

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020320\
 Data File : VD065044.D
 Acq On : 03 Feb 2020 10:08
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 11:21:08 AM

Quant Time: Feb 03 10:51:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	519012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	749402	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	650749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	312567	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	242184	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
35) Dibromofluoromethane	7.92	113	240077	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
50) Toluene-d8	10.34	98	933331	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.64	95	289900	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	204264	52.241	ug/l	98
3) Chloromethane	2.21	50	273649	47.752	ug/l	97
4) Vinyl Chloride	2.35	62	313232	47.590	ug/l	98
5) Bromomethane	2.77	94	189648	42.835	ug/l	100
6) Chloroethane	2.93	64	195383	45.027	ug/l	100
7) Trichlorofluoromethane	3.27	101	474858	46.715	ug/l	99
8) Diethyl Ether	3.71	74	108660	47.352	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	251704	53.224	ug/l	97
10) Methyl Iodide	4.30	142	259904	51.775	ug/l	99
11) Tert butyl alcohol	5.24	59	56697	206.087	ug/l #	74
12) 1,1-Dichloroethene	4.06	96	233736	51.736	ug/l	98
13) Acrolein	3.93	56	83609	242.427	ug/l	98
14) Allyl chloride	4.71	41	382121	53.031	ug/l	98
15) Acrylonitrile	5.43	53	238901	240.413	ug/l	97
16) Acetone	4.16	43	320212	276.091	ug/l	98
17) Carbon Disulfide	4.40	76	742769	49.954	ug/l	99
18) Methyl Acetate	4.72	43	106172	45.536	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	488190	48.361	ug/l	97
20) Methylene Chloride	4.96	84	253172	52.633	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	270457	51.959	ug/l	98
22) Diisopropyl ether	6.37	45	737286	51.342	ug/l	99
23) Vinyl Acetate	6.31	43	2089480	248.520	ug/l	99
24) 1,1-Dichloroethane	6.27	63	462290	52.432	ug/l	99
25) 2-Butanone	7.22	43	340659	253.278	ug/l	100
26) 2,2-Dichloropropane	7.21	77	424561	53.087	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	285091	51.315	ug/l	99
28) Bromochloromethane	7.55	49	179956	51.035	ug/l	99
29) Tetrahydrofuran	7.57	42	187647	226.117	ug/l	99
30) Chloroform	7.71	83	466223	51.153	ug/l	100
31) Cyclohexane	7.98	56	437946	50.492	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	438044	51.662	ug/l	100
36) 1,1-Dichloropropene	8.11	75	381572	52.803	ug/l	99
37) Ethyl Acetate	7.30	43	137265	45.986	ug/l	99
38) Carbon Tetrachloride	8.10	117	405052	53.032	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	452433	53.552	ug/l	99
40) Benzene	8.35	78	1030242	51.765	ug/l	99
41) Methacrylonitrile	7.53	41	81574m	50.731	ug/l	
42) 1,2-Dichloroethane	8.43	62	289700	48.865	ug/l	98
43) Isopropyl Acetate	8.46	43	262313	46.264	ug/l	98
44) Trichloroethene	9.11	130	289166	51.914	ug/l	99
45) 1,2-Dichloropropane	9.39	63	250345	51.887	ug/l	99
46) Dibromomethane	9.48	93	125898	47.795	ug/l	99
47) Bromodichloromethane	9.67	83	349593	51.004	ug/l	97
48) Methyl methacrylate	9.46	41	127180	48.743	ug/l	96
49) 1,4-Dioxane	9.47	88	28357	928.209	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	667116	235.147	ug/l	100
52) Toluene	10.41	92	665951	51.899	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	328062	50.246	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	391400	51.201	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	171996	48.474	ug/l	98
56) Ethyl methacrylate	10.67	69	211246	49.787	ug/l	99
57) 1,3-Dichloropropane	10.95	76	300975	49.456	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	349281	247.783	ug/l	98
59) 2-Hexanone	10.99	43	522158	266.830	ug/l	100
60) Dibromochloromethane	11.14	129	233034	49.139	ug/l	98
61) 1,2-Dibromoethane	11.26	107	164715	48.211	ug/l	99
64) Tetrachloroethene	10.88	164	247119	52.550	ug/l	98
65) Chlorobenzene	11.68	112	678729	51.370	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	255589	51.436	ug/l	99
67) Ethyl Benzene	11.75	91	1262758	53.833	ug/l	100
68) m/p-Xylenes	11.86	106	989776	109.592	ug/l	100
69) o-Xylene	12.18	106	427692	53.358	ug/l	100
70) Styrene	12.20	104	778436	54.518	ug/l	100
71) Bromoform	12.37	173	132989	48.146	ug/l #	100
73) Isopropylbenzene	12.48	105	1199287	56.137	ug/l	100
74) N-amyl acetate	12.30	43	236472	49.466	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	174250	48.529	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	127145m	49.009	ug/l	
77) Bromobenzene	12.77	156	276275	52.854	ug/l	99
78) n-propylbenzene	12.83	91	1428332	56.219	ug/l	99
79) 2-Chlorotoluene	12.91	91	767258	55.050	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	979119	55.926	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	59228	48.747	ug/l	98
82) 4-Chlorotoluene	13.01	91	800515	54.158	ug/l	99
83) tert-Butylbenzene	13.23	119	818173	55.069	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	972926	54.858	ug/l	100
85) sec-Butylbenzene	13.41	105	1187896	56.469	ug/l	98
86) p-Isopropyltoluene	13.53	119	1118658	56.828	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	539858	53.828	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	520103	52.249	ug/l	99
89) n-Butylbenzene	13.86	91	1008523	56.139	ug/l	99
90) Hexachloroethane	14.12	117	207109	54.558	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	442462	51.965	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28017	48.758	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	310622	52.733	ug/l	99
94) Hexachlorobutadiene	15.28	225	200276	53.753	ug/l	97
95) Naphthalene	15.41	128	472700	49.724	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	264339	51.756	ug/l	99

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

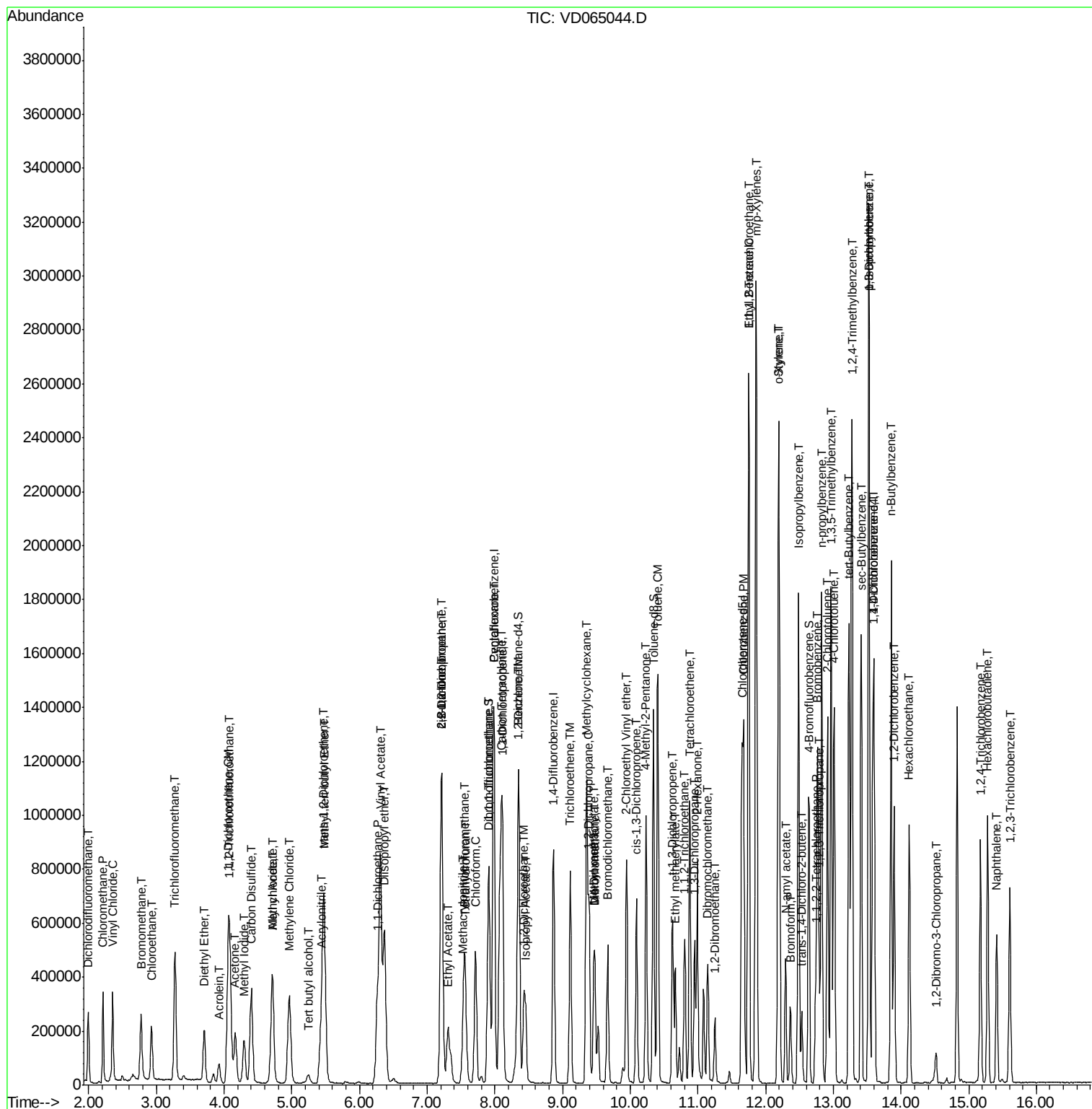
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD020320\
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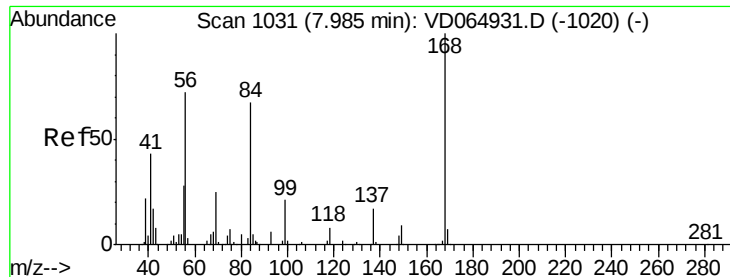
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 519012

Ion Ratio Lower Upper

168 100

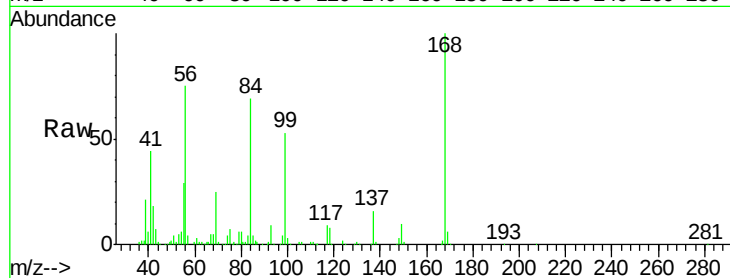
99 52.6 43.3 64.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

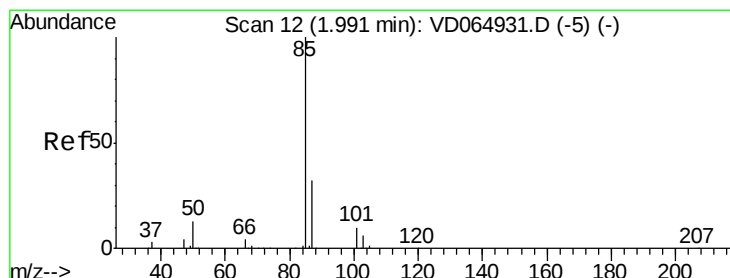
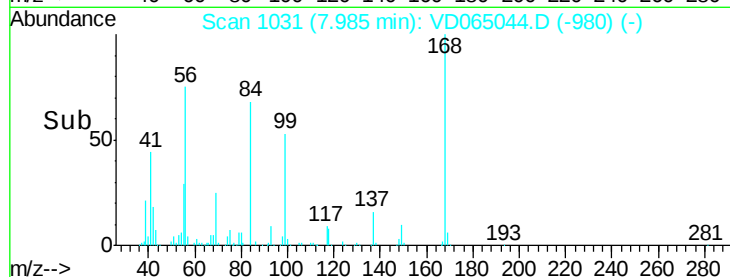
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 52.241 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065044.D

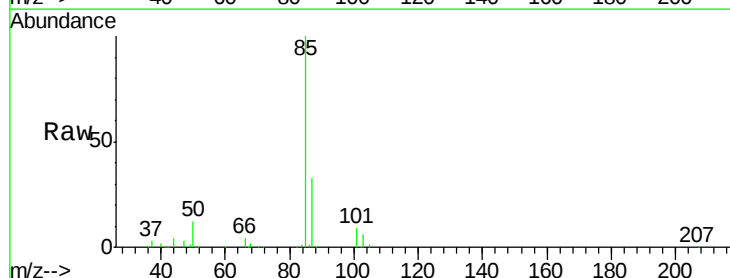
Acq: 03 Feb 2020 10:08

Tgt Ion: 85 Resp: 204264

Ion Ratio Lower Upper

85 100

87 32.6 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

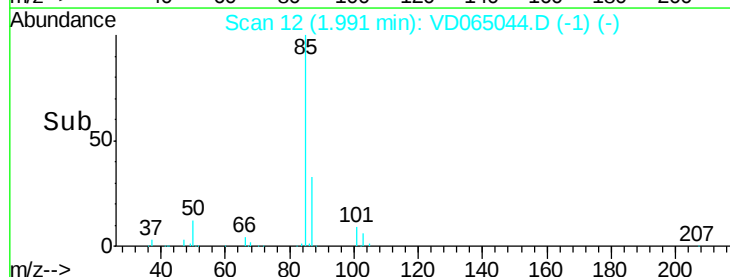
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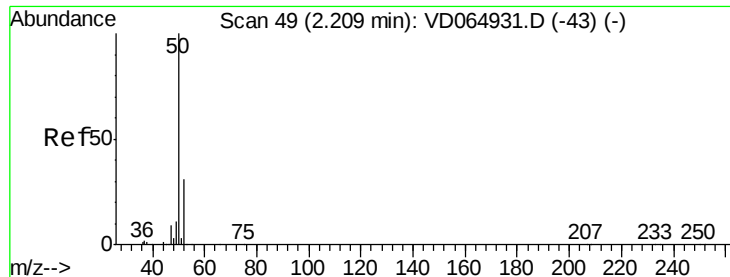
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 47.752 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 273649

Ion Ratio Lower Upper

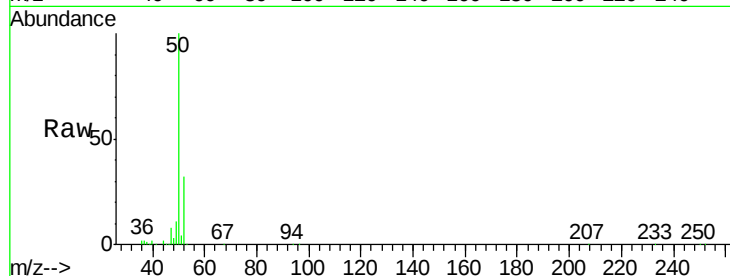
50 100

52 32.3 24.6 36.8

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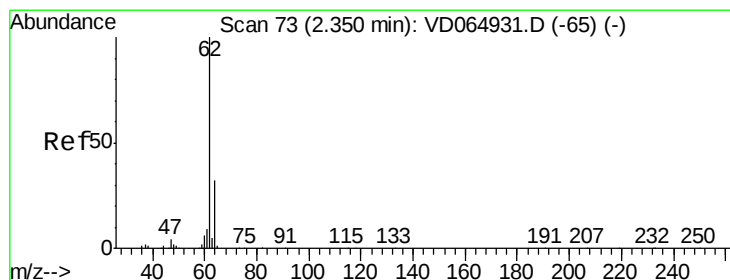
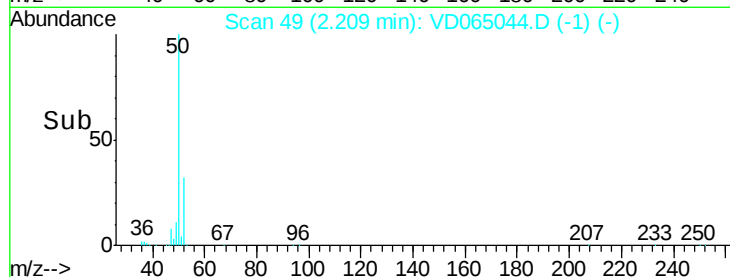
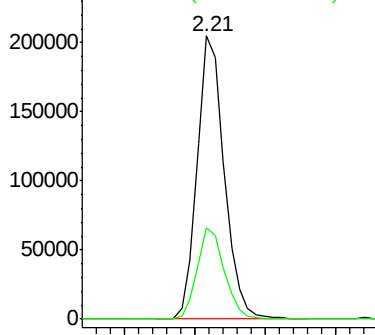
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.590 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065044.D

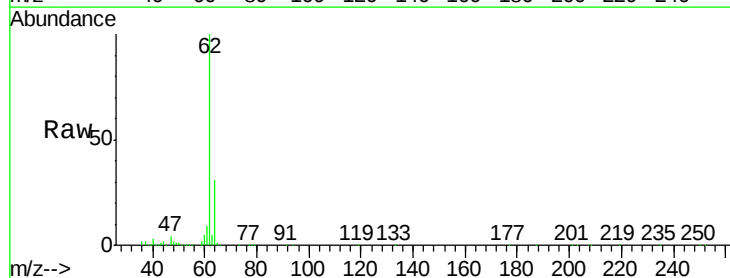
Acq: 03 Feb 2020 10:08

Tgt Ion: 62 Resp: 313232

Ion Ratio Lower Upper

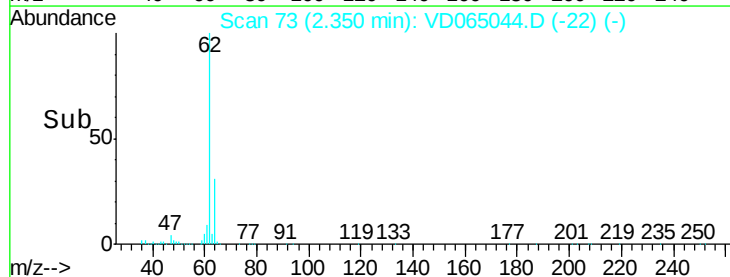
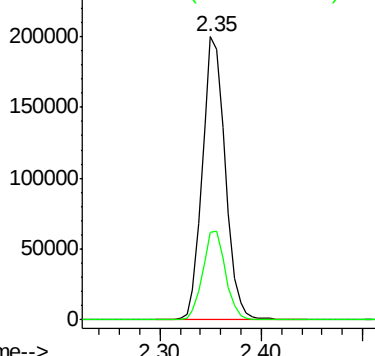
62 100

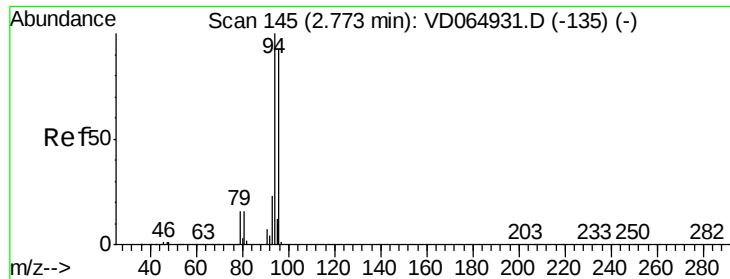
64 31.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 42.835 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 189648

Ion Ratio Lower Upper

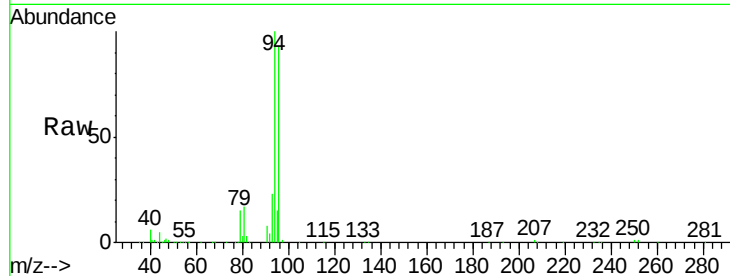
94 100

96 92.9 74.6 111.8

Manual Integrations
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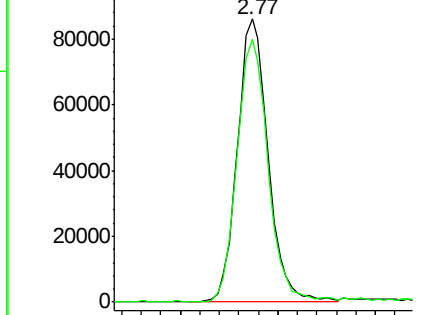
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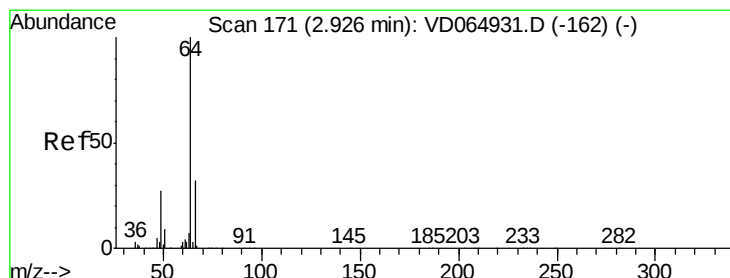
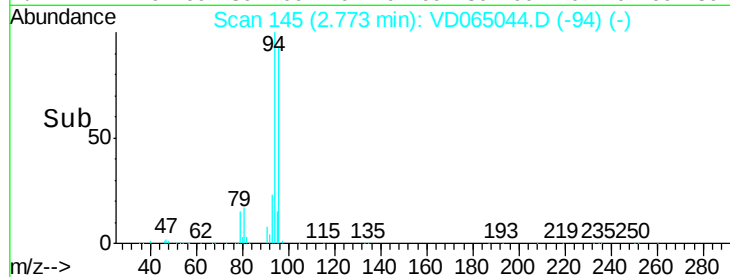


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 45.027 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065044.D

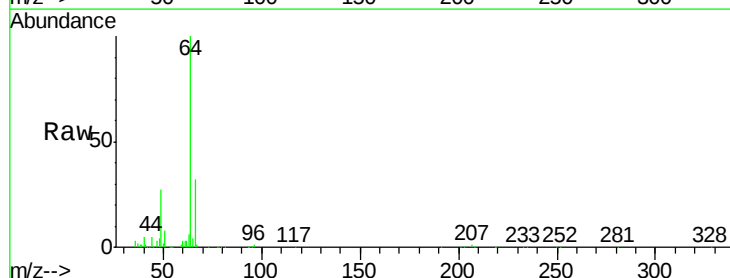
Acq: 03 Feb 2020 10:08

Tgt Ion: 64 Resp: 195383

Ion Ratio Lower Upper

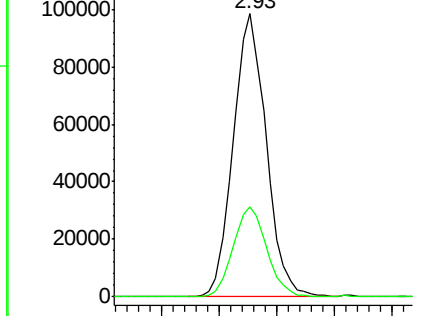
64 100

66 31.8 25.3 37.9

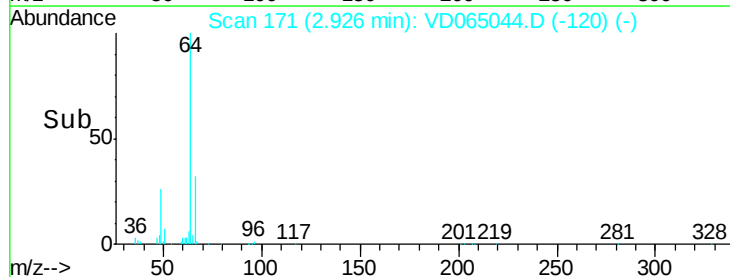


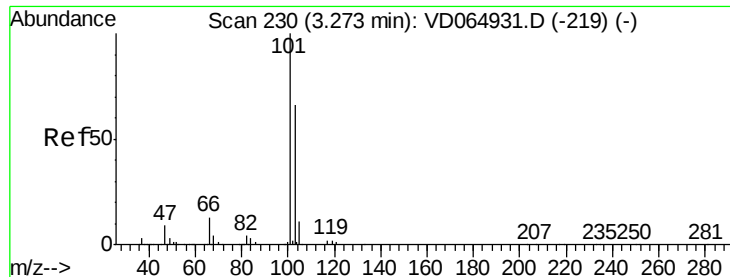
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

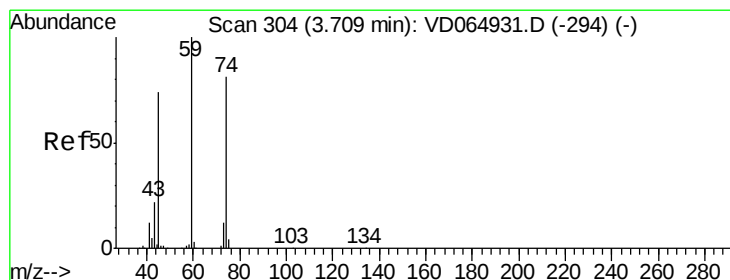
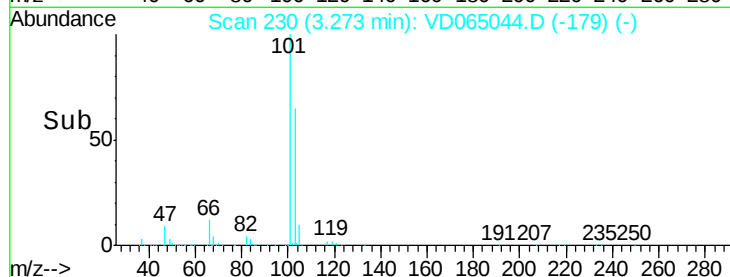
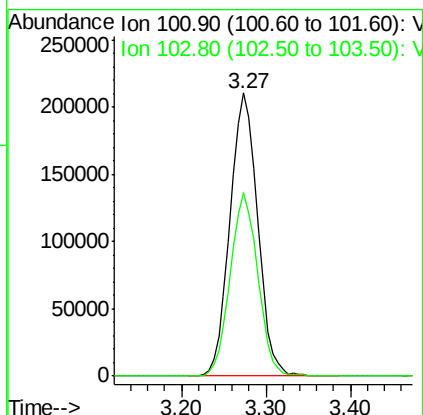
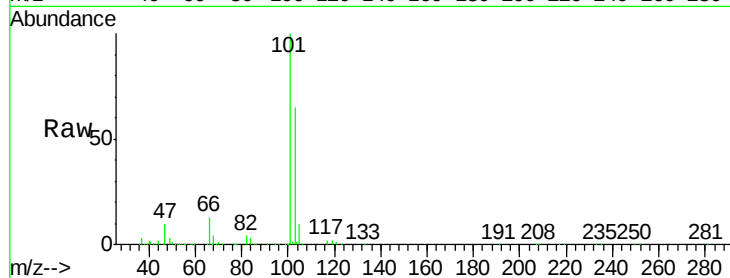
Trichlorofluoromethane
Concen: 46.715 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Instrument :
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.5	78.7

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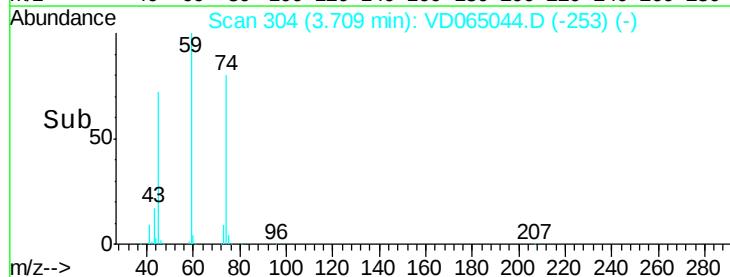
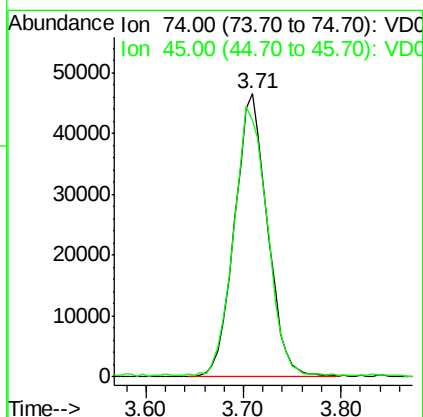
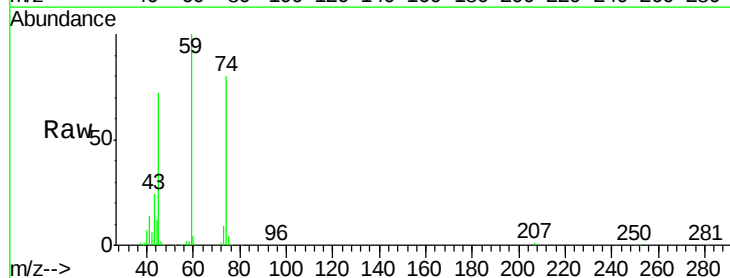
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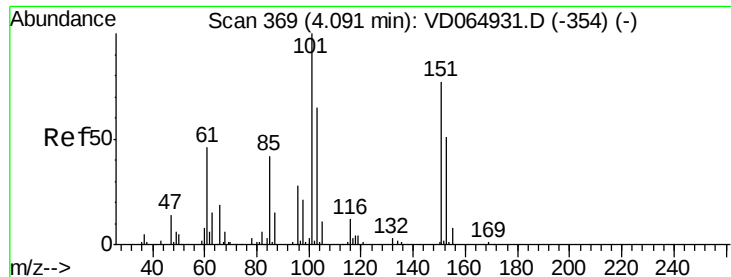


#8

Diethyl Ether
Concen: 47.352 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.224 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

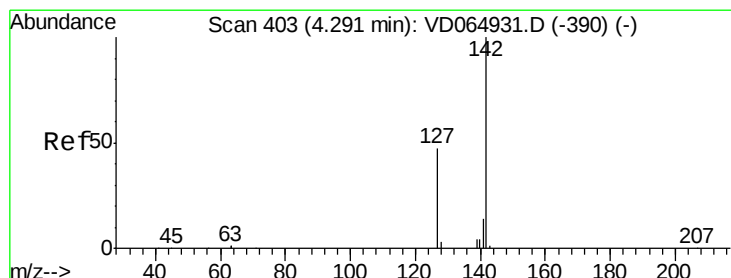
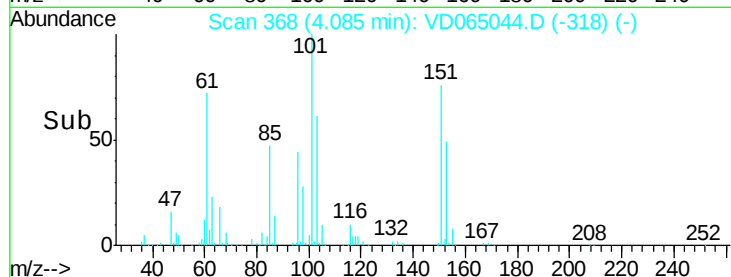
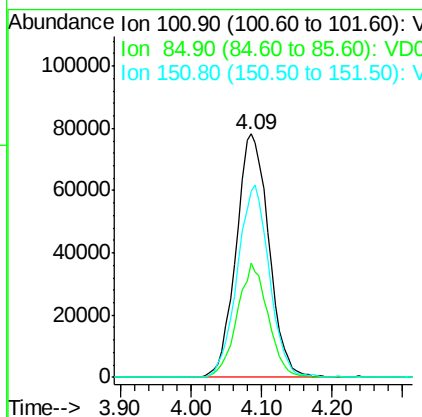
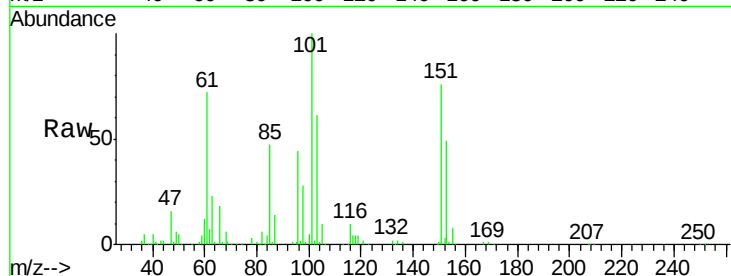
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	251704
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.0	52.4
151	77.4	64.6	96.8

