

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052319\
 Data File : VD062524.D
 Acq On : 23 May 2019 18:22
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00u/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 10:45:07 PM

Quant Time: May 24 01:55:31 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	7.05	168	369125	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.23	114	509258	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	410183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.54	152	243658	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	218677	55.34	ug/l	0.00
Spiked Amount						
			Recovery	=		110.68%
35) Dibromofluoromethane	6.93	113	224103	48.78	ug/l	-0.01
Spiked Amount						
			Recovery	=		97.56%
50) Toluene-d8	10.42	98	487925	48.53	ug/l	0.00
Spiked Amount						
			Recovery	=		97.06%
62) 4-Bromofluorobenzene	13.57	95	229499	52.18	ug/l	0.00
Spiked Amount						
			Recovery	=		104.36%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	164156	47.252	ug/l	95
3) Chloromethane	1.74	50	116870	45.704	ug/l	99
4) Vinyl Chloride	1.84	62	134373	49.937	ug/l	97
5) Bromomethane	2.15	94	64465	55.519	ug/l	95
6) Chloroethane	2.26	64	72654	55.815	ug/l #	87
7) Trichlorofluoromethane	2.53	101	276468	44.468	ug/l	95
8) Diethyl Ether	2.87	74	39048	46.558	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	3.14	101	155523	42.047	ug/l	95
10) Methyl Iodide	3.30	142	277410	53.788	ug/l #	86
11) Tert butyl alcohol	4.08	59	49593	271.917	ug/l	98
12) 1,1-Dichloroethene	3.12	96	113714	41.598	ug/l	86
13) Acrolein	3.03	56	42318	279.401	ug/l #	82
14) Allyl chloride	3.61	41	189162	46.931	ug/l #	70
15) Acrylonitrile	4.18	53	98863	236.560	ug/l	88
16) Acetone	3.22	43	168941	238.598	ug/l #	78
17) Carbon Disulfide	3.37	76	364994	44.087	ug/l	99
18) Methyl Acetate	3.64	43	59895	49.022	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	333889	52.882	ug/l	98
20) Methylene Chloride	3.81	84	139466	45.617	ug/l	90
21) trans-1,2-Dichloroethene	4.21	96	146787	45.868	ug/l	89
22) Diisopropyl ether	5.12	45	417459	48.658	ug/l	91
23) Vinyl Acetate	5.05	43	1272559	245.473	ug/l #	95
24) 1,1-Dichloroethane	4.98	63	258546	46.792	ug/l	96
25) 2-Butanone	6.07	43	170078	229.662	ug/l	96
26) 2,2-Dichloropropane	6.02	77	291043	48.864	ug/l	88
27) cis-1,2-Dichloroethene	6.03	96	155147	44.960	ug/l	90
28) Bromochloromethane	6.44	49	95725	48.270	ug/l	95
29) Tetrahydrofuran	6.46	42	79892	225.887	ug/l	98
30) Chloroform	6.66	83	357586	50.762	ug/l	99
31) Cyclohexane	6.96	56	163506	43.826	ug/l	90
32) 1,1,1-Trichloroethane	6.87	97	360725	50.721	ug/l	98
36) 1,1-Dichloropropene	7.16	75	240351	49.365	ug/l	96
37) Ethyl Acetate	6.19	43	97491	51.543	ug/l	93
38) Carbon Tetrachloride	7.12	117	380119m	52.531	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	196458	48.921	ug/l	93
40) Benzene	7.46	78	452665	47.398	ug/l	99
41) Methacrylonitrile	6.46	41	117071	49.282	ug/l #	79
42) 1,2-Dichloroethane	7.59	62	267369	52.869	ug/l	92
43) Isopropyl Acetate	9.25	43	129392	51.566	ug/l	93
44) Trichloroethene	8.55	130	184696	48.301	ug/l	91
45) 1,2-Dichloropropane	8.95	63	114810	49.330	ug/l	98
46) Dibromomethane	9.07	93	107376	50.896	ug/l	90
47) Bromodichloromethane	9.39	83	294460	54.866	ug/l #	96
48) Methyl methacrylate	9.13	41	87123	51.595	ug/l #	82
49) 1,4-Dioxane	9.09	88	15145	999.930	ug/l #	86
51) 4-Methyl-2-Pentanone	10.31	43	414481	250.041	ug/l	92
52) Toluene	10.52	92	331318	50.676	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	236577	52.947	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	244340	52.407	ug/l #	84
55) 1,1,2-Trichloroethane	11.20	97	114022	51.457	ug/l	97
56) Ethyl methacrylate	11.05	69	118314	49.947	ug/l #	79
57) 1,3-Dichloropropane	11.43	76	172960	50.897	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	310949	255.639	ug/l	96
59) 2-Hexanone	11.54	43	316619	262.809	ug/l	91
60) Dibromochloromethane	11.70	129	236944	55.673	ug/l	99
61) 1,2-Dibromoethane	11.82	107	133402	48.852	ug/l	98
64) Tetrachloroethene	11.27	164	180397	52.525	ug/l	96
65) Chlorobenzene	12.41	112	410095	51.990	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.53	131	213003	58.499	ug/l	94
67) Ethyl Benzene	12.54	91	737122	54.254	ug/l	96
68) m/p-Xylenes	12.69	106	475912	97.582	ug/l	85
69) o-Xylene	13.06	106	243841	52.990	ug/l	81
70) Styrene	13.09	104	423794	54.137	ug/l #	93
71) Bromoform	13.25	173	147265	60.901	ug/l	98
73) Isopropylbenzene	13.41	105	732766	47.710	ug/l	94
74) N-amyl acetate	13.28	43	180314	47.534	ug/l	93
75) 1,1,2,2-Tetrachloroethane	13.72	83	124452	44.915	ug/l	94
76) 1,2,3-Trichloropropane	13.75	75	146041	50.885	ug/l	99
77) Bromobenzene	13.69	156	208069	47.756	ug/l	92
78) n-propylbenzene	13.79	91	816837	45.914	ug/l	95
79) 2-Chlorotoluene	13.86	91	496853	46.020	ug/l	97
80) 1,3,5-Trimethylbenzene	13.95	105	622640	46.821	ug/l	91
81) trans-1,4-Dichloro-2-buten	13.49	75	40240	49.715	ug/l #	72
82) 4-Chlorotoluene	13.97	91	589603	47.420	ug/l	89
83) tert-Butylbenzene	14.20	119	662104	44.885	ug/l	85
84) 1,2,4-Trimethylbenzene	14.25	105	631750	46.362	ug/l	90
85) sec-Butylbenzene	14.38	105	731177	47.537	ug/l	98
86) p-Isopropyltoluene	14.51	119	692758	49.700	ug/l	92
87) 1,3-Dichlorobenzene	14.48	146	382538	49.719	ug/l	96
88) 1,4-Dichlorobenzene	14.56	146	373526	50.309	ug/l	97
89) n-Butylbenzene	14.81	91	647296	48.119	ug/l	94
90) Hexachloroethane	15.03	117	205783	53.420	ug/l	74
91) 1,2-Dichlorobenzene	14.82	146	334634	51.148	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	26542	50.466	ug/l	64

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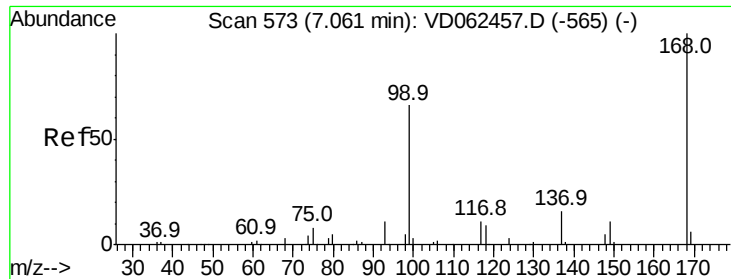
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	244459	47.454	ug/l	96
94) Hexachlorobutadiene	16.05	225	183521	48.248	ug/l	98
95) Naphthalene	16.14	128	362353	51.478	ug/l	100
96) 1,2,3-Trichlorobenzene	16.29	180	187746	44.457	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 369125

Ion Ratio Lower Upper

168 100

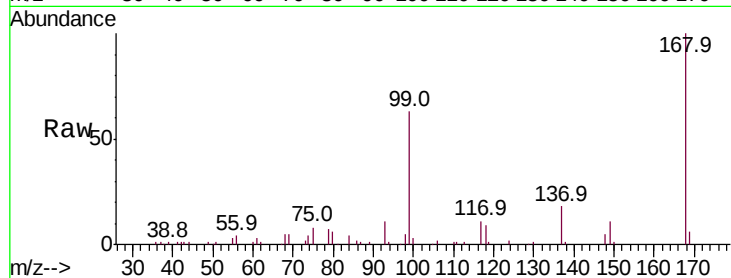
99 63.3 46.5 69.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

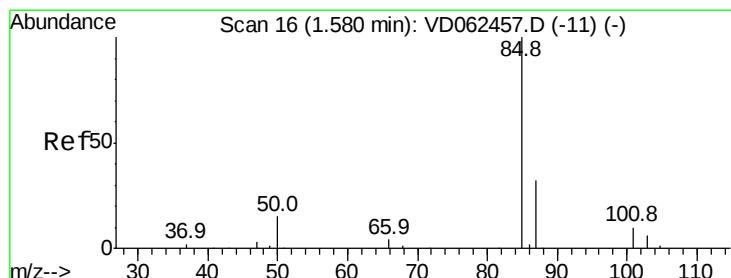
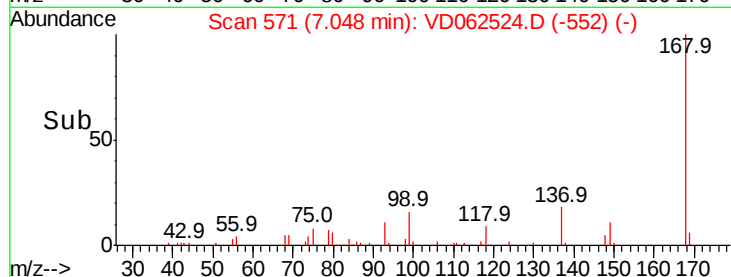
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50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 47.252 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062524.D

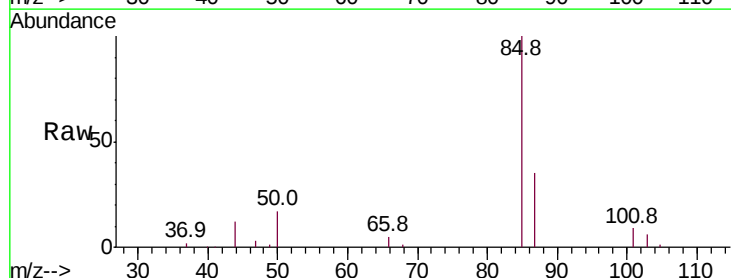
Acq: 23 May 2019 18:22

Tgt Ion: 85 Resp: 164156

Ion Ratio Lower Upper

85 100

87 35.2 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

100000

80000

60000

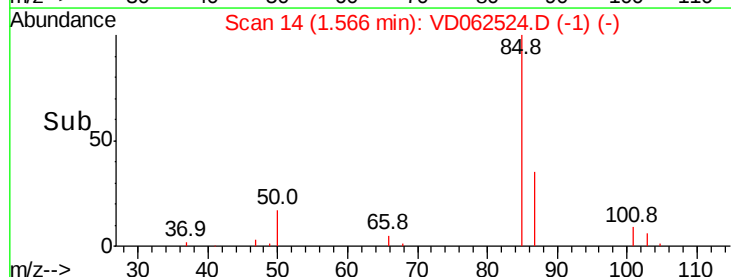
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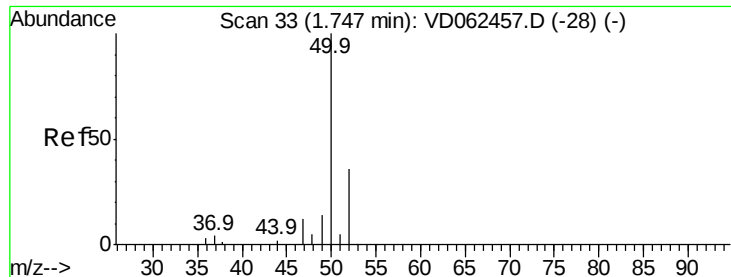
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 45.704 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 116870

Ion Ratio Lower Upper

50 100

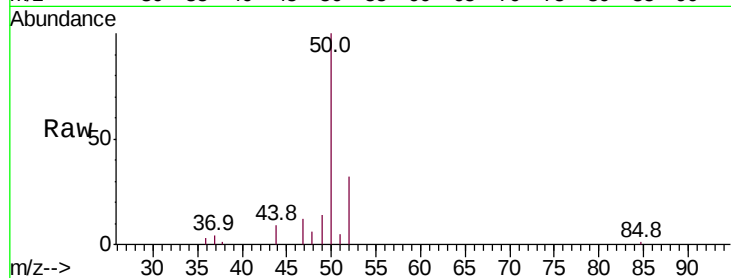
52 32.1 25.2 37.8

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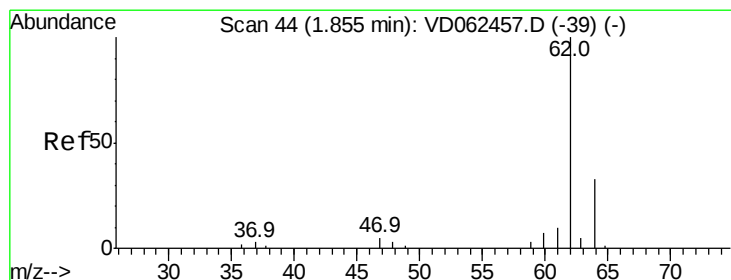
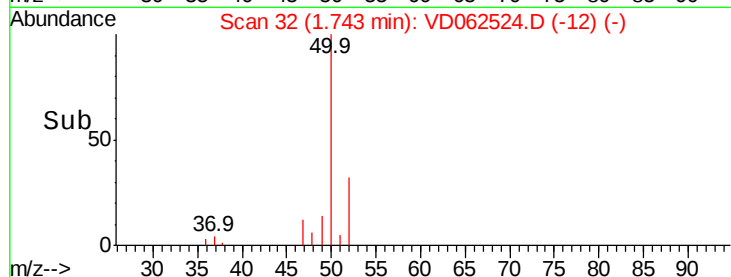
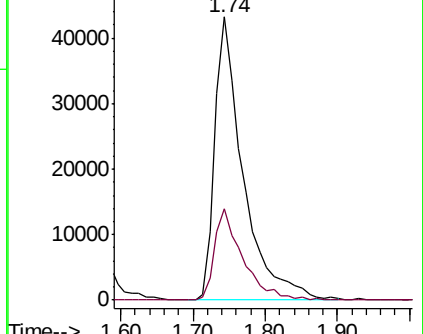
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.937 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD062524.D

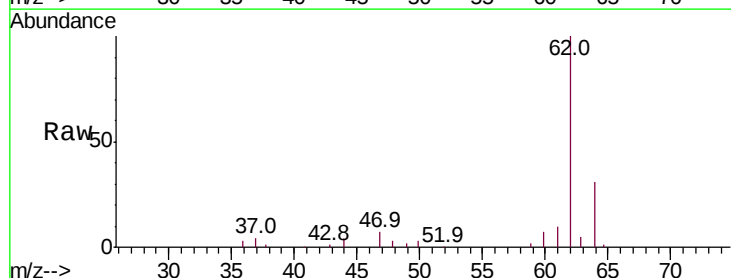
Acq: 23 May 2019 18:22

Tgt Ion: 62 Resp: 134373

Ion Ratio Lower Upper

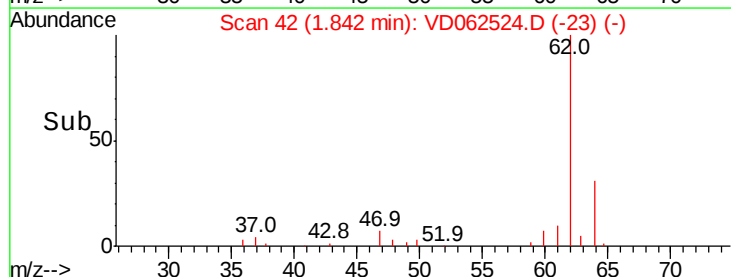
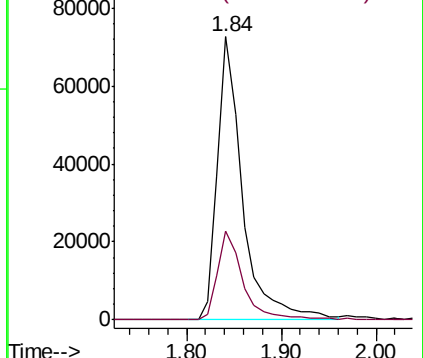
62 100

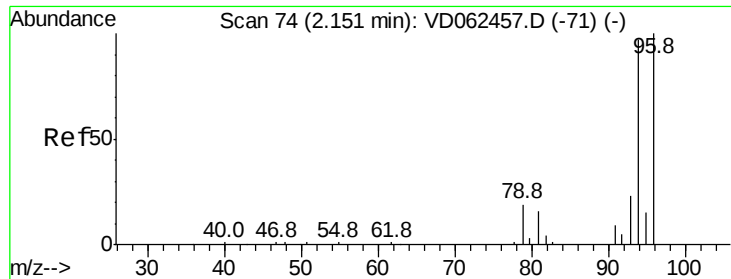
64 31.3 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





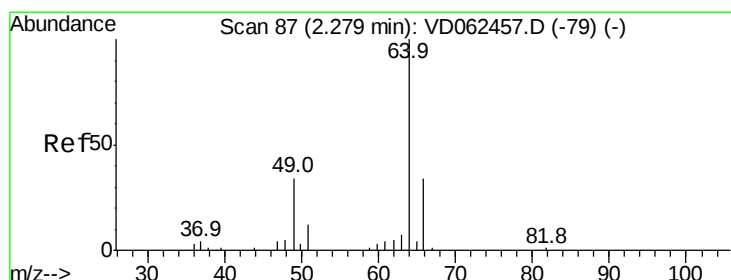
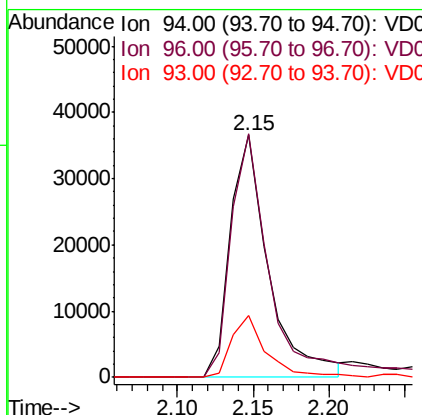
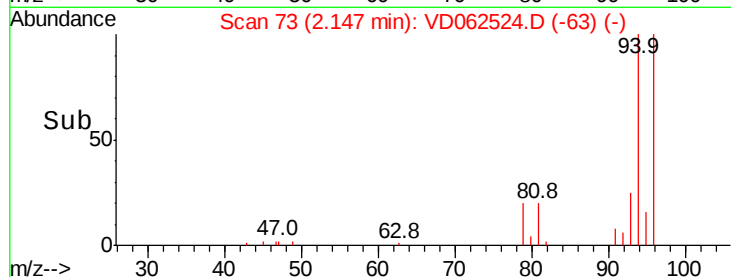
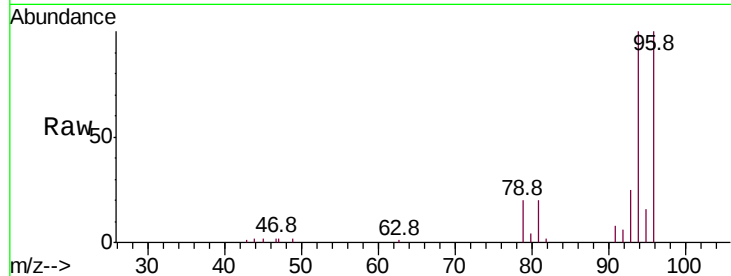
#5
Bromomethane
Concen: 55.519 ug/l
RT: 2.15 min Scan# 73
Delta R.T. -0.00 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

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Tot Ion	Ratio	Lower	Upper
94	100		
96	100.5	76.6	115.0
93	25.6	18.5	27.7

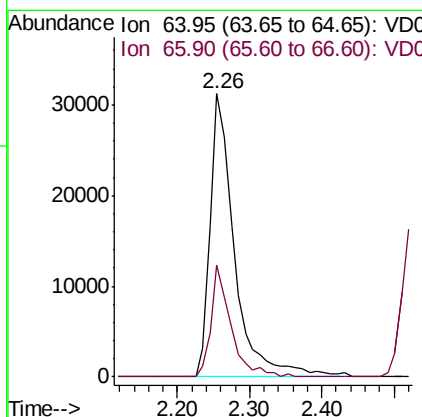
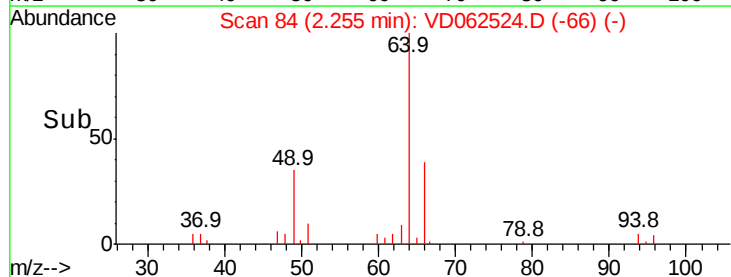
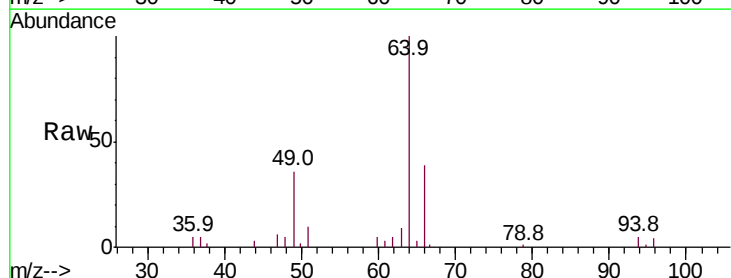
Manual Integrations
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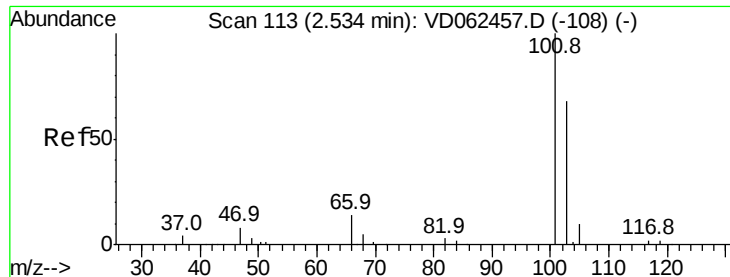
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#6
Chloroethane
Concen: 55.815 ug/l
RT: 2.26 min Scan# 84
Delta R.T. -0.02 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion	Ratio	Lower	Upper
64	100		
66	39.3	25.6	38.4#





#7

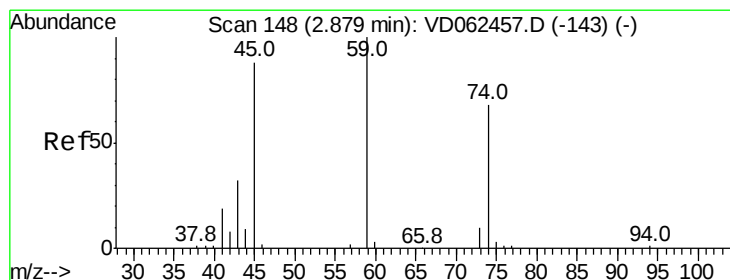
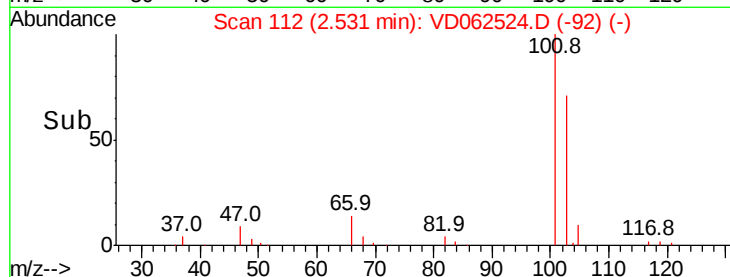
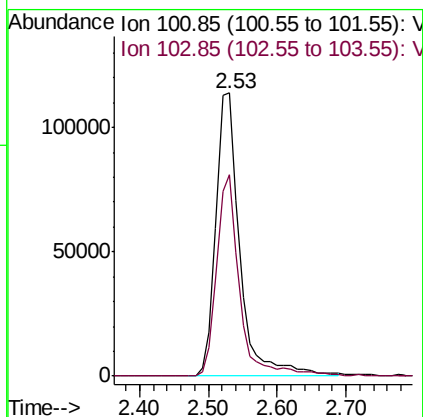
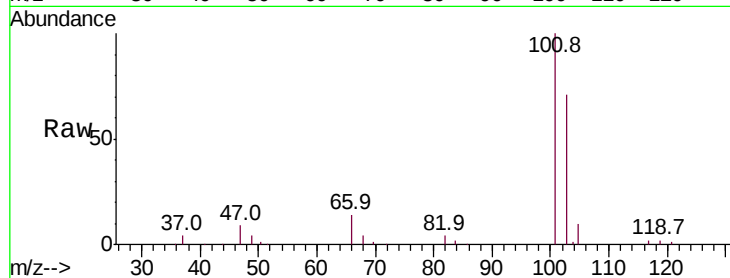
Trichlorofluoromethane
Concen: 44.468 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 276468
Ion Ratio Lower Upper
101 100
103 71.3 53.6 80.4

Manual Integrations
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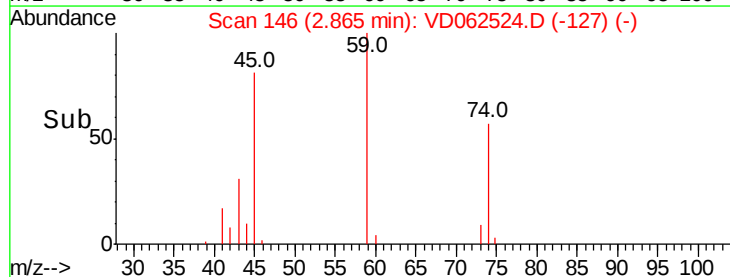
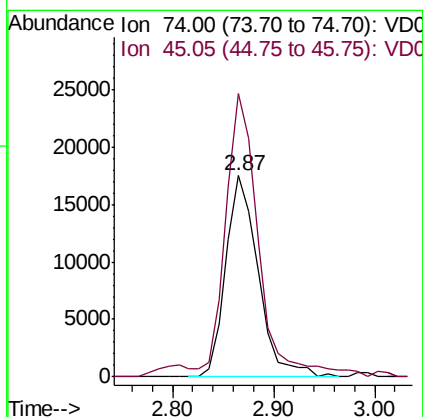
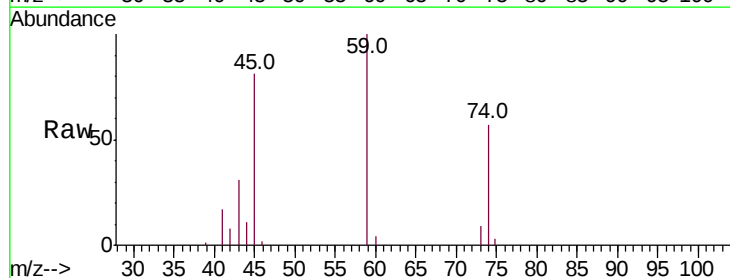
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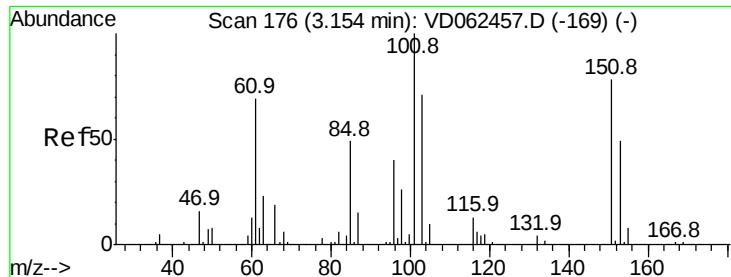


#8

Diethyl Ether
Concen: 46.558 ug/l
RT: 2.87 min Scan# 146
Delta R.T. -0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion: 74 Resp: 39048
Ion Ratio Lower Upper
74 100
45 140.6 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.047 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

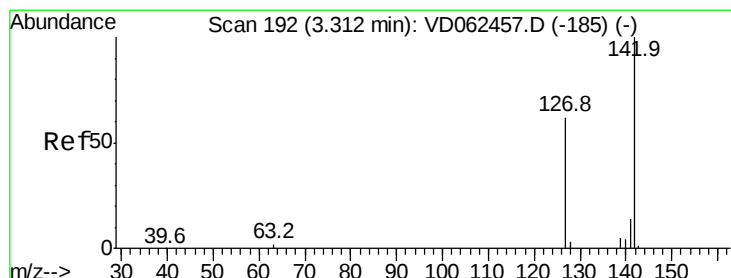
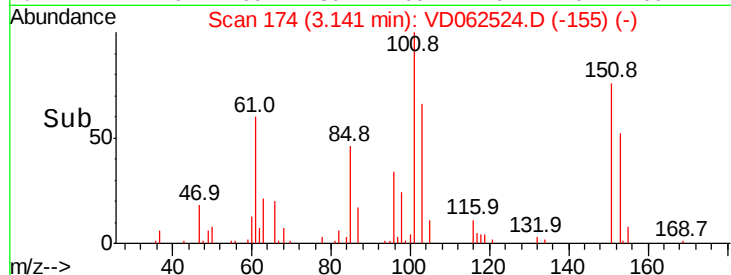
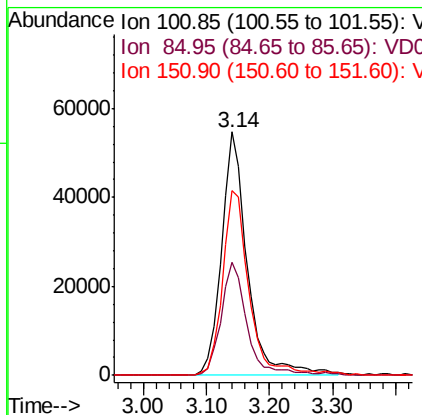
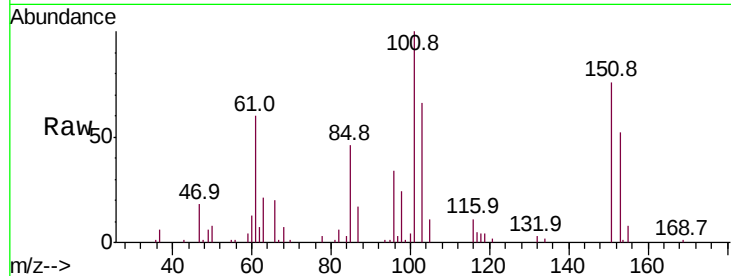
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	155523
Ion Ratio	Lower	Upper	
101	100		
85	46.3	32.4	48.6
151	75.8	59.4	89.0

Manual Integrations
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#10

Methyl Iodide

Concen: 53.788 ug/l

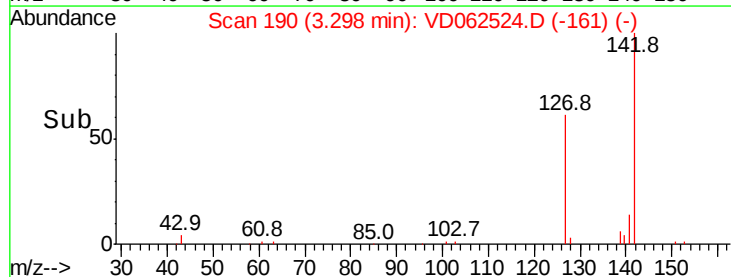
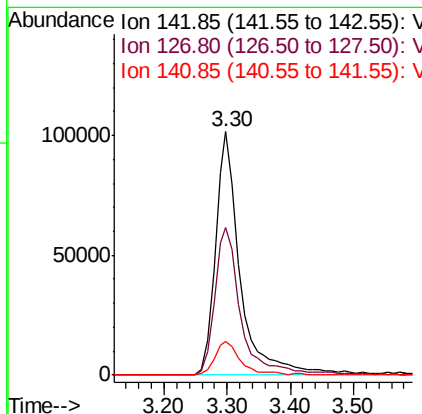
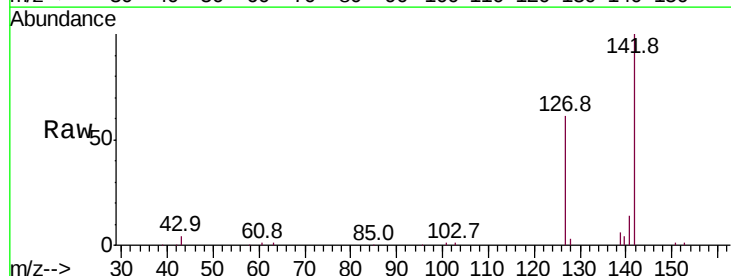
RT: 3.30 min Scan# 190

