

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052819\
 Data File : VD062535.D
 Acq On : 28 May 2019 12:34
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 10:40:42 AM

Quant Time: May 29 01:12:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	457565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	616544	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	520391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	283139	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	287350	58.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.34%	
35) Dibromofluoromethane	6.94	113	288791	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
50) Toluene-d8	10.42	98	581383	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
62) 4-Bromofluorobenzene	13.56	95	275557	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	217803	50.979	ug/l	98
3) Chloromethane	1.75	50	143614	45.307	ug/l #	87
4) Vinyl Chloride	1.85	62	178269	53.445	ug/l	96
5) Bromomethane	2.16	94	107528	74.707	ug/l	93
6) Chloroethane	2.27	64	105795	65.566	ug/l	99
7) Trichlorofluoromethane	2.54	101	493474	64.030	ug/l	99
8) Diethyl Ether	2.87	74	63884	61.448	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.15	101	247125	53.898	ug/l	97
10) Methyl Iodide	3.31	142	372103	58.203	ug/l #	74
11) Tert butyl alcohol	4.08	59	61720	273.000	ug/l	99
12) 1,1-Dichloroethene	3.13	96	179159	52.871	ug/l #	81
13) Acrolein	3.04	56	47472	252.849	ug/l #	83
14) Allyl chloride	3.62	41	252367	50.510	ug/l #	63
15) Acrylonitrile	4.20	53	131081	253.027	ug/l #	87
16) Acetone	3.23	43	265505	302.500	ug/l #	81
17) Carbon Disulfide	3.38	76	484701	47.230	ug/l	99
18) Methyl Acetate	3.65	43	77687	51.294	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	442777	56.573	ug/l #	90
20) Methylene Chloride	3.82	84	186428	49.751	ug/l #	89
21) trans-1,2-Dichloroethene	4.22	96	186767	47.081	ug/l #	75
22) Diisopropyl ether	5.14	45	539094	50.691	ug/l #	88
23) Vinyl Acetate	5.07	43	1694941	263.755	ug/l	97
24) 1,1-Dichloroethane	5.00	63	346127	50.534	ug/l	98
25) 2-Butanone	6.08	43	240864	262.381	ug/l	92
26) 2,2-Dichloropropane	6.03	77	449230	60.844	ug/l	88
27) cis-1,2-Dichloroethene	6.05	96	214400	50.122	ug/l	86
28) Bromochloromethane	6.46	49	118899	48.367	ug/l	98
29) Tetrahydrofuran	6.48	42	109662	250.129	ug/l	99
30) Chloroform	6.68	83	479029	54.858	ug/l	98
31) Cyclohexane	6.97	56	228519	49.414	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	481894	54.662	ug/l	98
36) 1,1-Dichloropropene	7.15	75	328014	55.647	ug/l	92
37) Ethyl Acetate	6.20	43	127454	55.658	ug/l #	91
38) Carbon Tetrachloride	7.13	117	526425m	60.090	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	258601	53.190	ug/l	90
40) Benzene	7.47	78	598593	51.771	ug/l	100
41) Methacrylonitrile	6.47	41	155377	54.025	ug/l #	73
42) 1,2-Dichloroethane	7.59	62	340303	55.581	ug/l	89
43) Isopropyl Acetate	9.25	43	164967	54.304	ug/l #	93
44) Trichloroethene	8.55	130	241639	52.196	ug/l	86
45) 1,2-Dichloropropane	8.96	63	138745	49.240	ug/l	95
46) Dibromomethane	9.07	93	141304	55.323	ug/l	94
47) Bromodichloromethane	9.39	83	355917	54.777	ug/l	98
48) Methyl methacrylate	9.13	41	113626	55.581	ug/l #	81
49) 1,4-Dioxane	9.09	88	21453	1169.936	ug/l #	83
51) 4-Methyl-2-Pentanone	10.31	43	561865	279.971	ug/l	92
52) Toluene	10.52	92	421781	53.286	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	306699	56.696	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	313053	55.461	ug/l #	76
55) 1,1,2-Trichloroethane	11.20	97	142746	53.210	ug/l	95
56) Ethyl methacrylate	11.05	69	152273	53.097	ug/l #	76
57) 1,3-Dichloropropane	11.42	76	218144	53.023	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.87	63	364735	247.679	ug/l	96
59) 2-Hexanone	11.54	43	430805	295.365	ug/l	87
60) Dibromochloromethane	11.69	129	303583	58.918	ug/l	99
61) 1,2-Dibromoethane	11.82	107	171653	51.921	ug/l	96
64) Tetrachloroethene	11.27	164	233618	53.616	ug/l	96
65) Chlorobenzene	12.41	112	489895	48.953	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	267737	57.959	ug/l	93
67) Ethyl Benzene	12.53	91	938595	54.452	ug/l	95
68) m/p-Xylenes	12.68	106	606427	98.010	ug/l	85
69) o-Xylene	13.06	106	290313	49.728	ug/l	87
70) Styrene	13.08	104	490667	49.405	ug/l #	92
71) Bromoform	13.25	173	182769	59.576	ug/l #	99
73) Isopropylbenzene	13.41	105	878879	49.244	ug/l	97
74) N-amyl acetate	13.28	43	243703	55.287	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	159412	49.510	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	181073	54.294	ug/l	97
77) Bromobenzene	13.68	156	253451	50.061	ug/l	99
78) n-propylbenzene	13.78	91	1135051	54.905	ug/l	96
79) 2-Chlorotoluene	13.85	91	678394	54.074	ug/l	92
80) 1,3,5-Trimethylbenzene	13.94	105	816664	52.848	ug/l	92
81) trans-1,4-Dichloro-2-buten	13.48	75	50685	53.887	ug/l #	60
82) 4-Chlorotoluene	13.95	91	752154	52.058	ug/l	90
83) tert-Butylbenzene	14.19	119	906982	52.913	ug/l	87
84) 1,2,4-Trimethylbenzene	14.24	105	819609	51.761	ug/l	88
85) sec-Butylbenzene	14.38	105	945412	52.895	ug/l	100
86) p-Isopropyltoluene	14.50	119	854624	52.763	ug/l	89
87) 1,3-Dichlorobenzene	14.47	146	478002	53.463	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	451938	52.383	ug/l	96
89) n-Butylbenzene	14.80	91	818009	52.330	ug/l	94
90) Hexachloroethane	15.02	117	259027	57.865	ug/l	67
91) 1,2-Dichlorobenzene	14.81	146	413453	54.383	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	34650	56.695	ug/l	56

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	301896	50.431	ug/l	97
94) Hexachlorobutadiene	16.04	225	238908	54.051	ug/l	99
95) Naphthalene	16.13	128	434468	53.116	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	239129	48.728	ug/l	97

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

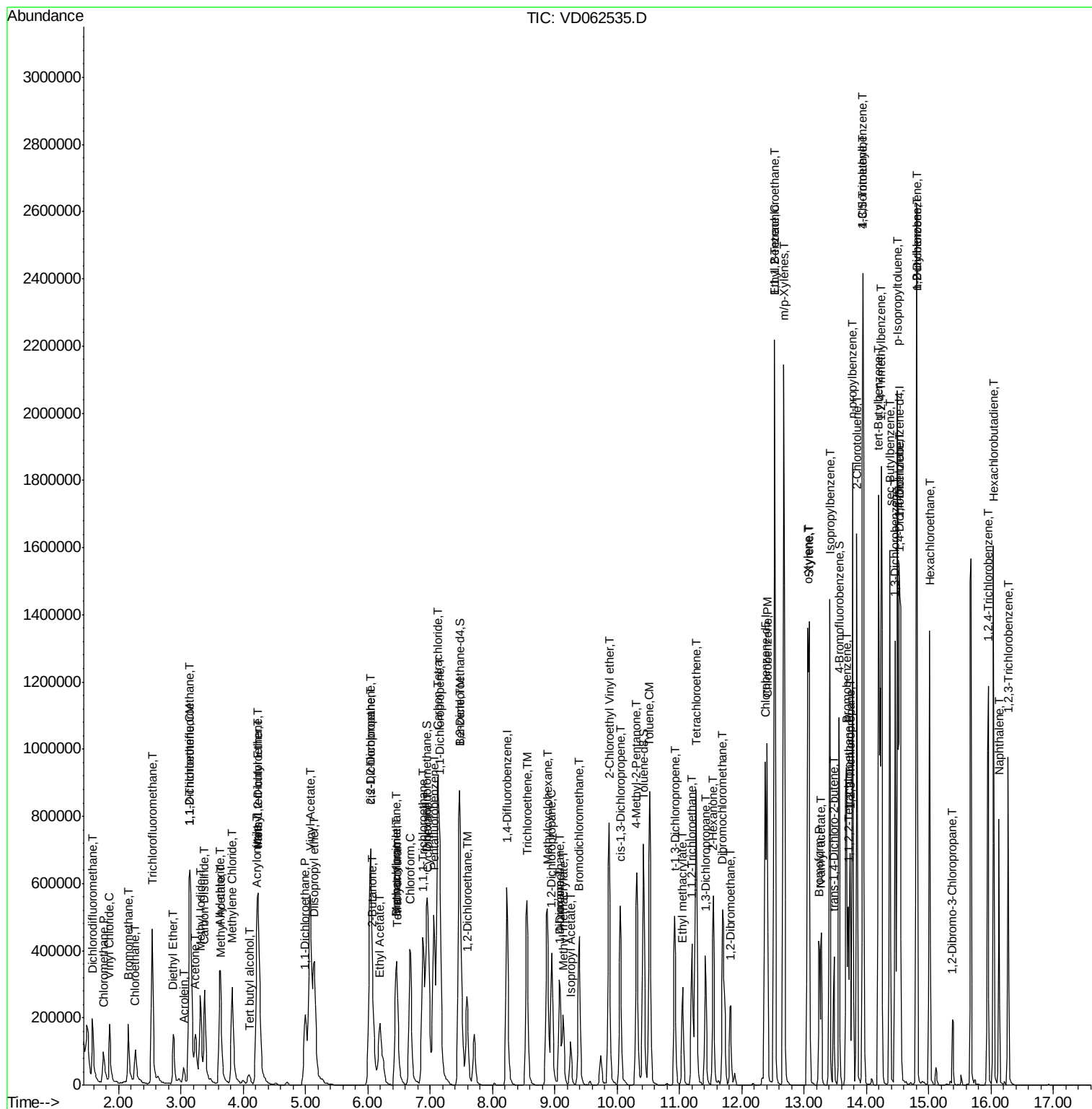
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052819\
 Data File : VD062535.D
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 Operator : VA/AP
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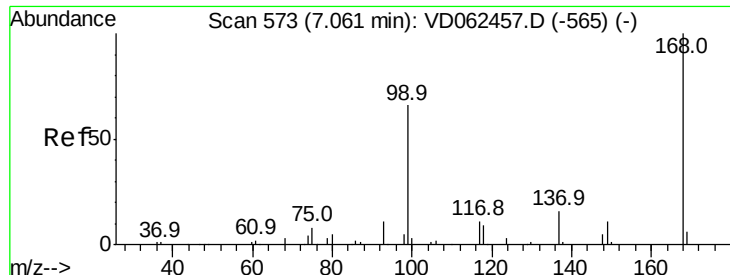
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 457565

Ion Ratio Lower Upper

168 100

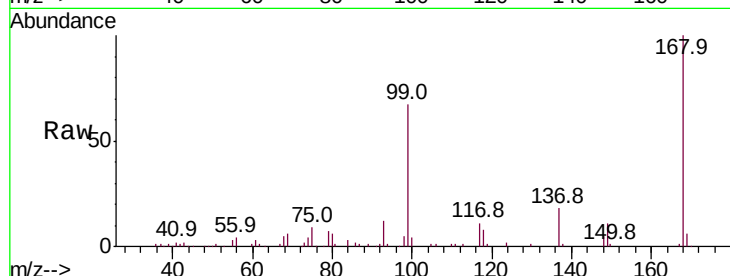
99 67.0 46.5 69.7

Manual Integrations

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5/29/2019 10:40:42 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

150000

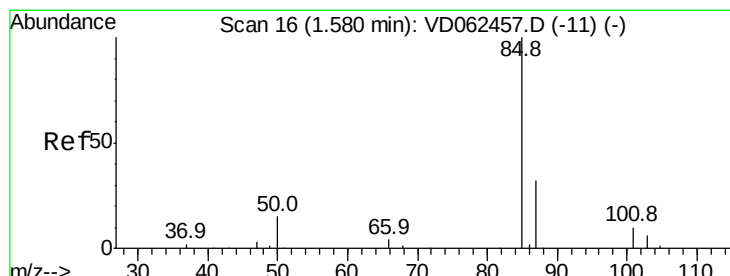
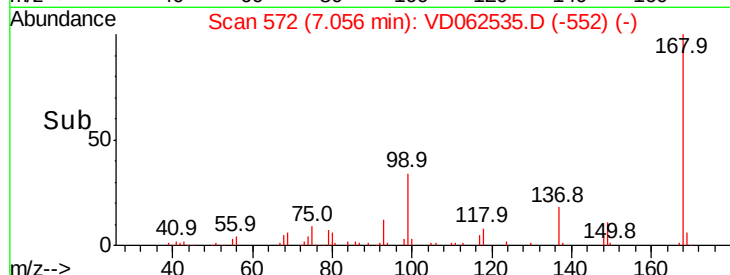
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 50.979 ug/l

RT: 1.58 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062535.D

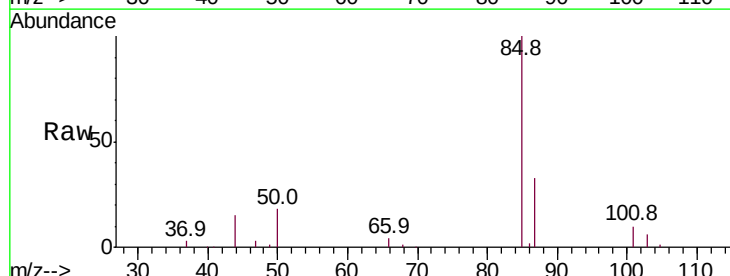
Acq: 28 May 2019 12:34

Tgt Ion: 85 Resp: 217803

Ion Ratio Lower Upper

85 100

87 33.3 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

120000

100000

80000

60000

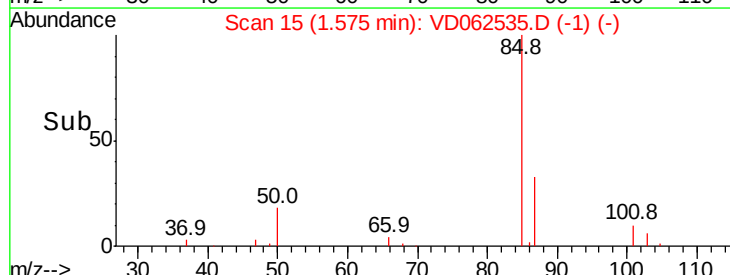
40000

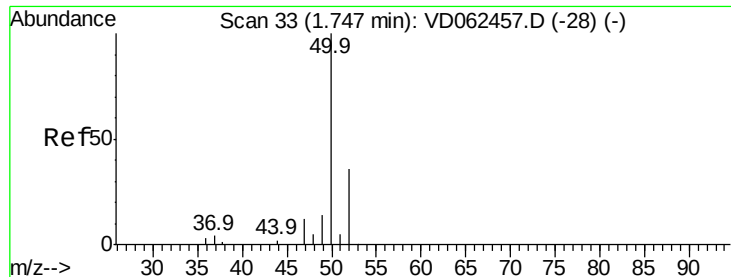
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 45.307 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 143614

Ion Ratio Lower Upper

50 100

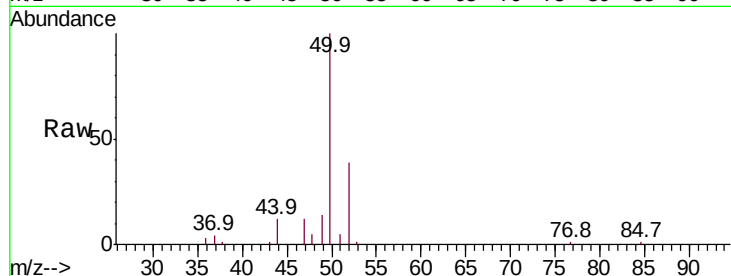
52 38.9 25.2 37.8#

Manual Integrations

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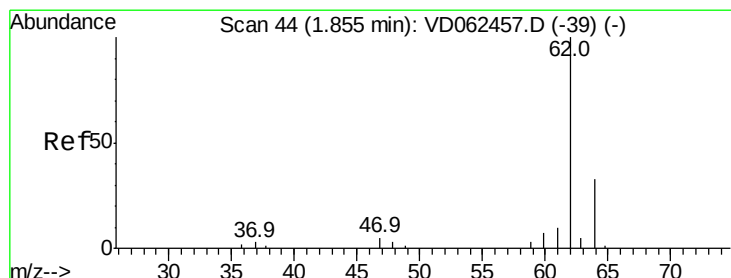
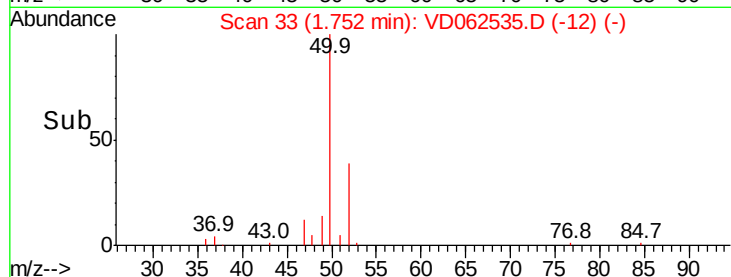
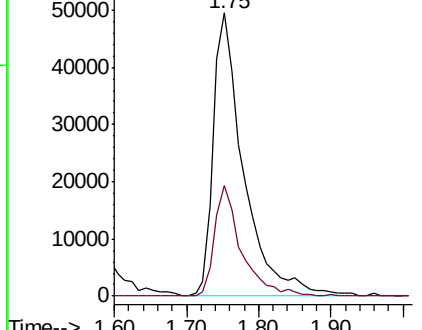
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 53.445 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD062535.D

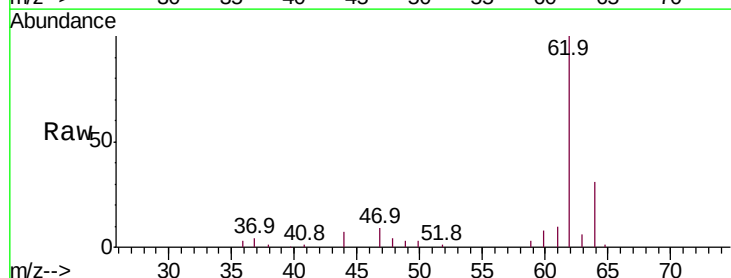
Acq: 28 May 2019 12:34

Tgt Ion: 62 Resp: 178269

Ion Ratio Lower Upper

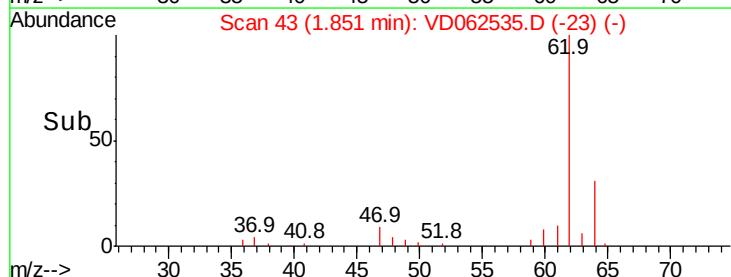
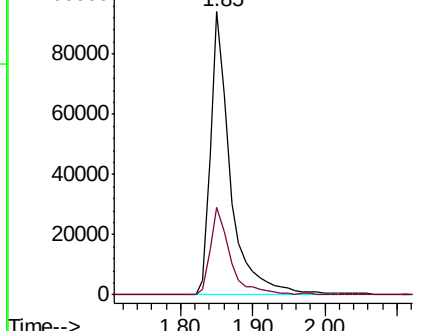
62 100

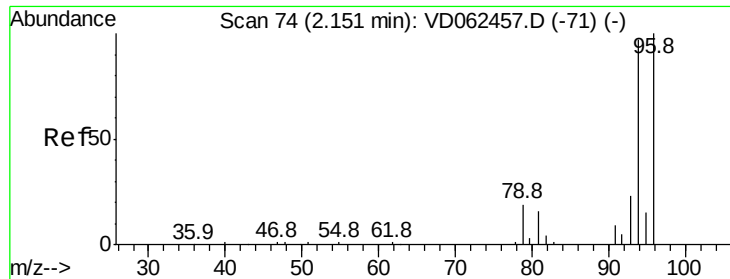
64 31.1 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 74.707 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

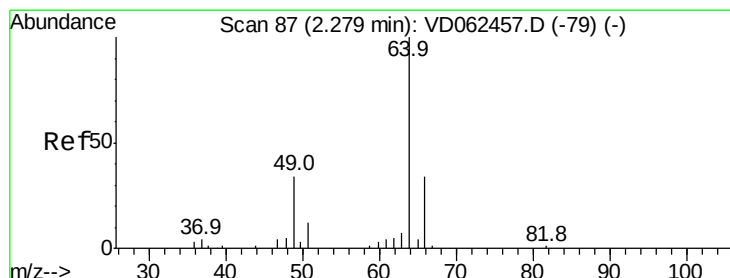
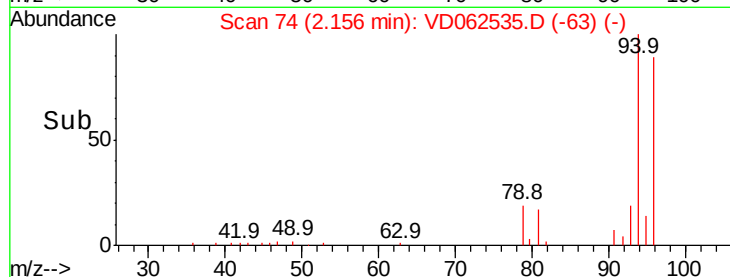
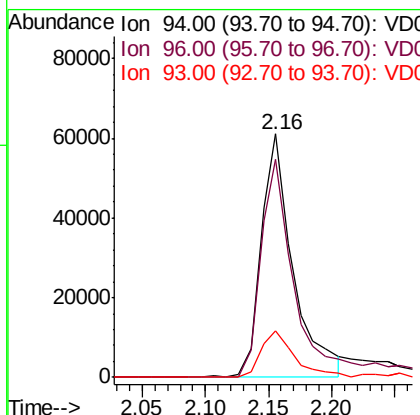
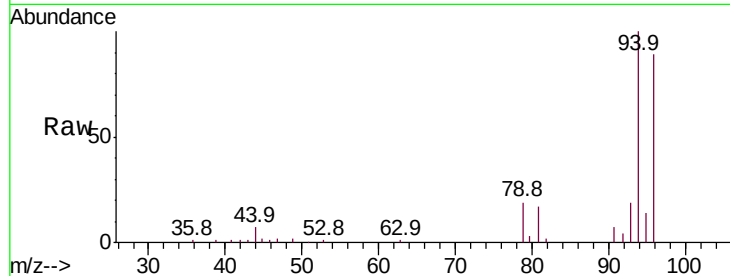
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	107528
Ion	Ratio	Lower	Upper
94	100		
96	89.5	76.6	115.0
93	19.0	18.5	27.7

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#6

Chloroethane

Concen: 65.566 ug/l

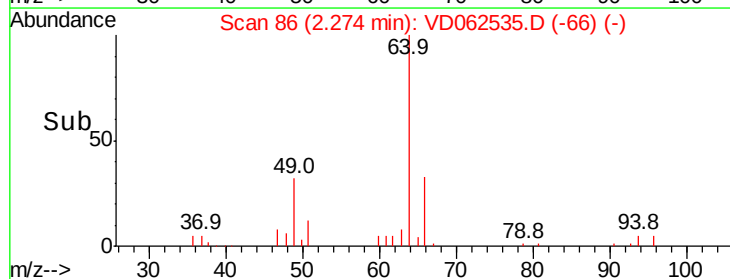
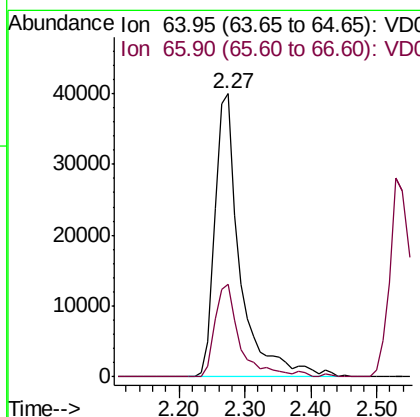
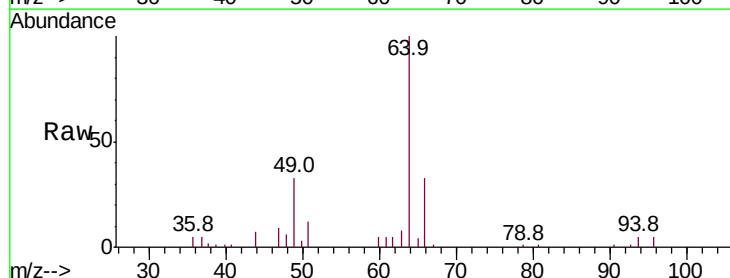
RT: 2.27 min Scan# 86

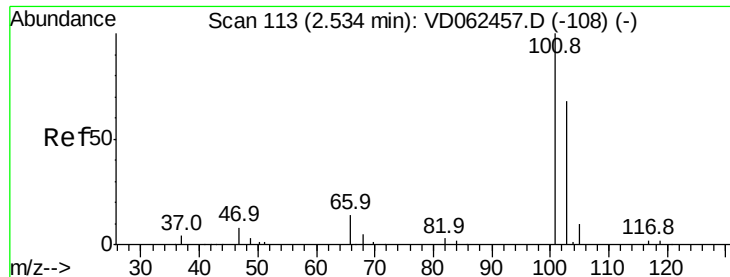
Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Tgt Ion:	64	Resp:	105795
Ion	Ratio	Lower	Upper
64	100		
66	32.8	25.6	38.4





#7

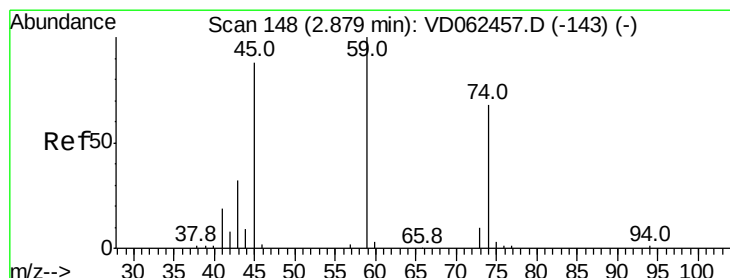
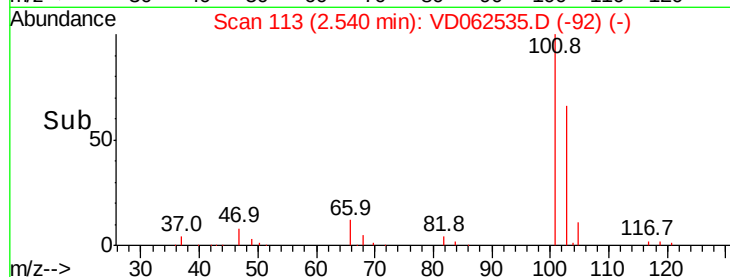
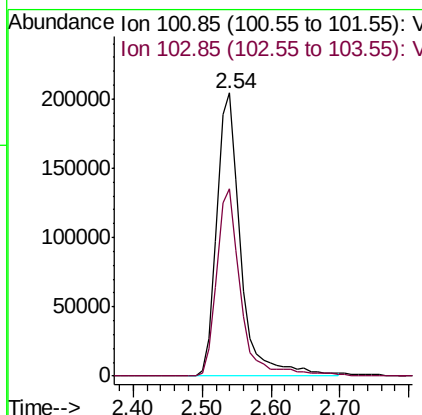
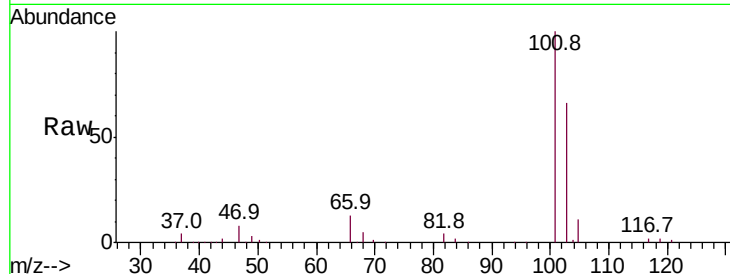
Trichlorofluoromethane
Concen: 64.030 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.01 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 493474
Ion Ratio Lower Upper
101 100
103 66.4 53.6 80.4

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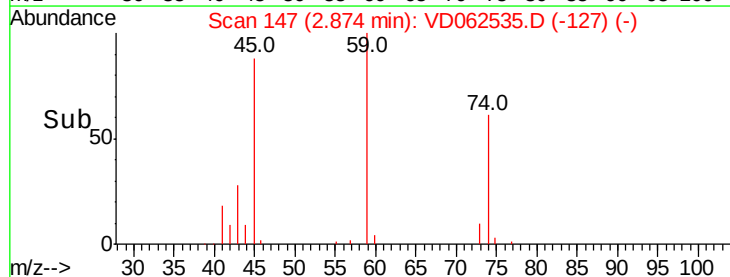
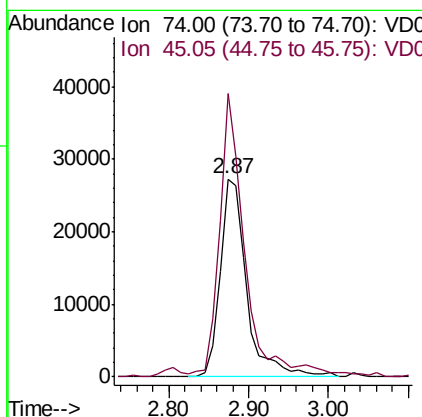
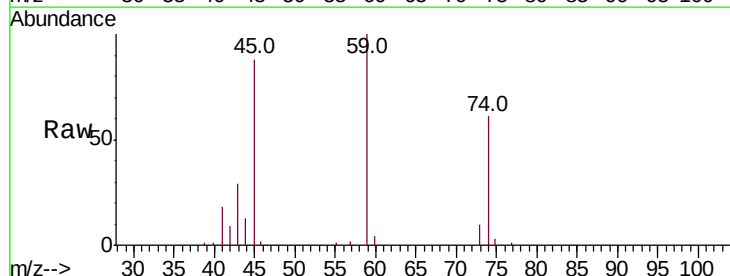
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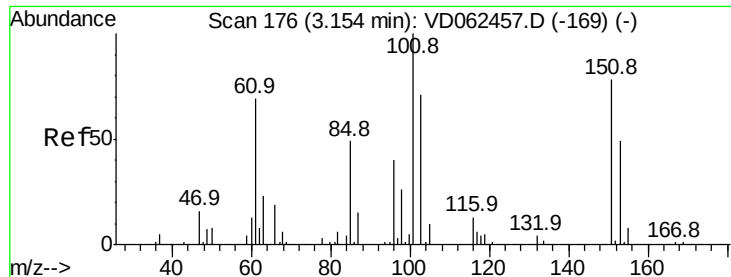


#8

Diethyl Ether
Concen: 61.448 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Tgt Ion: 74 Resp: 63884
Ion Ratio Lower Upper
74 100
45 146.4 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.898 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

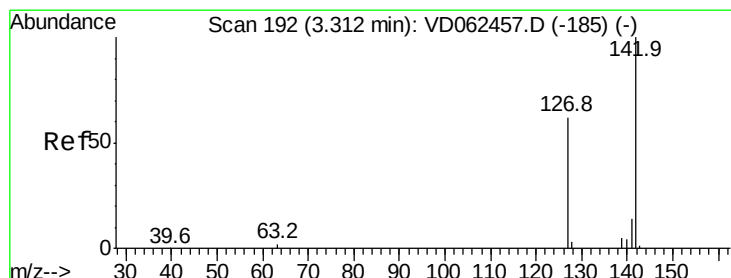
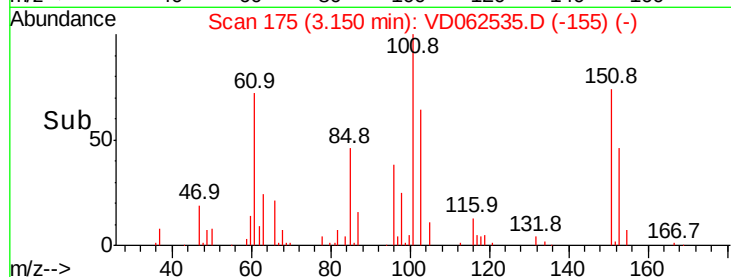
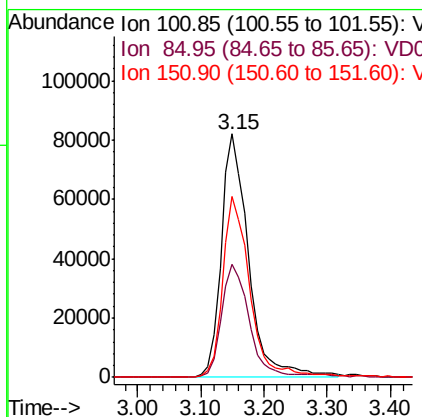
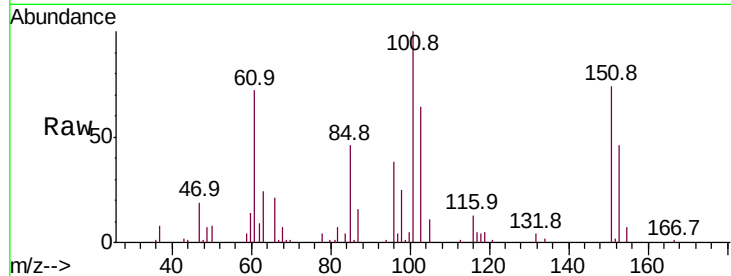
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	247125
Ion Ratio	Lower	Upper	
101	100		
85	46.4	32.4	48.6
151	74.2	59.4	89.0

