

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\
 Data File : VD065641.D
 Acq On : 17 Apr 2020 13:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 4:28:15 PM

Quant Time: Apr 20 07:10:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 19:43:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	260846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	355122	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	327469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	168902	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	93499	42.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.28%	
35) Dibromofluoromethane	7.92	113	97316	44.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.06%	
50) Toluene-d8	10.34	98	377561	46.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.68%	
62) 4-Bromofluorobenzene	12.64	95	120878	44.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	103557	47.675	ug/l	98
3) Chloromethane	2.21	50	103559	43.687	ug/l	99
4) Vinyl Chloride	2.35	62	120838	46.923	ug/l	98
5) Bromomethane	2.77	94	66827	47.778	ug/l	98
6) Chloroethane	2.92	64	70226	45.868	ug/l	99
7) Trichlorofluoromethane	3.27	101	161776	44.063	ug/l	100
8) Diethyl Ether	3.71	74	32264	42.783	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	77226	46.141	ug/l	99
10) Methyl Iodide	4.29	142	119176	43.894	ug/l	95
11) Tert butyl alcohol	5.24	59	23739	206.727	ug/l	98
12) 1,1-Dichloroethene	4.06	96	68902	45.798	ug/l	98
13) Acrolein	3.93	56	24757	252.096	ug/l	100
14) Allyl chloride	4.71	41	161008	54.585	ug/l	91
15) Acrylonitrile	5.43	53	103203	227.253	ug/l	97
16) Acetone	4.16	43	93269	293.903	ug/l	97
17) Carbon Disulfide	4.40	76	349785	52.452	ug/l	99
18) Methyl Acetate	4.72	43	51091	45.047	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	196591	46.144	ug/l	99
20) Methylene Chloride	4.96	84	109428	53.303	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	116923	48.096	ug/l	92
22) Diisopropyl ether	6.37	45	309931	44.635	ug/l	99
23) Vinyl Acetate	6.31	43	845109	209.444	ug/l	100
24) 1,1-Dichloroethane	6.26	63	192759	43.939	ug/l	99
25) 2-Butanone	7.22	43	137060	231.472	ug/l	98
26) 2,2-Dichloropropane	7.21	77	172441	45.098	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	119233	44.210	ug/l	99
28) Bromochloromethane	7.55	49	77470	44.216	ug/l	99
29) Tetrahydrofuran	7.57	42	81565	217.100	ug/l	98
30) Chloroform	7.71	83	190737	42.482	ug/l	97
31) Cyclohexane	7.98	56	185586	44.410	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	179320	44.420	ug/l	100
36) 1,1-Dichloropropene	8.11	75	159730	46.582	ug/l	100
37) Ethyl Acetate	7.30	43	59839	43.759	ug/l	98
38) Carbon Tetrachloride	8.10	117	168558	45.891	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	193259	48.433	ug/l	99
40) Benzene	8.35	78	440899	44.721	ug/l	96
41) Methacrylonitrile	7.53	41	30304	44.744	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	119804	44.340	ug/l	100
43) Isopropyl Acetate	8.46	43	106576	43.280	ug/l	99
44) Trichloroethene	9.11	130	124594	45.147	ug/l	94
45) 1,2-Dichloropropane	9.39	63	108500	44.842	ug/l	100
46) Dibromomethane	9.48	93	54175	43.297	ug/l	99
47) Bromodichloromethane	9.66	83	144707	43.431	ug/l	98
48) Methyl methacrylate	9.46	41	52145	39.944	ug/l	95
49) 1,4-Dioxane	9.47	88	12304	813.783	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	280362	205.702	ug/l	99
52) Toluene	10.40	92	283358	46.623	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	133295	43.570	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	164965	44.554	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	75174	42.476	ug/l	97
56) Ethyl methacrylate	10.67	69	86061	39.621	ug/l	98
57) 1,3-Dichloropropane	10.95	76	130539	43.317	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	217630	206.940	ug/l	99
59) 2-Hexanone	10.99	43	204682	218.072	ug/l	98
60) Dibromochloromethane	11.14	129	100606	43.161	ug/l	100
61) 1,2-Dibromoethane	11.25	107	72289	42.450	ug/l	99
64) Tetrachloroethene	10.88	164	108020	45.973	ug/l	99
65) Chlorobenzene	11.67	112	297178	45.836	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	111348	44.918	ug/l	99
67) Ethyl Benzene	11.75	91	528447	47.692	ug/l	97
68) m/p-Xylenes	11.86	106	419715	98.047	ug/l	98
69) o-Xylene	12.18	106	180059	47.939	ug/l	99
70) Styrene	12.20	104	324195	48.762	ug/l	99
71) Bromoform	12.37	173	61536	44.186	ug/l #	98
73) Isopropylbenzene	12.48	105	504437	49.518	ug/l	100
74) N-amyl acetate	12.30	43	98055	41.579	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	79883	43.187	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	63494m	46.755	ug/l	
77) Bromobenzene	12.77	156	121743	45.004	ug/l	99
78) n-propylbenzene	12.83	91	609148	49.430	ug/l	100
79) 2-Chlorotoluene	12.91	91	330442	47.217	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	420975	48.969	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	28844	46.550	ug/l	97
82) 4-Chlorotoluene	13.01	91	356597	47.351	ug/l	99
83) tert-Butylbenzene	13.23	119	349190	48.445	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	421930	49.230	ug/l	99
85) sec-Butylbenzene	13.41	105	506020	49.070	ug/l	100
86) p-Isopropyltoluene	13.53	119	478699	49.462	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	240197	45.349	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	238239	45.190	ug/l	99
89) n-Butylbenzene	13.85	91	433344	49.334	ug/l	100
90) Hexachloroethane	14.12	117	93285	45.961	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	204092	44.939	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12697	45.390	ug/l	91

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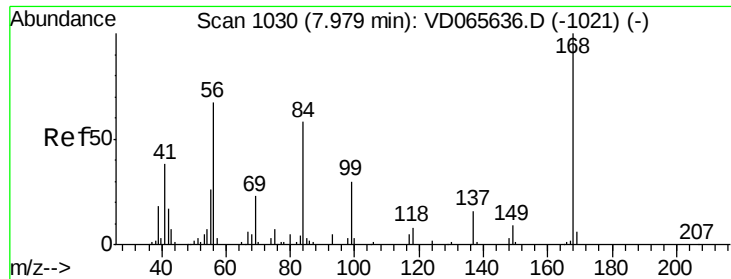
Manual Integrations
APPROVED

MMDadoda
4/20/2020 4:28:15 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	145003	46.420	ug/l	98
94) Hexachlorobutadiene	15.28	225	99734	46.566	ug/l	99
95) Naphthalene	15.41	128	212675	40.574	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	126346	45.846	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 260846

Ion Ratio Lower Upper

168 100

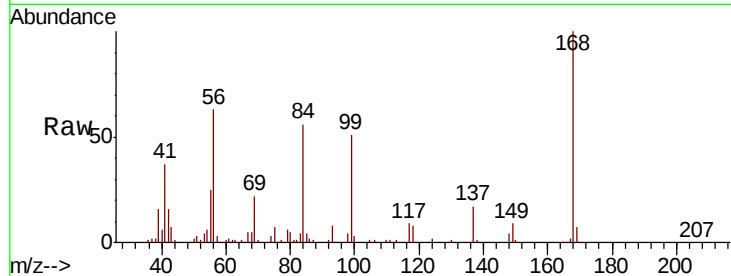
99 50.4 40.3 60.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

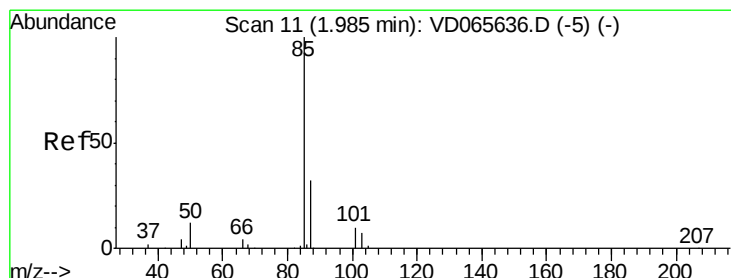
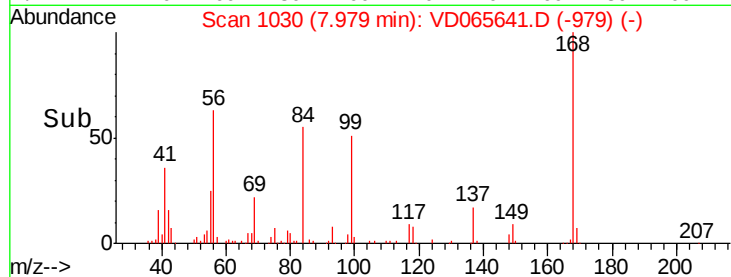
7.98

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.675 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD065641.D

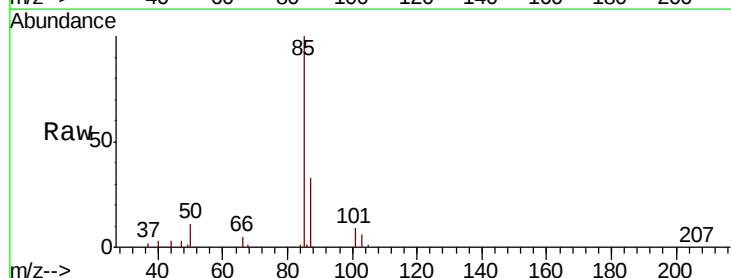
Acq: 17 Apr 2020 13:16

Tgt Ion: 85 Resp: 103557

Ion Ratio Lower Upper

85 100

87 32.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

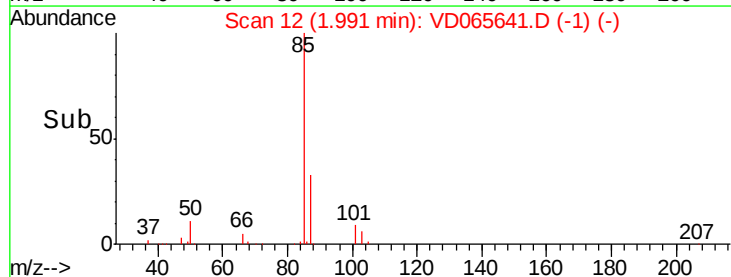
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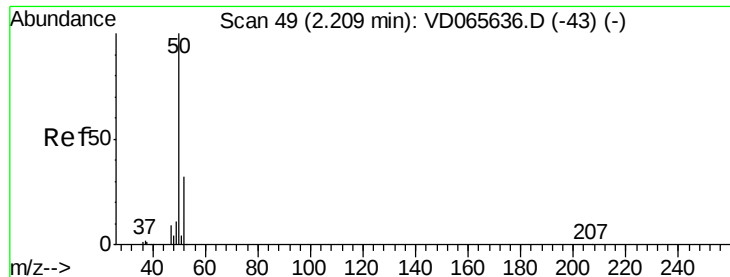
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20000

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Time-->





#3

Chloromethane

Concen: 43.687 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 103559

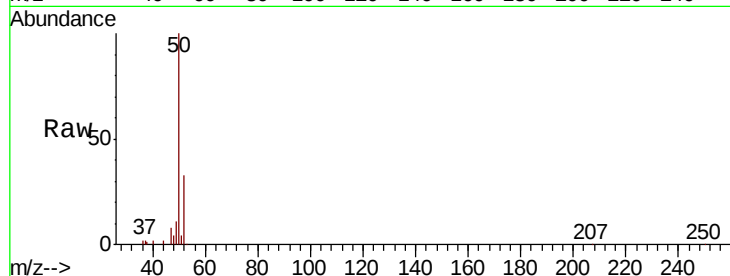
Ion Ratio Lower Upper

50 100

52 32.7 25.7 38.5

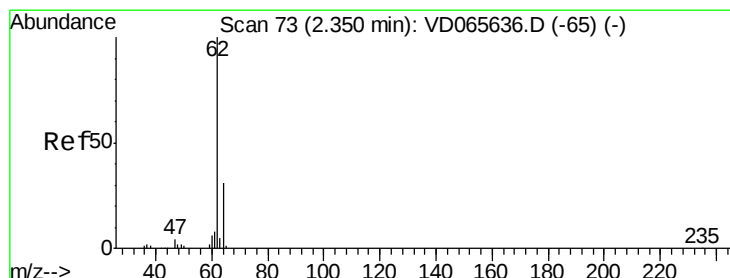
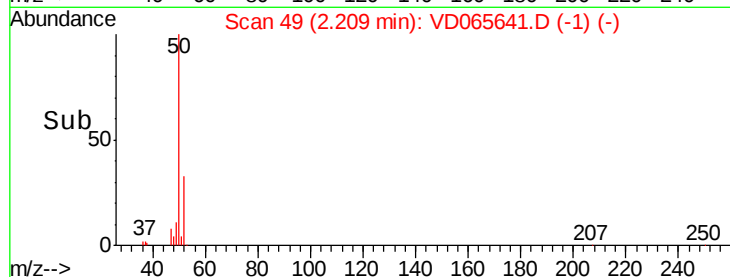
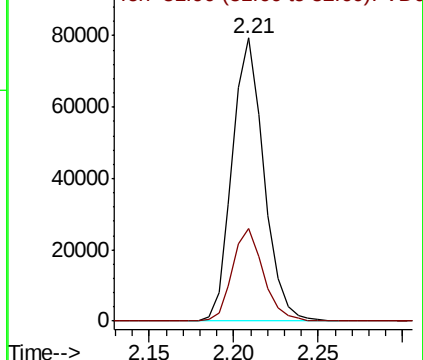
Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.923 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065641.D

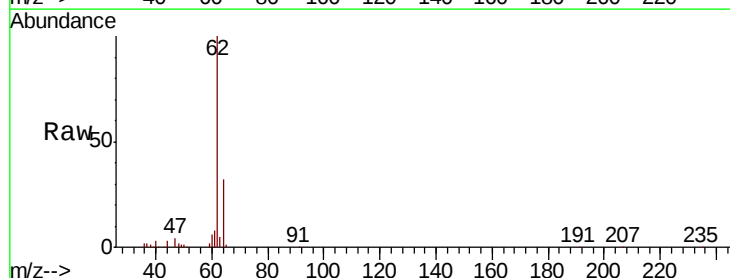
Acq: 17 Apr 2020 13:16

Tgt Ion: 62 Resp: 120838

Ion Ratio Lower Upper

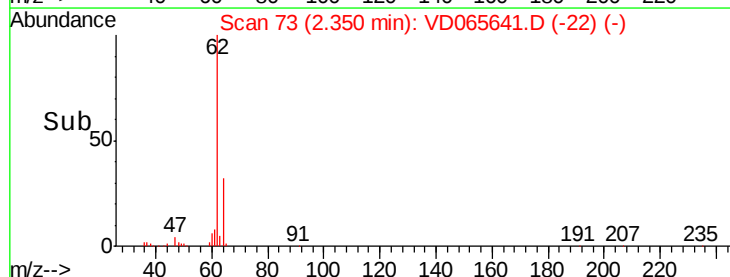
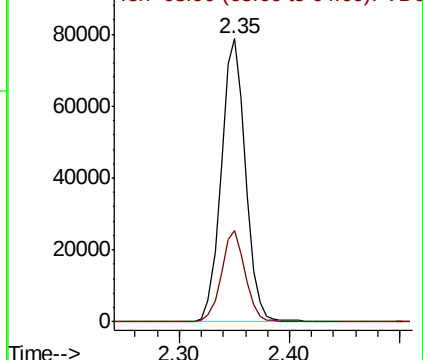
62 100

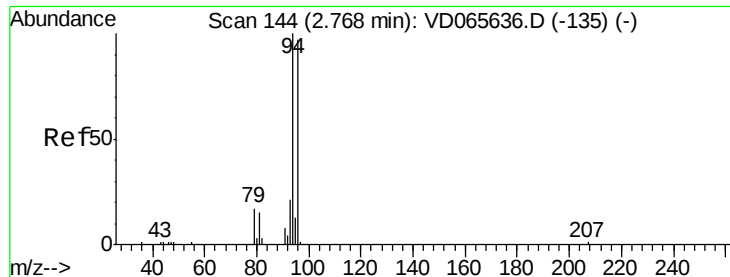
64 32.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 47.778 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 66827

Ion Ratio Lower Upper

94 100

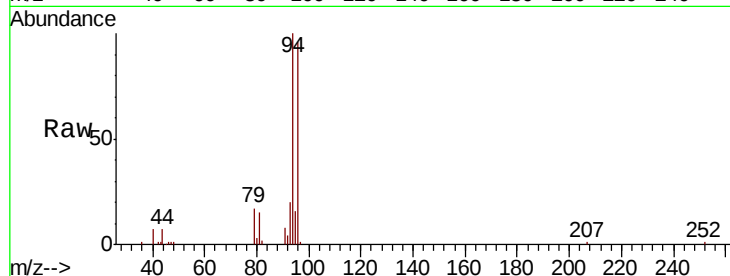
96 95.6 77.9 116.9

Manual Integrations

APPROVED

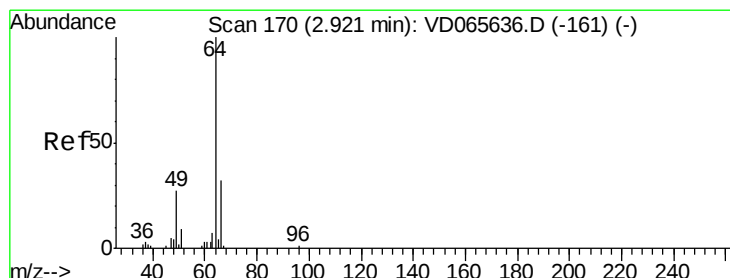
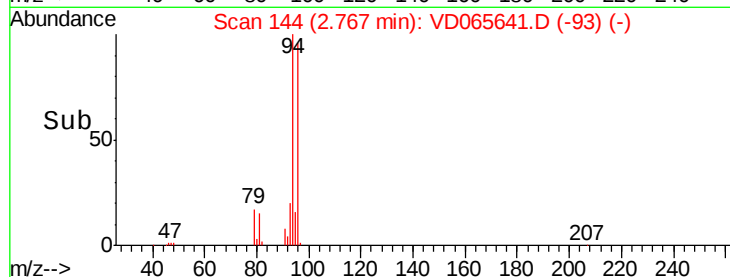
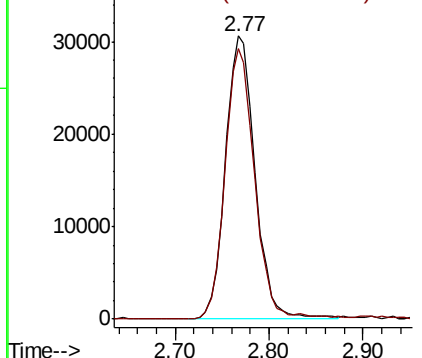
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 45.868 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD065641.D

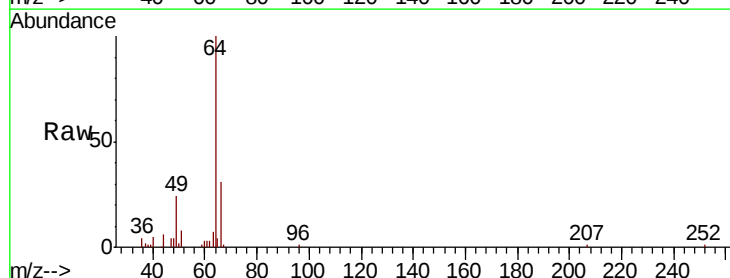
Acq: 17 Apr 2020 13:16

Tgt Ion: 64 Resp: 70226

Ion Ratio Lower Upper

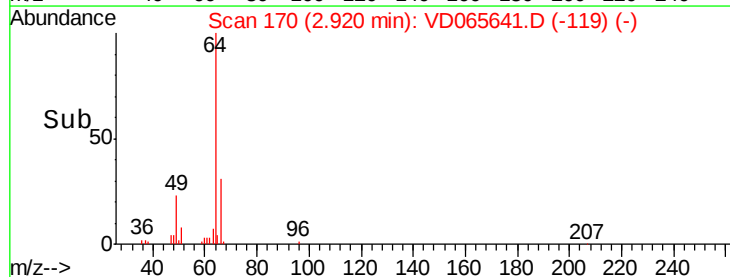
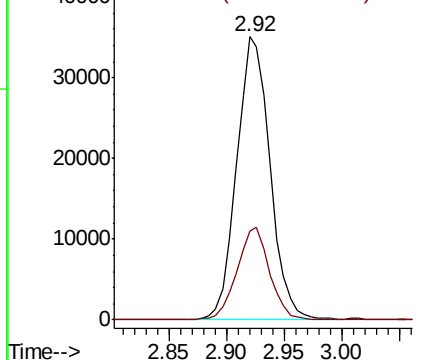
64 100

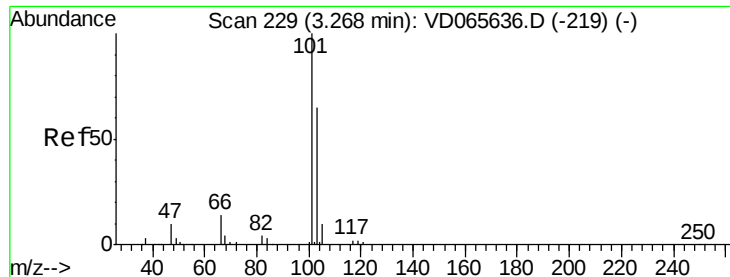
66 31.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

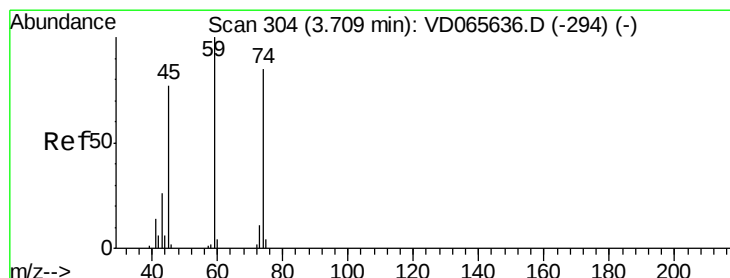
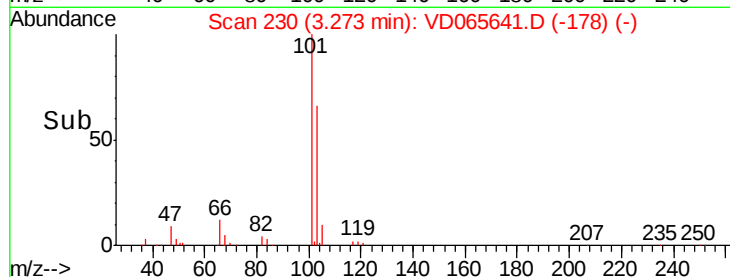
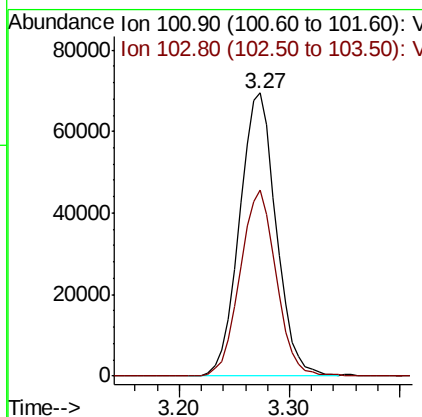
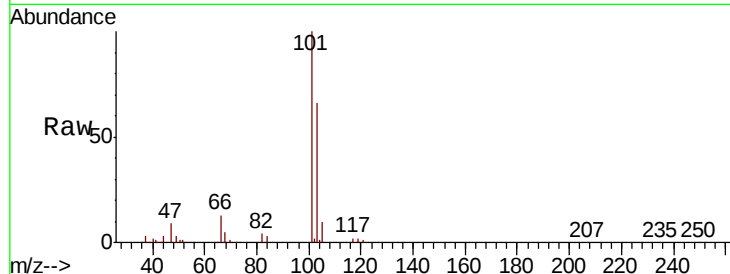
Trichlorofluoromethane
Concen: 44.063 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

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VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	161776		
103	65.6	52.2	78.4	

Manual Integrations
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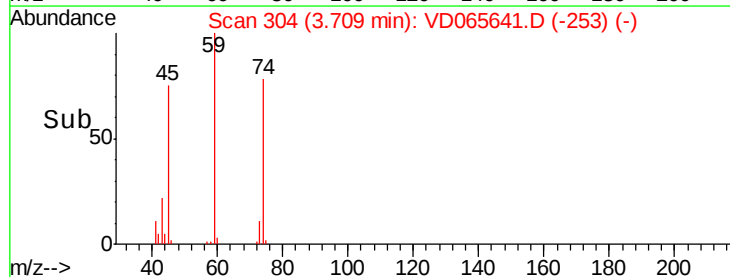
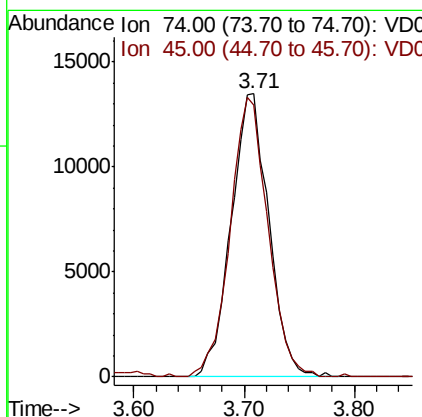
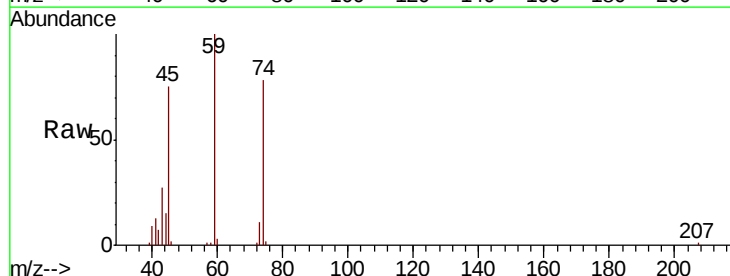
MMDadoda
4/20/2020 4:28:15 PM

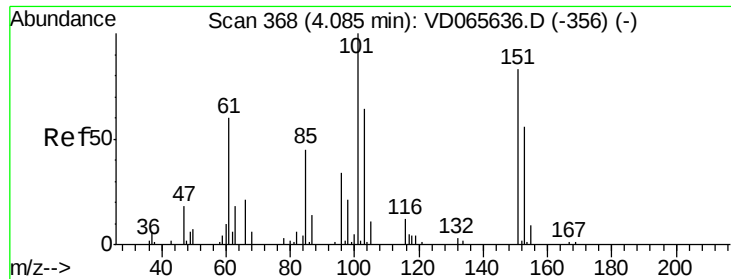


#8

Diethyl Ether
Concen: 42.783 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	32264		
45	99.0	49.9	149.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.141 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

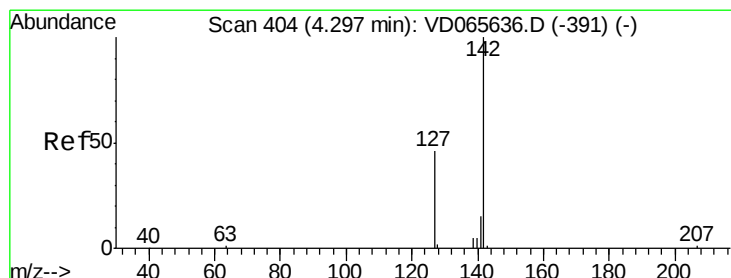
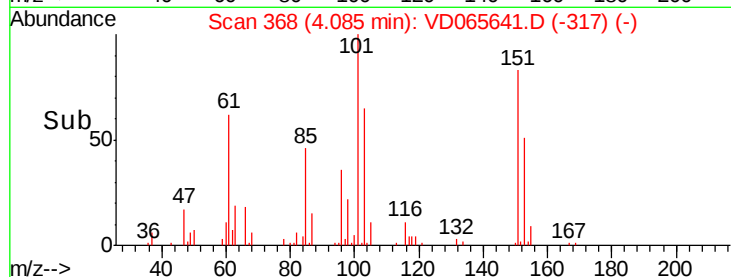
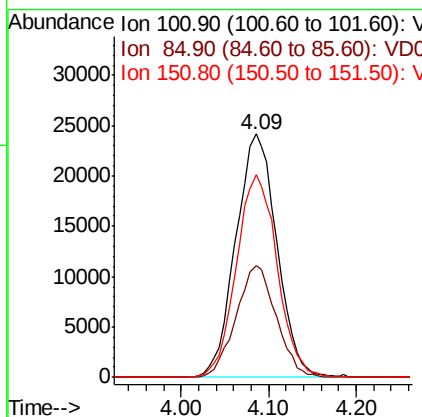
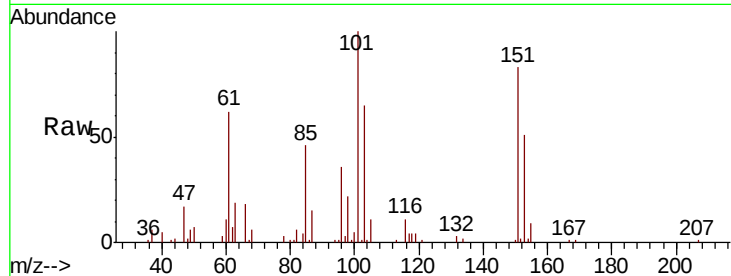
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	77226
Ion Ratio	Lower	Upper	
101	100		
85	44.6	36.2	54.2
151	82.6	65.6	98.4

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#10

Methyl Iodide

Concen: 43.894 ug/l

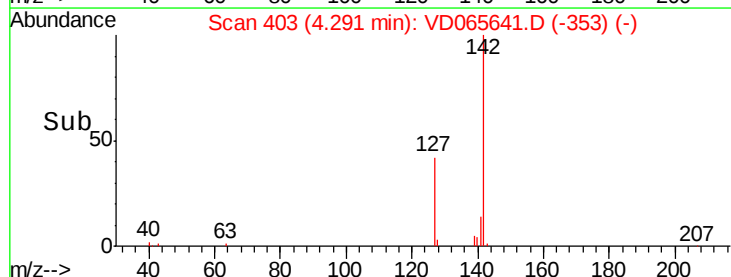
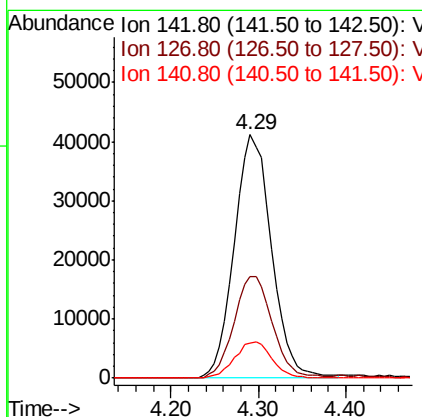
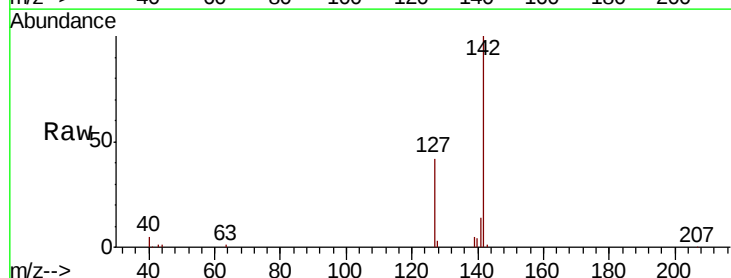
RT: 4.29 min Scan# 403

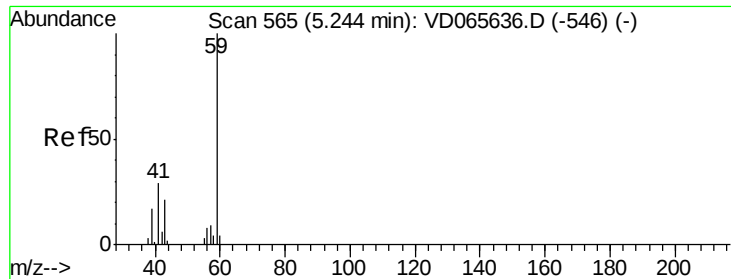
Delta R.T. -0.01 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Tgt Ion:	142	Resp:	119176
Ion Ratio	Lower	Upper	
142	100		
127	43.0	38.1	57.1
141	14.9	12.1	18.1





