

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022520\
 Data File : VD065316.D
 Acq On : 25 Feb 2020 18:51
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/26/2020 10:25:43 AM

Quant Time: Feb 26 00:06:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	450426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	662687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	609370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	305702	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	206691	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
35) Dibromofluoromethane	7.92	113	217507	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
50) Toluene-d8	10.34	98	844918	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
62) 4-Bromofluorobenzene	12.64	95	271120	55.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	197375	52.245	ug/l	98
3) Chloromethane	2.21	50	234616	48.791	ug/l	97
4) Vinyl Chloride	2.35	62	236311	48.328	ug/l	99
5) Bromomethane	2.77	94	143815	48.645	ug/l	98
6) Chloroethane	2.93	64	147180	49.312	ug/l	99
7) Trichlorofluoromethane	3.27	101	350946	50.132	ug/l	96
8) Diethyl Ether	3.71	74	115204	54.518	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	224661	50.819	ug/l	99
10) Methyl Iodide	4.29	142	250762	54.631	ug/l	100
11) Tert butyl alcohol	5.24	59	63482	262.175	ug/l	97
12) 1,1-Dichloroethene	4.06	96	215414	51.582	ug/l	99
13) Acrolein	3.93	56	80140	272.873	ug/l	99
14) Allyl chloride	4.71	41	361083	53.244	ug/l	97
15) Acrylonitrile	5.43	53	255298	272.885	ug/l	99
16) Acetone	4.17	43	207539	209.524	ug/l	98
17) Carbon Disulfide	4.40	76	688620	49.184	ug/l	100
18) Methyl Acetate	4.73	43	116932	52.488	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	489268	56.182	ug/l	99
20) Methylene Chloride	4.97	84	250980	57.619	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	251951	53.070	ug/l	96
22) Diisopropyl ether	6.37	45	736422	56.329	ug/l	99
23) Vinyl Acetate	6.31	43	2054190	285.013	ug/l	100
24) 1,1-Dichloroethane	6.27	63	431223	53.178	ug/l	99
25) 2-Butanone	7.22	43	306583	244.634	ug/l	100
26) 2,2-Dichloropropane	7.21	77	354320	50.361	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	275538	54.792	ug/l	97
28) Bromochloromethane	7.56	49	171385	56.969	ug/l	99
29) Tetrahydrofuran	7.57	42	204930	279.083	ug/l	98
30) Chloroform	7.71	83	431083	52.767	ug/l	100
31) Cyclohexane	7.98	56	389221	48.852	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	377120	51.593	ug/l	99
36) 1,1-Dichloropropene	8.11	75	339511	52.654	ug/l	99
37) Ethyl Acetate	7.30	43	144871	53.745	ug/l	99
38) Carbon Tetrachloride	8.10	117	341344	52.003	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	408262	53.857	ug/l	97
40) Benzene	8.36	78	993954	54.613	ug/l	100
41) Methacrylonitrile	7.53	41	76688	49.273	ug/l	96
42) 1,2-Dichloroethane	8.43	62	265280	53.019	ug/l	99
43) Isopropyl Acetate	8.46	43	269092	54.897	ug/l	100
44) Trichloroethene	9.11	130	271959	53.907	ug/l	99
45) 1,2-Dichloropropane	9.40	63	253105	55.928	ug/l	100
46) Dibromomethane	9.48	93	129033	55.415	ug/l	98
47) Bromodichloromethane	9.67	83	333144	54.290	ug/l	99
48) Methyl methacrylate	9.46	41	127987	56.488	ug/l	97
49) 1,4-Dioxane	9.47	88	30599	1120.438	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	701933	281.938	ug/l	99
52) Toluene	10.41	92	638670	56.693	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	316515	55.647	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	386223	56.232	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	181119	55.263	ug/l	97
56) Ethyl methacrylate	10.67	69	225204	59.533	ug/l	98
57) 1,3-Dichloropropane	10.96	76	309560	55.496	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	308174	258.402	ug/l	99
59) 2-Hexanone	10.99	43	484696	271.963	ug/l	97
60) Dibromochloromethane	11.15	129	234380	55.874	ug/l	100
61) 1,2-Dibromoethane	11.25	107	173098	55.783	ug/l	100
64) Tetrachloroethene	10.88	164	228574	52.888	ug/l	96
65) Chlorobenzene	11.68	112	664527	54.342	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	248324	54.417	ug/l	99
67) Ethyl Benzene	11.75	91	1187674	55.455	ug/l	100
68) m/p-Xylenes	11.86	106	919520	112.219	ug/l	98
69) o-Xylene	12.19	106	421554	58.070	ug/l	97
70) Styrene	12.20	104	733910	56.942	ug/l	99
71) Bromoform	12.37	173	138399	54.655	ug/l #	99
73) Isopropylbenzene	12.48	105	1120207	55.349	ug/l	99
74) N-amyl acetate	12.30	43	247423	55.017	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	192174	52.612	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	133786m	51.436	ug/l	
77) Bromobenzene	12.77	156	274660	54.651	ug/l	99
78) n-propylbenzene	12.83	91	1340158	55.102	ug/l	99
79) 2-Chlorotoluene	12.91	91	746150	54.763	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	926429	55.577	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	62195	51.630	ug/l	97
82) 4-Chlorotoluene	13.01	91	784202	54.214	ug/l	99
83) tert-Butylbenzene	13.23	119	773878	55.392	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	927357	55.581	ug/l	100
85) sec-Butylbenzene	13.41	105	1095806	54.432	ug/l	100
86) p-Isopropyltoluene	13.53	119	1016285	55.202	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	521693	53.696	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	511657	53.359	ug/l	100
89) n-Butylbenzene	13.86	91	940061	55.413	ug/l	99
90) Hexachloroethane	14.12	117	199199	53.289	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	449998	53.942	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	29999	53.294	ug/l	96

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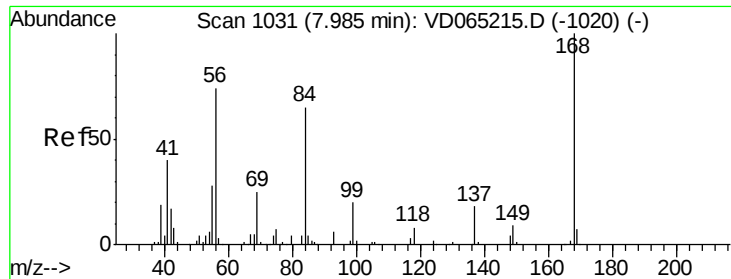
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	309115	56.648	ug/l	97
94) Hexachlorobutadiene	15.28	225	184812	52.797	ug/l	99
95) Naphthalene	15.41	128	526050	59.300	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	272876	57.257	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 450426

Ion Ratio Lower Upper

168 100

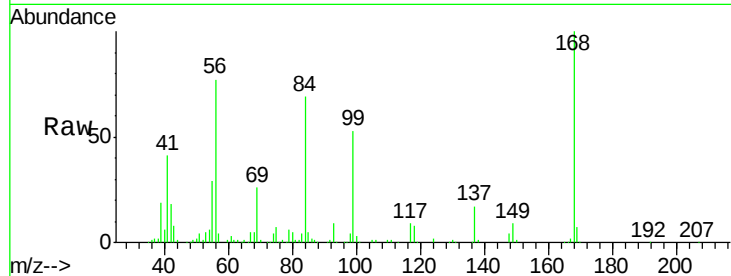
99 52.6 41.4 62.2

Manual Integrations

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2/26/2020 10:25:43 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

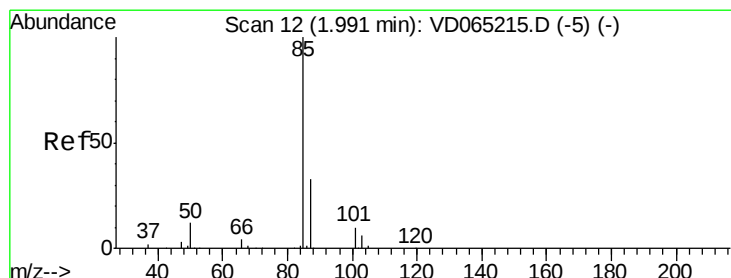
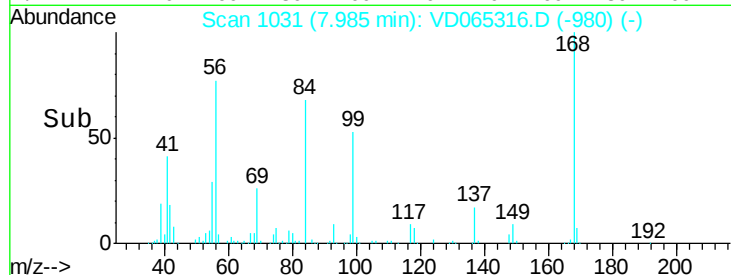
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 52.245 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065316.D

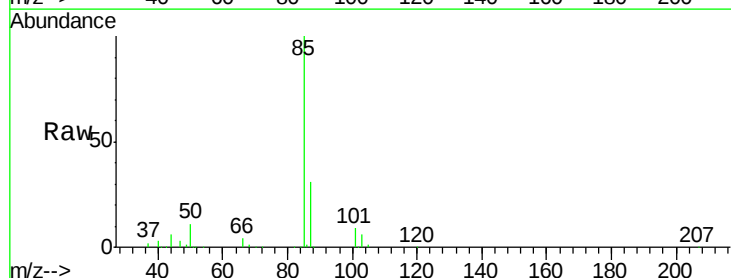
Acq: 25 Feb 2020 18:51

Tgt Ion: 85 Resp: 197375

Ion Ratio Lower Upper

85 100

87 31.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

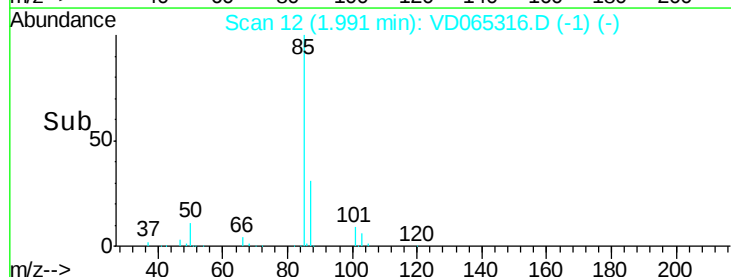
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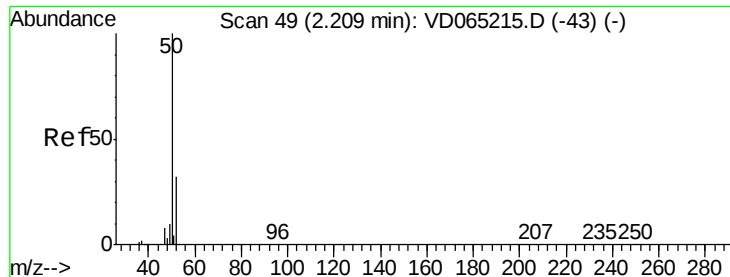
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 48.791 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 234616

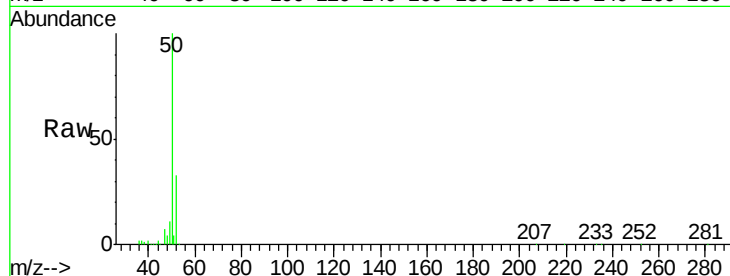
Ion Ratio Lower Upper

50 100

52 33.5 25.5 38.3

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

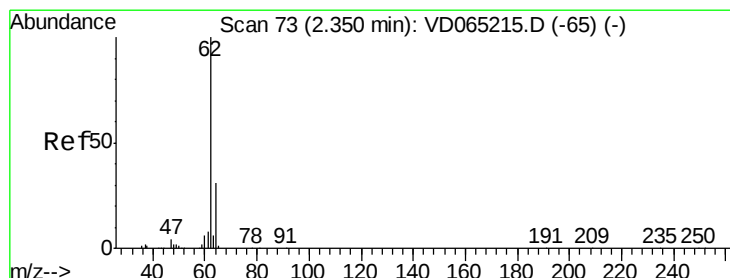
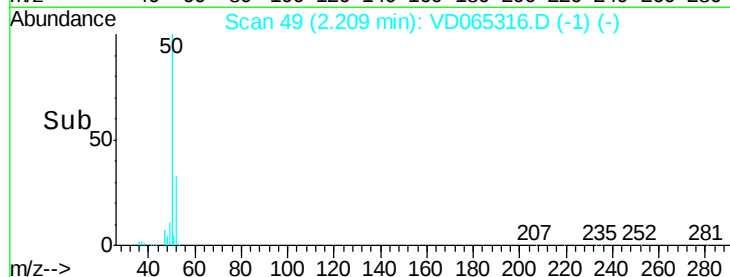
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 48.328 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065316.D

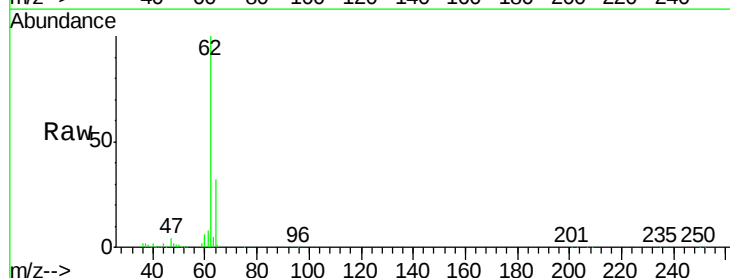
Acq: 25 Feb 2020 18:51

Tgt Ion: 62 Resp: 236311

Ion Ratio Lower Upper

62 100

64 31.8 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

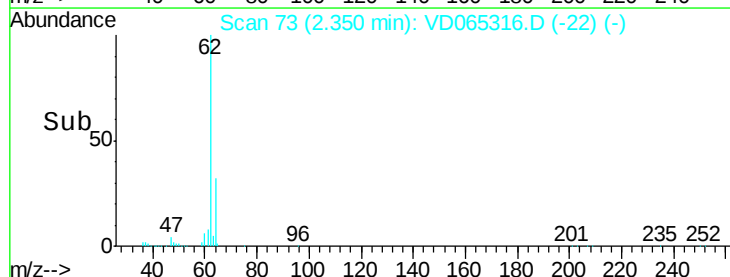
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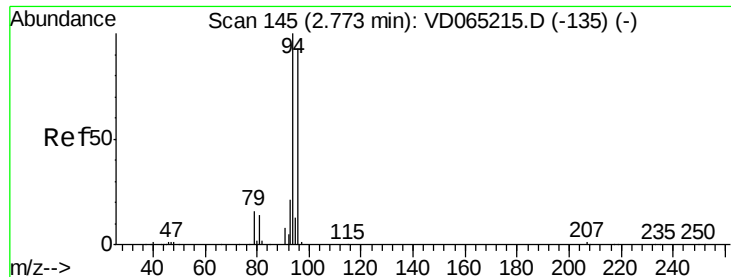
100000

50000

0

Time-->





#5

Bromomethane

Concen: 48.645 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 143815

Ion Ratio Lower Upper

94 100

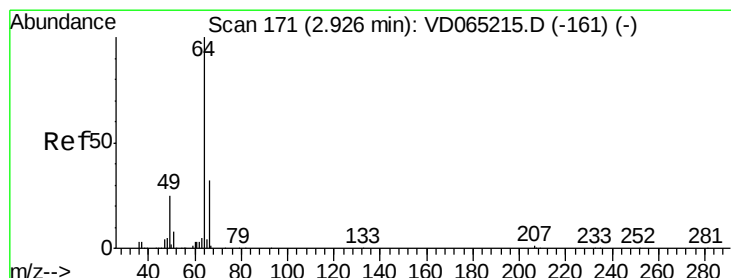
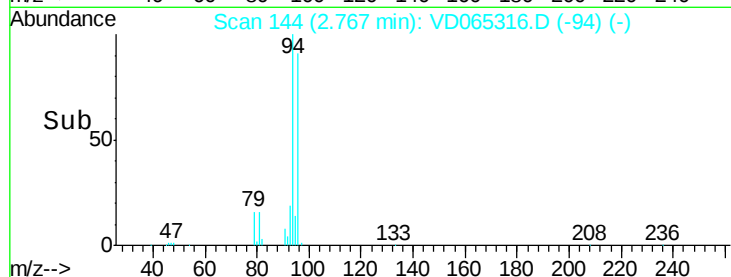
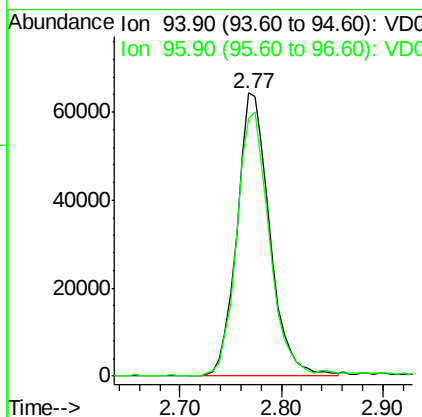
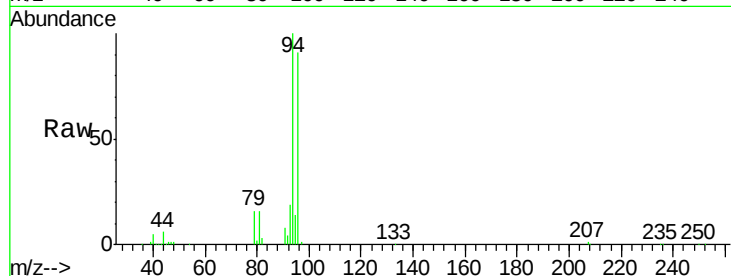
96 90.9 74.2 111.4

Manual Integrations

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#6

Chloroethane

Concen: 49.312 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065316.D

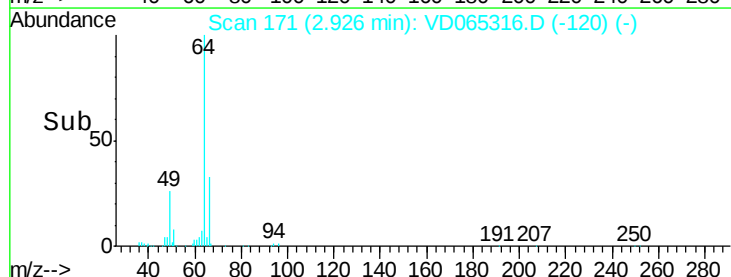
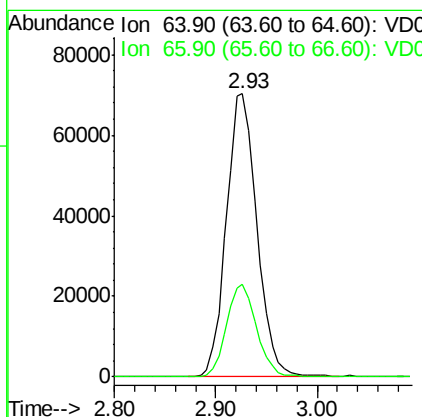
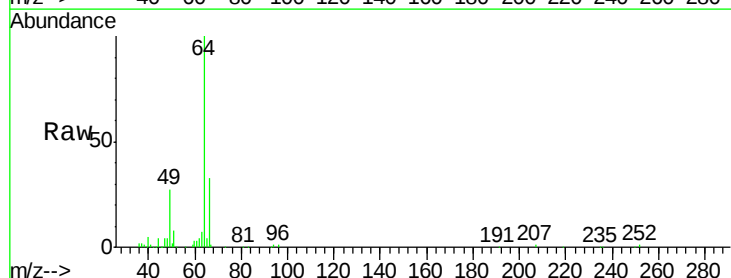
Acq: 25 Feb 2020 18:51

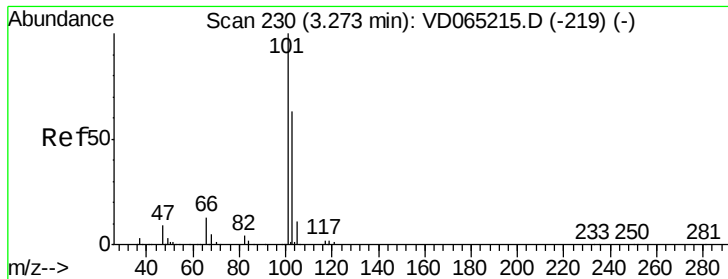
Tgt Ion: 64 Resp: 147180

Ion Ratio Lower Upper

64 100

66 32.7 25.7 38.5





#7

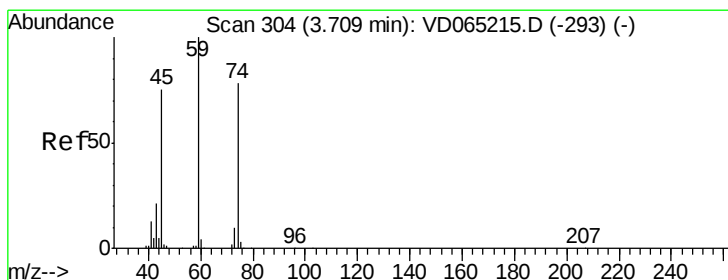
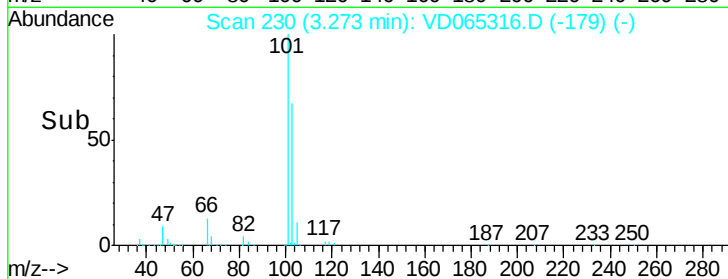
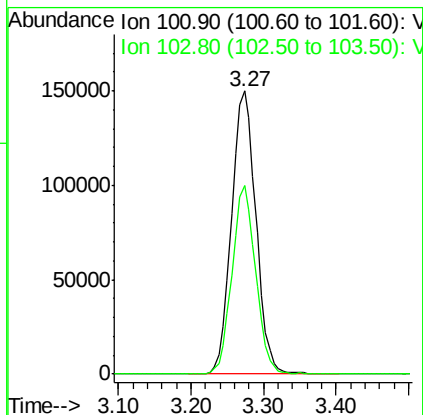
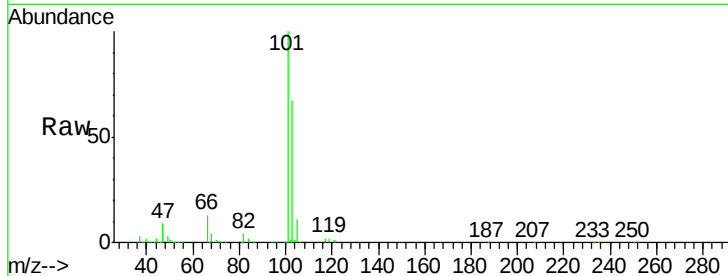
Trichlorofluoromethane
Concen: 50.132 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.9	50.7	76.1

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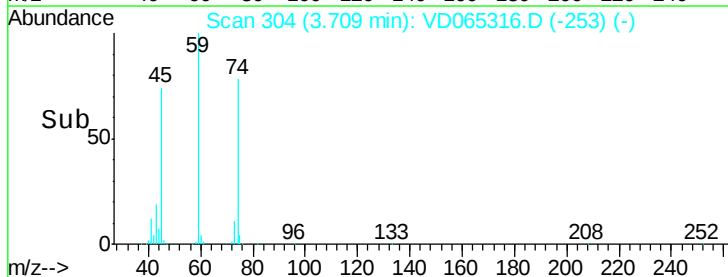
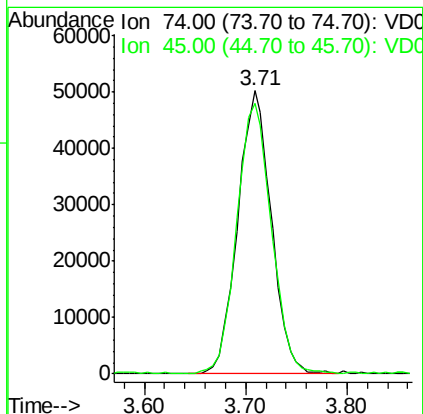
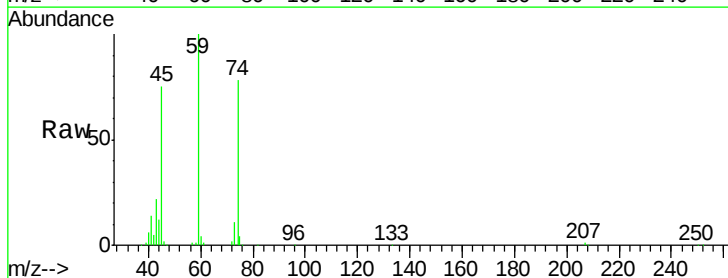
MMDadoda
2/26/2020 10:25:43 AM

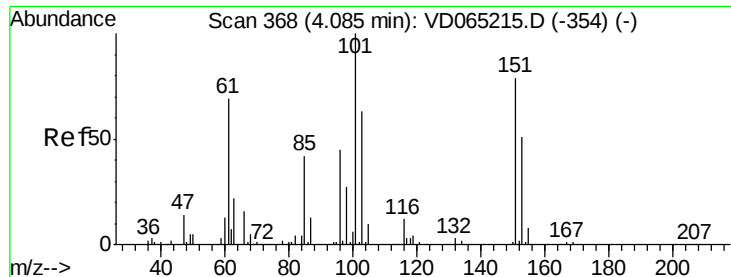


#8

Diethyl Ether
Concen: 54.518 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.1	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.819 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065316.D

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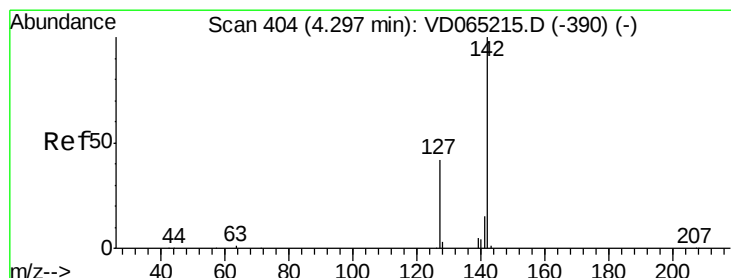
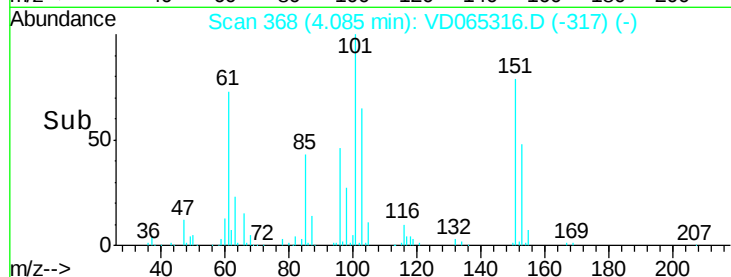
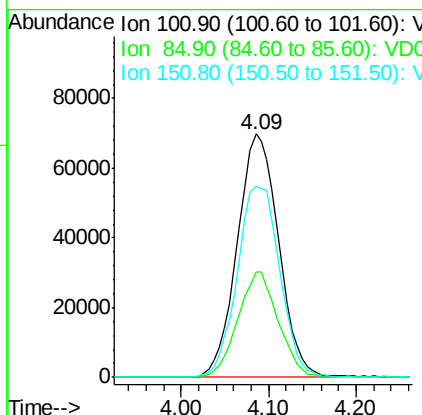
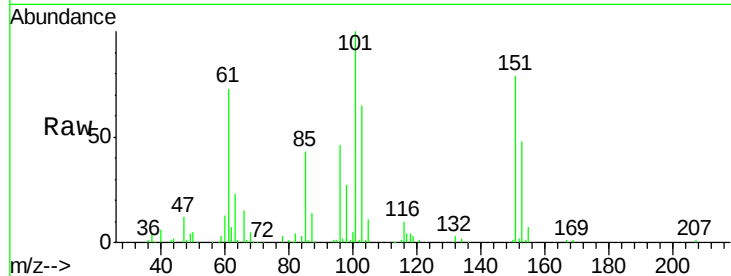
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	224661
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.2
151	81.0	63.5	95.3

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#10

Methyl Iodide

Concen: 54.631 ug/l

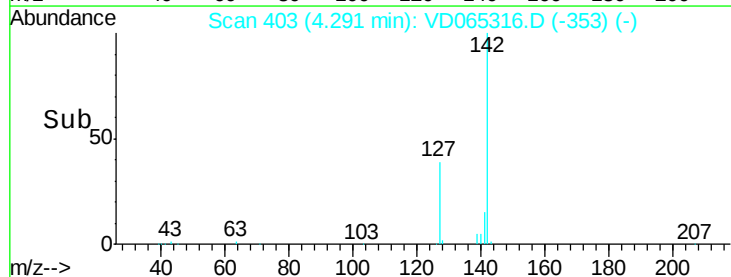
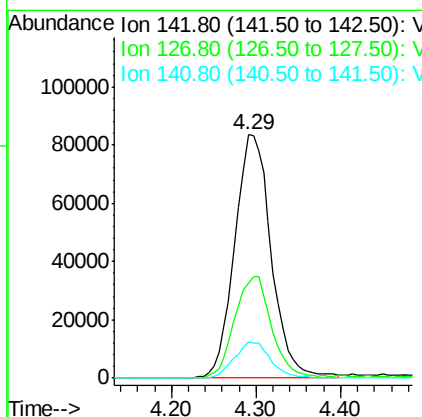
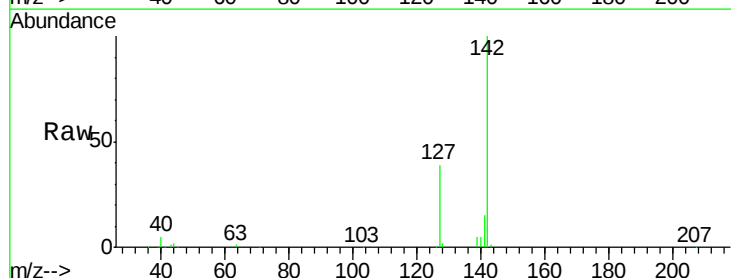
RT: 4.29 min Scan# 403

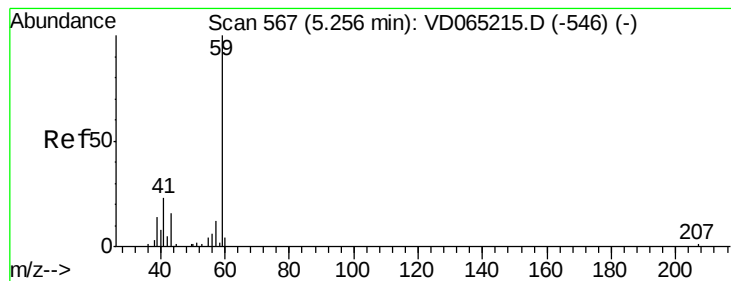
Delta R.T. -0.01 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Tgt Ion:	142	Resp:	250762
Ion Ratio	Lower	Upper	
142	100		
127	42.1	33.8	50.8
141	14.5	11.7	17.5





