

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062870.D
 Acq On : 25 Jun 2019 9:20
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/27/2019 12:44:49 AM

Quant Time: Jun 26 05:46:53 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	917866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1272393	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1007007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	588335	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	461341	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	
35) Dibromofluoromethane	6.93	113	502451	46.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.66%	
50) Toluene-d8	10.43	98	1119014	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
62) 4-Bromofluorobenzene	13.57	95	512624	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	562254	47.338	ug/l	99
3) Chloromethane	1.75	50	428221	47.939	ug/l	96
4) Vinyl Chloride	1.85	62	453043	51.153	ug/l	98
5) Bromomethane	2.16	94	175731	42.368	ug/l	98
6) Chloroethane	2.27	64	197103	49.156	ug/l #	89
7) Trichlorofluoromethane	2.54	101	952463	53.139	ug/l	100
8) Diethyl Ether	2.87	74	122158	53.639	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.15	101	511532	52.679	ug/l	97
10) Methyl Iodide	3.31	142	629605	49.146	ug/l	100
11) Tert butyl alcohol	4.10	59	109442	240.848	ug/l	100
12) 1,1-Dichloroethene	3.13	96	374794	51.451	ug/l	89
13) Acrolein	3.04	56	124706	268.826	ug/l	97
14) Allyl chloride	3.62	41	570882	53.038	ug/l	97
15) Acrylonitrile	4.20	53	287487	269.253	ug/l	94
16) Acetone	3.23	43	553658	274.327	ug/l	99
17) Carbon Disulfide	3.38	76	1129163	48.501	ug/l	97
18) Methyl Acetate	3.65	43	154335	51.243	ug/l	99
19) Methyl tert-butyl Ether	4.25	73	888966	56.372	ug/l	98
20) Methylene Chloride	3.82	84	368853	48.476	ug/l	91
21) trans-1,2-Dichloroethene	4.22	96	415934	53.625	ug/l	96
22) Diisopropyl ether	5.13	45	1166002	53.268	ug/l	94
23) Vinyl Acetate	5.07	43	3770664	275.287	ug/l	99
24) 1,1-Dichloroethane	4.99	63	738089	51.789	ug/l	98
25) 2-Butanone	6.08	43	538928	288.812	ug/l #	92
26) 2,2-Dichloropropane	6.03	77	847039	56.072	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	450733	54.952	ug/l	94
28) Bromochloromethane	6.45	49	235433	46.904	ug/l	88
29) Tetrahydrofuran	6.48	42	240823	272.769	ug/l	97
30) Chloroform	6.67	83	914500	52.763	ug/l	93
31) Cyclohexane	6.97	56	500812	53.453	ug/l	91
32) 1,1,1-Trichloroethane	6.88	97	961664	53.269	ug/l	96
36) 1,1-Dichloropropene	7.16	75	597033	49.567	ug/l	93
37) Ethyl Acetate	6.20	43	251646	49.729	ug/l	98
38) Carbon Tetrachloride	7.12	117	954670m	52.700	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	510065	48.108	ug/l	95
40) Benzene	7.47	78	1234589	51.062	ug/l	98
41) Methacrylonitrile	6.46	41	332444	52.336	ug/l	98
42) 1,2-Dichloroethane	7.59	62	694224	52.634	ug/l	98
43) Isopropyl Acetate	9.25	43	355309	56.266	ug/l	98
44) Trichloroethene	8.55	130	496626	52.393	ug/l	97
45) 1,2-Dichloropropane	8.95	63	318083	52.908	ug/l	95
46) Dibromomethane	9.08	93	269339	52.153	ug/l	92
47) Bromodichloromethane	9.38	83	711642	53.058	ug/l	98
48) Methyl methacrylate	9.14	41	228747	50.974	ug/l	94
49) 1,4-Dioxane	9.10	88	44325	1187.247	ug/l	90
51) 4-Methyl-2-Pentanone	10.32	43	1156195	258.244	ug/l	98
52) Toluene	10.52	92	823399	50.663	ug/l	100
53) t-1,3-Dichloropropene	10.93	75	583831	53.182	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	631712	52.942	ug/l	92
55) 1,1,2-Trichloroethane	11.20	97	278545	49.885	ug/l	98
56) Ethyl methacrylate	11.06	69	306701	51.397	ug/l	99
57) 1,3-Dichloropropane	11.42	76	451249	52.780	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	844963	275.815	ug/l	99
59) 2-Hexanone	11.54	43	881242	276.375	ug/l	96
60) Dibromochloromethane	11.69	129	548755	52.762	ug/l	93
61) 1,2-Dibromoethane	11.81	107	362754	55.007	ug/l	97
64) Tetrachloroethene	11.27	164	427352	51.563	ug/l	97
65) Chlorobenzene	12.40	112	1051372	56.256	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	489218	55.974	ug/l	94
67) Ethyl Benzene	12.53	91	1872104	55.794	ug/l	99
68) m/p-Xylenes	12.68	106	1304325	111.609	ug/l	92
69) o-Xylene	13.05	106	651397	60.974	ug/l	98
70) Styrene	13.07	104	1072211	57.140	ug/l	97
71) Bromoform	13.24	173	349579	58.378	ug/l #	96
73) Isopropylbenzene	13.41	105	1885330	49.978	ug/l	100
74) N-amyl acetate	13.27	43	489068	53.386	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	316360	51.471	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	347544	51.170	ug/l	96
77) Bromobenzene	13.67	156	523804	51.625	ug/l	92
78) n-propylbenzene	13.78	91	2287907	52.109	ug/l	98
79) 2-Chlorotoluene	13.85	91	1240773	49.450	ug/l	92
80) 1,3,5-Trimethylbenzene	13.94	105	1502496	47.418	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	90653	50.927	ug/l	92
82) 4-Chlorotoluene	13.95	91	1451516	48.051	ug/l	96
83) tert-Butylbenzene	14.20	119	1867869	52.886	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	1708989	52.622	ug/l	99
85) sec-Butylbenzene	14.37	105	1974157	51.428	ug/l	96
86) p-Isopropyltoluene	14.49	119	1748104	49.779	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	939593	51.660	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	944198	51.686	ug/l	98
89) n-Butylbenzene	14.81	91	1751766	53.296	ug/l	93
90) Hexachloroethane	15.01	117	497006	52.637	ug/l	93
91) 1,2-Dichlorobenzene	14.82	146	830234	53.352	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	61417	51.196	ug/l #	51

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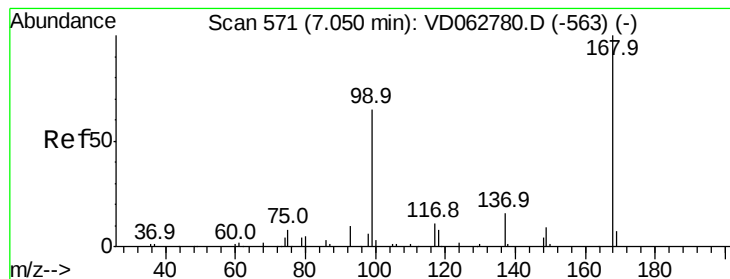
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	651415	53.588	ug/l	97
94) Hexachlorobutadiene	16.05	225	478461	51.522	ug/l	96
95) Naphthalene	16.12	128	847030	49.715	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	453920	48.600	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: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 917866

Ion Ratio Lower Upper

168 100

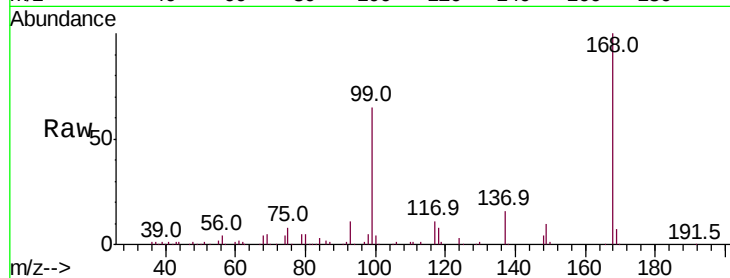
99 65.0 53.0 79.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

300000

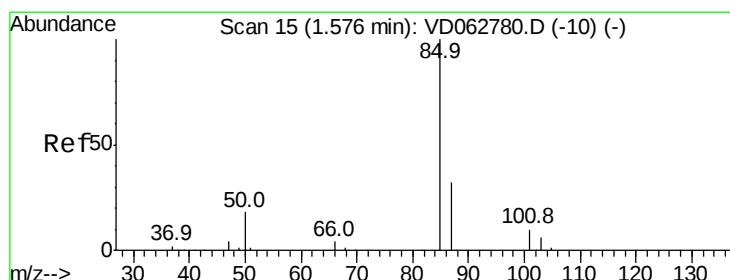
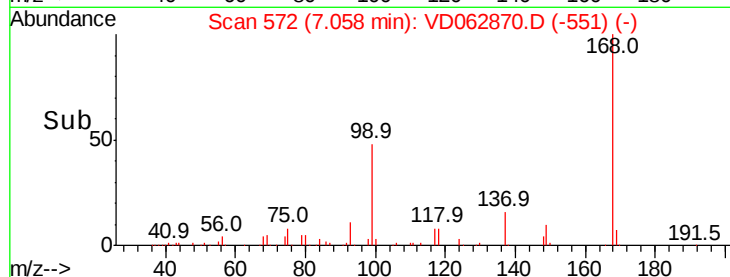
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 47.338 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062870.D

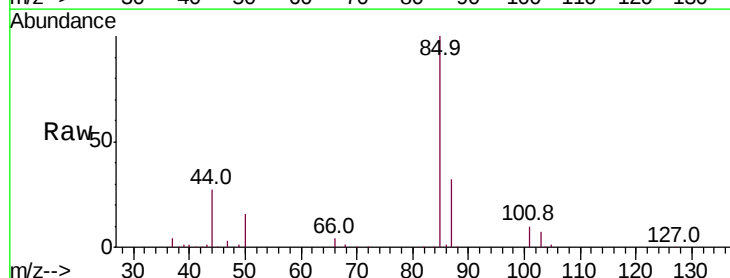
Acq: 25 Jun 2019 9:20

Tgt Ion: 85 Resp: 562254

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

200000

150000

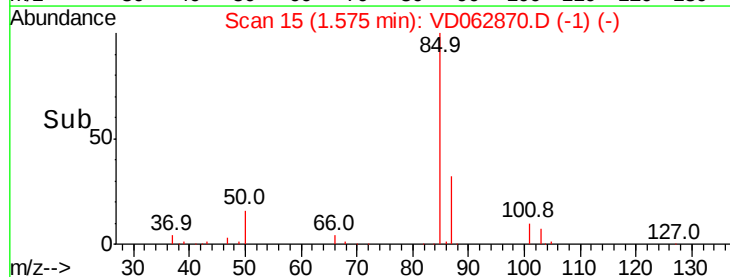
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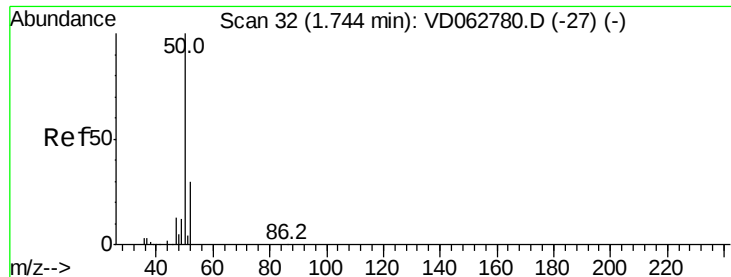
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 47.939 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 428221

Ion Ratio Lower Upper

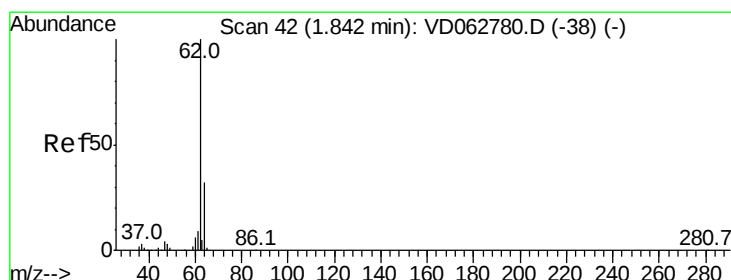
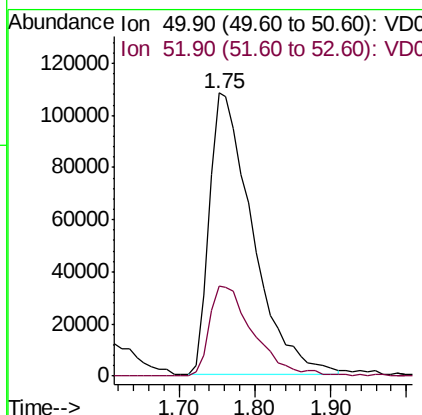
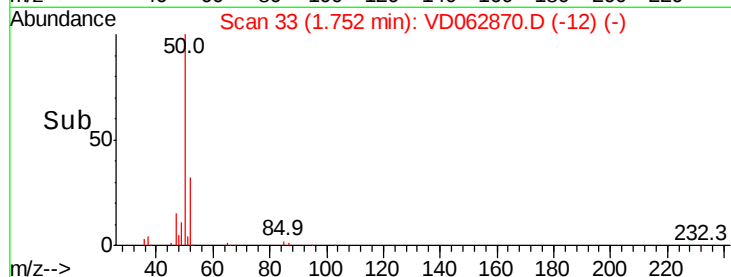
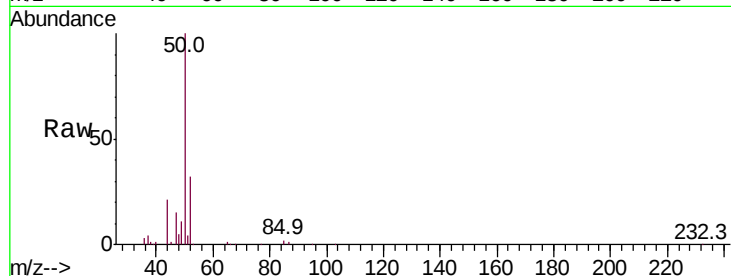
50 100

52 31.9 23.6 35.4

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6/27/2019 12:44:49 AM



#4

Vinyl Chloride

Concen: 51.153 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062870.D

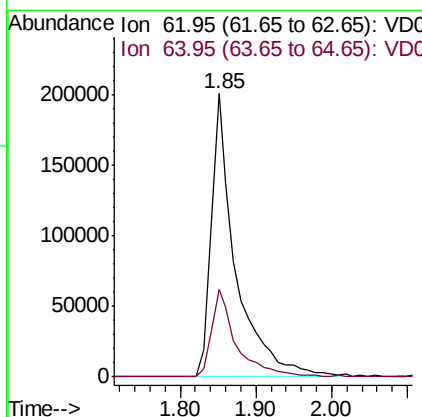
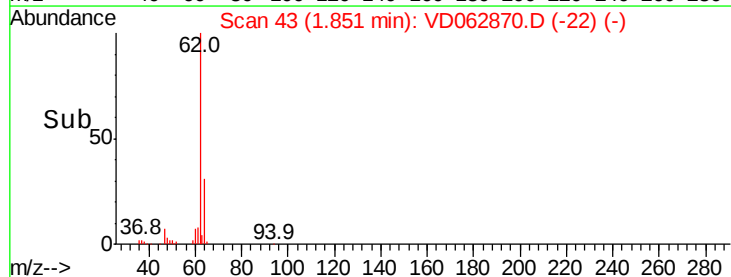
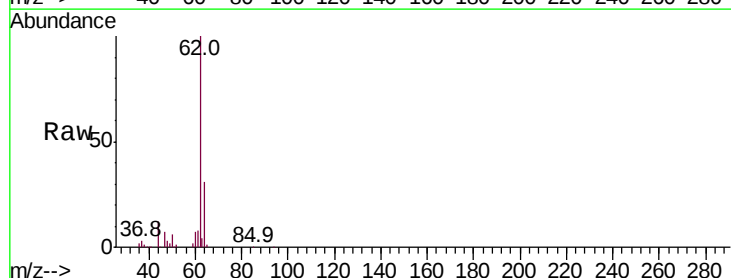
Acq: 25 Jun 2019 9:20

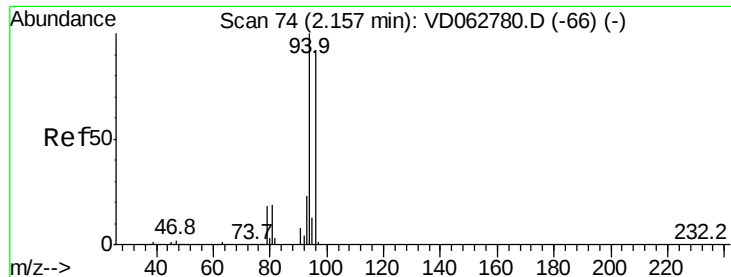
Tgt Ion: 62 Resp: 453043

Ion Ratio Lower Upper

62 100

64 31.0 25.6 38.4





#5

Bromomethane

Concen: 42.368 ug/l

RT: 2.16 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

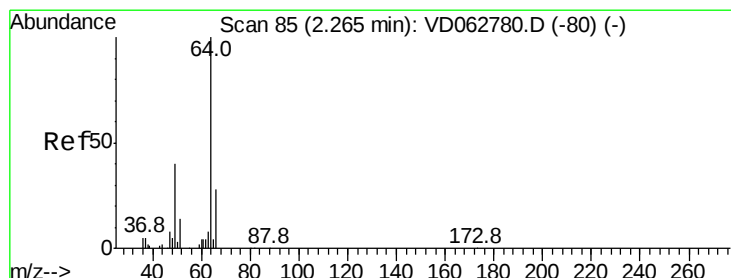
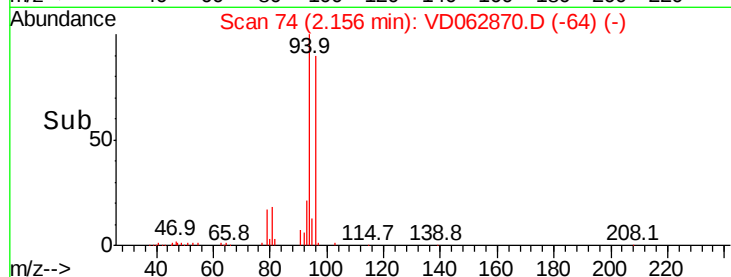
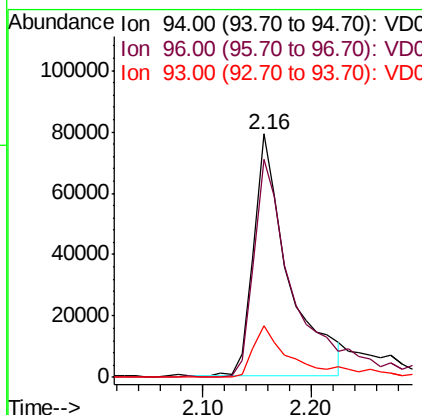
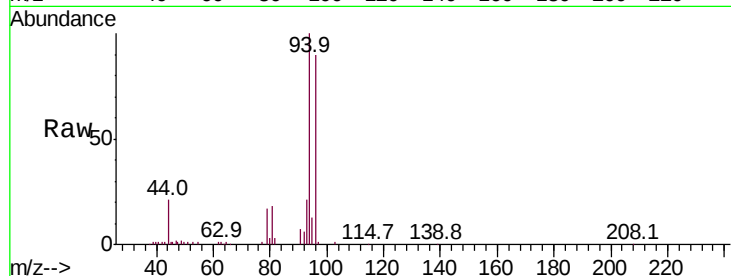
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	175731
Ion	Ratio	Lower	Upper
94	100		
96	89.8	73.4	110.2
93	21.0	18.2	27.4

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6/27/2019 12:44:49 AM



#6

Chloroethane

Concen: 49.156 ug/l

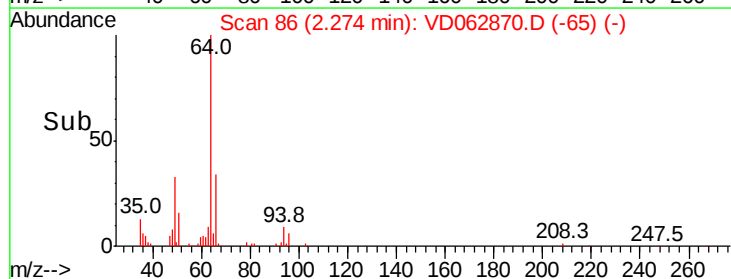
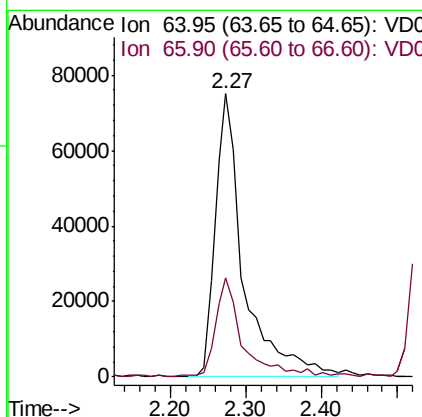
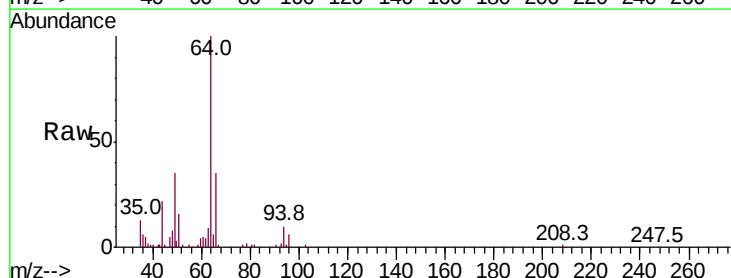
RT: 2.27 min Scan# 86

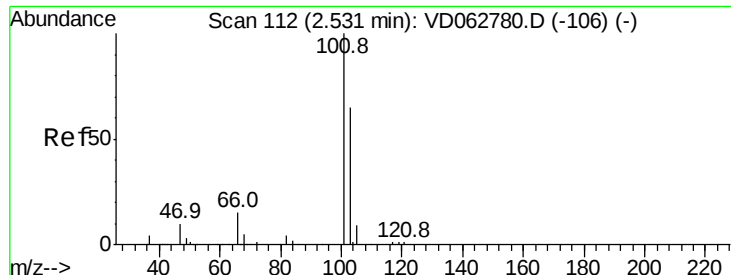
Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Tgt Ion:	64	Resp:	197103
Ion	Ratio	Lower	Upper
64	100		
66	34.8	23.0	34.4#





#7

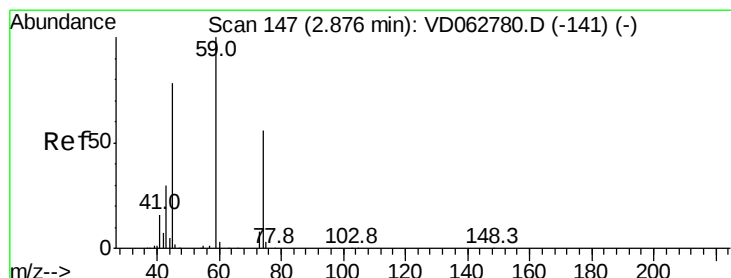
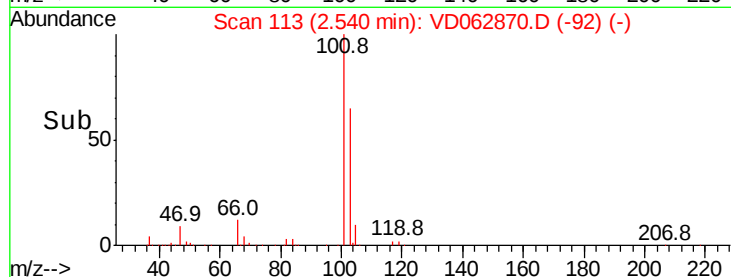
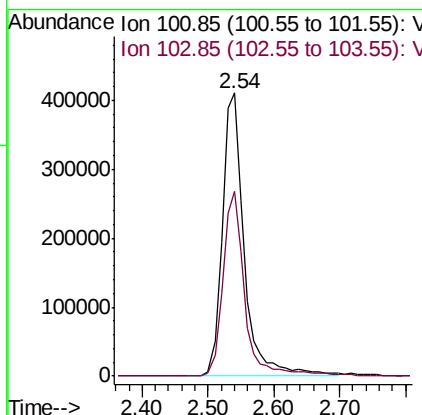
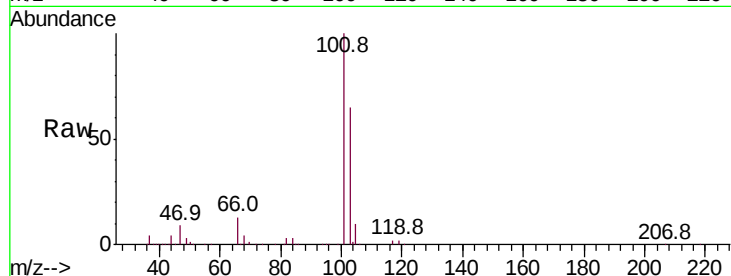
Trichlorofluoromethane
 Concen: 53.139 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: VD062870.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.8	77.8

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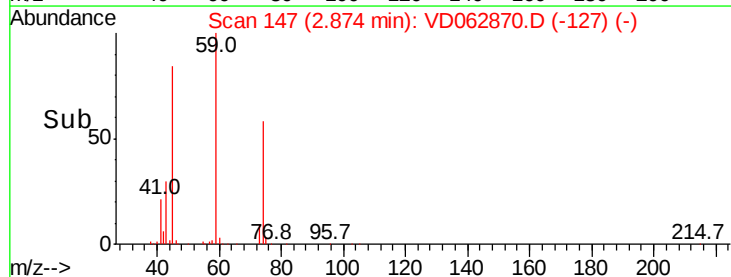
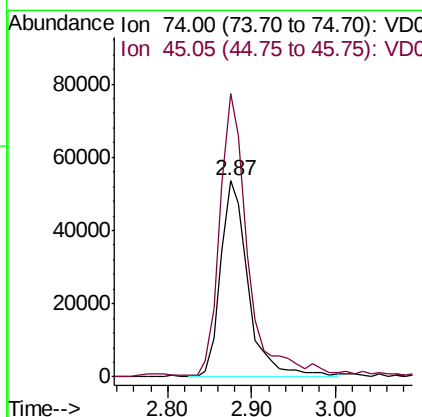
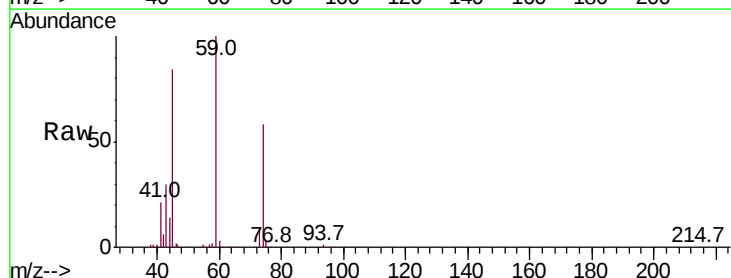
MMDadoda
 6/27/2019 12:44:49 AM

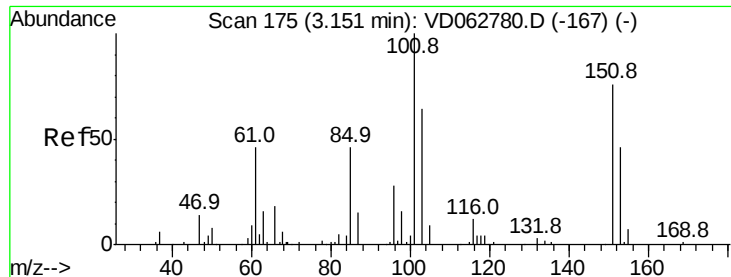


#8

Diethyl Ether
 Concen: 53.639 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	144.2	70.2	210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.679 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

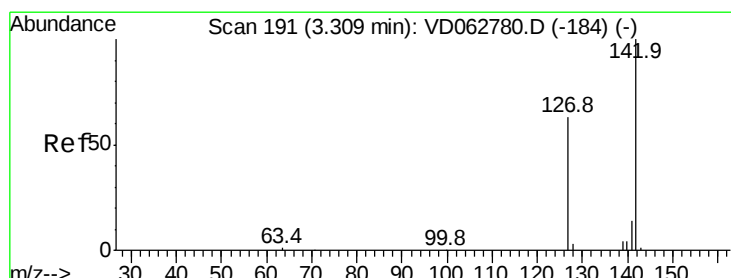
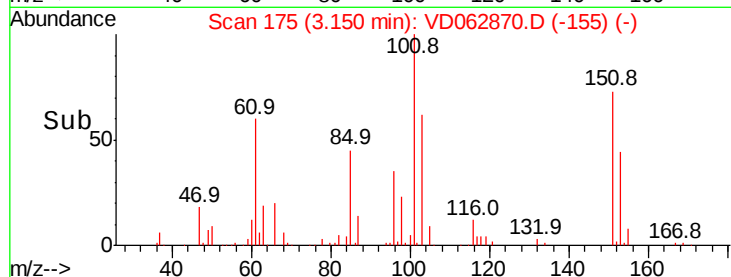
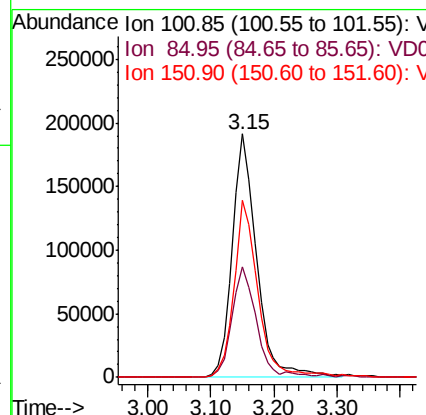
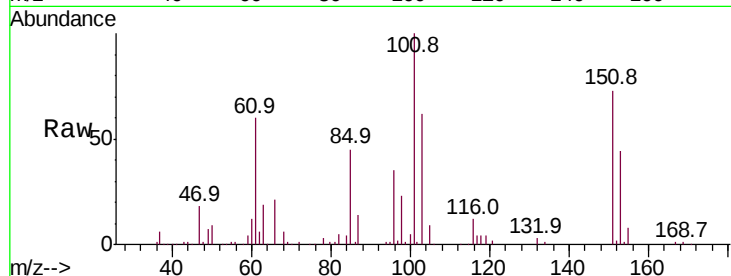
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	511532
Ion Ratio	Lower	Upper	
101	100		
85	45.2	37.0	55.4
151	72.6	60.5	90.7

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#10

Methyl Iodide

Concen: 49.146 ug/l

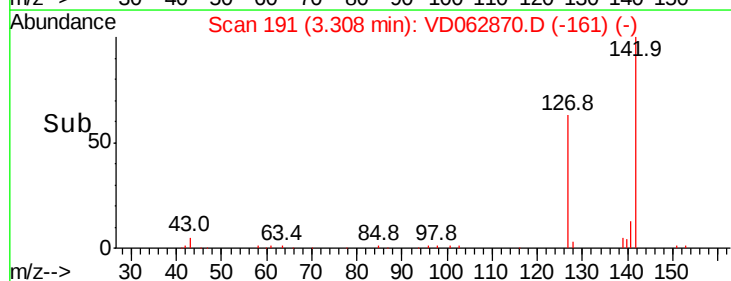
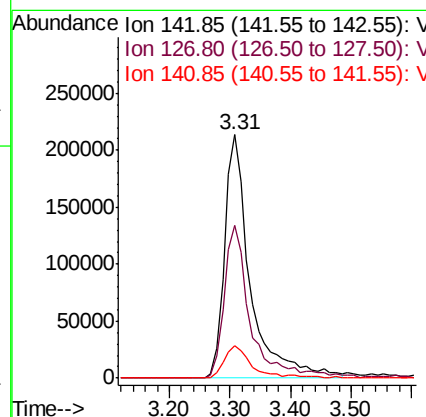
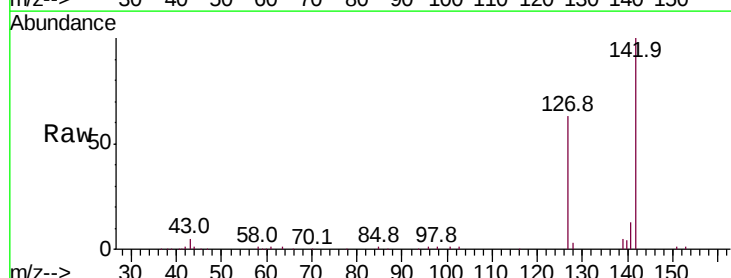
RT: 3.31 min Scan# 191

