

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060319\
 Data File : VD062580.D
 Acq On : 3 Jun 2019 12:24
 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
 6/6/2019 8:48:13 AM

Quant Time: Jun 04 05:58:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	819055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1101176	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	919689	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	537865	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	480970	50.08	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	100.16%	
35) Dibromofluoromethane	6.92	113	505705	50.40	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	100.80%	
50) Toluene-d8	10.42	98	993752	45.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.40%	
62) 4-Bromofluorobenzene	13.56	95	454352	45.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	458255	48.240	ug/l	92
3) Chloromethane	1.74	50	376728	40.701	ug/l	99
4) Vinyl Chloride	1.85	62	379714	52.328	ug/l	94
5) Bromomethane	2.15	94	196840	83.532	ug/l	95
6) Chloroethane	2.27	64	191496	56.276	ug/l	94
7) Trichlorofluoromethane	2.53	101	825522	53.833	ug/l	99
8) Diethyl Ether	2.87	74	114575	58.243	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.14	101	471159	52.029	ug/l	96
10) Methyl Iodide	3.30	142	642400	62.519	ug/l	94
11) Tert butyl alcohol	4.08	59	109811	268.080	ug/l #	90
12) 1,1-Dichloroethene	3.12	96	334720	52.250	ug/l	97
13) Acrolein	3.03	56	50634	283.697	ug/l	92
14) Allyl chloride	3.62	41	553799	55.342	ug/l	98
15) Acrylonitrile	4.20	53	270445	276.186	ug/l	93
16) Acetone	3.22	43	504805	267.528	ug/l	97
17) Carbon Disulfide	3.37	76	1048180	50.336	ug/l	100
18) Methyl Acetate	3.64	43	138278	44.899	ug/l #	89
19) Methyl tert-butyl Ether	4.24	73	852913	54.961	ug/l	99
20) Methylene Chloride	3.81	84	355483	50.893	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	406519	55.918	ug/l	92
22) Diisopropyl ether	5.13	45	1070174	52.349	ug/l	97
23) Vinyl Acetate	5.05	43	3470446	279.932	ug/l	97
24) 1,1-Dichloroethane	4.98	63	710805	53.880	ug/l	98
25) 2-Butanone	6.08	43	475677	267.670	ug/l	95
26) 2,2-Dichloropropane	6.03	77	807962	55.206	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	393491	52.656	ug/l	97
28) Bromochloromethane	6.44	49	231708	50.829	ug/l	99
29) Tetrahydrofuran	6.47	42	212497	266.940	ug/l	97
30) Chloroform	6.67	83	908239	57.133	ug/l	93
31) Cyclohexane	6.95	56	486847	54.583	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	953902	57.658	ug/l	97
36) 1,1-Dichloropropene	7.15	75	585589	53.421	ug/l	97
37) Ethyl Acetate	6.18	43	228073	49.351	ug/l	96
38) Carbon Tetrachloride	7.11	117	970615m	59.473	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	488819	52.670	ug/l	98
40) Benzene	7.45	78	1159113	53.876	ug/l	97
41) Methacrylonitrile	6.45	41	288539	53.057	ug/l	98
42) 1,2-Dichloroethane	7.58	62	689654	57.547	ug/l	96
43) Isopropyl Acetate	9.25	43	327619	56.959	ug/l #	95
44) Trichloroethene	8.55	130	481432	56.012	ug/l	98
45) 1,2-Dichloropropane	8.94	63	283994	53.841	ug/l	98
46) Dibromomethane	9.06	93	247842	55.940	ug/l	93
47) Bromodichloromethane	9.37	83	680226	55.722	ug/l	99
48) Methyl methacrylate	9.12	41	215413	56.230	ug/l	94
49) 1,4-Dioxane	9.10	88	38865	1249.009	ug/l #	83
51) 4-Methyl-2-Pentanone	10.31	43	1085231	270.437	ug/l	96
52) Toluene	10.51	92	810071	55.206	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	574436	55.695	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	609635	56.853	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	261697	54.316	ug/l	96
56) Ethyl methacrylate	11.05	69	286727	55.835	ug/l	98
57) 1,3-Dichloropropane	11.41	76	410235	55.233	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	693936	263.480	ug/l	98
59) 2-Hexanone	11.54	43	803730	285.545	ug/l	99
60) Dibromochloromethane	11.69	129	535445	57.188	ug/l	99
61) 1,2-Dibromoethane	11.81	107	333573	57.553	ug/l	100
64) Tetrachloroethene	11.26	164	408622	50.261	ug/l	95
65) Chlorobenzene	12.41	112	992735	55.409	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	459233	54.198	ug/l	94
67) Ethyl Benzene	12.52	91	1720111	52.401	ug/l	100
68) m/p-Xylenes	12.67	106	1282599	112.950	ug/l	99
69) o-Xylene	13.06	106	559724	51.671	ug/l	94
70) Styrene	13.08	104	956990	52.031	ug/l	97
71) Bromoform	13.23	173	327147	55.000	ug/l #	90
73) Isopropylbenzene	13.40	105	1765272	49.783	ug/l	96
74) N-amyl acetate	13.26	43	459377	50.809	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.71	83	287528	51.128	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	339145	52.557	ug/l	99
77) Bromobenzene	13.68	156	513459	52.813	ug/l	98
78) n-propylbenzene	13.77	91	2263659	55.384	ug/l	98
79) 2-Chlorotoluene	13.84	91	1288095	54.352	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1622867	53.560	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	96771	52.337	ug/l	88
82) 4-Chlorotoluene	13.95	91	1535432	54.118	ug/l	98
83) tert-Butylbenzene	14.19	119	1741255	51.502	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1545294	50.050	ug/l	97
85) sec-Butylbenzene	14.36	105	1785399	49.850	ug/l	96
86) p-Isopropyltoluene	14.49	119	1827141	54.604	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	919114	54.537	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	864838	51.208	ug/l	97
89) n-Butylbenzene	14.80	91	1651566	55.290	ug/l	97
90) Hexachloroethane	15.01	117	462462	52.094	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	773104	54.531	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	58988	50.586	ug/l	94

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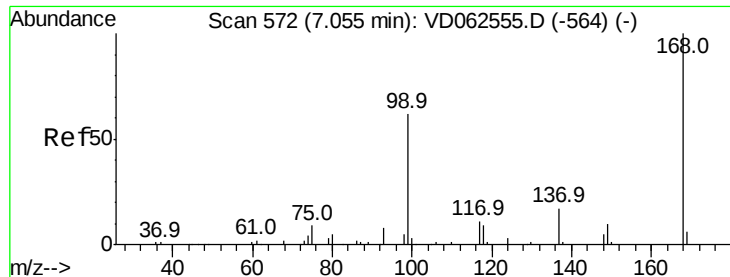
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	578191	51.004	ug/l	99
94) Hexachlorobutadiene	16.04	225	464999	55.565	ug/l	98
95) Naphthalene	16.13	128	796318	51.581	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	440087	51.971	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 819055

Ion Ratio Lower Upper

168 100

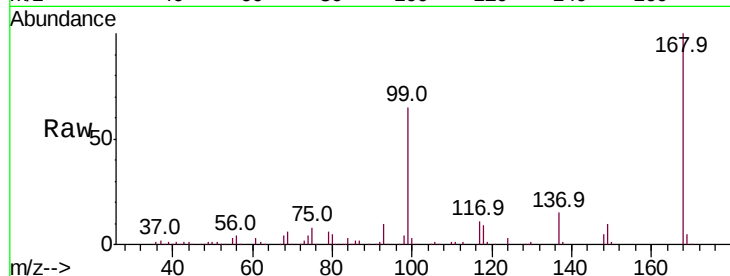
99 65.0 50.8 76.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

300000

250000

200000

150000

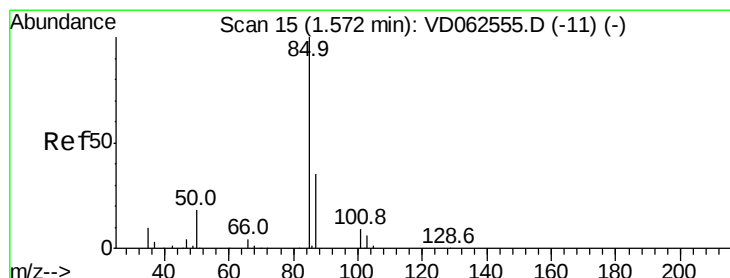
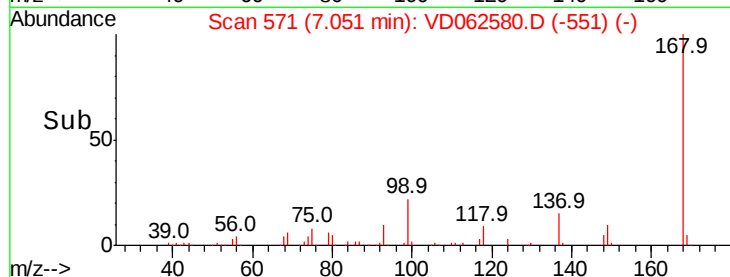
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 48.240 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD062580.D

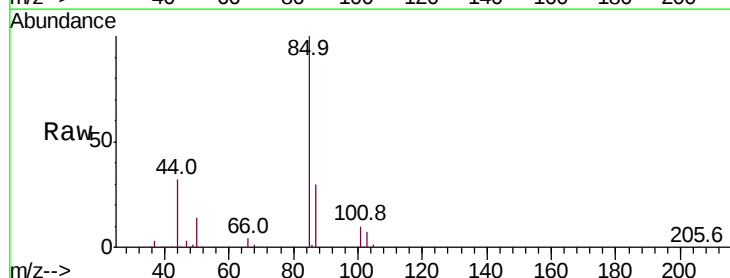
Acq: 3 Jun 2019 12:24

Tgt Ion: 85 Resp: 458255

Ion Ratio Lower Upper

85 100

87 30.2 17.5 52.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

250000

200000

150000

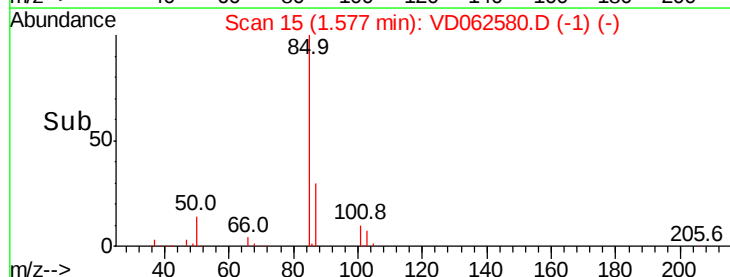
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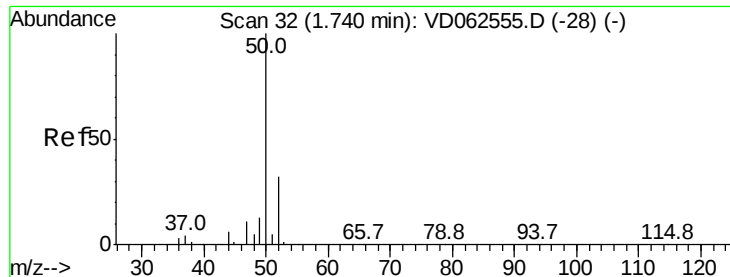
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 40.701 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 376728

Ion Ratio Lower Upper

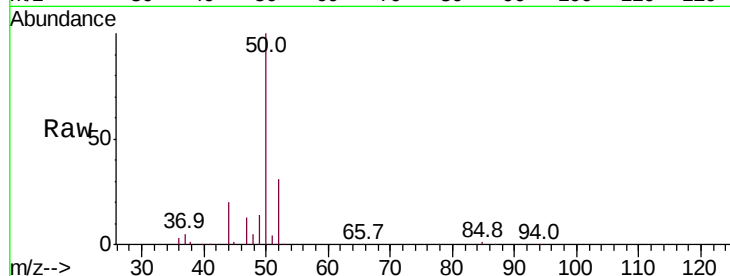
50 100

52 31.3 25.4 38.2

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

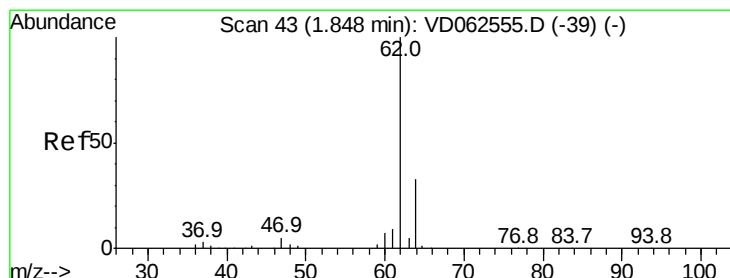
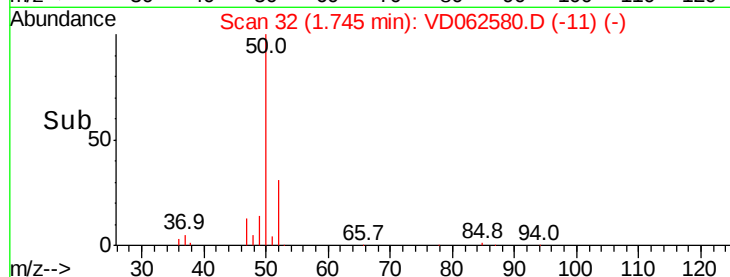
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 52.328 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062580.D

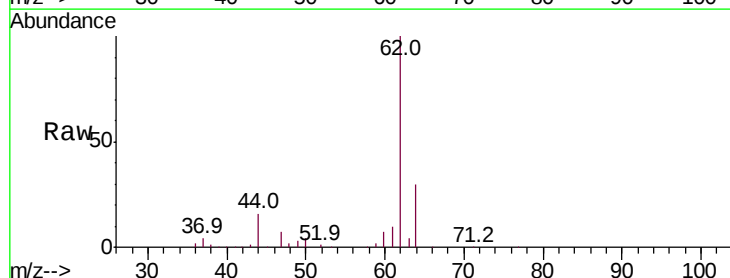
Acq: 3 Jun 2019 12:24

Tgt Ion: 62 Resp: 379714

Ion Ratio Lower Upper

62 100

64 29.5 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.85

200000

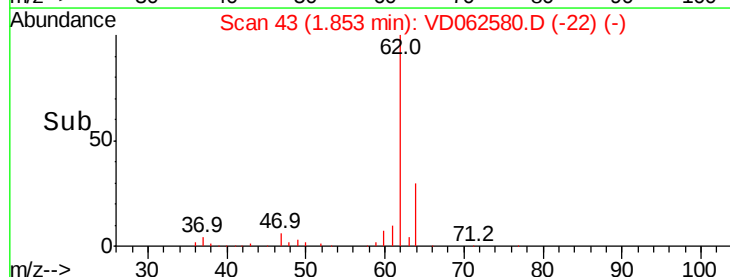
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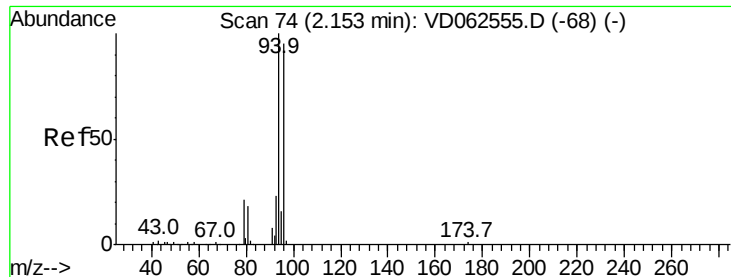
100000

50000

0

Time-->





#5

Bromomethane

Concen: 83.532 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

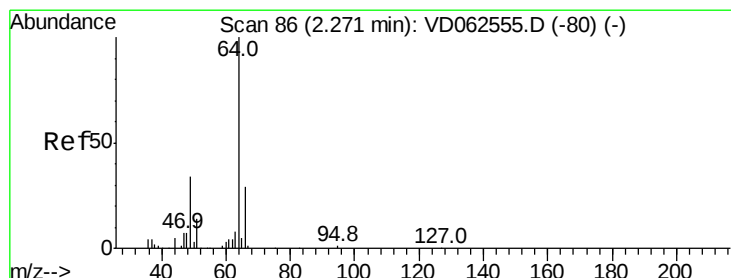
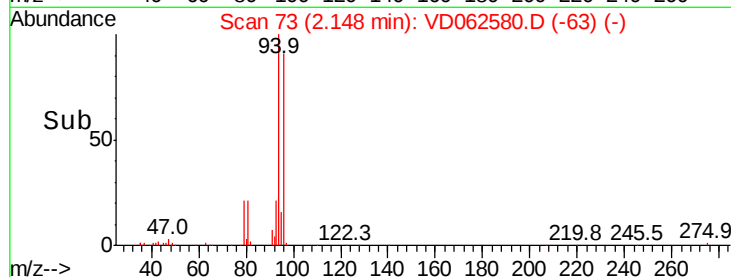
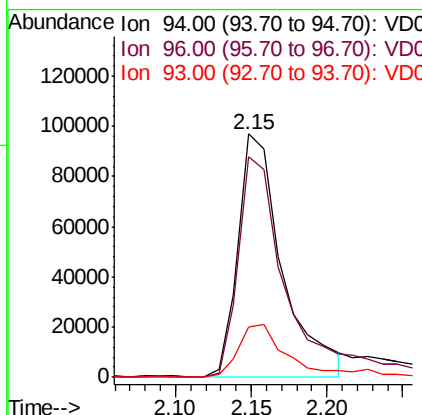
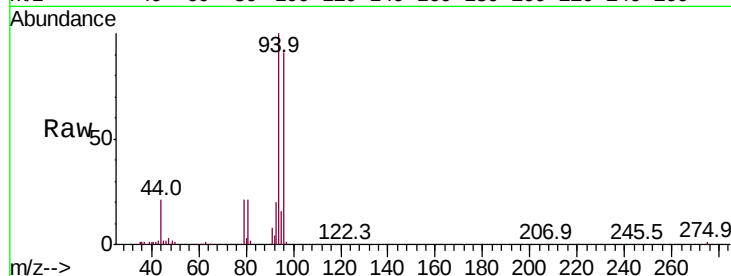
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	196840
Ion	Ratio	Lower	Upper
94	100		
96	90.6	76.2	114.4
93	20.5	18.4	27.6

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#6

Chloroethane

Concen: 56.276 ug/l

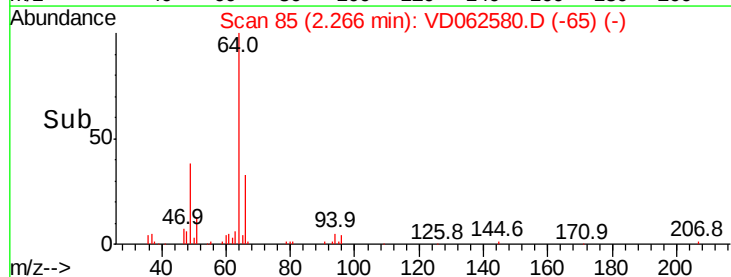
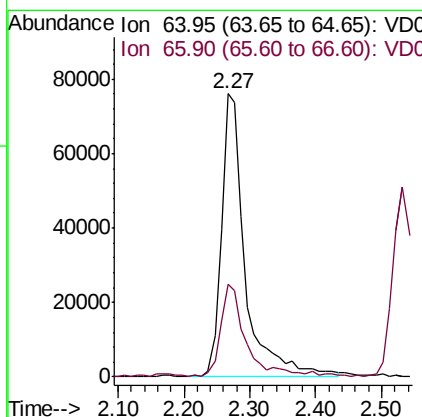
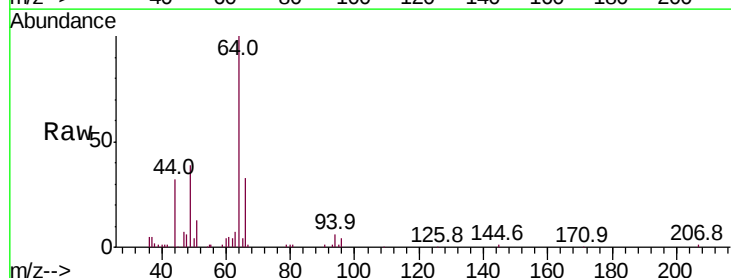
RT: 2.27 min Scan# 85

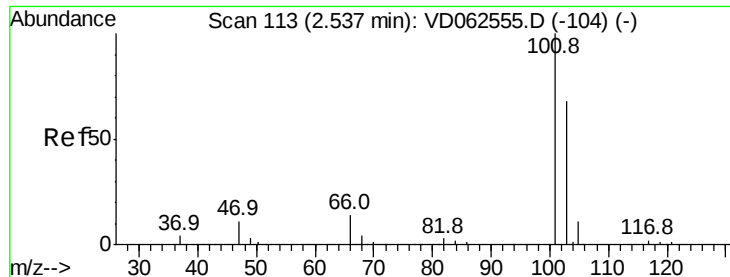
Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Tgt Ion:	64	Resp:	191496
Ion	Ratio	Lower	Upper
64	100		
66	32.6	23.4	35.2





#7

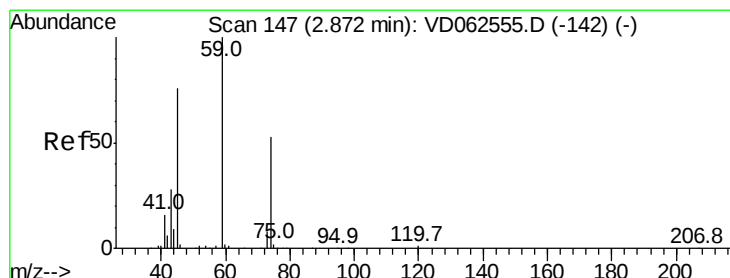
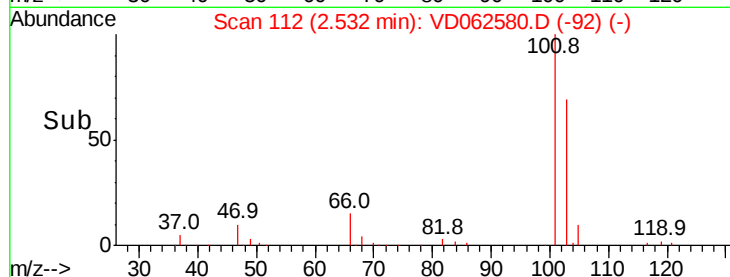
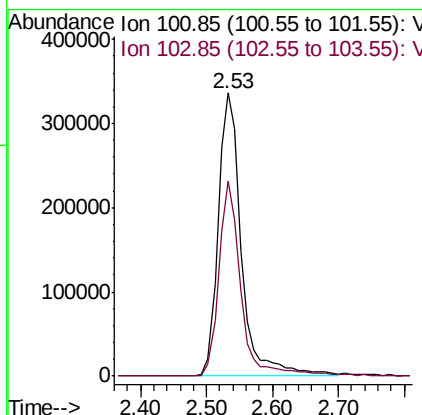
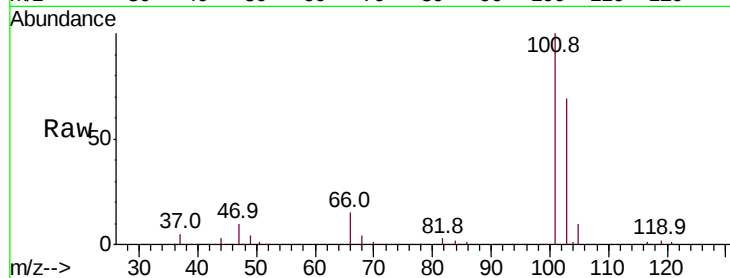
Trichlorofluoromethane
 Concen: 53.833 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD062580.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.9	54.3	81.5

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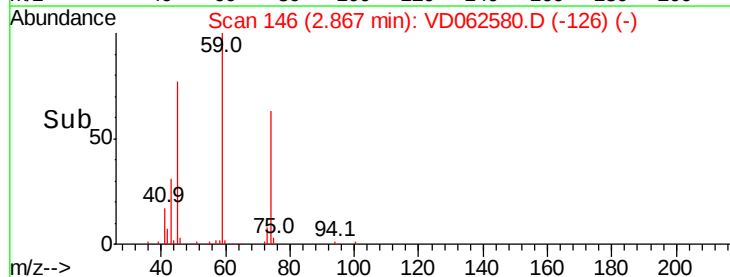
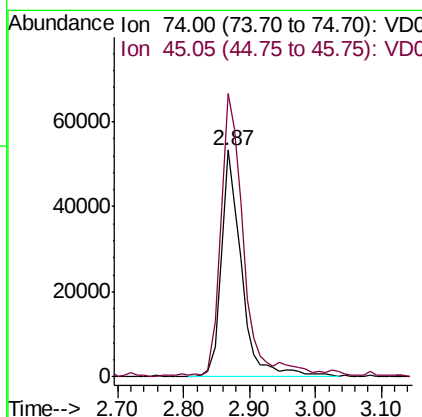
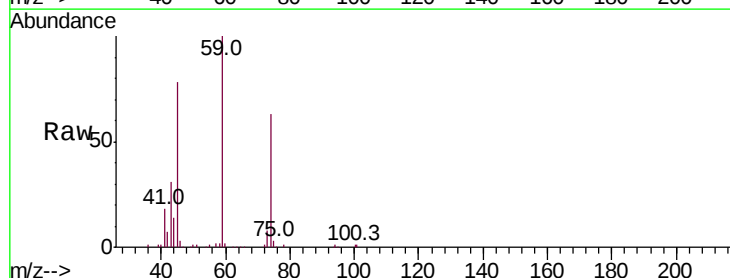
MMDadoda
 6/6/2019 8:48:13 AM

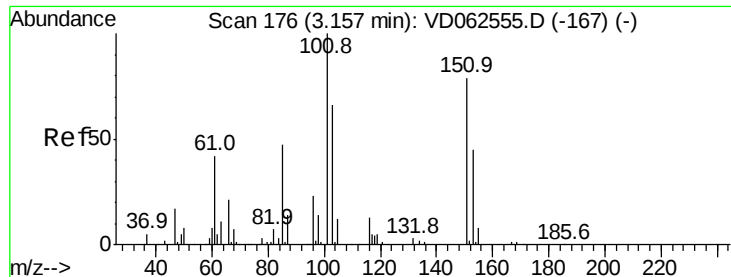


#8

Diethyl Ether
 Concen: 58.243 ug/l
 RT: 2.87 min Scan# 146
 Delta R.T. -0.00 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	124.7	71.9	215.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.029 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD062580.D

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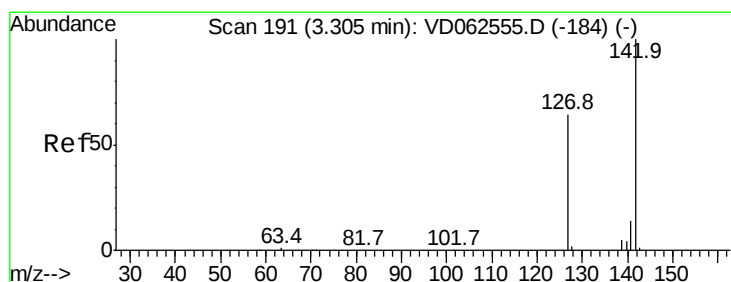
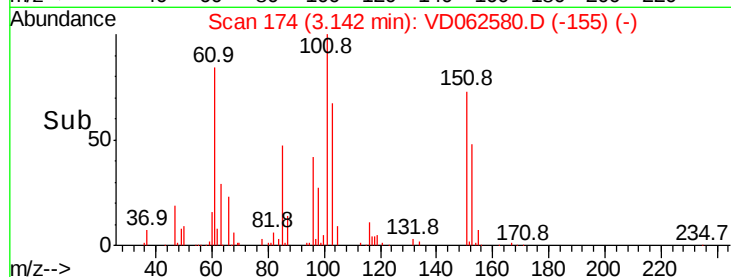
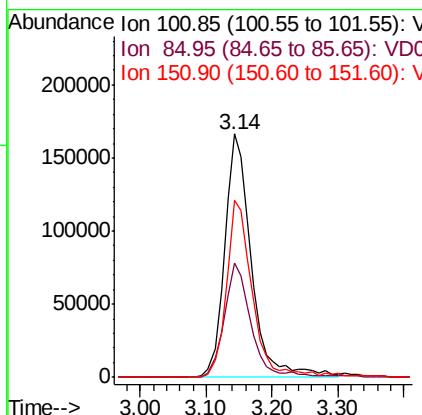
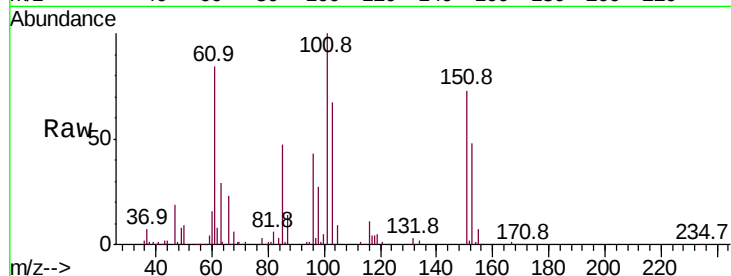
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	471159
Ion Ratio	Lower	Upper	
101	100		
85	46.9	37.6	56.4
151	73.0	63.0	94.4

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#10

Methyl Iodide

Concen: 62.519 ug/l

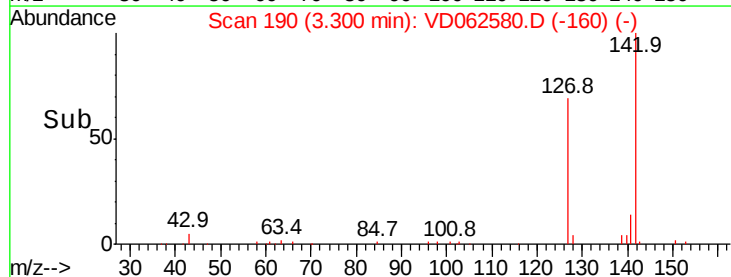
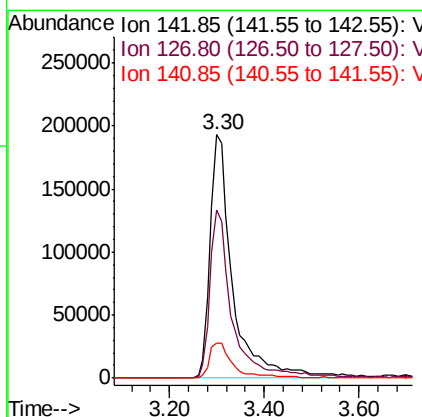
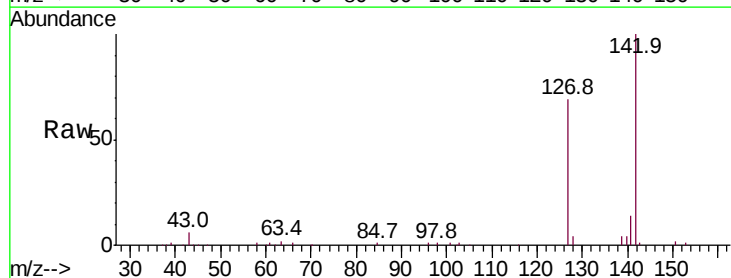
RT: 3.30 min Scan# 190

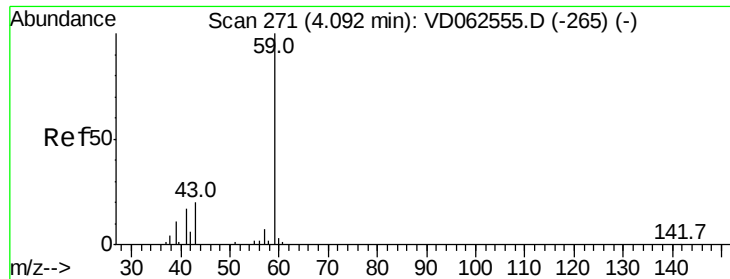
Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Tgt Ion:	142	Resp:	642400
Ion Ratio	Lower	Upper	
142	100		
127	69.3	51.2	76.8
141	14.4	11.0	16.4