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#10

Methyl Iodide

Concen: 58.203 ug/l

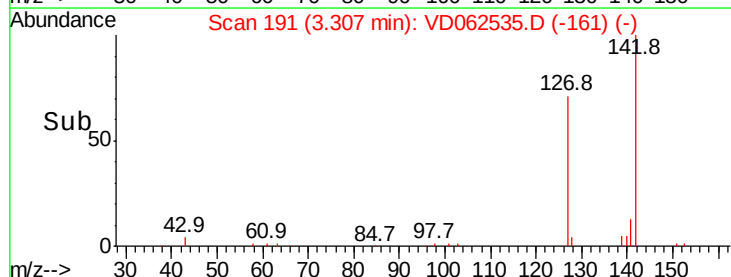
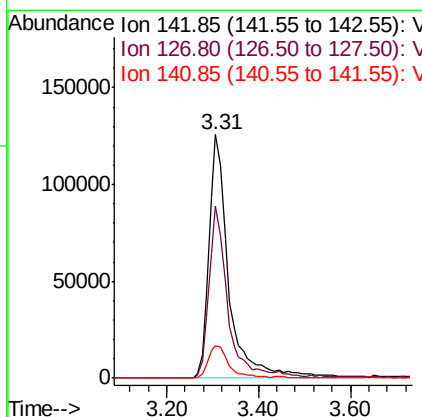
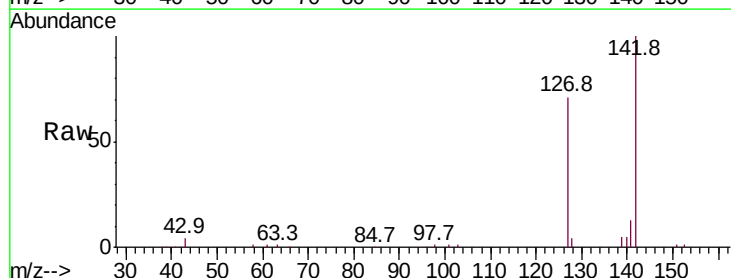
RT: 3.31 min Scan# 191

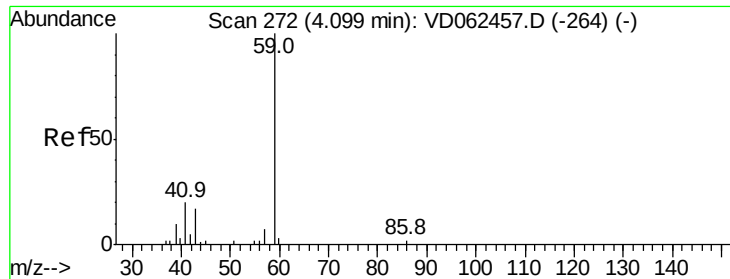
Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Tgt Ion:	142	Resp:	372103
Ion Ratio	Lower	Upper	
142	100		
127	70.6	38.8	58.2#
141	13.4	11.4	17.0





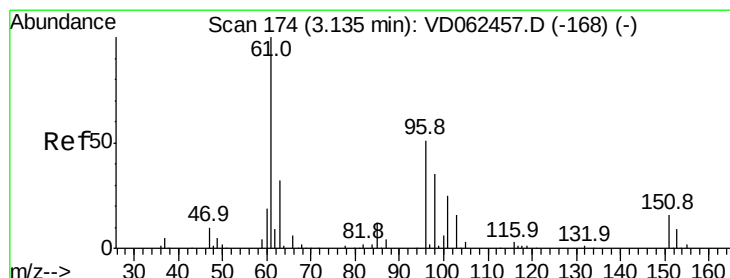
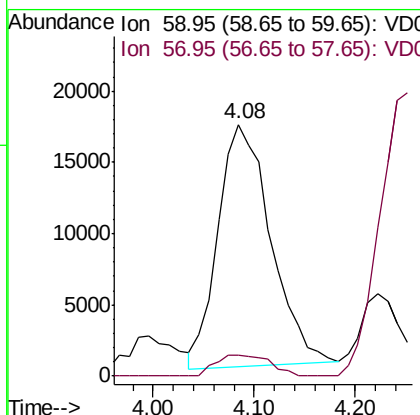
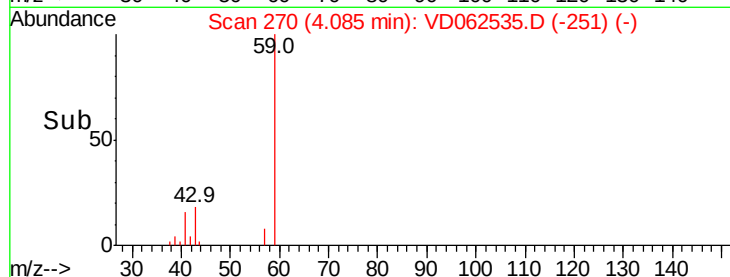
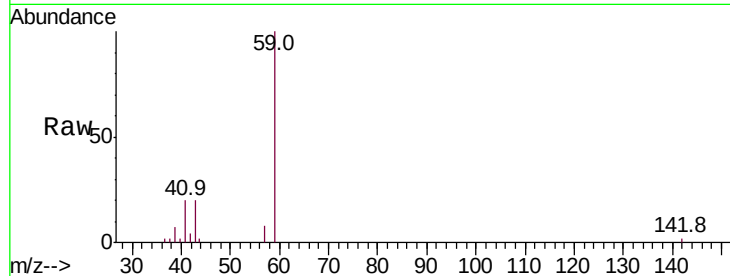
#11
Tert butyl alcohol
Concen: 273.000 ug/l
RT: 4.08 min Scan# 270
Delta R.T. -0.01 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.4	6.9	10.3

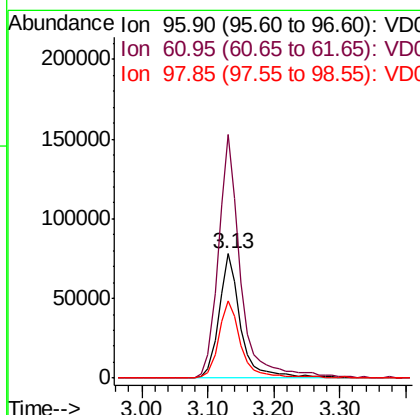
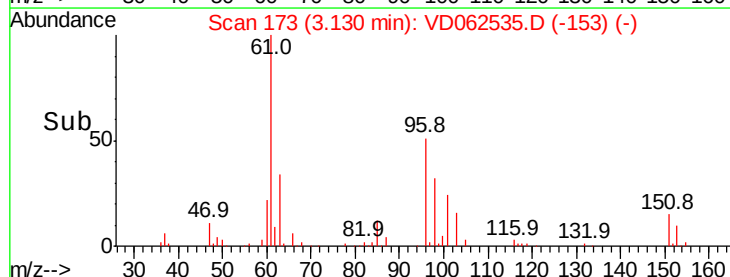
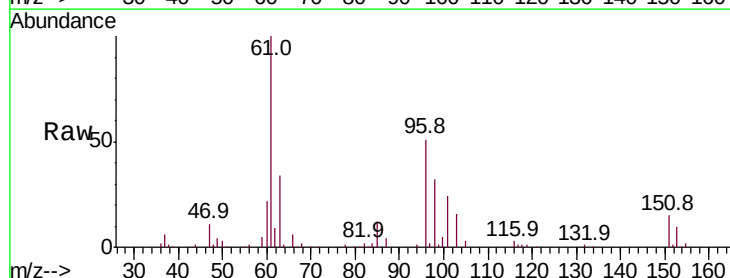
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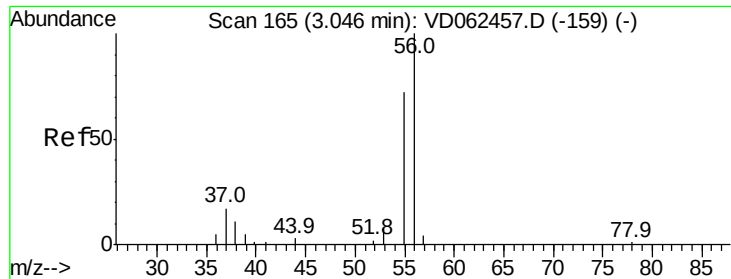
MMDadoda
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#12
1,1-Dichloroethene
Concen: 52.871 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	196.4	129.8	194.8#
98	62.2	51.2	76.8





#13

Acrolein

Concen: 252.849 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 47472

Ion Ratio Lower Upper

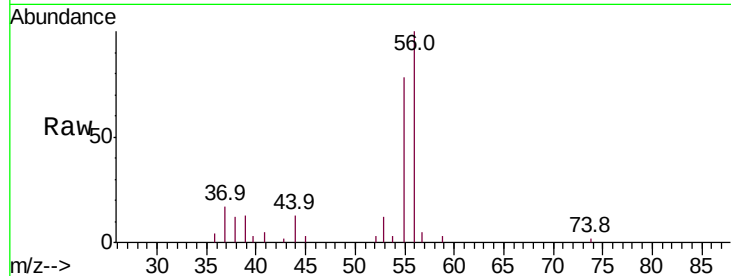
56 100

55 77.5 51.4 77.2#

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

20000

15000

10000

5000

0

Time-->

2.90 3.00 3.10 3.20

3.04

3.04

3.04

3.04

3.04

3.04

3.04

3.04

3.04

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3.04

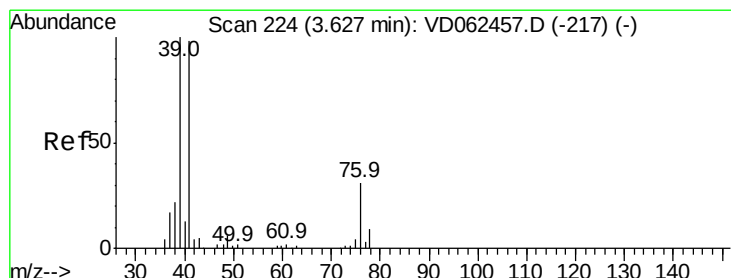
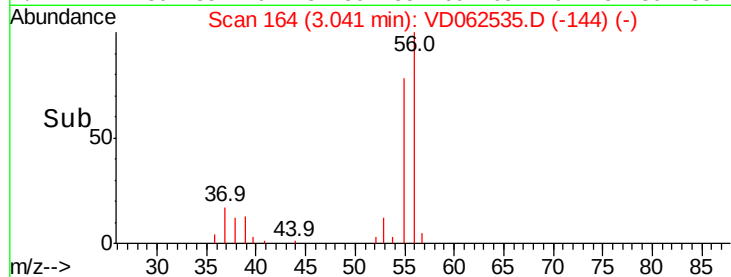
3.04

3.04

3.04

3.04

3.04



#14

Allyl chloride

Concen: 50.510 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

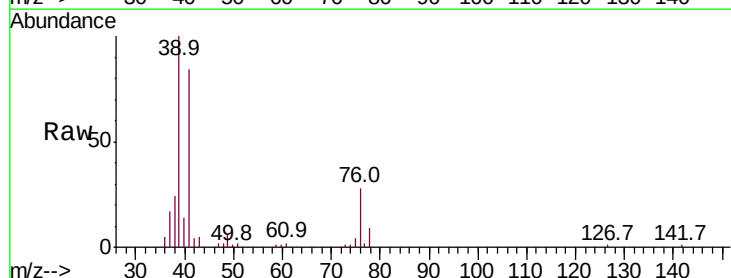
Tgt Ion: 41 Resp: 252367

Ion Ratio Lower Upper

41 100

39 118.7 60.5 90.7#

76 33.2 31.8 47.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

150000

100000

50000

0

Time-->

3.50 3.60 3.70 3.80

3.62

3.62

3.62

3.62

3.62

3.62

3.62

3.62

3.62

3.62

3.62

3.62

3.62

3.62

3.62

3.62

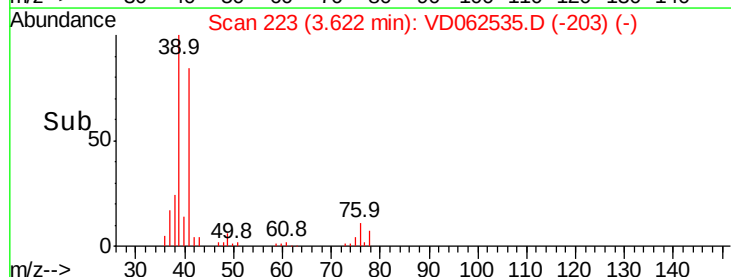
3.62

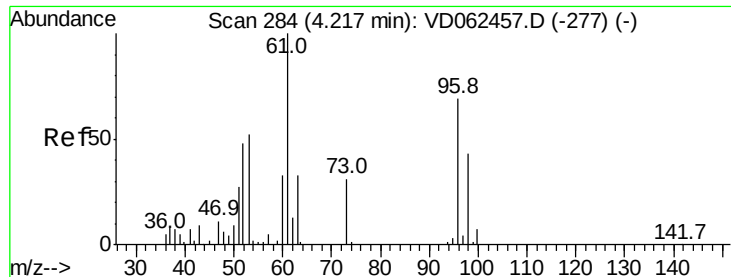
3.62

3.62

3.62

3.62





#15

Acrylonitrile

Concen: 253.027 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 131081

Ion Ratio Lower Upper

53 100

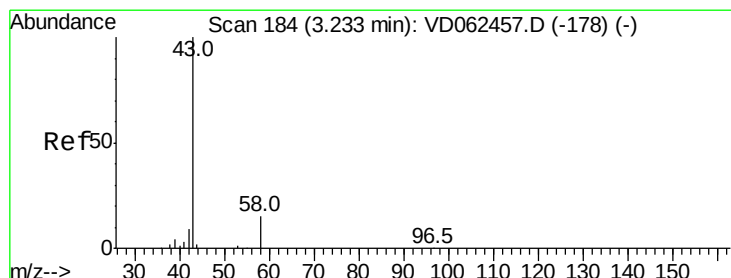
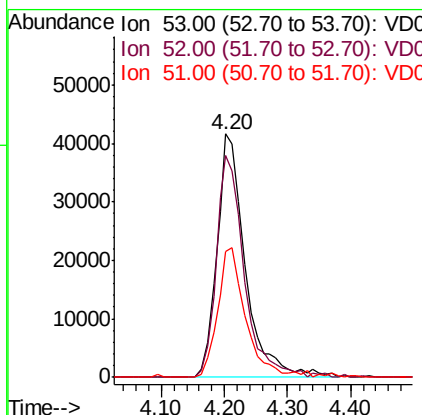
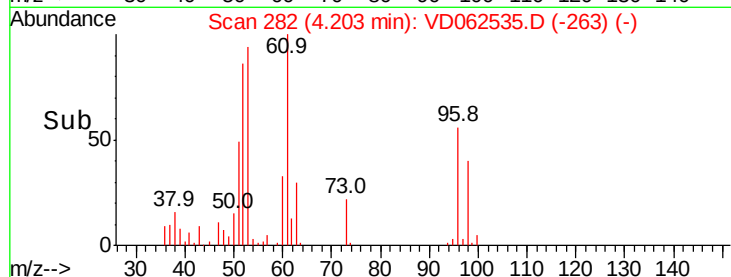
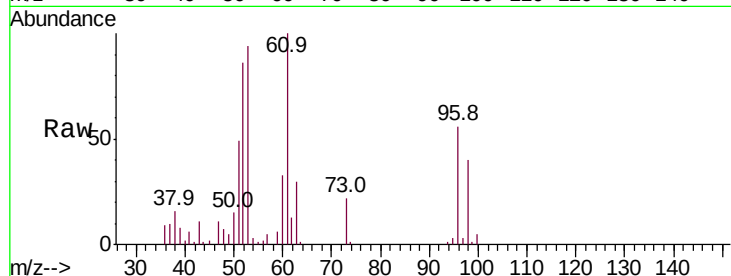
52 90.9 65.0 97.4

51 51.7 32.6 48.8#

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#16

Acetone

Concen: 302.500 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062535.D

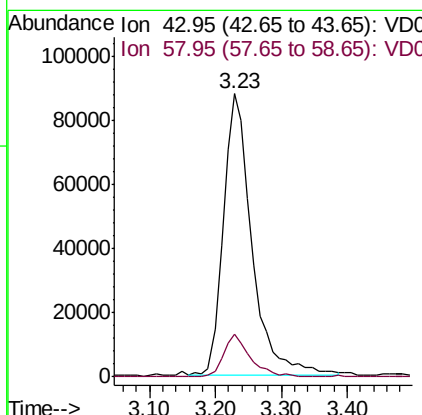
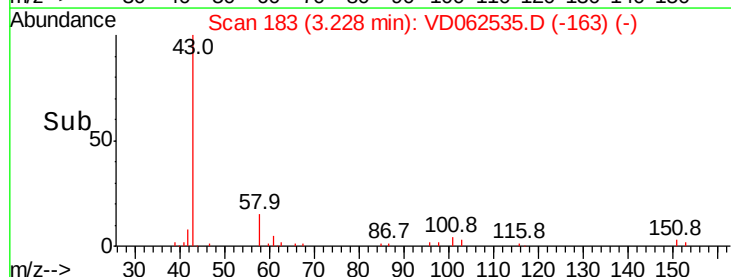
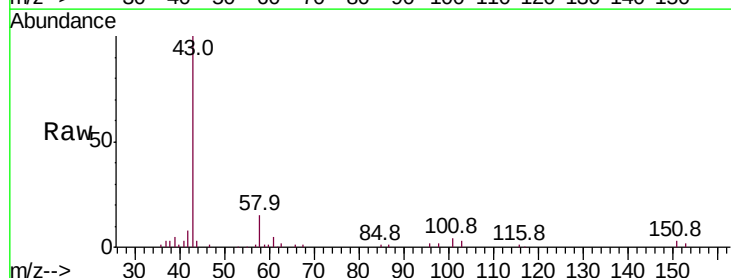
Acq: 28 May 2019 12:34

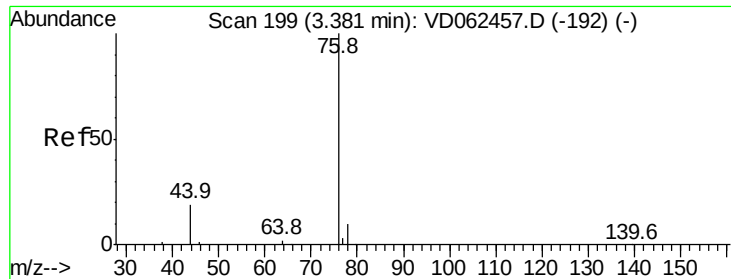
Tgt Ion: 43 Resp: 265505

Ion Ratio Lower Upper

43 100

58 15.3 19.9 29.9#





#17

Carbon Disulfide

Concen: 47.230 ug/l

RT: 3.38 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 484701

Ion Ratio Lower Upper

76 100

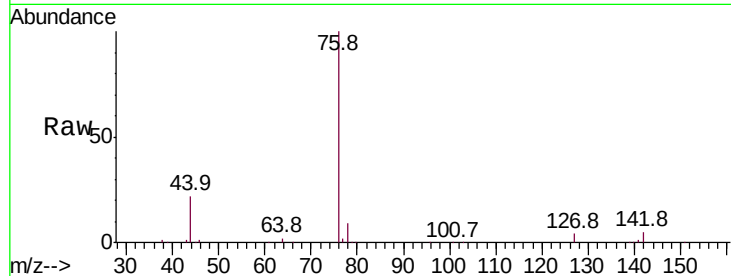
78 9.5 7.2 10.8

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.38

200000

150000

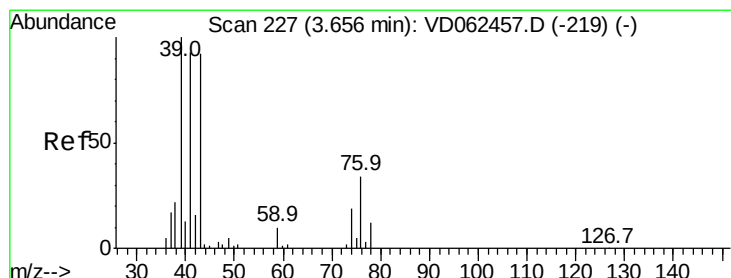
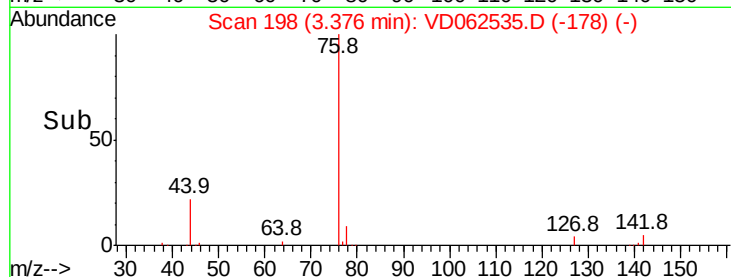
100000

50000

0

3.30 3.40 3.50 3.60

Time-->



#18

Methyl Acetate

Concen: 51.294 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.00 min

Lab File: VD062535.D

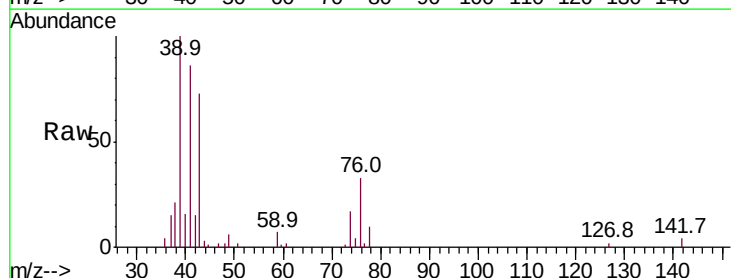
Acq: 28 May 2019 12:34

Tgt Ion: 43 Resp: 77687

Ion Ratio Lower Upper

43 100

74 23.1 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.65

30000

25000

20000

15000

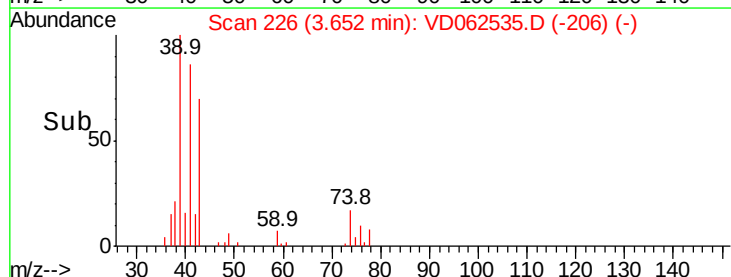
10000

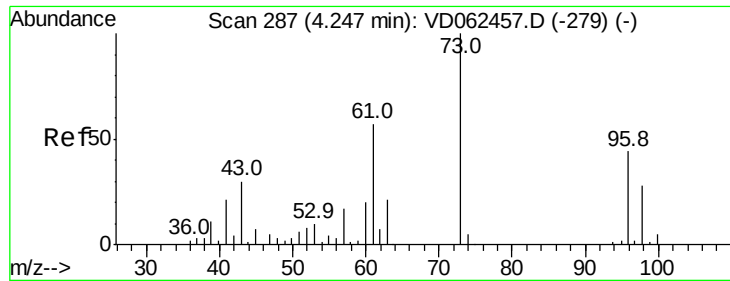
5000

0

3.60 3.70 3.80

Time-->





#19

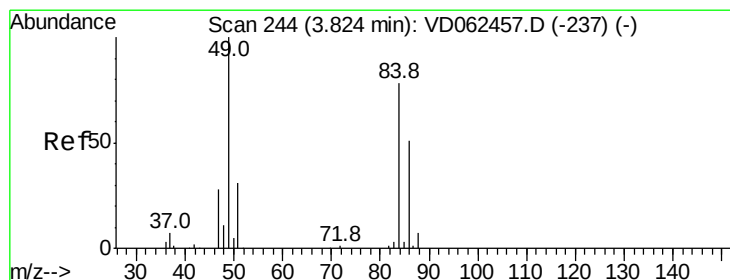
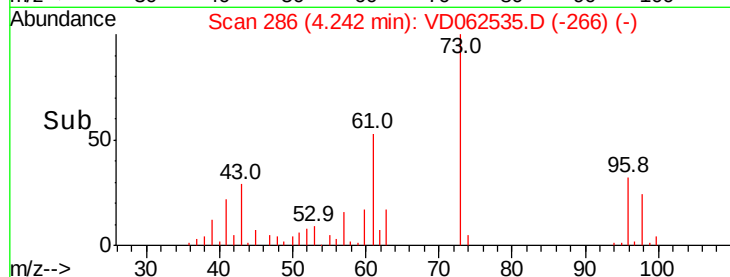
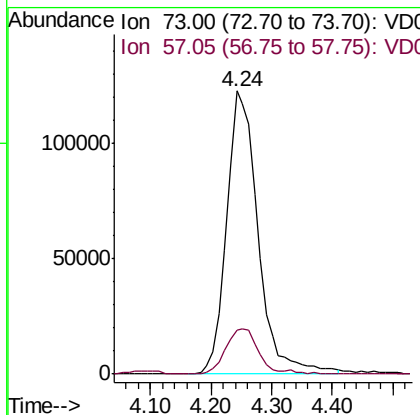
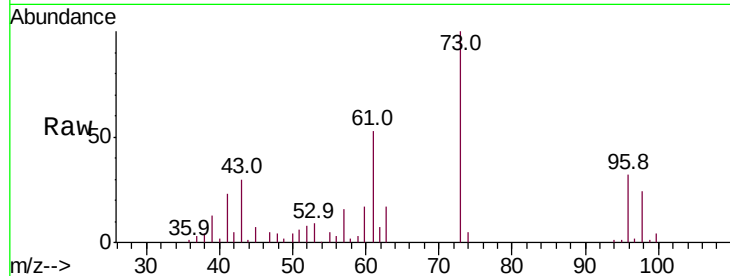
Methyl tert-butyl Ether
 Concen: 56.573 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. -0.00 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion: 73 Resp: 442777
 Ion Ratio Lower Upper
 73 100
 57 15.7 16.3 24.5#

Manual Integrations
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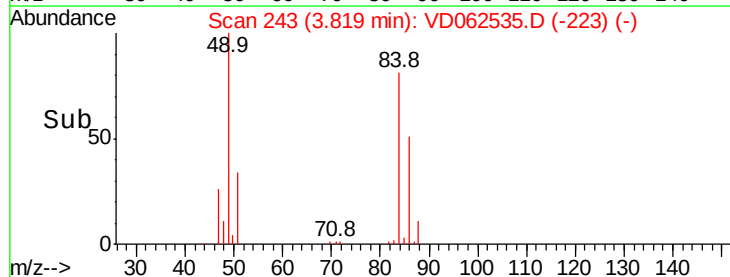
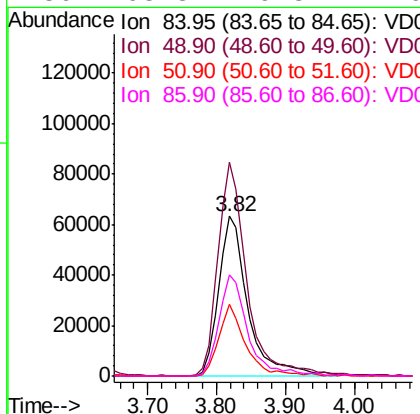
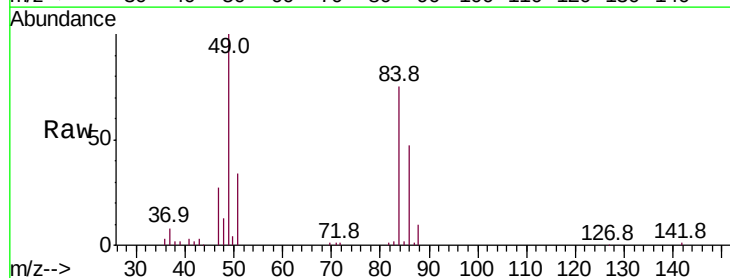
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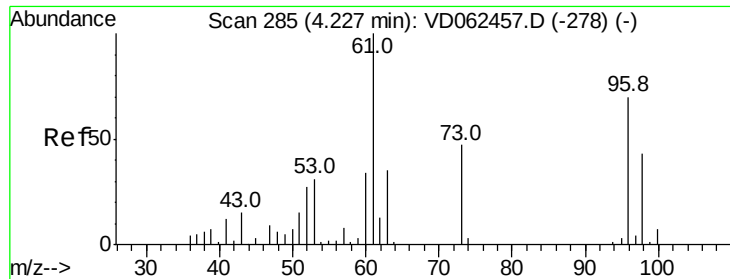


#20

Methylene Chloride
 Concen: 49.751 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. -0.00 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Tgt Ion: 84 Resp: 186428
 Ion Ratio Lower Upper
 84 100
 49 133.9 94.0 141.0
 51 45.0 29.0 43.4#
 86 63.3 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 47.081 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 186767
Ion Ratio Lower Upper

96 100

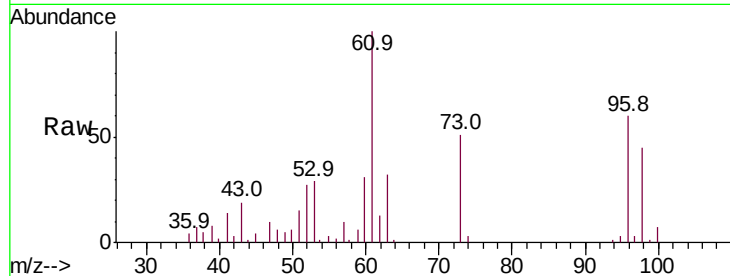
61 167.4 104.4 156.6#

98 75.1 51.8 77.8

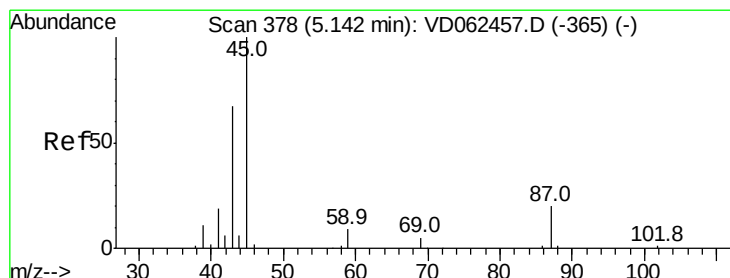
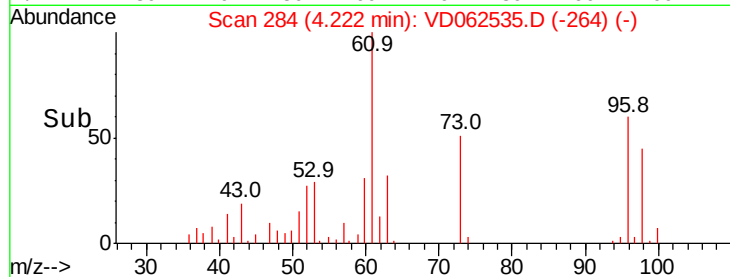
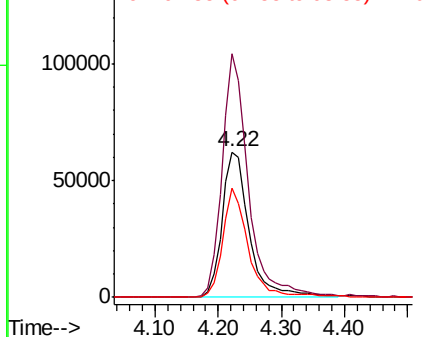
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 50.691 ug/l

