

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062890.D
 Acq On : 25 Jun 2019 20:14
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/27/2019 12:44:50 AM

Quant Time: Jun 26 07:12:56 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	827865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1112852	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	959111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	517258	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	440428	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
35) Dibromofluoromethane	6.93	113	435158	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	
50) Toluene-d8	10.42	98	943785	46.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.42%	
62) 4-Bromofluorobenzene	13.55	95	452186	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	510813	47.682	ug/l	97
3) Chloromethane	1.75	50	384270	47.695	ug/l	97
4) Vinyl Chloride	1.85	62	375804	47.045	ug/l	99
5) Bromomethane	2.15	94	172341	46.068	ug/l	98
6) Chloroethane	2.27	64	181191	50.100	ug/l	94
7) Trichlorofluoromethane	2.54	101	878008	54.310	ug/l	99
8) Diethyl Ether	2.87	74	121876	59.333	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.15	101	465768	53.180	ug/l	88
10) Methyl Iodide	3.31	142	583989	50.541	ug/l	99
11) Tert butyl alcohol	4.10	59	96921	236.482	ug/l #	91
12) 1,1-Dichloroethene	3.13	96	346636	52.759	ug/l	93
13) Acrolein	3.04	56	81945	195.851	ug/l	96
14) Allyl chloride	3.62	41	515072	53.056	ug/l	92
15) Acrylonitrile	4.20	53	270184	280.557	ug/l	90
16) Acetone	3.23	43	496285	272.588	ug/l	98
17) Carbon Disulfide	3.37	76	996819	47.472	ug/l #	95
18) Methyl Acetate	3.65	43	159366	58.666	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	818008	57.512	ug/l	98
20) Methylene Chloride	3.83	84	342264	49.872	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	367758	52.568	ug/l	99
22) Diisopropyl ether	5.14	45	1063368	53.860	ug/l	99
23) Vinyl Acetate	5.07	43	3451798	279.405	ug/l	99
24) 1,1-Dichloroethane	4.99	63	662520	51.541	ug/l	98
25) 2-Butanone	6.08	43	494479	293.800	ug/l	97
26) 2,2-Dichloropropane	6.03	77	688863	50.559	ug/l	96
27) cis-1,2-Dichloroethene	6.04	96	406630	54.965	ug/l	96
28) Bromochloromethane	6.45	49	226316	49.989	ug/l	85
29) Tetrahydrofuran	6.47	42	216840	272.305	ug/l	96
30) Chloroform	6.67	83	858474	54.915	ug/l	93
31) Cyclohexane	6.96	56	431886	51.108	ug/l	90
32) 1,1,1-Trichloroethane	6.88	97	848222	52.094	ug/l	92
36) 1,1-Dichloropropene	7.15	75	543725	51.613	ug/l	98
37) Ethyl Acetate	6.19	43	250404	56.732	ug/l	97
38) Carbon Tetrachloride	7.11	117	836060m	52.769	ug/l	

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 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)
39) Methylcyclohexane	8.88	83	487052	52.523	ug/l	95
40) Benzene	7.46	78	1182882	55.938	ug/l	98
41) Methacrylonitrile	6.47	41	292905	52.722	ug/l #	85
42) 1,2-Dichloroethane	7.59	62	665788	57.715	ug/l	100
43) Isopropyl Acetate	9.25	43	322247	58.347	ug/l #	96
44) Trichloroethene	8.55	130	469983	56.691	ug/l	91
45) 1,2-Dichloropropane	8.95	63	278695	53.002	ug/l	98
46) Dibromomethane	9.07	93	256972	56.892	ug/l	90
47) Bromodichloromethane	9.38	83	663078	56.525	ug/l	99
48) Methyl methacrylate	9.13	41	215034	54.788	ug/l	90
49) 1,4-Dioxane	9.09	88	39133	1198.448	ug/l	95
51) 4-Methyl-2-Pentanone	10.31	43	1181298	301.677	ug/l	100
52) Toluene	10.52	92	757189	53.268	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	548701	57.148	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	569303	54.552	ug/l	95
55) 1,1,2-Trichloroethane	11.20	97	279033	57.136	ug/l	92
56) Ethyl methacrylate	11.05	69	314658	60.290	ug/l	97
57) 1,3-Dichloropropane	11.42	76	417109	55.781	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	798693	298.088	ug/l	100
59) 2-Hexanone	11.54	43	866483	310.704	ug/l	99
60) Dibromochloromethane	11.69	129	524511	57.661	ug/l	98
61) 1,2-Dibromoethane	11.81	107	333103	57.752	ug/l	98
64) Tetrachloroethene	11.26	164	450769	57.105	ug/l	96
65) Chlorobenzene	12.40	112	984010	55.281	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	463553	55.687	ug/l	92
67) Ethyl Benzene	12.53	91	1768876	55.350	ug/l	98
68) m/p-Xylenes	12.67	106	1243460	111.715	ug/l	99
69) o-Xylene	13.05	106	590296	58.014	ug/l	94
70) Styrene	13.07	104	985967	55.168	ug/l	98
71) Bromoform	13.24	173	337773	59.224	ug/l	95
73) Isopropylbenzene	13.41	105	1777917	53.607	ug/l	99
74) N-amyl acetate	13.27	43	476261	59.132	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	305977	56.623	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	348093	58.294	ug/l	98
77) Bromobenzene	13.67	156	489233	54.843	ug/l	89
78) n-propylbenzene	13.78	91	2186210	56.635	ug/l	98
79) 2-Chlorotoluene	13.85	91	1273768	57.741	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	1604197	57.585	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	89798	57.379	ug/l	97
82) 4-Chlorotoluene	13.95	91	1486171	55.959	ug/l	94
83) tert-Butylbenzene	14.19	119	1720893	55.420	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	1552154	54.360	ug/l	99
85) sec-Butylbenzene	14.37	105	1792219	53.104	ug/l	95
86) p-Isopropyltoluene	14.50	119	1634444	52.937	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	872727	54.577	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	884201	55.052	ug/l	97
89) n-Butylbenzene	14.80	91	1663171	57.553	ug/l	96
90) Hexachloroethane	15.01	117	467570	56.324	ug/l	95
91) 1,2-Dichlorobenzene	14.81	146	813967	59.494	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	66657	63.199	ug/l #	51

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ClientSampleId :
VSTDCCC050EC

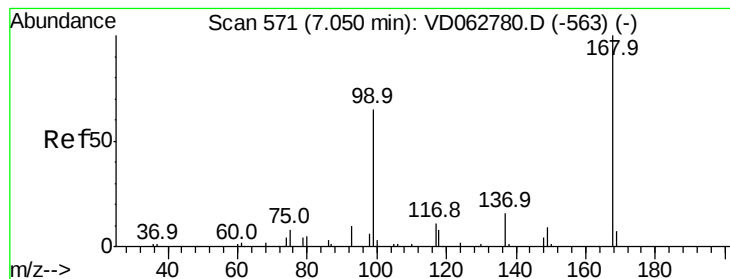
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	631273	59.067	ug/l	97
94) Hexachlorobutadiene	16.04	225	477267	58.455	ug/l	97
95) Naphthalene	16.12	128	941580	62.858	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	505917	61.611	ug/l	97

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



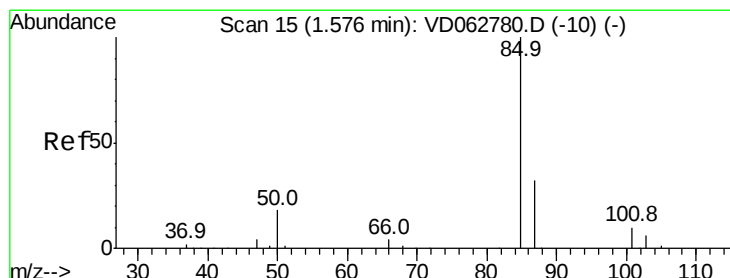
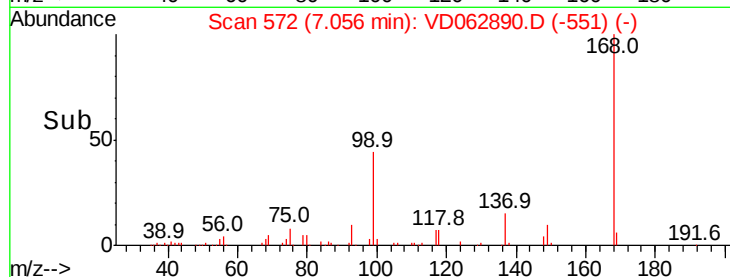
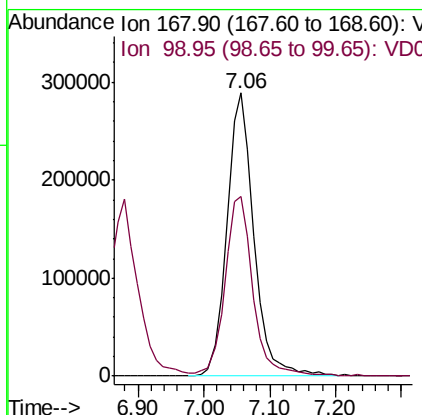
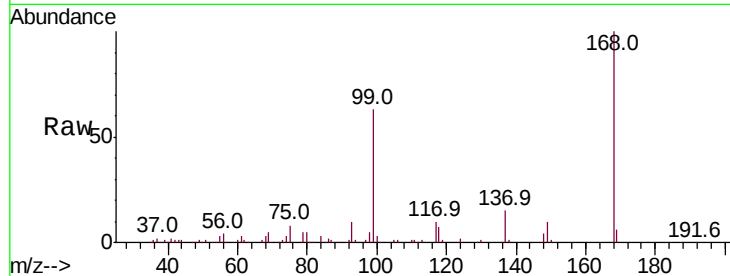
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.01 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	63.4	53.0	79.6

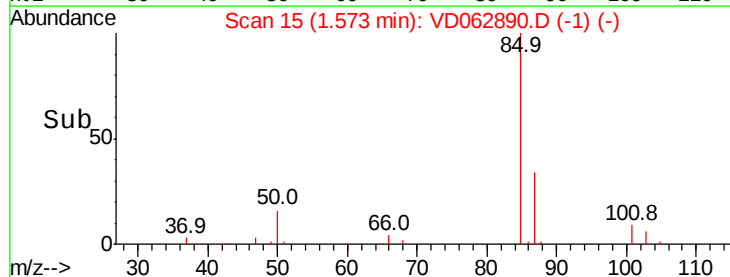
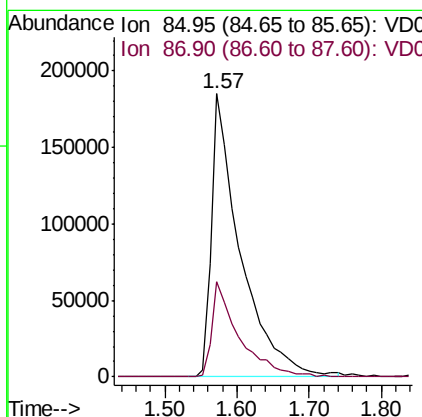
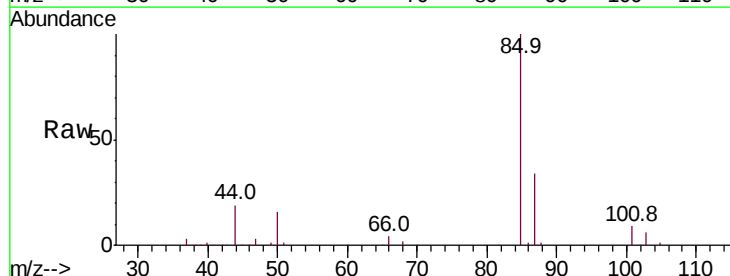
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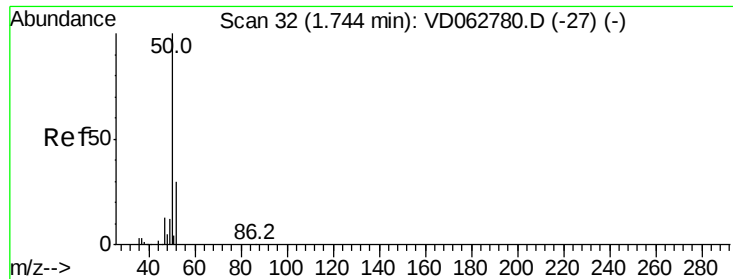
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#2
Dichlorodifluoromethane
Concen: 47.682 ug/l
RT: 1.57 min Scan# 15
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.5	15.9	47.6





#3

Chloromethane

Concen: 47.695 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 384270

Ion Ratio Lower Upper

50 100

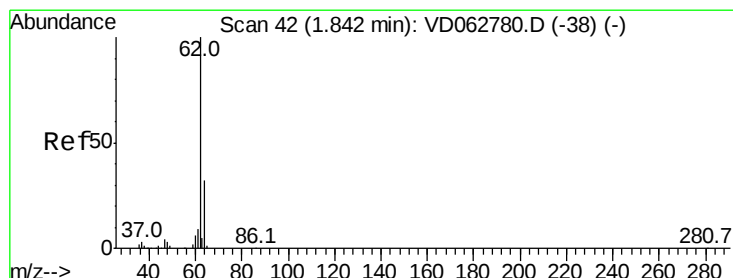
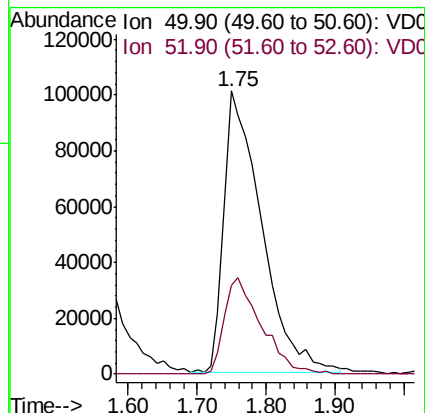
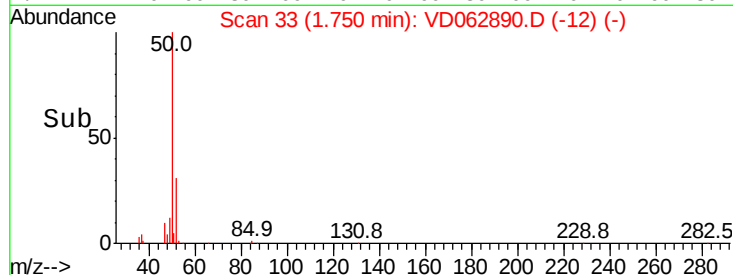
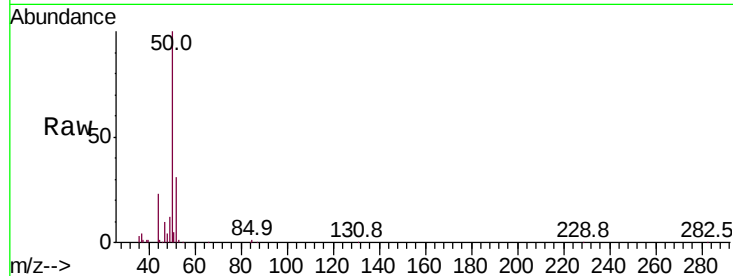
52 31.4 23.6 35.4

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#4

Vinyl Chloride

Concen: 47.045 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062890.D

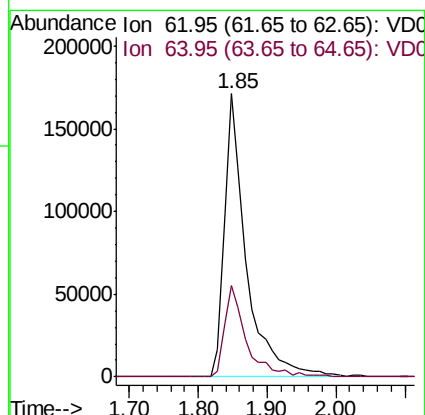
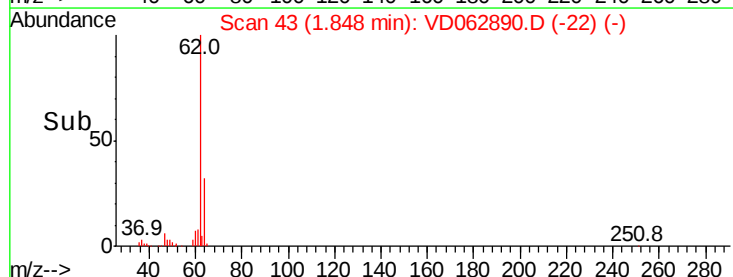
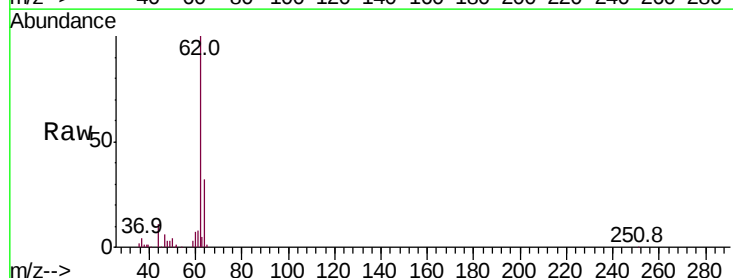
Acq: 25 Jun 2019 20:14

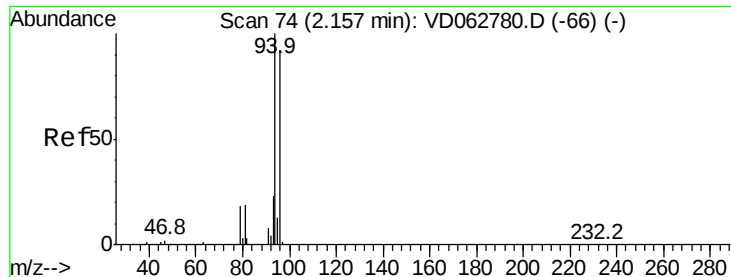
Tgt Ion: 62 Resp: 375804

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4





#5

Bromomethane

Concen: 46.068 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

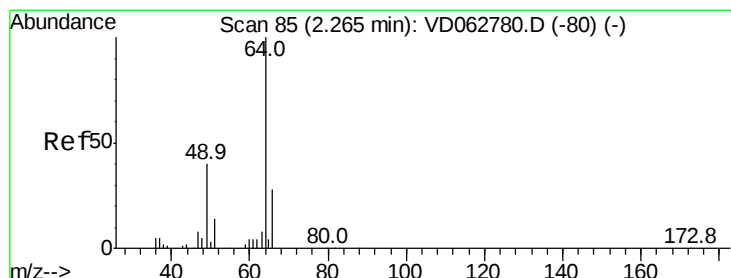
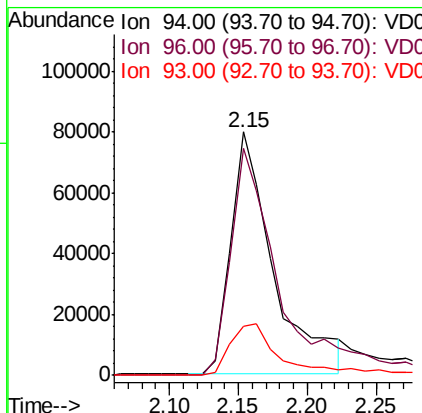
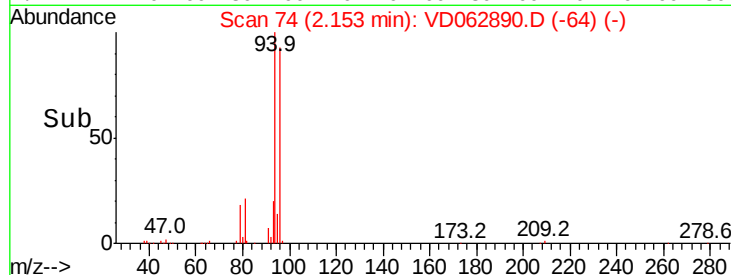
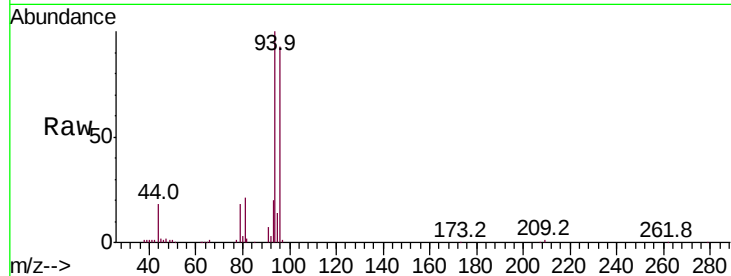
ClientSampleId :

VSTDCCC050EC

Tot Ion:	94	Resp:	172341
Ion	Ratio	Lower	Upper
94	100		
96	93.4	73.4	110.2
93	20.1	18.2	27.4

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#6

Chloroethane

Concen: 50.100 ug/l

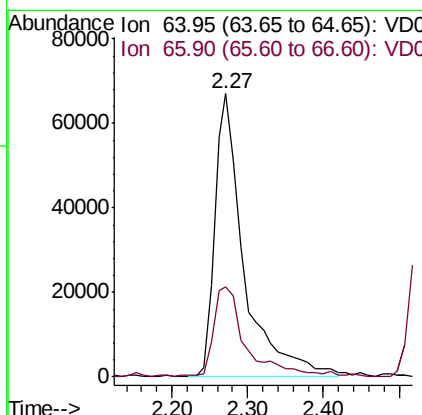
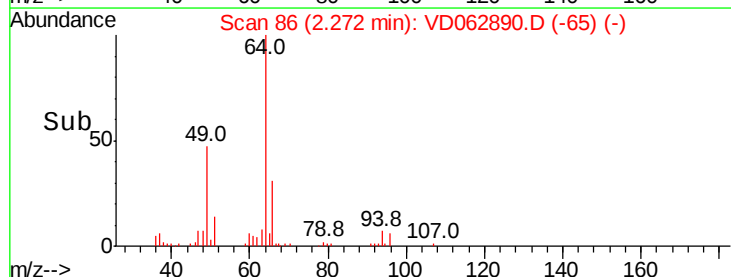
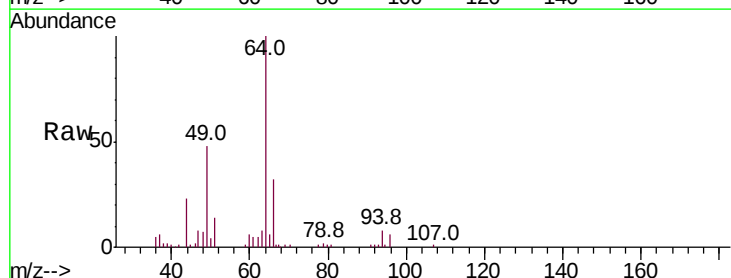
RT: 2.27 min Scan# 86

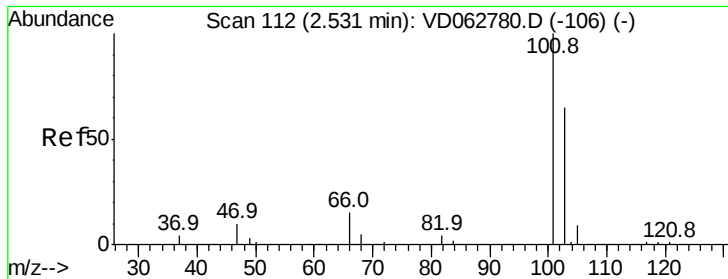
Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Tgt Ion:	64	Resp:	181191
Ion	Ratio	Lower	Upper
64	100		
66	31.6	23.0	34.4





#7

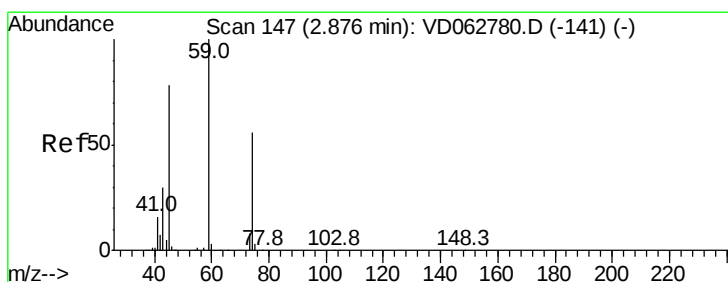
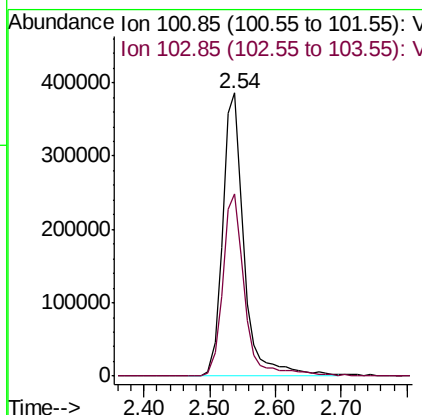
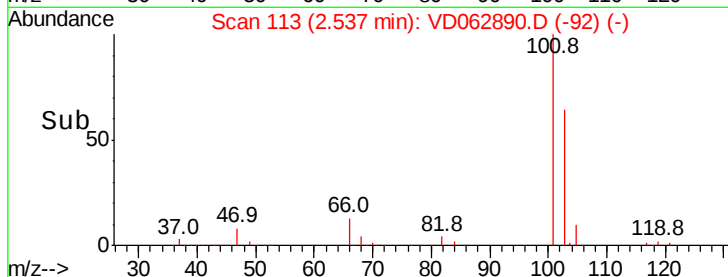
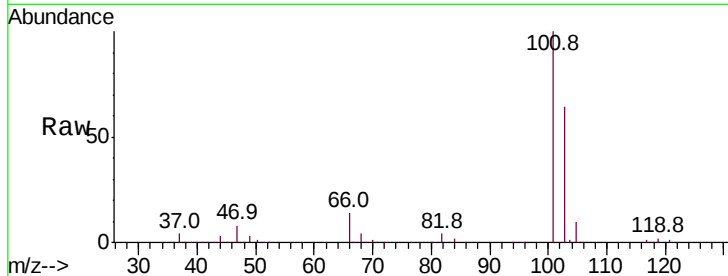
Trichlorofluoromethane
Concen: 54.310 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.01 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

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ClientSampleId :
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Tot Ion:101 Resp: 878008
Ion Ratio Lower Upper
101 100
103 64.2 51.8 77.8

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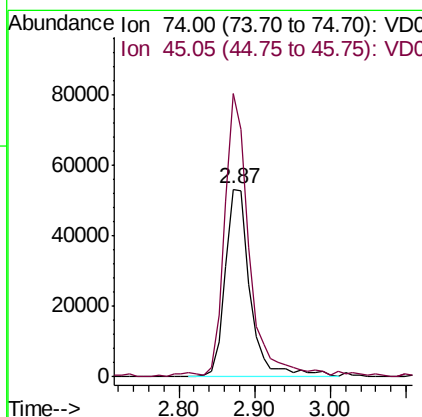
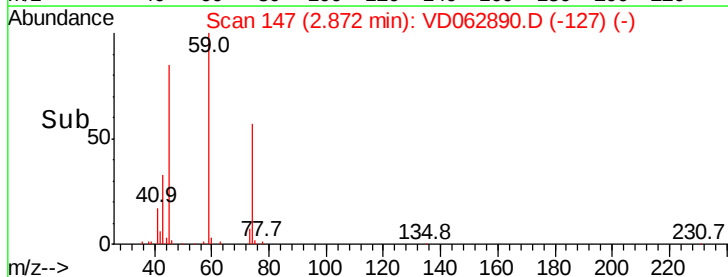
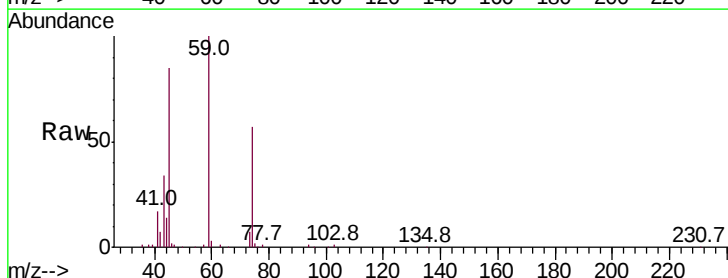
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6/27/2019 12:44:50 AM

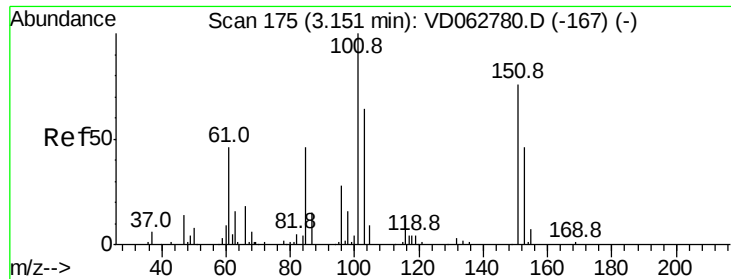


#8

Diethyl Ether
Concen: 59.333 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion: 74 Resp: 121876
Ion Ratio Lower Upper
74 100
45 150.7 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.180 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

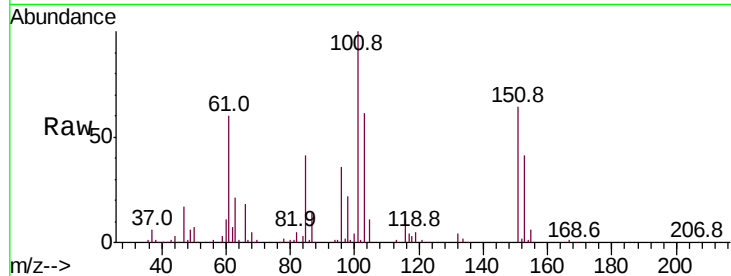
ClientSampleId :

VSTDCCC050EC

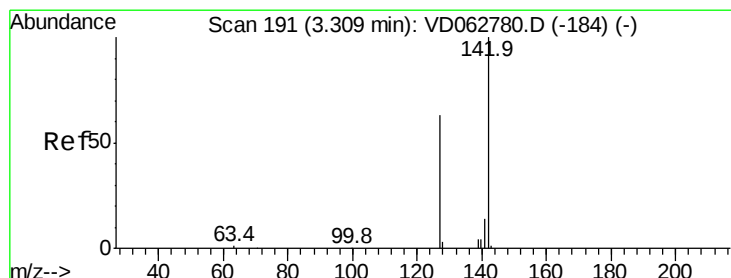
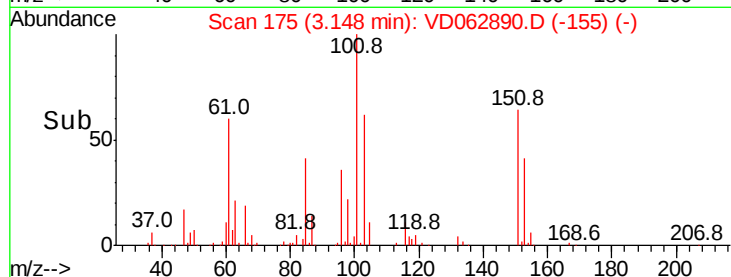
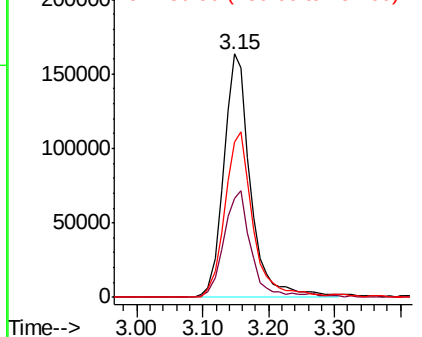
Tot Ion:	101	Resp:	465768
Ion Ratio	Lower	Upper	
101	100		
85	40.8	37.0	55.4
151	63.8	60.5	90.7

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Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 50.541 ug/l

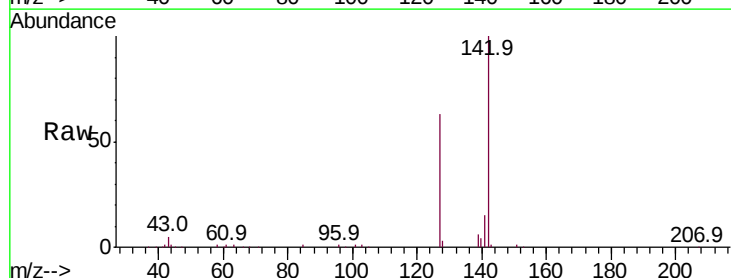
RT: 3.31 min Scan# 191

Delta R.T. -0.00 min

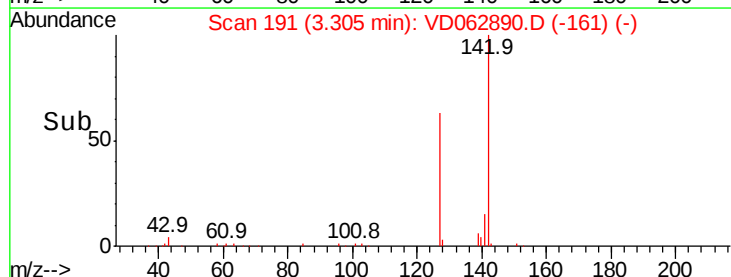
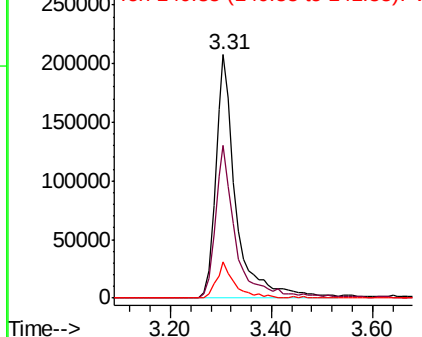
Lab File: VD062890.D