#11

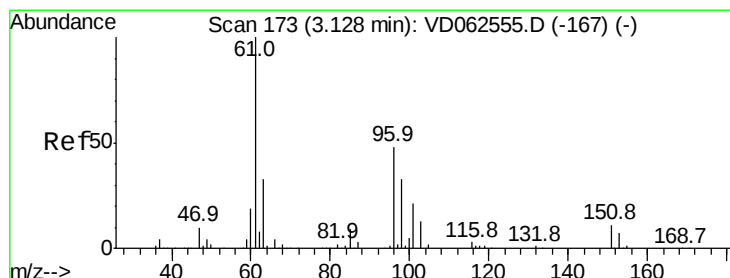
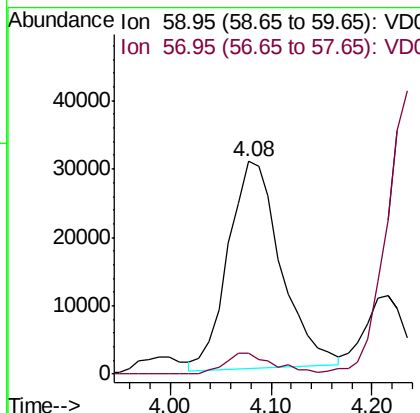
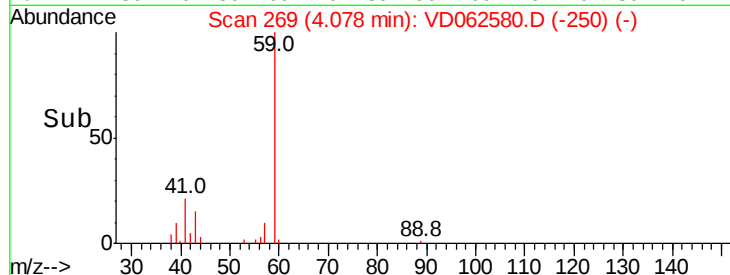
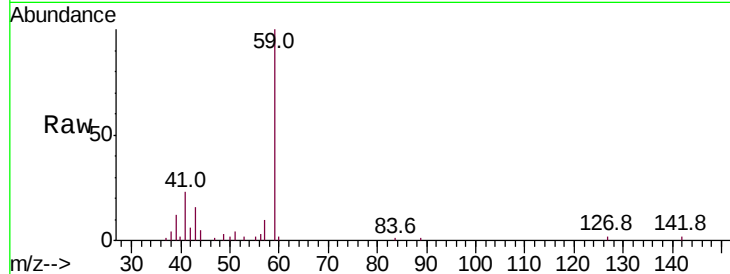
Tert butyl alcohol
 Concen: 268.080 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. -0.01 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 109811
 Ion Ratio Lower Upper
 59 100
 57 10.1 5.4 8.0#

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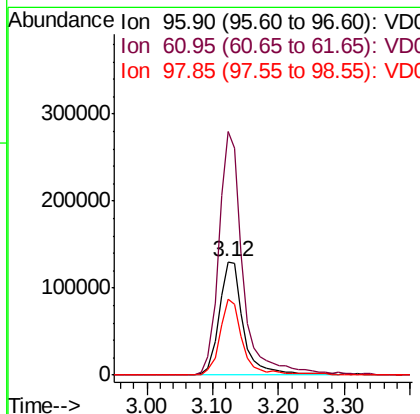
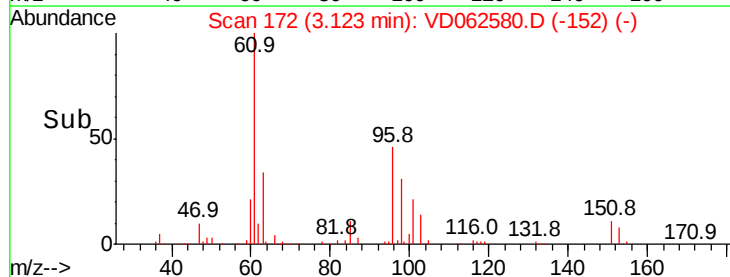
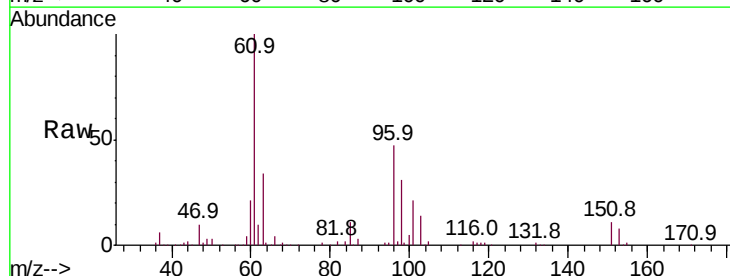
MMDadoda
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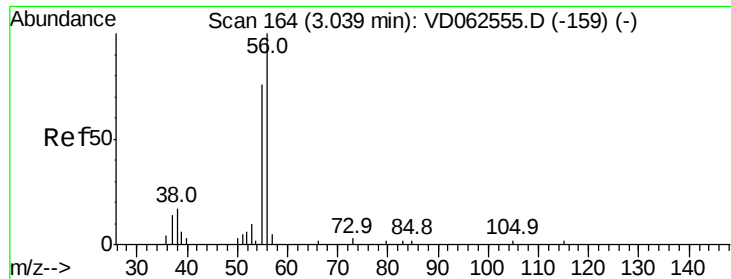


#12

1,1-Dichloroethene
 Concen: 52.250 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.00 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Tgt Ion: 96 Resp: 334720
 Ion Ratio Lower Upper
 96 100
 61 214.6 166.6 250.0
 98 66.8 54.4 81.6





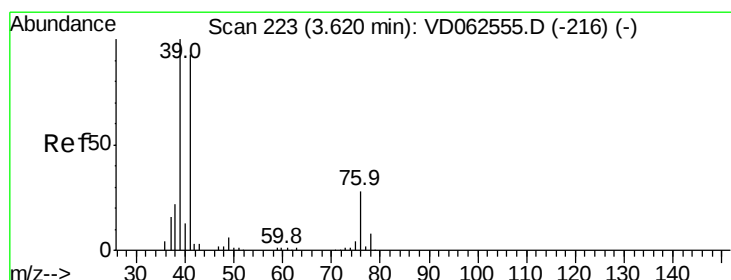
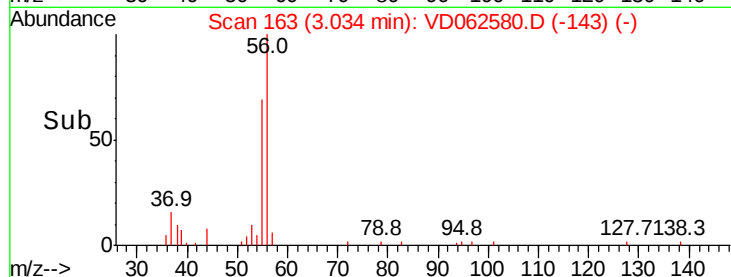
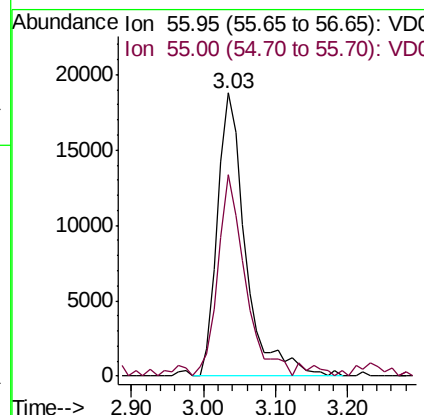
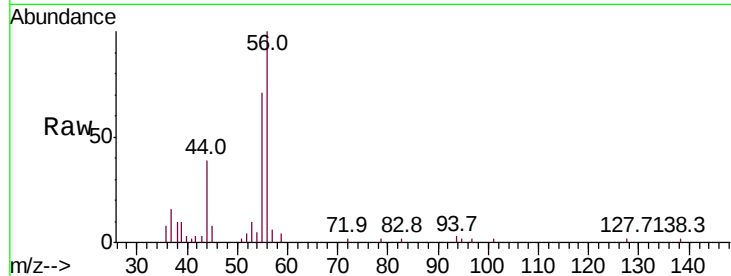
#13
Acrolein
Concen: 283.697 ug/l
RT: 3.03 min Scan# 163
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 50634
Ion Ratio Lower Upper
56 100
55 71.1 62.6 93.8

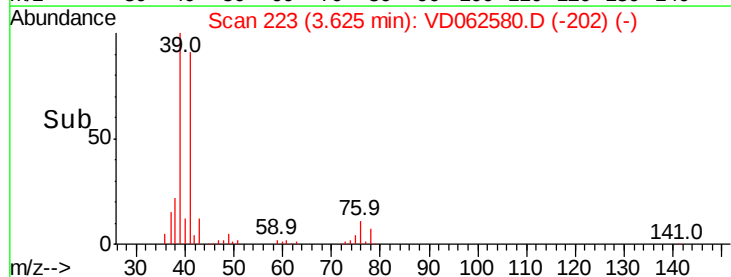
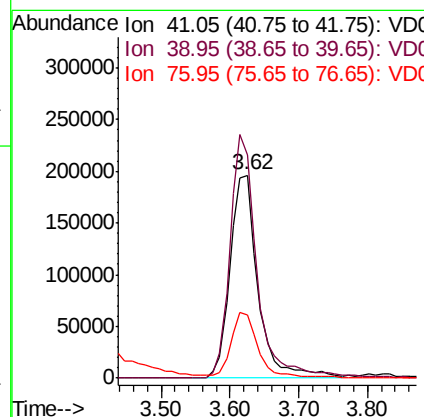
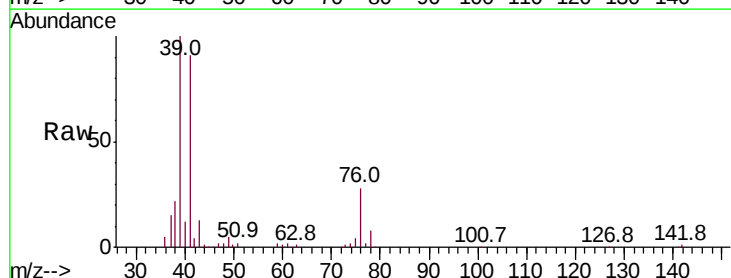
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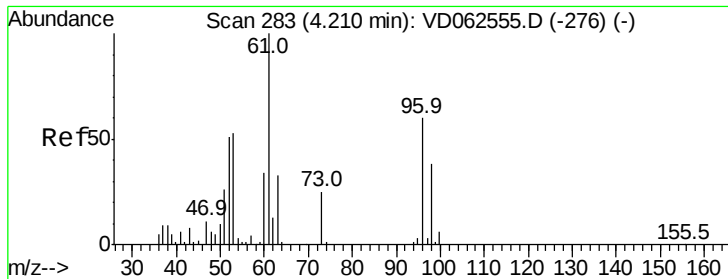
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#14
Allyl chloride
Concen: 55.342 ug/l
RT: 3.62 min Scan# 223
Delta R.T. 0.01 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion: 41 Resp: 553799
Ion Ratio Lower Upper
41 100
39 110.0 86.3 129.5
76 30.8 25.5 38.3





#15

Acrylonitrile

Concen: 276.186 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 270445

Ion Ratio Lower Upper

53 100

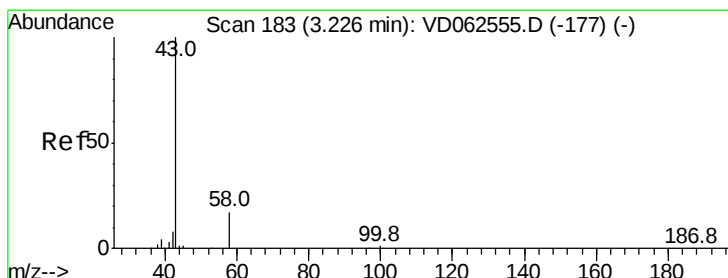
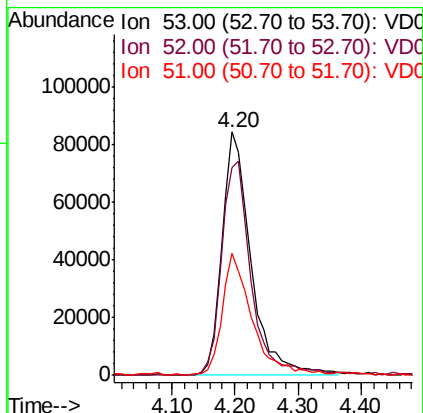
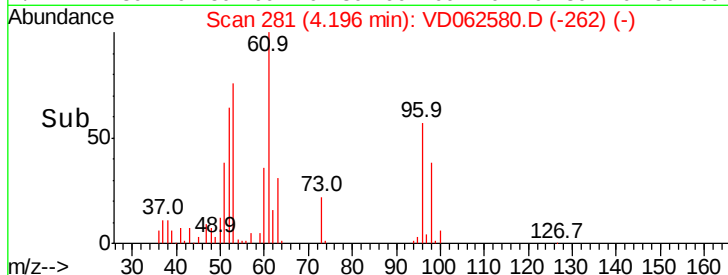
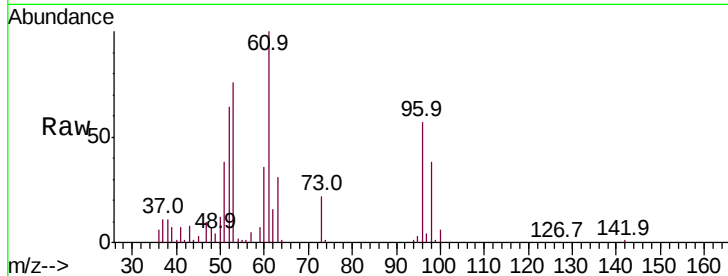
52 85.3 76.2 114.2

51 50.1 40.2 60.4

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#16

Acetone

Concen: 267.528 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD062580.D

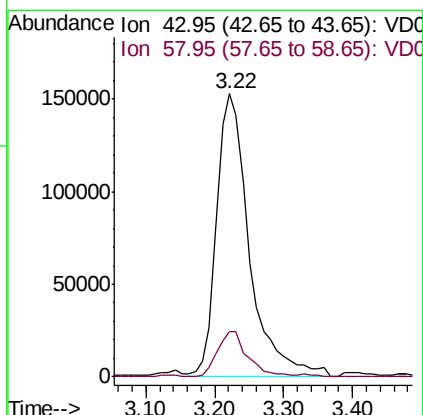
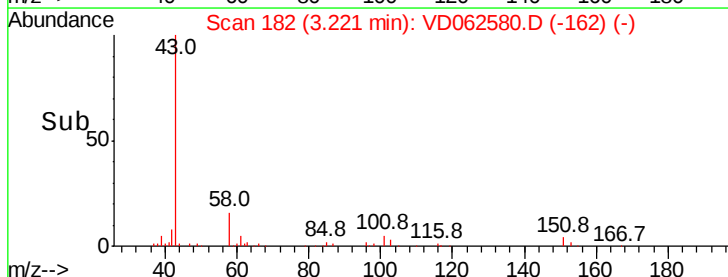
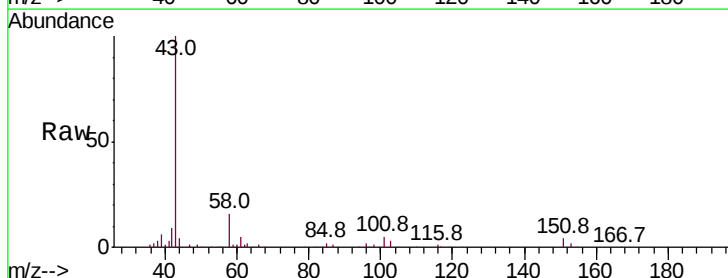
Acq: 3 Jun 2019 12:24

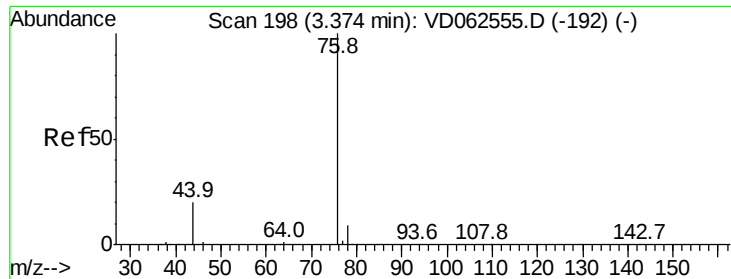
Tgt Ion: 43 Resp: 504805

Ion Ratio Lower Upper

43 100

58 16.1 13.8 20.8





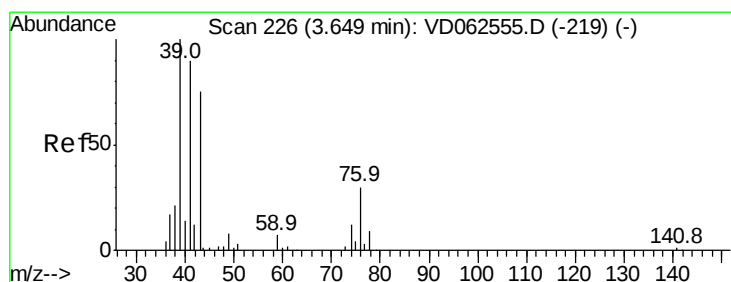
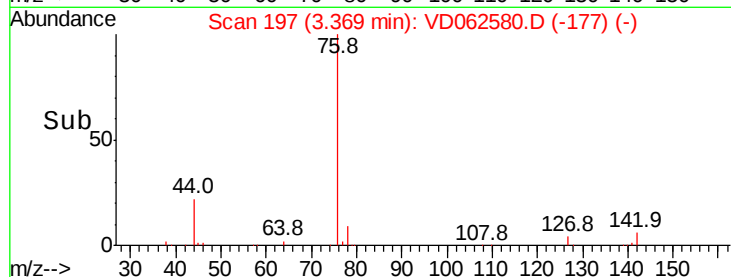
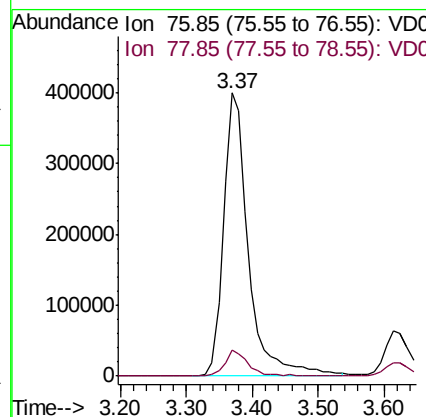
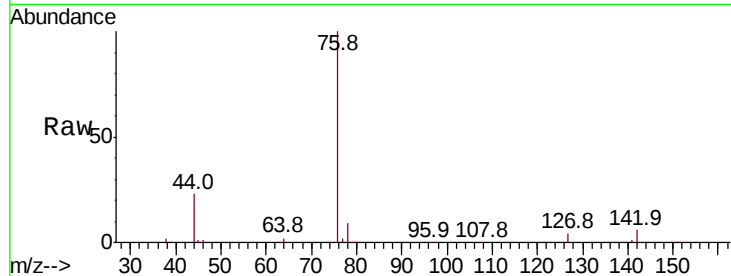
#17
Carbon Disulfide
Concen: 50.336 ug/l
RT: 3.37 min Scan# 197
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1048180
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

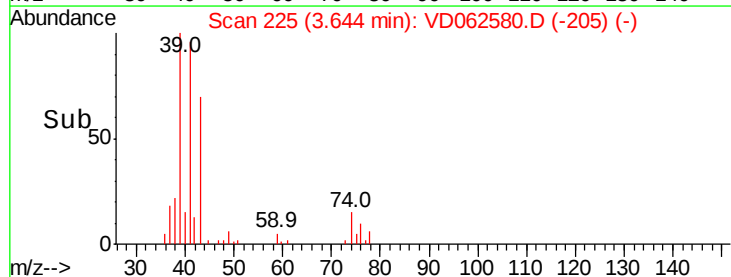
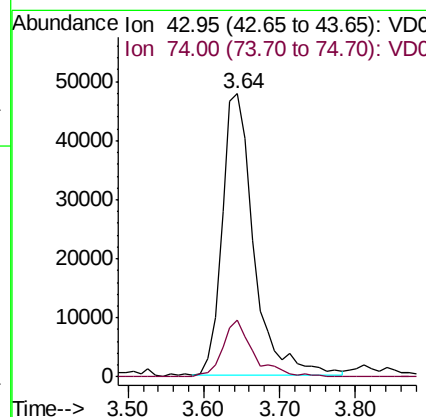
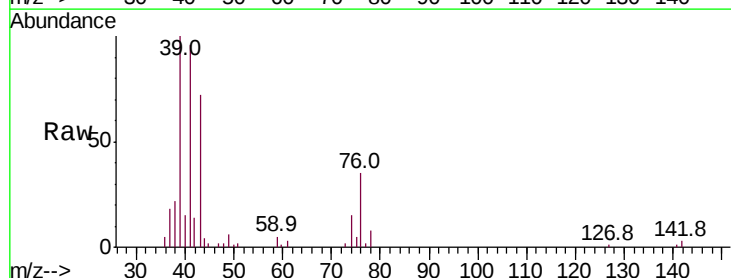
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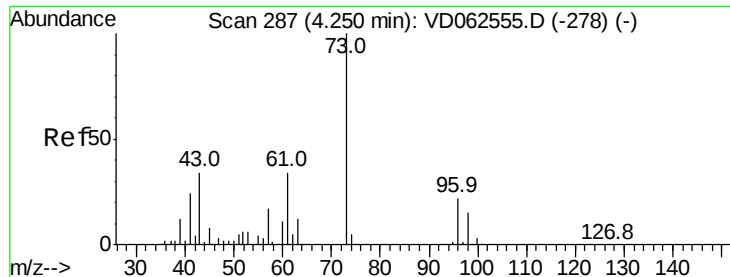
MMDadoda
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#18
Methyl Acetate
Concen: 44.899 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion: 43 Resp: 138278
Ion Ratio Lower Upper
43 100
74 20.2 12.5 18.7#





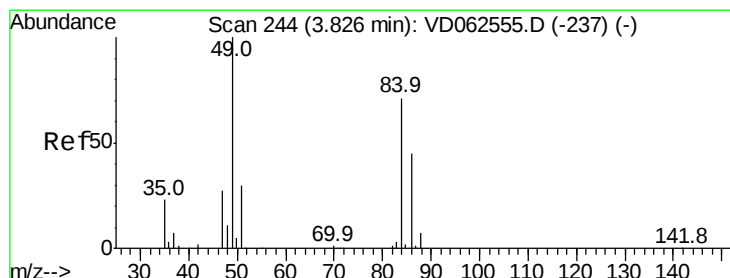
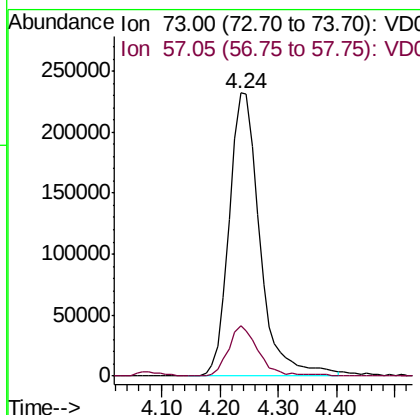
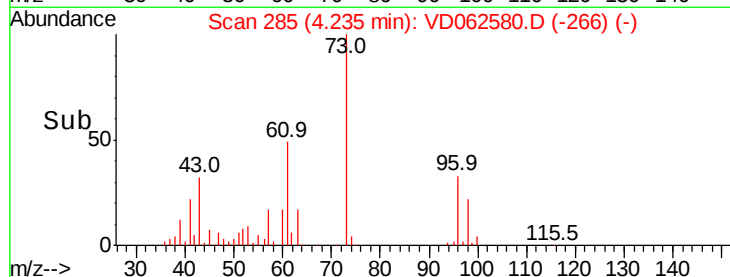
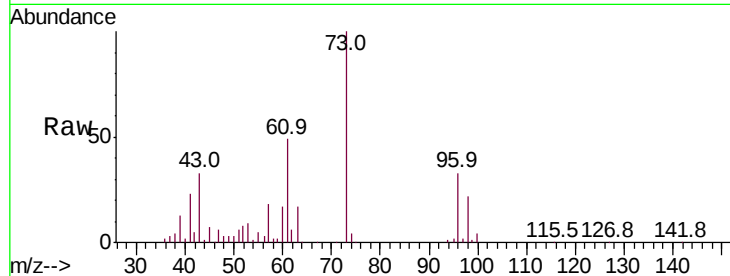
#19
Methyl tert-butyl Ether
Concen: 54.961 ug/l
RT: 4.24 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 852913
Ion Ratio Lower Upper
73 100
57 17.8 13.8 20.8

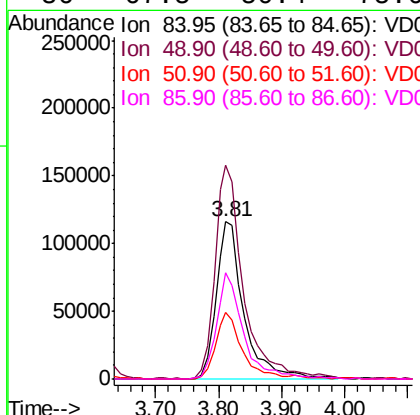
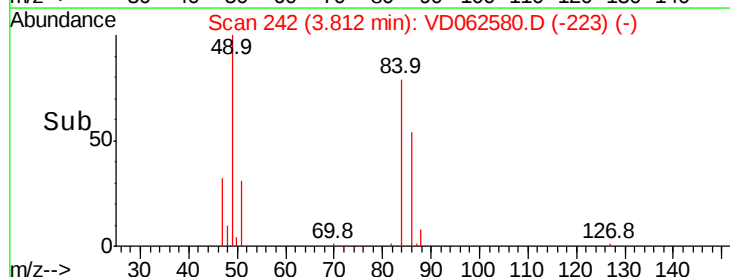
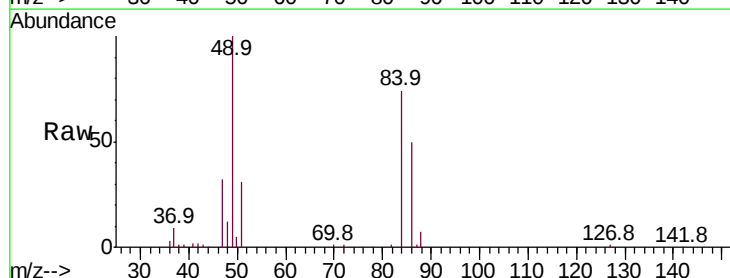
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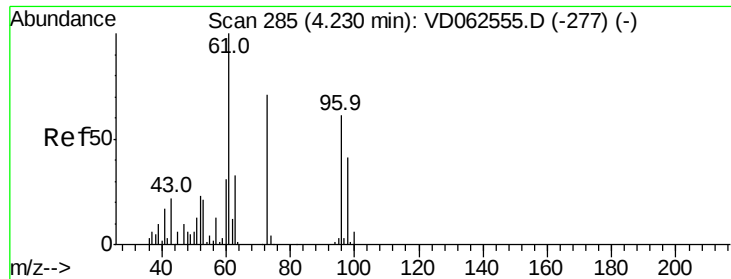
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#20
Methylene Chloride
Concen: 50.893 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion: 84 Resp: 355483
Ion Ratio Lower Upper
84 100
49 135.8 112.3 168.5
51 42.2 33.6 50.4
86 67.5 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 55.918 ug/l

RT: 4.22 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 406519

Ion Ratio Lower Upper

96 100

61 154.6 131.1 196.7

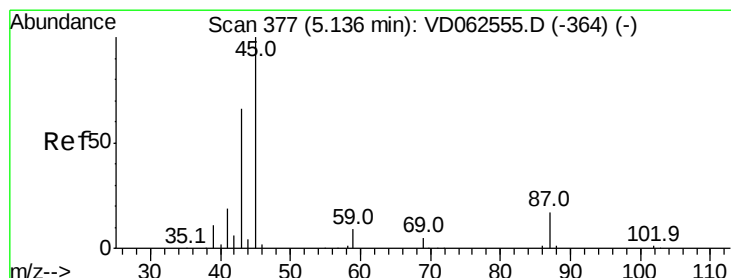
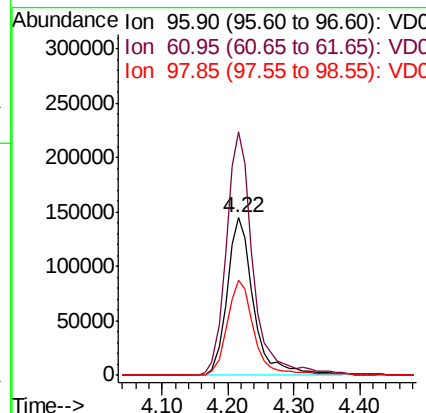
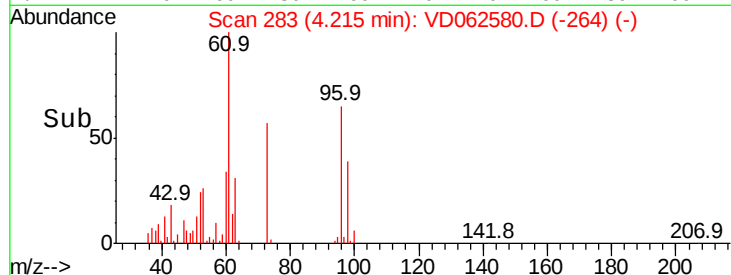
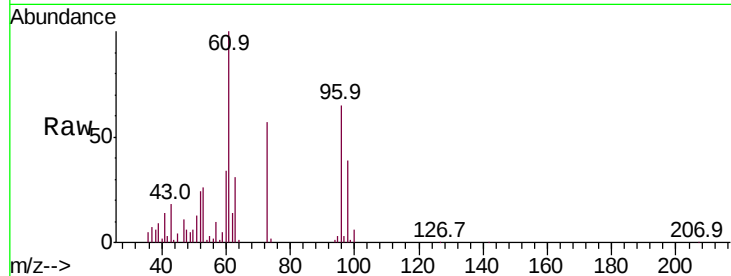
98 60.1 54.2 81.4

Manual Integrations

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#22

Diisopropyl ether

Concen: 52.349 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Tgt Ion: 45 Resp: 1070174

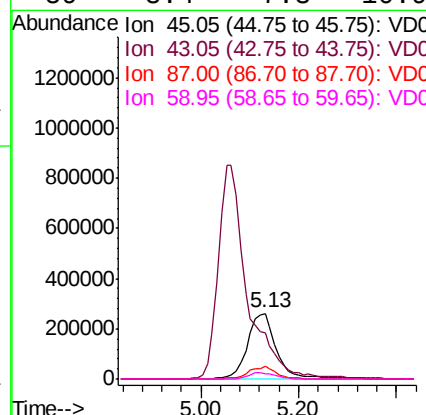
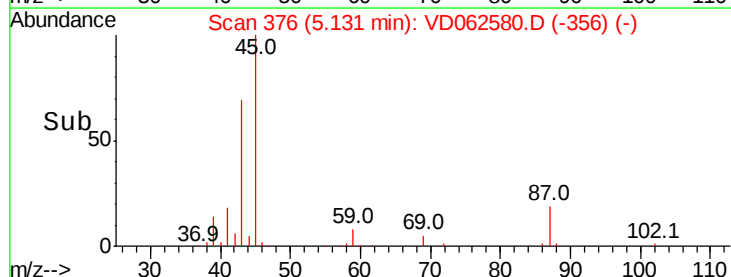
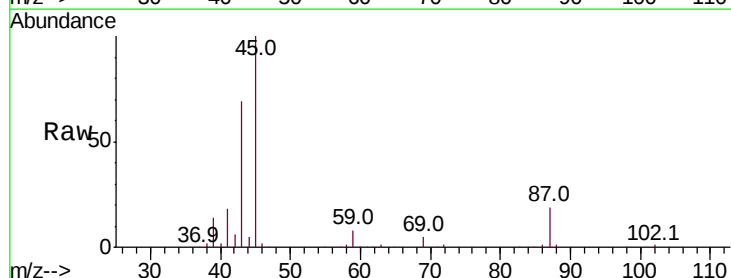
Ion Ratio Lower Upper