#11

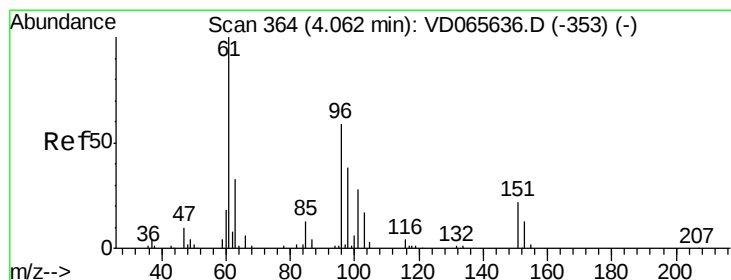
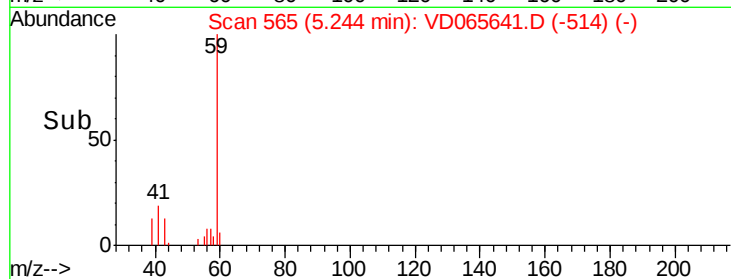
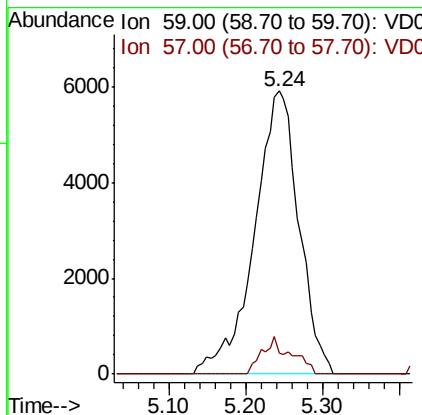
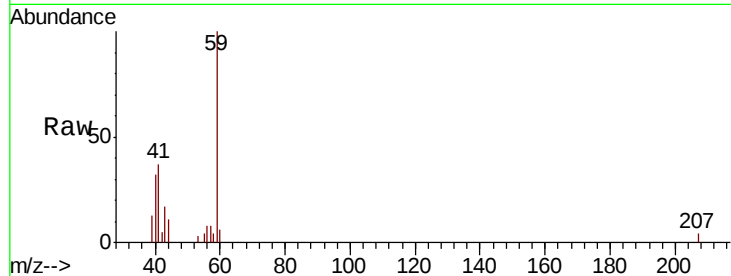
Tert butyl alcohol
Concen: 206.727 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.6	7.4	11.2

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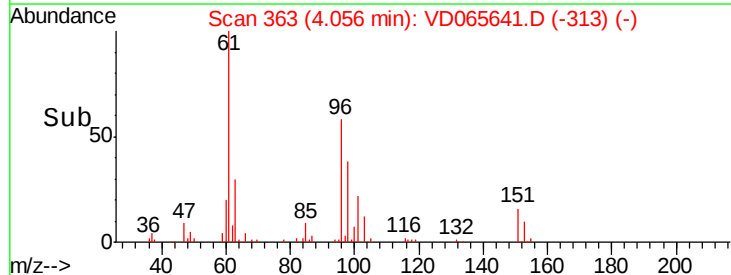
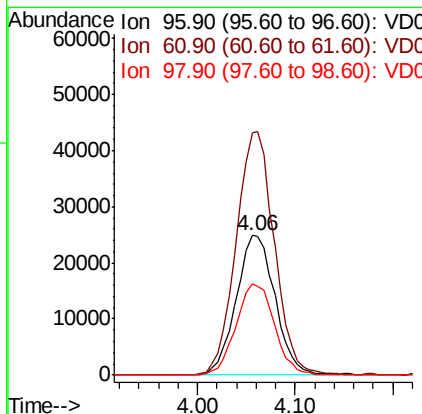
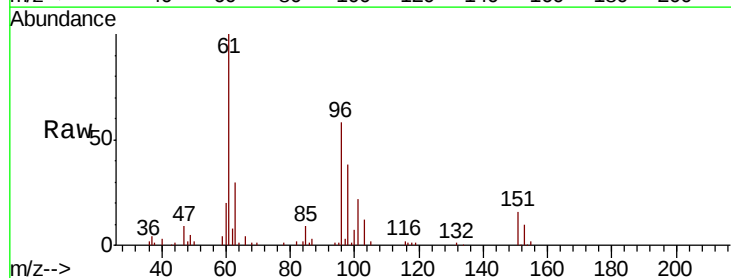
MMDadoda
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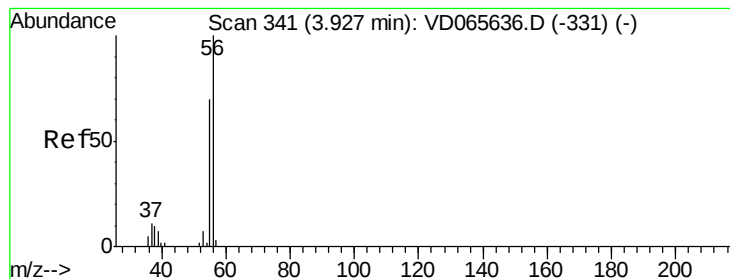


#12

1,1-Dichloroethene
Concen: 45.798 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.4	136.2	204.2
98	65.5	52.2	78.2





#13

Acrolein

Concen: 252.096 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 24757

Ion Ratio Lower Upper

56 100

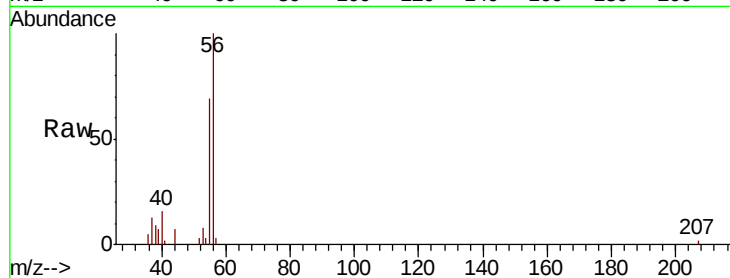
55 72.9 58.2 87.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

10000

8000

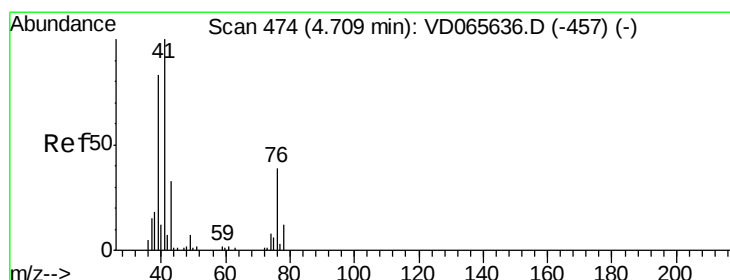
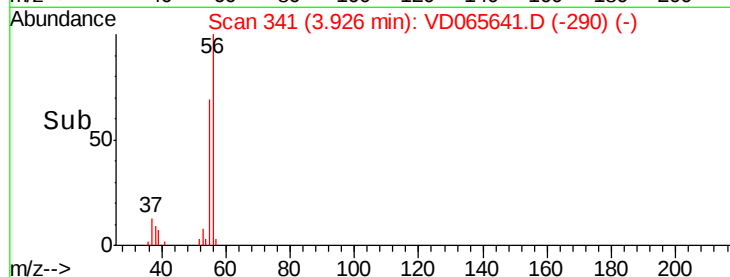
6000

4000

2000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 54.585 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

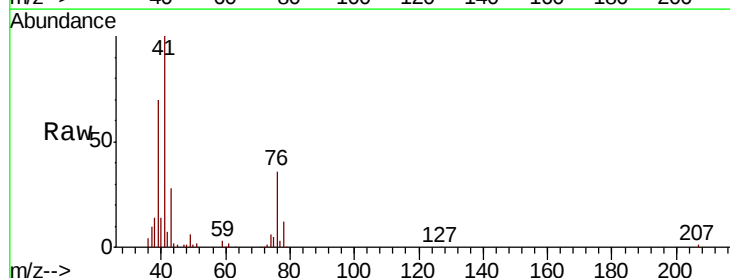
Tgt Ion: 41 Resp: 161008

Ion Ratio Lower Upper

41 100

39 66.8 62.5 93.7

76 36.3 29.1 43.7



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

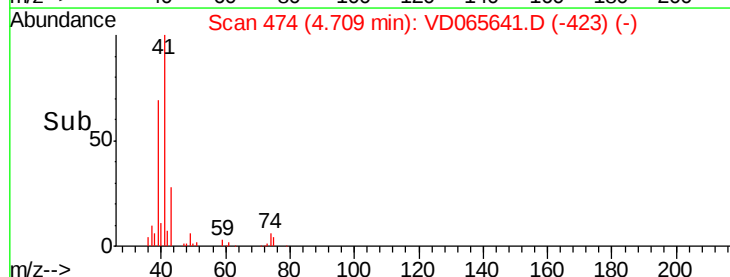
60000

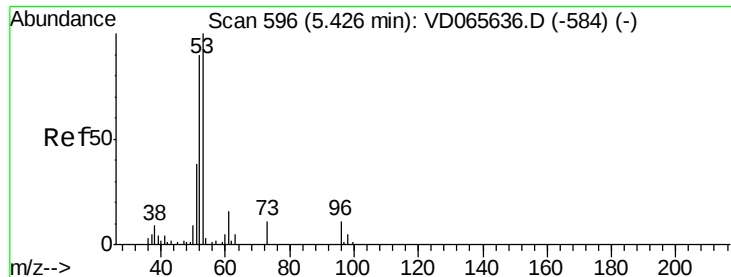
40000

20000

0

Time--> 4.50 4.60 4.70 4.80 4.90





#15

Acrylonitrile

Concen: 227.253 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

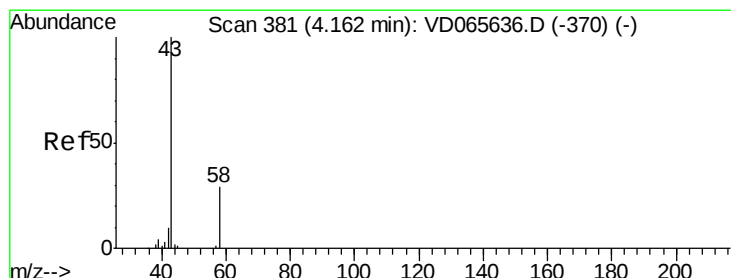
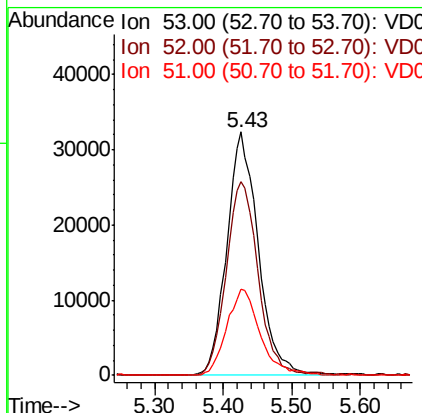
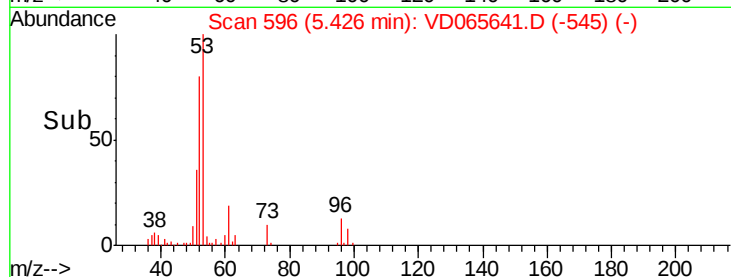
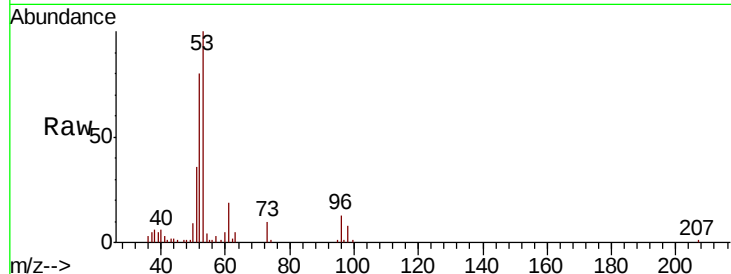
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	103203
Ion	Ratio	Lower	Upper
53	100		
52	79.8	65.8	98.6
51	37.3	30.9	46.3

Manual Integrations
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#16

Acetone

Concen: 293.903 ug/l

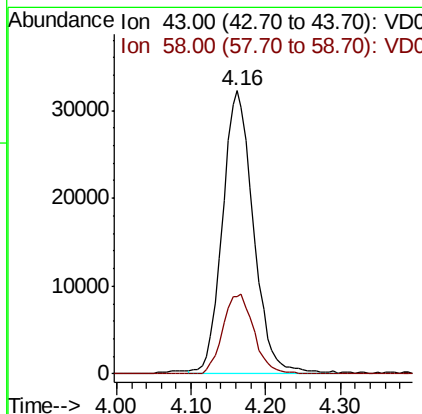
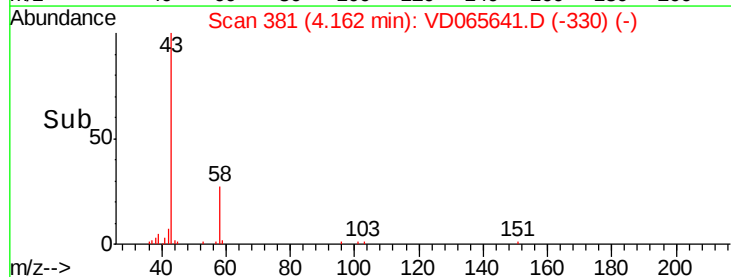
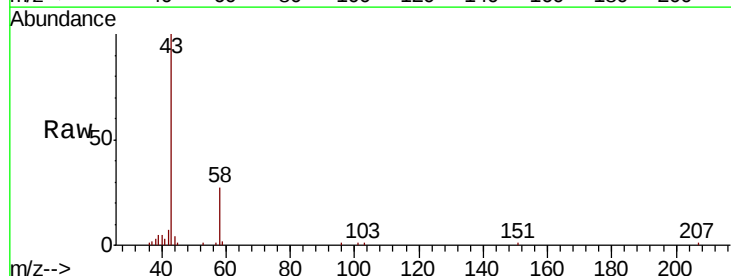
RT: 4.16 min Scan# 381

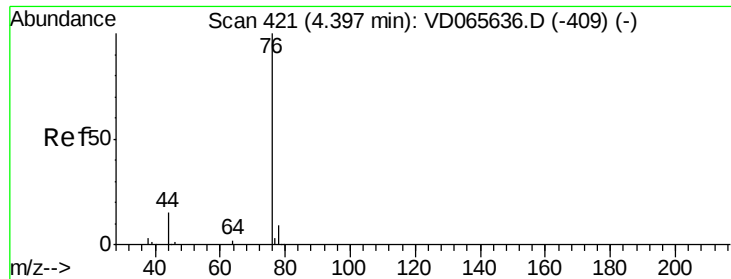
Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Tgt Ion:	43	Resp:	93269
Ion	Ratio	Lower	Upper
43	100		
58	27.2	22.9	34.3





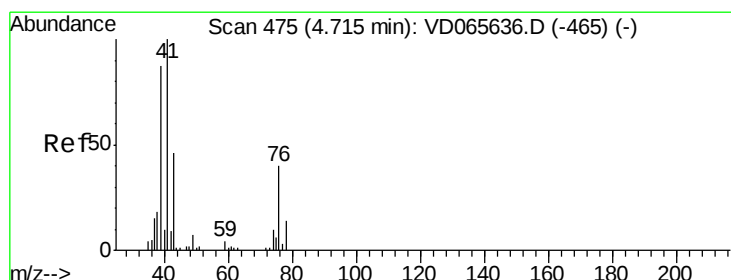
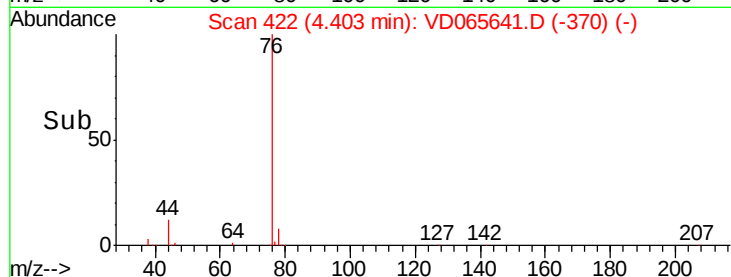
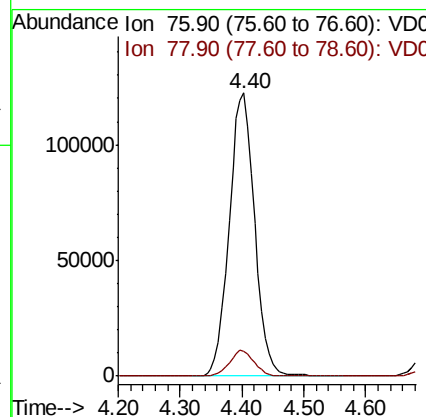
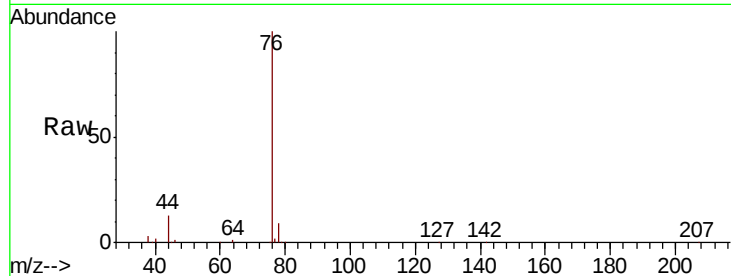
#17
Carbon Disulfide
Concen: 52.452 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 349785
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9

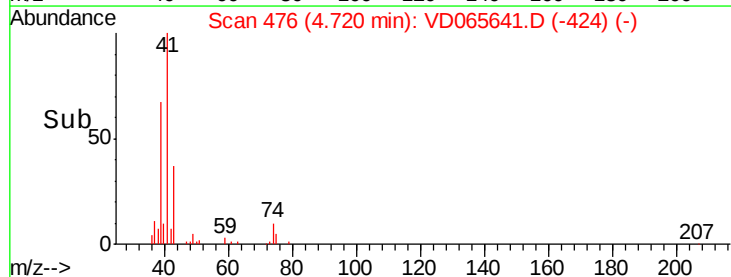
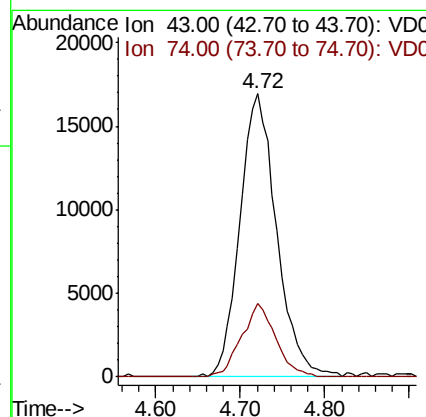
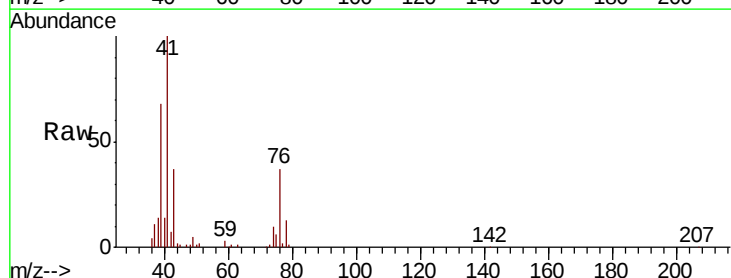
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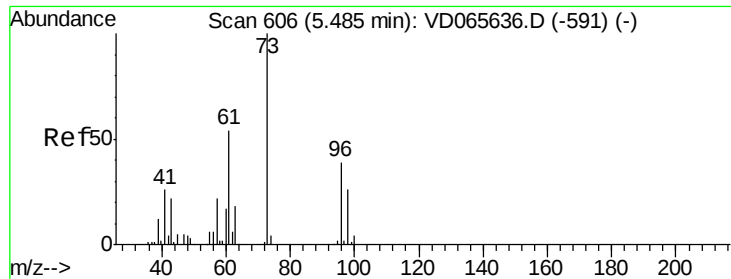
MMDadoda
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#18
Methyl Acetate
Concen: 45.047 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 43 Resp: 51091
Ion Ratio Lower Upper
43 100
74 24.1 18.6 28.0





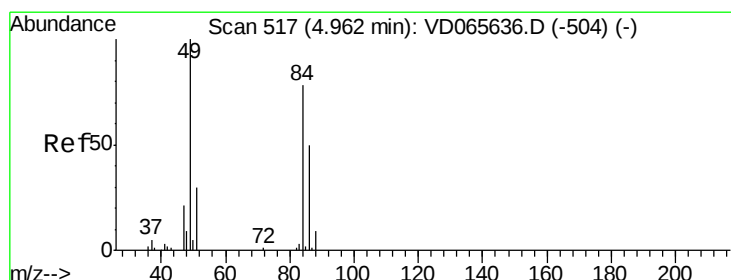
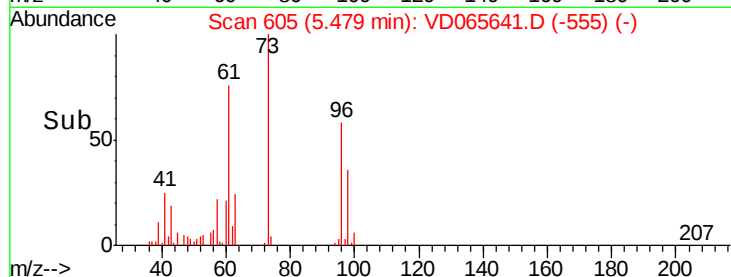
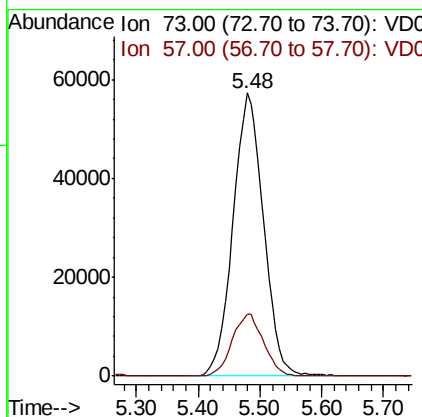
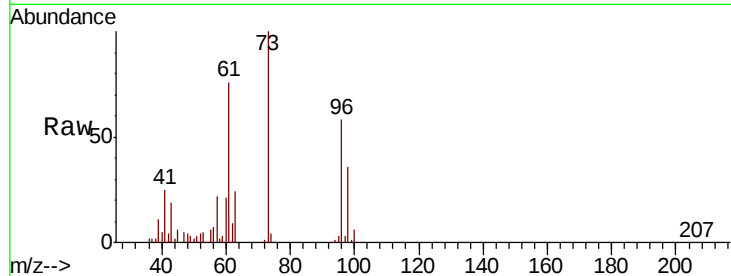
#19
Methyl tert-butyl Ether
Concen: 46.144 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 196591
Ion Ratio Lower Upper
73 100
57 21.9 17.8 26.8

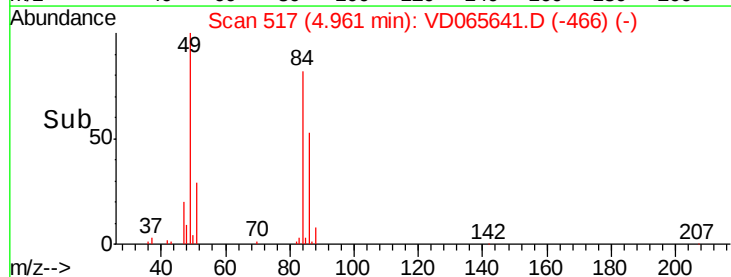
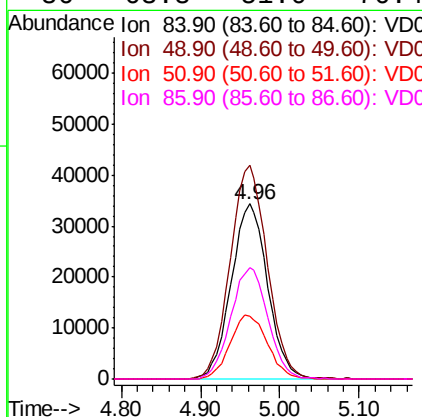
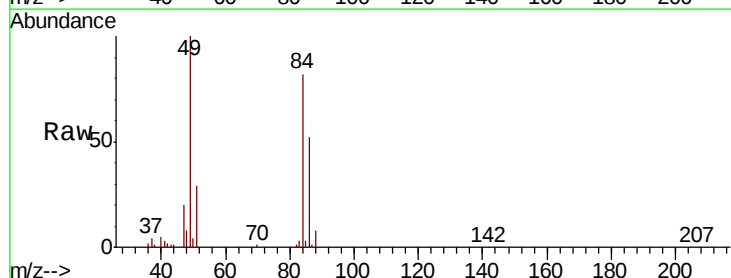
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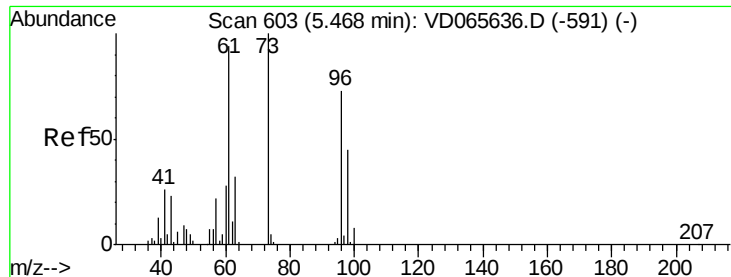
MMDadoda
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#20
Methylene Chloride
Concen: 53.303 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 84 Resp: 109428
Ion Ratio Lower Upper
84 100
49 122.0 102.0 153.0
51 35.5 30.8 46.2
86 63.8 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 48.096 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 116923

Ion Ratio Lower Upper

96 100

61 139.0 102.6 153.8

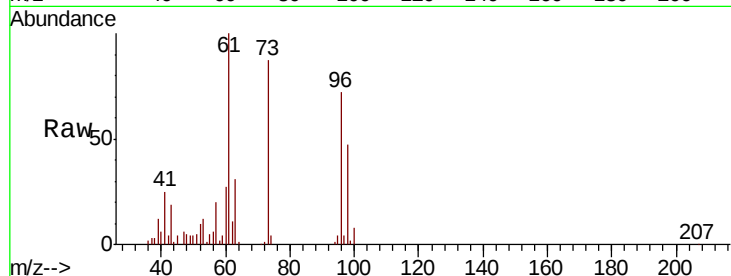
98 64.7 49.4 74.0

Manual Integrations

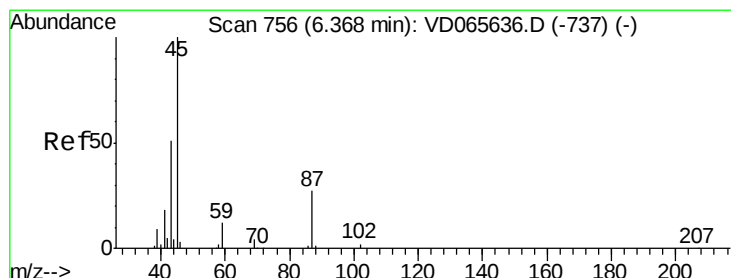
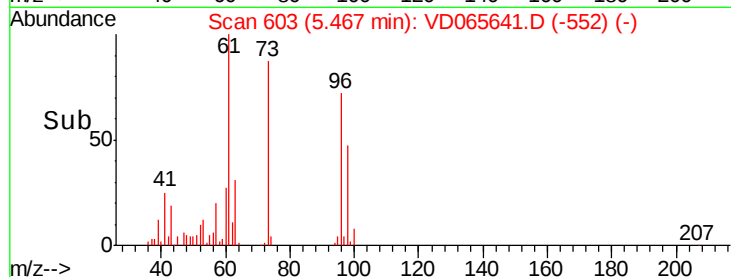
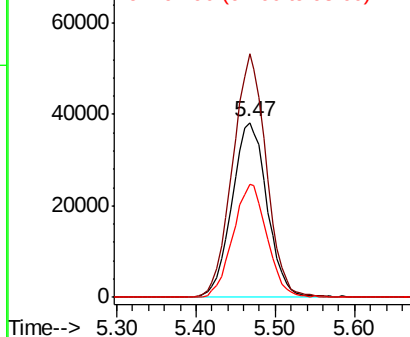
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 44.635 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Tgt Ion: 45 Resp: 309931

Ion Ratio Lower Upper

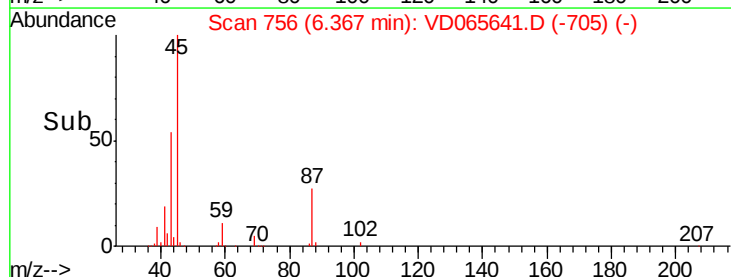
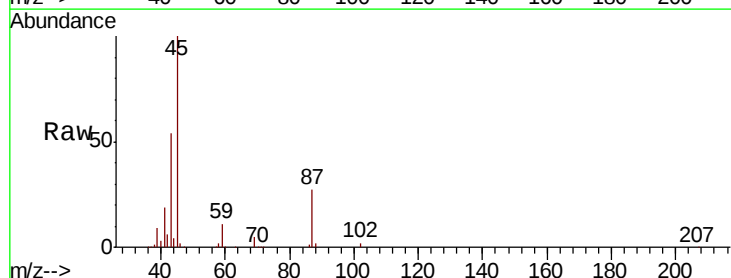
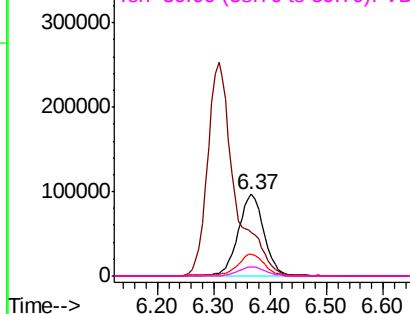
45 100

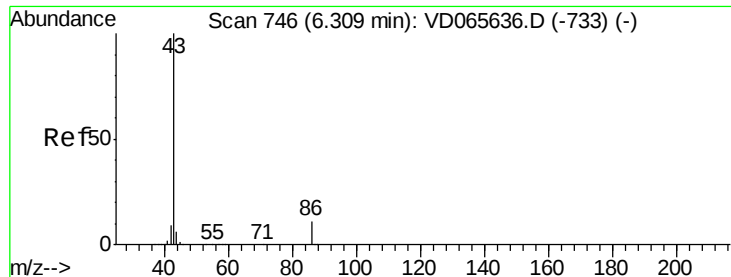
43 53.5 42.2 63.2

87 27.4 22.1 33.1

59 10.9 9.8 14.6

Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 209.444 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 845109

Ion Ratio Lower Upper

43 100

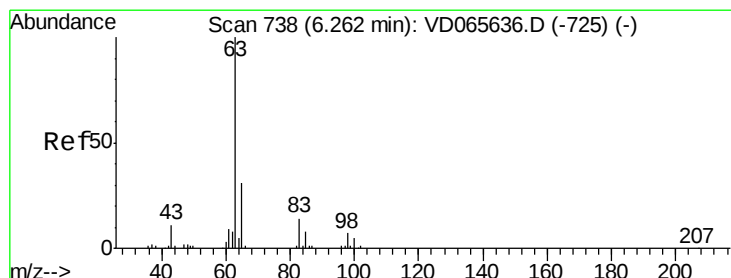
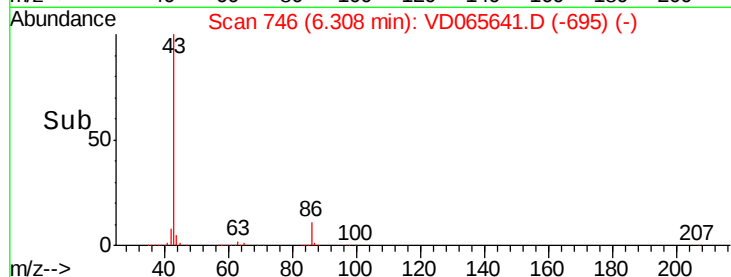
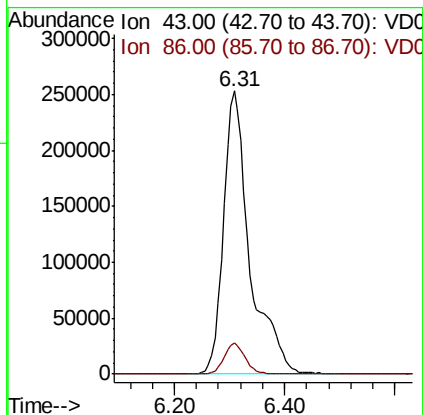
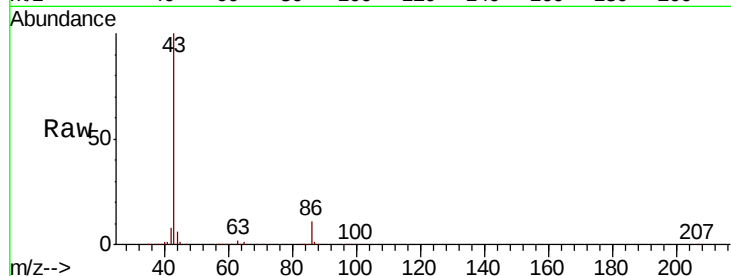
86 11.0 8.7 13.1

