

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065213.D
 Acq On : 18 Feb 2020 11:02
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 1:44:03 PM

Quant Time: Feb 19 03:14:01 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	7.98	168	426532	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	647000	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	585158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	289769	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	41687	10.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.72%	
35) Dibromofluoromethane	7.92	113	42369	10.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.48%	
50) Toluene-d8	10.34	98	151585	10.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.10%	
62) 4-Bromofluorobenzene	12.64	95	48390	10.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	37114	10.374	ug/l	97
3) Chloromethane	2.21	50	50890	11.176	ug/l	92
4) Vinyl Chloride	2.35	62	50495	10.905	ug/l	95
5) Bromomethane	2.77	94	31970	11.420	ug/l	97
6) Chloroethane	2.92	64	31391	11.107	ug/l	99
7) Trichlorofluoromethane	3.27	101	74800	11.284	ug/l	99
8) Diethyl Ether	3.70	74	22647	11.318	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	46995	11.226	ug/l	99
10) Methyl Iodide	4.29	142	40325	9.277	ug/l	97
11) Tert butyl alcohol	5.24	59	13250	57.787	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	44084	11.148	ug/l	97
13) Acrolein	3.93	56	24004	70.322	ug/l	95
14) Allyl chloride	4.71	41	69532	10.827	ug/l	99
15) Acrylonitrile	5.43	53	48220	54.429	ug/l	100
16) Acetone	4.17	43	47648	50.799	ug/l	97
17) Carbon Disulfide	4.40	76	147336	11.113	ug/l	99
18) Methyl Acetate	4.73	43	22259	10.551	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	84063	10.194	ug/l	95
20) Methylene Chloride	4.96	84	57602	12.098	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	50004	11.123	ug/l	100
22) Diisopropyl ether	6.37	45	134560	10.869	ug/l	99
23) Vinyl Acetate	6.31	43	342971	50.252	ug/l	99
24) 1,1-Dichloroethane	6.27	63	86045	11.205	ug/l	98
25) 2-Butanone	7.23	43	65076	54.836	ug/l	99
26) 2,2-Dichloropropane	7.21	77	75515	11.334	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	52525	11.030	ug/l	98
28) Bromochloromethane	7.56	49	29789	10.457	ug/l	98
29) Tetrahydrofuran	7.57	42	36321	52.235	ug/l	99
30) Chloroform	7.71	83	87673	11.333	ug/l	100
31) Cyclohexane	7.98	56	82600	10.948	ug/l #	85
32) 1,1,1-Trichloroethane	7.90	97	77822	11.243	ug/l	99
36) 1,1-Dichloropropene	8.11	75	67595	10.737	ug/l	97
37) Ethyl Acetate	7.30	43	27276	10.364	ug/l	100
38) Carbon Tetrachloride	8.10	117	69342	10.820	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	74956	10.128	ug/l	96
40) Benzene	8.36	78	193718	10.902	ug/l	99
41) Methacrylonitrile	7.53	41	17070	11.234	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	54615	11.180	ug/l	100
43) Isopropyl Acetate	8.46	43	50879	10.631	ug/l	97
44) Trichloroethene	9.11	130	54442	11.053	ug/l	99
45) 1,2-Dichloropropane	9.40	63	49582	11.222	ug/l	99
46) Dibromomethane	9.48	93	25319	11.137	ug/l	99
47) Bromodichloromethane	9.67	83	65733	10.972	ug/l #	97
48) Methyl methacrylate	9.46	41	21579	9.755	ug/l	92
49) 1,4-Dioxane	9.47	88	5581	209.313	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	128917	53.036	ug/l	98
52) Toluene	10.41	92	118433	10.768	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	59608	10.734	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	70025	10.442	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	35380	11.057	ug/l	98
56) Ethyl methacrylate	10.67	69	35364	9.575	ug/l	98
57) 1,3-Dichloropropane	10.95	76	58196	10.686	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	54338	46.667	ug/l	99
59) 2-Hexanone	10.99	43	87428	50.245	ug/l	95
60) Dibromochloromethane	11.14	129	46035	11.240	ug/l	97
61) 1,2-Dibromoethane	11.26	107	32699	10.793	ug/l	98
64) Tetrachloroethene	10.88	164	44365	10.690	ug/l	87
65) Chlorobenzene	11.67	112	129359	11.016	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	48308	11.024	ug/l	99
67) Ethyl Benzene	11.75	91	217486	10.575	ug/l	97
68) m/p-Xylenes	11.86	106	169055	21.485	ug/l	99
69) o-Xylene	12.18	106	71194	10.213	ug/l	100
70) Styrene	12.20	104	127821	10.328	ug/l	99
71) Bromoform	12.37	173	26667	10.967	ug/l #	99
73) Isopropylbenzene	12.48	105	195324	10.182	ug/l	100
74) N-amyl acetate	12.30	43	42077	9.871	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	38265	11.052	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	25106m	6.046	ug/l	
77) Bromobenzene	12.77	156	50671	10.637	ug/l	98
78) n-propylbenzene	12.83	91	238240	10.334	ug/l	99
79) 2-Chlorotoluene	12.91	91	137134	10.618	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	163293	10.335	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	11622	10.178	ug/l	98
82) 4-Chlorotoluene	13.01	91	149167	10.879	ug/l	98
83) tert-Butylbenzene	13.23	119	133218	10.060	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	163355	10.329	ug/l	100
85) sec-Butylbenzene	13.41	105	198440	10.399	ug/l	100
86) p-Isopropyltoluene	13.53	119	176321	10.104	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	99470	10.801	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	97369	10.713	ug/l	93
89) n-Butylbenzene	13.85	91	162590	10.111	ug/l	97
90) Hexachloroethane	14.12	117	37410	10.558	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	86129	10.892	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	5575	10.449	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	54072	10.454	ug/l	98
94) Hexachlorobutadiene	15.28	225	36764	11.080	ug/l	98
95) Naphthalene	15.41	128	79032	9.399	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	46380	10.267	ug/l	99

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

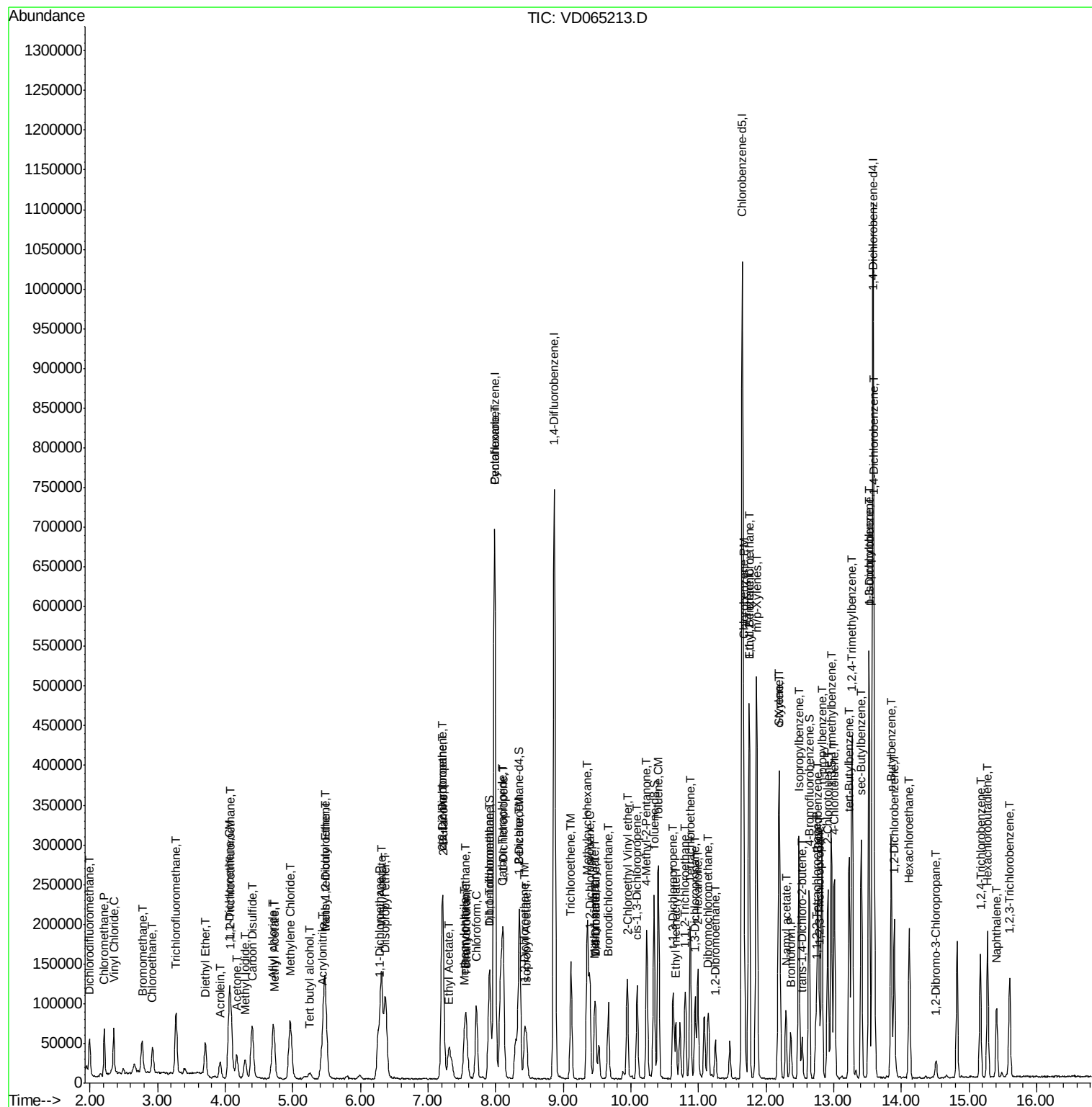
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021820\
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Operator : VA/SY
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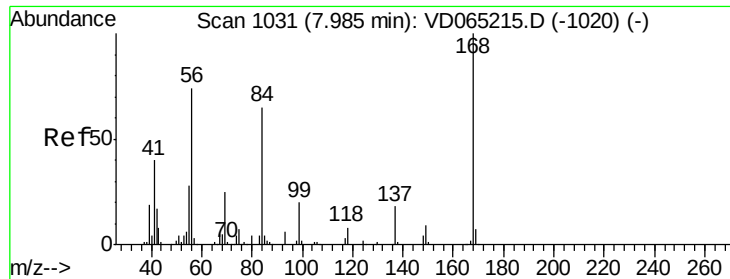
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 426532

Ion Ratio Lower Upper

168 100

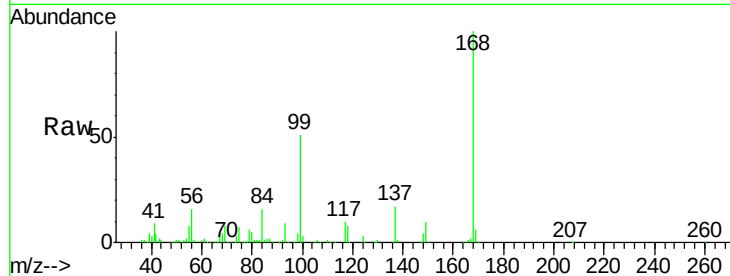
99 50.7 41.4 62.2

Manual Integrations

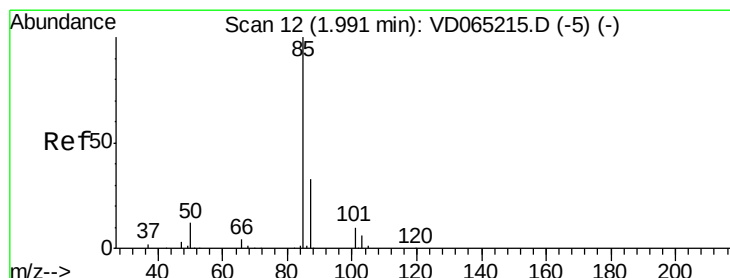
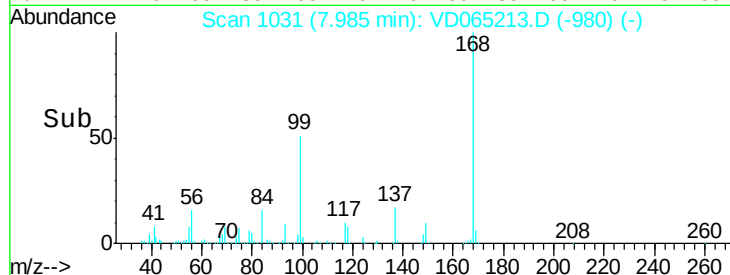
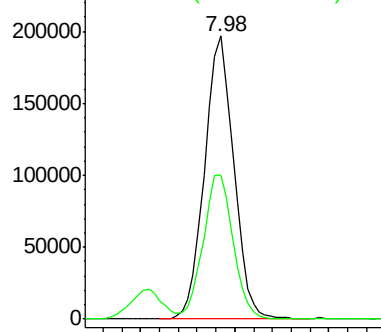
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Abundance Ion 167.90 (167.60 to 168.60): V



#2

Dichlorodifluoromethane

Concen: 10.374 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065213.D

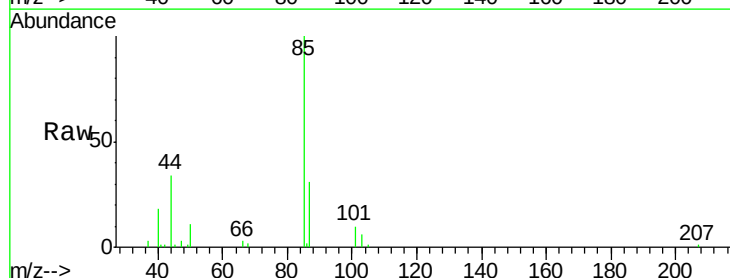
Acq: 18 Feb 2020 11:02

Tgt Ion: 85 Resp: 37114

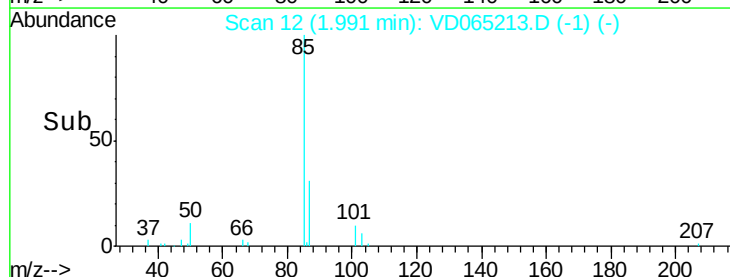
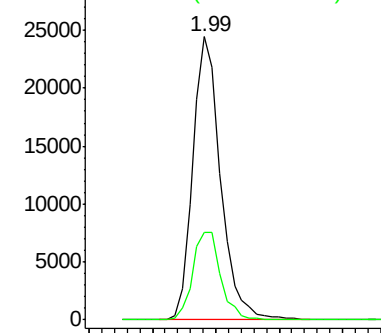
Ion Ratio Lower Upper

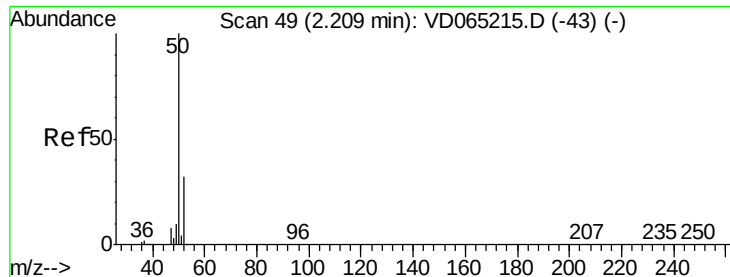
85 100

87 30.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC





#3

Chloromethane

Concen: 11.176 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 50890

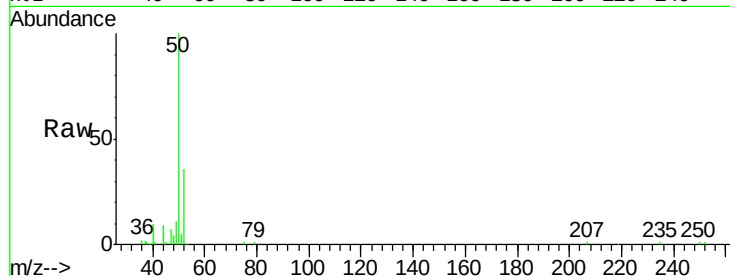
Ion Ratio Lower Upper

50 100

52 36.2 25.5 38.3

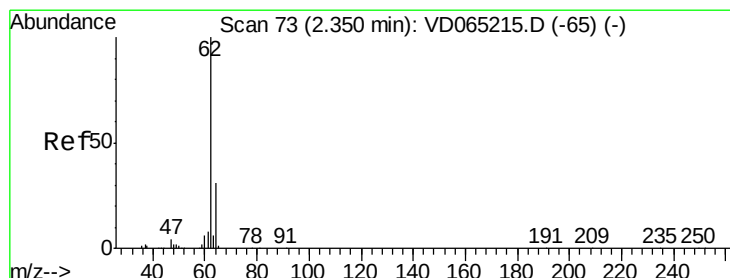
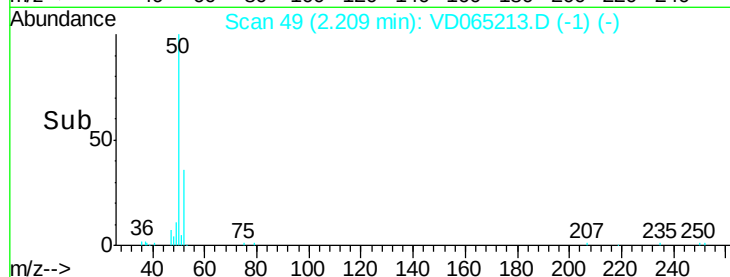
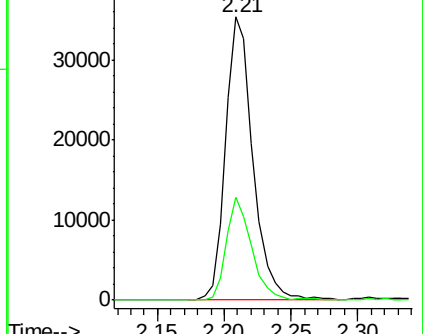
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 10.905 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065213.D

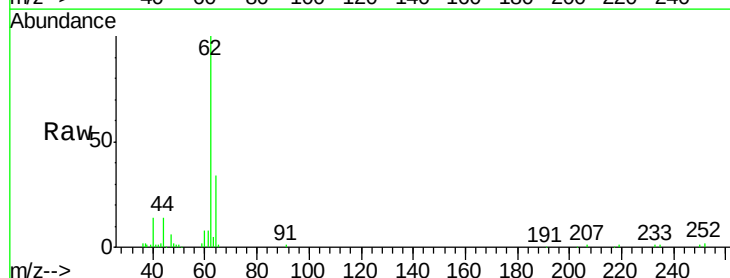
Acq: 18 Feb 2020 11:02

Tgt Ion: 62 Resp: 50495

Ion Ratio Lower Upper

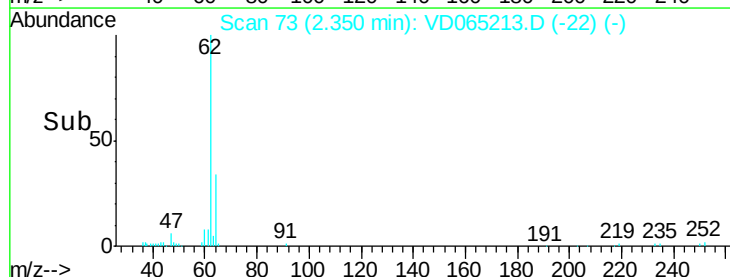
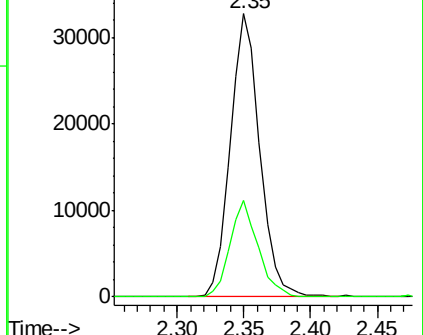
62 100

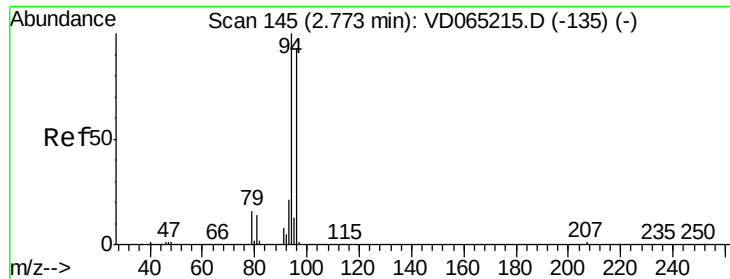
64 33.9 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 11.420 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 31970

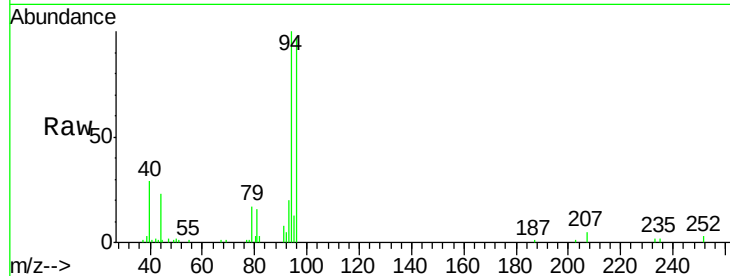
Ion Ratio Lower Upper

94 100

96 95.9 74.2 111.4

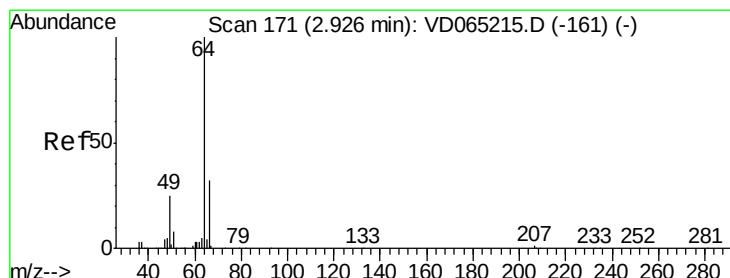
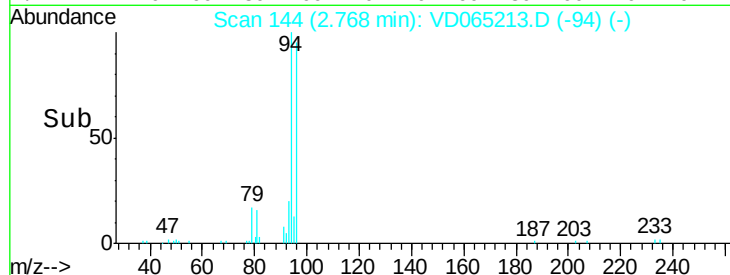
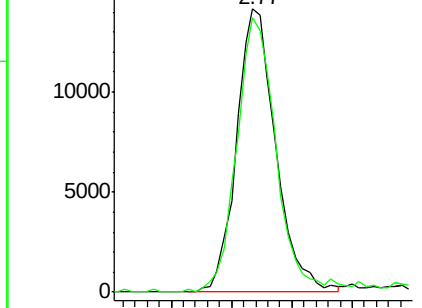
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 11.107 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065213.D

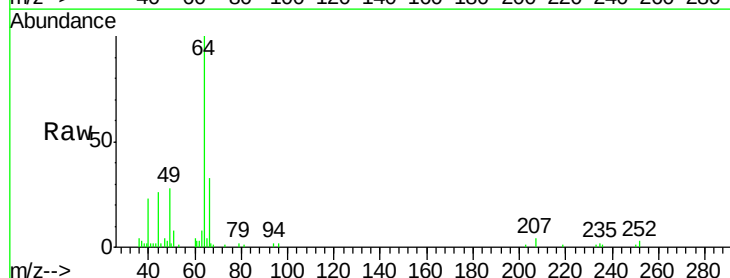
Acq: 18 Feb 2020 11:02

Tgt Ion: 64 Resp: 31391

Ion Ratio Lower Upper

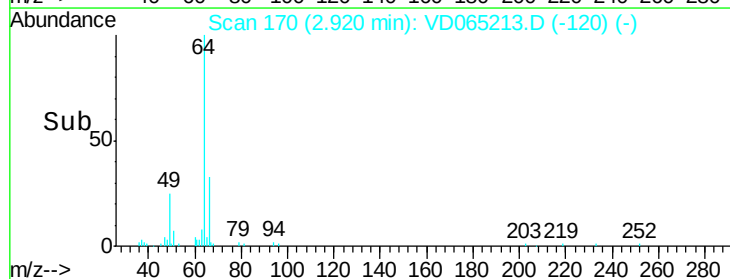
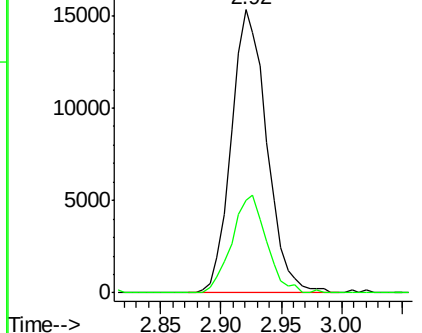
64 100

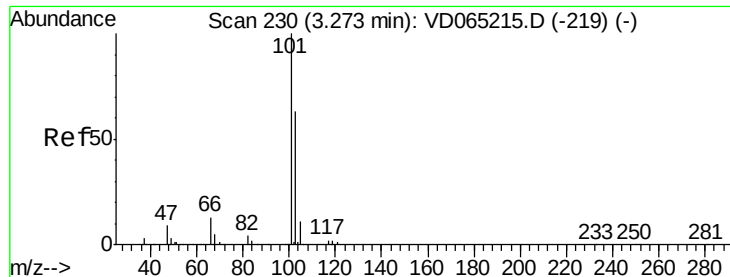
66 32.5 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

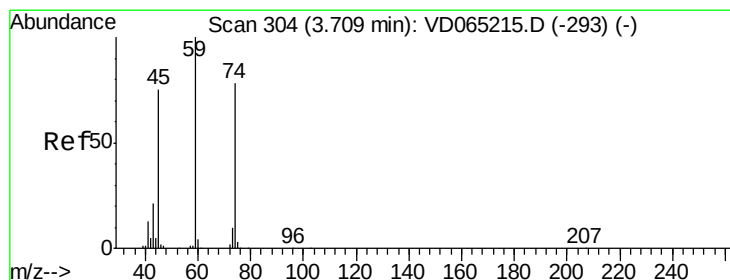
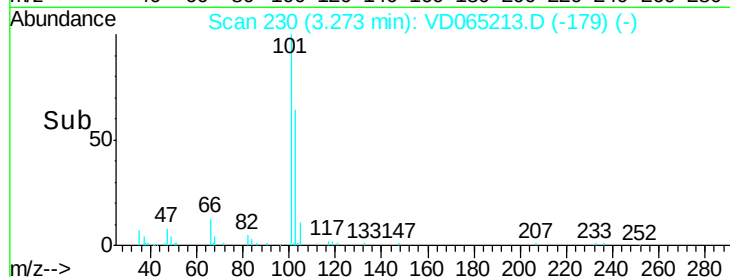
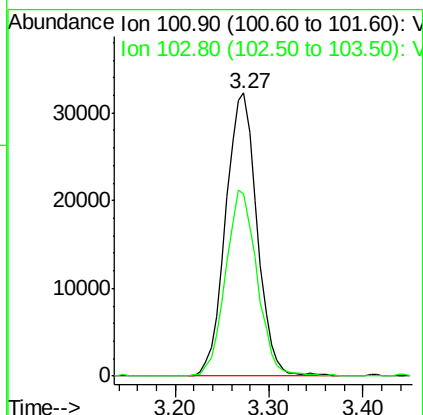
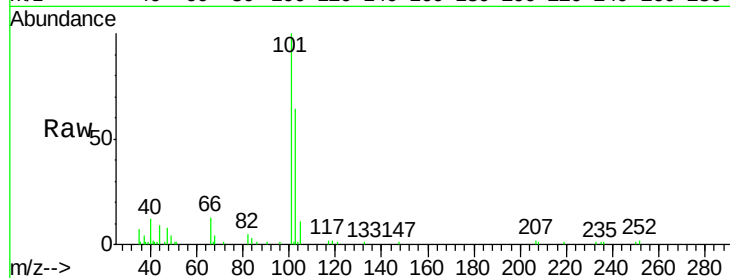
Trichlorofluoromethane
Concen: 11.284 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

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ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	50.7	76.1

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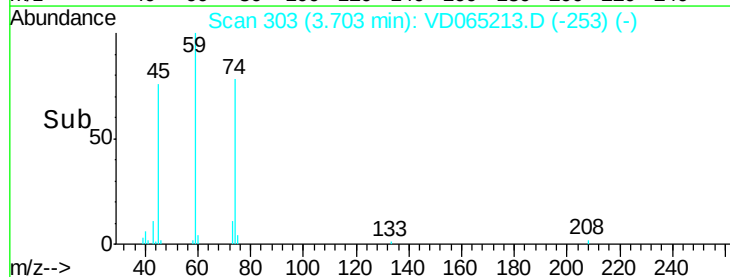
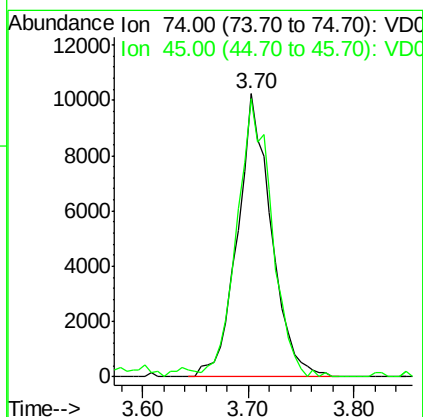
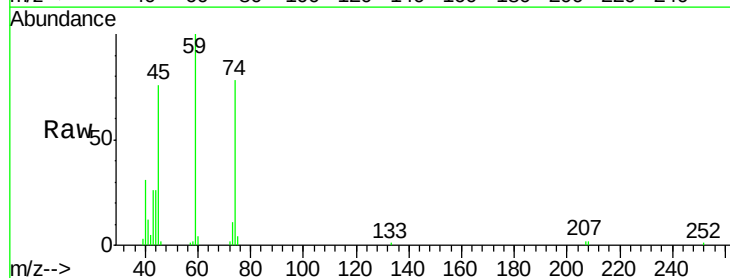
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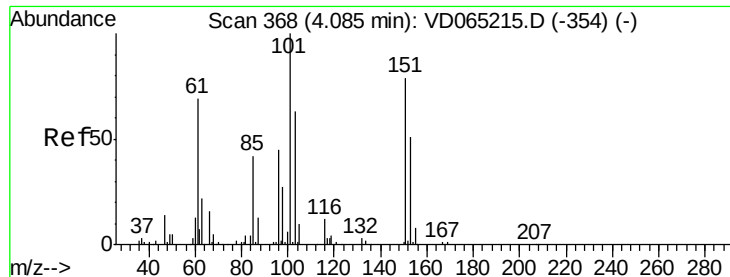


#8

Diethyl Ether
Concen: 11.318 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.3	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.226 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Instrument :

MSVOA_D

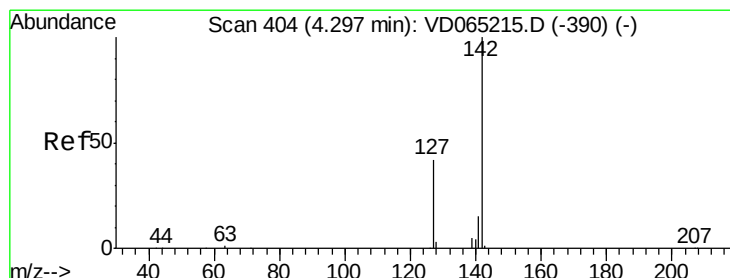
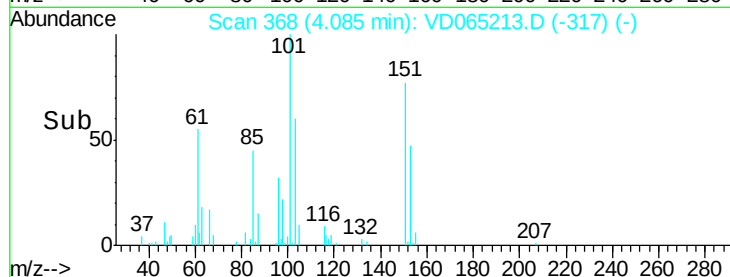
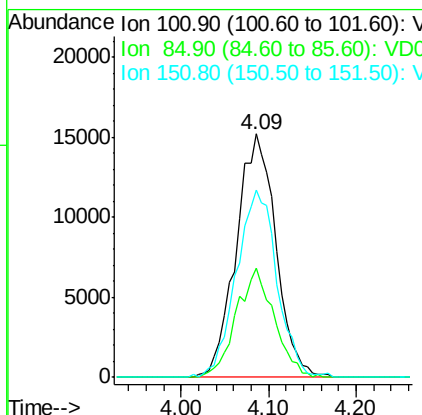
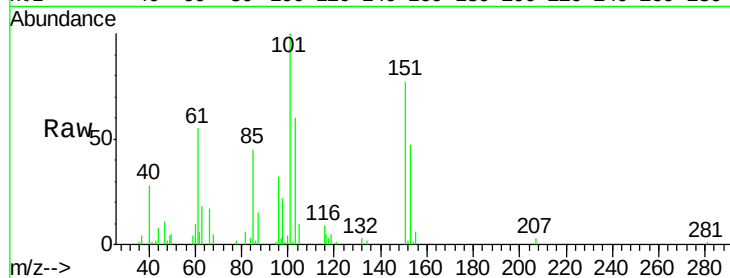
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	46995
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.2	51.2
151	78.8	63.5	95.3