Manual Integrations
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#10

Methyl Iodide

Concen: 51.775 ug/l

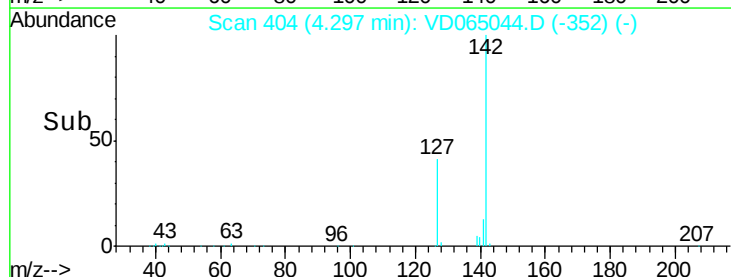
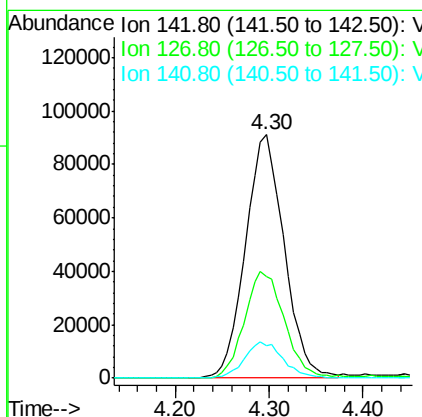
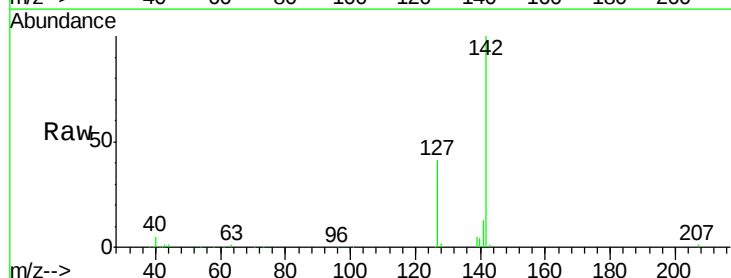
RT: 4.30 min Scan# 404

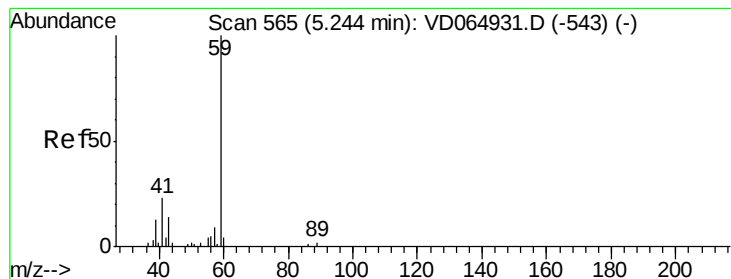
Delta R.T. 0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Tgt Ion:	142	Resp:	259904
Ion Ratio	Lower	Upper	
142	100		
127	45.6	36.2	54.2
141	14.9	11.6	17.4





#11

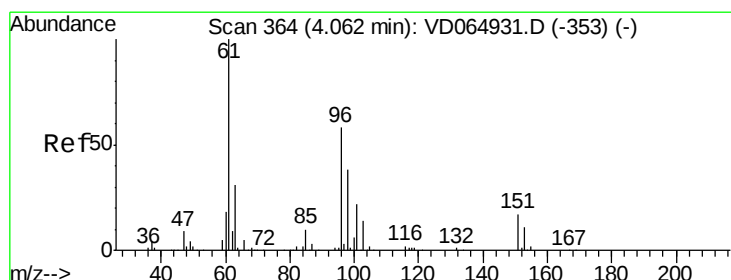
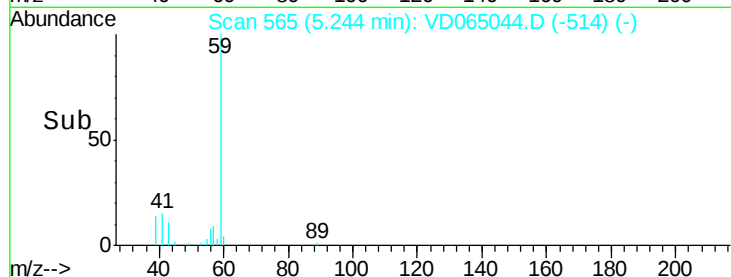
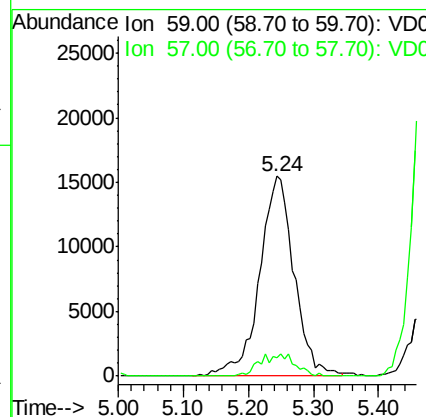
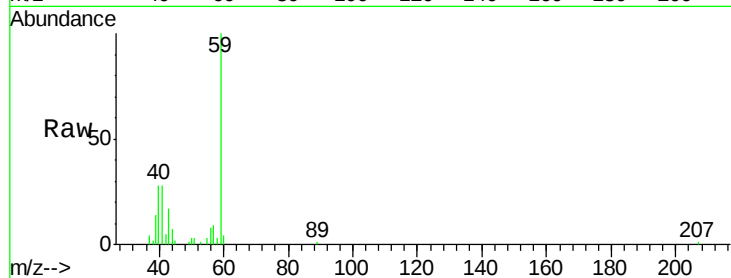
Tert butyl alcohol
 Concen: 206.087 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	59.00 (58.70 to 59.70): VDC	Resp	56697
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.7	11.5#

Manual Integrations
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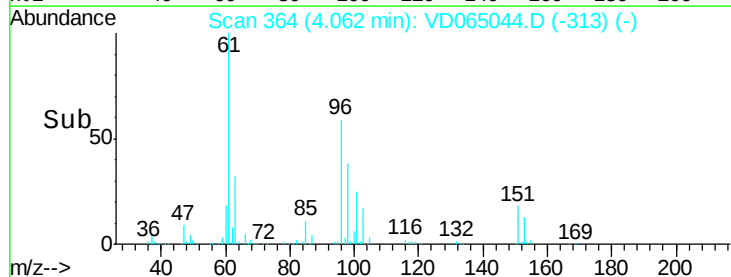
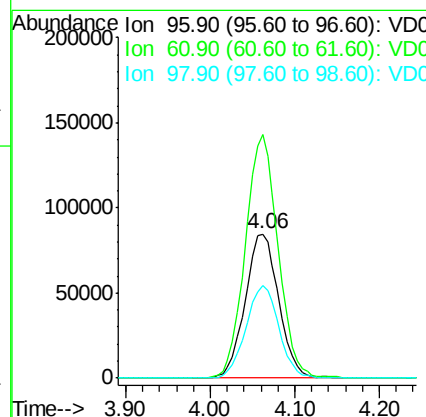
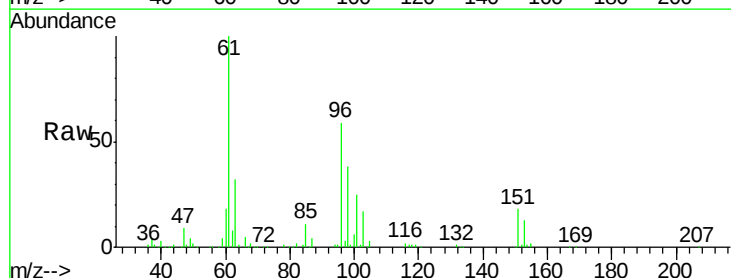
MMDadoda
 2/4/2020 11:21:08 AM

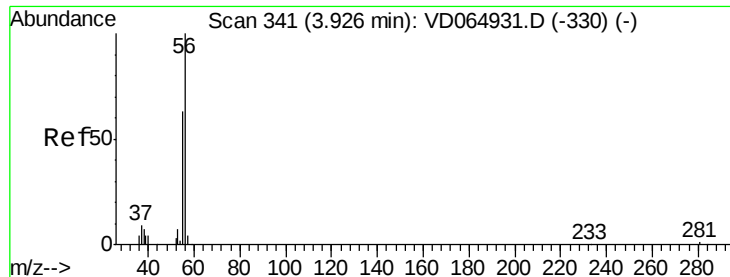


#12

1,1-Dichloroethene
 Concen: 51.736 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Tgt Ion	96	Resp	233736
Ion	Ratio	Lower	Upper
96	100		
61	168.8	137.0	205.4
98	64.2	52.1	78.1





#13

Acrolein

Concen: 242.427 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 83609

Ion Ratio Lower Upper

56 100

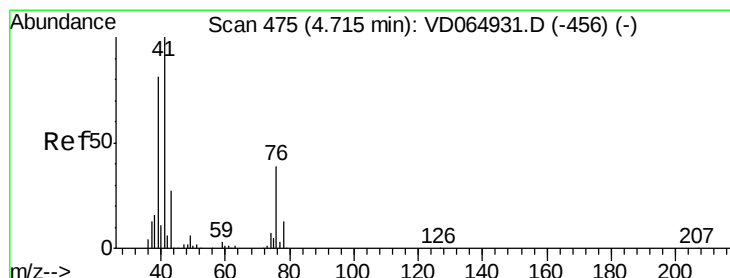
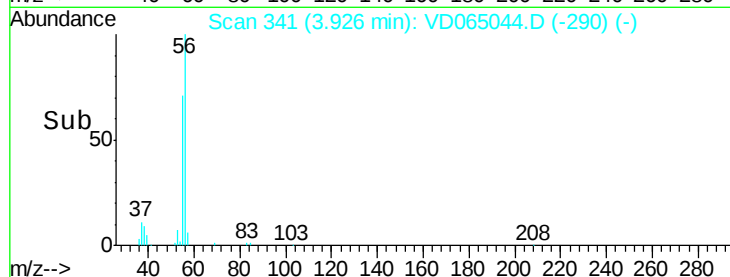
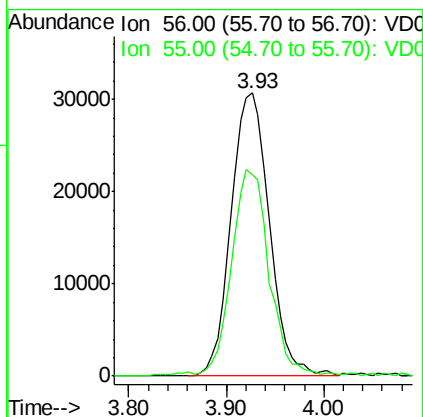
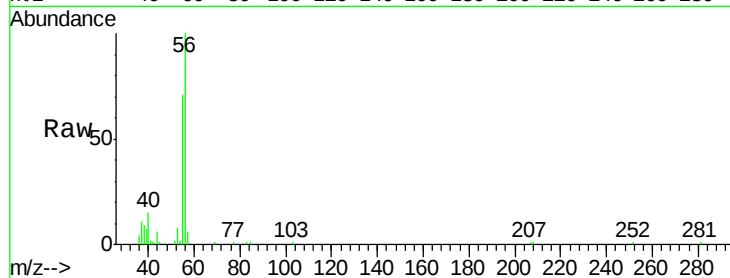
55 72.5 59.7 89.5

Manual Integrations

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#14

Allyl chloride

Concen: 53.031 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

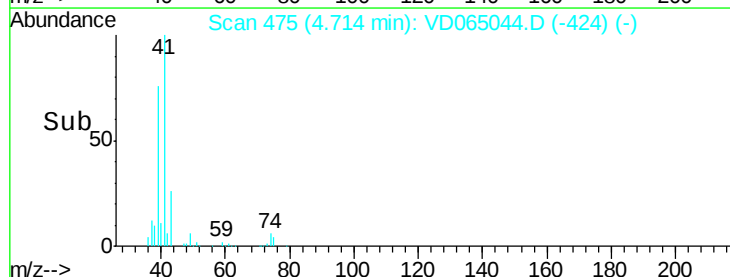
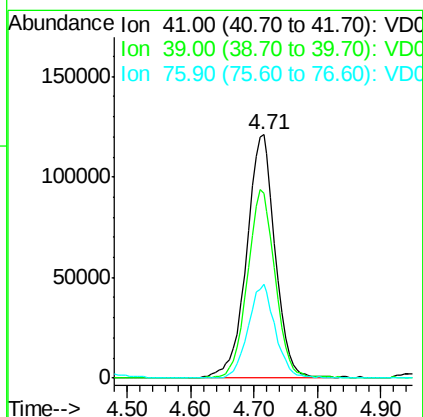
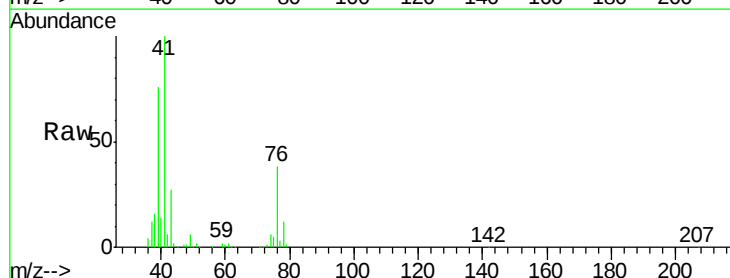
Tgt Ion: 41 Resp: 382121

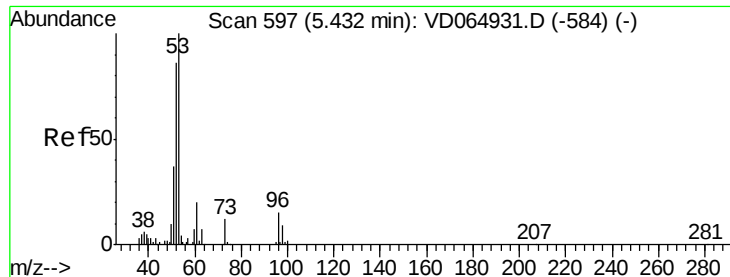
Ion Ratio Lower Upper

41 100

39 75.0 62.0 93.0

76 35.9 29.3 43.9





#15

Acrylonitrile

Concen: 240.413 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

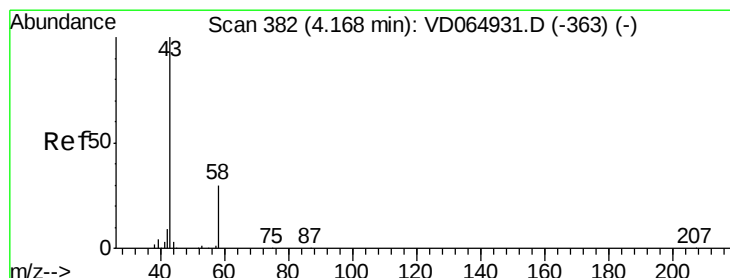
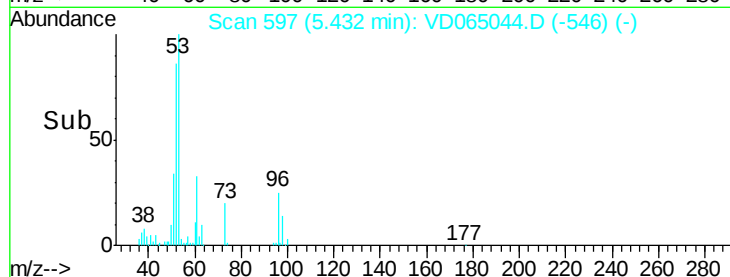
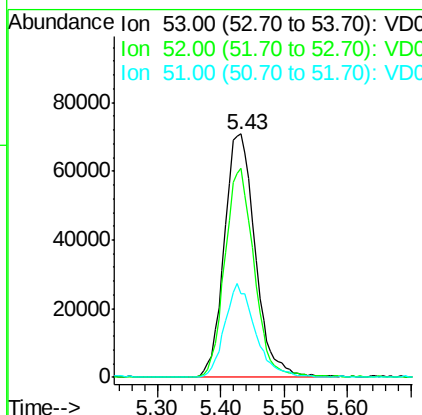
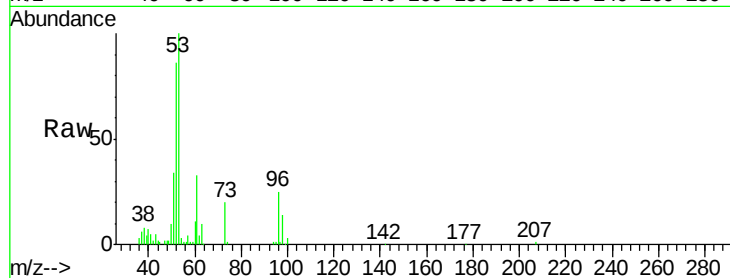
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	238901
Ion Ratio	Lower	Upper	
53	100		
52	81.0	66.7	100.1
51	37.5	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 276.091 ug/l

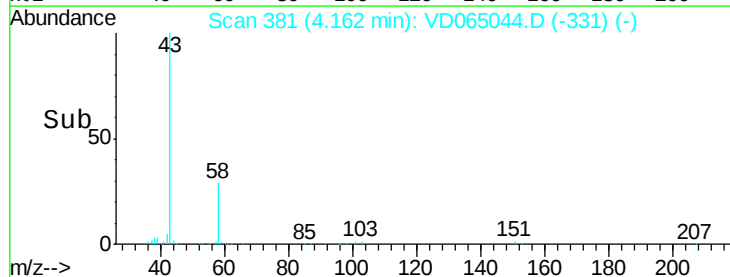
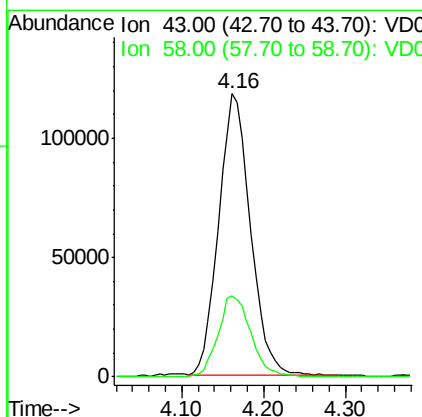
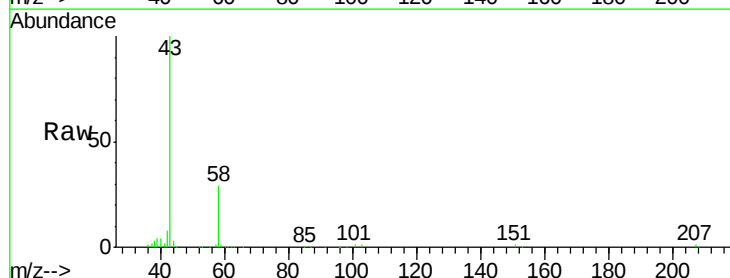
RT: 4.16 min Scan# 381

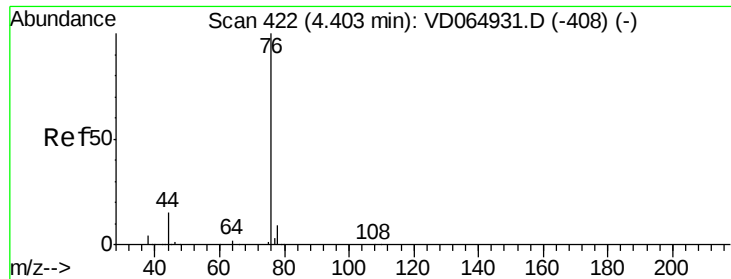
Delta R.T. -0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Tgt Ion:	43	Resp:	320212
Ion Ratio	Lower	Upper	
43	100		
58	28.8	23.8	35.8





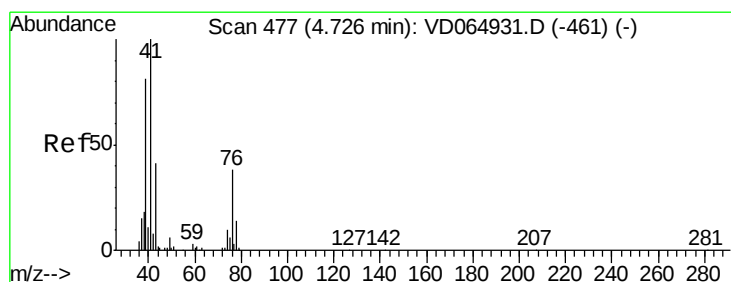
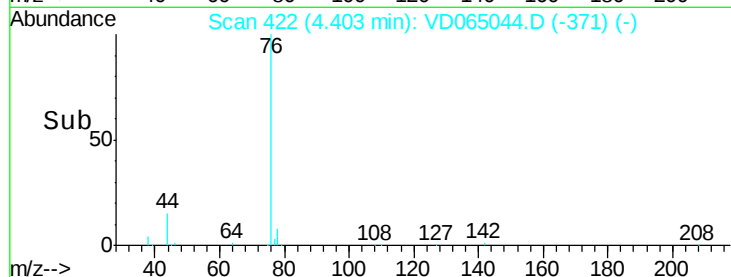
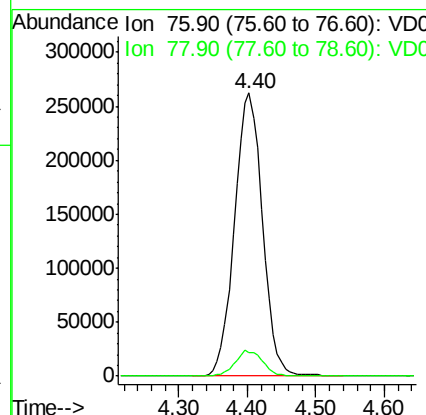
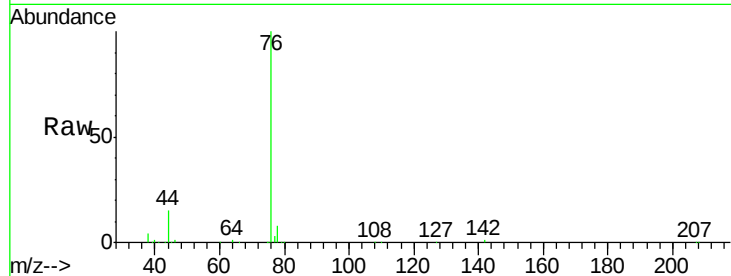
#17
Carbon Disulfide
Concen: 49.954 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 742769
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7

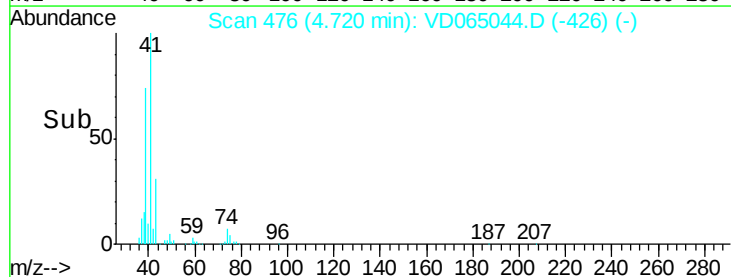
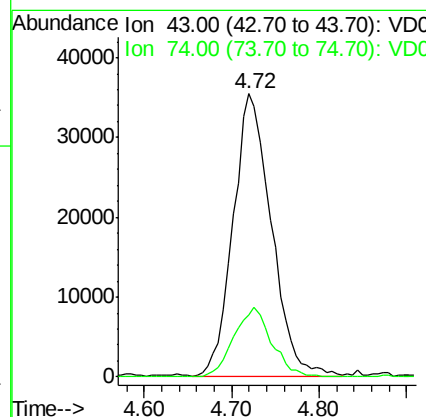
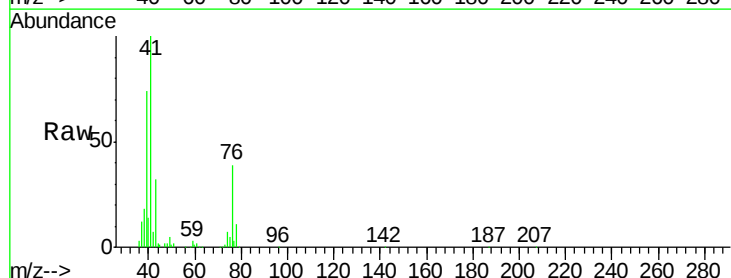
Manual Integrations
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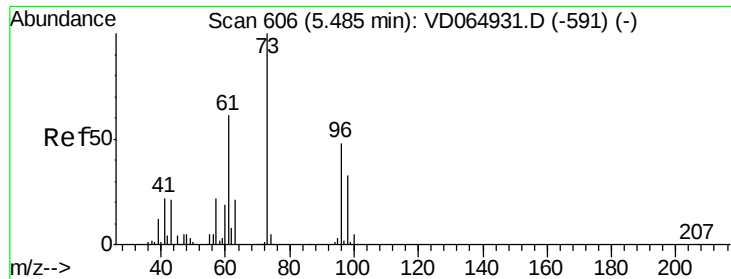
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#18
Methyl Acetate
Concen: 45.536 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion: 43 Resp: 106172
Ion Ratio Lower Upper
43 100
74 24.0 19.1 28.7





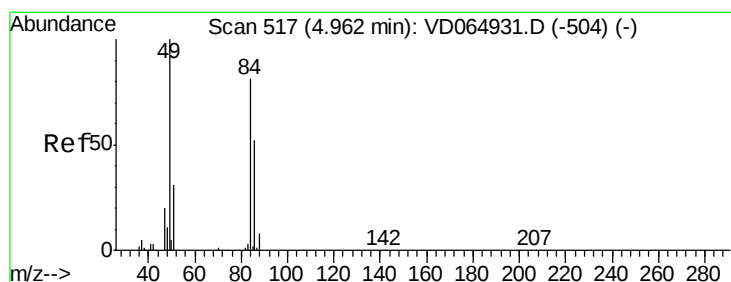
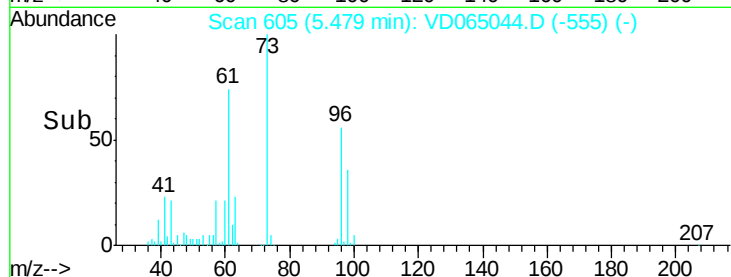
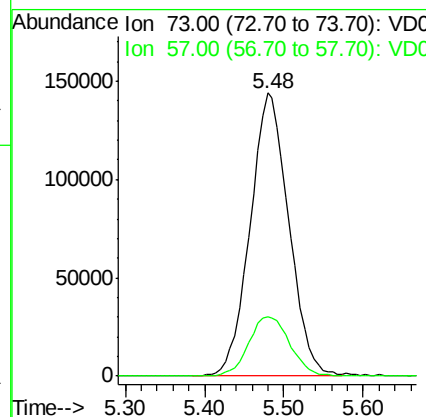
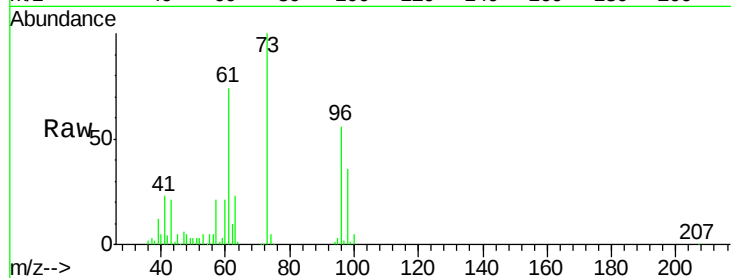
#19
Methvl tert-butvl Ether
Concen: 48.361 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 488190
Ion Ratio Lower Upper
73 100
57 20.9 17.9 26.9

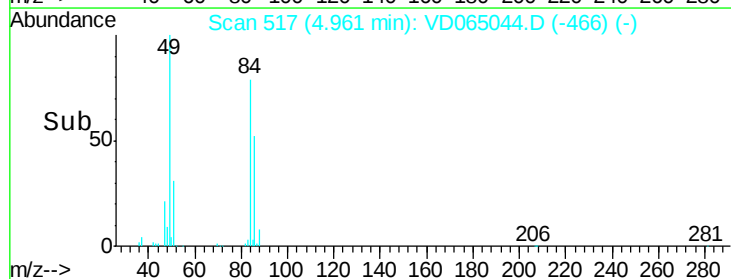
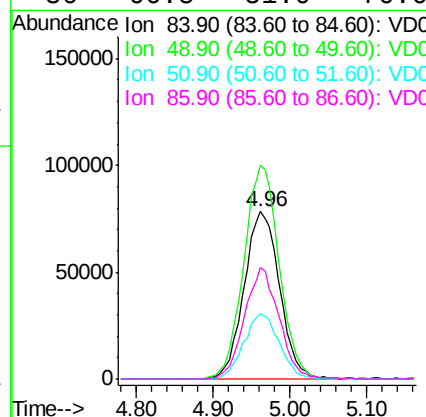
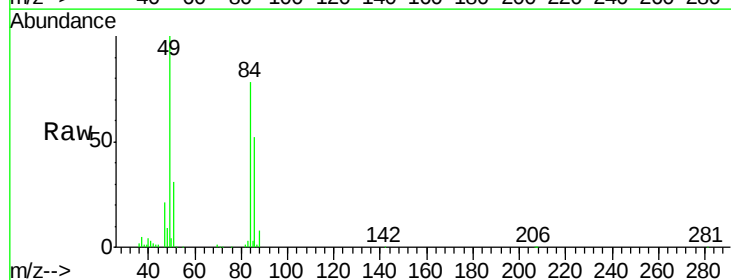
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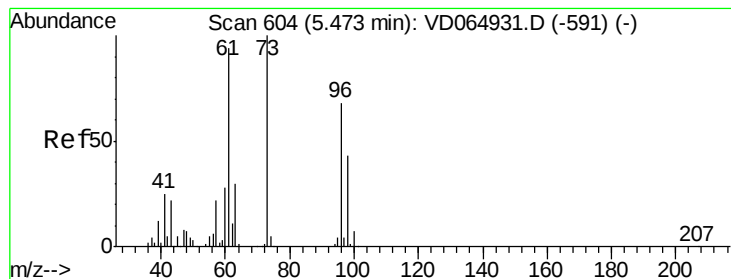
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#20
Methylene Chloride
Concen: 52.633 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion: 84 Resp: 253172
Ion Ratio Lower Upper
84 100
49 127.7 98.4 147.6
51 39.0 30.8 46.2
86 66.5 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 51.959 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

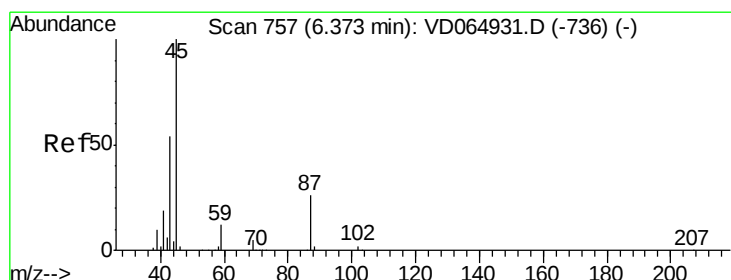
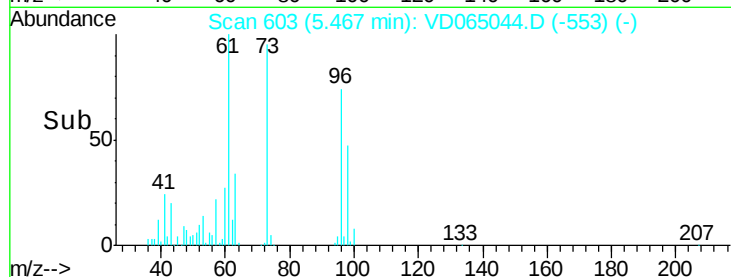
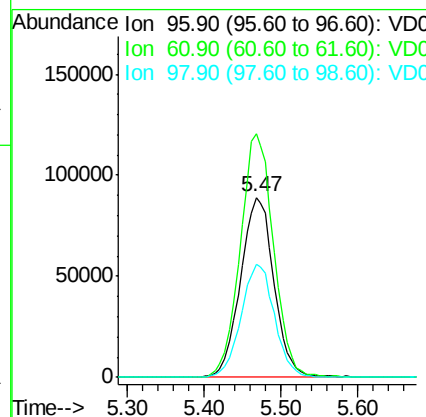
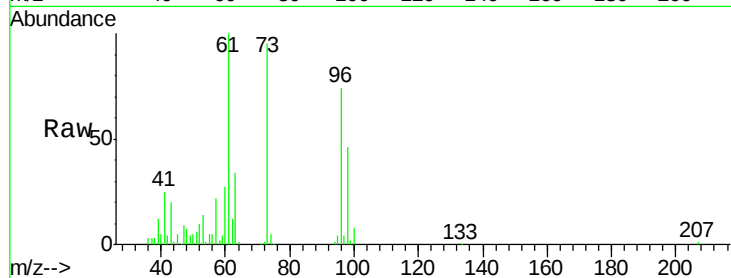
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	270457
Ion	Ratio	Lower	Upper
96	100		
61	135.4	110.4	165.6
98	62.9	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.342 ug/l