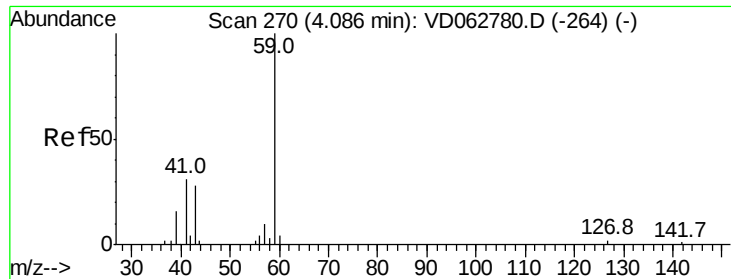
Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Tgt Ion:	142	Resp:	629605
Ion Ratio	Lower	Upper	
142	100		
127	62.6	50.1	75.1
141	13.4	11.0	16.4





#11

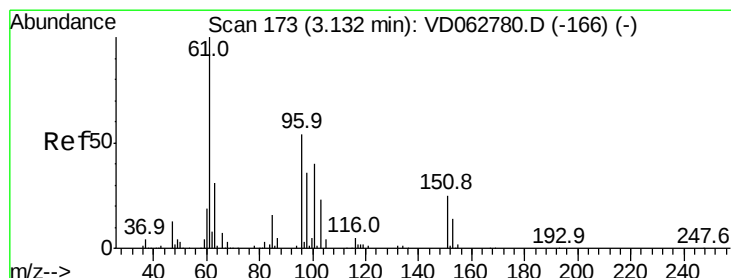
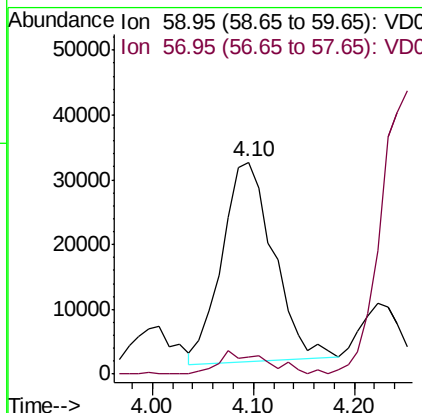
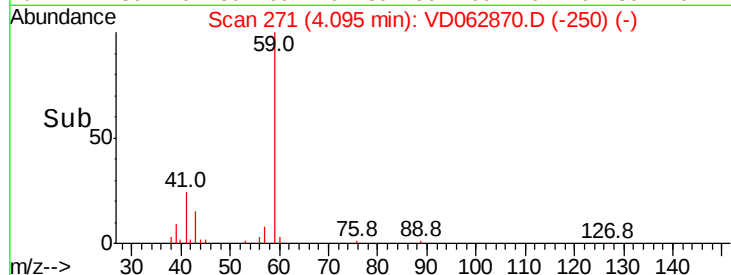
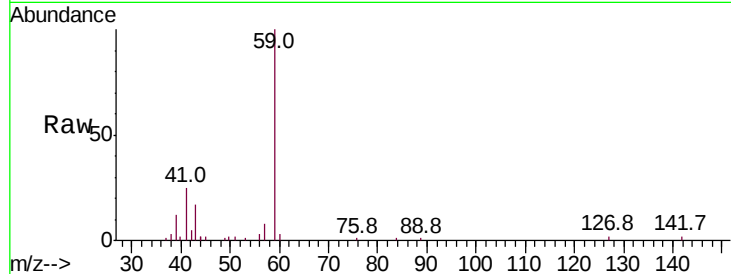
Tert butyl alcohol
Concen: 240.848 ug/l
RT: 4.10 min Scan# 271
Delta R.T. 0.01 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	109442
Ion Ratio	100	Lower	Upper
57	8.3	6.6	10.0

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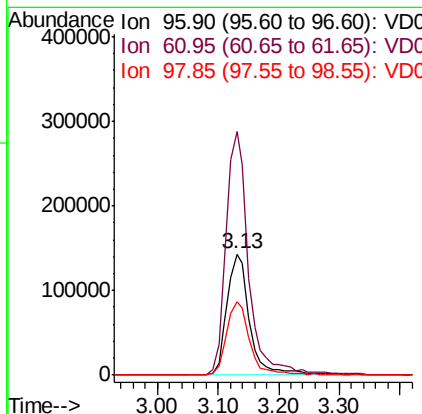
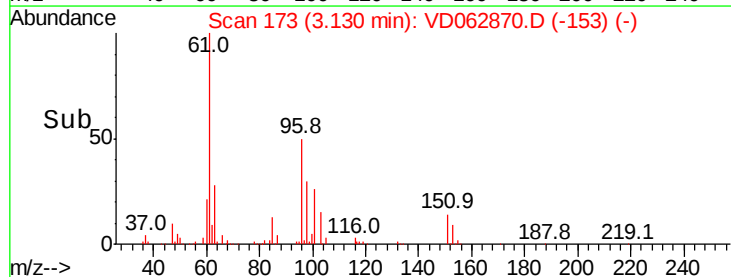
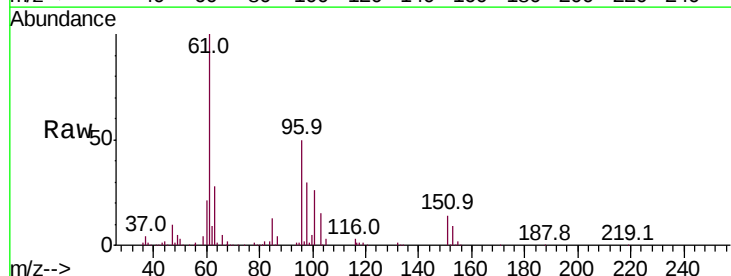
MMDadoda
6/27/2019 12:44:49 AM

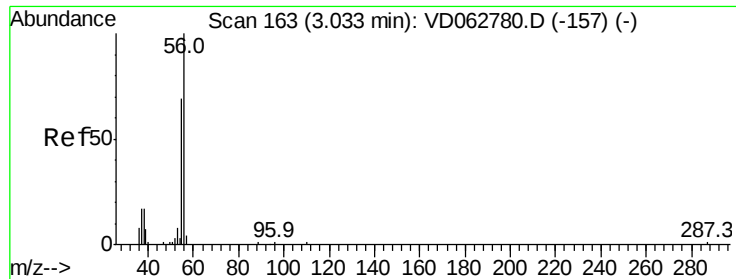


#12

1,1-Dichloroethene
Concen: 51.451 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Tgt Ion	96	Resp	374794
Ion Ratio	100	Lower	Upper
61	201.4	147.1	220.7
98	60.3	52.6	79.0





#13

Acrolein

Concen: 268.826 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 124706

Ion Ratio Lower Upper

56 100

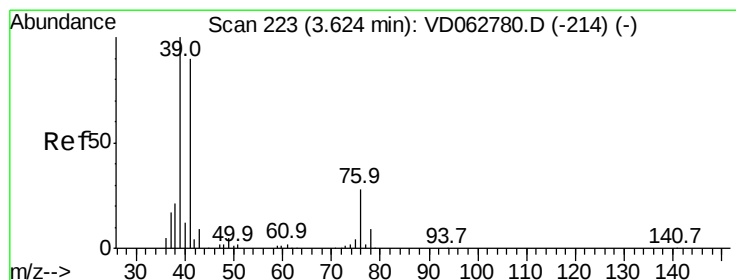
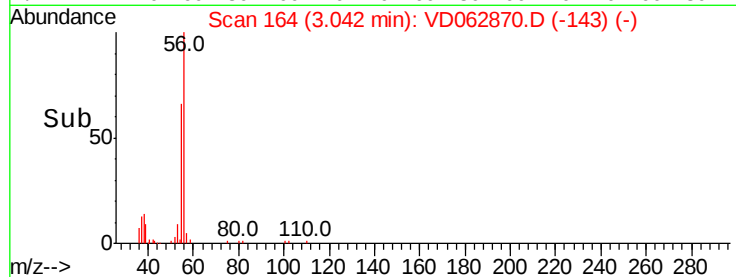
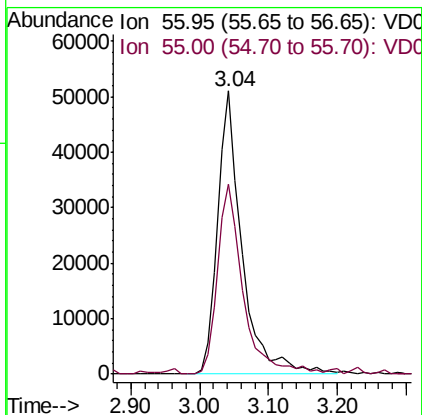
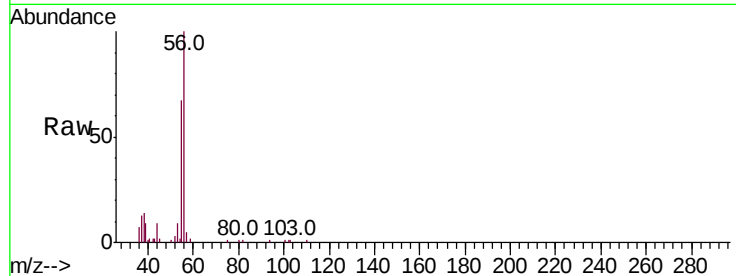
55 67.1 55.4 83.0

Manual Integrations

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#14

Allyl chloride

Concen: 53.038 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

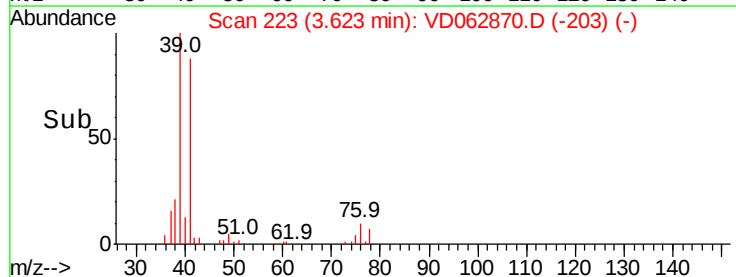
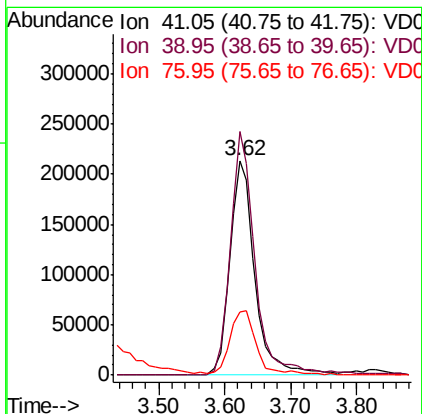
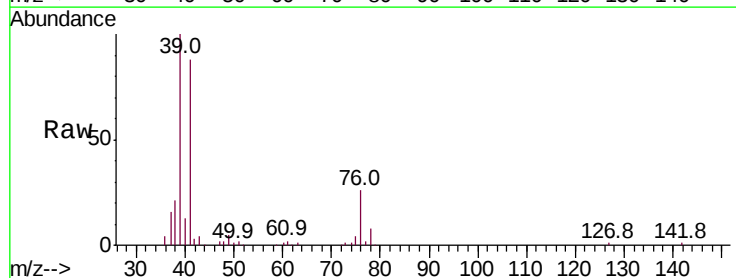
Tgt Ion: 41 Resp: 570882

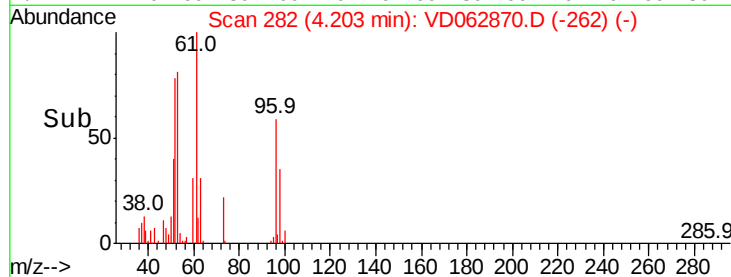
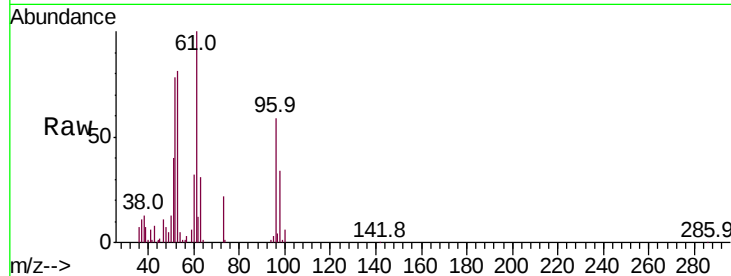
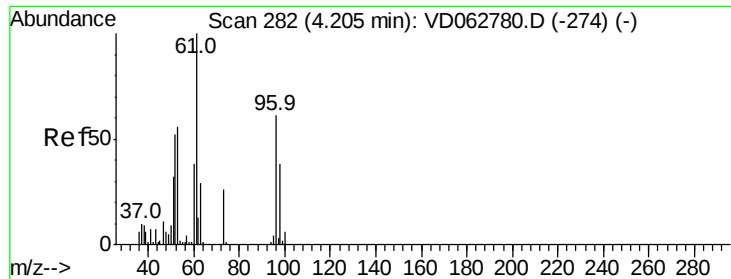
Ion Ratio Lower Upper

41 100

39 113.5 88.8 133.2

76 29.7 26.7 40.1





#15

Acrylonitrile

Concen: 269.253 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD062870.D

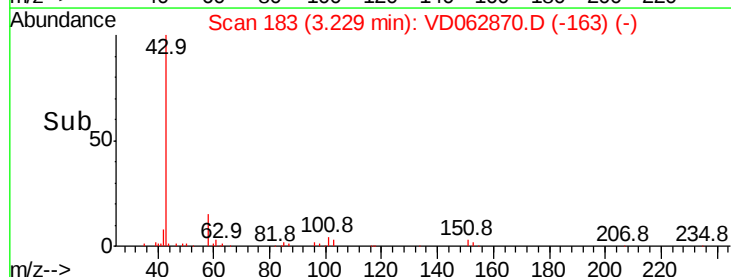
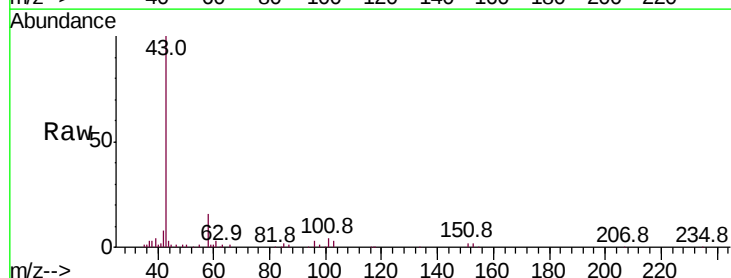
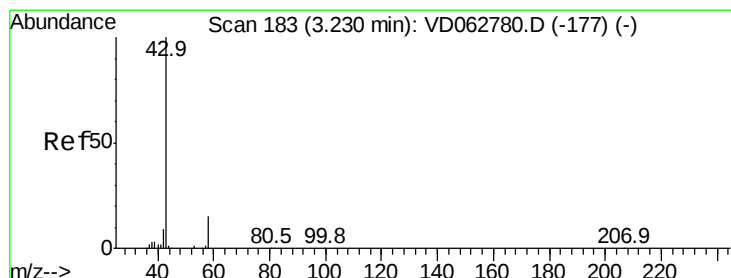
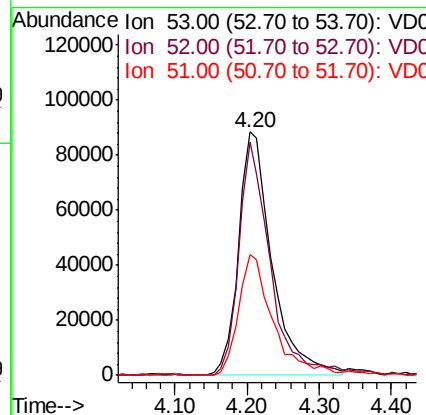
Acq: 25 Jun 2019 9:20

Tot Ion:	53	Resp:	287487
Ion	Ratio	Lower	Upper
53	100		
52	95.8	73.3	109.9
51	49.4	44.8	67.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
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#16

Acetone

Concen: 274.327 ug/l

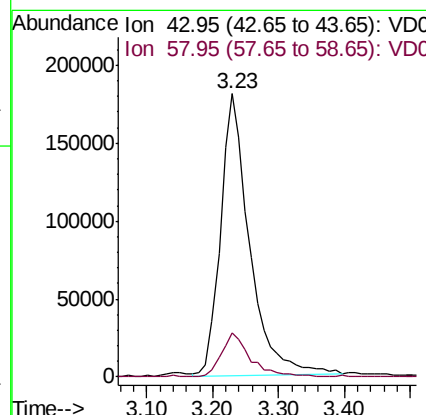
RT: 3.23 min Scan# 183

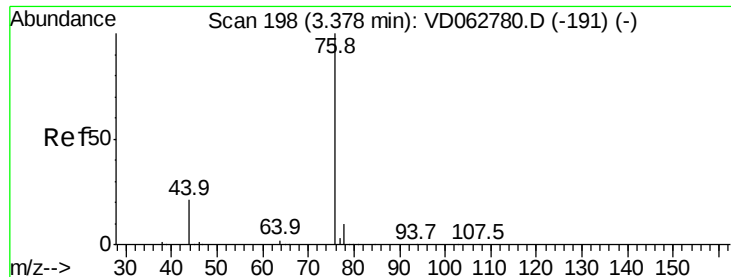
Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Tgt Ion:	43	Resp:	553658
Ion	Ratio	Lower	Upper
43	100		
58	15.5	11.9	17.9





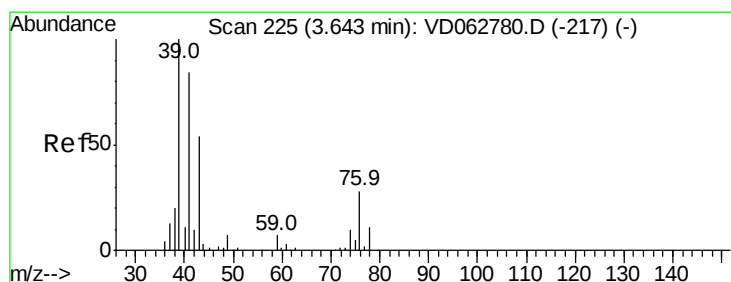
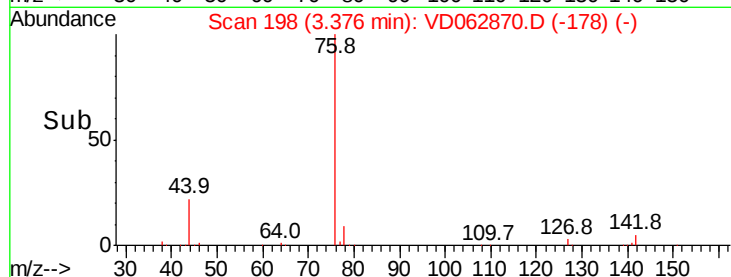
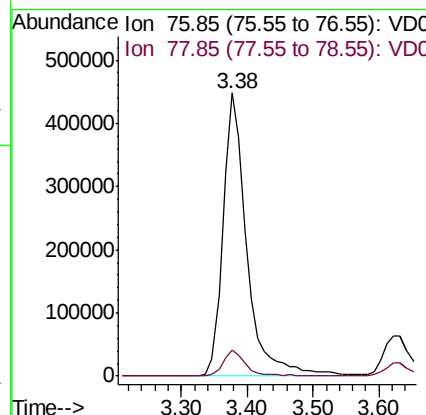
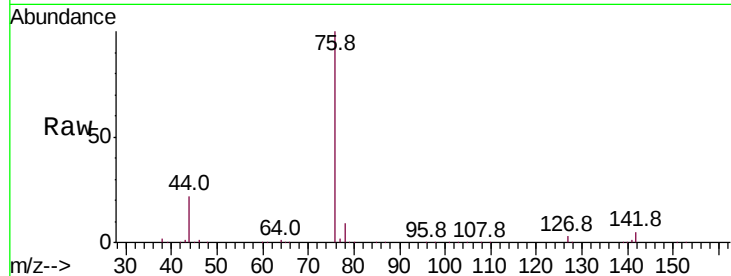
#17
Carbon Disulfide
Concen: 48.501 ug/l
RT: 3.38 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1129163
Ion Ratio Lower Upper
76 100
78 9.0 8.0 12.0

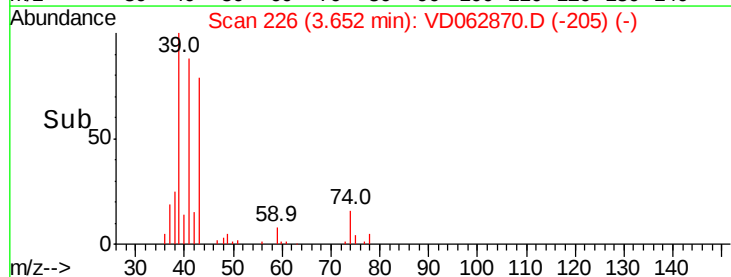
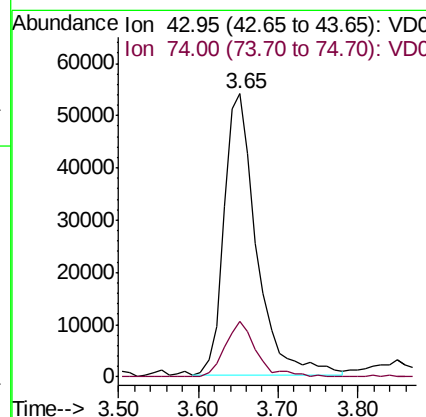
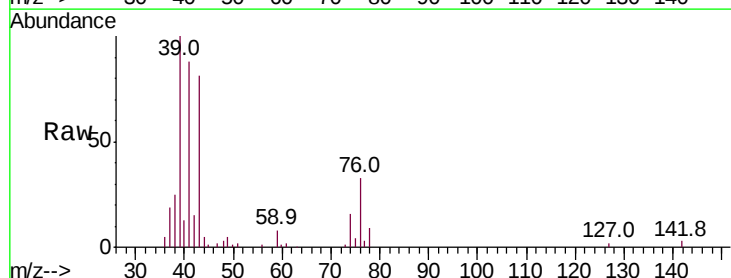
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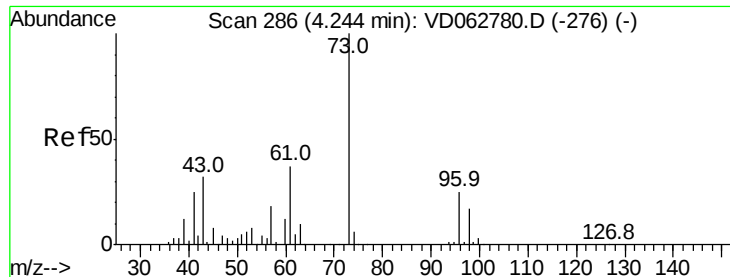
MMDadoda
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#18
Methyl Acetate
Concen: 51.243 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Tgt Ion: 43 Resp: 154335
Ion Ratio Lower Upper
43 100
74 19.7 15.2 22.8





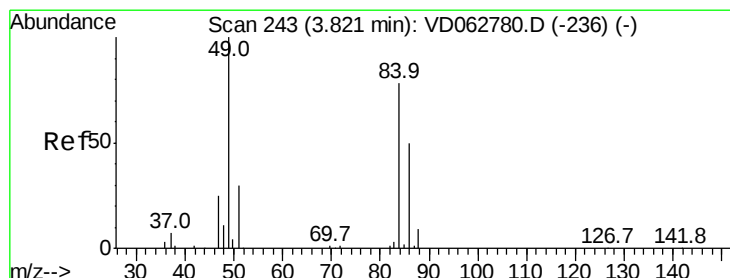
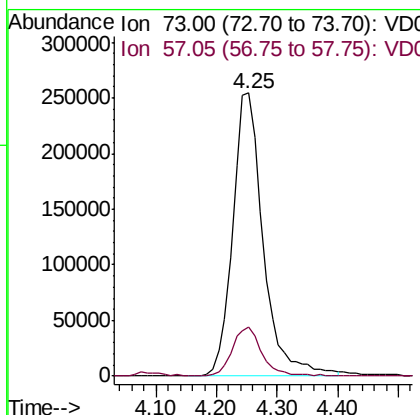
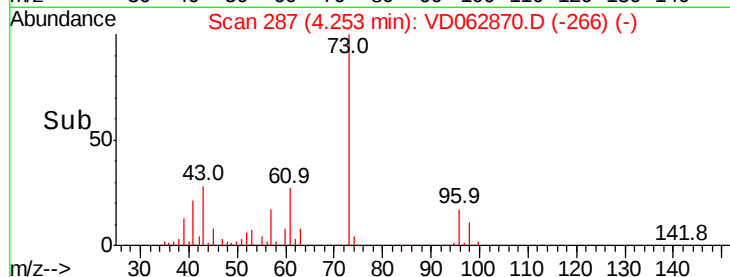
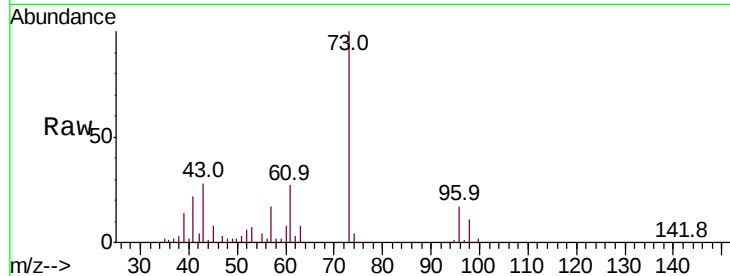
#19
Methyl tert-butyl Ether
Concen: 56.372 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 888966
Ion Ratio Lower Upper
73 100
57 17.2 14.3 21.5

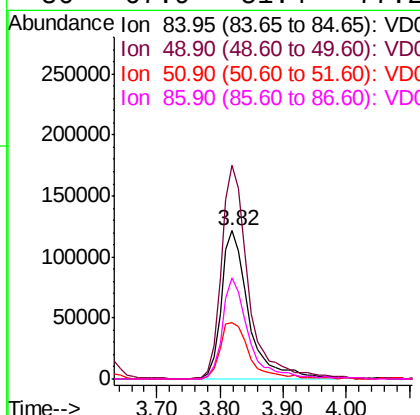
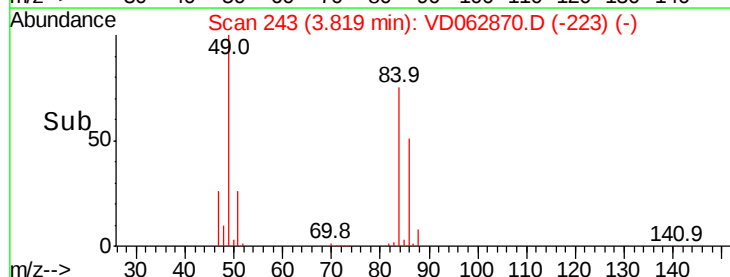
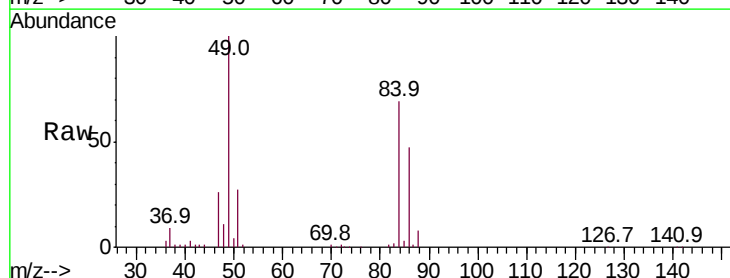
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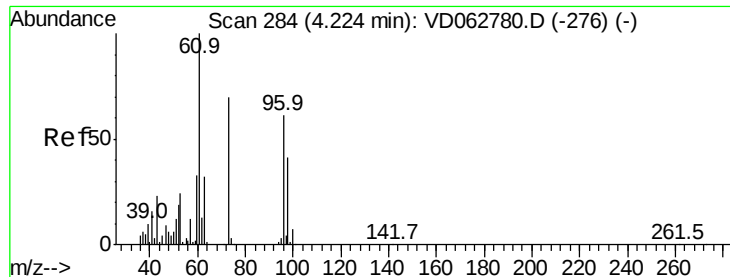
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#20
Methylene Chloride
Concen: 48.476 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Tgt Ion: 84 Resp: 368853
Ion Ratio Lower Upper
84 100
49 144.0 102.9 154.3
51 38.4 31.2 46.8
86 67.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 53.625 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD062780.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 415934

Ion Ratio Lower Upper

96 100

61 158.3 131.0 196.4

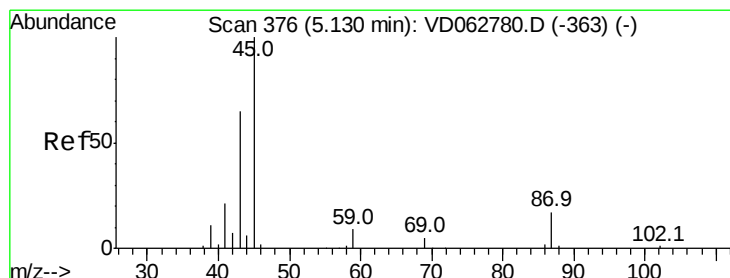
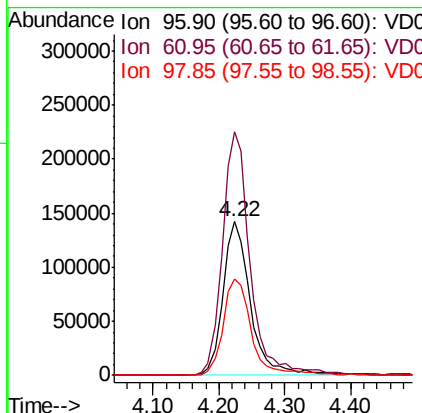
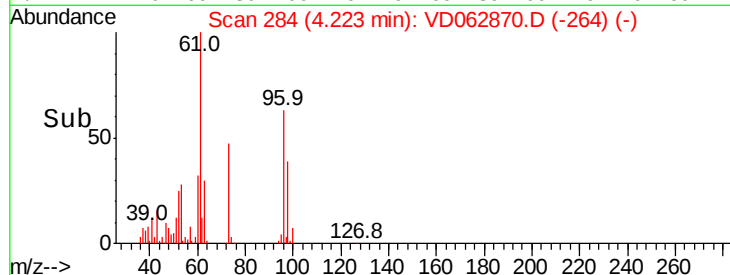
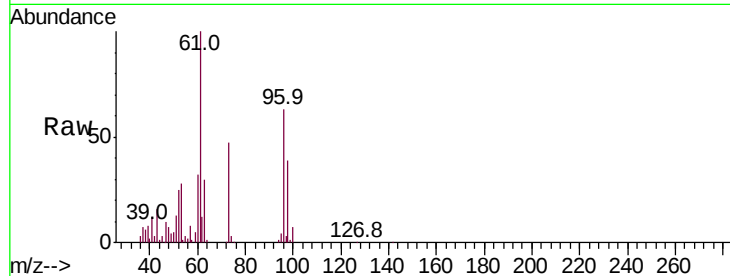
98 62.4 53.2 79.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 53.268 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD062780.D

Acq: 25 Jun 2019 9:20

Tgt Ion: 45 Resp: 1166002

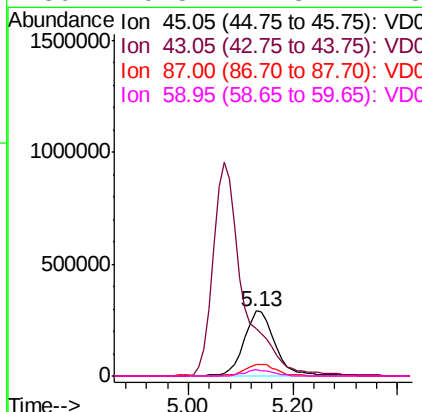
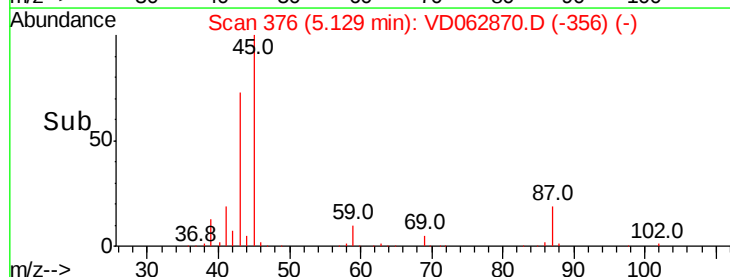
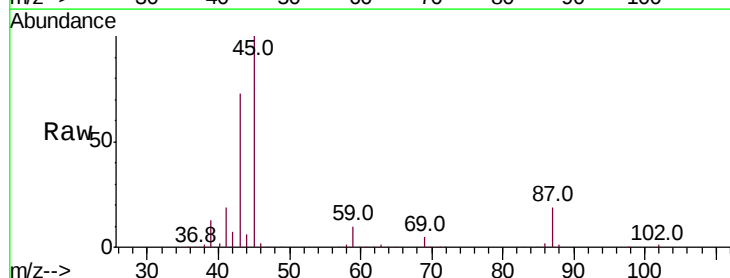
Ion Ratio Lower Upper

