

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042220\
 Data File : VD065667.D
 Acq On : 22 Apr 2020 15:33
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/23/2020 1:31:45 PM

Quant Time: Apr 23 03:49:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 03:30:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	242289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	327776	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	308681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	159725	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	184689	90.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	180.42%	
35) Dibromofluoromethane	7.92	113	192545	94.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	188.56%	
50) Toluene-d8	10.34	98	724846	95.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	191.82%	
62) 4-Bromofluorobenzene	12.64	95	239635	96.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	192.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	204294	104.676	ug/l	100
3) Chloromethane	2.21	50	205997	96.420	ug/l	98
4) Vinyl Chloride	2.35	62	235075	100.949	ug/l	97
5) Bromomethane	2.76	94	139884	108.944	ug/l	93
6) Chloroethane	2.92	64	140944	101.447	ug/l	95
7) Trichlorofluoromethane	3.27	101	330379	99.125	ug/l	99
8) Diethyl Ether	3.71	74	73763	108.782	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	159397	104.542	ug/l	100
10) Methyl Iodide	4.29	142	191366	92.982	ug/l	98
11) Tert butyl alcohol	5.24	59	43840	388.905	ug/l	96
12) 1,1-Dichloroethene	4.06	96	148094	108.016	ug/l	98
13) Acrolein	3.93	56	55513	627.749	ug/l	99
14) Allyl chloride	4.71	41	244639	96.034	ug/l	99
15) Acrylonitrile	5.43	53	171942	397.076	ug/l	97
16) Acetone	4.16	43	148272	510.551	ug/l	99
17) Carbon Disulfide	4.40	76	497002	93.173	ug/l	100
18) Methyl Acetate	4.72	43	86719	91.044	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	353915	88.129	ug/l	95
20) Methylene Chloride	4.96	84	162818	71.211	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	179485	77.502	ug/l	98
22) Diisopropyl ether	6.37	45	515773	83.147	ug/l	96
23) Vinyl Acetate	6.31	43	1541172	466.210	ug/l	99
24) 1,1-Dichloroethane	6.27	63	301338	76.212	ug/l	100
25) 2-Butanone	7.22	43	300888	568.191	ug/l	99
26) 2,2-Dichloropropane	7.21	77	350058	101.670	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	258401	107.197	ug/l	98
28) Bromochloromethane	7.55	49	148768	92.162	ug/l	99
29) Tetrahydrofuran	7.57	42	201735	600.835	ug/l	99
30) Chloroform	7.71	83	408516	101.425	ug/l	98
31) Cyclohexane	7.98	56	393740	104.524	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	373484	102.636	ug/l	98
36) 1,1-Dichloropropene	8.11	75	335578	108.205	ug/l	99
37) Ethyl Acetate	7.30	43	143054	117.282	ug/l	96
38) Carbon Tetrachloride	8.10	117	346441	104.717	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	419770	117.233	ug/l	97
40) Benzene	8.36	78	938688	105.738	ug/l	99
41) Methacrylonitrile	7.53	41	70945	110.310	ug/l	88
42) 1,2-Dichloroethane	8.43	62	260117	107.348	ug/l	99
43) Isopropyl Acetate	8.46	43	259954	117.826	ug/l	100
44) Trichloroethene	9.11	130	265474	106.738	ug/l	100
45) 1,2-Dichloropropane	9.39	63	231196	106.537	ug/l	97
46) Dibromomethane	9.48	93	121498	108.215	ug/l	99
47) Bromodichloromethane	9.67	83	315488	105.811	ug/l	98
48) Methyl methacrylate	9.46	41	125558	119.077	ug/l	98
49) 1,4-Dioxane	9.47	88	30588	2469.600	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	682388	610.608	ug/l	99
52) Toluene	10.41	92	609218	111.191	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	308934	114.164	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	369057	111.510	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	170143	108.293	ug/l	98
56) Ethyl methacrylate	10.67	69	217914	129.251	ug/l	95
57) 1,3-Dichloropropane	10.95	76	295063	110.278	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	511292	573.634	ug/l	100
59) 2-Hexanone	10.99	43	468905	618.405	ug/l	97
60) Dibromochloromethane	11.14	129	224678	107.645	ug/l	100
61) 1,2-Dibromoethane	11.25	107	163590	107.631	ug/l	99
64) Tetrachloroethene	10.88	164	229027	107.229	ug/l	99
65) Chlorobenzene	11.67	112	633533	106.883	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	242374	106.997	ug/l	98
67) Ethyl Benzene	11.75	91	1146601	113.205	ug/l	99
68) m/p-Xylenes	11.86	106	894179	228.225	ug/l	100
69) o-Xylene	12.18	106	398703	116.816	ug/l	100
70) Styrene	12.20	104	710418	117.464	ug/l	100
71) Bromoform	12.37	173	139356	109.842	ug/l #	97
73) Isopropylbenzene	12.48	105	1086960	116.729	ug/l	100
74) N-amyl acetate	12.30	43	242439	123.579	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	183618	108.930	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	122967m	102.069	ug/l	
77) Bromobenzene	12.77	156	267497	108.536	ug/l	98
78) n-propylbenzene	12.83	91	1285860	114.119	ug/l	100
79) 2-Chlorotoluene	12.91	91	707935	110.441	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	901147	114.568	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	65737	116.528	ug/l	95
82) 4-Chlorotoluene	13.01	91	744180	107.831	ug/l	99
83) tert-Butylbenzene	13.23	119	774172	117.500	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	901586	115.075	ug/l	99
85) sec-Butylbenzene	13.41	105	1085893	115.086	ug/l	100
86) p-Isopropyltoluene	13.53	119	1011296	114.088	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	511260	105.450	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	496396	103.018	ug/l	100
89) n-Butylbenzene	13.86	91	913594	113.727	ug/l	100
90) Hexachloroethane	14.12	117	192815	103.424	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	443340	106.936	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	29380	114.909	ug/l	84

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 ClientSampleId :
 VSTDICC100

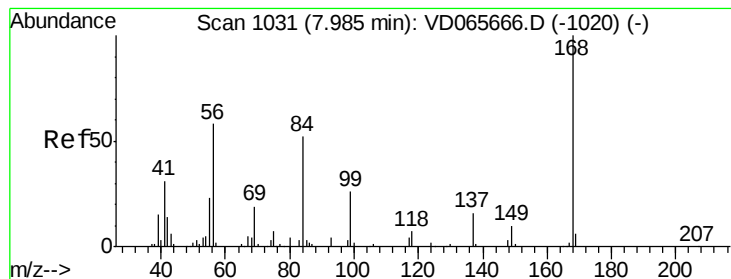
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	320035	112.586	ug/l	99
94) Hexachlorobutadiene	15.28	225	206378	105.372	ug/l	99
95) Naphthalene	15.41	128	539198	129.350	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	280128	112.084	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 242289

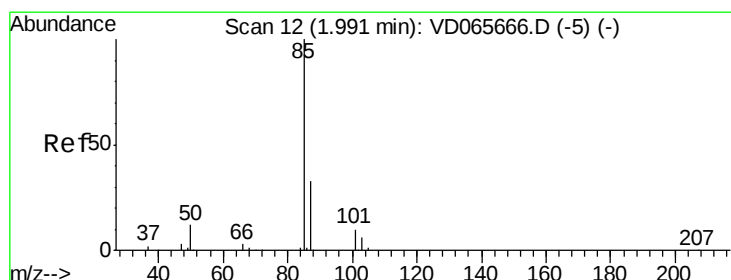
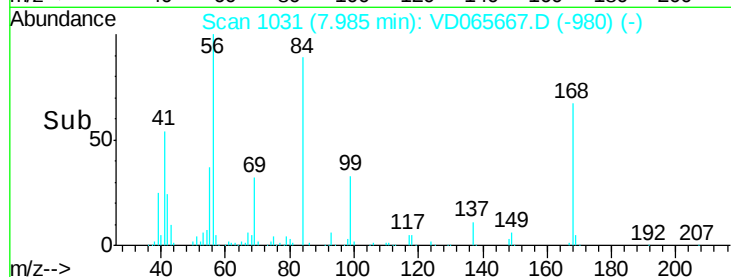
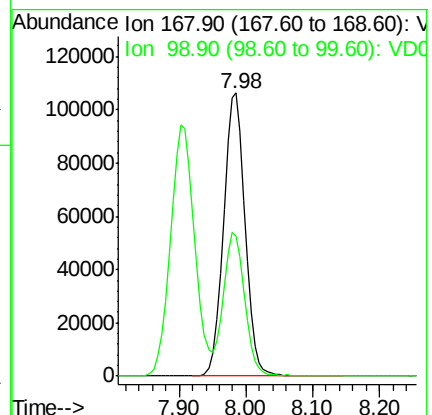
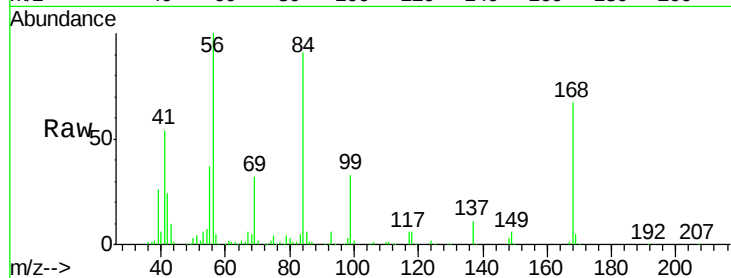
Ion Ratio Lower Upper

168 100

99 49.4 39.0 58.6

Manual Integrations
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4/23/2020 1:31:45 PM



#2

Dichlorodifluoromethane

Concen: 104.676 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065667.D

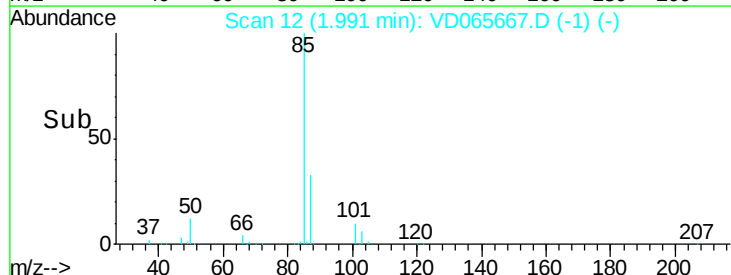
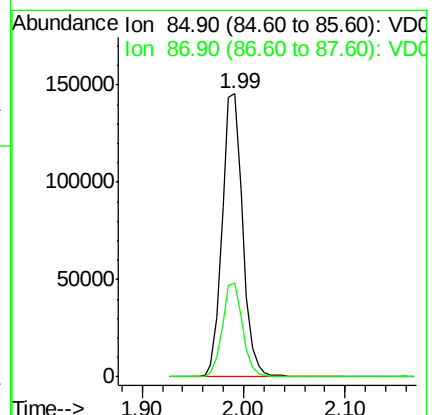
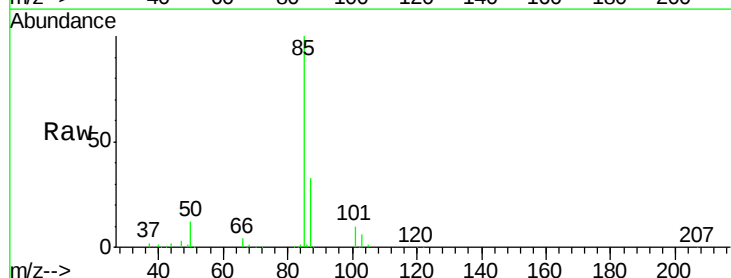
Acq: 22 Apr 2020 15:33

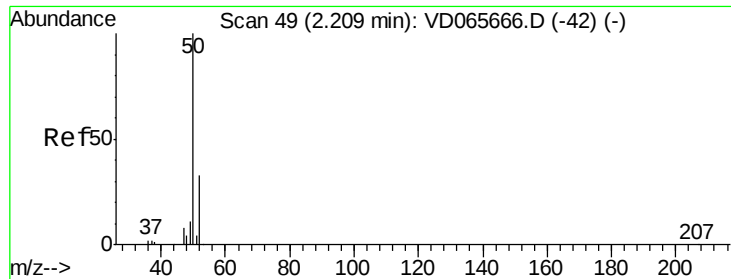
Tgt Ion: 85 Resp: 204294

Ion Ratio Lower Upper

85 100

87 33.2 16.7 50.0





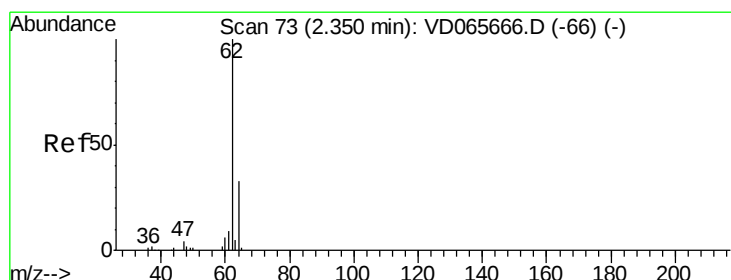
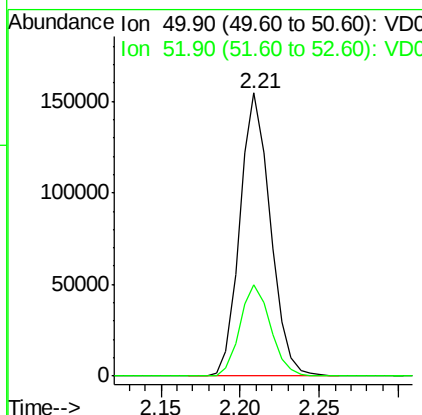
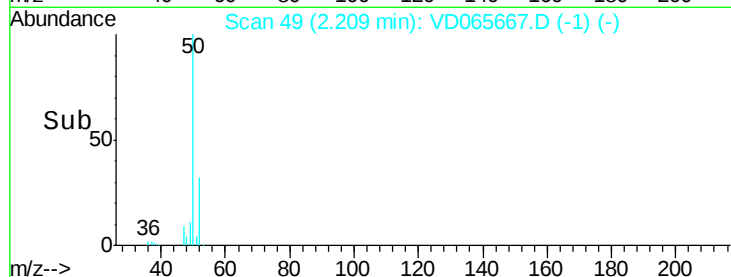
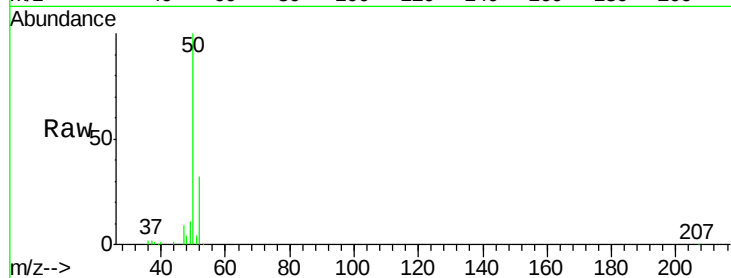
#3
Chloromethane
Concen: 96.420 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.6	39.8

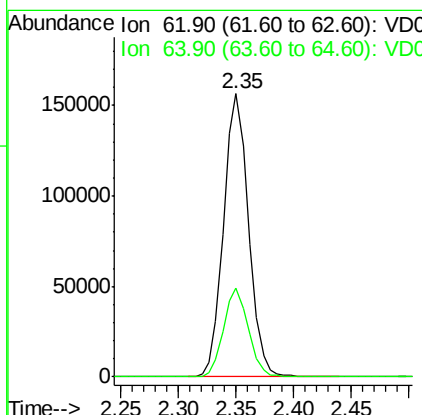
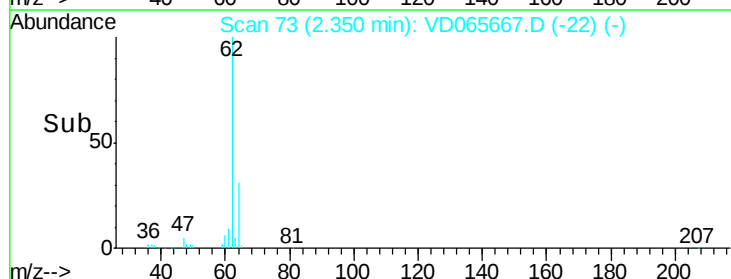
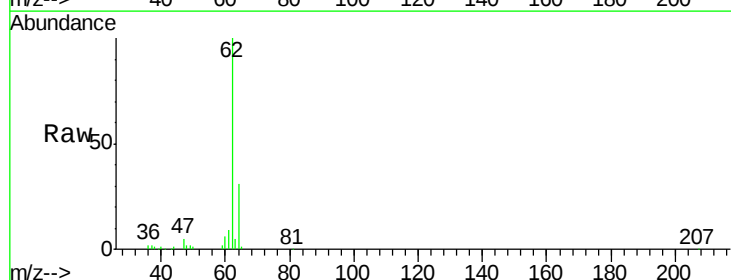
Manual Integrations
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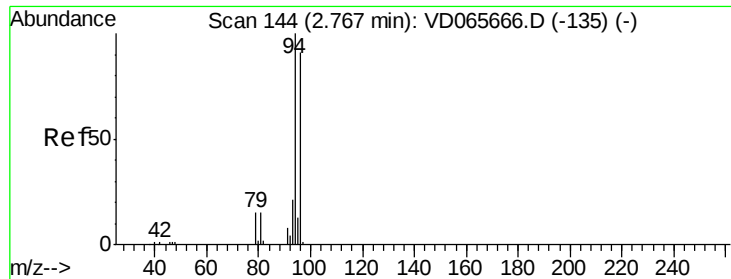
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#4
Vinyl Chloride
Concen: 100.949 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.4	26.4	39.6





#5

Bromomethane

Concen: 108.944 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 139884

Ion Ratio Lower Upper

94 100

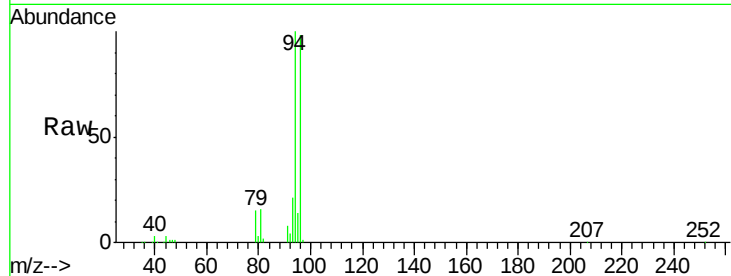
96 97.5 72.4 108.6

Manual Integrations

APPROVED

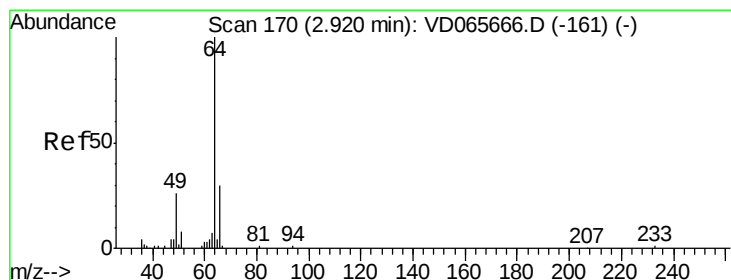
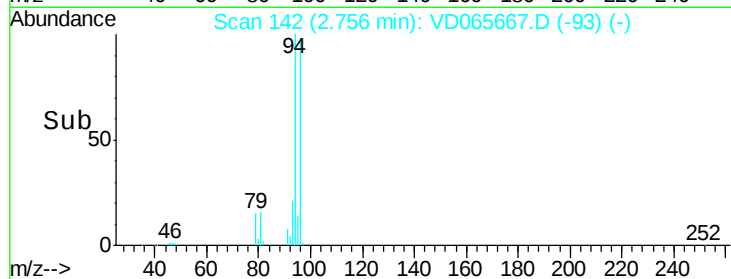
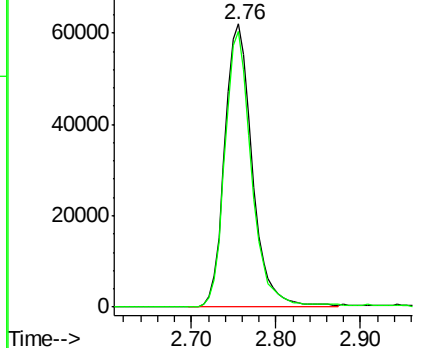
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 101.447 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065667.D

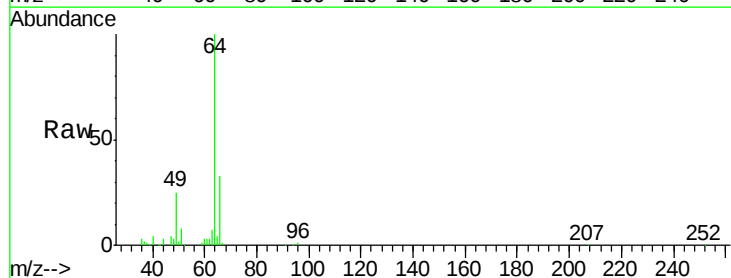
Acq: 22 Apr 2020 15:33

Tgt Ion: 64 Resp: 140944

Ion Ratio Lower Upper

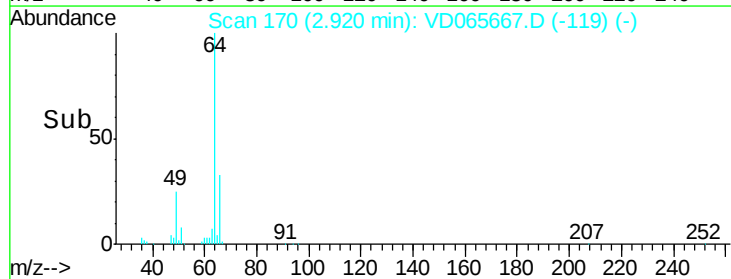
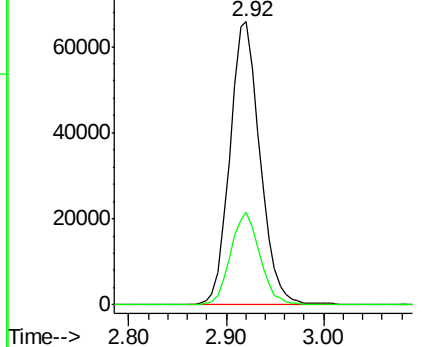
64 100

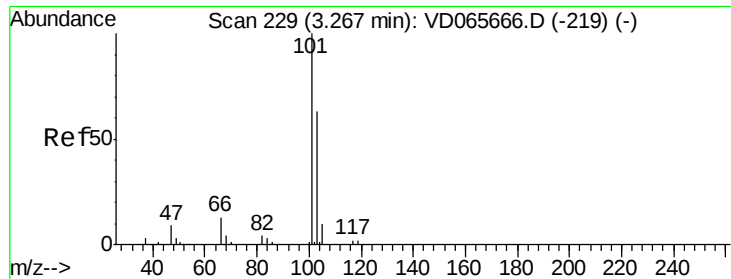
66 33.0 24.2 36.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

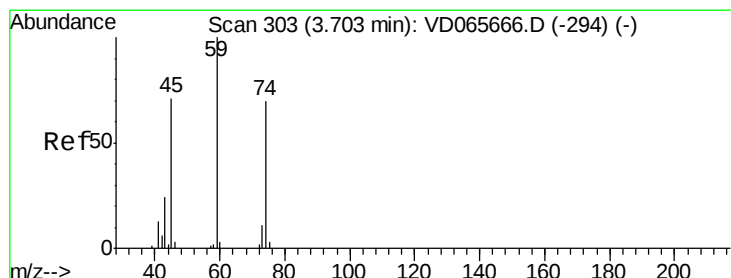
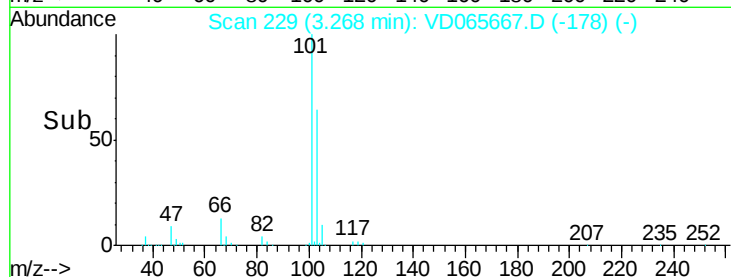
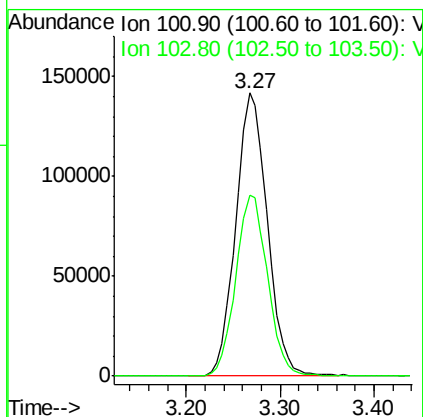
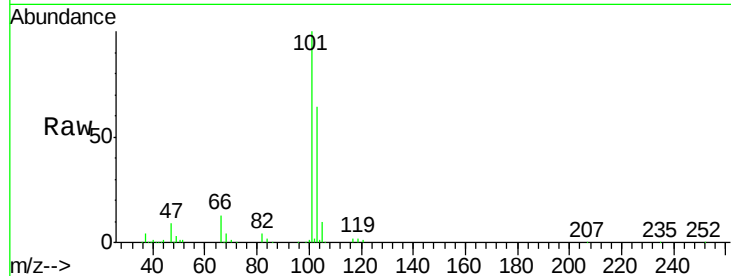
Trichlorofluoromethane
 Concen: 99.125 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD065667.D
 Acq: 22 Apr 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	50.2	75.2

Manual Integrations
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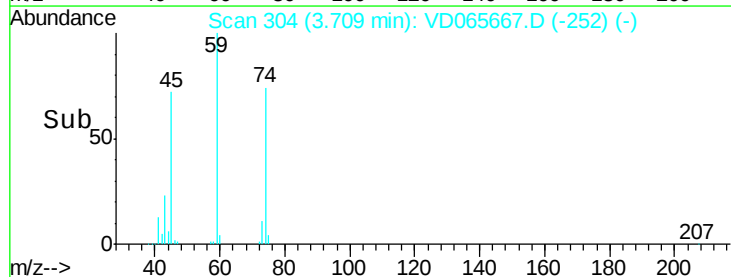
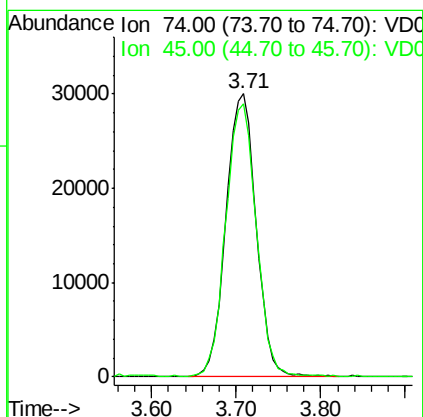
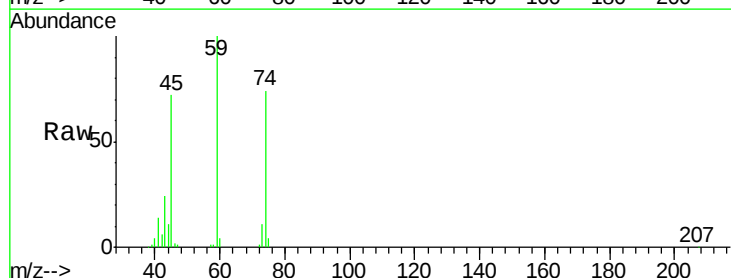
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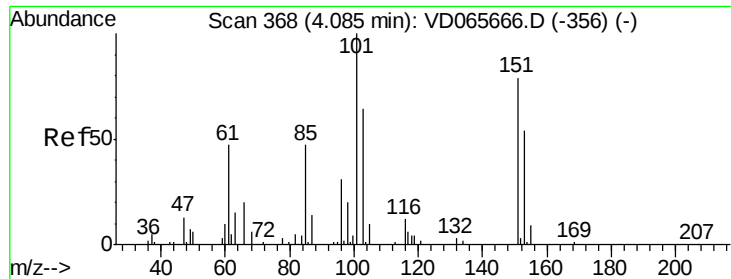


#8

Diethyl Ether
 Concen: 108.782 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD065667.D
 Acq: 22 Apr 2020 15:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.0	51.0	153.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 104.542 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Instrument :

MSVOA_D

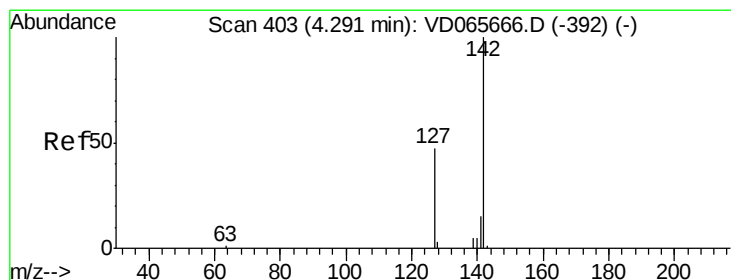
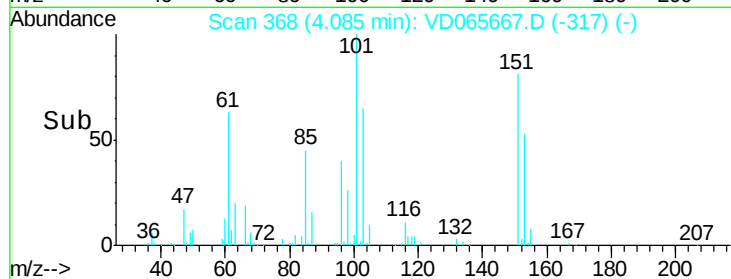
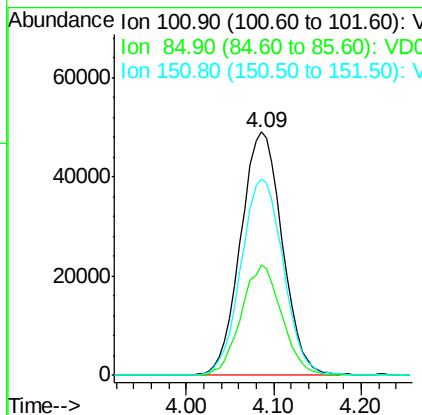
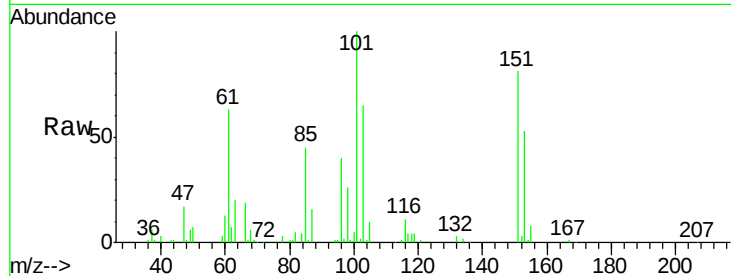
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	159397
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.6	53.4
151	82.0	65.4	98.0

Manual Integrations
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4/23/2020 1:31:45 PM



#10

Methyl Iodide

Concen: 92.982 ug/l

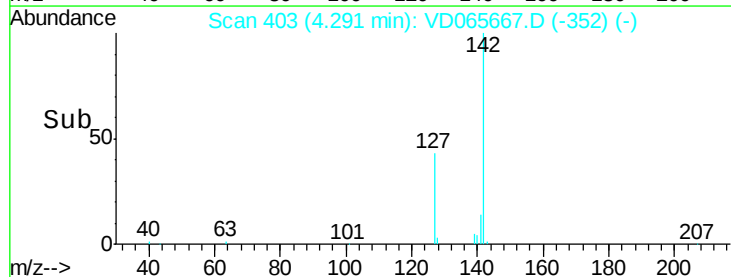
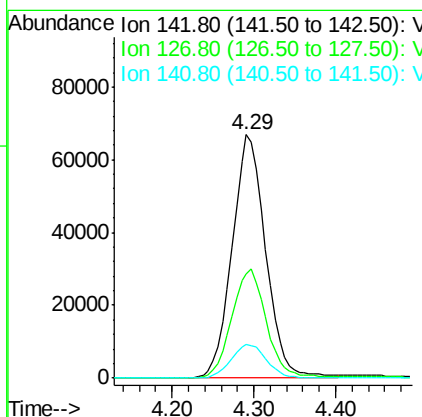
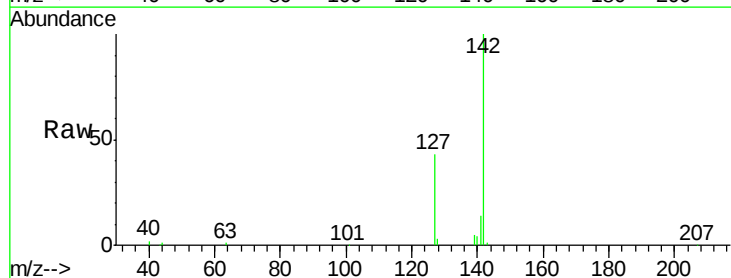
RT: 4.29 min Scan# 403