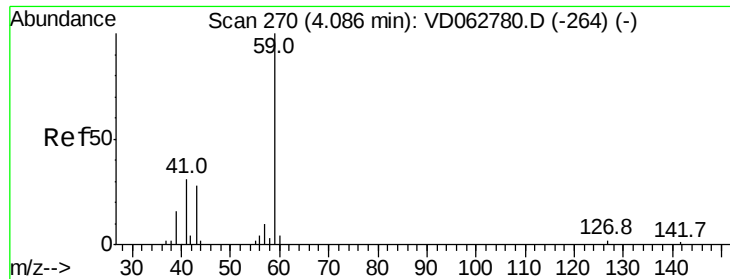
Acq: 25 Jun 2019 20:14

Tgt Ion:	142	Resp:	583989
Ion Ratio	Lower	Upper	
142	100		
127	62.6	50.1	75.1
141	15.1	11.0	16.4



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





#11

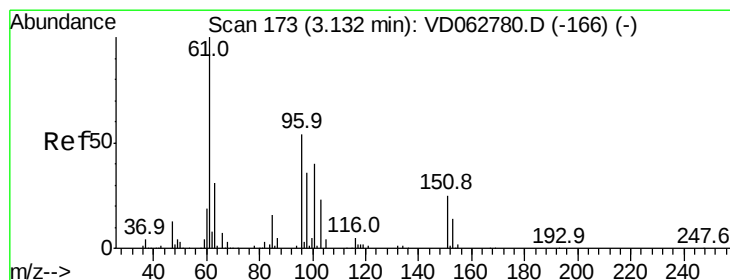
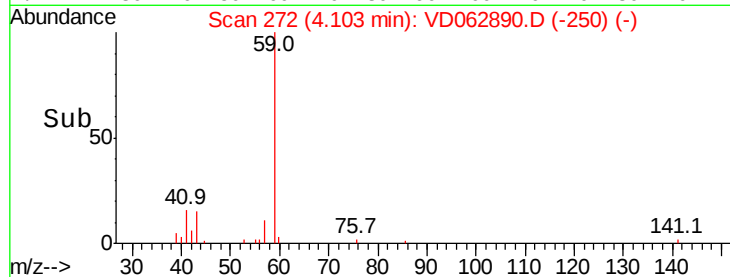
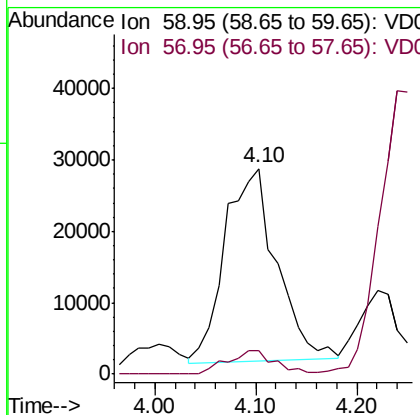
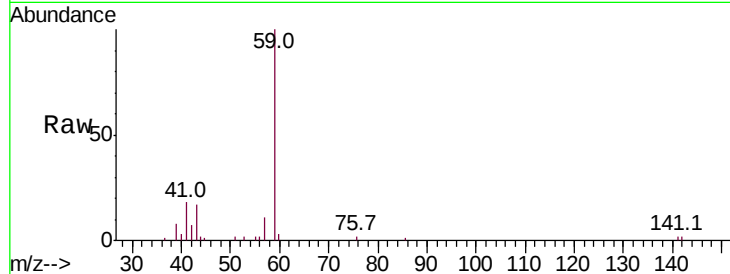
Tert butyl alcohol
Concen: 236.482 ug/l
RT: 4.10 min Scan# 272
Delta R.T. 0.02 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 96921
Ion Ratio Lower Upper
59 100
57 11.5 6.6 10.0#

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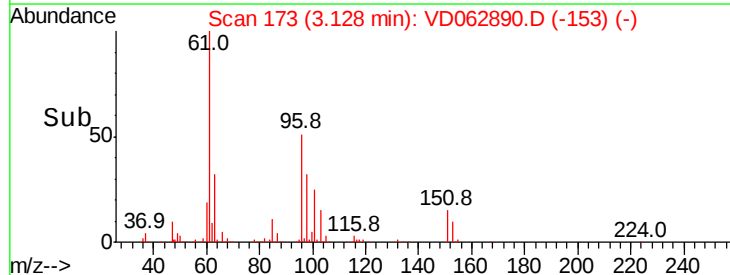
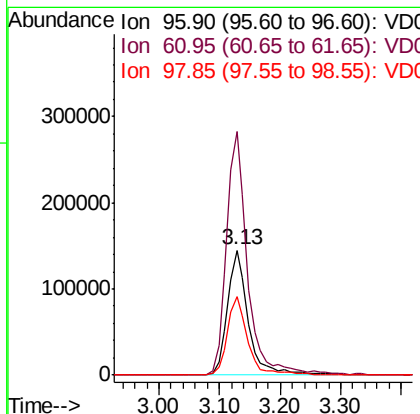
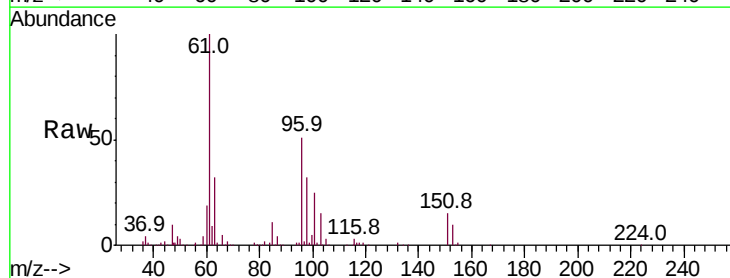
MMDadoda
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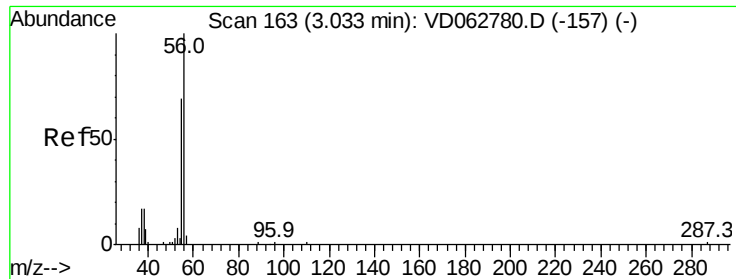


#12

1,1-Dichloroethene
Concen: 52.759 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion: 96 Resp: 346636
Ion Ratio Lower Upper
96 100
61 195.4 147.1 220.7
98 62.7 52.6 79.0





#13

Acrolein

Concen: 195.851 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 81945

Ion Ratio Lower Upper

56 100

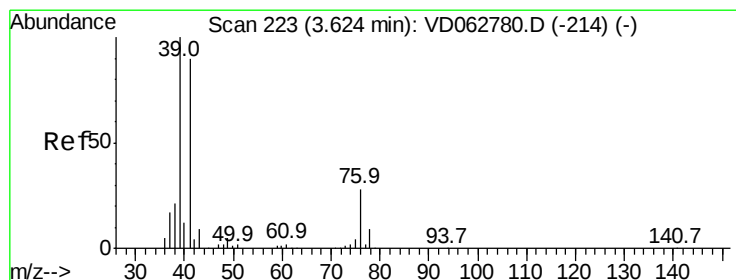
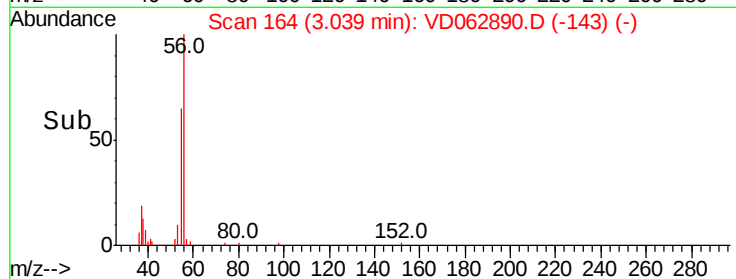
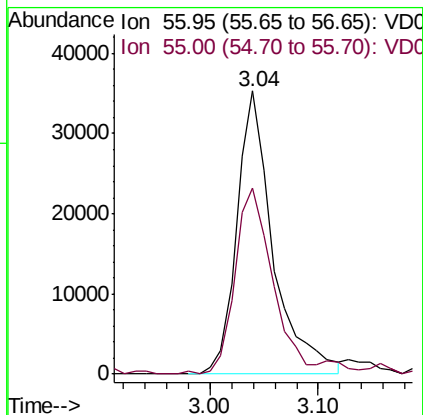
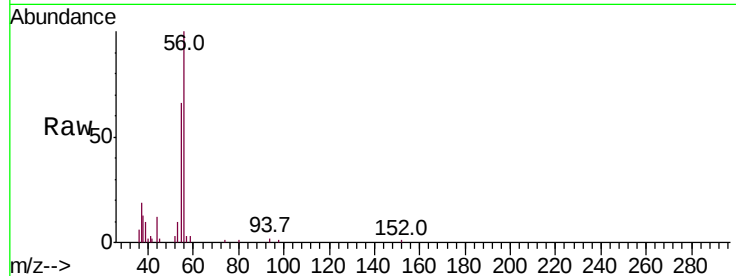
55 65.8 55.4 83.0

Manual Integrations

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#14

Allyl chloride

Concen: 53.056 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

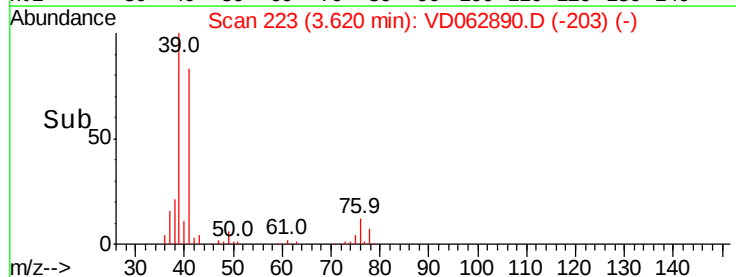
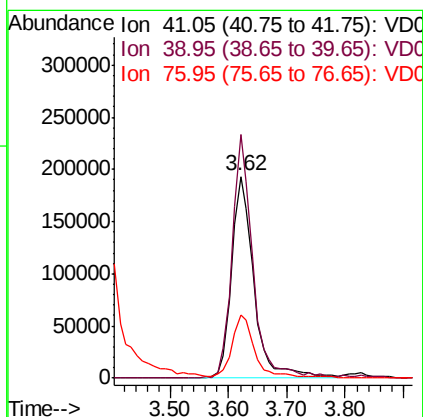
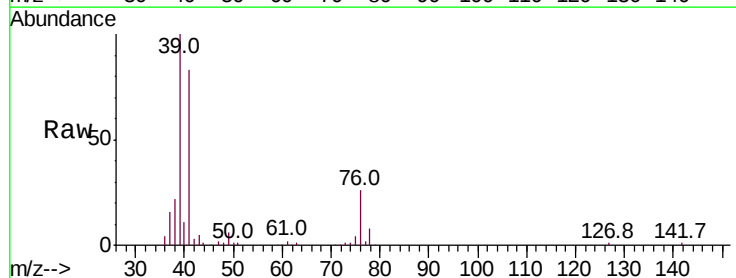
Tgt Ion: 41 Resp: 515072

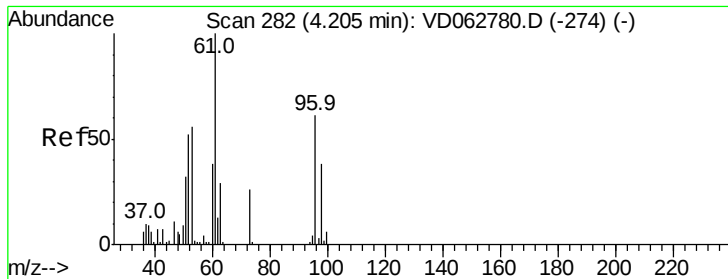
Ion Ratio Lower Upper

41 100

39 120.8 88.8 133.2

76 31.2 26.7 40.1





#15

Acrylonitrile

Concen: 280.557 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

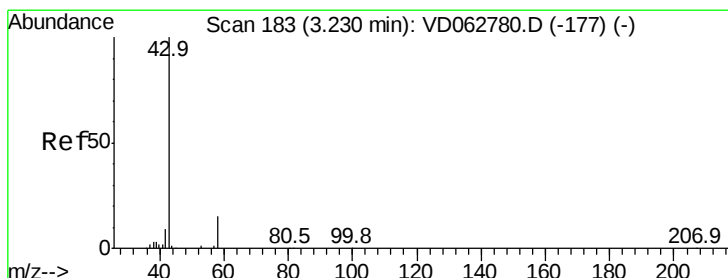
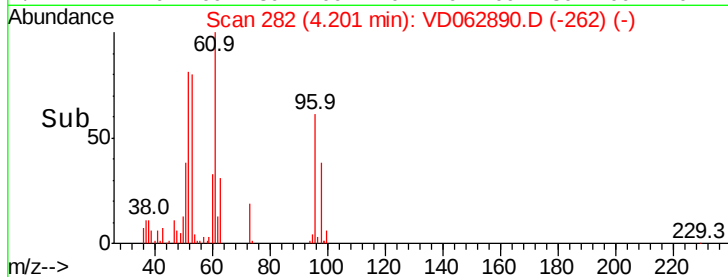
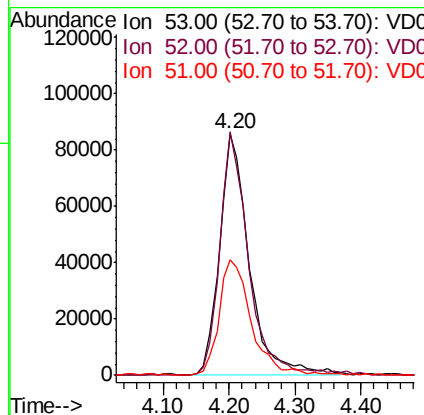
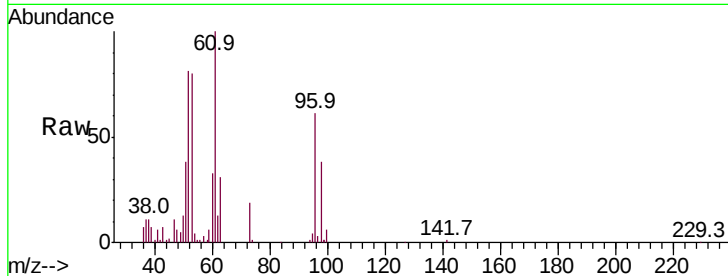
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	270184
Ion	Ratio	Lower	Upper
53	100		
52	100.8	73.3	109.9
51	47.9	44.8	67.2

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#16

Acetone

Concen: 272.588 ug/l

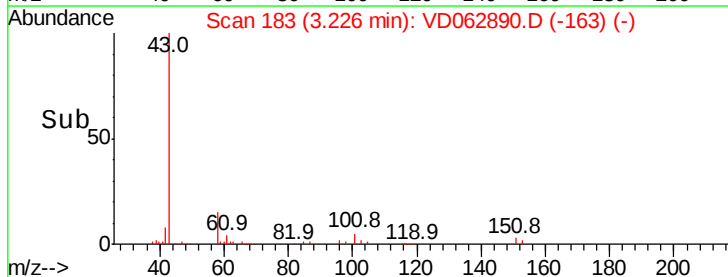
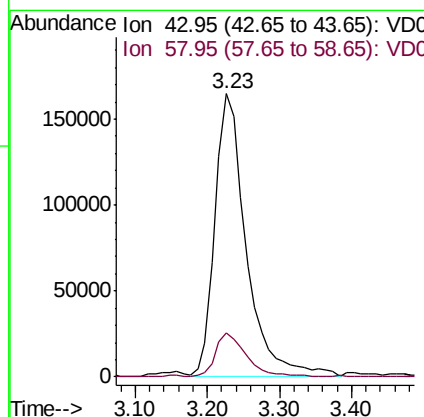
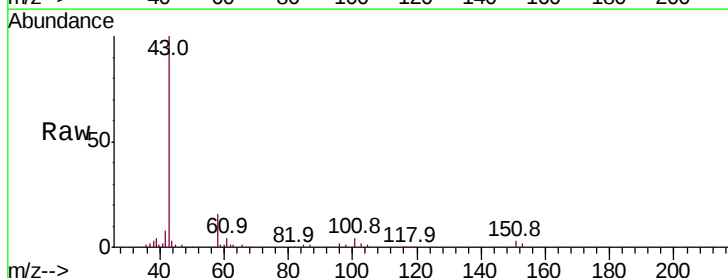
RT: 3.23 min Scan# 183

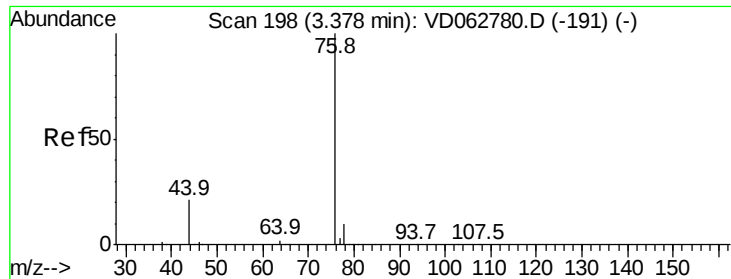
Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Tgt Ion:	43	Resp:	496285
Ion	Ratio	Lower	Upper
43	100		
58	15.7	11.9	17.9





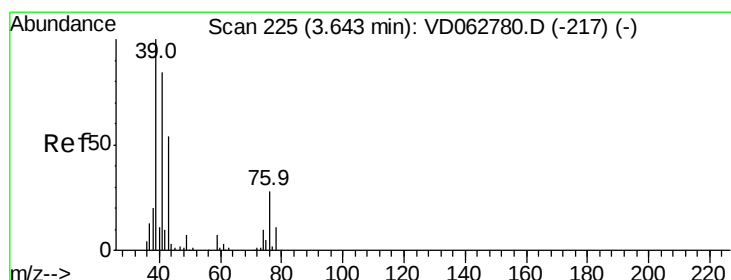
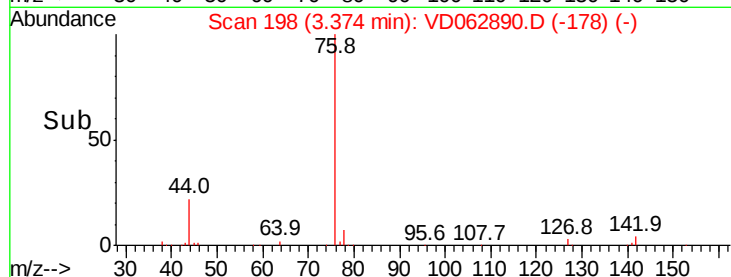
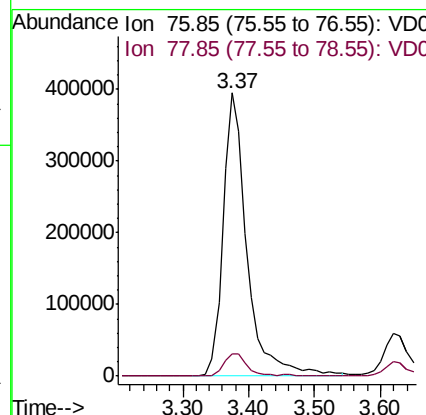
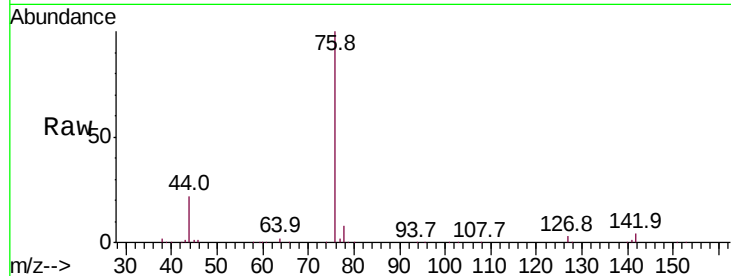
#17
Carbon Disulfide
Concen: 47.472 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 996819
Ion Ratio Lower Upper
76 100
78 8.0 8.0 12.0#

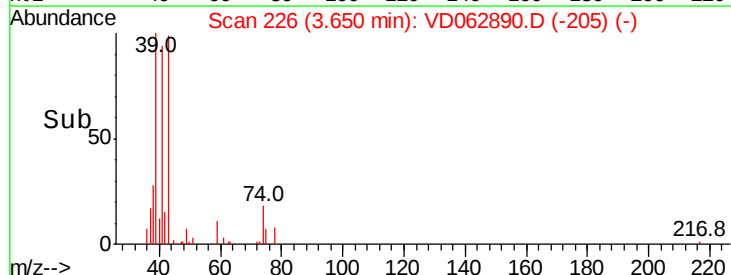
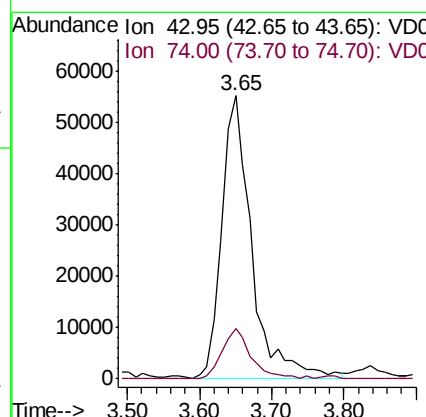
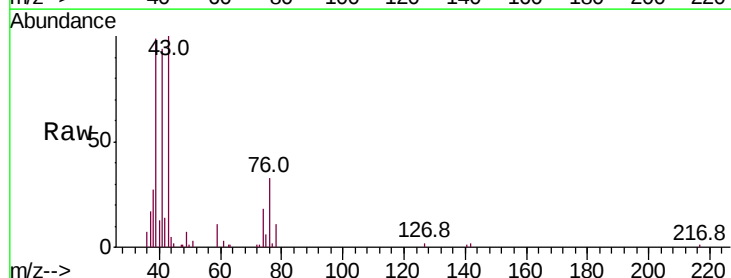
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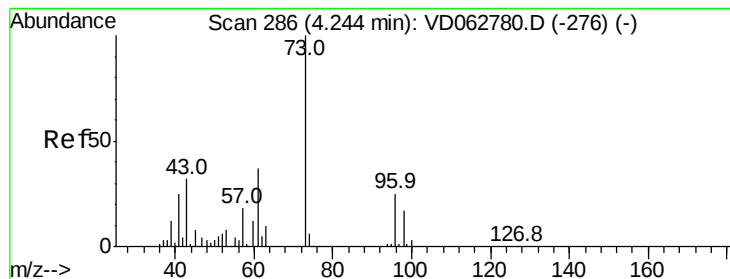
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#18
Methyl Acetate
Concen: 58.666 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion: 43 Resp: 159366
Ion Ratio Lower Upper
43 100
74 18.0 15.2 22.8





#19

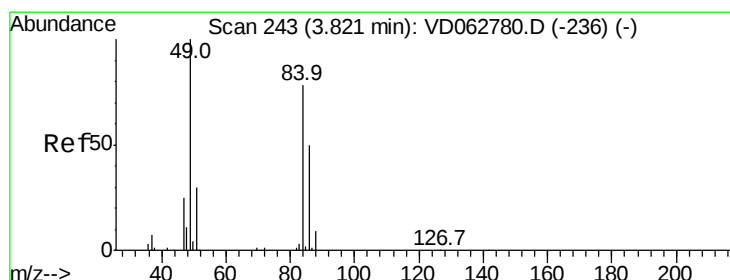
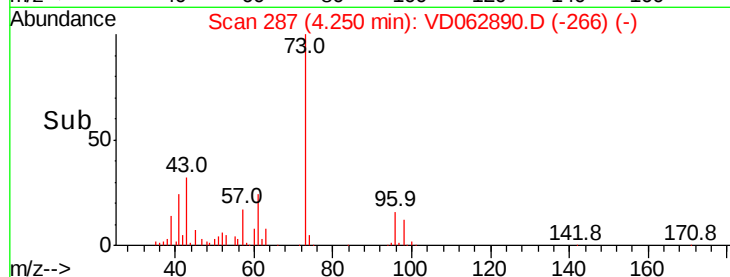
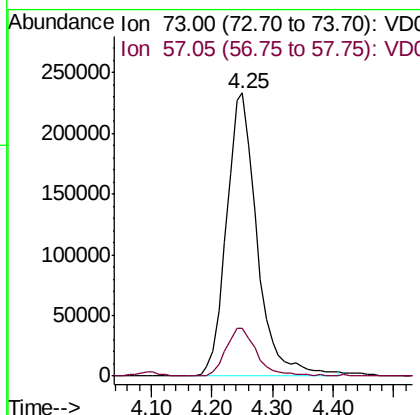
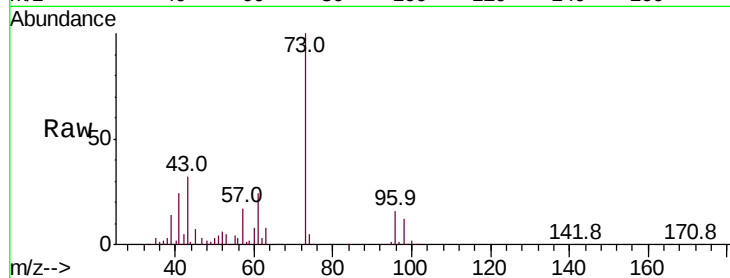
Methyl tert-butyl Ether
 Concen: 57.512 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. 0.01 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.0	14.3	21.5

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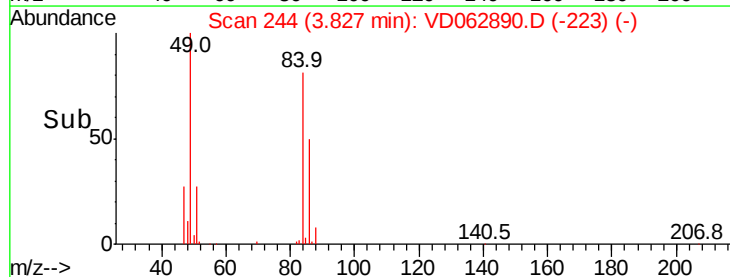
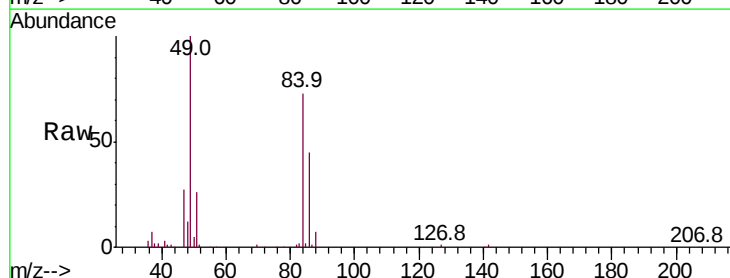
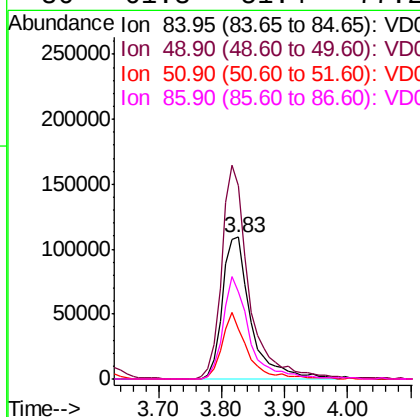
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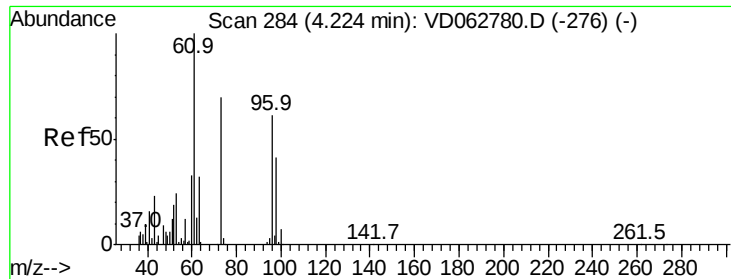


#20

Methylene Chloride
 Concen: 49.872 ug/l
 RT: 3.83 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.3	102.9	154.3
51	35.6	31.2	46.8
86	61.3	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 52.568 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 367758

Ion Ratio Lower Upper

96 100

61 164.6 131.0 196.4

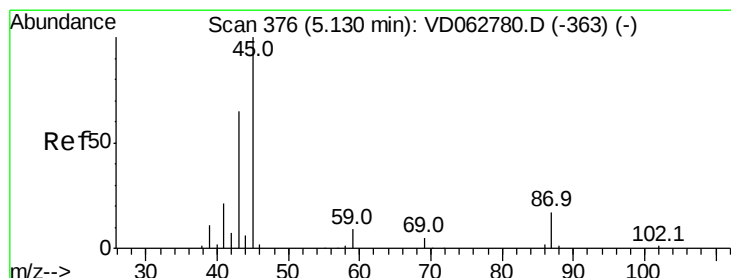
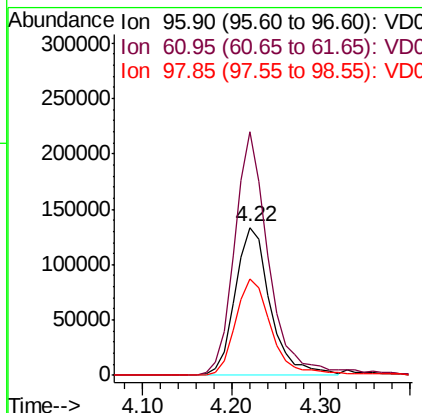
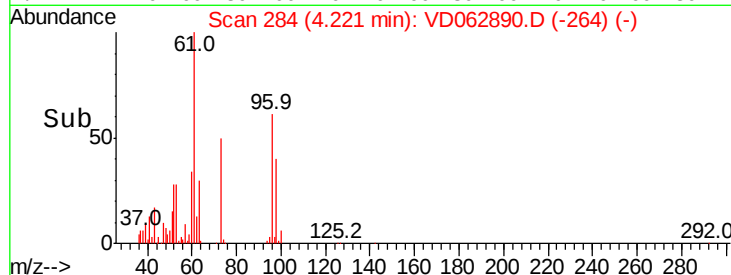
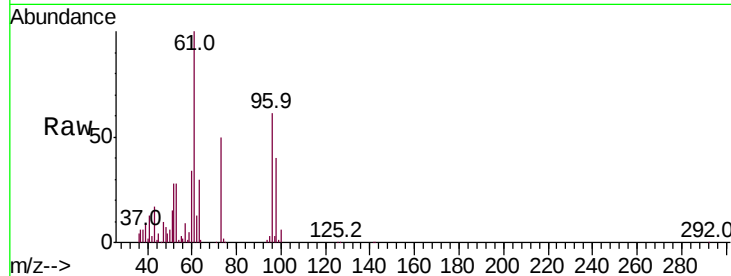
98 65.2 53.2 79.8

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#22

Diisopropyl ether

Concen: 53.860 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Tgt Ion: 45 Resp: 1063368

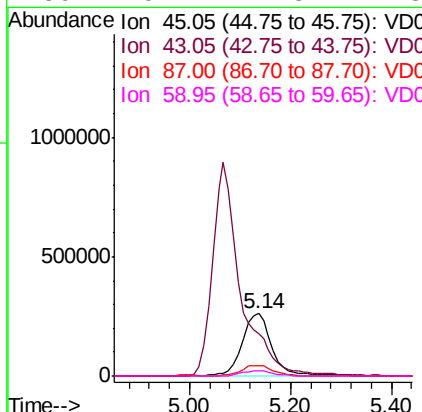
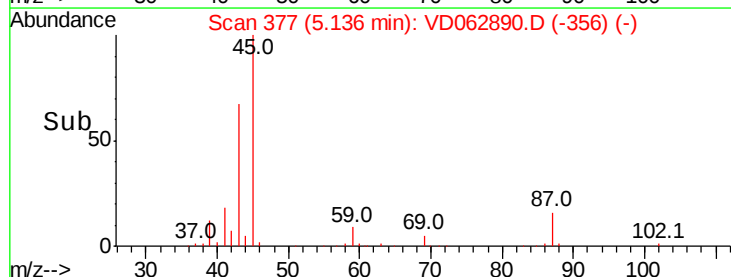
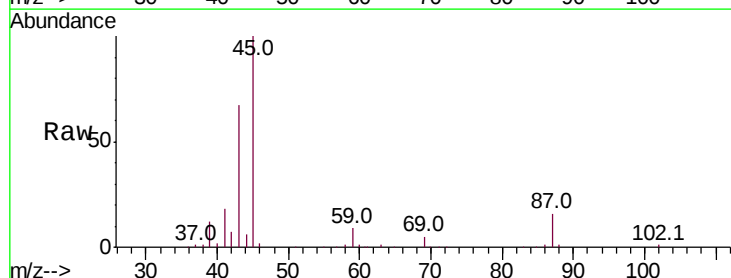
Ion Ratio Lower Upper

