

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065216.D
 Acq On : 18 Feb 2020 12:26
 Operator : VA/SY
 Sample : VSTDIC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

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 2/19/2020 1:44:13 PM

Quant Time: Feb 19 03:21:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 02:58:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	500982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	731927	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	662130	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	323555	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	437739	97.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.26%	
35) Dibromofluoromethane	7.92	113	449044	100.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.24%	
50) Toluene-d8	10.34	98	1792980	105.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.18%	
62) 4-Bromofluorobenzene	12.64	95	566900	104.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	445838	106.103	ug/l	100
3) Chloromethane	2.21	50	528400	98.798	ug/l	100
4) Vinyl Chloride	2.35	62	550494	101.222	ug/l	99
5) Bromomethane	2.76	94	316244	96.174	ug/l	99
6) Chloroethane	2.91	64	323683	97.504	ug/l	97
7) Trichlorofluoromethane	3.27	101	767178	98.530	ug/l	99
8) Diethyl Ether	3.71	74	230811	98.205	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	482746	98.178	ug/l	99
10) Methyl Iodide	4.29	142	598818	117.293	ug/l	100
11) Tert butyl alcohol	5.26	59	129337	480.246	ug/l	98
12) 1,1-Dichloroethene	4.06	96	466748	100.487	ug/l	94
13) Acrolein	3.93	56	158746	395.951	ug/l	98
14) Allyl chloride	4.71	41	786078	104.216	ug/l	99
15) Acrylonitrile	5.43	53	523986	503.562	ug/l	99
16) Acetone	4.16	43	584671	530.698	ug/l	98
17) Carbon Disulfide	4.40	76	1573034	101.014	ug/l	100
18) Methyl Acetate	4.72	43	237396	95.809	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	1035783	106.935	ug/l	100
20) Methylene Chloride	4.96	84	500643	89.520	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	535484	101.411	ug/l	96
22) Diisopropyl ether	6.37	45	1513565	104.090	ug/l	99
23) Vinyl Acetate	6.31	43	4441812	554.097	ug/l	100
24) 1,1-Dichloroethane	6.27	63	900338	99.825	ug/l	99
25) 2-Butanone	7.22	43	720865	517.160	ug/l	100
26) 2,2-Dichloropropane	7.21	77	779987	99.675	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	572861	102.421	ug/l	100
28) Bromochloromethane	7.55	49	331982	99.215	ug/l	98
29) Tetrahydrofuran	7.57	42	428426	524.573	ug/l	100
30) Chloroform	7.71	83	884797	97.374	ug/l	98
31) Cyclohexane	7.99	56	877694	99.045	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	813380	100.048	ug/l	100
36) 1,1-Dichloropropene	8.11	75	739642	103.857	ug/l	100
37) Ethyl Acetate	7.30	43	303881	102.070	ug/l	99
38) Carbon Tetrachloride	8.10	117	747923	103.165	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	947567	113.176	ug/l	98
40) Benzene	8.36	78	2079919	103.470	ug/l	99
41) Methacrylonitrile	7.53	41	195012	113.444	ug/l	90
42) 1,2-Dichloroethane	8.43	62	549827	99.494	ug/l	100
43) Isopropyl Acetate	8.46	43	573255	105.885	ug/l	100
44) Trichloroethene	9.11	130	578287	103.782	ug/l	96
45) 1,2-Dichloropropane	9.39	63	505891	101.210	ug/l	98
46) Dibromomethane	9.48	93	257142	99.985	ug/l	98
47) Bromodichloromethane	9.67	83	686220	101.248	ug/l	97
48) Methyl methacrylate	9.46	41	276414	110.456	ug/l	97
49) 1,4-Dioxane	9.47	88	63857	2117.043	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	1472724	535.574	ug/l	100
52) Toluene	10.41	92	1340152	107.708	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	674565	107.377	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	809205	106.670	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	358010	98.903	ug/l	95
56) Ethyl methacrylate	10.67	69	472799	113.162	ug/l	99
57) 1,3-Dichloropropane	10.95	76	636663	103.340	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	631565	479.466	ug/l	100
59) 2-Hexanone	10.99	43	1099654	558.647	ug/l	98
60) Dibromochloromethane	11.14	129	468698	101.163	ug/l	100
61) 1,2-Dibromoethane	11.25	107	351567	102.579	ug/l	99
64) Tetrachloroethene	10.88	164	487867	103.889	ug/l	99
65) Chlorobenzene	11.68	112	1368918	103.025	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	511223	103.101	ug/l	99
67) Ethyl Benzene	11.75	91	2525876	108.540	ug/l	99
68) m/p-Xylenes	11.86	106	1936036	217.449	ug/l	98
69) o-Xylene	12.18	106	876194	111.080	ug/l	100
70) Styrene	12.20	104	1550598	110.720	ug/l	100
71) Bromoform	12.37	173	281826	102.428	ug/l #	99
73) Isopropylbenzene	12.48	105	2394544	111.786	ug/l	99
74) N-amyl acetate	12.30	43	527712	110.868	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	384881	99.556	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	255213m	55.041	ug/l	
77) Bromobenzene	12.77	156	559211	105.131	ug/l	99
78) n-propylbenzene	12.83	91	2817495	109.452	ug/l	99
79) 2-Chlorotoluene	12.91	91	1554512	107.797	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1953167	110.706	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	135147	106.000	ug/l	97
82) 4-Chlorotoluene	13.01	91	1609990	105.162	ug/l	100
83) tert-Butylbenzene	13.23	119	1674882	113.268	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	1936774	109.676	ug/l	100
85) sec-Butylbenzene	13.41	105	2349360	110.261	ug/l	100
86) p-Isopropyltoluene	13.53	119	2189688	112.376	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	1066670	103.730	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1044742	102.941	ug/l	99
89) n-Butylbenzene	13.86	91	2016034	112.280	ug/l	99
90) Hexachloroethane	14.12	117	415810	105.097	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	912476	103.345	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	60054	100.801	ug/l	94

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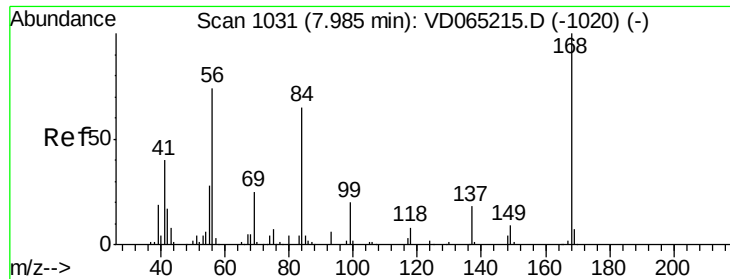
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	627042	108.570	ug/l	98
94) Hexachlorobutadiene	15.28	225	395141	106.655	ug/l	99
95) Naphthalene	15.41	128	1092145	116.321	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	546219	108.288	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 500982

Ion Ratio Lower Upper

168 100

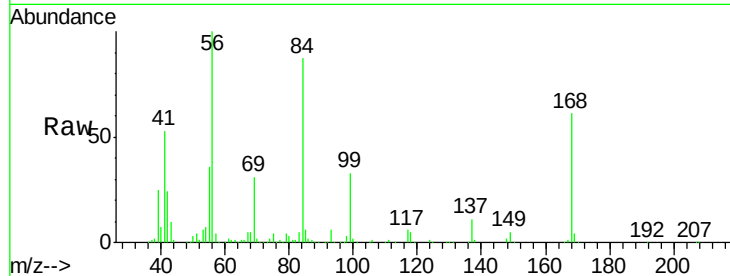
99 53.2 41.4 62.2

Manual Integrations

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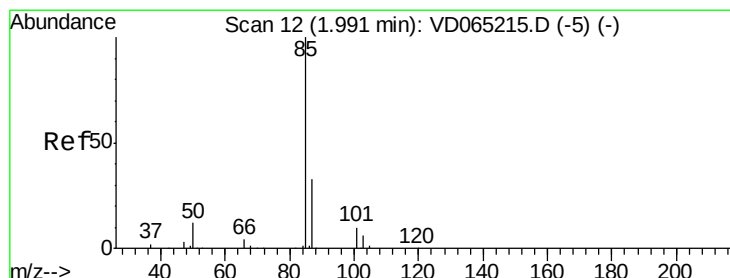
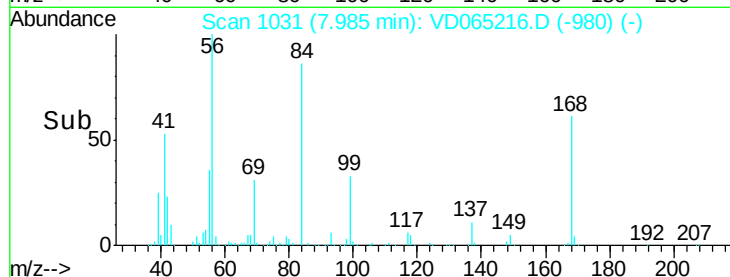
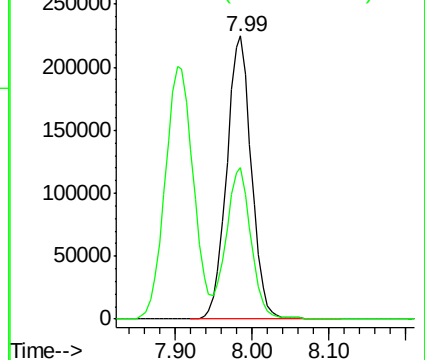
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 106.103 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065216.D

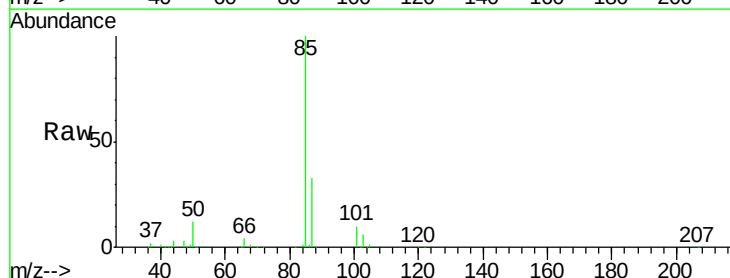
Acq: 18 Feb 2020 12:26

Tgt Ion: 85 Resp: 445838

Ion Ratio Lower Upper

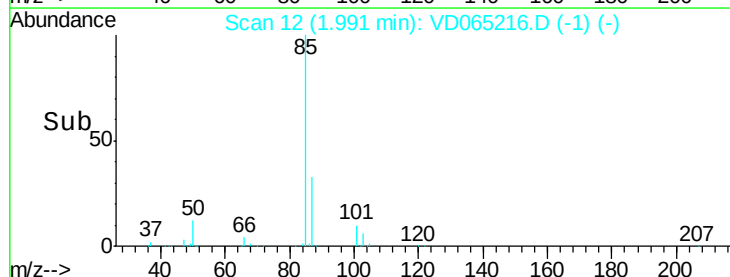
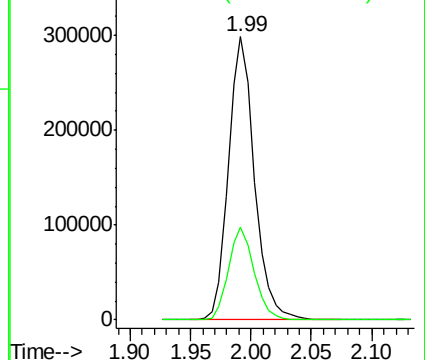
85 100

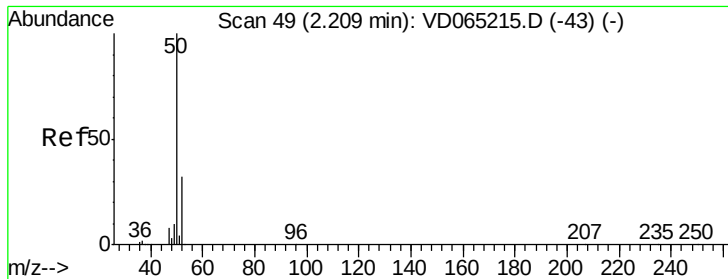
87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 98.798 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 528400

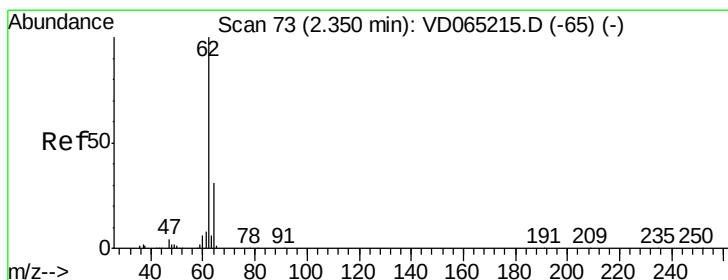
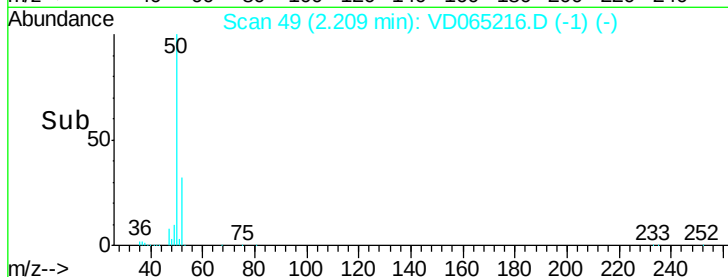
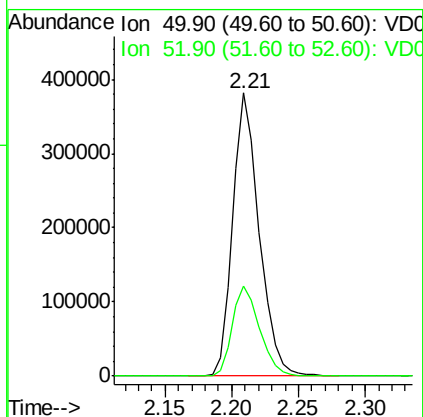
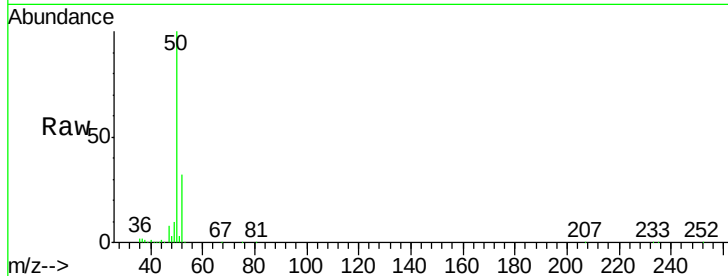
Ion Ratio Lower Upper

50 100

52 31.9 25.5 38.3

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#4

Vinyl Chloride

Concen: 101.222 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065216.D

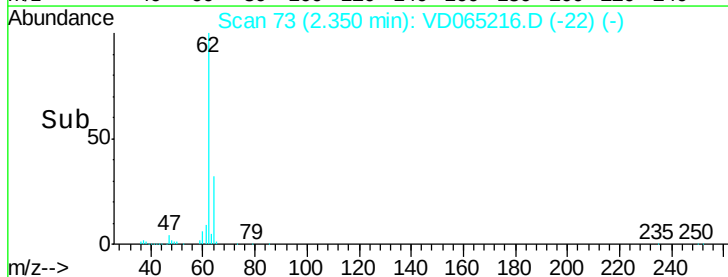
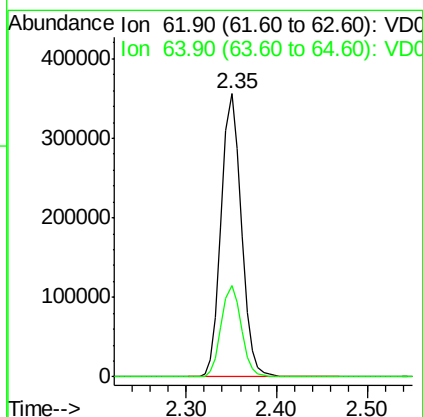
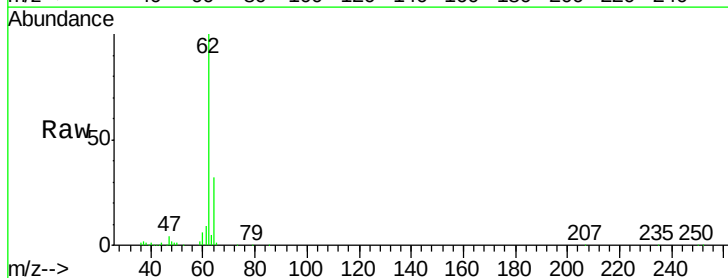
Acq: 18 Feb 2020 12:26

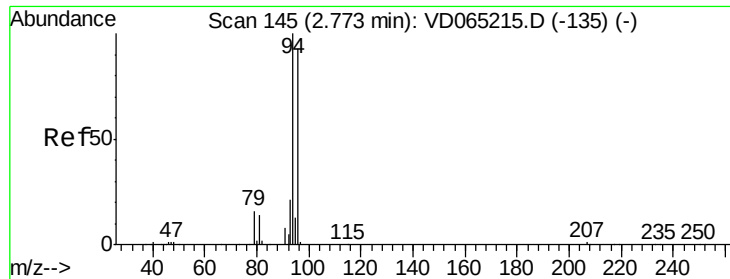
Tgt Ion: 62 Resp: 550494

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.6





#5

Bromomethane

Concen: 96.174 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 316244

Ion Ratio Lower Upper

94 100

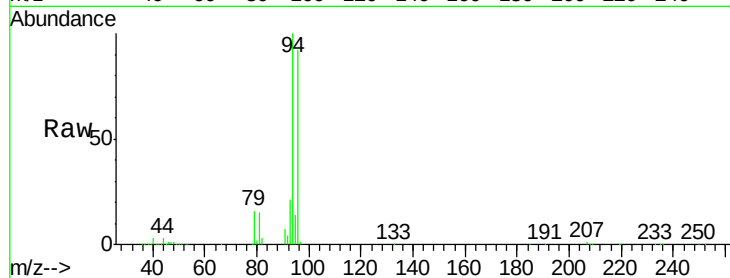
96 92.1 74.2 111.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

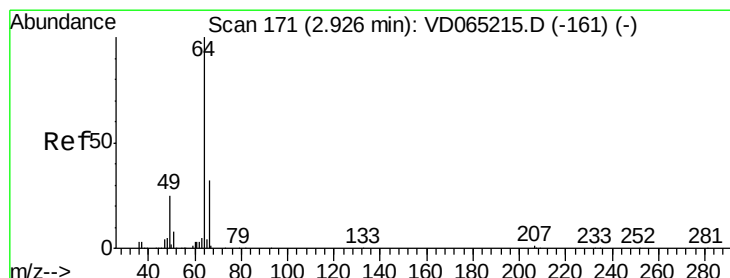
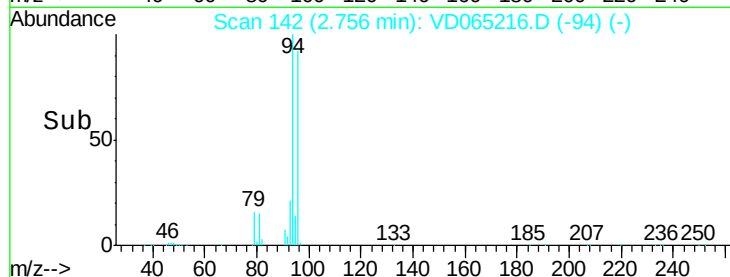
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 97.504 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065216.D

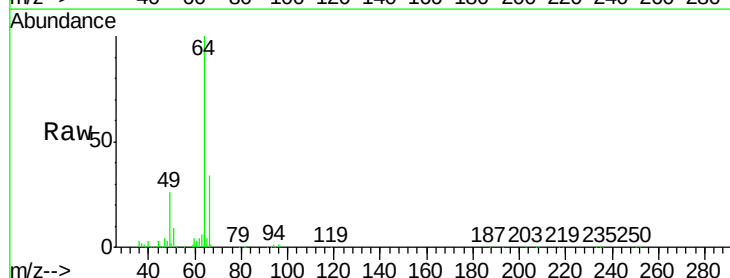
Acq: 18 Feb 2020 12:26

Tgt Ion: 64 Resp: 323683

Ion Ratio Lower Upper

64 100

66 33.6 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.91

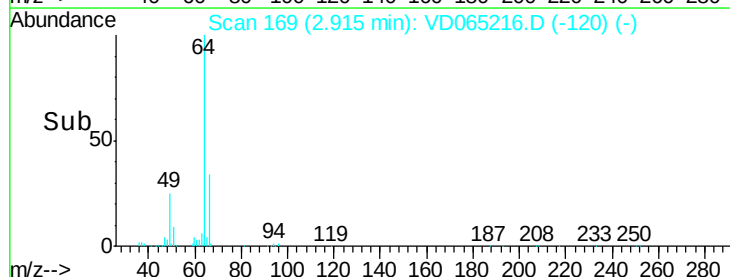
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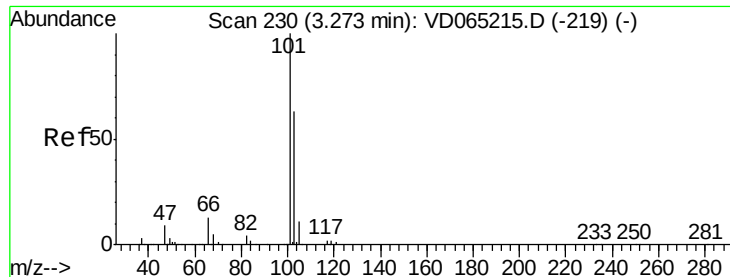
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Time-->





#7

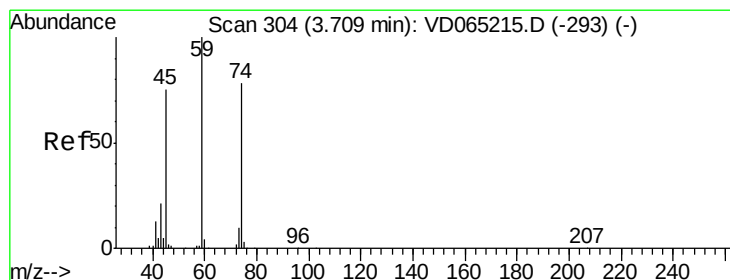
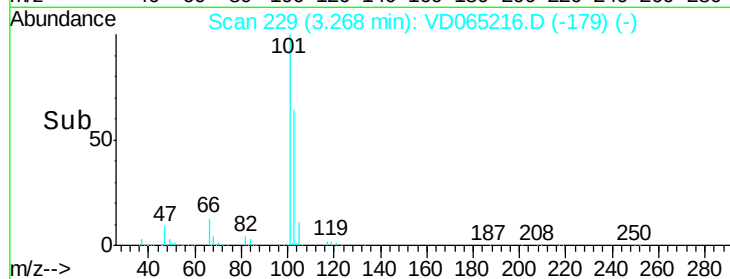
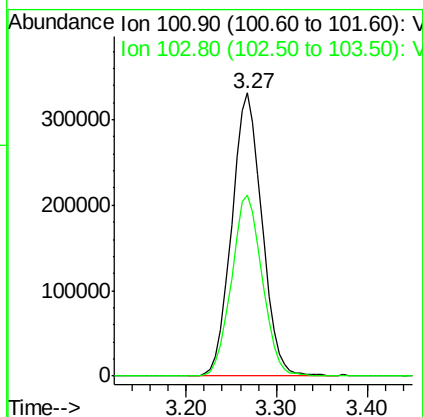
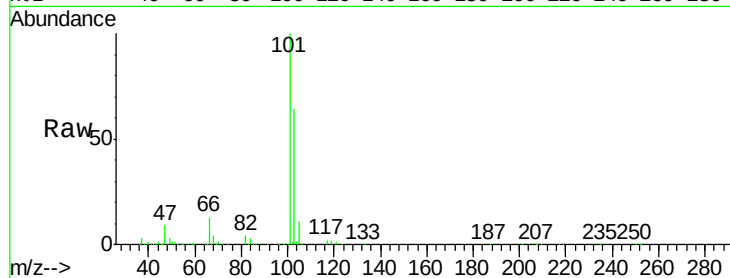
Trichlorofluoromethane
 Concen: 98.530 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065216.D
 Acq: 18 Feb 2020 12:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	50.7	76.1

Manual Integrations
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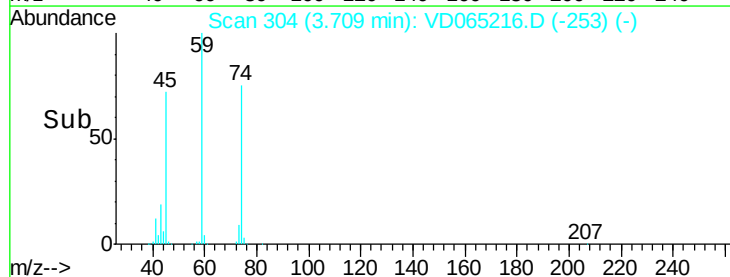
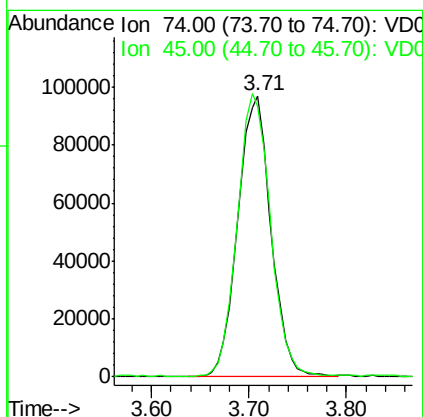
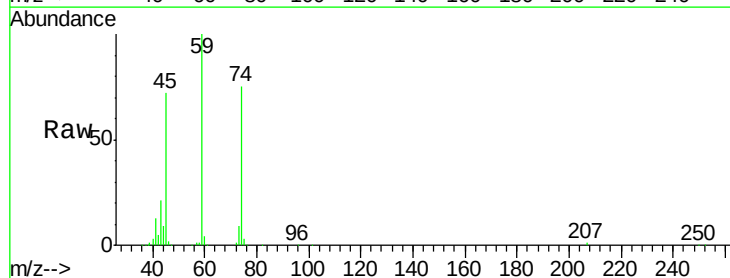
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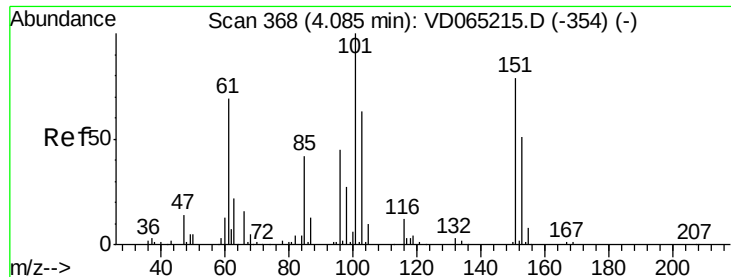


#8

Diethyl Ether
 Concen: 98.205 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065216.D
 Acq: 18 Feb 2020 12:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.3	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.178 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Instrument :

MSVOA_D

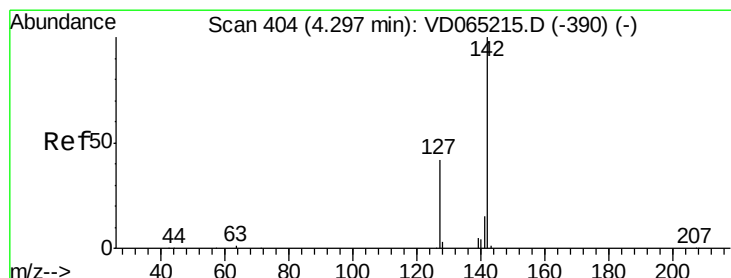
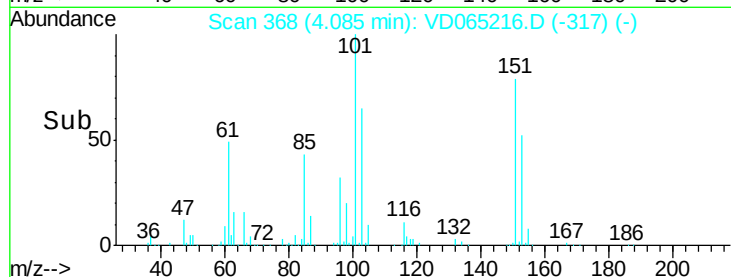
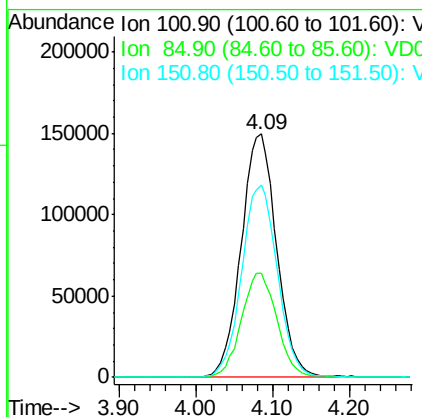
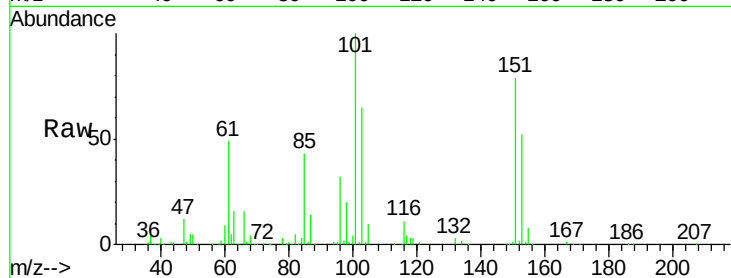
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	482746
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.2	51.2
151	80.0	63.5	95.3

Manual Integrations
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2/19/2020 1:44:13 PM



#10

Methyl Iodide

Concen: 117.293 ug/l

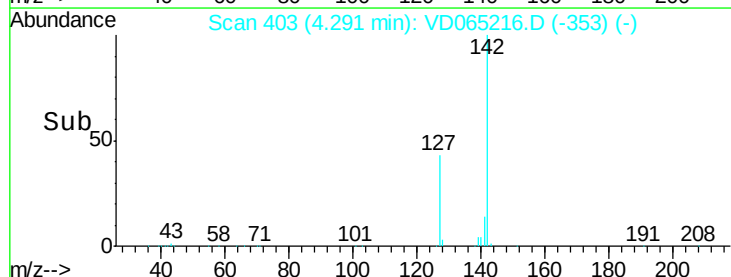
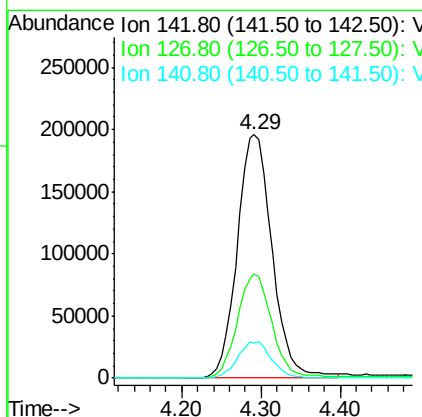
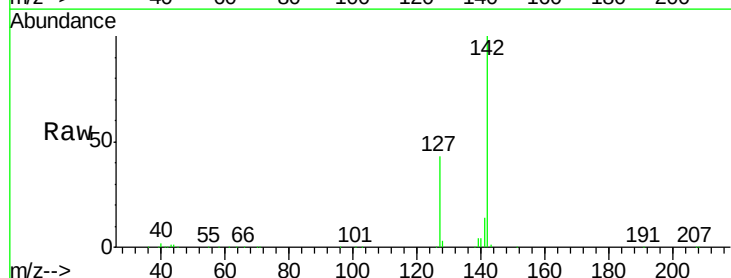
RT: 4.29 min Scan# 403

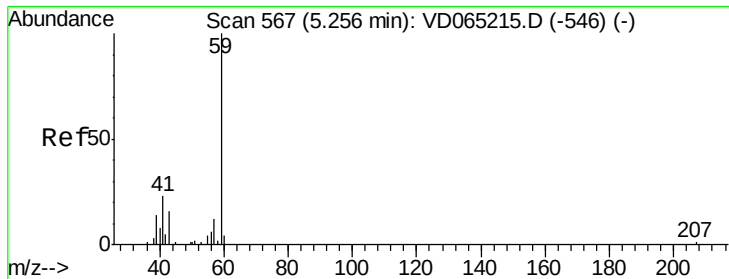
Delta R.T. -0.01 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Tgt Ion:	142	Resp:	598818
Ion Ratio	Lower	Upper	
142	100		
127	42.5	33.8	50.8
141	14.6	11.7	17.5