#11

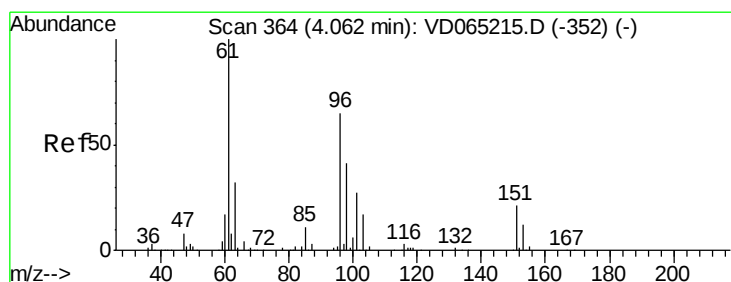
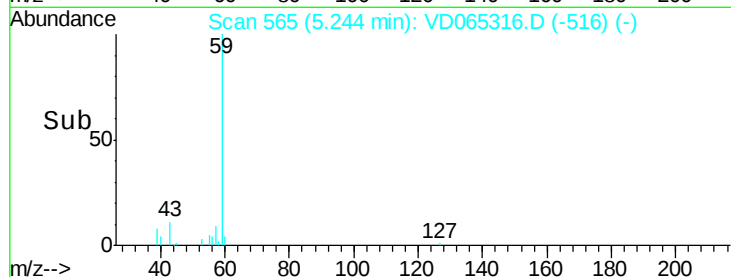
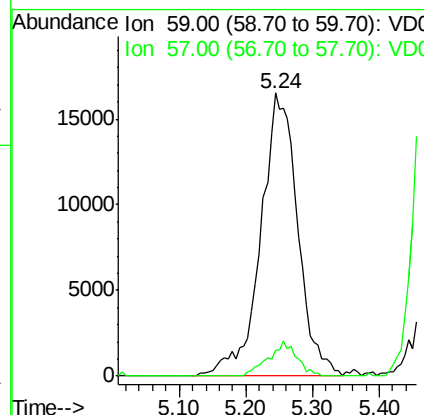
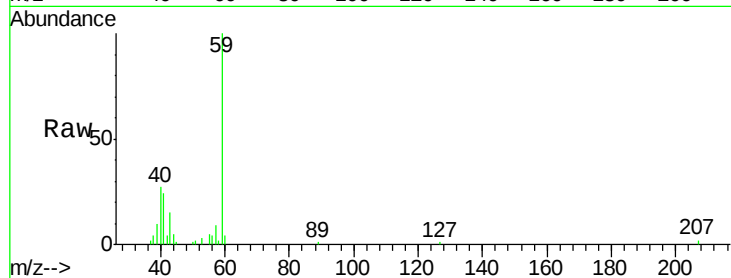
Tert butyl alcohol
Concen: 262.175 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.4	12.6

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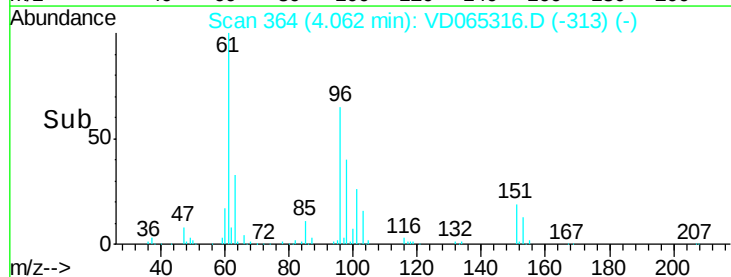
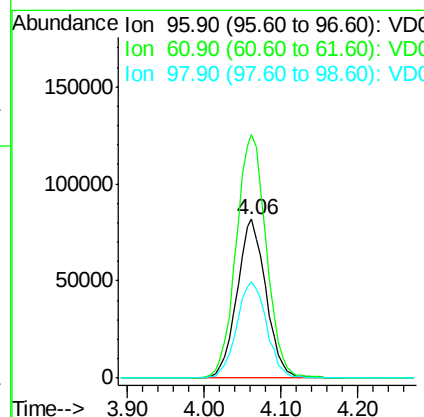
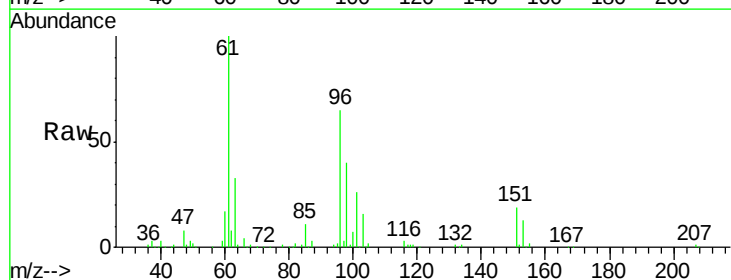
MMDadoda
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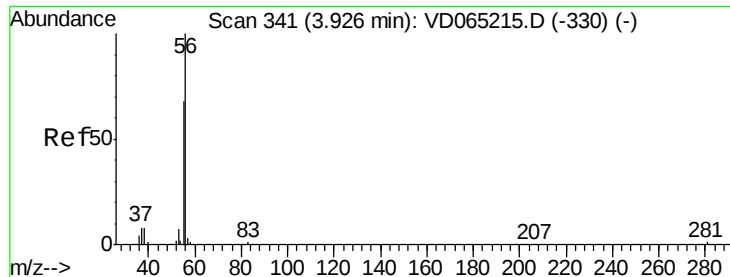


#12

1,1-Dichloroethene
Concen: 51.582 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.5	123.3	184.9
98	60.8	51.0	76.4





#13

Acrolein

Concen: 272.873 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 80140

Ion Ratio Lower Upper

56 100

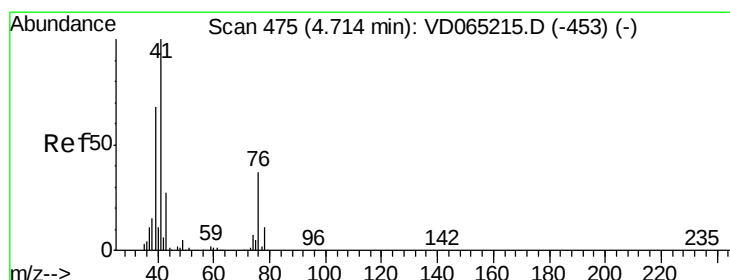
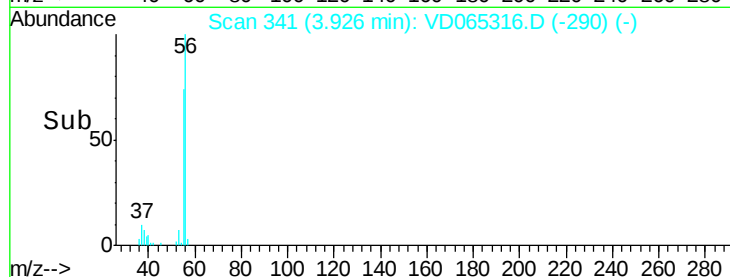
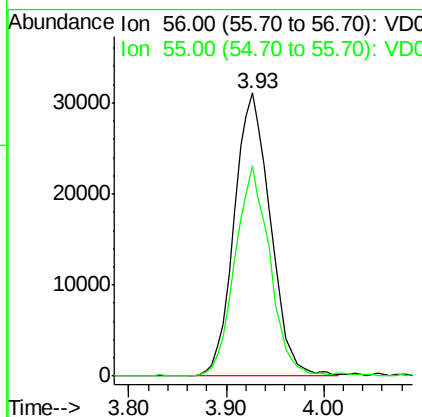
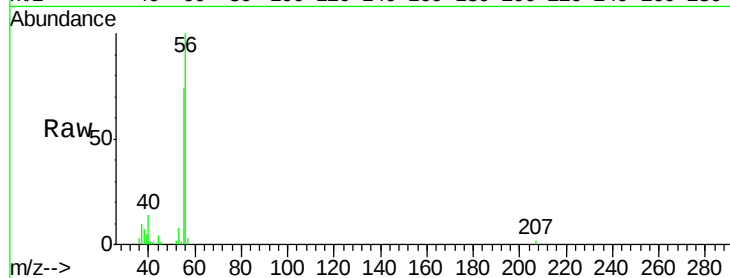
55 71.5 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 53.244 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

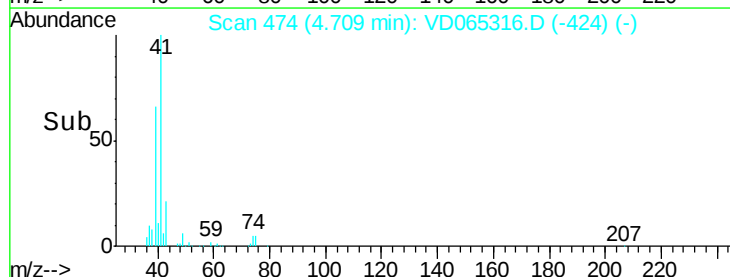
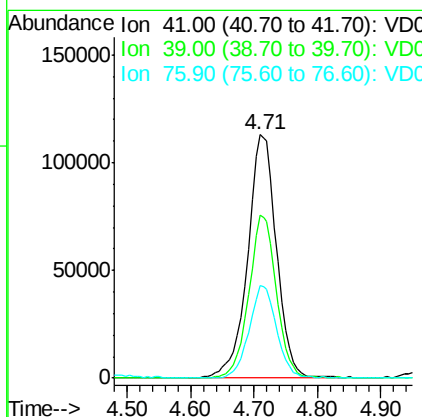
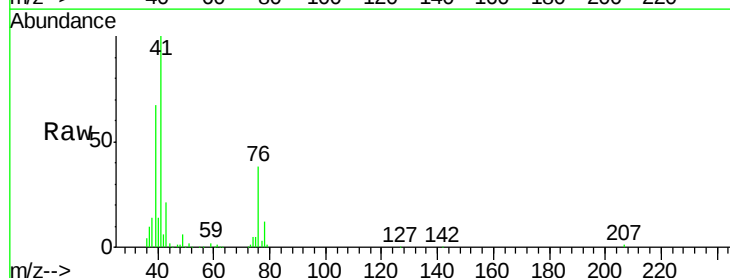
Tgt Ion: 41 Resp: 361083

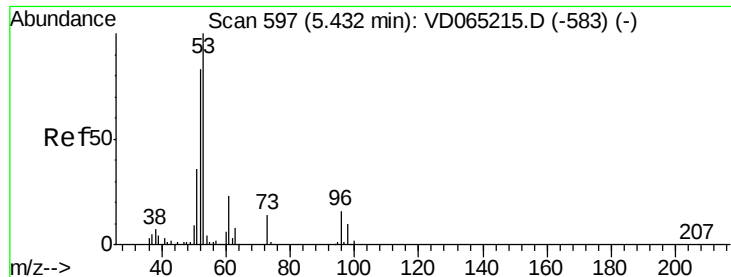
Ion Ratio Lower Upper

41 100

39 63.9 53.8 80.6

76 35.7 28.7 43.1





#15

Acrylonitrile

Concen: 272.885 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Instrument :

MSVOA_D

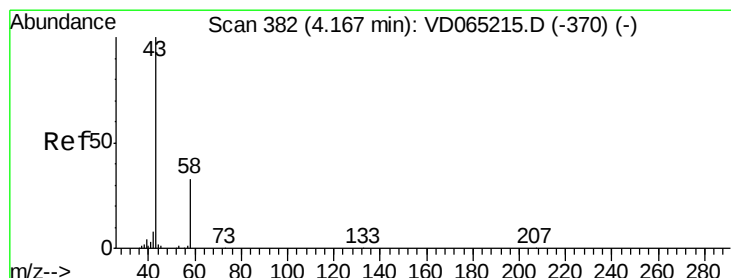
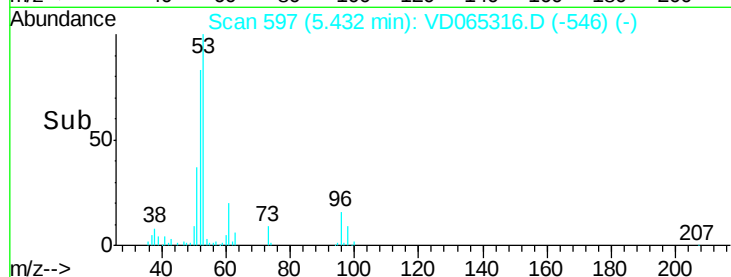
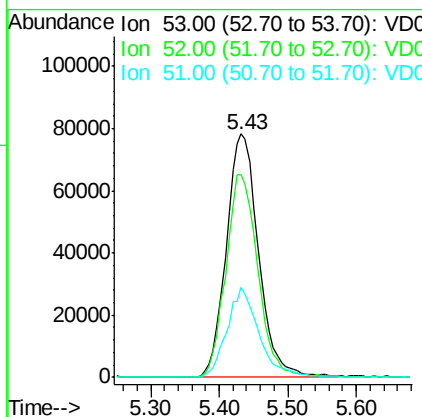
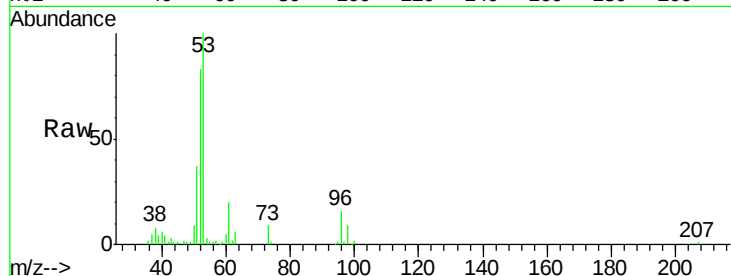
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	255298
Ion Ratio	Lower	Upper	
53	100		
52	82.2	65.4	98.2
51	36.5	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 209.524 ug/l

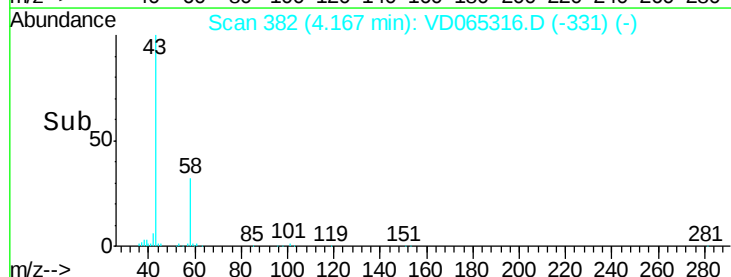
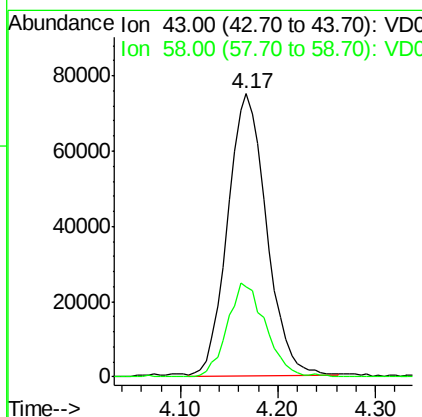
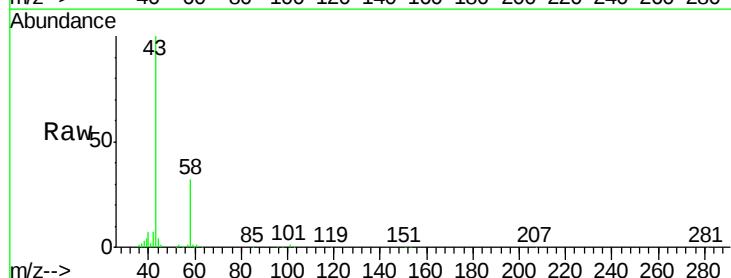
RT: 4.17 min Scan# 382

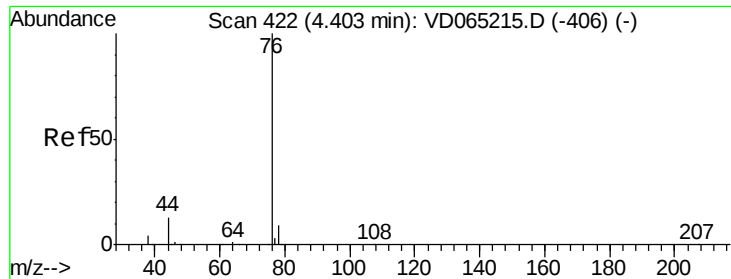
Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Tgt Ion	43	Resp	207539
Ion Ratio	Lower	Upper	
43	100		
58	31.6	26.2	39.2





#17

Carbon Disulfide

Concen: 49.184 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 688620

Ion Ratio Lower Upper

76 100

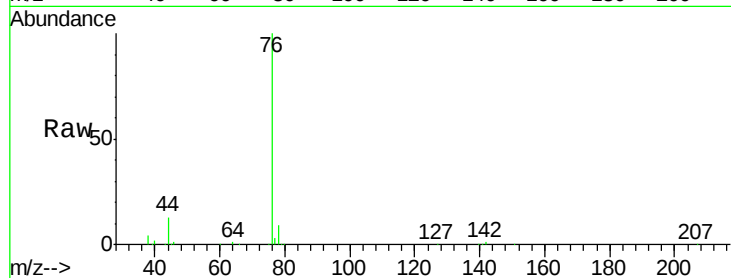
78 9.0 7.0 10.6

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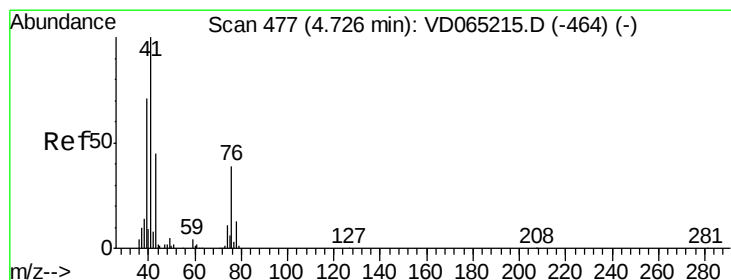
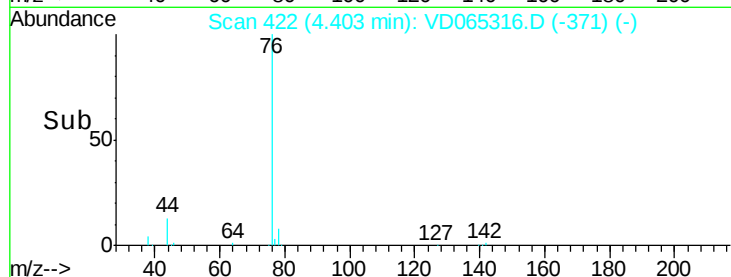
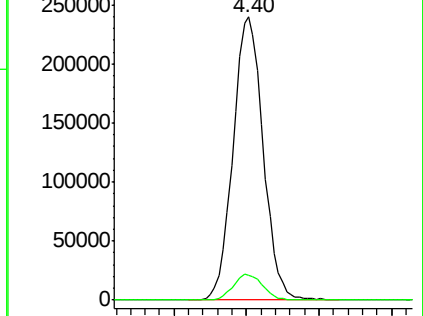
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 52.488 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065316.D

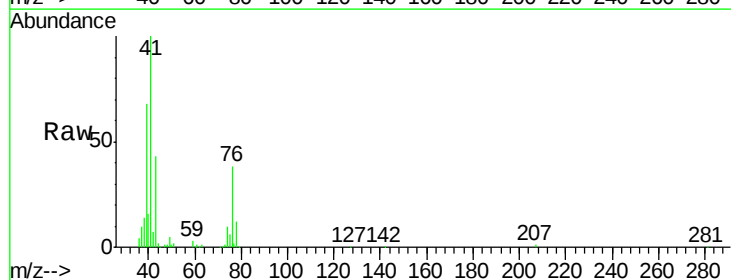
Acq: 25 Feb 2020 18:51

Tgt Ion: 43 Resp: 116932

Ion Ratio Lower Upper

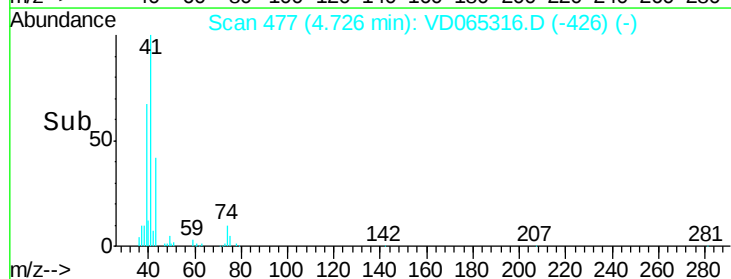
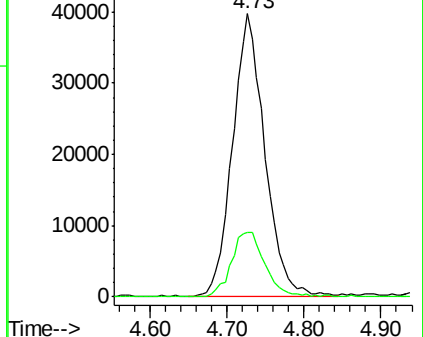
43 100

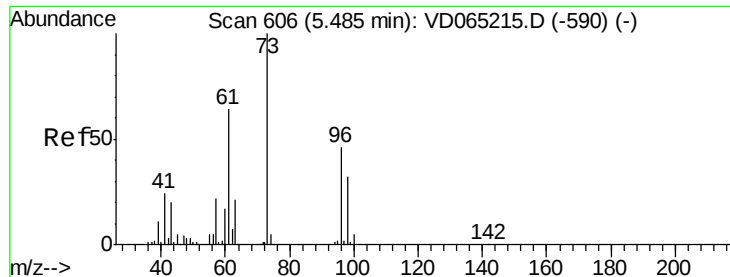
74 23.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





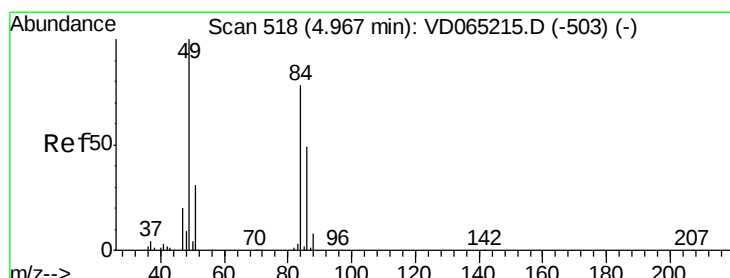
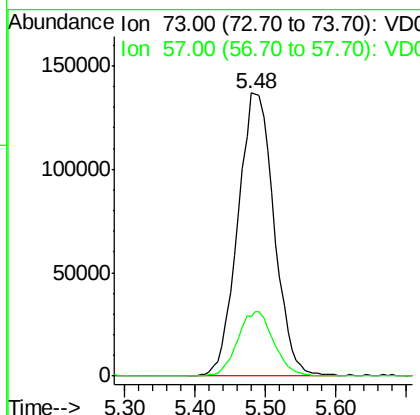
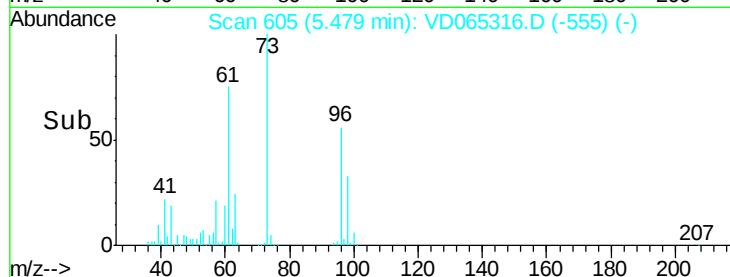
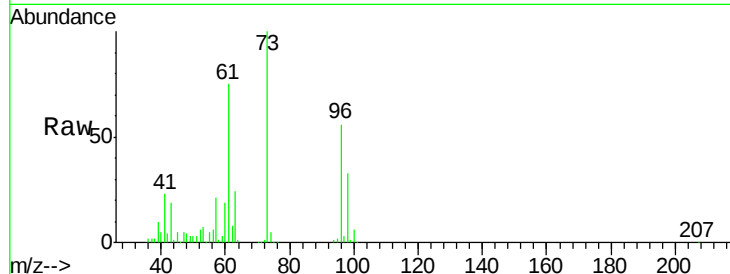
#19
Methvl tert-butvl Ether
Concen: 56.182 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 489268
Ion Ratio Lower Upper
73 100
57 21.0 17.3 25.9

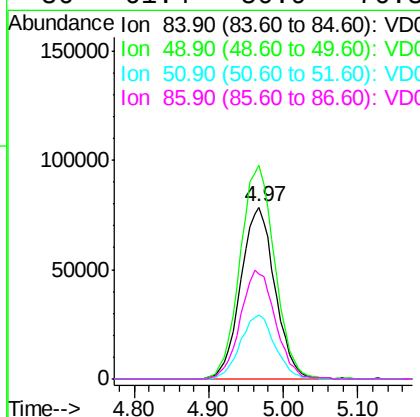
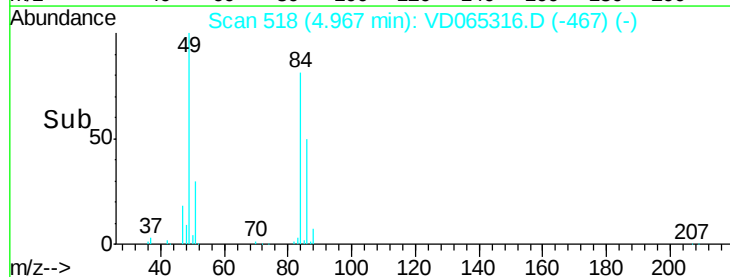
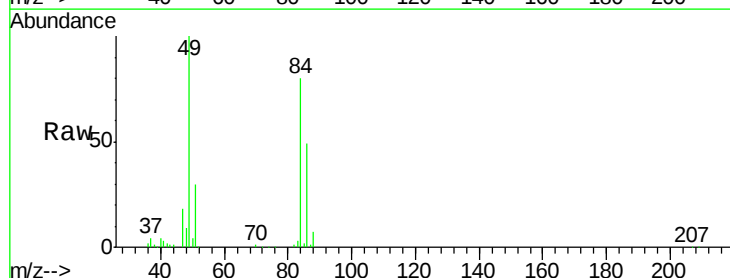
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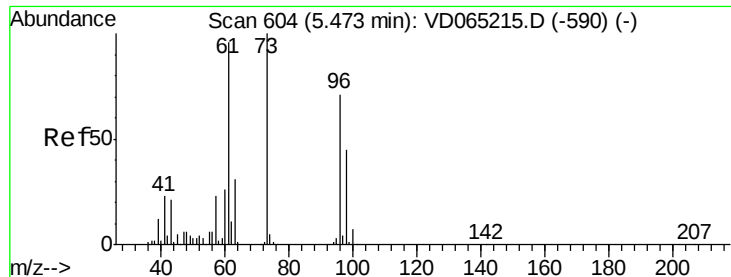
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#20
Methylene Chloride
Concen: 57.619 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Tgt Ion: 84 Resp: 250980
Ion Ratio Lower Upper
84 100
49 124.4 103.1 154.7
51 37.6 31.7 47.5
86 61.4 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 53.070 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Instrument :

MSVOA_D

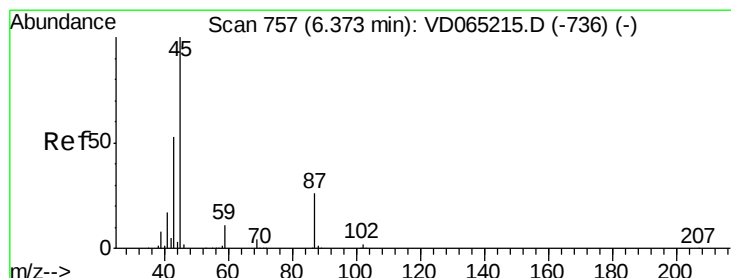
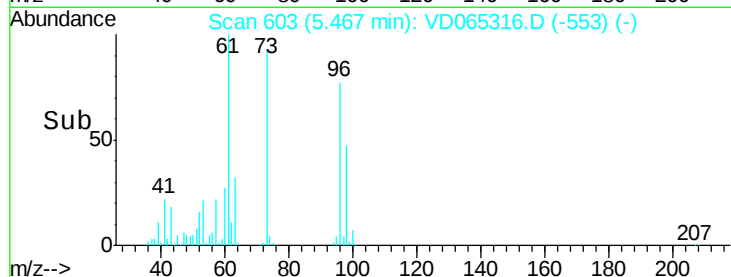
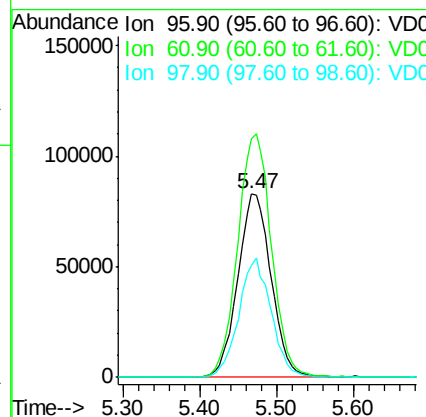
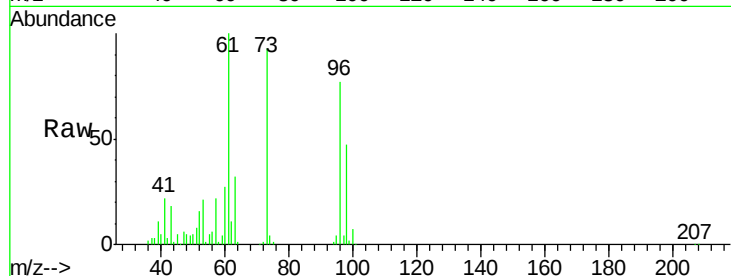
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	251951
Ion	Ratio	Lower	Upper
96	100		
61	130.1	108.3	162.5
98	60.9	50.7	76.1

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#22

Diisopropyl ether

Concen: 56.329 ug/l

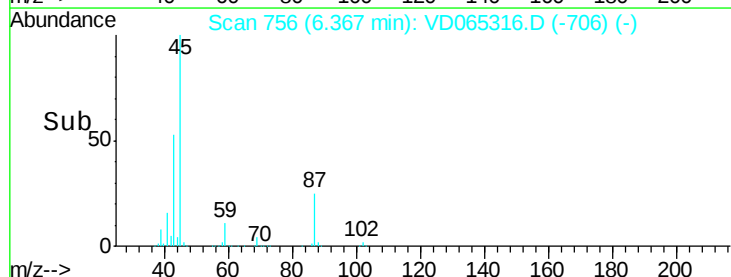
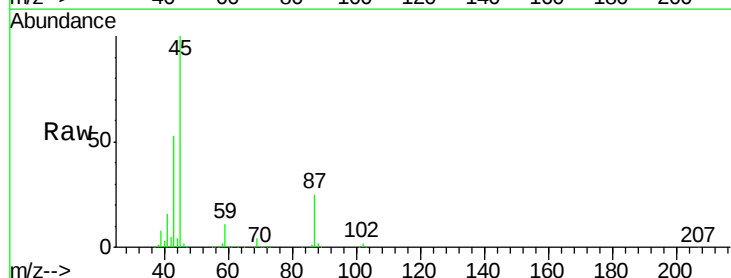
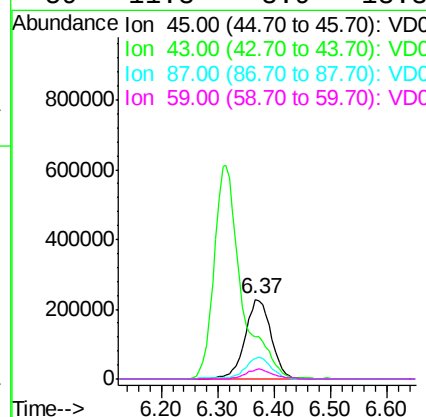
RT: 6.37 min Scan# 756

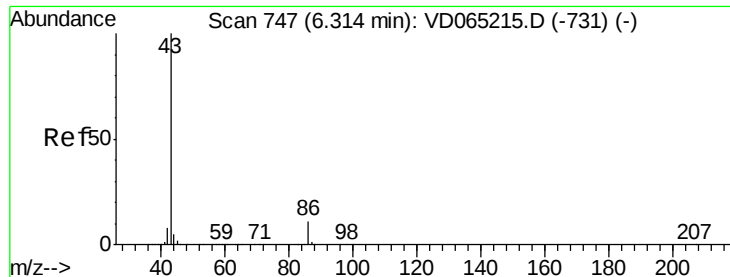
Delta R.T. -0.01 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Tgt Ion:	45	Resp:	736422
Ion	Ratio	Lower	Upper
45	100		
43	52.6	42.6	64.0
87	25.1	21.2	31.8
59	11.3	8.9	13.3





#23

Vinyl Acetate

Concen: 285.013 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2054190

Ion Ratio Lower Upper

43 100

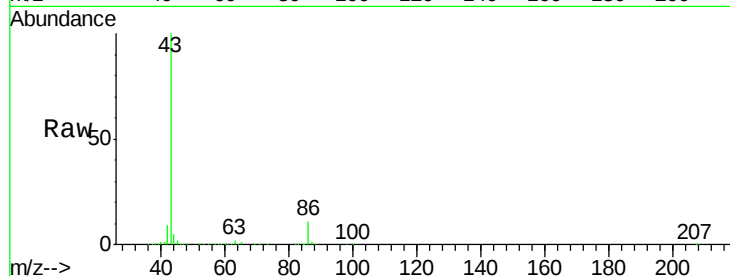
86 10.8 8.6 12.8

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

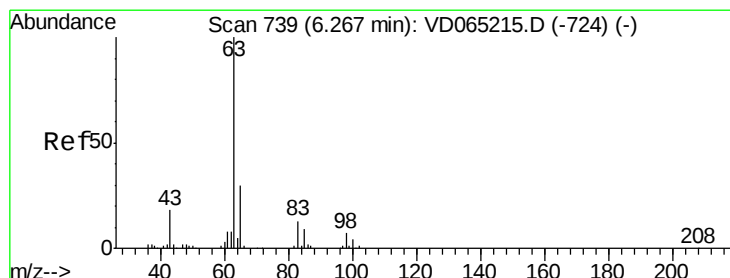
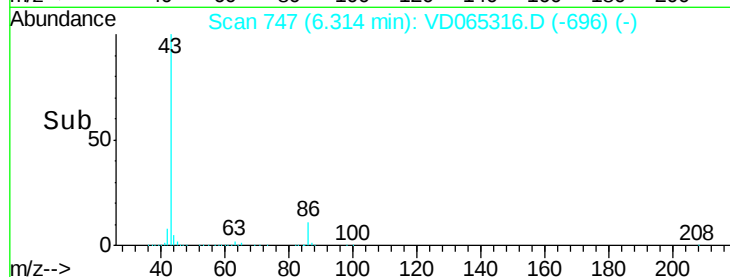
600000