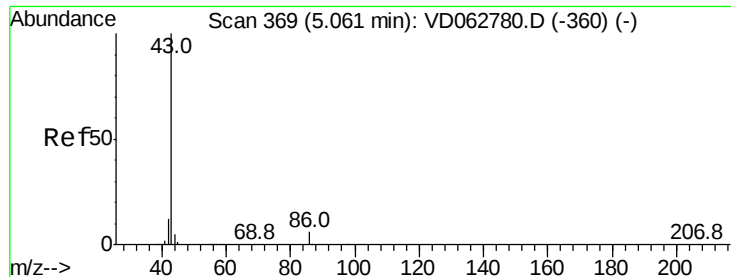
45 100

43 73.4 53.4 80.0

87 18.6 14.6 22.0

59 9.8 7.8 11.8





#23

Vinyl Acetate

Concen: 275.287 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3770664

Ion Ratio Lower Upper

43 100

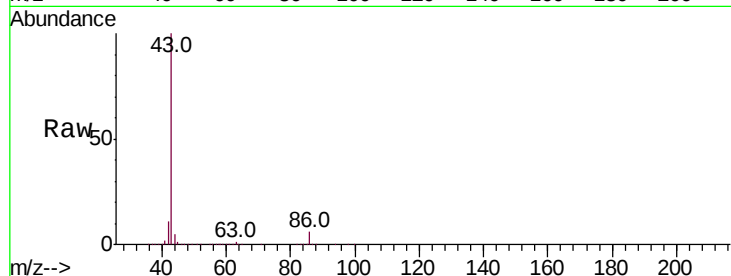
86 5.6 4.7 7.1

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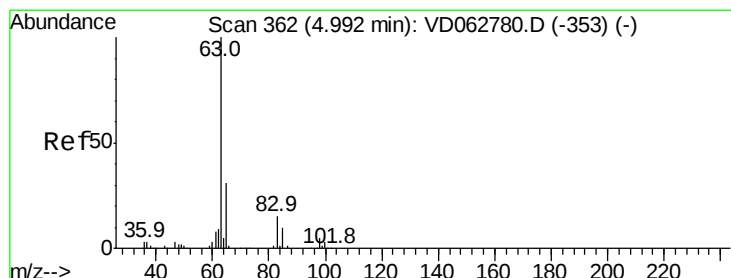
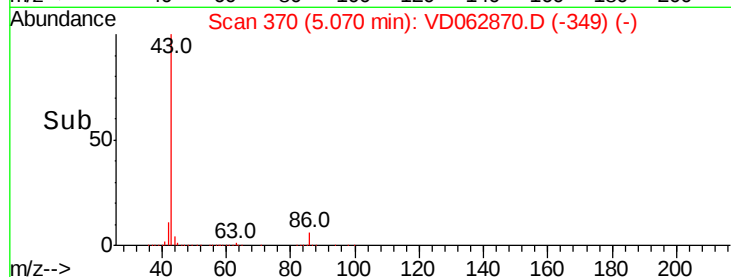
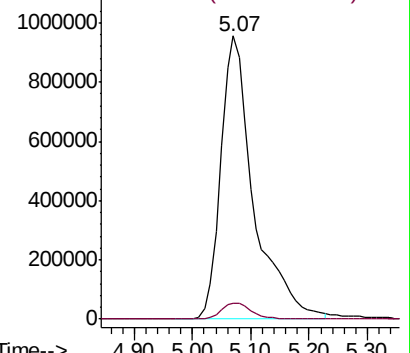
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.789 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

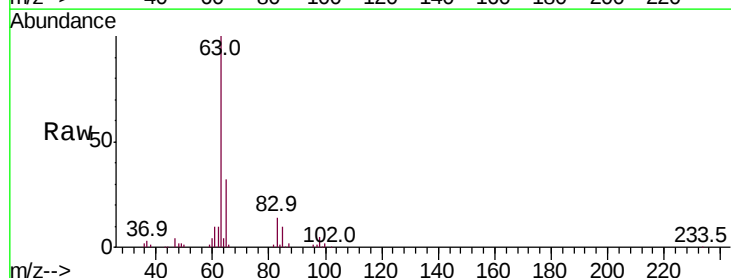
Tgt Ion: 63 Resp: 738089

Ion Ratio Lower Upper

63 100

98 4.7 2.3 6.9

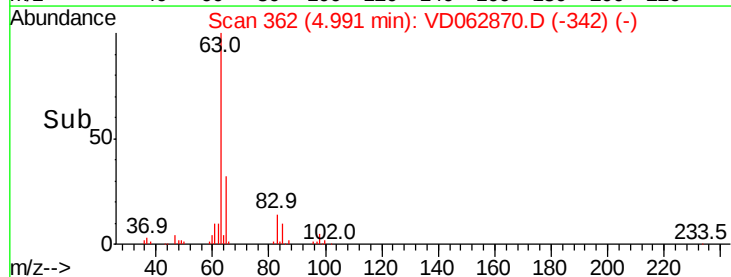
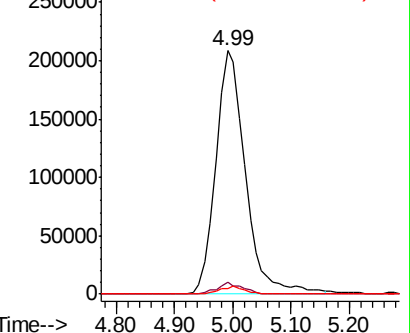
100 2.3 1.7 5.1

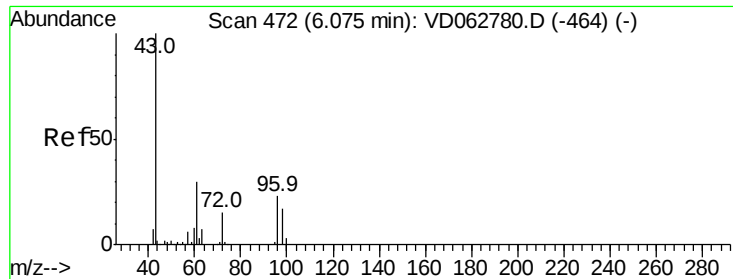


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 288.812 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 538928

Ion Ratio Lower Upper

43 100

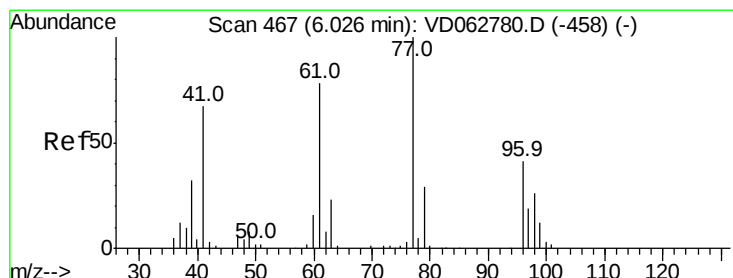
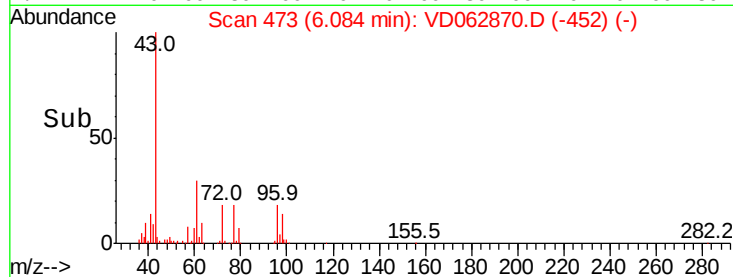
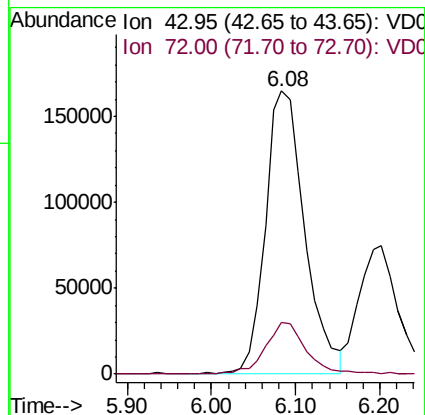
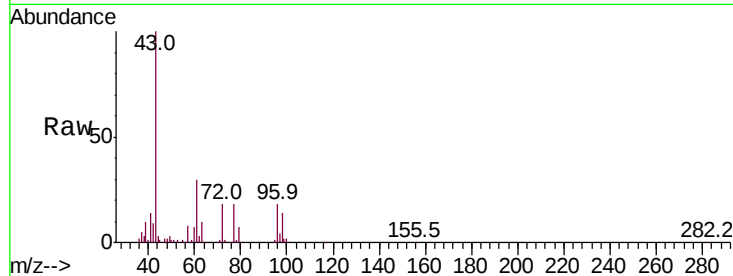
72 18.1 11.9 17.9#

Manual Integrations

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MMDadoda

6/27/2019 12:44:49 AM



#26

2,2-Dichloropropane

Concen: 56.072 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD062870.D

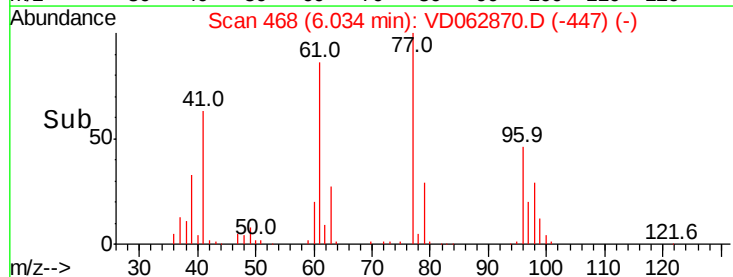
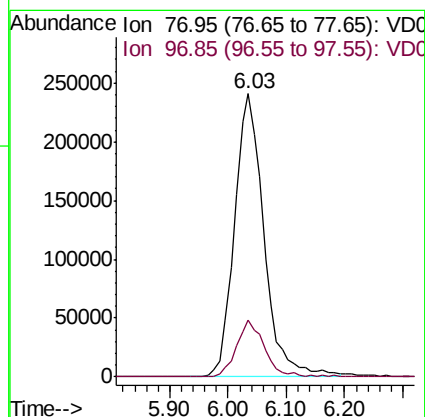
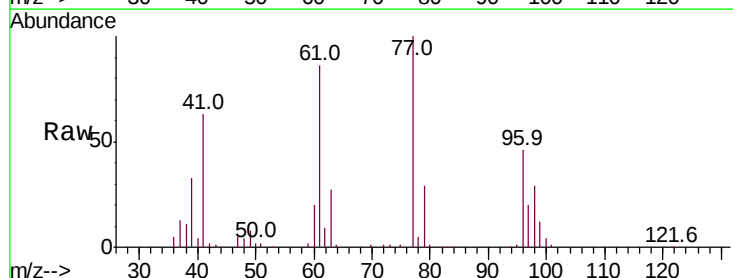
Acq: 25 Jun 2019 9:20

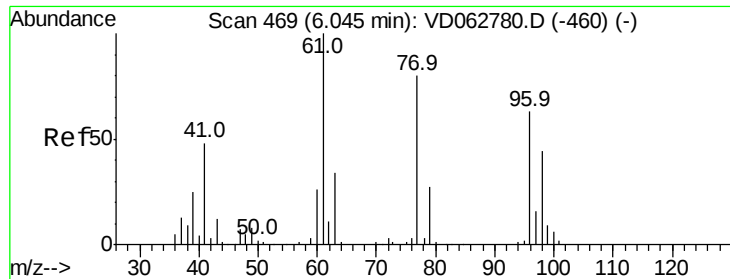
Tgt Ion: 77 Resp: 847039

Ion Ratio Lower Upper

77 100

97 20.0 9.5 28.5





#27

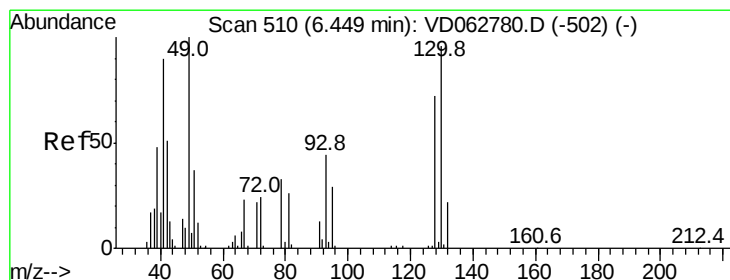
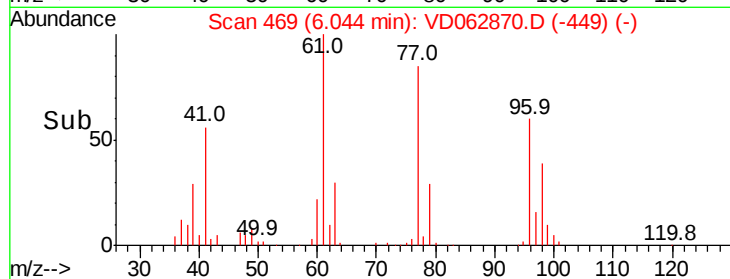
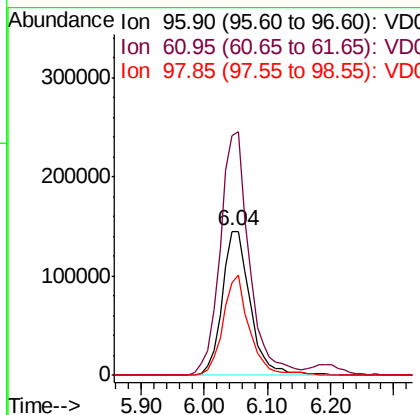
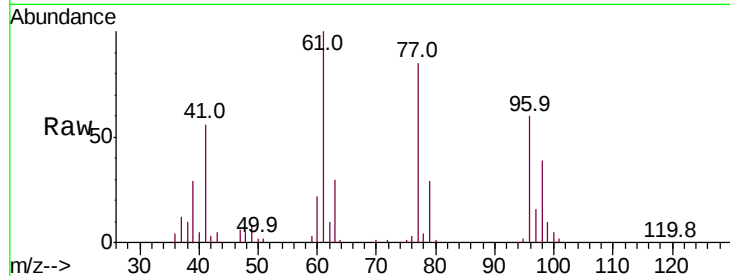
cis-1,2-Dichloroethene
Concen: 54.952 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	450733		
61	166.5	0.0	316.0	
98	64.2	0.0	138.4	

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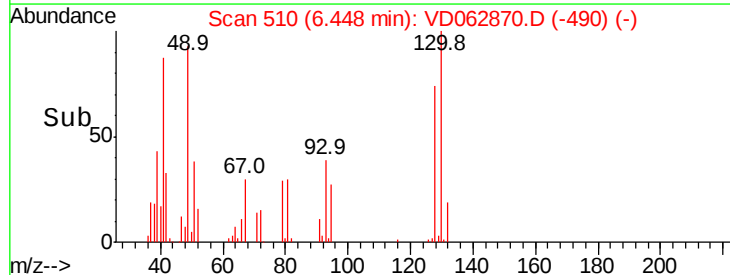
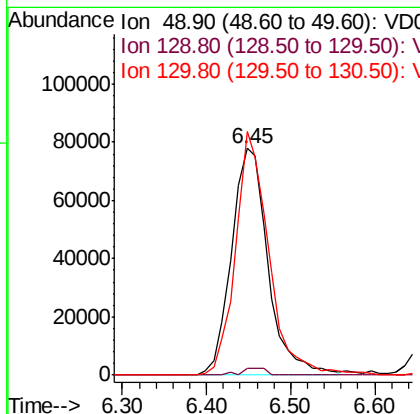
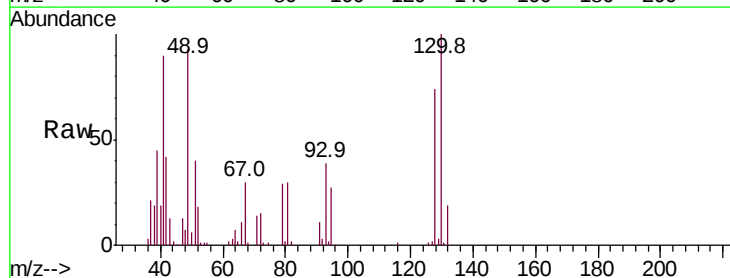
MMDadoda
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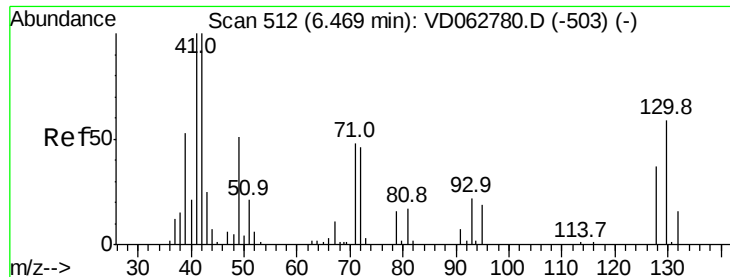


#28

Bromochloromethane
Concen: 46.904 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	235433		
129	3.1	0.0	5.6	
130	107.5	76.6	114.8	





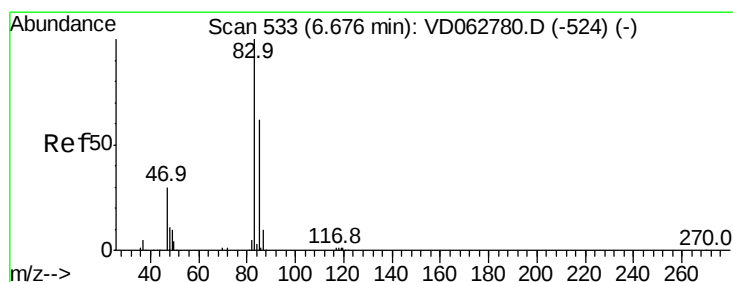
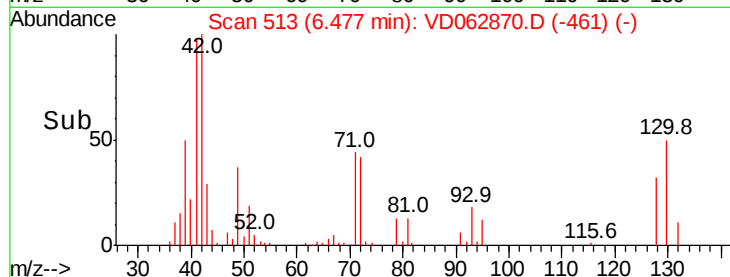
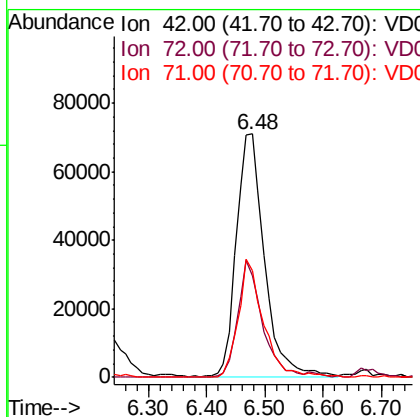
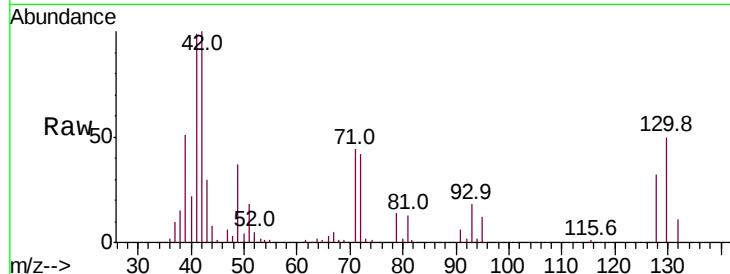
#29
Tetrahydrofuran
Concen: 272.769 ug/l
RT: 6.48 min Scan# 513
Delta R.T. 0.01 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	35.0	52.6
71	43.1	33.3	49.9

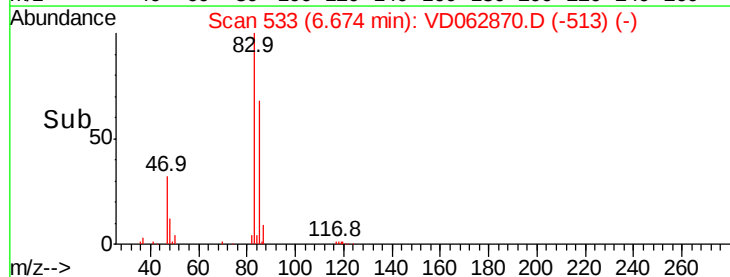
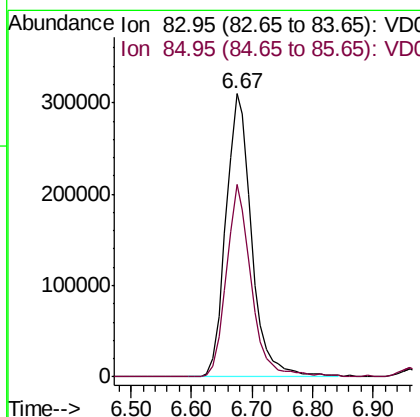
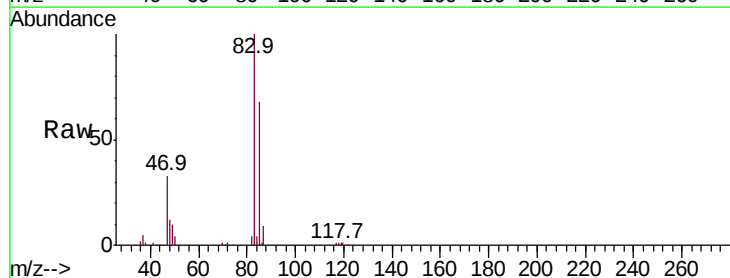
Manual Integrations
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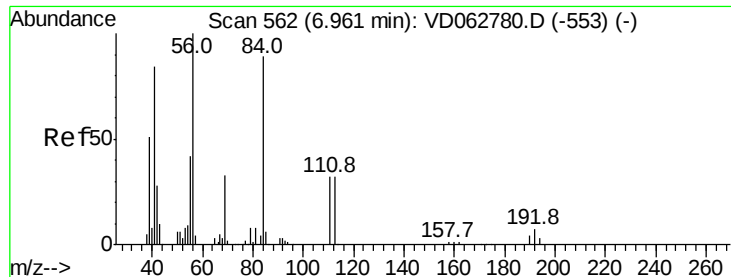
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6/27/2019 12:44:49 AM



#30
Chloroform
Concen: 52.763 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.8	49.8	74.6





#31

Cyclohexane

Concen: 53.453 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

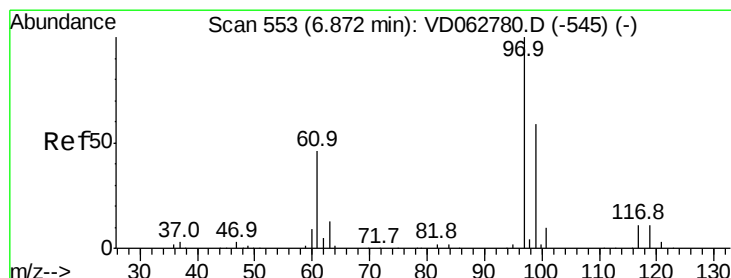
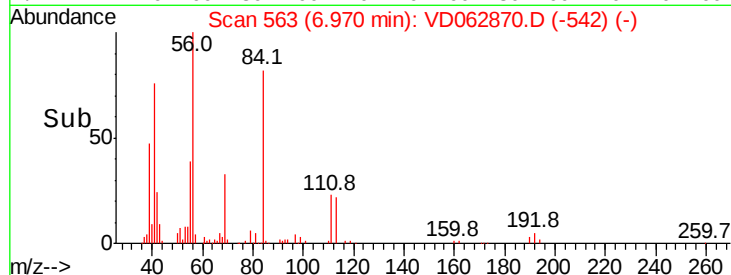
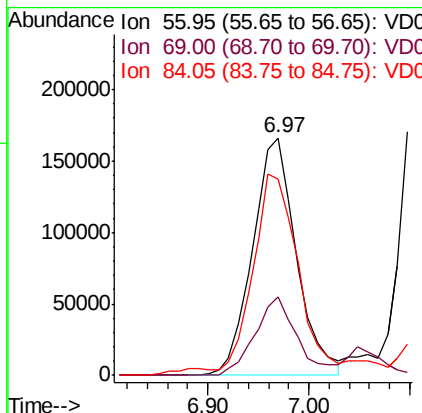
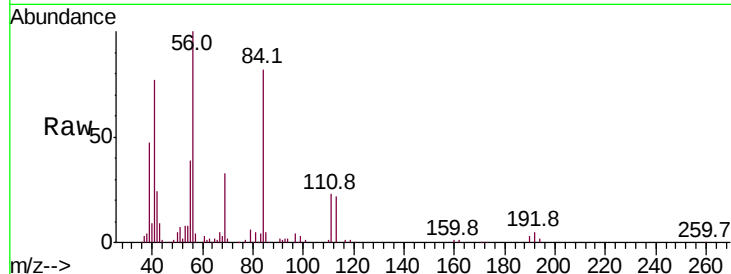
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	500812
Ion Ratio	Lower	Upper	
56	100		
69	32.9	26.6	39.8
84	82.4	75.5	113.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.269 ug/l

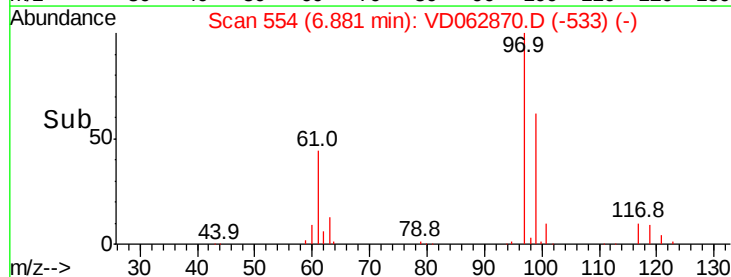
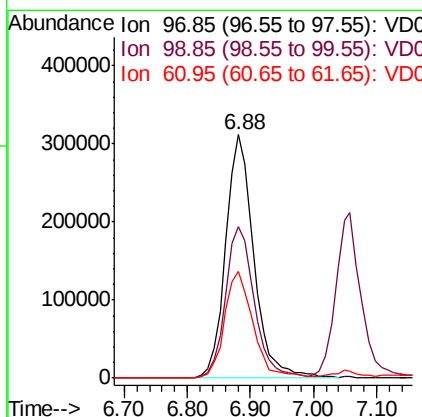
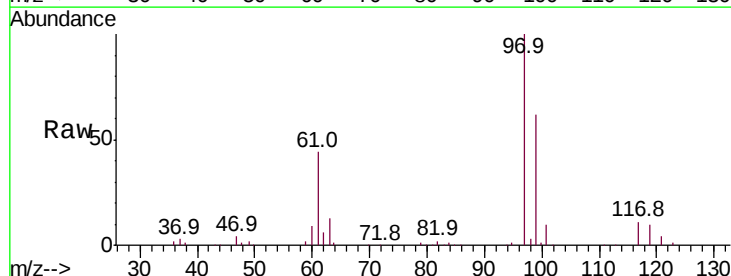
RT: 6.88 min Scan# 554

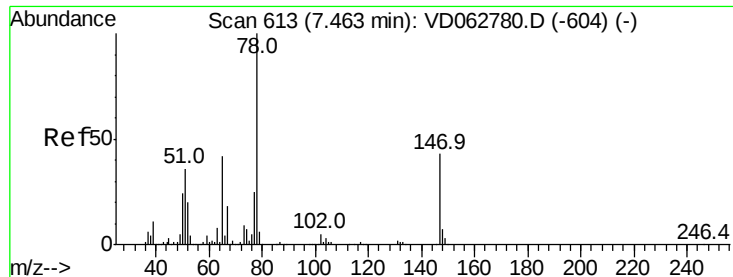
Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Tgt Ion:	97	Resp:	961664
Ion Ratio	Lower	Upper	
97	100		
99	62.0	47.4	71.2
61	43.7	37.2	55.8





#33

1,2-Dichloroethane-d4

Concen: 46.240 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 461341

Ion Ratio Lower Upper

65 100

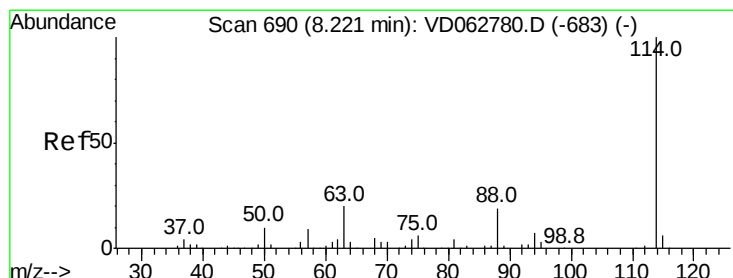
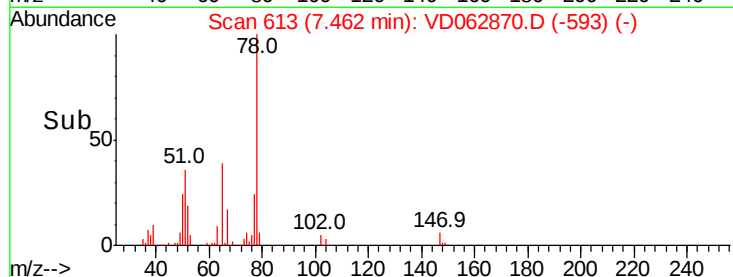
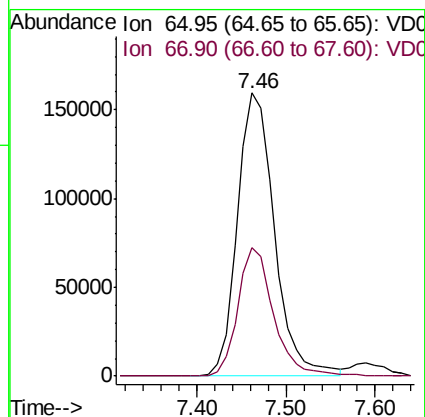
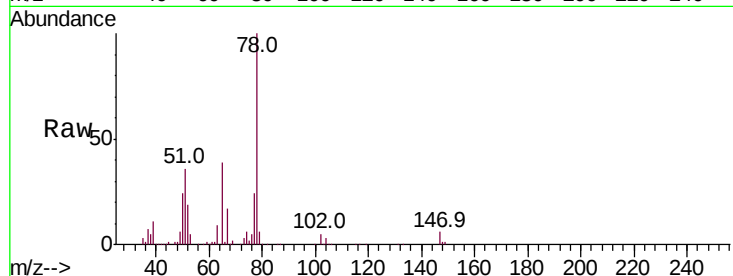
67 45.4 0.0 87.4

Manual Integrations

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6/27/2019 12:44:49 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

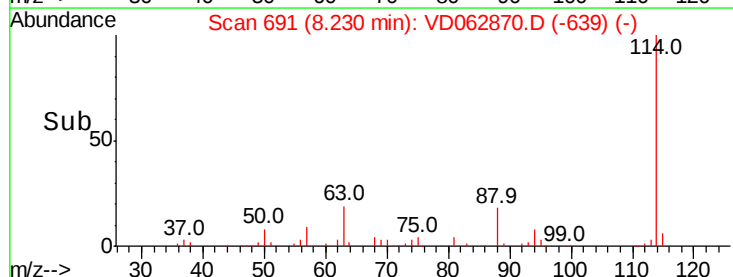
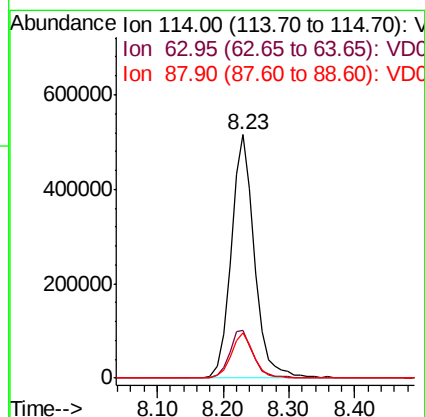
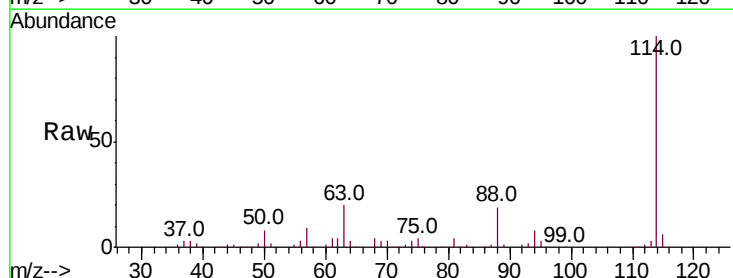
Tgt Ion: 114 Resp: 1272393