Manual Integrations
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#10

Methyl Iodide

Concen: 9.277 ug/l

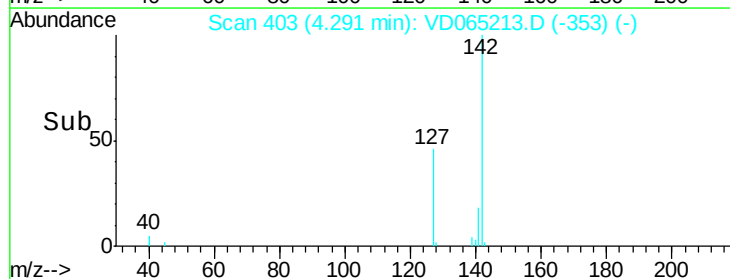
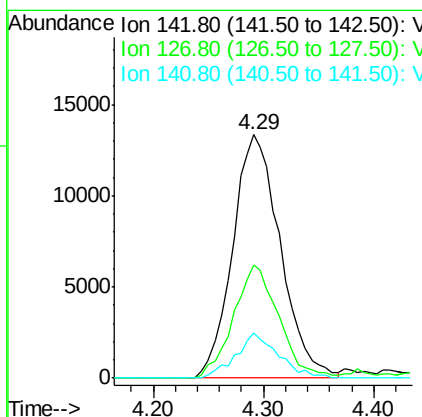
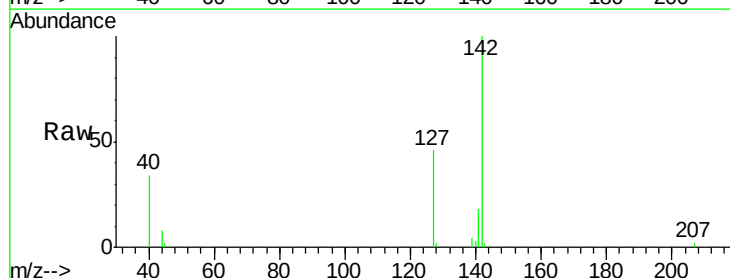
RT: 4.29 min Scan# 403

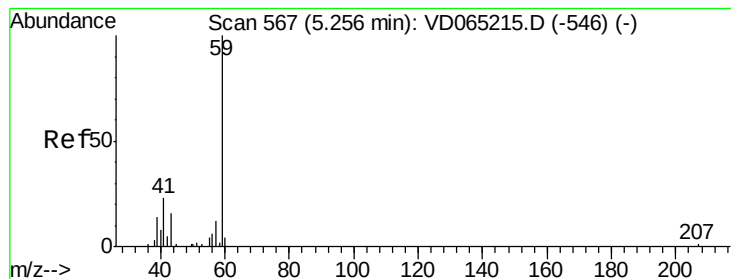
Delta R.T. -0.01 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Tgt Ion:	142	Resp:	40325
Ion Ratio	Lower	Upper	
142	100		
127	44.1	33.8	50.8
141	16.5	11.7	17.5





#11

Tert butyl alcohol

Concen: 57.787 ug/l

RT: 5.24 min Scan# 564

Delta R.T. -0.02 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 59 Resp: 13250

Ion Ratio Lower Upper

59 100

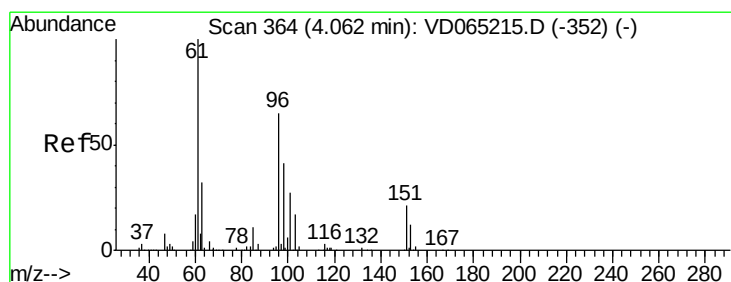
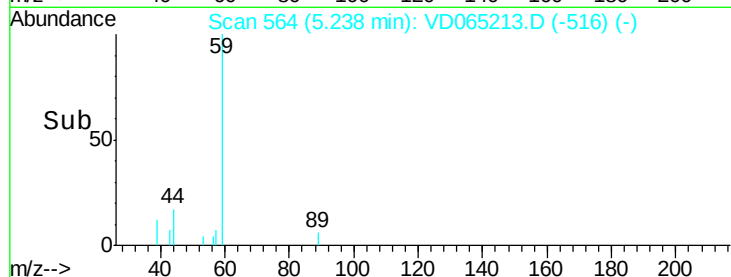
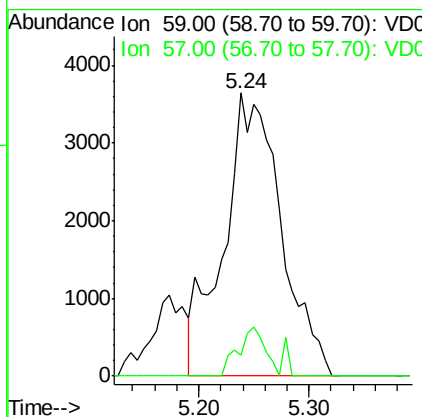
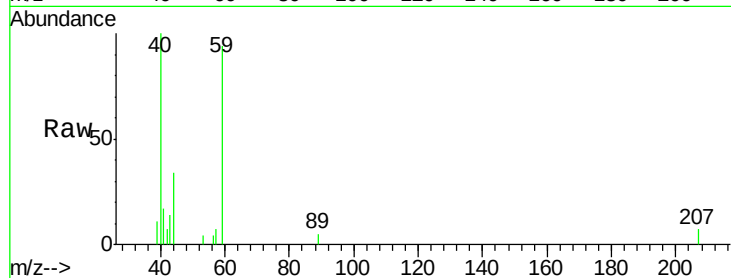
57 8.1 8.4 12.6#

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 11.148 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

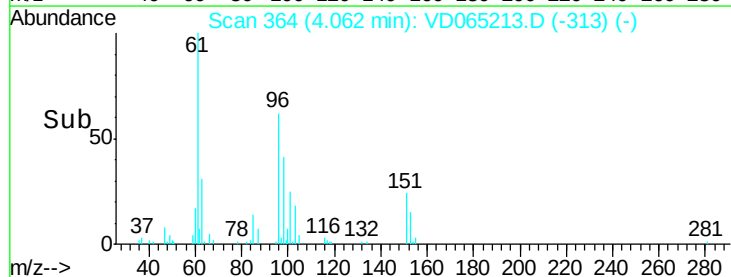
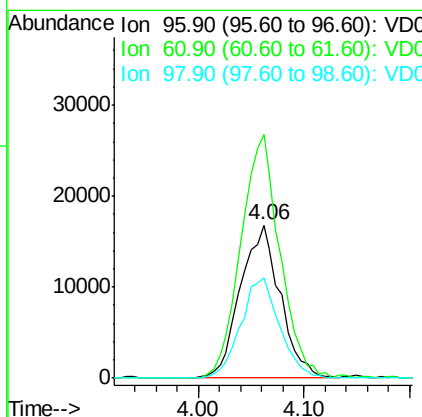
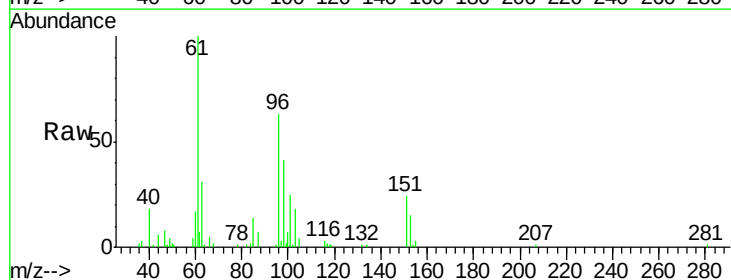
Tgt Ion: 96 Resp: 44084

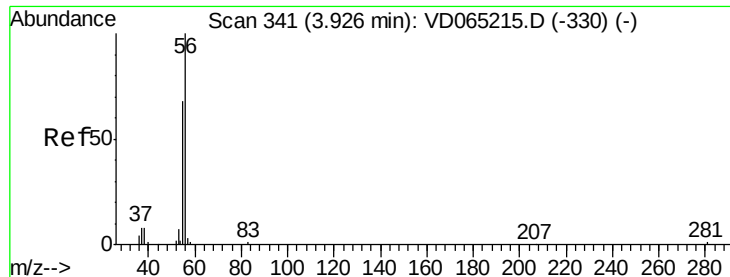
Ion Ratio Lower Upper

96 100

61 158.9 123.3 184.9

98 65.7 51.0 76.4





#13

Acrolein

Concen: 70.322 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 24004

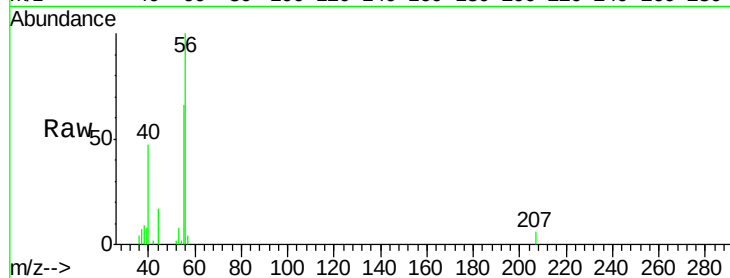
Ion Ratio Lower Upper

56 100

55 66.6 56.6 85.0

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

10000

8000

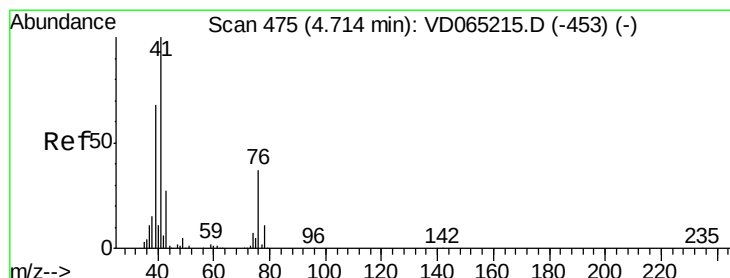
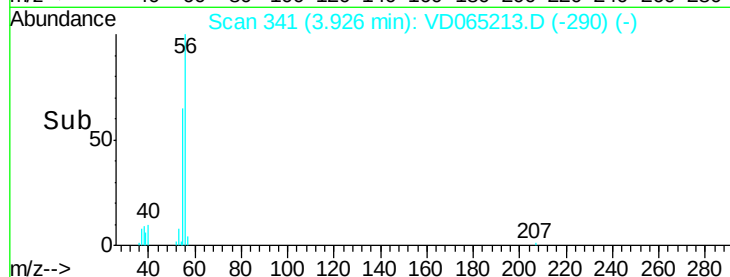
6000

4000

2000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 10.827 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

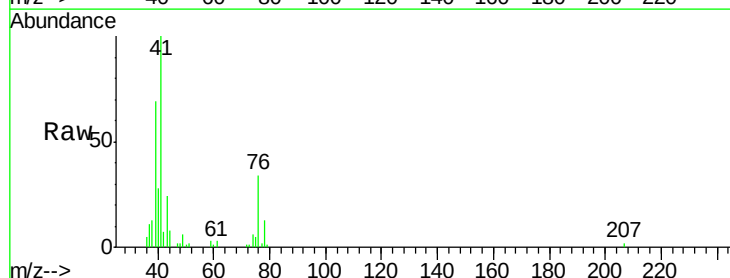
Tgt Ion: 41 Resp: 69532

Ion Ratio Lower Upper

41 100

39 66.7 53.8 80.6

76 34.0 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

25000

20000

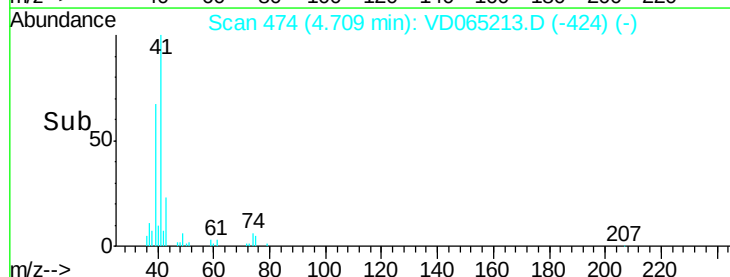
15000

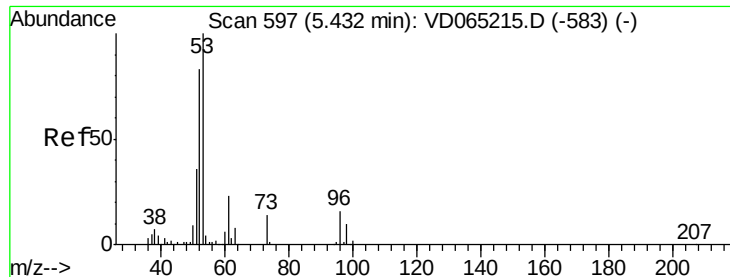
10000

5000

0

Time--> 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 54.429 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Instrument :

MSVOA_D

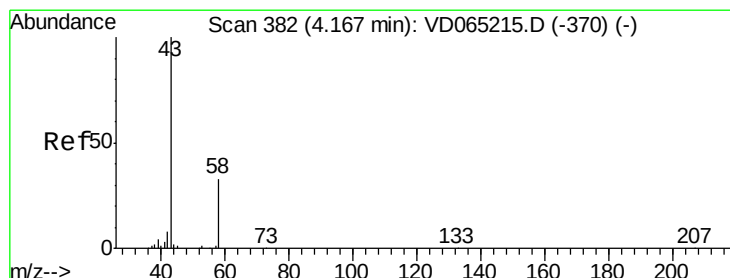
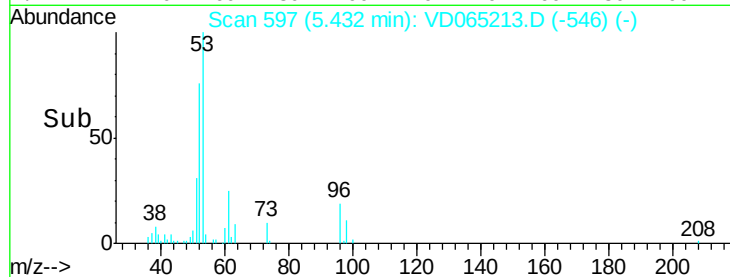
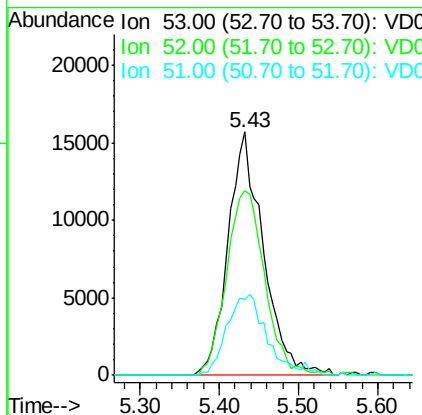
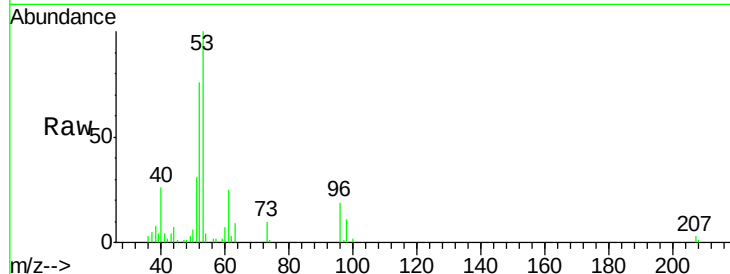
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	48220
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.4	98.2
51	36.9	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 50.799 ug/l

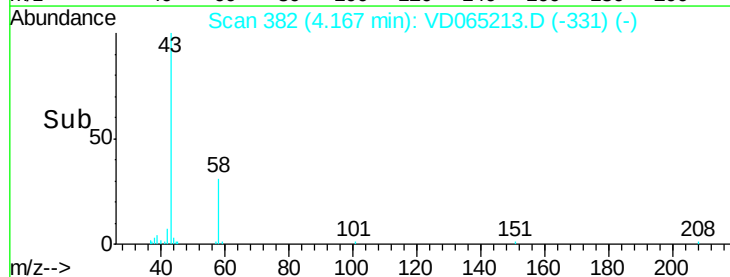
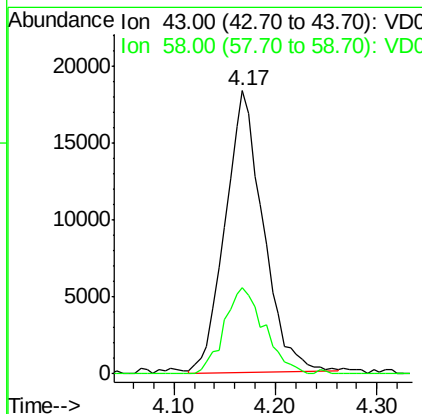
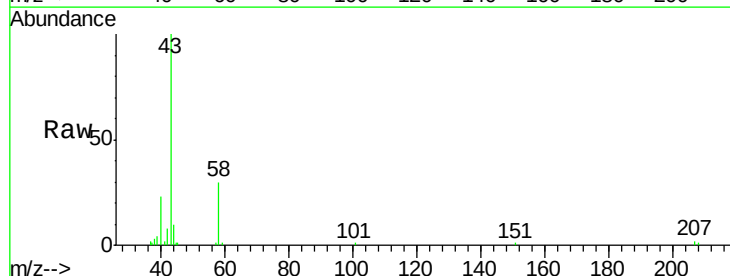
RT: 4.17 min Scan# 382

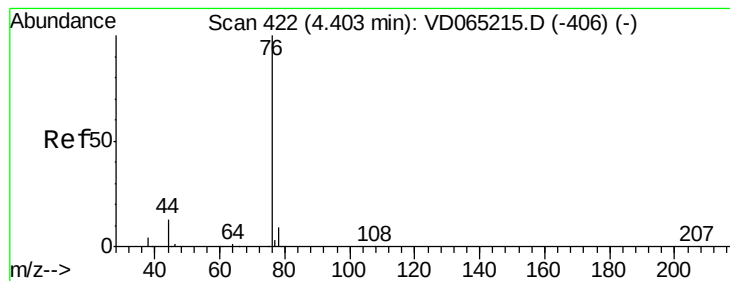
Delta R.T. 0.00 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Tgt Ion:	43	Resp:	47648
Ion	Ratio	Lower	Upper
43	100		
58	30.8	26.2	39.2





#17

Carbon Disulfide

Concen: 11.113 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 147336

Ion Ratio Lower Upper

76 100

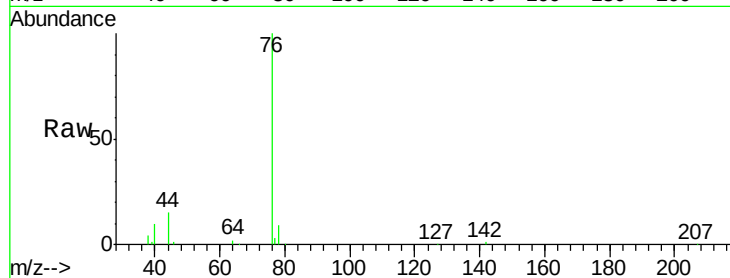
78 9.3 7.0 10.6

Manual Integrations

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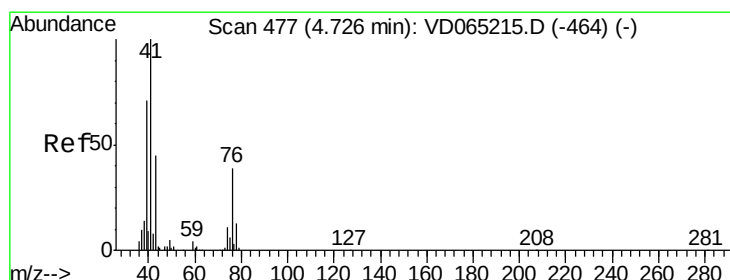
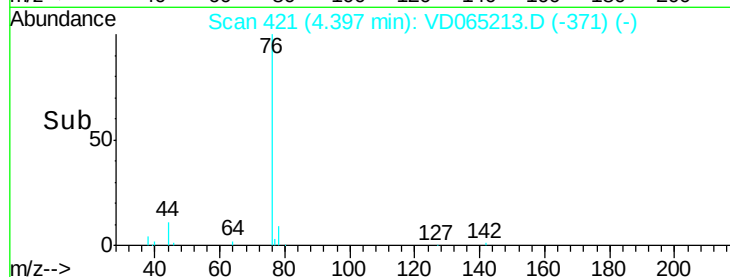
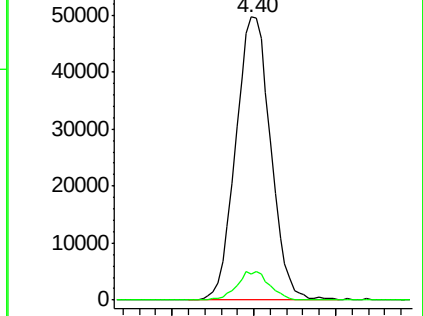
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 10.551 ug/l

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD065213.D

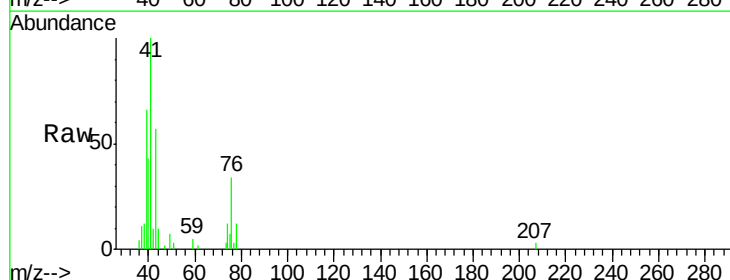
Acq: 18 Feb 2020 11:02

Tgt Ion: 43 Resp: 22259

Ion Ratio Lower Upper

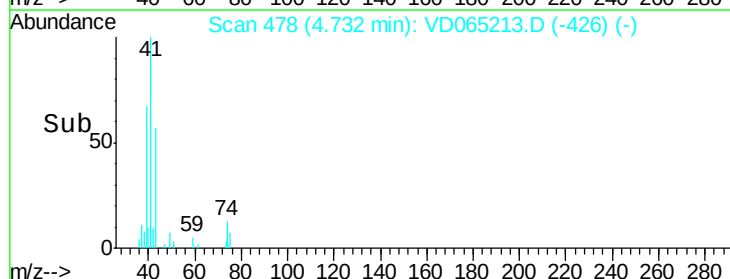
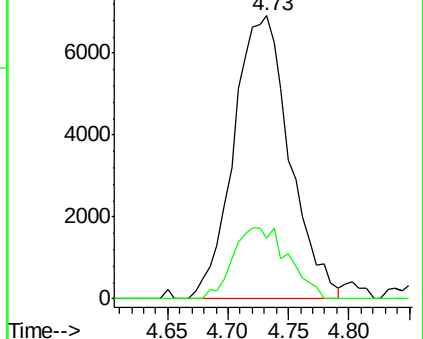
43 100

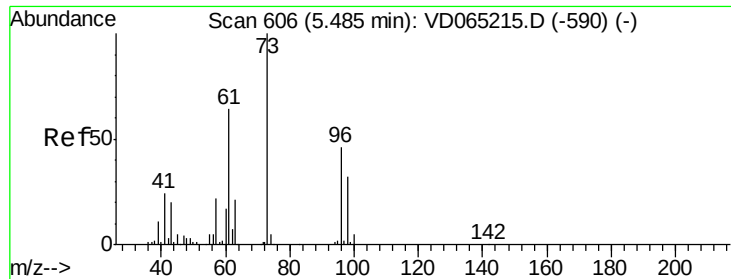
74 24.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





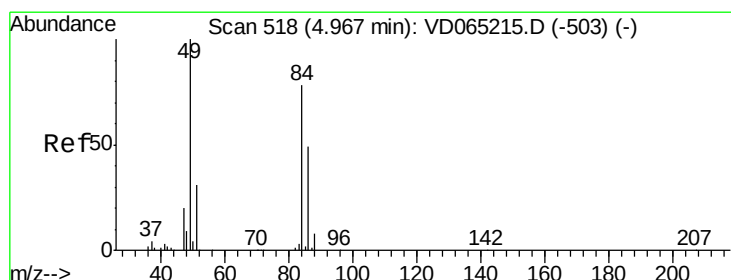
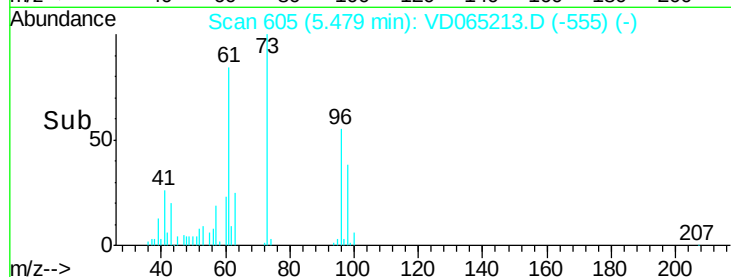
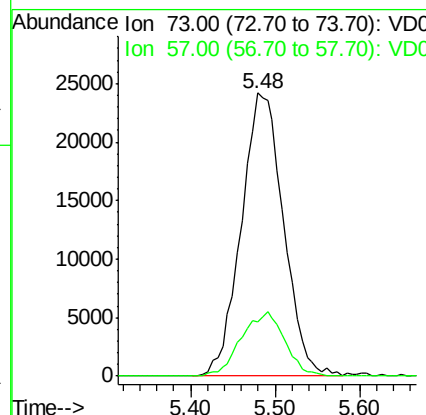
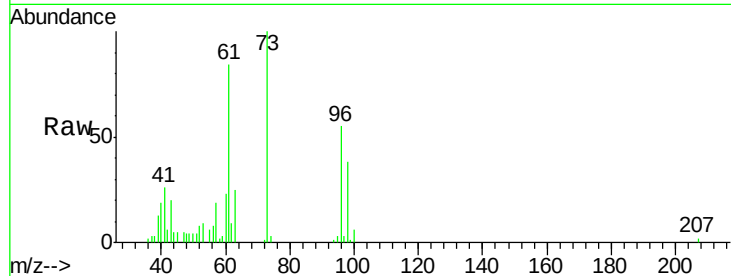
#19
Methyl tert-butyl Ether
Concen: 10.194 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 84063
Ion Ratio Lower Upper
73 100
57 19.0 17.3 25.9

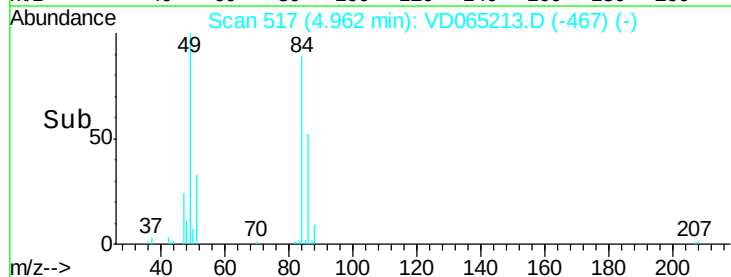
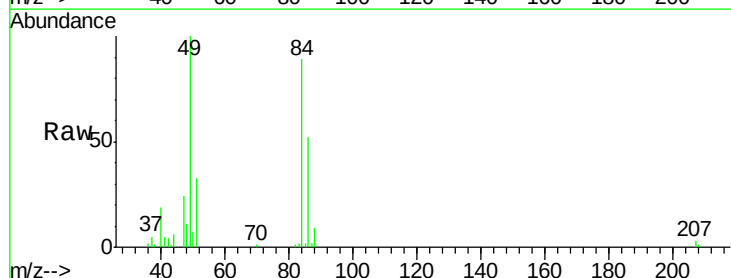
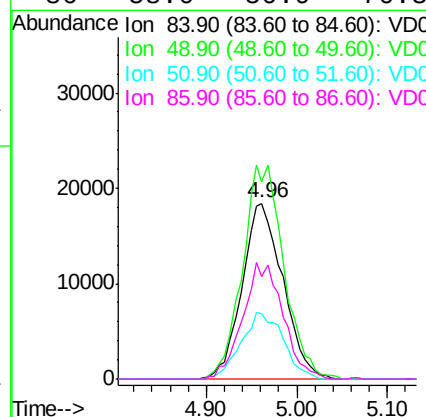
Manual Integrations
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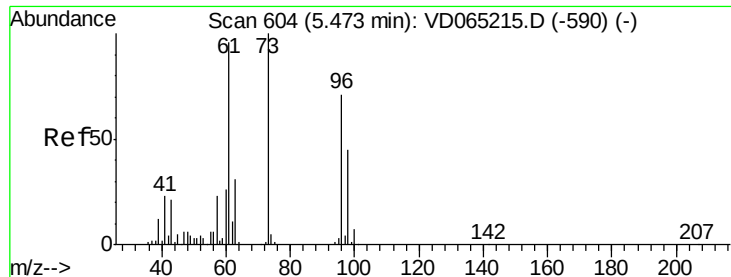
MMDadoda
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#20
Methylene Chloride
Concen: 12.098 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Tgt Ion: 84 Resp: 57602
Ion Ratio Lower Upper
84 100
49 112.4 103.1 154.7
51 37.5 31.7 47.5
86 58.0 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 11.123 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Instrument :

MSVOA_D

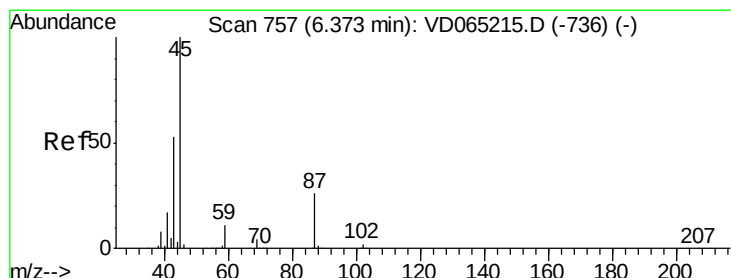
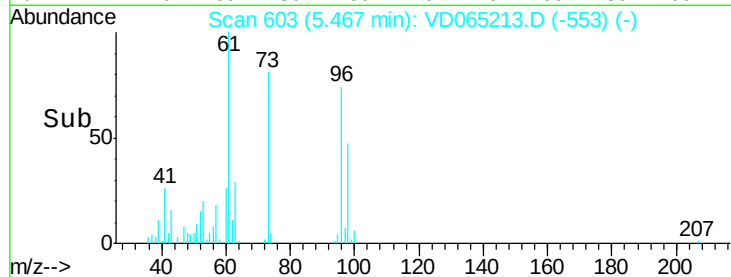
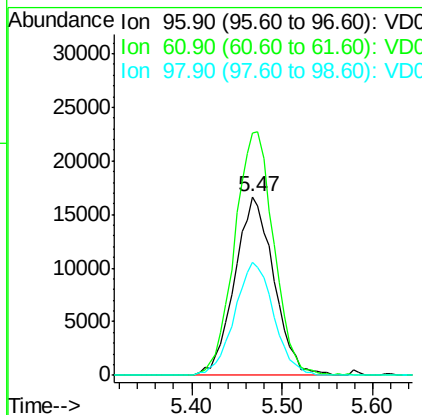
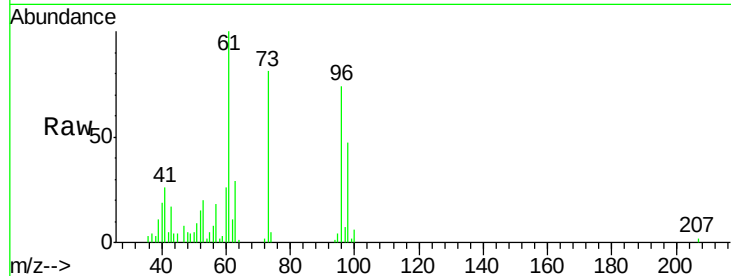
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	50004
Ion	Ratio	Lower	Upper
96	100		
61	135.6	108.3	162.5
98	63.5	50.7	76.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 10.869 ug/l