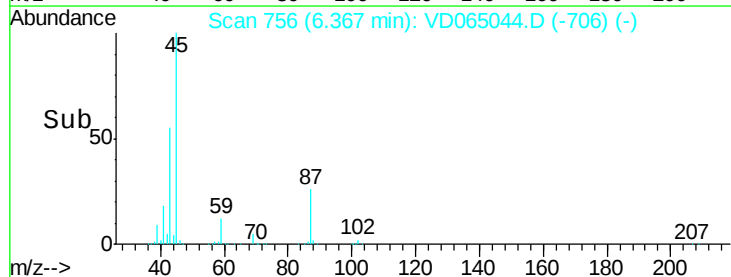
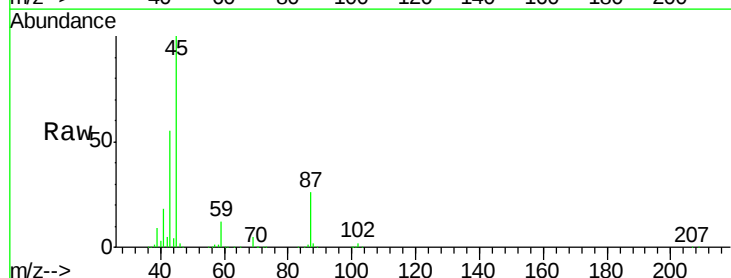
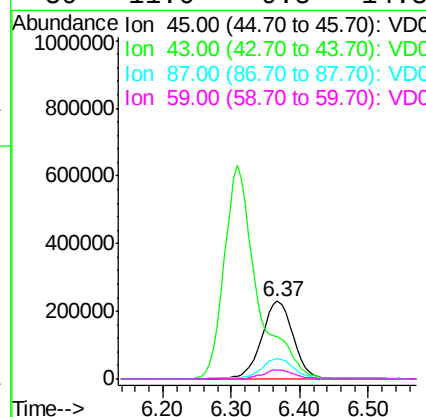
RT: 6.37 min Scan# 756

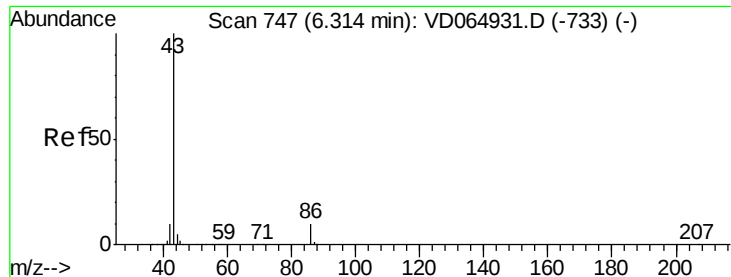
Delta R.T. -0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Tgt Ion:	45	Resp:	737286
Ion	Ratio	Lower	Upper
45	100		
43	54.3	43.1	64.7
87	26.1	21.4	32.2
59	11.6	9.5	14.3





#23

Vinyl Acetate

Concen: 248.520 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2089480

Ion Ratio Lower Upper

43 100

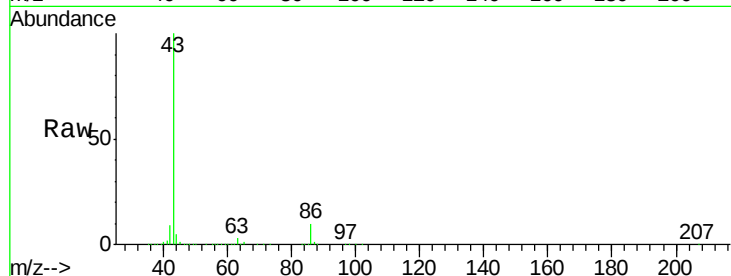
86 10.1 8.3 12.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

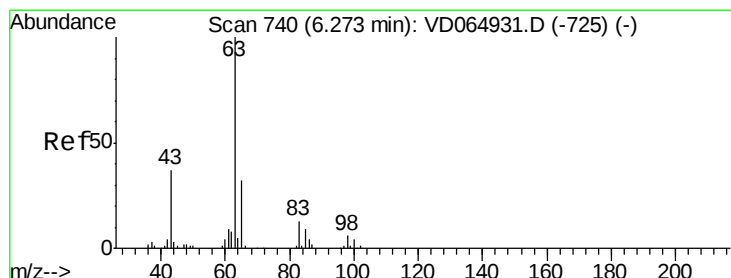
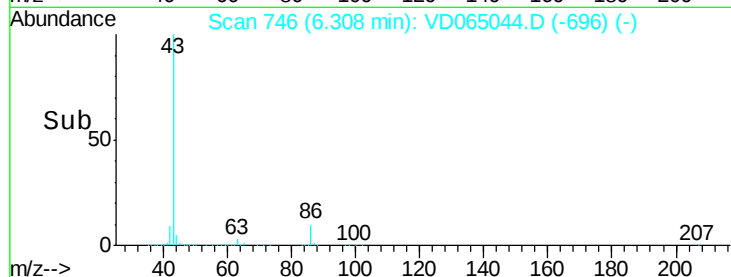
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.432 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

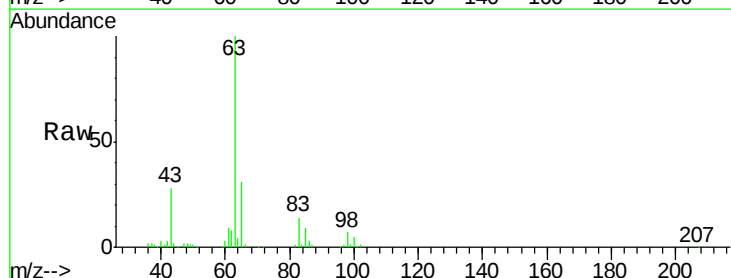
Tgt Ion: 63 Resp: 462290

Ion Ratio Lower Upper

63 100

98 6.8 3.1 9.3

100 4.8 2.3 6.8



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

6.27

200000

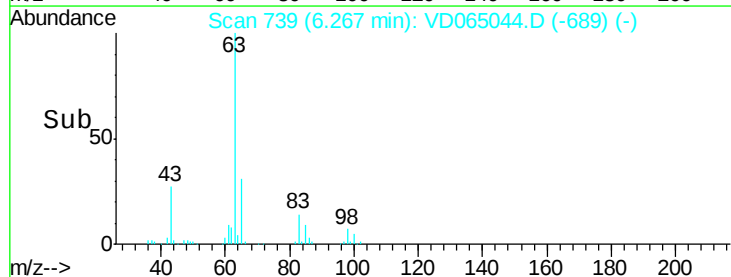
150000

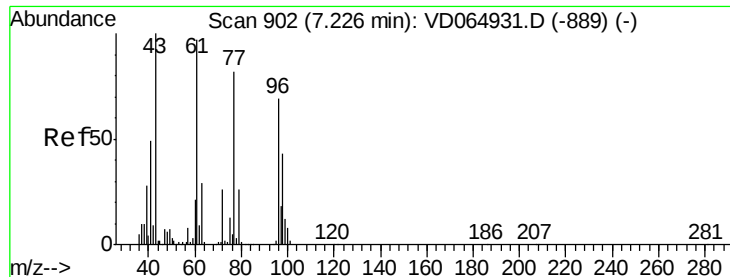
100000

50000

0

Time-->





#25

2-Butanone

Concen: 253.278 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 340659

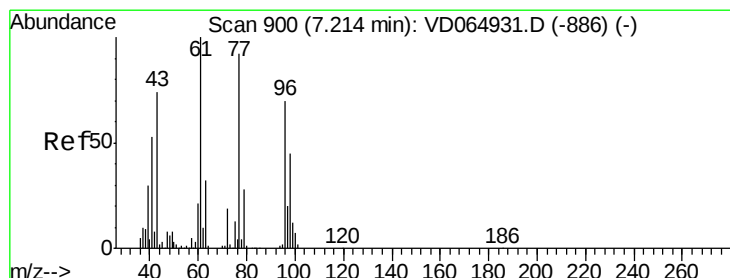
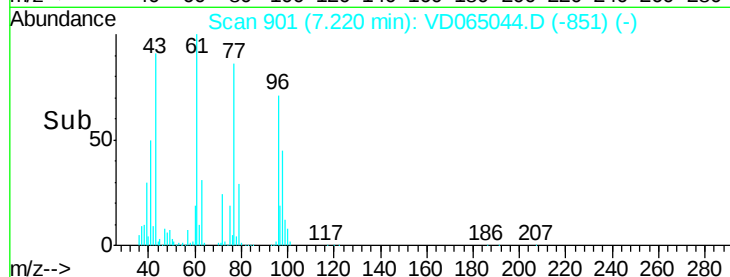
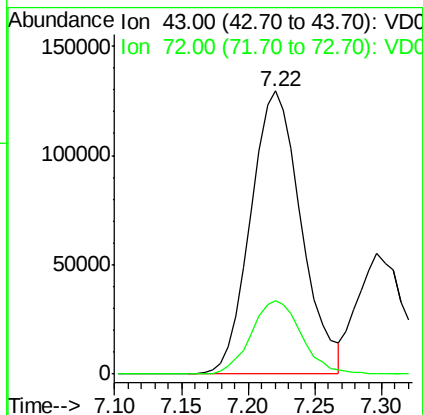
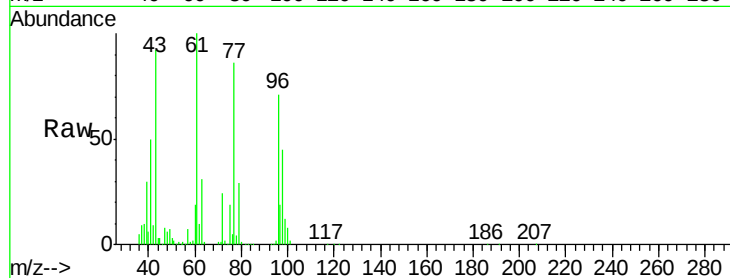
Ion Ratio Lower Upper

43 100

72 25.9 20.6 31.0

Manual Integrations
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MMDadoda
2/4/2020 11:21:08 AM



#26

2,2-Dichloropropane

Concen: 53.087 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065044.D

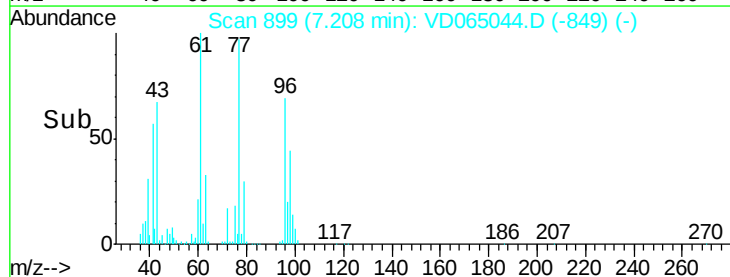
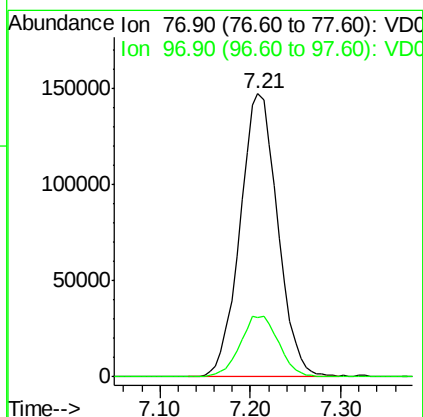
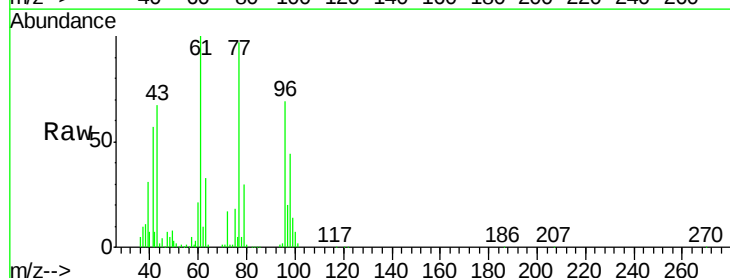
Acq: 03 Feb 2020 10:08

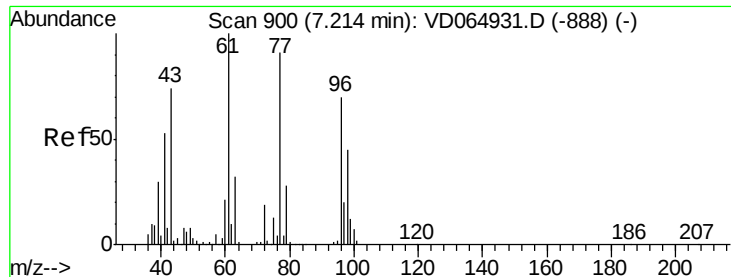
Tgt Ion: 77 Resp: 424561

Ion Ratio Lower Upper

77 100

97 22.1 11.4 34.2





#27

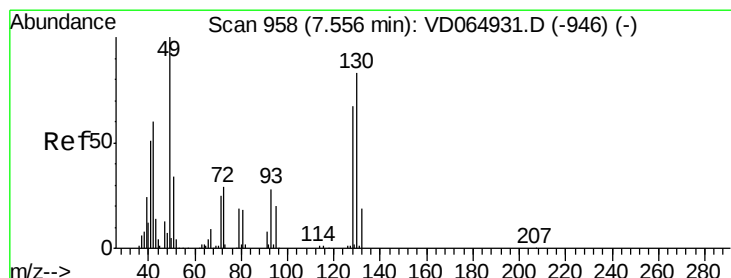
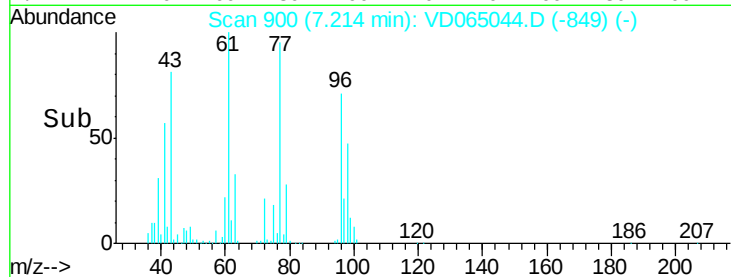
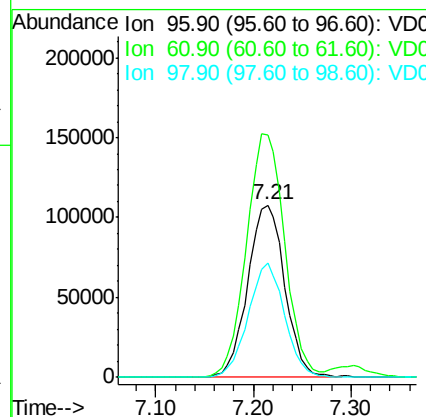
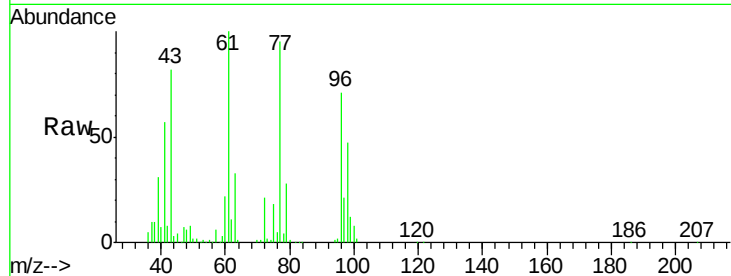
cis-1,2-Dichloroethene
Concen: 51.315 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	285091		
61	145.6	0.0	292.8	
98	65.2	0.0	130.0	

Manual Integrations
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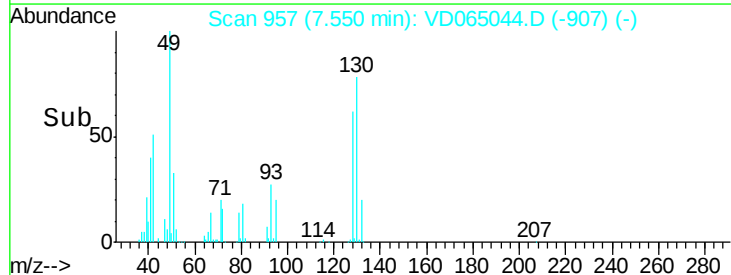
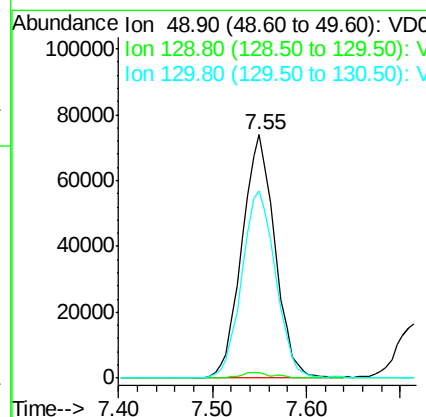
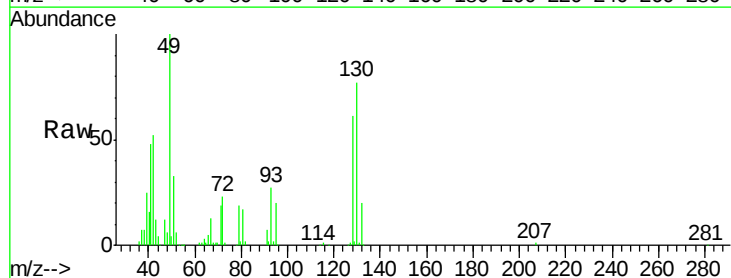
MMDadoda
2/4/2020 11:21:08 AM

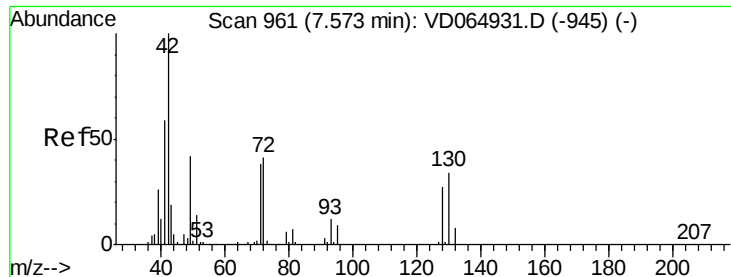


#28

Bromochloromethane
Concen: 51.035 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	179956		
129	2.2	0.0	4.4	
130	78.8	63.8	95.8	





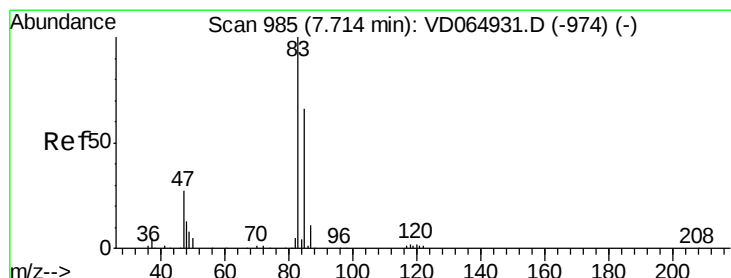
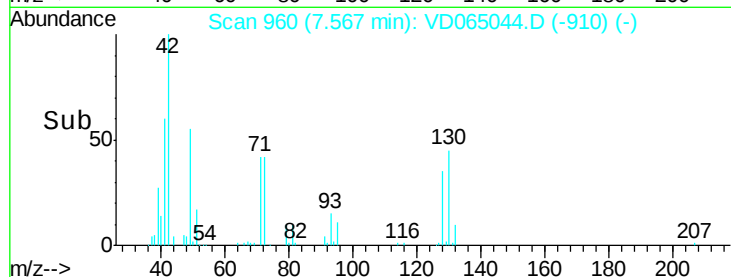
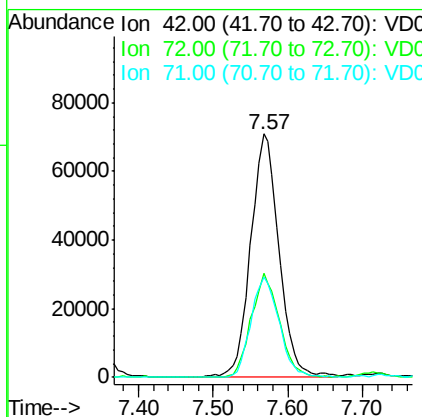
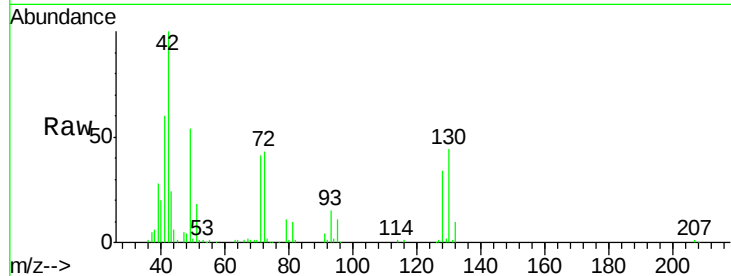
#29
Tetrahydrofuran
Concen: 226.117 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.0	51.0
71	40.9	31.5	47.3

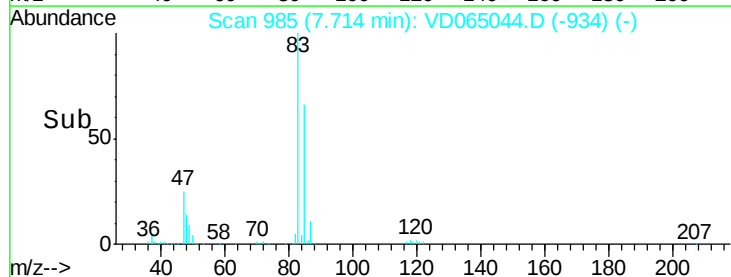
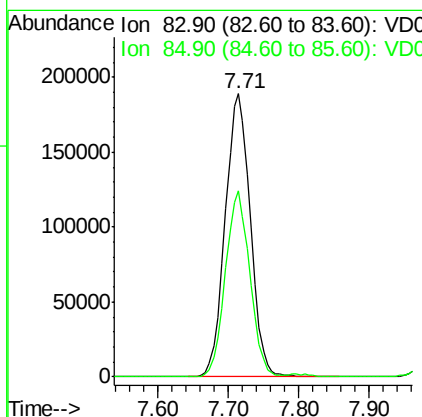
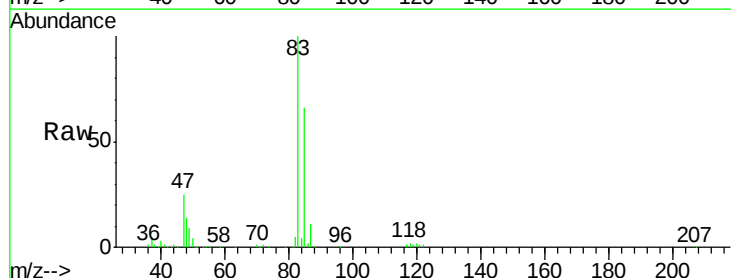
Manual Integrations
APPROVED

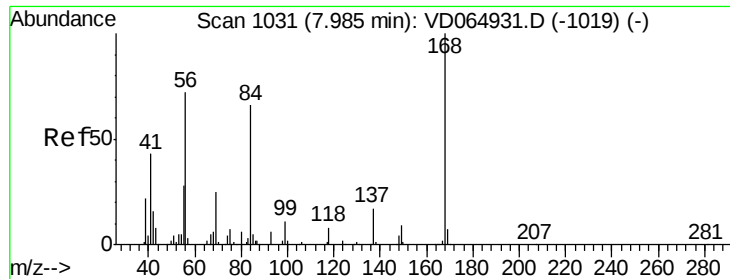
MMDadoda
2/4/2020 11:21:08 AM



#30
Chloroform
Concen: 51.153 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.4	78.6





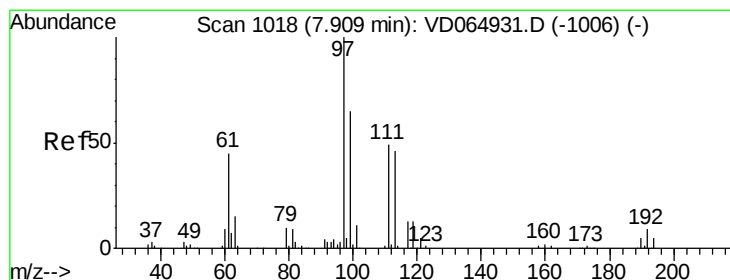
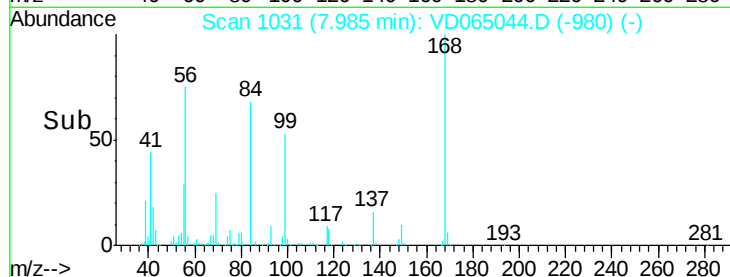
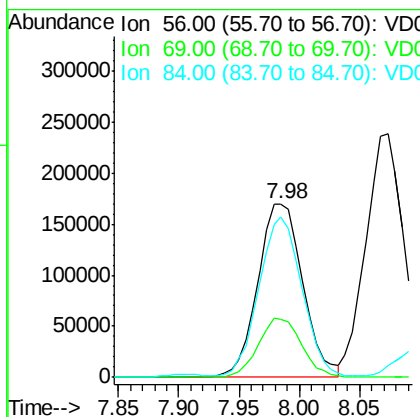
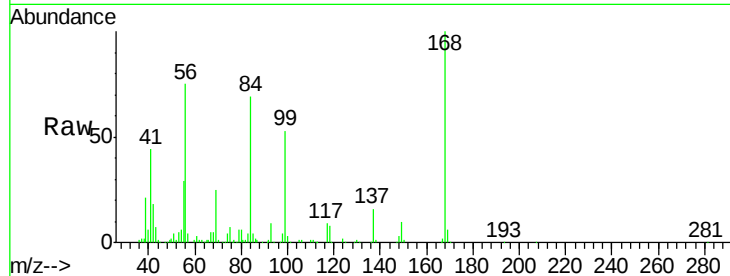
#31
Cyclohexane
Concen: 50.492 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.7	27.9	41.9
84	90.7	72.8	109.2

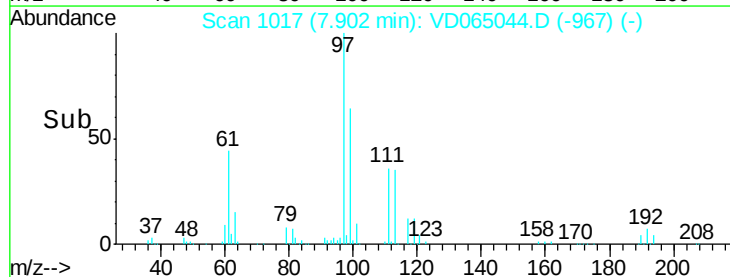
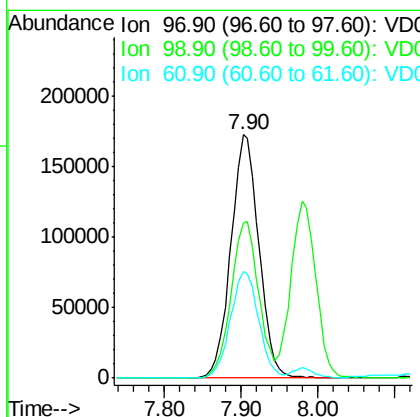
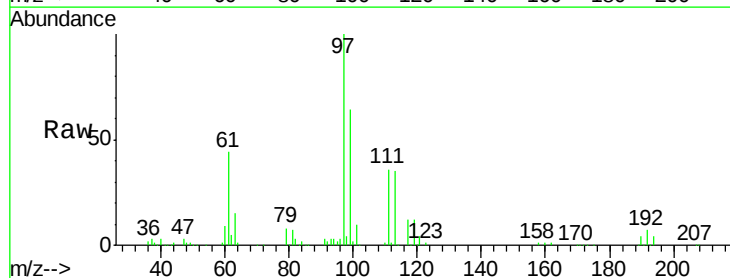
Manual Integrations
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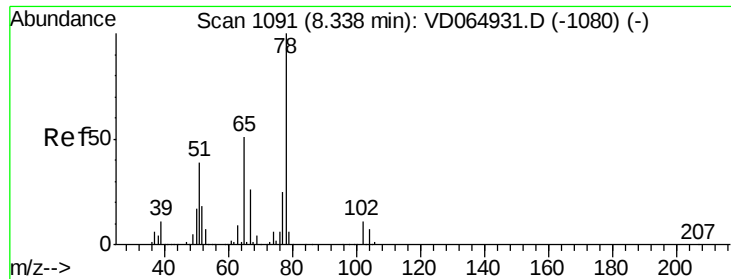
MMDadoda
2/4/2020 11:21:08 AM



#32
1,1,1-Trichloroethane
Concen: 51.662 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.6	76.0
61	44.3	35.7	53.5





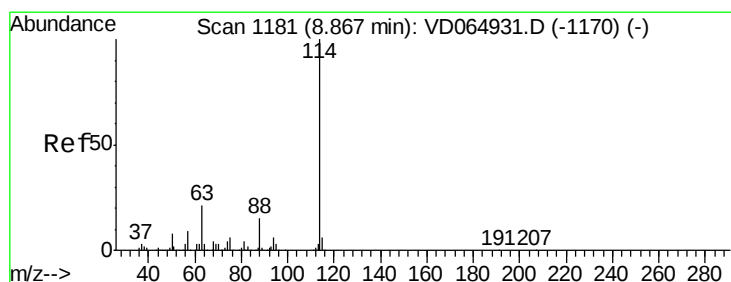
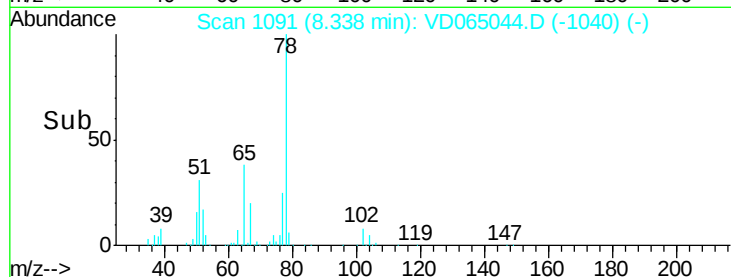
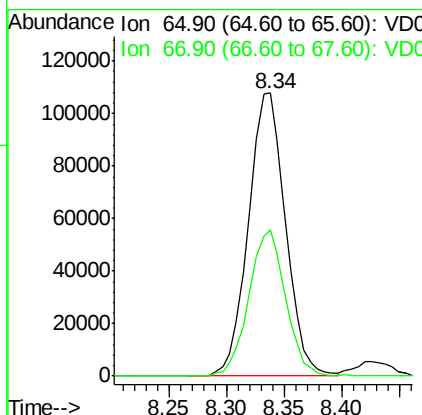
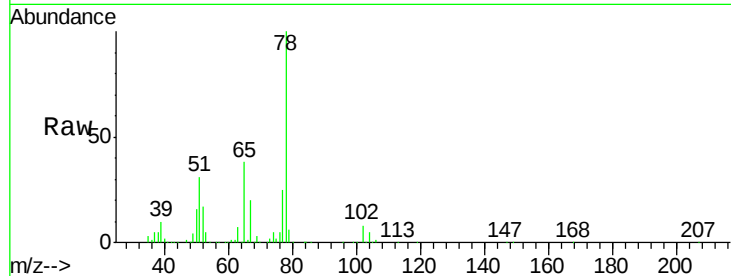
#33
 1,2-Dichloroethane-d4
 Concen: 48.646 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	242184		
67	51.1	0.0	103.6	