RT: 5.14 min Scan# 377

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

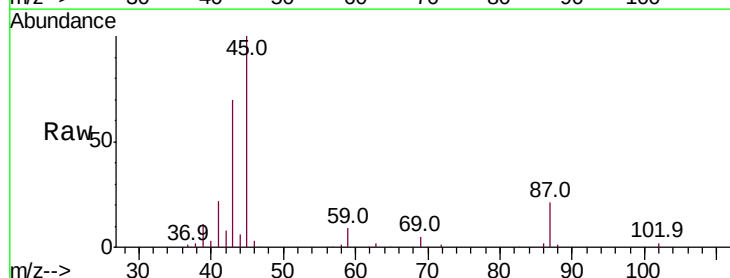
Tgt Ion: 45 Resp: 539094
Ion Ratio Lower Upper

45 100

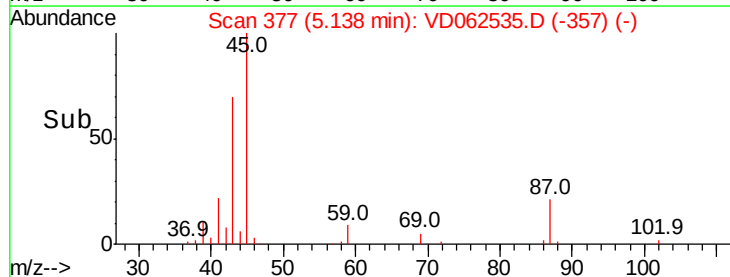
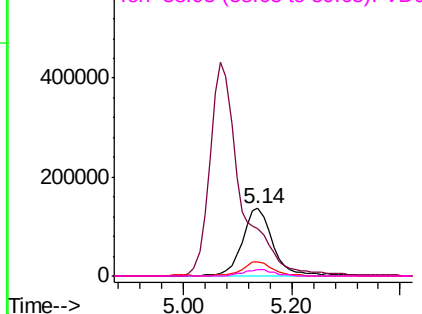
43 69.9 46.2 69.2#

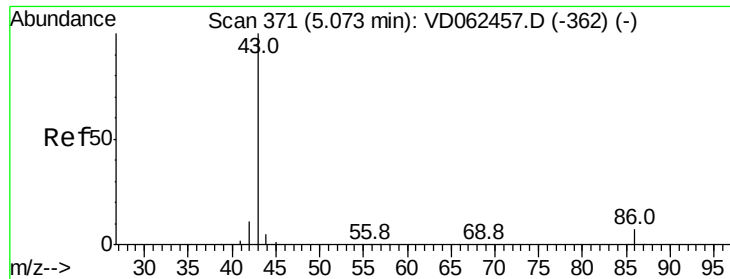
87 21.3 15.9 23.9

59 9.0 7.9 11.9



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: 263.755 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1694941

Ion Ratio Lower Upper

43 100

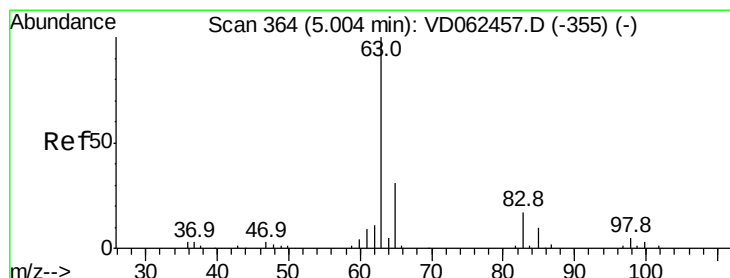
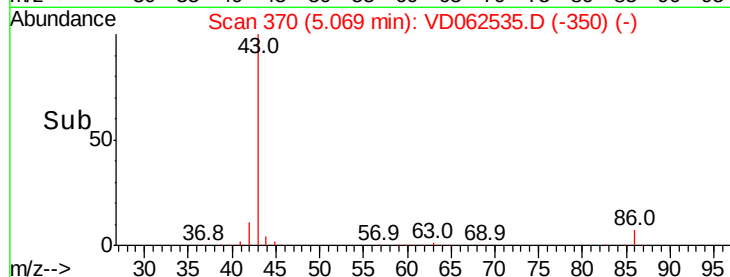
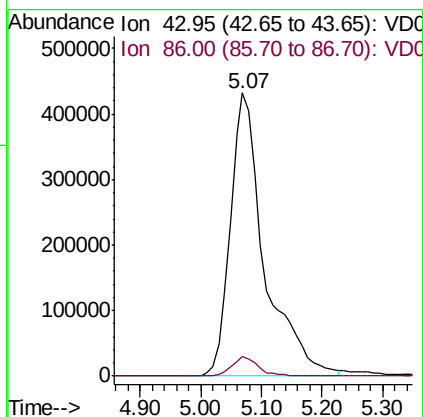
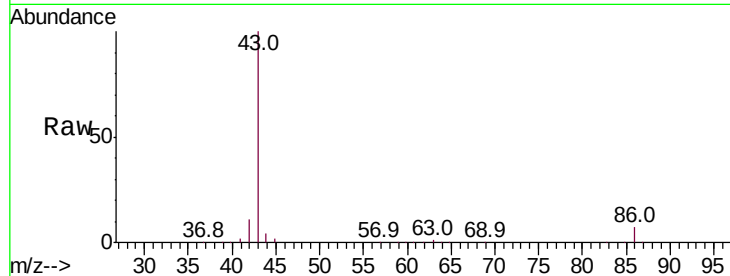
86 6.8 6.4 9.6

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#24

1,1-Dichloroethane

Concen: 50.534 ug/l

RT: 5.00 min Scan# 363

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

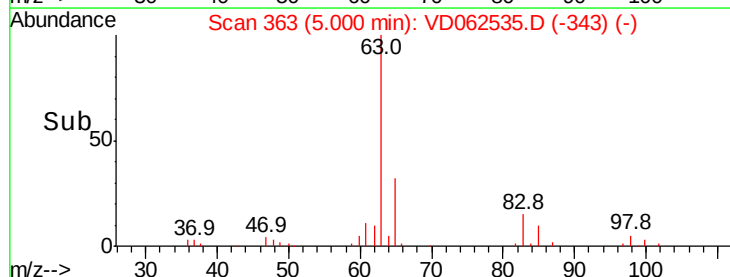
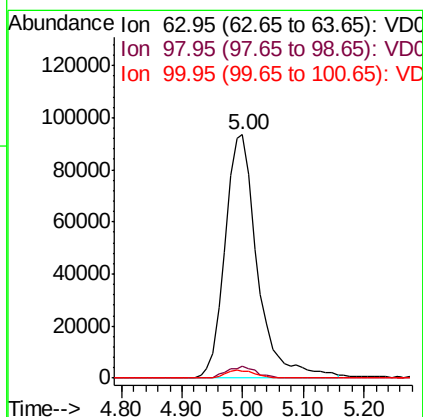
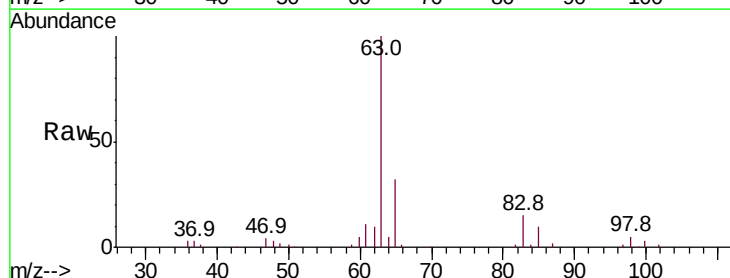
Tgt Ion: 63 Resp: 346127

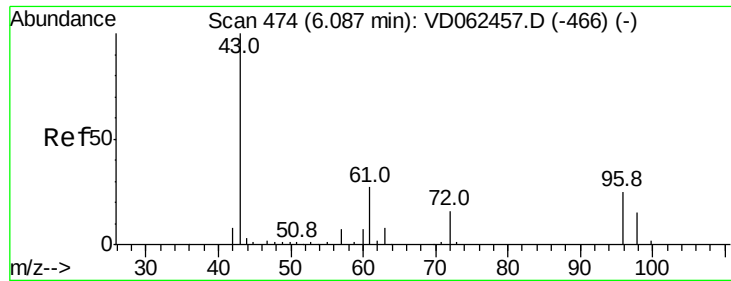
Ion Ratio Lower Upper

63 100

98 4.8 2.8 8.4

100 2.9 1.8 5.5





#25

2-Butanone

Concen: 262.381 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 240864

Ion Ratio Lower Upper

43 100

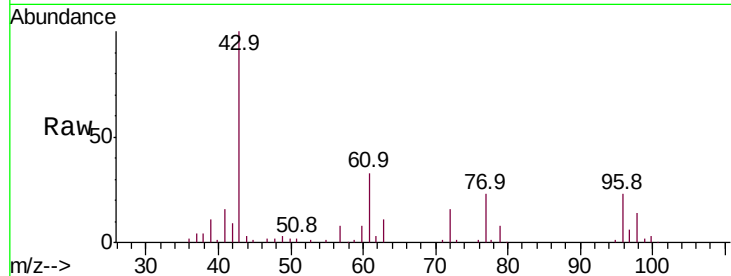
72 16.4 16.2 24.4

Manual Integrations

APPROVED

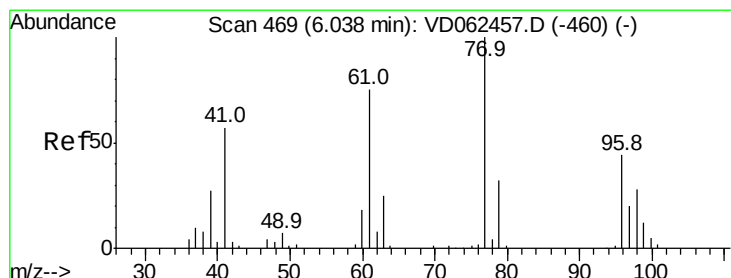
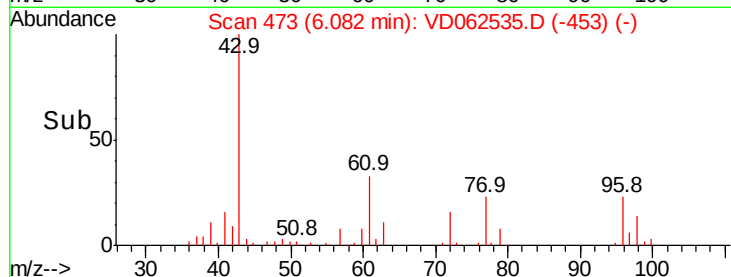
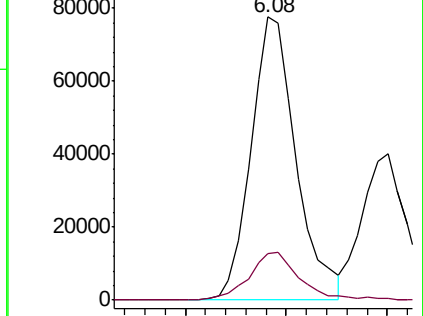
MMDadoda

5/29/2019 10:40:42 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 60.844 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD062535.D

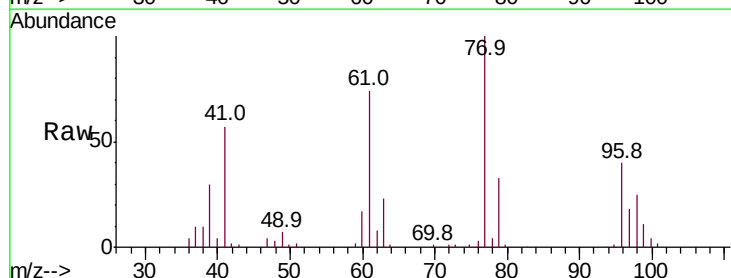
Acq: 28 May 2019 12:34

Tgt Ion: 77 Resp: 449230

Ion Ratio Lower Upper

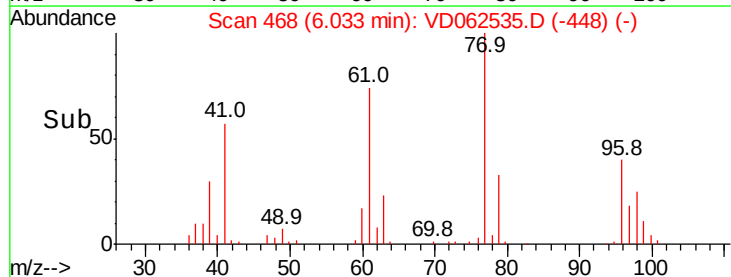
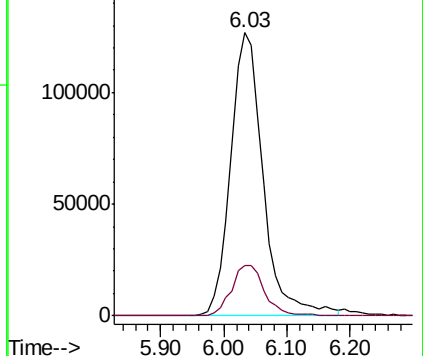
77 100

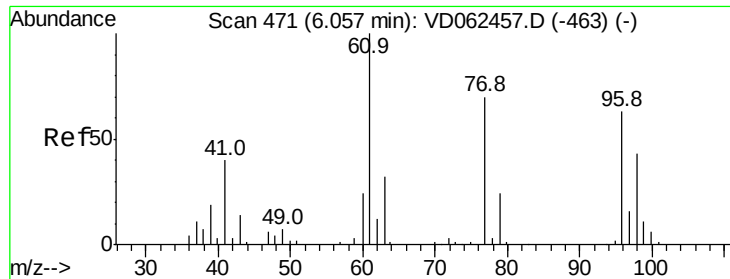
97 17.8 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

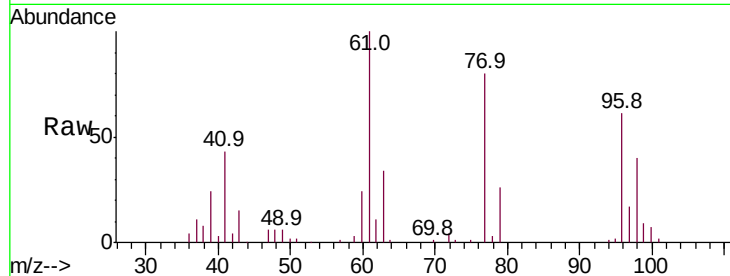
cis-1,2-Dichloroethene
 Concen: 50.122 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. -0.00 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	214400		
61	163.0	0.0	279.8	
98	65.6	0.0	136.0	

Manual Integrations
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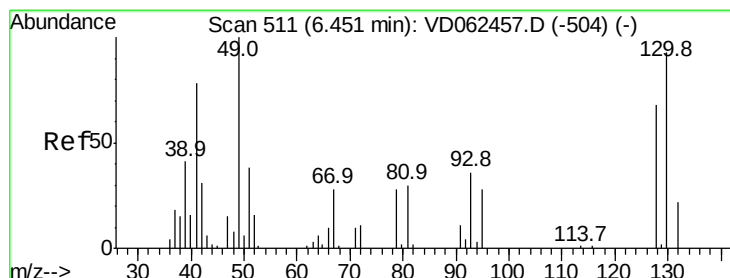
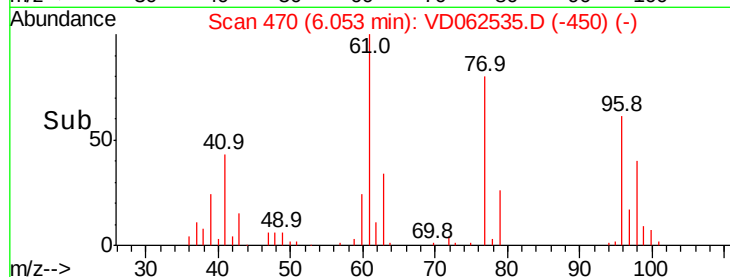
Abundance

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

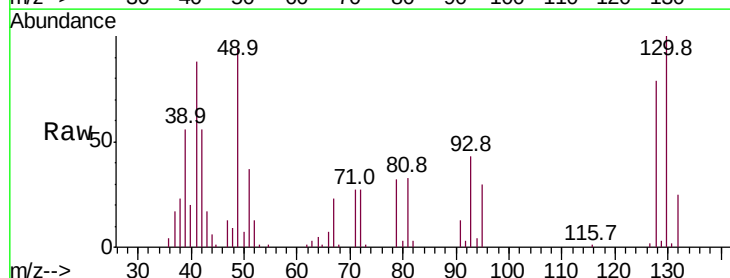
Time-->



#28

Bromochloromethane
 Concen: 48.367 ug/l
 RT: 6.46 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	118899		
129	2.8	0.0	6.6	
130	106.3	86.7	130.1	



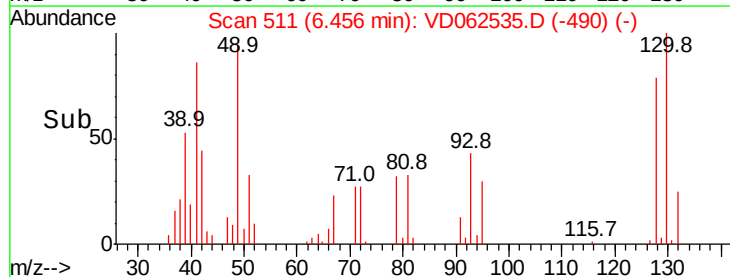
Abundance

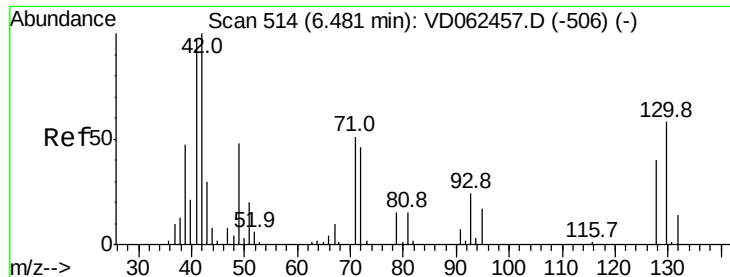
Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

Time-->





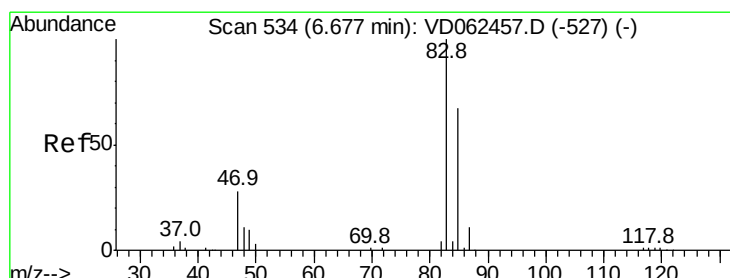
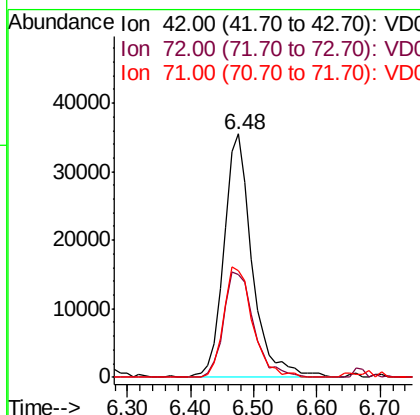
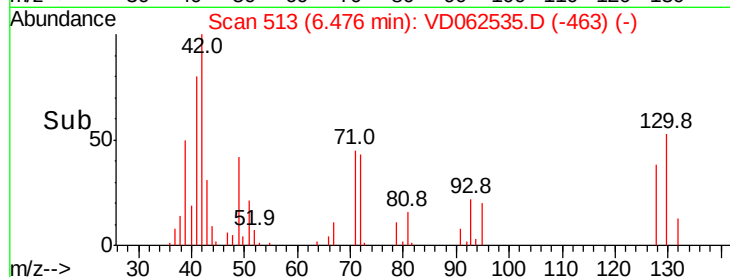
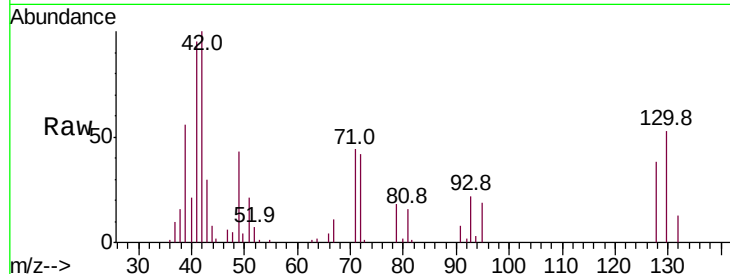
#29
Tetrahydrofuran
Concen: 250.129 ug/l
RT: 6.48 min Scan# 513
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.8	56.6
71	46.4	36.7	55.1

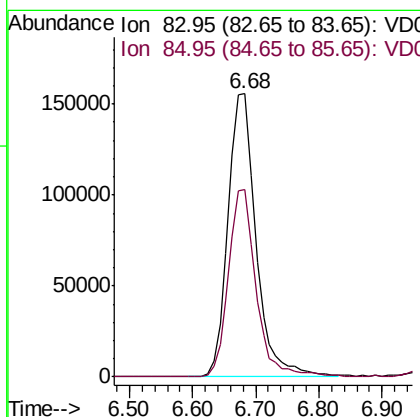
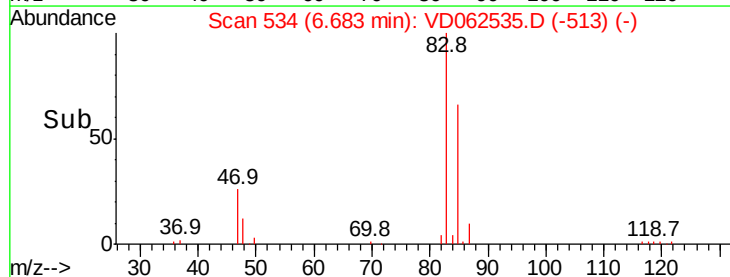
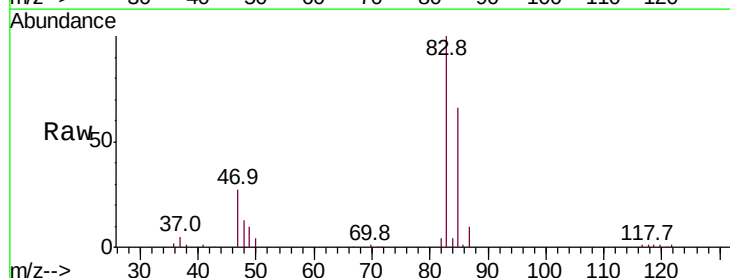
Manual Integrations
APPROVED

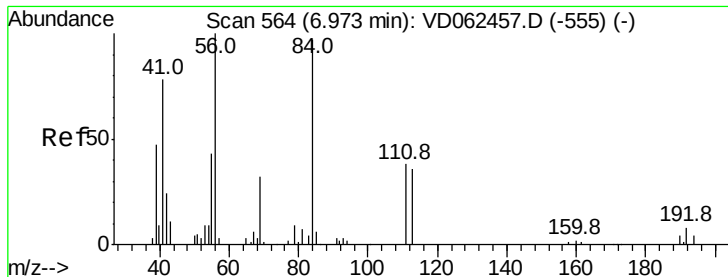
MMDadoda
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#30
Chloroform
Concen: 54.858 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.7	77.5





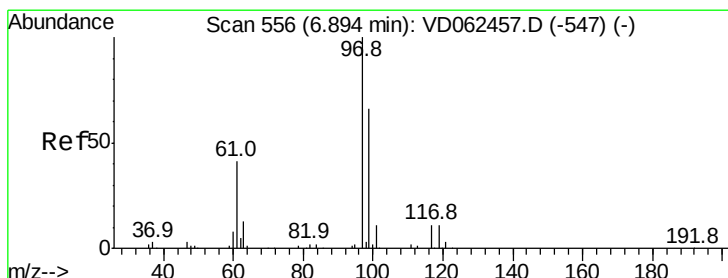
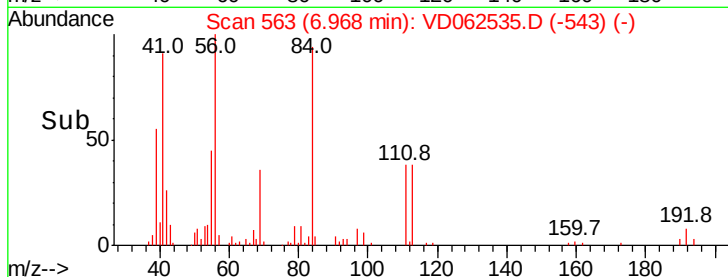
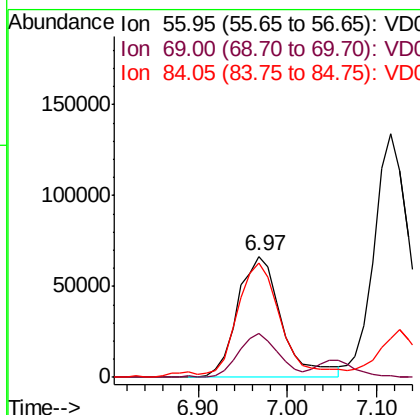
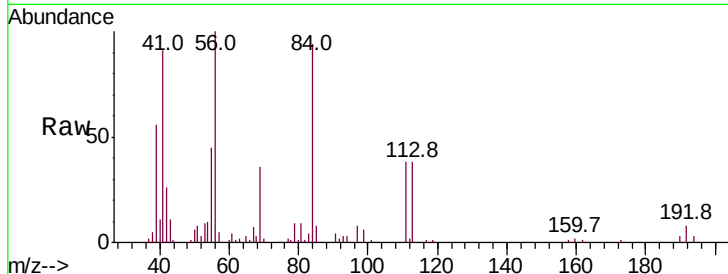
#31
Cyclohexane
Concen: 49.414 ug/l
RT: 6.97 min Scan# 563
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.0	25.8	38.6
84	94.3	72.2	108.4

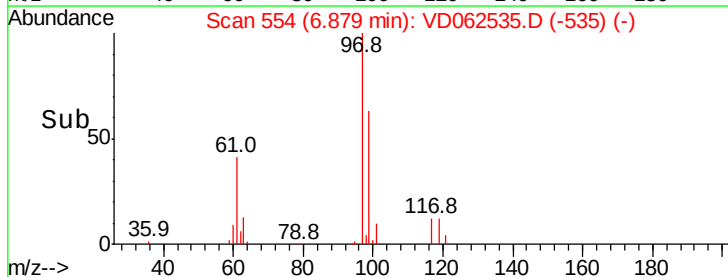
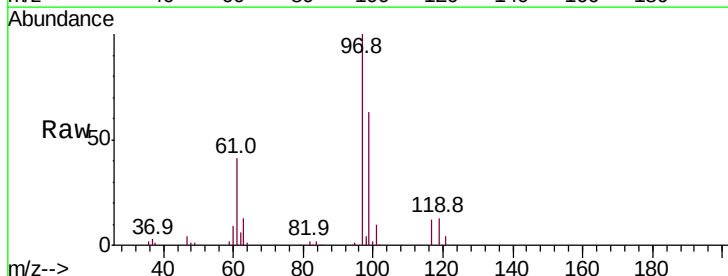
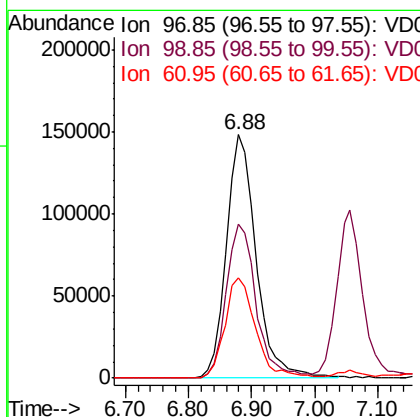
Manual Integrations
APPROVED

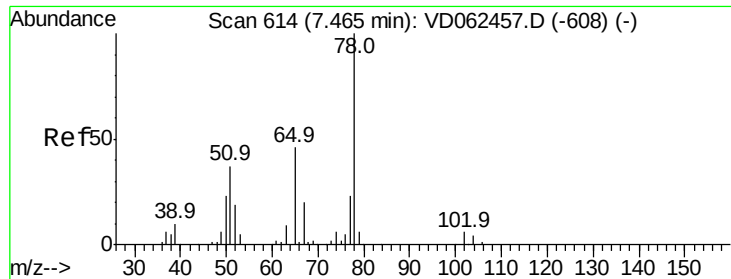
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 54.662 ug/l
RT: 6.88 min Scan# 554
Delta R.T. -0.01 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	52.2	78.2
61	41.0	32.4	48.6





#33

1,2-Dichloroethane-d4

Concen: 58.668 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 287350

Ion Ratio Lower Upper

65 100

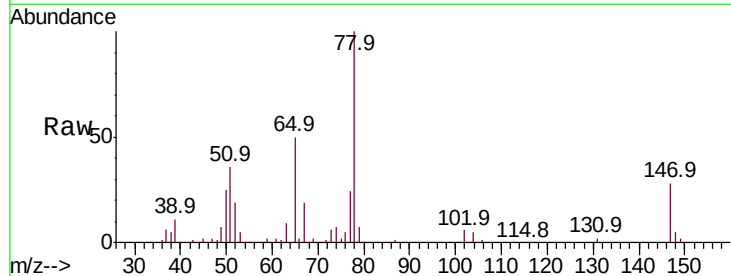
67 39.1 0.0 98.0

Manual Integrations

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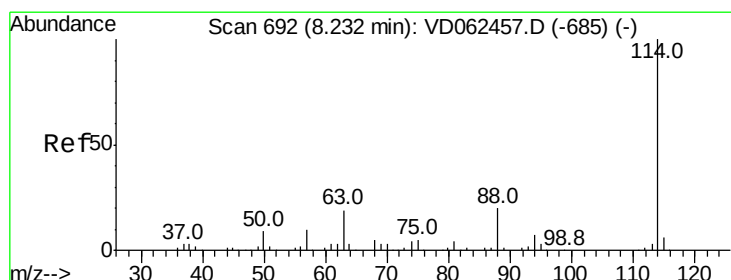
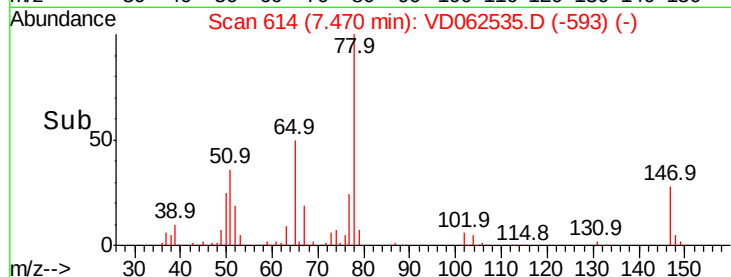
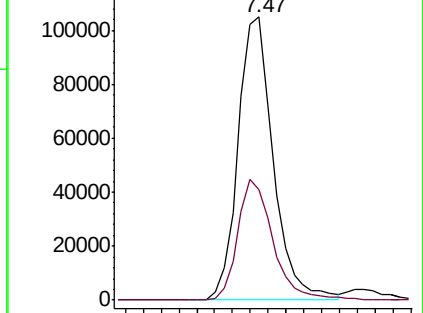
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

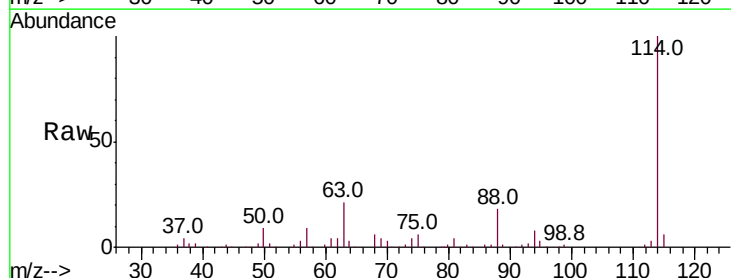
Tgt Ion:114 Resp: 616544

Ion Ratio Lower Upper

114 100

63 20.5 0.0 32.4

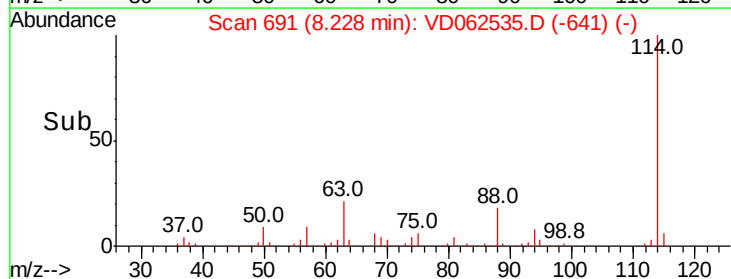
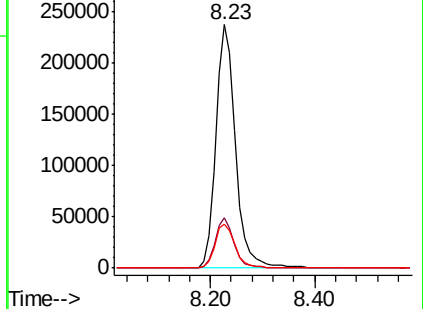
88 18.2 0.0 33.6