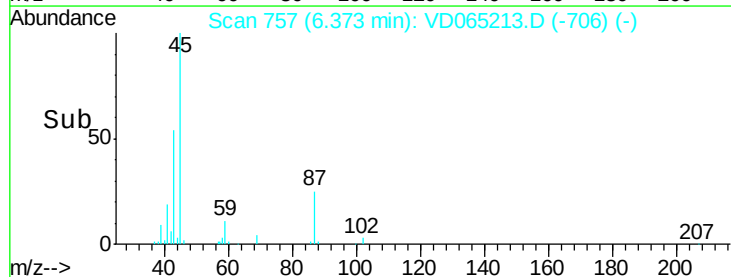
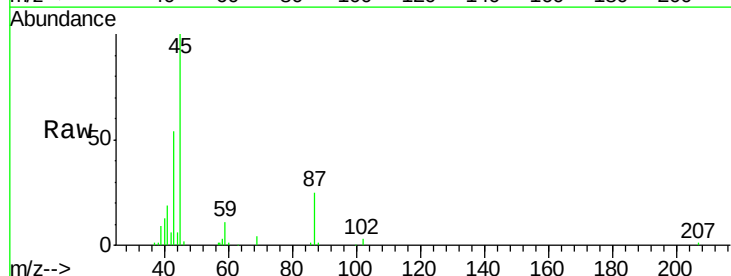
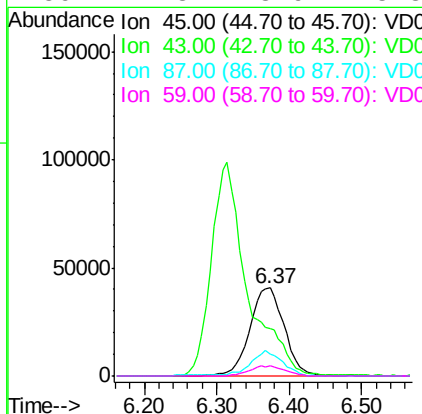
RT: 6.37 min Scan# 757

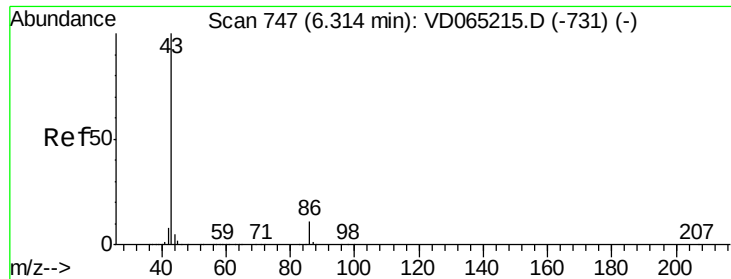
Delta R.T. 0.00 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Tgt Ion:	45	Resp:	134560
Ion	Ratio	Lower	Upper
45	100		
43	53.0	42.6	64.0
87	24.6	21.2	31.8
59	11.3	8.9	13.3





#23

Vinyl Acetate

Concen: 50.252 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 342971

Ion Ratio Lower Upper

43 100

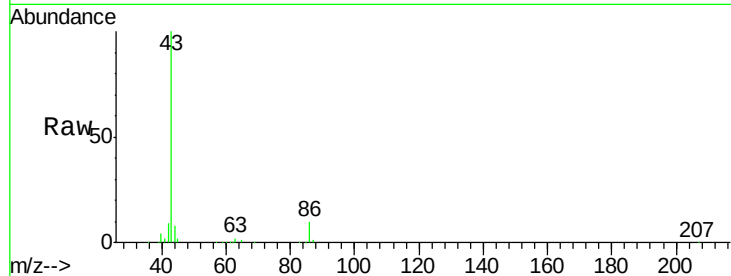
86 10.4 8.6 12.8

Manual Integrations

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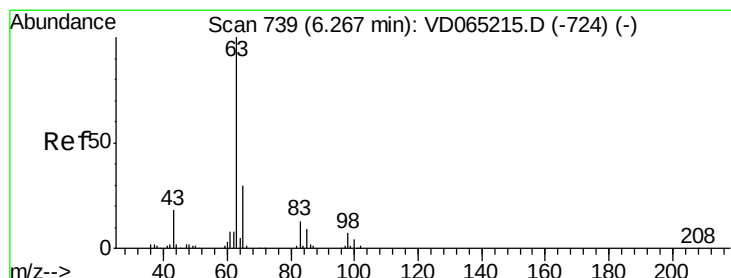
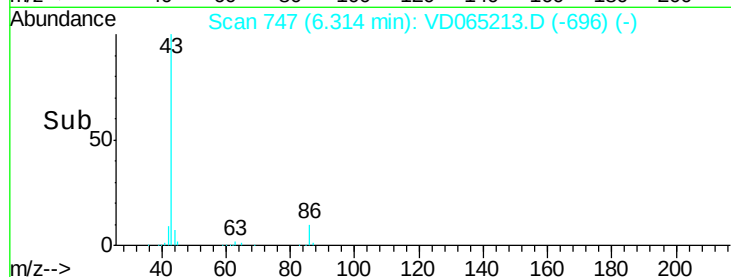
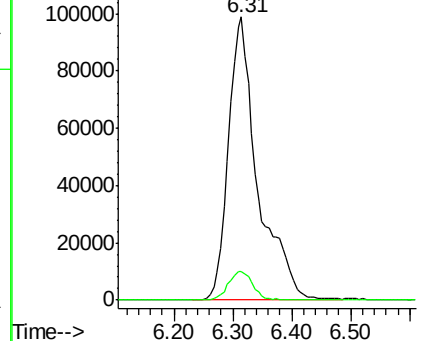
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 11.205 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

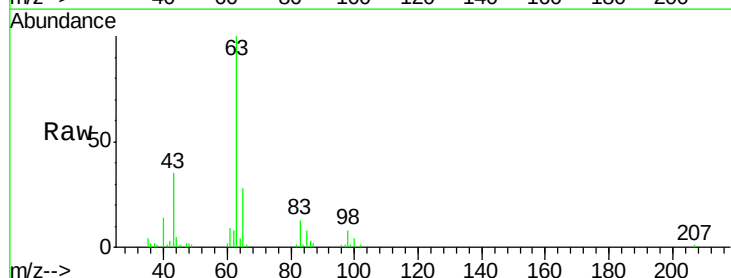
Tgt Ion: 63 Resp: 86045

Ion Ratio Lower Upper

63 100

98 7.7 3.4 10.1

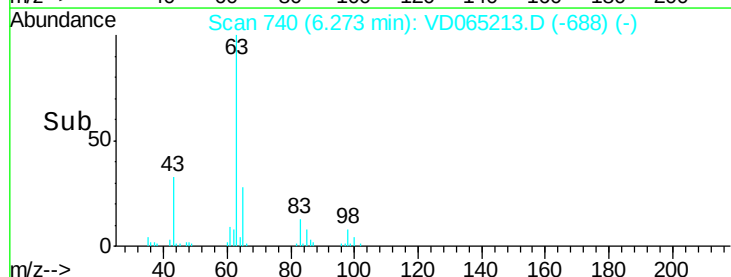
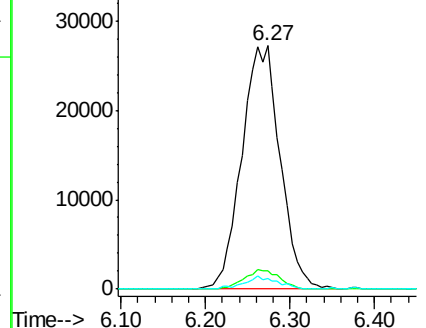
100 4.4 2.3 6.8

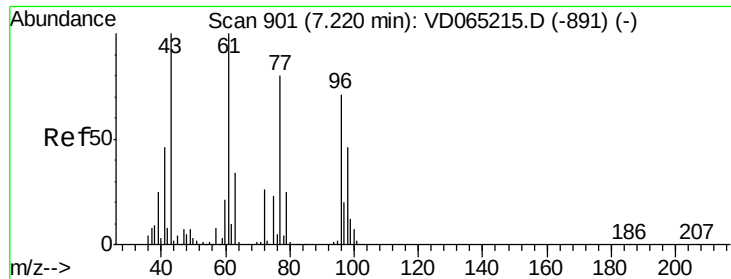


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 54.836 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 65076

Ion Ratio Lower Upper

43 100

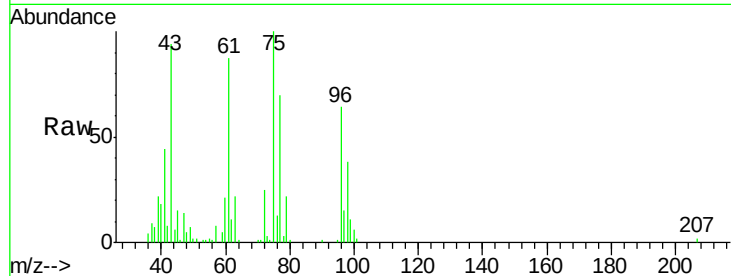
72 26.7 20.9 31.3

Manual Integrations

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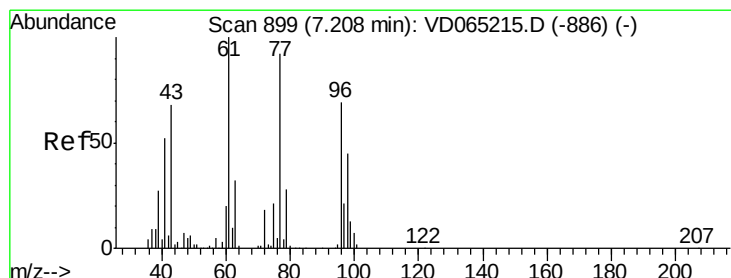
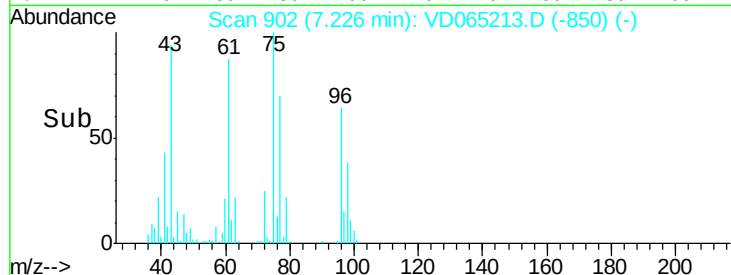
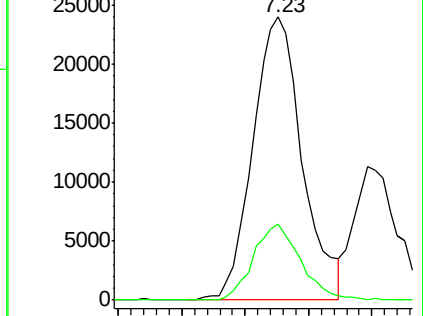
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 11.334 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065213.D

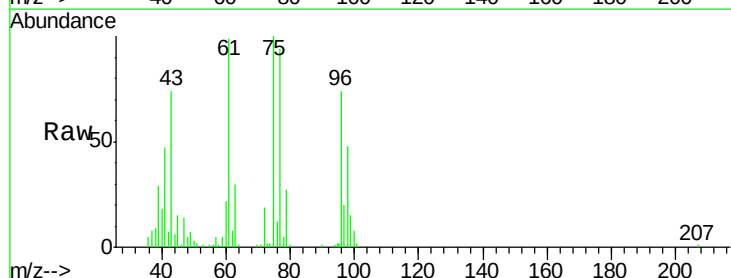
Acq: 18 Feb 2020 11:02

Tgt Ion: 77 Resp: 75515

Ion Ratio Lower Upper

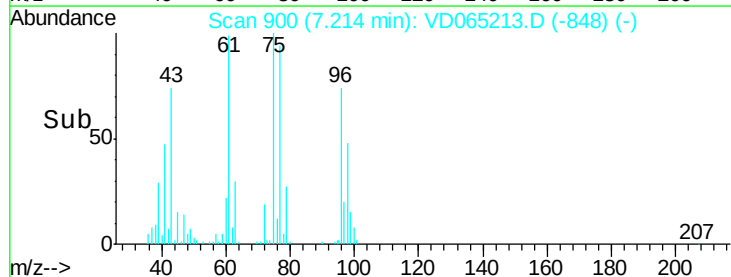
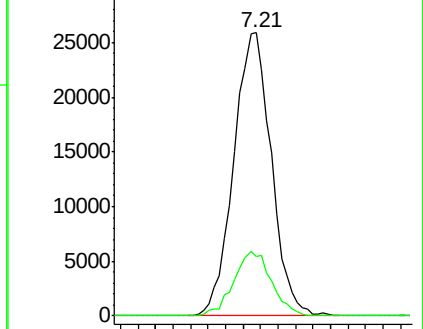
77 100

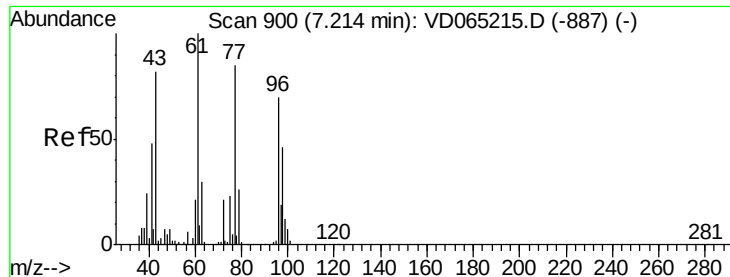
97 22.8 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

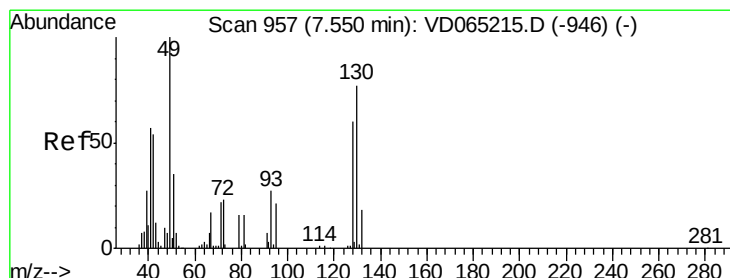
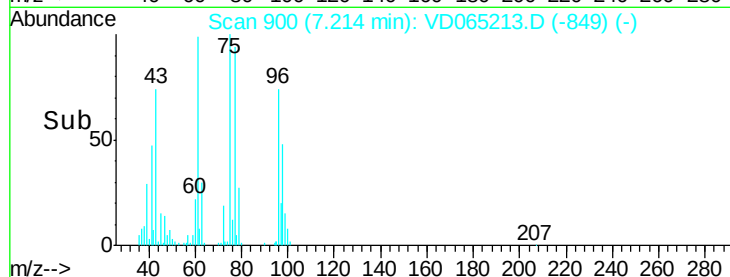
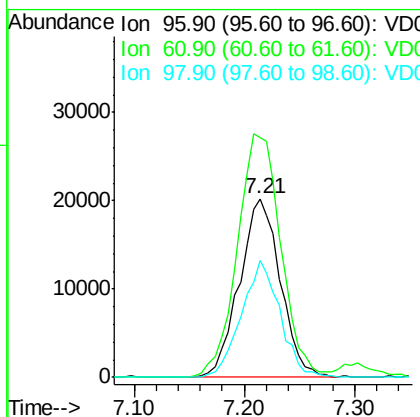
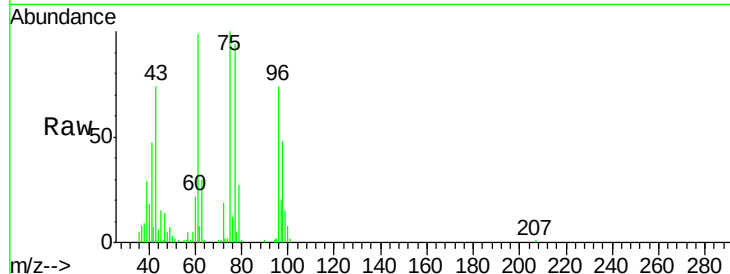
cis-1,2-Dichloroethene
Concen: 11.030 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	144.9	0.0	286.0	
98	61.8	0.0	127.8	

Manual Integrations
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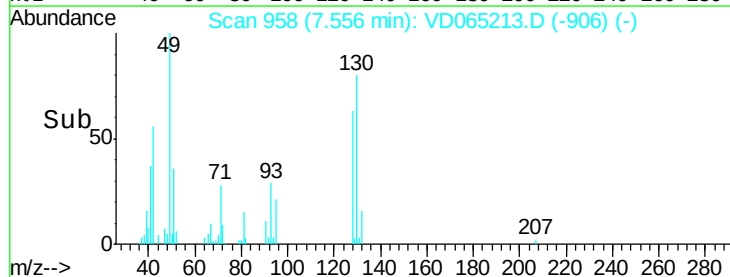
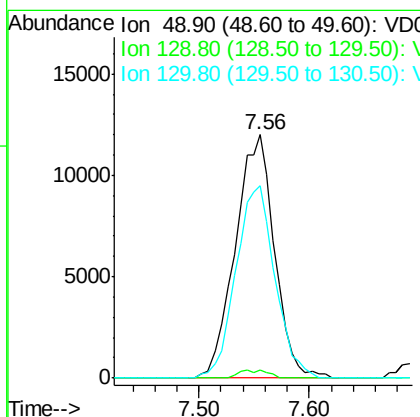
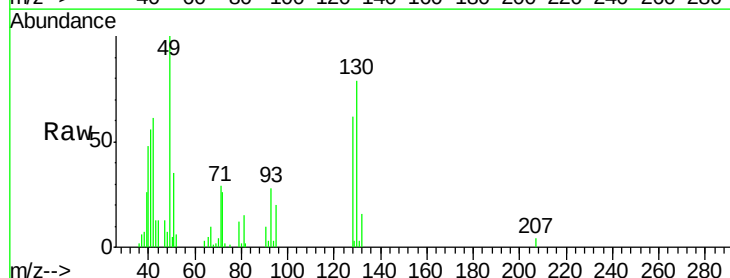
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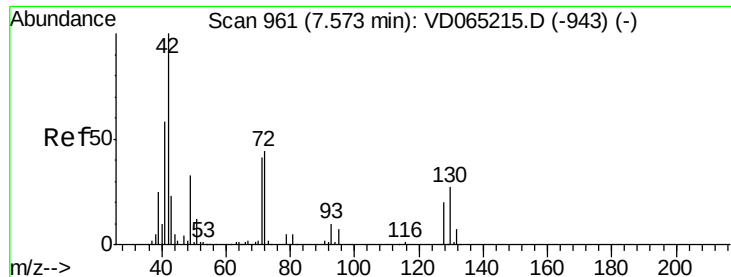


#28

Bromochloromethane
Concen: 10.457 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.4	0.0	4.6	
130	79.1	64.7	97.1	





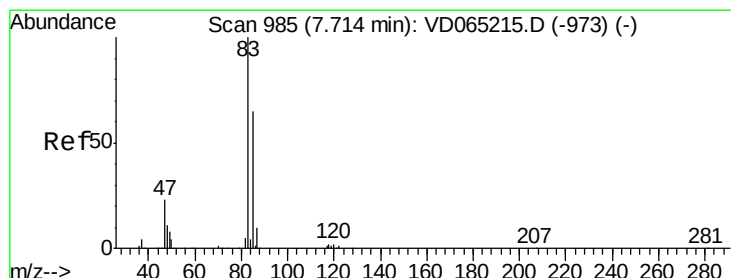
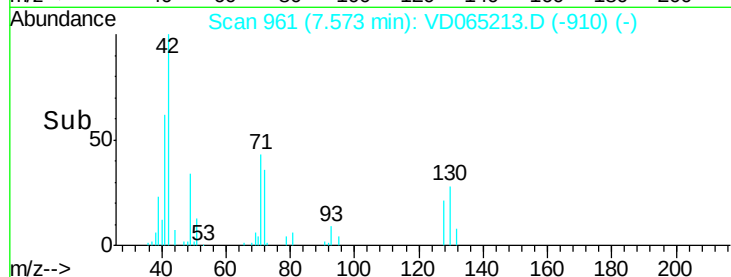
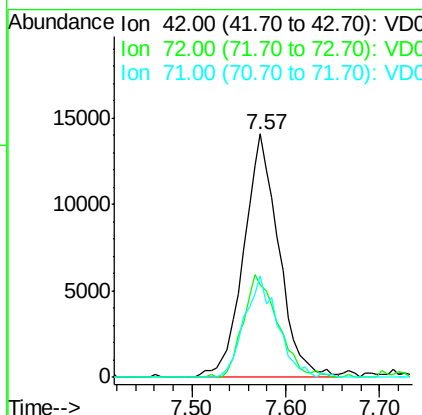
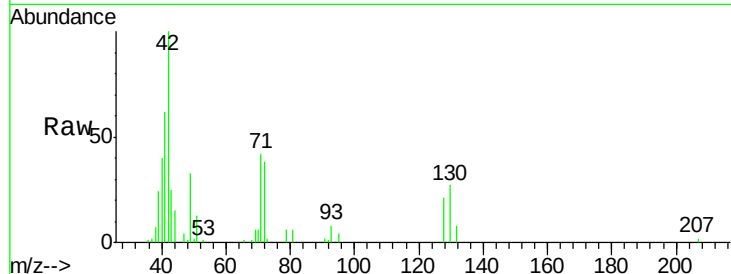
#29
Tetrahydrofuran
Concen: 52.235 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.7	50.5
71	39.0	31.4	47.2

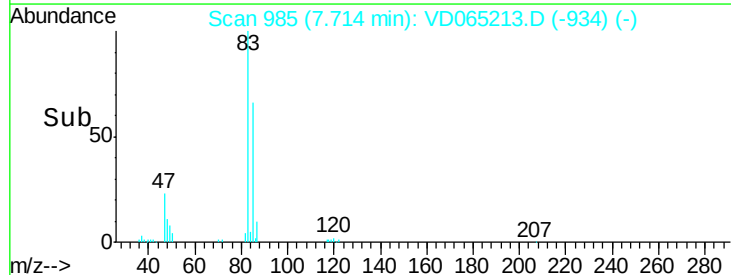
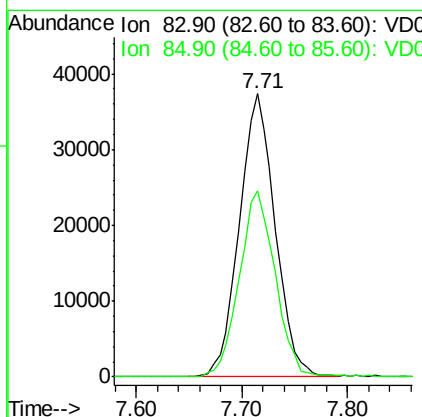
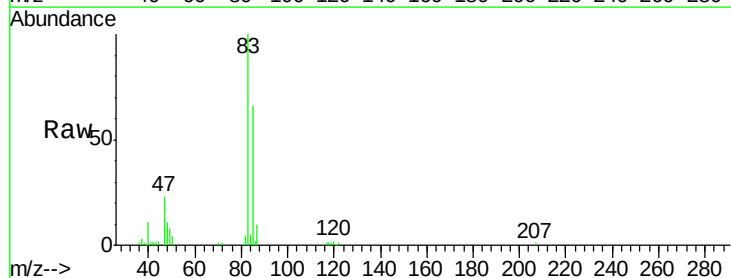
Manual Integrations
APPROVED

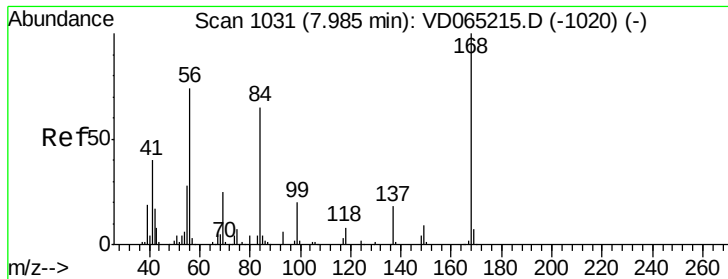
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#30
Chloroform
Concen: 11.333 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.3	78.5





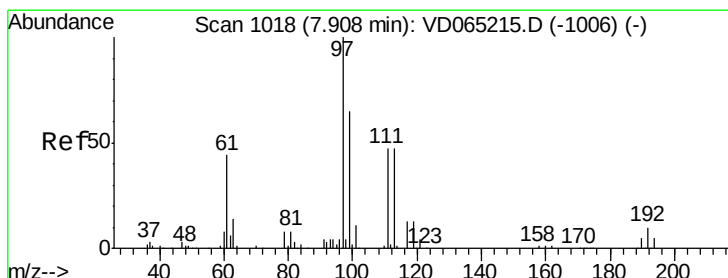
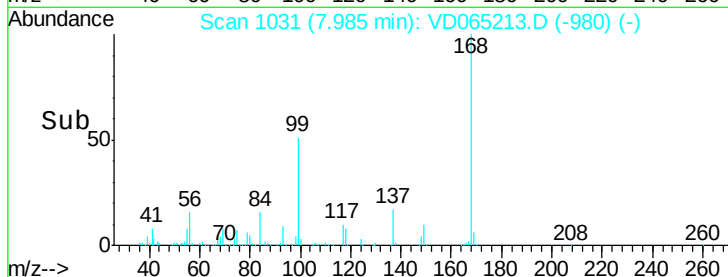
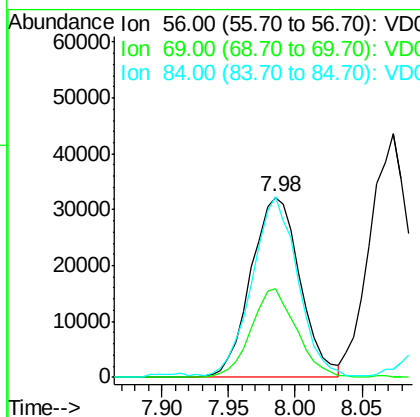
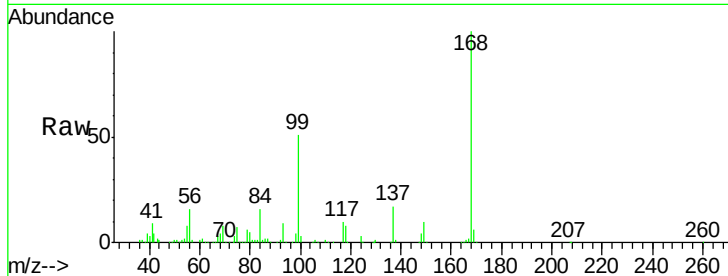
#31
Cyclohexane
Concen: 10.948 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	49.0	27.4	41.0#
84	99.7	71.1	106.7

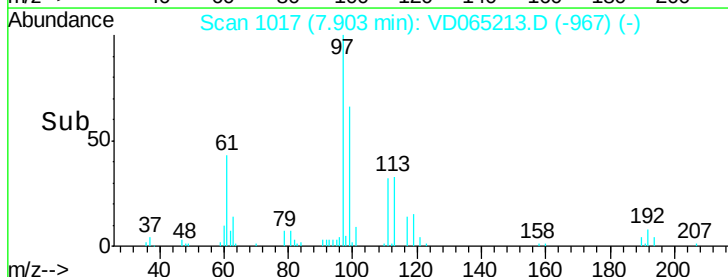
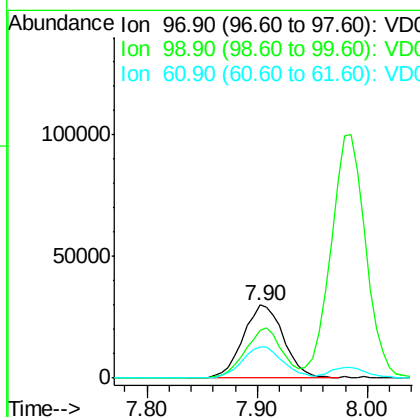
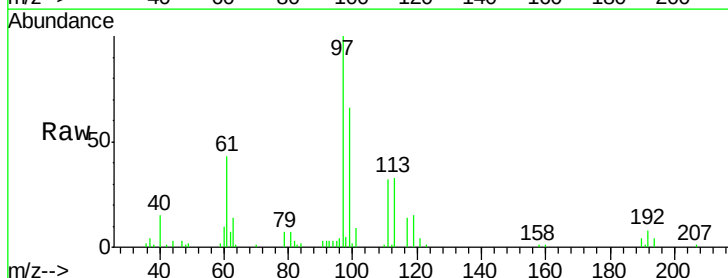
Manual Integrations
APPROVED

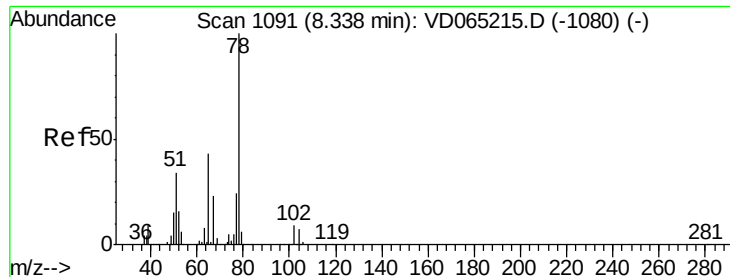
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#32
1,1,1-Trichloroethane
Concen: 11.243 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.4	77.2
61	43.0	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 10.864 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 41687

Ion Ratio Lower Upper

65 100

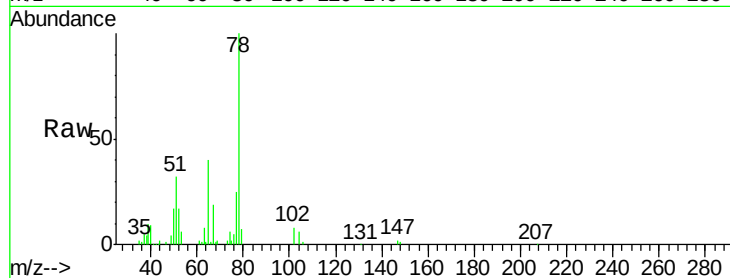
67 52.9 0.0 106.8

Manual Integrations

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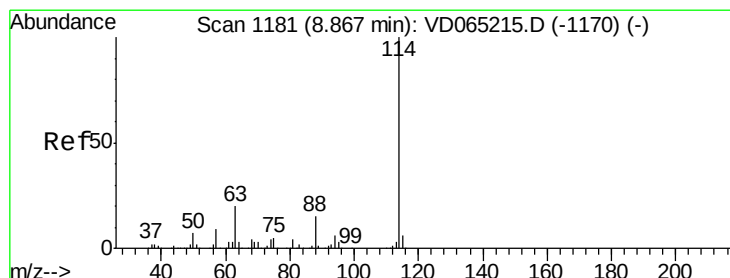
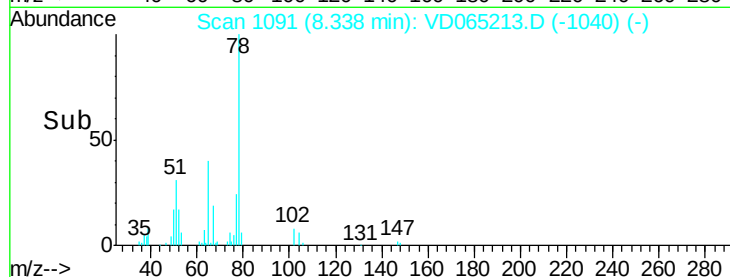
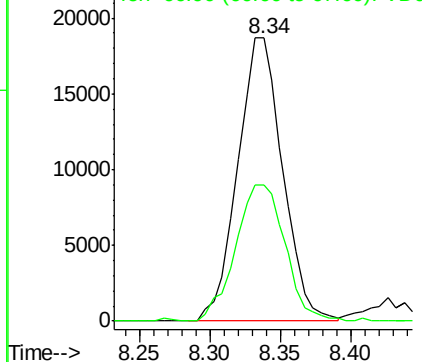
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

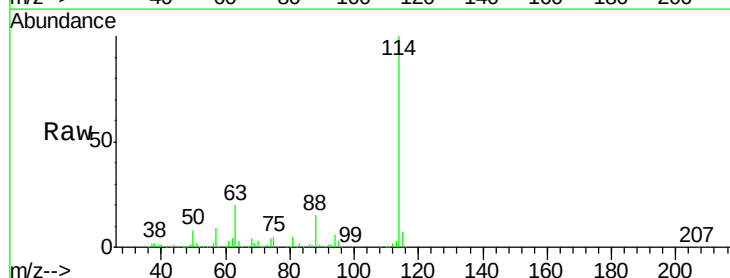
Tgt Ion: 114 Resp: 647000

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.4

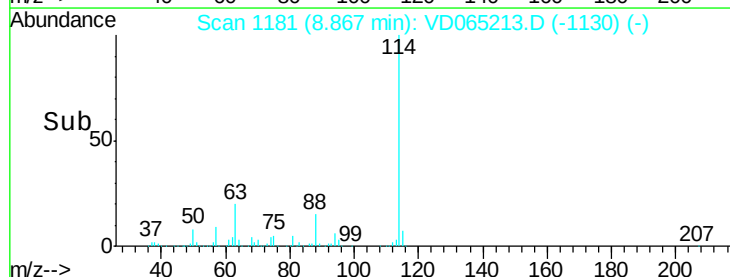
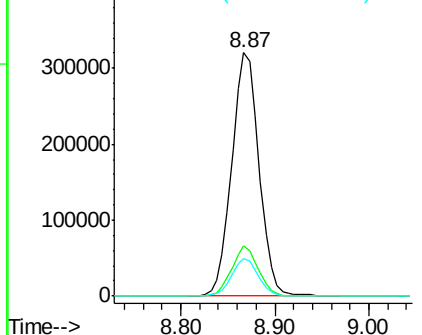
88 15.5 0.0 30.4