#11

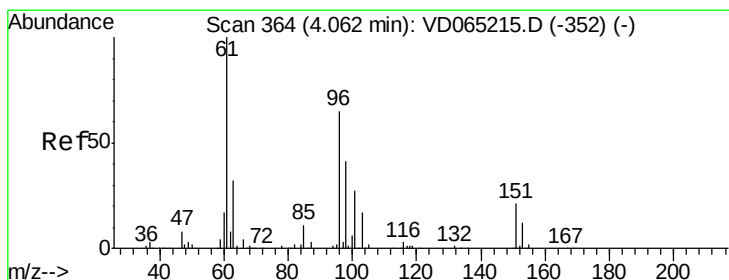
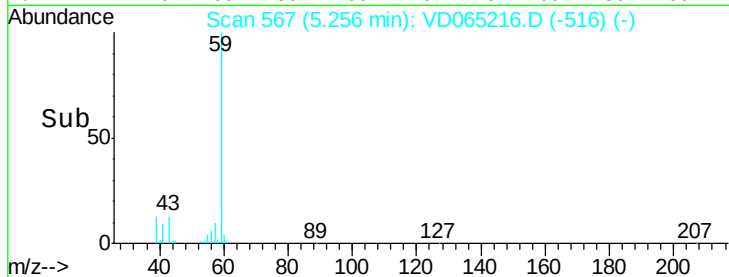
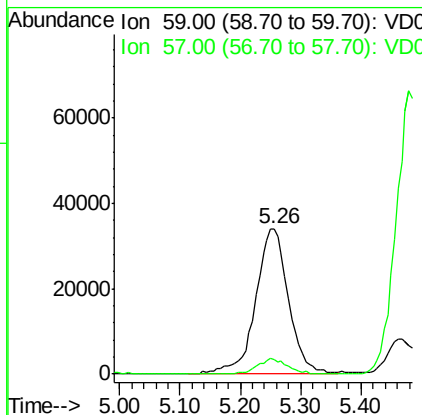
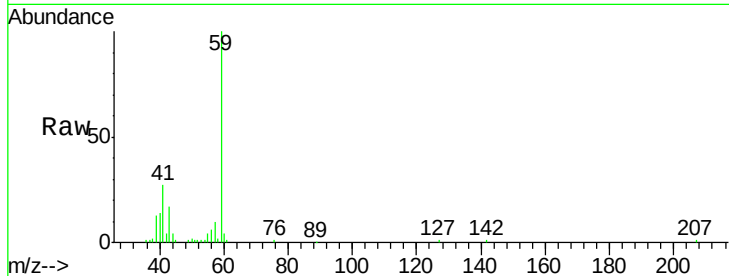
Tert butyl alcohol
Concen: 480.246 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	59	57	Ratio	100	9.7	Resp:	129337	Lower	8.4	Upper	12.6
Ion											

Manual Integrations
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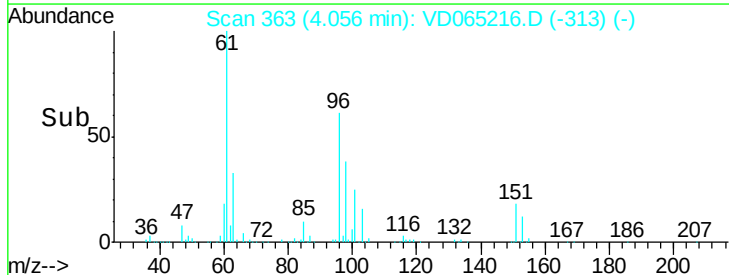
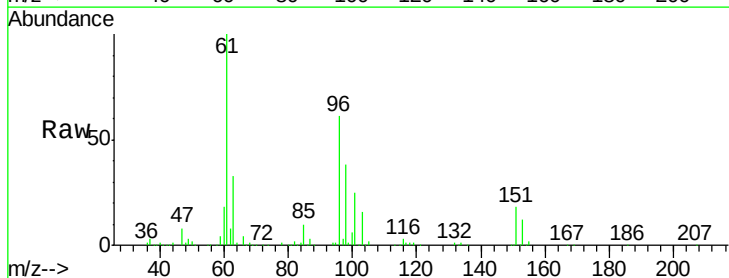
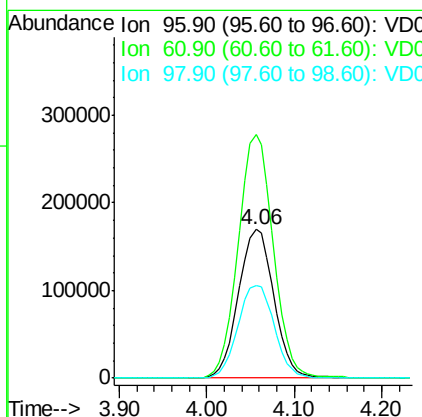
MMDadoda
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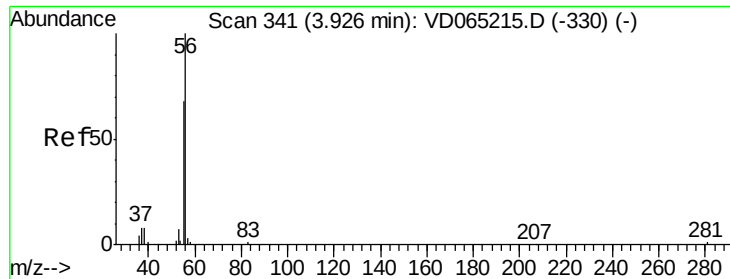


#12

1,1-Dichloroethene
Concen: 100.487 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Tgt Ion	96	61	98	Ratio	100	163.9	62.1	Resp:	466748	Lower	123.3	51.0	Upper	184.9	76.4
Ion															





#13

Acrolein

Concen: 395.951 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 158746

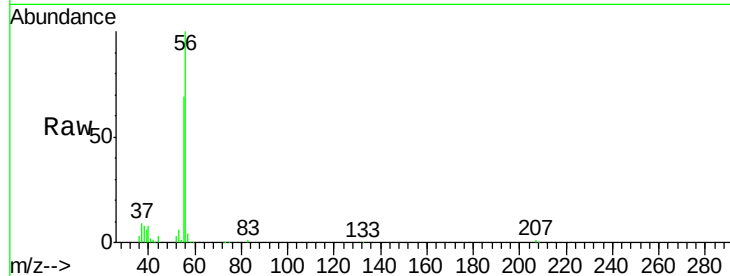
Ion Ratio Lower Upper

56 100

55 69.5 56.6 85.0

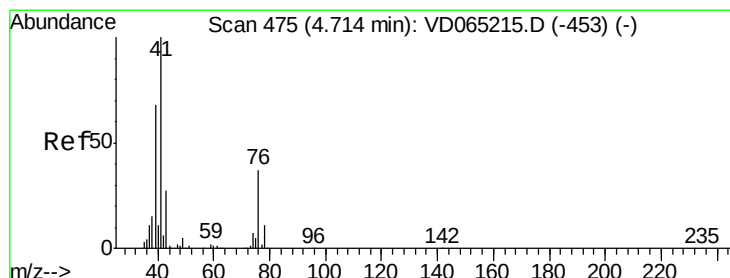
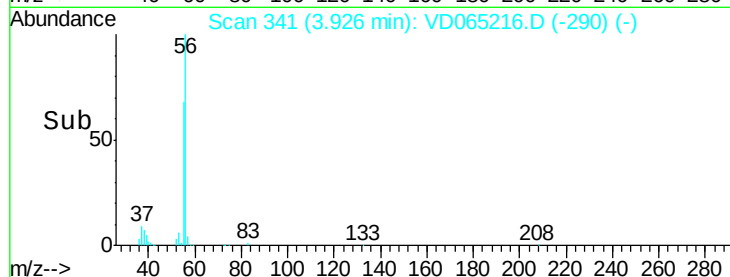
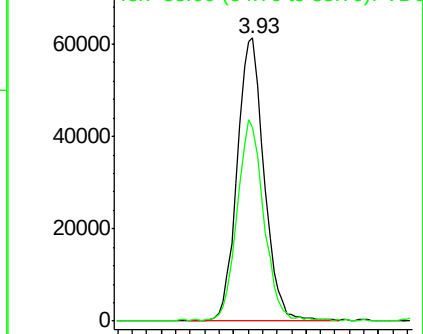
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 104.216 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

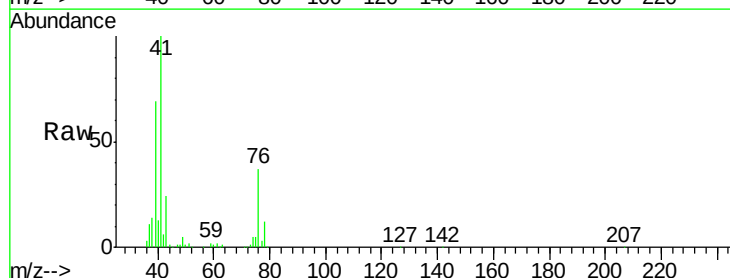
Tgt Ion: 41 Resp: 786078

Ion Ratio Lower Upper

41 100

39 67.7 53.8 80.6

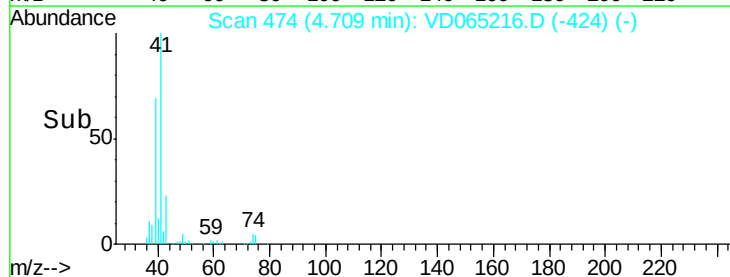
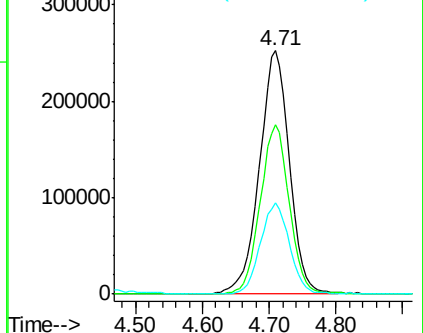
76 35.7 28.7 43.1

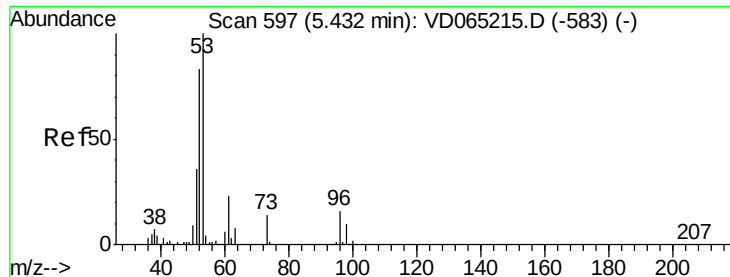


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 503.562 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Instrument :

MSVOA_D

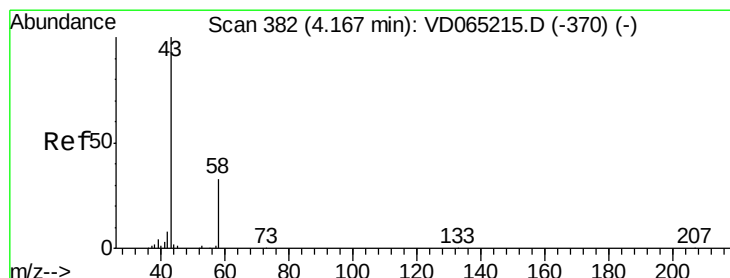
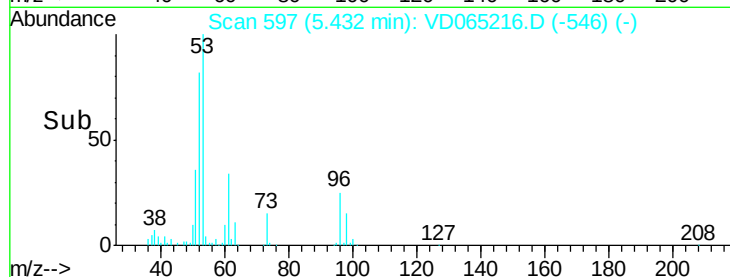
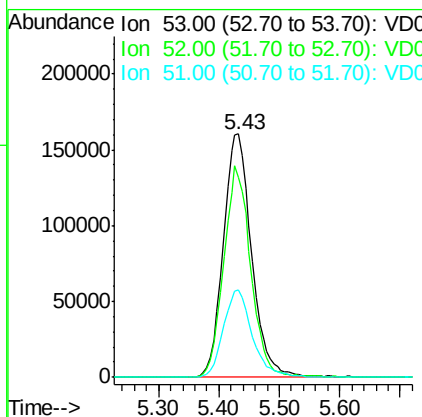
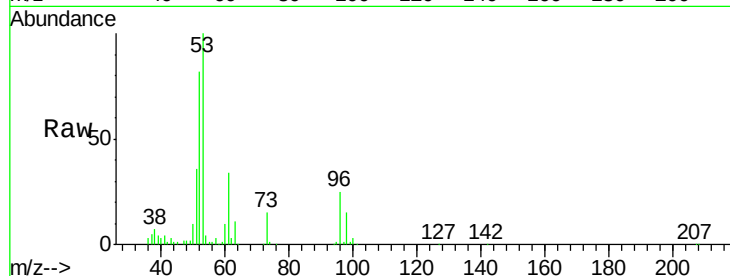
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	523986
Ion Ratio		Lower	Upper
53	100		
52	82.6	65.4	98.2
51	36.4	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 530.698 ug/l

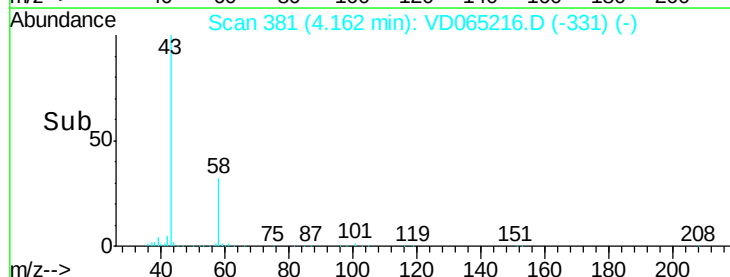
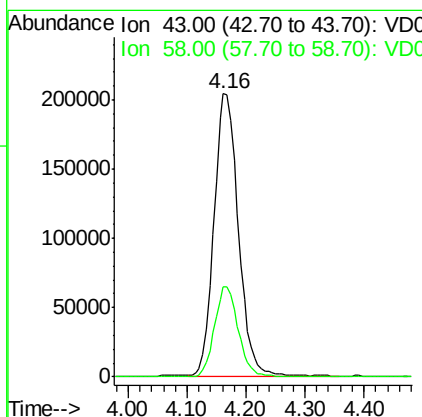
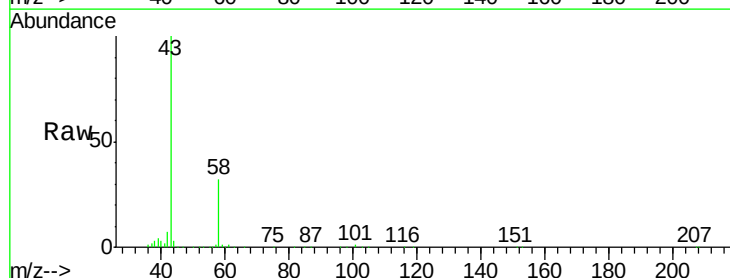
RT: 4.16 min Scan# 381

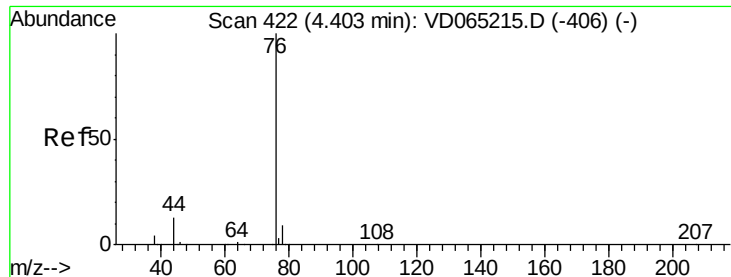
Delta R.T. -0.01 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Tgt Ion:	43	Resp:	584671
Ion Ratio		Lower	Upper
43	100		
58	31.7	26.2	39.2





#17

Carbon Disulfide

Concen: 101.014 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1573034

Ion Ratio Lower Upper

76 100

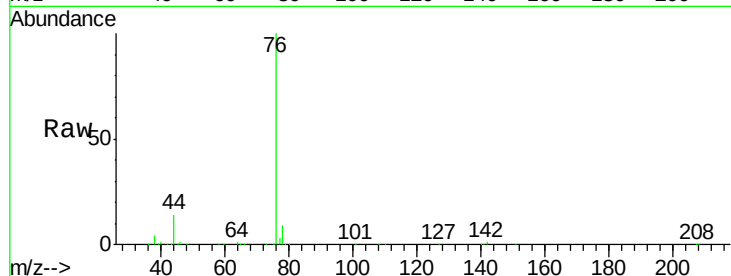
78 8.7 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

600000

500000

400000

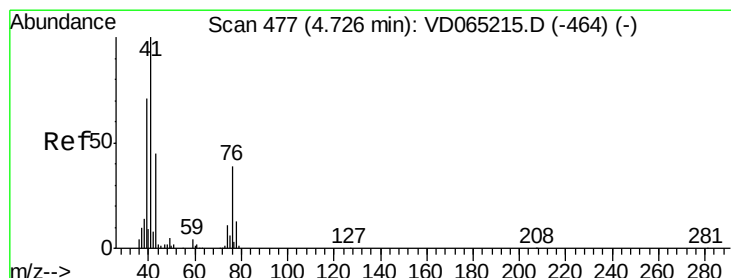
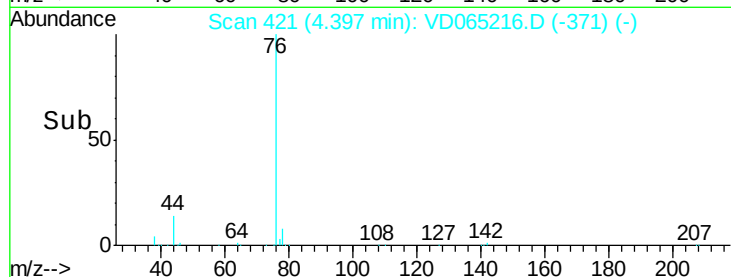
300000

200000

100000

0

Time--> 4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 95.809 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065216.D

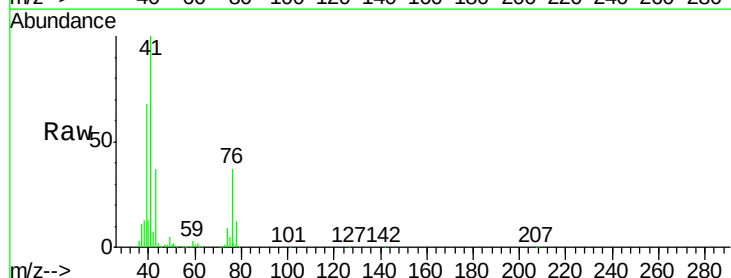
Acq: 18 Feb 2020 12:26

Tgt Ion: 43 Resp: 237396

Ion Ratio Lower Upper

43 100

74 23.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

80000

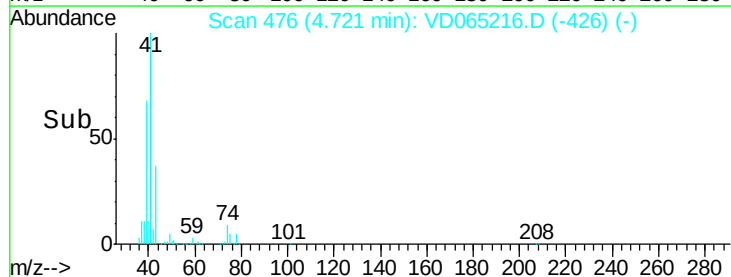
60000

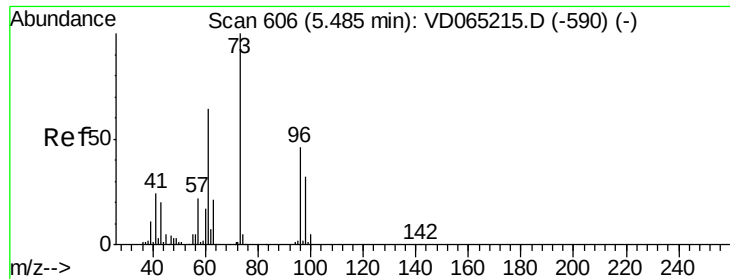
40000

20000

0

Time--> 4.60 4.70 4.80





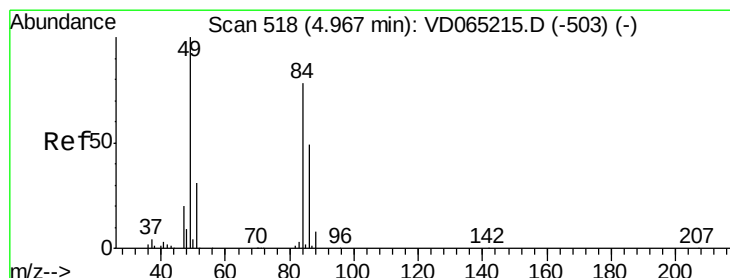
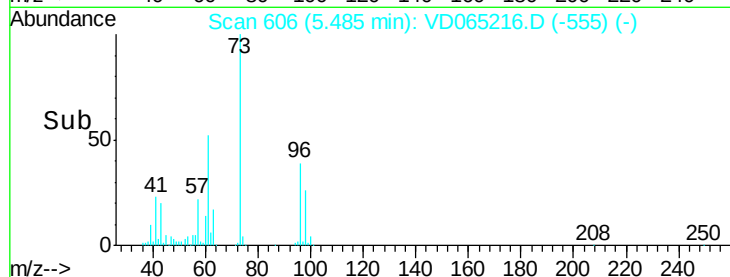
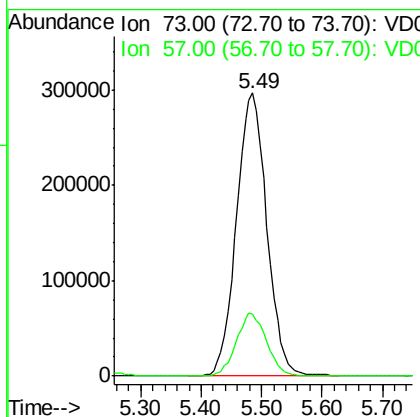
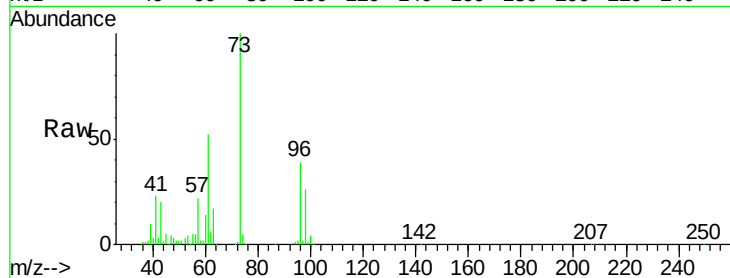
#19
Methyl tert-butyl Ether
Concen: 106.935 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1035783
Ion Ratio Lower Upper
73 100
57 21.7 17.3 25.9

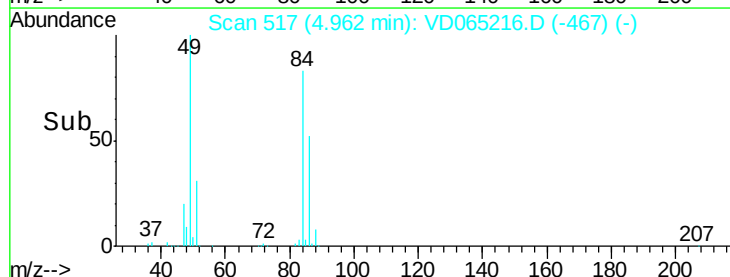
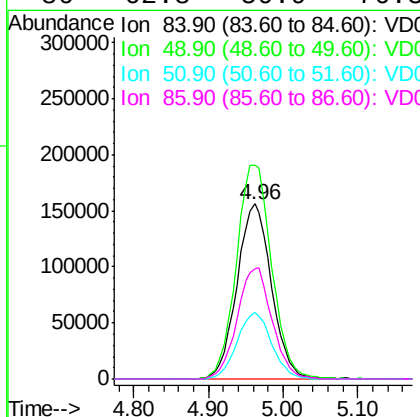
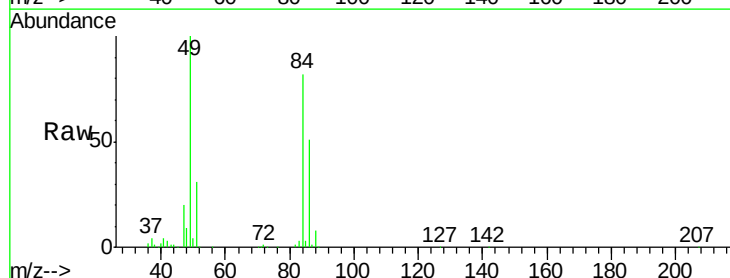
Manual Integrations
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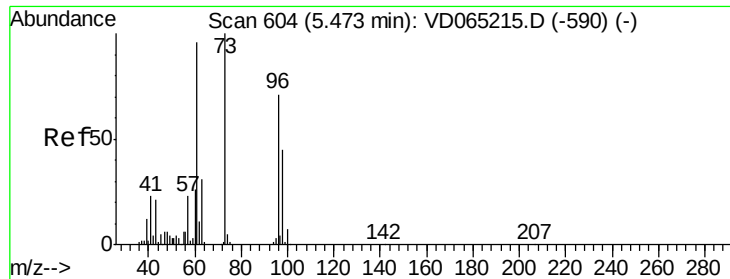
MMDadoda
2/19/2020 1:44:13 PM



#20
Methylene Chloride
Concen: 89.520 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Tgt Ion: 84 Resp: 500643
Ion Ratio Lower Upper
84 100
49 122.0 103.1 154.7
51 38.2 31.7 47.5
86 62.8 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 101.411 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Instrument :

MSVOA_D

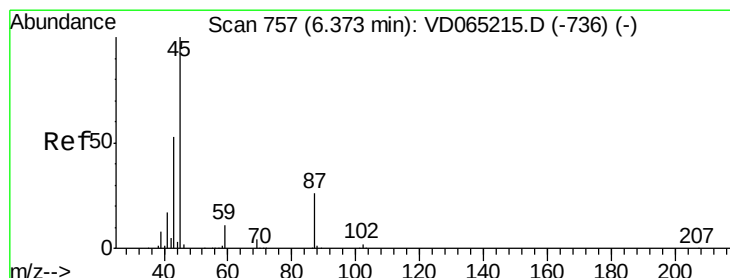
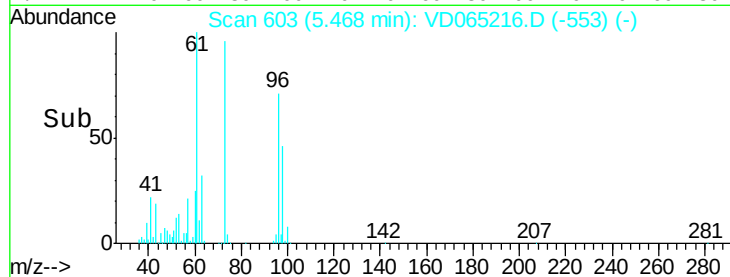
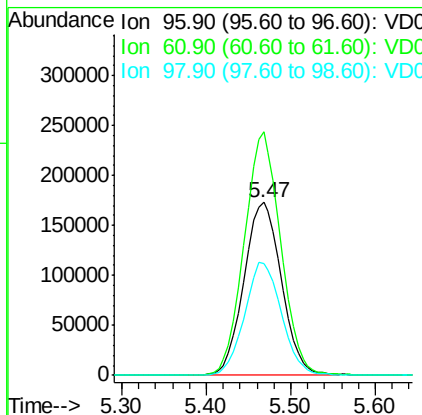
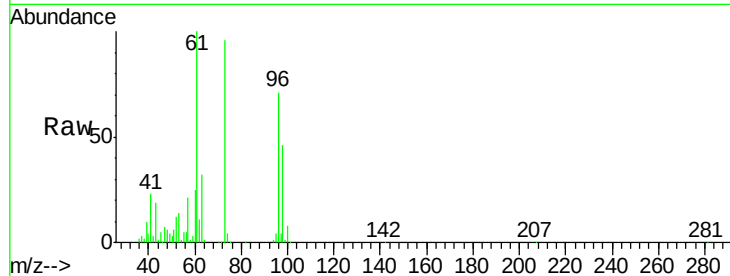
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	535484
Ion	Ratio	Lower	Upper
96	100		
61	140.6	108.3	162.5
98	64.9	50.7	76.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 104.090 ug/l

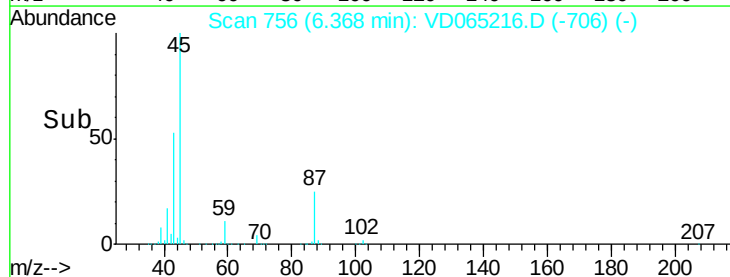
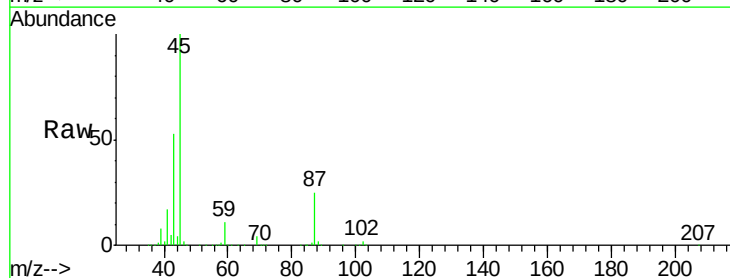
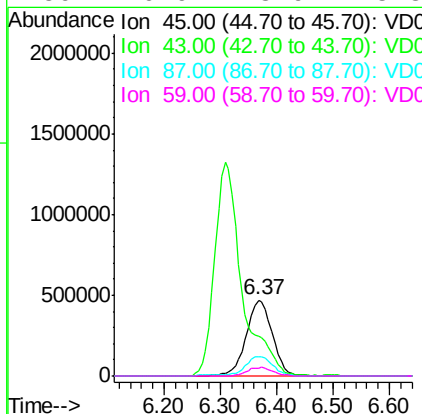
RT: 6.37 min Scan# 756

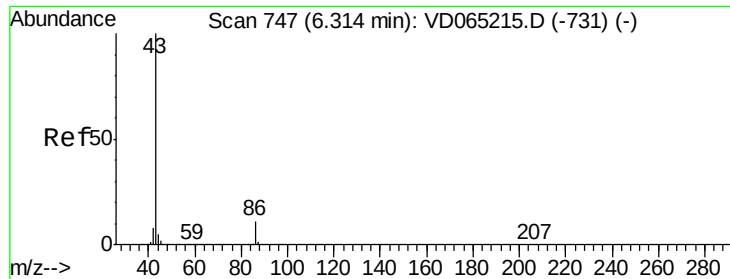
Delta R.T. -0.01 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Tgt Ion:	45	Resp:	1513565
Ion	Ratio	Lower	Upper
45	100		
43	52.8	42.6	64.0
87	24.9	21.2	31.8
59	10.9	8.9	13.3





