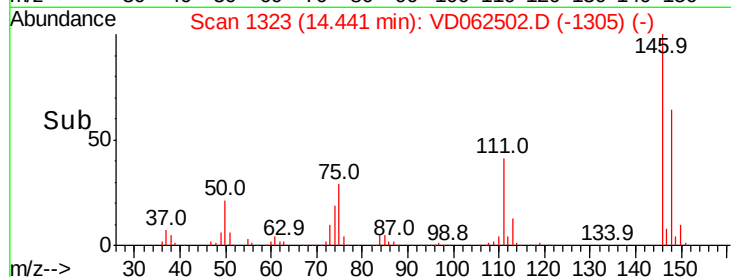
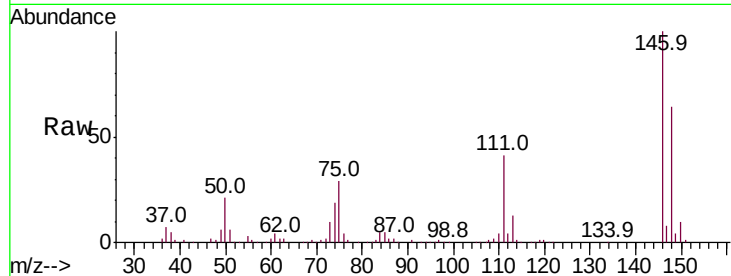
#87
 1,3-Dichlorobenzene
 Concen: 21.104 ug/l
 RT: 14.44 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.0	60.0
148	64.1	31.8	95.4

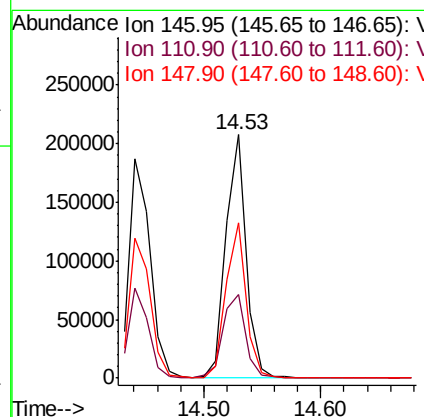
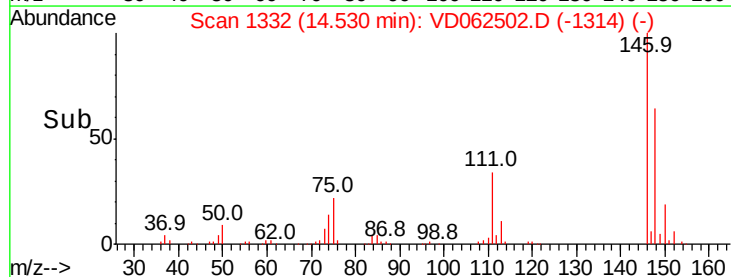
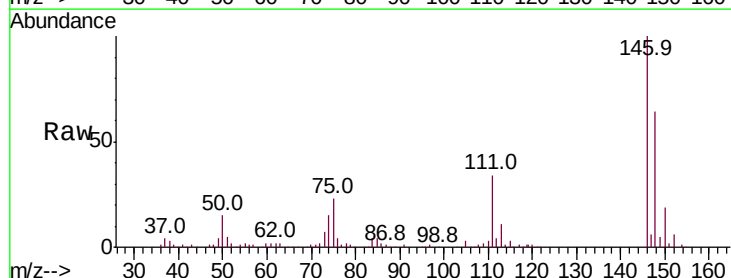
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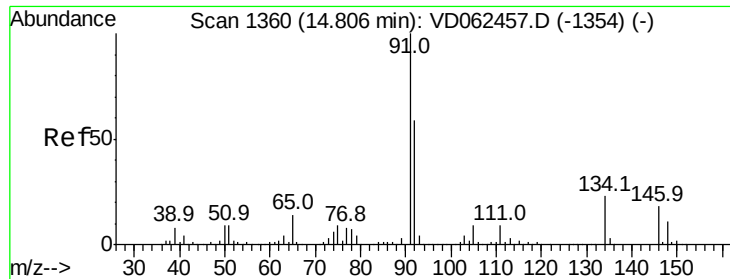
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#88
 1,4-Dichlorobenzene
 Concen: 22.486 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.1	20.2	60.5
148	63.6	32.0	96.2