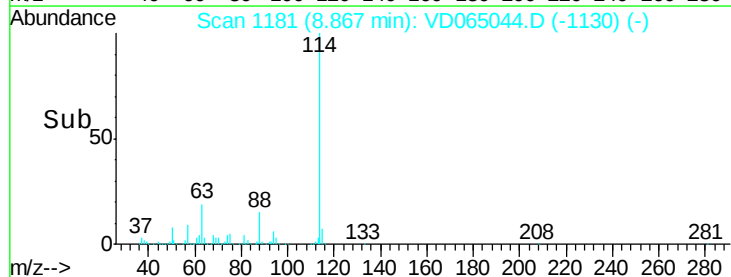
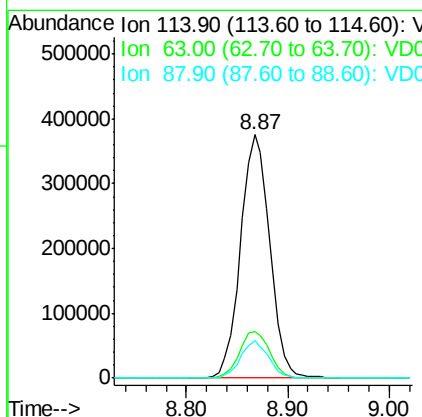
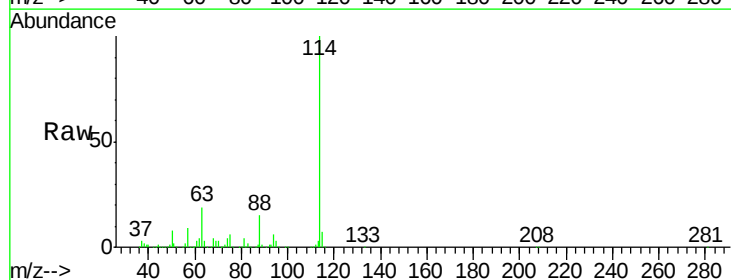
Manual Integrations
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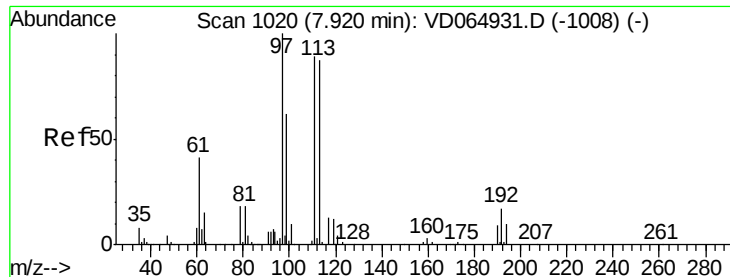
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	749402		
63	19.3	0.0	42.0	
88	15.2	0.0	29.4	





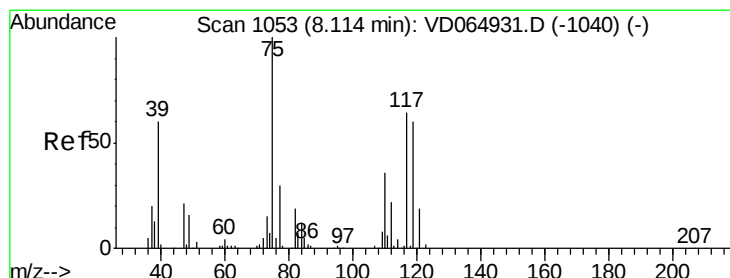
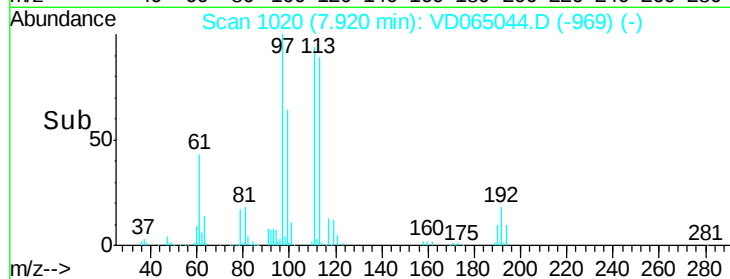
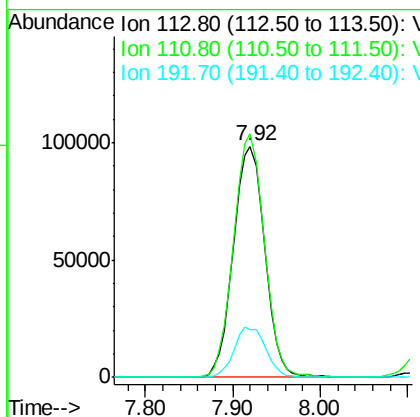
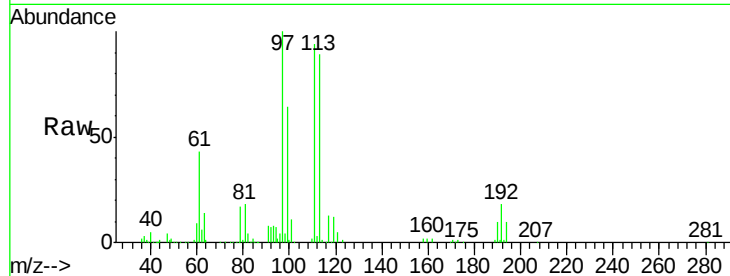
#35
 Dibromofluoromethane
 Concen: 50.979 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.4	123.6
192	21.8	16.9	25.3

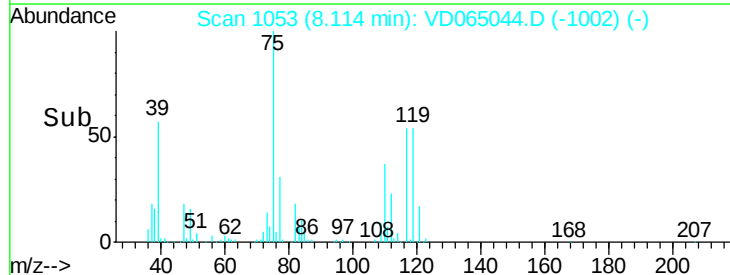
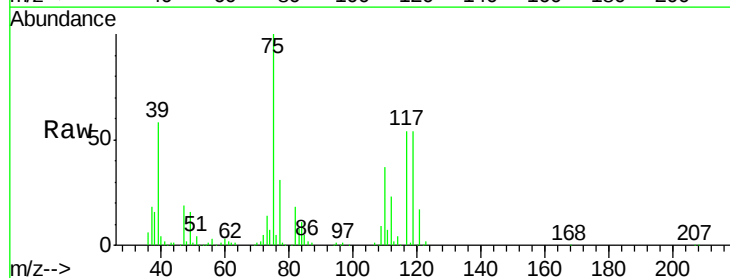
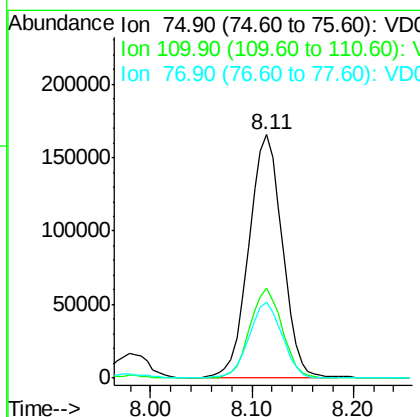
Manual Integrations
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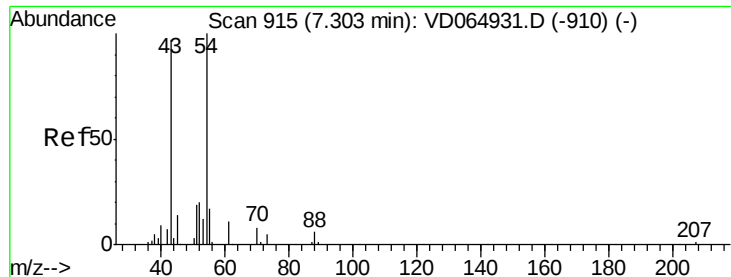
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#36
 1,1-Dichloropropene
 Concen: 52.803 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.3	52.0
77	30.9	24.7	37.1





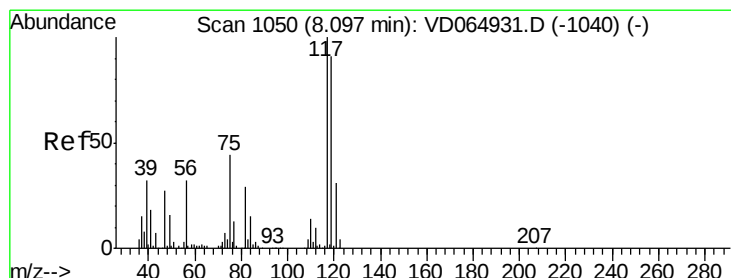
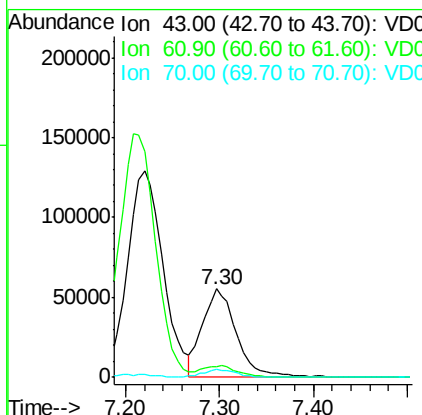
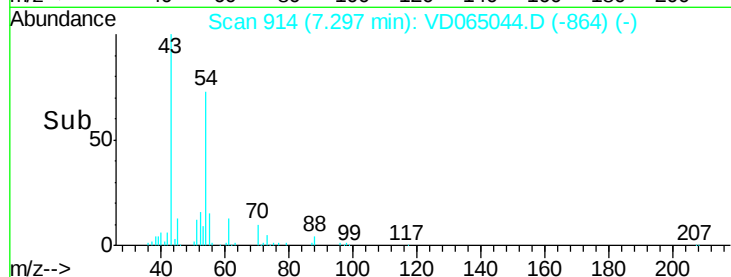
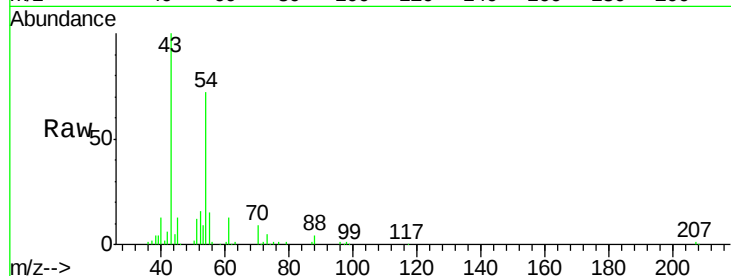
#37
Ethyl Acetate
Concen: 45.986 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.4
70	9.0	7.5	11.3

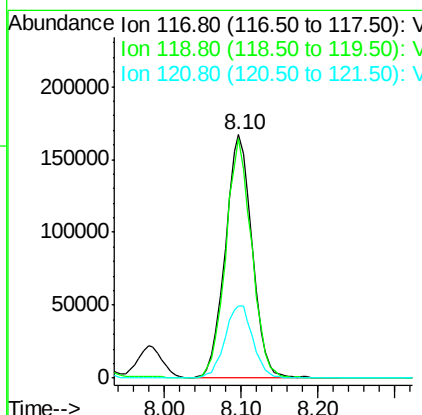
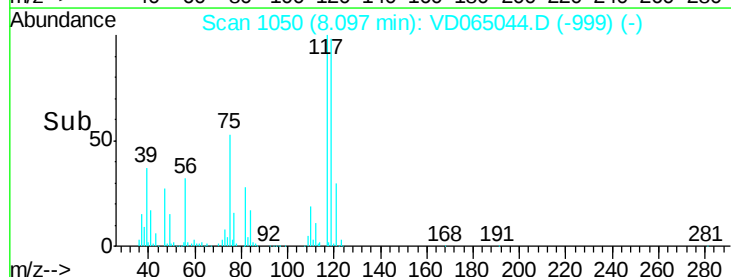
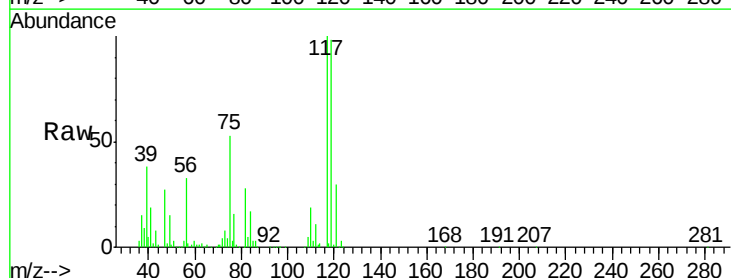
Manual Integrations
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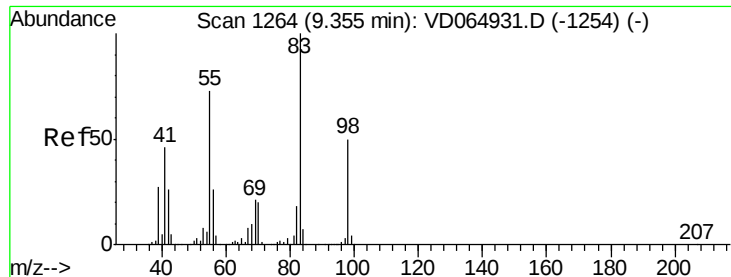
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#38
Carbon Tetrachloride
Concen: 53.032 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	73.2	109.8
121	29.7	24.4	36.6





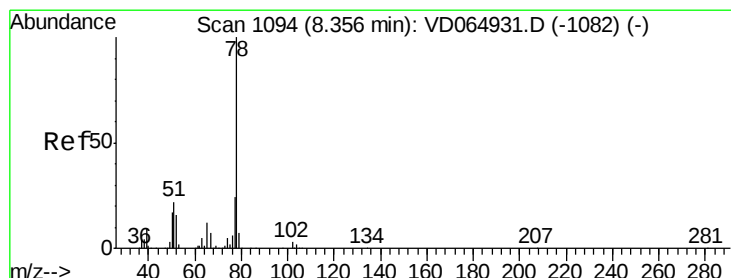
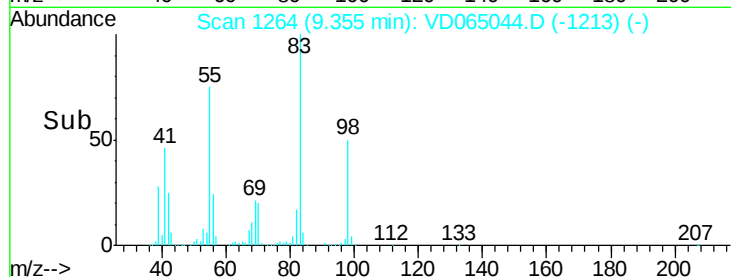
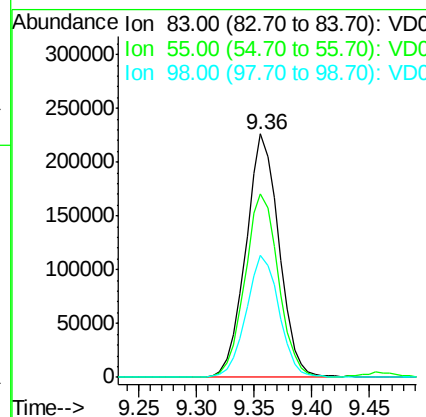
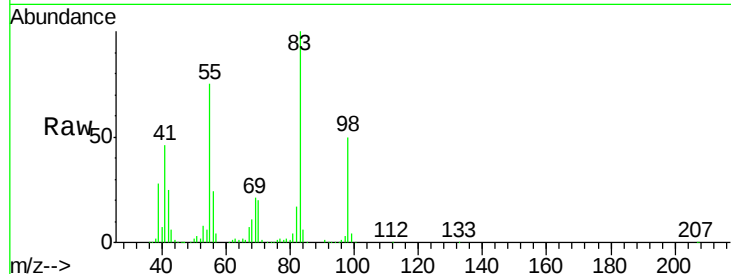
#39
Methvlcvclohexane
Concen: 53.552 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	58.7	88.1
98	49.9	40.2	60.2

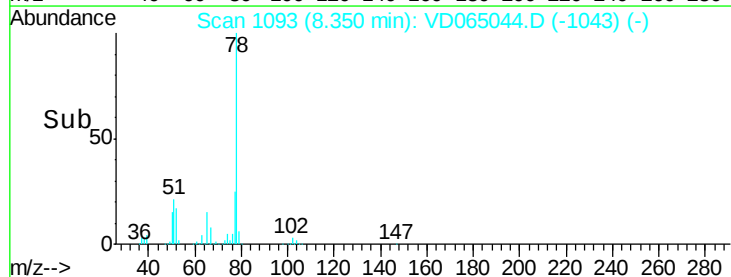
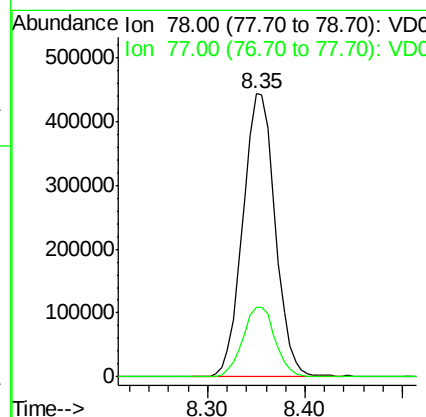
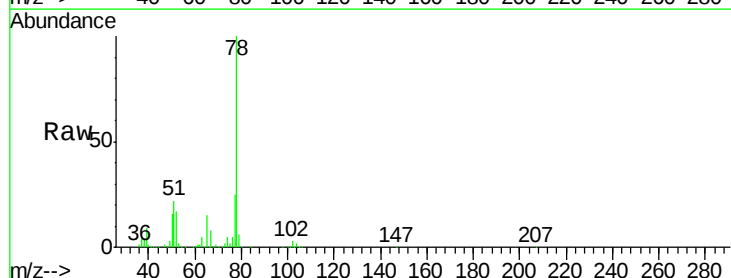
Manual Integrations
APPROVED

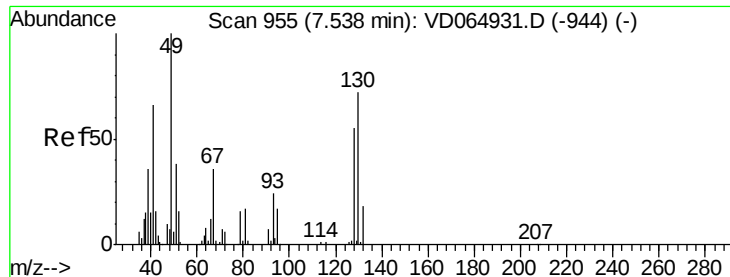
MMDadoda
2/4/2020 11:21:08 AM



#40
Benzene
Concen: 51.765 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.2	28.8





#41

Methacrylonitrile

Concen: 50.731 ug/l m

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 81574

Ion Ratio Lower Upper

41 100

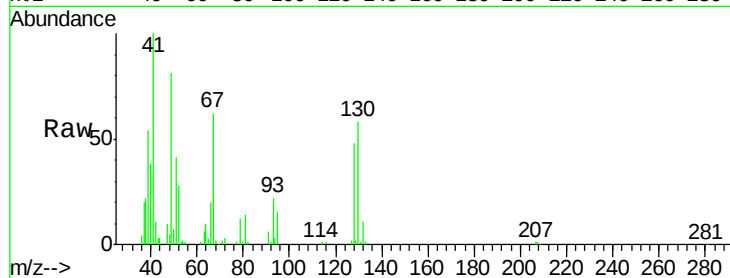
39 0.0 49.3 73.9#

67 0.0 51.0 76.6#

52 0.0 22.3 33.5#

Manual Integrations
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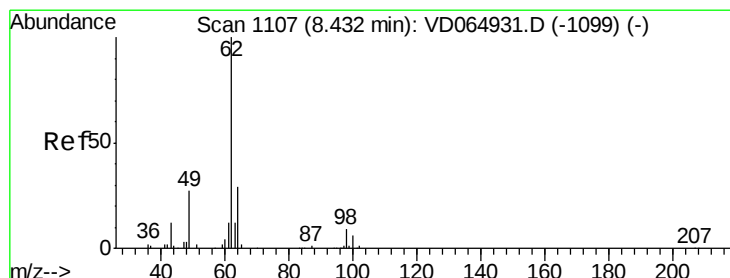
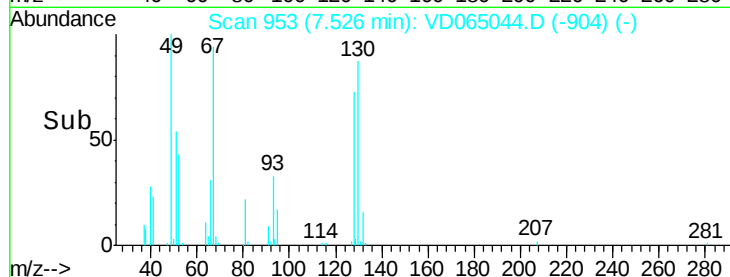
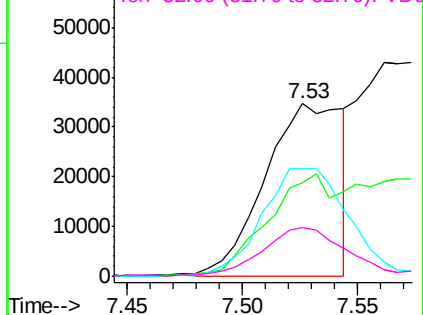


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 48.865 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD065044.D

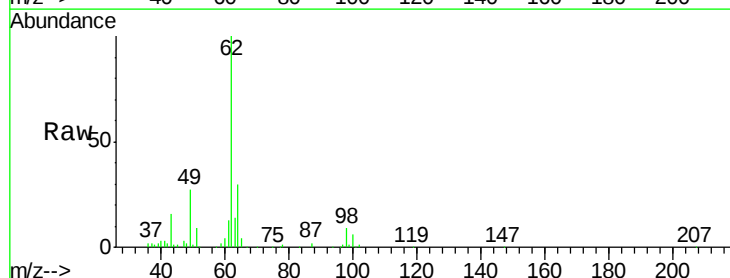
Acq: 03 Feb 2020 10:08

Tgt Ion: 62 Resp: 289700

Ion Ratio Lower Upper

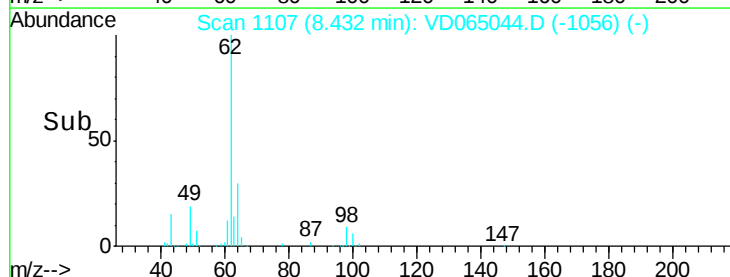
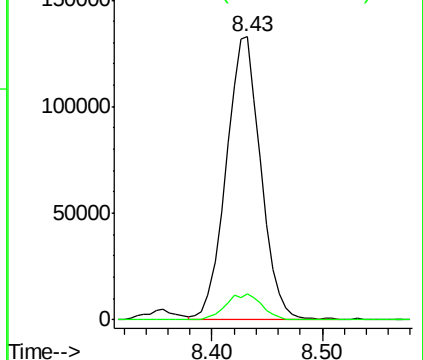
62 100

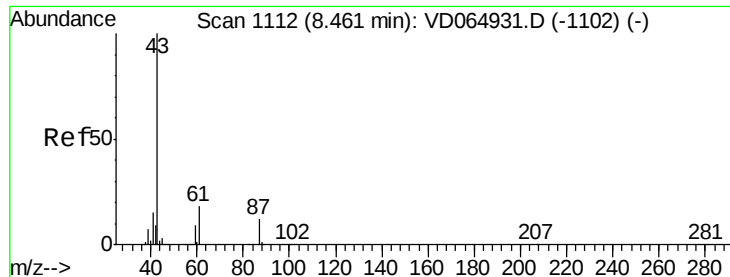
98 9.7 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 46.264 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

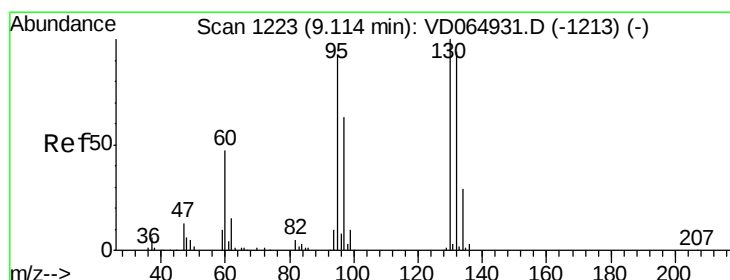
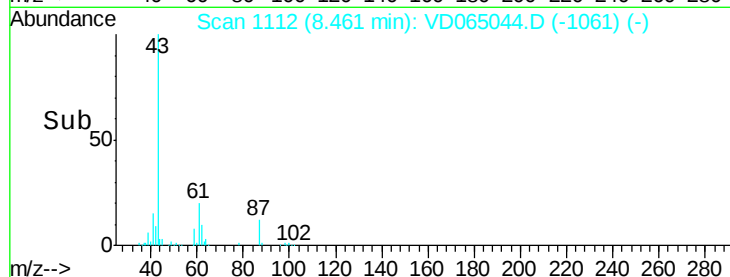
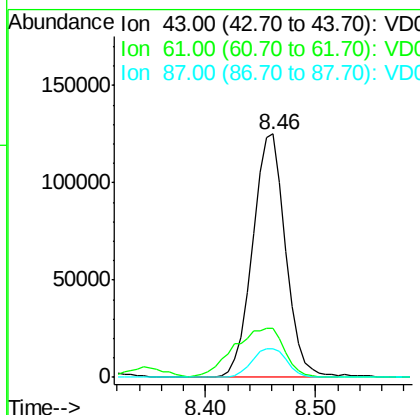
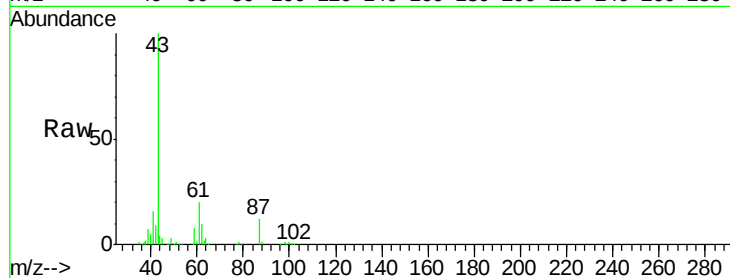
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	262313
Ion	Ratio	Lower	Upper
43	100		
61	31.3	23.8	35.6
87	12.6	10.3	15.5

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#44

Trichloroethene

Concen: 51.914 ug/l

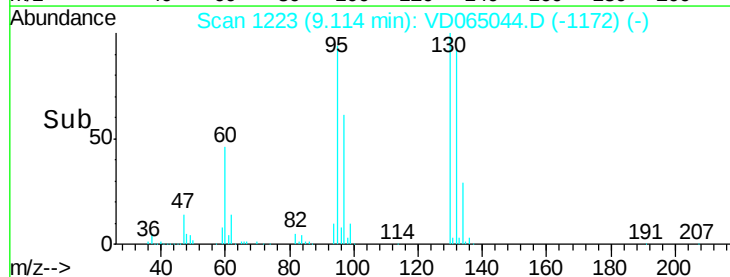
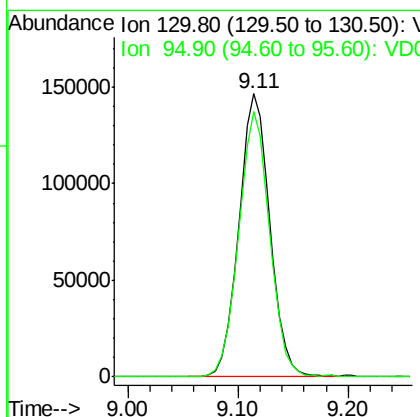
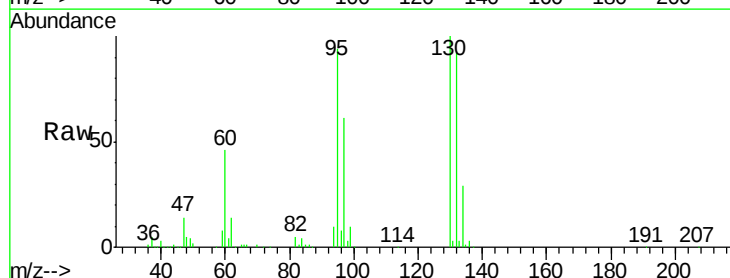
RT: 9.11 min Scan# 1223

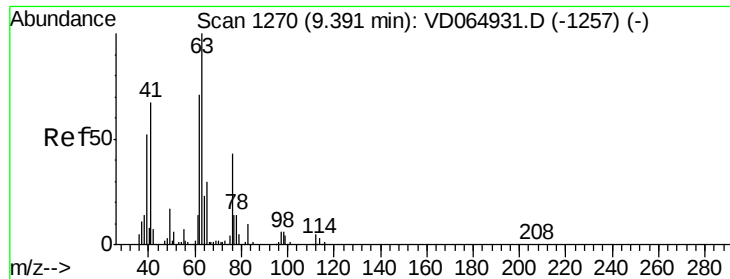
Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Tgt Ion:	130	Resp:	289166
Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	185.8





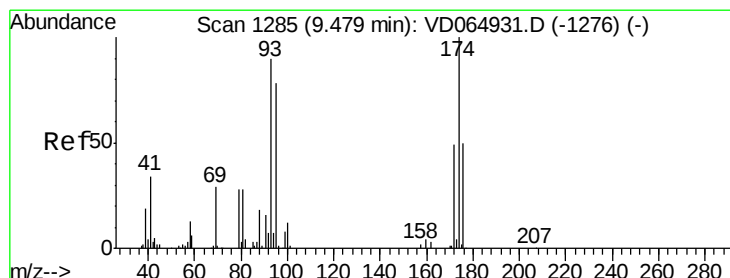
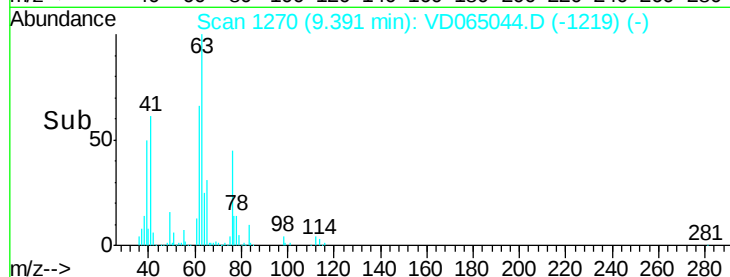
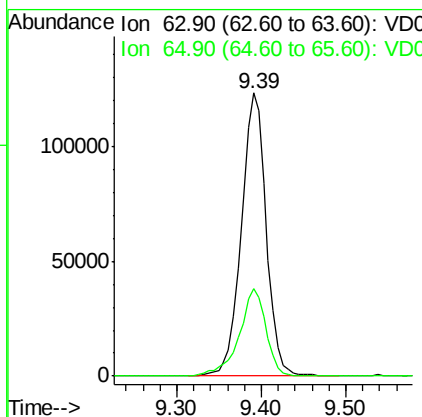
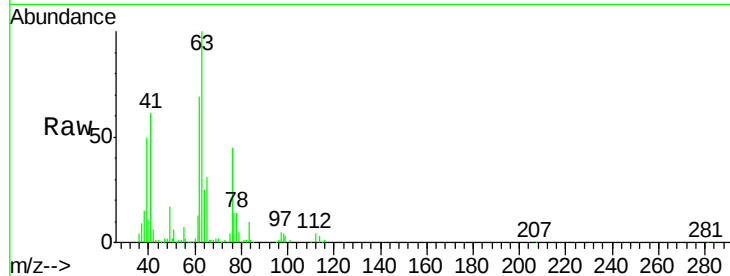
#45
 1,2-Dichloropropane
 Concen: 51.887 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.3	36.5