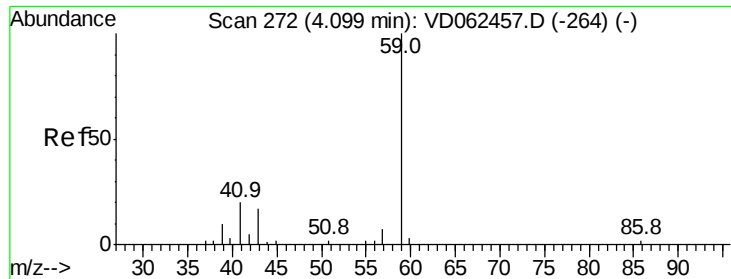
Delta R.T. -0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Tgt Ion:	142	Resp:	277410
Ion Ratio	Lower	Upper	
142	100		
127	60.5	38.8	58.2#
141	14.0	11.4	17.0





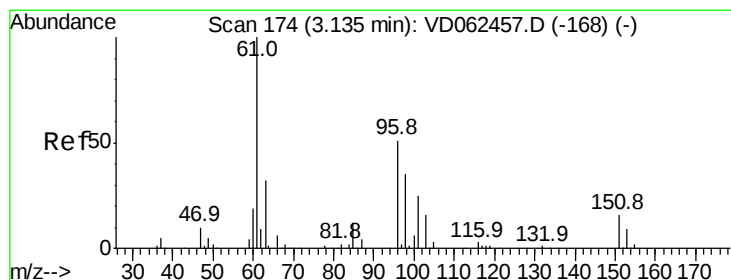
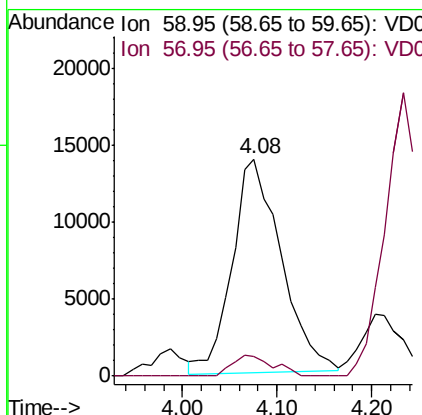
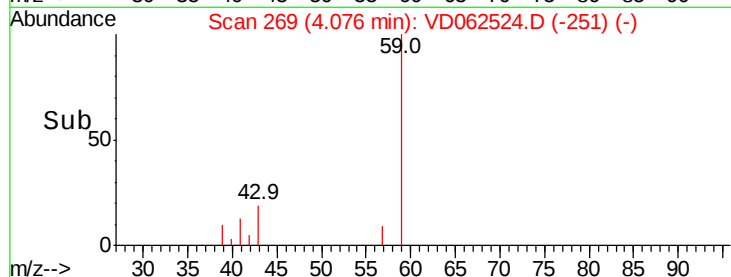
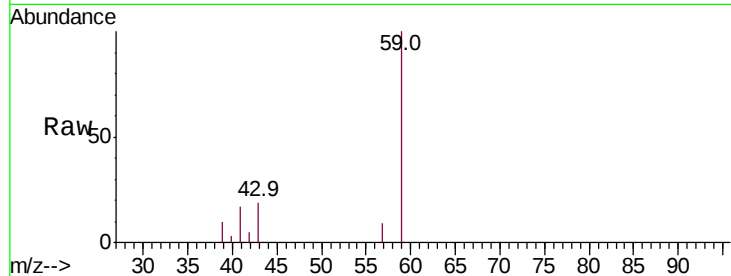
#11
Tert butyl alcohol
Concen: 271.917 ug/l
RT: 4.08 min Scan# 269
Delta R.T. -0.02 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	6.9	10.3

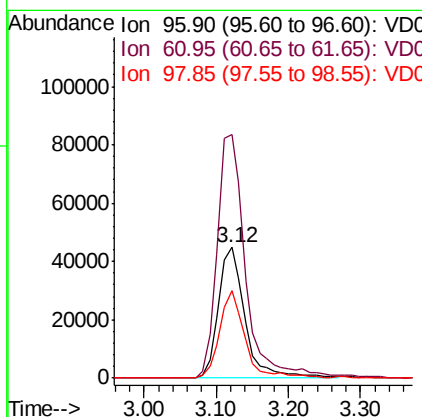
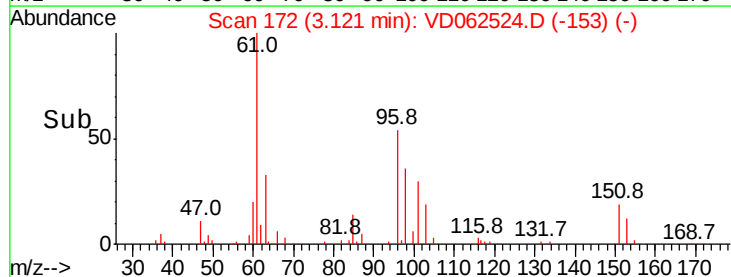
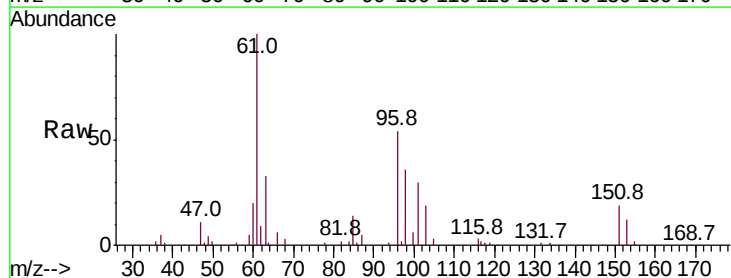
Manual Integrations
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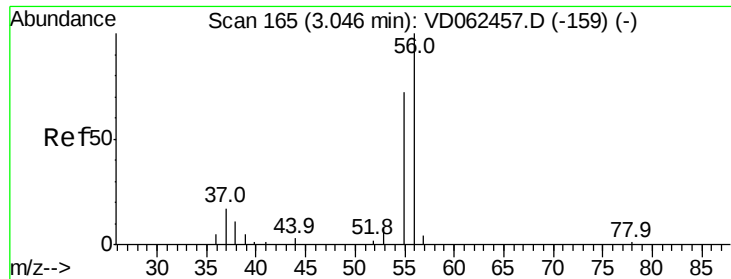
MMDadoda
5/24/2019 10:45:07 PM



#12
1,1-Dichloroethene
Concen: 41.598 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.0	129.8	194.8
98	67.0	51.2	76.8





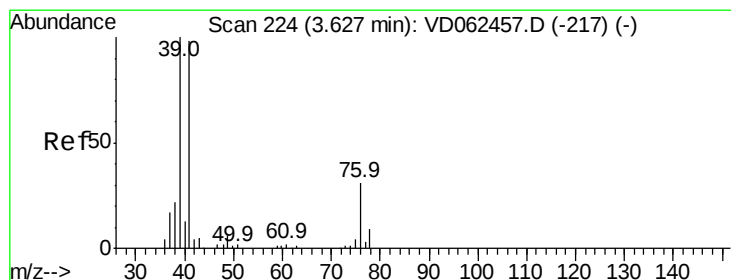
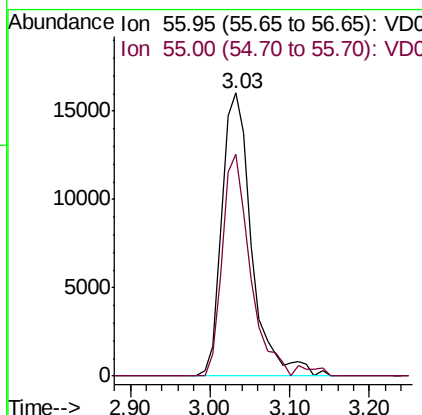
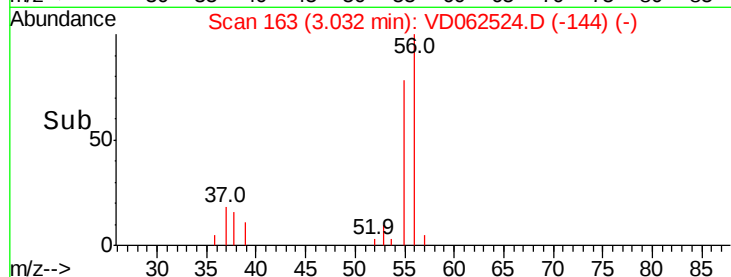
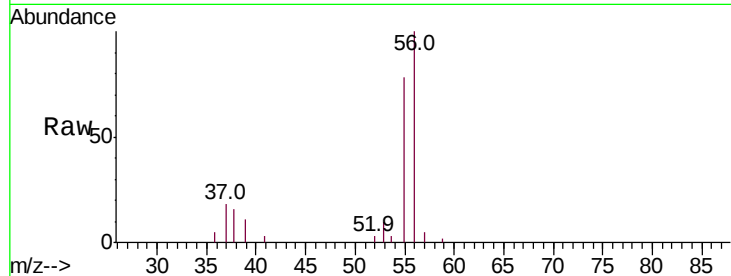
#13
Acrolein
Concen: 279.401 ug/l
RT: 3.03 min Scan# 163
Delta R.T. -0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 42318
Ion Ratio Lower Upper
56 100
55 78.5 51.4 77.2#

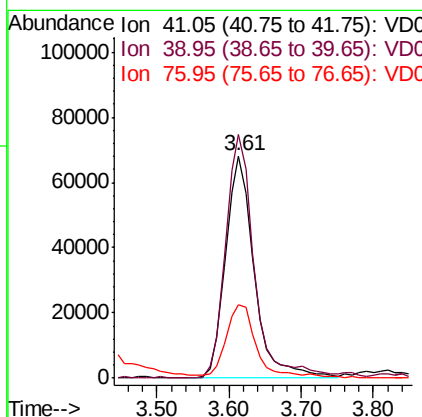
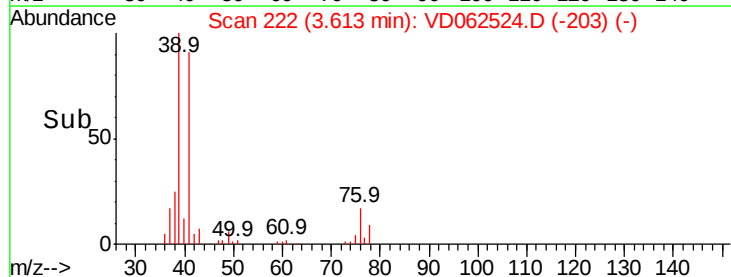
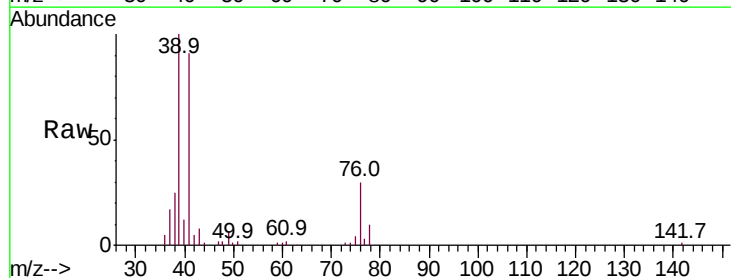
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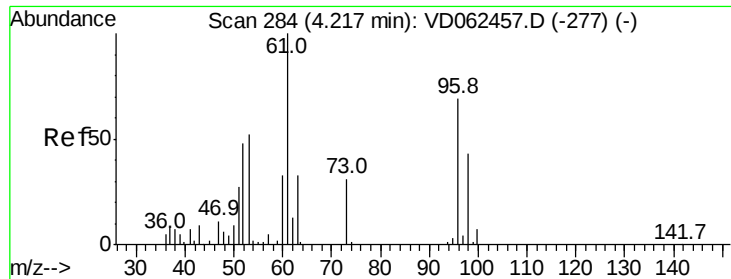
MMDadoda
5/24/2019 10:45:07 PM



#14
Allyl chloride
Concen: 46.931 ug/l
RT: 3.61 min Scan# 222
Delta R.T. -0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion: 41 Resp: 189162
Ion Ratio Lower Upper
41 100
39 109.6 60.5 90.7#
76 33.2 31.8 47.8





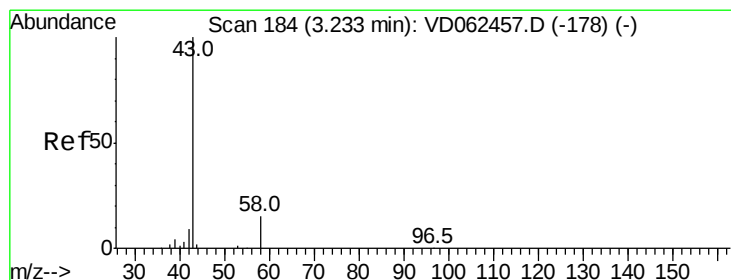
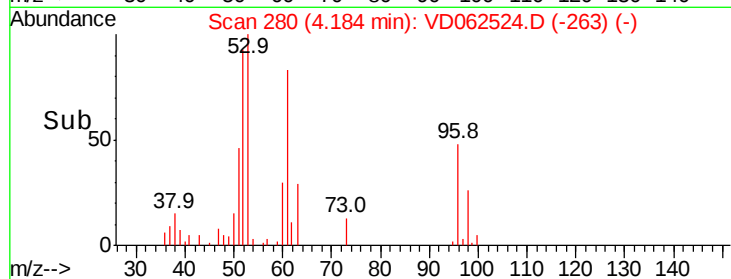
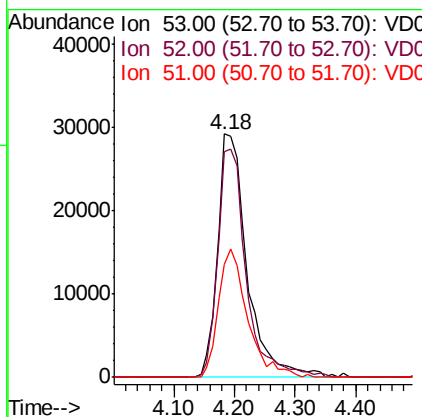
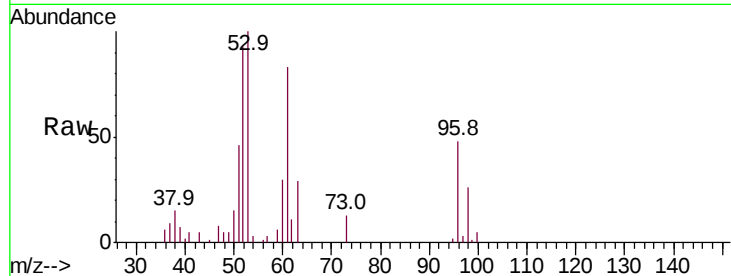
#15
 Acrylonitrile
 Concen: 236.560 ug/l
 RT: 4.18 min Scan# 280
 Delta R.T. -0.03 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	92.7	65.0	97.4
51	46.4	32.6	48.8

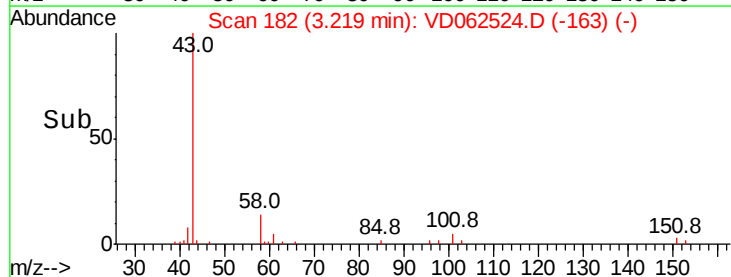
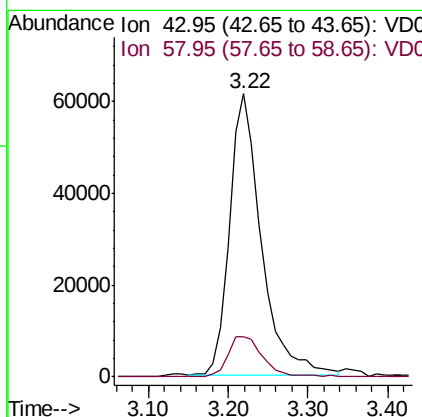
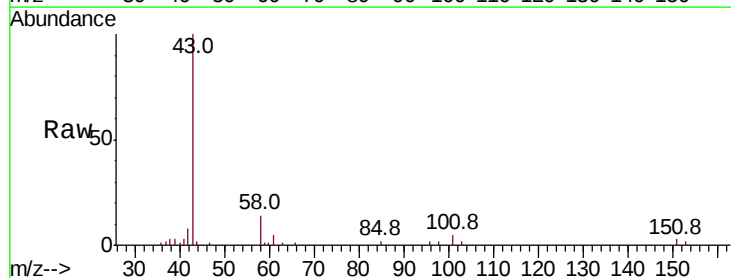
Manual Integrations
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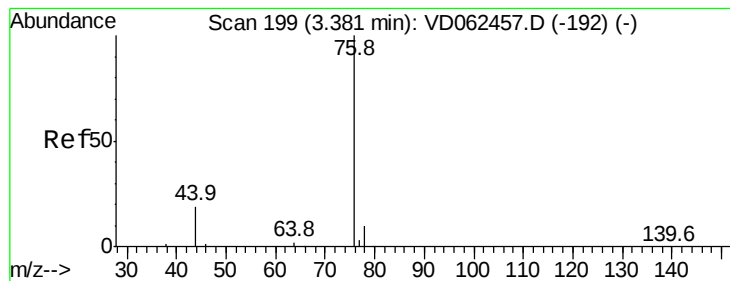
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 5/24/2019 10:45:07 PM



#16
 Acetone
 Concen: 238.598 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Tgt Ion	Ratio	Lower	Upper
43	100		
58	14.0	19.9	29.9#





#17

Carbon Disulfide

Concen: 44.087 ug/l

RT: 3.37 min Scan# 197

Delta R.T. -0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 364994

Ion Ratio Lower Upper

76 100

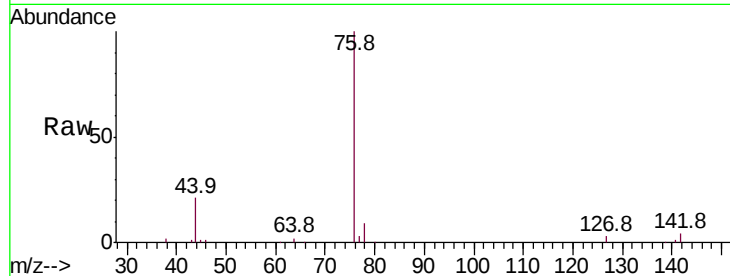
78 8.8 7.2 10.8

Manual Integrations

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.37

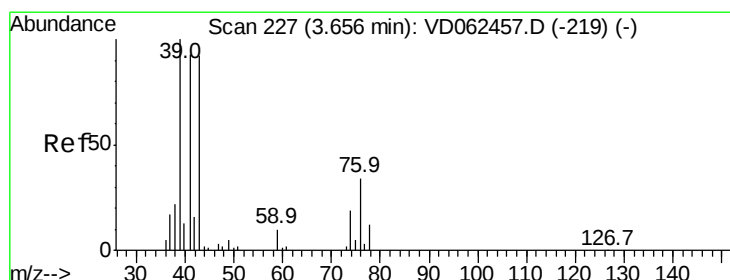
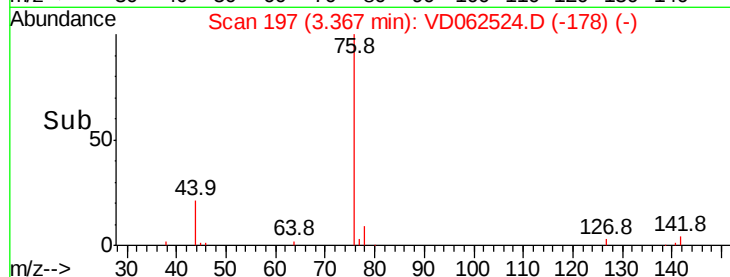
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 49.022 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD062524.D

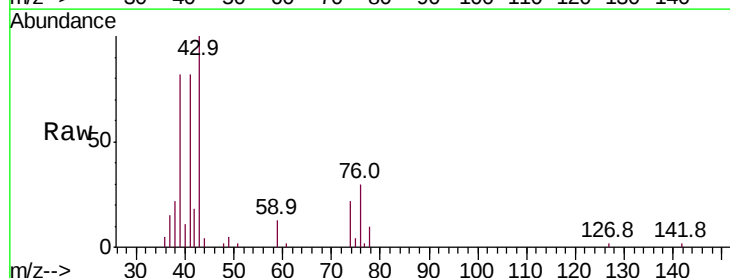
Acq: 23 May 2019 18:22

Tgt Ion: 43 Resp: 59895

Ion Ratio Lower Upper

43 100

74 22.0 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

25000

20000

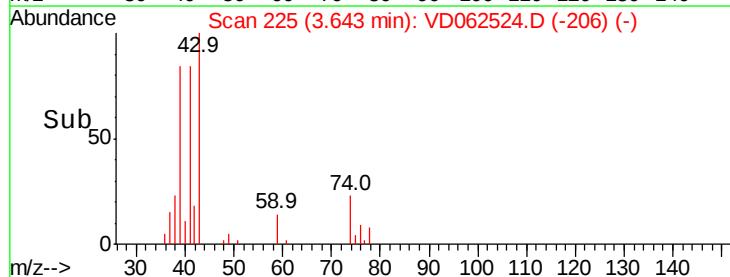
15000

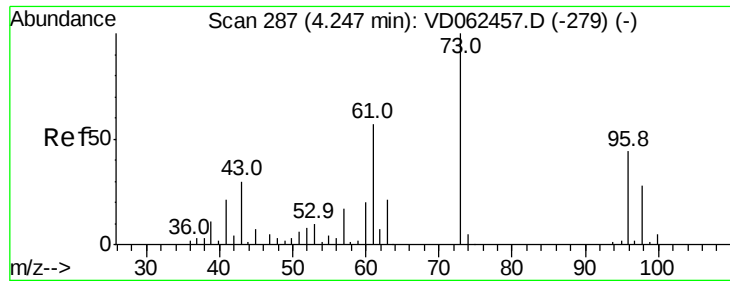
10000

5000

0

Time-->





#19

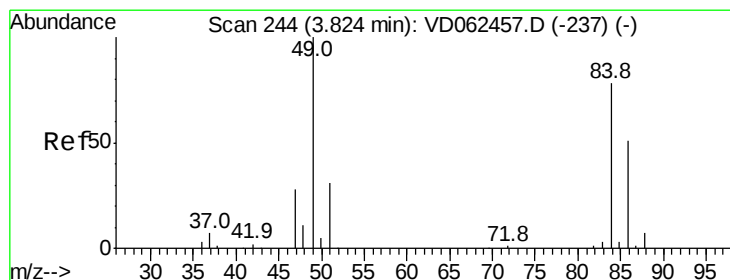
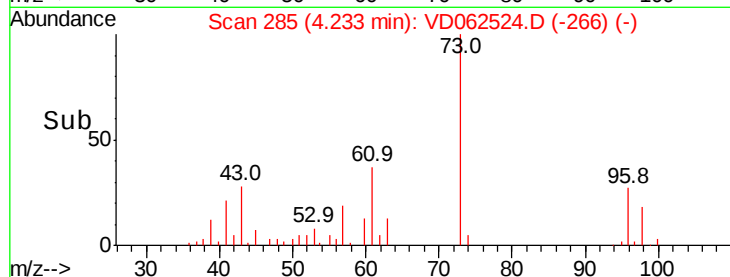
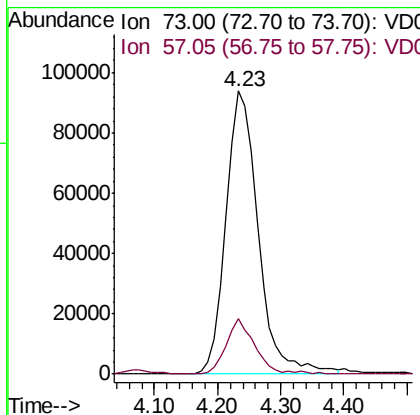
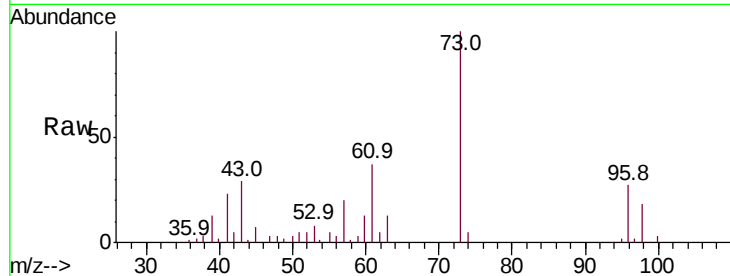
Methyl tert-butyl Ether
 Concen: 52.882 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. -0.01 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.6	16.3	24.5

Manual Integrations
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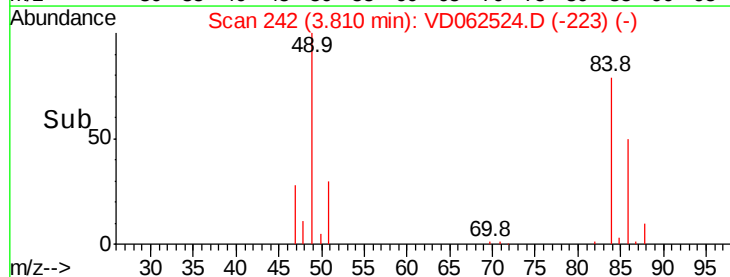
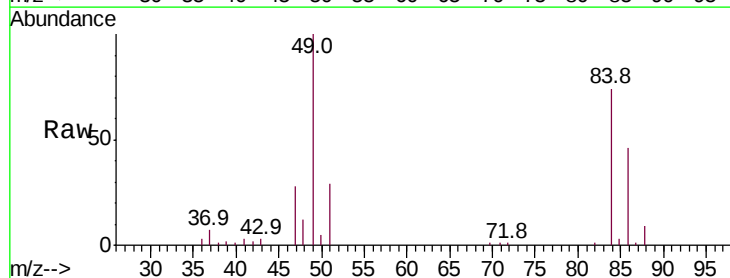
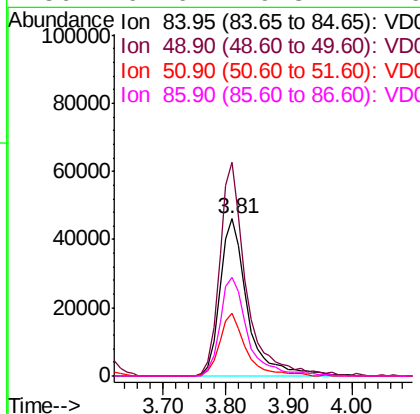
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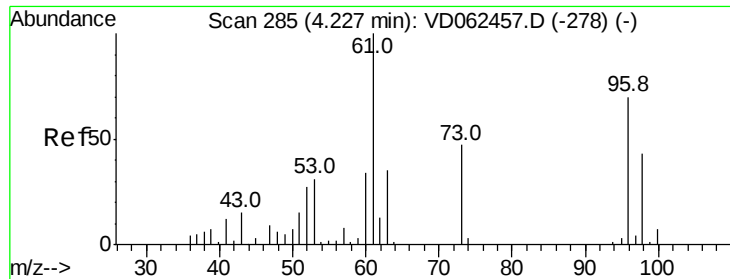


#20

Methylene Chloride
 Concen: 45.617 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.8	94.0	141.0
51	39.9	29.0	43.4
86	62.6	49.8	74.6





#21

trans-1,2-Dichloroethene

Concen: 45.868 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 146787

Ion Ratio Lower Upper

96 100

61 148.6 104.4 156.6

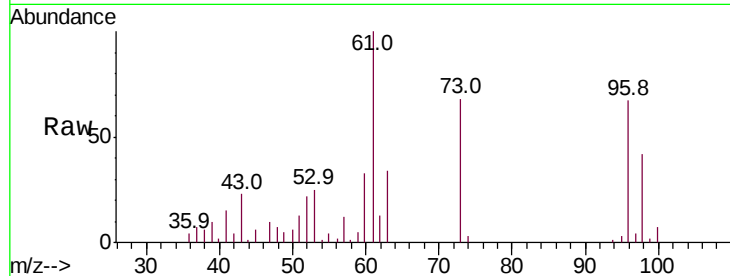
98 63.1 51.8 77.8

Manual Integrations

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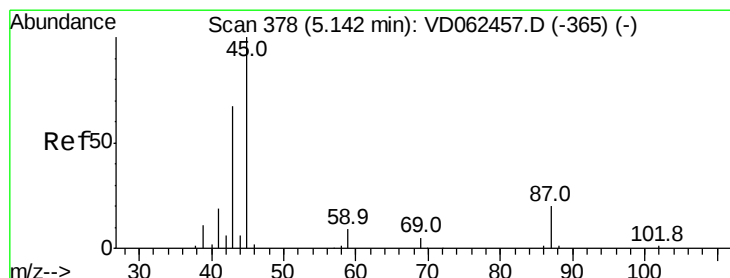
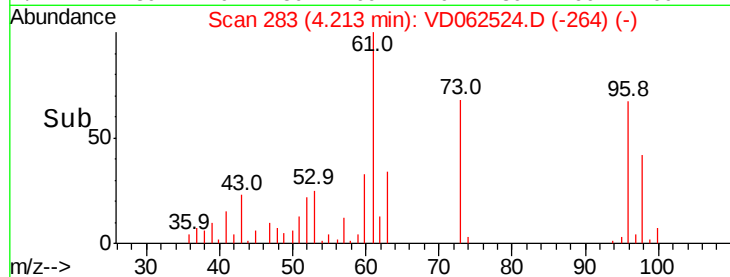
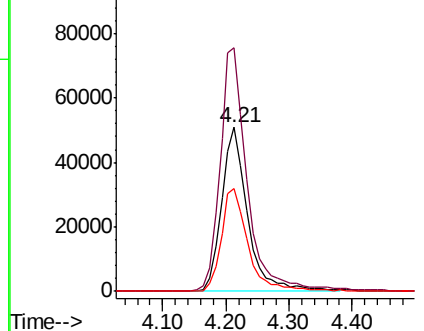
5/24/2019 10:45:07 PM



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: 48.658 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.02 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Tgt Ion: 45 Resp: 417459

Ion Ratio Lower Upper

45 100

43 67.2 46.2 69.2

87 21.2 15.9 23.9

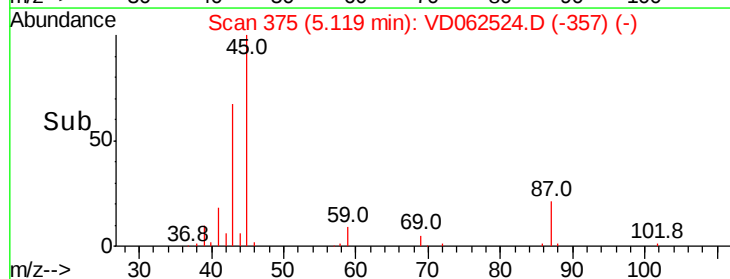
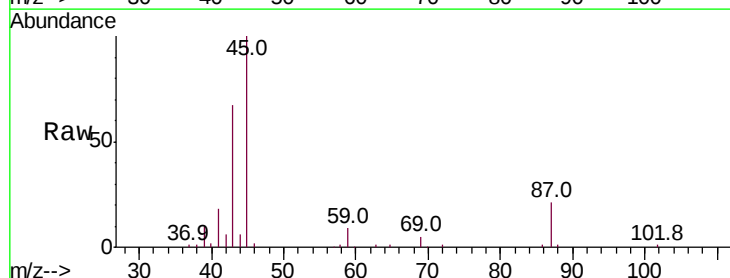
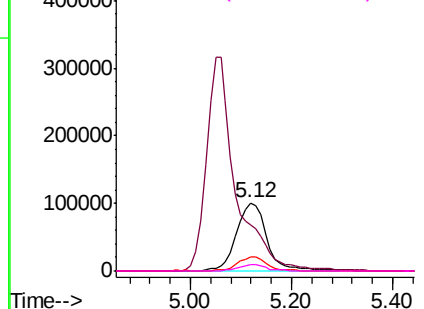
59 9.2 7.9 11.9

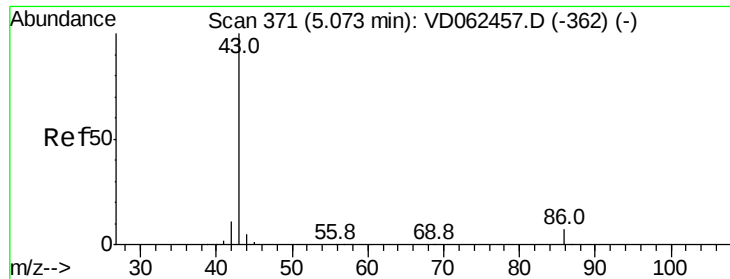
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 245.473 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.02 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1272559

