

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060319\
 Data File : VD062595.D
 Acq On : 3 Jun 2019 19:34
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 8:48:16 AM

Quant Time: Jun 04 07:17:14 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	7.04	168	773719	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	1038478	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	934519	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	503976	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	490351	54.05	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.10%	
35) Dibromofluoromethane	6.92	113	507643	53.64	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	107.28%	
50) Toluene-d8	10.41	98	1078270	52.00	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.00%	
62) 4-Bromofluorobenzene	13.56	95	487925	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	424785	47.336	ug/l	97
3) Chloromethane	1.74	50	360710	41.313	ug/l	97
4) Vinyl Chloride	1.85	62	354820	51.762	ug/l	99
5) Bromomethane	2.15	94	181653	81.604	ug/l	99
6) Chloroethane	2.27	64	183002	56.931	ug/l	98
7) Trichlorofluoromethane	2.53	101	762984	52.670	ug/l	98
8) Diethyl Ether	2.88	74	118531	63.785	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.14	101	467488	54.649	ug/l	94
10) Methyl Iodide	3.30	142	523713	53.955	ug/l	96
11) Tert butyl alcohol	4.09	59	124083	320.672	ug/l	98
12) 1,1-Dichloroethene	3.12	96	339367	56.079	ug/l	96
13) Acrolein	3.03	56	50979	302.366	ug/l	91
14) Allyl chloride	3.62	41	533651	56.453	ug/l	98
15) Acrylonitrile	4.20	53	270196	292.100	ug/l	93
16) Acetone	3.22	43	426907	239.501	ug/l	98
17) Carbon Disulfide	3.37	76	967314	49.174	ug/l	100
18) Methyl Acetate	3.64	43	159433	54.801	ug/l #	92
19) Methyl tert-butyl Ether	4.25	73	845006	57.642	ug/l	100
20) Methylene Chloride	3.81	84	358077	54.268	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	371253	54.060	ug/l	89
22) Diisopropyl ether	5.12	45	1102553	57.093	ug/l	95
23) Vinyl Acetate	5.06	43	3578161	305.532	ug/l	97
24) 1,1-Dichloroethane	4.98	63	692925	55.602	ug/l	98
25) 2-Butanone	6.07	43	480697	286.345	ug/l	97
26) 2,2-Dichloropropane	6.02	77	771563	55.808	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	417383	59.126	ug/l	90
28) Bromochloromethane	6.44	49	245984	57.122	ug/l	99
29) Tetrahydrofuran	6.46	42	234974	312.471	ug/l	97
30) Chloroform	6.67	83	852448	56.765	ug/l	98
31) Cyclohexane	6.95	56	452210	53.670	ug/l	90
32) 1,1,1-Trichloroethane	6.86	97	844357	54.027	ug/l	94
36) 1,1-Dichloropropene	7.15	75	593658	57.427	ug/l	93
37) Ethyl Acetate	6.18	43	236691	54.308	ug/l #	96
38) Carbon Tetrachloride	7.11	117	907670m	58.974	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	491894	56.202	ug/l	97
40) Benzene	7.45	78	1122348	55.316	ug/l	100
41) Methacrylonitrile	6.44	41	317450	61.897	ug/l #	91
42) 1,2-Dichloroethane	7.57	62	670470	59.324	ug/l	99
43) Isopropyl Acetate	9.24	43	331440	61.102	ug/l #	98
44) Trichloroethene	8.54	130	453131	55.903	ug/l	95
45) 1,2-Dichloropropane	8.93	63	292851	58.872	ug/l	100
46) Dibromomethane	9.06	93	246307	58.950	ug/l	98
47) Bromodichloromethane	9.37	83	666350	57.881	ug/l	98
48) Methyl methacrylate	9.12	41	235123	65.080	ug/l	98
49) 1,4-Dioxane	9.09	88	40831	1391.414	ug/l #	89
51) 4-Methyl-2-Pentanone	10.30	43	1144065	302.311	ug/l	96
52) Toluene	10.51	92	787007	56.872	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	565543	58.144	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	601210	59.453	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	282703	62.219	ug/l	93
56) Ethyl methacrylate	11.04	69	299406	61.824	ug/l	95
57) 1,3-Dichloropropane	11.40	76	432602	61.761	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	752739	303.063	ug/l	98
59) 2-Hexanone	11.53	43	836613	315.172	ug/l	100
60) Dibromochloromethane	11.69	129	520099	58.902	ug/l	100
61) 1,2-Dibromoethane	11.81	107	314275	57.497	ug/l	99
64) Tetrachloroethene	11.25	164	405737	49.114	ug/l	99
65) Chlorobenzene	12.40	112	990526	54.408	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	460670	53.505	ug/l	94
67) Ethyl Benzene	12.52	91	1633335	48.968	ug/l	98
68) m/p-Xylenes	12.66	106	1226286	106.277	ug/l	98
69) o-Xylene	13.05	106	535317	48.634	ug/l	87
70) Styrene	13.08	104	959188	51.322	ug/l	98
71) Bromoform	13.23	173	332355	54.989	ug/l #	99
73) Isopropylbenzene	13.40	105	1774252	53.401	ug/l	99
74) N-amyl acetate	13.26	43	488883	57.708	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	318618	60.466	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	352126	58.238	ug/l	98
77) Bromobenzene	13.67	156	487577	53.523	ug/l	88
78) n-propylbenzene	13.77	91	2054063	53.636	ug/l	96
79) 2-Chlorotoluene	13.83	91	1260273	56.754	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	1585976	55.862	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	88484	51.073	ug/l	85
82) 4-Chlorotoluene	13.94	91	1470251	55.305	ug/l	90
83) tert-Butylbenzene	14.19	119	1720105	54.297	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	1574040	54.409	ug/l	95
85) sec-Butylbenzene	14.37	105	1745786	52.021	ug/l	100
86) p-Isopropyltoluene	14.49	119	1619941	51.667	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	846659	53.616	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	835716	52.811	ug/l	97
89) n-Butylbenzene	14.80	91	1526252	54.531	ug/l	96
90) Hexachloroethane	15.00	117	460301	55.337	ug/l	82
91) 1,2-Dichlorobenzene	14.81	146	726991	54.727	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	65250	59.719	ug/l	75

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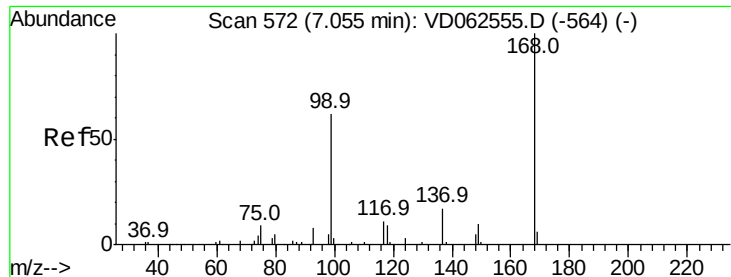
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QLast Update : Fri May 31 02:08:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	556546	52.396	ug/l	96
94) Hexachlorobutadiene	16.04	225	439059	55.993	ug/l	99
95) Naphthalene	16.12	128	805112	55.657	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	425959	53.685	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 773719

Ion Ratio Lower Upper

168 100

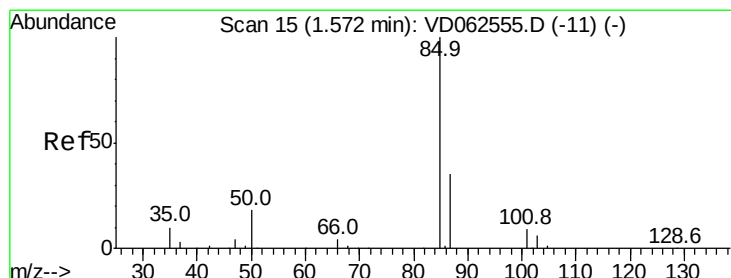
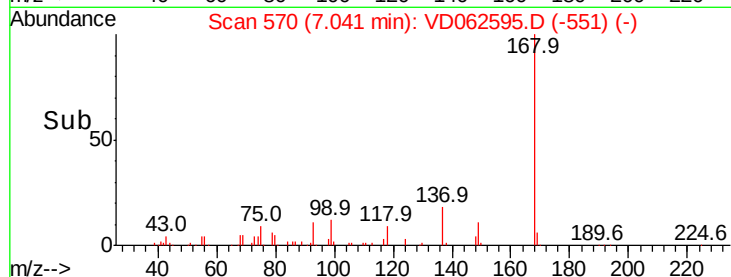
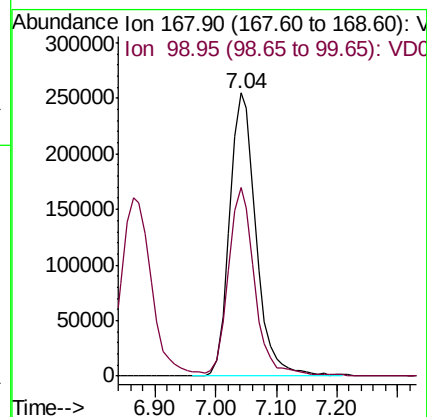
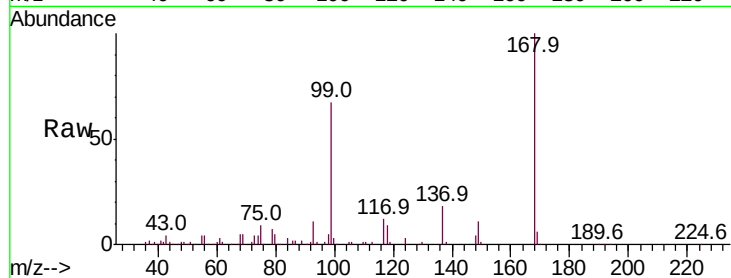
99 66.7 50.8 76.2

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#2

Dichlorodifluoromethane

Concen: 47.336 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD062595.D

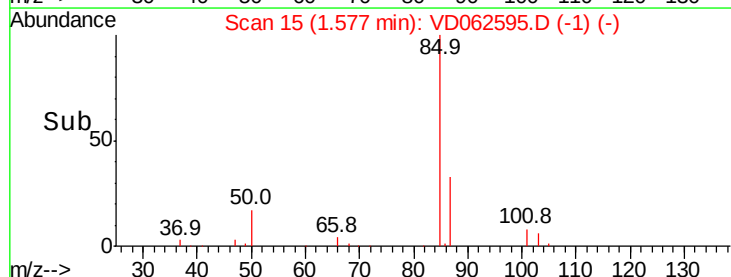
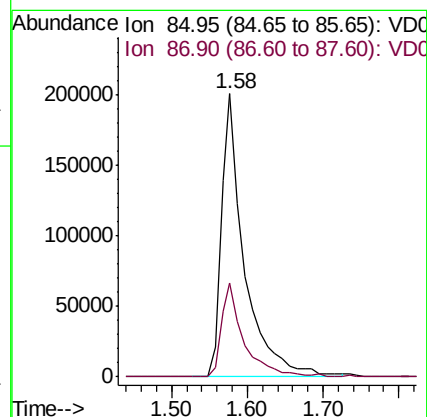
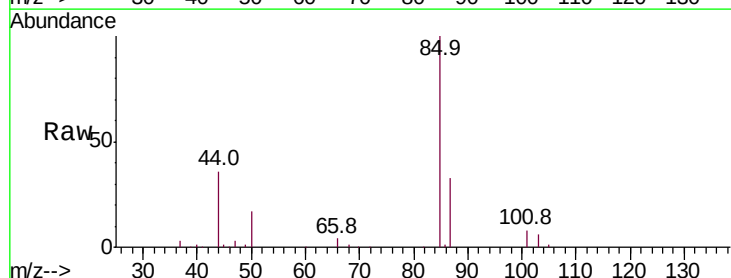
Acq: 3 Jun 2019 19:34

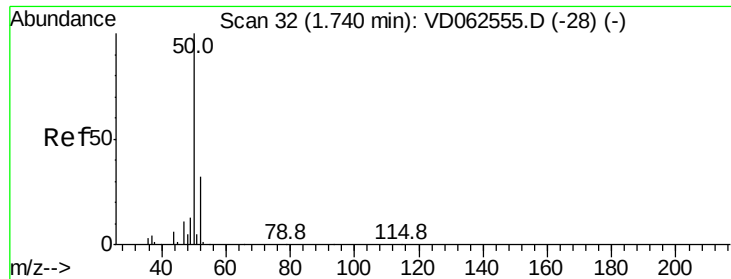
Tgt Ion: 85 Resp: 424785

Ion Ratio Lower Upper

85 100

87 33.1 17.5 52.6





#3

Chloromethane

Concen: 41.313 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 360710

Ion Ratio Lower Upper

50 100

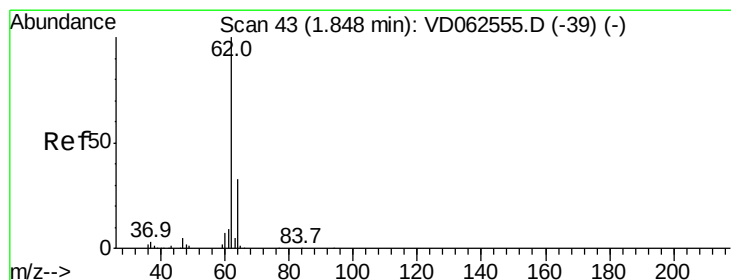
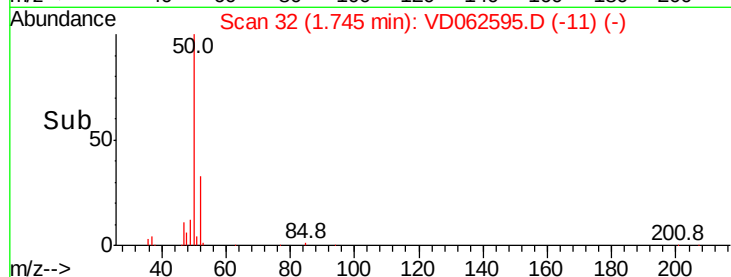
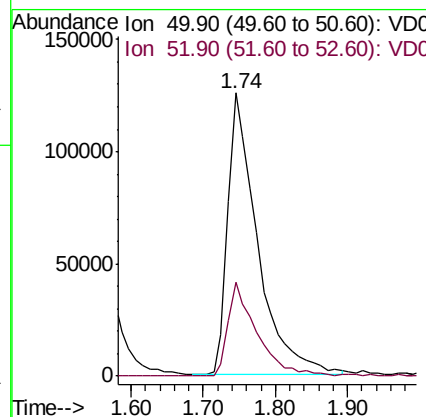
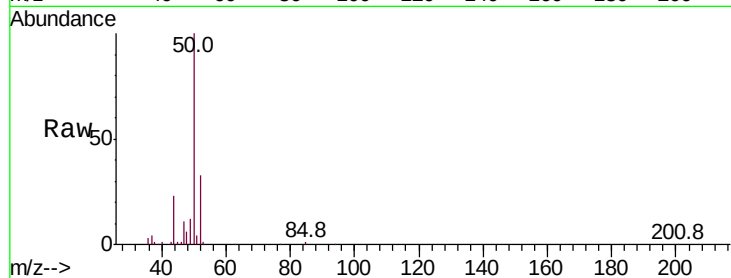
52 33.3 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.762 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062595.D

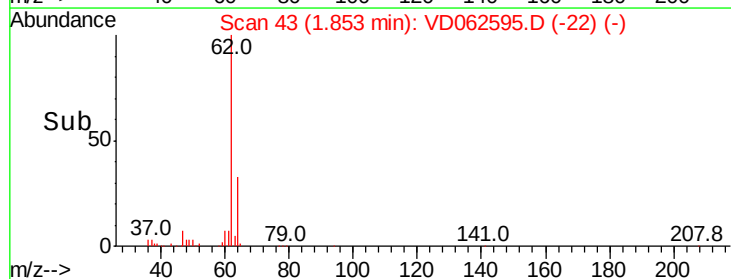
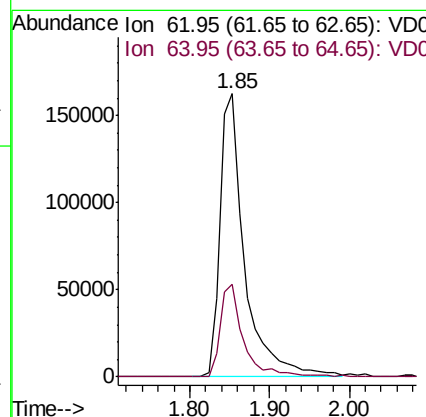
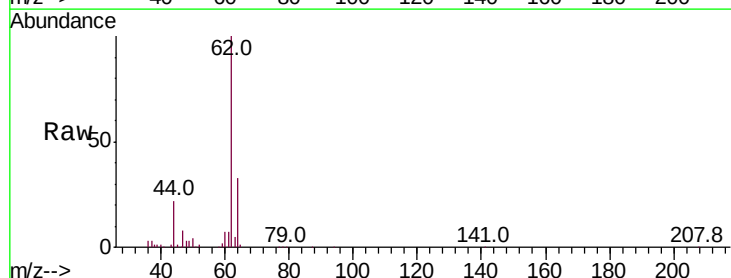
Acq: 3 Jun 2019 19:34

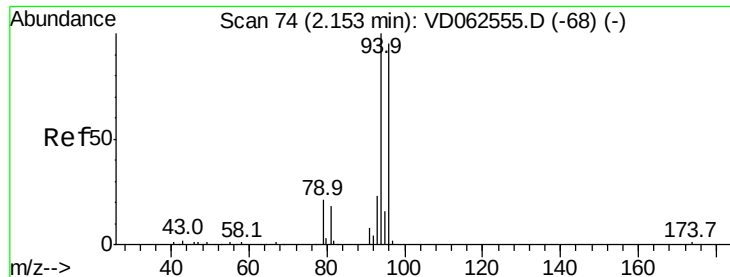
Tgt Ion: 62 Resp: 354820

Ion Ratio Lower Upper

62 100

64 32.6 26.5 39.7





#5

Bromomethane

Concen: 81.604 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

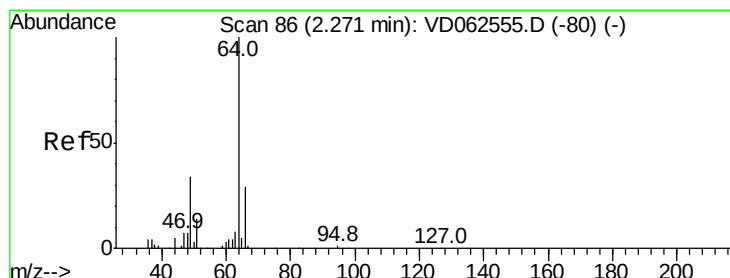
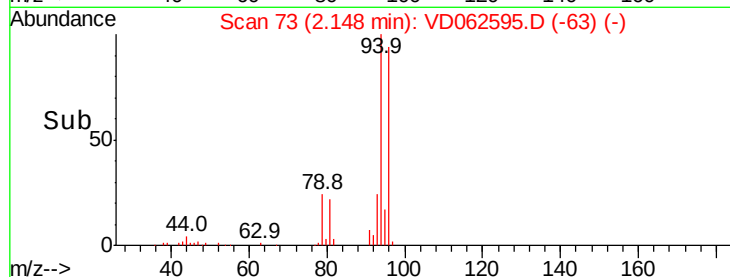
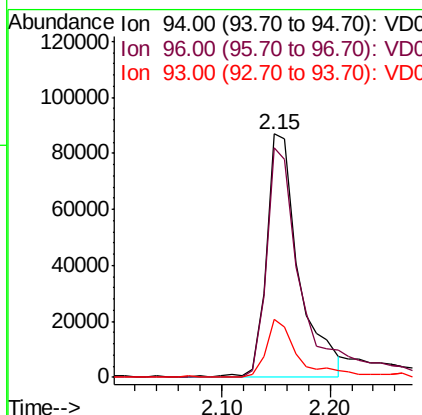
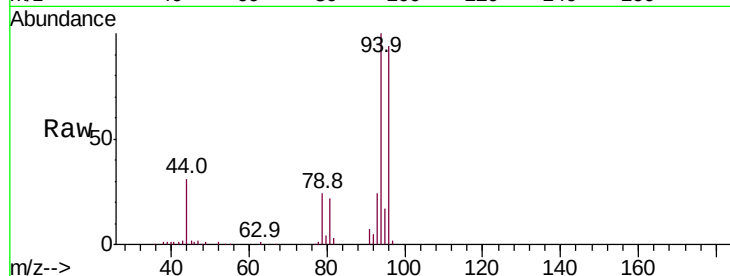
ClientSampleId :

VSTDCCC050EC

Tot Ion:	94	Resp:	181653
Ion	Ratio	Lower	Upper
94	100		
96	94.2	76.2	114.4
93	23.8	18.4	27.6

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#6

Chloroethane

Concen: 56.931 ug/l

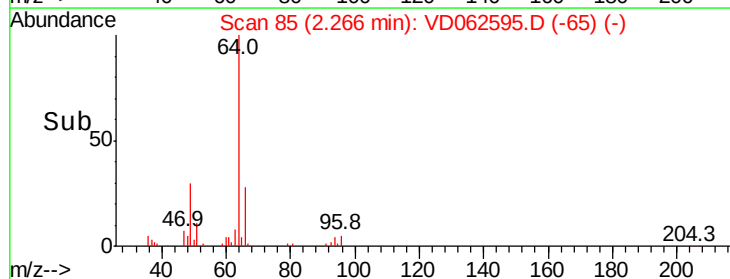
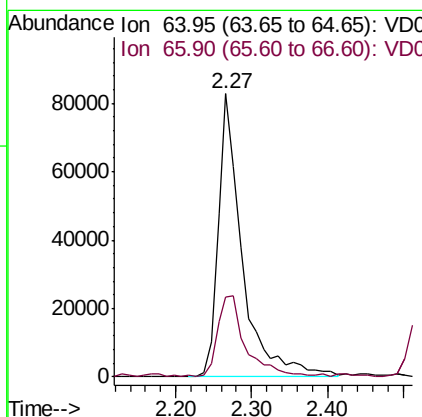
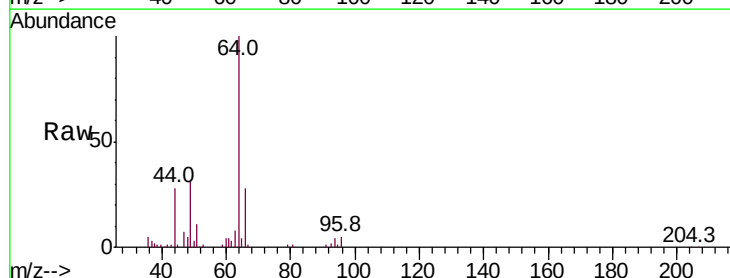
RT: 2.27 min Scan# 85

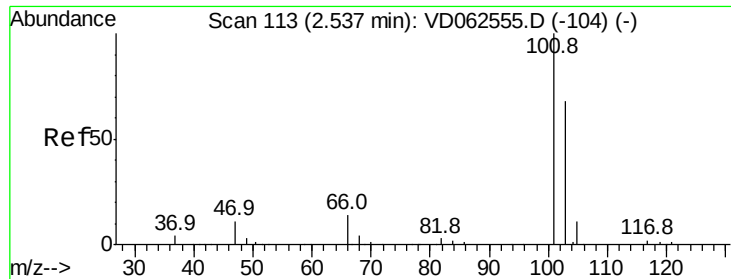
Delta R.T. -0.00 min

Lab File: VD062595.D

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Tgt Ion:	64	Resp:	183002
Ion	Ratio	Lower	Upper
64	100		
66	28.0	23.4	35.2





#7

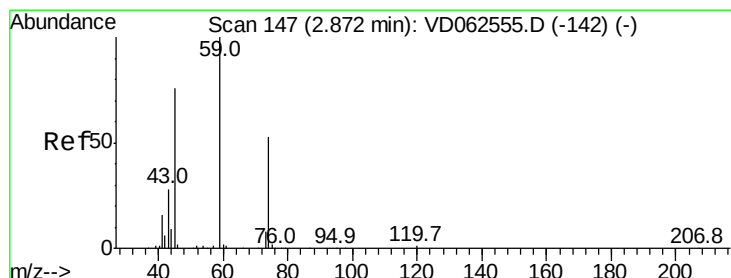
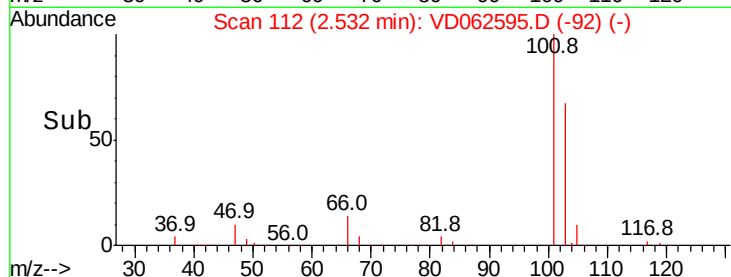
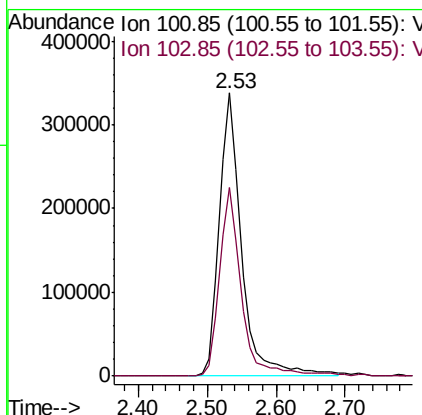
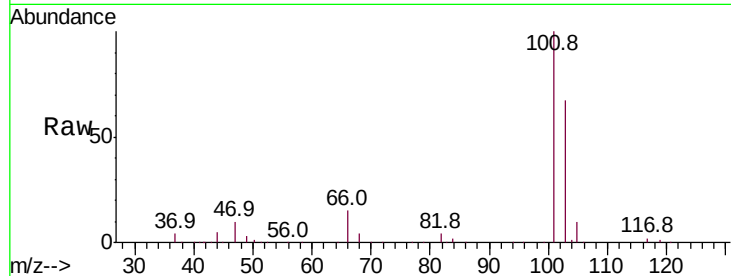
Trichlorofluoromethane
 Concen: 52.670 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD062595.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	762984		
103	66.6	54.3	81.5	

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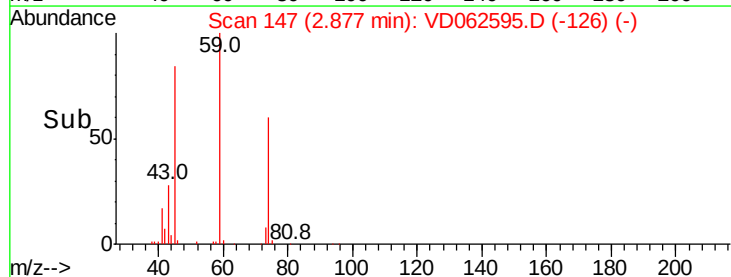
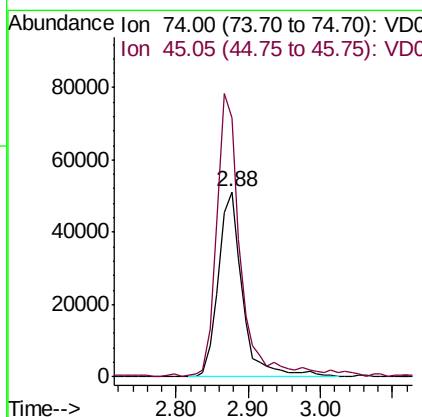
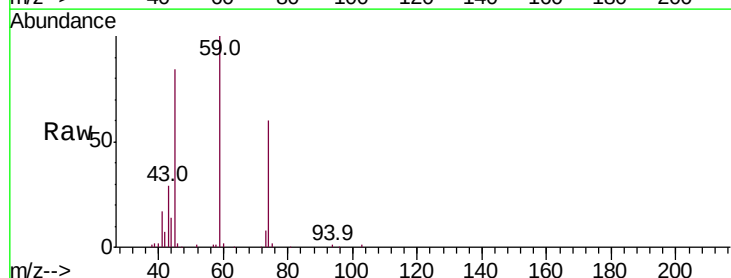
MMDadoda
 6/6/2019 8:48:16 AM

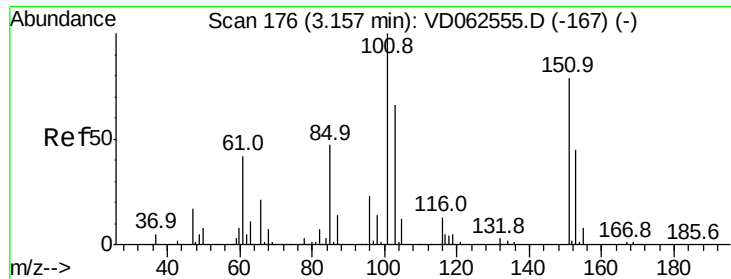


#8

Diethyl Ether
 Concen: 63.785 ug/l
 RT: 2.88 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	118531		
45	140.0	71.9	215.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.649 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

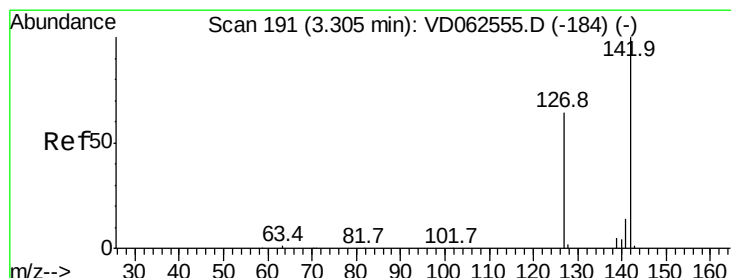
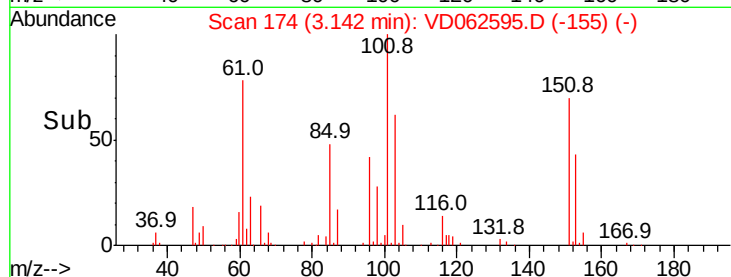
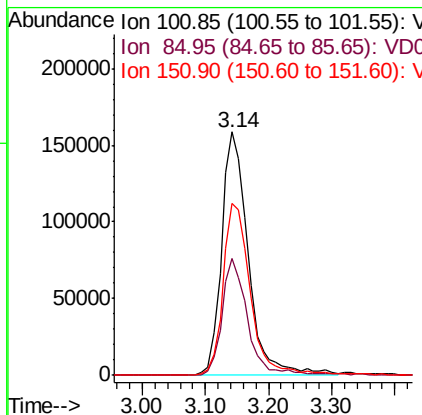
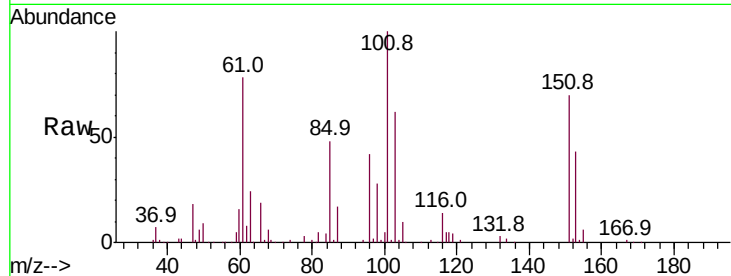
ClientSampleId :

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Tot Ion:	101	Resp:	467488
Ion Ratio	Lower	Upper	
101	100		
85	47.9	37.6	56.4
151	70.4	63.0	94.4

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#10

Methyl Iodide

Concen: 53.955 ug/l

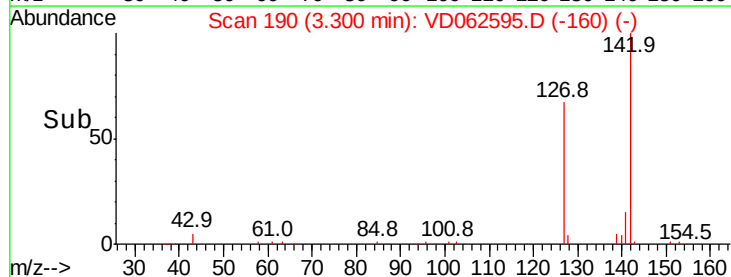
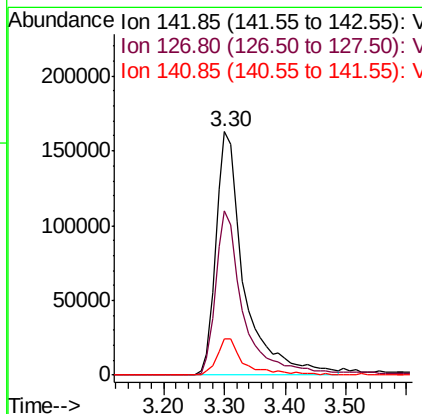
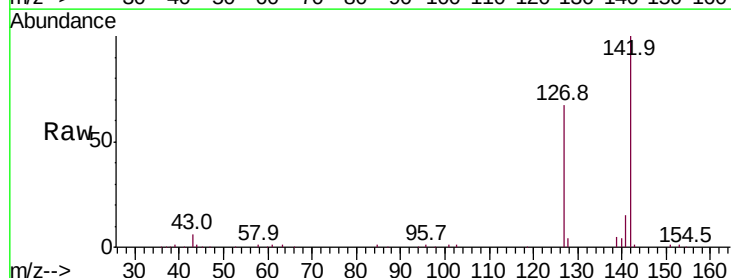
RT: 3.30 min Scan# 190

