

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062892.D
 Acq On : 25 Jun 2019 22:58
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/27/2019 12:44:51 AM

Quant Time: Jun 26 07:14:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	899966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1277450	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1070452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	572810	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	441693	45.15	ug/l	0.00
Spiked Amount			Recovery	=	90.30%	
35) Dibromofluoromethane	6.94	113	474117	44.02	ug/l	0.00
Spiked Amount			Recovery	=	88.04%	
50) Toluene-d8	10.42	98	1051440	44.85	ug/l	0.00
Spiked Amount			Recovery	=	89.70%	
62) 4-Bromofluorobenzene	13.56	95	490257	45.99	ug/l	0.00
Spiked Amount			Recovery	=	91.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	491408	42.196	ug/l	100
3) Chloromethane	1.76	50	383788	43.819	ug/l	98
4) Vinyl Chloride	1.85	62	402018	46.294	ug/l	99
5) Bromomethane	2.15	94	185616	45.642	ug/l	97
6) Chloroethane	2.27	64	187797	47.767	ug/l	89
7) Trichlorofluoromethane	2.53	101	784596	44.644	ug/l	98
8) Diethyl Ether	2.87	74	122745	54.969	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.15	101	471738	49.547	ug/l	91
10) Methyl Iodide	3.30	142	632703	50.370	ug/l	98
11) Tert butyl alcohol	4.09	59	116881	262.335	ug/l #	87
12) 1,1-Dichloroethene	3.13	96	361109	50.558	ug/l	91
13) Acrolein	3.04	56	100889	221.810	ug/l	98
14) Allyl chloride	3.62	41	551462	52.253	ug/l	97
15) Acrylonitrile	4.20	53	307852	294.061	ug/l	95
16) Acetone	3.23	43	510428	257.508	ug/l	97
17) Carbon Disulfide	3.37	76	1052309	46.099	ug/l	96
18) Methyl Acetate	3.65	43	204277	69.174	ug/l	96
19) Methyl tert-butyl Ether	4.24	73	901330	58.293	ug/l	95
20) Methylene Chloride	3.82	84	385170	51.628	ug/l	93
21) trans-1,2-Dichloroethene	4.22	96	390974	51.409	ug/l	93
22) Diisopropyl ether	5.14	45	1200702	55.944	ug/l	97
23) Vinyl Acetate	5.07	43	3638724	270.939	ug/l	98
24) 1,1-Dichloroethane	4.99	63	725443	51.914	ug/l	98
25) 2-Butanone	6.08	43	527495	288.308	ug/l	97
26) 2,2-Dichloropropane	6.03	77	683665	46.158	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	432364	53.761	ug/l	93
28) Bromochloromethane	6.44	49	285027	57.914	ug/l	99
29) Tetrahydrofuran	6.46	42	265374	306.555	ug/l	97
30) Chloroform	6.67	83	880835	51.831	ug/l	96
31) Cyclohexane	6.96	56	420330	45.756	ug/l	94
32) 1,1,1-Trichloroethane	6.88	97	838924	47.395	ug/l	95
36) 1,1-Dichloropropene	7.15	75	607739	50.256	ug/l	98
37) Ethyl Acetate	6.19	43	260590	51.328	ug/l	99
38) Carbon Tetrachloride	7.12	117	864250m	47.520	ug/l	

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	491623	46.185	ug/l	99
40) Benzene	7.46	78	1157172	47.671	ug/l	98
41) Methacrylonitrile	6.46	41	349362	54.782	ug/l #	89
42) 1,2-Dichloroethane	7.59	62	655765	49.521	ug/l	100
43) Isopropyl Acetate	9.25	43	333846	52.658	ug/l	97
44) Trichloroethene	8.54	130	475208	49.935	ug/l	94
45) 1,2-Dichloropropane	8.95	63	312086	51.705	ug/l	95
46) Dibromomethane	9.06	93	257580	49.679	ug/l	98
47) Bromodichloromethane	9.38	83	691486	51.351	ug/l	97
48) Methyl methacrylate	9.12	41	245701	54.536	ug/l	95
49) 1,4-Dioxane	9.08	88	41491	1106.938	ug/l	92
51) 4-Methyl-2-Pentanone	10.30	43	1163840	258.922	ug/l	97
52) Toluene	10.51	92	827854	50.735	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	597398	54.203	ug/l	96
54) cis-1,3-Dichloropropene	10.05	75	607851	50.741	ug/l	92
55) 1,1,2-Trichloroethane	11.20	97	289638	51.666	ug/l	93
56) Ethyl methacrylate	11.05	69	312285	52.126	ug/l	98
57) 1,3-Dichloropropane	11.41	76	420933	49.039	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	815745	265.224	ug/l	100
59) 2-Hexanone	11.53	43	918357	286.875	ug/l	99
60) Dibromochloromethane	11.69	129	537800	51.504	ug/l	100
61) 1,2-Dibromoethane	11.81	107	358033	54.076	ug/l	95
64) Tetrachloroethene	11.26	164	453702	51.498	ug/l	96
65) Chlorobenzene	12.40	112	1051872	52.947	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	474181	51.038	ug/l	93
67) Ethyl Benzene	12.53	91	1758462	49.301	ug/l	98
68) m/p-Xylenes	12.68	106	1166249	93.880	ug/l	94
69) o-Xylene	13.05	106	607506	53.495	ug/l	100
70) Styrene	13.07	104	1076071	53.947	ug/l	95
71) Bromoform	13.24	173	355733	55.885	ug/l	96
73) Isopropylbenzene	13.40	105	1826903	49.742	ug/l	99
74) N-amyl acetate	13.27	43	469080	52.592	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	325580	54.407	ug/l	100
76) 1,2,3-Trichloropropane	13.74	75	367654	55.598	ug/l	91
77) Bromobenzene	13.67	156	513355	51.966	ug/l	95
78) n-propylbenzene	13.78	91	2002175	46.837	ug/l	99
79) 2-Chlorotoluene	13.84	91	1280357	52.411	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	1520781	49.296	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	86854	50.115	ug/l	94
82) 4-Chlorotoluene	13.95	91	1500903	51.033	ug/l	93
83) tert-Butylbenzene	14.19	119	1662738	48.354	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	1547284	48.934	ug/l	98
85) sec-Butylbenzene	14.37	105	1844470	49.352	ug/l	97
86) p-Isopropyltoluene	14.49	119	1636615	47.867	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	917376	51.805	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	837068	47.063	ug/l	98
89) n-Butylbenzene	14.80	91	1452730	45.396	ug/l	95
90) Hexachloroethane	15.01	117	448963	48.838	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	759231	50.112	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	66814	57.204	ug/l #	56

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ClientSampleId :
VSTDCCC050

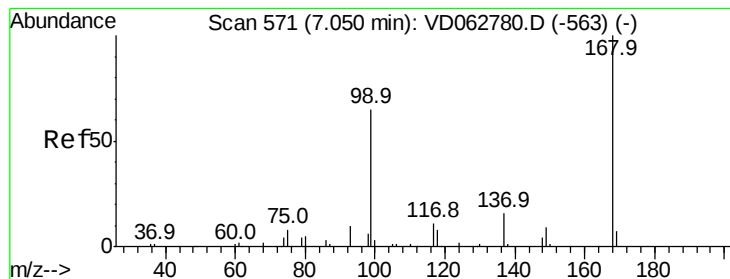
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	579841	48.993	ug/l	97
94) Hexachlorobutadiene	16.04	225	423446	46.833	ug/l	96
95) Naphthalene	16.12	128	935765	56.411	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	476804	52.434	ug/l	95

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



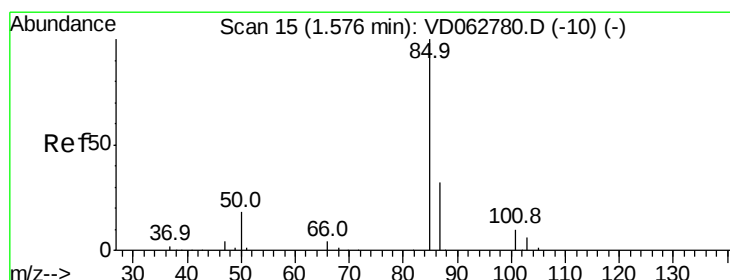
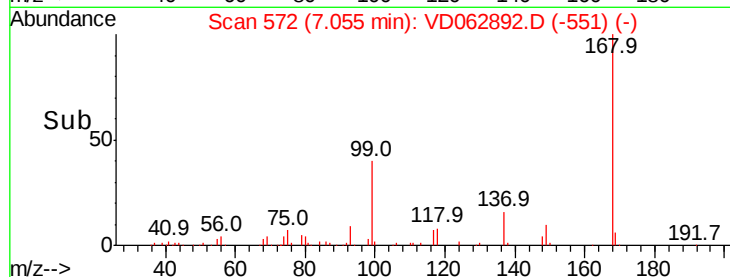
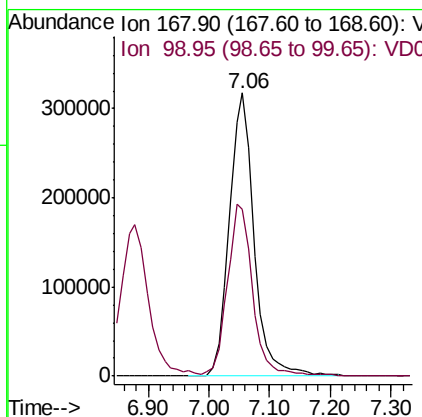
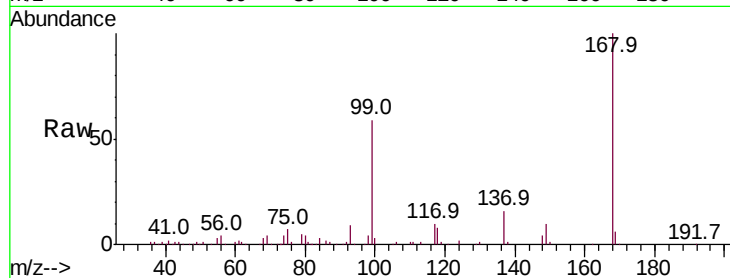
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.01 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	58.8	53.0	79.6

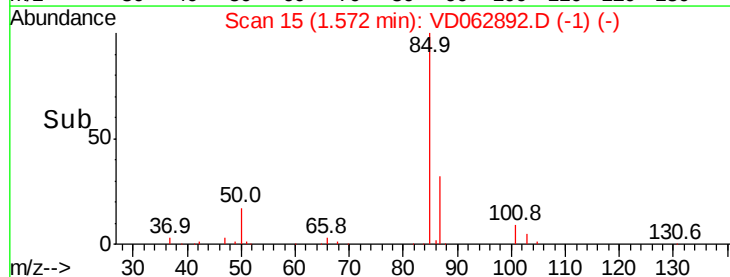
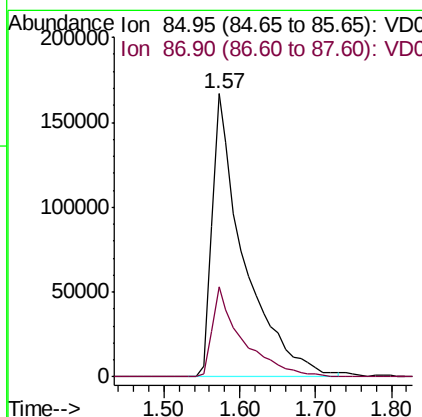
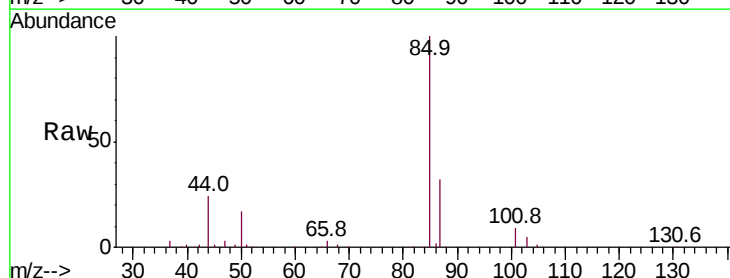
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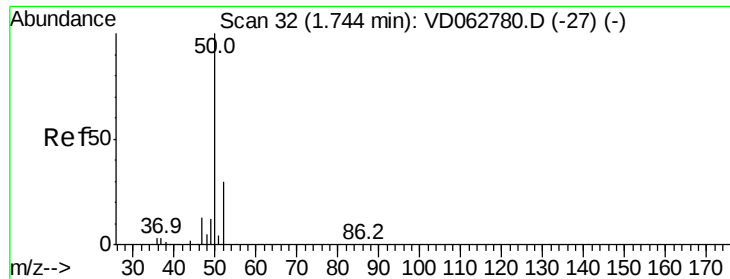
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#2
Dichlorodifluoromethane
Concen: 42.196 ug/l
RT: 1.57 min Scan# 15
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.9	15.9	47.6





#3

Chloromethane

Concen: 43.819 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 383788

Ion Ratio Lower Upper

50 100

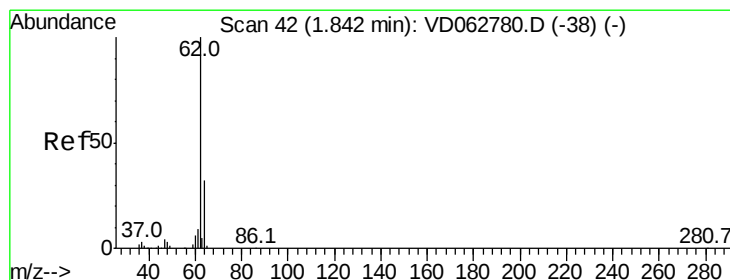
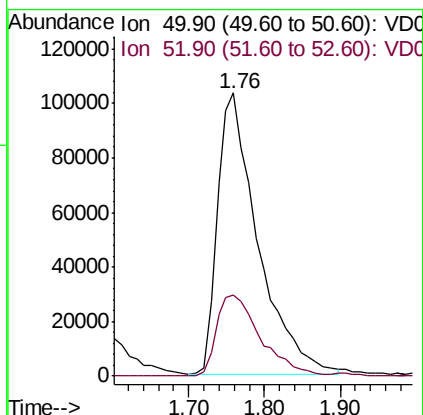
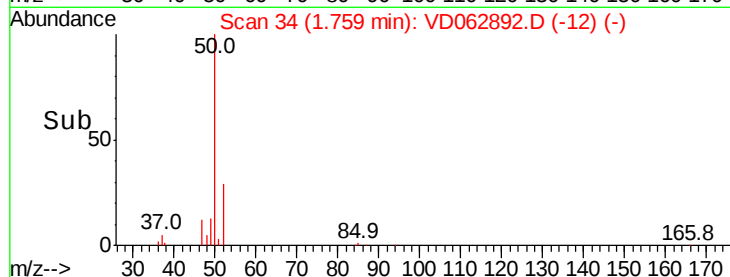
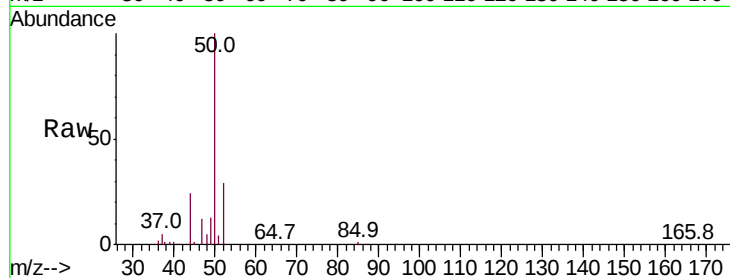
52 28.5 23.6 35.4

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#4

Vinyl Chloride

Concen: 46.294 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062892.D

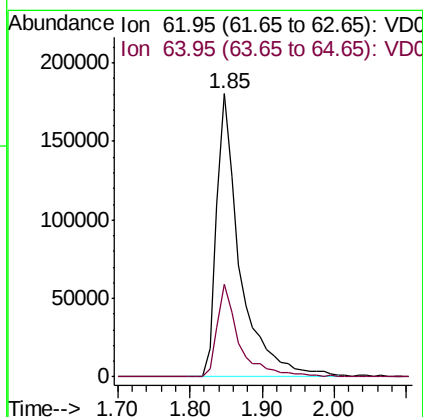
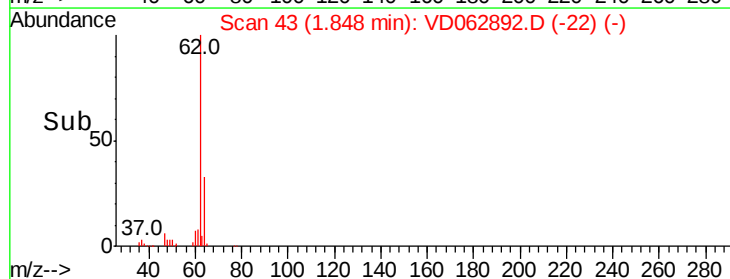
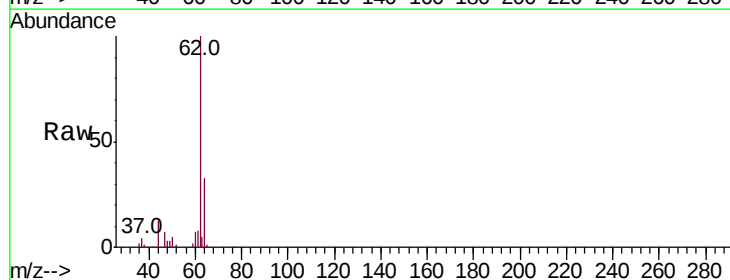
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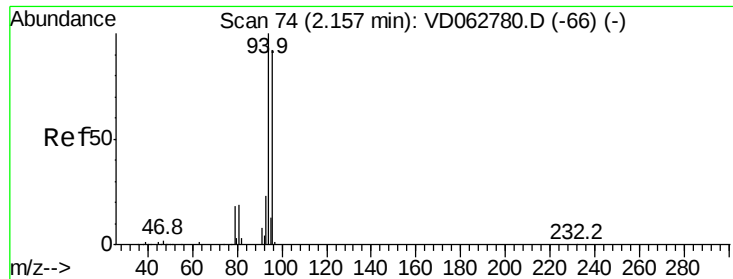
Tgt Ion: 62 Resp: 402018

Ion Ratio Lower Upper

62 100

64 32.8 25.6 38.4





#5

Bromomethane

Concen: 45.642 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Instrument :

MSVOA_D

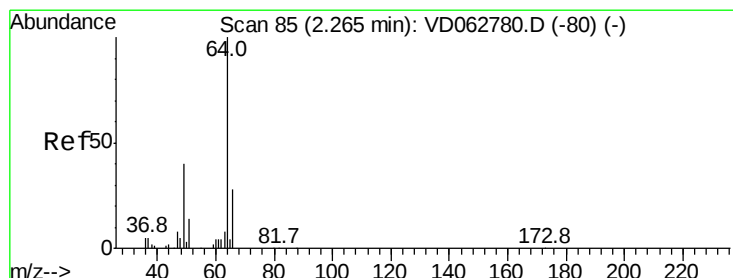
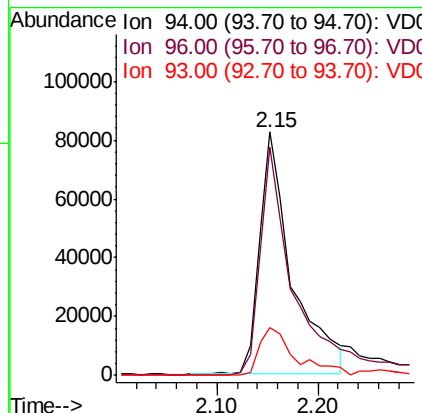
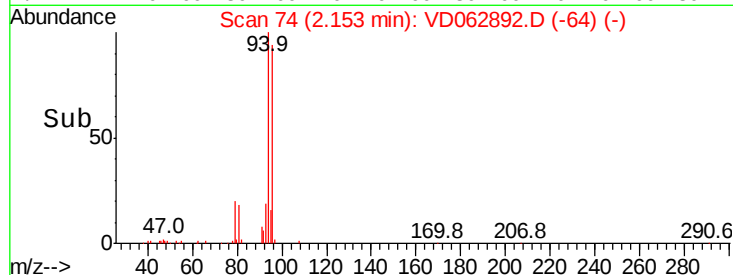
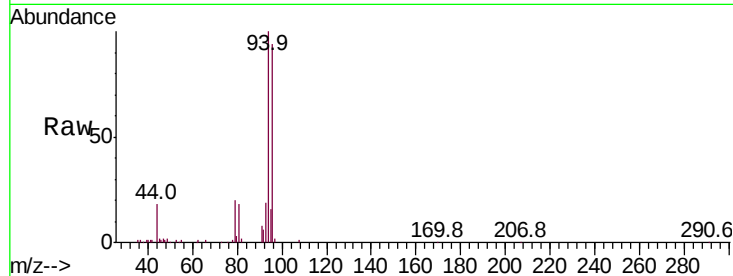
ClientSampleID :

VSTDCCC050

Tot Ion:	94	Resp:	185616
Ion	Ratio	Lower	Upper
94	100		
96	93.9	73.4	110.2
93	19.4	18.2	27.4

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#6

Chloroethane

Concen: 47.767 ug/l

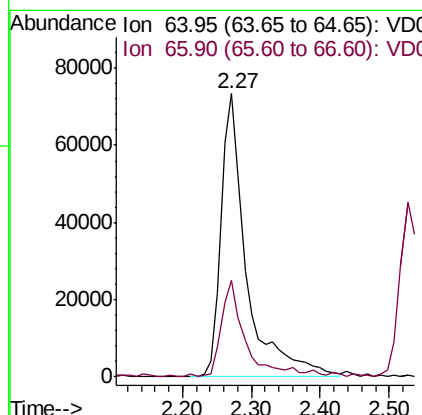
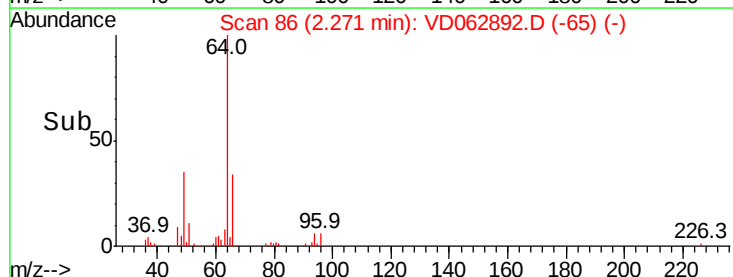
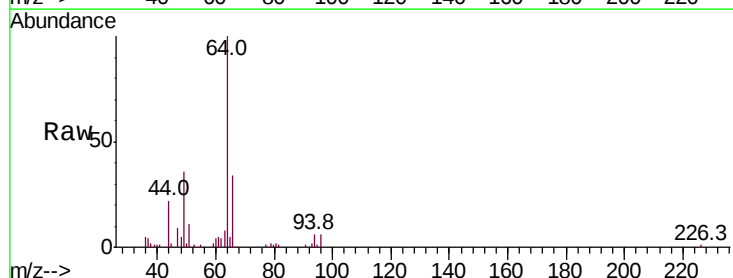
RT: 2.27 min Scan# 86

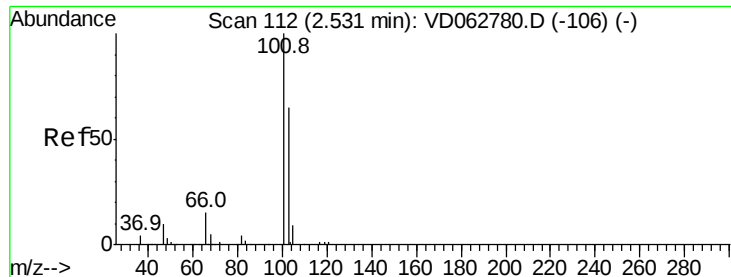
Delta R.T. 0.01 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Tgt Ion:	64	Resp:	187797
Ion	Ratio	Lower	Upper
64	100		
66	34.3	23.0	34.4





#7

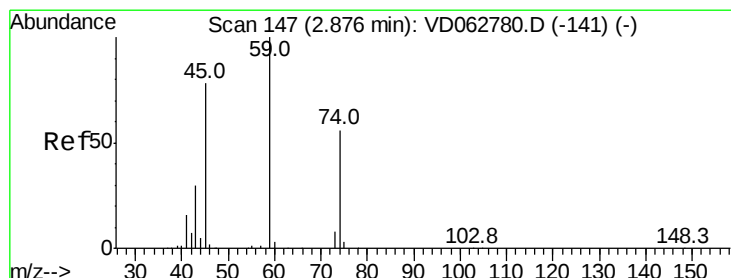
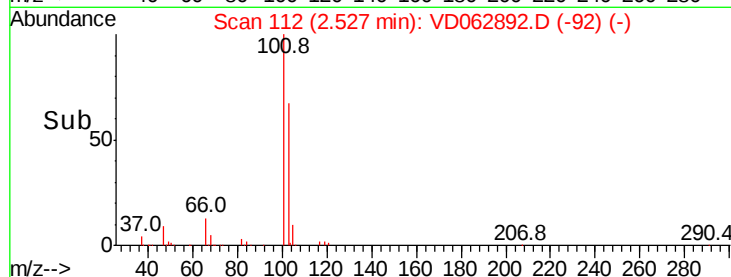
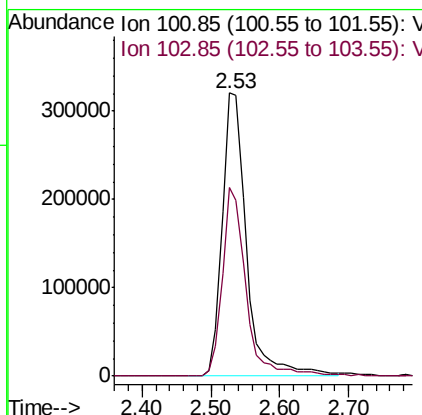
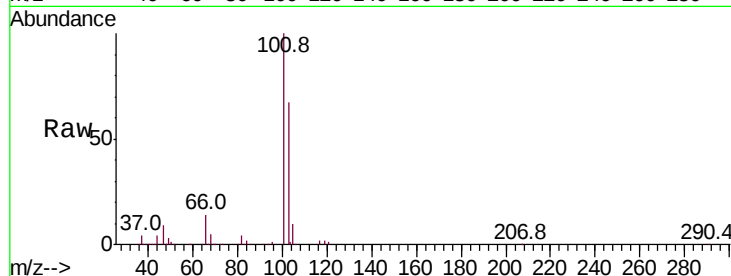
Trichlorofluoromethane
 Concen: 44.644 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD062892.D
 Acq: 25 Jun 2019 22:58

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	51.8	77.8

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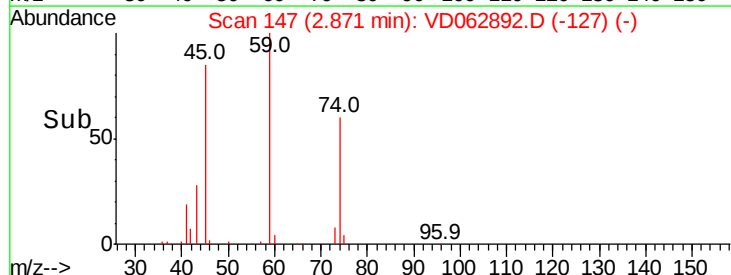
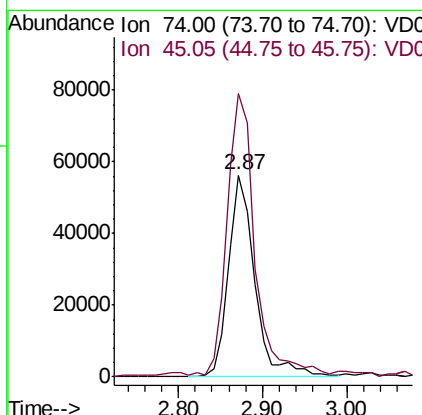
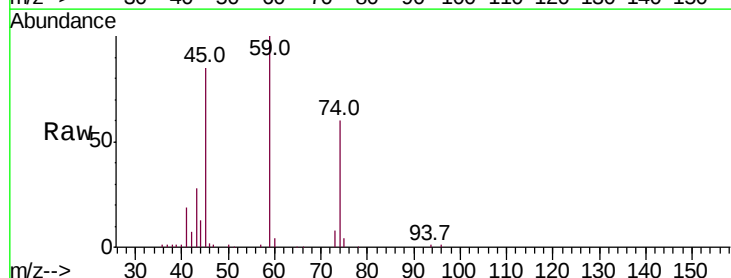
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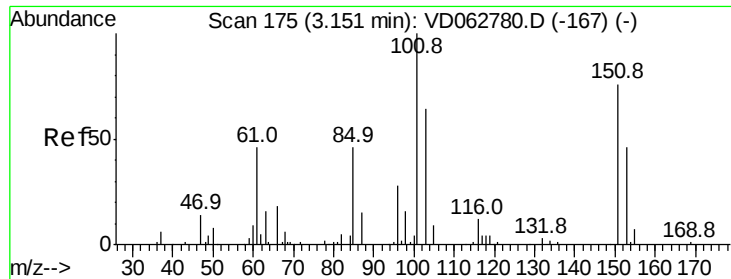


#8

Diethyl Ether
 Concen: 54.969 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD062892.D
 Acq: 25 Jun 2019 22:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	140.4	70.2	210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.547 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Instrument :

MSVOA_D

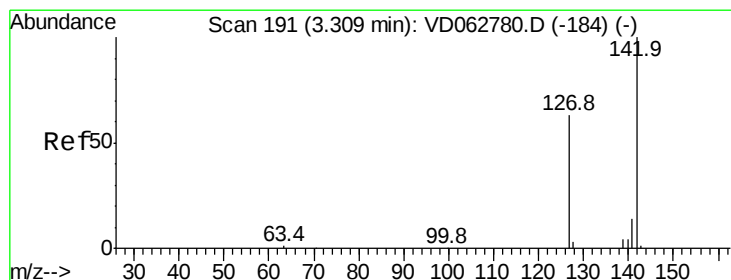
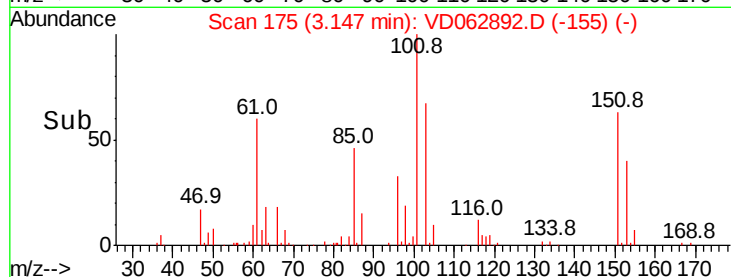
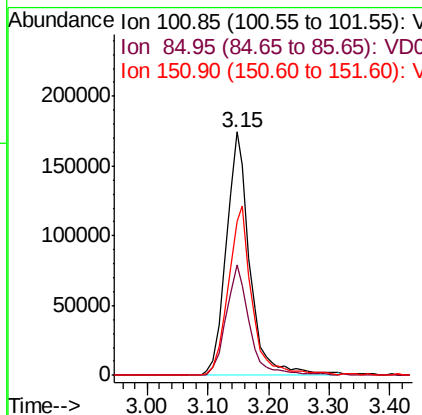
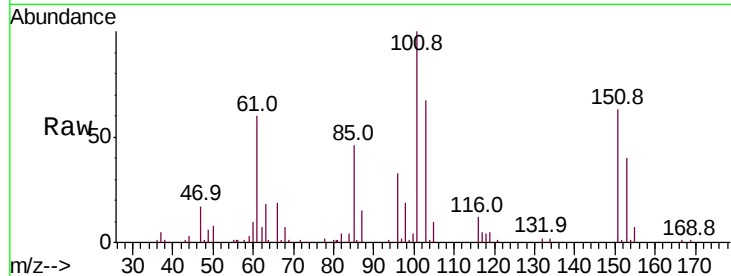
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	471738
Ion Ratio	Lower	Upper	
101	100		
85	45.6	37.0	55.4
151	63.3	60.5	90.7

Manual Integrations
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#10

Methyl Iodide

Concen: 50.370 ug/l

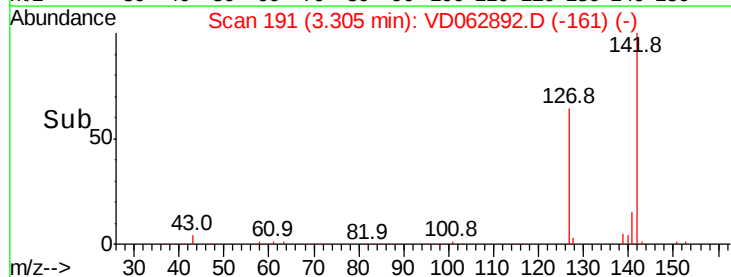
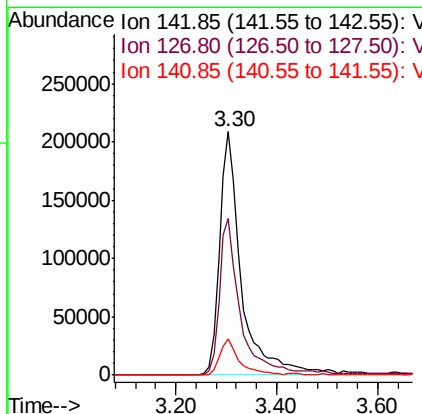
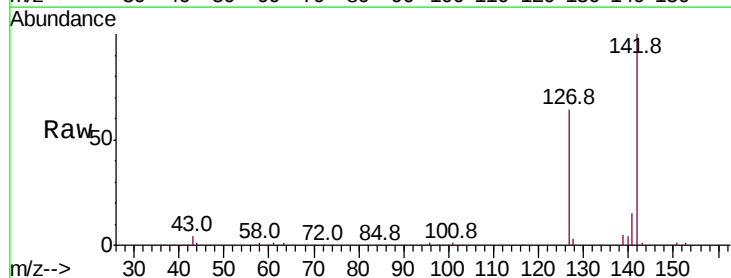
RT: 3.30 min Scan# 191