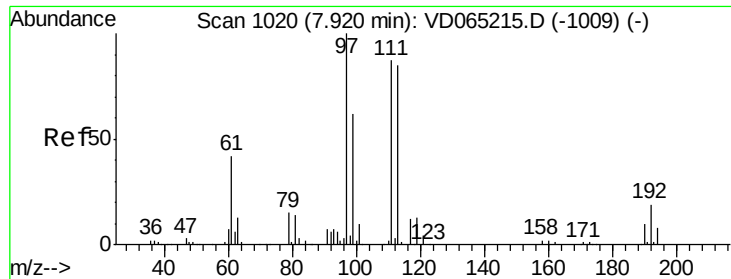


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





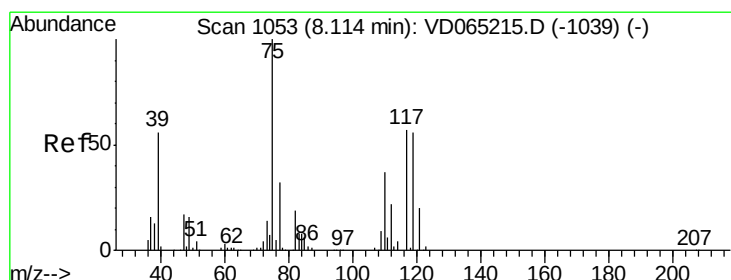
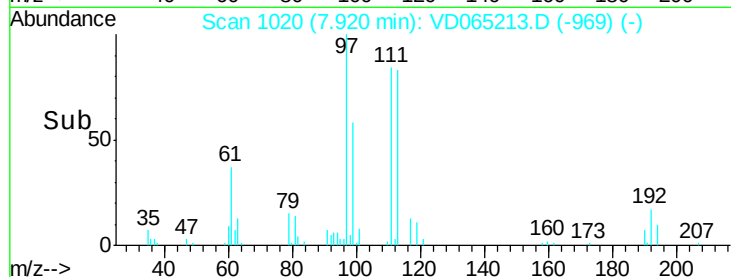
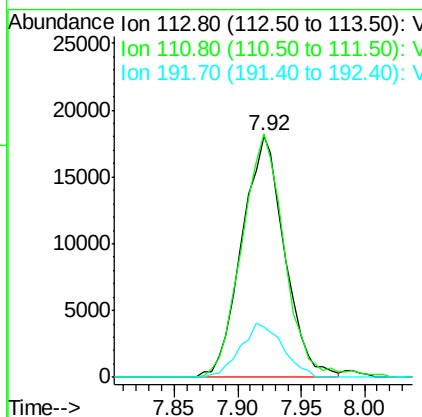
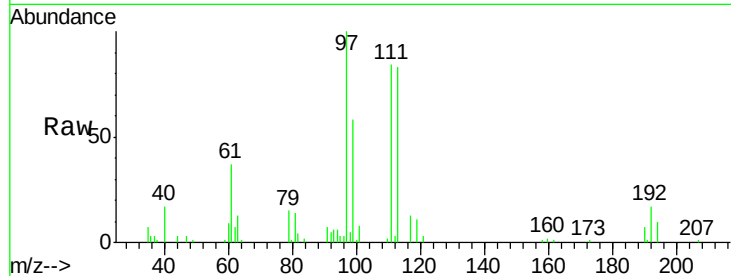
#35
Dibromofluoromethane
Concen: 10.740 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.9	124.3
192	22.0	17.3	25.9

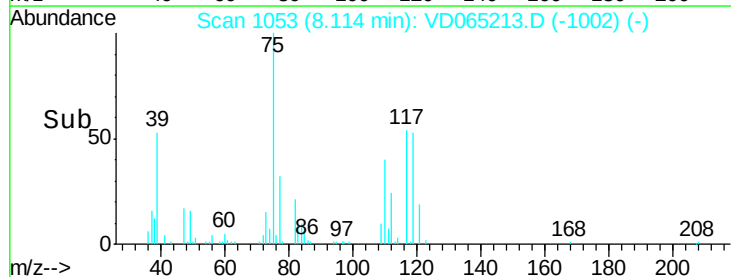
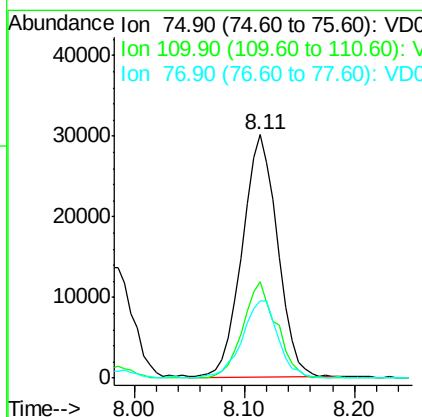
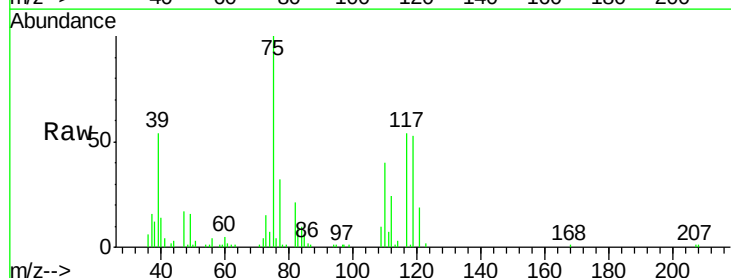
Manual Integrations
APPROVED

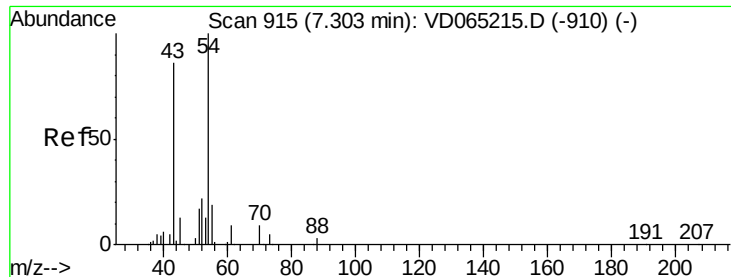
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#36
1,1-Dichloropropene
Concen: 10.737 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.8	17.9	53.7
77	32.6	25.1	37.7





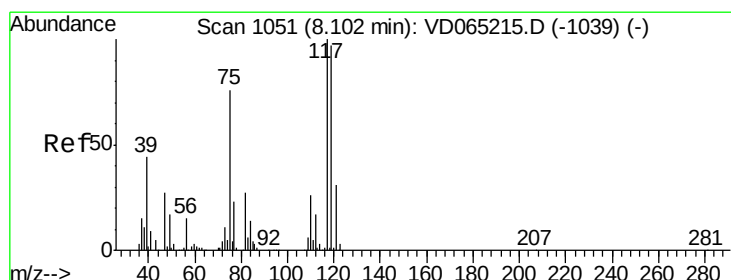
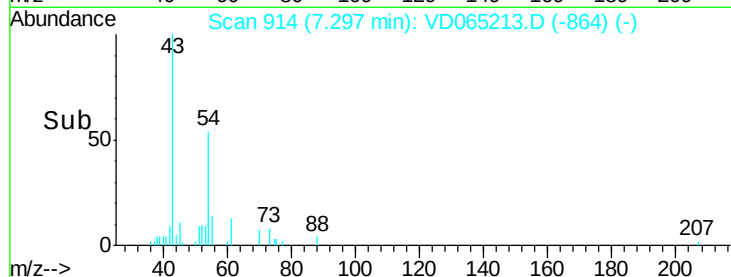
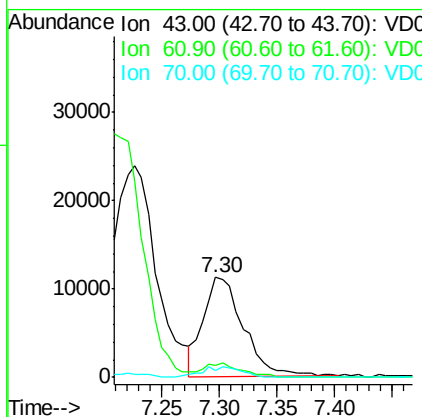
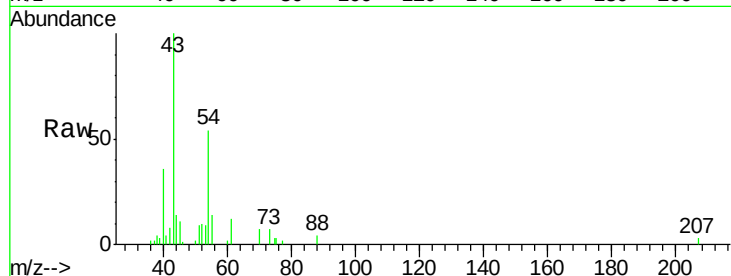
#37
Ethyl Acetate
Concen: 10.364 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:	43	Resp:	27276
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.2	16.8
70	10.3	8.2	12.2

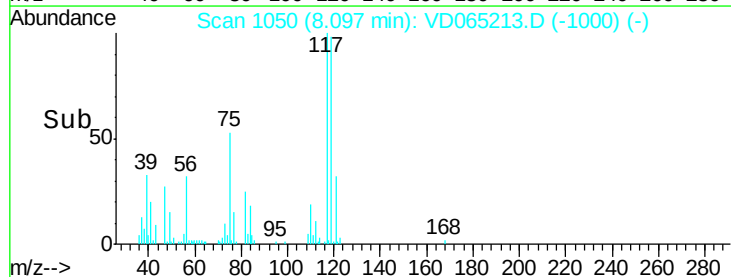
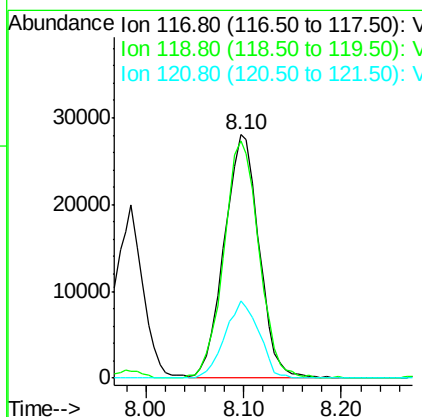
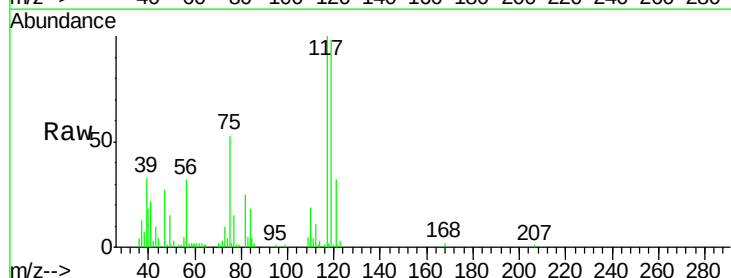
Manual Integrations
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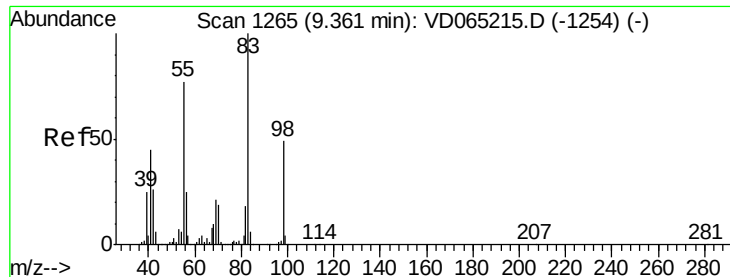
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#38
Carbon Tetrachloride
Concen: 10.820 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Tgt Ion:	117	Resp:	69342
Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.6	116.4
121	31.8	24.8	37.2





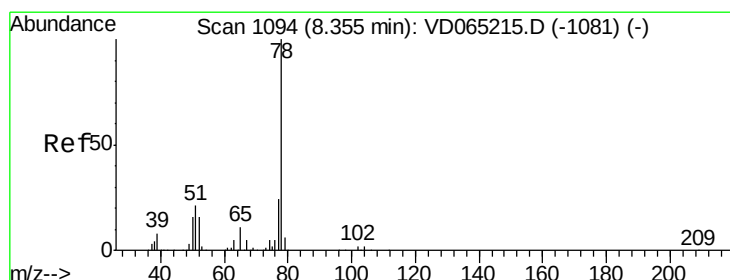
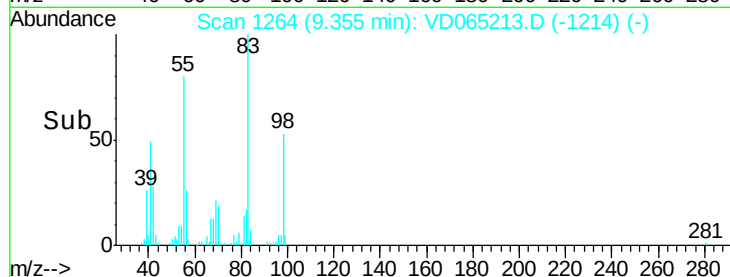
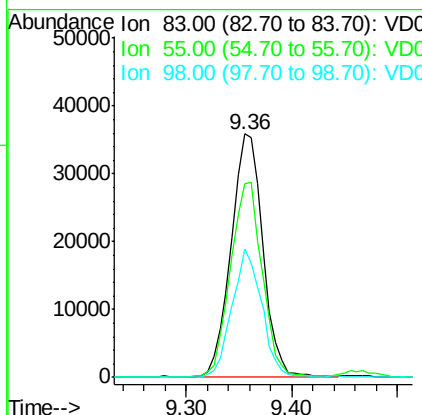
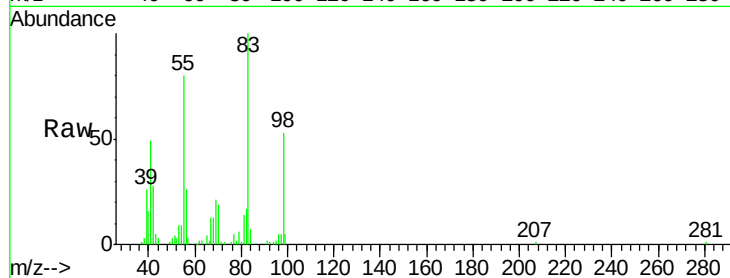
#39
Methylvlcyclohexane
Concen: 10.128 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.6	61.8	92.6
98	52.6	39.4	59.0

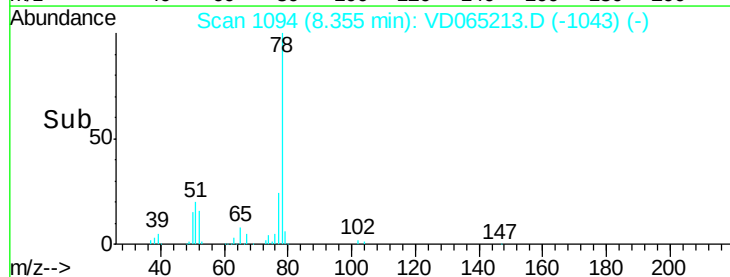
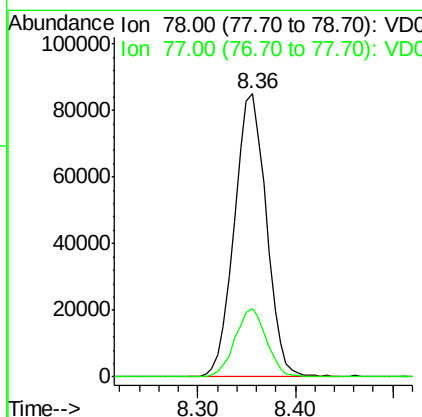
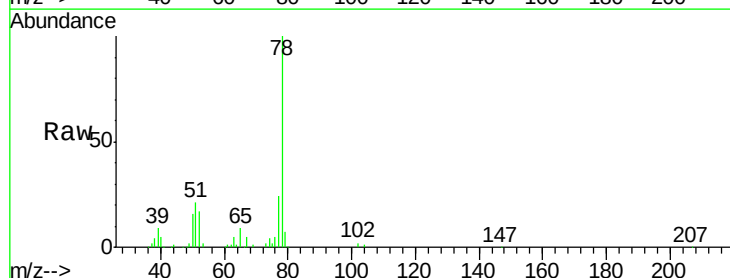
Manual Integrations
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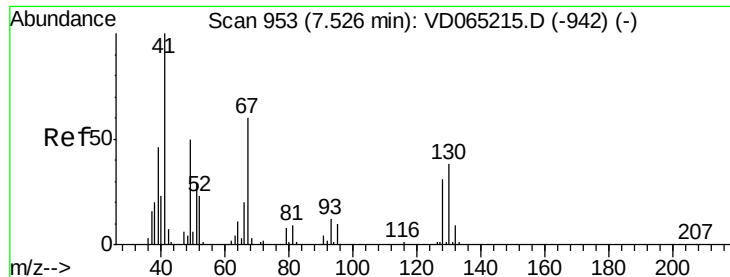
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#40
Benzene
Concen: 10.902 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.6





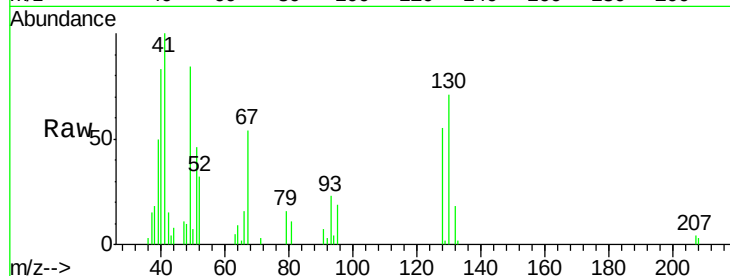
#41
Methacrylonitrile
Concen: 11.234 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

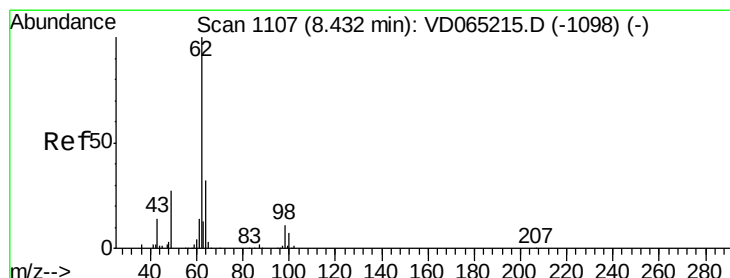
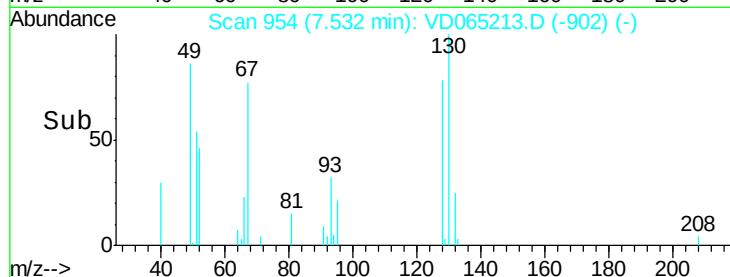
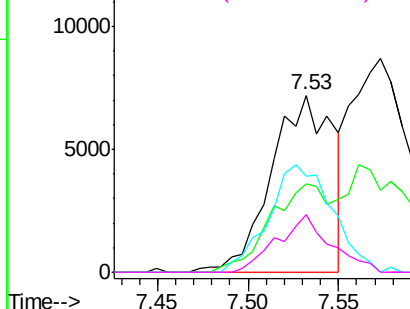
Tot Ion	Ratio	Lower	Upper
41	100		
39	45.8	48.1	72.1#
67	63.3	58.9	88.3
52	28.3	24.2	36.2

Manual Integrations
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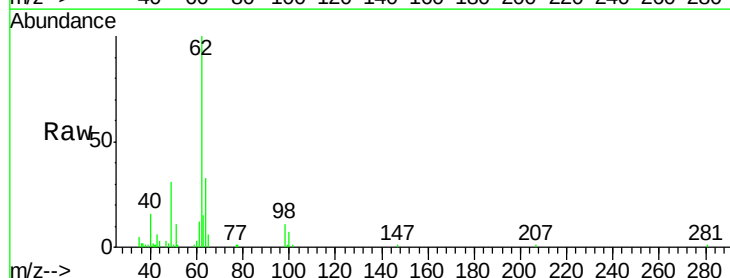


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

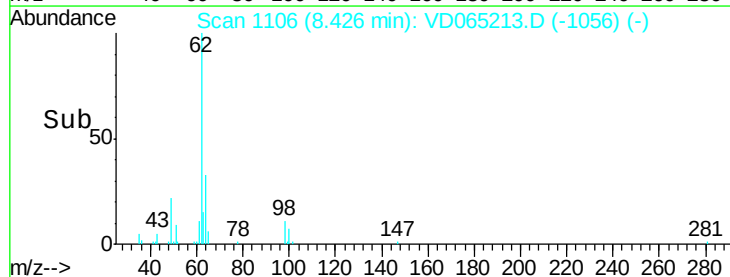
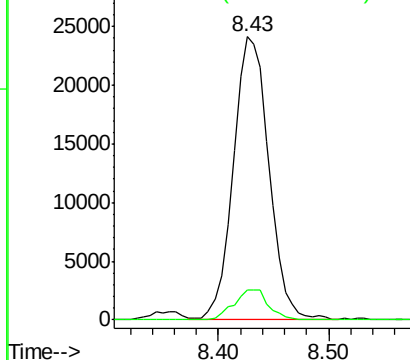


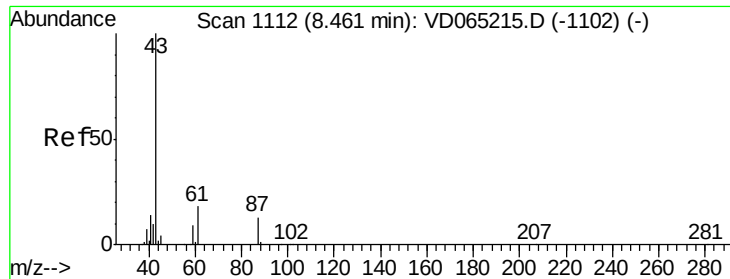
#42
1,2-Dichloroethane
Concen: 11.180 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

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: 10.631 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Instrument :

MSVOA_D

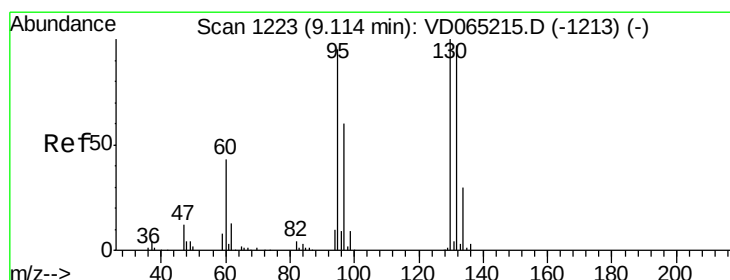
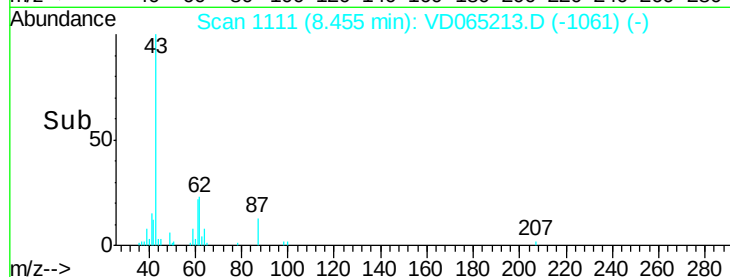
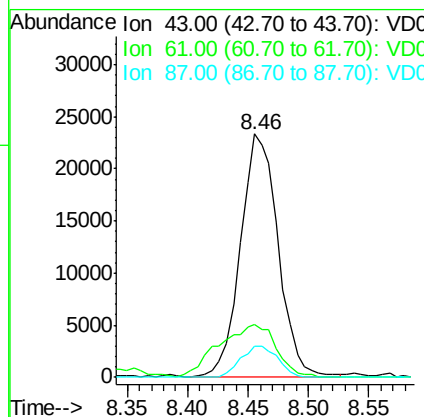
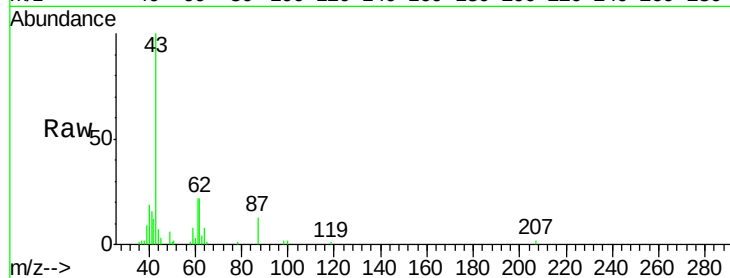
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	50879
Ion	Ratio	Lower	Upper
43	100		
61	33.0	24.6	36.8
87	12.5	10.6	16.0

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#44

Trichloroethene

Concen: 11.053 ug/l

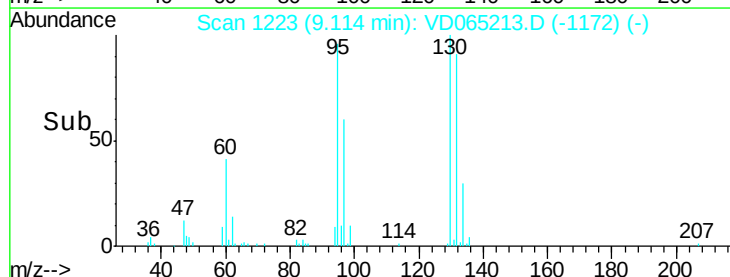
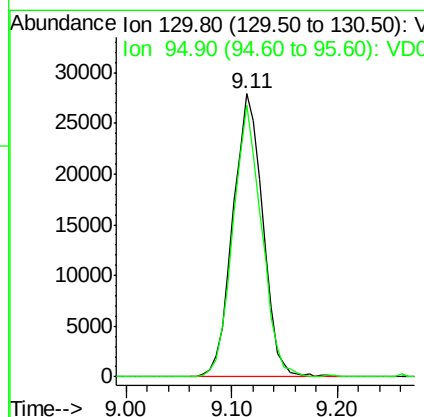
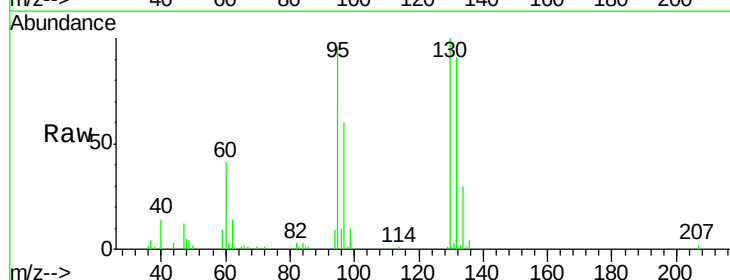
RT: 9.11 min Scan# 1223

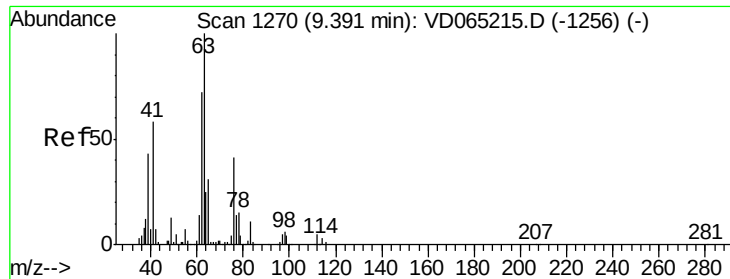
Delta R.T. 0.00 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Tgt Ion:	130	Resp:	54442
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	190.6





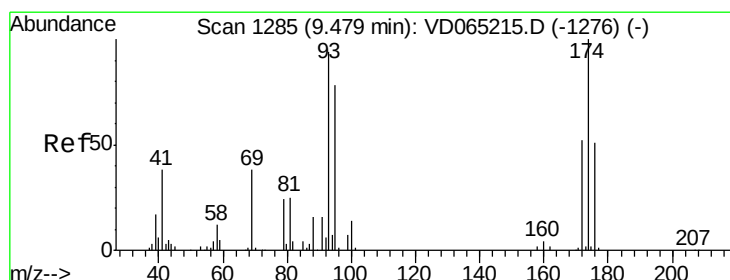
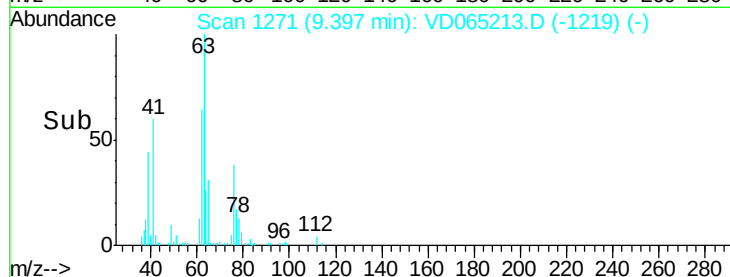
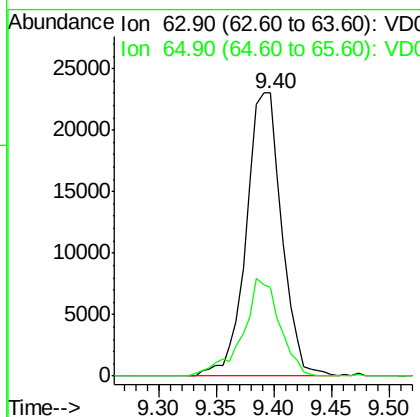
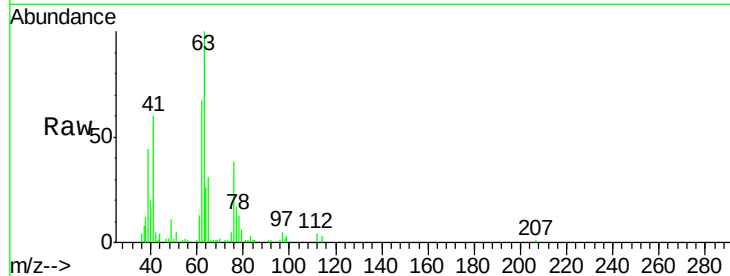
#45
 1,2-Dichloropropane
 Concen: 11.222 ug/l
 RT: 9.40 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD065213.D
 Acq: 18 Feb 2020 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 63 Resp: 49582
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.9 37.3

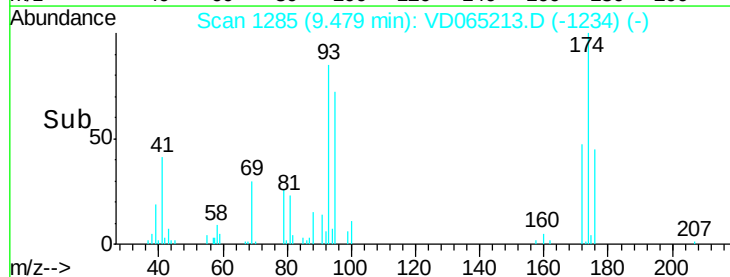
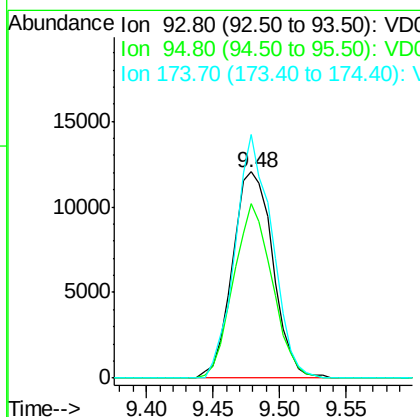
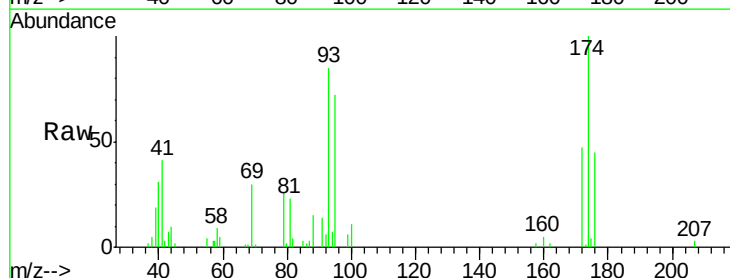
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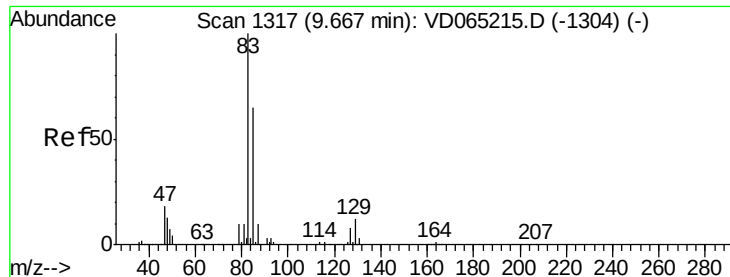
MMDadoda
 2/19/2020 1:44:03 PM



#46
 Dibromomethane
 Concen: 11.137 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065213.D
 Acq: 18 Feb 2020 11:02

Tgt Ion: 93 Resp: 25319
 Ion Ratio Lower Upper
 93 100
 95 81.0 65.8 98.6
 174 107.7 86.8 130.2





#47

Bromodichloromethane

Concen: 10.972 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Instrument :