#23

Vinyl Acetate

Concen: 554.097 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 4441812

Ion Ratio Lower Upper

43 100

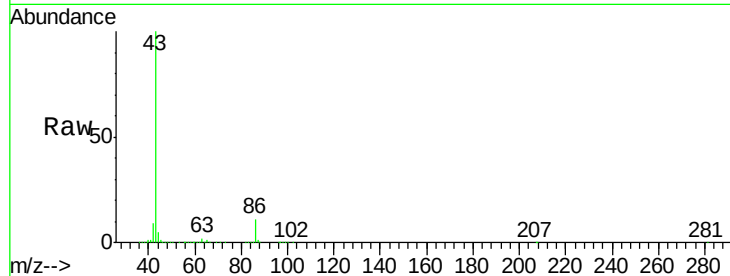
86 10.9 8.6 12.8

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

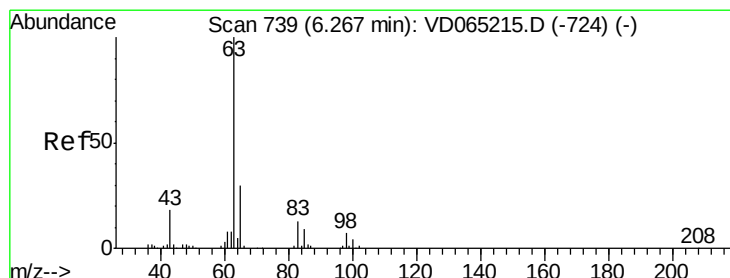
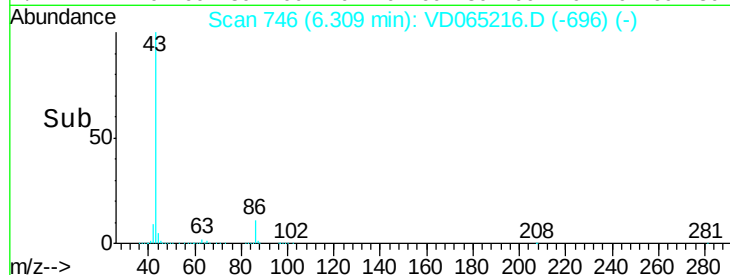
1500000

1000000

500000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 99.825 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

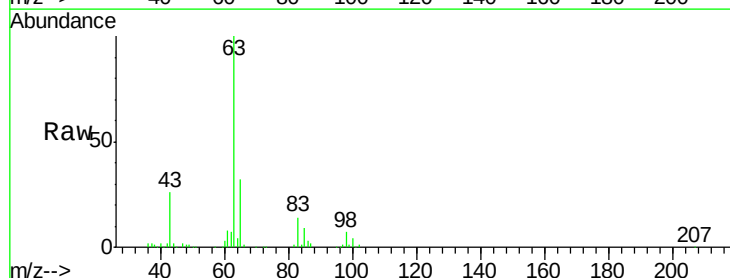
Tgt Ion: 63 Resp: 900338

Ion Ratio Lower Upper

63 100

98 7.3 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

400000

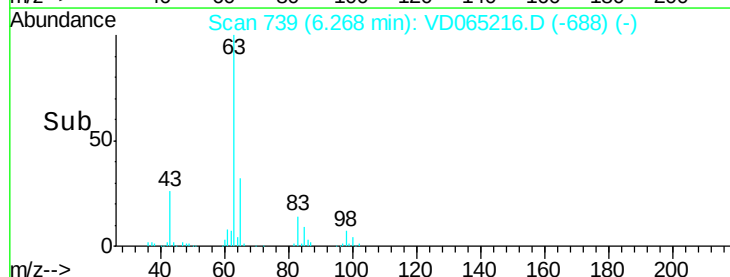
300000

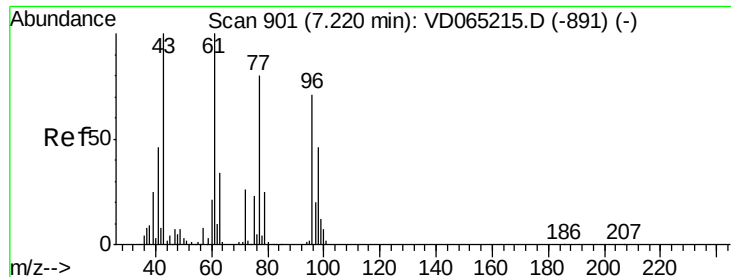
200000

100000

0

Time--> 6.10 6.20 6.30 6.40 6.50





#25

2-Butanone

Concen: 517.160 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 720865

Ion Ratio Lower Upper

43 100

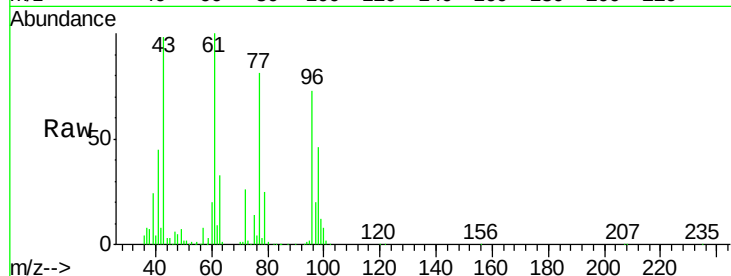
72 26.1 20.9 31.3

Manual Integrations

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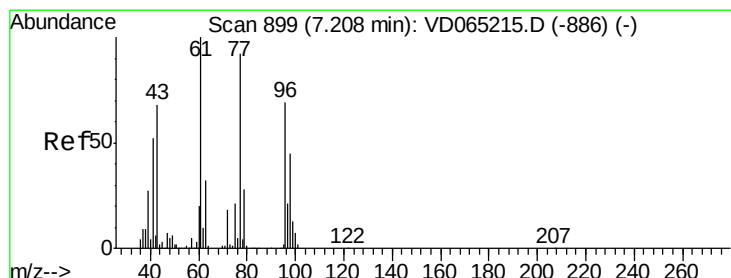
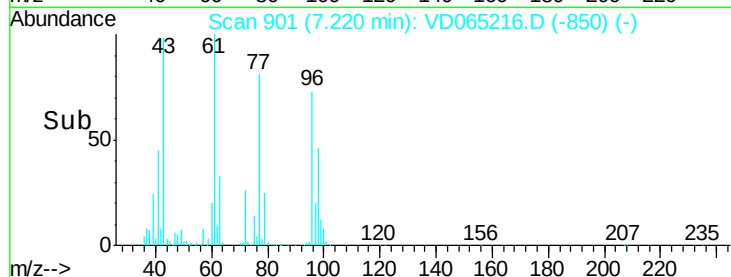
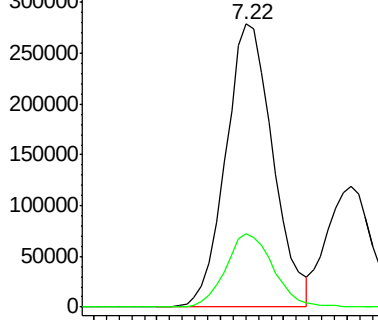
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 99.675 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065216.D

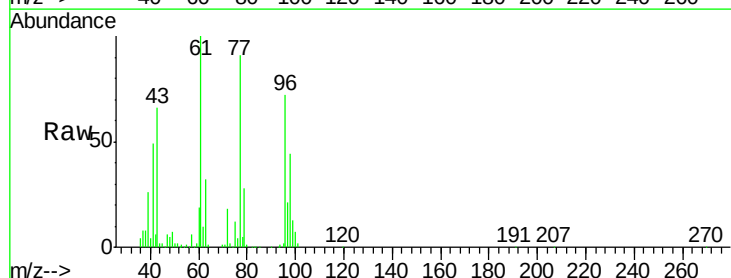
Acq: 18 Feb 2020 12:26

Tgt Ion: 77 Resp: 779987

Ion Ratio Lower Upper

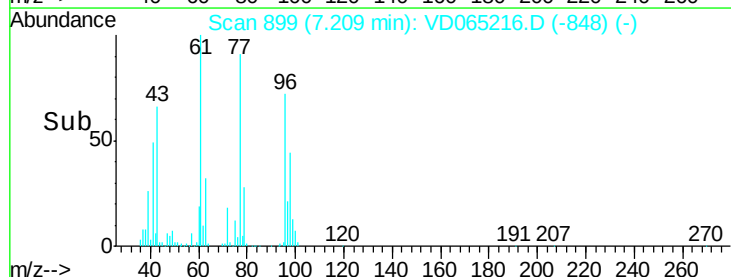
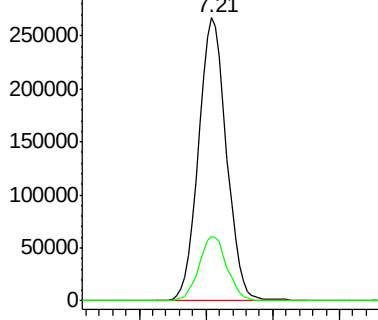
77 100

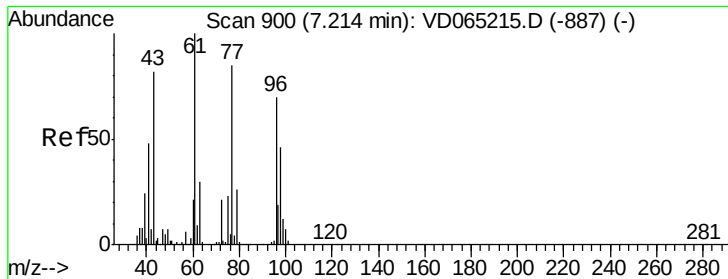
97 22.9 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

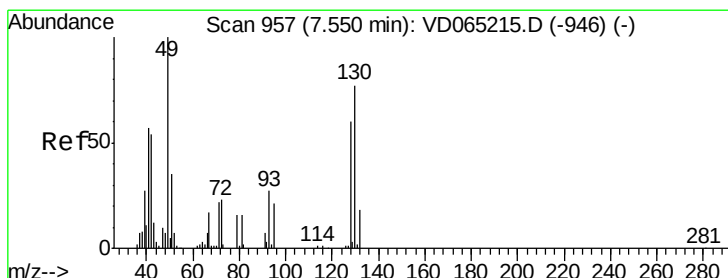
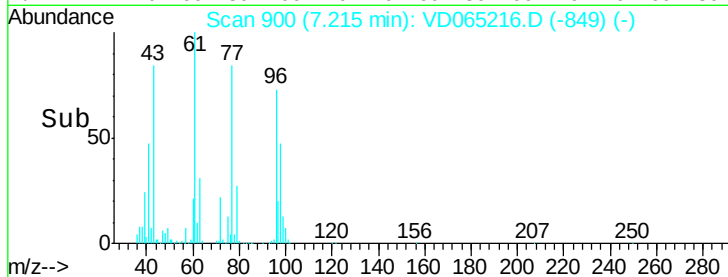
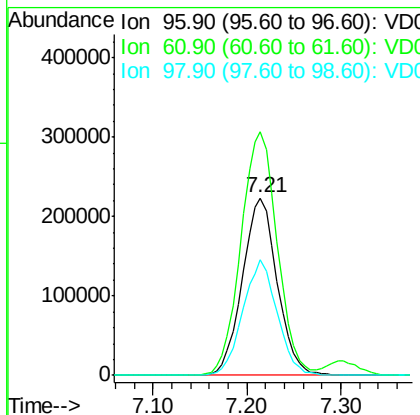
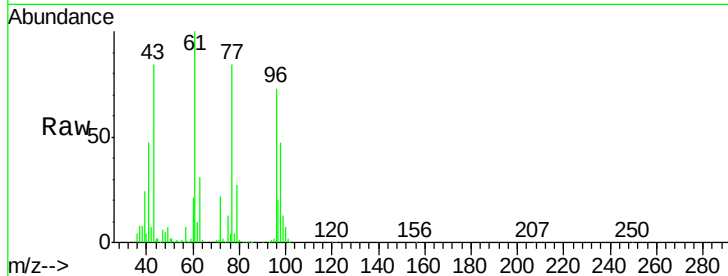
cis-1,2-Dichloroethene
Concen: 102.421 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.5	0.0	286.0
98	64.4	0.0	127.8

Manual Integrations
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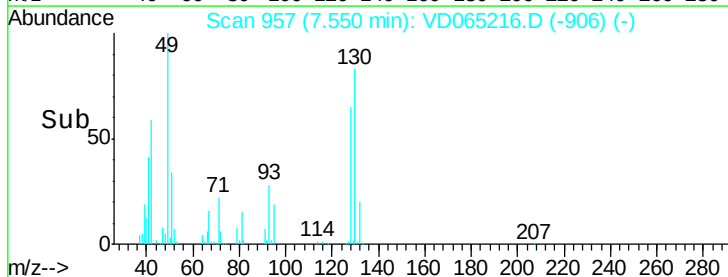
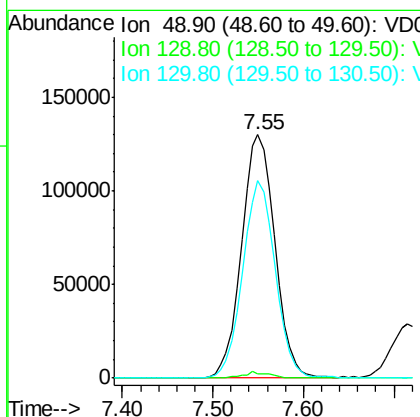
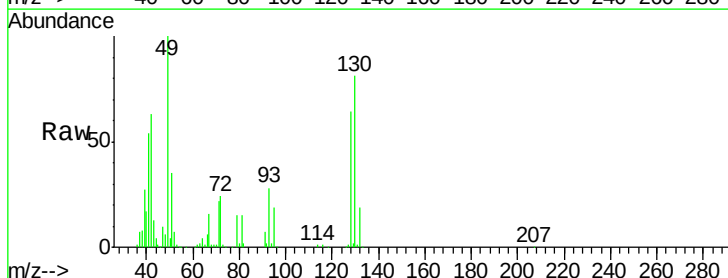
MMDadoda
2/19/2020 1:44:13 PM

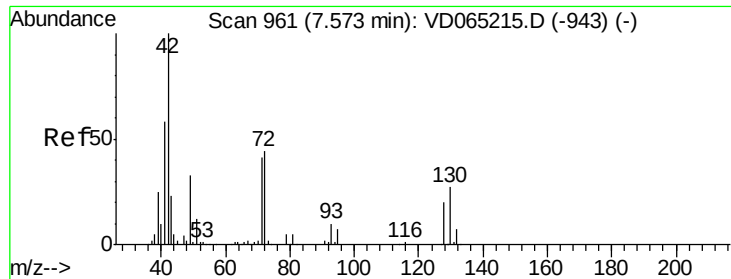


#28

Bromochloromethane
Concen: 99.215 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	79.4	64.7	97.1





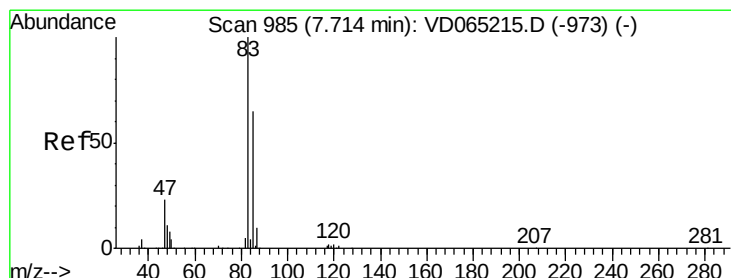
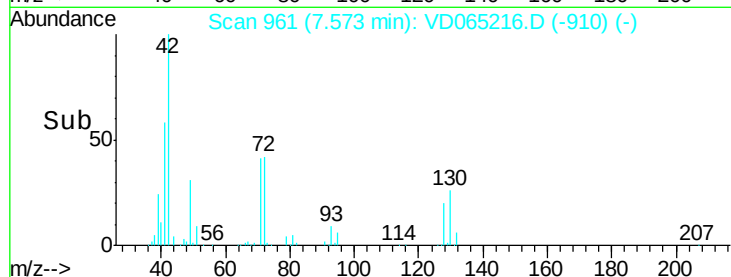
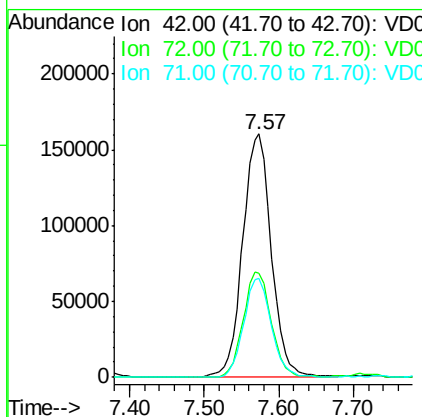
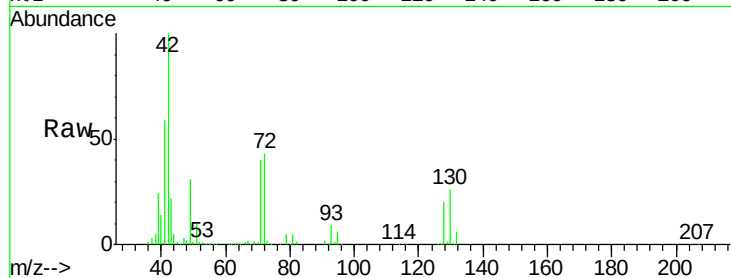
#29
Tetrahydrofuran
Concen: 524.573 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.7	50.5
71	39.3	31.4	47.2

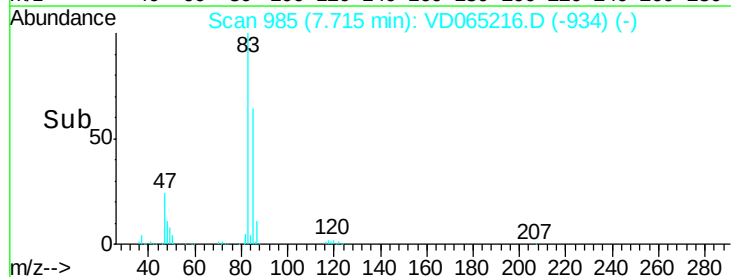
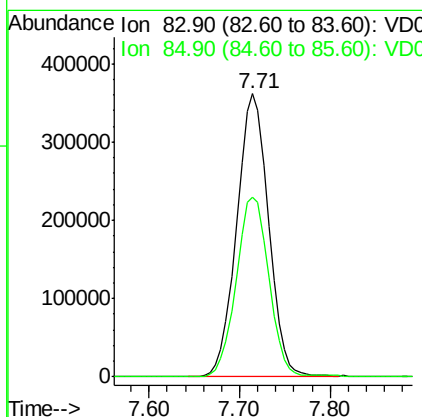
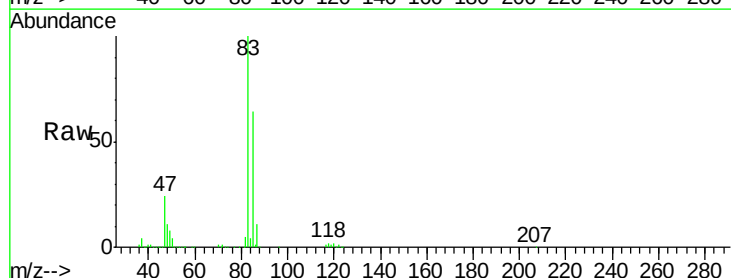
Manual Integrations
APPROVED

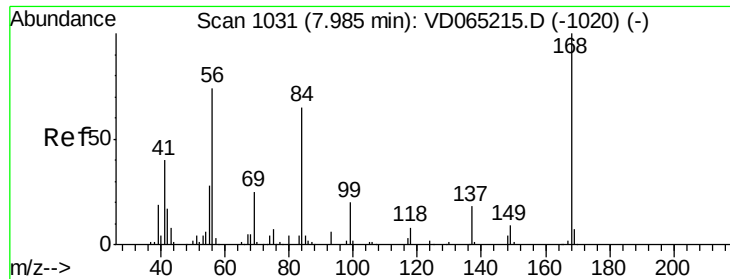
MMDadoda
2/19/2020 1:44:13 PM



#30
Chloroform
Concen: 97.374 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.3	78.5





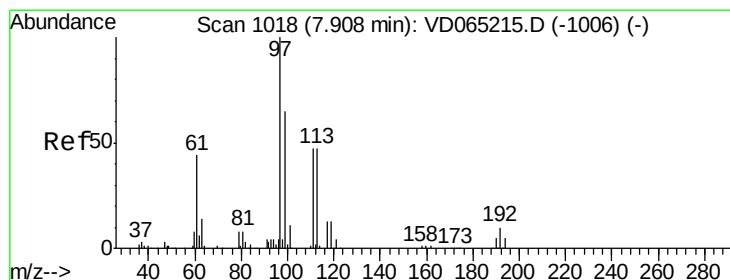
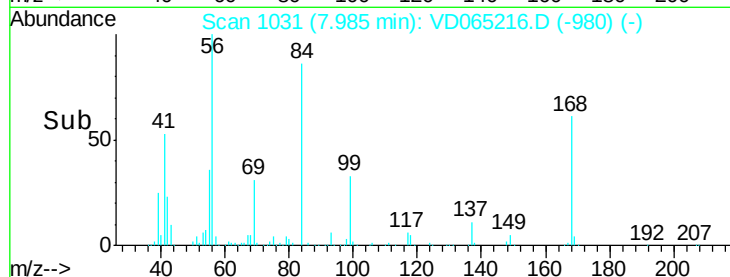
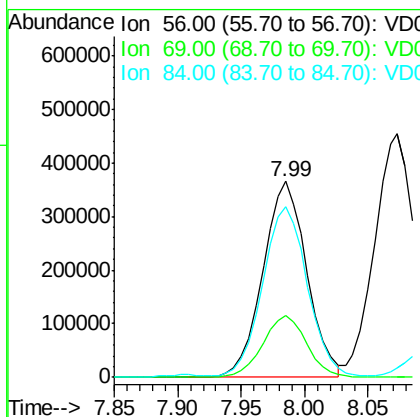
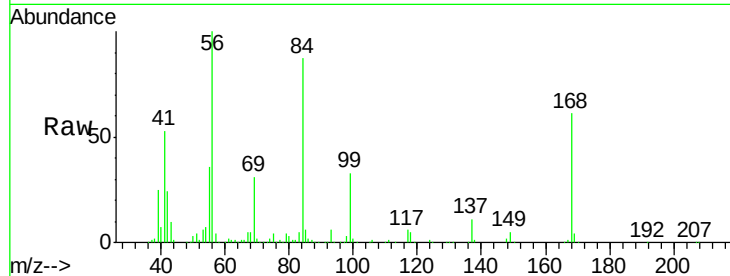
#31
Cyclohexane
Concen: 99.045 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	27.4	41.0
84	85.6	71.1	106.7

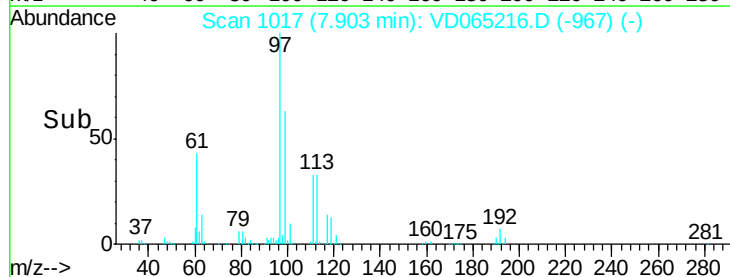
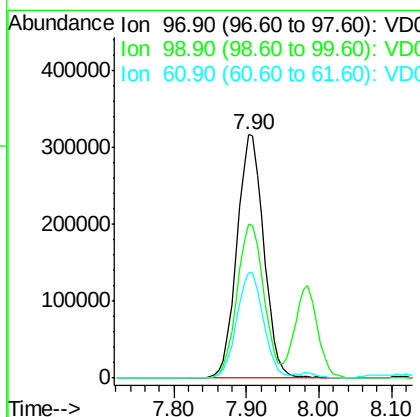
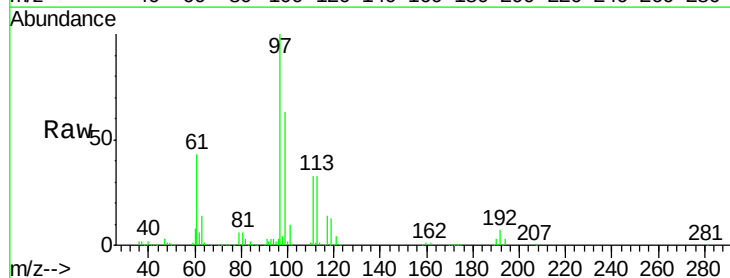
Manual Integrations
APPROVED

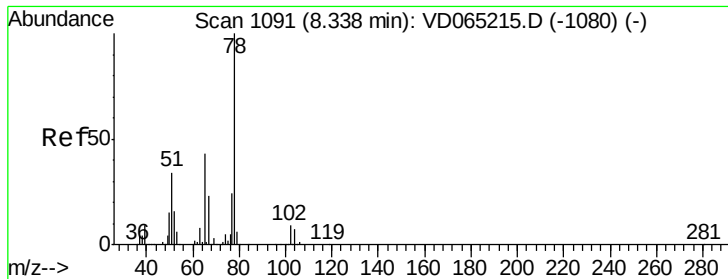
MMDadoda
2/19/2020 1:44:13 PM



#32
1,1,1-Trichloroethane
Concen: 100.048 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.2
61	43.4	34.8	52.2





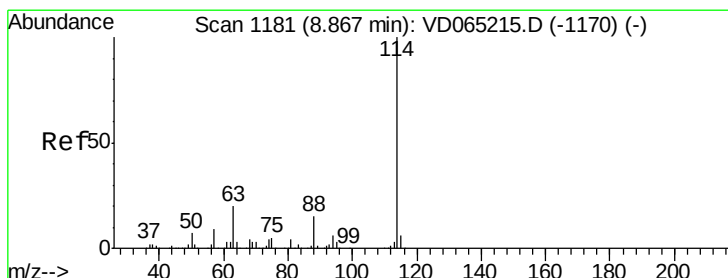
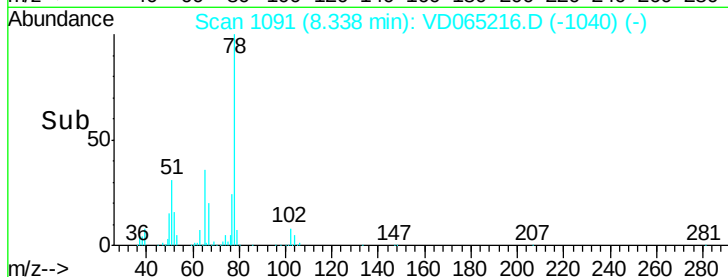
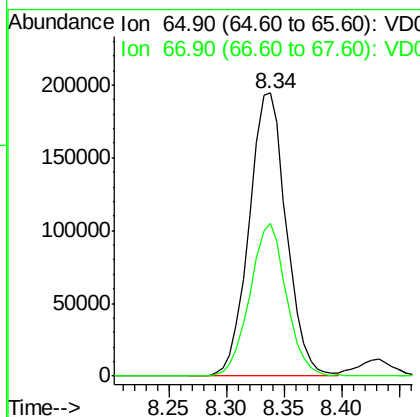
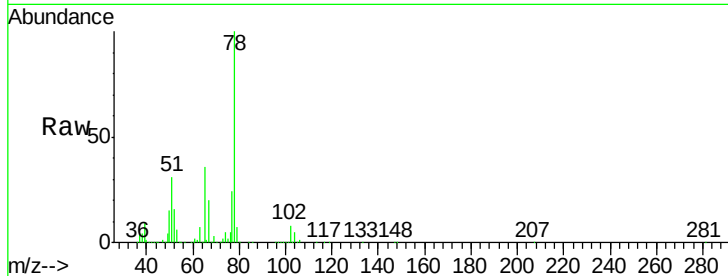
#33
 1,2-Dichloroethane-d4
 Concen: 97.127 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065216.D
 Acq: 18 Feb 2020 12:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.8

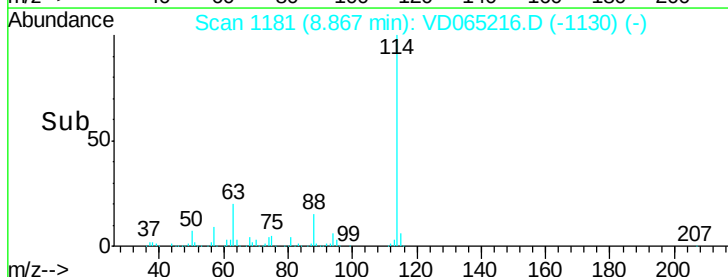
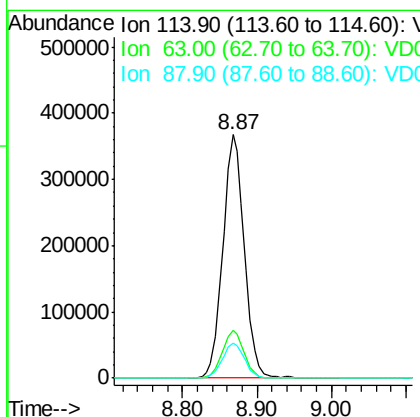
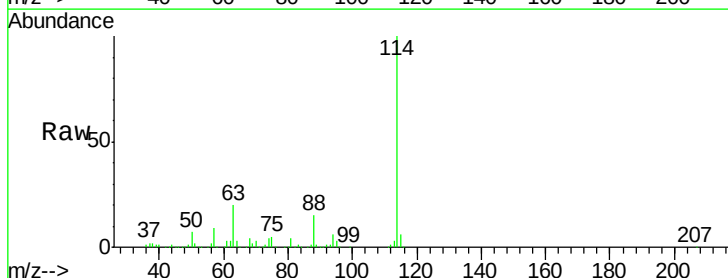
Manual Integrations
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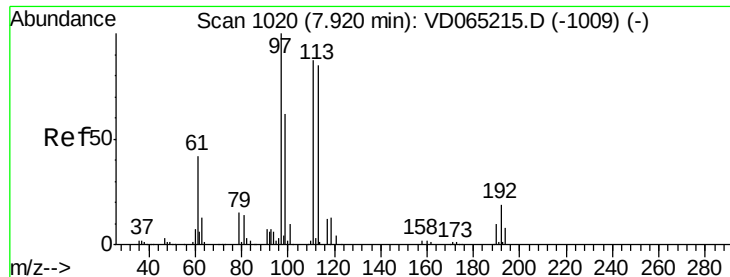
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 2/19/2020 1:44:13 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065216.D
 Acq: 18 Feb 2020 12:26

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.4
88	14.6	0.0	30.4





#35

Dibromofluoromethane

Concen: 100.618 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Instrument :

MSVOA_D

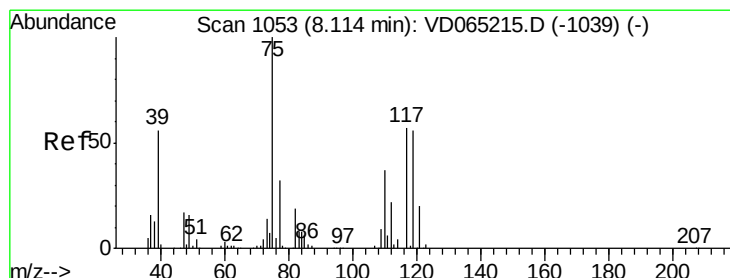
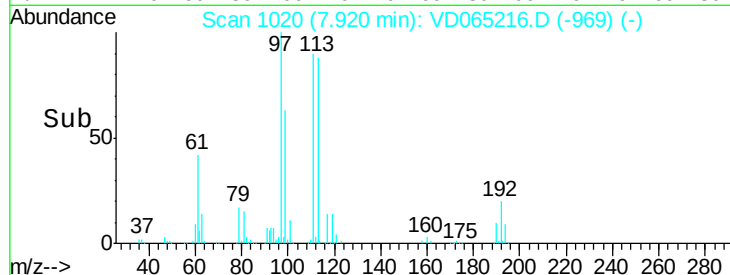
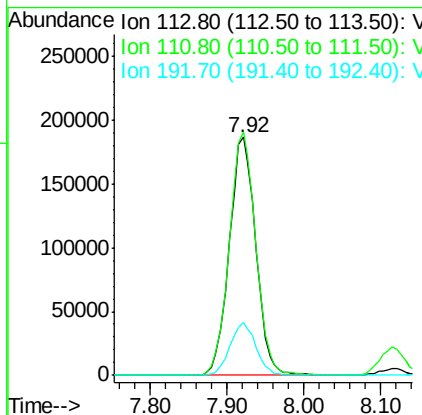
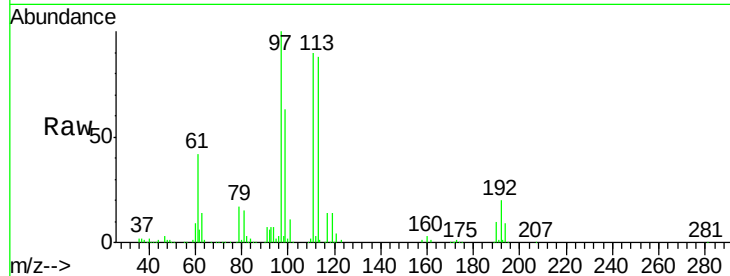
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	449044
Ion Ratio	Lower	Upper	
113	100		
111	102.2	82.9	124.3
192	21.8	17.3	25.9