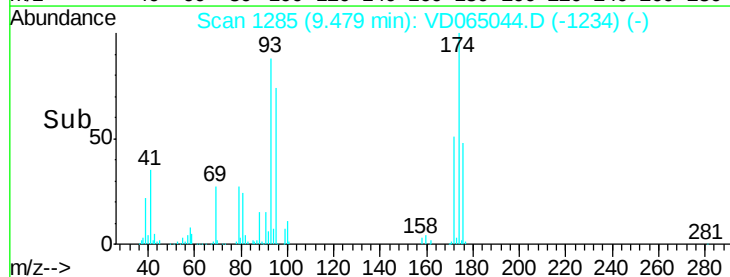
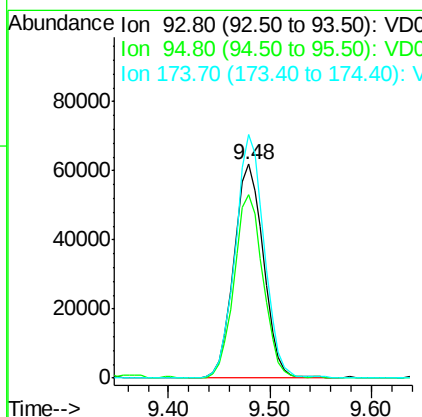
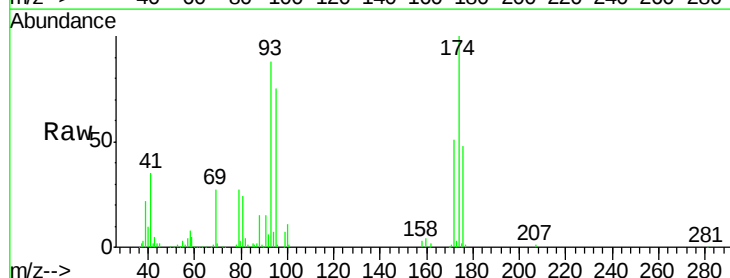
Manual Integrations
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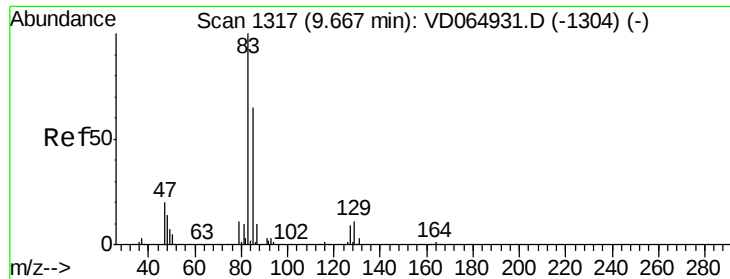
MMDadoda
 2/4/2020 11:21:08 AM



#46
 Dibromomethane
 Concen: 47.795 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	67.5	101.3
174	111.1	88.4	132.6





#47

Bromodichloromethane

Concen: 51.004 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

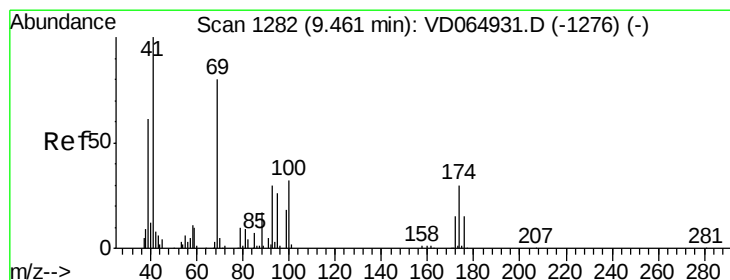
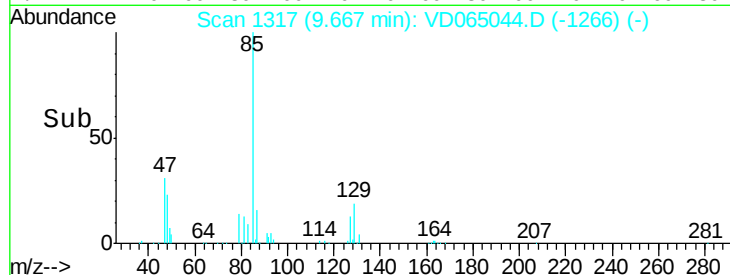
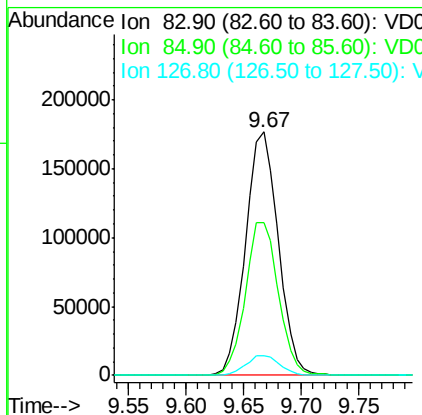
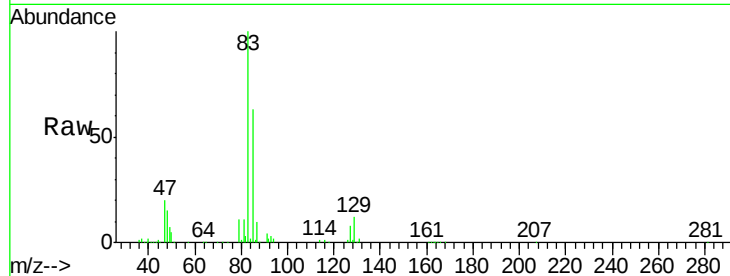
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	349593
Ion Ratio	Lower	Upper	
83	100		
85	62.8	52.0	78.0
127	8.3	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.743 ug/l

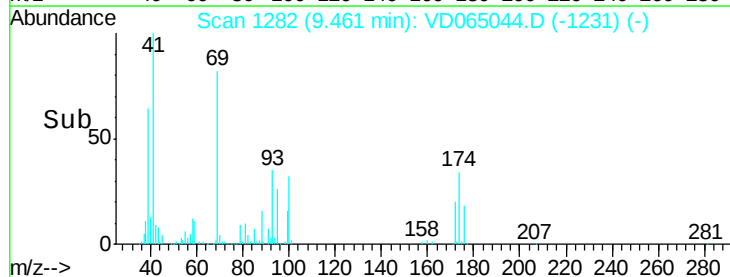
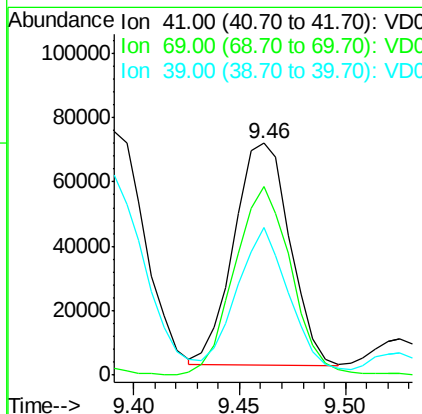
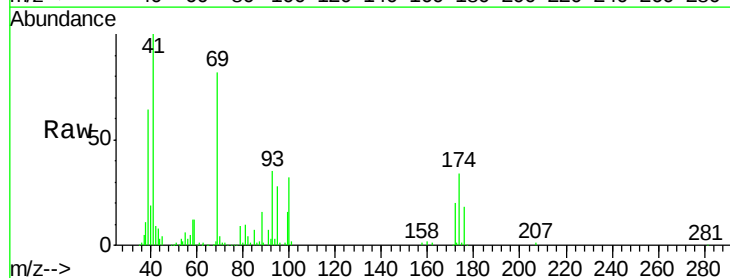
RT: 9.46 min Scan# 1282

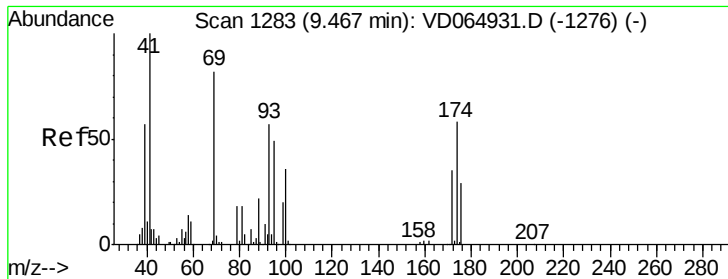
Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Tgt Ion:	41	Resp:	127180
Ion Ratio	Lower	Upper	
41	100		
69	85.5	65.8	98.8
39	57.7	49.4	74.0





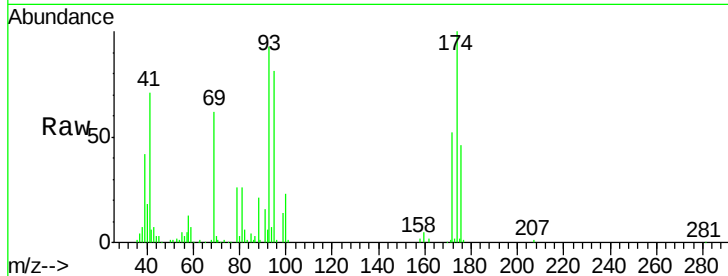
#49
1,4-Dioxane
Concen: 928.209 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	26.2	39.4
58	65.4	50.3	75.5

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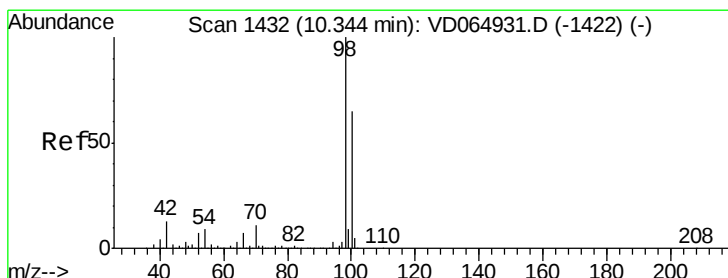
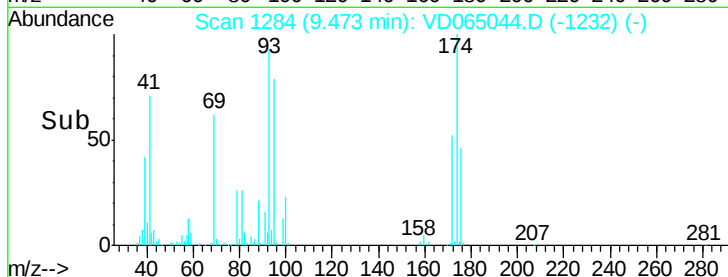
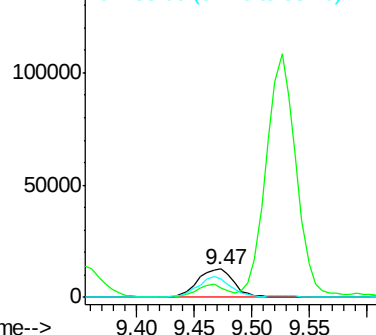


Abundance

Ion 88.00 (87.70 to 88.70): VDC

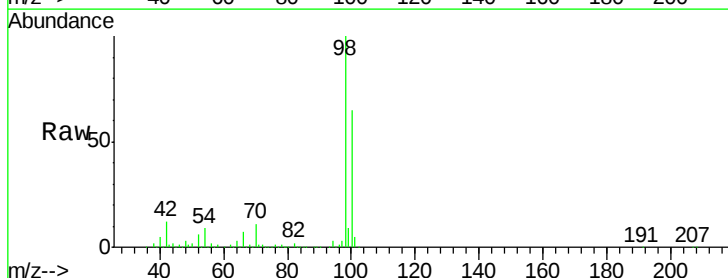
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 51.349 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

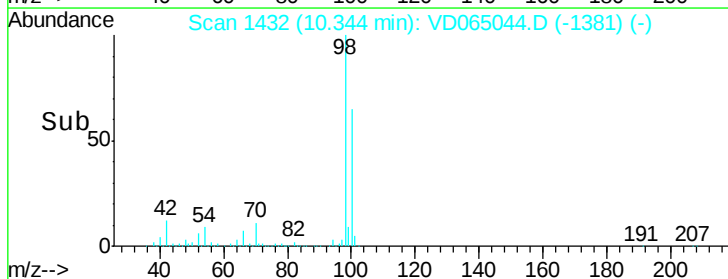
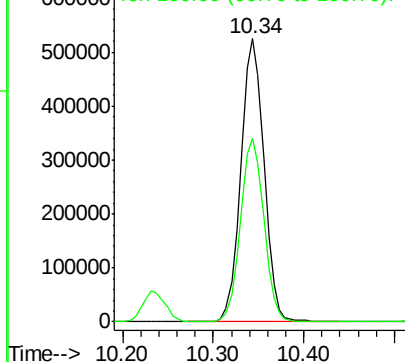
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.3	78.5

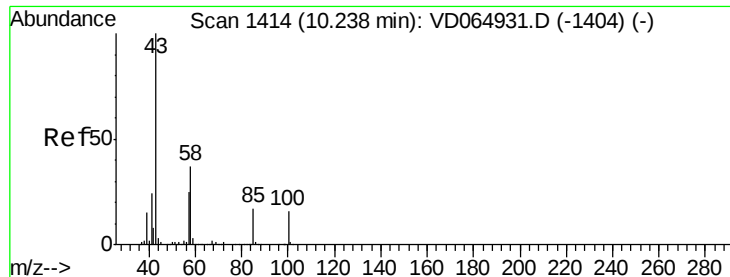


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 235.147 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 667116

Ion Ratio Lower Upper

43 100

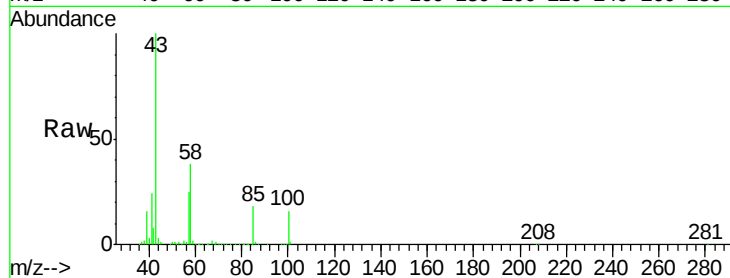
58 37.9 30.4 45.6

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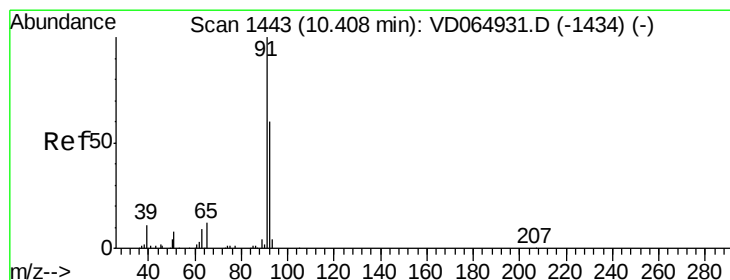
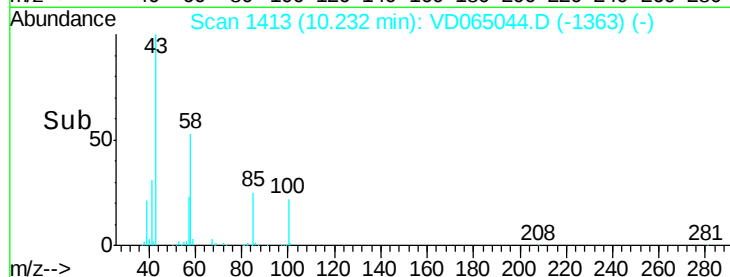
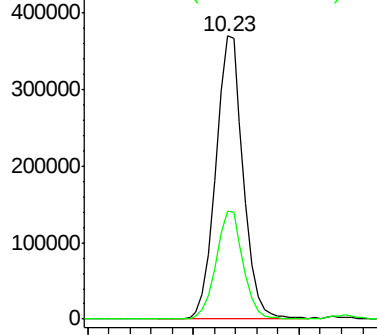
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 51.899 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065044.D

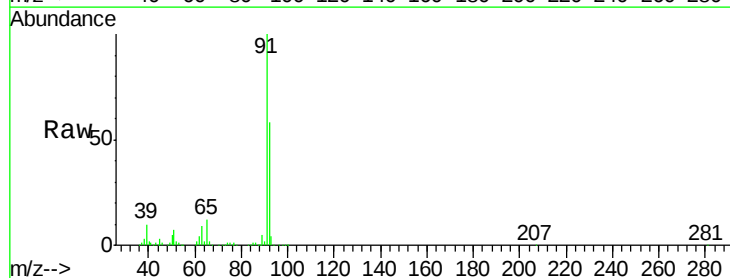
Acq: 03 Feb 2020 10:08

Tgt Ion: 92 Resp: 665951

Ion Ratio Lower Upper

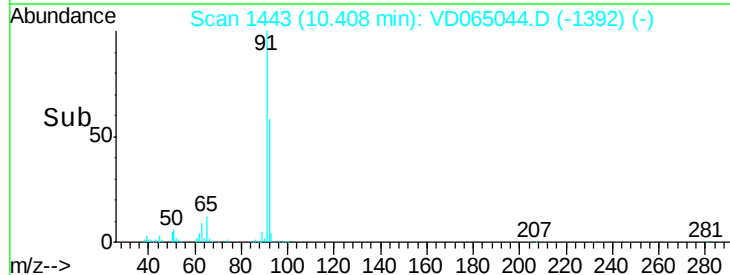
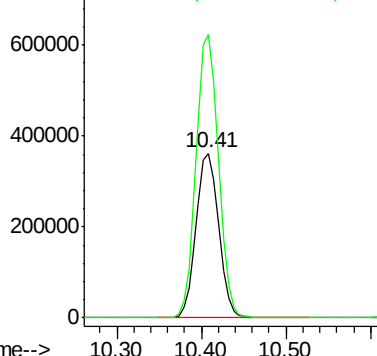
92 100

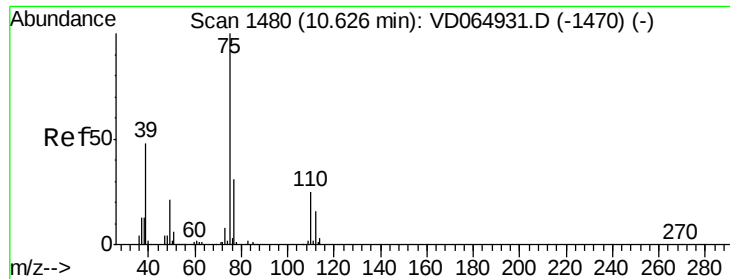
91 171.2 136.8 205.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





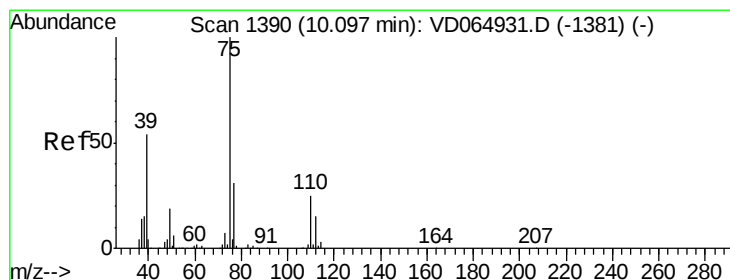
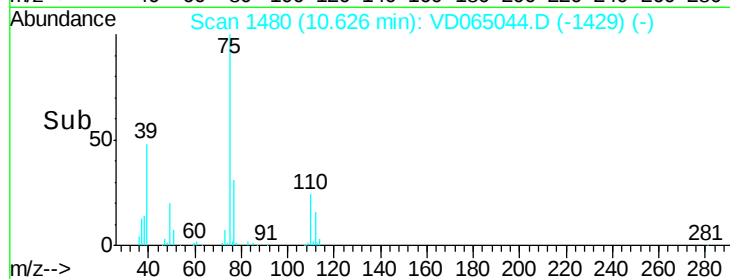
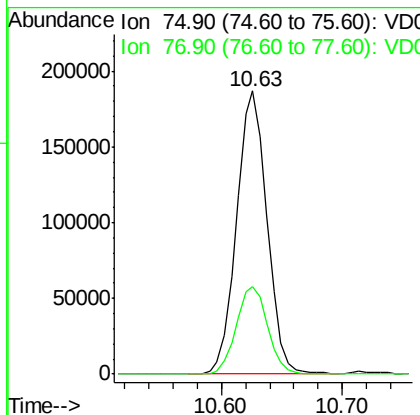
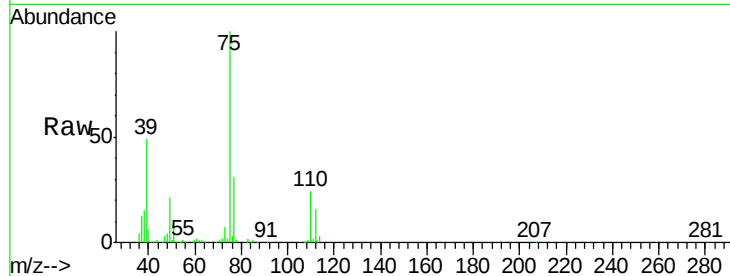
#53
t-1,3-Dichloropropene
Concen: 50.246 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	75	Resp	328062
Ion Ratio	100	Lower	Upper
75	100		
77	30.9	25.0	37.6

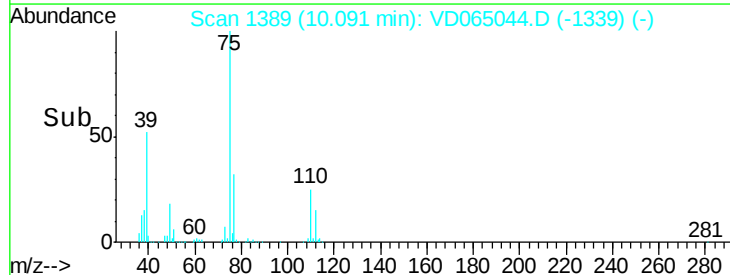
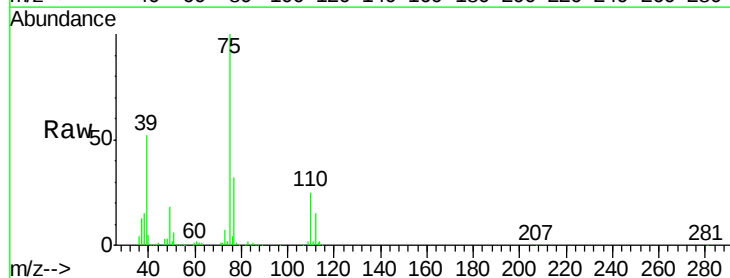
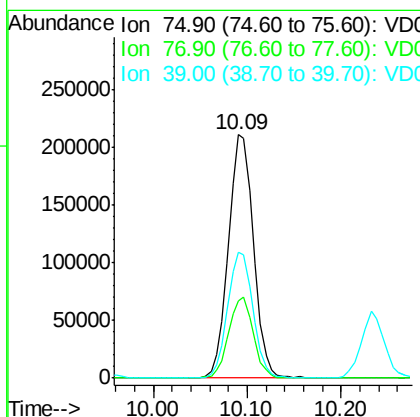
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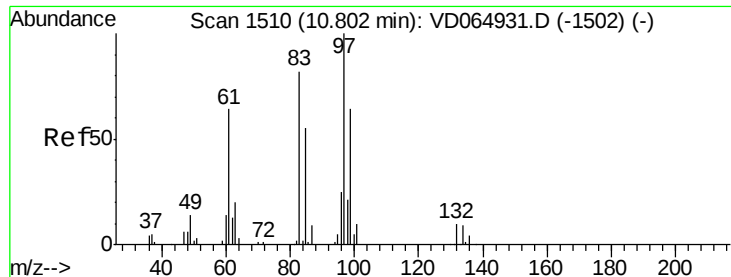
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#54
cis-1,3-Dichloropropene
Concen: 51.201 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion	75	Resp	391400
Ion Ratio	100	Lower	Upper
75	100		
77	31.9	25.1	37.7
39	51.5	43.0	64.6





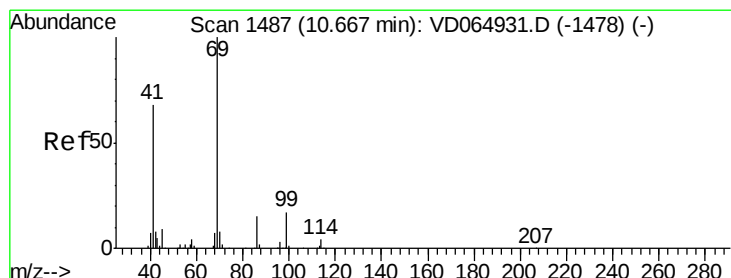
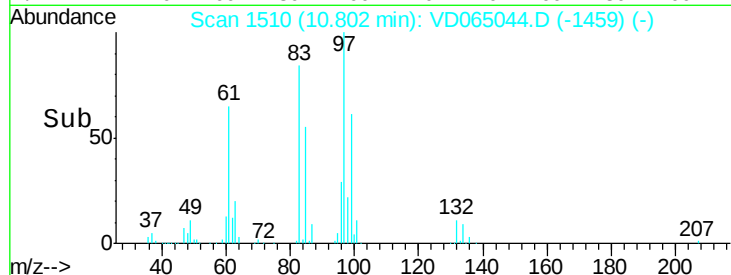
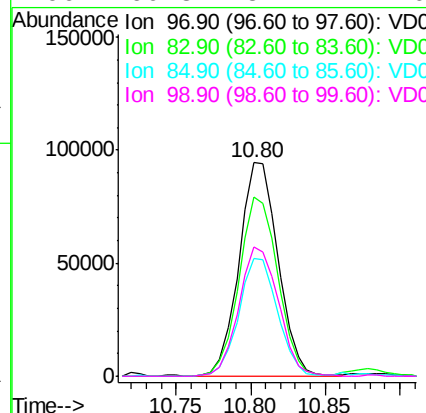
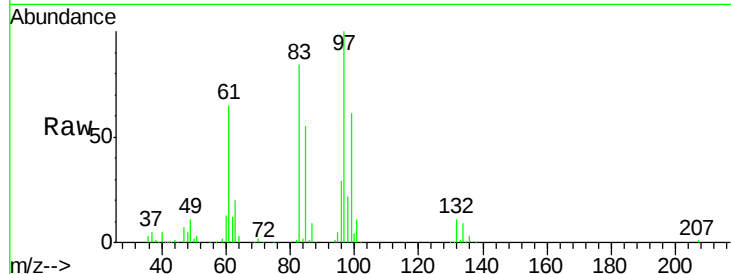
#55
 1,1,2-Trichloroethane
 Concen: 48.474 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	171996		
83	83.5	66.0	99.0	
85	55.2	44.4	66.6	
99	60.8	51.4	77.0	

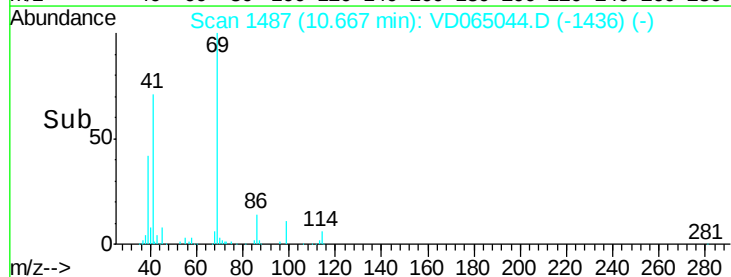
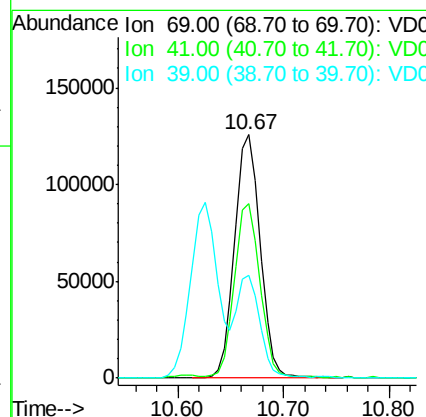
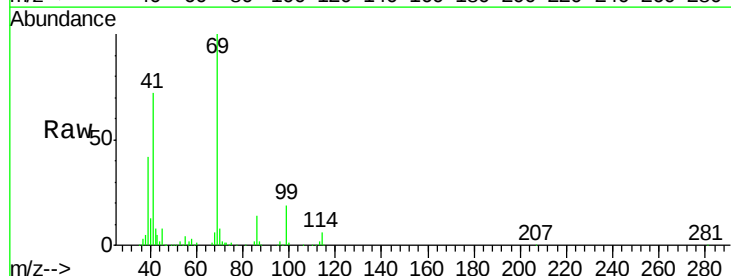
Manual Integrations
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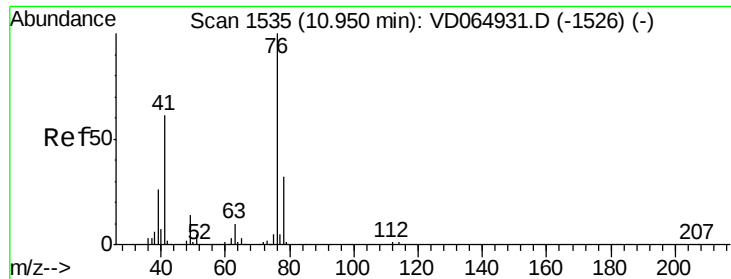
MMDadoda
 2/4/2020 11:21:08 AM



#56
 Ethyl methacrylate
 Concen: 49.787 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	211246		
41	71.2	56.4	84.6	
39	37.1	30.6	46.0	





#57

1,3-Dichloropropane

Concen: 49.456 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 300975

Ion Ratio Lower Upper

76 100

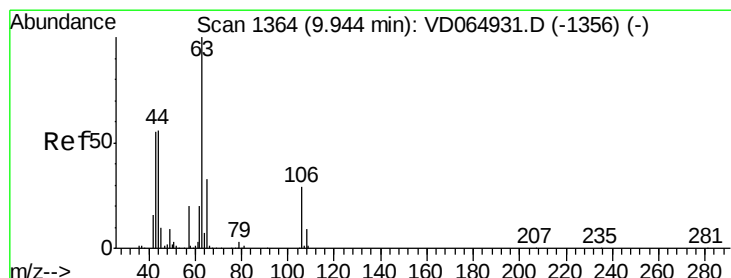
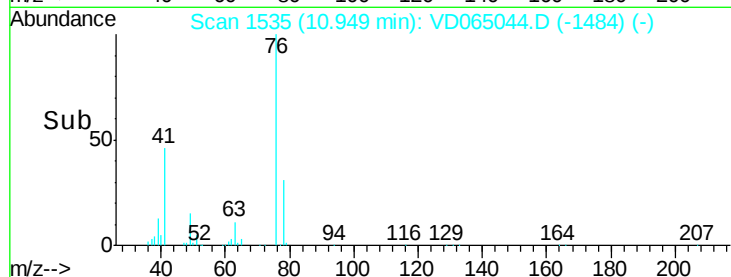
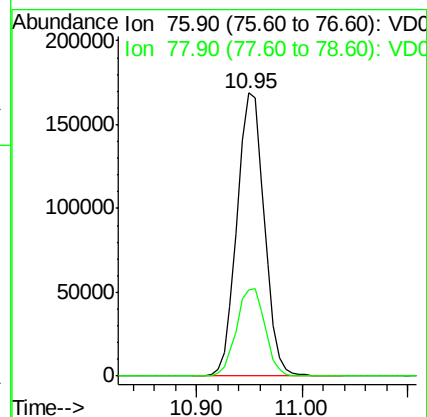
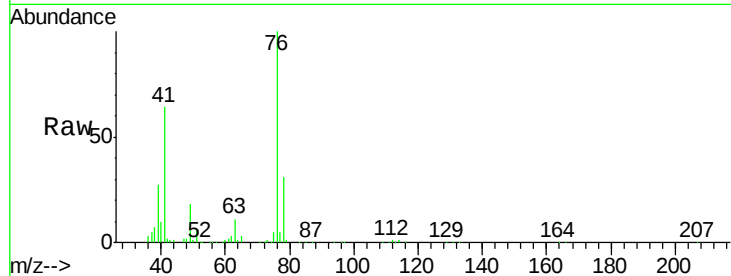
78 32.3 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

2/4/2020 11:21:08 AM



#58

2-Chloroethyl Vinyl ether

Concen: 247.783 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD065044.D

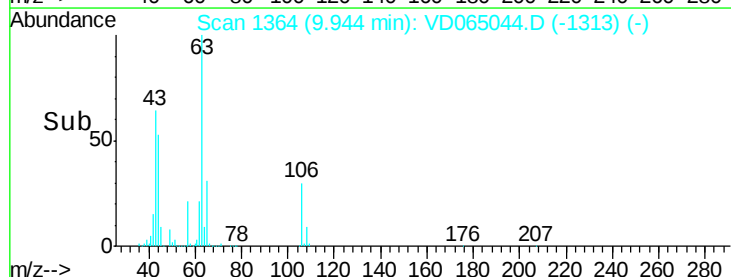
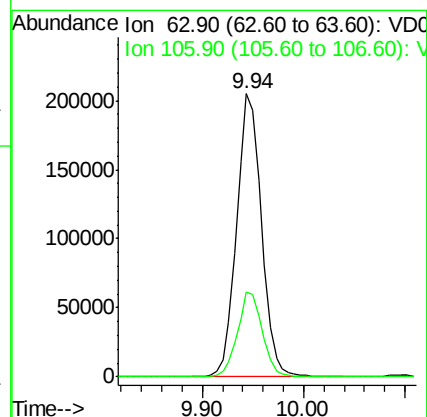
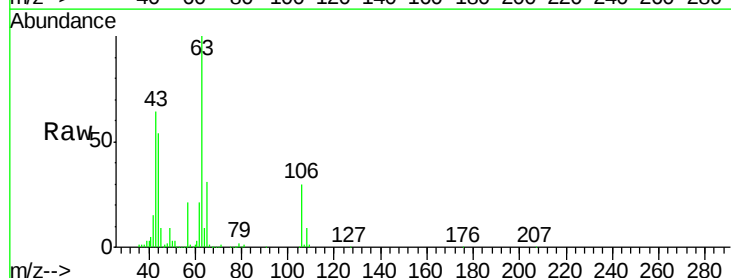
Acq: 03 Feb 2020 10:08