400000

200000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 53.178 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

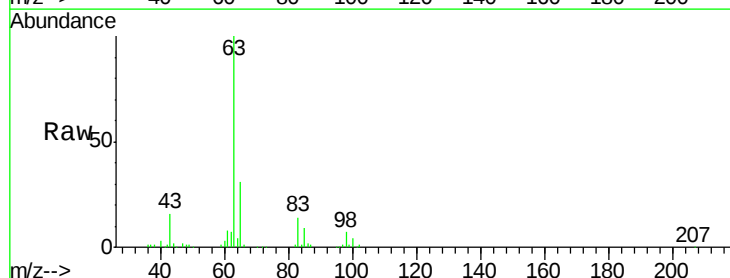
Tgt Ion: 63 Resp: 431223

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.1

100 4.4 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

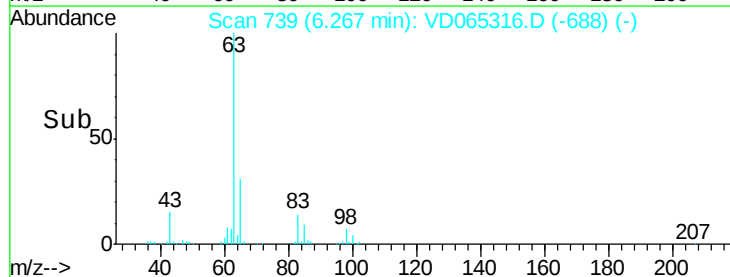
150000

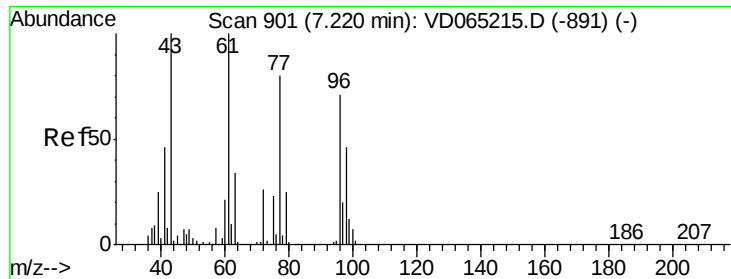
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 244.634 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 306583

Ion Ratio Lower Upper

43 100

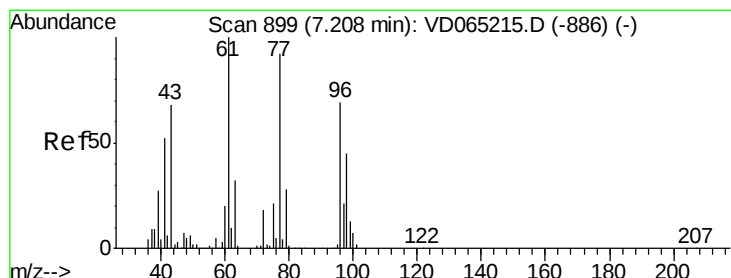
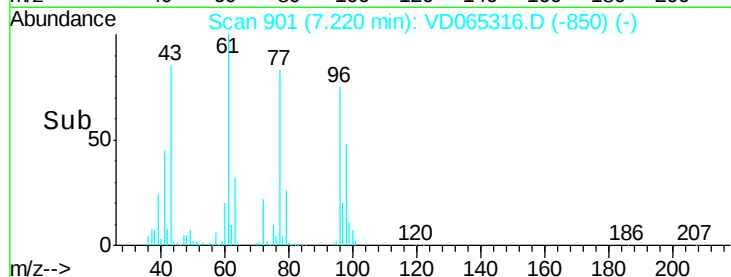
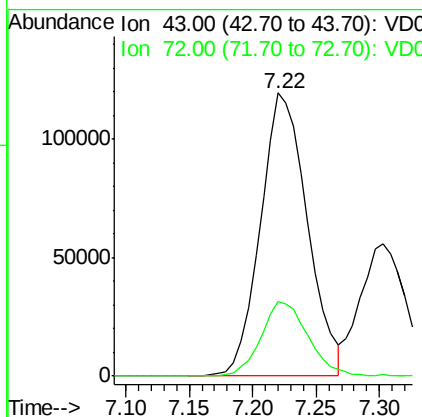
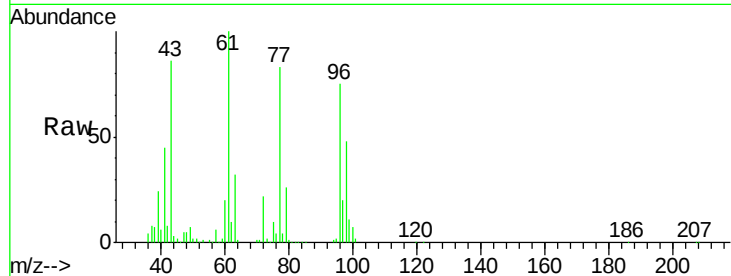
72 26.3 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.361 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065316.D

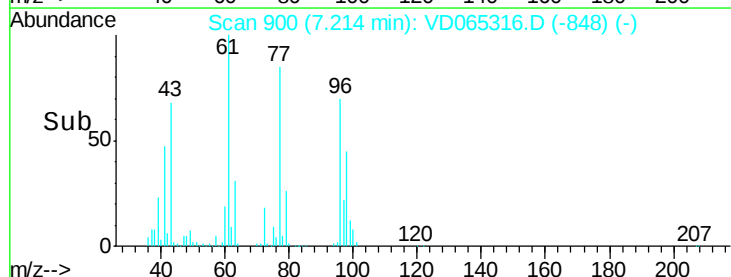
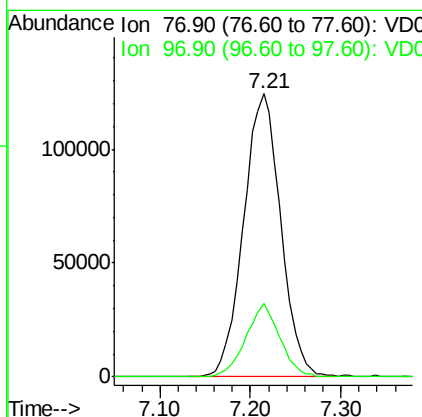
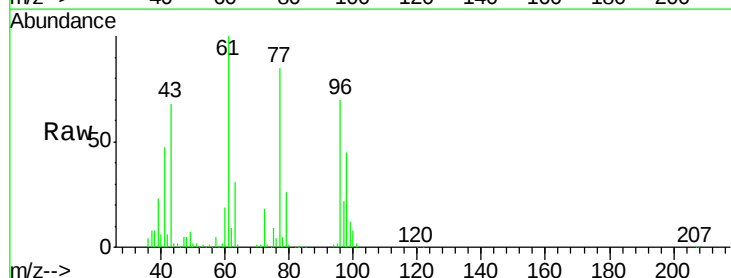
Acq: 25 Feb 2020 18:51

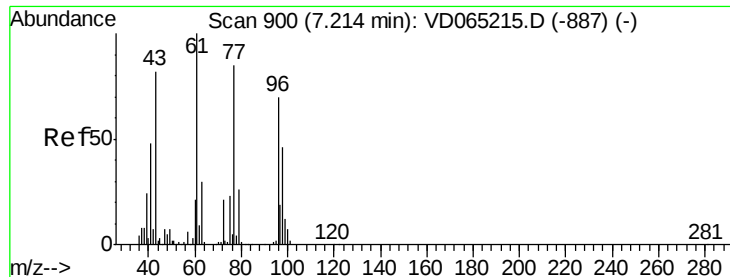
Tgt Ion: 77 Resp: 354320

Ion Ratio Lower Upper

77 100

97 23.7 11.7 35.1





#27

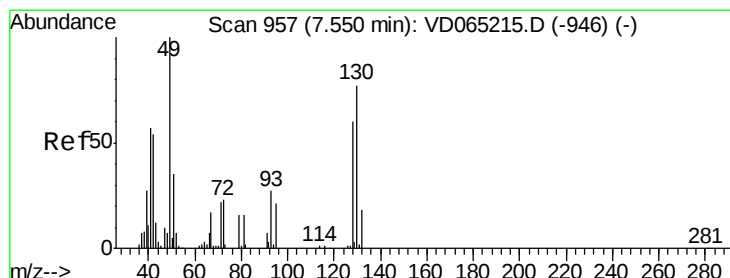
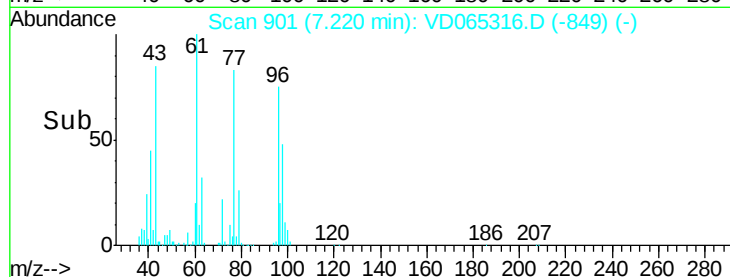
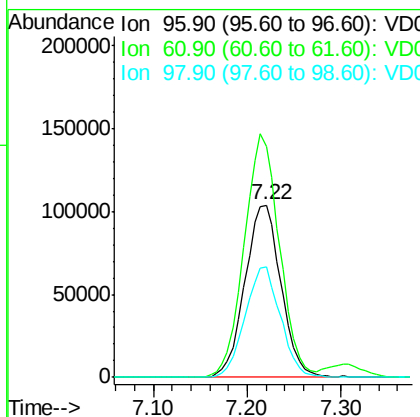
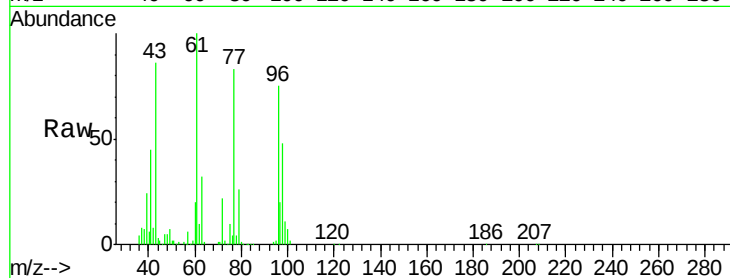
cis-1,2-Dichloroethene
Concen: 54.792 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	275538		
61	138.4	0.0	286.0	
98	63.1	0.0	127.8	

Manual Integrations
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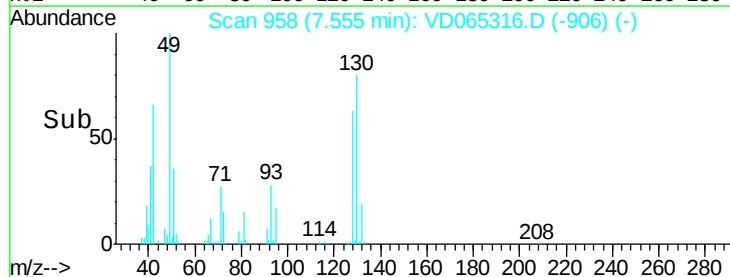
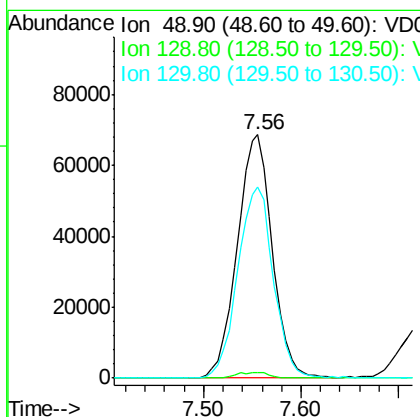
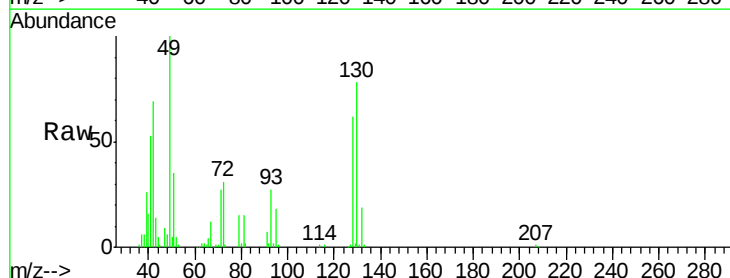
MMDadoda
2/26/2020 10:25:43 AM

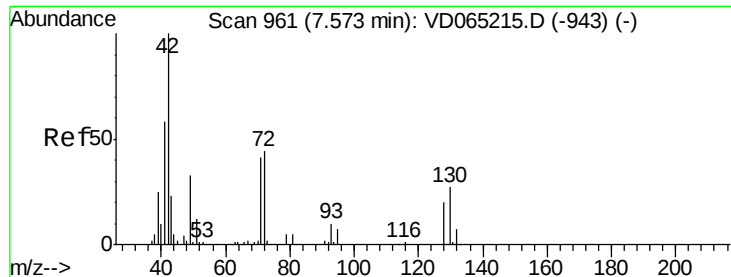


#28

Bromochloromethane
Concen: 56.969 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	171385		
129	2.1	0.0	4.6	
130	80.0	64.7	97.1	





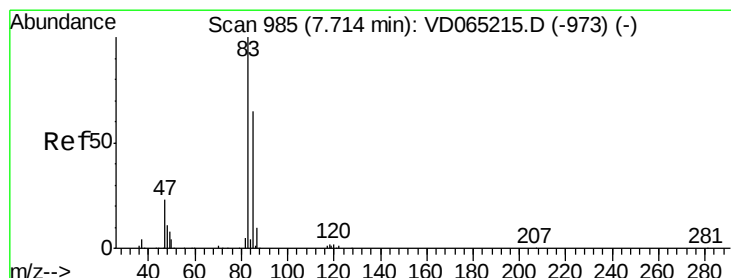
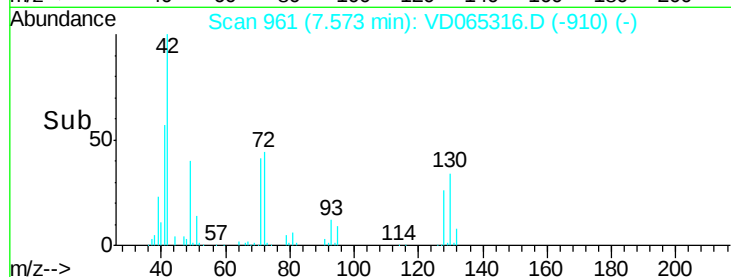
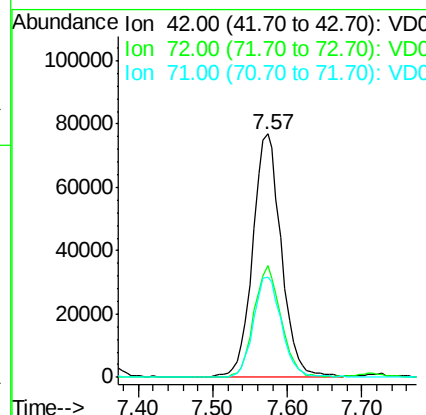
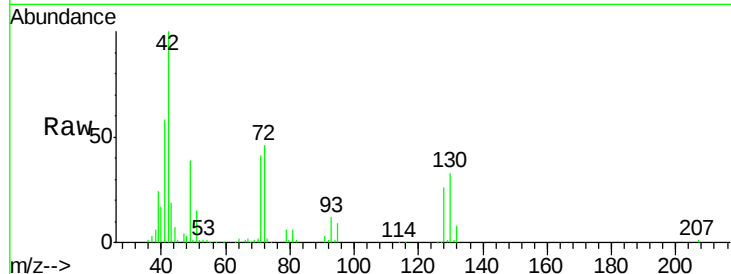
#29
Tetrahydrofuran
Concen: 279.083 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	33.7	50.5
71	40.6	31.4	47.2

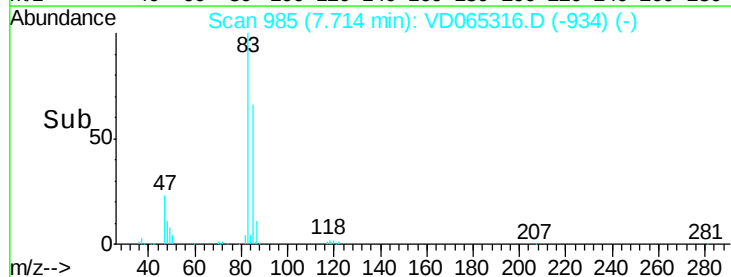
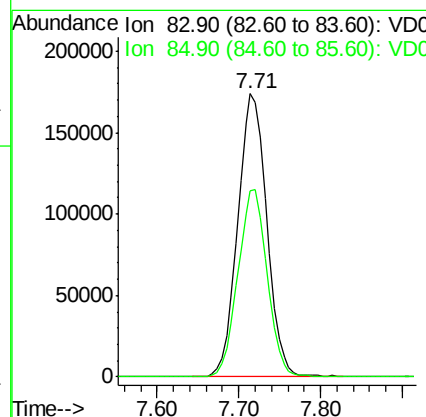
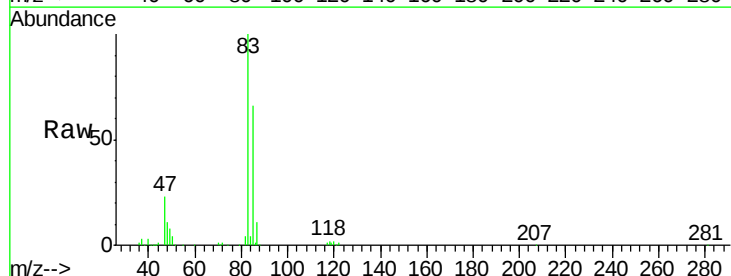
Manual Integrations
APPROVED

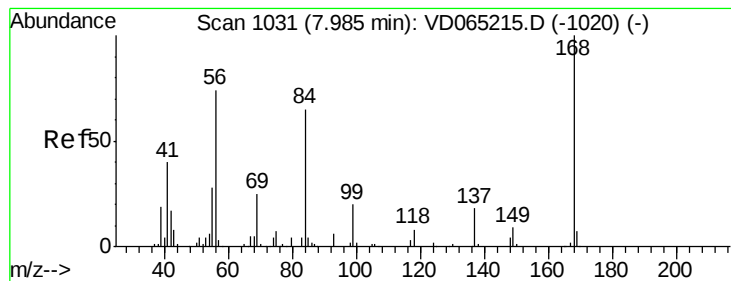
MMDadoda
2/26/2020 10:25:43 AM



#30
Chloroform
Concen: 52.767 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.3	78.5





#31

Cyclohexane

Concen: 48.852 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Instrument :

MSVOA_D

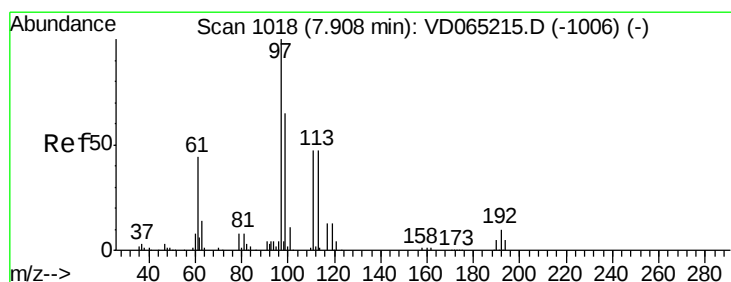
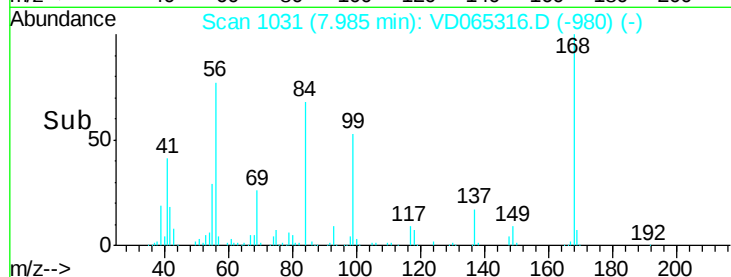
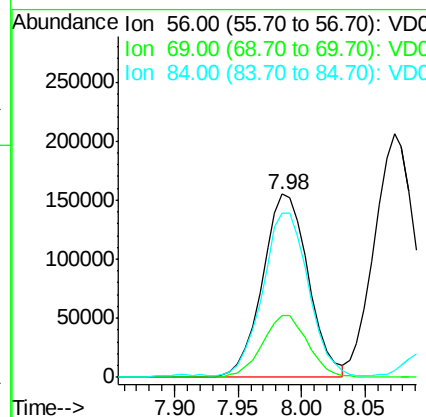
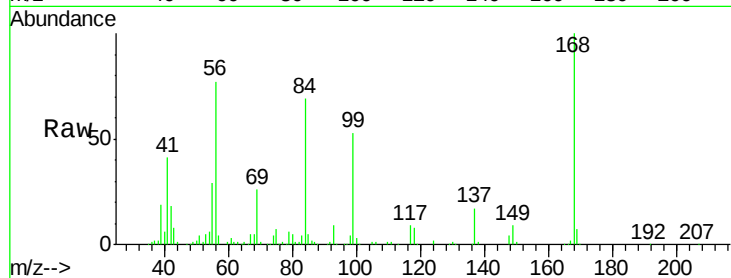
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	389221
Ion Ratio	Lower	Upper	
56	100		
69	33.6	27.4	41.0
84	88.5	71.1	106.7

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#32

1,1,1-Trichloroethane

Concen: 51.593 ug/l

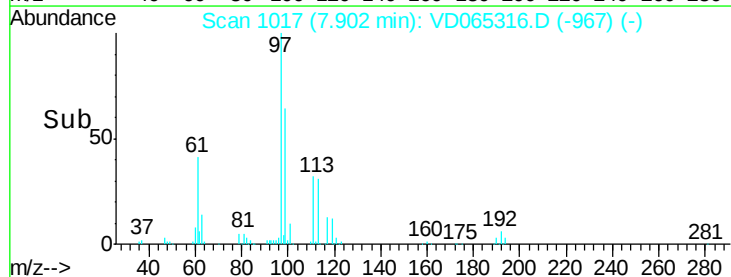
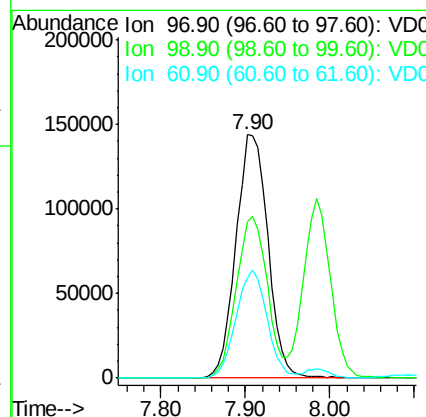
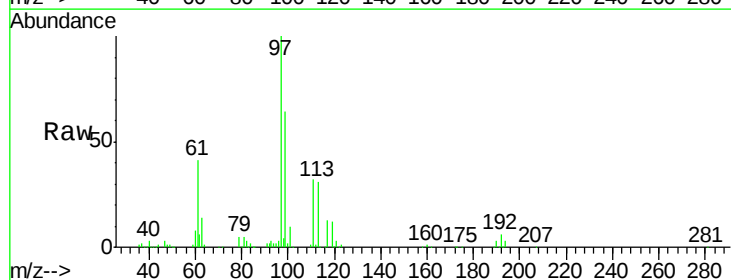
RT: 7.90 min Scan# 1017

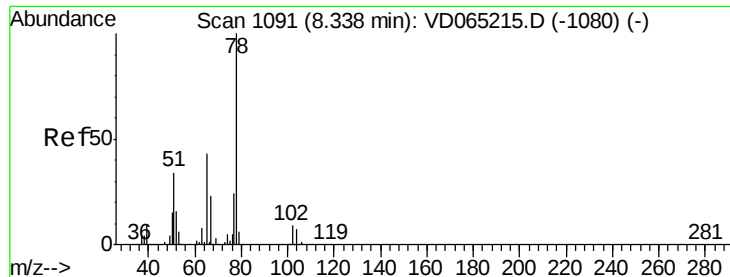
Delta R.T. -0.01 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Tgt Ion:	97	Resp:	377120
Ion Ratio	Lower	Upper	
97	100		
99	65.0	51.4	77.2
61	42.9	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 51.009 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 206691

Ion Ratio Lower Upper

65 100

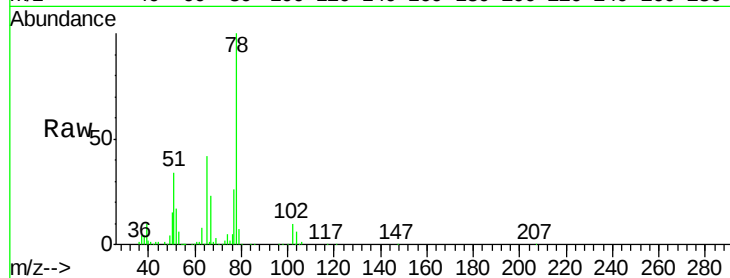
67 53.2 0.0 106.8

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

100000

80000

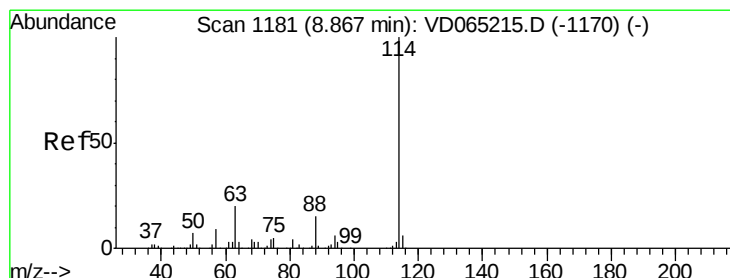
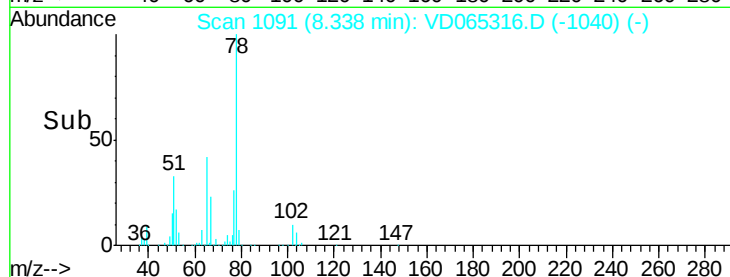
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

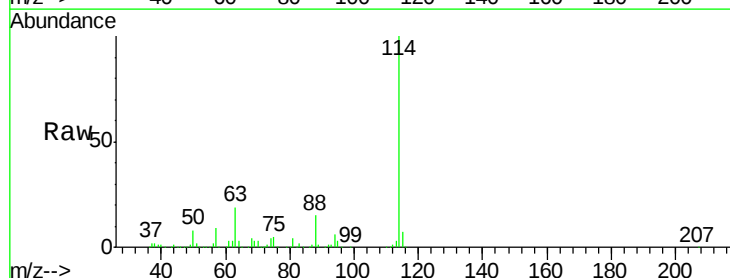
Tgt Ion: 114 Resp: 662687

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.4

88 14.7 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

400000

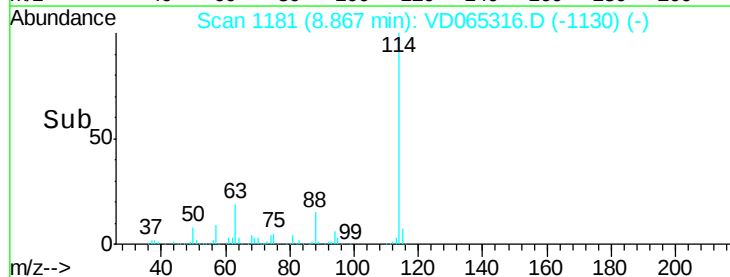
300000

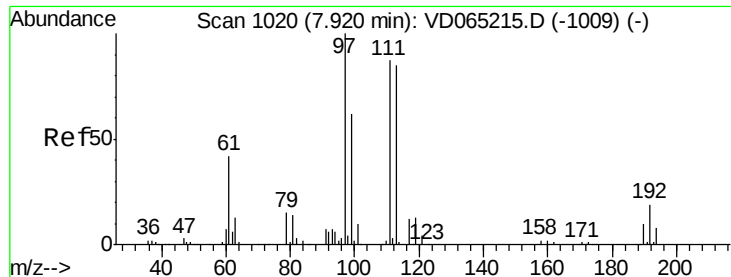
200000

100000

0

Time-->





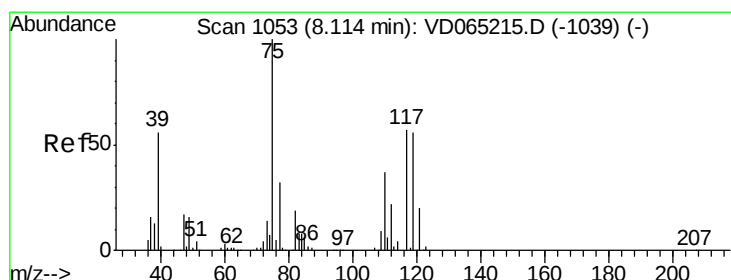
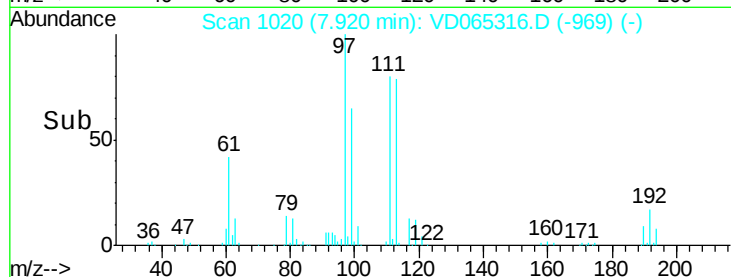
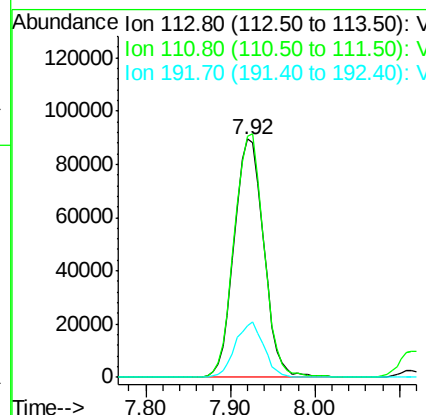
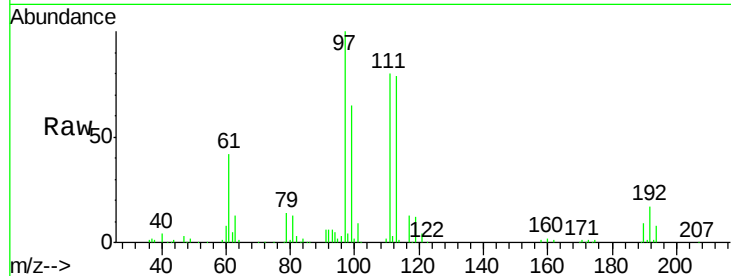
#35
Dibromofluoromethane
Concen: 53.829 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	217507		
111	101.7	82.9	124.3	
192	22.2	17.3	25.9	