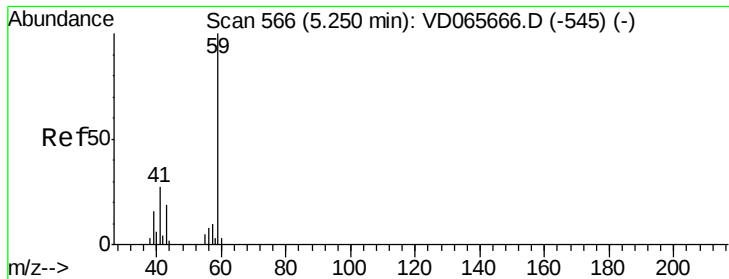
Delta R.T. 0.00 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Tgt Ion:	142	Resp:	191366
Ion Ratio	Lower	Upper	
142	100		
127	46.1	38.2	57.2
141	14.6	12.1	18.1





#11

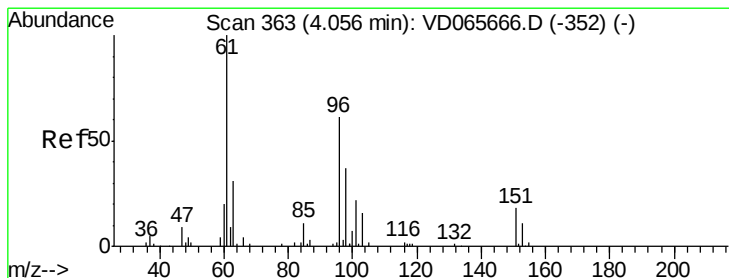
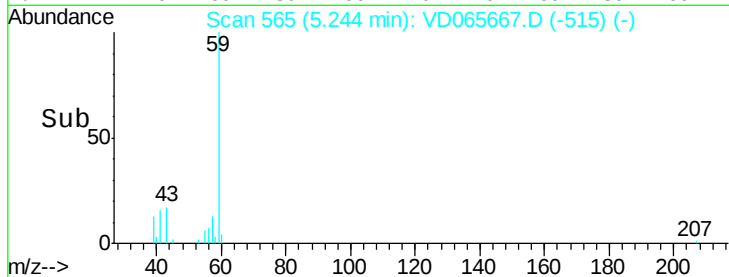
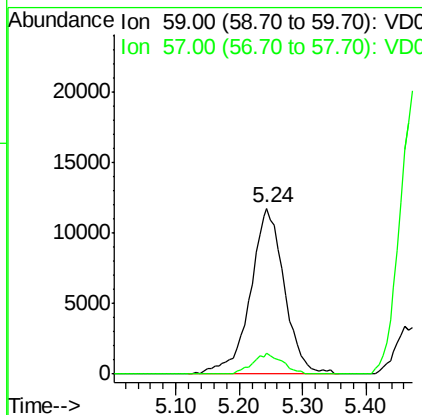
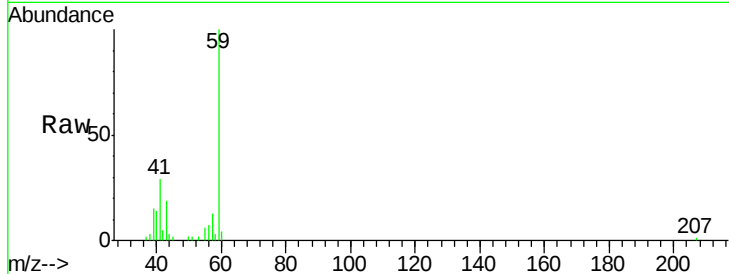
Tert butyl alcohol
Concen: 388.905 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	59	Resp	43840
Ion Ratio	100	Lower	Upper
57	10.9	7.5	11.3

Manual Integrations
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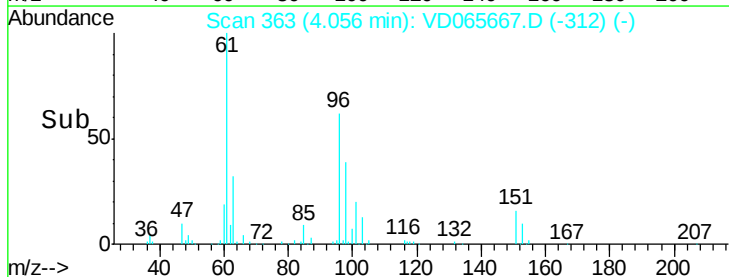
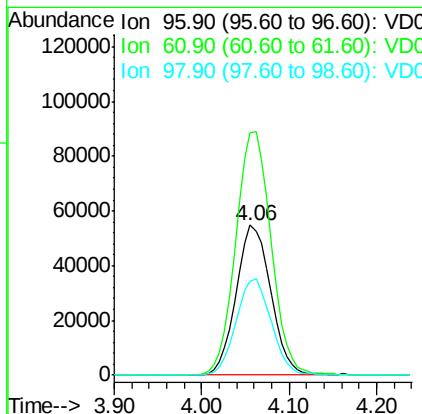
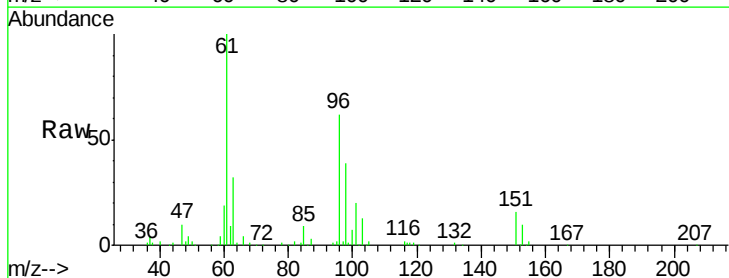
MMDadoda
4/23/2020 1:31:45 PM

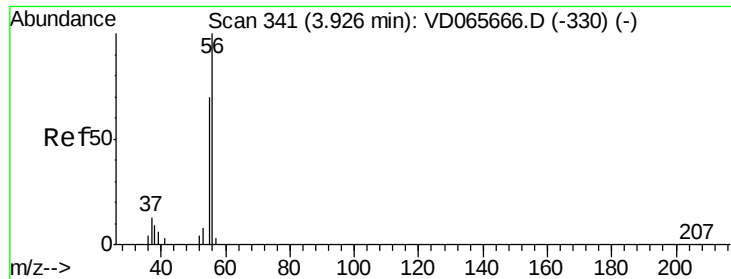


#12

1,1-Dichloroethene
Concen: 108.016 ug/l
RT: 4.06 min Scan# 363
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Tgt Ion	96	Resp	148094
Ion Ratio	100	Lower	Upper
61	161.7	131.8	197.6
98	62.6	48.2	72.4





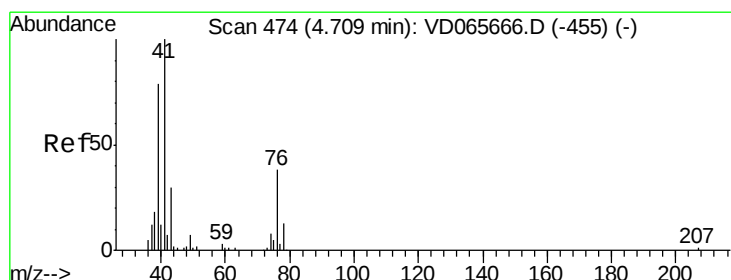
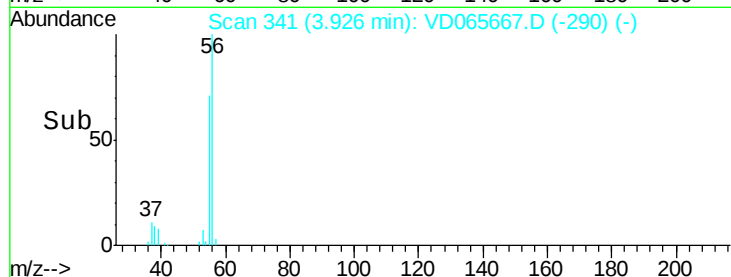
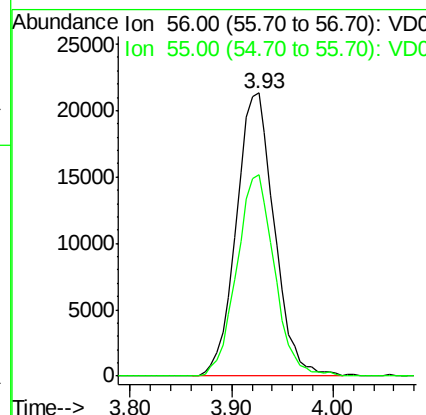
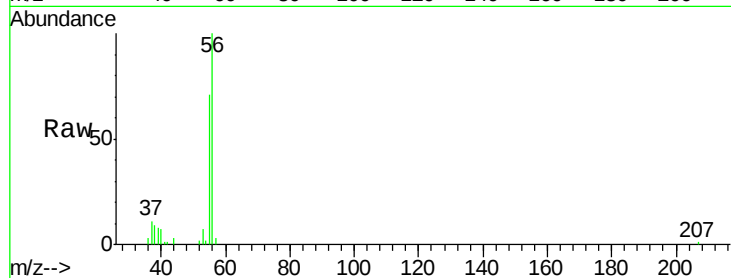
#13
Acrolein
Concen: 627.749 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	56	Resp	55513
Ion Ratio	100	Lower	Upper
55	70.4	57.3	85.9

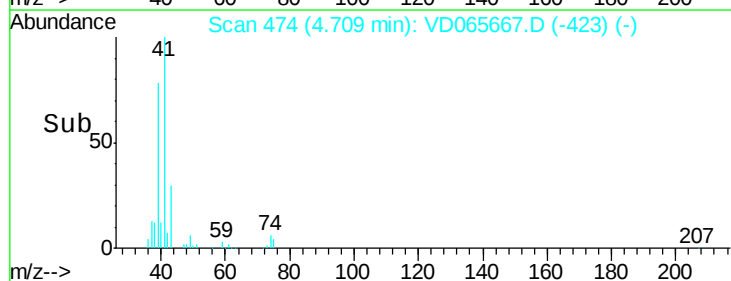
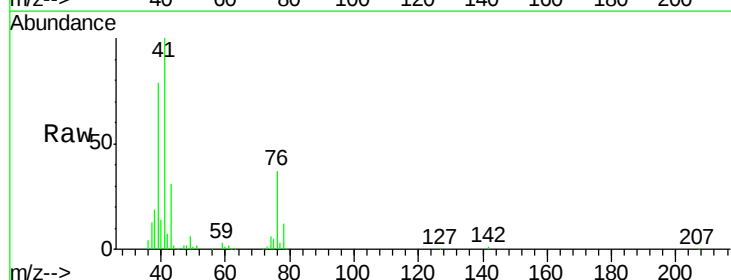
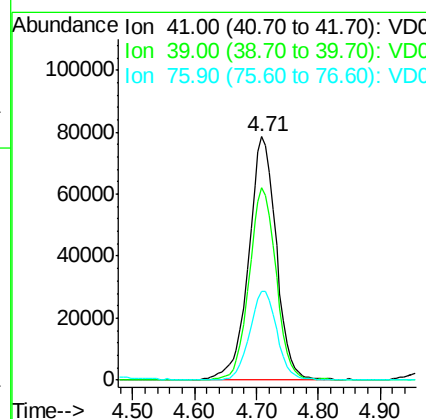
Manual Integrations
APPROVED

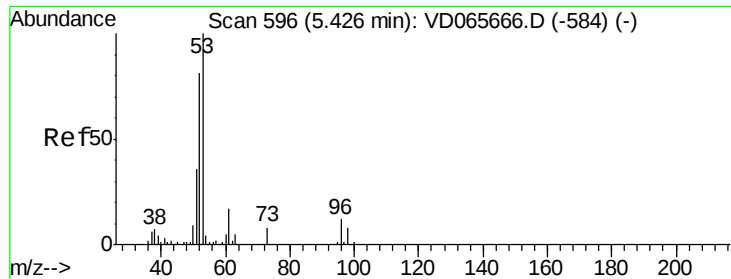
MMDadoda
4/23/2020 1:31:45 PM



#14
Allyl chloride
Concen: 96.034 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Tgt Ion	41	Resp	244639
Ion Ratio	100	Lower	Upper
39	77.3	60.7	91.1
76	36.1	29.3	43.9





#15

Acrylonitrile

Concen: 397.076 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Instrument :

MSVOA_D

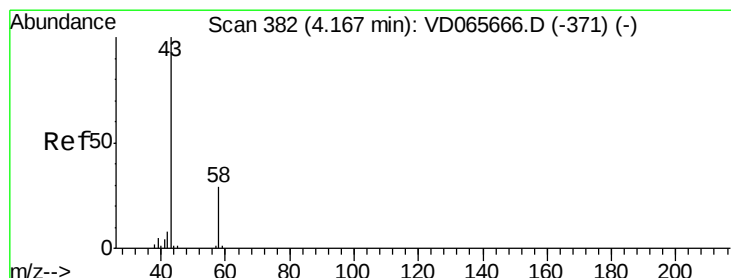
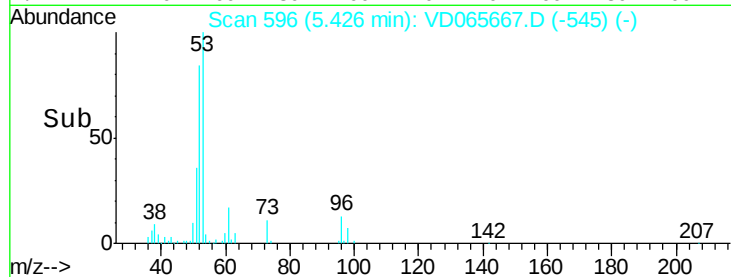
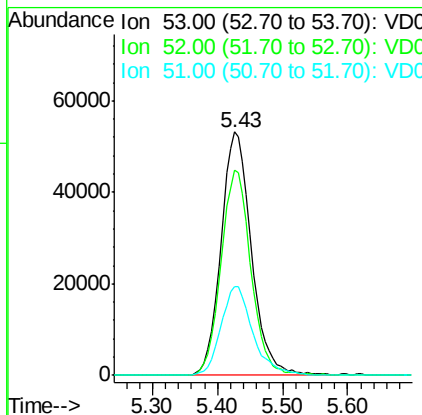
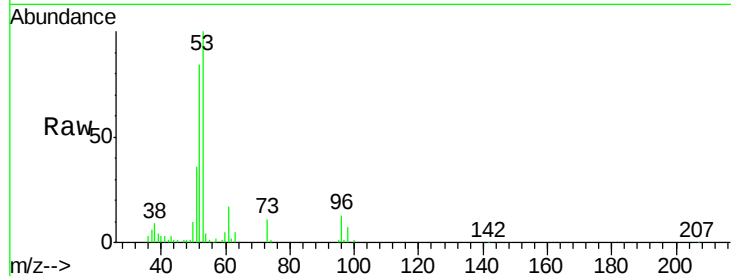
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	171942
Ion	Ratio	Lower	Upper
53	100		
52	83.0	64.2	96.2
51	38.4	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
4/23/2020 1:31:45 PM



#16

Acetone

Concen: 510.551 ug/l

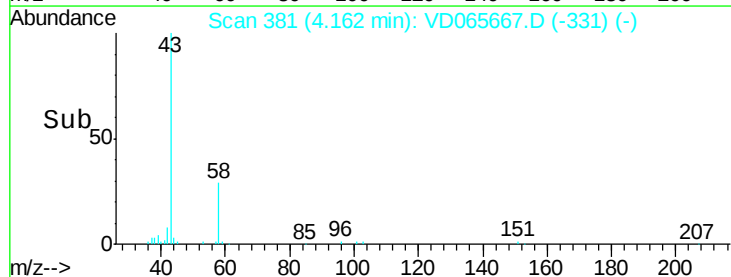
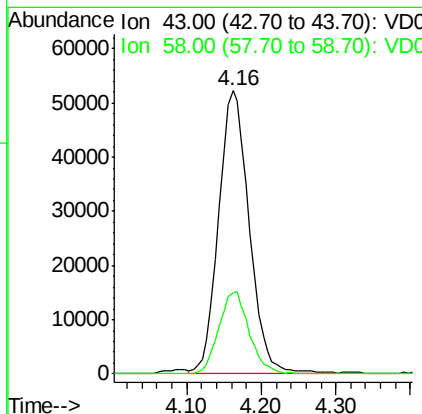
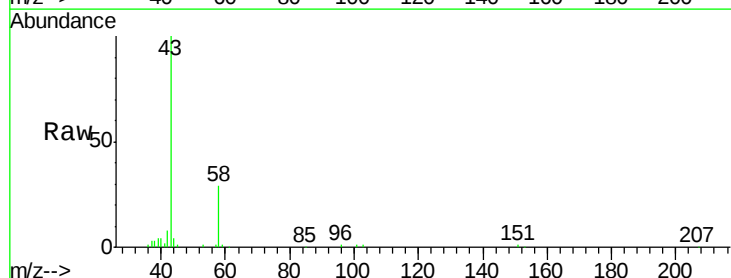
RT: 4.16 min Scan# 381

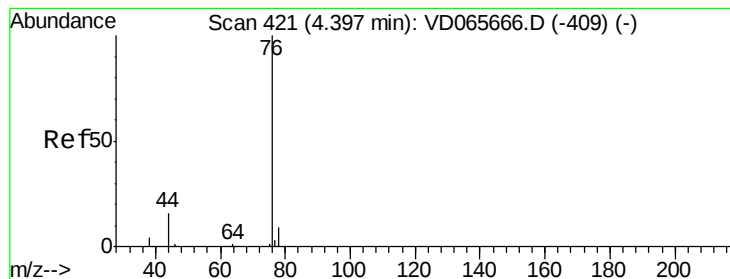
Delta R.T. -0.01 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Tgt Ion:	43	Resp:	148272
Ion	Ratio	Lower	Upper
43	100		
58	28.9	22.6	34.0





#17

Carbon Disulfide

Concen: 93.173 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 497002

Ion Ratio Lower Upper

76 100

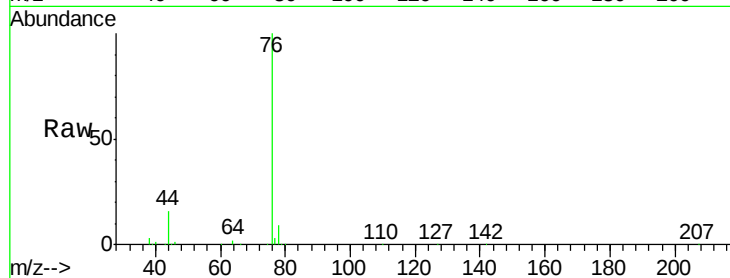
78 9.1 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

200000

150000

100000

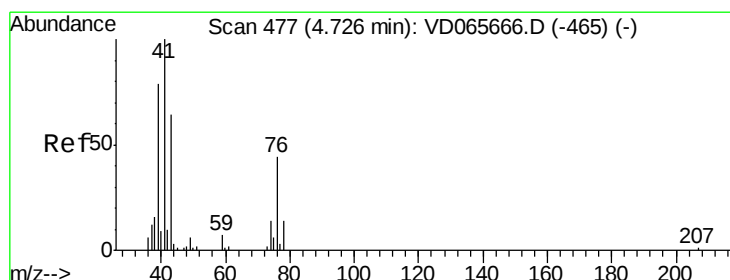
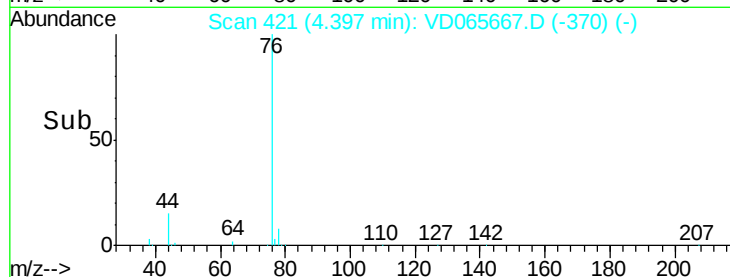
50000

0

4.40

4.20 4.30 4.40 4.50 4.60

Time-->



#18

Methyl Acetate

Concen: 91.044 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065667.D

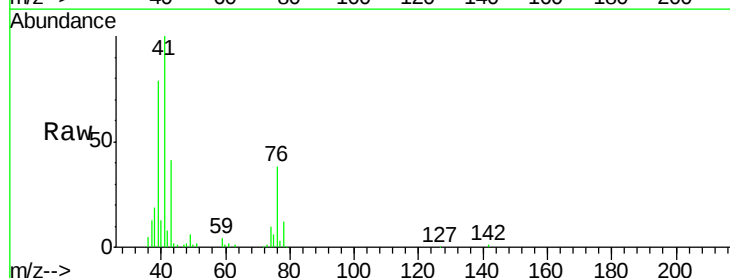
Acq: 22 Apr 2020 15:33

Tgt Ion: 43 Resp: 86719

Ion Ratio Lower Upper

43 100

74 23.1 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

30000

25000

20000

15000

10000

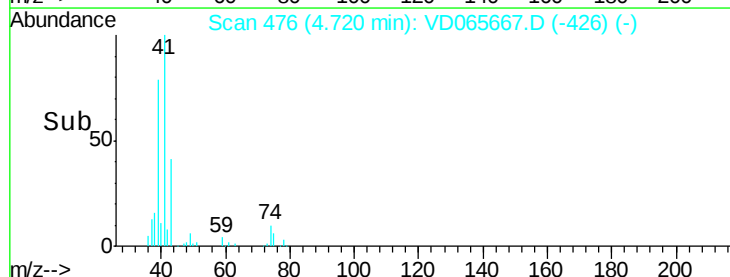
5000

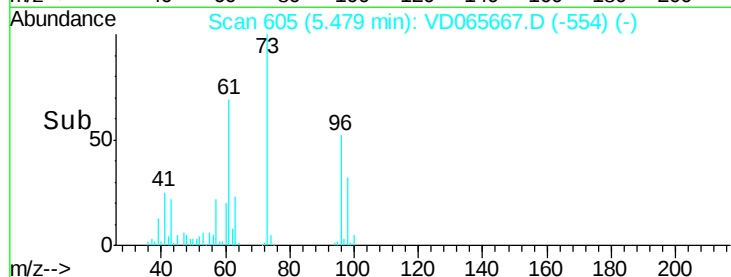
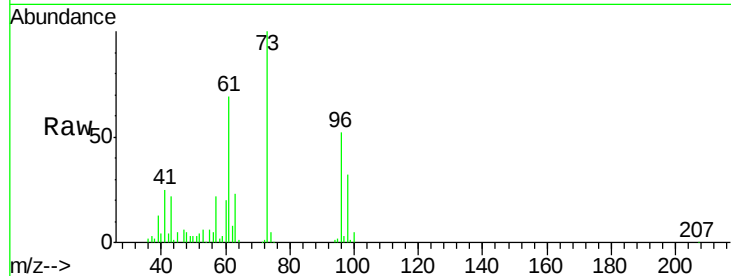
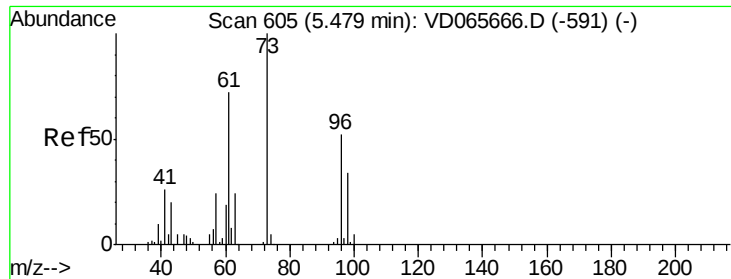
0

4.72

4.60 4.70 4.80 4.90

Time-->





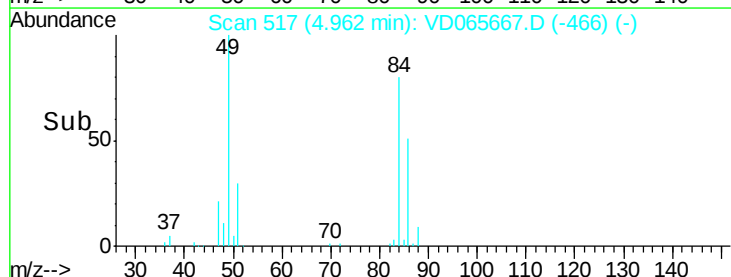
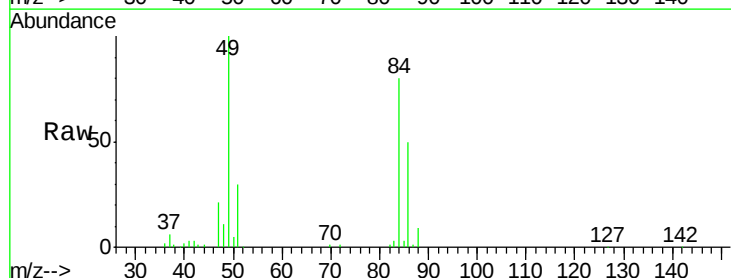
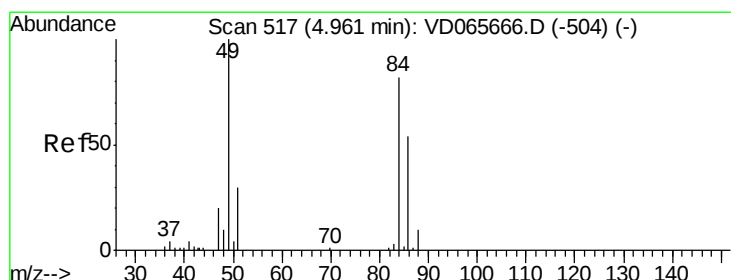
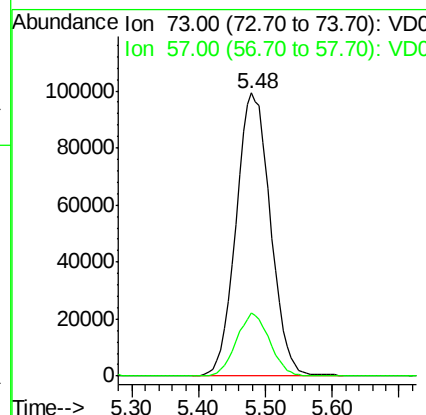
#19
Methyl tert-butyl Ether
Concen: 88.129 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Tot Ion: 73 Resp: 353915
Ion Ratio Lower Upper
73 100
57 22.2 19.6 29.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

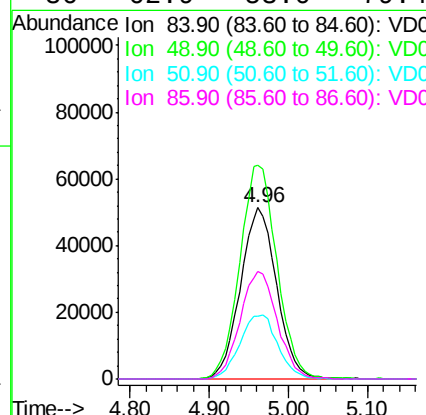
Manual Integrations
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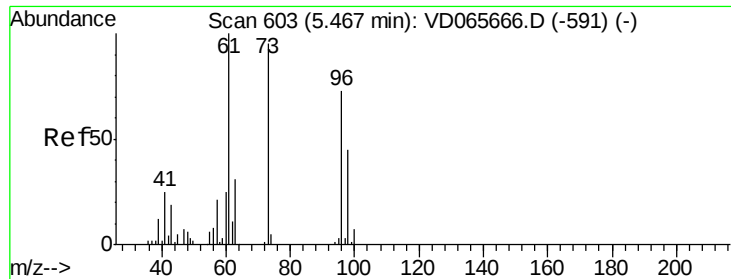
MMDadoda
4/23/2020 1:31:45 PM



#20
Methylene Chloride
Concen: 71.211 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Tgt Ion: 84 Resp: 162818
Ion Ratio Lower Upper
84 100
49 124.7 97.7 146.5
51 36.9 29.4 44.2
86 62.9 53.0 79.4





#21

trans-1,2-Dichloroethene

Concen: 77.502 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 179485

Ion Ratio Lower Upper

96 100

61 139.0 109.6 164.4

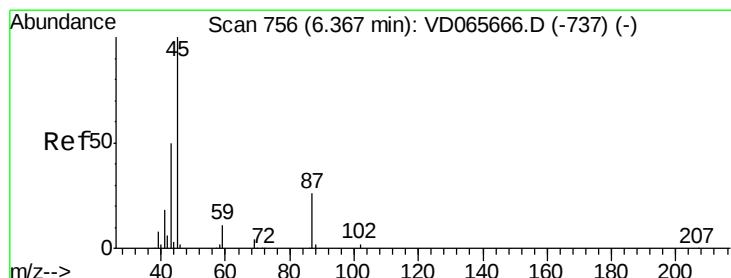
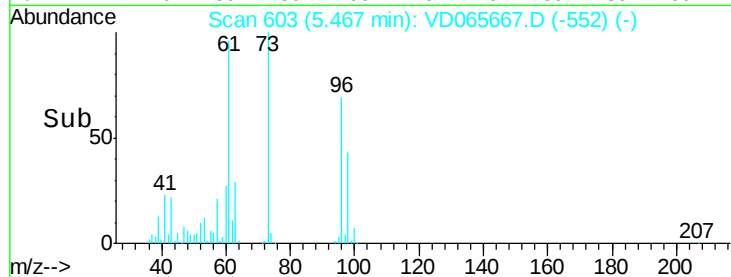
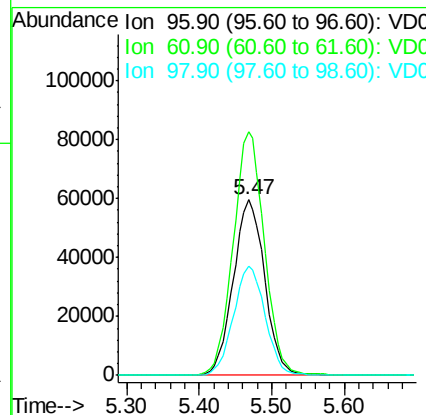
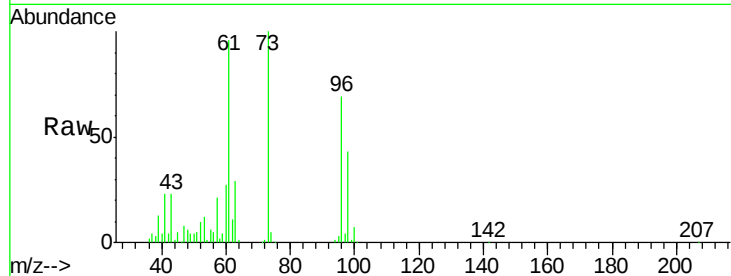
98 62.6 49.3 73.9

Manual Integrations

APPROVED

MMDadoda

4/23/2020 1:31:45 PM



#22

Diisopropyl ether

Concen: 83.147 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Tgt Ion: 45 Resp: 515773

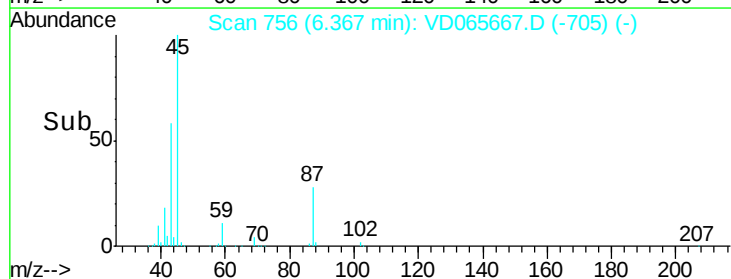
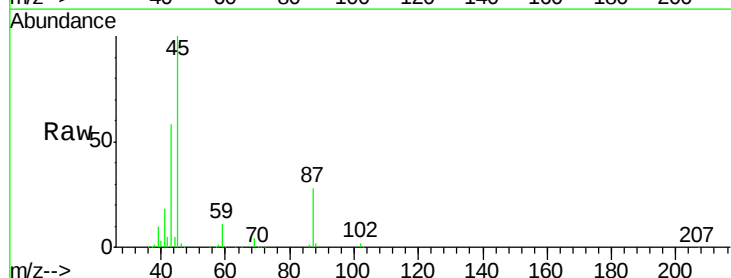
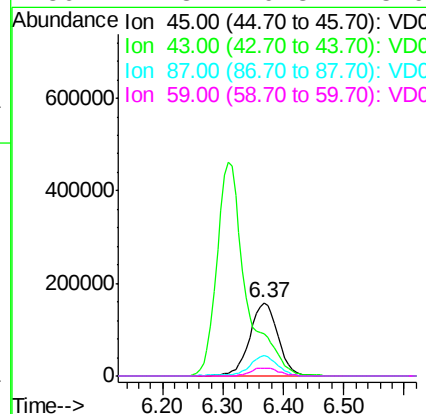
Ion Ratio Lower Upper