#89

n-Butylbenzene

Concen: 19.189 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

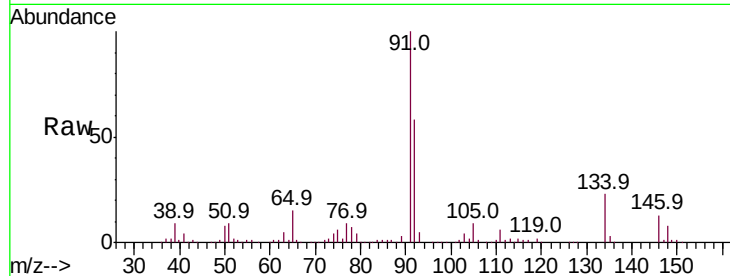
ClientSampleId :

VD0522SBS01

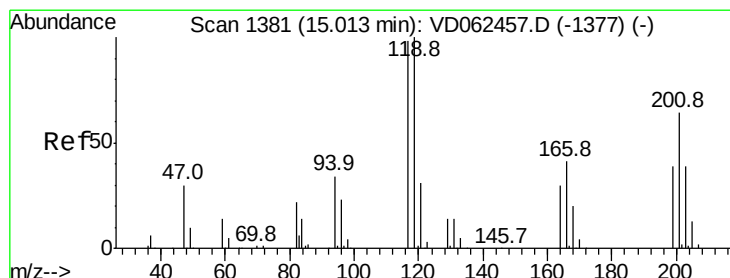
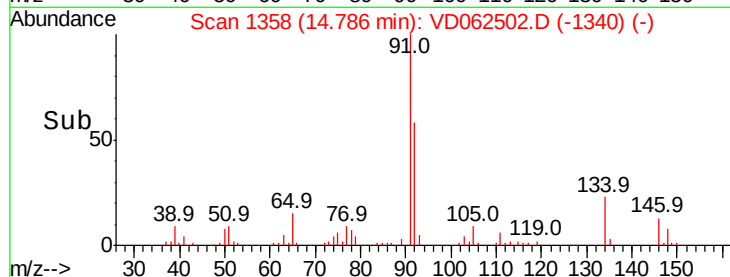
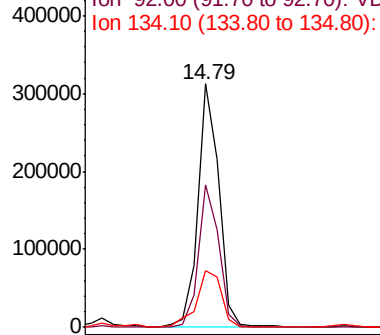
Tot Ion:	91	Resp:	387418
Ion Ratio	Lower	Upper	
91	100		
92	58.3	30.3	91.0
134	23.4	14.5	43.6

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Abundance Ion 91.00 (90.70 to 91.70): V