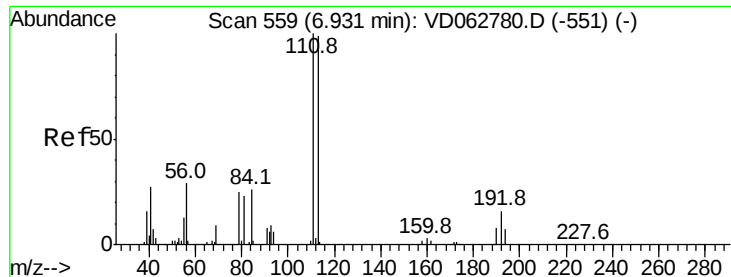
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

88 18.6 0.0 38.8





#35

Dibromofluoromethane

Concen: 46.832 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

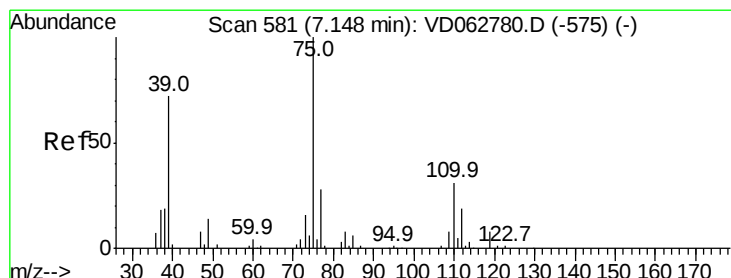
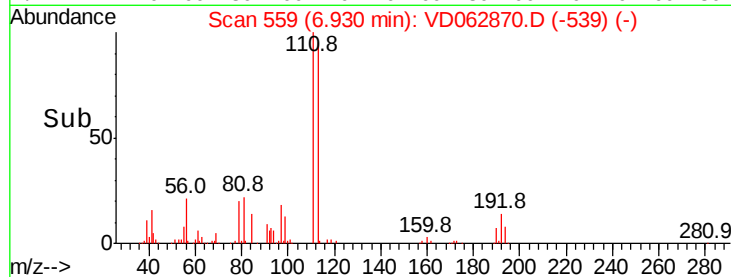
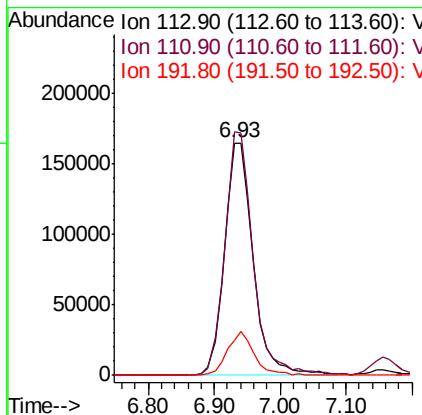
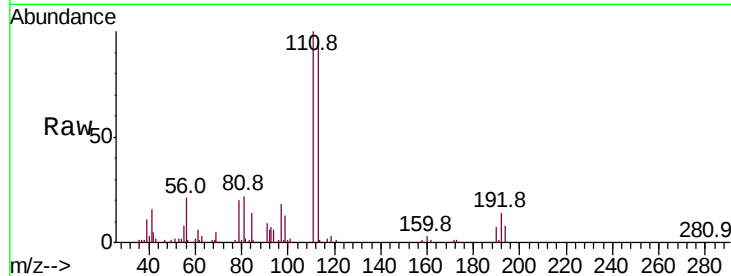
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	502451
Ion Ratio	Lower	Upper	
113	100		
111	104.8	81.2	121.8
192	14.9	12.9	19.3

Manual Integrations
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6/27/2019 12:44:49 AM



#36

1,1-Dichloropropene

Concen: 49.567 ug/l

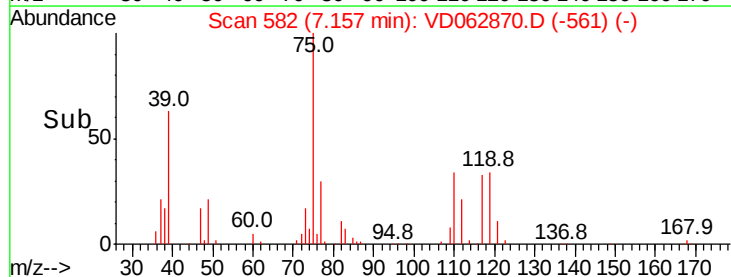
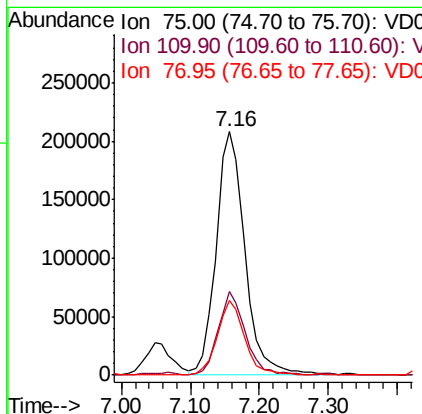
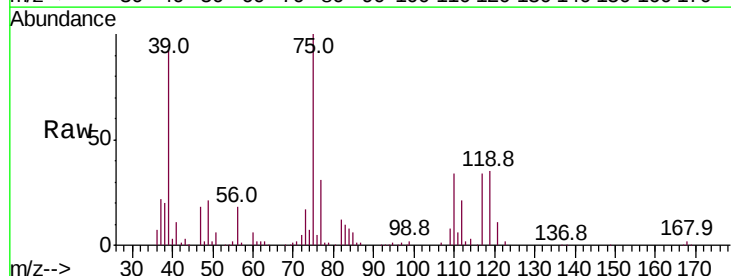
RT: 7.16 min Scan# 582

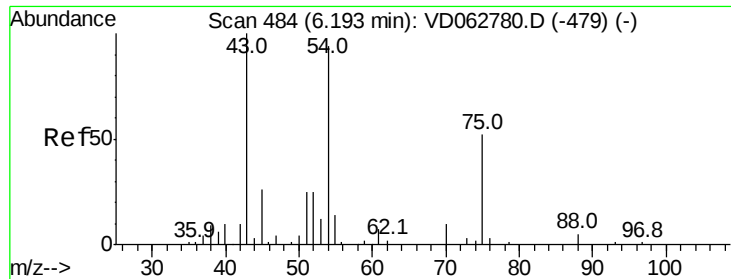
Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Tgt Ion:	75	Resp:	597033
Ion Ratio	Lower	Upper	
75	100		
110	34.2	15.0	45.1
77	30.5	22.2	33.2





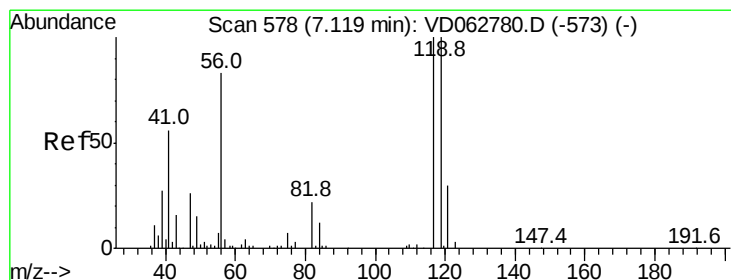
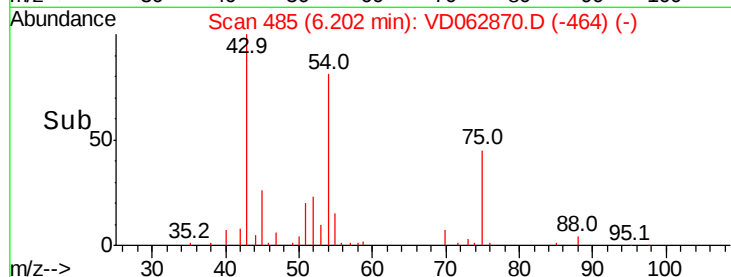
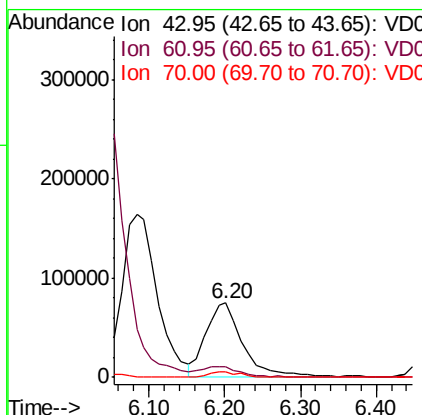
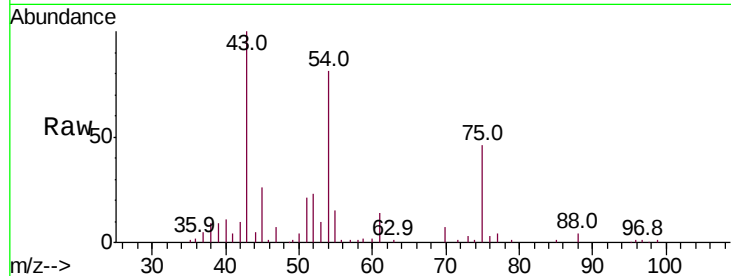
#37
Ethyl Acetate
Concen: 49.729 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.01 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.6	17.4
70	6.6	6.4	9.6

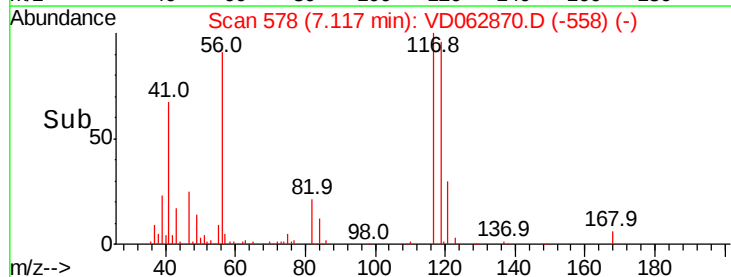
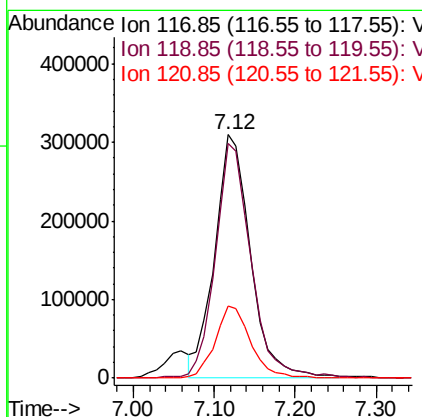
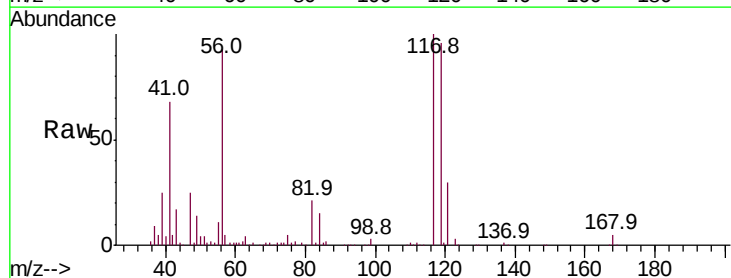
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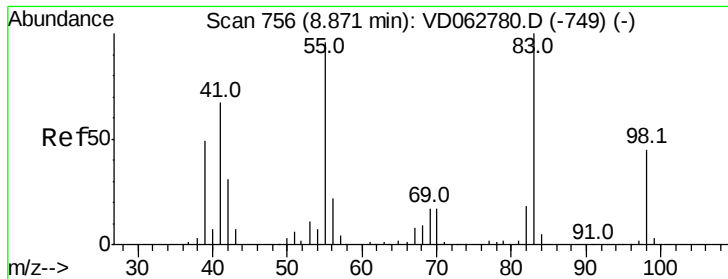
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#38
Carbon Tetrachloride
Concen: 52.700 ug/l m
RT: 7.12 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.4	113.2
121	29.7	22.3	33.5





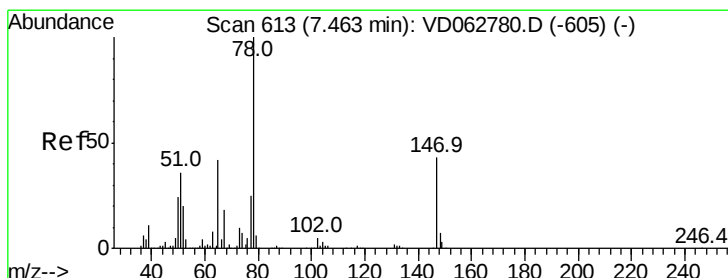
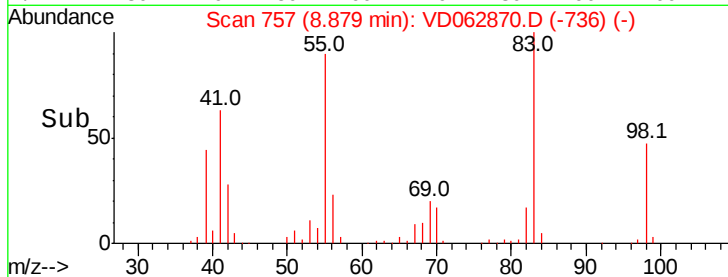
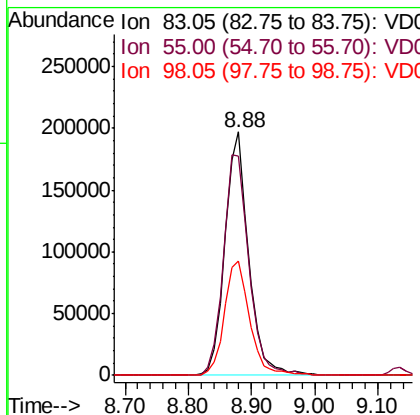
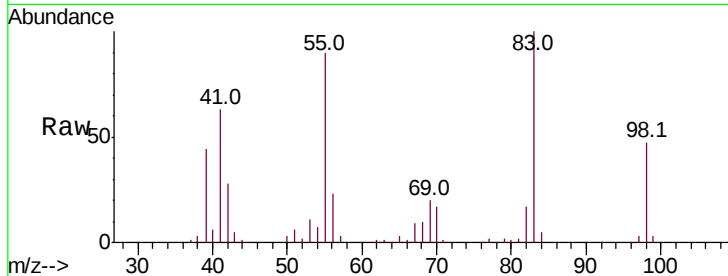
#39
Methylcyclohexane
Concen: 48.108 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.01 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.9	76.6	115.0
98	46.7	35.7	53.5

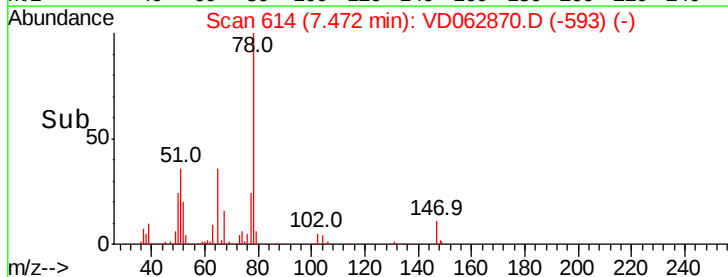
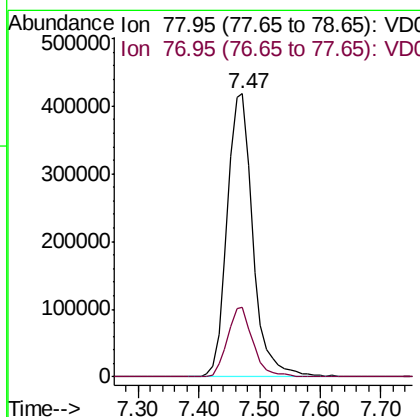
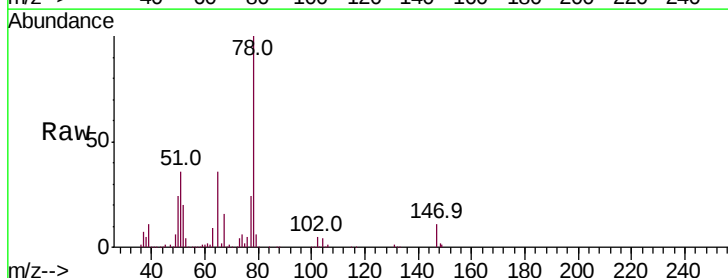
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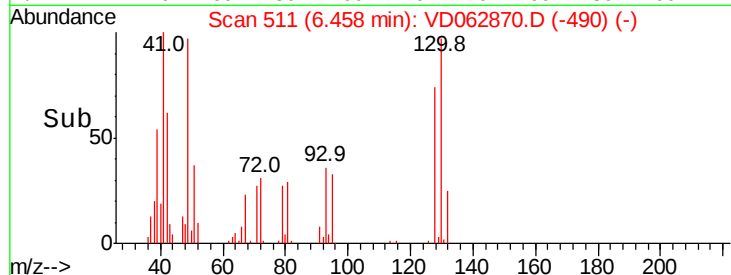
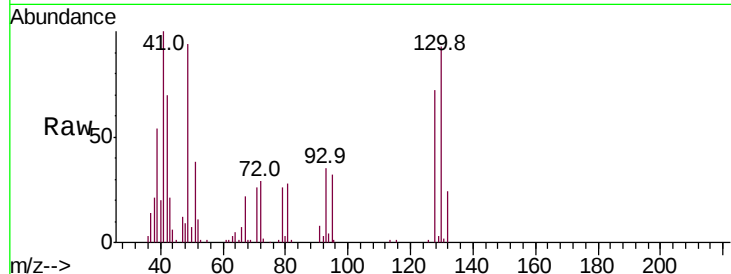
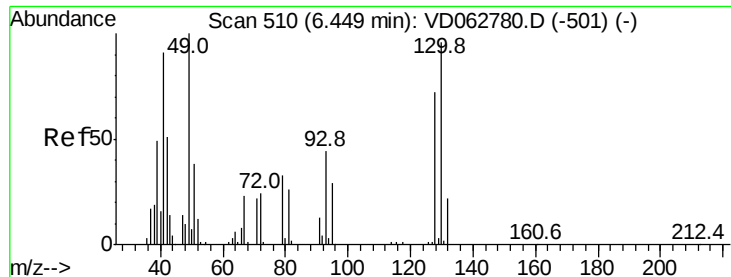
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6/27/2019 12:44:49 AM



#40
Benzene
Concen: 51.062 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

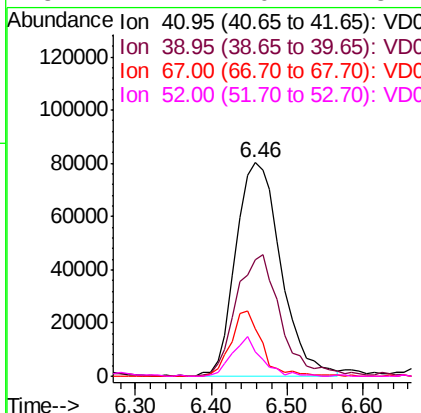
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	20.2	30.2





#41
Methacrylonitrile
Concen: 52.336 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD062780.D
Acq: 25 Jun 2019 9:20

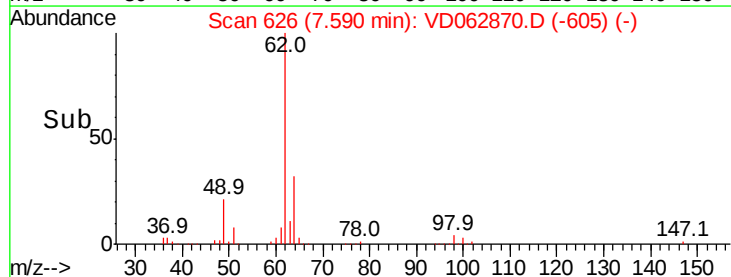
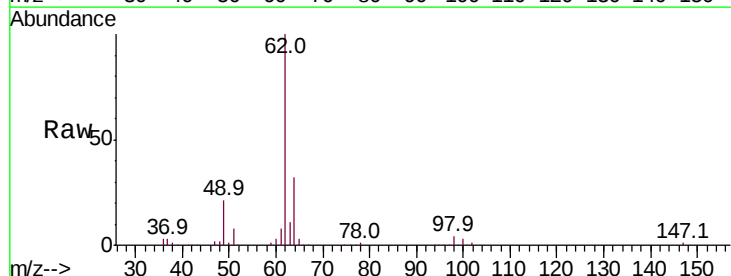
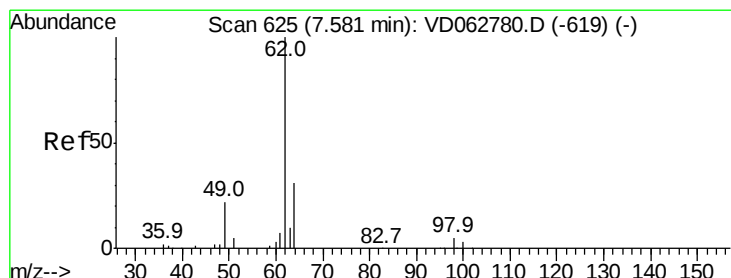
Tot Ion	41	Resp	332444
Ion Ratio	100	Lower	Upper
41	100		
39	54.4	43.2	64.8
67	22.3	19.9	29.9
52	11.4	10.2	15.4



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

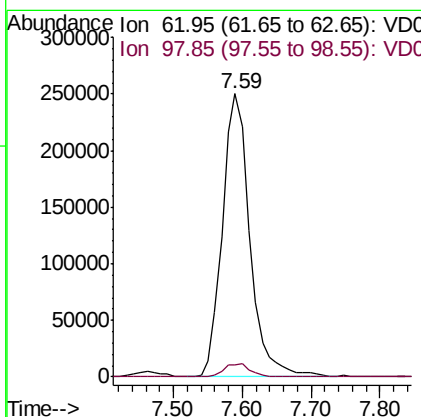
Manual Integrations
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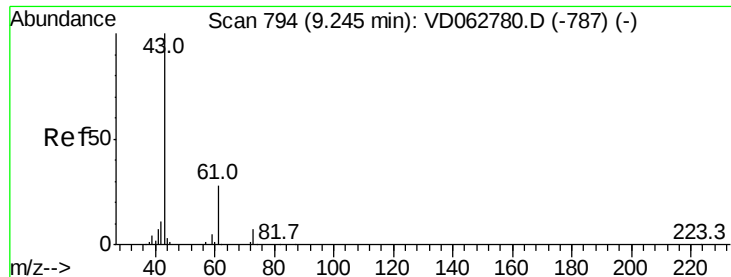
MMDadoda
6/27/2019 12:44:49 AM



#42
1,2-Dichloroethane
Concen: 52.634 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD062780.D
Acq: 25 Jun 2019 9:20

Tgt Ion	62	Resp	694224
Ion Ratio	100	Lower	Upper
62	100		
98	4.3	0.0	10.0





#43

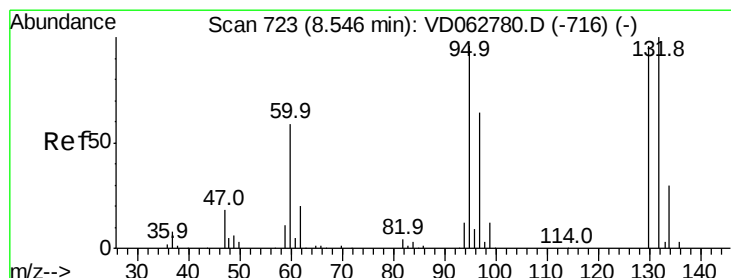
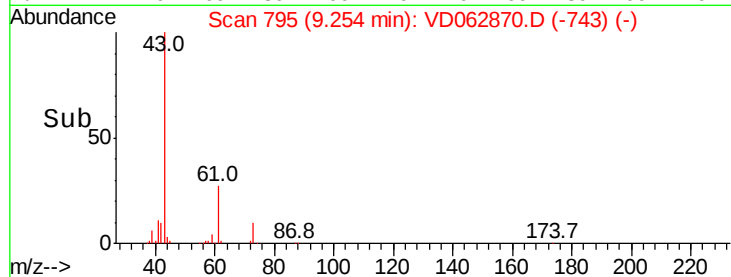
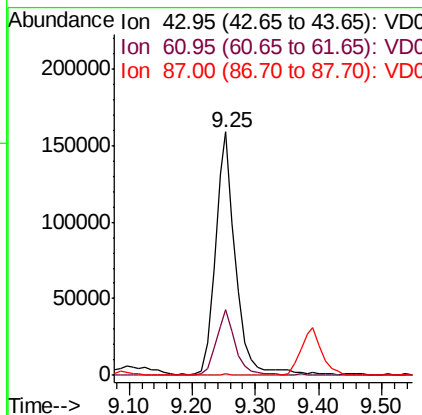
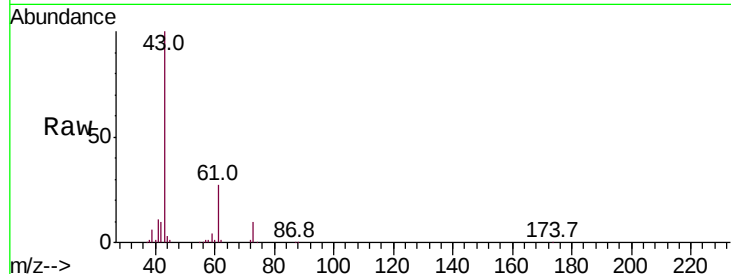
Isopropyl Acetate
 Concen: 56.266 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.0	22.4	33.6
87	0.5	0.3	0.5

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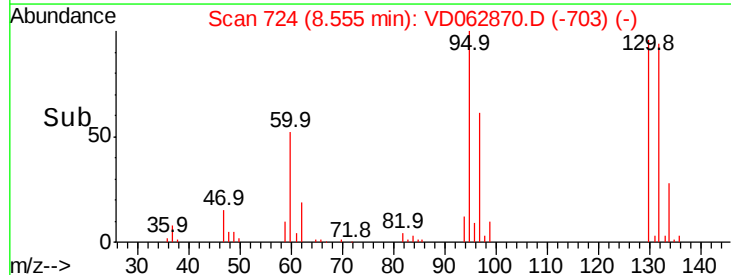
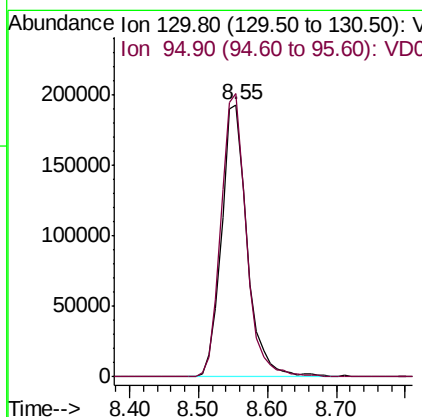
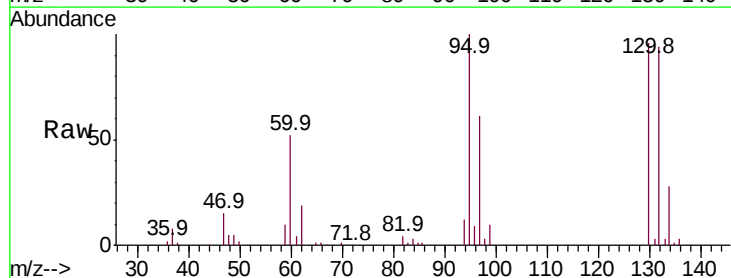
MMDadoda
 6/27/2019 12:44:49 AM

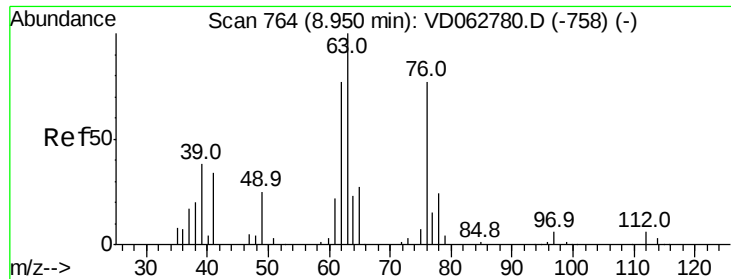


#44

Trichloroethene
 Concen: 52.393 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.01 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	201.6





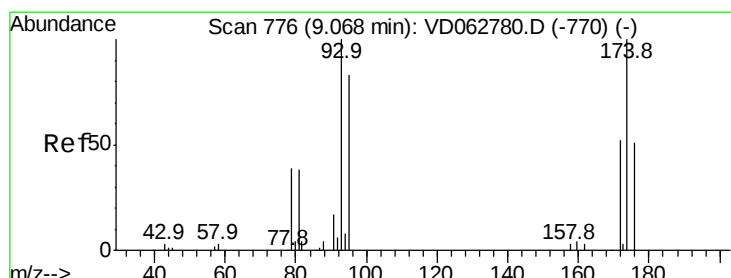
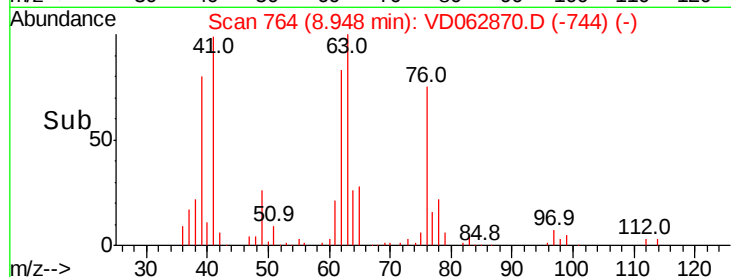
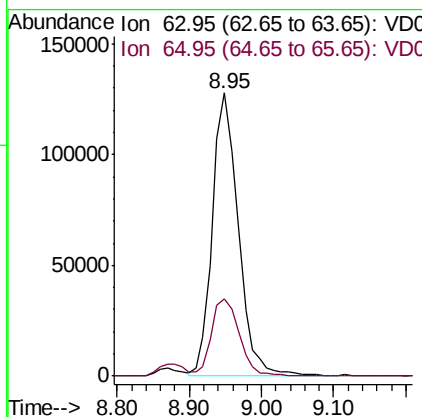
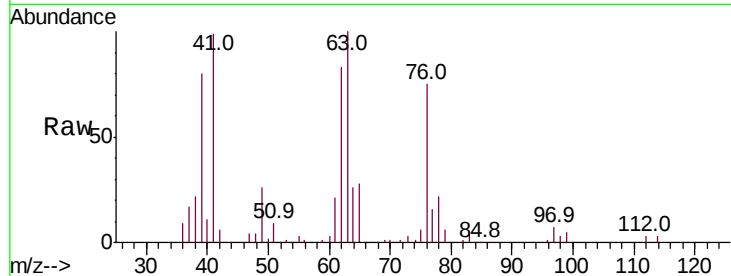
#45
 1,2-Dichloropropane
 Concen: 52.908 ug/l
 RT: 8.95 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 318083
 Ion Ratio Lower Upper
 63 100
 65 27.5 24.2 36.2

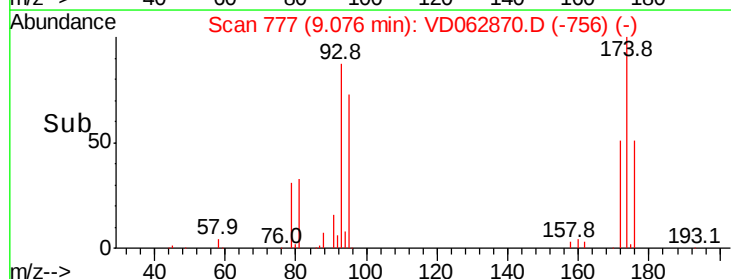
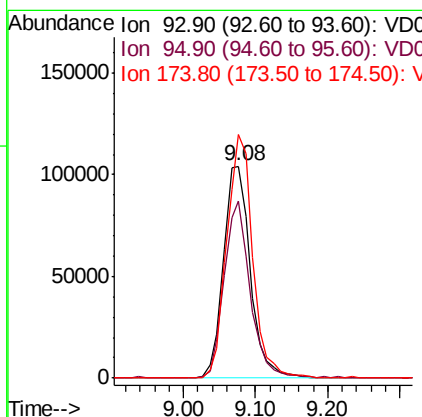
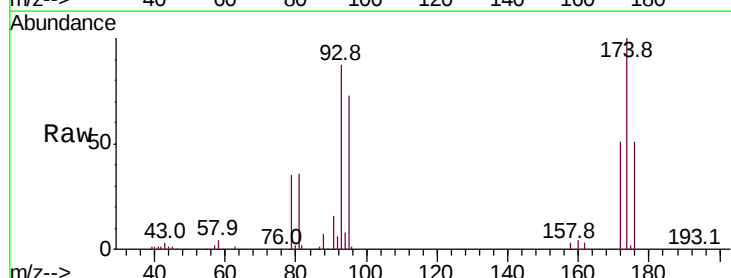
Manual Integrations
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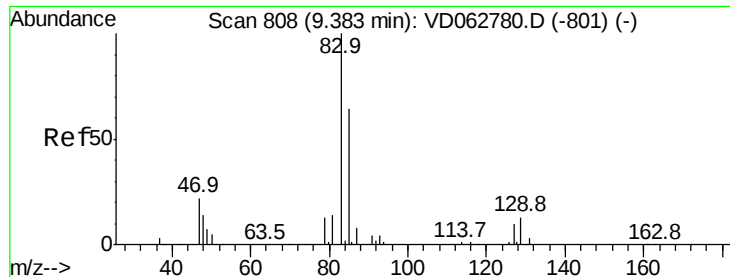
MMDadoda
 6/27/2019 12:44:49 AM