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#24

1,1-Dichloroethane

Concen: 43.939 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

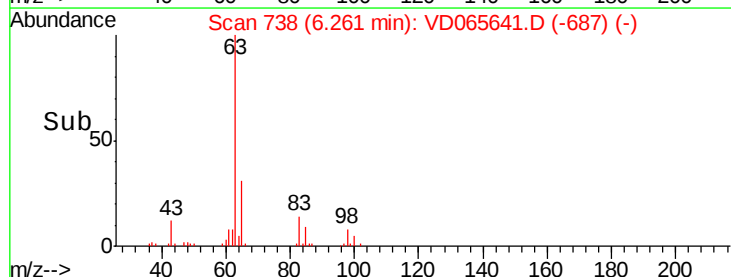
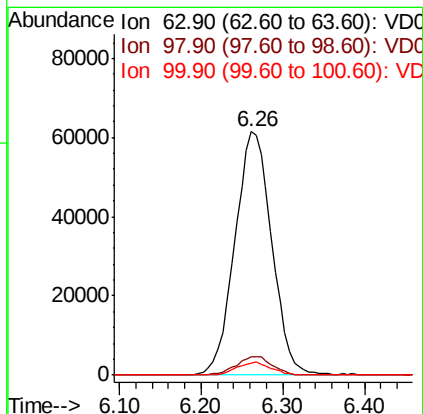
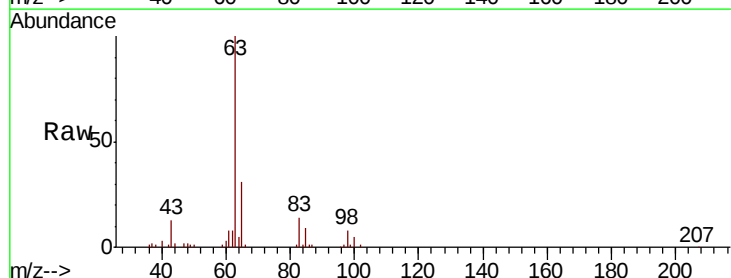
Tgt Ion: 63 Resp: 192759

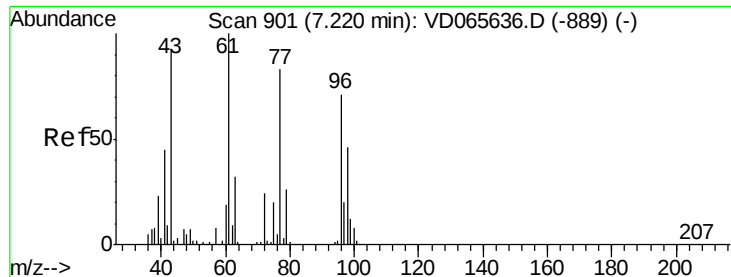
Ion Ratio Lower Upper

63 100

98 7.6 3.6 10.8

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 231.472 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 137060

Ion Ratio Lower Upper

43 100

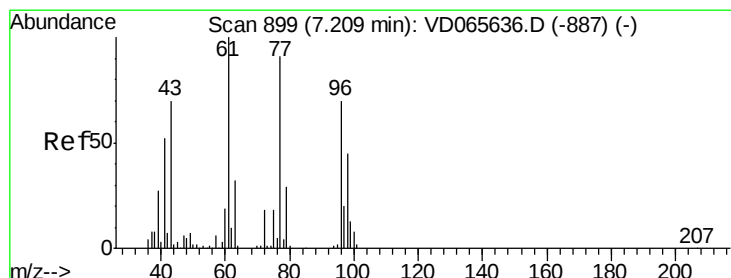
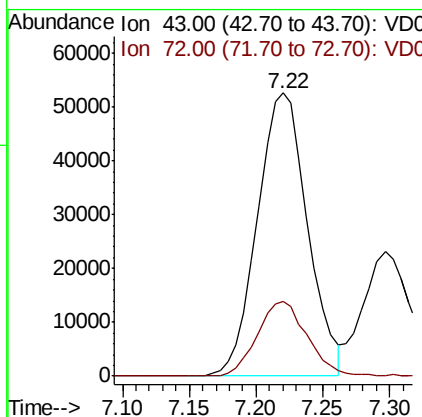
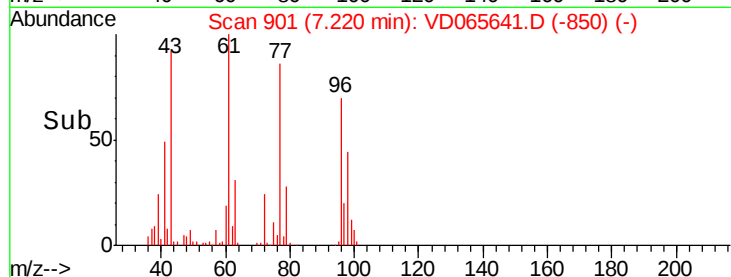
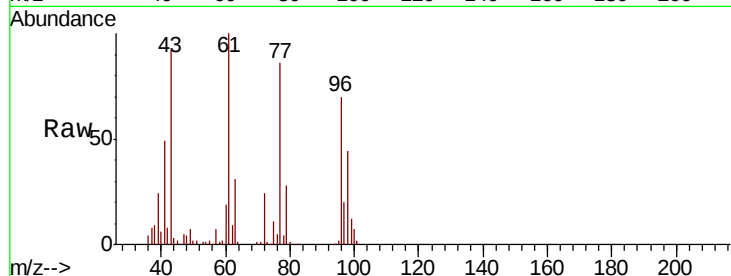
72 26.4 20.5 30.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.098 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065641.D

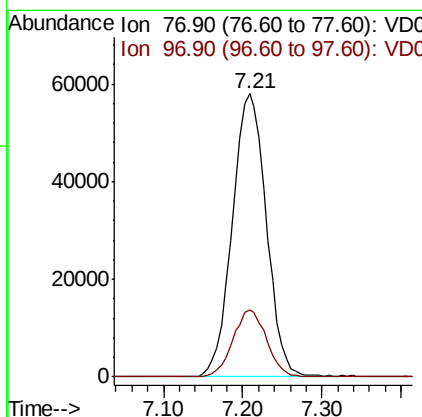
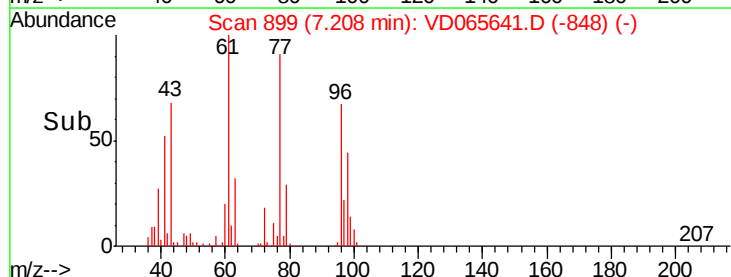
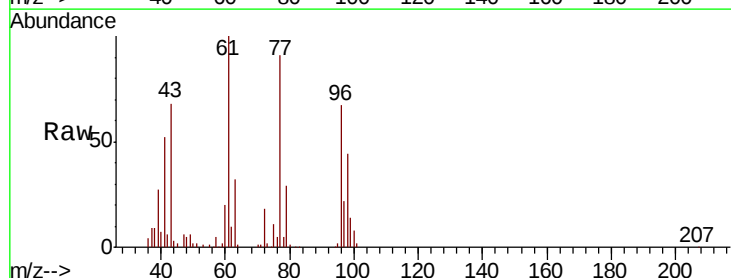
Acq: 17 Apr 2020 13:16

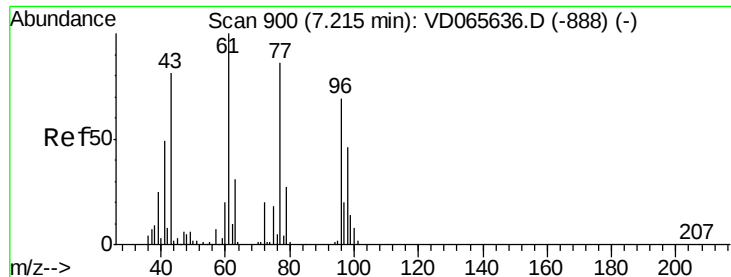
Tgt Ion: 77 Resp: 172441

Ion Ratio Lower Upper

77 100

97 23.3 11.5 34.5





#27

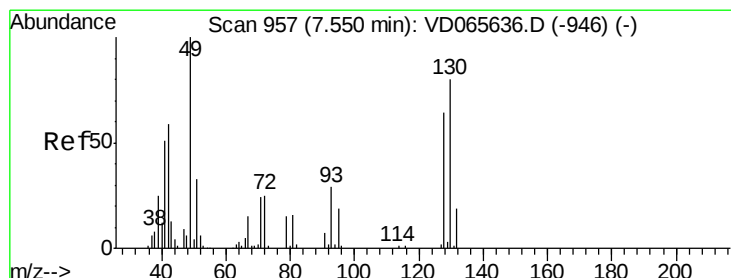
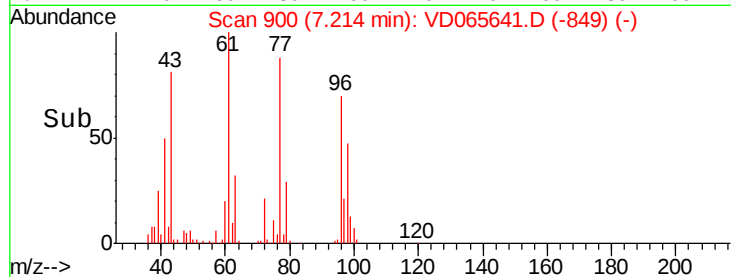
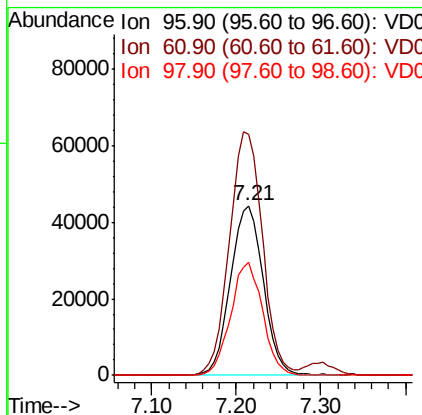
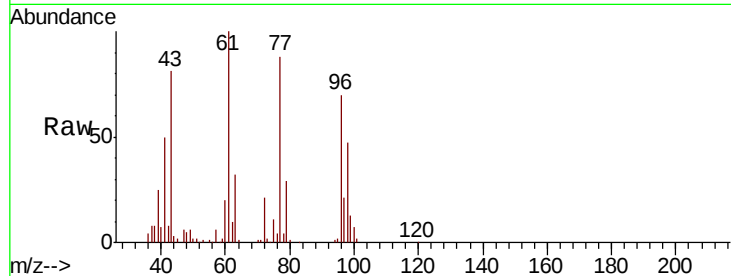
cis-1,2-Dichloroethene
Concen: 44.210 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	119233		
61	144.4	0.0	286.2	
98	64.3	0.0	128.0	

Manual Integrations
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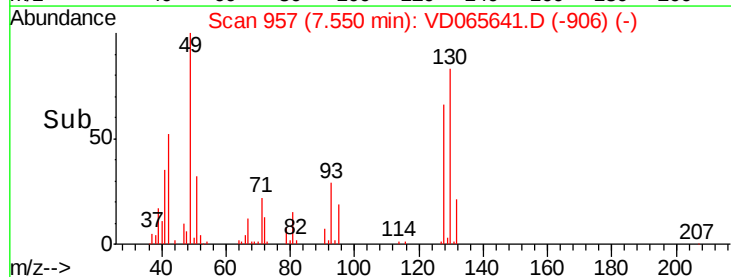
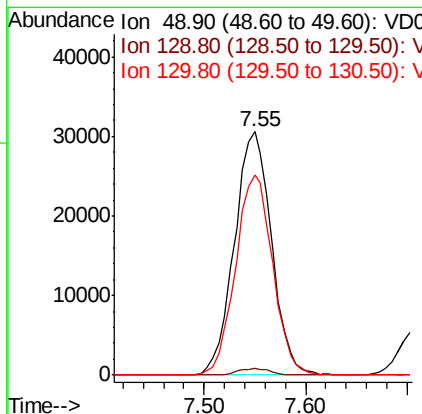
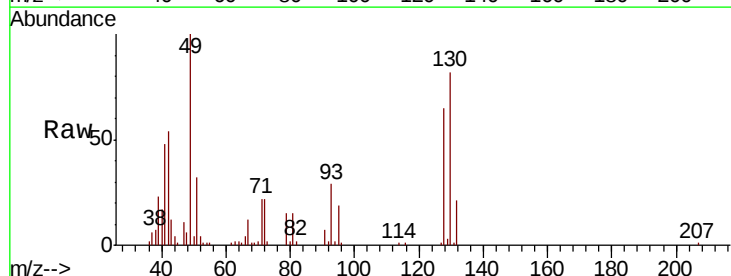
MMDadoda
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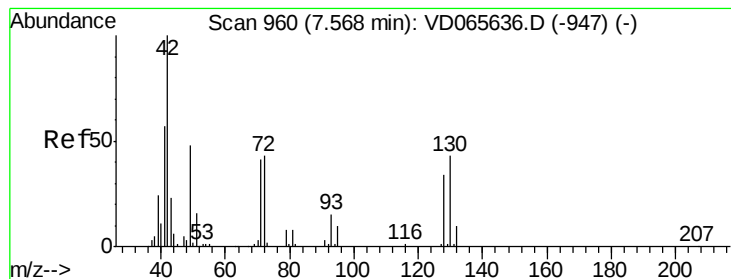


#28

Bromochloromethane
Concen: 44.216 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	77470		
129	2.3	0.0	4.2	
130	82.2	66.2	99.2	





#29

Tetrahydrofuran

Concen: 217.100 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

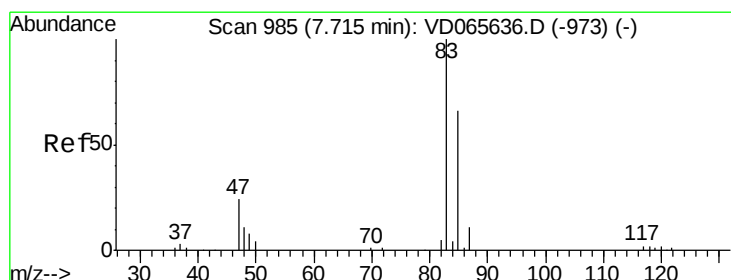
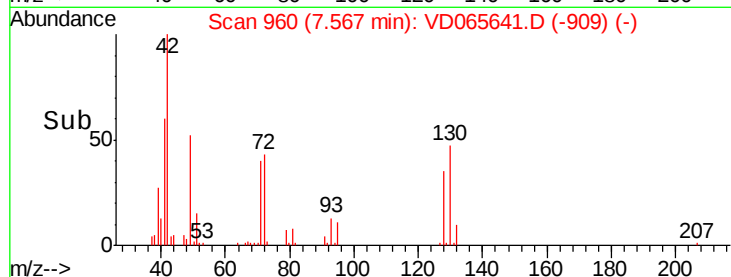
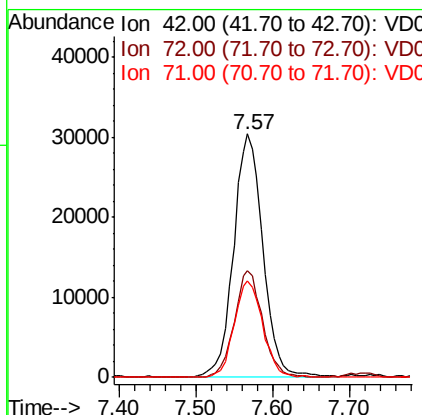
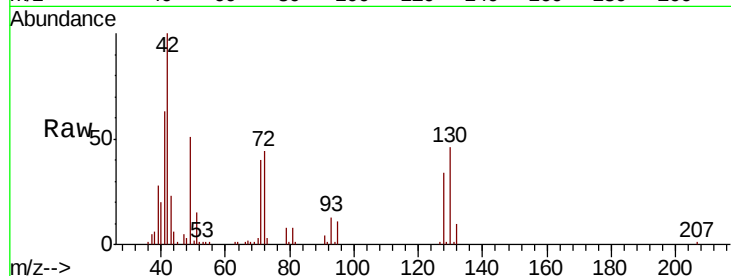
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	81565
Ion	Ratio	Lower	Upper
42	100		
72	41.7	34.4	51.6
71	38.0	31.4	47.0

Manual Integrations
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#30

Chloroform

Concen: 42.482 ug/l

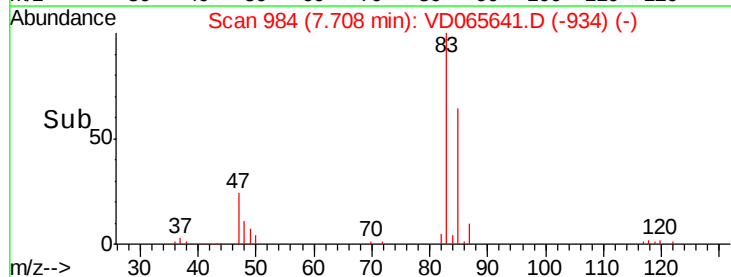
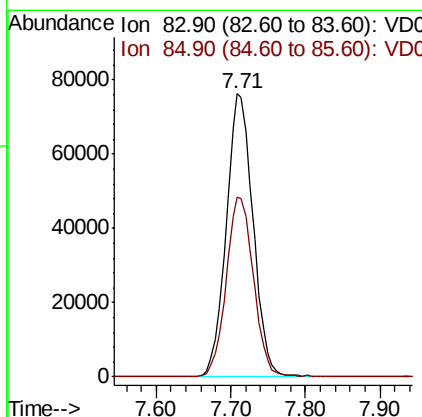
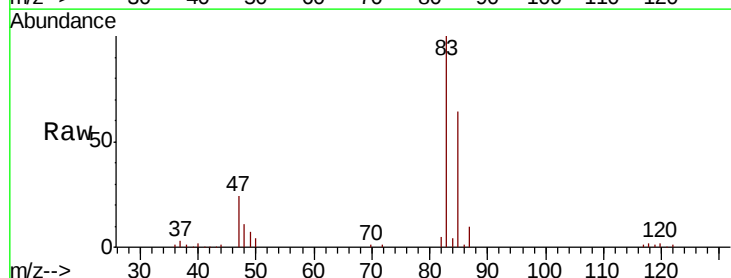
RT: 7.71 min Scan# 984

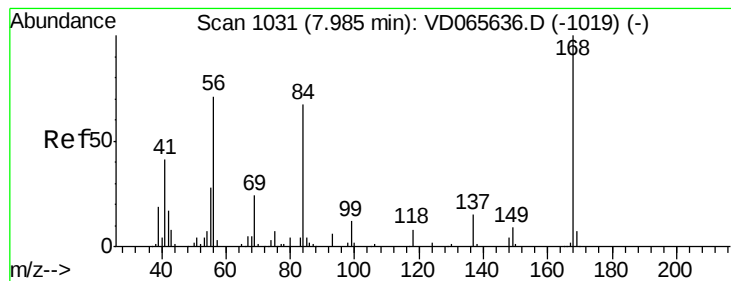
Delta R.T. -0.01 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Tgt Ion:	83	Resp:	190737
Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.6	78.8





#31

Cyclohexane

Concen: 44.410 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

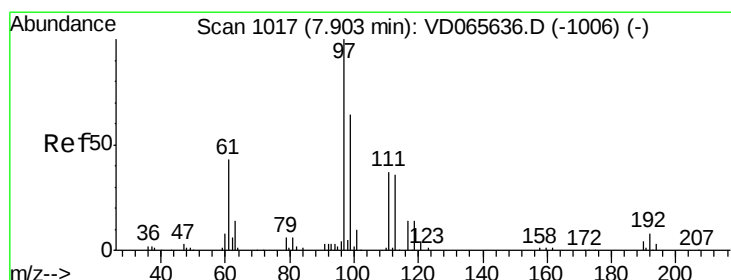
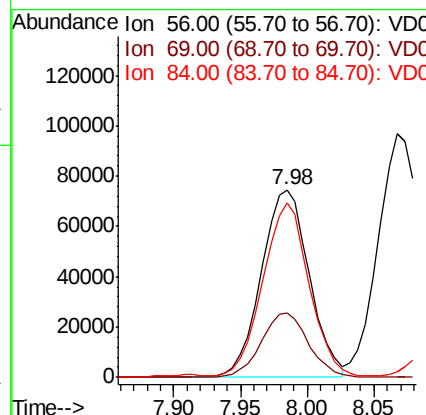
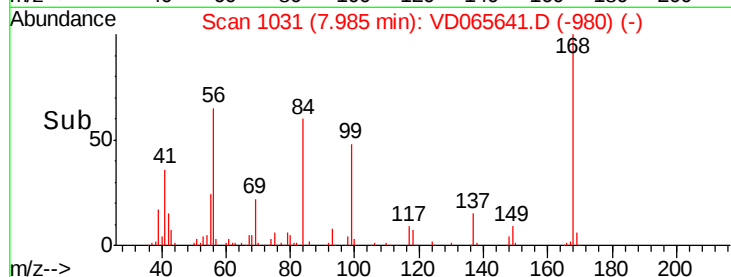
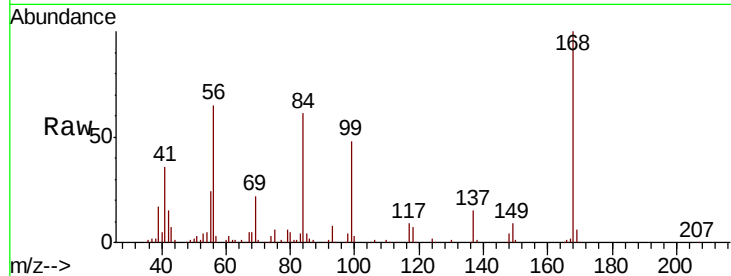
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	185586
Ion Ratio	Lower	Upper	
56	100		
69	34.2	26.6	40.0
84	91.3	75.3	112.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 44.420 ug/l

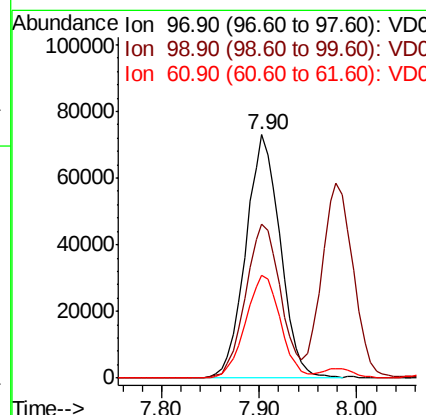
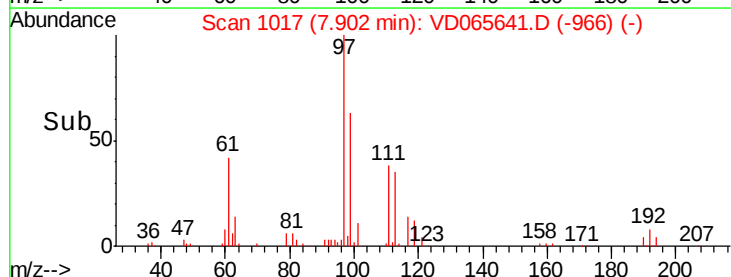
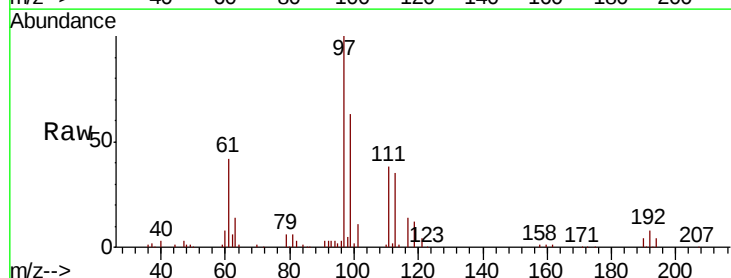
RT: 7.90 min Scan# 1017

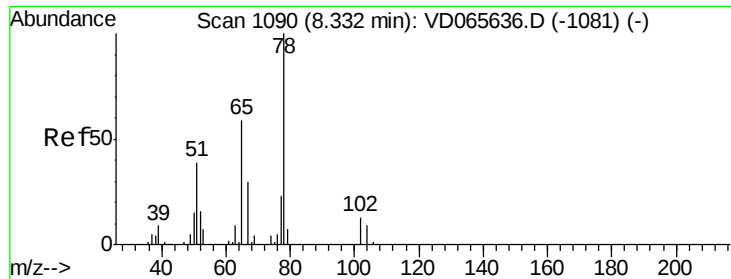
Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Tgt Ion:	97	Resp:	179320
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.5	77.3
61	42.9	34.8	52.2





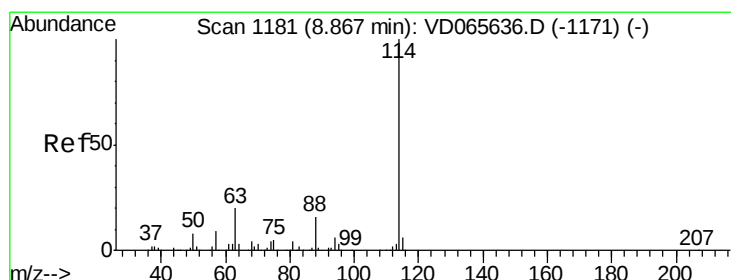
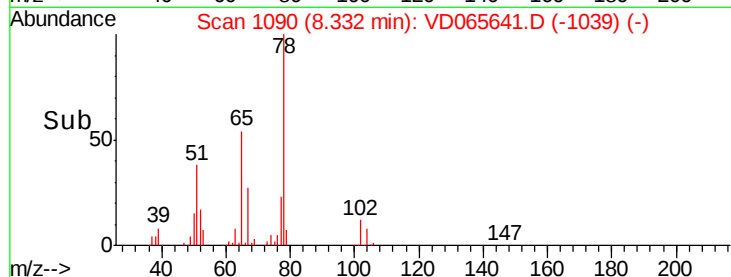
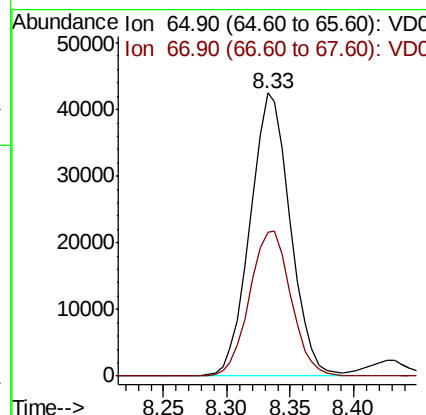
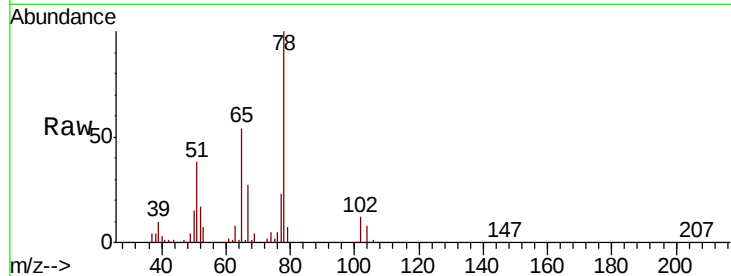
#33
 1,2-Dichloroethane-d4
 Concen: 42.136 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.9	0.0	105.8	

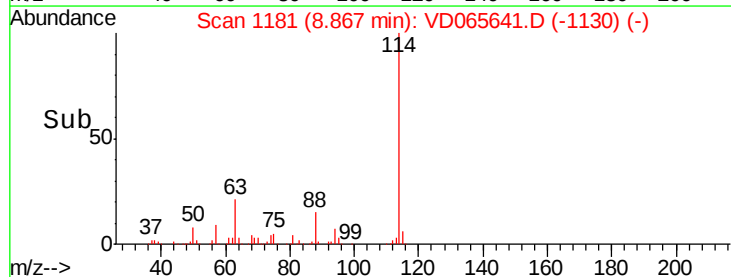
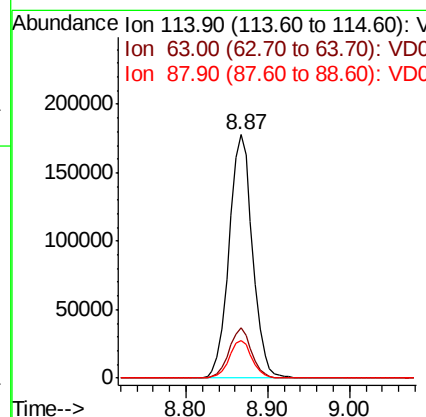
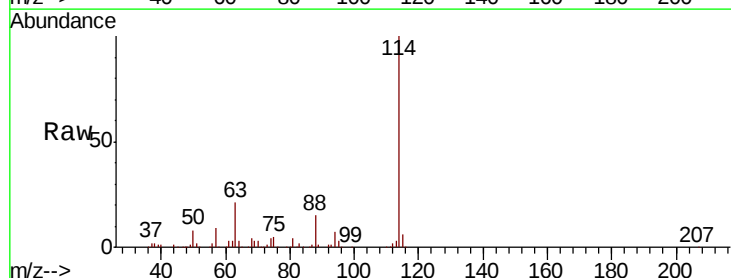
Manual Integrations
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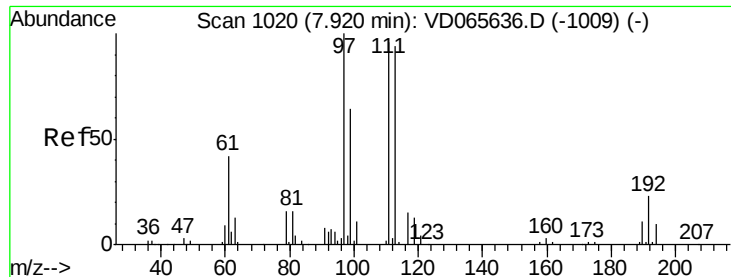
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.5	0.0	40.8	
88	15.2	0.0	31.6	





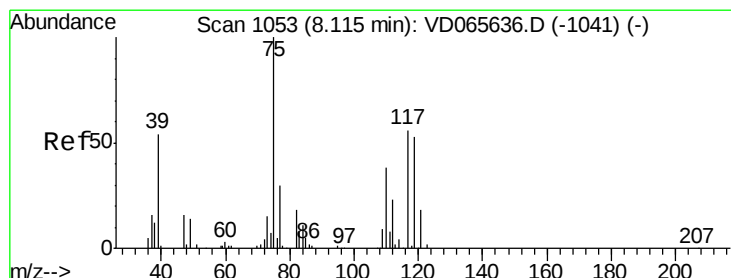
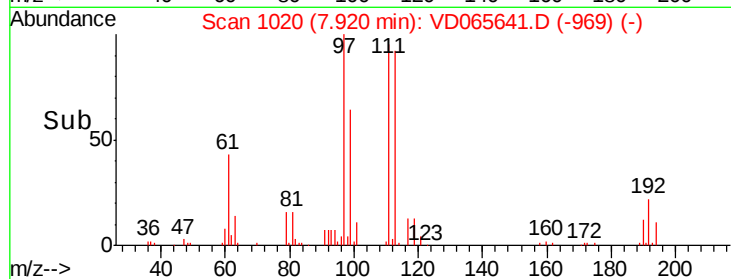
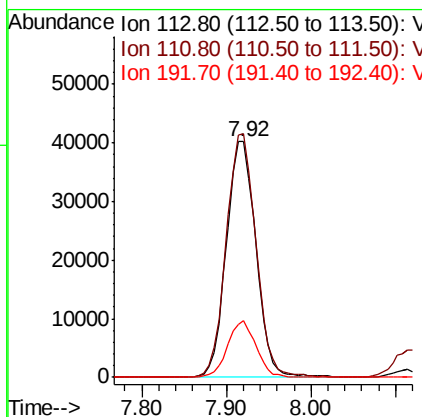
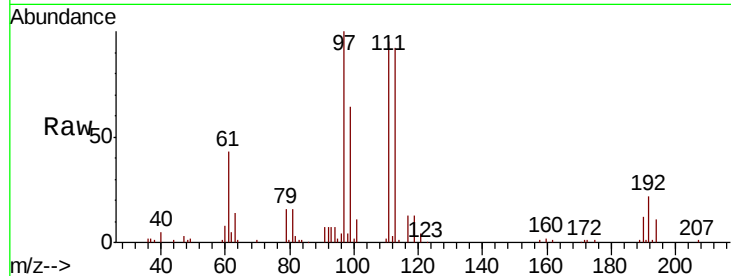
#35
 Dibromofluoromethane
 Concen: 44.031 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	97316		
111	103.4	81.9	122.9	
192	22.8	18.9	28.3	

