

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065287.D
 Acq On : 24 Feb 2020 11:41
 Operator : VA/SY
 Sample : VD0224SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0224SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/25/2020 5:15:26 PM

Quant Time: Feb 25 01:35:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	506126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	767568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	689702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	337945	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	218899	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
35) Dibromofluoromethane	7.92	113	227088	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
50) Toluene-d8	10.34	98	895910	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	12.64	95	291689	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	75142	17.701	ug/l	98
3) Chloromethane	2.21	50	100974	18.688	ug/l	98
4) Vinyl Chloride	2.35	62	101746	18.518	ug/l	97
5) Bromomethane	2.76	94	62574	18.836	ug/l	95
6) Chloroethane	2.92	64	62049	18.501	ug/l	97
7) Trichlorofluoromethane	3.27	101	149791	19.042	ug/l	97
8) Diethyl Ether	3.71	74	46997	19.793	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	97328	19.593	ug/l	97
10) Methyl Iodide	4.30	142	97718	18.946	ug/l	99
11) Tert butyl alcohol	5.24	59	32548	119.627	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	93977	20.027	ug/l	96
13) Acrolein	3.93	56	41016	106.248	ug/l	99
14) Allyl chloride	4.71	41	152990	20.077	ug/l	97
15) Acrylonitrile	5.43	53	106771	101.566	ug/l	99
16) Acetone	4.17	43	102260	91.877	ug/l	98
17) Carbon Disulfide	4.40	76	302090	19.202	ug/l	98
18) Methyl Acetate	4.73	43	53774	21.482	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	193304	19.754	ug/l	100
20) Methylene Chloride	4.96	84	113085	20.063	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	107370	20.127	ug/l	97
22) Diisopropyl ether	6.37	45	298828	20.342	ug/l	97
23) Vinyl Acetate	6.31	43	794234	98.070	ug/l	99
24) 1,1-Dichloroethane	6.27	63	181416	19.910	ug/l	97
25) 2-Butanone	7.23	43	131768	93.572	ug/l	98
26) 2,2-Dichloropropane	7.21	77	156836	19.838	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	112422	19.895	ug/l	99
28) Bromochloromethane	7.55	49	63332	18.735	ug/l	98
29) Tetrahydrofuran	7.57	42	84204	102.053	ug/l	98
30) Chloroform	7.71	83	183537	19.993	ug/l	97
31) Cyclohexane	7.98	56	176462	19.711	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	163252	19.876	ug/l	99
36) 1,1-Dichloropropene	8.11	75	146035	19.553	ug/l	99
37) Ethyl Acetate	7.30	43	59719	19.127	ug/l	99
38) Carbon Tetrachloride	8.10	117	149891	19.715	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	172617	19.660	ug/l	98
40) Benzene	8.36	78	418844	19.869	ug/l	100
41) Methacrylonitrile	7.53	41	32763	18.174	ug/l	98
42) 1,2-Dichloroethane	8.43	62	109504	18.895	ug/l	98
43) Isopropyl Acetate	8.46	43	110537	19.469	ug/l	99
44) Trichloroethene	9.11	130	118056	20.203	ug/l	94
45) 1,2-Dichloropropane	9.39	63	104012	19.843	ug/l	98
46) Dibromomethane	9.48	93	54527	20.217	ug/l	99
47) Bromodichloromethane	9.67	83	138250	19.451	ug/l	97
48) Methyl methacrylate	9.46	41	51487	19.619	ug/l	96
49) 1,4-Dioxane	9.47	88	13082	413.567	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	285623	99.047	ug/l	100
52) Toluene	10.41	92	271394	20.799	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	133343	20.240	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	156378	19.657	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	75809	19.970	ug/l	96
56) Ethyl methacrylate	10.67	69	88442	20.185	ug/l	98
57) 1,3-Dichloropropane	10.95	76	129311	20.015	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	133599	96.715	ug/l	99
59) 2-Hexanone	10.99	43	198672	96.243	ug/l	97
60) Dibromochloromethane	11.14	129	94995	19.552	ug/l	98
61) 1,2-Dibromoethane	11.25	107	72459	20.160	ug/l	99
64) Tetrachloroethene	10.88	164	100675	20.581	ug/l	98
65) Chlorobenzene	11.67	112	283119	20.456	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	102328	19.812	ug/l	98
67) Ethyl Benzene	11.75	91	489793	20.206	ug/l	99
68) m/p-Xylenes	11.86	106	386566	41.682	ug/l	98
69) o-Xylene	12.18	106	168496	20.507	ug/l	100
70) Styrene	12.20	104	301588	20.674	ug/l	99
71) Bromoform	12.37	173	58435	20.389	ug/l #	99
73) Isopropylbenzene	12.48	105	467867	20.912	ug/l	100
74) N-amyl acetate	12.30	43	96989	19.509	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	84059	20.817	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	53220m	18.509	ug/l	
77) Bromobenzene	12.77	156	114795	20.662	ug/l	100
78) n-propylbenzene	12.83	91	558151	20.759	ug/l	99
79) 2-Chlorotoluene	12.91	91	312064	20.718	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	386713	20.986	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	26808	20.131	ug/l	93
82) 4-Chlorotoluene	13.01	91	329183	20.586	ug/l	100
83) tert-Butylbenzene	13.23	119	315914	20.455	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	382952	20.762	ug/l	99
85) sec-Butylbenzene	13.41	105	460680	20.700	ug/l	99
86) p-Isopropyltoluene	13.53	119	421891	20.730	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	217751	20.274	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	213799	20.169	ug/l	99
89) n-Butylbenzene	13.86	91	387268	20.650	ug/l	100
90) Hexachloroethane	14.12	117	82959	20.075	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	188634	20.454	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12248	19.683	ug/l	93

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Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	124498	20.638	ug/l	98
94) Hexachlorobutadiene	15.28	225	78652	20.325	ug/l	99
95) Naphthalene	15.41	128	203605	20.762	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	110313	20.938	ug/l	99

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

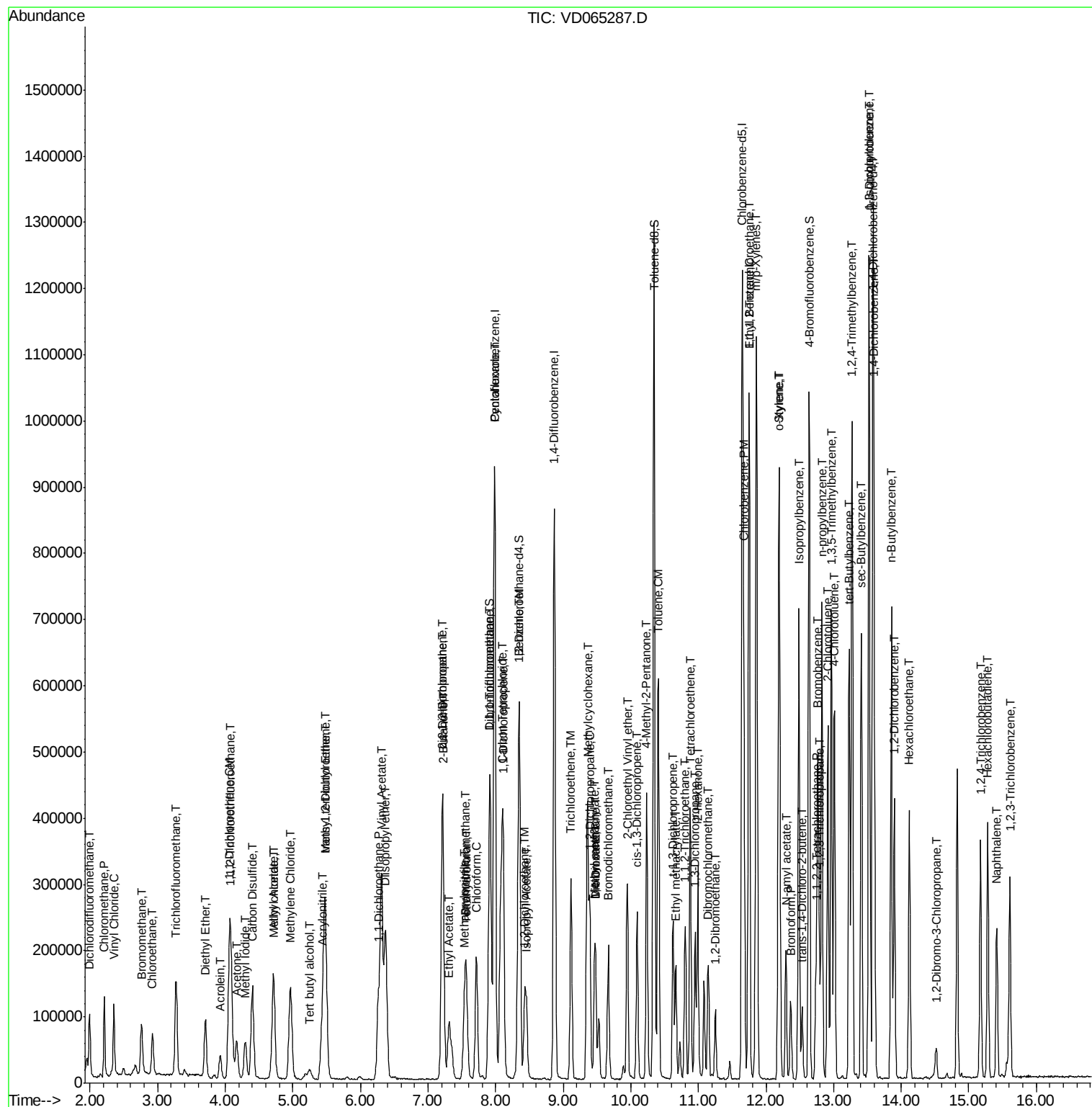
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022420\
Data File : VD065287.D
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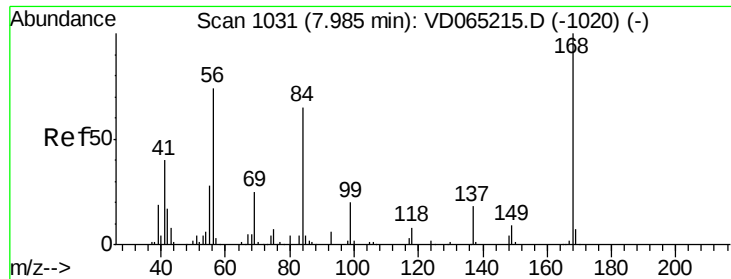
Instrument :
MSVOA_D
ClientSampleId :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0224SBSD01