#46
 Dibromomethane
 Concen: 52.153 ug/l
 RT: 9.08 min Scan# 777
 Delta R.T. 0.01 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Tgt Ion: 93 Resp: 269339
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.6 100.0
 174 114.8 79.7 119.5





#47

Bromodichloromethane

Concen: 53.058 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

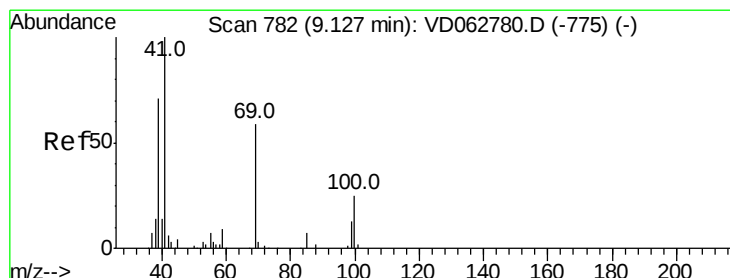
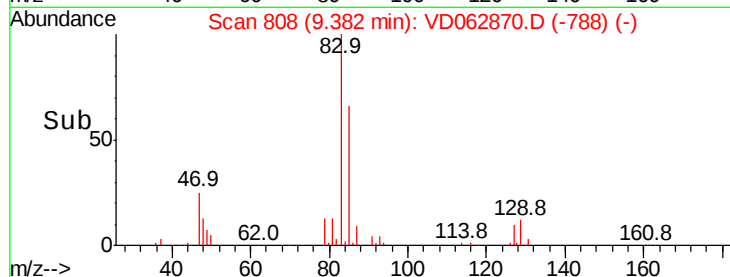
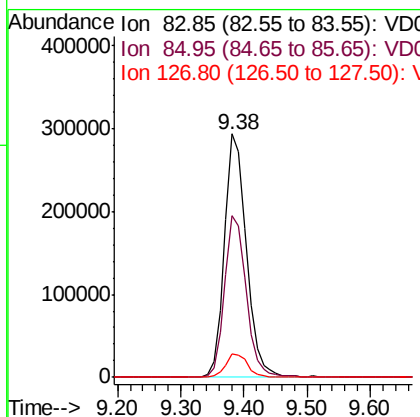
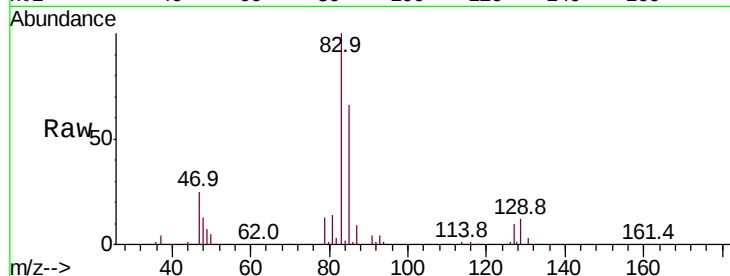
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	711642
Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.6	77.4
127	9.5	7.8	11.6

Manual Integrations
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MMDadoda
6/27/2019 12:44:49 AM



#48

Methyl methacrylate

Concen: 50.974 ug/l

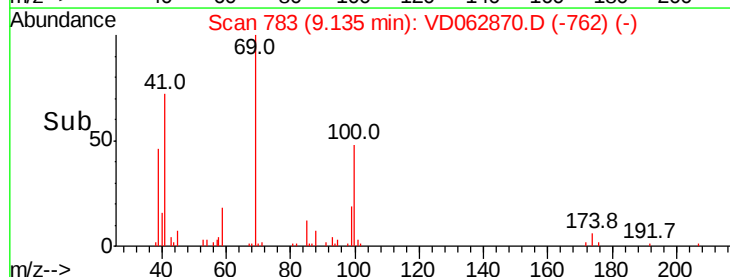
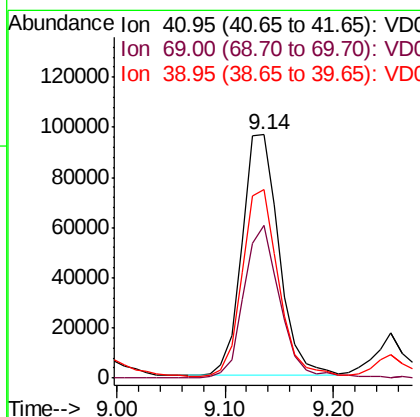
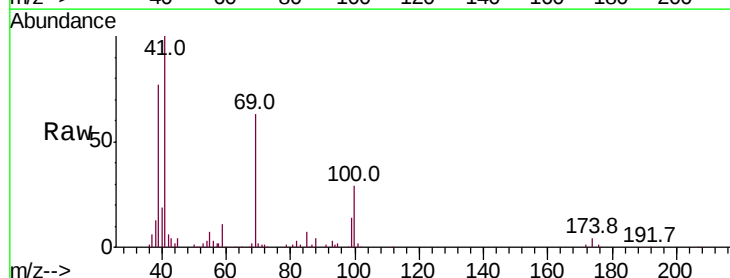
RT: 9.14 min Scan# 783

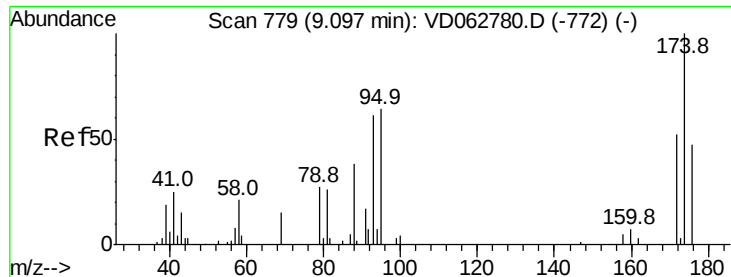
Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Tgt Ion:	41	Resp:	228747
Ion	Ratio	Lower	Upper
41	100		
69	62.5	47.2	70.8
39	77.4	57.4	86.2





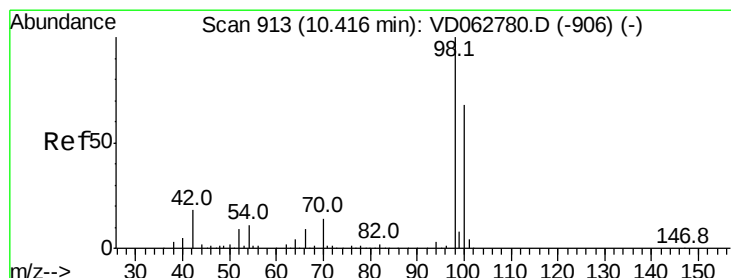
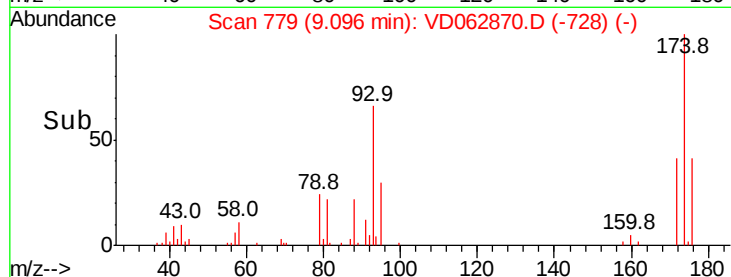
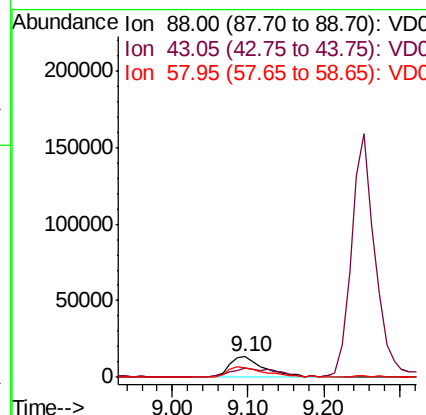
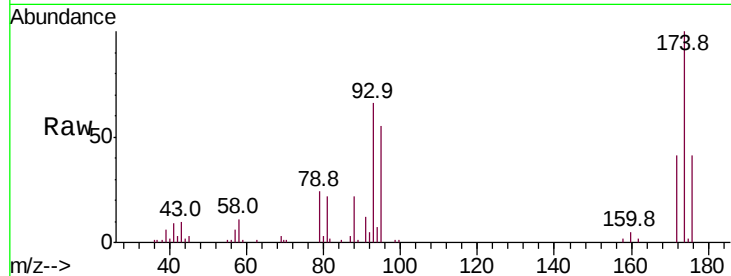
#49
 1,4-Dioxane
 Concen: 1187.247 ug/l
 RT: 9.10 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.1	32.1	48.1
58	47.4	44.1	66.1

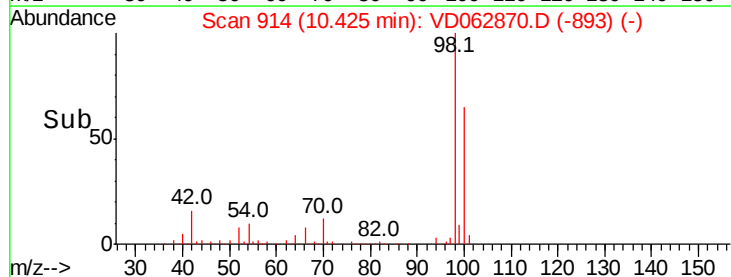
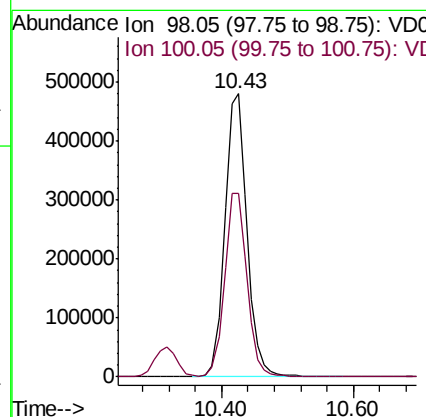
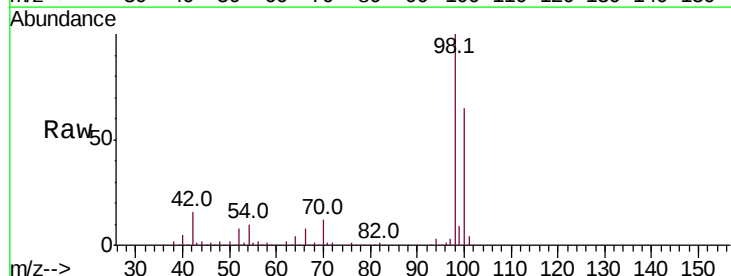
Manual Integrations
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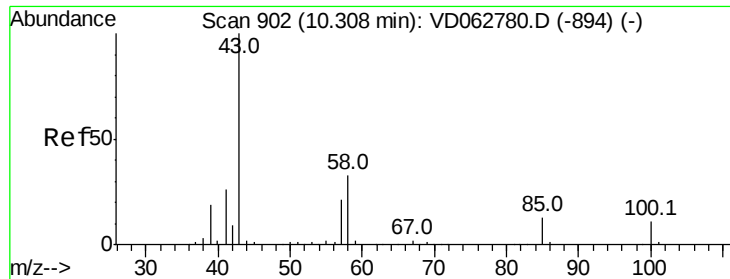
MMDadoda
 6/27/2019 12:44:49 AM



#50
 Toluene-d8
 Concen: 47.922 ug/l
 RT: 10.43 min Scan# 914
 Delta R.T. 0.01 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	54.7	82.1





#51

4-Methyl-2-Pentanone

Concen: 258.244 ug/l

RT: 10.32 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Tot Ion: 43 Resp: 1156195

Ion Ratio Lower Upper

43 100

58 34.4 26.6 40.0

Instrument :

MSVOA_D

ClientSampleId :

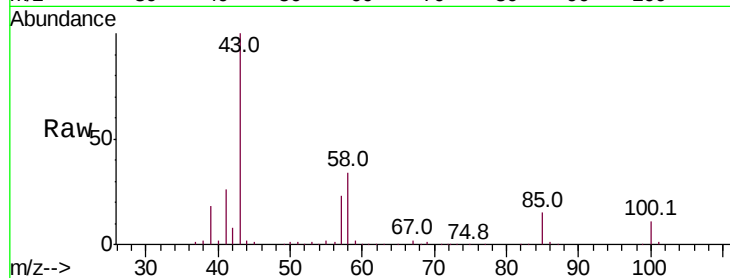
VSTDCCC050

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.32

500000

400000

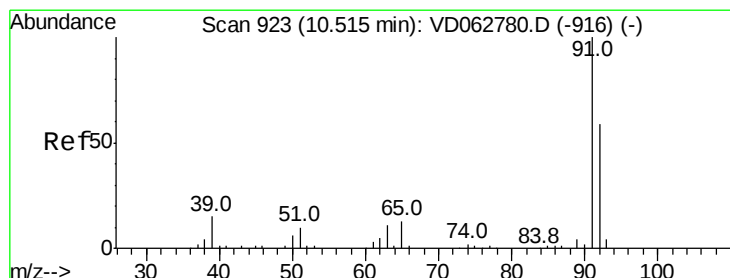
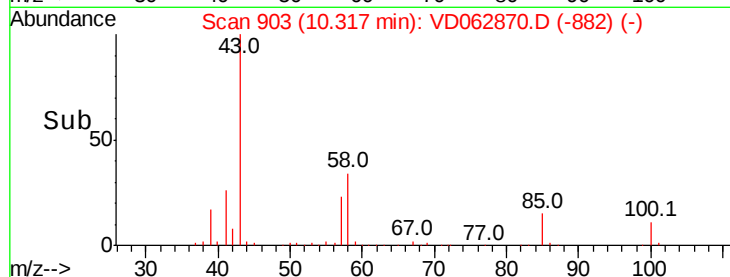
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.663 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD062870.D

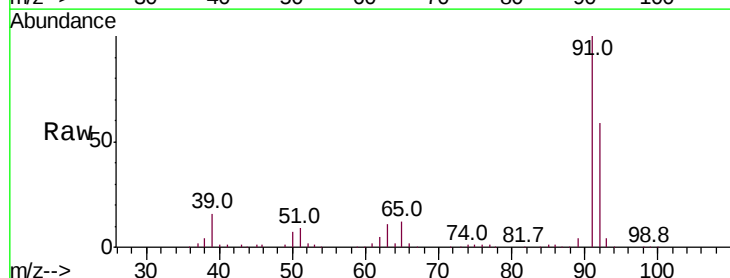
Acq: 25 Jun 2019 9:20

Tgt Ion: 92 Resp: 823399

Ion Ratio Lower Upper

92 100

91 170.4 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

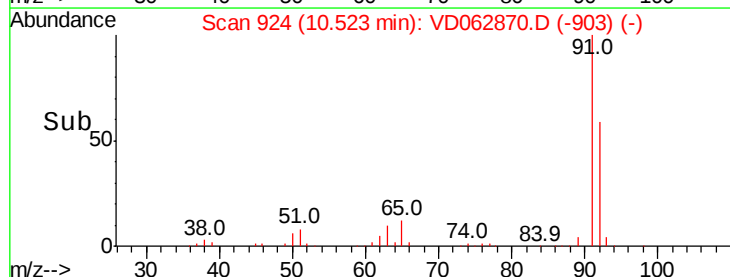
600000

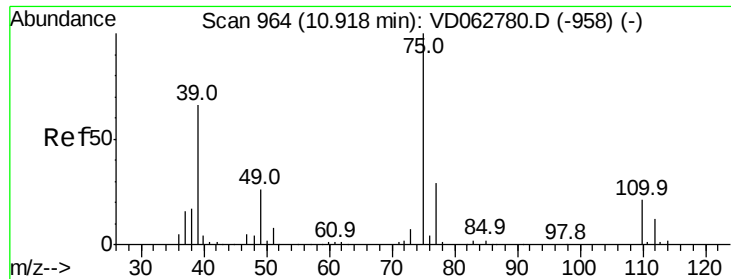
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.182 ug/l

RT: 10.93 min Scan# 965

Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 583831

Ion Ratio Lower Upper

75 100

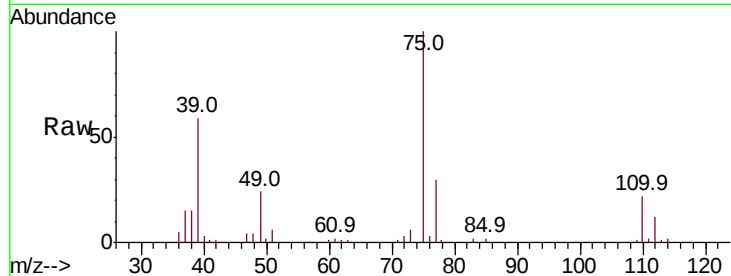
77 30.3 23.2 34.8

Manual Integrations

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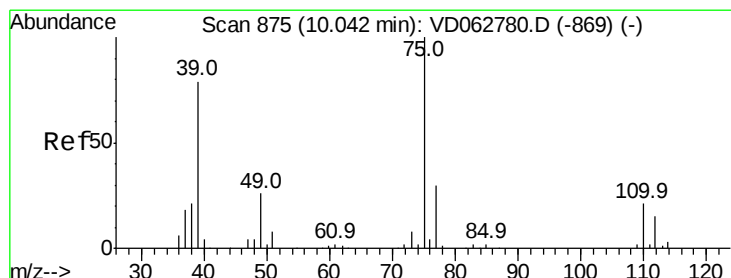
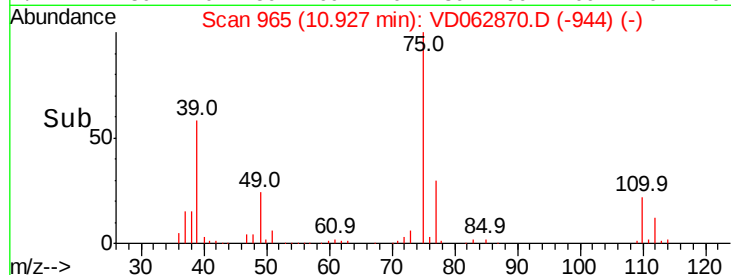
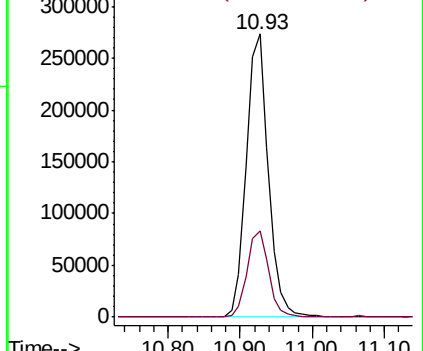
MMDadoda

6/27/2019 12:44:49 AM



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 52.942 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

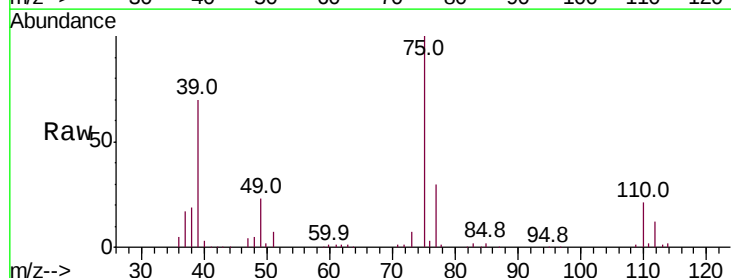
Tgt Ion: 75 Resp: 631712

Ion Ratio Lower Upper

75 100

77 29.9 24.2 36.2

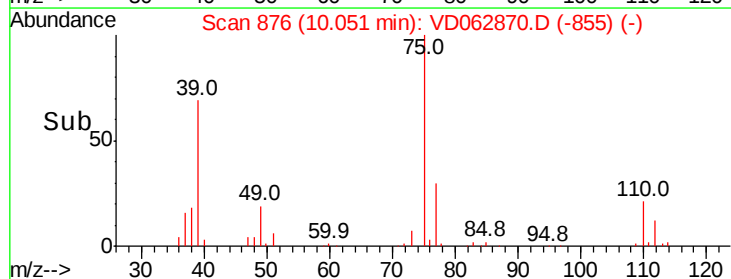
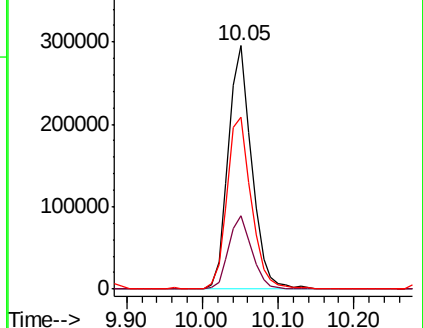
39 70.4 63.5 95.3

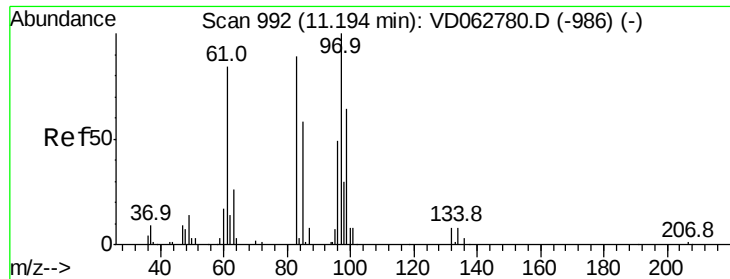


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 49.885 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 278545

Ion Ratio Lower Upper

97 100

83 86.8 71.0 106.4

85 55.2 46.6 69.8

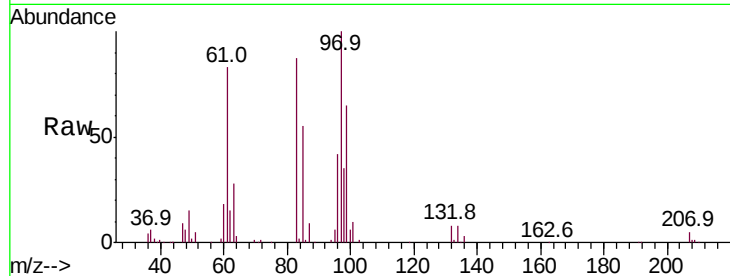
99 64.8 51.4 77.0

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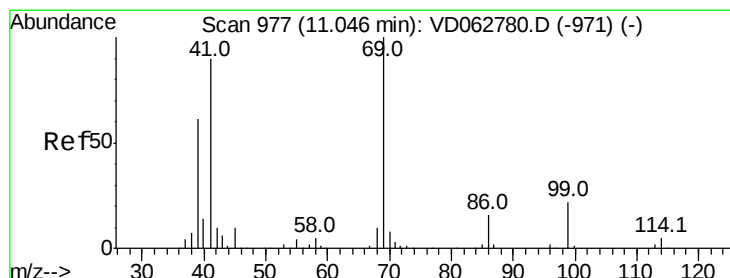
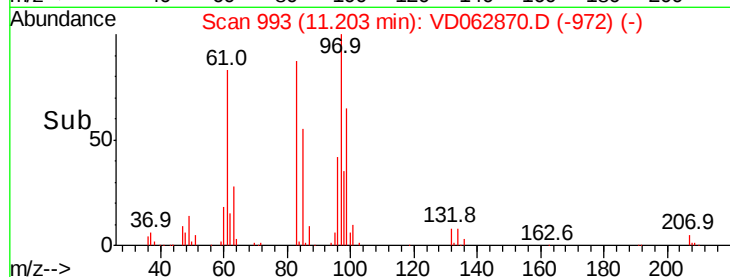
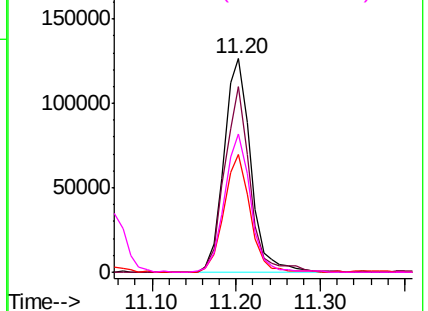


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 51.397 ug/l

RT: 11.06 min Scan# 978

Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

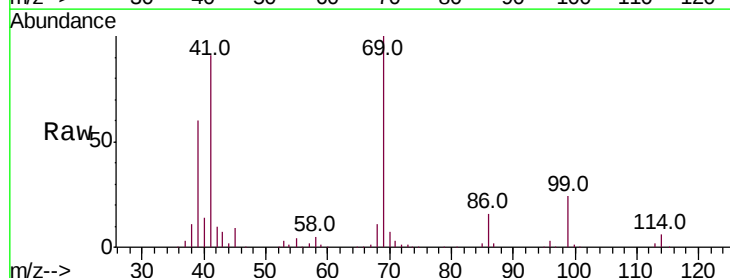
Tgt Ion: 69 Resp: 306701

Ion Ratio Lower Upper

69 100

41 90.7 72.0 108.0

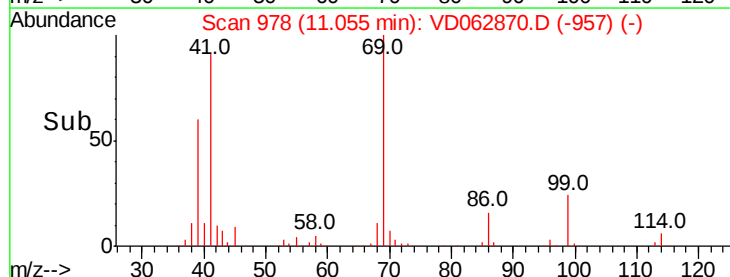
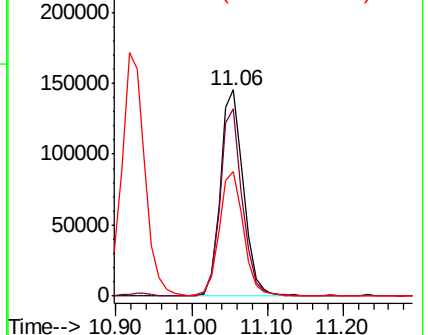
39 60.3 49.5 74.3

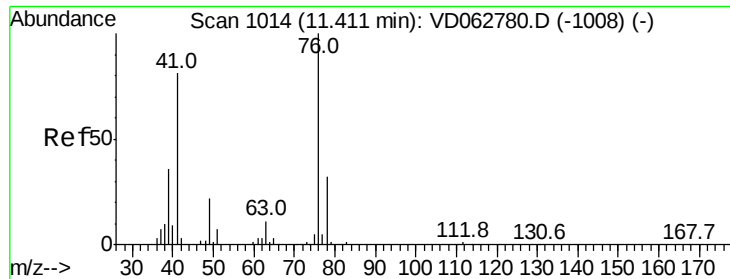


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 52.780 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 451249

Ion Ratio Lower Upper

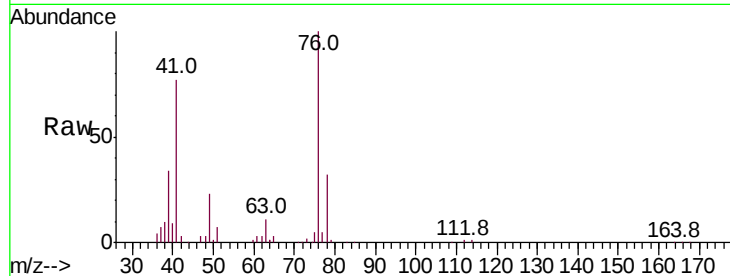
76 100

78 32.4 25.4 38.0

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.42

250000

200000

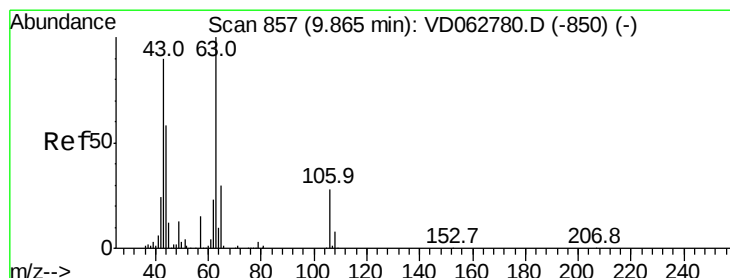
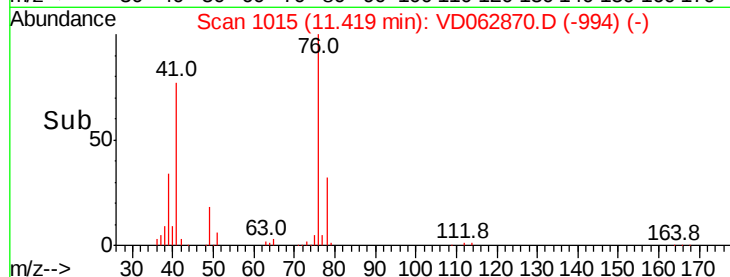
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 275.815 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.01 min

Lab File: VD062870.D

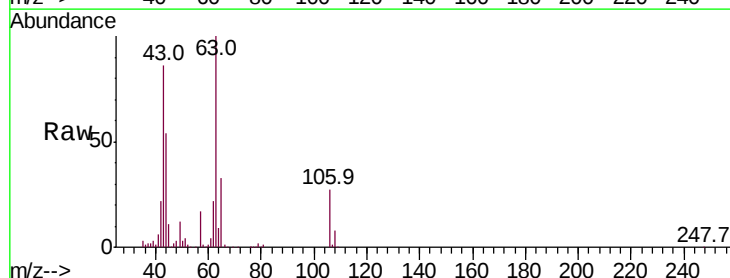
Acq: 25 Jun 2019 9:20

Tgt Ion: 63 Resp: 844963

Ion Ratio Lower Upper

63 100

106 27.2 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.87

400000

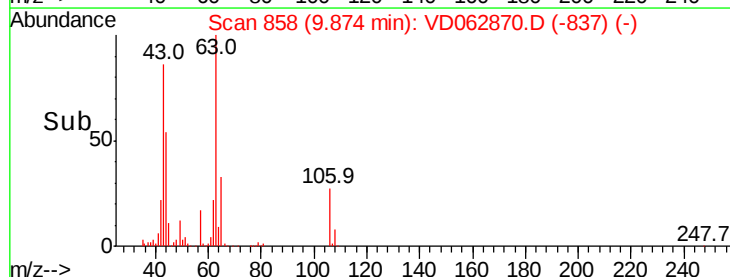
300000

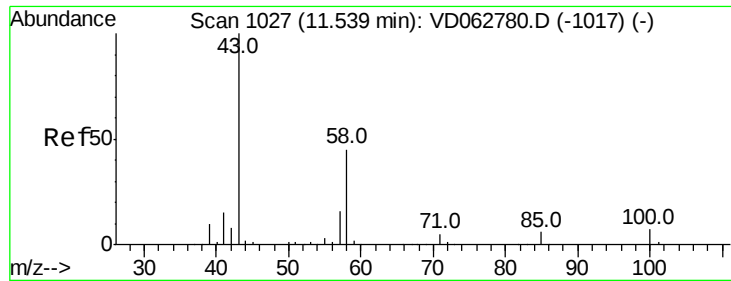
200000

100000

0

Time-->





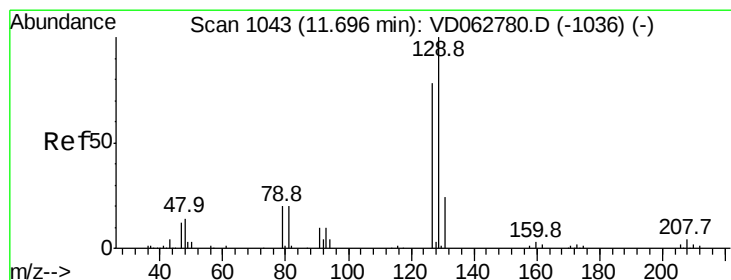
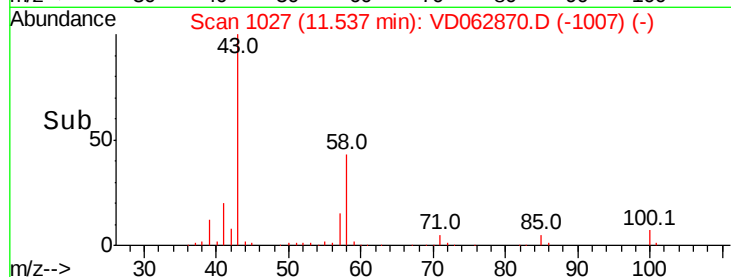
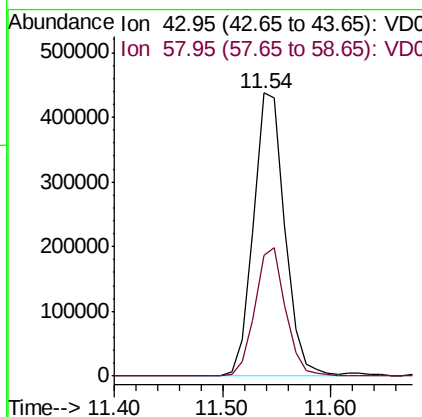
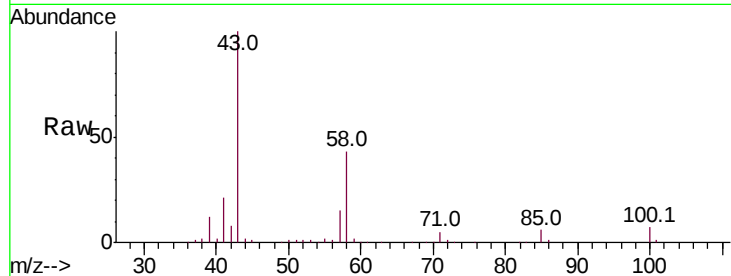
#59
2-Hexanone
Concen: 276.375 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 881242
Ion Ratio Lower Upper
43 100
58 42.5 22.4 67.2