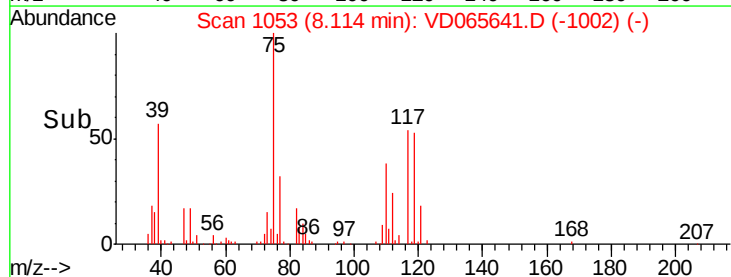
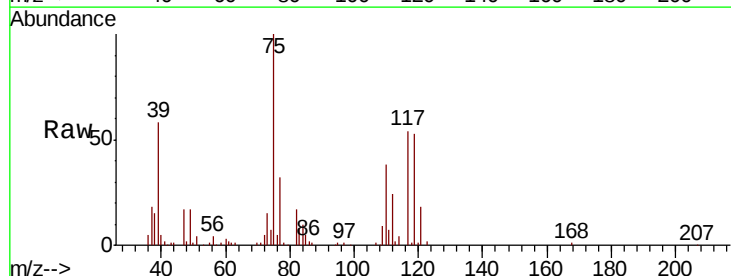
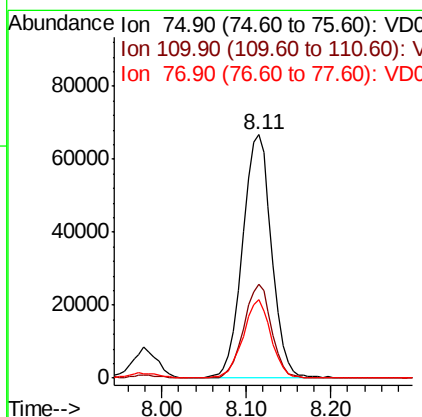
Manual Integrations
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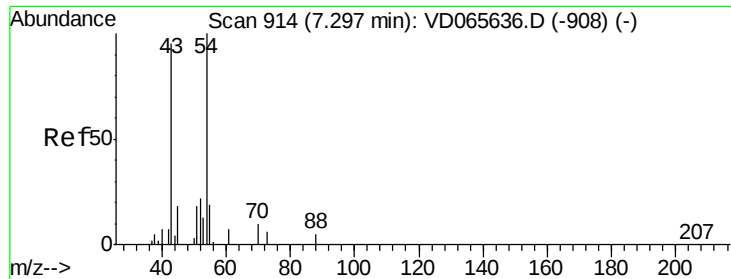
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#36
 1,1-Dichloropropene
 Concen: 46.582 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	159730		
110	36.7	18.3	54.8	
77	30.9	24.6	37.0	





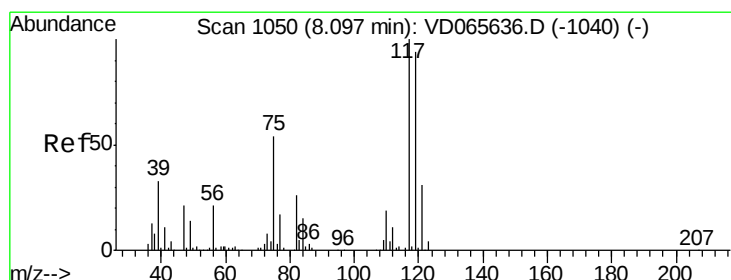
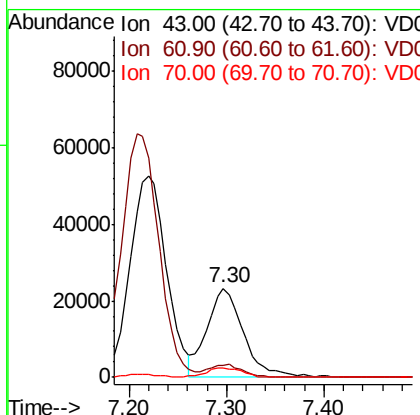
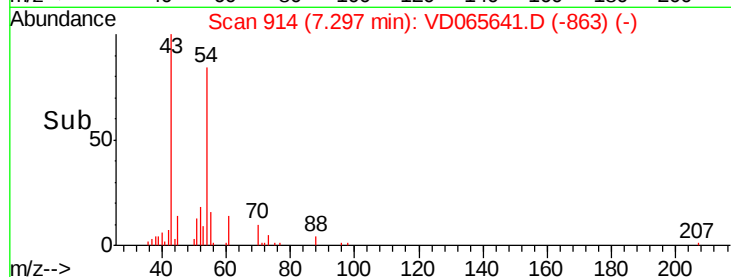
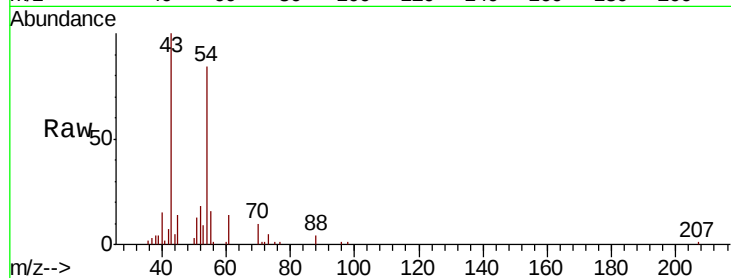
#37
Ethyl Acetate
Concen: 43.759 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.9	16.3
70	10.3	7.9	11.9

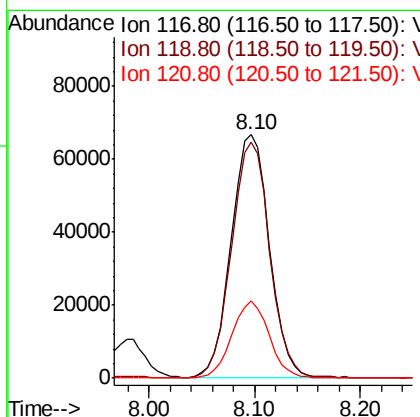
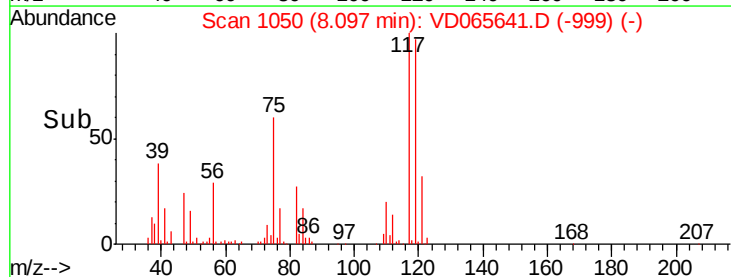
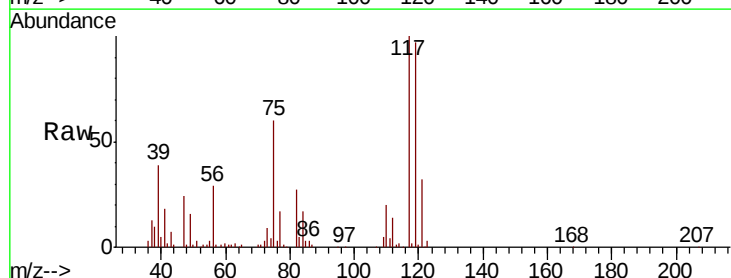
Manual Integrations
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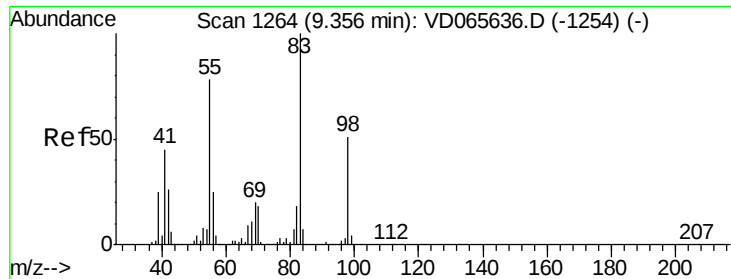
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#38
Carbon Tetrachloride
Concen: 45.891 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.3	112.9
121	31.6	24.9	37.3





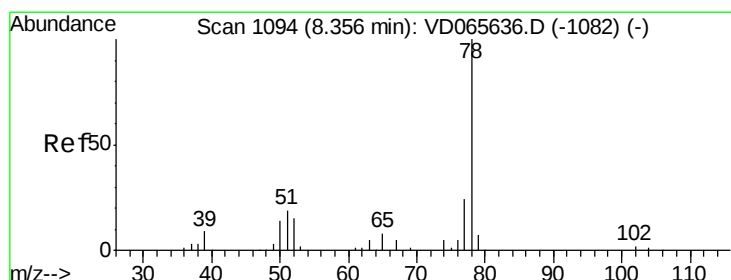
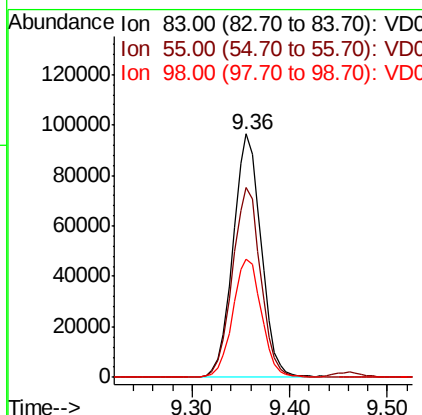
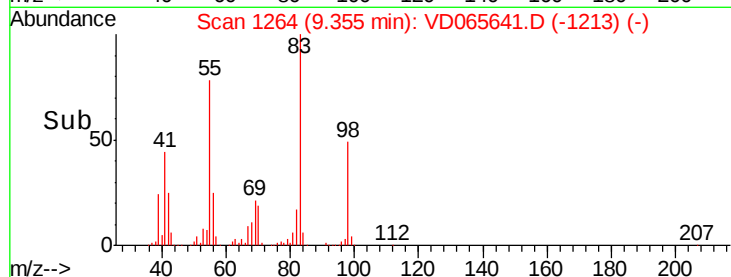
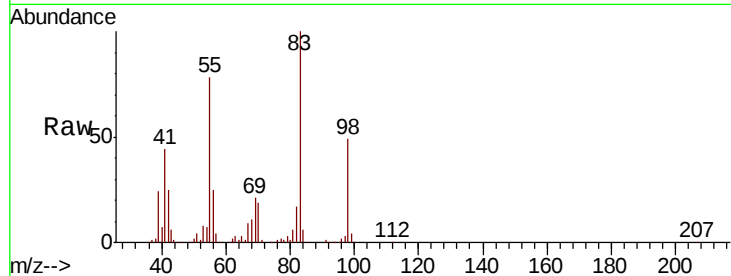
#39
Methvlcvclohexane
Concen: 48.433 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	193259		
55	78.2	62.3	93.5	
98	48.8	40.5	60.7	

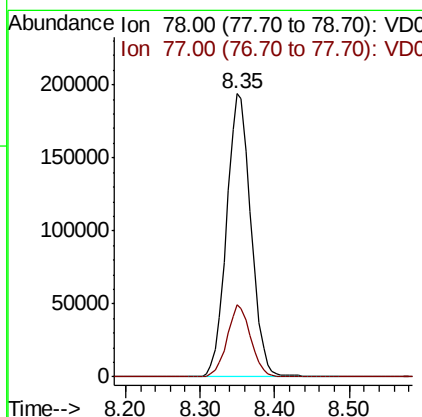
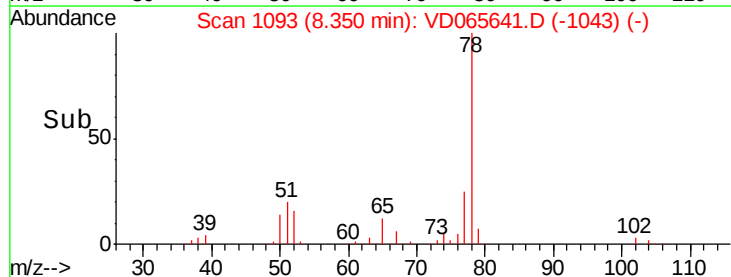
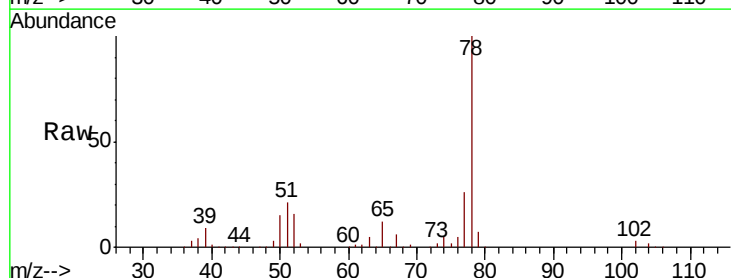
Manual Integrations
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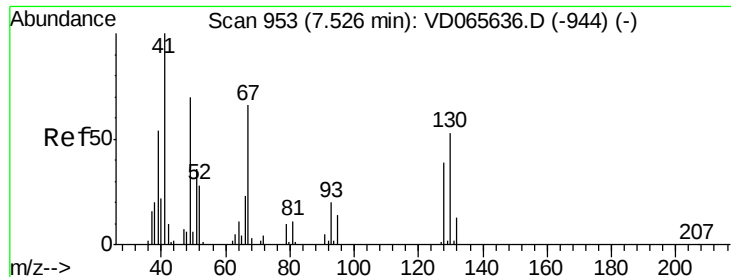
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#40
Benzene
Concen: 44.721 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	440899		
77	25.6	18.9	28.3	





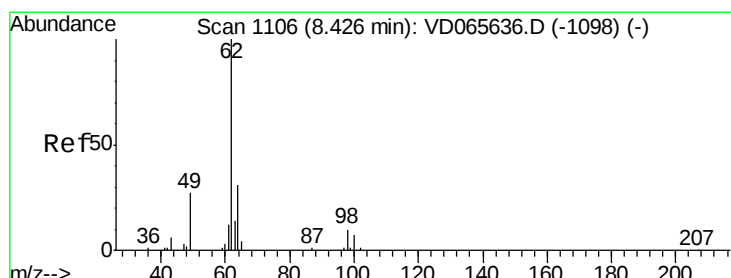
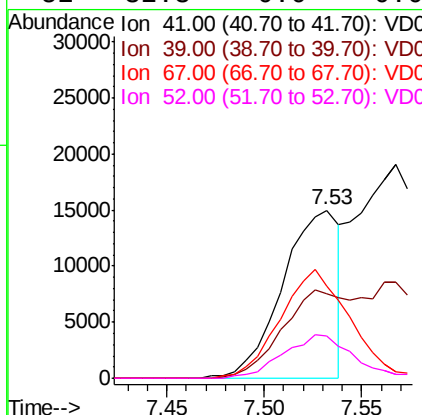
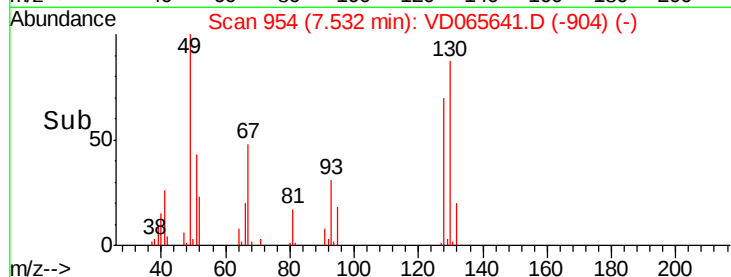
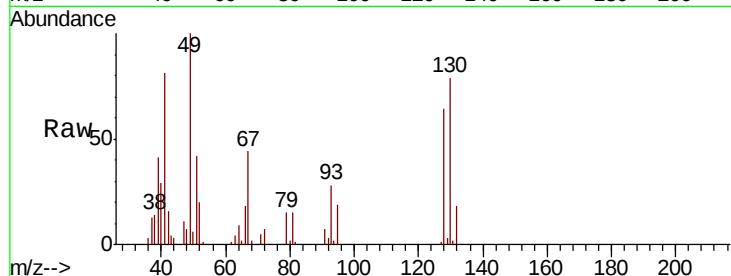
#41
Methacrylonitrile
Concen: 44.744 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100	30304		
39	60.4	0.0	0.0	#
67	78.7	0.0	0.0	#
52	32.3	0.0	0.0	#

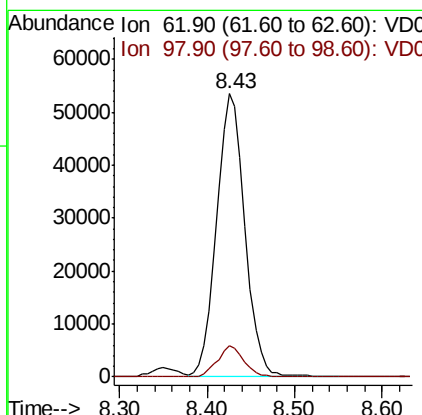
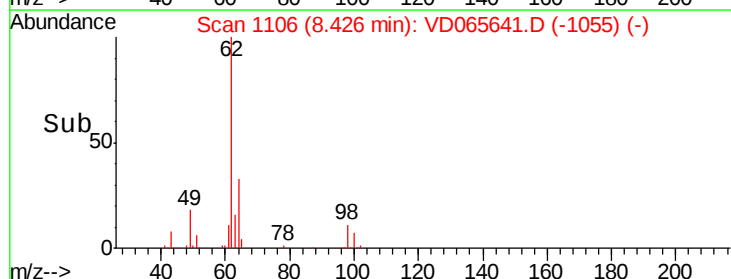
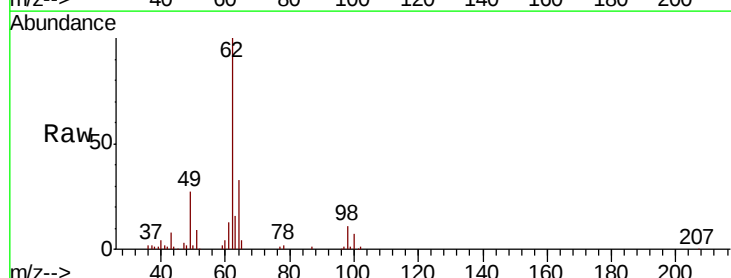
Manual Integrations
APPROVED

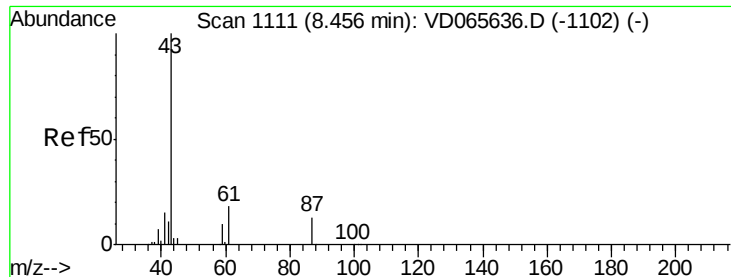
MMDadoda
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#42
1,2-Dichloroethane
Concen: 44.340 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	119804		
98	10.1	0.0	20.6	





#43

Isopropyl Acetate

Concen: 43.280 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

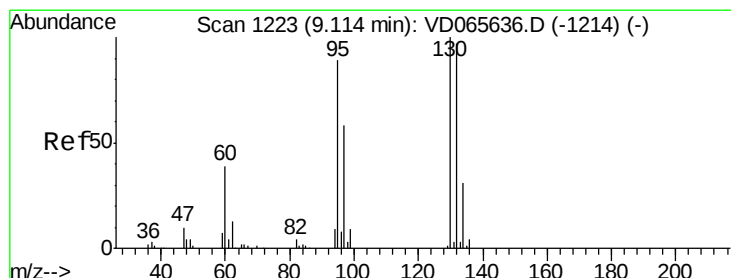
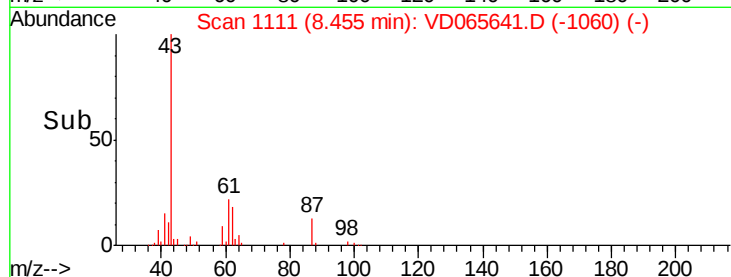
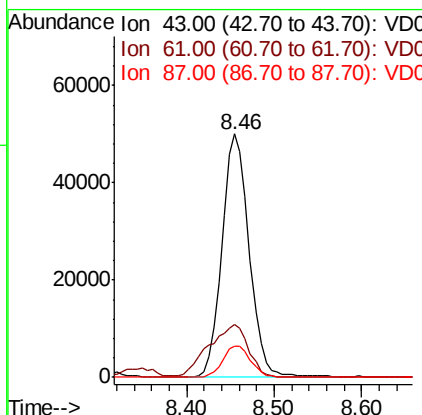
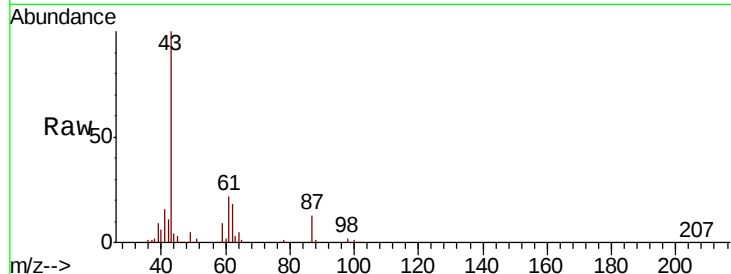
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	106576
Ion	Ratio	Lower	Upper
43	100		
61	32.0	25.0	37.6
87	13.1	9.9	14.9

Manual Integrations
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#44

Trichloroethene

Concen: 45.147 ug/l

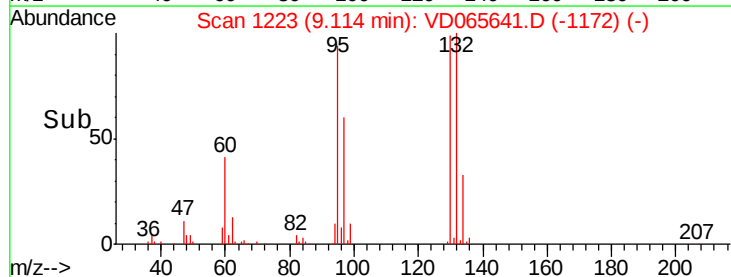
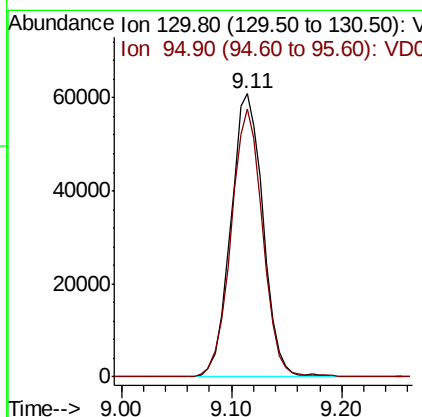
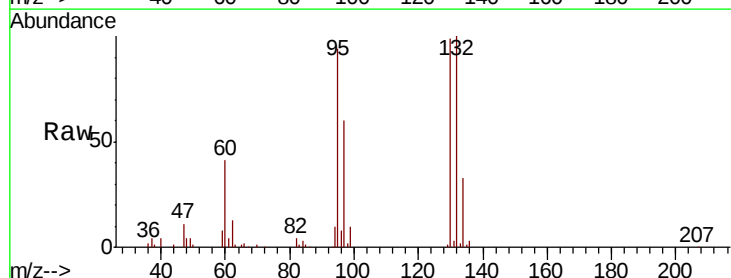
RT: 9.11 min Scan# 1223

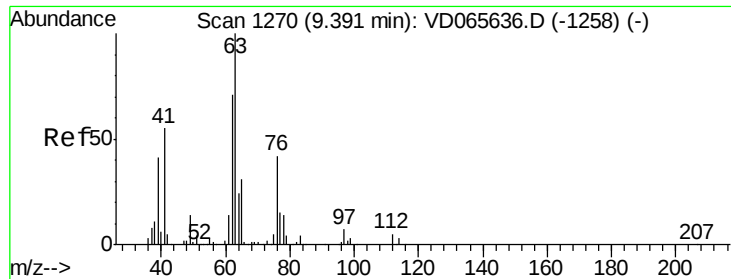
Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Tgt Ion:	130	Resp:	124594
Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	178.4





#45

1,2-Dichloropropane

Concen: 44.842 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 108500

Ion Ratio Lower Upper

63 100

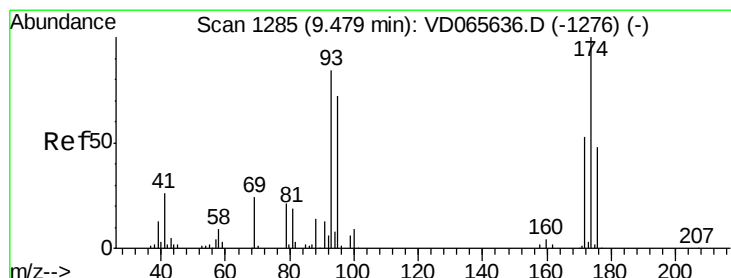
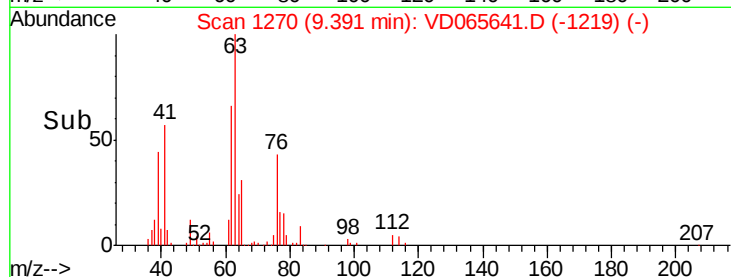
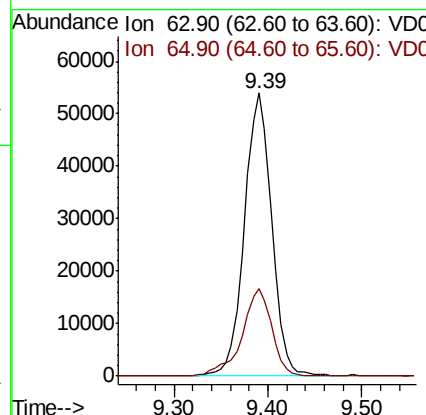
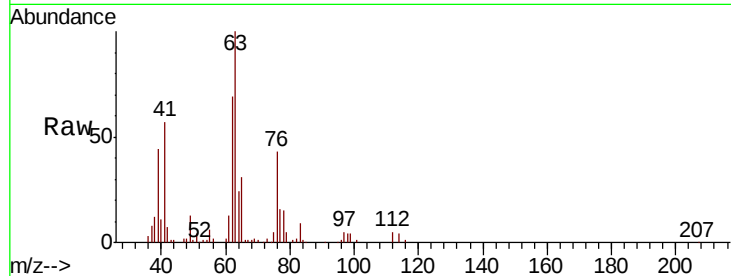
65 31.1 24.7 37.1

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#46

Dibromomethane

Concen: 43.297 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

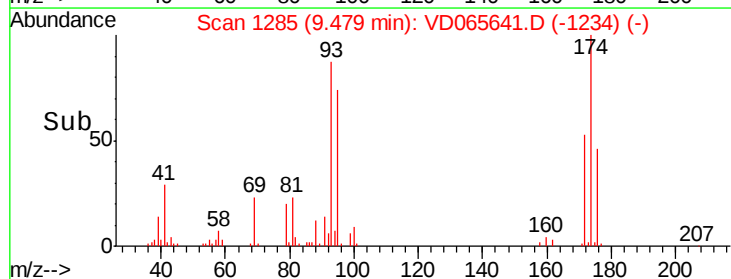
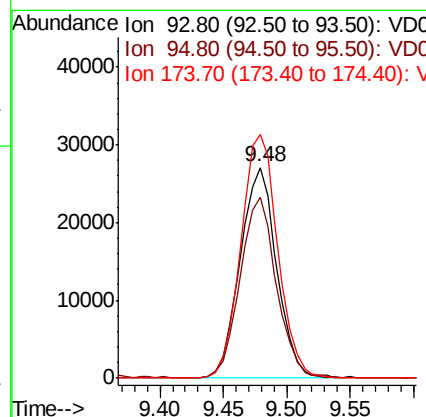
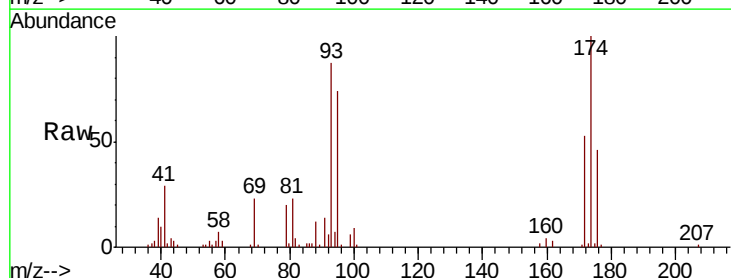
Tgt Ion: 93 Resp: 54175

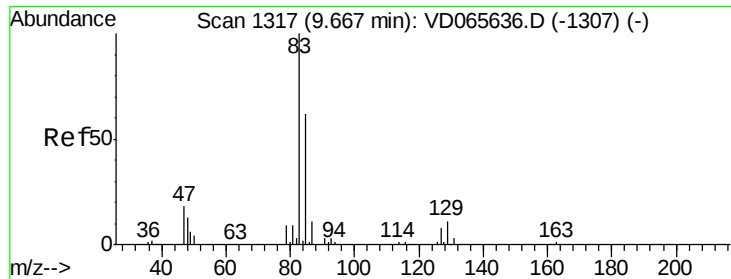
Ion Ratio Lower Upper

93 100

95 84.9 67.4 101.2

174 116.6 94.1 141.1





#47

Bromodichloromethane

Concen: 43.431 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

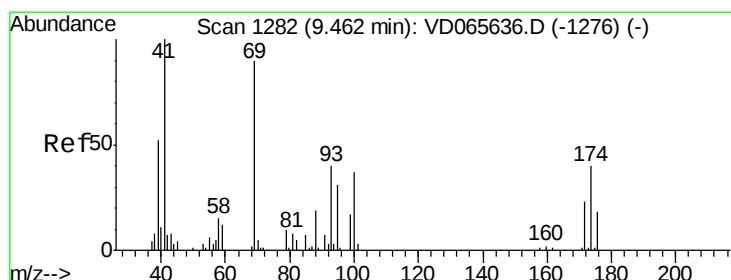
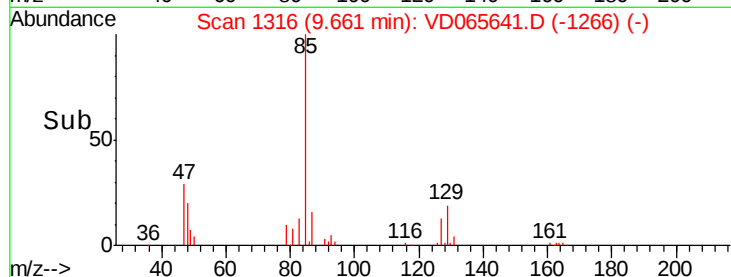
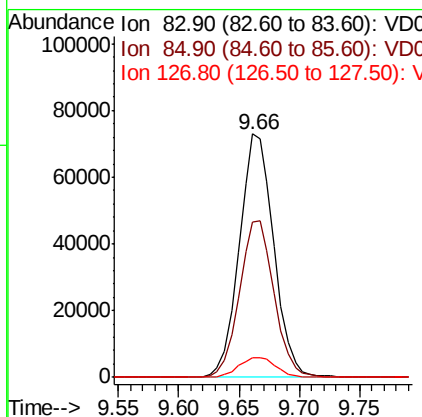
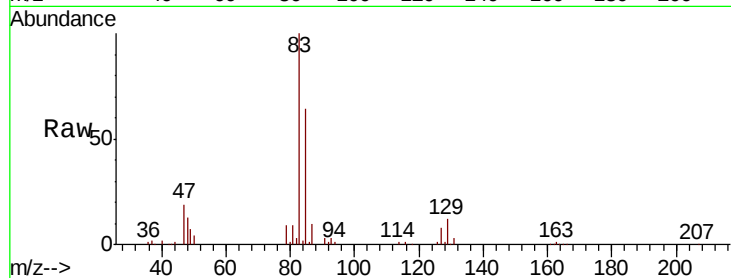
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	144707
Ion	Ratio	Lower	Upper
83	100		
85	63.6	49.8	74.8
127	8.1	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 39.944 ug/l