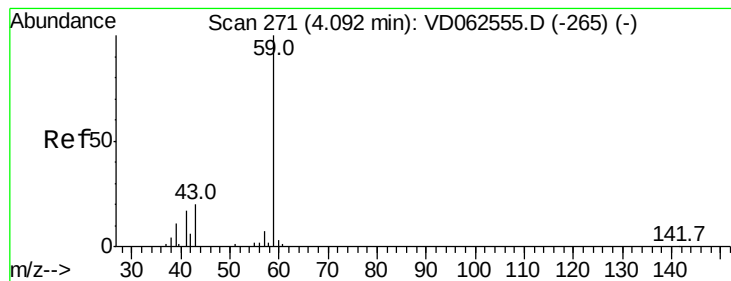
Delta R.T. -0.00 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Tgt Ion:	142	Resp:	523713
Ion Ratio	Lower	Upper	
142	100		
127	67.2	51.2	76.8
141	14.8	11.0	16.4





#11

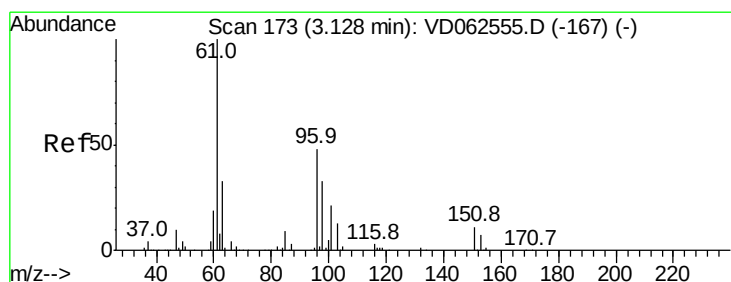
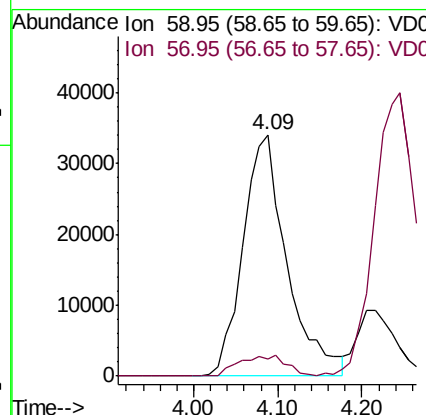
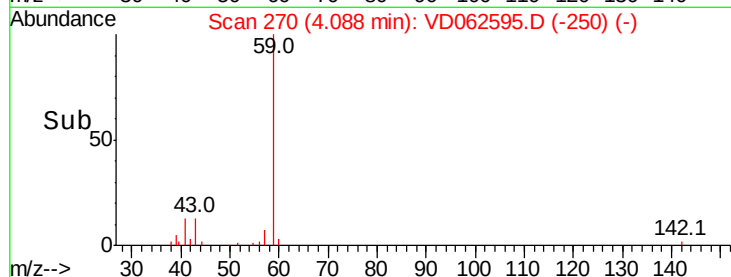
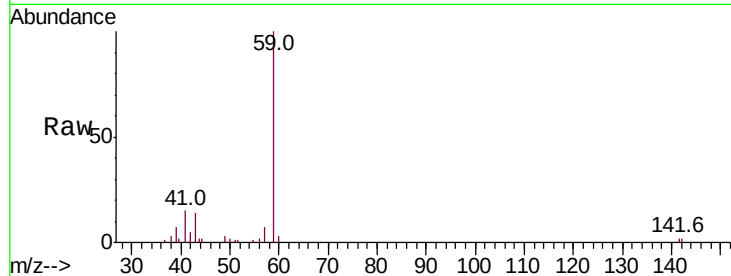
Tert butyl alcohol
Concen: 320.672 ug/l
RT: 4.09 min Scan# 270
Delta R.T. -0.00 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 124083
Ion Ratio Lower Upper
59 100
57 7.2 5.4 8.0

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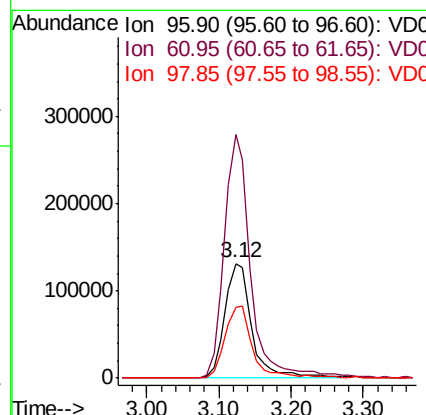
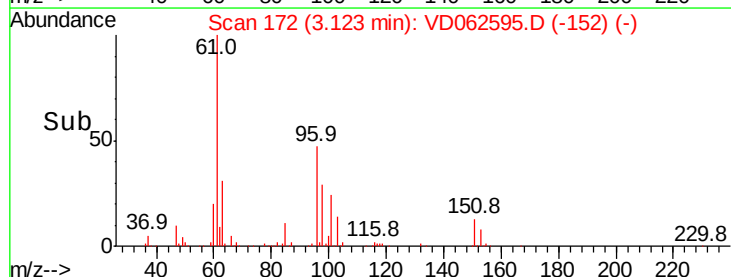
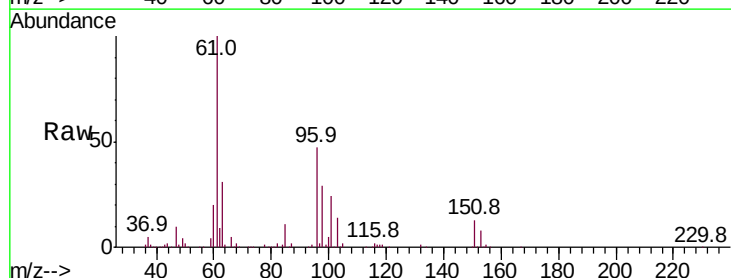
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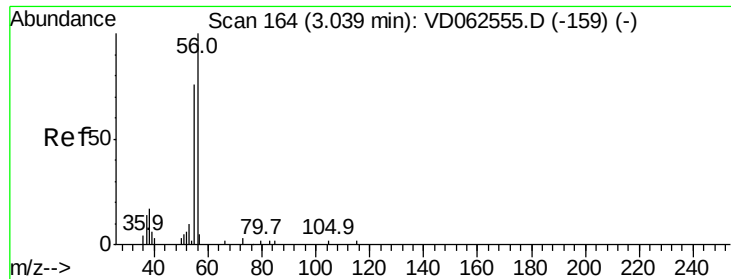


#12

1,1-Dichloroethene
Concen: 56.079 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.00 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion: 96 Resp: 339367
Ion Ratio Lower Upper
96 100
61 212.6 166.6 250.0
98 62.3 54.4 81.6





#13

Acrolein

Concen: 302.366 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 50979

Ion Ratio Lower Upper

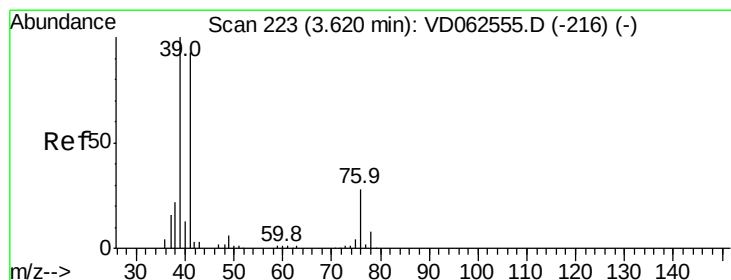
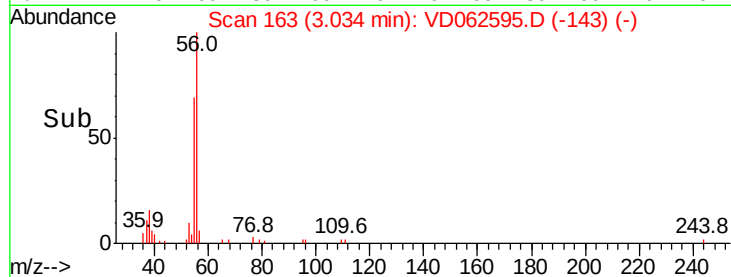
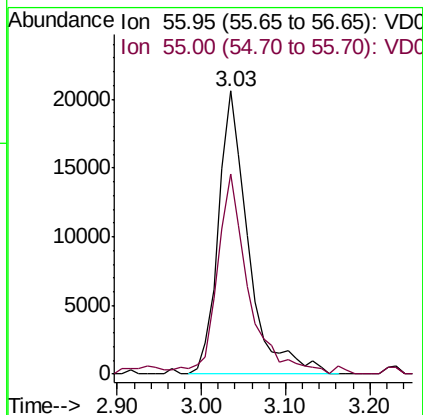
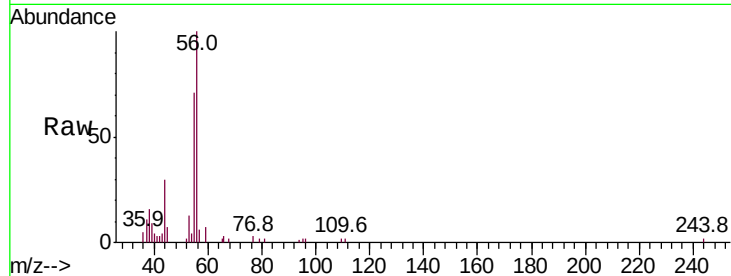
56 100

55 70.6 62.6 93.8

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#14

Allyl chloride

Concen: 56.453 ug/l

RT: 3.62 min Scan# 222

Delta R.T. -0.00 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

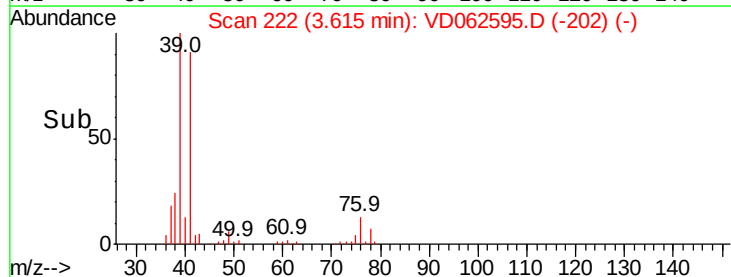
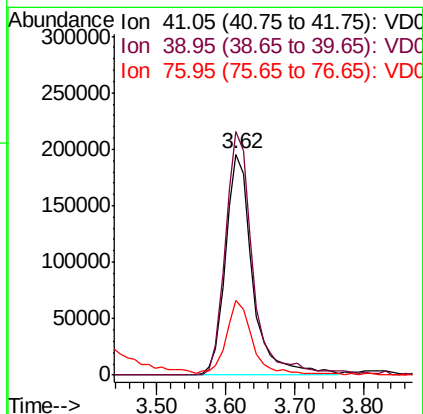
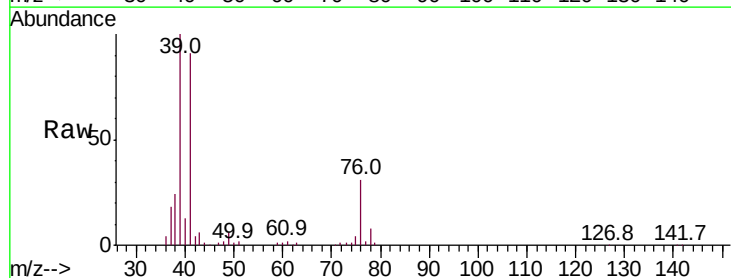
Tgt Ion: 41 Resp: 533651

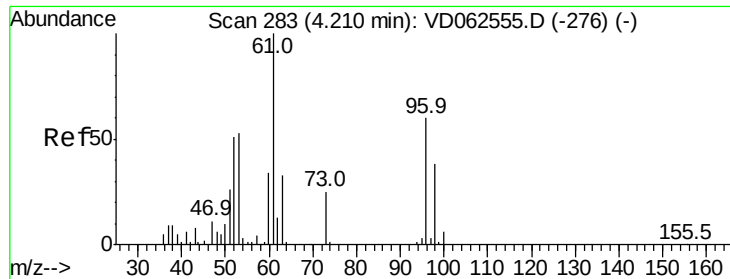
Ion Ratio Lower Upper

41 100

39 110.2 86.3 129.5

76 33.7 25.5 38.3





#15

Acrylonitrile

Concen: 292.100 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

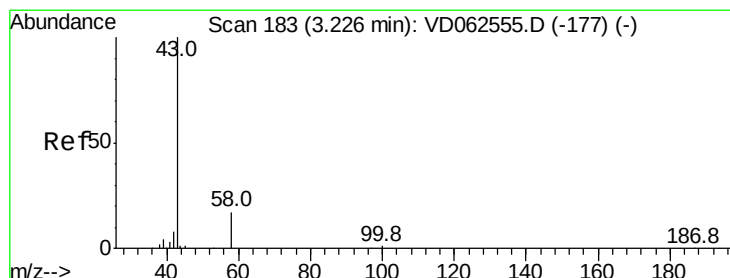
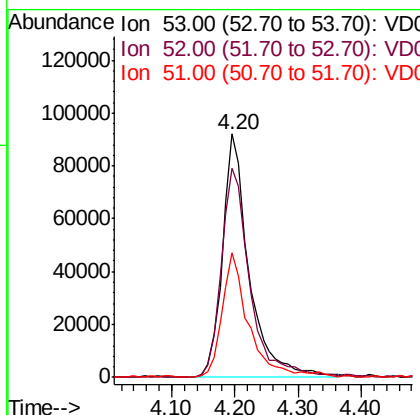
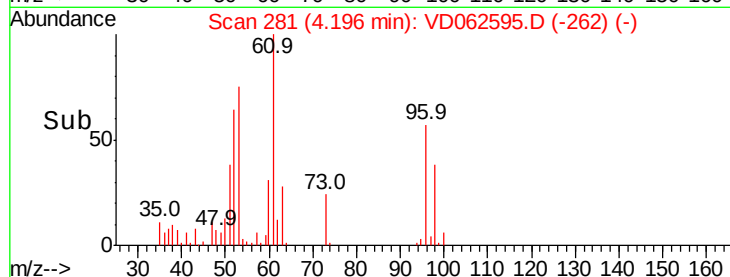
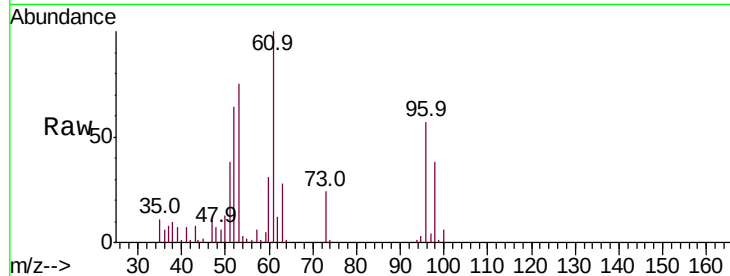
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	270196
Ion	Ratio	Lower	Upper
53	100		
52	85.7	76.2	114.2
51	51.4	40.2	60.4

Manual Integrations
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#16

Acetone

Concen: 239.501 ug/l

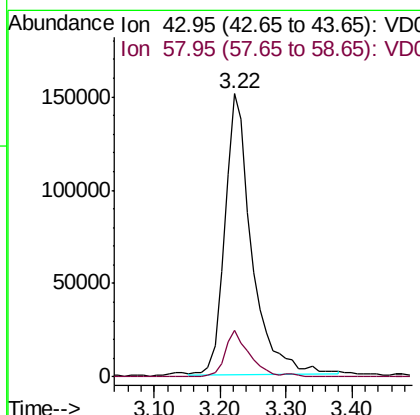
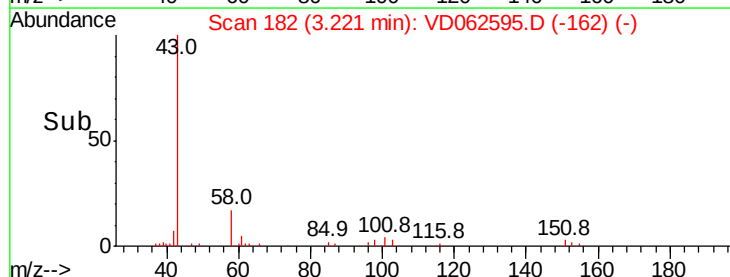
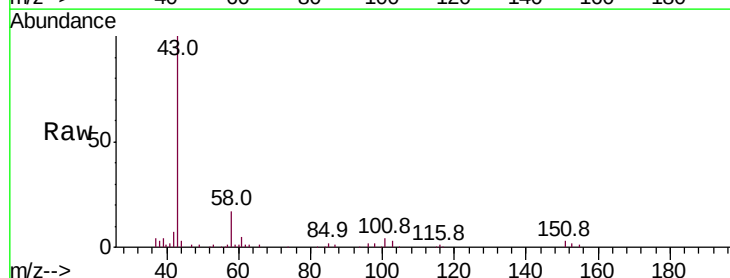
RT: 3.22 min Scan# 182

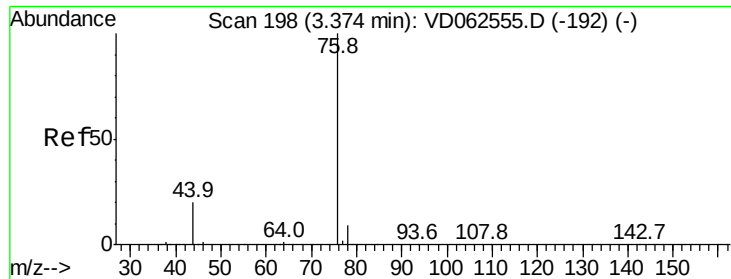
Delta R.T. -0.00 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Tgt Ion:	43	Resp:	426907
Ion	Ratio	Lower	Upper
43	100		
58	16.6	13.8	20.8





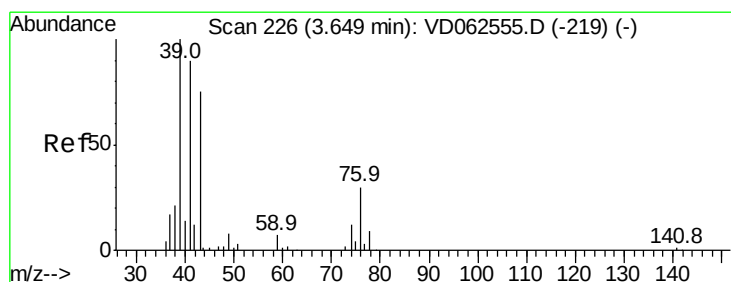
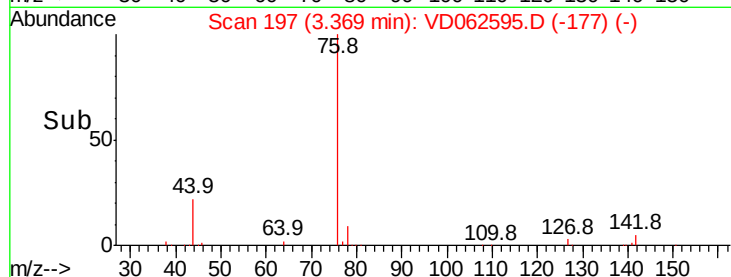
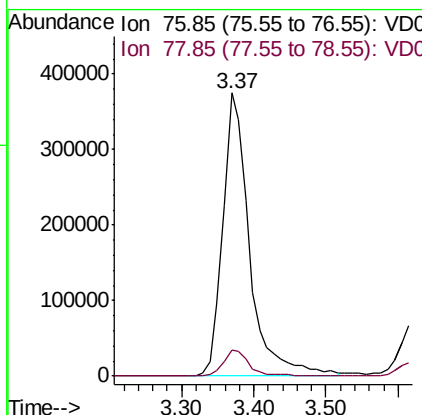
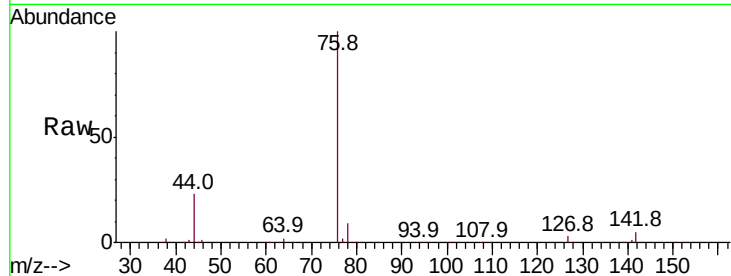
#17
Carbon Disulfide
Concen: 49.174 ug/l
RT: 3.37 min Scan# 197
Delta R.T. -0.00 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 967314
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2

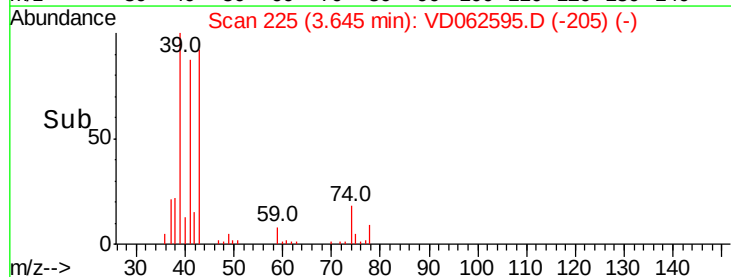
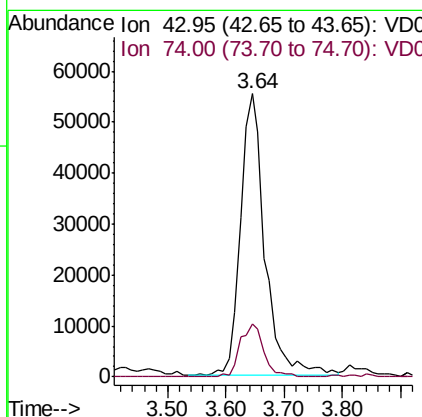
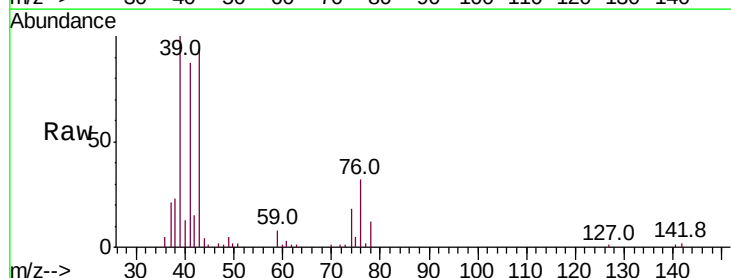
Manual Integrations
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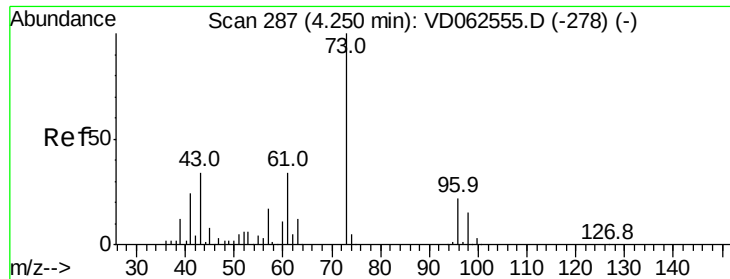
MMDadoda
6/6/2019 8:48:16 AM



#18
Methyl Acetate
Concen: 54.801 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion: 43 Resp: 159433
Ion Ratio Lower Upper
43 100
74 18.9 12.5 18.7#





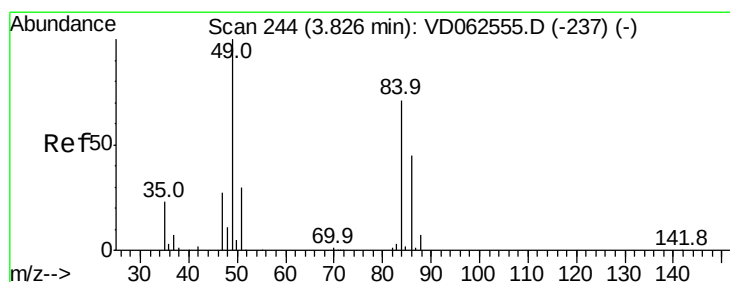
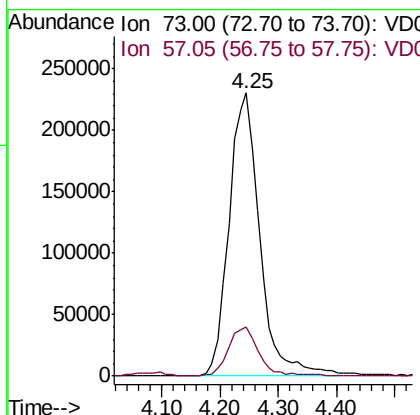
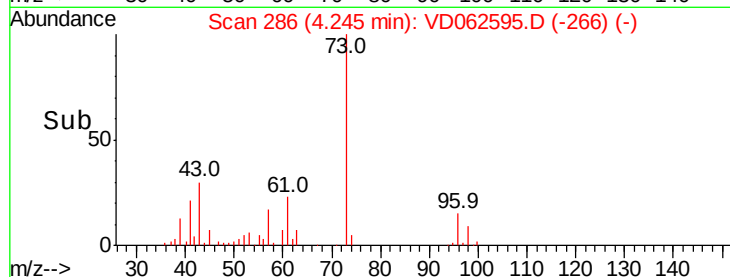
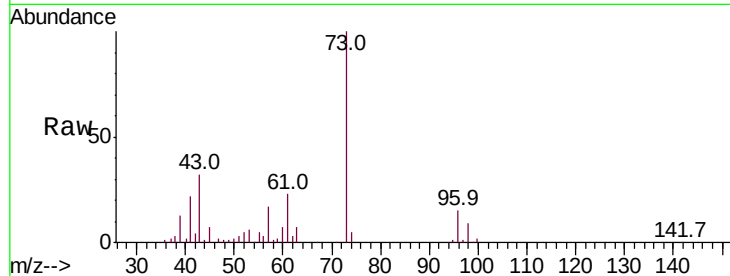
#19
Methyl tert-butyl Ether
Concen: 57.642 ug/l
RT: 4.25 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 845006
Ion Ratio Lower Upper
73 100
57 17.3 13.8 20.8

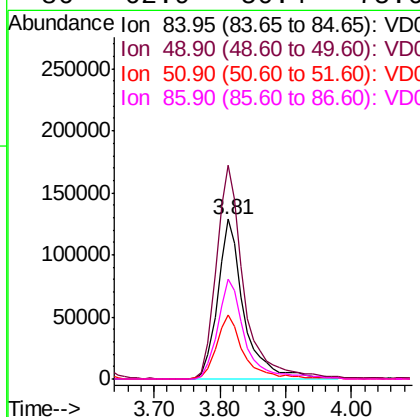
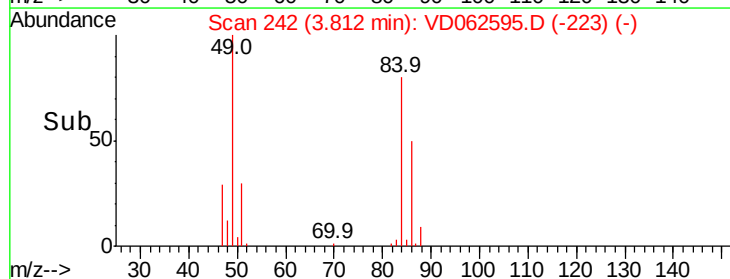
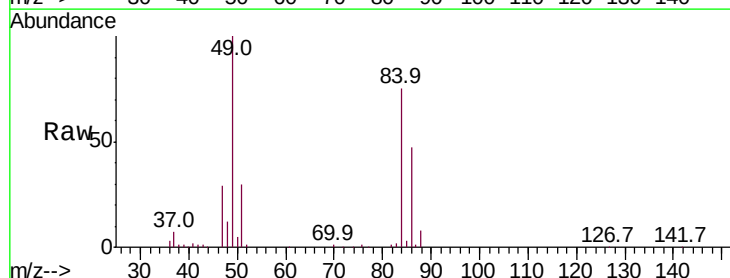
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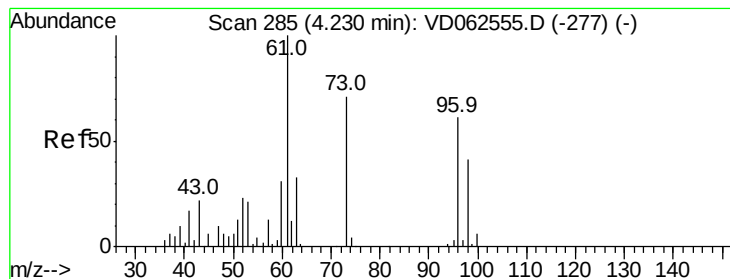
MMDadoda
6/6/2019 8:48:16 AM



#20
Methylene Chloride
Concen: 54.268 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion: 84 Resp: 358077
Ion Ratio Lower Upper
84 100
49 133.9 112.3 168.5
51 40.2 33.6 50.4
86 62.9 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 54.060 ug/l

RT: 4.22 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050EC

Tot Ion: 96 Resp: 371253

Ion Ratio Lower Upper

96 100

61 147.5 131.1 196.7

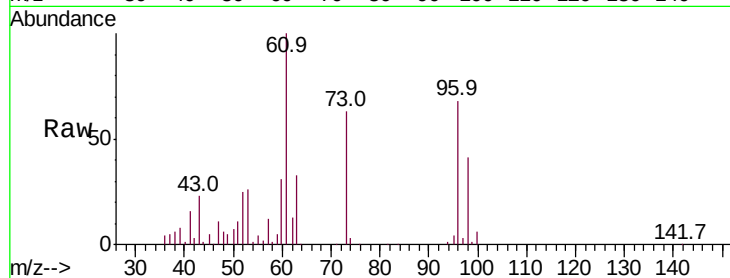
98 60.4 54.2 81.4

Manual Integrations

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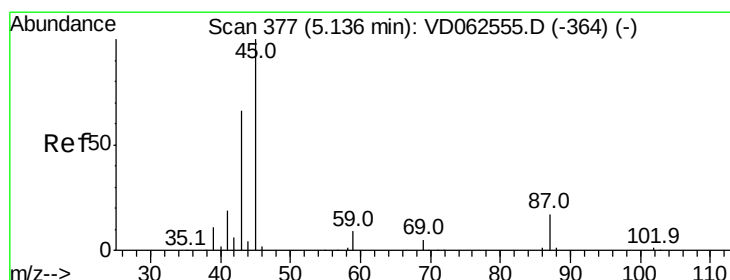
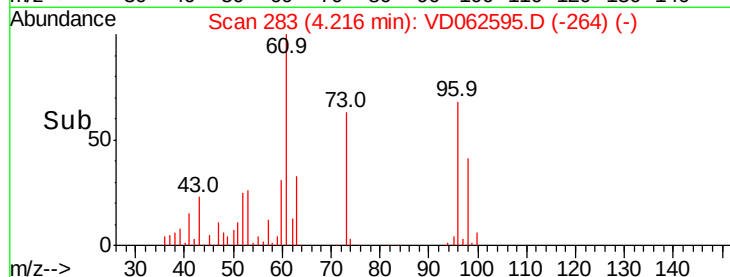
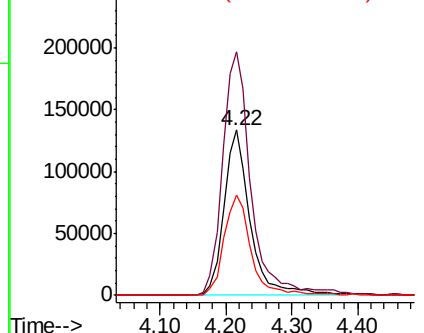
6/6/2019 8:48:16 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 57.093 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Tgt Ion: 45 Resp: 1102553