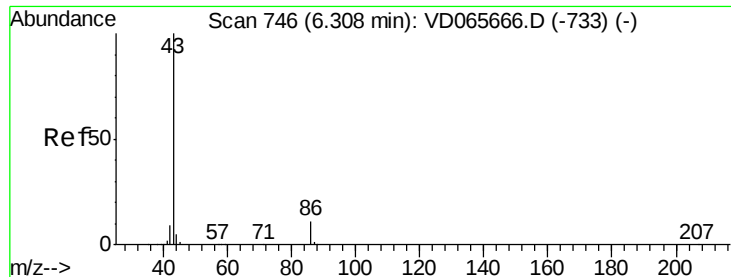
45 100

43 57.2 41.9 62.9

87 27.5 21.6 32.4

59 11.3 9.3 13.9





#23

Vinyl Acetate

Concen: 466.210 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC100

Tot Ion: 43 Resp: 1541172

Ion Ratio Lower Upper

43 100

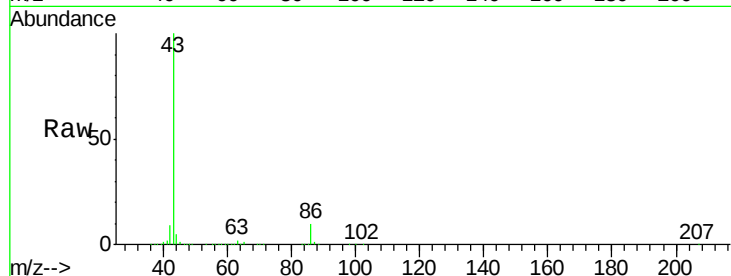
86 10.3 8.7 13.1

Manual Integrations

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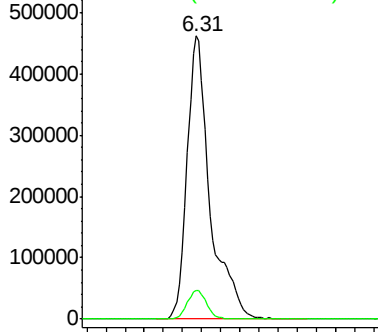
MMDadoda

4/23/2020 1:31:45 PM

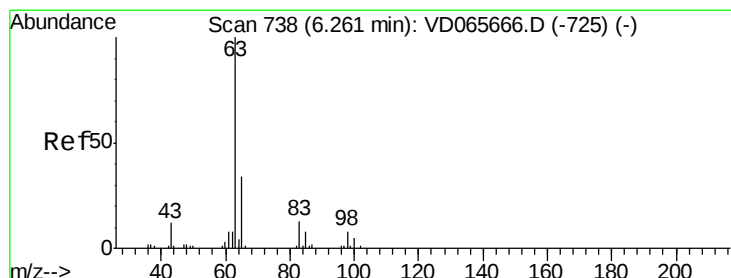
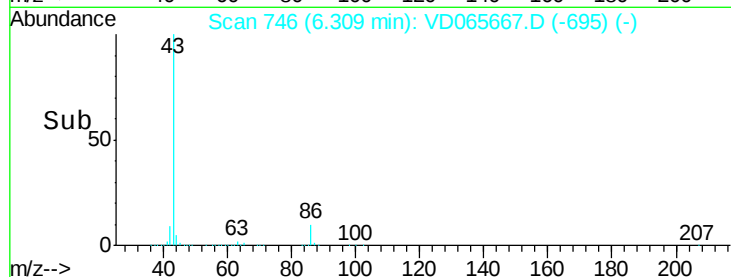


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 76.212 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

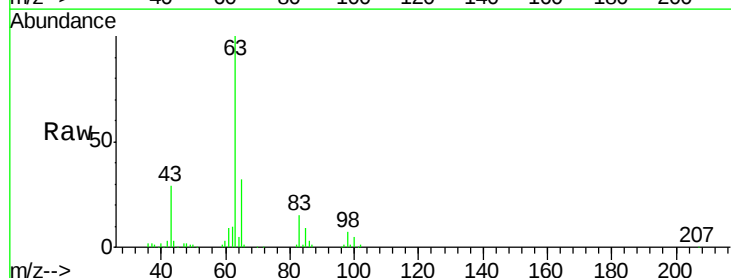
Tgt Ion: 63 Resp: 301338

Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

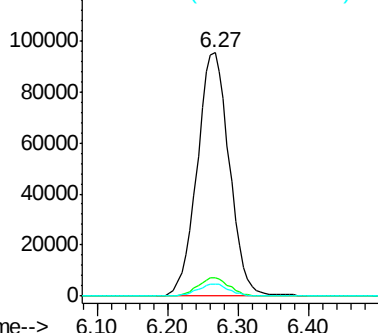
100 4.7 2.3 6.9



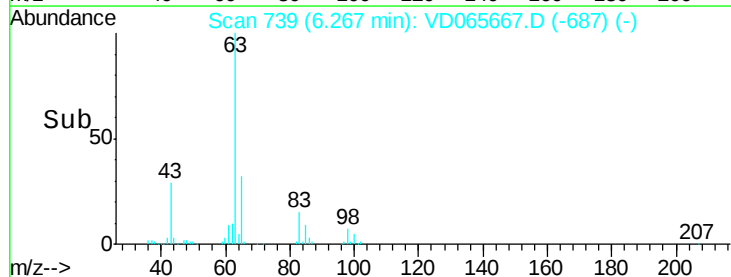
Abundance Ion 62.90 (62.60 to 63.60): VDC

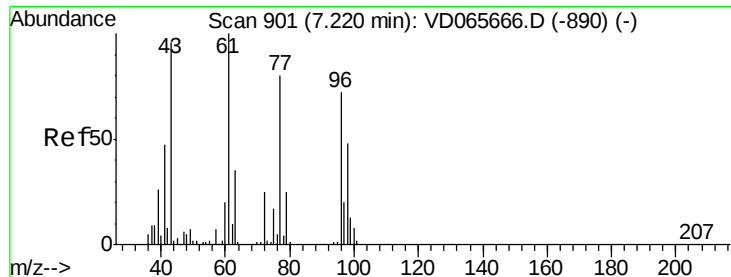
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





#25

2-Butanone

Concen: 568.191 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 300888

Ion Ratio Lower Upper

43 100

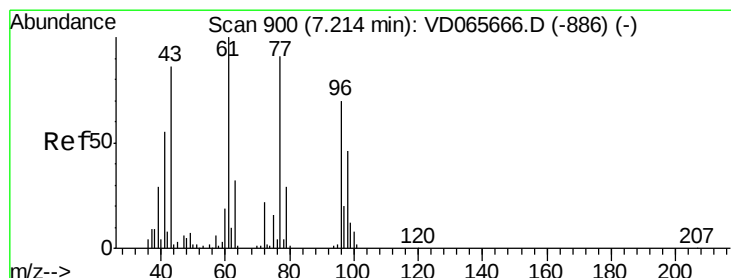
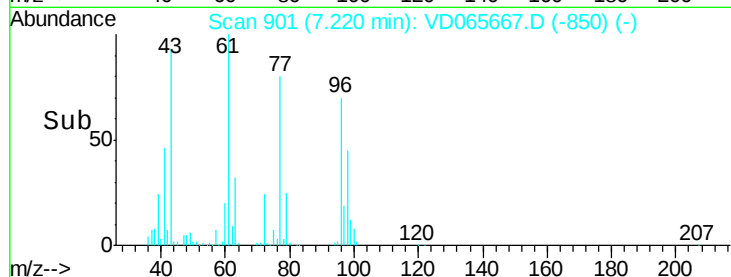
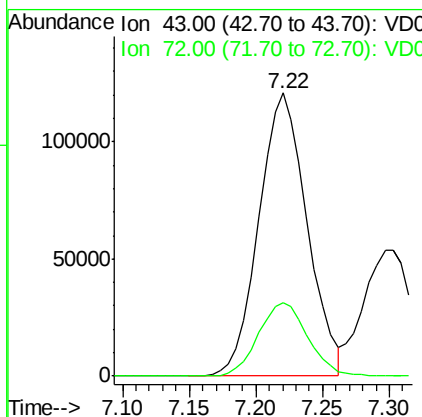
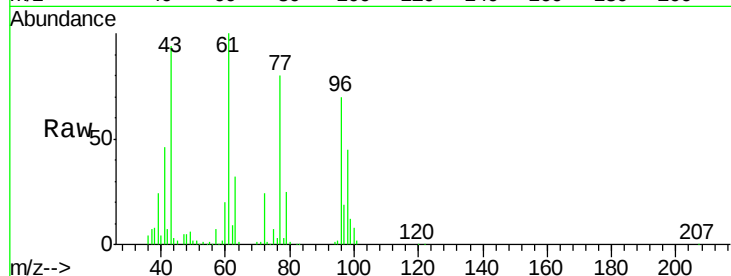
72 25.9 21.1 31.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 101.670 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065667.D

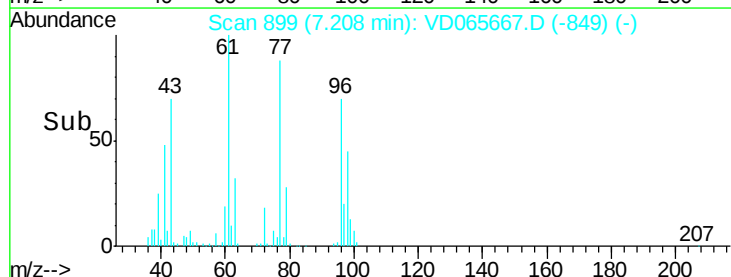
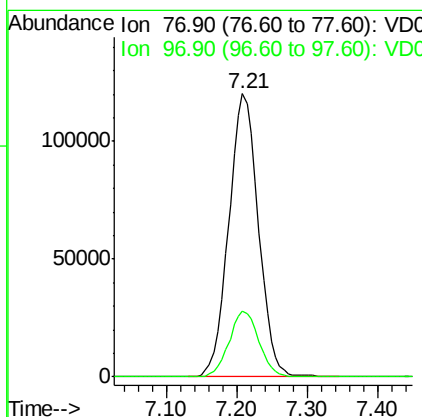
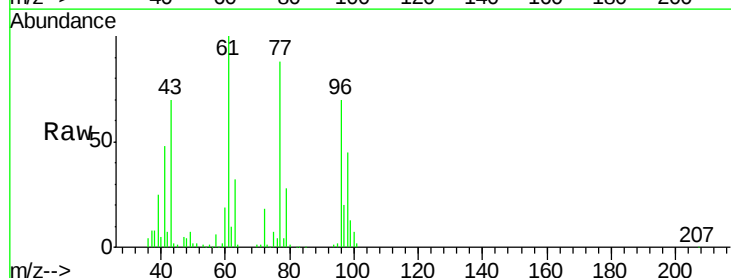
Acq: 22 Apr 2020 15:33

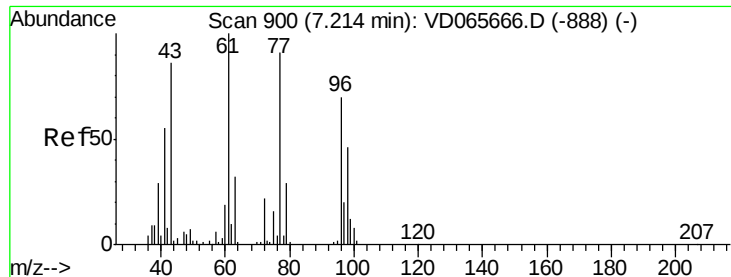
Tgt Ion: 77 Resp: 350058

Ion Ratio Lower Upper

77 100

97 23.3 11.5 34.4





#27

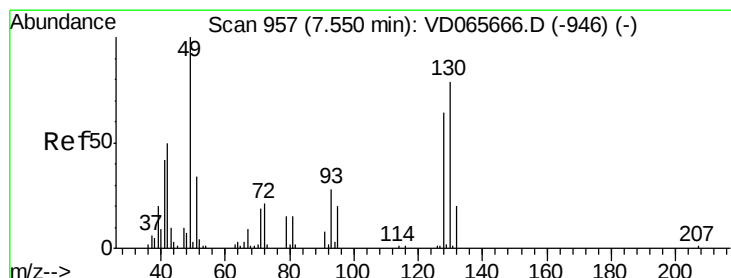
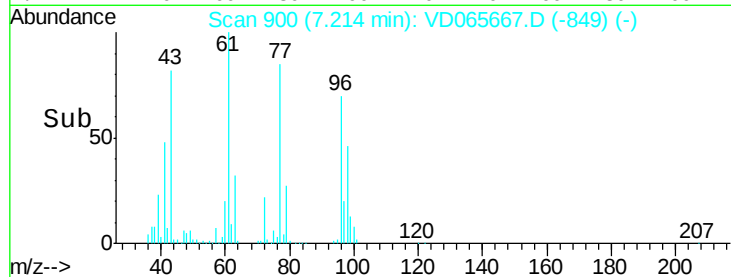
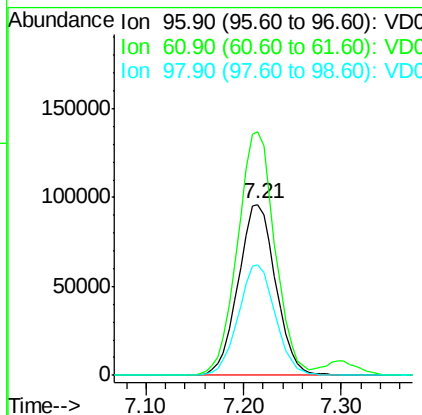
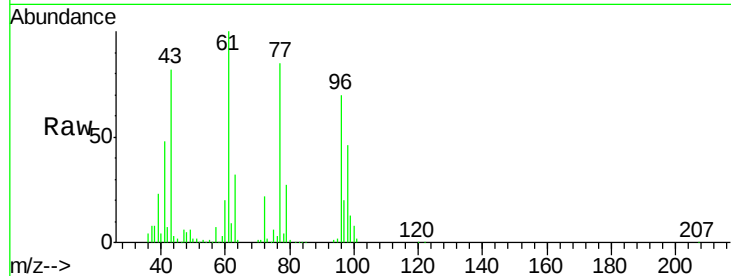
cis-1,2-Dichloroethene
 Concen: 107.197 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065667.D
 Acq: 22 Apr 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	258401		
61	142.1	0.0	290.4	
98	64.1	0.0	131.0	

Manual Integrations
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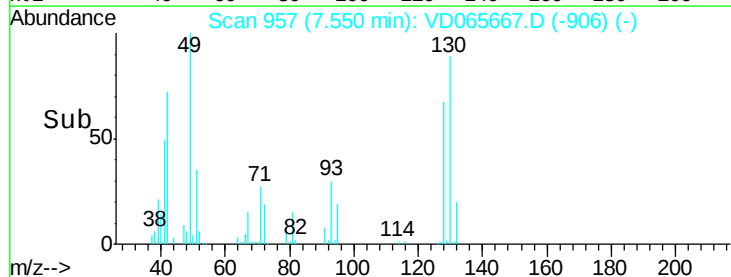
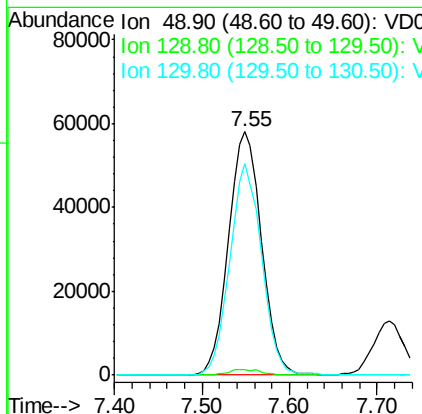
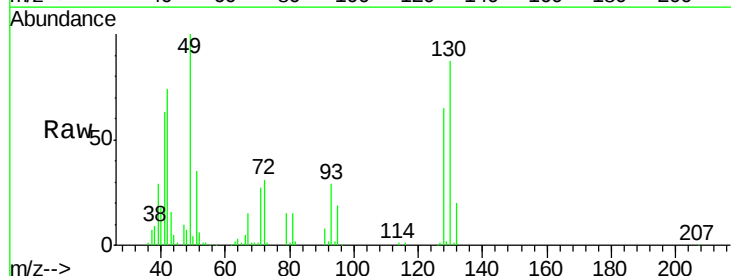
MMDadoda
 4/23/2020 1:31:45 PM

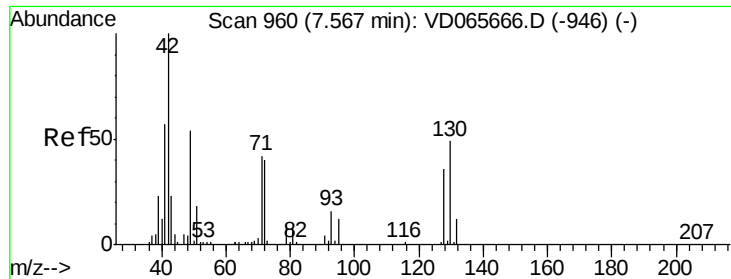


#28

Bromochloromethane
 Concen: 92.162 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065667.D
 Acq: 22 Apr 2020 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	148768		
129	2.3	0.0	5.0	
130	83.6	66.3	99.5	





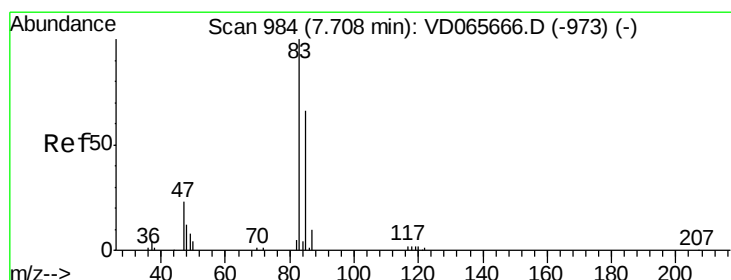
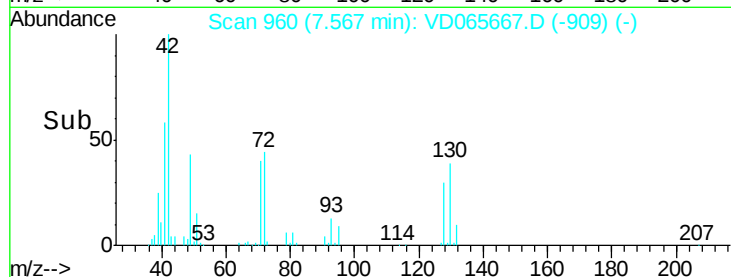
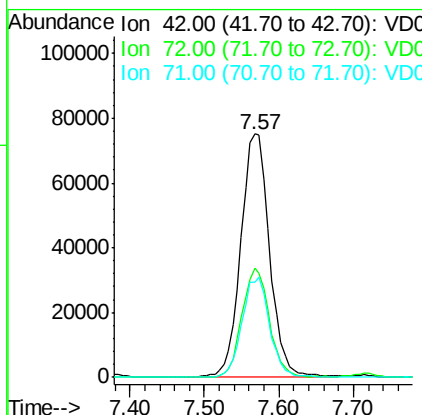
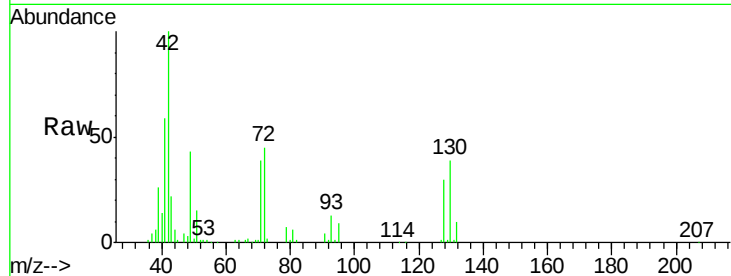
#29
Tetrahydrofuran
Concen: 600.835 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	33.8	50.6
71	39.4	30.7	46.1

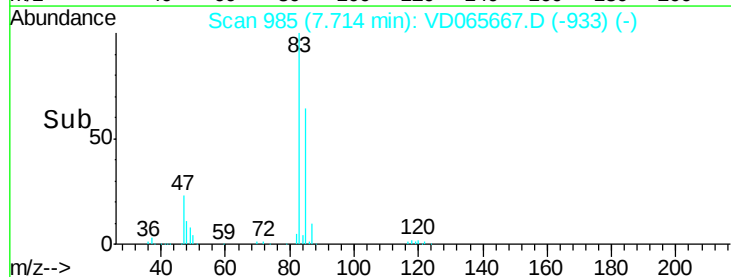
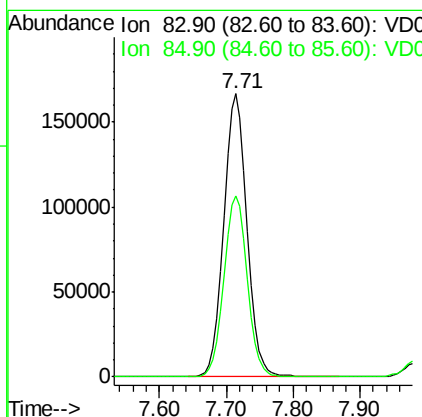
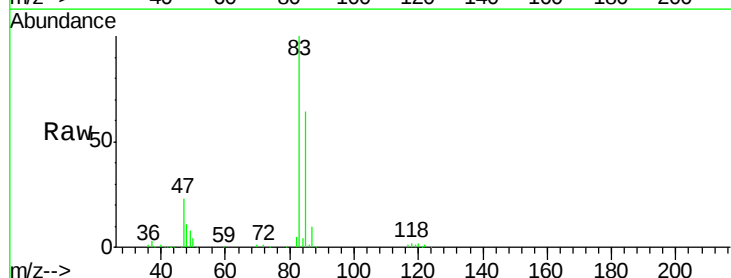
Manual Integrations
APPROVED

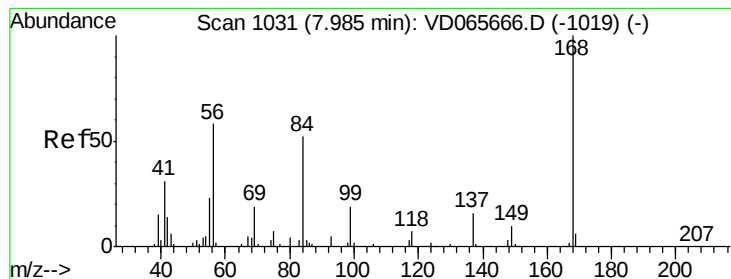
MMDadoda
4/23/2020 1:31:45 PM



#30
Chloroform
Concen: 101.425 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.5	78.7





#31

Cyclohexane

Concen: 104.524 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Instrument :

MSVOA_D

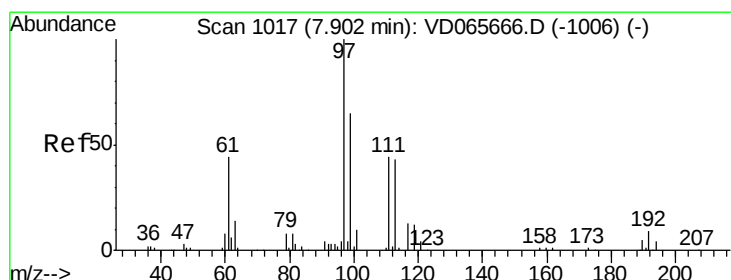
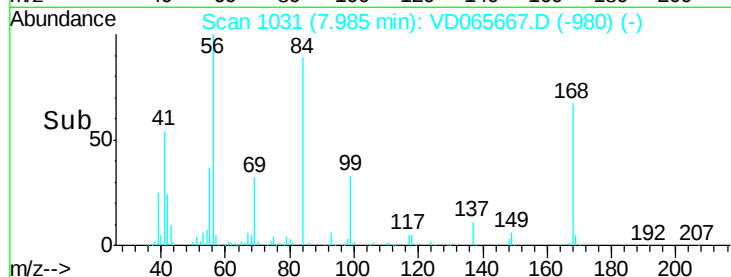
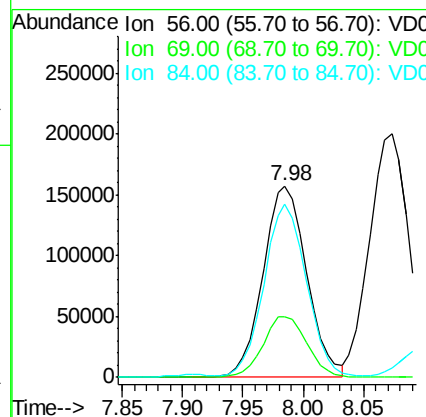
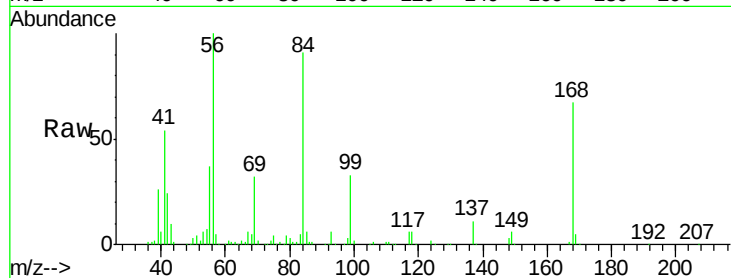
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	393740
Ion Ratio	Lower	Upper	
56	100		
69	31.7	26.3	39.5
84	89.2	71.4	107.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 102.636 ug/l

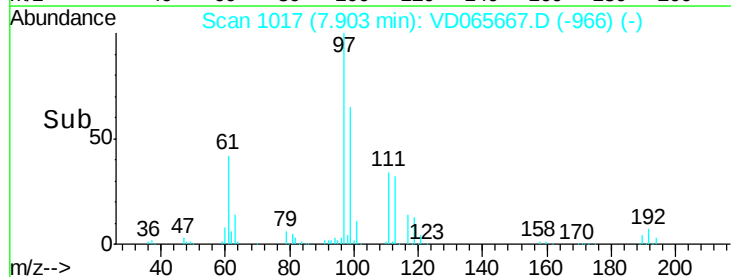
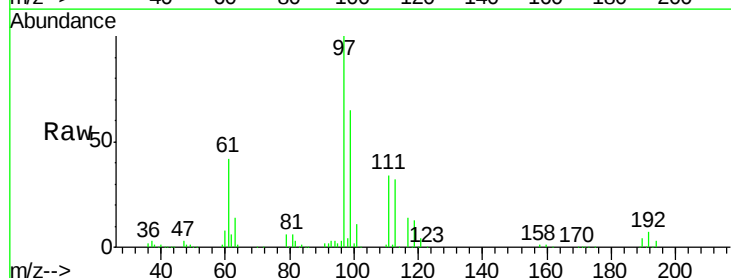
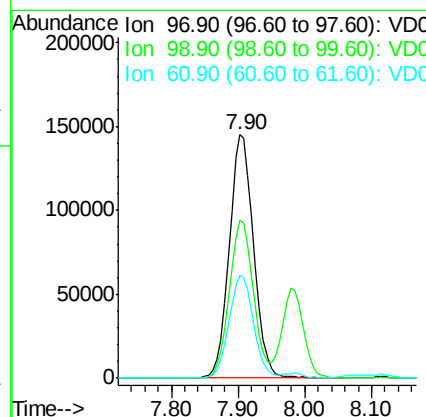
RT: 7.90 min Scan# 1017

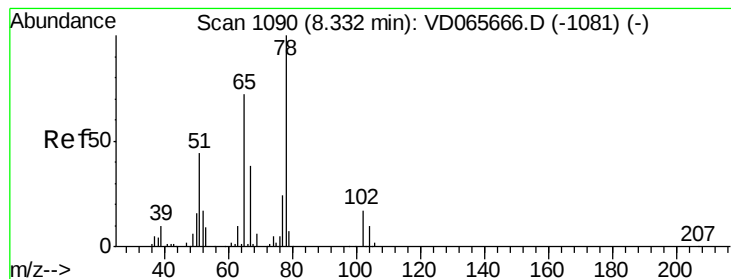
Delta R.T. 0.00 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Tgt Ion:	97	Resp:	373484
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.1	76.7
61	42.3	35.8	53.6





#33

1,2-Dichloroethane-d4

Concen: 90.207 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 184689

Ion Ratio Lower Upper

65 100

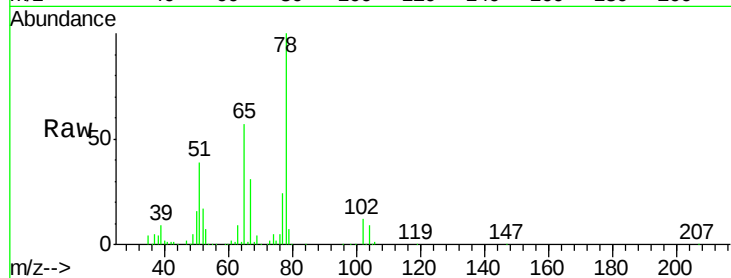
67 53.8 0.0 107.0

Manual Integrations

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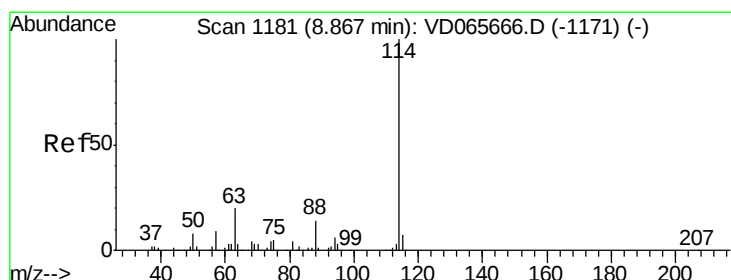
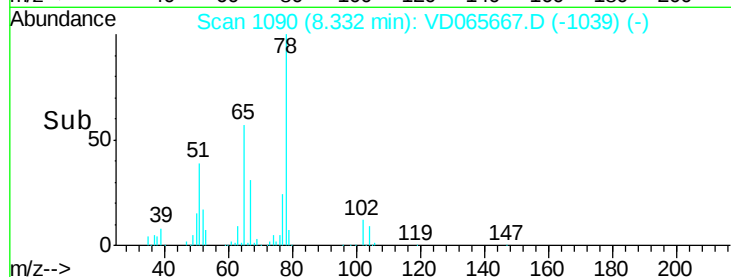
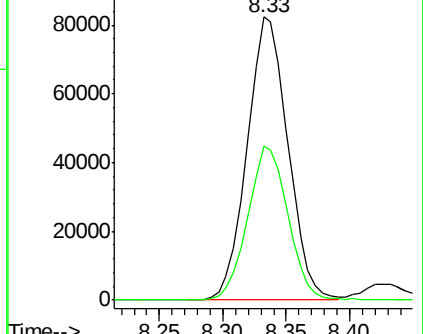
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

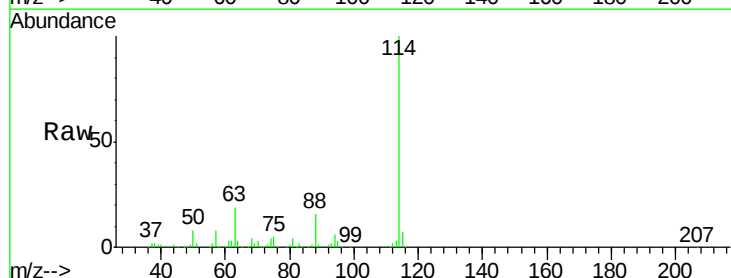
Tgt Ion: 114 Resp: 327776

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.2

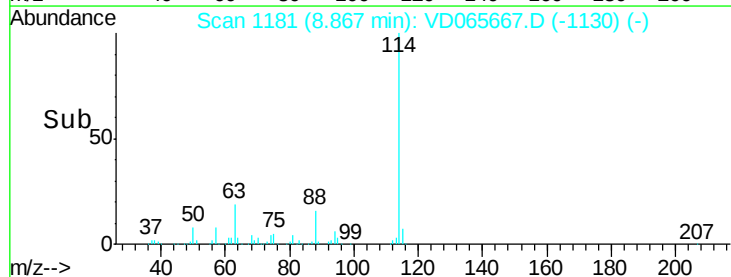
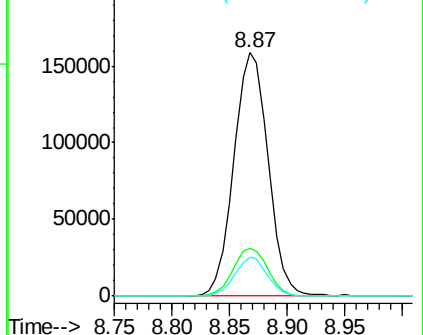
88 15.9 0.0 28.4