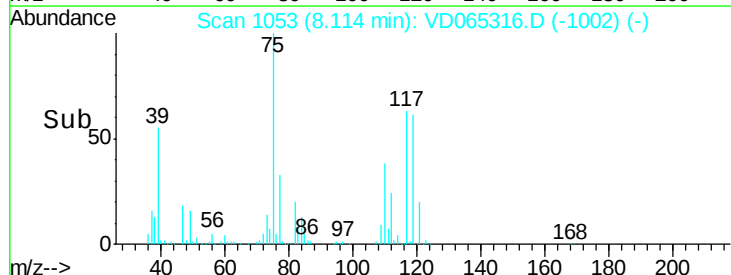
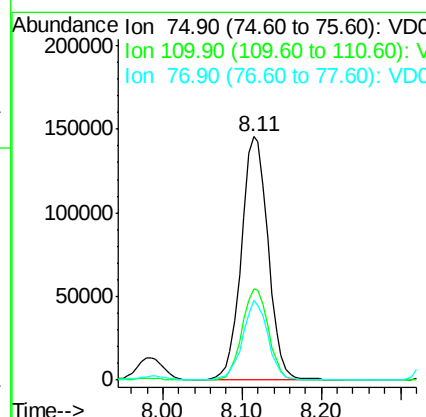
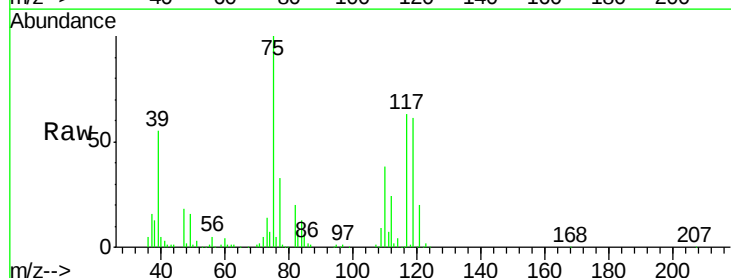
Manual Integrations
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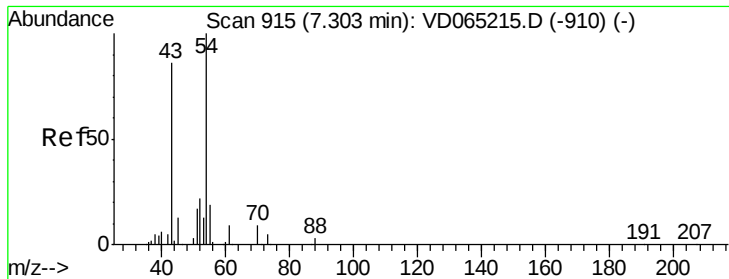
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#36
1,1-Dichloropropene
Concen: 52.654 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	339511		
110	37.2	17.9	53.7	
77	31.2	25.1	37.7	





#37

Ethyl Acetate

Concen: 53.745 ug/l

RT: 7.30 min Scan# 915

Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Instrument :

MSVOA_D

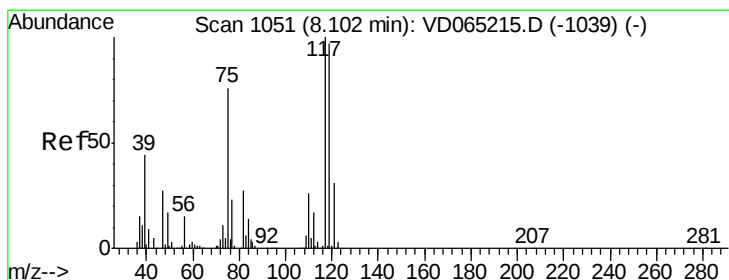
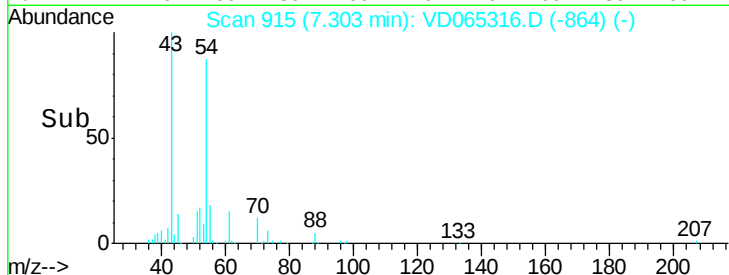
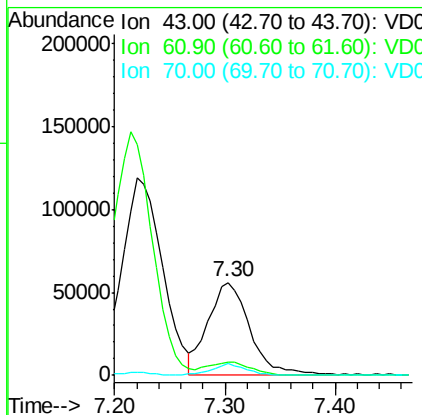
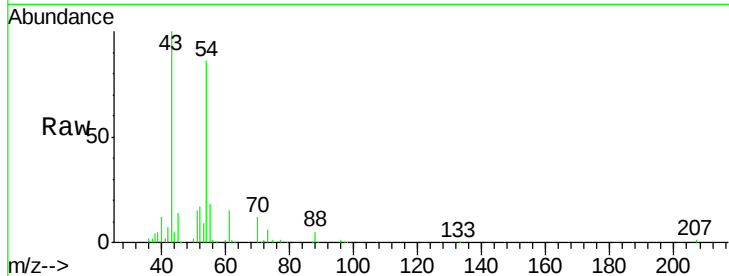
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	144871
Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.2	16.8
70	10.3	8.2	12.2

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#38

Carbon Tetrachloride

Concen: 52.003 ug/l

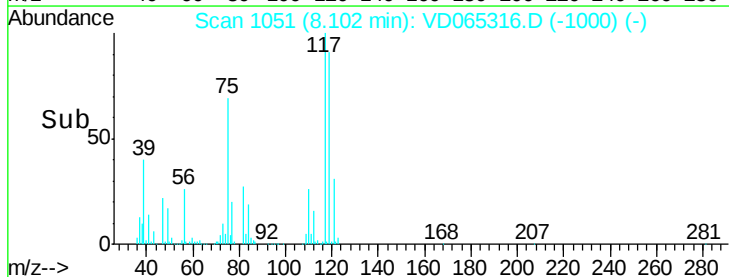
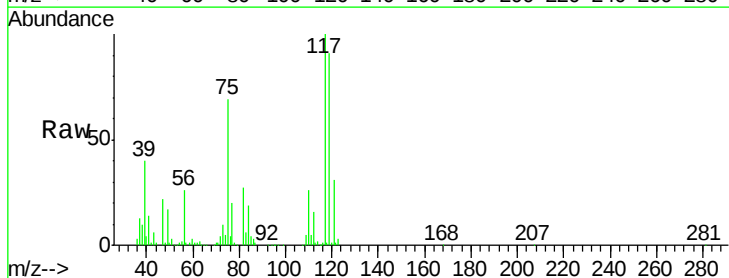
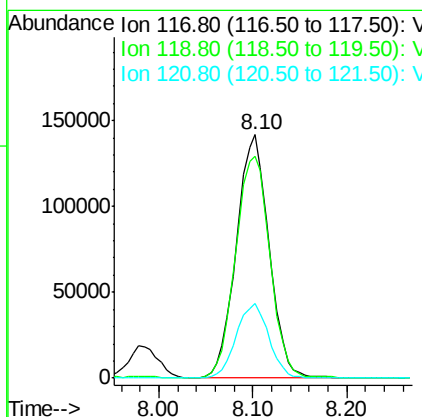
RT: 8.10 min Scan# 1051

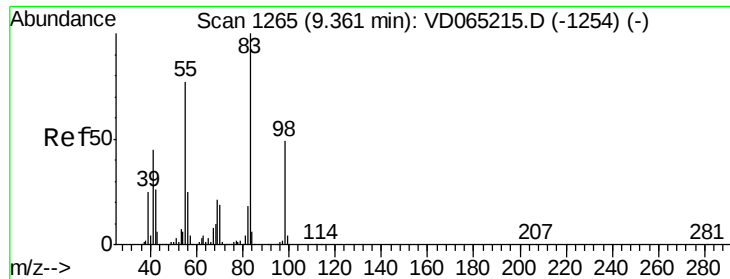
Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Tgt Ion:	117	Resp:	341344
Ion	Ratio	Lower	Upper
117	100		
119	91.4	77.6	116.4
121	31.0	24.8	37.2





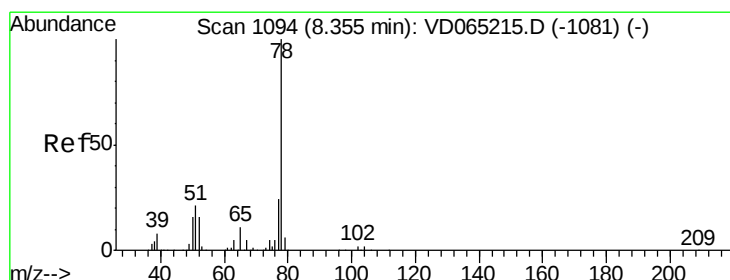
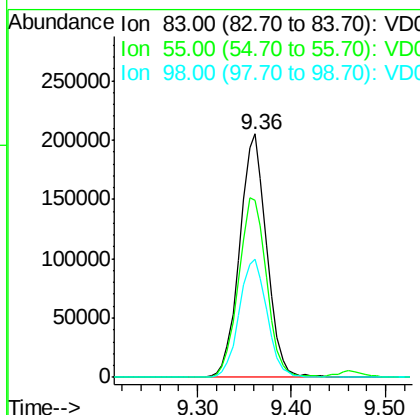
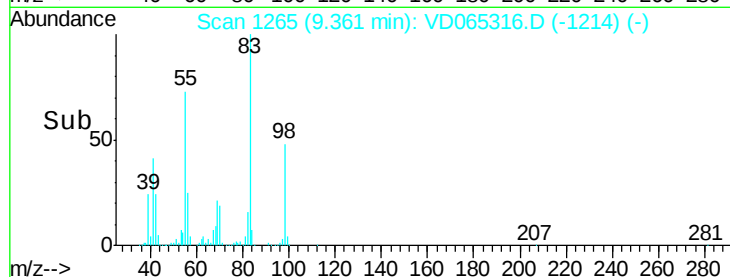
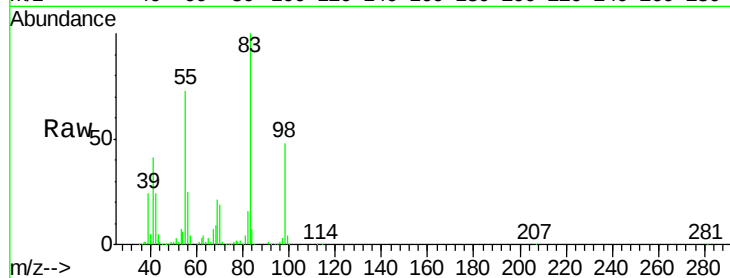
#39
Methvlcvclohexane
Concen: 53.857 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	72.9	61.8	92.6	
98	48.4	39.4	59.0	

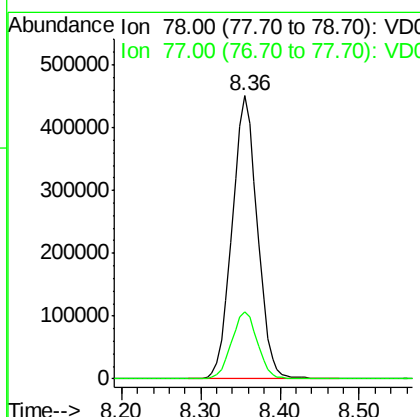
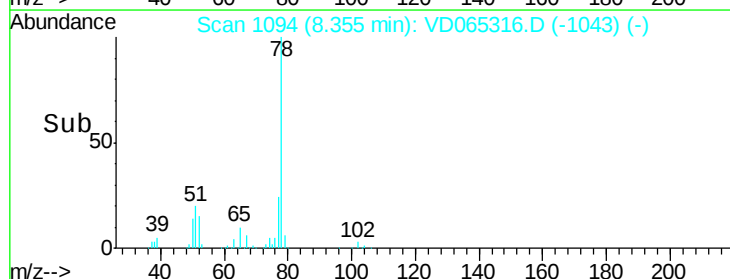
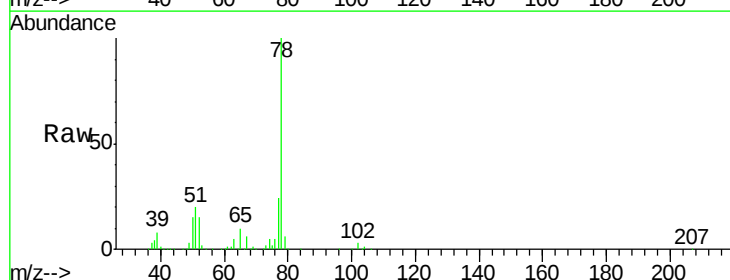
Manual Integrations
APPROVED

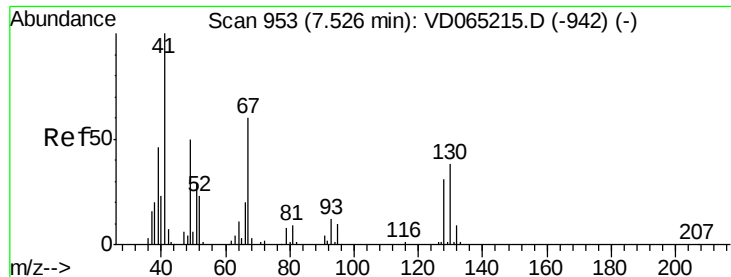
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#40
Benzene
Concen: 54.613 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	19.0	28.6	





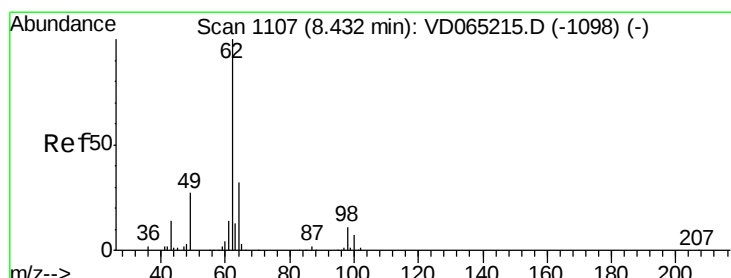
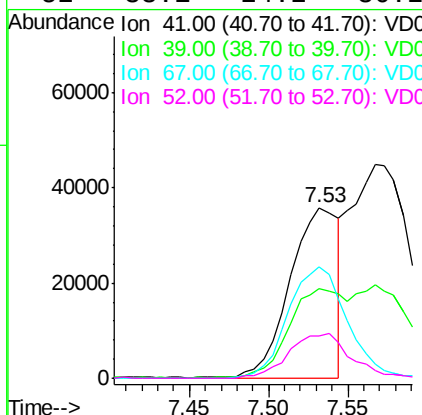
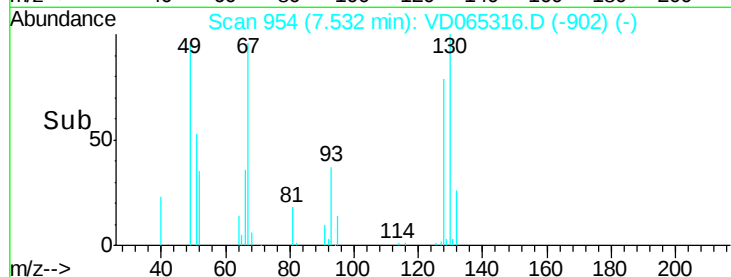
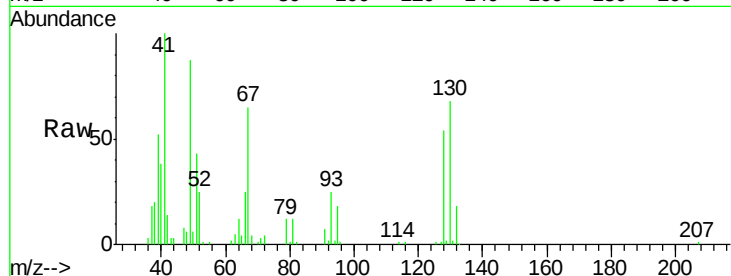
#41
Methacrylonitrile
Concen: 49.273 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	76688
Ion	Ratio	Lower	Upper
41	100		
39	61.2	48.1	72.1
67	79.0	58.9	88.3
52	33.1	24.2	36.2

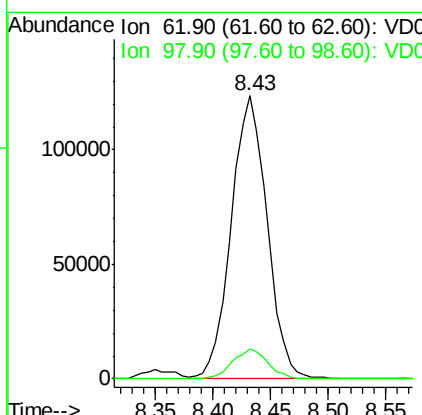
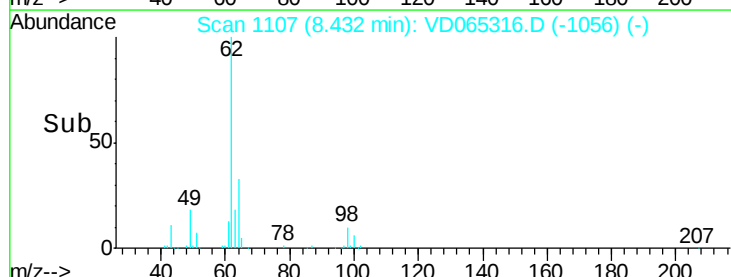
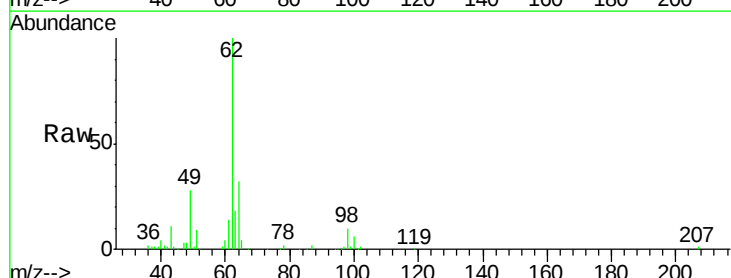
Manual Integrations
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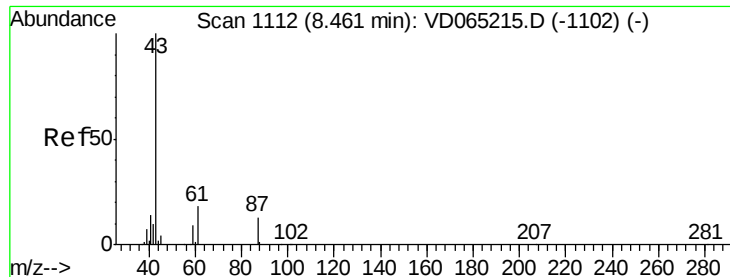
MMDadoda
2/26/2020 10:25:43 AM



#42
1,2-Dichloroethane
Concen: 53.019 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Tgt Ion	62	Resp	265280
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6





#43

Isopropyl Acetate

Concen: 54.897 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Instrument :

MSVOA_D

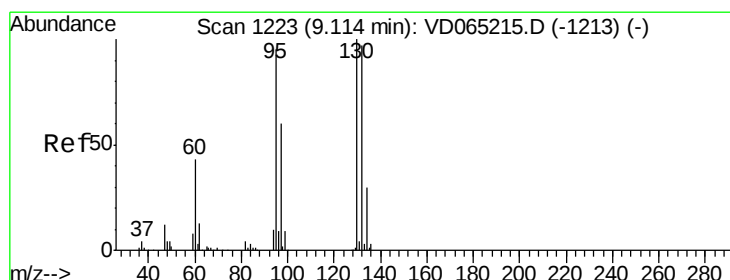
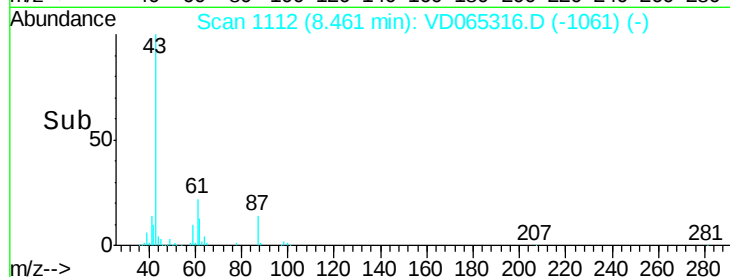
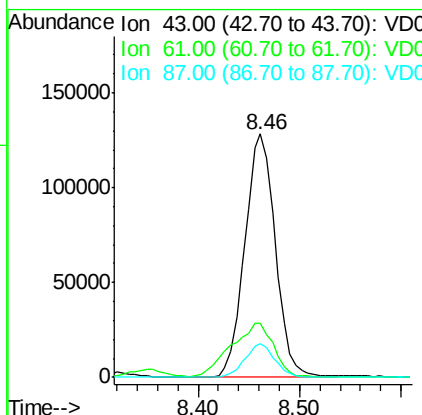
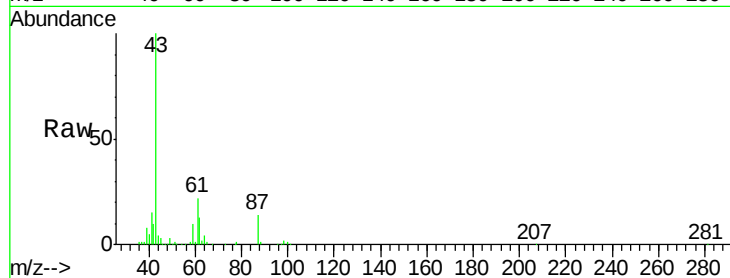
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	269092
Ion	Ratio	Lower	Upper
43	100		
61	30.8	24.6	36.8
87	13.2	10.6	16.0

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#44

Trichloroethene

Concen: 53.907 ug/l

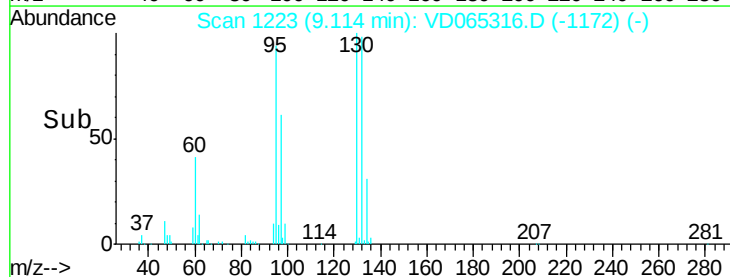
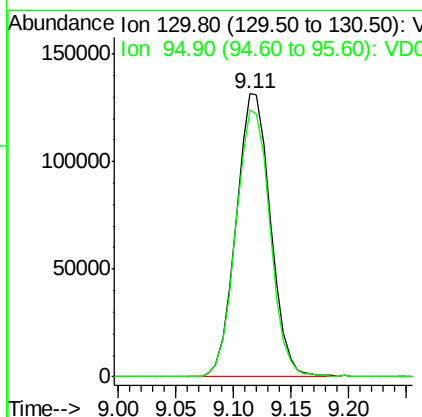
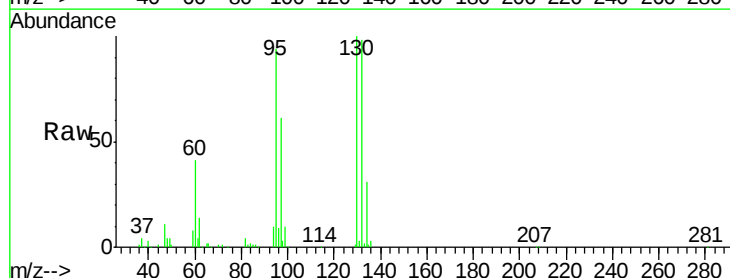
RT: 9.11 min Scan# 1223

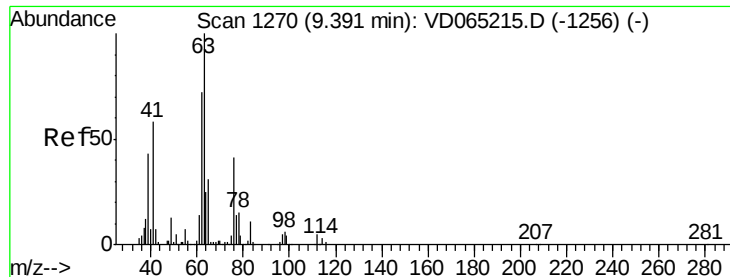
Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Tgt Ion:	130	Resp:	271959
Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	190.6





#45

1,2-Dichloropropane

Concen: 55.928 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 253105

Ion Ratio Lower Upper

63 100

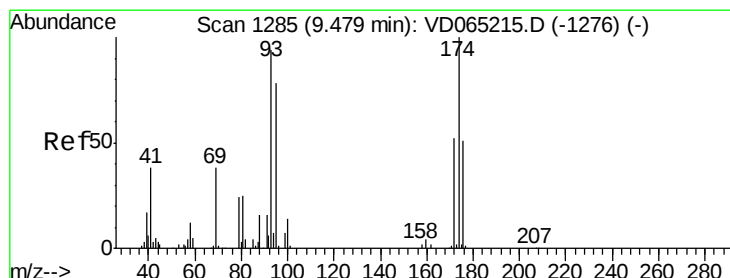
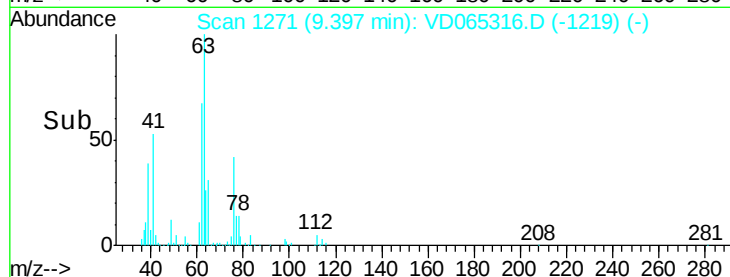
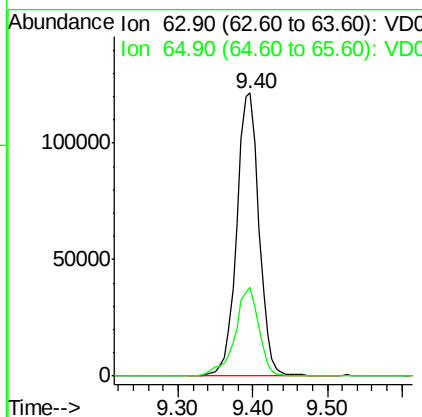
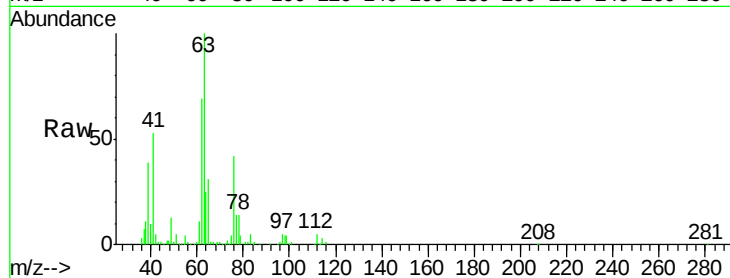
65 31.2 24.9 37.3

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#46

Dibromomethane

Concen: 55.415 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

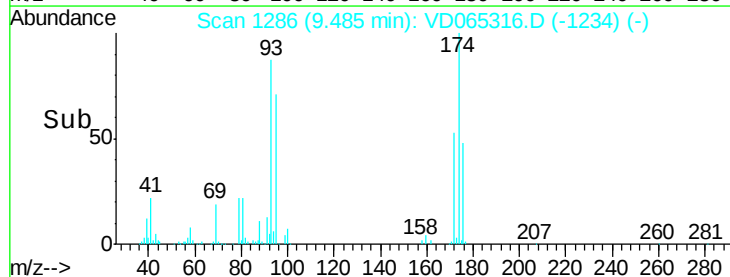
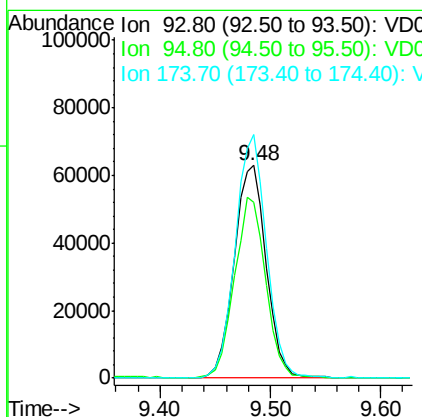
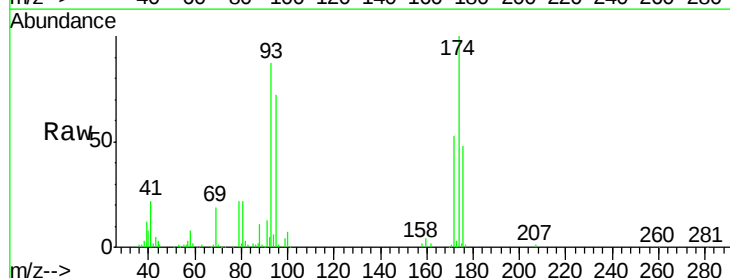
Tgt Ion: 93 Resp: 129033

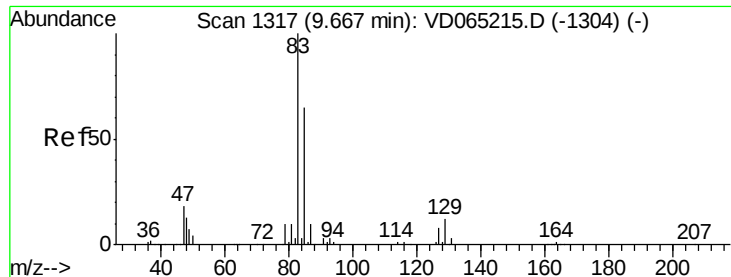
Ion Ratio Lower Upper

93 100

95 83.1 65.8 98.6

174 111.1 86.8 130.2





#47

Bromodichloromethane

Concen: 54.290 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Instrument :

MSVOA_D

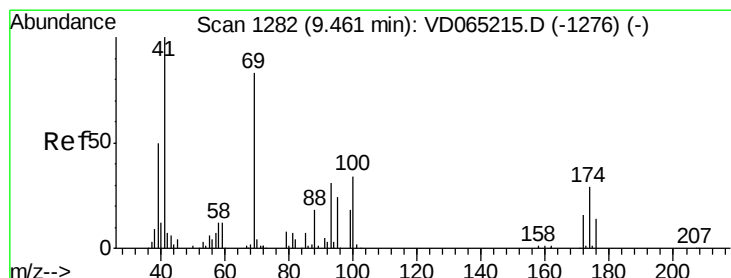
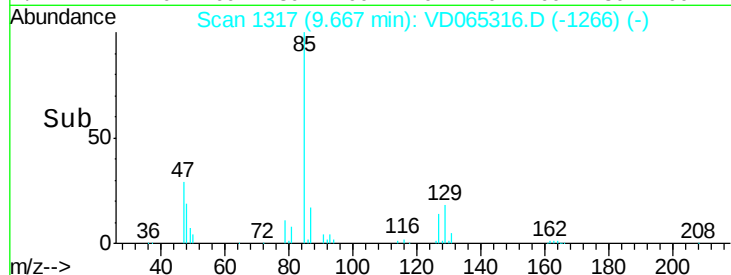
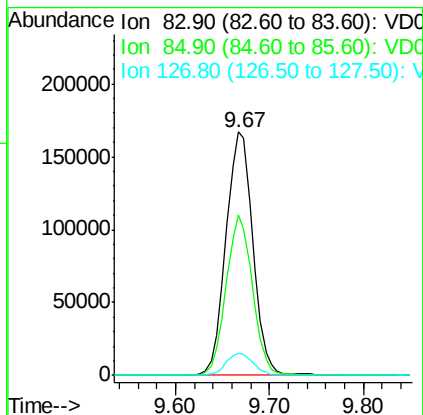
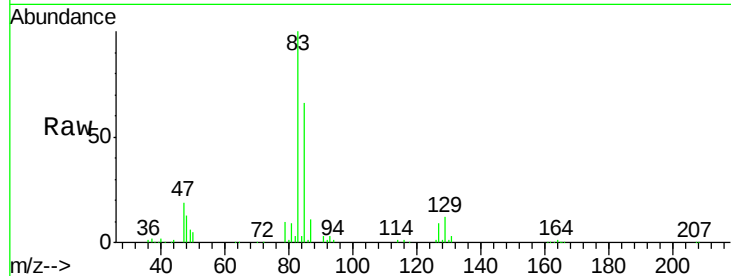
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	333144
Ion Ratio	Lower	Upper	
83	100		
85	65.7	52.0	78.0
127	9.3	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 56.488 ug/l