#90

Hexachloroethane

Concen: 18.776 ug/l

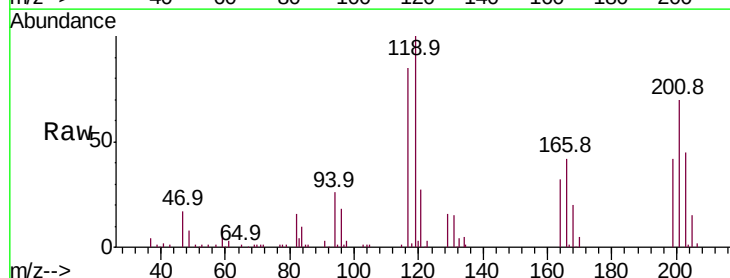
RT: 15.00 min Scan# 1380

Delta R.T. -0.01 min

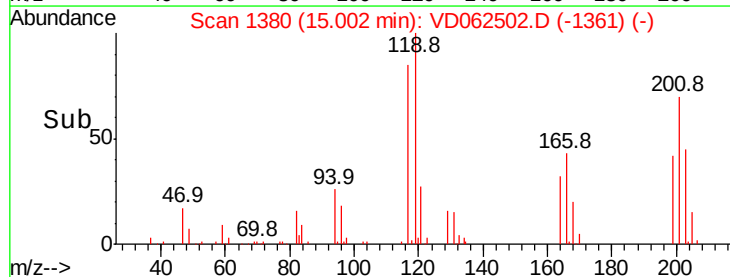
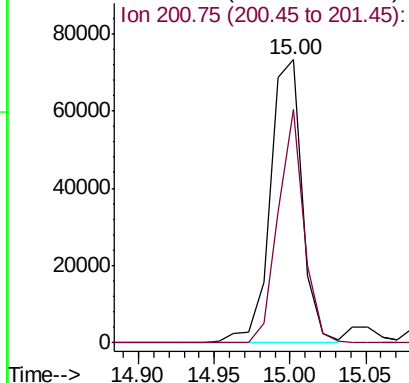
Lab File: VD062502.D

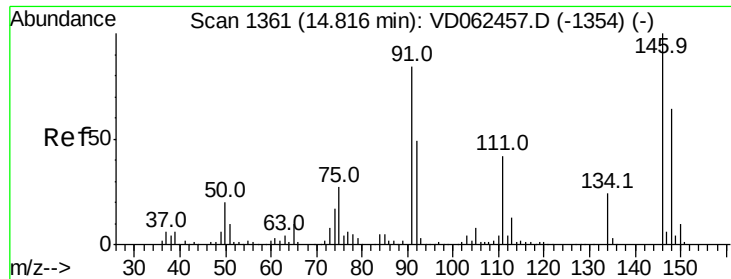
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Tgt Ion:	117	Resp:	108555
Ion Ratio	Lower	Upper	
117	100		
201	82.4	30.2	90.6



Abundance Ion 116.85 (116.55 to 117.55): V





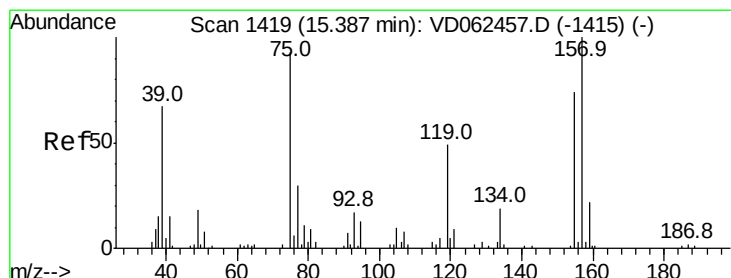
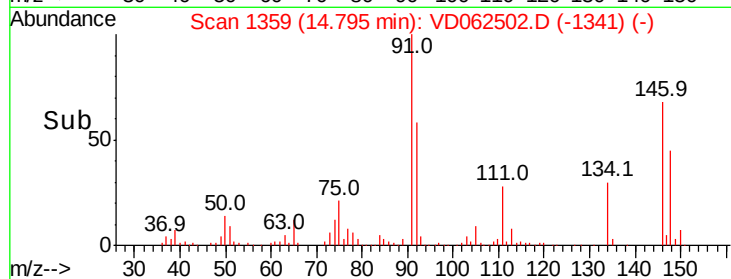
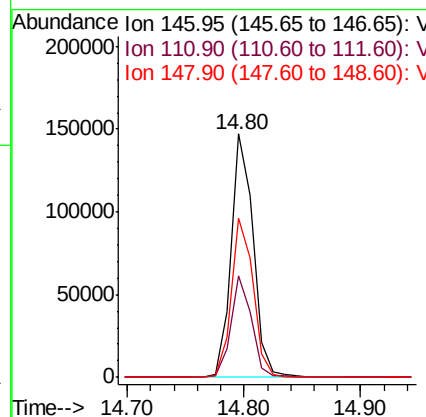
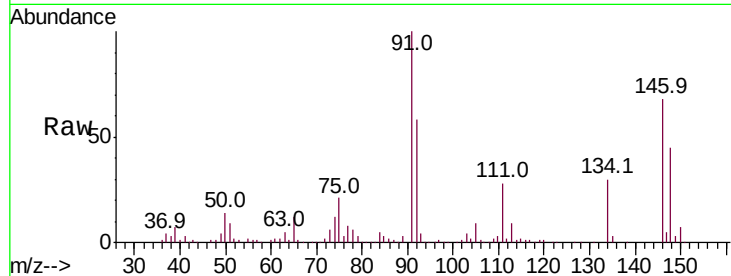
#91
 1,2-Dichlorobenzene
 Concen: 19.616 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBS01