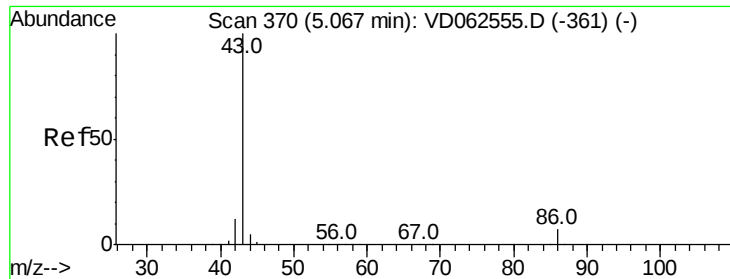
45 100

43 69.3 53.6 80.4

87 18.9 14.2 21.4

59 8.4 7.3 10.9





#23

Vinyl Acetate

Concen: 279.932 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3470446

Ion Ratio Lower Upper

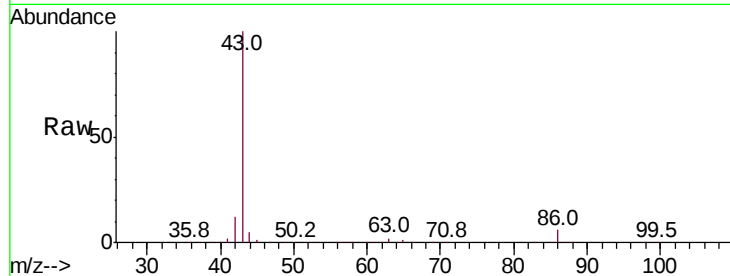
43 100

86 5.9 5.5 8.3

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1000000

800000

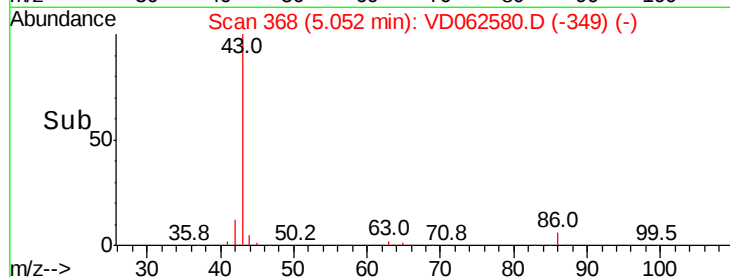
600000

400000

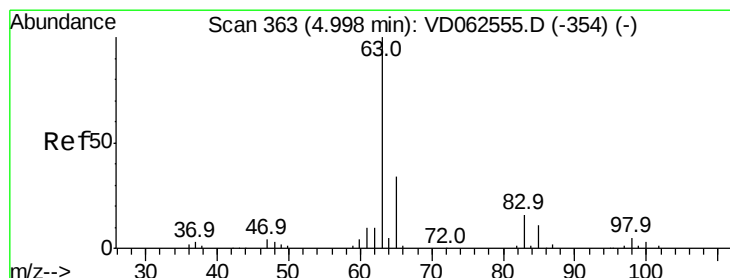
200000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 53.880 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

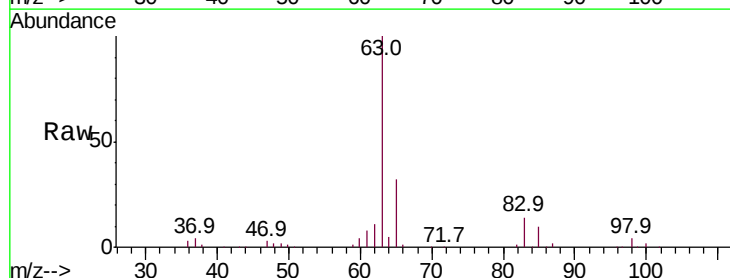
Tgt Ion: 63 Resp: 710805

Ion Ratio Lower Upper

63 100

98 4.3 2.5 7.5

100 2.4 1.6 4.7



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

250000

200000

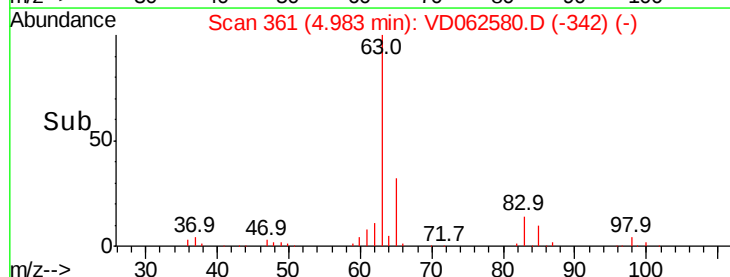
150000

100000

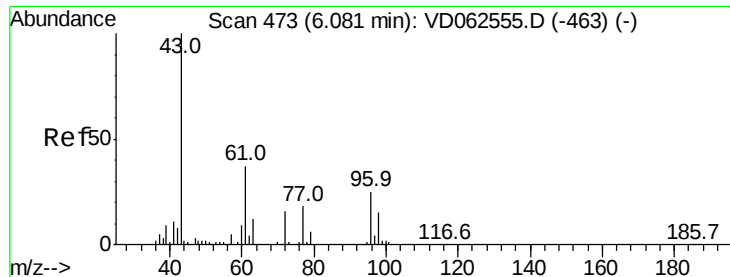
50000

0

Time-->



Time-->



#25

2-Butanone

Concen: 267.670 ug/l

RT: 6.08 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 475677

Ion Ratio Lower Upper

43 100

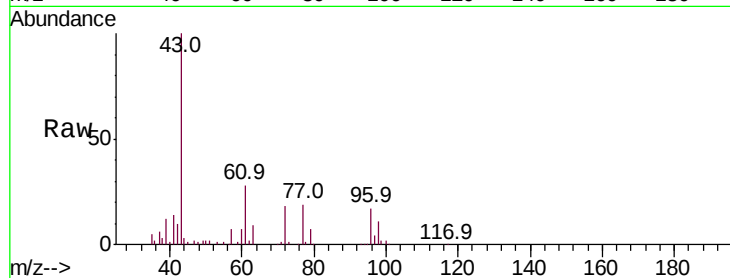
72 18.2 12.7 19.1

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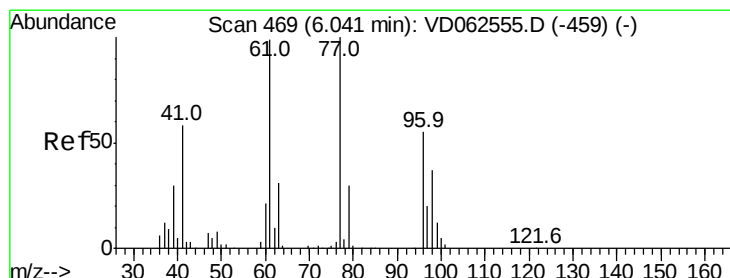
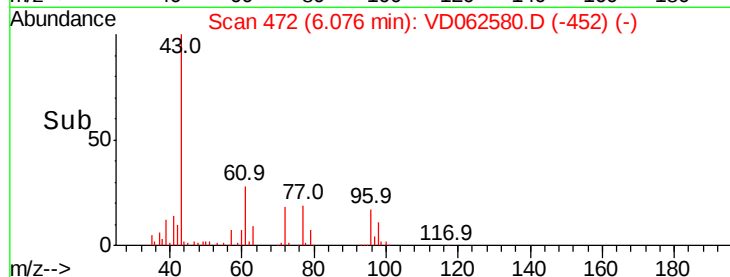
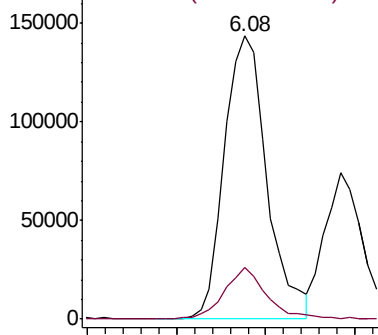
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 55.206 ug/l

RT: 6.03 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD062580.D

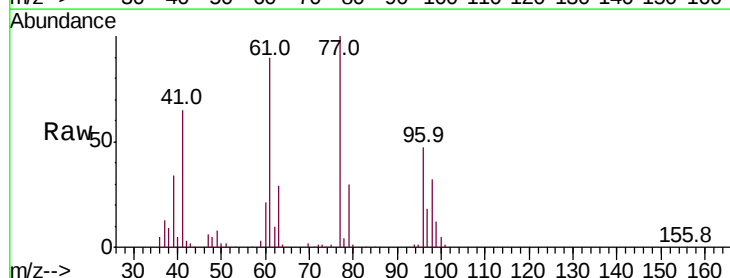
Acq: 3 Jun 2019 12:24

Tgt Ion: 77 Resp: 807962

Ion Ratio Lower Upper

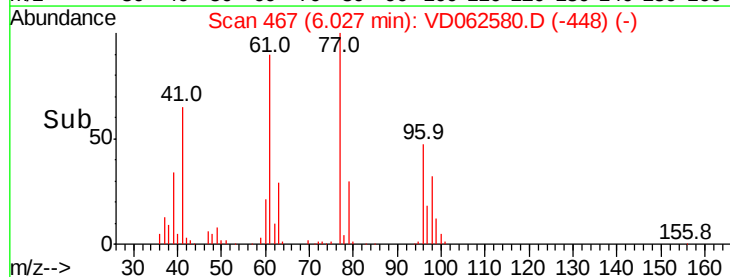
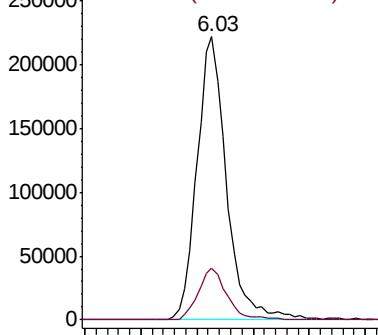
77 100

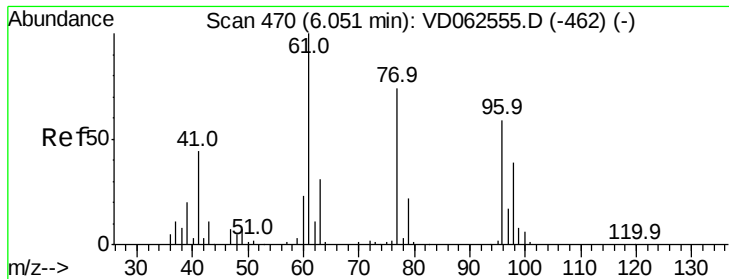
97 18.1 9.8 29.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

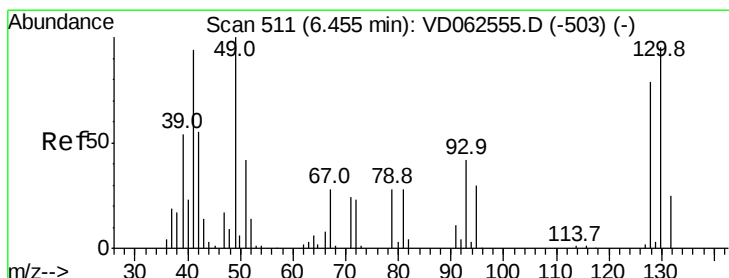
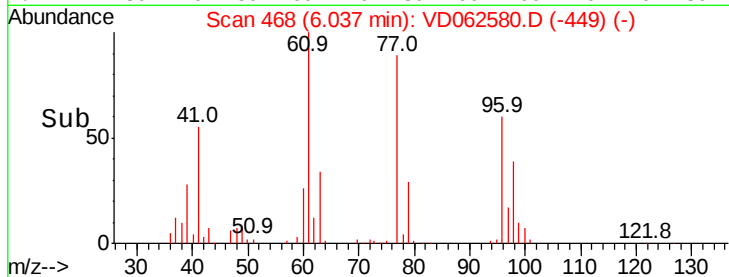
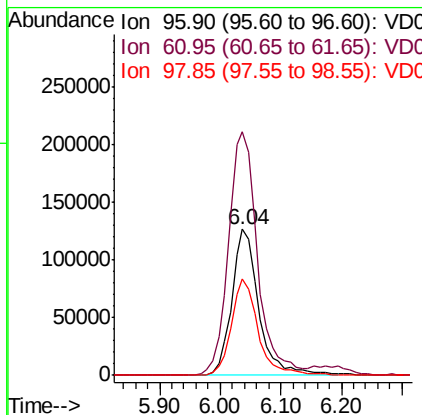
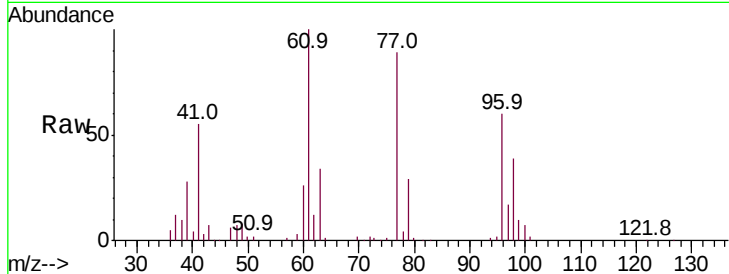
cis-1,2-Dichloroethene
 Concen: 52.656 ug/l
 RT: 6.04 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	393491		
61	166.6	0.0	342.4	
98	65.7	0.0	134.6	

Manual Integrations
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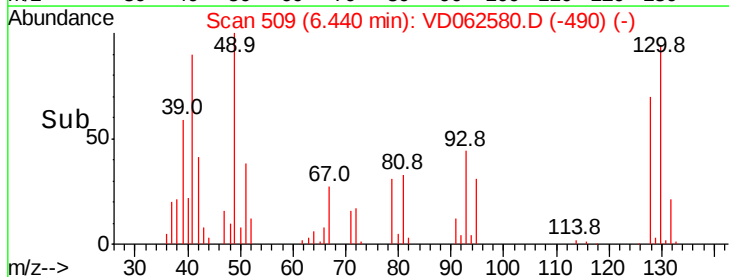
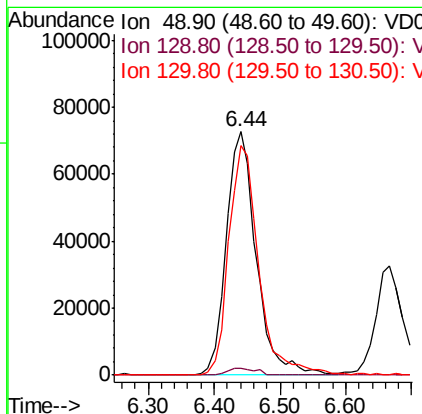
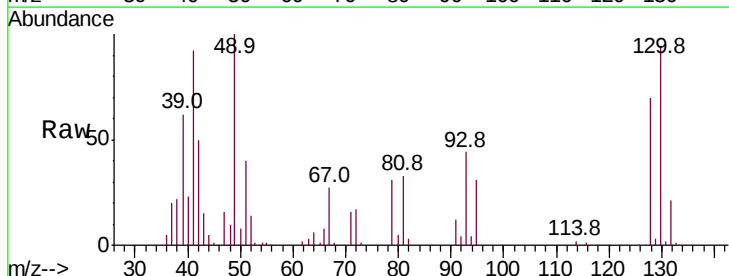
MMDadoda
 6/6/2019 8:48:13 AM

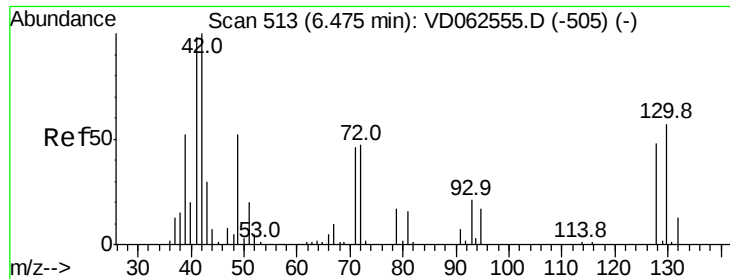


#28

Bromochloromethane
 Concen: 50.829 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	231708		
129	3.0	0.0	5.6	
130	94.2	75.8	113.8	





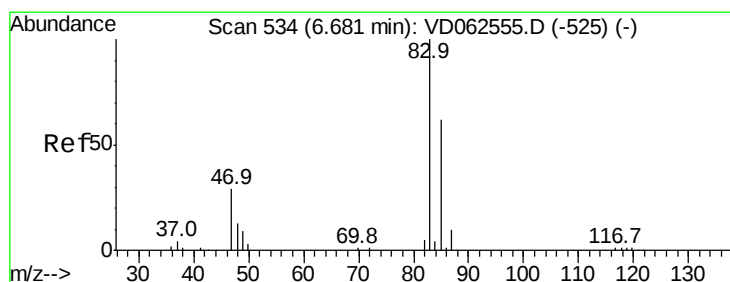
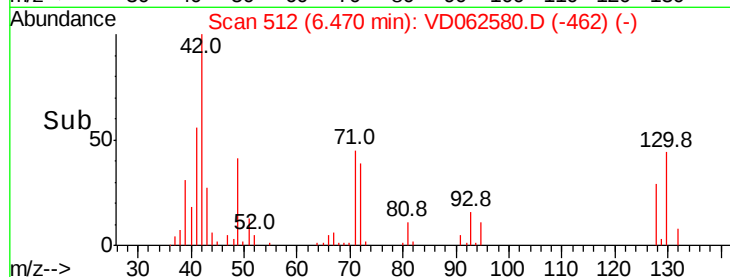
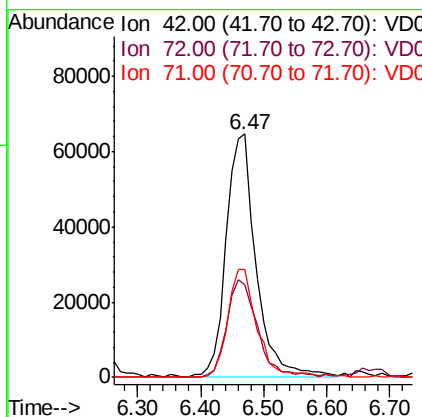
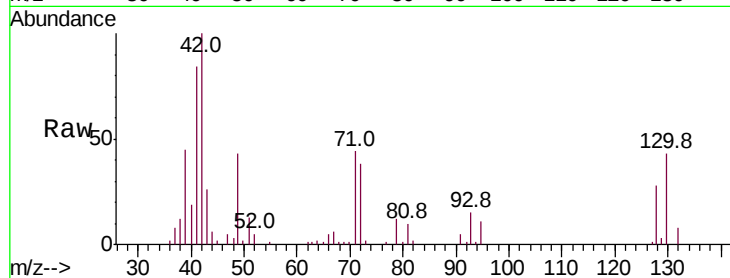
#29
Tetrahydrofuran
Concen: 266.940 ug/l
RT: 6.47 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.5	51.7
71	42.9	33.0	49.6

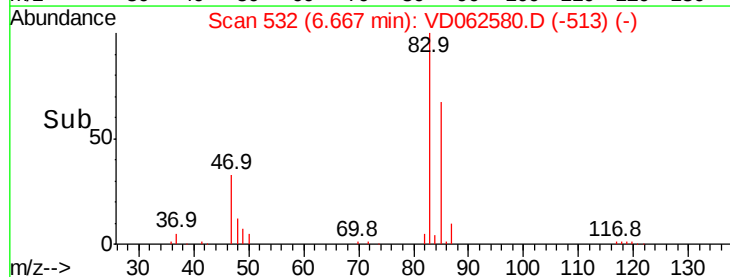
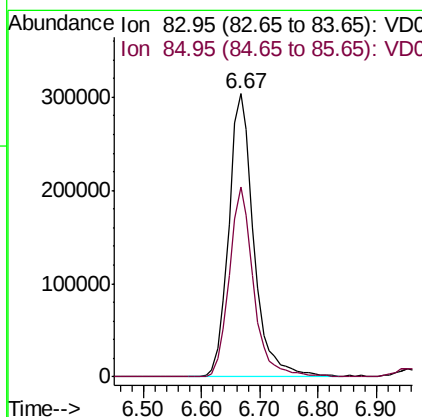
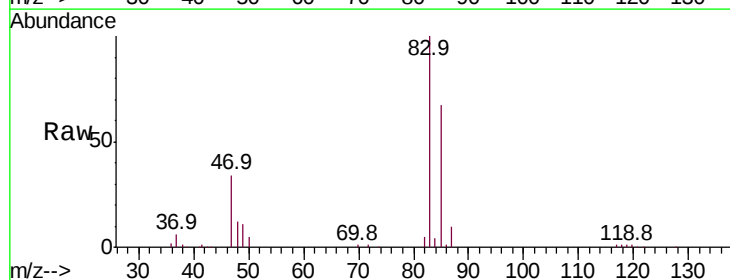
Manual Integrations
APPROVED

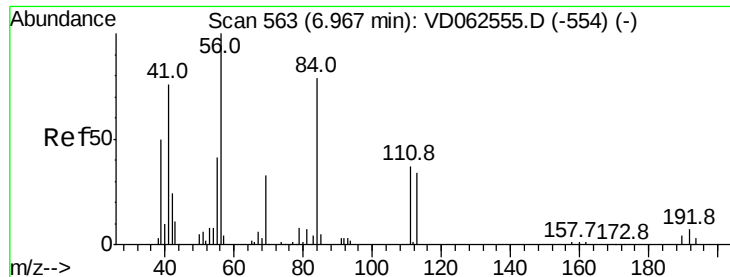
MMDadoda
6/6/2019 8:48:13 AM



#30
Chloroform
Concen: 57.133 ug/l
RT: 6.67 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	49.4	74.0





#31

Cyclohexane

Concen: 54.583 ug/l

RT: 6.95 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 486847

Ion Ratio Lower Upper

56 100

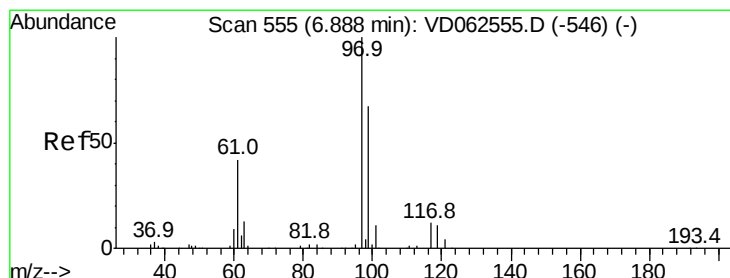
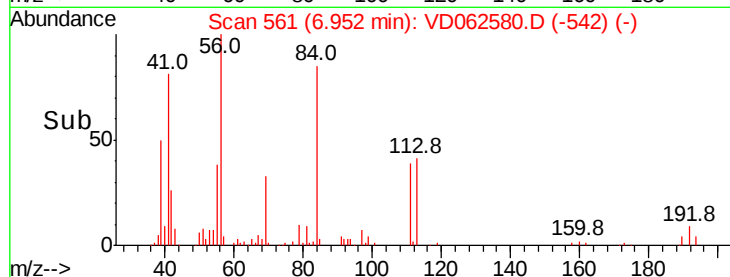
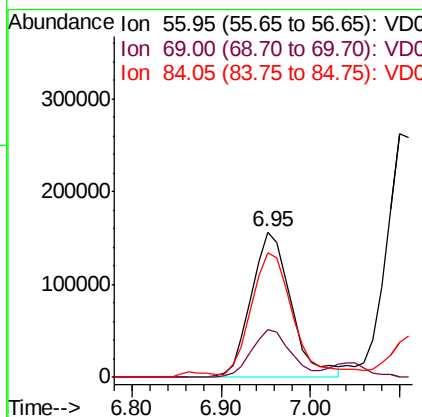
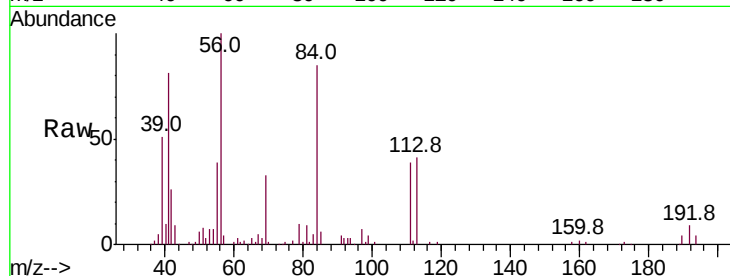
69 32.7 26.2 39.2

84 85.4 65.2 97.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 57.658 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

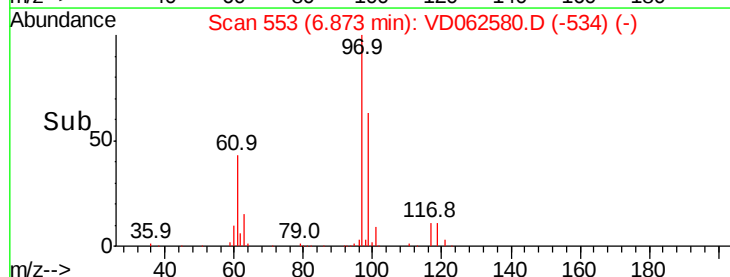
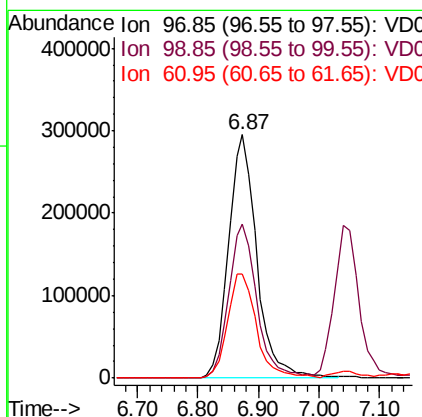
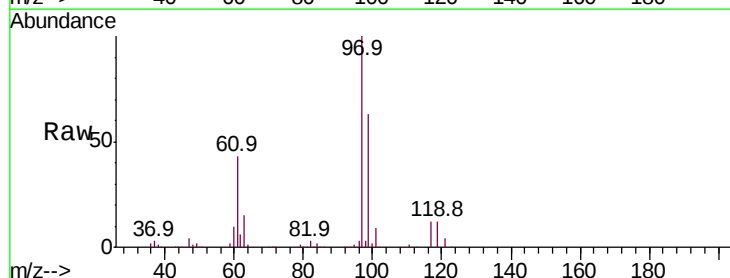
Tgt Ion: 97 Resp: 953902

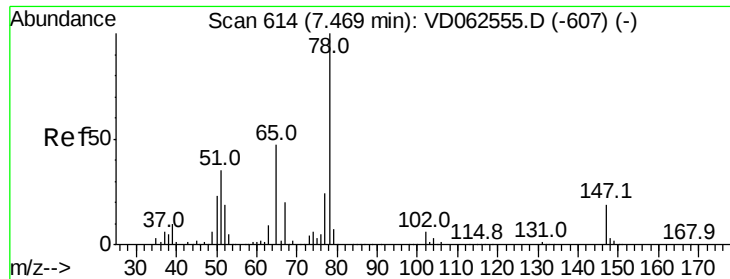
Ion Ratio Lower Upper

97 100

99 63.4 53.6 80.4

61 42.8 33.9 50.9





#33

1,2-Dichloroethane-d4

Concen: 50.082 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 480970

Ion Ratio Lower Upper

65 100

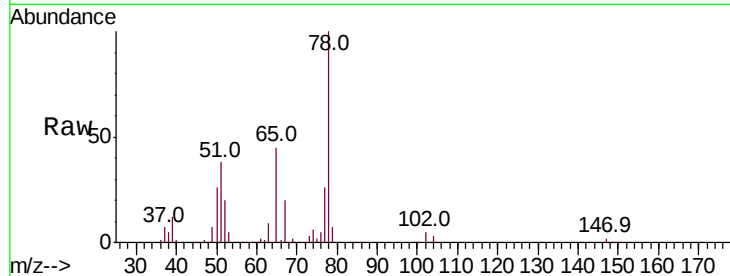
67 45.0 0.0 83.6

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

200000

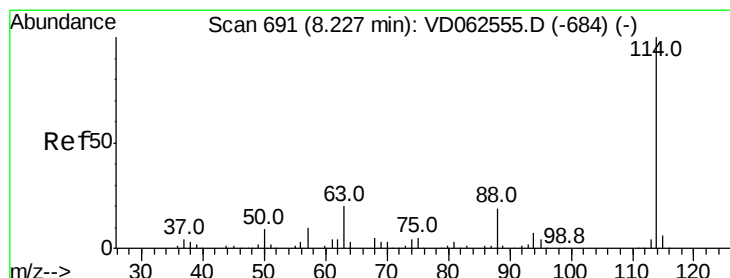
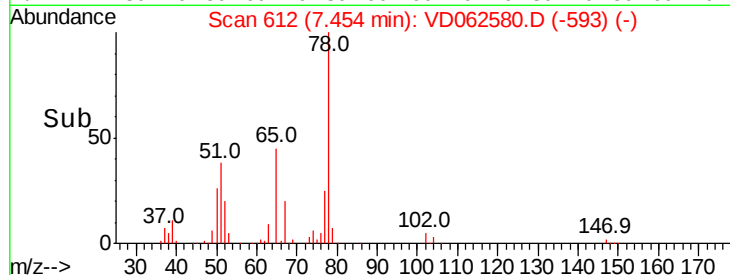
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

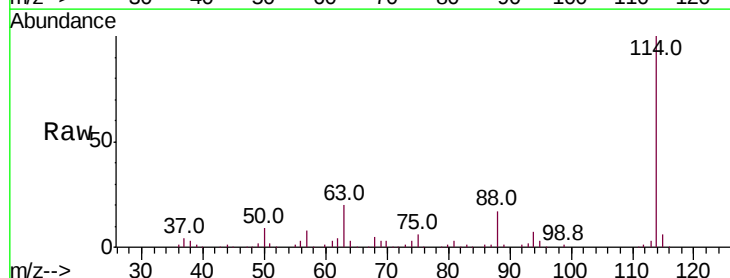
Tgt Ion:114 Resp: 1101176

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.6

88 17.2 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

500000

400000

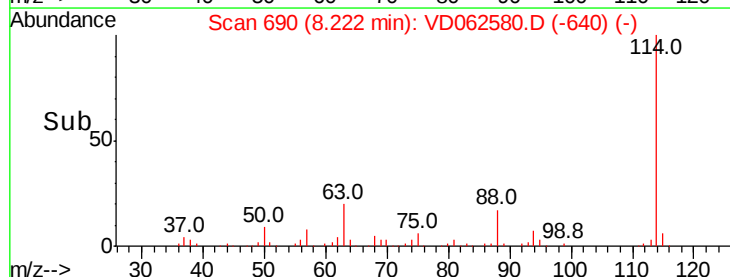
300000

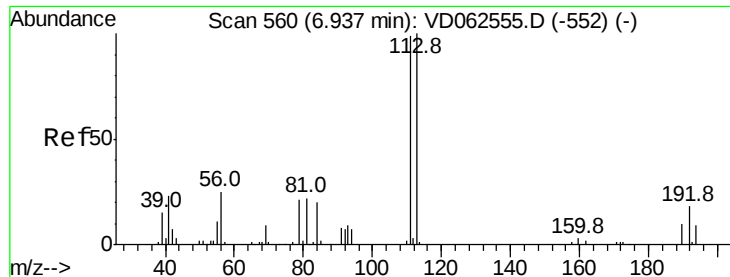
200000

100000

0

Time-->





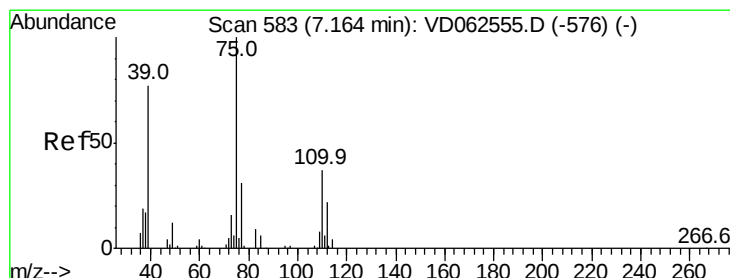
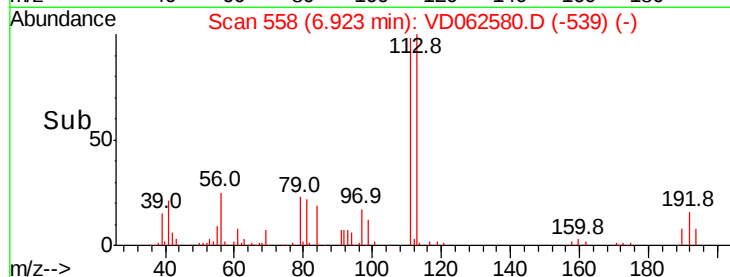
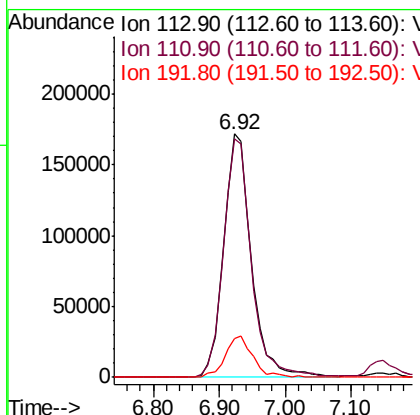
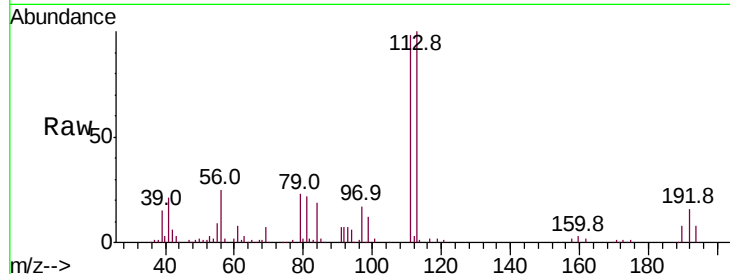
#35
 Dibromofluoromethane
 Concen: 50.396 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	505705		
111	97.8		78.8	118.2
192	15.8		14.6	22.0