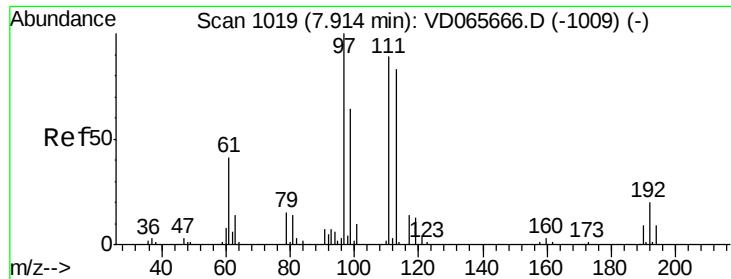


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





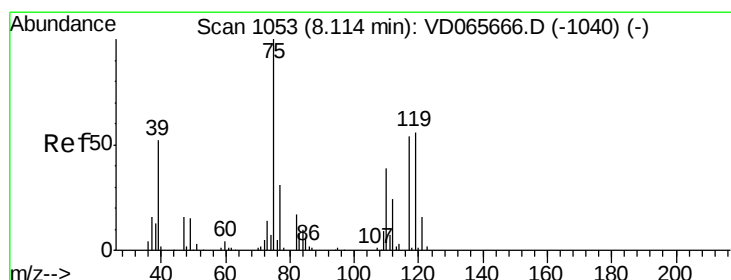
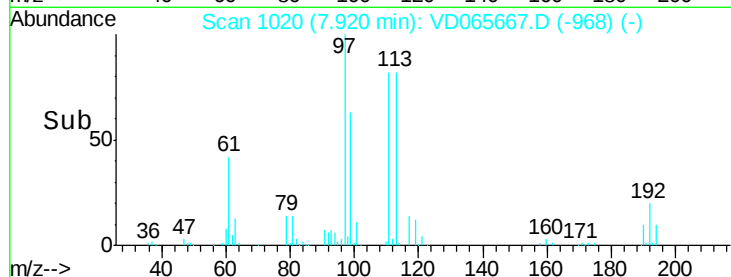
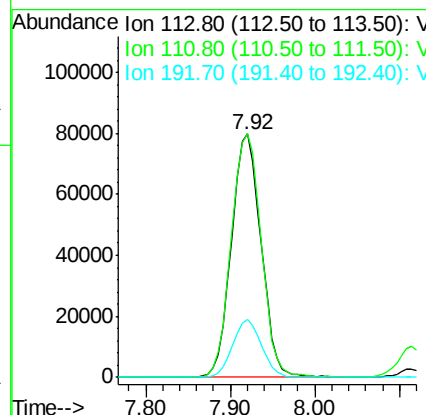
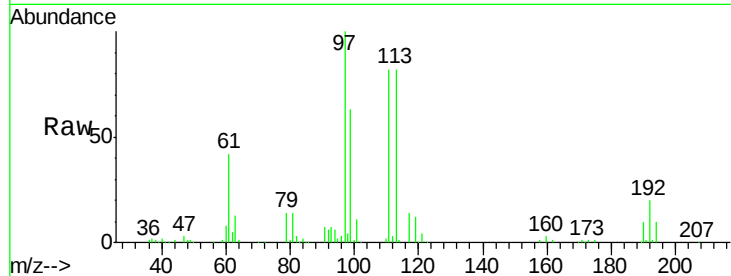
#35
 Dibromofluoromethane
 Concen: 94.275 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD065667.D
 Acq: 22 Apr 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	192545		
111	101.7	83.2	124.8	
192	23.2	18.6	28.0	

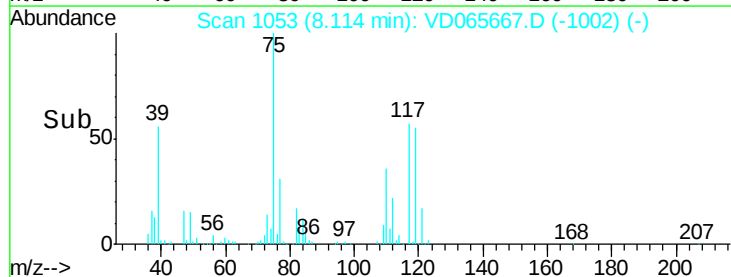
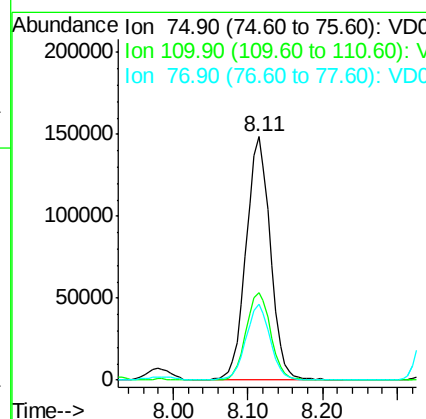
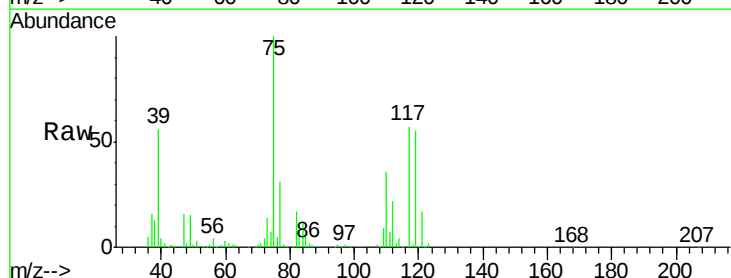
Manual Integrations
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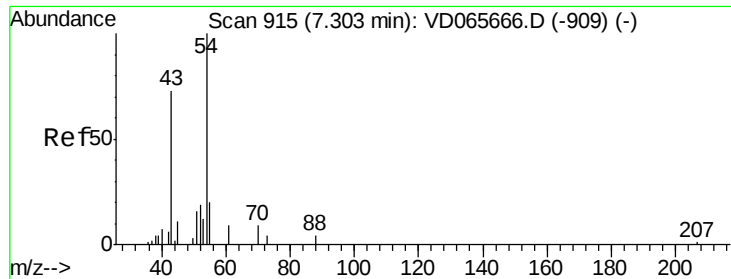
MMDadoda
 4/23/2020 1:31:45 PM



#36
 1,1-Dichloropropene
 Concen: 108.205 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065667.D
 Acq: 22 Apr 2020 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	335578		
110	36.4	18.4	55.0	
77	31.0	25.3	37.9	





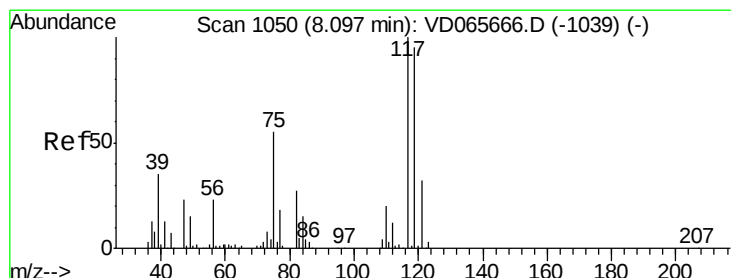
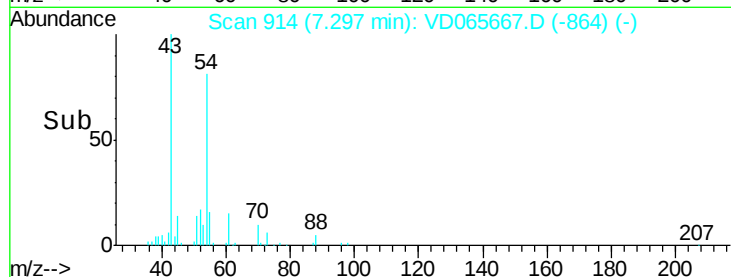
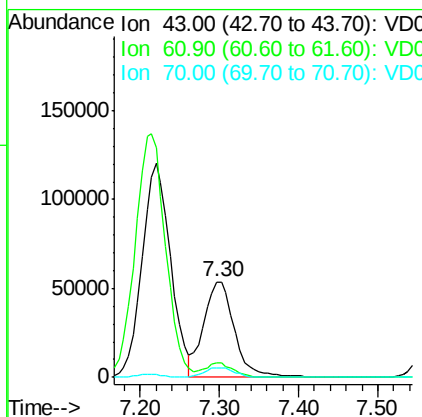
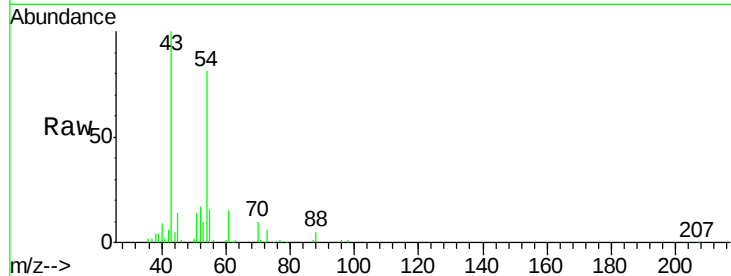
#37
Ethyl Acetate
Concen: 117.282 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	12.1	18.1
70	10.3	7.8	11.8

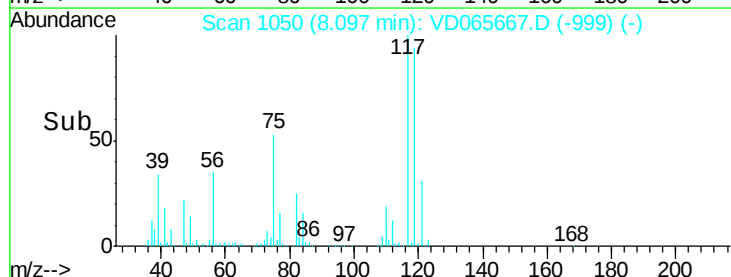
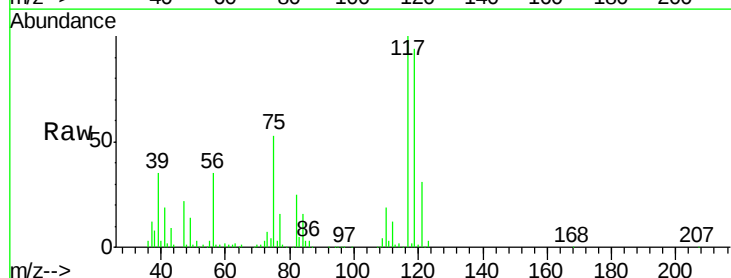
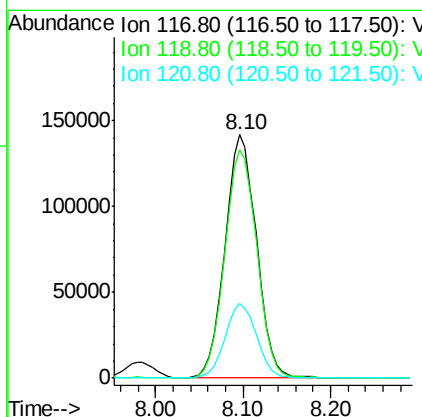
Manual Integrations
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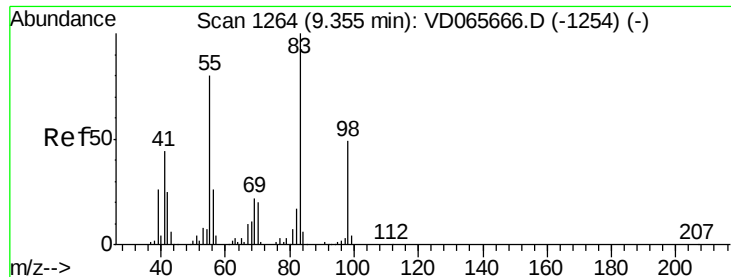
MMDadoda
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#38
Carbon Tetrachloride
Concen: 104.717 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	75.7	113.5
121	30.8	25.8	38.6





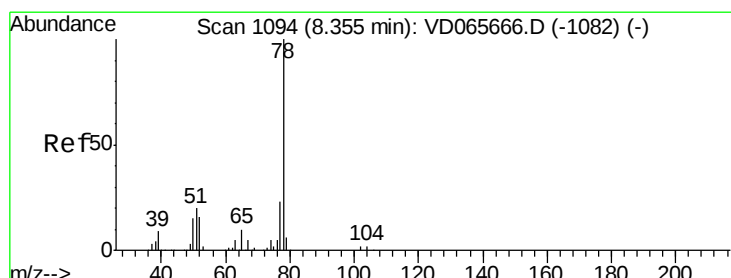
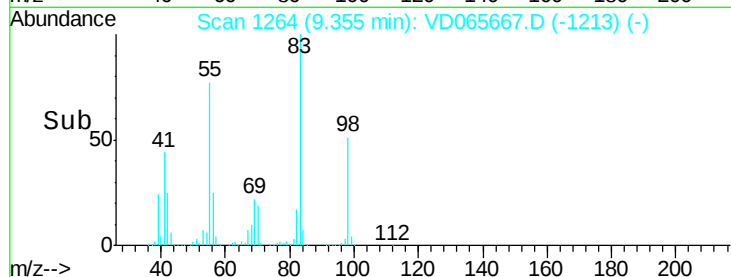
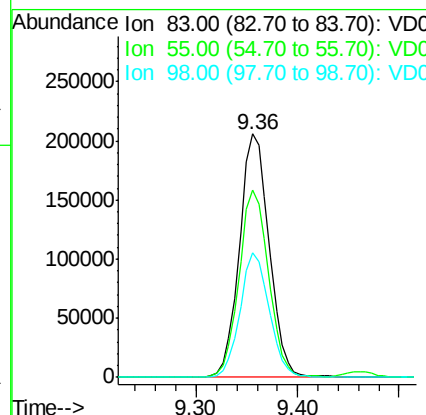
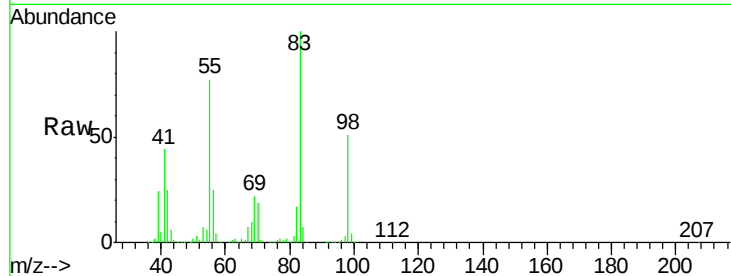
#39
Methvlcvclohexane
Concen: 117.233 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	64.0	96.0
98	51.4	39.2	58.8

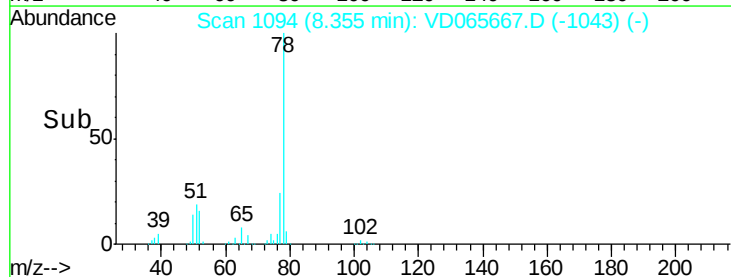
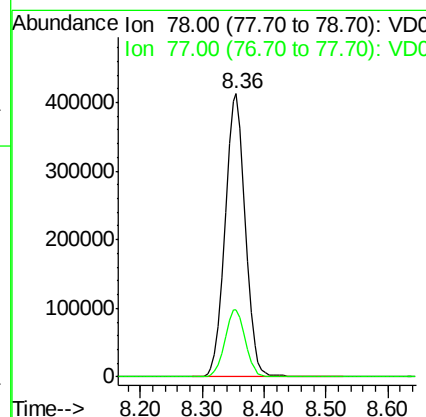
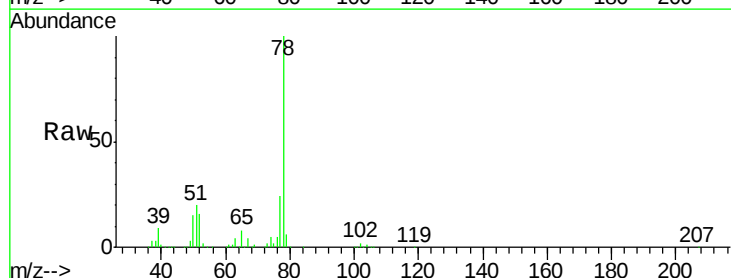
Manual Integrations
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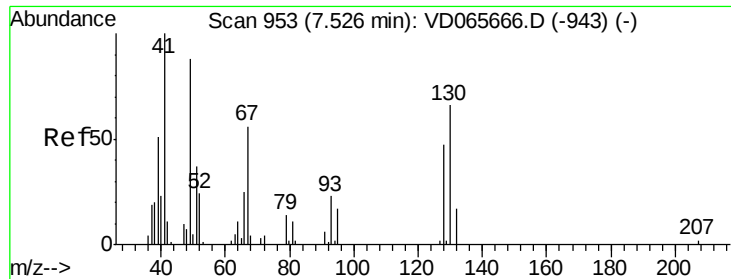
MMDadoda
4/23/2020 1:31:45 PM



#40
Benzene
Concen: 105.738 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.7	28.1





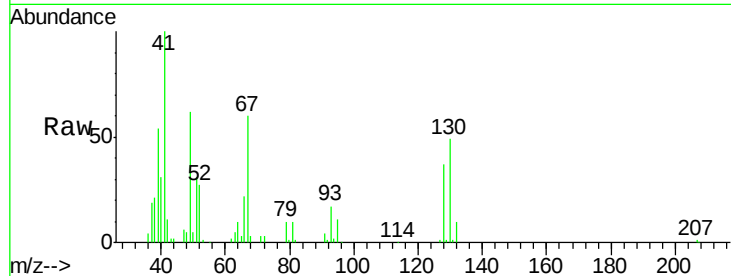
#41
Methacrylonitrile
Concen: 110.310 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

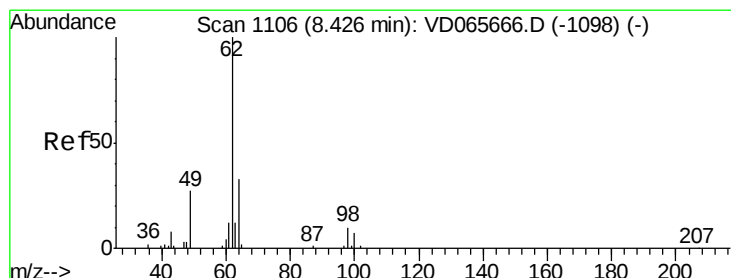
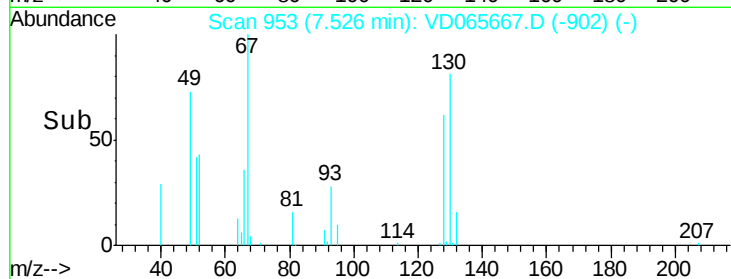
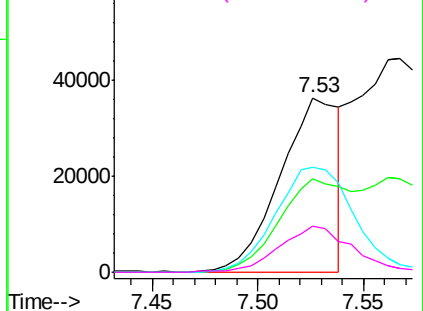
Tot Ion	41	Resp	70945
Ion	Ratio	Lower	Upper
41	100		
39	62.2	43.8	65.6
67	80.2	54.4	81.6
52	33.0	22.4	33.6

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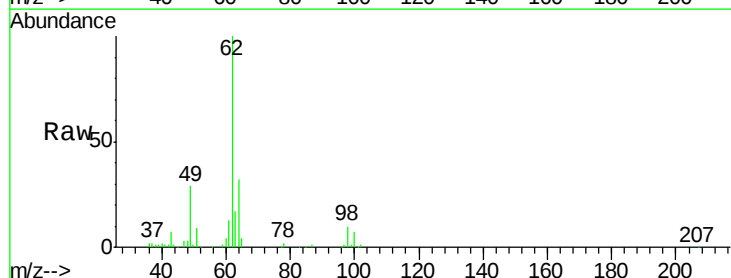


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

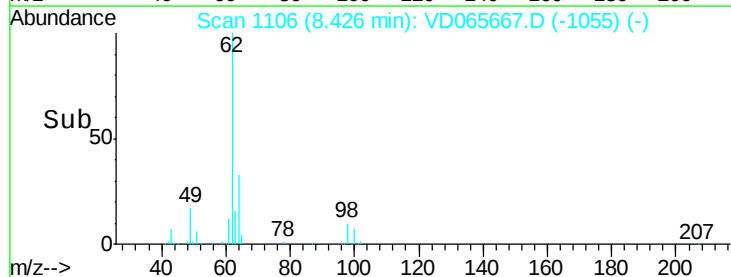
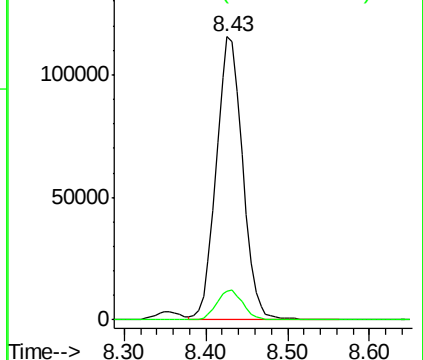


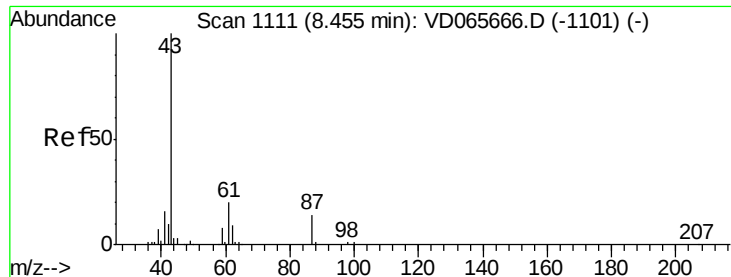
#42
1,2-Dichloroethane
Concen: 107.348 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Tgt Ion	62	Resp	260117
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.2



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 117.826 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Instrument :

MSVOA_D

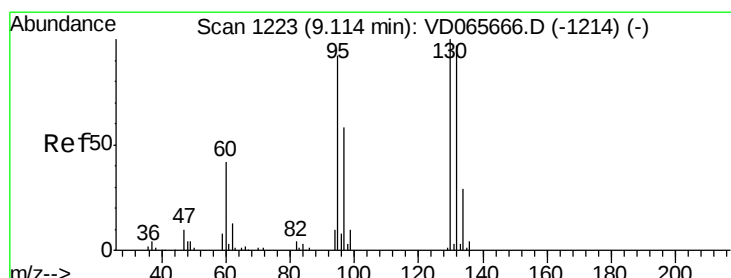
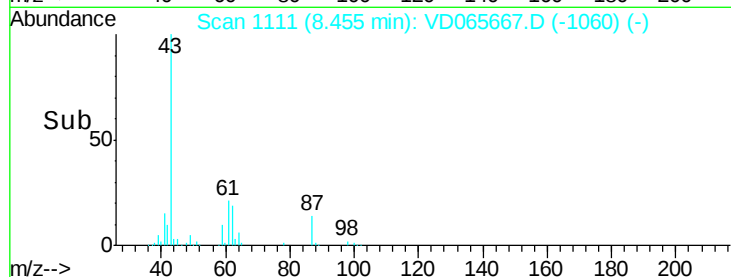
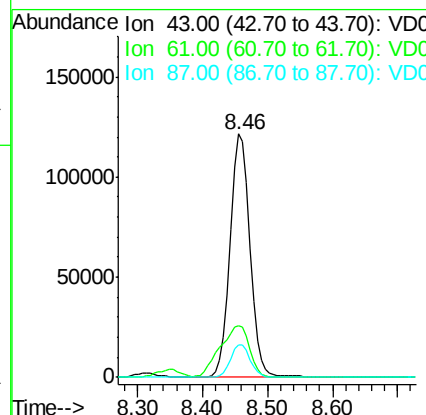
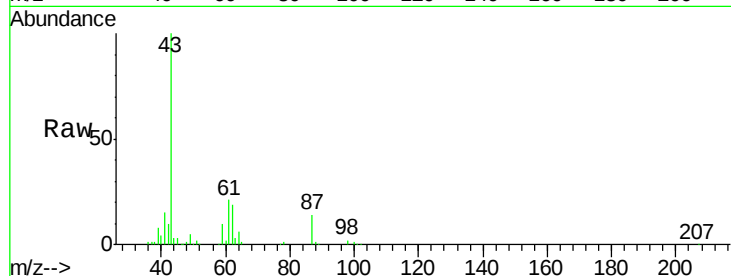
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	259954
Ion	Ratio	Lower	Upper
43	100		
61	31.2	24.7	37.1
87	13.2	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 106.738 ug/l

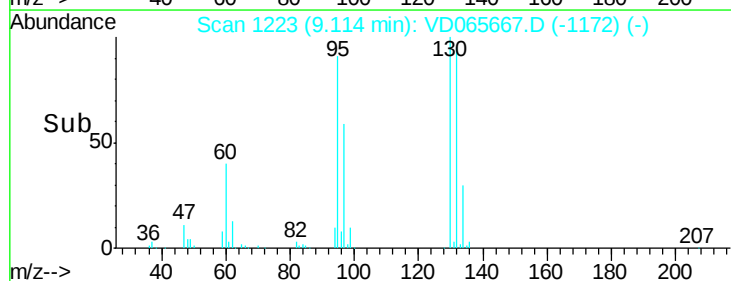
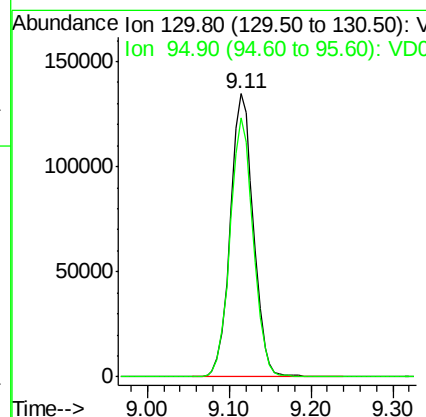
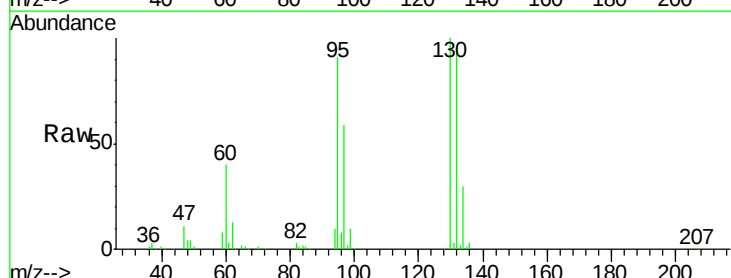
RT: 9.11 min Scan# 1223

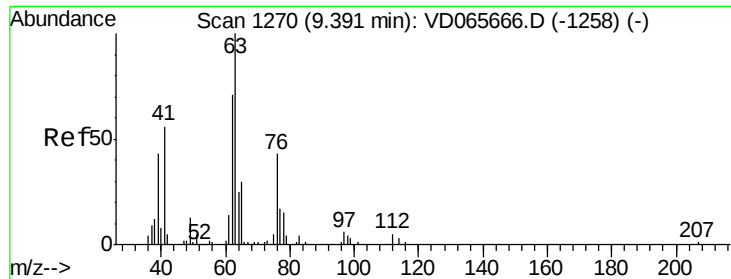
Delta R.T. 0.00 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Tgt Ion:	130	Resp:	265474
Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	183.2





#45

1,2-Dichloropropane

Concen: 106.537 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 231196

Ion Ratio Lower Upper

63 100

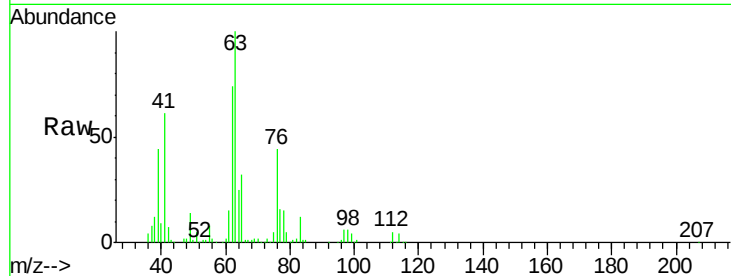
65 31.9 24.2 36.4

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

120000

100000

80000

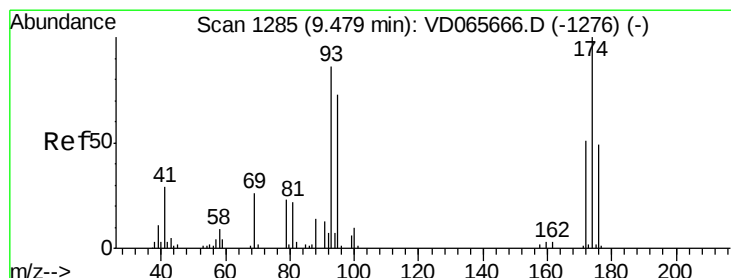
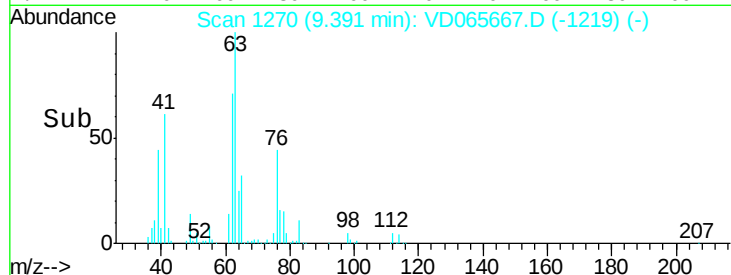
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 108.215 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

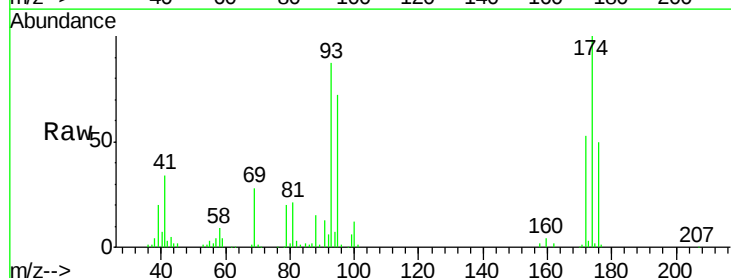
Tgt Ion: 93 Resp: 121498

Ion Ratio Lower Upper

93 100

95 84.2 66.4 99.6

174 117.2 93.0 139.6



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

9.48

80000

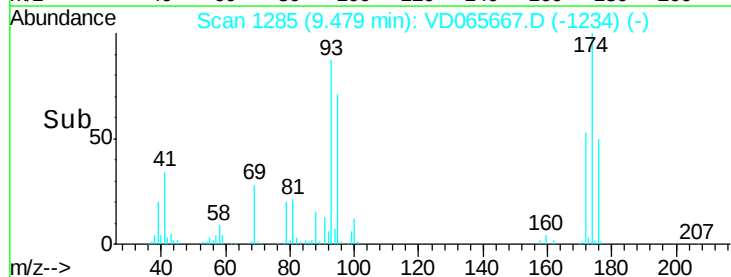
60000

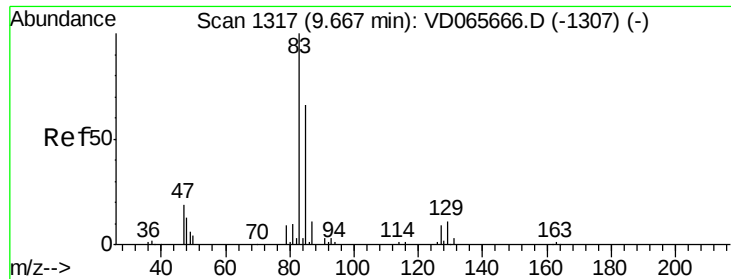
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 105.811 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Instrument :

MSVOA_D

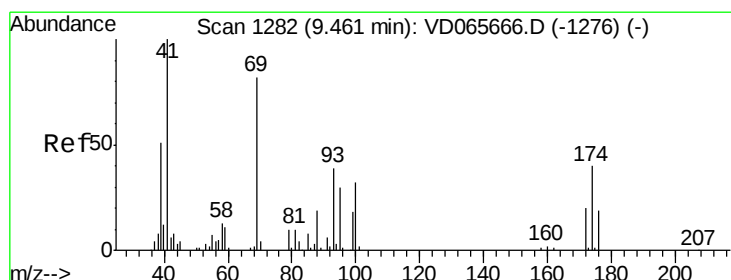
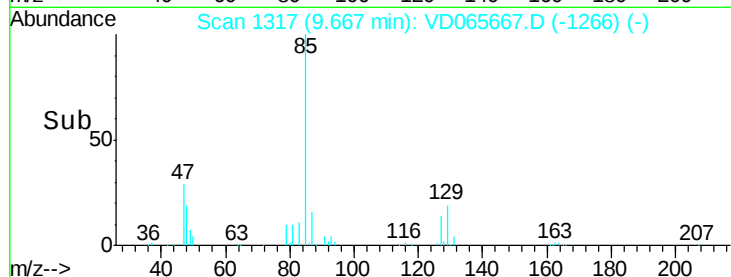
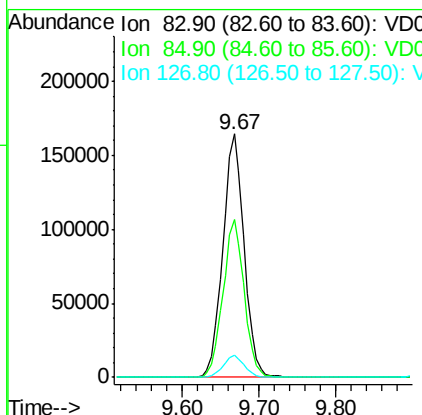
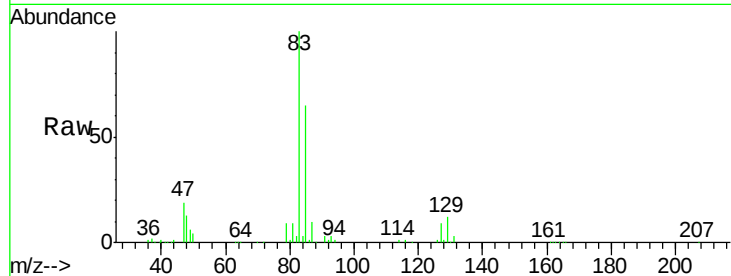
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	315488
Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.2	79.8
127	9.1	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 119.077 ug/l