Tot Ion:	146	Resp:	192618
Ion Ratio	Lower	Upper	
146	100		
111	41.6	20.0	59.9
148	65.6	32.3	96.8

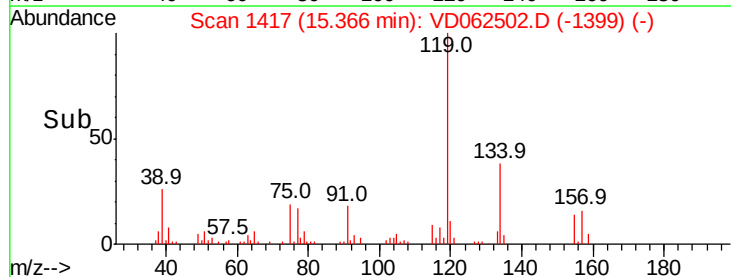
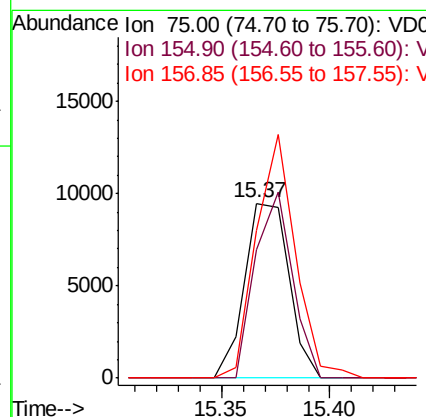
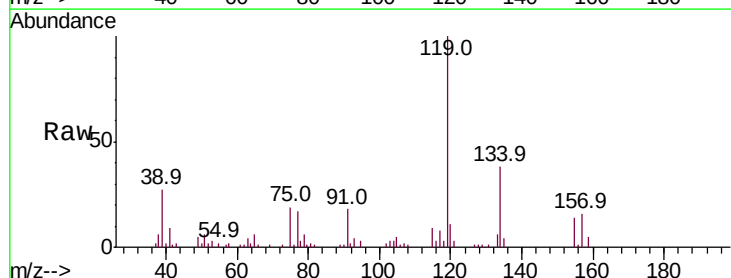
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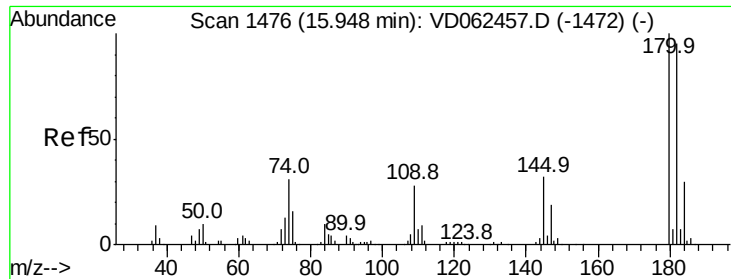
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.101 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.02 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Tgt Ion:	75	Resp:	13499
Ion Ratio	Lower	Upper	
75	100		
155	73.5	55.3	165.8
157	84.4	67.8	203.2





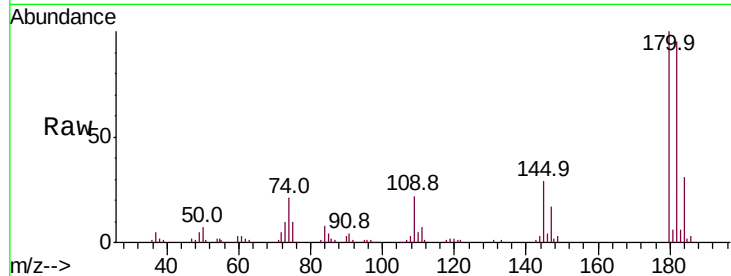
#93
 1,2,4-Trichlorobenzene
 Concen: 15.929 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBS01