Tot Ion:168 Resp: 506126

Ion Ratio Lower Upper

168 100

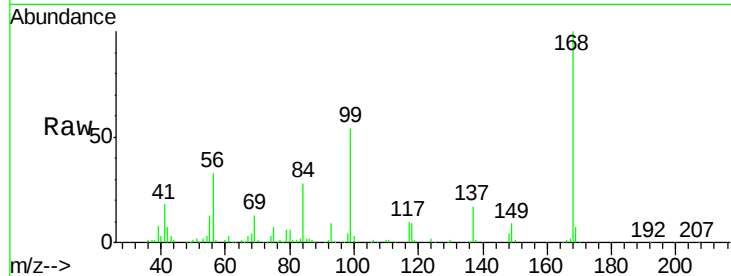
99 54.3 41.4 62.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

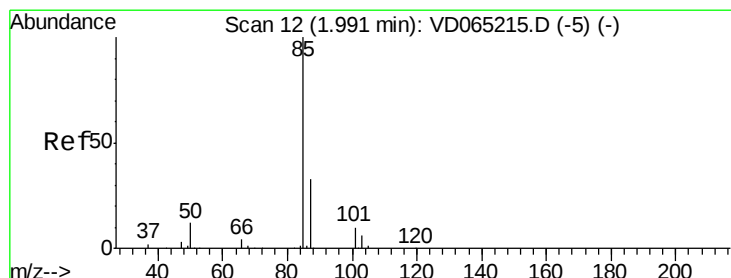
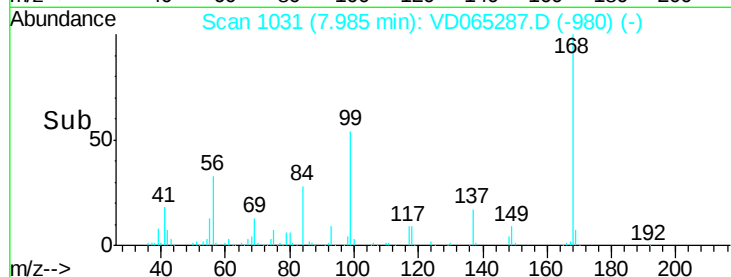
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.701 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065287.D

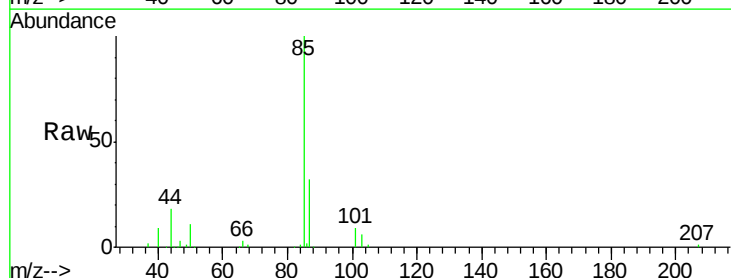
Acq: 24 Feb 2020 11:41

Tgt Ion: 85 Resp: 75142

Ion Ratio Lower Upper

85 100

87 31.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

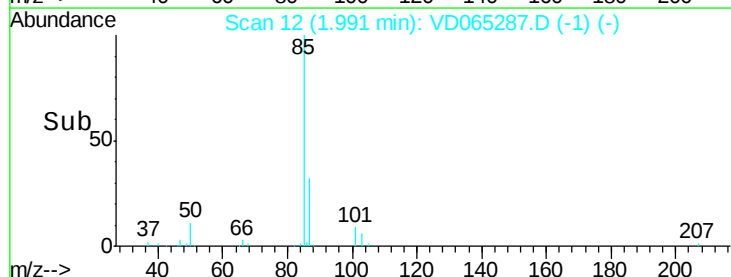
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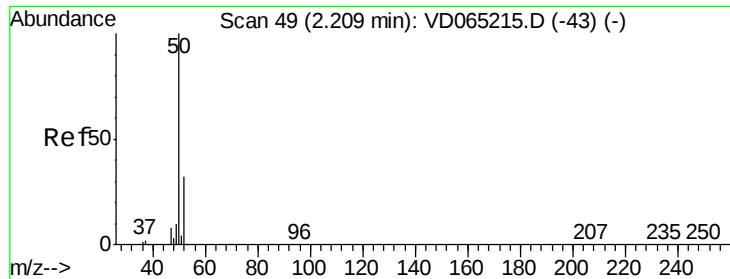
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0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 18.688 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0224SBS01

Tot Ion: 50 Resp: 100974

Ion Ratio Lower Upper

50 100

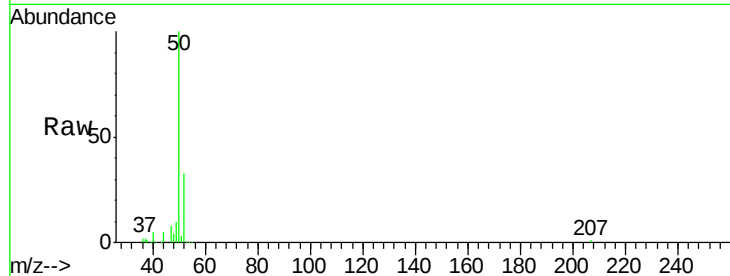
52 33.0 25.5 38.3

Manual Integrations

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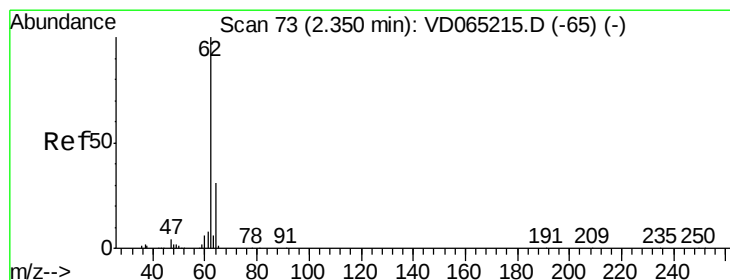
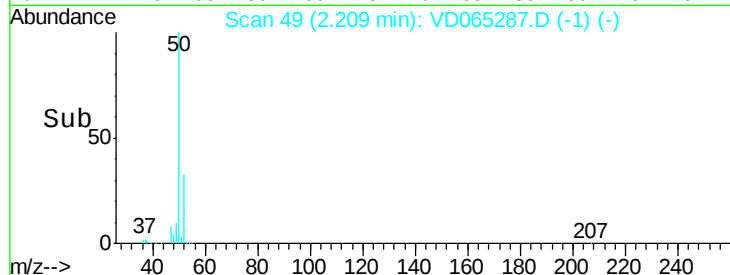
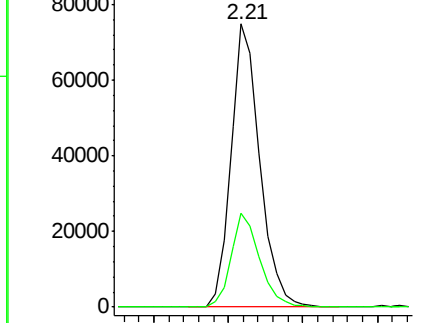
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.518 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065287.D

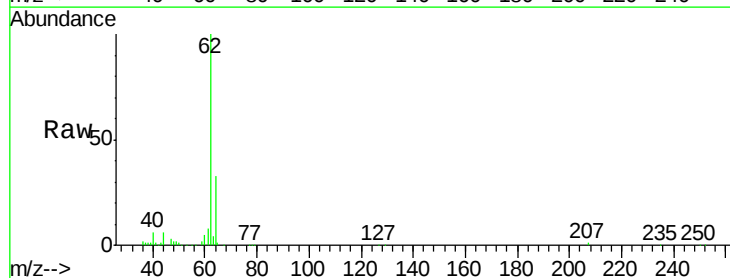
Acq: 24 Feb 2020 11:41

Tgt Ion: 62 Resp: 101746

Ion Ratio Lower Upper

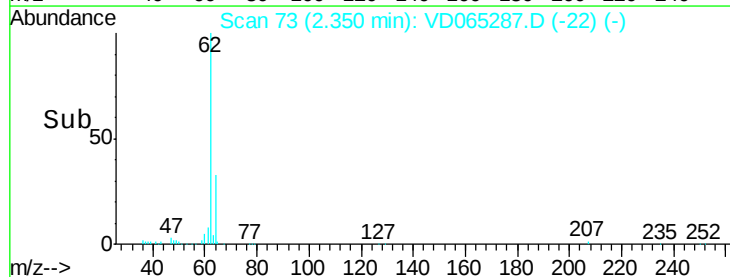
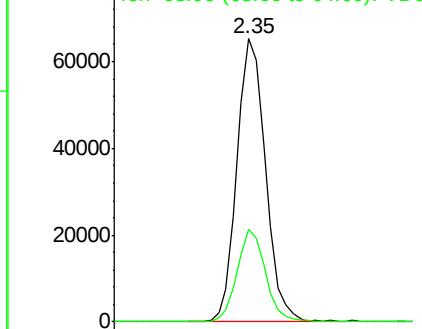
62 100

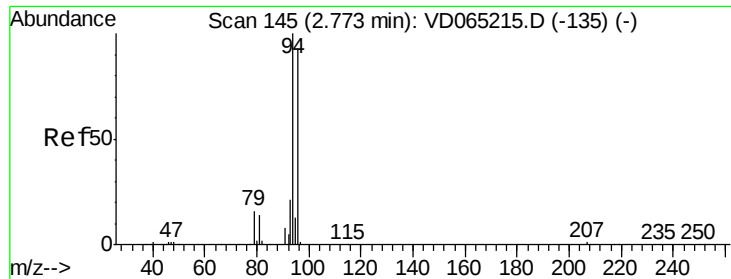
64 32.7 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 18.836 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0224SBS01