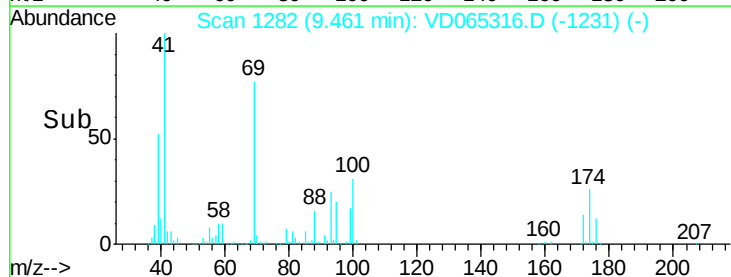
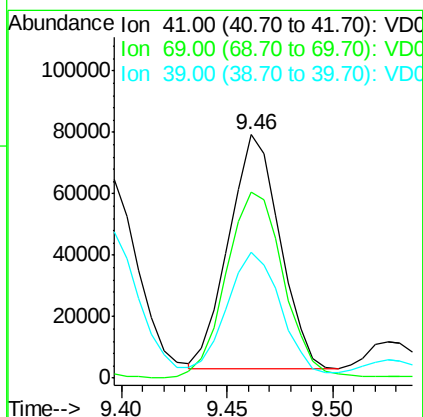
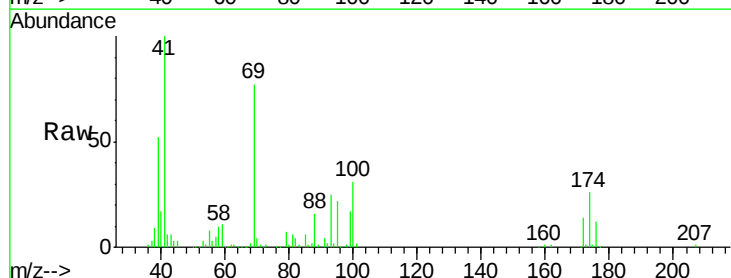
RT: 9.46 min Scan# 1282

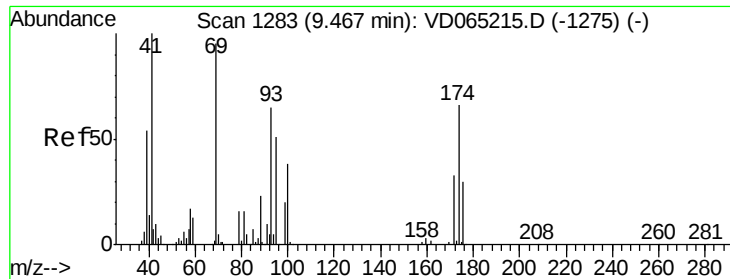
Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Tgt Ion:	41	Resp:	127987
Ion Ratio	Lower	Upper	
41	100		
69	89.1	68.2	102.2
39	52.6	42.0	63.0





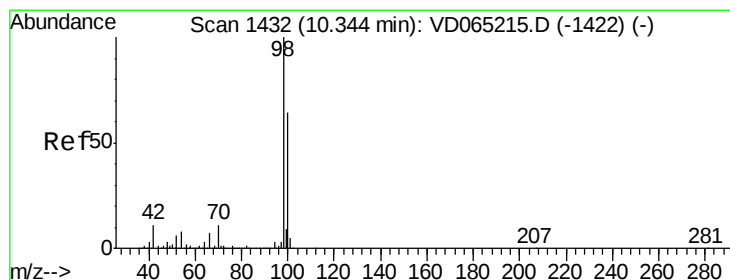
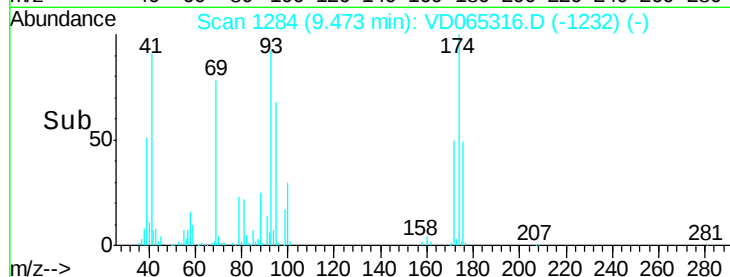
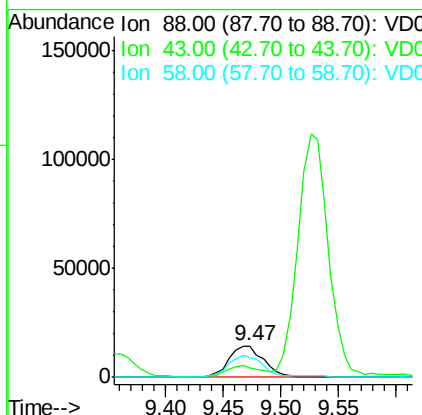
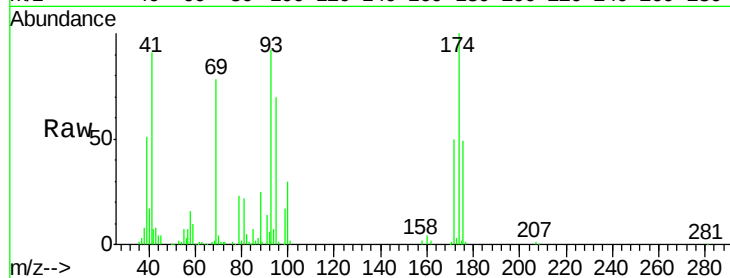
#49
1,4-Dioxane
Concen: 1120.438 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.4	28.5	42.7
58	70.1	58.6	87.8

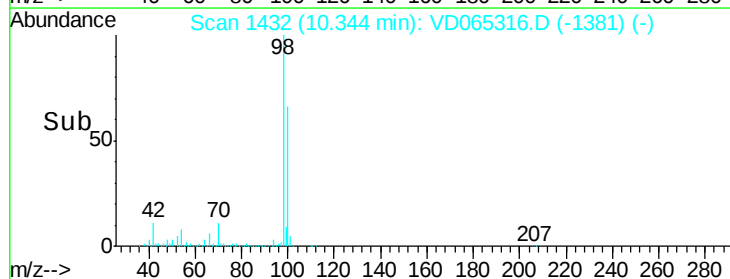
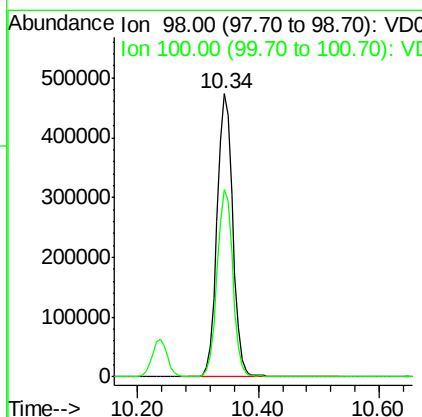
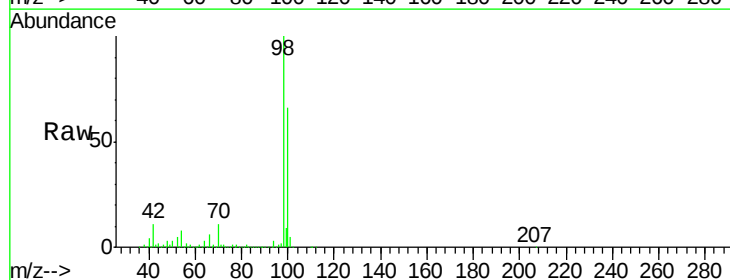
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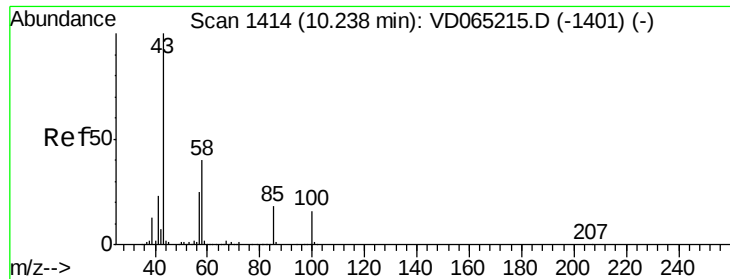
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#50
Toluene-d8
Concen: 54.697 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.0	78.0





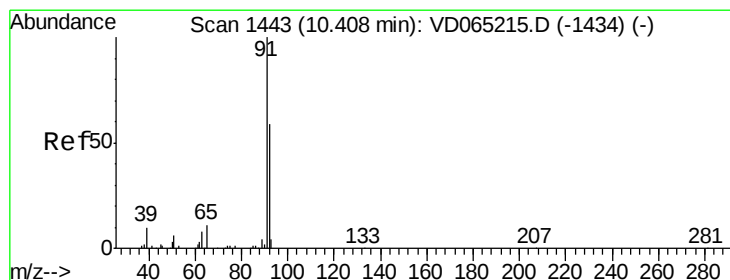
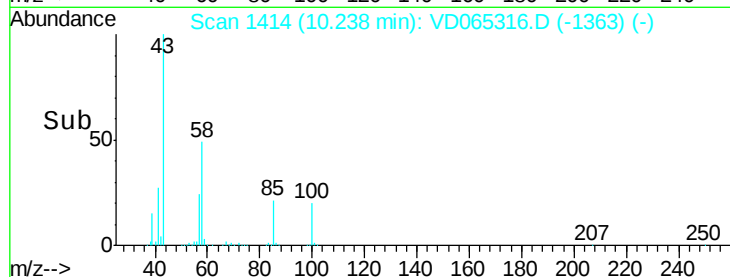
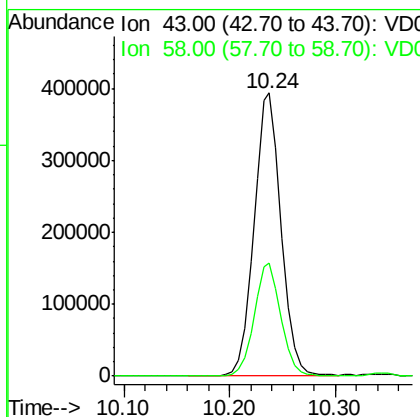
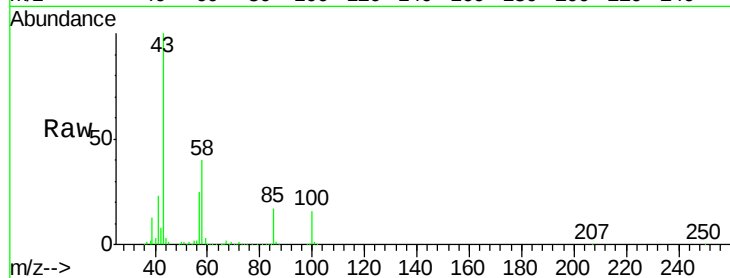
#51
4-Methyl-2-Pentanone
Concen: 281.938 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.1	46.7

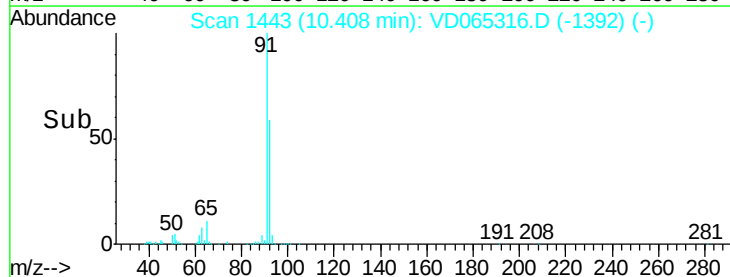
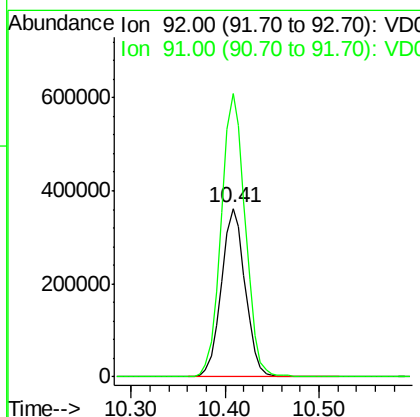
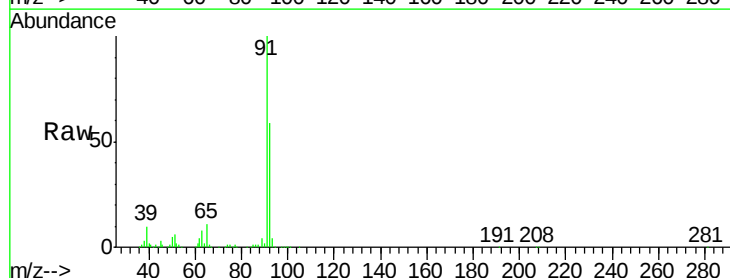
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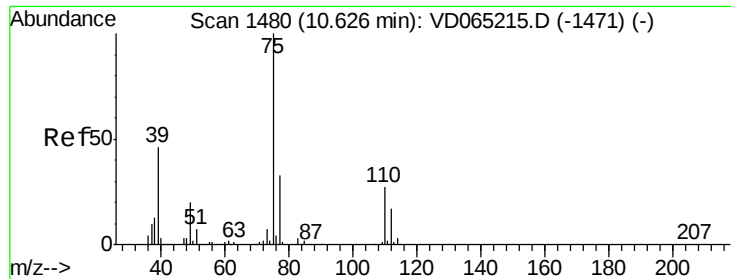
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#52
Toluene
Concen: 56.693 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.2	136.3	204.5





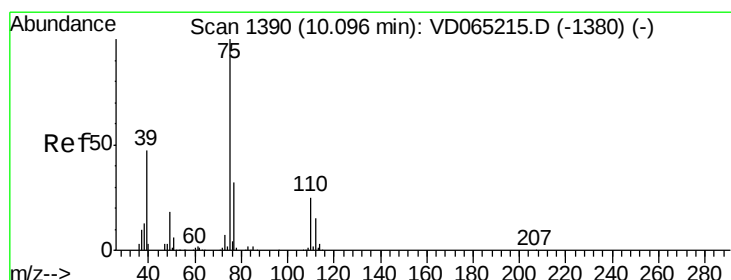
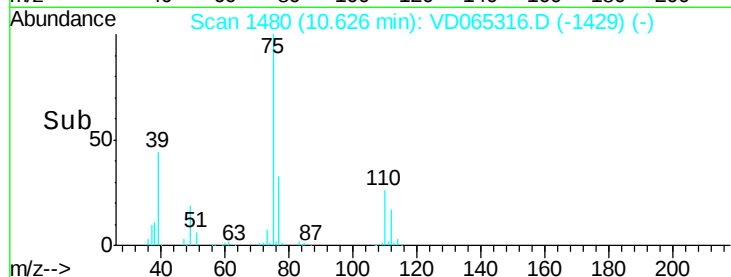
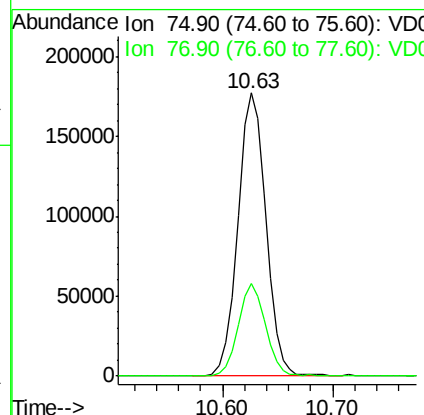
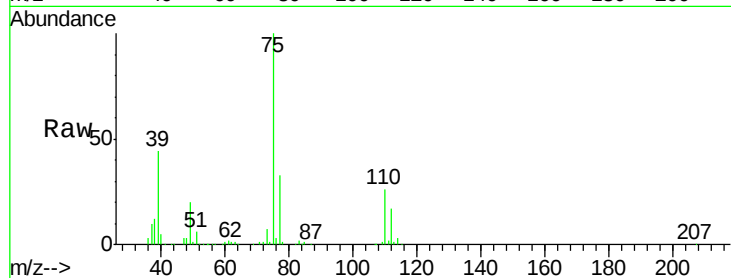
#53
t-1,3-Dichloropropene
Concen: 55.647 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 316515
Ion Ratio Lower Upper
75 100
77 32.6 26.6 40.0

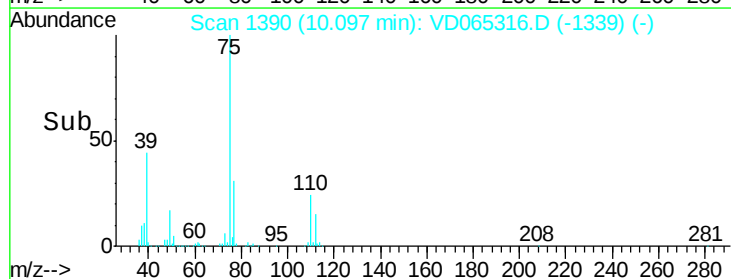
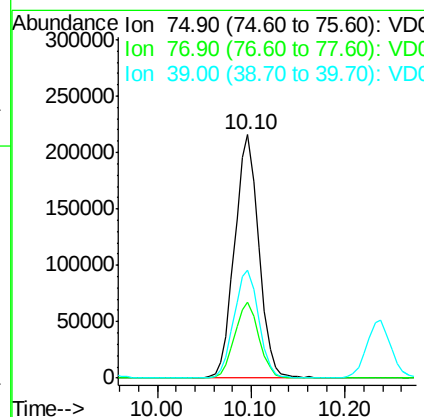
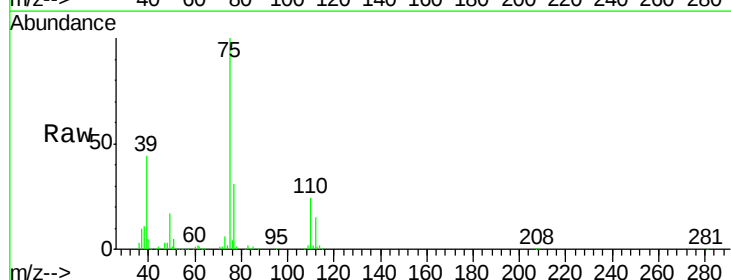
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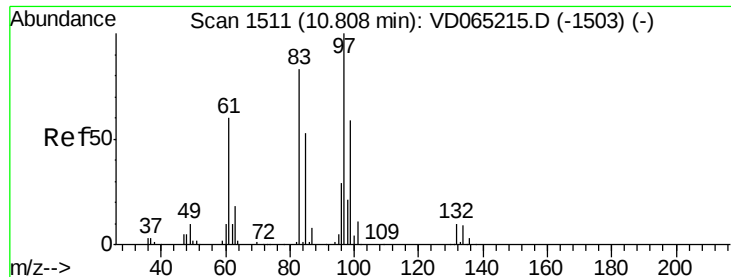
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#54
cis-1,3-Dichloropropene
Concen: 56.232 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Tgt Ion: 75 Resp: 386223
Ion Ratio Lower Upper
75 100
77 31.2 25.8 38.8
39 44.2 37.3 55.9





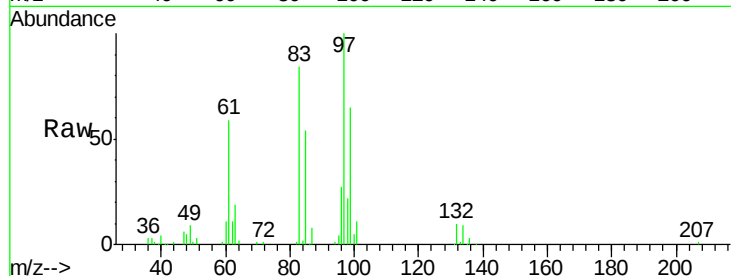
#55
 1,1,2-Trichloroethane
 Concen: 55.263 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065316.D
 Acq: 25 Feb 2020 18:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

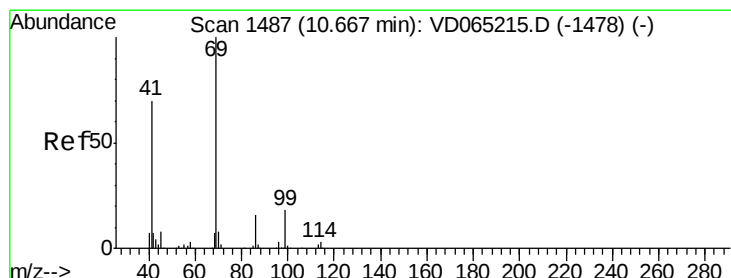
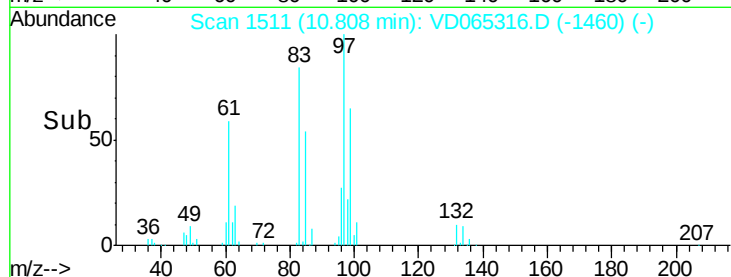
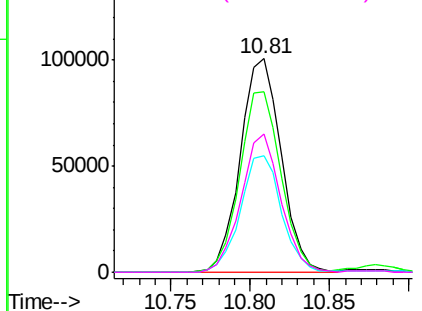
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		181119		
83	84.4	66.7	100.1		
85	54.4	42.4	63.6		
99	64.8	47.5	71.3		

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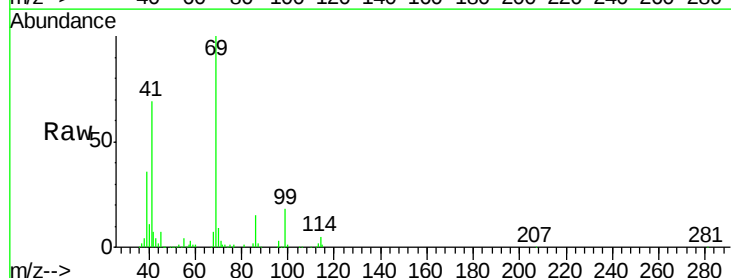


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

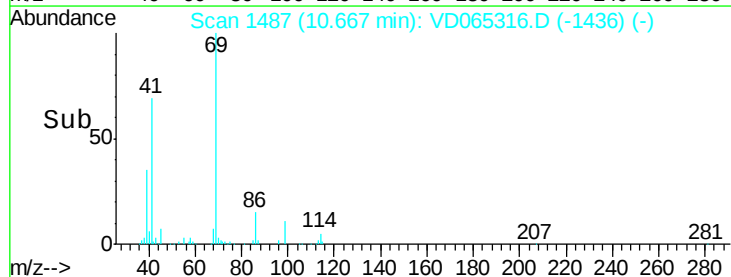
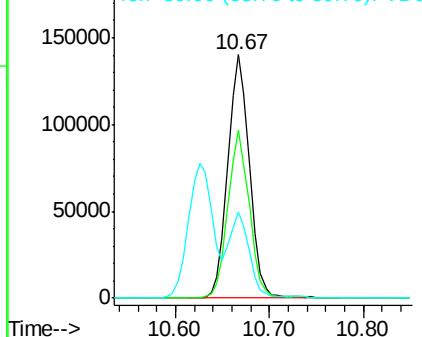


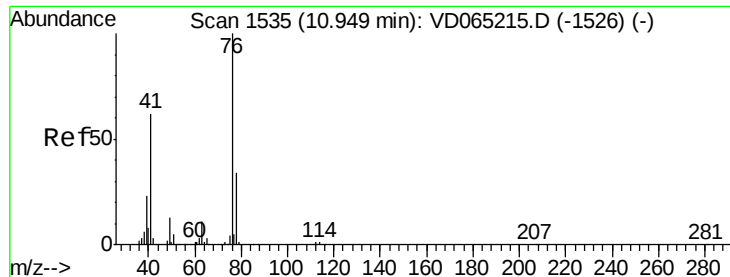
#56
 Ethyl methacrylate
 Concen: 59.533 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065316.D
 Acq: 25 Feb 2020 18:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		225204		
41	66.7	54.6	81.8		
39	31.8	26.5	39.7		



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





#57

1,3-Dichloropropane

Concen: 55.496 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 309560

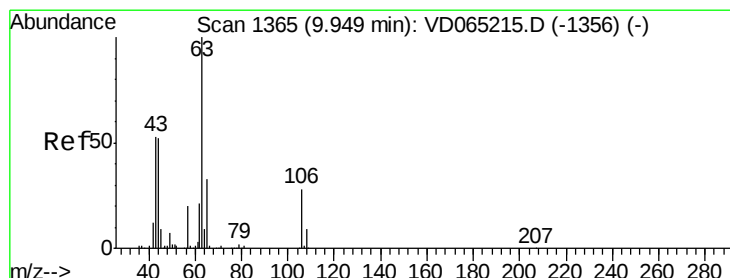
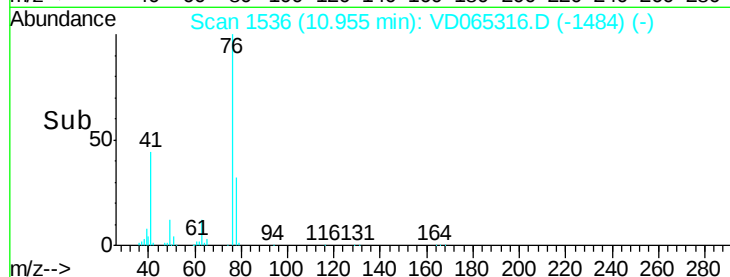
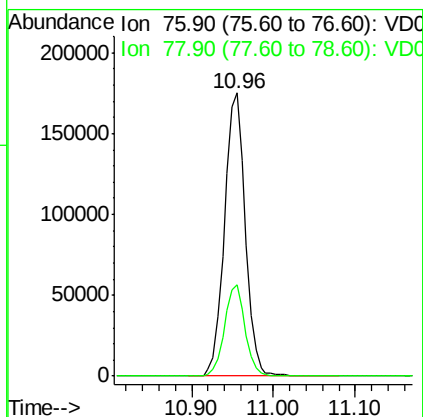
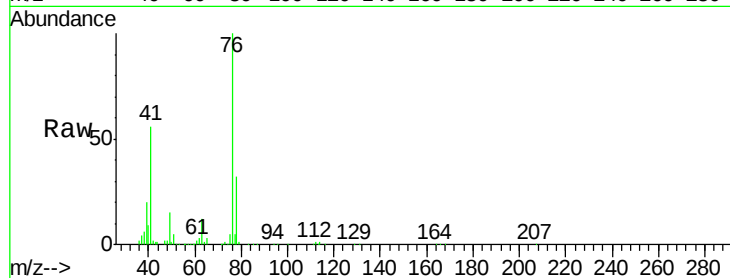
Ion Ratio Lower Upper

76 100

78 32.1 26.3 39.5

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#58

2-Chloroethyl Vinyl ether

Concen: 258.402 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065316.D

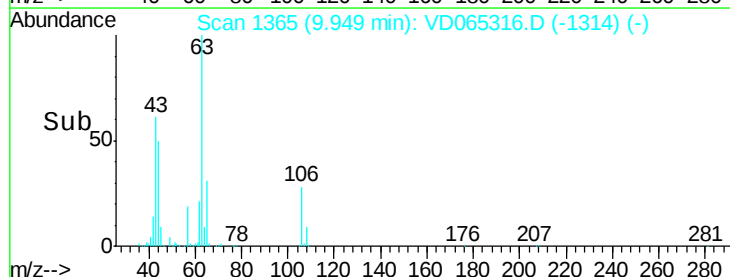
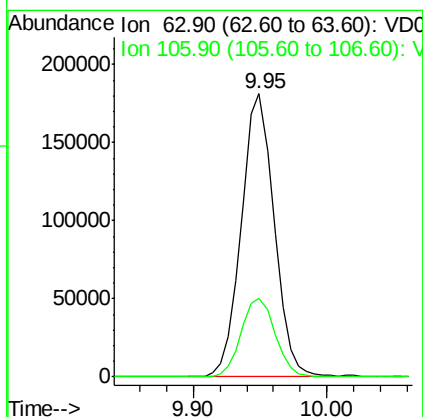
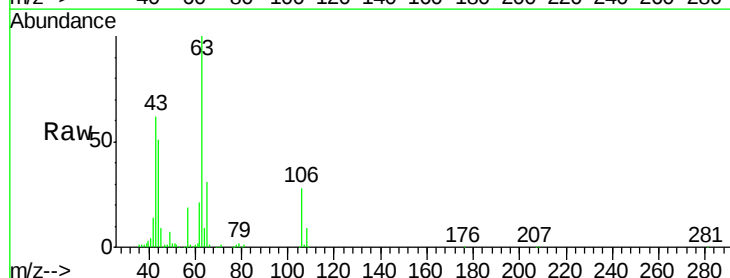
Acq: 25 Feb 2020 18:51

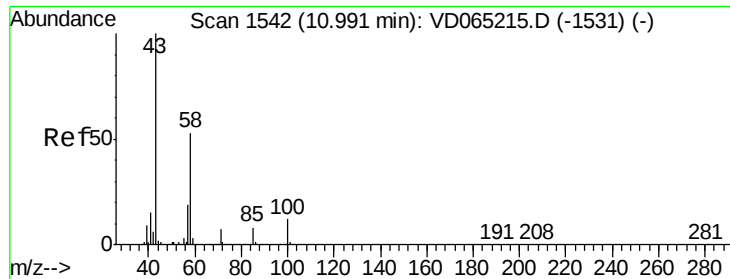
Tgt Ion: 63 Resp: 308174

Ion Ratio Lower Upper

63 100

106 28.8 22.8 34.2





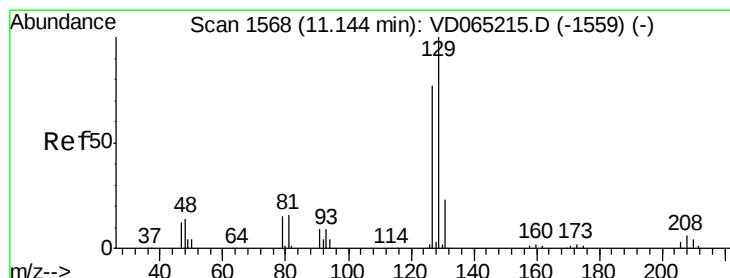
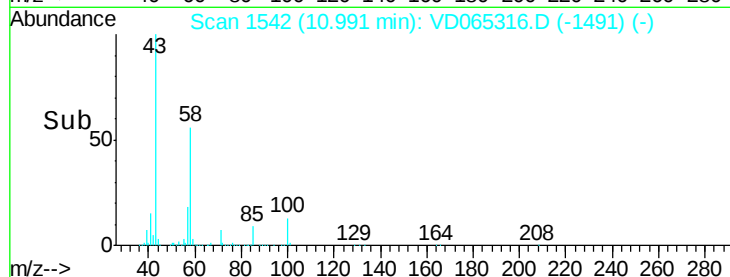
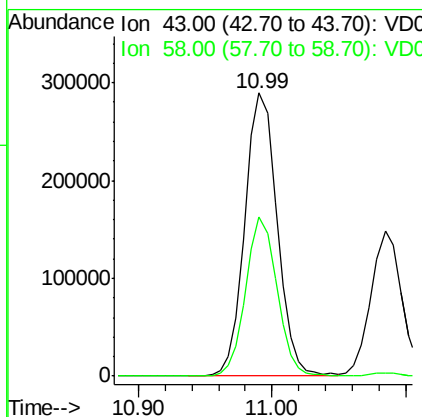
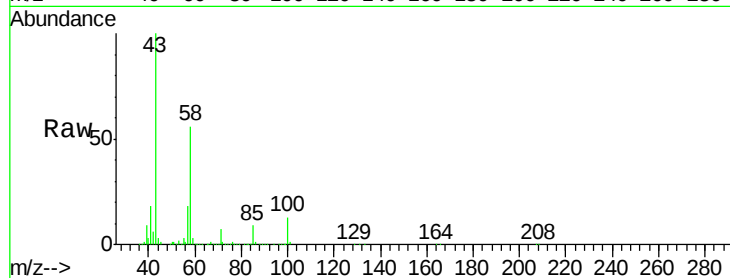
#59
2-Hexanone
Concen: 271.963 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 484696
Ion Ratio Lower Upper
43 100
58 54.5 26.3 78.8