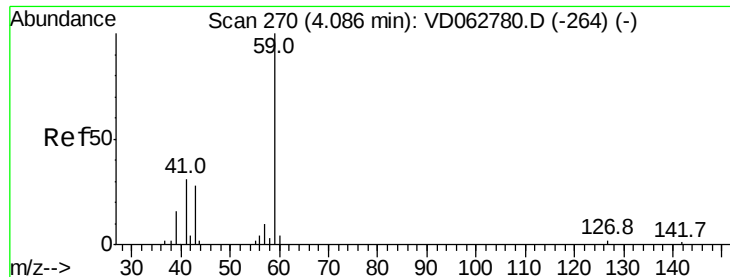
Delta R.T. -0.00 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Tgt Ion:	142	Resp:	632703
Ion Ratio	Lower	Upper	
142	100		
127	64.2	50.1	75.1
141	14.8	11.0	16.4





#11

Tert butyl alcohol

Concen: 262.335 ug/l

RT: 4.09 min Scan# 271

Delta R.T. 0.01 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

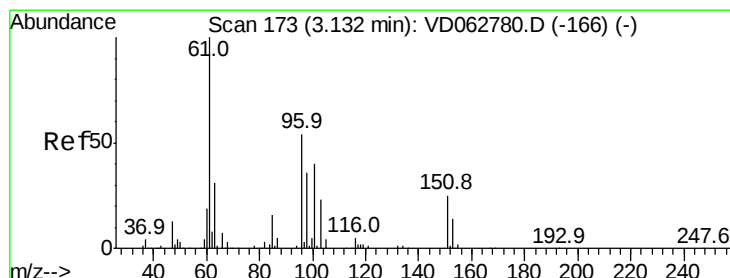
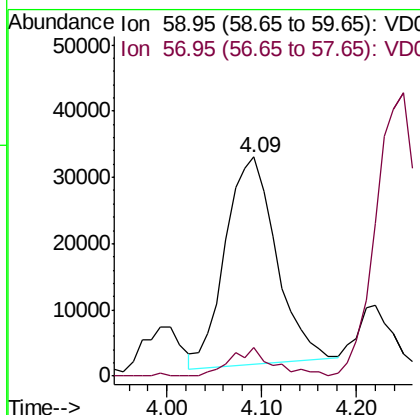
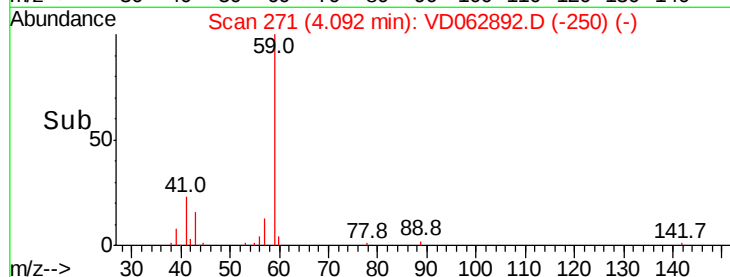
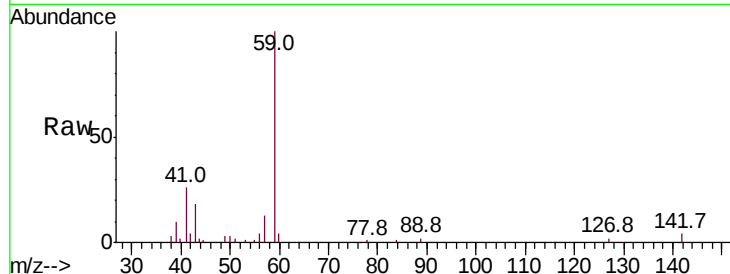
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 116881

Ion	Ratio	Lower	Upper
59	100		
57	13.1	6.6	10.0#

Manual Integrations
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6/27/2019 12:44:51 AM



#12

1,1-Dichloroethene

Concen: 50.558 ug/l

RT: 3.13 min Scan# 173

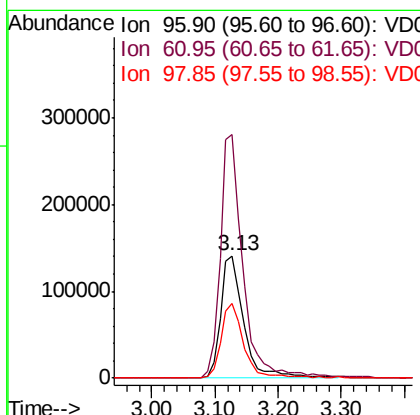
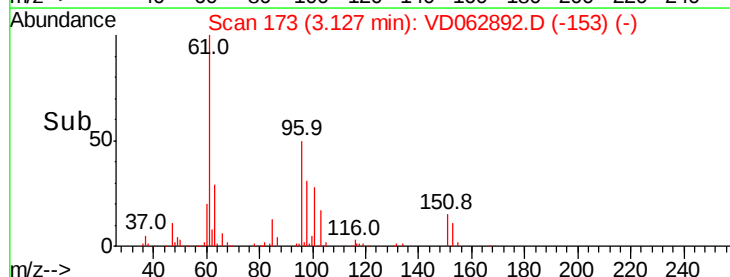
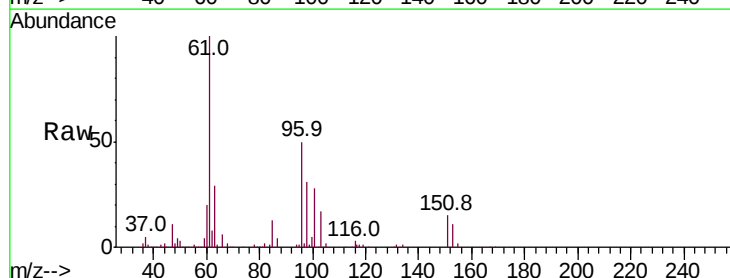
Delta R.T. -0.00 min

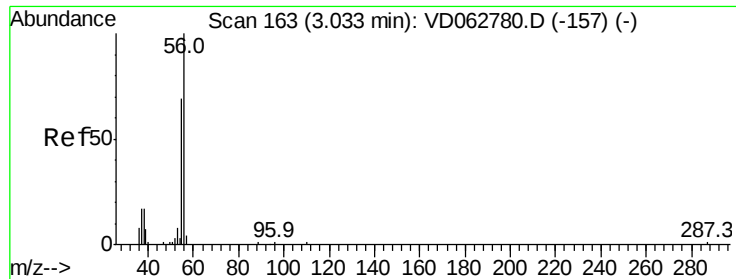
Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Tgt Ion: 96 Resp: 361109

Ion	Ratio	Lower	Upper
96	100		
61	198.6	147.1	220.7
98	60.9	52.6	79.0





#13

Acrolein

Concen: 221.810 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 100889

Ion Ratio Lower Upper

56 100

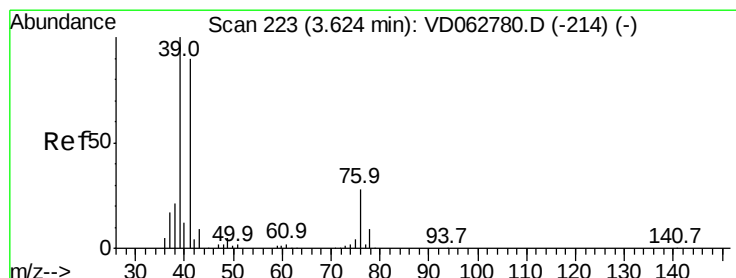
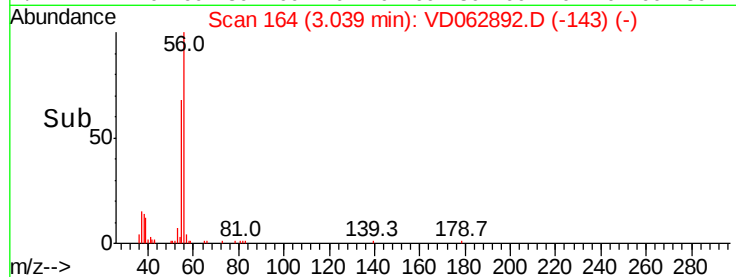
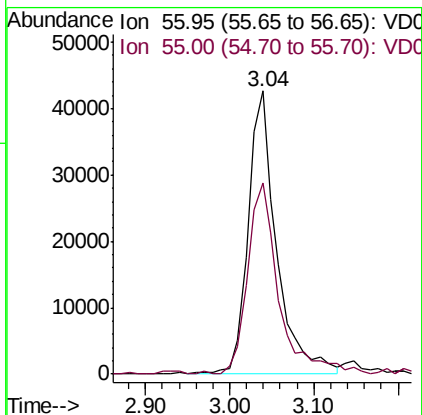
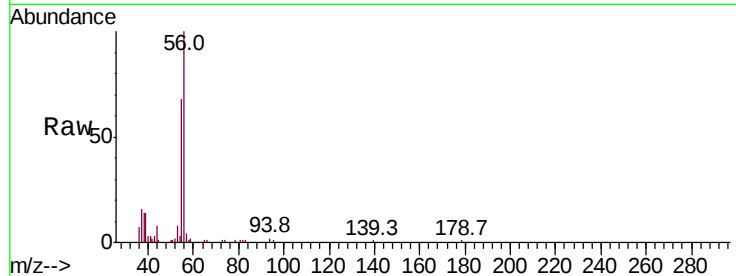
55 67.8 55.4 83.0

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 52.253 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

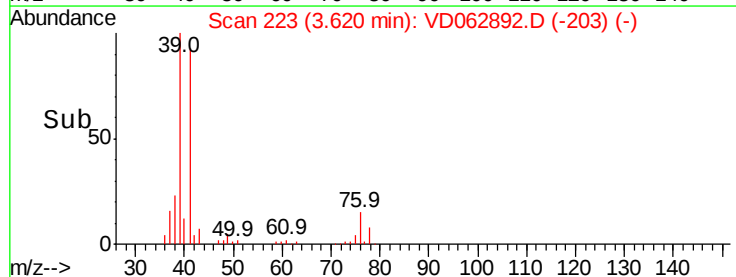
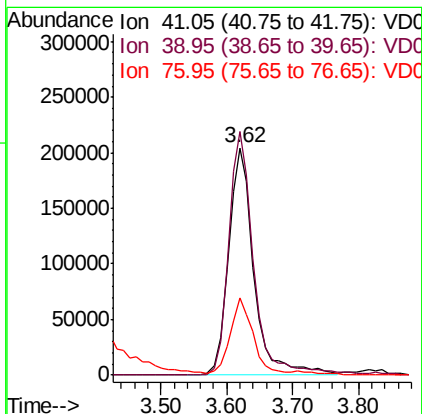
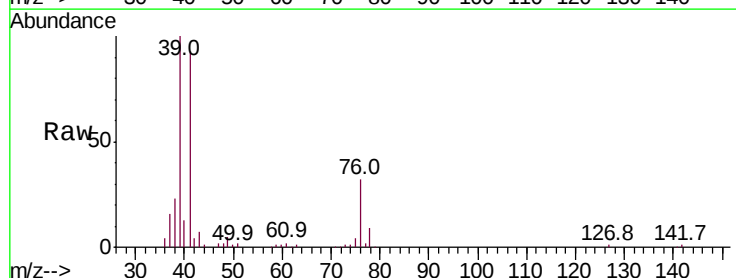
Tgt Ion: 41 Resp: 551462

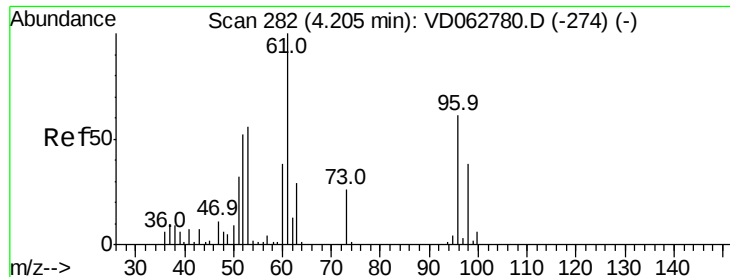
Ion Ratio Lower Upper

41 100

39 107.2 88.8 133.2

76 33.8 26.7 40.1





#15

Acrylonitrile

Concen: 294.061 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 307852

Ion Ratio Lower Upper

53 100

52 89.3 73.3 109.9

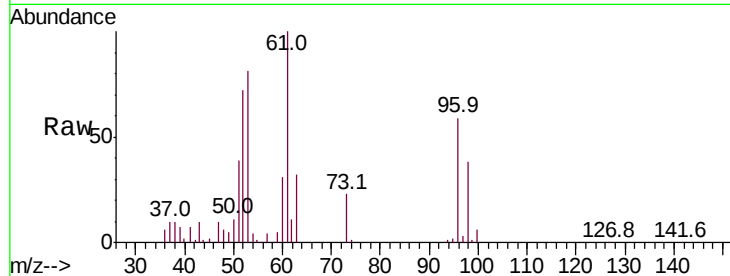
51 48.7 44.8 67.2

Manual Integrations

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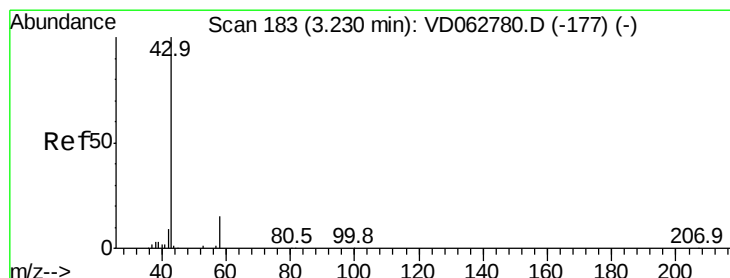
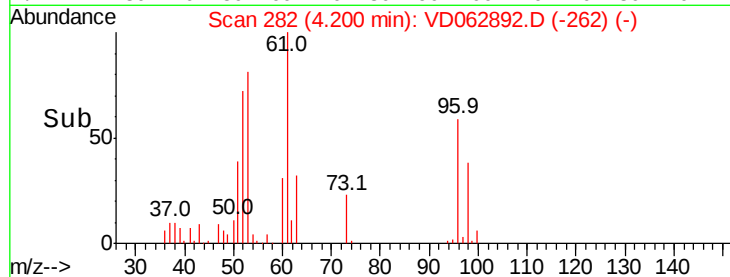
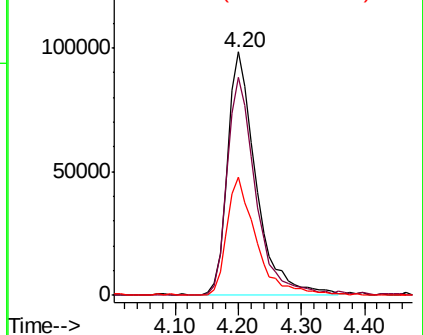
6/27/2019 12:44:51 AM



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 257.508 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062892.D

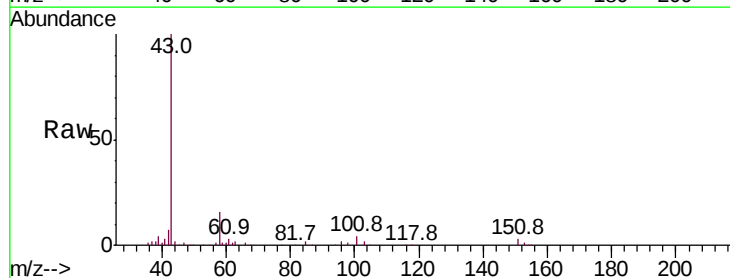
Acq: 25 Jun 2019 22:58

Tgt Ion: 43 Resp: 510428

Ion Ratio Lower Upper

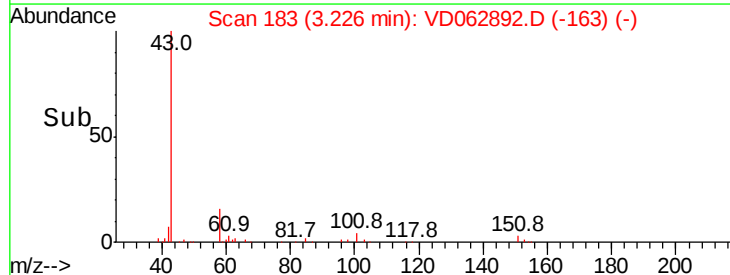
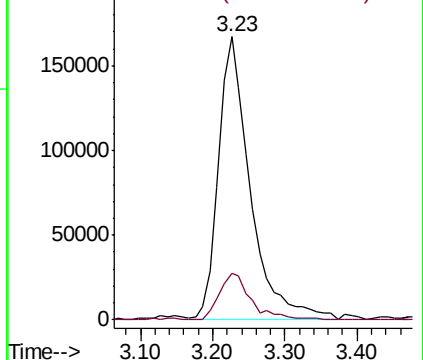
43 100

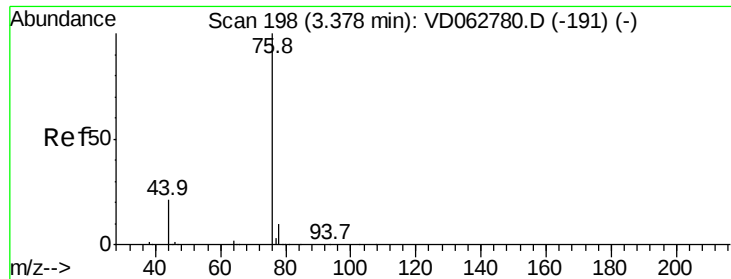
58 16.2 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





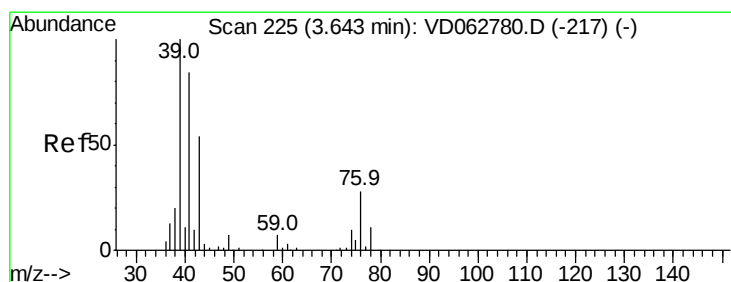
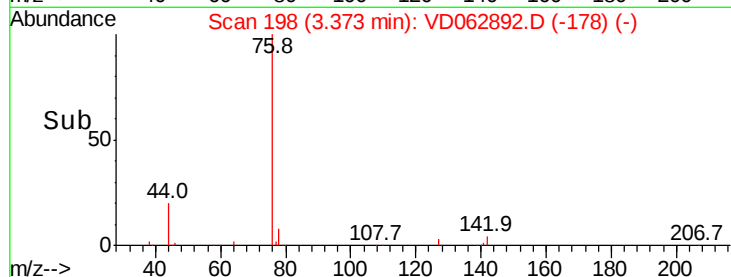
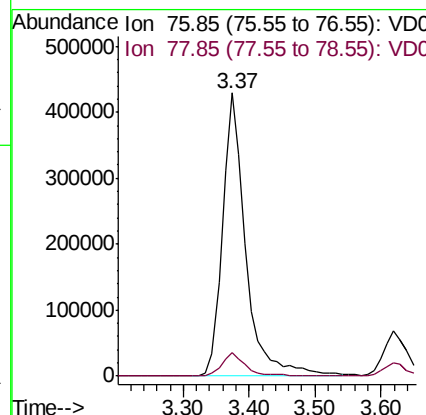
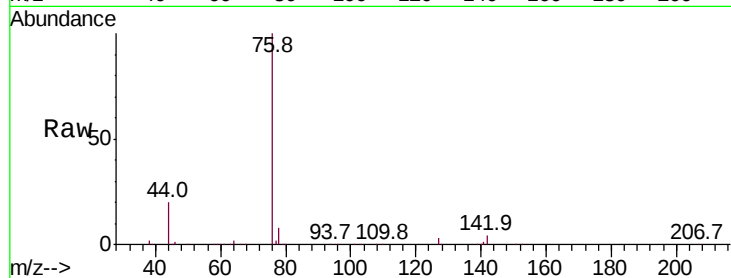
#17
Carbon Disulfide
Concen: 46.099 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1052309
Ion Ratio Lower Upper
76 100
78 8.4 8.0 12.0

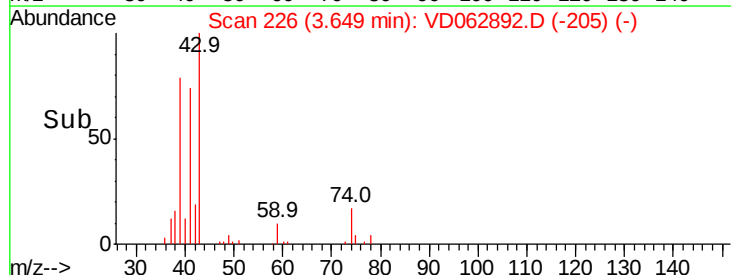
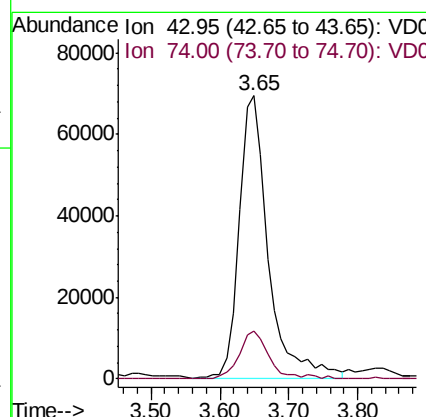
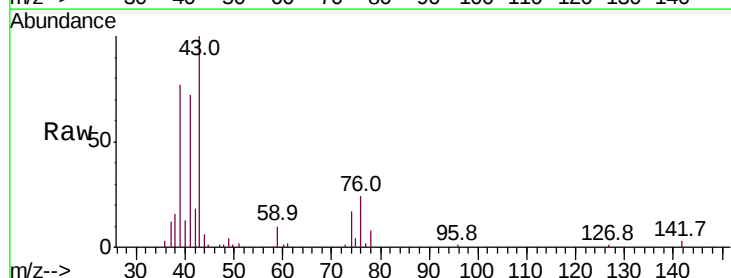
Manual Integrations
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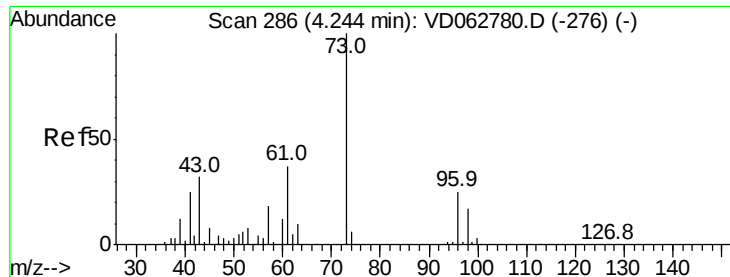
MMDadoda
6/27/2019 12:44:51 AM



#18
Methyl Acetate
Concen: 69.174 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Tgt Ion: 43 Resp: 204277
Ion Ratio Lower Upper
43 100
74 17.1 15.2 22.8





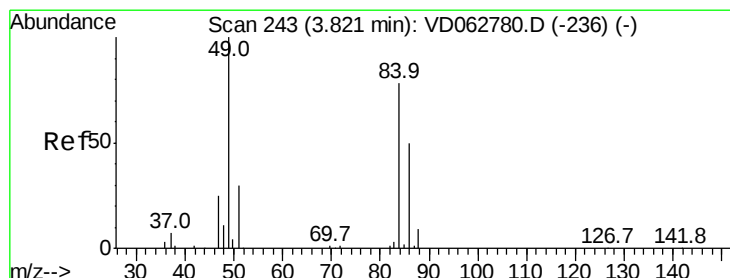
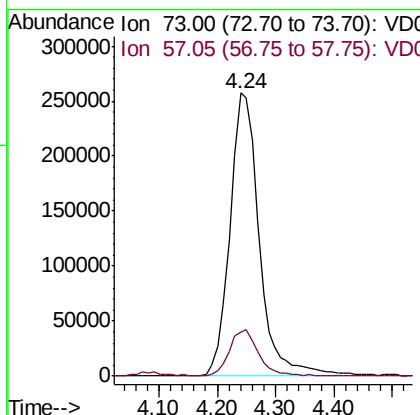
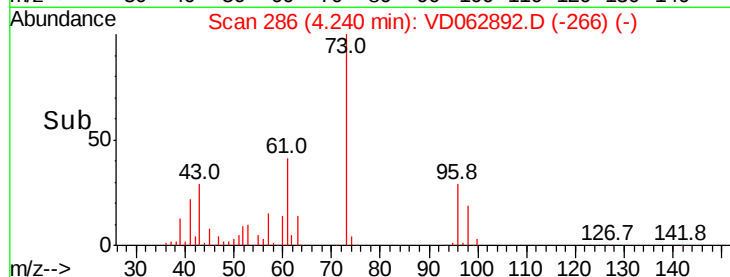
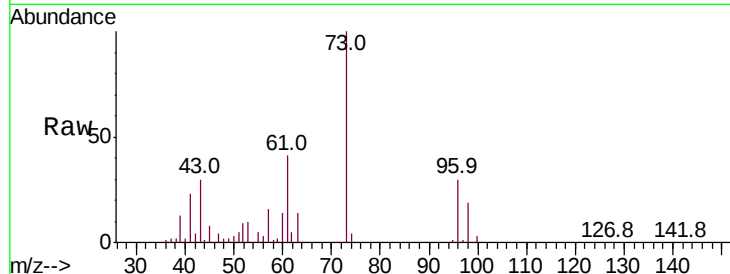
#19
Methyl tert-butyl Ether
Concen: 58.293 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 901330
Ion Ratio Lower Upper
73 100
57 15.7 14.3 21.5

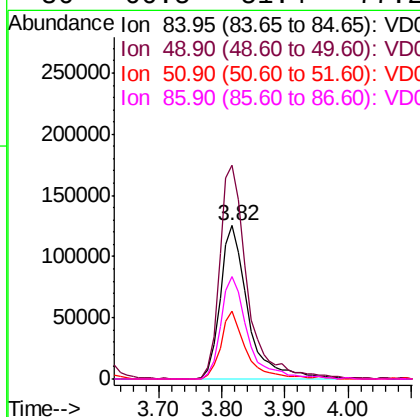
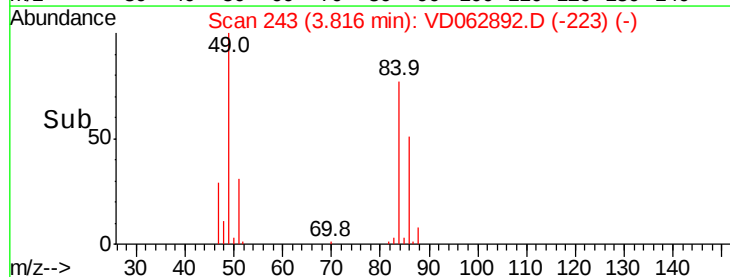
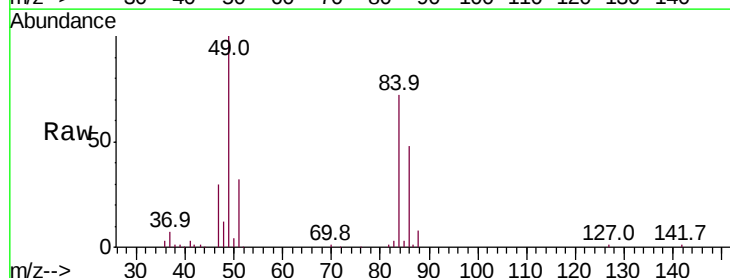
Manual Integrations
APPROVED

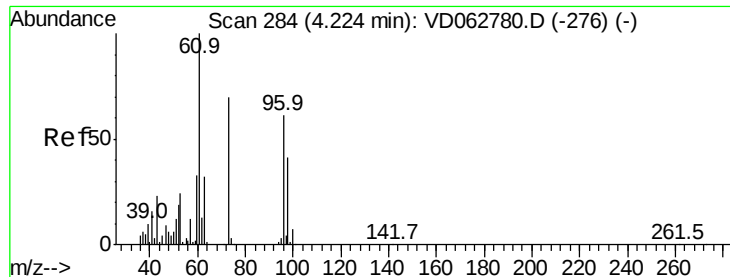
MMDadoda
6/27/2019 12:44:51 AM



#20
Methylene Chloride
Concen: 51.628 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Tgt Ion: 84 Resp: 385170
Ion Ratio Lower Upper
84 100
49 139.2 102.9 154.3
51 43.9 31.2 46.8
86 66.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 51.409 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 390974

Ion Ratio Lower Upper

96 100

61 151.8 131.0 196.4

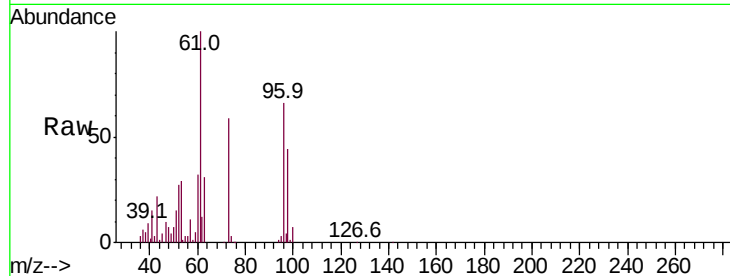
98 67.3 53.2 79.8

Manual Integrations

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MMDadoda

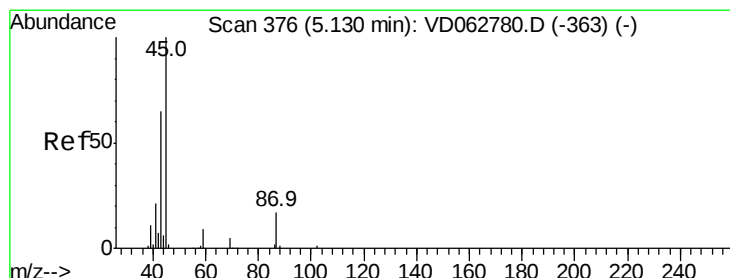
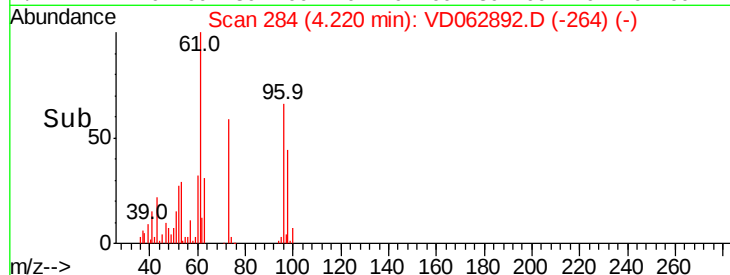
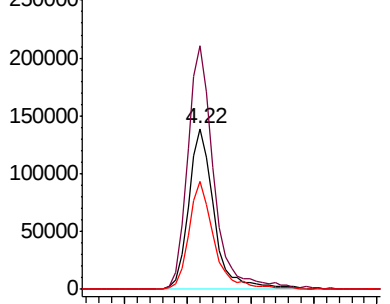
6/27/2019 12:44:51 AM



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: 55.944 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Tgt Ion: 45 Resp: 1200702

Ion Ratio Lower Upper

45 100

43 64.2 53.4 80.0

87 20.3 14.6 22.0

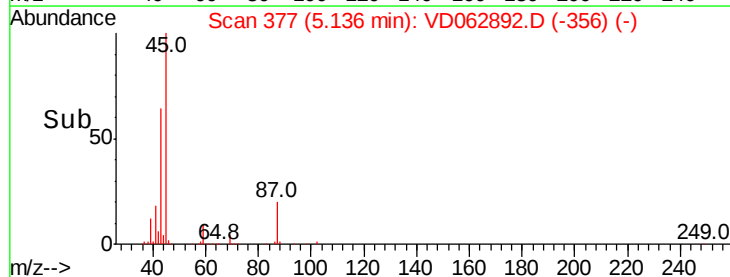
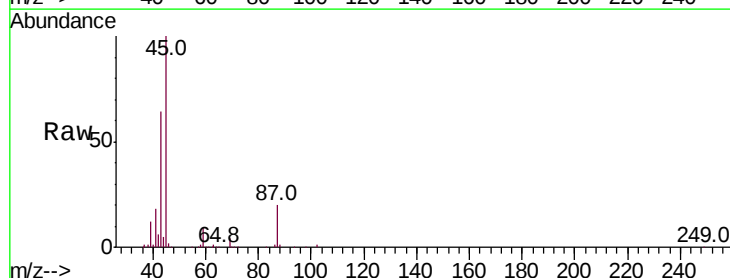
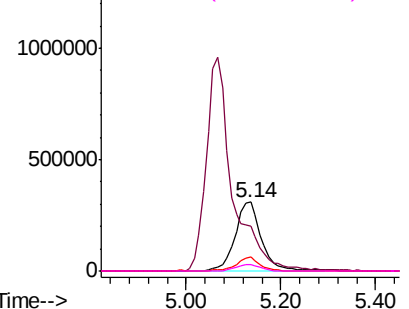
59 8.6 7.8 11.8