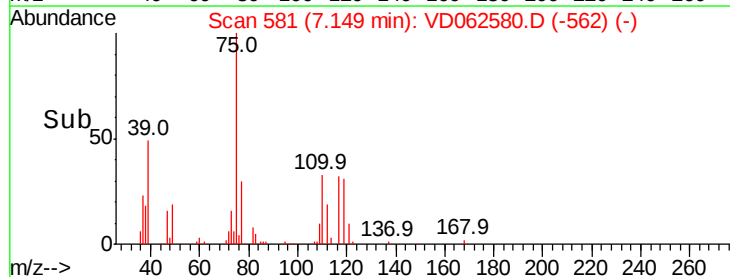
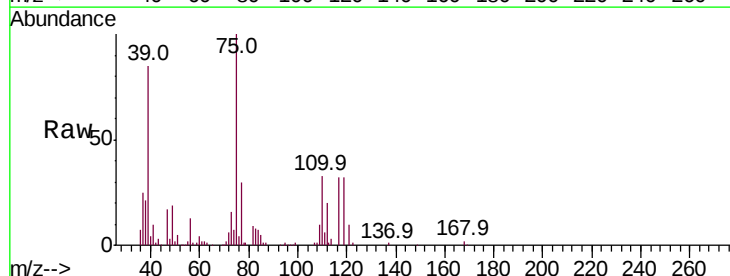
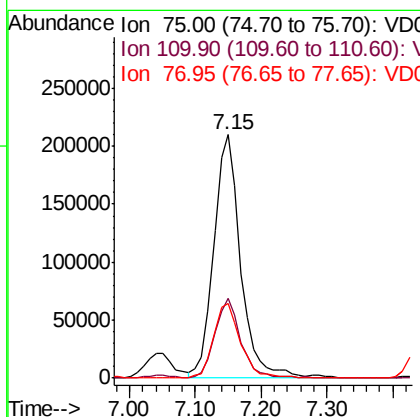
Manual Integrations
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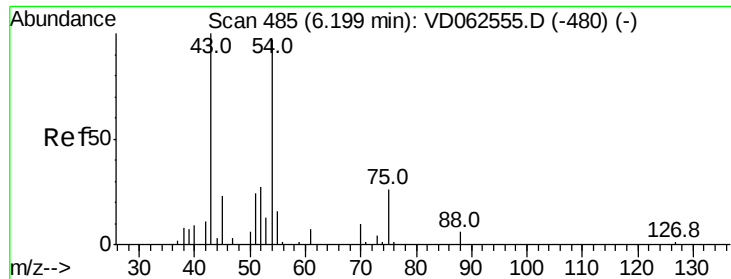
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#36
 1,1-Dichloropropene
 Concen: 53.421 ug/l
 RT: 7.15 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	585589		
110	32.9		18.3	54.8
77	30.5		24.4	36.6





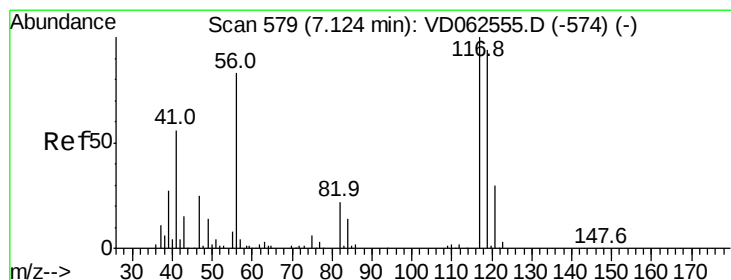
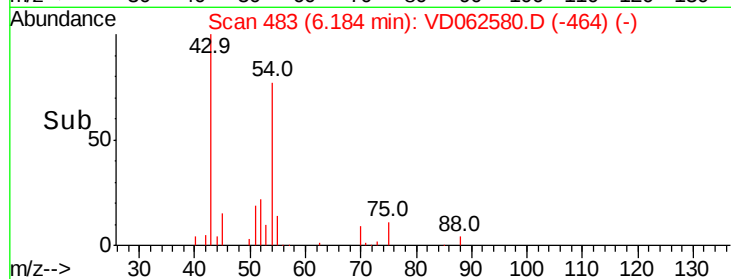
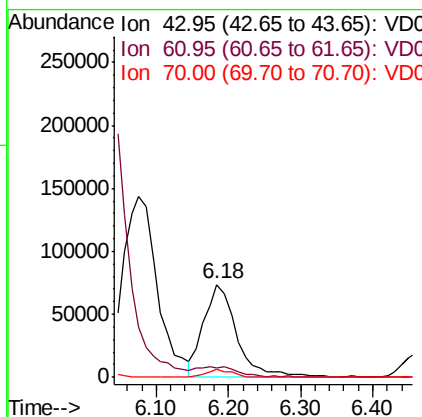
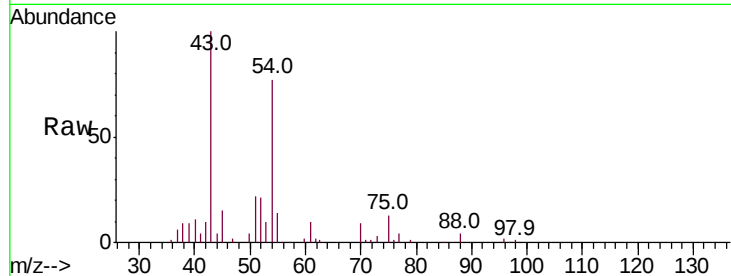
#37
Ethyl Acetate
Concen: 49.351 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.2	9.8	14.8
70	8.9	6.5	9.7

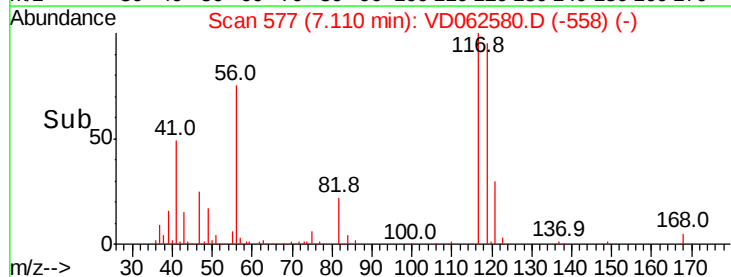
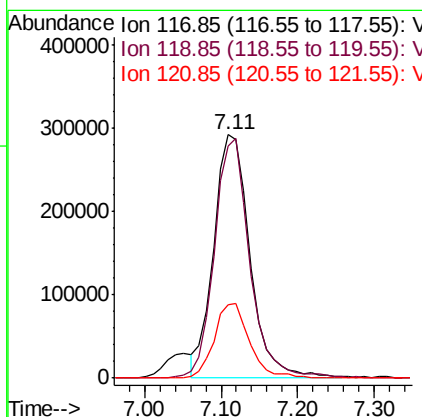
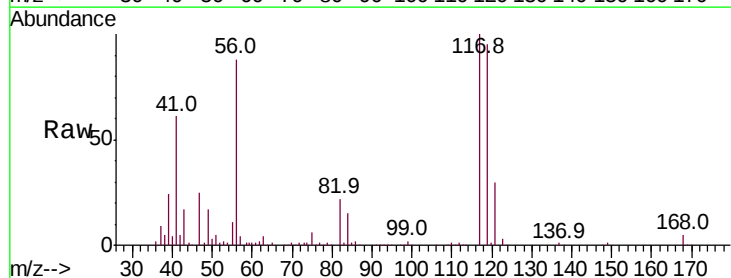
Manual Integrations
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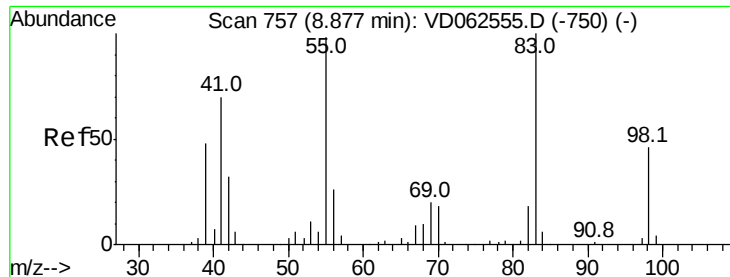
MMDadoda
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#38
Carbon Tetrachloride
Concen: 59.473 ug/l m
RT: 7.11 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	71.4	107.2
121	30.3	22.5	33.7





#39

Methvlcvclohexane

Concen: 52.670 ug/l

RT: 8.86 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 488819

Ion Ratio Lower Upper

83 100

55 97.5 78.7 118.1

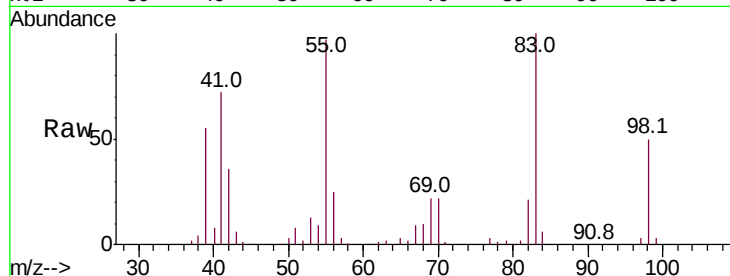
98 50.1 37.2 55.8

Manual Integrations

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MMDadoda

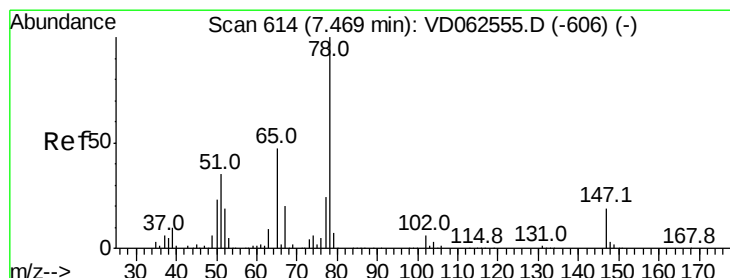
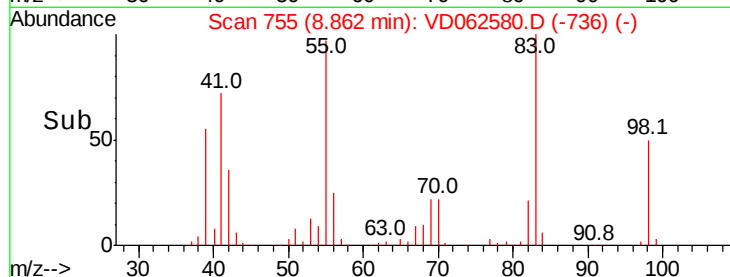
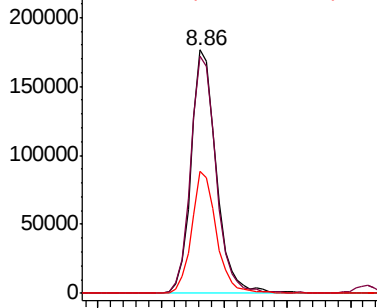
6/6/2019 8:48:13 AM



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 53.876 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062580.D

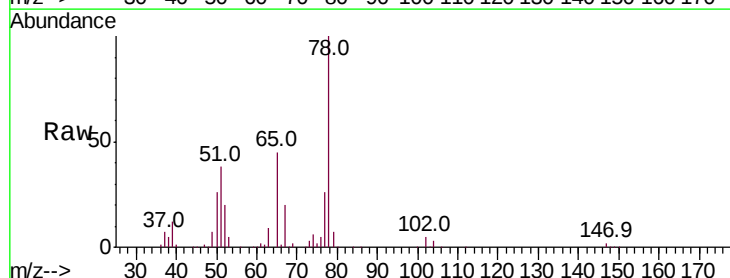
Acq: 3 Jun 2019 12:24

Tgt Ion: 78 Resp: 1159113

Ion Ratio Lower Upper

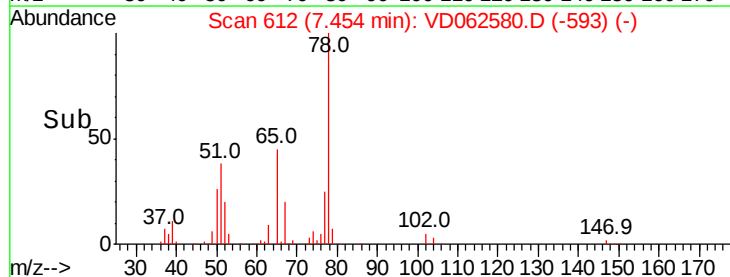
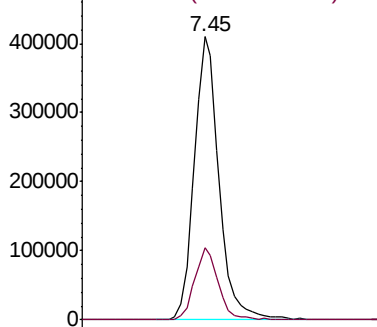
78 100

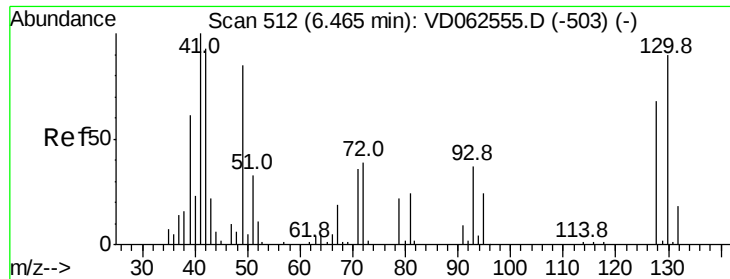
77 25.6 19.1 28.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





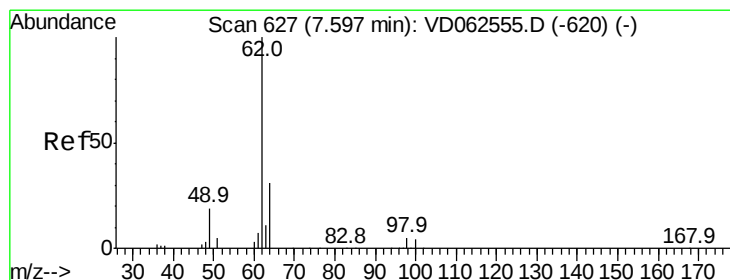
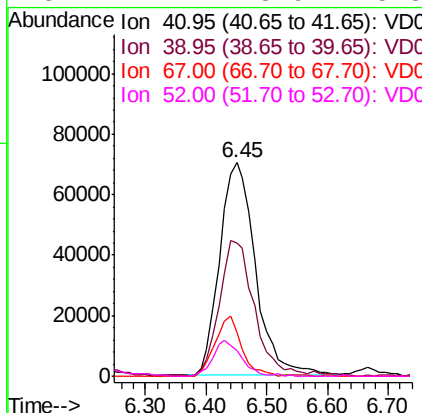
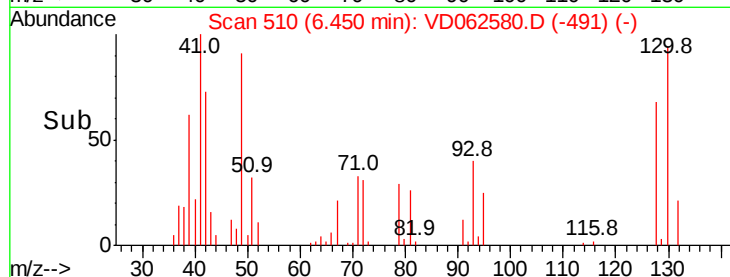
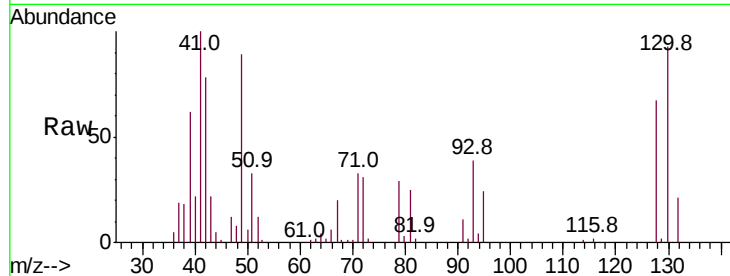
#41
Methacrylonitrile
Concen: 53.057 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.2	49.0	73.6
67	20.3	15.5	23.3
52	12.2	8.9	13.3

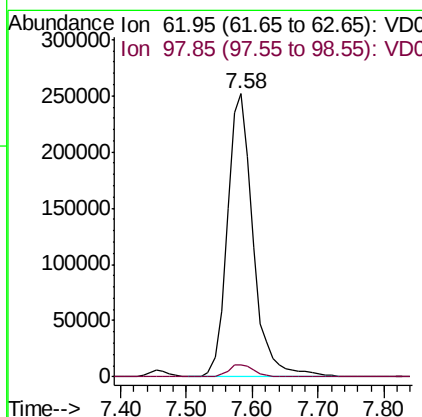
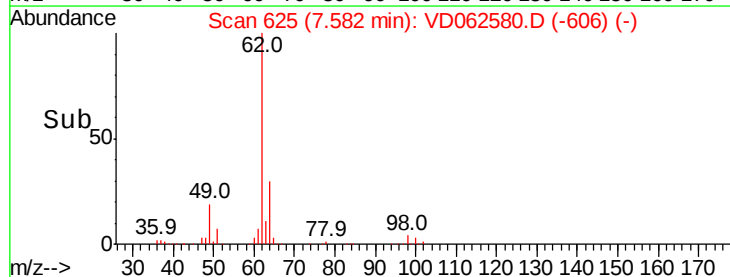
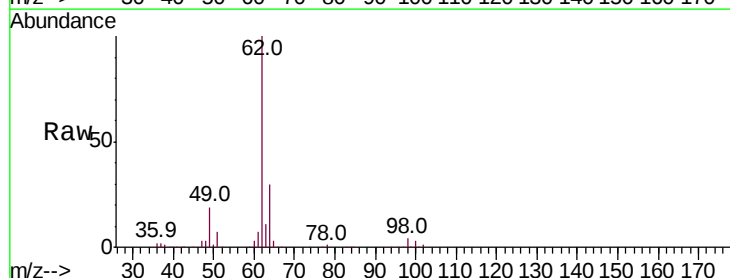
Manual Integrations
APPROVED

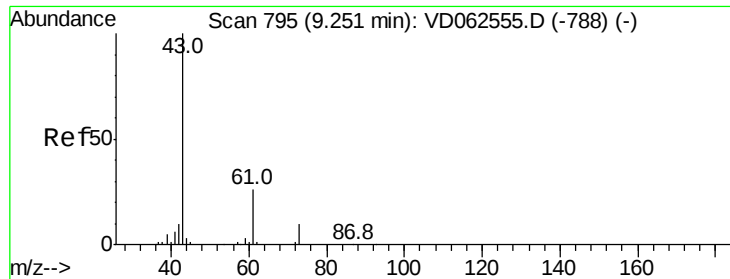
MMDadoda
6/6/2019 8:48:13 AM



#42
1,2-Dichloroethane
Concen: 57.547 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.01 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.3	0.0	11.0





#43

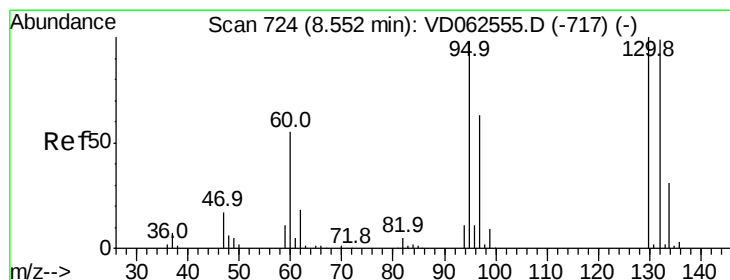
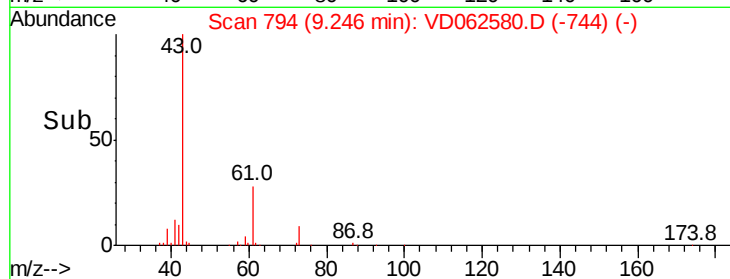
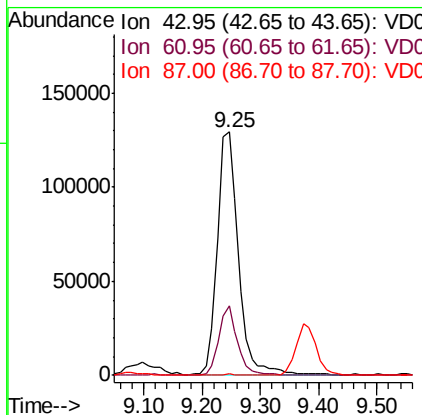
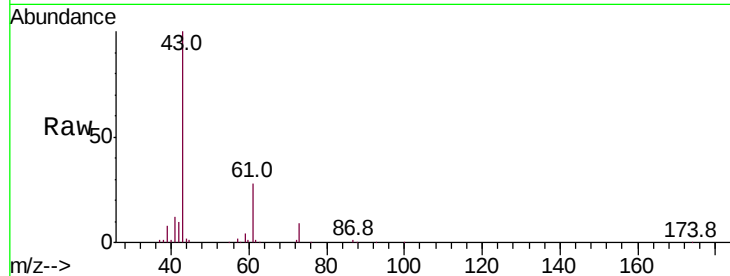
Isopropyl Acetate
 Concen: 56.959 ug/l
 RT: 9.25 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.3	20.5	30.7
87	0.5	0.2	0.2

Manual Integrations
 APPROVED

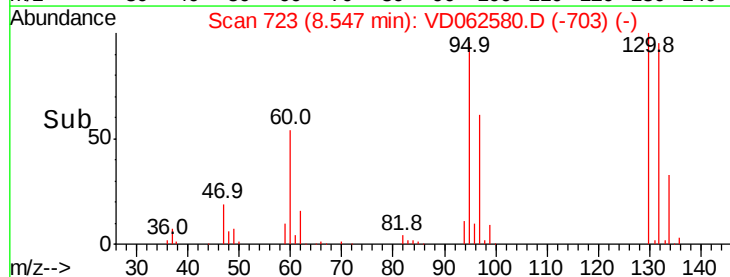
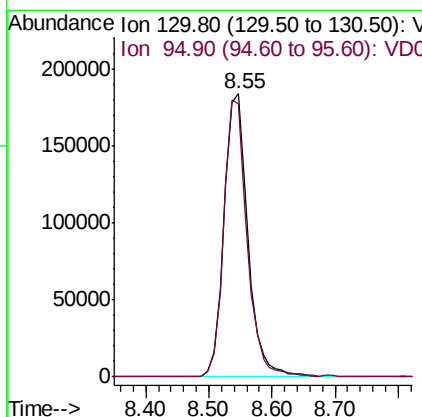
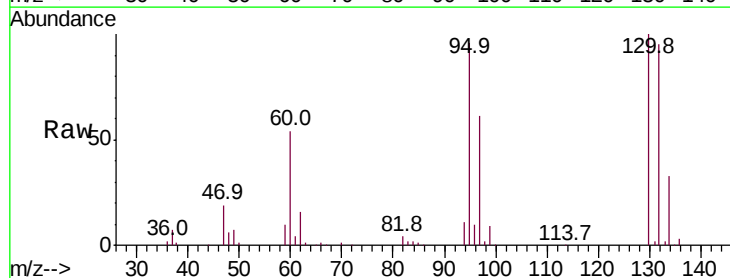
MMDadoda
 6/6/2019 8:48:13 AM

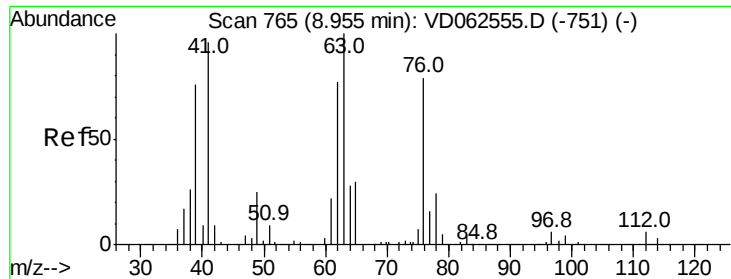


#44

Trichloroethene
 Concen: 56.012 ug/l
 RT: 8.55 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	196.6





#45

1,2-Dichloropropane

Concen: 53.841 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 283994

Ion Ratio Lower Upper

63 100

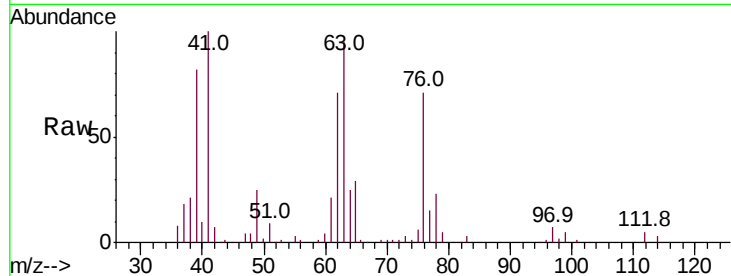
65 30.9 23.7 35.5

Manual Integrations

APPROVED

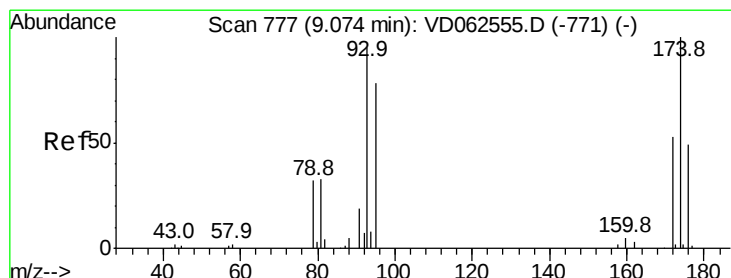
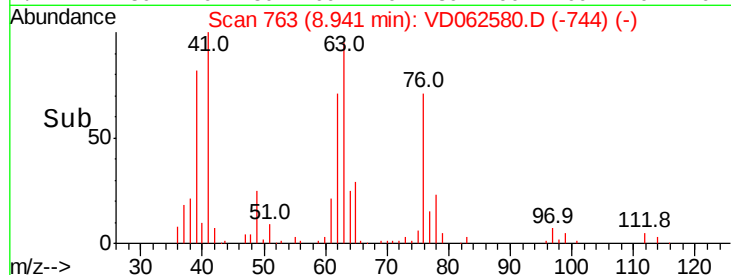
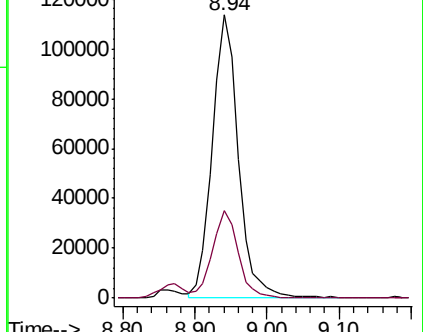
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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 55.940 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

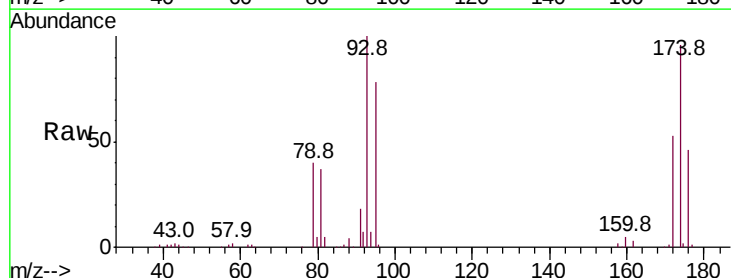
Tgt Ion: 93 Resp: 247842

Ion Ratio Lower Upper

93 100

95 78.0 66.1 99.1

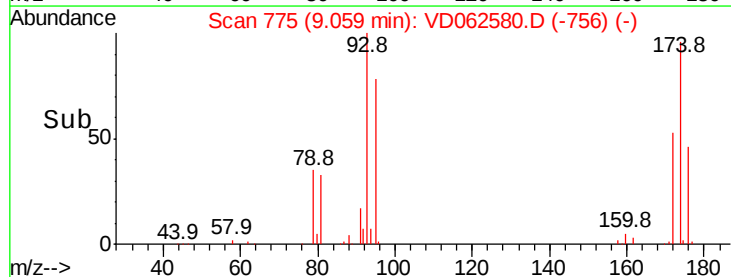
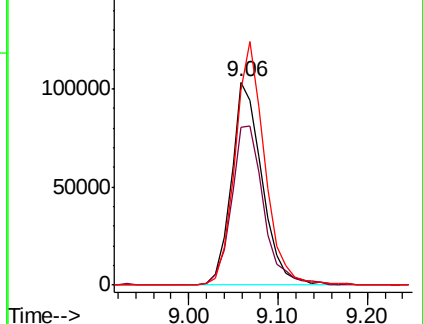
174 96.3 84.2 126.4

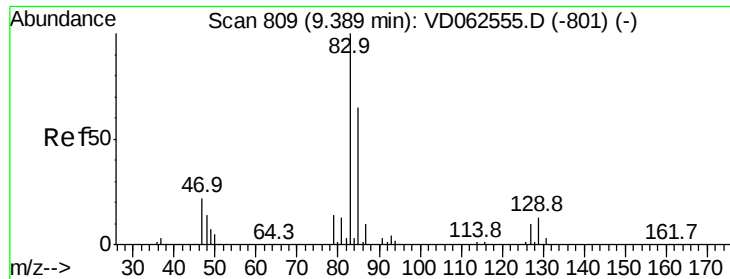


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 55.722 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

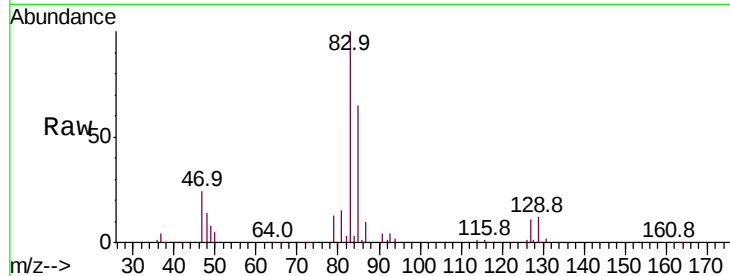
ClientSampleId :

VSTDCCC050

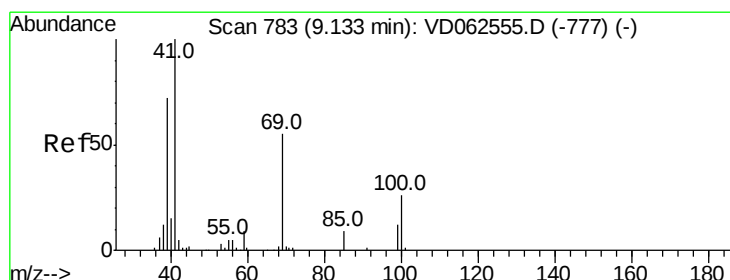
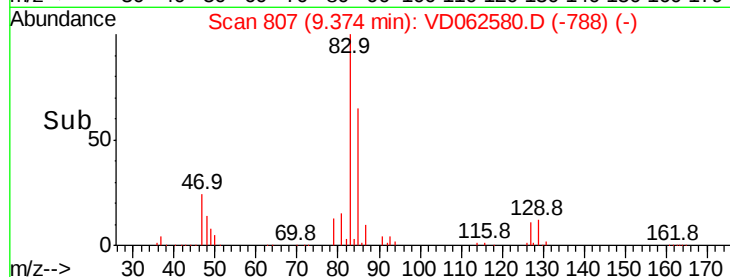
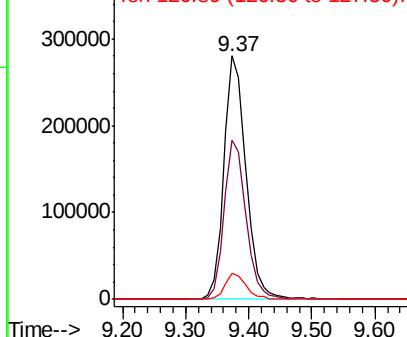
Tot Ion:	83	Resp:	680226
Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.8
127	10.7	7.8	11.6