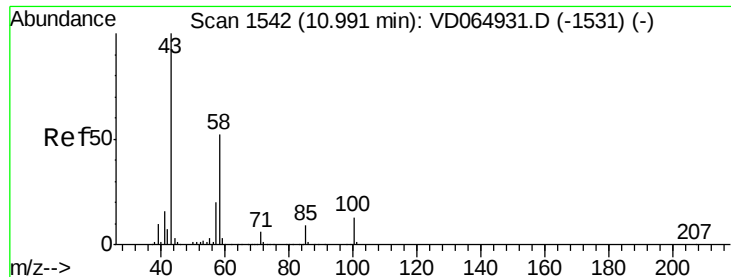
Tgt Ion: 63 Resp: 349281

Ion Ratio Lower Upper

63 100

106 29.9 23.0 34.4





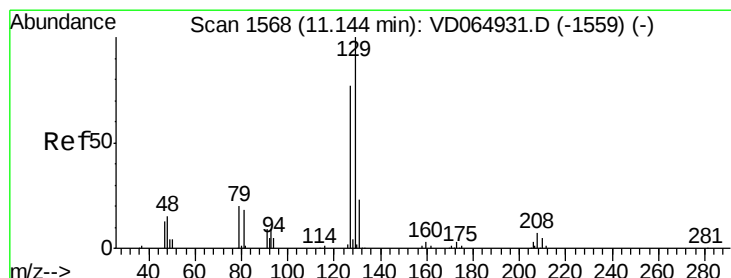
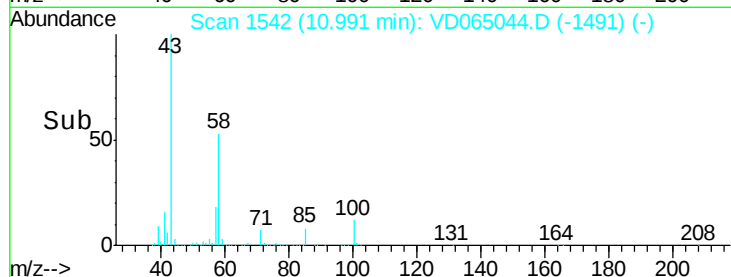
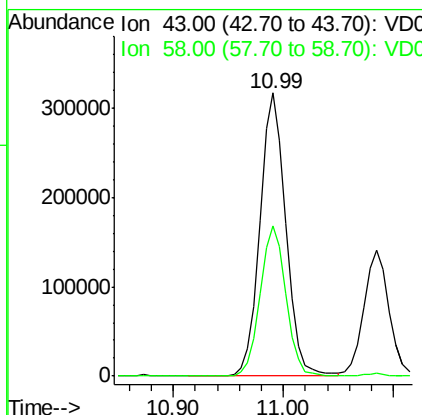
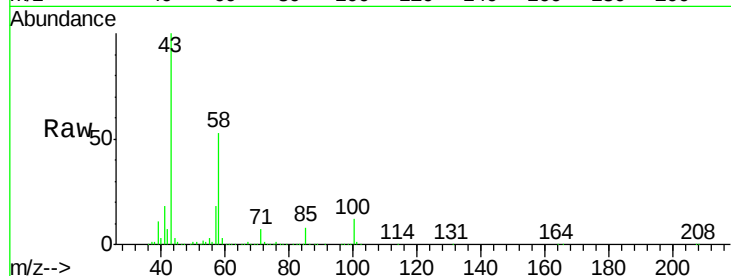
#59
2-Hexanone
Concen: 266.830 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 522158
Ion Ratio Lower Upper
43 100
58 52.8 26.5 79.4

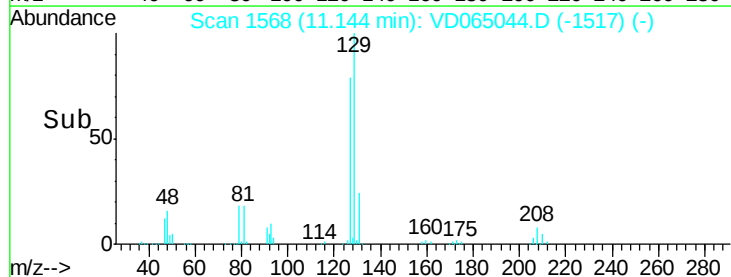
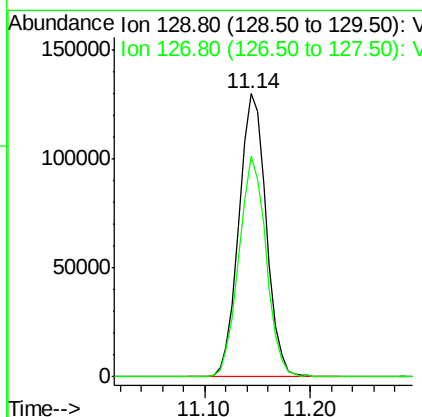
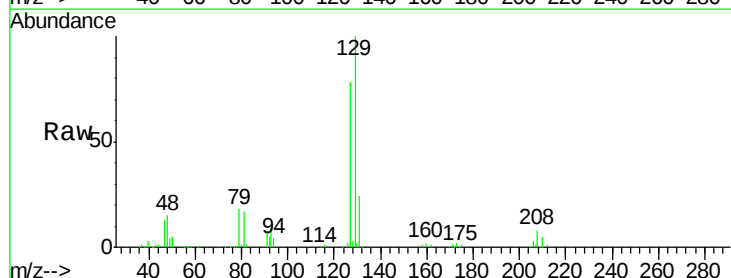
Manual Integrations
APPROVED

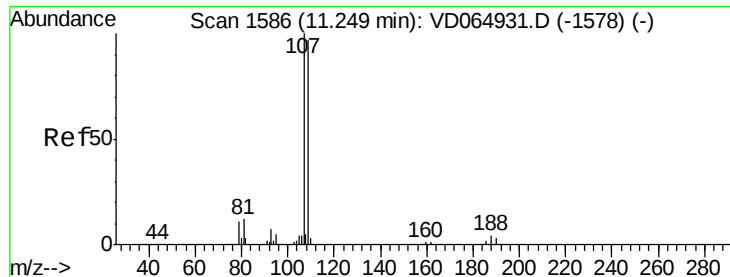
MMDadoda
2/4/2020 11:21:08 AM



#60
Dibromochloromethane
Concen: 49.139 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion: 129 Resp: 233034
Ion Ratio Lower Upper
129 100
127 77.8 38.2 114.6





#61

1,2-Dibromoethane

Concen: 48.211 ug/l

RT: 11.26 min Scan# 1587

Delta R.T. 0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 164715

Ion Ratio Lower Upper

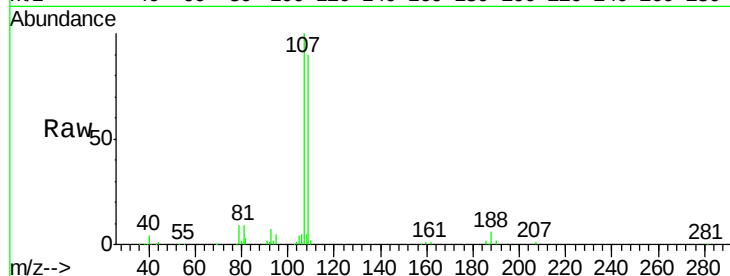
107 100

109 95.7 77.1 115.7

Manual Integrations
APPROVED

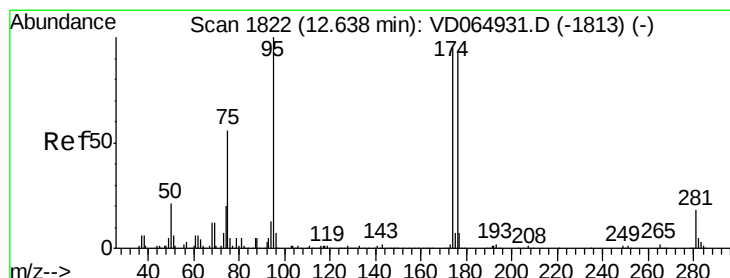
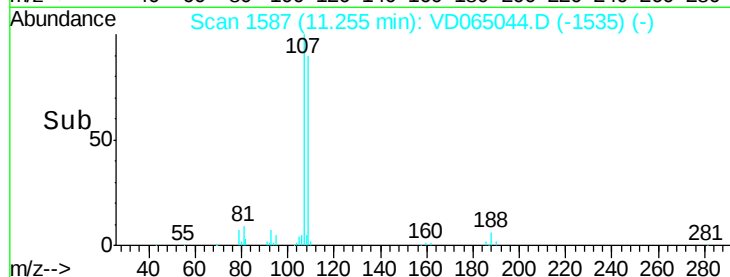
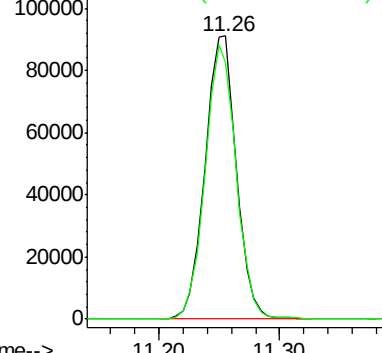
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.119 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

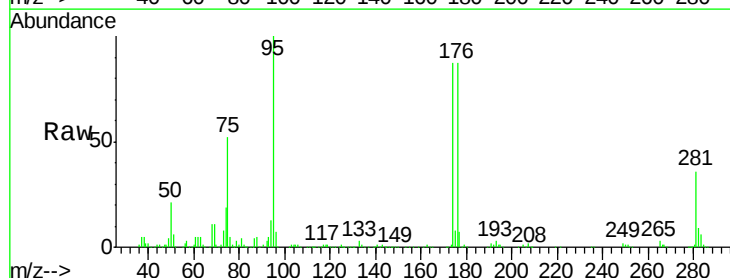
Tgt Ion: 95 Resp: 289900

Ion Ratio Lower Upper

95 100

174 90.2 0.0 186.8

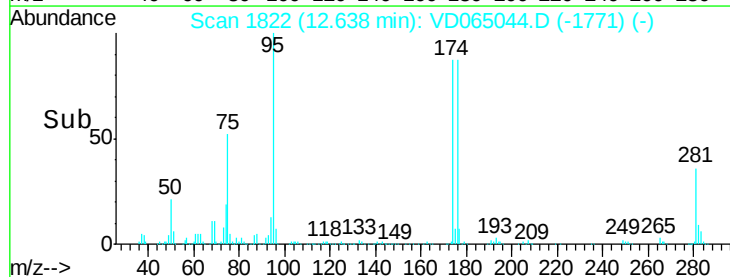
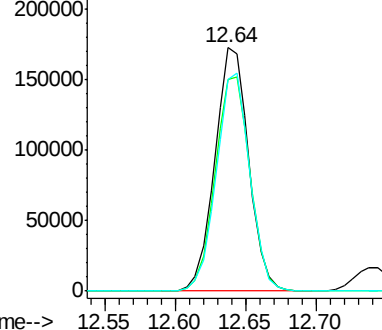
176 88.5 0.0 183.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





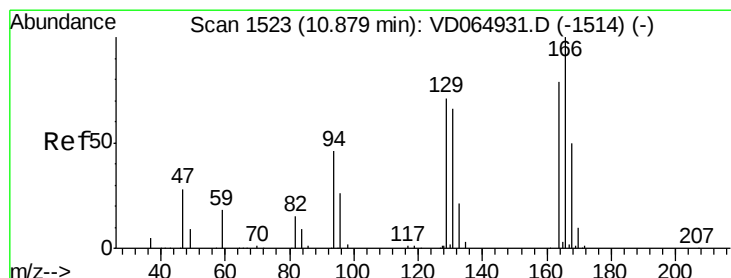
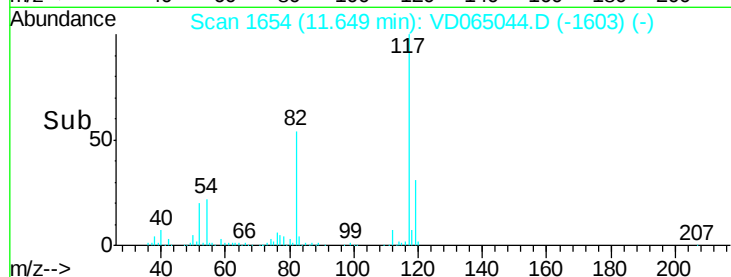
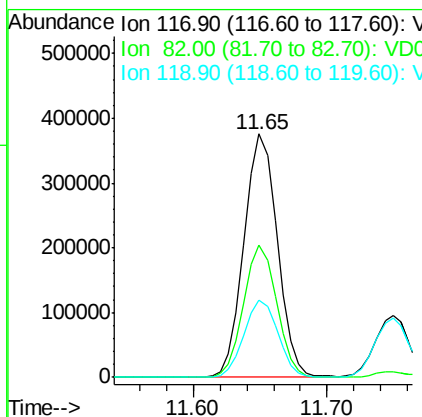
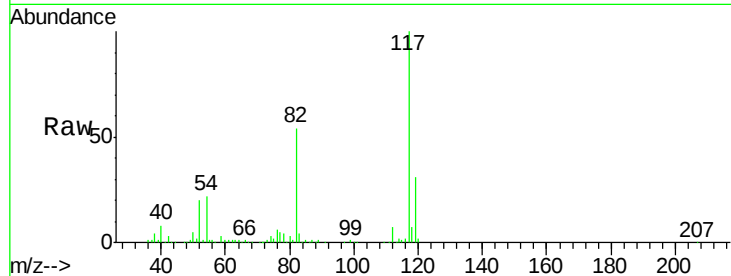
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.6	65.4
119	31.5	25.2	37.8

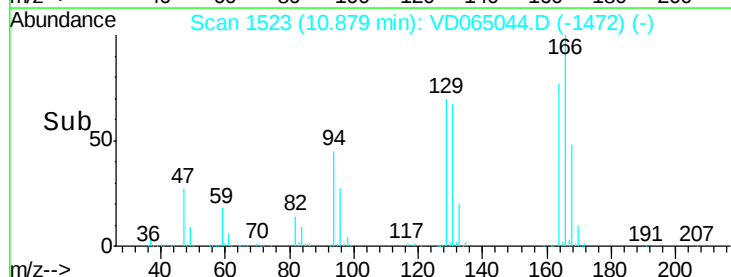
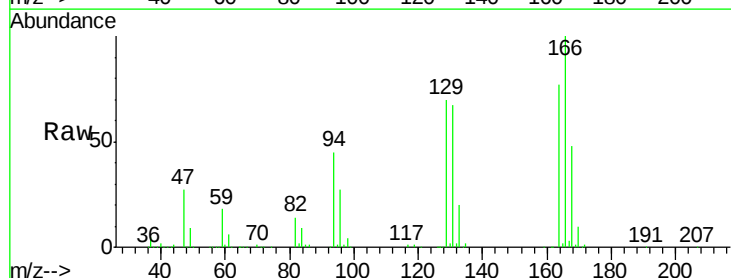
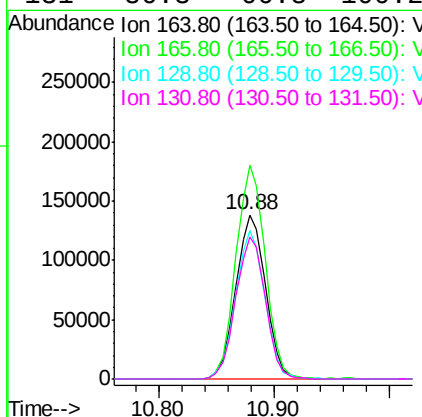
Manual Integrations
APPROVED

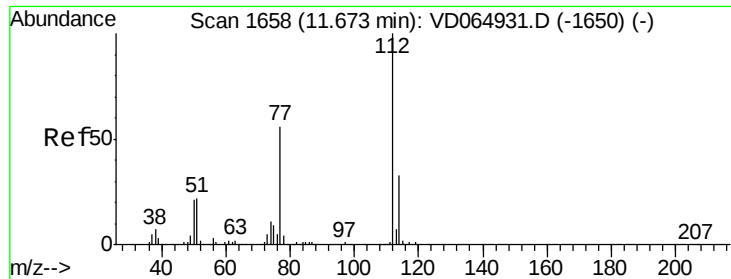
MMDadoda
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#64
Tetrachloroethene
Concen: 52.550 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	101.4	152.2
129	90.5	71.8	107.8
131	86.3	66.8	100.2





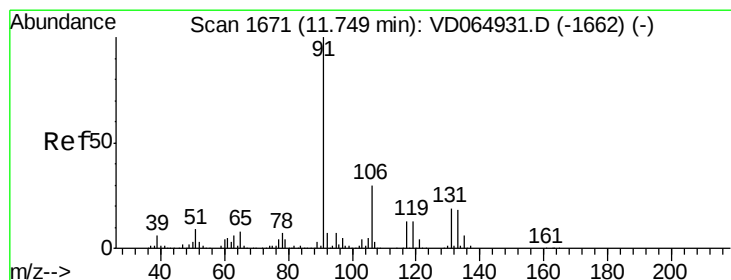
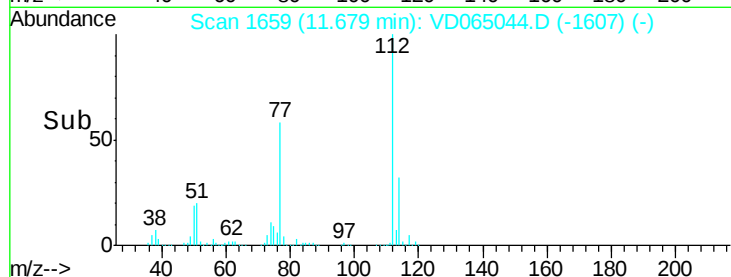
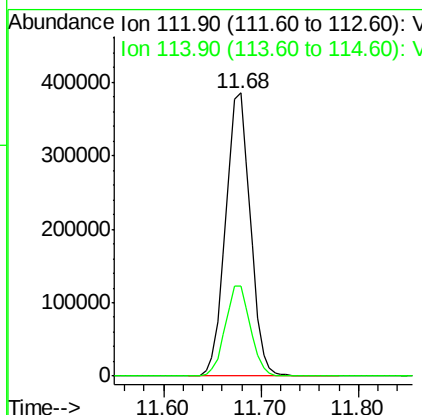
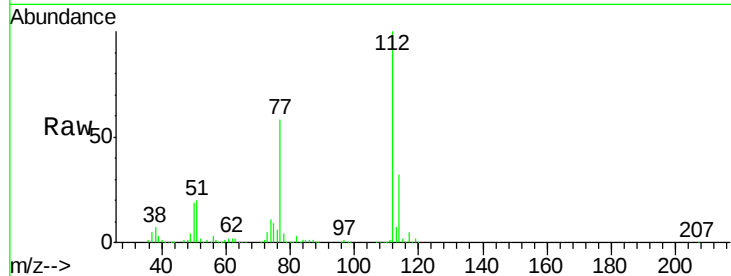
#65
Chlorobenzene
Concen: 51.370 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 678729
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4

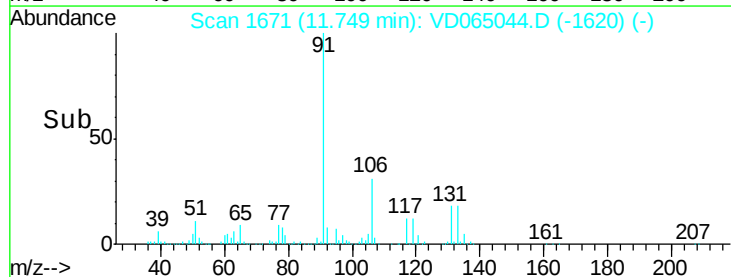
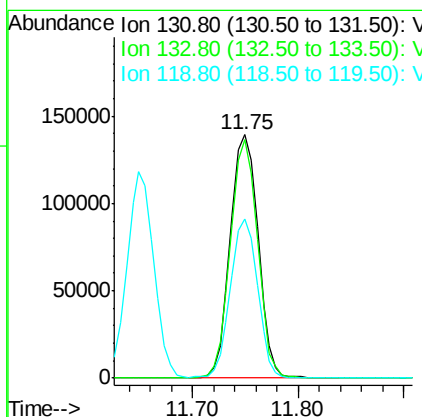
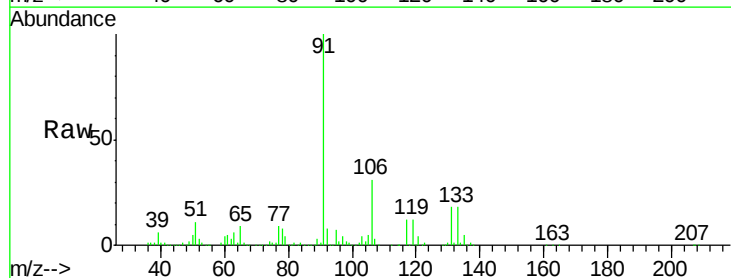
Manual Integrations
APPROVED

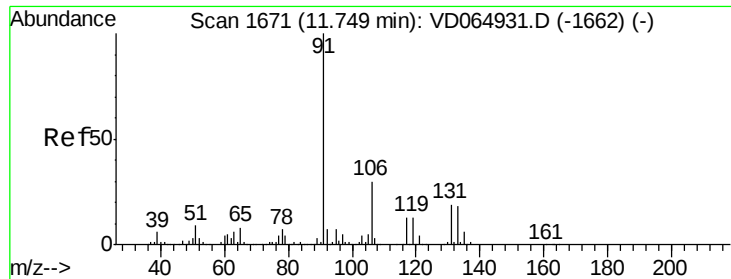
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.436 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion:131 Resp: 255589
Ion Ratio Lower Upper
131 100
133 95.2 47.5 142.5
119 64.0 31.1 93.5





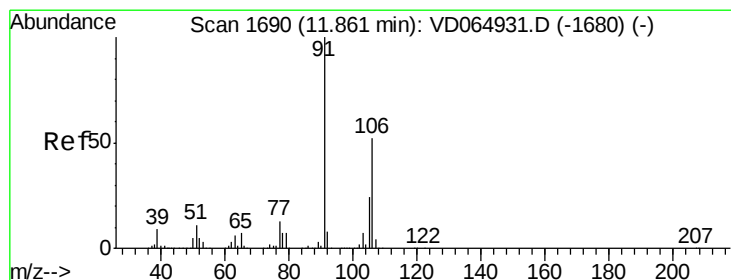
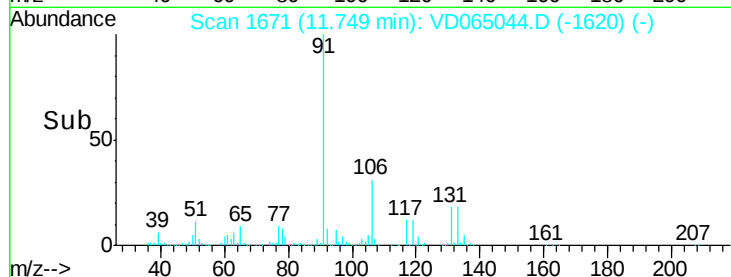
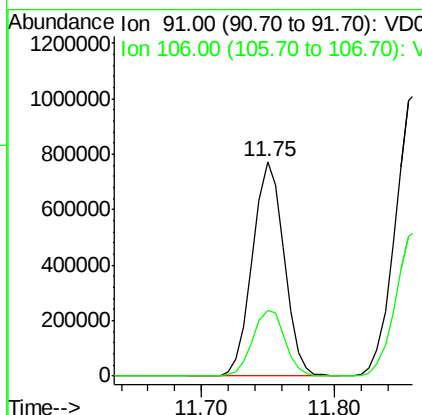
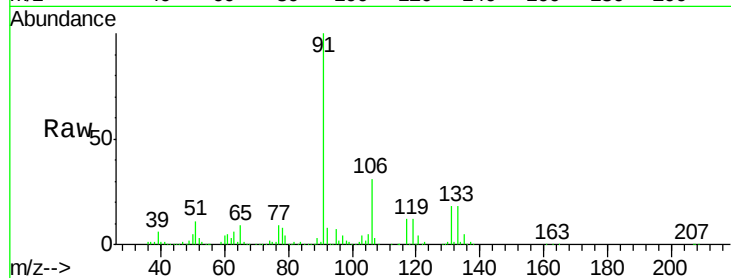
#67
Ethyl Benzene
Concen: 53.833 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1262758
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5

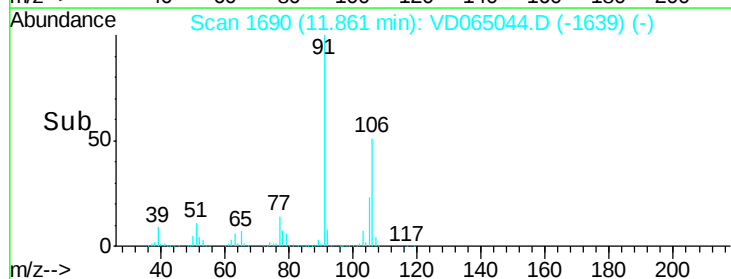
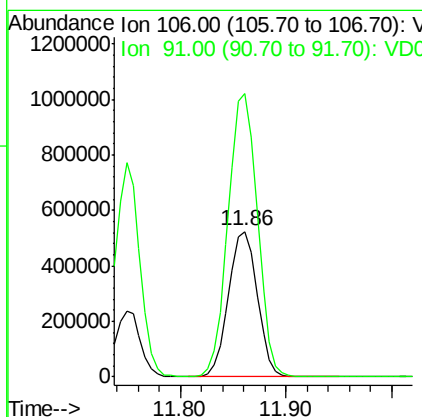
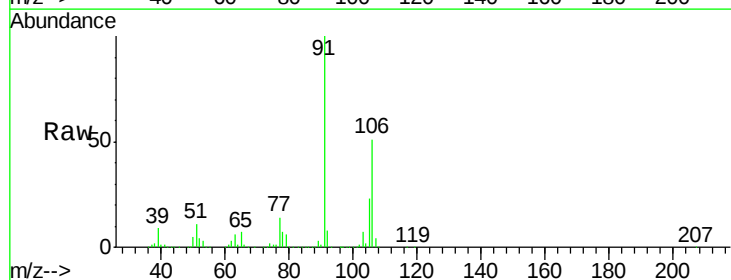
Manual Integrations
APPROVED

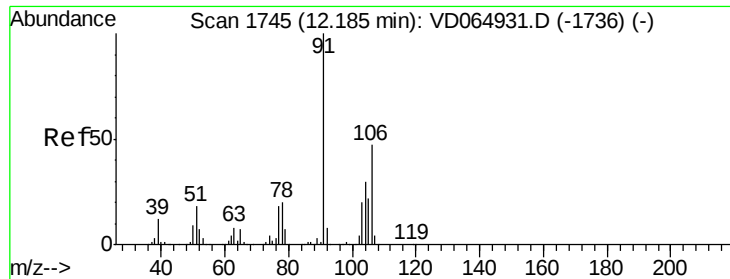
MMDadoda
2/4/2020 11:21:08 AM



#68
m/p-Xylenes
Concen: 109.592 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion: 106 Resp: 989776
Ion Ratio Lower Upper
106 100
91 198.1 159.0 238.4





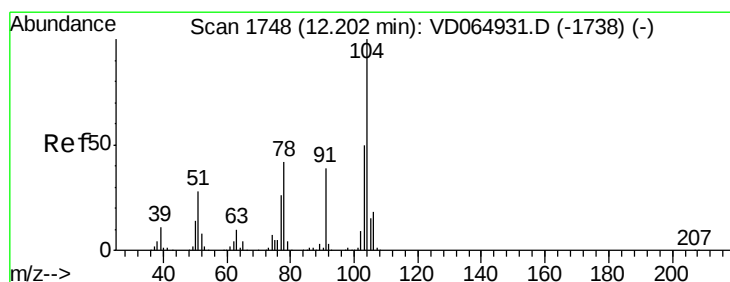
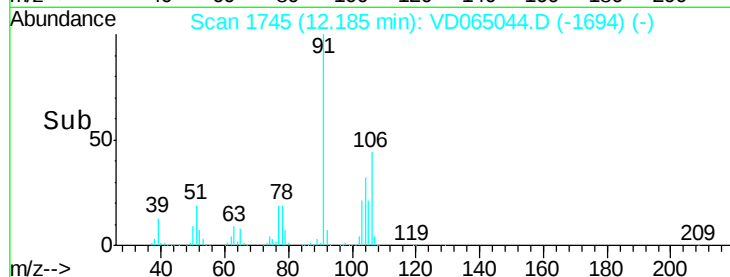
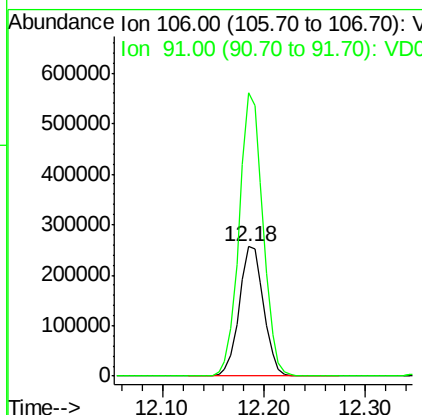
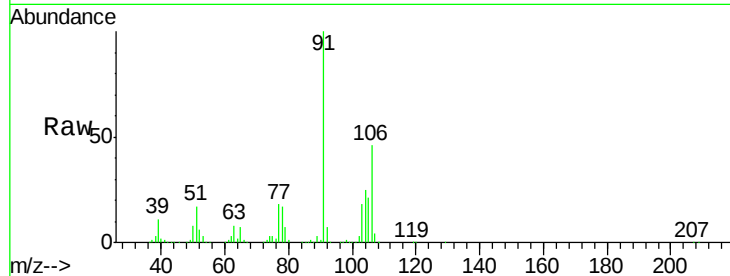
#69
o-Xylene
Concen: 53.358 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		427692		
91	213.4	106.7	319.9		

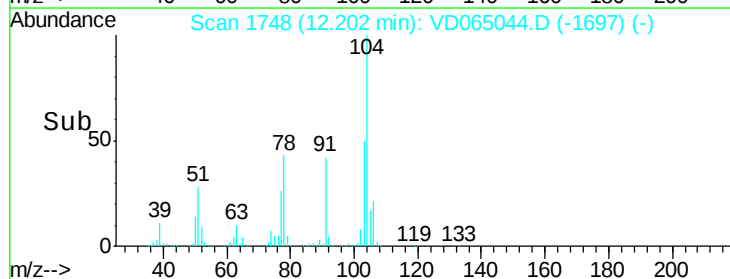
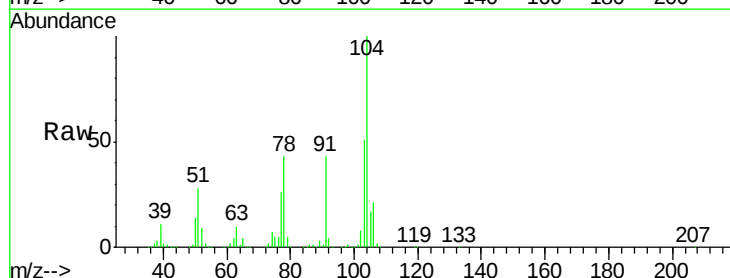
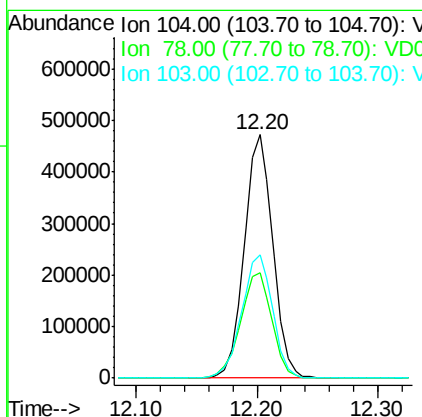
Manual Integrations
APPROVED

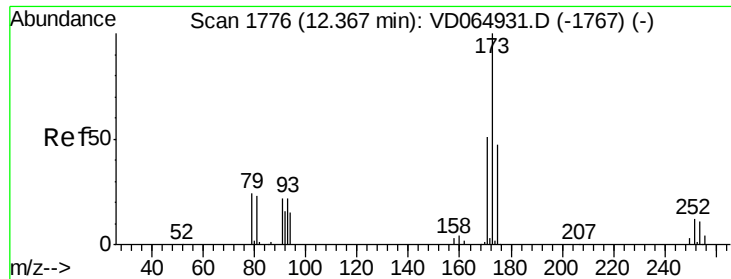
MMDadoda
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#70
Styrene
Concen: 54.518 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		778436		
78	47.6	38.3	57.5		
103	54.6	43.5	65.3		