Tot Ion: 94 Resp: 62574

Ion Ratio Lower Upper

94 100

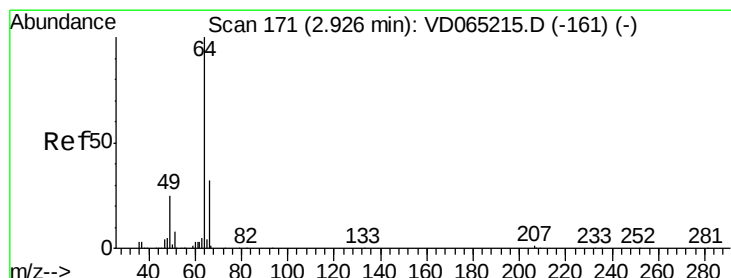
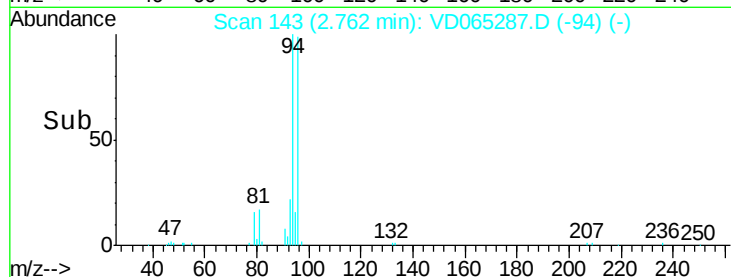
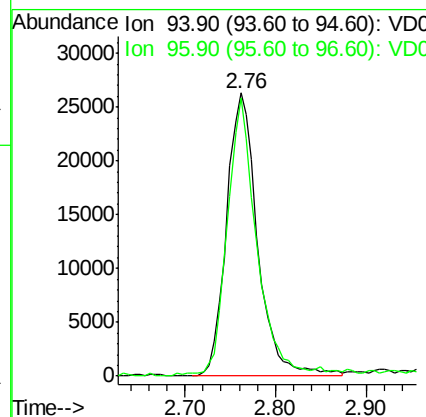
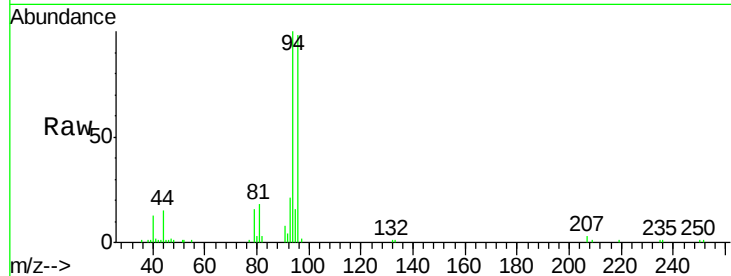
96 97.3 74.2 111.4

Manual Integrations

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#6

Chloroethane

Concen: 18.501 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065287.D

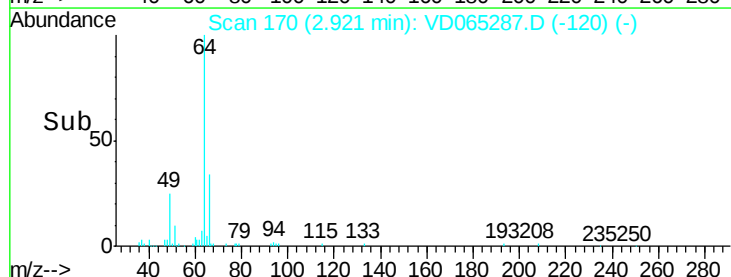
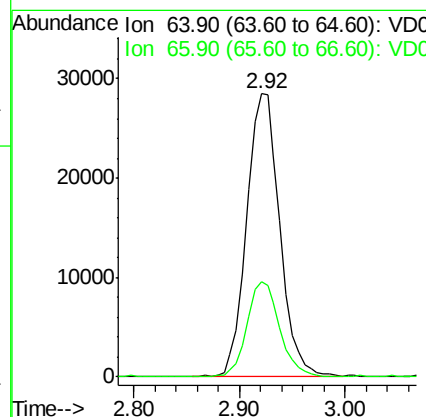
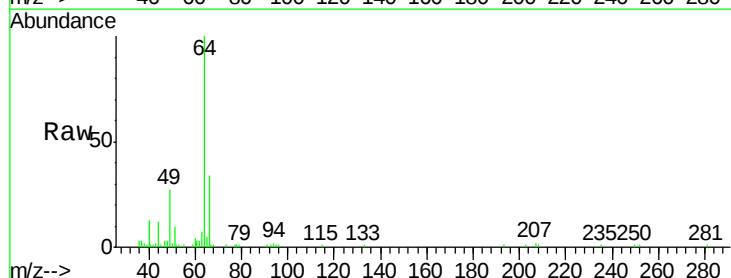
Acq: 24 Feb 2020 11:41

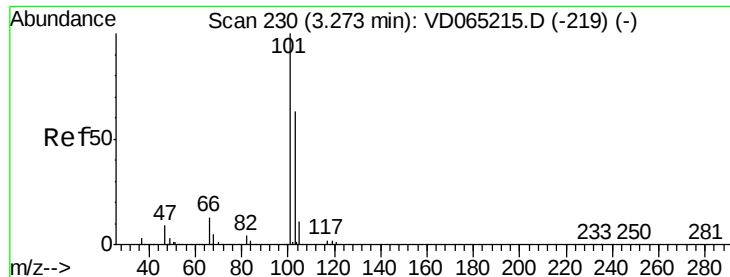
Tgt Ion: 64 Resp: 62049

Ion Ratio Lower Upper

64 100

66 33.7 25.7 38.5





#7

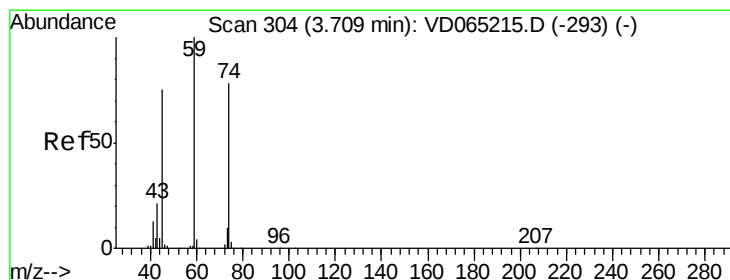
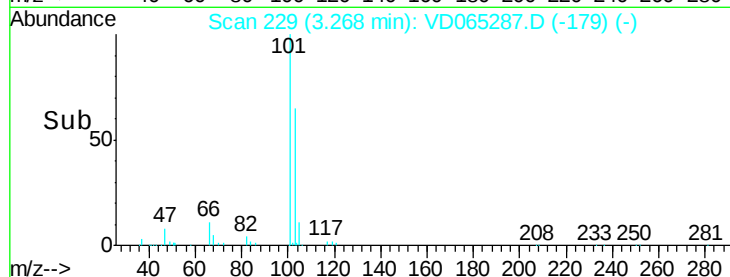
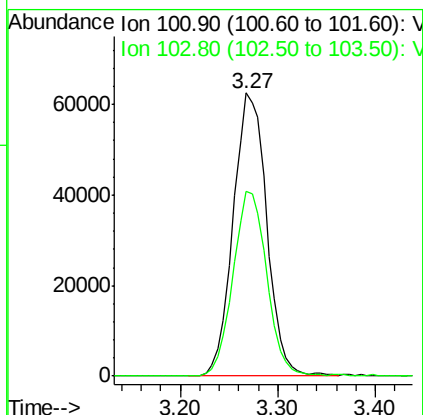
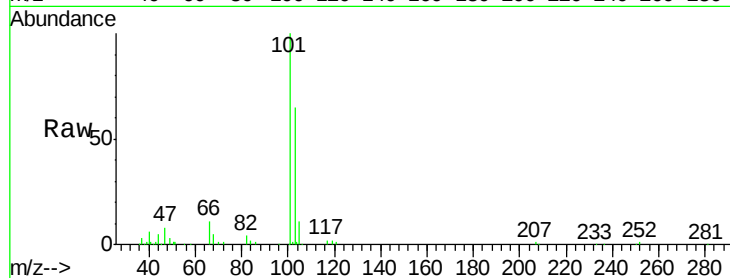
Trichlorofluoromethane
 Concen: 19.042 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

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 ClientSampleId :
 VD0224SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	50.7	76.1

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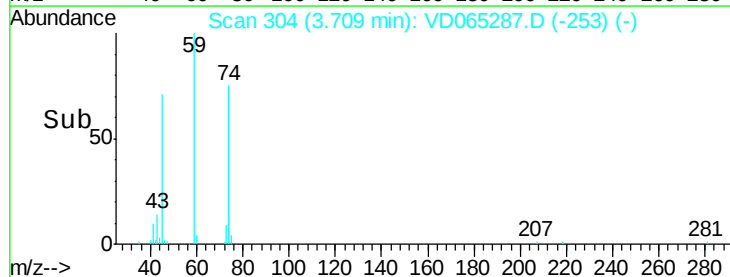
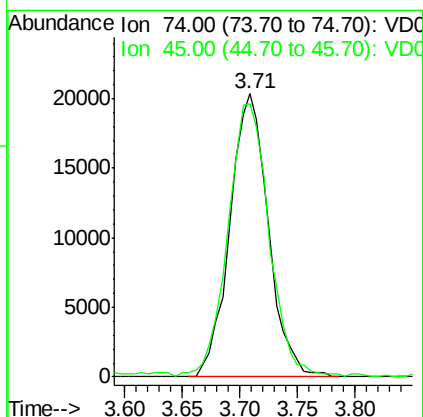
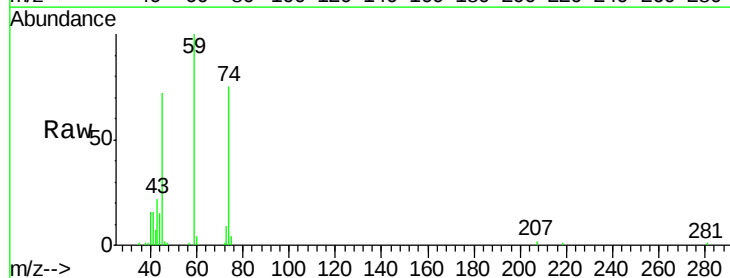
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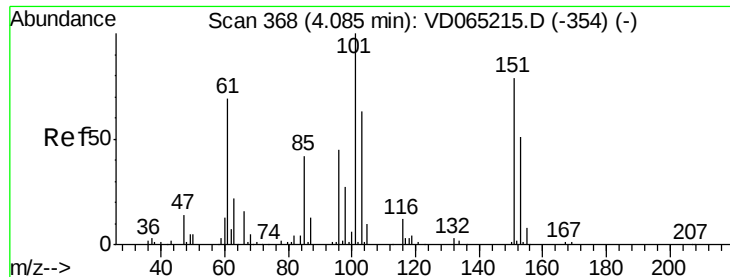


#8

Diethyl Ether
 Concen: 19.793 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.8	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.593 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