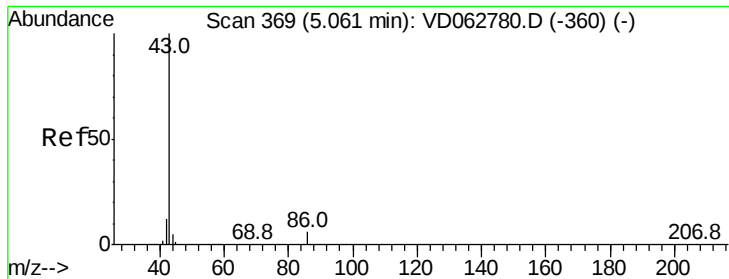
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 270.939 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 3638724

Ion Ratio Lower Upper

43 100

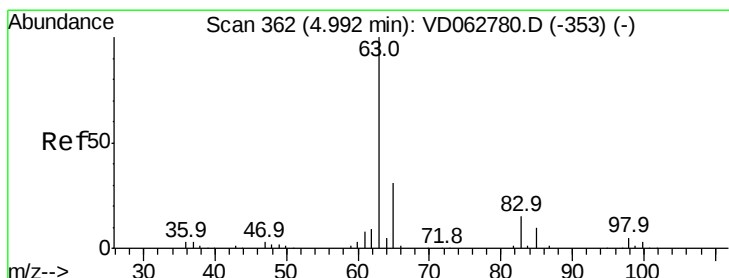
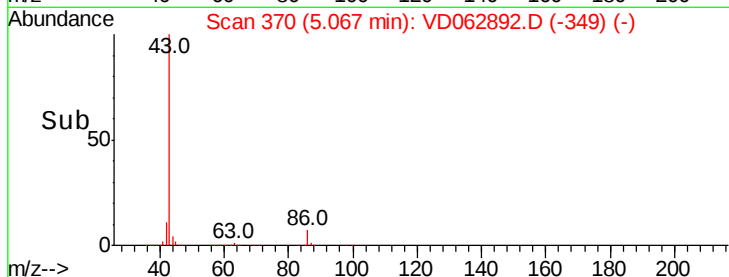
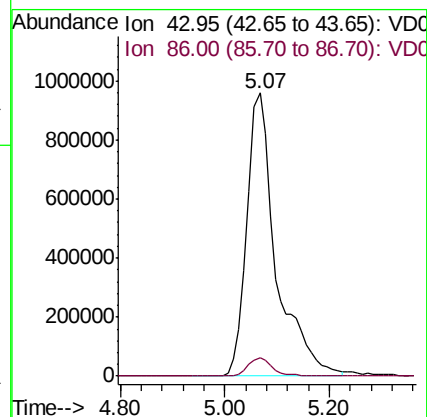
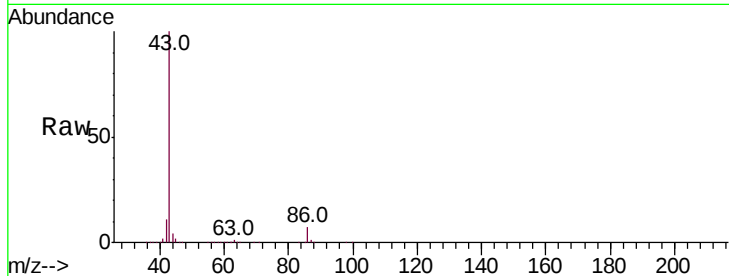
86 6.7 4.7 7.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.914 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

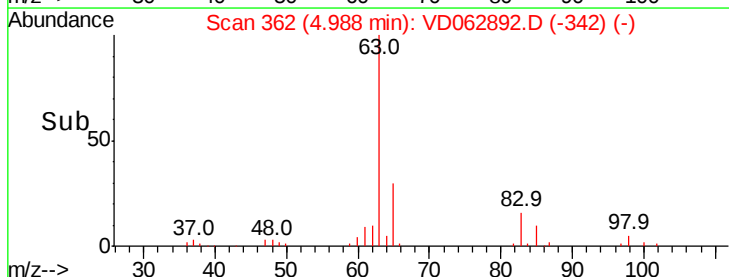
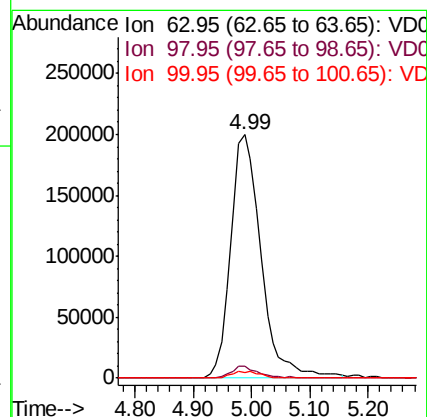
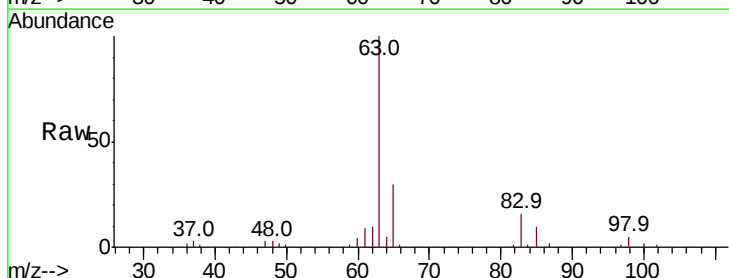
Tgt Ion: 63 Resp: 725443

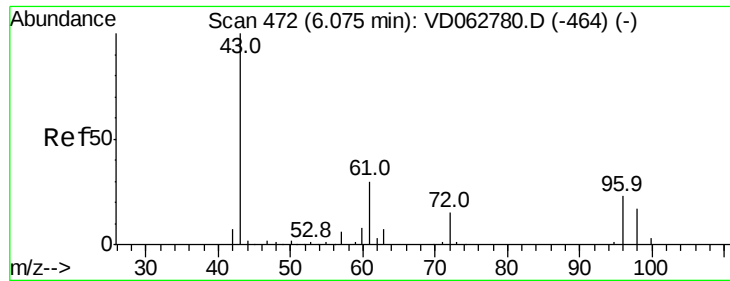
Ion Ratio Lower Upper

63 100

98 4.9 2.3 6.9

100 2.2 1.7 5.1





#25

2-Butanone

Concen: 288.308 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 527495

Ion Ratio Lower Upper

43 100

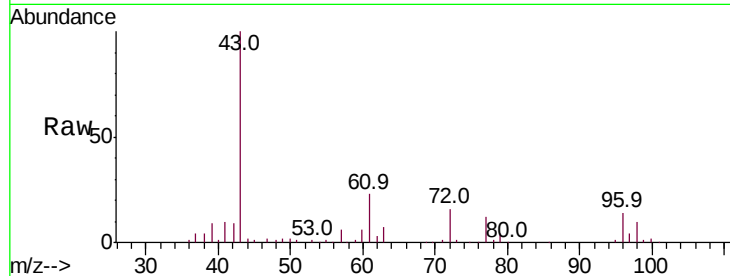
72 16.2 11.9 17.9

Manual Integrations

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MMDadoda

6/27/2019 12:44:51 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.08

150000

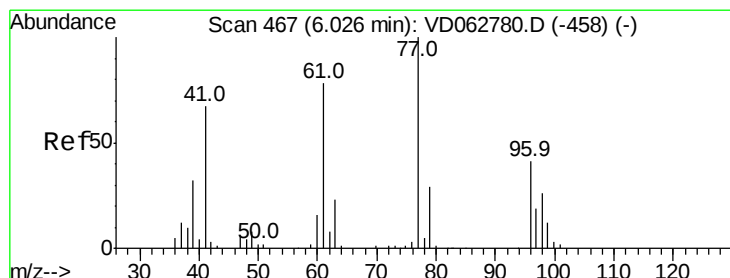
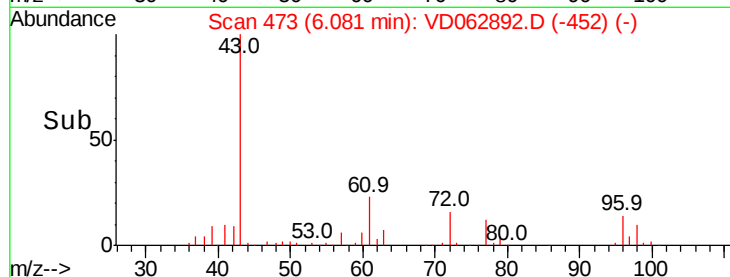
100000

50000

0

6.00 6.10

Time-->



#26

2,2-Dichloropropane

Concen: 46.158 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD062892.D

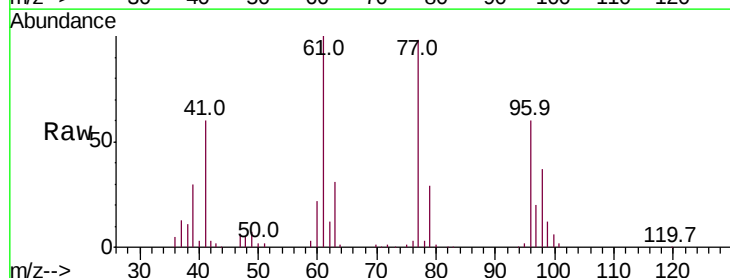
Acq: 25 Jun 2019 22:58

Tgt Ion: 77 Resp: 683665

Ion Ratio Lower Upper

77 100

97 20.6 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.03

200000

150000

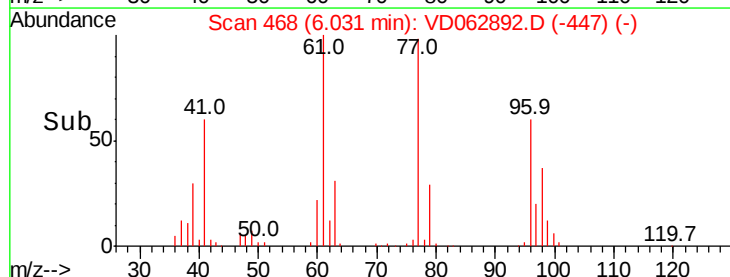
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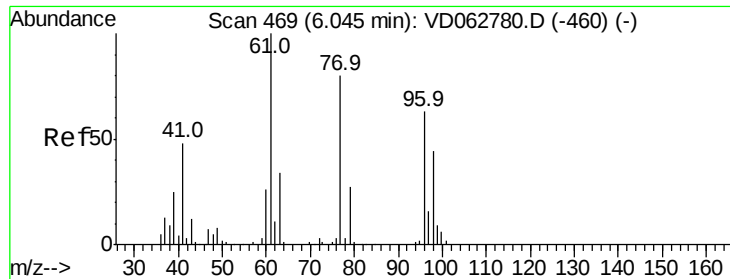
50000

0

5.90 6.00 6.10 6.20

Time-->





#27

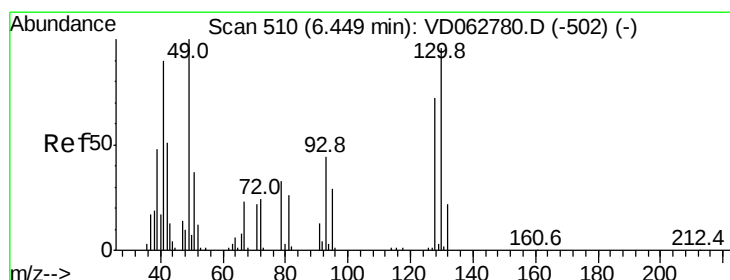
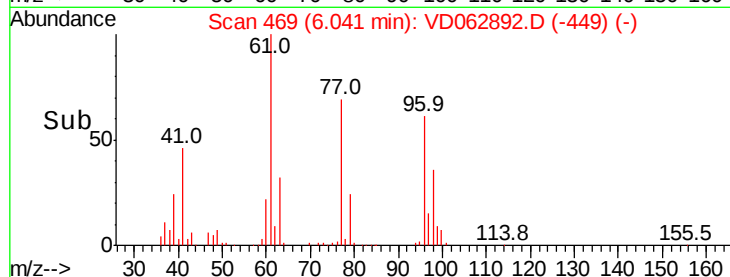
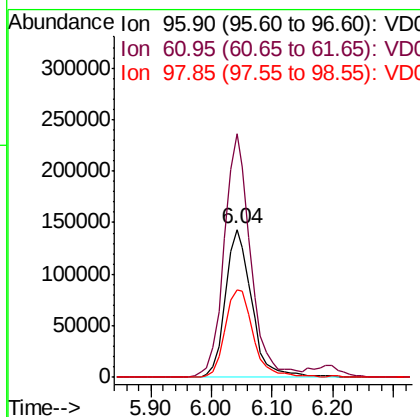
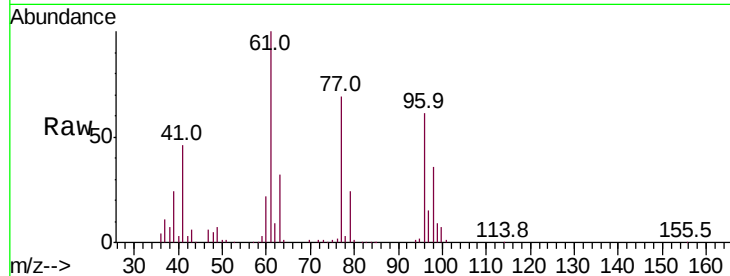
cis-1,2-Dichloroethene
Concen: 53.761 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.8	0.0	316.0
98	59.5	0.0	138.4

Manual Integrations
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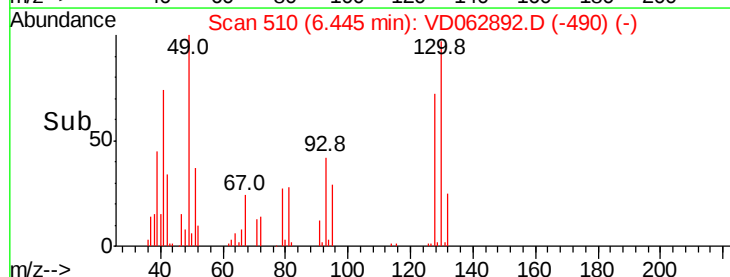
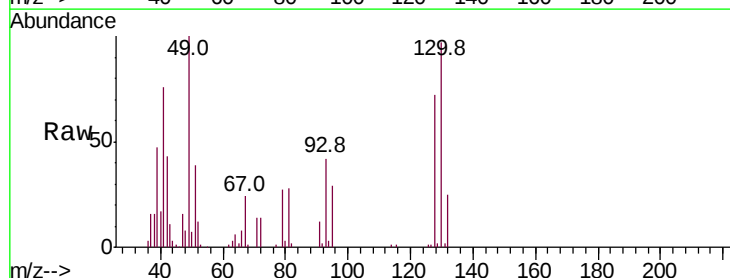
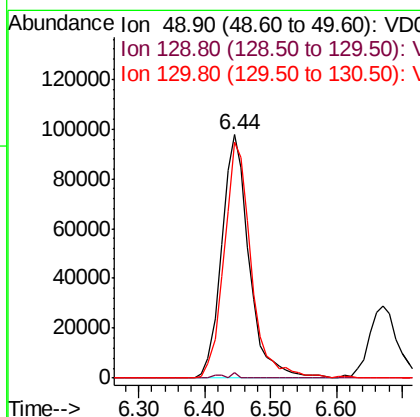
MMDadoda
6/27/2019 12:44:51 AM

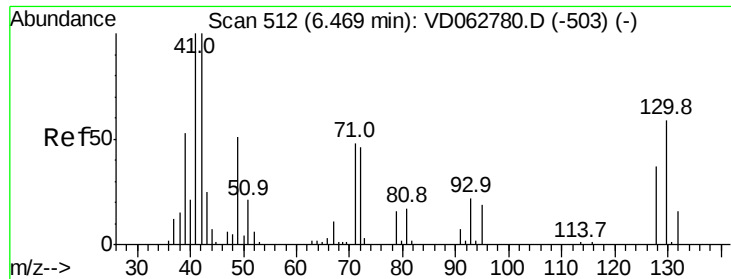


#28

Bromochloromethane
Concen: 57.914 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.6
130	96.9	76.6	114.8





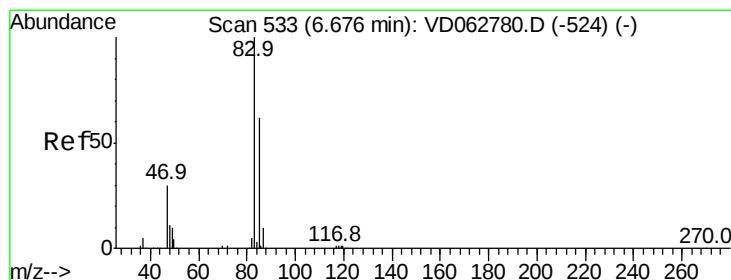
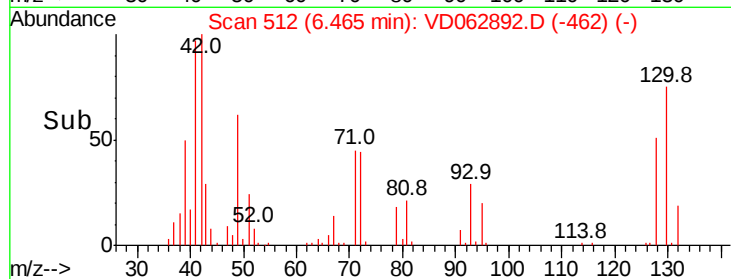
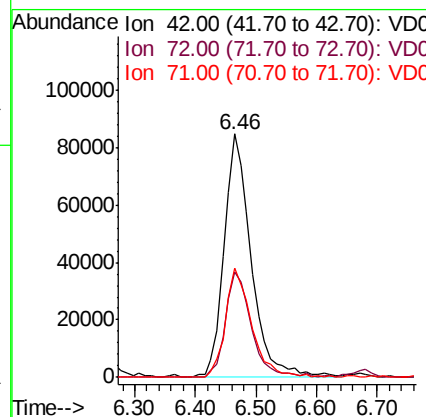
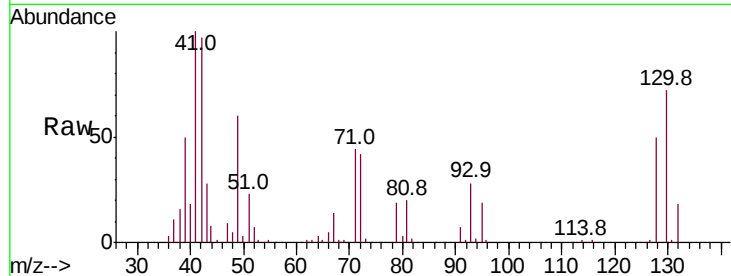
#29
Tetrahydrofuran
Concen: 306.555 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	35.0	52.6
71	42.7	33.3	49.9

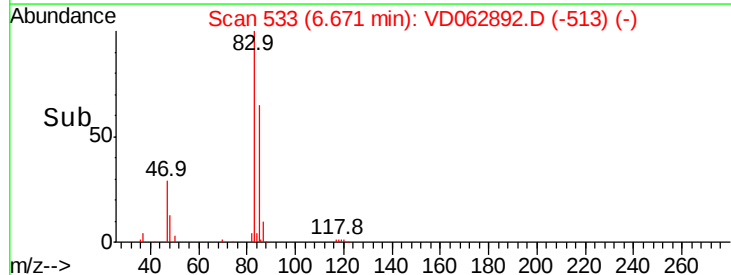
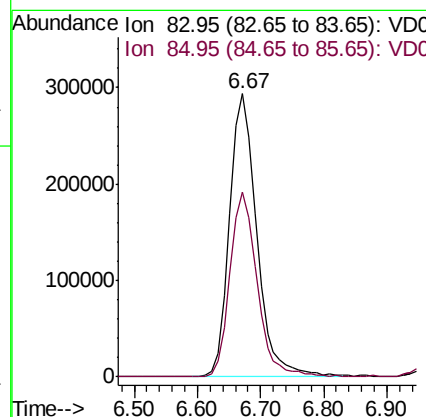
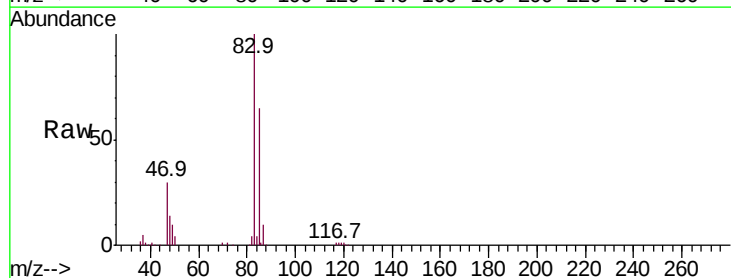
Manual Integrations
APPROVED

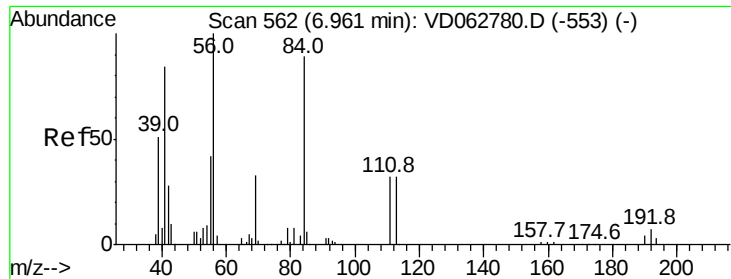
MMDadoda
6/27/2019 12:44:51 AM



#30
Chloroform
Concen: 51.831 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.8	74.6





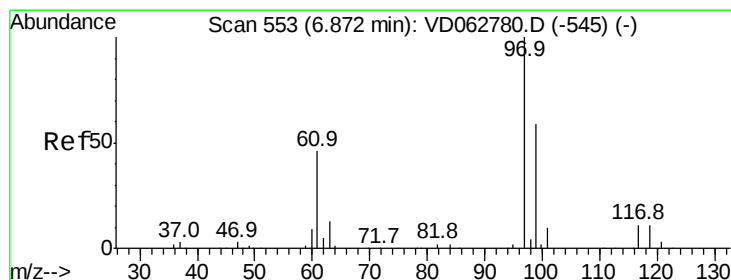
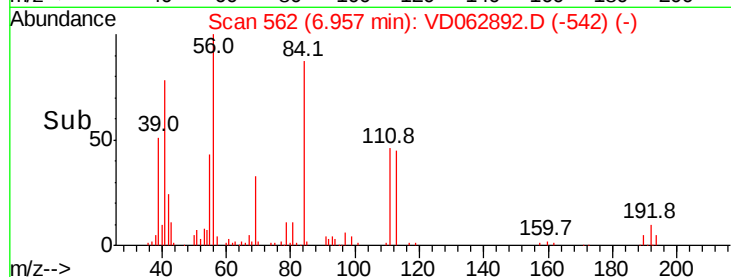
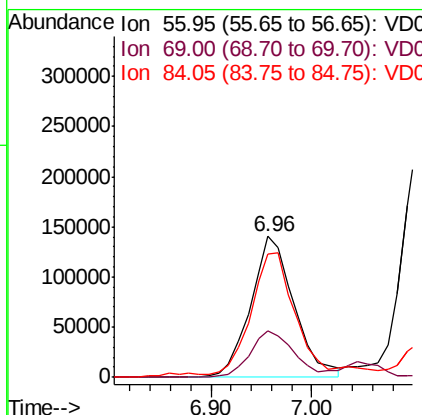
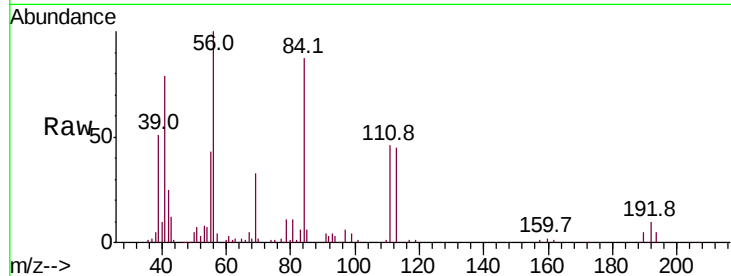
#31
Cyclohexane
Concen: 45.756 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.6	39.8
84	87.1	75.5	113.3

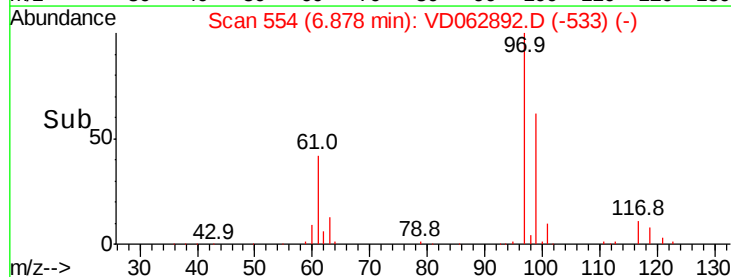
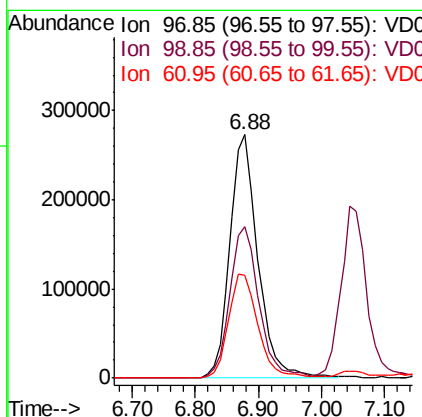
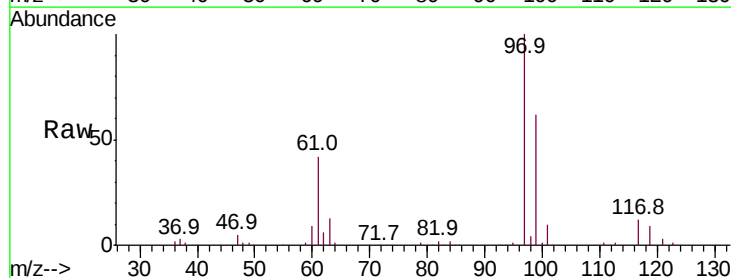
Manual Integrations
APPROVED

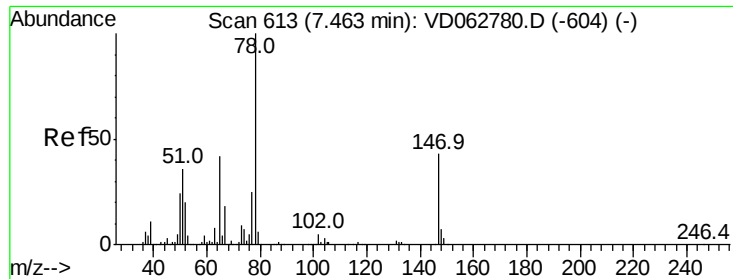
MMDadoda
6/27/2019 12:44:51 AM



#32
1,1,1-Trichloroethane
Concen: 47.395 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.2	47.4	71.2
61	42.2	37.2	55.8





#33

1,2-Dichloroethane-d4

Concen: 45.151 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 441693

Ion Ratio Lower Upper

65 100

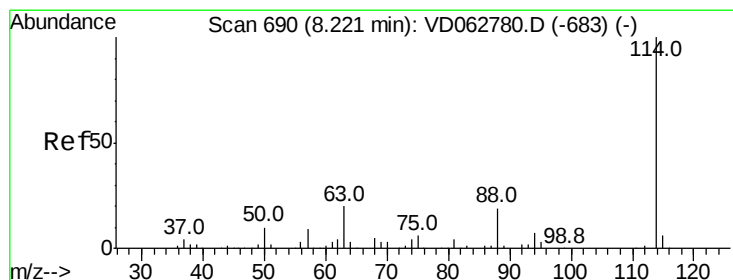
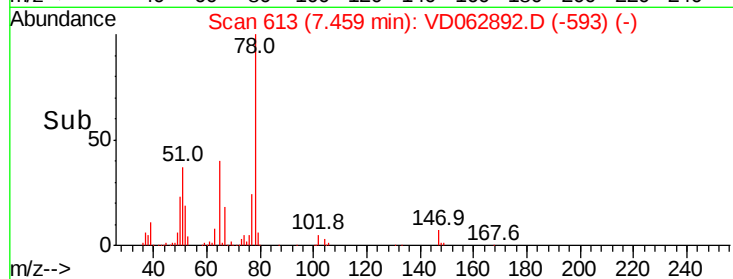
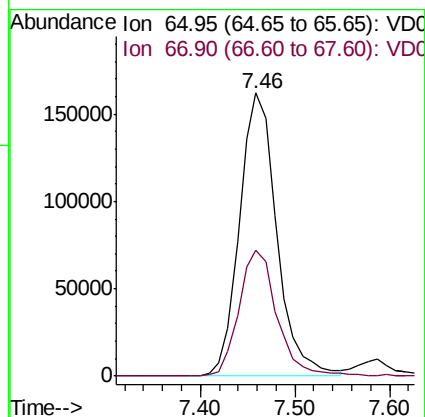
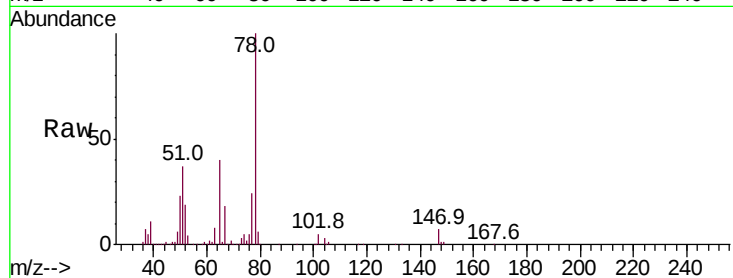
67 44.6 0.0 87.4

Manual Integrations

APPROVED

MMDadoda

6/27/2019 12:44:51 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

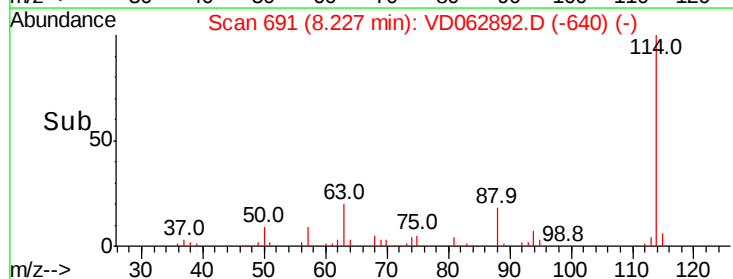
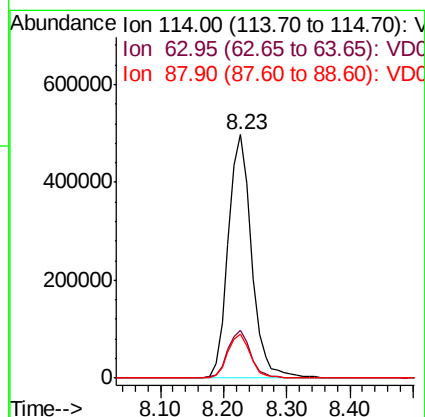
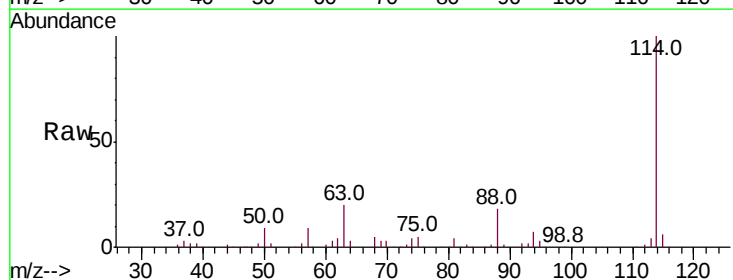
Tgt Ion: 114 Resp: 1277450

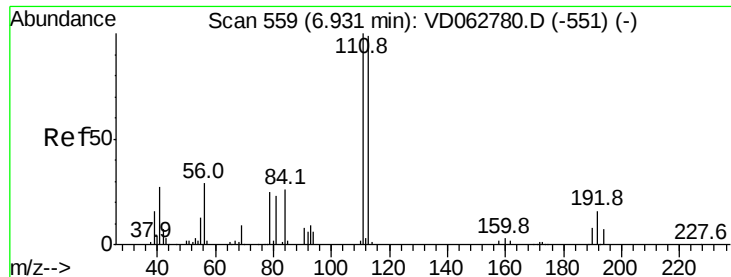
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

88 18.3 0.0 38.8





#35

Dibromofluoromethane

Concen: 44.016 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Instrument :