Ion Ratio Lower Upper

43 100

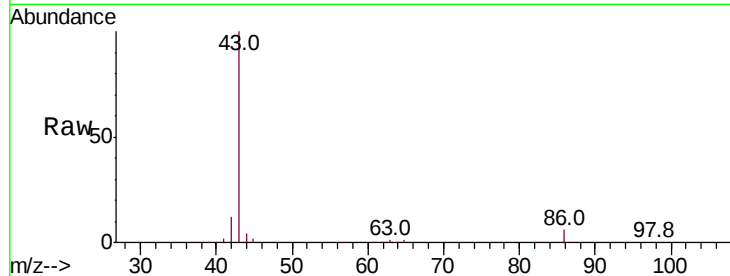
86 6.2 6.4 9.6#

Manual Integrations

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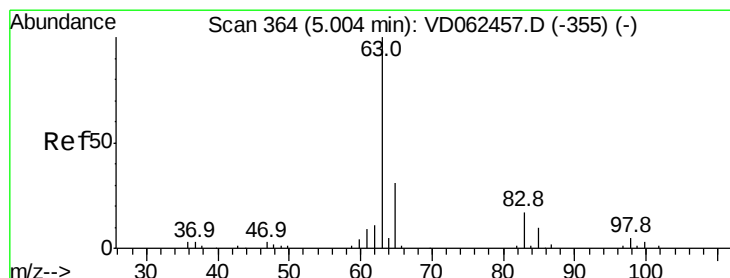
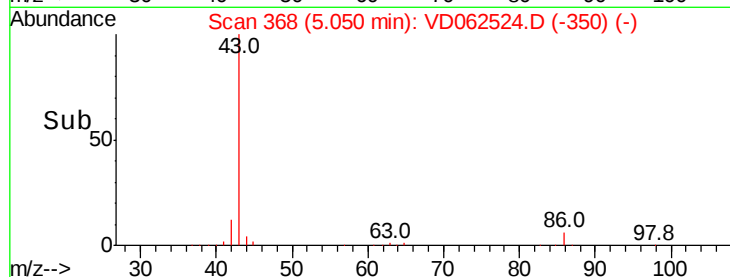
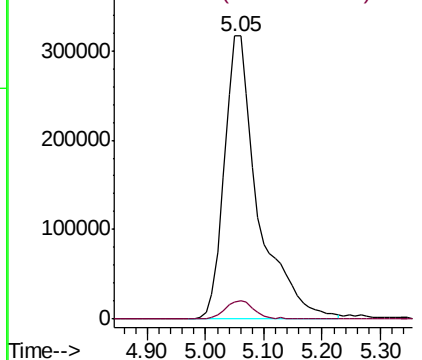
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 46.792 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.02 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

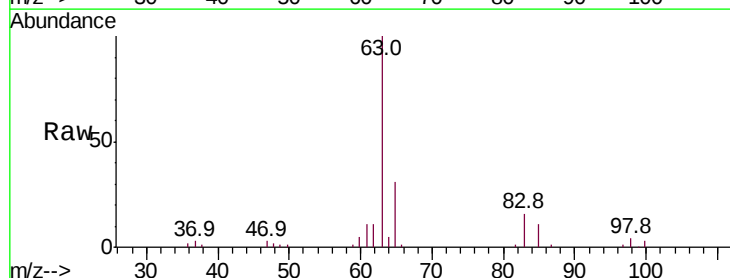
Tgt Ion: 63 Resp: 258546

Ion Ratio Lower Upper

63 100

98 3.9 2.8 8.4

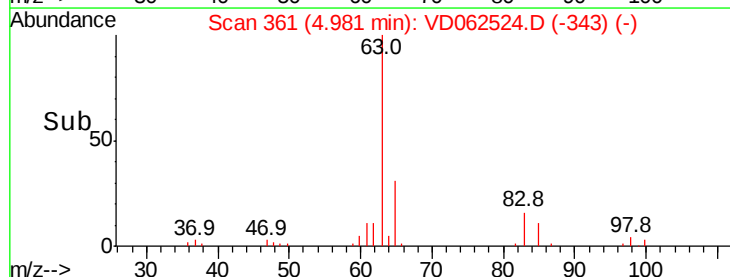
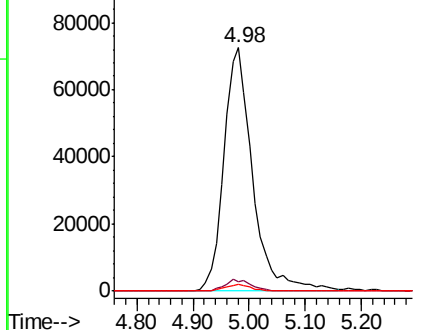
100 2.7 1.8 5.5

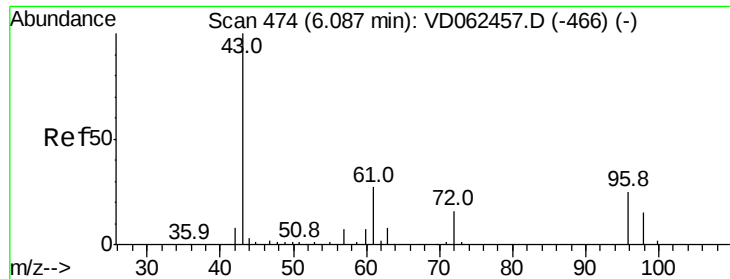


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 229.662 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 170078

Ion Ratio Lower Upper

43 100

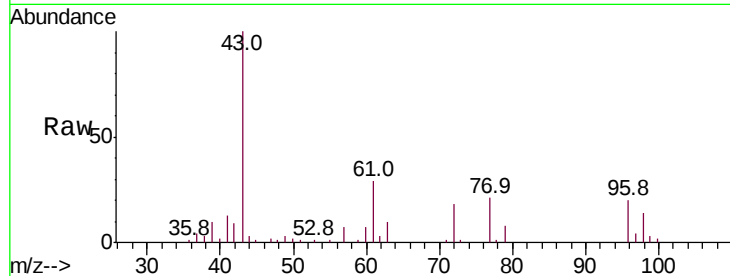
72 18.5 16.2 24.4

Manual Integrations

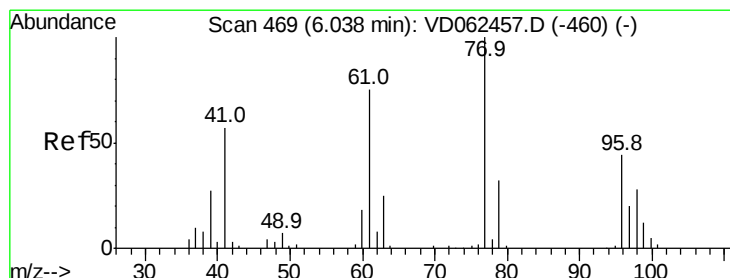
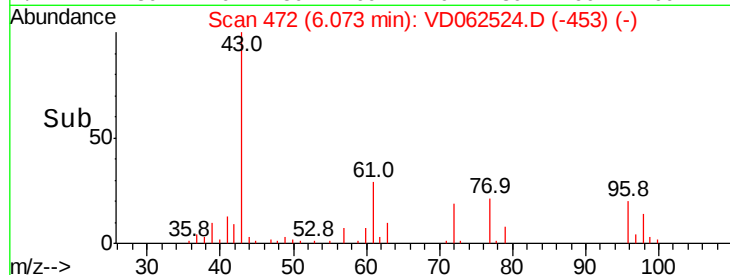
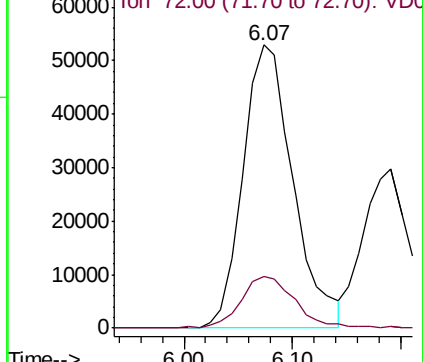
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Abundance Ion 42.95 (42.65 to 43.65): VDC



#26

2,2-Dichloropropane

Concen: 48.864 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD062524.D

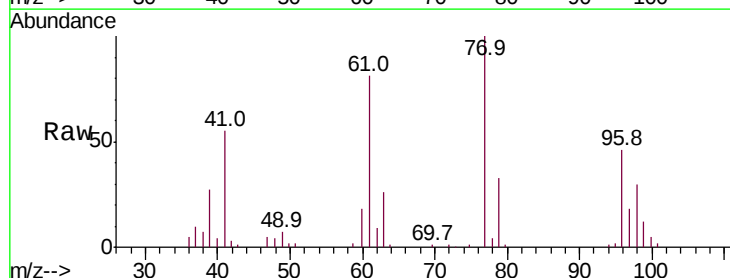
Acq: 23 May 2019 18:22

Tgt Ion: 77 Resp: 291043

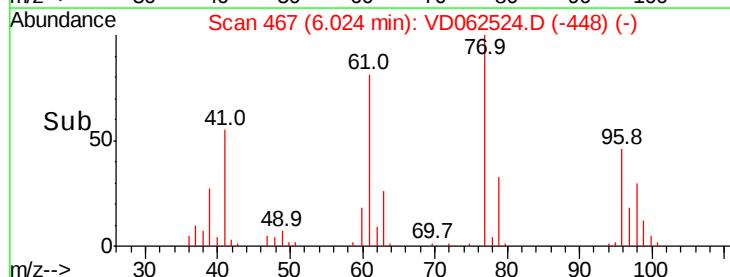
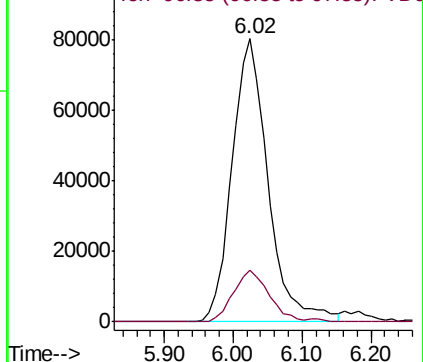
Ion Ratio Lower Upper

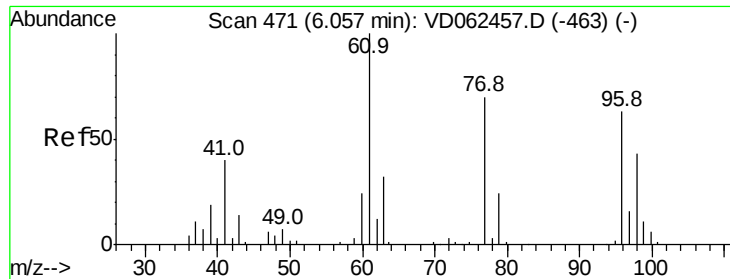
77 100

97 18.1 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC





#27

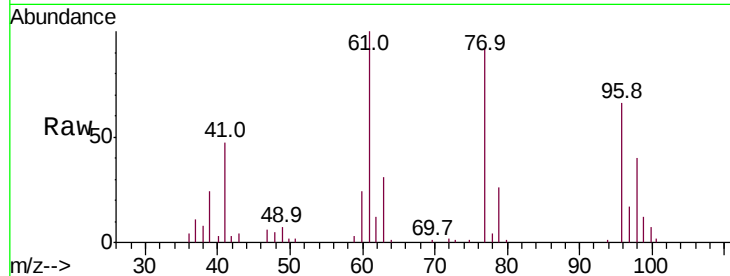
cis-1,2-Dichloroethene
 Concen: 44.960 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.02 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	155147		
61	151.8	0.0	279.8	
98	60.0	0.0	136.0	

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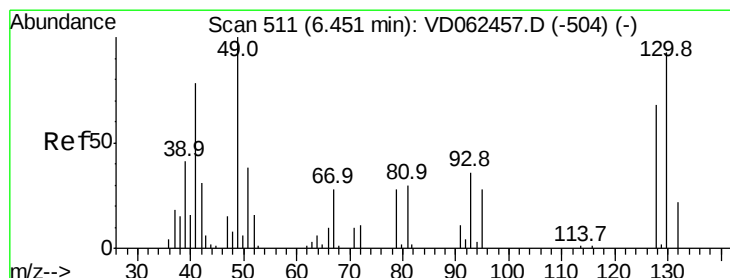
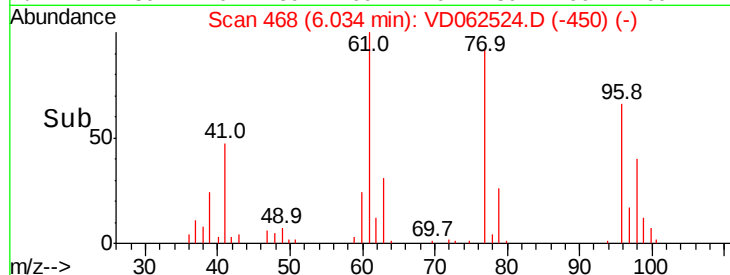
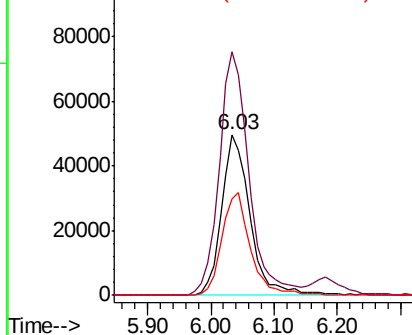


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

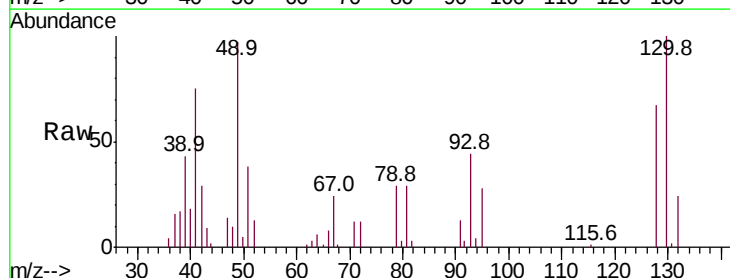
Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane
 Concen: 48.270 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	95725		
129	0.0	0.0	6.6	
130	102.8	86.7	130.1	

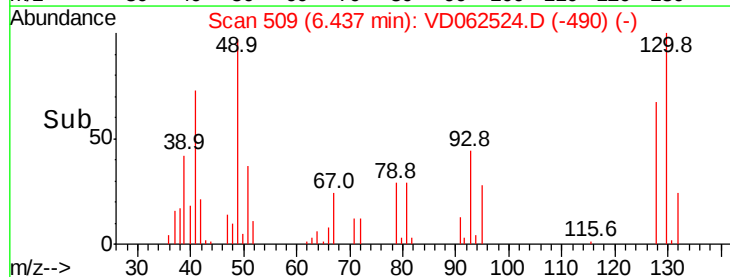
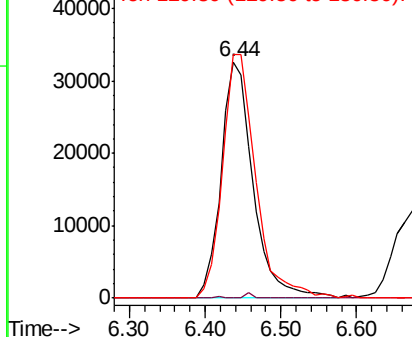


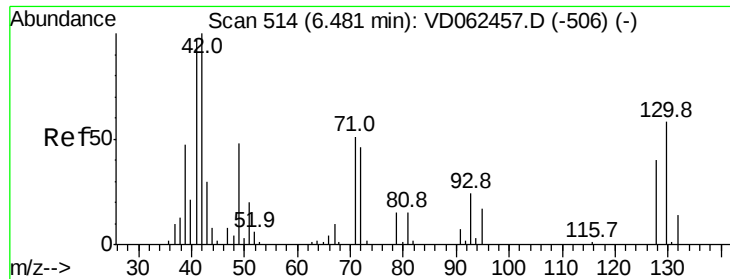
Abundance

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





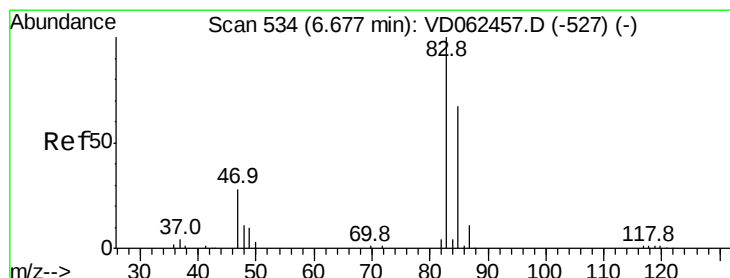
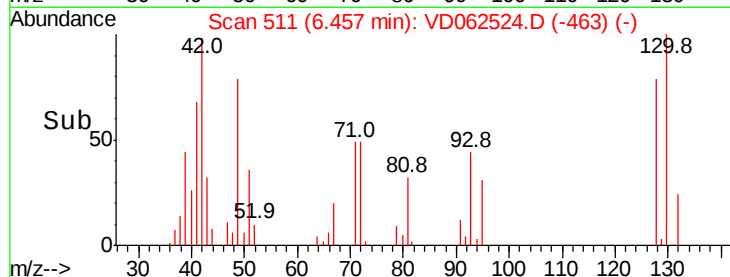
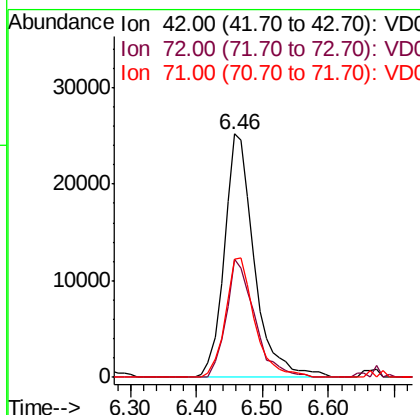
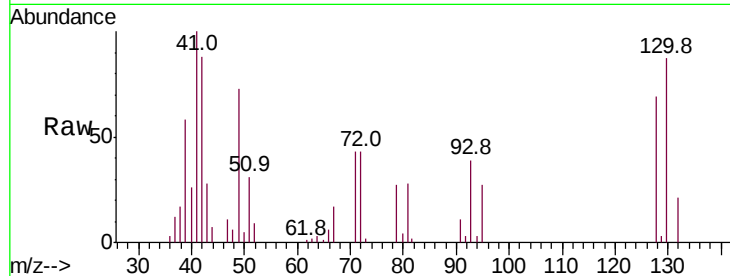
#29
Tetrahydrofuran
Concen: 225.887 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.02 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	37.8	56.6
71	47.8	36.7	55.1

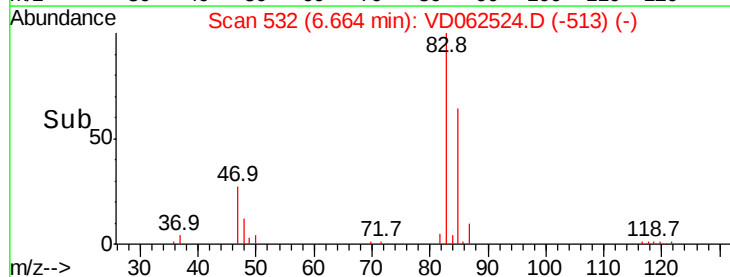
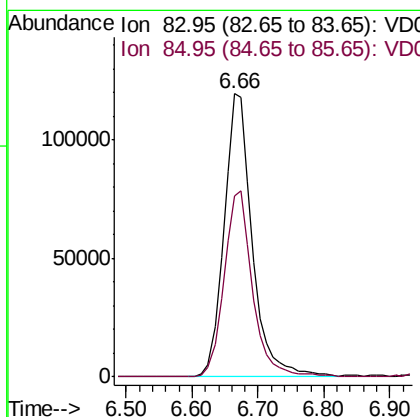
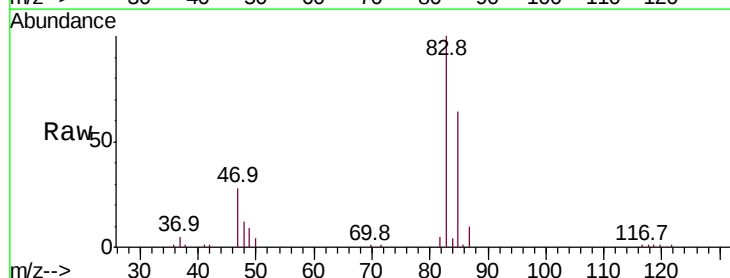
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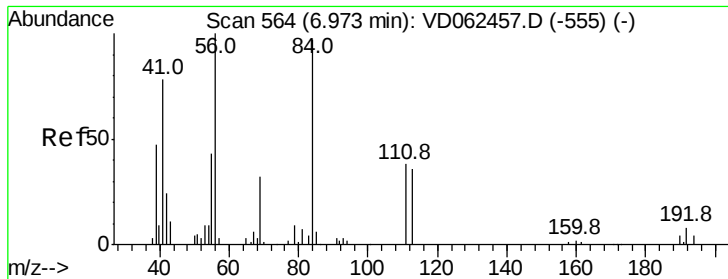
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#30
Chloroform
Concen: 50.762 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.7	77.5





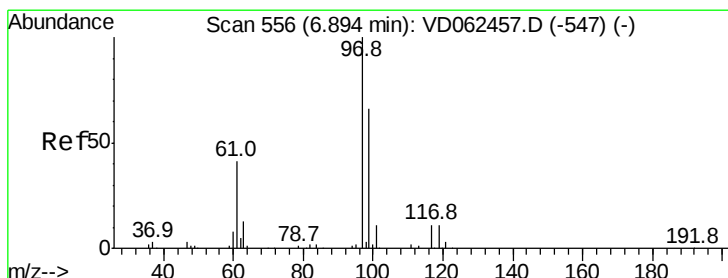
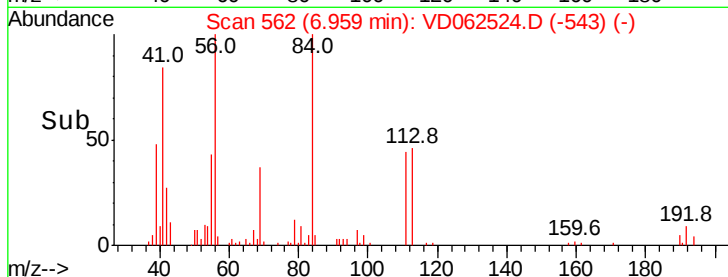
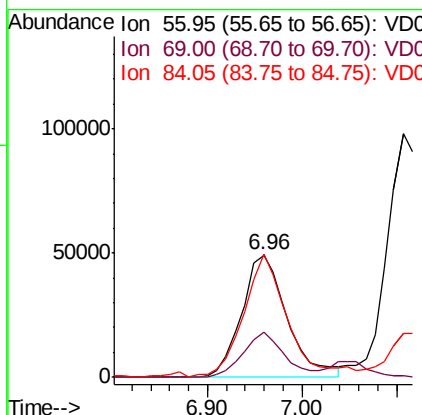
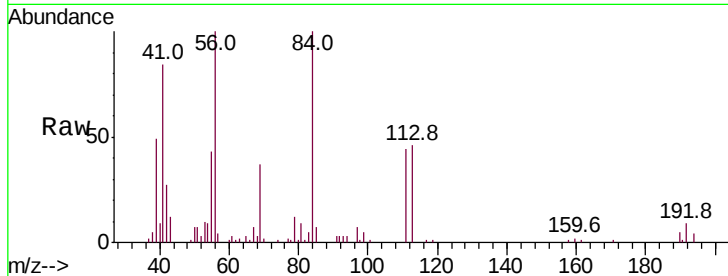
#31
Cvclohexane
Concen: 43.826 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.0	25.8	38.6
84	100.3	72.2	108.4

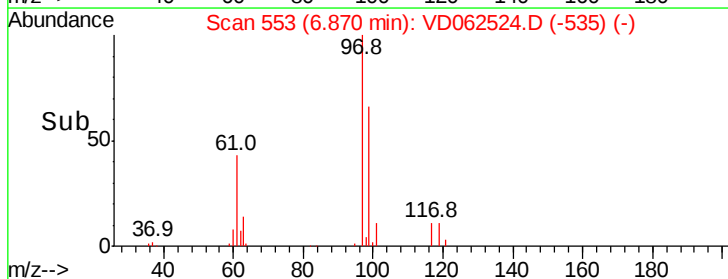
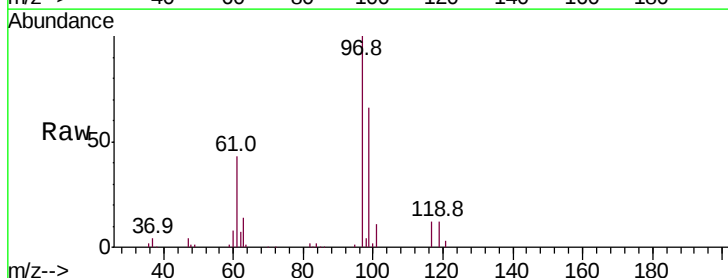
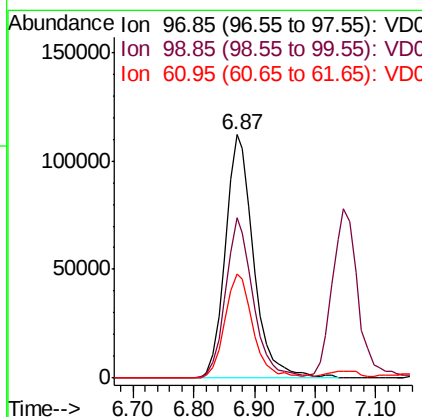
Manual Integrations
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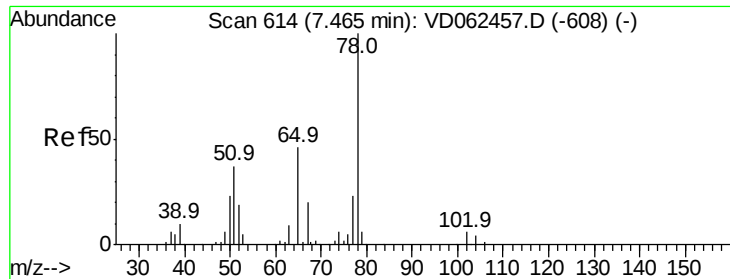
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#32
1,1,1-Trichloroethane
Concen: 50.721 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.02 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	52.2	78.2
61	42.6	32.4	48.6





#33

1,2-Dichloroethane-d4

Concen: 55.344 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 218677

Ion Ratio Lower Upper

65 100

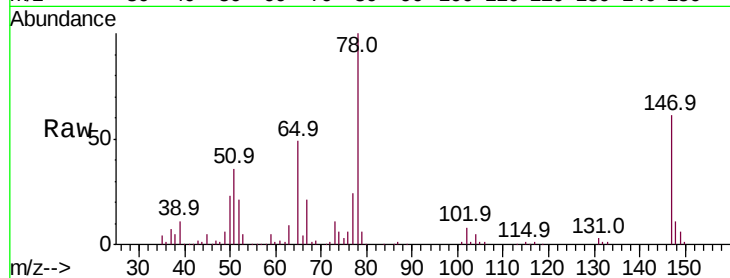
67 43.2 0.0 98.0

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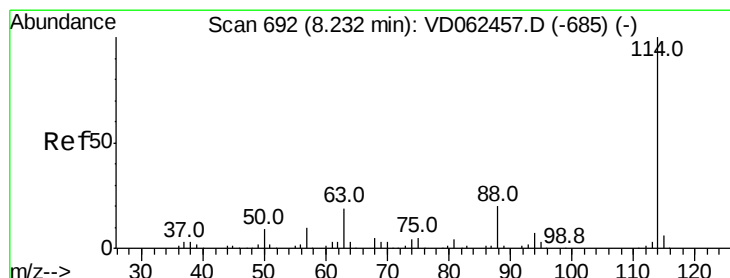
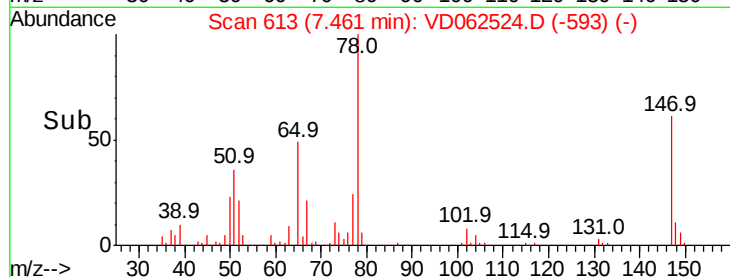
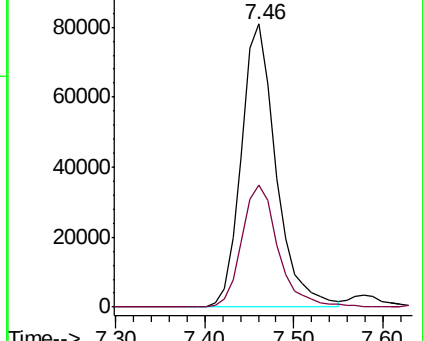
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Abundance Ion 64.95 (64.65 to 65.65): VDC

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: VD062524.D

Acq: 23 May 2019 18:22

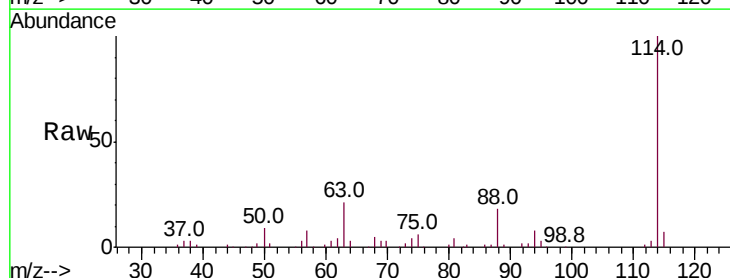
Tgt Ion: 114 Resp: 509258

Ion Ratio Lower Upper

114 100

63 21.1 0.0 32.4

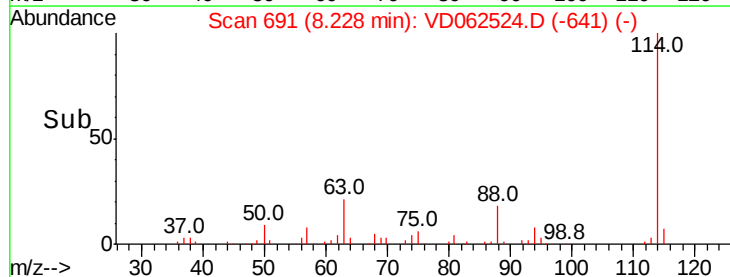
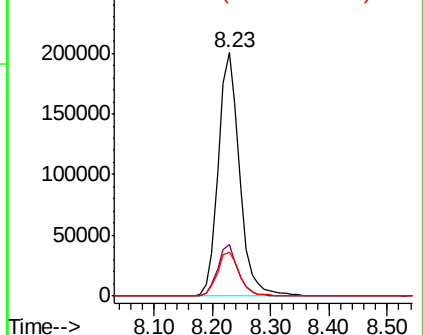
88 18.1 0.0 33.6

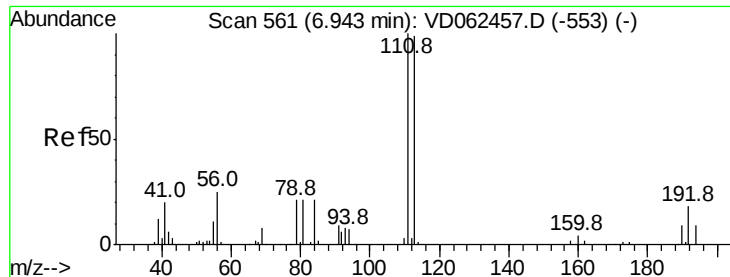


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 48.780 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

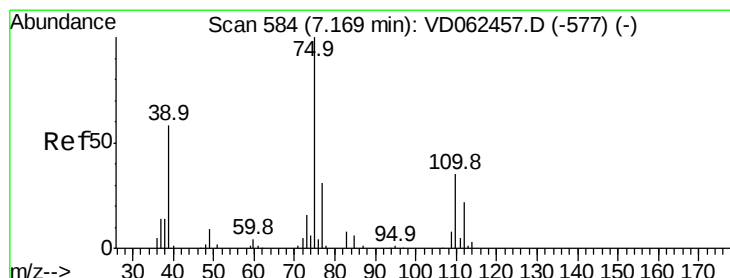
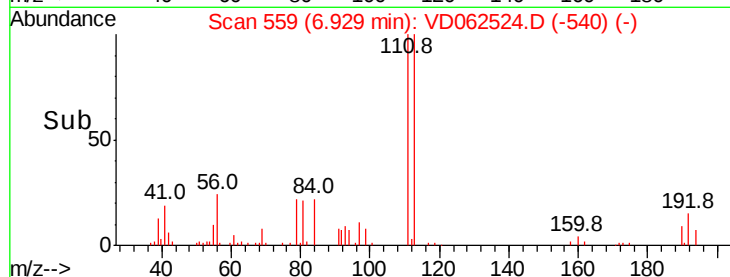
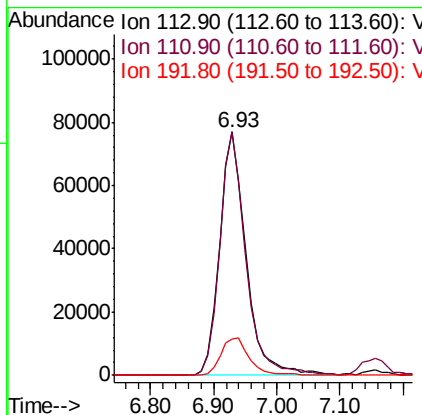
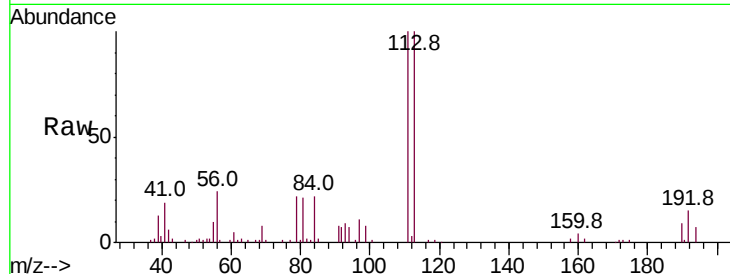
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	224103
Ion Ratio	Lower	Upper	
113	100		
111	100.2	78.5	117.7
192	15.0	13.0	19.4