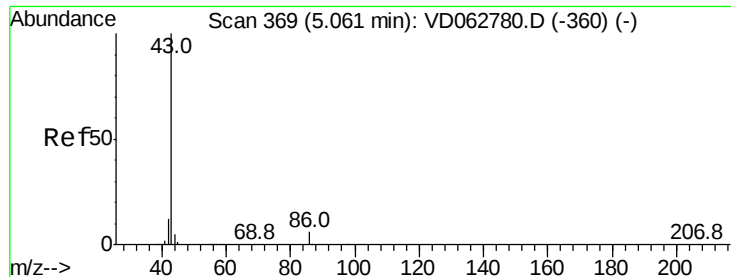
45 100

43 66.7 53.4 80.0

87 16.3 14.6 22.0

59 9.1 7.8 11.8





#23

Vinyl Acetate

Concen: 279.405 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3451798

Ion Ratio Lower Upper

43 100

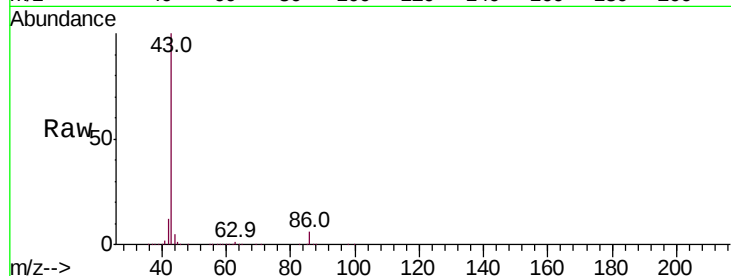
86 6.1 4.7 7.1

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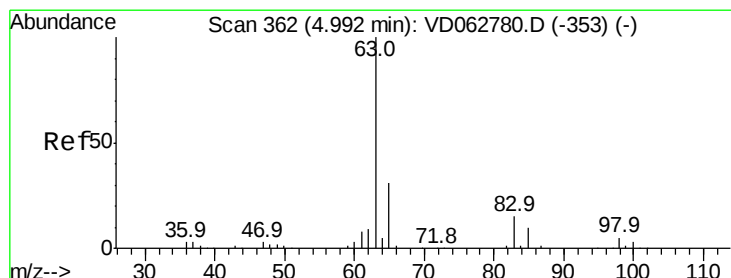
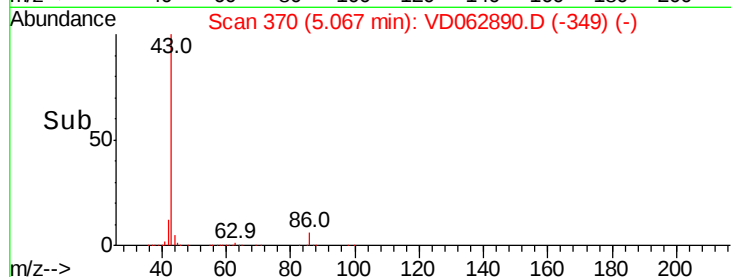
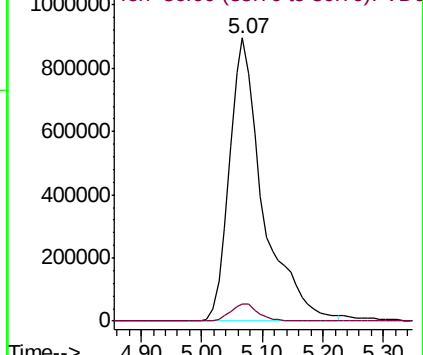
MMDadoda

6/27/2019 12:44:50 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.541 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

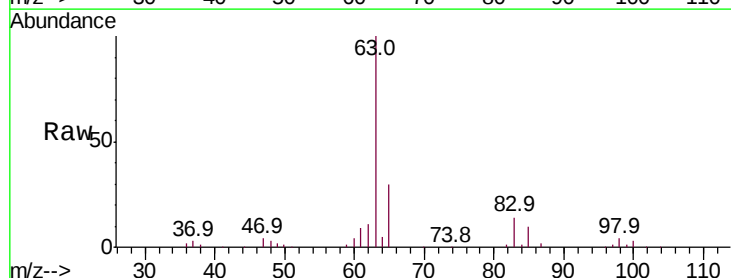
Tgt Ion: 63 Resp: 662520

Ion Ratio Lower Upper

63 100

98 4.1 2.3 6.9

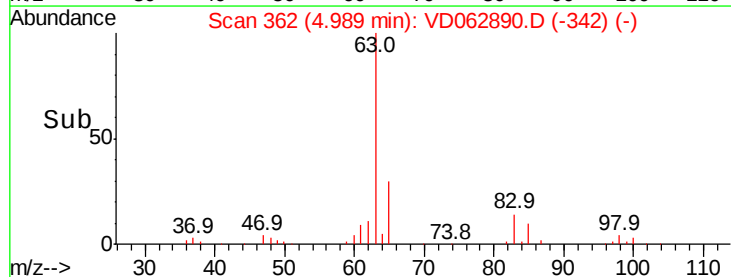
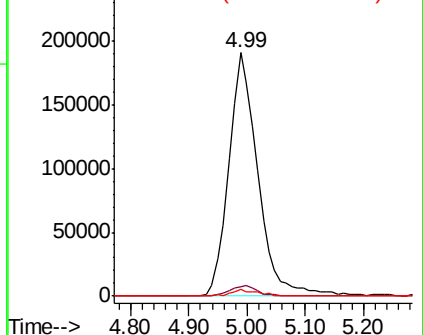
100 2.8 1.7 5.1

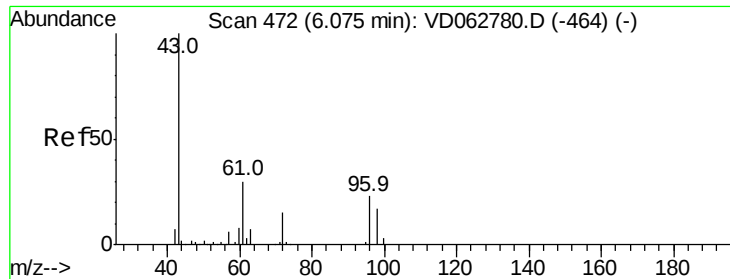


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 293.800 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 494479

Ion Ratio Lower Upper

43 100

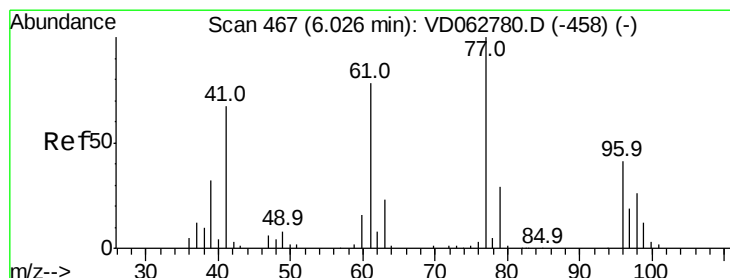
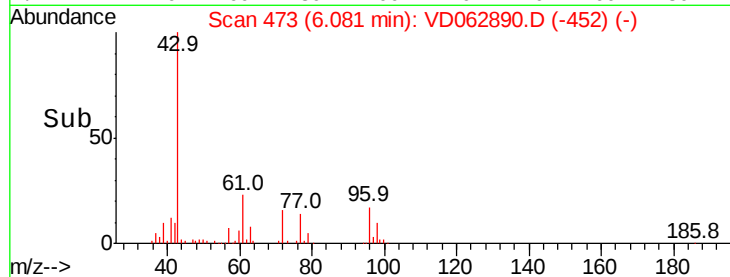
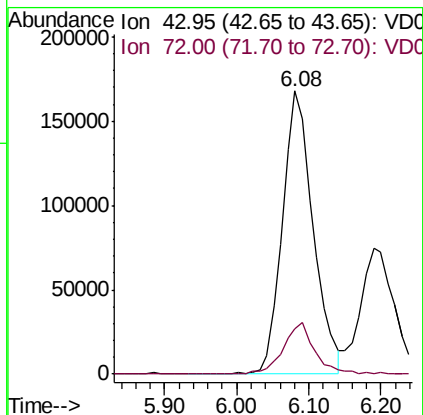
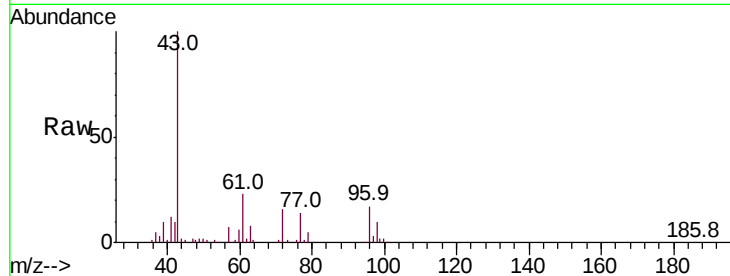
72 16.2 11.9 17.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.559 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD062890.D

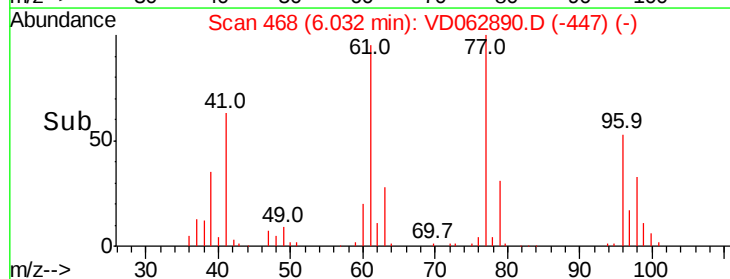
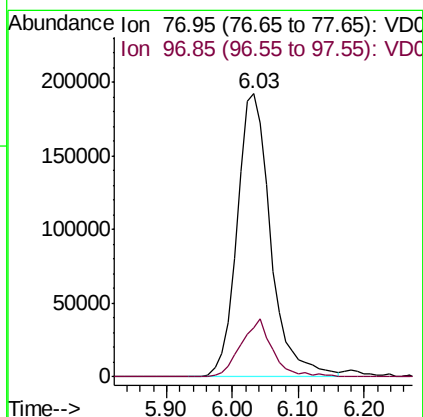
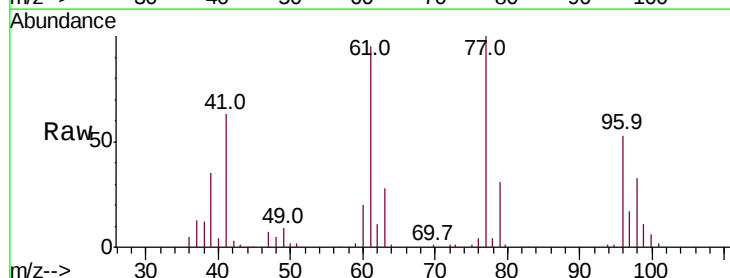
Acq: 25 Jun 2019 20:14

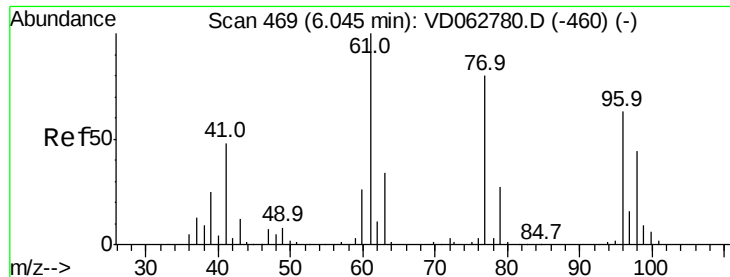
Tgt Ion: 77 Resp: 688863

Ion Ratio Lower Upper

77 100

97 17.2 9.5 28.5





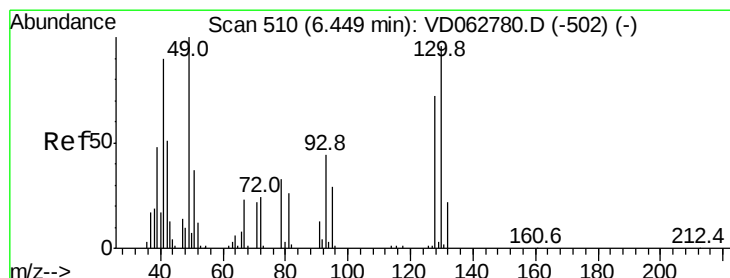
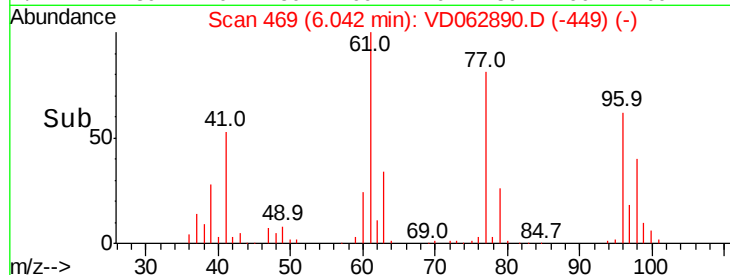
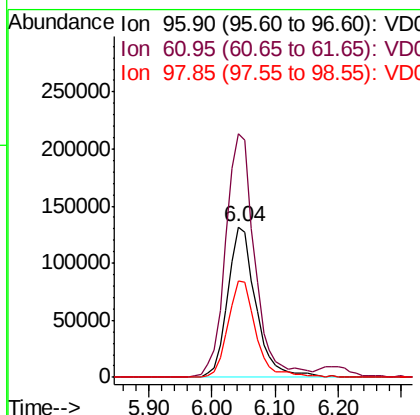
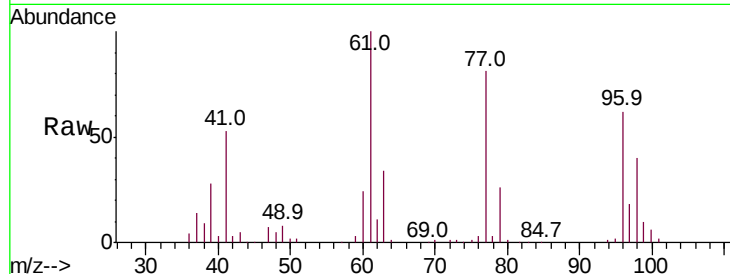
#27
 cis-1,2-Dichloroethene
 Concen: 54.965 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	406630		
61	161.9	0.0	316.0	
98	64.5	0.0	138.4	

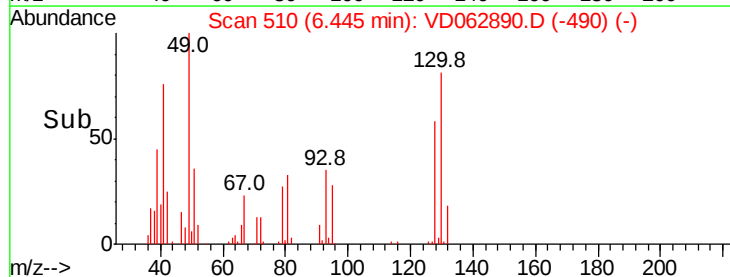
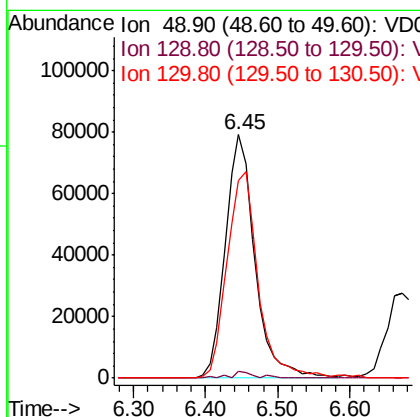
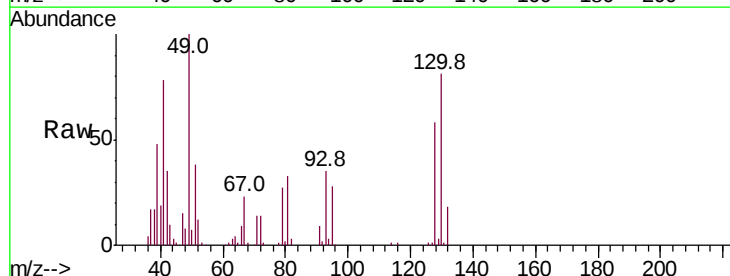
Manual Integrations
 APPROVED

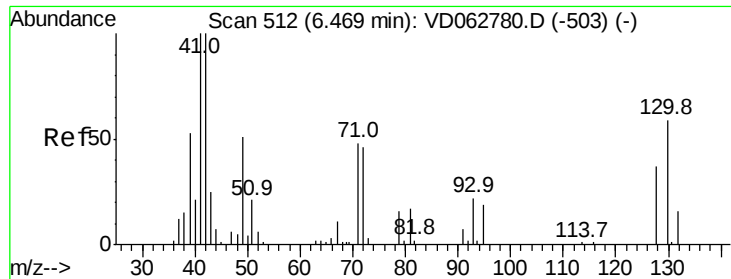
MMDadoda
 6/27/2019 12:44:50 AM



#28
 Bromochloromethane
 Concen: 49.989 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	226316		
129	3.0	0.0	5.6	
130	81.0	76.6	114.8	





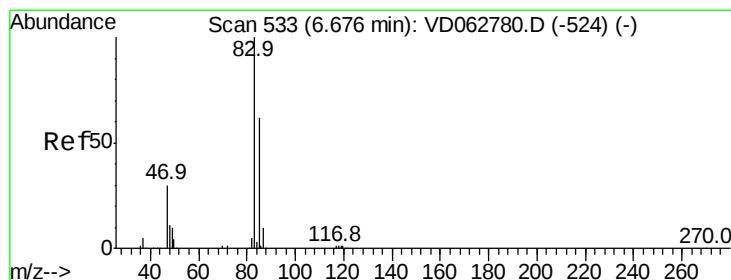
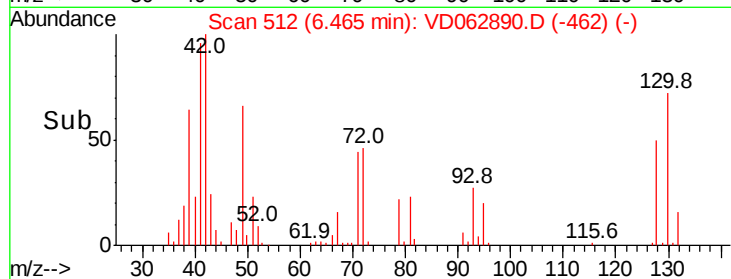
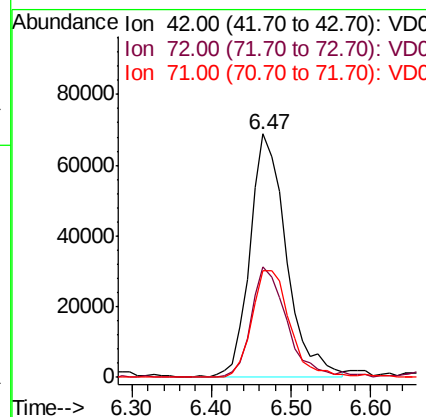
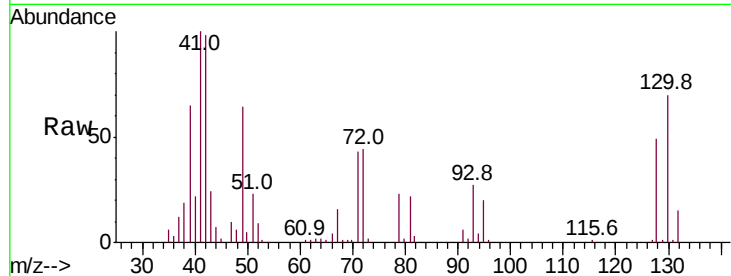
#29
Tetrahydrofuran
Concen: 272.305 ug/l
RT: 6.47 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	216840
Ion Ratio	Lower	Upper	
42	100		
72	44.7	35.0	52.6
71	45.8	33.3	49.9

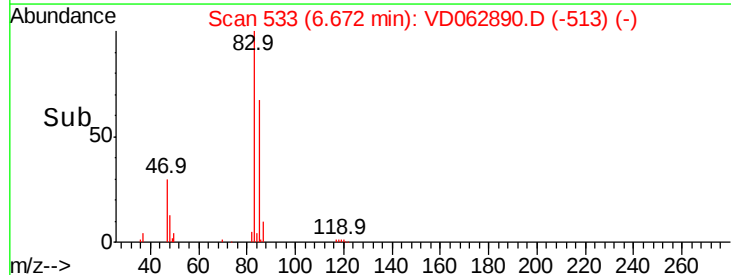
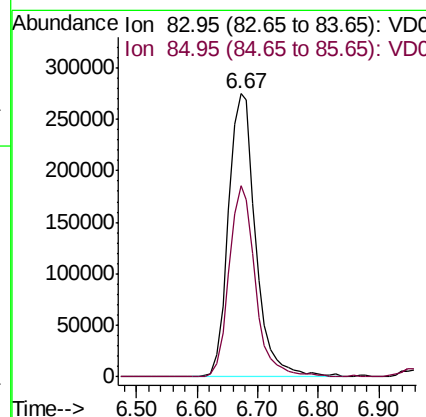
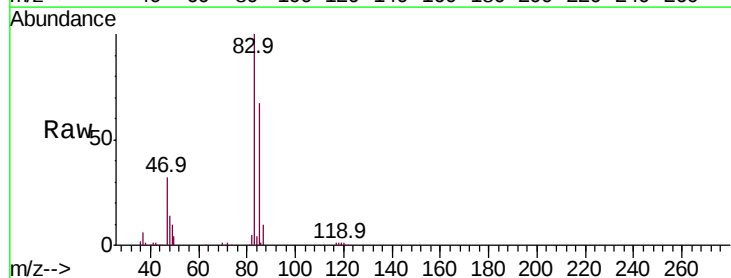
Manual Integrations
APPROVED

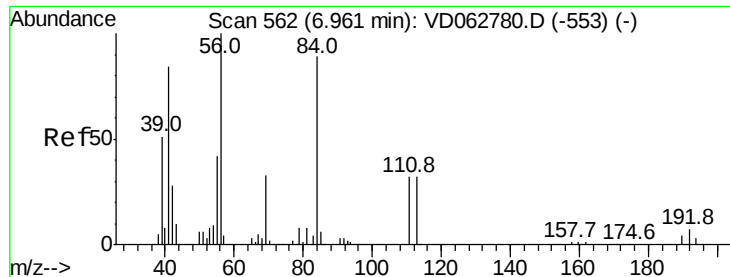
MMDadoda
6/27/2019 12:44:50 AM



#30
Chloroform
Concen: 54.915 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion:	83	Resp:	858474
Ion Ratio	Lower	Upper	
83	100		
85	67.4	49.8	74.6





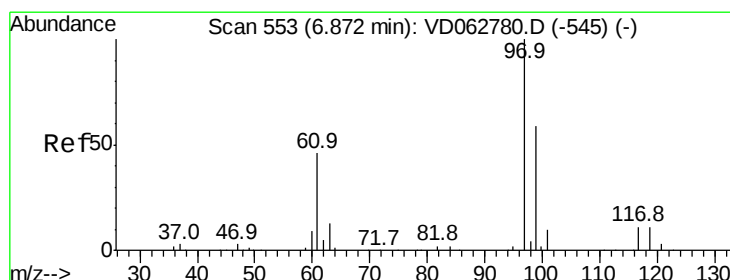
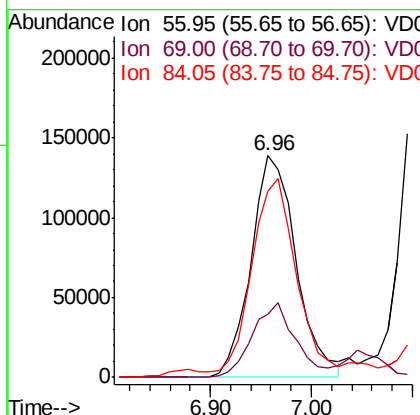
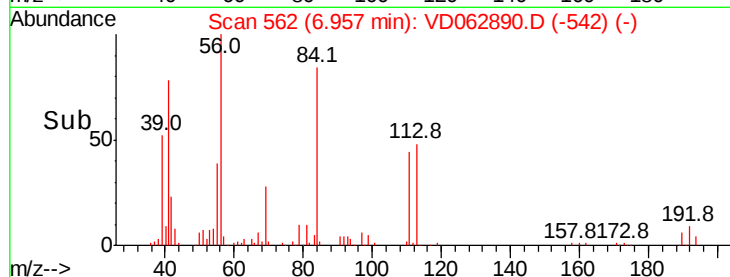
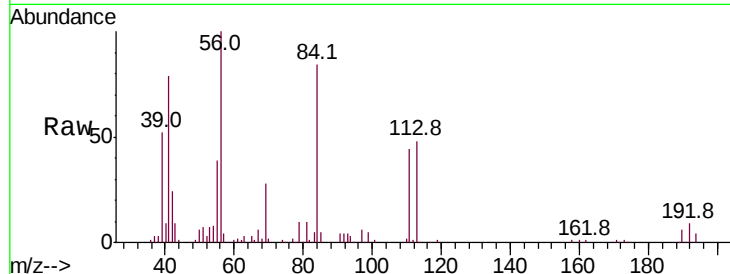
#31
Cvclohexane
Concen: 51.108 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.5	26.6	39.8
84	83.8	75.5	113.3

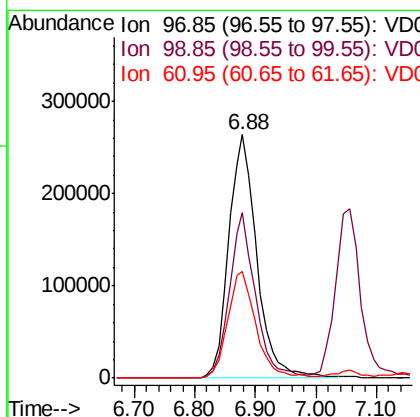
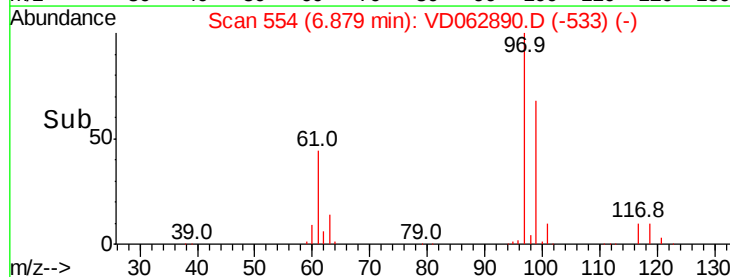
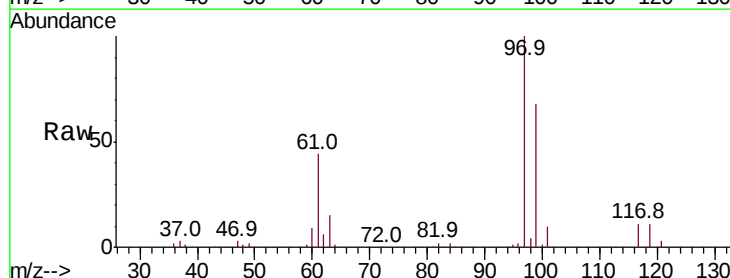
Manual Integrations
APPROVED

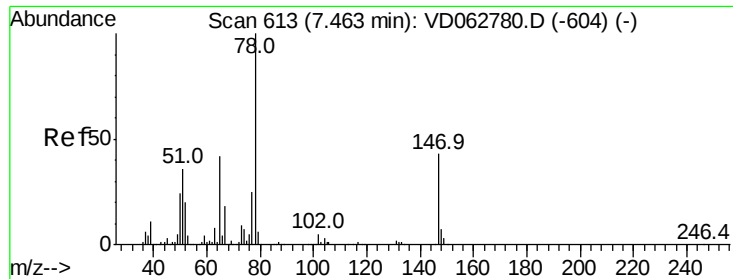
MMDadoda
6/27/2019 12:44:50 AM



#32
1,1,1-Trichloroethane
Concen: 52.094 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.3	47.4	71.2
61	44.0	37.2	55.8





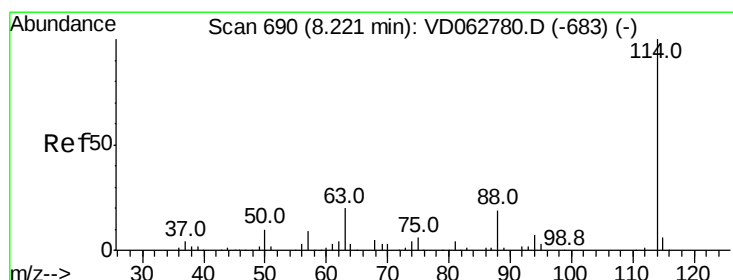
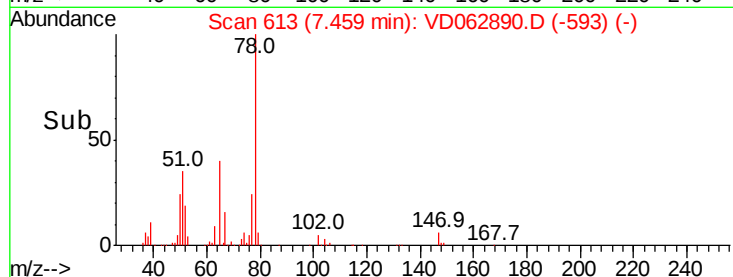
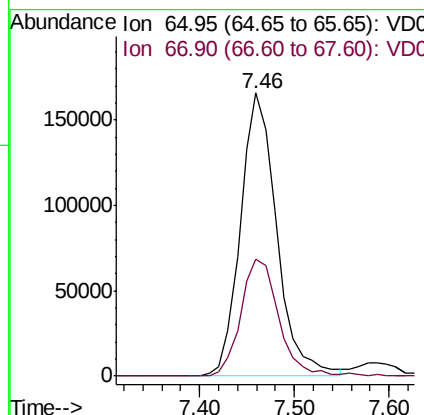
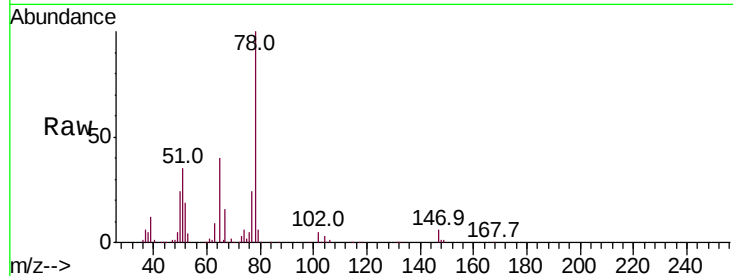
#33
 1,2-Dichloroethane-d4
 Concen: 48.943 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	41.2	0.0	87.4

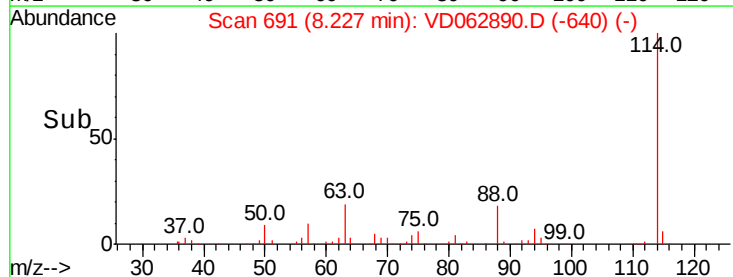
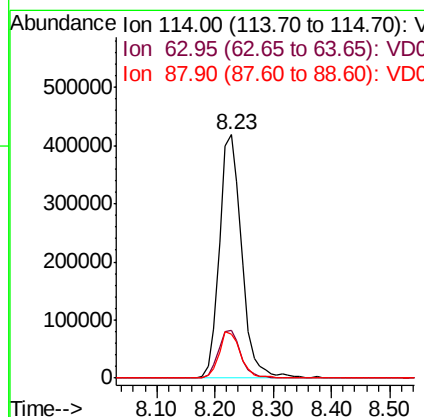
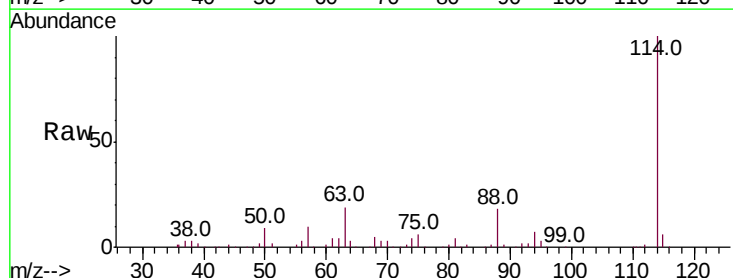
Manual Integrations
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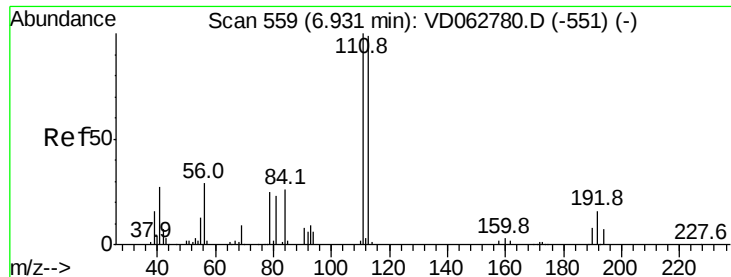
MMDadoda
 6/27/2019 12:44:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	40.0
88	17.9	0.0	38.8