MSVOA_D

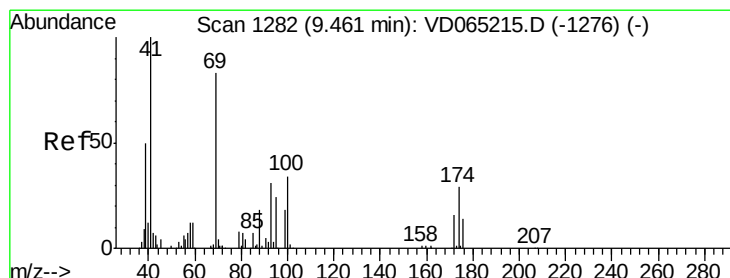
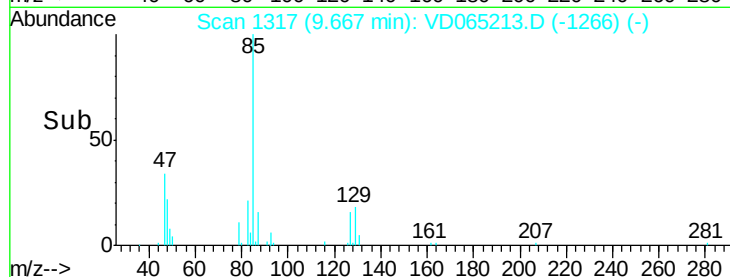
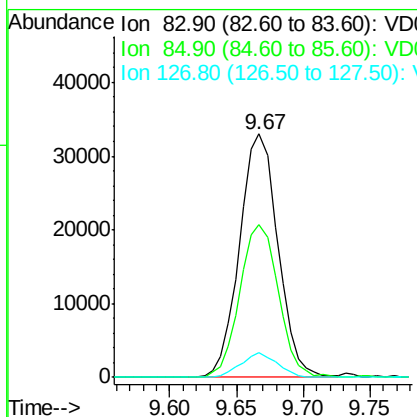
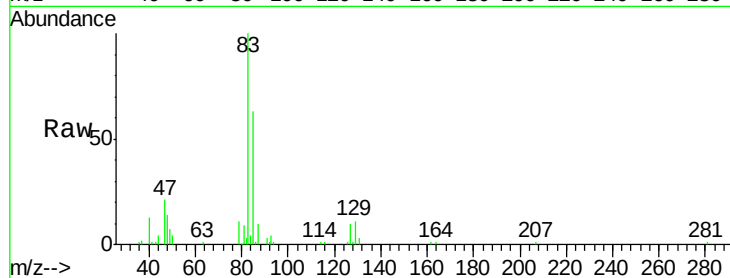
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	65733
Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.0	78.0
127	10.2	6.7	10.1#

Manual Integrations
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#48

Methyl methacrylate

Concen: 9.755 ug/l

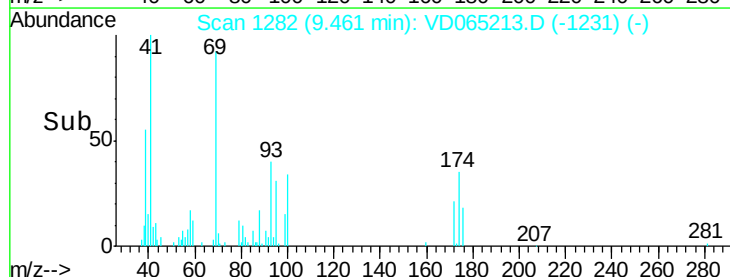
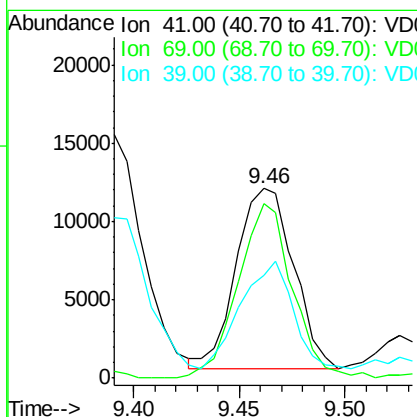
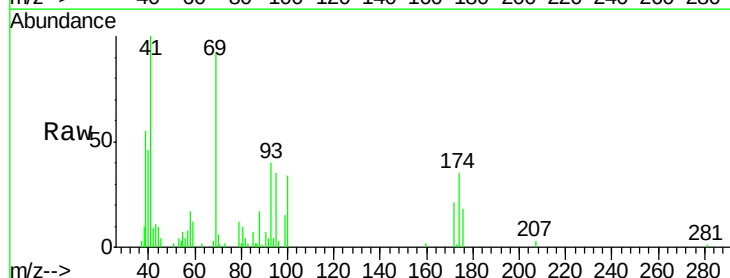
RT: 9.46 min Scan# 1282

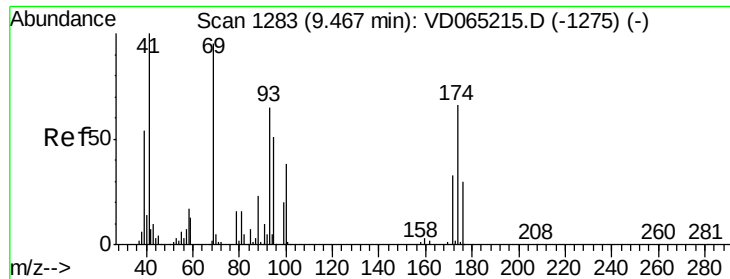
Delta R.T. 0.00 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Tgt Ion:	41	Resp:	21579
Ion	Ratio	Lower	Upper
41	100		
69	92.5	68.2	102.2
39	57.4	42.0	63.0





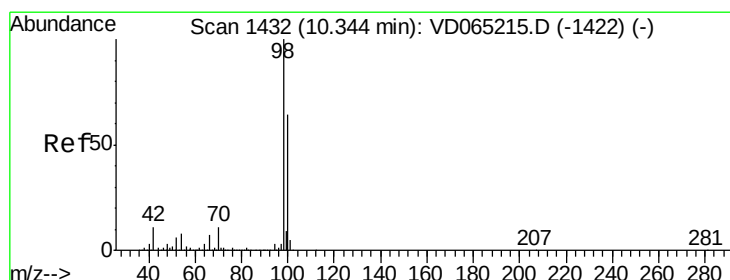
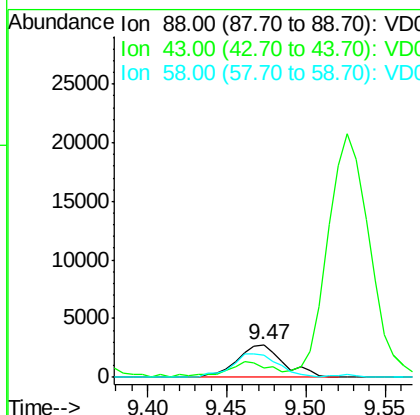
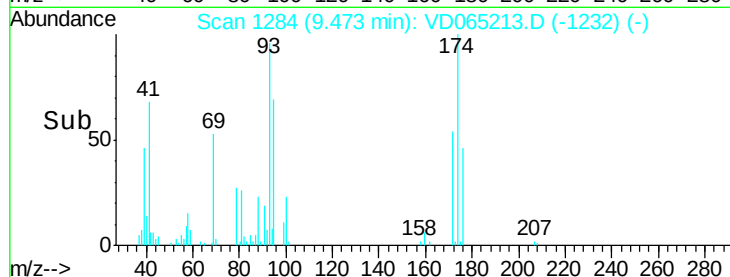
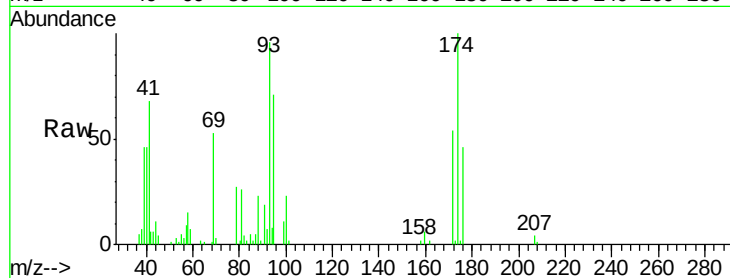
#49
1,4-Dioxane
Concen: 209.313 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	47.1	28.5	42.7#
58	73.9	58.6	87.8

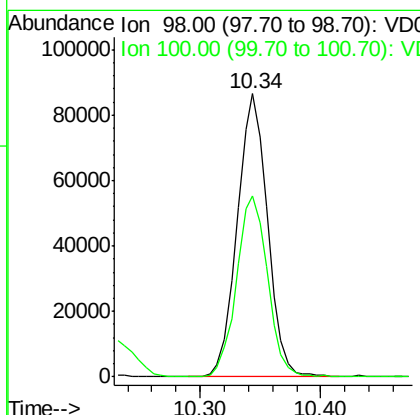
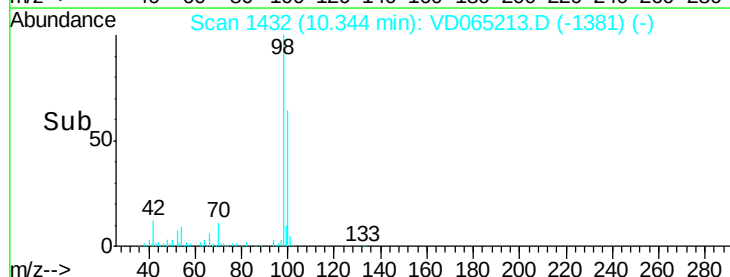
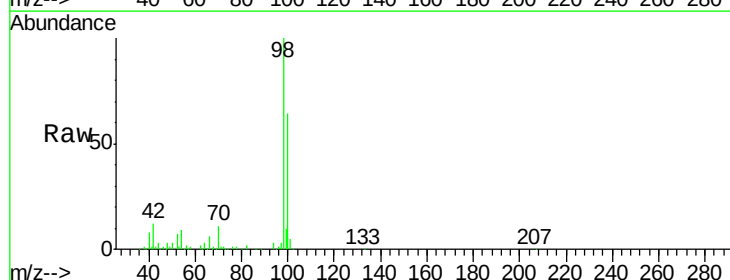
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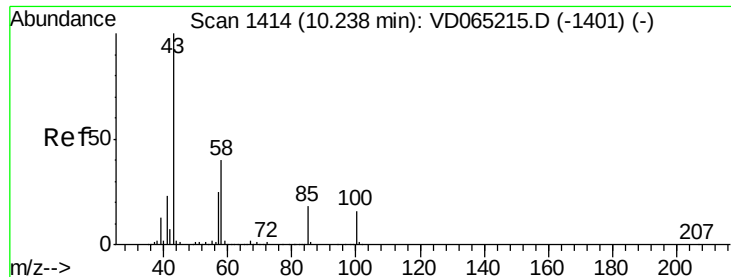
MMDadoda
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#50
Toluene-d8
Concen: 10.051 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 53.036 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 128917

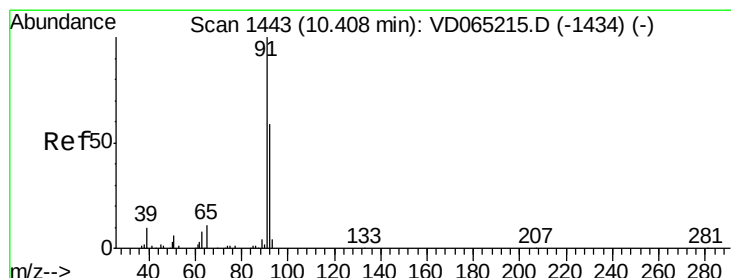
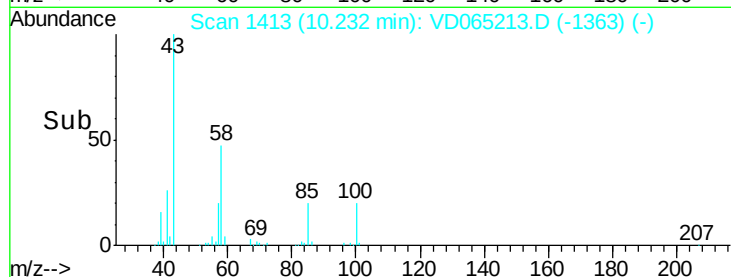
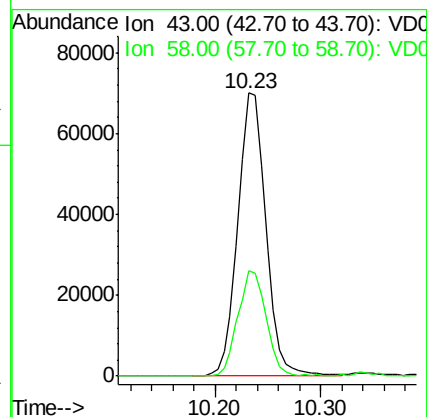
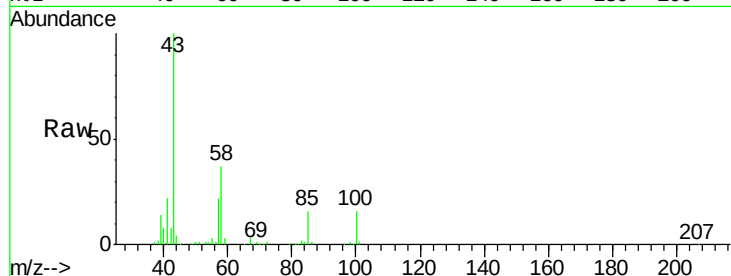
Ion Ratio Lower Upper

43 100

58 37.6 31.1 46.7

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#52

Toluene

Concen: 10.768 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065213.D

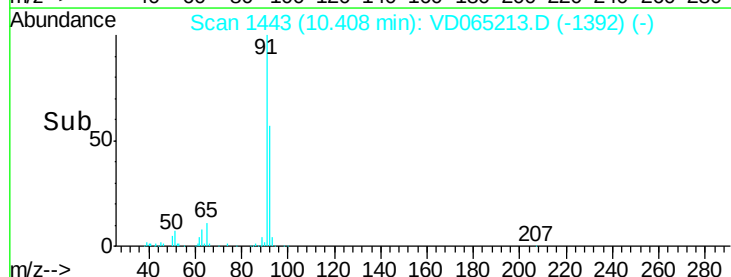
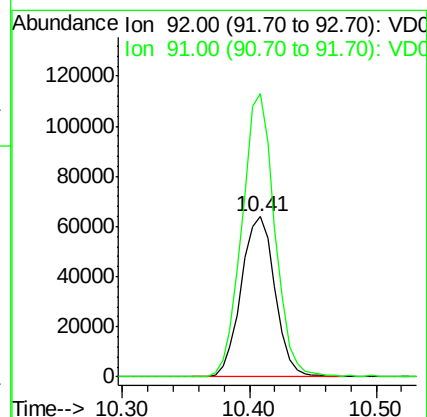
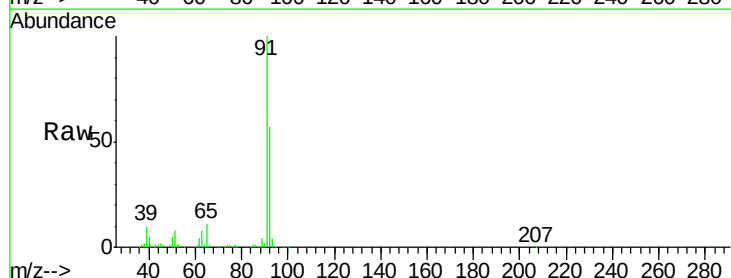
Acq: 18 Feb 2020 11:02

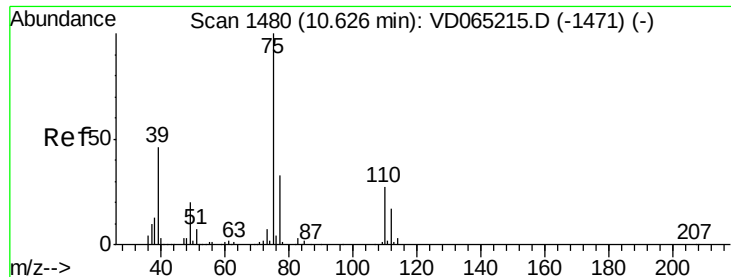
Tgt Ion: 92 Resp: 118433

Ion Ratio Lower Upper

92 100

91 171.1 136.3 204.5





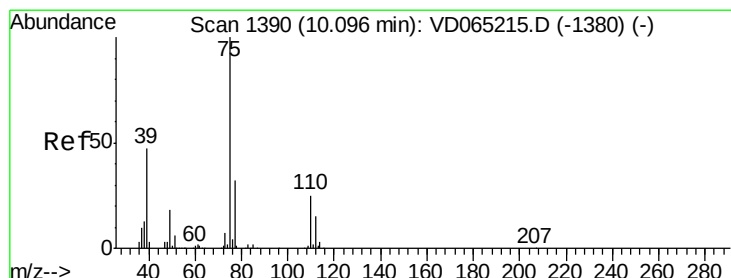
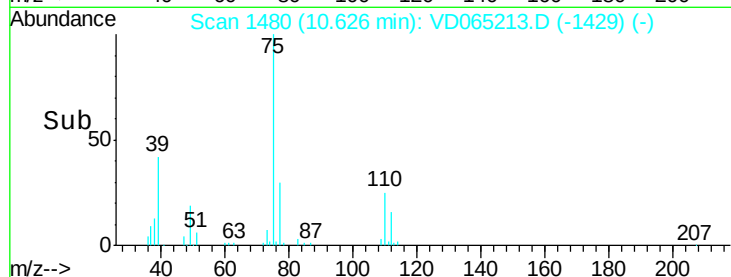
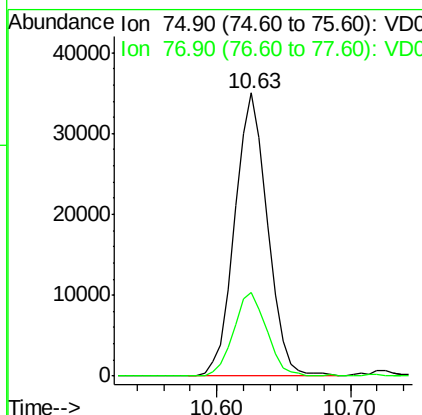
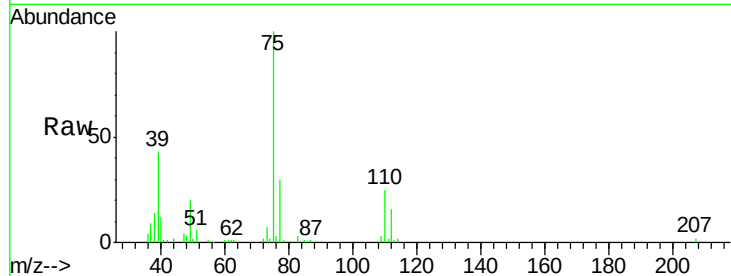
#53
t-1,3-Dichloropropene
Concen: 10.734 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 75 Resp: 59608
Ion Ratio Lower Upper
75 100
77 29.6 26.6 40.0

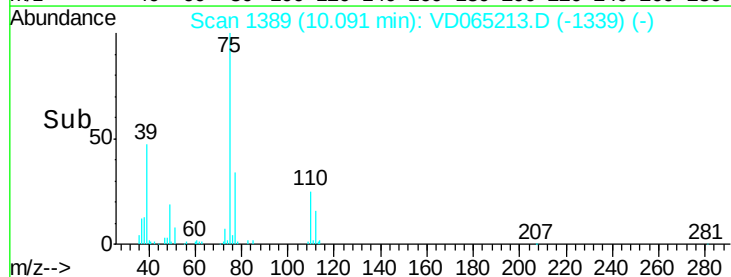
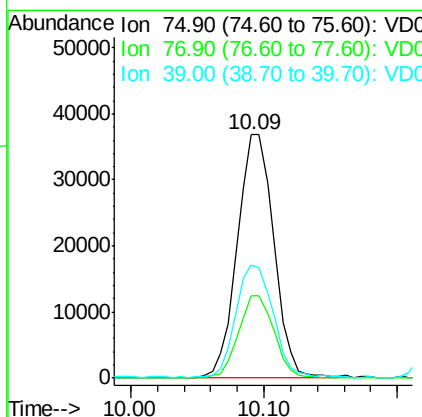
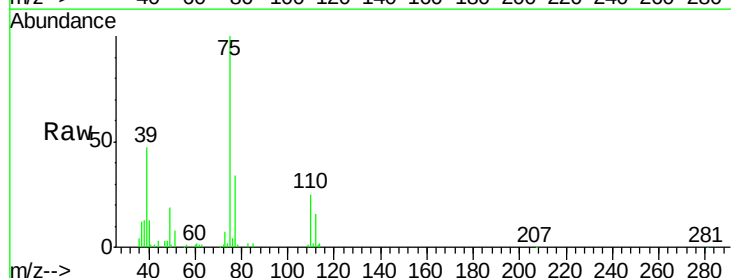
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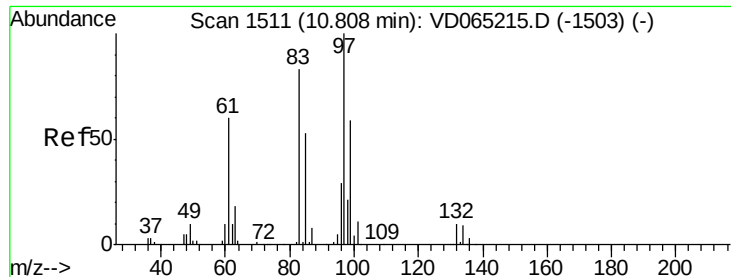
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#54
cis-1,3-Dichloropropene
Concen: 10.442 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Tgt Ion: 75 Resp: 70025
Ion Ratio Lower Upper
75 100
77 33.7 25.8 38.8
39 46.6 37.3 55.9





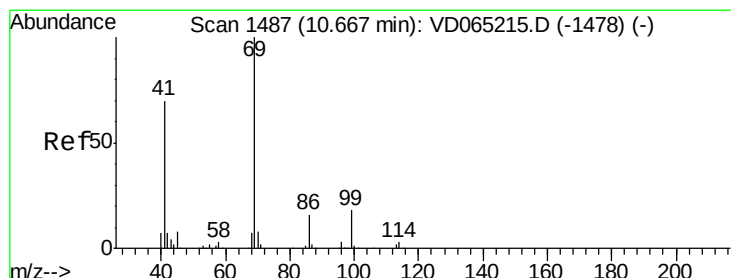
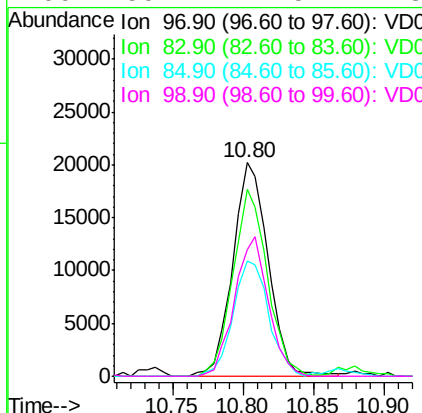
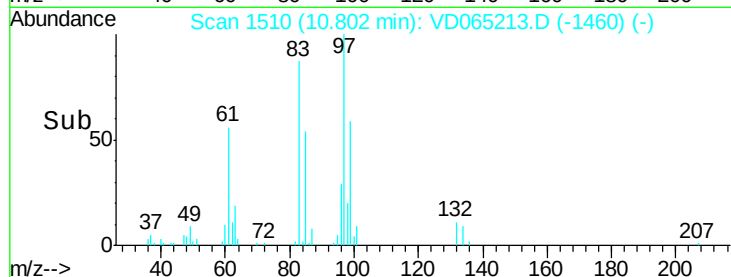
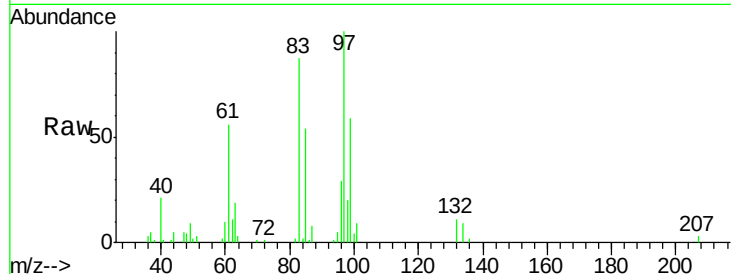
#55
 1,1,2-Trichloroethane
 Concen: 11.057 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065213.D
 Acq: 18 Feb 2020 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	35380
Ion	Ratio	Lower	Upper
97	100		
83	87.5	66.7	100.1
85	53.7	42.4	63.6
99	59.2	47.5	71.3

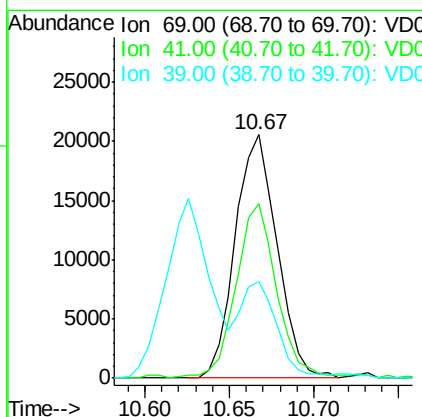
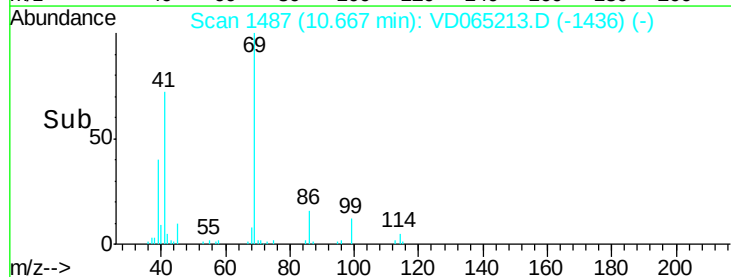
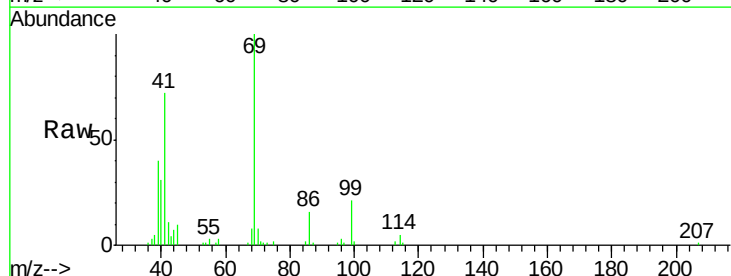
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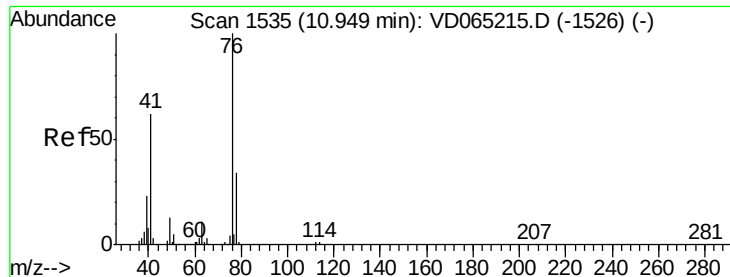
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 2/19/2020 1:44:03 PM



#56
 Ethyl methacrylate
 Concen: 9.575 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065213.D
 Acq: 18 Feb 2020 11:02

Tgt Ion:	69	Resp:	35364
Ion	Ratio	Lower	Upper
69	100		
41	70.0	54.6	81.8
39	33.8	26.5	39.7





#57

1,3-Dichloropropane

Concen: 10.686 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 58196

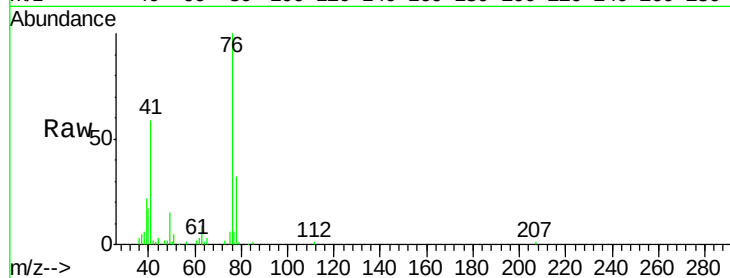
Ion Ratio Lower Upper

76 100

78 32.2 26.3 39.5

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

40000

30000

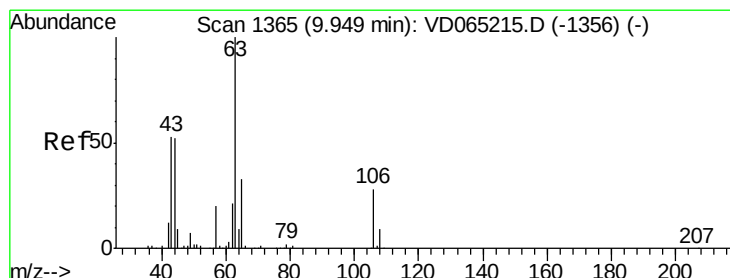
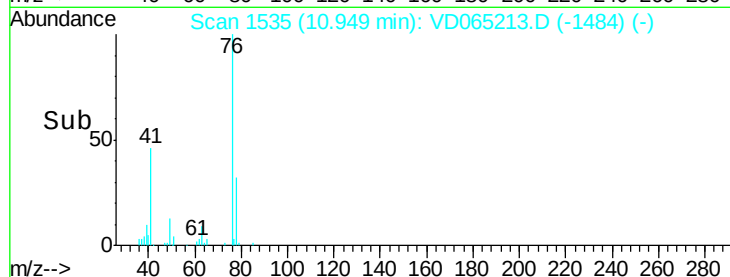
20000

10000

0

Time-->

10.90 10.95 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 46.667 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065213.D

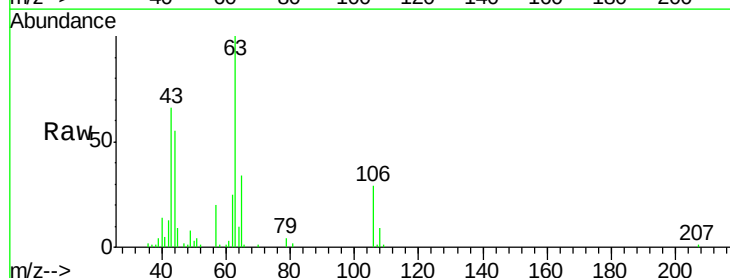
Acq: 18 Feb 2020 11:02

Tgt Ion: 63 Resp: 54338

Ion Ratio Lower Upper

63 100

106 28.0 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.95

30000

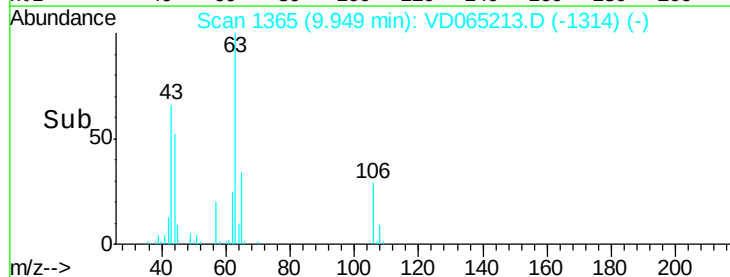
20000

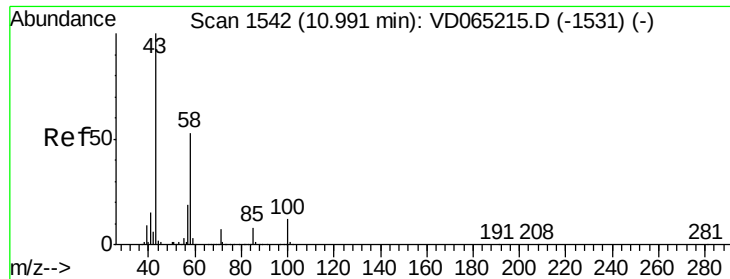
10000

0

Time-->

9.90 9.95 10.00





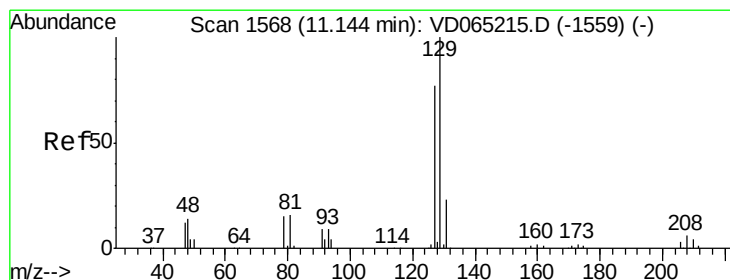
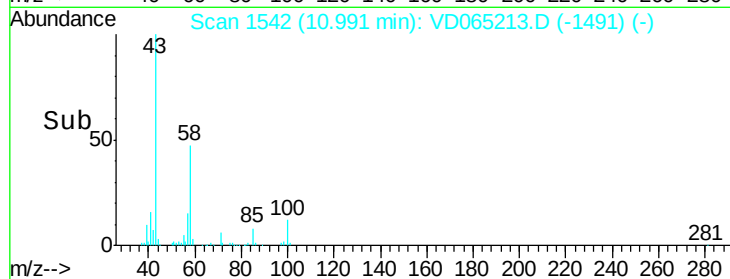
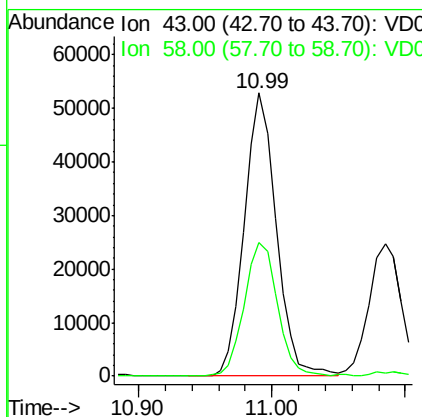
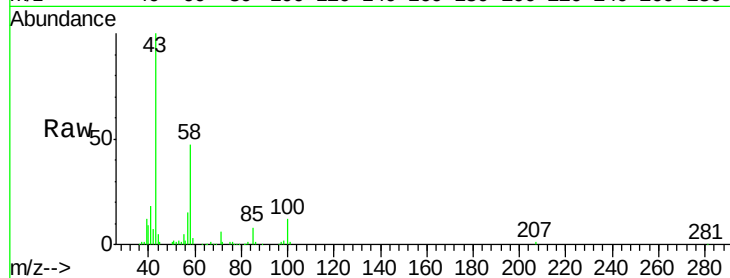
#59
2-Hexanone
Concen: 50.245 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	43	Resp	87428
Ion Ratio	43	100	
Lower	58	49.2	26.3
Upper			78.8