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#36

1,1-Dichloropropene

Concen: 49.365 ug/l

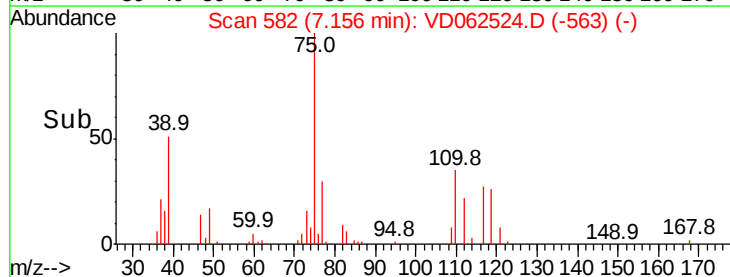
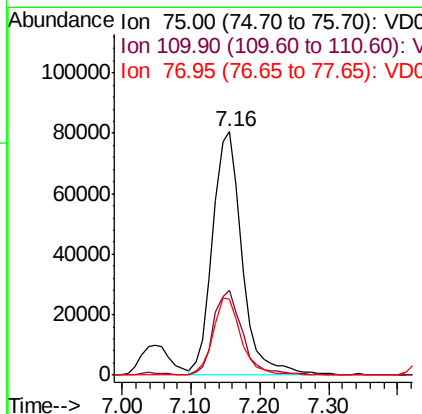
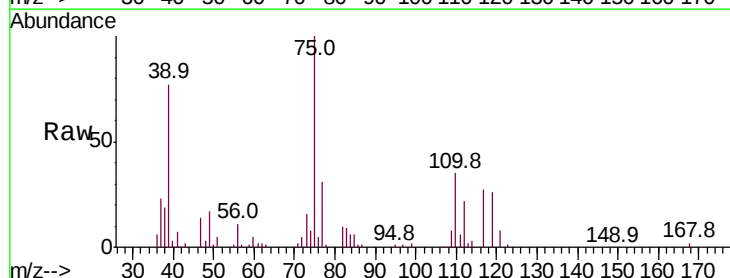
RT: 7.16 min Scan# 582

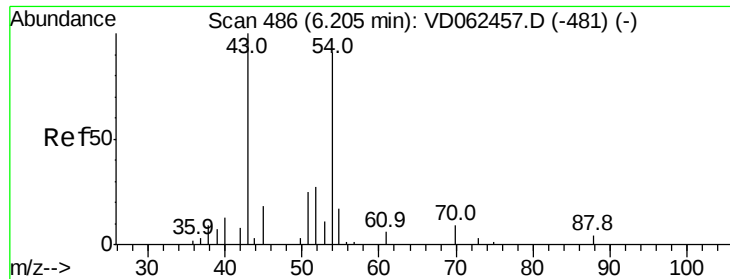
Delta R.T. -0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Tgt Ion:	75	Resp:	240351
Ion Ratio	Lower	Upper	
75	100		
110	34.9	19.1	57.1
77	31.0	25.6	38.4





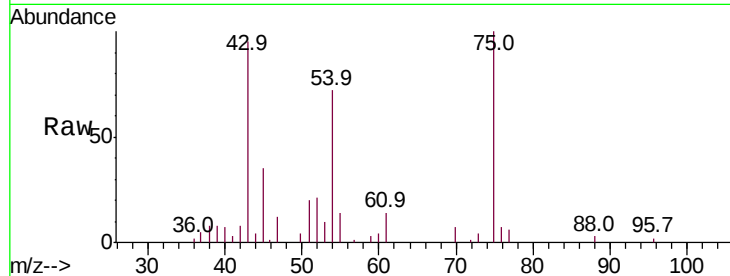
#37
Ethyl Acetate
Concen: 51.543 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	14.7	22.1
70	7.9	7.8	11.6

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Abundance

Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

100000

80000

60000

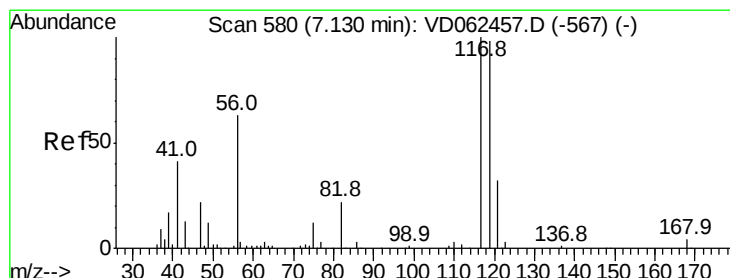
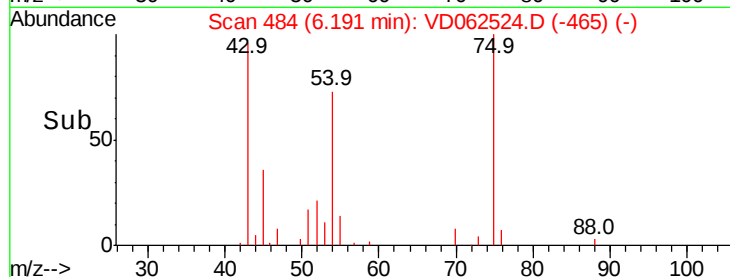
40000

20000

0

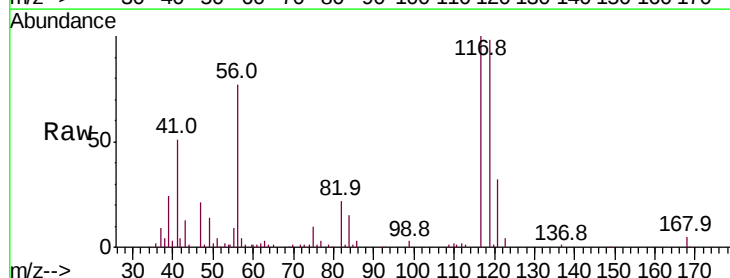
6.10 6.20 6.30 6.40

Time-->



#38
Carbon Tetrachloride
Concen: 52.531 ug/l m
RT: 7.12 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	75.8	113.8
121	32.2	25.9	38.9



Abundance

Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

150000

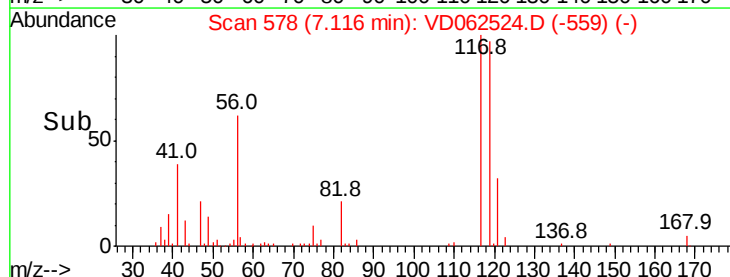
100000

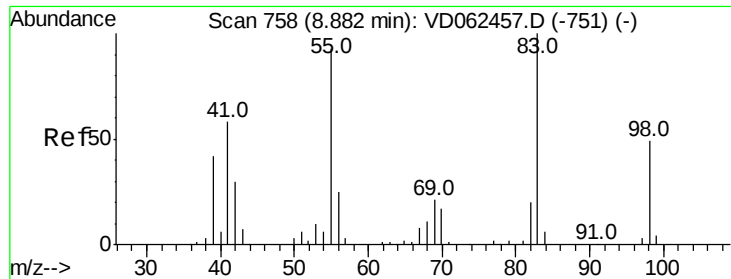
50000

0

7.00 7.10 7.20 7.30

Time-->





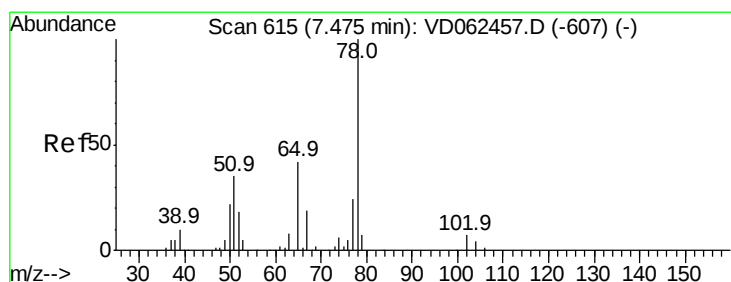
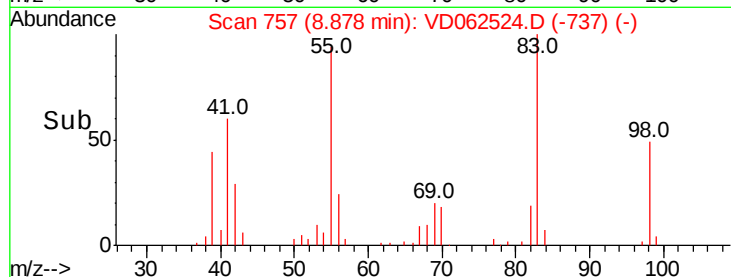
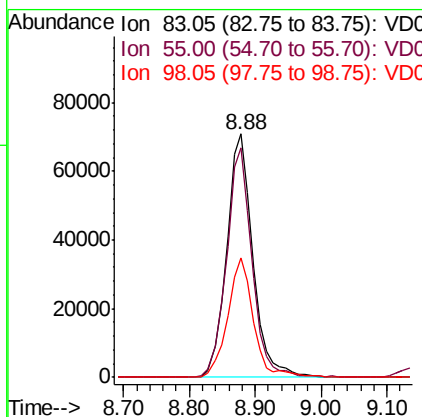
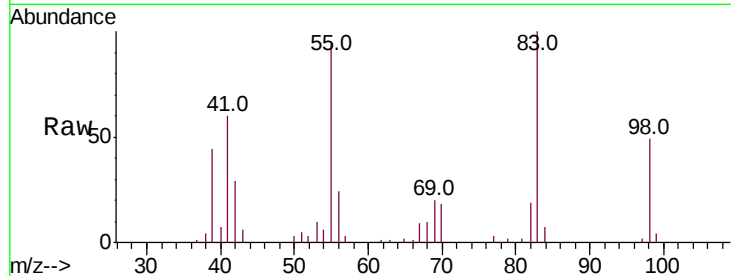
#39
Methvlcvclohexane
Concen: 48.921 ug/l
RT: 8.88 min Scan# 757
Delta R.T. -0.00 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	94.3	68.2	102.4
98	49.0	38.2	57.4

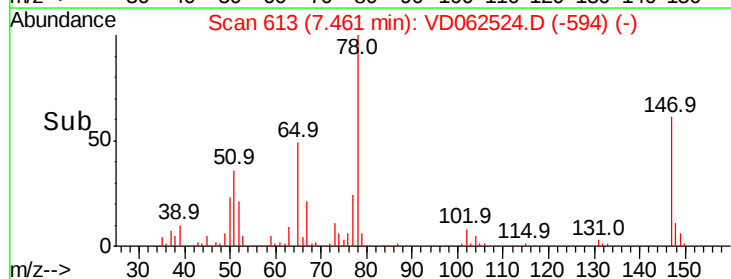
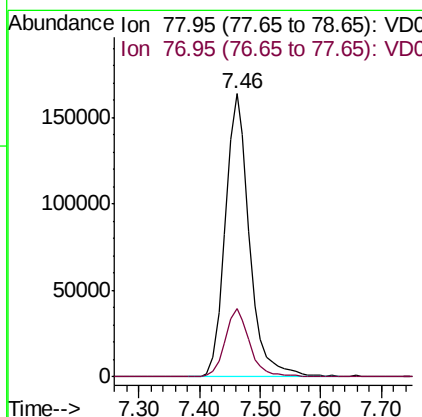
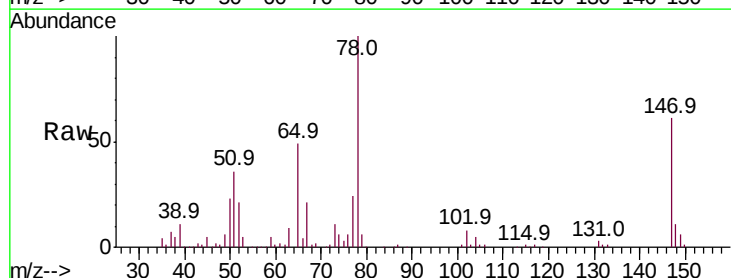
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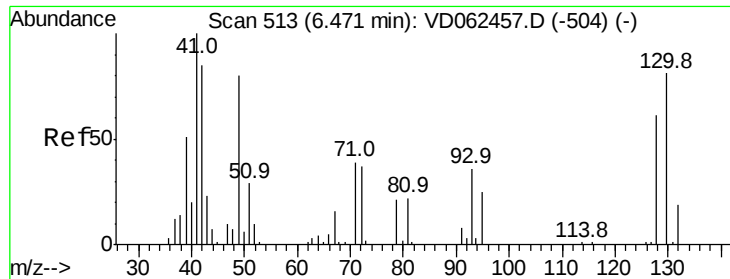
MMDadoda
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#40
Benzene
Concen: 47.398 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.7	29.5





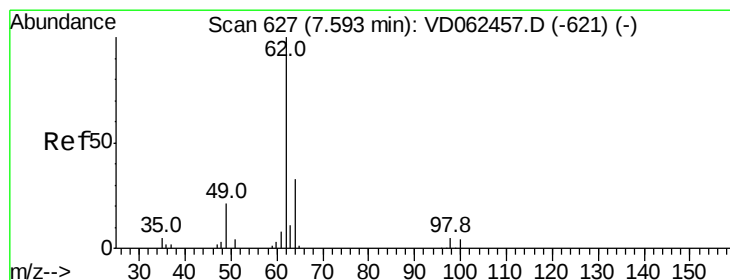
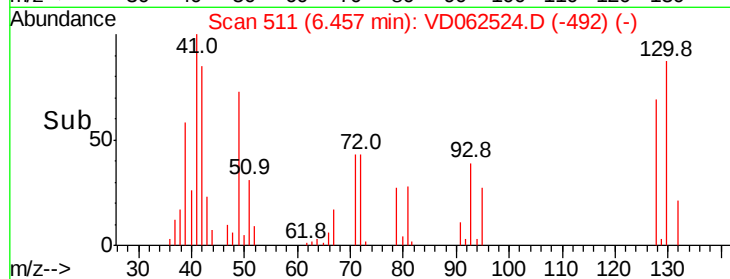
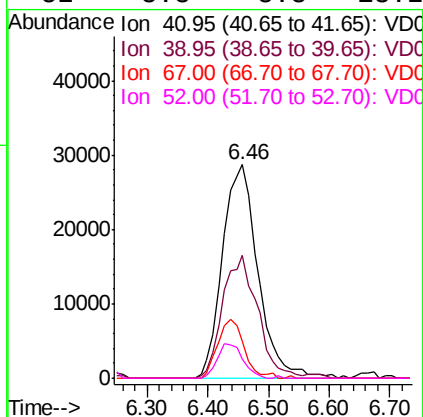
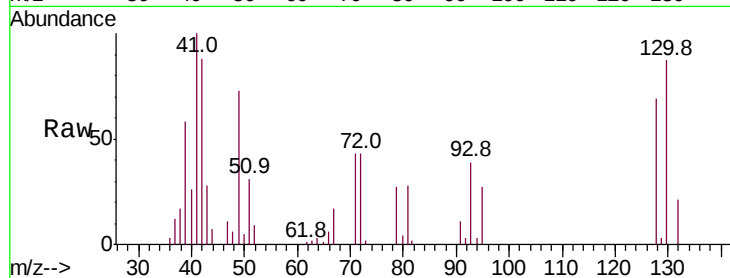
#41
Methacrylonitrile
Concen: 49.282 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.8	34.1	51.1#
67	17.4	23.8	35.6#
52	8.8	8.8	13.2#

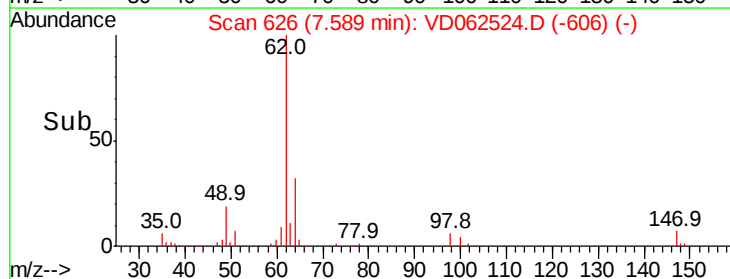
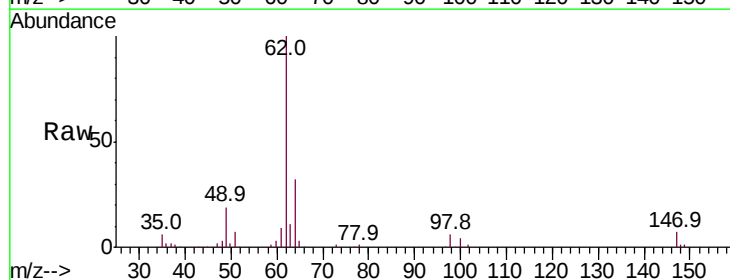
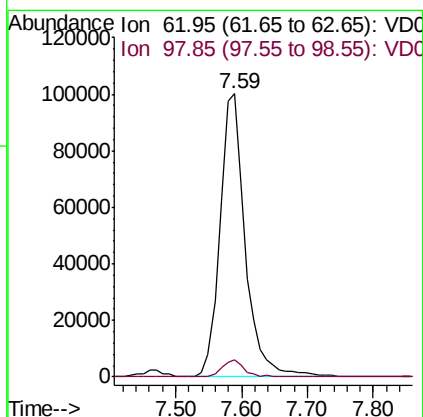
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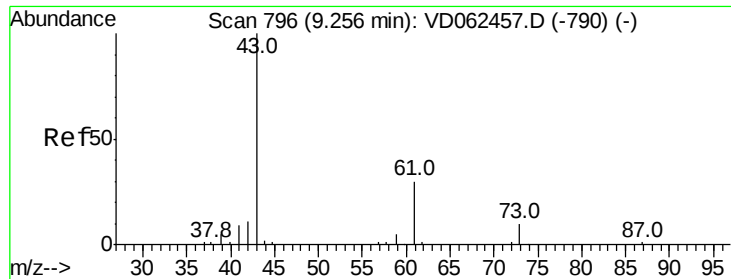
MMDadoda
5/24/2019 10:45:07 PM



#42
1,2-Dichloroethane
Concen: 52.869 ug/l
RT: 7.59 min Scan# 626
Delta R.T. -0.00 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.1	0.0	17.8





#43

Isopropyl Acetate

Concen: 51.566 ug/l

RT: 9.25 min Scan# 795

Delta R.T. -0.00 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

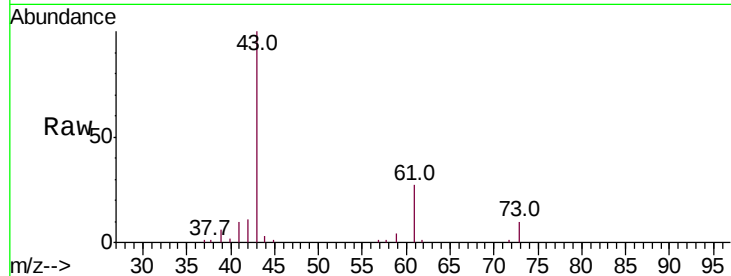
ClientSampleId :

VSTDCCC050EC

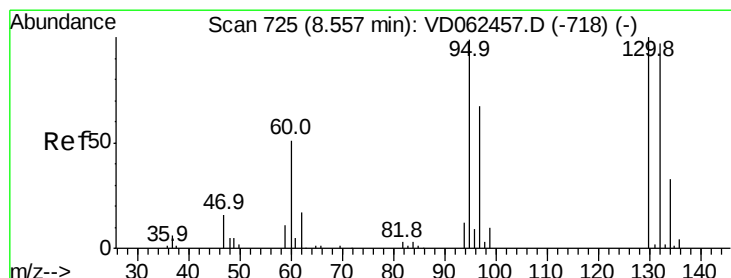
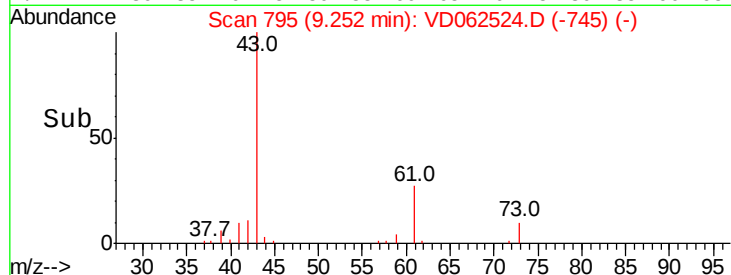
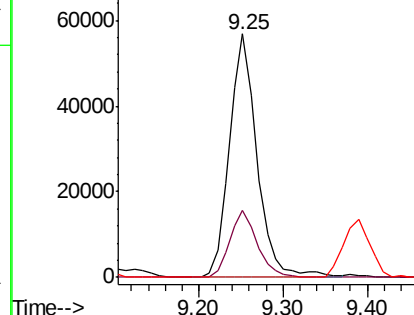
Tot Ion:	43	Resp:	129392
Ion	Ratio	Lower	Upper
43	100		
61	27.4	25.1	37.7
87	0.0	0.0	0.0

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



#44

Trichloroethene

Concen: 48.301 ug/l

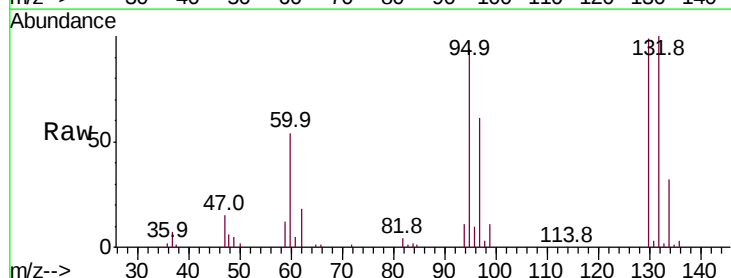
RT: 8.55 min Scan# 724

Delta R.T. -0.00 min

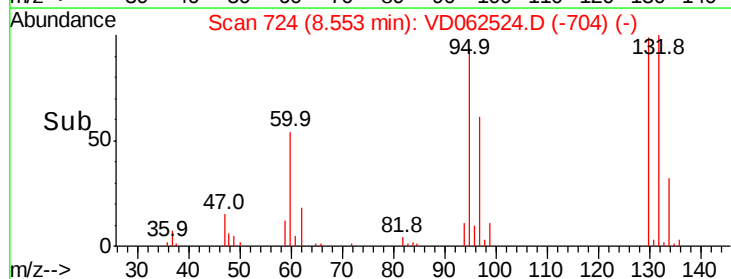
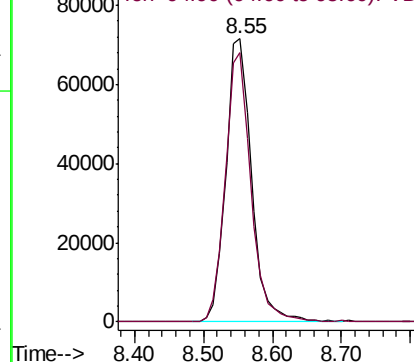
Lab File: VD062524.D

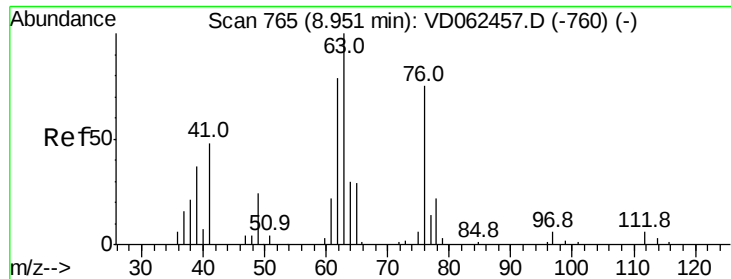
Acq: 23 May 2019 18:22

Tgt Ion:	130	Resp:	184696
Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	174.0



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





#45

1,2-Dichloropropane

Concen: 49.330 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 114810

Ion Ratio Lower Upper

63 100

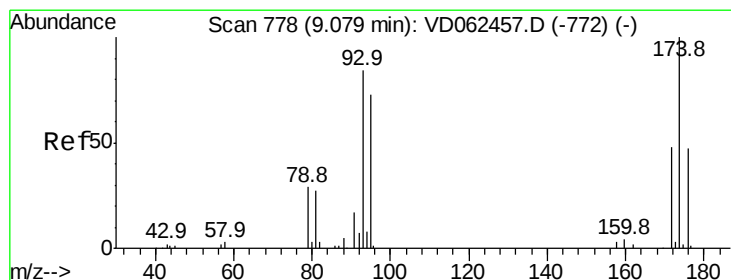
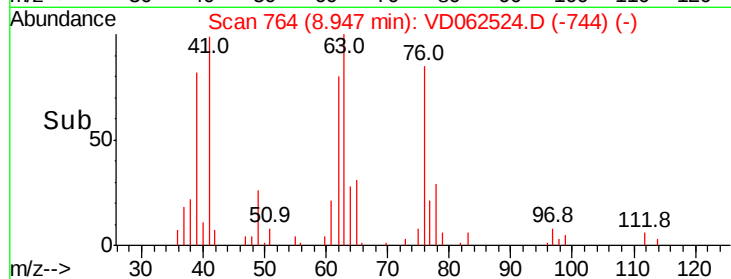
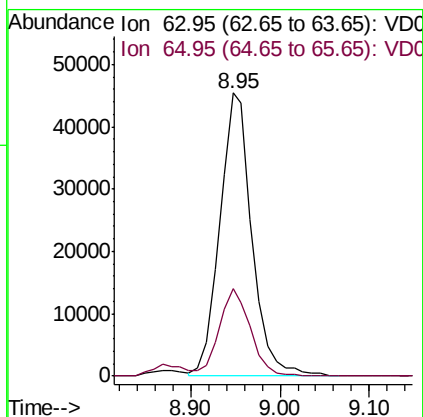
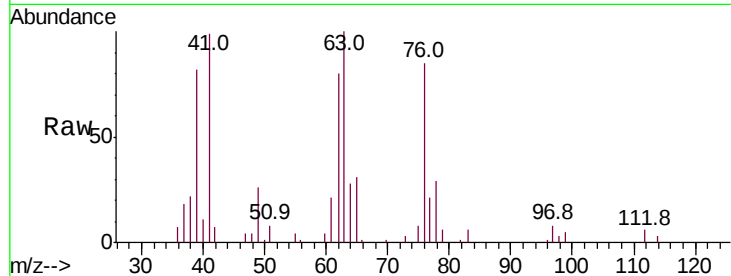
65 30.9 23.8 35.6

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#46

Dibromomethane

Concen: 50.896 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.00 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

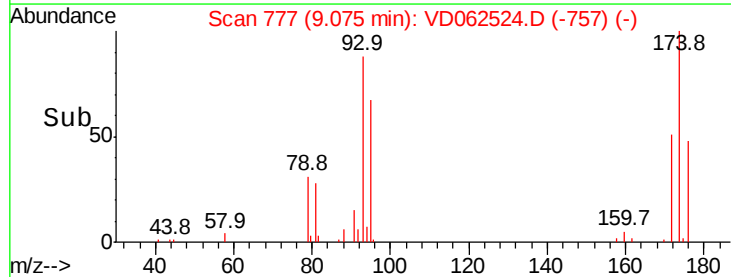
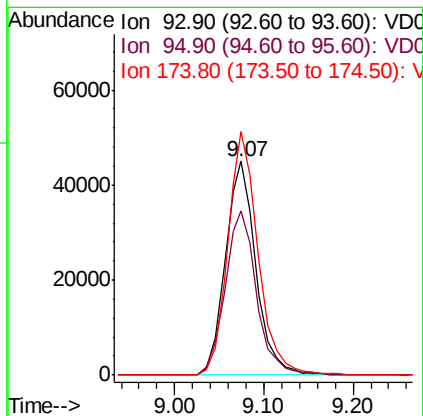
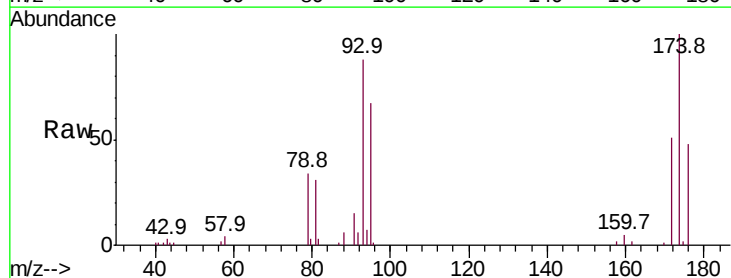
Tgt Ion: 93 Resp: 107376

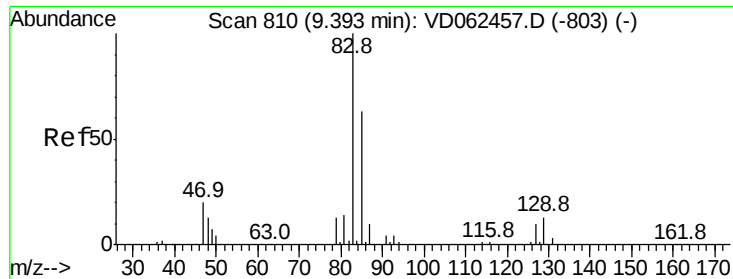
Ion Ratio Lower Upper

93 100

95 76.6 64.8 97.2

174 113.9 79.3 118.9





#47

Bromodichloromethane

Concen: 54.866 ug/l

RT: 9.39 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

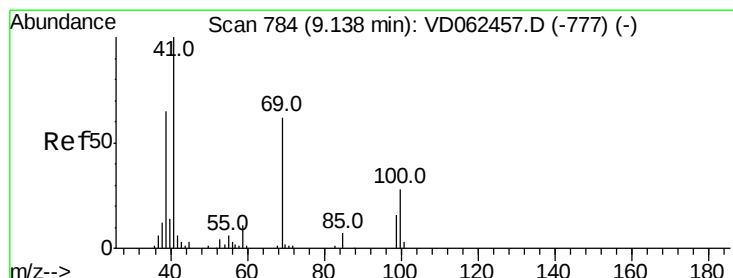
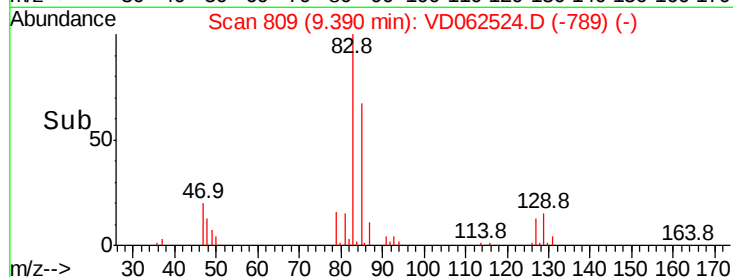
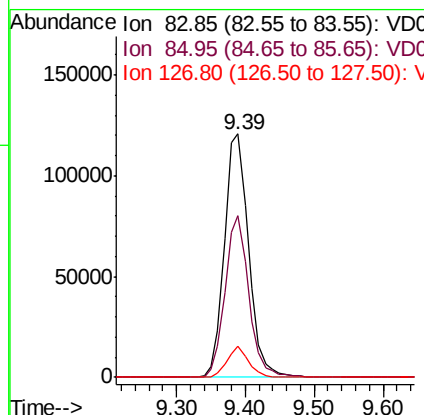
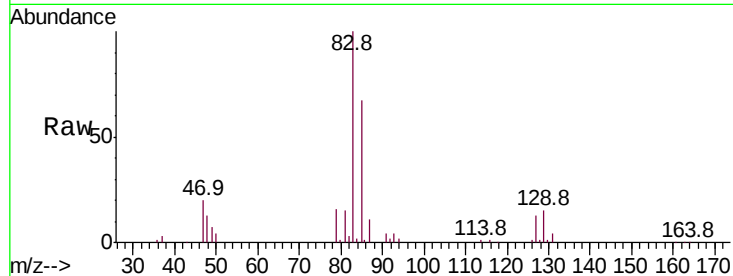
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	294460
Ion Ratio	Lower	Upper	
83	100		
85	66.6	50.9	76.3
127	12.6	8.1	12.1#