Ion Ratio Lower Upper

45 100

43 71.4 53.6 80.4

87 19.9 14.2 21.4

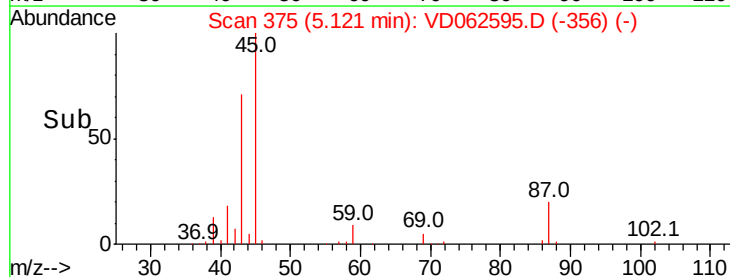
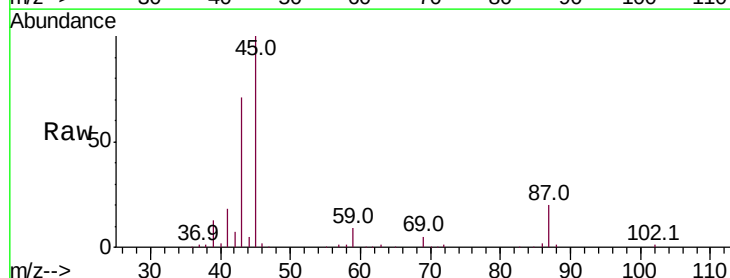
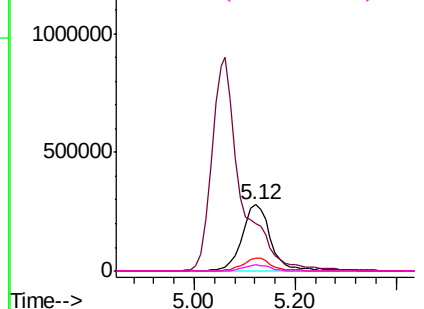
59 8.9 7.3 10.9

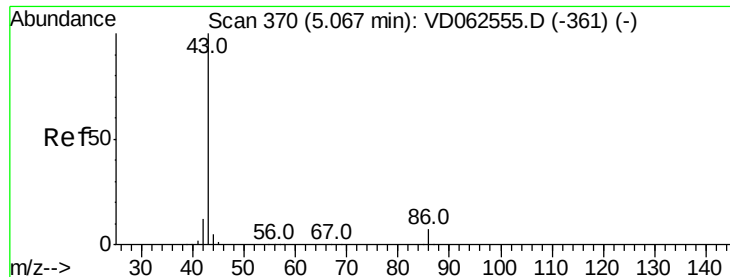
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 305.532 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3578161

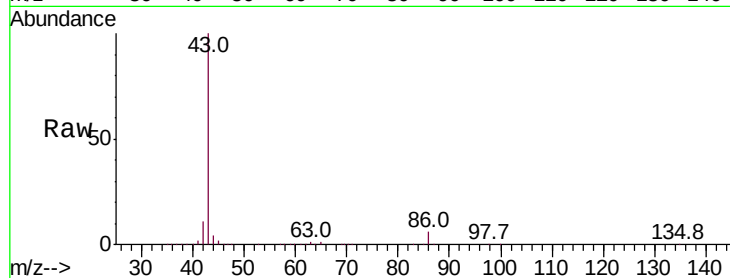
Ion Ratio Lower Upper

43 100

86 6.0 5.5 8.3

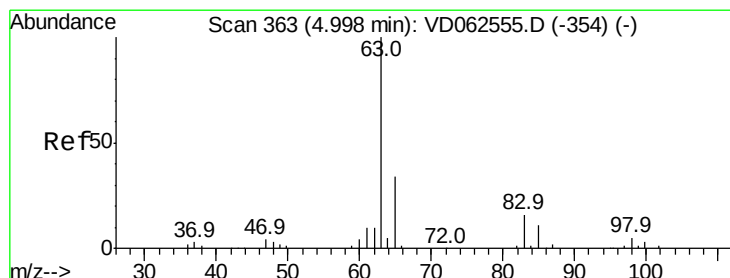
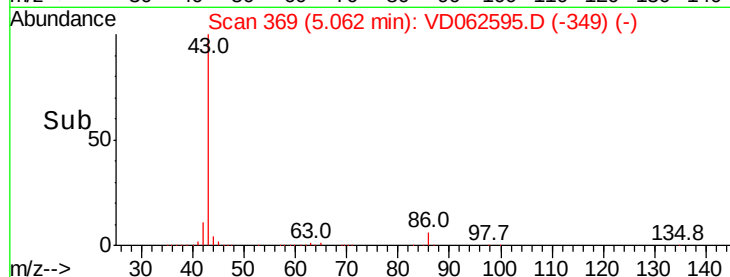
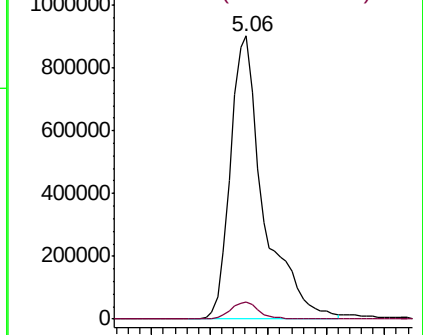
Manual Integrations
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 55.602 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

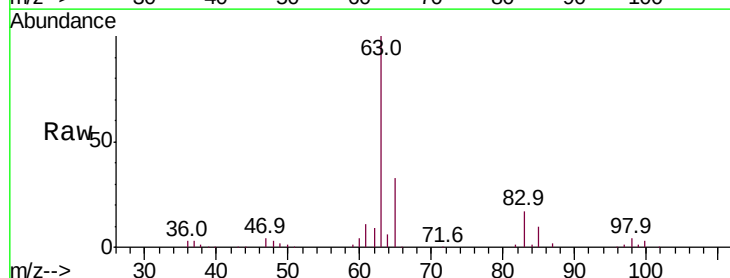
Tgt Ion: 63 Resp: 692925

Ion Ratio Lower Upper

63 100

98 4.2 2.5 7.5

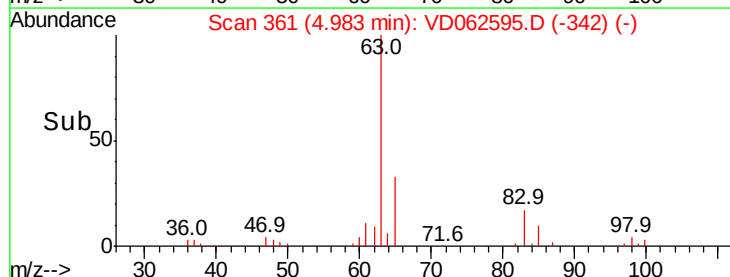
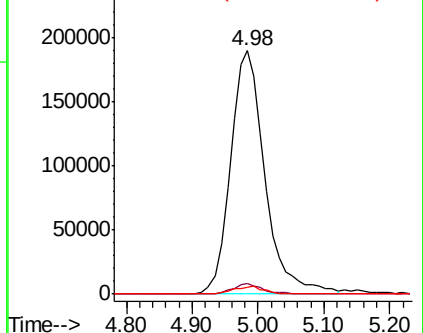
100 2.9 1.6 4.7

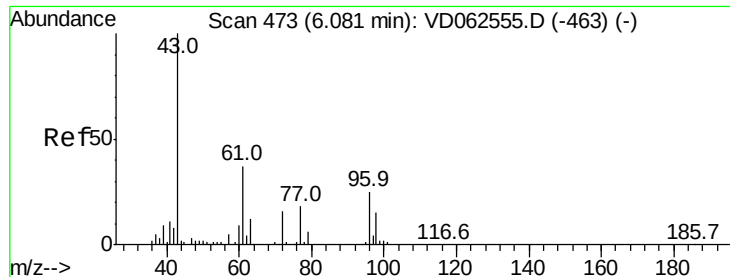


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 286.345 ug/l

RT: 6.07 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 480697

Ion Ratio Lower Upper

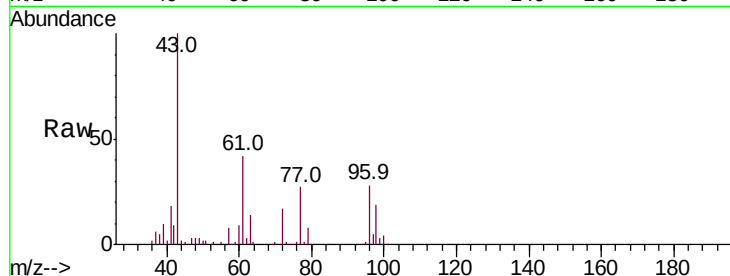
43 100

72 17.2 12.7 19.1

Manual Integrations
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

100000

50000

0

6.07

6.10

6.15

6.20

6.25

6.30

6.35

6.40

6.45

6.50

6.55

6.60

6.65

6.70

6.75

6.80

6.85

6.90

6.95

7.00

7.05

7.10

7.15

7.20

7.25

7.30

7.35

7.40

7.45

7.50

7.55

7.60

7.65

7.70

7.75

7.80

7.85

7.90

7.95

8.00

8.05

8.10

8.15

8.20

8.25

8.30

8.35

8.40

8.45

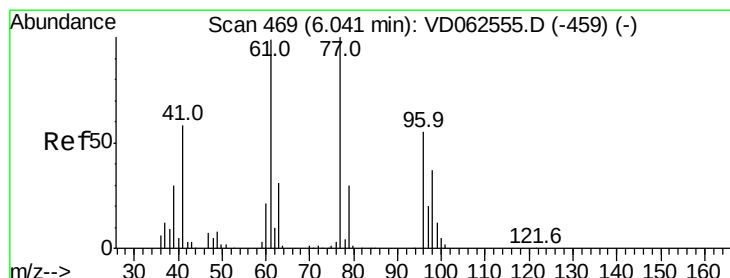
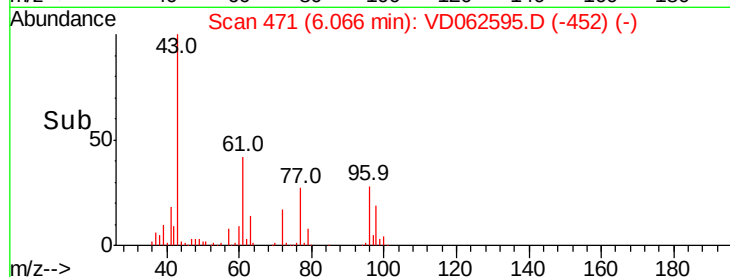
8.50

8.55

8.60

8.65

8.70



#26

2,2-Dichloropropane

Concen: 55.808 ug/l

RT: 6.02 min Scan# 466

Delta R.T. -0.02 min

Lab File: VD062595.D

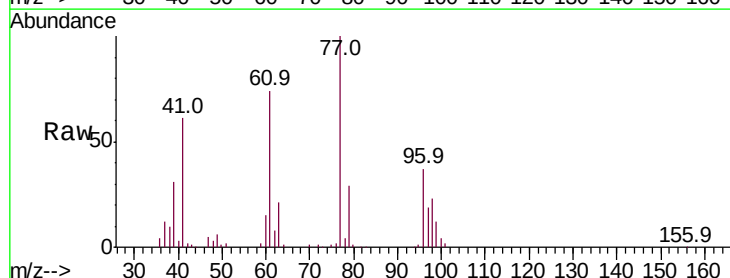
Acq: 3 Jun 2019 19:34

Tgt Ion: 77 Resp: 771563

Ion Ratio Lower Upper

77 100

97 18.9 9.8 29.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

250000

200000

150000

100000

50000

0

6.02

6.05

6.10

6.15

6.20

6.25

6.30

6.35

6.40

6.45

6.50

6.55

6.60

6.65

6.70

6.75

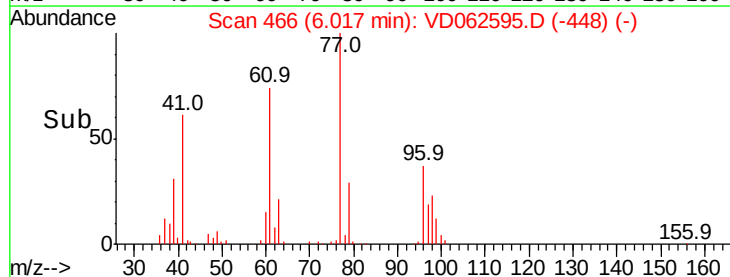
6.80

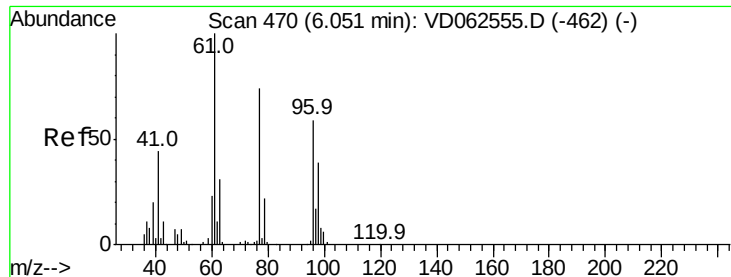
6.85

6.90

6.95

7.00





#27

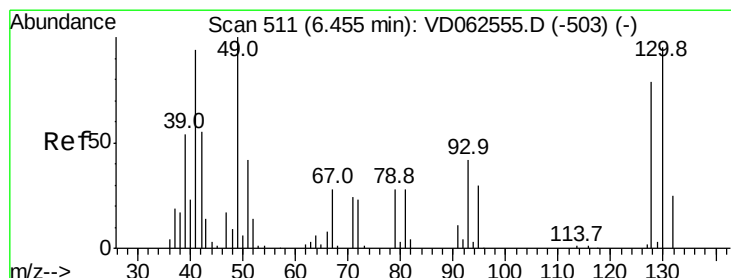
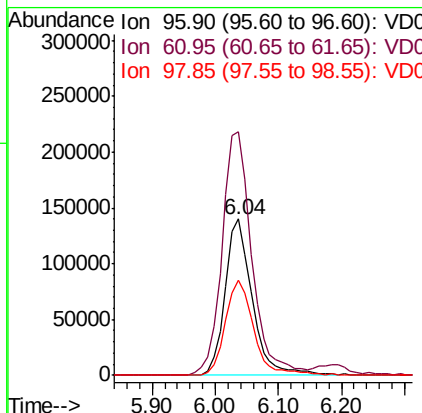
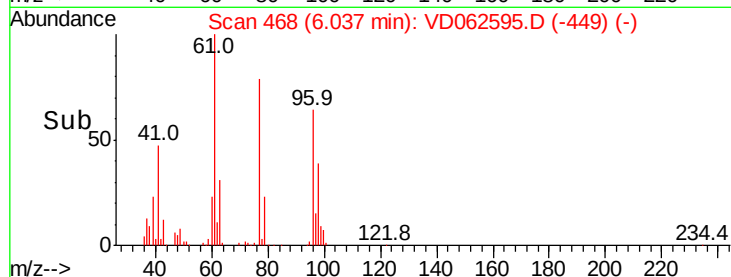
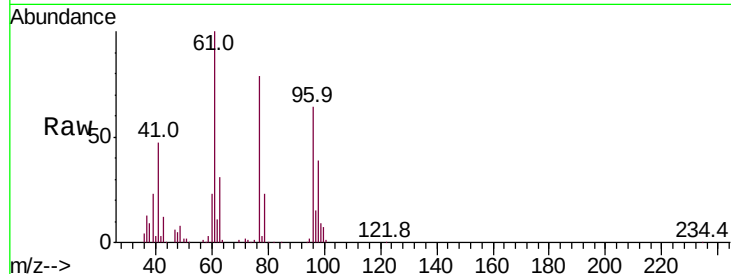
cis-1,2-Dichloroethene
Concen: 59.126 ug/l
RT: 6.04 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	417383		
61	155.6	0.0	342.4	
98	61.2	0.0	134.6	

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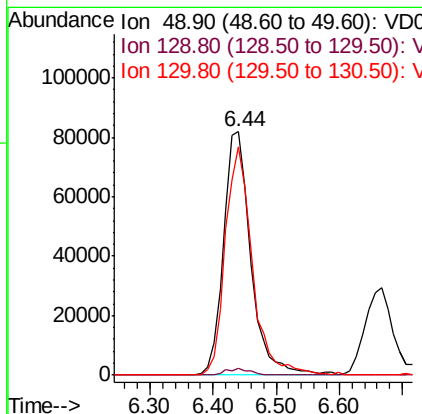
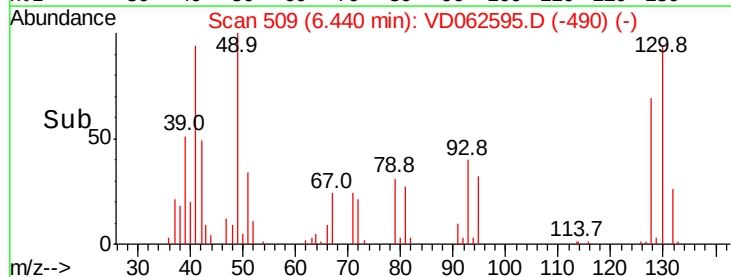
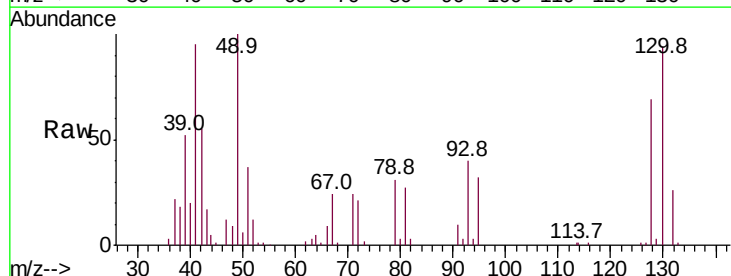
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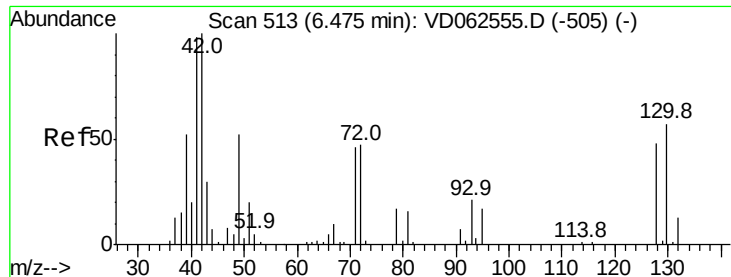


#28

Bromochloromethane
Concen: 57.122 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	245984		
129	2.7	0.0	5.6	
130	94.0	75.8	113.8	





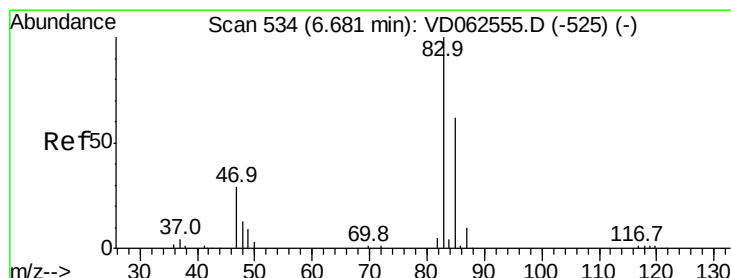
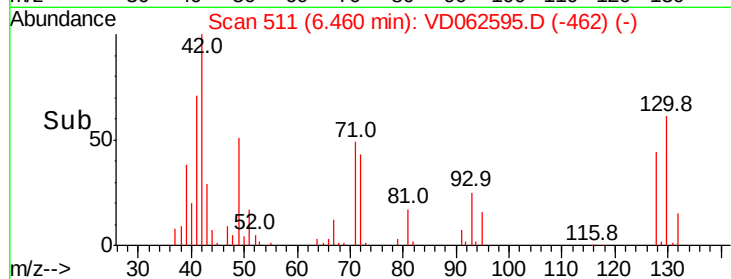
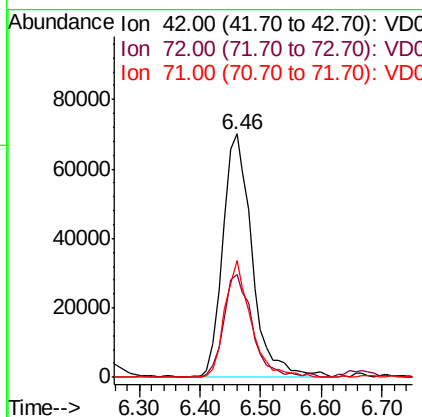
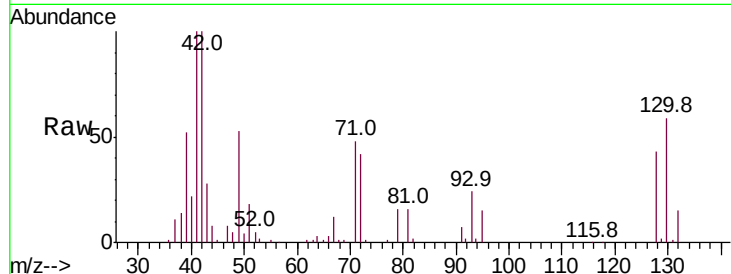
#29
Tetrahydrofuran
Concen: 312.471 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	34.5	51.7
71	42.7	33.0	49.6

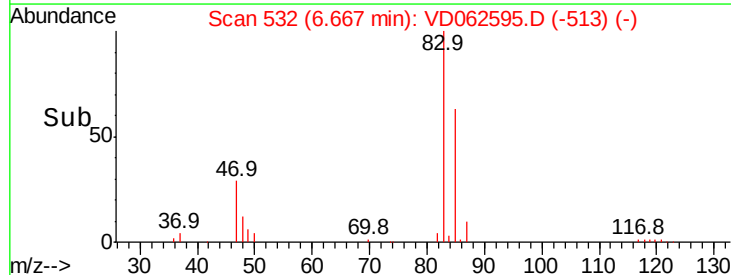
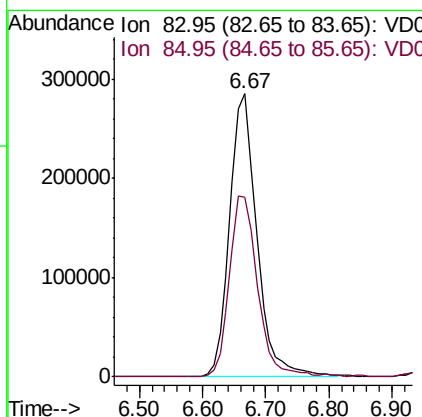
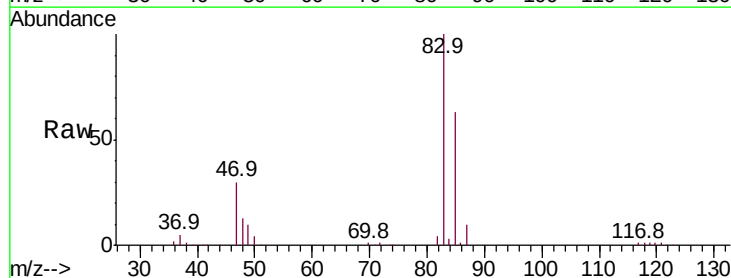
Manual Integrations
APPROVED

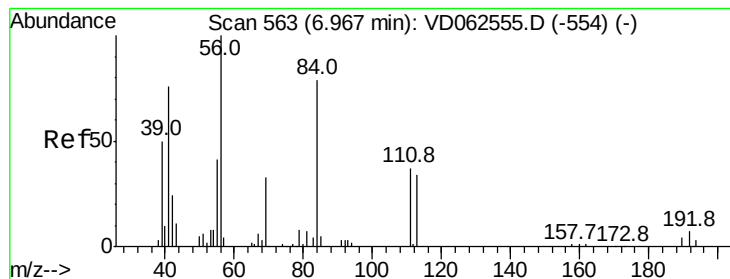
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#30
Chloroform
Concen: 56.765 ug/l
RT: 6.67 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	49.4	74.0





#31

Cyclohexane

Concen: 53.670 ug/l

RT: 6.95 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 452210

Ion Ratio Lower Upper

56 100

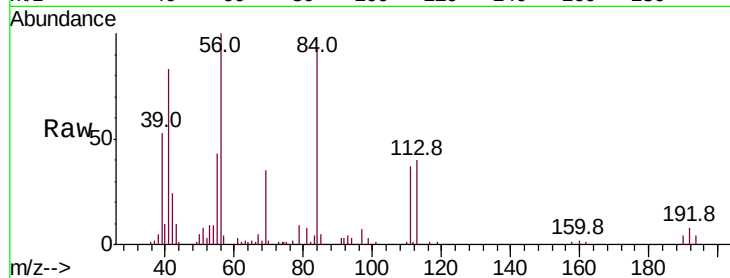
69 34.6 26.2 39.2

84 92.8 65.2 97.8

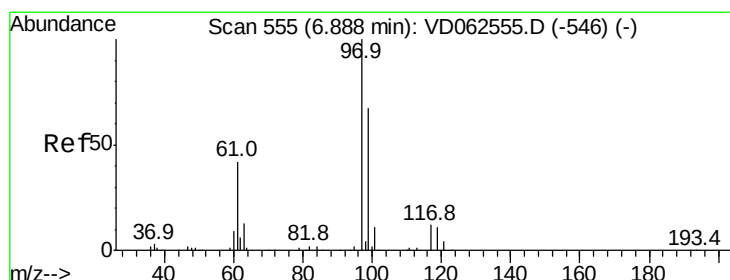
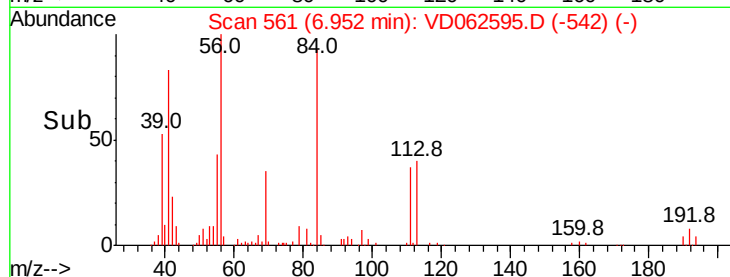
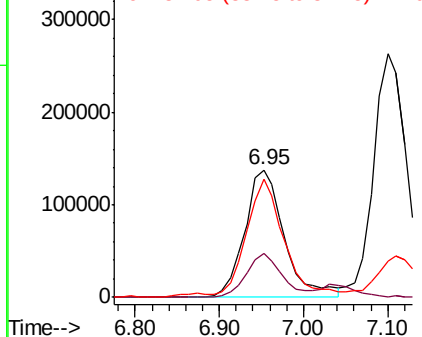
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Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 54.027 ug/l

RT: 6.86 min Scan# 552

Delta R.T. -0.02 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

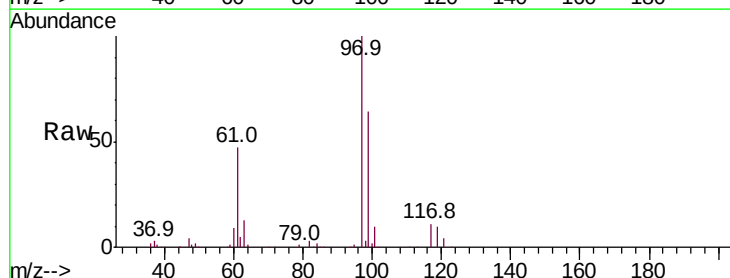
Tgt Ion: 97 Resp: 844357

Ion Ratio Lower Upper

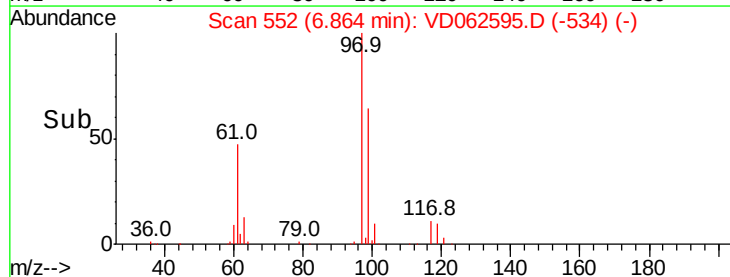
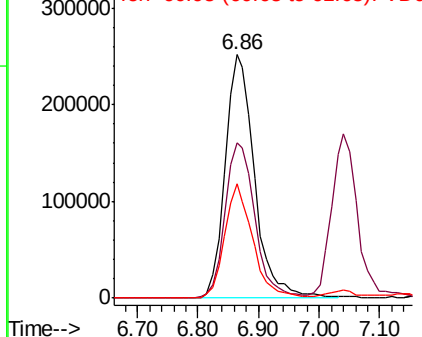
97 100

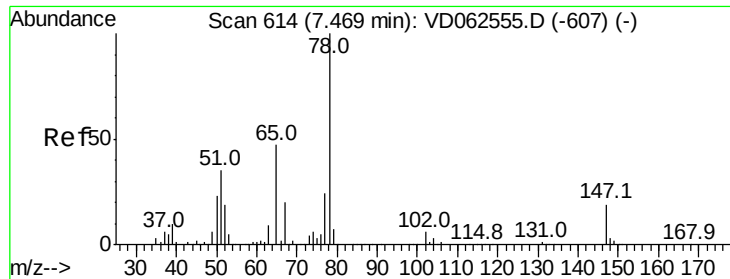
99 63.5 53.6 80.4

61 47.2 33.9 50.9



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





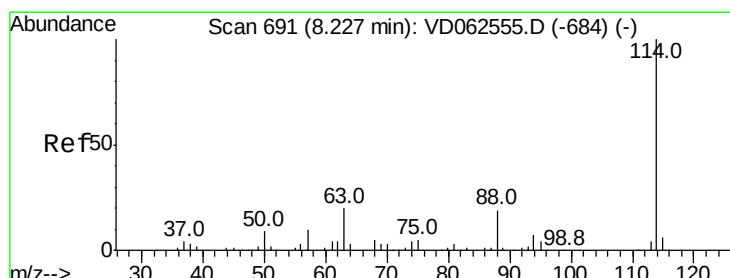
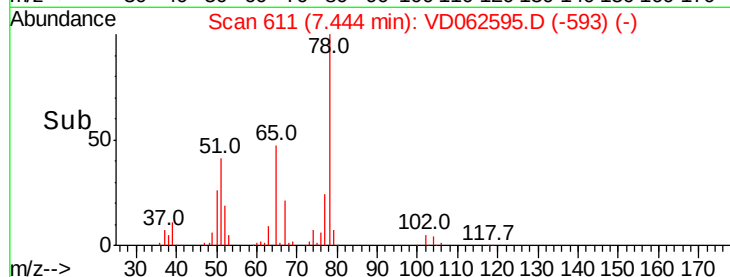
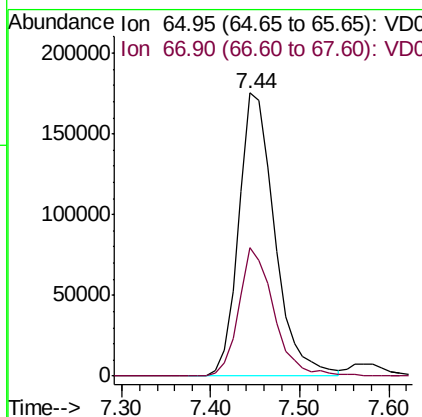
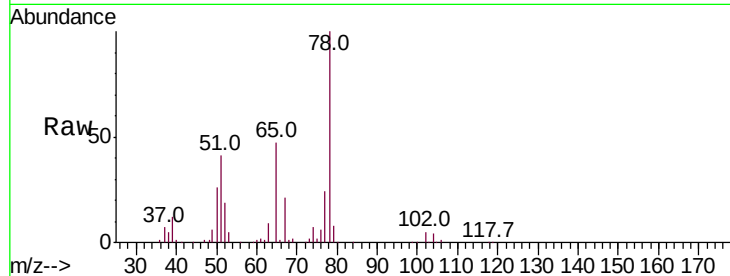
#33
 1,2-Dichloroethane-d4
 Concen: 54.051 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	45.2	0.0	83.6