MSVOA_D

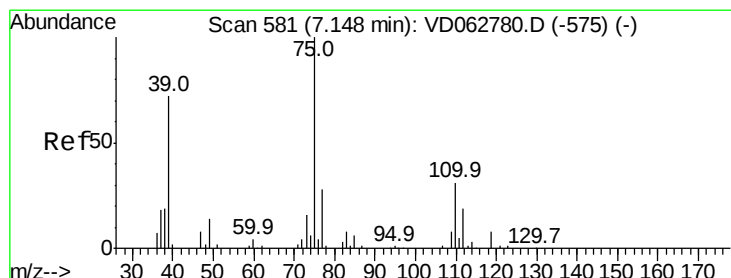
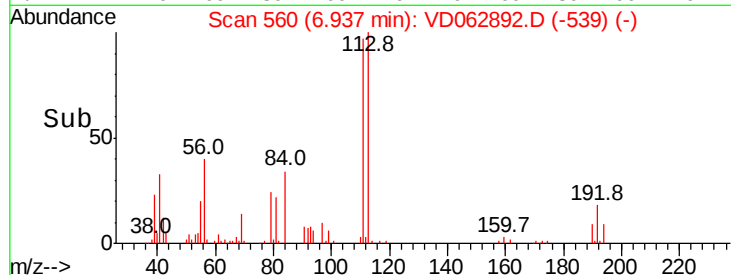
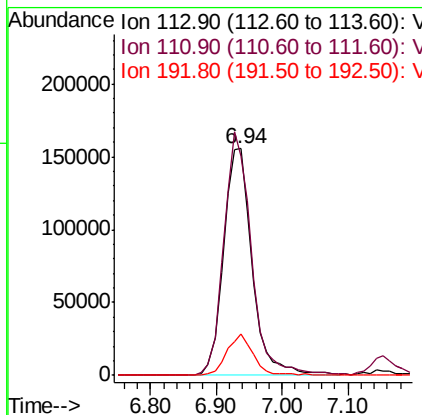
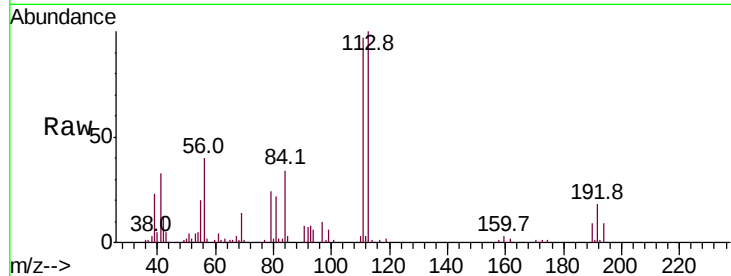
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	474117
Ion Ratio	Lower	Upper	
113	100		
111	96.5	81.2	121.8
192	18.2	12.9	19.3

Manual Integrations
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6/27/2019 12:44:51 AM



#36

1,1-Dichloropropene

Concen: 50.256 ug/l

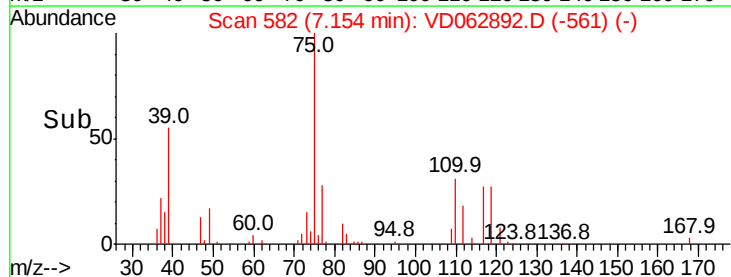
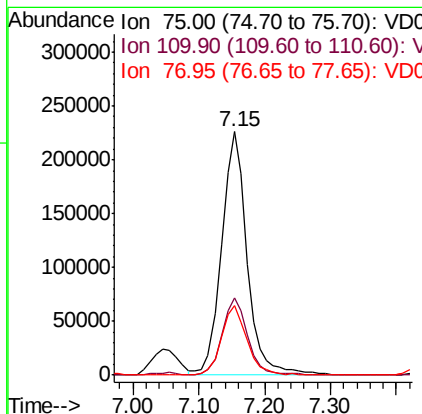
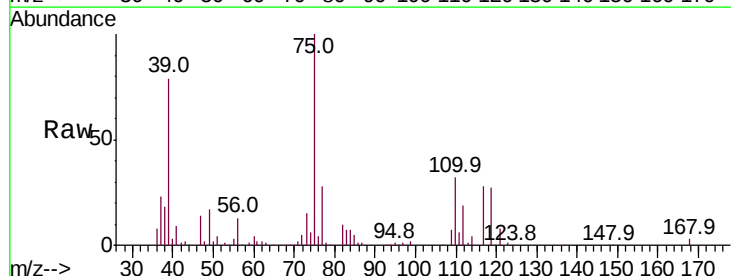
RT: 7.15 min Scan# 582

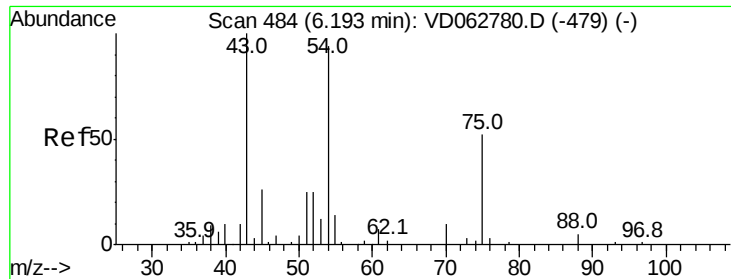
Delta R.T. 0.01 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Tgt Ion:	75	Resp:	607739
Ion Ratio	Lower	Upper	
75	100		
110	31.7	15.0	45.1
77	28.4	22.2	33.2





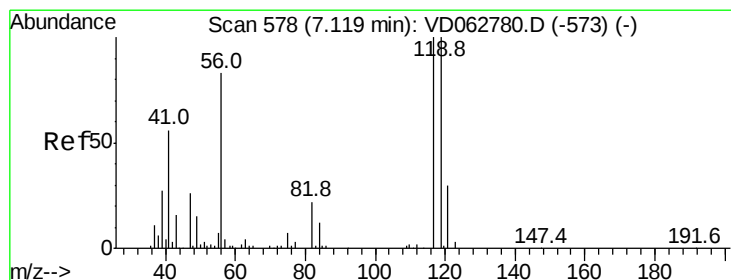
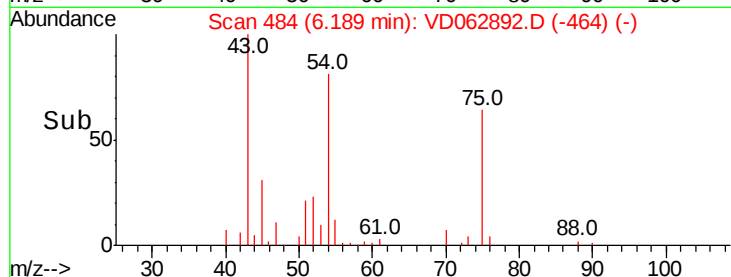
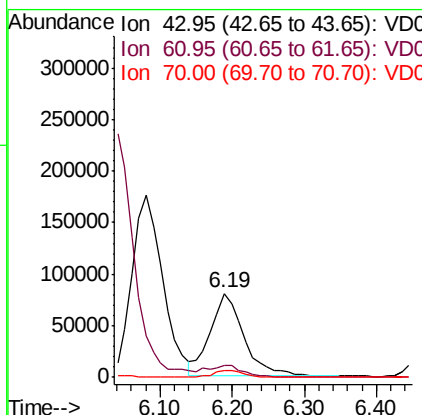
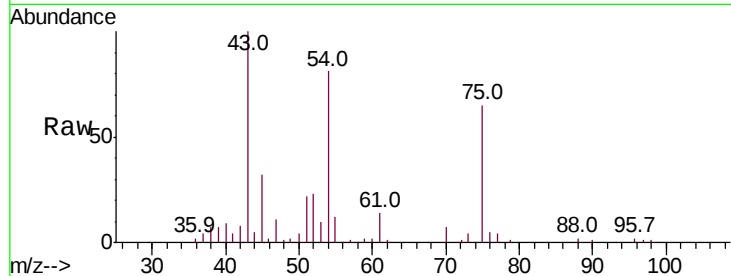
#37
Ethyl Acetate
Concen: 51.328 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.6	17.4
70	7.4	6.4	9.6

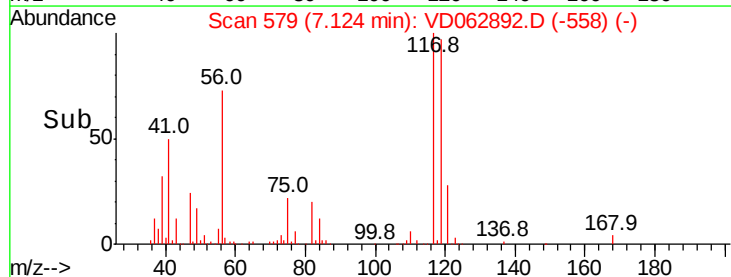
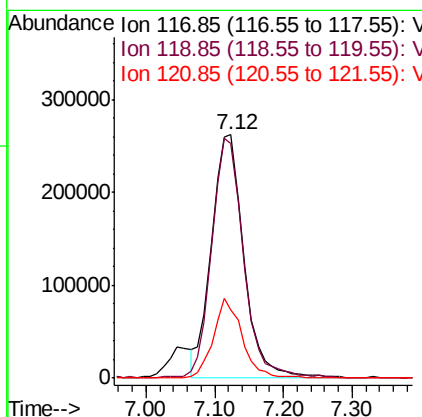
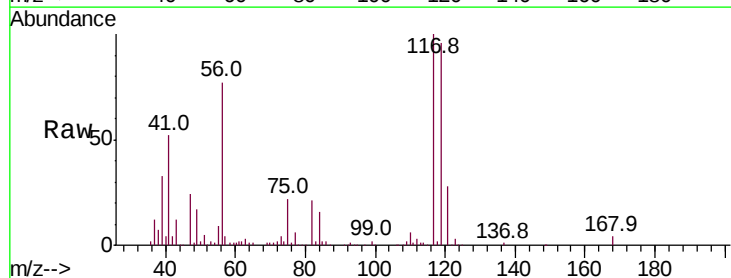
Manual Integrations
APPROVED

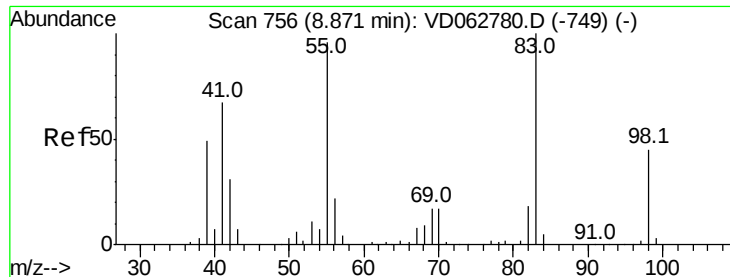
MMDadoda
6/27/2019 12:44:51 AM



#38
Carbon Tetrachloride
Concen: 47.520 ug/l m
RT: 7.12 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.4	113.2
121	28.2	22.3	33.5





#39

Methvlcvclohexane

Concen: 46.185 ug/l

RT: 8.87 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 491623

Ion Ratio Lower Upper

83 100

55 96.7 76.6 115.0

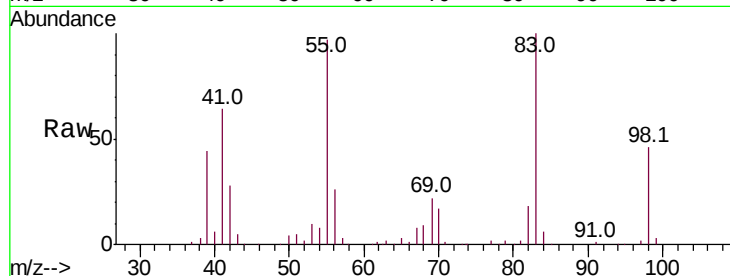
98 46.0 35.7 53.5

Manual Integrations

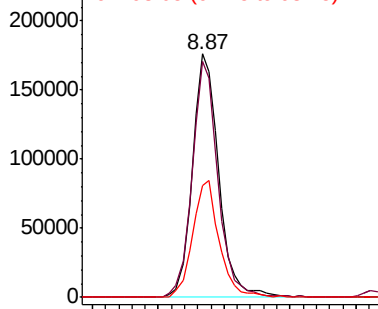
APPROVED

MMDadoda

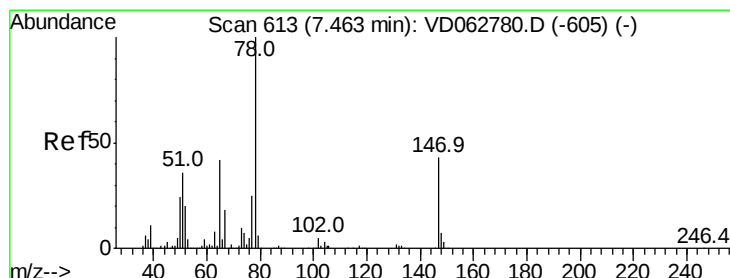
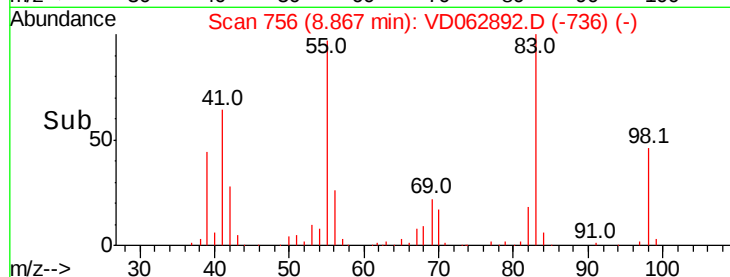
6/27/2019 12:44:51 AM



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



Time--> 8.70 8.80 8.90 9.00 9.10



#40

Benzene

Concen: 47.671 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062892.D

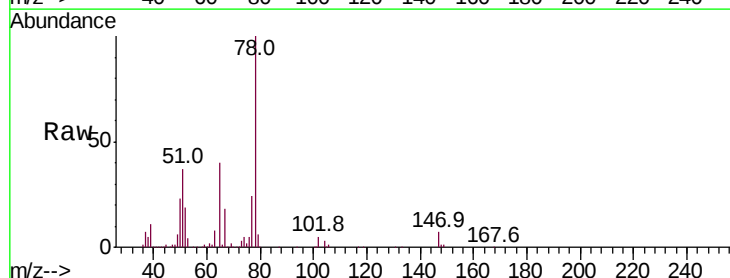
Acq: 25 Jun 2019 22:58

Tgt Ion: 78 Resp: 1157172

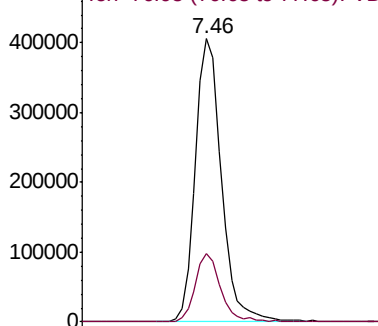
Ion Ratio Lower Upper

78 100

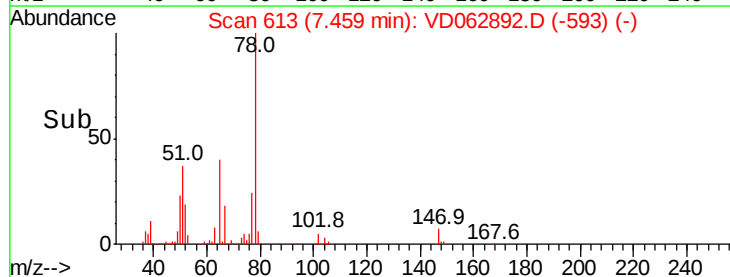
77 24.3 20.2 30.2

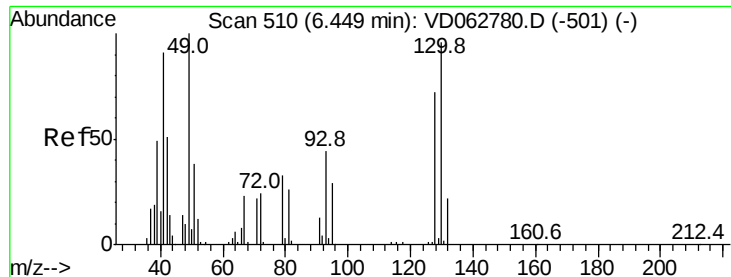


Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC



Time--> 7.30 7.40 7.50 7.60 7.70





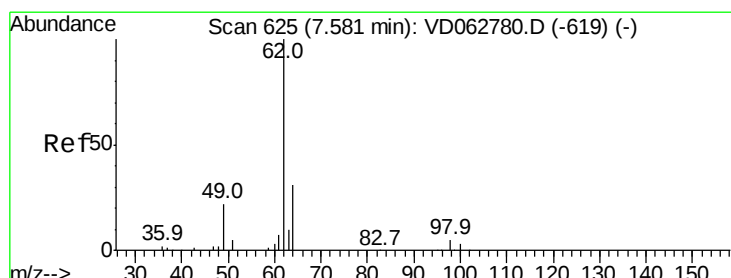
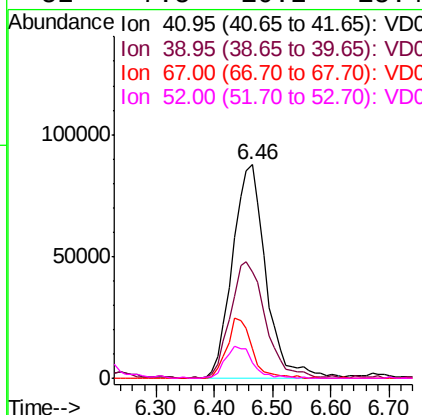
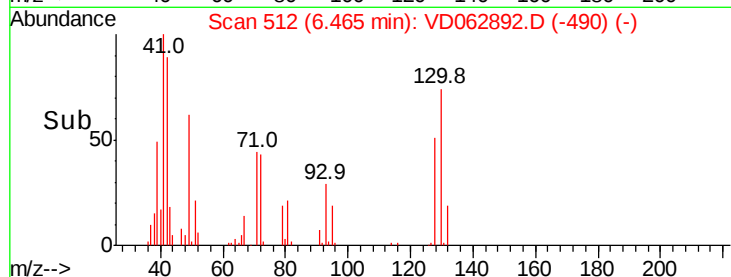
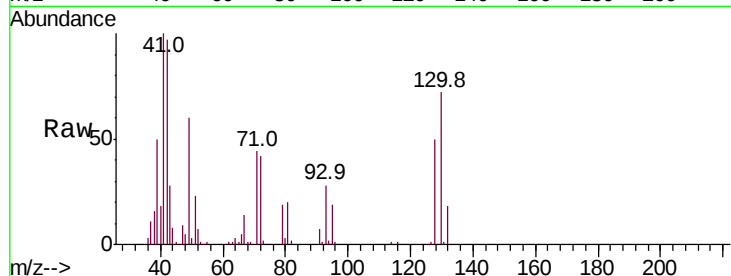
#41
Methacrylonitrile
Concen: 54.782 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.8	43.2	64.8
67	13.7	19.9	29.9#
52	7.5	10.2	15.4#

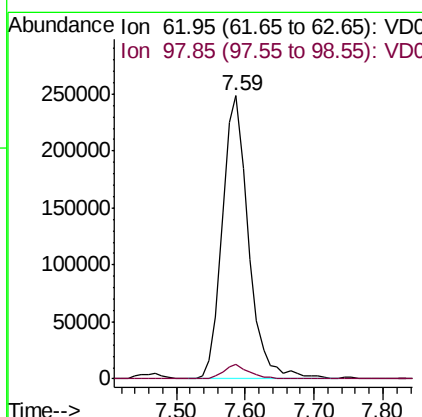
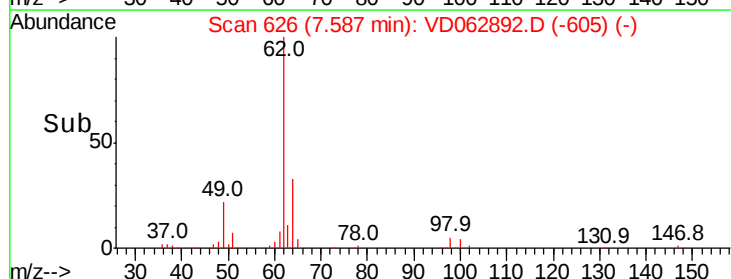
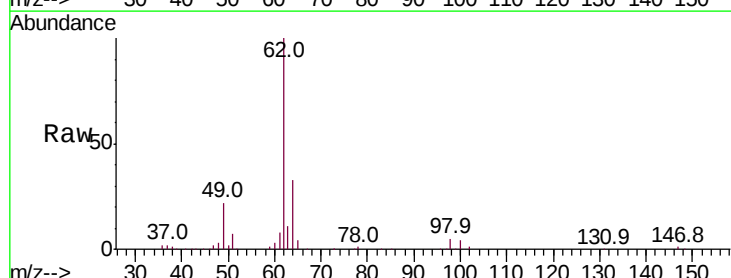
Manual Integrations
APPROVED

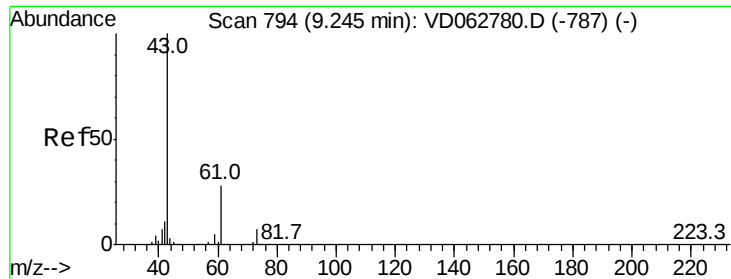
MMDadoda
6/27/2019 12:44:51 AM



#42
1,2-Dichloroethane
Concen: 49.521 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.9	0.0	10.0





#43

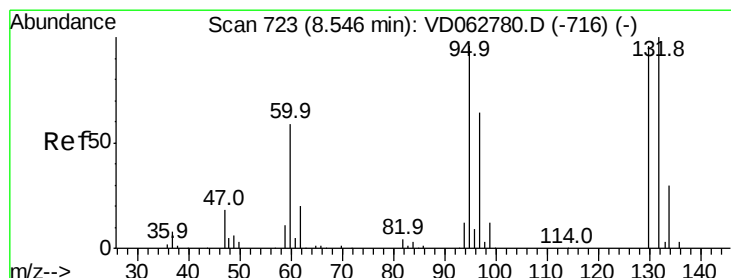
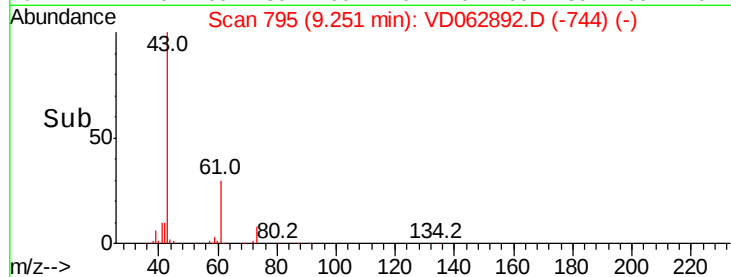
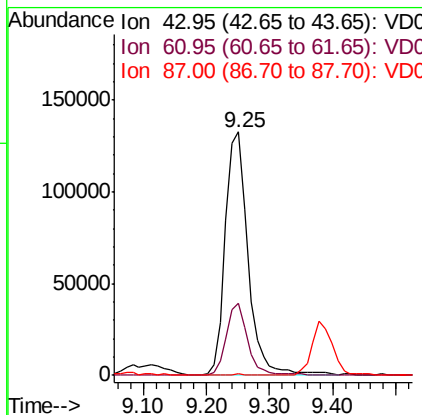
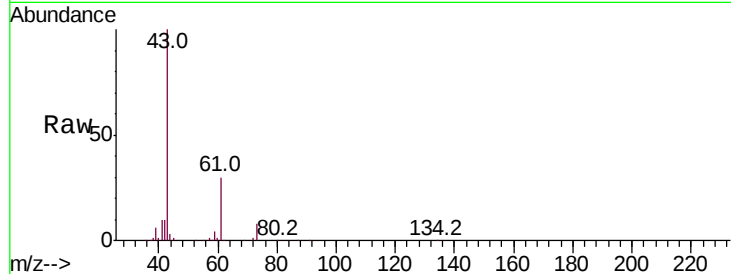
Isopropyl Acetate
 Concen: 52.658 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: VD062892.D
 Acq: 25 Jun 2019 22:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 333846
 Ion Ratio Lower Upper
 43 100
 61 29.8 22.4 33.6
 87 0.5 0.3 0.5

Manual Integrations
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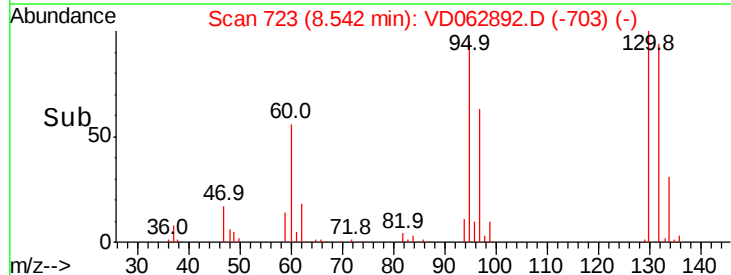
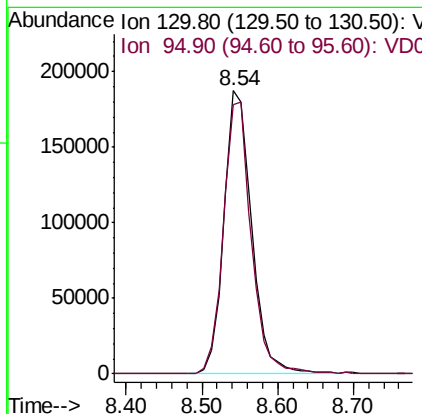
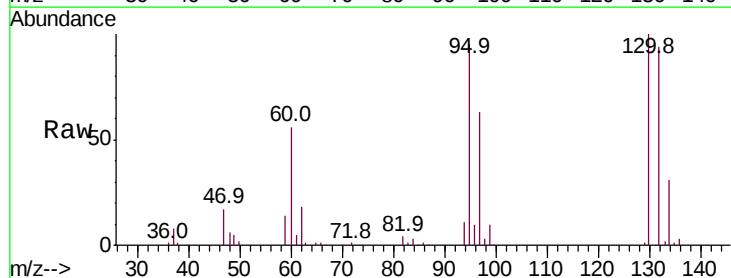
MMDadoda
 6/27/2019 12:44:51 AM

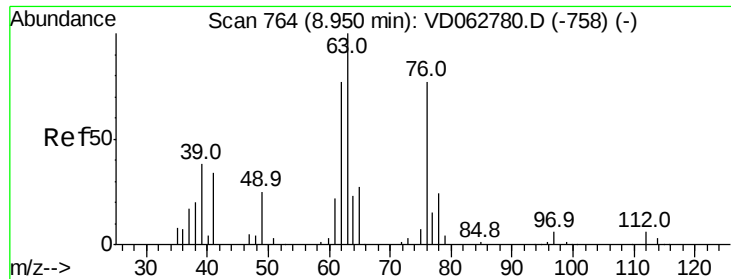


#44

Trichloroethene
 Concen: 49.935 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VD062892.D
 Acq: 25 Jun 2019 22:58

Tgt Ion: 130 Resp: 475208
 Ion Ratio Lower Upper
 130 100
 95 95.1 0.0 201.6





#45

1,2-Dichloropropane

Concen: 51.705 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 312086

Ion Ratio Lower Upper

63 100

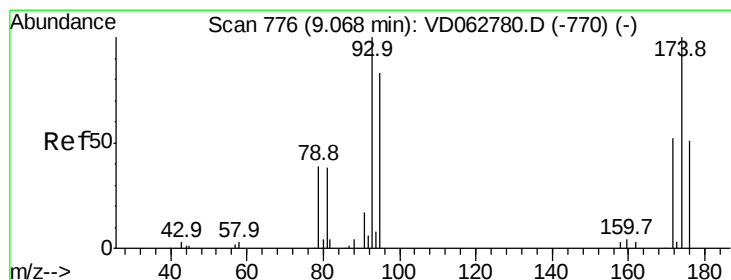
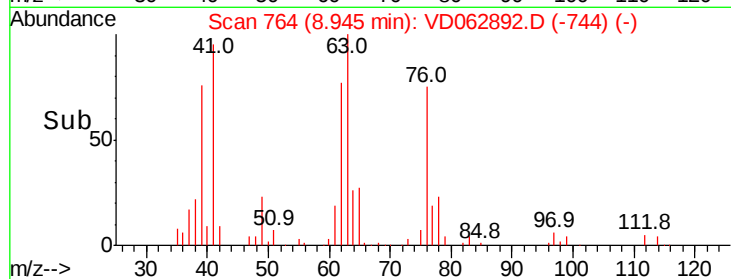
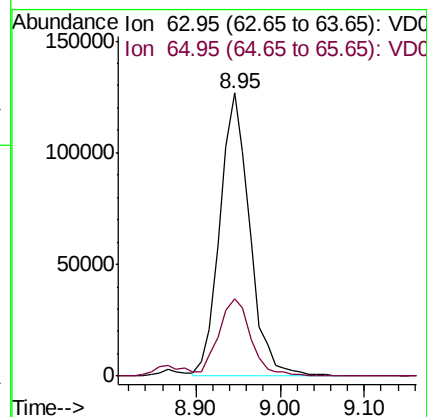
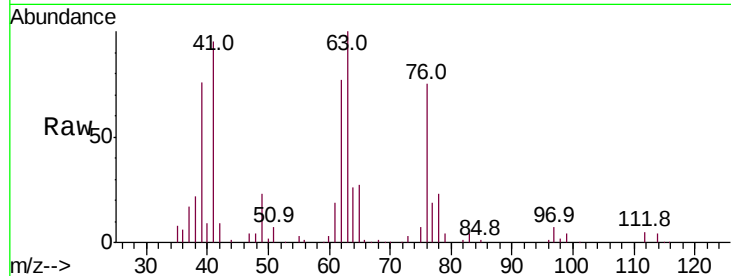
65 27.3 24.2 36.2

Manual Integrations

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#46

Dibromomethane

Concen: 49.679 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

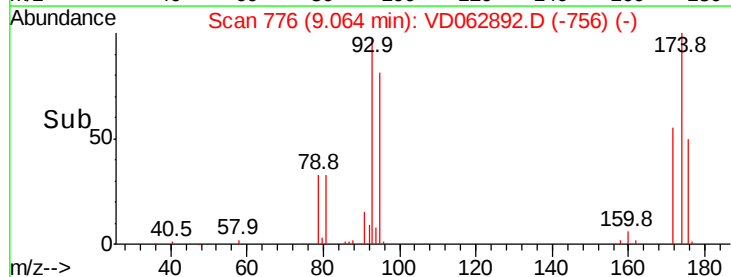
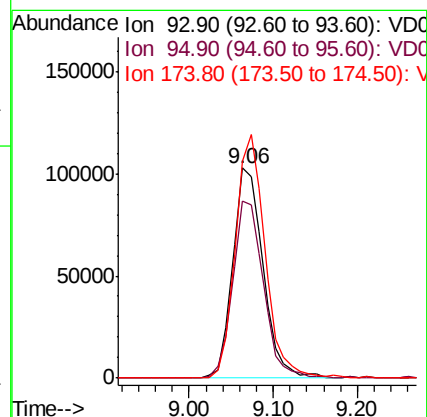
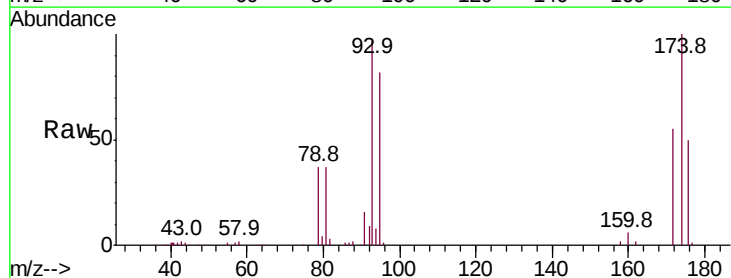
Tgt Ion: 93 Resp: 257580

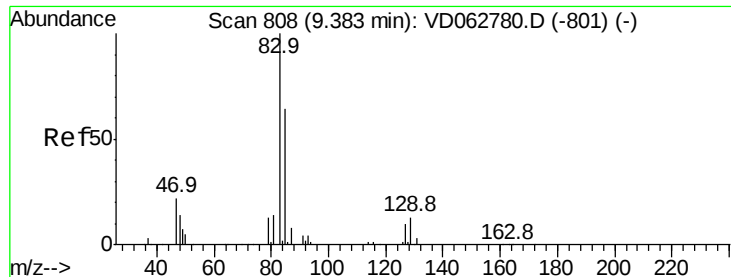
Ion Ratio Lower Upper

93 100

95 84.0 66.6 100.0

174 103.1 79.7 119.5





#47

Bromodichloromethane

Concen: 51.351 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Instrument :