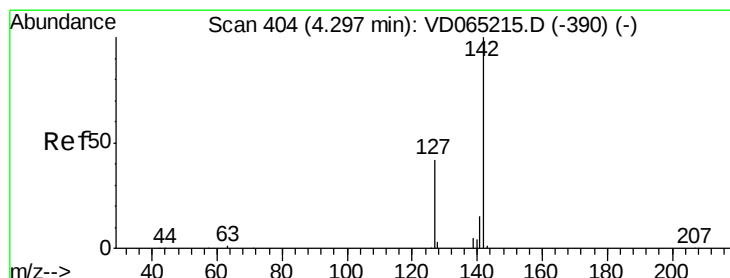
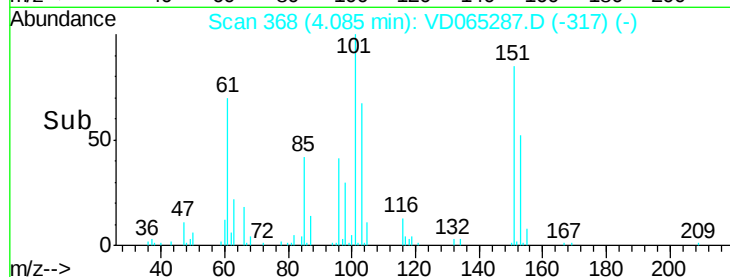
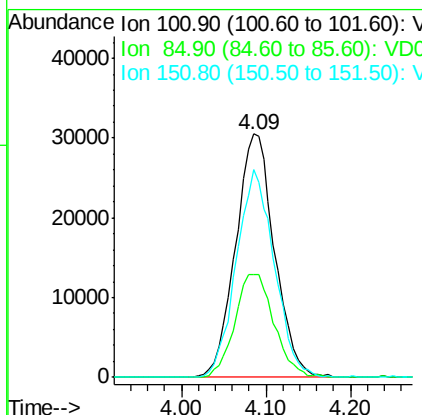
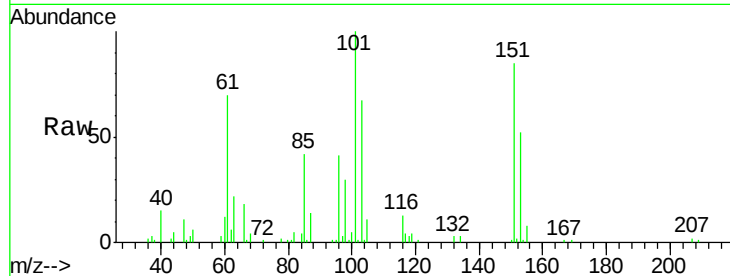
ClientSampleId :

VD0224SBS01

Tot Ion:	101	Resp:	97328
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.2
151	83.4	63.5	95.3

Manual Integrations
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MMDadoda
2/25/2020 5:15:26 PM



#10

Methyl Iodide

Concen: 18.946 ug/l

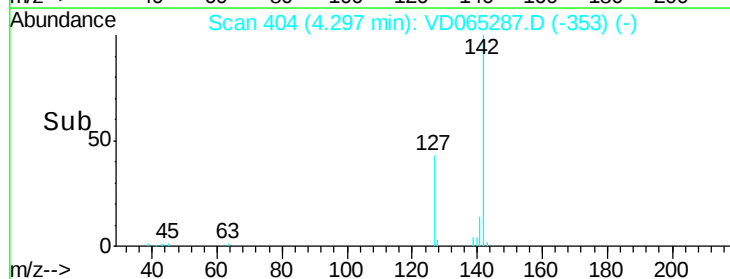
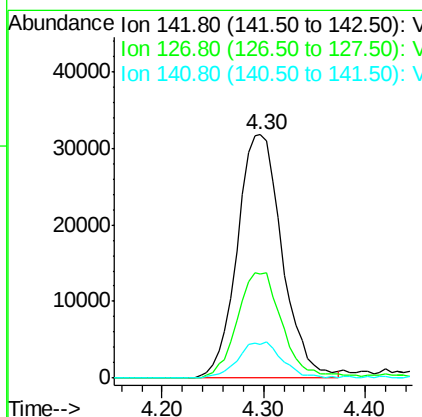
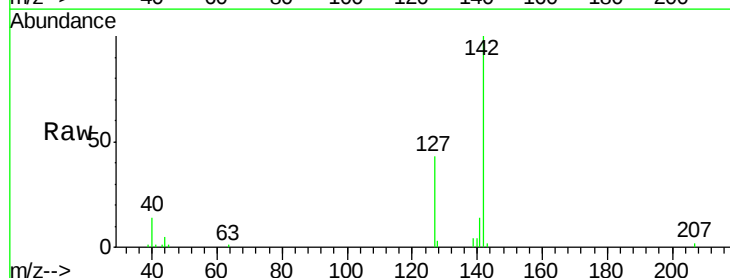
RT: 4.30 min Scan# 404

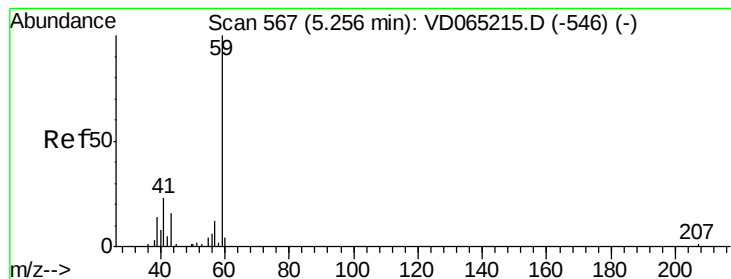
Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Tgt Ion:	142	Resp:	97718
Ion Ratio	Lower	Upper	
142	100		
127	43.4	33.8	50.8
141	14.5	11.7	17.5





#11

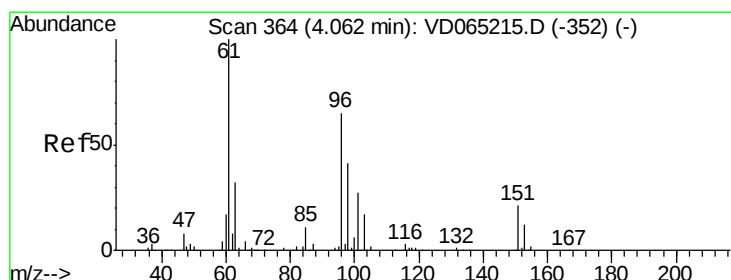
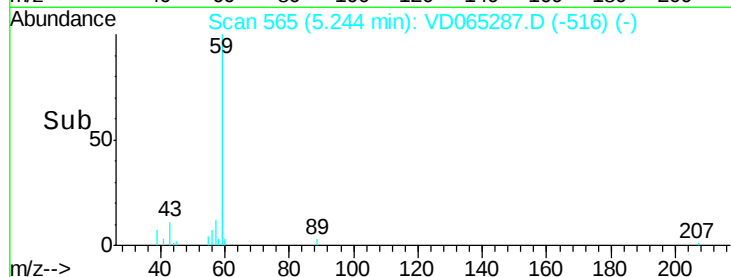
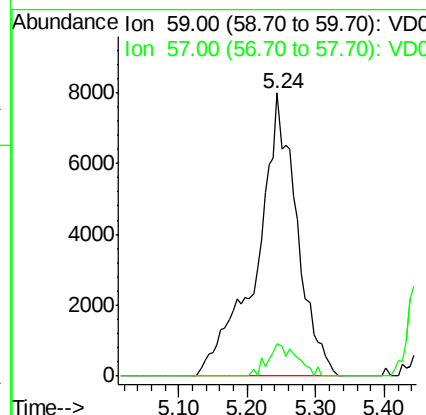
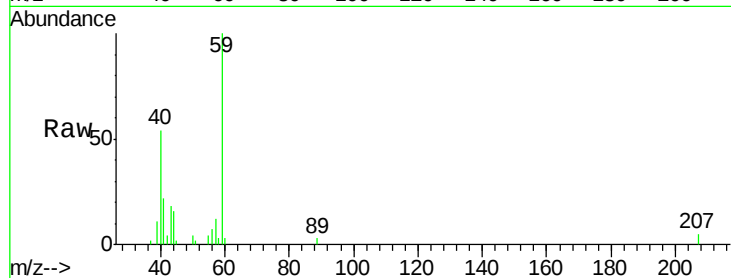
Tert butyl alcohol
Concen: 119.627 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	32548		
57	8.0		8.4	12.6#

Manual Integrations
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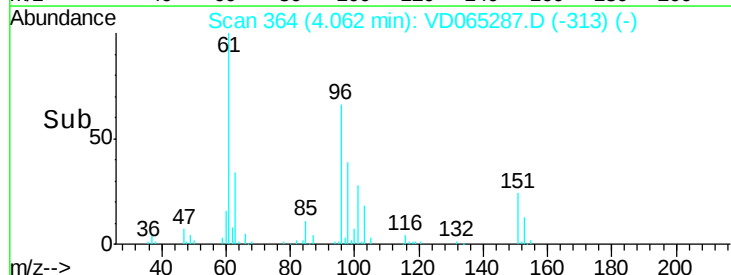
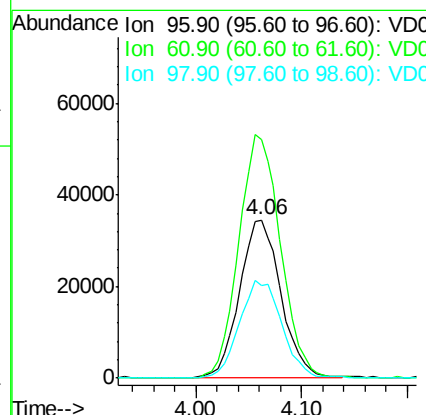
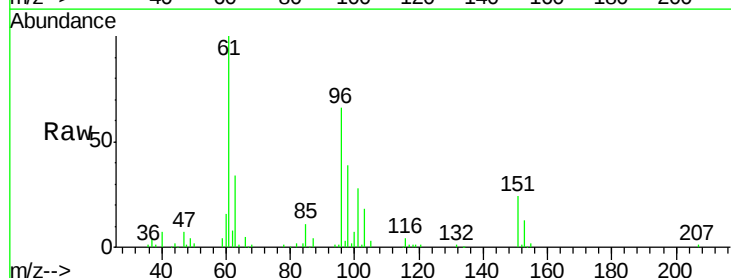
MMDadoda
2/25/2020 5:15:26 PM



#12

1,1-Dichloroethene
Concen: 20.027 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	93977		
61	150.9		123.3	184.9
98	59.0		51.0	76.4