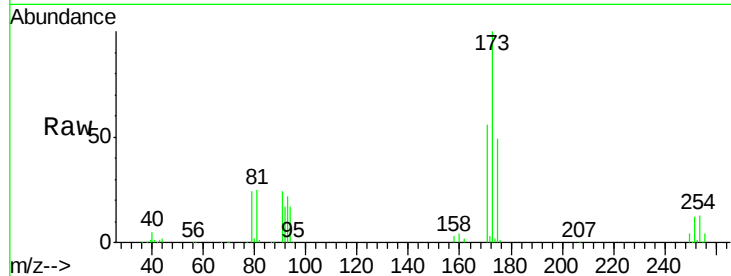
#71
Bromoform
Concen: 48.146 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.6	73.8
254	0.1	0.1	0.1#

Manual Integrations
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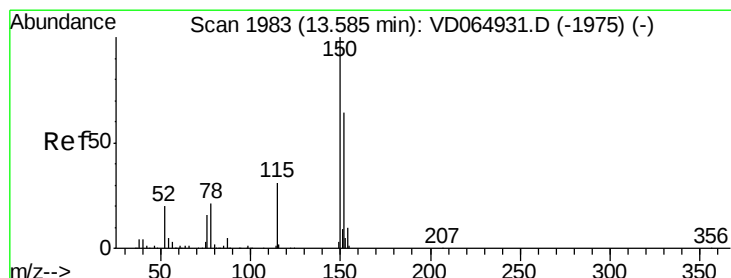
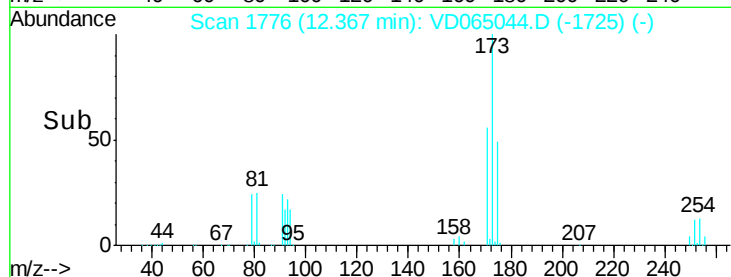
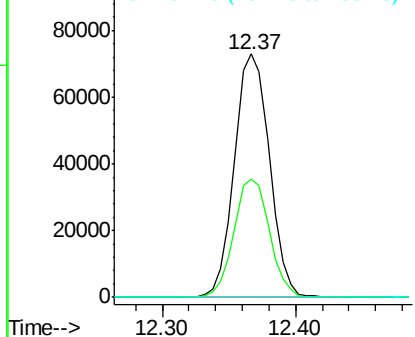


Abundance

Ion 172.70 (172.40 to 173.40): V

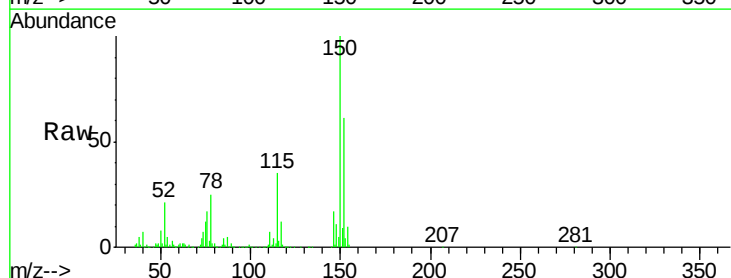
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.1	84.4
150	176.1	0.0	350.4

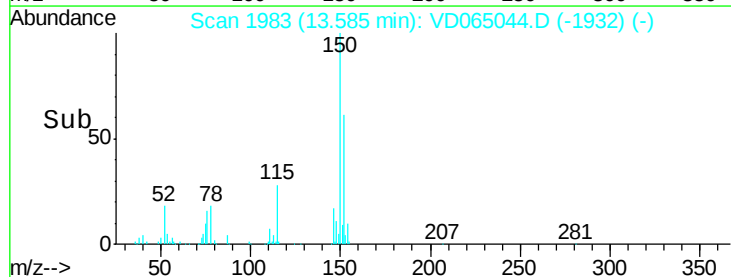
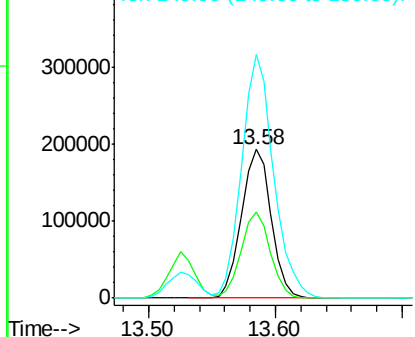


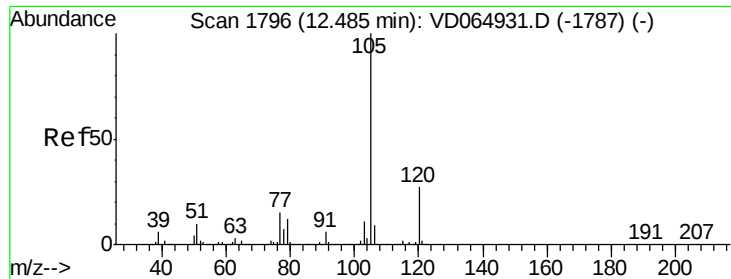
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.137 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1199287

Ion Ratio Lower Upper

105 100

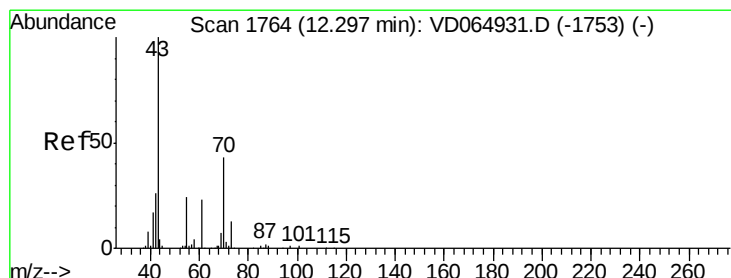
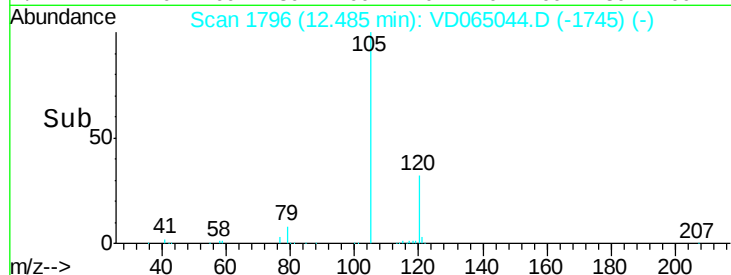
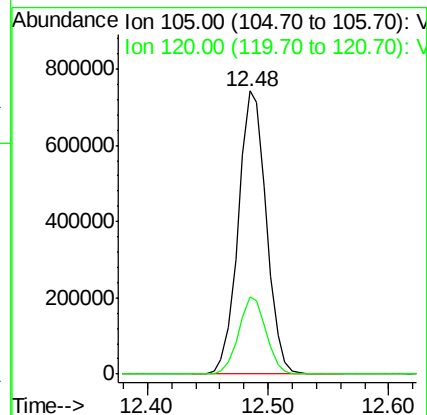
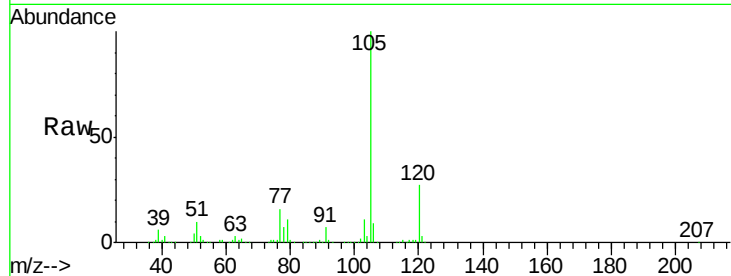
120 26.7 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.466 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Tgt Ion: 43 Resp: 236472

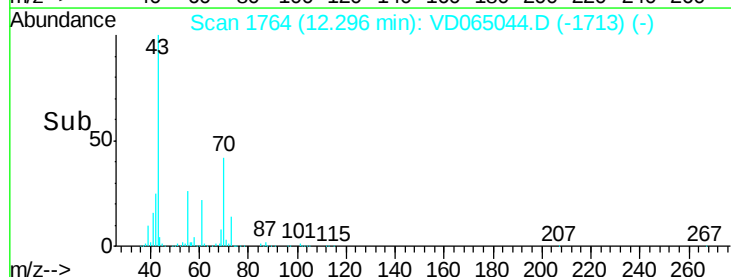
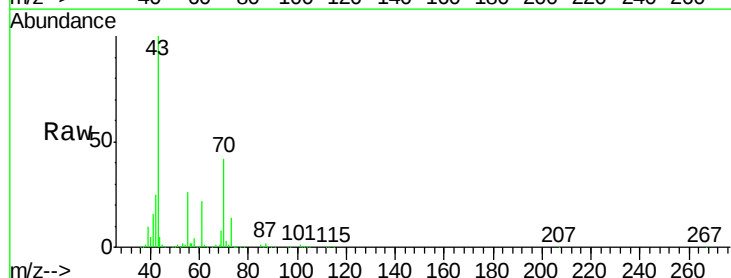
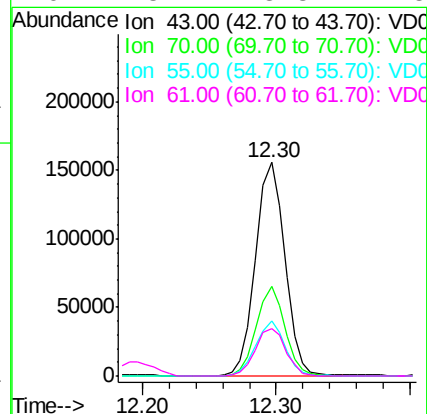
Ion Ratio Lower Upper

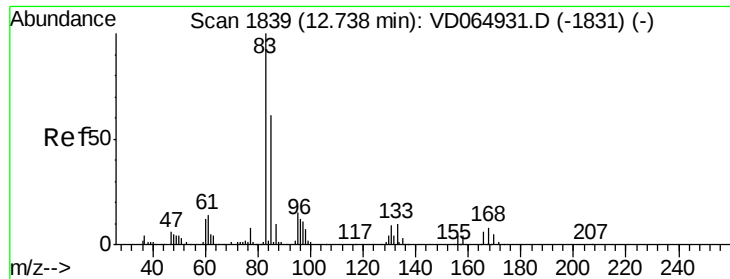
43 100

70 41.0 32.6 49.0

55 25.6 19.9 29.9

61 23.2 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.529 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

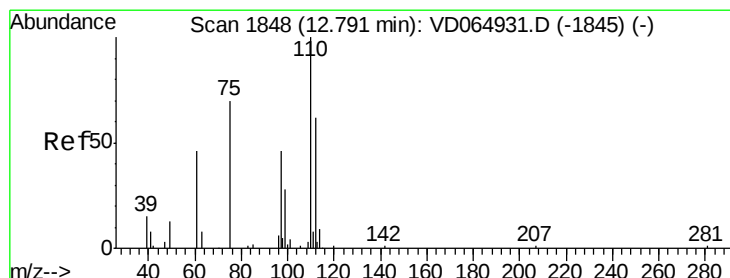
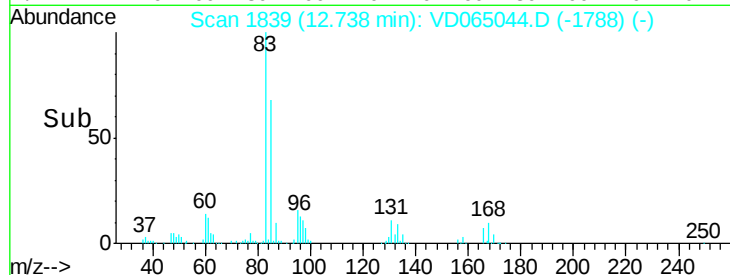
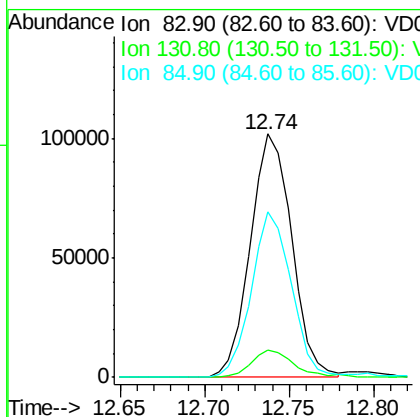
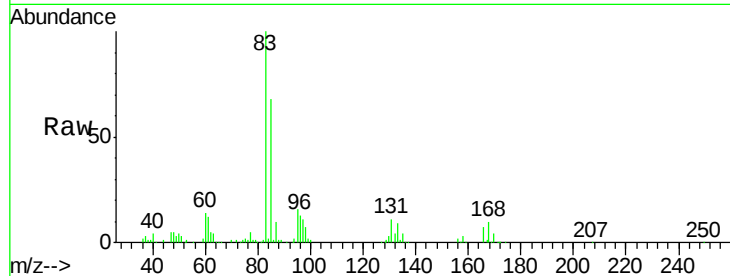
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	174250
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.5	16.4
85	65.7	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.009 ug/l m

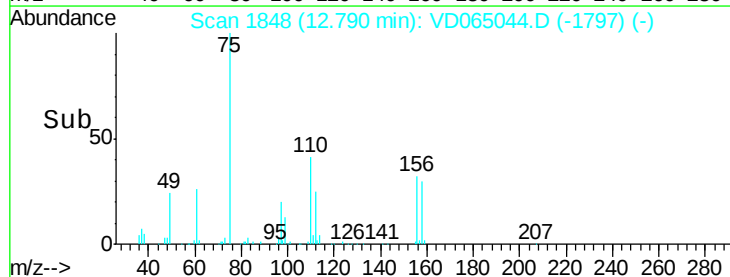
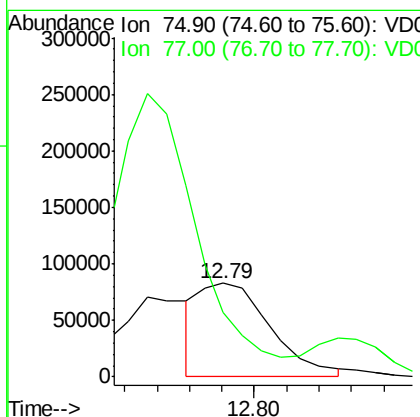
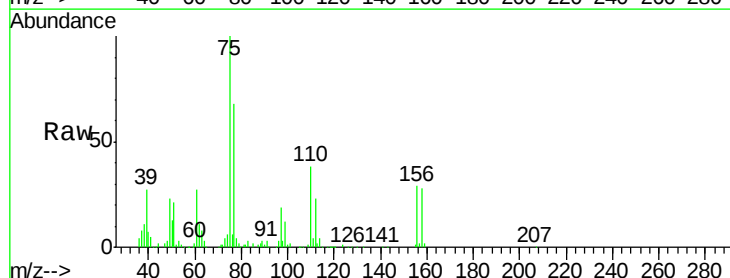
RT: 12.79 min Scan# 1848

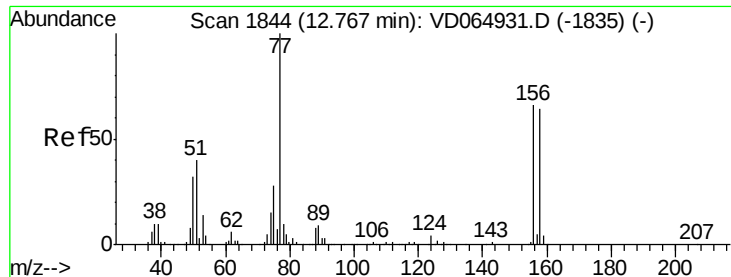
Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Tgt Ion:	75	Resp:	127145
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.854 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

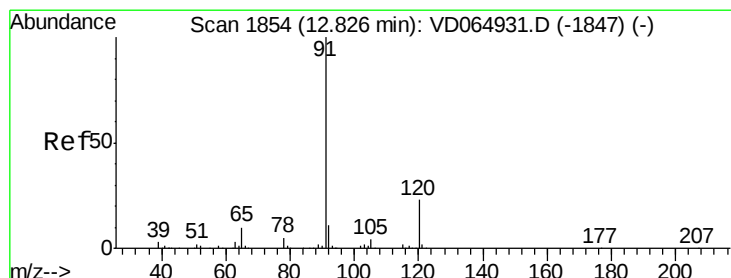
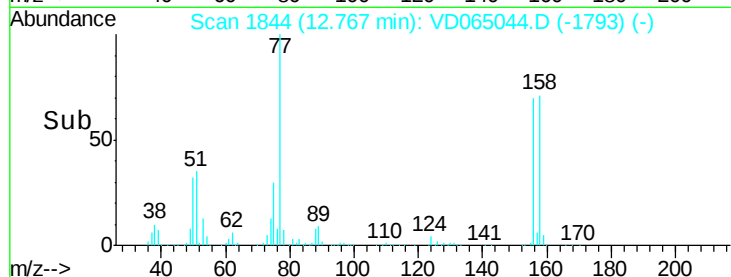
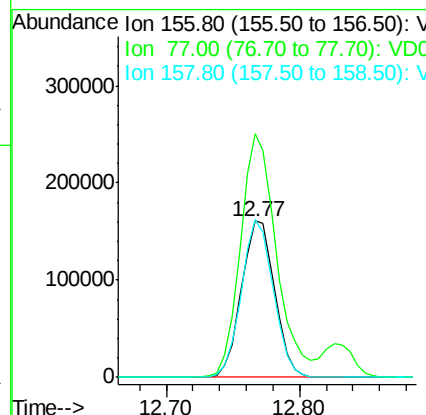
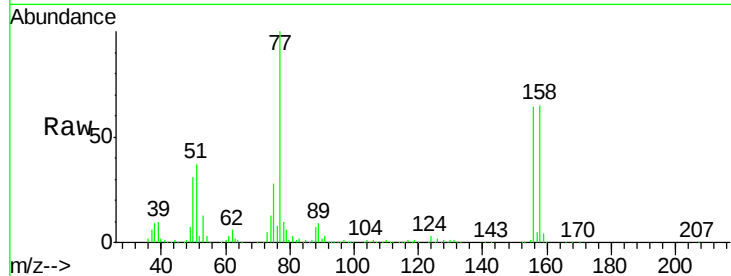
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	276275
Ion Ratio	Lower	Upper	
156	100		
77	168.0	84.2	252.5
158	97.3	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 56.219 ug/l

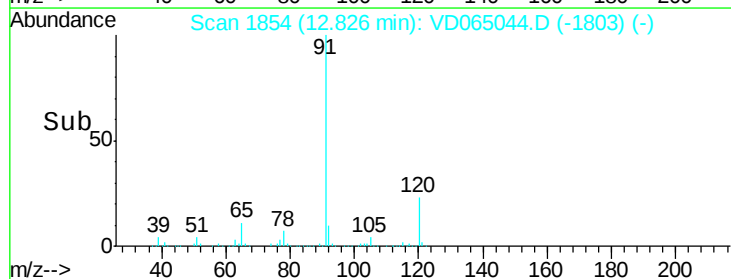
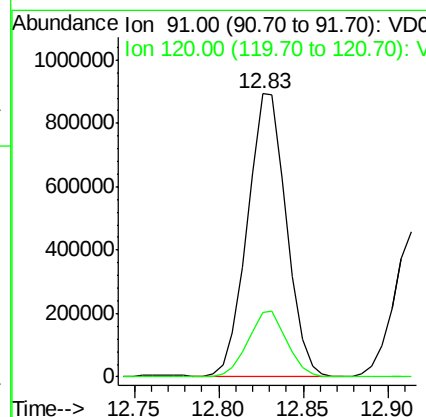
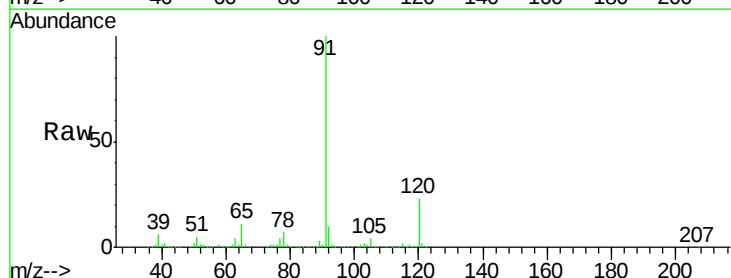
RT: 12.83 min Scan# 1854

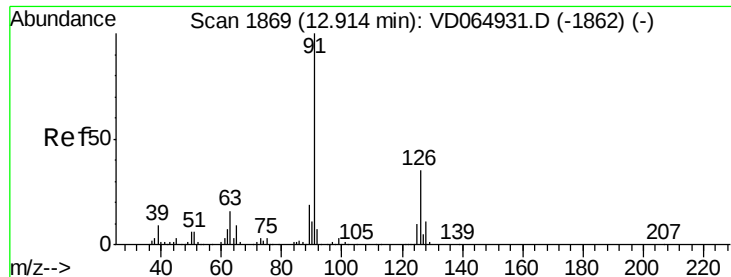
Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Tgt Ion:	91	Resp:	1428332
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.7	35.1





#79

2-Chlorotoluene

Concen: 55.050 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 767258

Ion Ratio Lower Upper

91 100

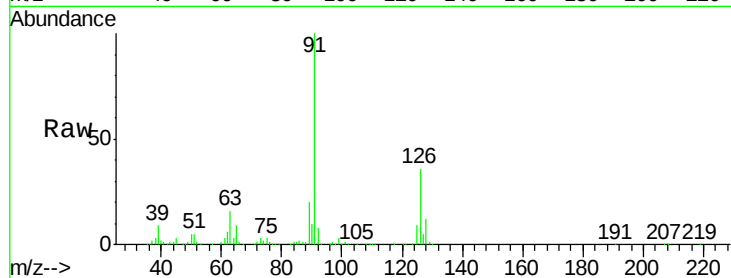
126 34.8 17.9 53.8

Manual Integrations

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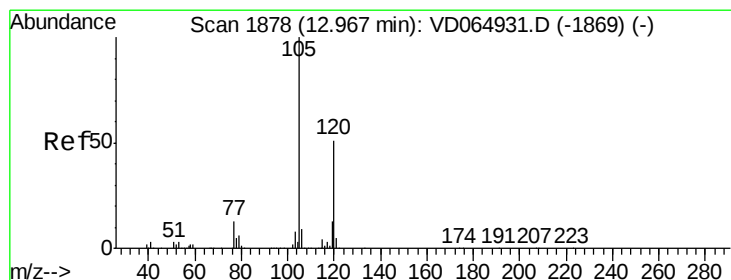
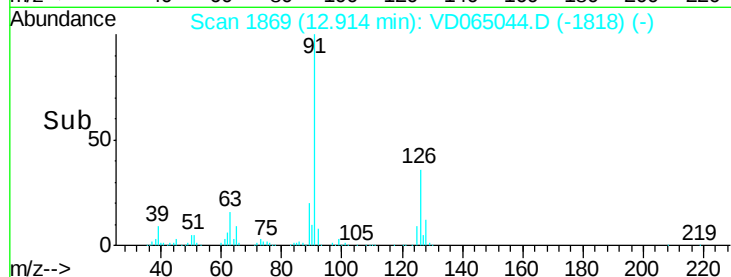
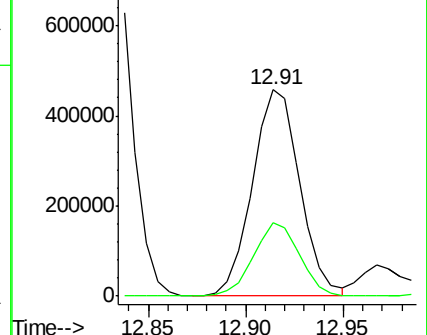
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 55.926 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065044.D

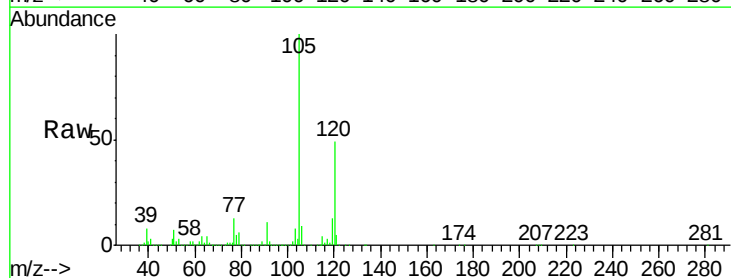
Acq: 03 Feb 2020 10:08

Tgt Ion: 105 Resp: 979119

Ion Ratio Lower Upper

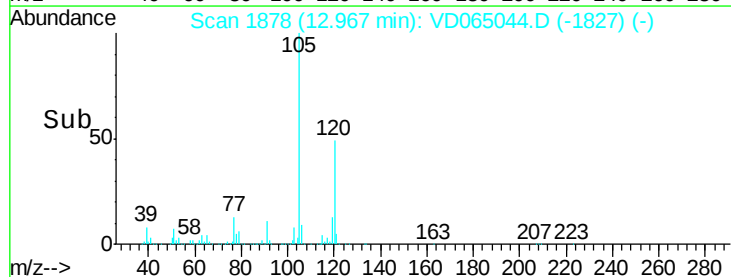
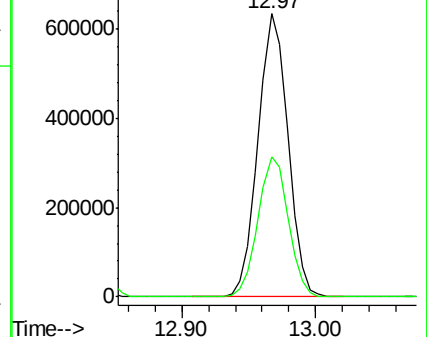
105 100

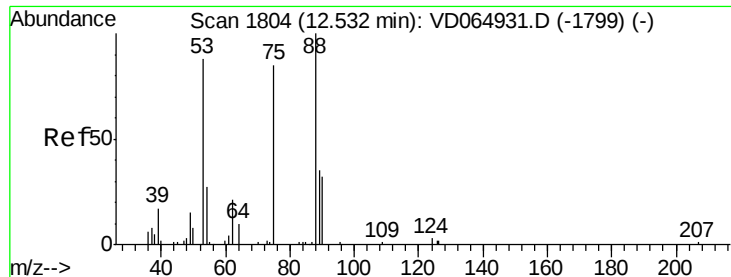
120 50.2 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.747 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

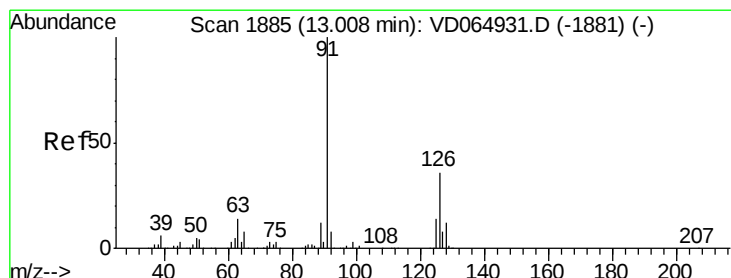
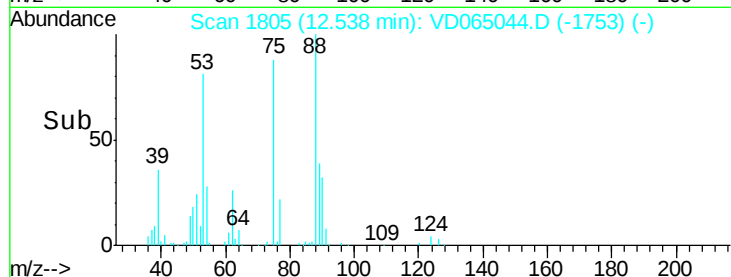
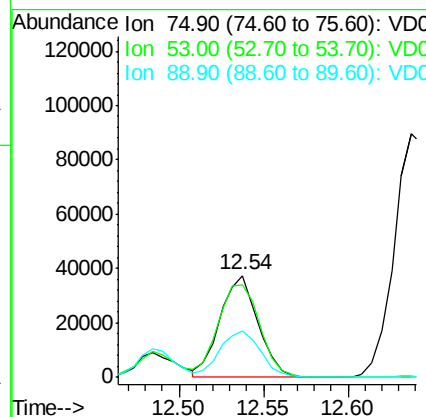
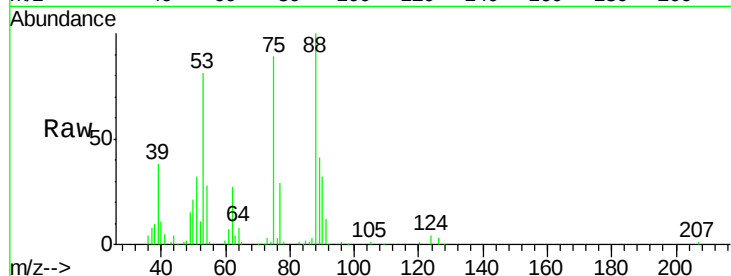
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	59228
Ion Ratio	Lower	Upper	
75	100		
53	100.1	81.0	121.4
89	48.2	36.2	54.4

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#82

4-Chlorotoluene

Concen: 54.158 ug/l

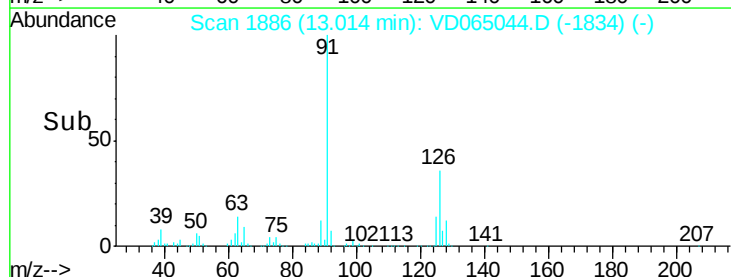
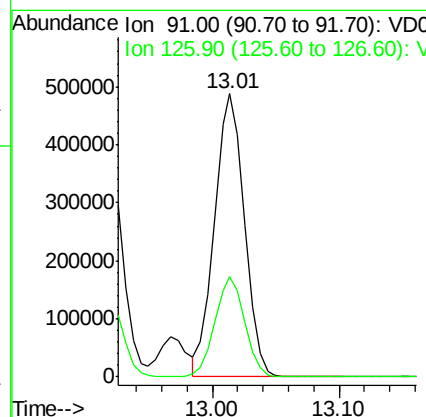
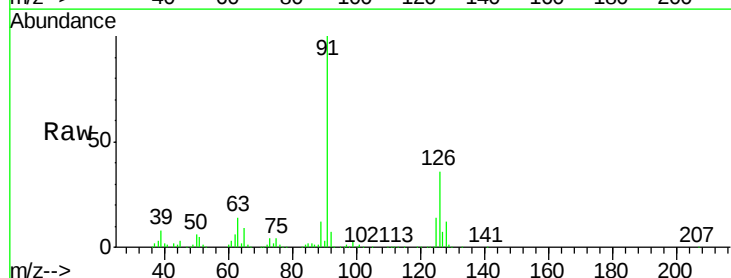
RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Tgt Ion:	91	Resp:	800515
Ion Ratio	Lower	Upper	
91	100		
126	35.3	18.0	54.0





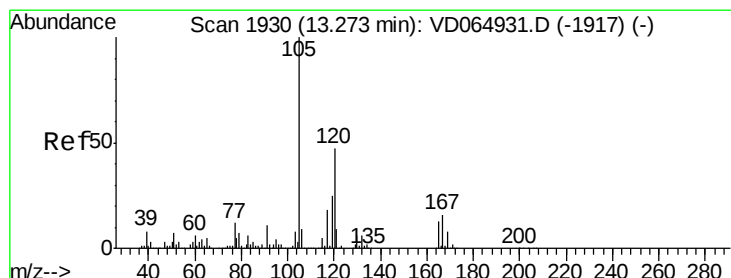
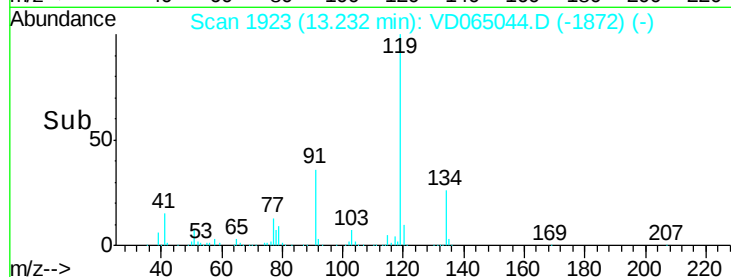
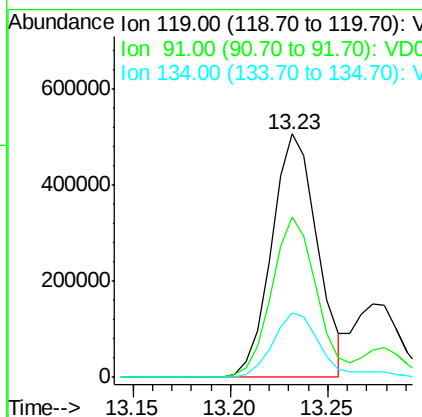
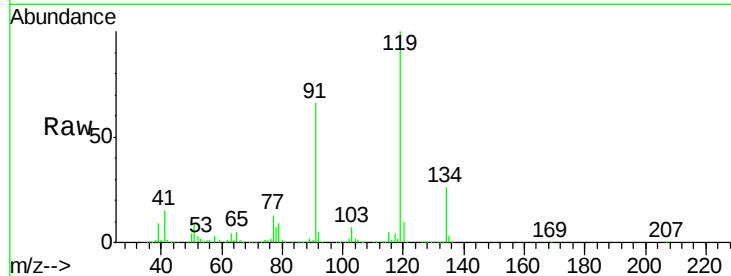
#83
tert-Butylbenzene
Concen: 55.069 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.0	96.0
134	28.3	13.9	41.6