Manual Integrations
APPROVED

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2/19/2020 1:44:13 PM



#36

1,1-Dichloropropene

Concen: 103.857 ug/l

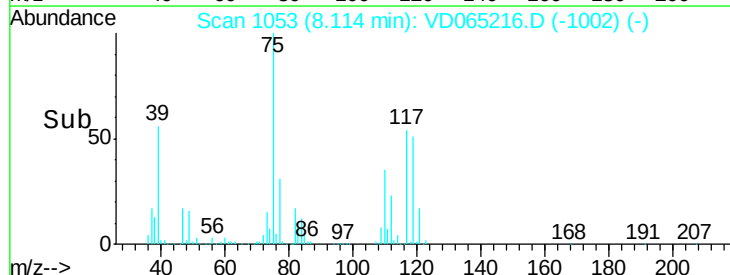
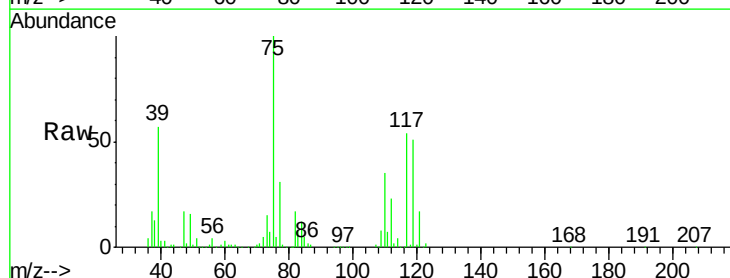
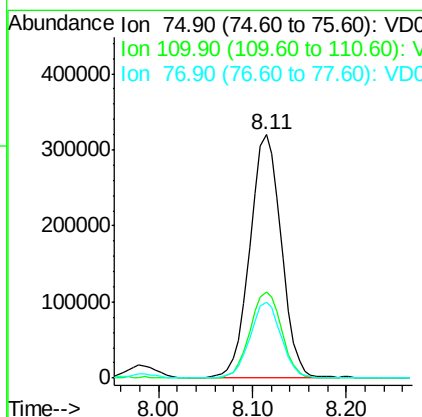
RT: 8.11 min Scan# 1053

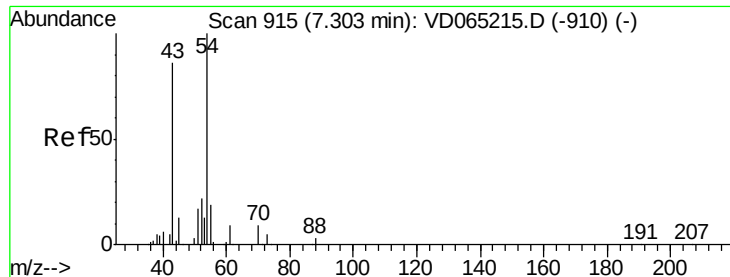
Delta R.T. 0.00 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Tgt Ion:	75	Resp:	739642
Ion Ratio	Lower	Upper	
75	100		
110	35.7	17.9	53.7
77	31.0	25.1	37.7





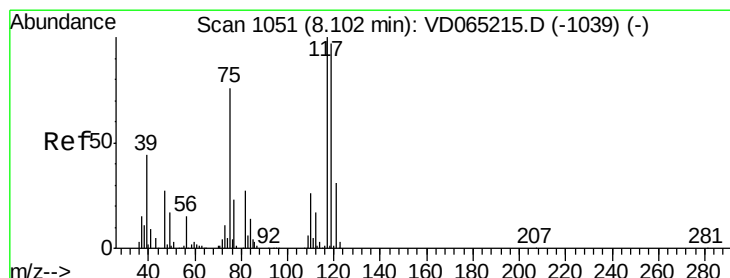
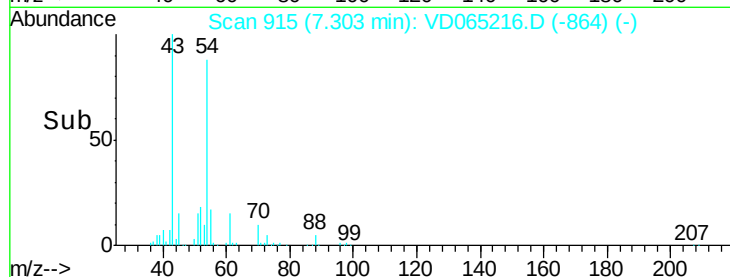
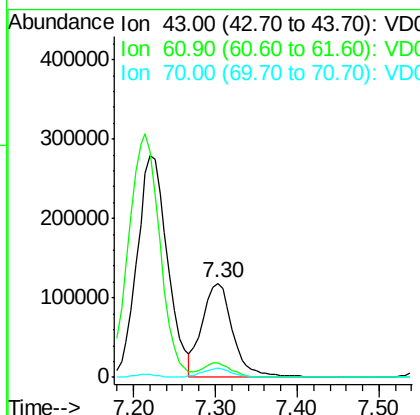
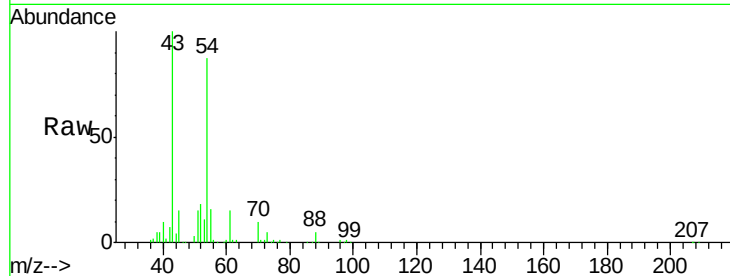
#37
Ethyl Acetate
Concen: 102.070 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.2	16.8
70	9.0	8.2	12.2

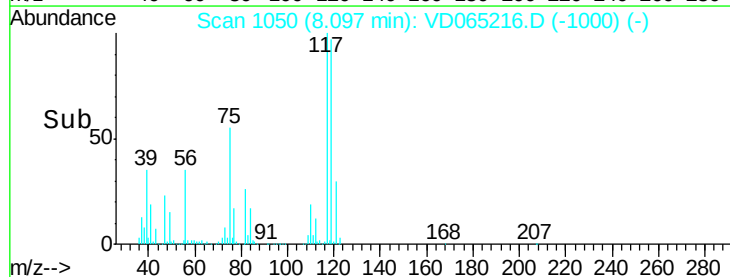
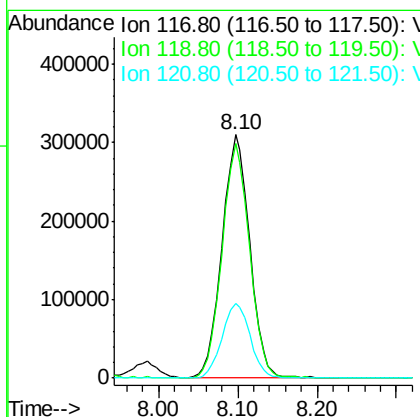
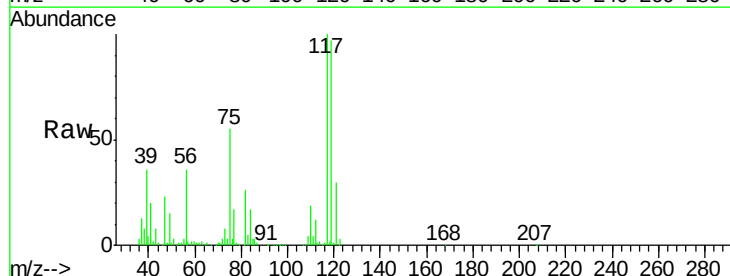
Manual Integrations
APPROVED

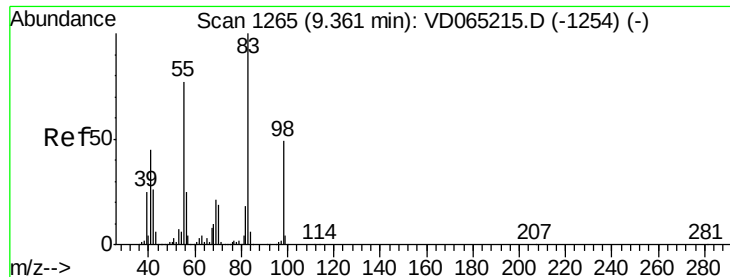
MMDadoda
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#38
Carbon Tetrachloride
Concen: 103.165 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.6	116.4
121	30.5	24.8	37.2





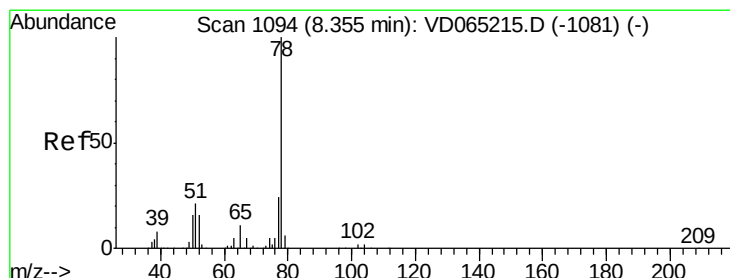
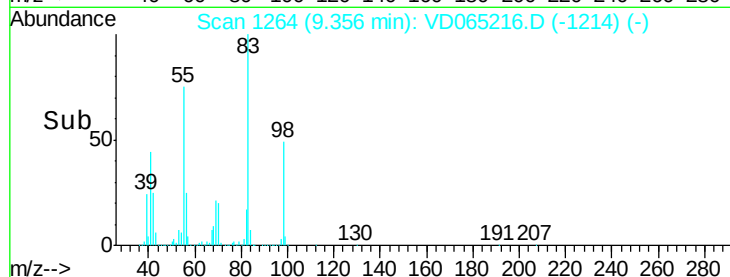
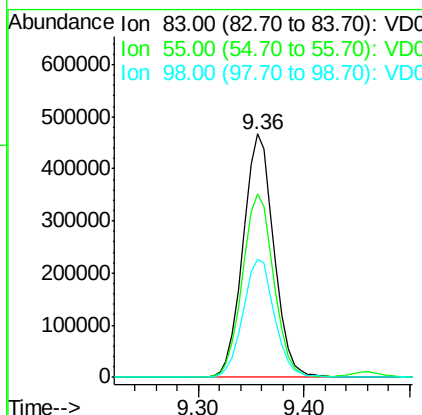
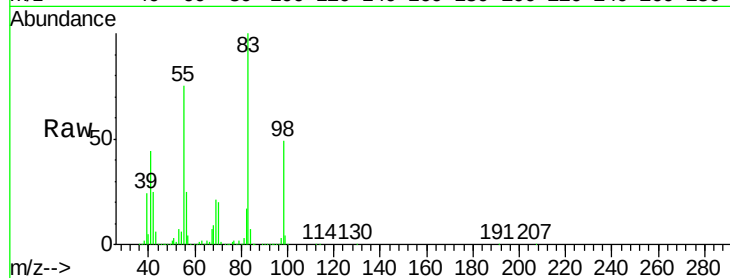
#39
Methylvlcyclohexane
Concen: 113.176 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	61.8	92.6
98	48.5	39.4	59.0

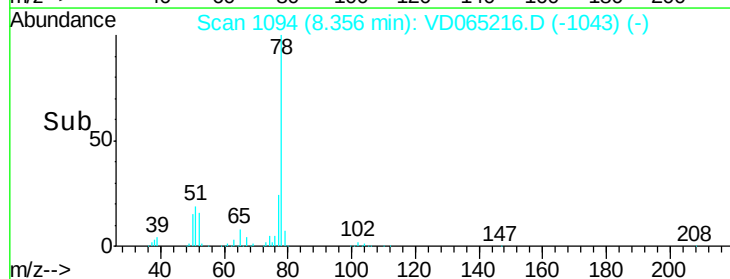
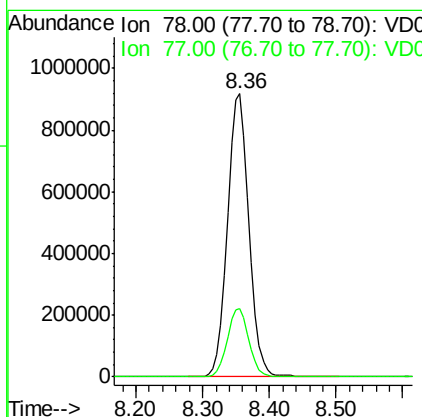
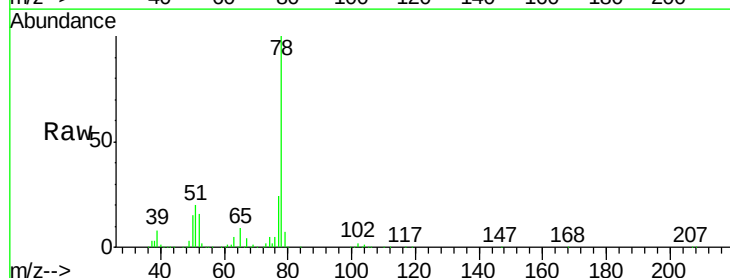
Manual Integrations
APPROVED

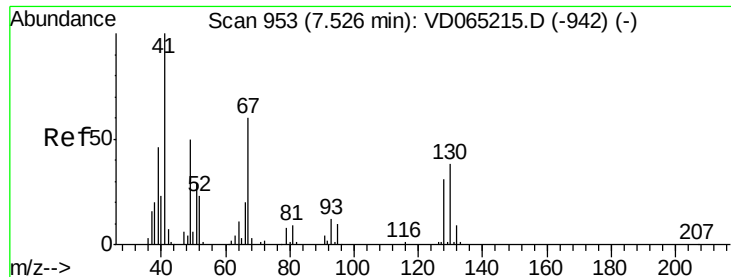
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#40
Benzene
Concen: 103.470 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.6





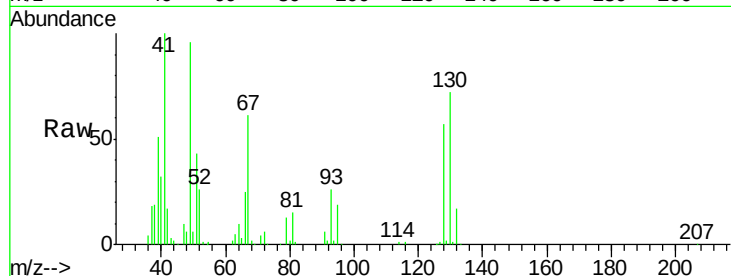
#41
Methacrylonitrile
Concen: 113.444 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.0	48.1	72.1
67	63.1	58.9	88.3
52	27.3	24.2	36.2

Manual Integrations
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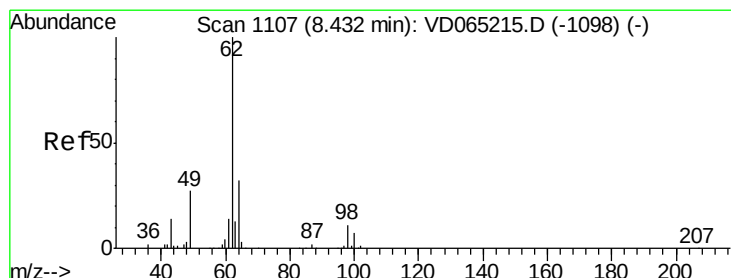
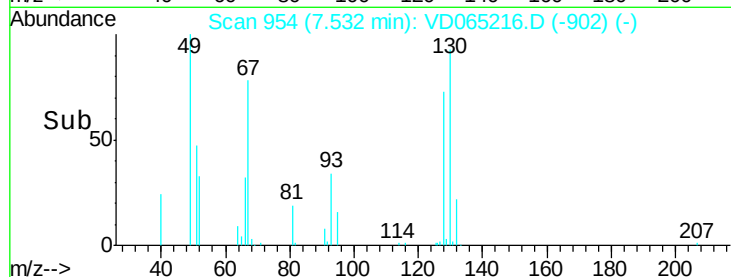
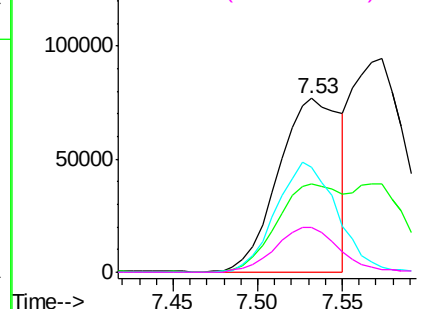
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

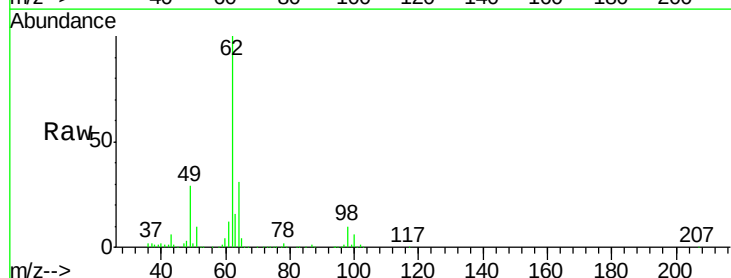
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42
1,2-Dichloroethane
Concen: 99.494 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

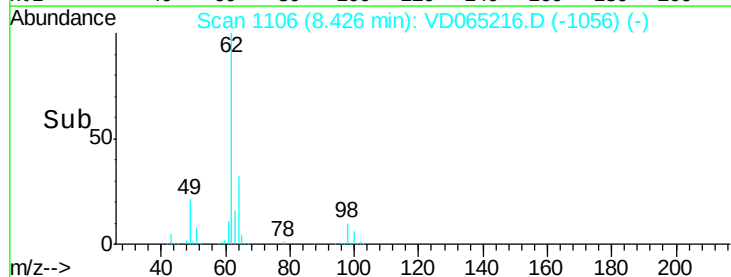
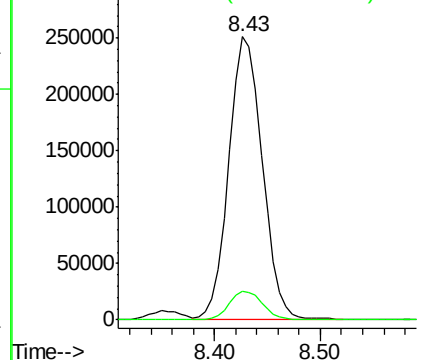
Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6

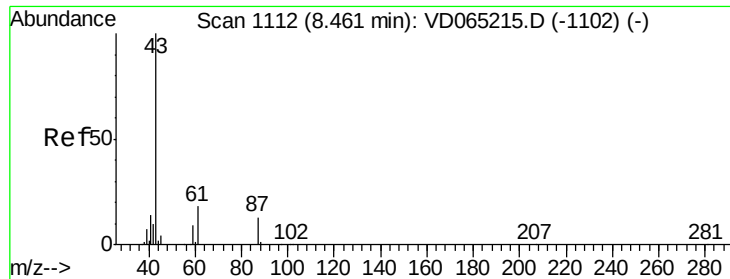


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 105.885 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Instrument :

MSVOA_D

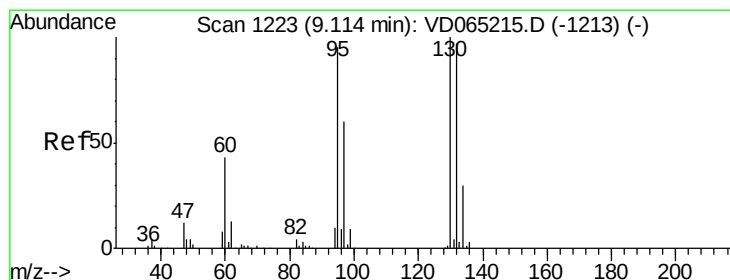
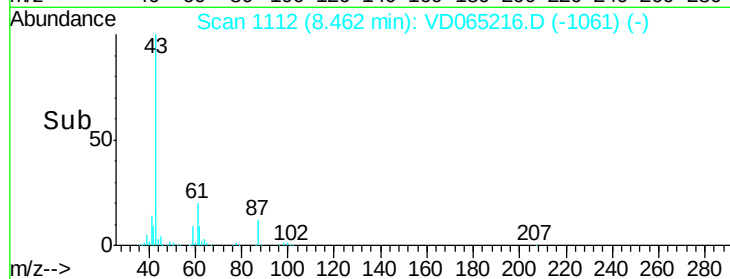
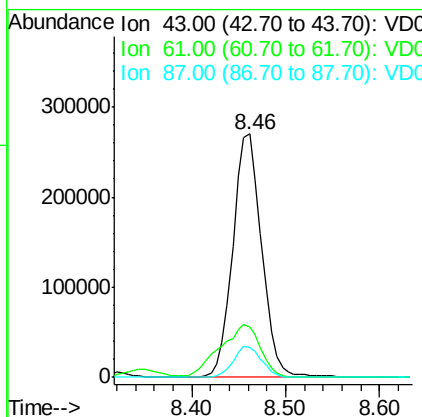
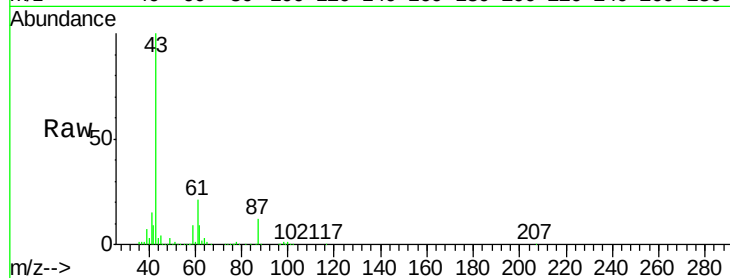
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	573255
Ion Ratio		Lower	Upper
43	100		
61	30.6	24.6	36.8
87	12.7	10.6	16.0

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#44

Trichloroethene

Concen: 103.782 ug/l

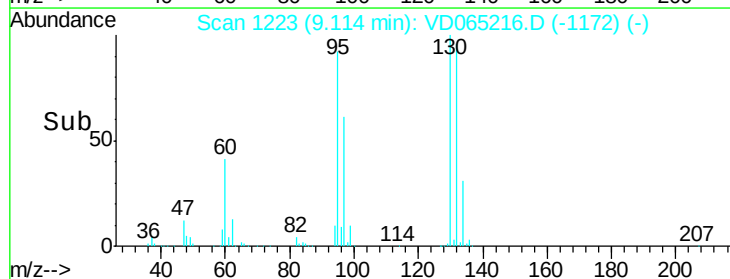
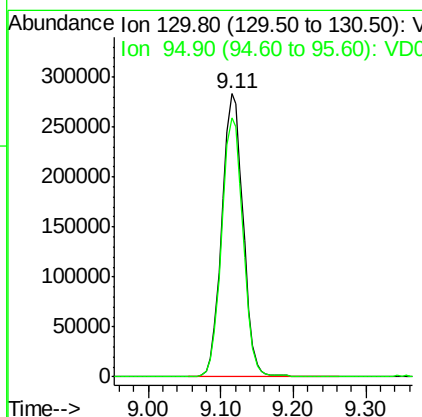
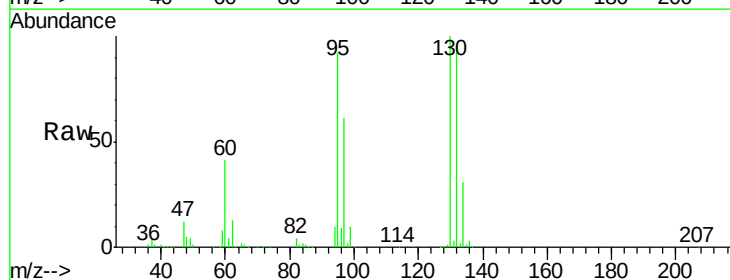
RT: 9.11 min Scan# 1223

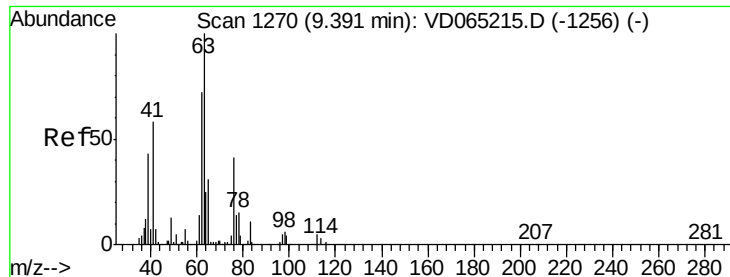
Delta R.T. 0.00 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Tgt Ion:	130	Resp:	578287
Ion Ratio		Lower	Upper
130	100		
95	91.7	0.0	190.6





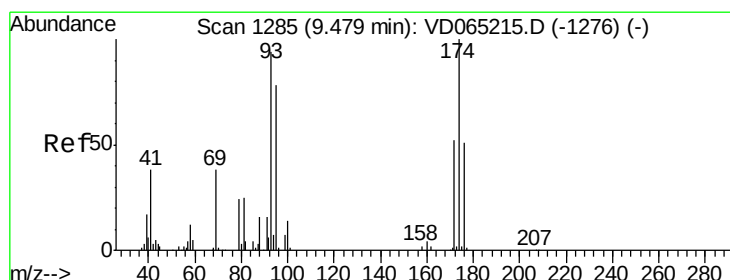
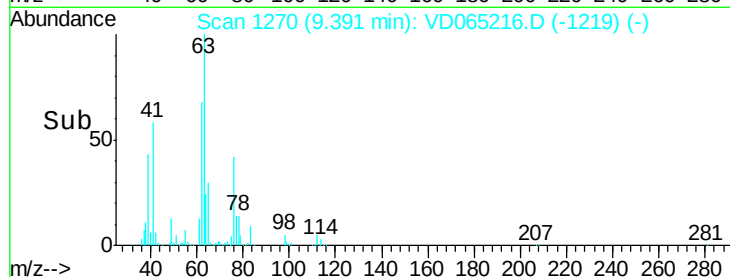
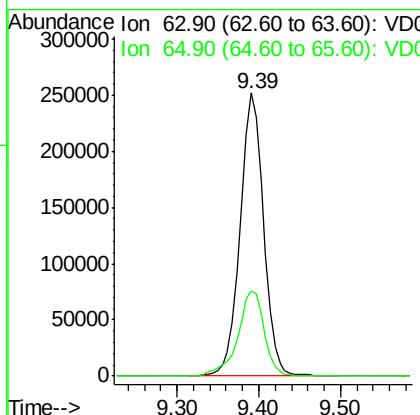
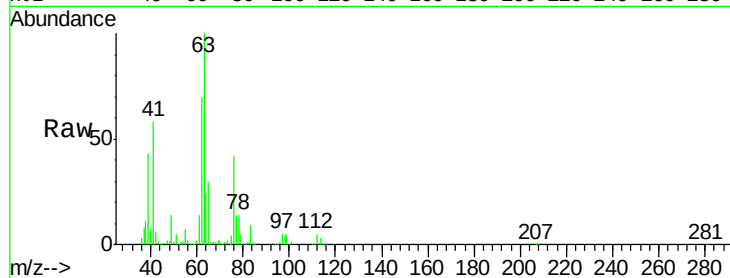
#45
 1,2-Dichloropropane
 Concen: 101.210 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065216.D
 Acq: 18 Feb 2020 12:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.9	37.3

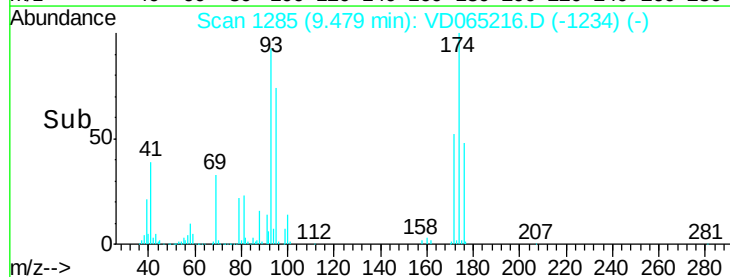
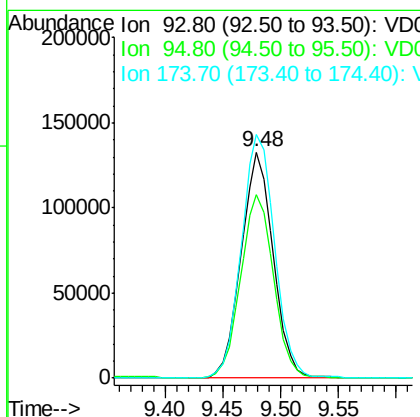
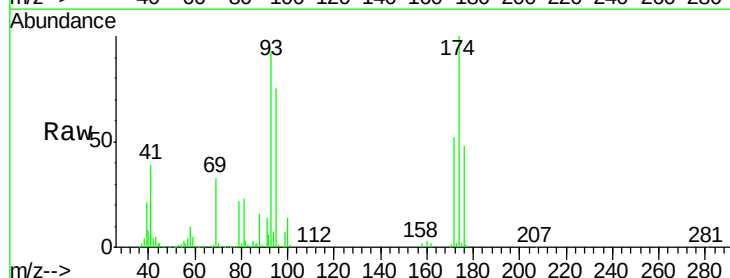
Manual Integrations
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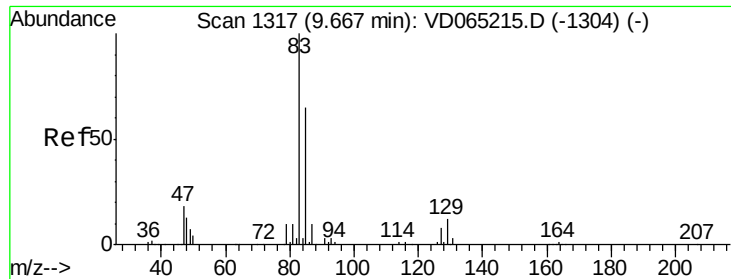
MMDadoda
 2/19/2020 1:44:13 PM



#46
 Dibromomethane
 Concen: 99.985 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065216.D
 Acq: 18 Feb 2020 12:26

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.8	98.6
174	111.6	86.8	130.2





#47

Bromodichloromethane

Concen: 101.248 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Instrument :

MSVOA_D

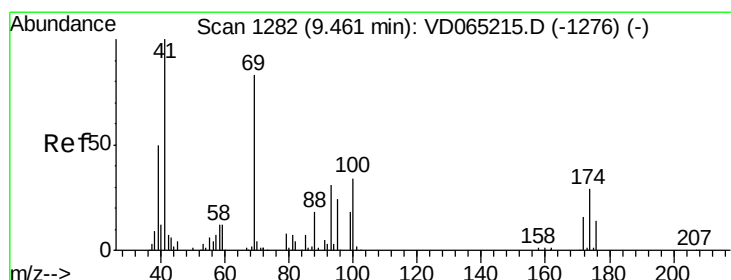
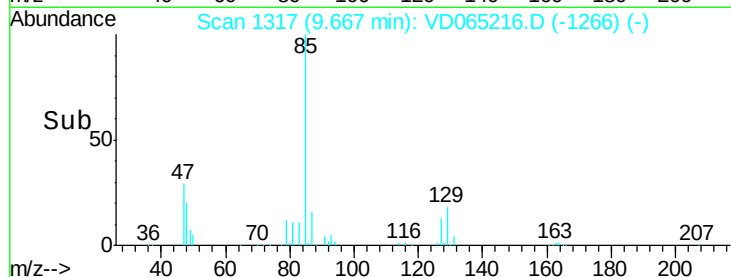
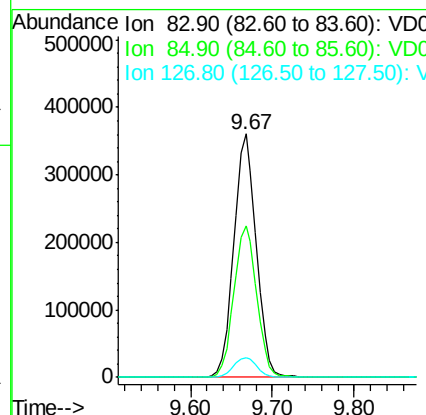
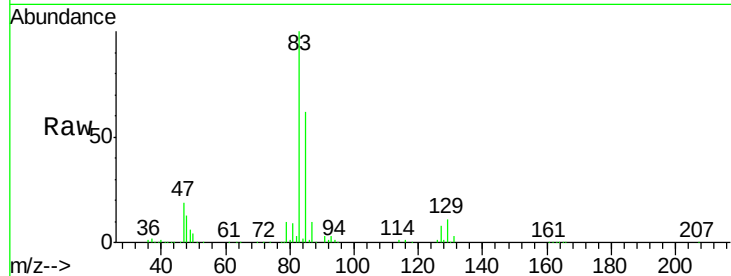
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	686220
Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.0	78.0
127	8.2	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 110.456 ug/l