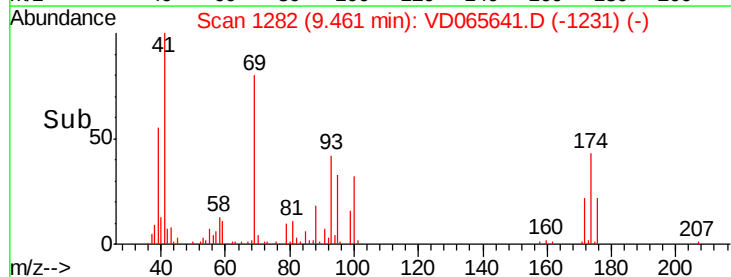
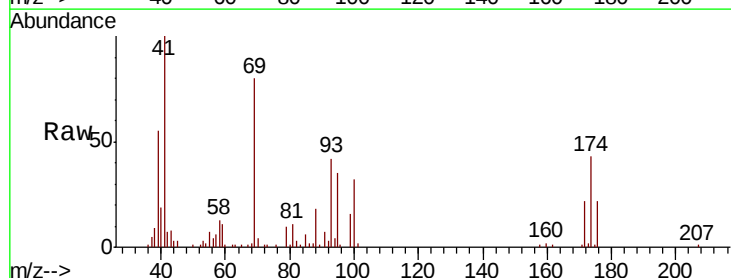
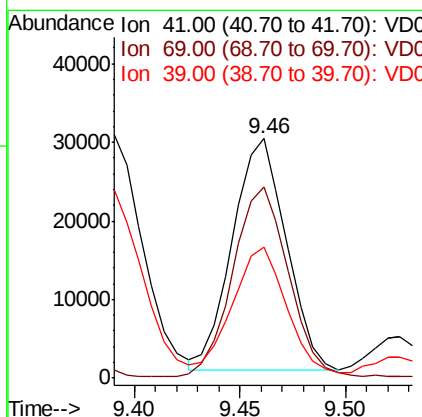
RT: 9.46 min Scan# 1282

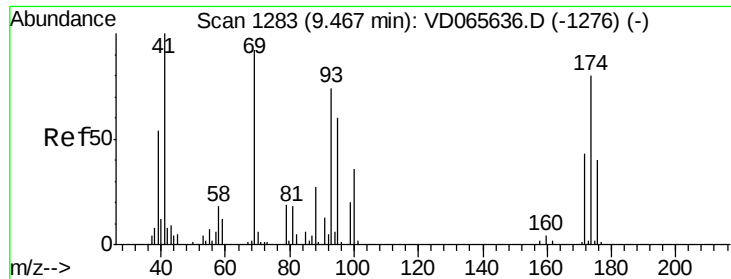
Delta R.T. 0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Tgt Ion:	41	Resp:	52145
Ion	Ratio	Lower	Upper
41	100		
69	86.8	66.8	100.2
39	53.7	39.6	59.4





#49

1,4-Dioxane

Concen: 813.783 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

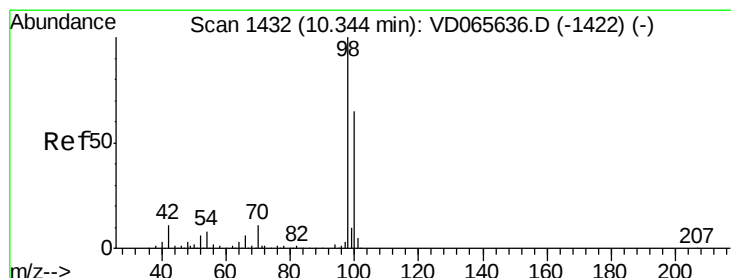
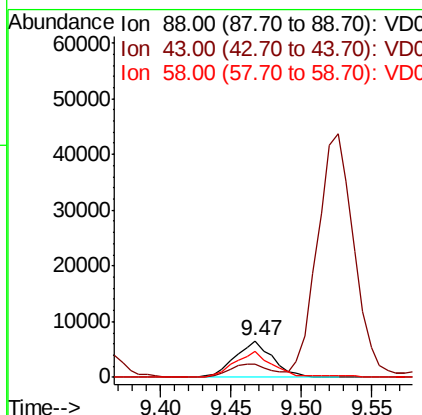
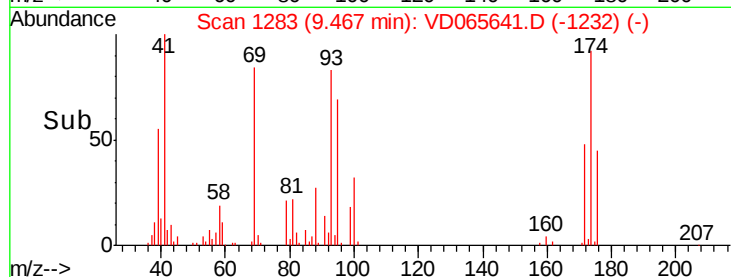
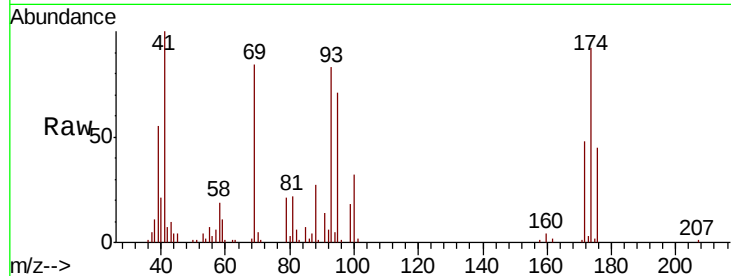
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	12304
Ion	Ratio	Lower	Upper
88	100		
43	38.4	28.1	42.1
58	68.6	55.7	83.5

Manual Integrations
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#50

Toluene-d8

Concen: 46.341 ug/l

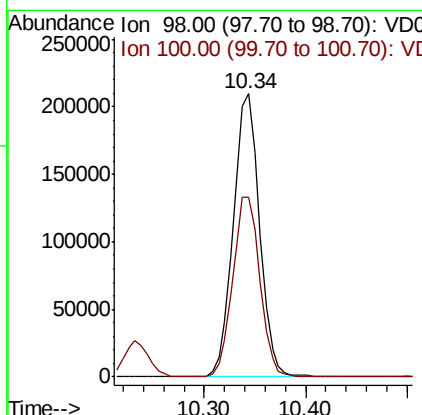
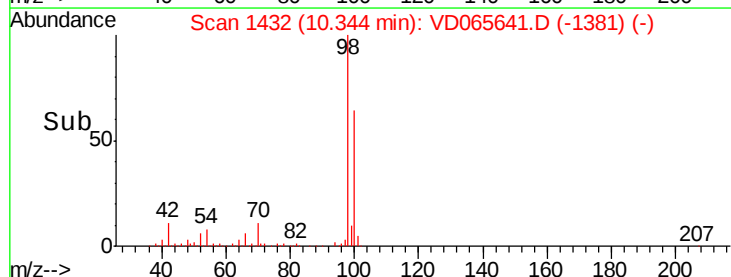
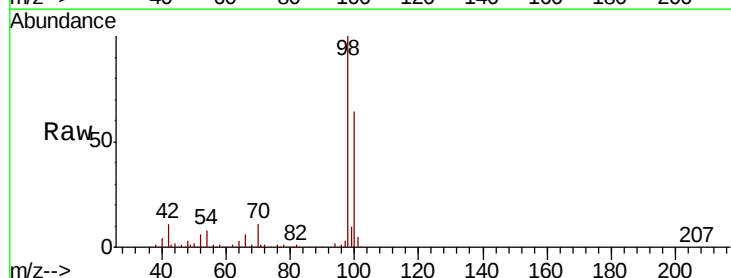
RT: 10.34 min Scan# 1432

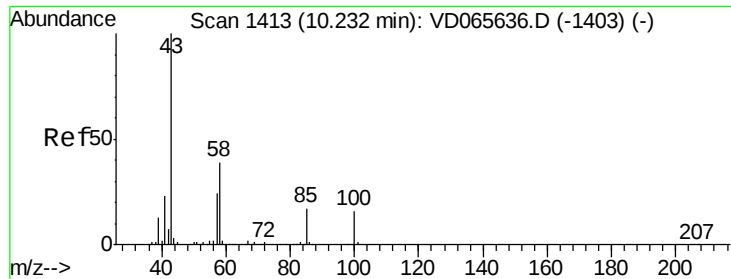
Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Tgt Ion:	98	Resp:	377561
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.4	78.6





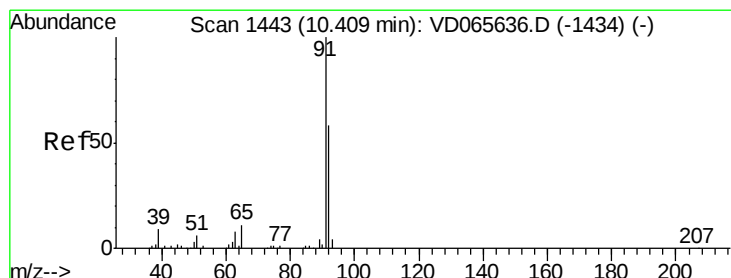
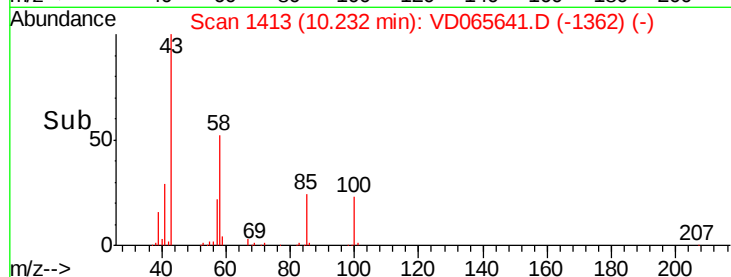
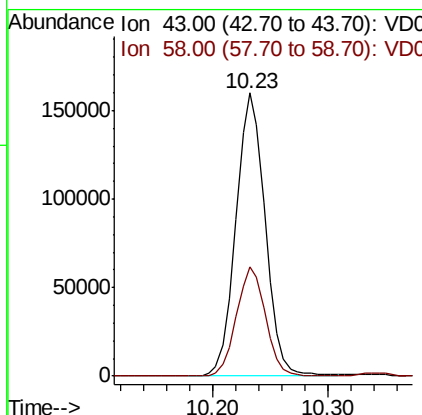
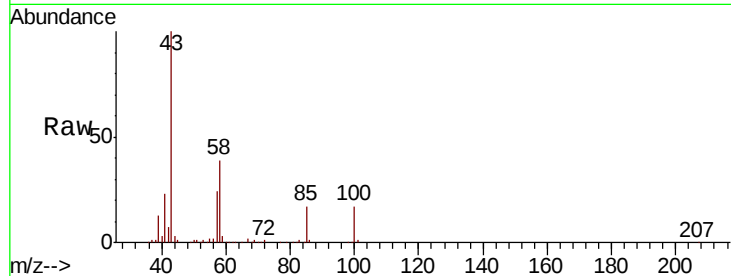
#51
4-Methyl-2-Pentanone
Concen: 205.702 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	280362
Ion Ratio	100	Lower	Upper
58	38.3	31.1	46.7

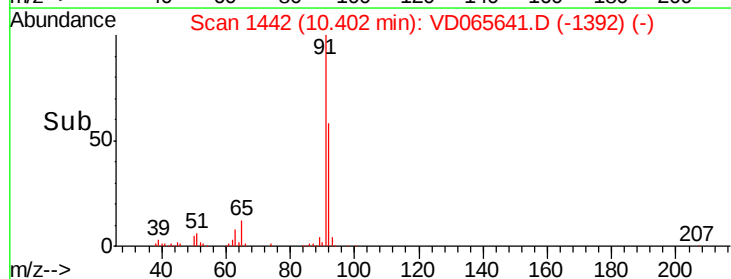
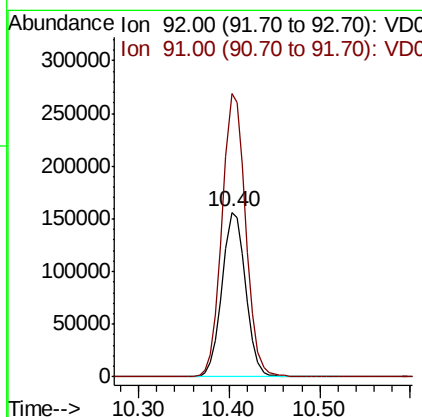
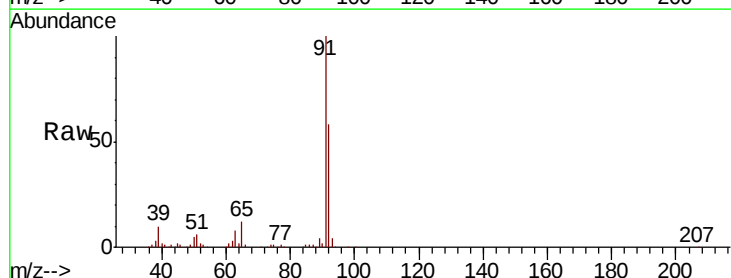
Manual Integrations
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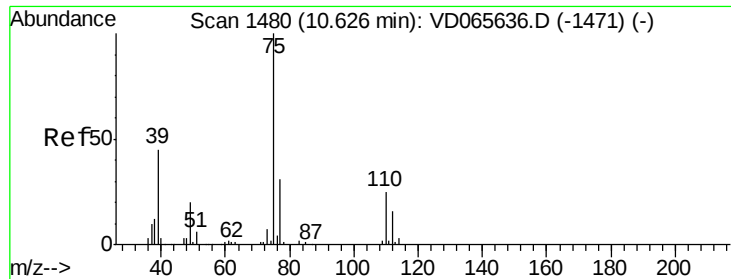
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#52
Toluene
Concen: 46.623 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion	92	Resp	283358
Ion Ratio	100	Lower	Upper
91	171.8	136.6	205.0





#53

t-1,3-Dichloropropene

Concen: 43.570 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 133295

Ion Ratio Lower Upper

75 100

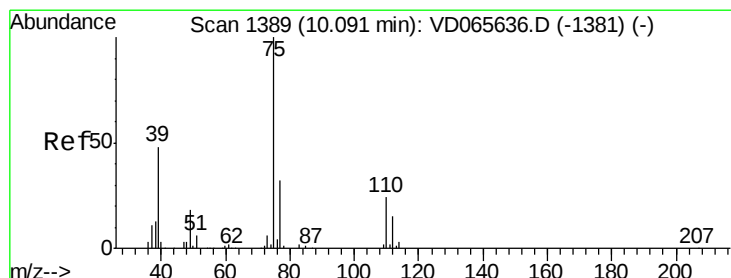
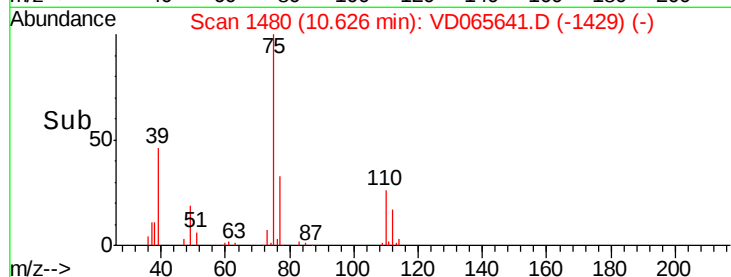
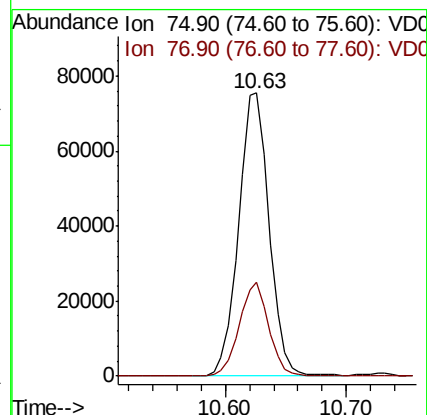
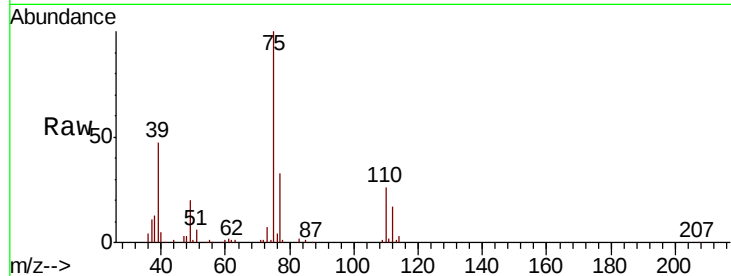
77 33.4 24.8 37.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 44.554 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

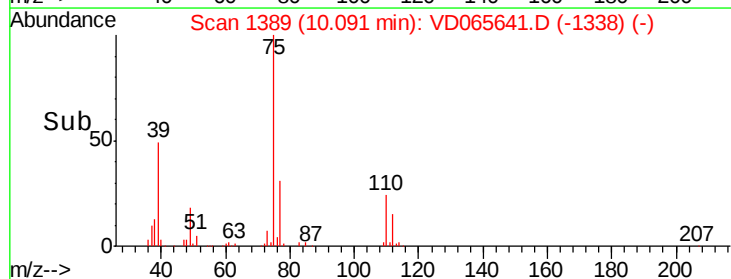
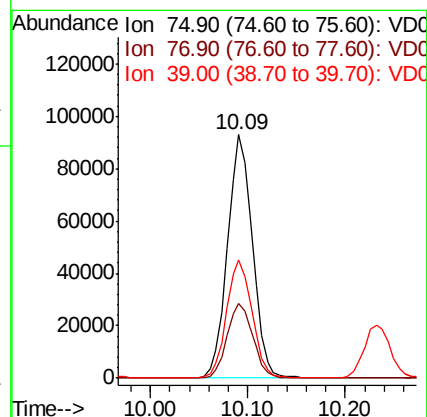
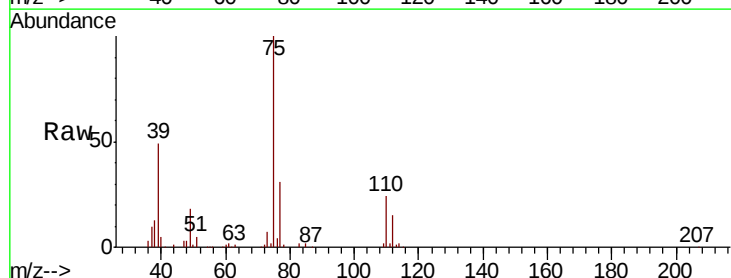
Tgt Ion: 75 Resp: 164965

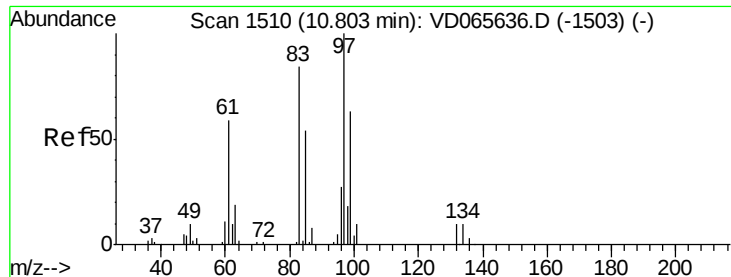
Ion Ratio Lower Upper

75 100

77 30.6 25.2 37.8

39 48.8 38.7 58.1





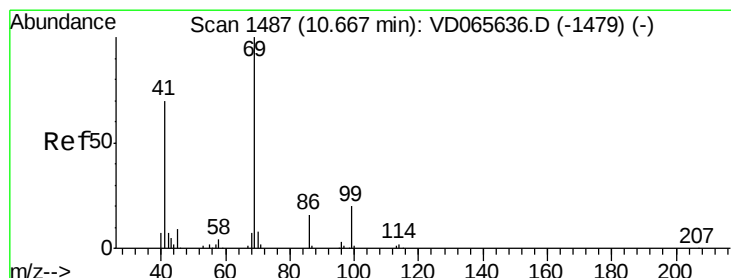
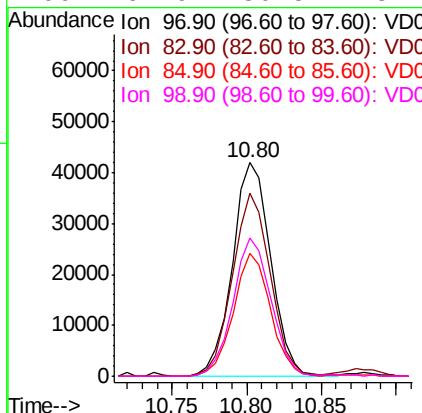
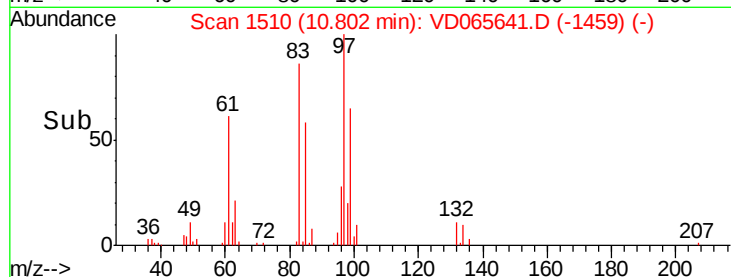
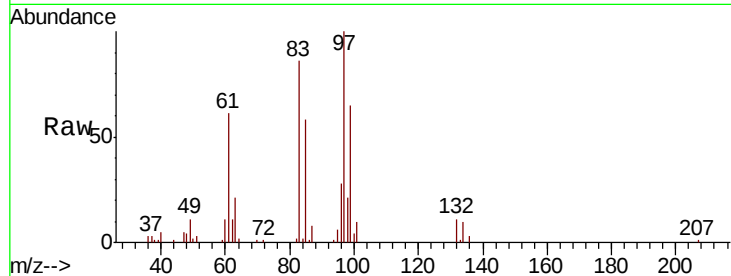
#55
 1,1,2-Trichloroethane
 Concen: 42.476 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	85.6	67.4	101.0	
85	57.8	43.4	65.0	
99	64.9	50.5	75.7	

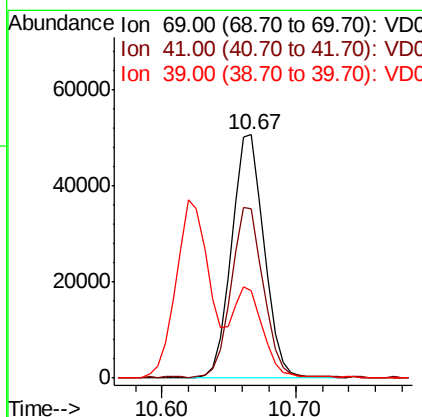
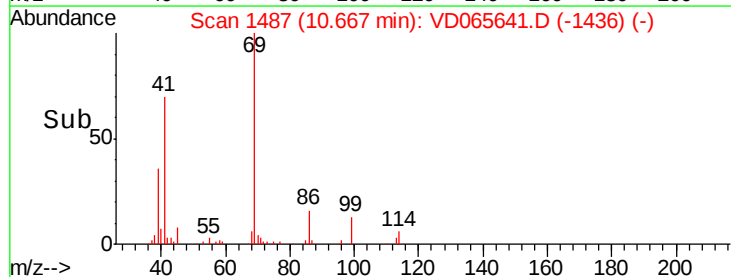
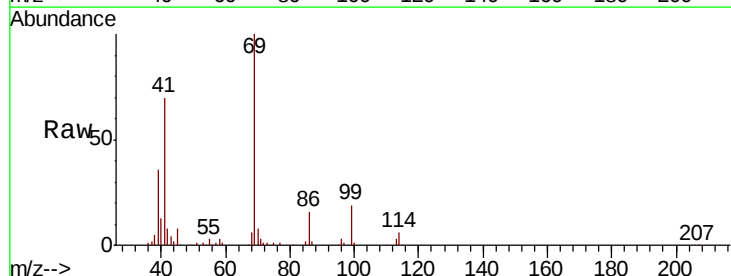
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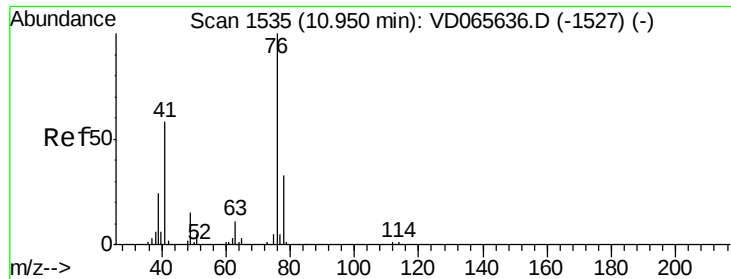
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#56
 Ethyl methacrylate
 Concen: 39.621 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	68.8	56.2	84.4	
39	31.7	26.6	39.8	





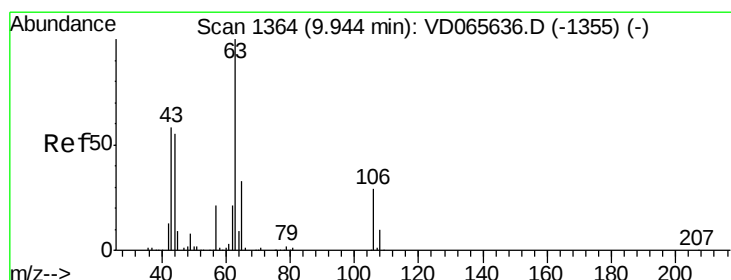
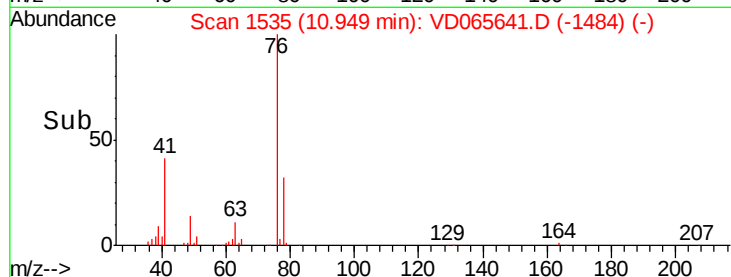
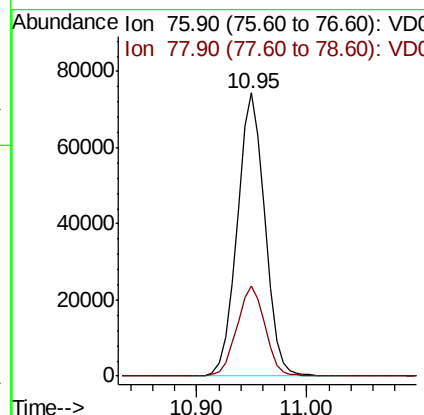
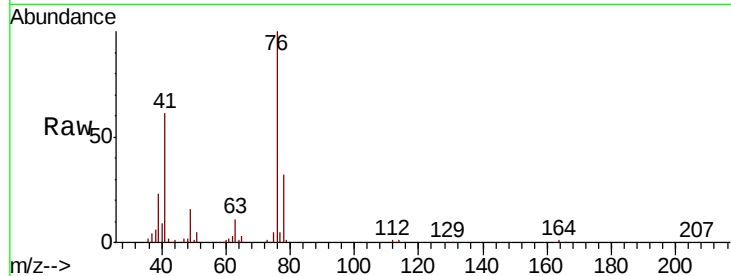
#57
 1,3-Dichloropropane
 Concen: 43.317 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 130539
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.1 39.1

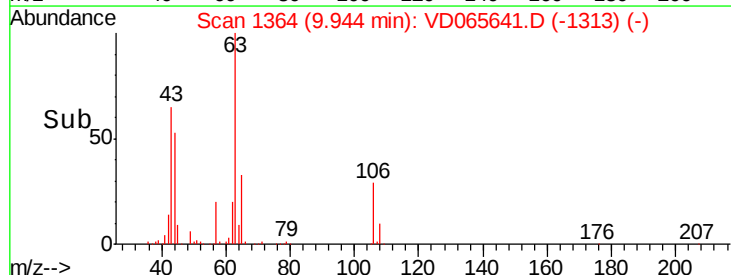
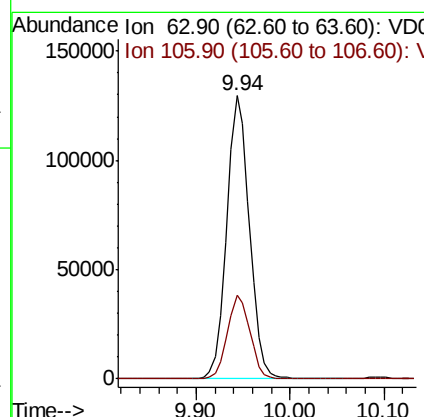
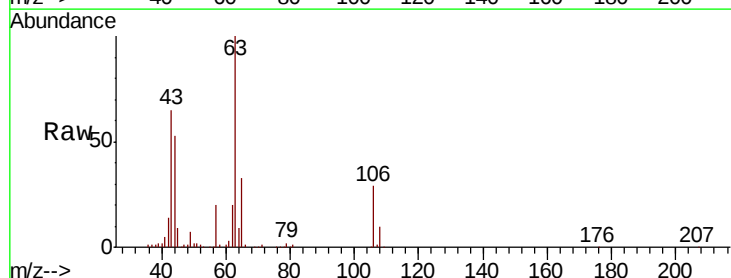
Manual Integrations
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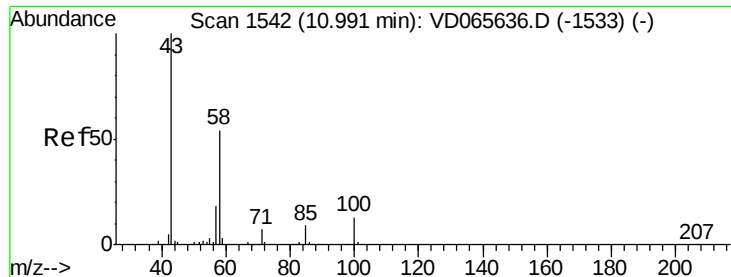
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#58
 2-Chloroethyl Vinyl ether
 Concen: 206.940 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Tgt Ion: 63 Resp: 217630
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.8 35.6