#13

Acrolein

Concen: 106.248 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0224SBSD01

Tot Ion: 56 Resp: 41016

Ion Ratio Lower Upper

56 100

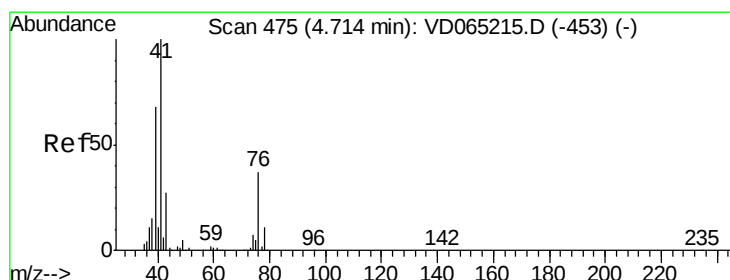
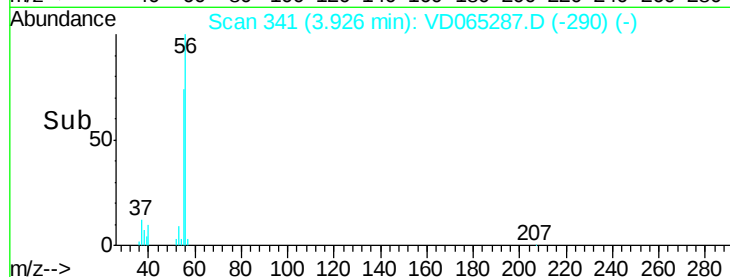
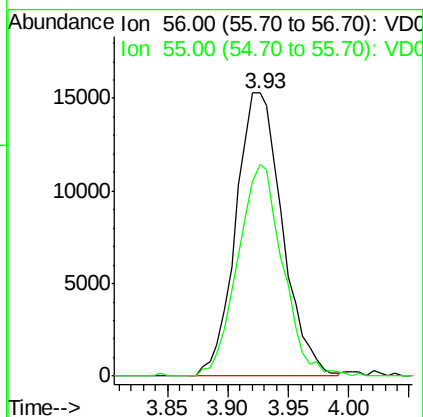
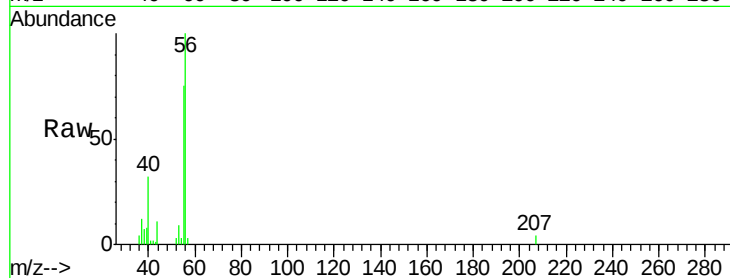
55 71.9 56.6 85.0

Manual Integrations

APPROVED

MMDadoda

2/25/2020 5:15:26 PM



#14

Allyl chloride

Concen: 20.077 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

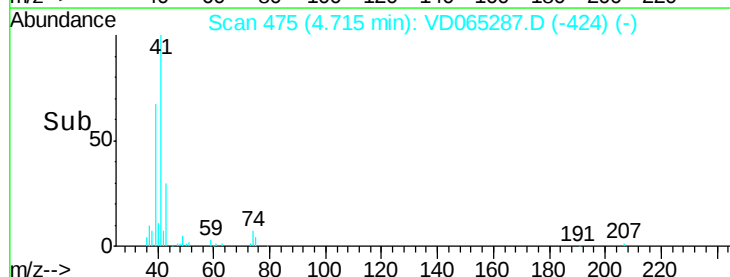
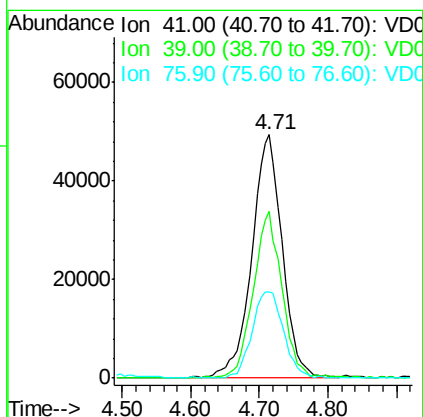
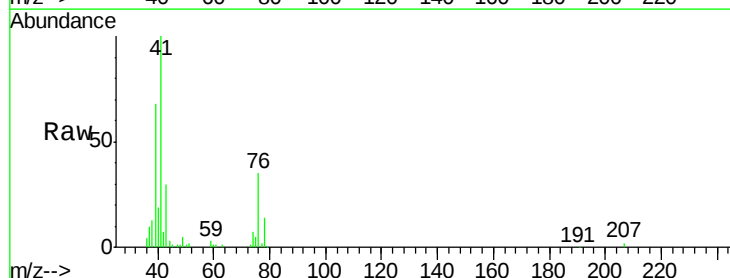
Tgt Ion: 41 Resp: 152990

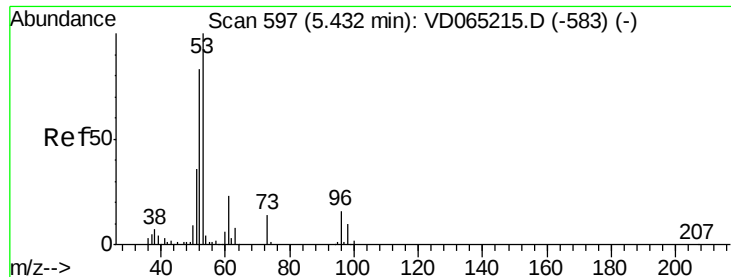
Ion Ratio Lower Upper

41 100

39 64.6 53.8 80.6

76 36.5 28.7 43.1





#15

Acrylonitrile

Concen: 101.566 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

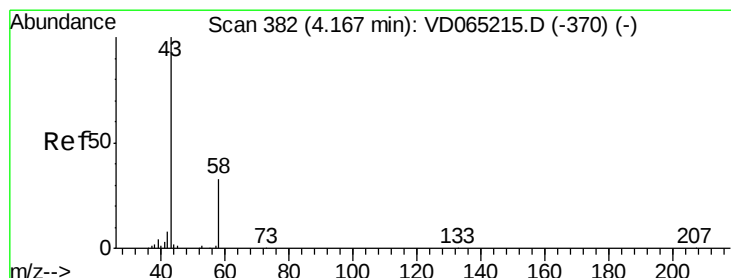
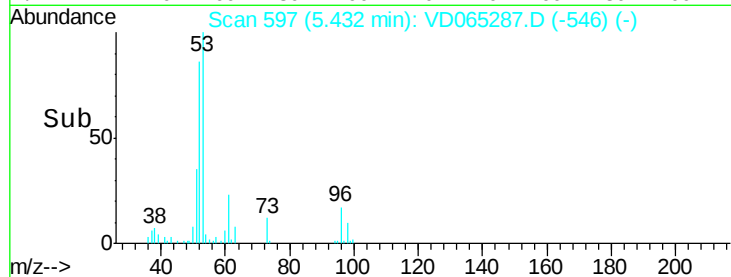
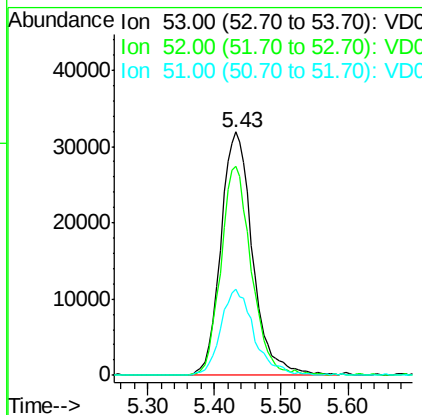
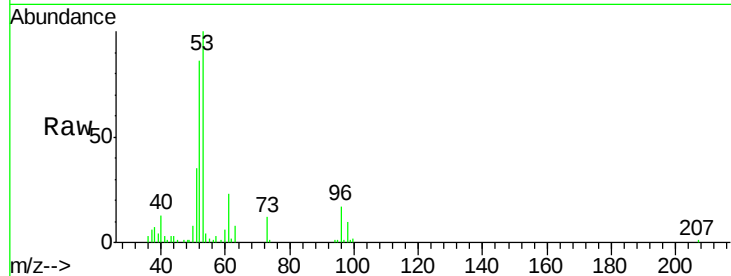
ClientSampleId :

VD0224SBSD01

Tot Ion:	53	Resp:	106771
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.4	98.2
51	37.0	29.5	44.3

Manual Integrations
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2/25/2020 5:15:26 PM



#16

Acetone

Concen: 91.877 ug/l

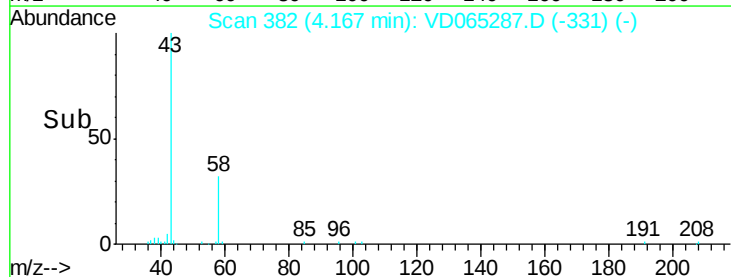
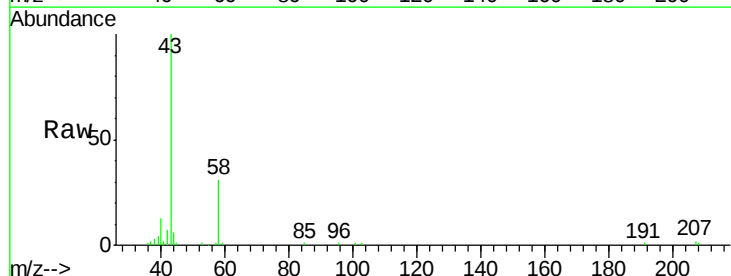
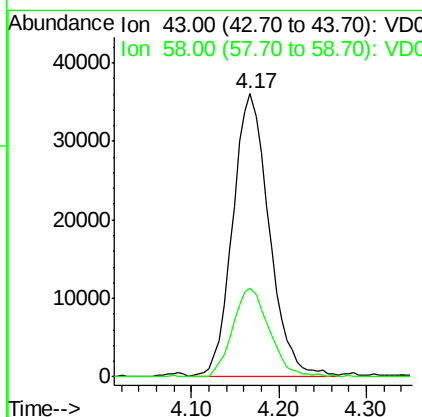
RT: 4.17 min Scan# 382