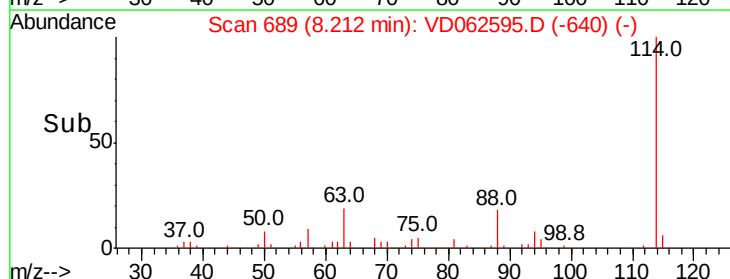
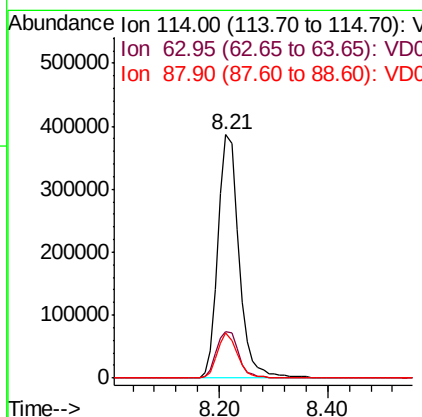
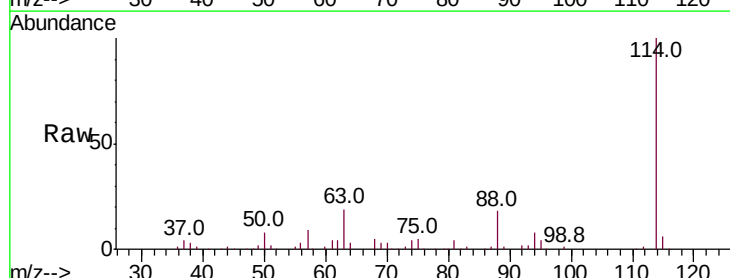
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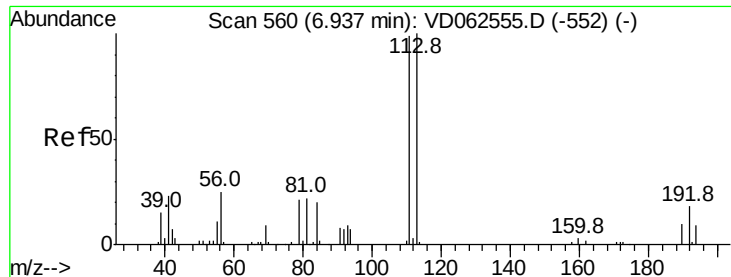
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	40.6
88	18.4	0.0	37.6





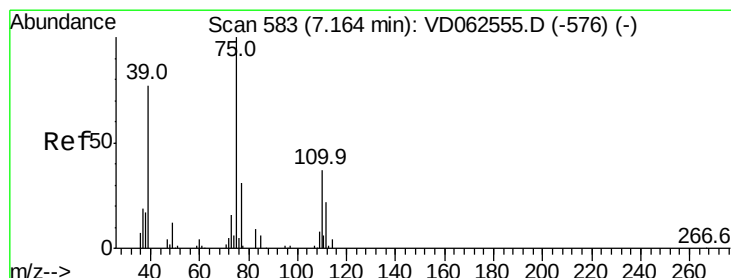
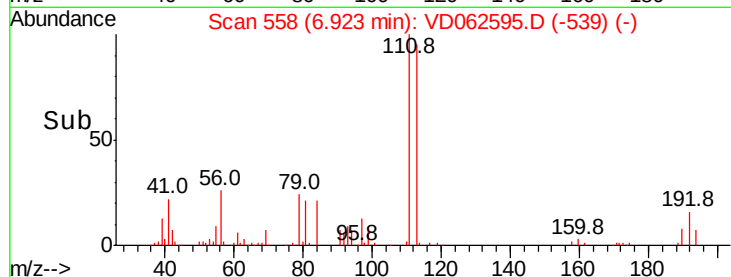
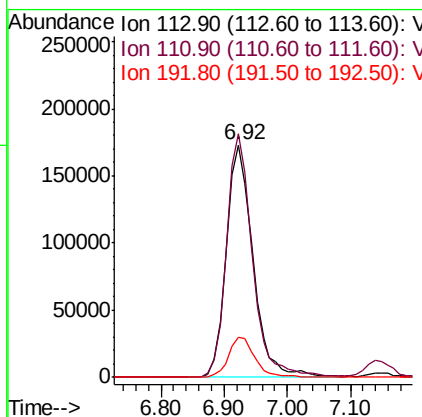
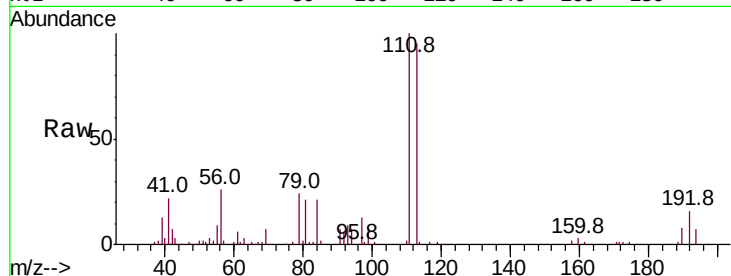
#35
 Dibromofluoromethane
 Concen: 53.643 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.7	78.8	118.2
192	17.1	14.6	22.0

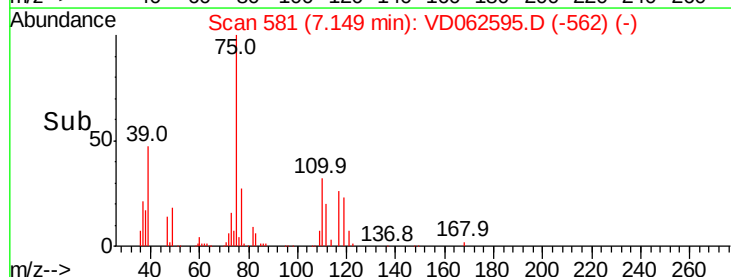
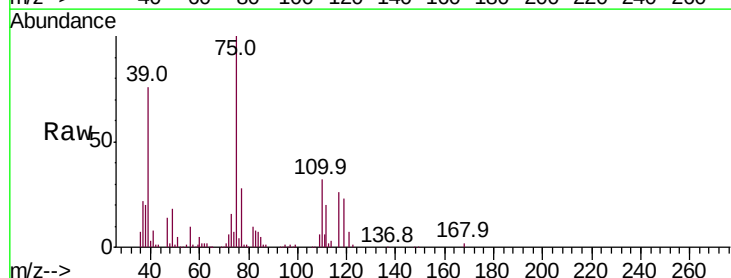
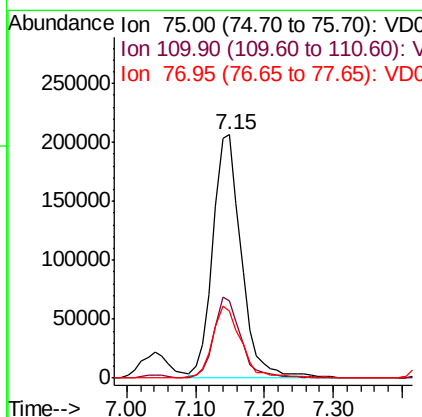
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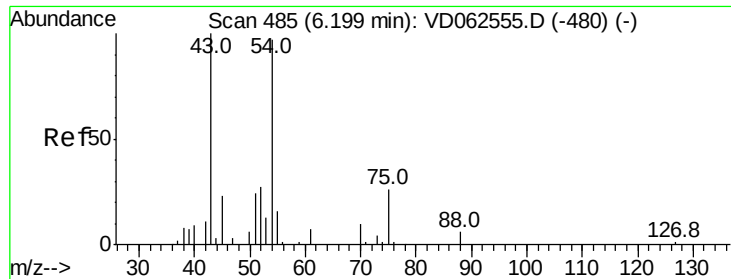
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#36
 1,1-Dichloropropene
 Concen: 57.427 ug/l
 RT: 7.15 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.9	18.3	54.8
77	27.6	24.4	36.6





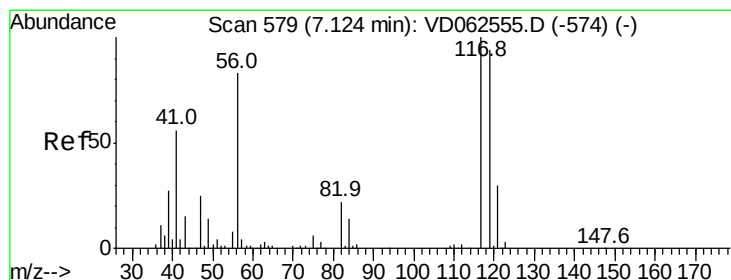
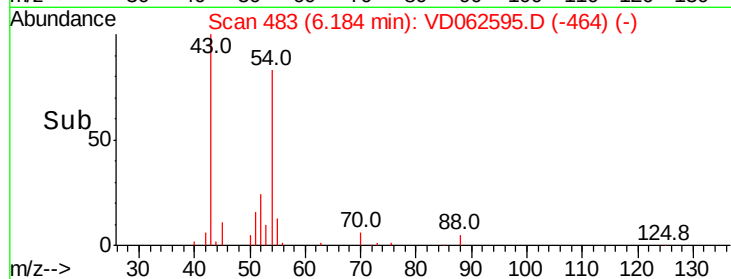
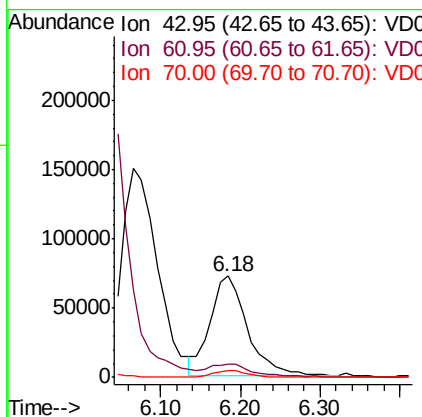
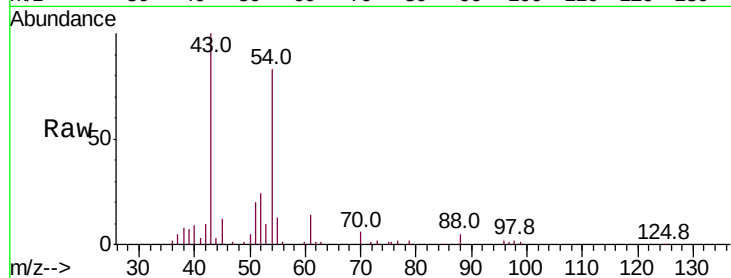
#37
Ethyl Acetate
Concen: 54.308 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	9.8	14.8
70	6.3	6.5	9.7#

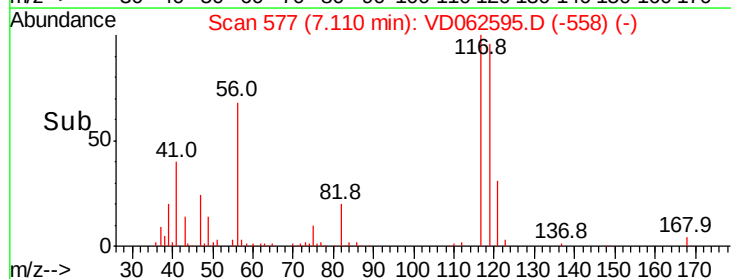
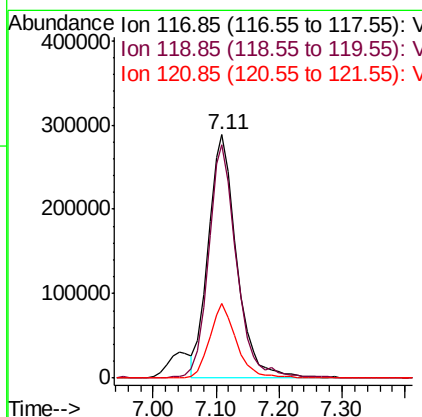
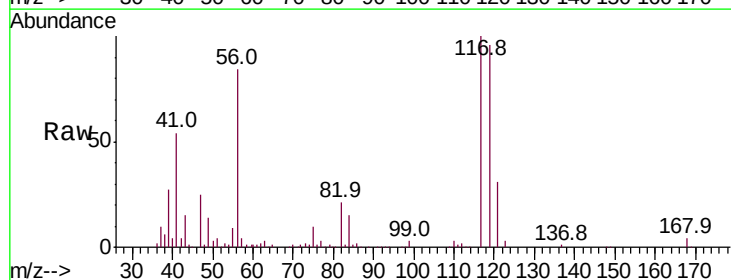
Manual Integrations
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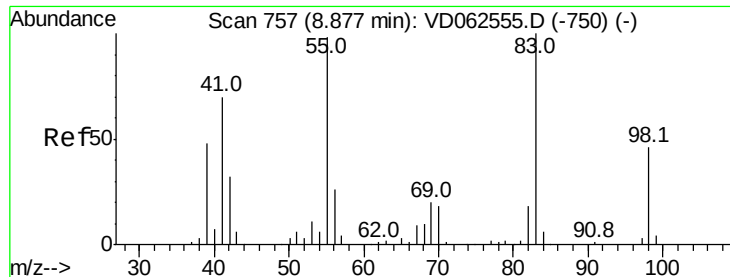
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#38
Carbon Tetrachloride
Concen: 58.974 ug/l m
RT: 7.11 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	71.4	107.2
121	30.8	22.5	33.7





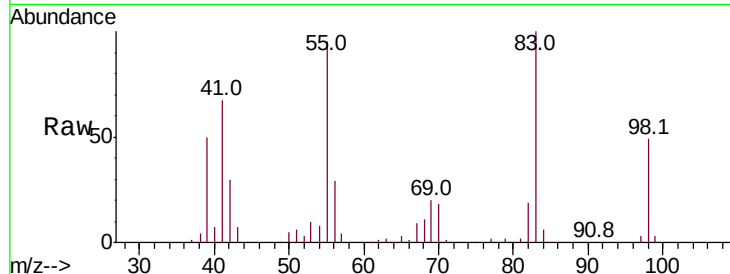
#39
Methylvlcyclohexane
Concen: 56.202 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

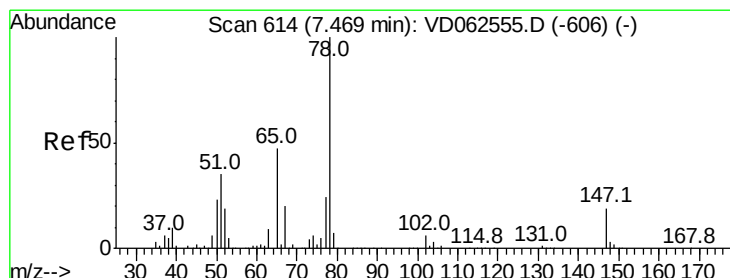
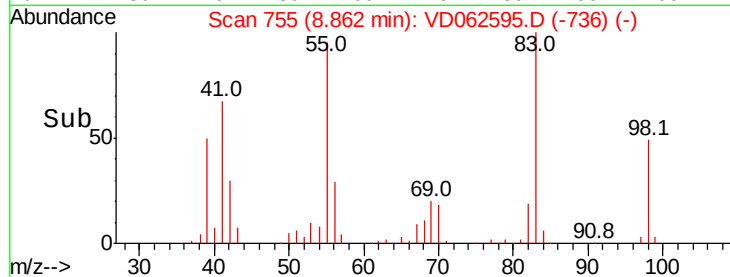
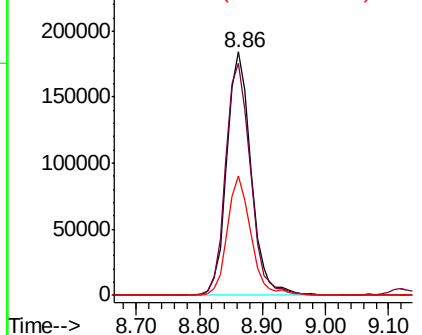
Tot Ion: 83 Resp: 491894
Ion Ratio Lower Upper
83 100
55 95.4 78.7 118.1
98 49.1 37.2 55.8

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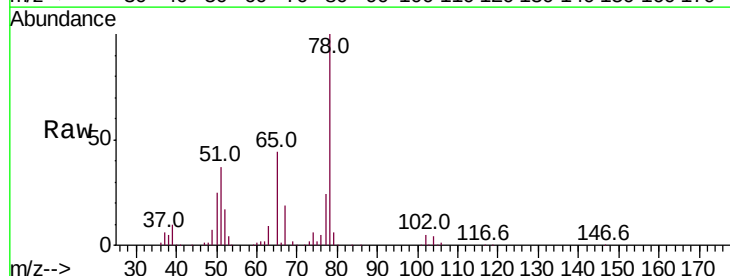


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

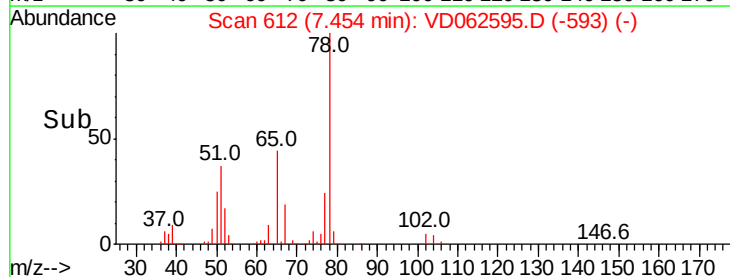
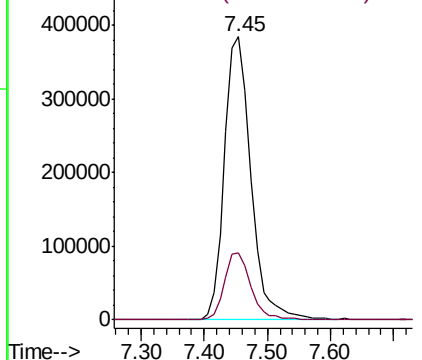


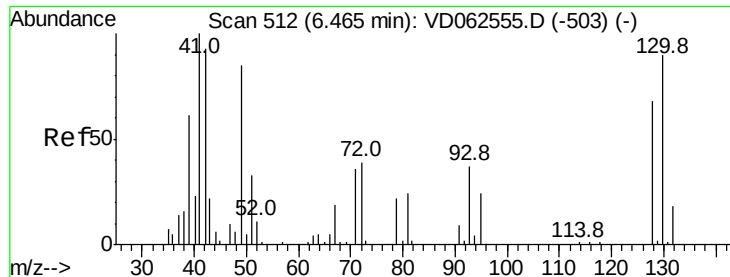
#40
Benzene
Concen: 55.316 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion: 78 Resp: 1122348
Ion Ratio Lower Upper
78 100
77 23.7 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: 61.897 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.02 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

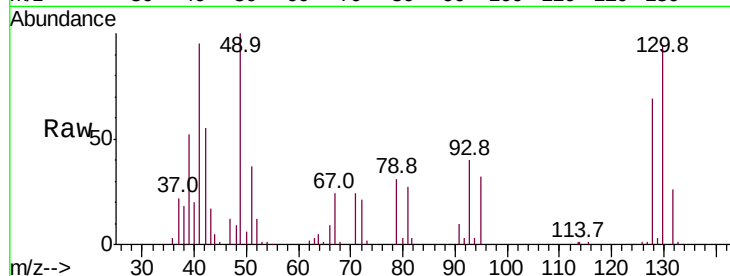
VSTDCCC050EC

Tot Ion: 41 Resp: 317450
Ion Ratio Lower Upper

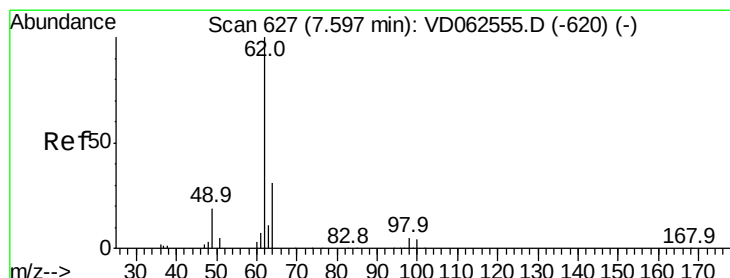
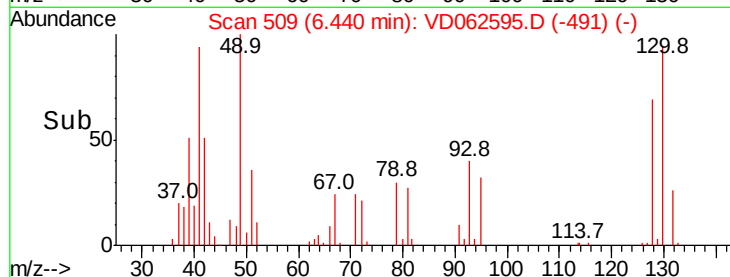
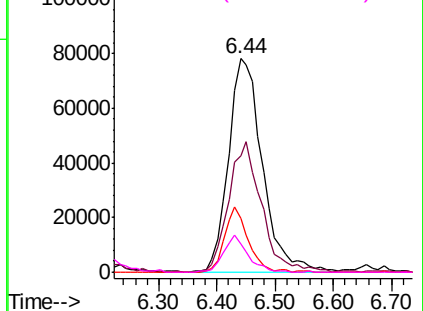
41	100		
39	54.8	49.0	73.6
67	25.2	15.5	23.3
52	13.1	8.9	13.3

Manual Integrations
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Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 59.324 ug/l

RT: 7.57 min Scan# 624

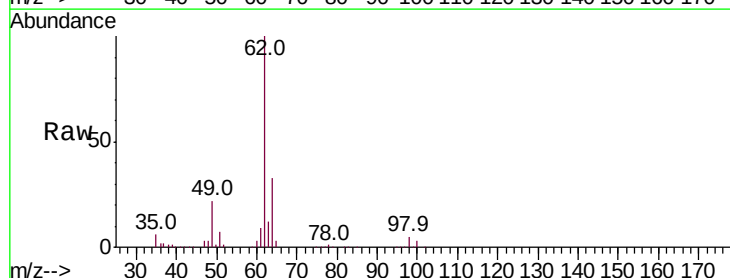
Delta R.T. -0.02 min

Lab File: VD062595.D

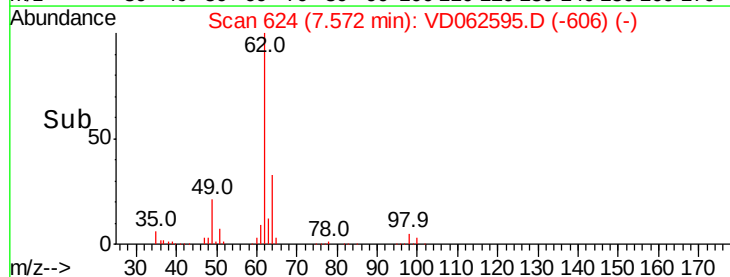
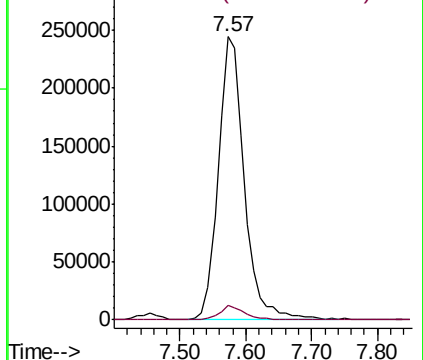
Acq: 3 Jun 2019 19:34

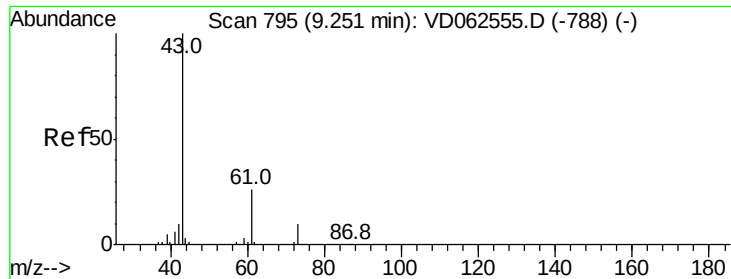
Tgt Ion: 62 Resp: 670470
Ion Ratio Lower Upper

62	100		
98	5.1	0.0	11.0



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

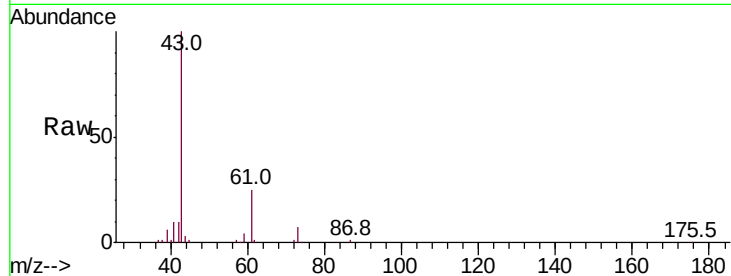
Isopropyl Acetate
 Concen: 61.102 ug/l
 RT: 9.24 min Scan# 793
 Delta R.T. -0.01 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

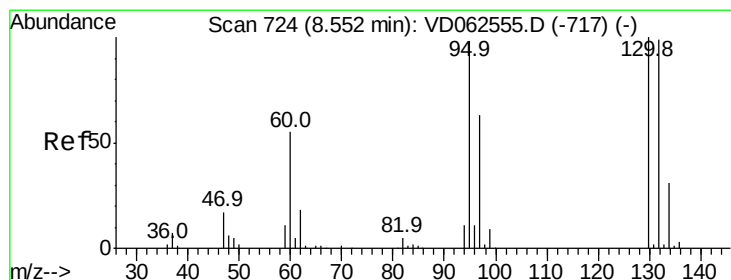
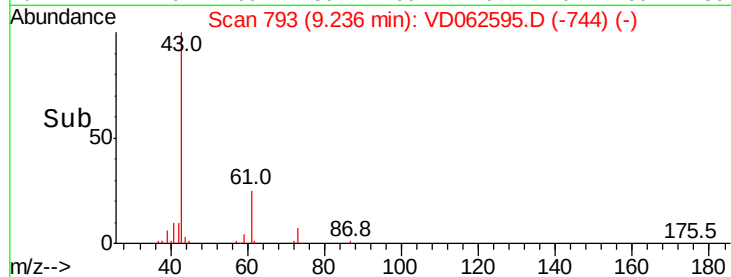
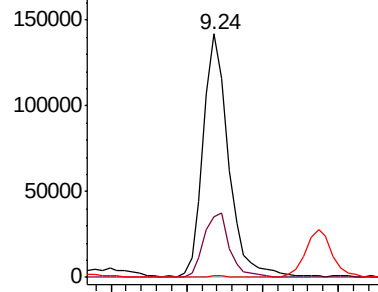
Tot Ion	Ratio	Lower	Upper
43	100		
61	24.7	20.5	30.7
87	0.5	0.2	0.2#

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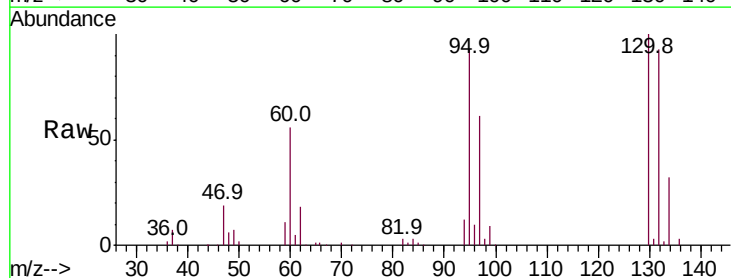
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



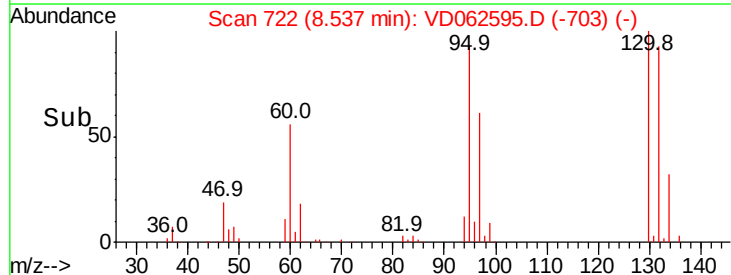
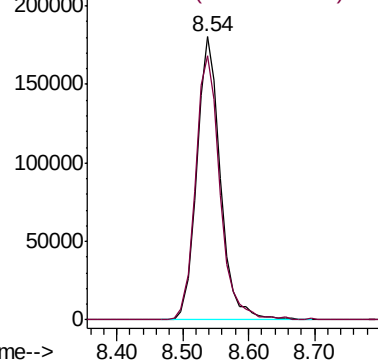
#44

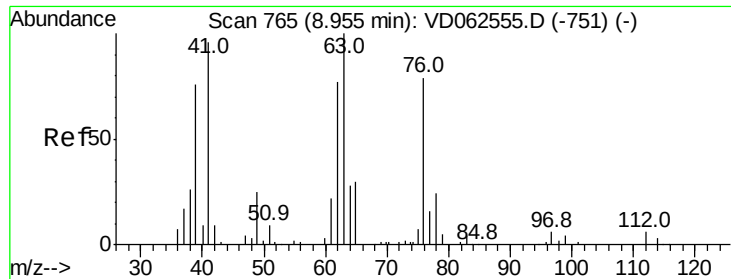
Trichloroethene
 Concen: 55.903 ug/l
 RT: 8.54 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	196.6



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 58.872 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 292851

Ion Ratio Lower Upper

63 100

65 29.6

23.7

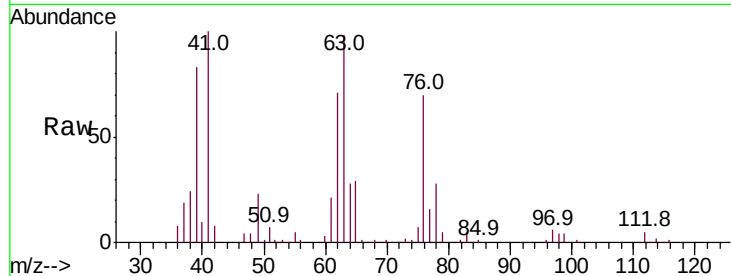
35.5

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

120000

100000

80000

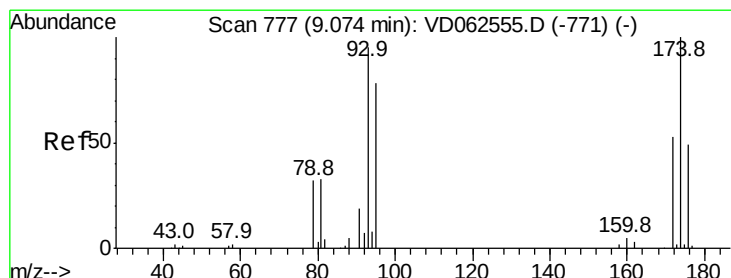
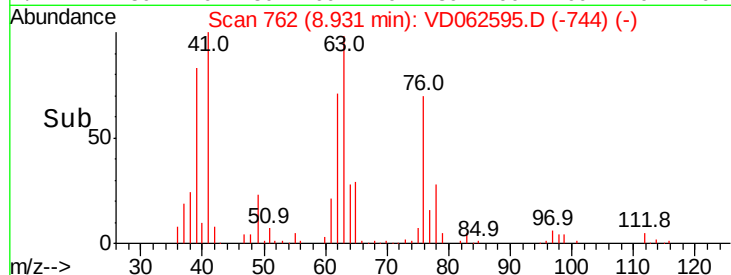
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 58.950 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Tgt Ion: 93 Resp: 246307

Ion Ratio Lower Upper

93 100

95 81.5

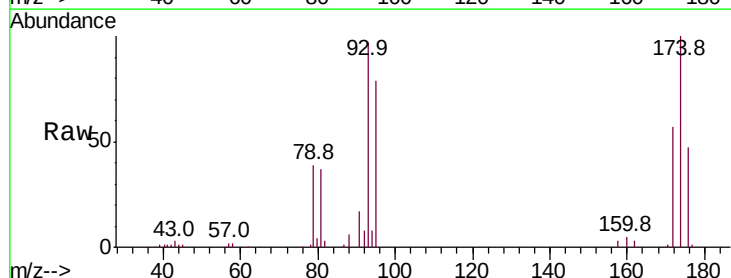
66.1

99.1

174 103.5

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): V

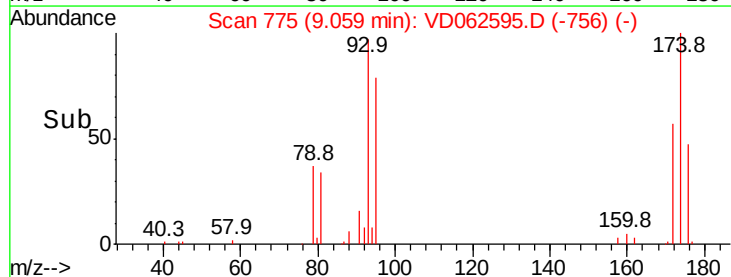
150000

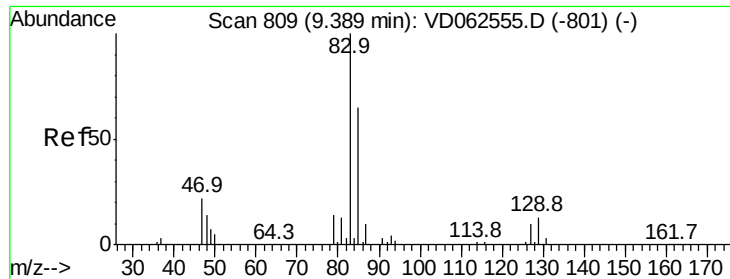
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 57.881 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