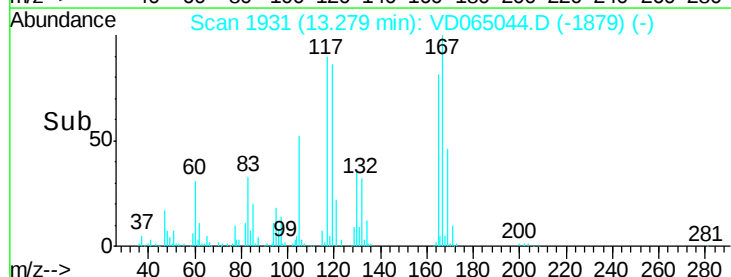
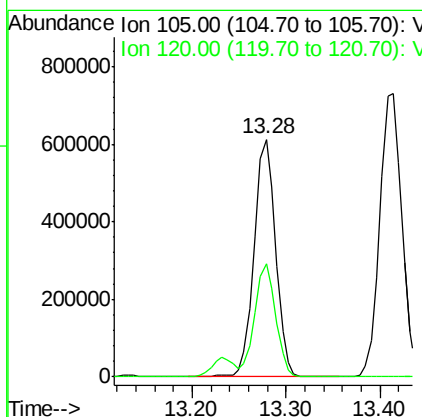
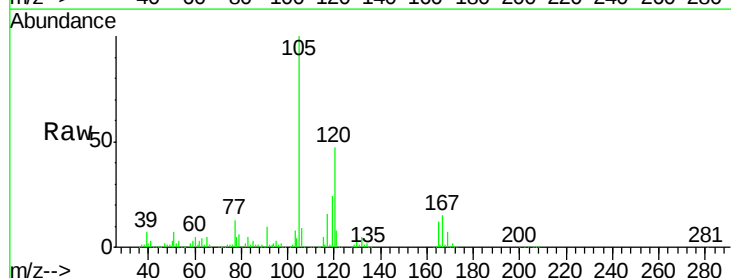
Manual Integrations
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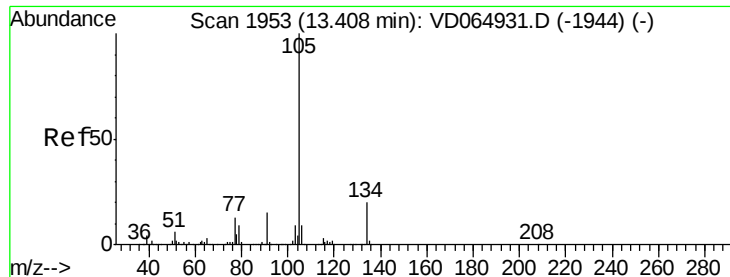
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#84
1,2,4-Trimethylbenzene
Concen: 54.858 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.3





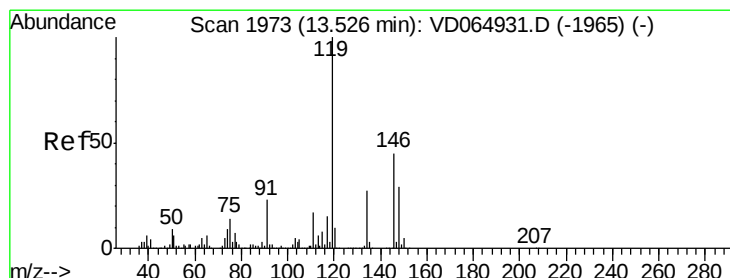
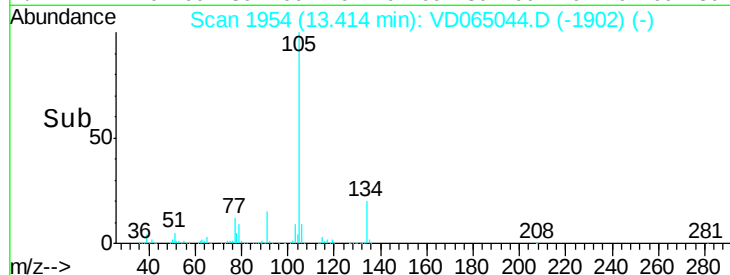
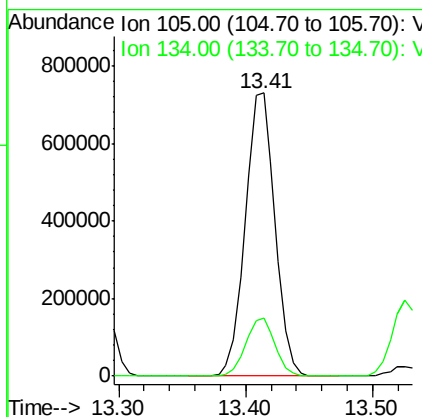
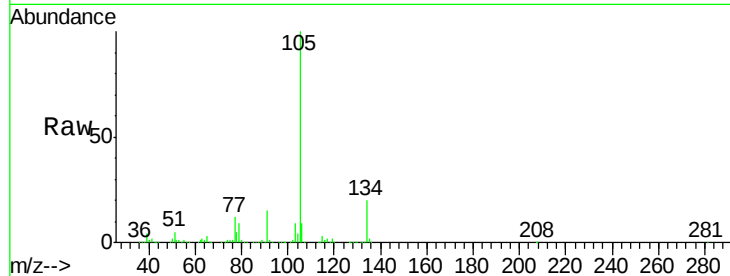
#85
 sec-Butylbenzene
 Concen: 56.469 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1187896
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.4 31.4

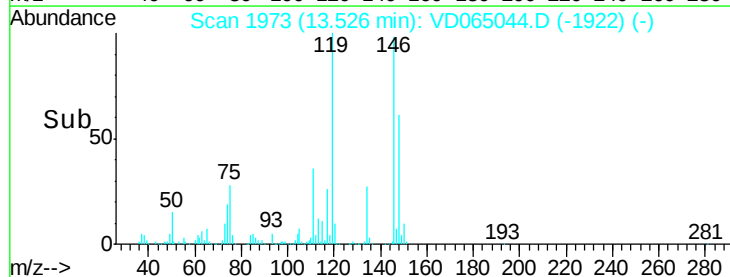
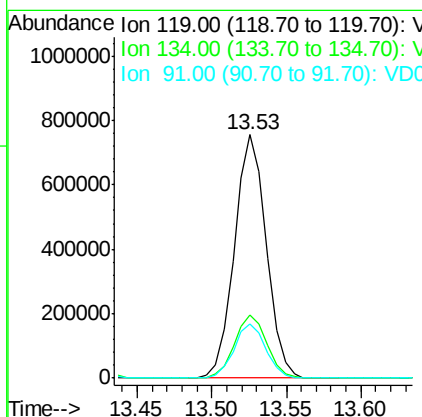
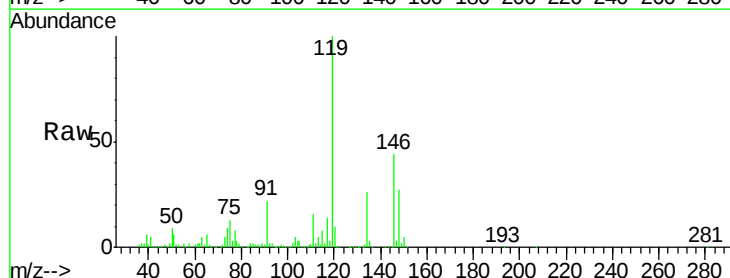
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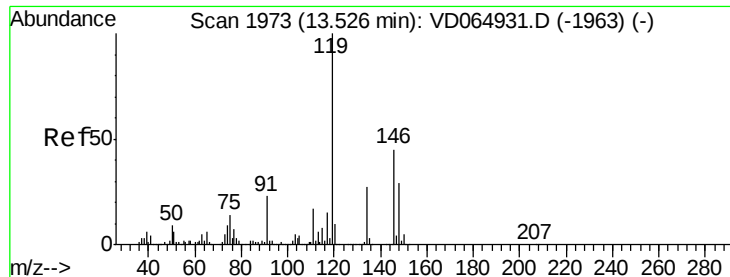
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#86
 p-Isopropyltoluene
 Concen: 56.828 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Tgt Ion:119 Resp: 1118658
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.3 39.9
 91 22.2 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 53.828 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

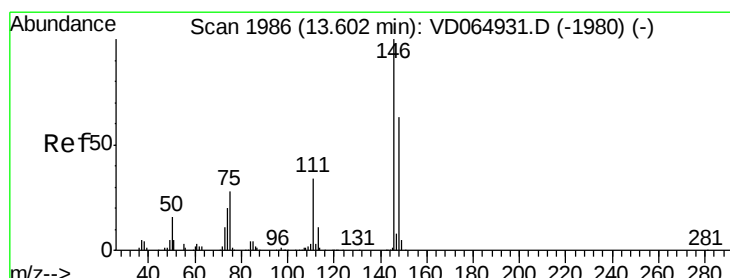
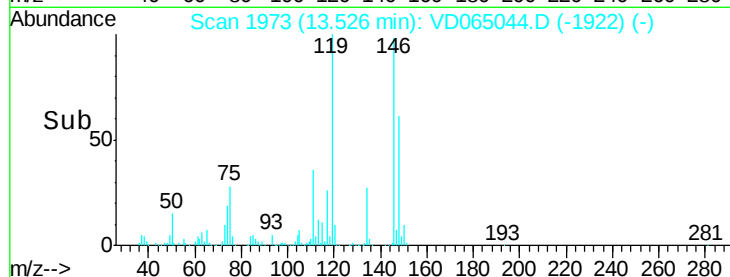
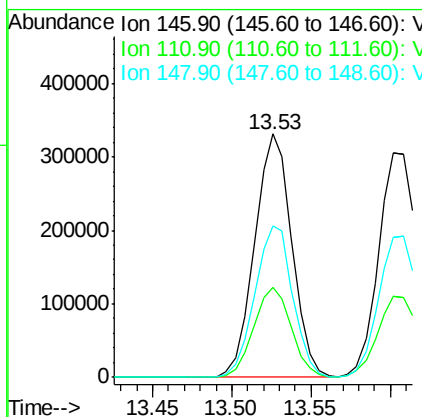
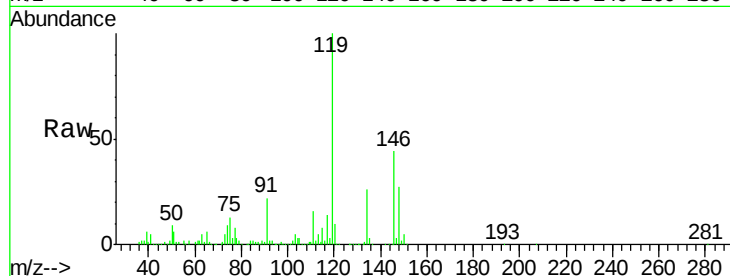
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	539858
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.9	56.9
148	63.5	32.6	97.7

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#88

1,4-Dichlorobenzene

Concen: 52.249 ug/l

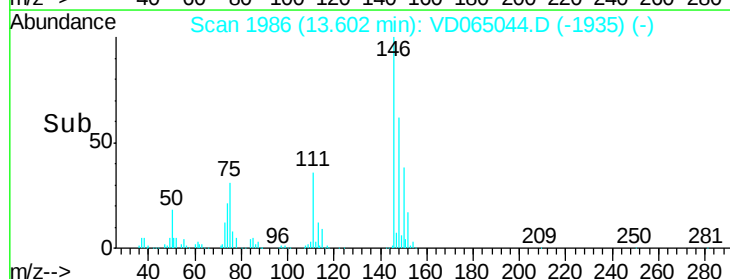
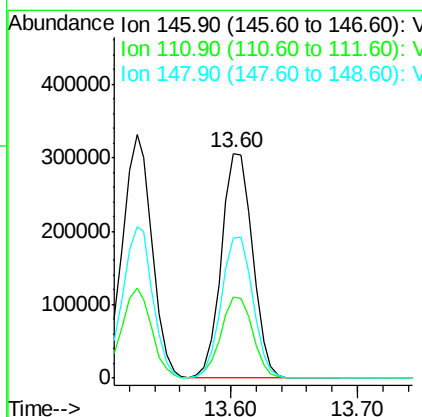
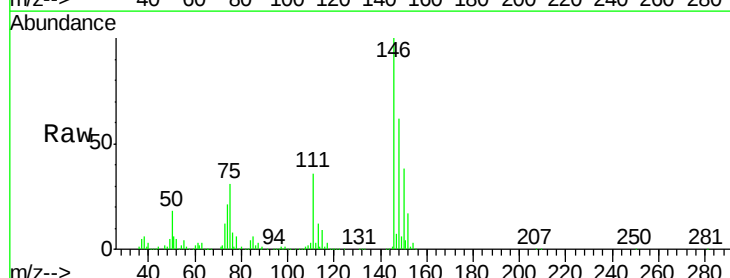
RT: 13.60 min Scan# 1986

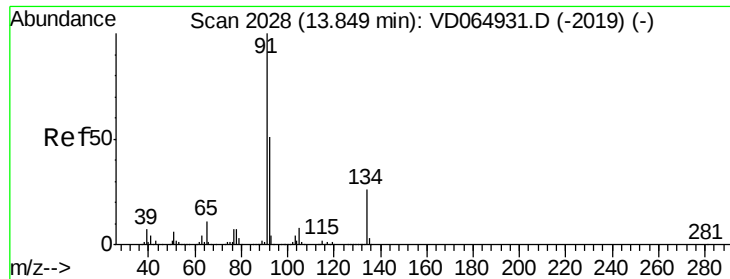
Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Tgt Ion:	146	Resp:	520103
Ion Ratio	Lower	Upper	
146	100		
111	36.9	18.2	54.6
148	63.5	32.0	96.0





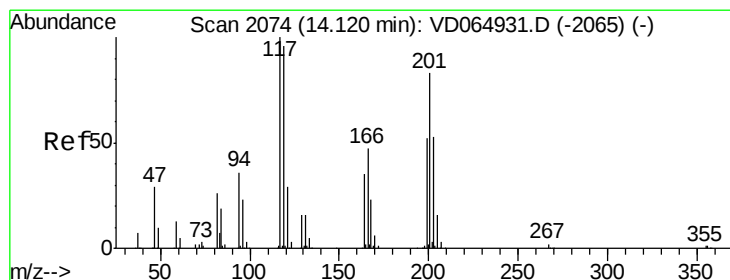
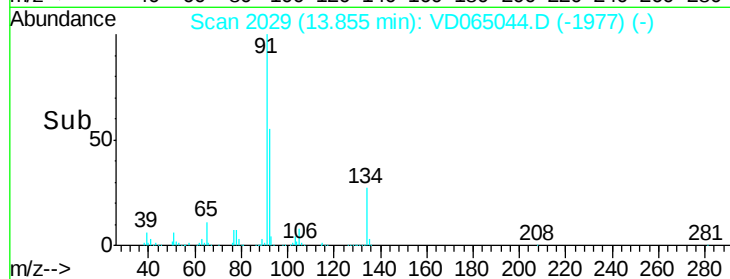
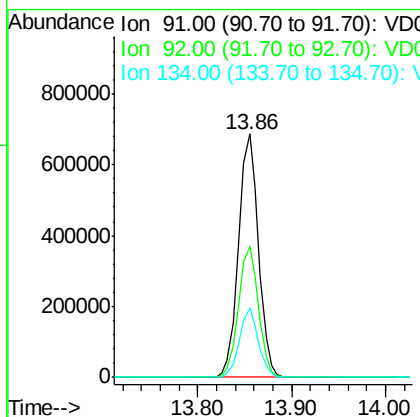
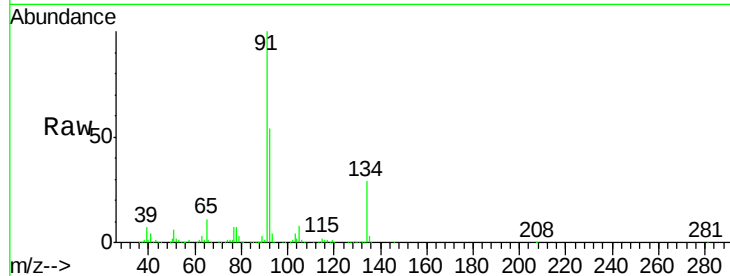
#89
n-Butylbenzene
Concen: 56.139 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.4	79.0
134	26.9	13.3	39.9

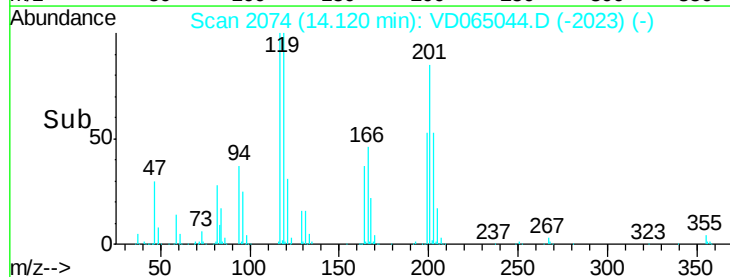
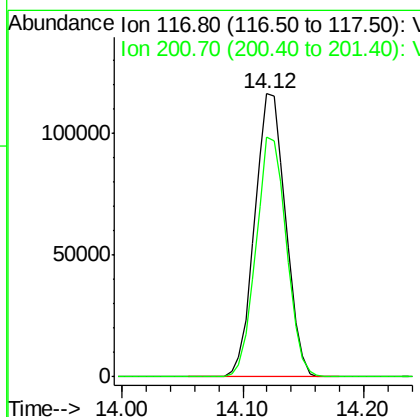
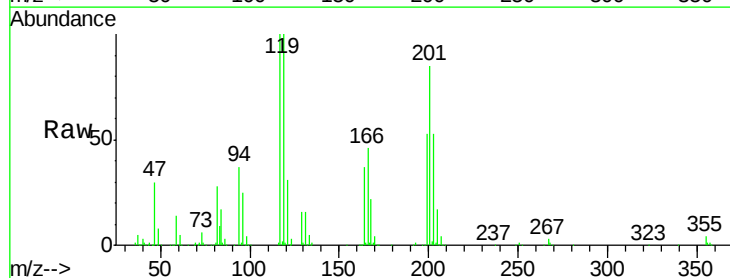
Manual Integrations
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2/4/2020 11:21:08 AM



#90
Hexachloroethane
Concen: 54.558 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.1	41.1	123.3





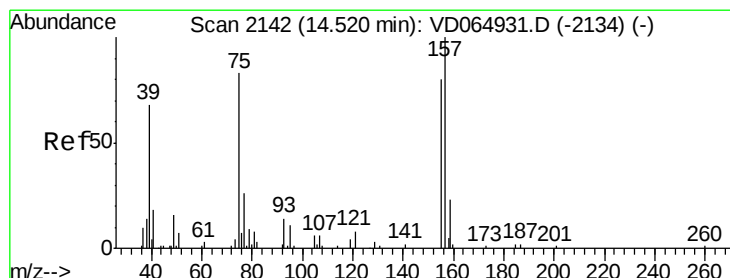
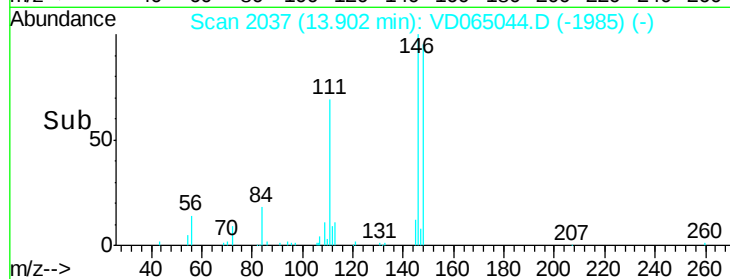
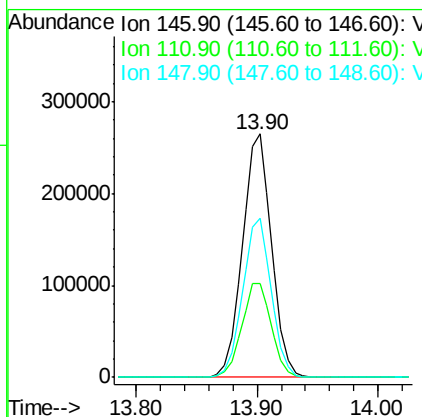
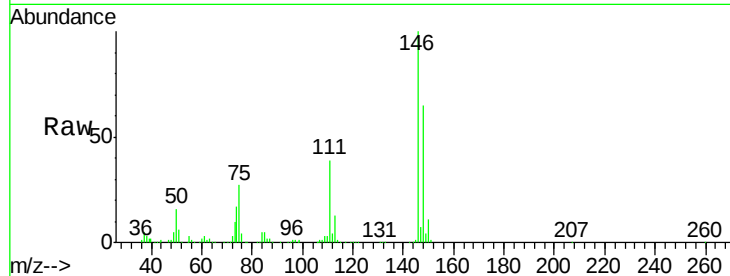
#91
 1,2-Dichlorobenzene
 Concen: 51.965 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.4	58.2
148	64.2	31.6	95.0

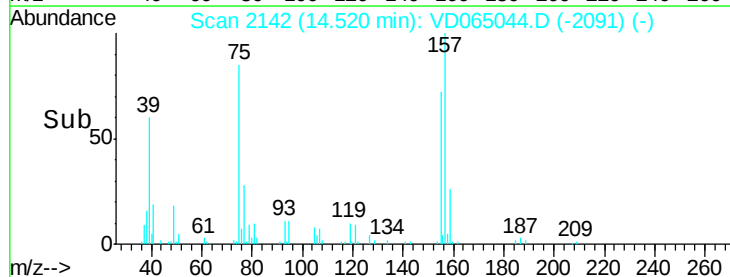
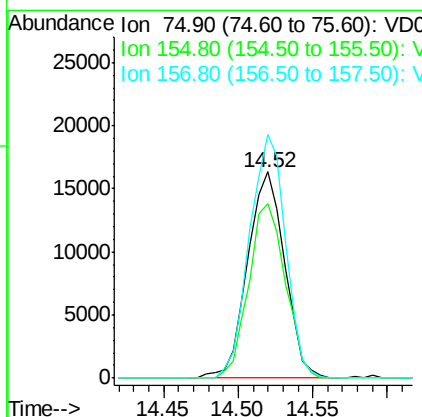
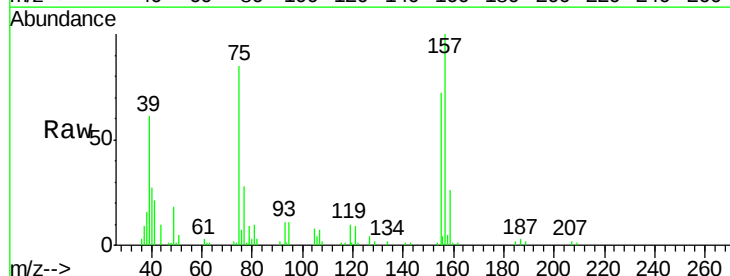
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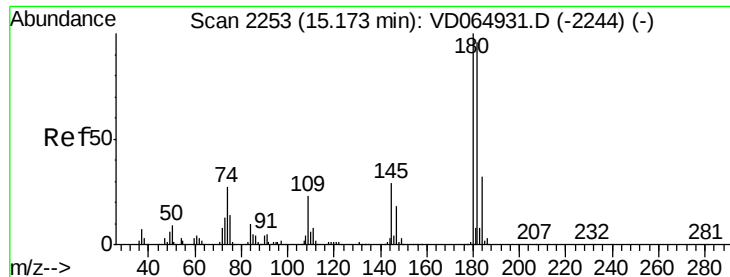
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.758 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.8	44.9	134.7
157	114.5	58.9	176.6





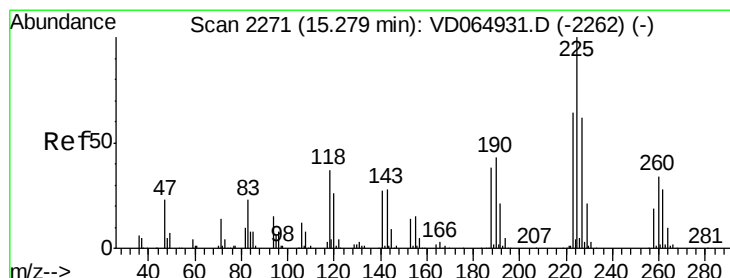
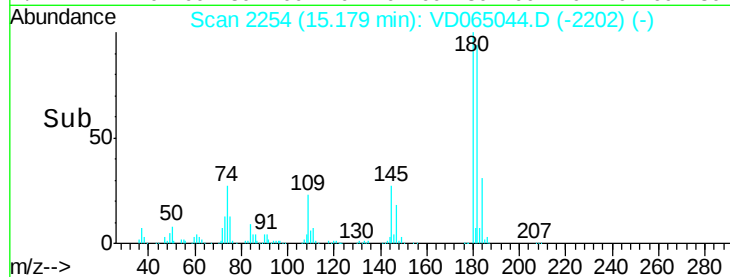
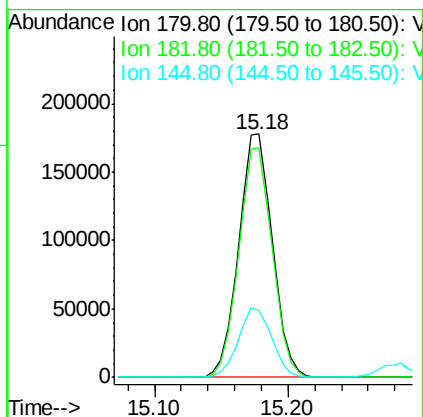
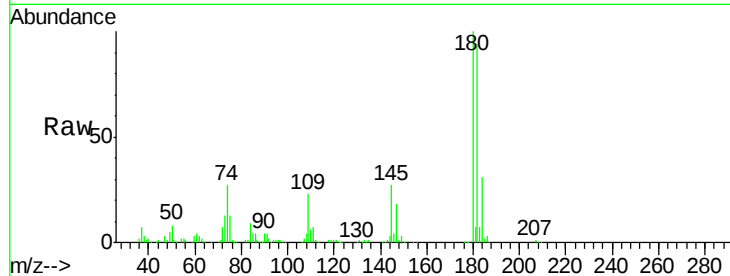
#93
 1,2,4-Trichlorobenzene
 Concen: 52.733 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	310622		
182	93.6	47.1	141.4	
145	28.2	14.1	42.3	

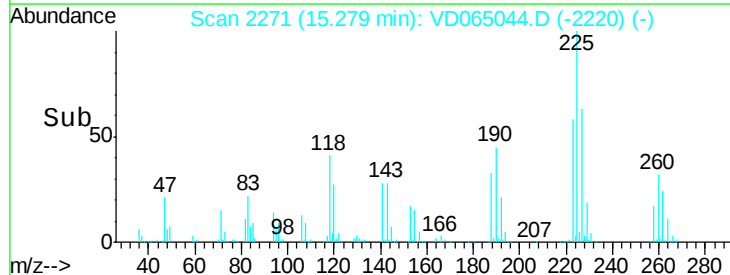
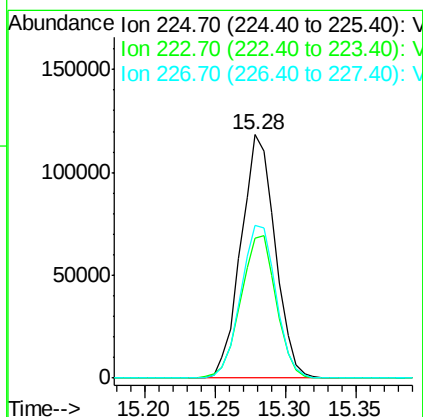
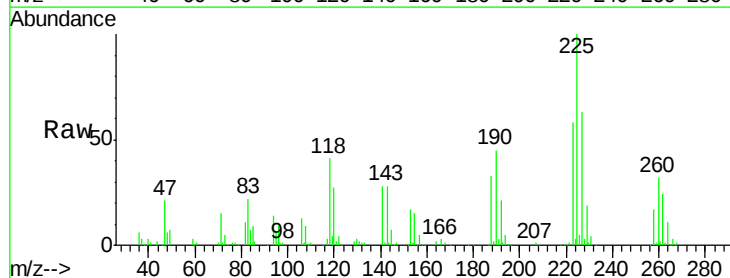
Manual Integrations
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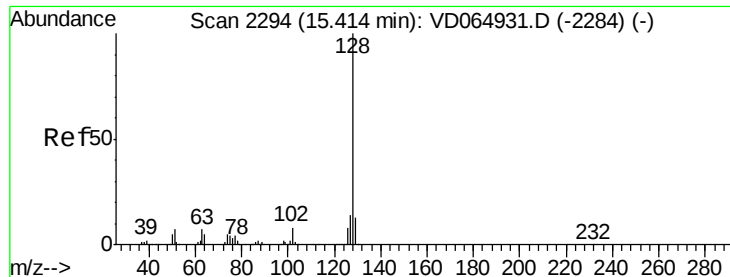
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#94
 Hexachlorobutadiene
 Concen: 53.753 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	200276		
223	60.8	32.4	97.2	
227	64.8	31.9	95.9	





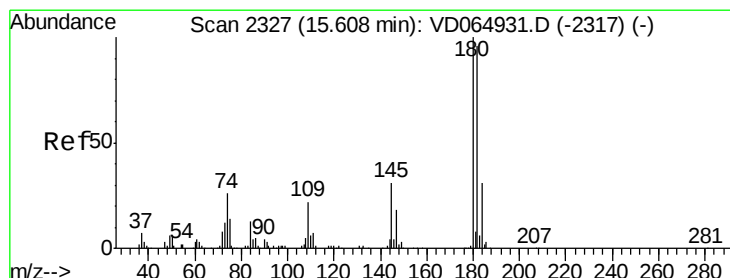
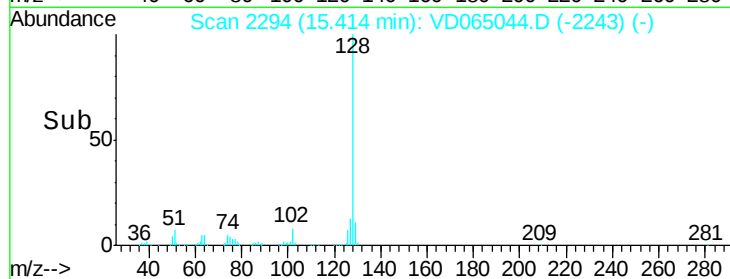
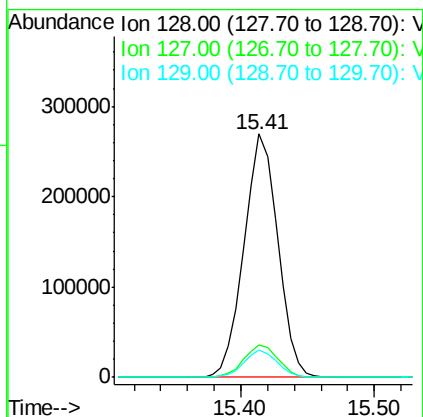
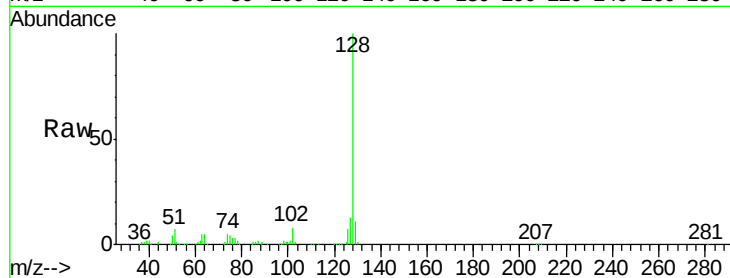
#95
Naphthalene
Concen: 49.724 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	11.1	9.3	13.9

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 51.756 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.3	141.8
145	29.6	14.6	43.8