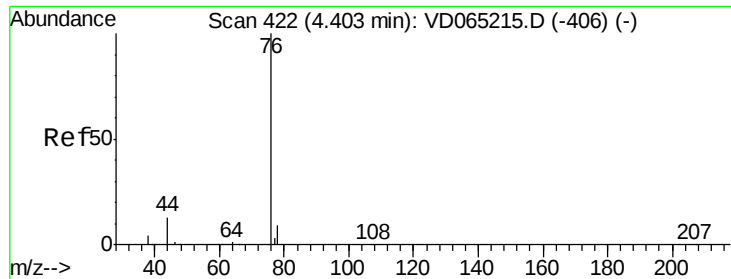
Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Tgt Ion:	43	Resp:	102260
Ion Ratio	Lower	Upper	
43	100		
58	31.5	26.2	39.2





#17

Carbon Disulfide

Concen: 19.202 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0224SBSD01

Tot Ion: 76 Resp: 302090

Ion Ratio Lower Upper

76 100

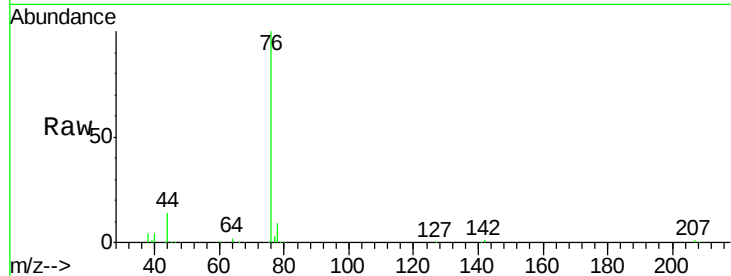
78 9.4 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

120000

100000

80000

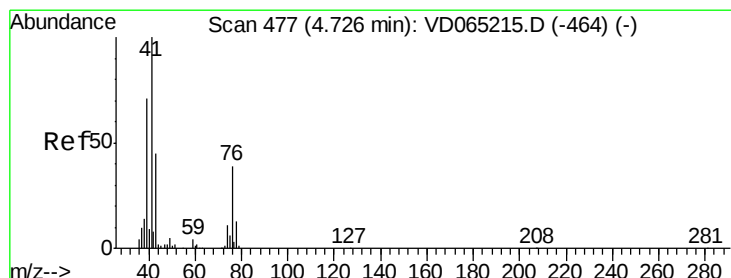
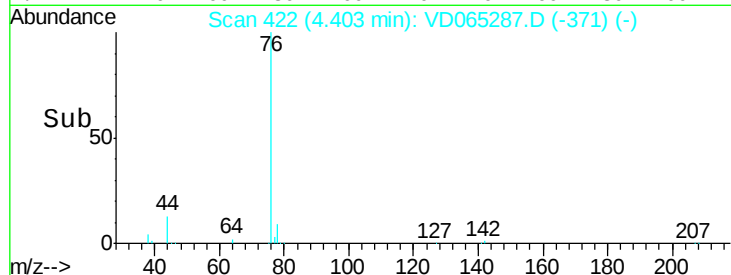
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.482 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065287.D

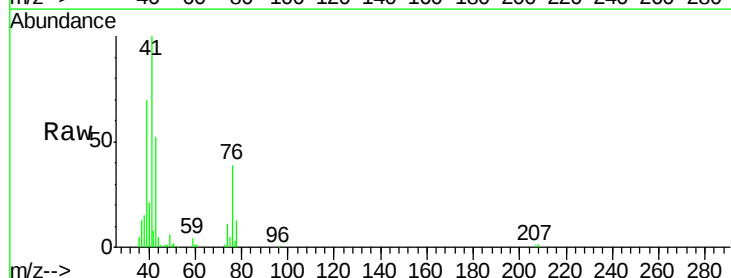
Acq: 24 Feb 2020 11:41

Tgt Ion: 43 Resp: 53774

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

4.73

20000

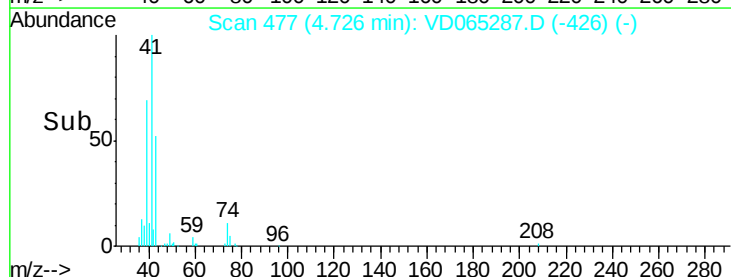
15000

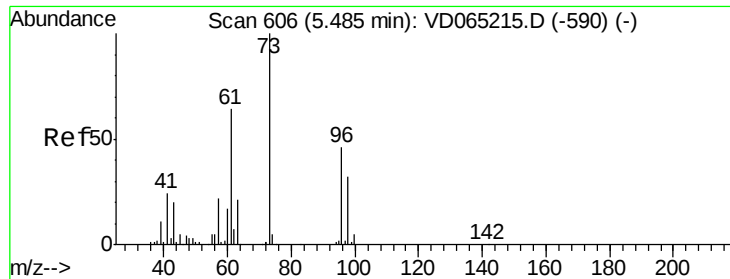
10000

5000

0

Time-->





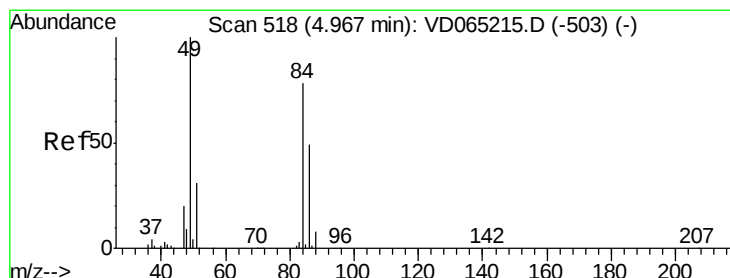
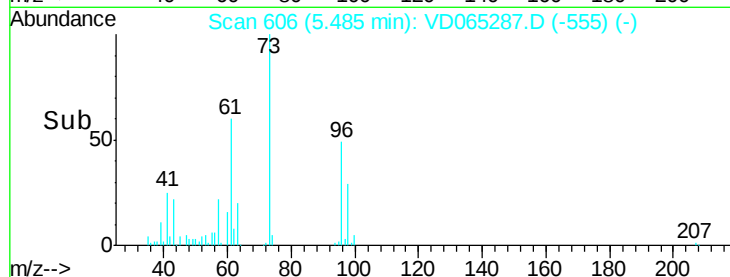
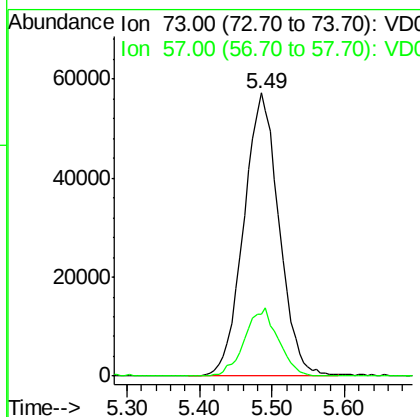
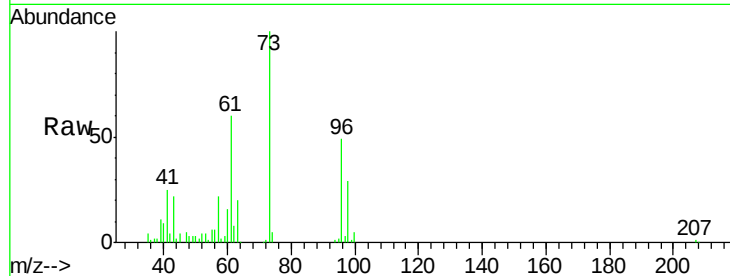
#19
Methyl tert-butyl Ether
Concen: 19.754 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	21.8	17.3	25.9

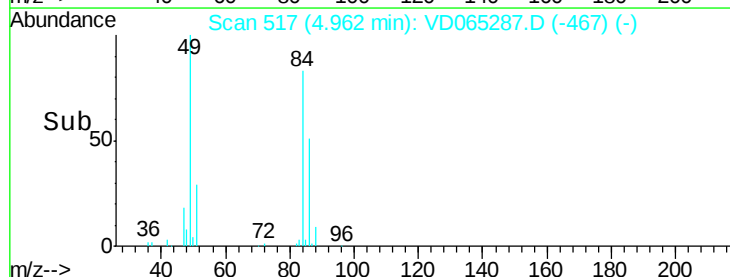
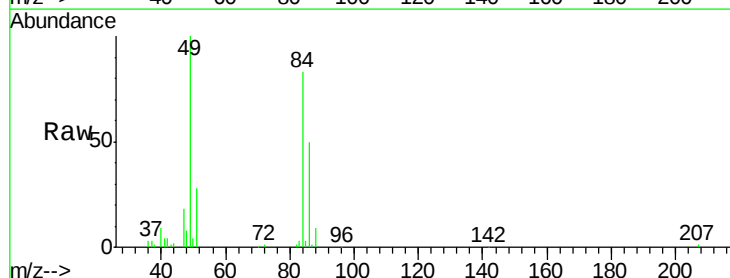
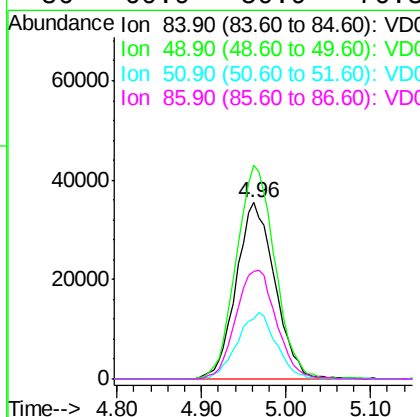
Manual Integrations
APPROVED

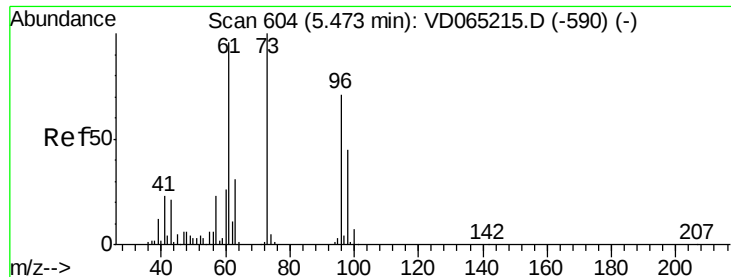
MMDadoda
2/25/2020 5:15:26 PM



#20
Methylene Chloride
Concen: 20.063 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	121.1	103.1	154.7
51	51	34.2	31.7	47.5
86	86	60.9	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 20.127 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