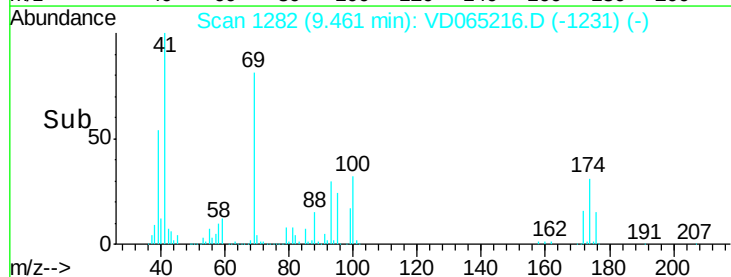
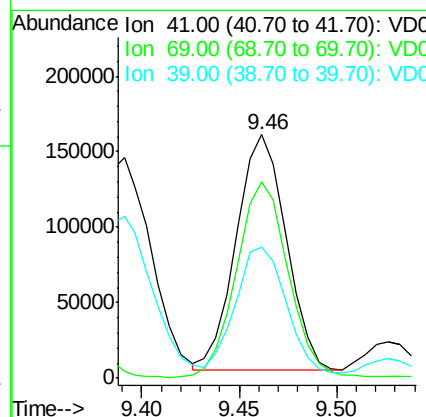
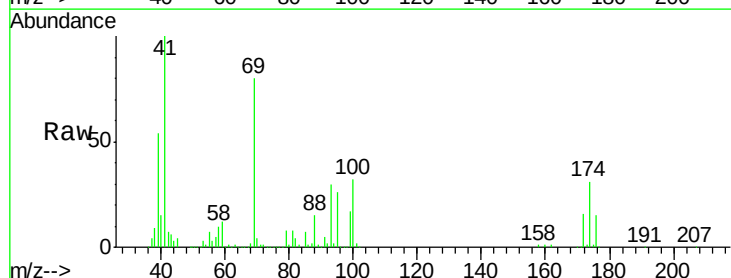
RT: 9.46 min Scan# 1282

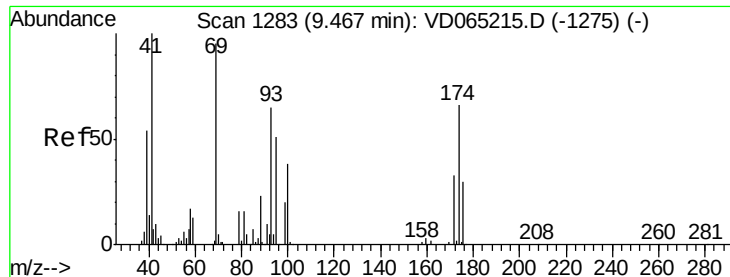
Delta R.T. 0.00 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Tgt Ion:	41	Resp:	276414
Ion	Ratio	Lower	Upper
41	100		
69	87.5	68.2	102.2
39	54.2	42.0	63.0





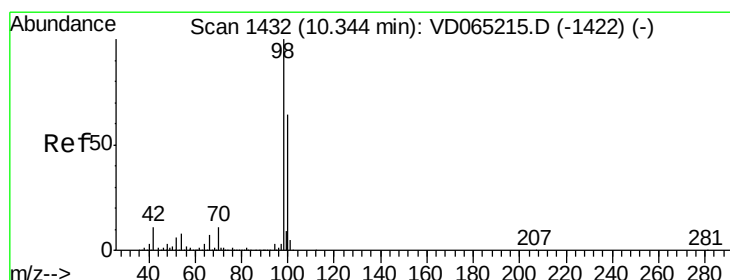
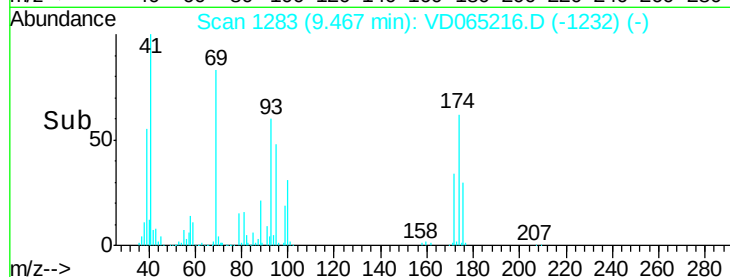
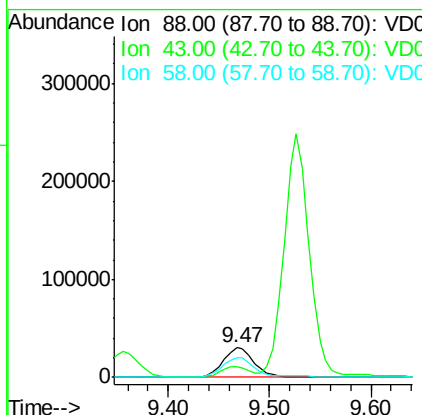
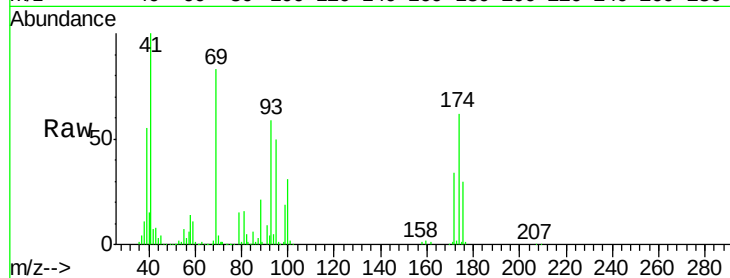
#49
1,4-Dioxane
Concen: 2117.043 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	63857
Ion	Ratio	Lower	Upper
88	100		
43	35.3	28.5	42.7
58	67.6	58.6	87.8

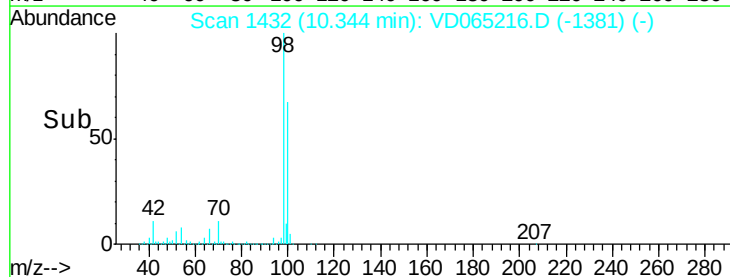
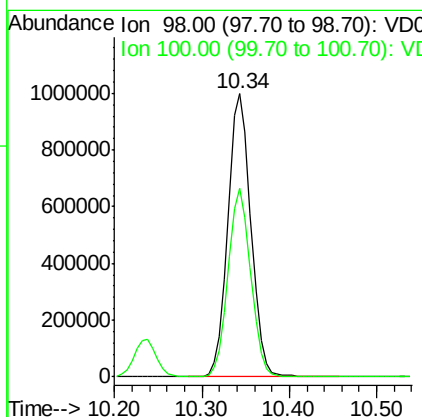
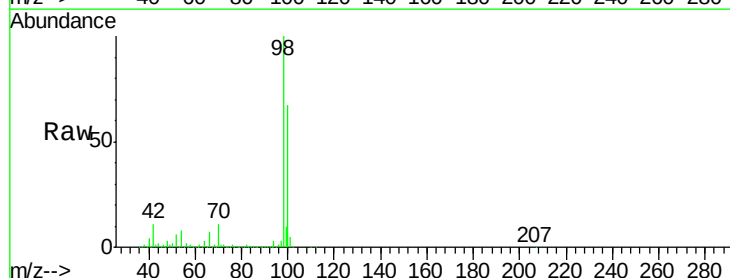
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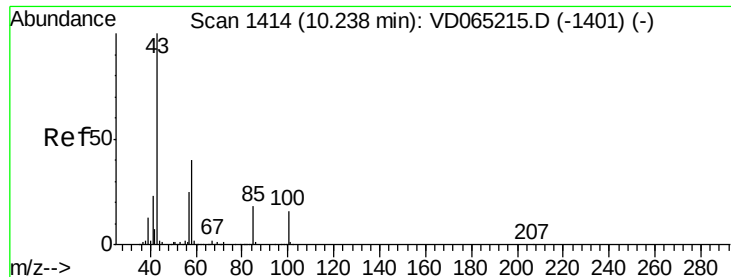
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#50
Toluene-d8
Concen: 105.092 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Tgt Ion	98	Resp	1792980
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0





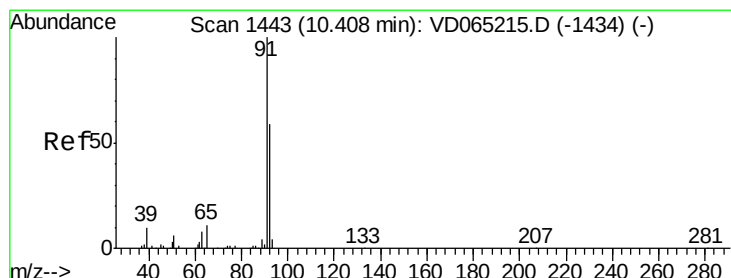
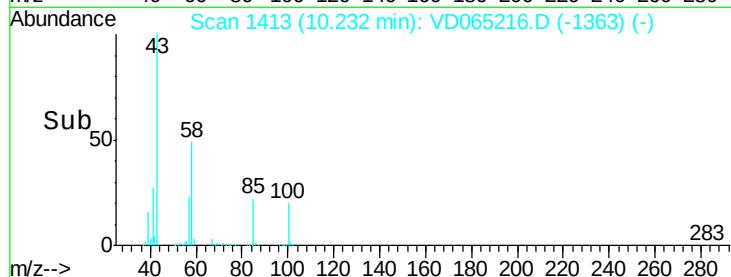
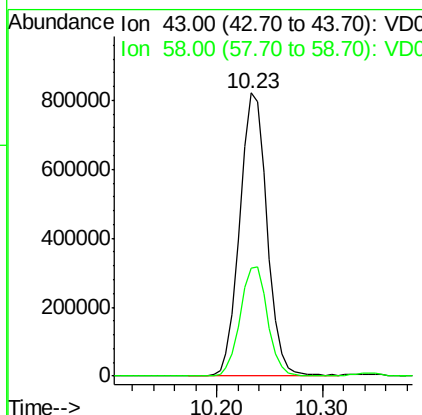
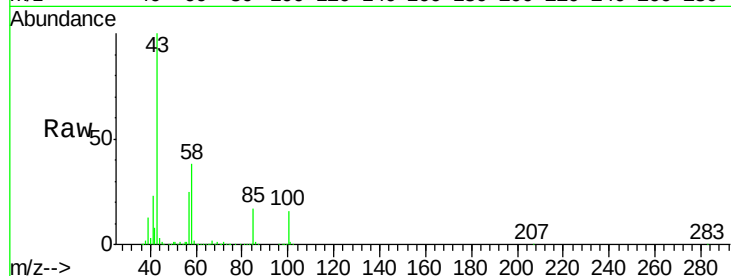
#51
4-Methyl-2-Pentanone
Concen: 535.574 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1472724
Ion Ratio Lower Upper
43 100
58 38.9 31.1 46.7

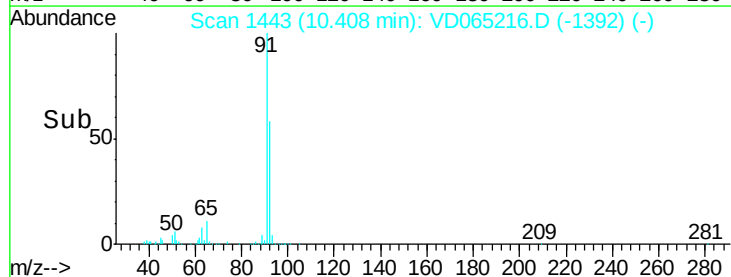
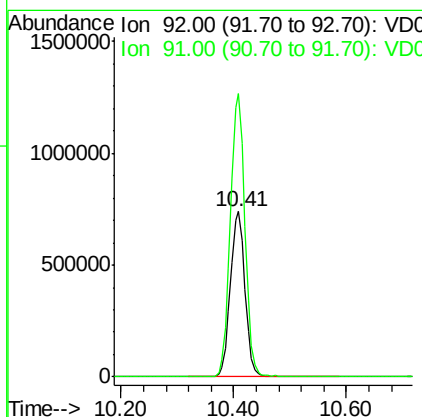
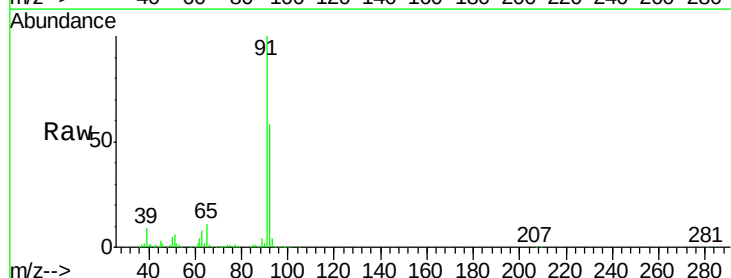
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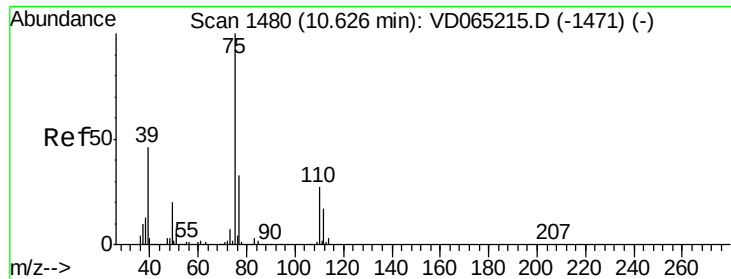
MMDadoda
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#52
Toluene
Concen: 107.708 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Tgt Ion: 92 Resp: 1340152
Ion Ratio Lower Upper
92 100
91 171.1 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 107.377 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 674565

Ion Ratio Lower Upper

75 100

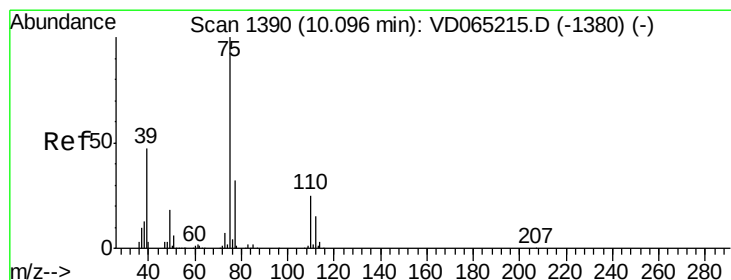
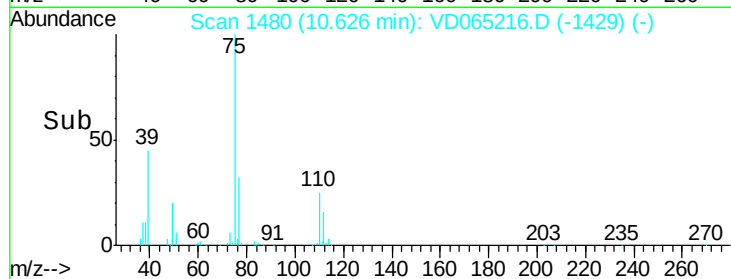
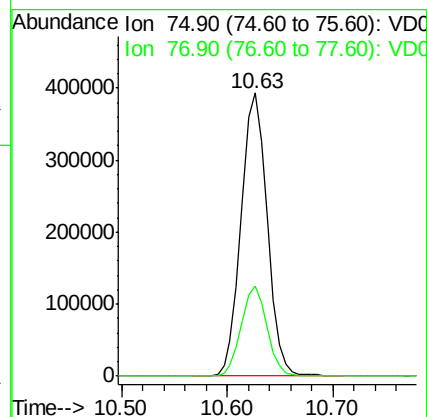
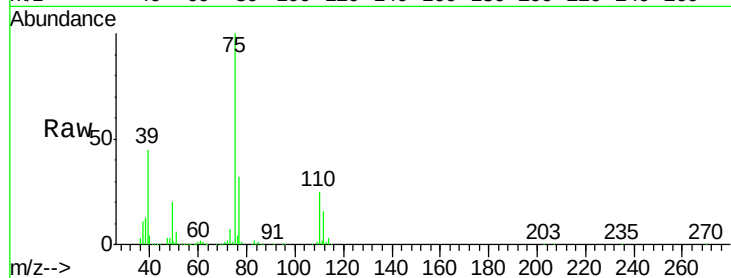
77 31.6 26.6 40.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 106.670 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

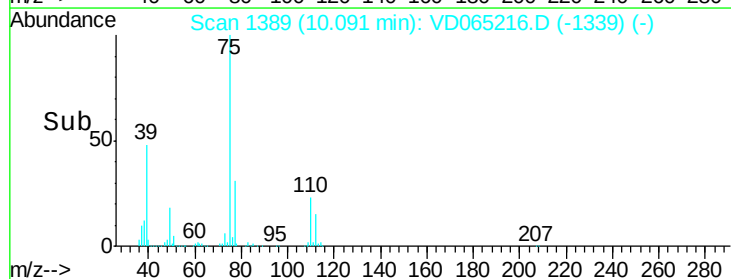
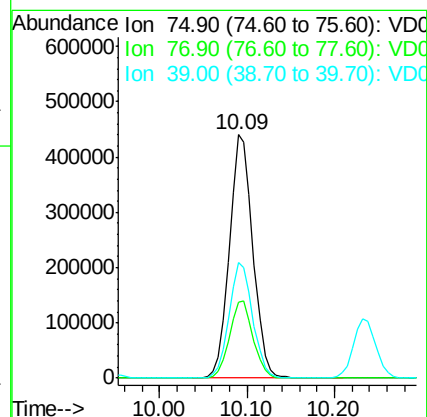
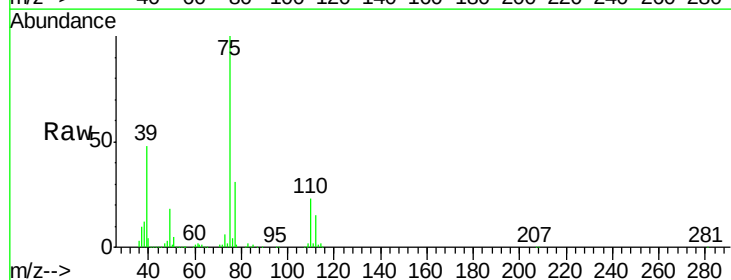
Tgt Ion: 75 Resp: 809205

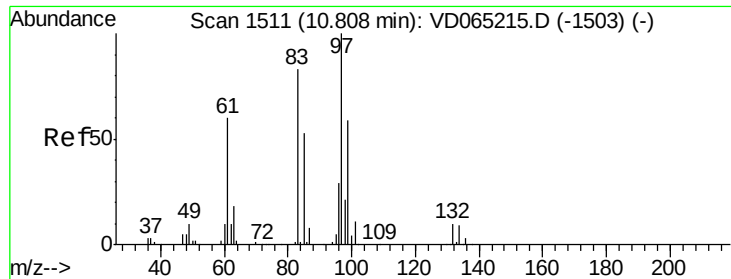
Ion Ratio Lower Upper

75 100

77 31.4 25.8 38.8

39 47.6 37.3 55.9





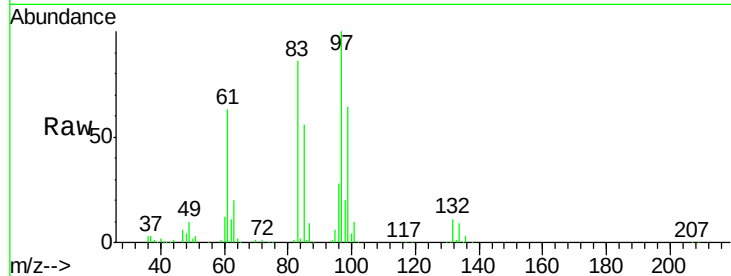
#55
 1,1,2-Trichloroethane
 Concen: 98.903 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065216.D
 Acq: 18 Feb 2020 12:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	358010
Ion	Ratio	Lower	Upper
97	100		
83	86.2	66.7	100.1
85	56.5	42.4	63.6
99	64.3	47.5	71.3

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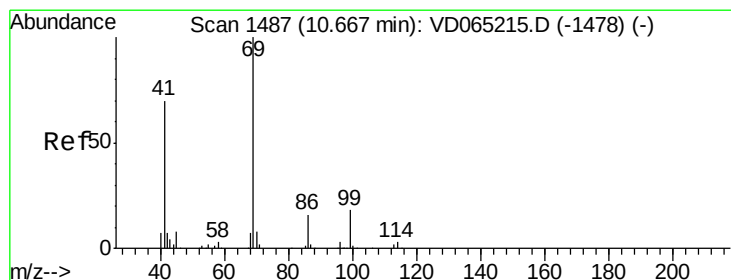
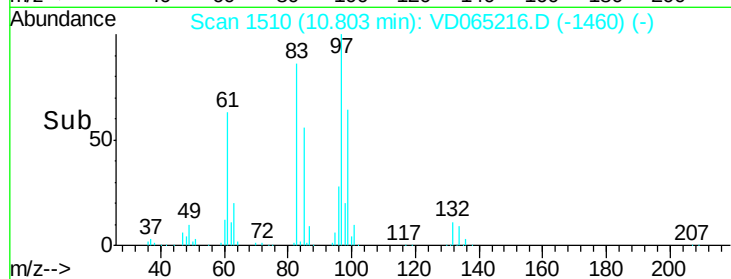
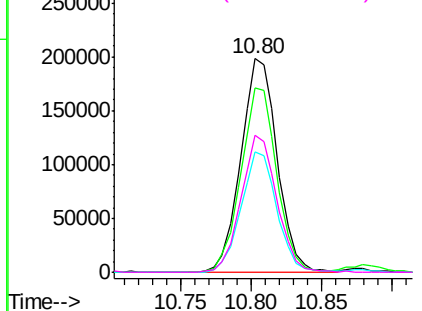
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

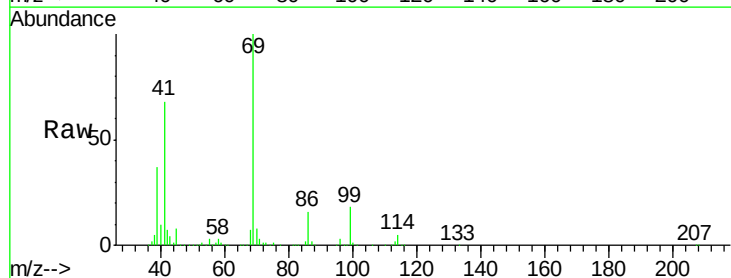
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 113.162 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065216.D
 Acq: 18 Feb 2020 12:26

Tgt Ion:	69	Resp:	472799
Ion	Ratio	Lower	Upper
69	100		
41	69.0	54.6	81.8
39	33.1	26.5	39.7

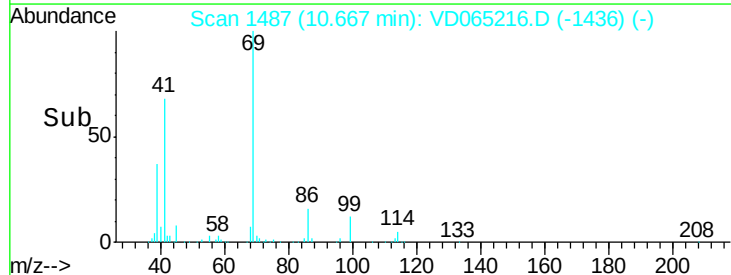
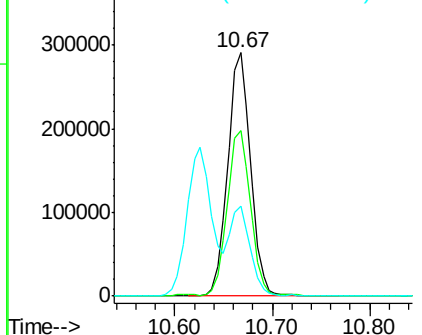


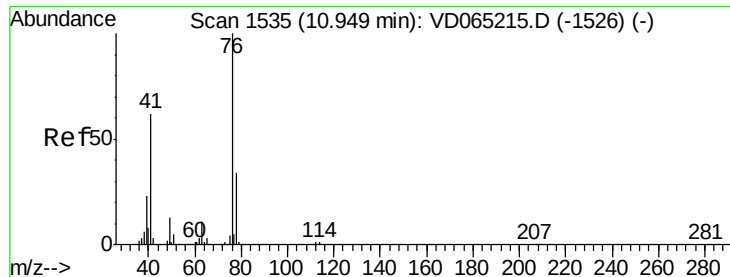
Abundance

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





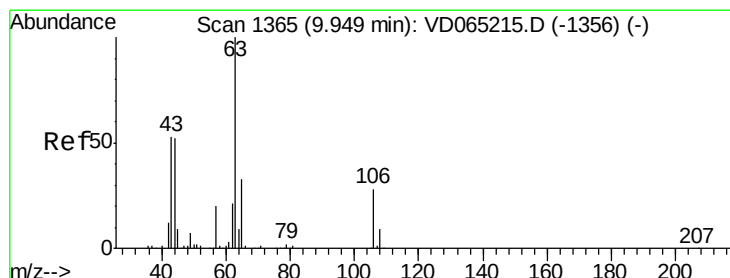
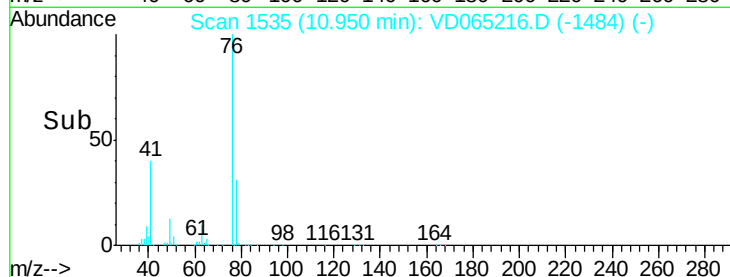
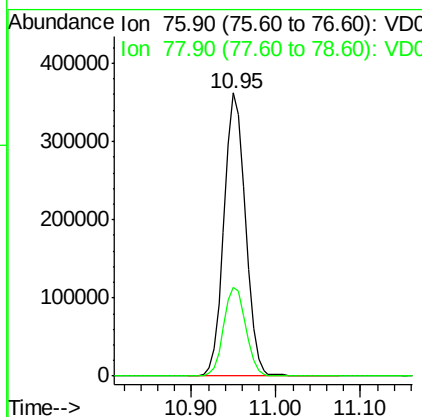
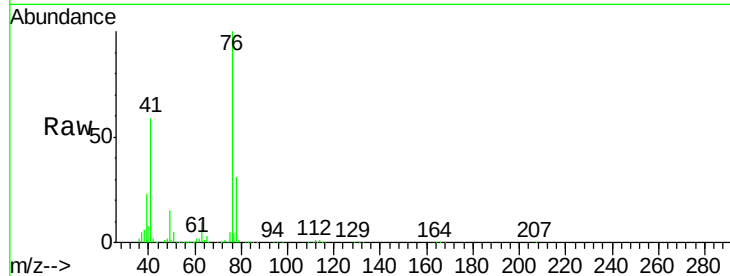
#57
 1,3-Dichloropropane
 Concen: 103.340 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065216.D
 Acq: 18 Feb 2020 12:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.3	39.5

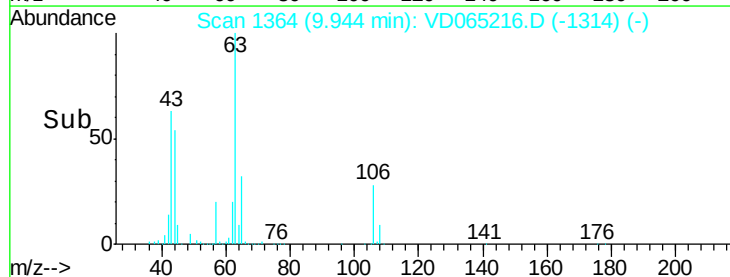
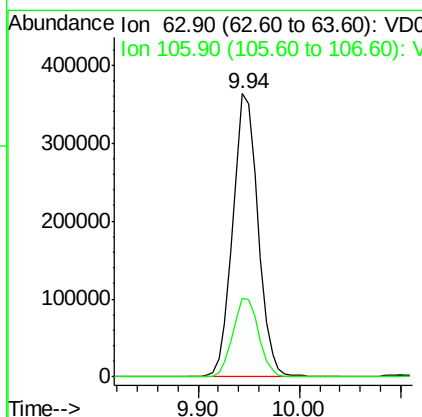
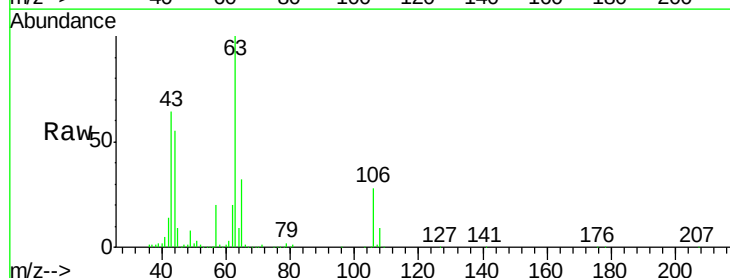
Manual Integrations
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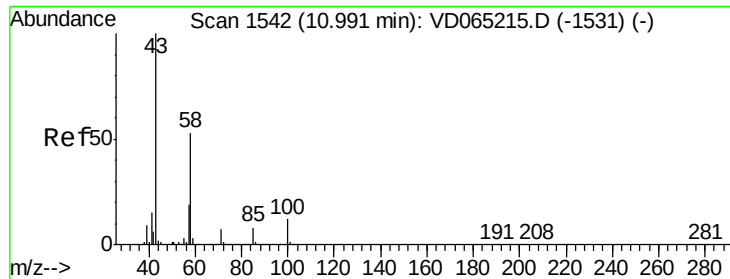
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 479.466 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065216.D
 Acq: 18 Feb 2020 12:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.4	22.8	34.2





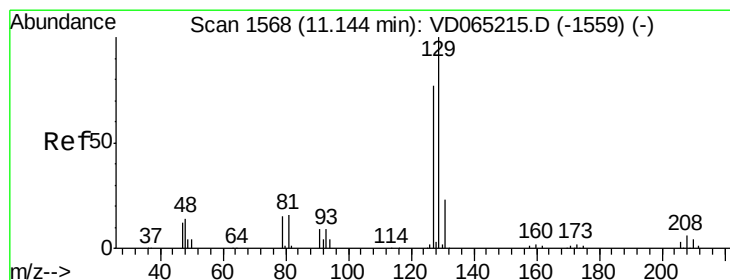
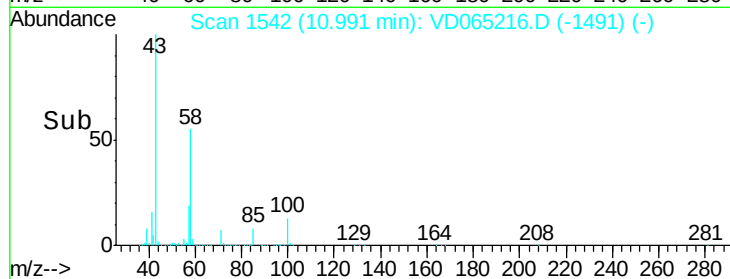
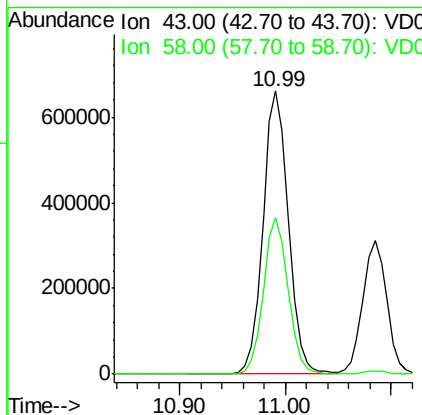
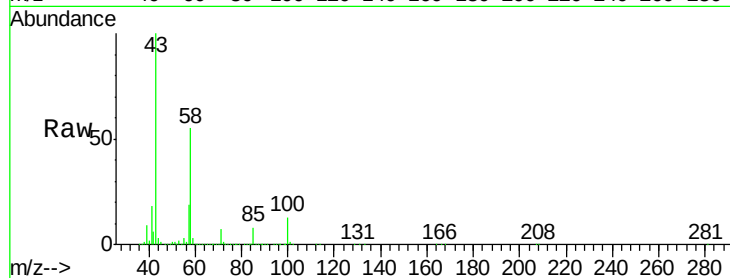
#59
2-Hexanone
Concen: 558.647 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1099654
Ion Ratio Lower Upper
43 100
58 54.0 26.3 78.8