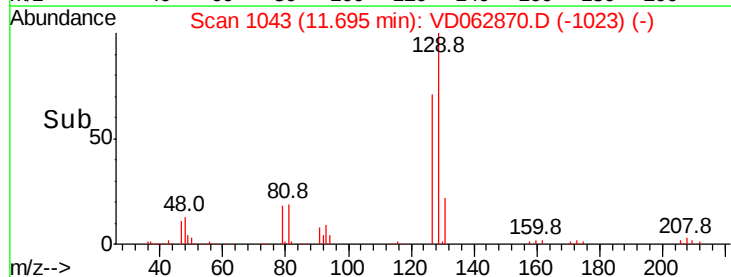
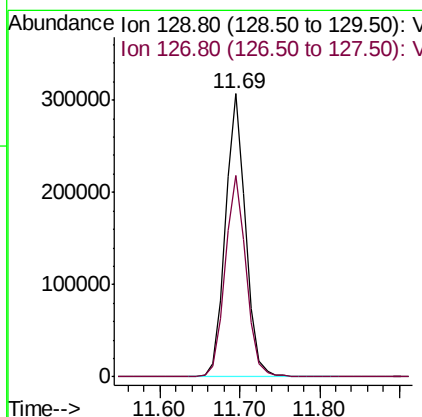
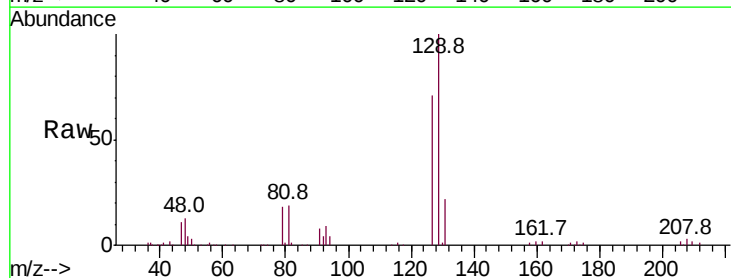
Manual Integrations
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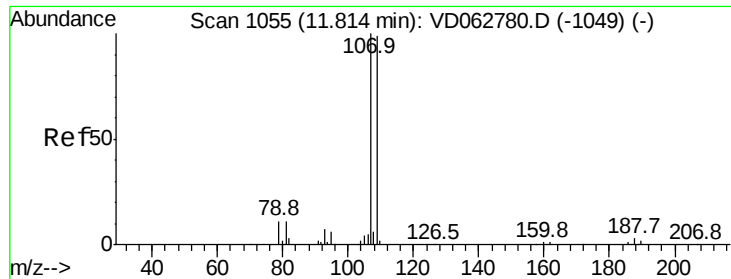
MMDadoda
6/27/2019 12:44:49 AM



#60
Dibromochloromethane
Concen: 52.762 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Tgt Ion:129 Resp: 548755
Ion Ratio Lower Upper
129 100
127 71.3 38.9 116.6





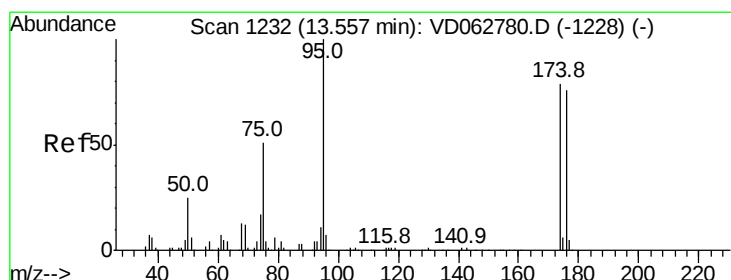
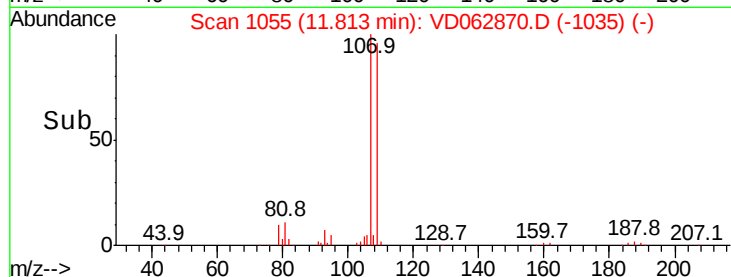
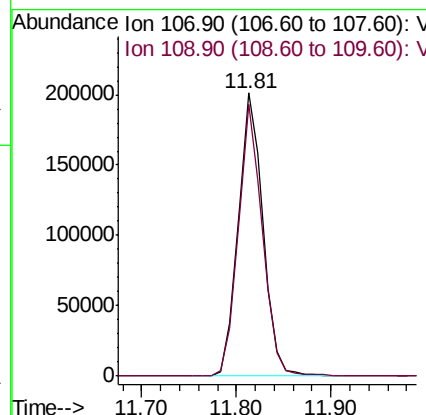
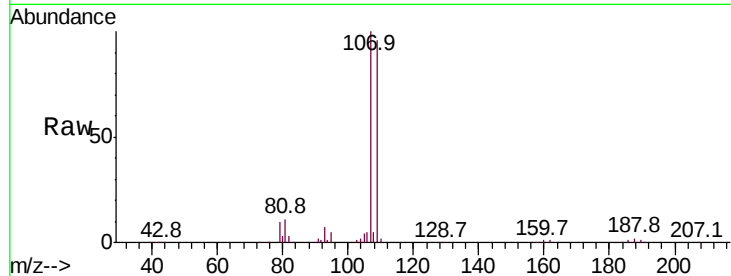
#61
 1,2-Dibromoethane
 Concen: 55.007 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	79.3	118.9

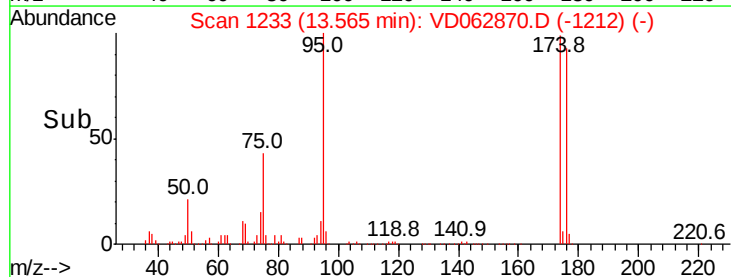
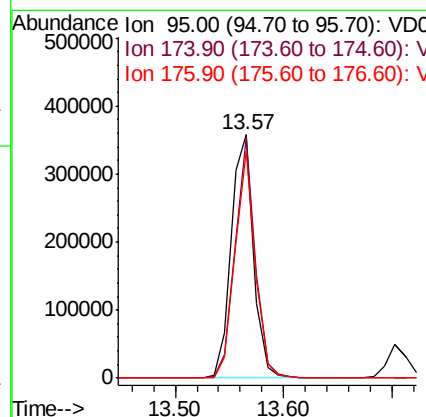
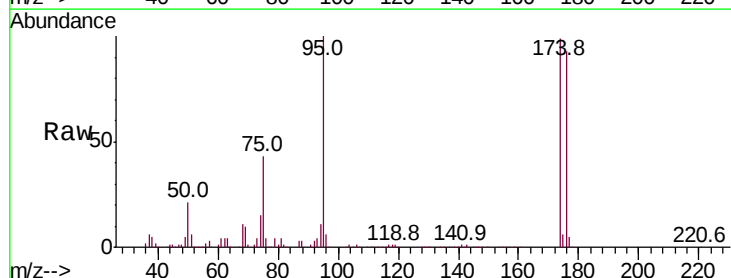
Manual Integrations
 APPROVED

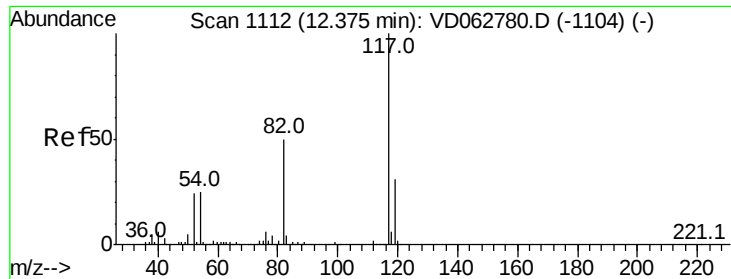
MMDadoda
 6/27/2019 12:44:49 AM



#62
 4-Bromofluorobenzene
 Concen: 48.280 ug/l
 RT: 13.57 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	99.1	0.0	158.0
176	93.1	0.0	151.6





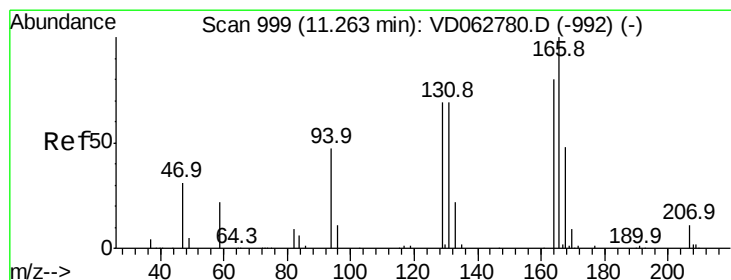
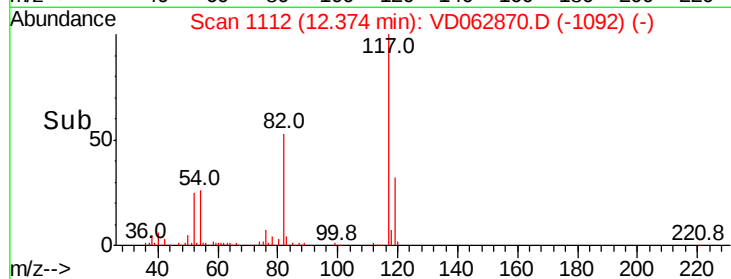
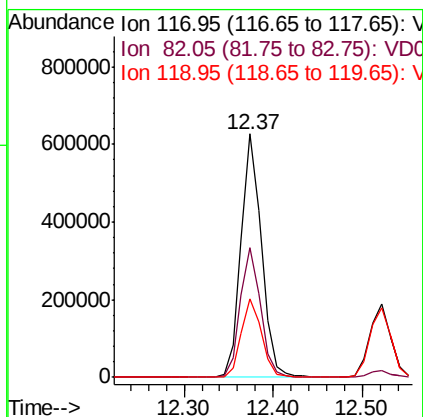
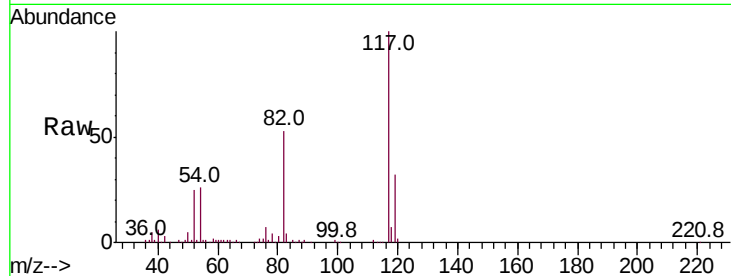
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	40.4	60.6
119	32.3	25.2	37.8

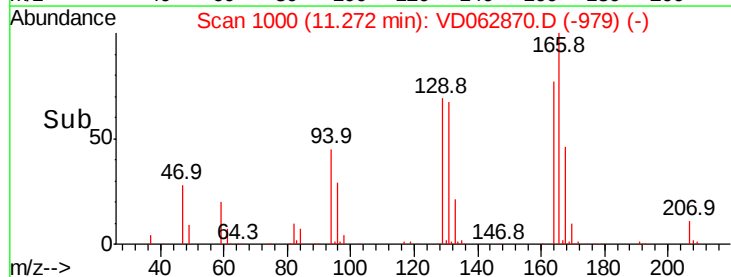
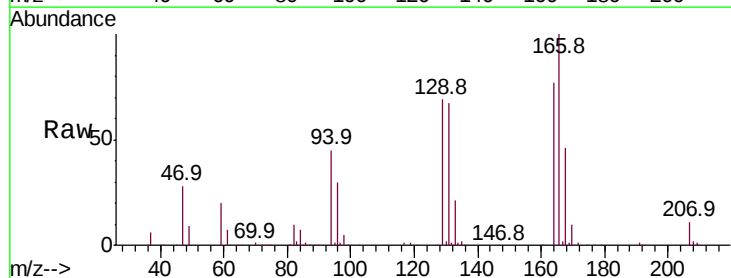
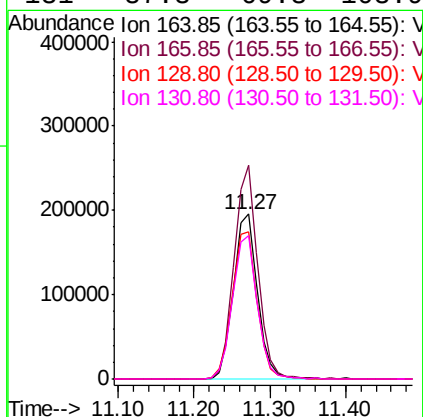
Manual Integrations
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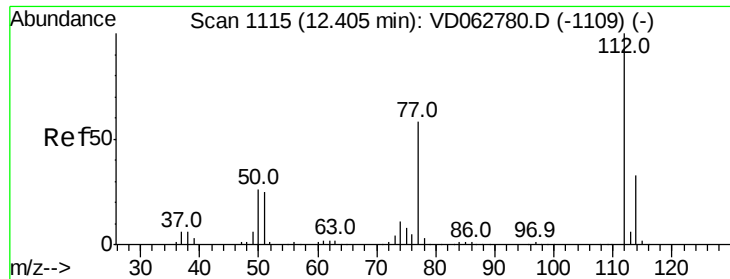
MMDadoda
6/27/2019 12:44:49 AM



#64
Tetrachloroethene
Concen: 51.563 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	100.6	150.8
129	89.3	69.4	104.0
131	87.3	69.3	103.9





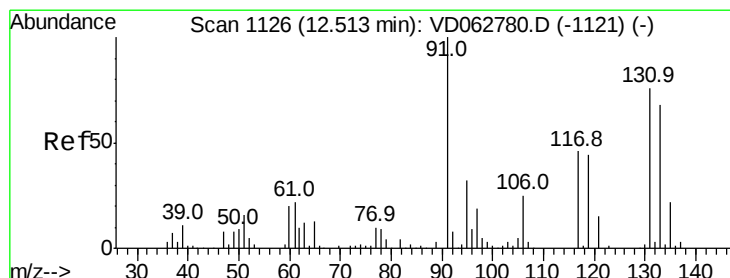
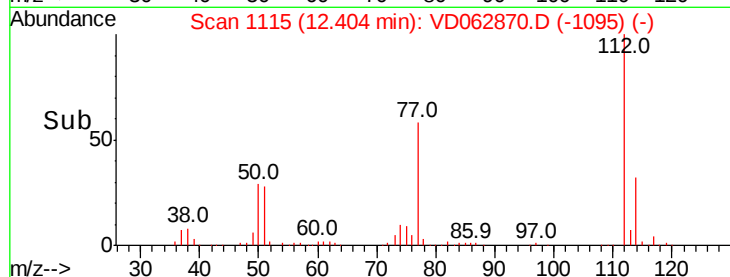
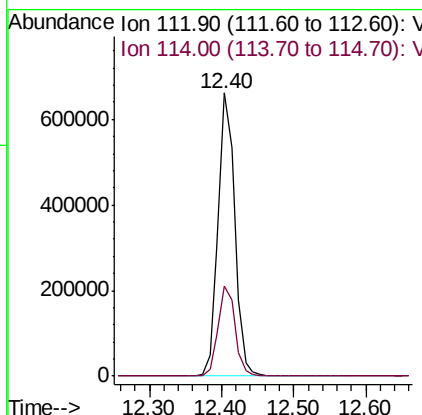
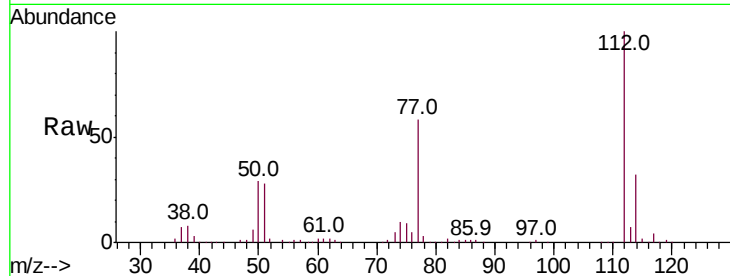
#65
Chlorobenzene
Concen: 56.256 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1051372
Ion Ratio Lower Upper
112 100
114 32.1 26.3 39.5

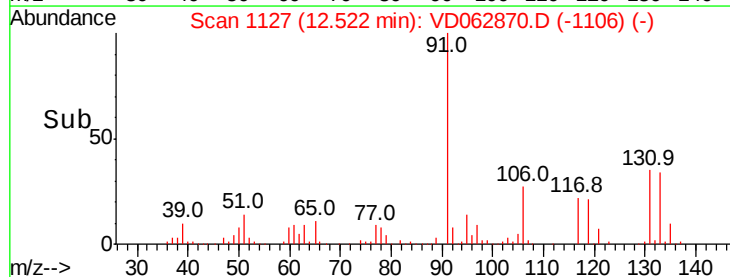
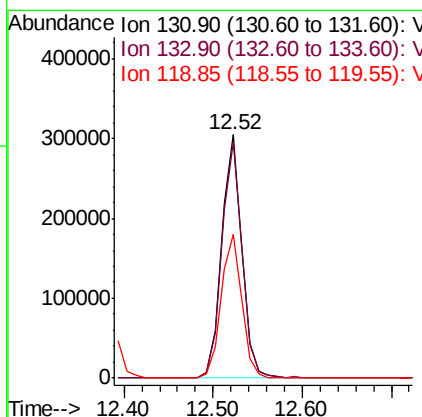
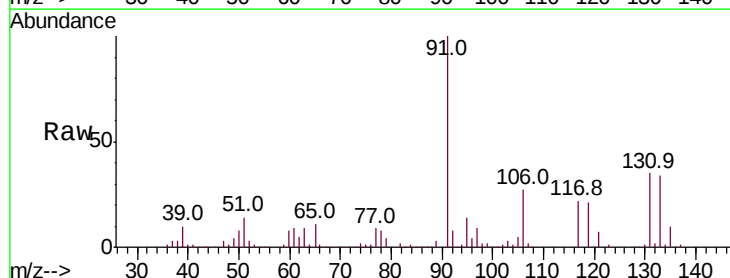
Manual Integrations
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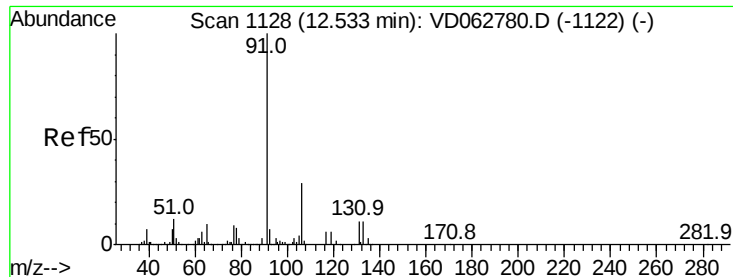
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.974 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Tgt Ion:131 Resp: 489218
Ion Ratio Lower Upper
131 100
133 96.9 44.5 133.3
119 59.1 28.6 85.9





#67

Ethyl Benzene

Concen: 55.794 ug/l

RT: 12.53 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1872104

Ion Ratio Lower Upper

91 100

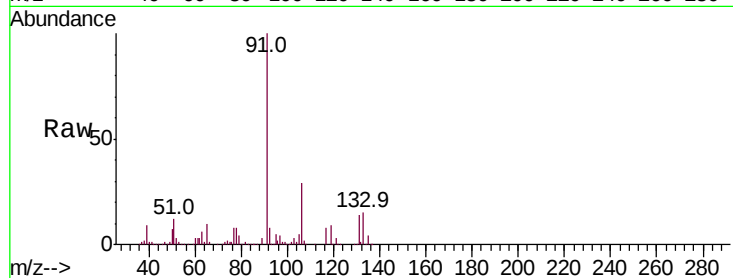
106 29.4 23.1 34.7

Manual Integrations

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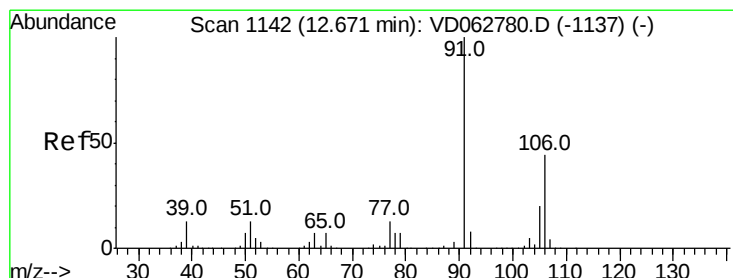
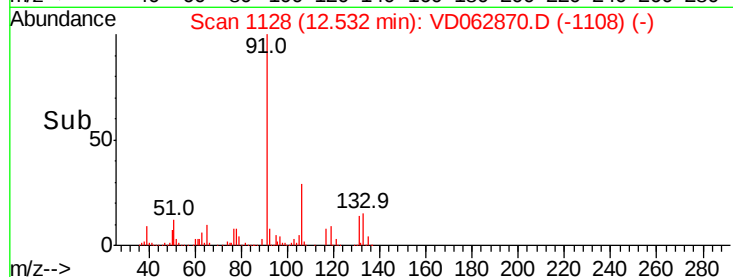
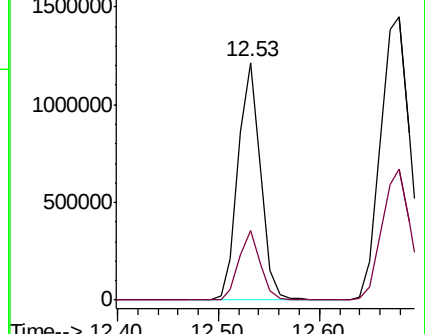
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Abundance Ion 91.00 (90.70 to 91.70): VD062870.D (-1122) (-)

Ion 106.05 (105.75 to 106.75): VD062870.D (-1122) (-)



#68

m/p-Xylenes

Concen: 111.609 ug/l

RT: 12.68 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VD062870.D

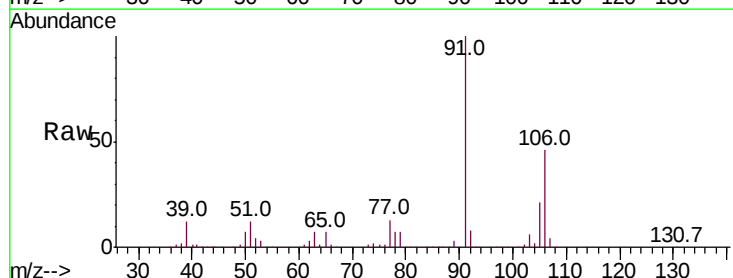
Acq: 25 Jun 2019 9:20

Tgt Ion: 106 Resp: 1304325

Ion Ratio Lower Upper

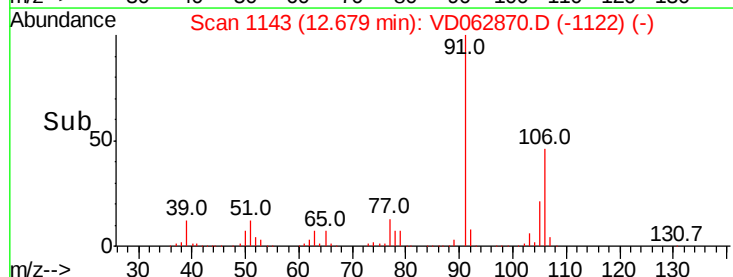
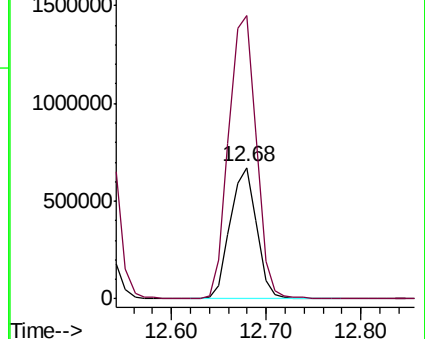
106 100

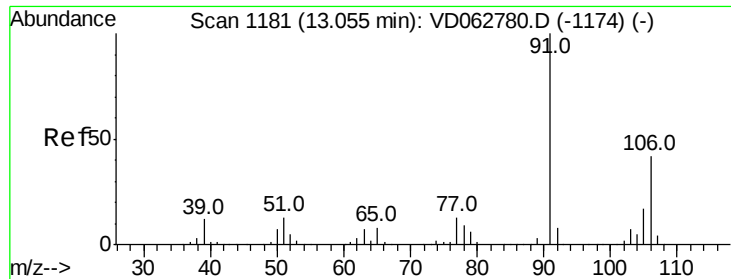
91 215.3 183.0 274.6



Abundance Ion 106.05 (105.75 to 106.75): VD062870.D (-1142) (-)

Ion 91.00 (90.70 to 91.70): VD062870.D (-1142) (-)





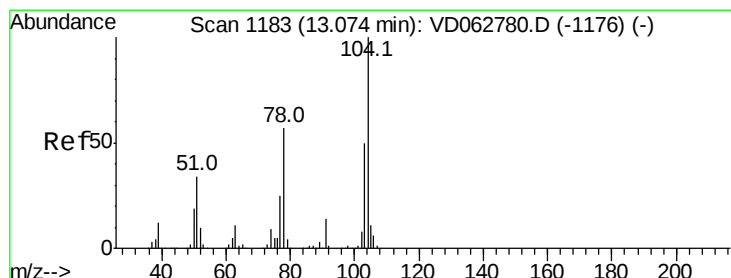
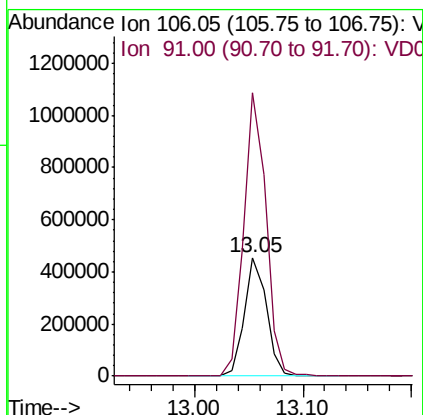
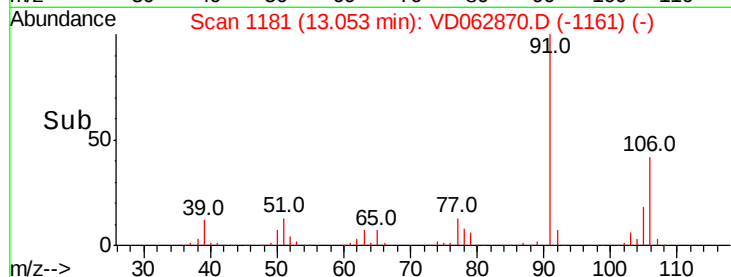
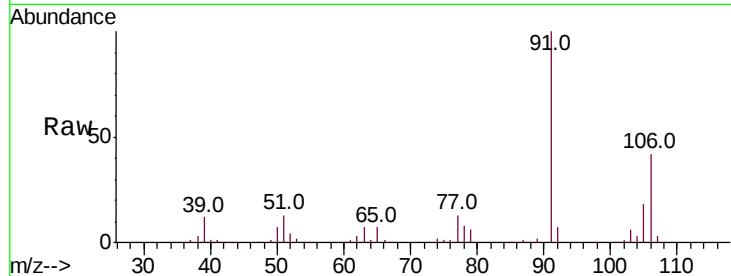
#69
o-Xylene
Concen: 60.974 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 651397
Ion Ratio Lower Upper
106 100
91 238.9 117.9 353.6

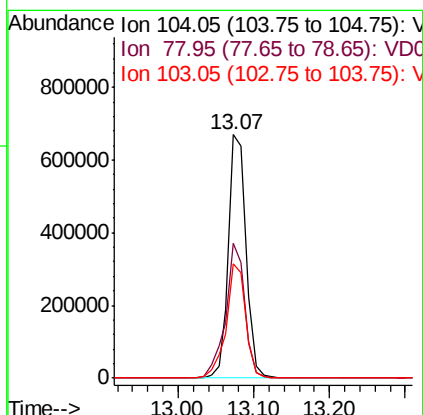
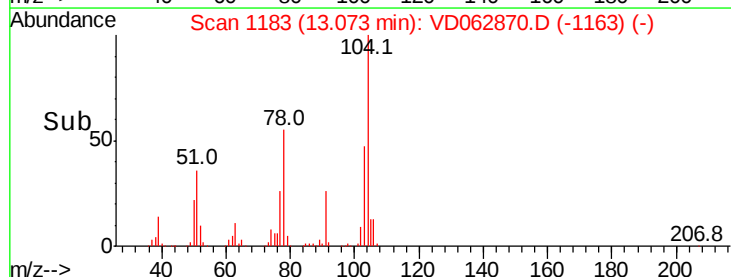
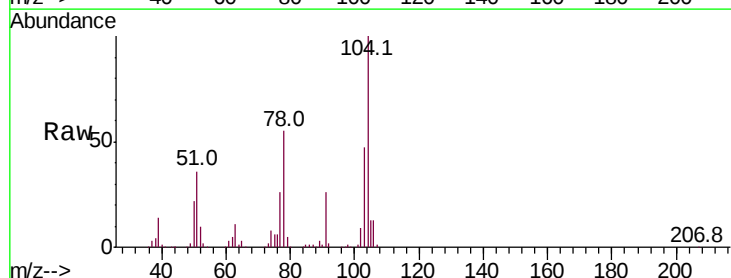
Manual Integrations
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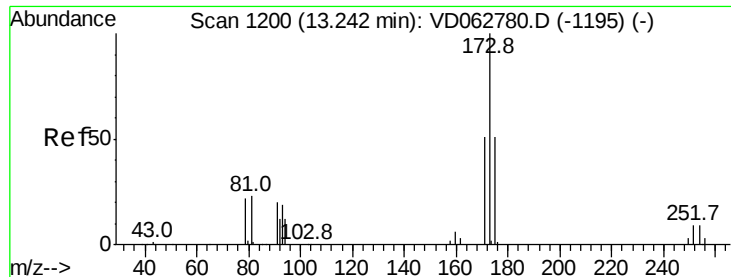
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#70
Styrene
Concen: 57.140 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Tgt Ion:104 Resp: 1072211
Ion Ratio Lower Upper
104 100
78 55.3 45.4 68.2
103 46.8 39.7 59.5





#71

Bromoform

Concen: 58.378 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 349579

Ion Ratio Lower Upper

173 100

175 48.0 25.3 75.9

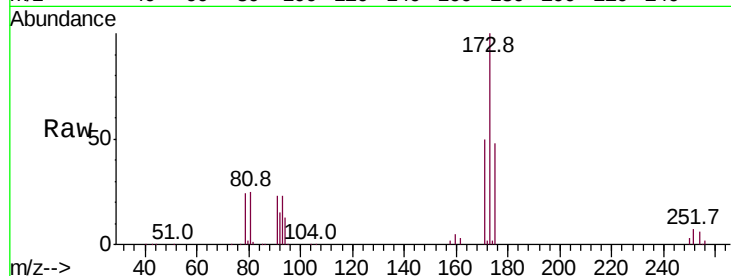
254 6.2 7.1 10.7#

Manual Integrations

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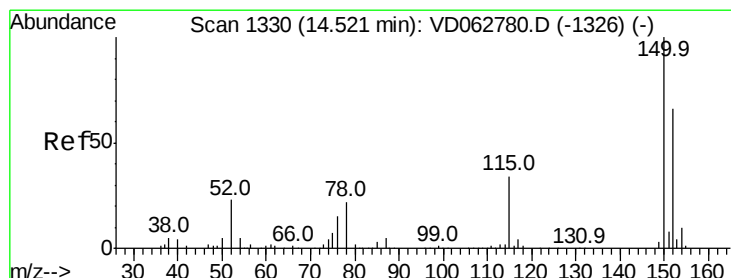
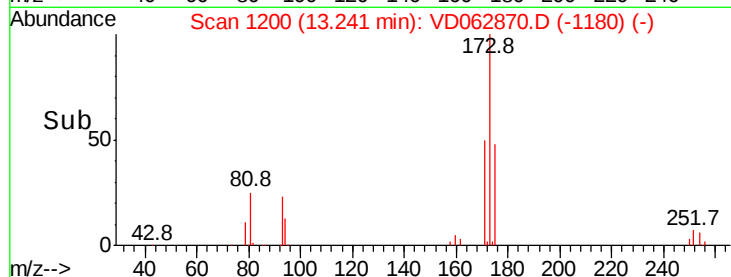
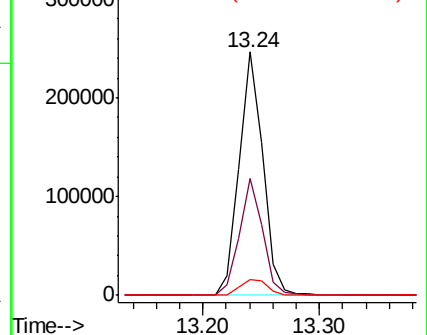
6/27/2019 12:44:49 AM