#35

Dibromofluoromethane

Concen: 46.375 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

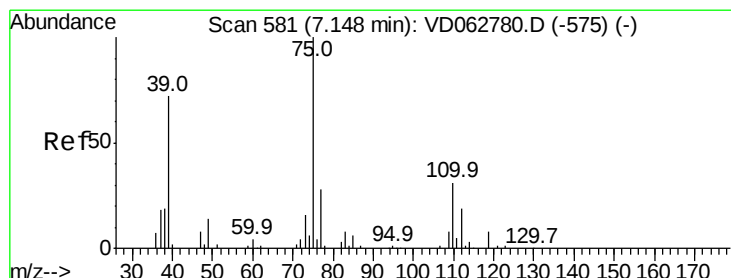
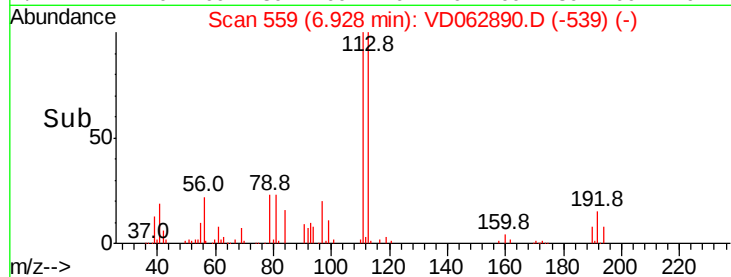
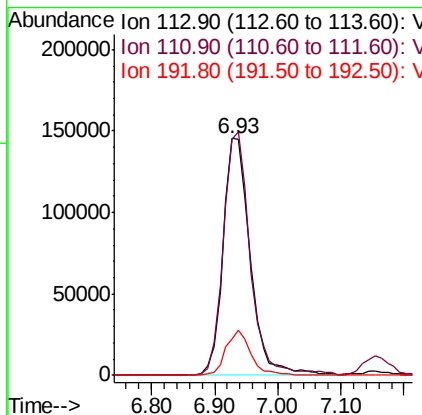
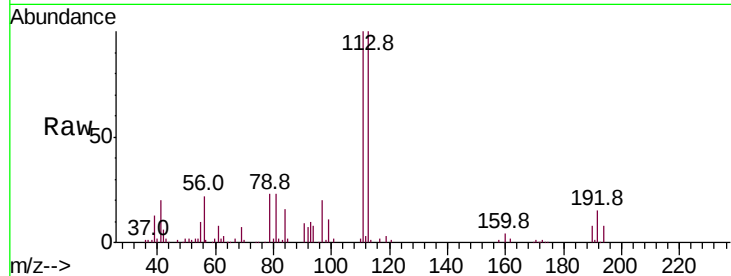
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	435158
Ion Ratio	Lower	Upper	
113	100		
111	99.7	81.2	121.8
192	15.1	12.9	19.3

Manual Integrations
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MMDadoda
6/27/2019 12:44:50 AM



#36

1,1-Dichloropropene

Concen: 51.613 ug/l

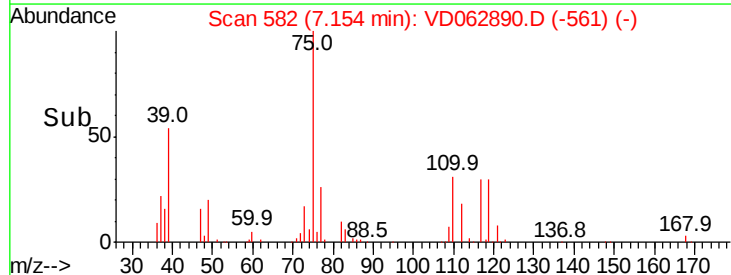
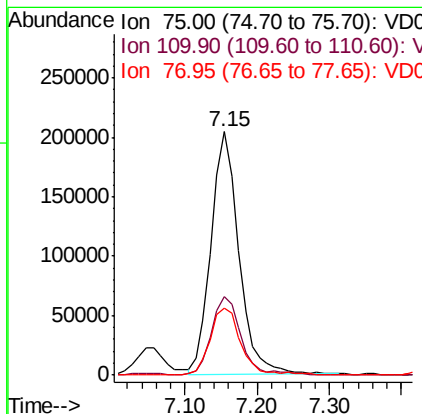
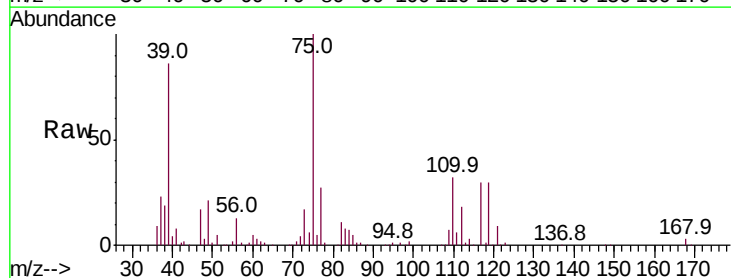
RT: 7.15 min Scan# 582

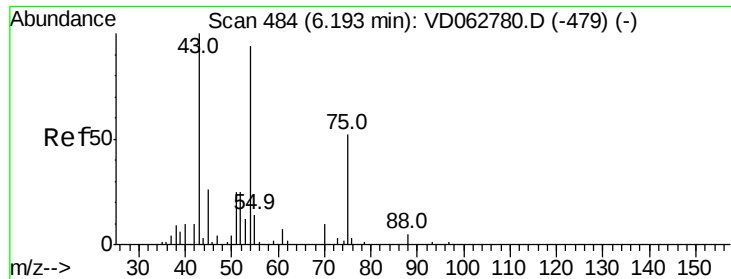
Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Tgt Ion:	75	Resp:	543725
Ion Ratio	Lower	Upper	
75	100		
110	32.1	15.0	45.1
77	27.4	22.2	33.2





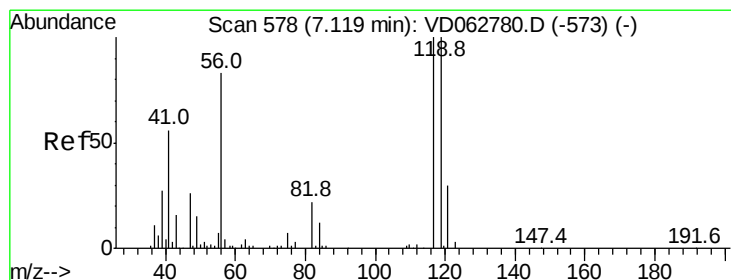
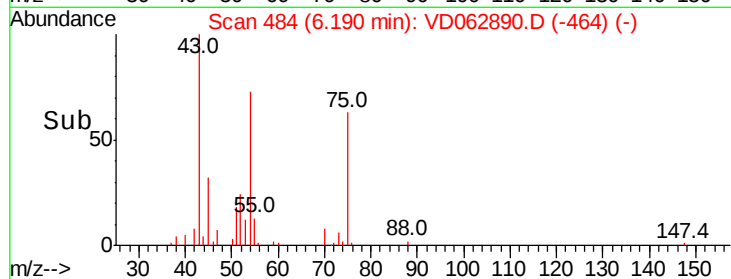
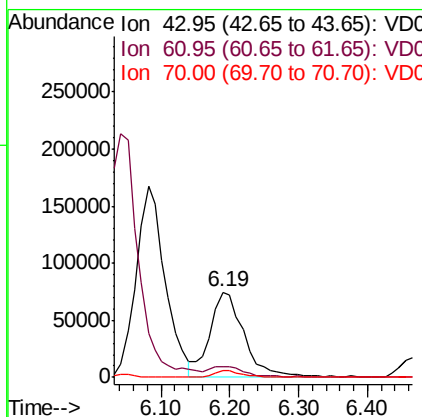
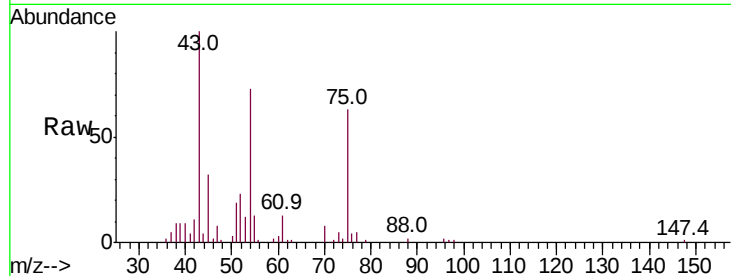
#37
Ethyl Acetate
Concen: 56.732 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	11.6	17.4
70	8.3	6.4	9.6

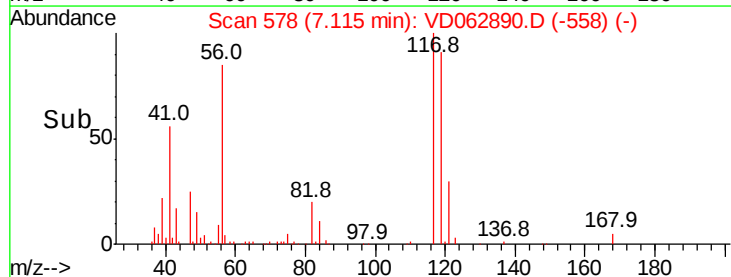
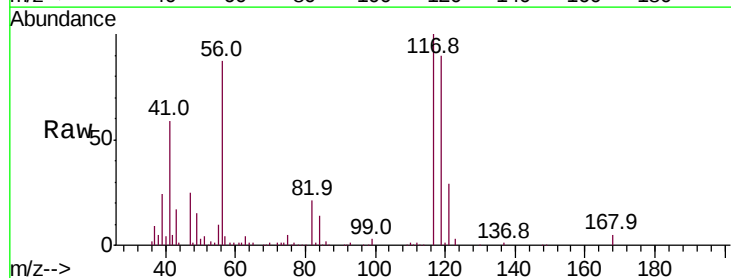
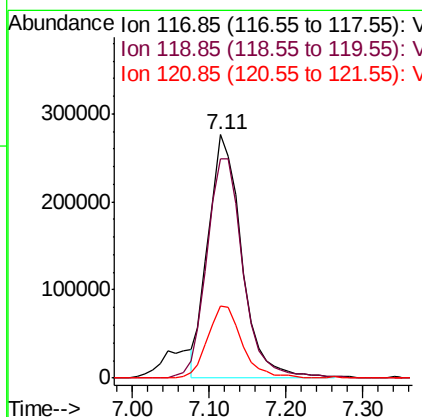
Manual Integrations
APPROVED

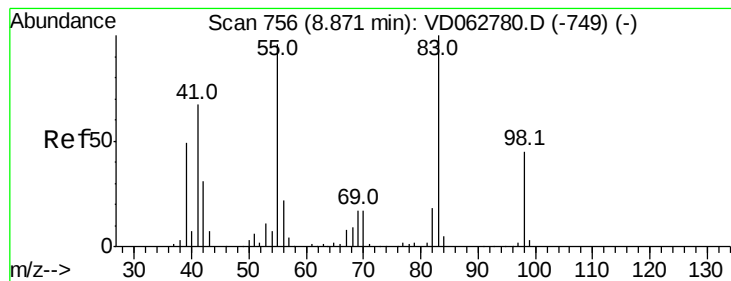
MMDadoda
6/27/2019 12:44:50 AM



#38
Carbon Tetrachloride
Concen: 52.769 ug/l m
RT: 7.11 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.2	75.4	113.2
121	29.5	22.3	33.5





#39

Methylvlcvclohexane

Concen: 52.523 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 487052

Ion Ratio Lower Upper

83 100

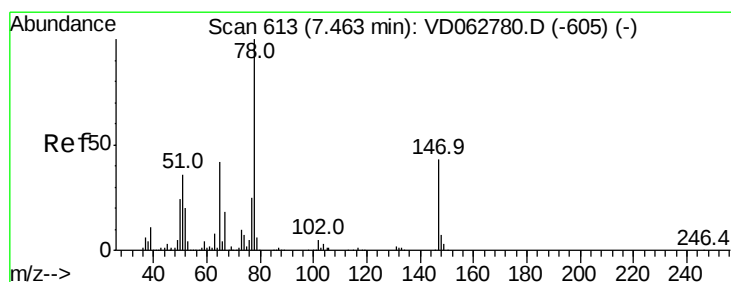
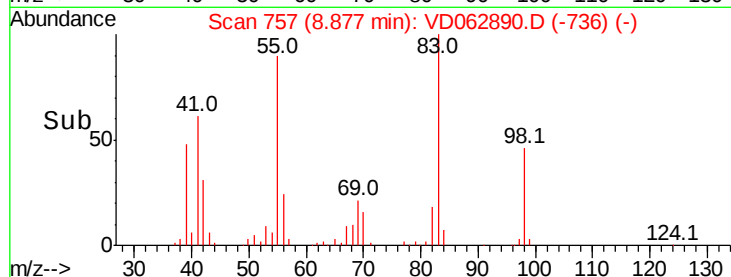
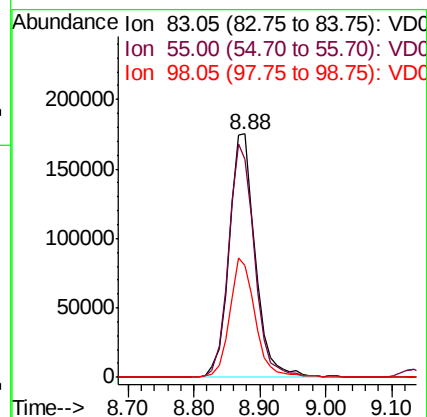
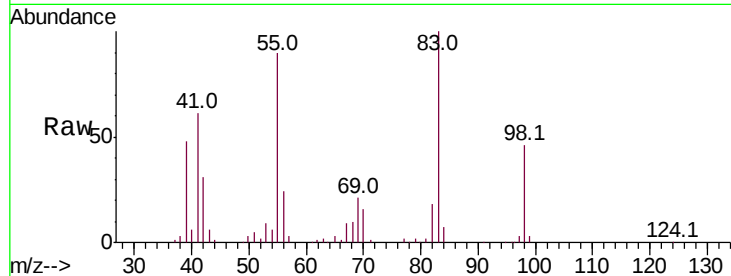
55 89.6 76.6 115.0

98 45.8 35.7 53.5

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#40

Benzene

Concen: 55.938 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062890.D

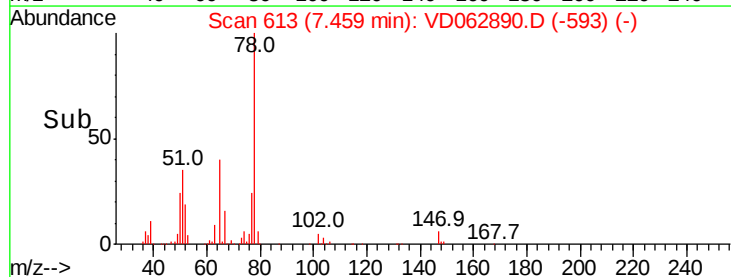
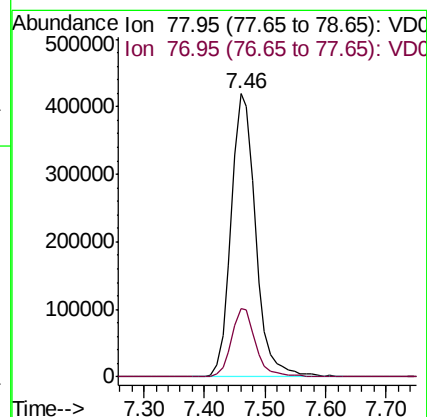
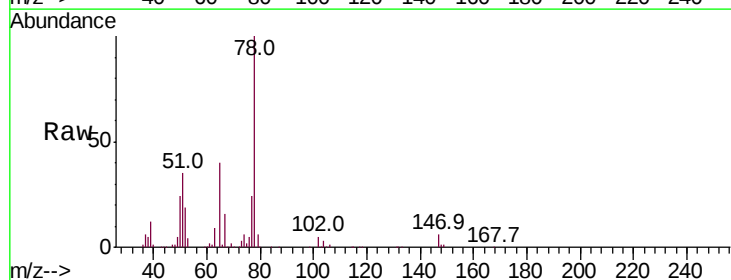
Acq: 25 Jun 2019 20:14

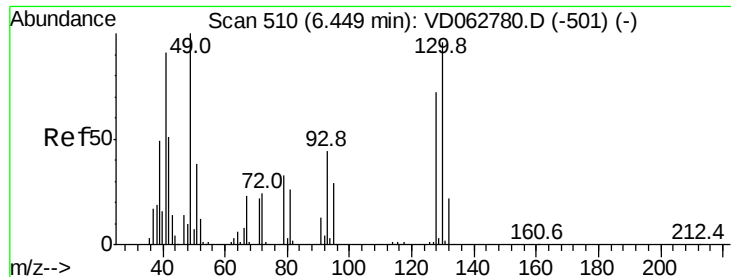
Tgt Ion: 78 Resp: 1182882

Ion Ratio Lower Upper

78 100

77 24.2 20.2 30.2





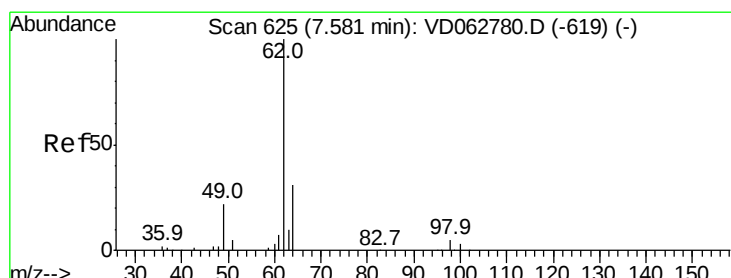
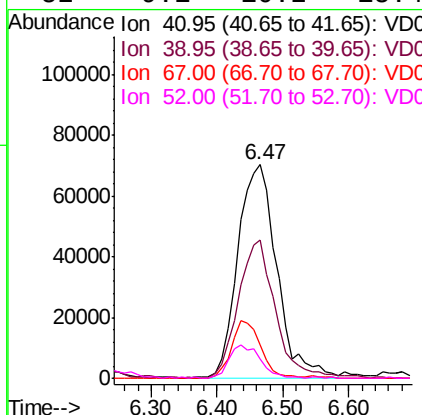
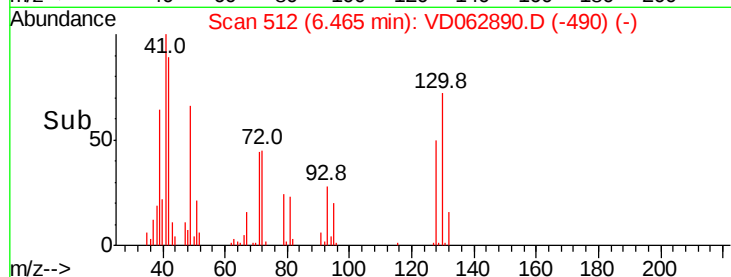
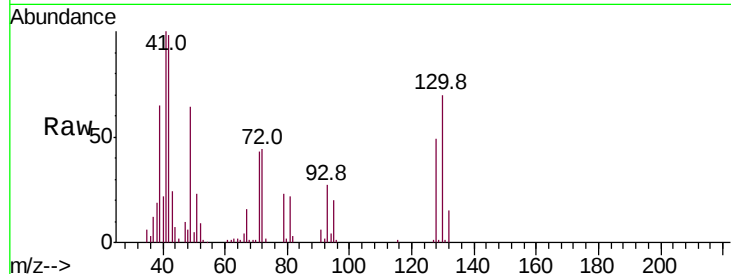
#41
Methacrylonitrile
Concen: 52.722 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.0	43.2	64.8#
67	15.7	19.9	29.9#
52	9.1	10.2	15.4#

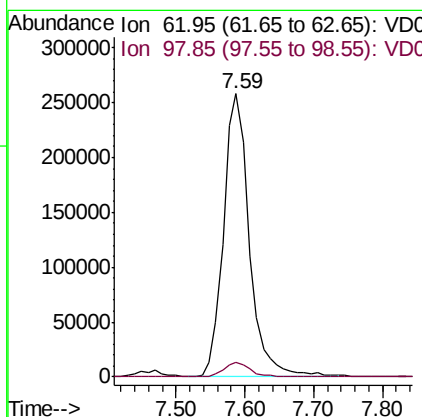
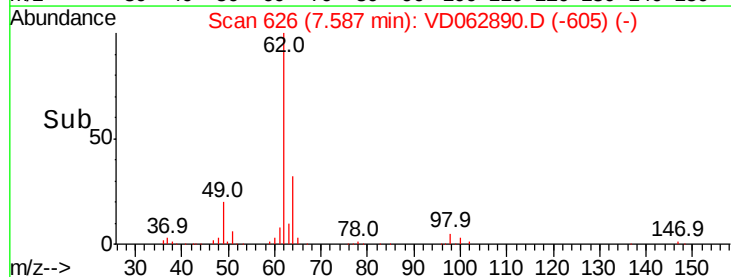
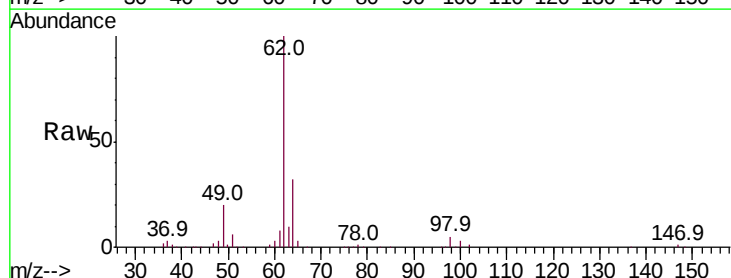
Manual Integrations
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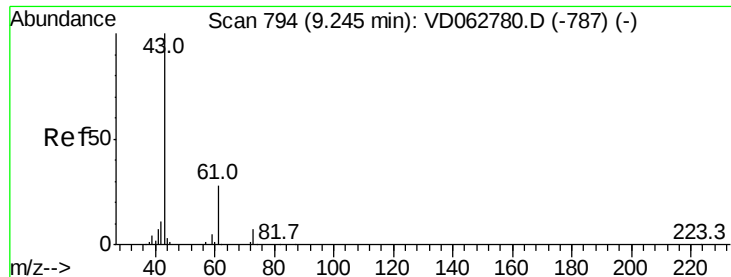
MMDadoda
6/27/2019 12:44:50 AM



#42
1,2-Dichloroethane
Concen: 57.715 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.0	0.0	10.0





#43

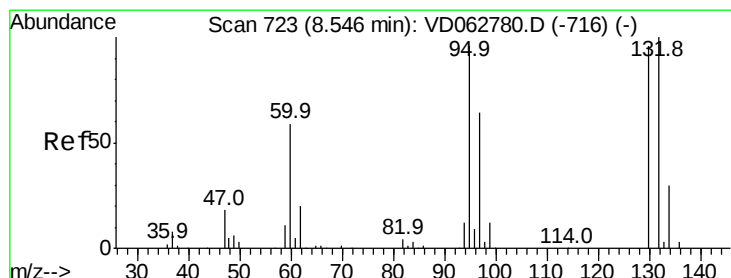
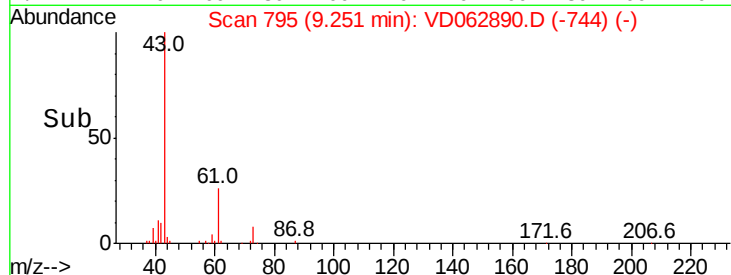
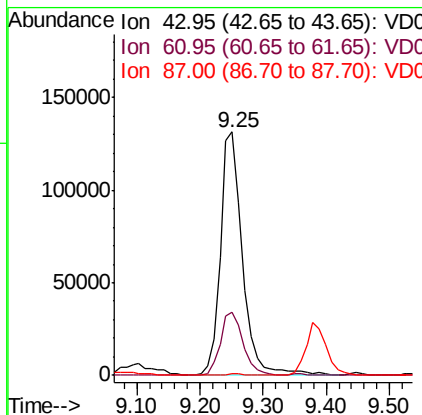
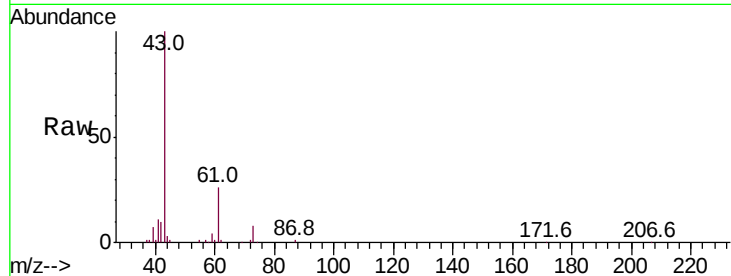
Isopropyl Acetate
 Concen: 58.347 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	22.4	33.6
87	0.5	0.3	0.5

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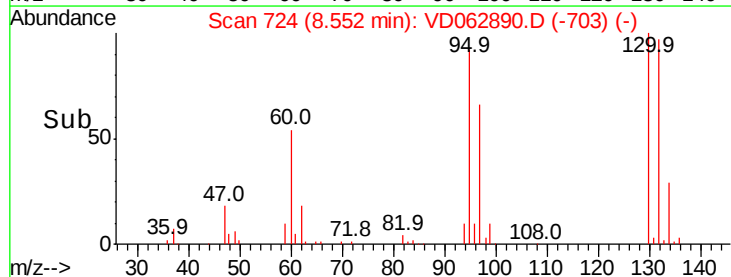
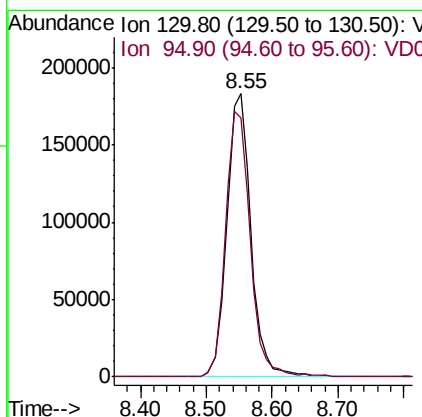
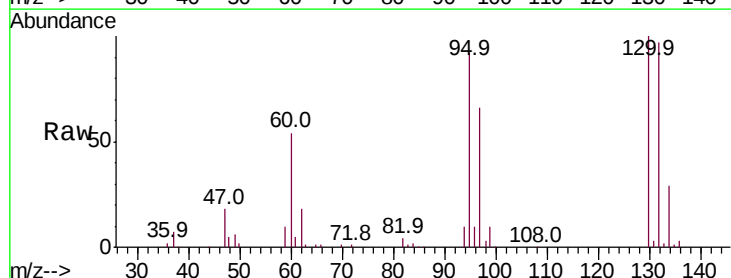
MMDadoda
 6/27/2019 12:44:50 AM

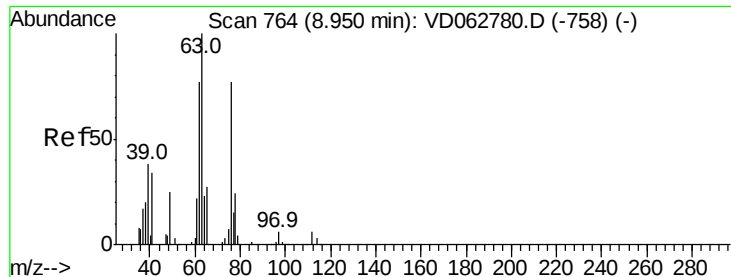


#44

Trichloroethene
 Concen: 56.691 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.01 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	201.6





#45

1,2-Dichloropropane

Concen: 53.002 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 278695

Ion Ratio Lower Upper

63 100

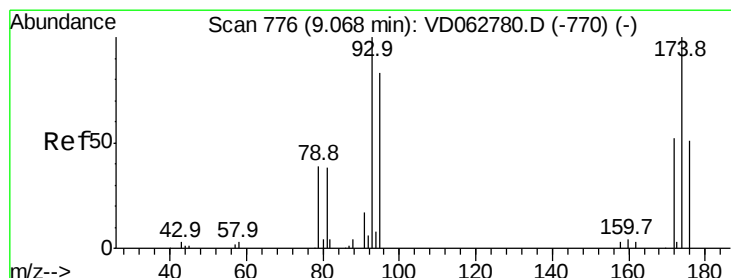
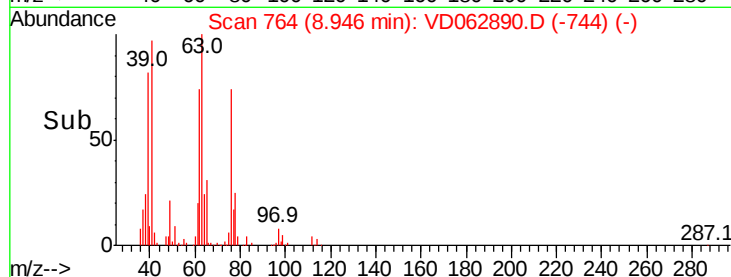
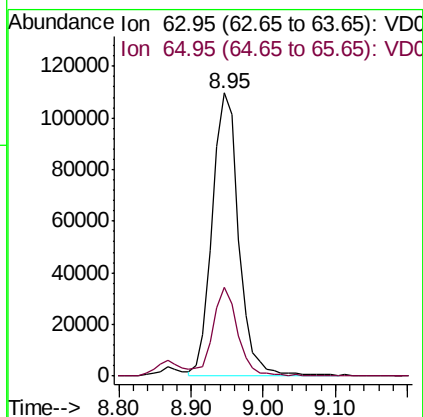
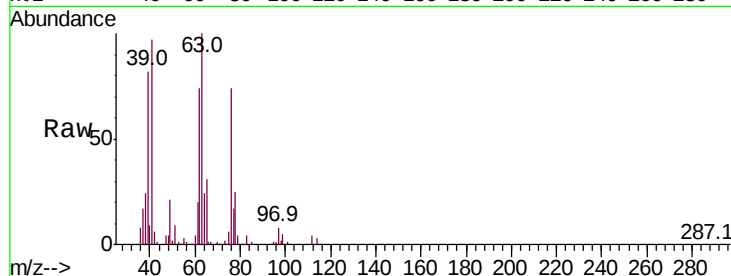
65 31.4 24.2 36.2

Manual Integrations

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#46

Dibromomethane

Concen: 56.892 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

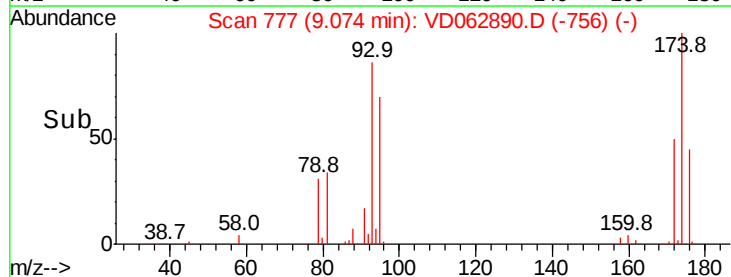
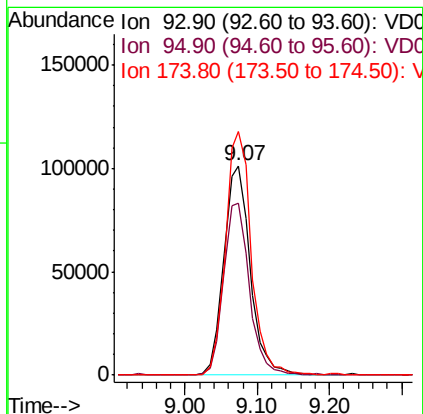
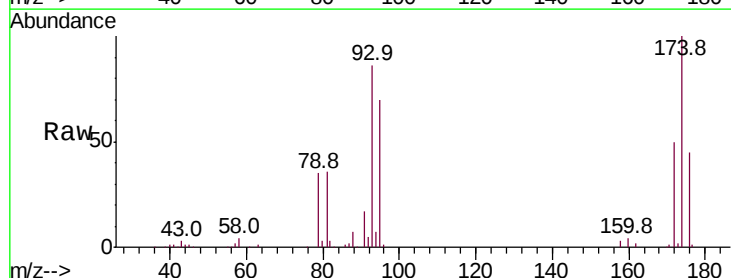
Tgt Ion: 93 Resp: 256972