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.595 ug/l

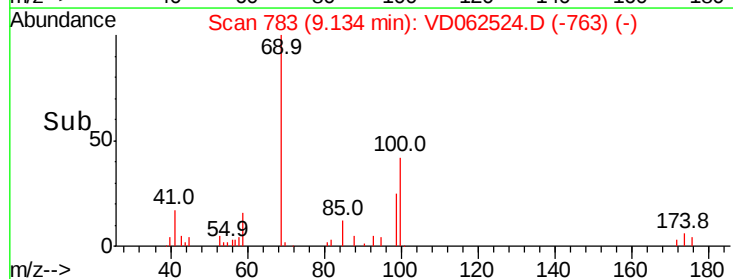
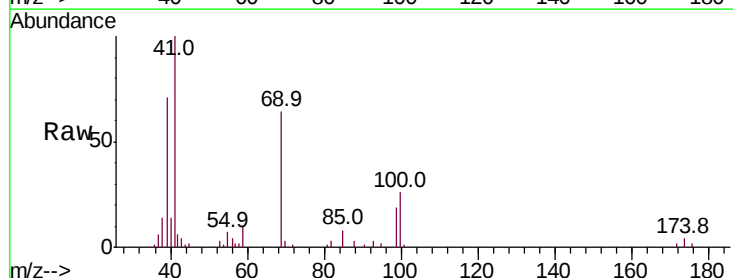
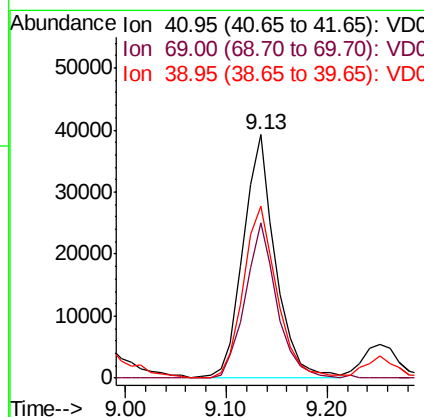
RT: 9.13 min Scan# 783

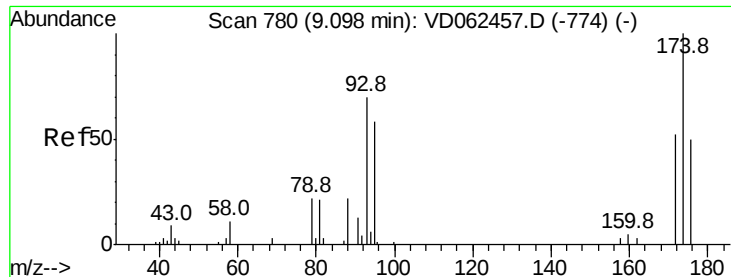
Delta R.T. -0.00 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Tgt Ion:	41	Resp:	87123
Ion Ratio	Lower	Upper	
41	100		
69	63.9	64.2	96.2#
39	70.6	46.8	70.2#





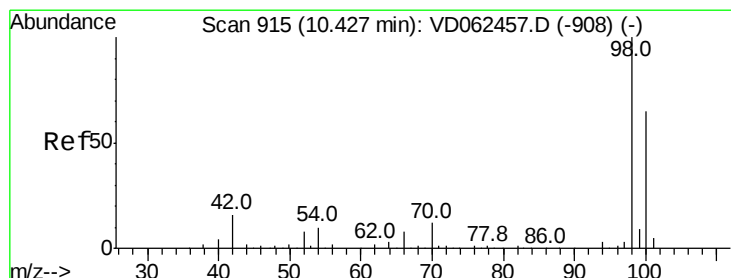
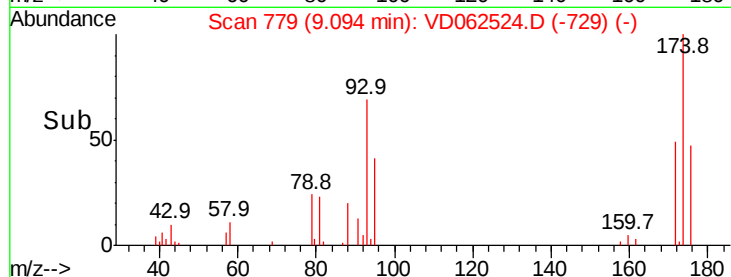
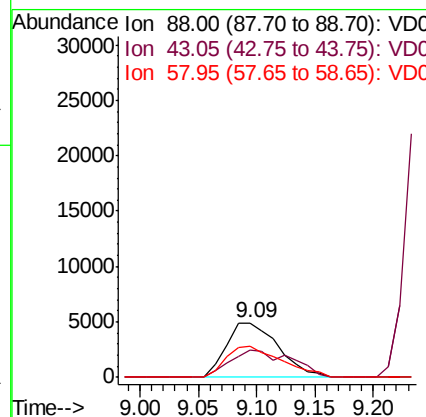
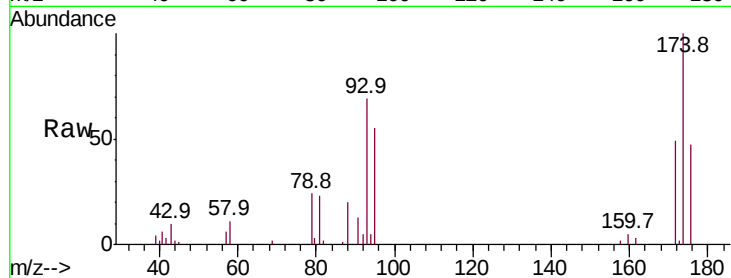
#49
 1,4-Dioxane
 Concen: 999.930 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	48.9	23.4	35.0#
58	55.9	44.0	66.0

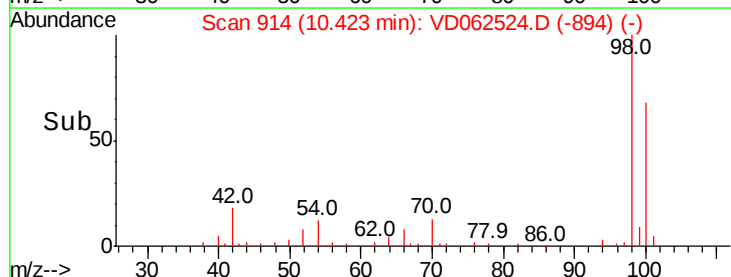
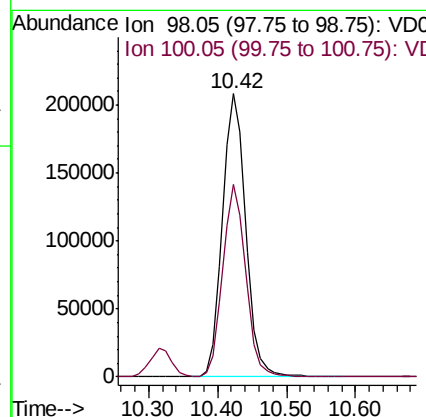
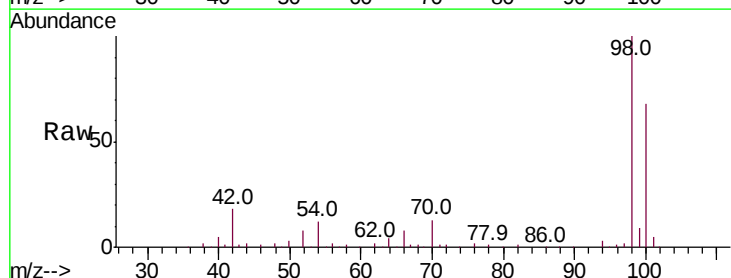
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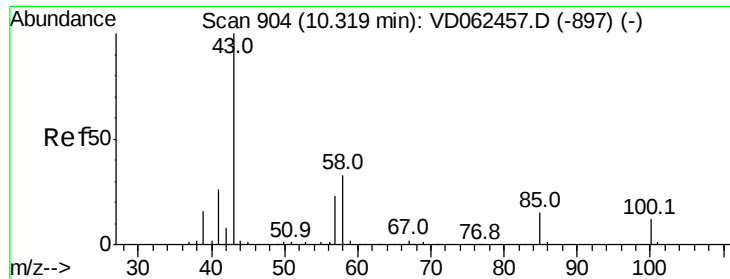
MMDadoda
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#50
 Toluene-d8
 Concen: 48.532 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.0	53.8	80.8





#51

4-Methyl-2-Pentanone

Concen: 250.041 ug/l

RT: 10.31 min Scan# 903

Delta R.T. -0.00 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 414481

Ion Ratio Lower Upper

43 100

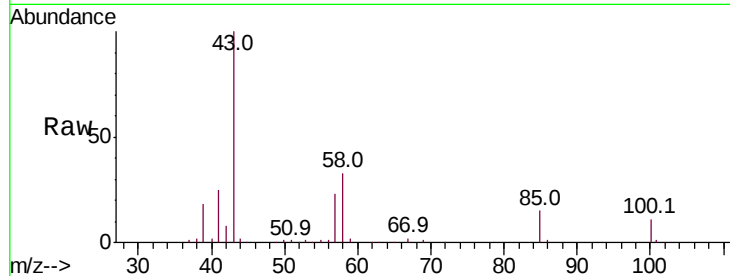
58 32.9 30.4 45.6

Manual Integrations

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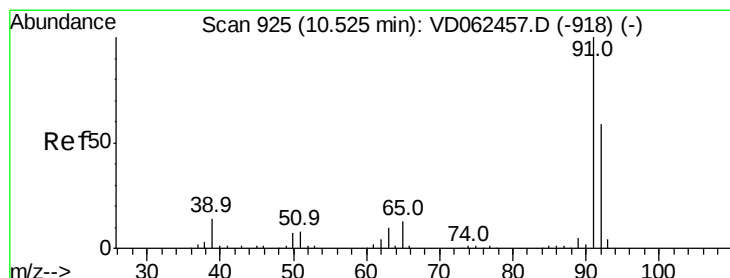
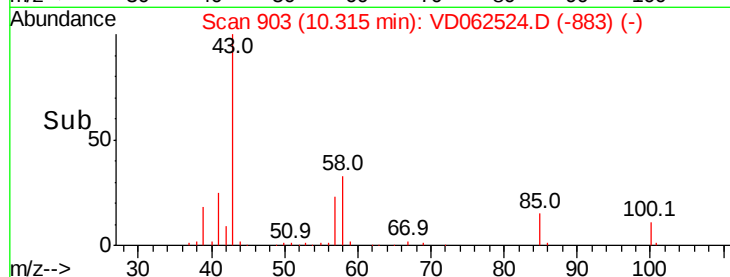
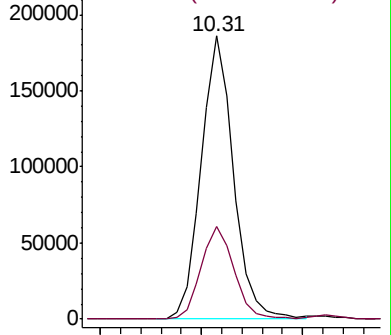
MMDadoda

5/24/2019 10:45:07 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 50.676 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD062524.D

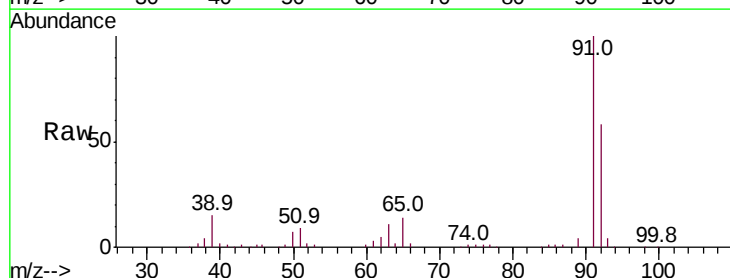
Acq: 23 May 2019 18:22

Tgt Ion: 92 Resp: 331318

Ion Ratio Lower Upper

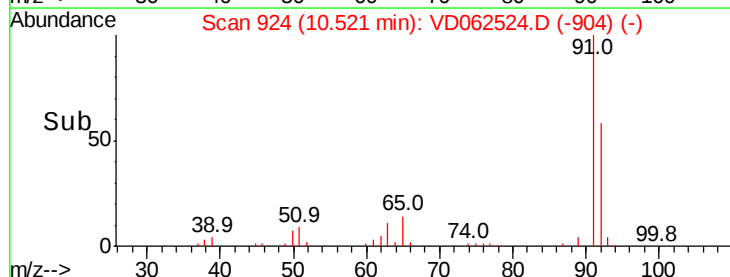
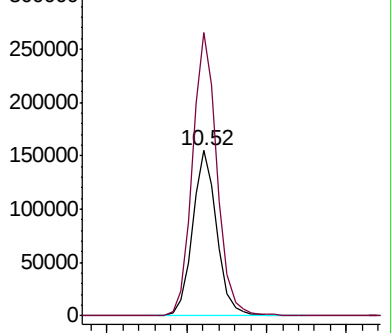
92 100

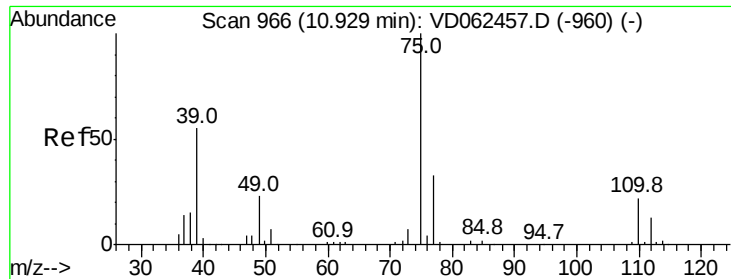
91 171.0 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





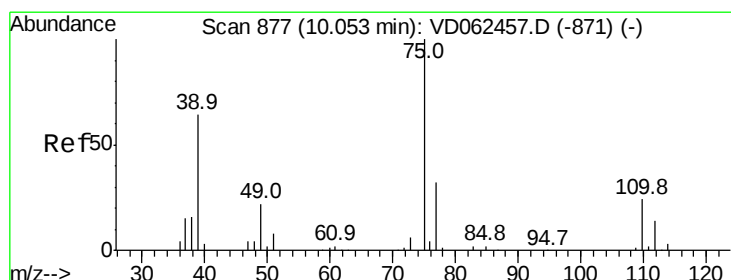
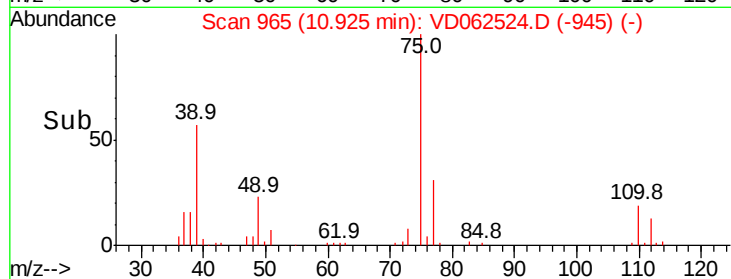
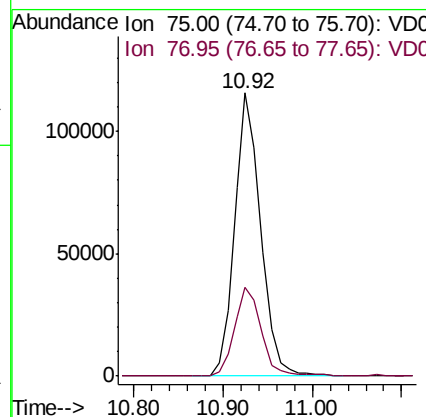
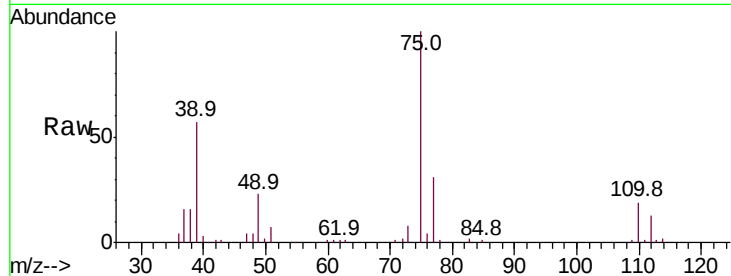
#53
t-1,3-Dichloropropene
Concen: 52.947 ug/l
RT: 10.92 min Scan# 965
Delta R.T. -0.00 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 236577
Ion Ratio Lower Upper
75 100
77 31.3 25.8 38.8

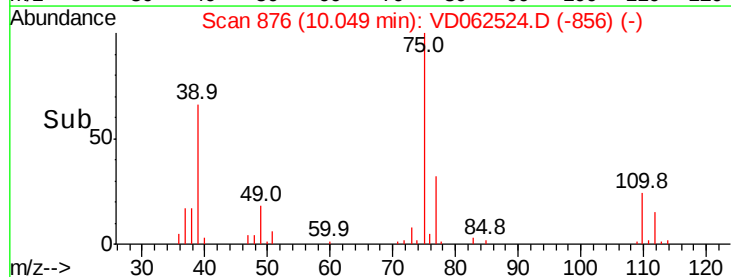
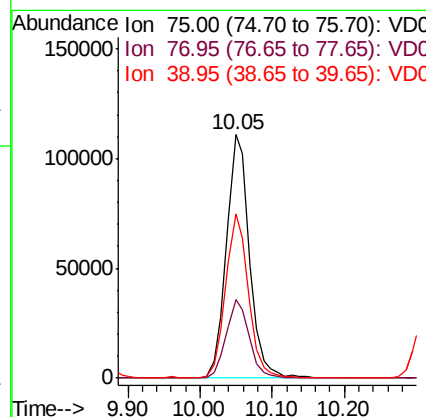
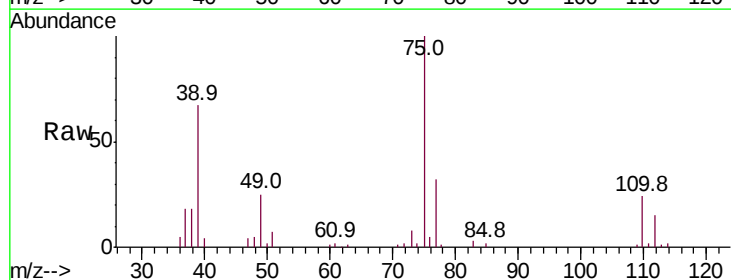
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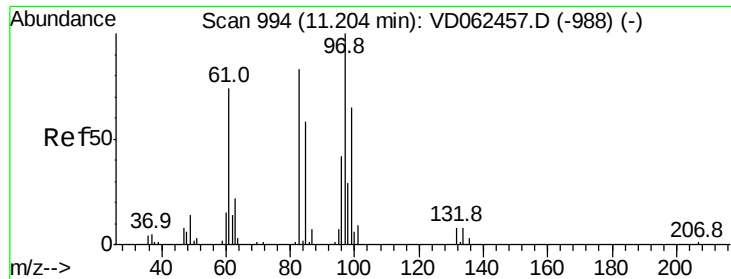
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#54
cis-1,3-Dichloropropene
Concen: 52.407 ug/l
RT: 10.05 min Scan# 876
Delta R.T. -0.00 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion: 75 Resp: 244340
Ion Ratio Lower Upper
75 100
77 32.0 25.5 38.3
39 67.3 39.4 59.2#





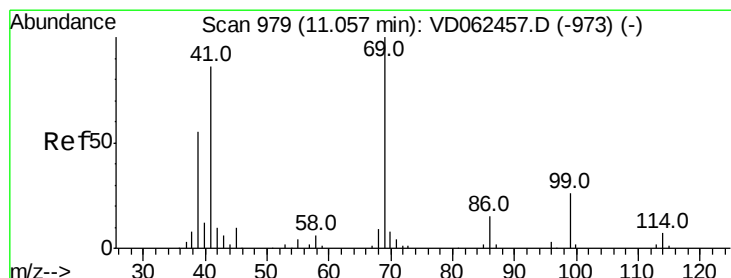
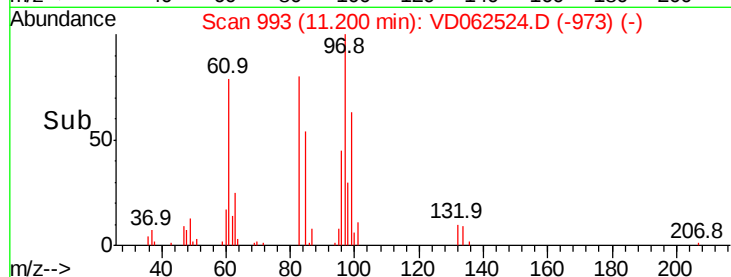
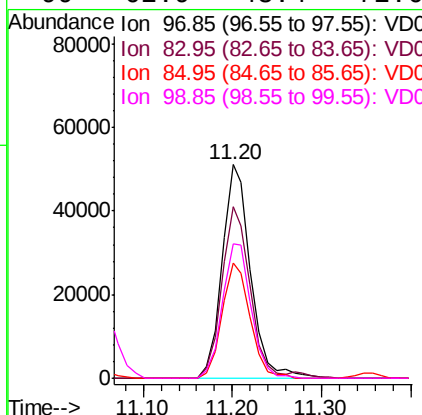
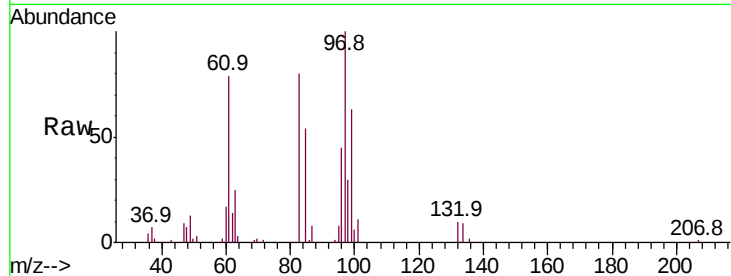
#55
1,1,2-Trichloroethane
Concen: 51.457 ug/l
RT: 11.20 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	80.4	65.7	98.5
85	54.2	45.6	68.4
99	62.9	48.4	72.6

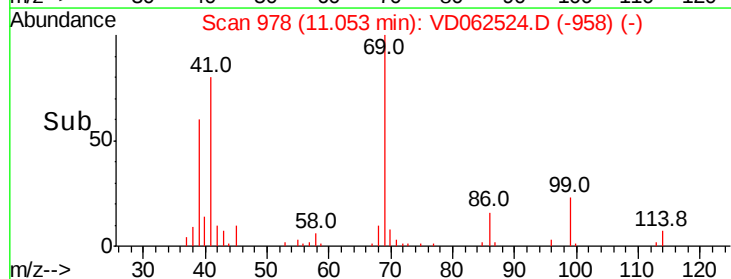
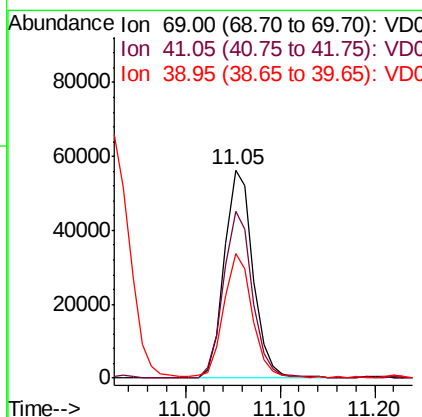
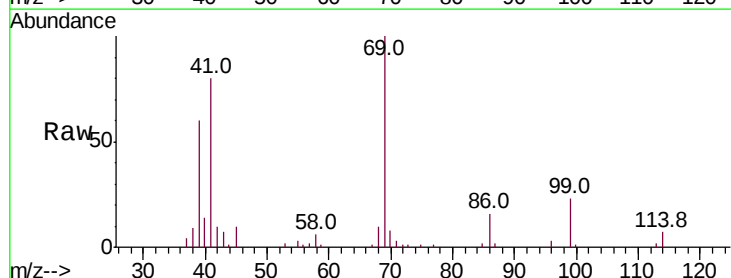
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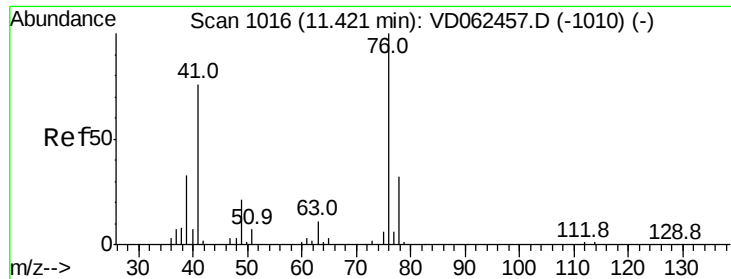
MMDadoda
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#56
Ethyl methacrylate
Concen: 49.947 ug/l
RT: 11.05 min Scan# 978
Delta R.T. -0.00 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion	Ratio	Lower	Upper
69	100		
41	80.0	56.3	84.5
39	59.9	29.4	44.2#





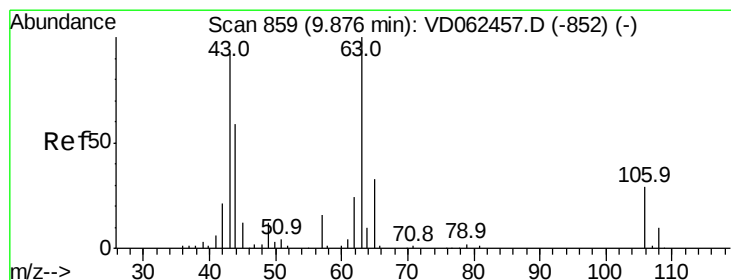
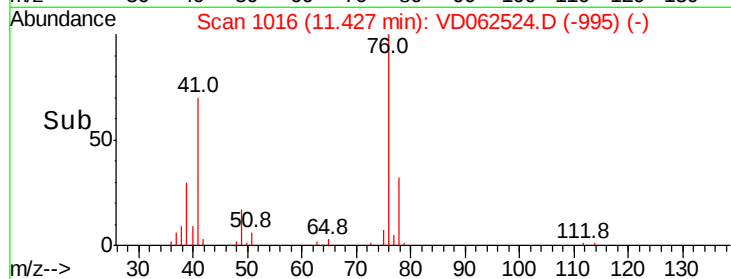
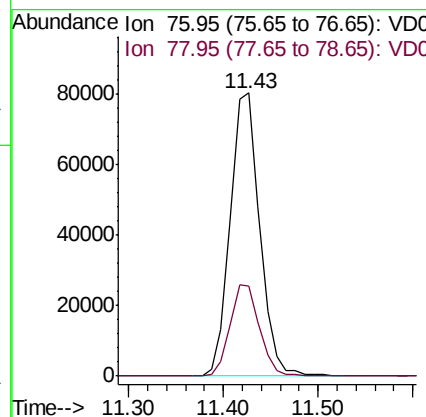
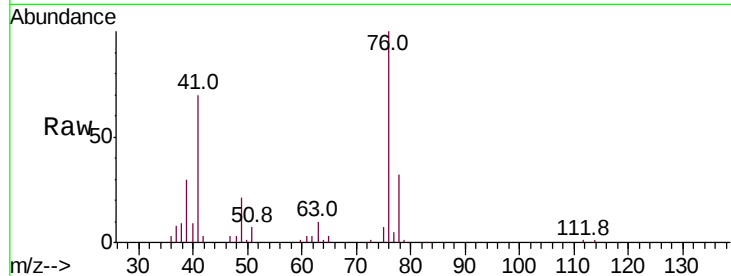
#57
 1,3-Dichloropropane
 Concen: 50.897 ug/l
 RT: 11.43 min Scan# 1016
 Delta R.T. 0.01 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 172960
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.2 39.2

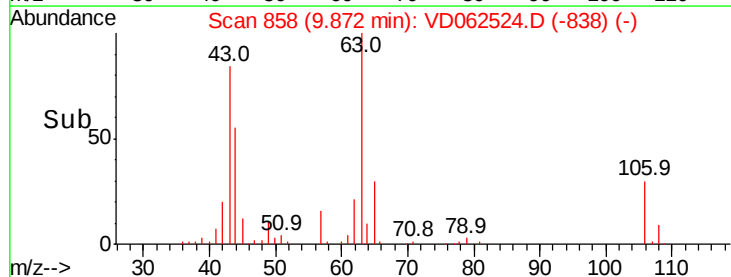
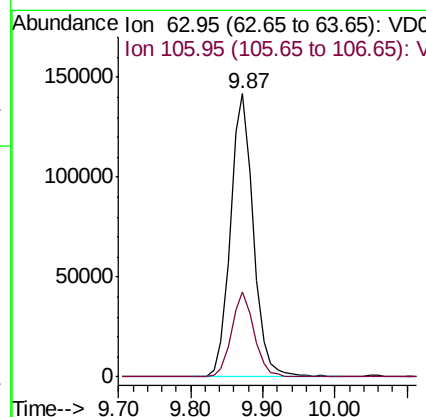
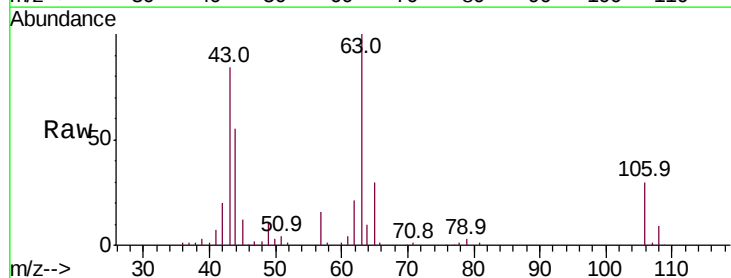
Manual Integrations
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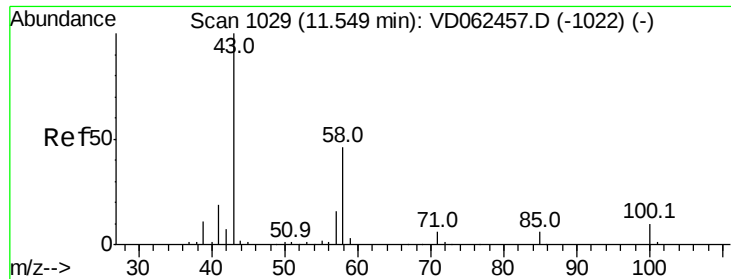
MMDadoda
 5/24/2019 10:45:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 255.639 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. -0.00 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Tgt Ion: 63 Resp: 310949
 Ion Ratio Lower Upper
 63 100
 106 30.2 22.6 34.0





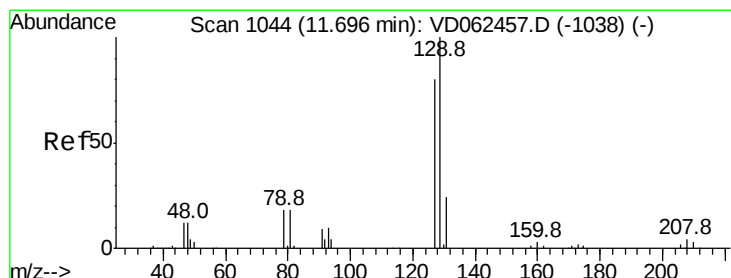
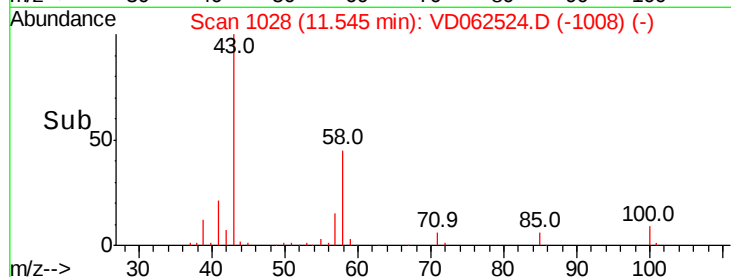
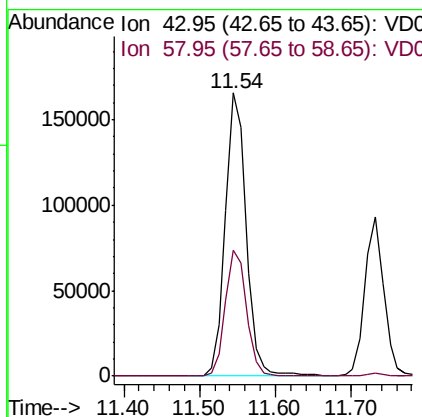
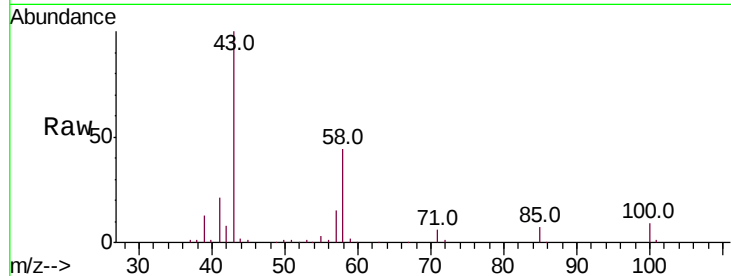
#59
2-Hexanone
Concen: 262.809 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 316619
Ion Ratio Lower Upper
43 100
58 44.3 25.4 76.4