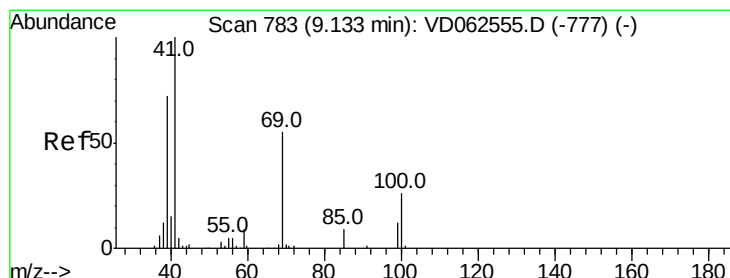
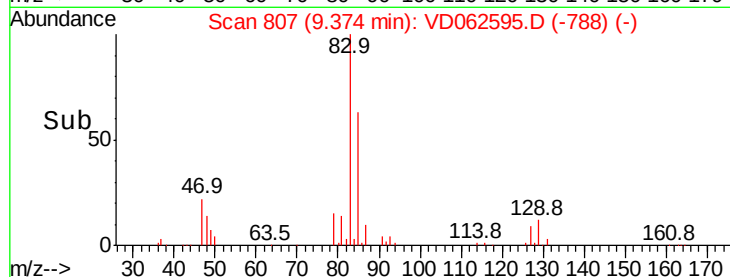
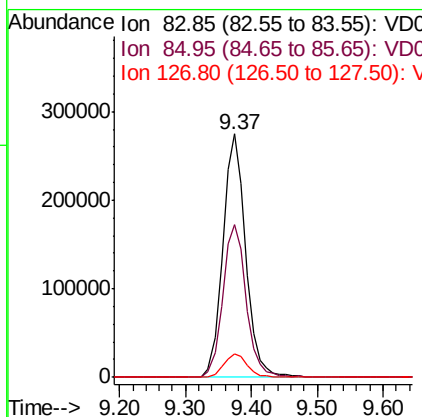
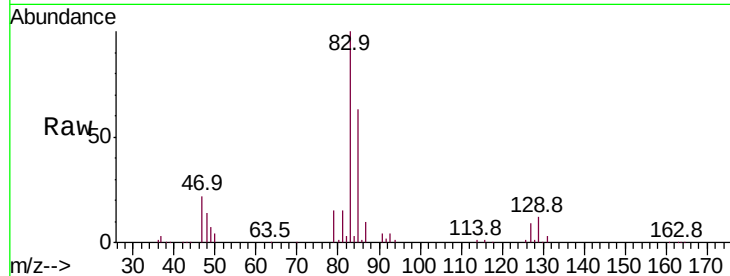
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	666350
Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.8	77.8
127	9.4	7.8	11.6

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#48

Methyl methacrylate

Concen: 65.080 ug/l

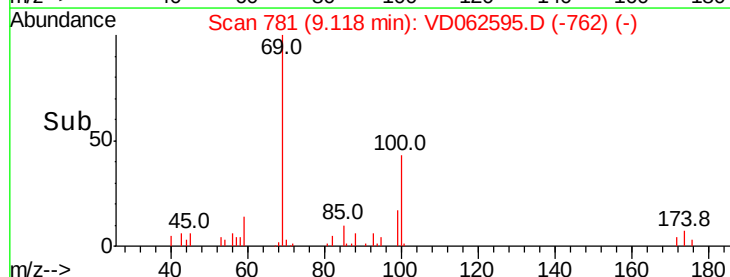
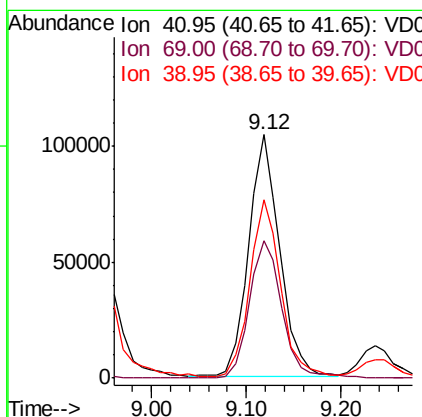
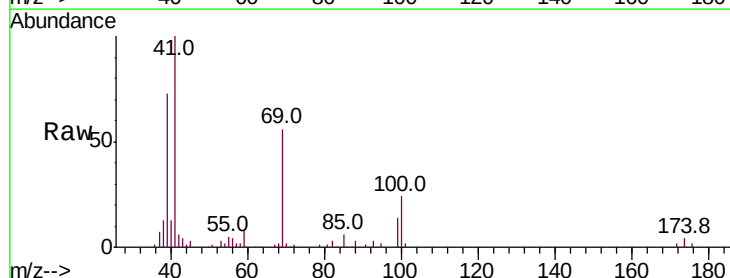
RT: 9.12 min Scan# 781

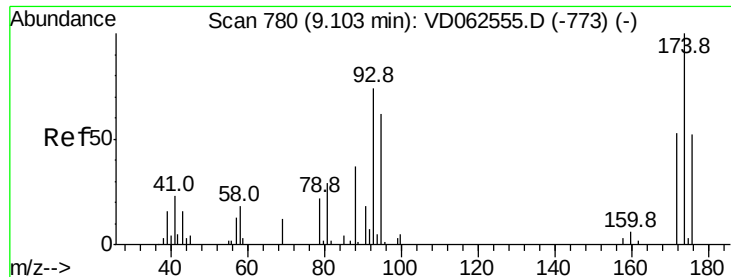
Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Tgt Ion:	41	Resp:	235123
Ion	Ratio	Lower	Upper
41	100		
69	56.5	43.6	65.4
39	73.3	58.1	87.1





#49

1,4-Dioxane

Concen: 1391.414 ug/l

RT: 9.09 min Scan# 778

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 40831

Ion Ratio Lower Upper

88 100

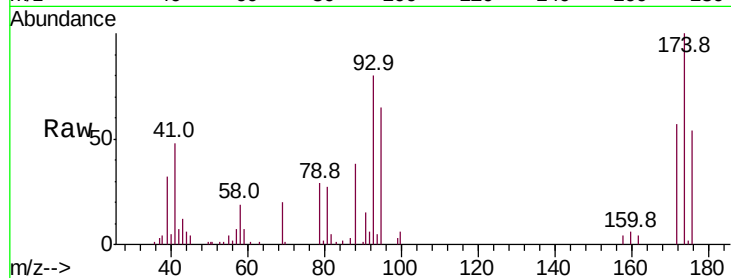
43 32.4 37.1 55.7#

58 49.7 39.3 58.9

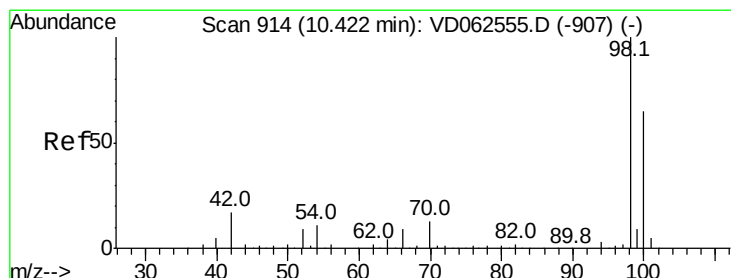
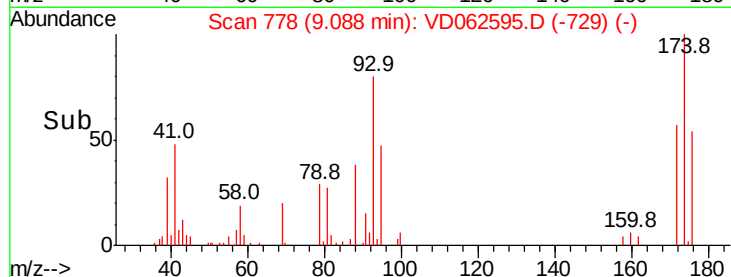
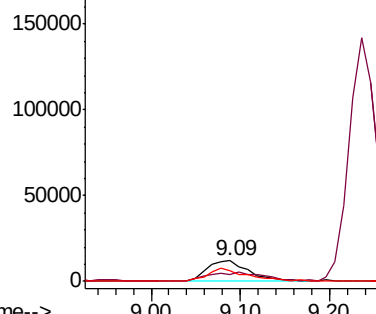
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Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 52.004 ug/l

RT: 10.41 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD062595.D

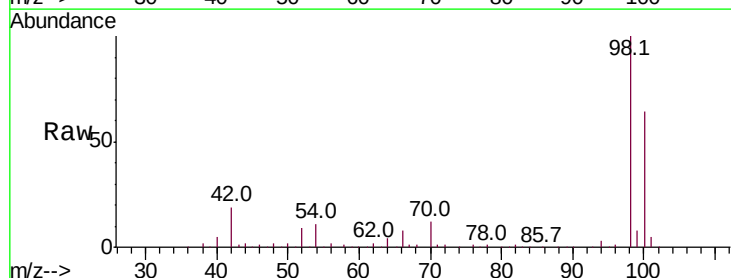
Acq: 3 Jun 2019 19:34

Tgt Ion: 98 Resp: 1078270

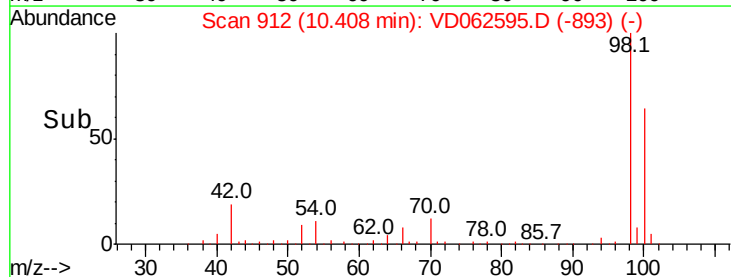
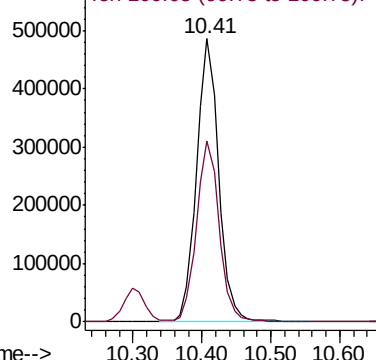
Ion Ratio Lower Upper

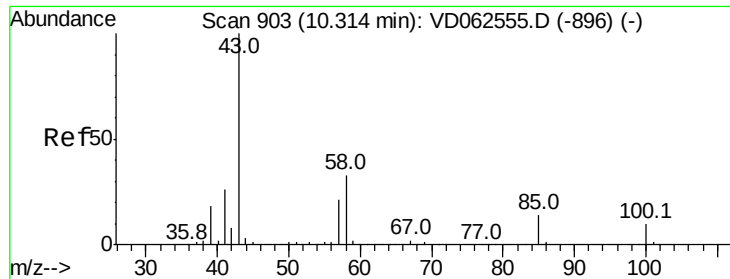
98 100

100 64.1 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: 302.311 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1144065

Ion Ratio Lower Upper

43 100

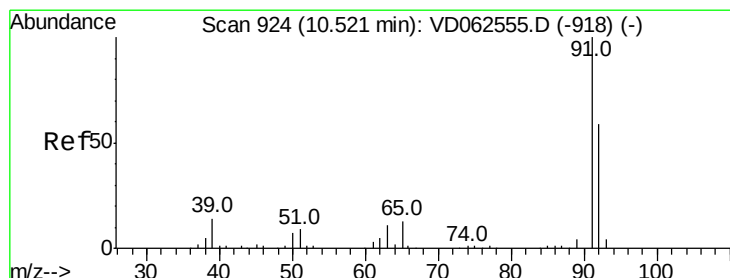
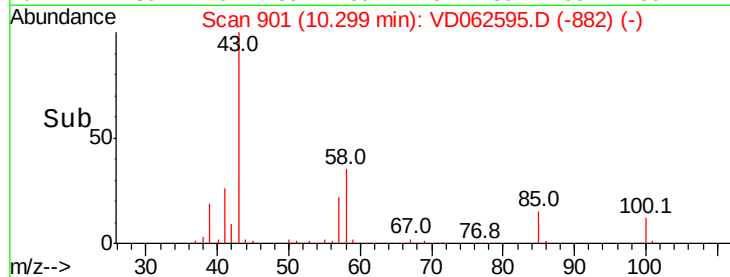
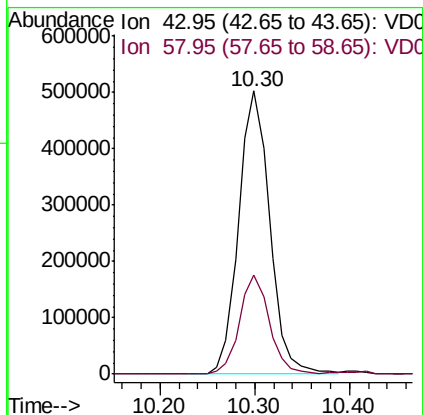
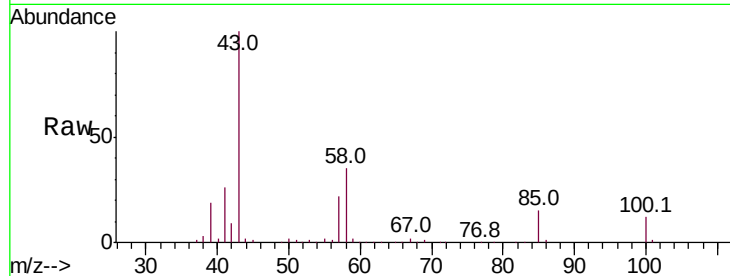
58 35.0 26.1 39.1

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#52

Toluene

Concen: 56.872 ug/l

RT: 10.51 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD062595.D

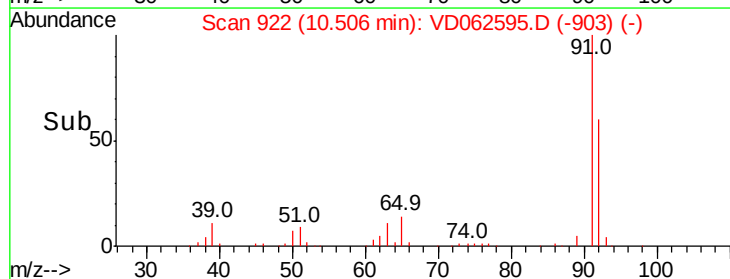
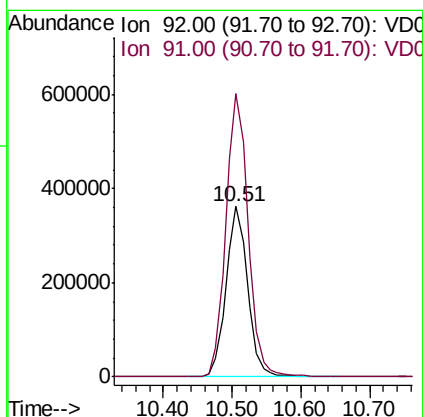
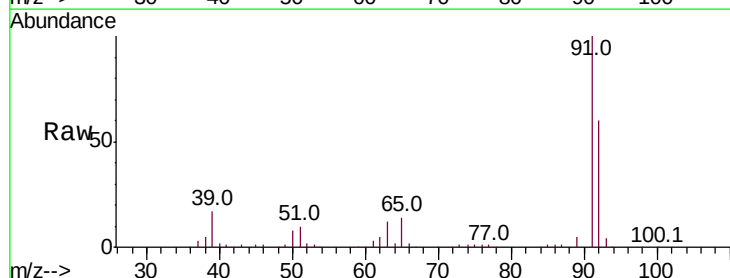
Acq: 3 Jun 2019 19:34

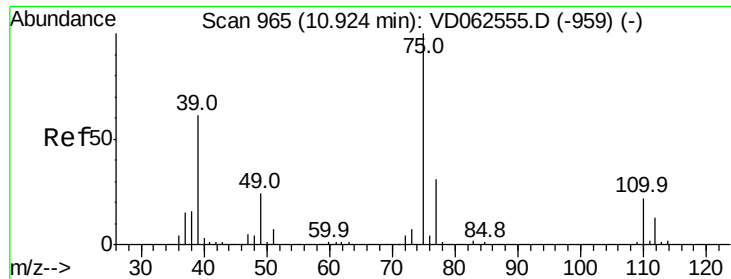
Tgt Ion: 92 Resp: 787007

Ion Ratio Lower Upper

92 100

91 166.0 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 58.144 ug/l

RT: 10.91 min Scan# 963

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 565543

Ion Ratio Lower Upper

75 100

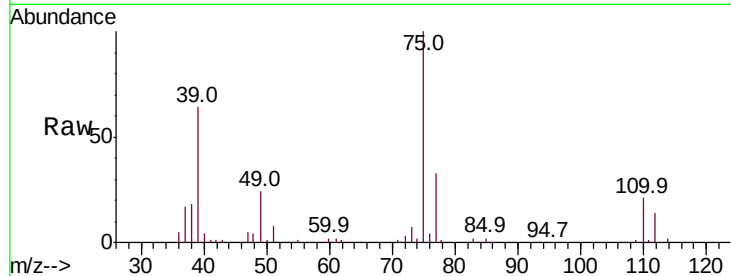
77 32.9 24.5 36.7

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.91

250000

200000

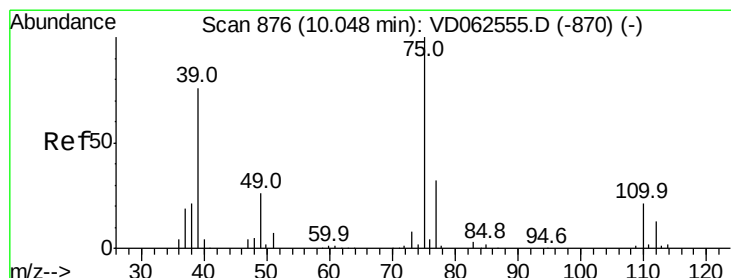
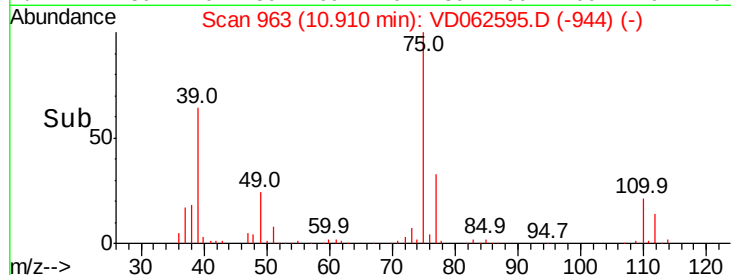
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 59.453 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

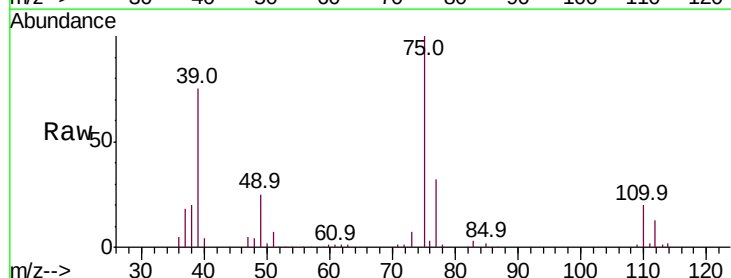
Tgt Ion: 75 Resp: 601210

Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

39 75.1 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

10.03

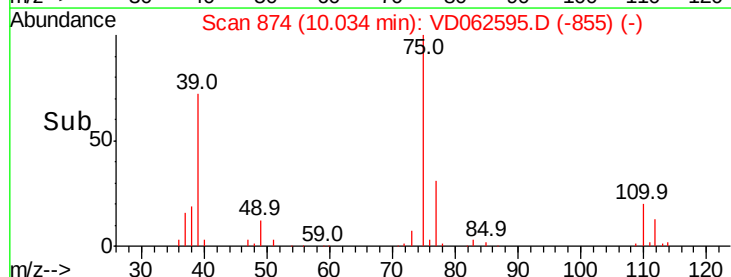
300000

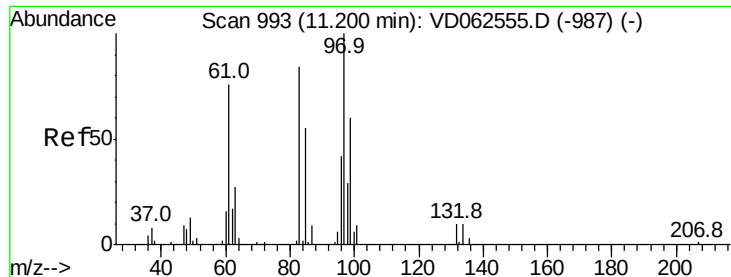
200000

100000

0

Time-->





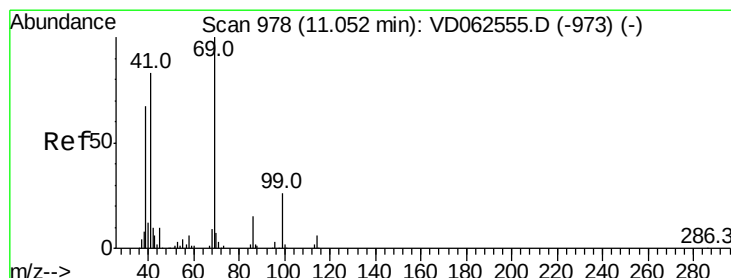
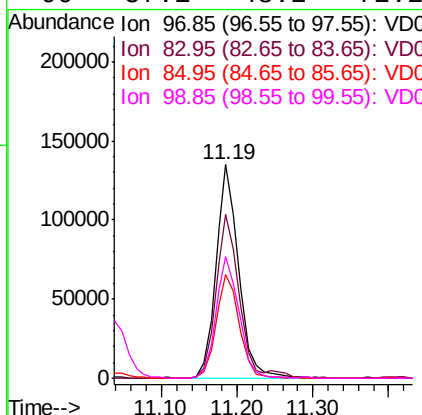
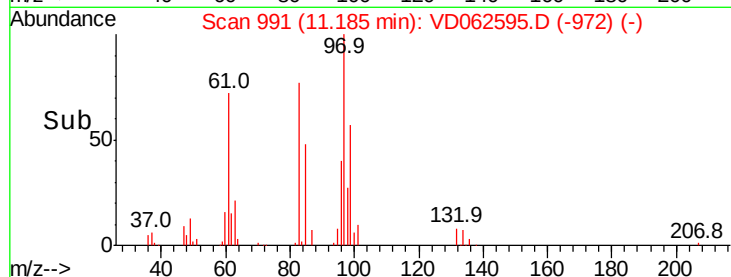
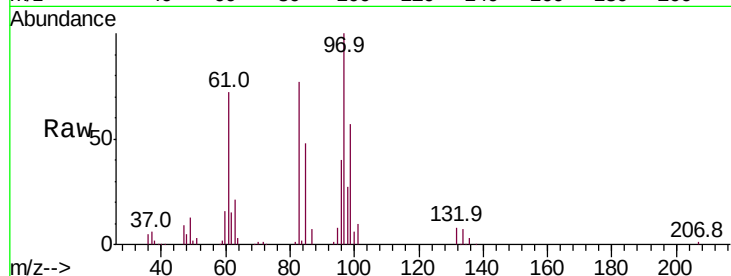
#55
1,1,2-Trichloroethane
Concen: 62.219 ug/l
RT: 11.19 min Scan# 991
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	97	Resp	282703
Ion	Ratio	Lower	Upper
97	100		
83	77.0	67.3	100.9
85	48.3	43.8	65.8
99	57.1	48.2	72.2

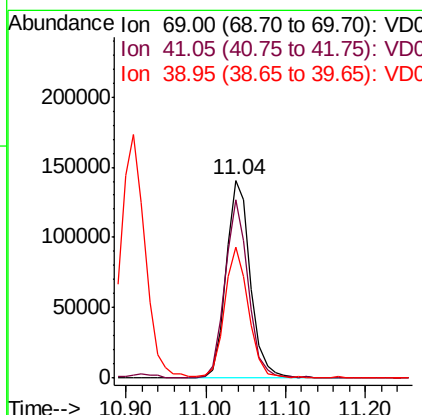
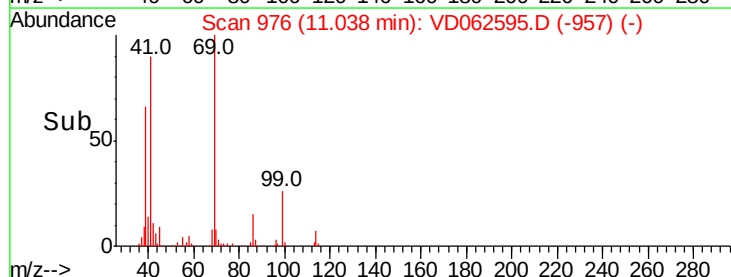
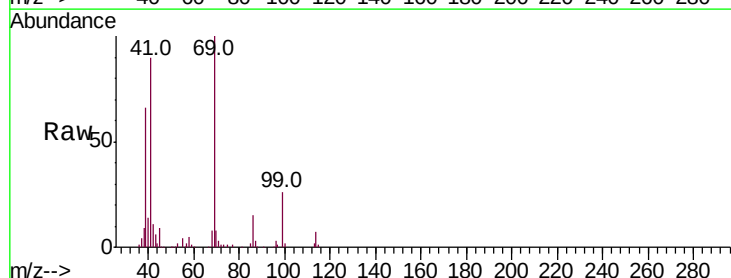
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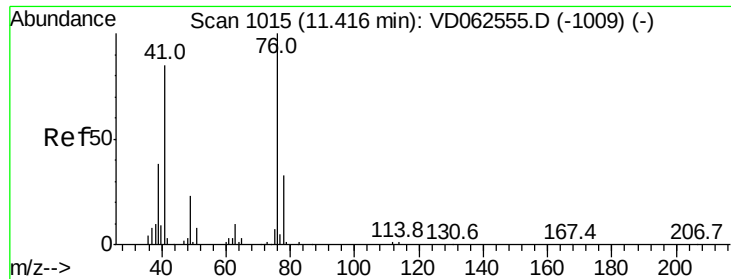
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#56
Ethyl methacrylate
Concen: 61.824 ug/l
RT: 11.04 min Scan# 976
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion	69	Resp	299406
Ion	Ratio	Lower	Upper
69	100		
41	89.9	66.1	99.1
39	66.2	54.2	81.2





#57

1,3-Dichloropropane

Concen: 61.761 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

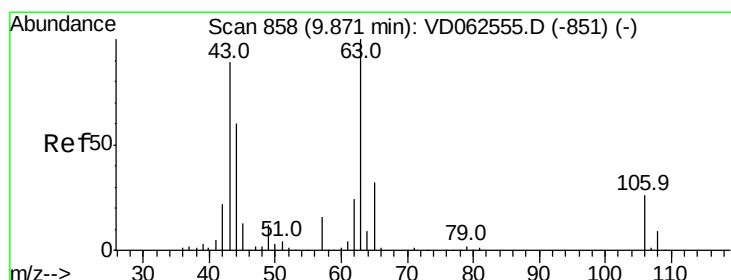
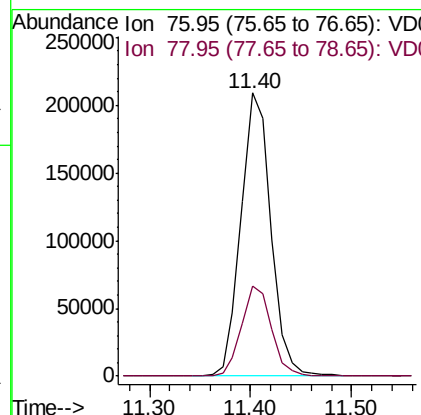
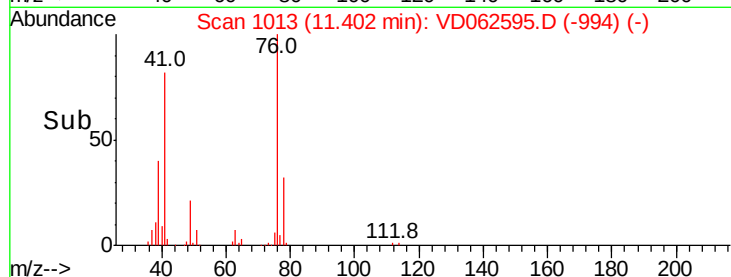
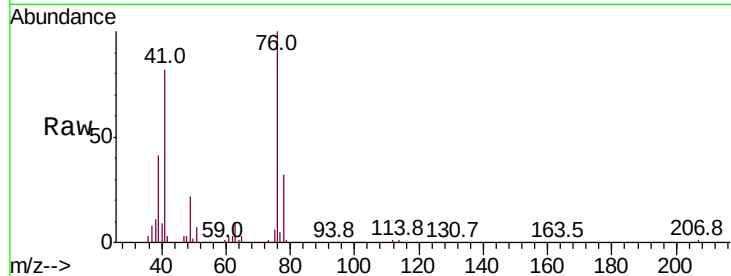
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 432602

Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.7	40.1

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 303.063 ug/l

RT: 9.86 min Scan# 856

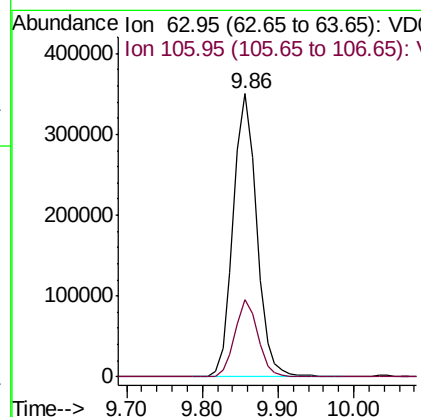
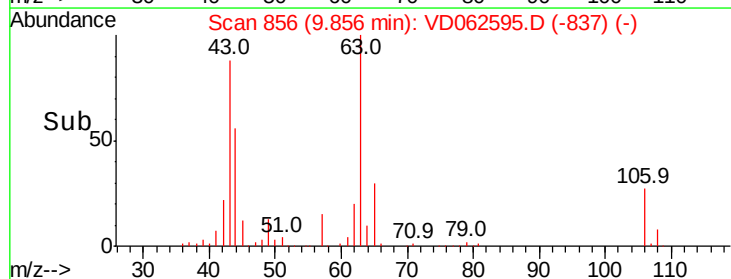
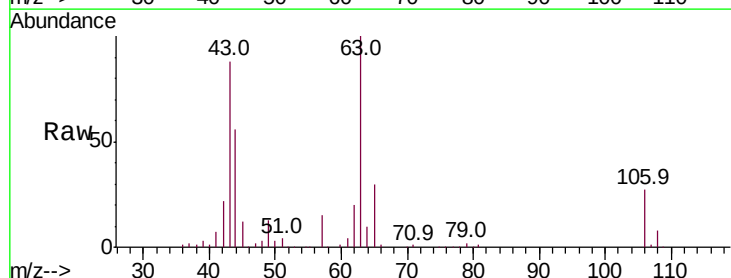
Delta R.T. -0.01 min

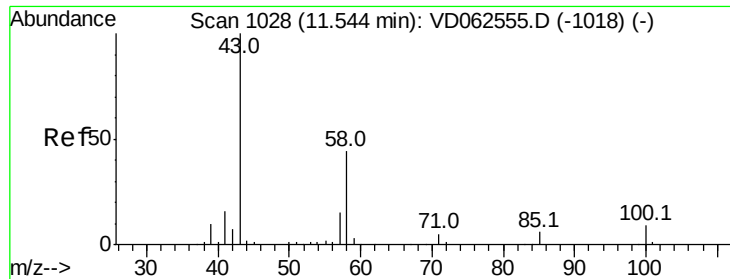
Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Tgt Ion: 63 Resp: 752739

Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.0	31.4





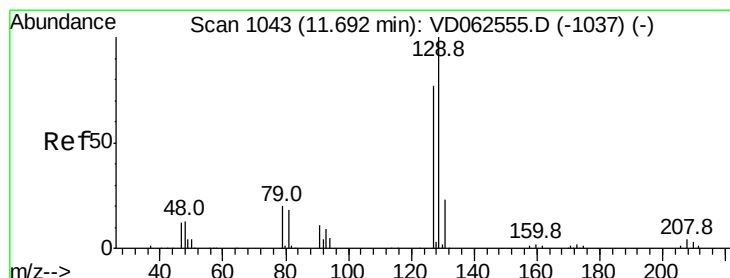
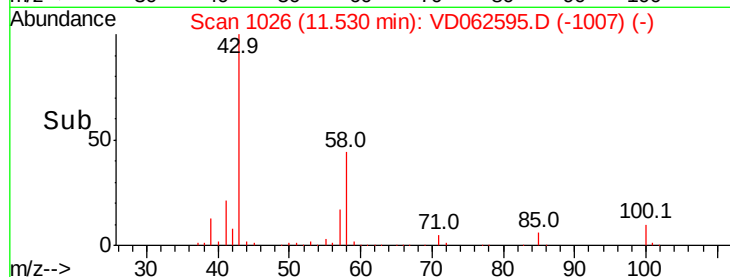
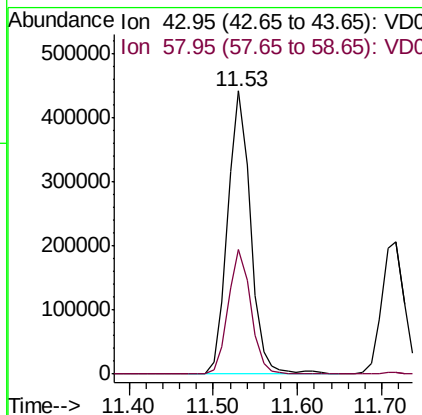
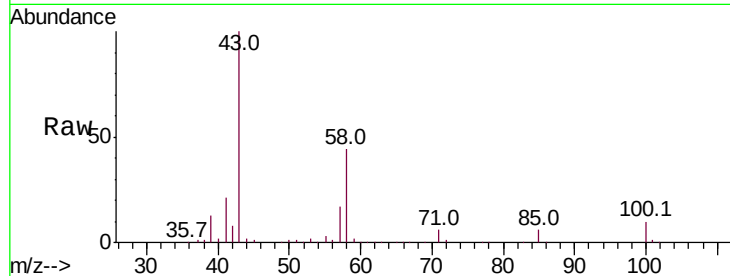
#59
2-Hexanone
Concen: 315.172 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 836613
Ion Ratio Lower Upper
43 100
58 44.2 22.0 66.0