MSVOA_D

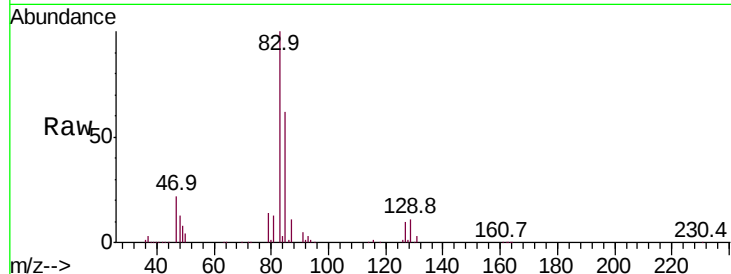
ClientSampleId :

VSTDCCC050

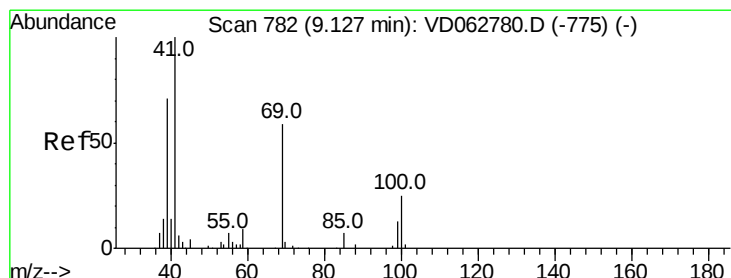
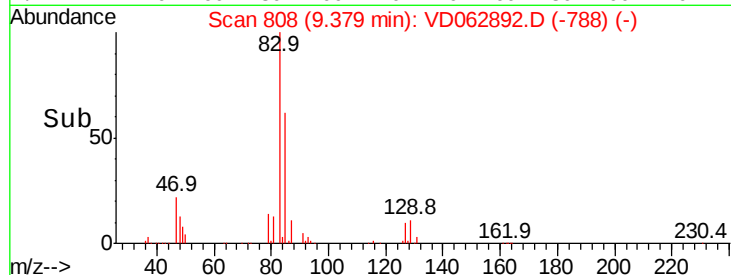
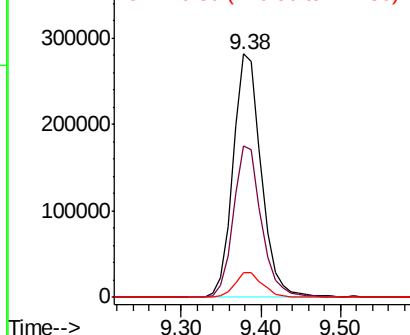
Tot Ion:	83	Resp:	691486
Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.6	77.4
127	10.0	7.8	11.6

Manual Integrations
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Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 54.536 ug/l

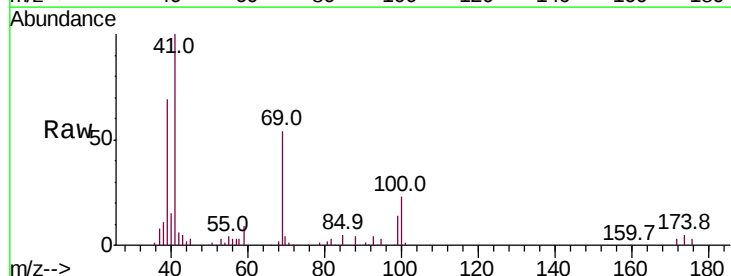
RT: 9.12 min Scan# 782

Delta R.T. -0.00 min

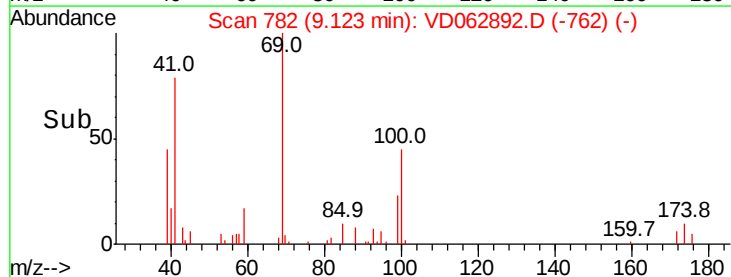
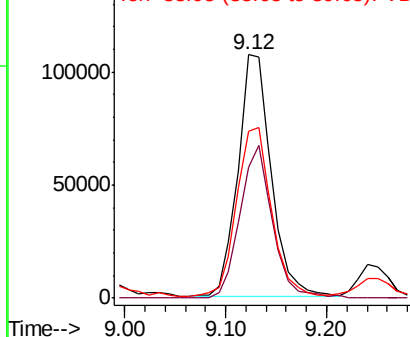
Lab File: VD062892.D

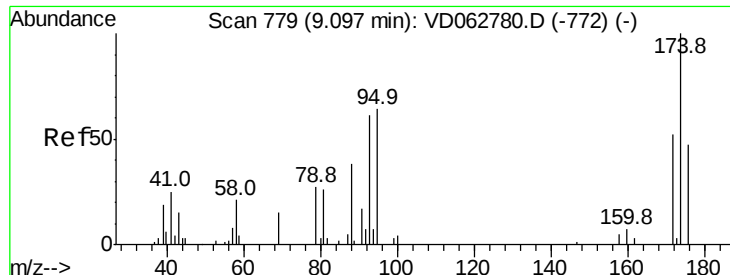
Acq: 25 Jun 2019 22:58

Tgt Ion:	41	Resp:	245701
Ion	Ratio	Lower	Upper
41	100		
69	53.7	47.2	70.8
39	68.8	57.4	86.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 1106.938 ug/l

RT: 9.08 min Scan# 778

Delta R.T. -0.01 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Instrument :

MSVOA_D

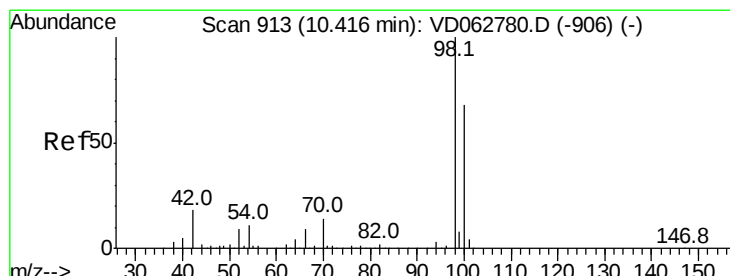
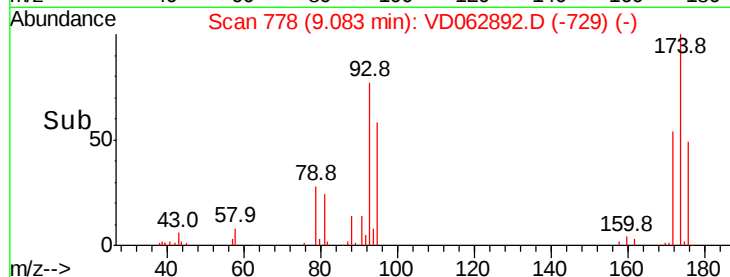
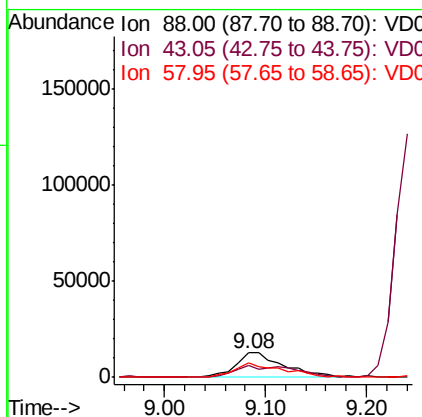
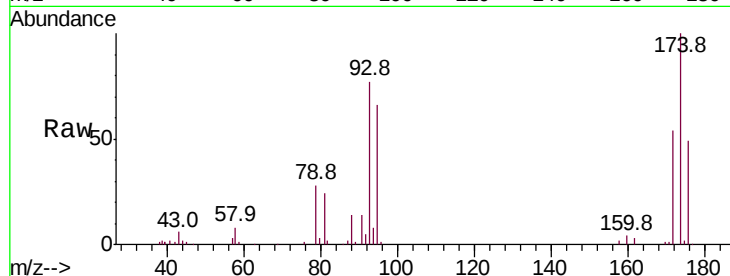
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	41491
Ion	Ratio	Lower	Upper
88	100		
43	46.4	32.1	48.1
58	59.4	44.1	66.1

Manual Integrations
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#50

Toluene-d8

Concen: 44.850 ug/l

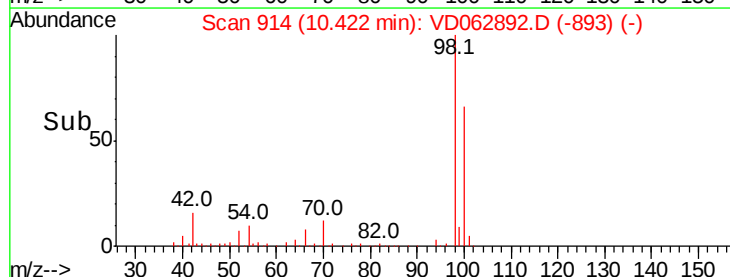
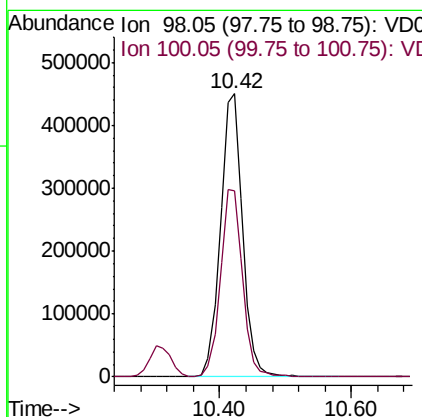
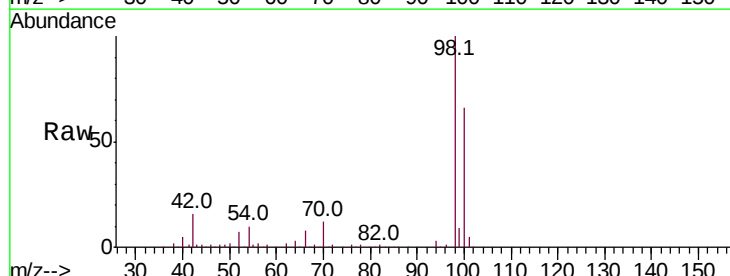
RT: 10.42 min Scan# 914

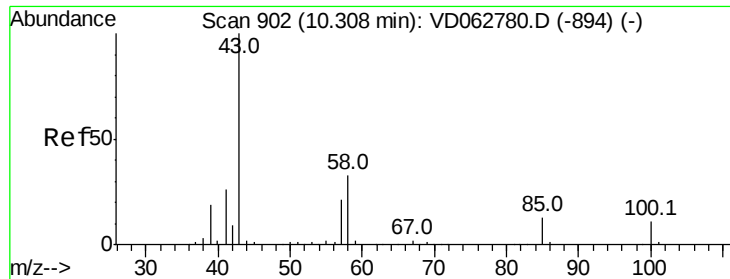
Delta R.T. 0.01 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Tgt Ion:	98	Resp:	1051440
Ion	Ratio	Lower	Upper
98	100		
100	65.9	54.7	82.1





#51

4-Methyl-2-Pentanone

Concen: 258.922 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 1163840

Ion Ratio Lower Upper

43 100

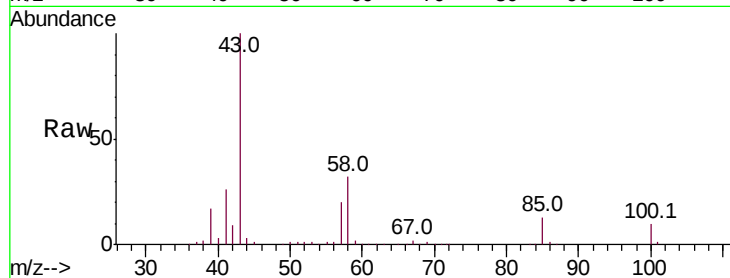
58 31.6 26.6 40.0

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

500000

400000

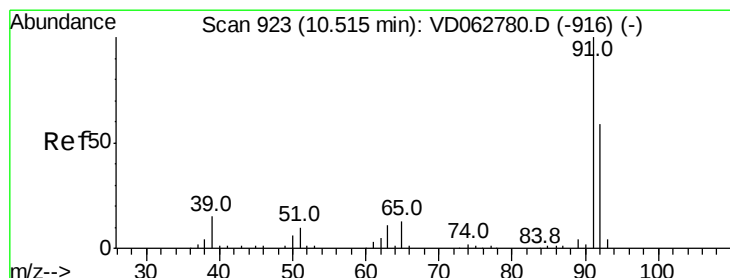
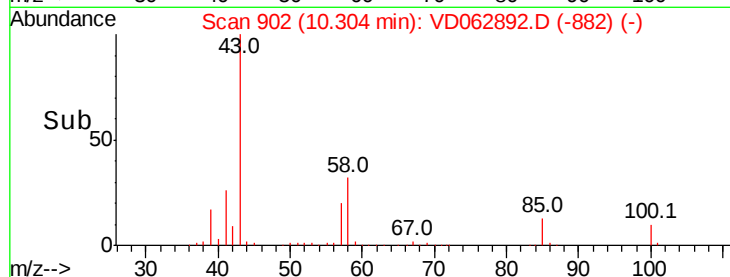
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.735 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD062892.D

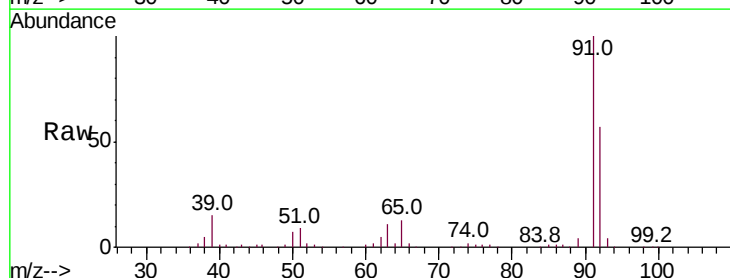
Acq: 25 Jun 2019 22:58

Tgt Ion: 92 Resp: 827854

Ion Ratio Lower Upper

92 100

91 175.5 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

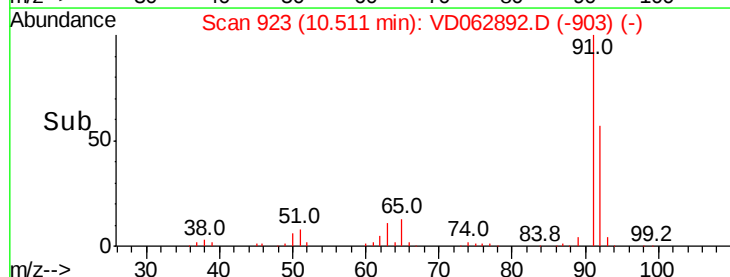
600000

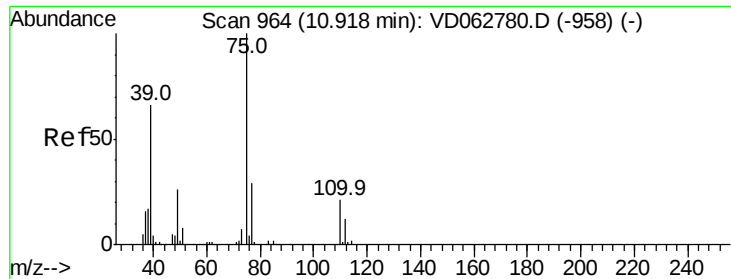
400000

200000

0

Time-->





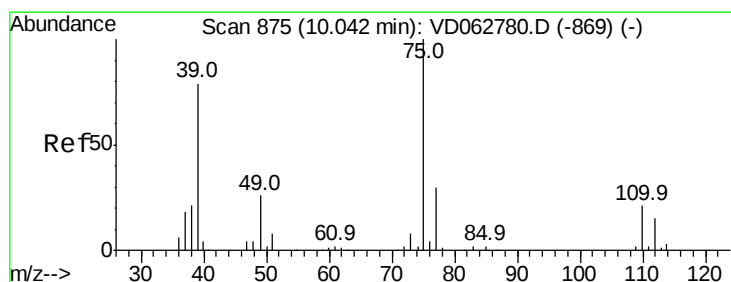
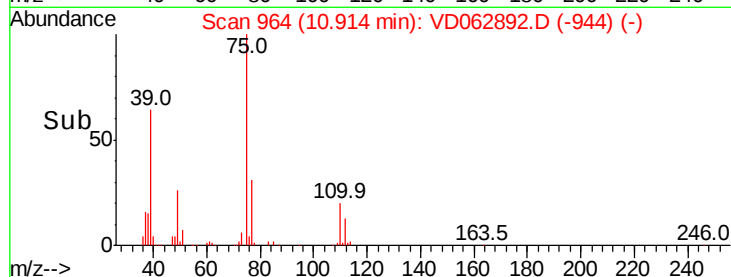
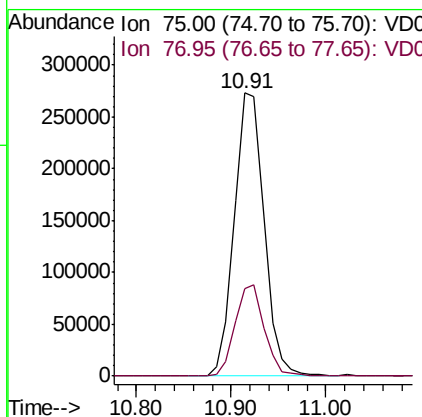
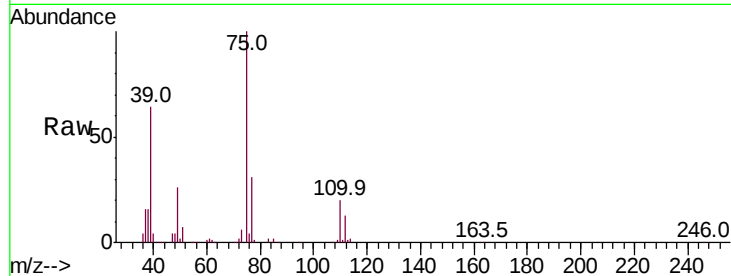
#53
t-1,3-Dichloropropene
Concen: 54.203 ug/l
RT: 10.91 min Scan# 964
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 597398
Ion Ratio Lower Upper
75 100
77 31.0 23.2 34.8

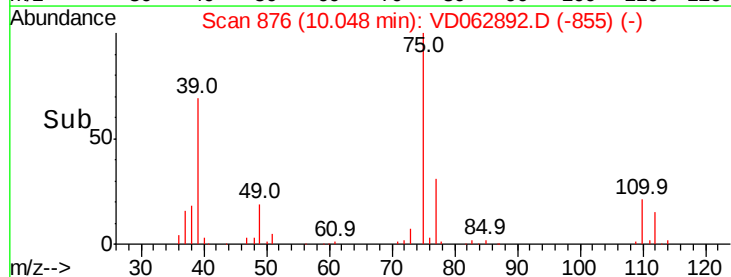
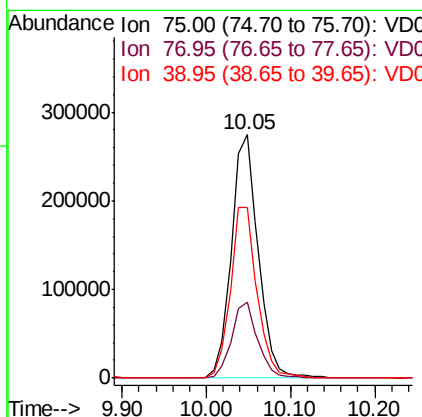
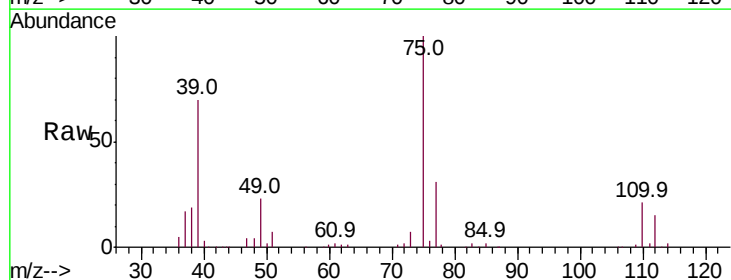
Manual Integrations
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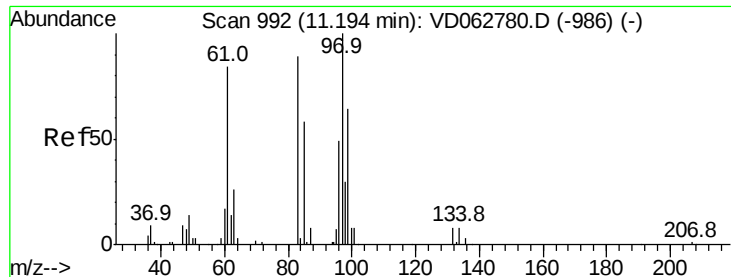
MMDadoda
6/27/2019 12:44:51 AM



#54
cis-1,3-Dichloropropene
Concen: 50.741 ug/l
RT: 10.05 min Scan# 876
Delta R.T. 0.01 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Tgt Ion: 75 Resp: 607851
Ion Ratio Lower Upper
75 100
77 31.1 24.2 36.2
39 70.1 63.5 95.3





#55

1,1,2-Trichloroethane

Concen: 51.666 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.01 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 289638

Ion Ratio Lower Upper

97 100

83 80.4 71.0 106.4

85 52.2 46.6 69.8

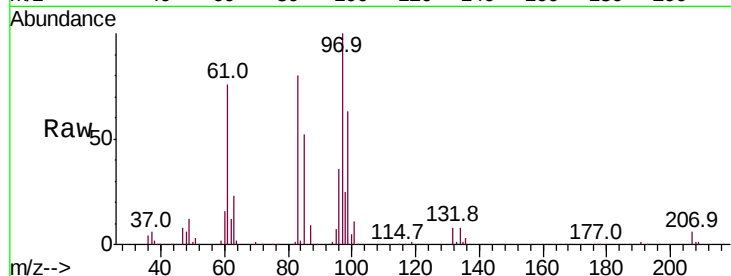
99 62.5 51.4 77.0

Manual Integrations

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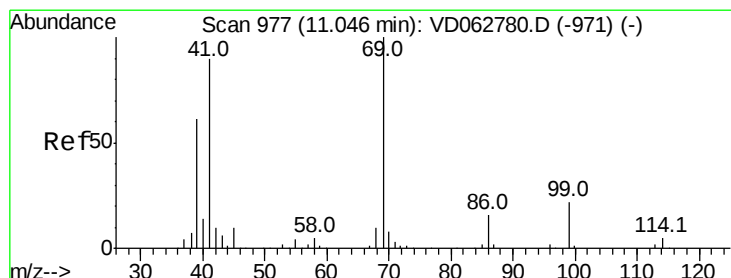
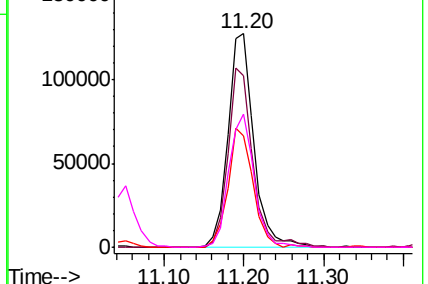
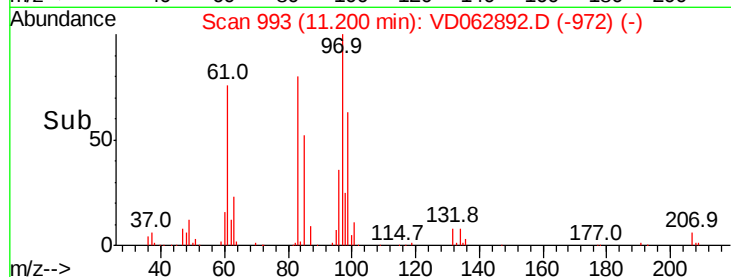


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 52.126 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.01 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

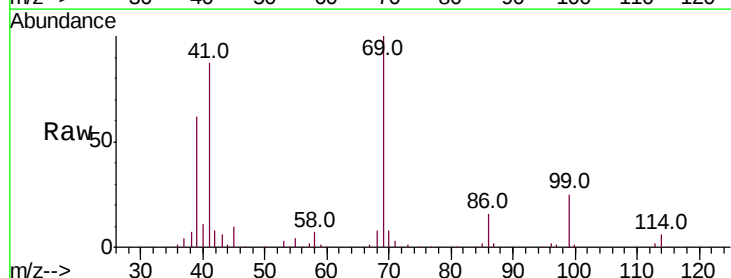
Tgt Ion: 69 Resp: 312285

Ion Ratio Lower Upper

69 100

41 87.0 72.0 108.0

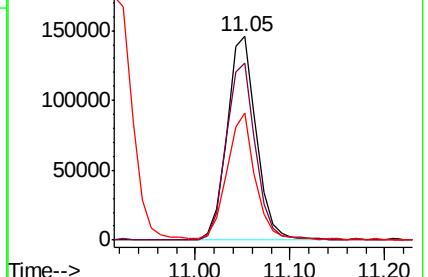
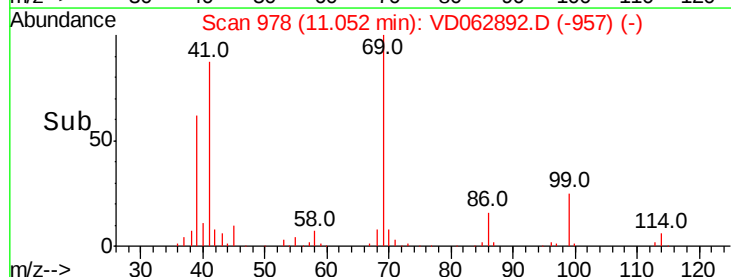
39 62.2 49.5 74.3

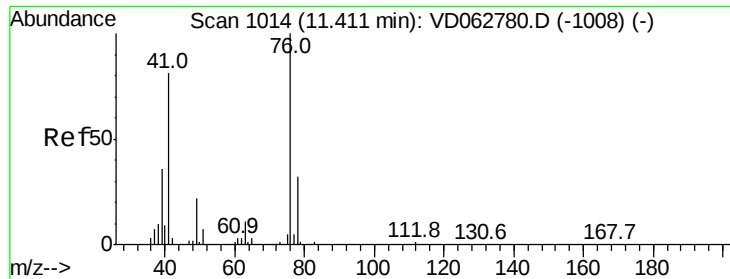


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 49.039 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 420933

Ion Ratio Lower Upper

76 100

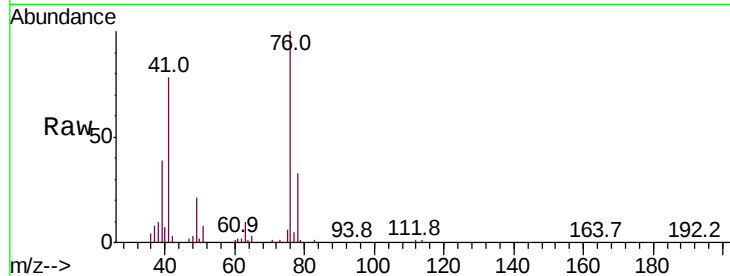
78 32.7 25.4 38.0

Manual Integrations

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

200000

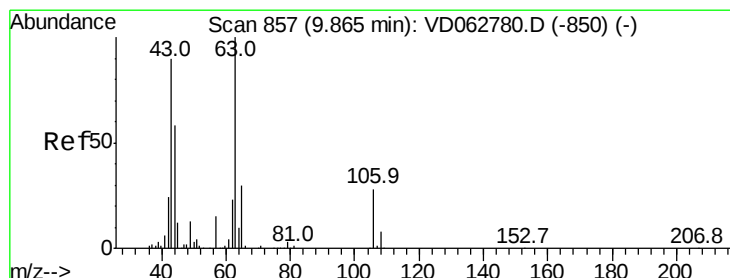
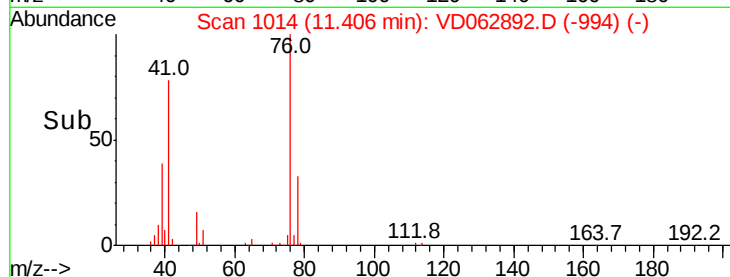
150000

100000

50000

0

Time--> 11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 265.224 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD062892.D

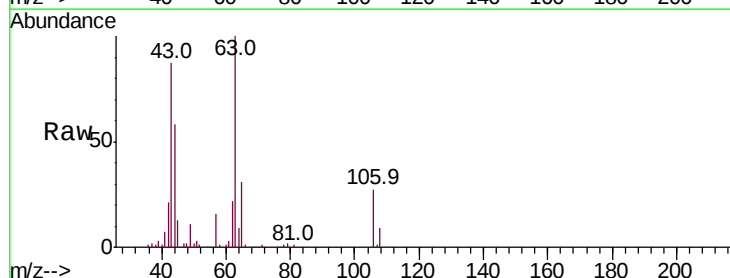
Acq: 25 Jun 2019 22:58

Tgt Ion: 63 Resp: 815745

Ion Ratio Lower Upper

63 100

106 27.5 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.86

400000

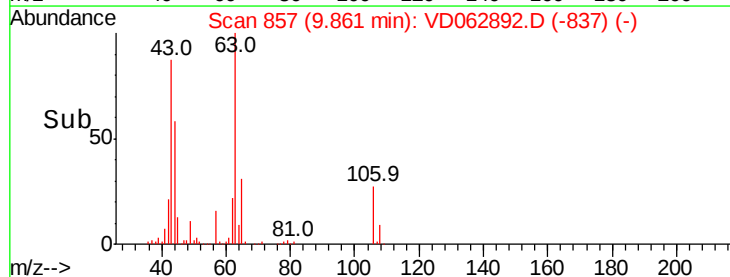
300000

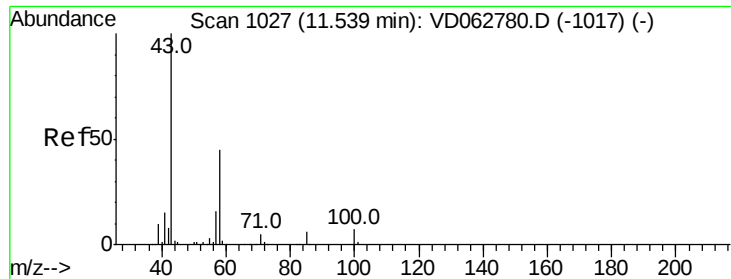
200000

100000

0

Time--> 9.70 9.80 9.90 10.00





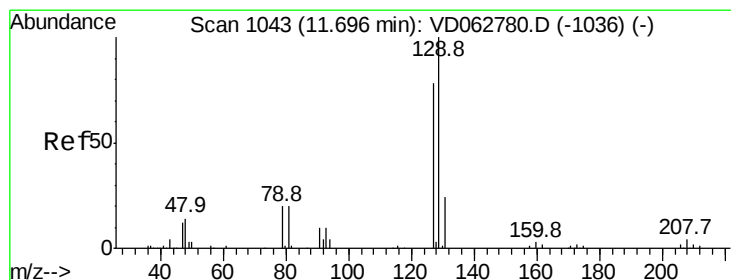
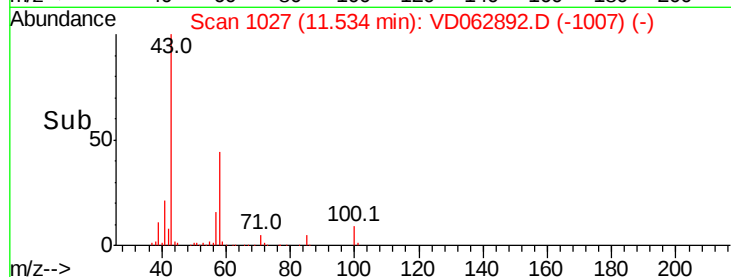
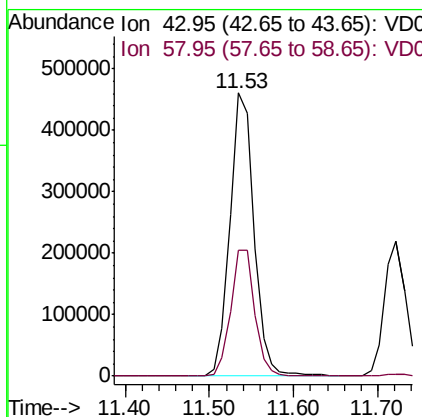
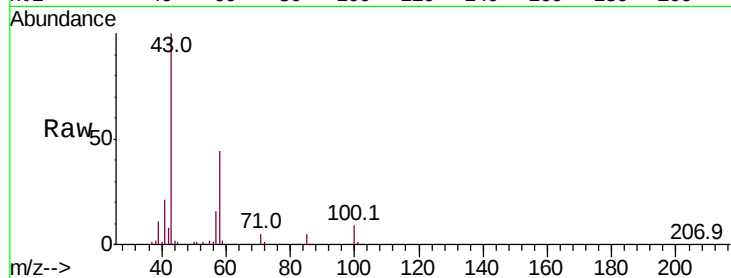
#59
2-Hexanone
Concen: 286.875 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 918357
Ion Ratio Lower Upper
43 100
58 44.4 22.4 67.2