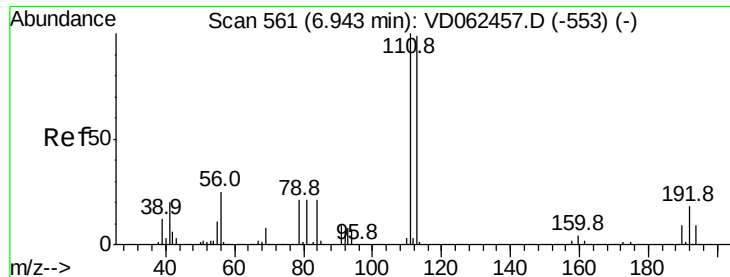


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 51.922 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

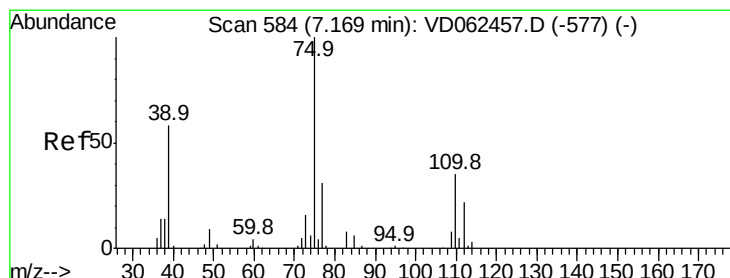
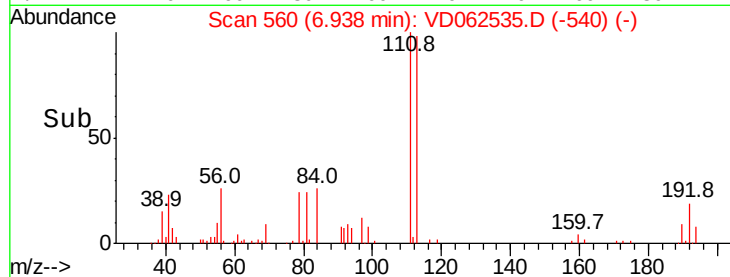
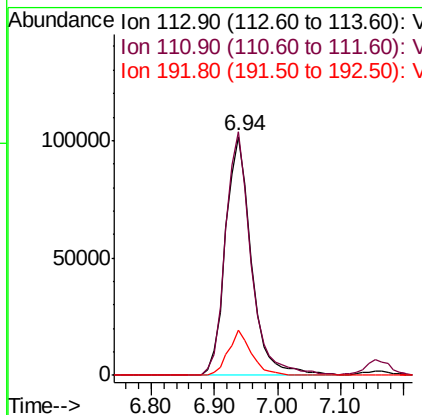
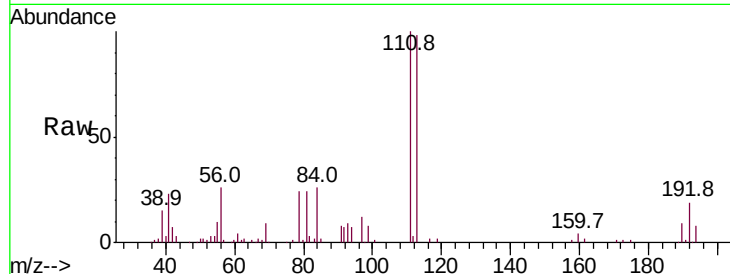
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	288791
Ion Ratio	Lower	Upper	
113	100		
111	101.9	78.5	117.7
192	19.0	13.0	19.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 55.647 ug/l

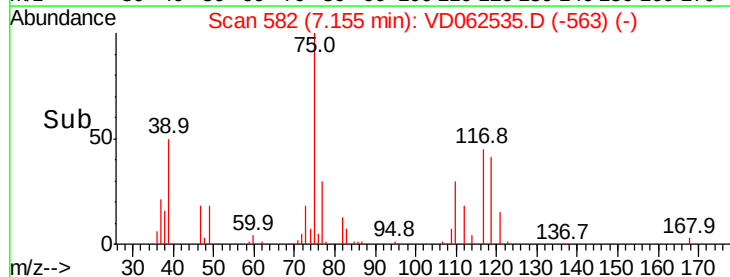
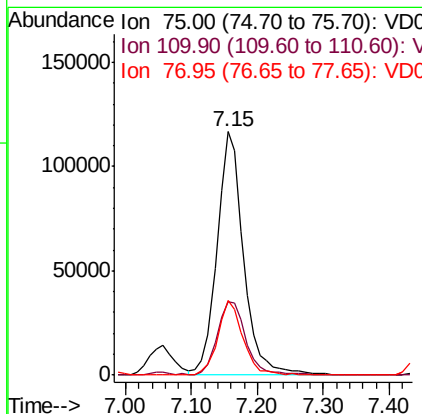
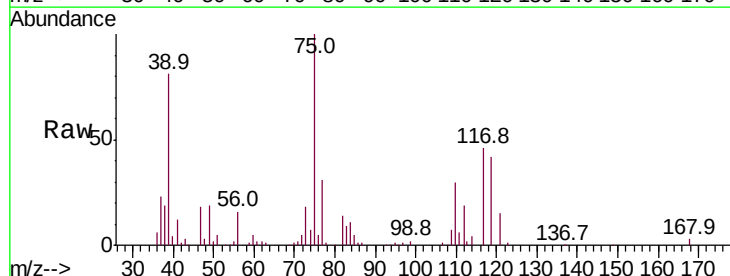
RT: 7.15 min Scan# 582

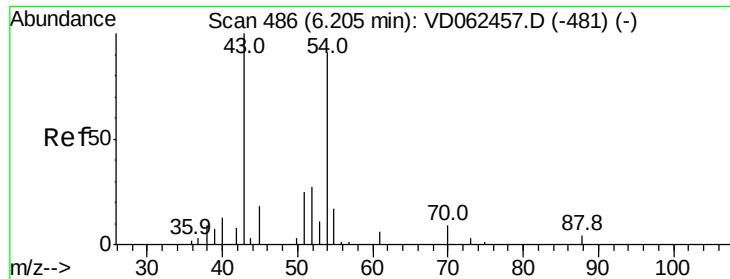
Delta R.T. -0.01 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Tgt Ion:	75	Resp:	328014
Ion Ratio	Lower	Upper	
75	100		
110	30.3	19.1	57.1
77	30.8	25.6	38.4





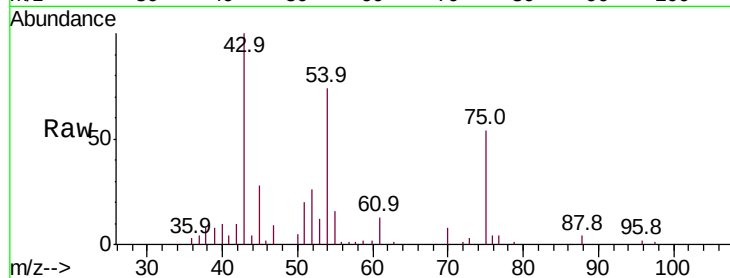
#37
Ethyl Acetate
Concen: 55.658 ug/l
RT: 6.20 min Scan# 485
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	14.7	22.1#
70	8.3	7.8	11.6

Manual Integrations
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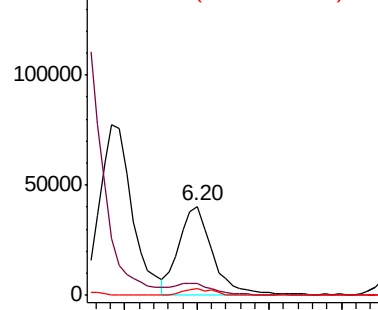
MMDadoda
5/29/2019 10:40:42 AM



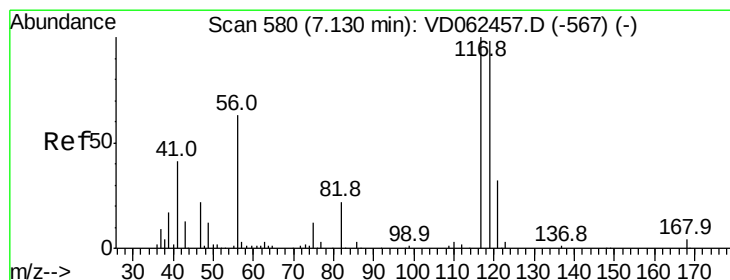
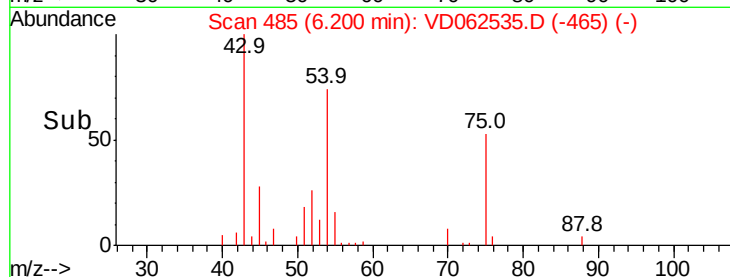
Abundance Ion 42.95 (42.65 to 43.65): VD062535.D (-485) (-)

Ion 60.95 (60.65 to 61.65): VD062535.D (-485) (-)

Ion 70.00 (69.70 to 70.70): VD062535.D (-485) (-)



Time-->



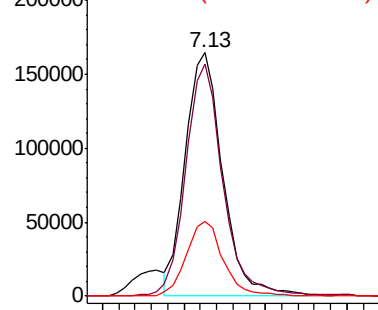
#38
Carbon Tetrachloride
Concen: 60.090 ug/l m
RT: 7.13 min Scan# 579
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.8	113.8
121	30.5	25.9	38.9

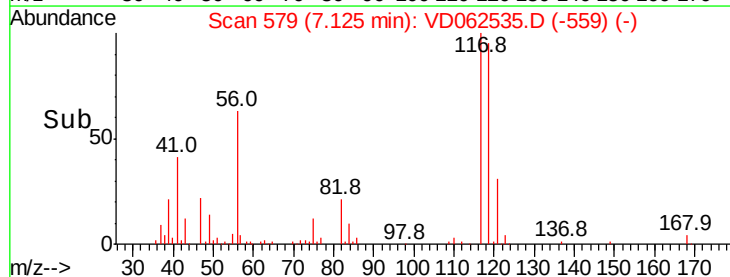
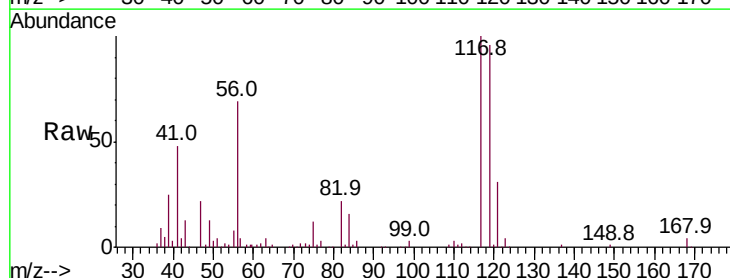
Abundance Ion 116.85 (116.55 to 117.55): VD062535.D (-559) (-)

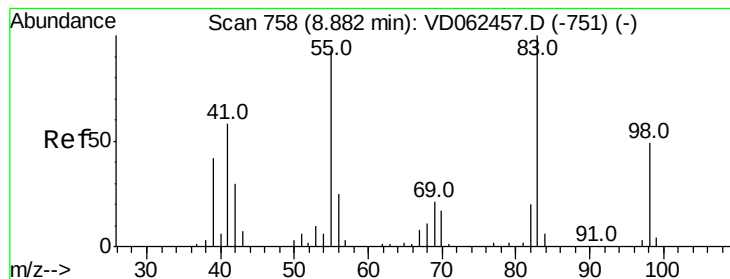
Ion 118.85 (118.55 to 119.55): VD062535.D (-559) (-)

Ion 120.85 (120.55 to 121.55): VD062535.D (-559) (-)



Time-->





#39

Methylvlcyclohexane

Concen: 53.190 ug/l

RT: 8.88 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 258601

Ion Ratio Lower Upper

83 100

55 94.5 68.2 102.4

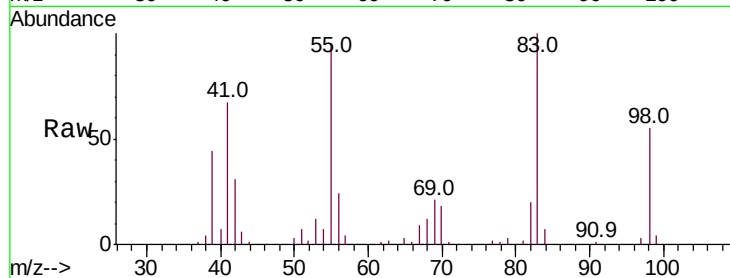
98 54.7 38.2 57.4

Manual Integrations

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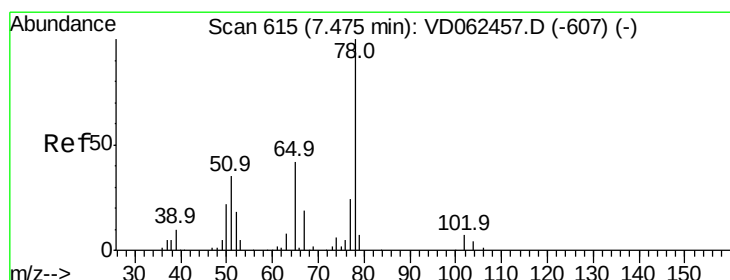
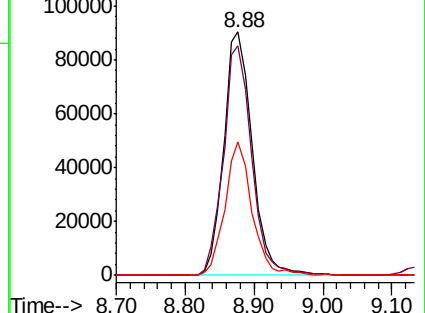
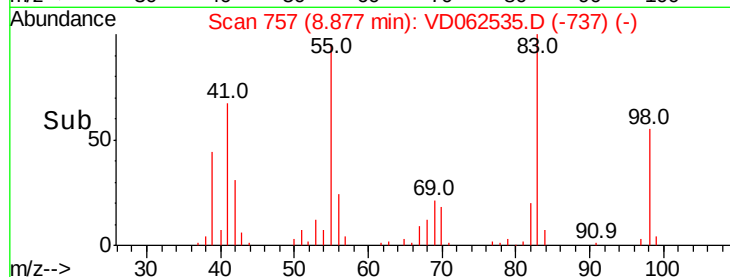
5/29/2019 10:40:42 AM



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 51.771 ug/l

RT: 7.47 min Scan# 614

Delta R.T. -0.00 min

Lab File: VD062535.D

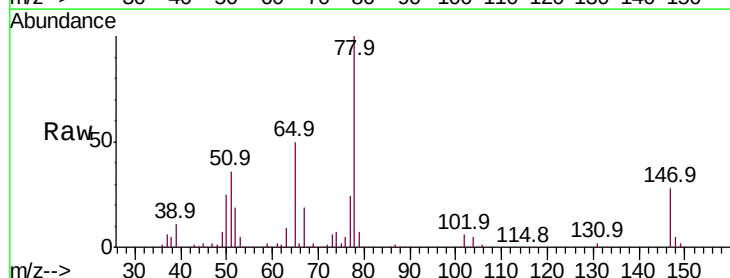
Acq: 28 May 2019 12:34

Tgt Ion: 78 Resp: 598593

Ion Ratio Lower Upper

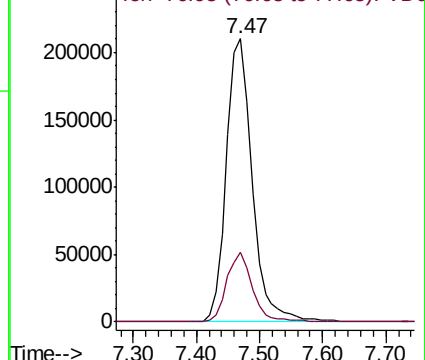
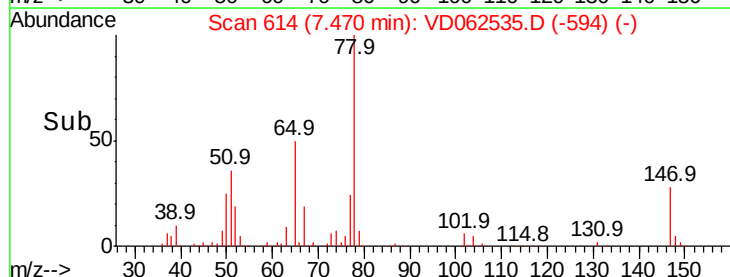
78 100

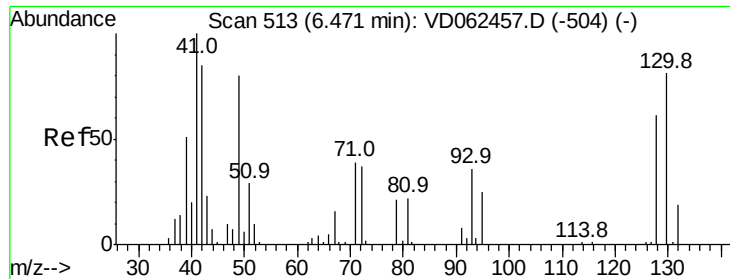
77 24.4 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 54.025 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 155377
Ion Ratio Lower Upper

41 100

39 63.8 34.1 51.1#

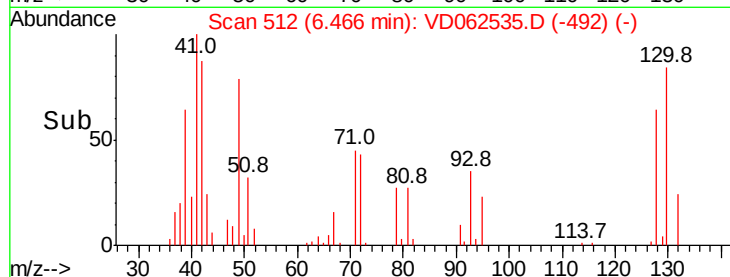
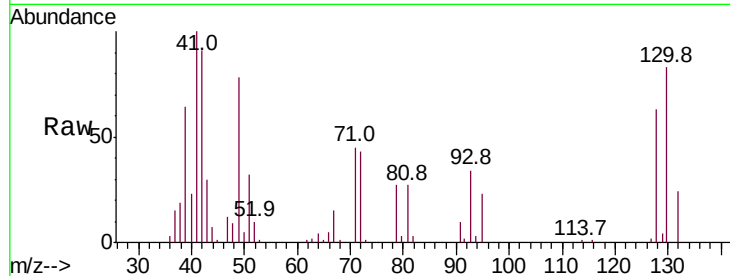
67 15.5 23.8 35.6#

52 10.2 8.8 13.2

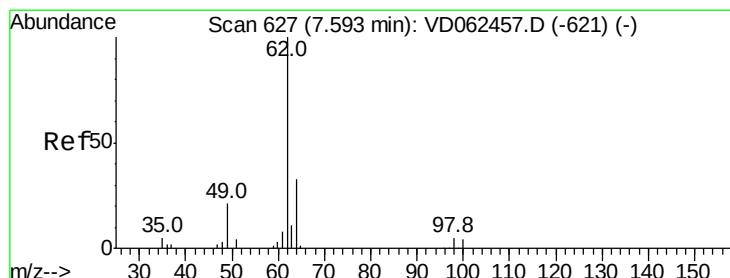
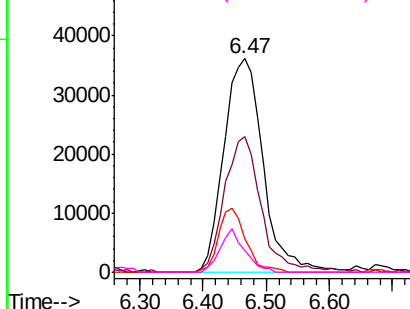
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Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 55.581 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.00 min

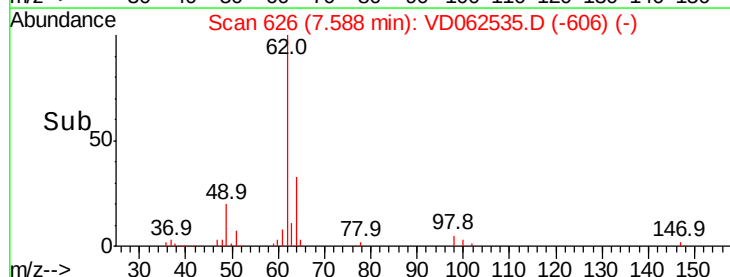
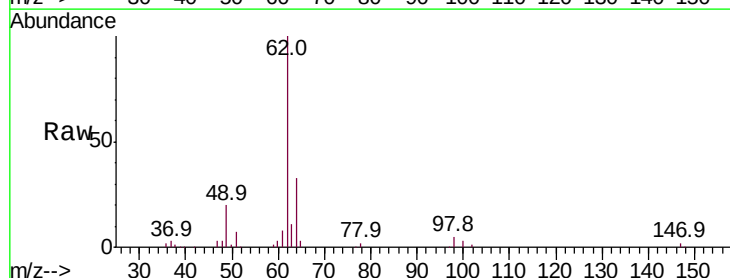
Lab File: VD062535.D

Acq: 28 May 2019 12:34

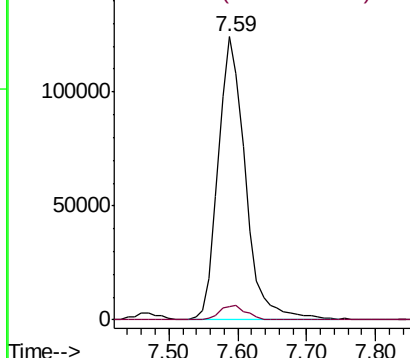
Tgt Ion: 62 Resp: 340303
Ion Ratio Lower Upper

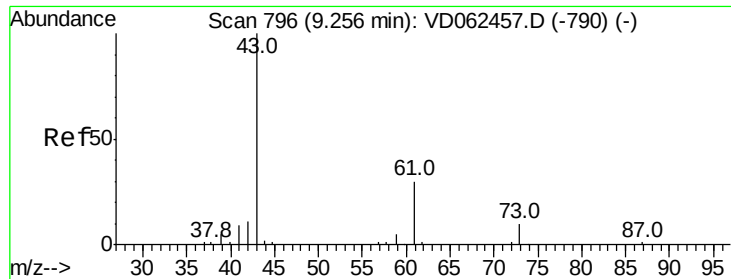
62 100

98 4.9 0.0 17.8



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





#43

Isopropyl Acetate

Concen: 54.304 ug/l

RT: 9.25 min Scan# 795

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 164967

Ion Ratio Lower Upper

43 100

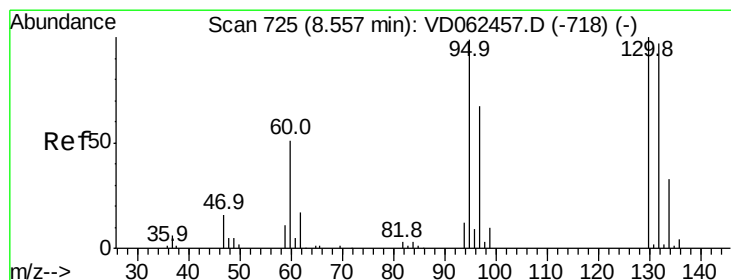
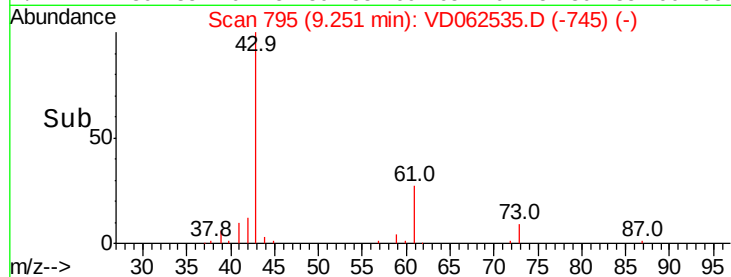
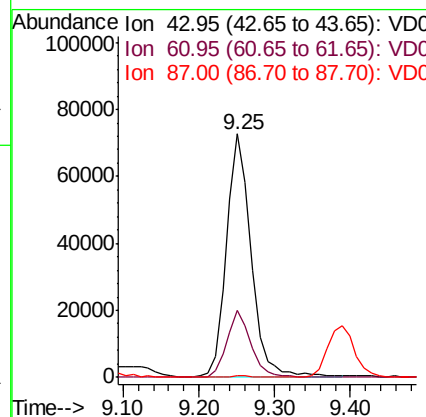
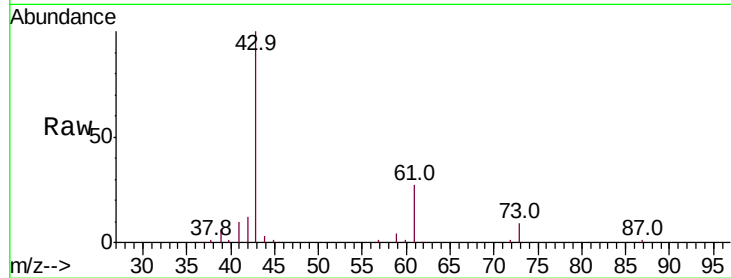
61 27.4 25.1 37.7

87 0.6 0.0 0.0#

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#44

Trichloroethene

Concen: 52.196 ug/l

RT: 8.55 min Scan# 724

Delta R.T. -0.00 min

Lab File: VD062535.D

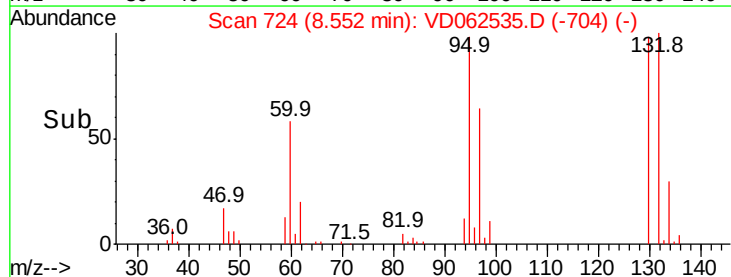
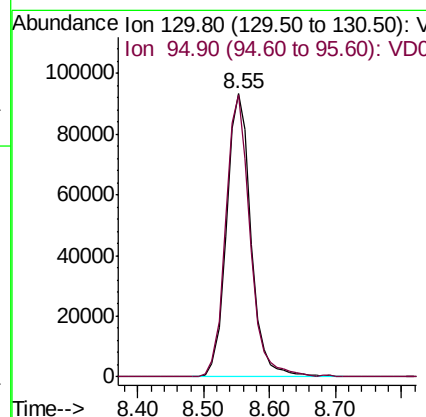
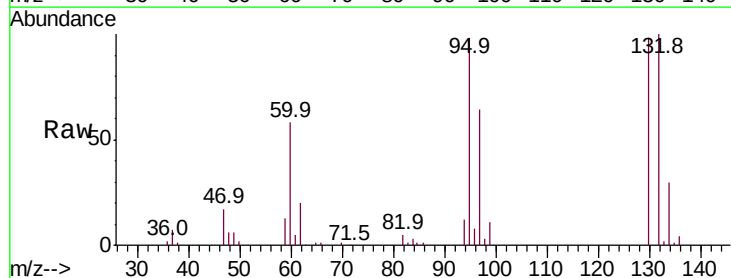
Acq: 28 May 2019 12:34

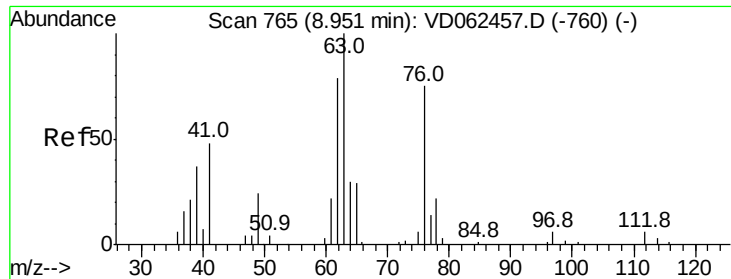
Tgt Ion: 130 Resp: 241639

Ion Ratio Lower Upper

130 100

95 99.8 0.0 174.0





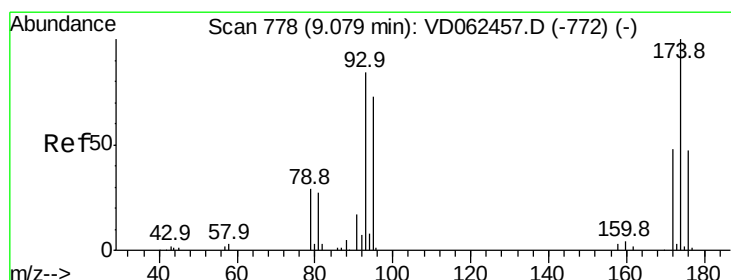
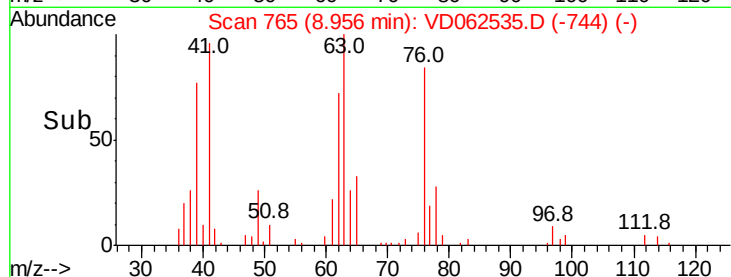
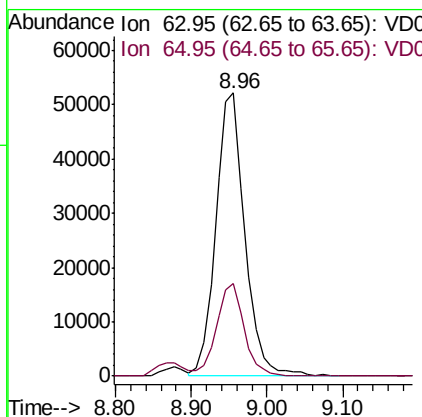
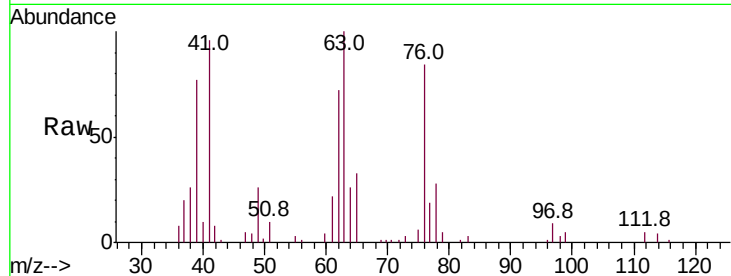
#45
 1,2-Dichloropropane
 Concen: 49.240 ug/l
 RT: 8.96 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 138745
 Ion Ratio Lower Upper
 63 100
 65 32.6 23.8 35.6

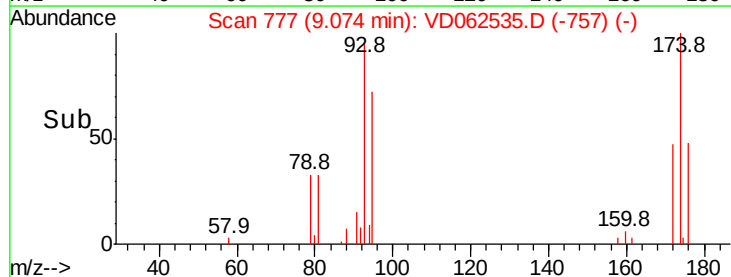
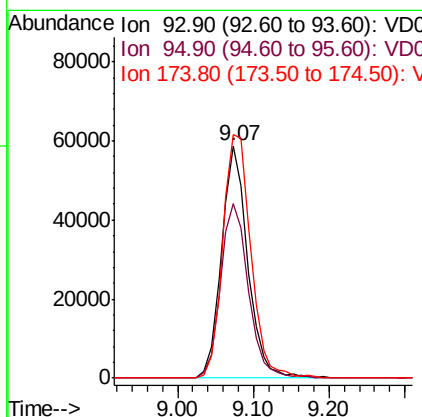
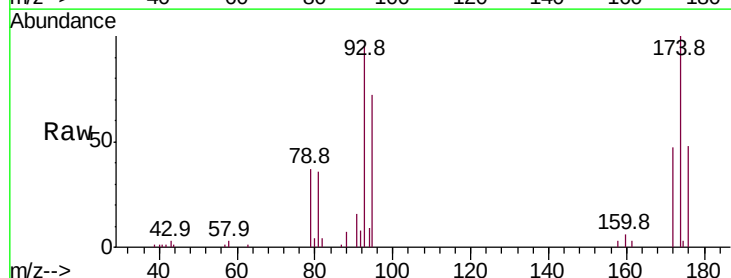
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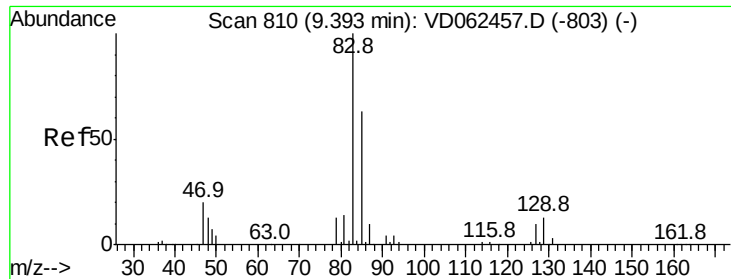
MMDadoda
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#46
 Dibromomethane
 Concen: 55.323 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. -0.00 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Tgt Ion: 93 Resp: 141304
 Ion Ratio Lower Upper
 93 100
 95 75.1 64.8 97.2
 174 104.7 79.3 118.9