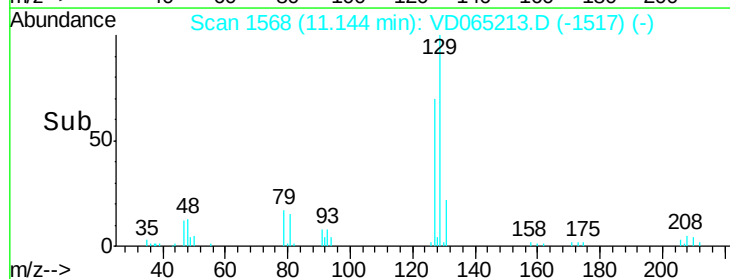
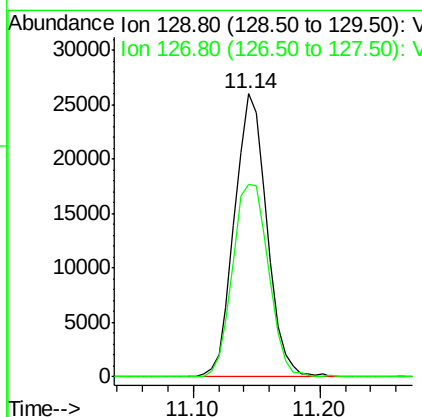
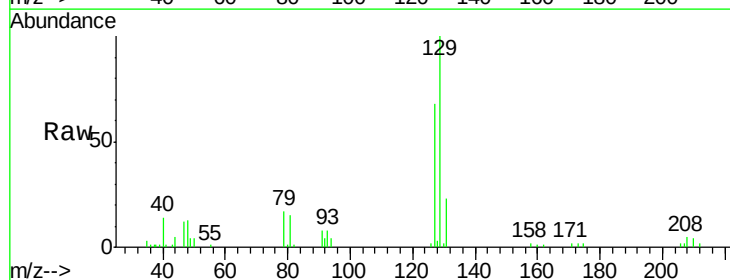
Manual Integrations
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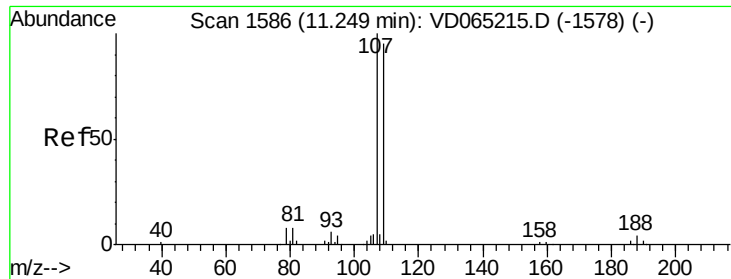
MMDadoda
2/19/2020 1:44:03 PM



#60
Dibromochloromethane
Concen: 11.240 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Tgt Ion	129	Resp	46035
Ion Ratio	129	100	
Lower	127	75.2	38.7
Upper			116.1





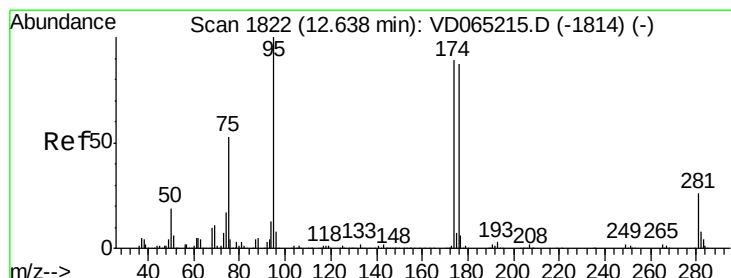
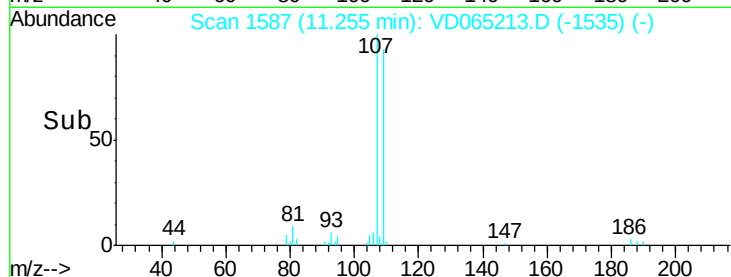
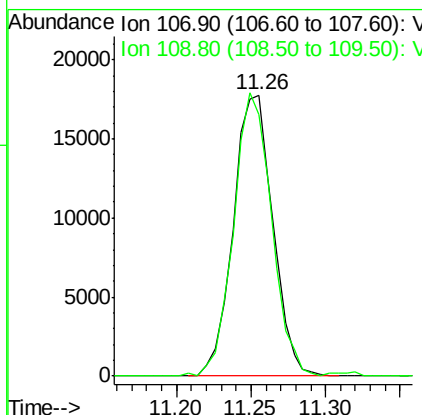
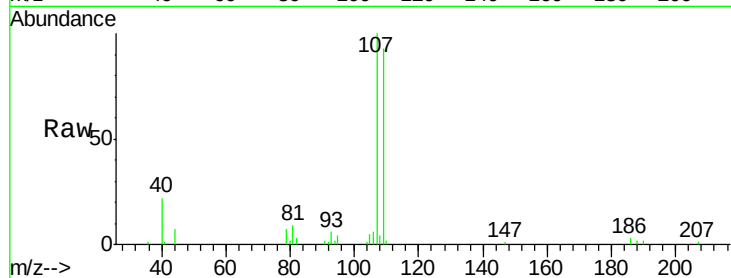
#61
 1,2-Dibromoethane
 Concen: 10.793 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD065213.D
 Acq: 18 Feb 2020 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 107 Resp: 32699
 Ion Ratio Lower Upper
 107 100
 109 97.1 76.2 114.4

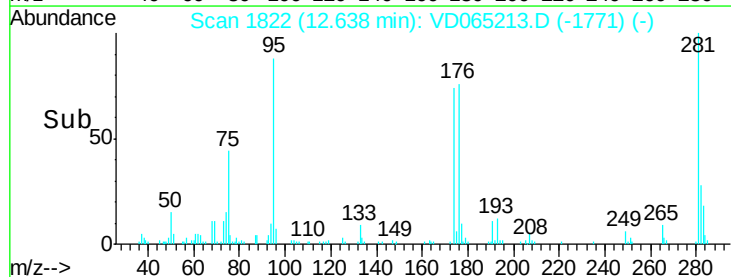
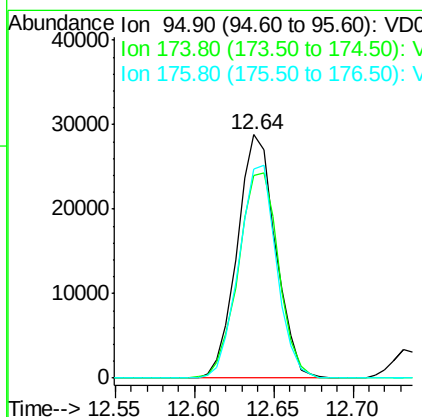
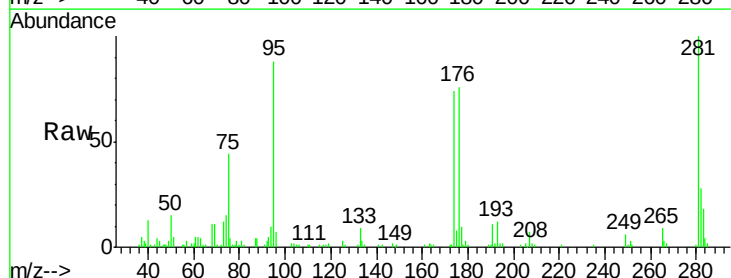
Manual Integrations
 APPROVED

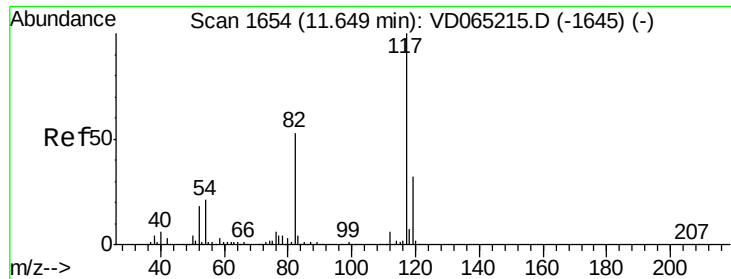
MMDadoda
 2/19/2020 1:44:03 PM



#62
 4-Bromofluorobenzene
 Concen: 10.128 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065213.D
 Acq: 18 Feb 2020 11:02

Tgt Ion: 95 Resp: 48390
 Ion Ratio Lower Upper
 95 100
 174 88.5 0.0 178.0
 176 86.0 0.0 174.4





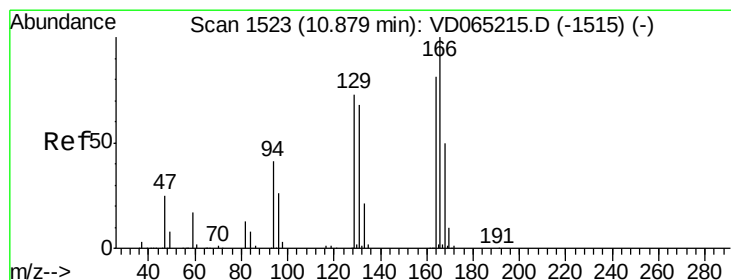
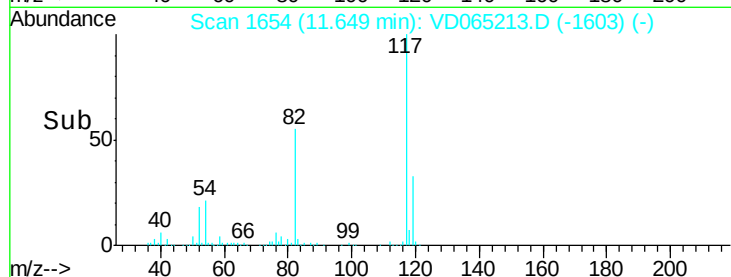
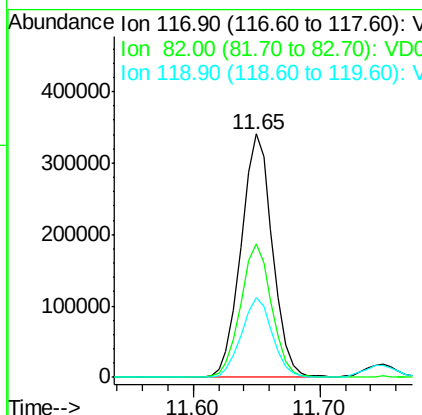
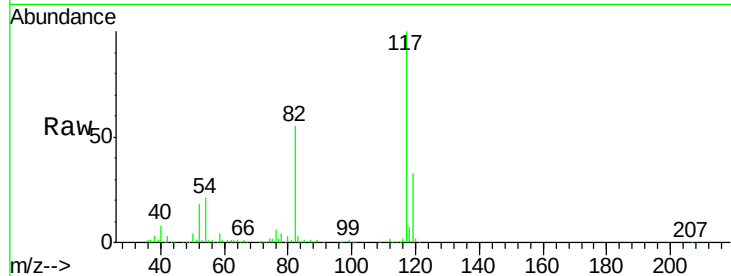
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	585158		
82	54.9	42.7	64.1	
119	32.6	25.5	38.3	

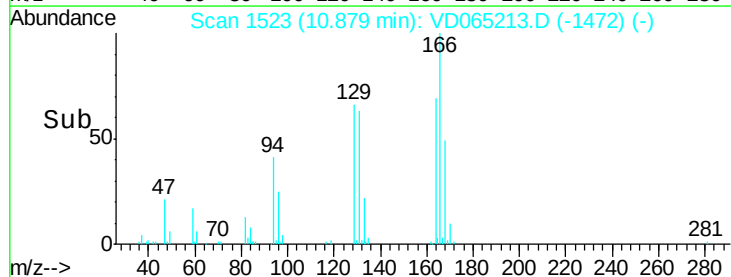
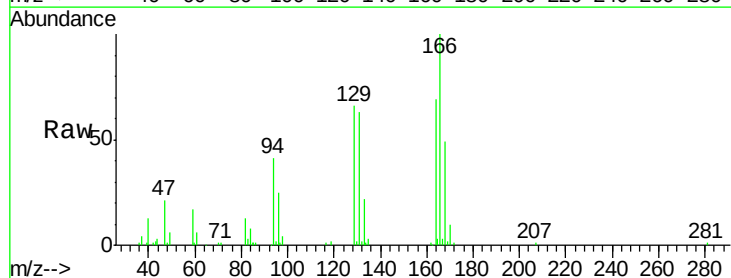
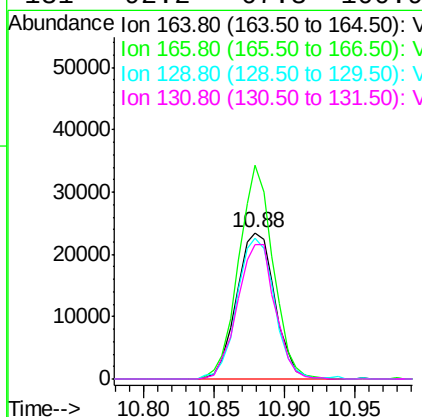
Manual Integrations
APPROVED

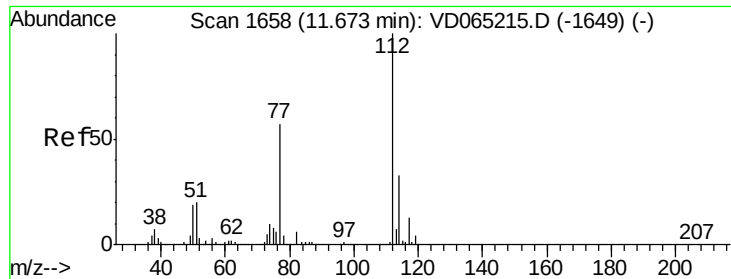
MMDadoda
2/19/2020 1:44:03 PM



#64
Tetrachloroethene
Concen: 10.690 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	44365		
166	146.0	98.4	147.6	
129	96.6	71.6	107.4	
131	92.2	67.3	100.9	





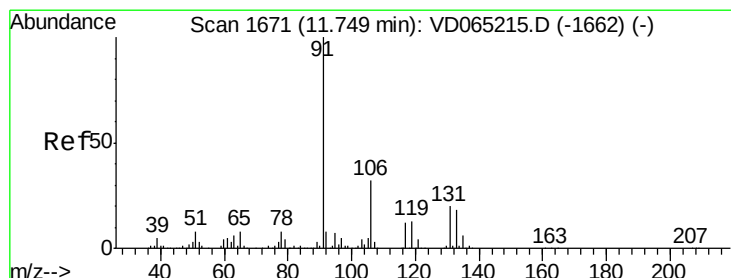
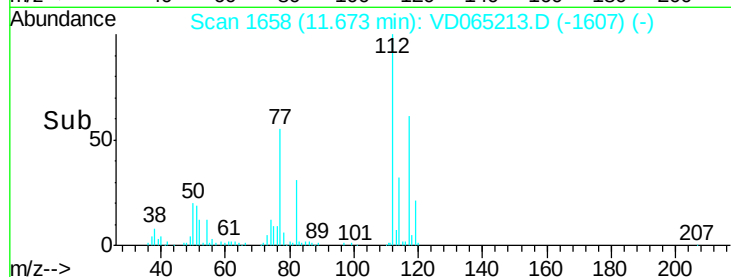
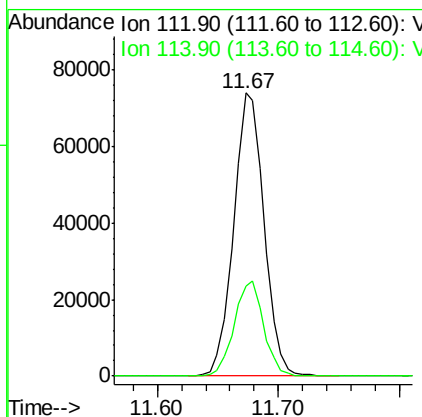
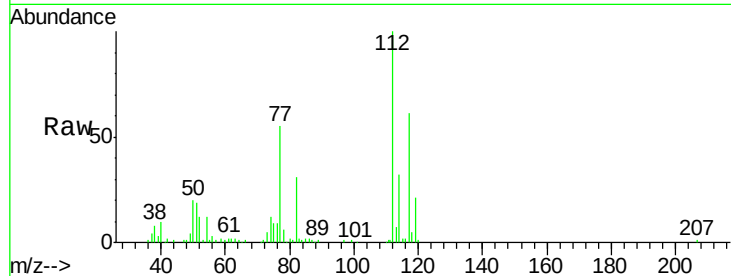
#65
Chlorobenzene
Concen: 11.016 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.4	39.6

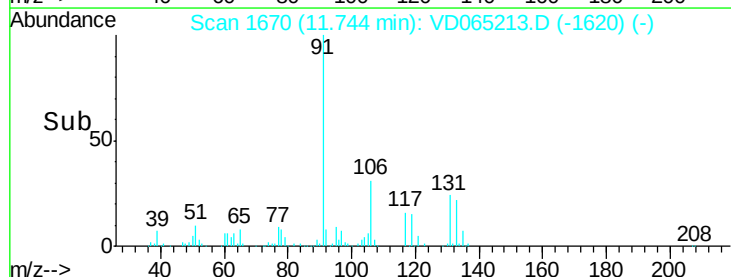
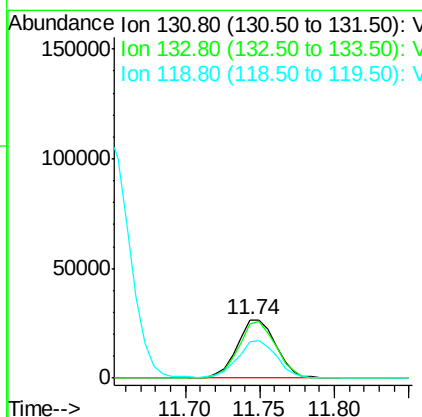
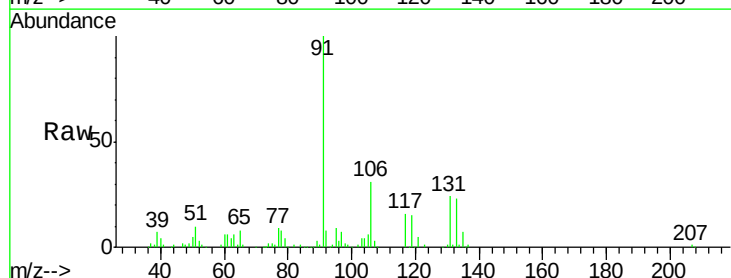
Manual Integrations
APPROVED

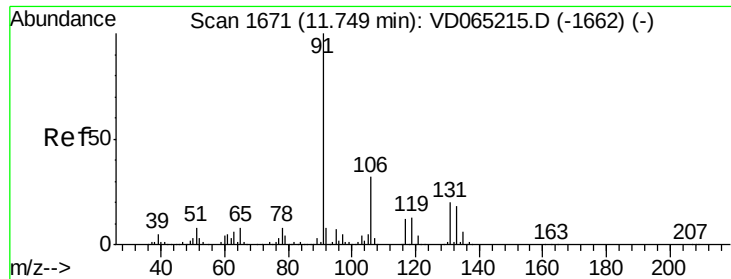
MMDadoda
2/19/2020 1:44:03 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 11.024 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.7	47.7	143.1
119	64.9	32.7	98.1





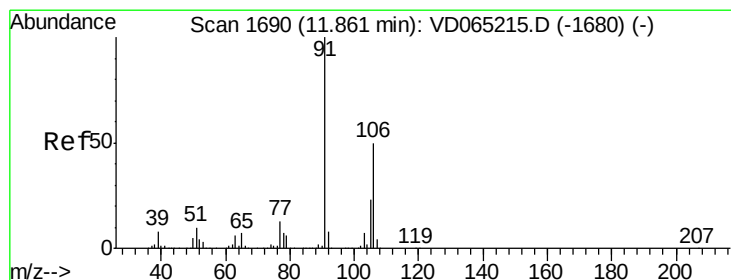
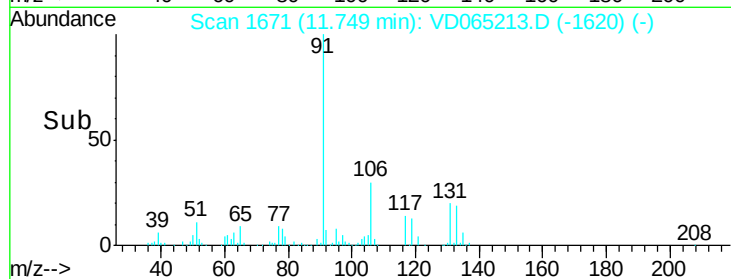
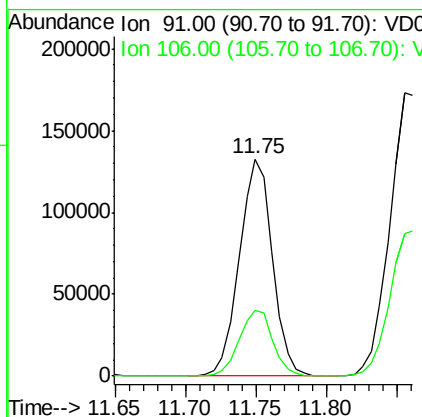
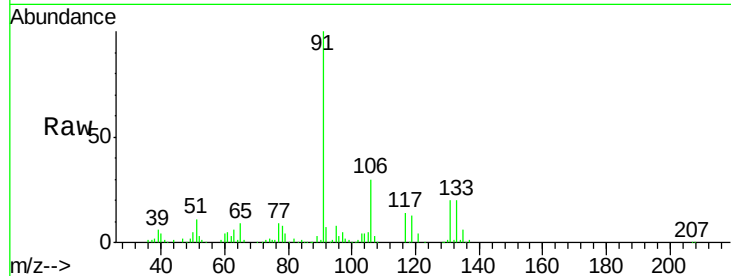
#67
Ethyl Benzene
Concen: 10.575 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.2	37.8

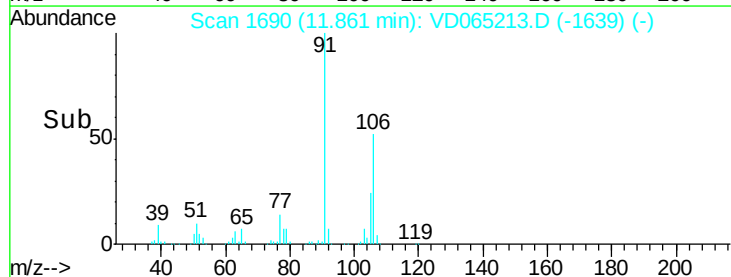
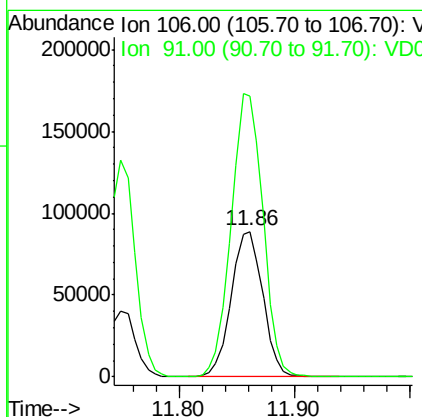
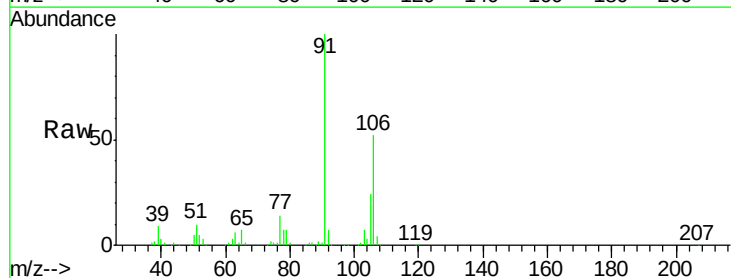
Manual Integrations
APPROVED

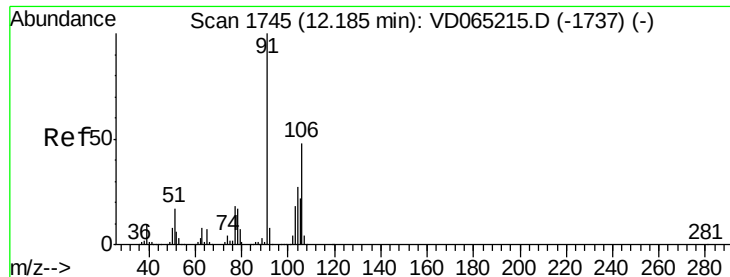
MMDadoda
2/19/2020 1:44:03 PM



#68
m/p-Xylenes
Concen: 21.485 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
106	100		
91	196.1	158.2	237.4





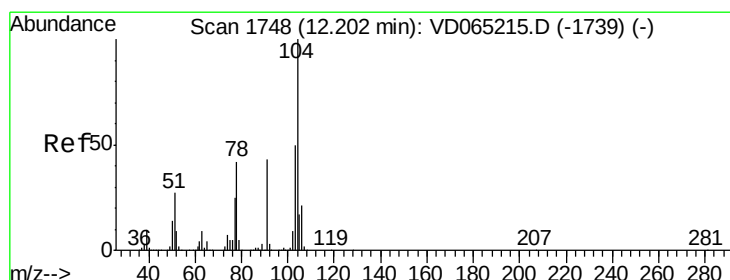
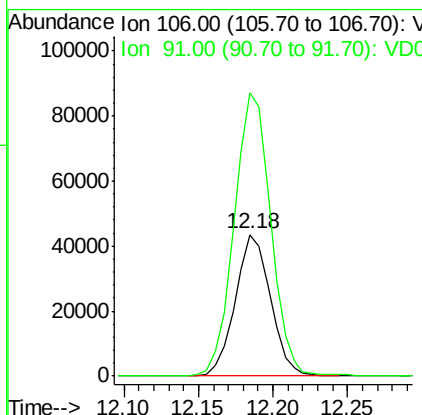
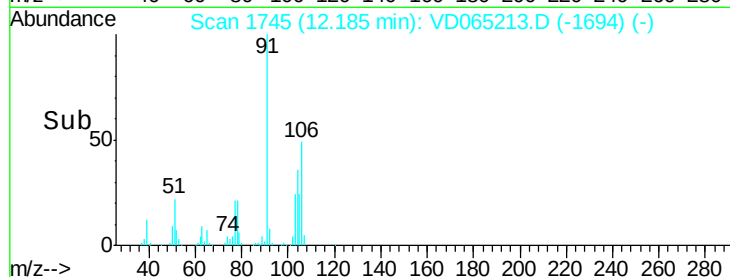
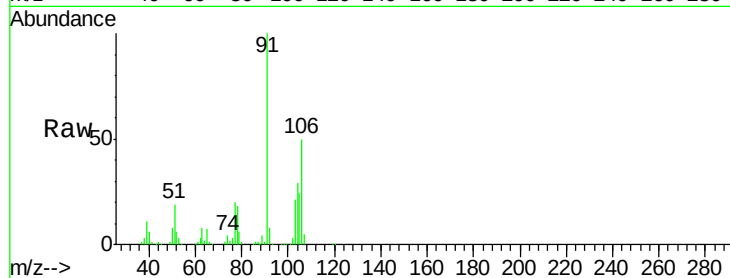
#69
o-Xylene
Concen: 10.213 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Instrument :
MSVOA_D
ClientSampled :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	208.9	104.7	313.9

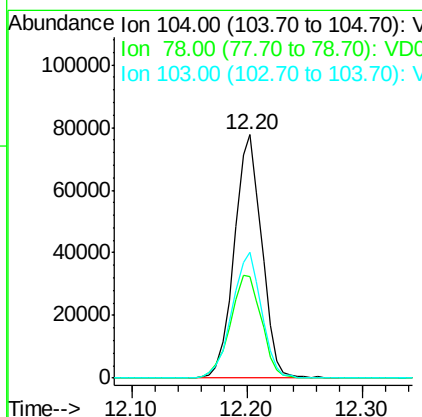
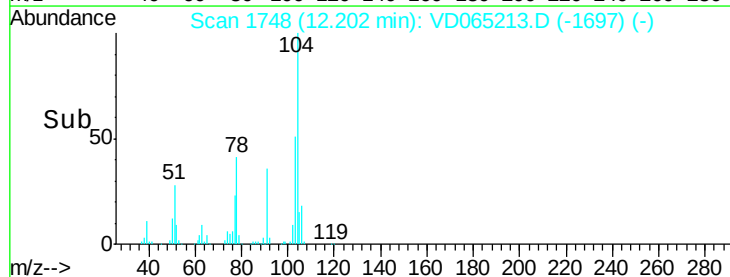
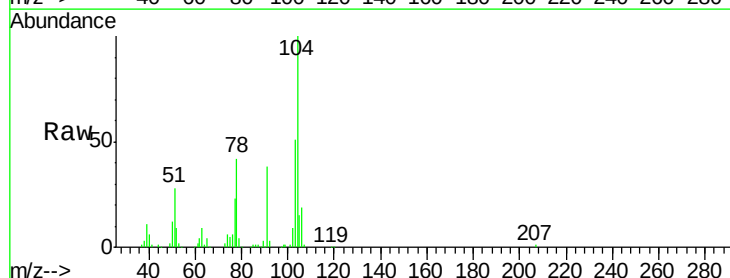
Manual Integrations
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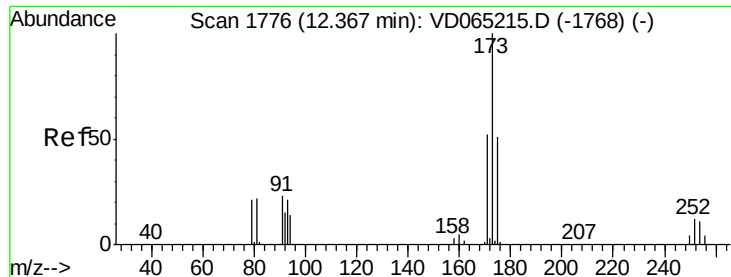
MMDadoda
2/19/2020 1:44:03 PM



#70
Styrene
Concen: 10.328 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	47.9	37.8	56.6
103	103	55.4	43.4	65.2





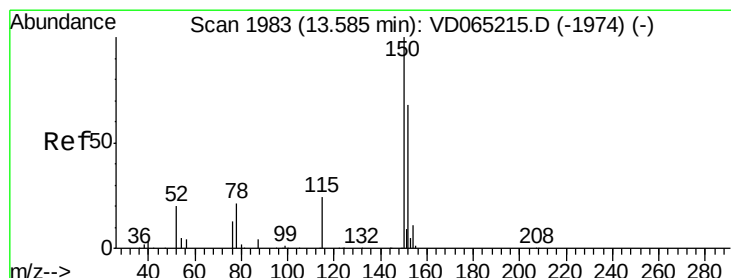
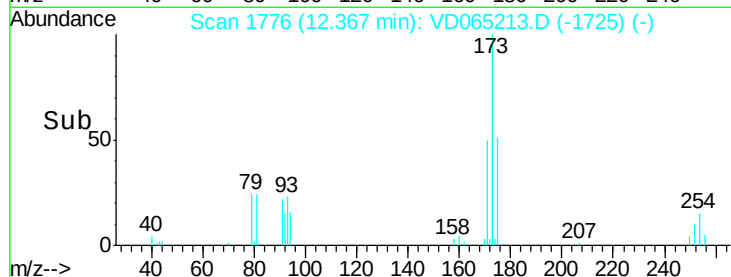
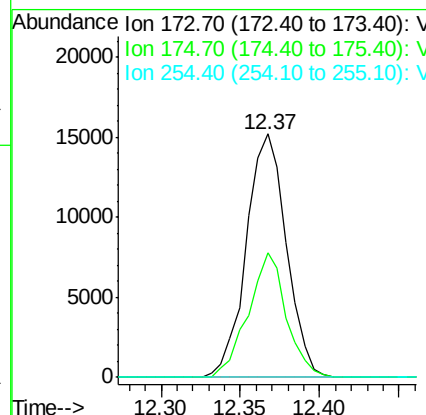
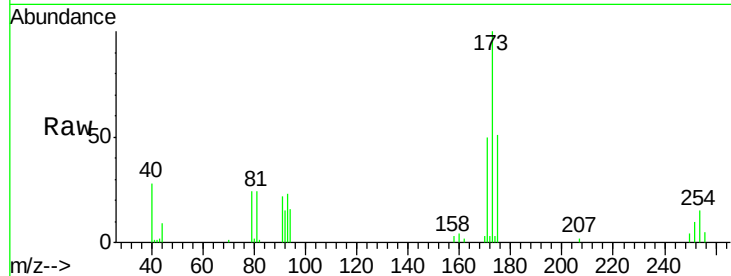
#71
Bromoform
Concen: 10.967 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.4	73.4
254	0.0	0.0	0.0