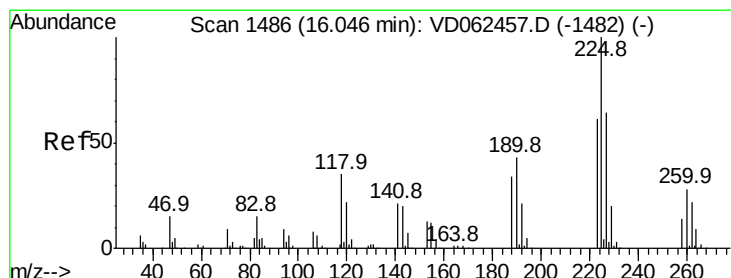
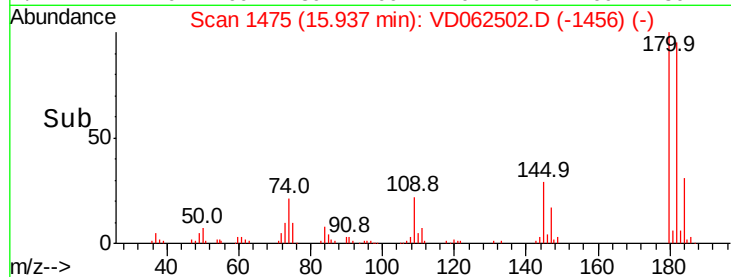
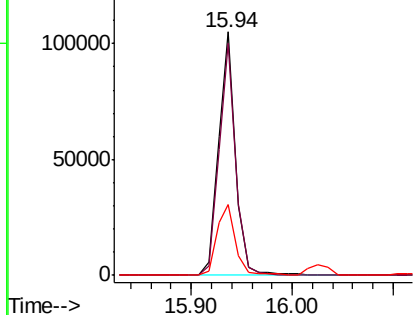
Tot Ion	Ratio	Resp	Lower	Upper
180	100	123158		
182	95.4	49.3	147.8	
145	28.9	16.2	48.6	

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MMDadoda
 5/23/2019 11:21:07 AM

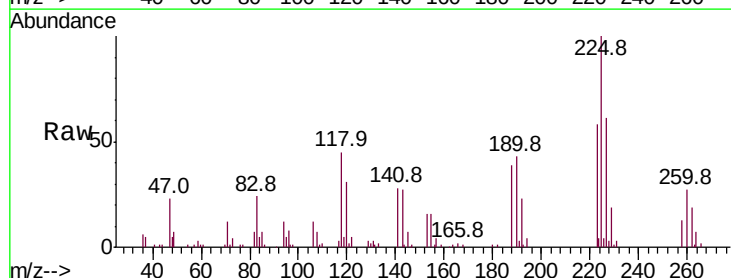


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

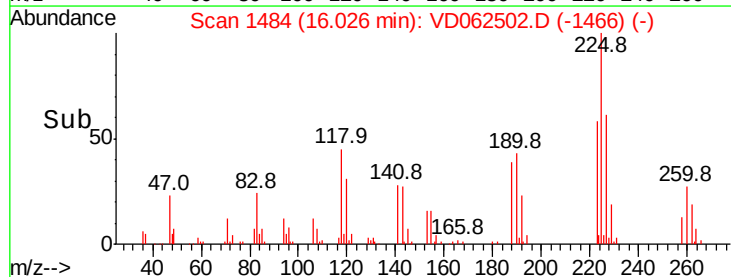
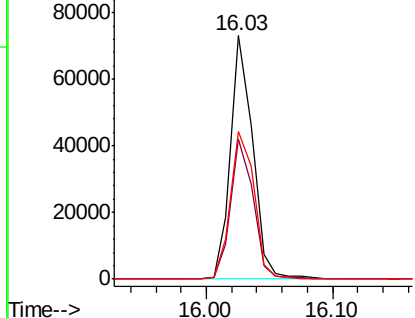