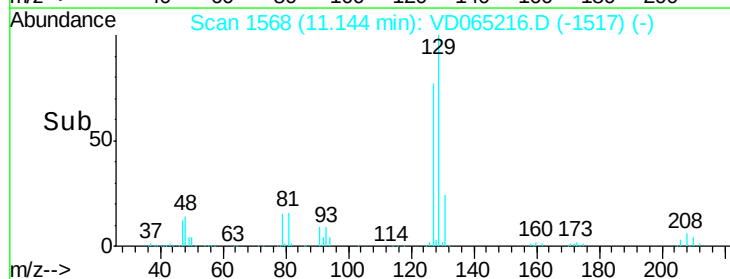
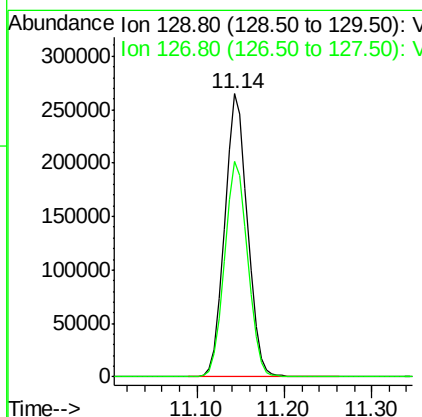
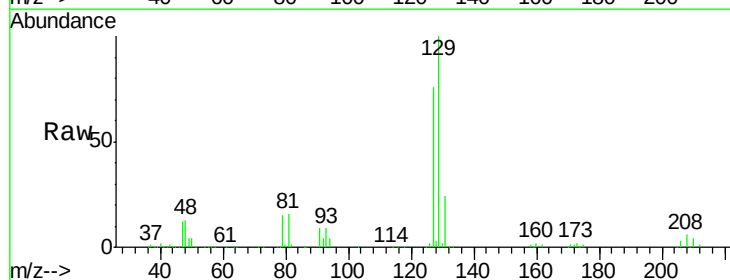
Manual Integrations
APPROVED

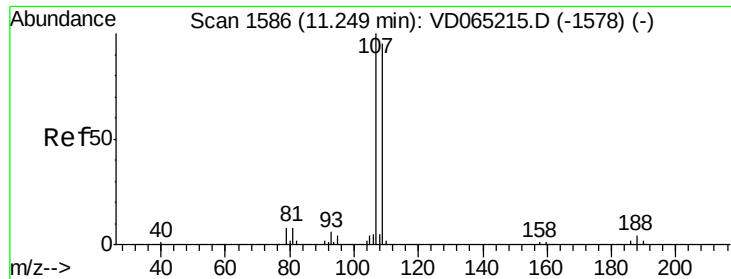
MMDadoda
2/19/2020 1:44:13 PM



#60
Dibromochloromethane
Concen: 101.163 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Tgt Ion: 129 Resp: 468698
Ion Ratio Lower Upper
129 100
127 77.6 38.7 116.1





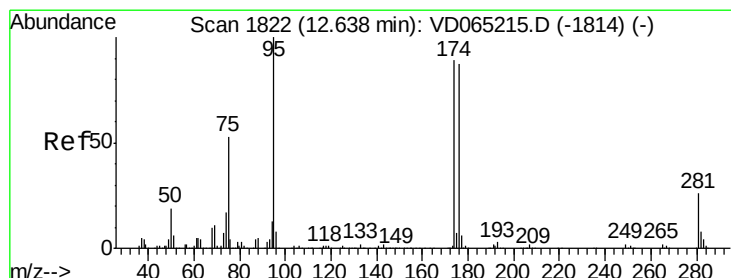
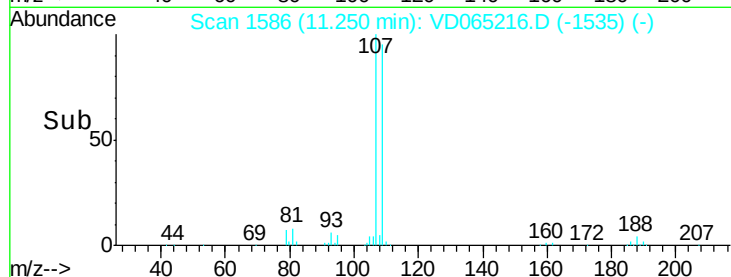
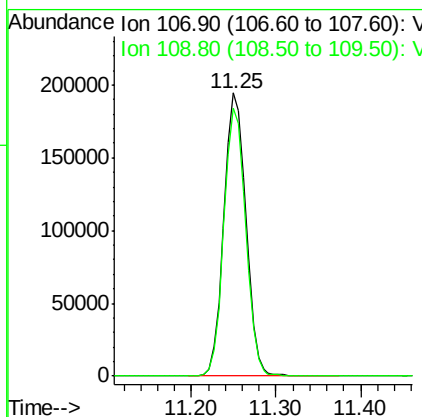
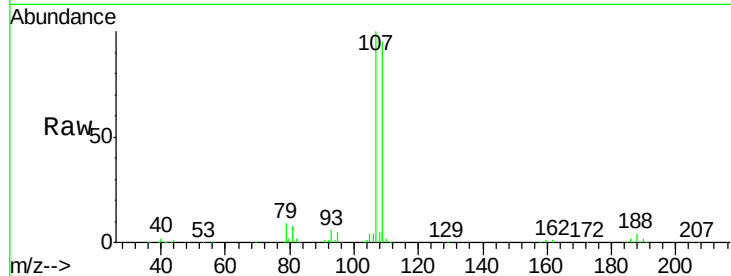
#61
 1,2-Dibromoethane
 Concen: 102.579 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065216.D
 Acq: 18 Feb 2020 12:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	76.2	114.4

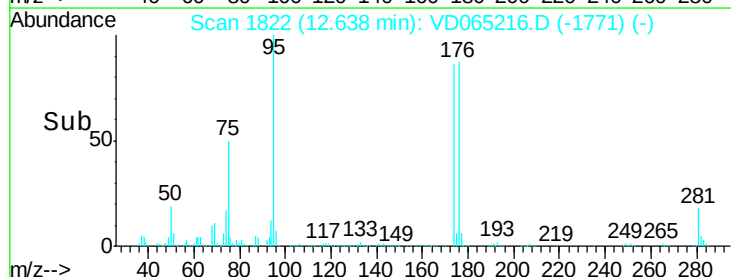
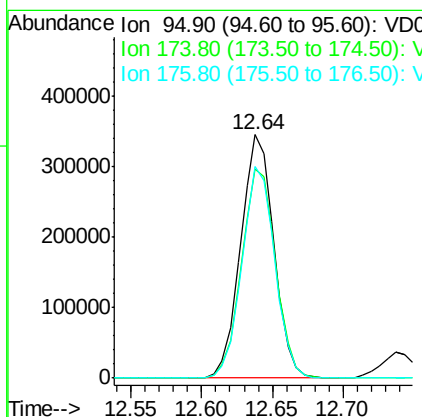
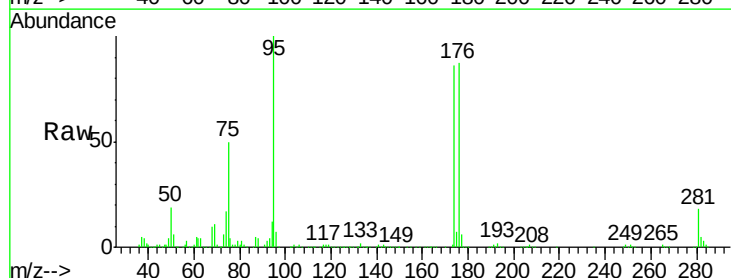
Manual Integrations
 APPROVED

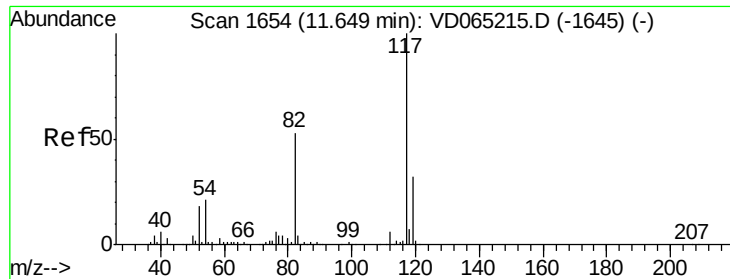
MMDadoda
 2/19/2020 1:44:13 PM



#62
 4-Bromofluorobenzene
 Concen: 104.888 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065216.D
 Acq: 18 Feb 2020 12:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.4	0.0	178.0
176	86.3	0.0	174.4





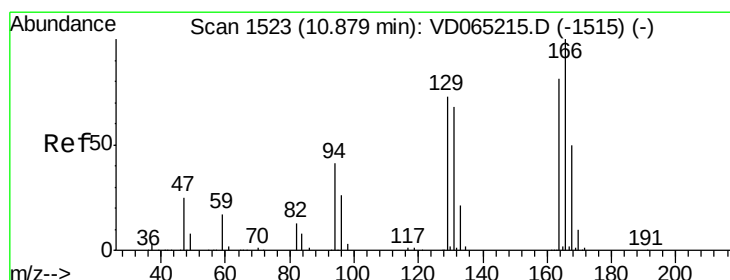
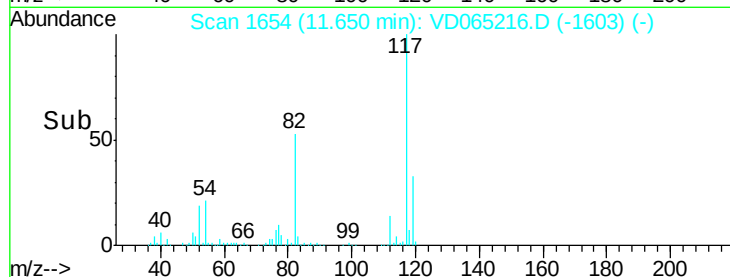
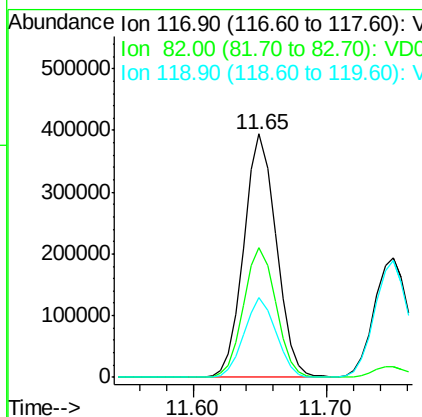
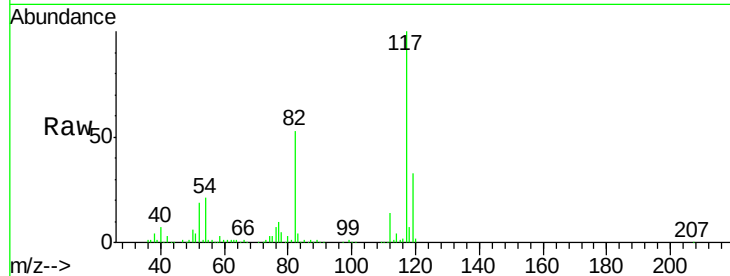
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.7	64.1
119	33.0	25.5	38.3

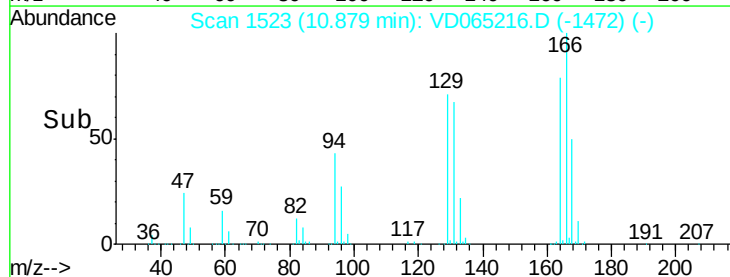
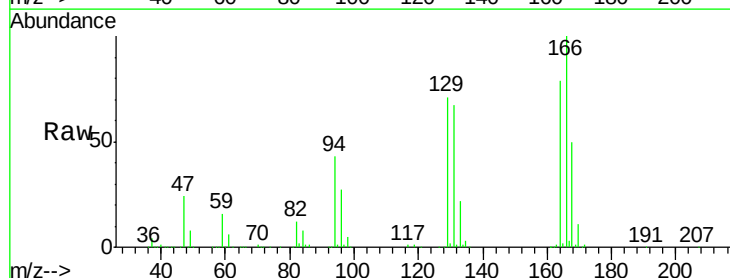
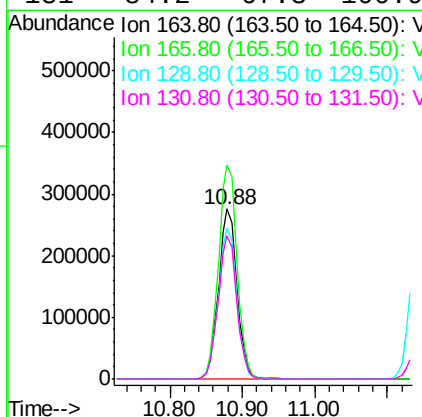
Manual Integrations
APPROVED

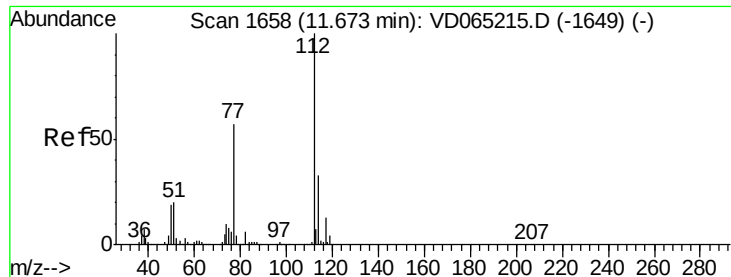
MMDadoda
2/19/2020 1:44:13 PM



#64
Tetrachloroethene
Concen: 103.889 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	98.4	147.6
129	89.4	71.6	107.4
131	84.2	67.3	100.9





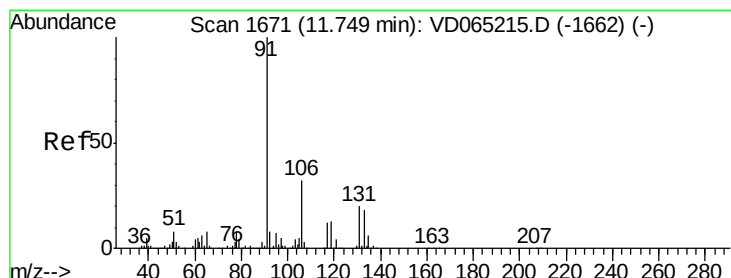
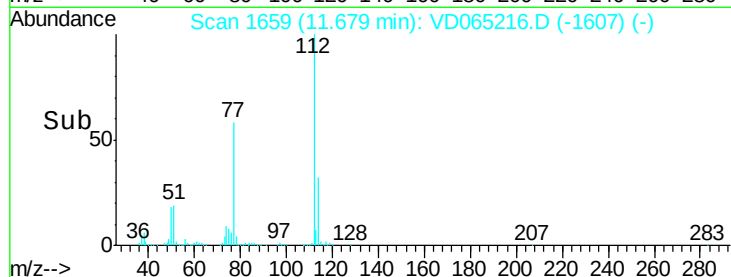
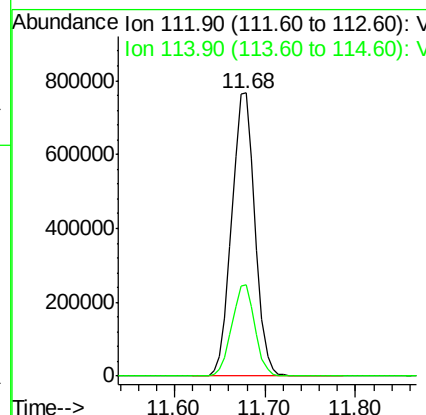
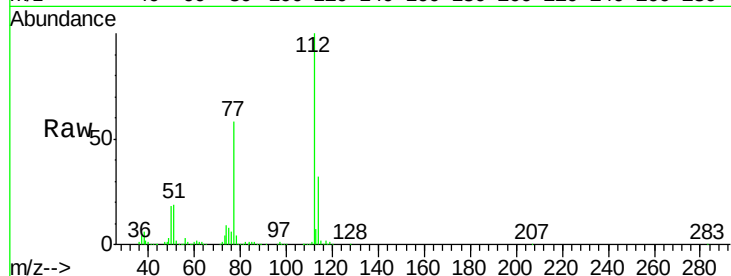
#65
Chlorobenzene
Concen: 103.025 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1368918
Ion Ratio Lower Upper
112 100
114 32.2 26.4 39.6

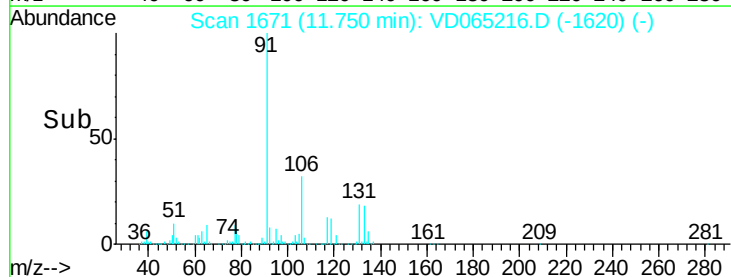
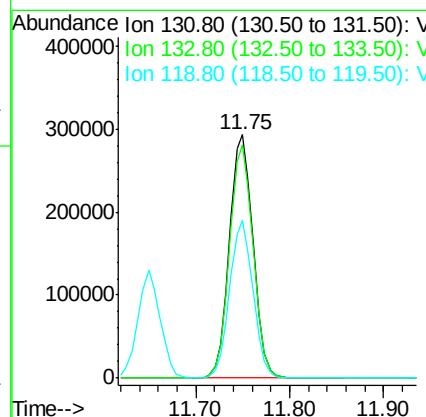
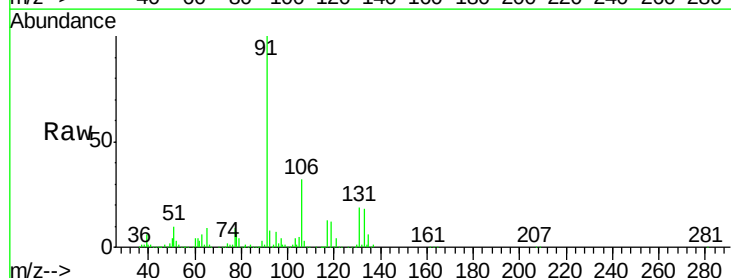
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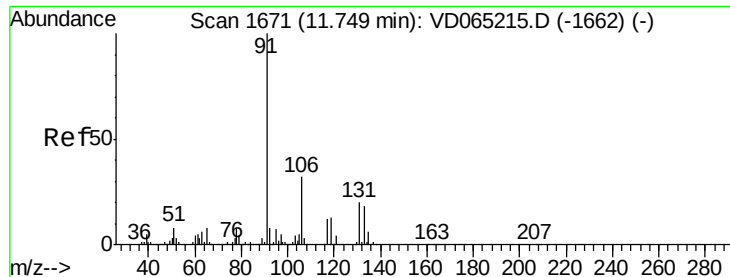
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 103.101 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Tgt Ion:131 Resp: 511223
Ion Ratio Lower Upper
131 100
133 95.6 47.7 143.1
119 64.1 32.7 98.1





#67

Ethyl Benzene

Concen: 108.540 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2525876

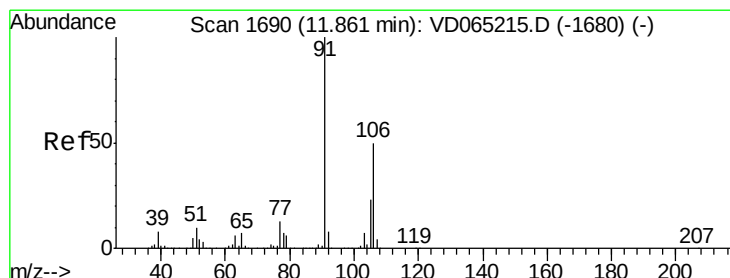
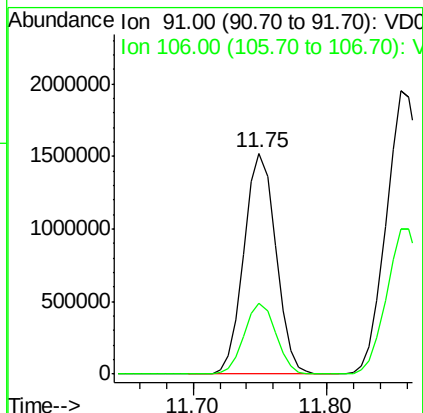
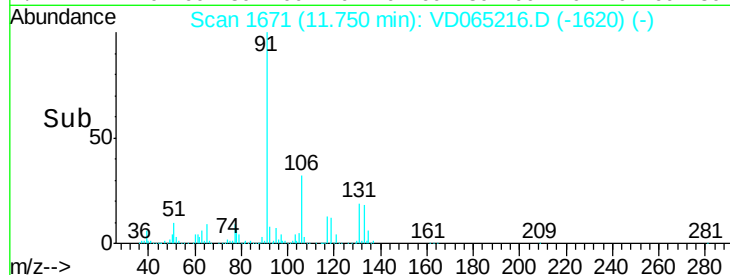
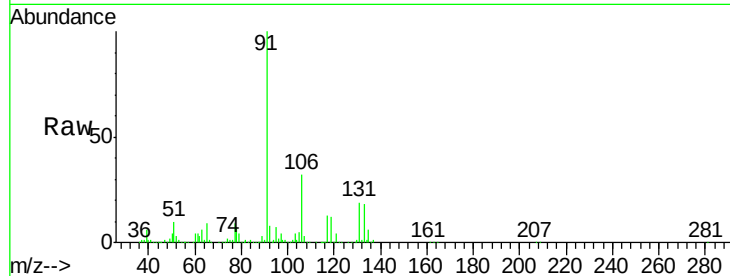
Ion Ratio Lower Upper

91 100

106 32.2 25.2 37.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 217.449 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065216.D

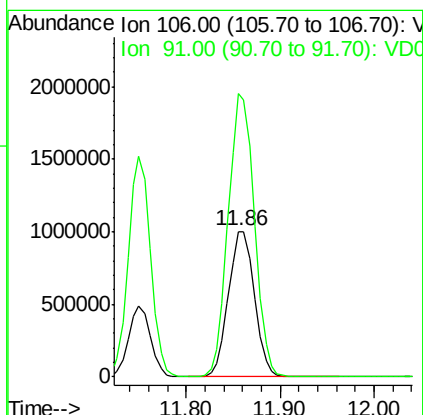
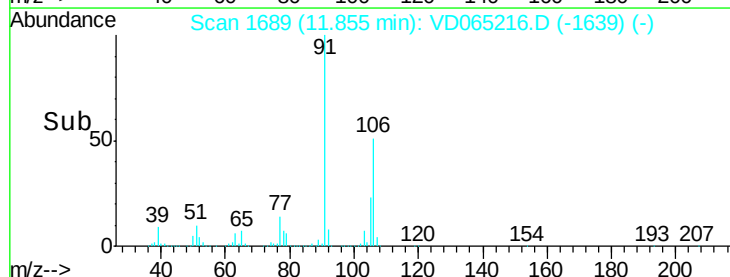
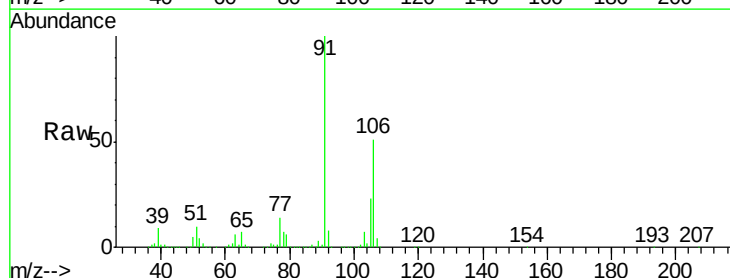
Acq: 18 Feb 2020 12:26

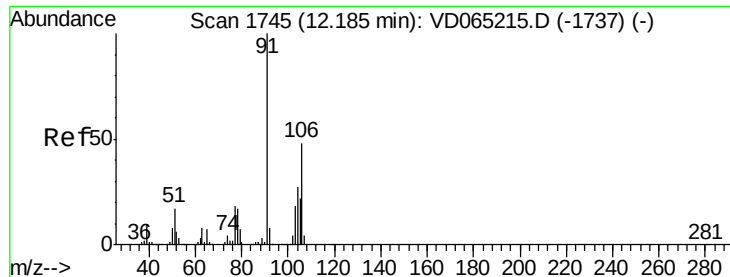
Tgt Ion: 106 Resp: 1936036

Ion Ratio Lower Upper

106 100

91 195.5 158.2 237.4





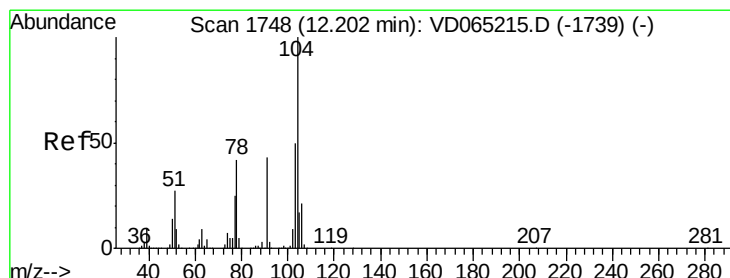
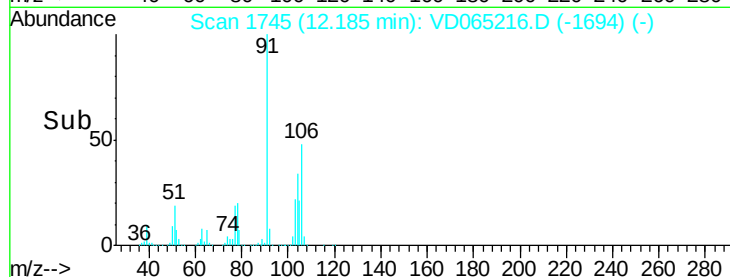
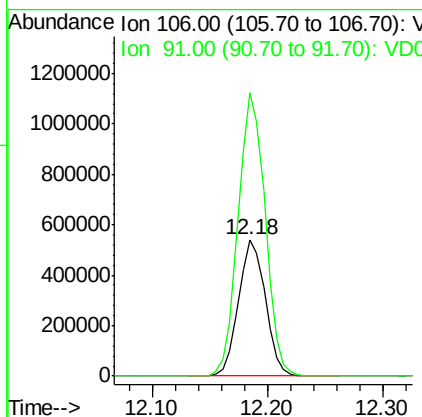
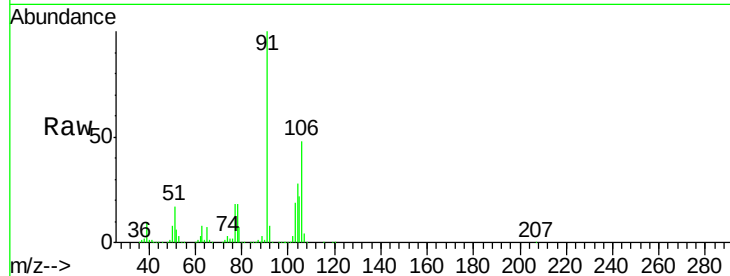
#69
o-Xylene
Concen: 111.080 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	208.5	104.7	313.9	

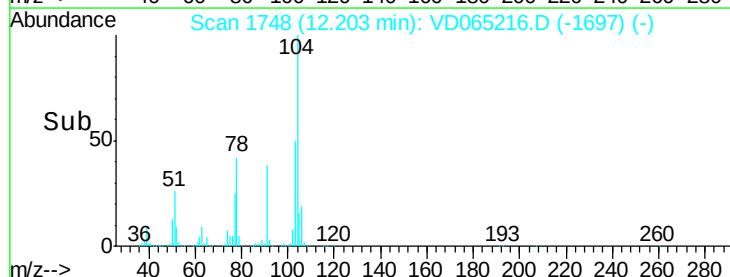
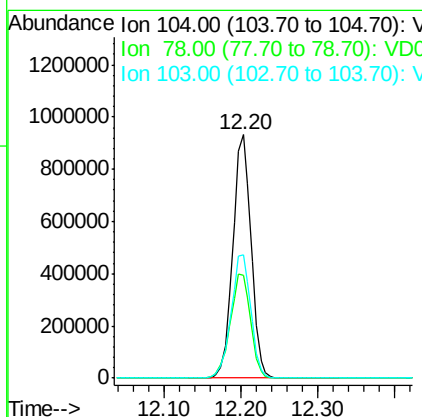
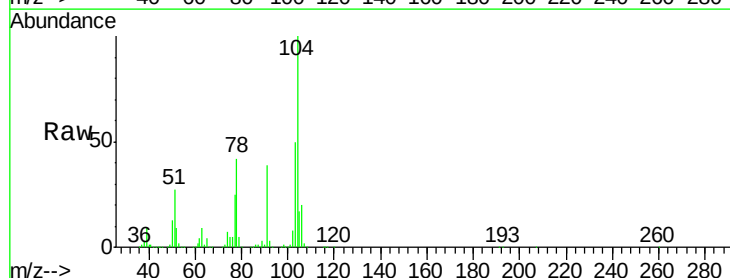
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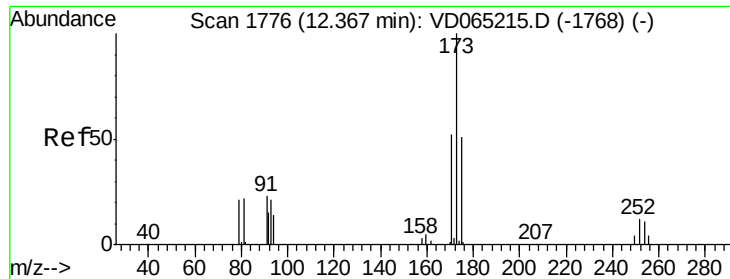
MMDadoda
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#70
Styrene
Concen: 110.720 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.3	37.8	56.6	
103	54.5	43.4	65.2	





#71

Bromoform

Concen: 102.428 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 281826

Ion Ratio Lower Upper

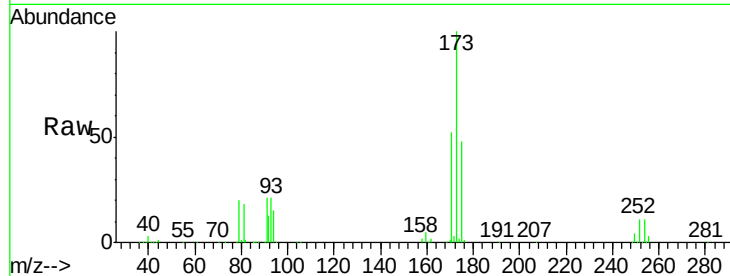
173 100

175 47.9 24.4 73.4

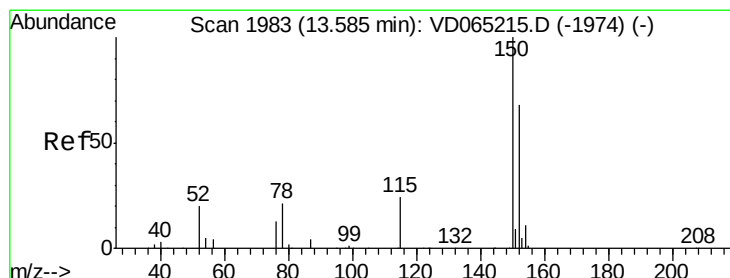
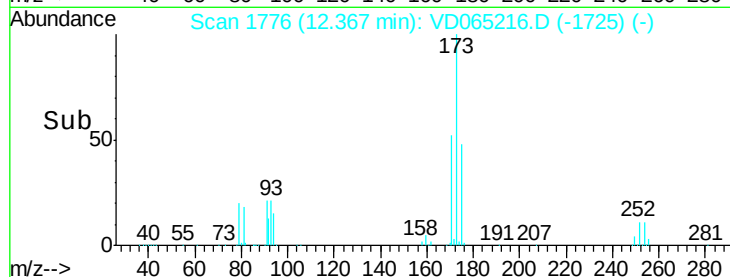
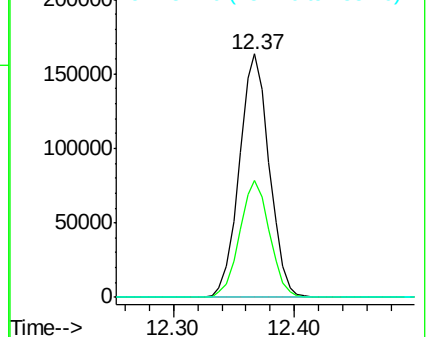
254 0.2 0.0 0.0#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