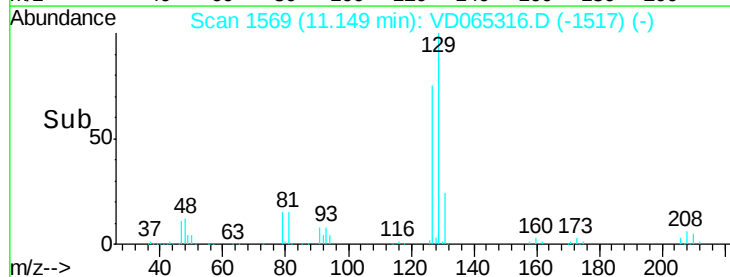
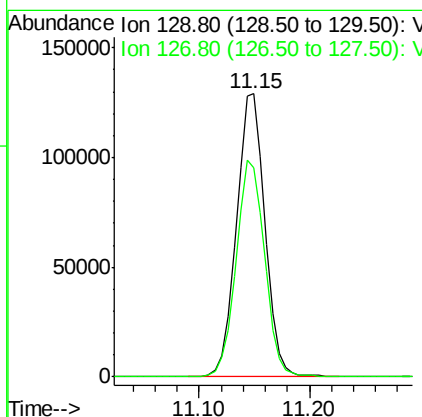
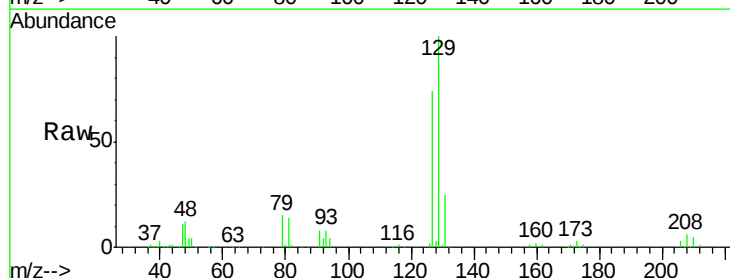
Manual Integrations
APPROVED

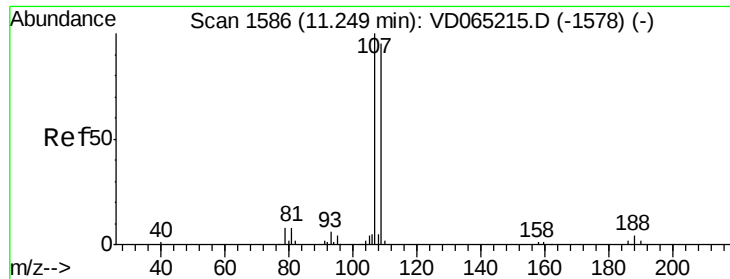
MMDadoda
2/26/2020 10:25:43 AM



#60
Dibromochloromethane
Concen: 55.874 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Tgt Ion: 129 Resp: 234380
Ion Ratio Lower Upper
129 100
127 77.1 38.7 116.1





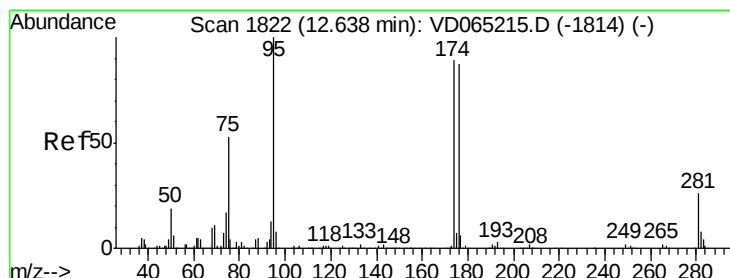
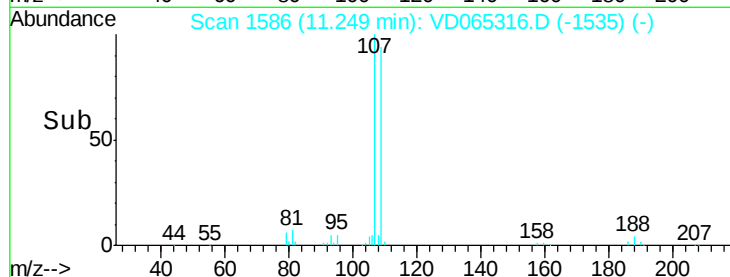
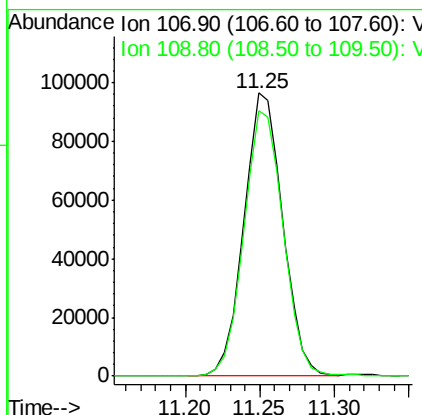
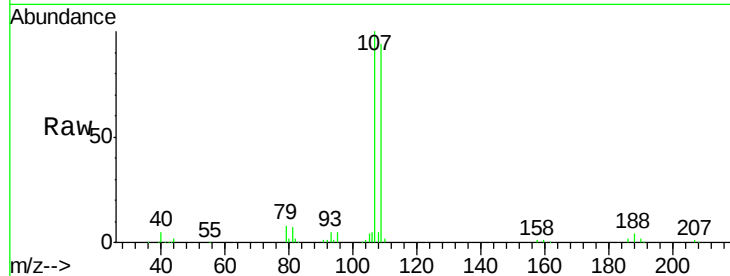
#61
 1,2-Dibromoethane
 Concen: 55.783 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065316.D
 Acq: 25 Feb 2020 18:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	76.2	114.4

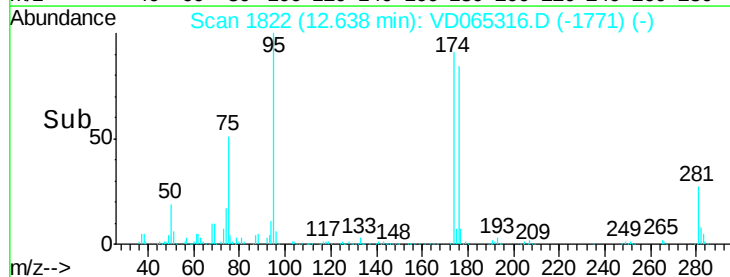
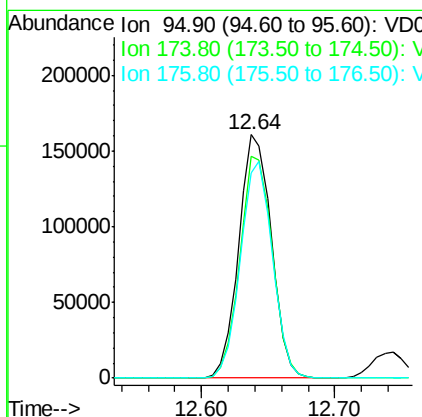
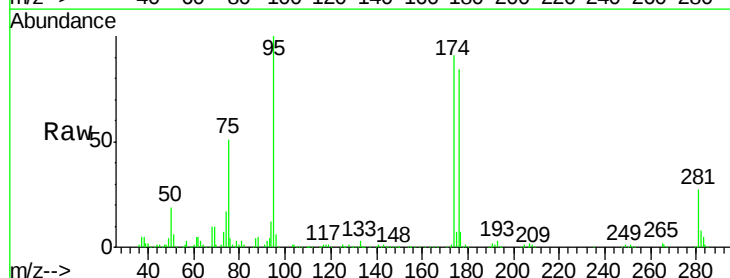
Manual Integrations
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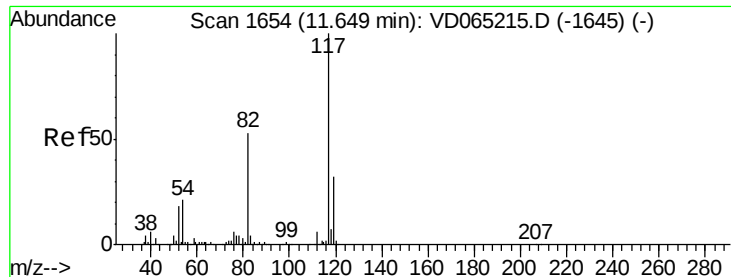
MMDadoda
 2/26/2020 10:25:43 AM



#62
 4-Bromofluorobenzene
 Concen: 55.404 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065316.D
 Acq: 25 Feb 2020 18:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.8	0.0	178.0
176	87.4	0.0	174.4





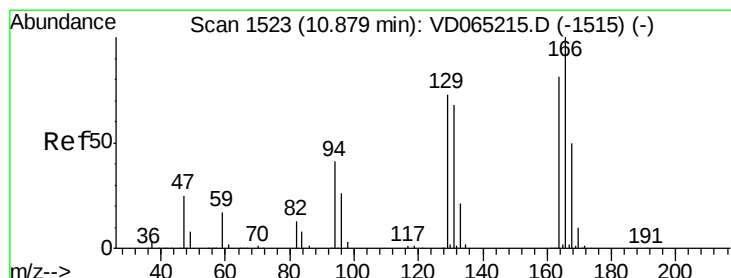
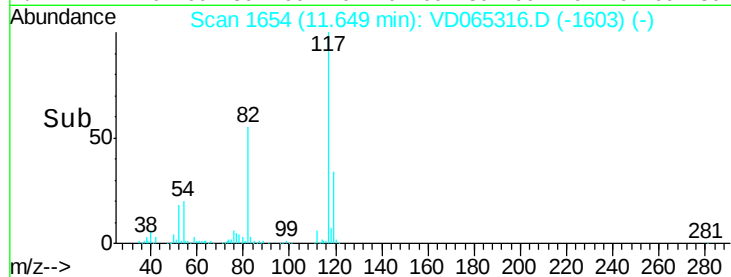
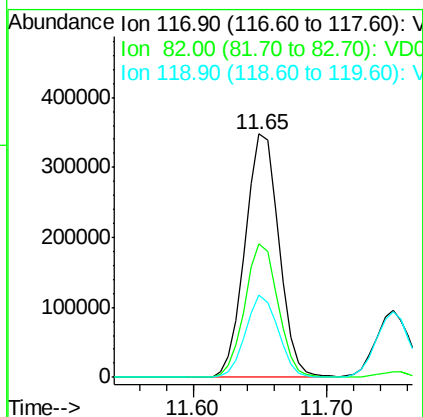
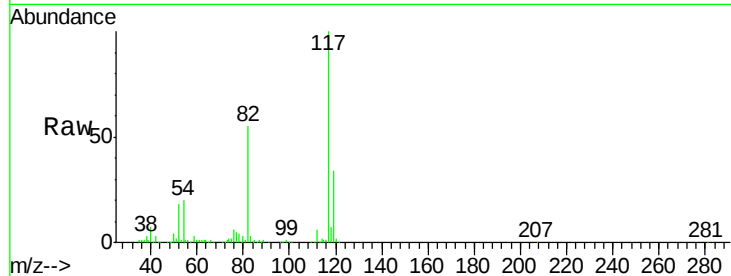
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	42.7	64.1
119	33.6	25.5	38.3

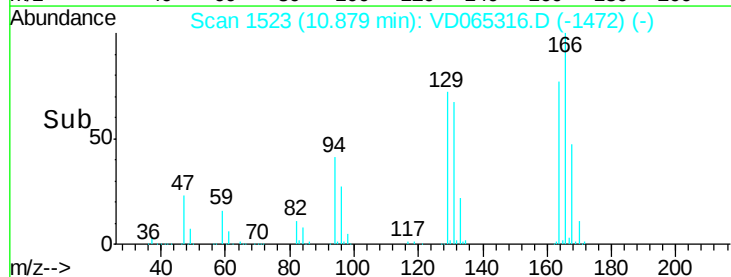
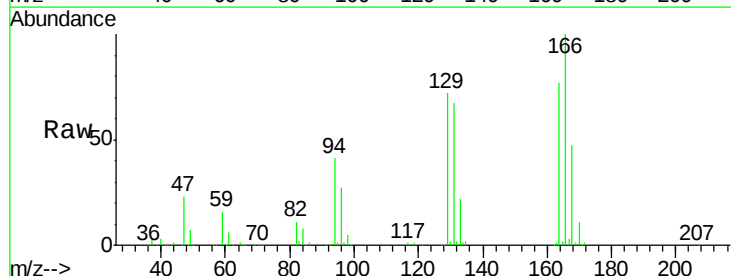
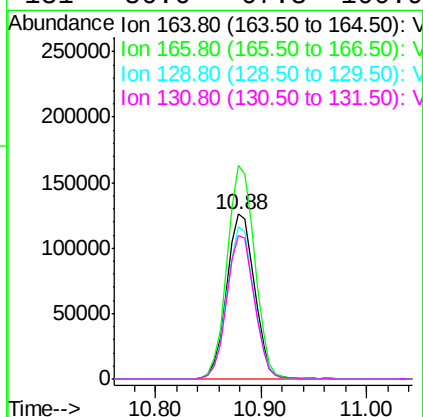
Manual Integrations
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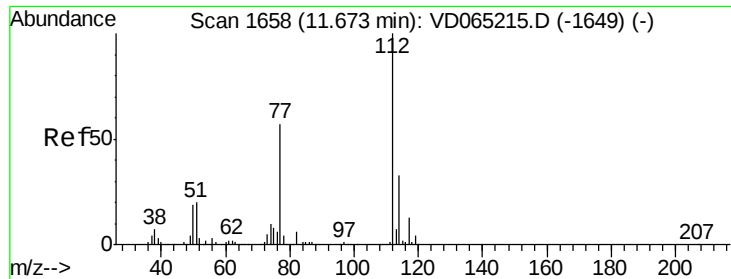
MMDadoda
2/26/2020 10:25:43 AM



#64
Tetrachloroethene
Concen: 52.888 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	98.4	147.6
129	92.8	71.6	107.4
131	86.6	67.3	100.9





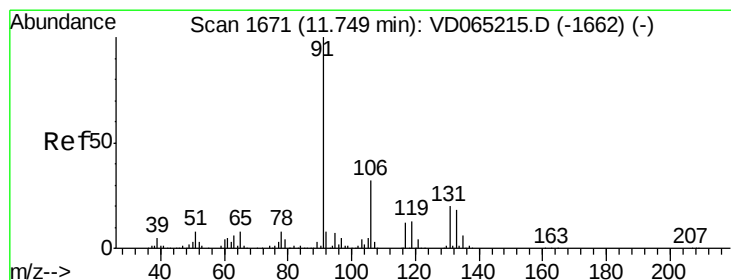
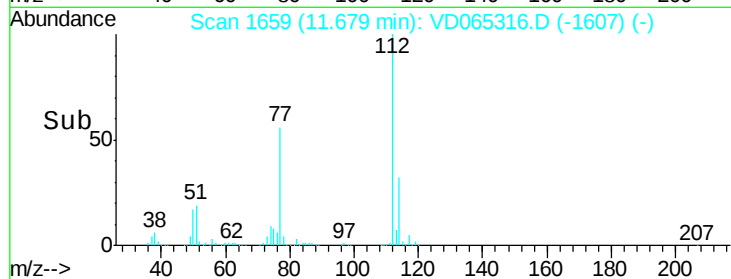
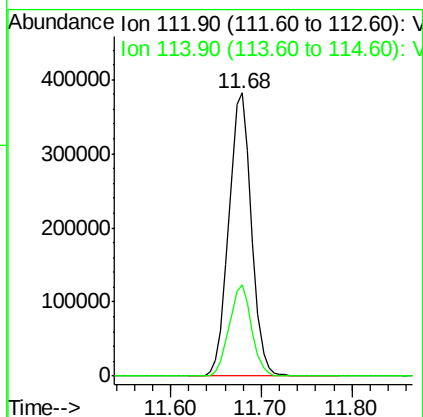
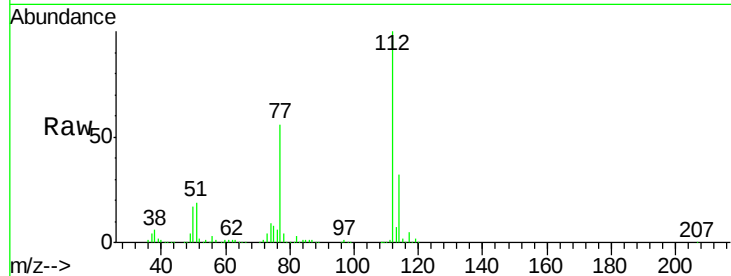
#65
Chlorobenzene
Concen: 54.342 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	26.4	39.6

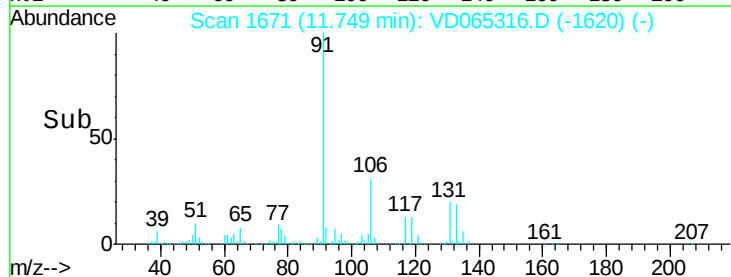
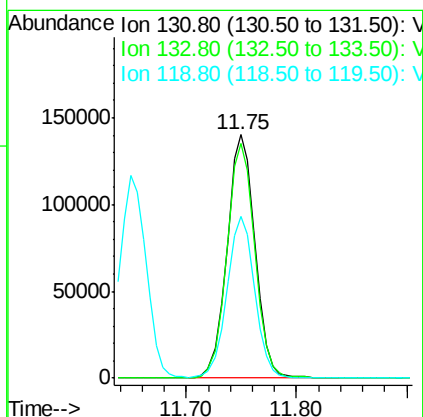
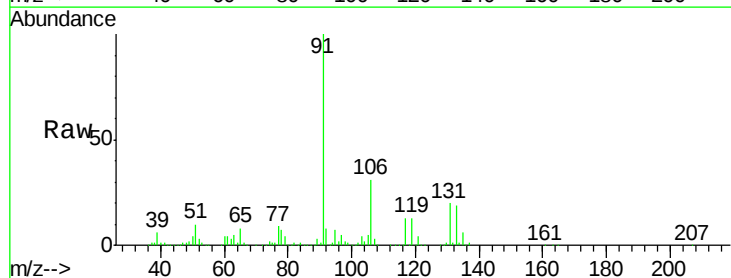
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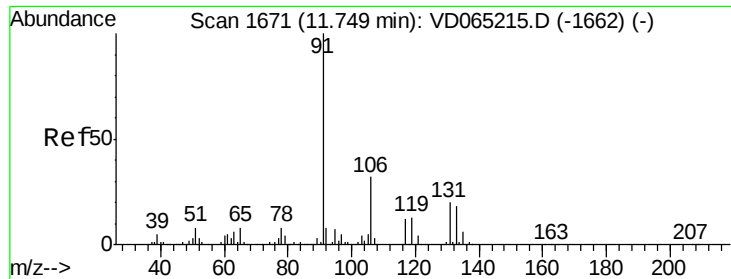
MMDadoda
2/26/2020 10:25:43 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.417 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.7	143.1
119	66.1	32.7	98.1





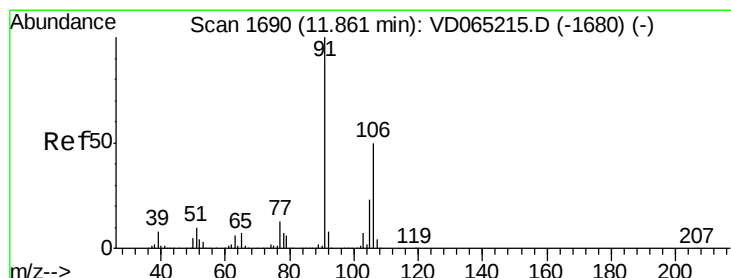
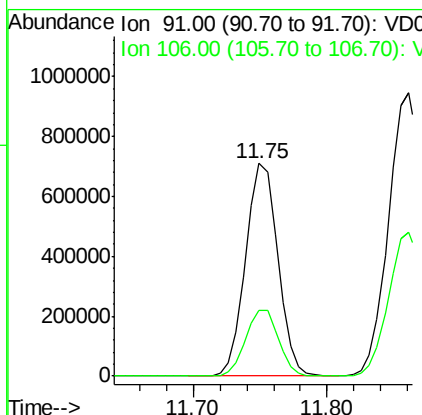
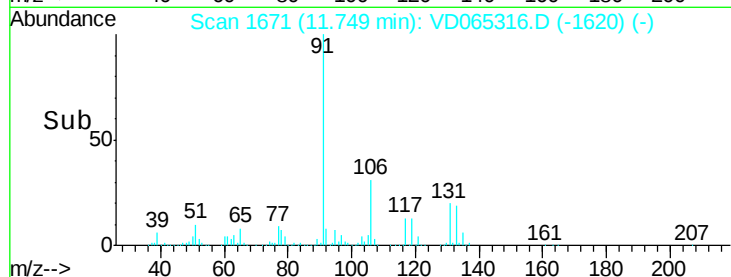
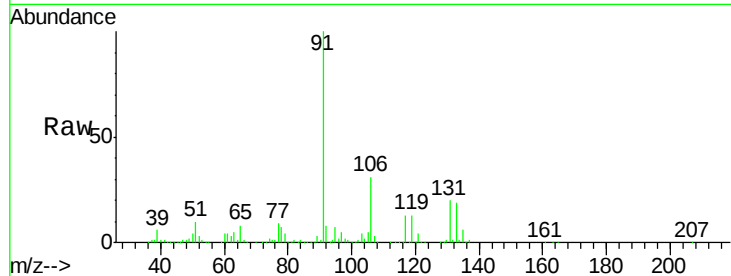
#67
Ethyl Benzene
Concen: 55.455 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1187674
Ion Ratio Lower Upper
91 100
106 31.2 25.2 37.8

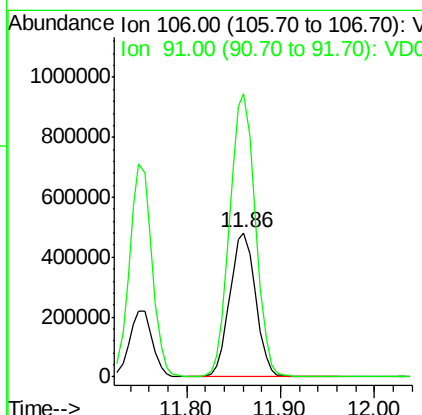
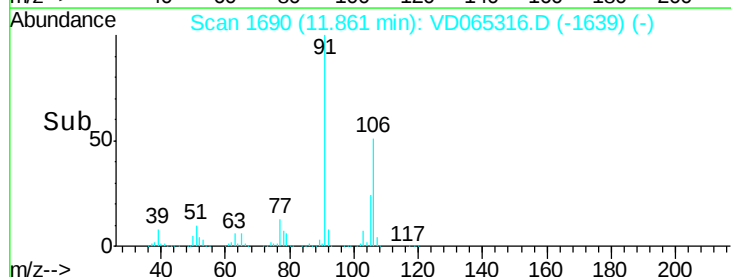
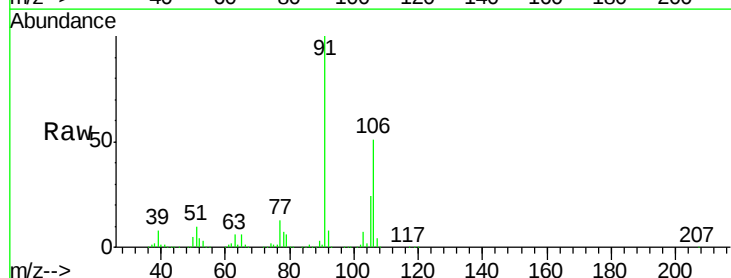
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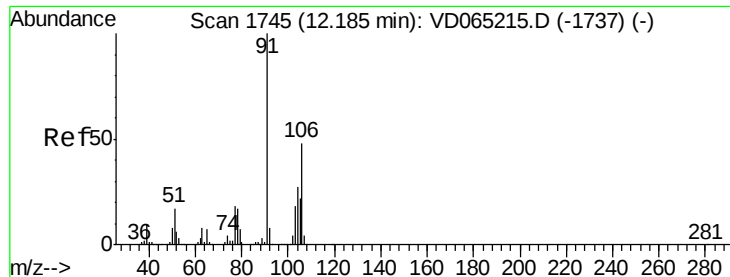
MMDadoda
2/26/2020 10:25:43 AM



#68
m/p-Xylenes
Concen: 112.219 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Tgt Ion: 106 Resp: 919520
Ion Ratio Lower Upper
106 100
91 195.0 158.2 237.4





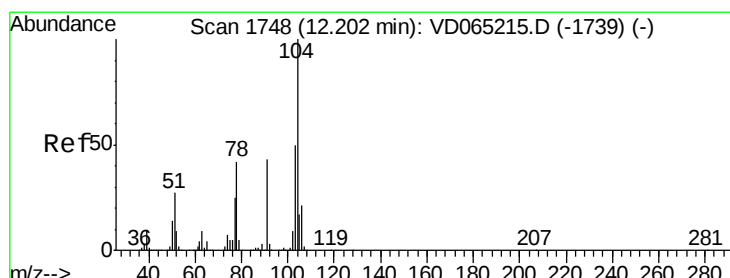
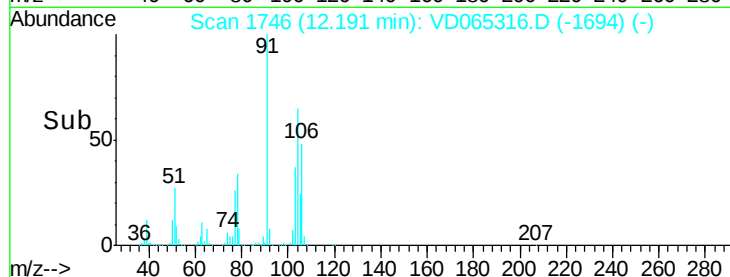
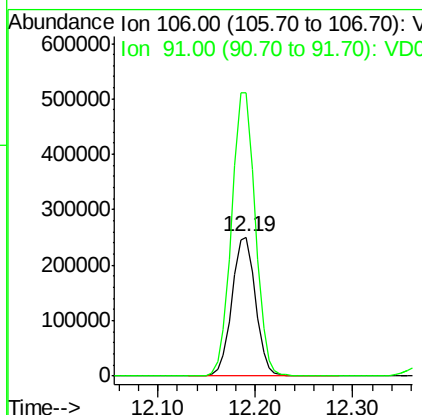
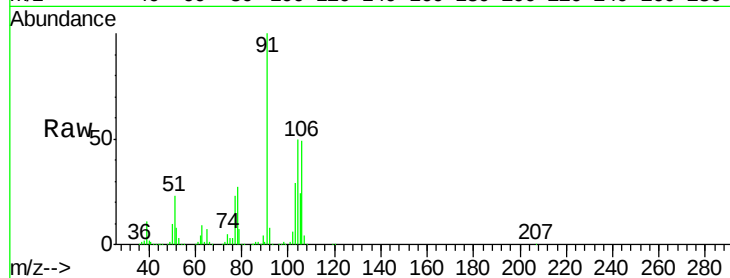
#69
o-Xylene
Concen: 58.070 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	205.1	104.7	313.9		

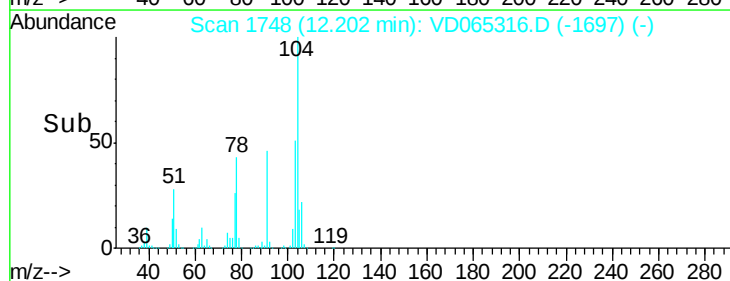
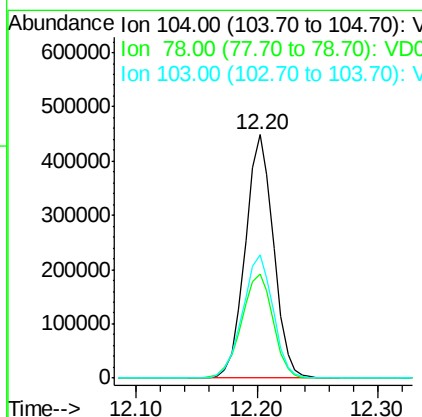
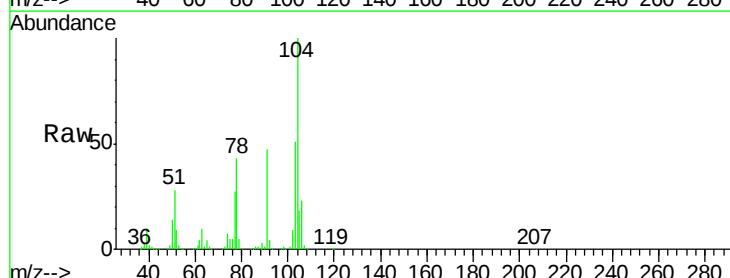
Manual Integrations
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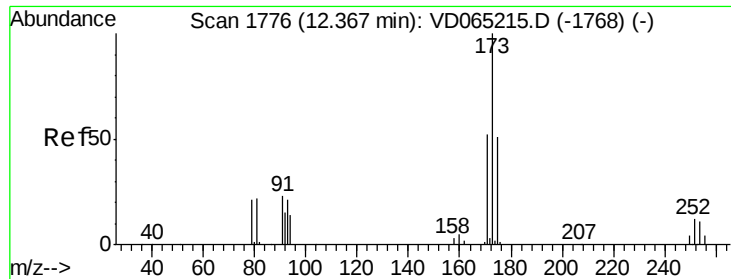
MMDadoda
2/26/2020 10:25:43 AM



#70
Styrene
Concen: 56.942 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.7	37.8	56.6		
103	54.9	43.4	65.2		





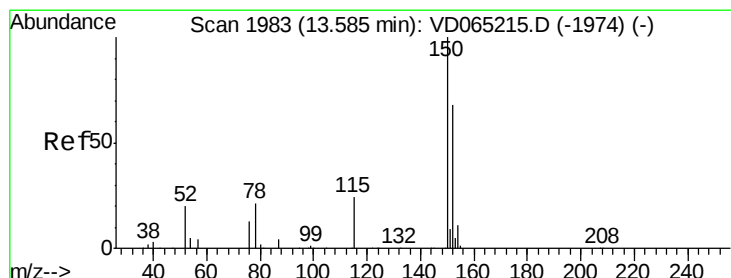
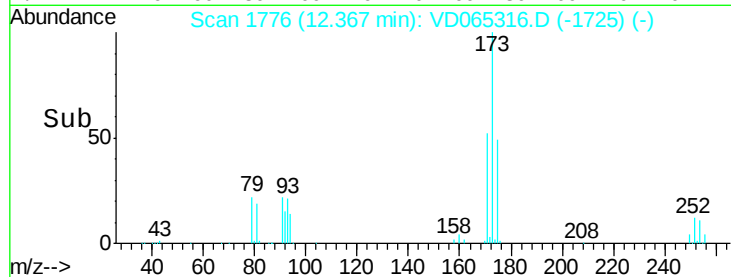
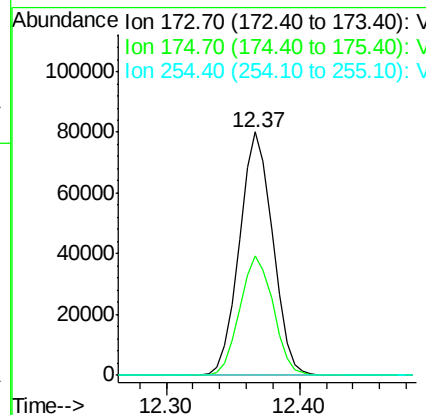
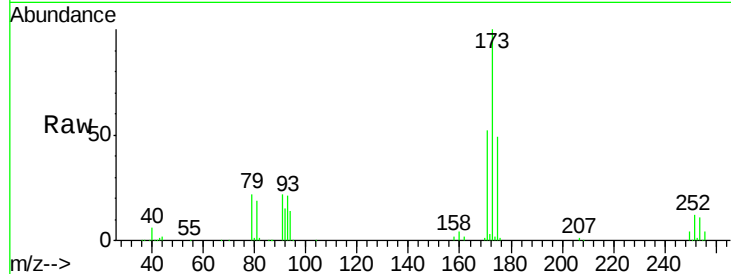
#71
Bromoform
Concen: 54.655 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.4	73.4
254	0.2	0.0	0.0