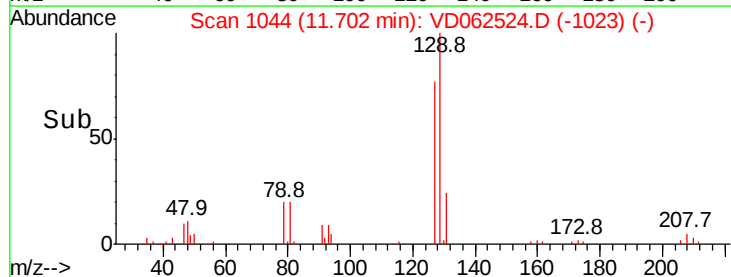
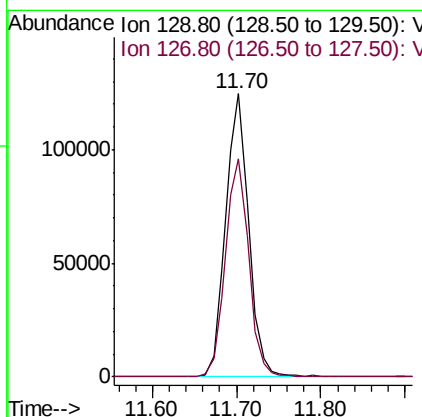
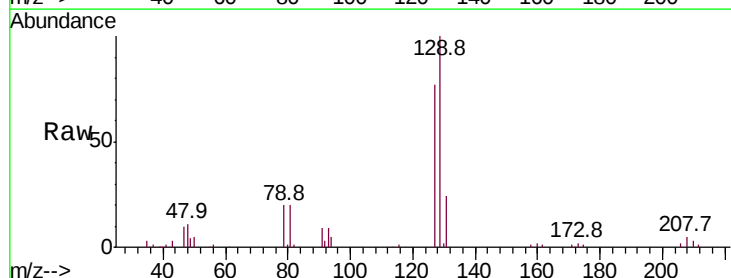
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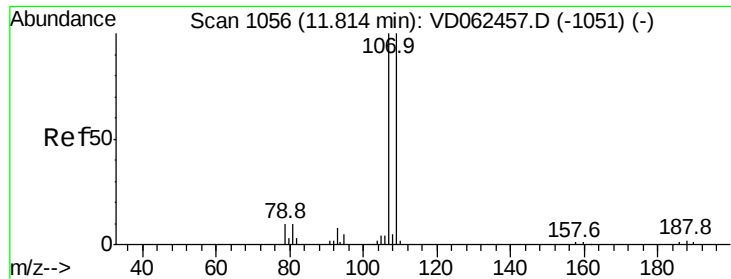
MMDadoda
5/24/2019 10:45:07 PM



#60
Dibromochloromethane
Concen: 55.673 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion:129 Resp: 236944
Ion Ratio Lower Upper
129 100
127 77.0 38.0 113.9





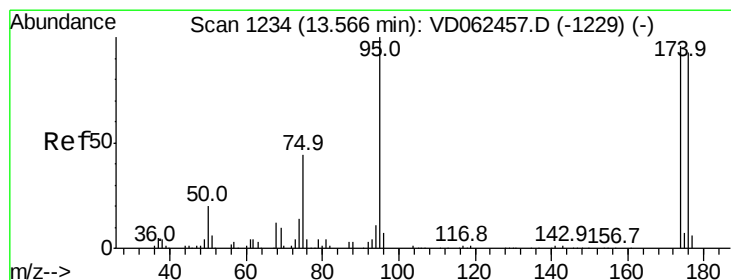
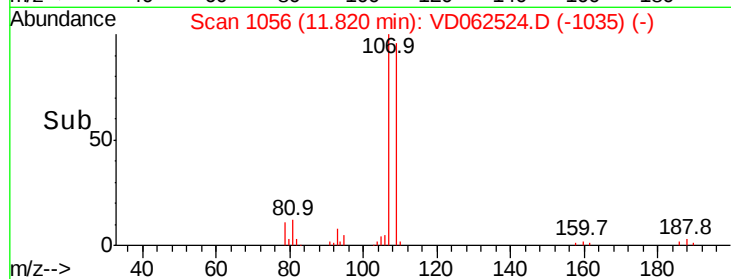
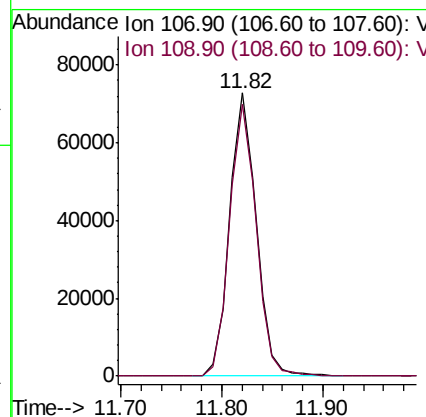
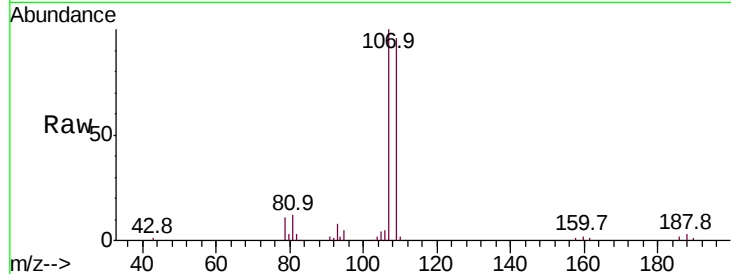
#61
 1,2-Dibromoethane
 Concen: 48.852 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	133402		
109	96.3	78.3	117.5	

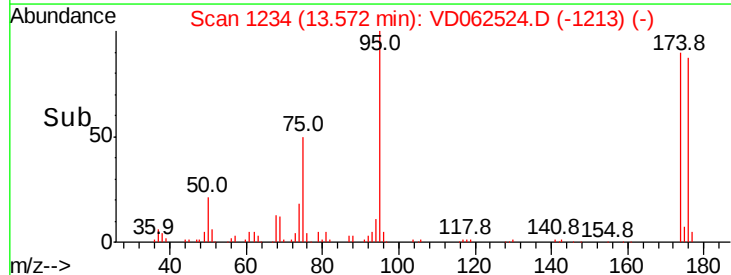
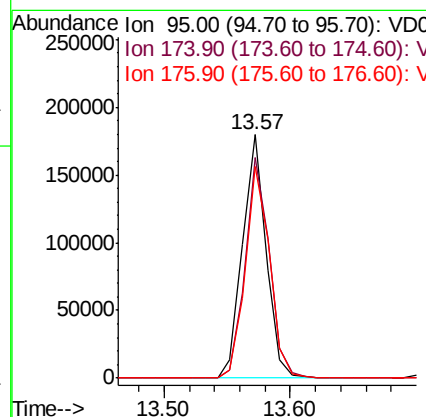
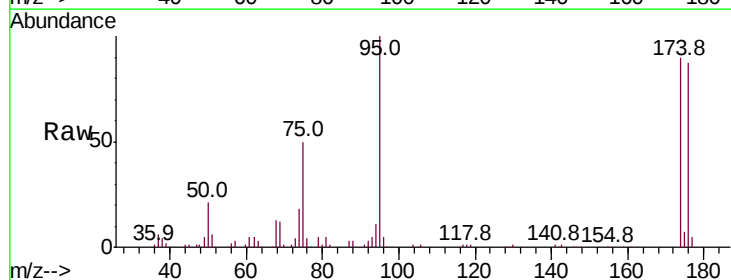
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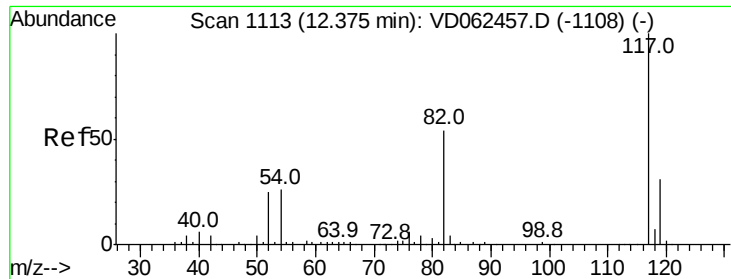
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#62
 4-Bromofluorobenzene
 Concen: 52.184 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.01 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	229499		
174	90.5	0.0	181.8	
176	87.2	0.0	174.4	





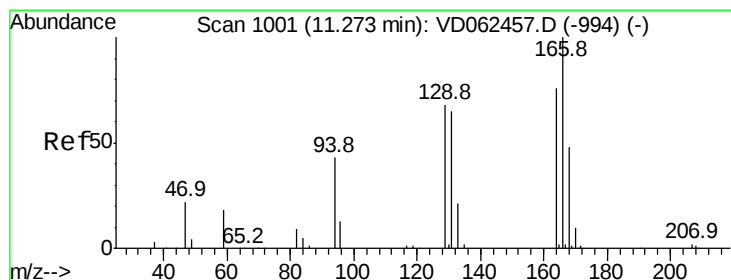
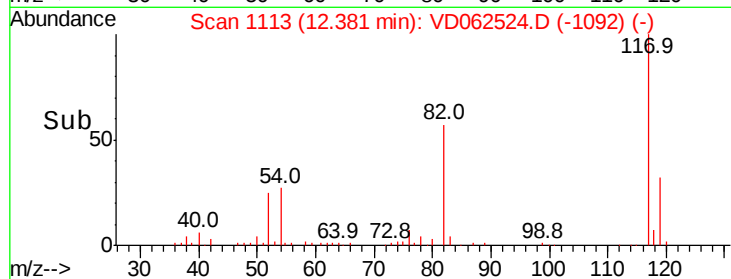
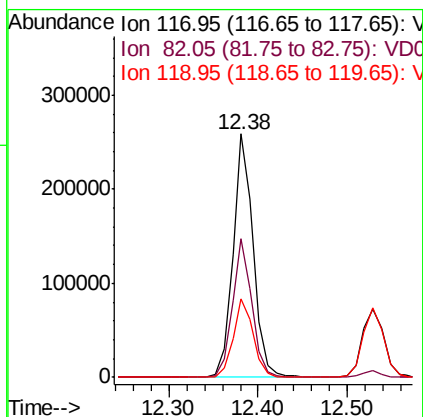
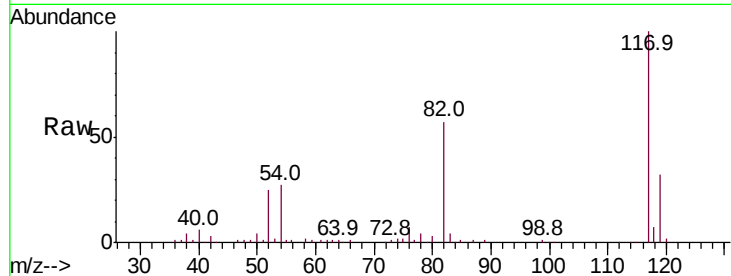
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	410183		
82	56.8	36.2	54.2#	
119	32.4	26.2	39.4	

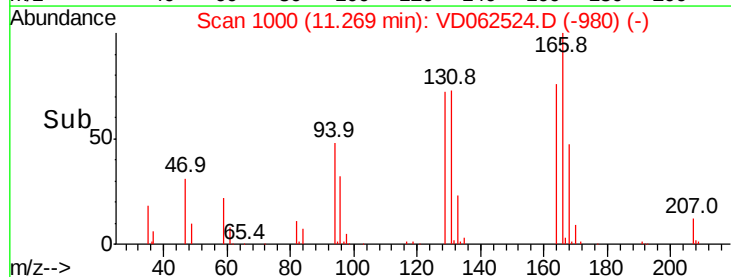
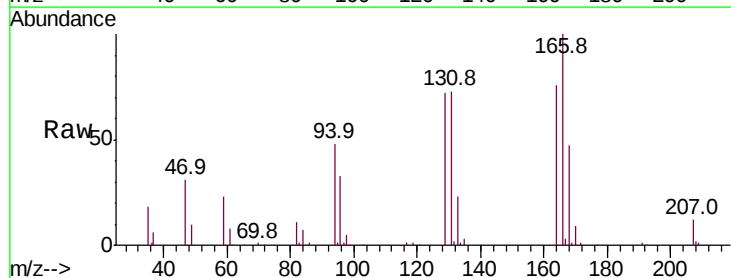
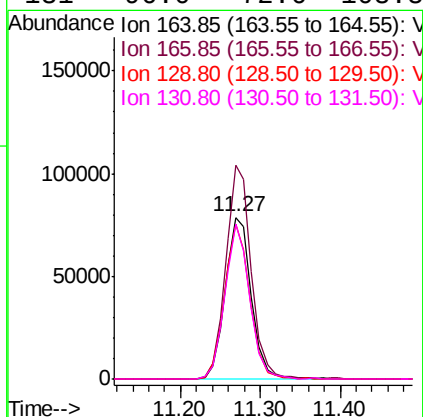
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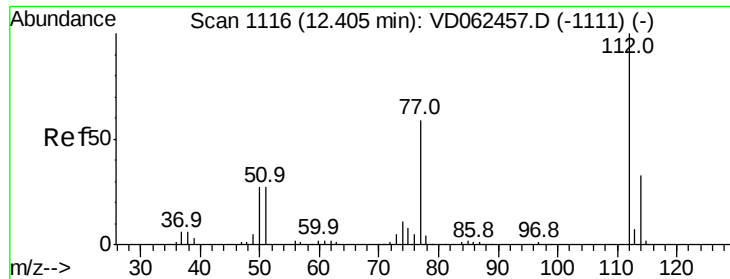
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#64
Tetrachloroethene
Concen: 52.525 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	180397		
166	132.2	101.5	152.3	
129	95.6	74.6	112.0	
131	96.0	72.6	108.8	





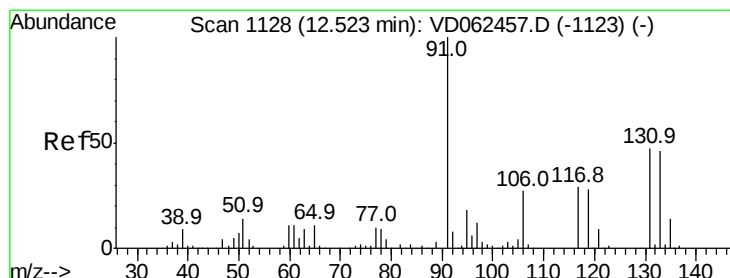
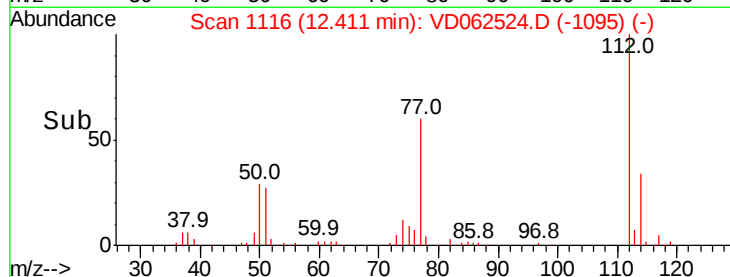
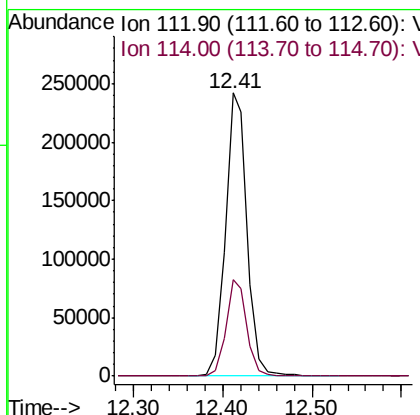
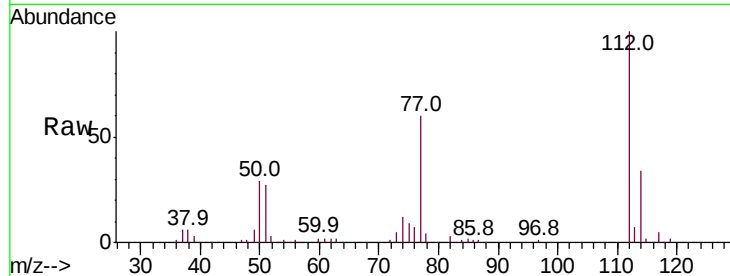
#65
Chlorobenzene
Concen: 51.990 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion:112 Resp: 410095
Ion Ratio Lower Upper
112 100
114 34.3 25.8 38.8

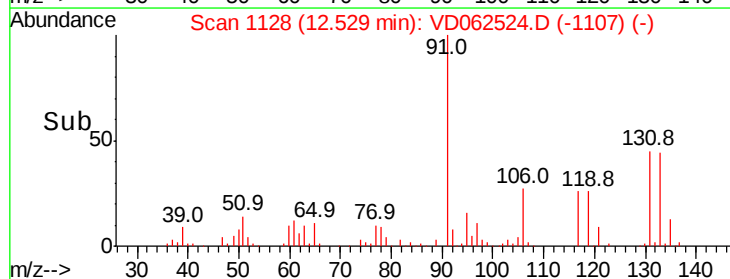
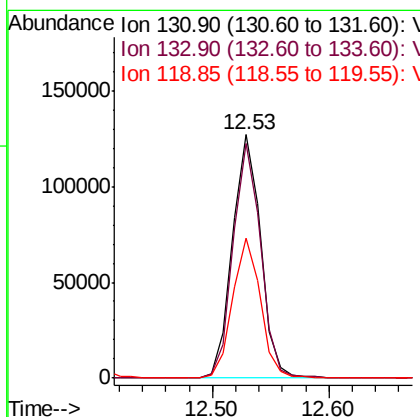
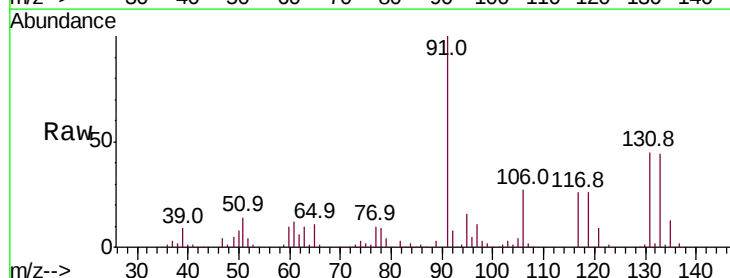
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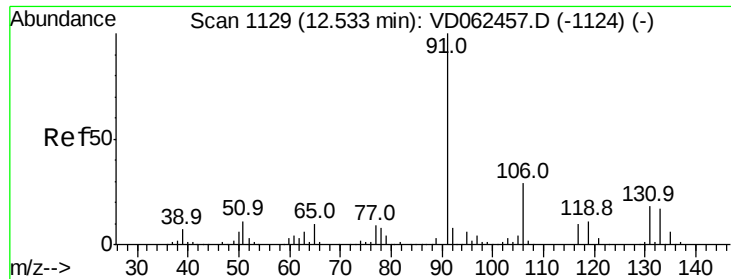
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#66
1,1,1,2-Tetrachloroethane
Concen: 58.499 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion:131 Resp: 213003
Ion Ratio Lower Upper
131 100
133 96.4 48.6 145.8
119 57.7 34.7 104.1





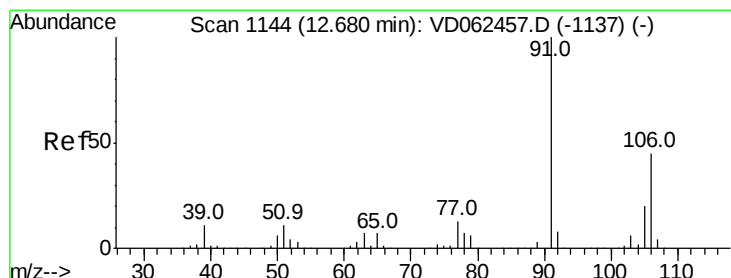
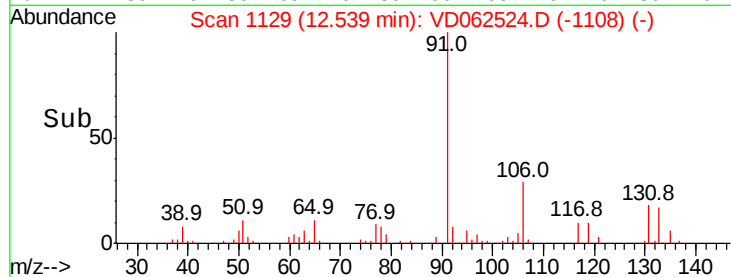
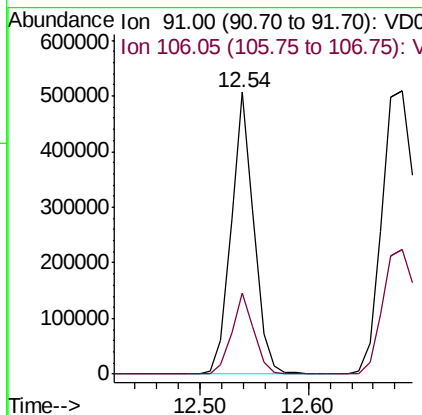
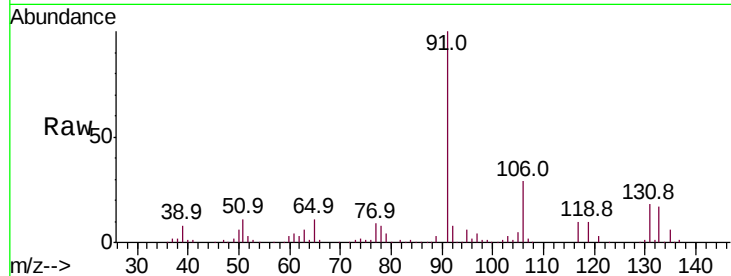
#67
Ethyl Benzene
Concen: 54.254 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 737122
Ion Ratio Lower Upper
91 100
106 28.6 24.7 37.1

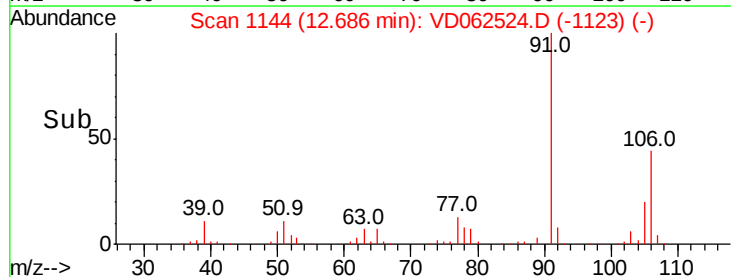
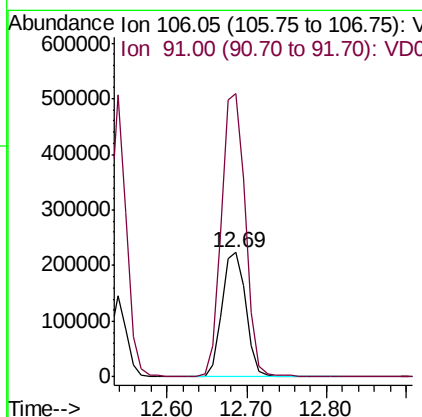
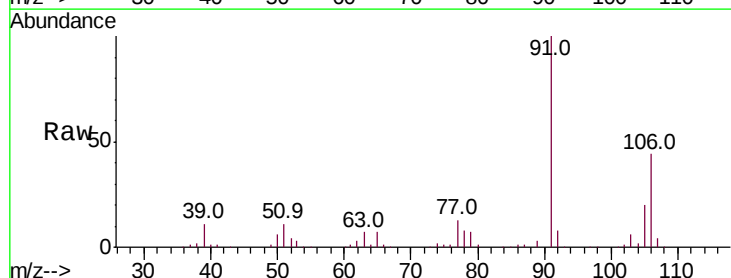
Manual Integrations
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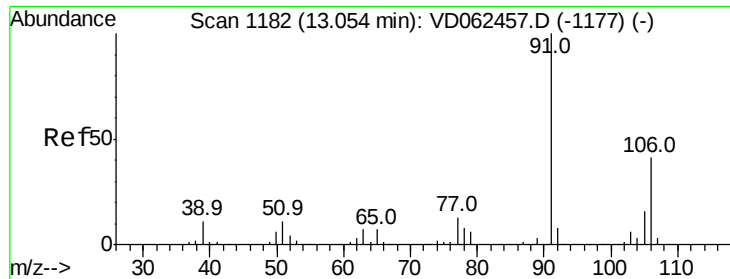
MMDadoda
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#68
m/p-Xylenes
Concen: 97.582 ug/l
RT: 12.69 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion: 106 Resp: 475912
Ion Ratio Lower Upper
106 100
91 227.6 164.0 246.0





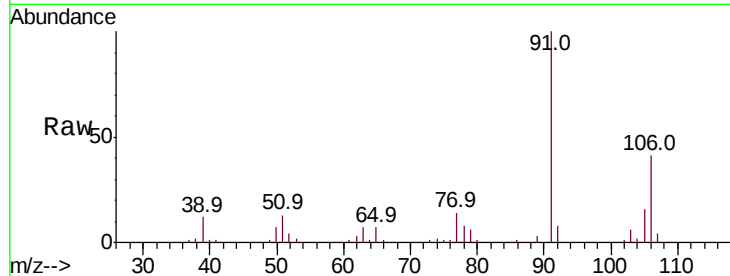
#69
o-Xylene
Concen: 52.990 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

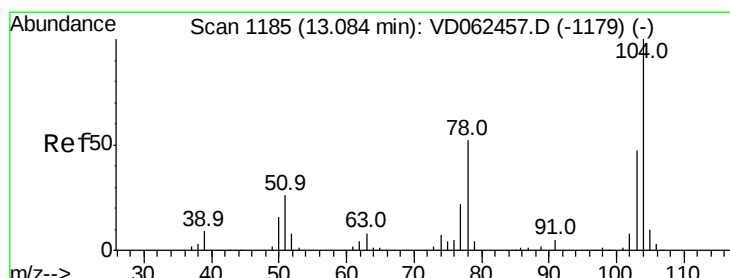
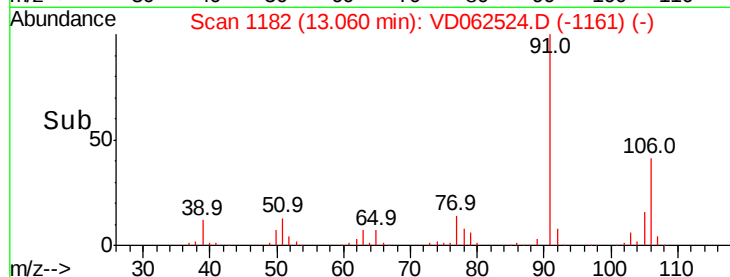
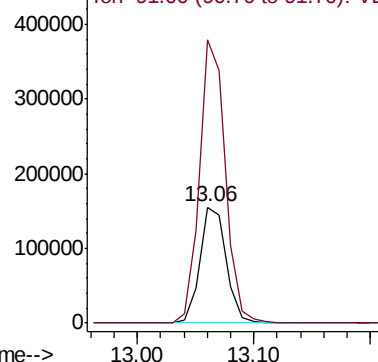
Tot Ion:106 Resp: 243841
Ion Ratio Lower Upper
106 100
91 243.6 106.7 319.9

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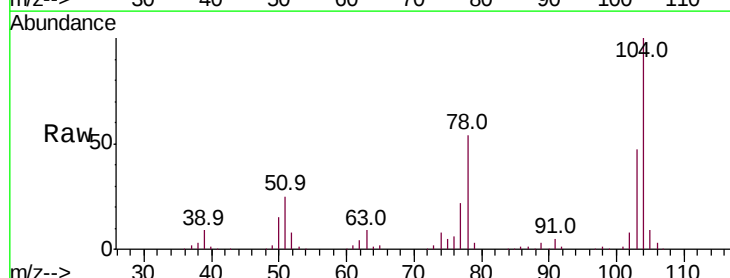


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

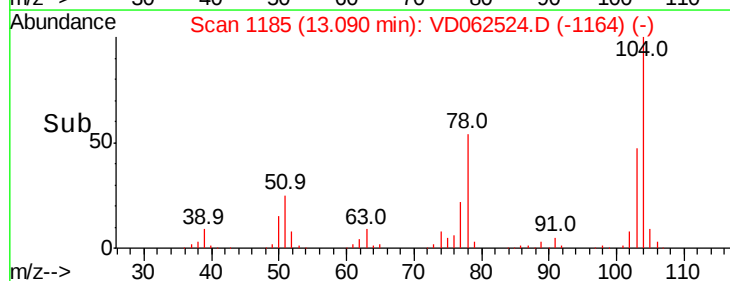
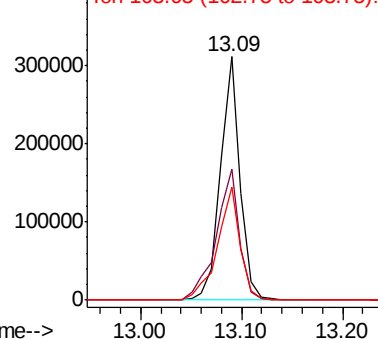


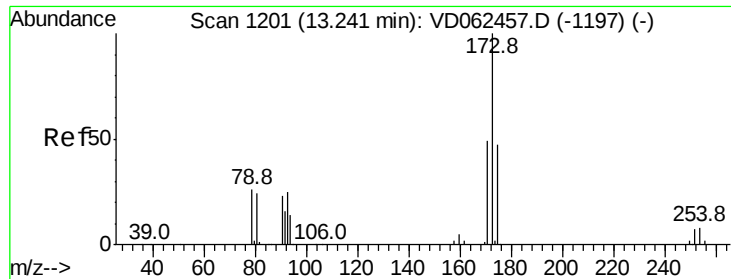
#70
Styrene
Concen: 54.137 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion:104 Resp: 423794
Ion Ratio Lower Upper
104 100
78 53.6 35.4 53.2#
103 46.6 37.5 56.3



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





#71

Bromoform

Concen: 60.901 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

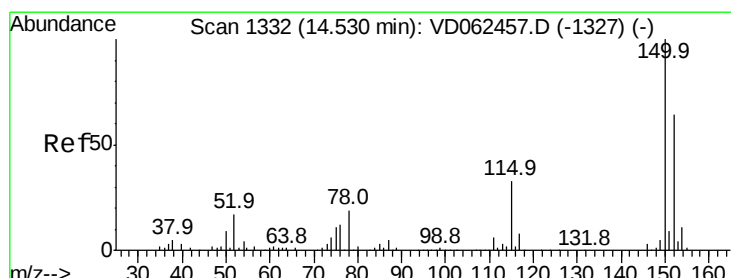
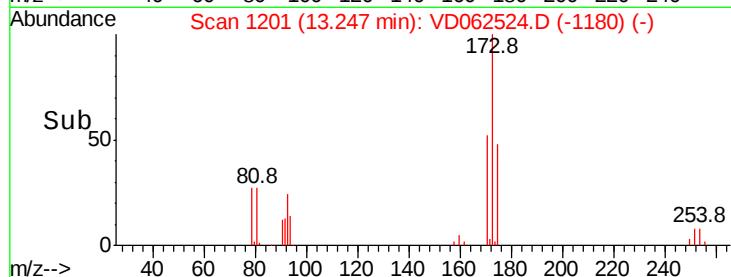
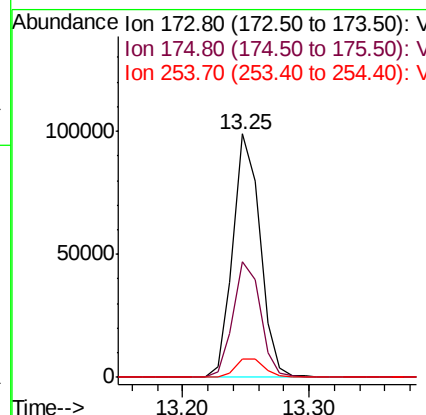
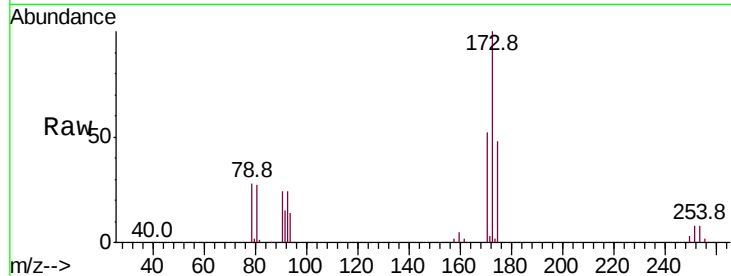
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	147265
Ion Ratio	Lower	Upper	
173	100		
175	47.5	24.4	73.4
254	7.5	5.4	8.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