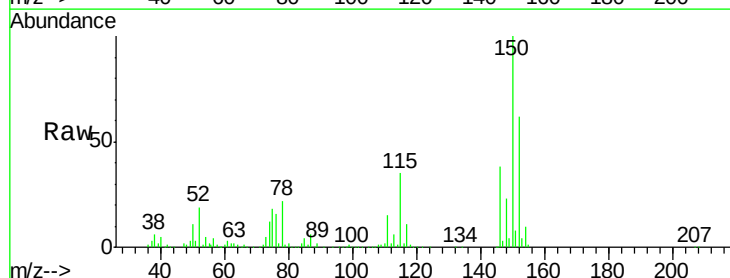
Tgt Ion:152 Resp: 323555

Ion Ratio Lower Upper

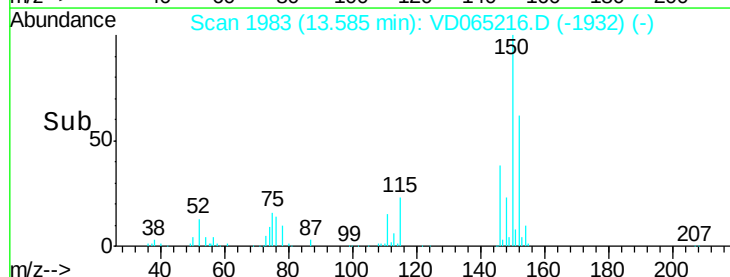
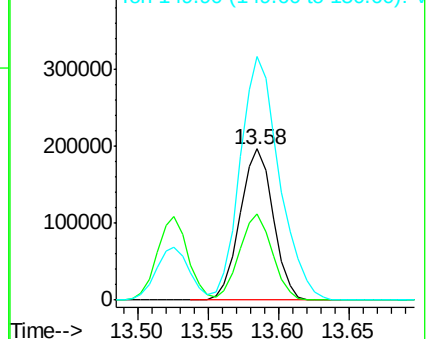
152 100

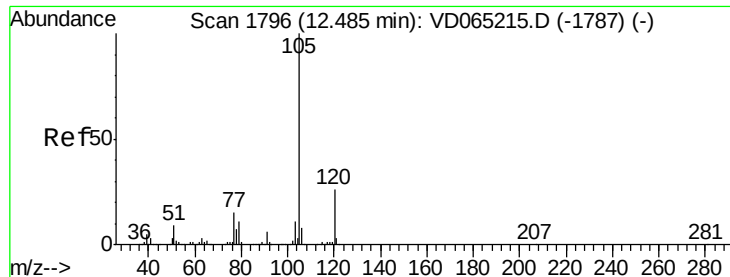
115 55.7 27.6 82.8

150 189.2 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





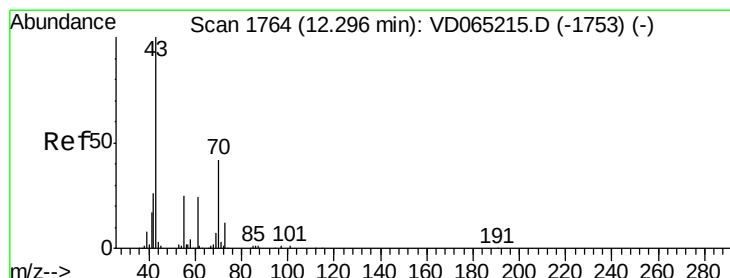
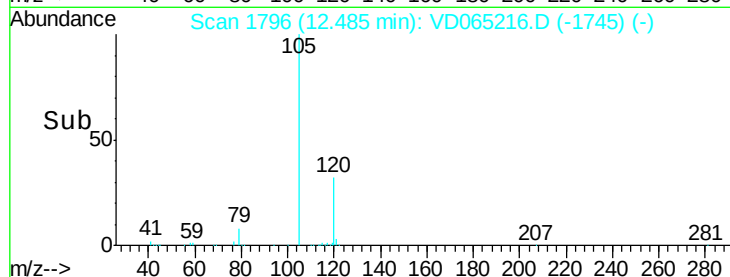
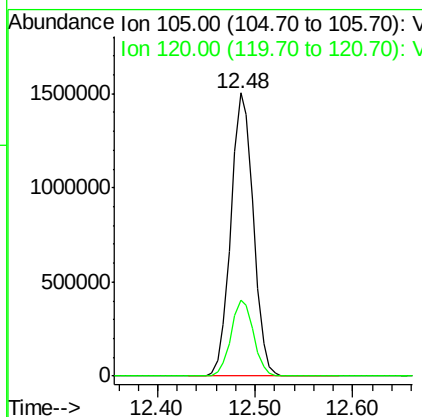
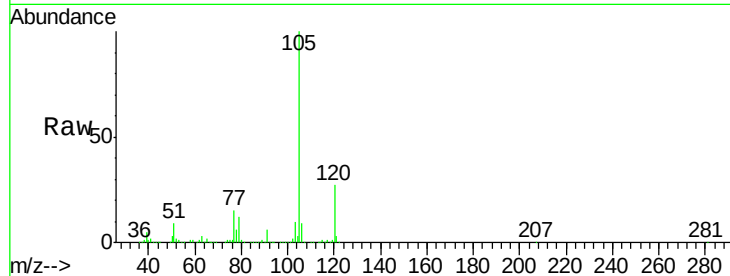
#73
Isopropylbenzene
Concen: 111.786 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 2394544
Ion Ratio Lower Upper
105 100
120 26.9 13.3 39.9

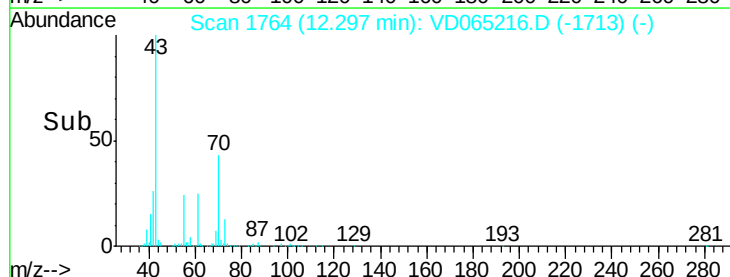
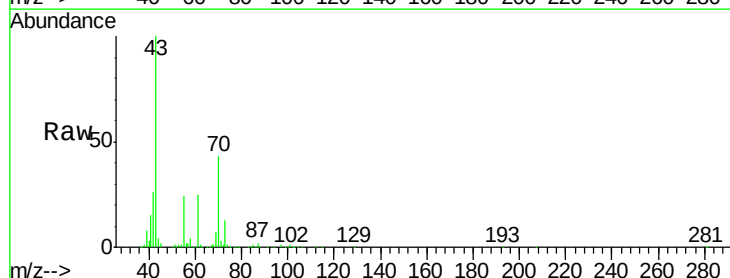
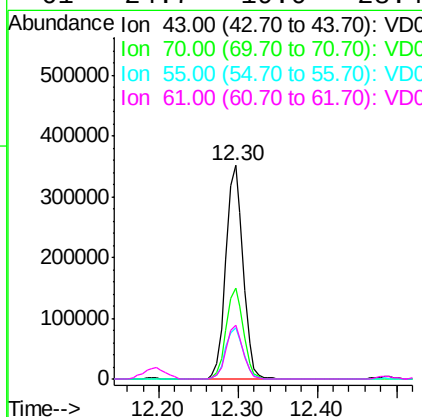
Manual Integrations
APPROVED

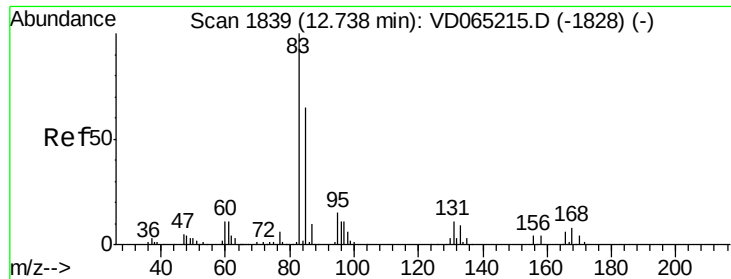
MMDadoda
2/19/2020 1:44:13 PM



#74
N-ethyl acetate
Concen: 110.868 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Tgt Ion: 43 Resp: 527712
Ion Ratio Lower Upper
43 100
70 42.7 33.7 50.5
55 25.0 20.7 31.1
61 24.7 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 99.556 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Instrument :

MSVOA_D

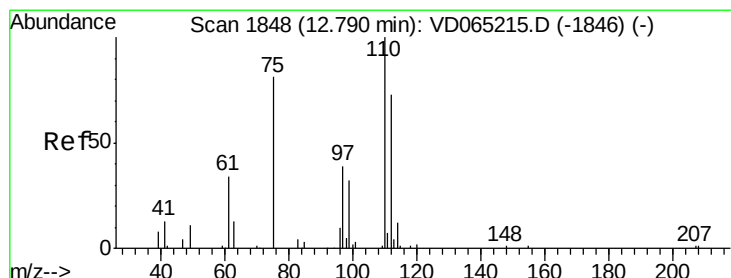
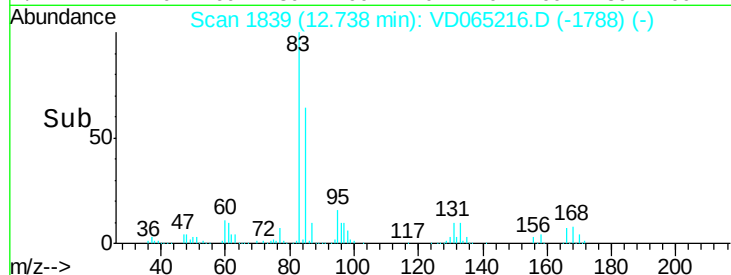
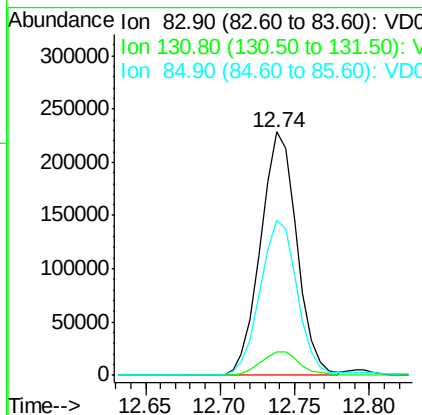
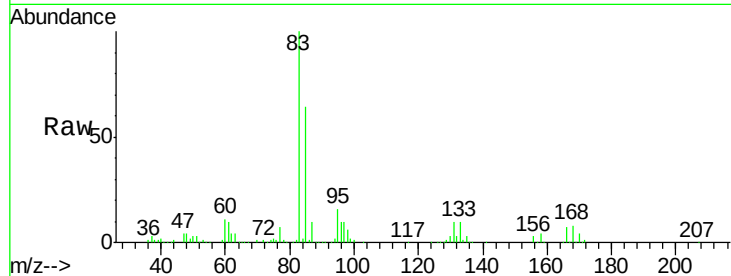
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	384881
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	64.6	31.6	94.8

Manual Integrations
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2/19/2020 1:44:13 PM



#76

1,2,3-Trichloropropane

Concen: 55.041 ug/l m

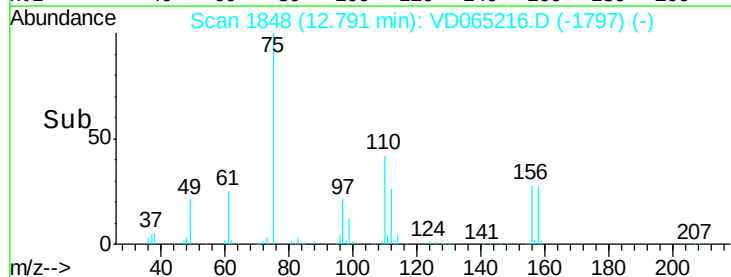
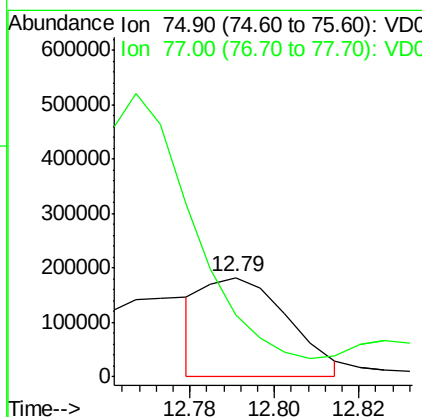
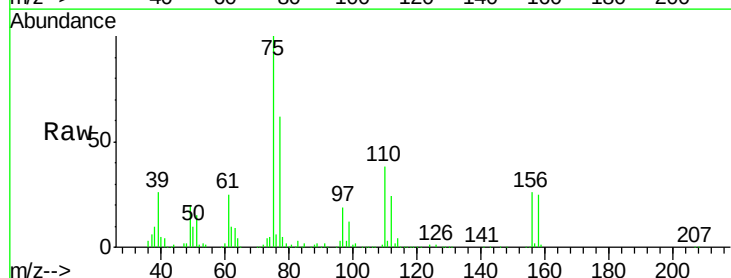
RT: 12.79 min Scan# 1848

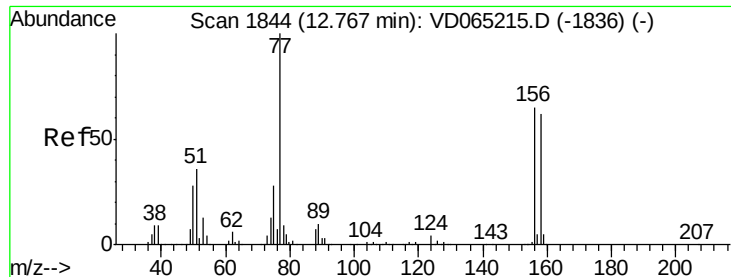
Delta R.T. 0.00 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Tgt Ion:	75	Resp:	255213
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 105.131 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Instrument :

MSVOA_D

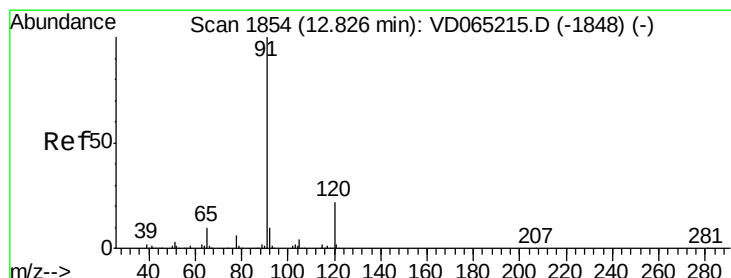
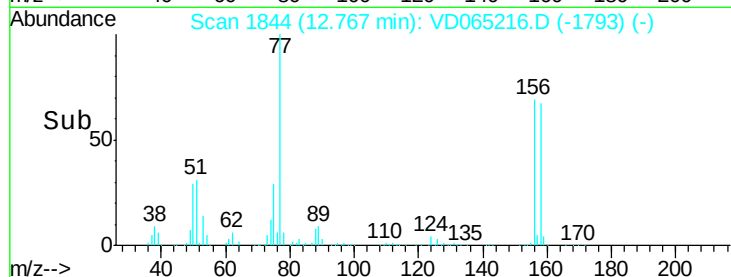
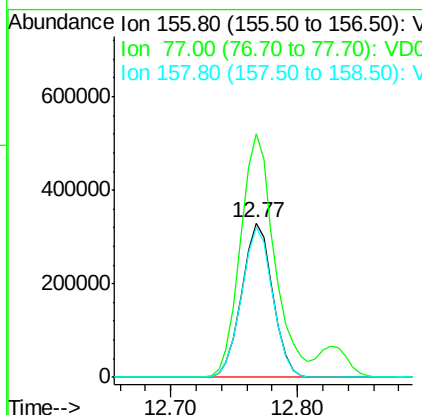
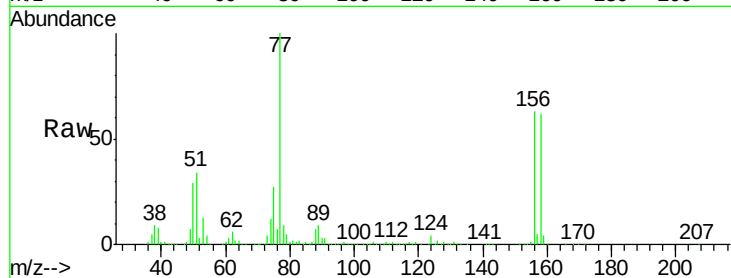
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	173.4	86.6	259.7
158	97.6	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 109.452 ug/l

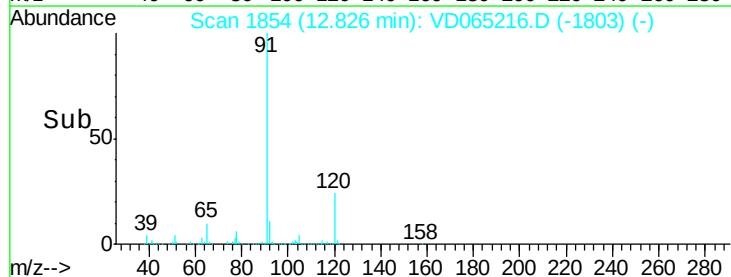
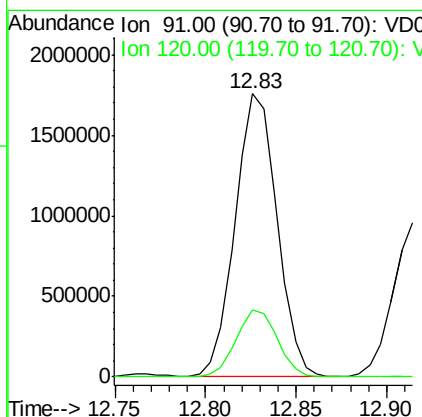
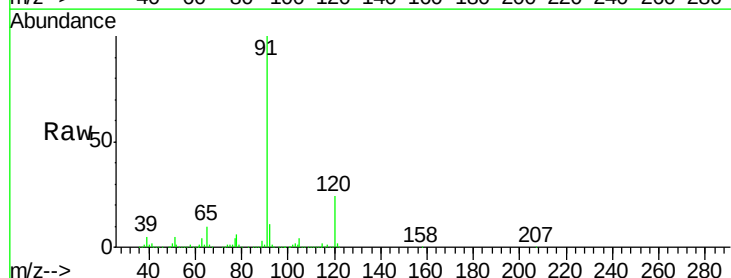
RT: 12.83 min Scan# 1854

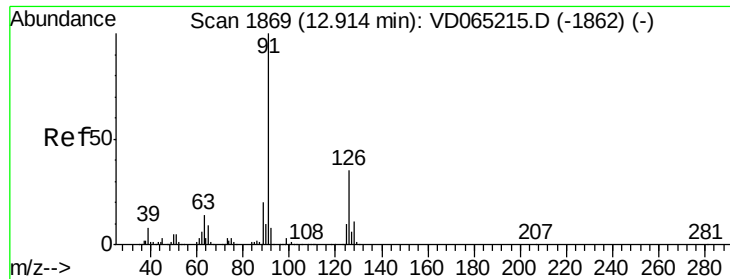
Delta R.T. 0.00 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.5	34.5





#79

2-Chlorotoluene

Concen: 107.797 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1554512

Ion Ratio Lower Upper

91 100

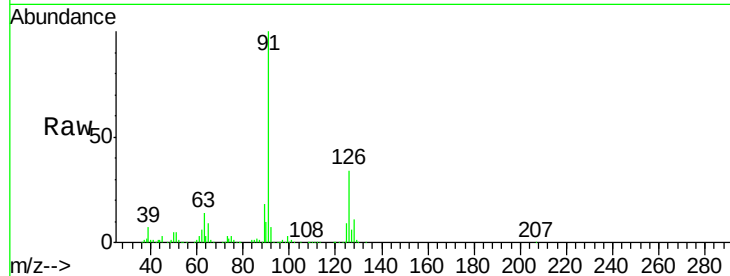
126 34.7 17.5 52.6

Manual Integrations

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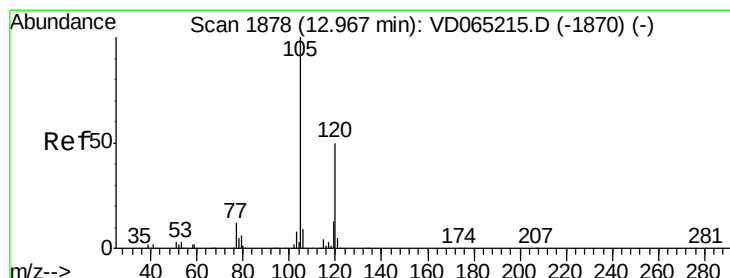
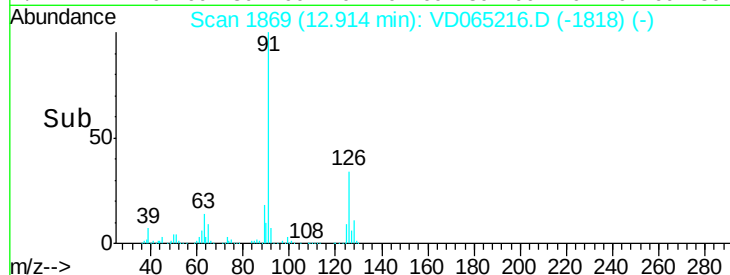
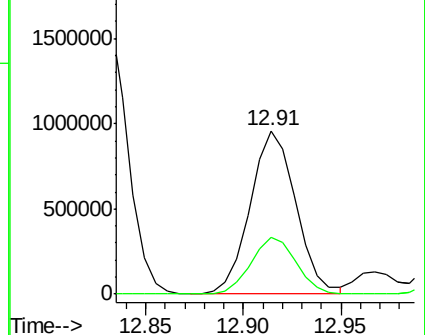
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Abundance Ion 91.00 (90.70 to 91.70): VD065216.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065216.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 110.706 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065216.D

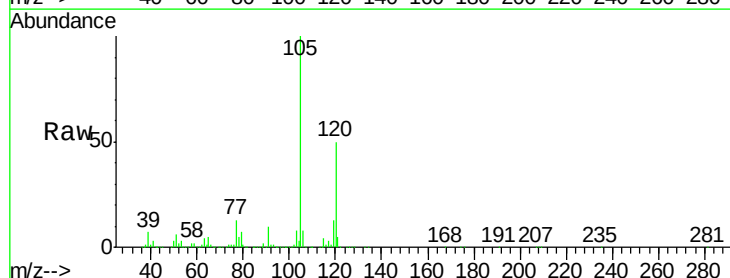
Acq: 18 Feb 2020 12:26

Tgt Ion: 105 Resp: 1953167

Ion Ratio Lower Upper

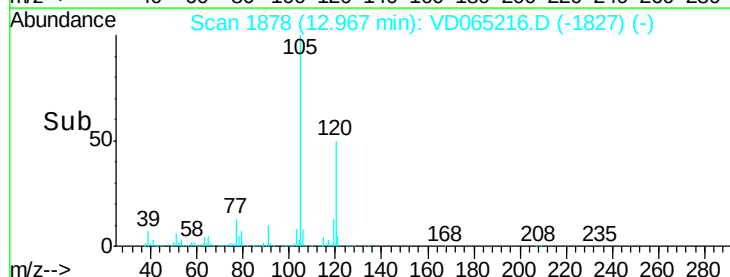
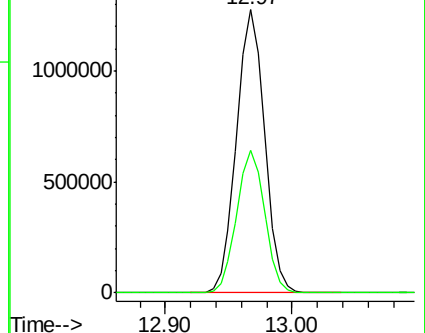
105 100

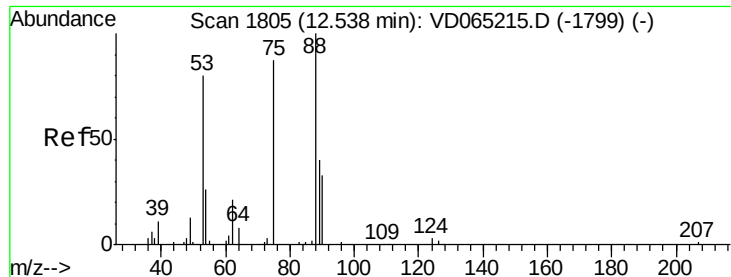
120 50.4 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD065216.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD065216.D (-1870) (-)





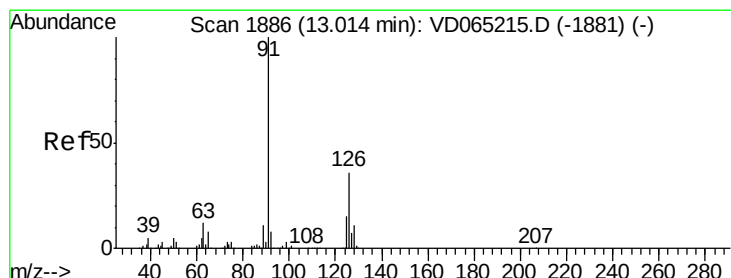
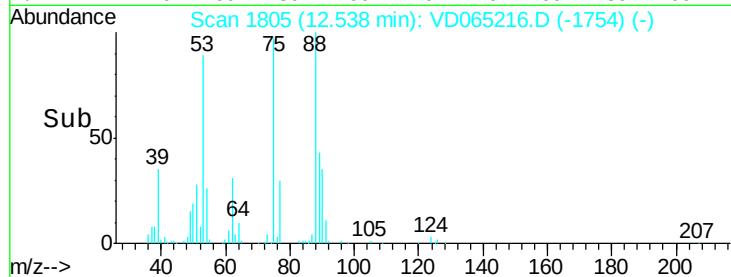
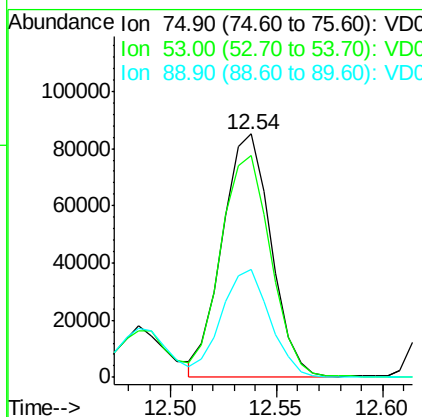
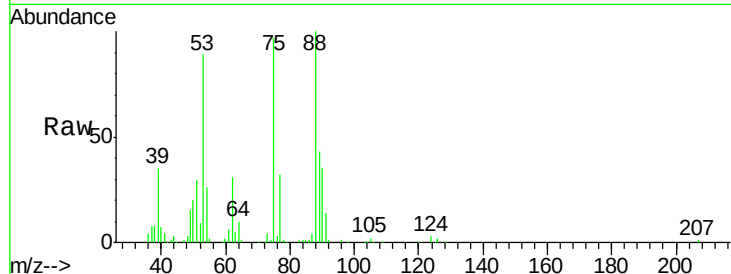
#81
trans-1,4-Dichloro-2-butene
Concen: 106.000 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.5	77.6	116.4
89	44.9	37.2	55.8

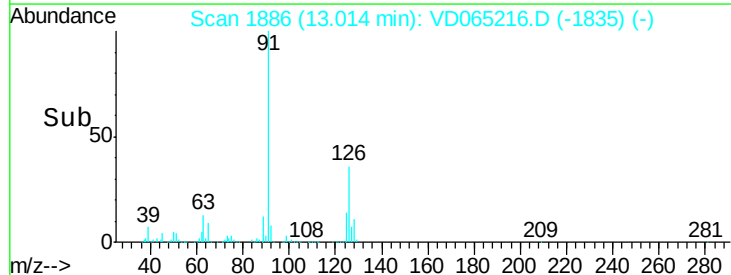
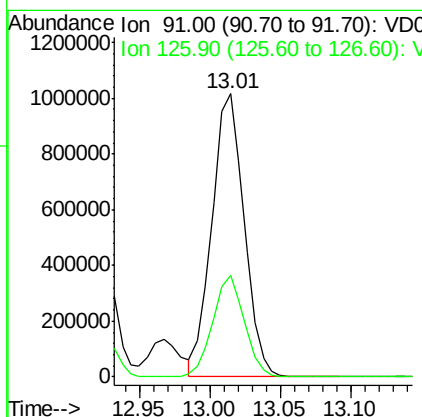
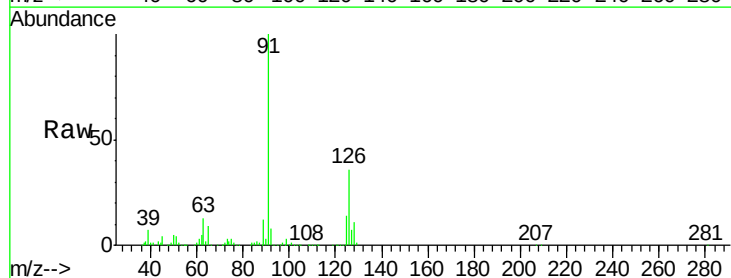
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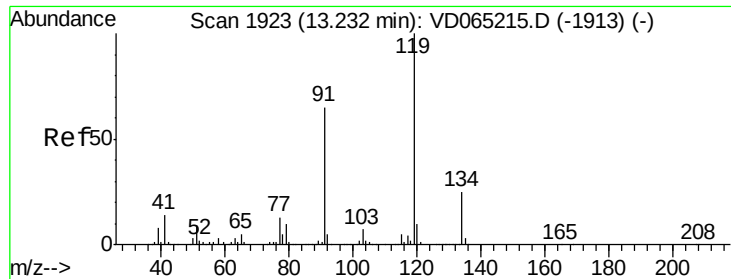
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#82
4-Chlorotoluene
Concen: 105.162 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.4	52.3





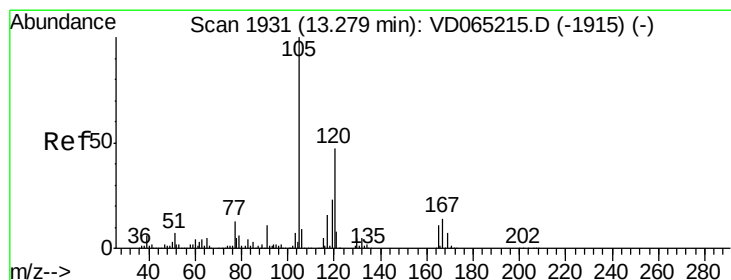
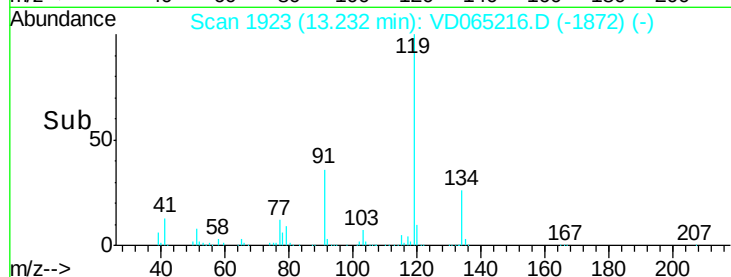
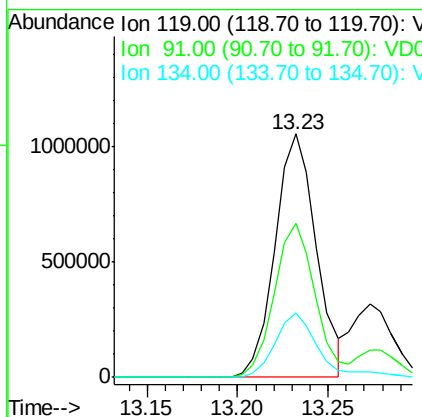
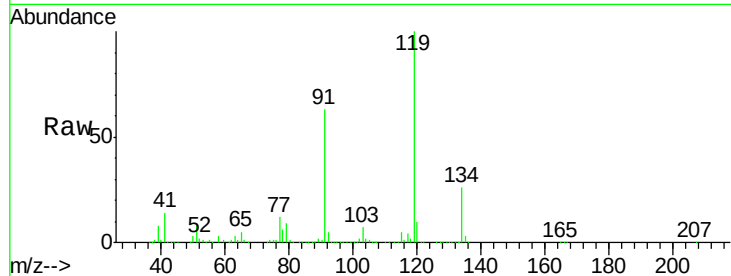
#83
 tert-Butylbenzene
 Concen: 113.268 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065216.D
 Acq: 18 Feb 2020 12:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 1674882
 Ion Ratio Lower Upper
 119 100
 91 63.2 31.9 95.5
 134 27.7 13.8 41.3