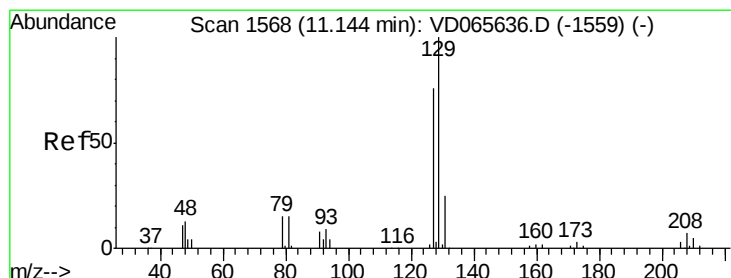
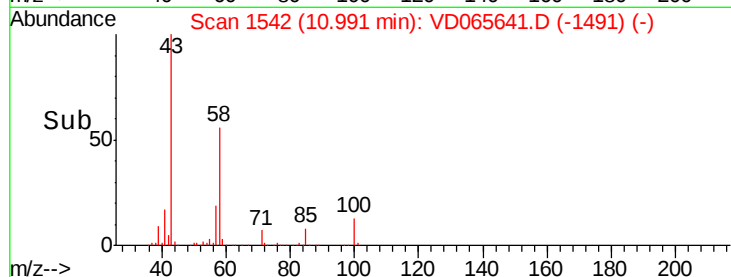
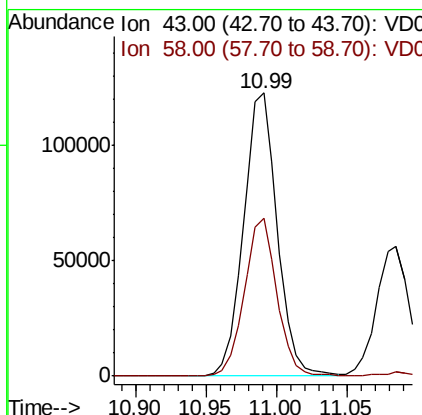
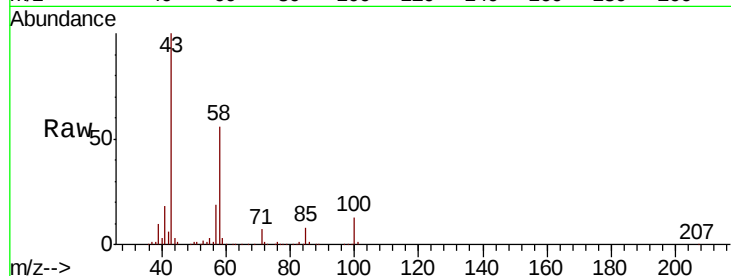
#59
2-Hexanone
Concen: 218.072 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	204682
Ion Ratio	100	Lower	Upper
43	100		
58	54.0	26.5	79.4

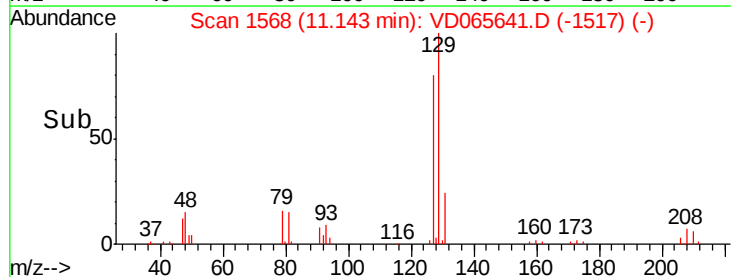
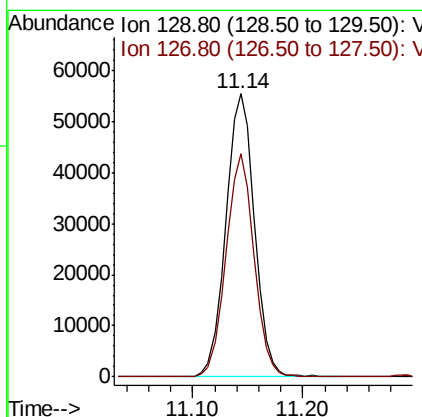
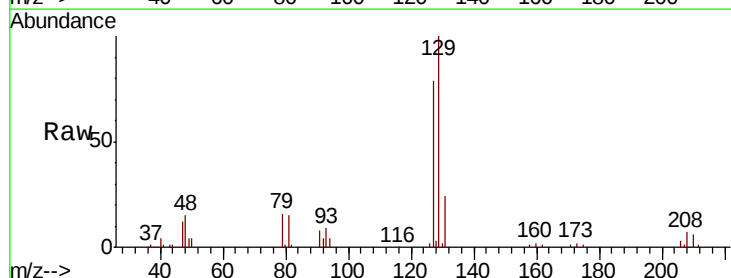
Manual Integrations
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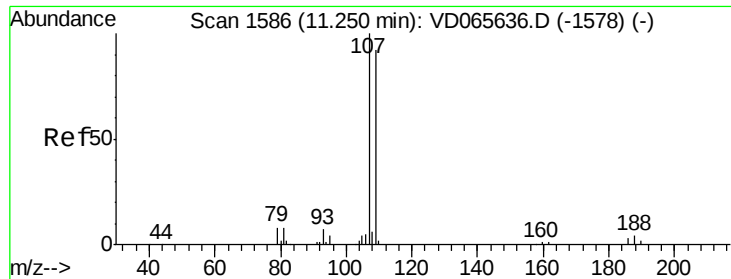
MMDadoda
4/20/2020 4:28:15 PM



#60
Dibromochloromethane
Concen: 43.161 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion	129	Resp	100606
Ion Ratio	100	Lower	Upper
129	100		
127	77.1	38.8	116.3





#61

1,2-Dibromoethane

Concen: 42.450 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 72289

Ion Ratio Lower Upper

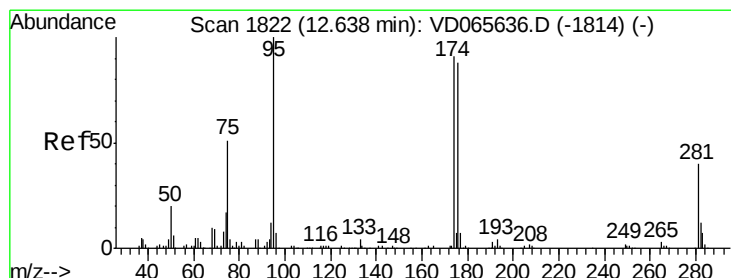
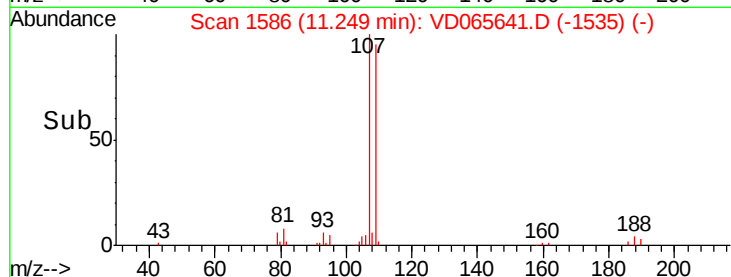
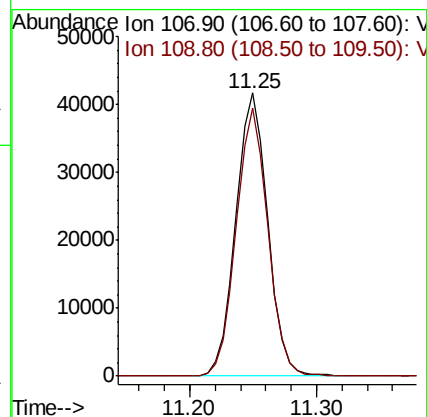
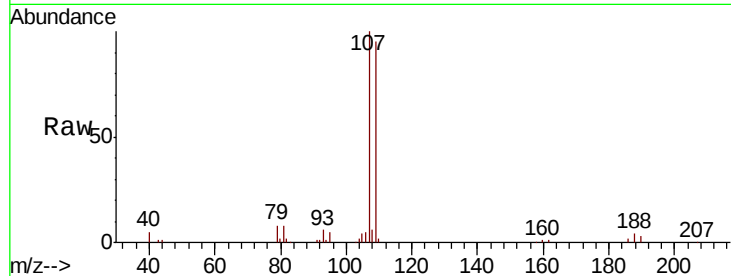
107 100

109 94.1 74.6 112.0

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4/20/2020 4:28:15 PM



#62

4-Bromofluorobenzene

Concen: 44.587 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

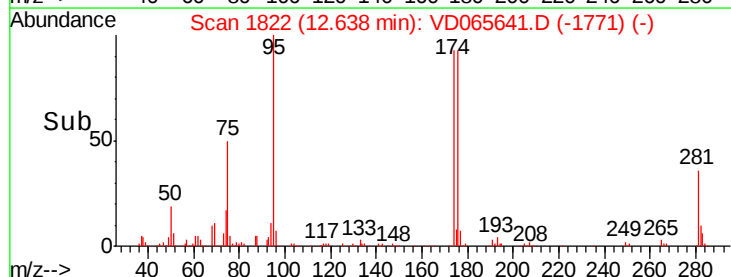
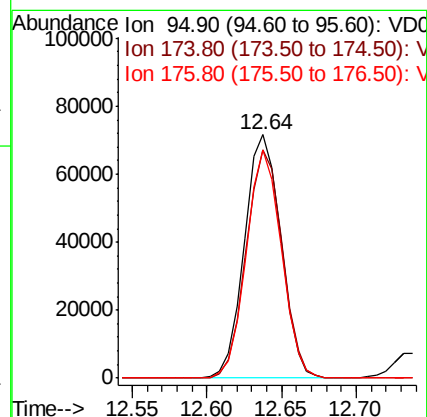
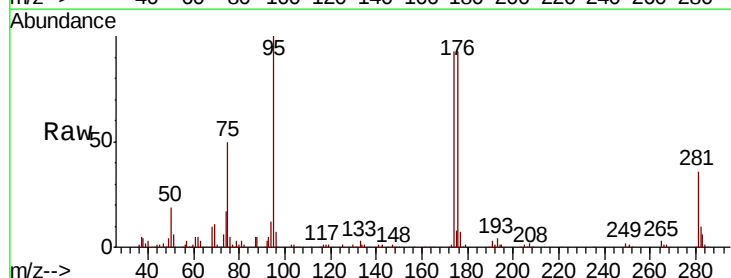
Tgt Ion: 95 Resp: 120878

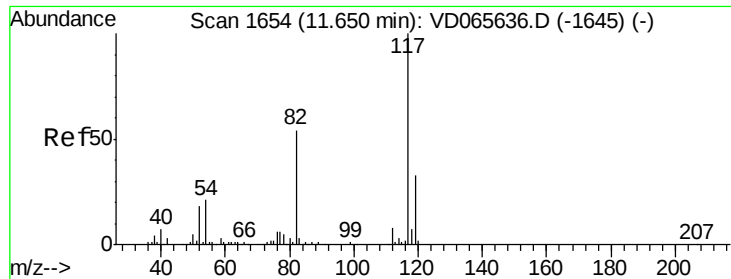
Ion Ratio Lower Upper

95 100

174 92.9 0.0 183.8

176 90.2 0.0 181.4





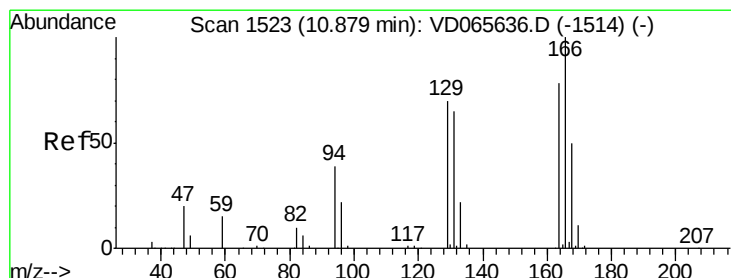
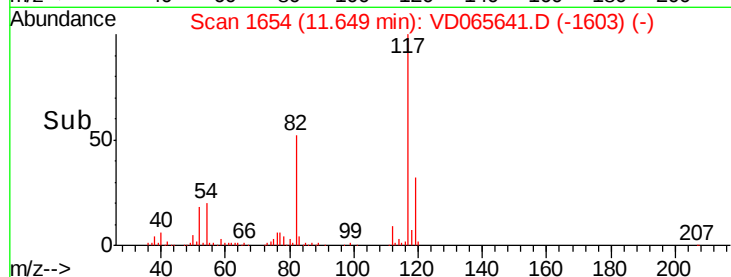
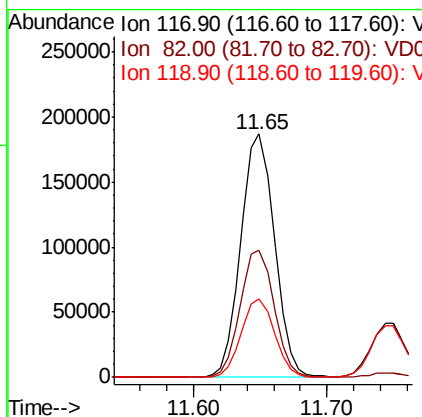
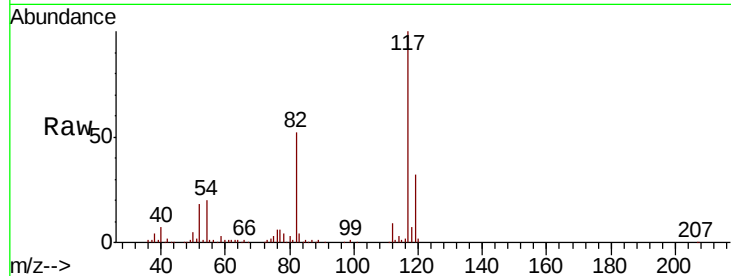
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	43.2	64.8
119	32.1	26.2	39.4

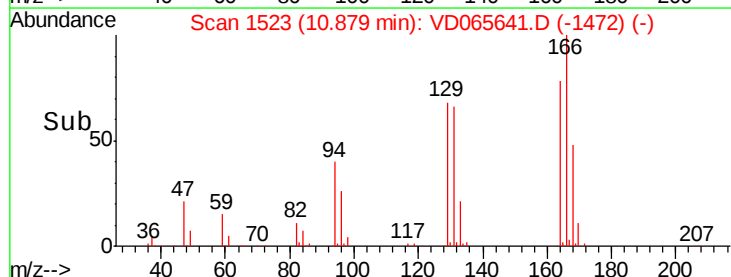
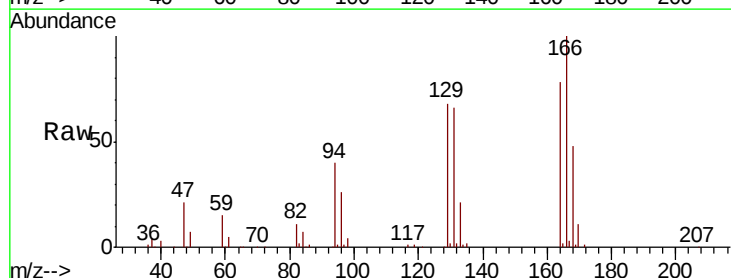
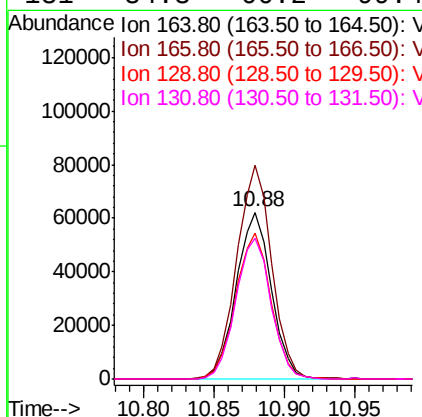
Manual Integrations
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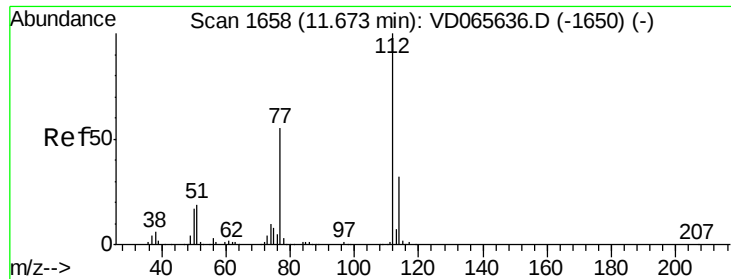
MMDadoda
4/20/2020 4:28:15 PM



#64
Tetrachloroethene
Concen: 45.973 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.3	153.5
129	87.6	71.7	107.5
131	84.3	66.2	99.4





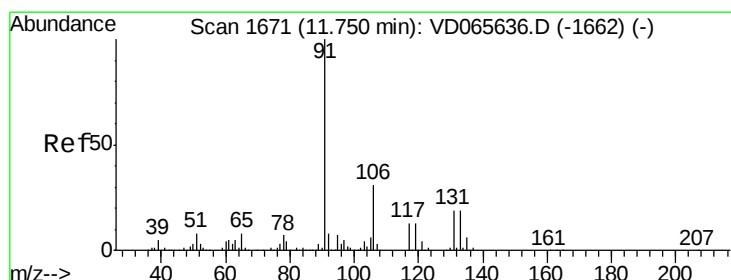
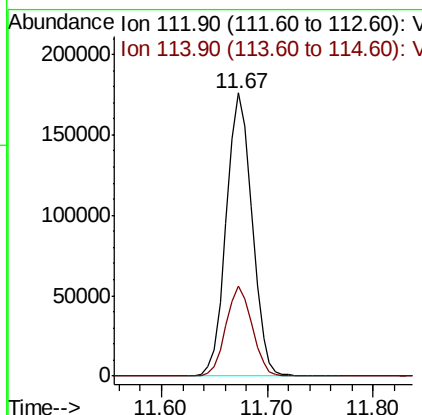
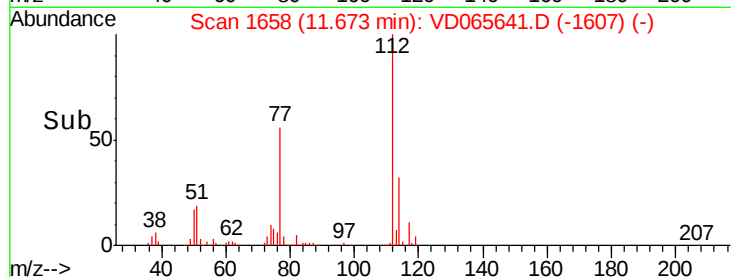
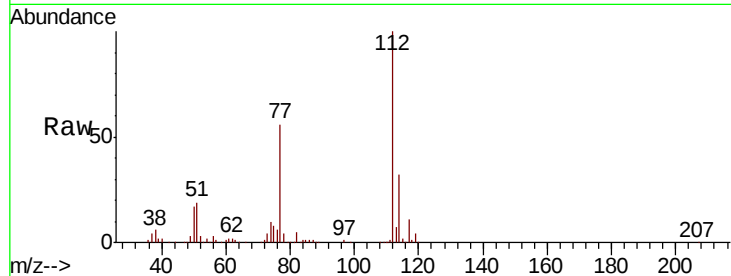
#65
Chlorobenzene
Concen: 45.836 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.3	37.9

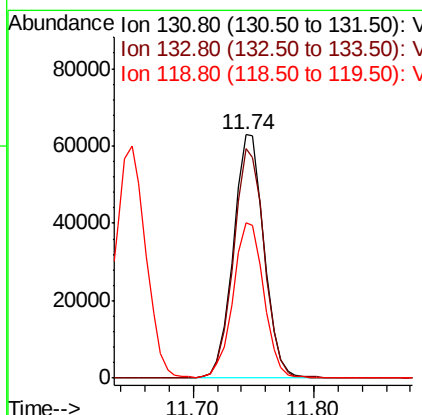
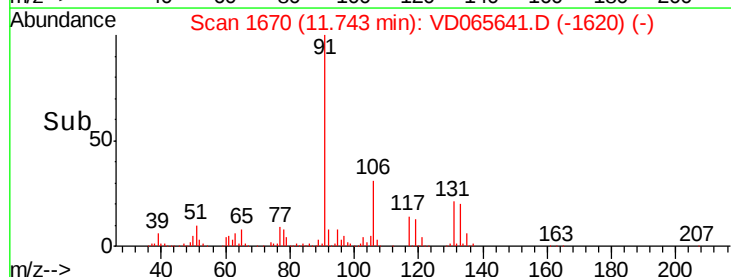
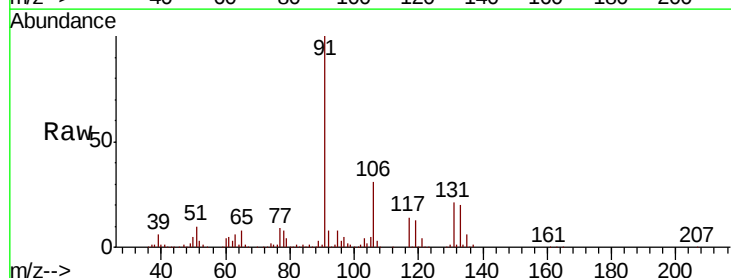
Manual Integrations
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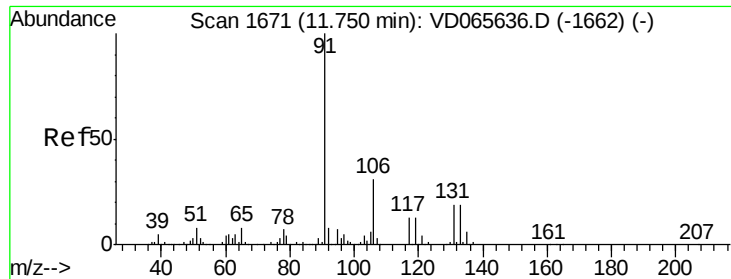
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 44.918 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.7	143.1
119	64.2	32.6	97.7





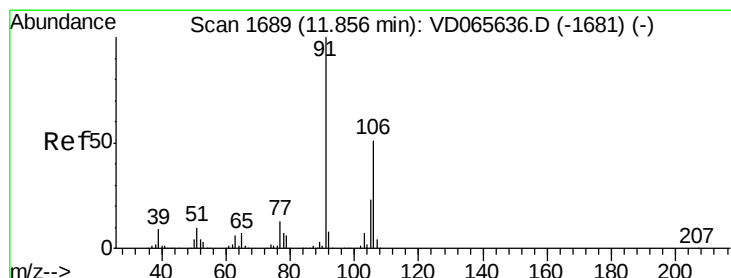
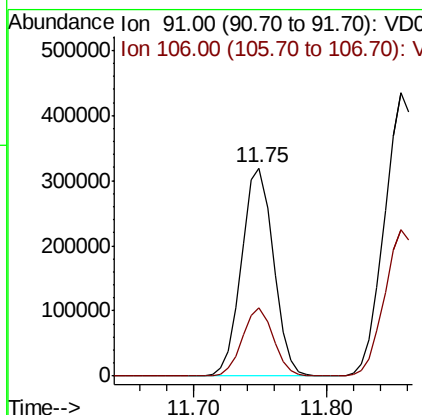
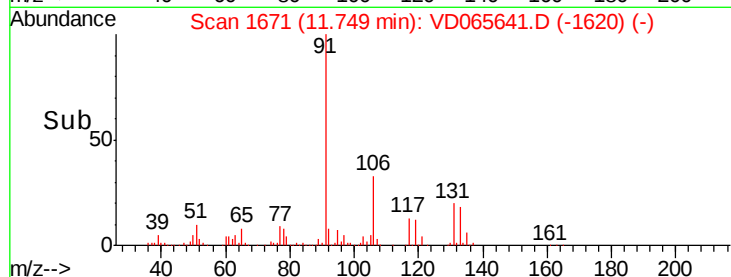
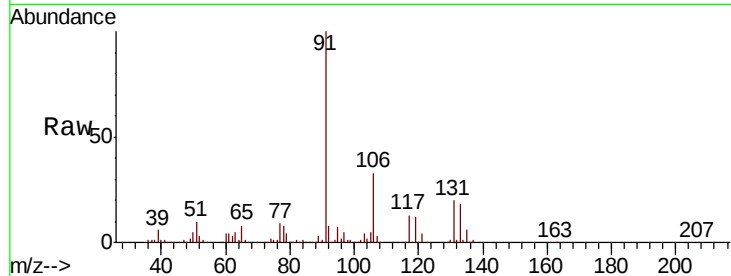
#67
Ethyl Benzene
Concen: 47.692 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 528447
Ion Ratio Lower Upper
91 100
106 33.0 25.1 37.7

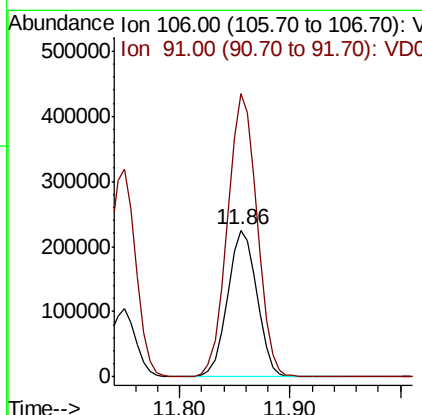
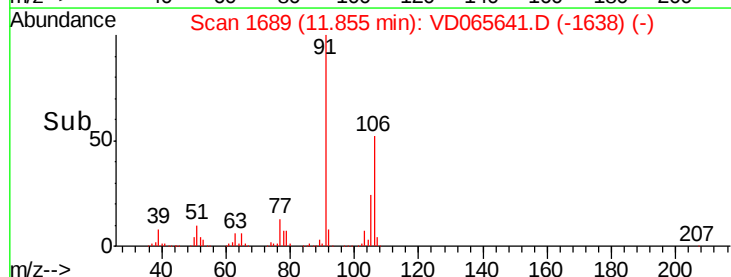
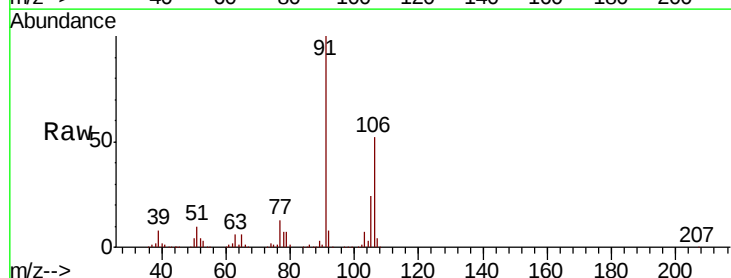
Manual Integrations
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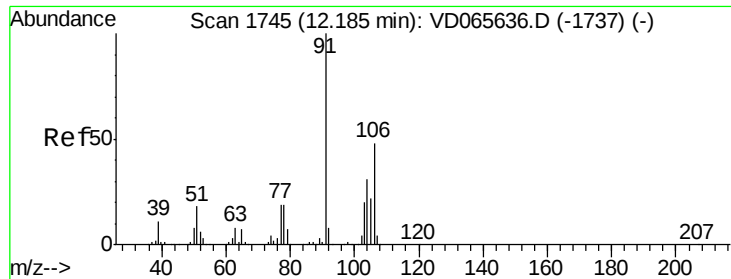
MMDadoda
4/20/2020 4:28:15 PM



#68
m/p-Xylenes
Concen: 98.047 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 106 Resp: 419715
Ion Ratio Lower Upper
106 100
91 194.8 157.9 236.9





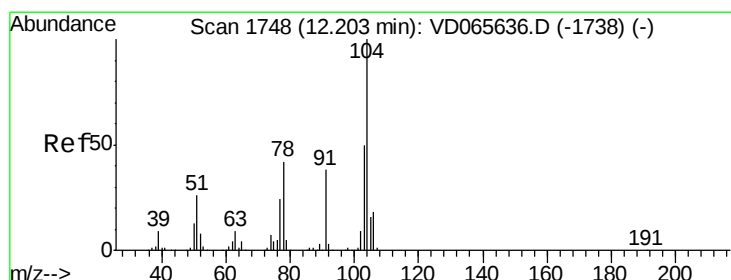
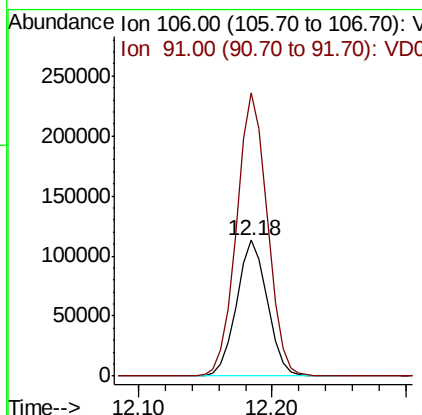
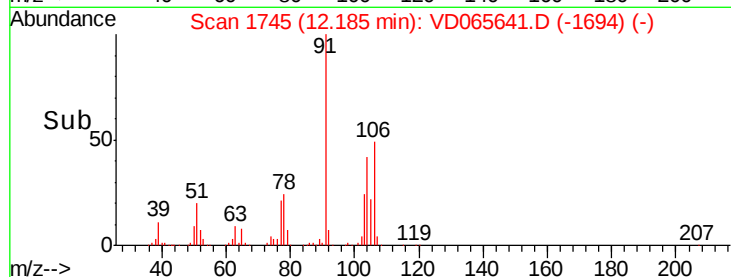
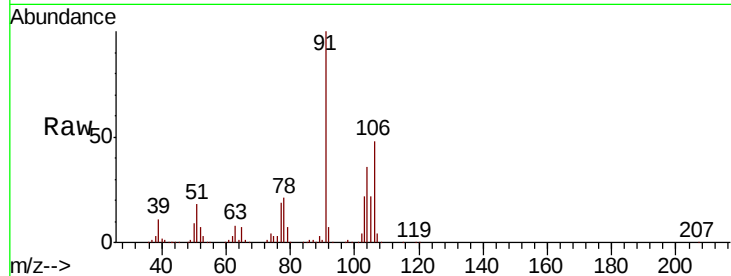
#69
o-Xylene
Concen: 47.939 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.8	103.6	310.9

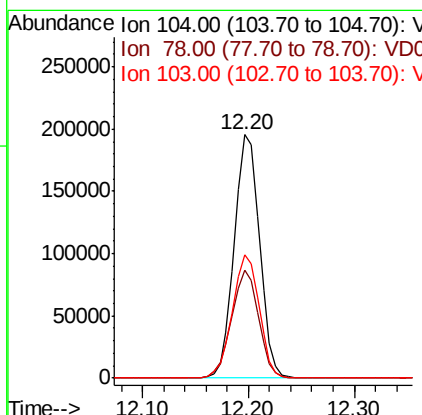
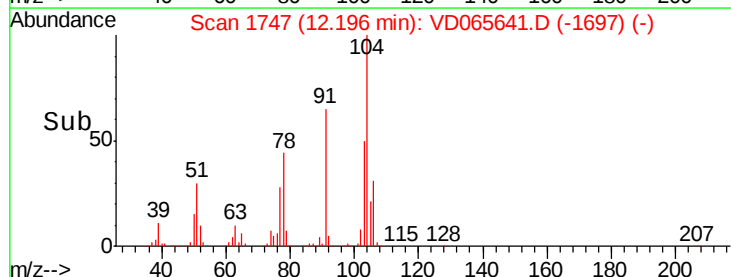
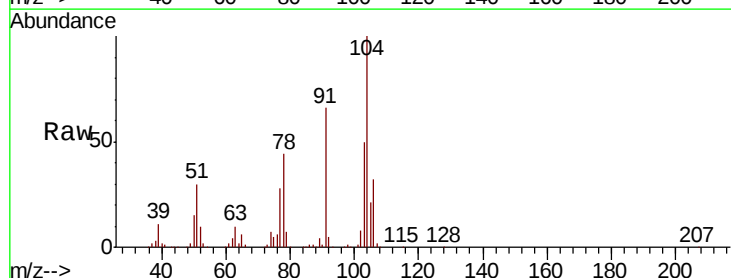
Manual Integrations
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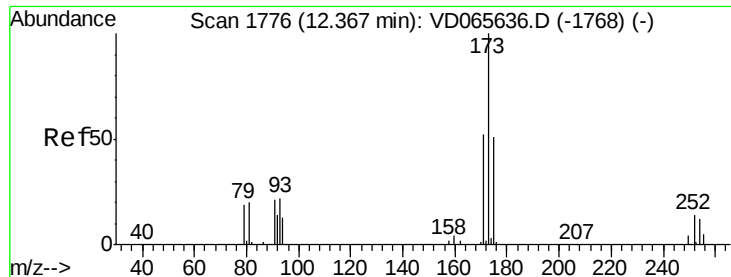
MMDadoda
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#70
Styrene
Concen: 48.762 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.2	37.5	56.3
103	53.7	43.4	65.0