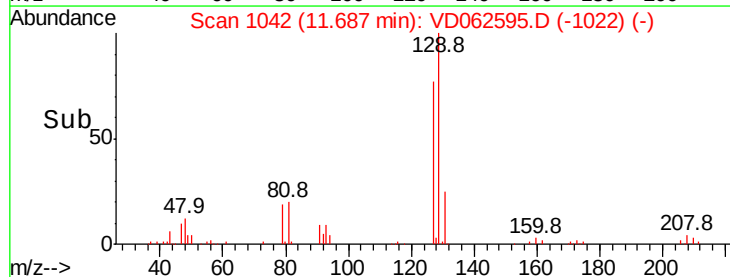
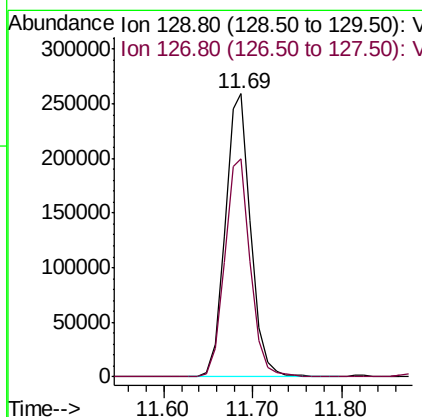
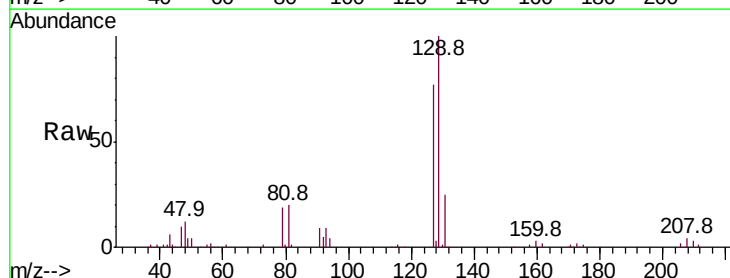
Manual Integrations
APPROVED

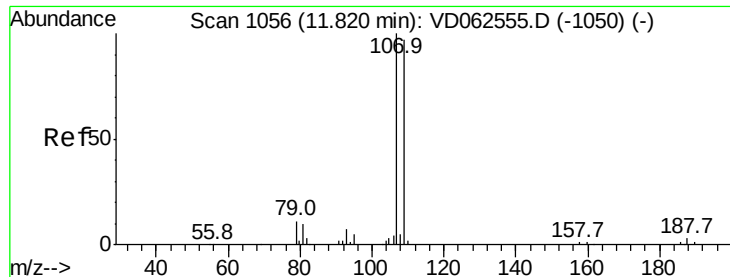
MMDadoda
6/6/2019 8:48:16 AM



#60
Dibromochloromethane
Concen: 58.902 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion: 129 Resp: 520099
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





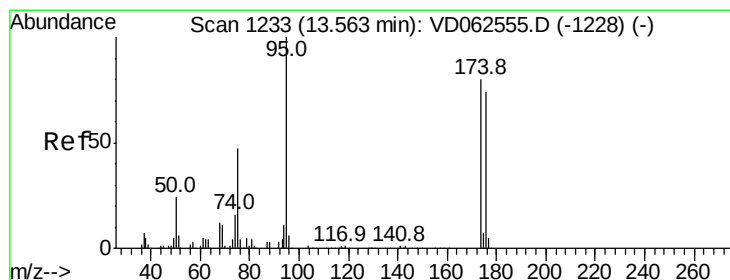
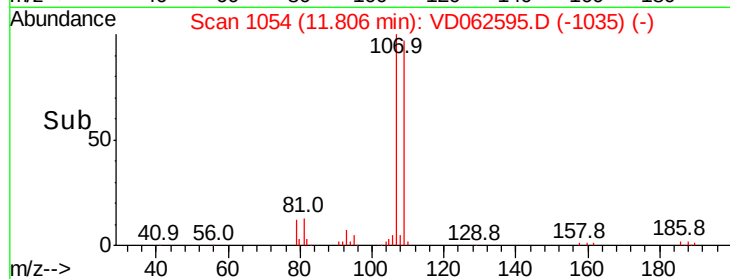
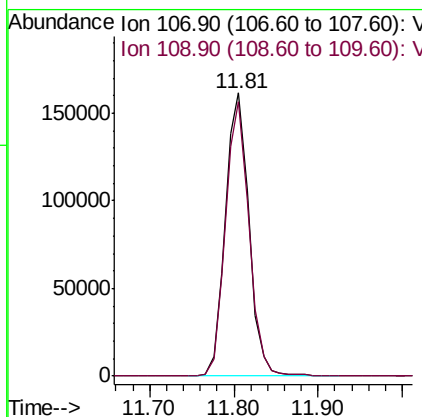
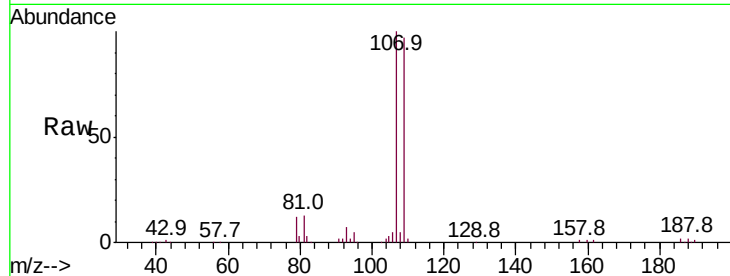
#61
 1,2-Dibromoethane
 Concen: 57.497 ug/l
 RT: 11.81 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	314275		
109	97.1	77.3	115.9	

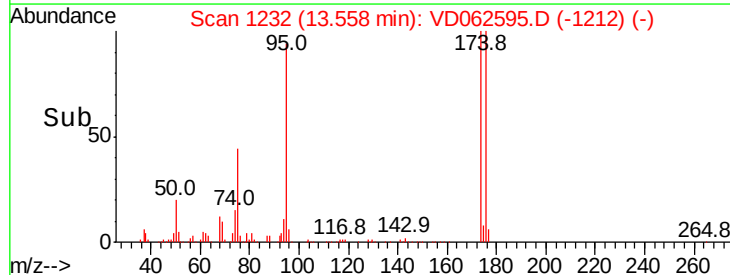
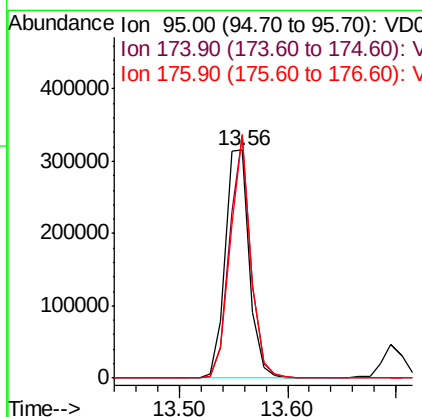
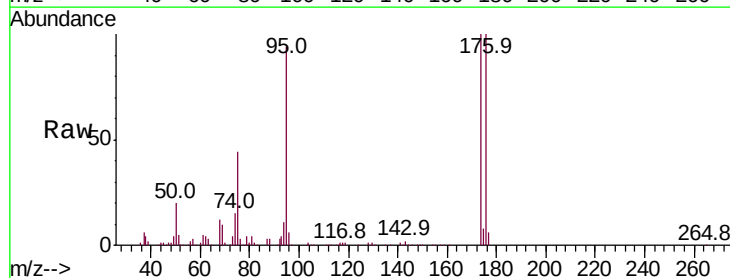
Manual Integrations
 APPROVED

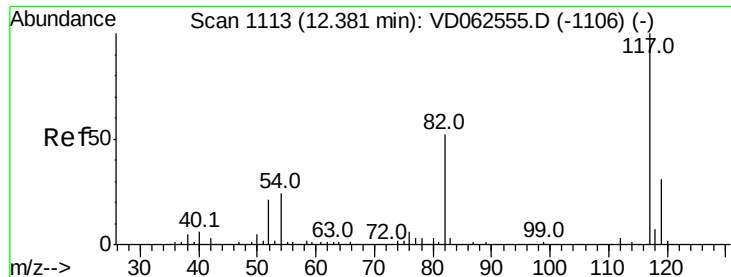
MMDadoda
 6/6/2019 8:48:16 AM



#62
 4-Bromofluorobenzene
 Concen: 52.181 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	487925		
174	106.5	0.0	160.2	
176	106.8	0.0	148.0	





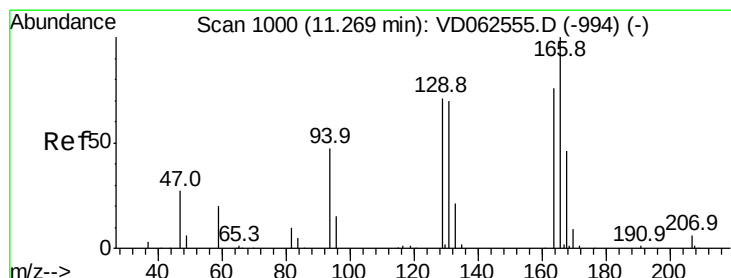
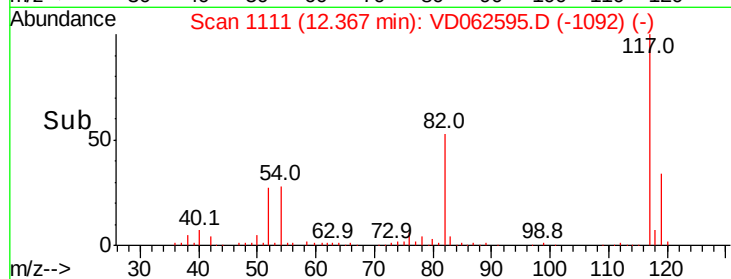
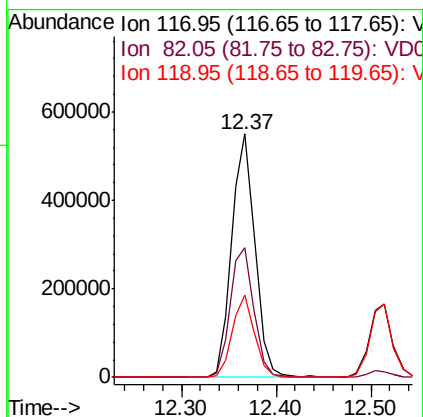
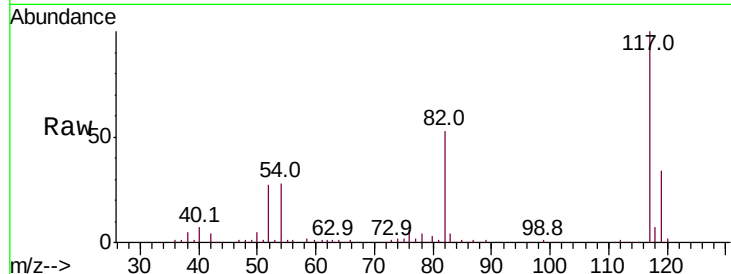
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	53.2	41.4	62.2	
119	33.6	24.9	37.3	

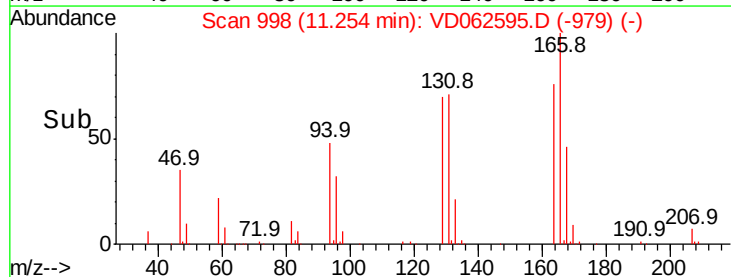
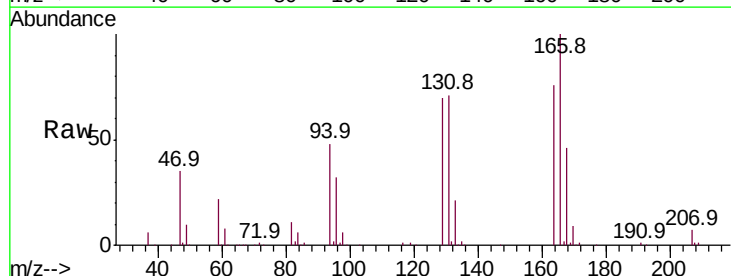
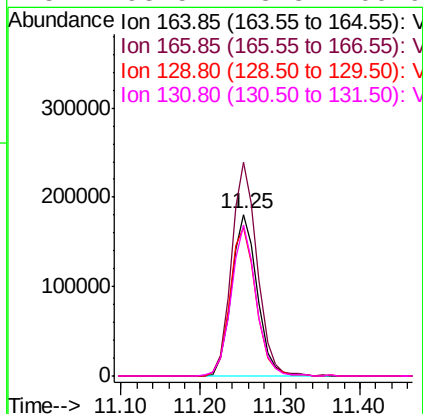
Manual Integrations
APPROVED

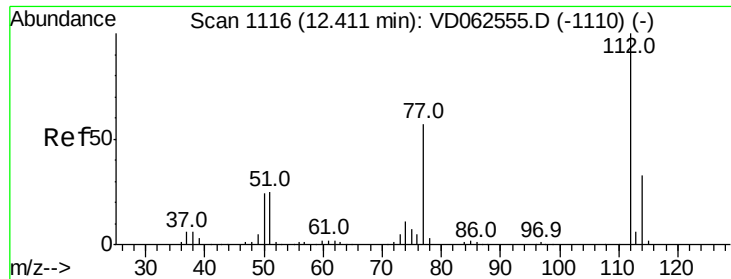
MMDadoda
6/6/2019 8:48:16 AM



#64
Tetrachloroethene
Concen: 49.114 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	132.2	105.3	157.9	
129	91.9	75.3	112.9	
131	93.5	73.3	109.9	





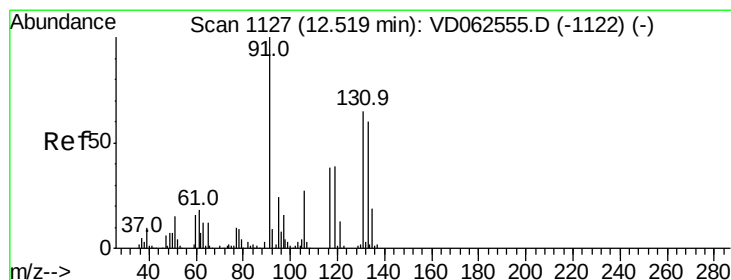
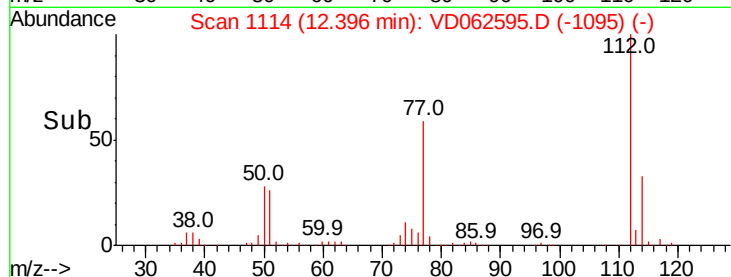
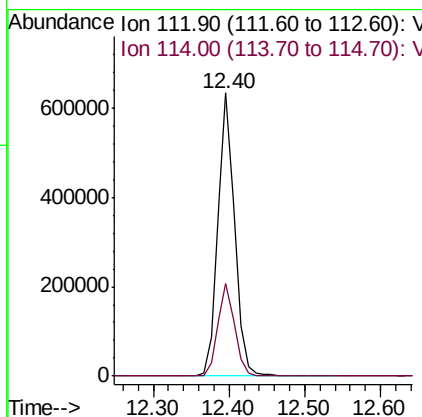
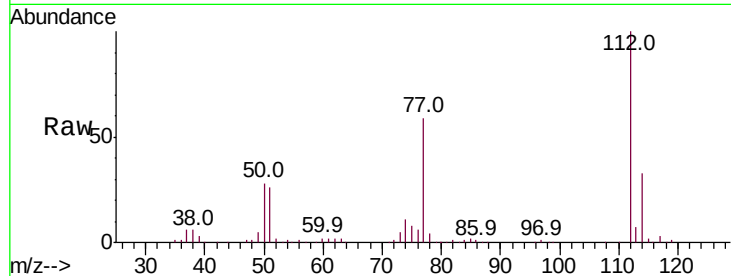
#65
Chlorobenzene
Concen: 54.408 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 990526
Ion Ratio Lower Upper
112 100
114 32.9 26.6 39.8

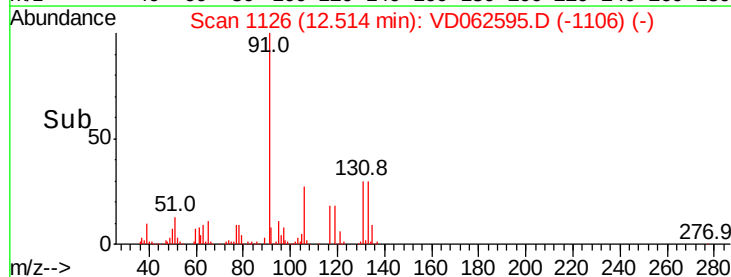
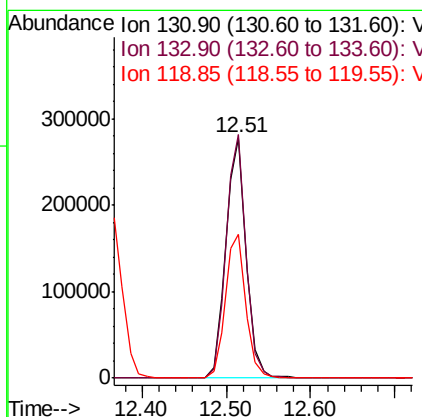
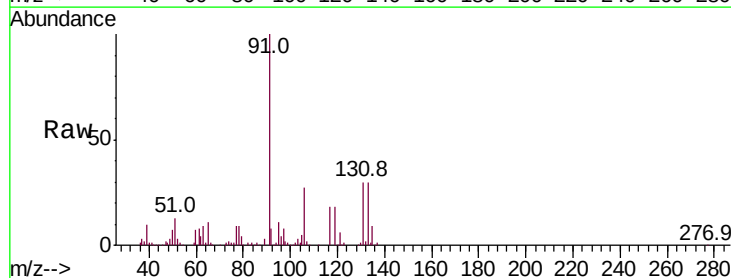
Manual Integrations
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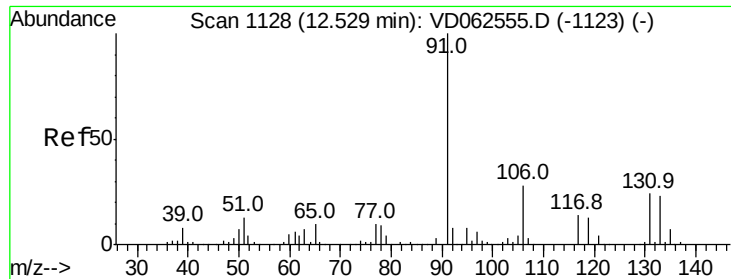
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.505 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion:131 Resp: 460670
Ion Ratio Lower Upper
131 100
133 101.5 46.2 138.6
119 60.0 29.5 88.6





#67

Ethyl Benzene

Concen: 48.968 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. -0.00 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1633335

Ion Ratio Lower Upper

91 100

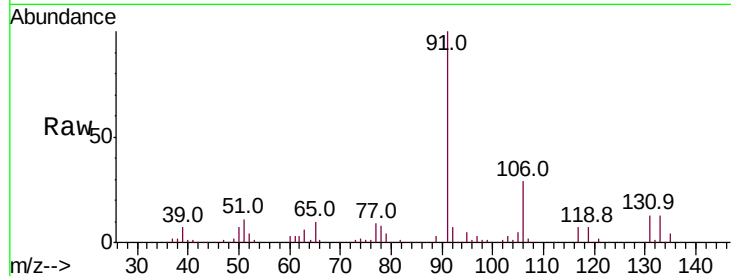
106 28.5 22.2 33.2

Manual Integrations

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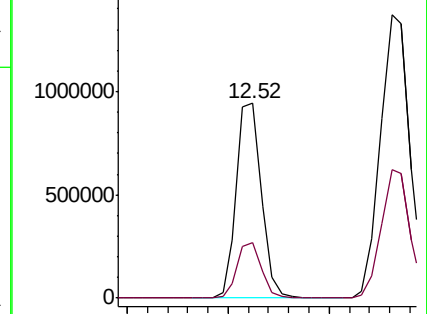
MMDadoda

6/6/2019 8:48:16 AM

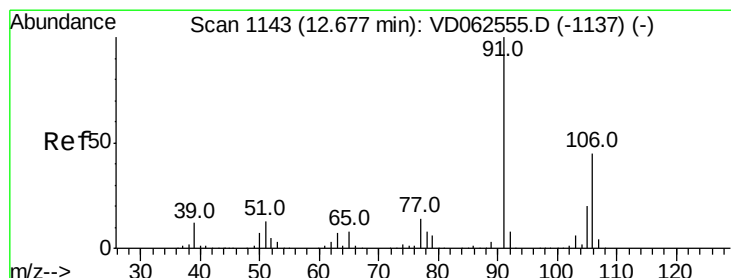
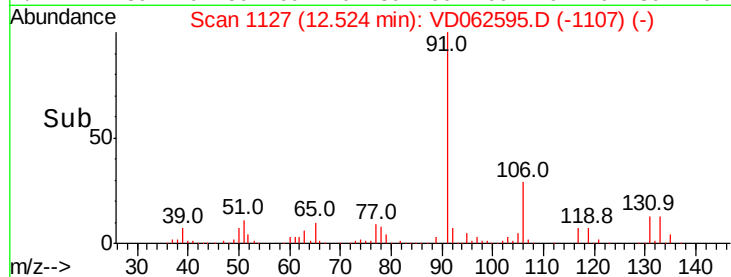


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



Time-->



#68

m/p-Xylenes

Concen: 106.277 ug/l

RT: 12.66 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VD062595.D

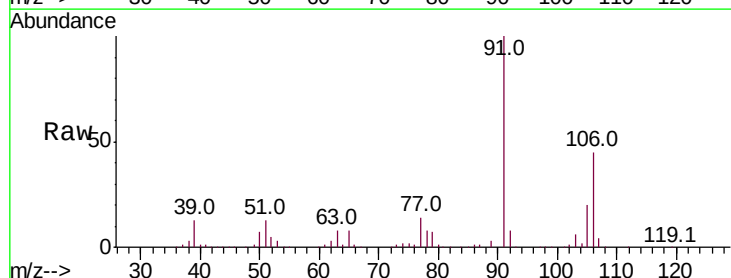
Acq: 3 Jun 2019 19:34

Tgt Ion:106 Resp: 1226286

Ion Ratio Lower Upper

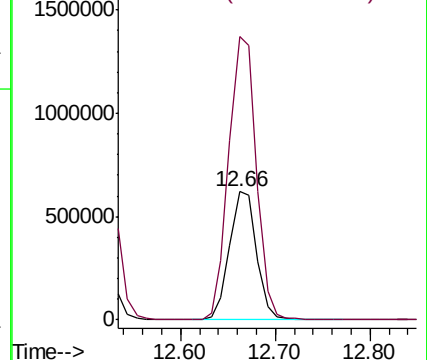
106 100

91 220.5 178.9 268.3

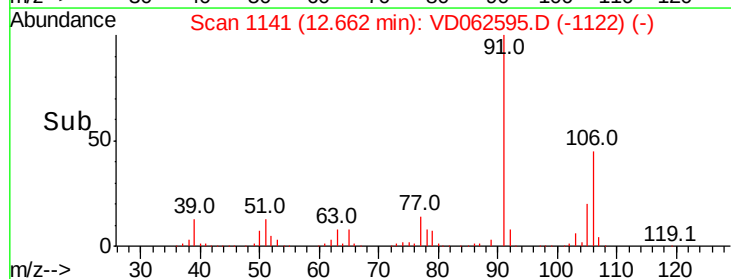


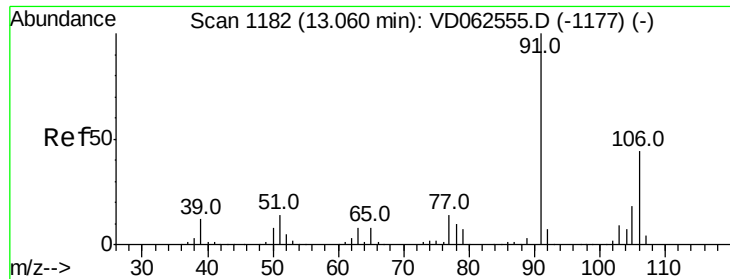
Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V



Time-->





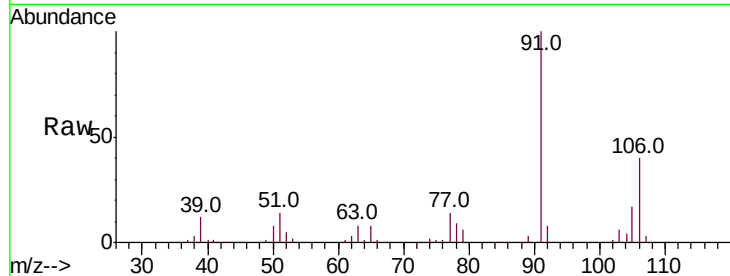
#69
o-Xylene
Concen: 48.634 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

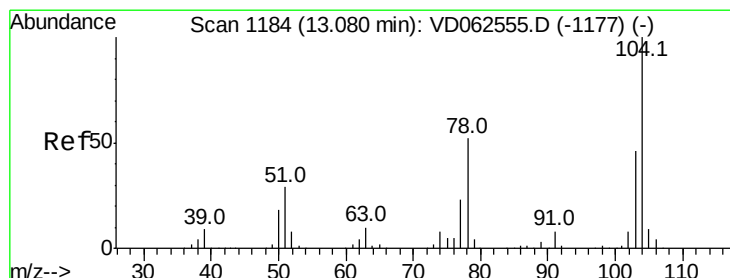
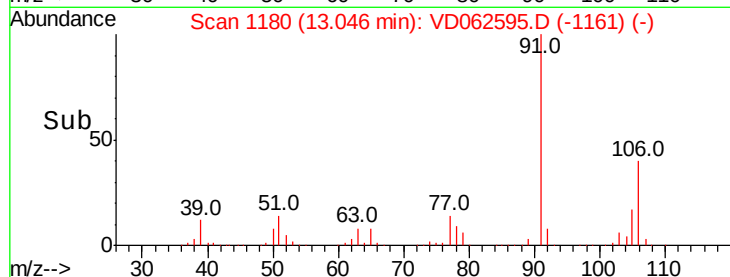
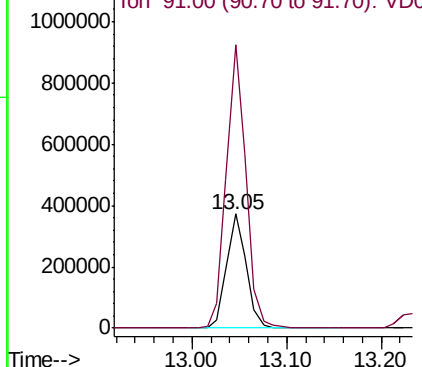
Tot Ion:106 Resp: 535317
Ion Ratio Lower Upper
106 100
91 248.6 113.9 341.8

Manual Integrations
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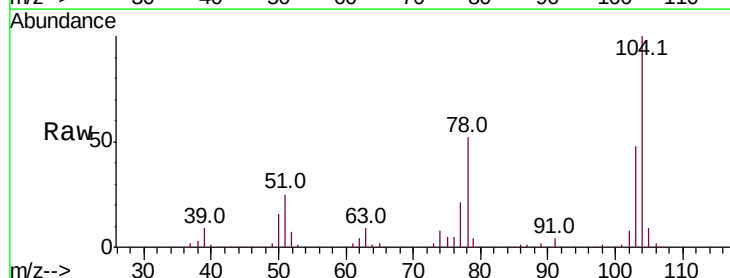


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

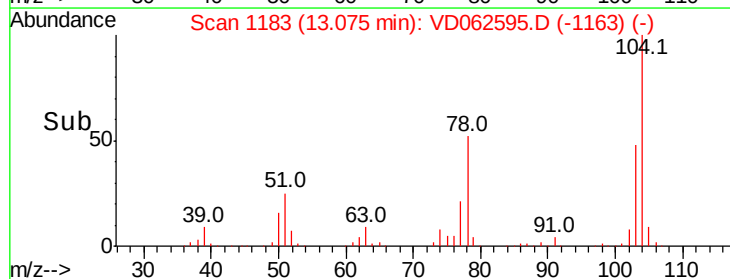
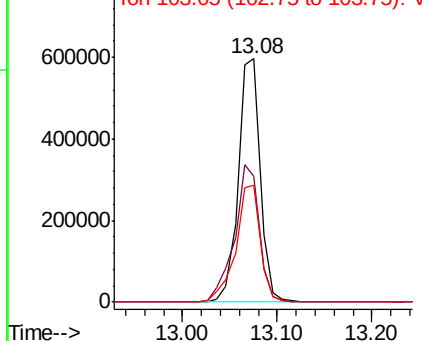


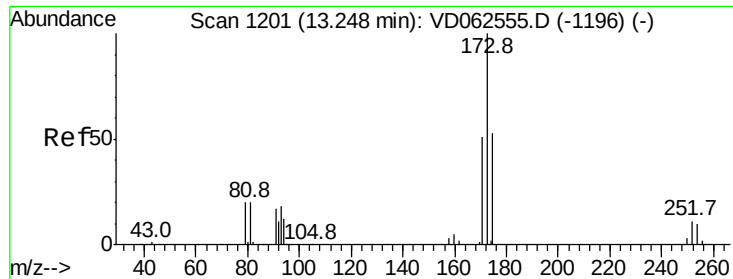
#70
Styrene
Concen: 51.322 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion:104 Resp: 959188
Ion Ratio Lower Upper
104 100
78 51.6 41.5 62.3
103 47.9 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





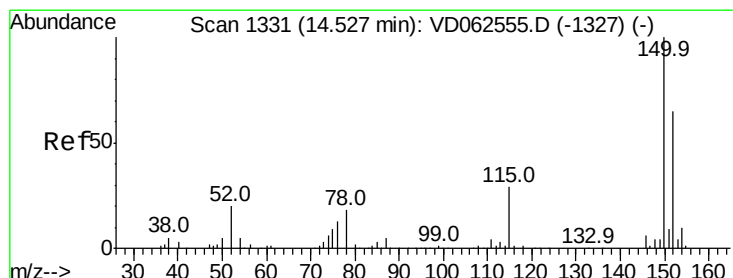
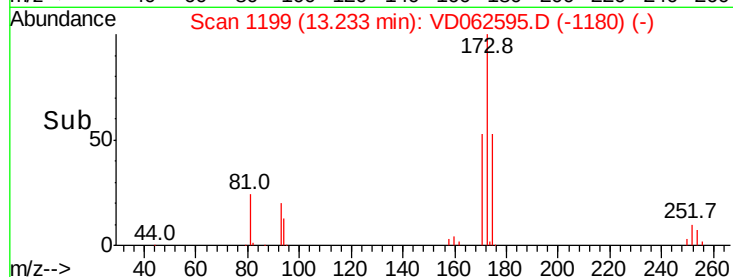
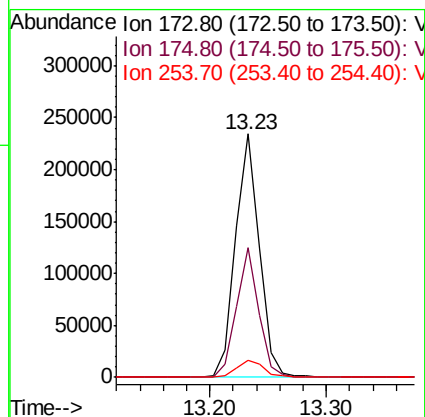
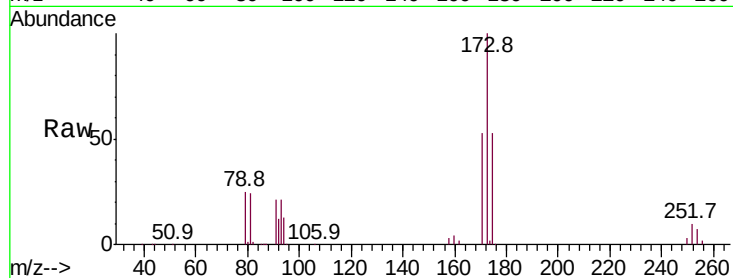
#71
Bromoform
Concen: 54.989 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	53.2	26.6	79.7
254	7.2	8.1	12.1#