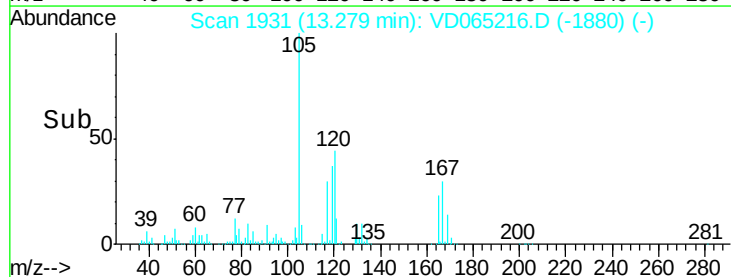
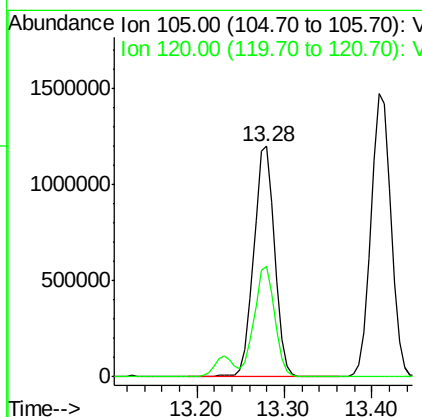
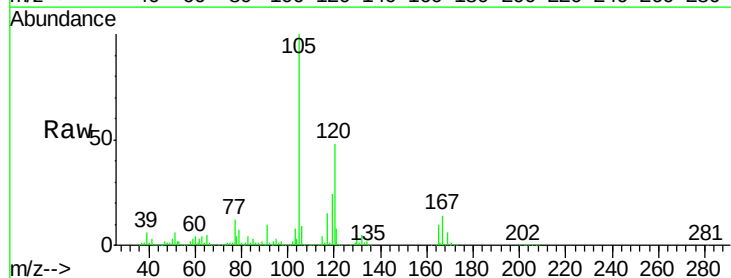
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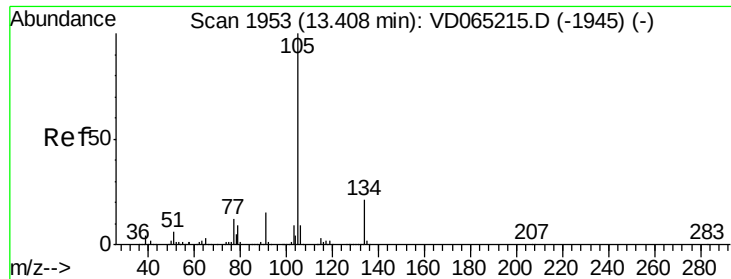
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#84
 1,2,4-Trimethylbenzene
 Concen: 109.676 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065216.D
 Acq: 18 Feb 2020 12:26

Tgt Ion:105 Resp: 1936774
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.3 69.9





#85

sec-Butylbenzene

Concen: 110.261 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2349360

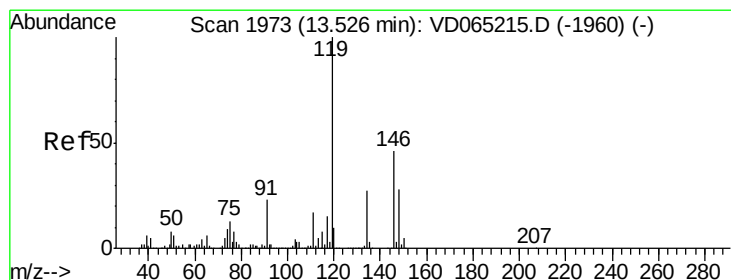
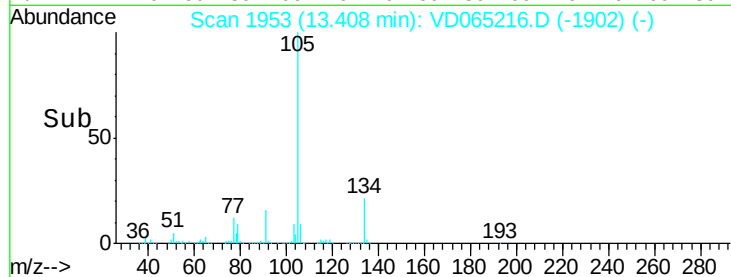
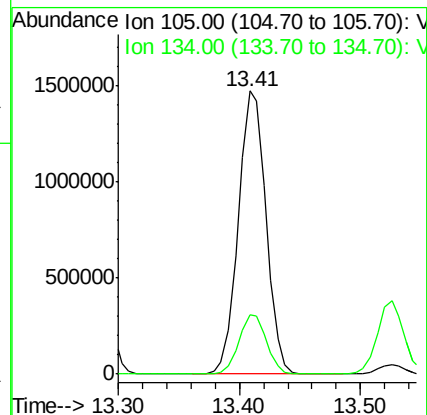
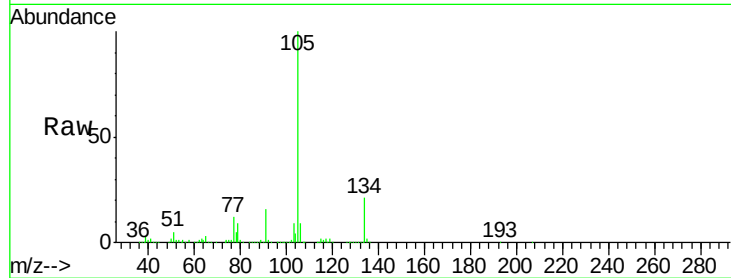
Ion Ratio Lower Upper

105 100

134 20.7 10.3 30.9

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#86

p-Isopropyltoluene

Concen: 112.376 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065216.D

Acq: 18 Feb 2020 12:26

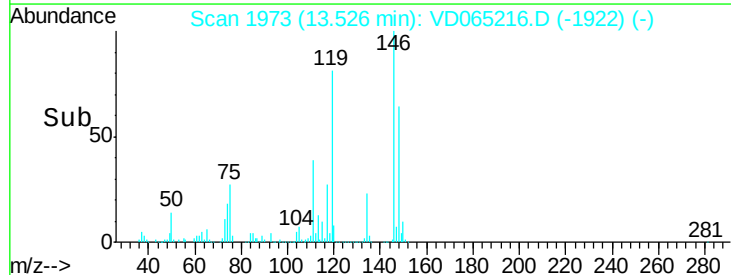
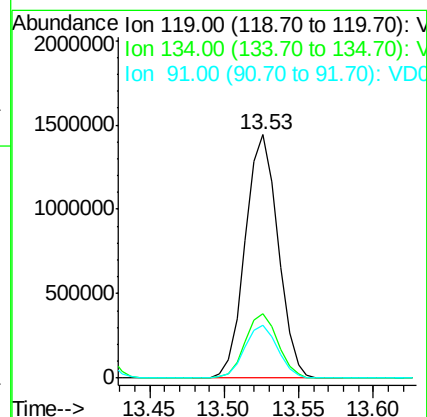
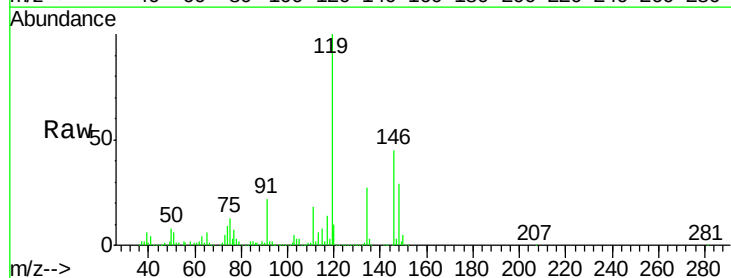
Tgt Ion:119 Resp: 2189688

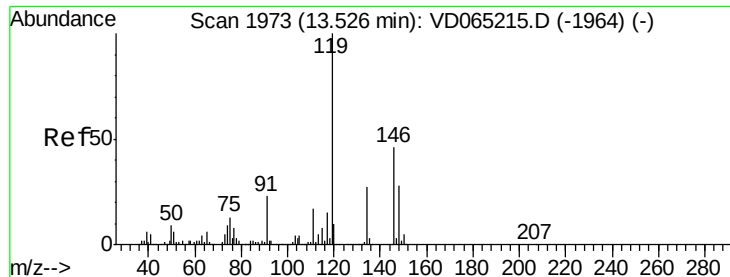
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 21.9 11.1 33.1





#87
 1,3-Dichlorobenzene
 Concen: 103.730 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065216.D
 Acq: 18 Feb 2020 12:26

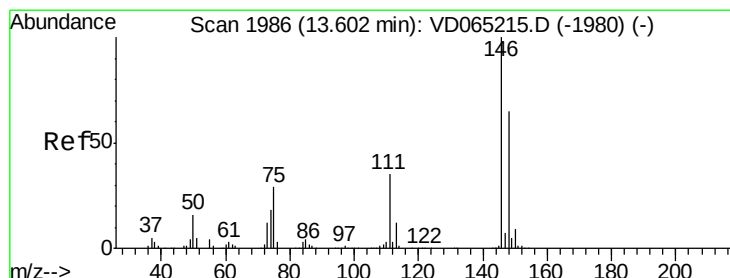
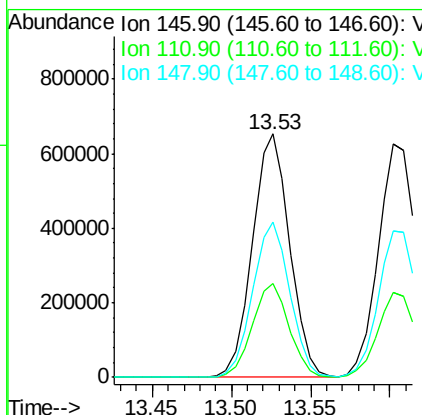
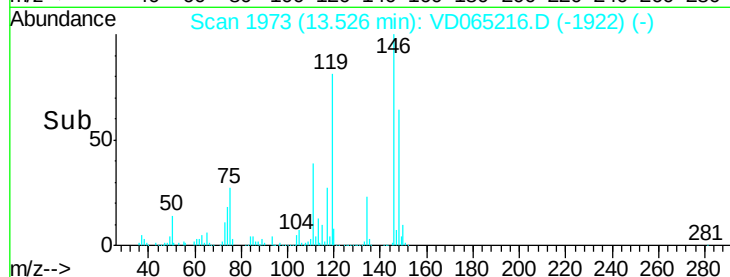
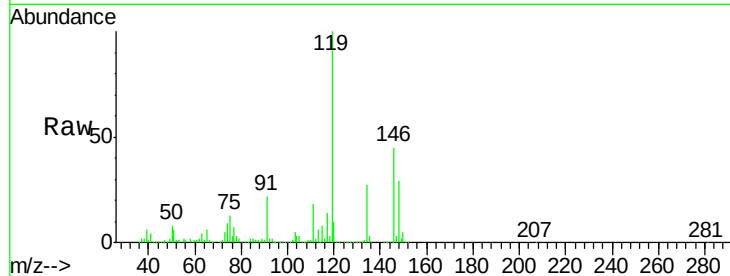
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1066670

Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.6	55.8
148	63.6	31.4	94.3

Manual Integrations
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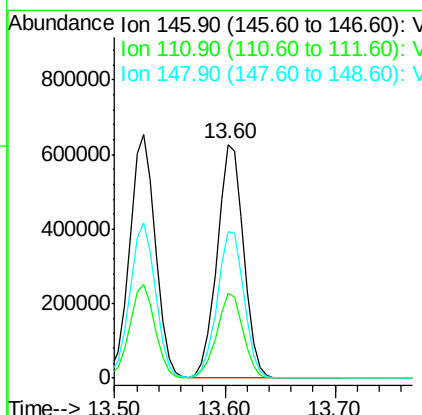
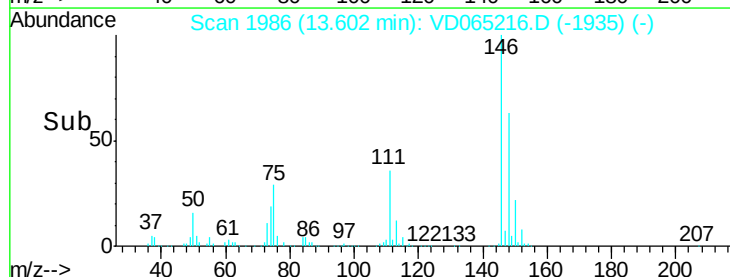
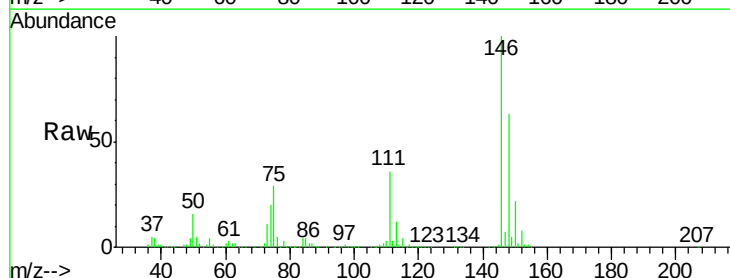
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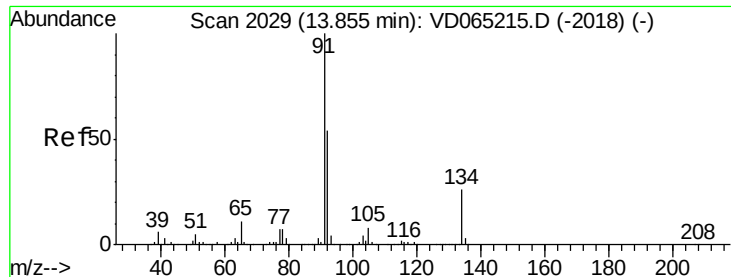


#88
 1,4-Dichlorobenzene
 Concen: 102.941 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065216.D
 Acq: 18 Feb 2020 12:26

Tgt Ion:146 Resp: 1044742

Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.4	55.2
148	63.3	32.1	96.5





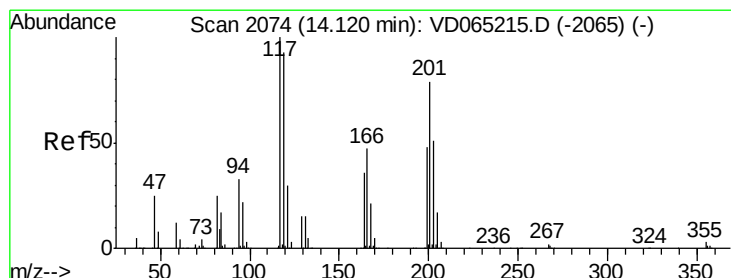
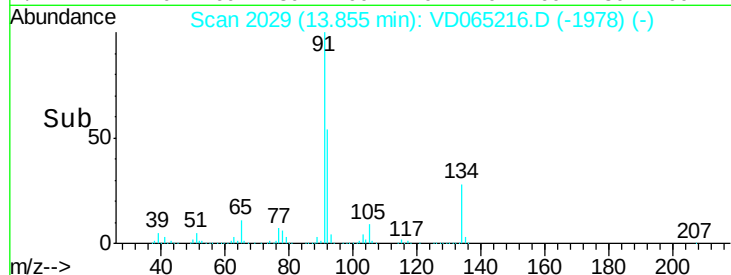
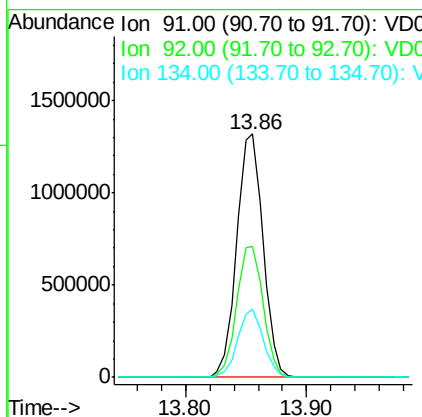
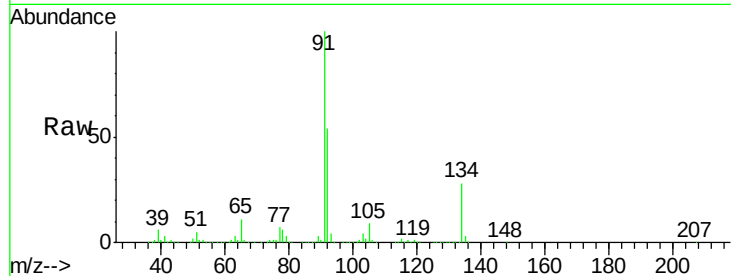
#89
n-Butylbenzene
Concen: 112.280 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2016034
Ion Ratio Lower Upper
91 100
92 54.3 27.0 80.8
134 27.2 13.5 40.4

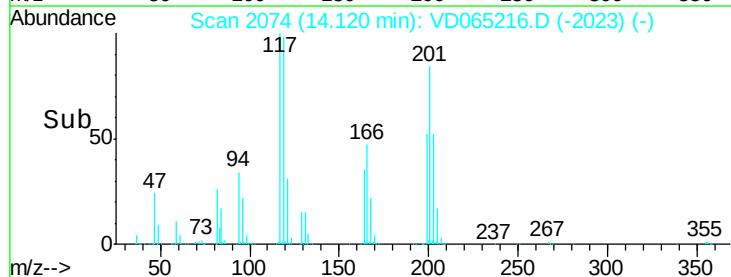
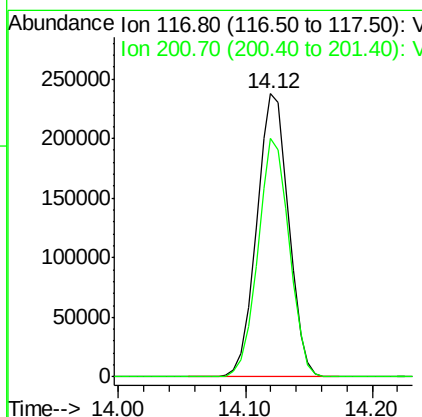
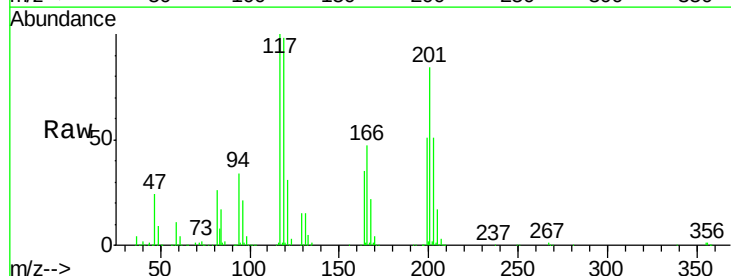
Manual Integrations
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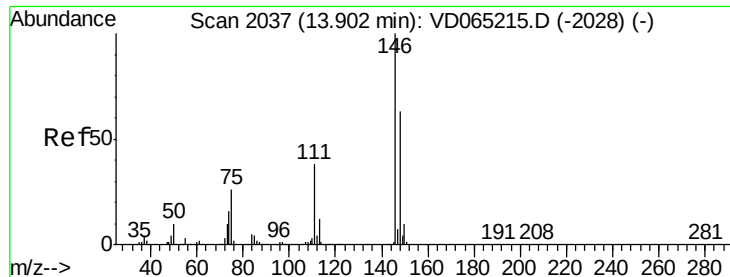
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#90
Hexachloroethane
Concen: 105.097 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Tgt Ion: 117 Resp: 415810
Ion Ratio Lower Upper
117 100
201 82.7 41.3 124.1





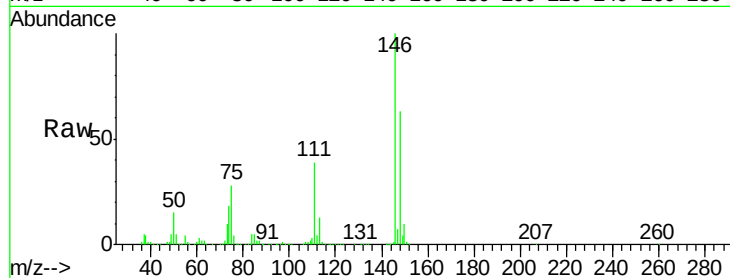
#91
 1,2-Dichlorobenzene
 Concen: 103.345 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065216.D
 Acq: 18 Feb 2020 12:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

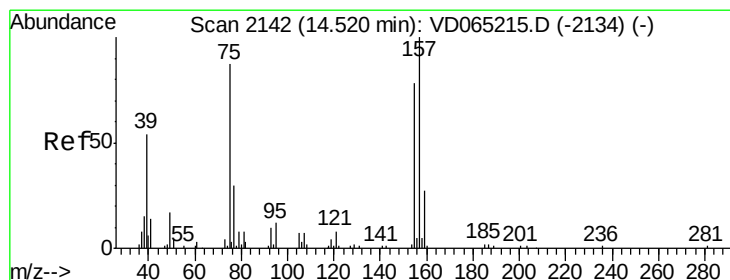
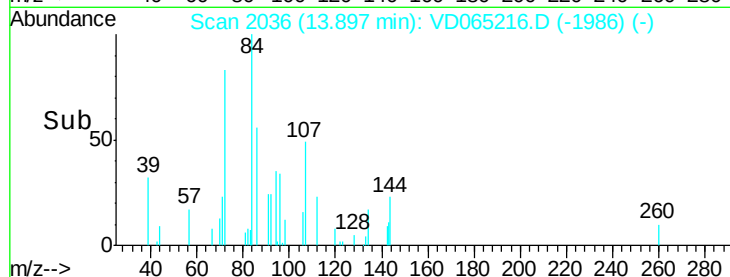
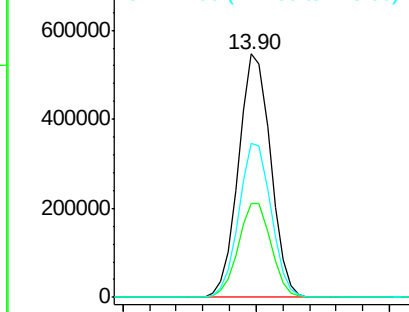
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	63.6	32.0	96.2

Manual Integrations
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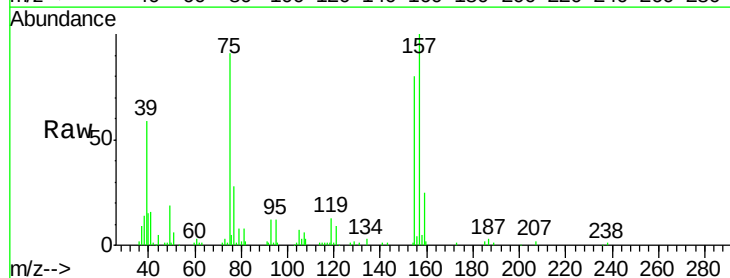


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

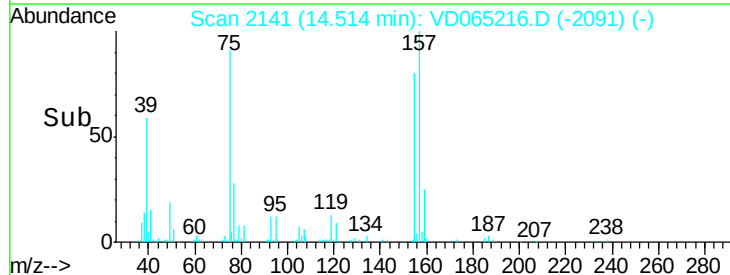
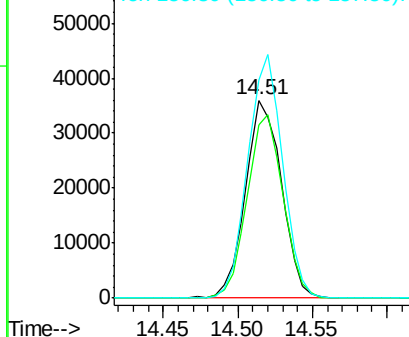


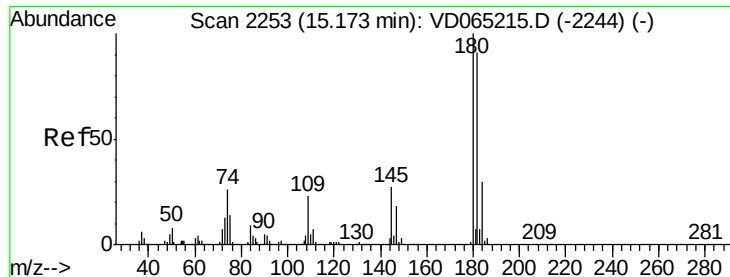
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 100.801 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065216.D
 Acq: 18 Feb 2020 12:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.8	42.3	126.9
157	118.9	56.7	170.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





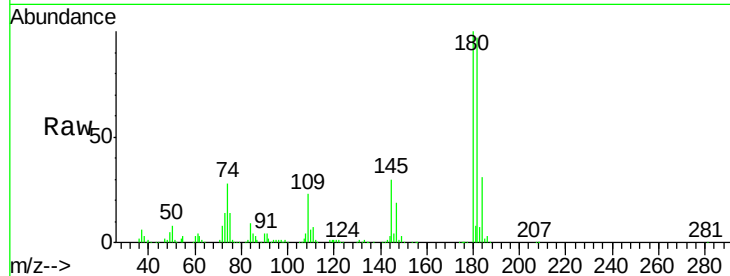
#93
 1,2,4-Trichlorobenzene
 Concen: 108.570 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065216.D
 Acq: 18 Feb 2020 12:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

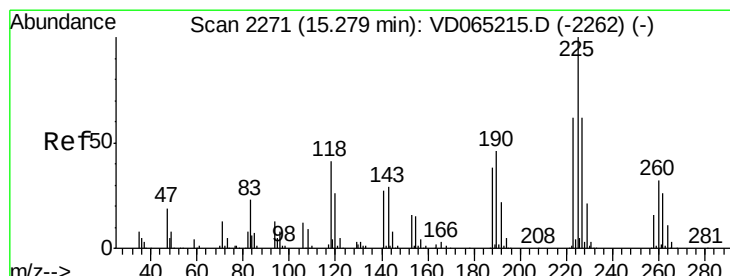
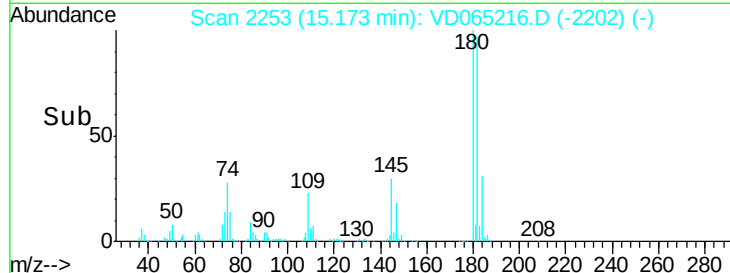
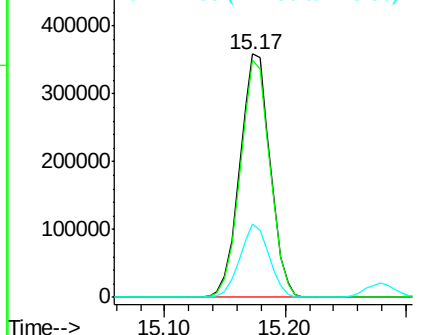
Tot Ion	Ratio	Resp	Lower	Upper
180	100	627042		
182	95.8	46.9	140.6	
145	29.1	13.9	41.7	

Manual Integrations
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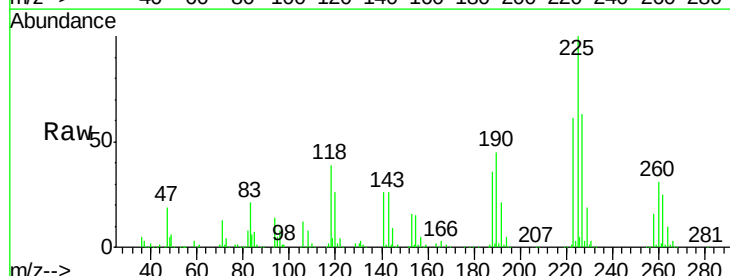


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

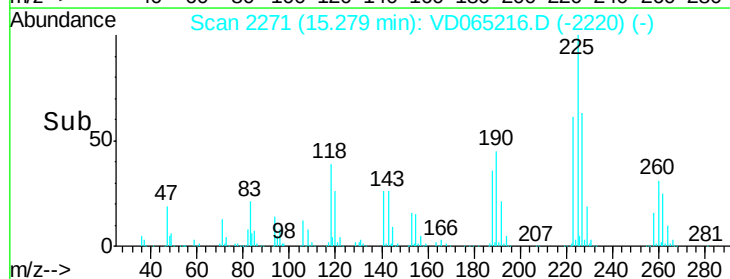
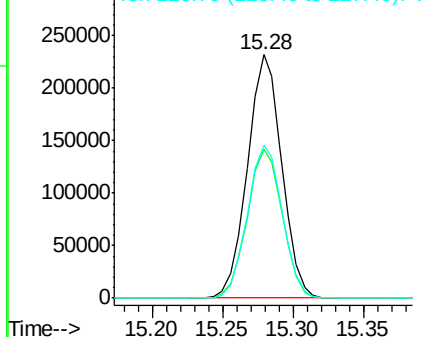


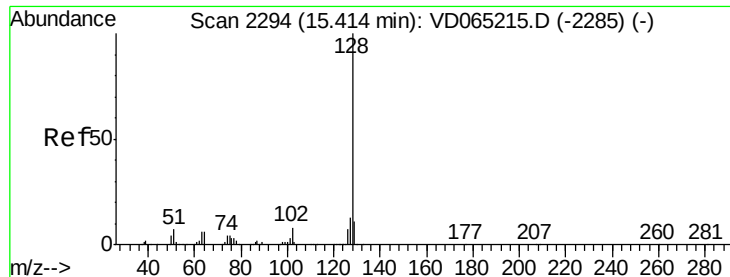
#94
 Hexachlorobutadiene
 Concen: 106.655 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065216.D
 Acq: 18 Feb 2020 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	395141		
223	62.5	31.4	94.2	
227	64.2	31.7	95.1	



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





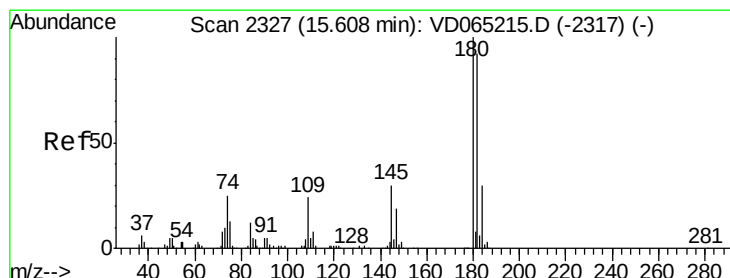
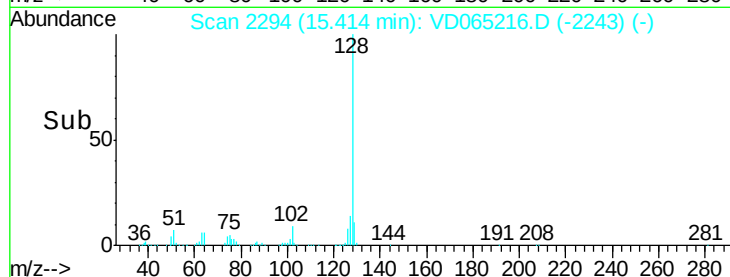
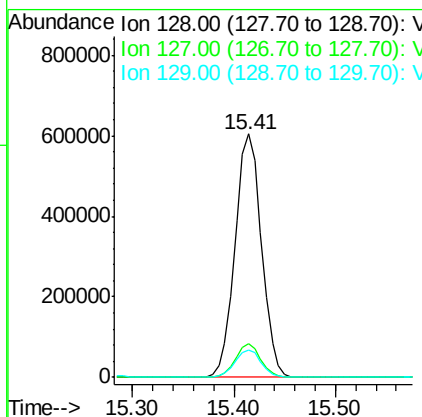
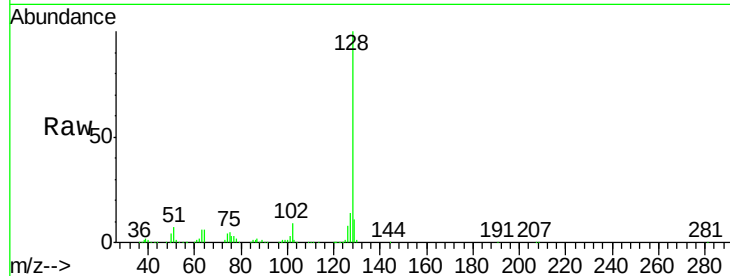
#95
Naphthalene
Concen: 116.321 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.2	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 108.288 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065216.D
Acq: 18 Feb 2020 12:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	46.9	140.6
145	30.1	15.4	46.1