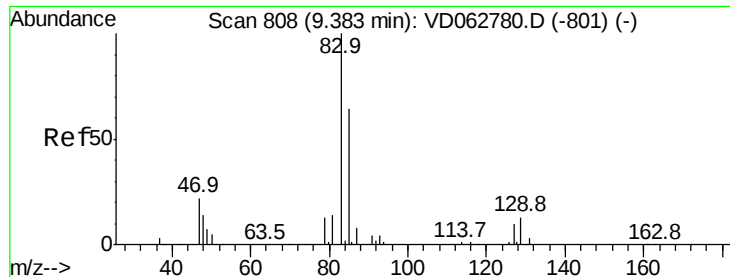
Ion Ratio Lower Upper

93 100

95 81.8 66.6 100.0

174 116.2 79.7 119.5





#47

Bromodichloromethane

Concen: 56.525 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

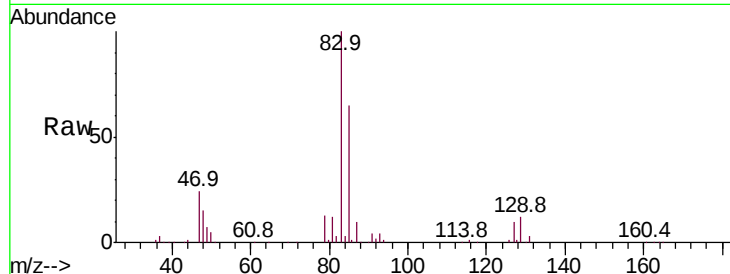
ClientSampleId :

VSTDCCC050EC

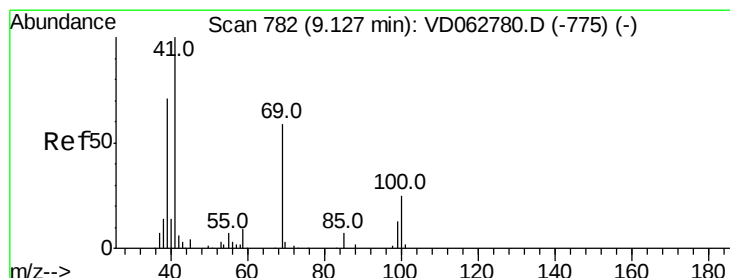
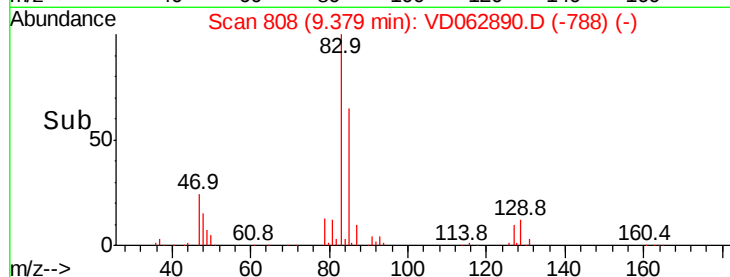
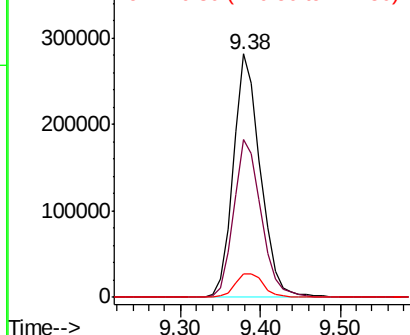
Tot Ion:	83	Resp:	663078
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.6	77.4
127	9.5	7.8	11.6

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: 54.788 ug/l

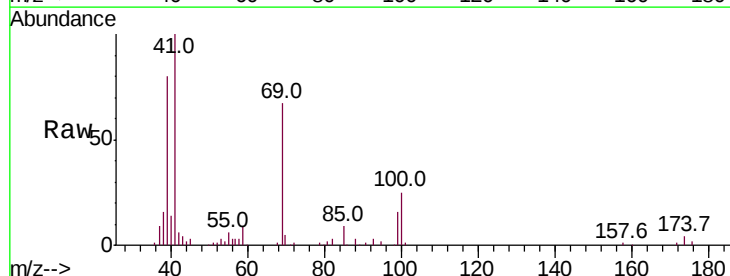
RT: 9.13 min Scan# 783

Delta R.T. 0.01 min

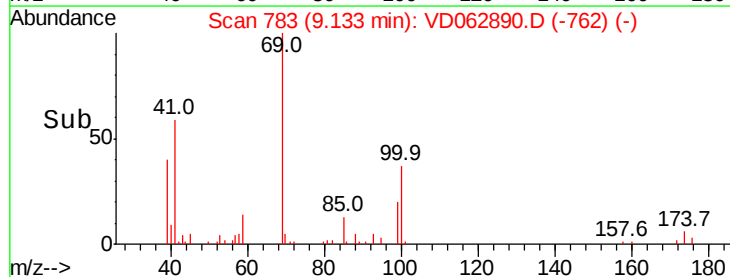
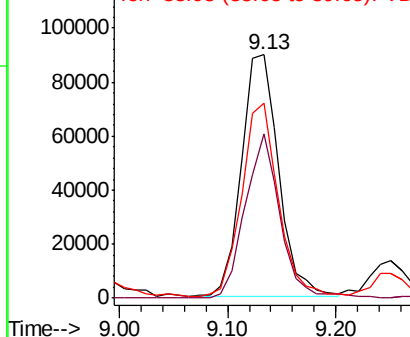
Lab File: VD062890.D

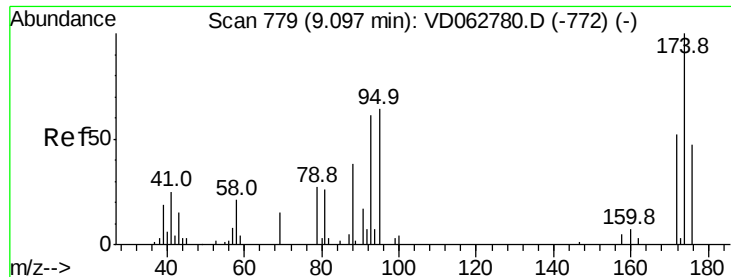
Acq: 25 Jun 2019 20:14

Tgt Ion:	41	Resp:	215034
Ion	Ratio	Lower	Upper
41	100		
69	67.3	47.2	70.8
39	80.0	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





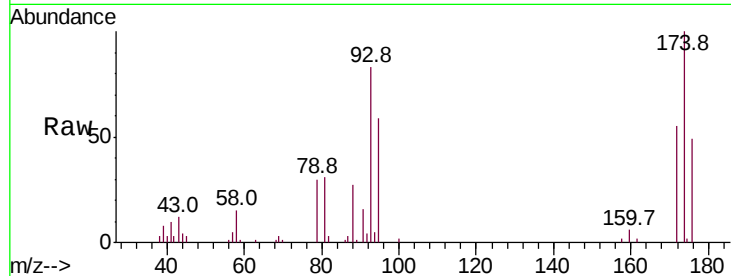
#49
 1,4-Dioxane
 Concen: 1198.448 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

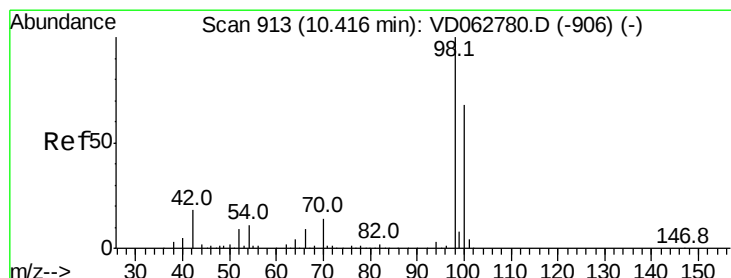
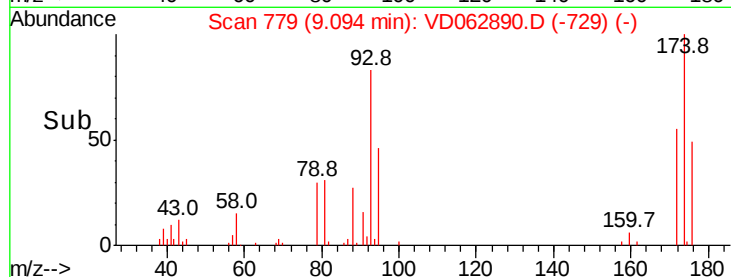
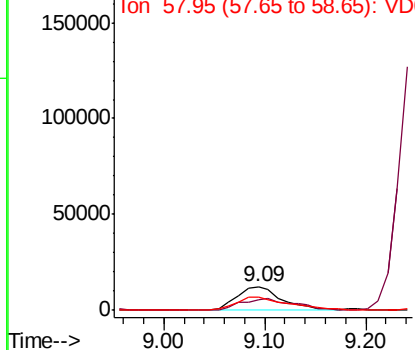
Tot Ion	88	Resp	39133
Ion	Ratio	Lower	Upper
88	100		
43	45.4	32.1	48.1
58	56.9	44.1	66.1

Manual Integrations
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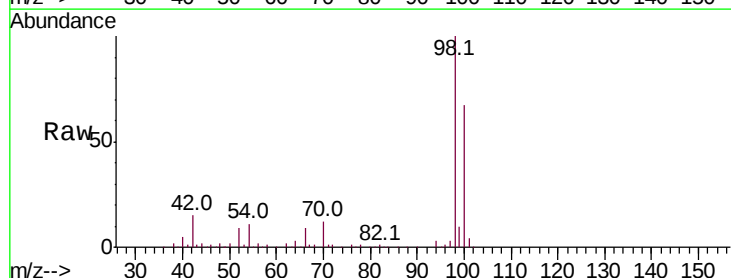


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

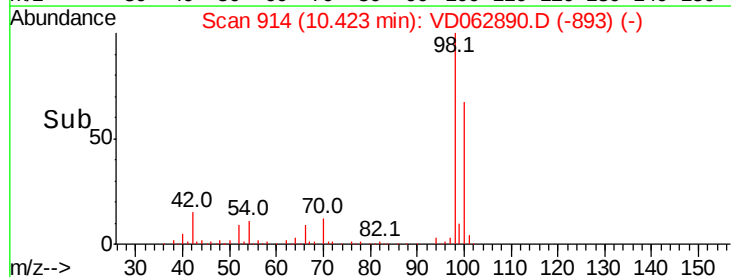
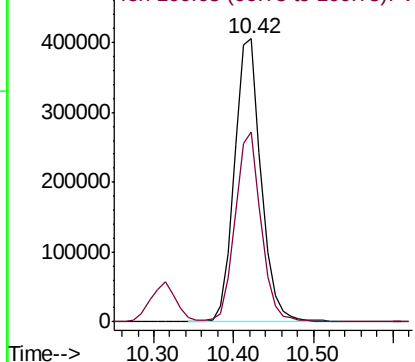


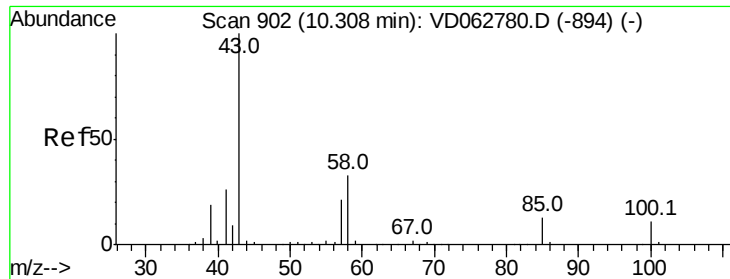
#50
 Toluene-d8
 Concen: 46.212 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. 0.01 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Tgt Ion	98	Resp	943785
Ion	Ratio	Lower	Upper
98	100		
100	67.2	54.7	82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC
 Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 301.677 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Tot Ion: 43 Resp: 1181298

Ion Ratio Lower Upper

43 100

58 33.1 26.6 40.0

Instrument :

MSVOA_D

ClientSampleId :

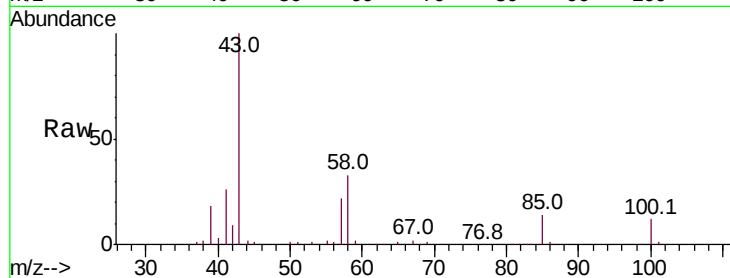
VSTDCCC050EC

Manual Integrations

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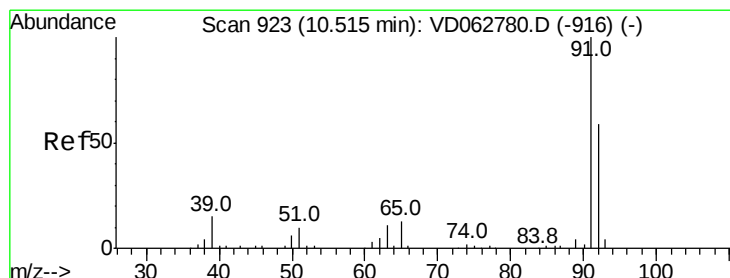
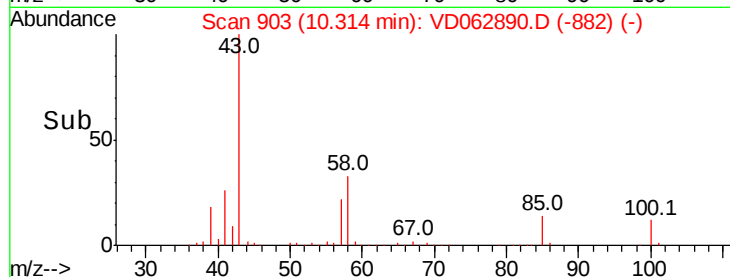
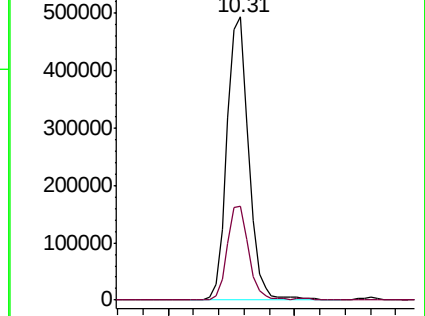
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 53.268 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD062890.D

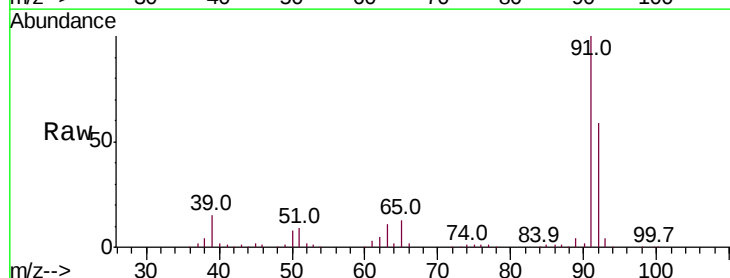
Acq: 25 Jun 2019 20:14

Tgt Ion: 92 Resp: 757189

Ion Ratio Lower Upper

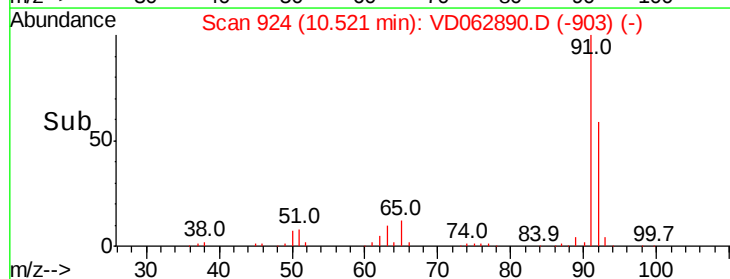
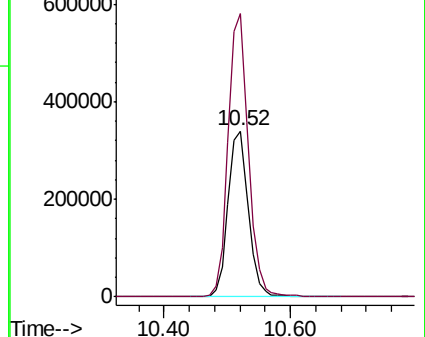
92 100

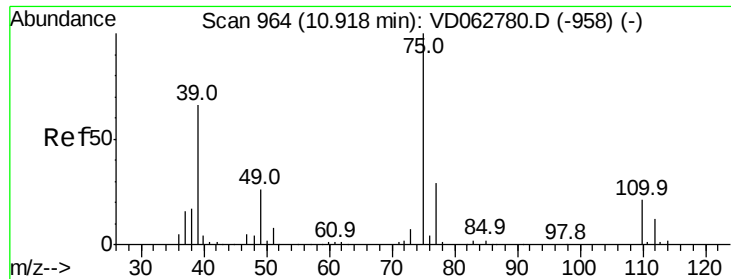
91 170.8 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





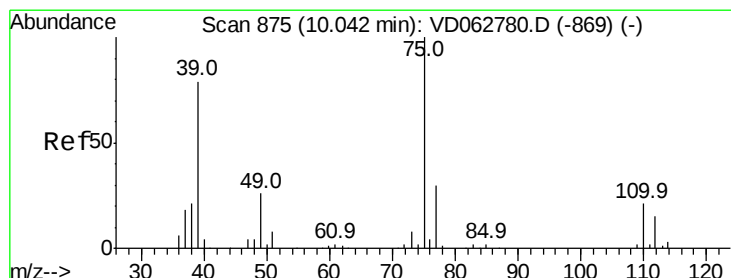
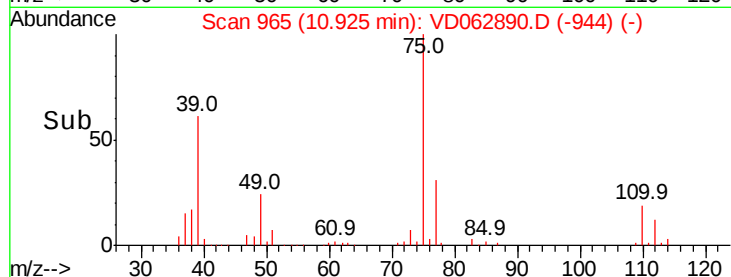
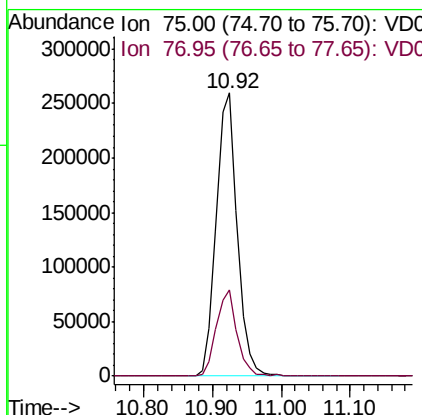
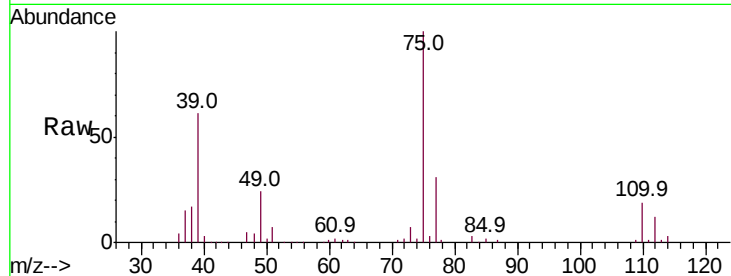
#53
t-1,3-Dichloropropene
Concen: 57.148 ug/l
RT: 10.92 min Scan# 965
Delta R.T. 0.01 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 548701
Ion Ratio Lower Upper
75 100
77 30.5 23.2 34.8

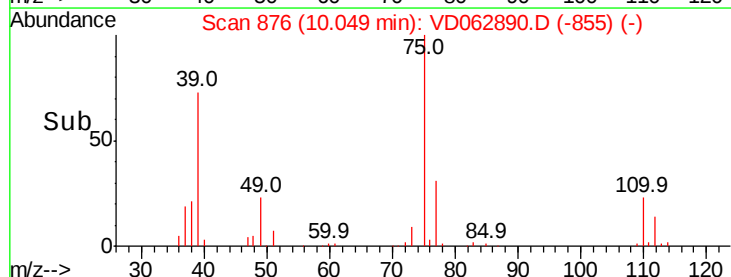
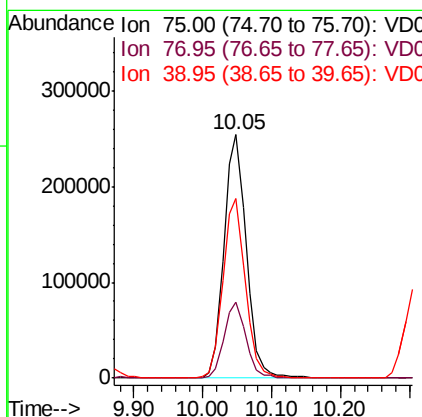
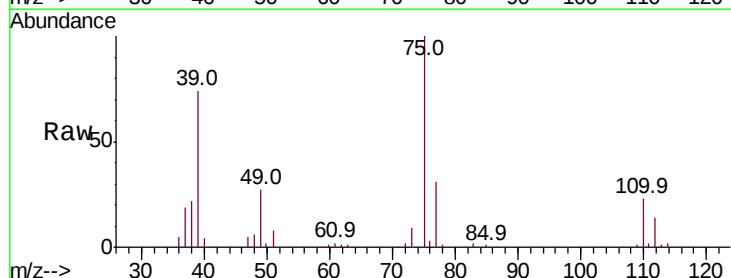
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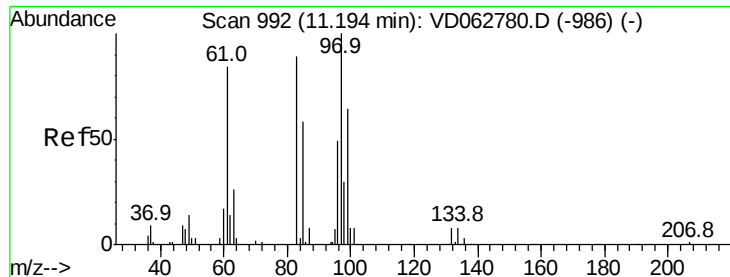
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#54
cis-1,3-Dichloropropene
Concen: 54.552 ug/l
RT: 10.05 min Scan# 876
Delta R.T. 0.01 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion: 75 Resp: 569303
Ion Ratio Lower Upper
75 100
77 31.1 24.2 36.2
39 74.0 63.5 95.3





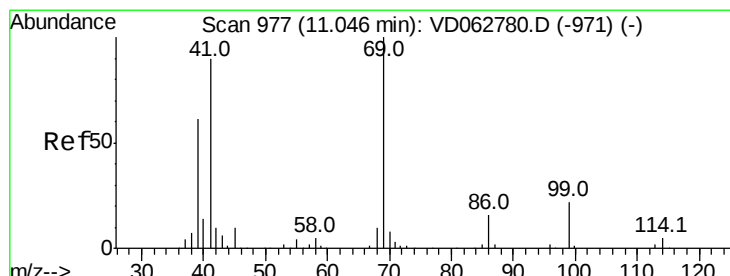
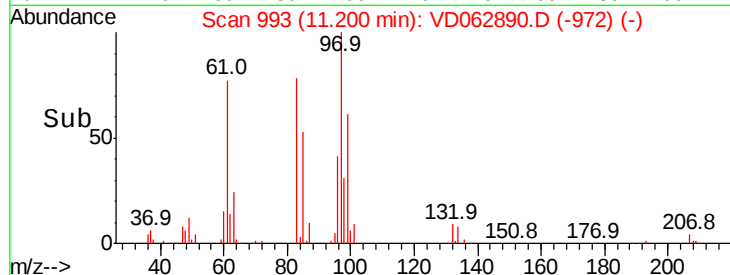
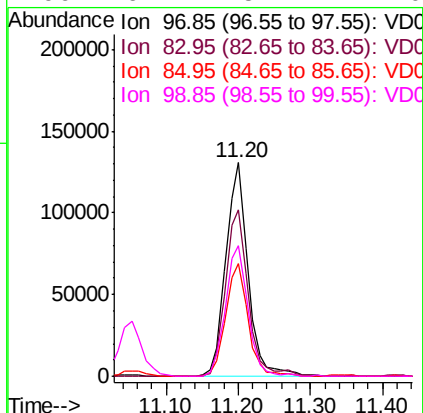
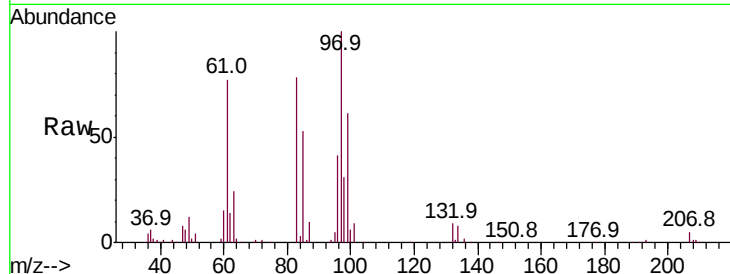
#55
1,1,2-Trichloroethane
Concen: 57.136 ug/l
RT: 11.20 min Scan# 993
Delta R.T. 0.01 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	77.9	71.0	106.4
85	52.7	46.6	69.8
99	61.4	51.4	77.0

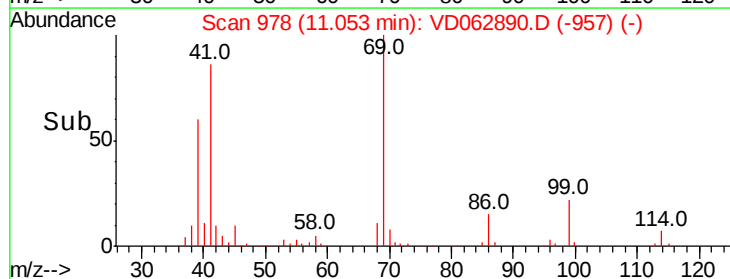
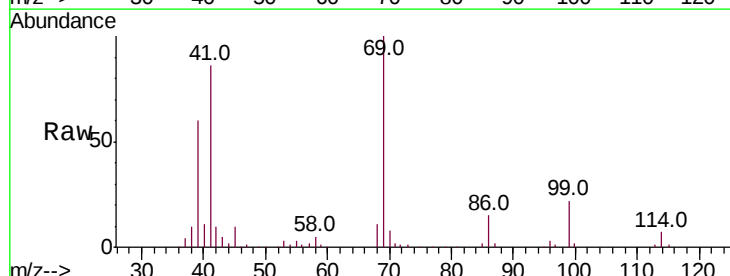
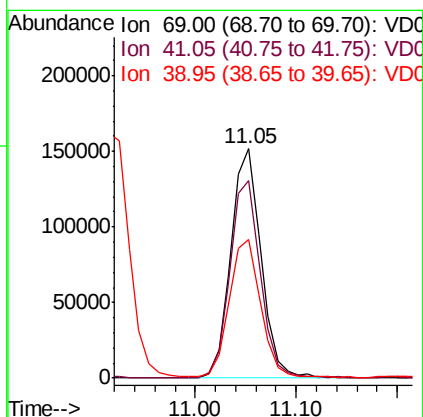
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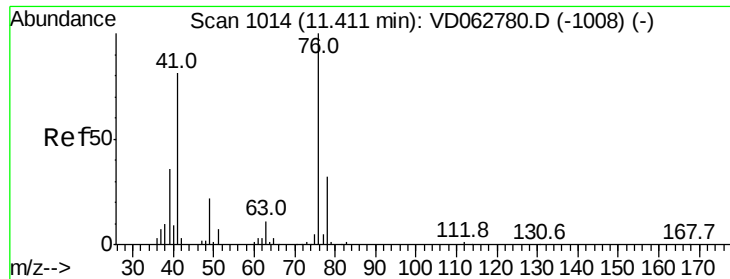
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#56
Ethyl methacrylate
Concen: 60.290 ug/l
RT: 11.05 min Scan# 978
Delta R.T. 0.01 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion	Ratio	Lower	Upper
69	100		
41	85.9	72.0	108.0
39	60.3	49.5	74.3





#57

1,3-Dichloropropane

Concen: 55.781 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 417109

Ion Ratio Lower Upper

76 100

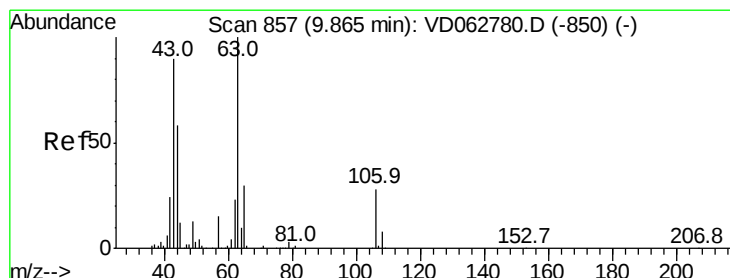
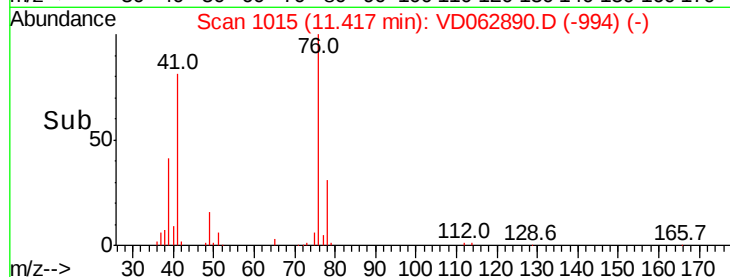
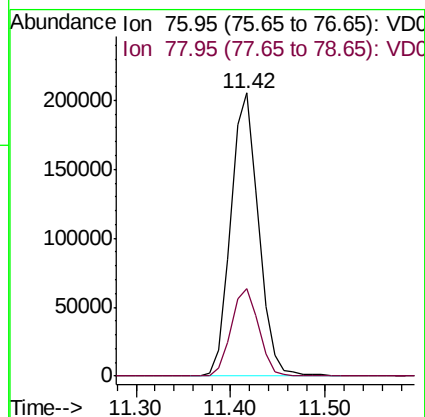
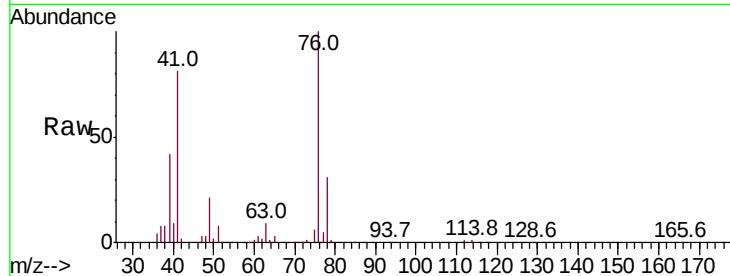
78 31.0 25.4 38.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 298.088 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD062890.D

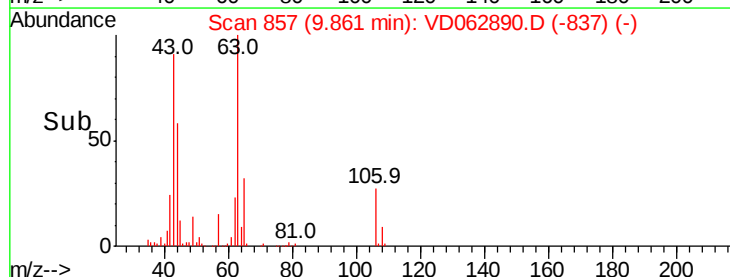
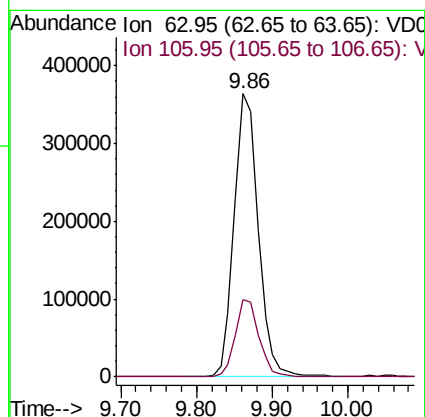
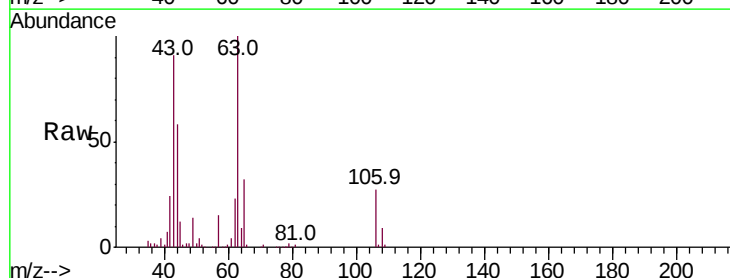
Acq: 25 Jun 2019 20:14