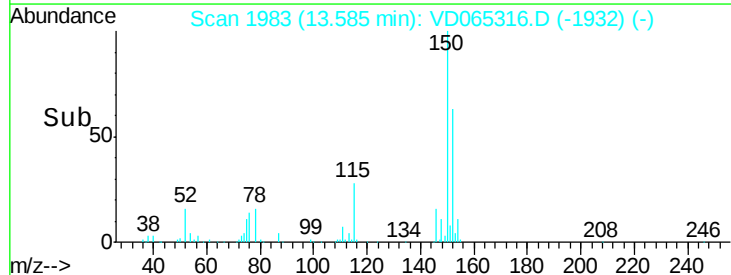
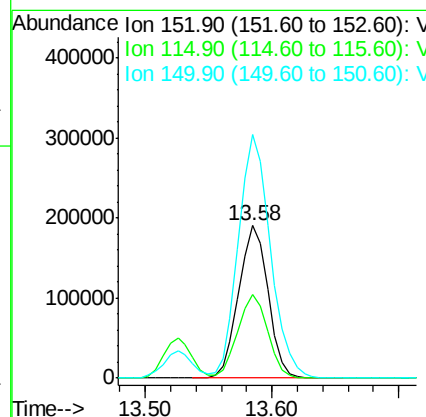
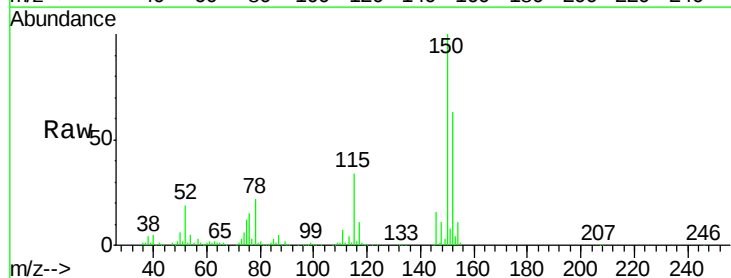
Manual Integrations
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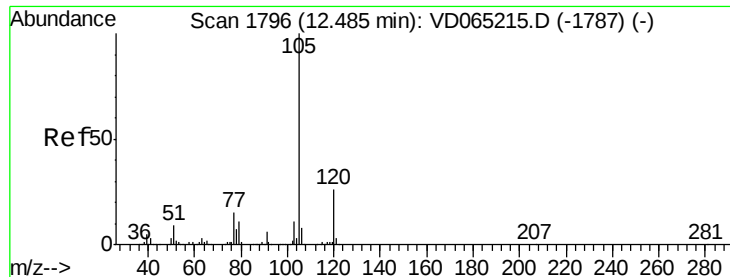
MMDadoda
2/26/2020 10:25:43 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	27.6	82.8
150	175.1	0.0	347.4





#73

Isopropylbenzene

Concen: 55.349 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1120207

Ion Ratio Lower Upper

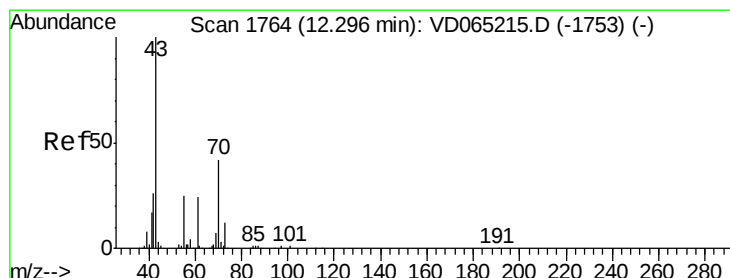
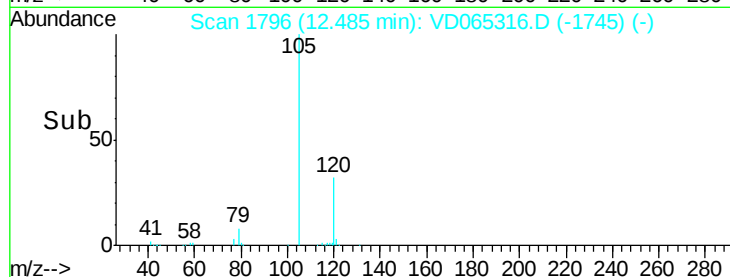
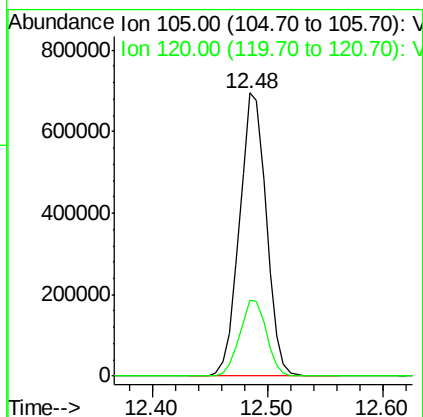
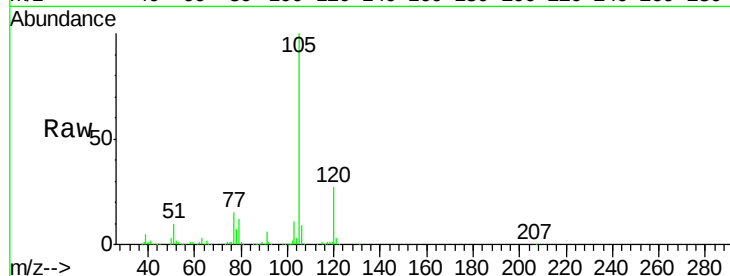
105 100

120 27.0 13.3 39.9

Manual Integrations
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2/26/2020 10:25:43 AM



#74

N-ethyl acetate

Concen: 55.017 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Tgt Ion: 43 Resp: 247423

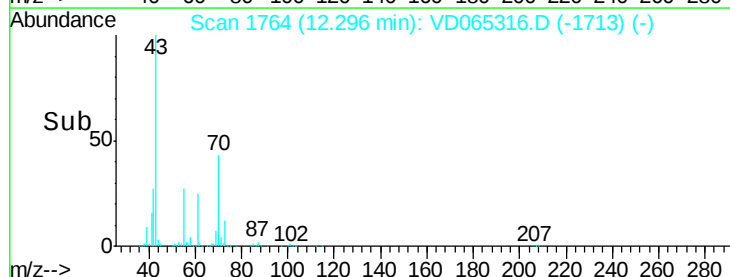
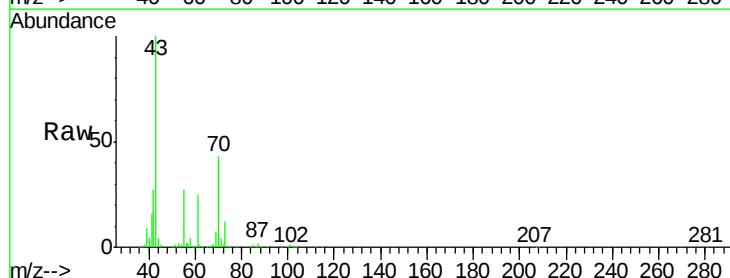
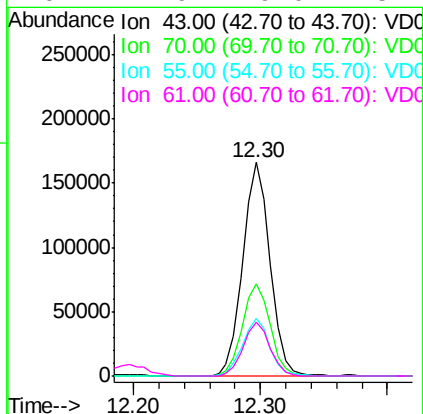
Ion Ratio Lower Upper

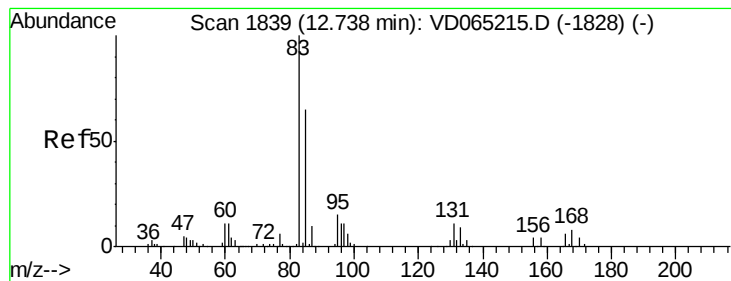
43 100

70 44.0 33.7 50.5

55 27.1 20.7 31.1

61 24.9 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 52.612 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Instrument :

MSVOA_D

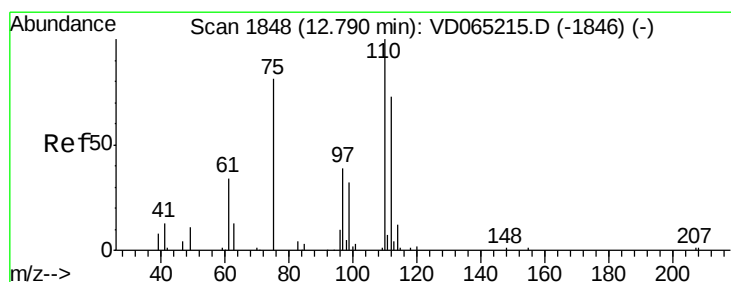
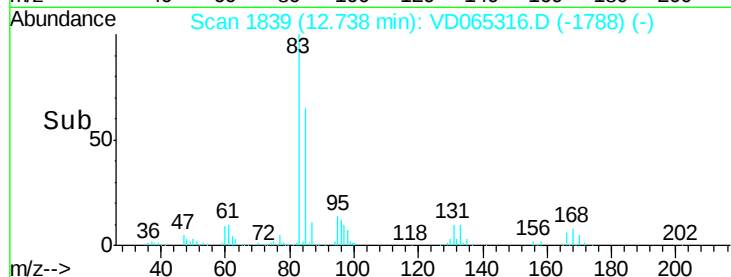
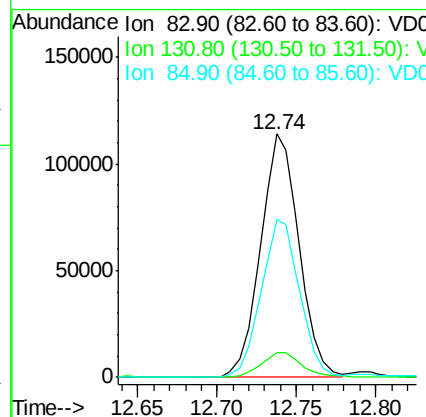
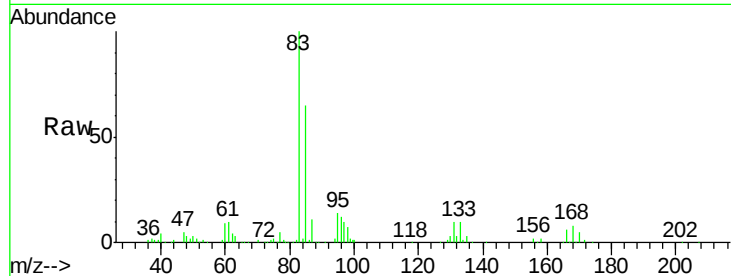
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	192174
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.4	16.2
85	65.1	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.436 ug/l m

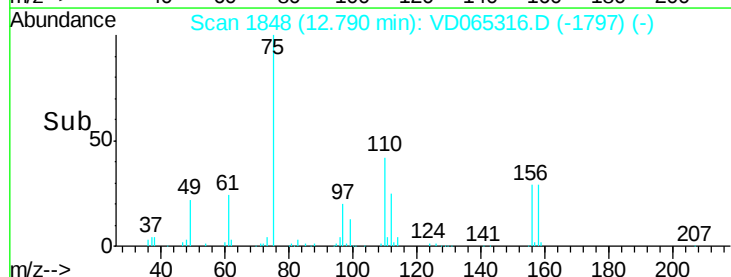
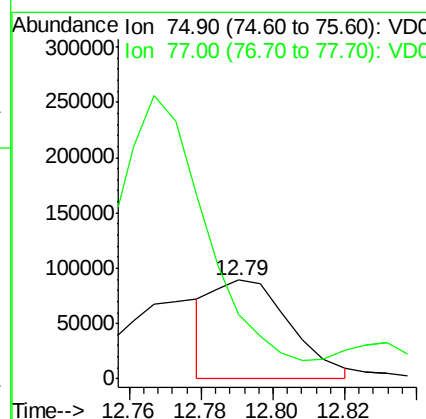
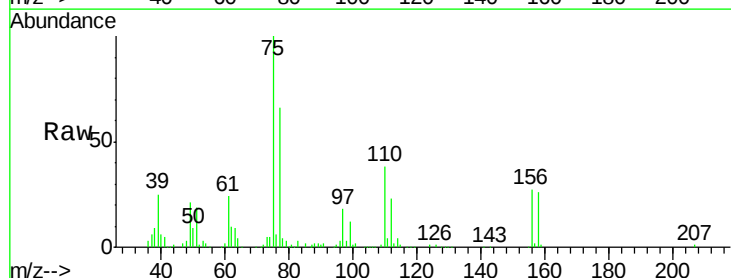
RT: 12.79 min Scan# 1848

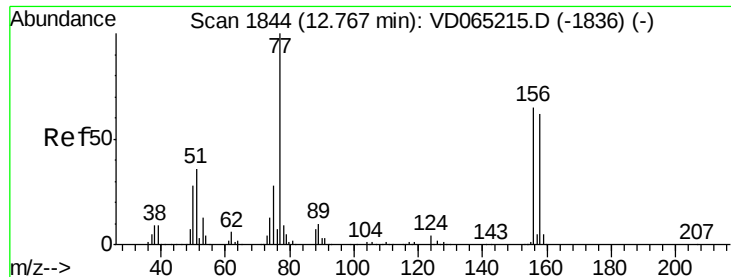
Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Tgt Ion:	75	Resp:	133786
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.651 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Instrument :

MSVOA_D

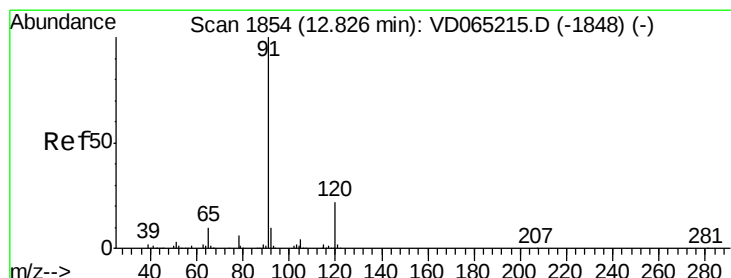
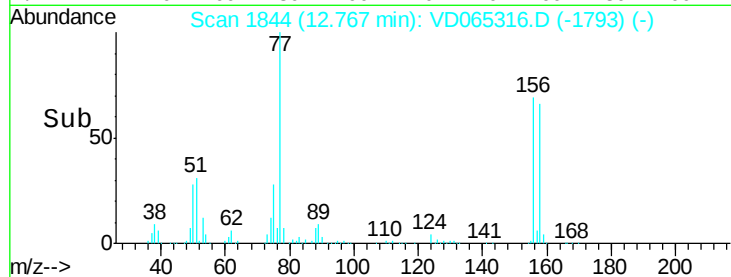
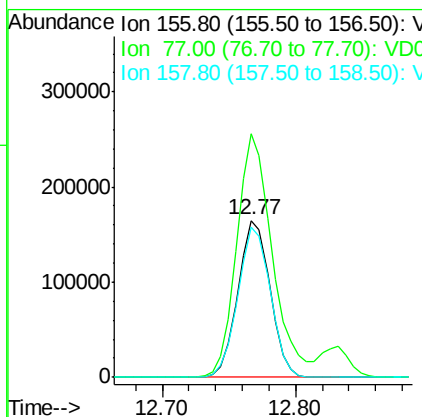
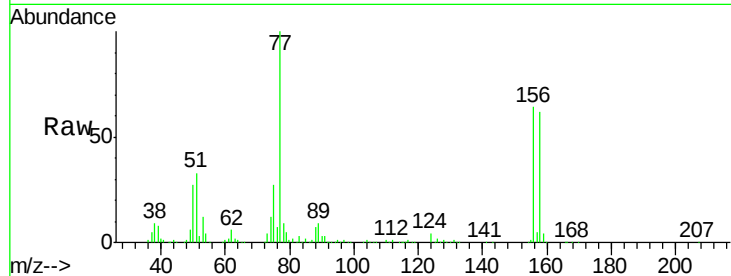
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	170.7	86.6	259.7
158	96.9	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 55.102 ug/l

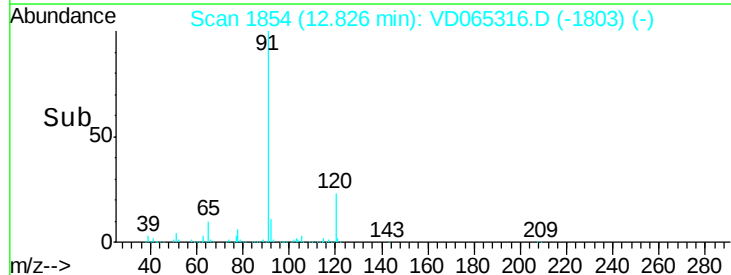
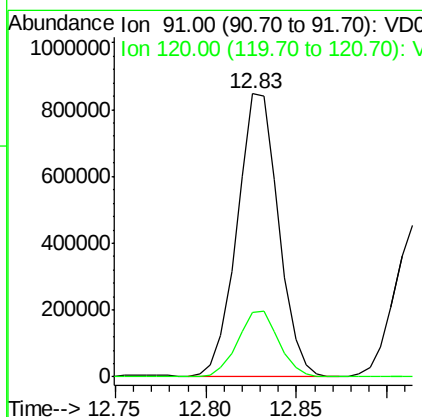
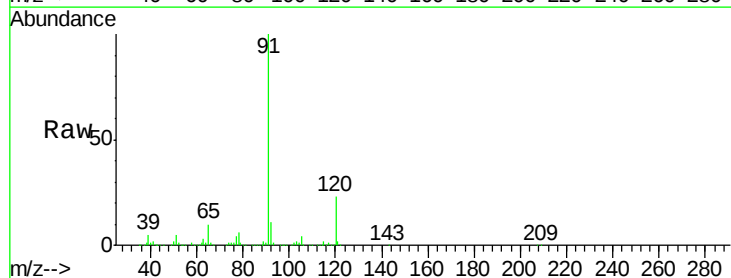
RT: 12.83 min Scan# 1854

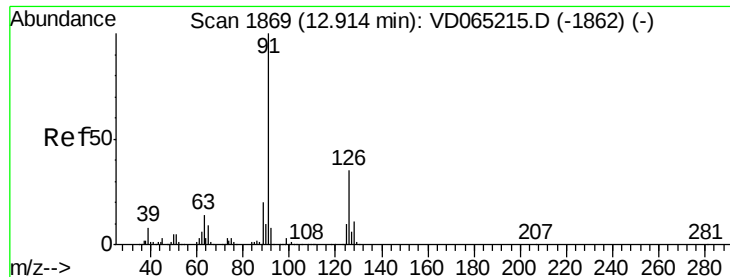
Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.5	34.5





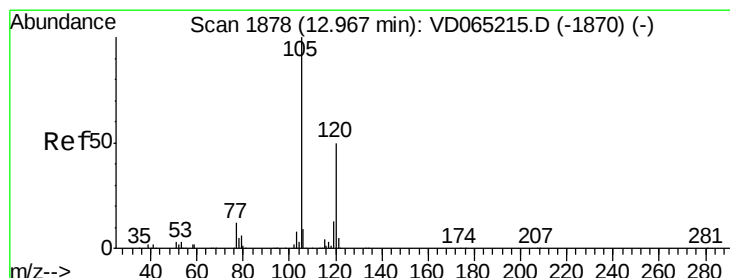
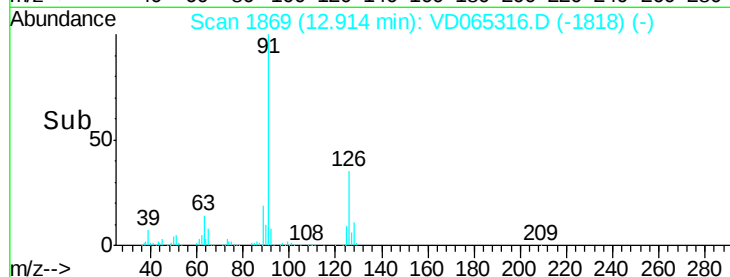
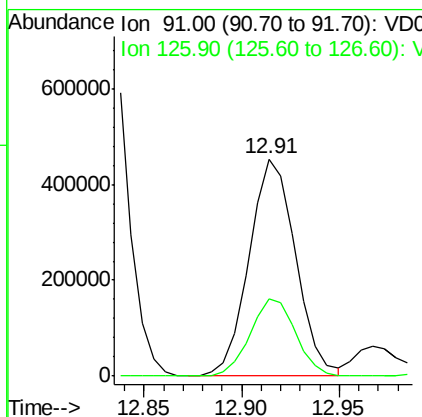
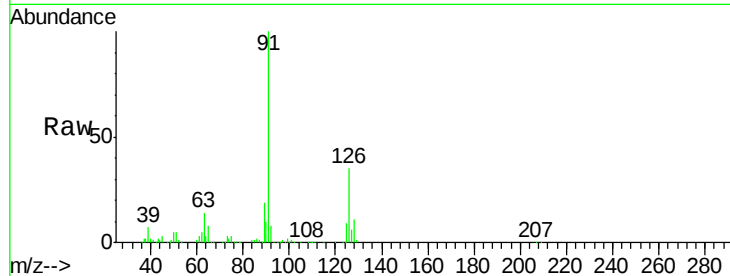
#79
 2-Chlorotoluene
 Concen: 54.763 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065316.D
 Acq: 25 Feb 2020 18:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.5	52.6

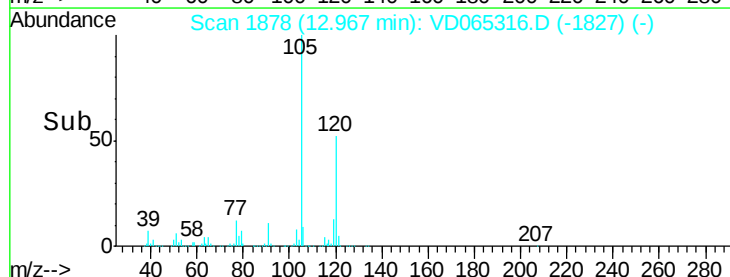
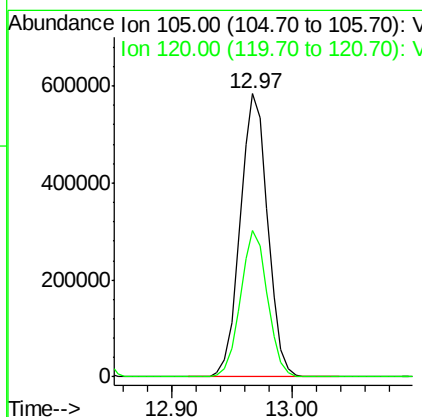
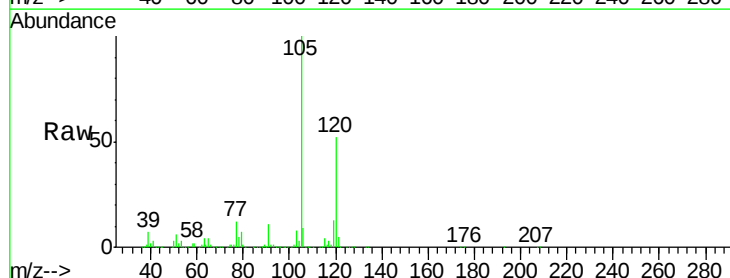
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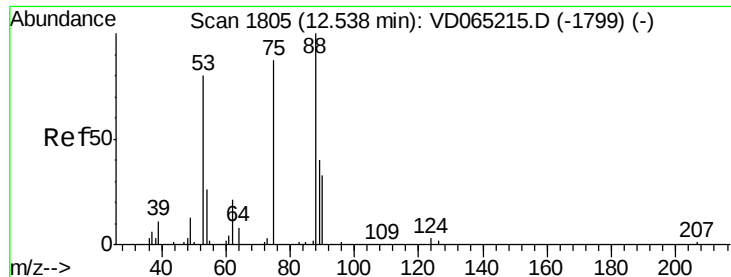
MMDadoda
 2/26/2020 10:25:43 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 55.577 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065316.D
 Acq: 25 Feb 2020 18:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.7	25.4	76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 51.630 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Instrument :

MSVOA_D

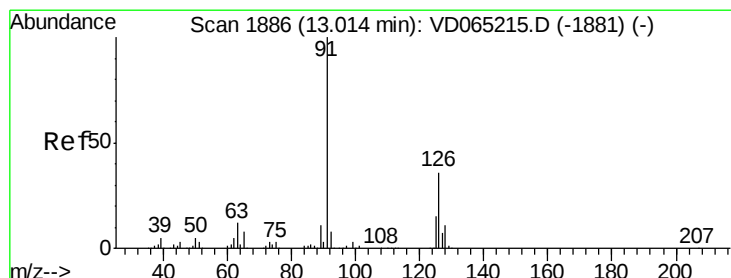
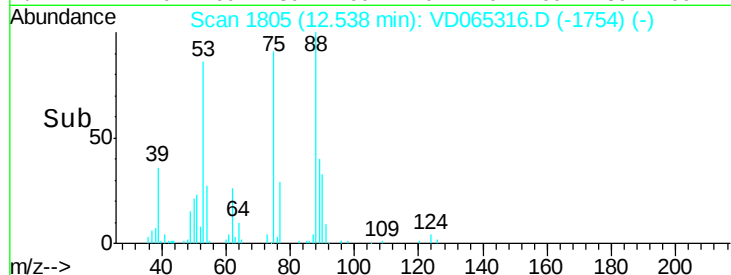
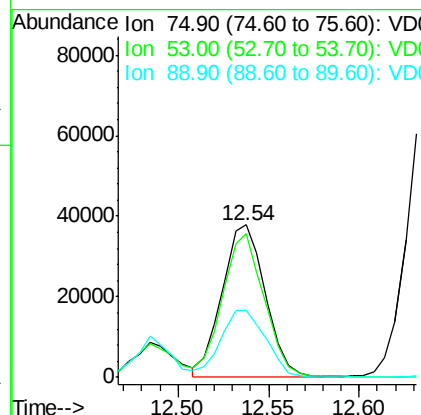
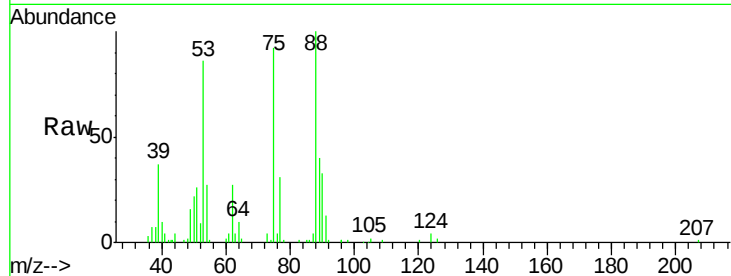
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	62195
Ion	Ratio	Lower	Upper
75	100		
53	92.4	77.6	116.4
89	46.2	37.2	55.8

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#82

4-Chlorotoluene

Concen: 54.214 ug/l

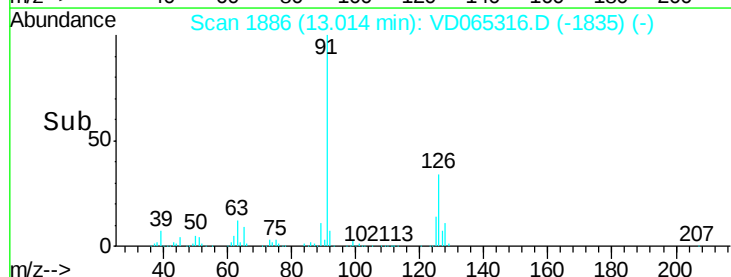
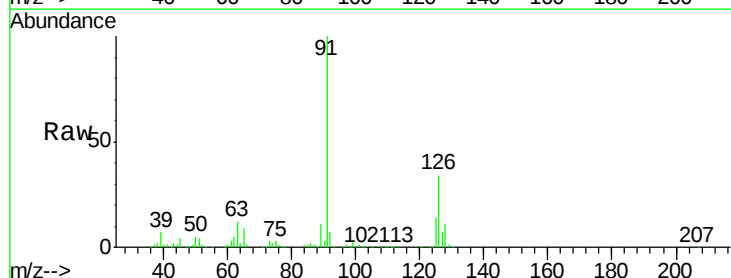
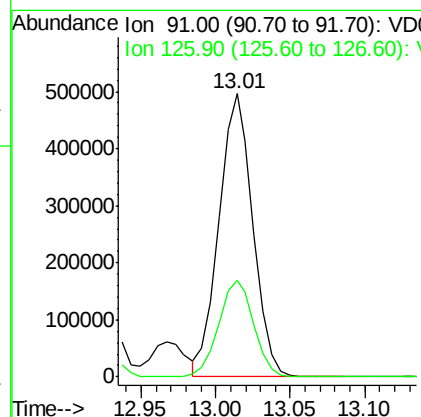
RT: 13.01 min Scan# 1886

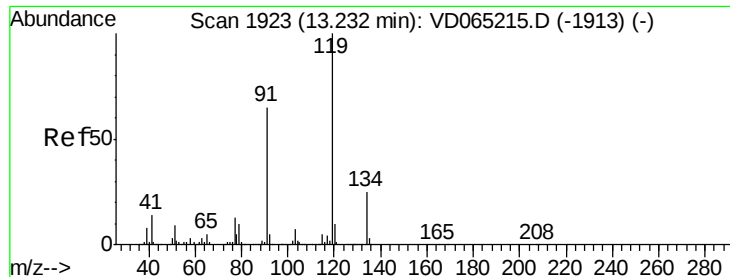
Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Tgt Ion:	91	Resp:	784202
Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.4	52.3





#83

tert-Butylbenzene

Concen: 55.392 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Instrument :

MSVOA_D

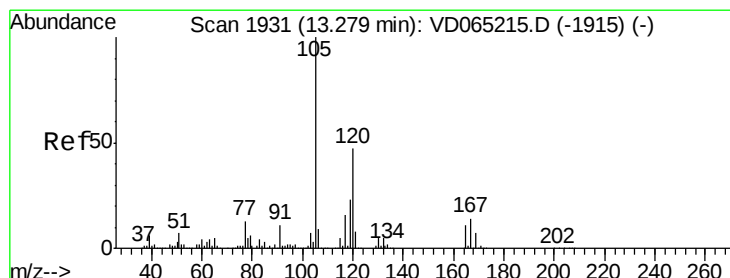
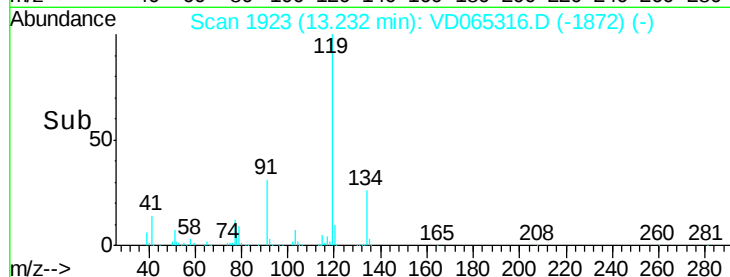
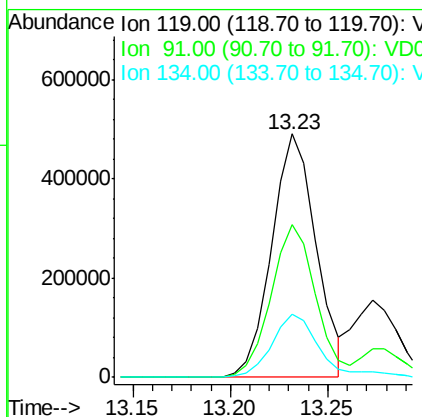
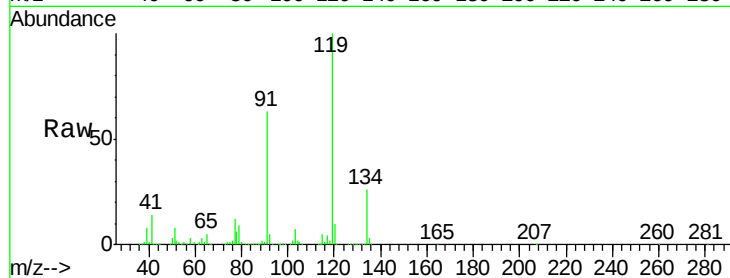
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	773878
Ion Ratio	Lower	Upper	
119	100		
91	63.1	31.9	95.5
134	27.9	13.8	41.3