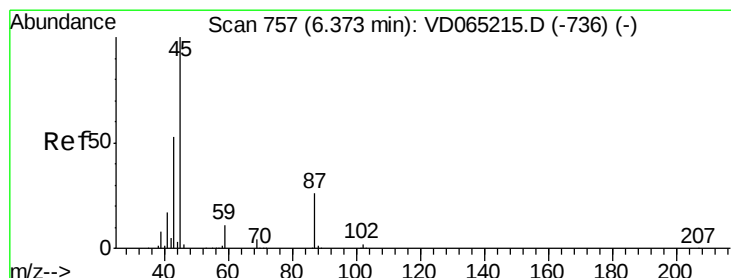
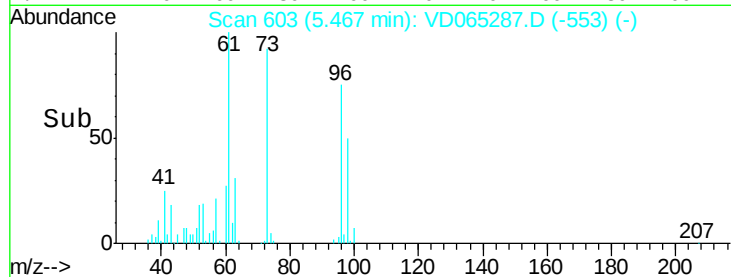
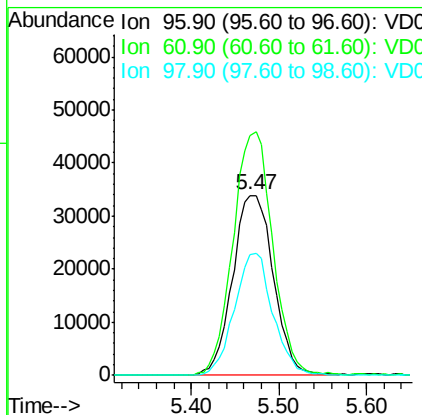
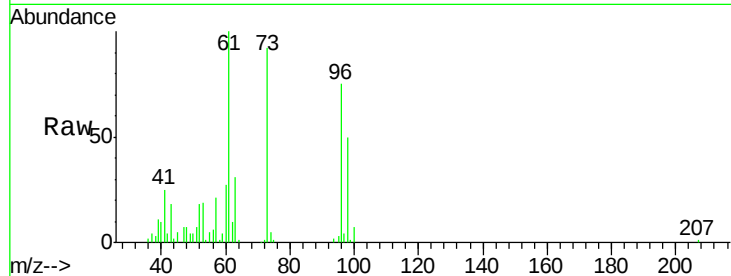
ClientSampleId :

VD0224SBS01

Tot Ion:	96	Resp:	107370
Ion	Ratio	Lower	Upper
96	100		
61	133.3	108.3	162.5
98	67.1	50.7	76.1

Manual Integrations
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2/25/2020 5:15:26 PM



#22

Diisopropyl ether

Concen: 20.342 ug/l

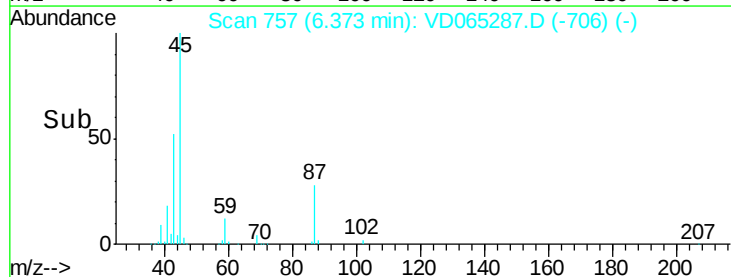
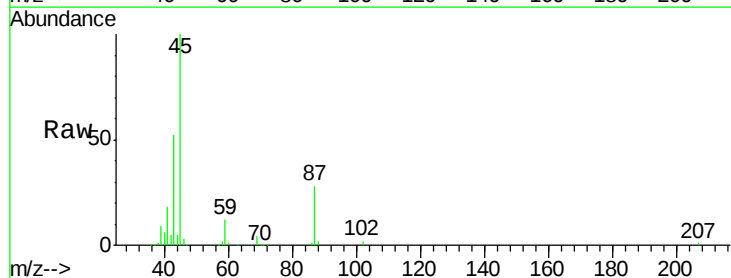
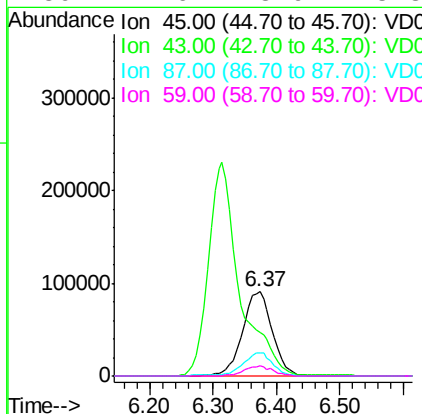
RT: 6.37 min Scan# 757

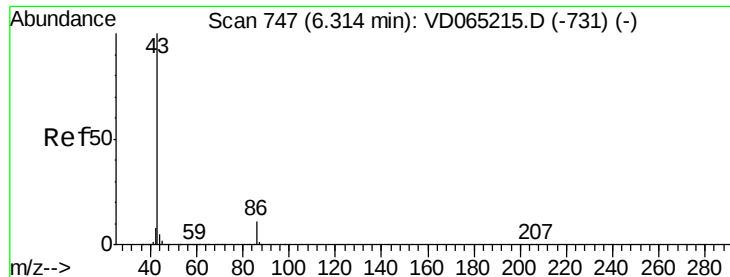
Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Tgt Ion:	45	Resp:	298828
Ion	Ratio	Lower	Upper
45	100		
43	50.7	42.6	64.0
87	27.7	21.2	31.8
59	11.6	8.9	13.3





#23

Vinyl Acetate

Concen: 98.070 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0224SBSD01

Tot Ion: 43 Resp: 794234

Ion Ratio Lower Upper

43 100

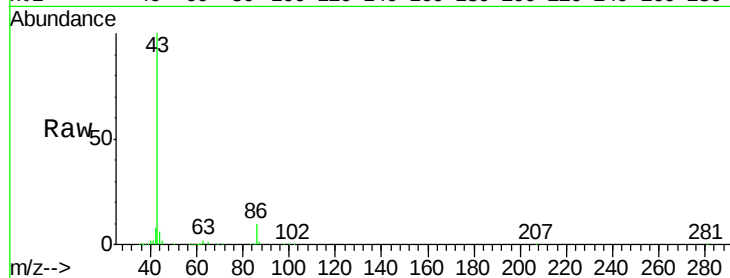
86 10.3 8.6 12.8

Manual Integrations

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MMDadoda

2/25/2020 5:15:26 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

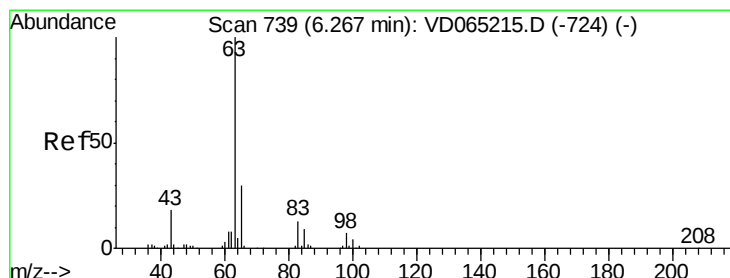
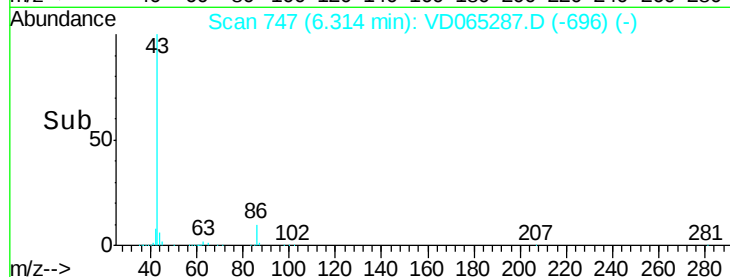
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.910 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