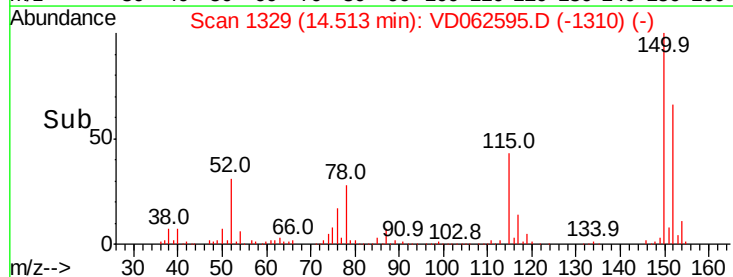
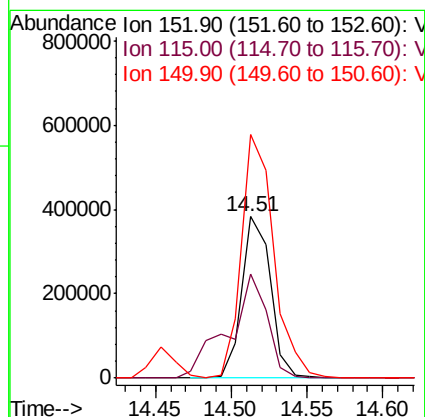
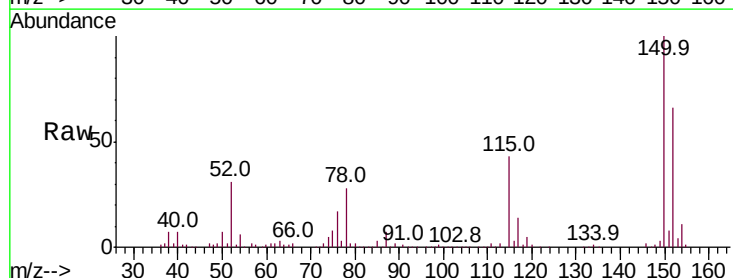
Manual Integrations
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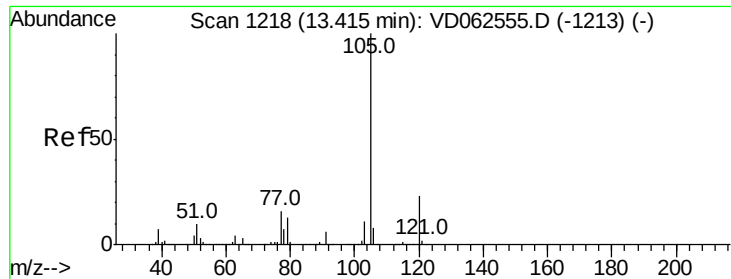
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.4	28.4	85.3
150	150.7	0.0	310.4





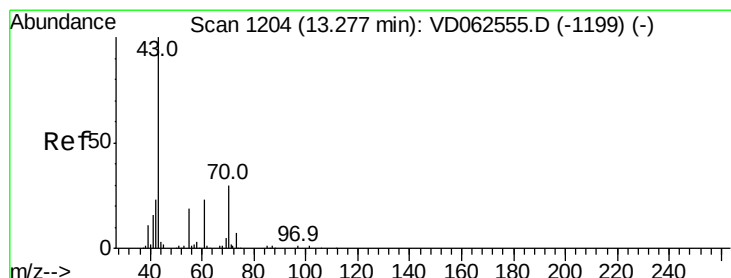
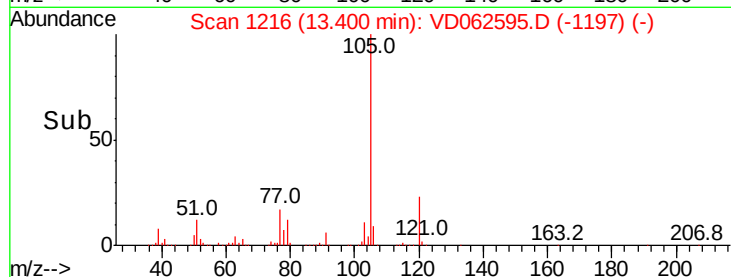
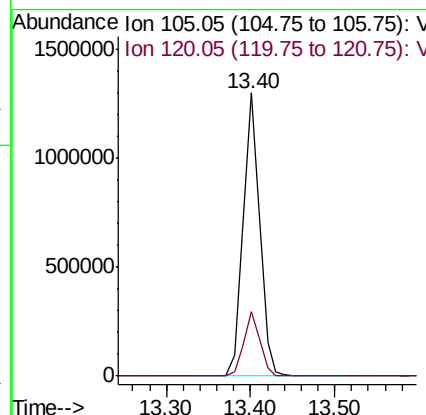
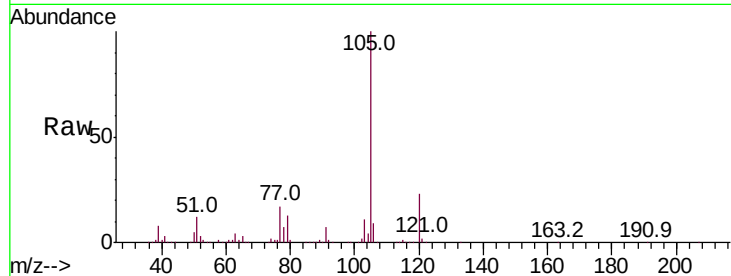
#73
Isopropylbenzene
Concen: 53.401 ug/l
RT: 13.40 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1774252
Ion Ratio Lower Upper
105 100
120 22.9 11.6 34.8

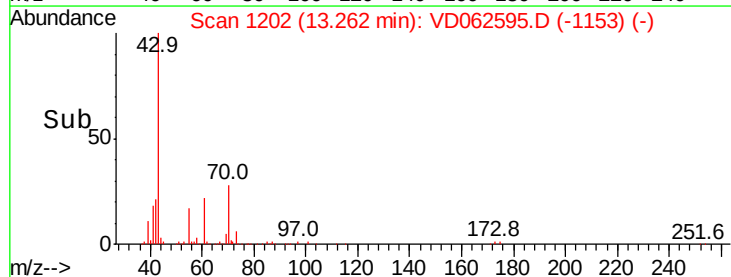
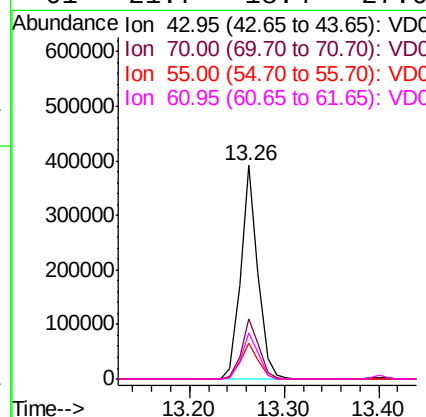
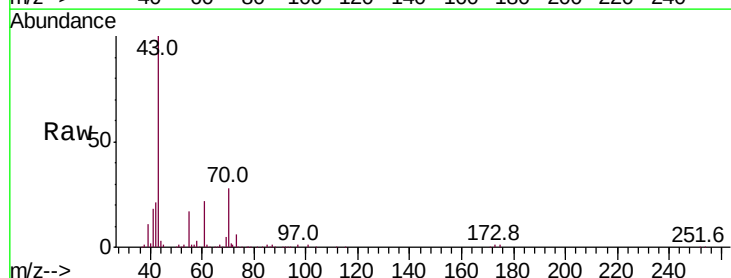
Manual Integrations
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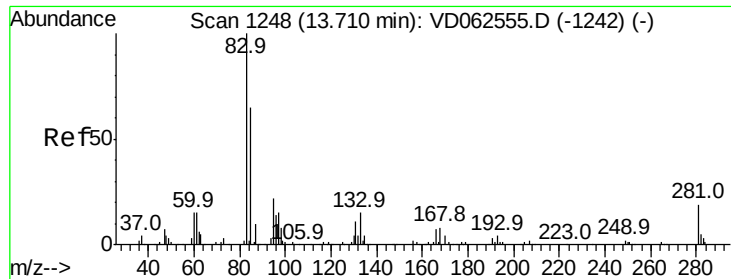
MMDadoda
6/6/2019 8:48:16 AM



#74
N-ethyl acetate
Concen: 57.708 ug/l
RT: 13.26 min Scan# 1202
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion: 43 Resp: 488883
Ion Ratio Lower Upper
43 100
70 28.0 23.7 35.5
55 17.0 15.0 22.4
61 21.7 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 60.466 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 318618
Ion Ratio Lower Upper

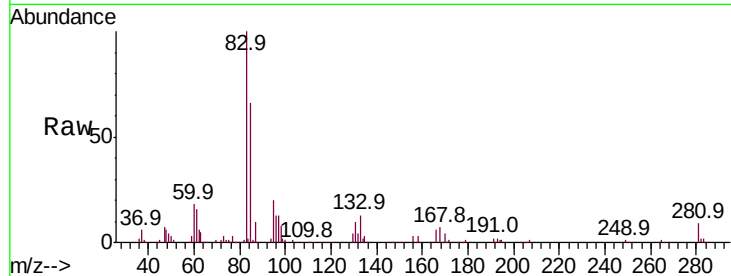
83 100

131 10.3 5.7 17.1

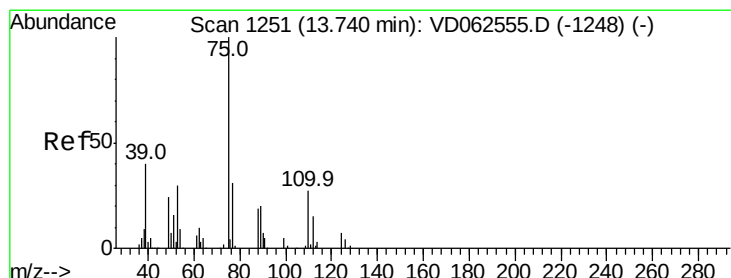
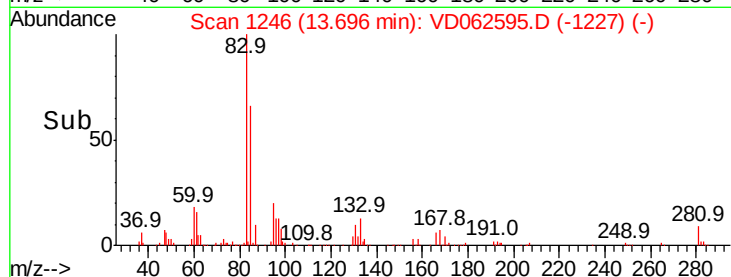
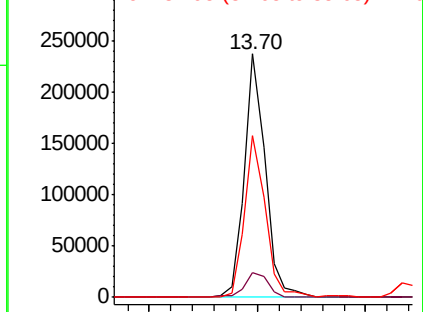
85 66.5 32.6 97.8

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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: 58.238 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

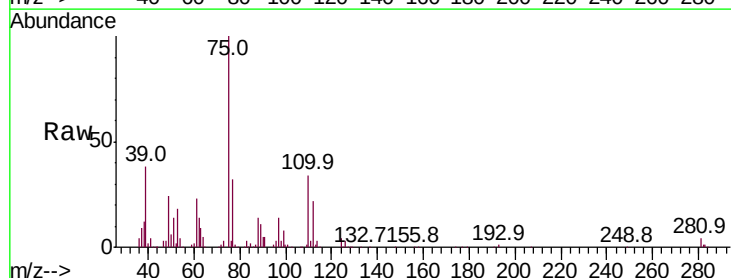
Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

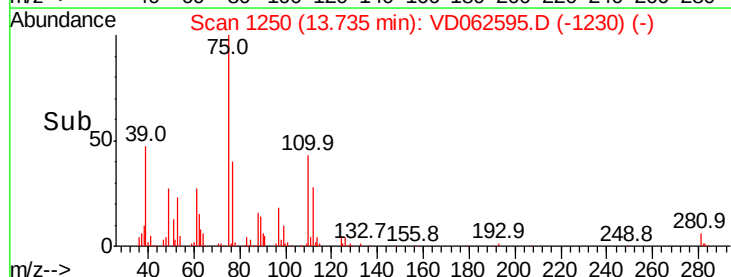
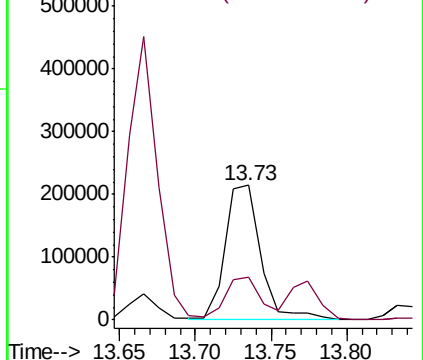
Tgt Ion: 75 Resp: 352126
Ion Ratio Lower Upper

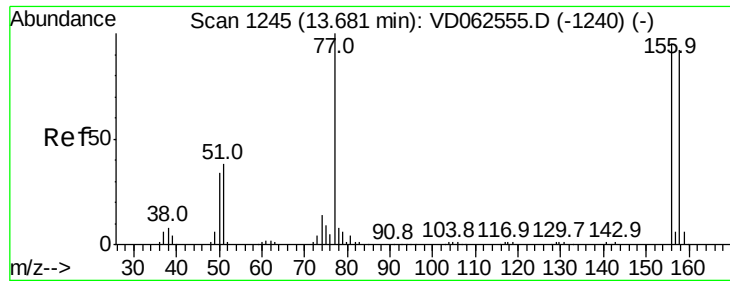
75 100

77 32.0 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: 53.523 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 487577

Ion Ratio Lower Upper

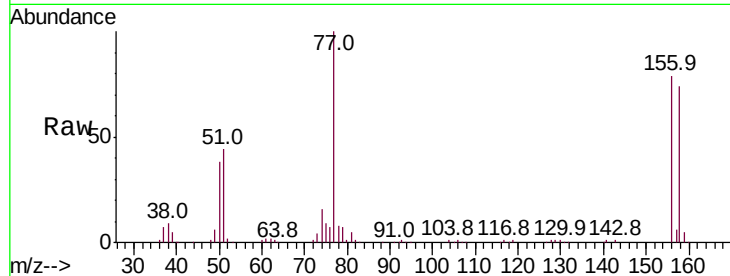
156 100

77 126.7 52.9 158.7

158 93.2 48.5 145.5

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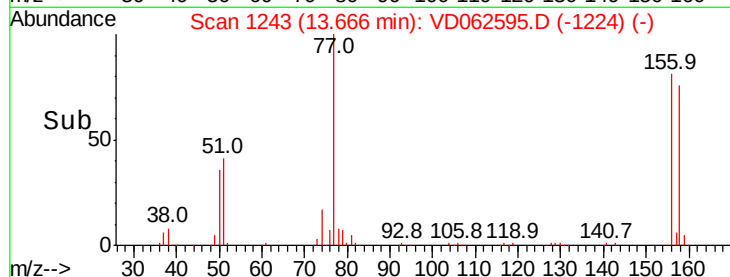


Abundance Ion 155.90 (155.60 to 156.60): V

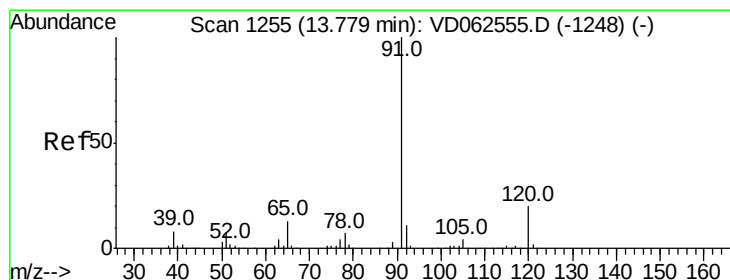
Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V

Time-->



Time-->



#78

n-propylbenzene

Concen: 53.636 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD062595.D

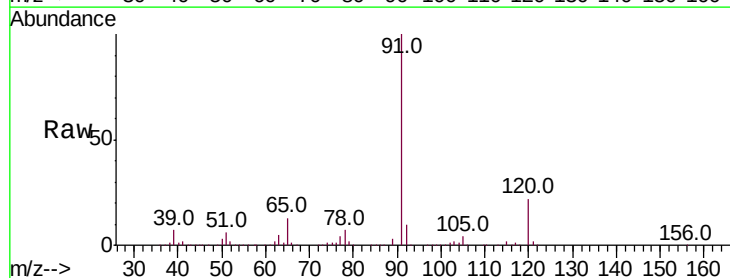
Acq: 3 Jun 2019 19:34

Tgt Ion: 91 Resp: 2054063

Ion Ratio Lower Upper

91 100

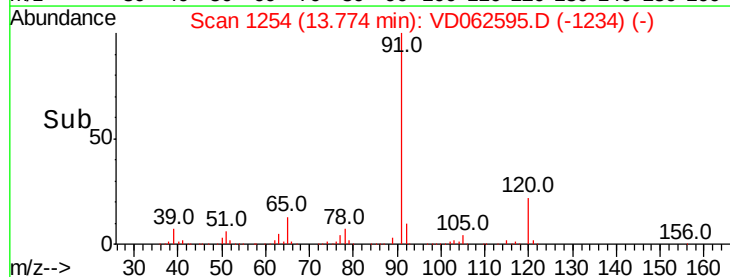
120 21.9 10.0 29.8



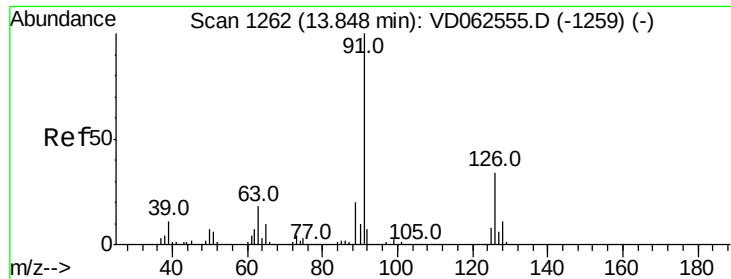
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

Time-->



Time-->



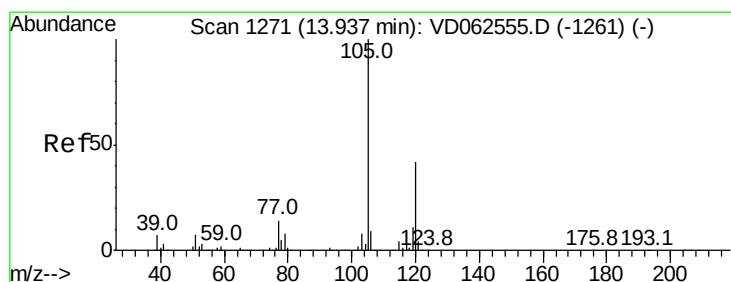
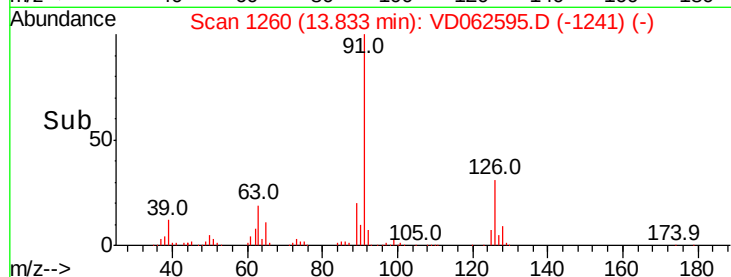
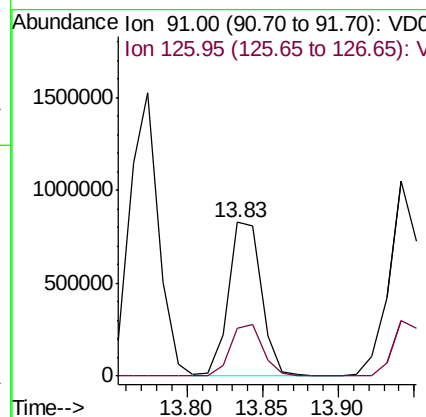
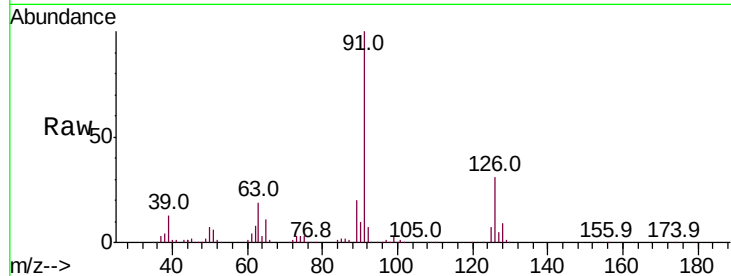
#79
2-Chlorotoluene
Concen: 56.754 ug/l
RT: 13.83 min Scan# 1260
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1260273
Ion Ratio Lower Upper
91 100
126 31.0 16.7 50.1

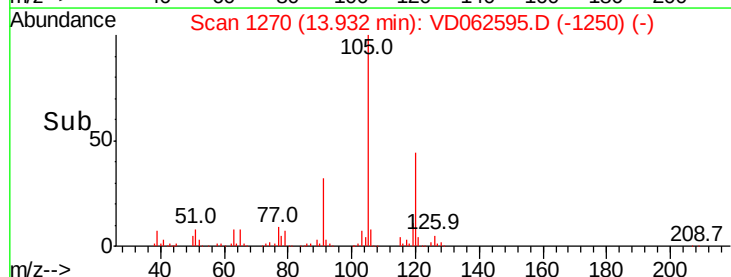
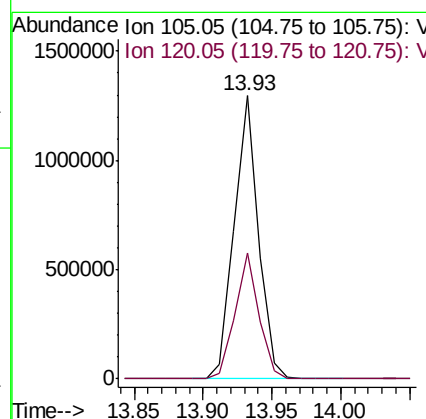
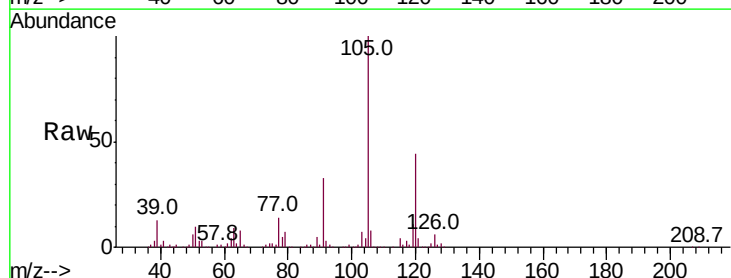
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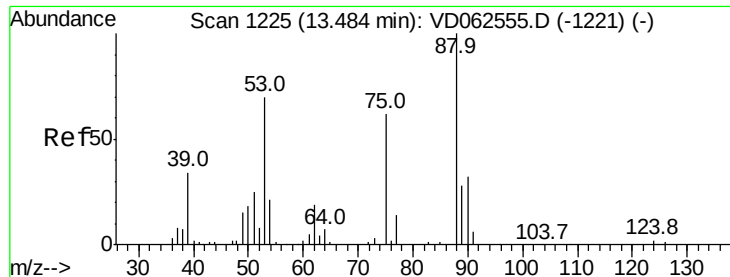
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#80
1,3,5-Trimethylbenzene
Concen: 55.862 ug/l
RT: 13.93 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion:105 Resp: 1585976
Ion Ratio Lower Upper
105 100
120 44.5 20.8 62.5





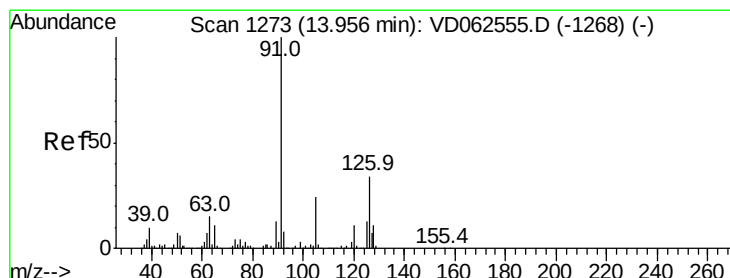
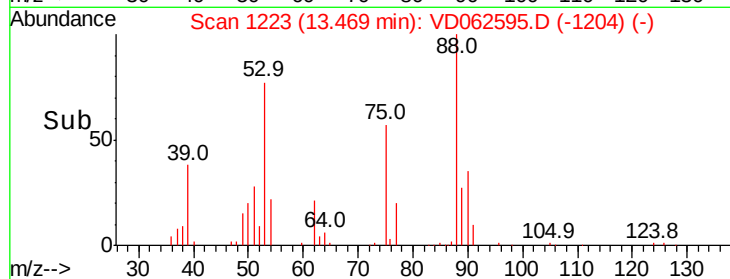
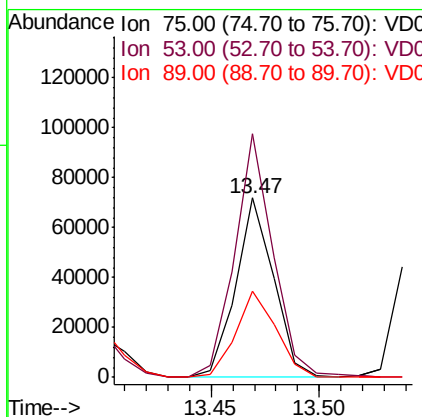
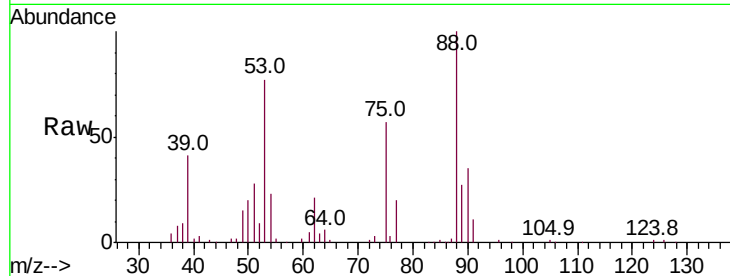
#81
trans-1,4-Dichloro-2-butene
Concen: 51.073 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	135.7	91.0	136.4
89	48.1	36.9	55.3

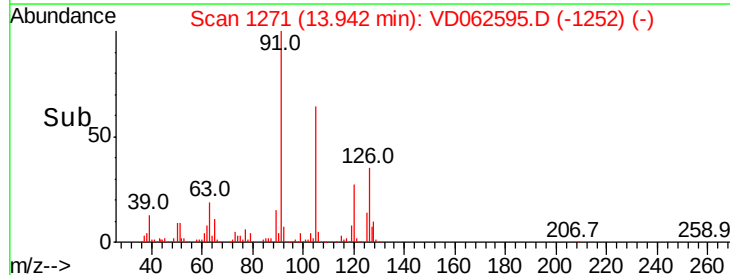
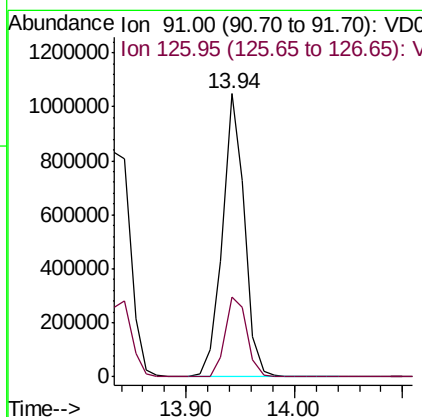
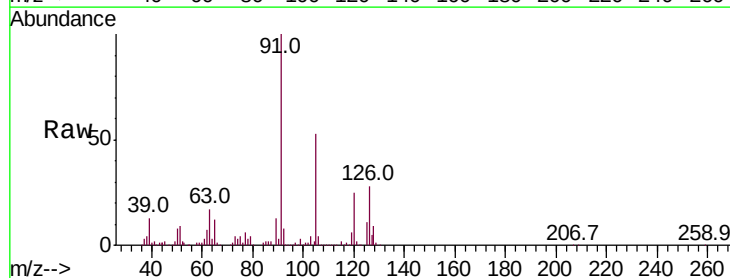
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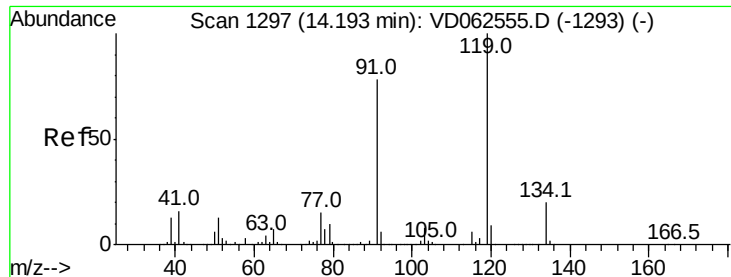
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#82
4-Chlorotoluene
Concen: 55.305 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.3	16.9	50.7





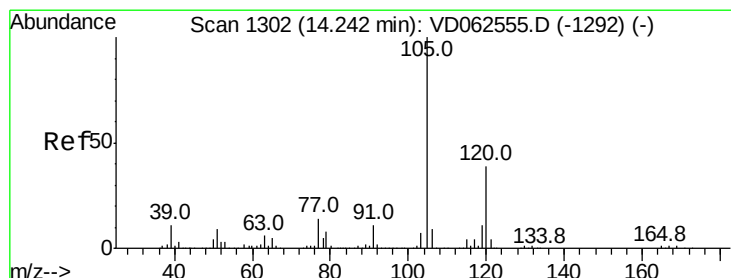
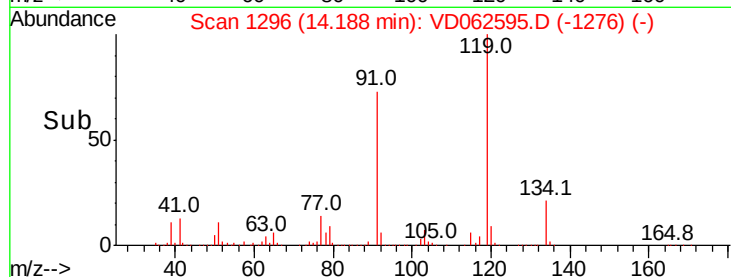
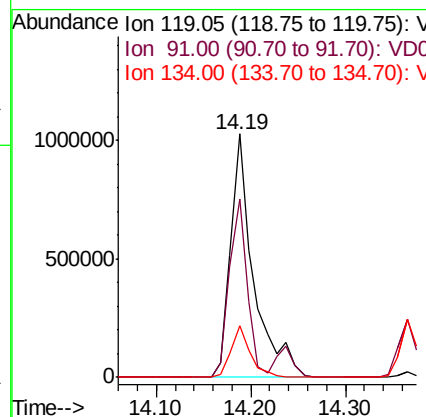
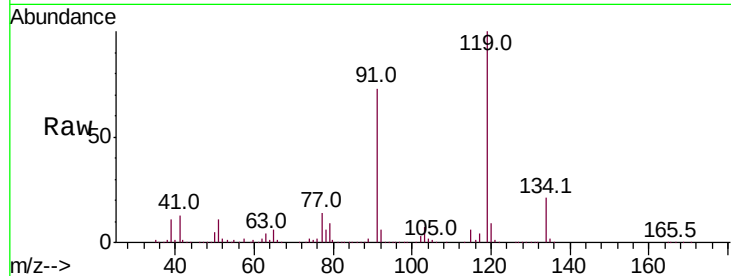
#83
tert-Butylbenzene
Concen: 54.297 ug/l
RT: 14.19 min Scan# 1296
Delta R.T. -0.00 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 1720105
Ion Ratio Lower Upper
119 100
91 73.4 39.1 117.5
134 21.1 10.1 30.3