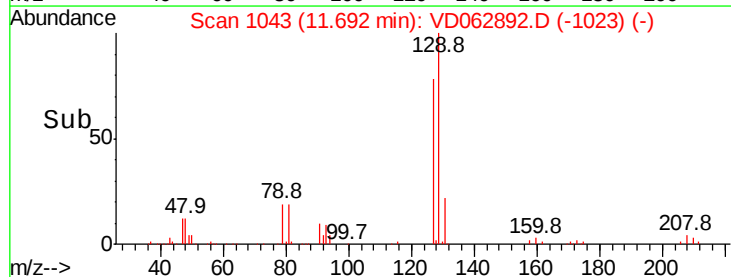
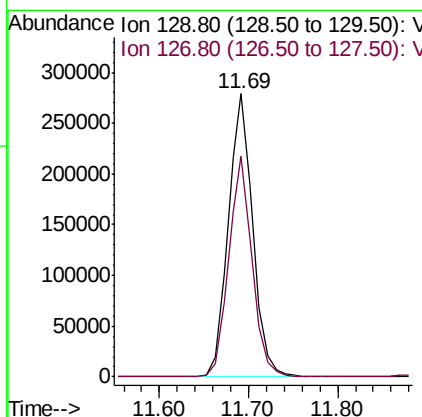
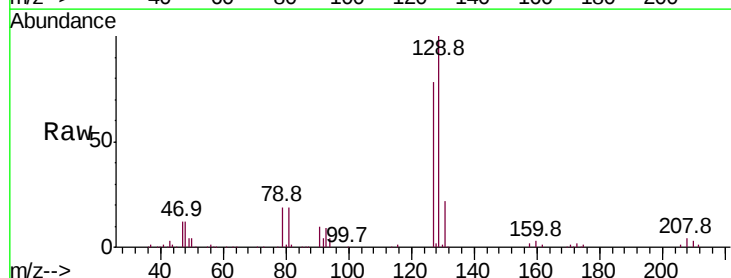
Manual Integrations
APPROVED

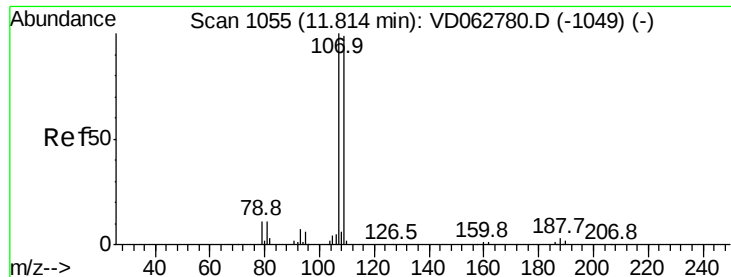
MMDadoda
6/27/2019 12:44:51 AM



#60
Dibromochloromethane
Concen: 51.504 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Tgt Ion: 129 Resp: 537800
Ion Ratio Lower Upper
129 100
127 78.0 38.9 116.6





#61

1,2-Dibromoethane

Concen: 54.076 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 358033

Ion Ratio Lower Upper

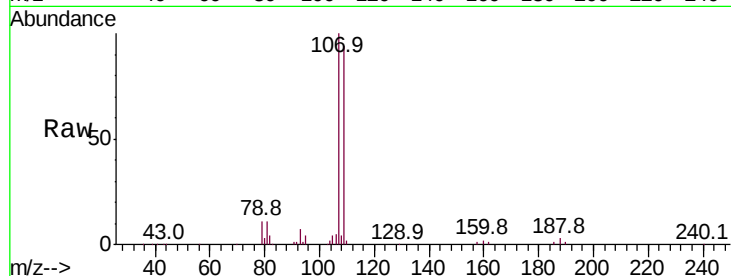
107 100

109 94.3 79.3 118.9

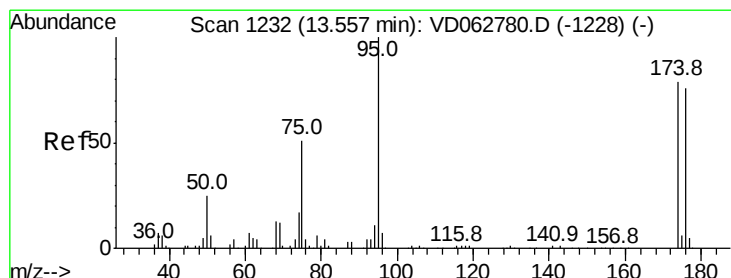
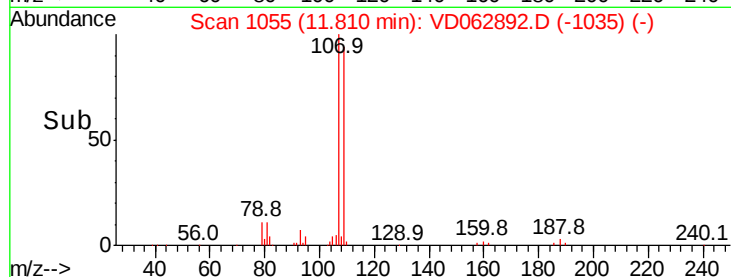
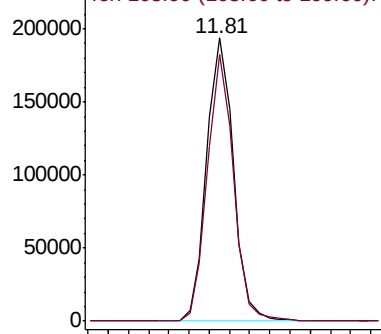
Manual Integrations
APPROVED

MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V



#62

4-Bromofluorobenzene

Concen: 45.991 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

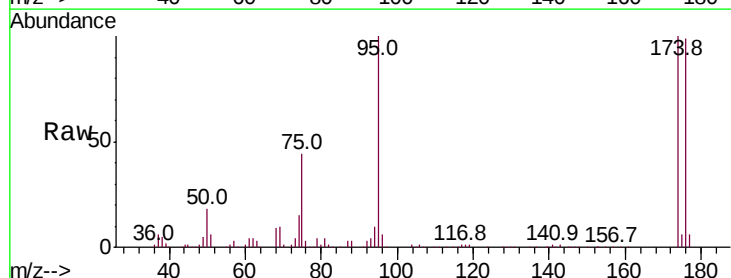
Tgt Ion: 95 Resp: 490257

Ion Ratio Lower Upper

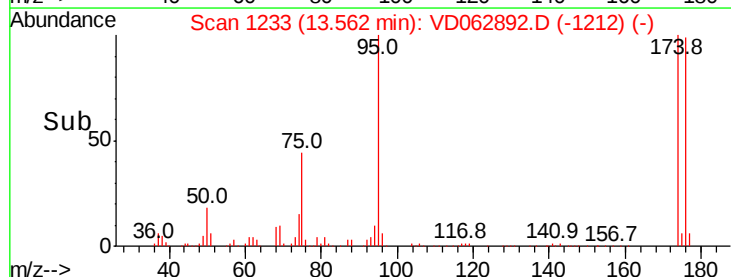
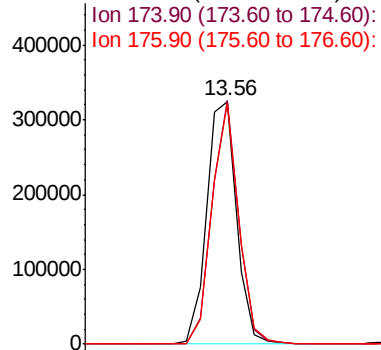
95 100

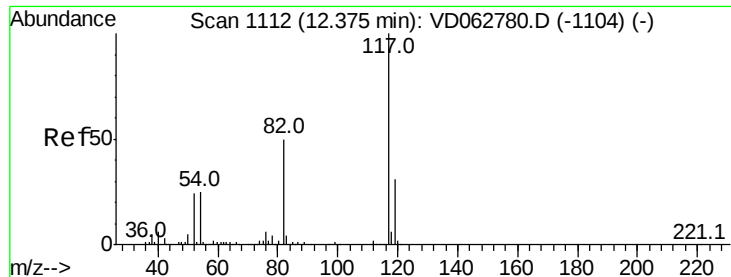
174 100.4 0.0 158.0

176 99.4 0.0 151.6



Abundance Ion 95.00 (94.70 to 95.70): V





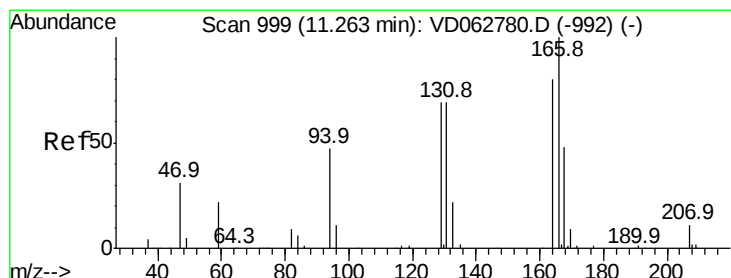
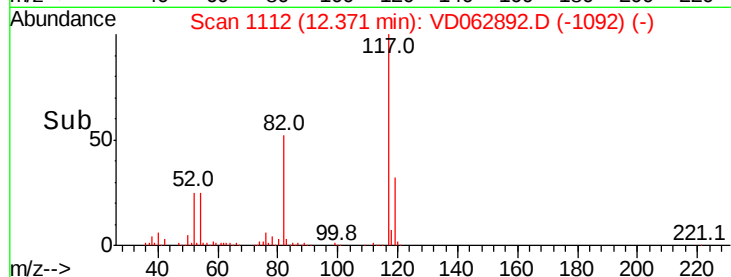
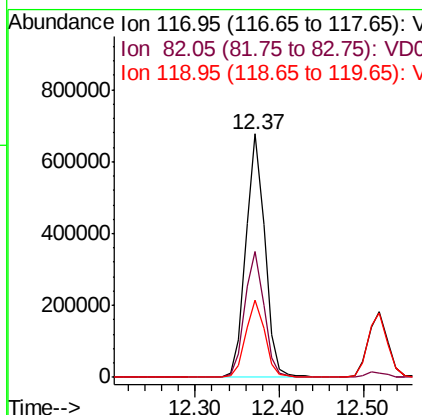
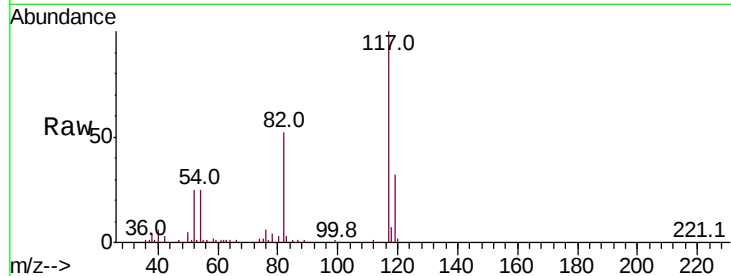
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1070452
Ion Ratio Lower Upper
117 100
82 51.9 40.4 60.6
119 31.7 25.2 37.8

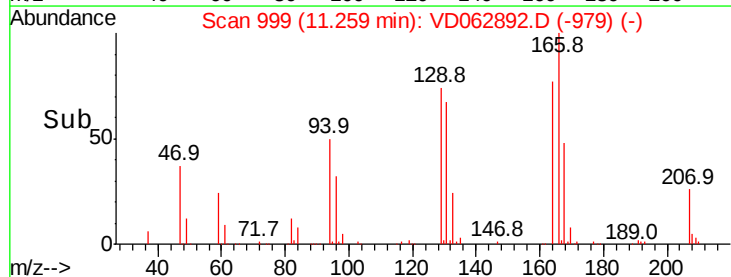
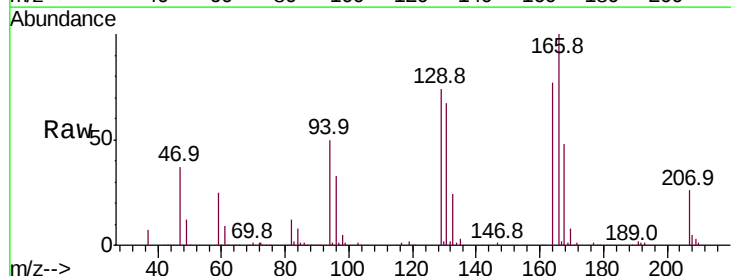
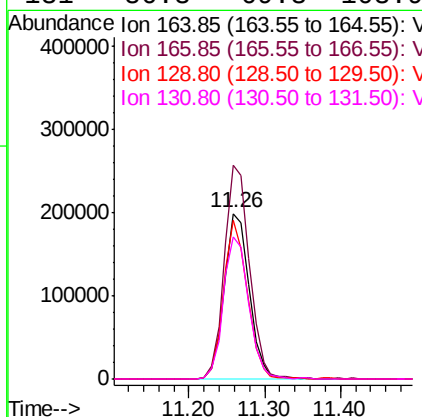
Manual Integrations
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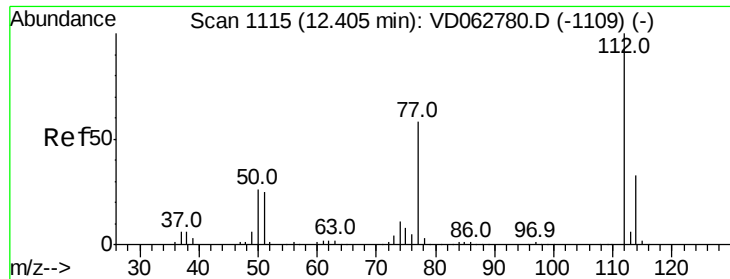
MMDadoda
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#64
Tetrachloroethene
Concen: 51.498 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Tgt Ion:164 Resp: 453702
Ion Ratio Lower Upper
164 100
166 129.3 100.6 150.8
129 95.8 69.4 104.0
131 86.3 69.3 103.9





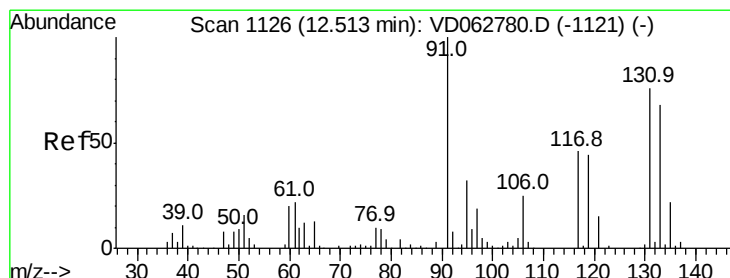
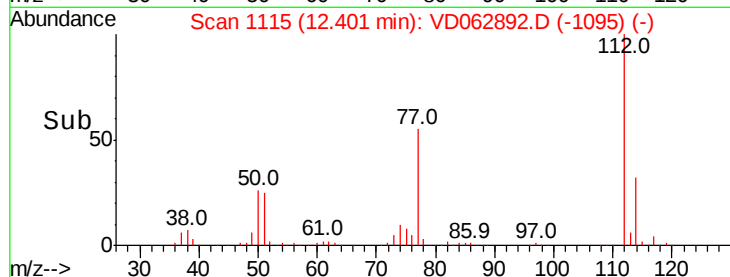
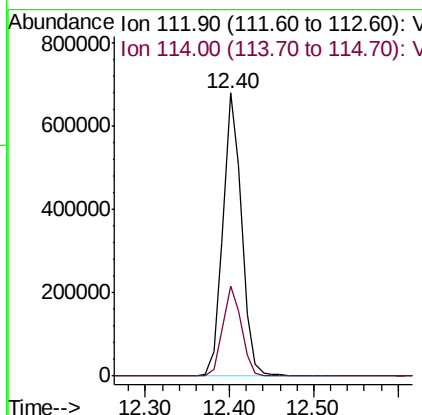
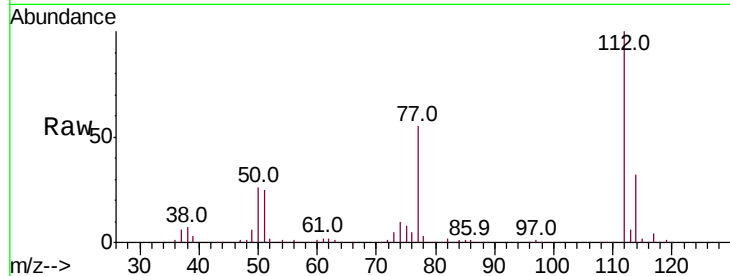
#65
Chlorobenzene
Concen: 52.947 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1051872
Ion Ratio Lower Upper
112 100
114 32.0 26.3 39.5

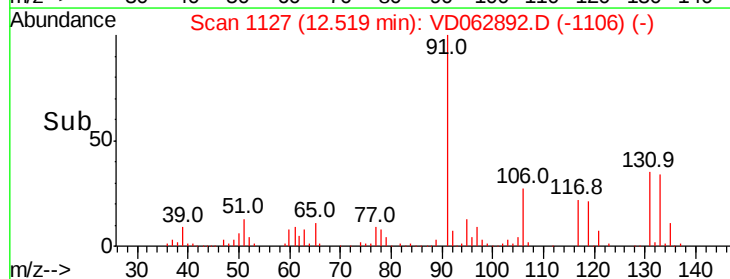
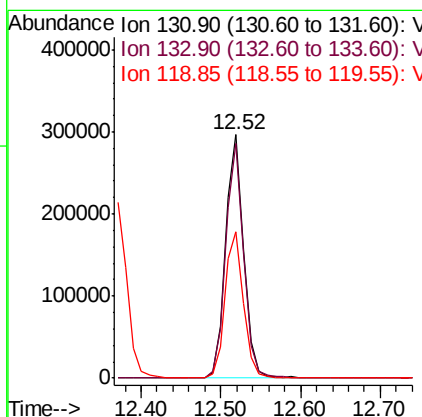
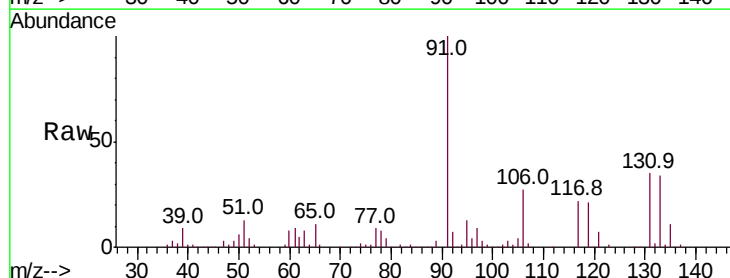
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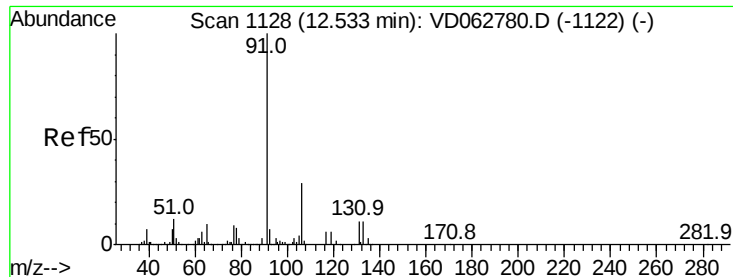
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.038 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Tgt Ion:131 Resp: 474181
Ion Ratio Lower Upper
131 100
133 96.6 44.5 133.3
119 60.2 28.6 85.9





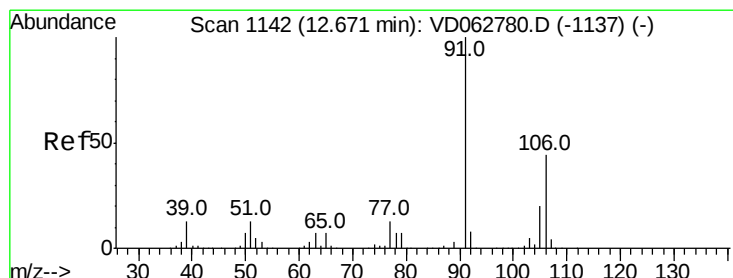
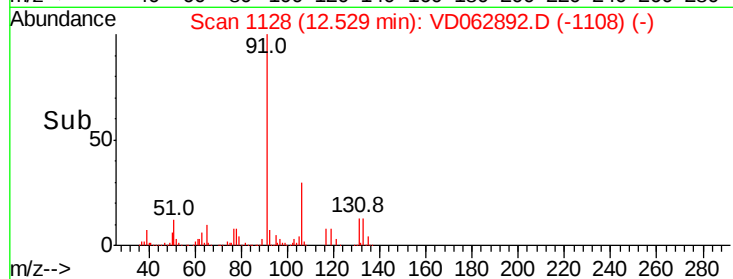
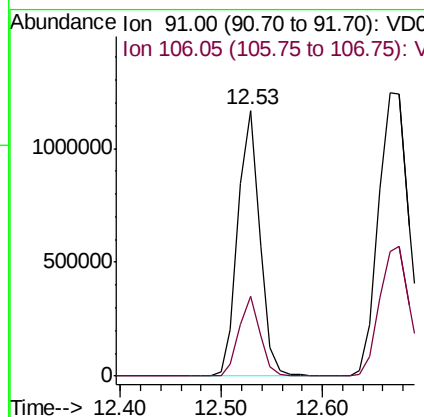
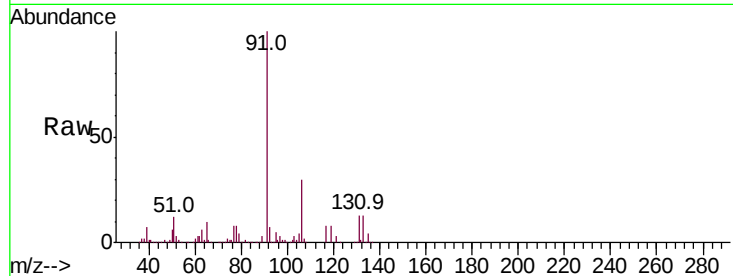
#67
Ethyl Benzene
Concen: 49.301 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1758462
Ion Ratio Lower Upper
91 100
106 30.0 23.1 34.7

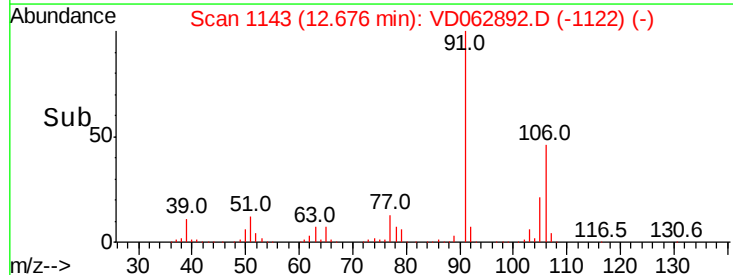
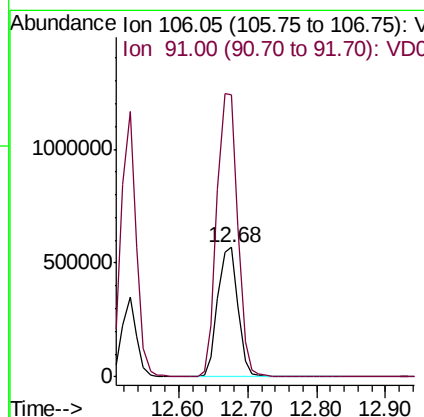
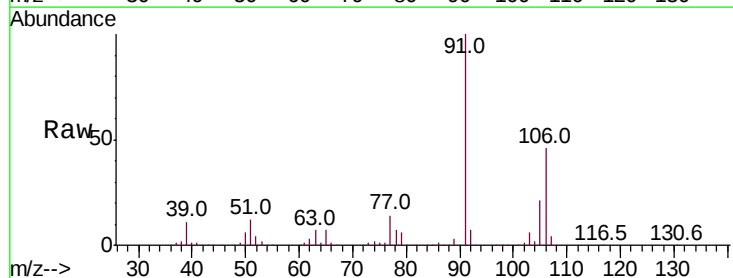
Manual Integrations
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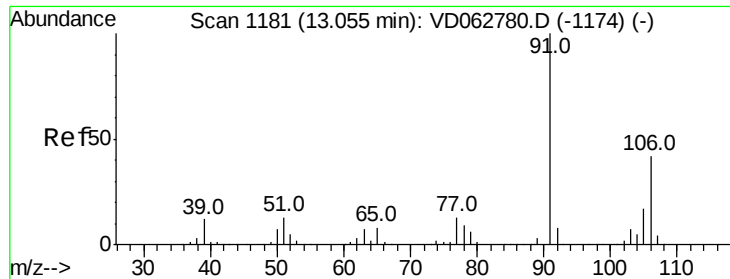
MMDadoda
6/27/2019 12:44:51 AM



#68
m/p-Xylenes
Concen: 93.880 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Tgt Ion: 106 Resp: 1166249
Ion Ratio Lower Upper
106 100
91 218.1 183.0 274.6





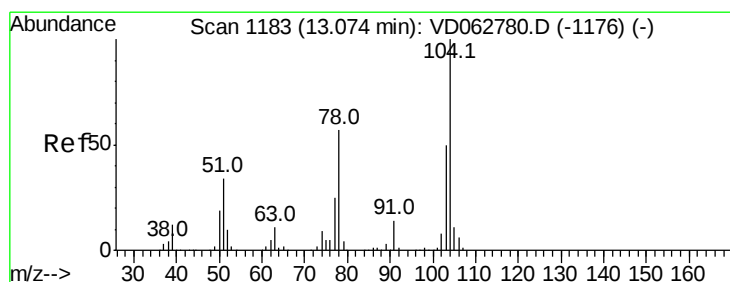
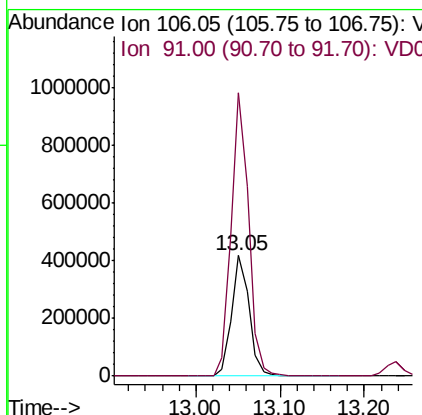
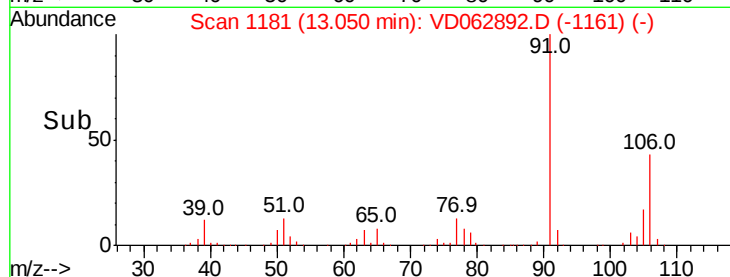
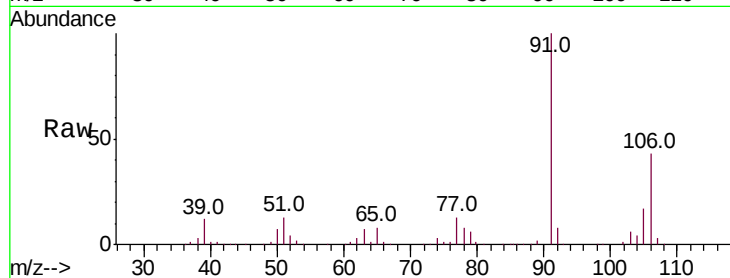
#69
o-Xylene
Concen: 53.495 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 607506
Ion Ratio Lower Upper
106 100
91 235.1 117.9 353.6

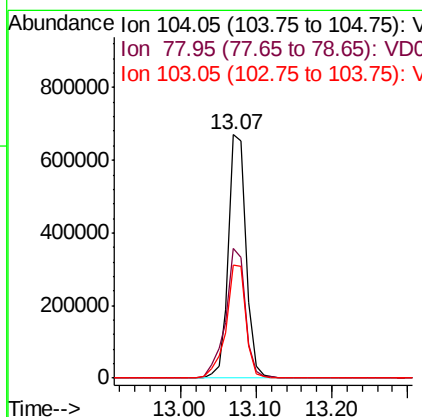
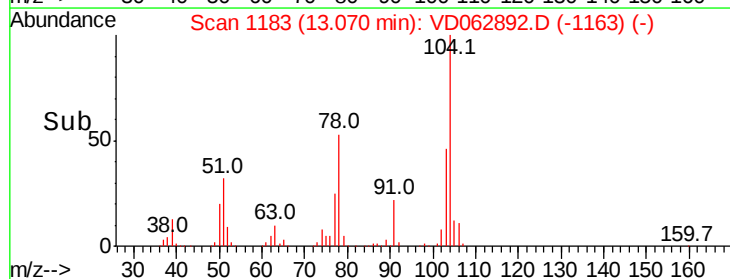
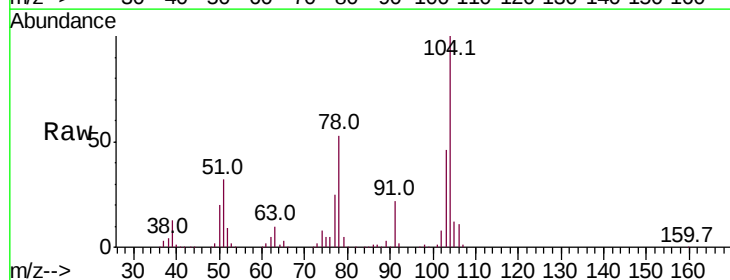
Manual Integrations
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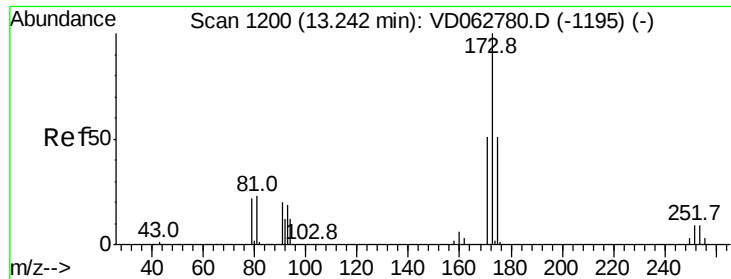
MMDadoda
6/27/2019 12:44:51 AM



#70
Styrene
Concen: 53.947 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Tgt Ion:104 Resp: 1076071
Ion Ratio Lower Upper
104 100
78 53.1 45.4 68.2
103 46.3 39.7 59.5





#71

Bromoform

Concen: 55.885 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Instrument :

MSVOA_D

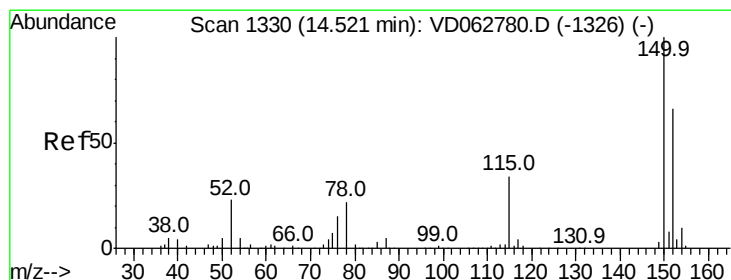
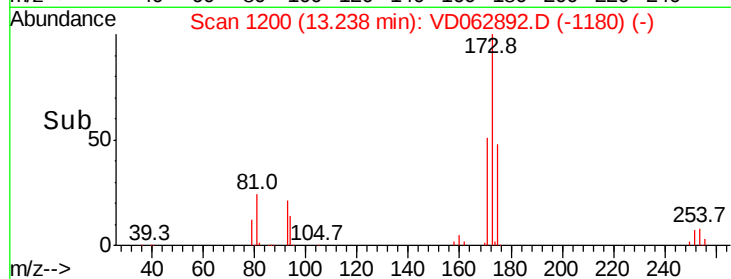
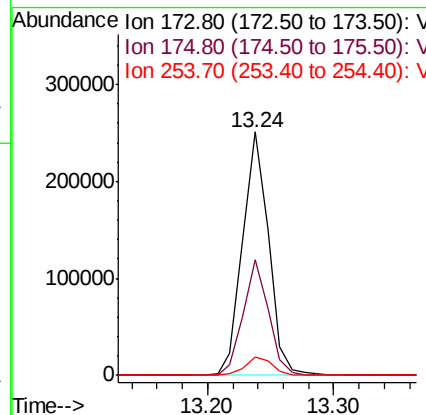
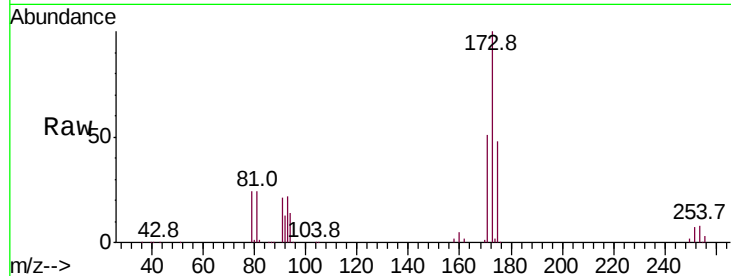
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	25.3	75.9
254	7.6	7.1	10.7