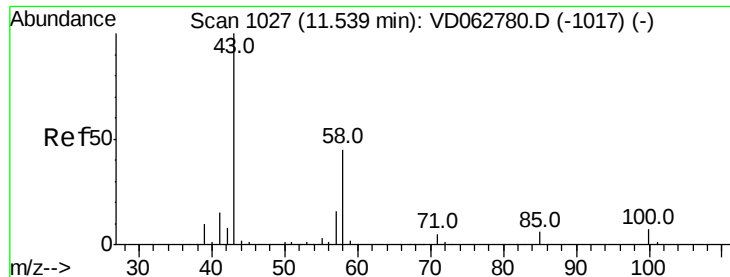
Tgt Ion: 63 Resp: 798693

Ion Ratio Lower Upper

63 100

106 27.4 22.1 33.1





#59

2-Hexanone

Concen: 310.704 ug/l

RT: 11.54 min Scan# 1028

Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 866483

Ion Ratio Lower Upper

43 100

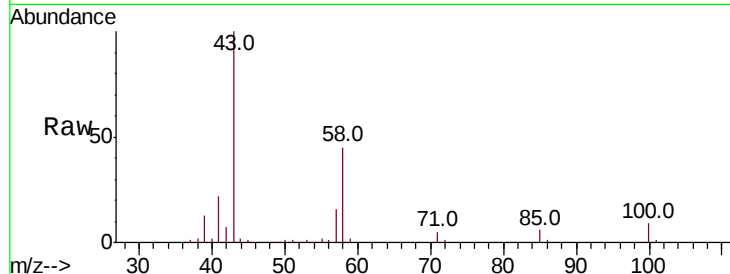
58 45.3 22.4 67.2

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

11.54

400000

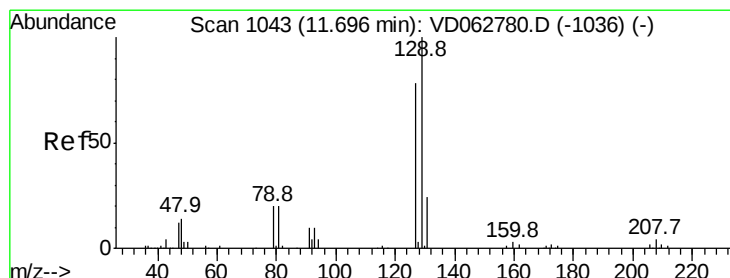
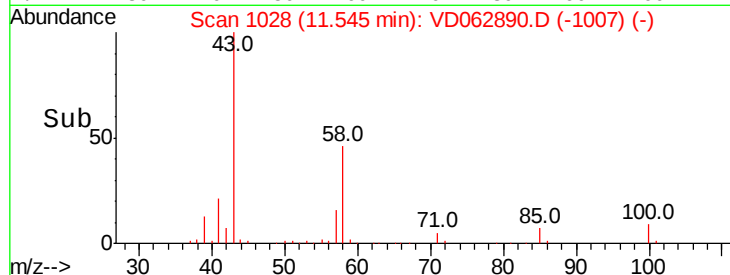
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 57.661 ug/l

RT: 11.69 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VD062890.D

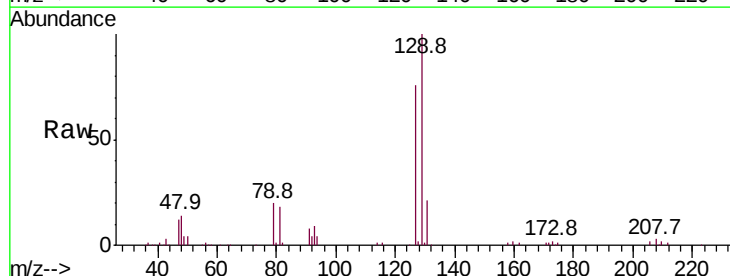
Acq: 25 Jun 2019 20:14

Tgt Ion:129 Resp: 524511

Ion Ratio Lower Upper

129 100

127 76.2 38.9 116.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.69

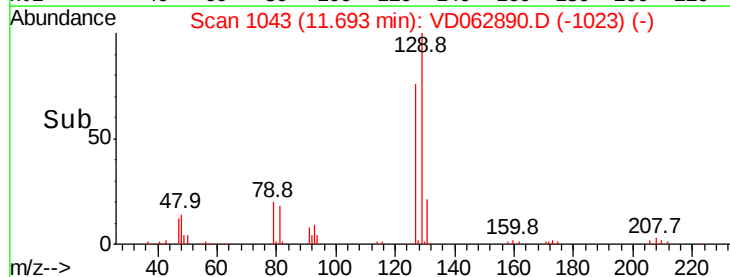
300000

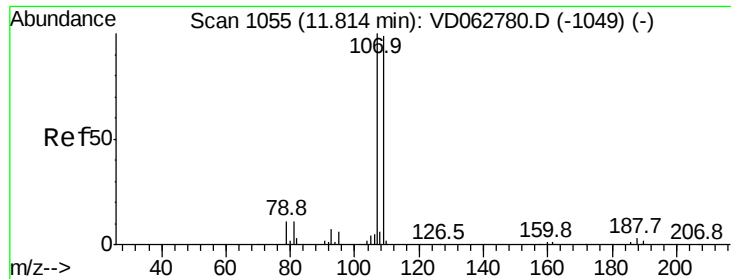
200000

100000

0

Time-->





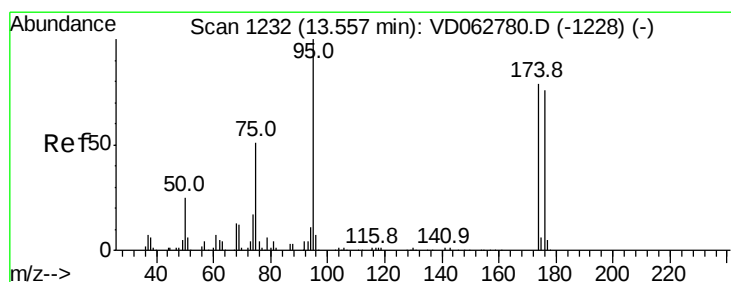
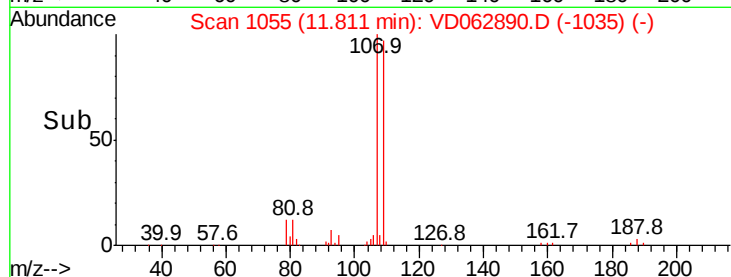
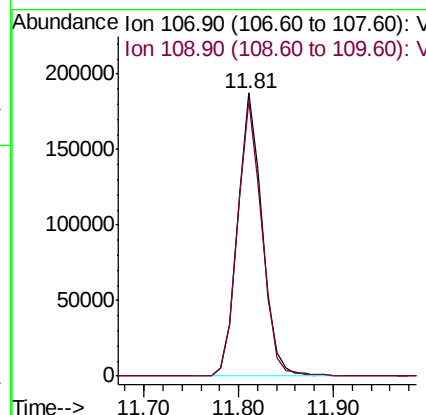
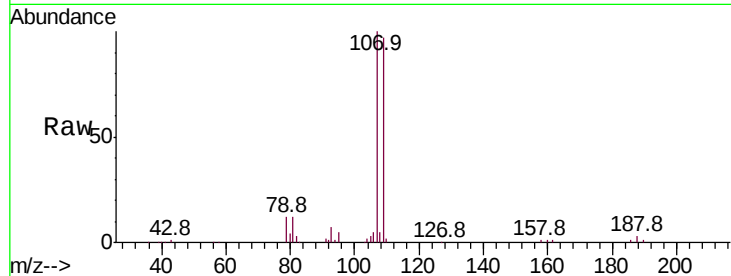
#61
 1,2-Dibromoethane
 Concen: 57.752 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.3	79.3	118.9

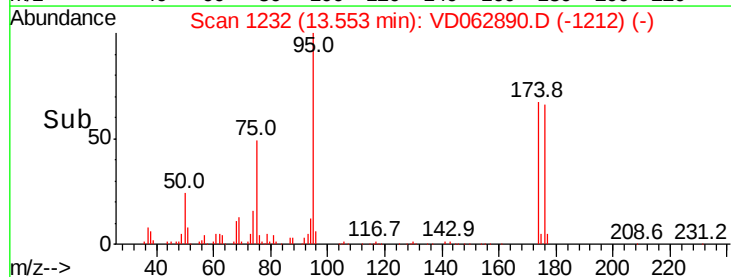
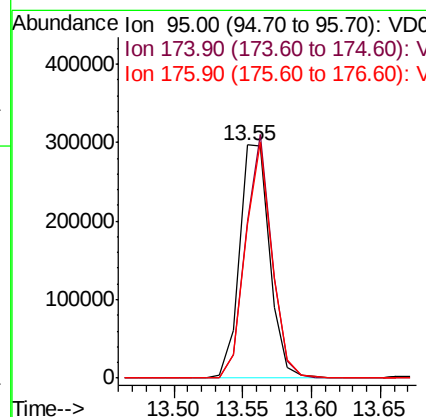
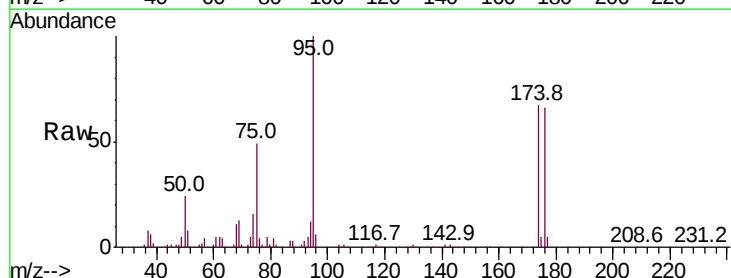
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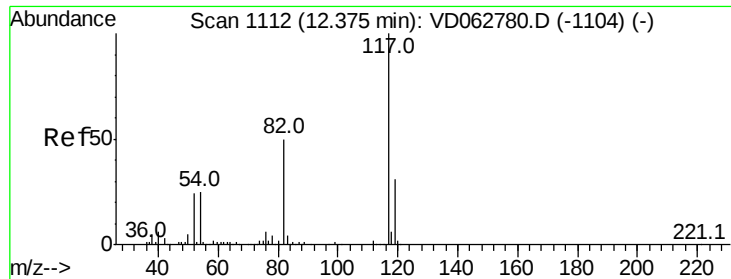
MMDadoda
 6/27/2019 12:44:50 AM



#62
 4-Bromofluorobenzene
 Concen: 48.693 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.1	0.0	158.0
176	65.9	0.0	151.6





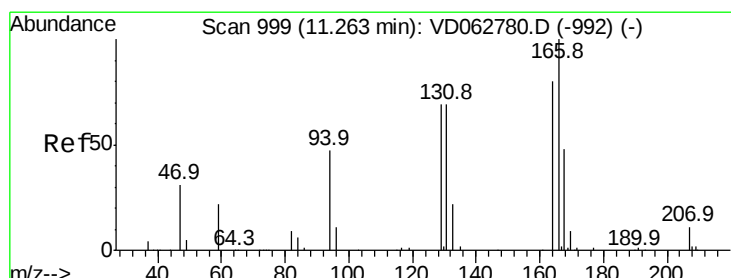
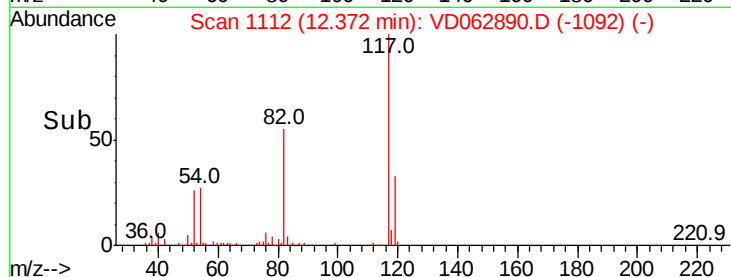
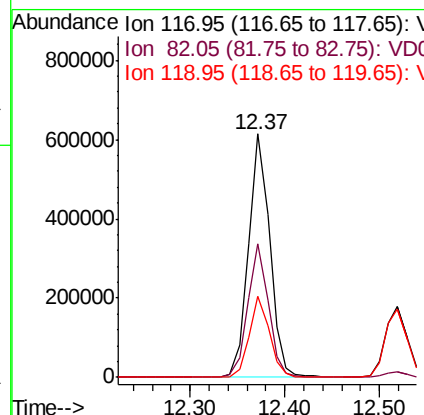
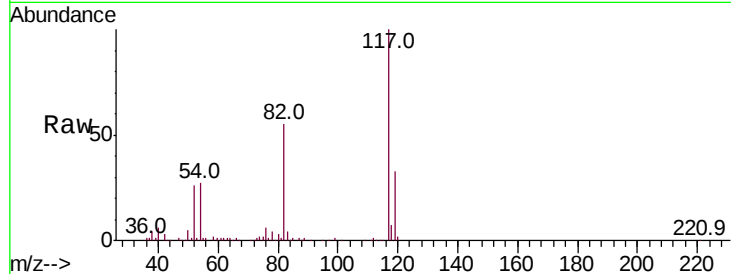
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	959111		
82	54.7		40.4	60.6
119	33.3		25.2	37.8

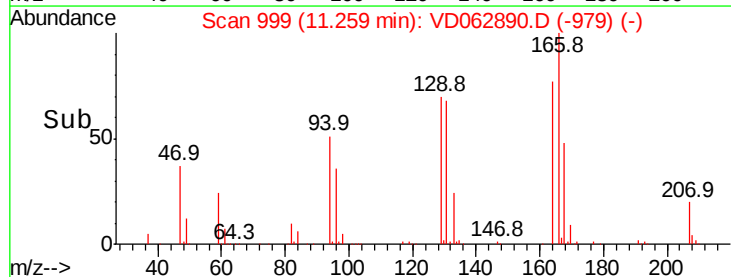
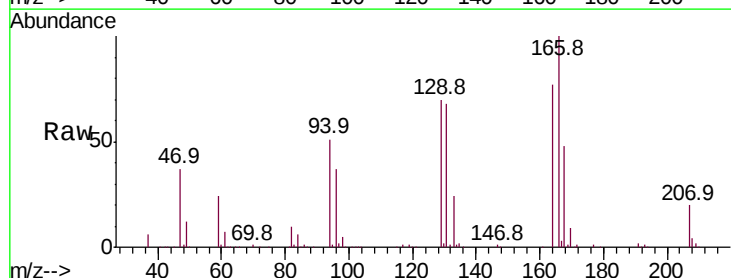
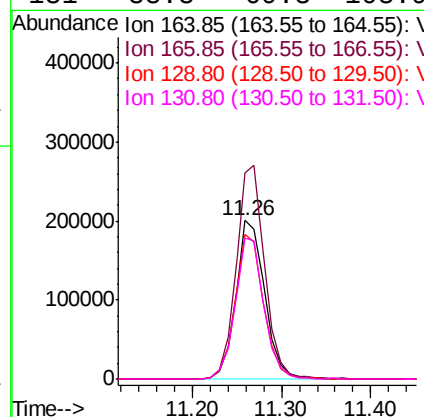
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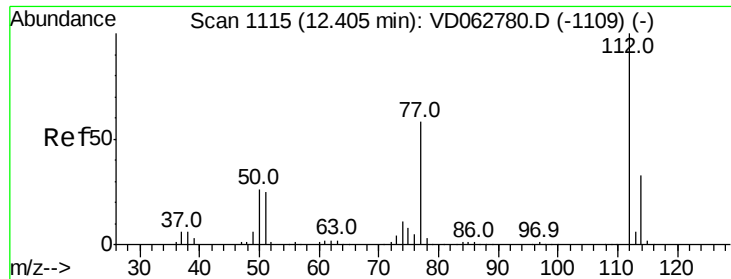
MMDadoda
6/27/2019 12:44:50 AM



#64
Tetrachloroethene
Concen: 57.105 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	450769		
166	130.4		100.6	150.8
129	91.3		69.4	104.0
131	88.8		69.3	103.9





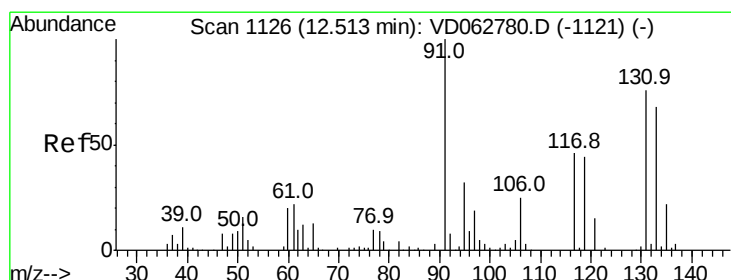
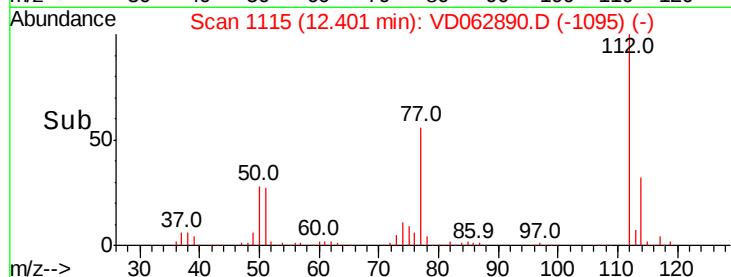
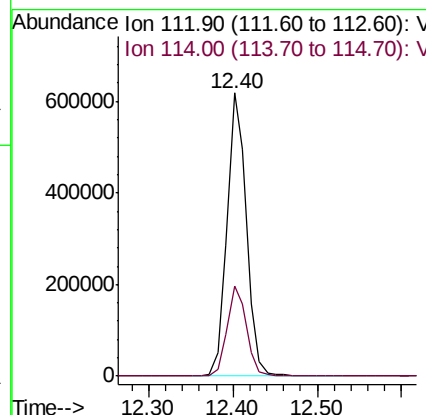
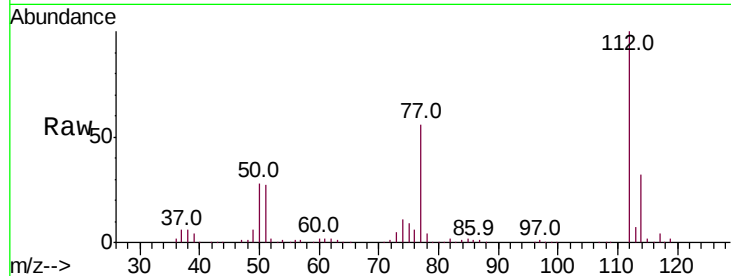
#65
Chlorobenzene
Concen: 55.281 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 984010
Ion Ratio Lower Upper
112 100
114 32.0 26.3 39.5

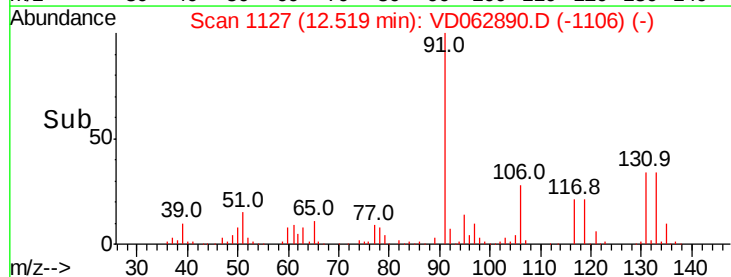
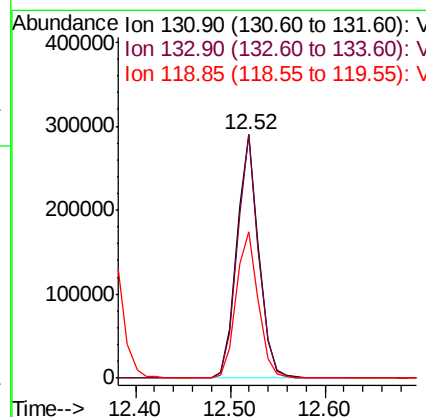
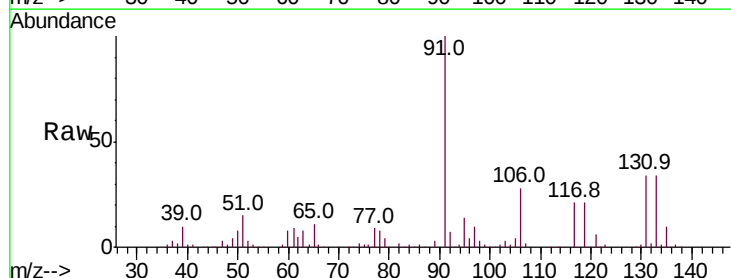
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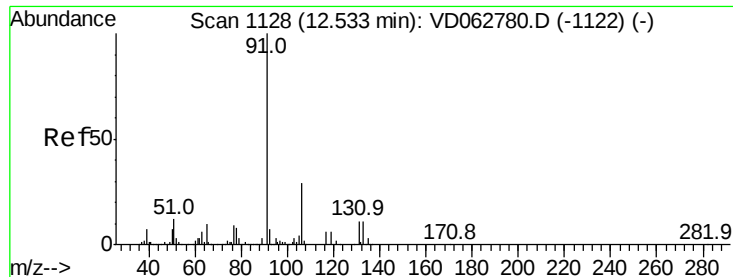
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.687 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion:131 Resp: 463553
Ion Ratio Lower Upper
131 100
133 99.8 44.5 133.3
119 59.9 28.6 85.9





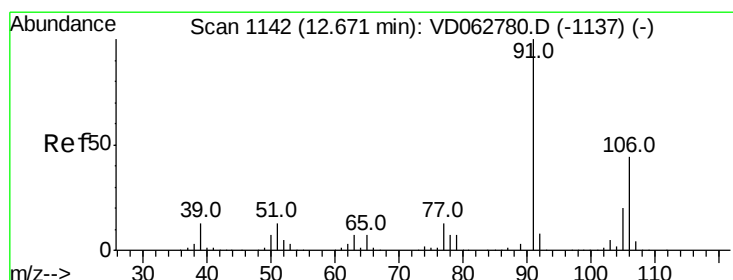
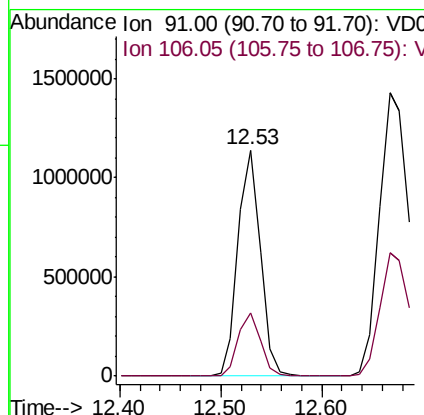
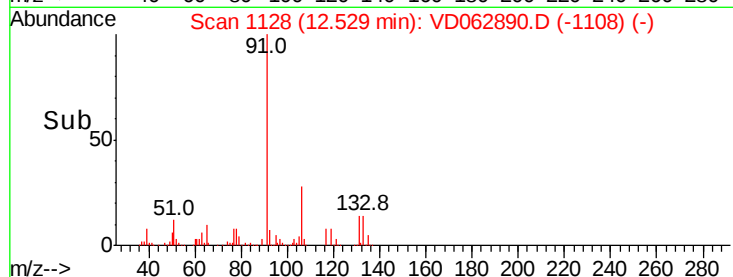
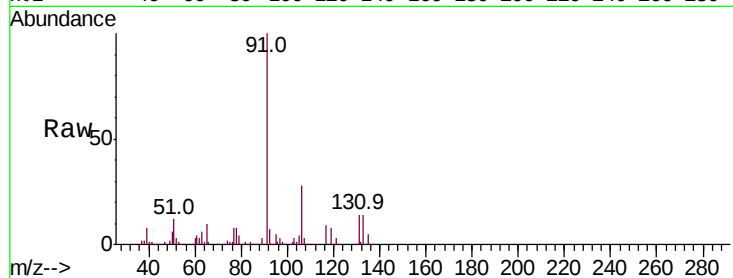
#67
Ethyl Benzene
Concen: 55.350 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1768876
Ion Ratio Lower Upper
91 100
106 27.7 23.1 34.7

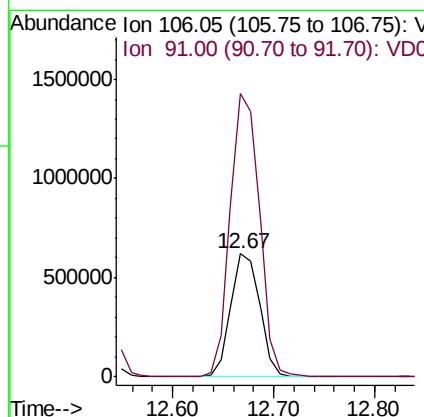
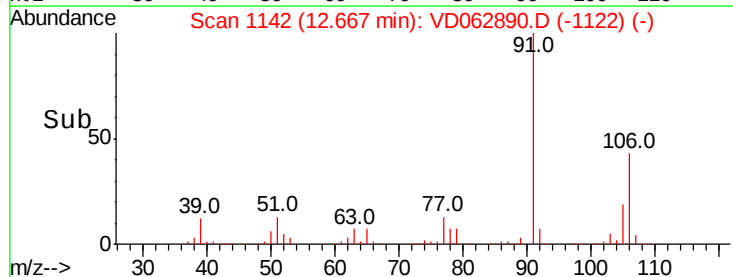
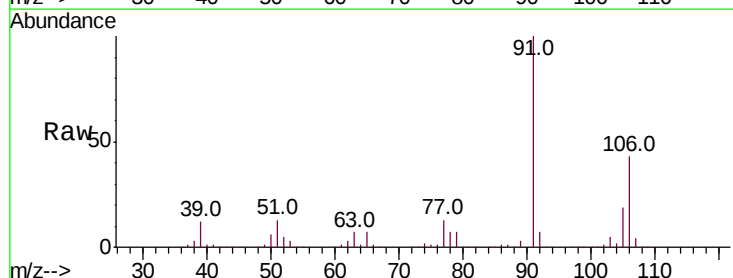
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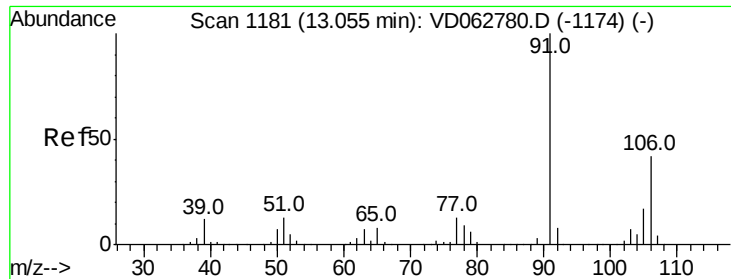
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#68
m/p-Xylenes
Concen: 111.715 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion: 106 Resp: 1243460
Ion Ratio Lower Upper
106 100
91 230.3 183.0 274.6





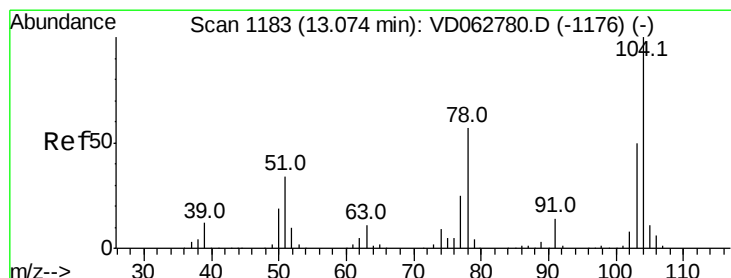
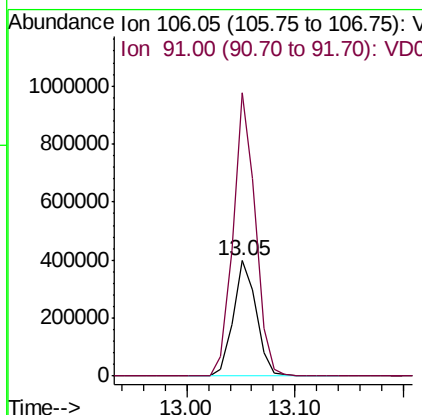
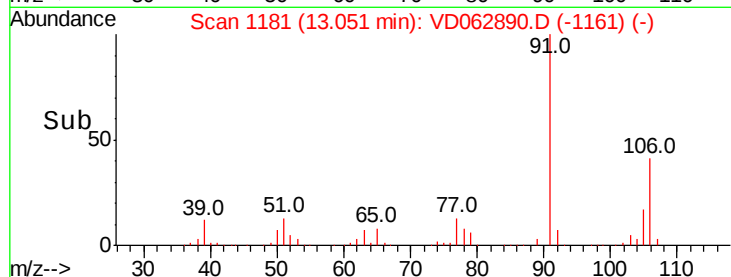
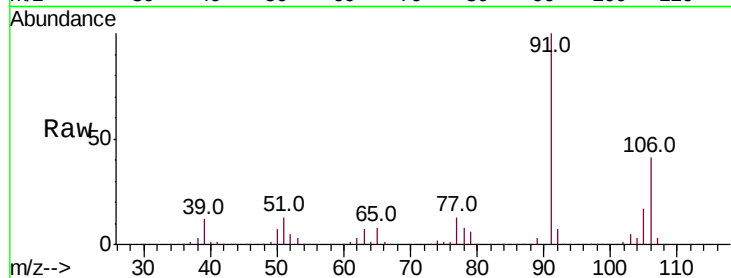
#69
o-Xylene
Concen: 58.014 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 590296
Ion Ratio Lower Upper
106 100
91 245.7 117.9 353.6

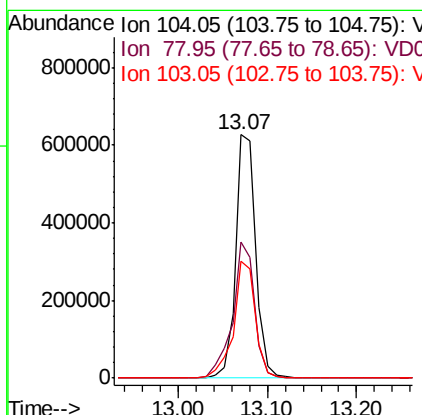
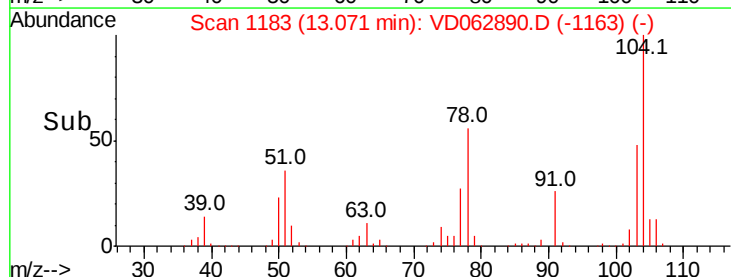
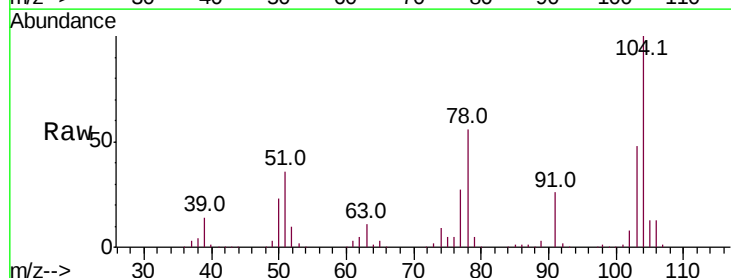
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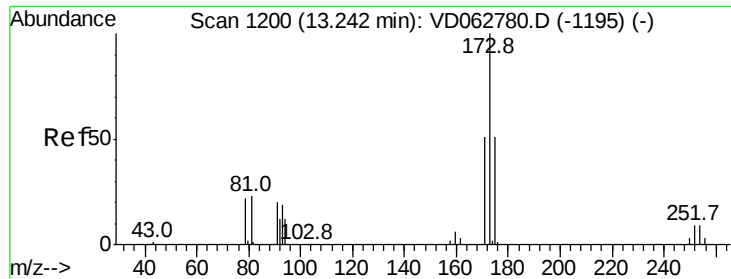
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#70
Styrene
Concen: 55.168 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion:104 Resp: 985967
Ion Ratio Lower Upper
104 100
78 55.9 45.4 68.2
103 47.9 39.7 59.5





#71

Bromoform

Concen: 59.224 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 337773

Ion Ratio Lower Upper

173 100

175 47.2 25.3 75.9

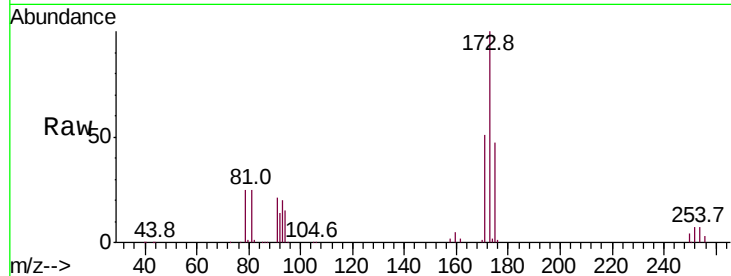
254 7.2 7.1 10.7

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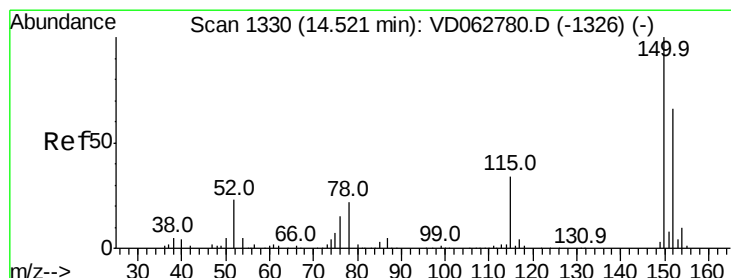
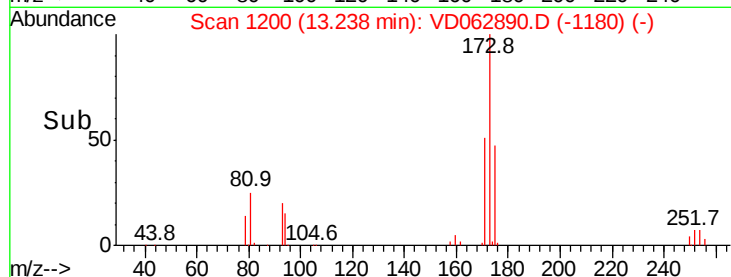
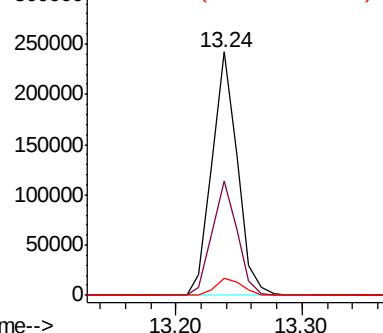
6/27/2019 12:44:50 AM