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



#48

Methyl methacrylate

Concen: 56.230 ug/l

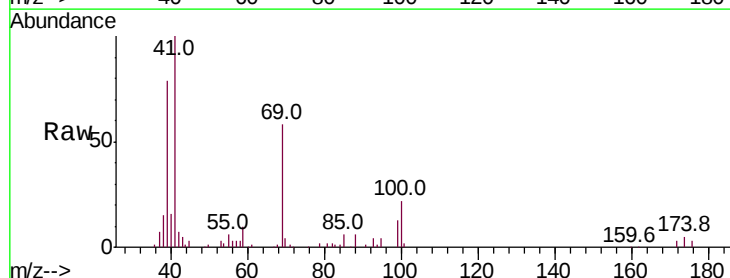
RT: 9.12 min Scan# 781

Delta R.T. -0.01 min

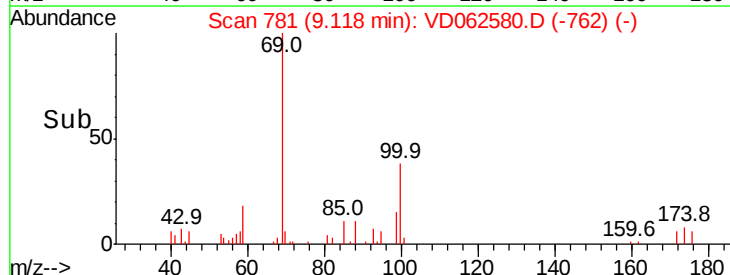
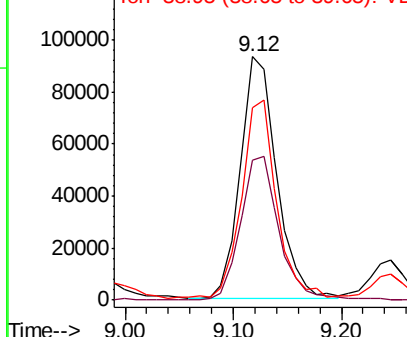
Lab File: VD062580.D

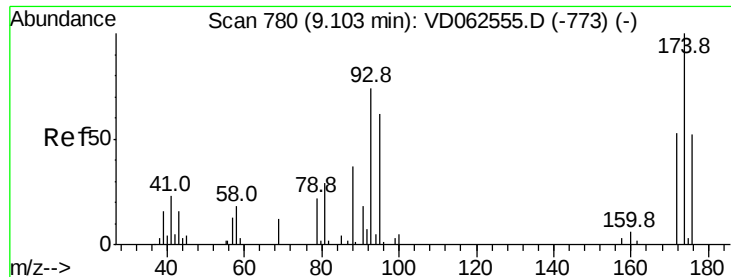
Acq: 3 Jun 2019 12:24

Tgt Ion:	41	Resp:	215413
Ion	Ratio	Lower	Upper
41	100		
69	57.6	43.6	65.4
39	79.0	58.1	87.1



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





#49

1,4-Dioxane

Concen: 1249.009 ug/l

RT: 9.10 min Scan# 779

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 38865

Ion Ratio Lower Upper

88 100

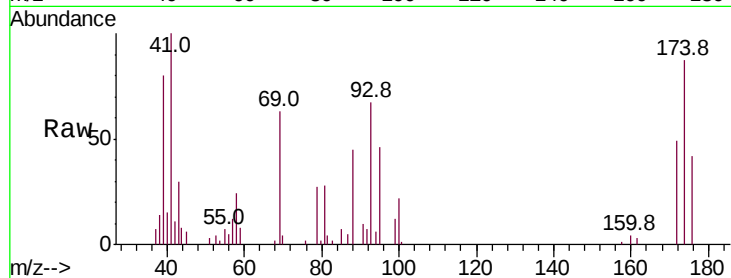
43 66.0 37.1 55.7#

58 53.2 39.3 58.9

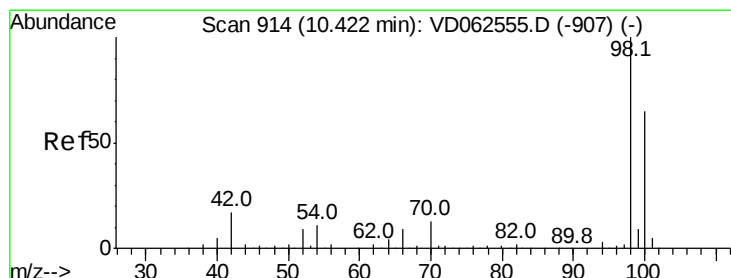
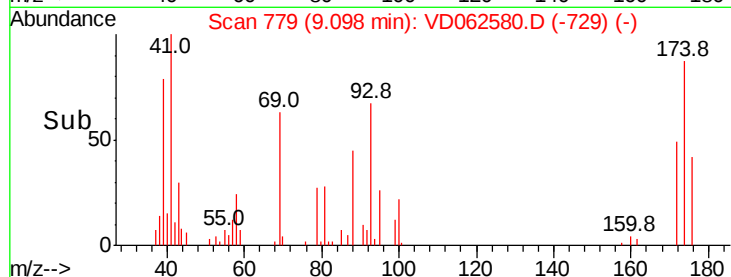
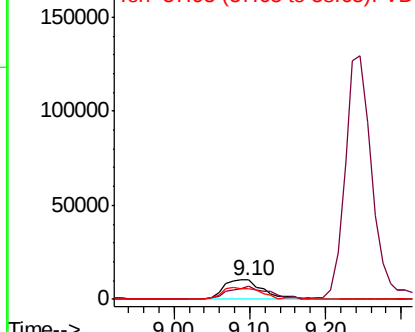
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Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 45.199 ug/l

RT: 10.42 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD062580.D

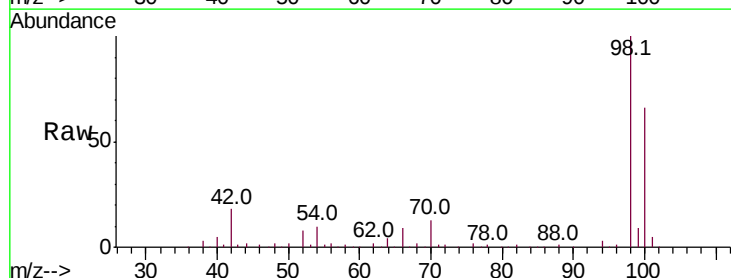
Acq: 3 Jun 2019 12:24

Tgt Ion: 98 Resp: 993752

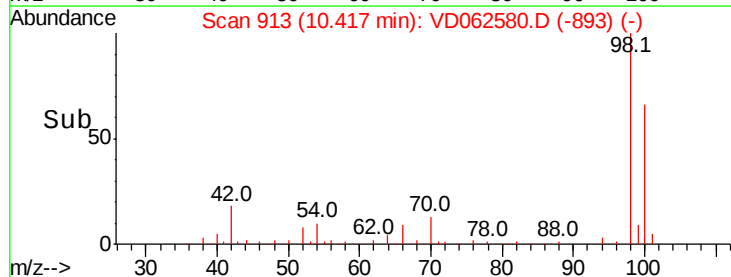
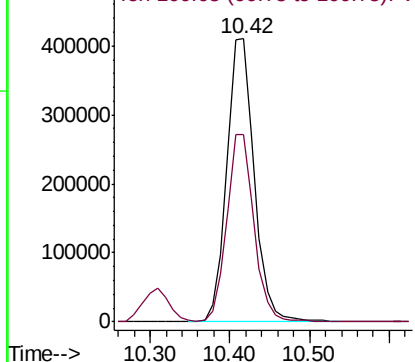
Ion Ratio Lower Upper

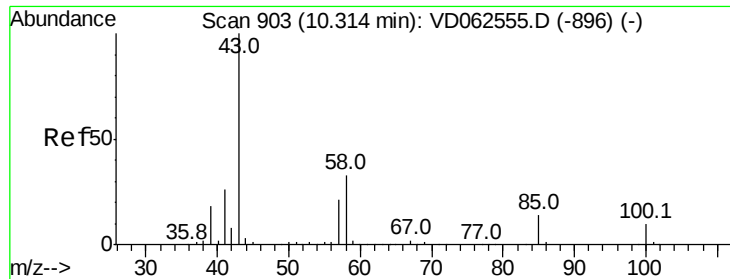
98 100

100 66.3 52.3 78.5



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





#51

4-Methyl-2-Pentanone

Concen: 270.437 ug/l

RT: 10.31 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Tot Ion: 43 Resp: 1085231

Ion Ratio Lower Upper

43 100

58 34.7 26.1 39.1

Instrument :

MSVOA_D

ClientSampleId :

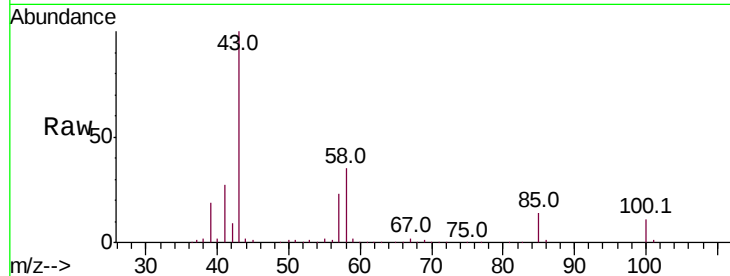
VSTDCCC050

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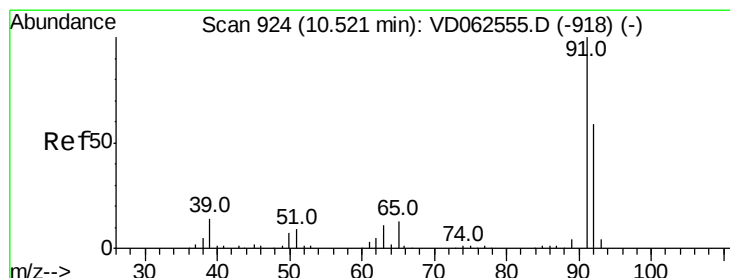
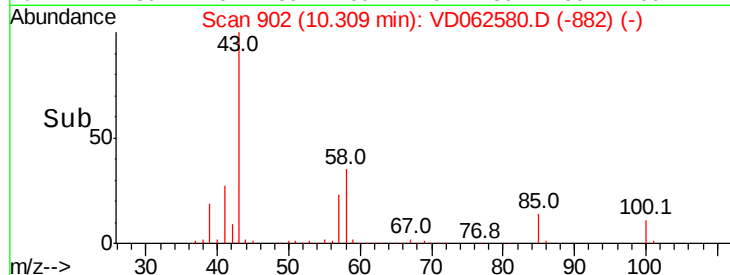
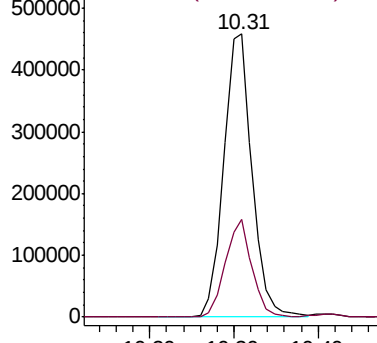
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 55.206 ug/l

RT: 10.51 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD062580.D

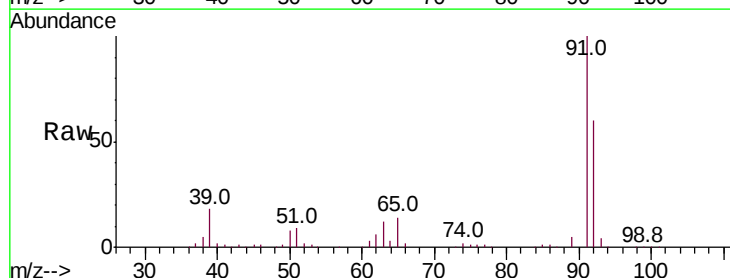
Acq: 3 Jun 2019 12:24

Tgt Ion: 92 Resp: 810071

Ion Ratio Lower Upper

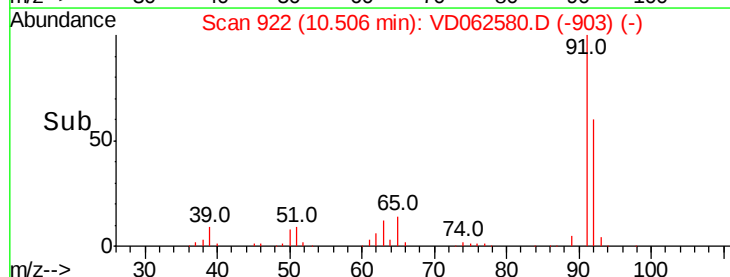
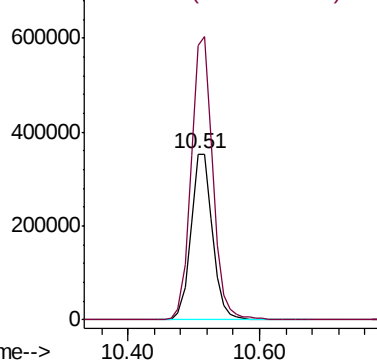
92 100

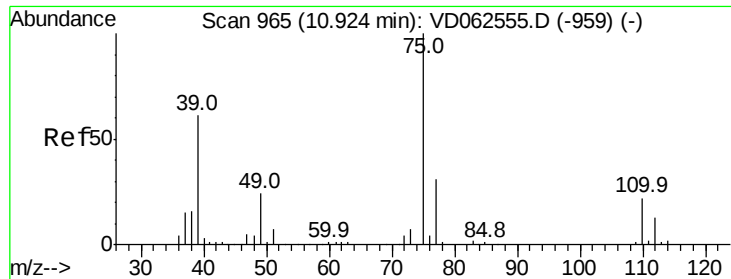
91 165.8 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 55.695 ug/l

RT: 10.92 min Scan# 964

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 574436

Ion Ratio Lower Upper

75 100

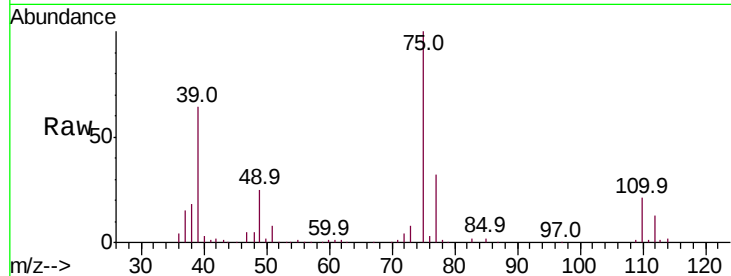
77 31.8 24.5 36.7

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.92

250000

200000

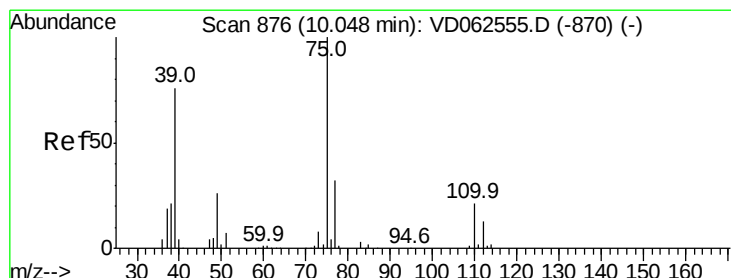
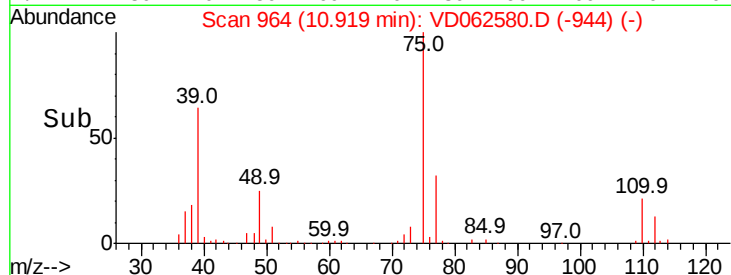
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 56.853 ug/l

RT: 10.04 min Scan# 875

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

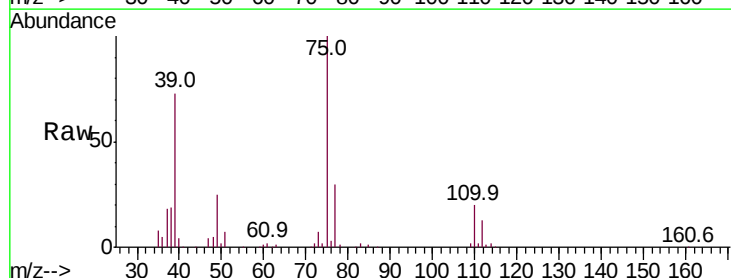
Tgt Ion: 75 Resp: 609635

Ion Ratio Lower Upper

75 100

77 30.4 25.7 38.5

39 73.3 61.0 91.6



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

10.04

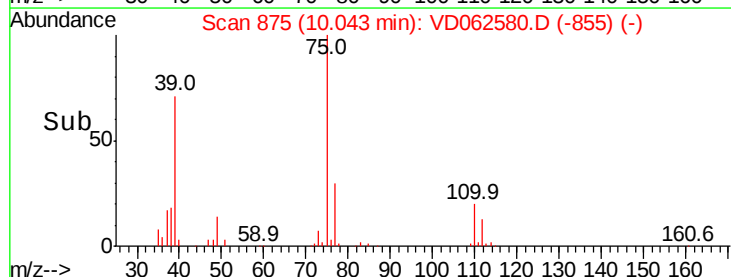
300000

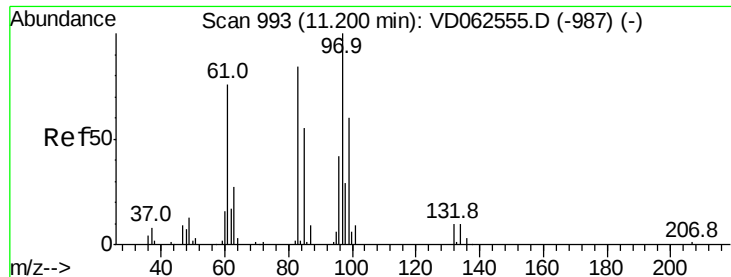
200000

100000

0

Time-->





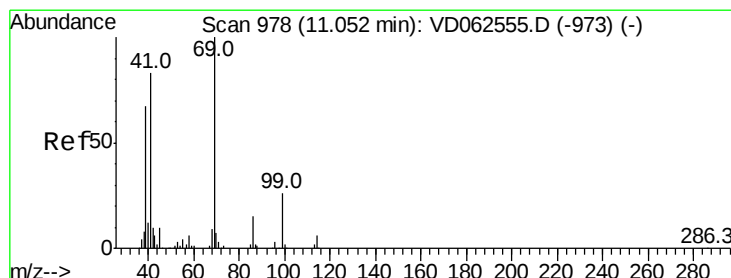
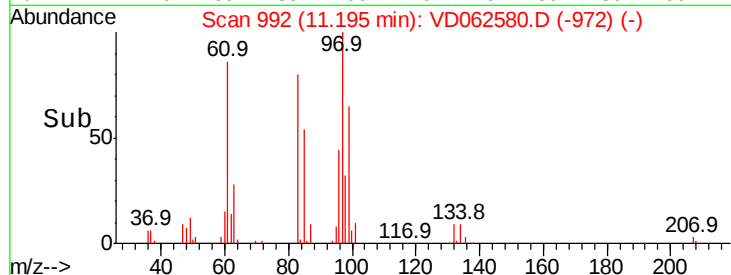
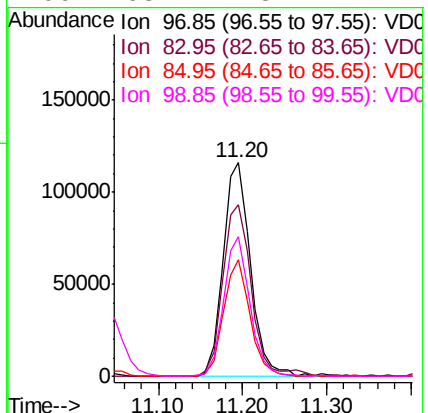
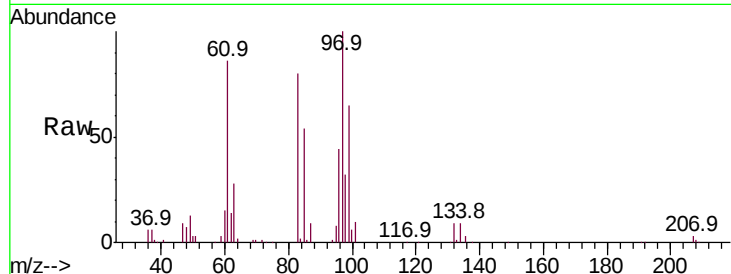
#55
1,1,2-Trichloroethane
Concen: 54.316 ug/l
RT: 11.20 min Scan# 992
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	97	Resp	261697
Ion Ratio	Lower	Upper	
97	100		
83	80.4	67.3	100.9
85	54.3	43.8	65.8
99	65.1	48.2	72.2

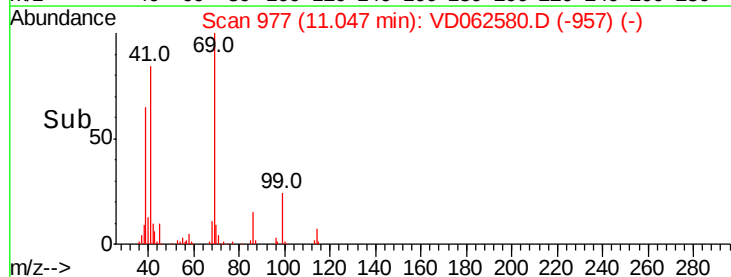
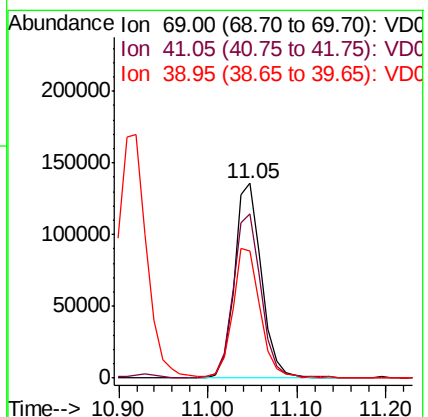
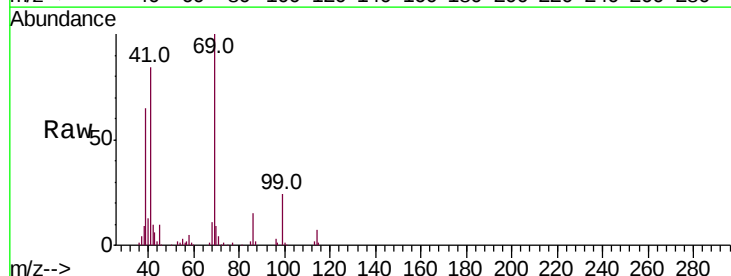
Manual Integrations
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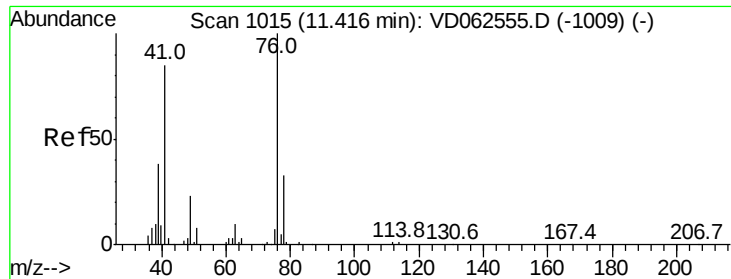
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#56
Ethyl methacrylate
Concen: 55.835 ug/l
RT: 11.05 min Scan# 977
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion	69	Resp	286727
Ion Ratio	Lower	Upper	
69	100		
41	84.2	66.1	99.1
39	65.2	54.2	81.2





#57

1,3-Dichloropropane

Concen: 55.233 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 410235

Ion Ratio Lower Upper

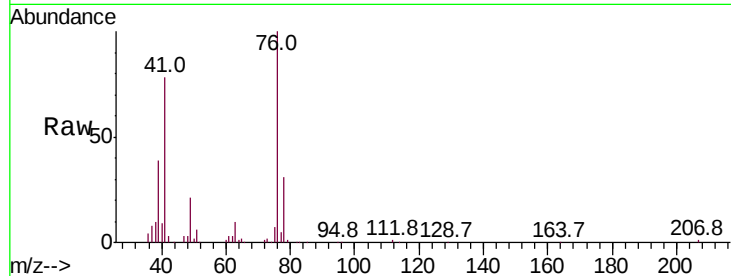
76 100

78 31.3 26.7 40.1

Manual Integrations
APPROVED

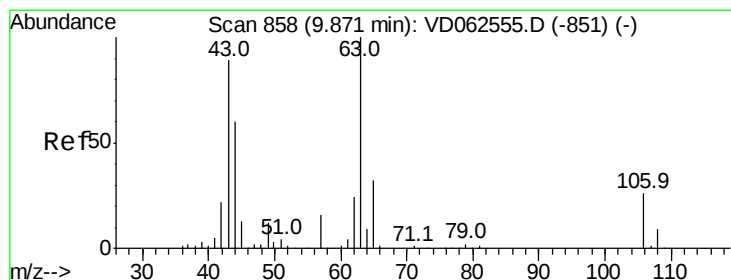
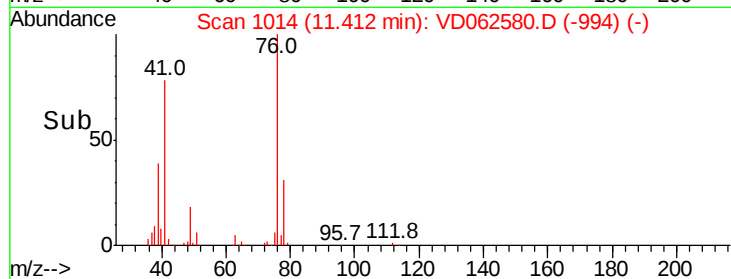
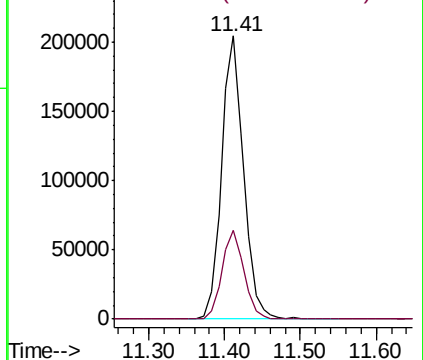
MMDadoda

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 263.480 ug/l

RT: 9.86 min Scan# 856

Delta R.T. -0.01 min

Lab File: VD062580.D

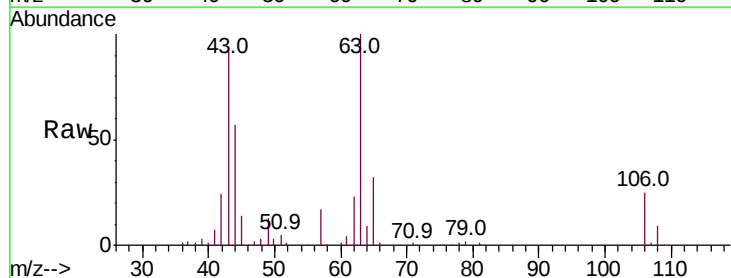
Acq: 3 Jun 2019 12:24

Tgt Ion: 63 Resp: 693936

Ion Ratio Lower Upper

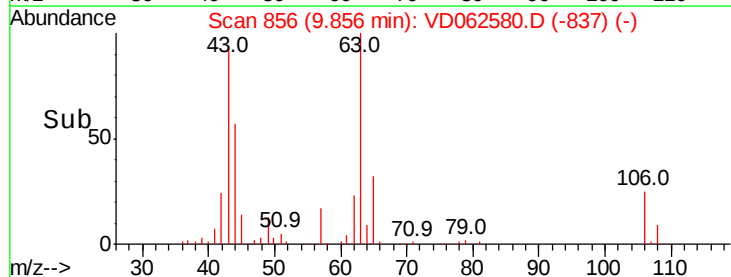
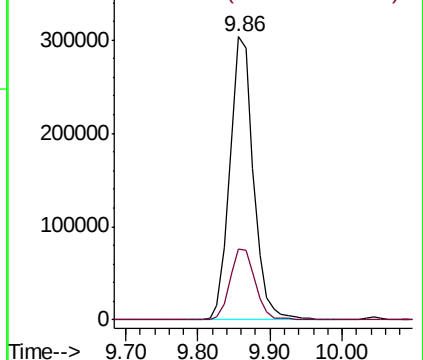
63 100

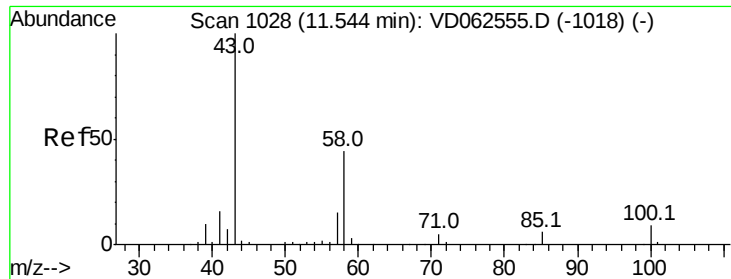
106 25.3 21.0 31.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





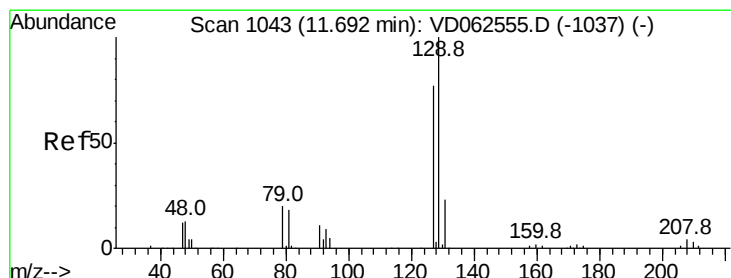
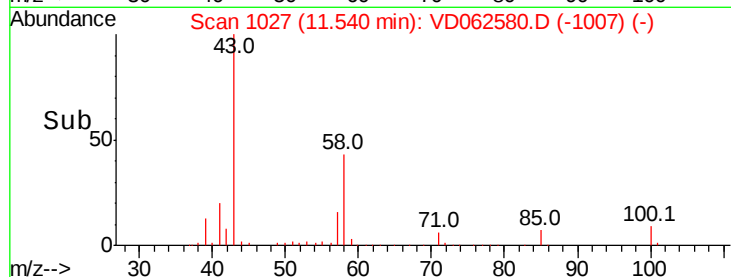
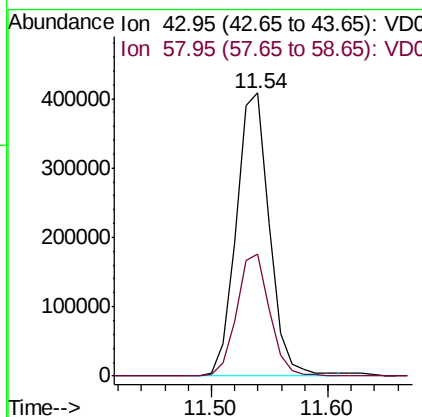
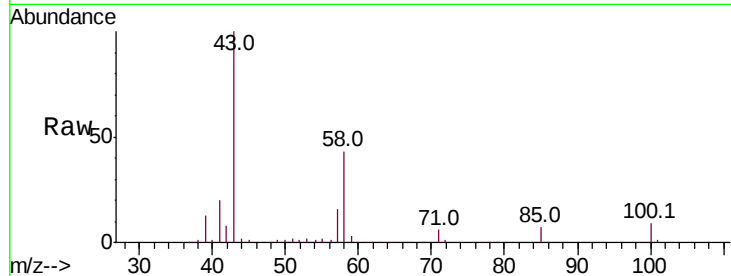
#59
2-Hexanone
Concen: 285.545 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 803730
Ion Ratio Lower Upper
43 100
58 43.3 22.0 66.0