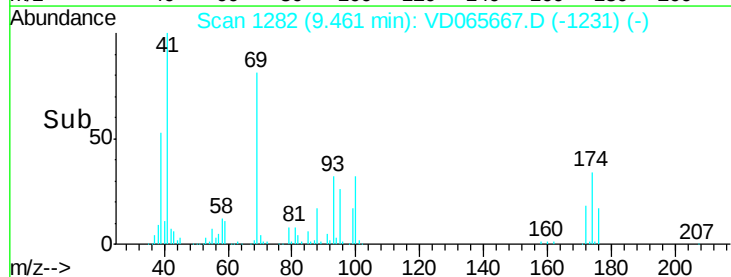
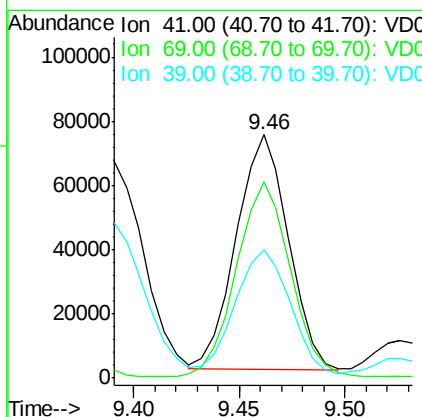
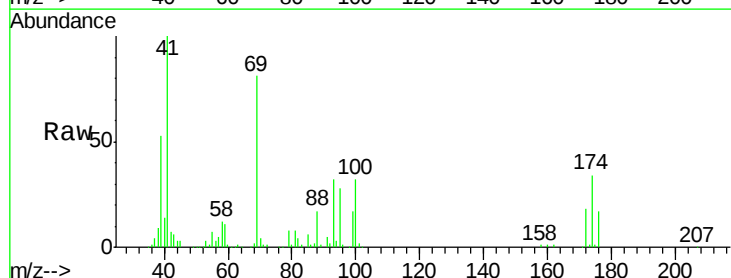
RT: 9.46 min Scan# 1282

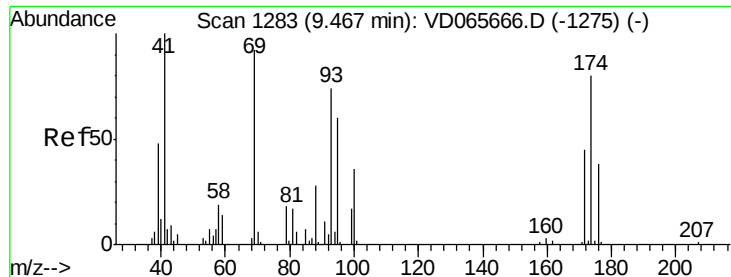
Delta R.T. 0.00 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Tgt Ion:	41	Resp:	125558
Ion	Ratio	Lower	Upper
41	100		
69	88.4	69.5	104.3
39	54.5	41.6	62.4





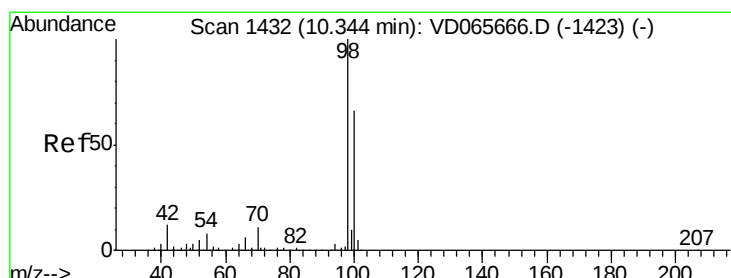
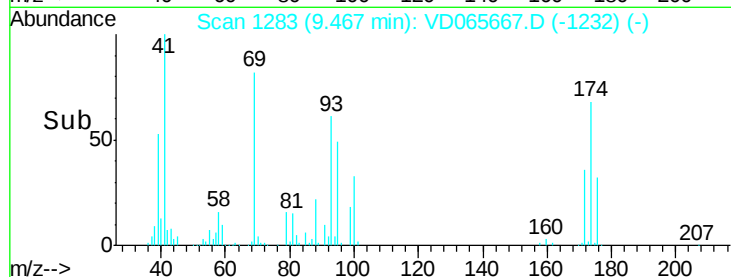
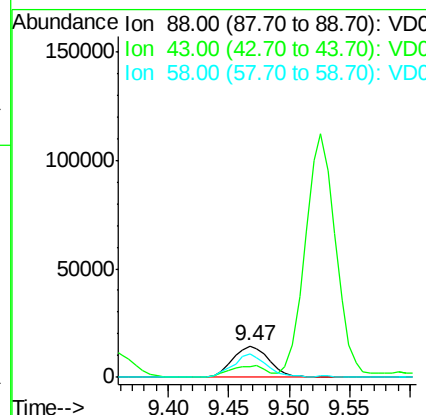
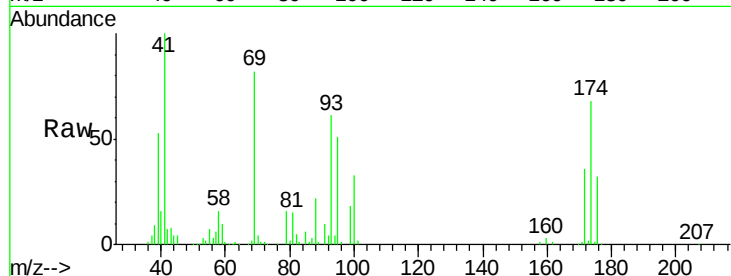
#49
1,4-Dioxane
Concen: 2469.600 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100	30588		
43	38.5	31.3	46.9	
58	69.0	58.0	87.0	

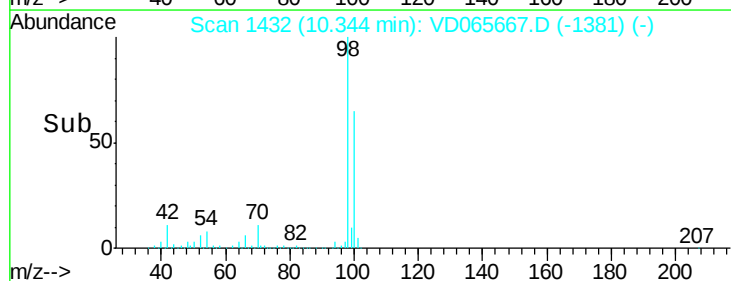
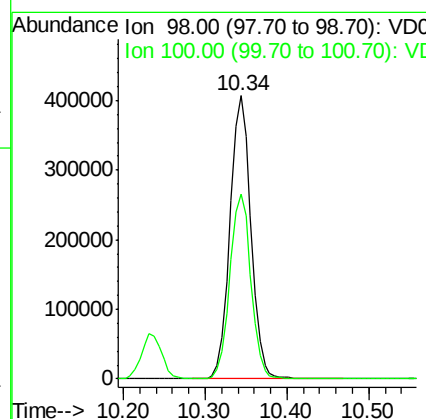
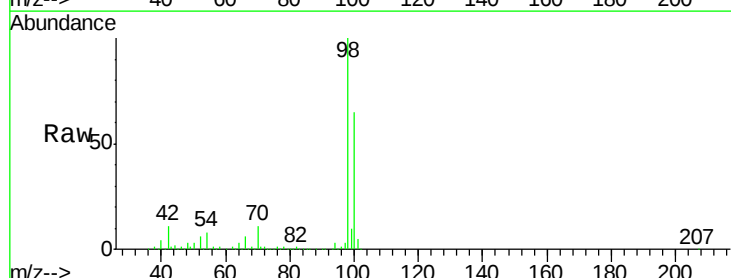
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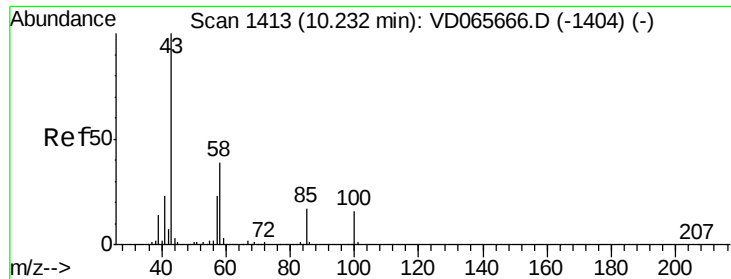
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#50
Toluene-d8
Concen: 95.908 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	724846		
100	65.9	52.8	79.2	





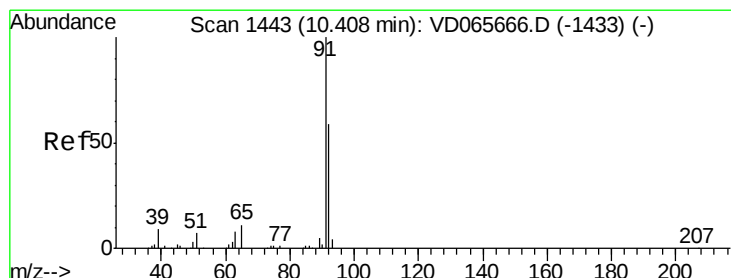
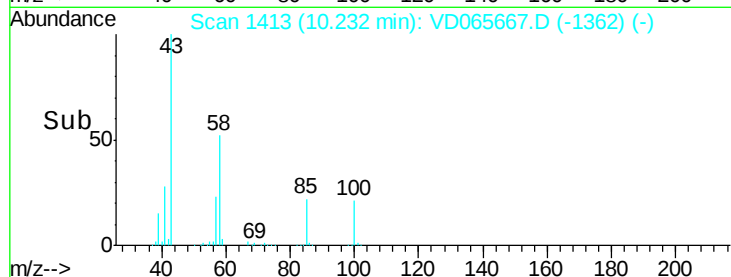
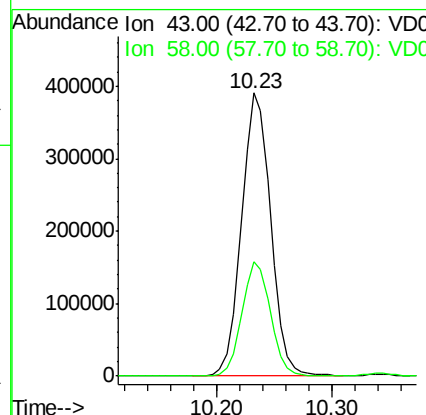
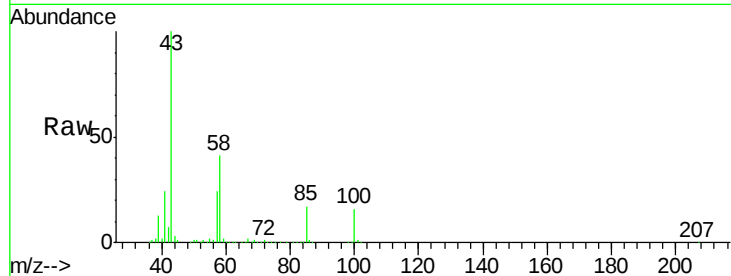
#51
4-Methyl-2-Pentanone
Concen: 610.608 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.1	46.7

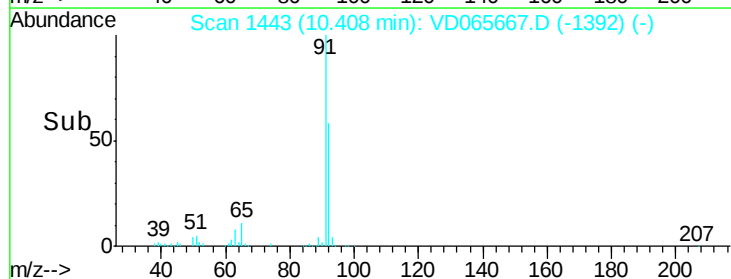
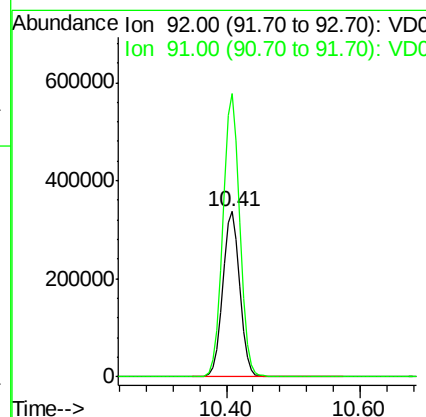
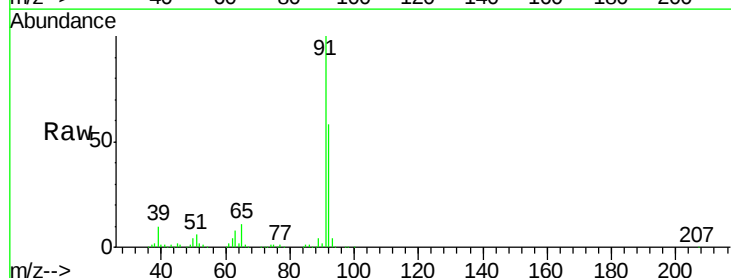
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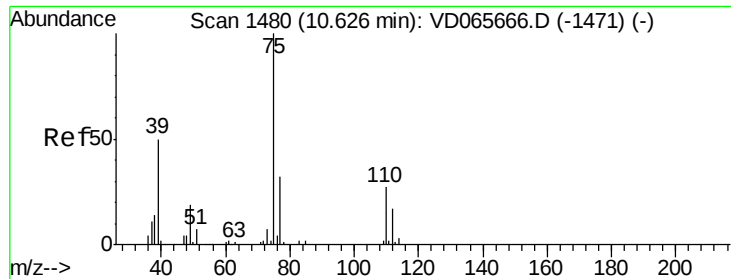
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#52
Toluene
Concen: 111.191 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.2	135.9	203.9





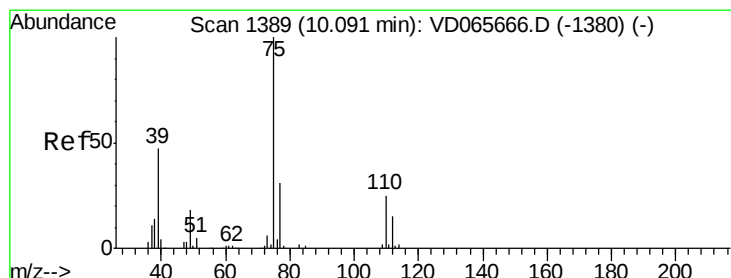
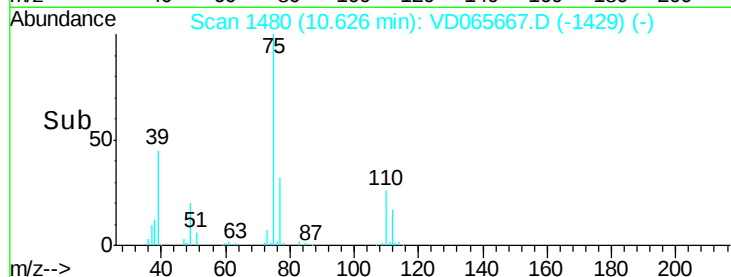
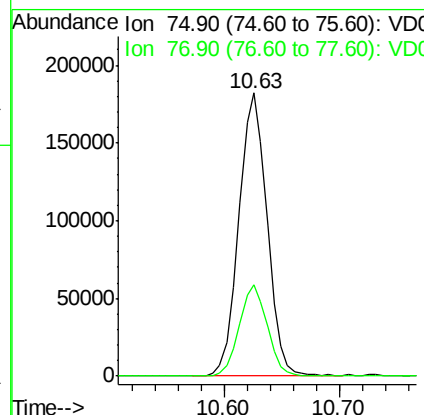
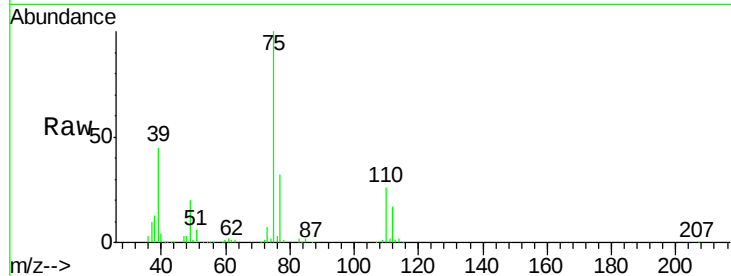
#53
t-1,3-Dichloropropene
Concen: 114.164 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.8	38.8

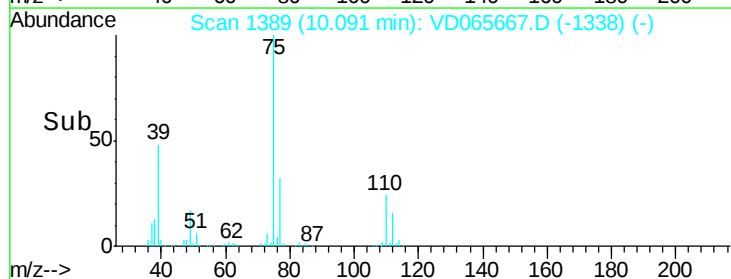
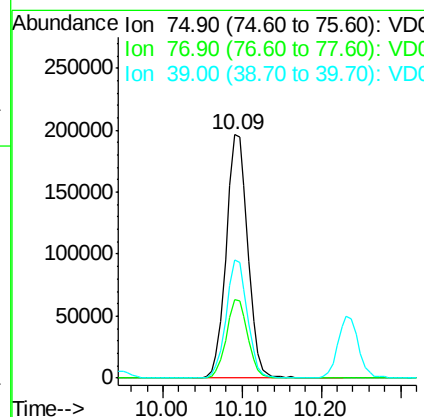
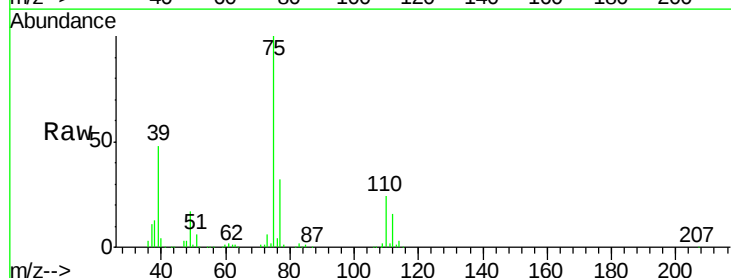
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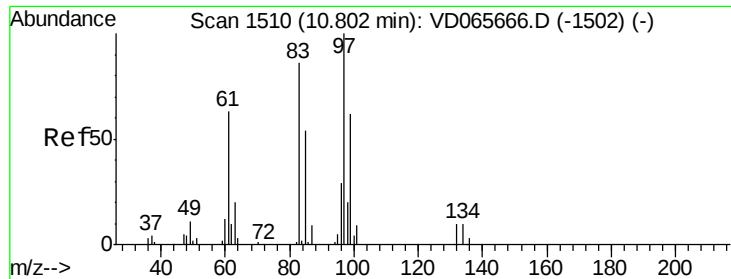
MMDadoda
4/23/2020 1:31:45 PM



#54
cis-1,3-Dichloropropene
Concen: 111.510 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.2	37.8
39	48.4	37.9	56.9





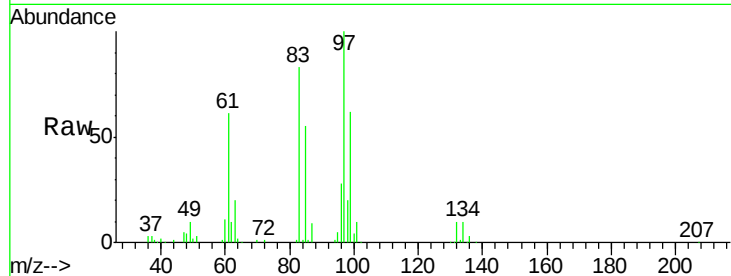
#55
 1,1,2-Trichloroethane
 Concen: 108.293 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065667.D
 Acq: 22 Apr 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

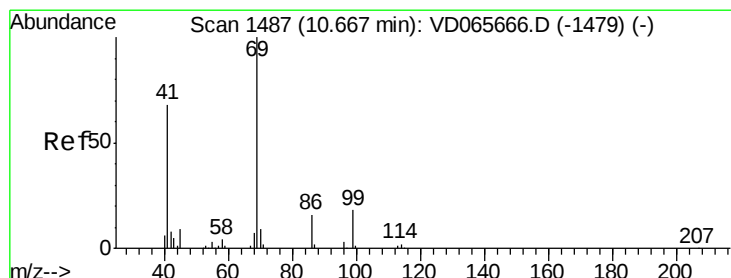
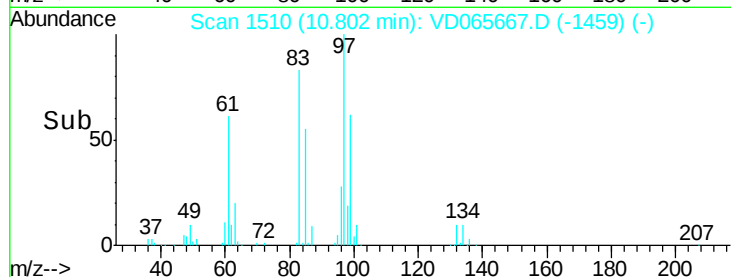
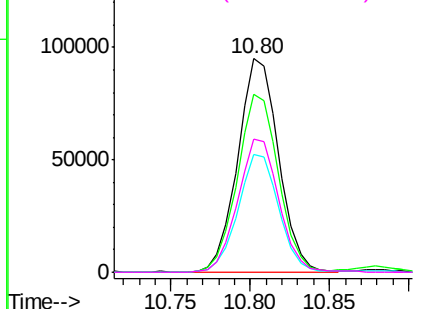
Tot Ion	97	Resp	170143
Ion	Ratio	Lower	Upper
97	100		
83	83.1	68.5	102.7
85	54.9	43.0	64.6
99	62.0	49.8	74.8

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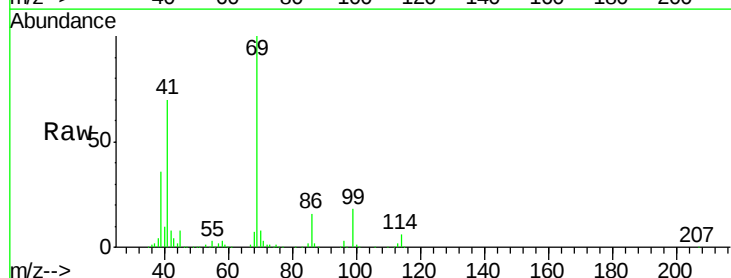


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

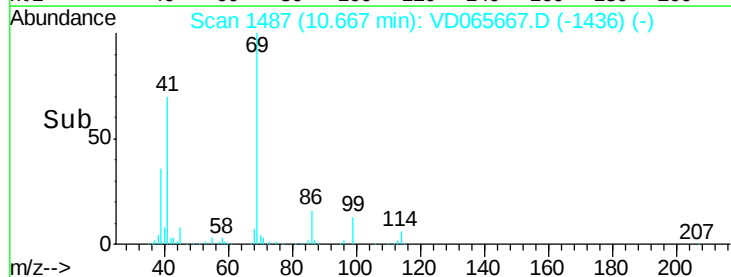
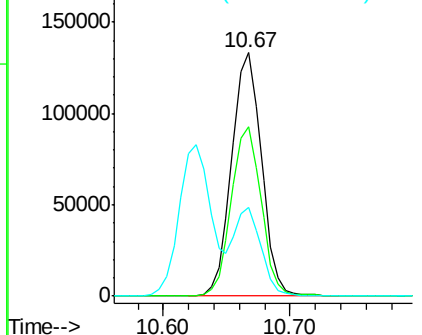


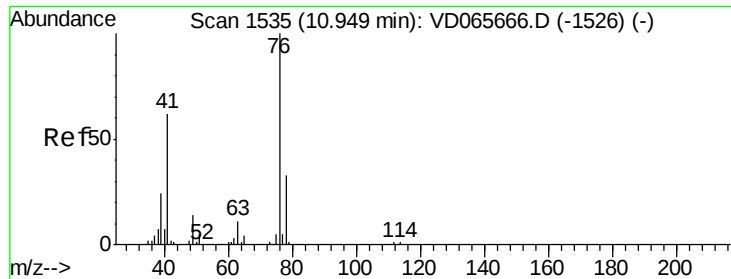
#56
 Ethyl methacrylate
 Concen: 129.251 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065667.D
 Acq: 22 Apr 2020 15:33

Tgt Ion	69	Resp	217914
Ion	Ratio	Lower	Upper
69	100		
41	69.2	58.3	87.5
39	32.5	29.5	44.3



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





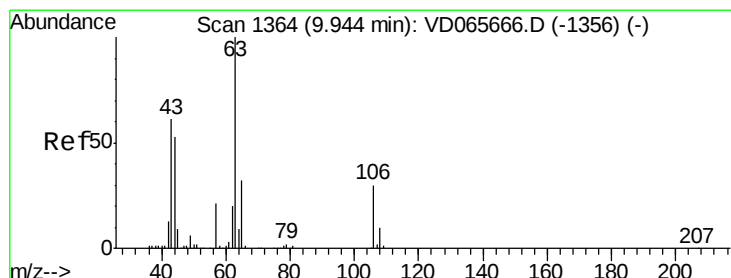
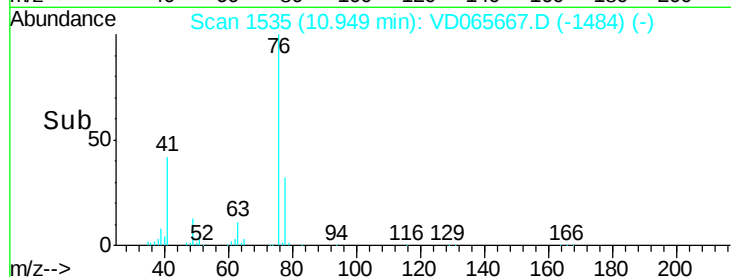
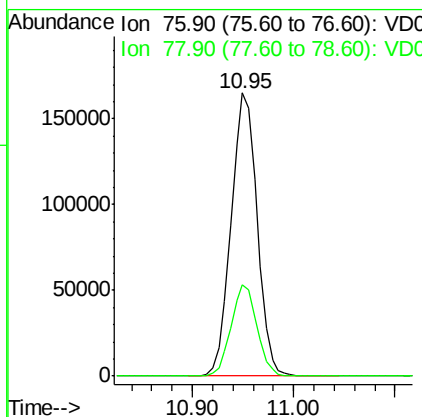
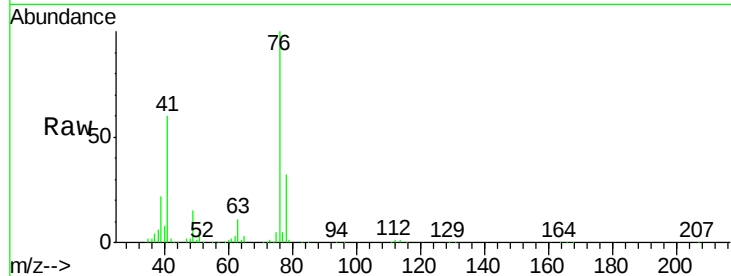
#57
 1,3-Dichloropropane
 Concen: 110.278 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065667.D
 Acq: 22 Apr 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9

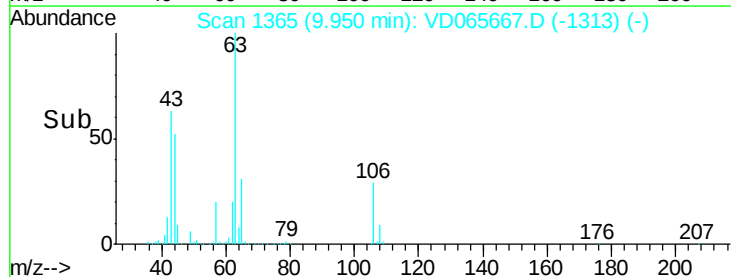
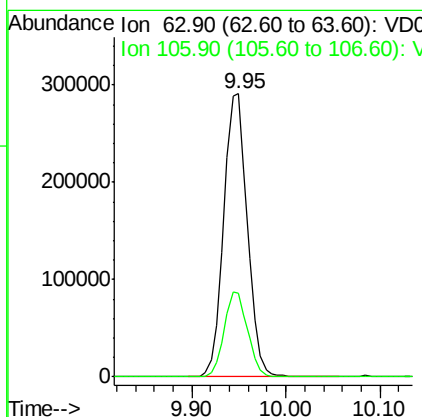
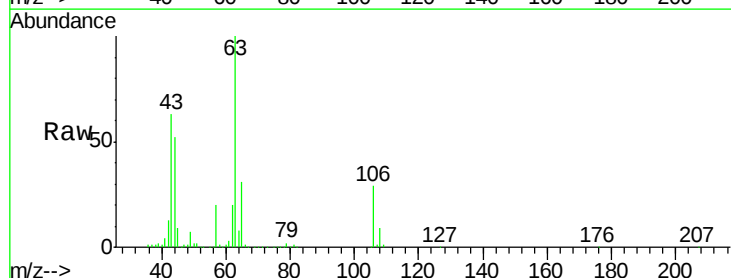
Manual Integrations
 APPROVED

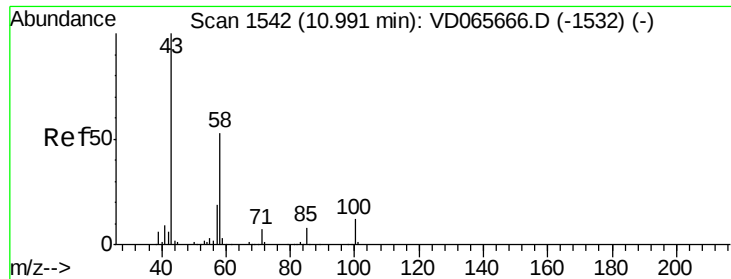
MMDadoda
 4/23/2020 1:31:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 573.634 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD065667.D
 Acq: 22 Apr 2020 15:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	23.7	35.5





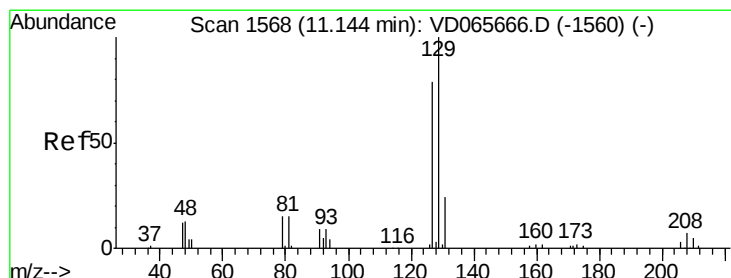
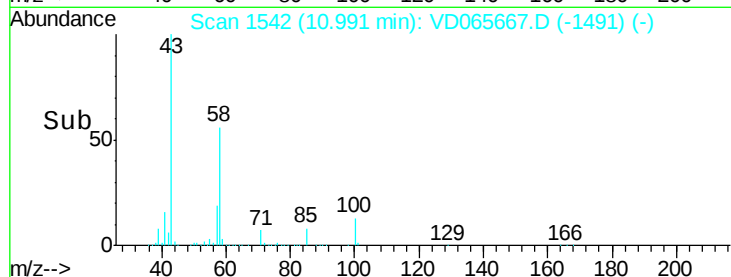
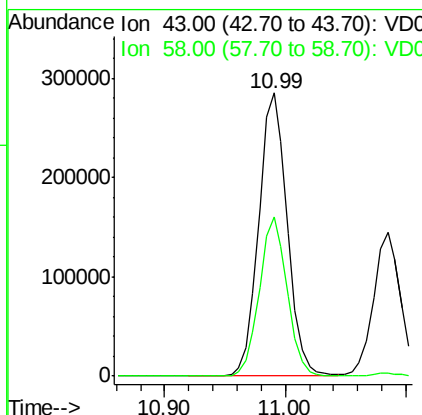
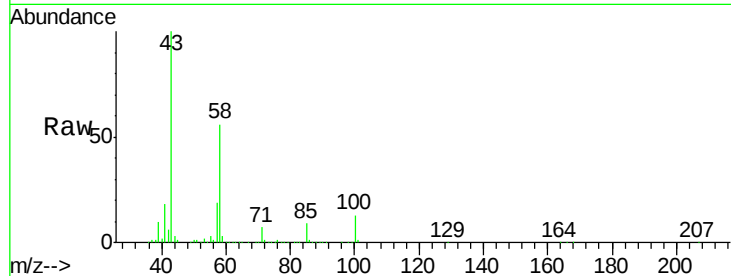
#59
2-Hexanone
Concen: 618.405 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 468905
Ion Ratio Lower Upper
43 100
58 55.0 26.3 78.9