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#84

1,2,4-Trimethylbenzene

Concen: 55.581 ug/l

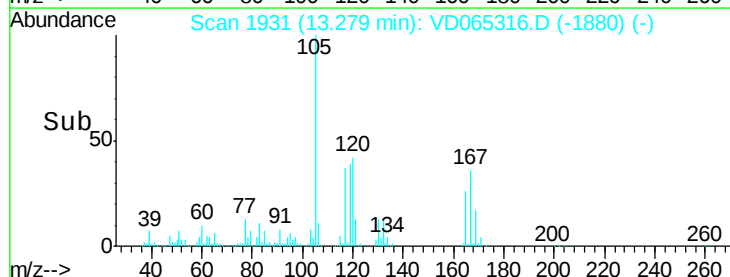
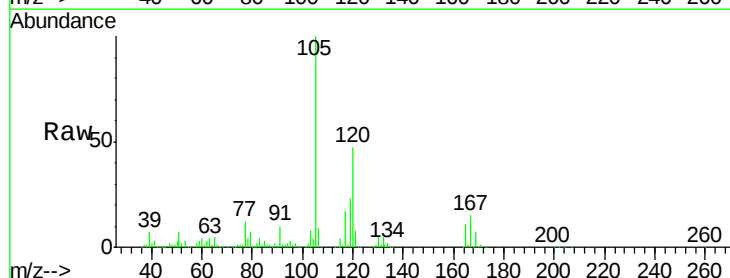
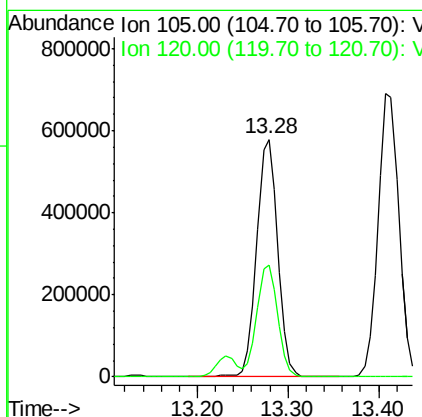
RT: 13.28 min Scan# 1931

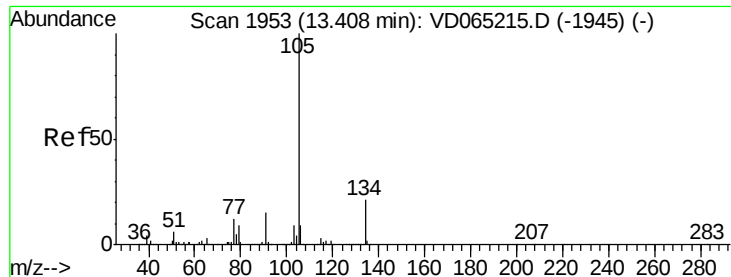
Delta R.T. 0.00 min

Lab File: VD065316.D

Acq: 25 Feb 2020 18:51

Tgt Ion:	105	Resp:	927357
Ion Ratio	Lower	Upper	
105	100		
120	46.8	23.3	69.9





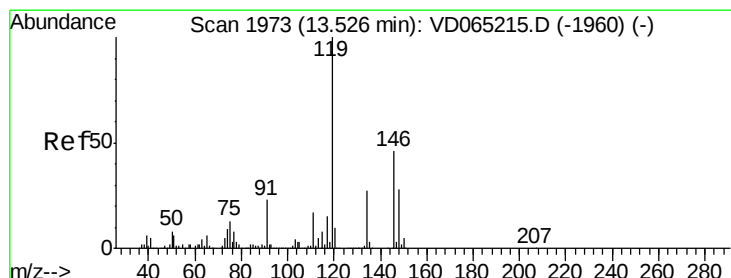
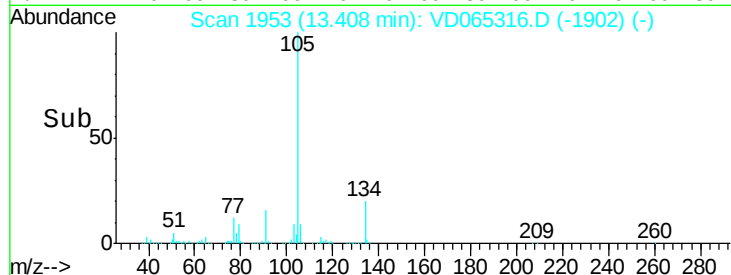
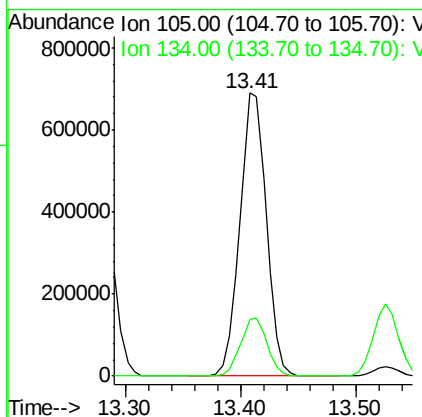
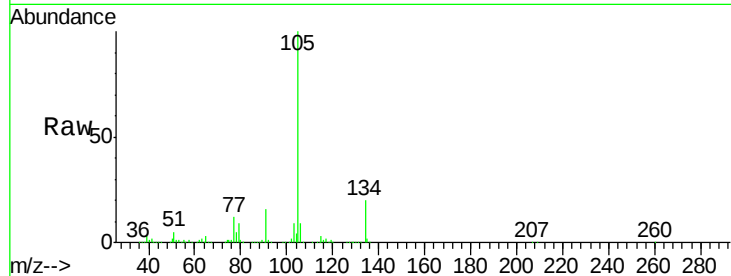
#85
 sec-Butylbenzene
 Concen: 54.432 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065316.D
 Acq: 25 Feb 2020 18:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.9

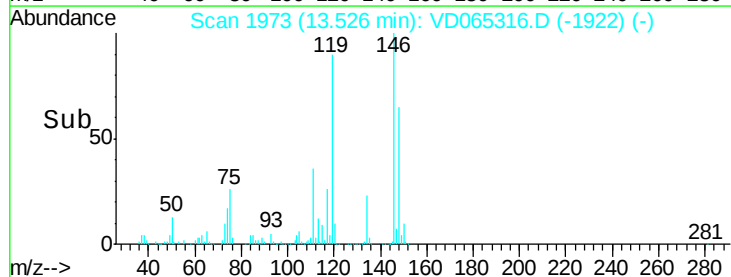
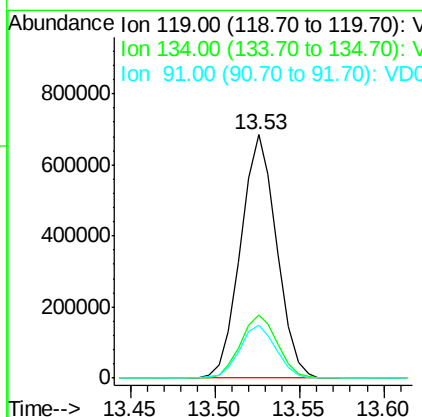
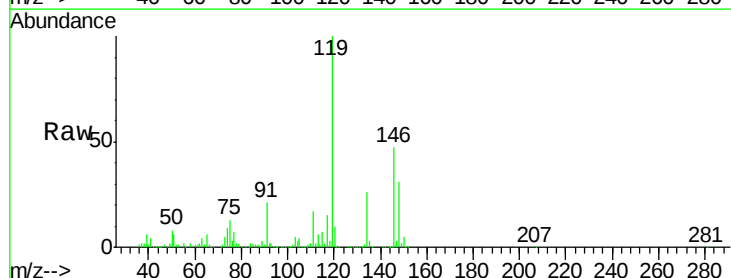
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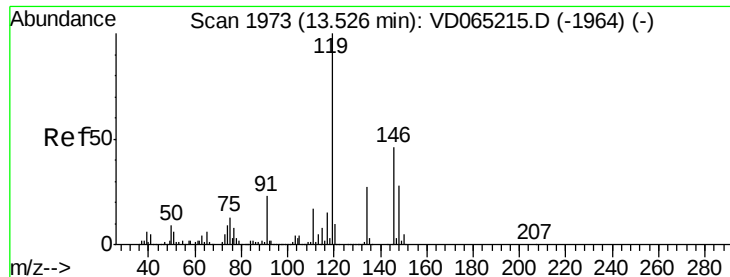
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#86
 p-Isopropyltoluene
 Concen: 55.202 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065316.D
 Acq: 25 Feb 2020 18:51

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.3	39.8
91	21.7	11.1	33.1





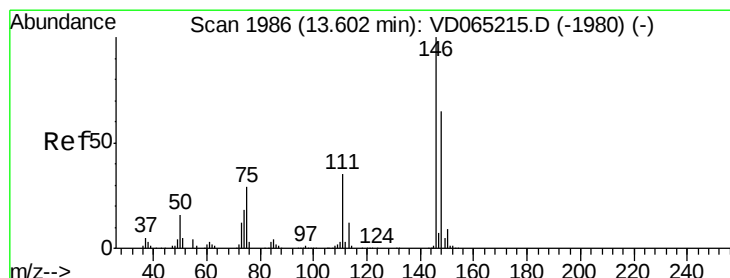
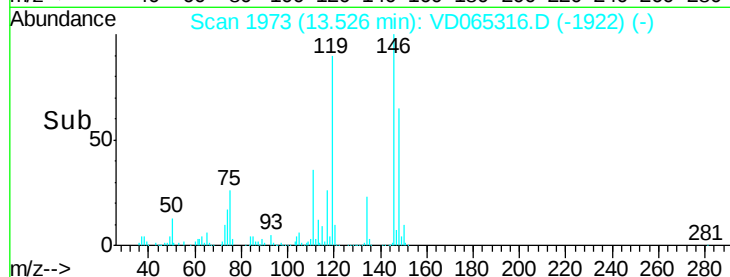
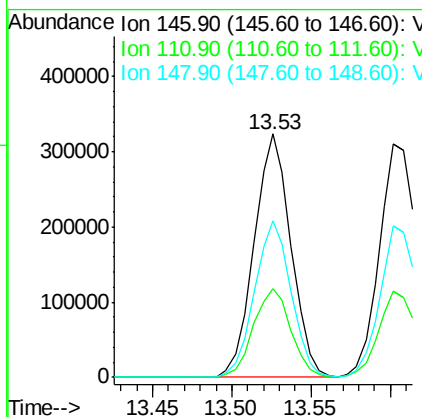
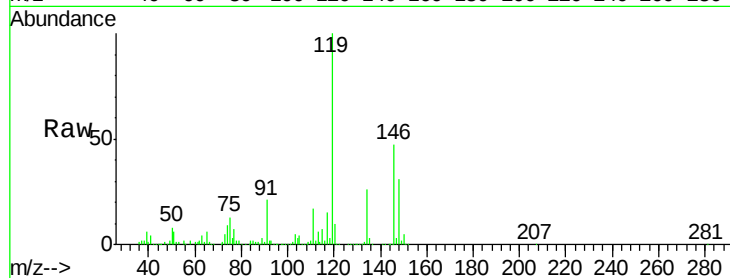
#87
 1,3-Dichlorobenzene
 Concen: 53.696 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065316.D
 Acq: 25 Feb 2020 18:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	64.1	31.4	94.3

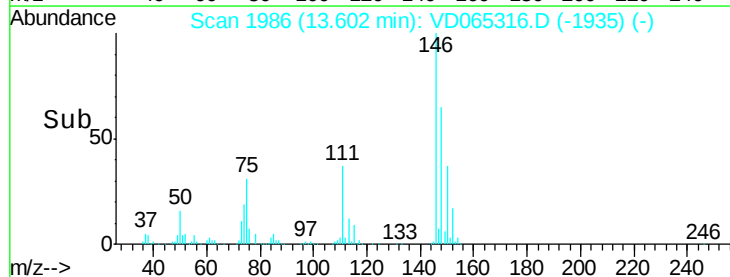
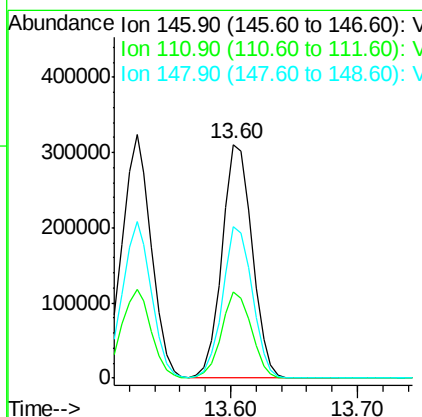
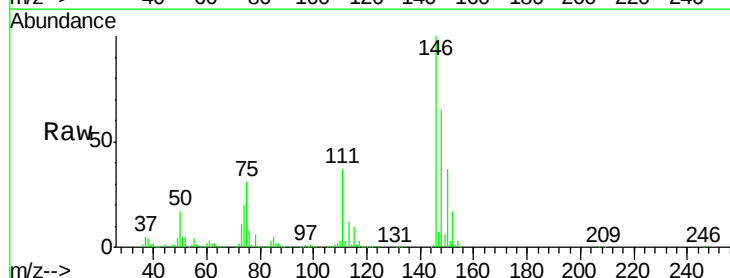
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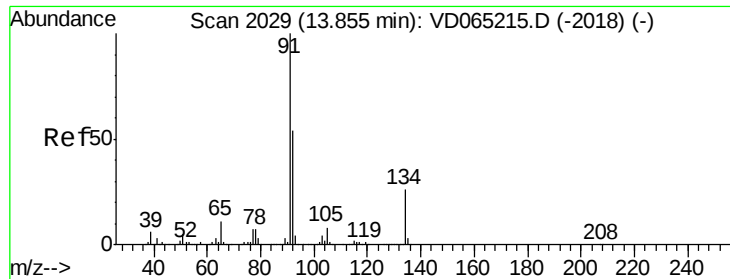
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#88
 1,4-Dichlorobenzene
 Concen: 53.359 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065316.D
 Acq: 25 Feb 2020 18:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.4	55.2
148	64.0	32.1	96.5





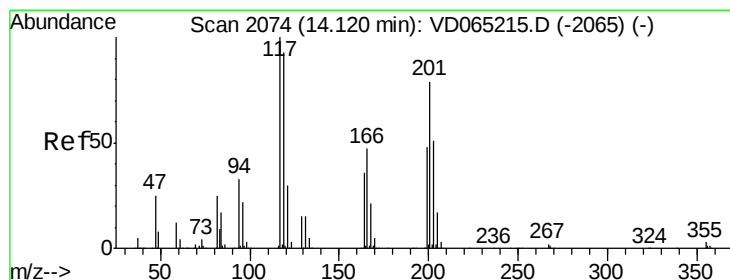
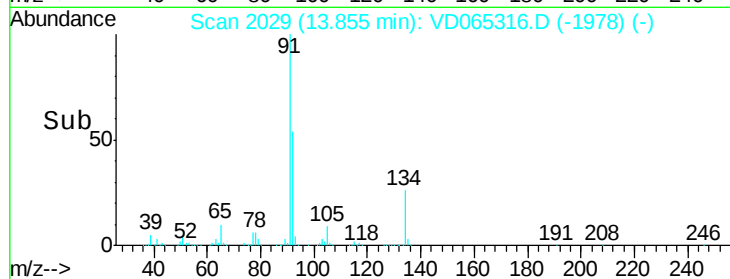
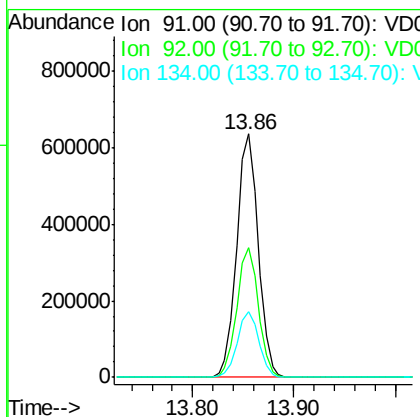
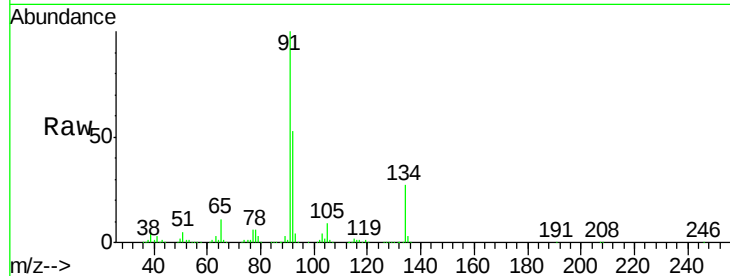
#89
n-Butylbenzene
Concen: 55.413 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.0	80.8
134	27.0	13.5	40.4

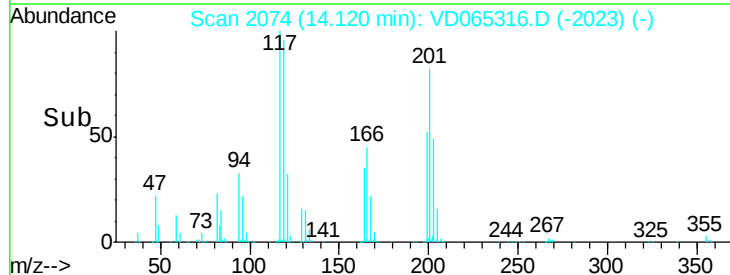
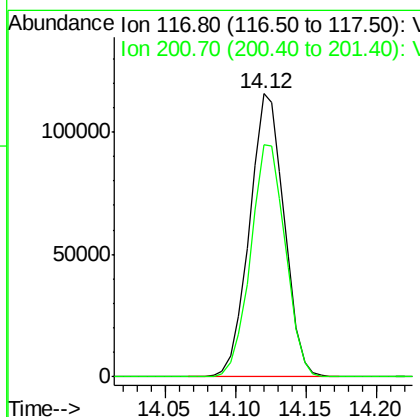
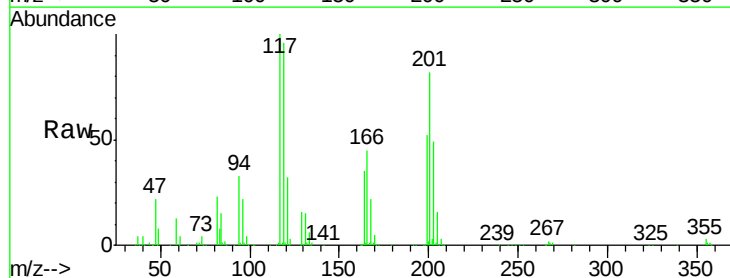
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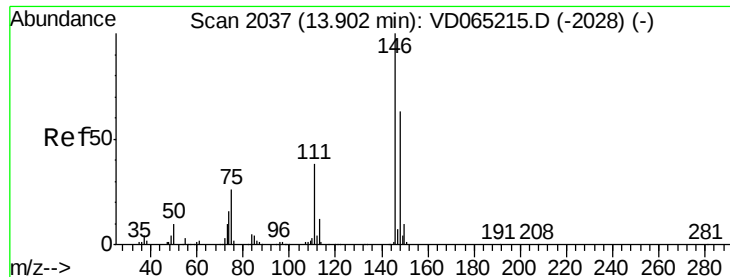
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#90
Hexachloroethane
Concen: 53.289 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.2	41.3	124.1





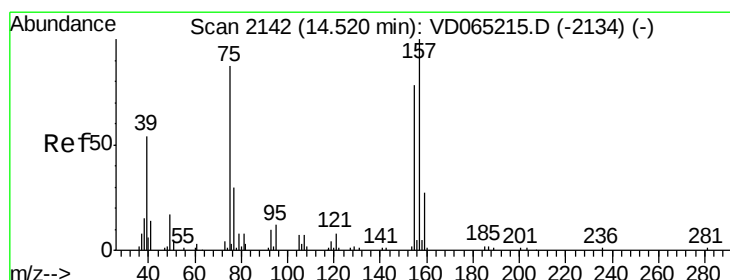
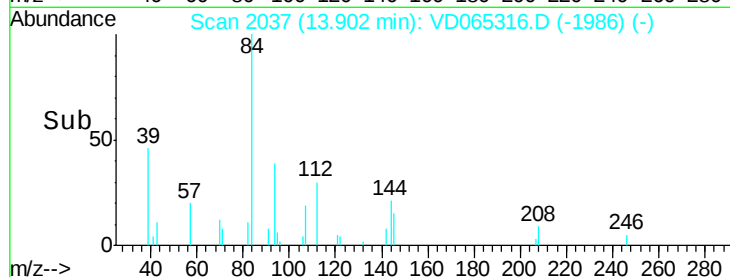
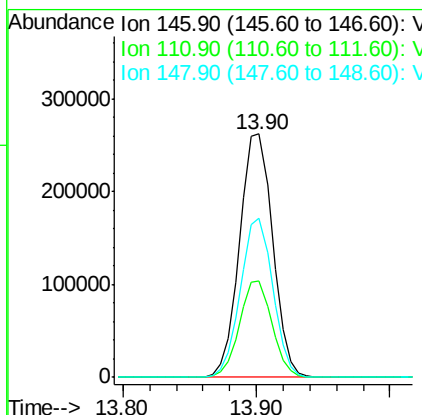
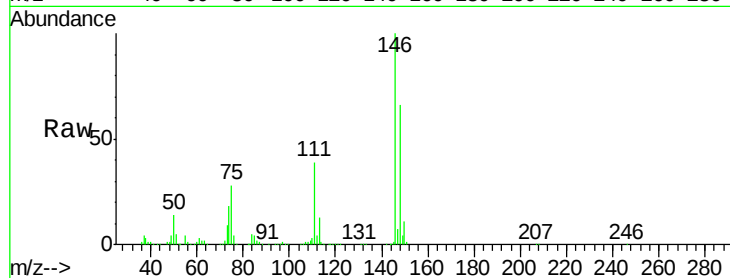
#91
 1,2-Dichlorobenzene
 Concen: 53.942 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065316.D
 Acq: 25 Feb 2020 18:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	64.2	32.0	96.2

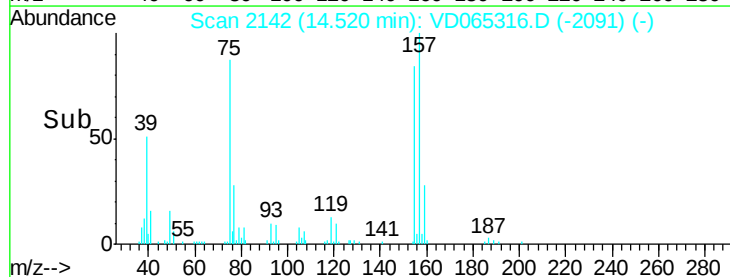
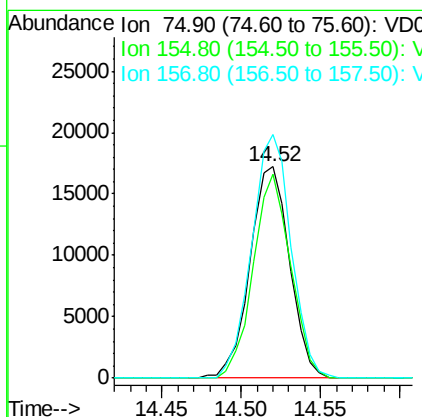
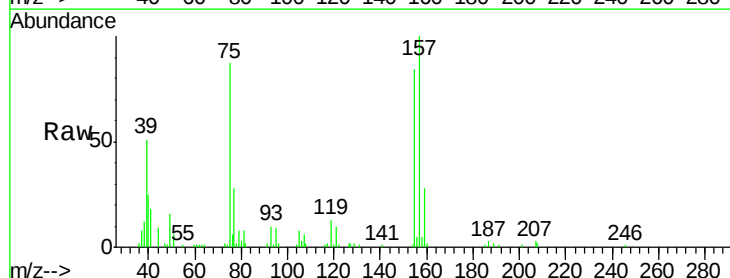
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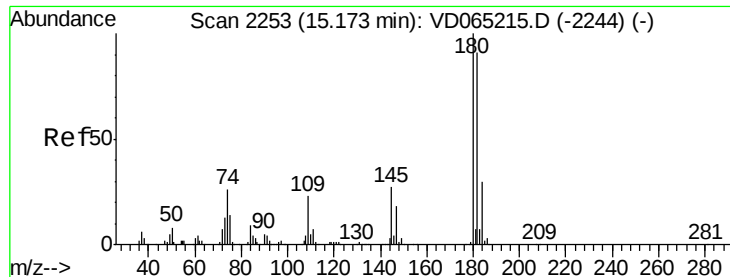
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.294 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065316.D
 Acq: 25 Feb 2020 18:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.9	42.3	126.9
157	114.8	56.7	170.1





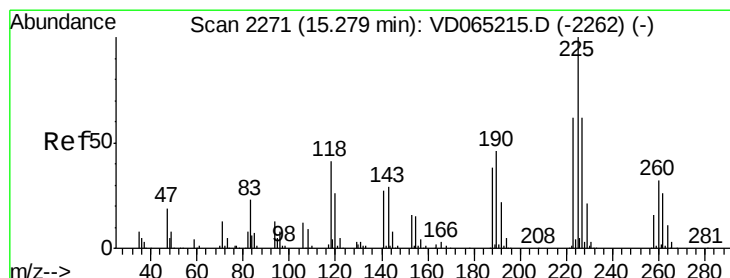
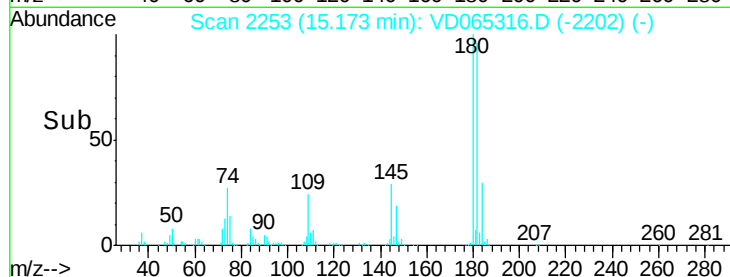
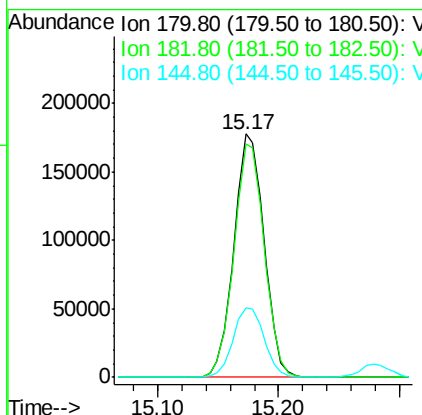
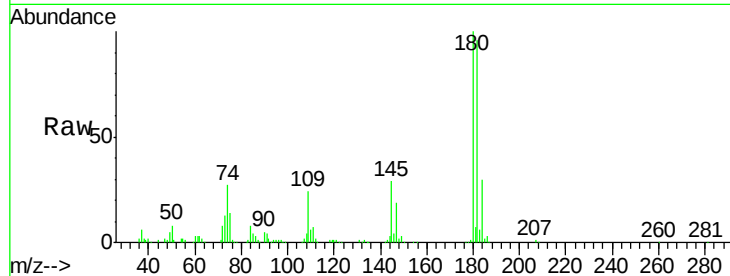
#93
 1,2,4-Trichlorobenzene
 Concen: 56.648 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065316.D
 Acq: 25 Feb 2020 18:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	309115
Ion Ratio	Lower	Upper	
180	100		
182	96.8	46.9	140.6
145	29.5	13.9	41.7

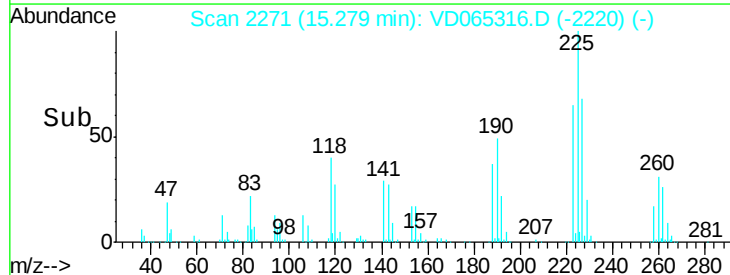
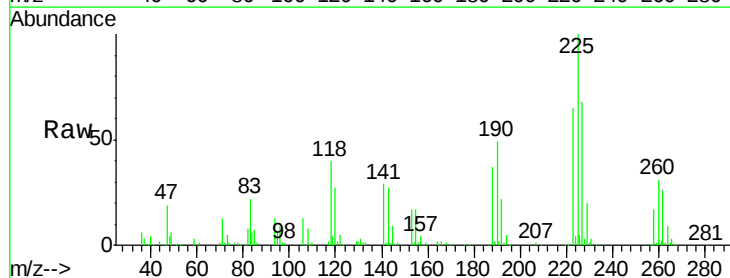
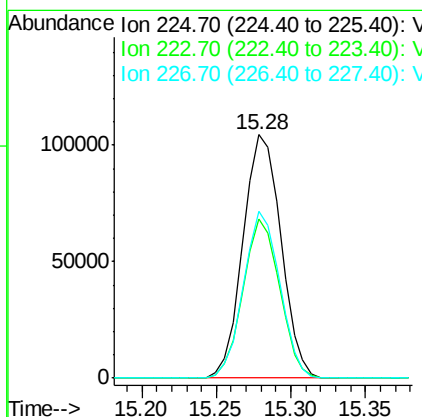
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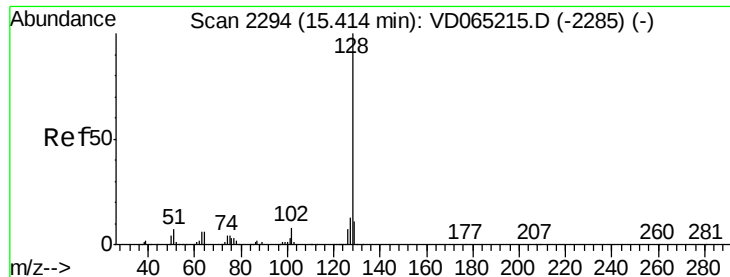
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 2/26/2020 10:25:43 AM



#94
 Hexachlorobutadiene
 Concen: 52.797 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065316.D
 Acq: 25 Feb 2020 18:51

Tgt Ion:	225	Resp:	184812
Ion Ratio	Lower	Upper	
225	100		
223	63.0	31.4	94.2
227	65.4	31.7	95.1





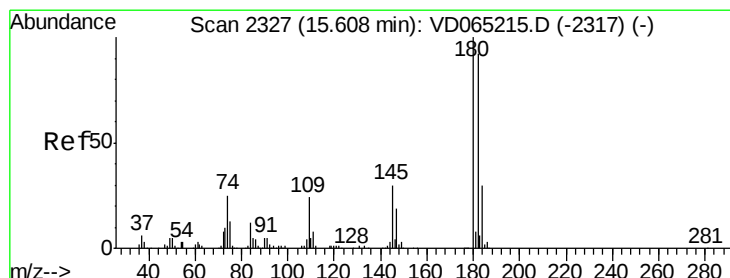
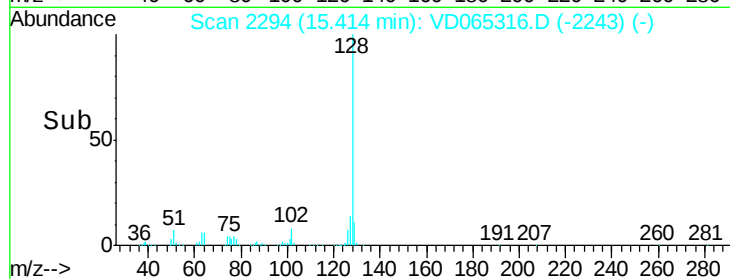
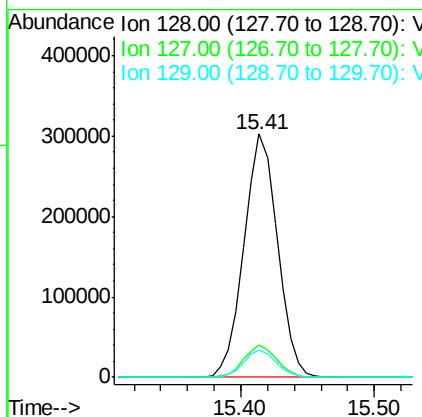
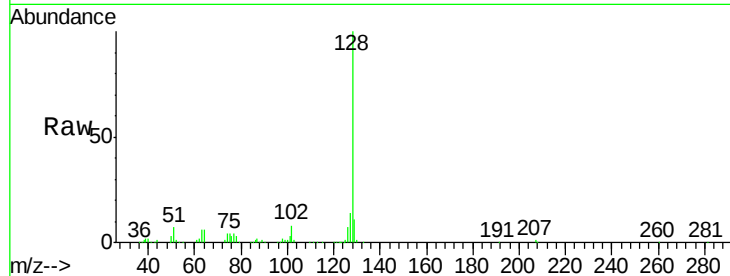
#95
Naphthalene
Concen: 59.300 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	13.1	10.3	15.5	
129	10.8	8.8	13.2	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 57.257 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065316.D
Acq: 25 Feb 2020 18:51

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.9	46.9	140.6	
145	30.3	15.4	46.1	