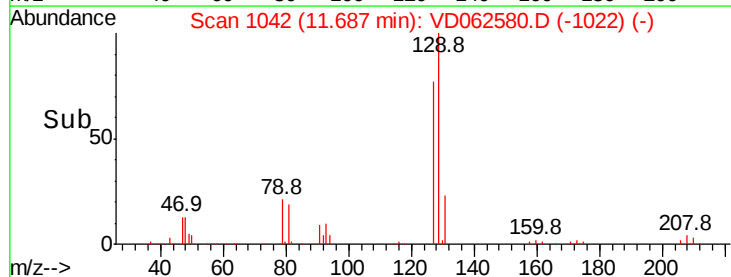
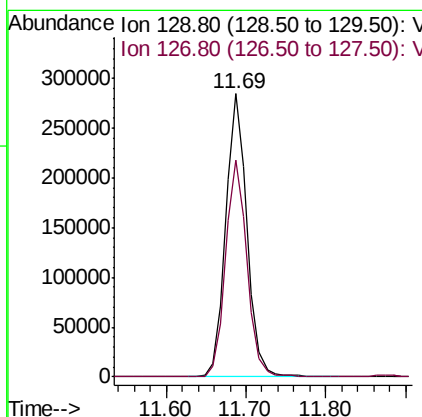
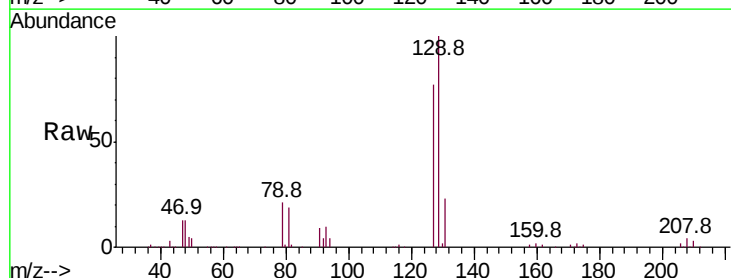
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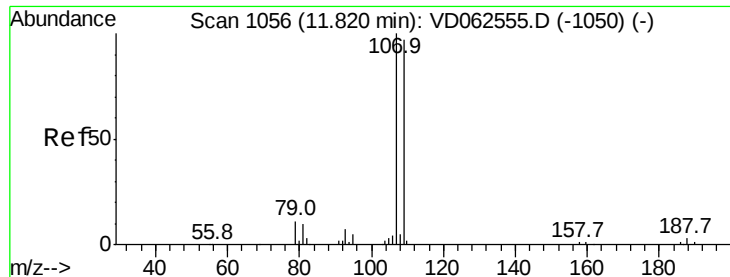
MMDadoda
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#60
Dibromochloromethane
Concen: 57.188 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion: 129 Resp: 535445
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8





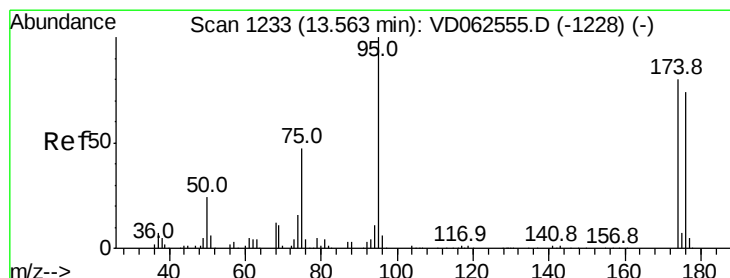
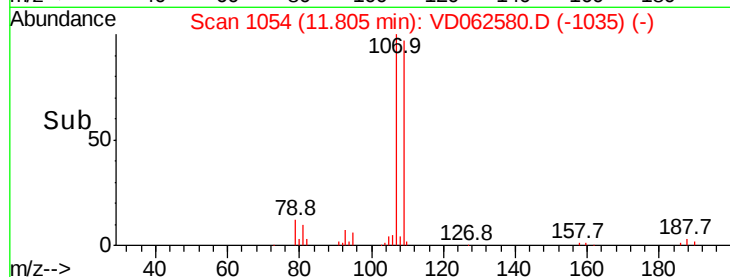
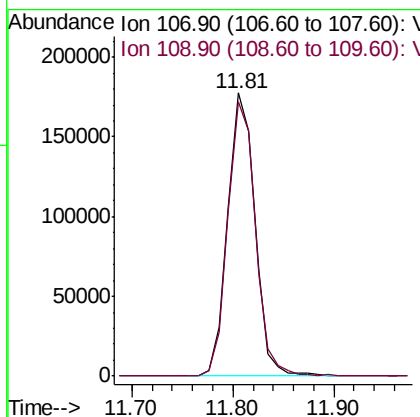
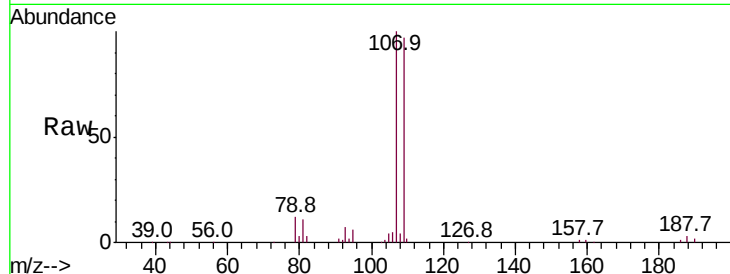
#61
 1,2-Dibromoethane
 Concen: 57.553 ug/l
 RT: 11.81 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.9	77.3	115.9

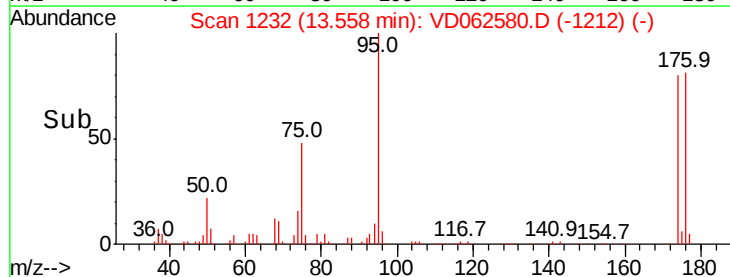
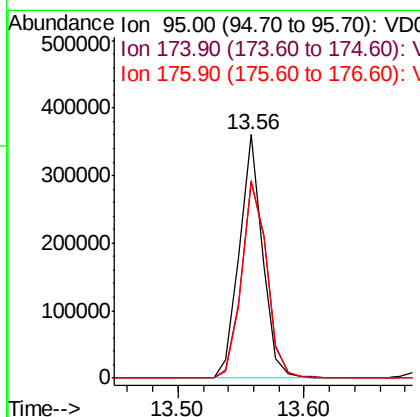
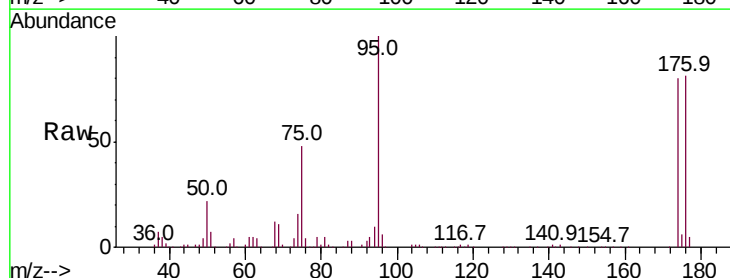
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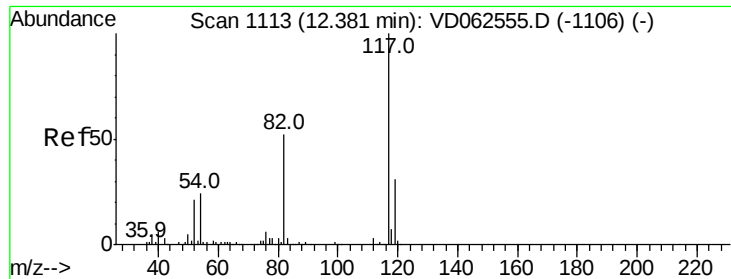
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#62
 4-Bromofluorobenzene
 Concen: 45.824 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.4	0.0	160.2
176	81.1	0.0	148.0





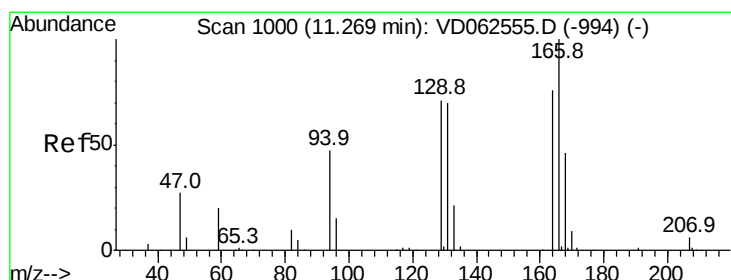
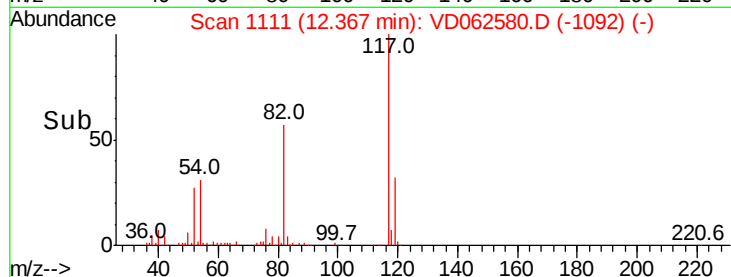
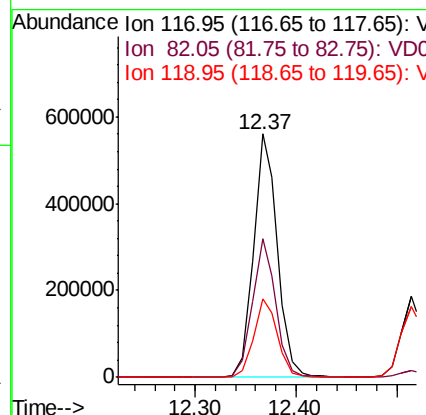
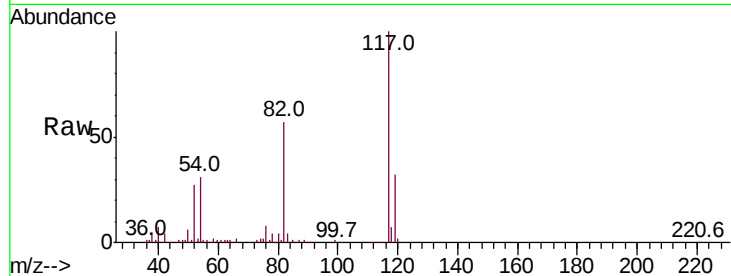
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	919689		
82	56.8		41.4	62.2
119	32.5		24.9	37.3

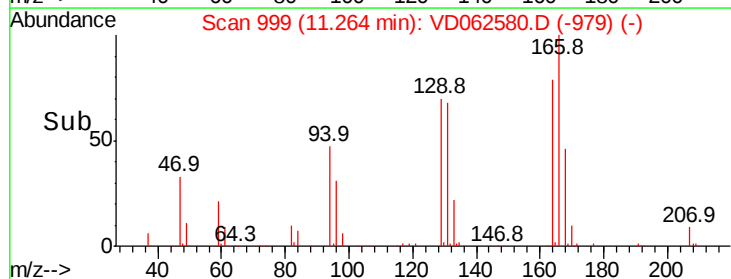
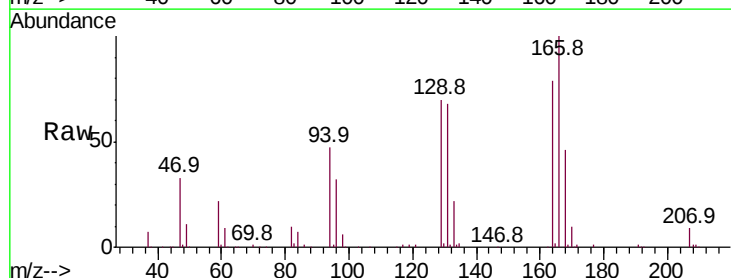
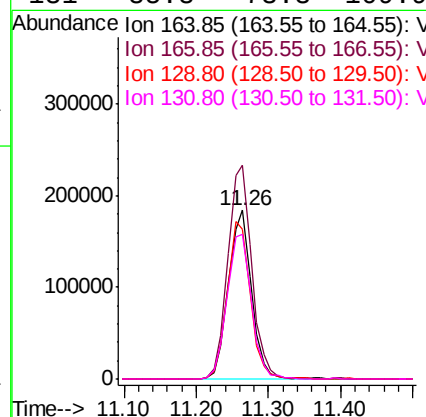
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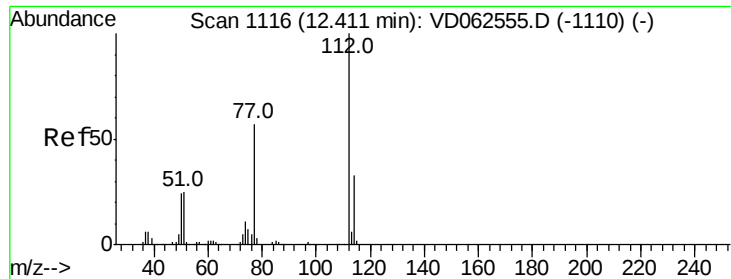
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#64
Tetrachloroethene
Concen: 50.261 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	408622		
166	126.6		105.3	157.9
129	88.9		75.3	112.9
131	85.8		73.3	109.9





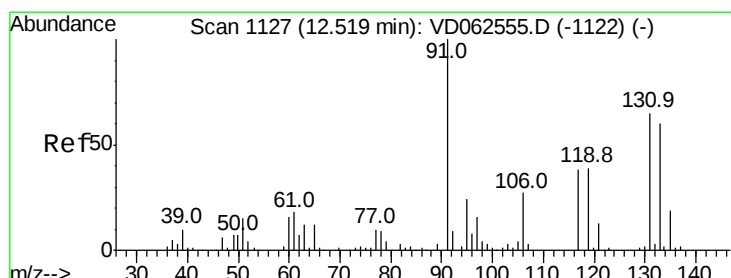
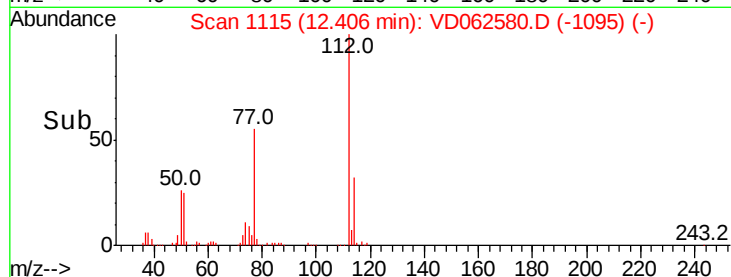
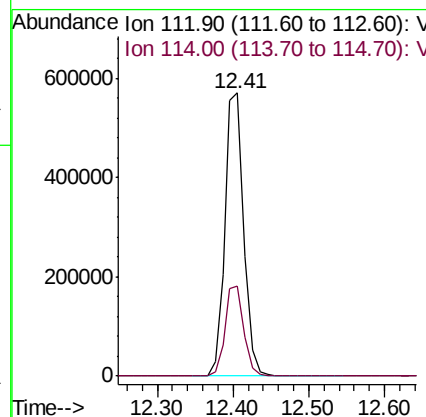
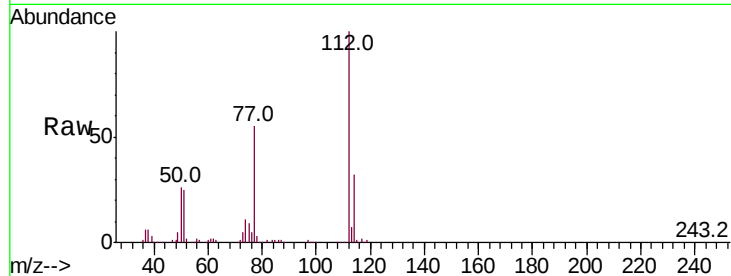
#65
Chlorobenzene
Concen: 55.409 ug/l
RT: 12.41 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 992735
Ion Ratio Lower Upper
112 100
114 32.1 26.6 39.8

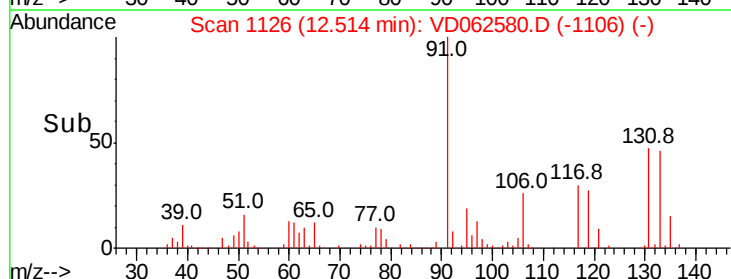
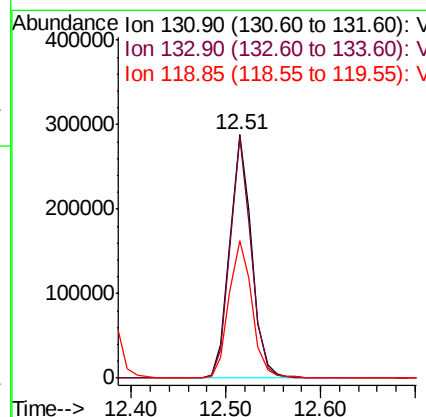
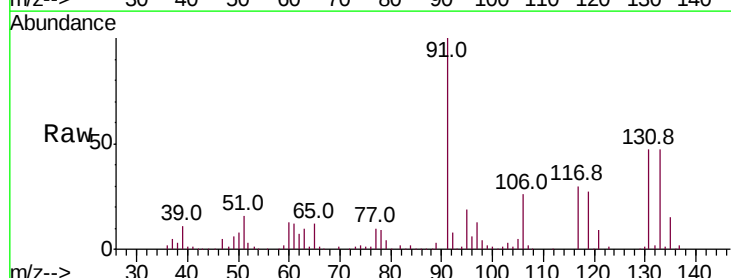
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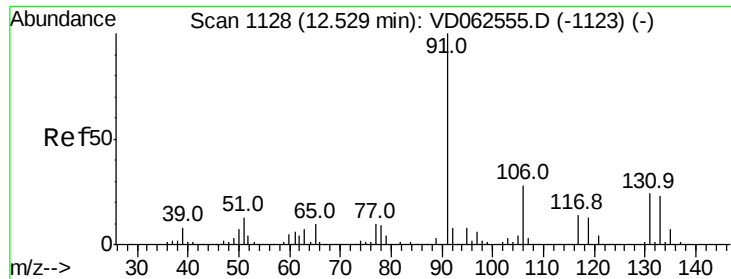
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.198 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion:131 Resp: 459233
Ion Ratio Lower Upper
131 100
133 99.2 46.2 138.6
119 56.5 29.5 88.6





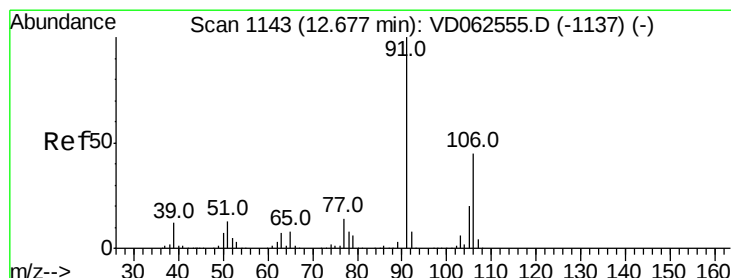
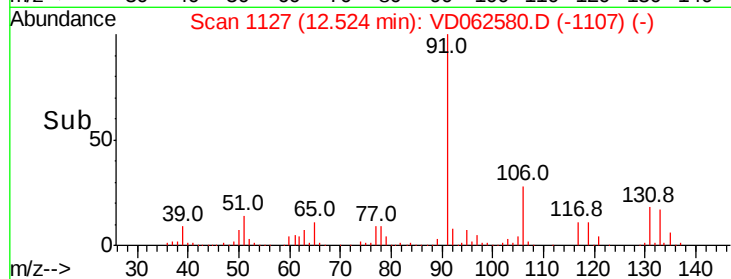
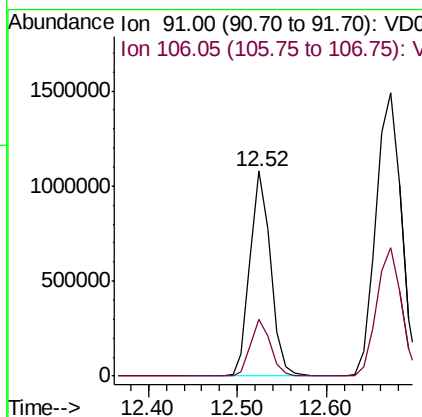
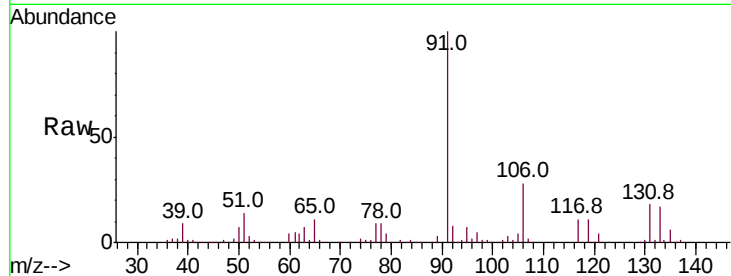
#67
Ethyl Benzene
Concen: 52.401 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1720111
Ion Ratio Lower Upper
91 100
106 27.8 22.2 33.2

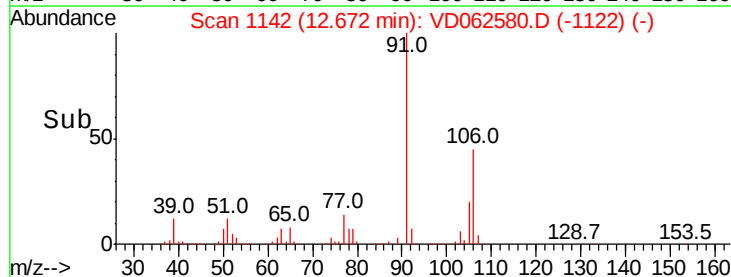
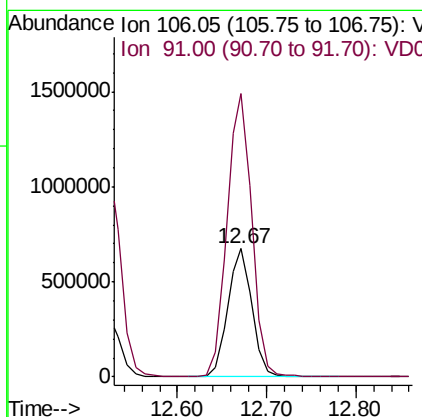
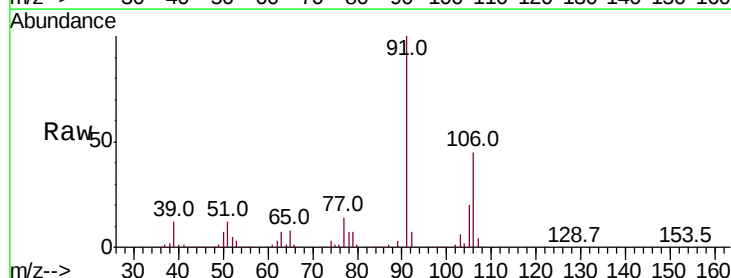
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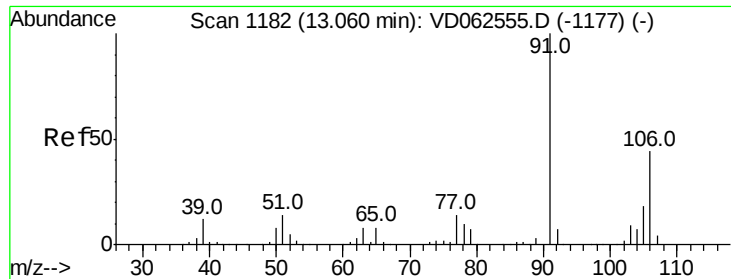
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#68
m/p-Xylenes
Concen: 112.950 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion: 106 Resp: 1282599
Ion Ratio Lower Upper
106 100
91 221.3 178.9 268.3





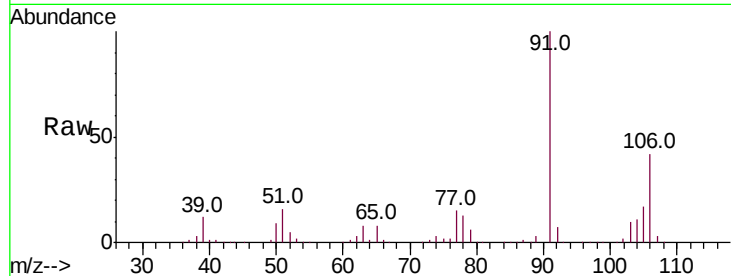
#69
o-Xylene
Concen: 51.671 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

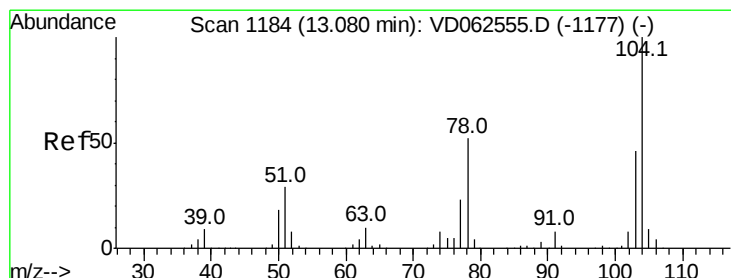
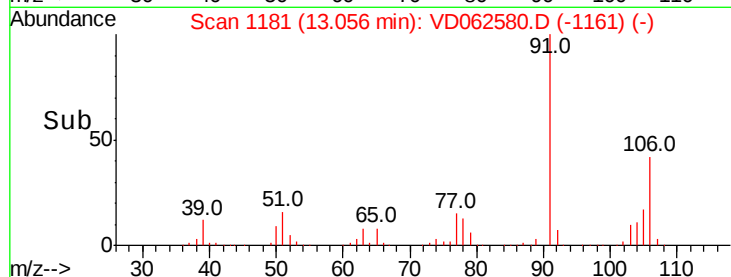
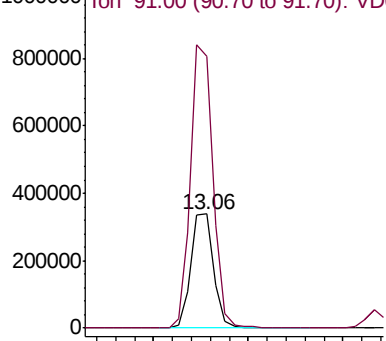
Tot Ion:106 Resp: 559724
Ion Ratio Lower Upper
106 100
91 238.3 113.9 341.8

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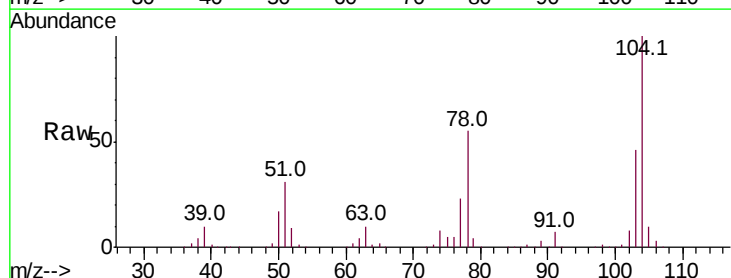


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

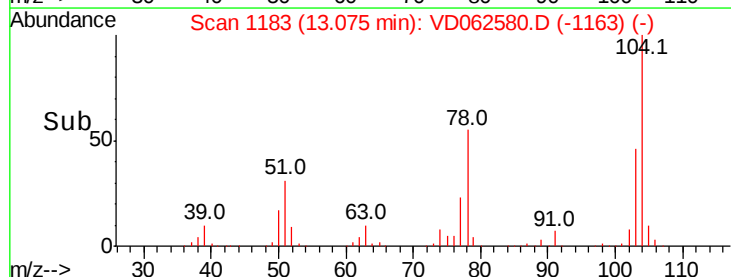
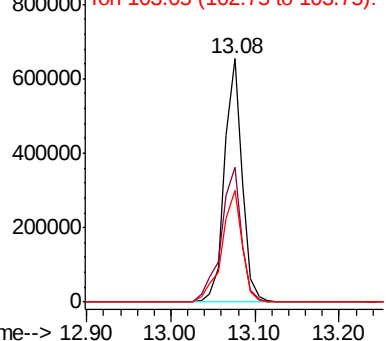


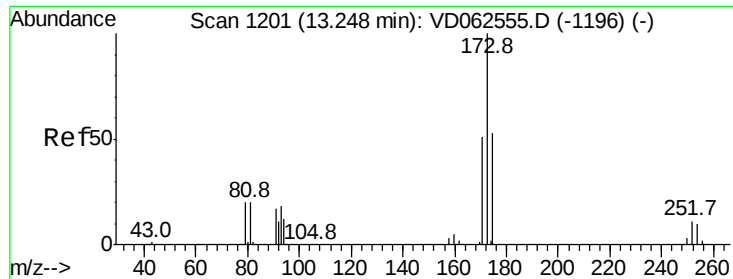
#70
Styrene
Concen: 52.031 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion:104 Resp: 956990
Ion Ratio Lower Upper
104 100
78 55.2 41.5 62.3
103 46.1 36.6 55.0



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 55.000 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

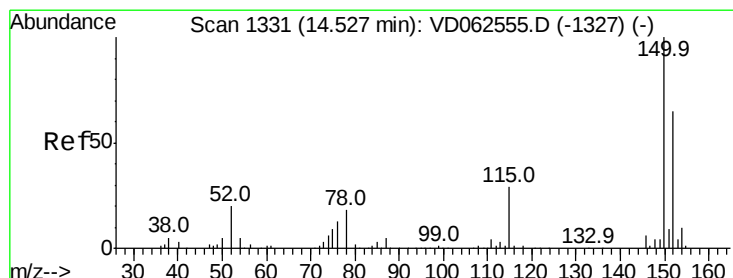
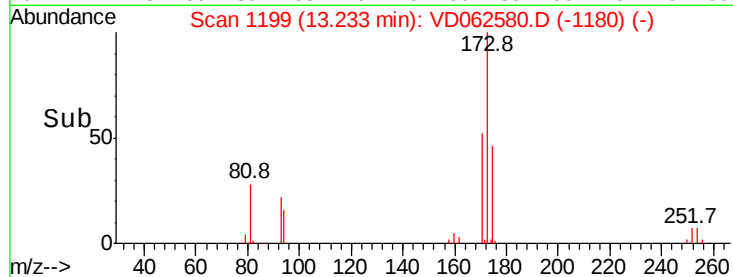
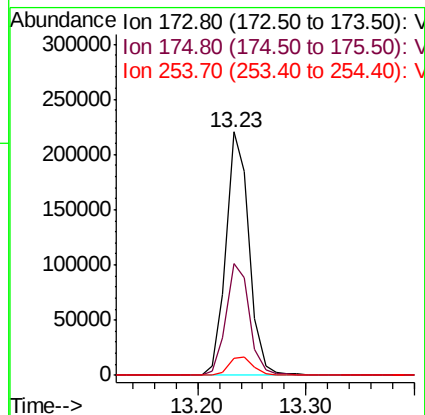
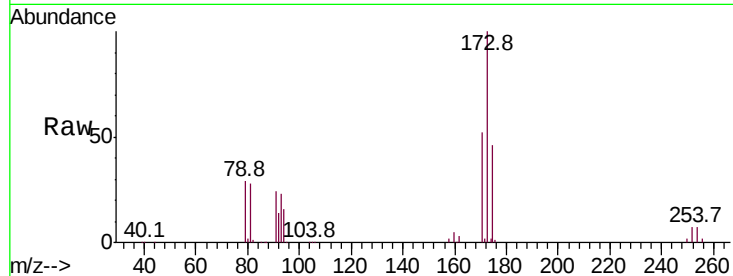
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	327147
Ion Ratio	Lower	Upper	
173	100		
175	45.8	26.6	79.7
254	7.1	8.1	12.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