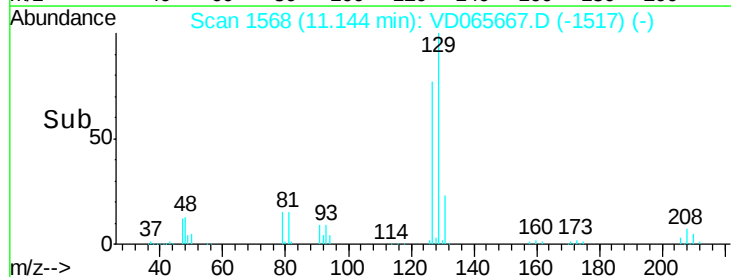
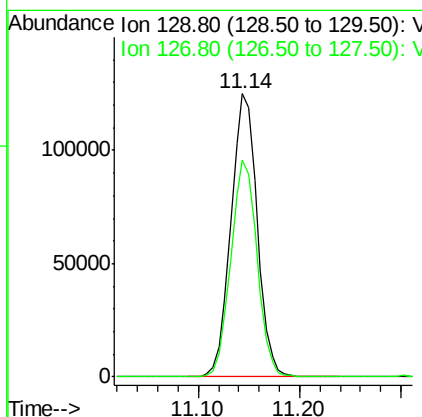
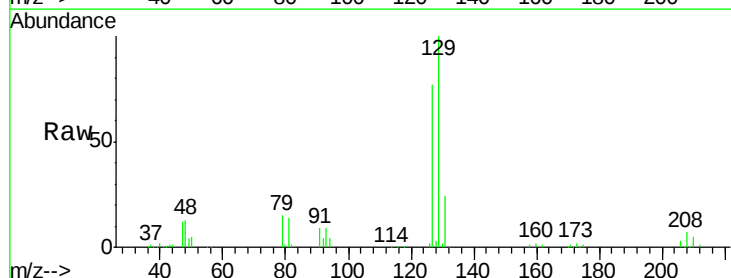
Manual Integrations
APPROVED

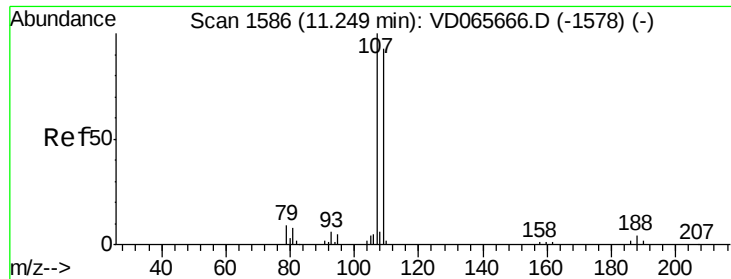
MMDadoda
4/23/2020 1:31:45 PM



#60
Dibromochloromethane
Concen: 107.645 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Tgt Ion: 129 Resp: 224678
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.5





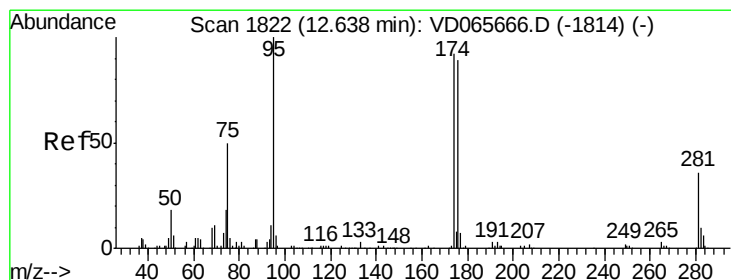
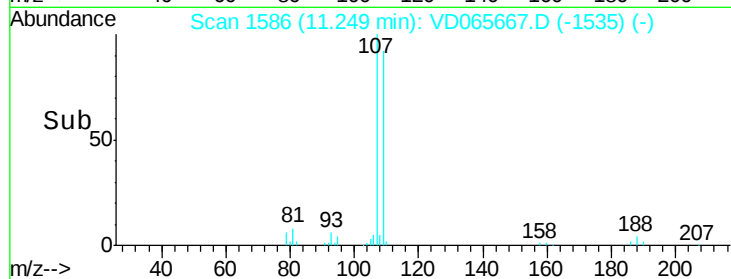
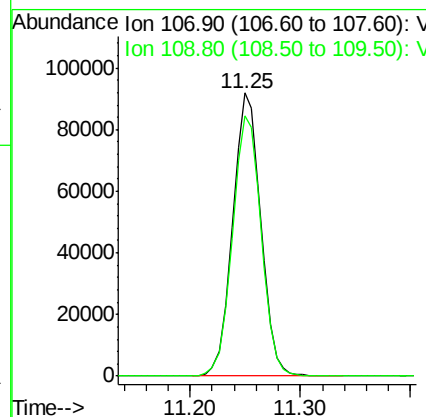
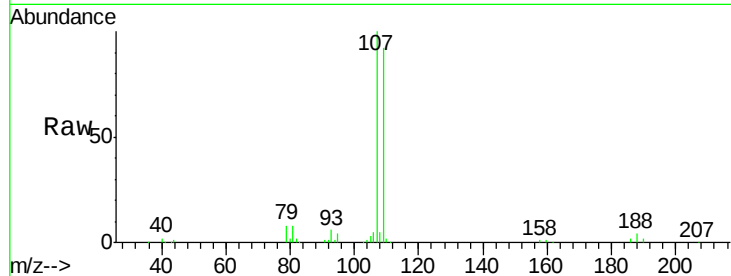
#61
 1,2-Dibromoethane
 Concen: 107.631 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065667.D
 Acq: 22 Apr 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	163590		
109	94.2	76.4	114.6	

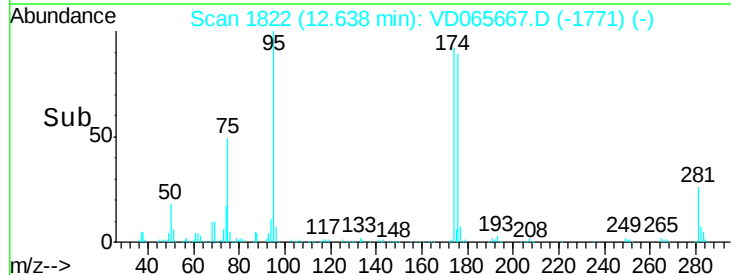
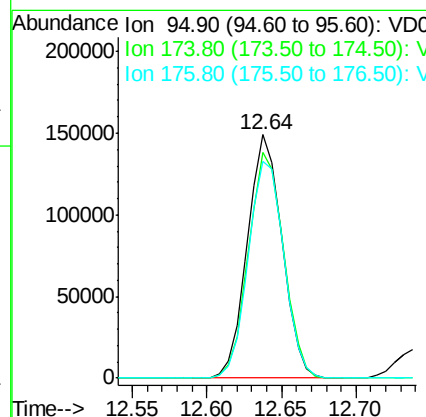
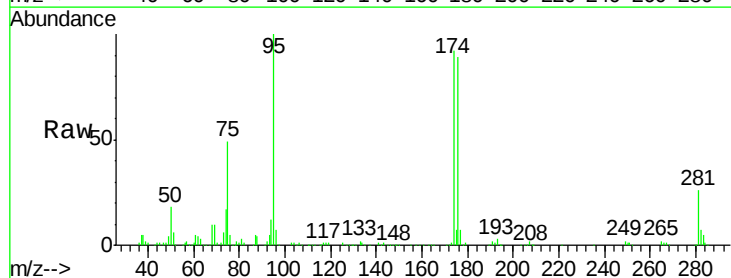
Manual Integrations
 APPROVED

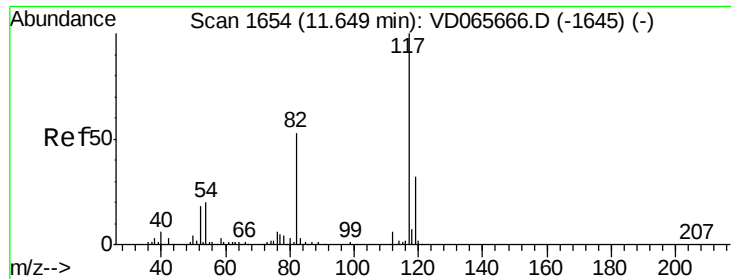
MMDadoda
 4/23/2020 1:31:45 PM



#62
 4-Bromofluorobenzene
 Concen: 96.256 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065667.D
 Acq: 22 Apr 2020 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	239635		
174	93.7	0.0	186.4	
176	91.6	0.0	178.4	





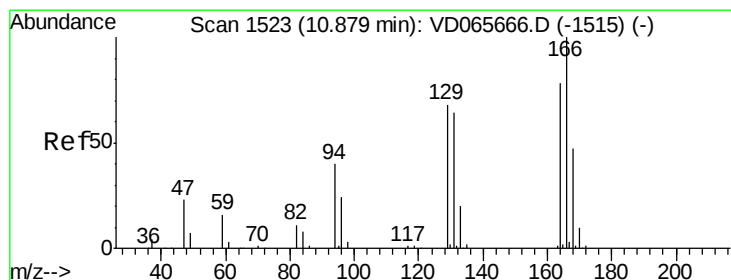
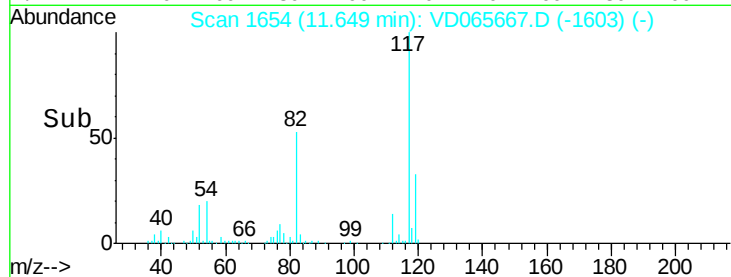
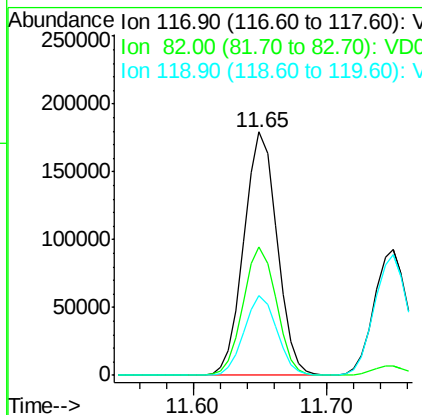
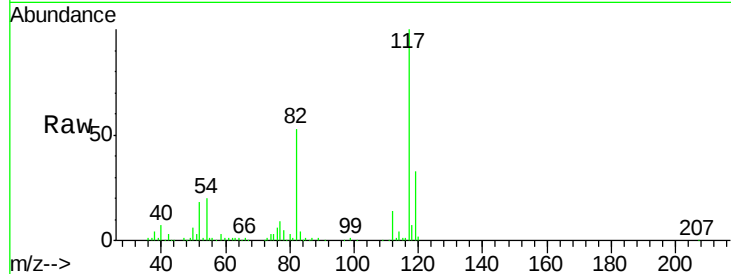
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	308681		
82	52.7		42.7	64.1
119	32.7		25.9	38.9

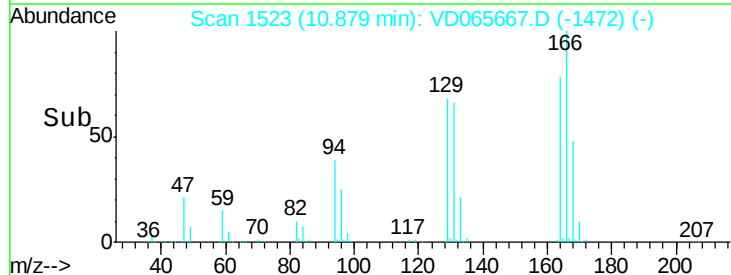
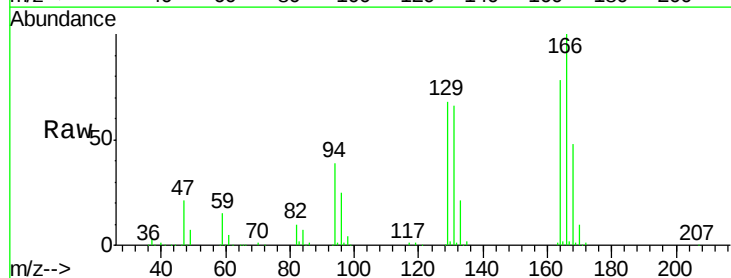
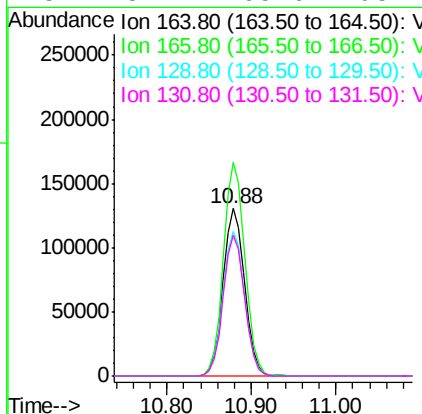
Manual Integrations
APPROVED

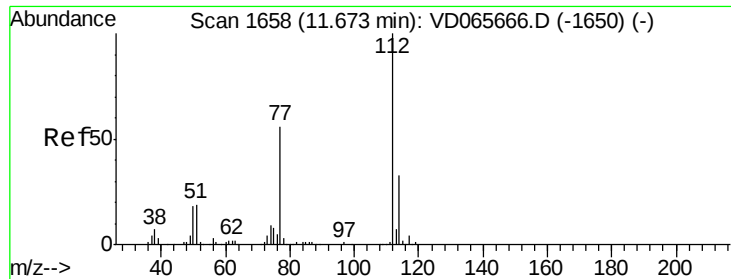
MMDadoda
4/23/2020 1:31:45 PM



#64
Tetrachloroethene
Concen: 107.229 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	229027		
166	127.4		102.0	153.0
129	86.6		69.3	103.9
131	84.4		65.6	98.4





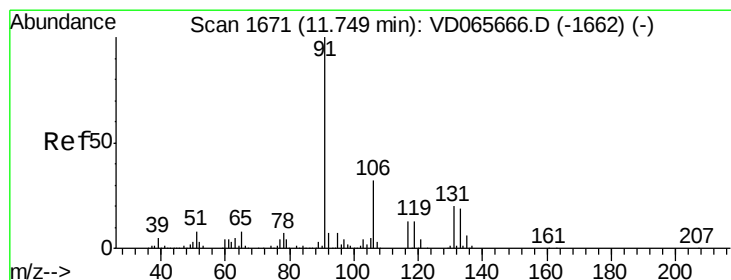
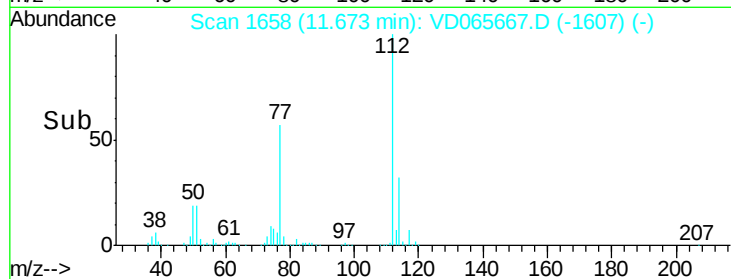
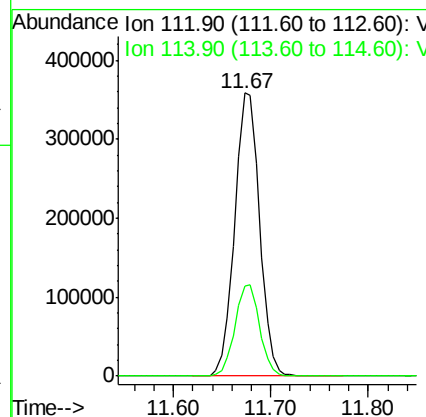
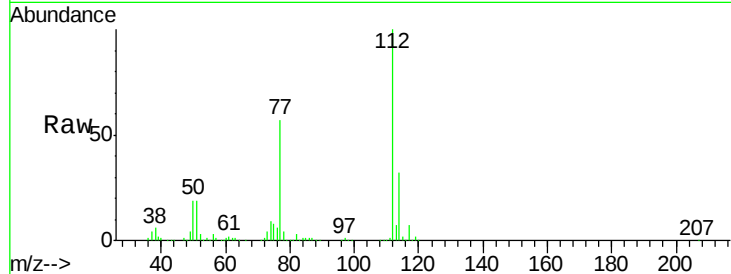
#65
Chlorobenzene
Concen: 106.883 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.2	39.2

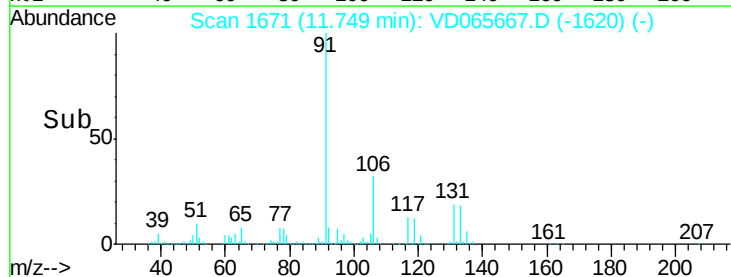
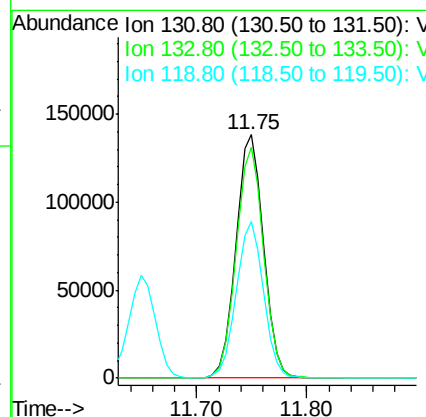
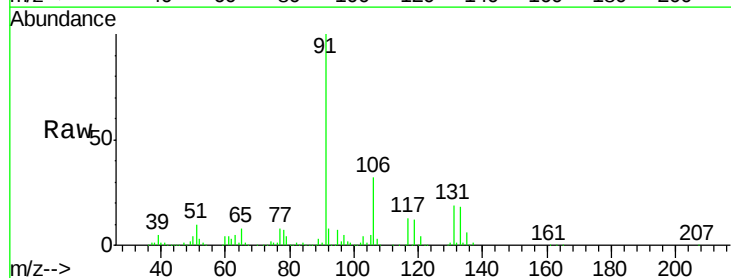
Manual Integrations
APPROVED

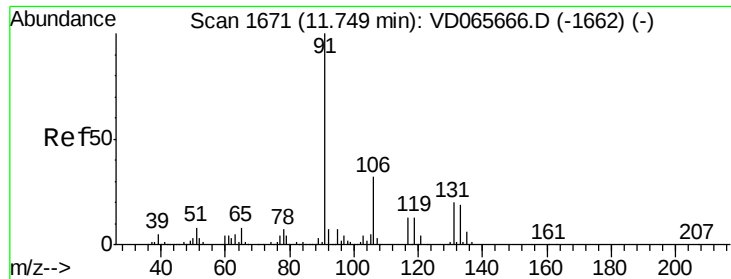
MMDadoda
4/23/2020 1:31:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 106.997 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	48.6	145.8
119	63.9	32.3	96.9





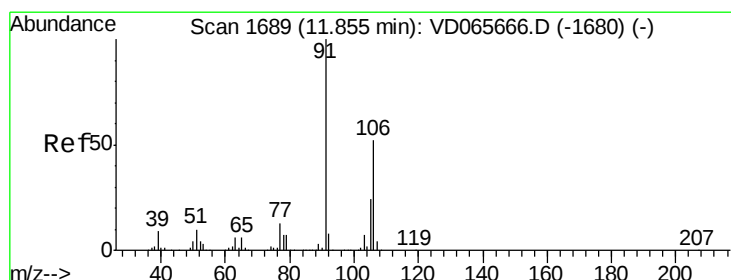
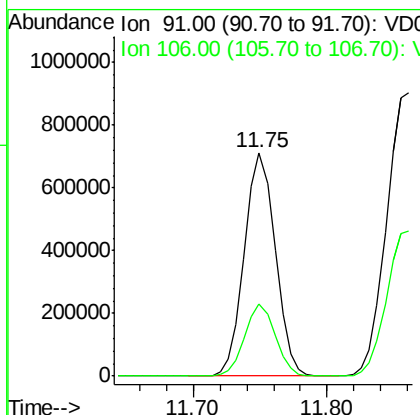
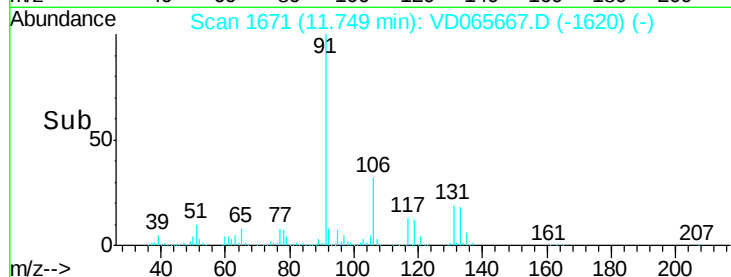
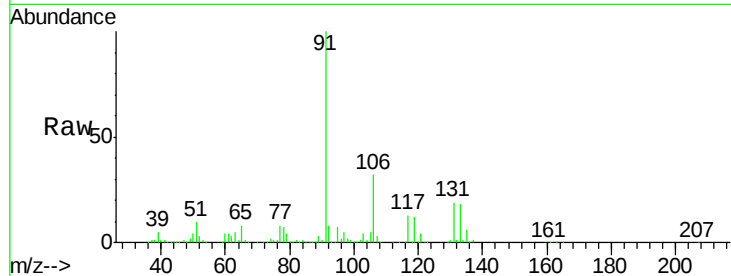
#67
Ethyl Benzene
Concen: 113.205 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1146601
Ion Ratio Lower Upper
91 100
106 32.3 25.3 37.9

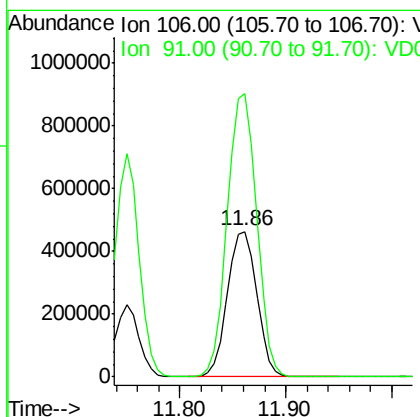
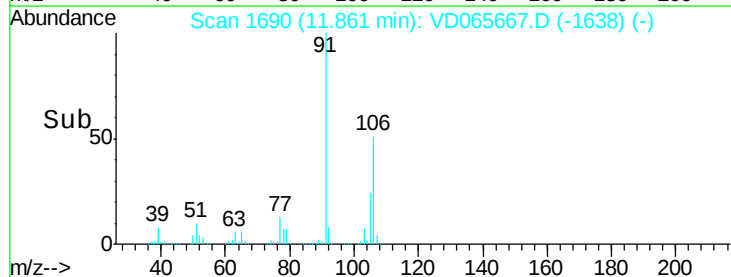
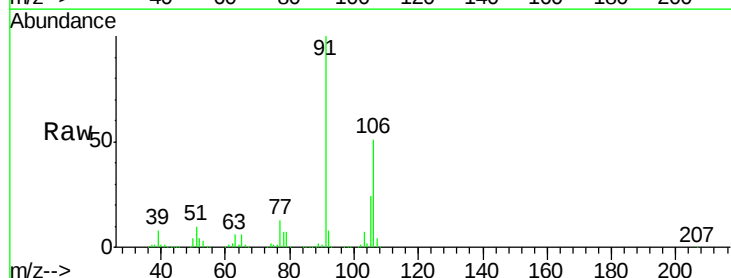
Manual Integrations
APPROVED

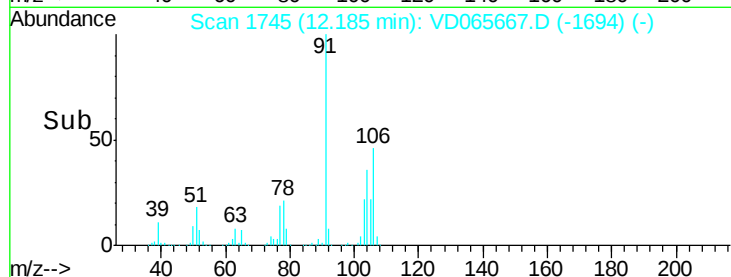
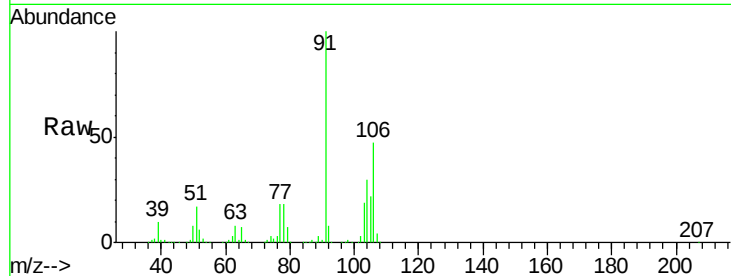
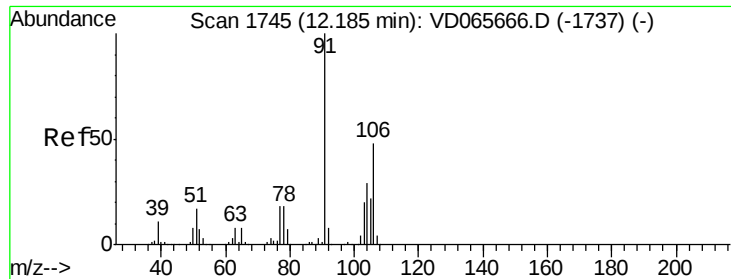
MMDadoda
4/23/2020 1:31:45 PM



#68
m/p-Xylenes
Concen: 228.225 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Tgt Ion: 106 Resp: 894179
Ion Ratio Lower Upper
106 100
91 194.9 155.8 233.6





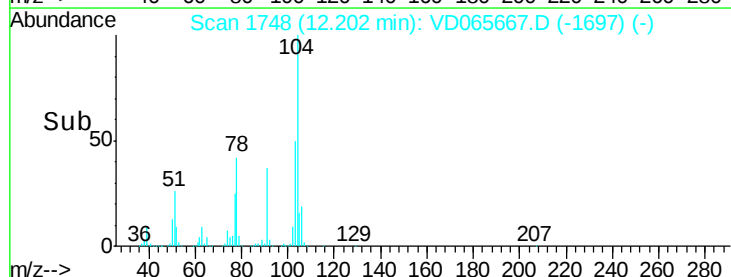
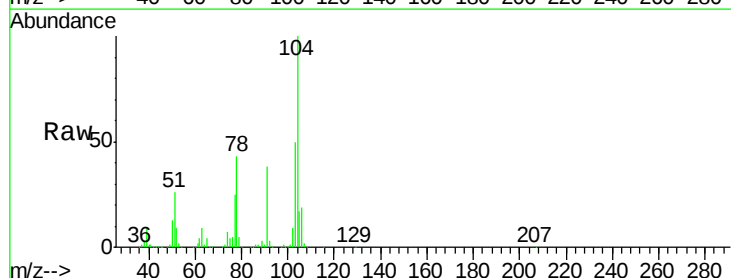
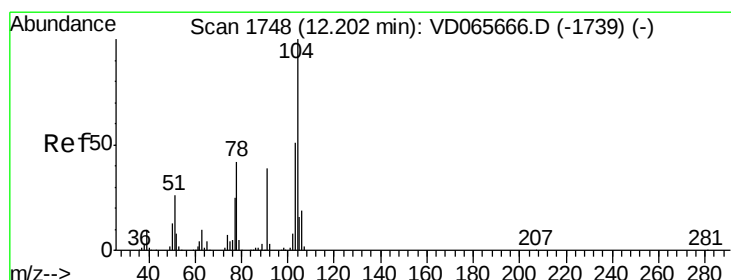
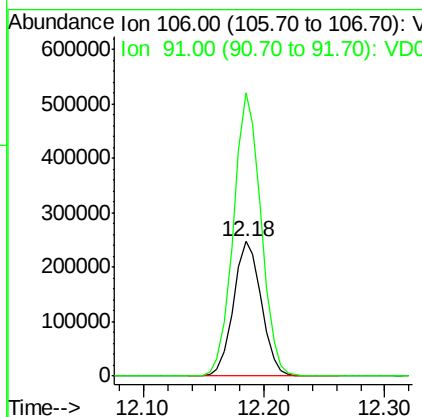
#69
o-Xylene
Concen: 116.816 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Tot Ion:106 Resp: 398703
Ion Ratio Lower Upper
106 100
91 207.7 103.6 310.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

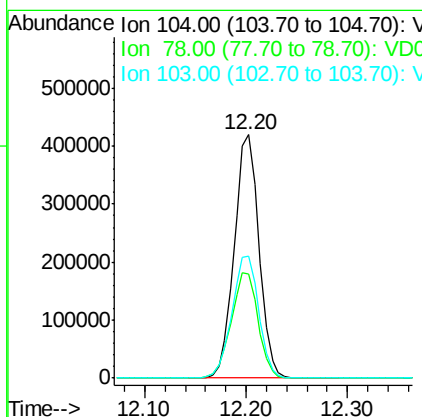
Manual Integrations
APPROVED

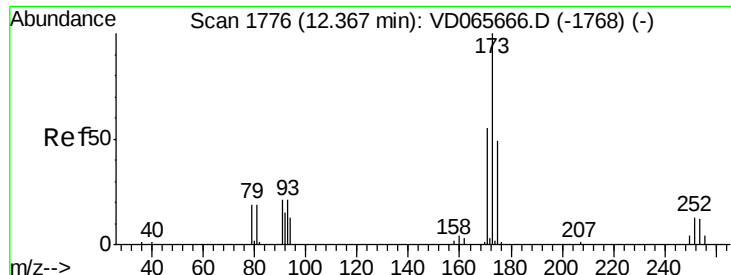
MMDadoda
4/23/2020 1:31:45 PM



#70
Styrene
Concen: 117.464 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Tgt Ion:104 Resp: 710418
Ion Ratio Lower Upper
104 100
78 47.1 37.4 56.0
103 54.3 43.6 65.4





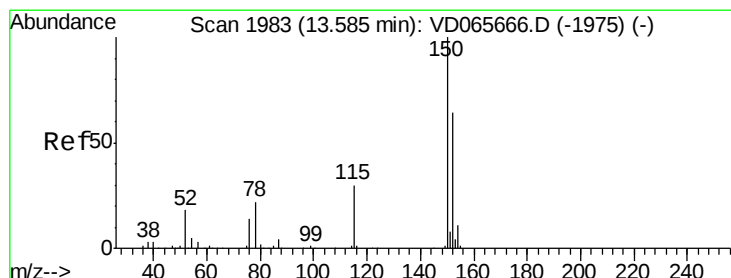
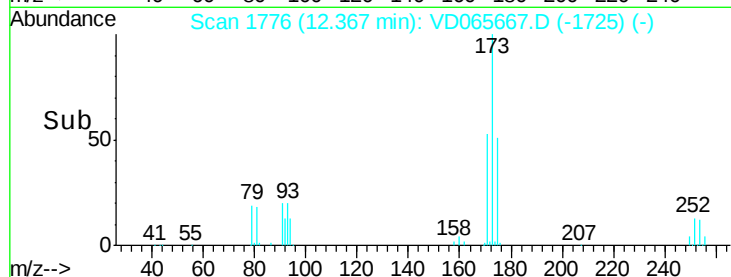
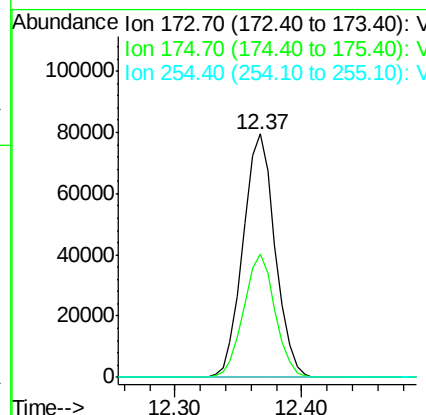
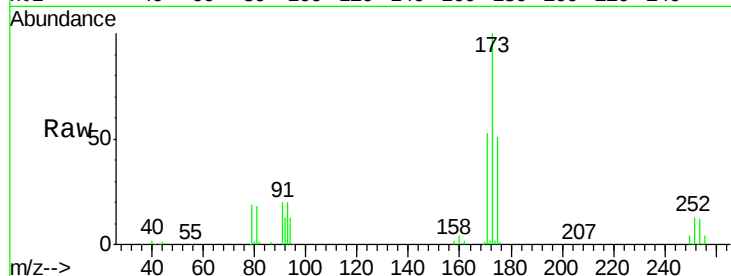
#71
Bromoform
Concen: 109.842 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	23.9	71.7
254	0.1	0.0	0.0