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

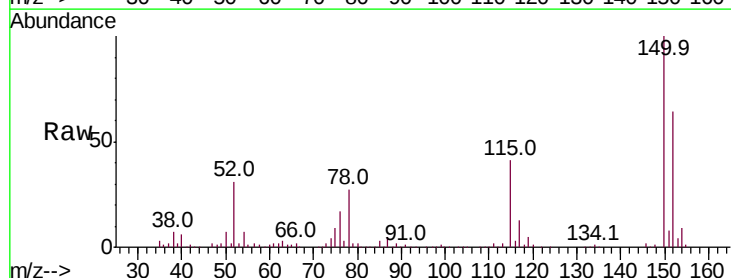
Tgt Ion:152 Resp: 517258

Ion Ratio Lower Upper

152 100

115 63.7 29.2 87.6

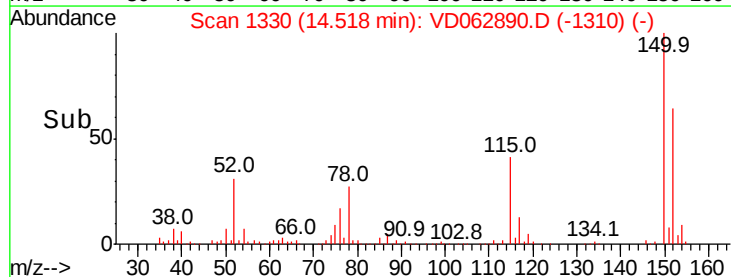
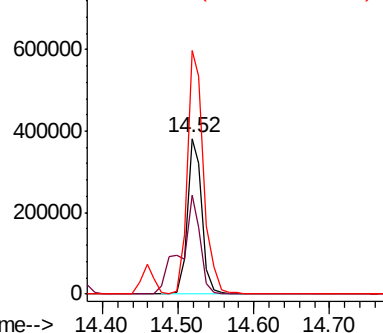
150 156.5 0.0 305.8

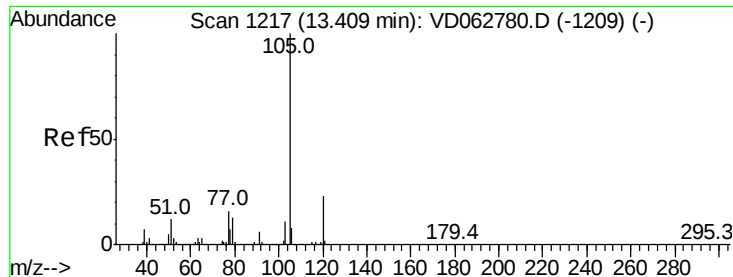


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.607 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1777917

Ion Ratio Lower Upper

105 100

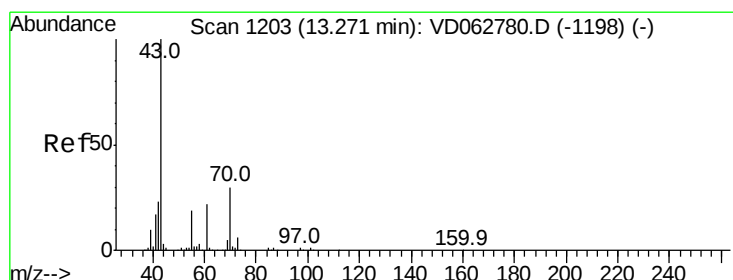
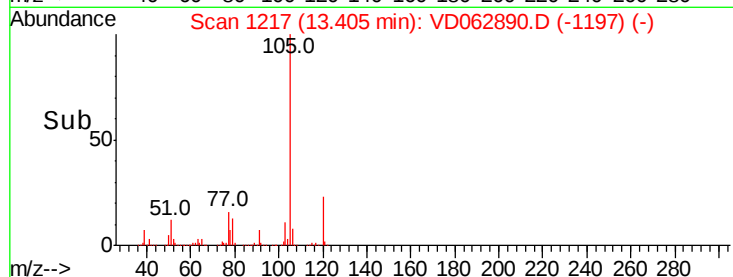
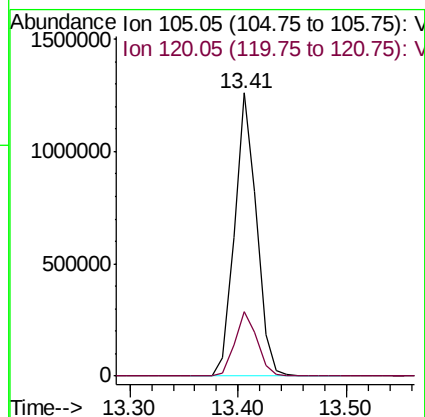
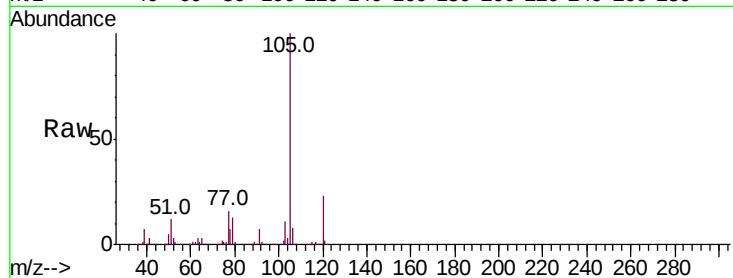
120 22.7 11.6 34.7

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#74

N-ethyl acetate

Concen: 59.132 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Tgt Ion: 43 Resp: 476261

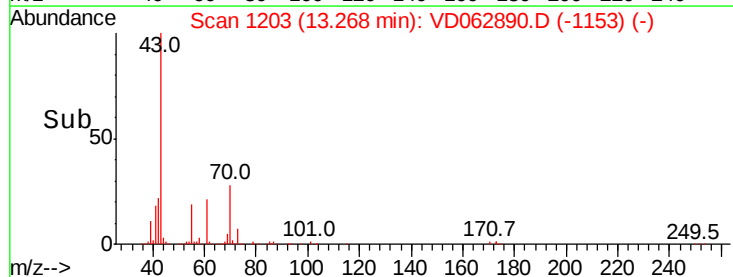
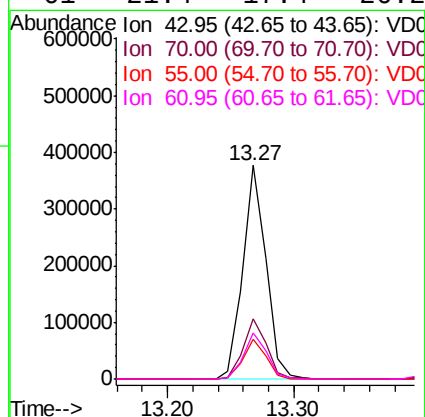
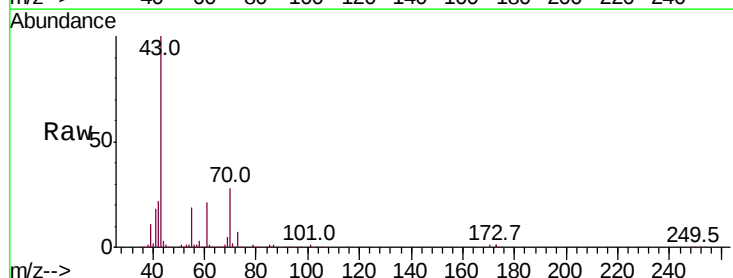
Ion Ratio Lower Upper

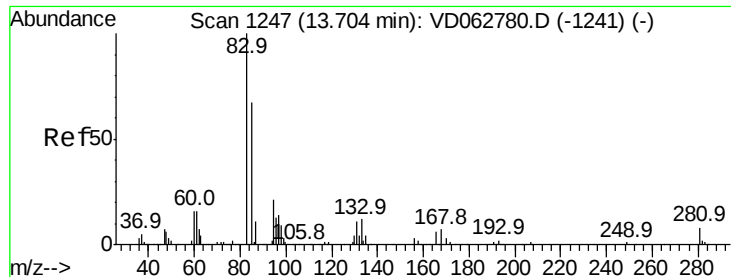
43 100

70 27.9 24.4 36.6

55 18.7 15.2 22.8

61 21.4 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 56.623 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 305977
Ion Ratio Lower Upper

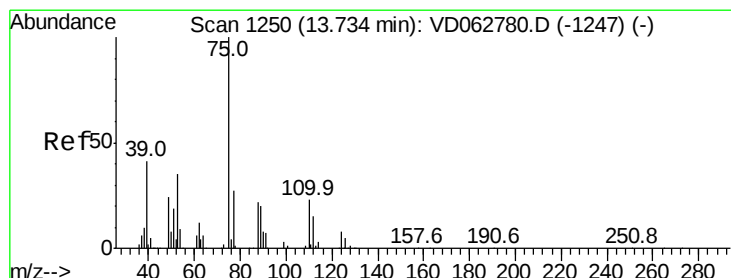
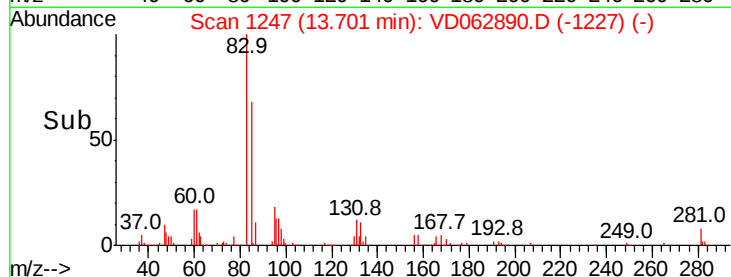
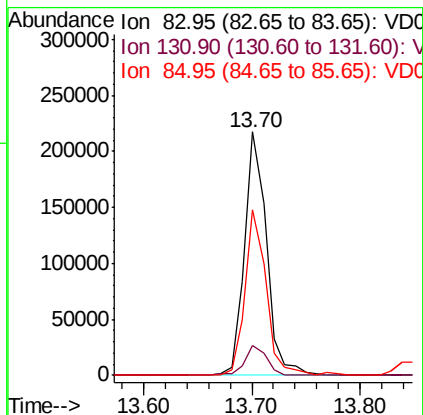
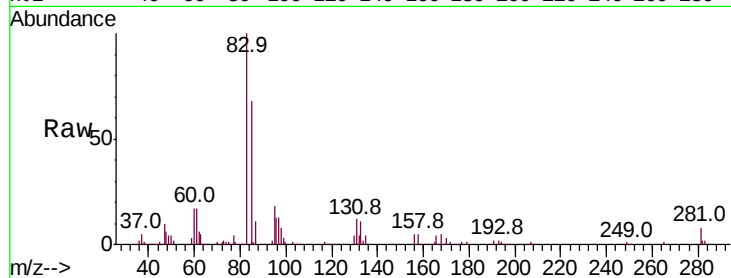
83 100

131 12.1 5.3 16.1

85 68.1 33.7 101.1

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#76

1,2,3-Trichloropropane

Concen: 58.294 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

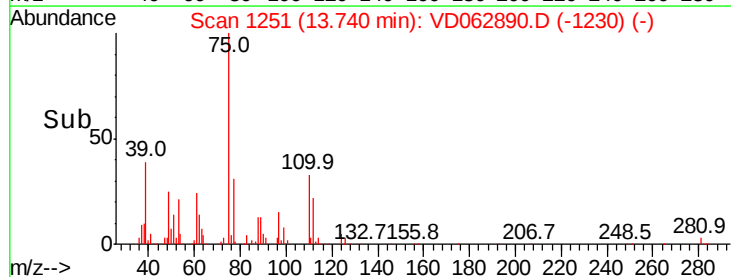
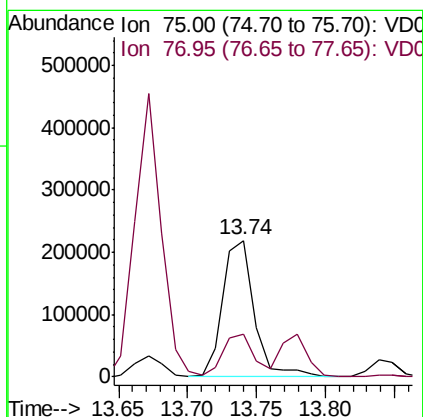
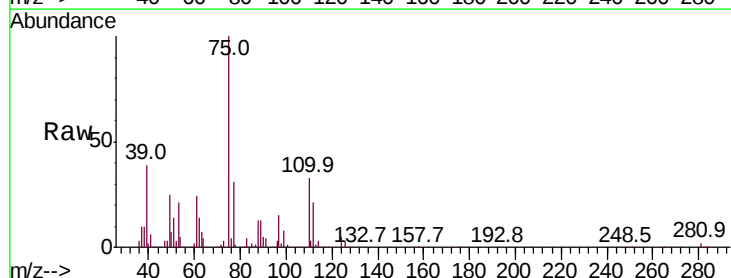
Lab File: VD062890.D

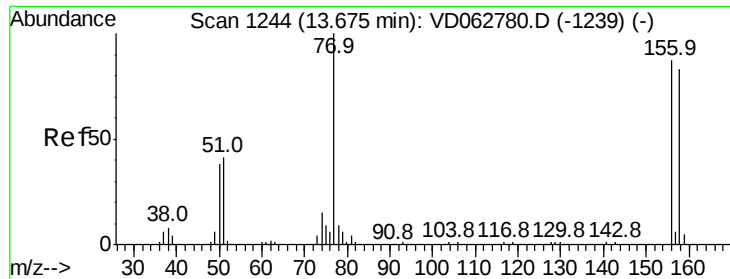
Acq: 25 Jun 2019 20:14

Tgt Ion: 75 Resp: 348093
Ion Ratio Lower Upper

75 100

77 31.2 15.0 45.1





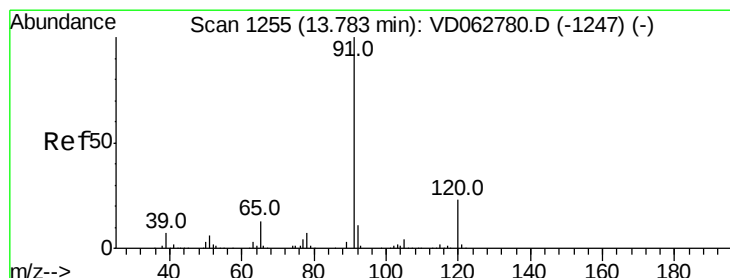
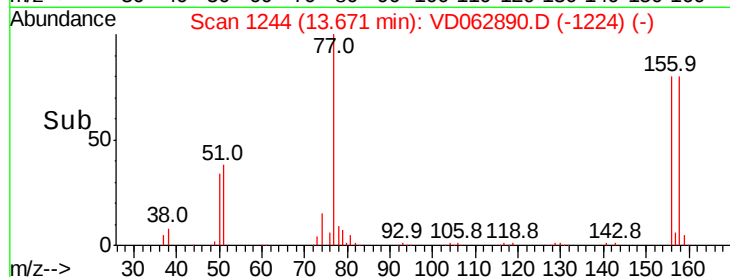
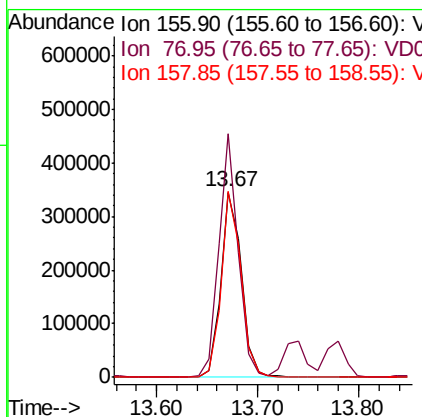
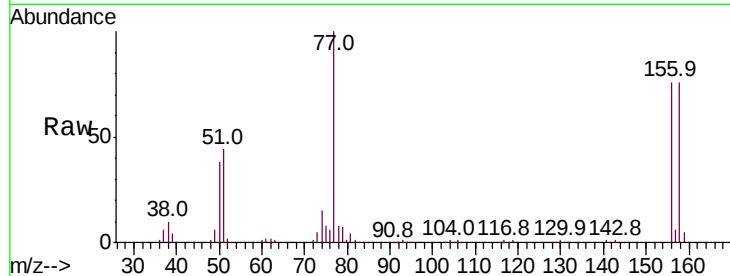
#77
Bromobenzene
Concen: 54.843 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:156 Resp: 489233
Ion Ratio Lower Upper
156 100
77 131.7 57.7 173.1
158 100.4 47.7 143.1

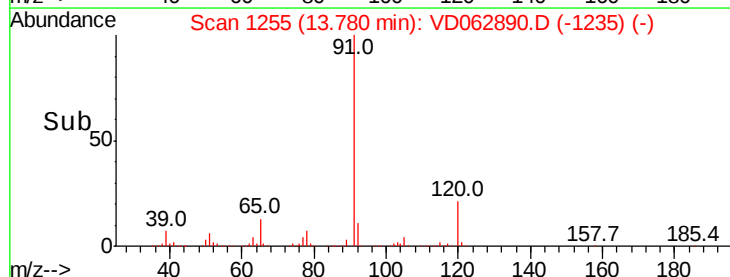
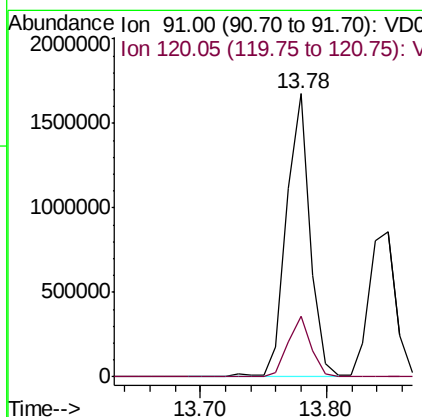
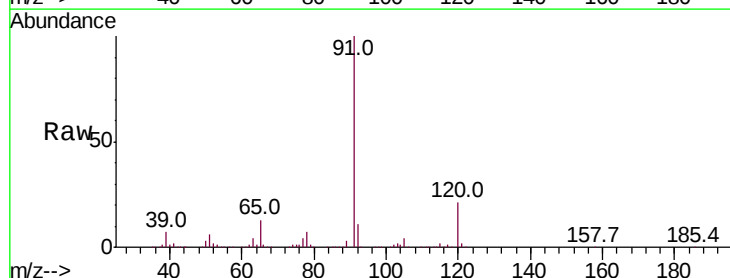
Manual Integrations
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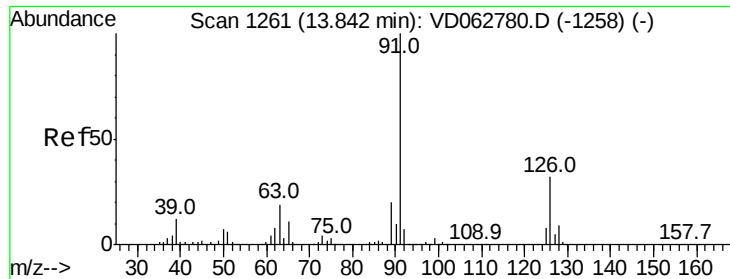
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6/27/2019 12:44:50 AM



#78
n-propylbenzene
Concen: 56.635 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion: 91 Resp: 2186210
Ion Ratio Lower Upper
91 100
120 21.3 11.3 33.8





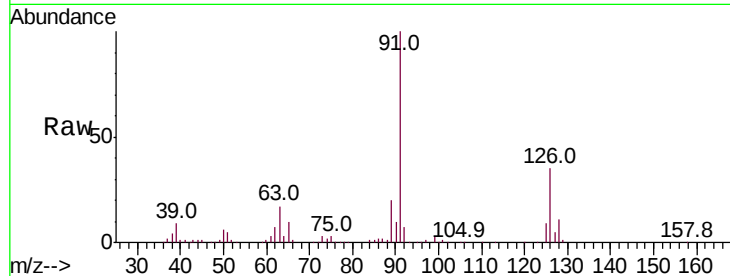
#79
2-Chlorotoluene
Concen: 57.741 ug/l
RT: 13.85 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

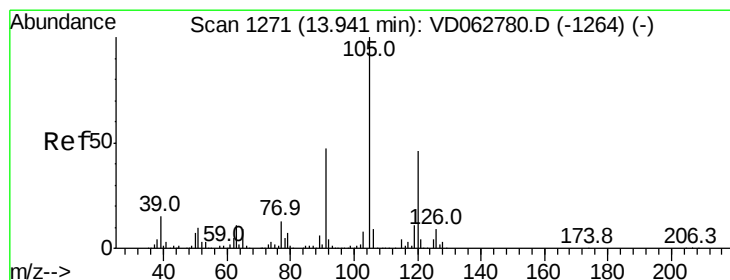
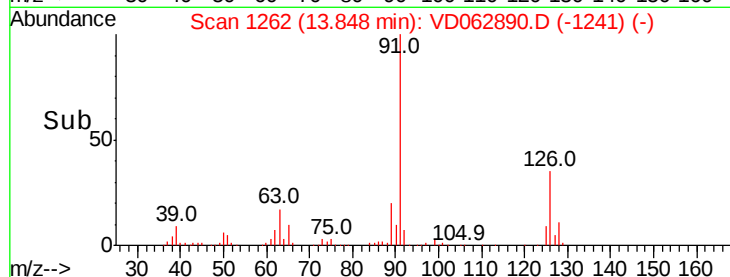
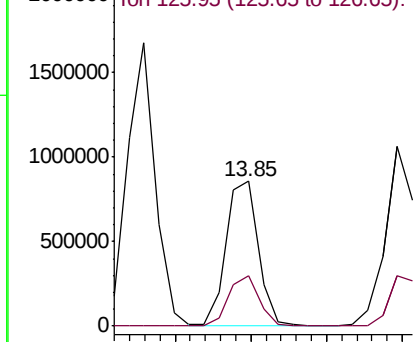
Tot Ion: 91 Resp: 1273768
Ion Ratio Lower Upper
91 100
126 34.9 15.7 47.1

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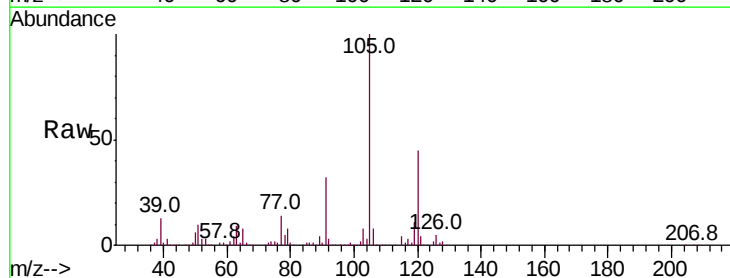


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

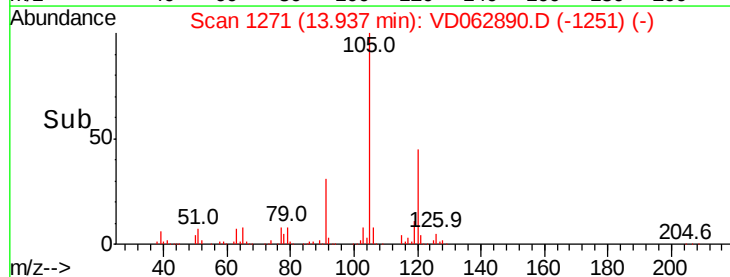
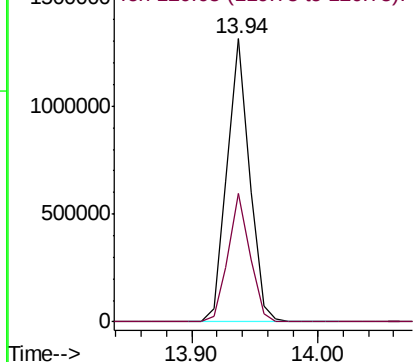


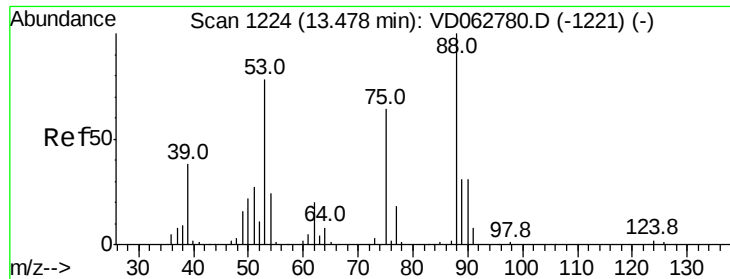
#80
1,3,5-Trimethylbenzene
Concen: 57.585 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion:105 Resp: 1604197
Ion Ratio Lower Upper
105 100
120 45.4 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





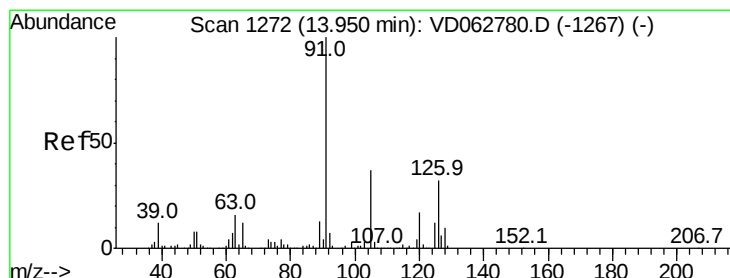
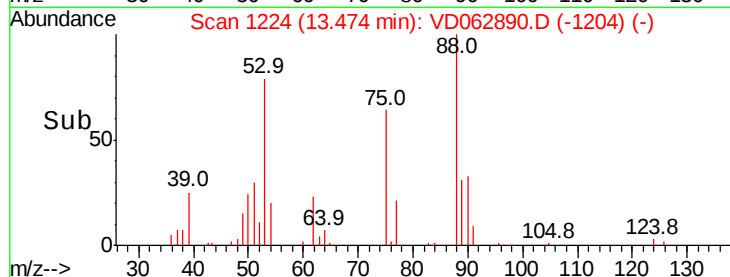
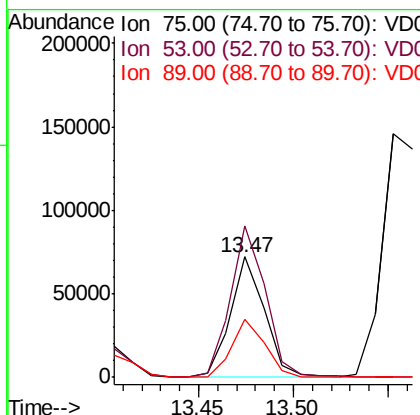
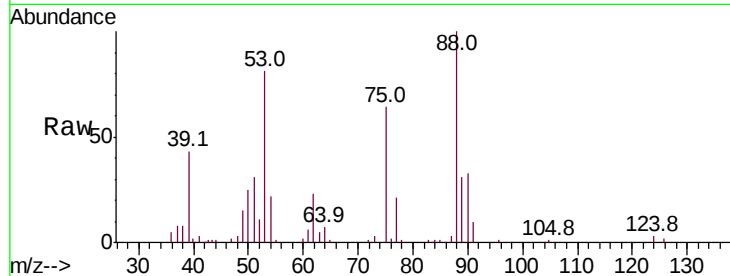
#81
trans-1,4-Dichloro-2-butene
Concen: 57.379 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	125.5	97.8	146.8
89	47.6	39.4	59.2

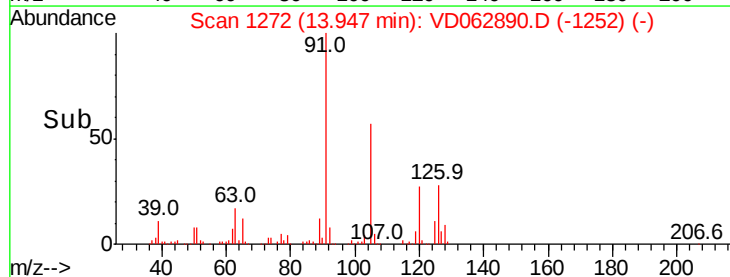
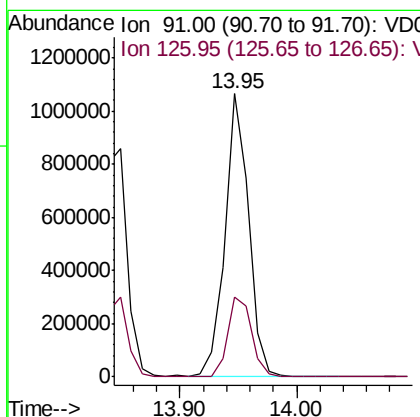
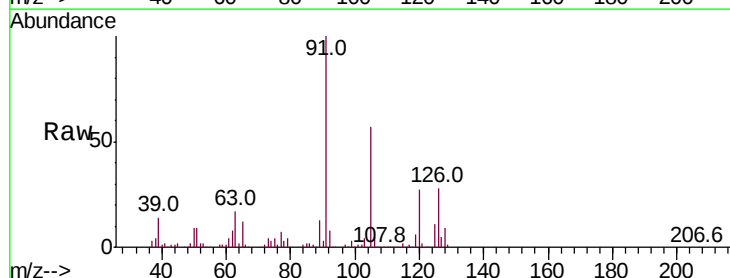
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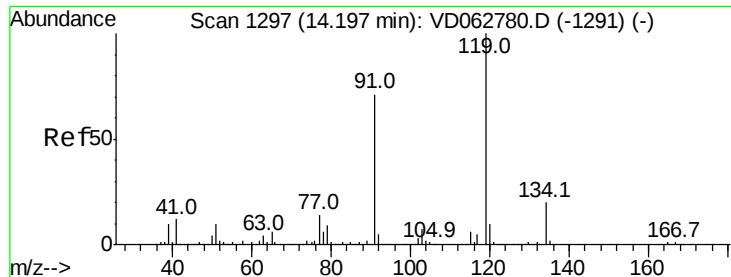
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#82
4-Chlorotoluene
Concen: 55.959 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.3	16.0	47.9





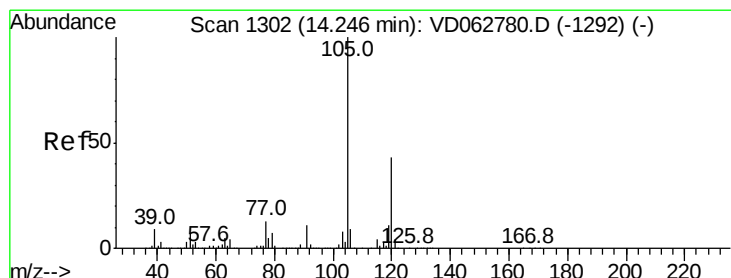
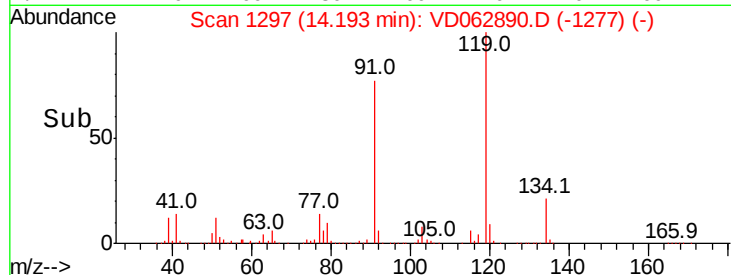
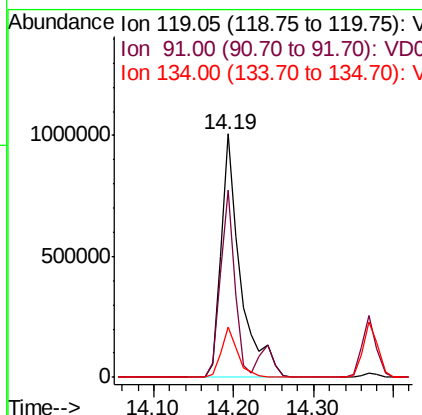
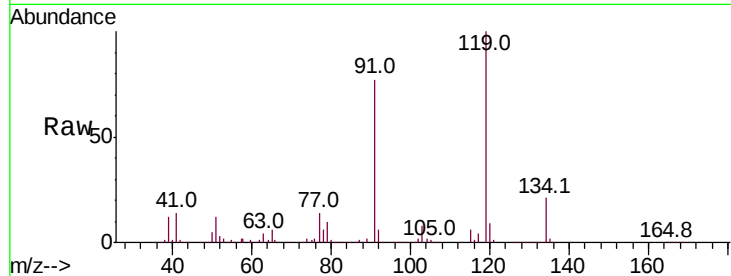
#83
tert-Butylbenzene
Concen: 55.420 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 1720893
Ion Ratio Lower Upper
119 100
91 77.1 35.5 106.5
134 20.7 10.2 30.6