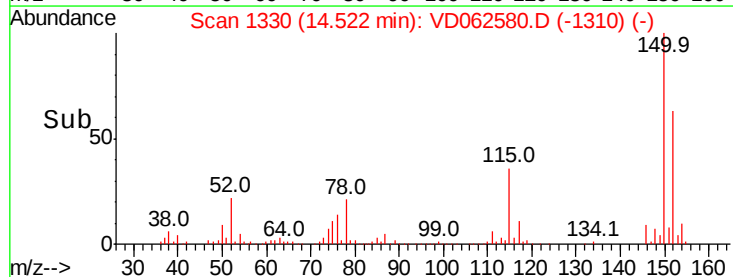
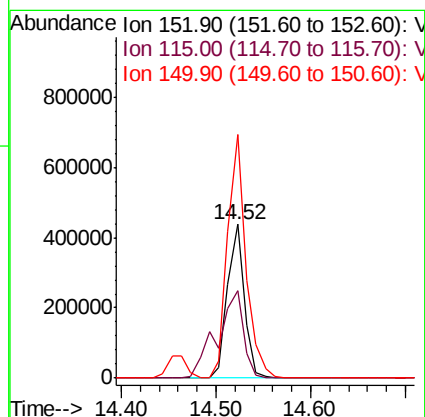
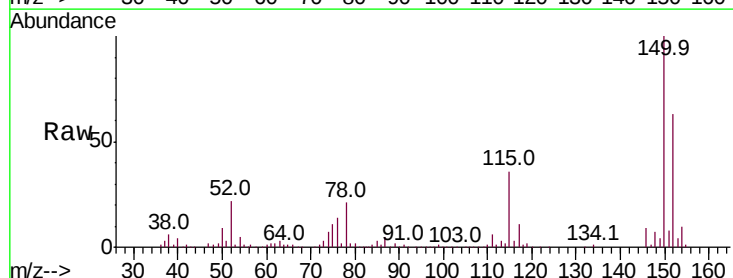
RT: 14.52 min Scan# 1330

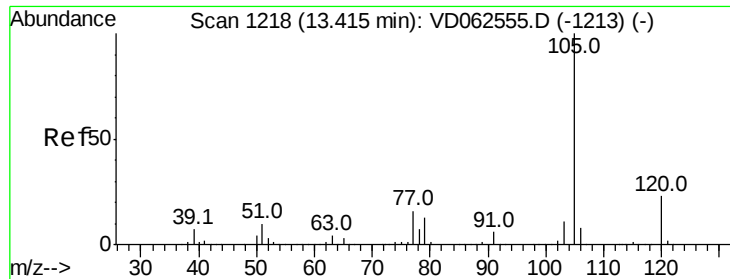
Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Tgt Ion:	152	Resp:	537865
Ion Ratio	Lower	Upper	
152	100		
115	56.6	28.4	85.3
150	158.4	0.0	310.4





#73

Isopropylbenzene

Concen: 49.783 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1765272

Ion Ratio Lower Upper

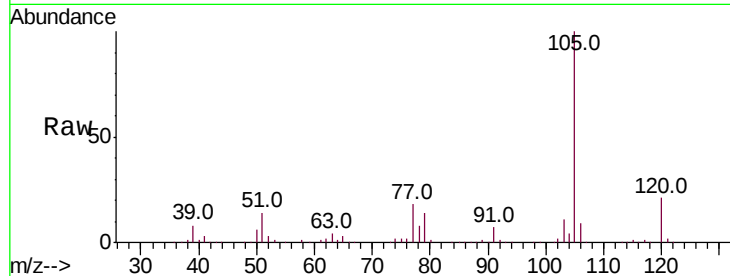
105 100

120 21.5 11.6 34.8

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1200000

1000000

800000

600000

400000

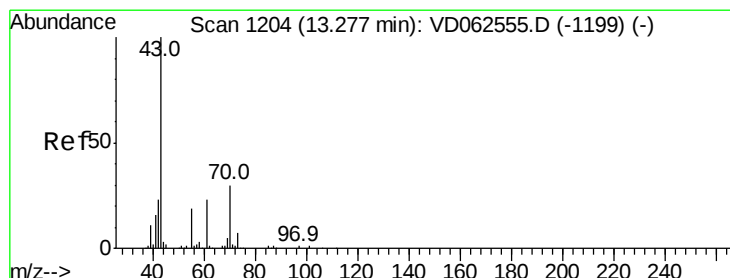
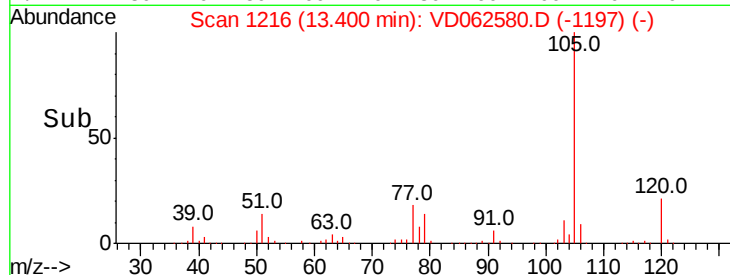
200000

0

13.40

13.30 13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 50.809 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Tgt Ion: 43 Resp: 459377

Ion Ratio Lower Upper

43 100

70 26.3 23.7 35.5

55 16.6 15.0 22.4

61 20.7 18.4 27.6

Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

400000

300000

200000

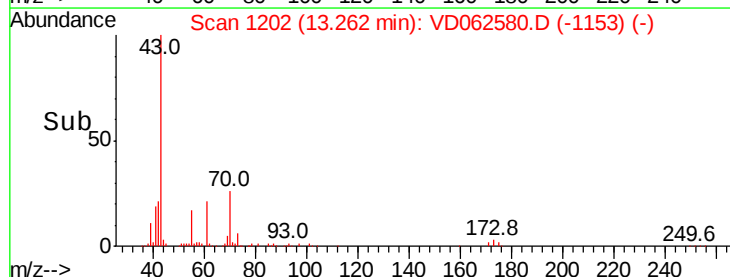
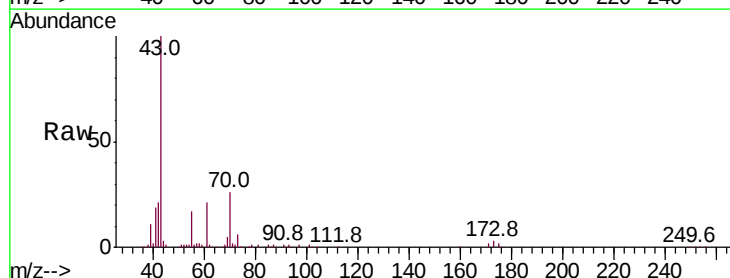
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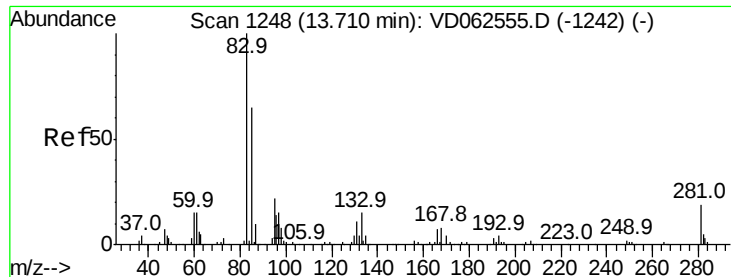
0

13.26

13.20 13.30 13.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.128 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 287528

Ion Ratio Lower Upper

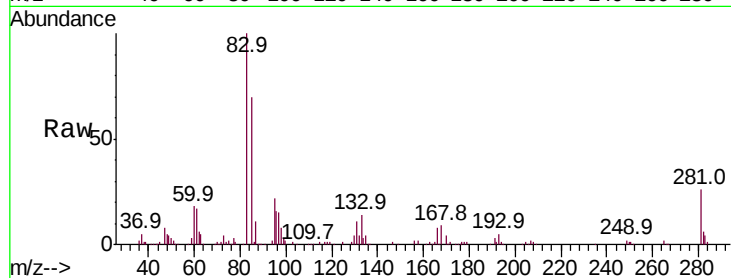
83 100

131 11.4 5.7 17.1

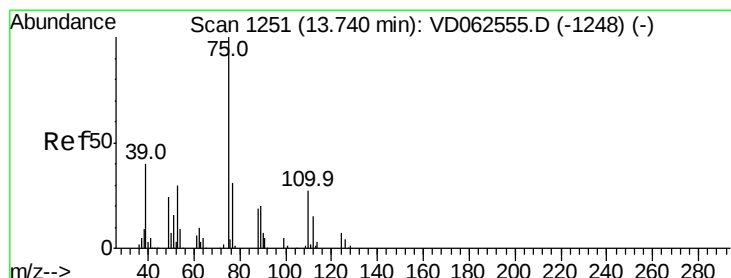
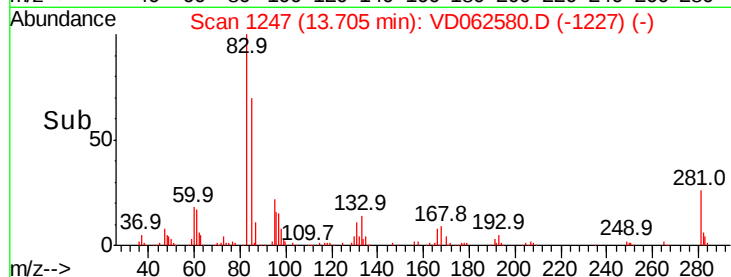
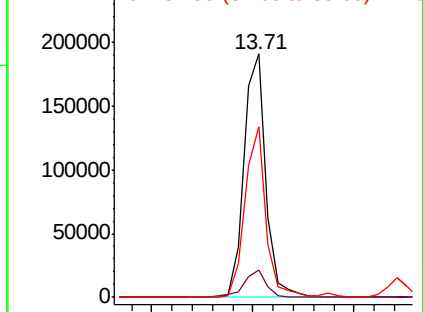
85 70.1 32.6 97.8

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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: 52.557 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD062580.D

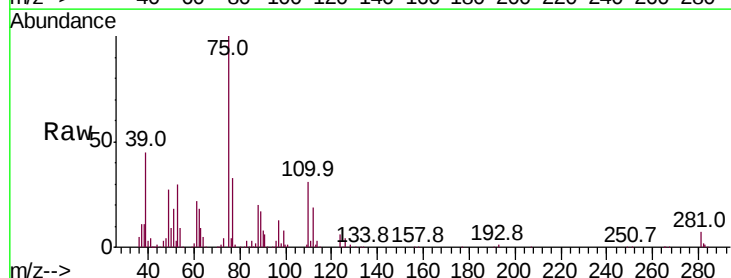
Acq: 3 Jun 2019 12:24

Tgt Ion: 75 Resp: 339145

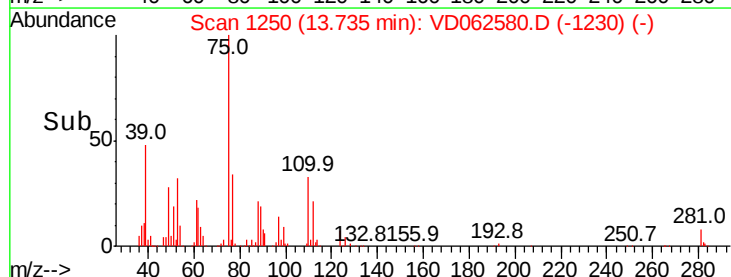
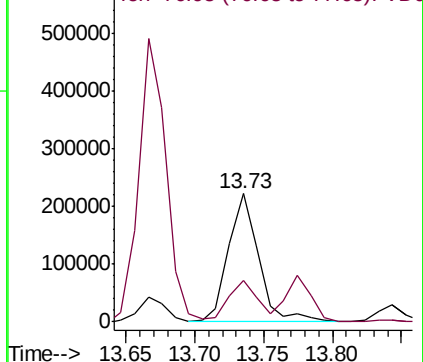
Ion Ratio Lower Upper

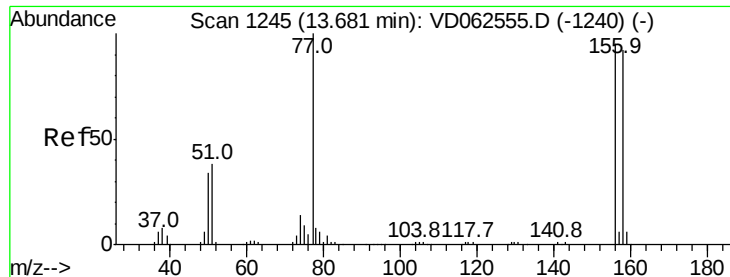
75 100

77 32.6 16.5 49.5



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 52.813 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 513459

Ion Ratio Lower Upper

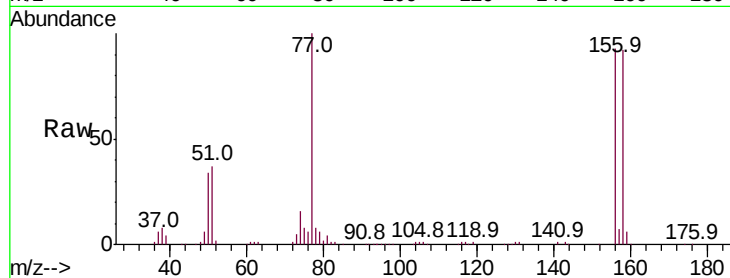
156 100

77 107.7 52.9 158.7

158 99.6 48.5 145.5

Manual Integrations
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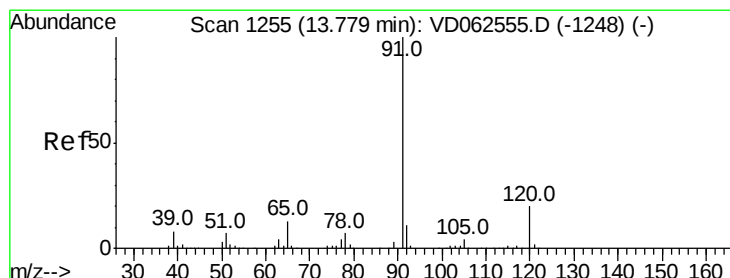
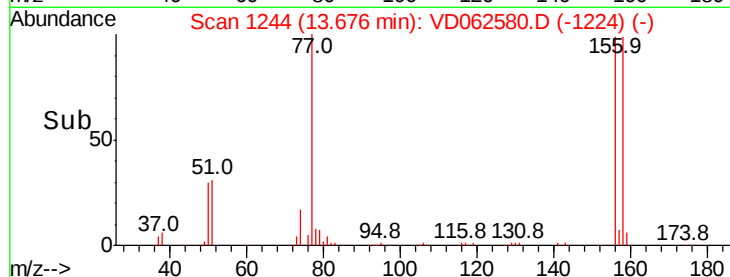
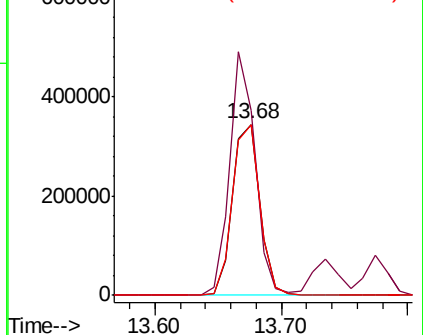
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 55.384 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD062580.D

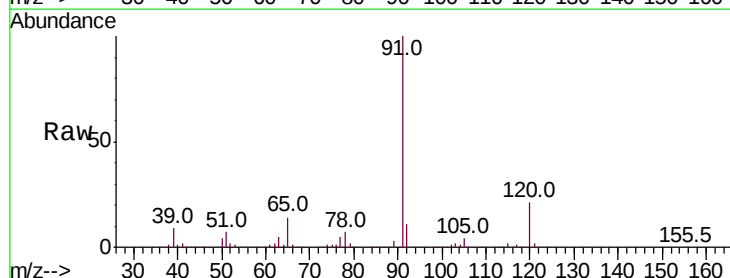
Acq: 3 Jun 2019 12:24

Tgt Ion: 91 Resp: 2263659

Ion Ratio Lower Upper

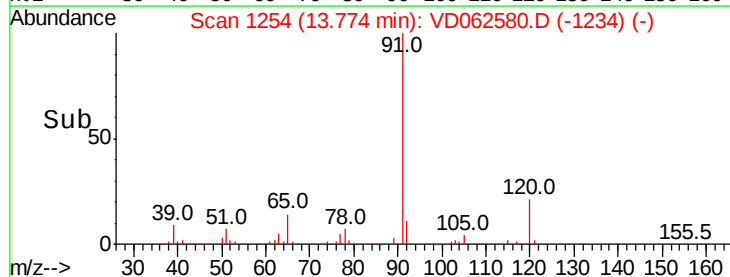
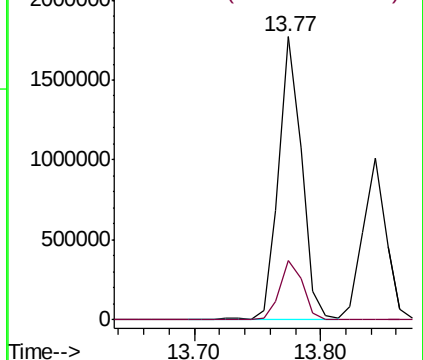
91 100

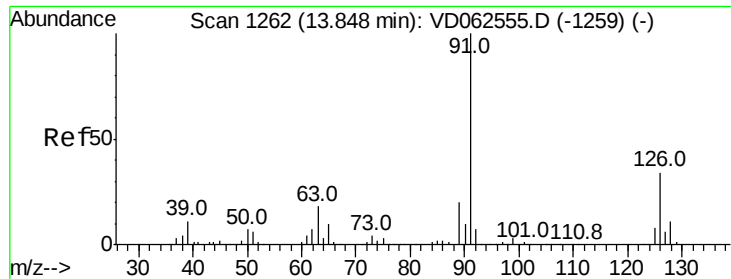
120 21.0 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 54.352 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1288095

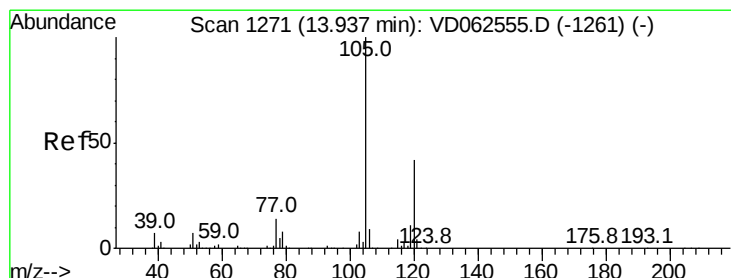
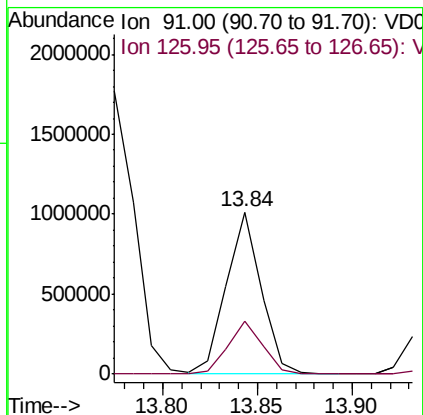
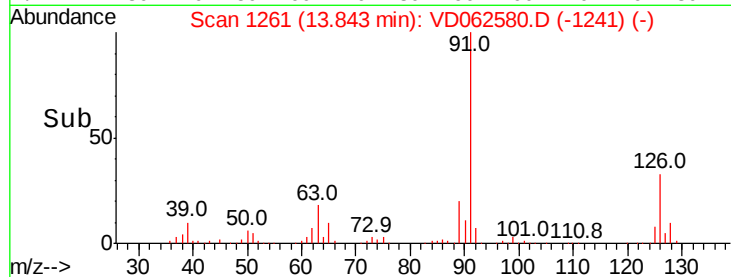
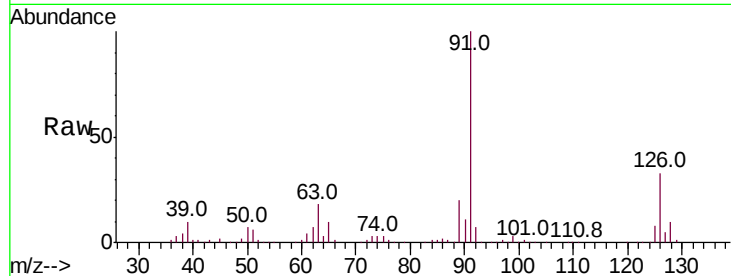
Ion Ratio Lower Upper

91 100

126 32.8 16.7 50.1

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#80

1,3,5-Trimethylbenzene

Concen: 53.560 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD062580.D

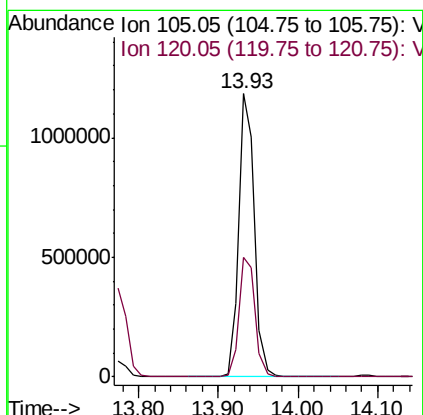
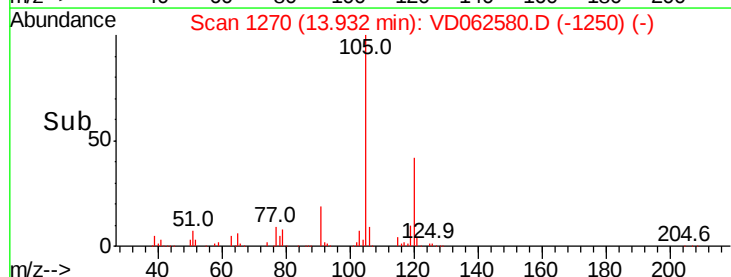
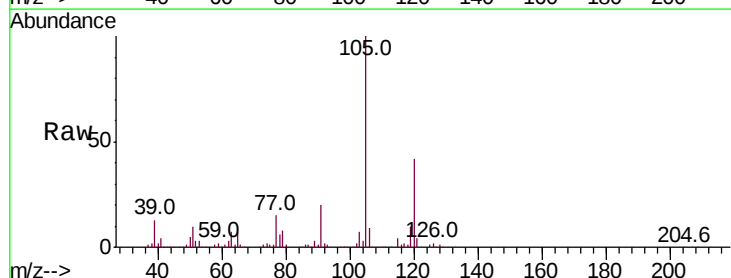
Acq: 3 Jun 2019 12:24

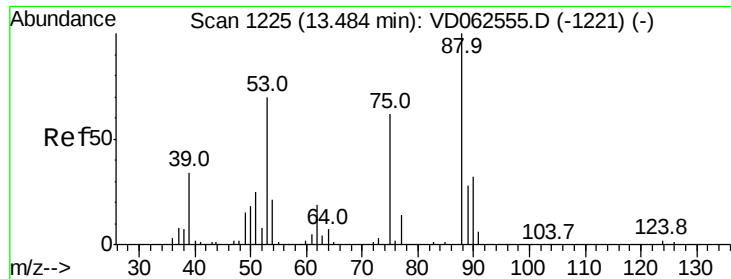
Tgt Ion: 105 Resp: 1622867

Ion Ratio Lower Upper

105 100

120 42.0 20.8 62.5





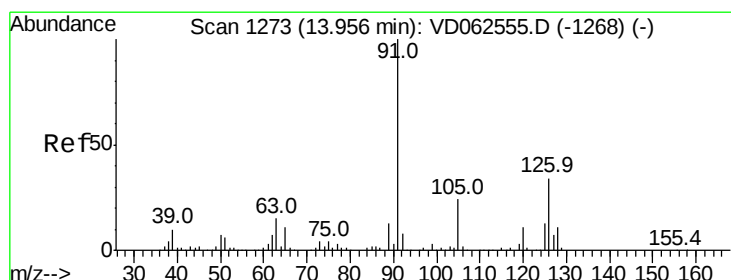
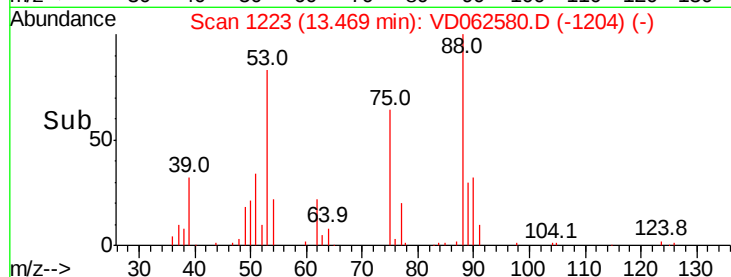
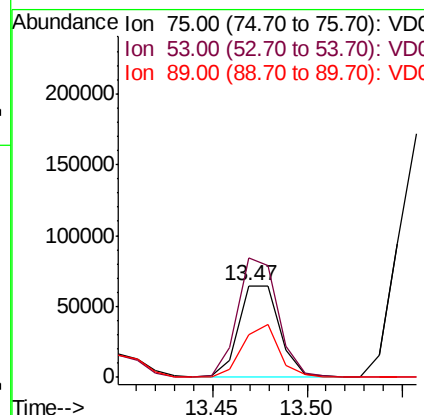
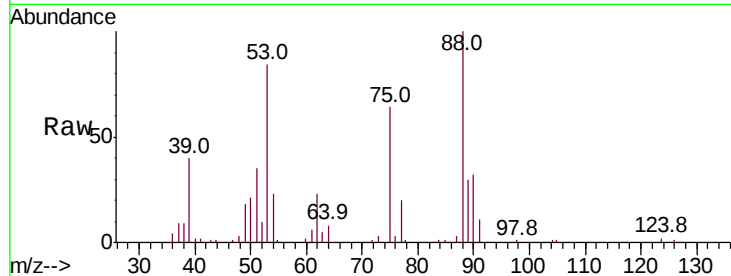
#81
trans-1,4-Dichloro-2-butene
Concen: 52.337 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	131.2	91.0	136.4
89	46.4	36.9	55.3

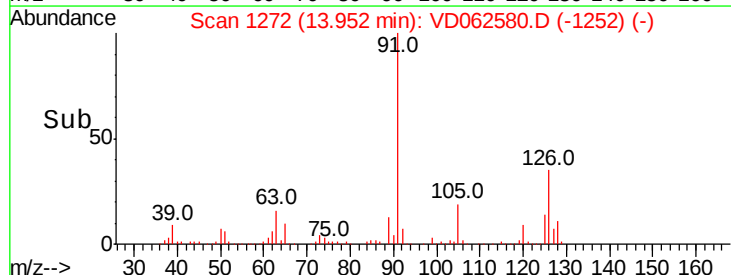
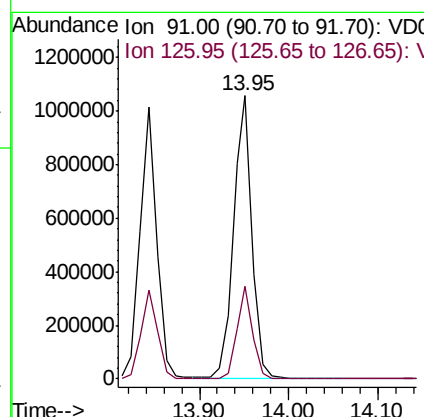
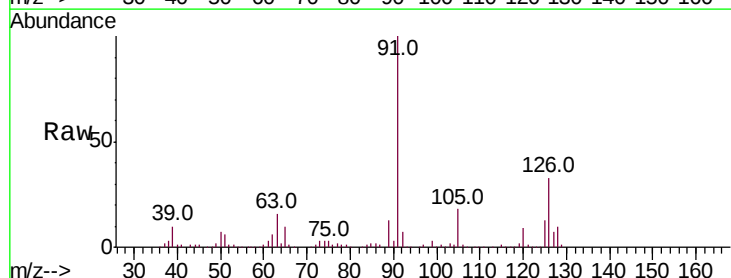
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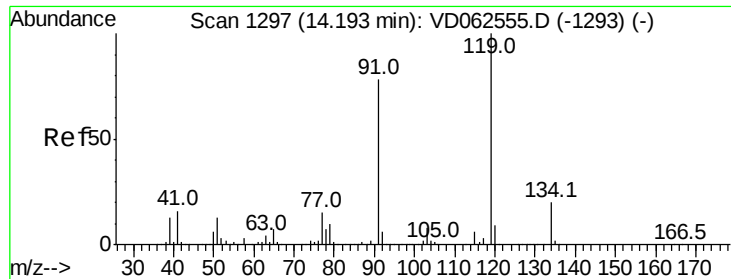
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#82
4-Chlorotoluene
Concen: 54.118 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.9	50.7





#83

tert-Butylbenzene

Concen: 51.502 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 1741255

Ion Ratio Lower Upper

119 100

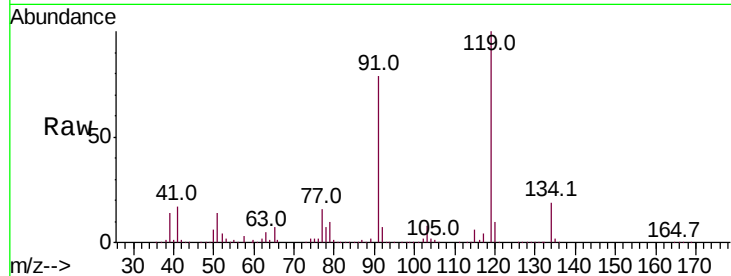
91 79.3 39.1 117.5

134 19.1 10.1 30.3

Manual Integrations
APPROVED

MMDadoda

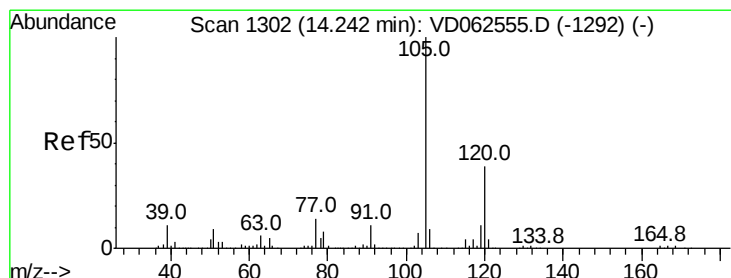
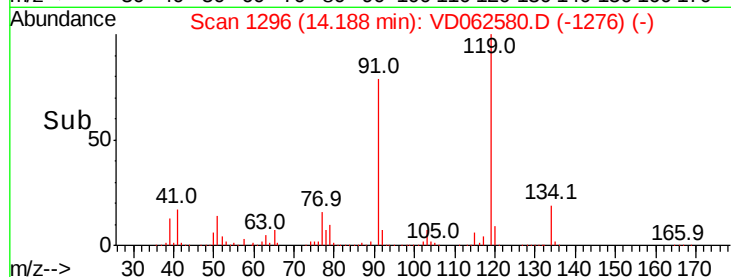
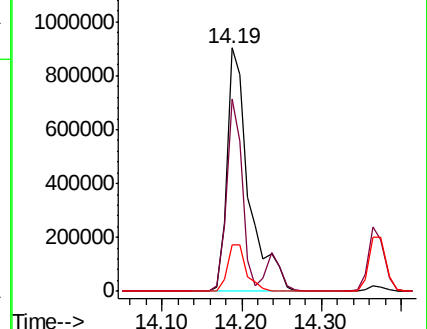
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.050 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD062580.D