#47

Bromodichloromethane

Concen: 54.777 ug/l

RT: 9.39 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

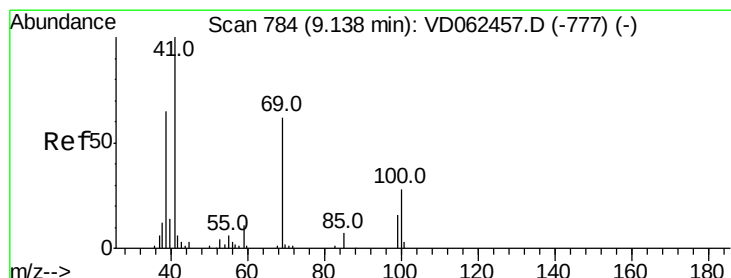
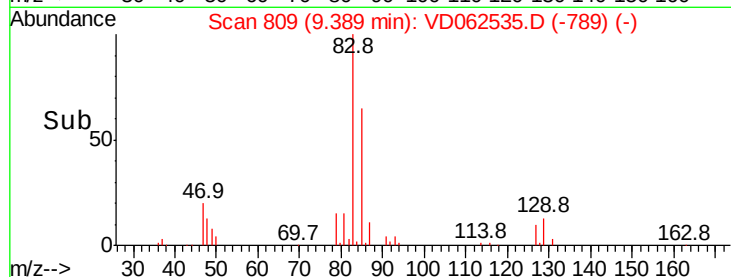
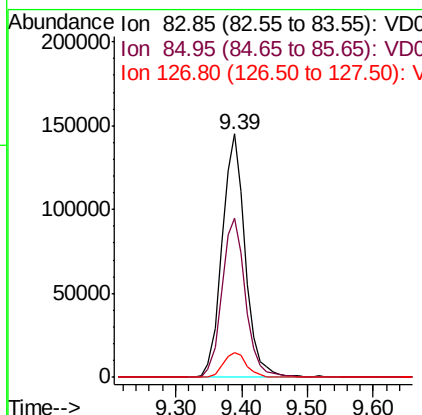
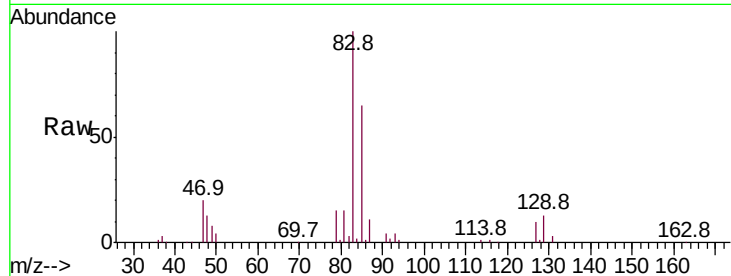
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	355917
Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.9	76.3
127	10.1	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.581 ug/l

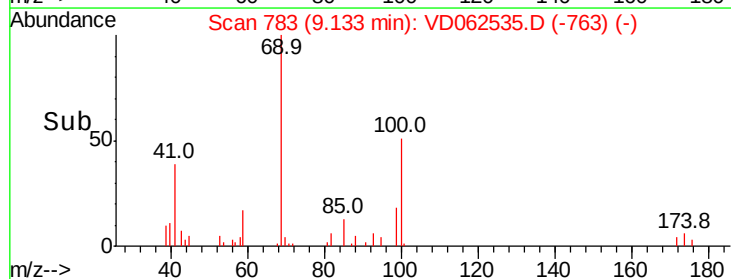
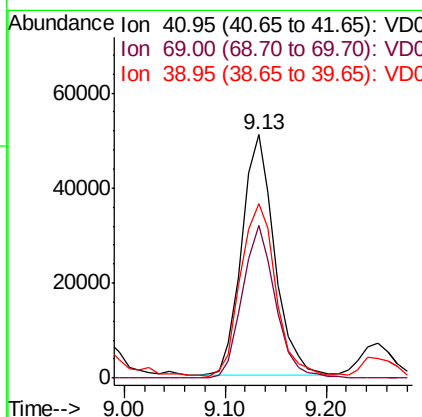
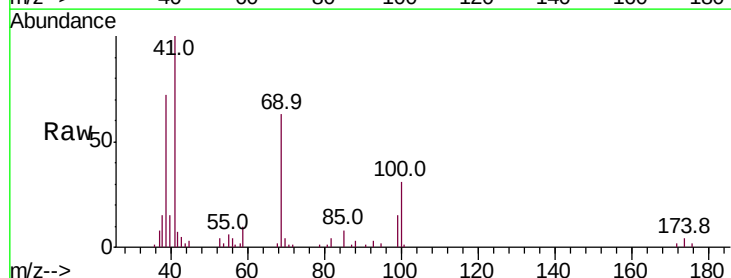
RT: 9.13 min Scan# 783

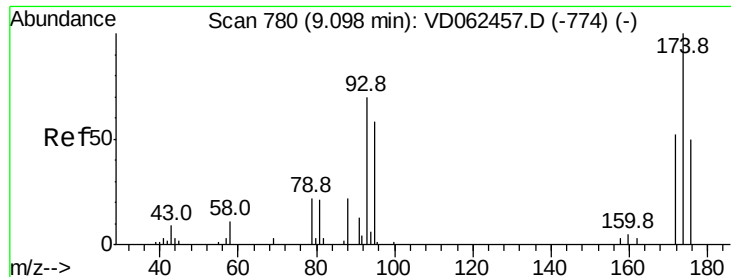
Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Tgt Ion:	41	Resp:	113626
Ion	Ratio	Lower	Upper
41	100		
69	62.5	64.2	96.2#
39	71.9	46.8	70.2#





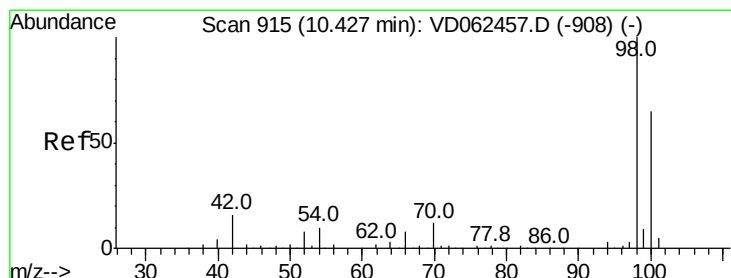
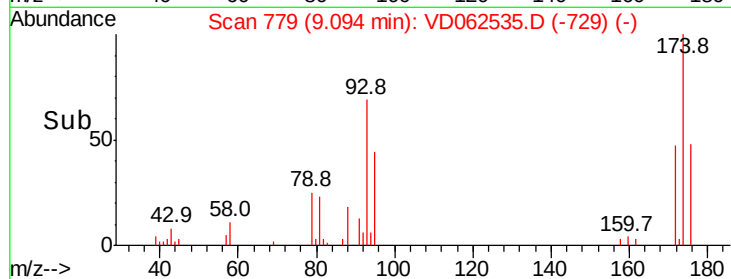
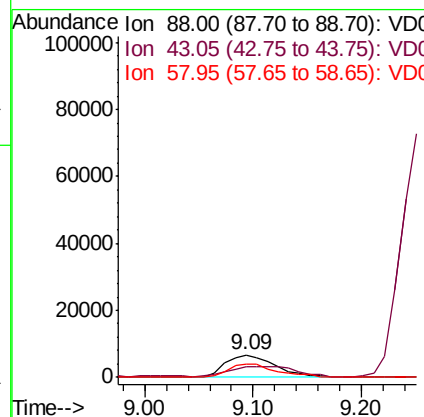
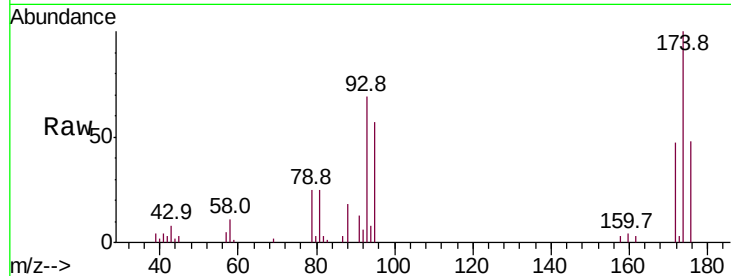
#49
 1,4-Dioxane
 Concen: 1169.936 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.0	23.4	35.0#
58	61.2	44.0	66.0

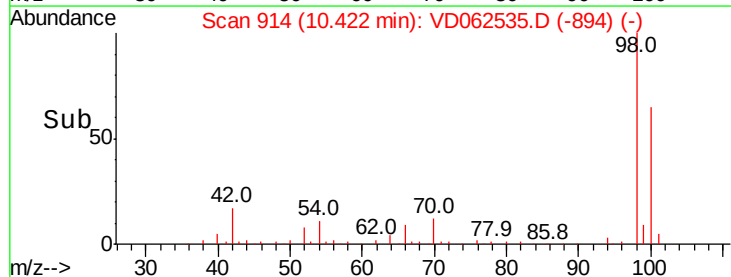
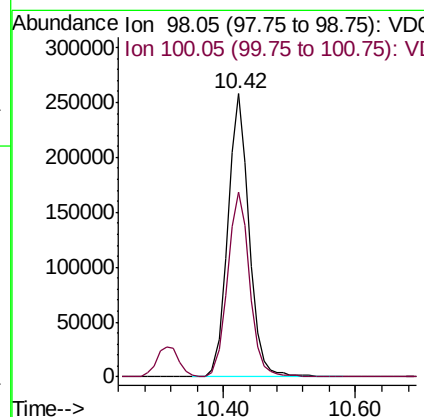
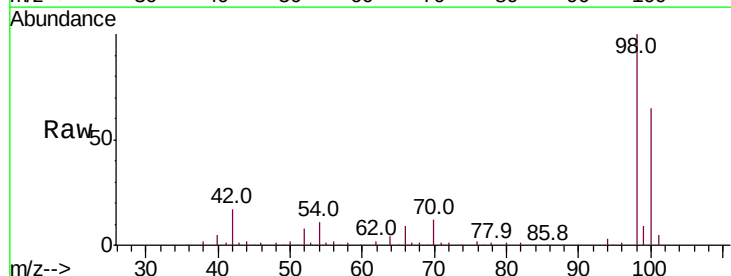
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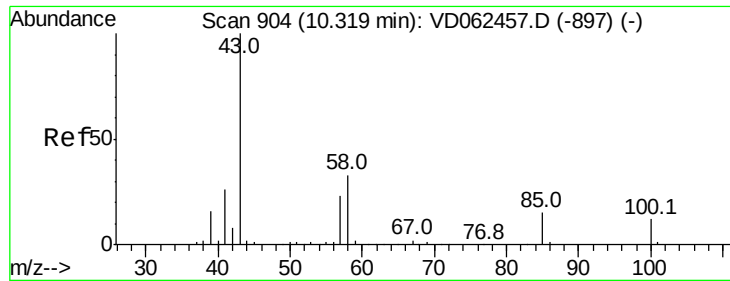
MMDadoda
 5/29/2019 10:40:42 AM



#50
 Toluene-d8
 Concen: 47.765 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	53.8	80.8





#51

4-Methyl-2-Pentanone

Concen: 279.971 ug/l

RT: 10.31 min Scan# 903

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Tot Ion: 43 Resp: 561865

Ion Ratio Lower Upper

43 100

58 33.4 30.4 45.6

Instrument :

MSVOA_D

ClientSampleId :

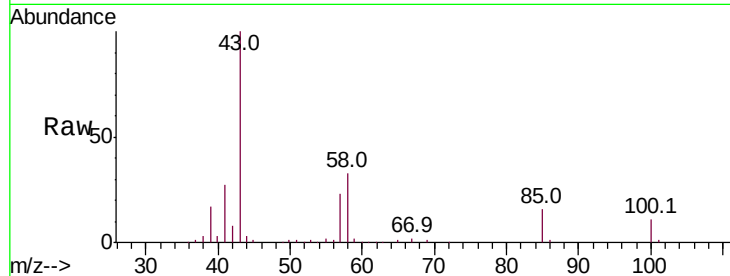
VSTDCCC050

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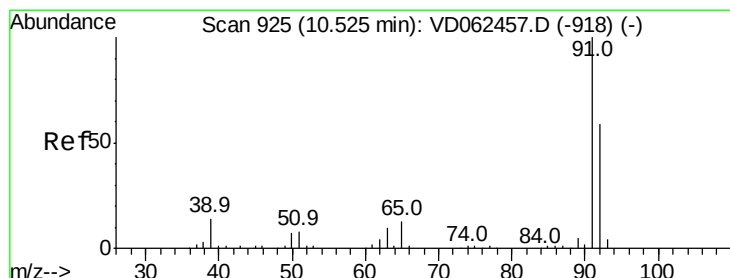
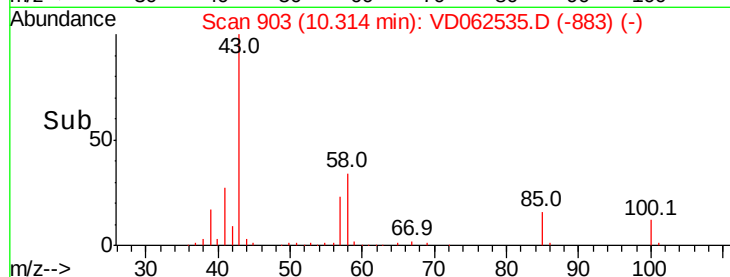
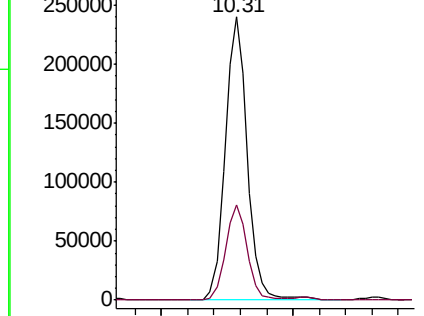
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 53.286 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD062535.D

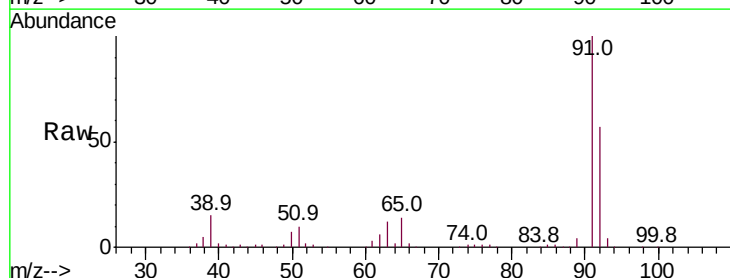
Acq: 28 May 2019 12:34

Tgt Ion: 92 Resp: 421781

Ion Ratio Lower Upper

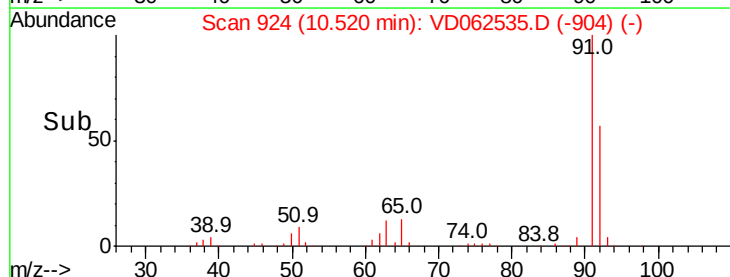
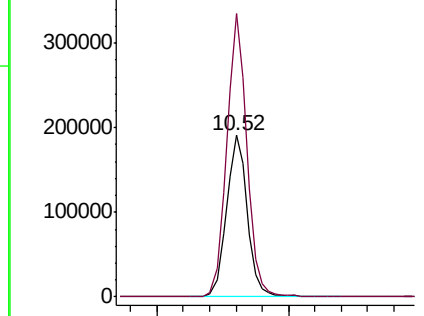
92 100

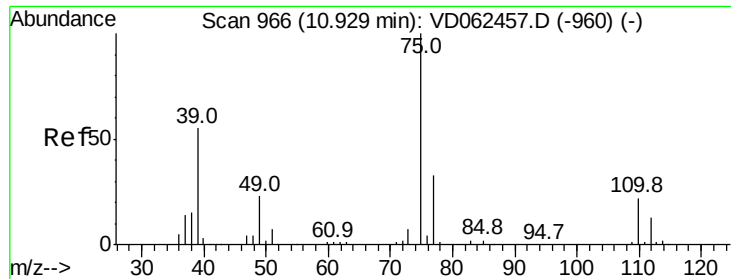
91 175.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 56.696 ug/l

RT: 10.92 min Scan# 965

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 306699

Ion Ratio Lower Upper

75 100

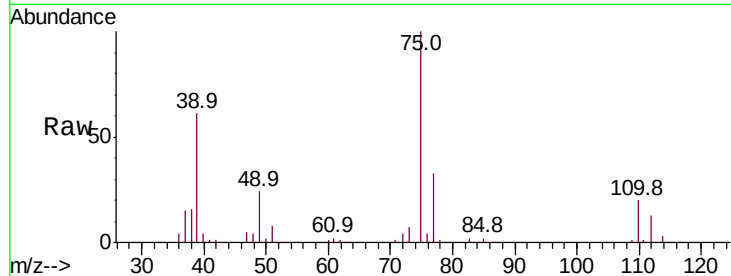
77 33.4 25.8 38.8

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.92

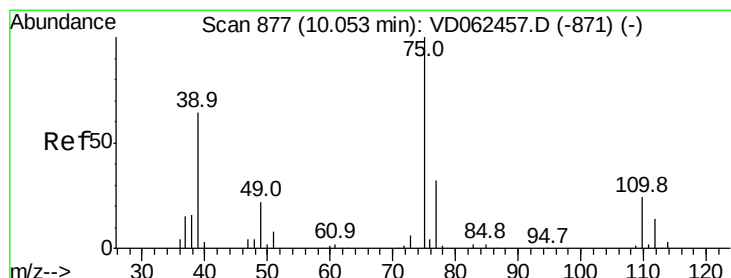
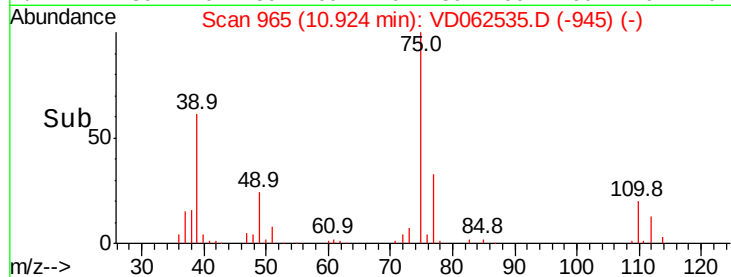
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 55.461 ug/l

RT: 10.05 min Scan# 876

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

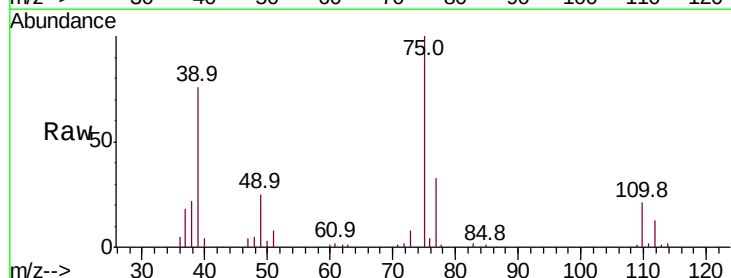
Tgt Ion: 75 Resp: 313053

Ion Ratio Lower Upper

75 100

77 32.9 25.5 38.3

39 76.1 39.4 59.2#



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

200000

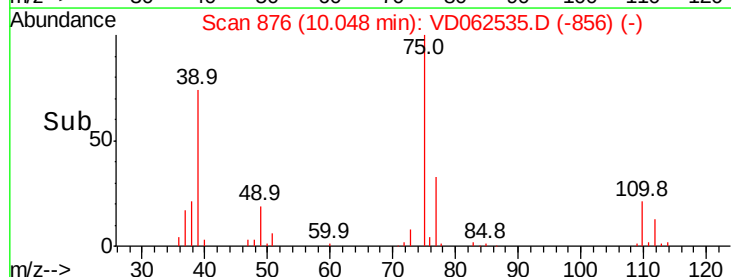
150000

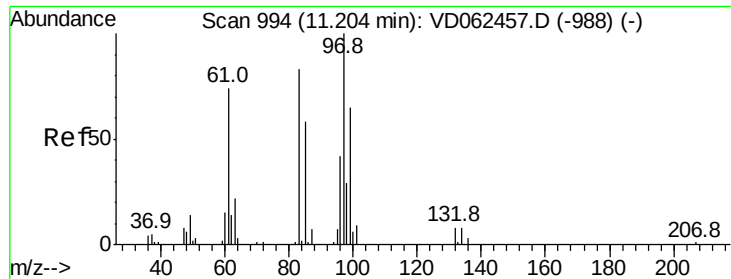
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 53.210 ug/l

RT: 11.20 min Scan# 993

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 142746

Ion Ratio Lower Upper

97 100

83 87.4 65.7 98.5

85 54.5 45.6 68.4

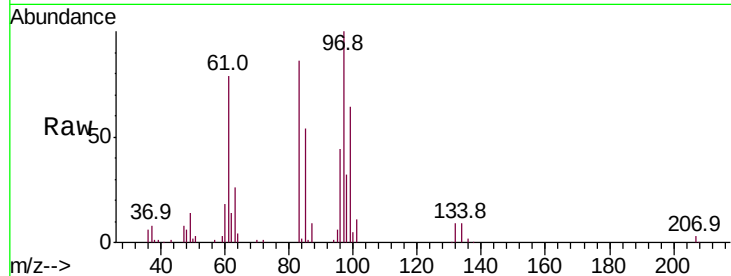
99 63.6 48.4 72.6

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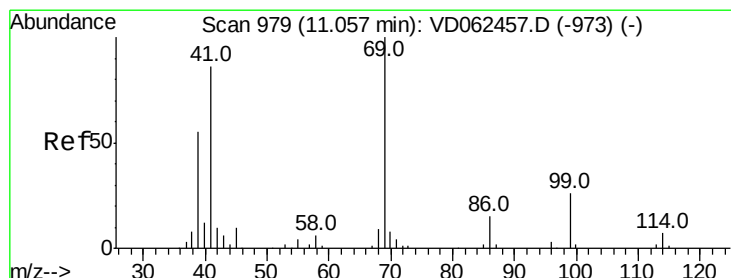
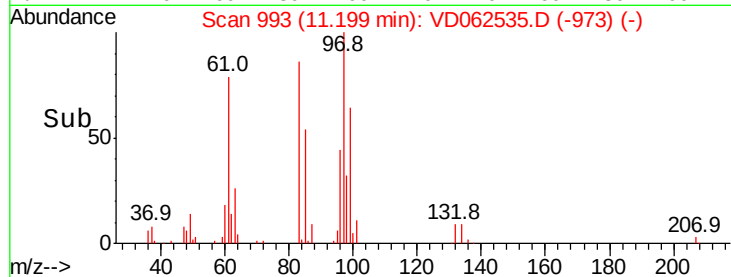
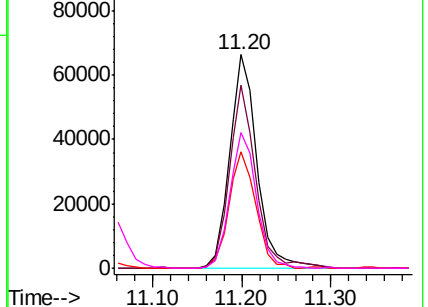


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 53.097 ug/l

RT: 11.05 min Scan# 978

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

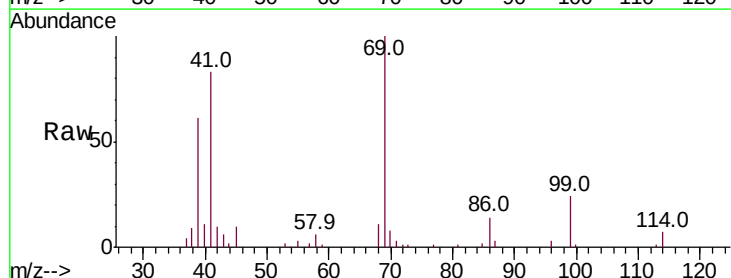
Tgt Ion: 69 Resp: 152273

Ion Ratio Lower Upper

69 100

41 82.8 56.3 84.5

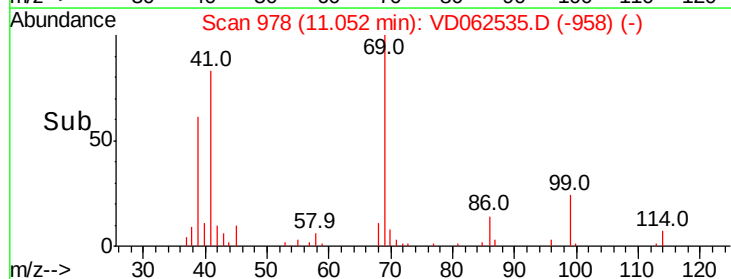
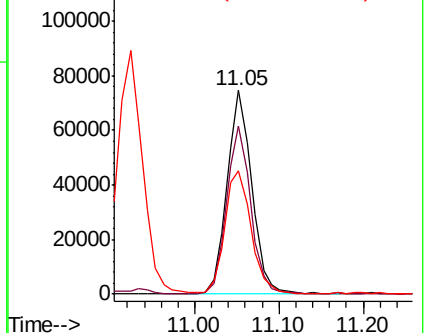
39 60.7 29.4 44.2#

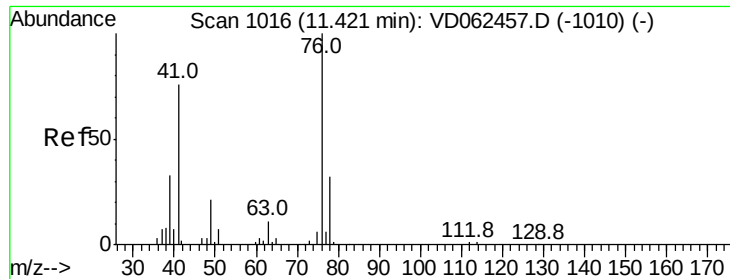


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 53.023 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 218144

Ion Ratio Lower Upper

76 100

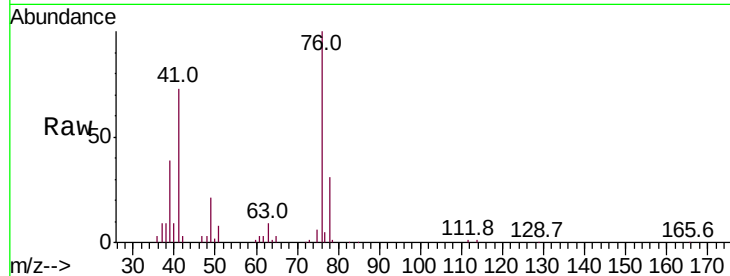
78 31.2 26.2 39.2

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.42

120000

100000

80000

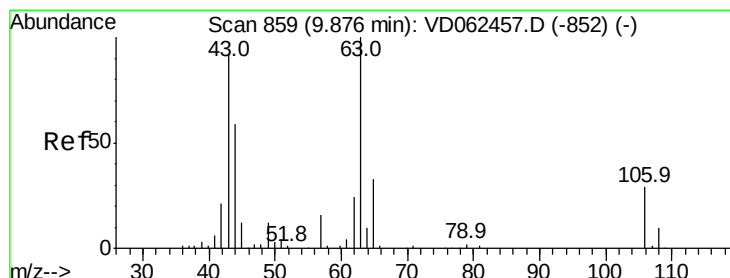
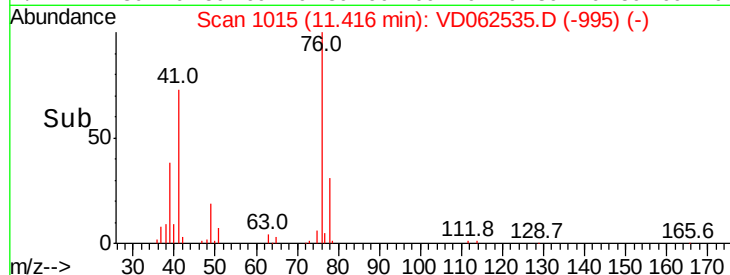
60000

40000

20000

0

Time--> 11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 247.679 ug/l

RT: 9.87 min Scan# 858

Delta R.T. -0.00 min

Lab File: VD062535.D

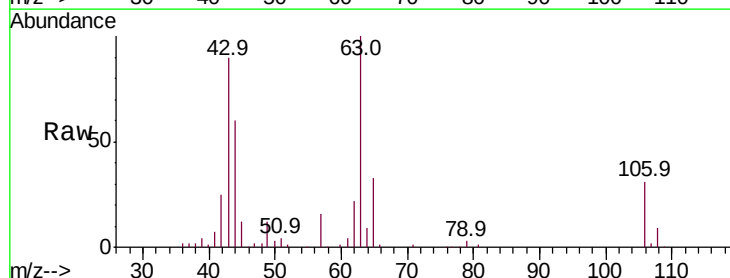
Acq: 28 May 2019 12:34

Tgt Ion: 63 Resp: 364735

Ion Ratio Lower Upper

63 100

106 30.5 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.87

200000

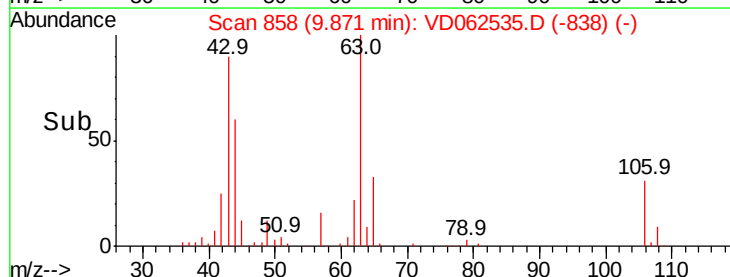
150000

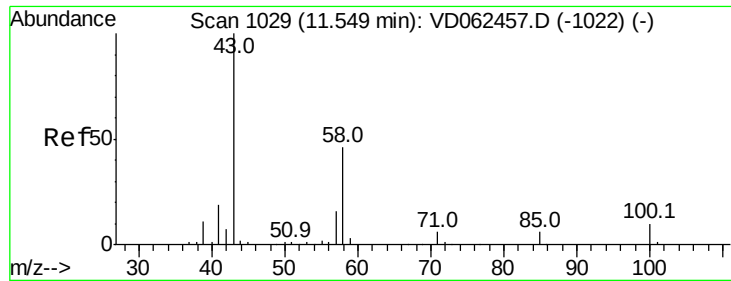
100000

50000

0

Time--> 9.70 9.80 9.90 10.00





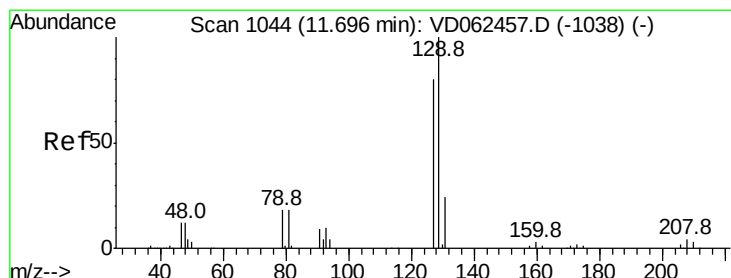
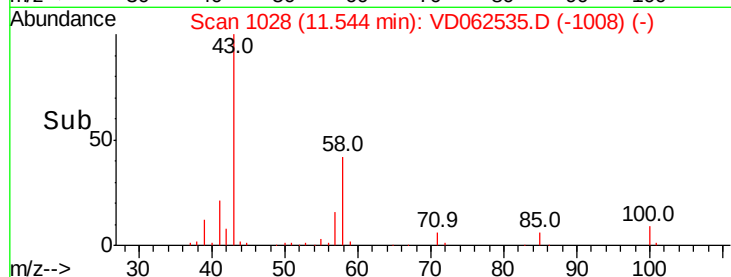
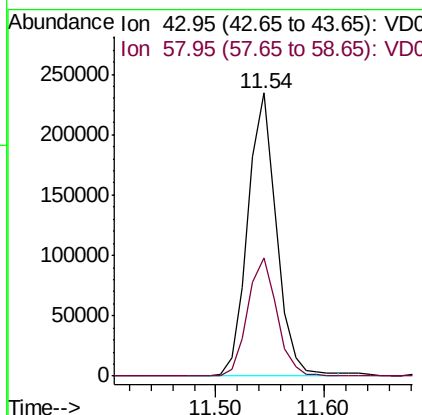
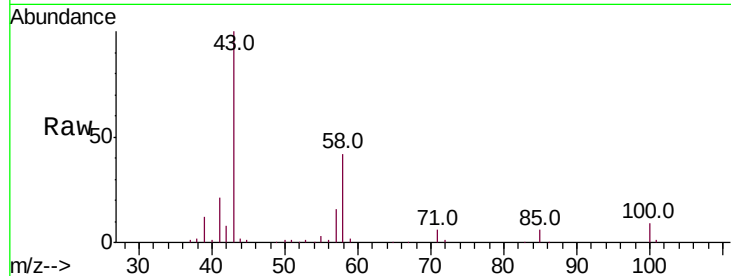
#59
2-Hexanone
Concen: 295.365 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 430805
Ion Ratio Lower Upper
43 100
58 41.8 25.4 76.4