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: VD062870.D

Acq: 25 Jun 2019 9:20

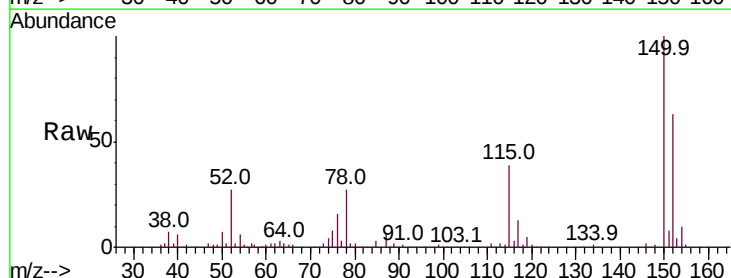
Tgt Ion:152 Resp: 588335

Ion Ratio Lower Upper

152 100

115 63.0 29.2 87.6

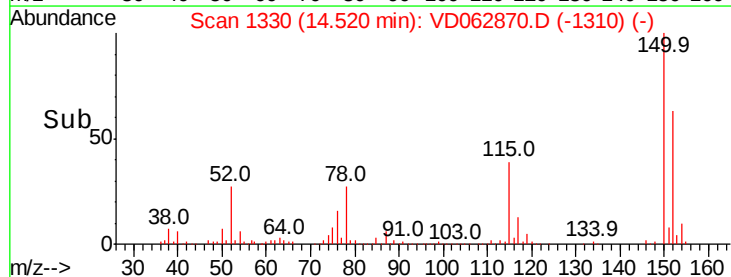
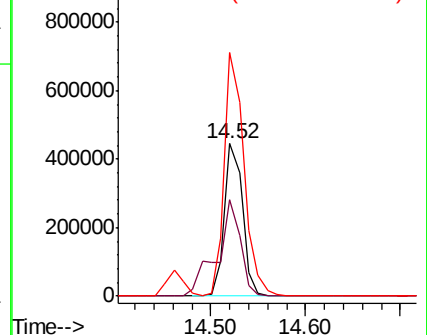
150 159.6 0.0 305.8

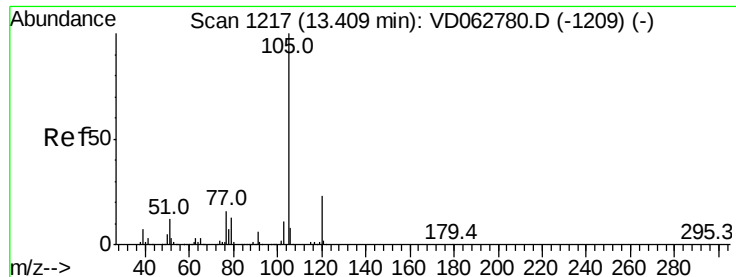


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.978 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1885330

Ion Ratio Lower Upper

105 100

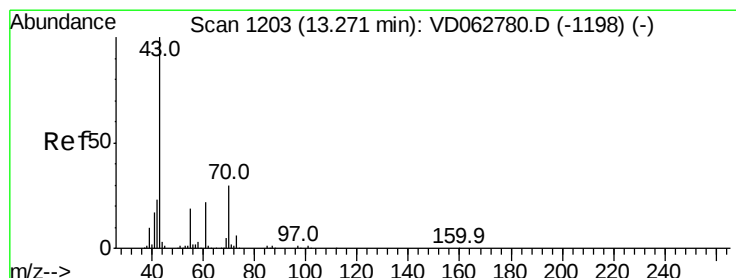
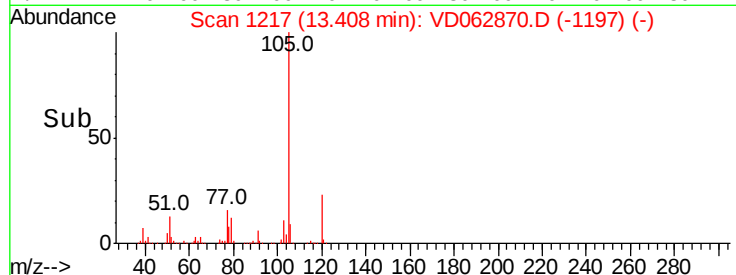
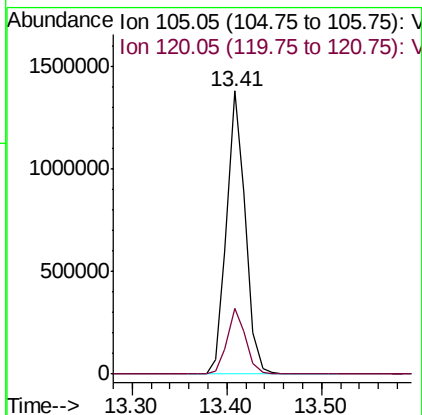
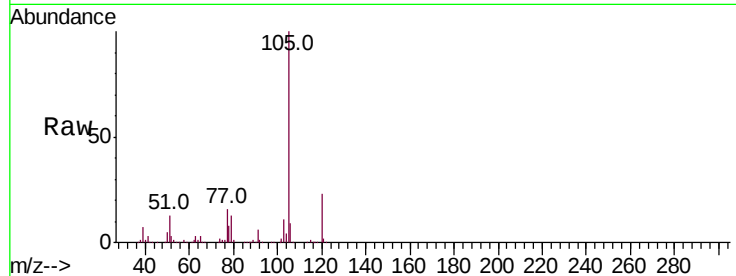
120 23.0 11.6 34.7

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#74

N-ethyl acetate

Concen: 53.386 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Tgt Ion: 43 Resp: 489068

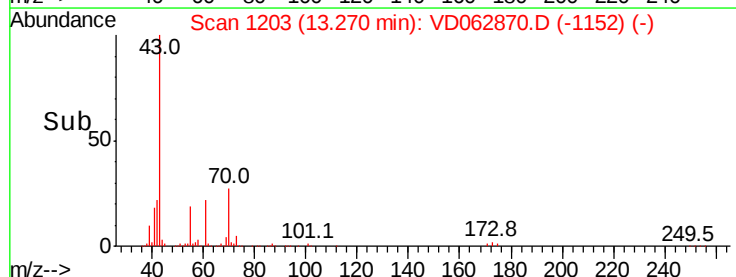
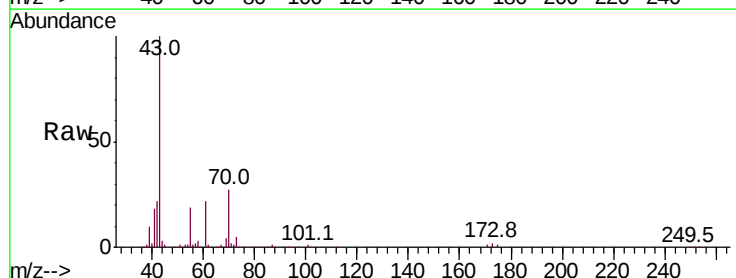
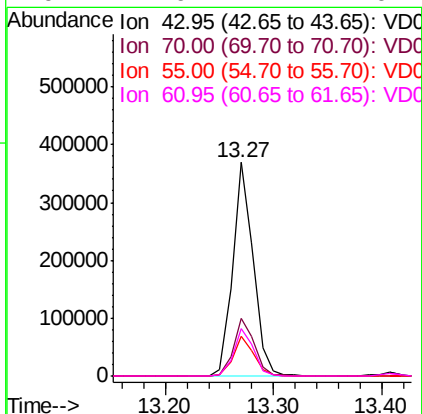
Ion Ratio Lower Upper

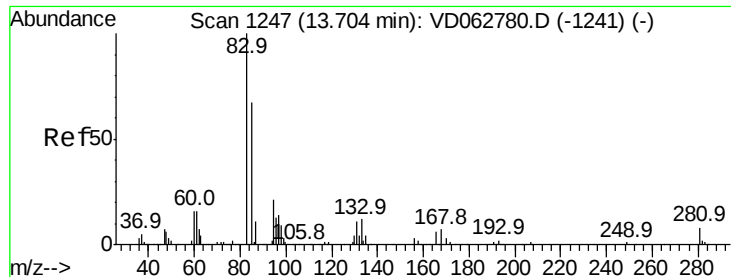
43 100

70 26.8 24.4 36.6

55 18.7 15.2 22.8

61 21.9 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 51.471 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 316360

Ion Ratio Lower Upper

83 100

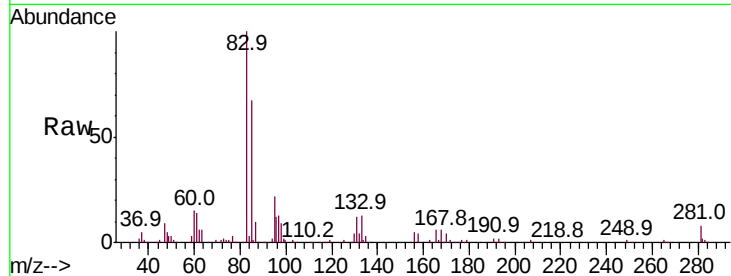
131 11.6 5.3 16.1

85 66.7 33.7 101.1

Manual Integrations
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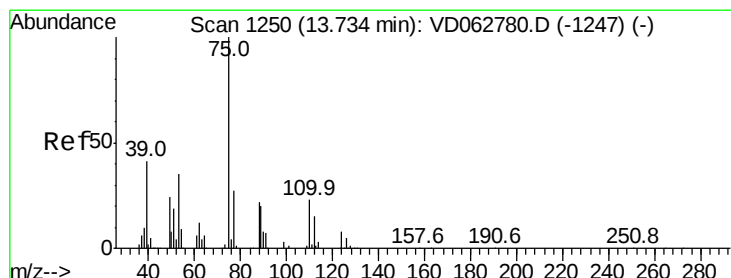
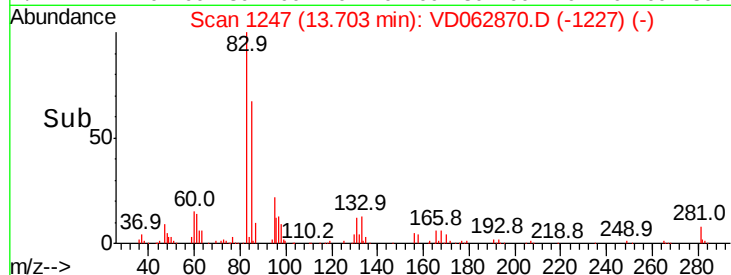
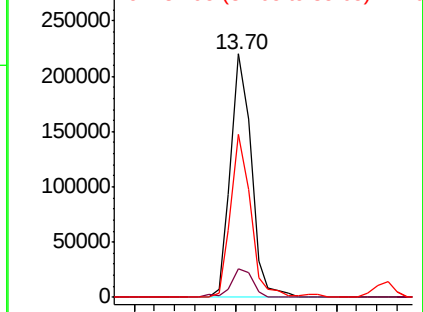
6/27/2019 12:44:49 AM



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 51.170 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062870.D

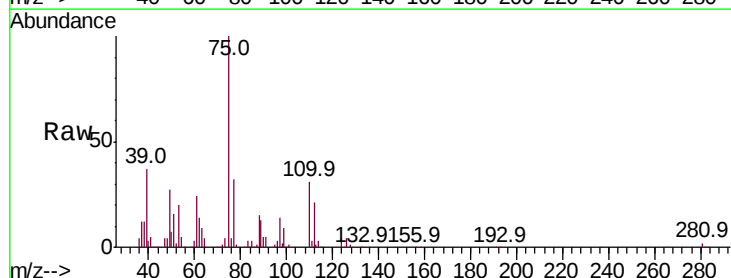
Acq: 25 Jun 2019 9:20

Tgt Ion: 75 Resp: 347544

Ion Ratio Lower Upper

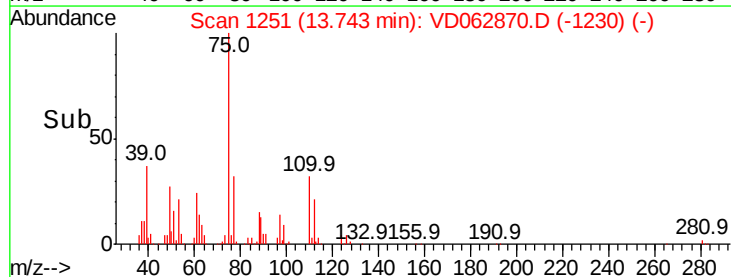
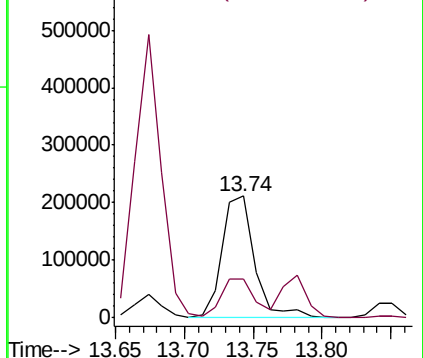
75 100

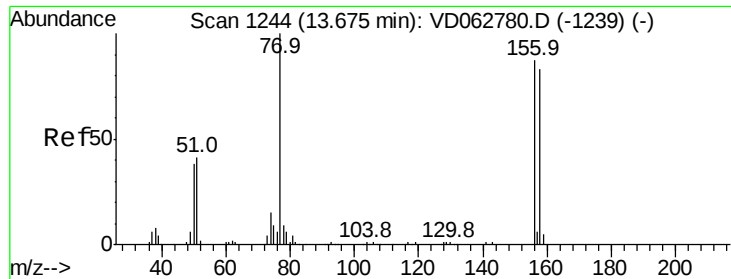
77 32.1 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 51.625 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 523804

Ion Ratio Lower Upper

156 100

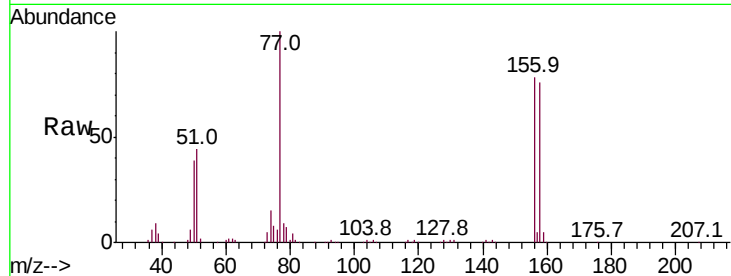
77 128.8 57.7 173.1

158 97.9 47.7 143.1

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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V

600000

400000

200000

0

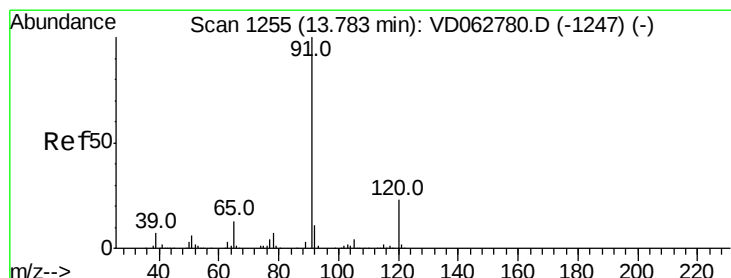
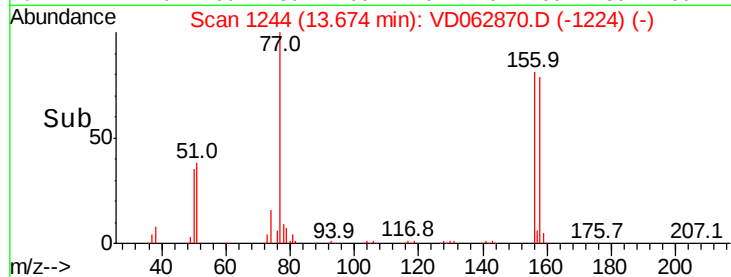
13.67

13.60

13.70

13.80

Time-->



#78

n-propylbenzene

Concen: 52.109 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062870.D

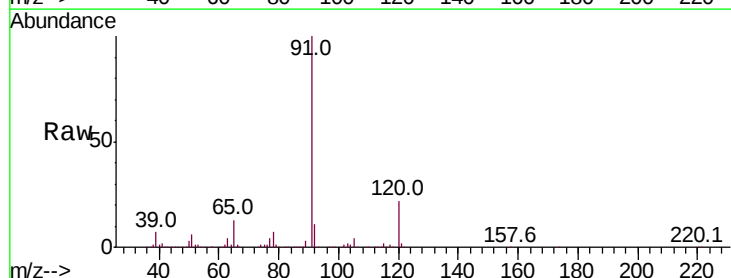
Acq: 25 Jun 2019 9:20

Tgt Ion: 91 Resp: 2287907

Ion Ratio Lower Upper

91 100

120 21.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

2000000

1500000

1000000

500000

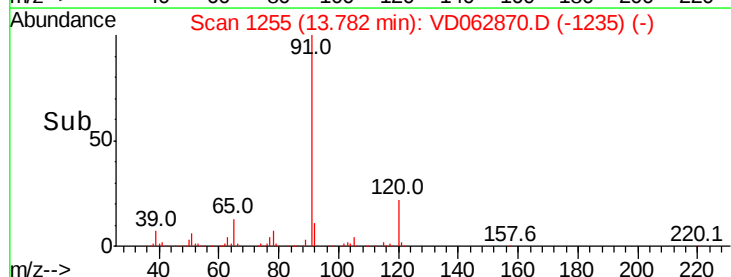
0

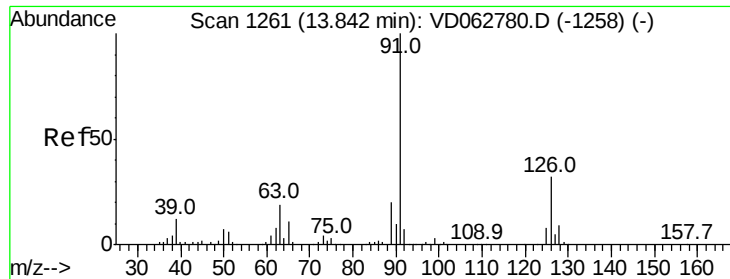
13.78

13.70

13.80

Time-->





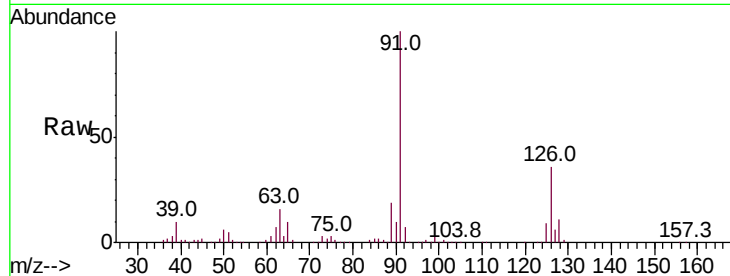
#79
2-Chlorotoluene
Concen: 49.450 ug/l
RT: 13.85 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

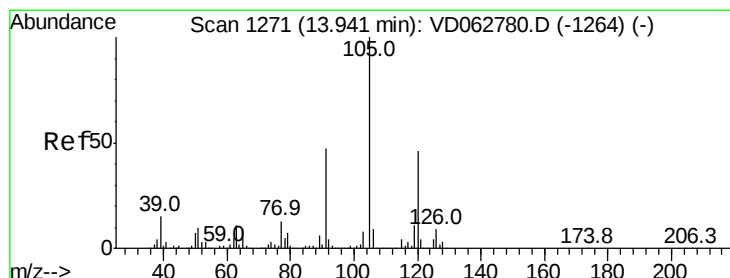
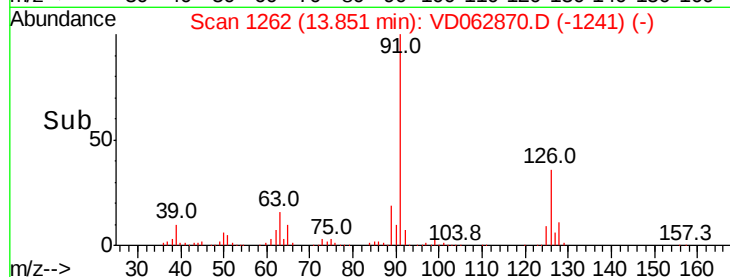
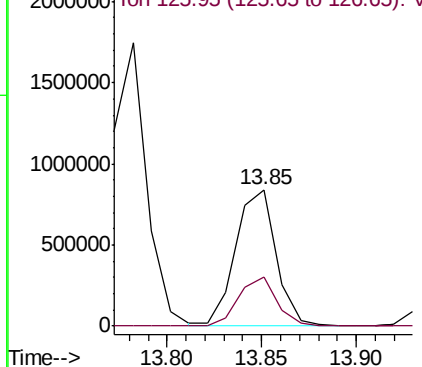
Tot Ion: 91 Resp: 1240773
Ion Ratio Lower Upper
91 100
126 35.6 15.7 47.1

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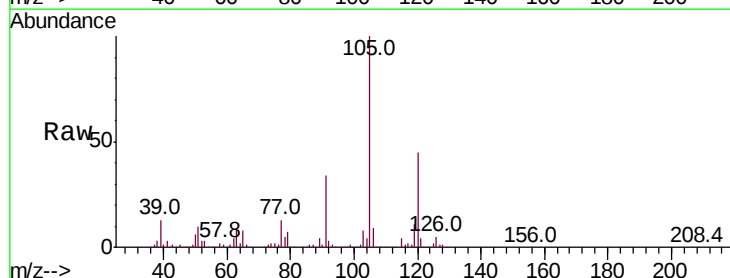


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

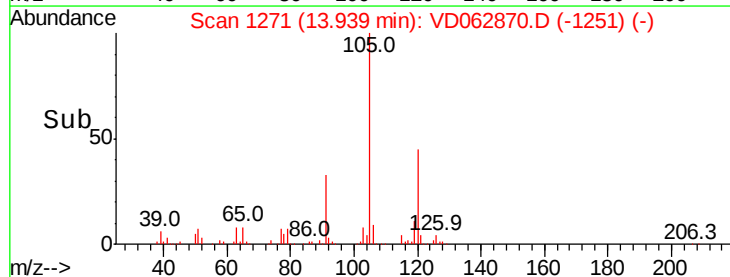
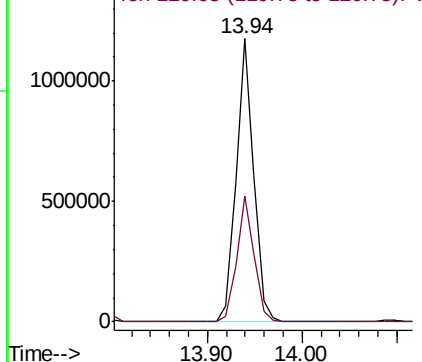


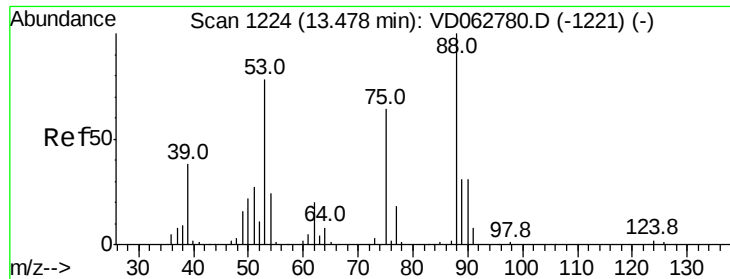
#80
1,3,5-Trimethylbenzene
Concen: 47.418 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Tgt Ion:105 Resp: 1502496
Ion Ratio Lower Upper
105 100
120 44.7 23.1 69.2



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





#81

trans-1,4-Dichloro-2-butene

Concen: 50.927 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

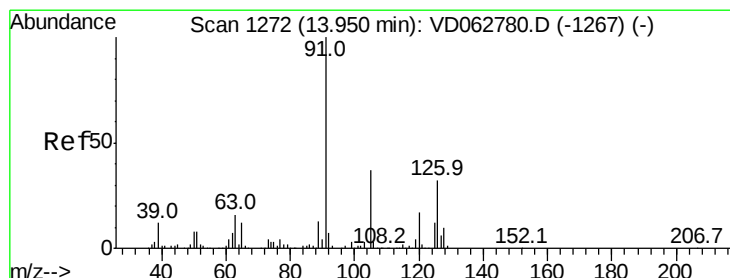
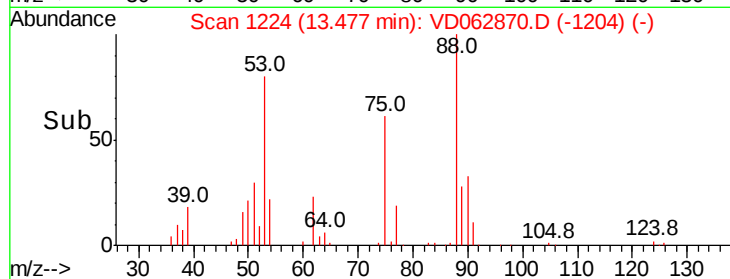
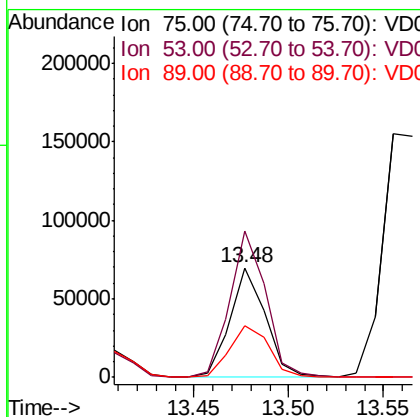
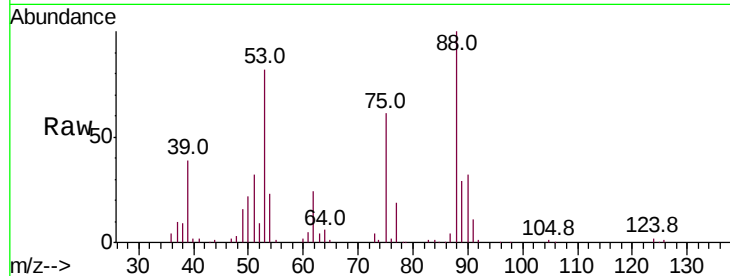
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	90653
Ion	Ratio	Lower	Upper
75	100		
53	133.9	97.8	146.8
89	47.0	39.4	59.2

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#82

4-Chlorotoluene

Concen: 48.051 ug/l

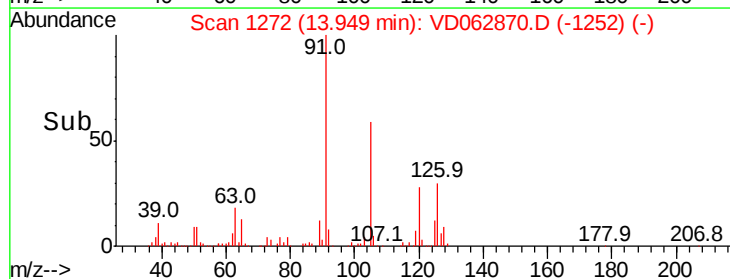
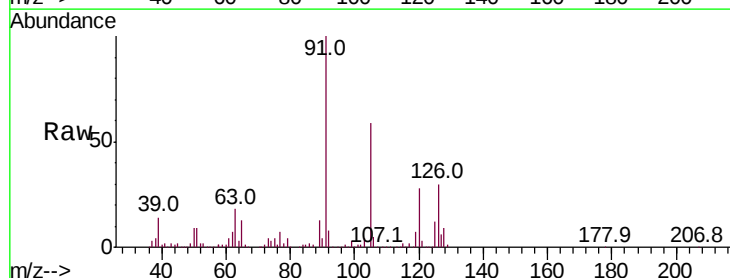
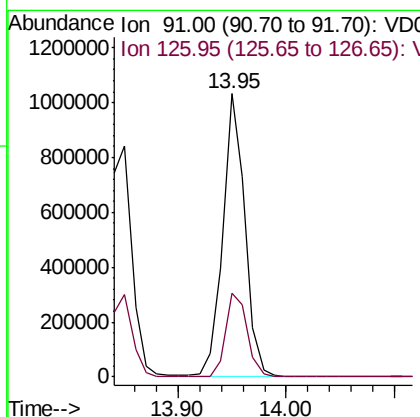
RT: 13.95 min Scan# 1272

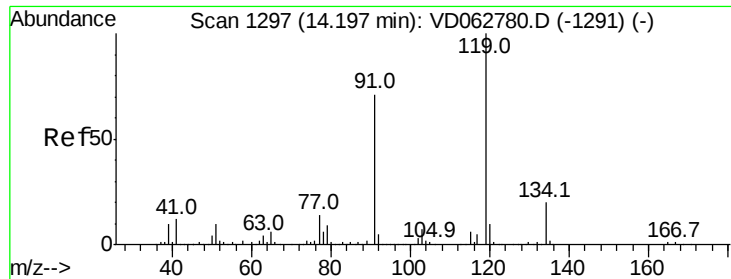
Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Tgt Ion:	91	Resp:	1451516
Ion	Ratio	Lower	Upper
91	100		
126	29.7	16.0	47.9





#83
 tert-Butylbenzene
 Concen: 52.886 ug/l
 RT: 14.20 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

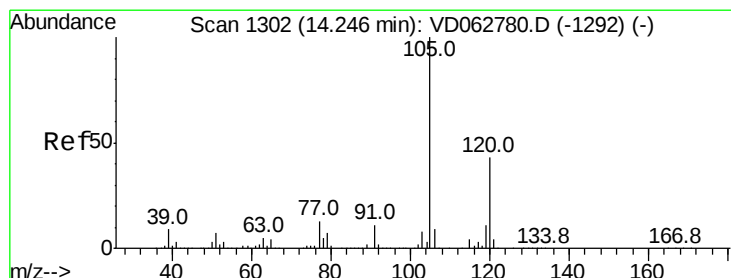
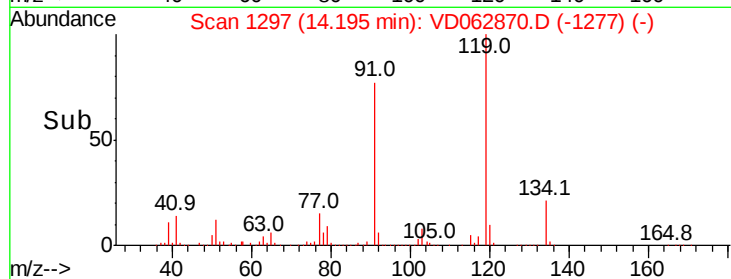
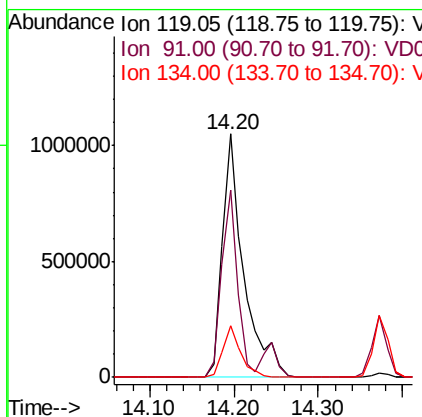
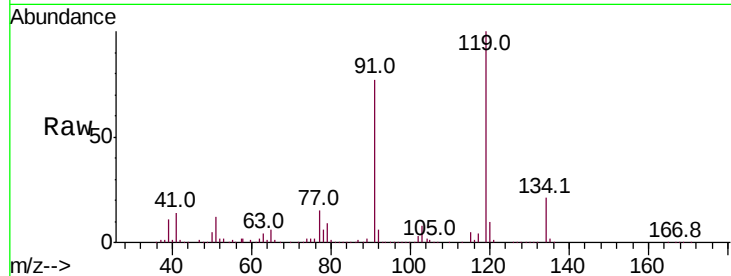
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1867869