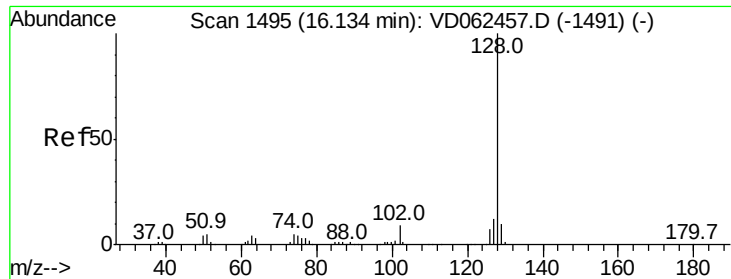
#94
 Hexachlorobutadiene
 Concen: 15.521 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.02 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	88610		
223	57.7	30.6	92.0	
227	60.5	32.0	96.2	



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 25.366 ug/l

RT: 16.11 min Scan# 1493

Delta R.T. -0.02 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

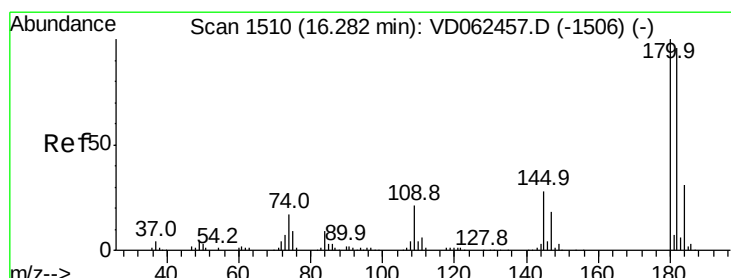
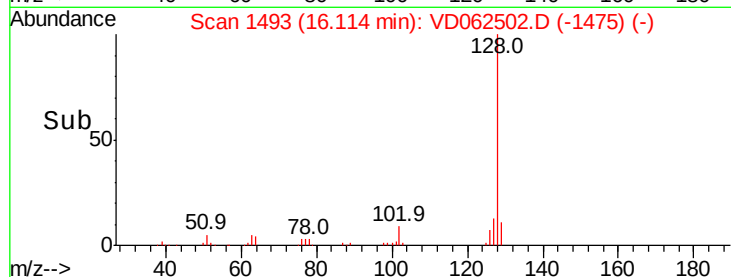
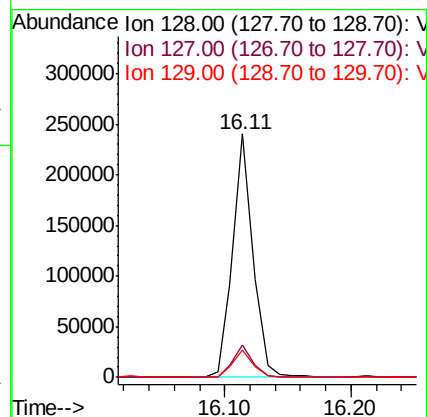
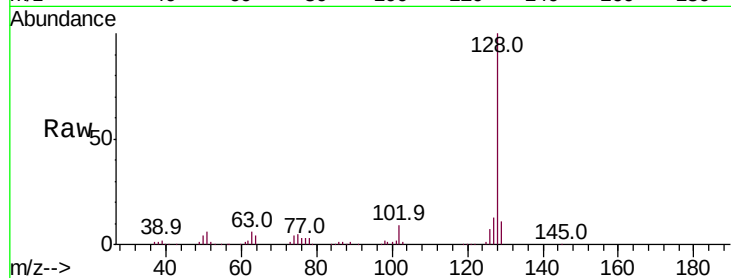
ClientSampleId :

VD0522SBS01

Tot Ion:	128	Resp:	267981
Ion Ratio	Lower	Upper	
128	100		
127	13.3	9.8	14.8
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/23/2019 11:21:07 AM



#96

1,2,3-Trichlorobenzene

Concen: 15.608 ug/l

RT: 16.26 min Scan# 1508

Delta R.T. -0.02 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Tgt Ion:	180	Resp:	98933
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.0	141.0
145	33.5	17.0	51.0