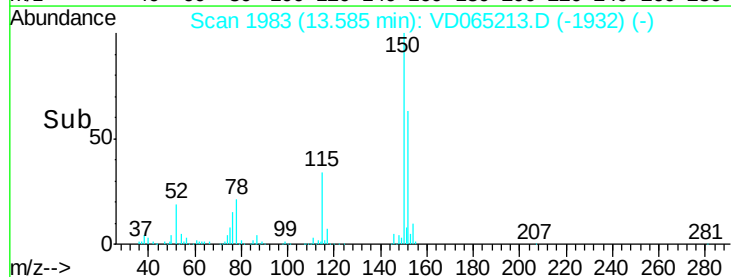
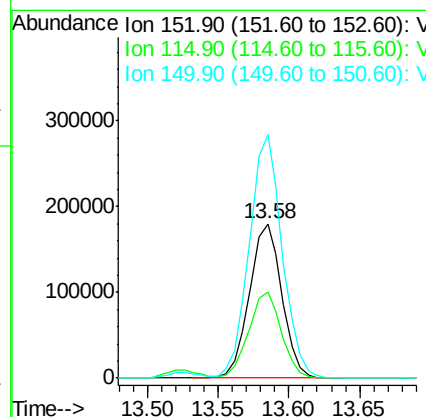
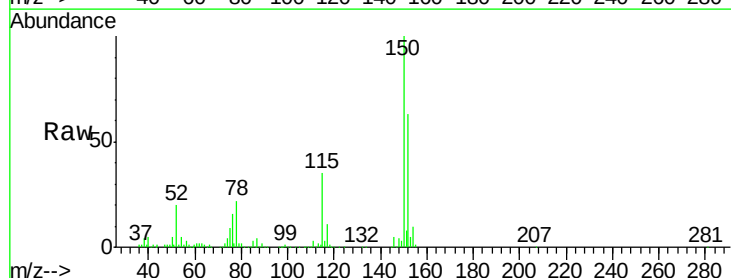
Manual Integrations
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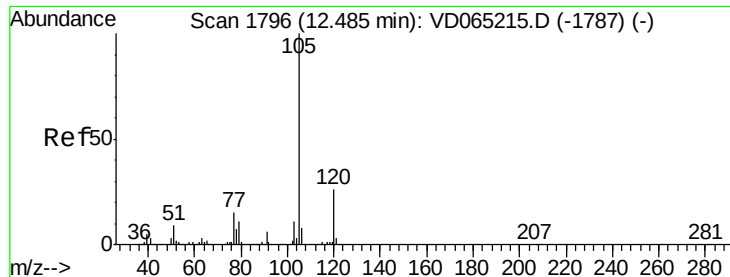
MMDadoda
2/19/2020 1:44:03 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.6	82.8
150	160.7	0.0	347.4





#73

Isopropylbenzene

Concen: 10.182 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 195324

Ion Ratio Lower Upper

105 100

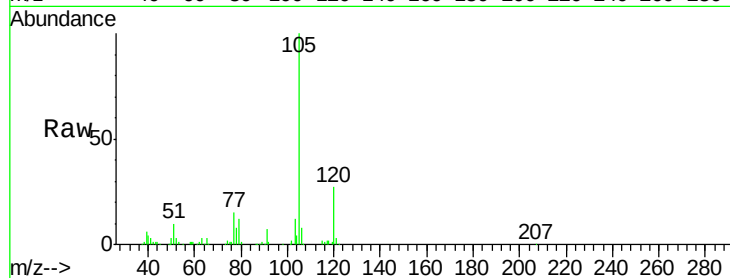
120 26.8 13.3 39.9

Manual Integrations

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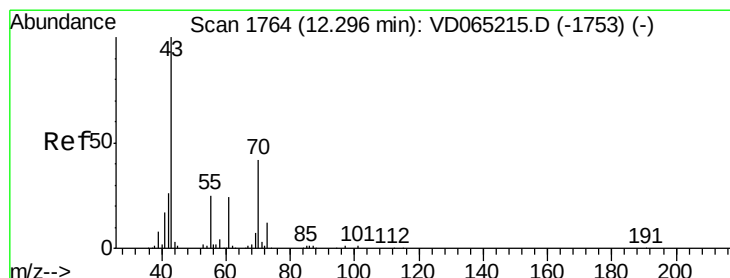
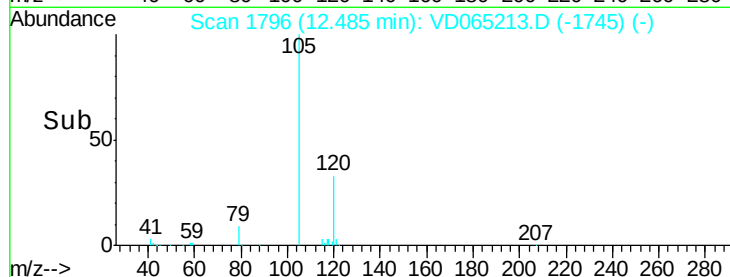
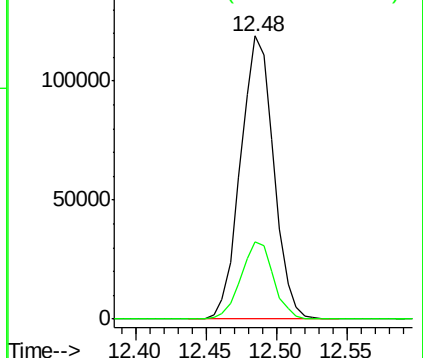
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 9.871 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Tgt Ion: 43 Resp: 42077

Ion Ratio Lower Upper

43 100

70 44.8 33.7 50.5

55 28.8 20.7 31.1

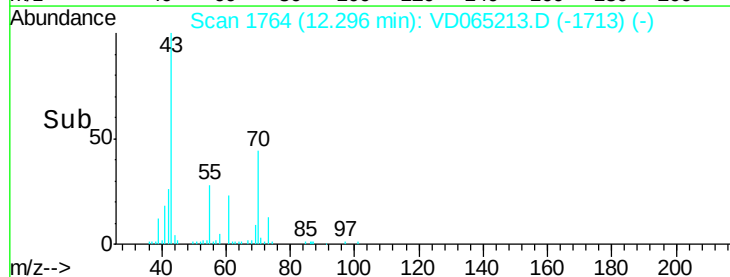
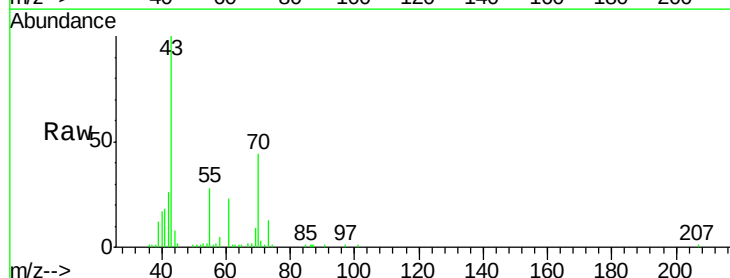
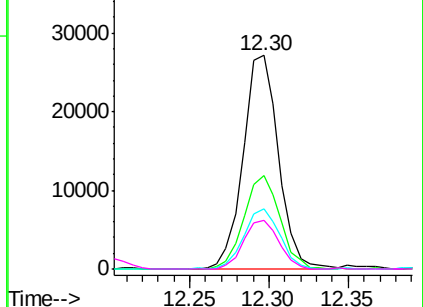
61 22.7 19.0 28.4

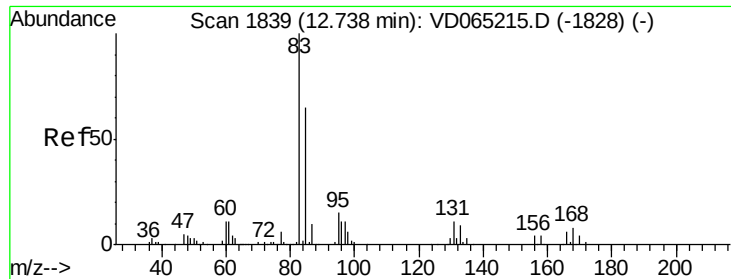
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 11.052 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Instrument :

MSVOA_D

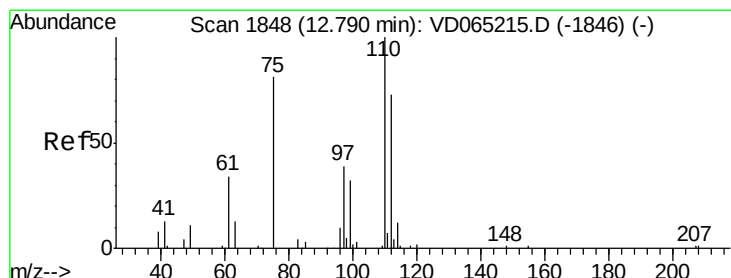
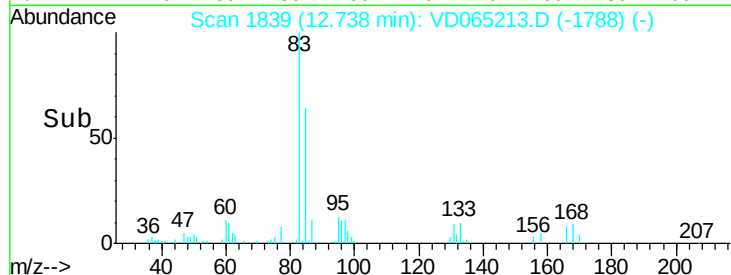
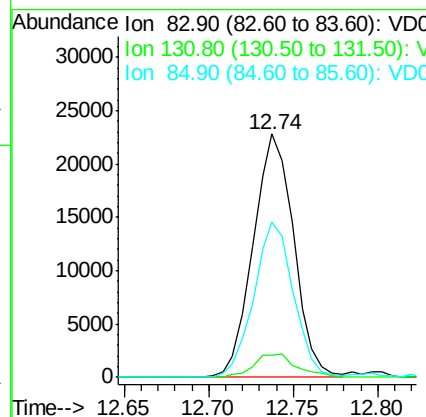
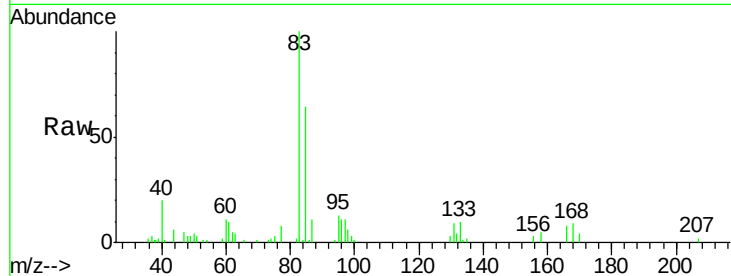
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	38265
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.4	16.2
85	62.2	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 6.046 ug/l m

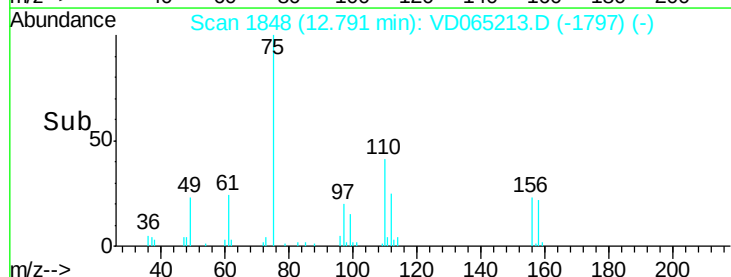
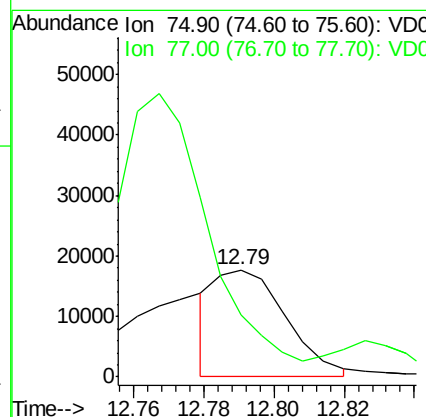
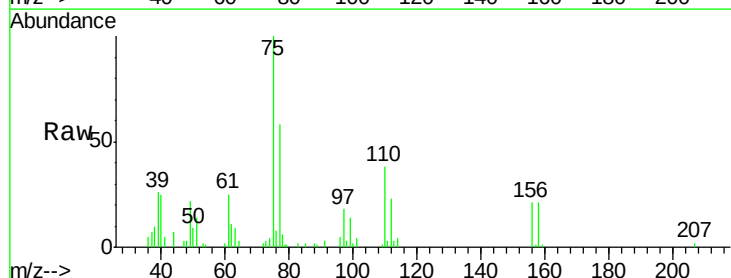
RT: 12.79 min Scan# 1848

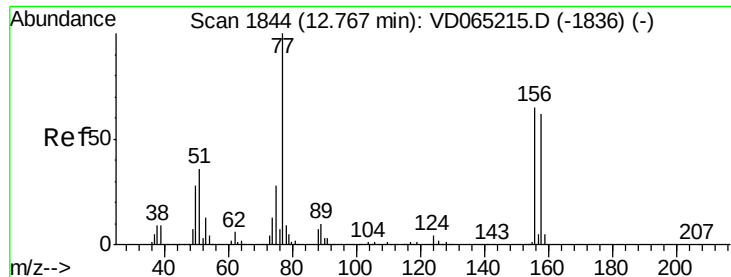
Delta R.T. 0.00 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Tgt Ion:	75	Resp:	25106
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 10.637 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Instrument :

MSVOA_D

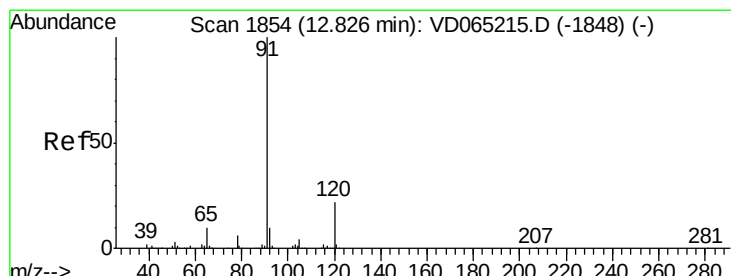
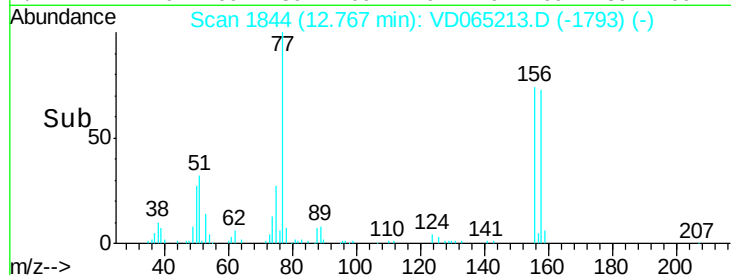
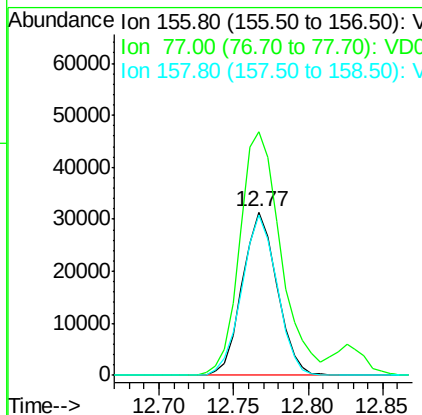
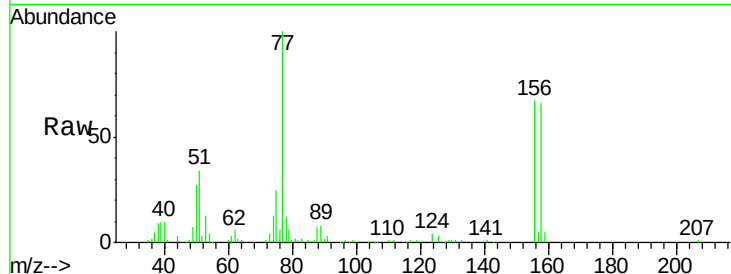
ClientSampleId :

VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	175.4	86.6	259.7	
158	99.0	48.1	144.3	

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#78

n-propylbenzene

Concen: 10.334 ug/l

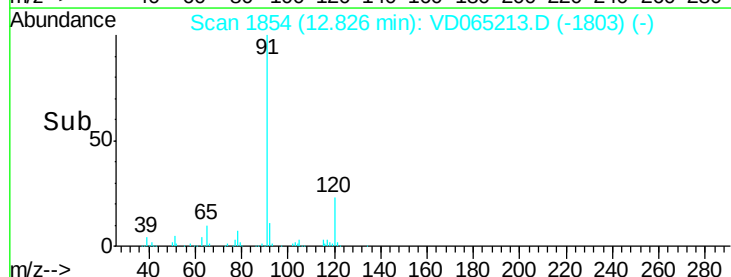
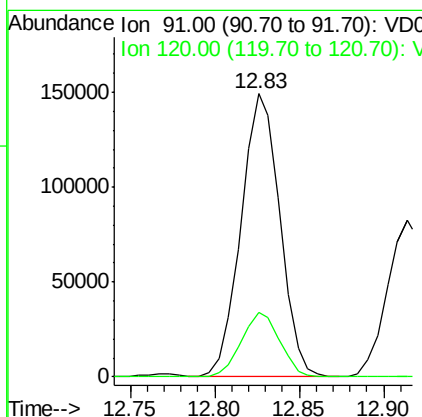
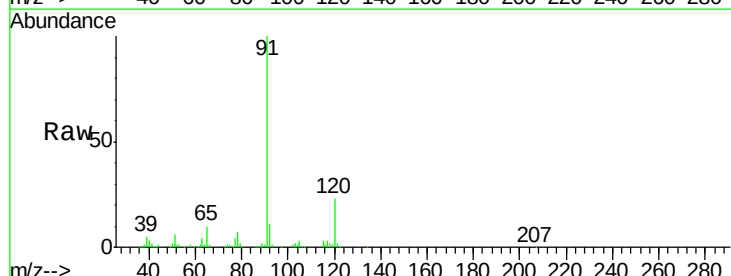
RT: 12.83 min Scan# 1854

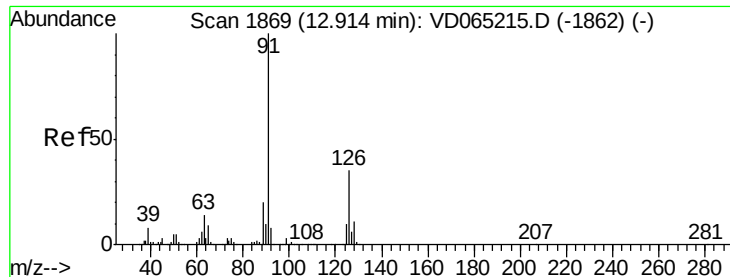
Delta R.T. 0.00 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.6	11.5	34.5	





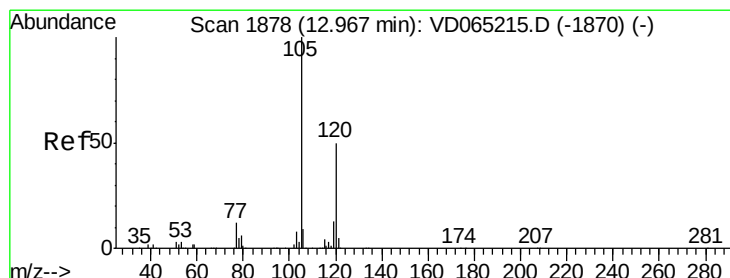
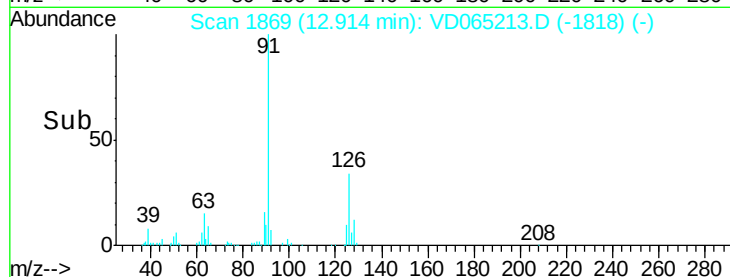
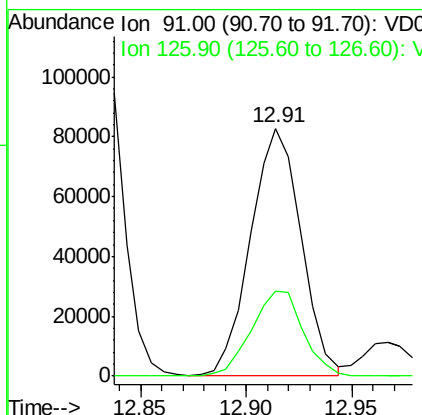
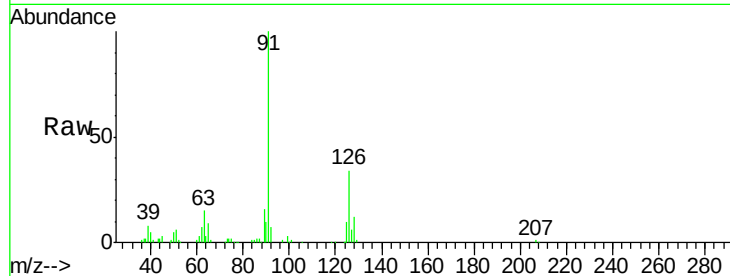
#79
2-Chlorotoluene
Concen: 10.618 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.5	52.6

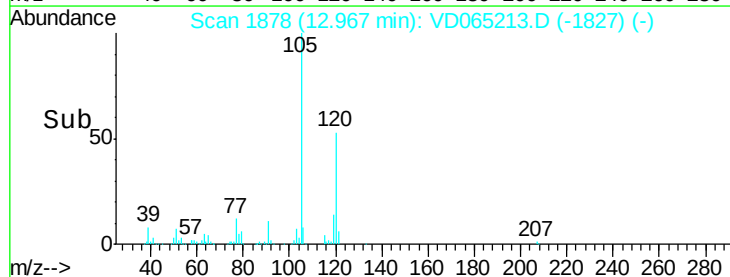
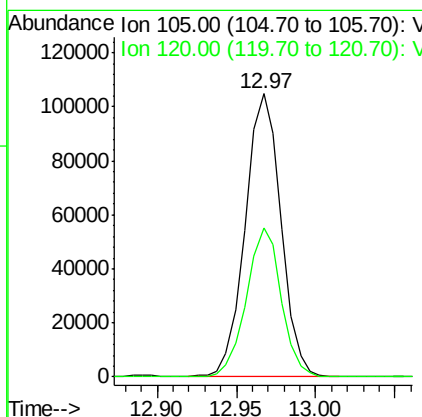
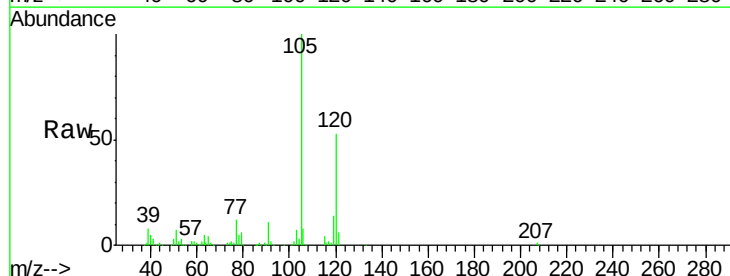
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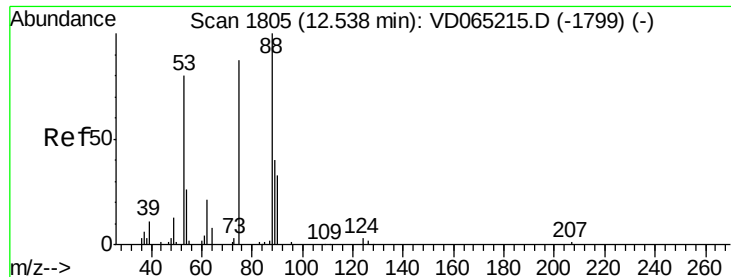
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 10.335 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.7	25.4	76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 10.178 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Instrument :

MSVOA_D

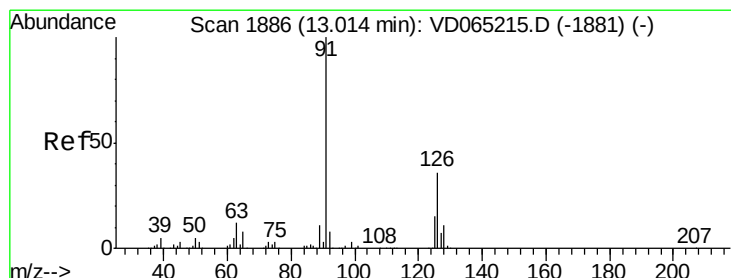
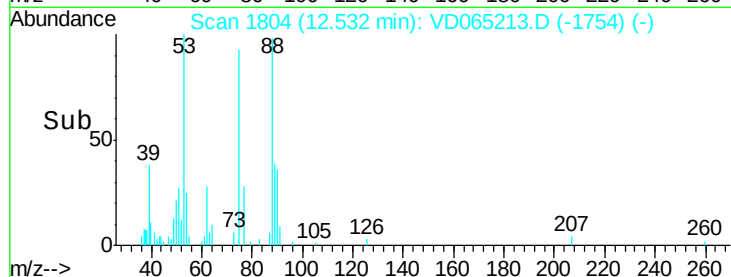
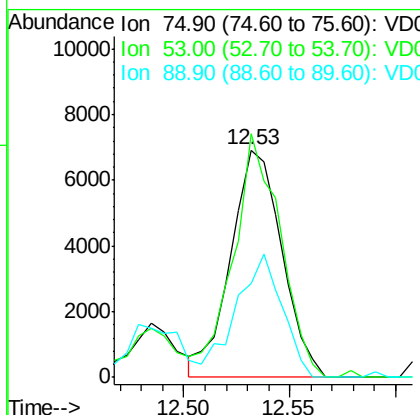
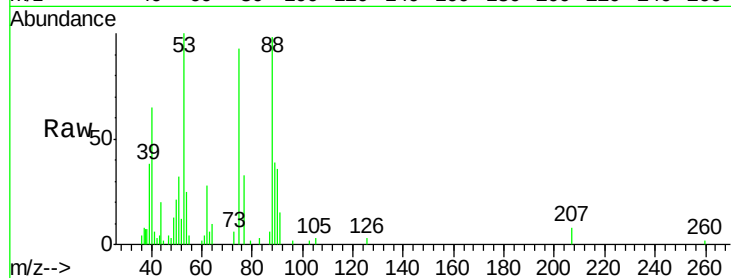
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	11622
Ion	Ratio	Lower	Upper
75	100		
53	98.8	77.6	116.4
89	48.7	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 10.879 ug/l

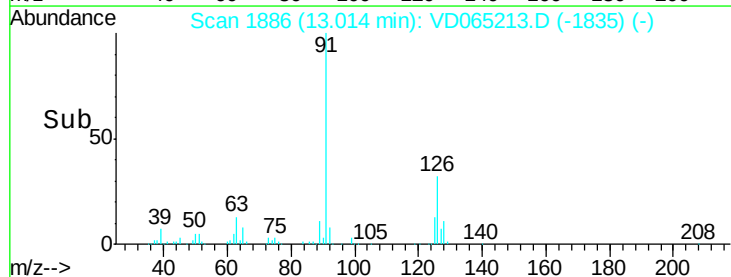
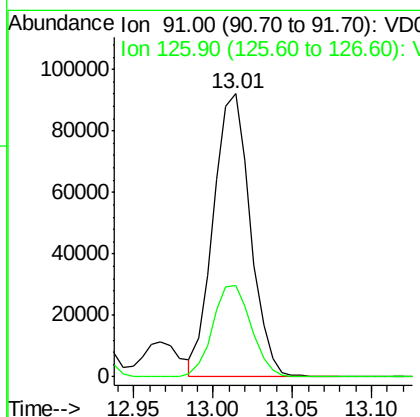
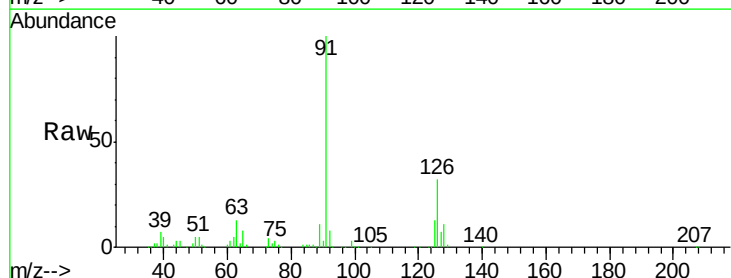
RT: 13.01 min Scan# 1886

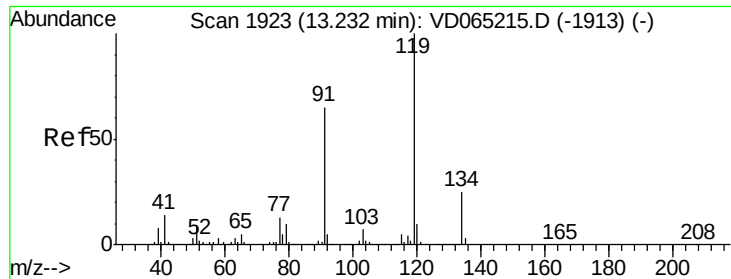
Delta R.T. 0.00 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Tgt Ion:	91	Resp:	149167
Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.4	52.3





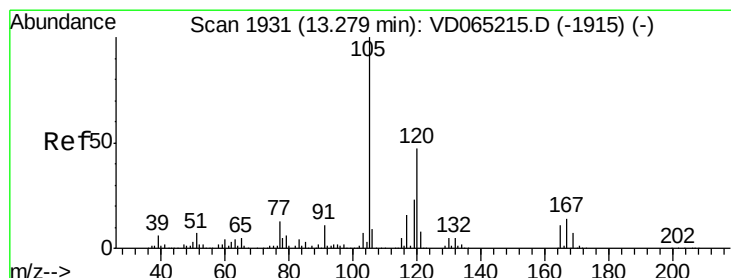
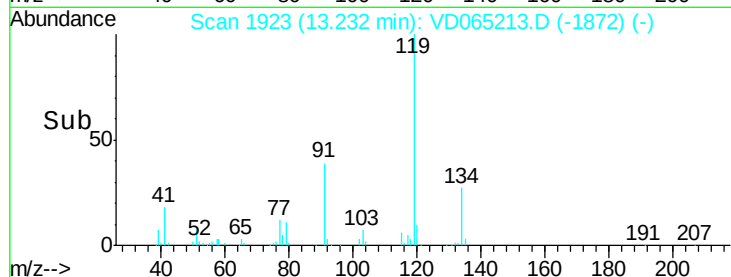
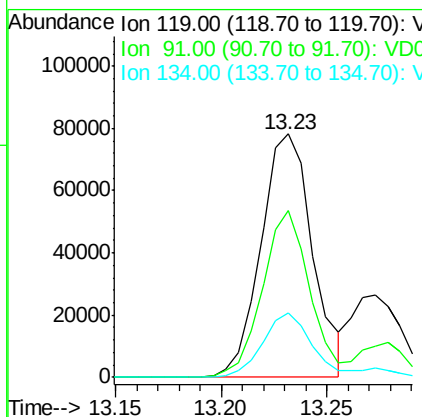
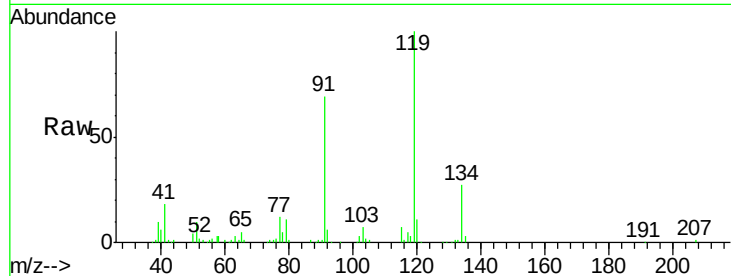
#83
 tert-Butylbenzene
 Concen: 10.060 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065213.D
 Acq: 18 Feb 2020 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	133218		
91	62.3		31.9	95.5
134	25.2		13.8	41.3