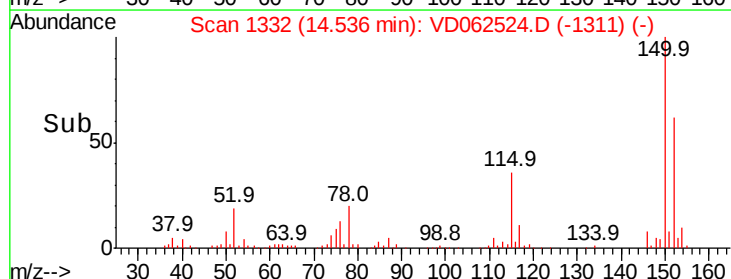
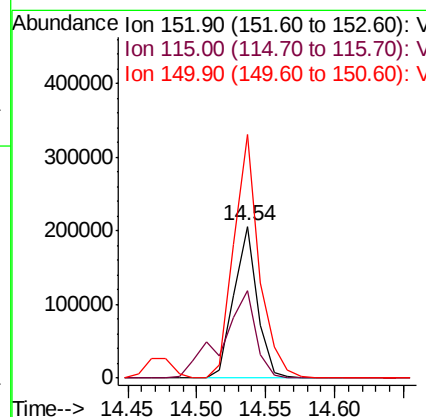
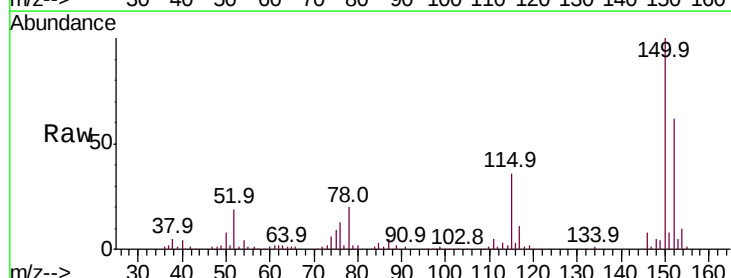
RT: 14.54 min Scan# 1332

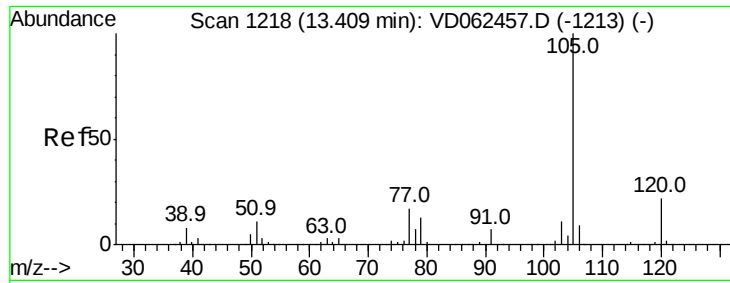
Delta R.T. 0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Tgt Ion:	152	Resp:	243658
Ion Ratio	Lower	Upper	
152	100		
115	57.5	30.9	92.7
150	160.8	0.0	314.8





#73

Isopropylbenzene

Concen: 47.710 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 732766

Ion Ratio Lower Upper

105 100

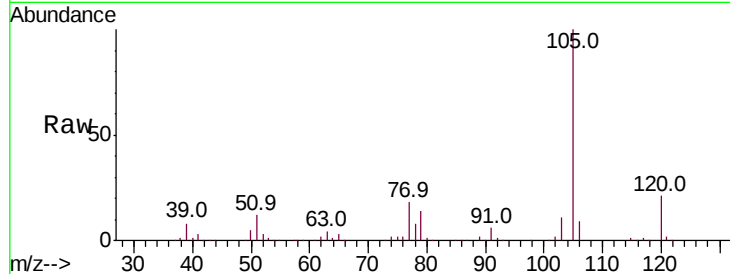
120 21.3 12.0 36.1

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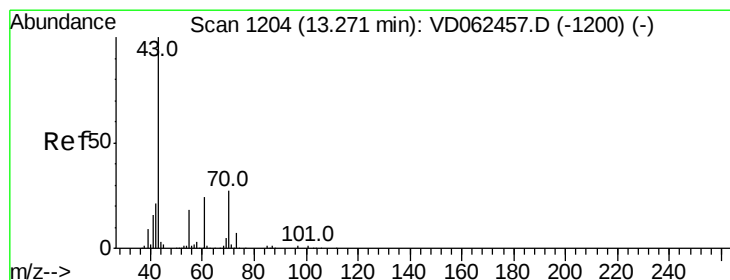
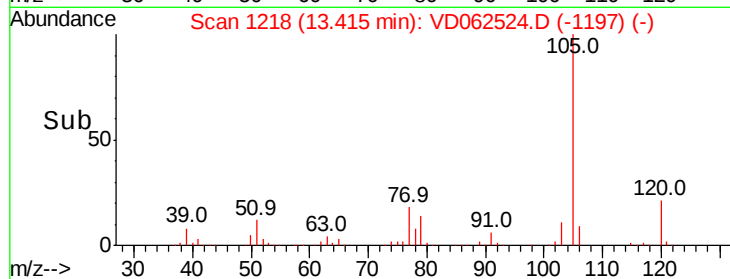
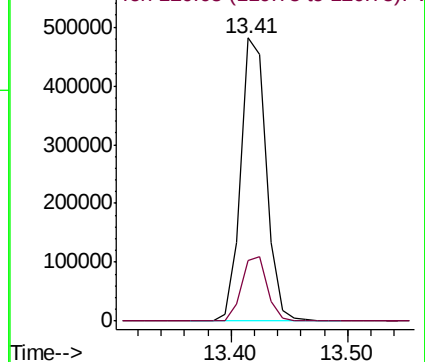
MMDadoda

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 47.534 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Tgt Ion: 43 Resp: 180314

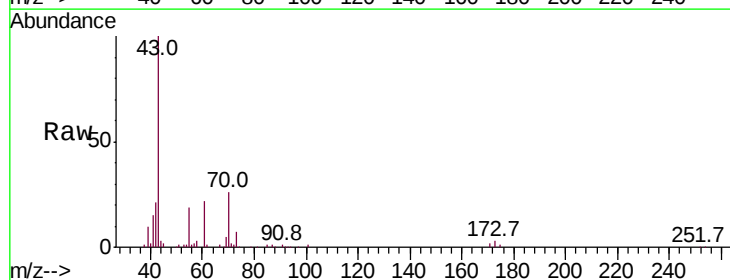
Ion Ratio Lower Upper

43 100

70 26.0 24.2 36.4

55 18.7 16.0 24.0

61 22.3 21.6 32.4

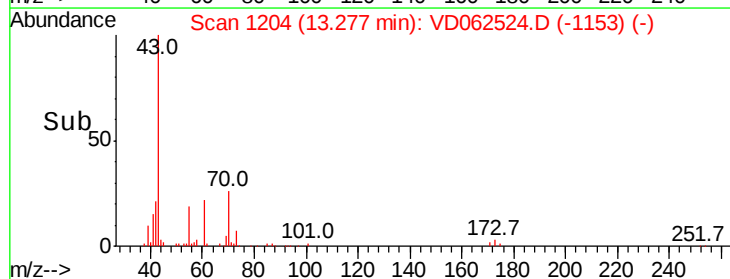
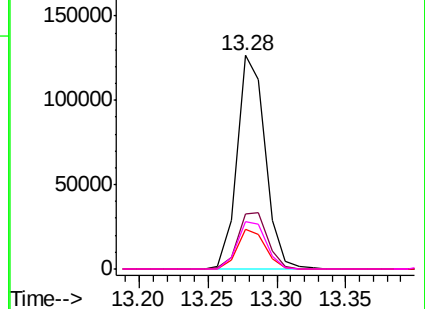


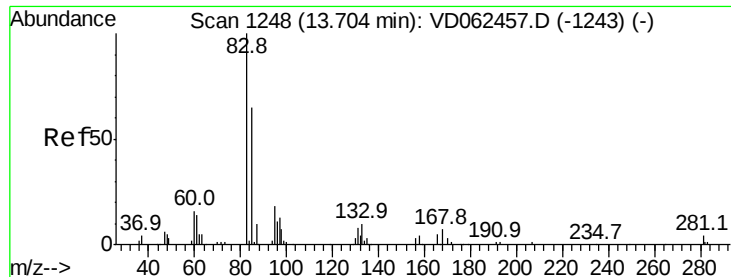
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 44.915 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.02 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

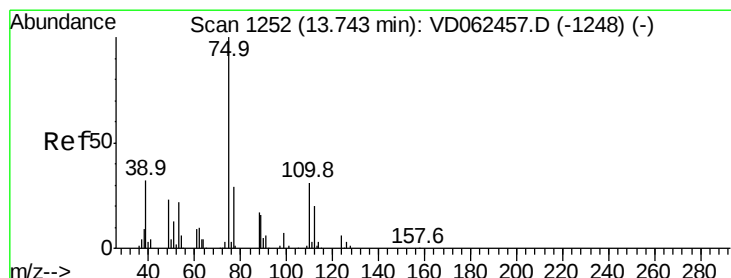
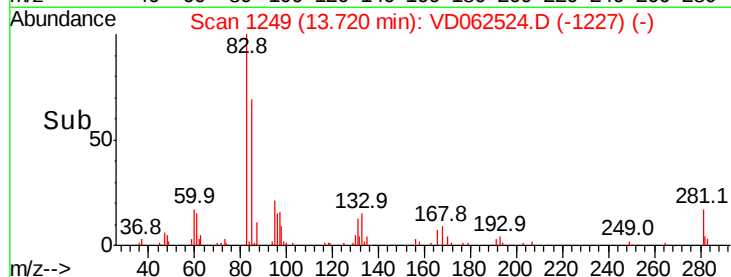
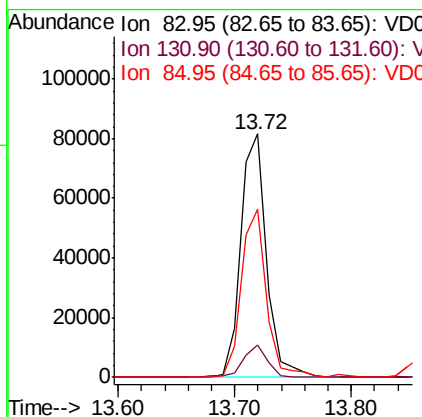
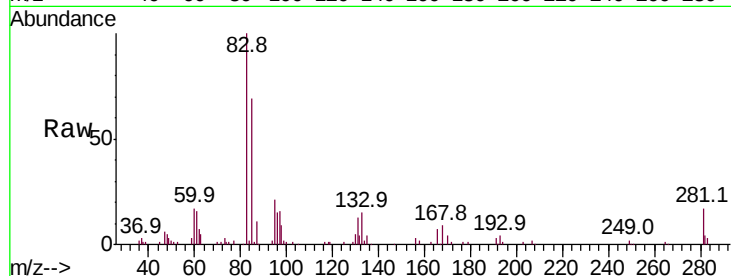
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	124452
Ion Ratio	Lower	Upper	
83	100		
131	13.3	5.0	14.9
85	69.2	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 50.885 ug/l

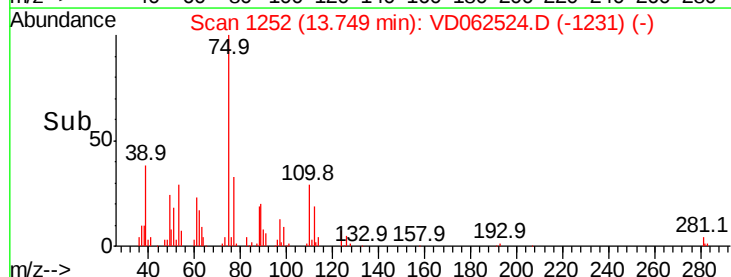
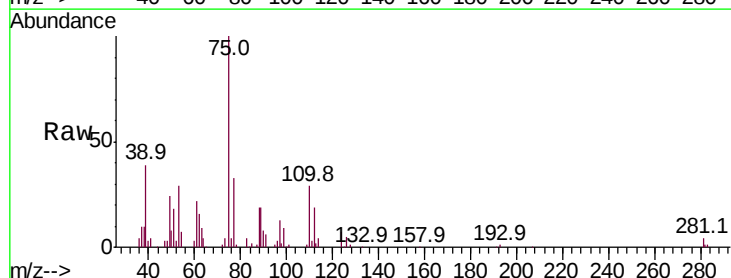
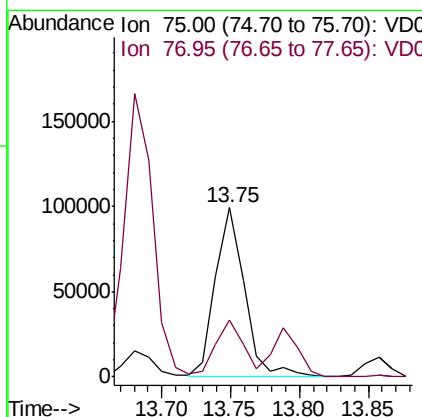
RT: 13.75 min Scan# 1252

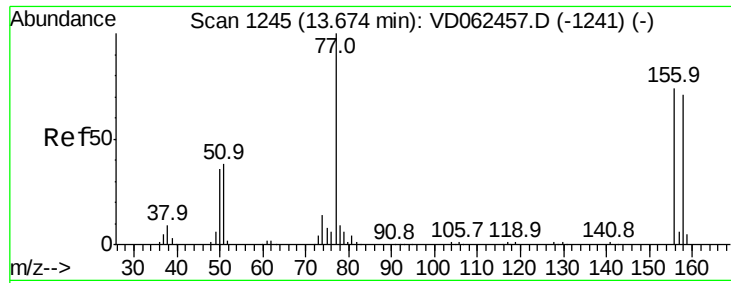
Delta R.T. 0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Tgt Ion:	75	Resp:	146041
Ion Ratio	Lower	Upper	
75	100		
77	33.4	16.4	49.4





#77

Bromobenzene

Concen: 47.756 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.02 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

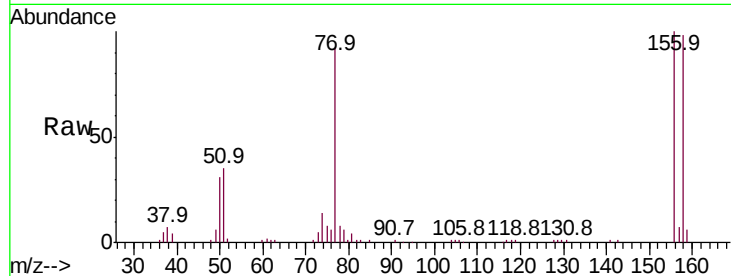
ClientSampleId :

VSTDCCC050EC

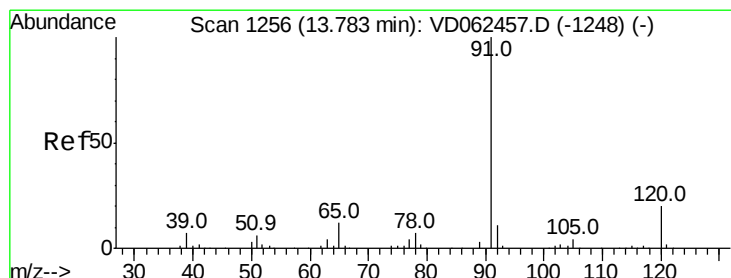
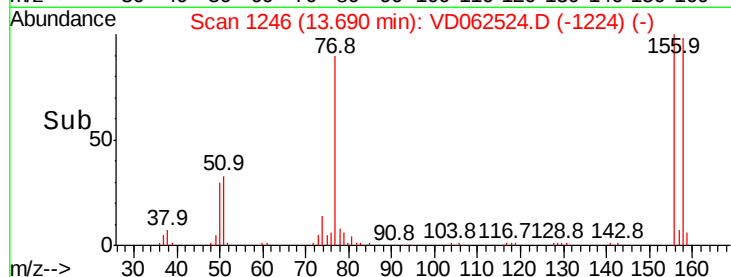
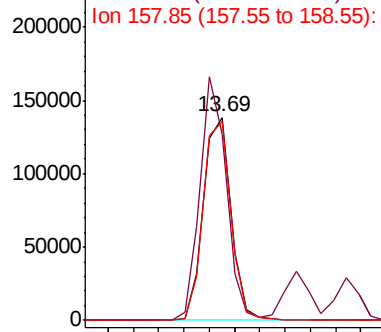
Tot Ion:	156	Resp:	208069
Ion Ratio	Lower	Upper	
156	100		
77	91.7	53.1	159.4
158	98.2	49.4	148.0

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



#78

n-propylbenzene

Concen: 45.914 ug/l

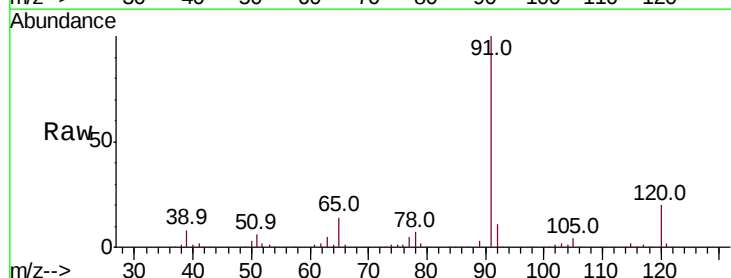
RT: 13.79 min Scan# 1256

Delta R.T. 0.01 min

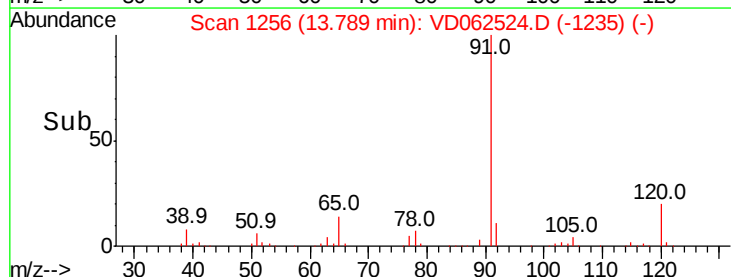
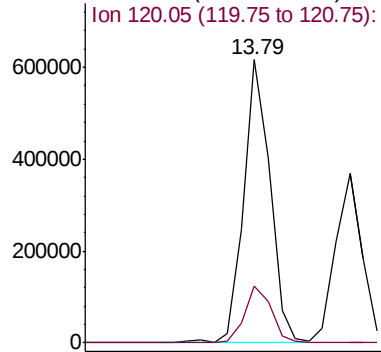
Lab File: VD062524.D

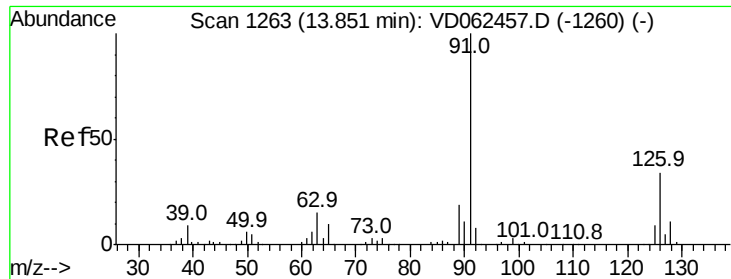
Acq: 23 May 2019 18:22

Tgt Ion:	91	Resp:	816837
Ion Ratio	Lower	Upper	
91	100		
120	19.9	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): V





#79

2-Chlorotoluene

Concen: 46.020 ug/l

RT: 13.86 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 496853

Ion Ratio Lower Upper

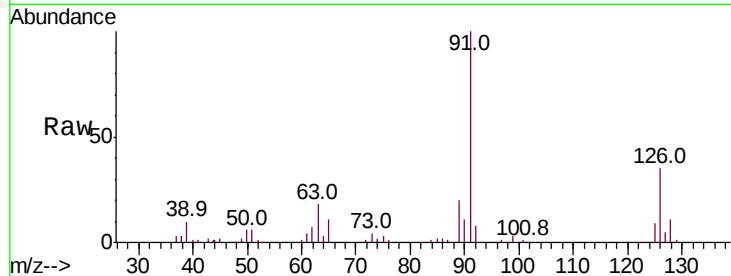
91 100

126 35.2 18.6 55.8

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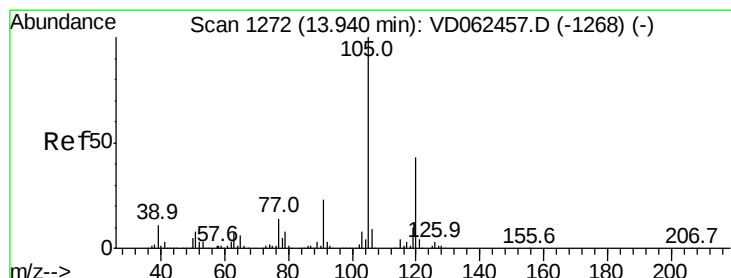
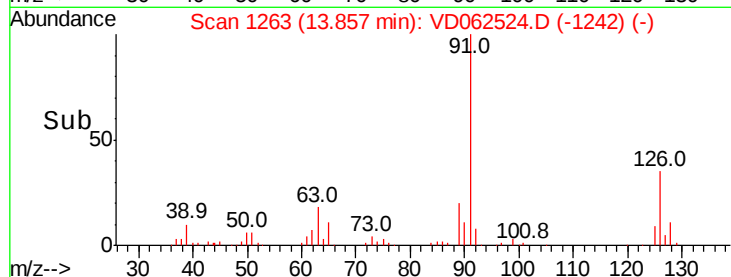
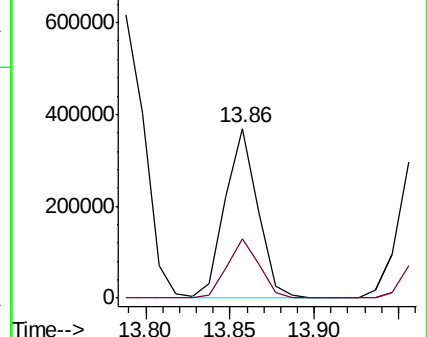
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 46.821 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD062524.D

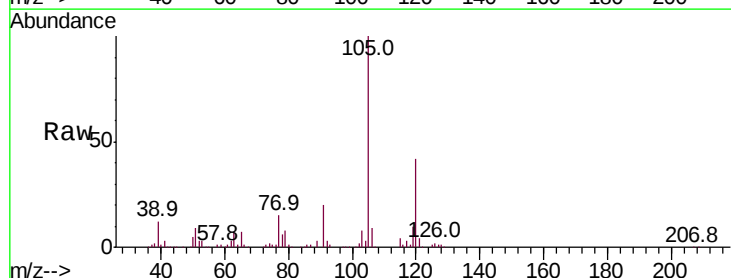
Acq: 23 May 2019 18:22

Tgt Ion: 105 Resp: 622640

Ion Ratio Lower Upper

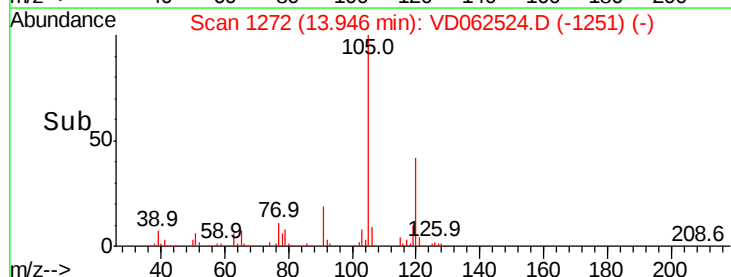
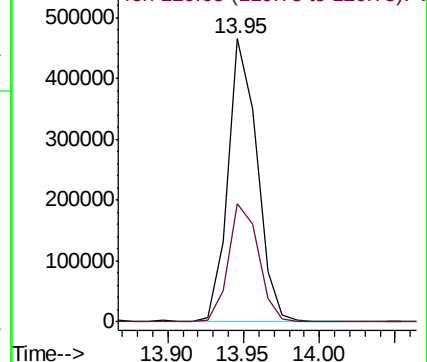
105 100

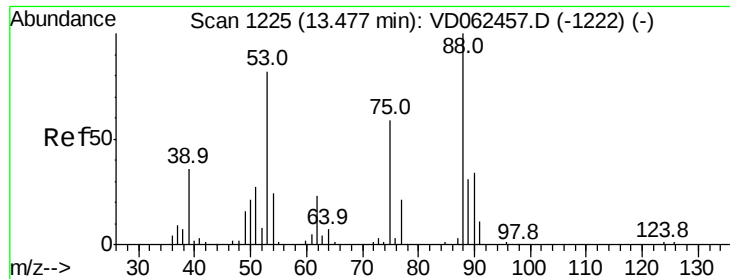
120 41.9 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.715 ug/l

RT: 13.49 min Scan# 1226

Delta R.T. 0.02 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 40240

Ion Ratio Lower Upper

75 100

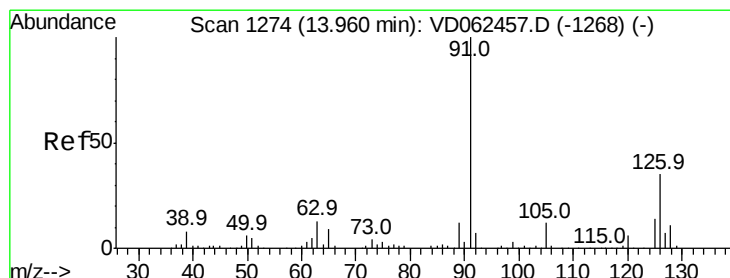
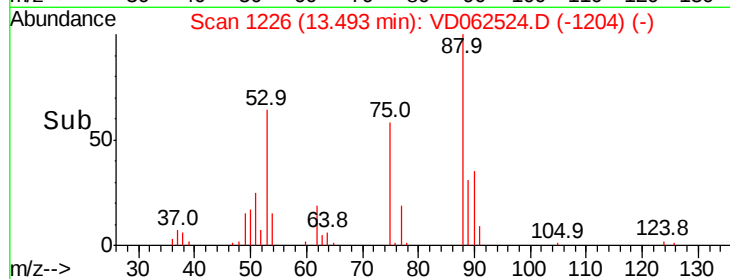
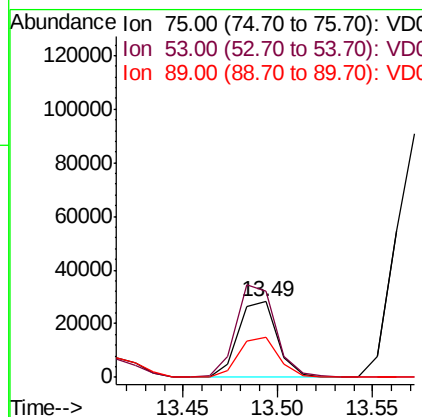
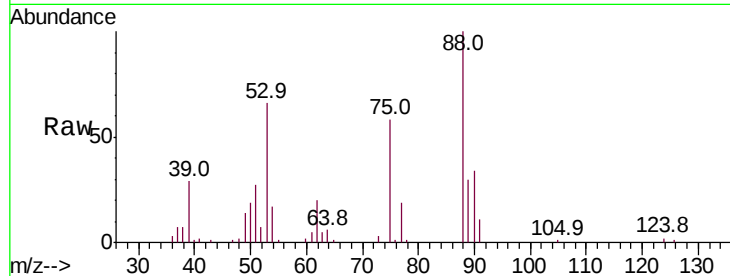
53 114.8 65.8 98.8#

89 52.5 35.0 52.6

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#82

4-Chlorotoluene

Concen: 47.420 ug/l

RT: 13.97 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD062524.D

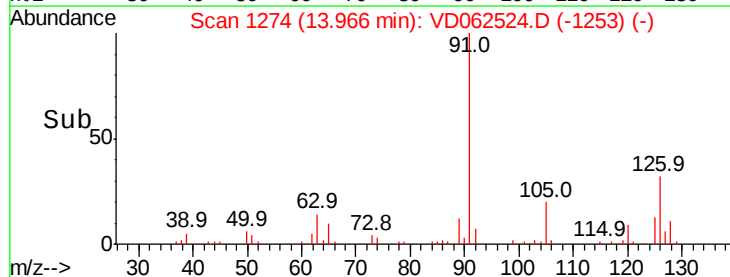
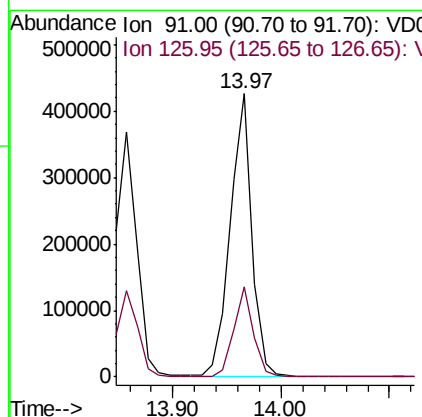
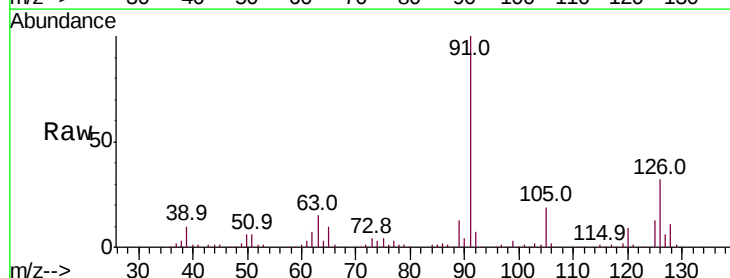
Acq: 23 May 2019 18:22

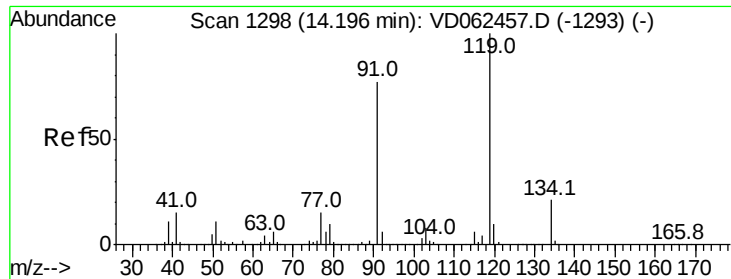
Tgt Ion: 91 Resp: 589603

Ion Ratio Lower Upper

91 100

126 31.8 19.1 57.5





#83

tert-Butylbenzene

Concen: 44.885 ug/l

RT: 14.20 min Scan# 1298

Delta R.T. 0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

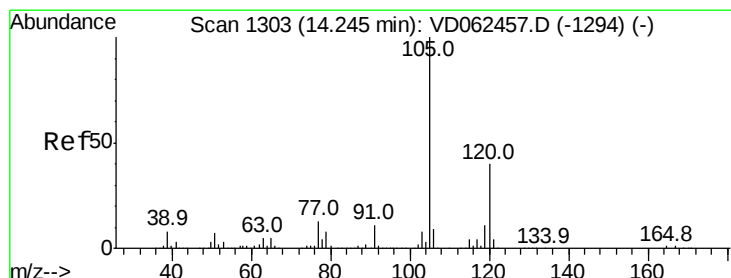
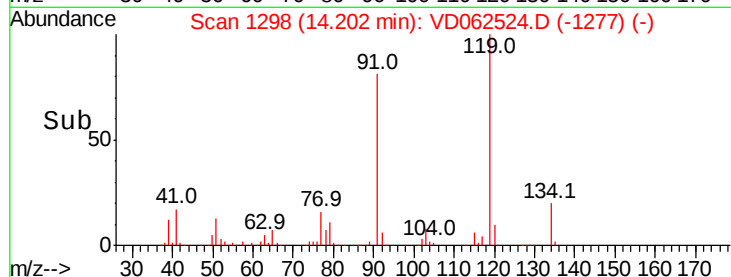
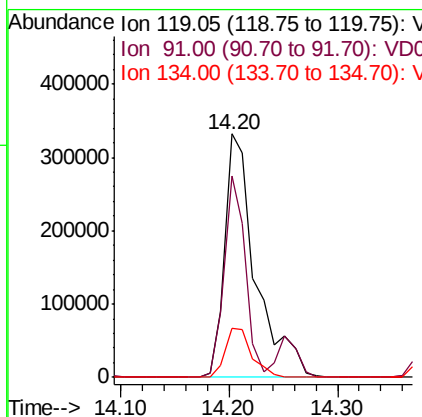
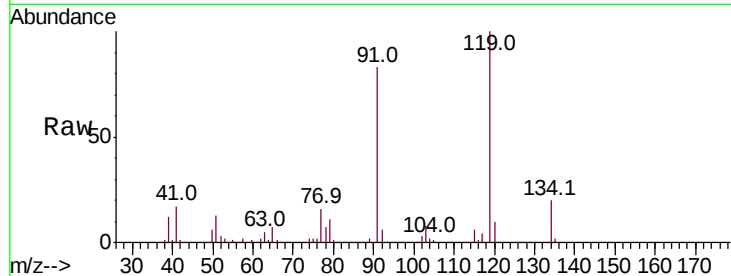
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	662104
Ion Ratio	Lower	Upper	
119	100		
91	82.6	34.2	102.6
134	20.3	12.0	36.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 46.362 ug/l