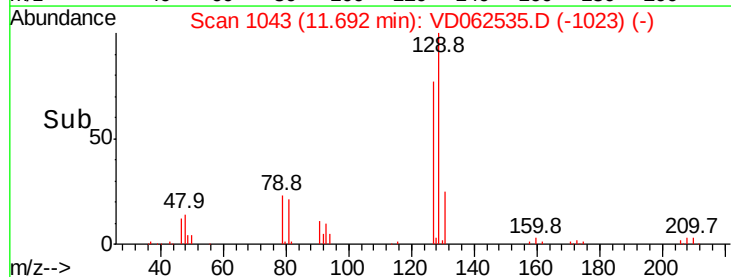
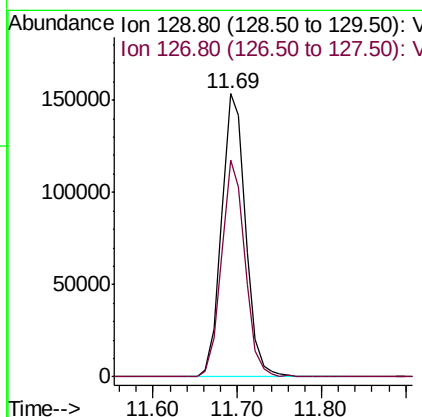
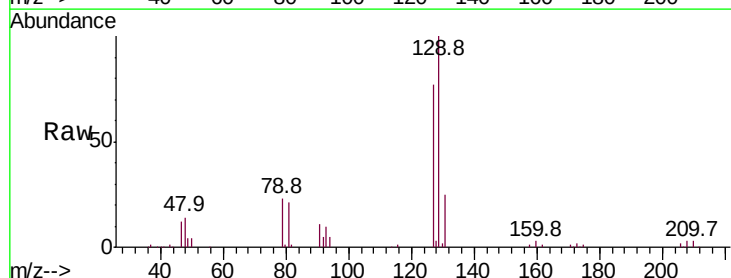
Manual Integrations
APPROVED

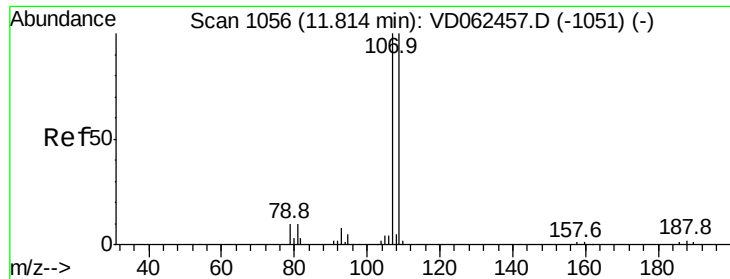
MMDadoda
5/29/2019 10:40:42 AM



#60
Dibromochloromethane
Concen: 58.918 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Tgt Ion: 129 Resp: 303583
Ion Ratio Lower Upper
129 100
127 76.7 38.0 113.9





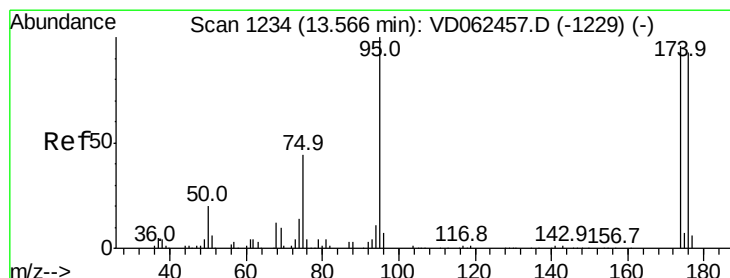
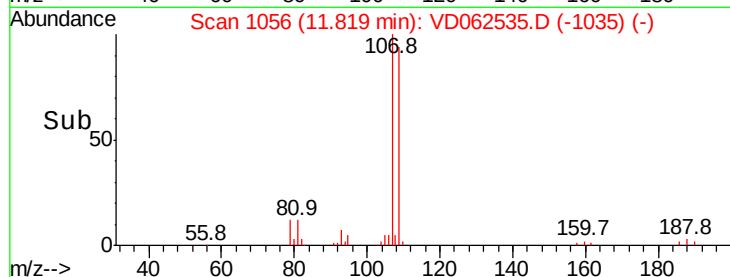
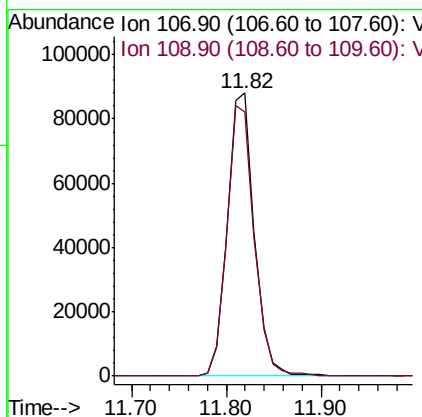
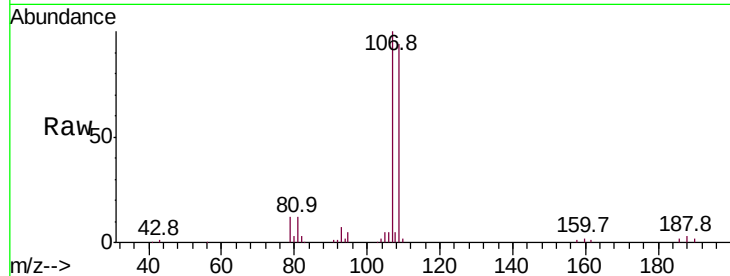
#61
 1,2-Dibromoethane
 Concen: 51.921 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	78.3	117.5

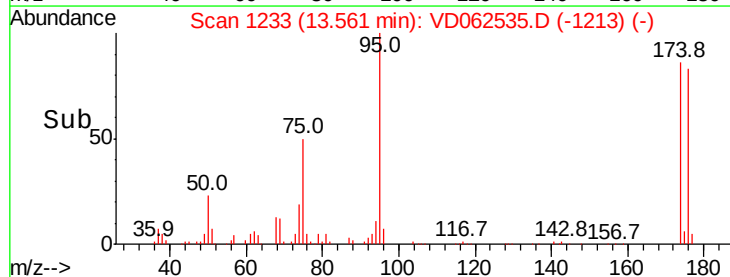
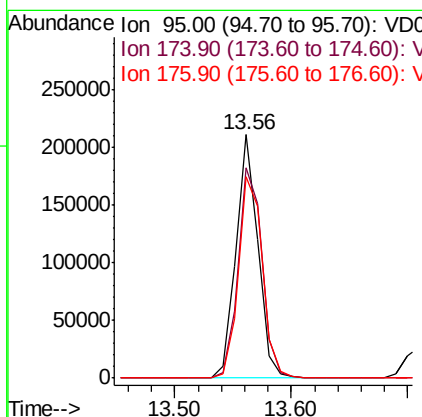
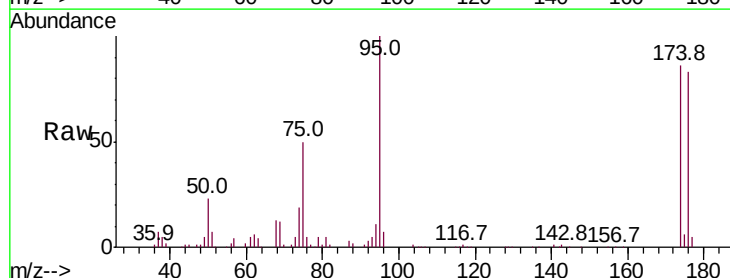
Manual Integrations
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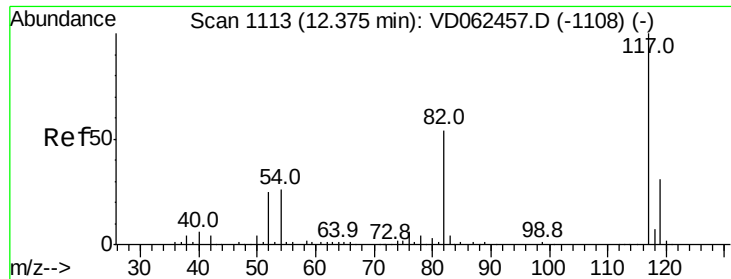
MMDadoda
 5/29/2019 10:40:42 AM



#62
 4-Bromofluorobenzene
 Concen: 51.754 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.1	0.0	181.8
176	82.7	0.0	174.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.38 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

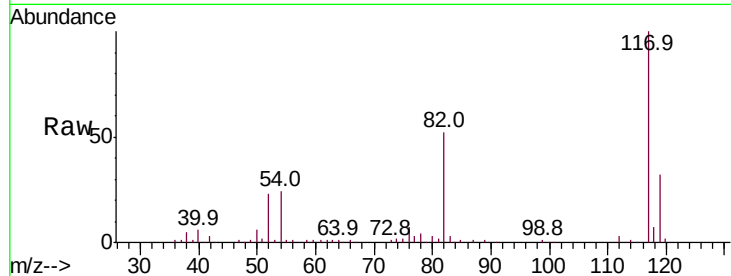
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	520391
Ion Ratio	Lower	Upper	
117	100		
82	52.2	36.2	54.2
119	32.0	26.2	39.4

Manual Integrations
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MMDadoda
5/29/2019 10:40:42 AM

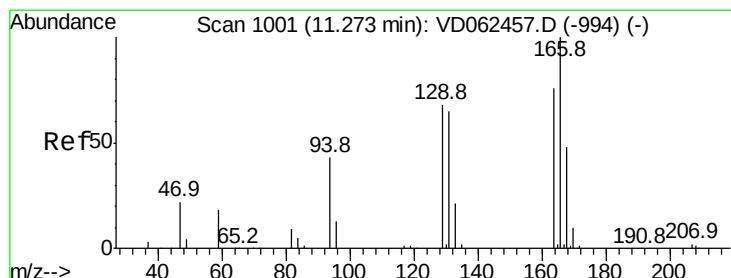
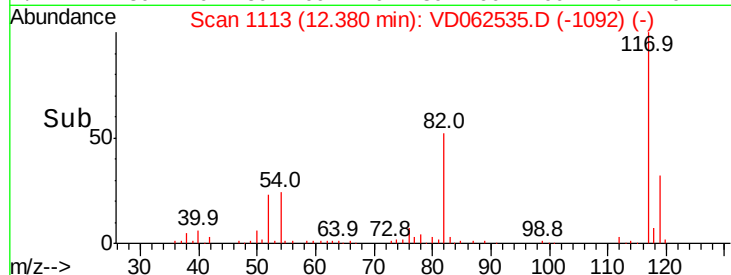
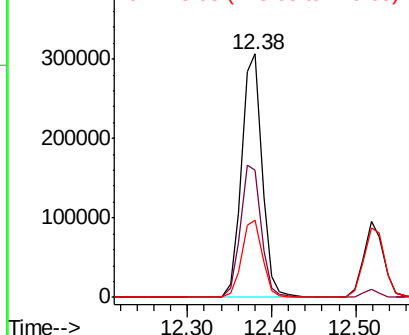


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 53.616 ug/l

RT: 11.27 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Tgt Ion:	164	Resp:	233618
Ion Ratio	Lower	Upper	
164	100		
166	131.9	101.5	152.3
129	89.0	74.6	112.0
131	93.1	72.6	108.8

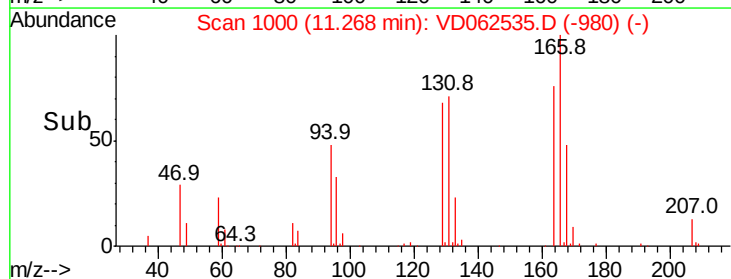
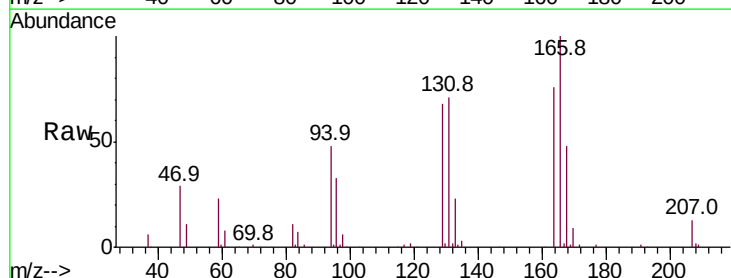
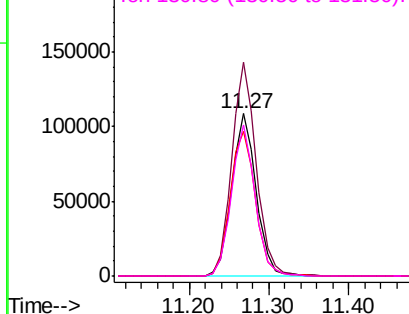
Abundance

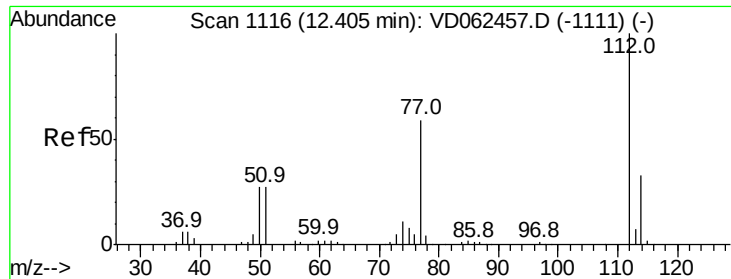
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





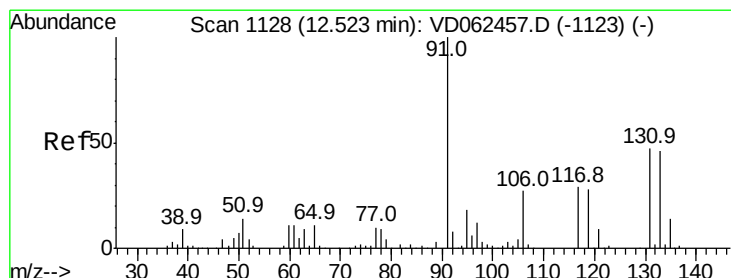
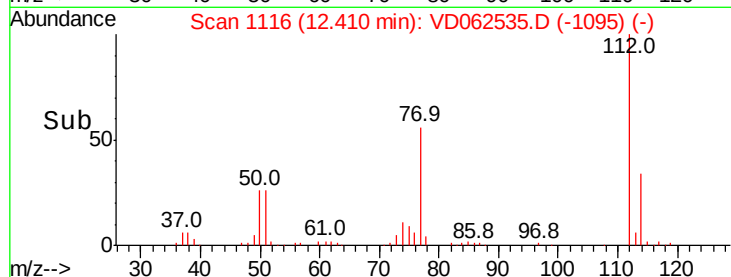
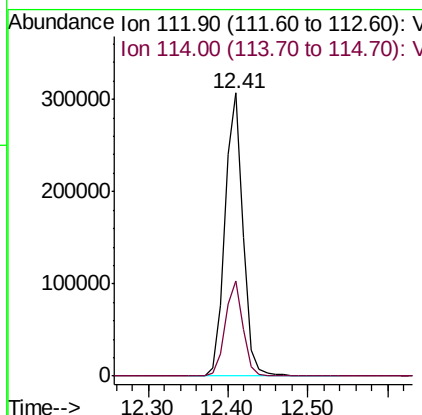
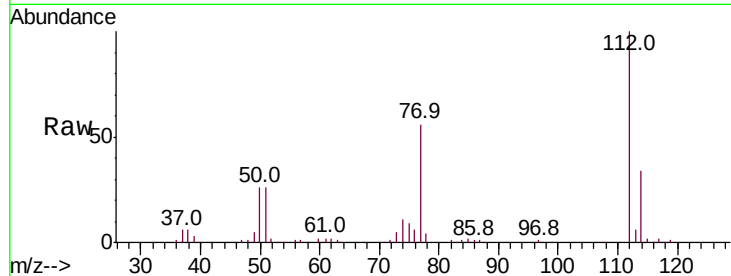
#65
Chlorobenzene
Concen: 48.953 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	489895		
114	33.9	25.8	38.8	

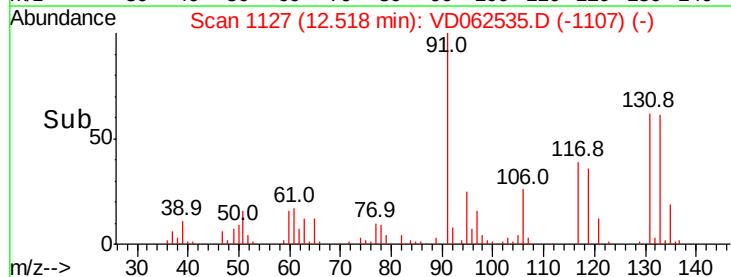
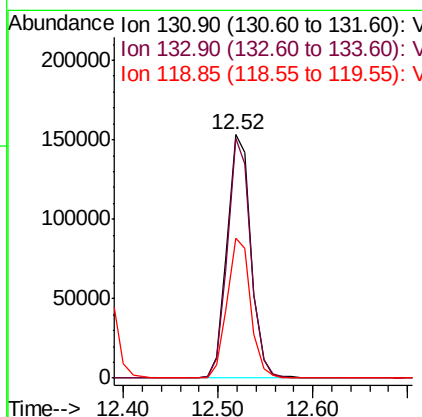
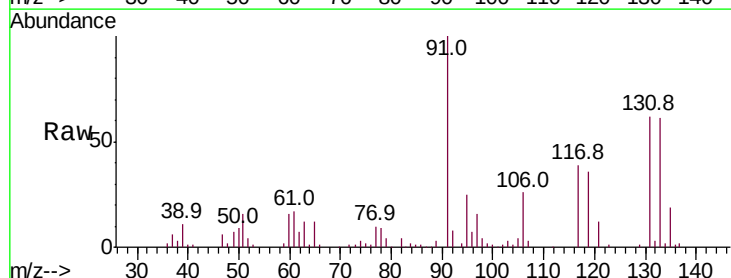
Manual Integrations
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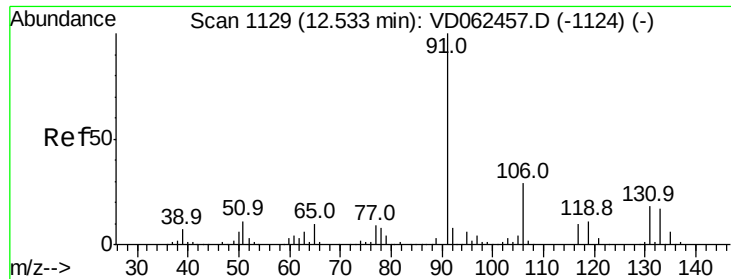
MMDadoda
5/29/2019 10:40:42 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 57.959 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	267737		
133	98.7	48.6	145.8	
119	57.6	34.7	104.1	





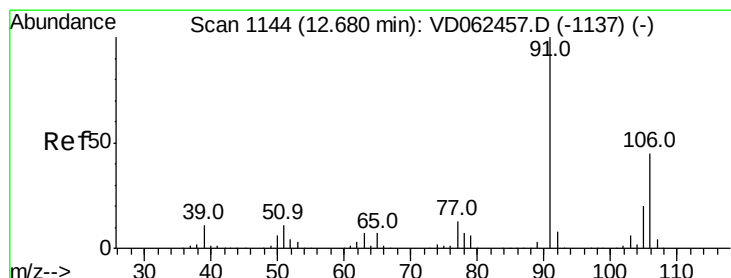
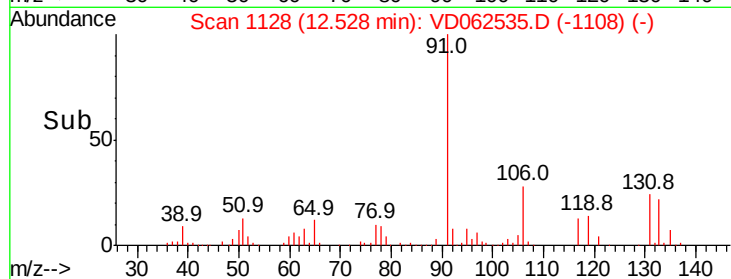
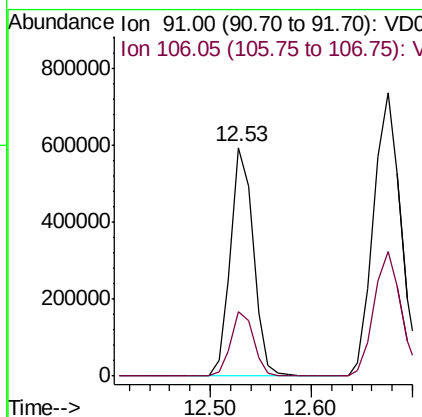
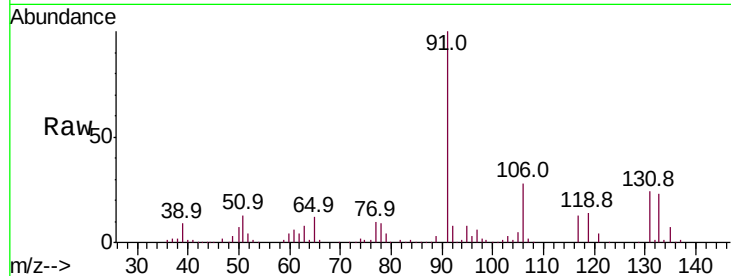
#67
Ethyl Benzene
Concen: 54.452 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 938595
Ion Ratio Lower Upper
91 100
106 28.1 24.7 37.1

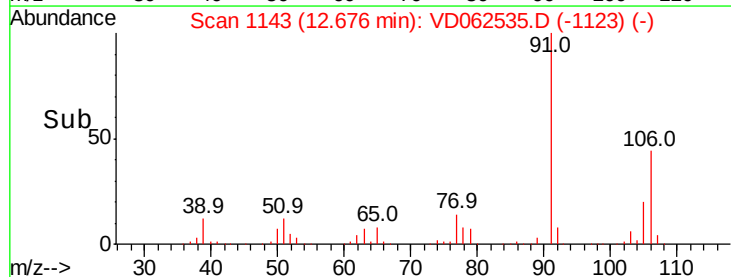
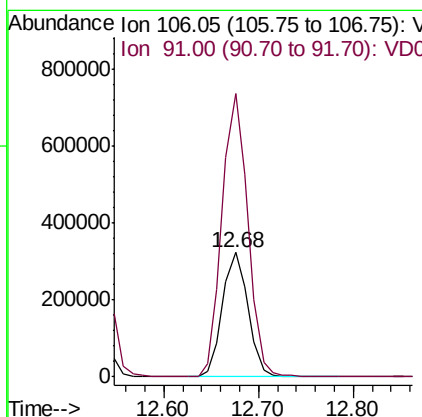
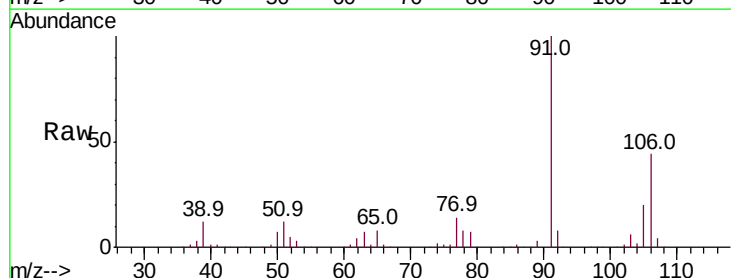
Manual Integrations
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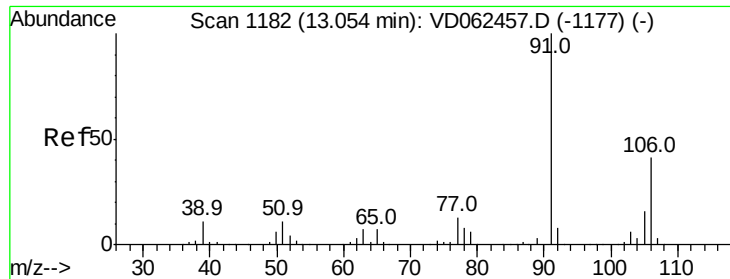
MMDadoda
5/29/2019 10:40:42 AM



#68
m/p-Xylenes
Concen: 98.010 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Tgt Ion: 106 Resp: 606427
Ion Ratio Lower Upper
106 100
91 227.7 164.0 246.0





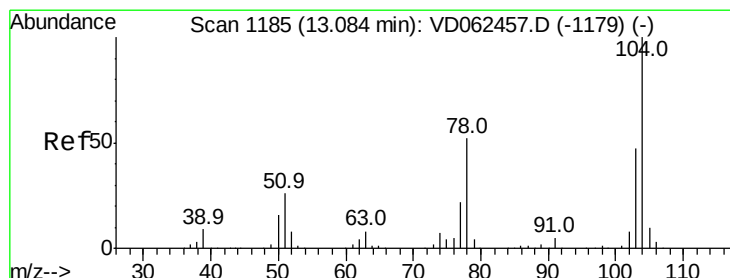
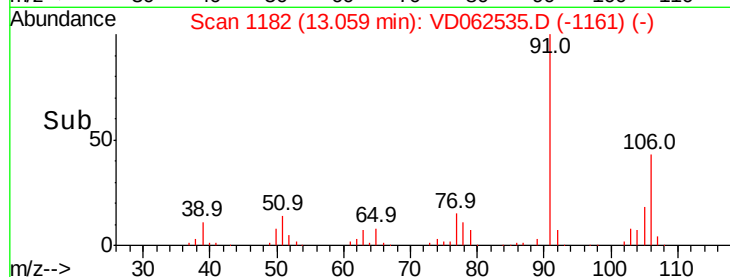
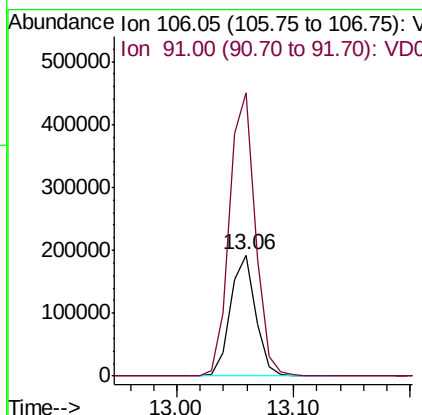
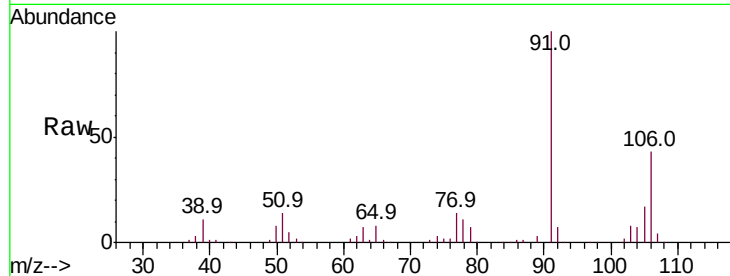
#69
o-Xylene
Concen: 49.728 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 290313
Ion Ratio Lower Upper
106 100
91 233.7 106.7 319.9

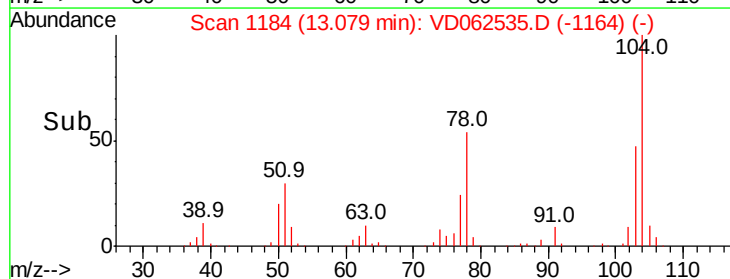
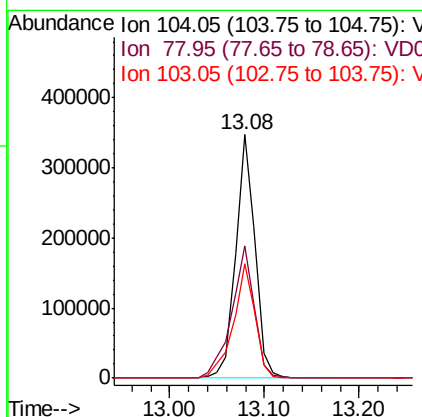
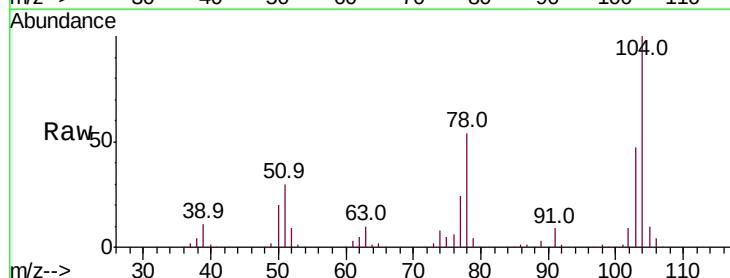
Manual Integrations
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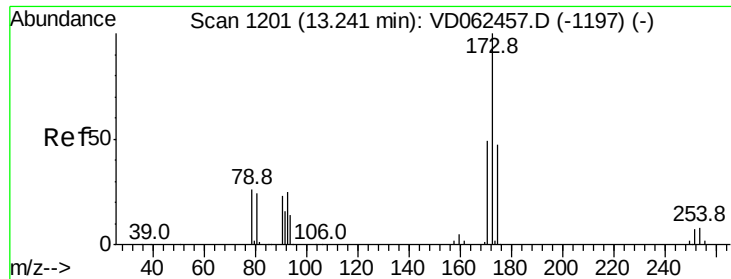
MMDadoda
5/29/2019 10:40:42 AM



#70
Styrene
Concen: 49.405 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Tgt Ion:104 Resp: 490667
Ion Ratio Lower Upper
104 100
78 54.4 35.4 53.2#
103 47.2 37.5 56.3





#71

Bromoform

Concen: 59.576 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 182769

Ion Ratio Lower Upper

173 100

175 49.0 24.4 73.4

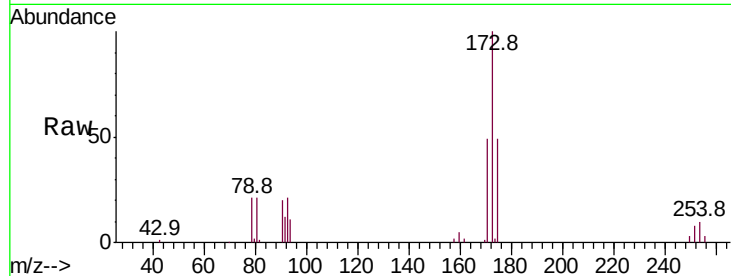
254 10.2 5.4 8.2#

Manual Integrations

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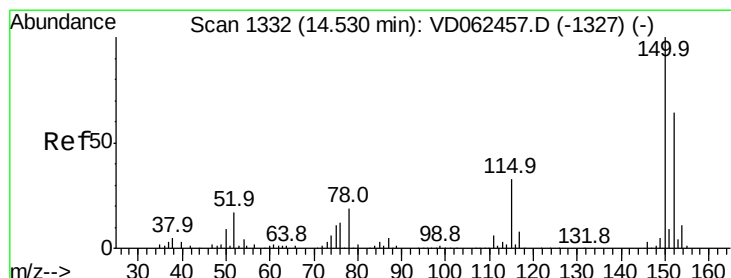
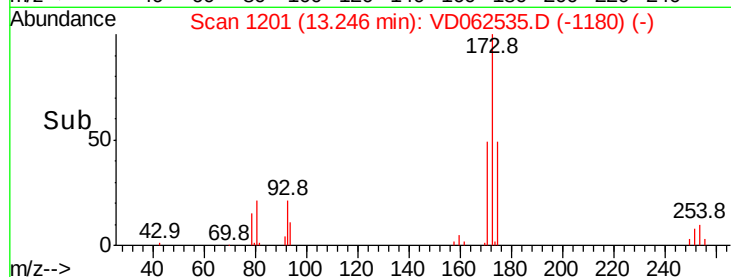
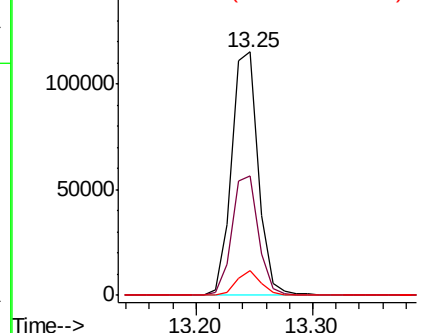
5/29/2019 10:40:42 AM