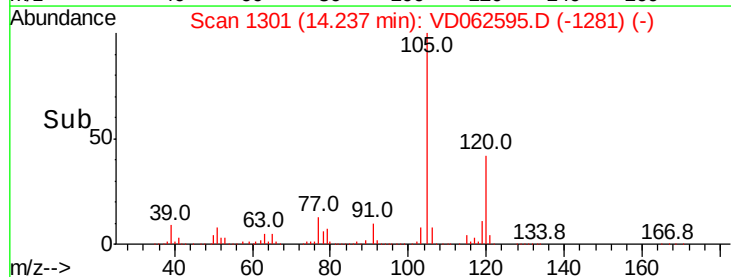
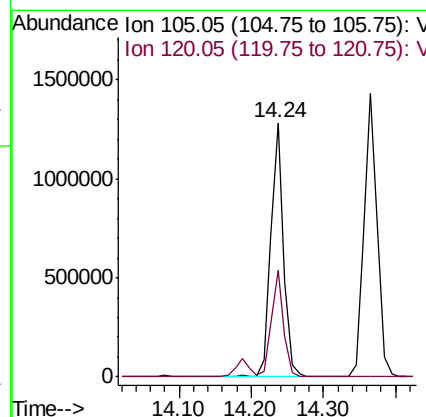
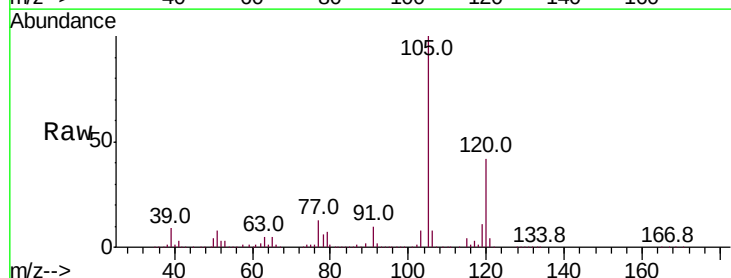
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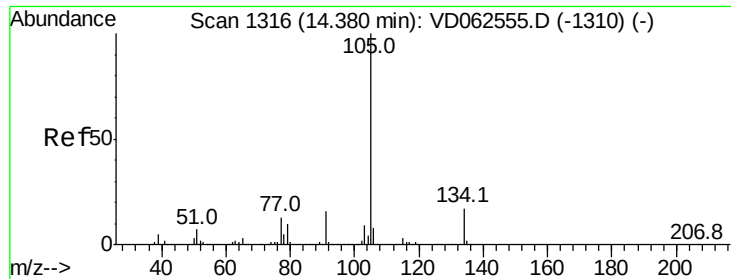
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#84
1,2,4-Trimethylbenzene
Concen: 54.409 ug/l
RT: 14.24 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion:105 Resp: 1574040
Ion Ratio Lower Upper
105 100
120 42.2 19.6 58.8





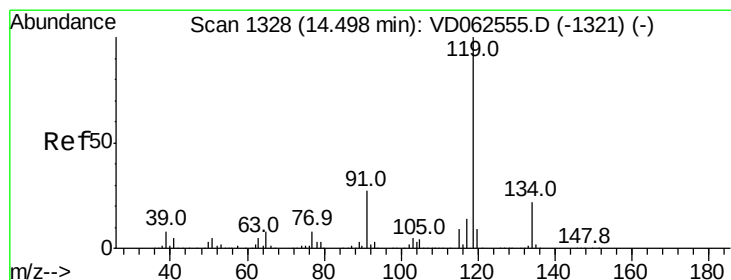
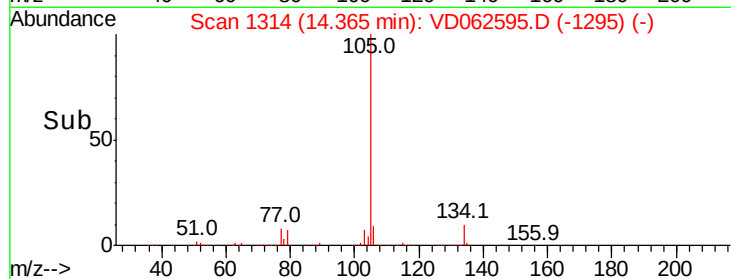
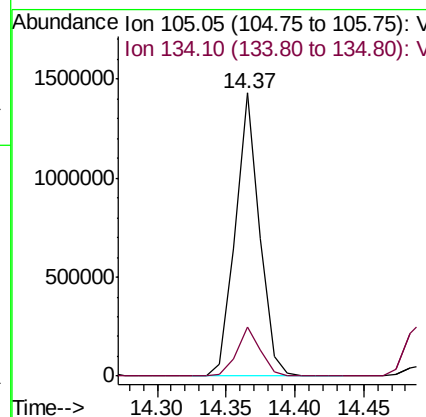
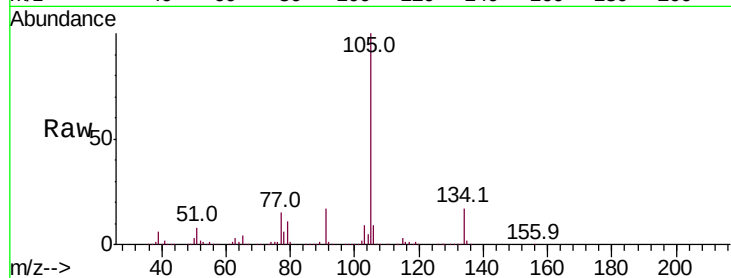
#85
 sec-Butylbenzene
 Concen: 52.021 ug/l
 RT: 14.37 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1745786
 Ion Ratio Lower Upper
 105 100
 134 17.2 8.7 26.1

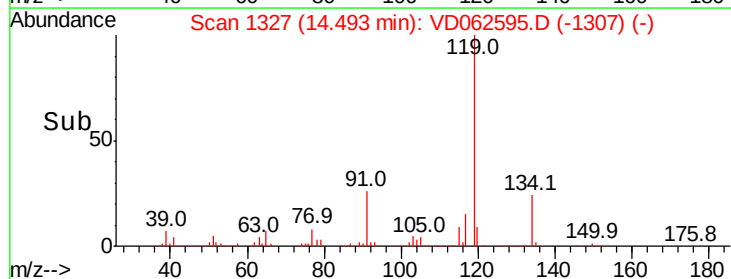
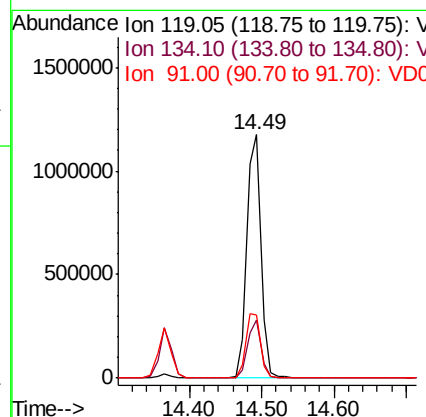
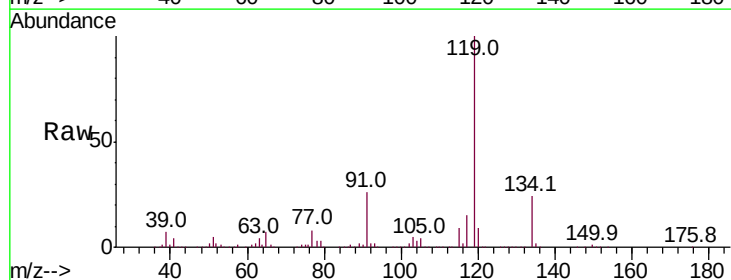
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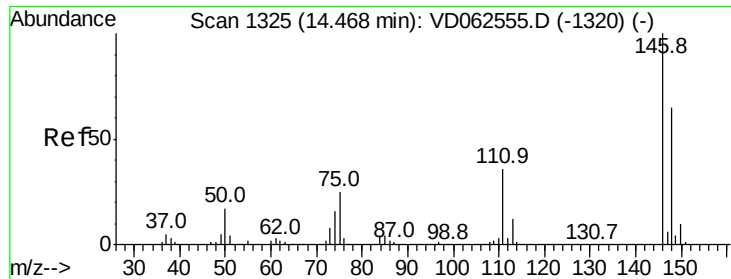
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#86
 p-Isopropyltoluene
 Concen: 51.667 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Tgt Ion:119 Resp: 1619941
 Ion Ratio Lower Upper
 119 100
 134 23.9 11.2 33.6
 91 25.8 13.6 40.7





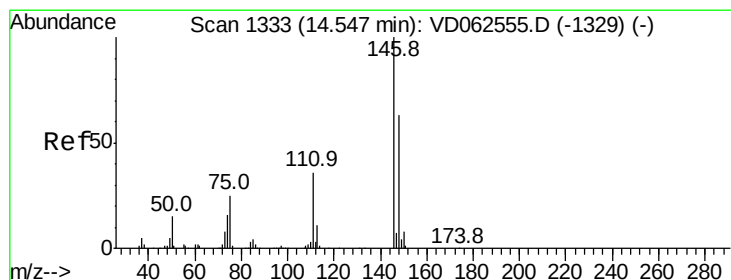
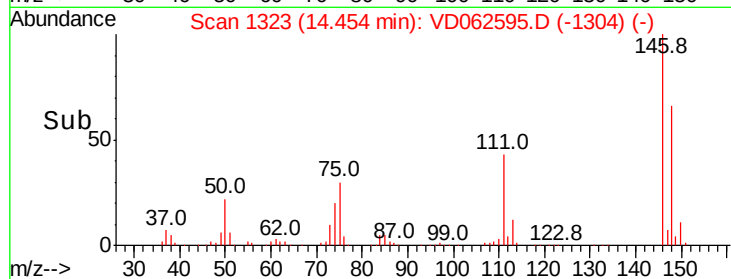
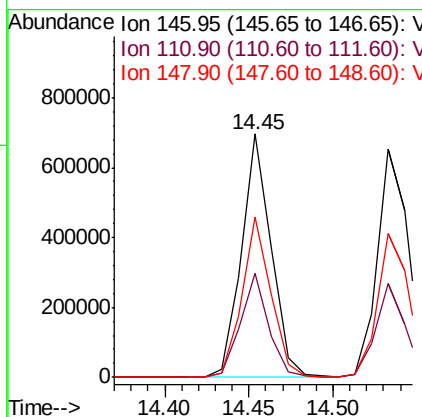
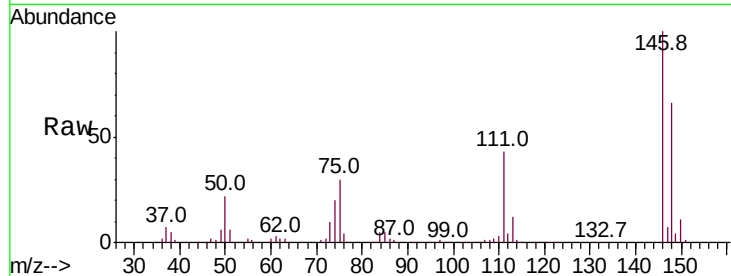
#87
 1,3-Dichlorobenzene
 Concen: 53.616 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	18.1	54.4
148	65.7	32.3	96.9

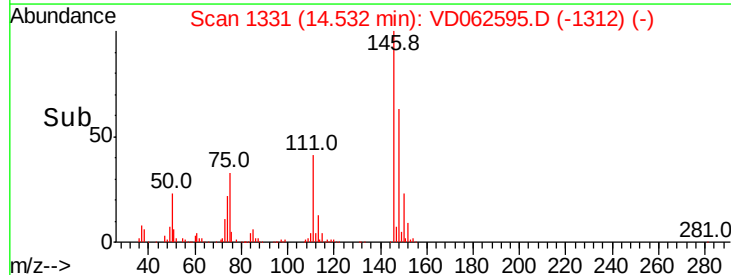
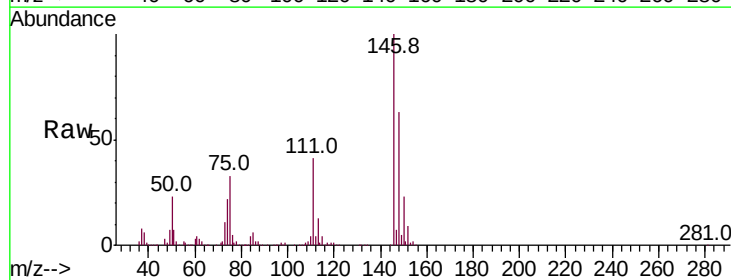
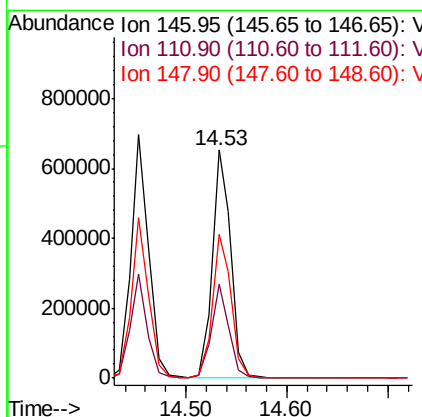
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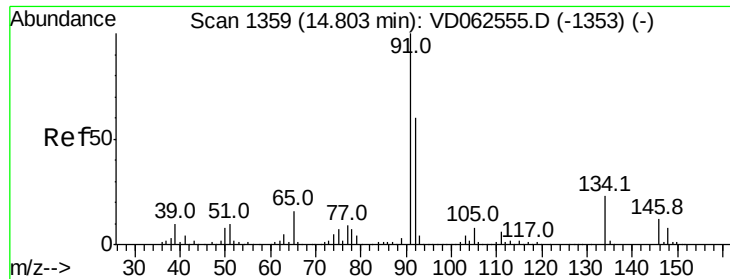
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#88
 1,4-Dichlorobenzene
 Concen: 52.811 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	18.2	54.6
148	63.0	31.6	94.8





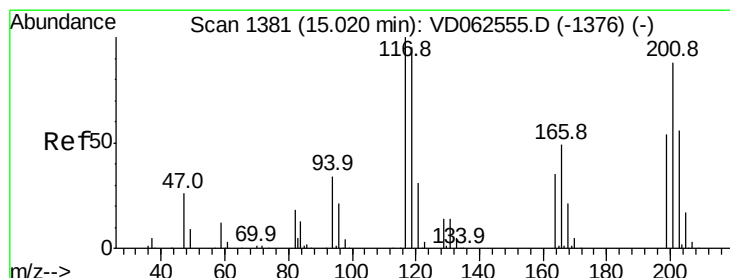
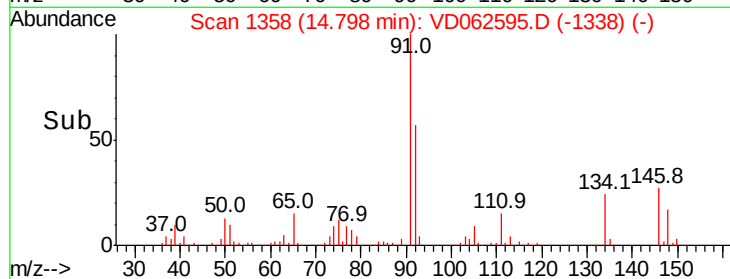
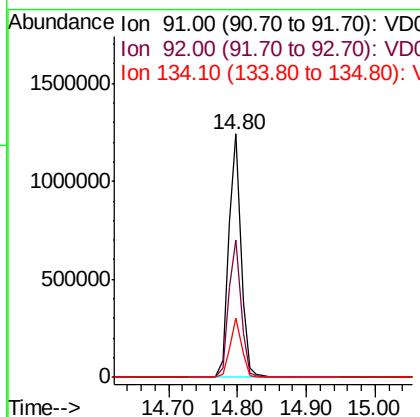
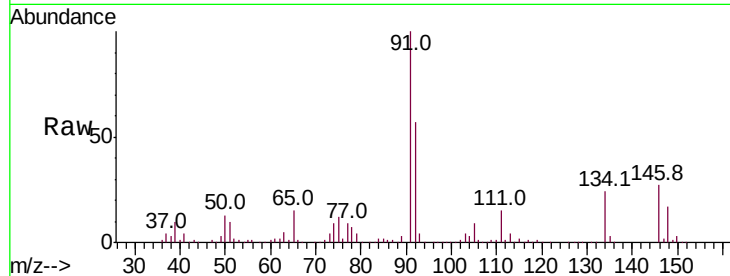
#89
n-Butylbenzene
Concen: 54.531 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1526252
Ion Ratio Lower Upper
91 100
92 56.7 29.8 89.4
134 24.1 11.3 33.8

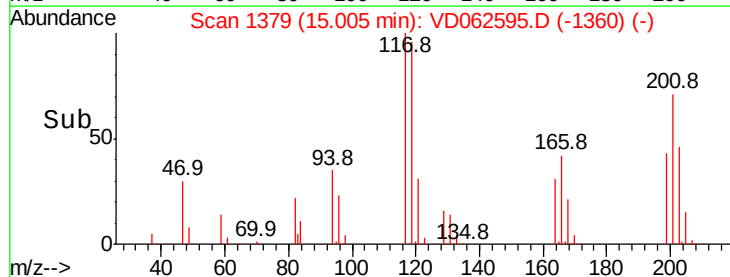
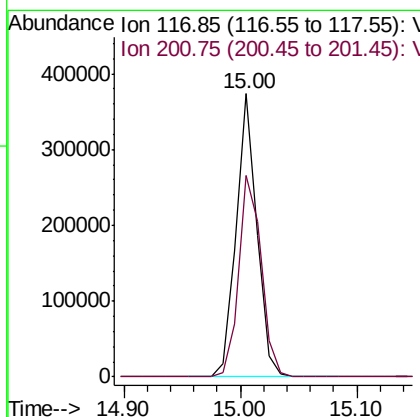
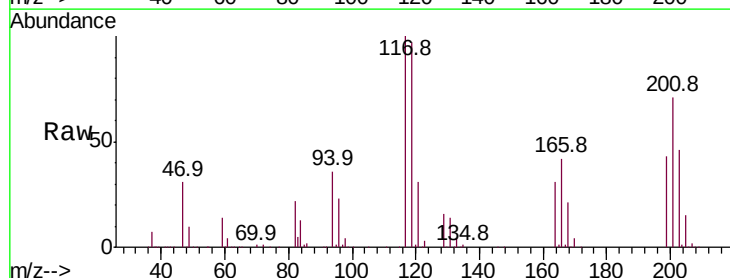
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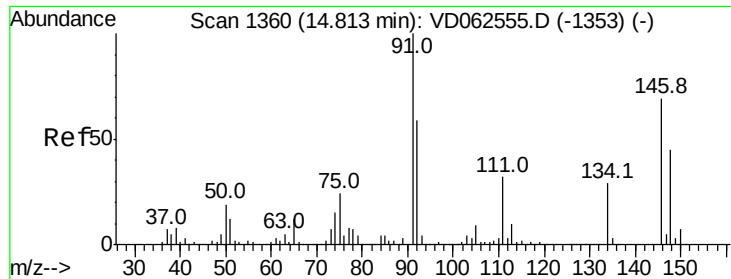
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#90
Hexachloroethane
Concen: 55.337 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion: 117 Resp: 460301
Ion Ratio Lower Upper
117 100
201 71.1 43.8 131.4





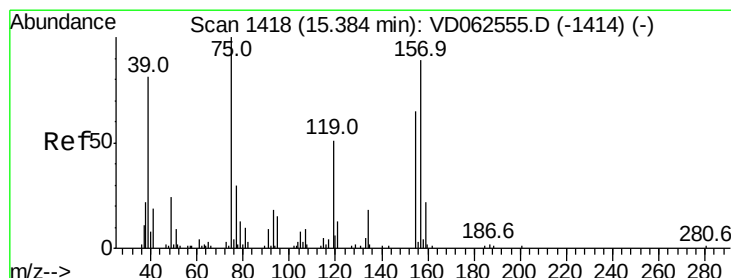
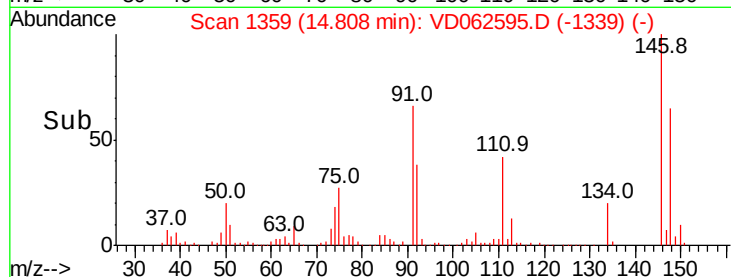
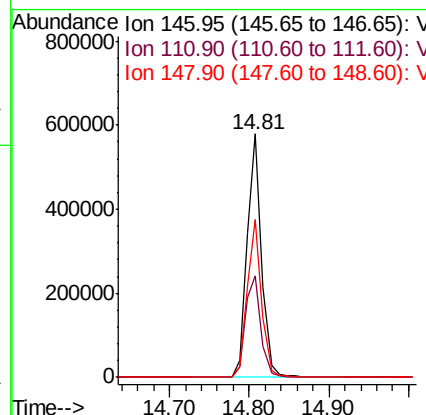
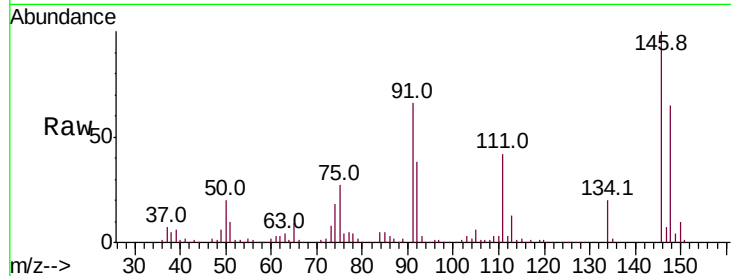
#91
 1,2-Dichlorobenzene
 Concen: 54.727 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	726991		
111	41.7	22.8	68.4	
148	65.0	32.3	96.9	

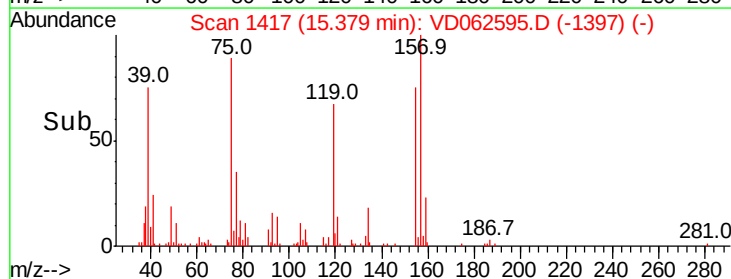
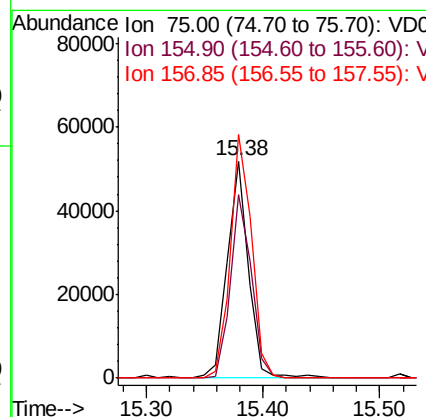
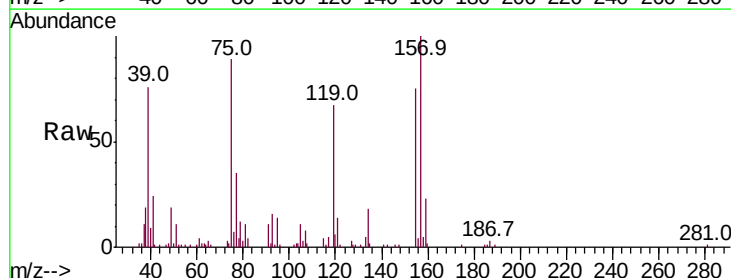
Manual Integrations
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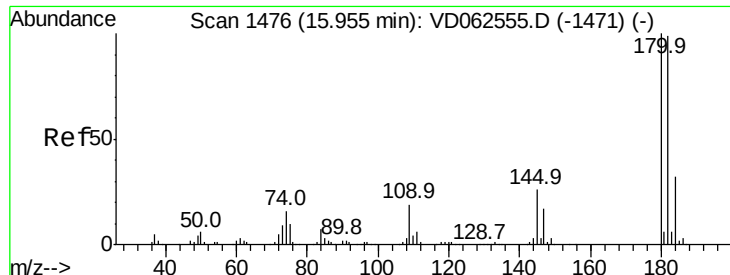
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.719 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	65250		
155	84.4	32.6	97.8	
157	112.3	44.5	133.7	





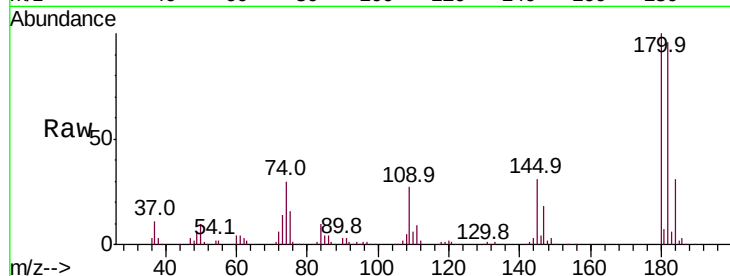
#93
1,2,4-Trichlorobenzene
Concen: 52.396 ug/l
RT: 15.94 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

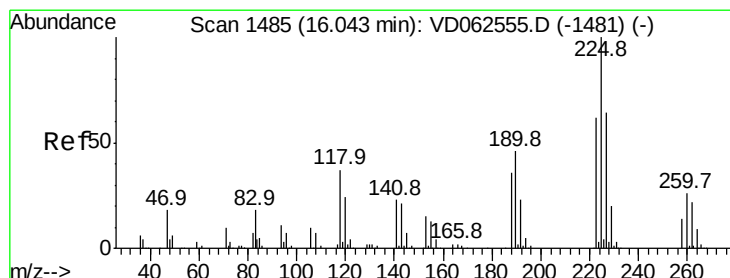
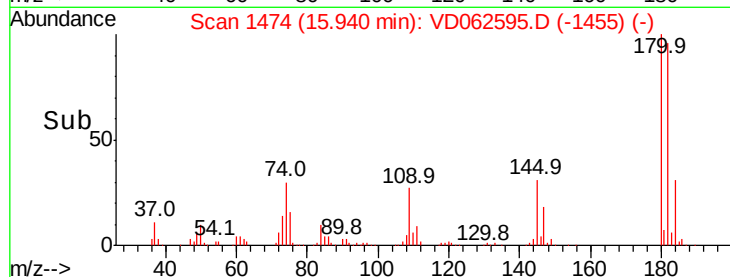
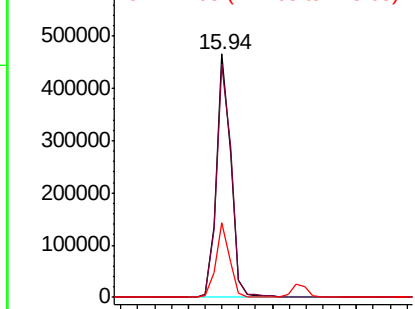
Tot Ion	Ratio	Resp	Lower	Upper
180	100	556546		
182	95.9	49.5	148.3	
145	30.7	13.1	39.3	

Manual Integrations
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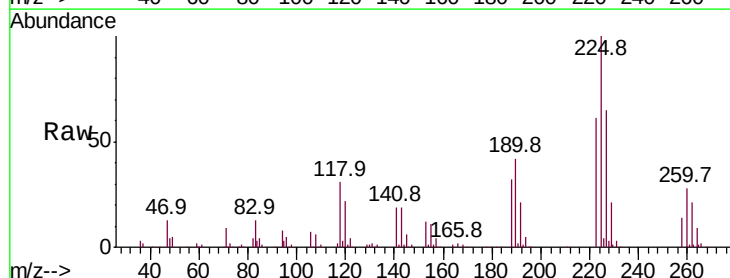


Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

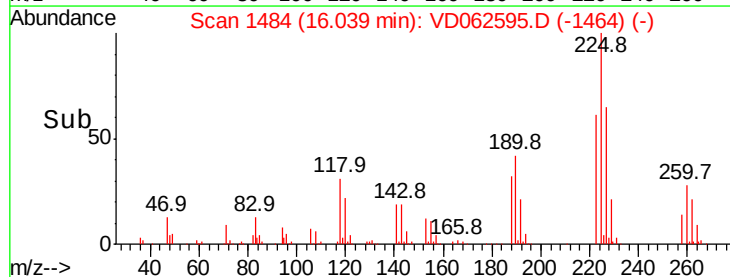
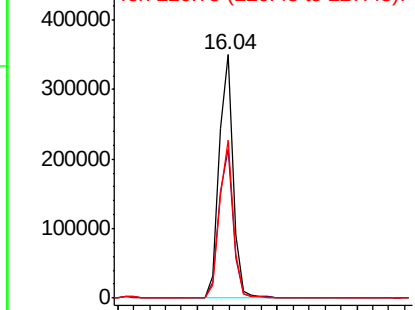


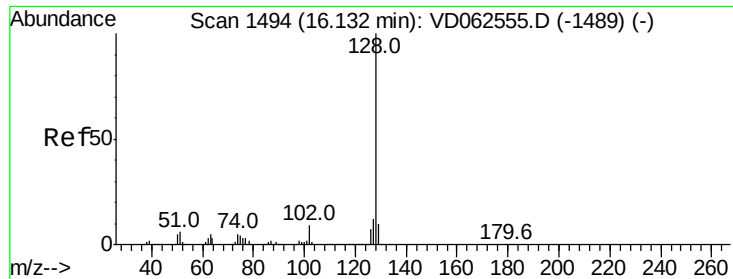
#94
Hexachlorobutadiene
Concen: 55.993 ug/l
RT: 16.04 min Scan# 1484
Delta R.T. -0.00 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	439059		
223	61.1	31.1	93.5	
227	64.6	32.1	96.5	



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





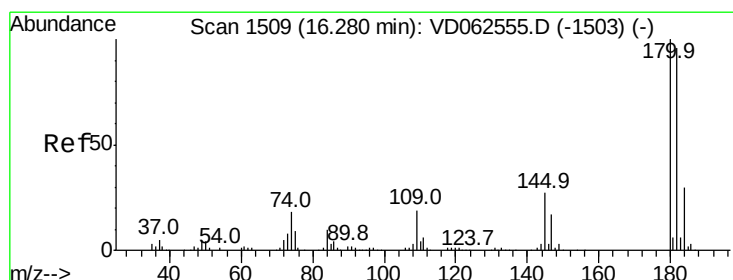
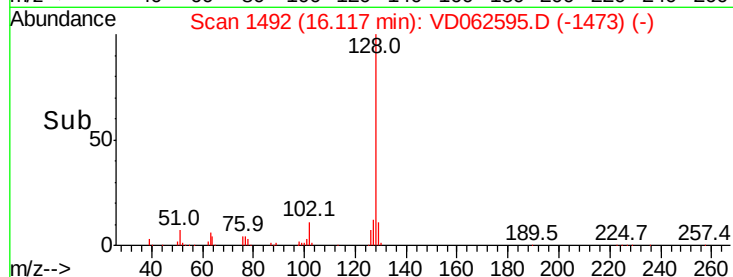
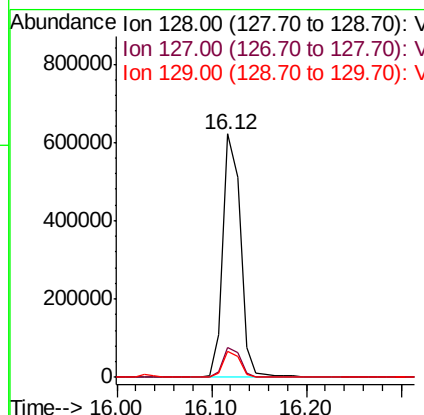
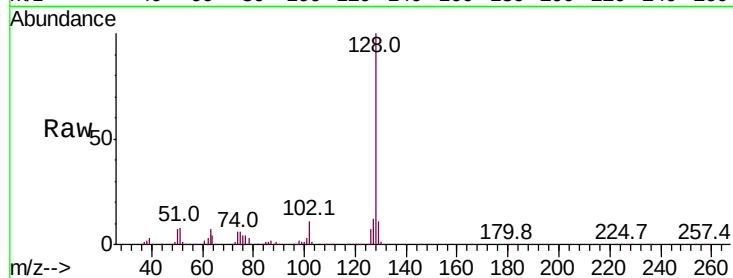
#95
Naphthalene
Concen: 55.657 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	9.7	14.5
129	10.9	8.2	12.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 53.685 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.2	48.1	144.3
145	33.5	13.3	39.9