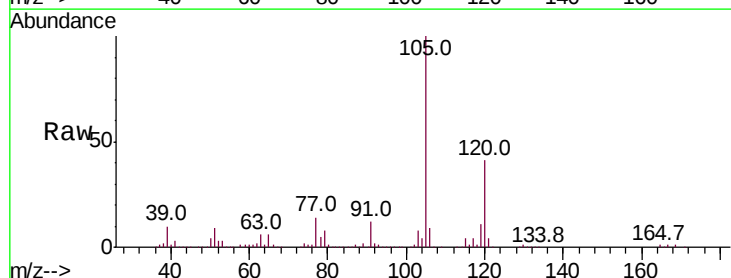
Acq: 3 Jun 2019 12:24

Tgt Ion:105 Resp: 1545294

Ion Ratio Lower Upper

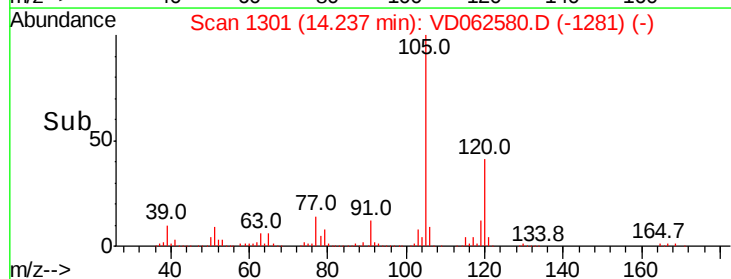
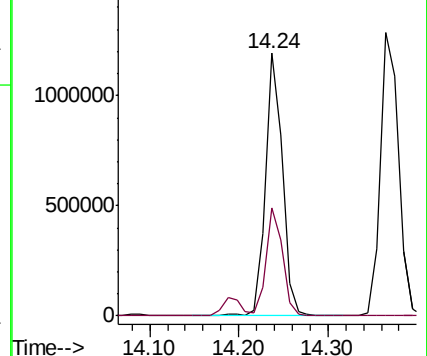
105 100

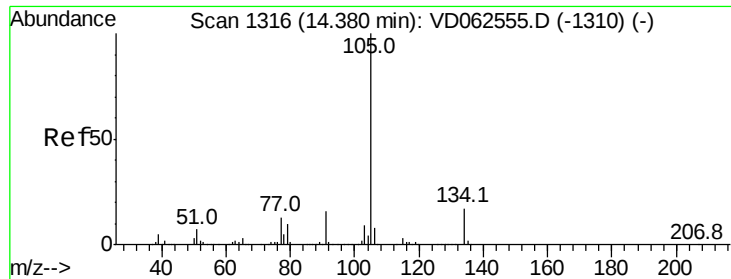
120 41.1 19.6 58.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





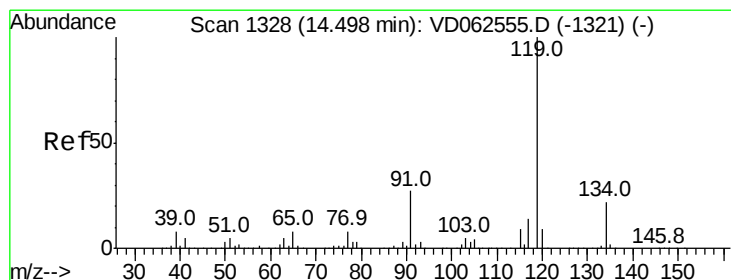
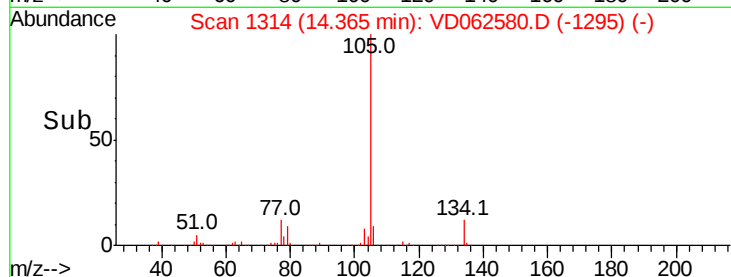
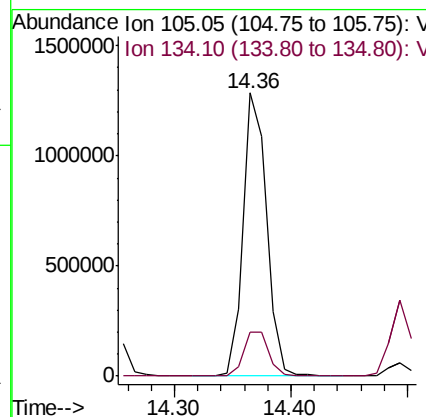
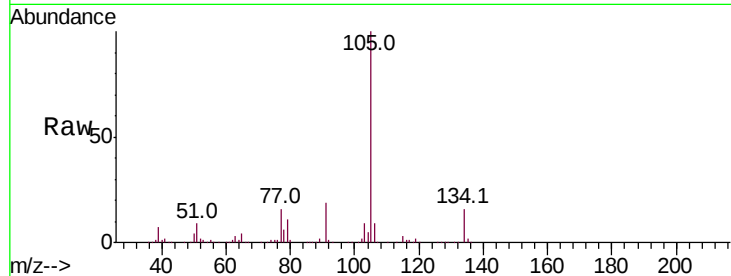
#85
 sec-Butylbenzene
 Concen: 49.850 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1785399
 Ion Ratio Lower Upper
 105 100
 134 15.7 8.7 26.1

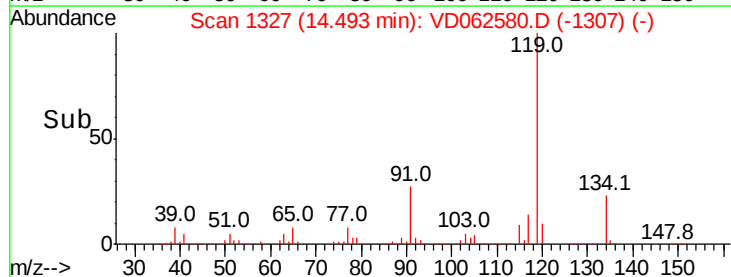
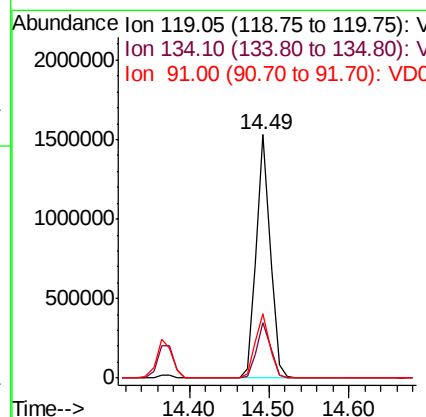
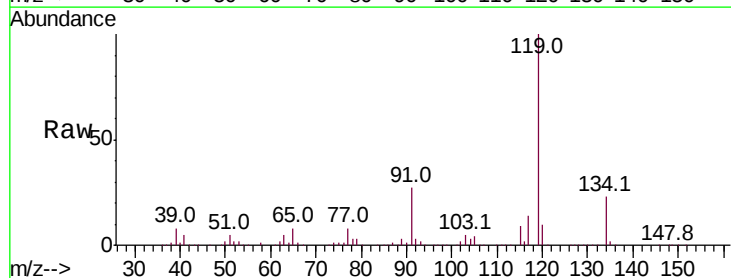
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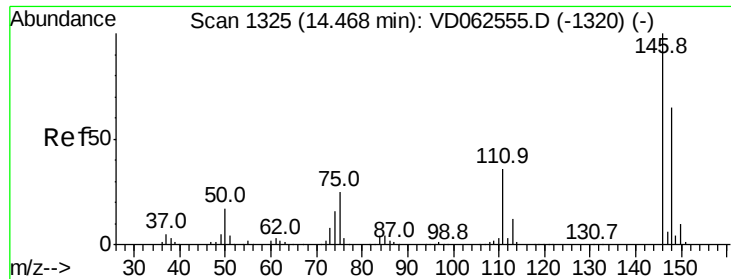
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#86
 p-Isopropyltoluene
 Concen: 54.604 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Tgt Ion:119 Resp: 1827141
 Ion Ratio Lower Upper
 119 100
 134 22.7 11.2 33.6
 91 26.6 13.6 40.7





#87

1,3-Dichlorobenzene

Concen: 54.537 ug/l

RT: 14.45 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

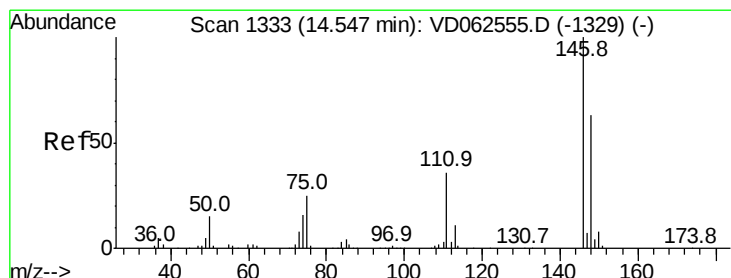
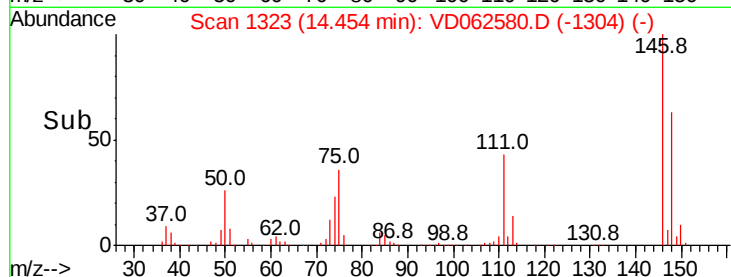
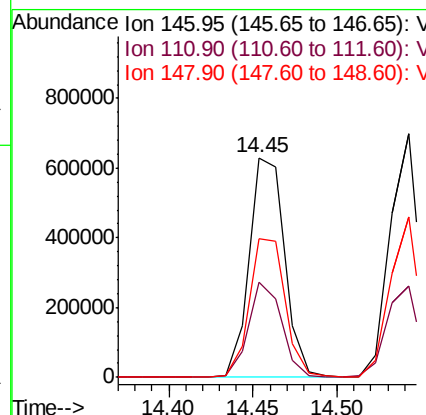
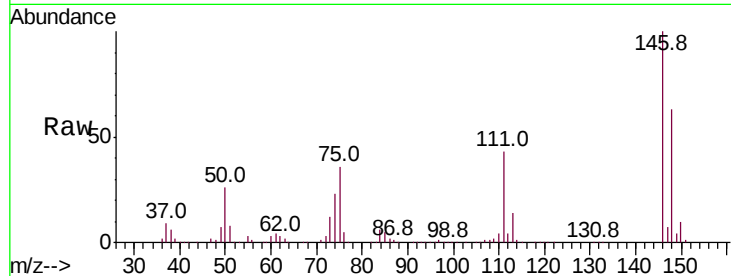
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	919114
Ion Ratio	Lower	Upper	
146	100		
111	43.4	18.1	54.4
148	63.2	32.3	96.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.208 ug/l

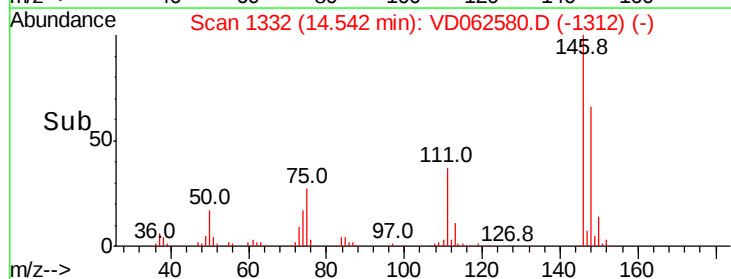
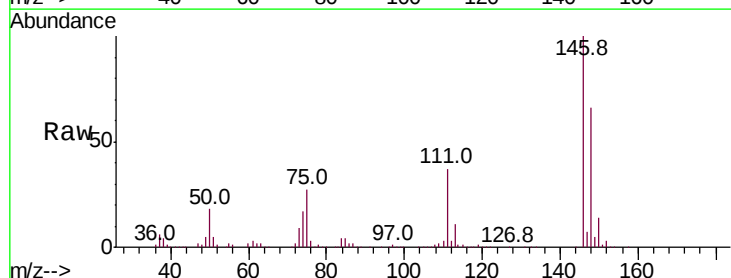
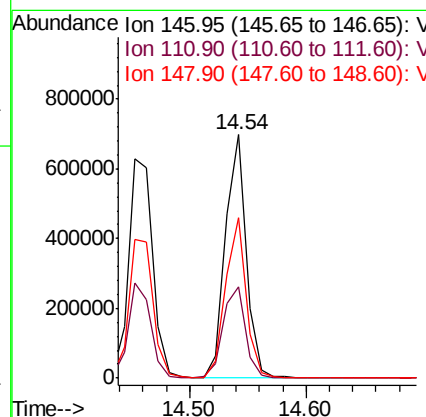
RT: 14.54 min Scan# 1332

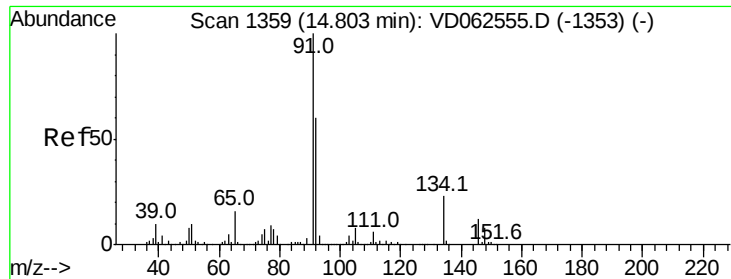
Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Tgt Ion:	146	Resp:	864838
Ion Ratio	Lower	Upper	
146	100		
111	37.5	18.2	54.6
148	65.8	31.6	94.8





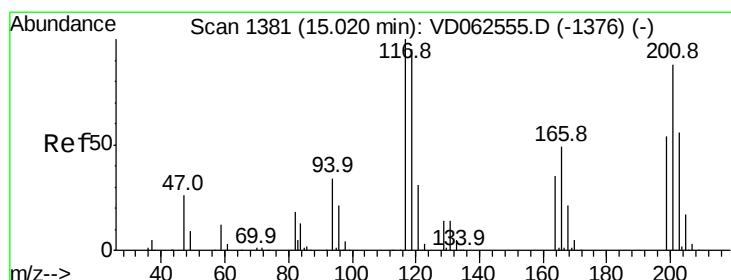
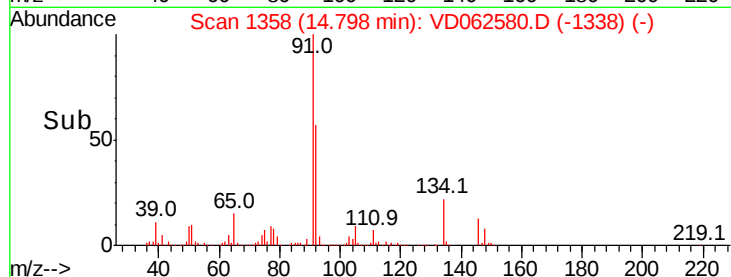
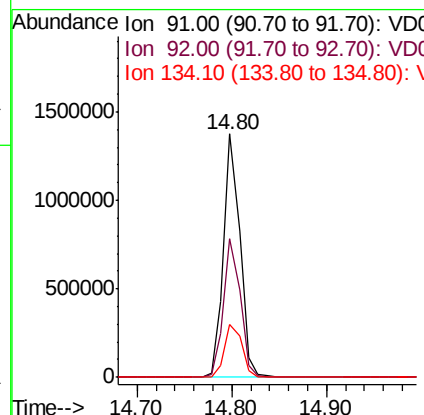
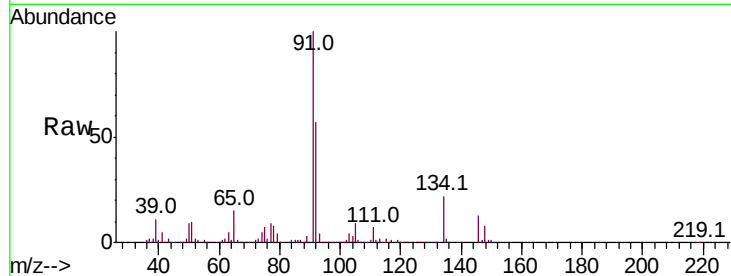
#89
n-Butylbenzene
Concen: 55.290 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1651566
Ion Ratio Lower Upper
91 100
92 57.2 29.8 89.4
134 21.9 11.3 33.8

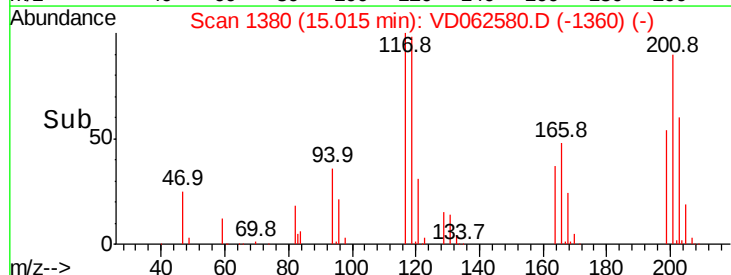
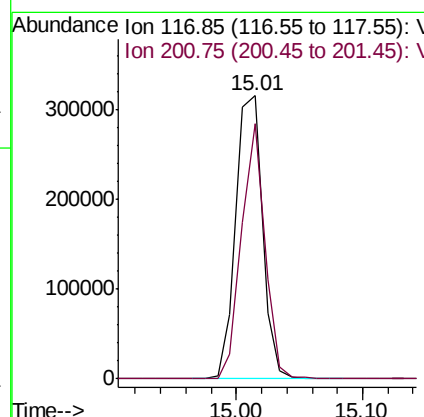
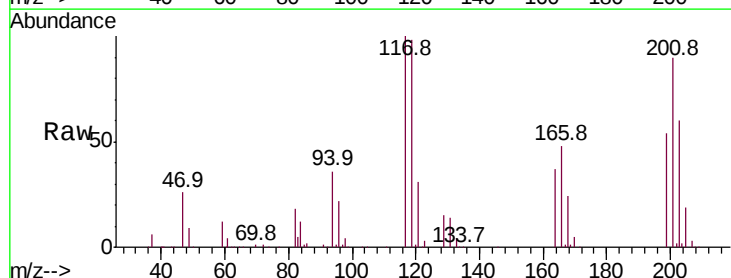
Manual Integrations
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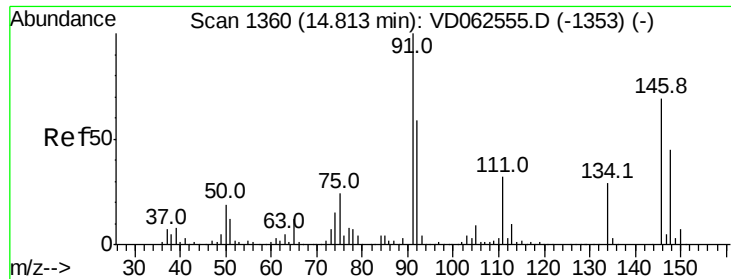
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#90
Hexachloroethane
Concen: 52.094 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion: 117 Resp: 462462
Ion Ratio Lower Upper
117 100
201 90.0 43.8 131.4





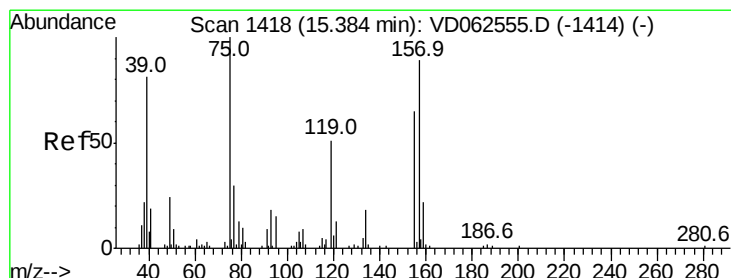
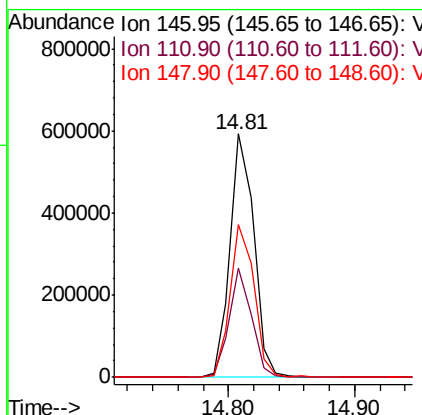
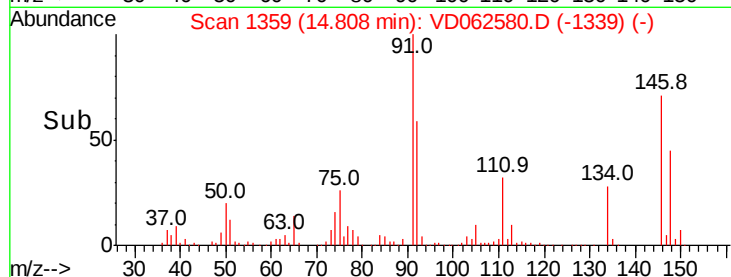
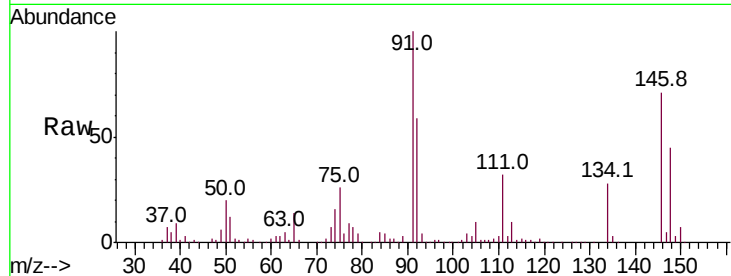
#91
 1,2-Dichlorobenzene
 Concen: 54.531 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.8	68.4
148	63.0	32.3	96.9

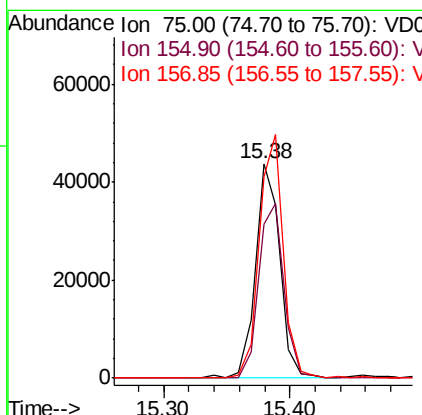
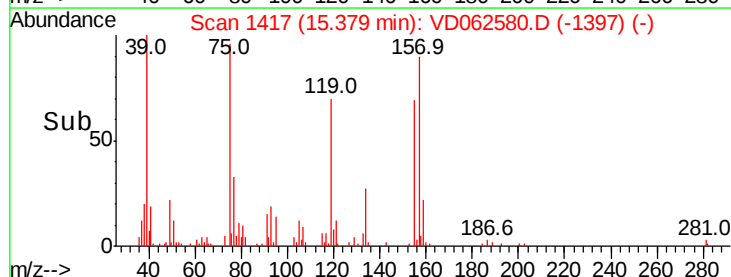
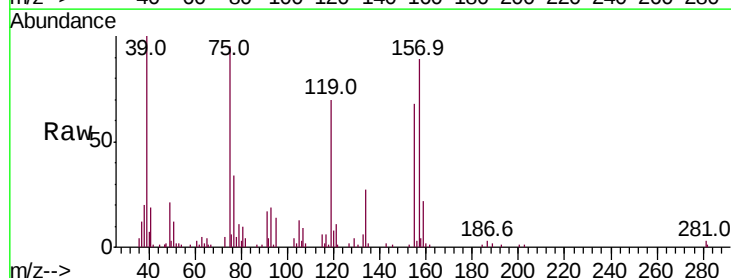
Manual Integrations
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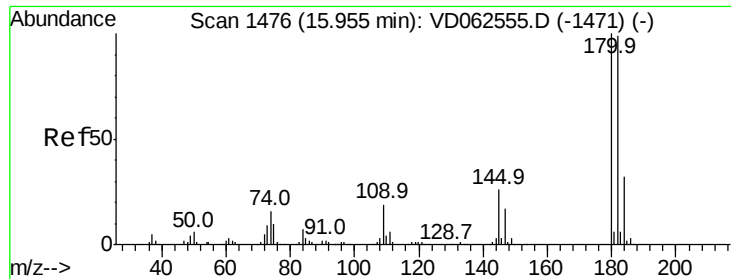
MMDadoda
 6/6/2019 8:48:13 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.586 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.0	32.6	97.8
157	93.6	44.5	133.7





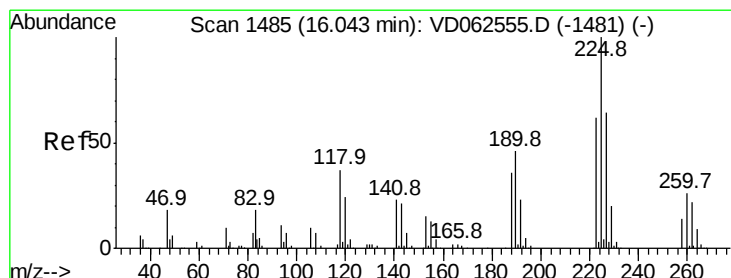
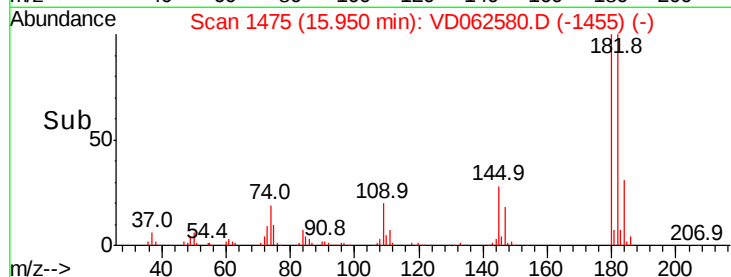
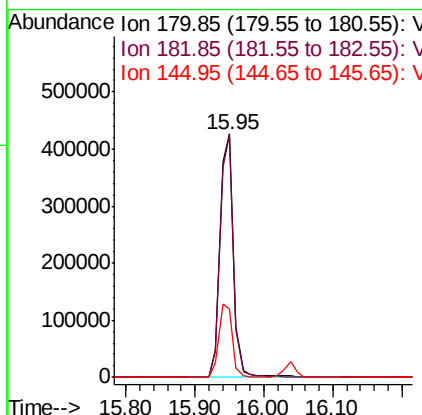
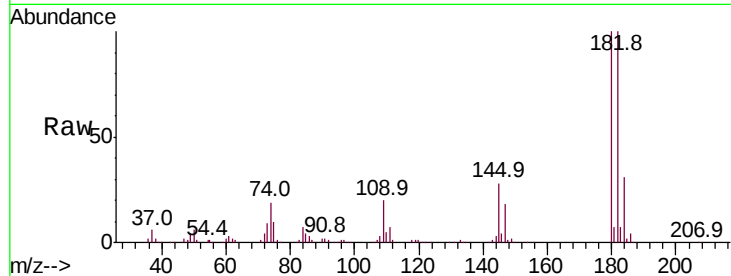
#93
 1,2,4-Trichlorobenzene
 Concen: 51.004 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	99.7	49.5	148.3	
145	28.1	13.1	39.3	

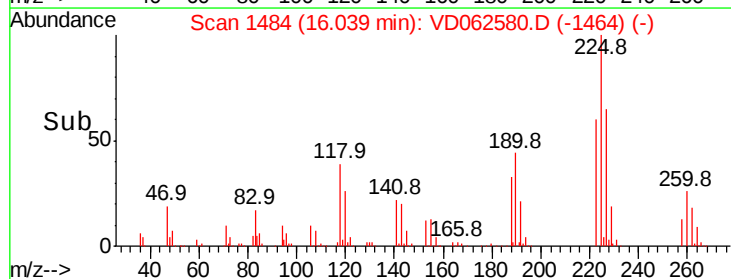
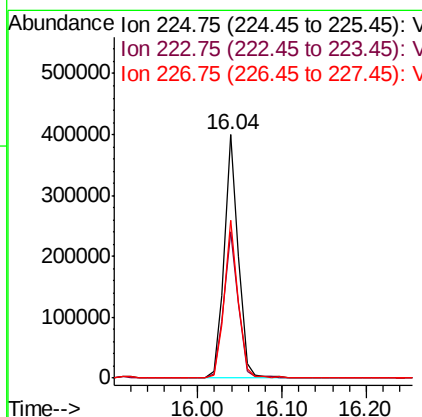
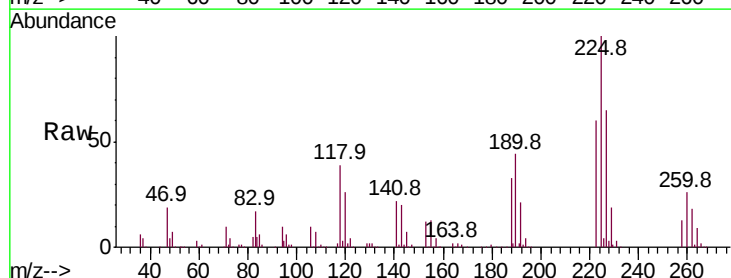
Manual Integrations
 APPROVED

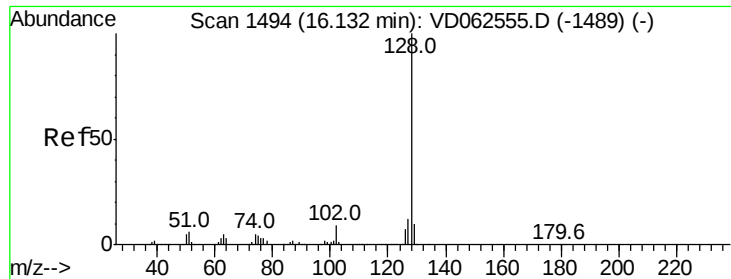
MMDadoda
 6/6/2019 8:48:13 AM



#94
 Hexachlorobutadiene
 Concen: 55.565 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.1	31.1	93.5	
227	65.0	32.1	96.5	





#95

Naphthalene

Concen: 51.581 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

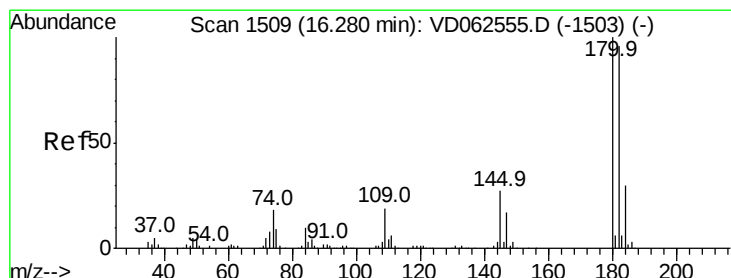
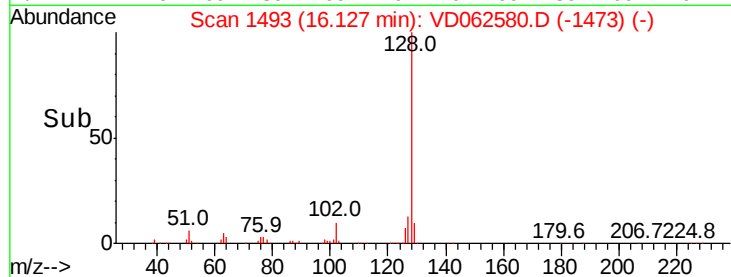
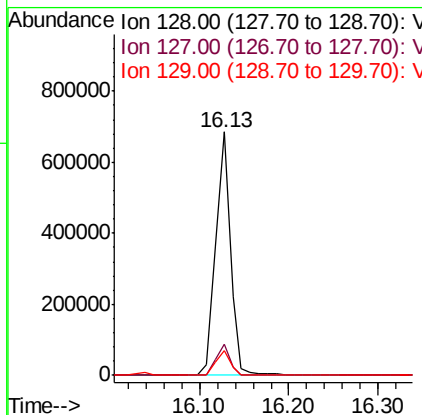
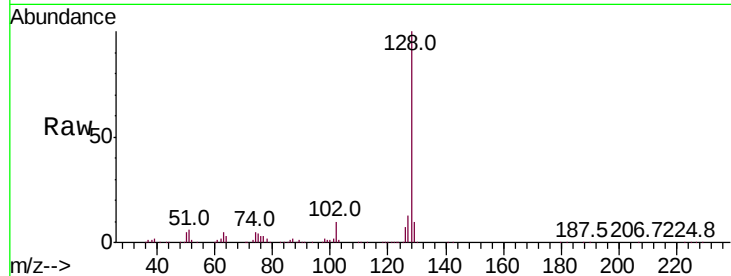
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	796318
Ion Ratio	Lower	Upper	
128	100		
127	12.9	9.7	14.5
129	10.3	8.2	12.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 51.971 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Tgt Ion:	180	Resp:	440087
Ion Ratio	Lower	Upper	
180	100		
182	99.9	48.1	144.3
145	28.6	13.3	39.9