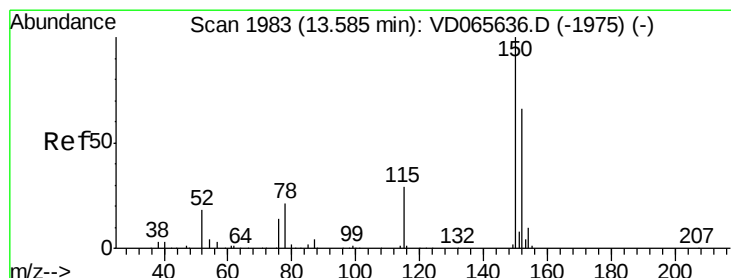
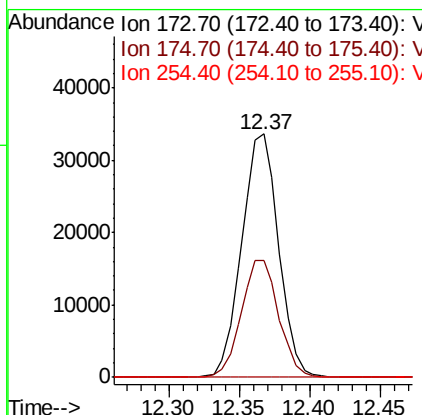
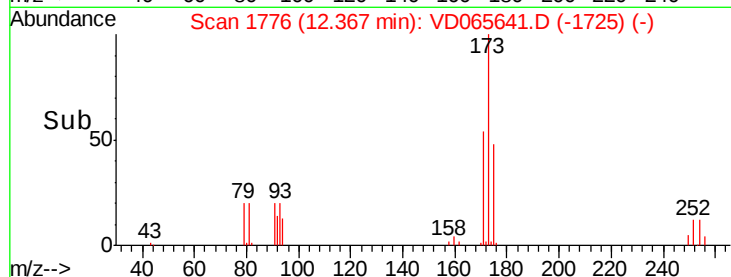
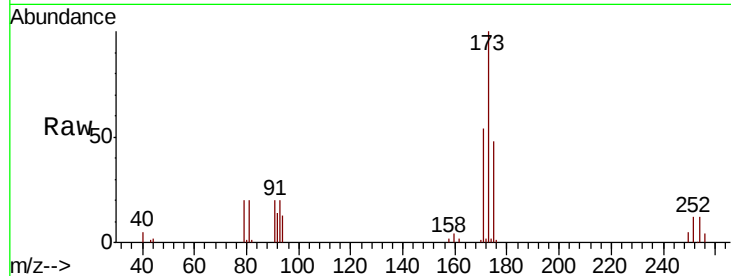
#71
Bromoform
Concen: 44.186 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	25.1	75.2
254	0.0	0.0	0.0

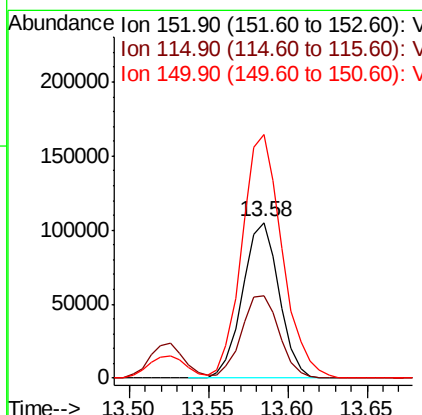
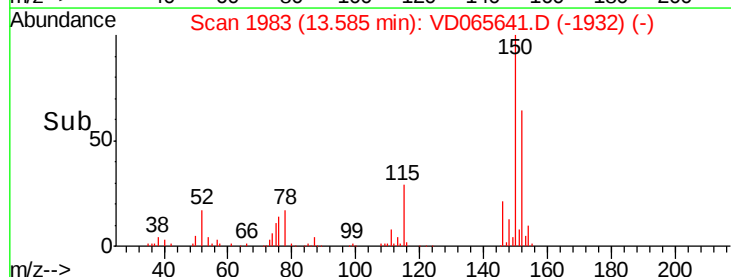
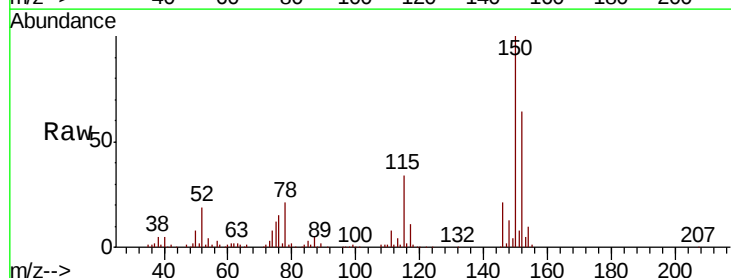
Manual Integrations
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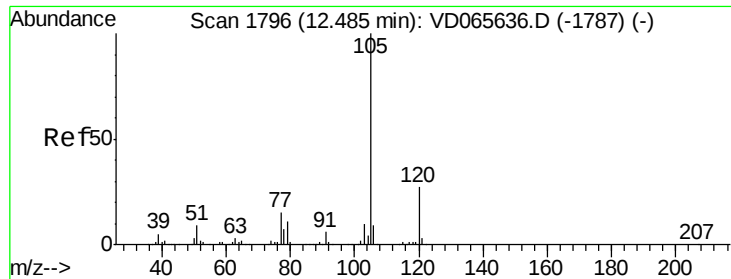
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.6	82.7
150	171.6	0.0	346.0





#73

Isopropylbenzene

Concen: 49.518 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 504437

Ion Ratio Lower Upper

105 100

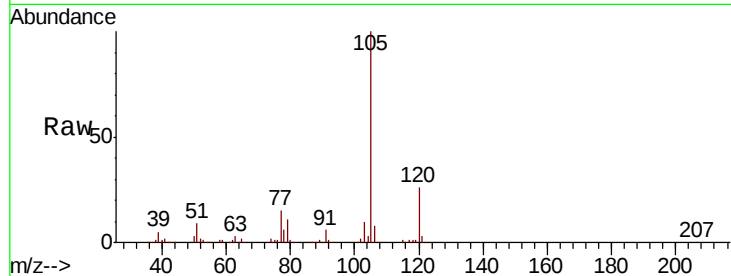
120 26.8 13.4 40.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

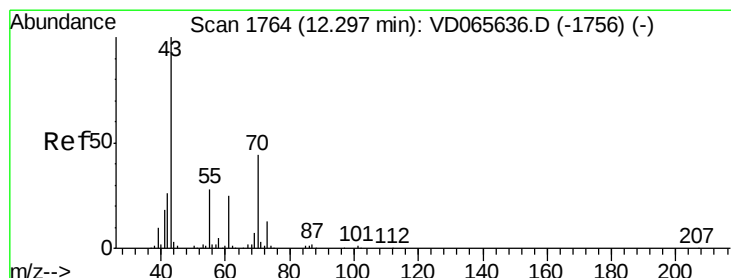
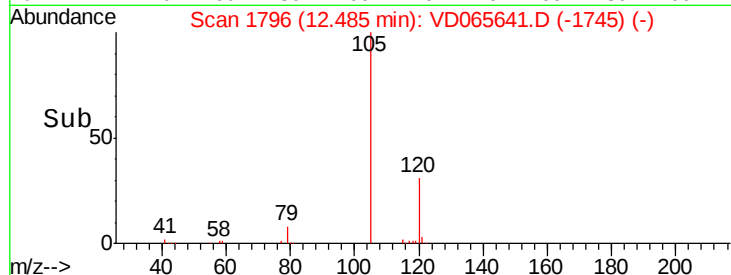
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 41.579 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Tgt Ion: 43 Resp: 98055

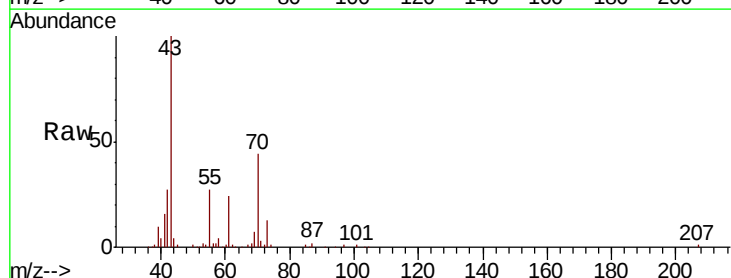
Ion Ratio Lower Upper

43 100

70 43.0 35.4 53.0

55 27.9 22.2 33.2

61 23.5 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.30

100000

80000

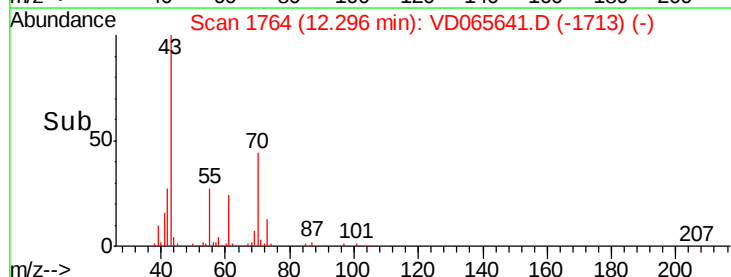
60000

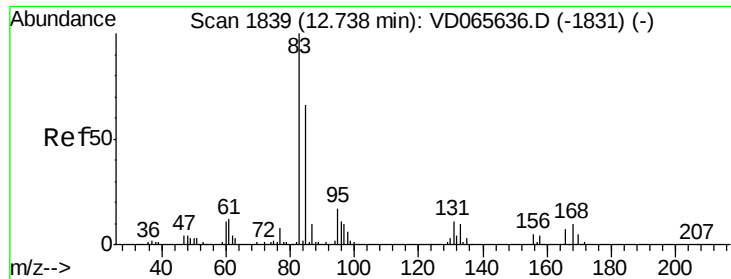
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 43.187 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

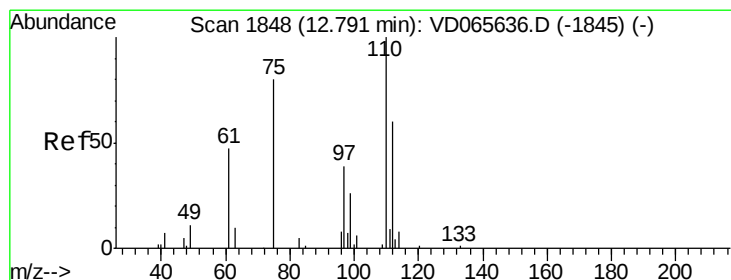
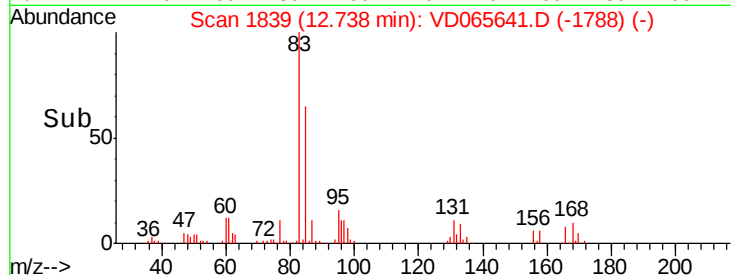
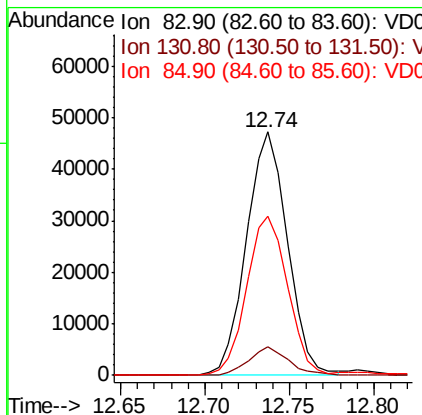
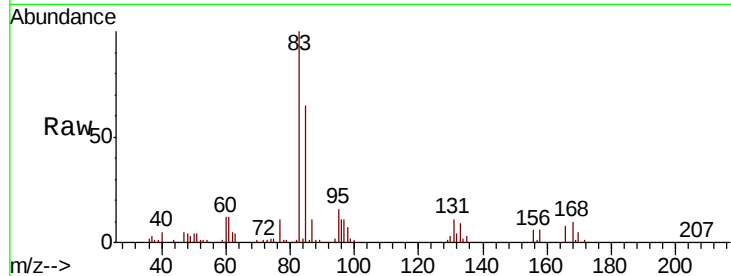
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	79883
Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.7	17.0
85	65.5	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.755 ug/l m

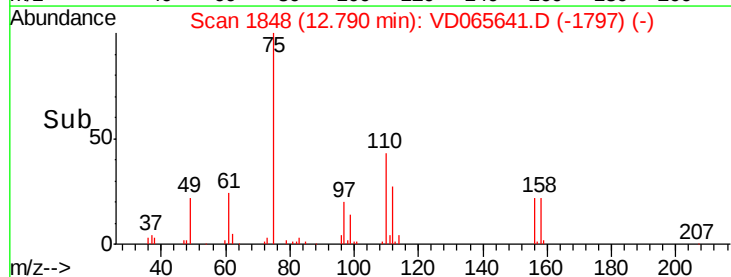
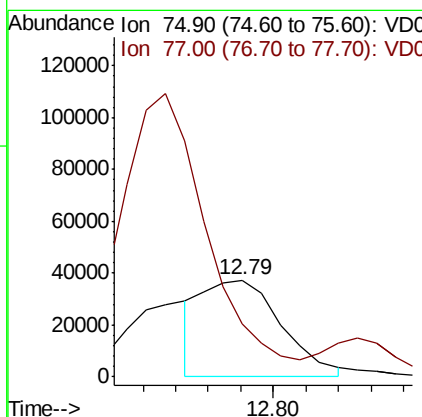
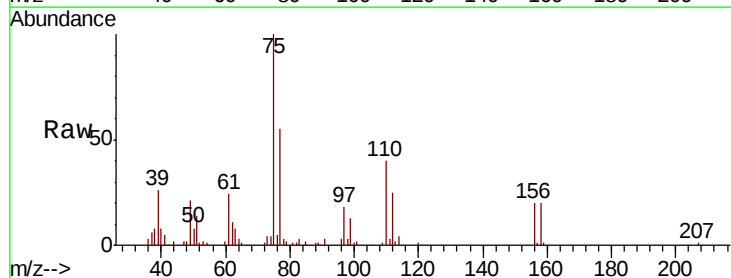
RT: 12.79 min Scan# 1848

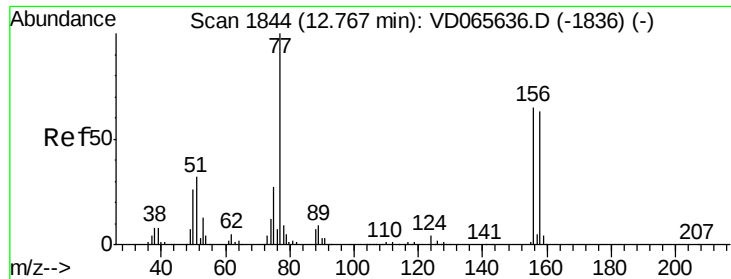
Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Tgt Ion:	75	Resp:	63494
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





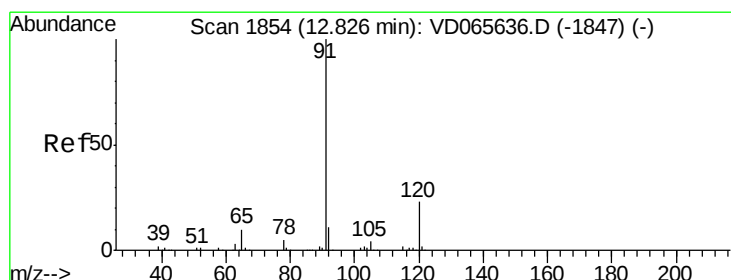
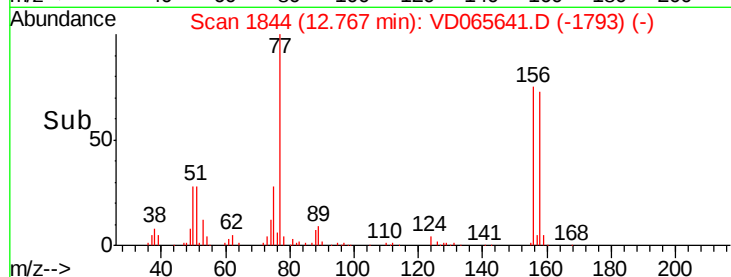
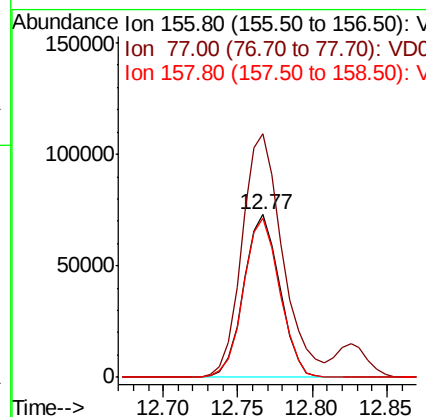
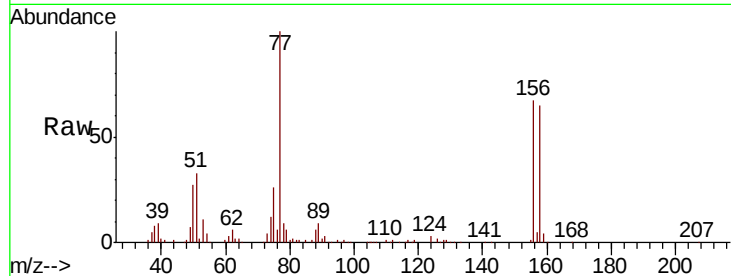
#77
Bromobenzene
Concen: 45.004 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.1	84.7	254.1
158	98.2	48.5	145.5

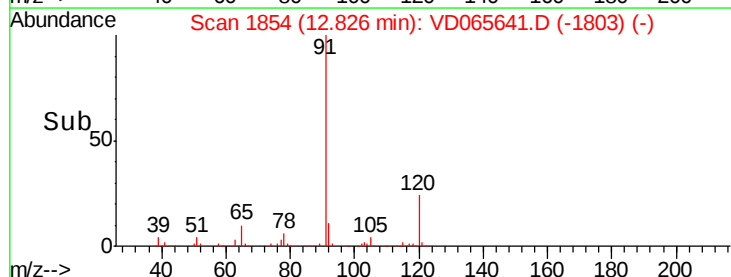
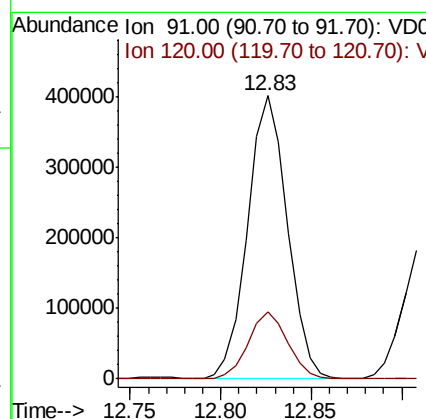
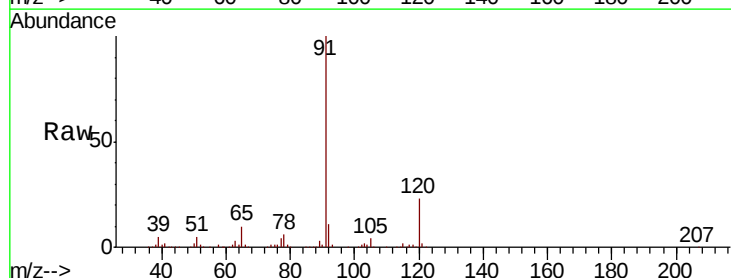
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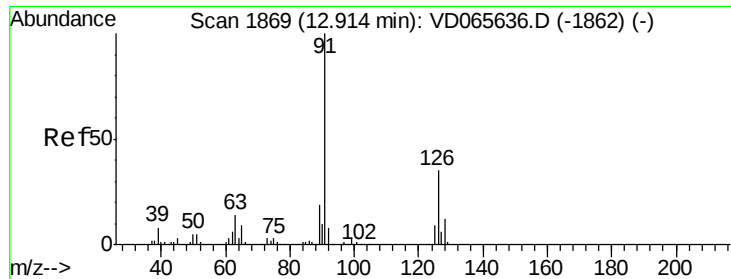
MMDadoda
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#78
n-propylbenzene
Concen: 49.430 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.7	35.1





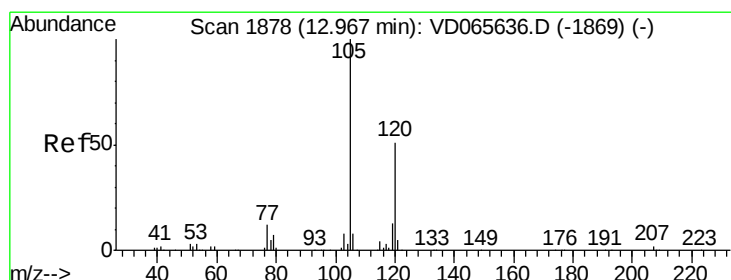
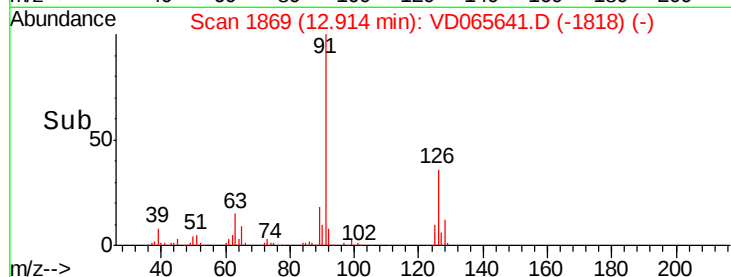
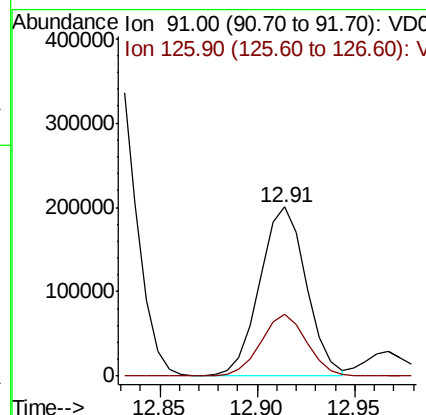
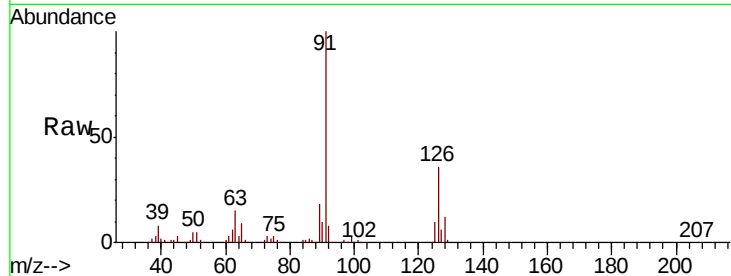
#79
2-Chlorotoluene
Concen: 47.217 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 330442
Ion Ratio Lower Upper
91 100
126 36.0 17.8 53.3

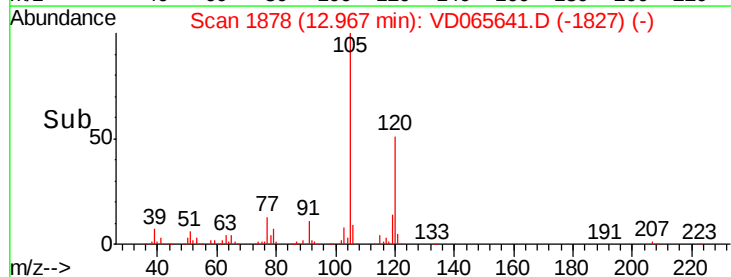
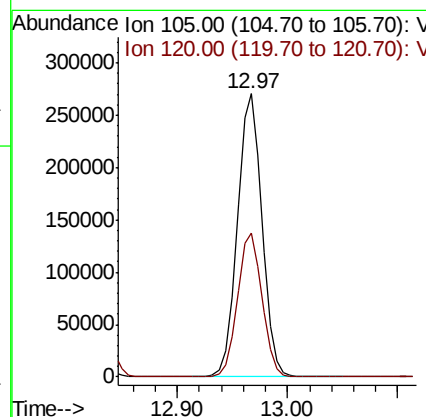
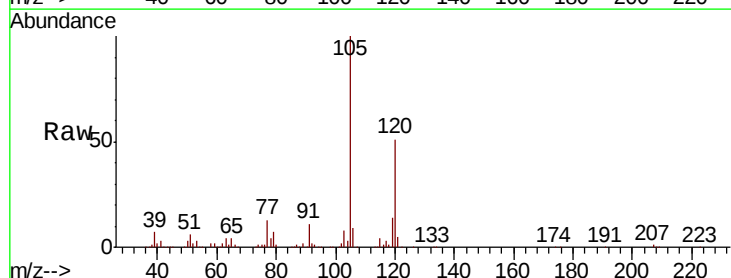
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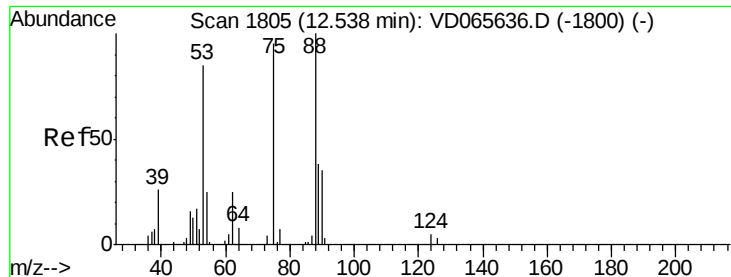
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 48.969 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 105 Resp: 420975
Ion Ratio Lower Upper
105 100
120 50.9 25.2 75.6





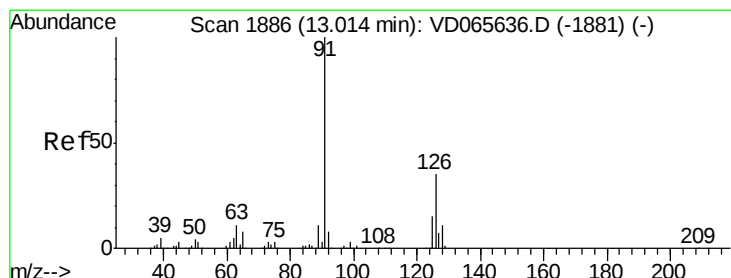
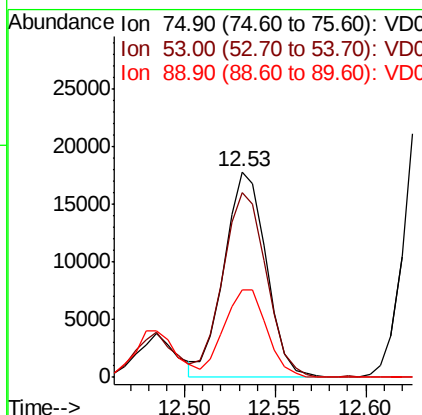
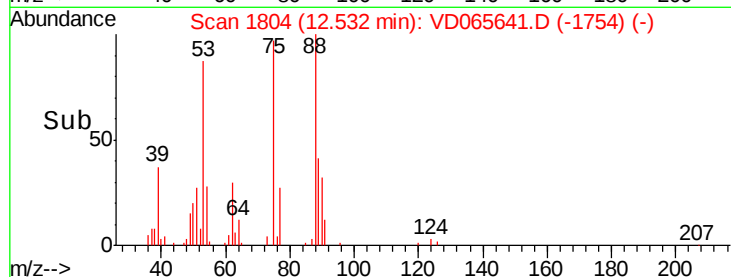
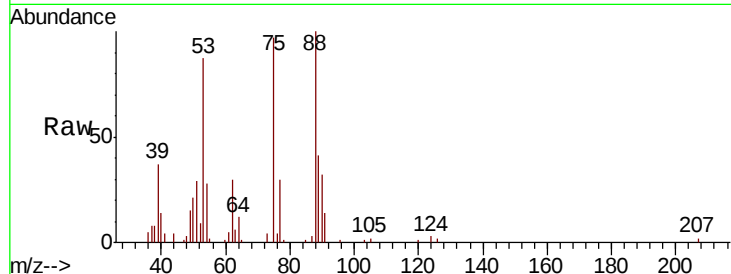
#81
trans-1,4-Dichloro-2-butene
Concen: 46.550 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.4	76.8	115.2
89	43.1	36.1	54.1

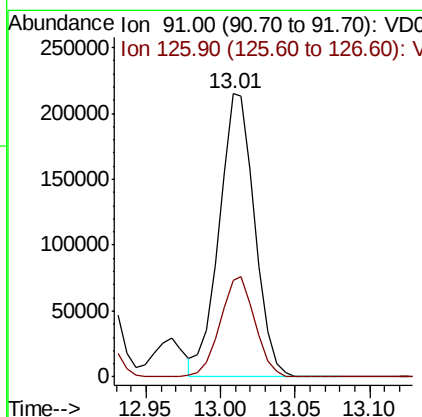
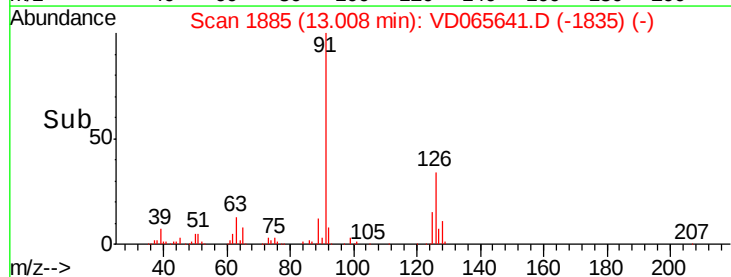
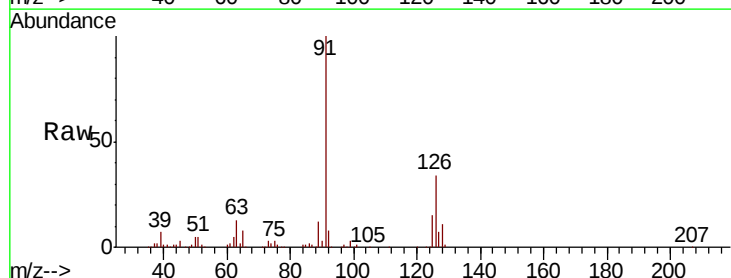
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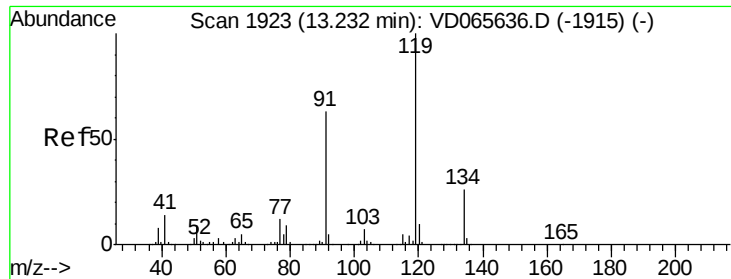
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#82
4-Chlorotoluene
Concen: 47.351 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.5	52.6





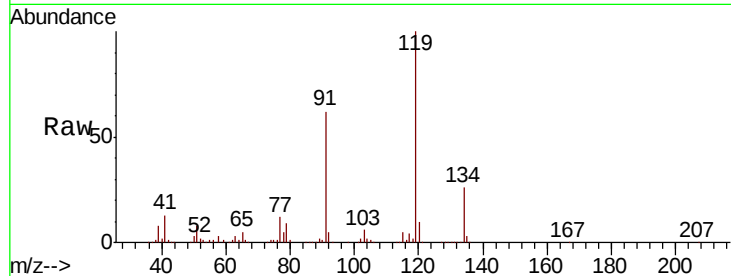
#83
 tert-Butylbenzene
 Concen: 48.445 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

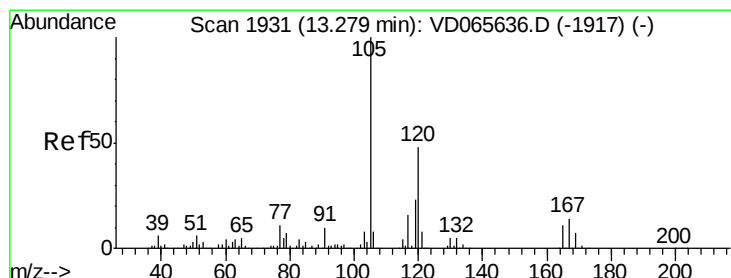
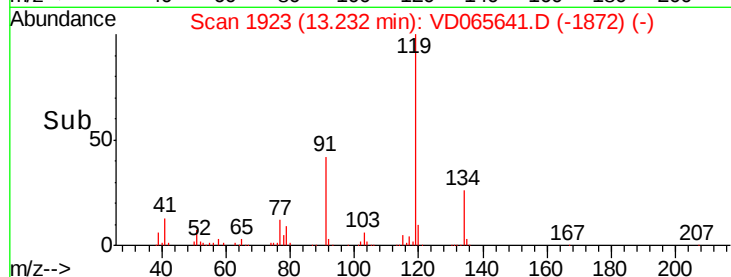
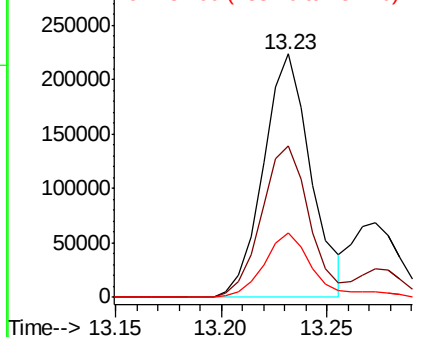
Tot Ion	Ratio	Resp	Lower	Upper
119	100	349190		
91	62.4		31.7	95.1
134	27.5		14.0	41.9