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

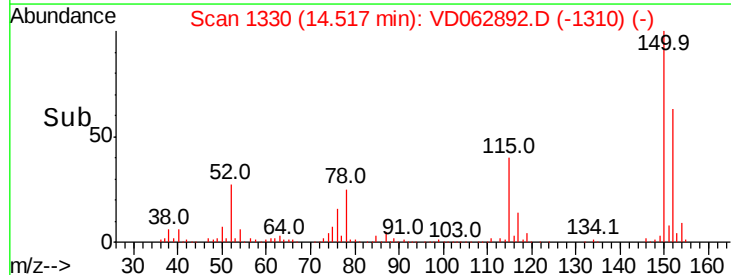
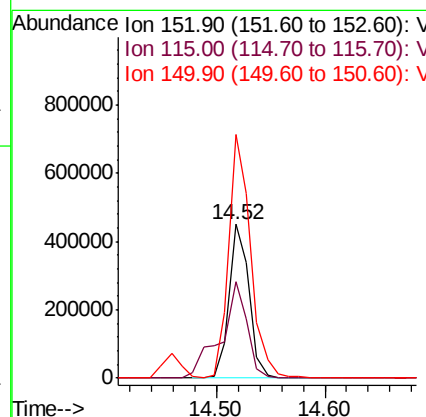
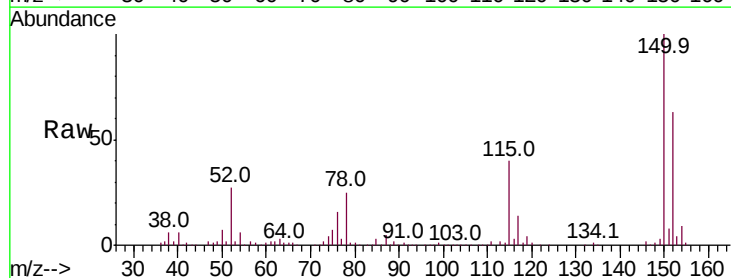
RT: 14.52 min Scan# 1330

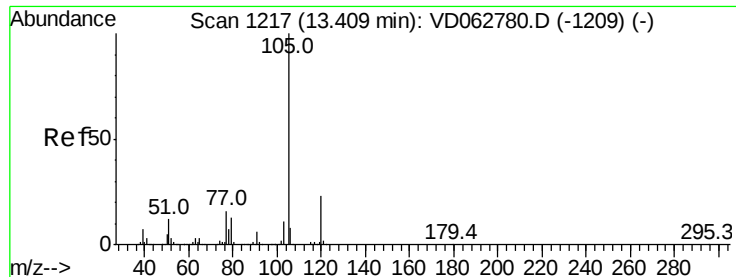
Delta R.T. -0.00 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.0	29.2	87.6
150	158.3	0.0	305.8





#73

Isopropylbenzene

Concen: 49.742 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1826903

Ion Ratio Lower Upper

105 100

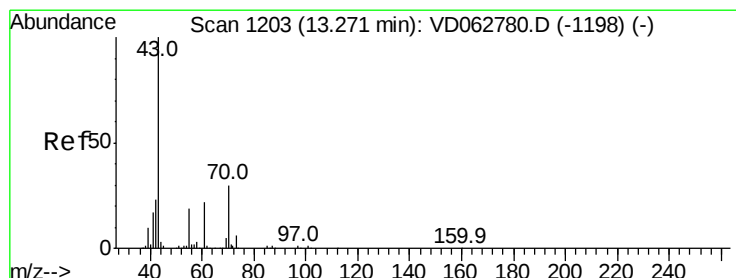
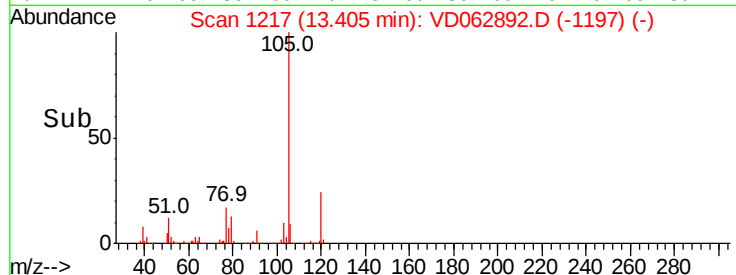
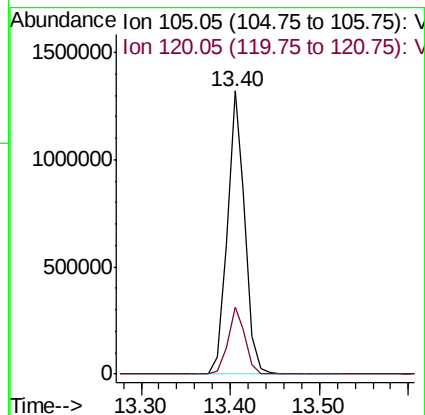
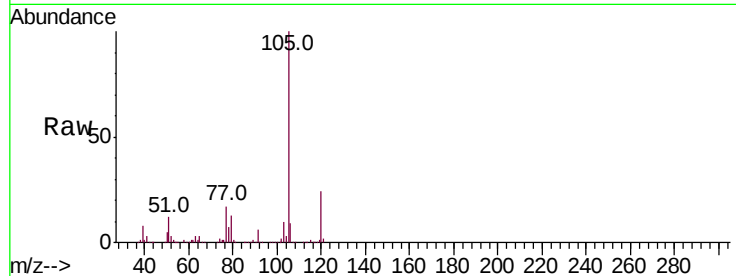
120 23.6 11.6 34.7

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#74

N-ethyl acetate

Concen: 52.592 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Tgt Ion: 43 Resp: 469080

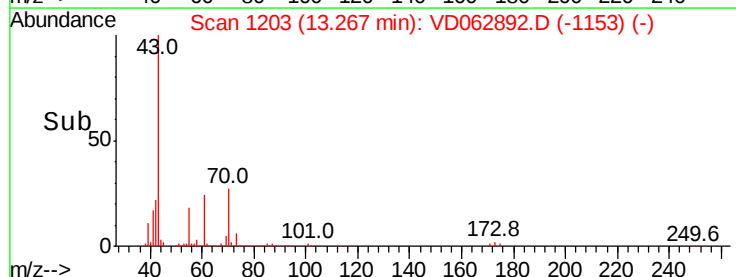
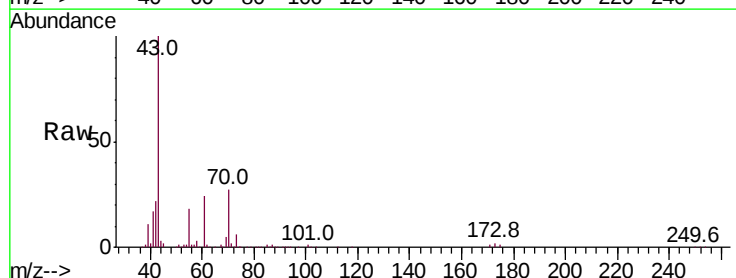
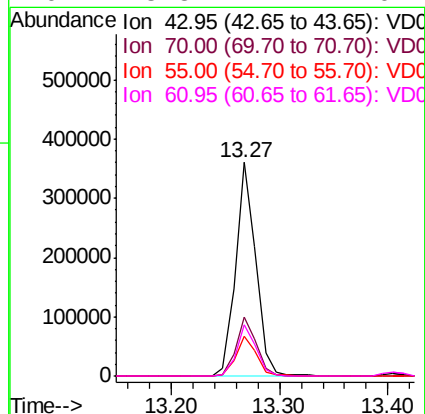
Ion Ratio Lower Upper

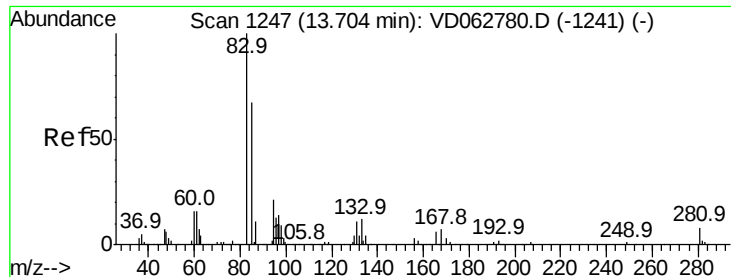
43 100

70 27.4 24.4 36.6

55 18.5 15.2 22.8

61 23.8 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 54.407 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 325580

Ion Ratio Lower Upper

83 100

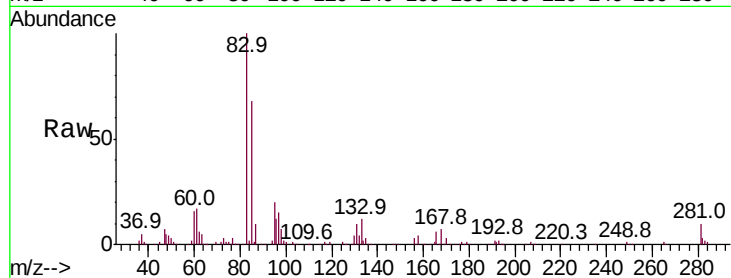
131 10.3 5.3 16.1

85 67.7 33.7 101.1

Manual Integrations
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MMDadoda

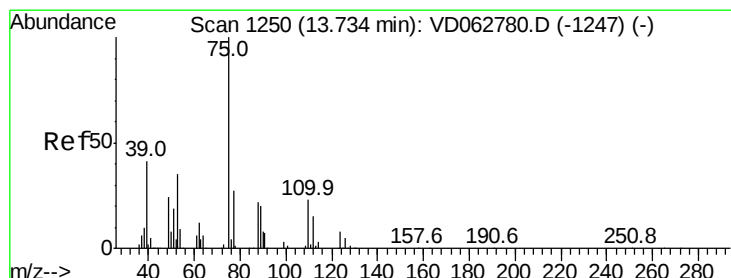
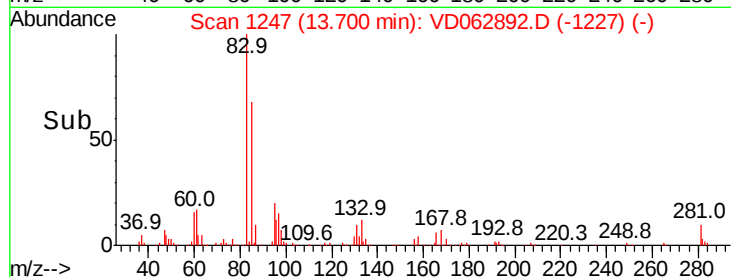
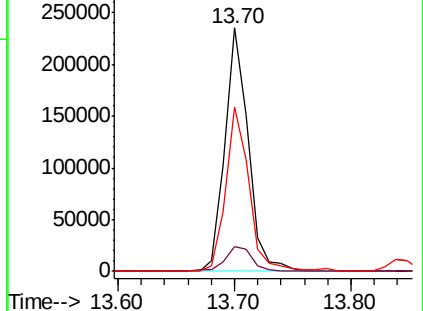
6/27/2019 12:44:51 AM



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 55.598 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062892.D

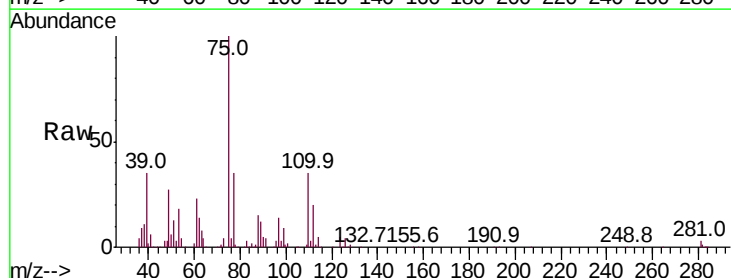
Acq: 25 Jun 2019 22:58

Tgt Ion: 75 Resp: 367654

Ion Ratio Lower Upper

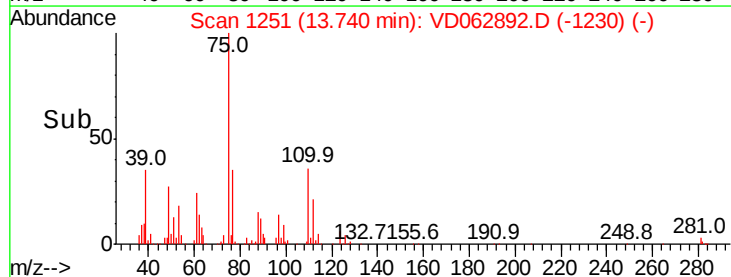
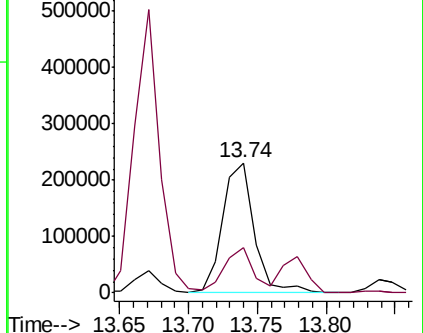
75 100

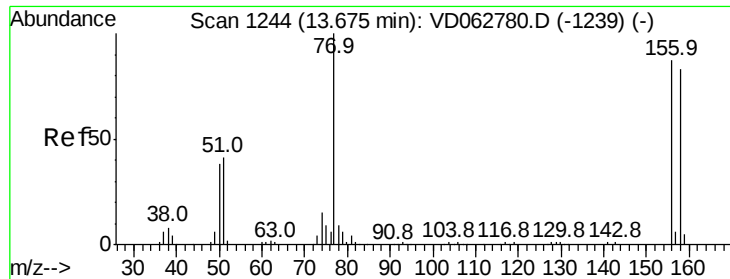
77 34.8 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





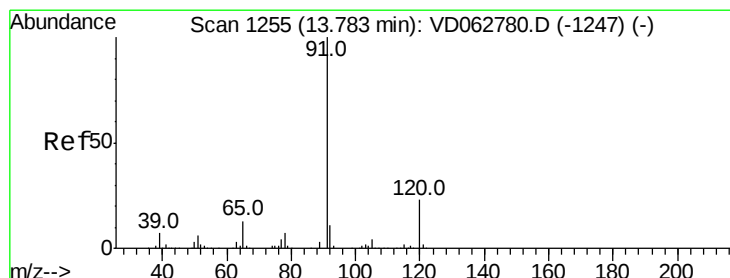
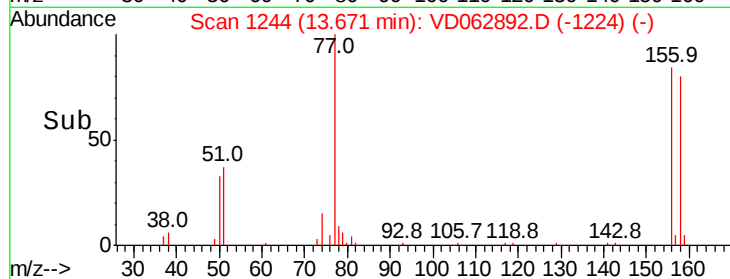
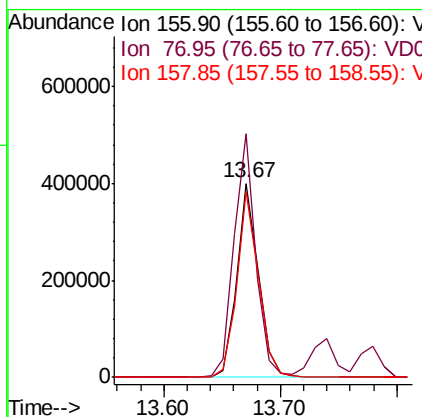
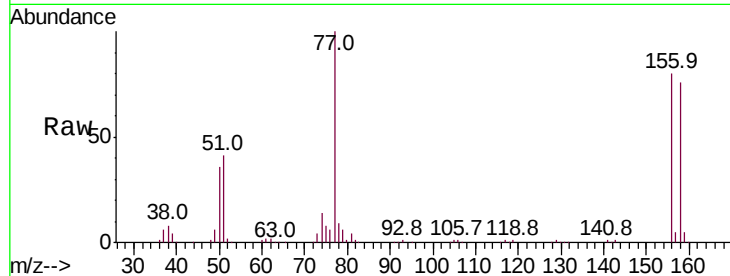
#77
Bromobenzene
Concen: 51.966 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:156 Resp: 513355
Ion Ratio Lower Upper
156 100
77 125.4 57.7 173.1
158 95.6 47.7 143.1

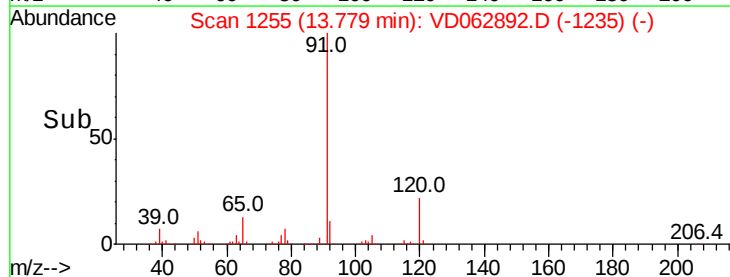
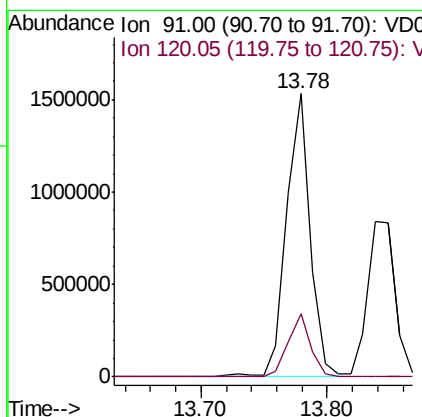
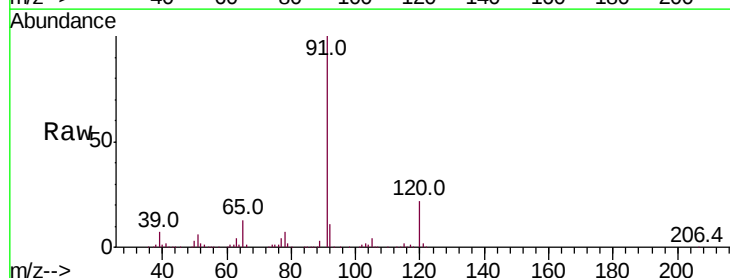
Manual Integrations
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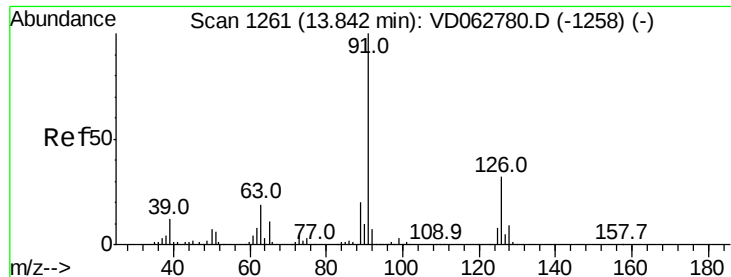
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#78
n-propylbenzene
Concen: 46.837 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Tgt Ion: 91 Resp: 2002175
Ion Ratio Lower Upper
91 100
120 22.1 11.3 33.8





#79

2-Chlorotoluene

Concen: 52.411 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1280357

Ion Ratio Lower Upper

91 100

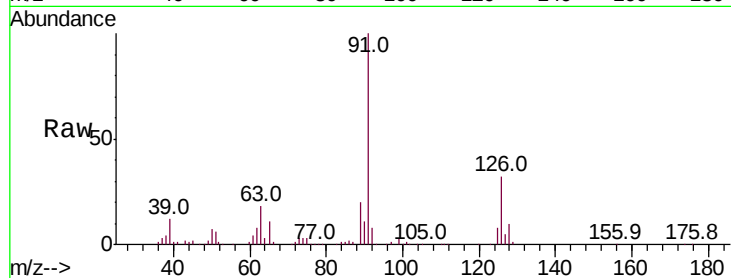
126 32.1 15.7 47.1

Manual Integrations

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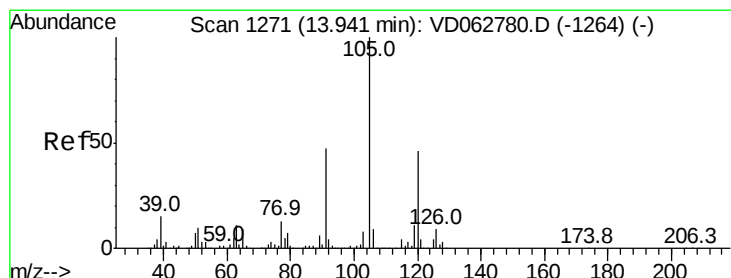
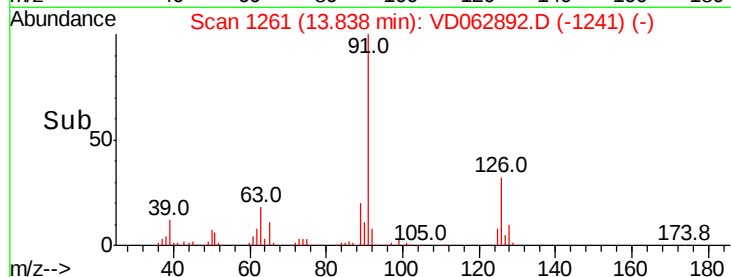
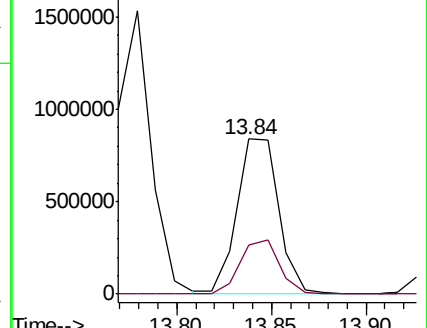
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 49.296 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD062892.D

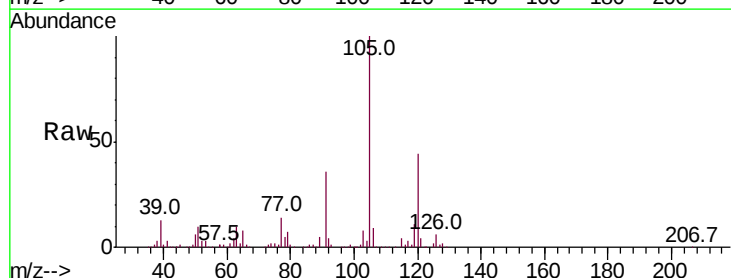
Acq: 25 Jun 2019 22:58

Tgt Ion:105 Resp: 1520781

Ion Ratio Lower Upper

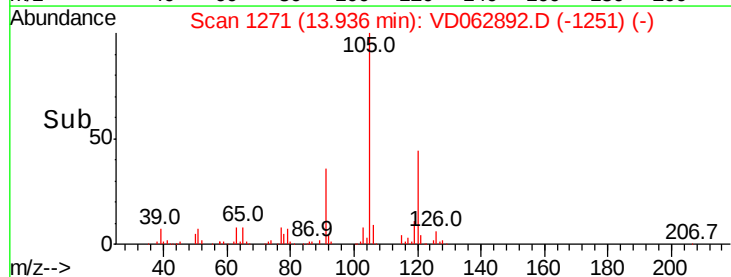
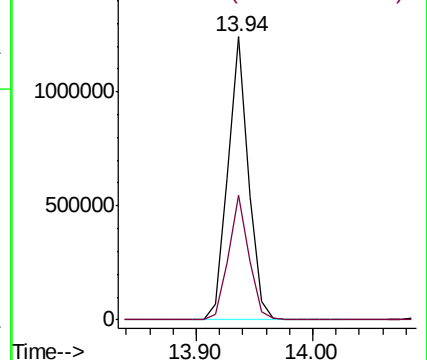
105 100

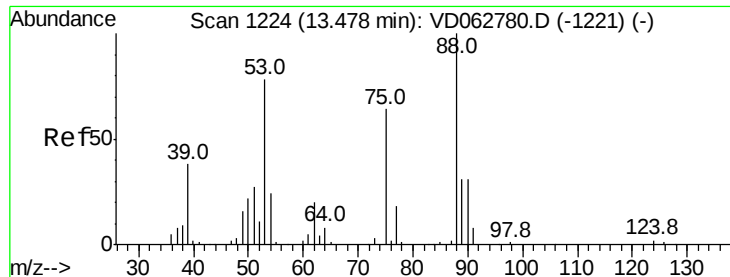
120 43.9 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





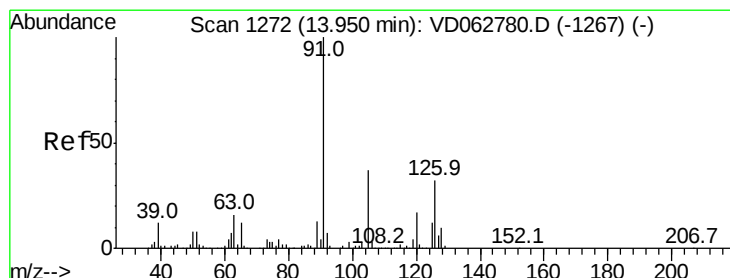
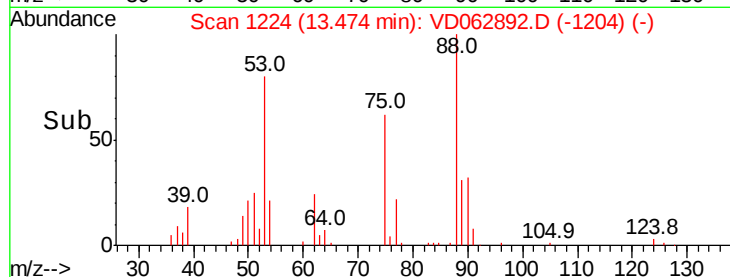
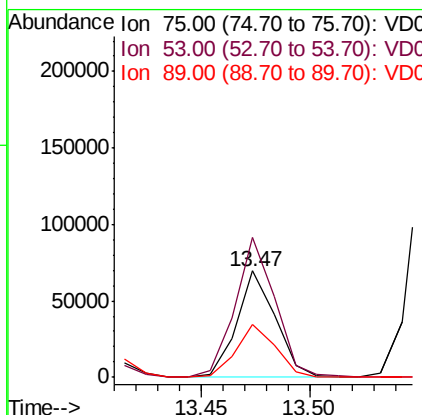
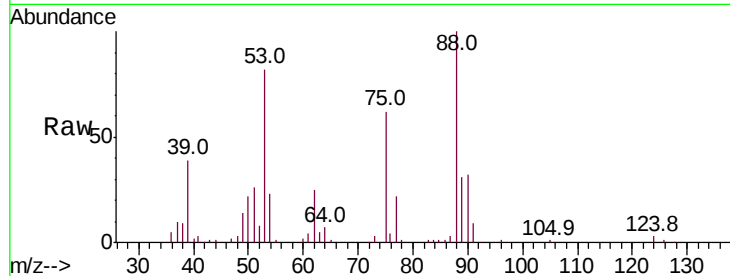
#81
trans-1,4-Dichloro-2-butene
Concen: 50.115 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	131.7	97.8	146.8
89	49.1	39.4	59.2

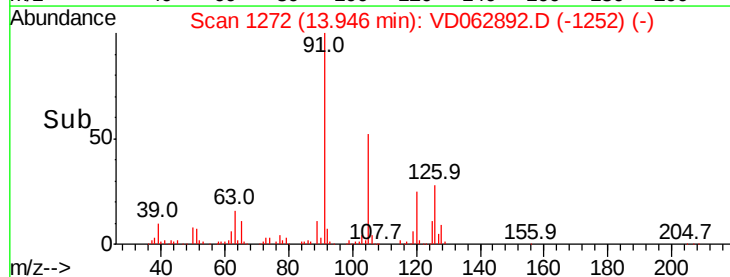
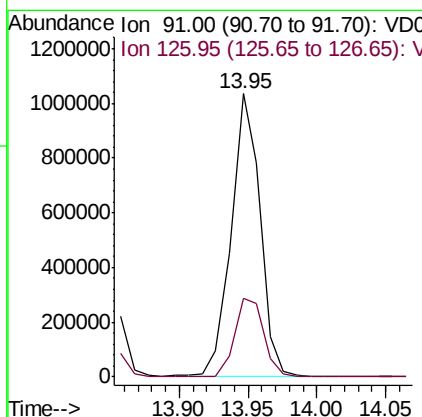
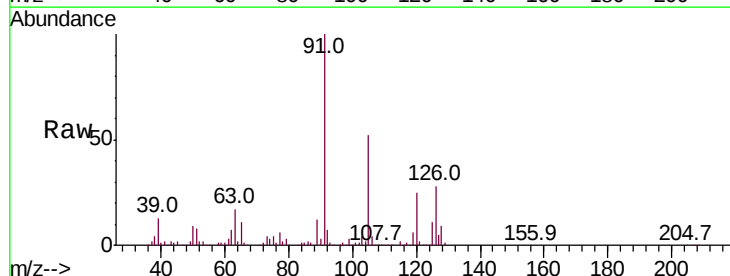
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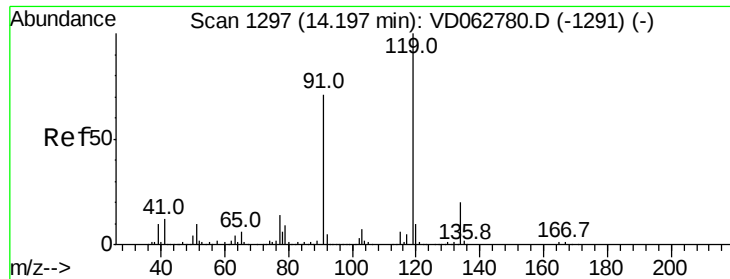
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#82
4-Chlorotoluene
Concen: 51.033 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.7	16.0	47.9





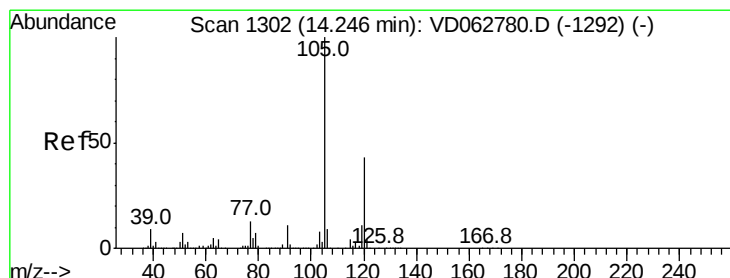
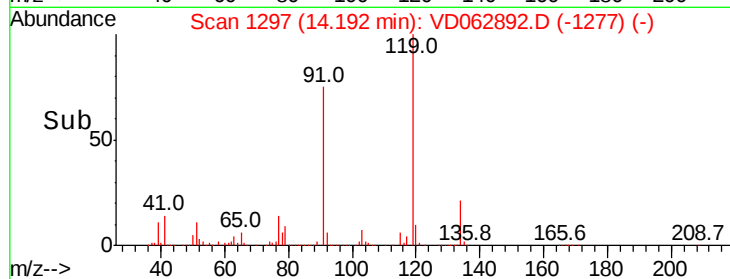
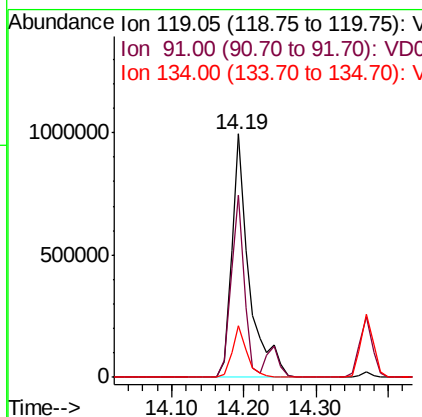
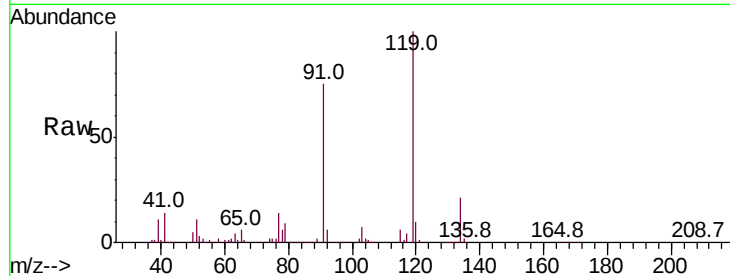
#83
 tert-Butylbenzene
 Concen: 48.354 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD062892.D
 Acq: 25 Jun 2019 22:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1662738
 Ion Ratio Lower Upper
 119 100
 91 75.0 35.5 106.5
 134 21.4 10.2 30.6