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

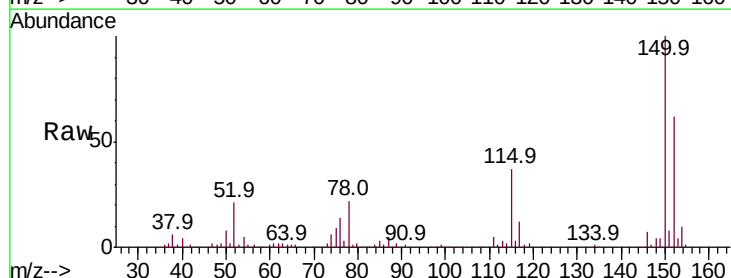
Tgt Ion:152 Resp: 283139

Ion Ratio Lower Upper

152 100

115 59.2 30.9 92.7

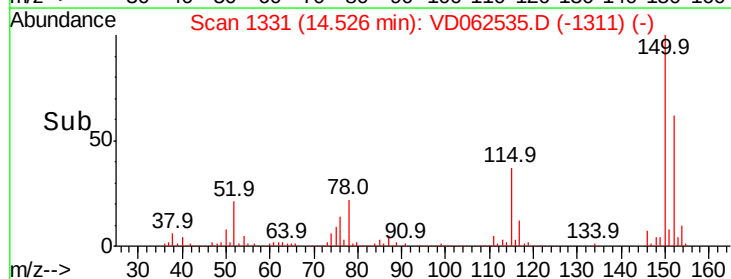
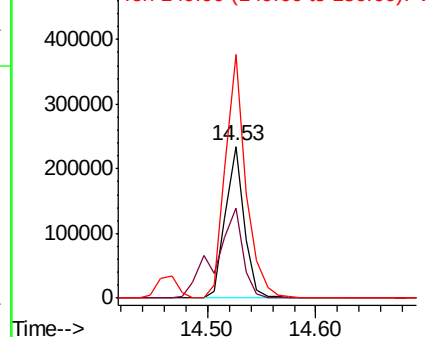
150 160.1 0.0 314.8

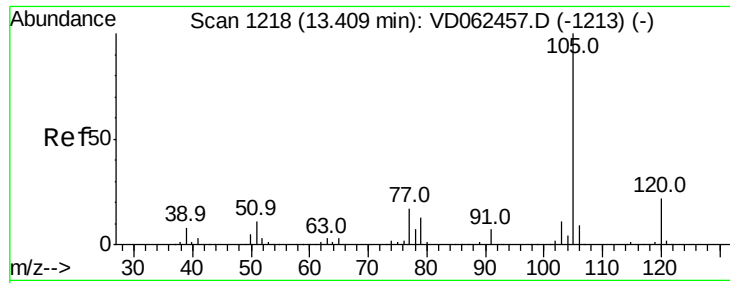


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





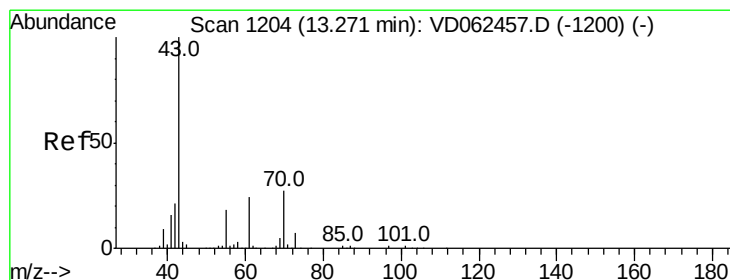
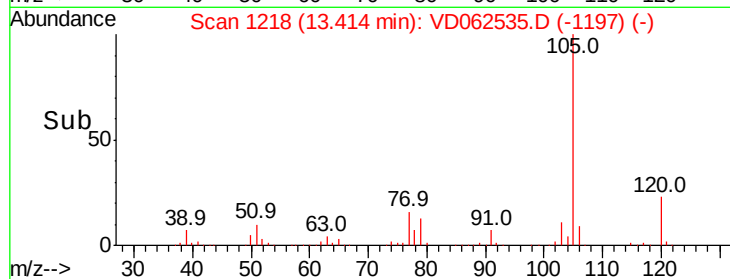
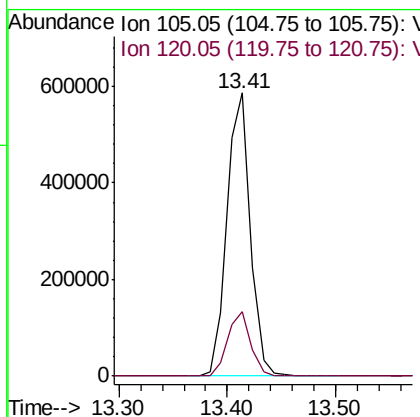
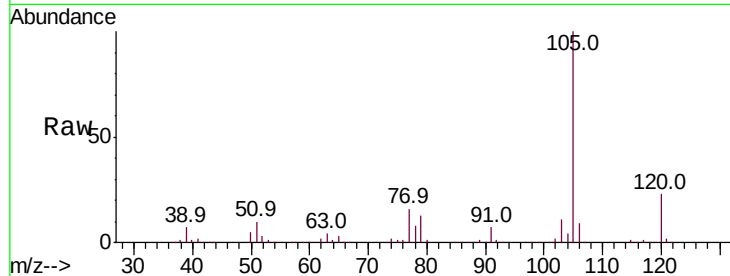
#73
Isopropylbenzene
Concen: 49.244 ug/l
RT: 13.41 min Scan# 1218
Delta R.T. 0.01 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 878879
Ion Ratio Lower Upper
105 100
120 22.6 12.0 36.1

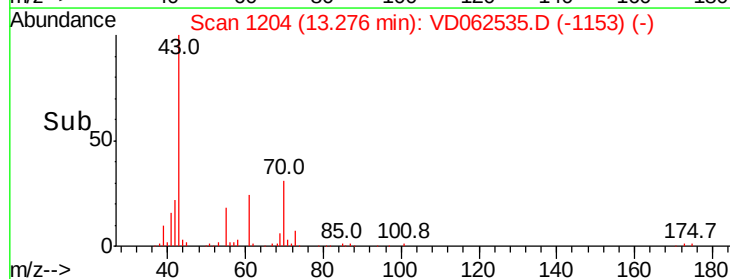
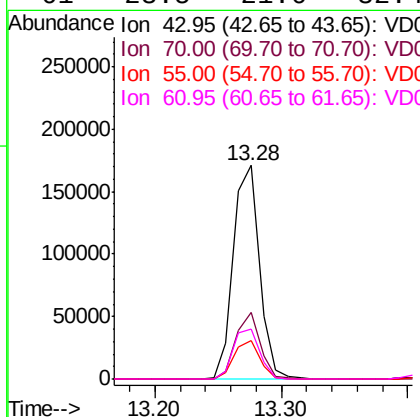
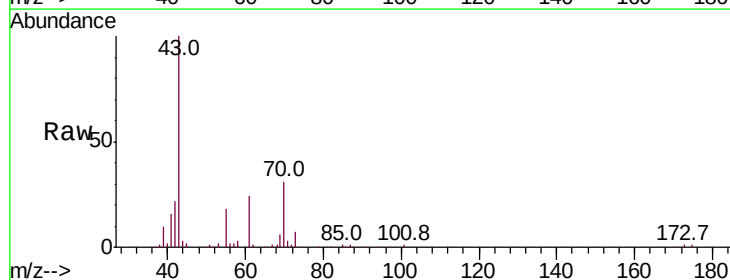
Manual Integrations
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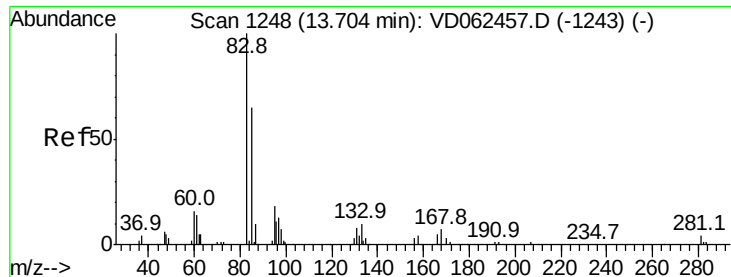
MMDadoda
5/29/2019 10:40:42 AM



#74
N-ethyl acetate
Concen: 55.287 ug/l
RT: 13.28 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Tgt Ion: 43 Resp: 243703
Ion Ratio Lower Upper
43 100
70 31.3 24.2 36.4
55 18.0 16.0 24.0
61 23.5 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.510 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

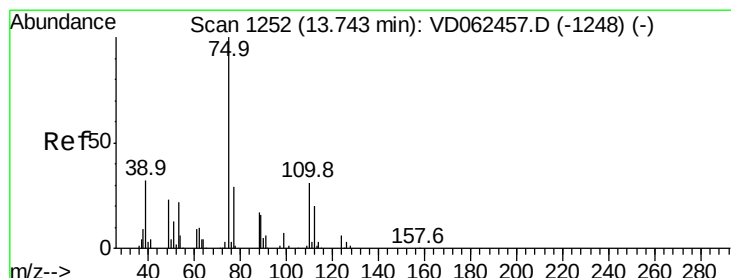
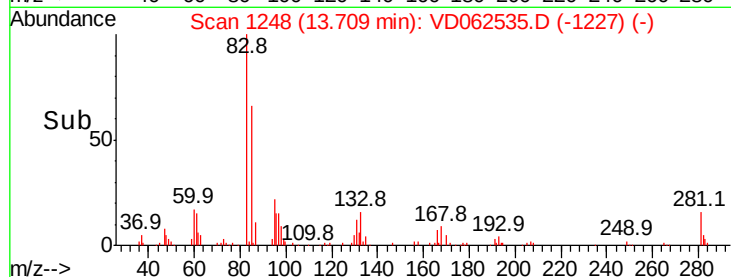
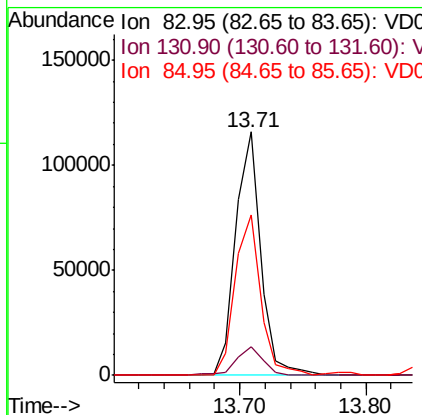
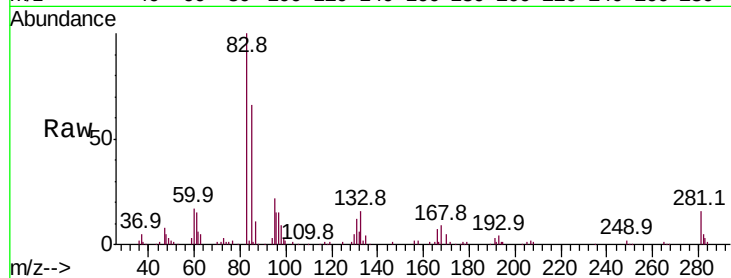
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	159412
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.0	14.9
85	66.0	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 54.294 ug/l

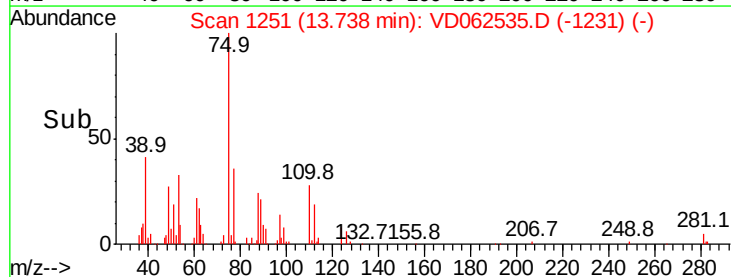
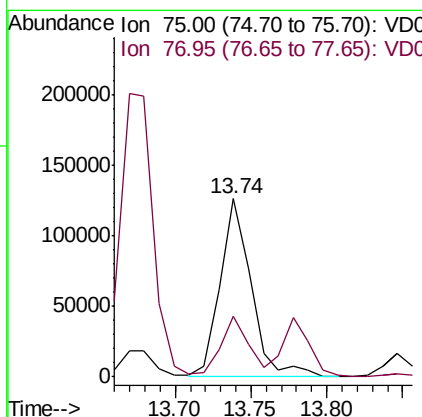
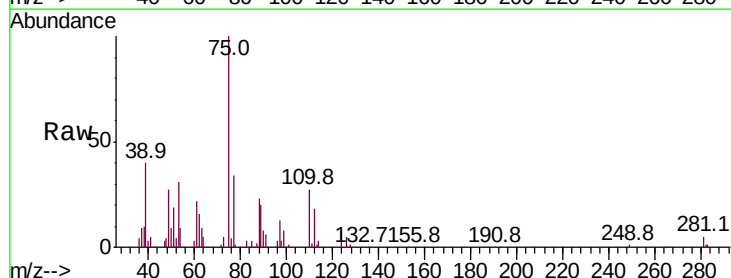
RT: 13.74 min Scan# 1251

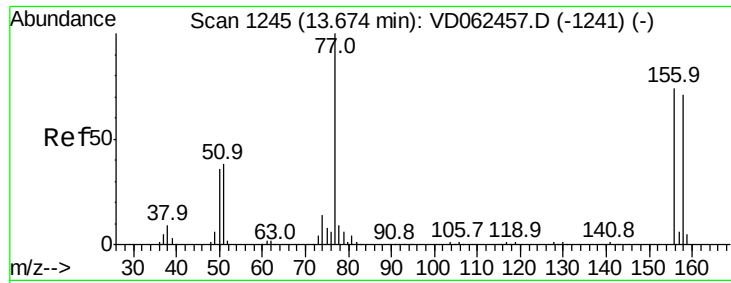
Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Tgt Ion:	75	Resp:	181073
Ion Ratio	Lower	Upper	
75	100		
77	34.4	16.4	49.4





#77

Bromobenzene

Concen: 50.061 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

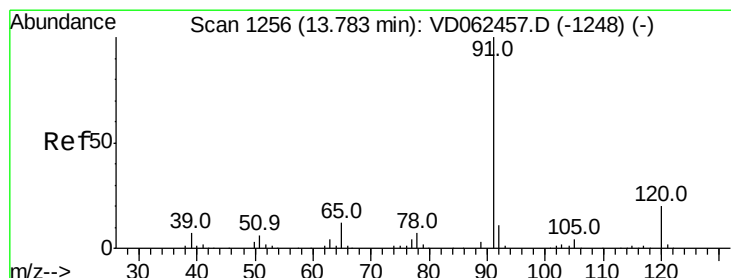
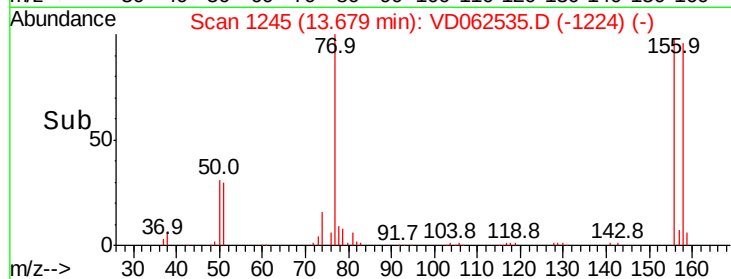
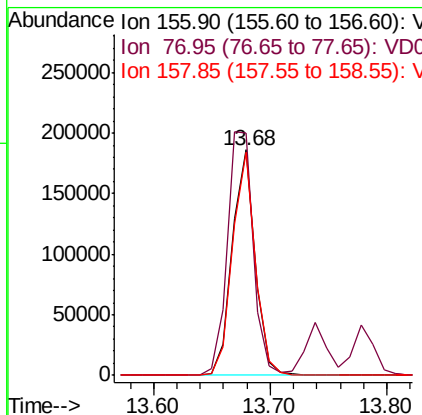
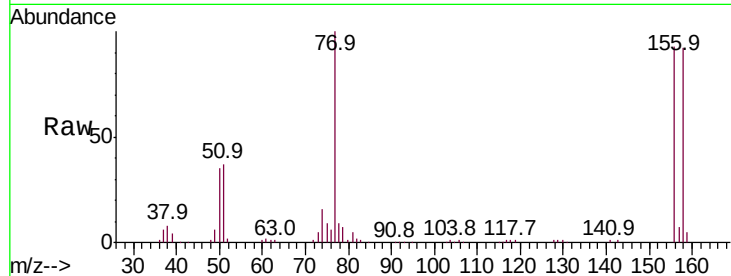
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	253451
Ion Ratio	Lower	Upper	
156	100		
77	107.3	53.1	159.4
158	98.8	49.4	148.0

Manual Integrations
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#78

n-propylbenzene

Concen: 54.905 ug/l

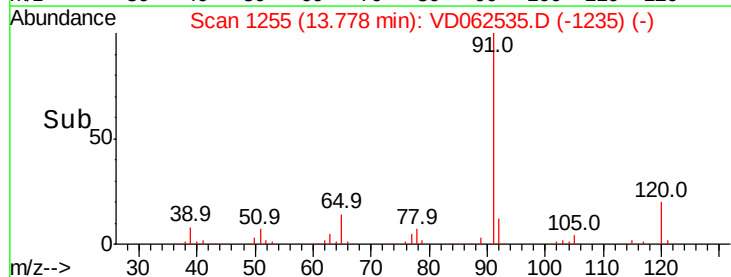
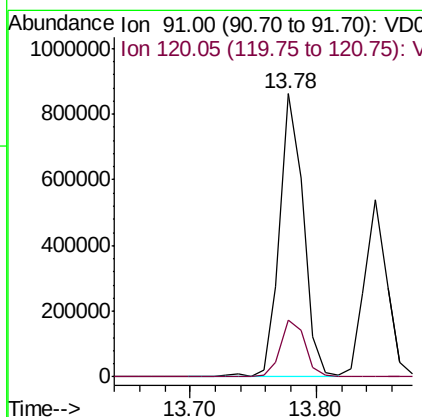
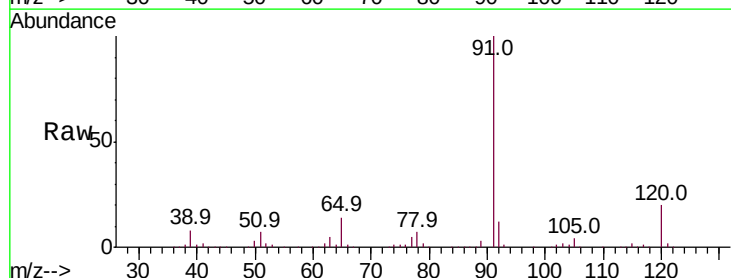
RT: 13.78 min Scan# 1255

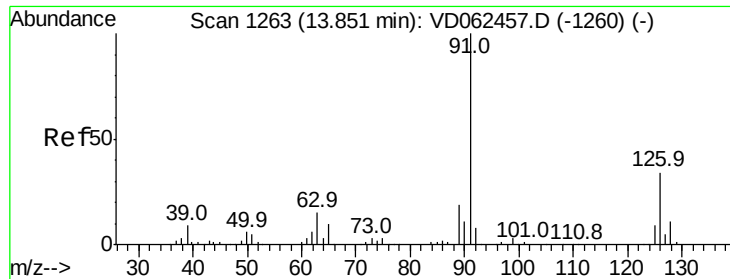
Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Tgt Ion:	91	Resp:	1135051
Ion Ratio	Lower	Upper	
91	100		
120	20.0	11.1	33.1





#79

2-Chlorotoluene

Concen: 54.074 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 678394

Ion Ratio Lower Upper

91 100

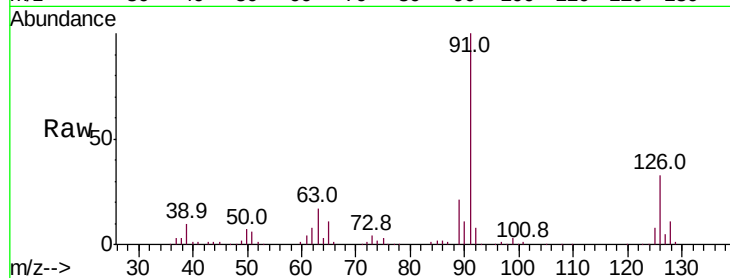
126 32.7 18.6 55.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V

1000000

800000

600000

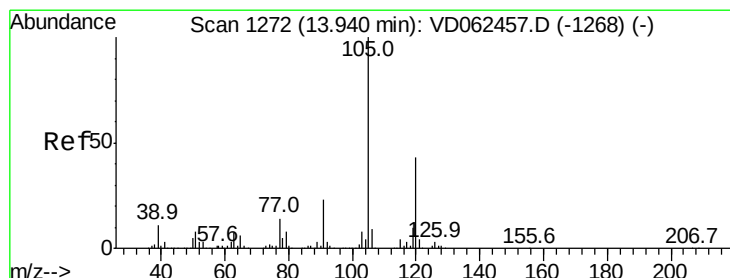
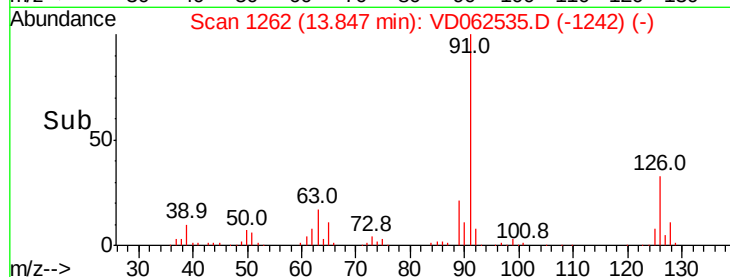
400000

200000

0

13.80 13.85 13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.848 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD062535.D

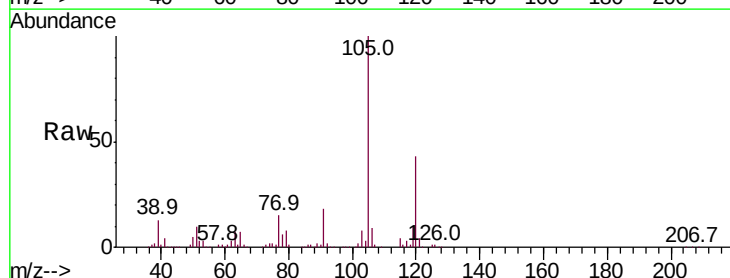
Acq: 28 May 2019 12:34

Tgt Ion:105 Resp: 816664

Ion Ratio Lower Upper

105 100

120 42.6 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

600000

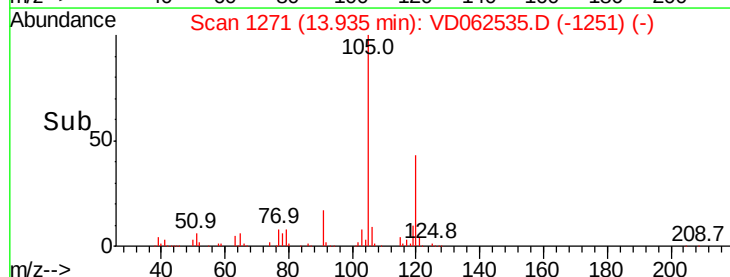
400000

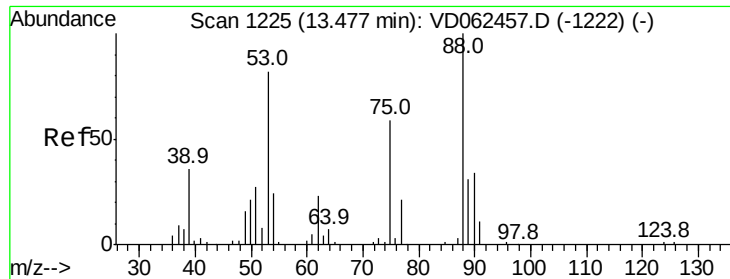
200000

0

13.90 13.95 14.00

Time-->





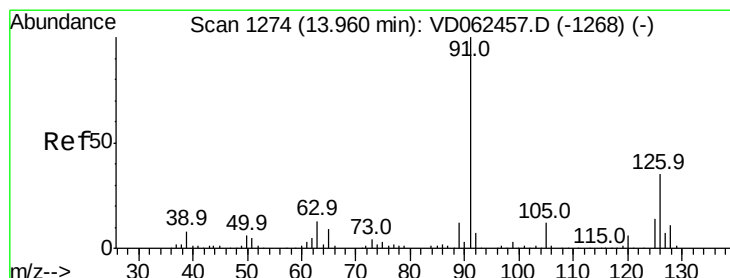
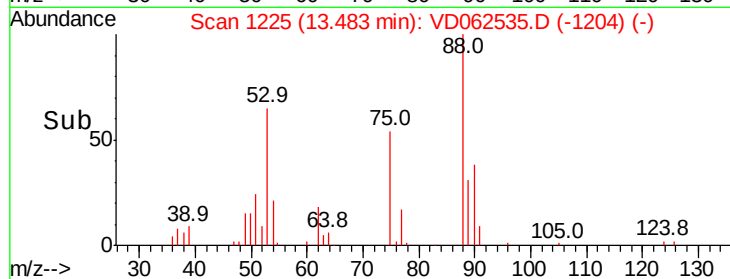
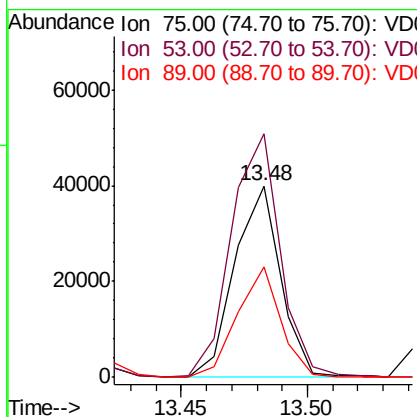
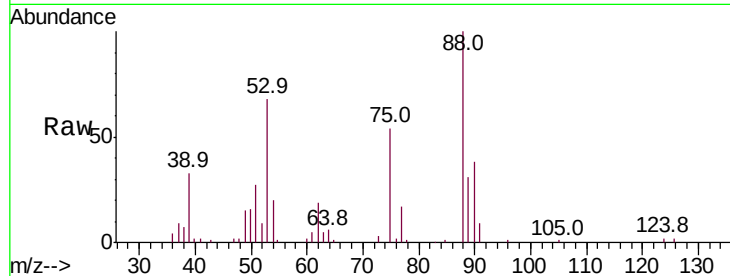
#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.887 ug/l
 RT: 13.48 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	127.1	65.8	98.8#
89	57.3	35.0	52.6#

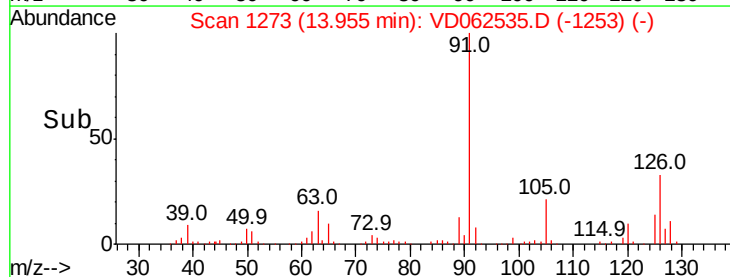
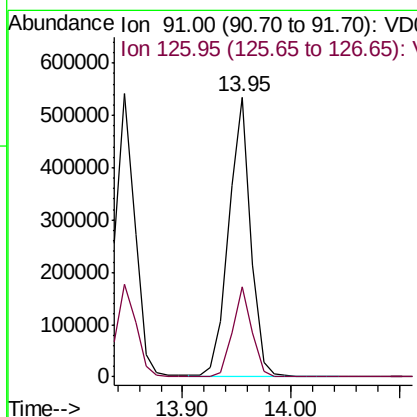
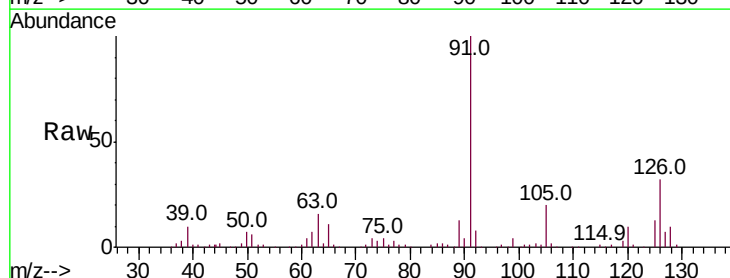
Manual Integrations
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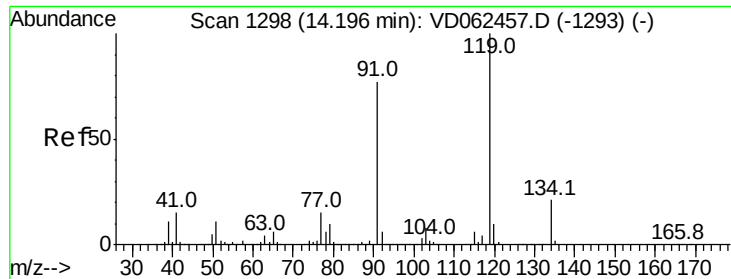
MMDadoda
 5/29/2019 10:40:42 AM



#82
 4-Chlorotoluene
 Concen: 52.058 ug/l
 RT: 13.95 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	19.1	57.5





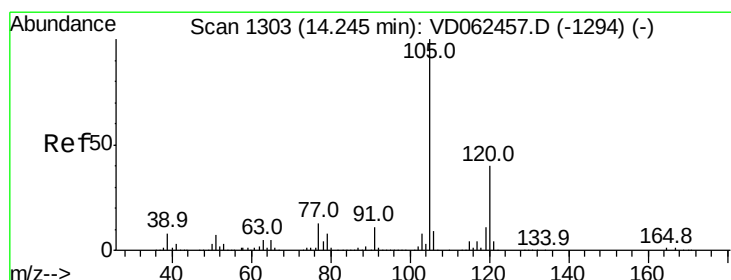
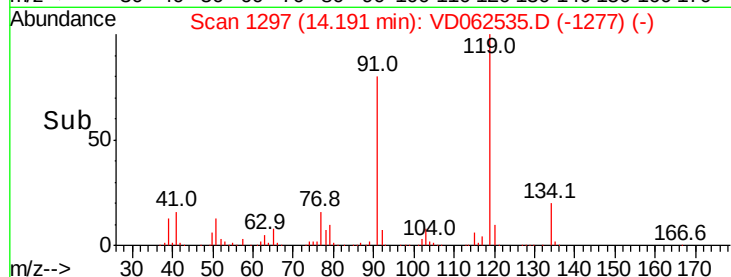
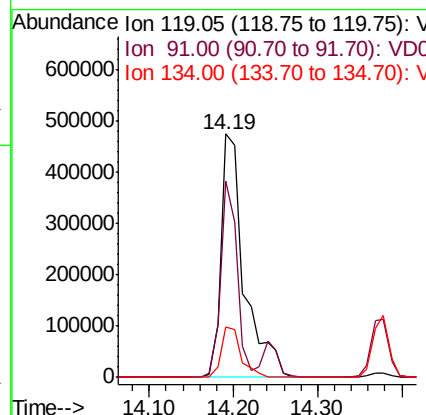
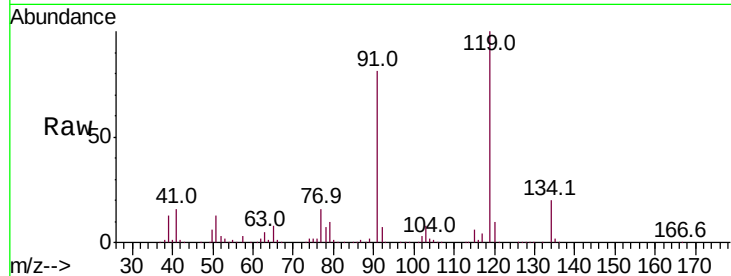
#83
 tert-Butylbenzene
 Concen: 52.913 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	80.6	34.2	102.6
134	20.4	12.0	36.0