Ion	Ratio	Lower	Upper
119	100		
91	77.0	35.5	106.5
134	21.2	10.2	30.6

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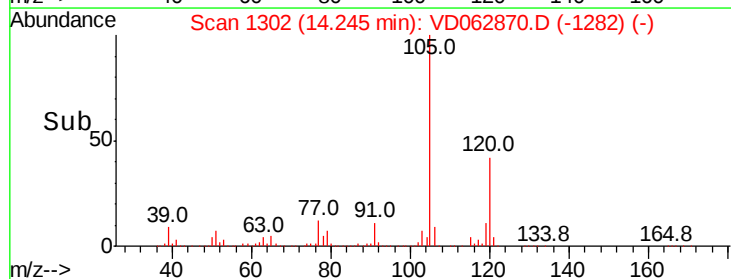
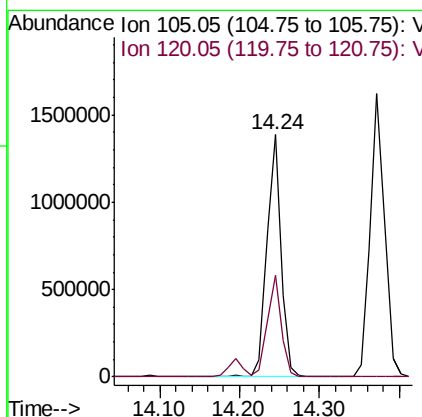
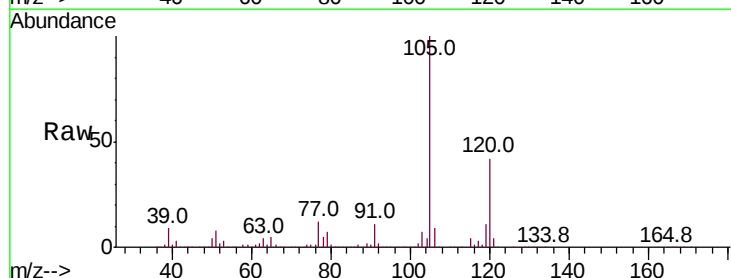
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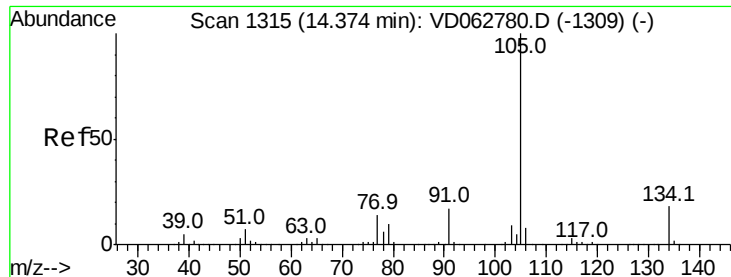


#84
 1,2,4-Trimethylbenzene
 Concen: 52.622 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Tgt Ion:105 Resp: 1708989

Ion	Ratio	Lower	Upper
105	100		
120	42.0	21.3	63.9





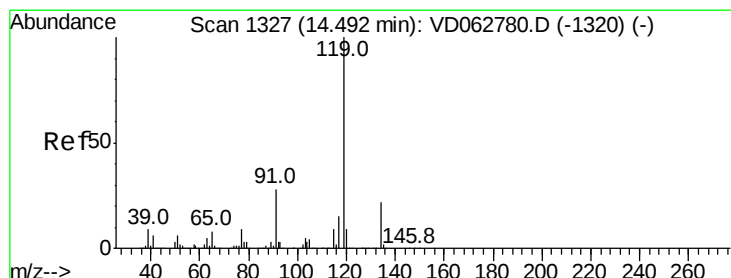
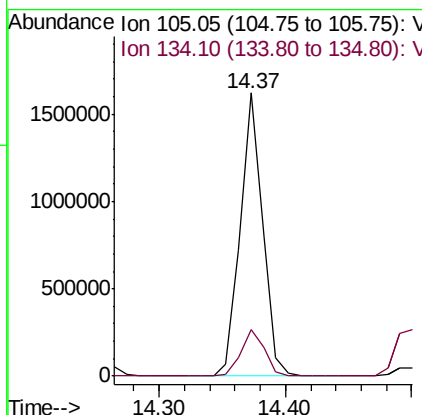
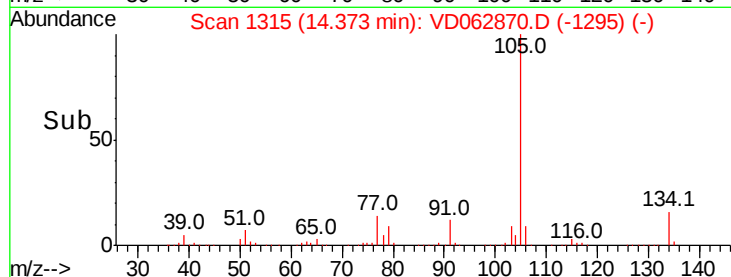
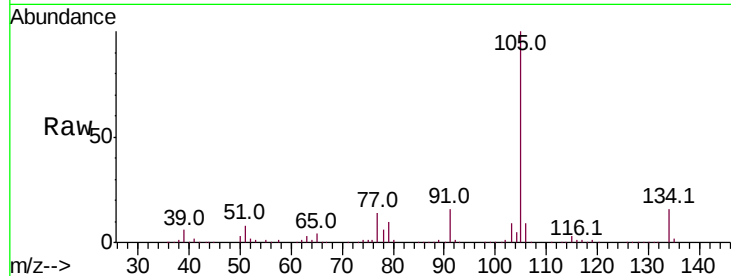
#85
 sec-Butylbenzene
 Concen: 51.428 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1974157
 Ion Ratio Lower Upper
 105 100
 134 16.3 9.1 27.3

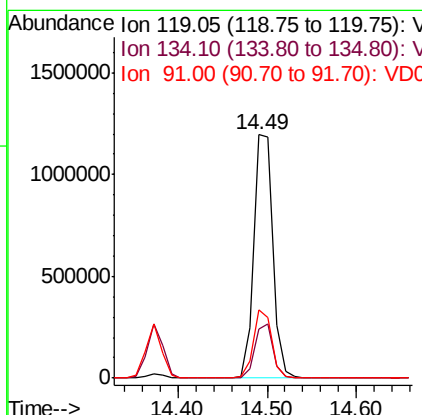
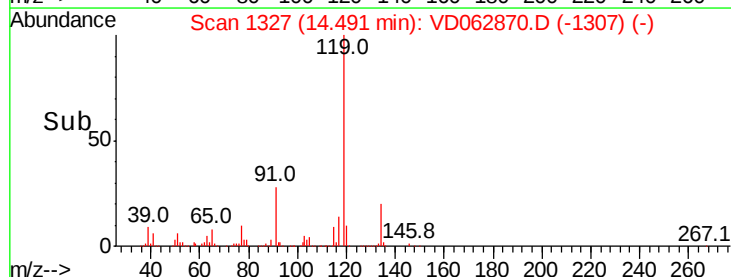
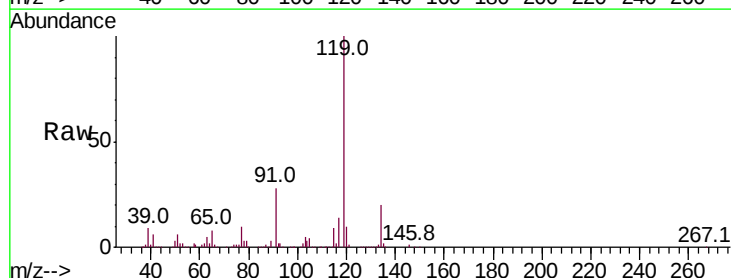
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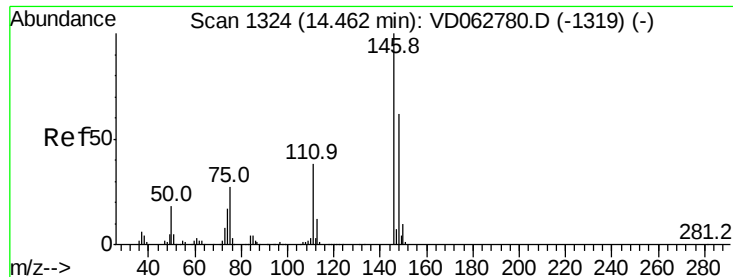
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#86
 p-Isopropyltoluene
 Concen: 49.779 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Tgt Ion:119 Resp: 1748104
 Ion Ratio Lower Upper
 119 100
 134 20.2 11.1 33.1
 91 28.1 14.0 41.9





#87

1,3-Dichlorobenzene

Concen: 51.660 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VD062870.D

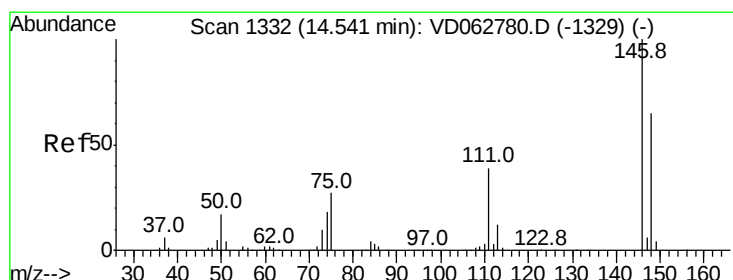
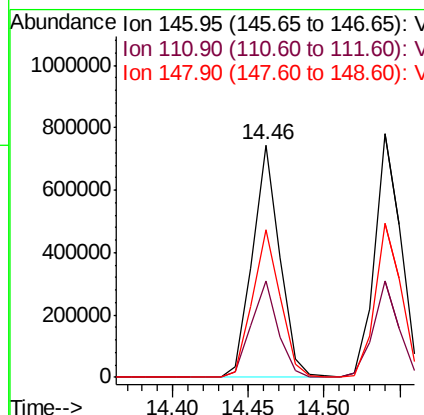
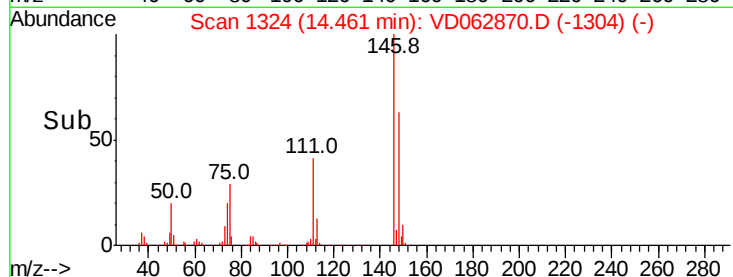
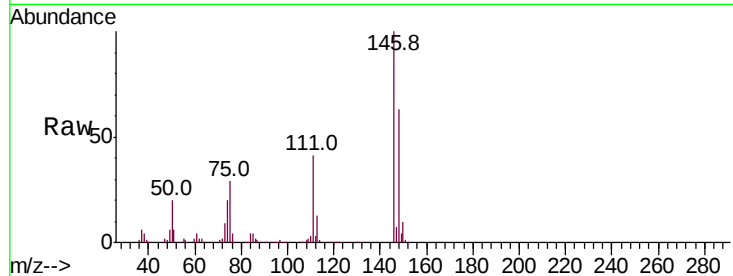
Acq: 25 Jun 2019 9:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.0	57.0
148	63.5	30.8	92.3

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#88

1,4-Dichlorobenzene

Concen: 51.686 ug/l

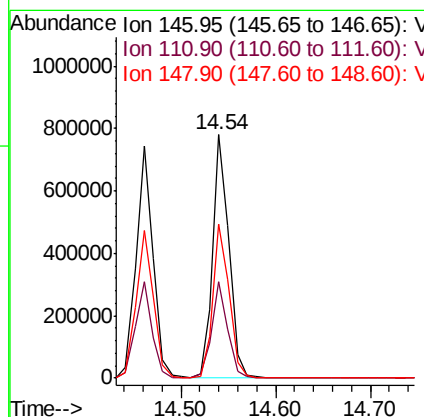
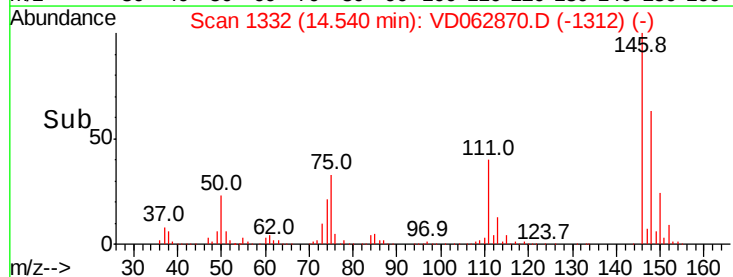
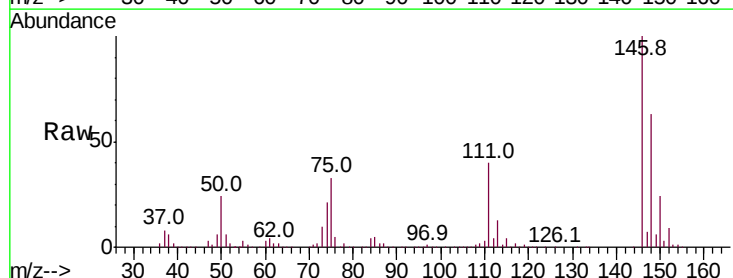
RT: 14.54 min Scan# 1332

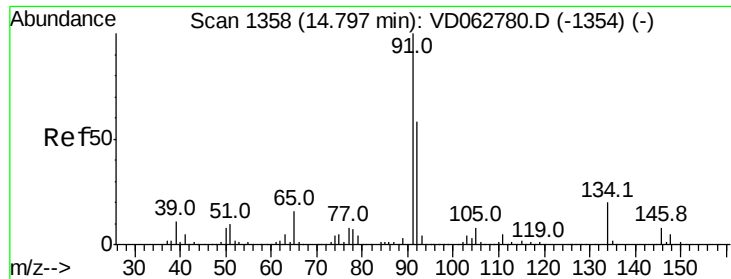
Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.1
148	63.1	32.8	98.3





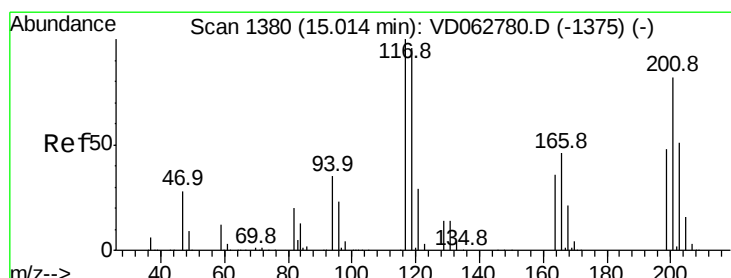
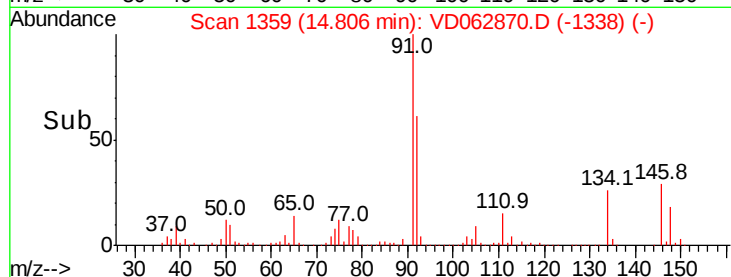
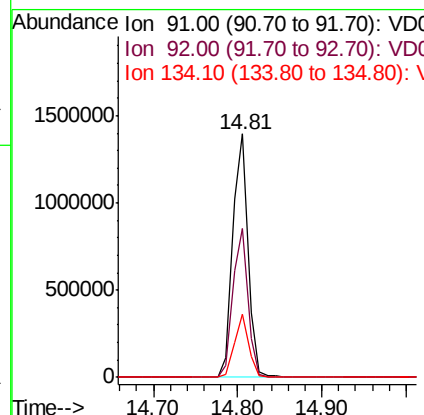
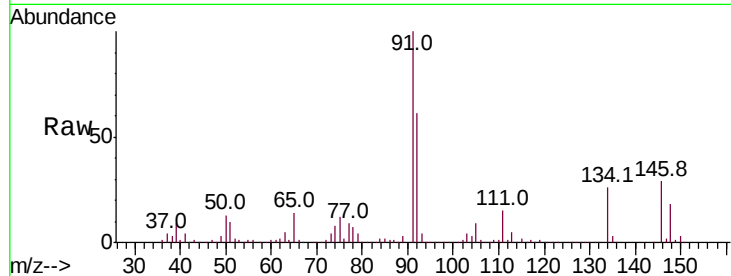
#89
n-Butylbenzene
Concen: 53.296 ug/l
RT: 14.81 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1751766
Ion Ratio Lower Upper
91 100
92 61.2 28.9 86.7
134 26.2 10.1 30.3

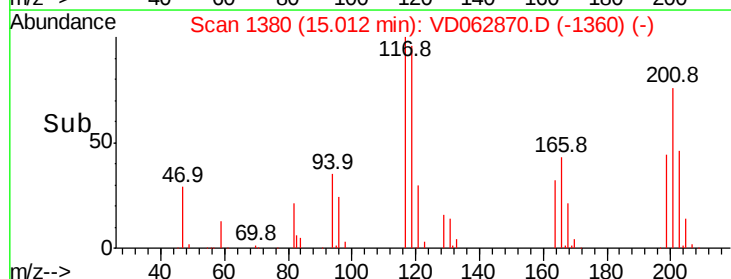
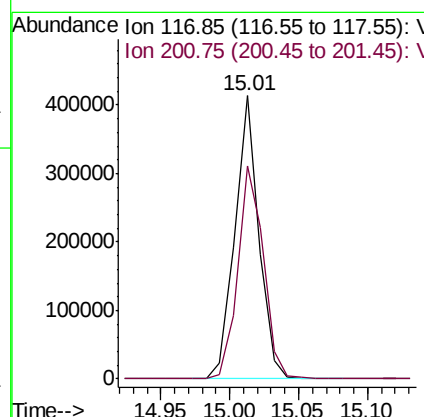
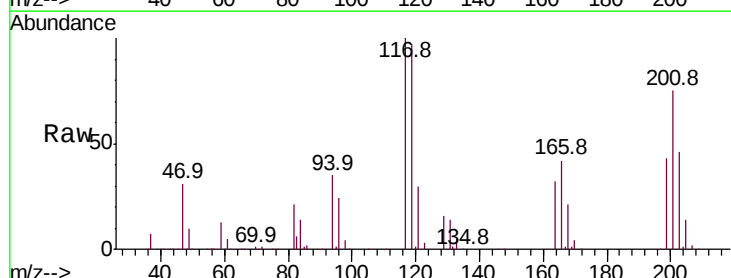
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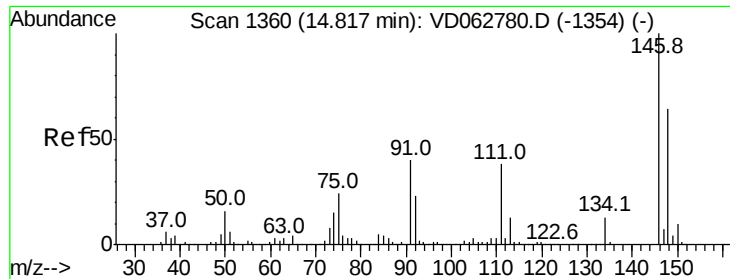
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#90
Hexachloroethane
Concen: 52.637 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Tgt Ion: 117 Resp: 497006
Ion Ratio Lower Upper
117 100
201 75.4 40.8 122.2





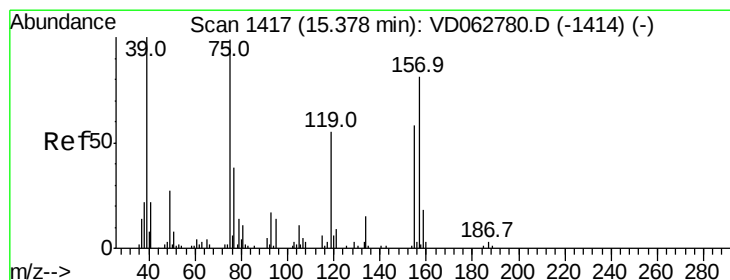
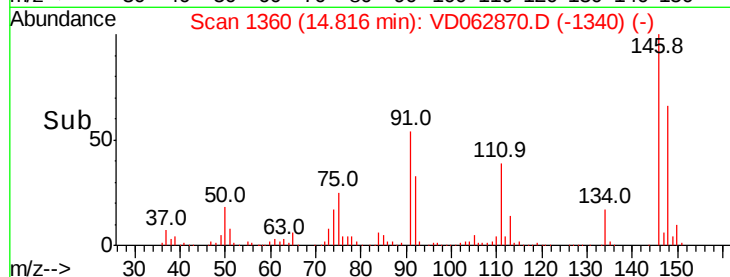
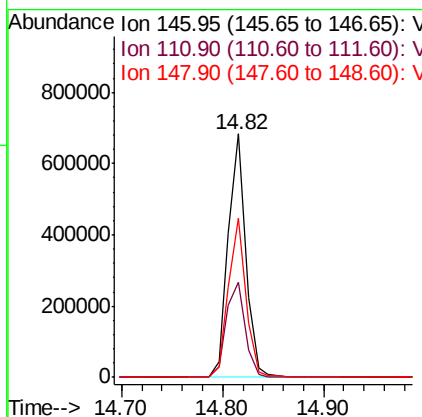
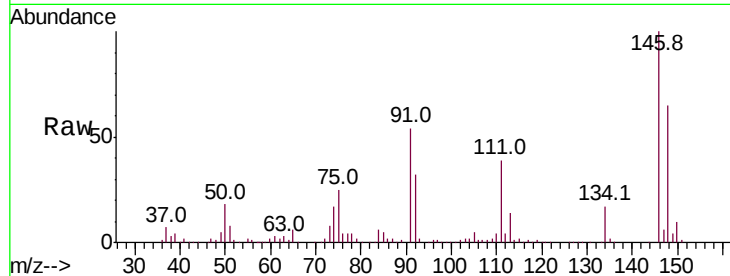
#91
 1,2-Dichlorobenzene
 Concen: 53.352 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.1	57.1
148	65.5	32.3	96.8

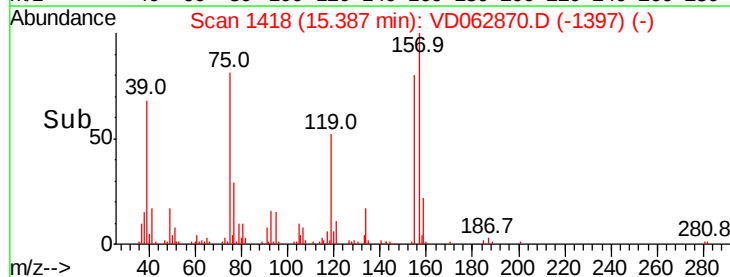
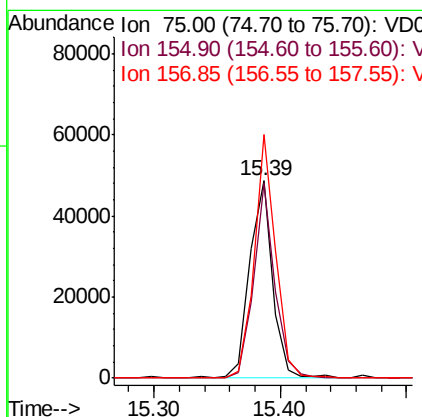
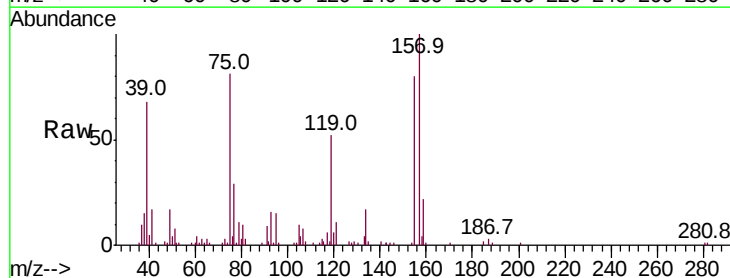
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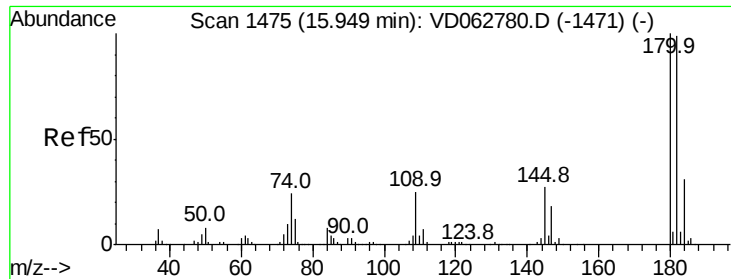
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.196 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.0	29.3	87.8#
157	123.5	41.3	123.7





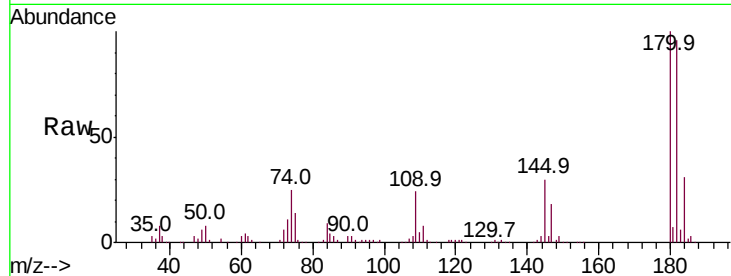
#93
 1,2,4-Trichlorobenzene
 Concen: 53.588 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

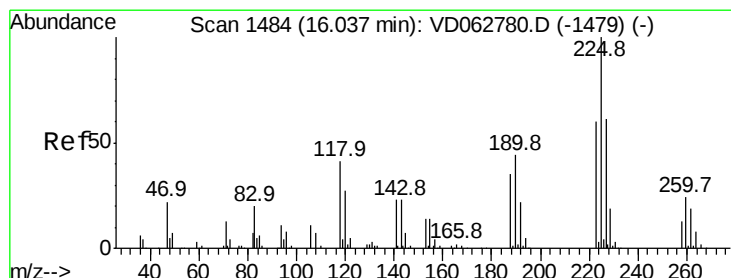
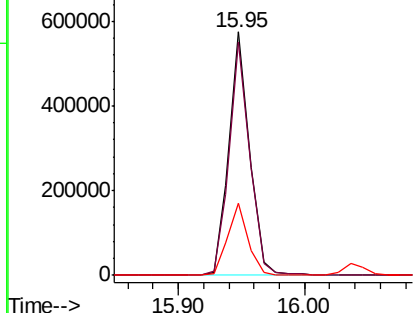
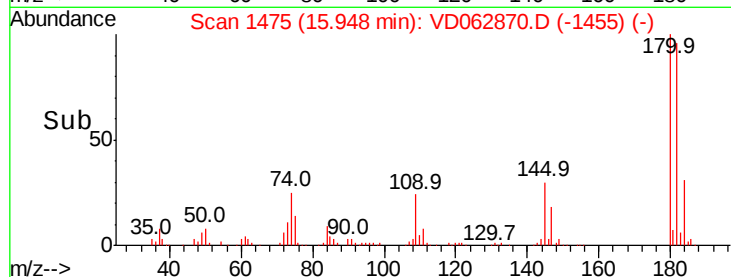
Tot Ion	Ratio	Resp	Lower	Upper
180	100	651415		
182	96.0	49.5	148.5	
145	29.7	13.7	41.0	

Manual Integrations
 APPROVED

MMDadoda
 6/27/2019 12:44:49 AM

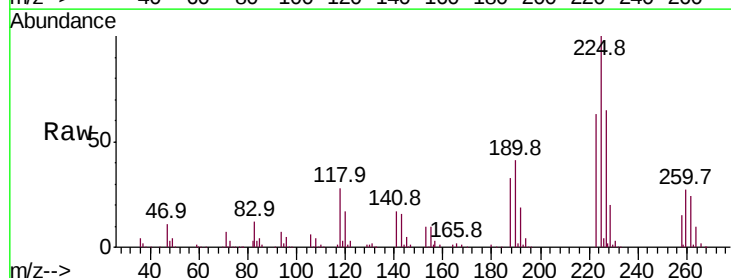


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

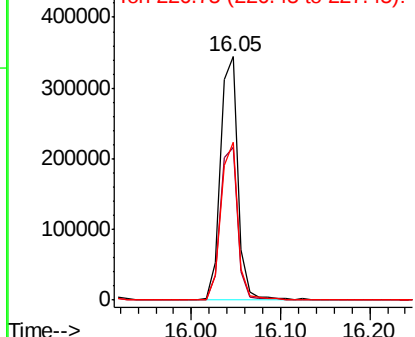
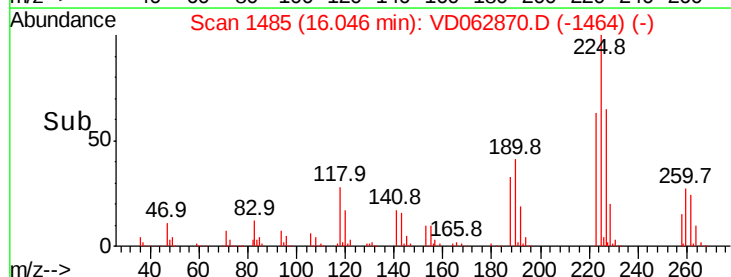


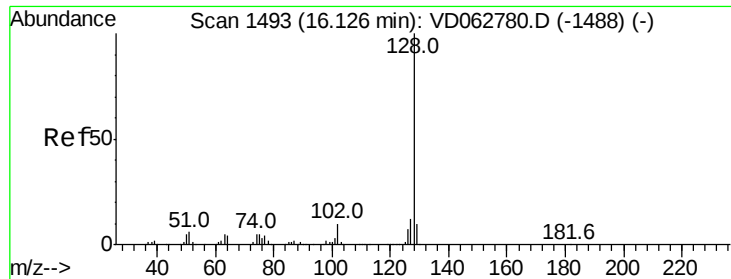
#94
 Hexachlorobutadiene
 Concen: 51.522 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	478461		
223	62.6	29.8	89.5	
227	64.9	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





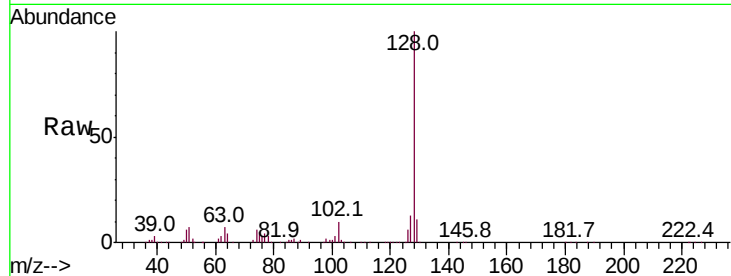
#95
Naphthalene
Concen: 49.715 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	9.7	14.5
129	10.5	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
6/27/2019 12:44:49 AM

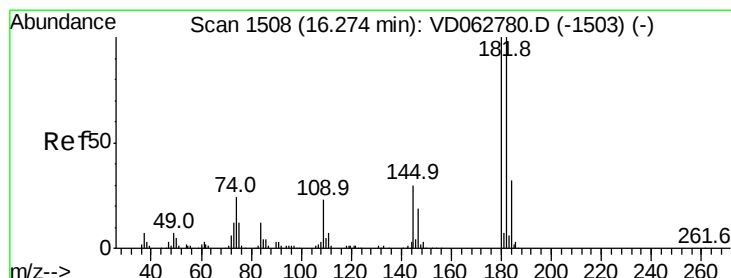
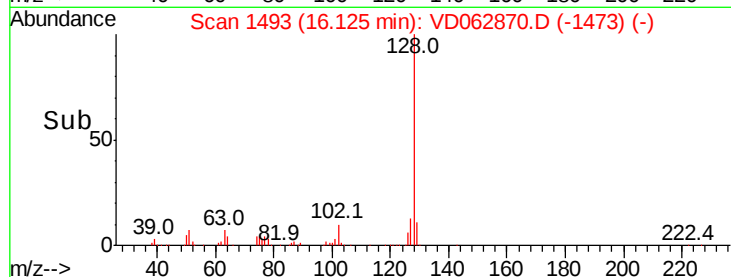
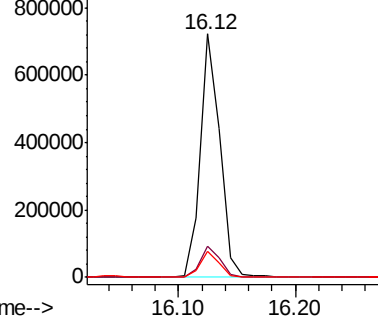


Abundance

Ion 128.00 (127.70 to 128.70): V

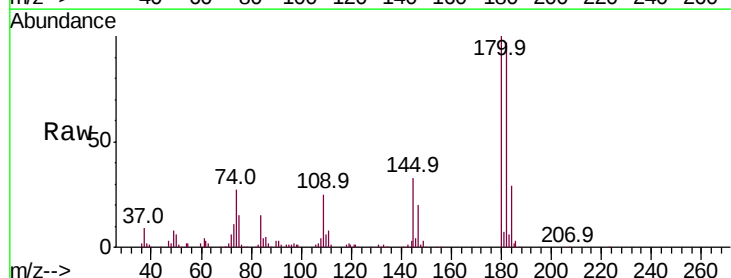
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 48.600 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	49.9	149.6
145	32.6	15.2	45.5



Abundance

Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