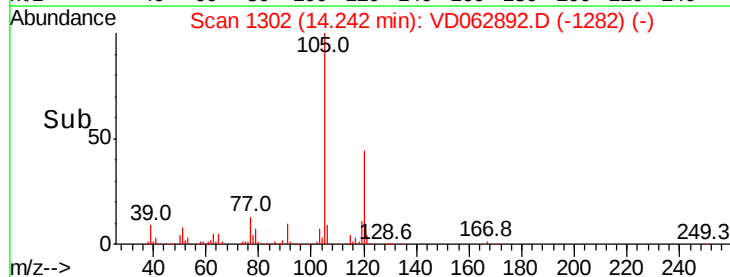
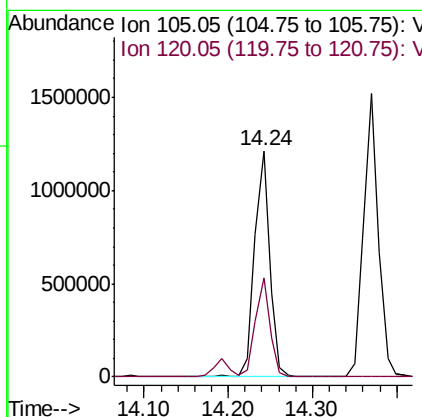
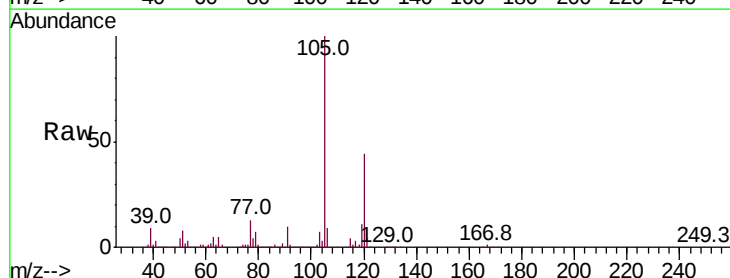
Manual Integrations
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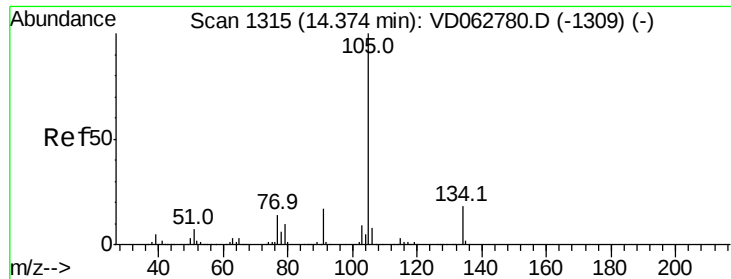
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.934 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD062892.D
 Acq: 25 Jun 2019 22:58

Tgt Ion:105 Resp: 1547284
 Ion Ratio Lower Upper
 105 100
 120 43.9 21.3 63.9





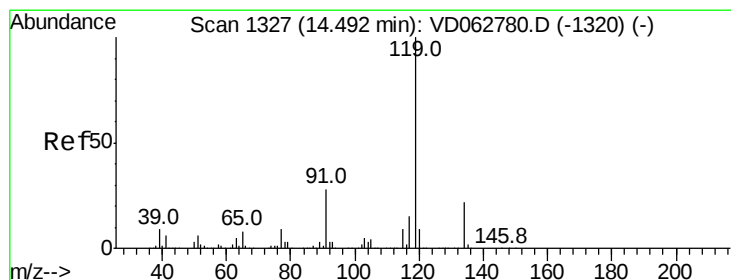
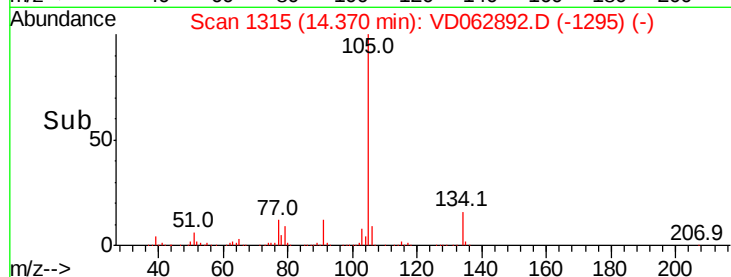
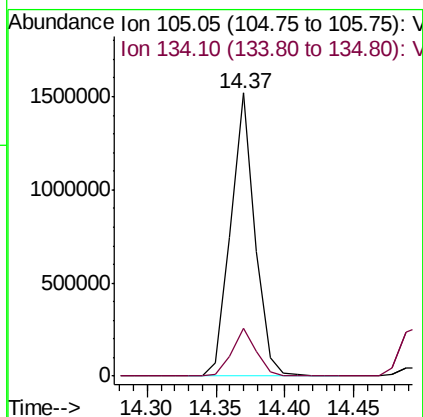
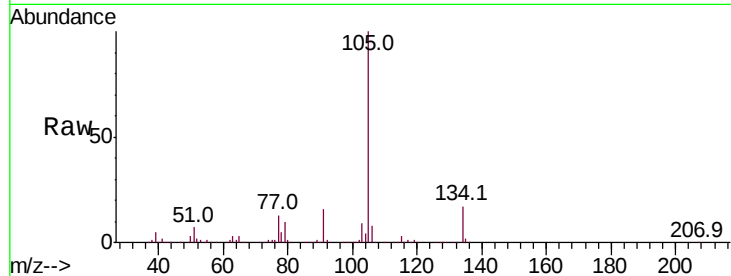
#85
 sec-Butylbenzene
 Concen: 49.352 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD062892.D
 Acq: 25 Jun 2019 22:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1844470
 Ion Ratio Lower Upper
 105 100
 134 16.9 9.1 27.3

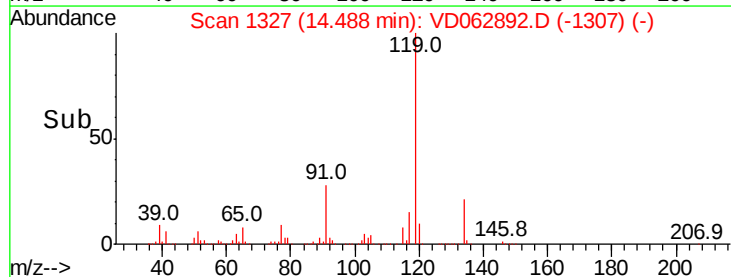
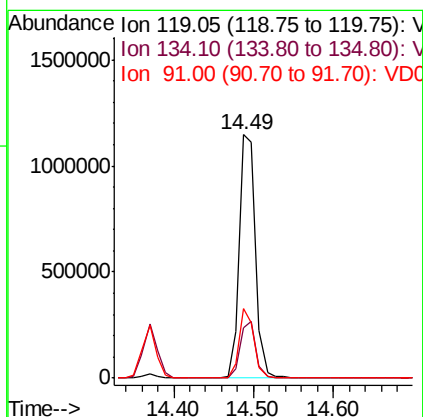
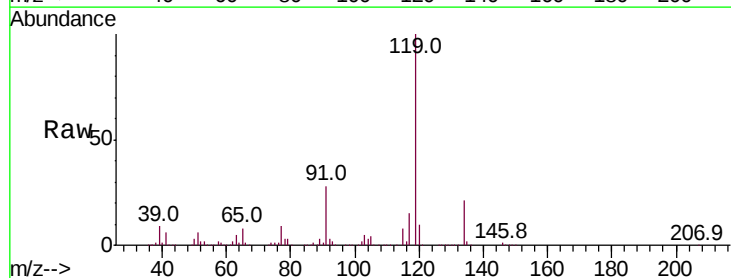
Manual Integrations
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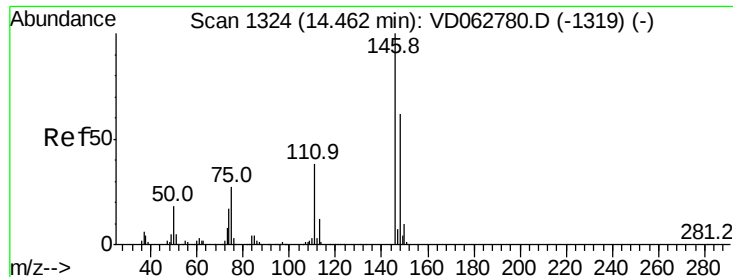
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#86
 p-Isopropyltoluene
 Concen: 47.867 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD062892.D
 Acq: 25 Jun 2019 22:58

Tgt Ion:119 Resp: 1636615
 Ion Ratio Lower Upper
 119 100
 134 20.8 11.1 33.1
 91 28.4 14.0 41.9





#87

1,3-Dichlorobenzene

Concen: 51.805 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Instrument :

MSVOA_D

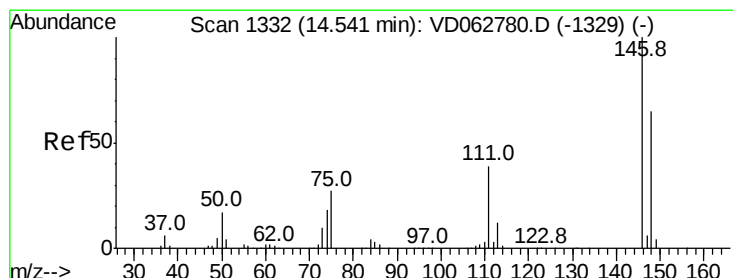
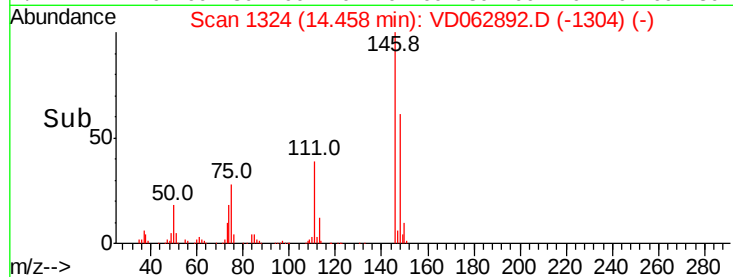
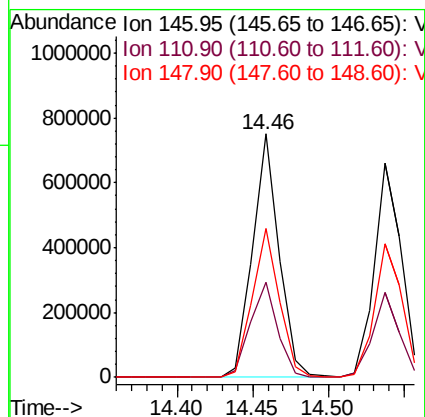
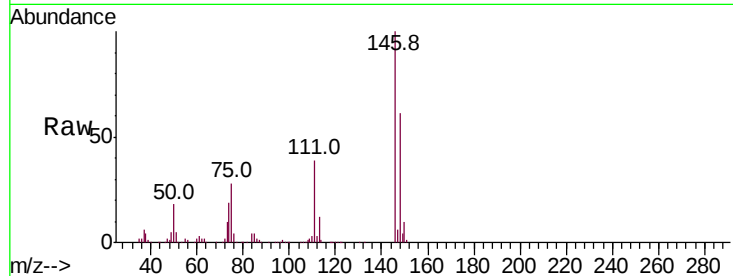
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	917376
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.0	57.0
148	61.3	30.8	92.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.063 ug/l

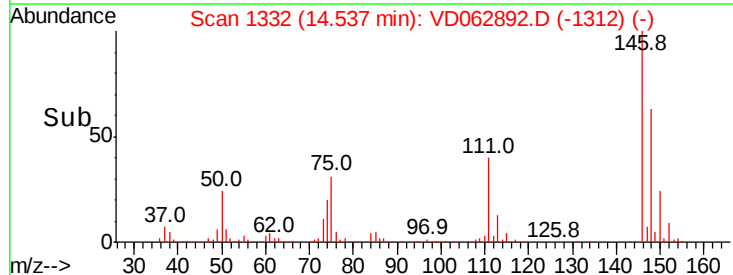
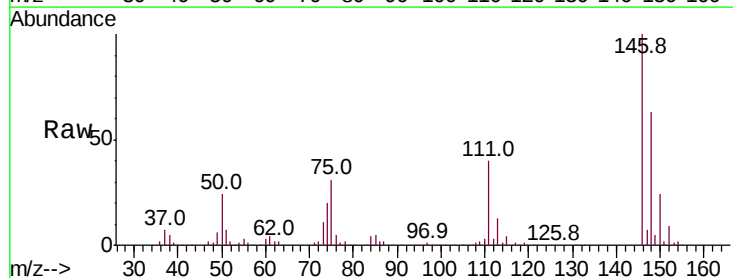
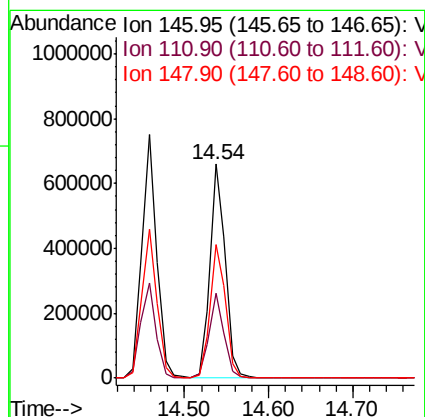
RT: 14.54 min Scan# 1332

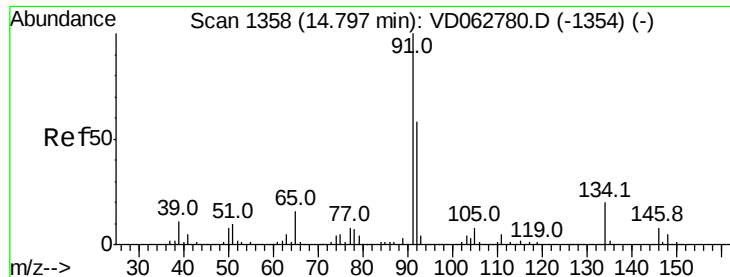
Delta R.T. -0.00 min

Lab File: VD062892.D

Acq: 25 Jun 2019 22:58

Tgt Ion:	146	Resp:	837068
Ion Ratio	Lower	Upper	
146	100		
111	39.7	19.7	59.1
148	62.5	32.8	98.3





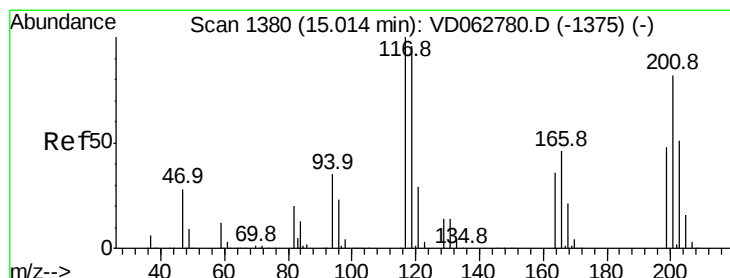
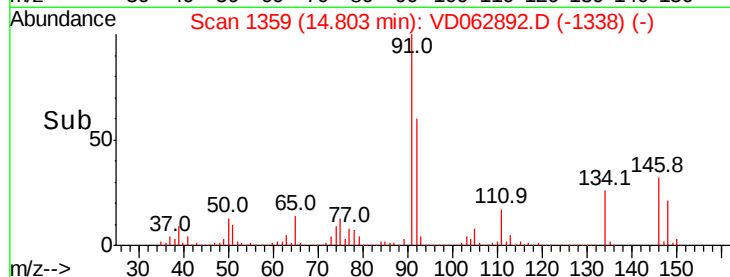
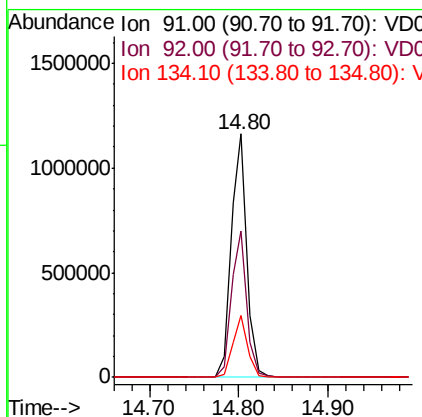
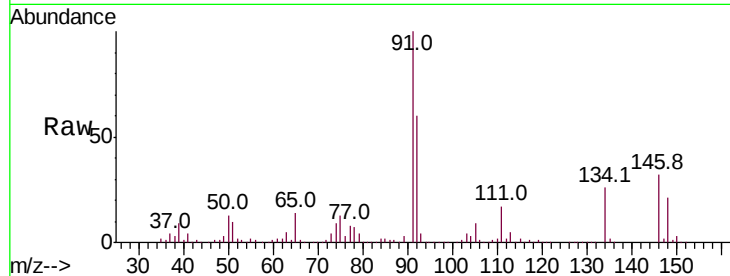
#89
n-Butylbenzene
Concen: 45.396 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1452730
Ion Ratio Lower Upper
91 100
92 59.9 28.9 86.7
134 25.6 10.1 30.3

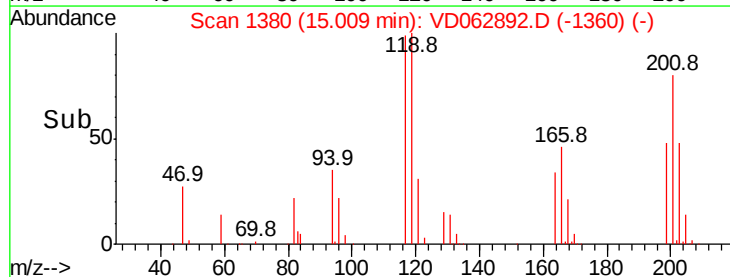
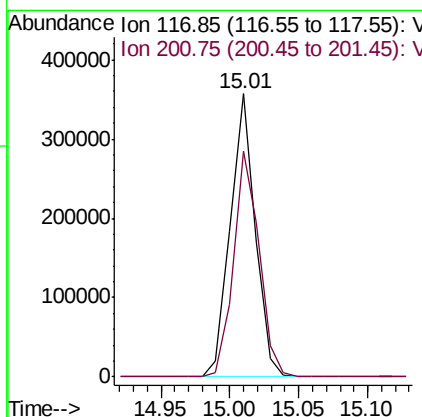
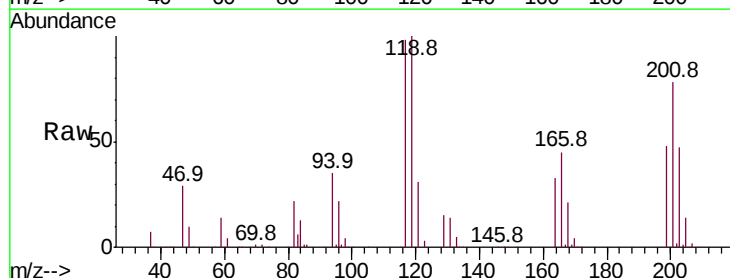
Manual Integrations
APPROVED

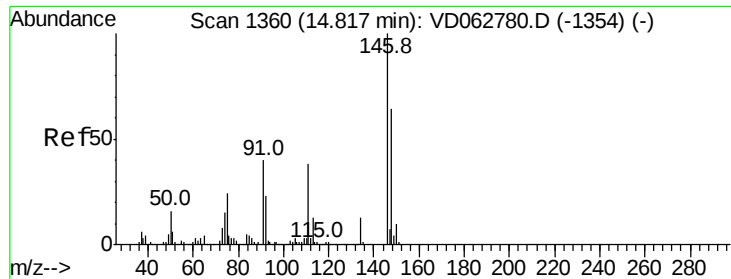
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6/27/2019 12:44:51 AM



#90
Hexachloroethane
Concen: 48.838 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Tgt Ion: 117 Resp: 448963
Ion Ratio Lower Upper
117 100
201 79.9 40.8 122.2





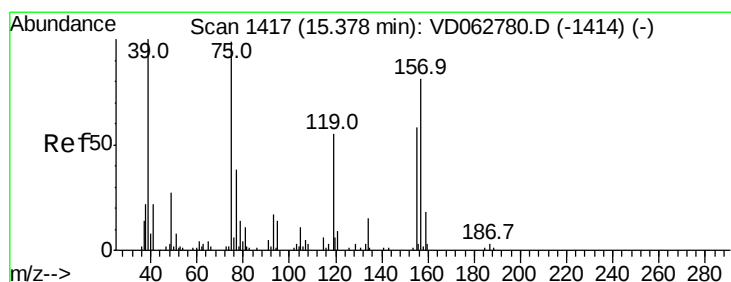
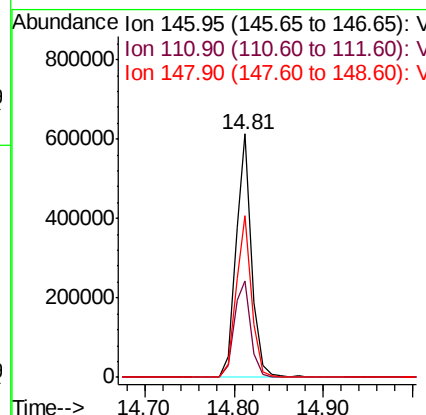
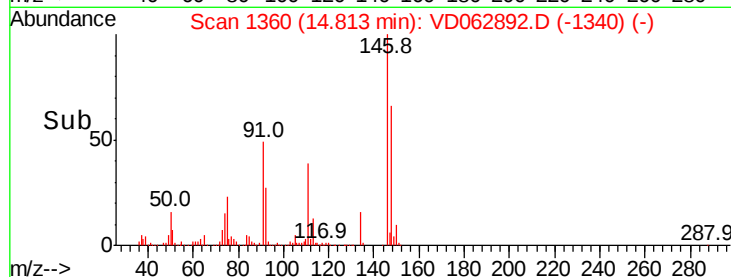
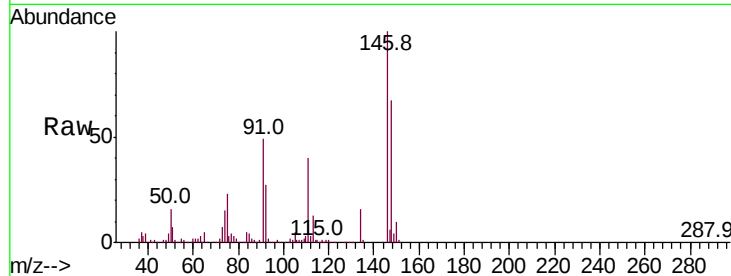
#91
1,2-Dichlorobenzene
Concen: 50.112 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.1	57.1
148	66.5	32.3	96.8

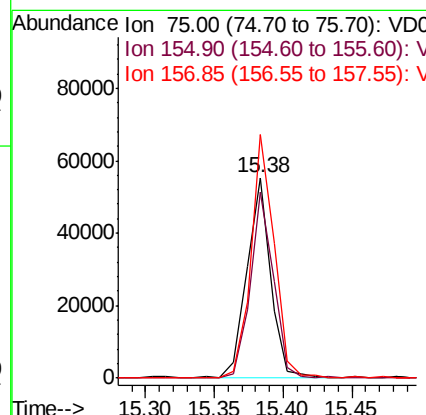
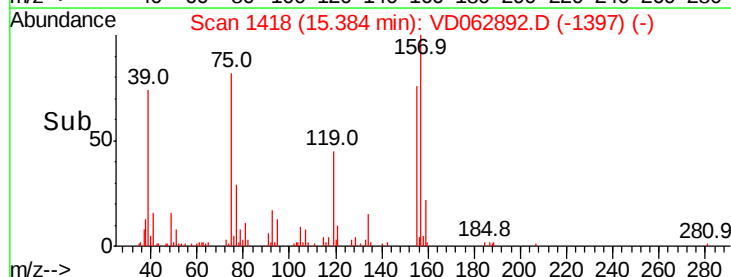
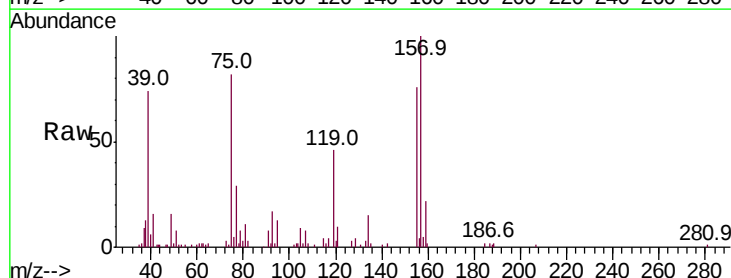
Manual Integrations
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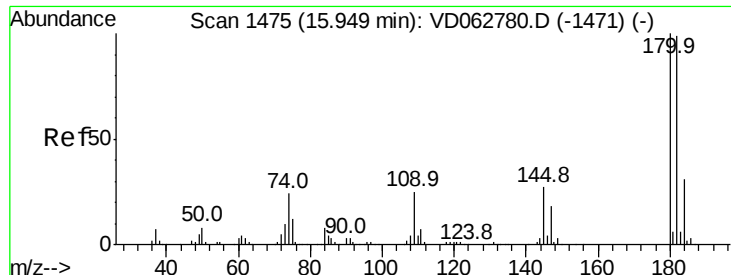
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#92
1,2-Dibromo-3-Chloropropane
Concen: 57.204 ug/l
RT: 15.38 min Scan# 1418
Delta R.T. 0.01 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	29.3	87.8#
157	121.5	41.3	123.7





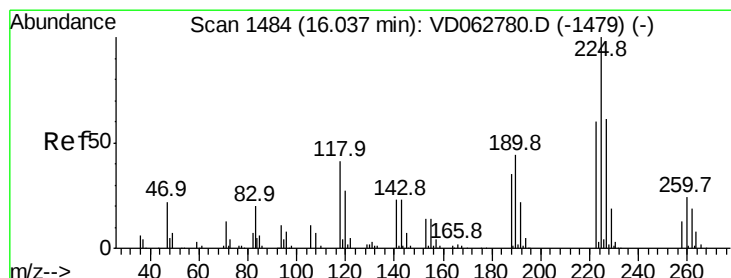
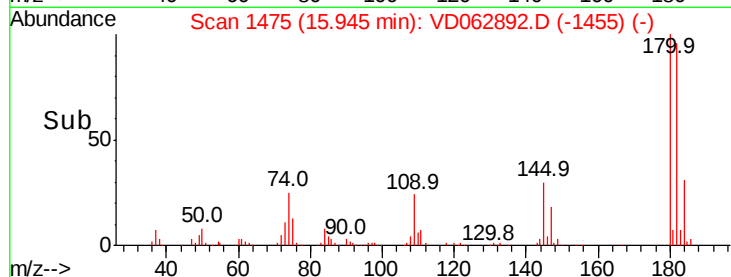
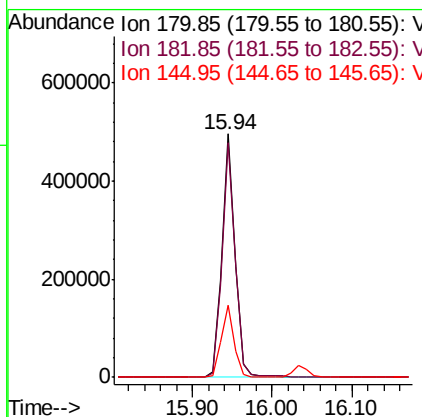
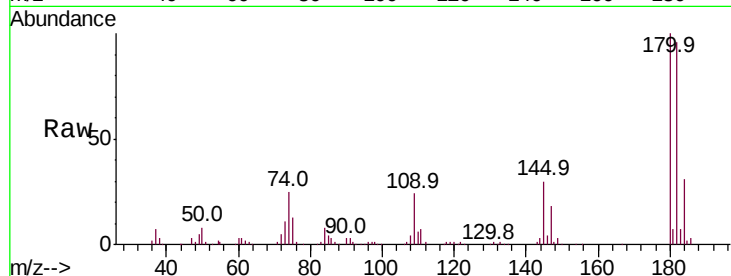
#93
 1,2,4-Trichlorobenzene
 Concen: 48.993 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062892.D
 Acq: 25 Jun 2019 22:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.2	49.5	148.5	
145	29.8	13.7	41.0	

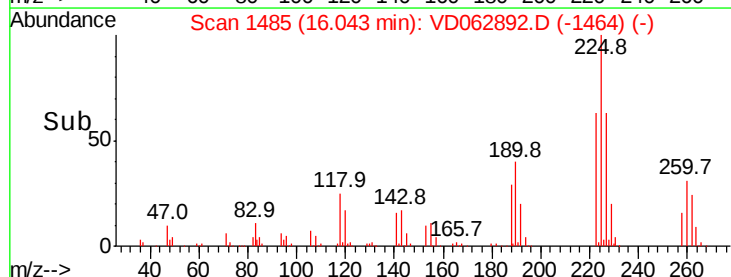
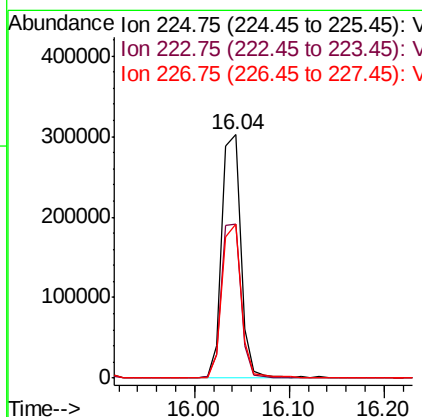
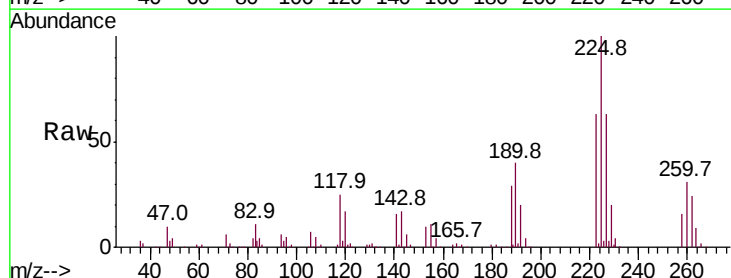
Manual Integrations
 APPROVED

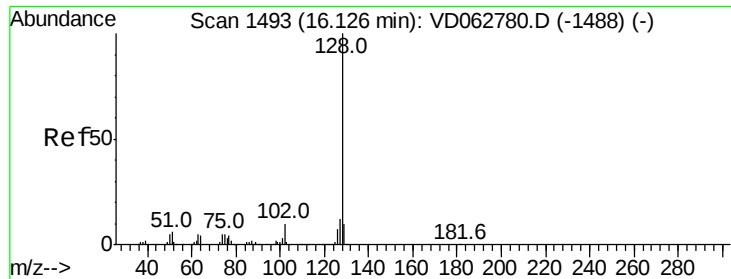
MMDadoda
 6/27/2019 12:44:51 AM



#94
 Hexachlorobutadiene
 Concen: 46.833 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062892.D
 Acq: 25 Jun 2019 22:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	29.8	89.5	
227	63.0	30.6	91.6	





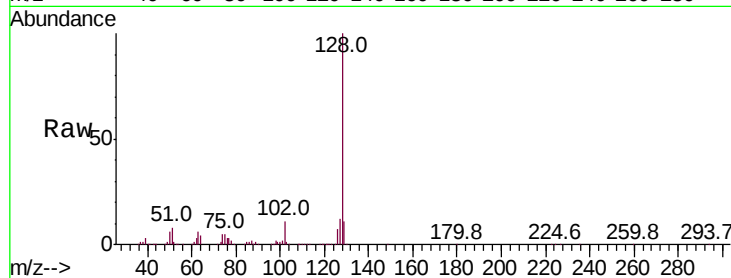
#95
Naphthalene
Concen: 56.411 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

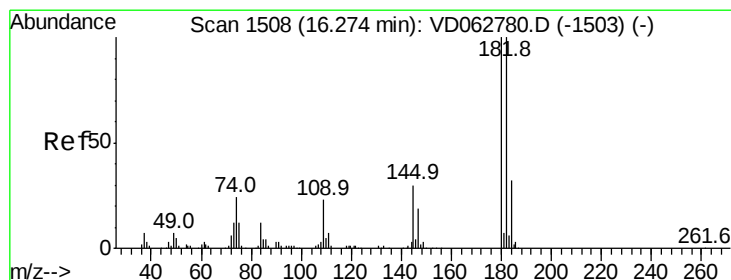
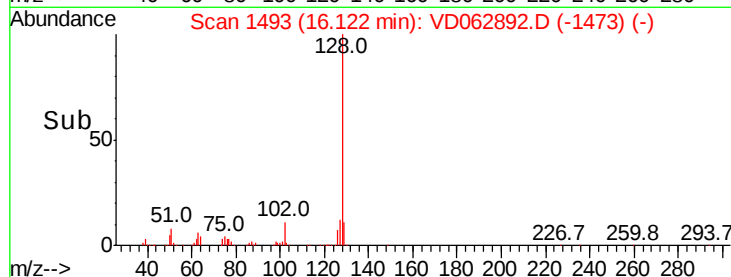
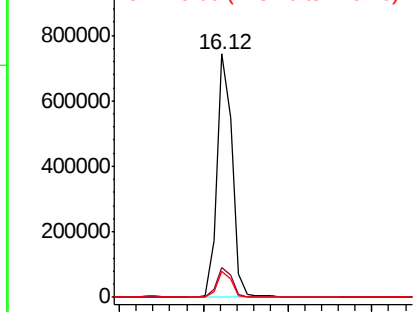
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.7	14.5
129	10.5	8.3	12.5

Manual Integrations
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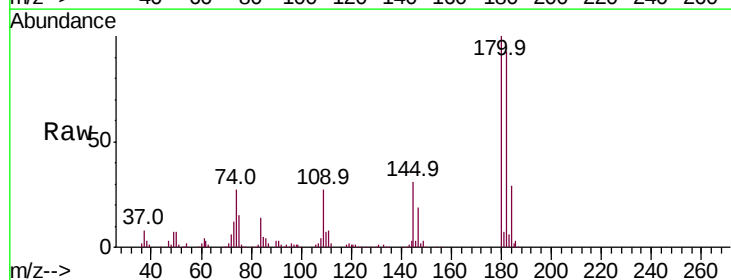


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 52.434 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062892.D
Acq: 25 Jun 2019 22:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	49.9	149.6
145	30.9	15.2	45.5



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