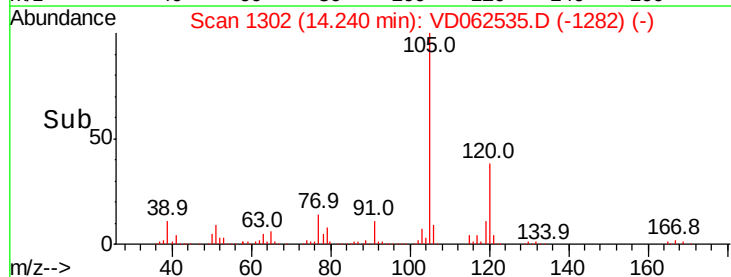
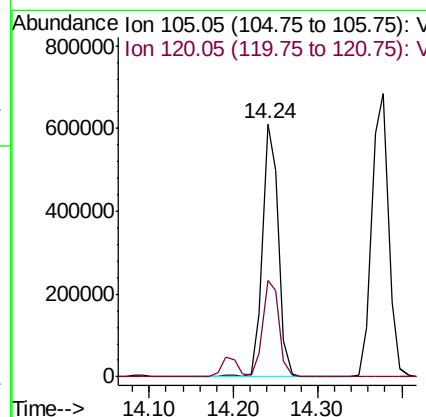
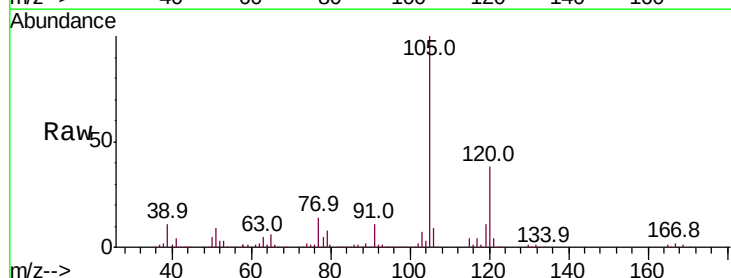
Manual Integrations
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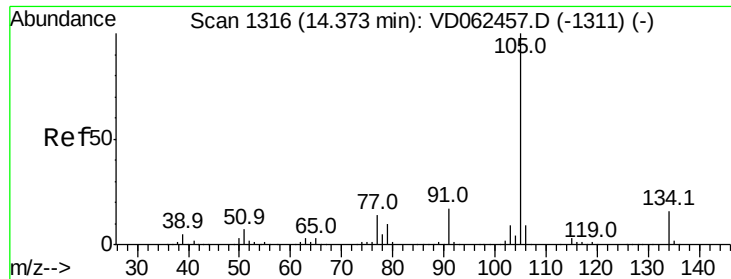
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 5/29/2019 10:40:42 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.761 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	38.1	23.1	69.2





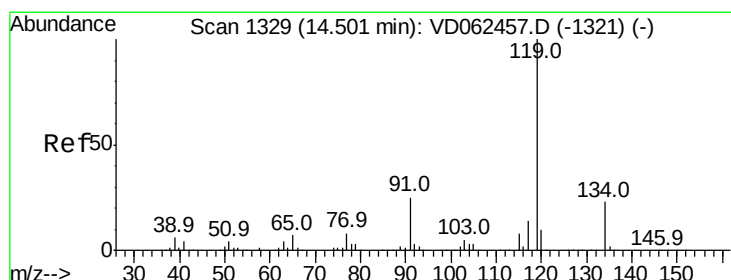
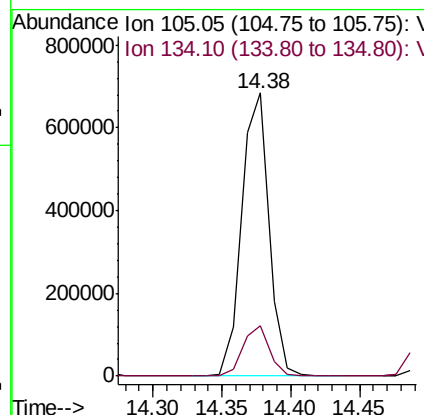
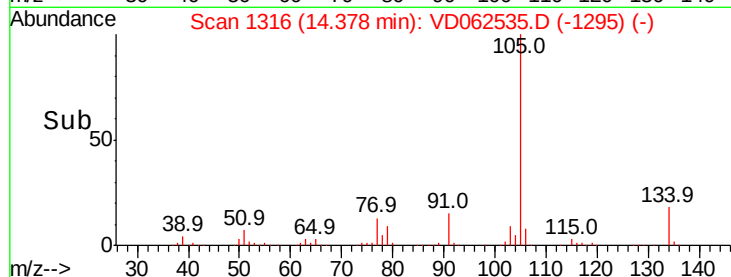
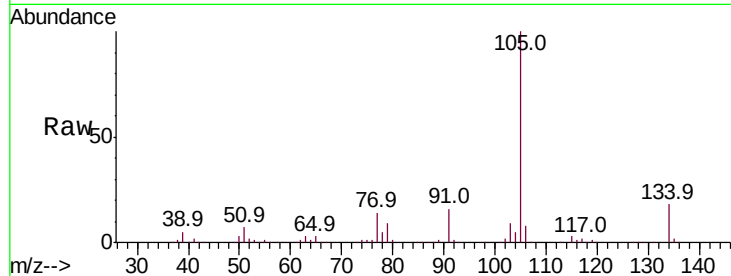
#85
 sec-Butylbenzene
 Concen: 52.895 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	945412		
134	17.7	8.9	26.7	

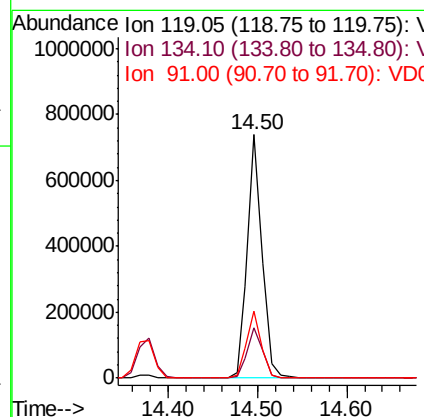
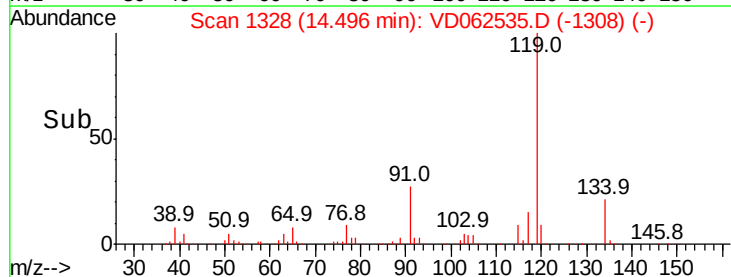
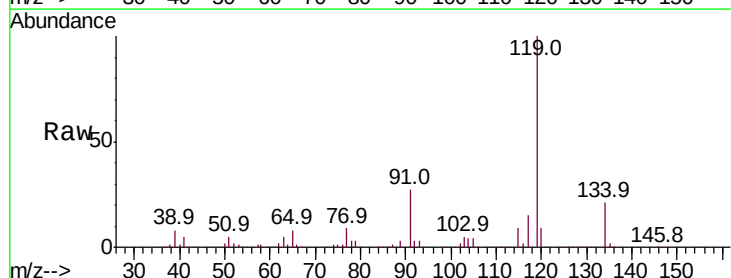
Manual Integrations
 APPROVED

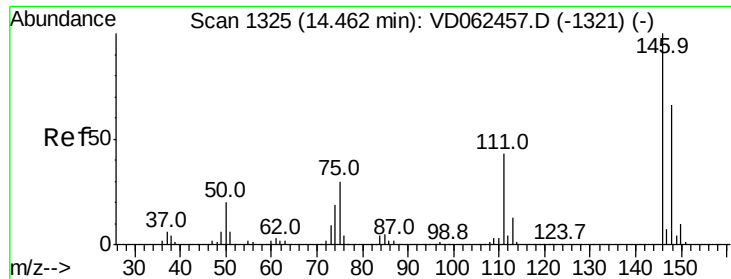
MMDadoda
 5/29/2019 10:40:42 AM



#86
 p-Isopropyltoluene
 Concen: 52.763 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. -0.00 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	854624		
134	20.9	12.8	38.3	
91	27.4	10.7	32.1	





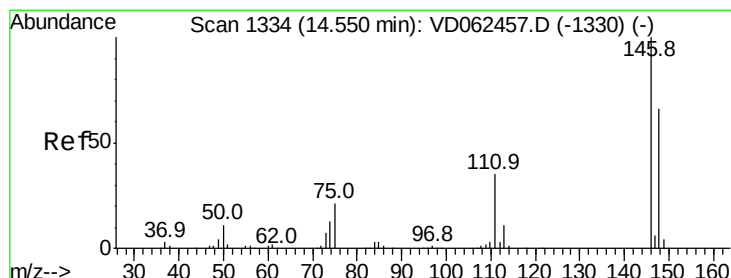
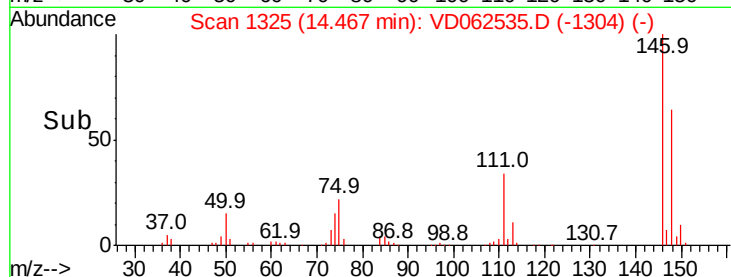
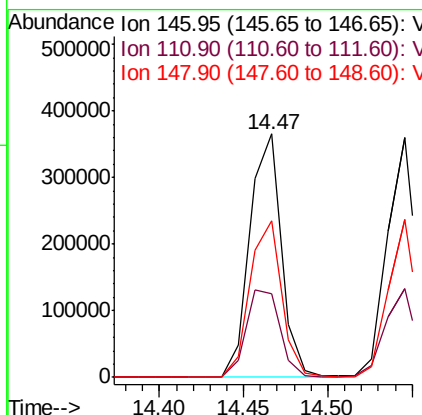
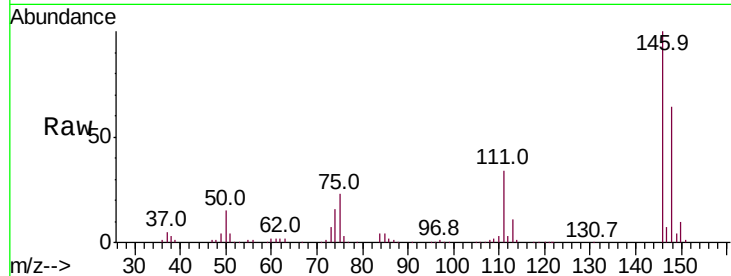
#87
 1,3-Dichlorobenzene
 Concen: 53.463 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.2	20.0	60.0
148	64.2	31.8	95.4

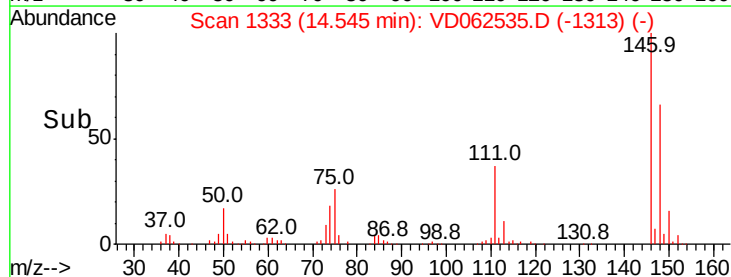
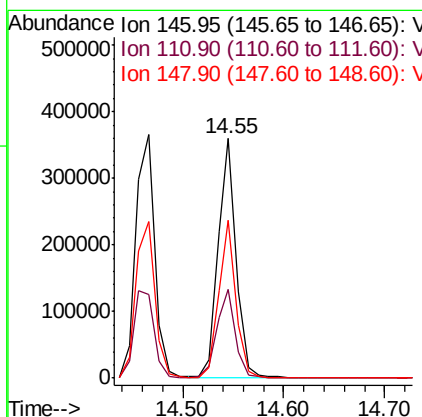
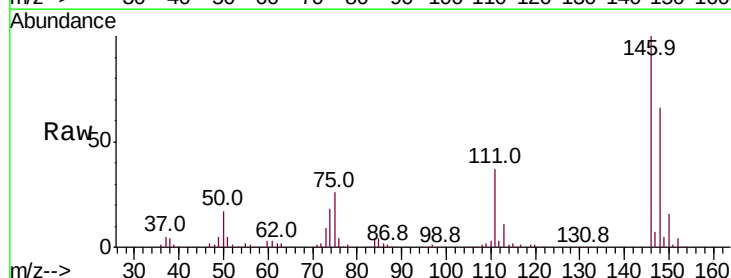
Manual Integrations
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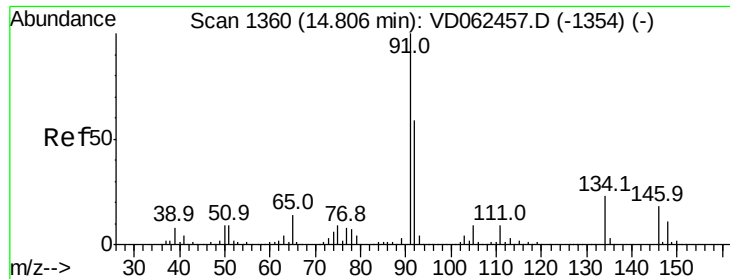
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 5/29/2019 10:40:42 AM



#88
 1,4-Dichlorobenzene
 Concen: 52.383 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. -0.00 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	20.2	60.5
148	66.0	32.0	96.2





#89

n-Butylbenzene

Concen: 52.330 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

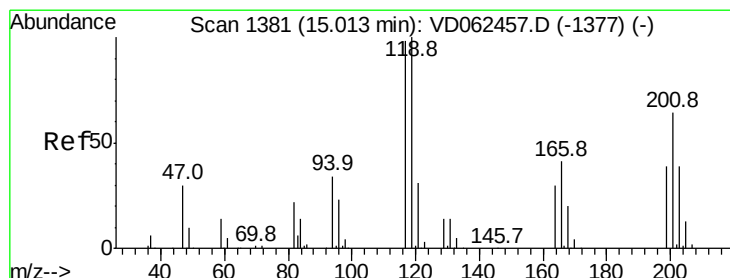
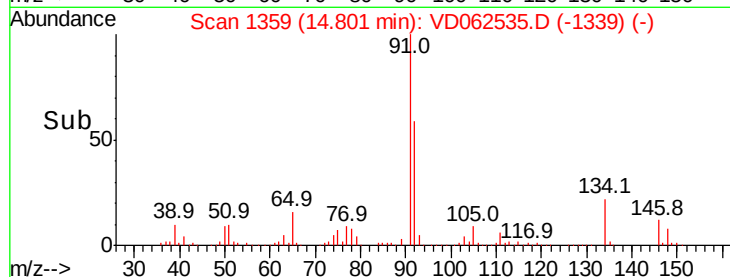
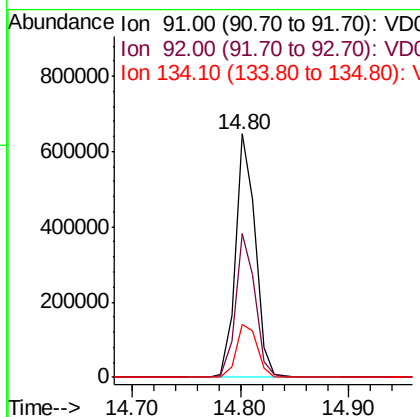
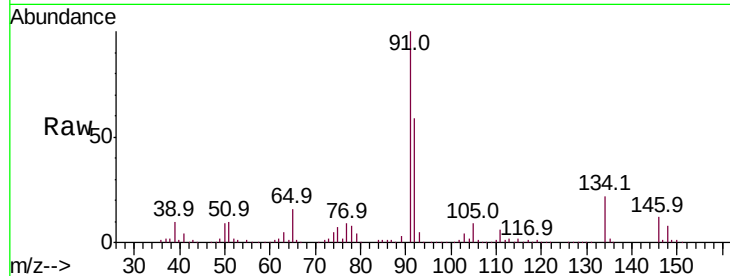
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	818009
Ion Ratio	Lower	Upper	
91	100		
92	59.2	30.3	91.0
134	21.8	14.5	43.6

Manual Integrations
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#90

Hexachloroethane

Concen: 57.865 ug/l

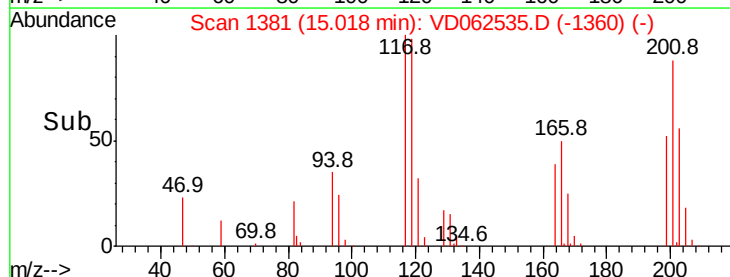
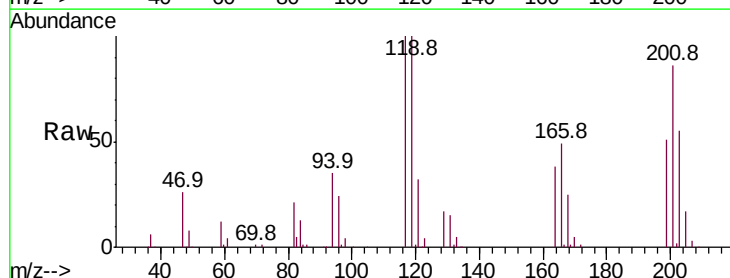
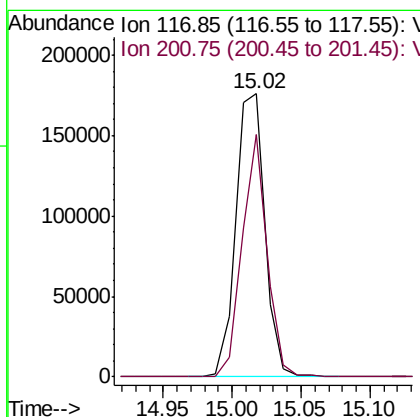
RT: 15.02 min Scan# 1381

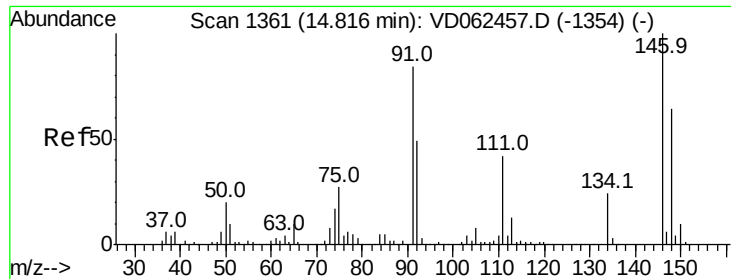
Delta R.T. 0.01 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Tgt Ion:	117	Resp:	259027
Ion Ratio	Lower	Upper	
117	100		
201	85.7	30.2	90.6





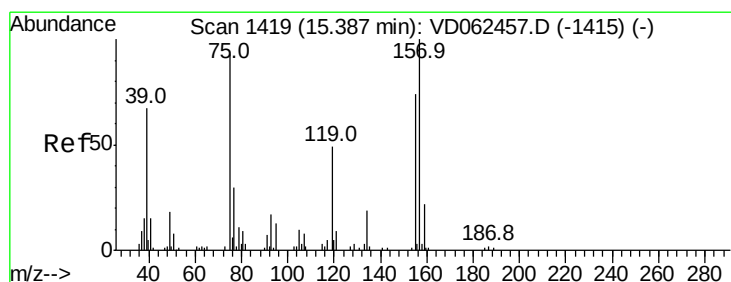
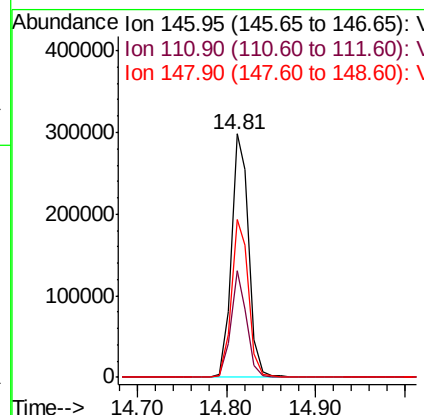
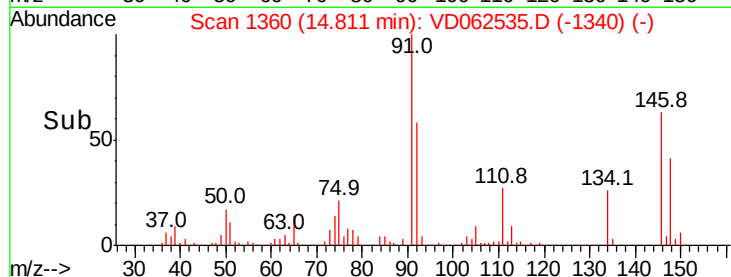
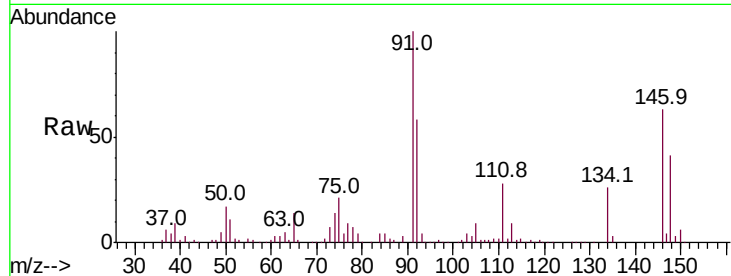
#91
 1,2-Dichlorobenzene
 Concen: 54.383 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	43.8	20.0	59.9	
148	64.9	32.3	96.8	

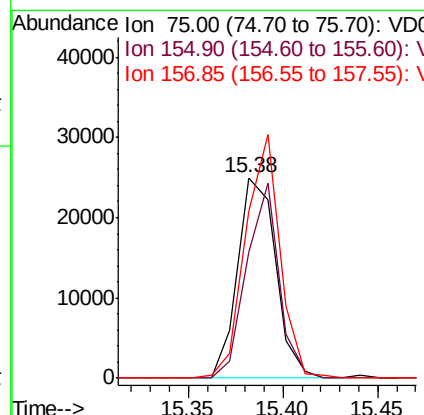
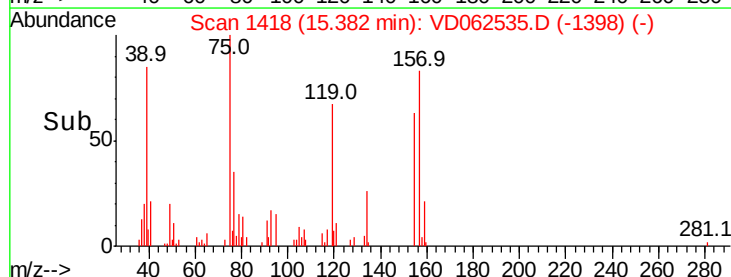
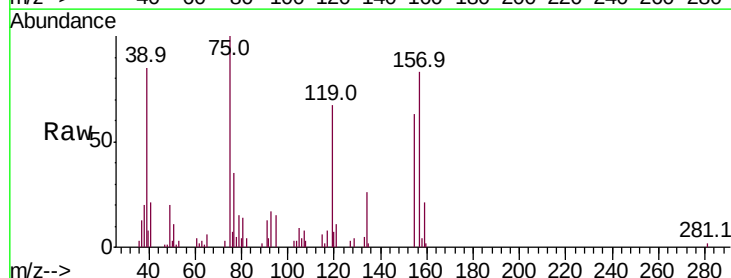
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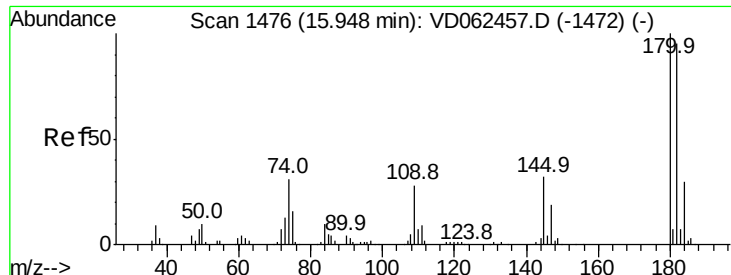
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.695 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	62.9	55.3	165.8	
157	83.2	67.8	203.2	





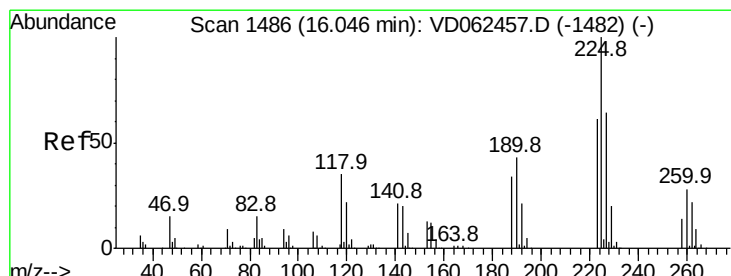
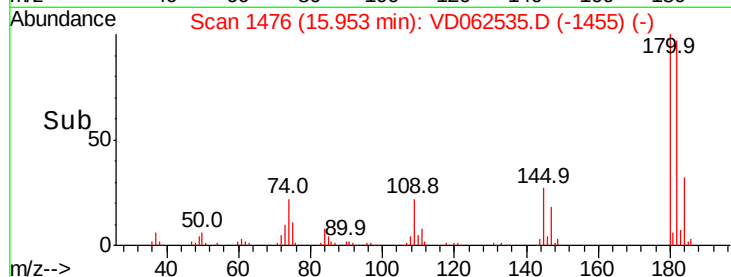
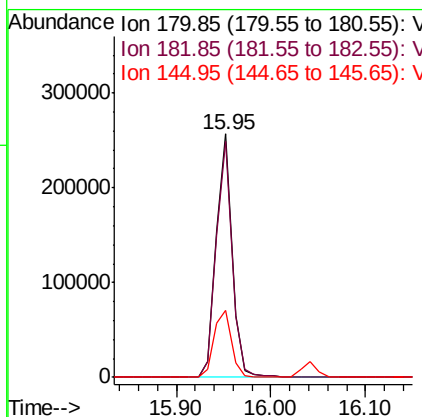
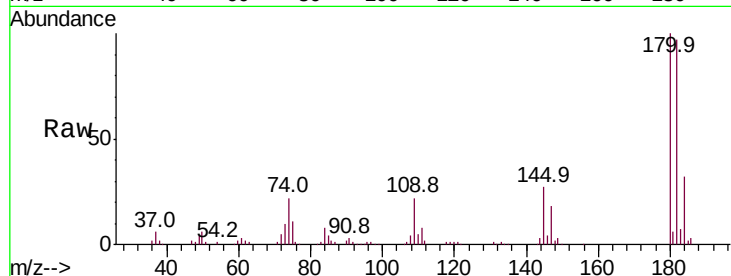
#93
 1,2,4-Trichlorobenzene
 Concen: 50.431 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	301896
Ion Ratio	Lower	Upper	
180	100		
182	97.0	49.3	147.8
145	27.5	16.2	48.6

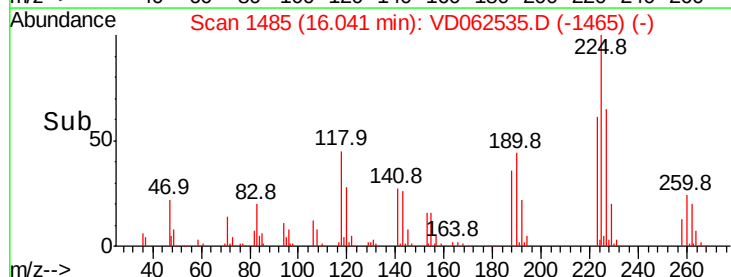
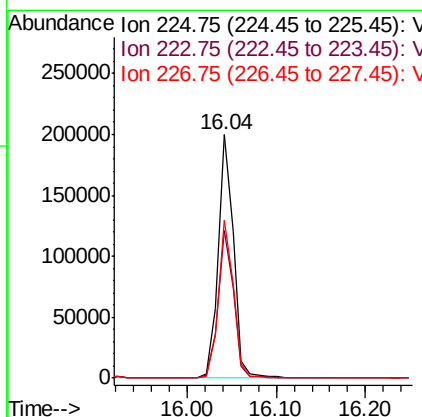
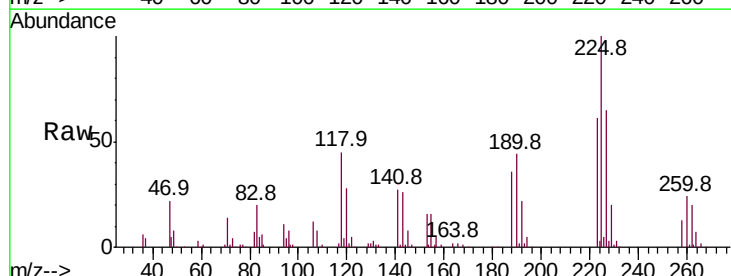
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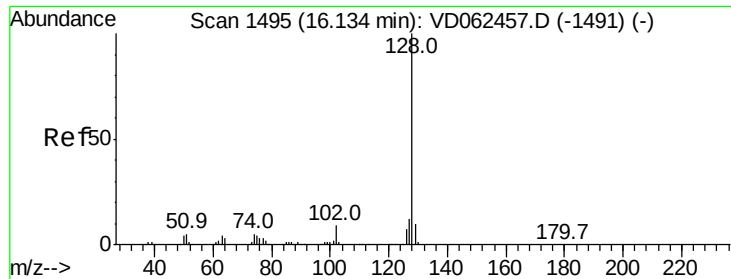
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 5/29/2019 10:40:42 AM



#94
 Hexachlorobutadiene
 Concen: 54.051 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Tgt Ion:	225	Resp:	238908
Ion Ratio	Lower	Upper	
225	100		
223	60.7	30.6	92.0
227	64.8	32.0	96.2





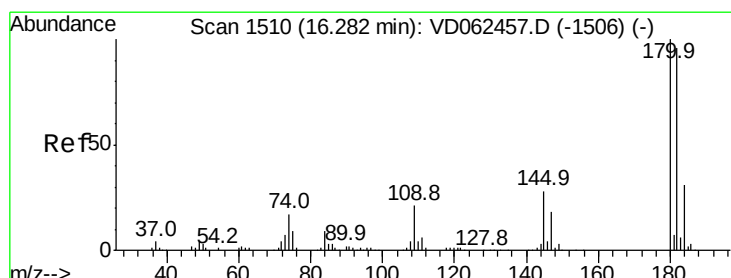
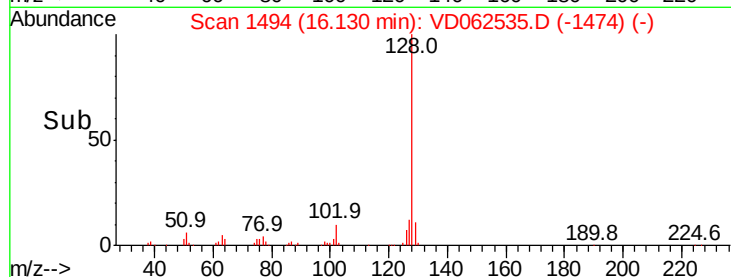
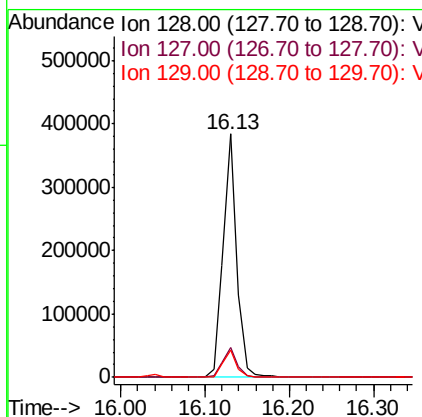
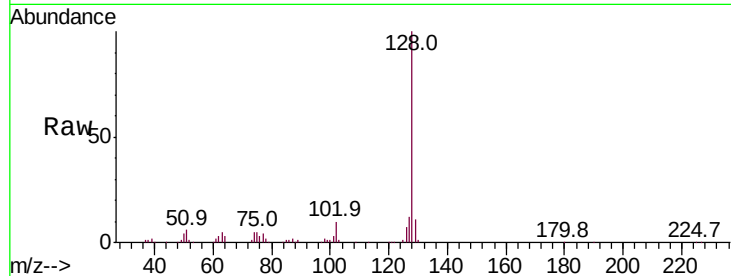
#95
Naphthalene
Concen: 53.116 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	9.8	14.8
129	11.1	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 48.728 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.0	141.0
145	31.4	17.0	51.0