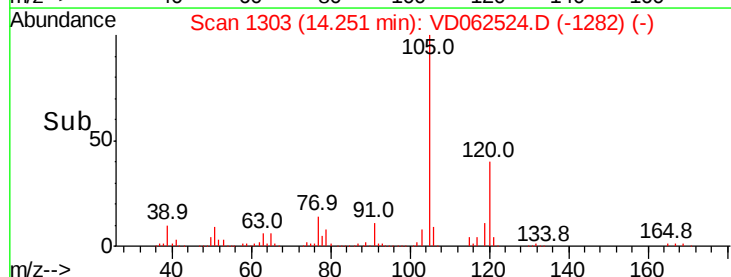
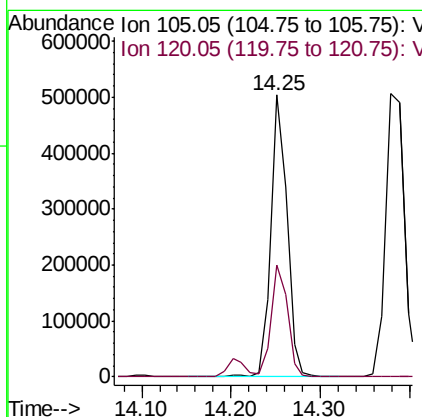
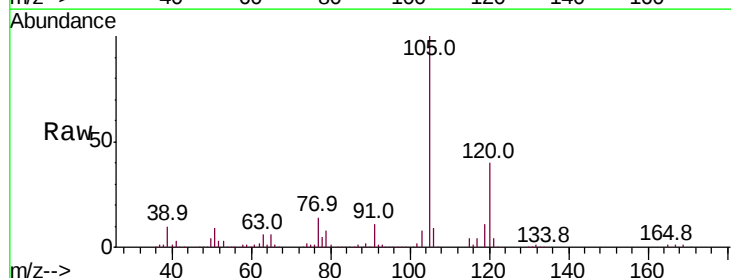
RT: 14.25 min Scan# 1303

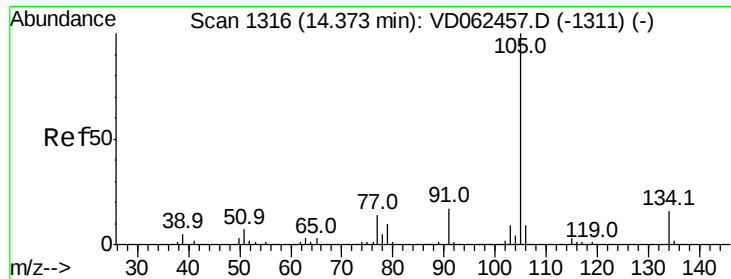
Delta R.T. 0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Tgt Ion:	105	Resp:	631750
Ion Ratio	Lower	Upper	
105	100		
120	39.7	23.1	69.2





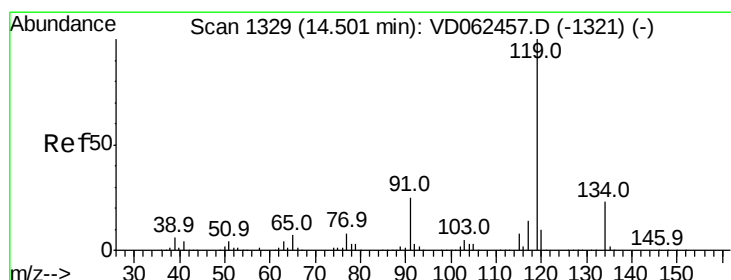
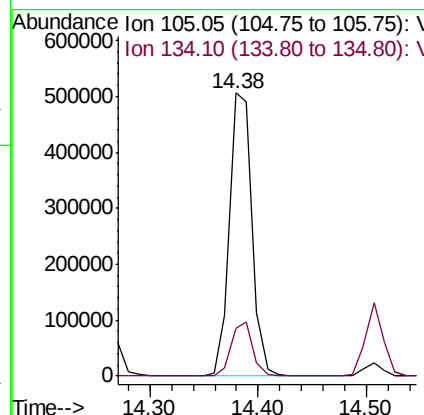
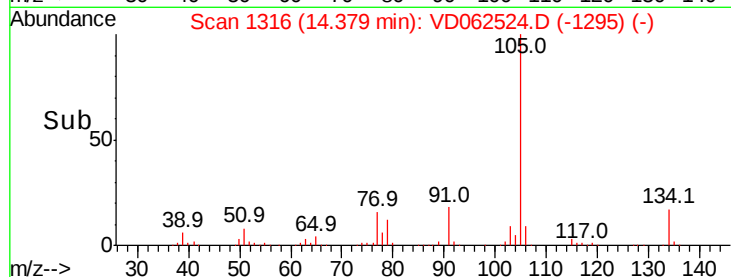
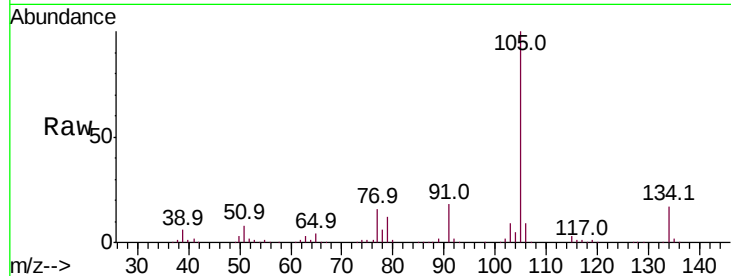
#85
 sec-Butylbenzene
 Concen: 47.537 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 731177
 Ion Ratio Lower Upper
 105 100
 134 16.7 8.9 26.7

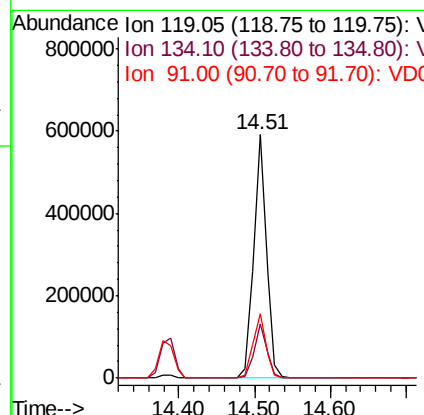
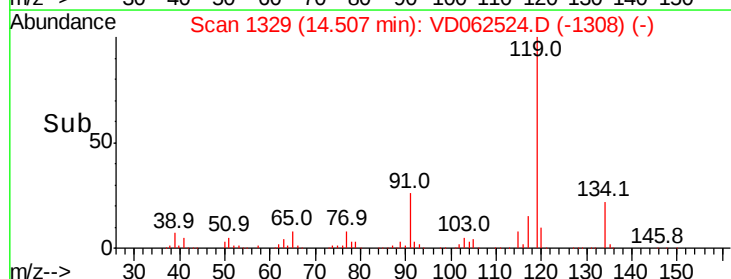
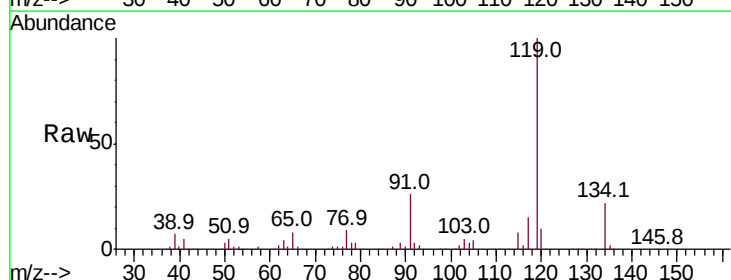
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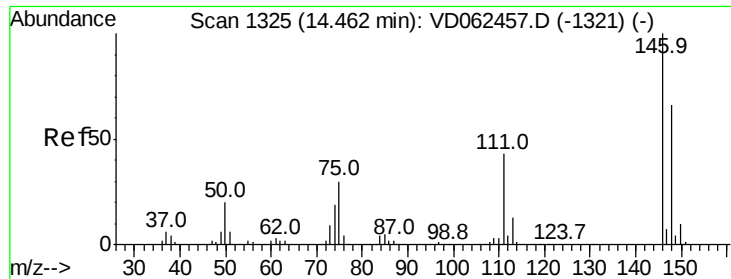
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#86
 p-Isopropyltoluene
 Concen: 49.700 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. 0.01 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Tgt Ion:119 Resp: 692758
 Ion Ratio Lower Upper
 119 100
 134 22.2 12.8 38.3
 91 26.2 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 49.719 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. 0.02 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

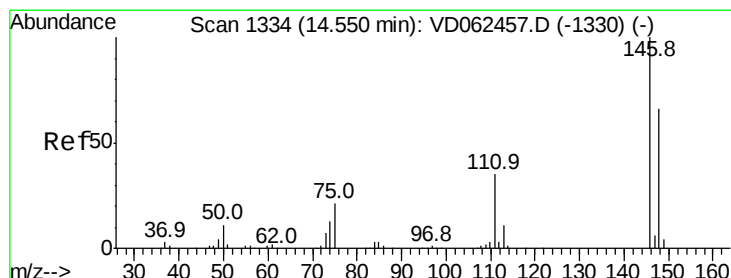
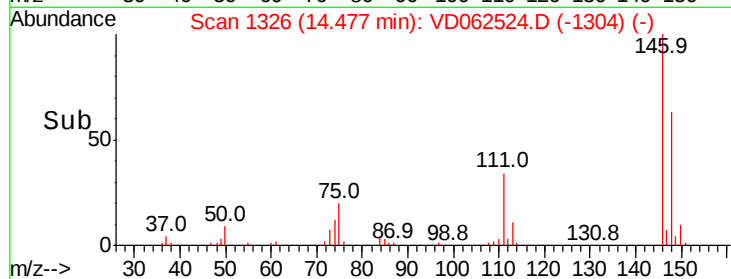
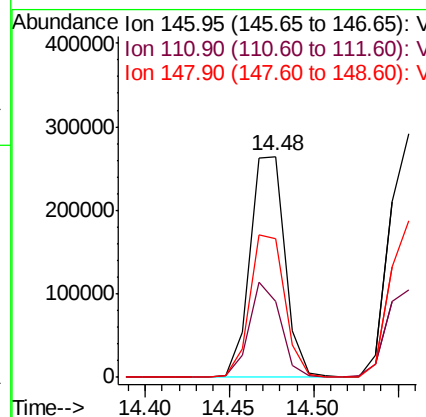
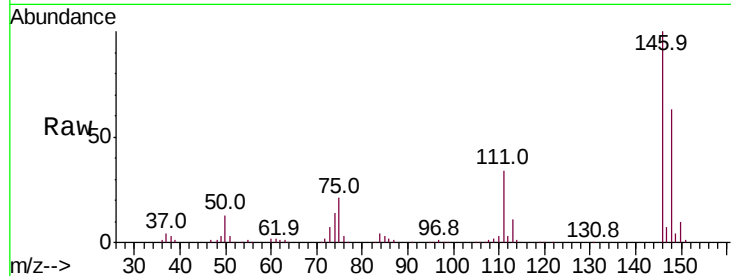
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	382538
Ion Ratio	Lower	Upper	
146	100		
111	34.2	20.0	60.0
148	63.1	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.309 ug/l

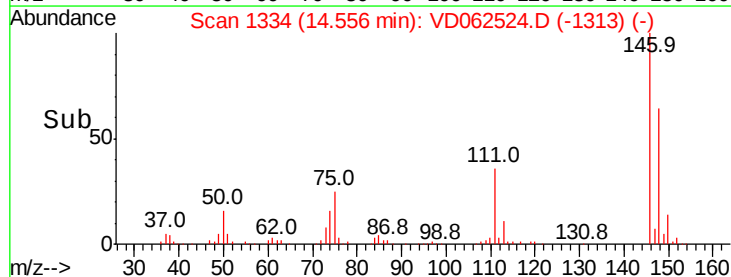
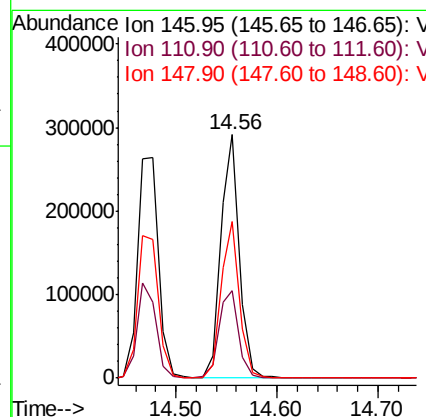
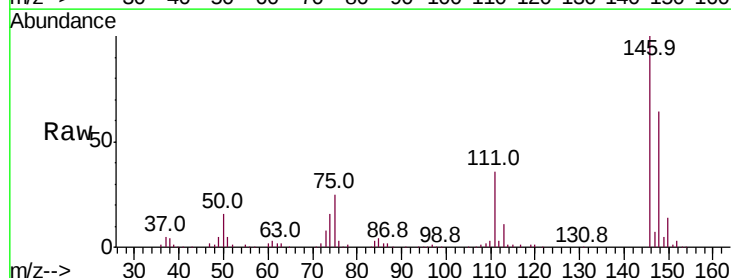
RT: 14.56 min Scan# 1334

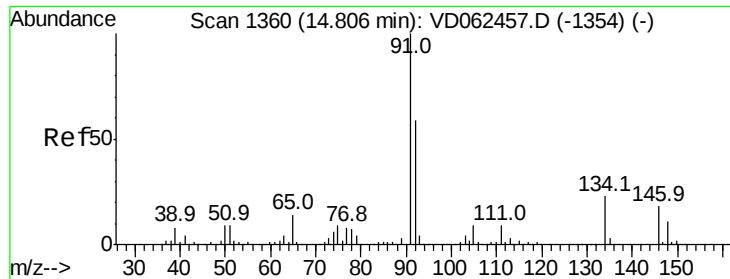
Delta R.T. 0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Tgt Ion:	146	Resp:	373526
Ion Ratio	Lower	Upper	
146	100		
111	35.7	20.2	60.5
148	64.5	32.0	96.2





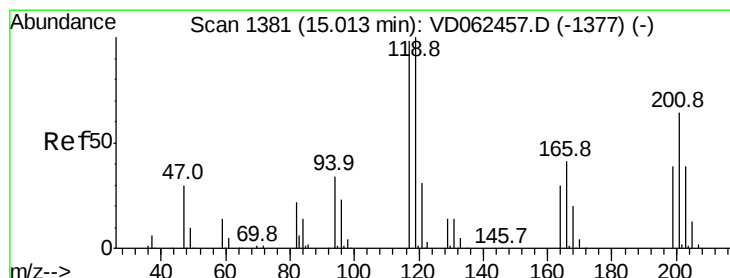
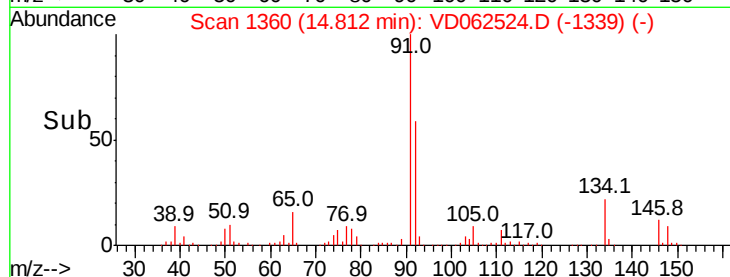
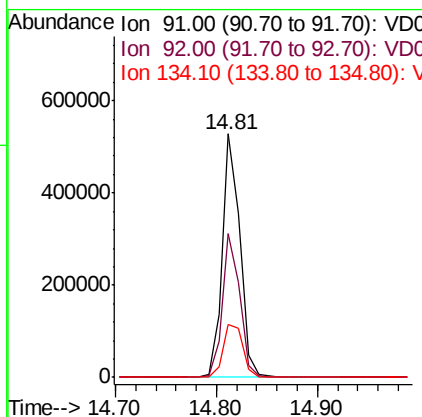
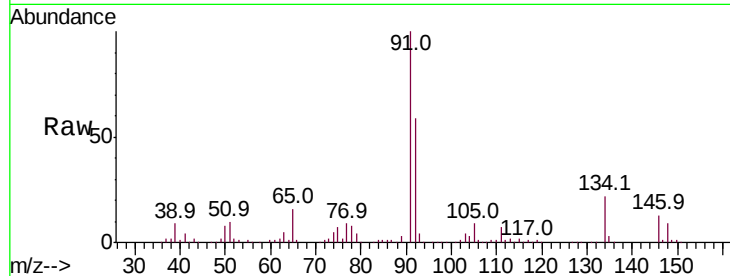
#89
n-Butylbenzene
Concen: 48.119 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	647296		
92	58.8		30.3	91.0
134	21.5		14.5	43.6

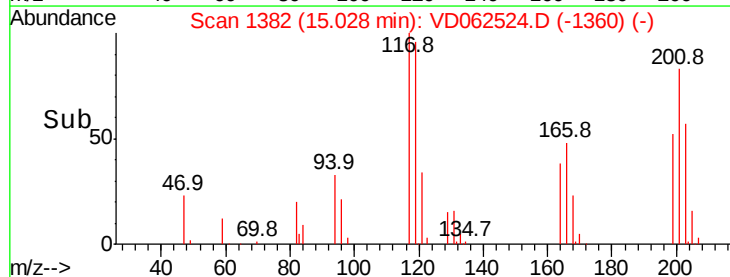
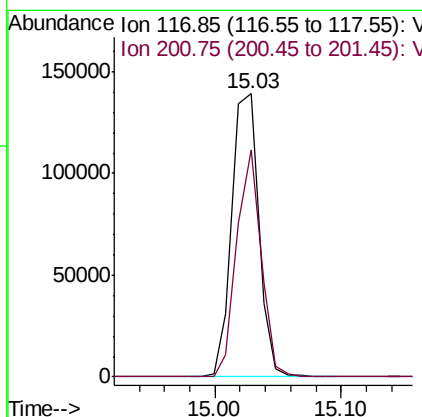
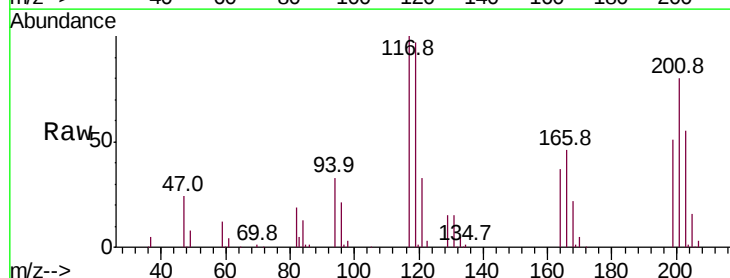
Manual Integrations
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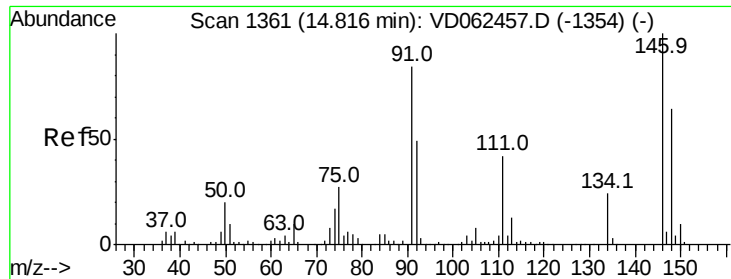
MMDadoda
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#90
Hexachloroethane
Concen: 53.420 ug/l
RT: 15.03 min Scan# 1382
Delta R.T. 0.02 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	205783		
201	80.4		30.2	90.6





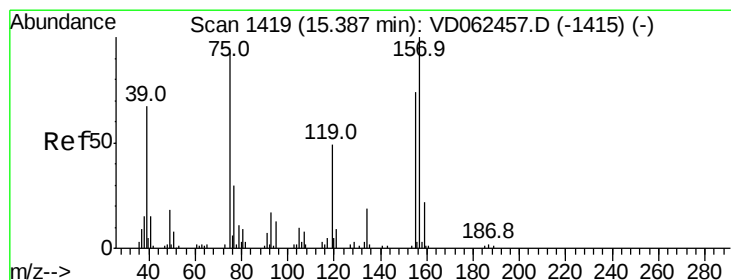
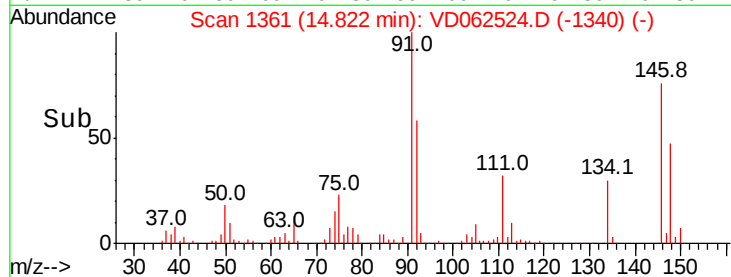
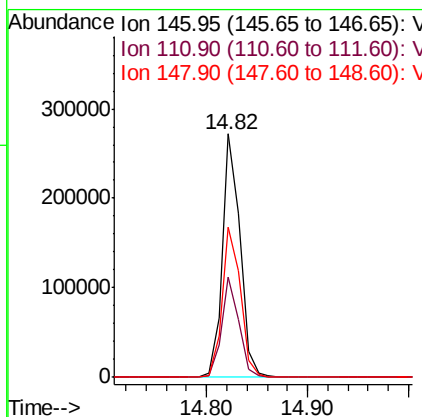
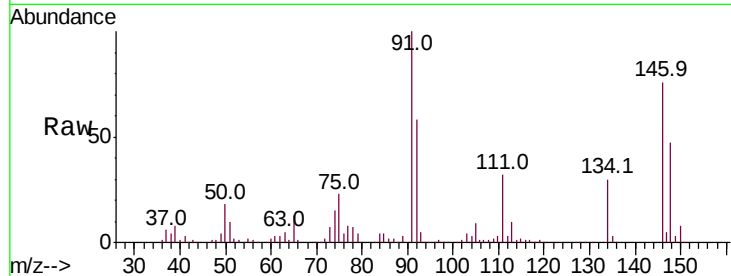
#91
 1,2-Dichlorobenzene
 Concen: 51.148 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	146	Resp:	334634
Ion Ratio	Lower	Upper	
146	100		
111	41.3	20.0	59.9
148	61.6	32.3	96.8

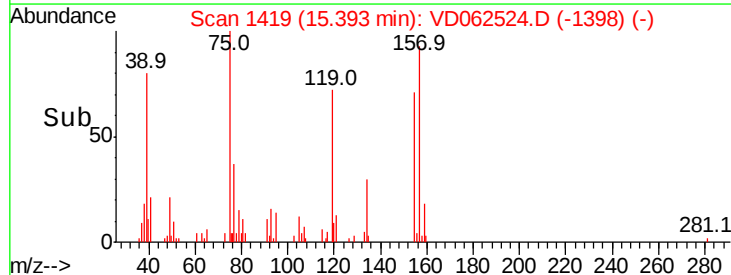
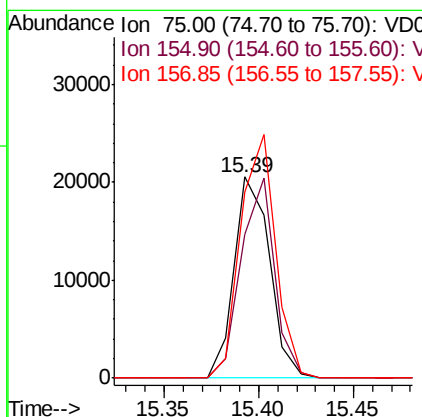
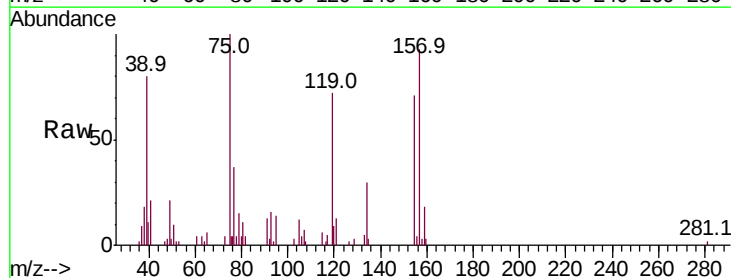
Manual Integrations
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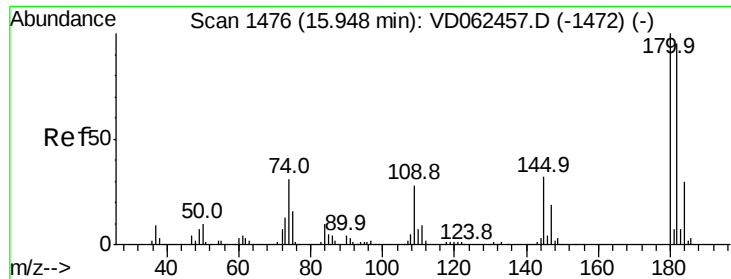
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.466 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Tgt Ion:	75	Resp:	26542
Ion Ratio	Lower	Upper	
75	100		
155	71.4	55.3	165.8
157	92.9	67.8	203.2





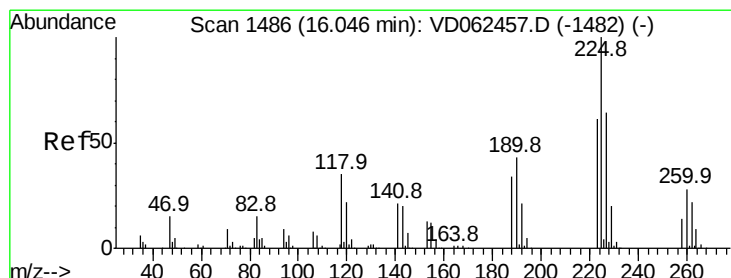
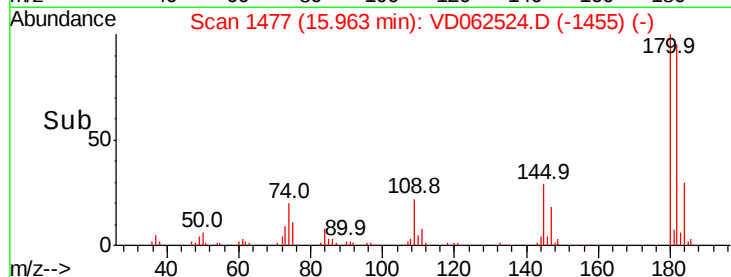
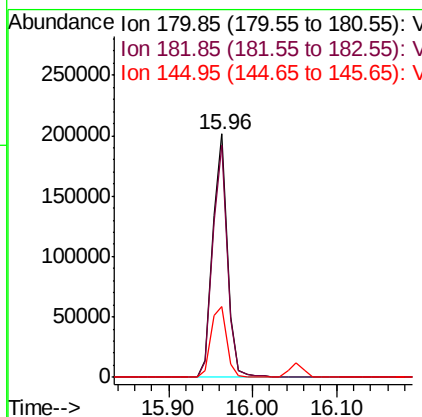
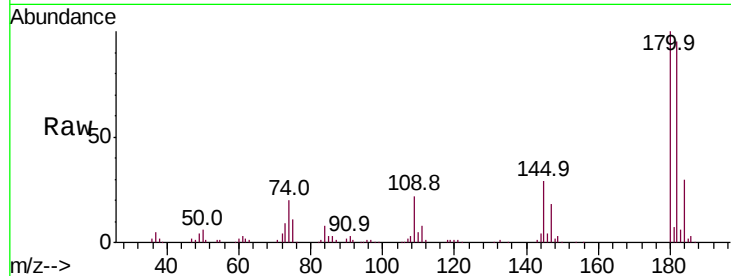
#93
 1,2,4-Trichlorobenzene
 Concen: 47.454 ug/l
 RT: 15.96 min Scan# 1477
 Delta R.T. 0.02 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	244459		
182	95.3	49.3	147.8	
145	29.3	16.2	48.6	

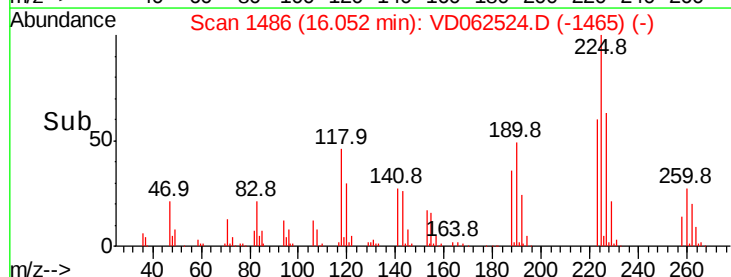
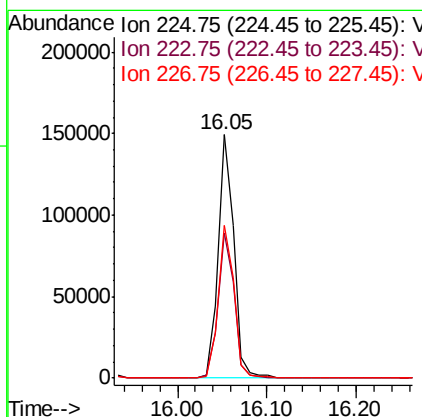
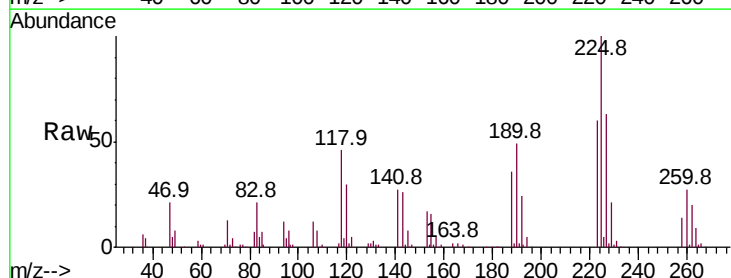
Manual Integrations
 APPROVED

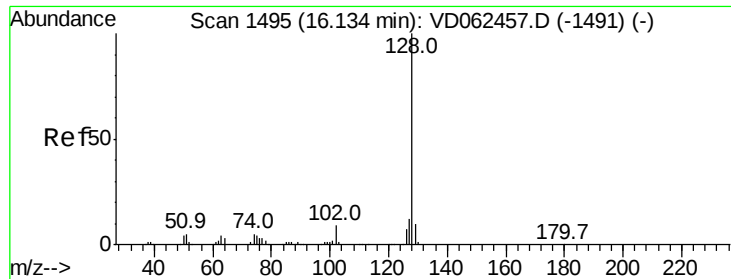
MMDadoda
 5/24/2019 10:45:07 PM



#94
 Hexachlorobutadiene
 Concen: 48.248 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	183521		
223	59.6	30.6	92.0	
227	62.6	32.0	96.2	





#95

Naphthalene

Concen: 51.478 ug/l

RT: 16.14 min Scan# 1495

Delta R.T. 0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

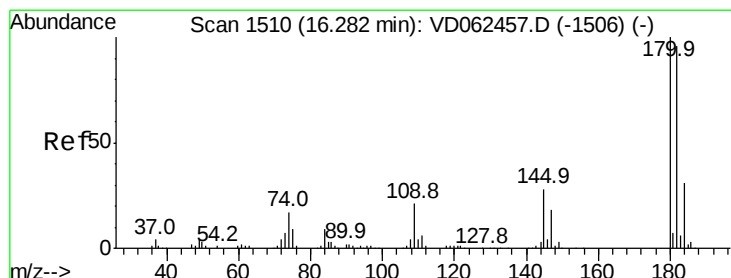
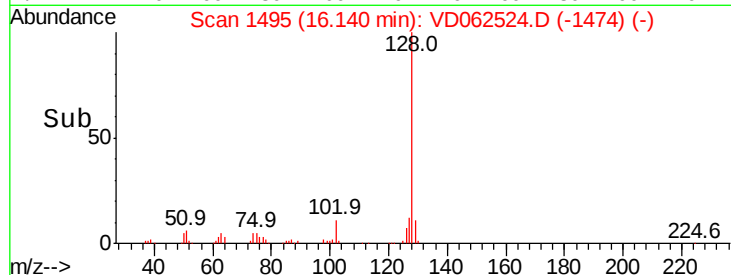
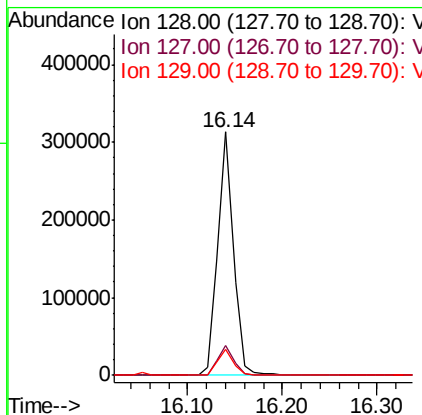
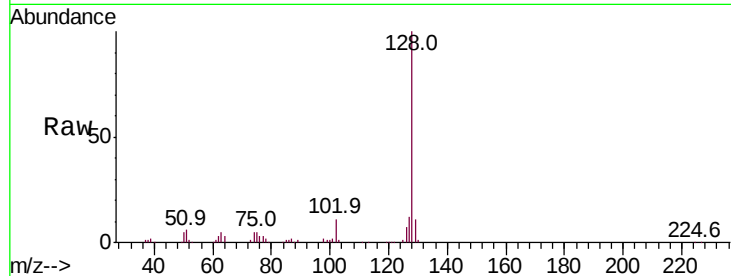
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	362353
Ion Ratio	Lower	Upper	
128	100		
127	12.2	9.8	14.8
129	10.9	8.8	13.2

Manual Integrations
APPROVED

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5/24/2019 10:45:07 PM



#96

1,2,3-Trichlorobenzene

Concen: 44.457 ug/l

RT: 16.29 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Tgt Ion:	180	Resp:	187746
Ion Ratio	Lower	Upper	
180	100		
182	99.1	47.0	141.0
145	31.5	17.0	51.0