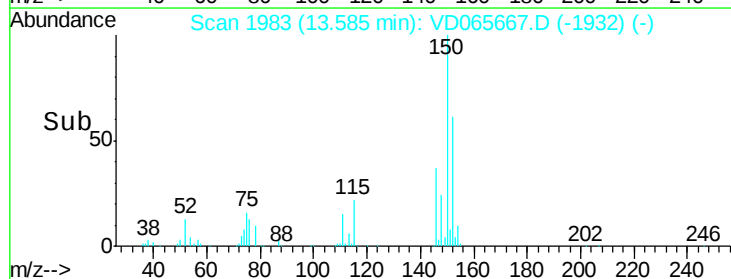
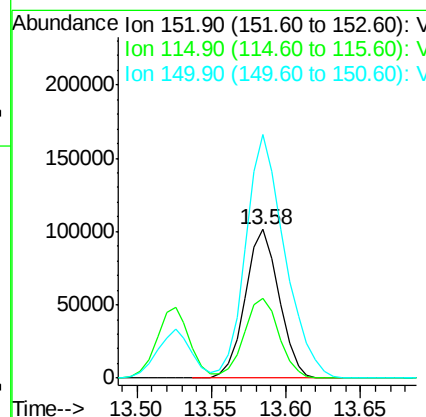
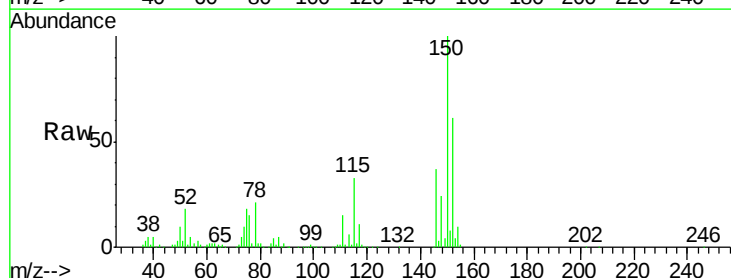
Manual Integrations
APPROVED

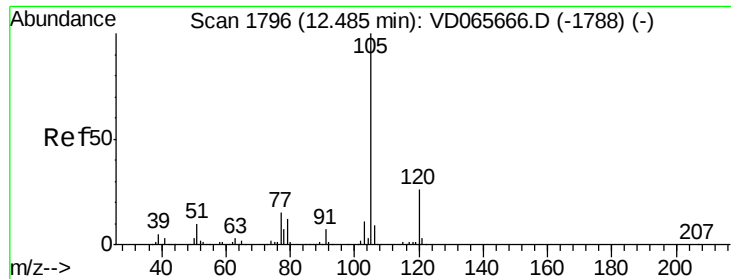
MMDadoda
4/23/2020 1:31:45 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.4	82.0
150	188.0	0.0	339.0





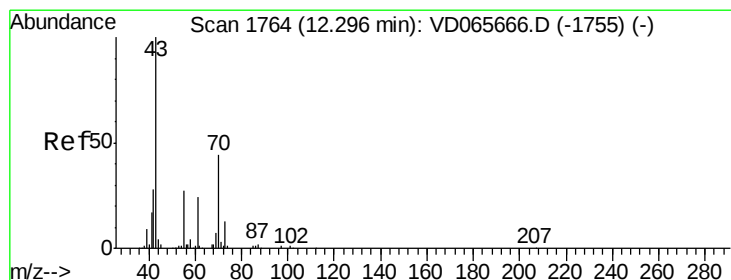
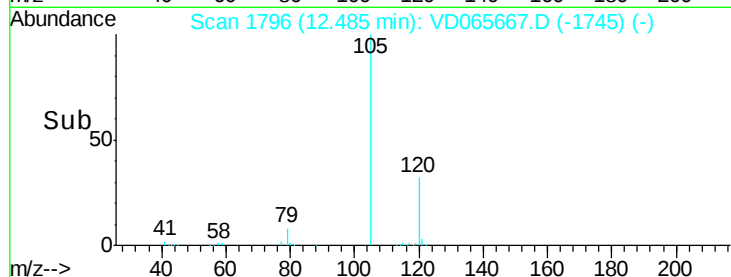
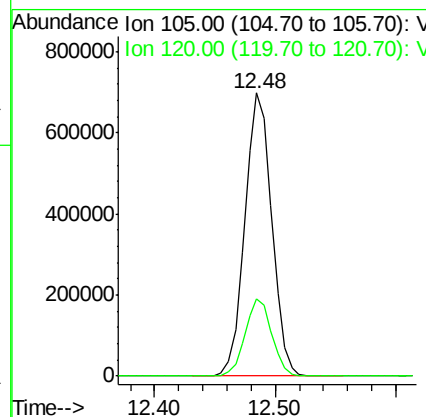
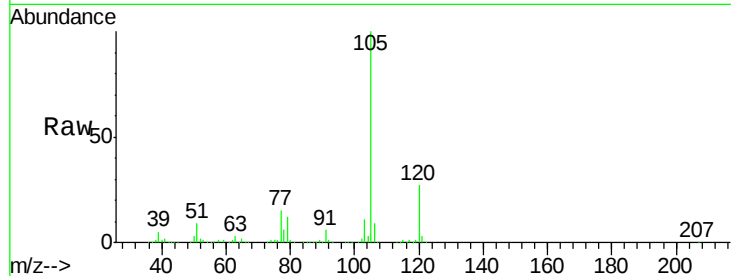
#73
Isopropylbenzene
Concen: 116.729 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 1086960
Ion Ratio Lower Upper
105 100
120 27.0 13.4 40.2

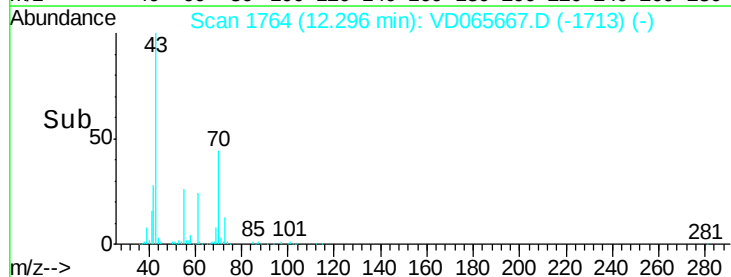
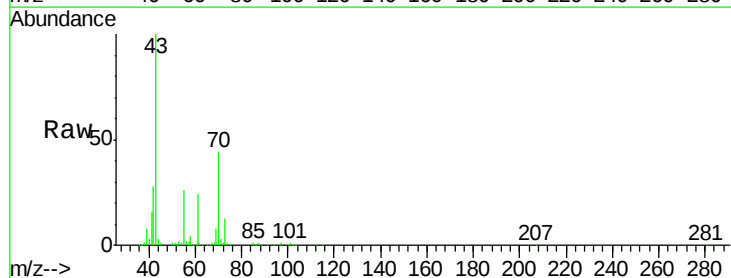
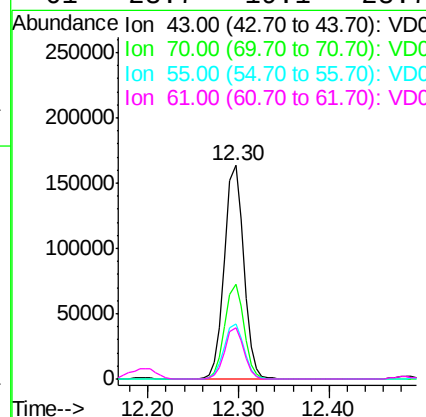
Manual Integrations
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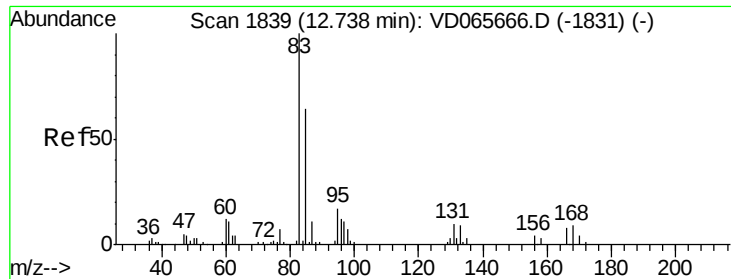
MMDadoda
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#74
N-ethyl acetate
Concen: 123.579 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Tgt Ion: 43 Resp: 242439
Ion Ratio Lower Upper
43 100
70 44.0 34.6 51.8
55 26.7 22.3 33.5
61 23.7 19.1 28.7





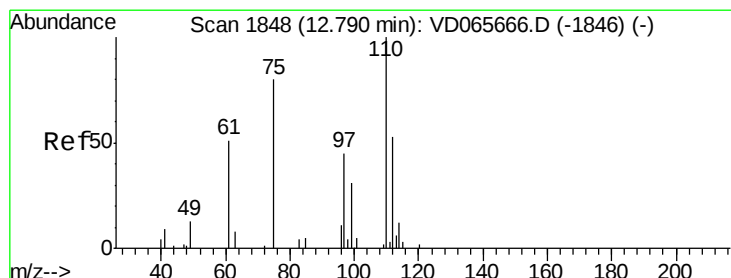
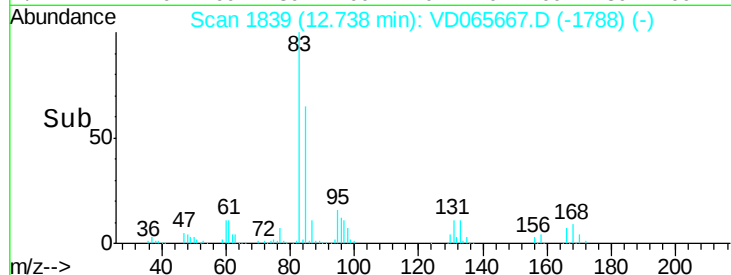
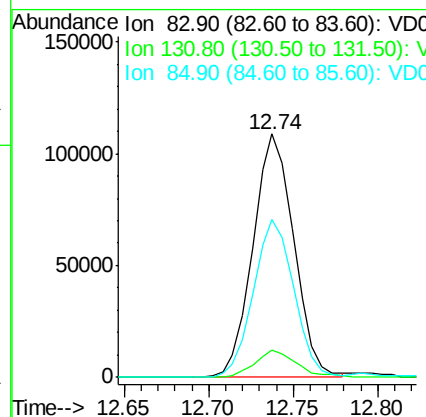
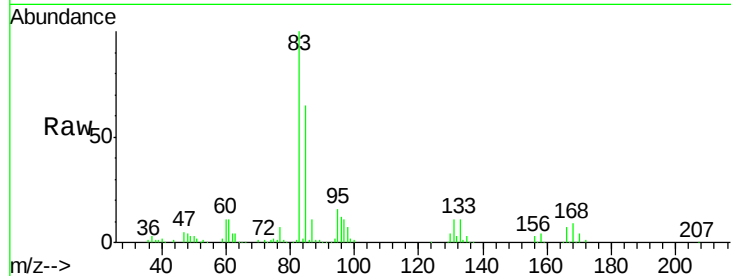
#75
 1,1,2,2-Tetrachloroethane
 Concen: 108.930 ug/l
 RT: 12.74 min Scan# 1839
 Delta R.T. 0.00 min
 Lab File: VD065667.D
 Acq: 22 Apr 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	11.3	5.7	17.1	
85	64.1	31.9	95.9	

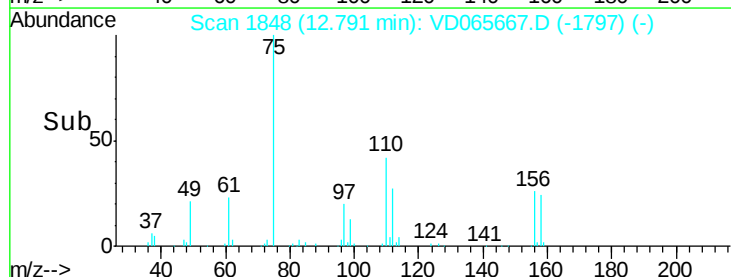
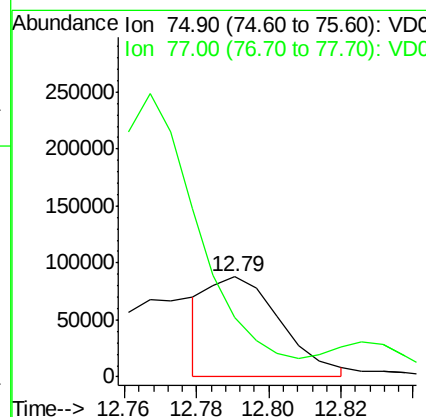
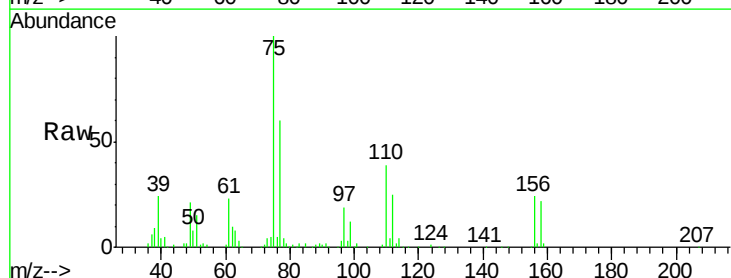
Manual Integrations
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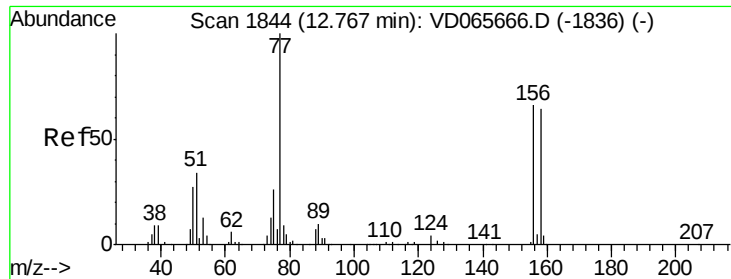
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#76
 1,2,3-Trichloropropane
 Concen: 102.069 ug/l m
 RT: 12.79 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: VD065667.D
 Acq: 22 Apr 2020 15:33

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





#77

Bromobenzene

Concen: 108.536 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Instrument :

MSVOA_D

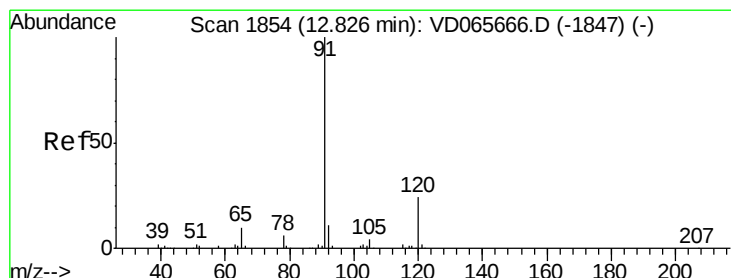
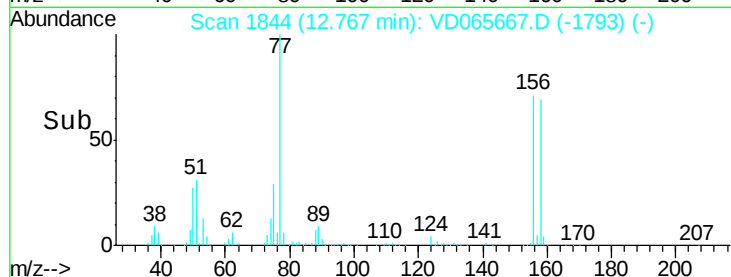
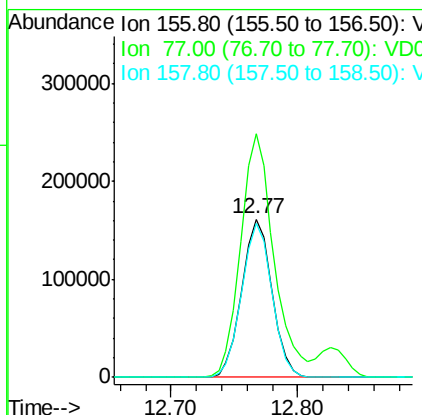
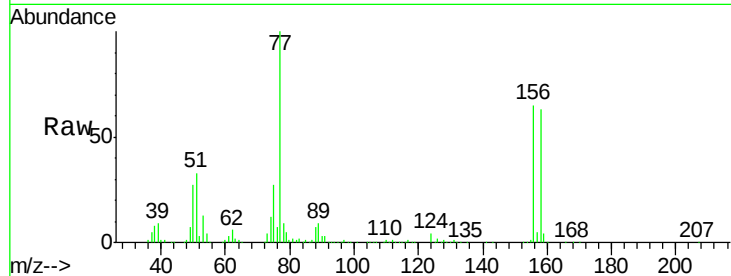
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	168.8	85.8	257.3
158	97.6	49.9	149.6

Manual Integrations
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#78

n-propylbenzene

Concen: 114.119 ug/l

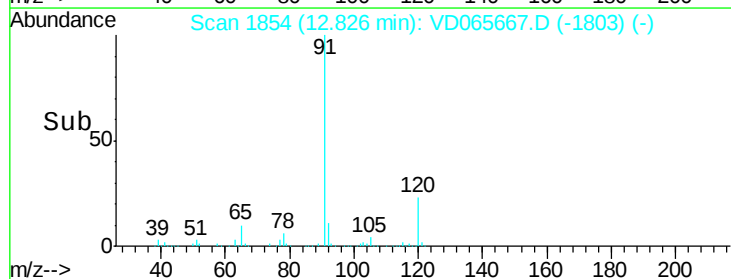
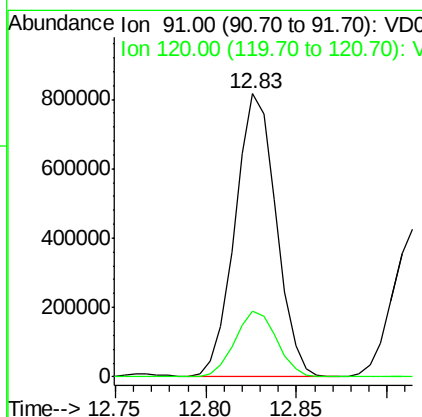
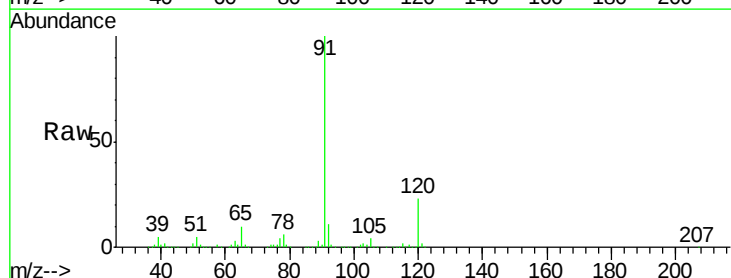
RT: 12.83 min Scan# 1854

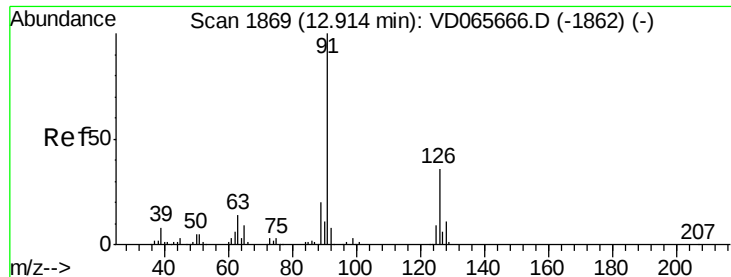
Delta R.T. 0.00 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.7





#79

2-Chlorotoluene

Concen: 110.441 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 707935

Ion Ratio Lower Upper

91 100

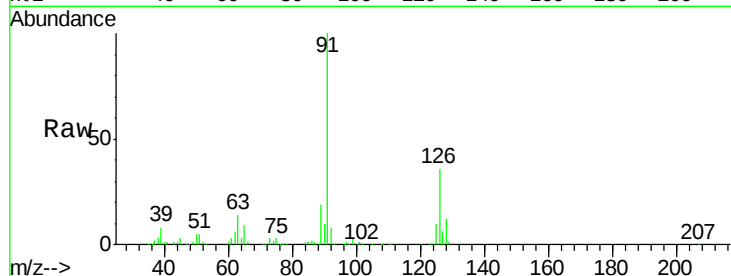
126 35.4 17.8 53.3

Manual Integrations

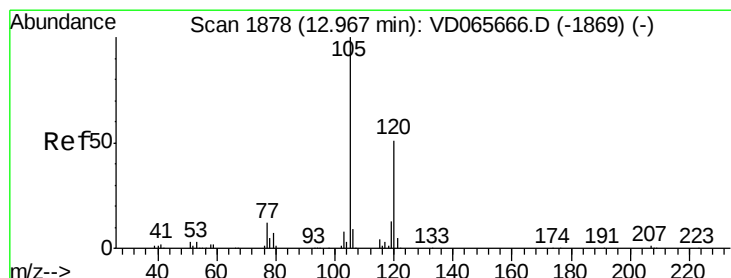
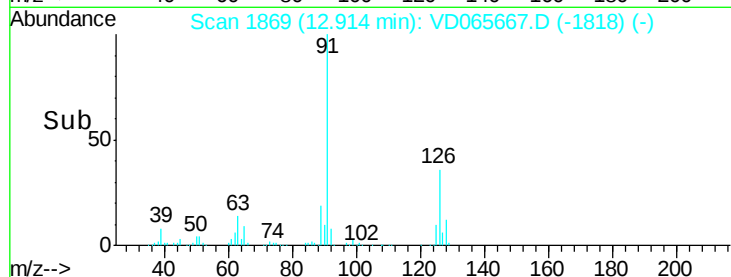
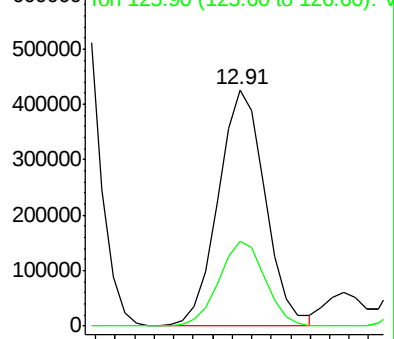
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Abundance Ion 91.00 (90.70 to 91.70): VD065667.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 114.568 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065667.D

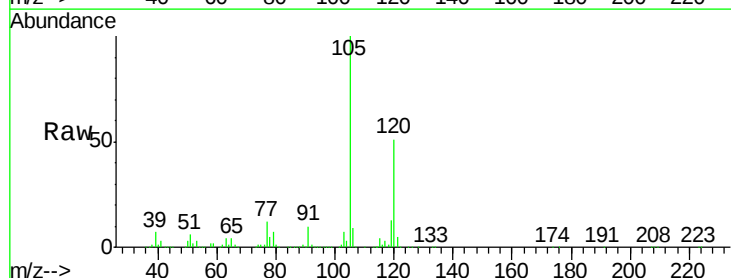
Acq: 22 Apr 2020 15:33

Tgt Ion:105 Resp: 901147

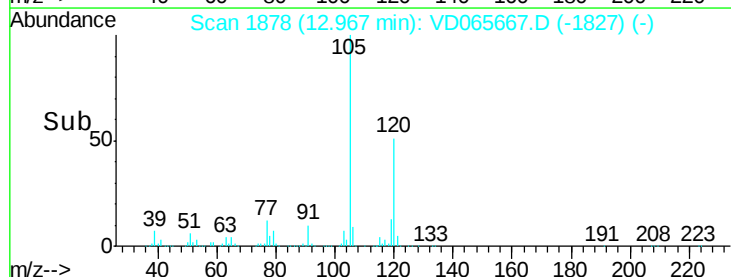
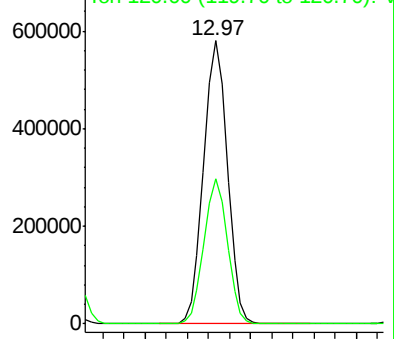
Ion Ratio Lower Upper

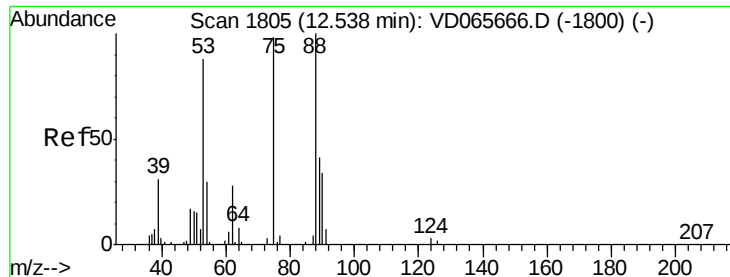
105 100

120 50.7 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065667.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 116.528 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Instrument :

MSVOA_D

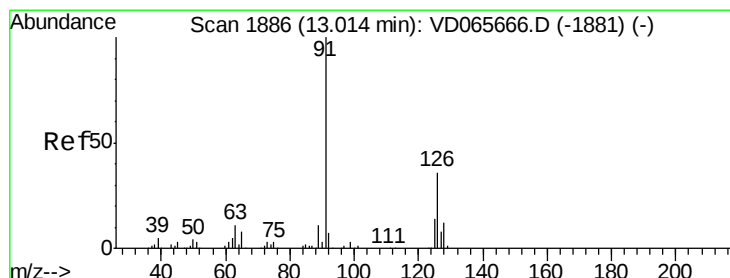
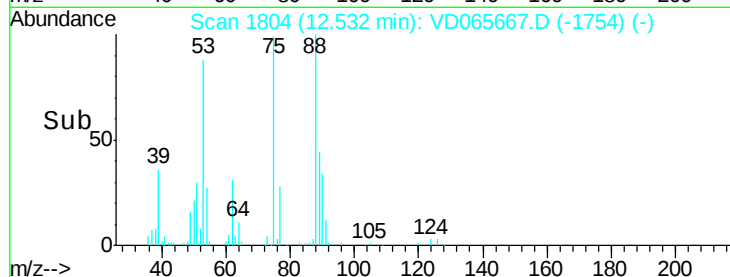
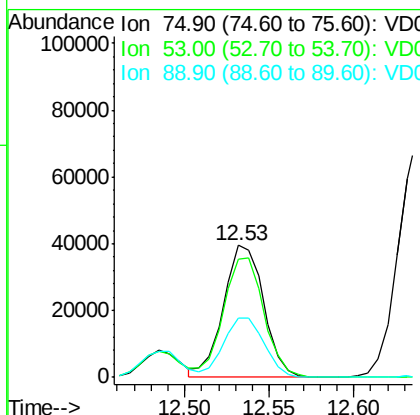
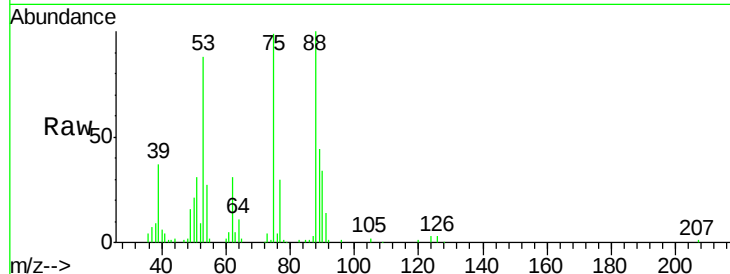
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	65737
Ion	Ratio	Lower	Upper
75	100		
53	90.2	76.5	114.7
89	45.3	35.0	52.6

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#82

4-Chlorotoluene

Concen: 107.831 ug/l

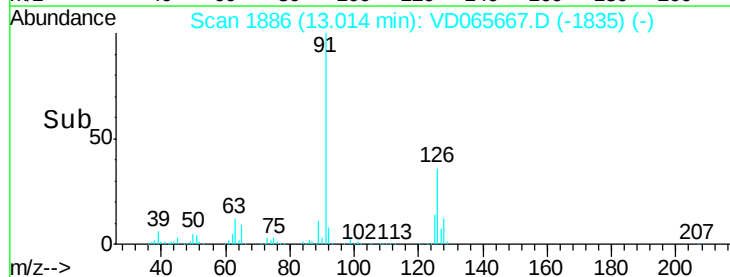
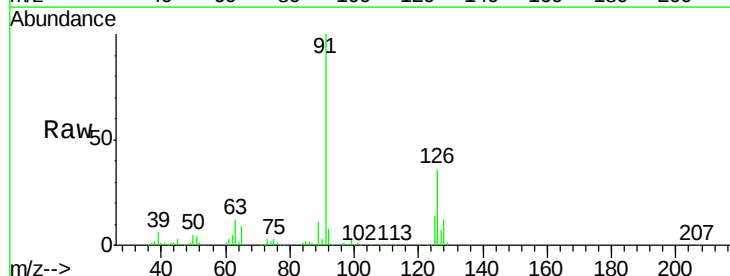
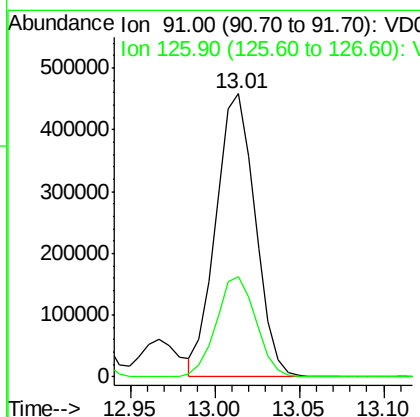
RT: 13.01 min Scan# 1886

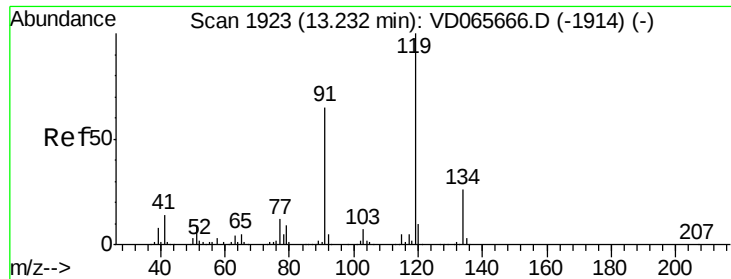
Delta R.T. 0.00 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Tgt Ion:	91	Resp:	744180
Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.7	53.1





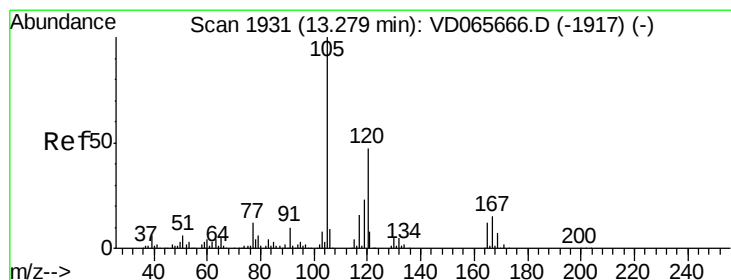
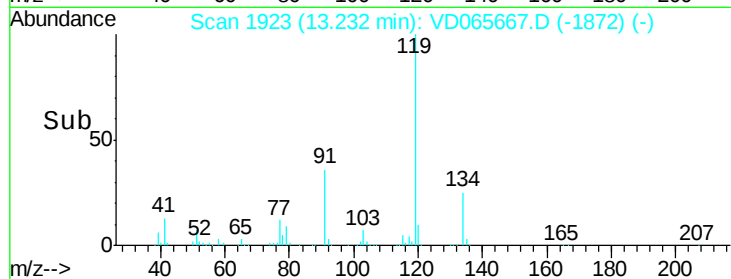
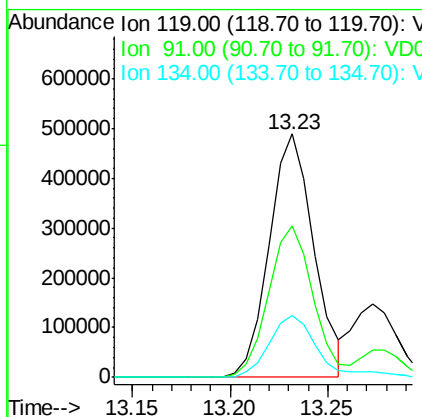
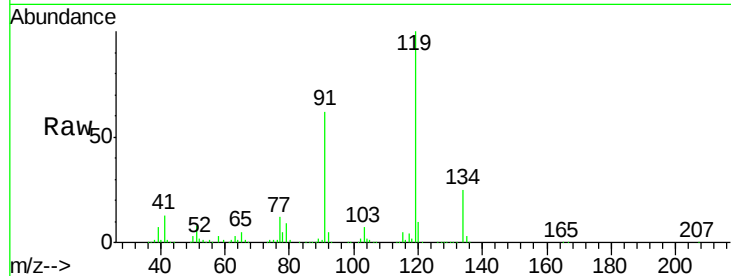
#83
tert-Butylbenzene
Concen: 117.500 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	31.9	95.7
134	27.7	14.1	42.3