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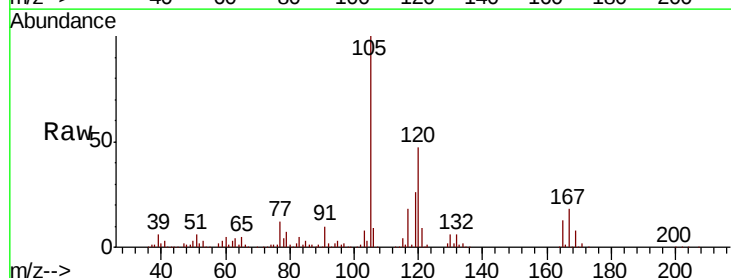


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

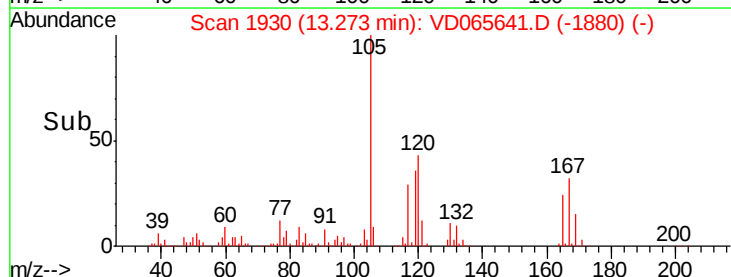
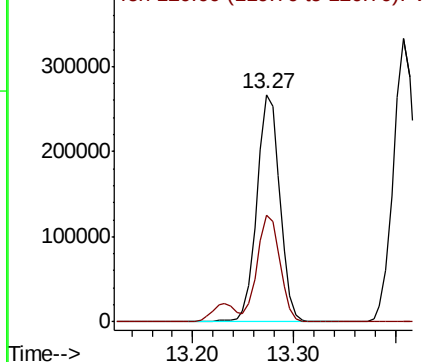


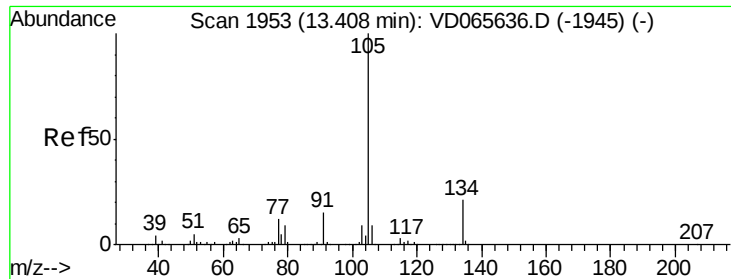
#84
 1,2,4-Trimethylbenzene
 Concen: 49.230 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	421930		
120	46.3		23.5	70.6



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





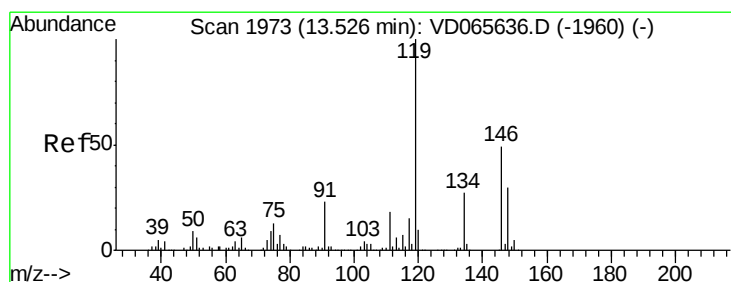
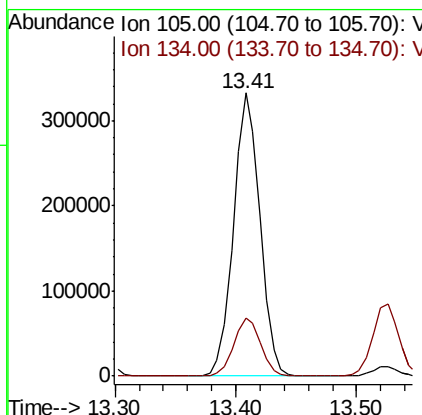
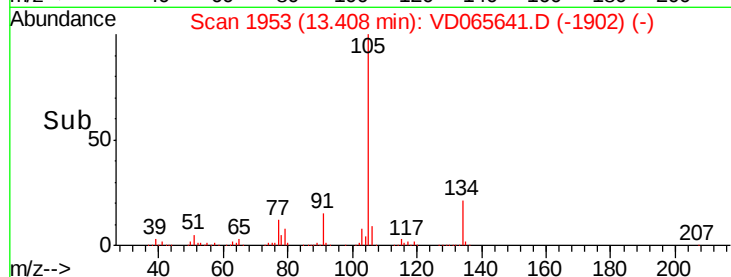
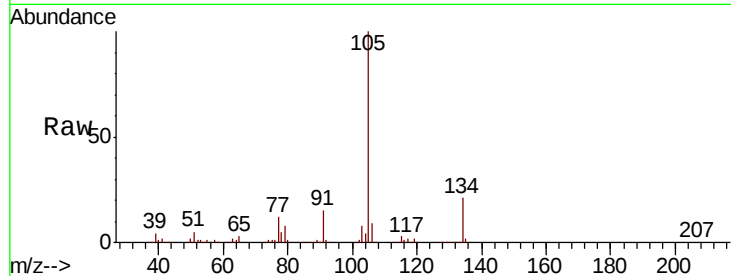
#85
 sec-Butylbenzene
 Concen: 49.070 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.4	31.4

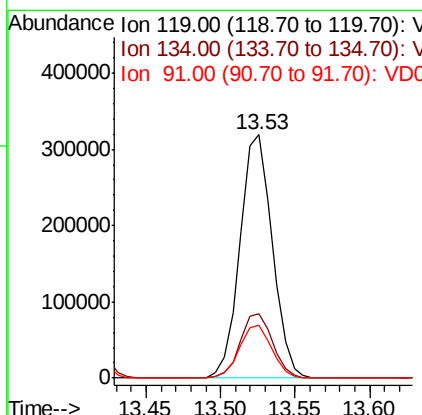
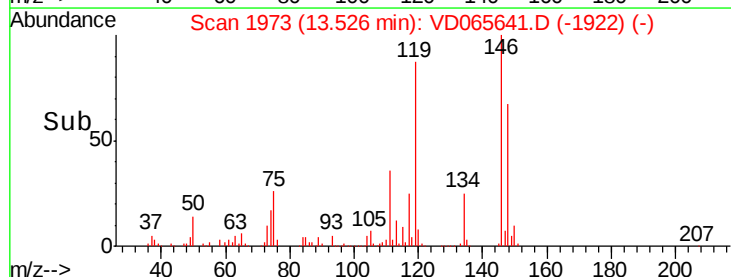
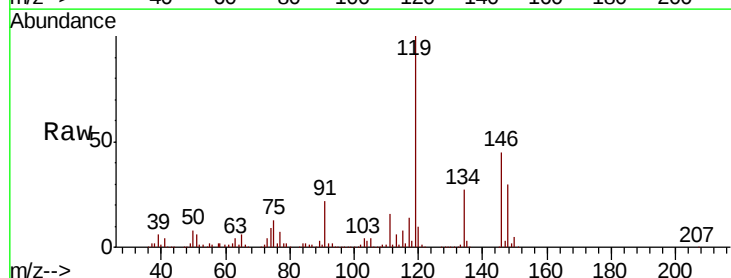
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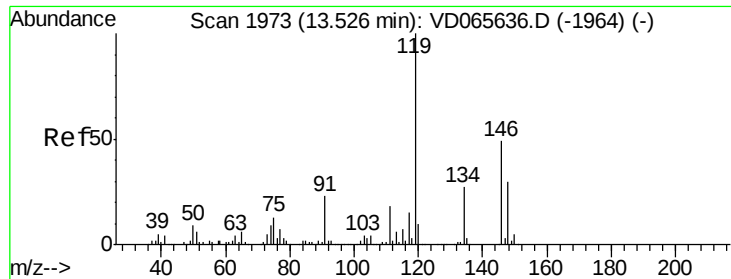
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#86
 p-Isopropyltoluene
 Concen: 49.462 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.1
91	21.9	11.1	33.3





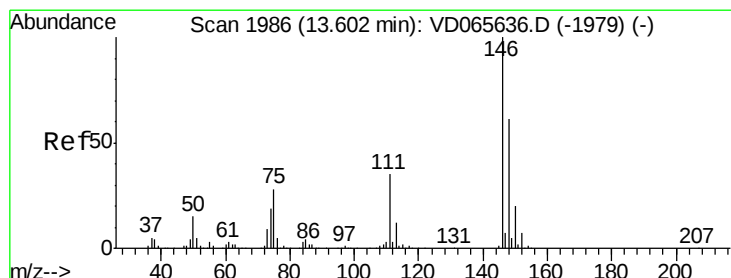
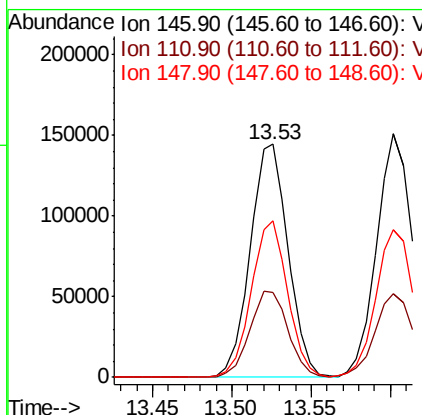
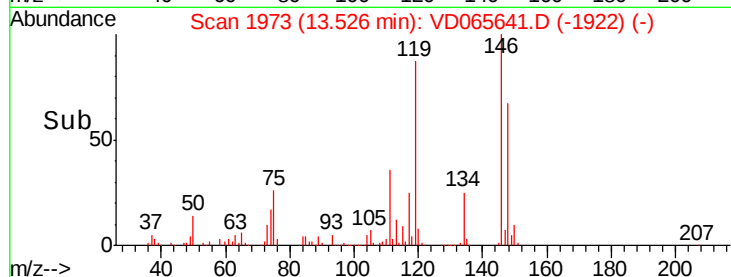
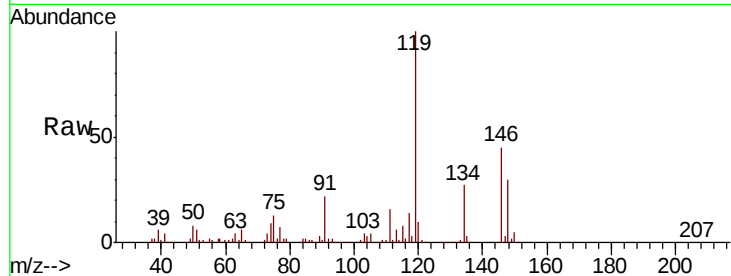
#87
 1,3-Dichlorobenzene
 Concen: 45.349 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.6
148	64.5	31.6	94.8

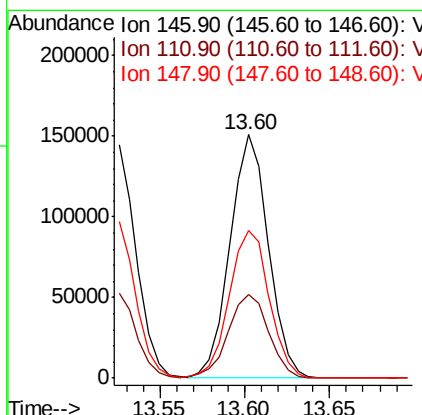
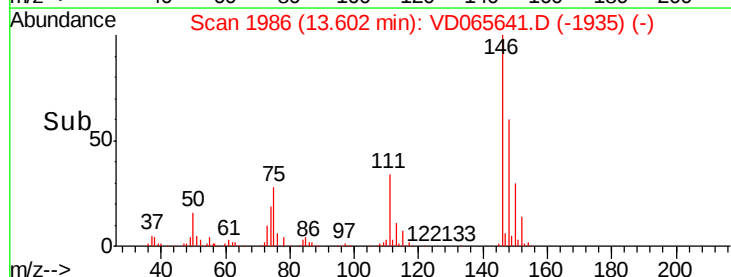
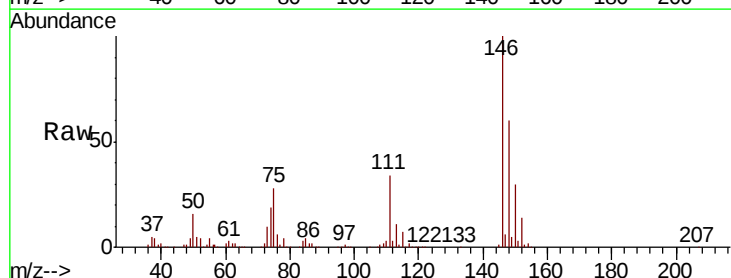
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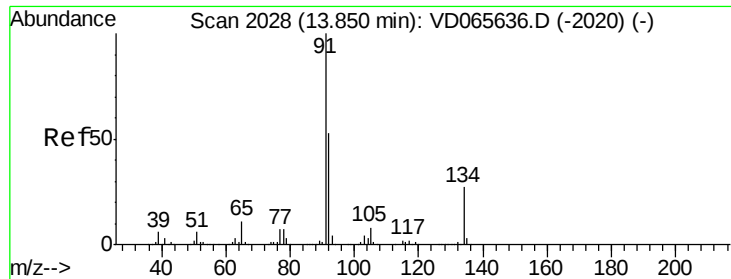
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#88
 1,4-Dichlorobenzene
 Concen: 45.190 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.0	54.0
148	63.3	31.4	94.2





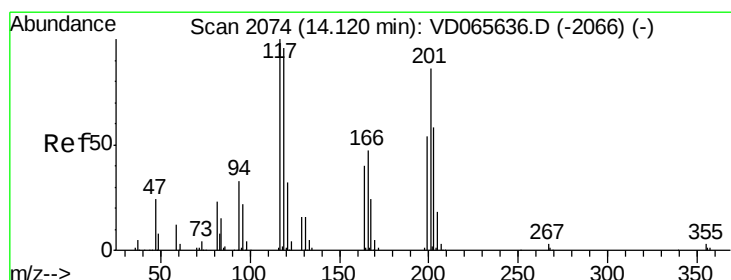
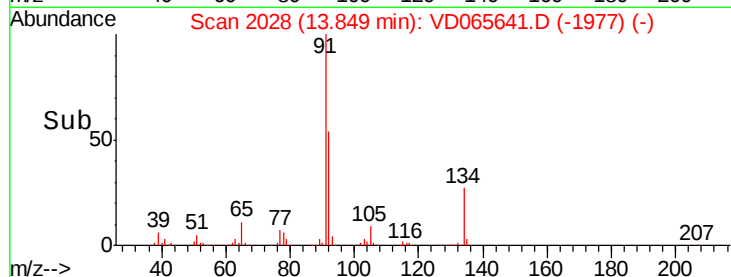
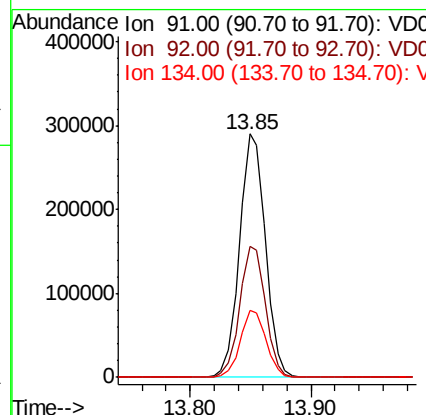
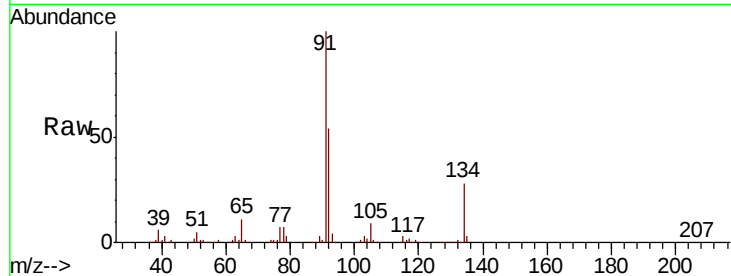
#89
n-Butylbenzene
Concen: 49.334 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	433344		
92	53.6	26.9	80.6	
134	27.3	13.6	40.8	

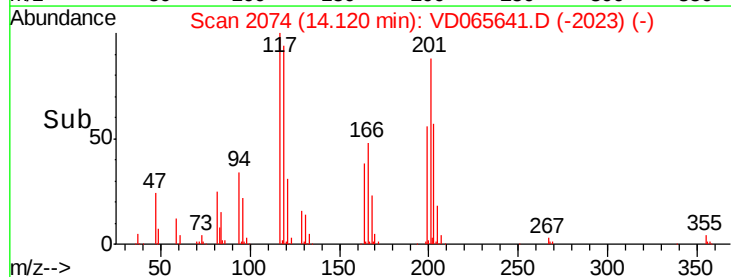
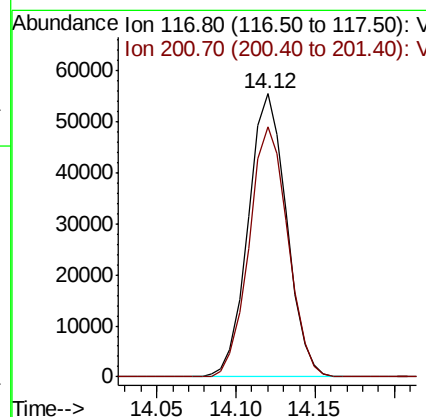
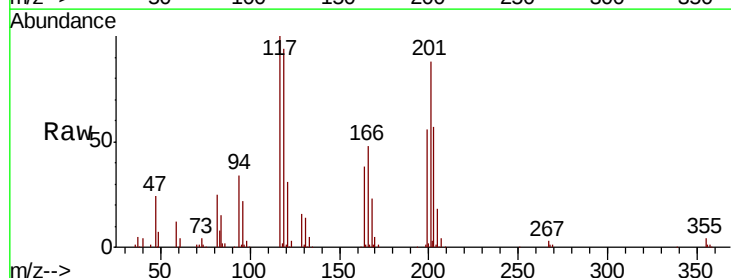
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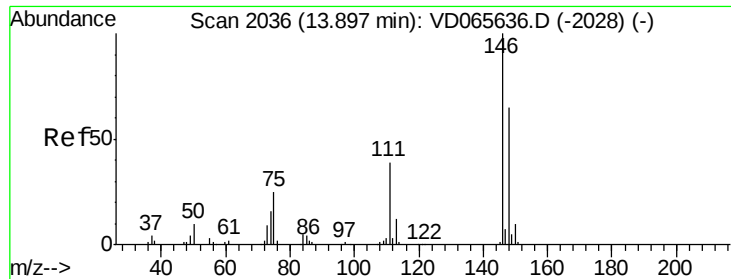
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#90
Hexachloroethane
Concen: 45.961 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	93285		
201	89.3	44.9	134.7	





#91

1,2-Dichlorobenzene

Concen: 44.939 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

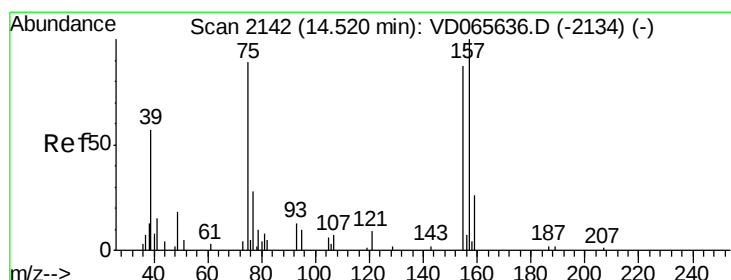
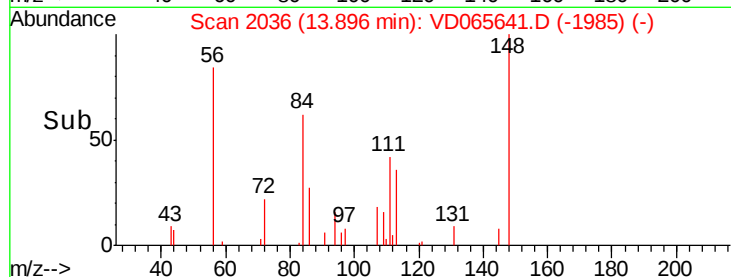
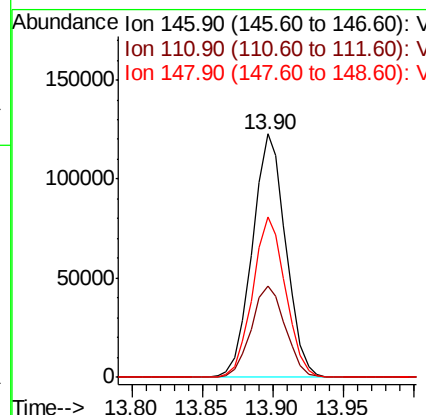
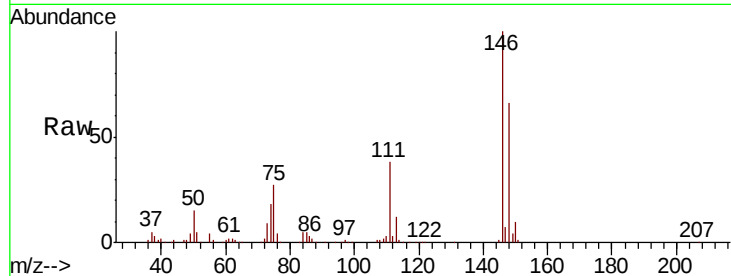
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	204092
Ion Ratio	Lower	Upper	
146	100		
111	38.1	19.3	57.9
148	64.9	32.0	96.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 45.390 ug/l

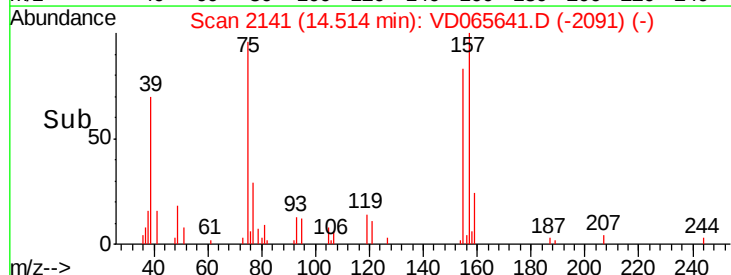
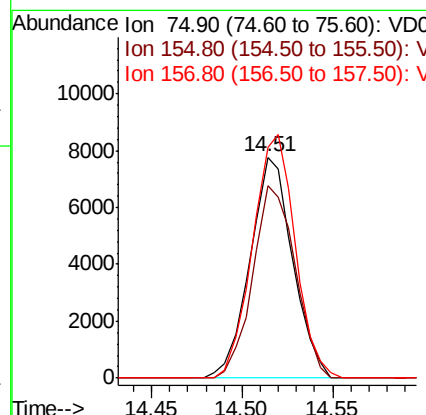
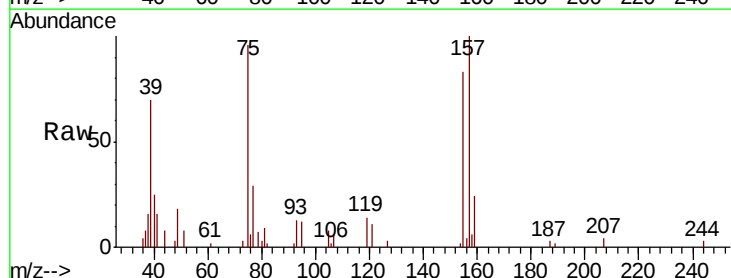
RT: 14.51 min Scan# 2141

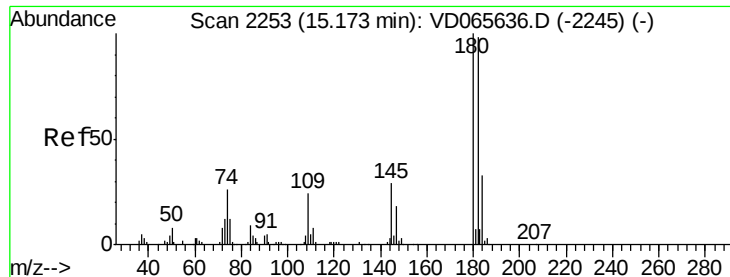
Delta R.T. -0.01 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Tgt Ion:	75	Resp:	12697
Ion Ratio	Lower	Upper	
75	100		
155	86.6	48.0	144.2
157	109.8	59.2	177.6





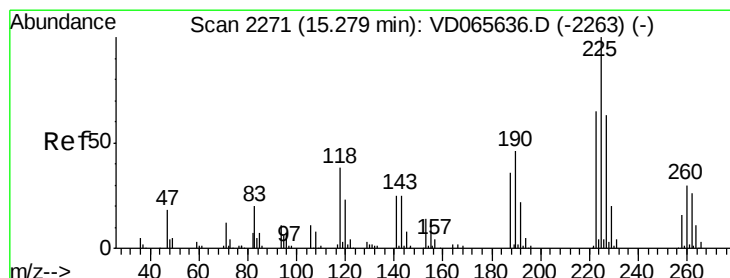
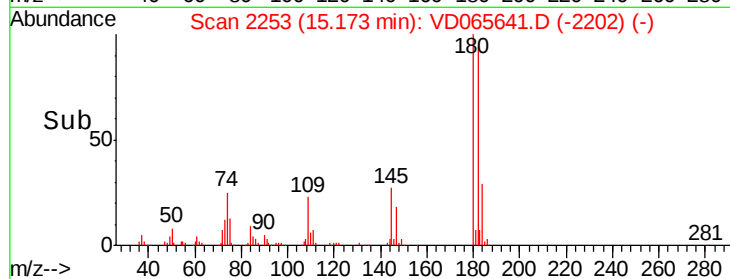
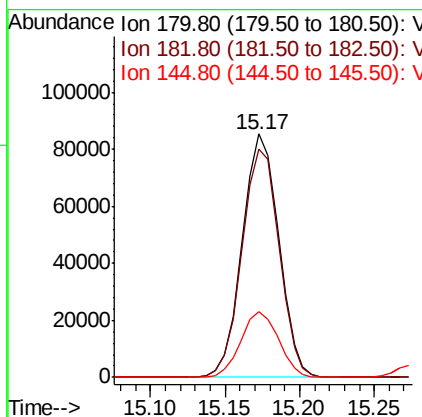
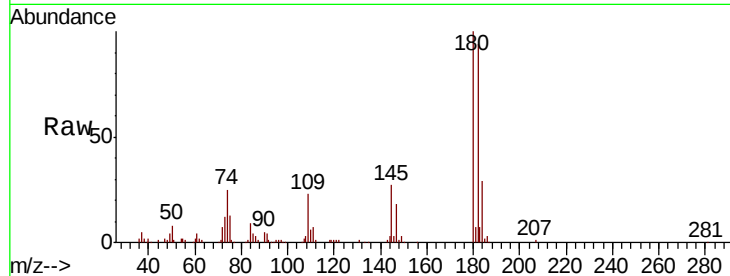
#93
 1,2,4-Trichlorobenzene
 Concen: 46.420 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	145003
Ion Ratio	Lower	Upper	
180	100		
182	95.3	48.9	146.6
145	27.9	13.8	41.3

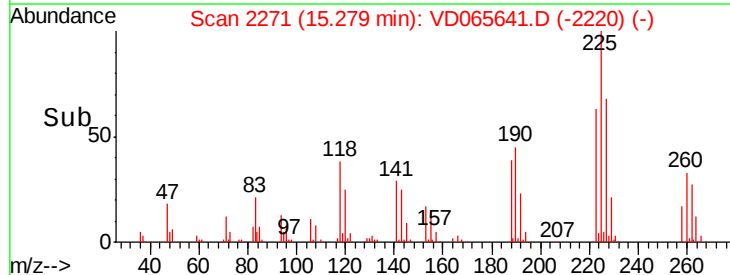
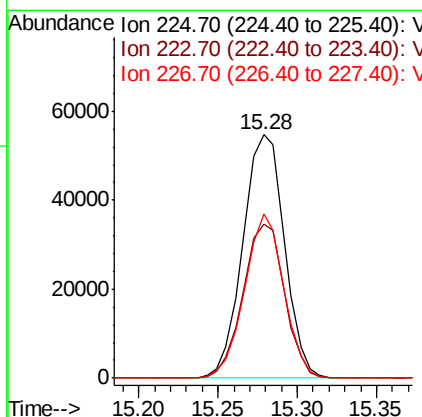
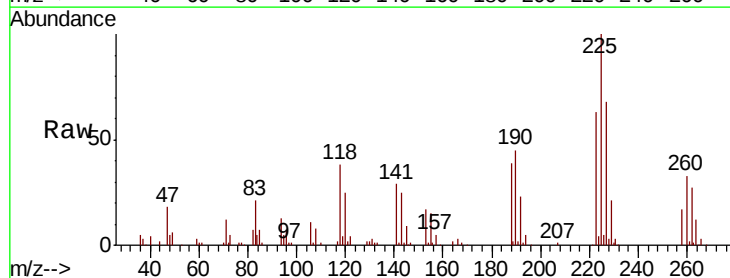
Manual Integrations
 APPROVED

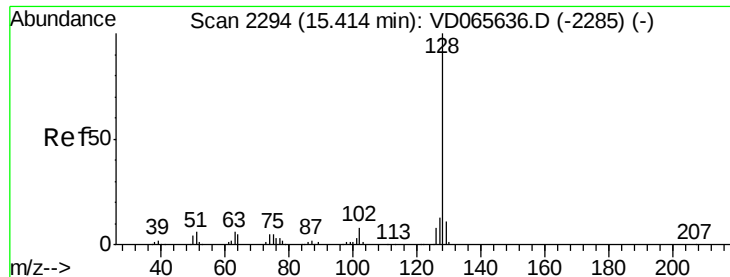
MMDadoda
 4/20/2020 4:28:15 PM



#94
 Hexachlorobutadiene
 Concen: 46.566 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Tgt Ion:	225	Resp:	99734
Ion Ratio	Lower	Upper	
225	100		
223	63.2	31.9	95.5
227	63.7	32.0	96.2





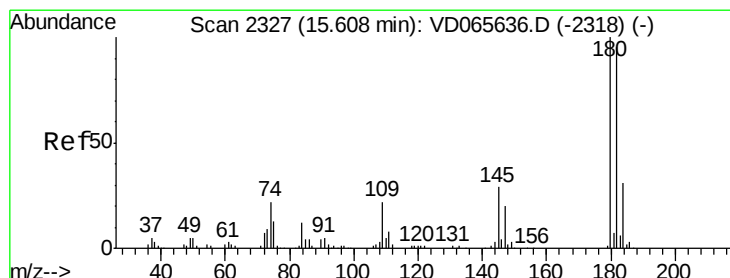
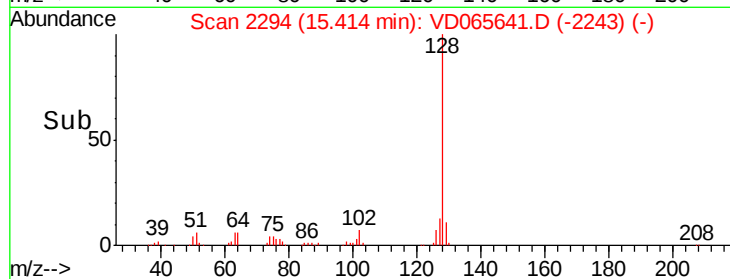
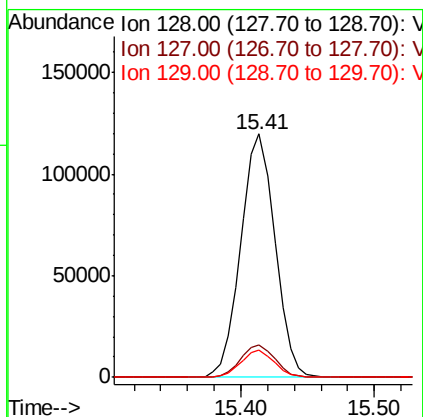
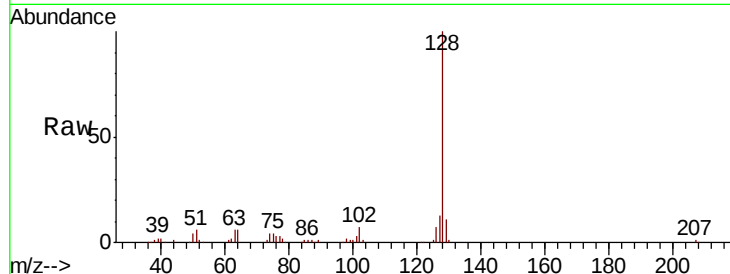
#95
Naphthalene
Concen: 40.574 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/20/2020 4:28:15 PM



#96
1,2,3-Trichlorobenzene
Concen: 45.846 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.8	143.3
145	29.7	15.0	45.0