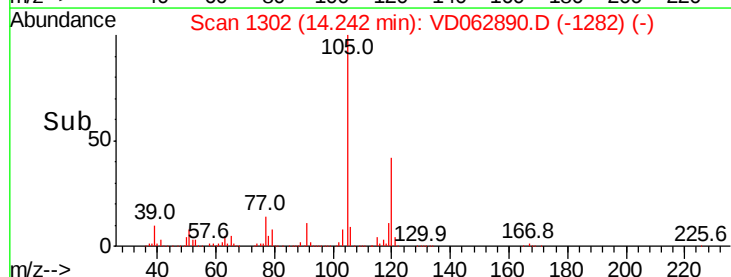
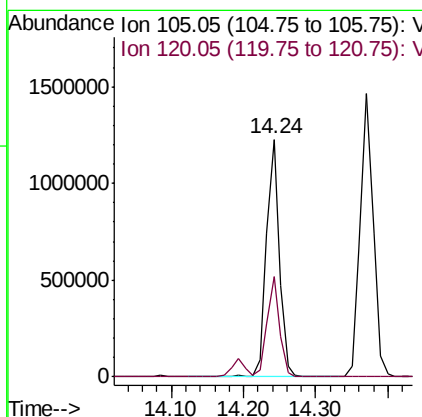
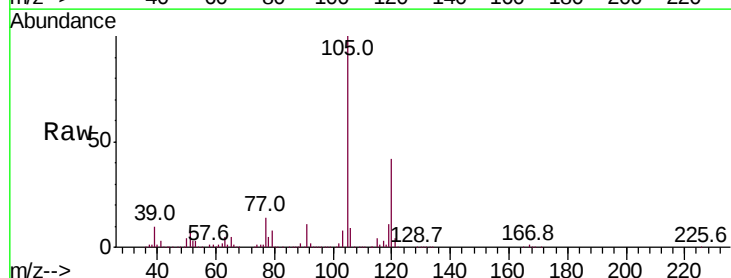
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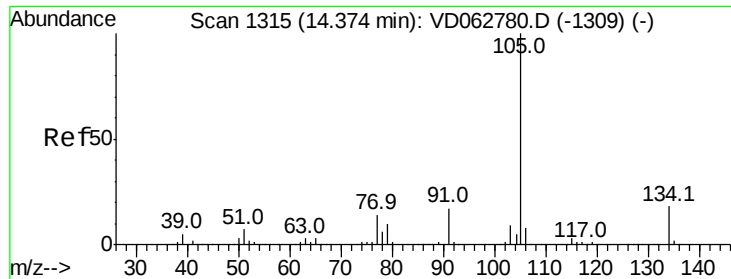
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#84
1,2,4-Trimethylbenzene
Concen: 54.360 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion:105 Resp: 1552154
Ion Ratio Lower Upper
105 100
120 42.0 21.3 63.9





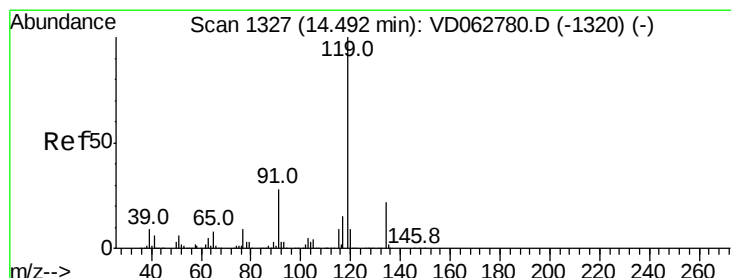
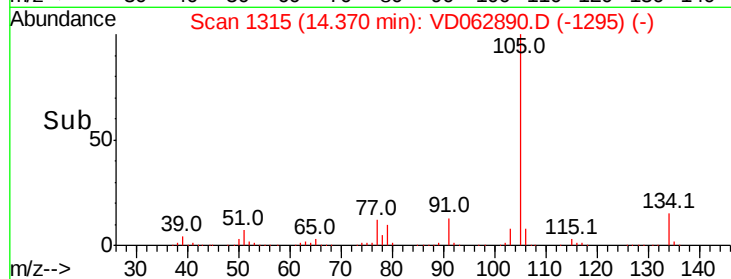
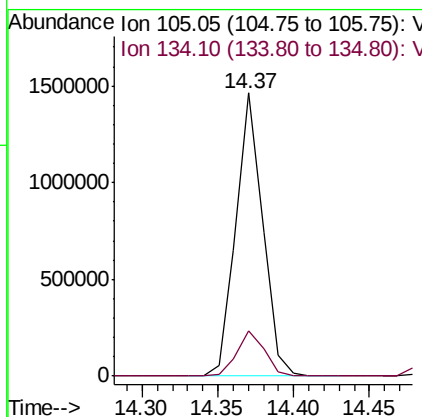
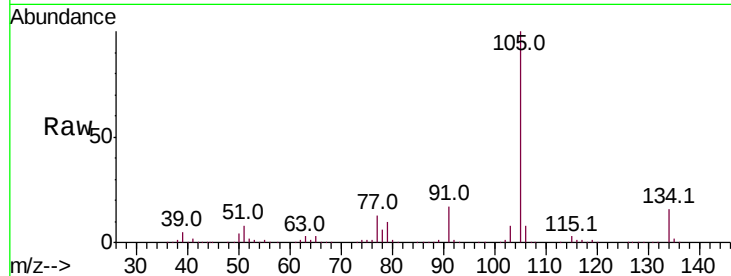
#85
 sec-Butylbenzene
 Concen: 53.104 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1792219
 Ion Ratio Lower Upper
 105 100
 134 15.8 9.1 27.3

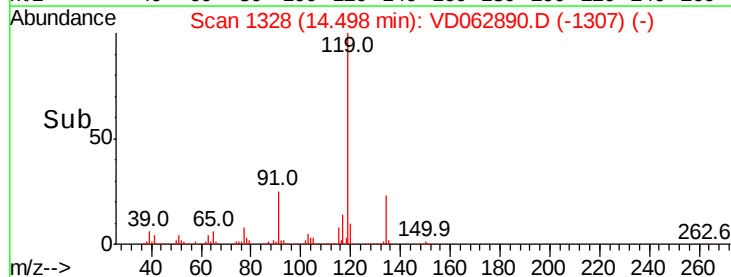
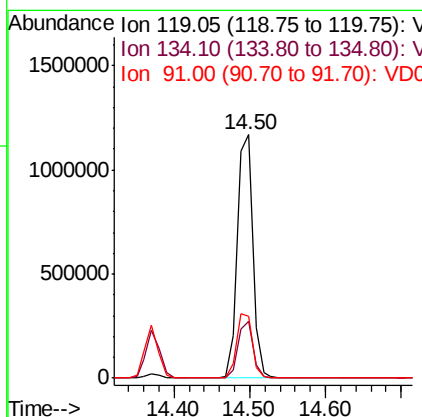
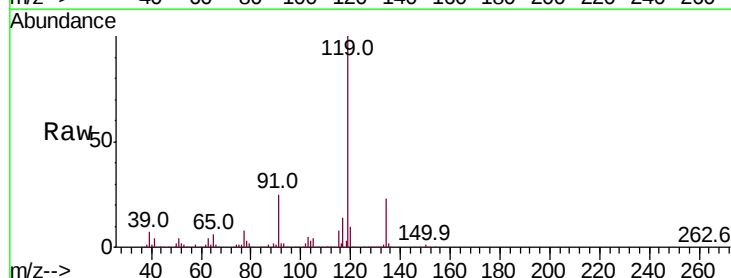
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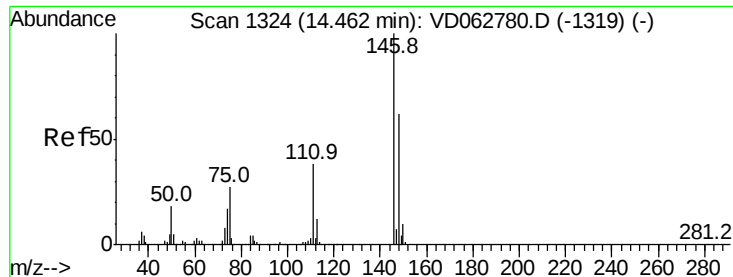
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 6/27/2019 12:44:50 AM



#86
 p-Isopropyltoluene
 Concen: 52.937 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Tgt Ion:119 Resp: 1634444
 Ion Ratio Lower Upper
 119 100
 134 23.2 11.1 33.1
 91 25.3 14.0 41.9





#87

1,3-Dichlorobenzene

Concen: 54.577 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VD062890.D

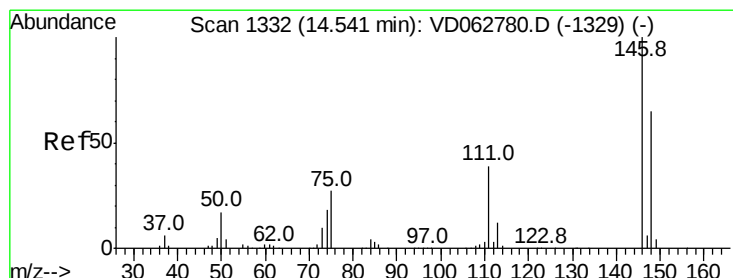
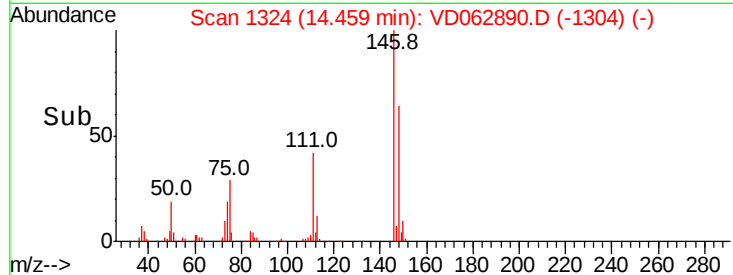
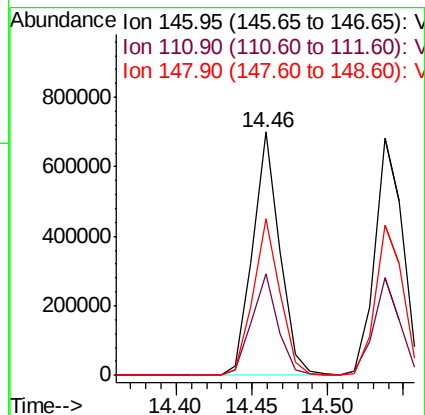
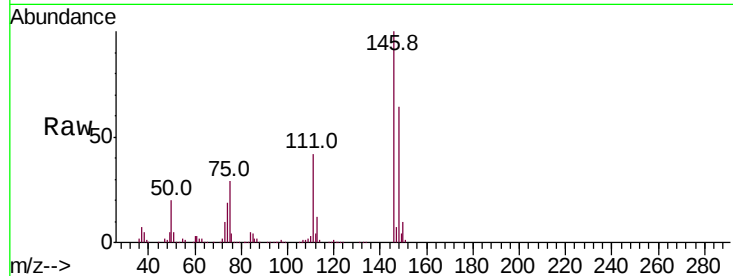
Acq: 25 Jun 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	19.0	57.0
148	64.2	30.8	92.3

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#88

1,4-Dichlorobenzene

Concen: 55.052 ug/l

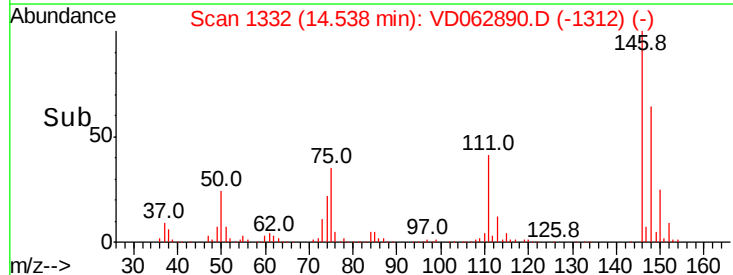
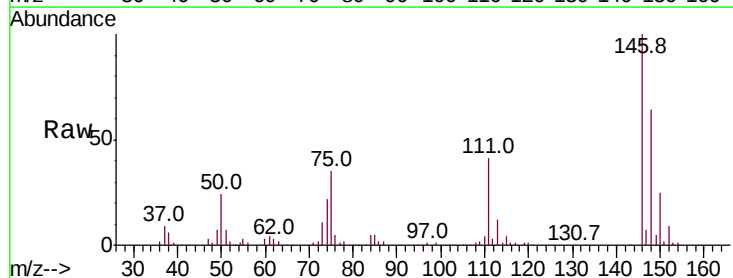
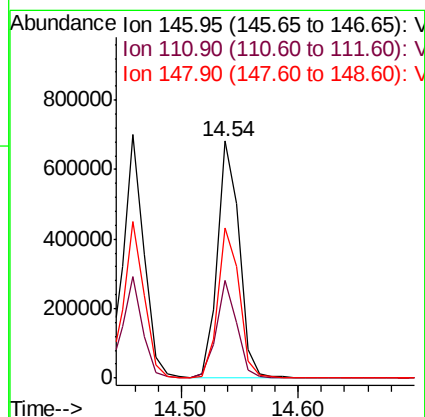
RT: 14.54 min Scan# 1332

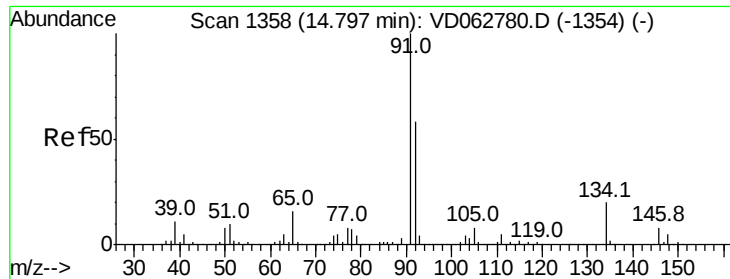
Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	19.7	59.1
148	63.6	32.8	98.3





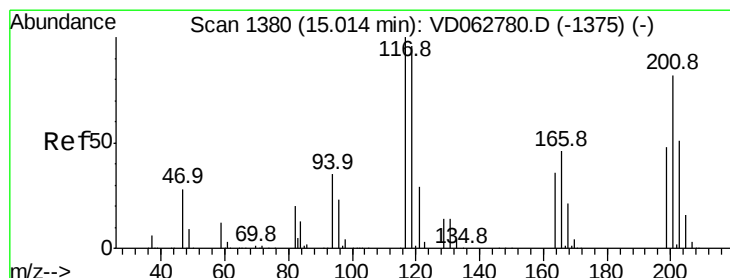
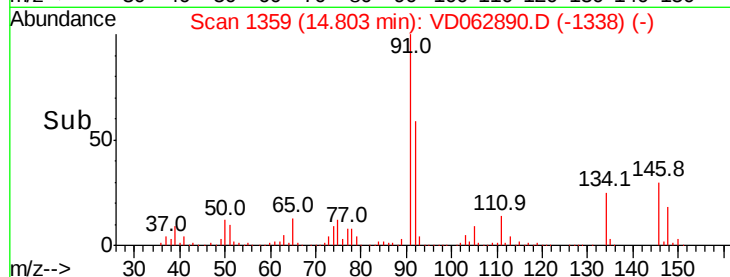
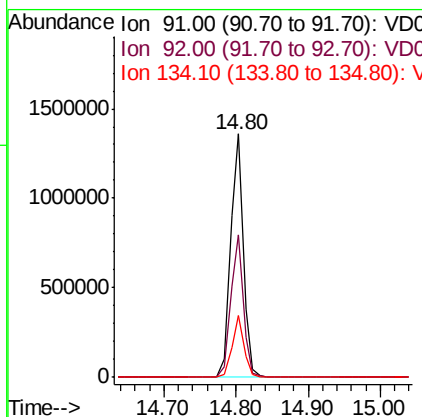
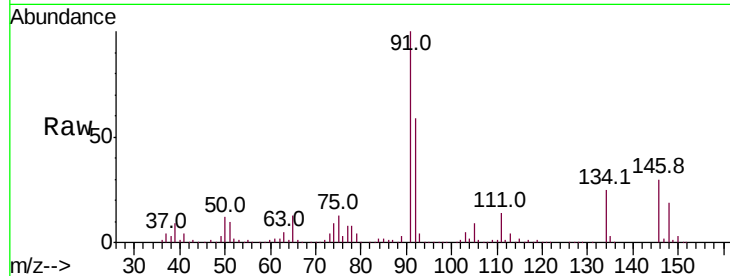
#89
n-Butylbenzene
Concen: 57.553 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.8	28.9	86.7
134	25.4	10.1	30.3

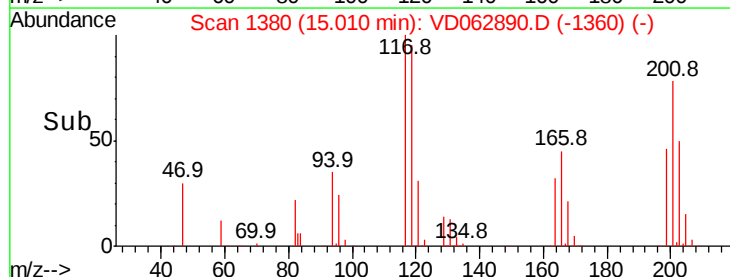
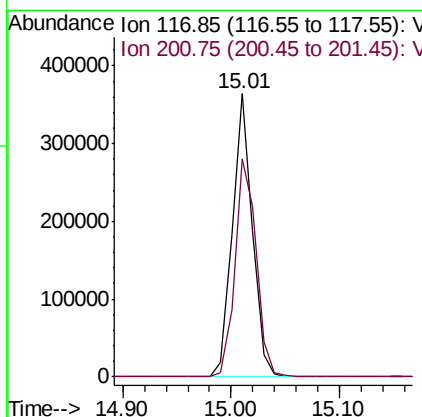
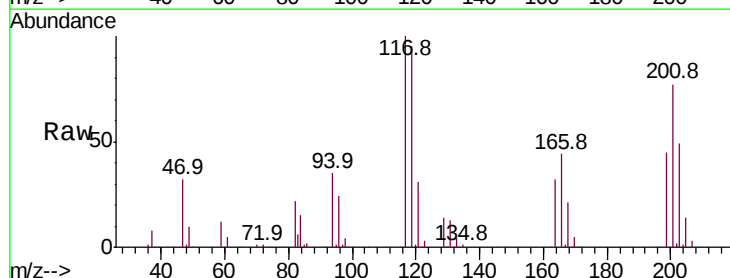
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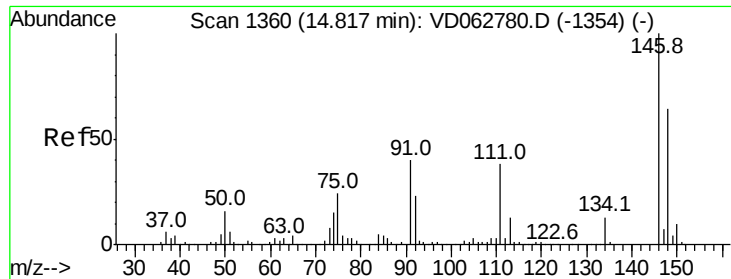
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#90
Hexachloroethane
Concen: 56.324 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.1	40.8	122.2





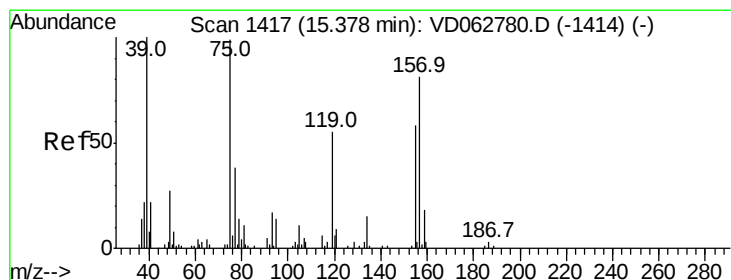
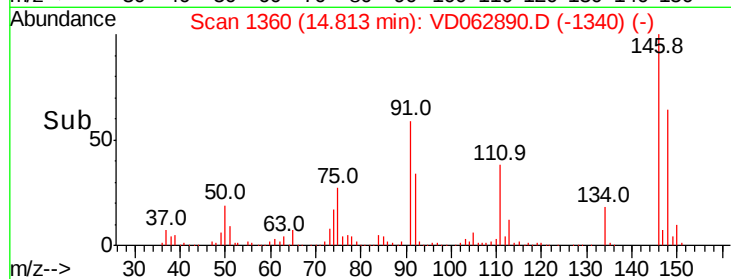
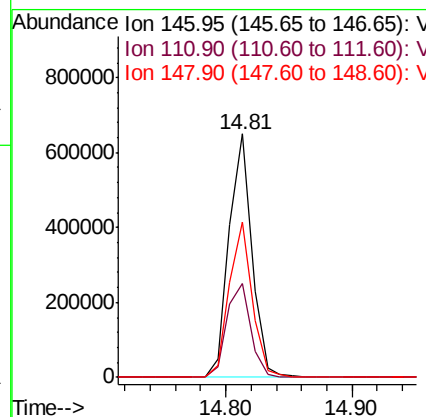
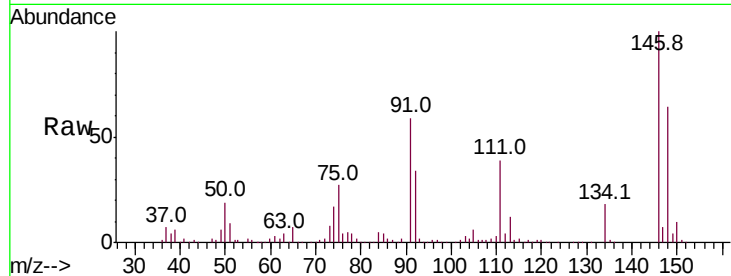
#91
 1,2-Dichlorobenzene
 Concen: 59.494 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	146	Resp:	813967
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.1	57.1
148	63.9	32.3	96.8

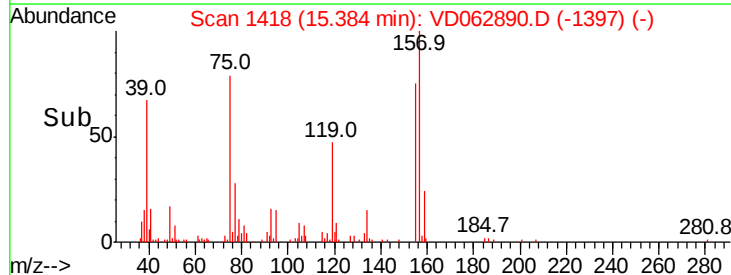
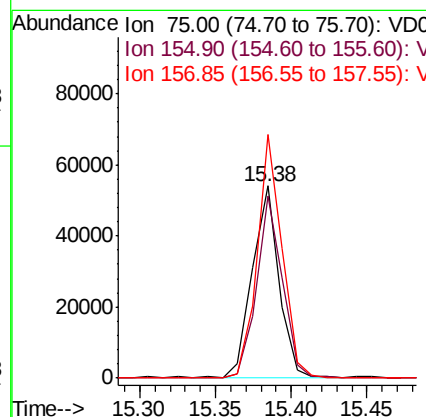
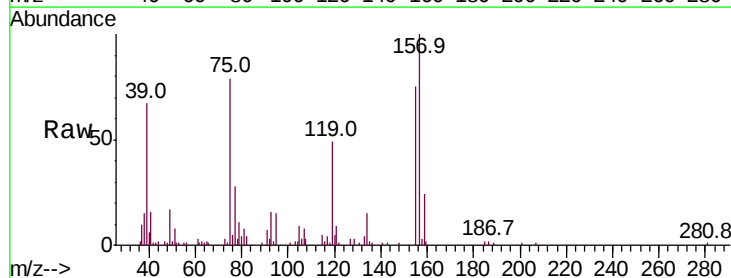
Manual Integrations
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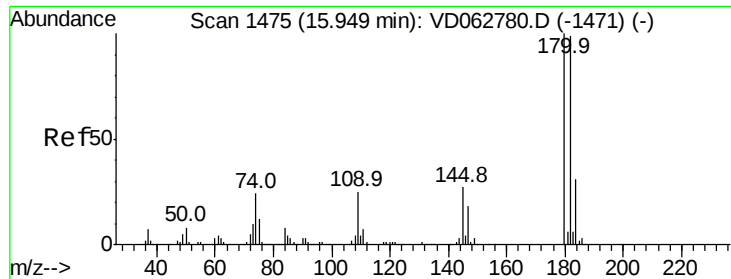
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 63.199 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Tgt Ion:	75	Resp:	66657
Ion Ratio	Lower	Upper	
75	100		
155	94.9	29.3	87.8#
157	126.7	41.3	123.7#





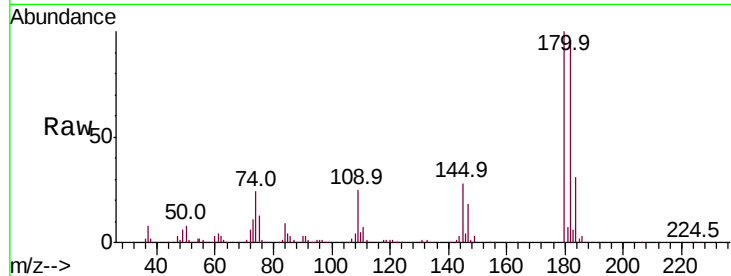
#93
 1,2,4-Trichlorobenzene
 Concen: 59.067 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

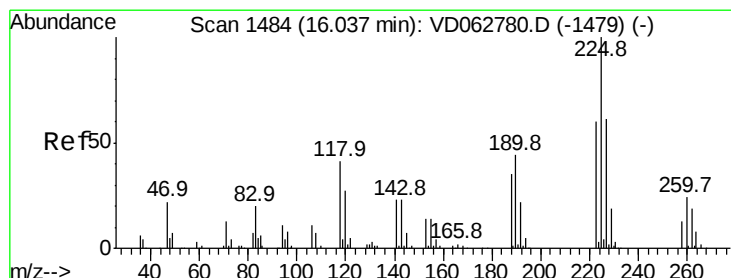
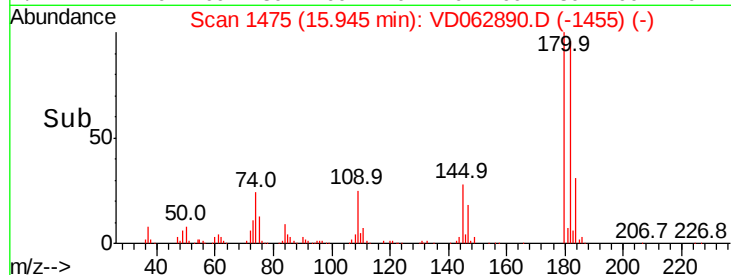
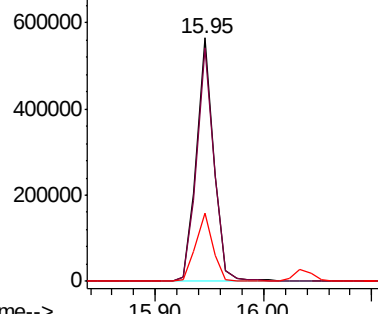
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	49.5	148.5
145	27.9	13.7	41.0

Manual Integrations
 APPROVED

MMDadoda
 6/27/2019 12:44:50 AM

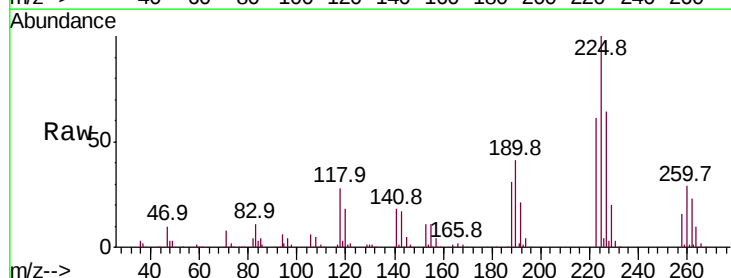


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

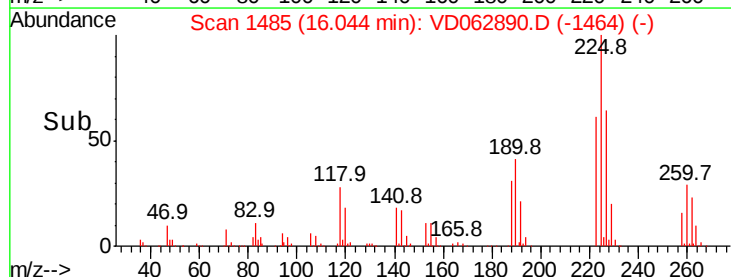
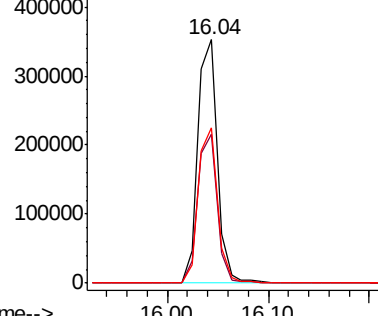


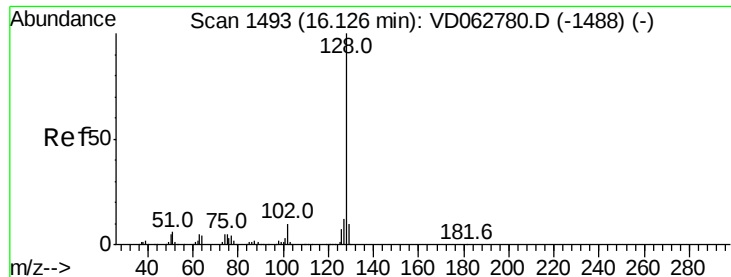
#94
 Hexachlorobutadiene
 Concen: 58.455 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	29.8	89.5
227	63.5	30.6	91.6



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





#95

Naphthalene

Concen: 62.858 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

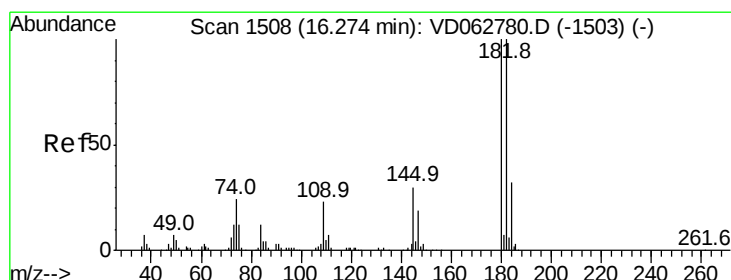
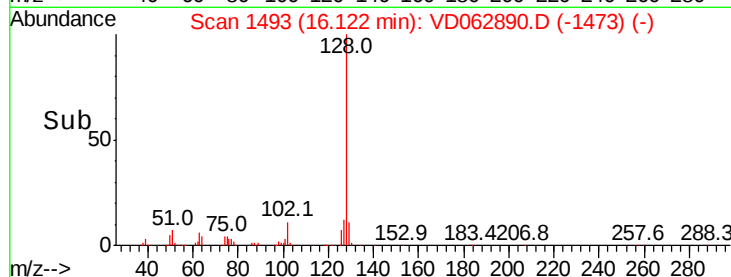
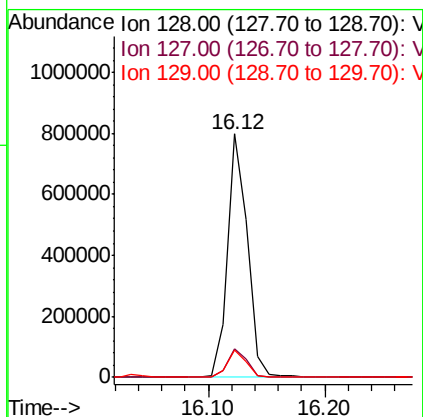
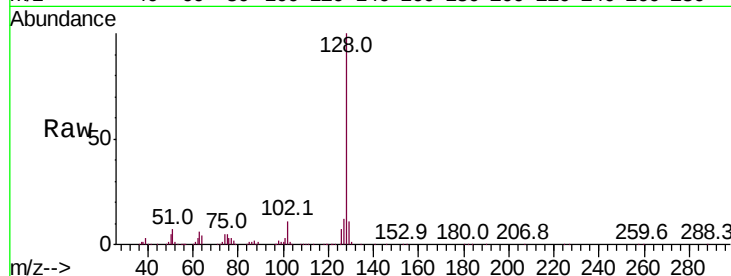
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	941580
Ion Ratio	Lower	Upper	
128	100		
127	11.8	9.7	14.5
129	11.1	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
6/27/2019 12:44:50 AM



#96

1,2,3-Trichlorobenzene

Concen: 61.611 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Tgt Ion:	180	Resp:	505917
Ion Ratio	Lower	Upper	
180	100		
182	96.6	49.9	149.6
145	30.1	15.2	45.5