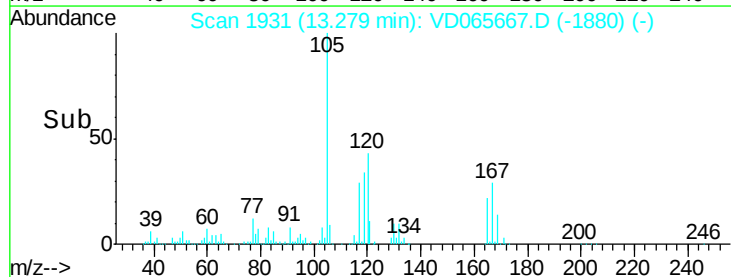
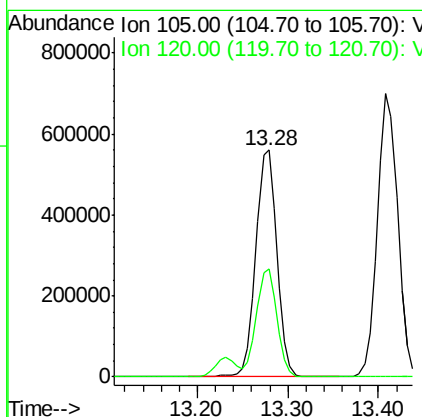
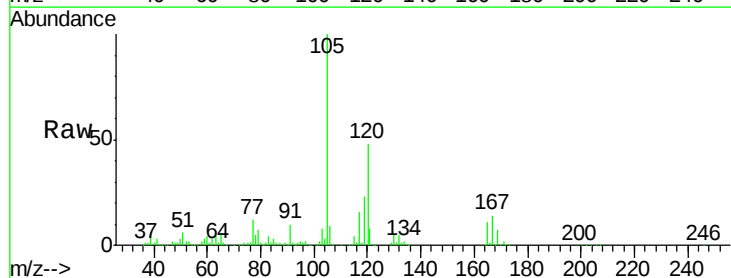
Manual Integrations
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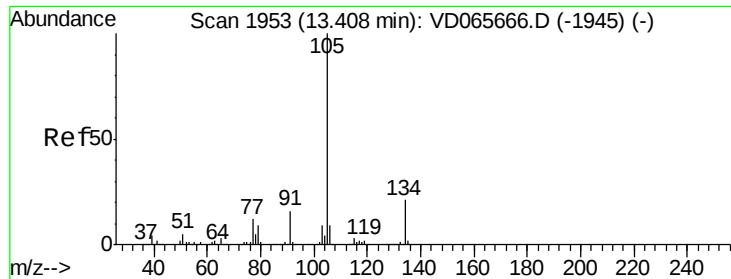
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 115.075 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.5	70.6





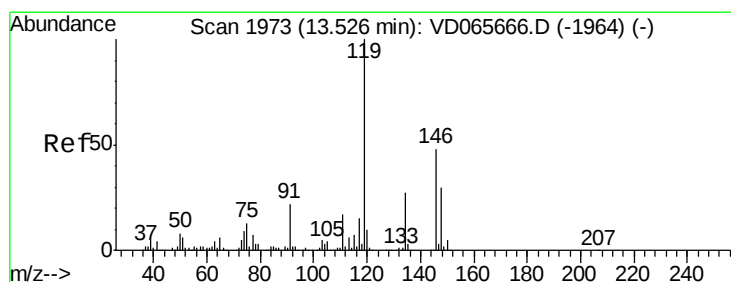
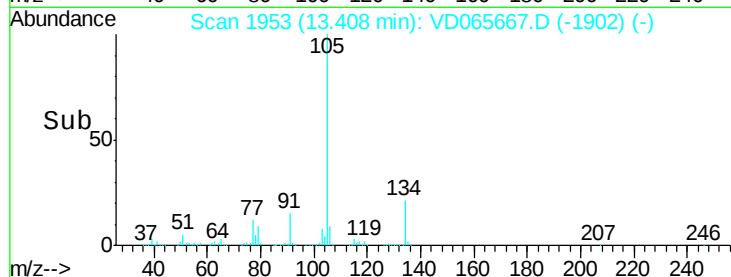
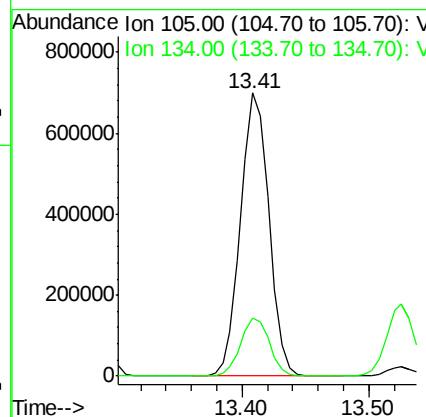
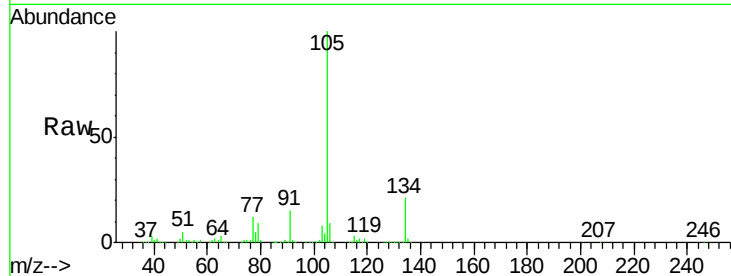
#85
 sec-Butylbenzene
 Concen: 115.086 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065667.D
 Acq: 22 Apr 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1085893
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.5 31.5

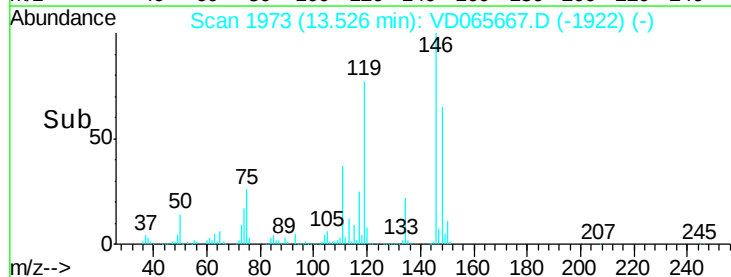
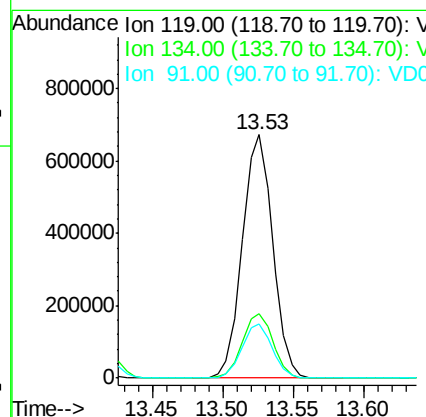
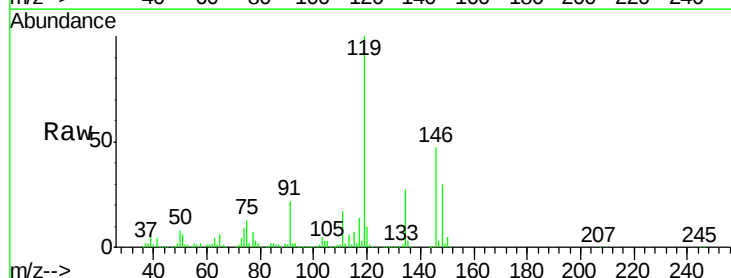
Manual Integrations
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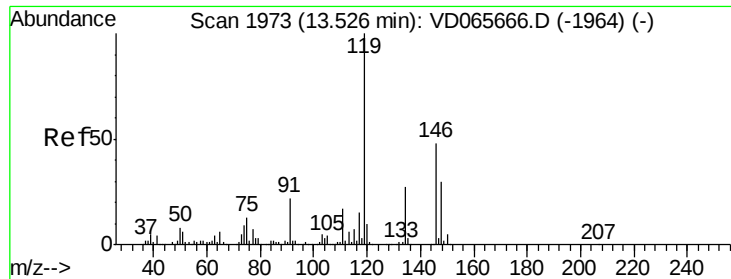
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#86
 p-Isopropyltoluene
 Concen: 114.088 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065667.D
 Acq: 22 Apr 2020 15:33

Tgt Ion:119 Resp: 1011296
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.2
 91 22.1 10.9 32.7





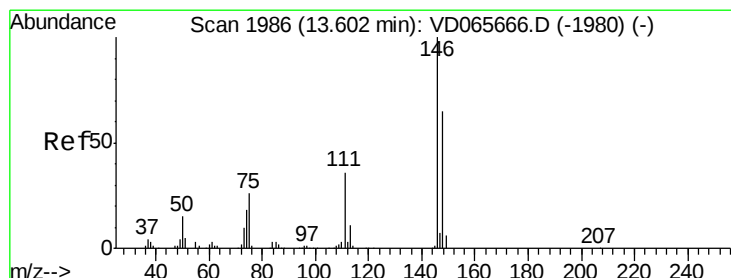
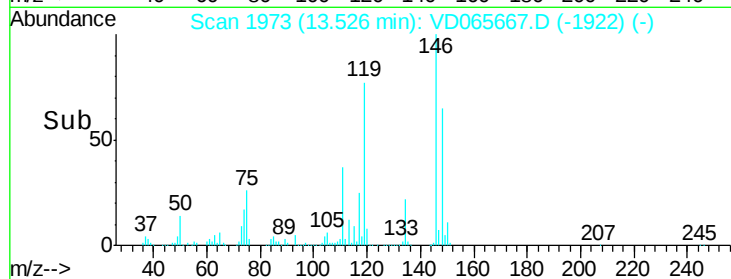
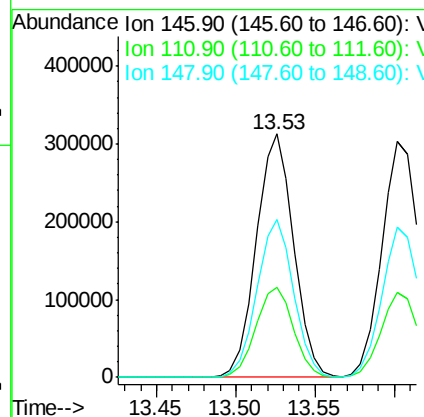
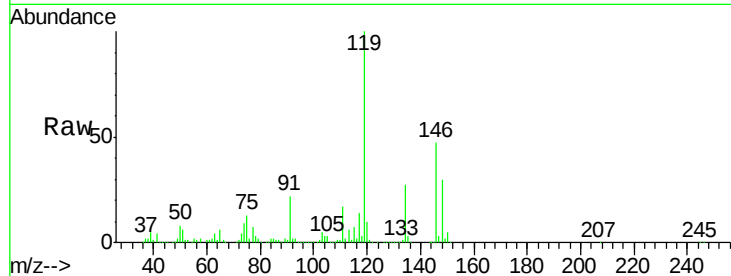
#87
 1,3-Dichlorobenzene
 Concen: 105.450 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065667.D
 Acq: 22 Apr 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	56.0
148	64.1	31.9	95.9

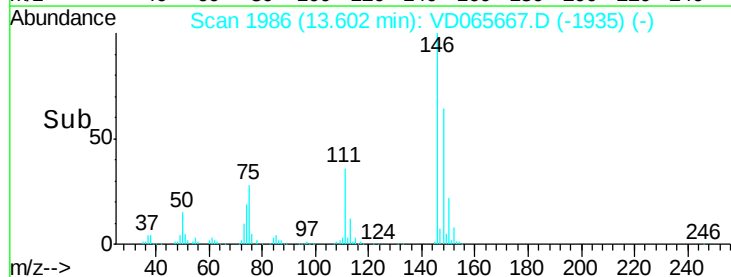
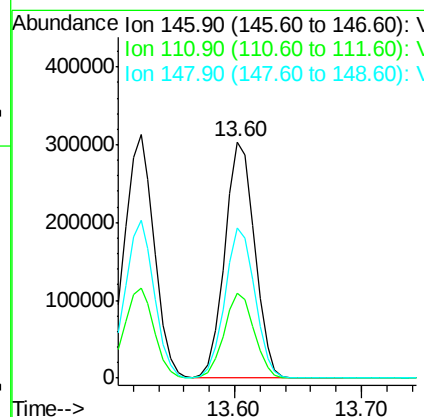
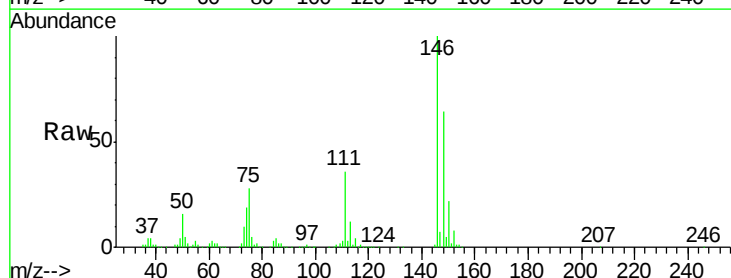
Manual Integrations
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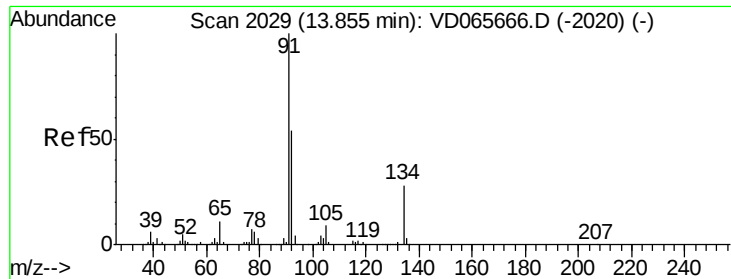
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 4/23/2020 1:31:45 PM



#88
 1,4-Dichlorobenzene
 Concen: 103.018 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065667.D
 Acq: 22 Apr 2020 15:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.1	54.1
148	63.6	31.9	95.5





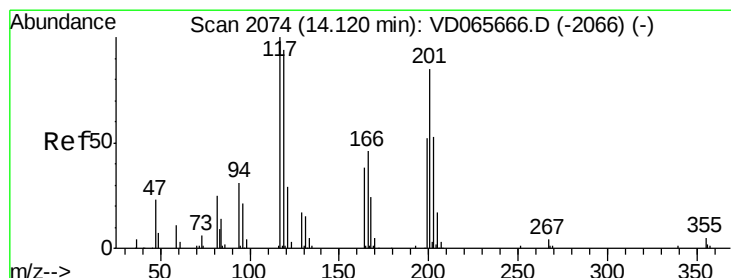
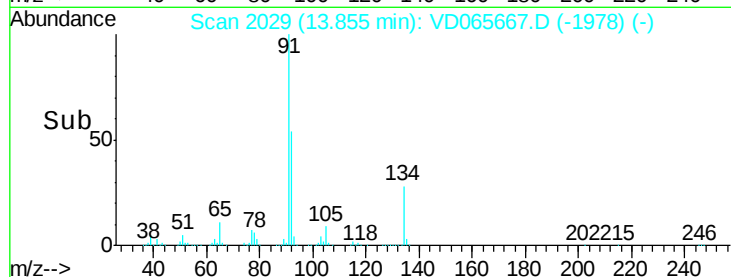
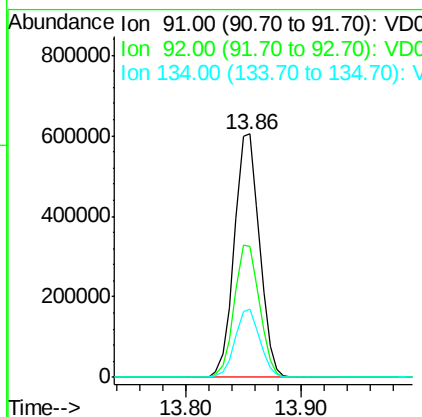
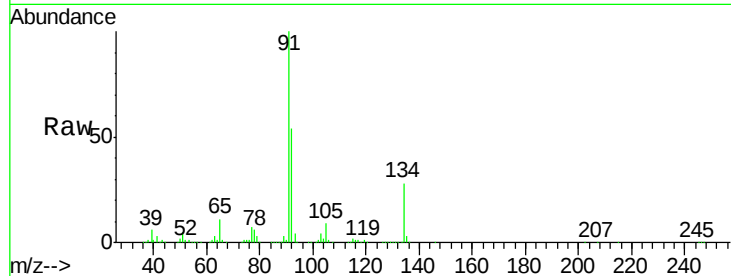
#89
n-Butylbenzene
Concen: 113.727 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
91	100	913594		
92	54.3	27.1	81.2	
134	27.4	13.7	41.0	

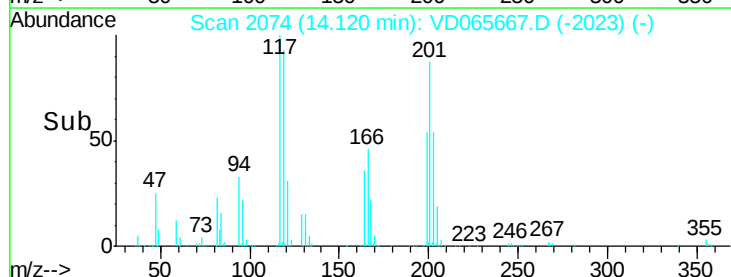
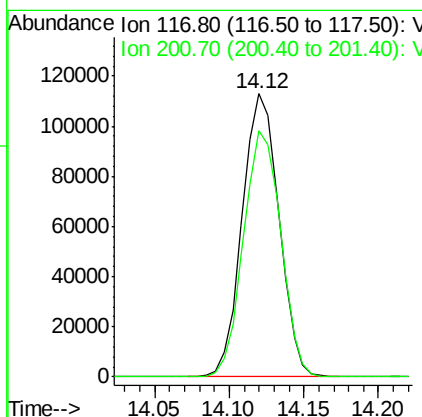
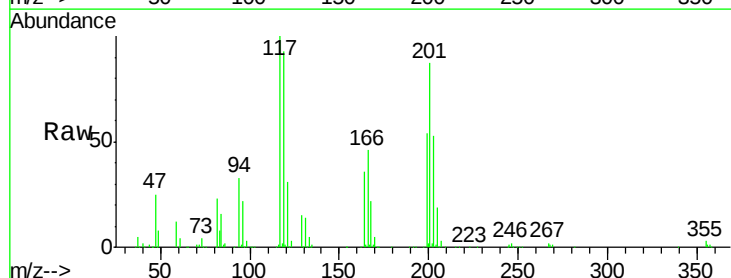
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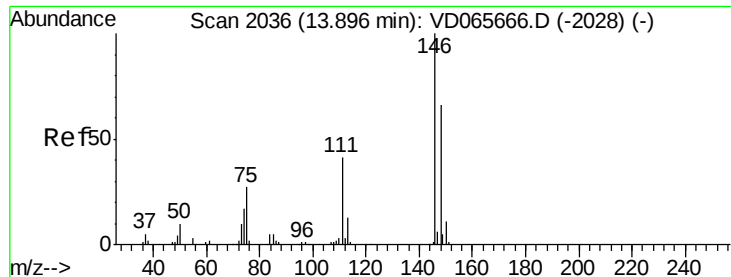
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#90
Hexachloroethane
Concen: 103.424 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065667.D
Acq: 22 Apr 2020 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	192815		
201	88.1	44.6	134.0	





#91

1,2-Dichlorobenzene

Concen: 106.936 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Instrument :

MSVOA_D

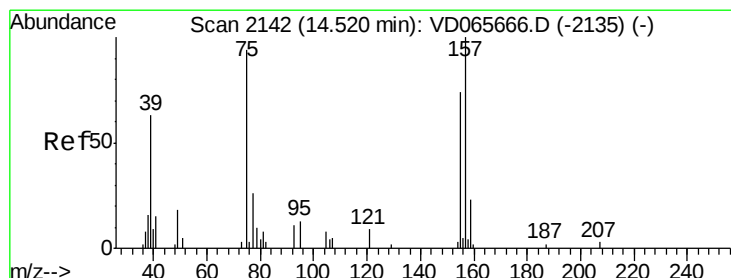
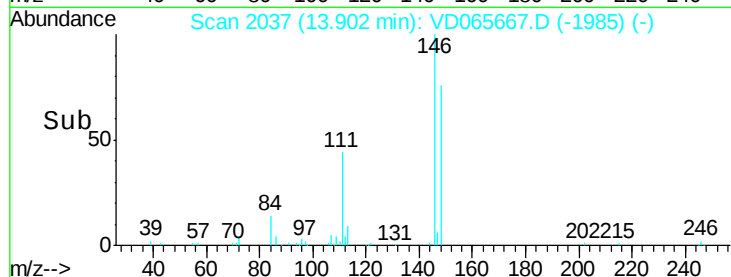
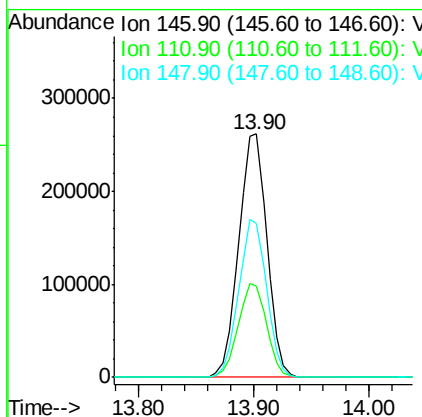
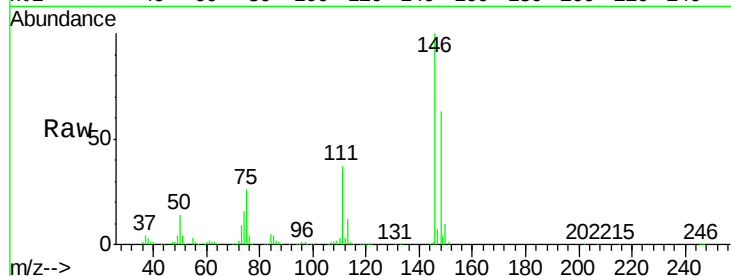
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	443340
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.4	58.1
148	64.2	32.2	96.6

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#92

1,2-Dibromo-3-Chloropropane

Concen: 114.909 ug/l

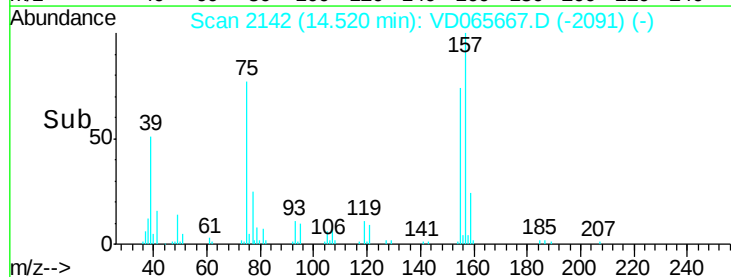
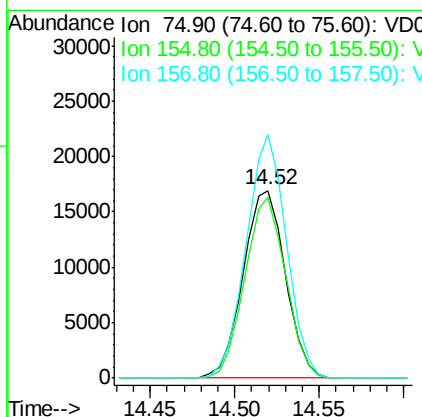
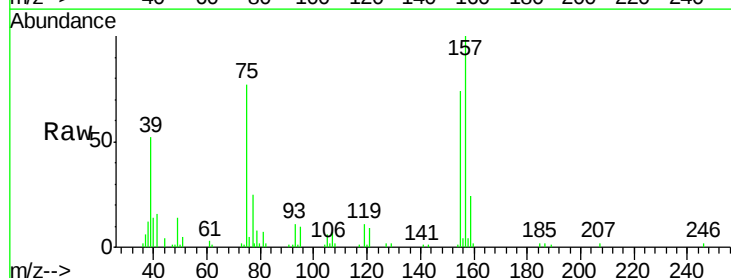
RT: 14.52 min Scan# 2142

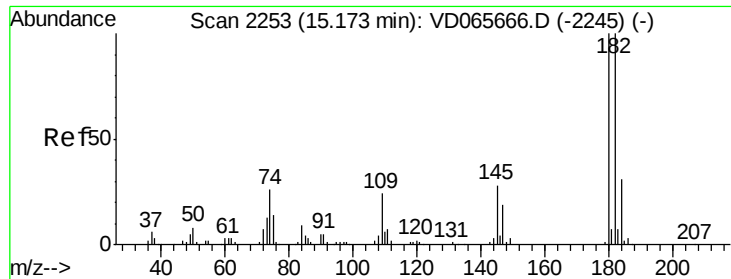
Delta R.T. 0.00 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Tgt Ion:	75	Resp:	29380
Ion Ratio	Lower	Upper	
75	100		
155	93.2	40.6	122.0
157	123.7	52.8	158.5





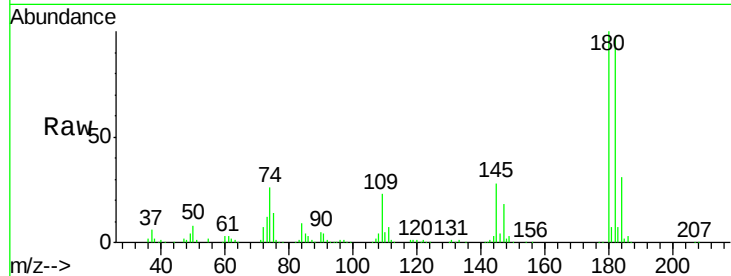
#93
 1,2,4-Trichlorobenzene
 Concen: 112.586 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065667.D
 Acq: 22 Apr 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

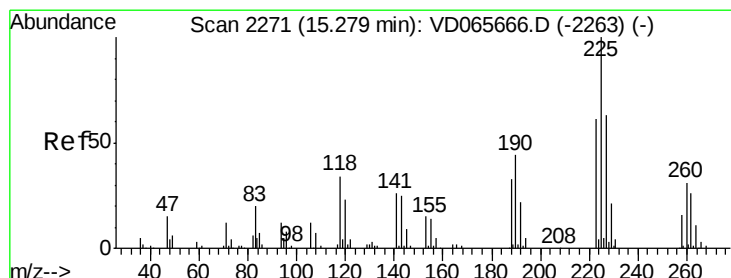
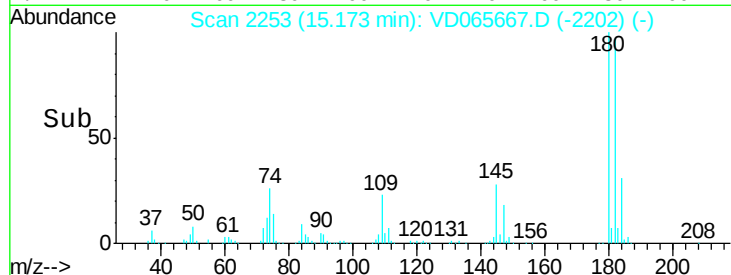
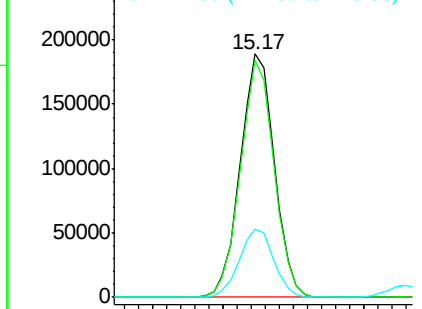
Tot Ion	Ratio	Resp	Lower	Upper
180	100	320035		
182	95.6		47.4	142.2
145	28.4		14.1	42.4

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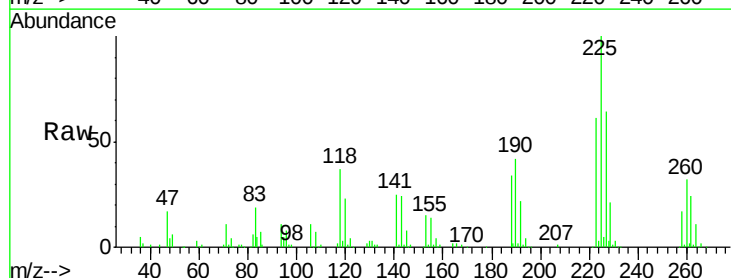


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

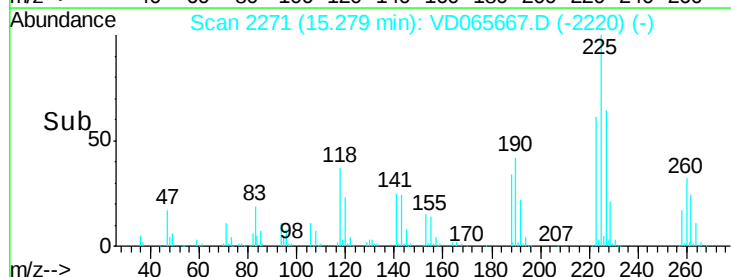
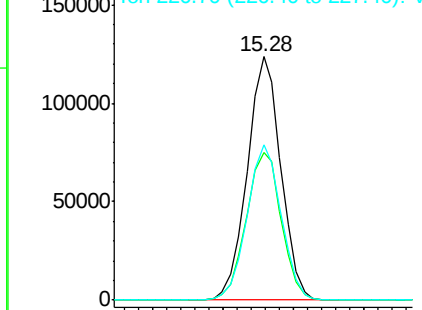


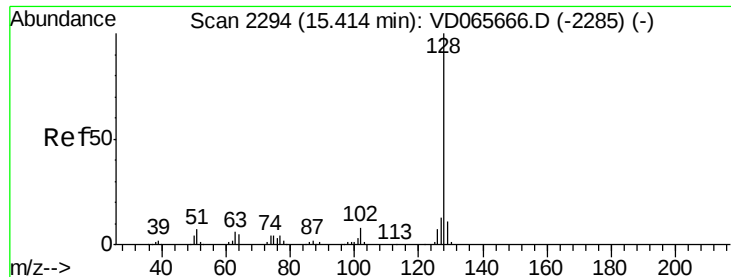
#94
 Hexachlorobutadiene
 Concen: 105.372 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065667.D
 Acq: 22 Apr 2020 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	206378		
223	63.5		30.8	92.4
227	64.6		32.1	96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 129.350 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Instrument :

MSVOA_D

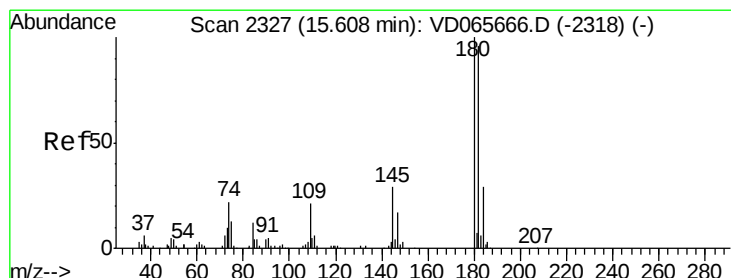
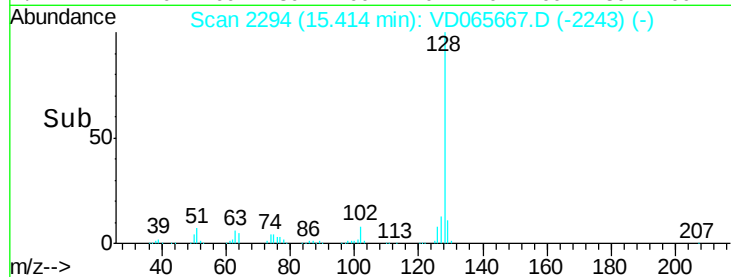
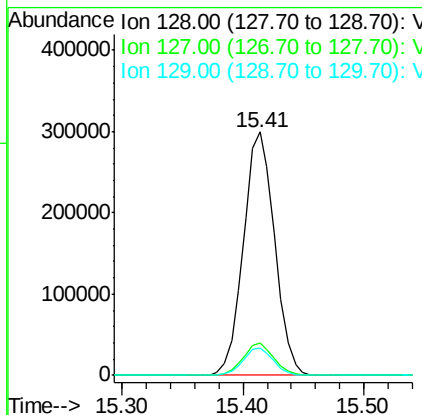
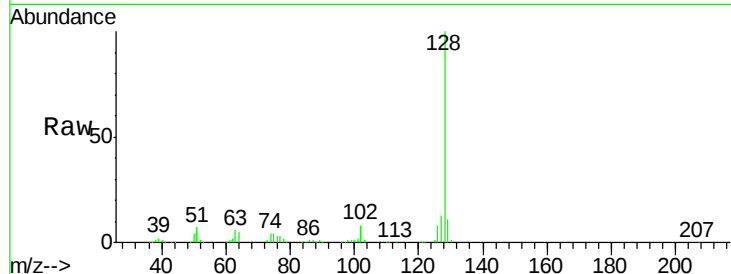
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	539198
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	15.8
129	10.9	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 112.084 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065667.D

Acq: 22 Apr 2020 15:33

Tgt Ion:	180	Resp:	280128
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.4	142.3
145	30.2	14.6	44.0