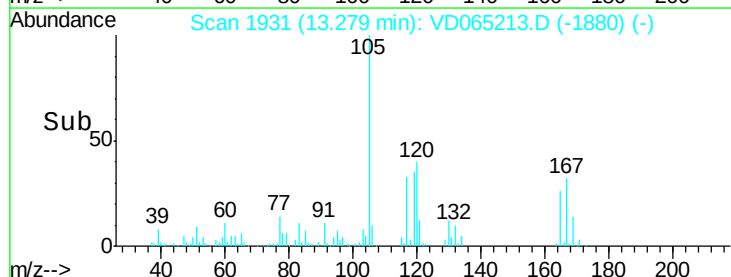
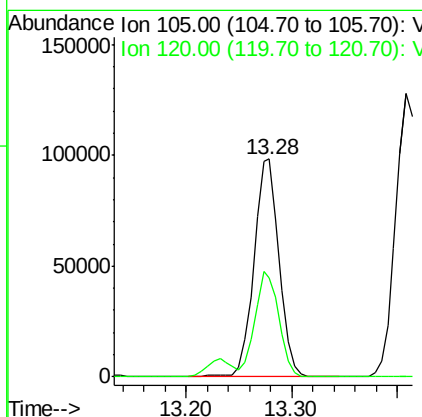
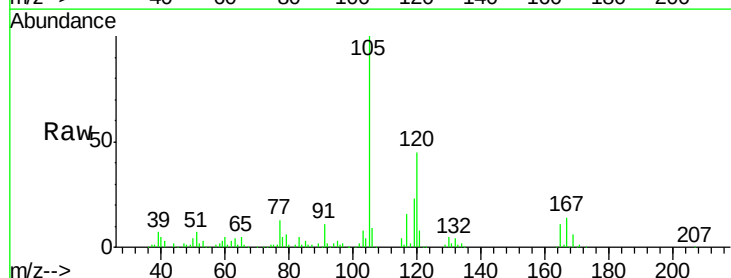
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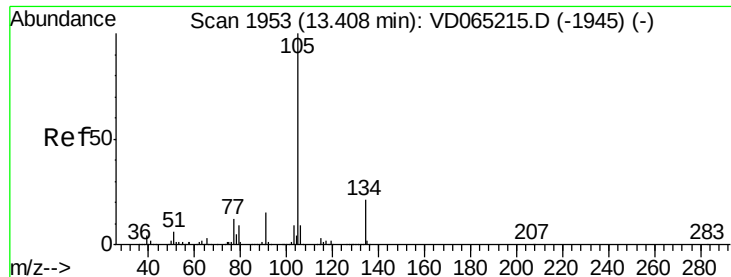
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#84
 1,2,4-Trimethylbenzene
 Concen: 10.329 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065213.D
 Acq: 18 Feb 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	163355		
120	46.3		23.3	69.9





#85

sec-Butylbenzene

Concen: 10.399 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

Instrument :

MSVOA_D

ClientSampled :

VSTDIC010

Tot Ion:105 Resp: 198440

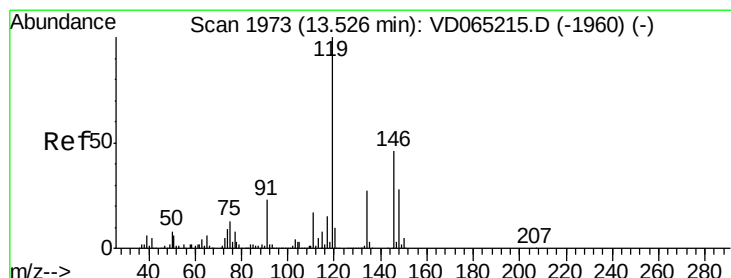
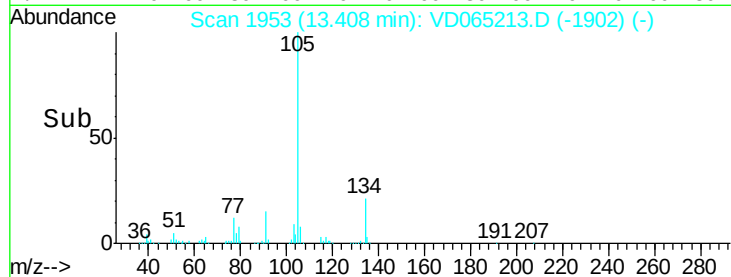
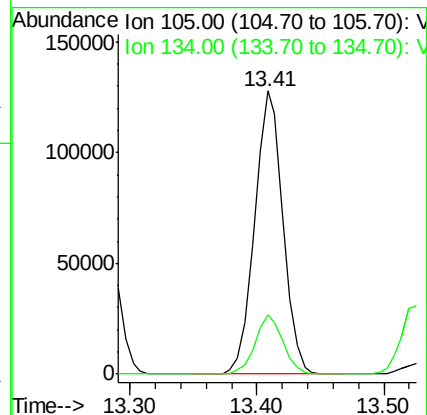
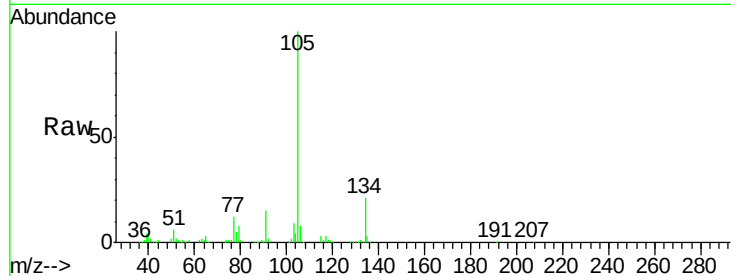
Ion Ratio Lower Upper

105 100

134 20.5 10.3 30.9

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#86

p-Isopropyltoluene

Concen: 10.104 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065213.D

Acq: 18 Feb 2020 11:02

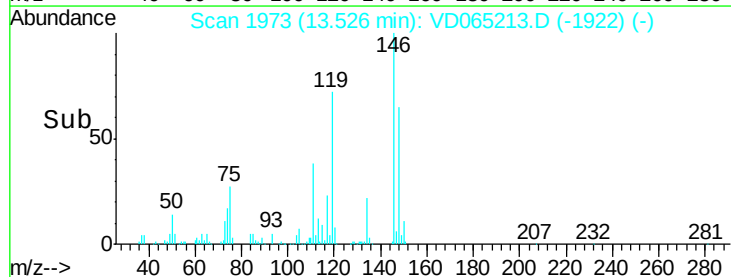
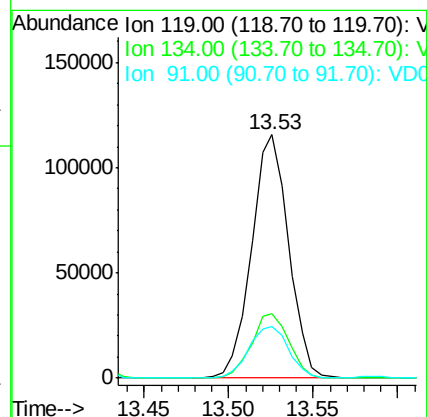
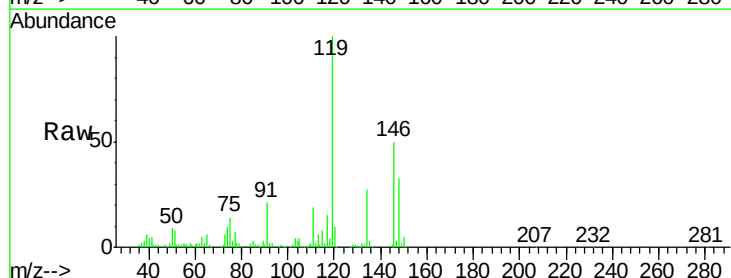
Tgt Ion:119 Resp: 176321

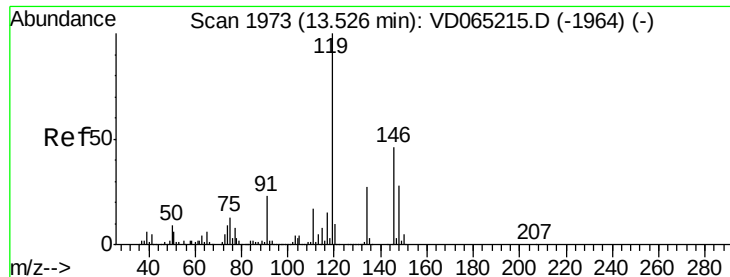
Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

91 23.3 11.1 33.1





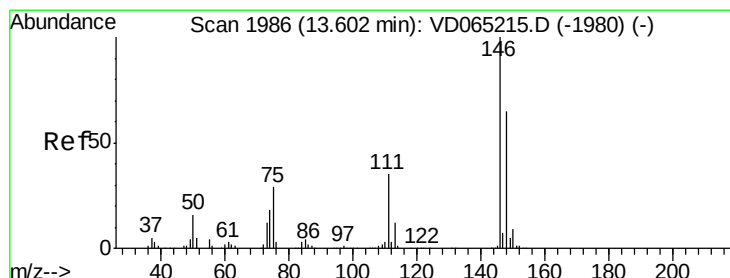
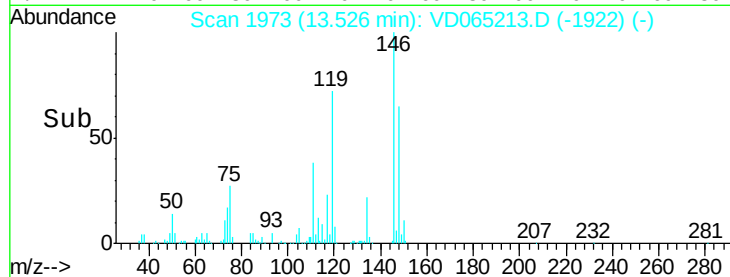
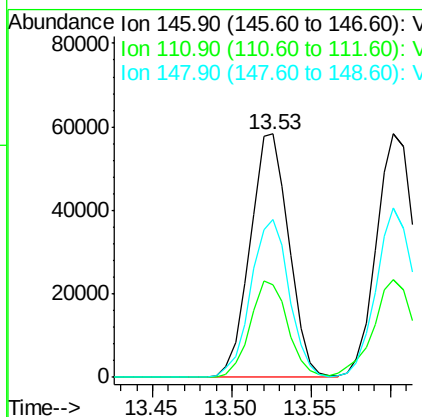
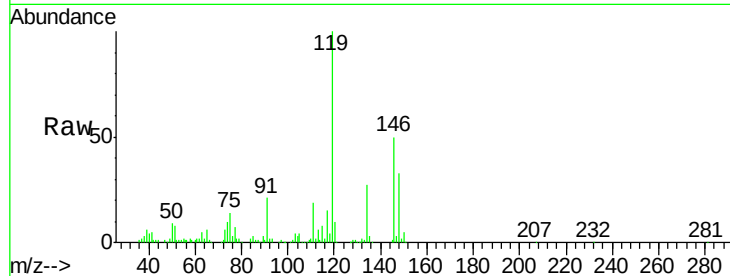
#87
 1,3-Dichlorobenzene
 Concen: 10.801 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065213.D
 Acq: 18 Feb 2020 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.6	55.8
148	64.1	31.4	94.3

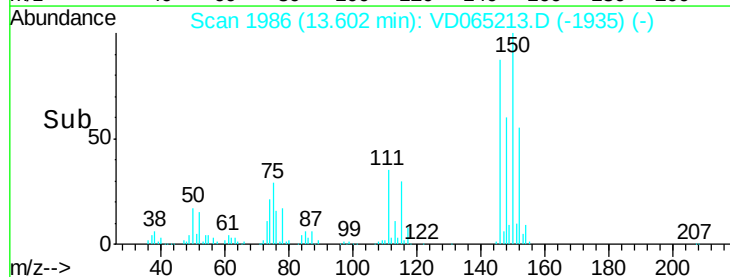
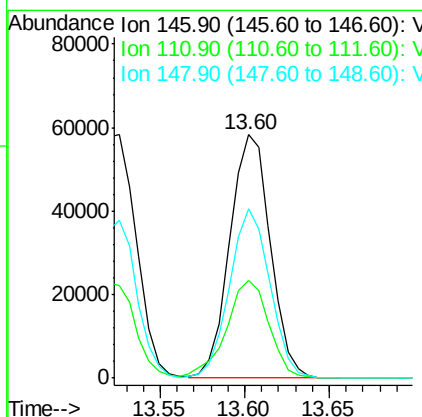
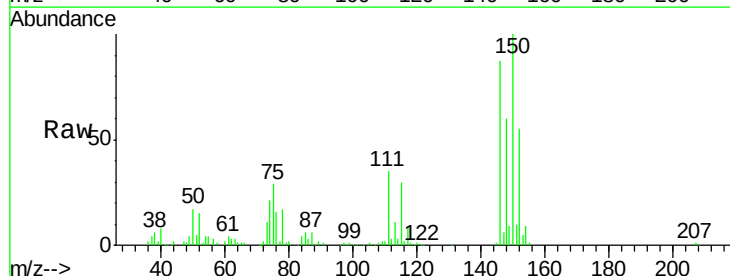
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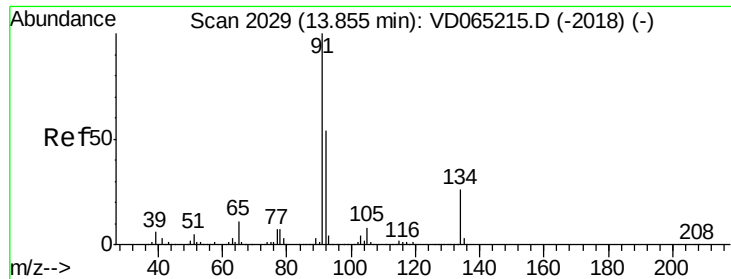
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#88
 1,4-Dichlorobenzene
 Concen: 10.713 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065213.D
 Acq: 18 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	18.4	55.2
148	69.2	32.1	96.5





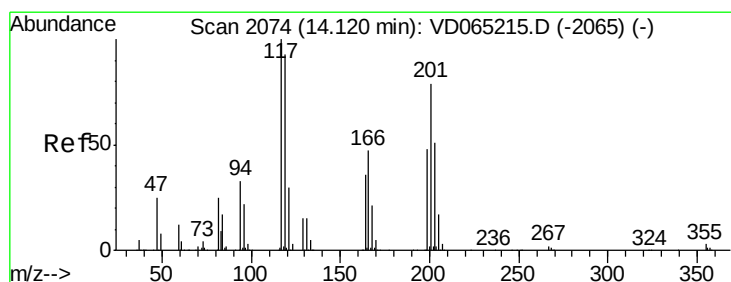
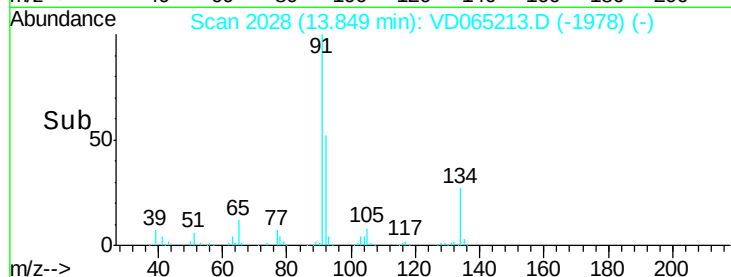
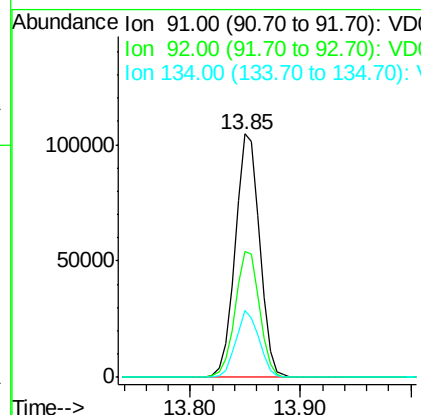
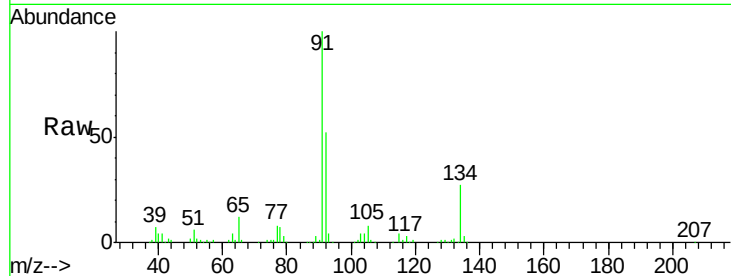
#89
n-Butylbenzene
Concen: 10.111 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
91	100	162590		
92	51.6		27.0	80.8
134	26.1		13.5	40.4

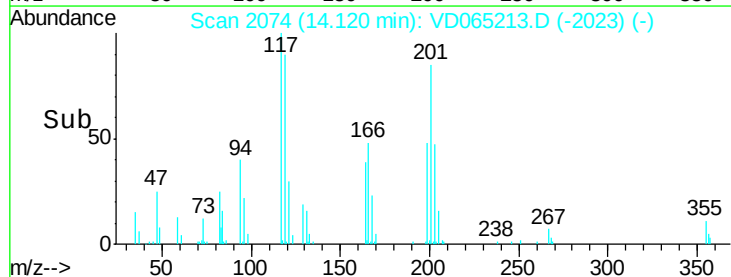
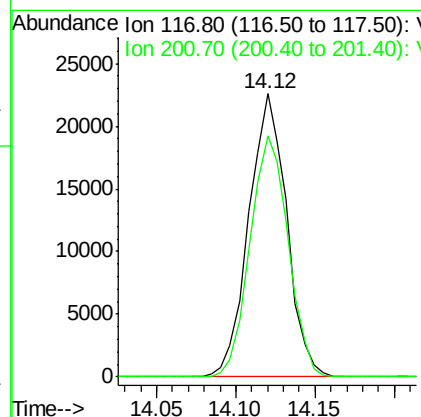
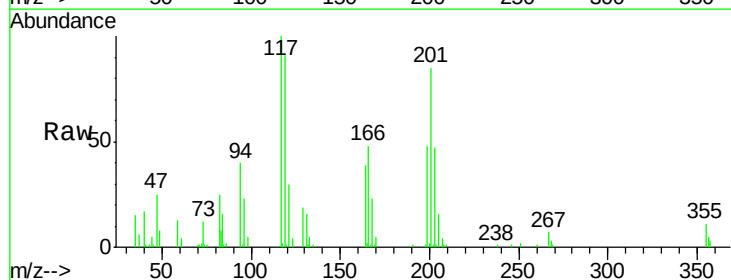
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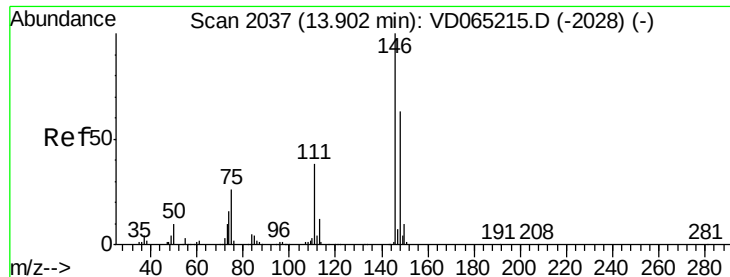
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#90
Hexachloroethane
Concen: 10.558 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	37410		
201	85.8		41.3	124.1





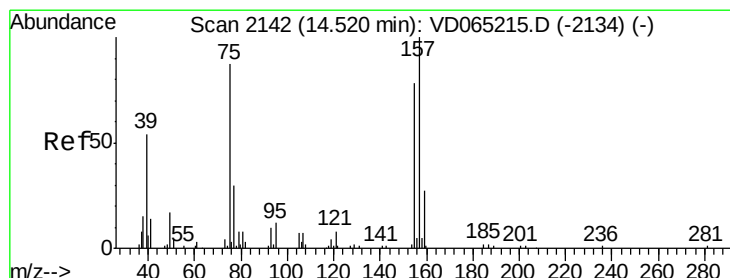
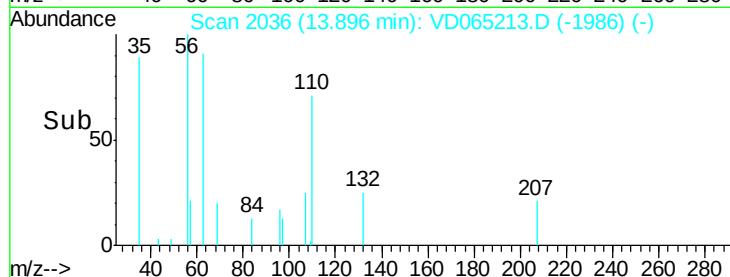
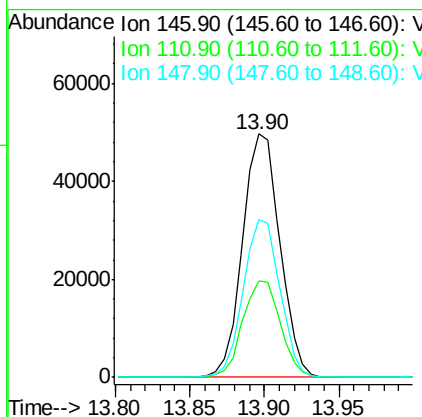
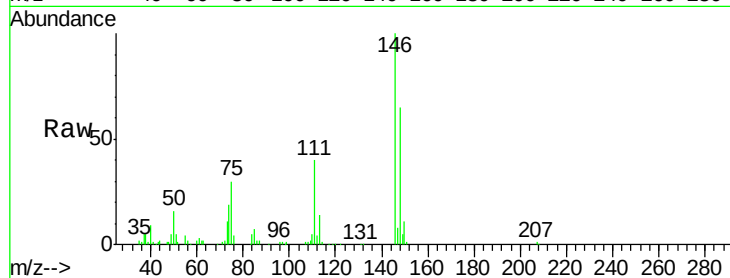
#91
 1,2-Dichlorobenzene
 Concen: 10.892 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065213.D
 Acq: 18 Feb 2020 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.7	59.0
148	63.4	32.0	96.2

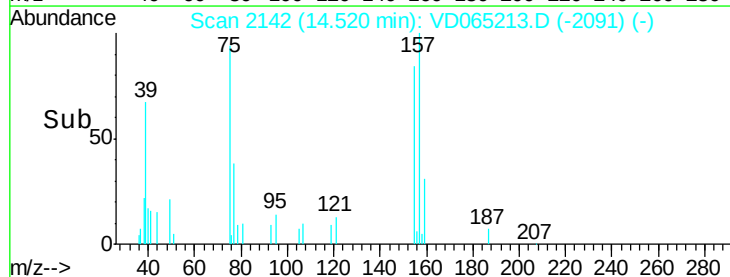
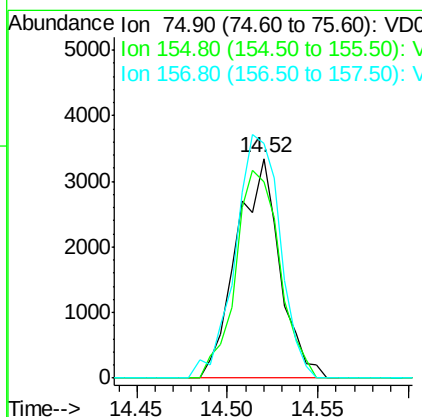
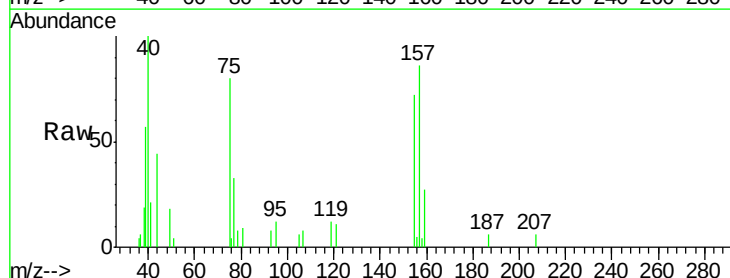
Manual Integrations
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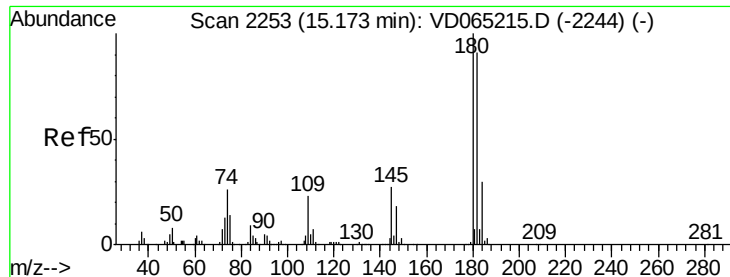
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.449 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065213.D
 Acq: 18 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	42.3	126.9
157	114.7	56.7	170.1





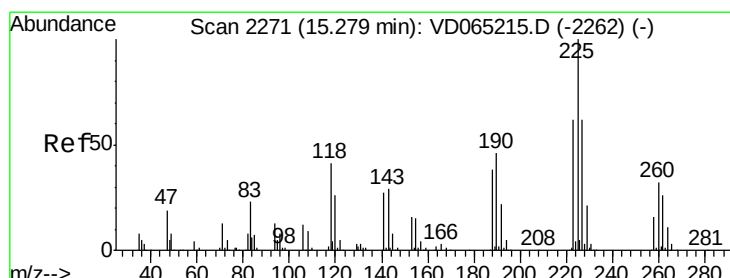
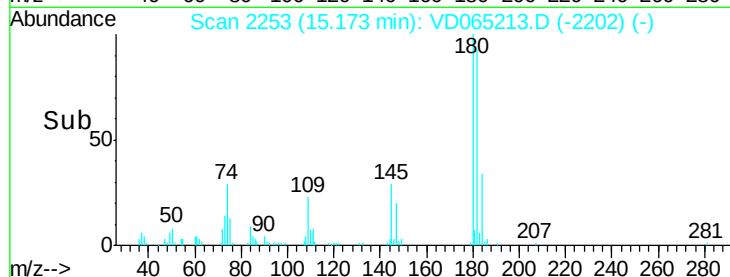
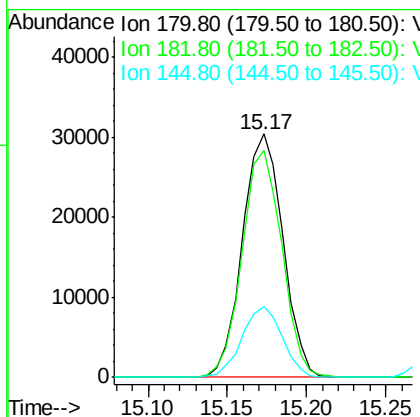
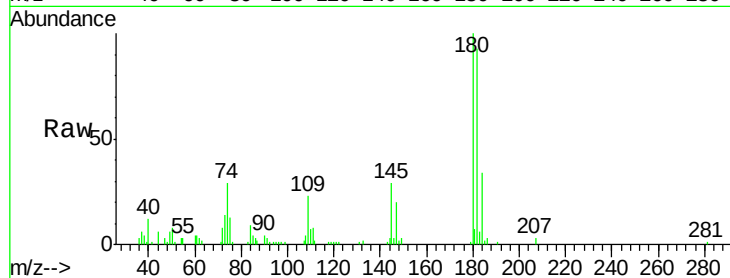
#93
 1,2,4-Trichlorobenzene
 Concen: 10.454 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065213.D
 Acq: 18 Feb 2020 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.4	46.9	140.6
145	29.0	13.9	41.7

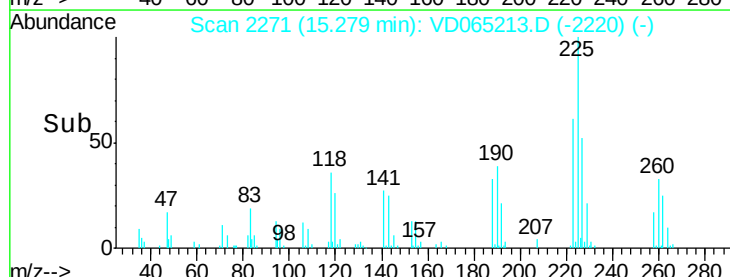
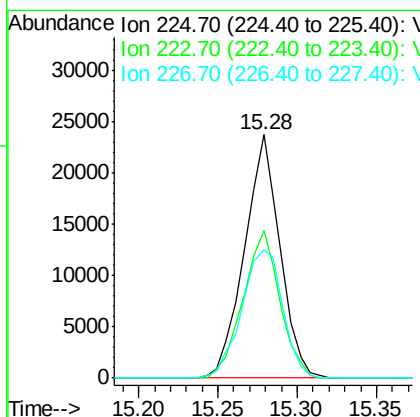
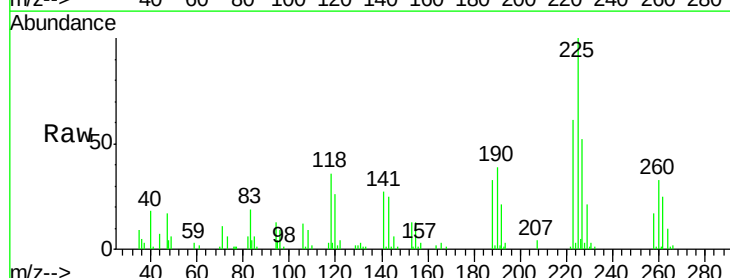
Manual Integrations
 APPROVED

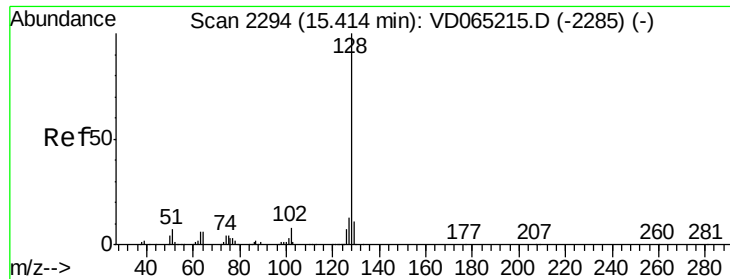
MMDadoda
 2/19/2020 1:44:03 PM



#94
 Hexachlorobutadiene
 Concen: 11.080 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065213.D
 Acq: 18 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.4	94.2
227	60.9	31.7	95.1





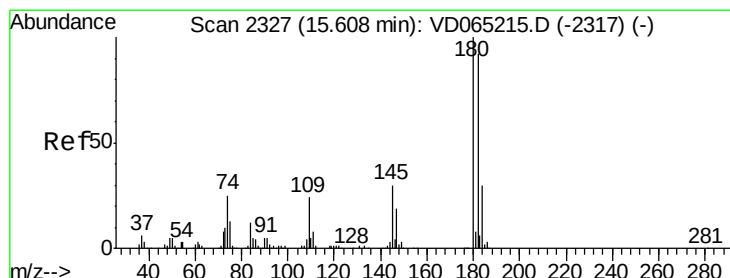
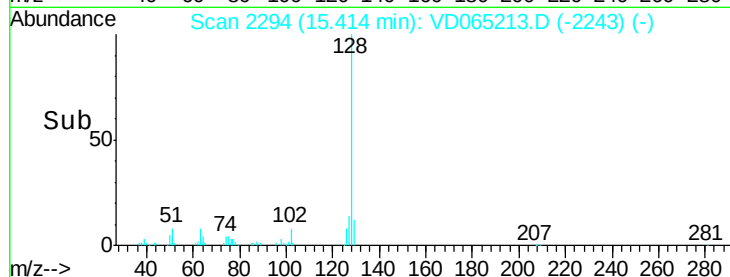
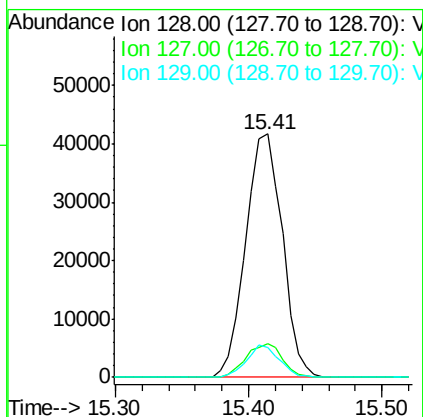
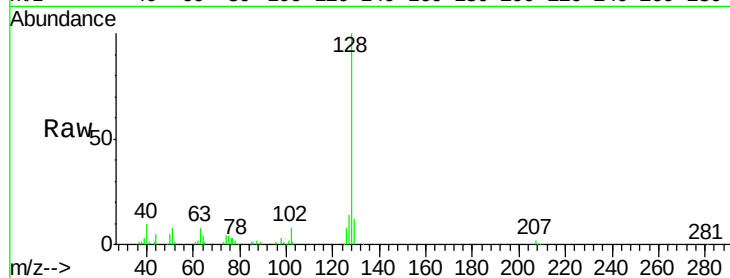
#95
Naphthalene
Concen: 9.399 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	11.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:44:03 PM



#96
1,2,3-Trichlorobenzene
Concen: 10.267 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD065213.D
Acq: 18 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.9	140.6
145	30.3	15.4	46.1