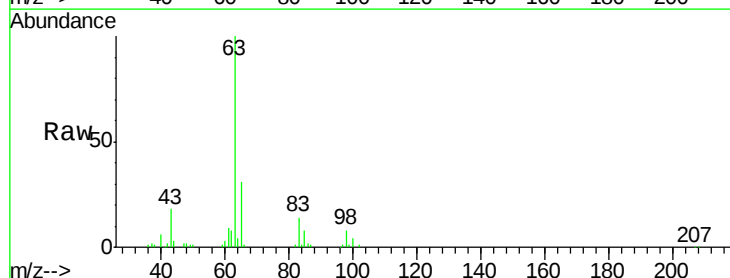
Tgt Ion: 63 Resp: 181416

Ion Ratio Lower Upper

63 100

98 8.0 3.4 10.1

100 4.2 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

80000

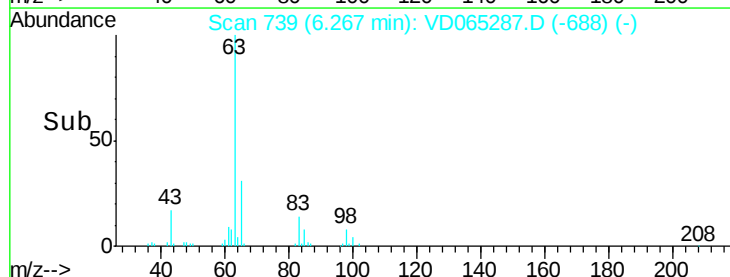
60000

40000

20000

0

Time-->





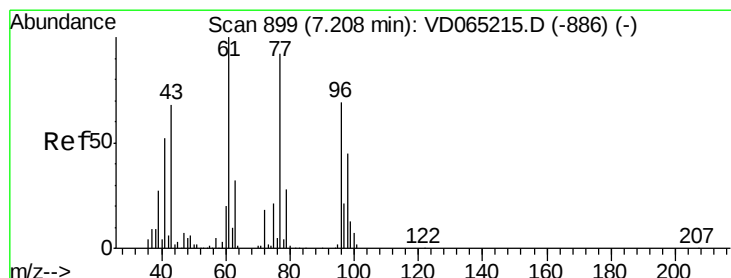
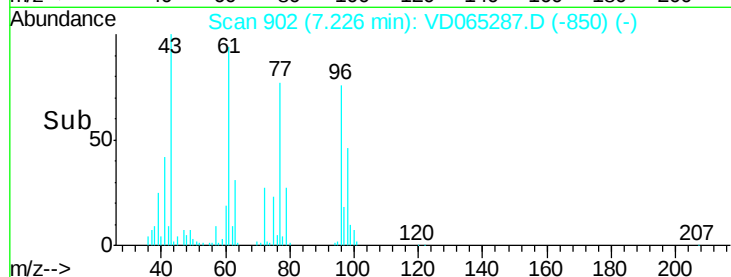
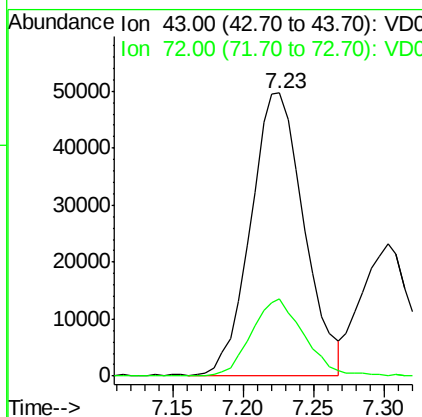
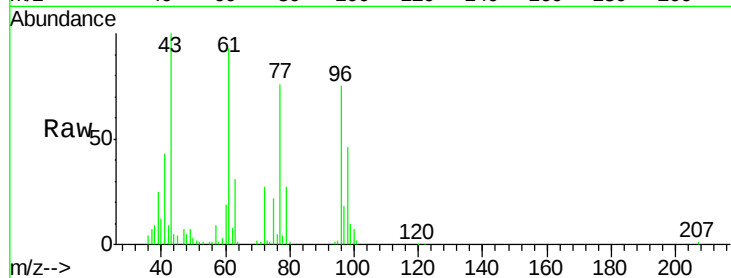
#25
2-Butanone
Concen: 93.572 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion: 43 Resp: 131768
Ion Ratio Lower Upper
43 100
72 27.2 20.9 31.3

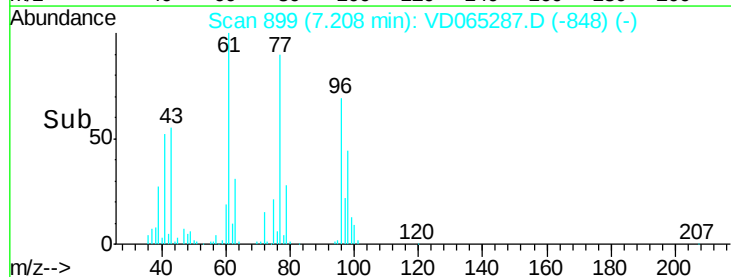
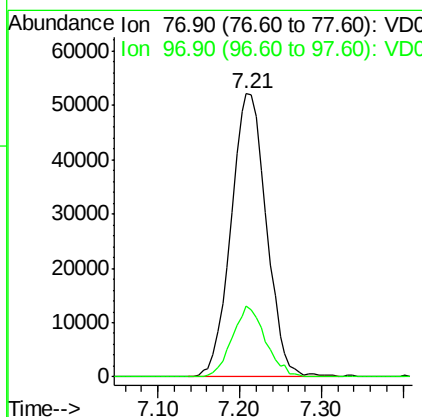
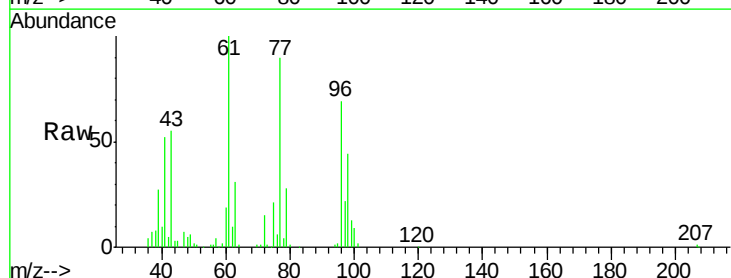
Manual Integrations
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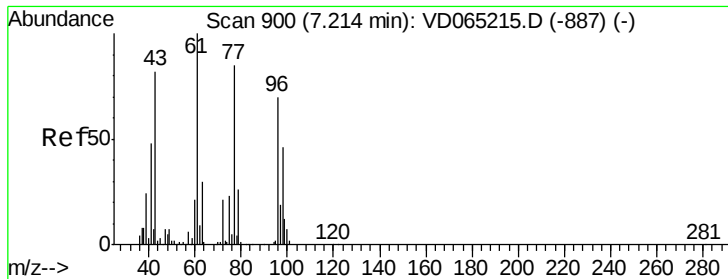
MMDadoda
2/25/2020 5:15:26 PM



#26
2,2-Dichloropropane
Concen: 19.838 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion: 77 Resp: 156836
Ion Ratio Lower Upper
77 100
97 23.5 11.7 35.1





#27

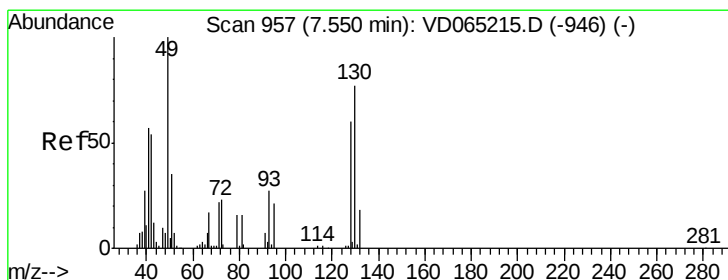
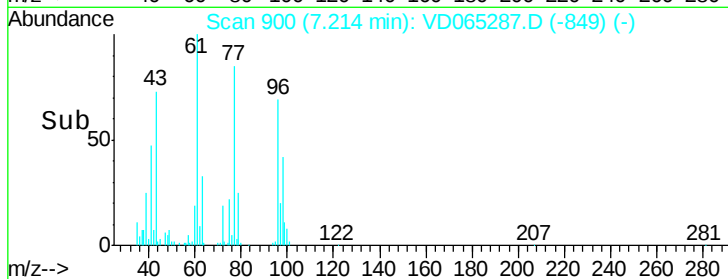
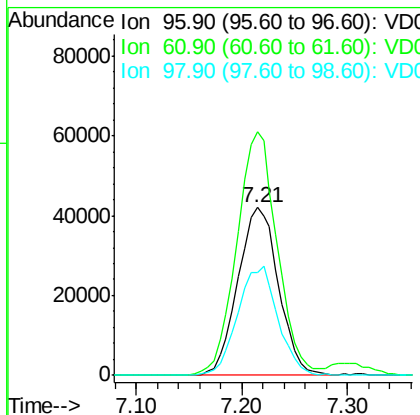
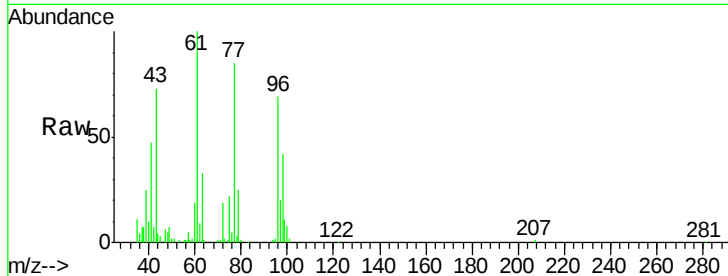
cis-1,2-Dichloroethene
 Concen: 19.895 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	144.5	0.0	286.0	
98	64.4	0.0	127.8	

Manual Integrations
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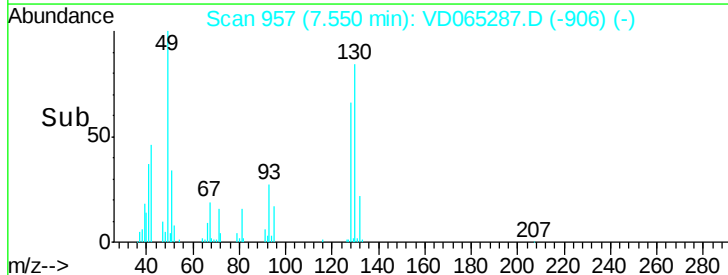
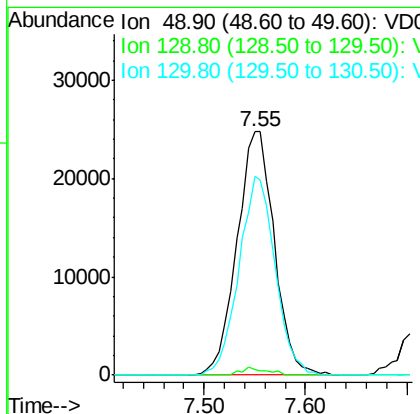
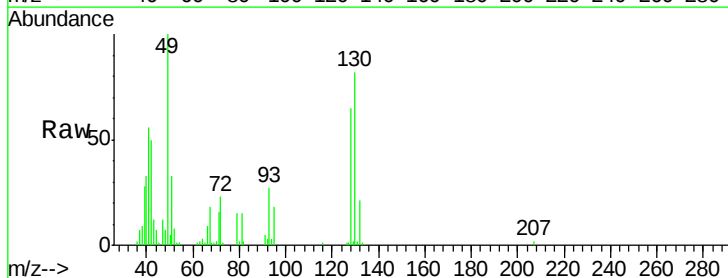
MMDadoda
 2/25/2020 5:15:26 PM

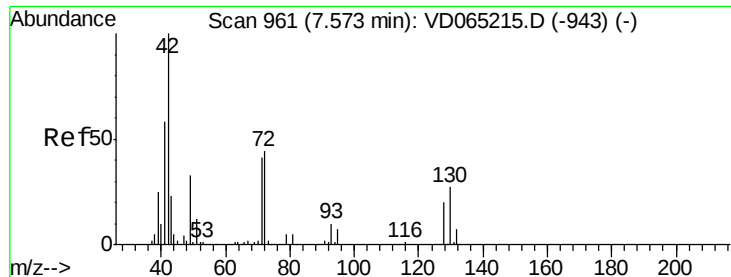


#28

Bromochloromethane
 Concen: 18.735 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.6	
130	78.9	64.7	97.1	





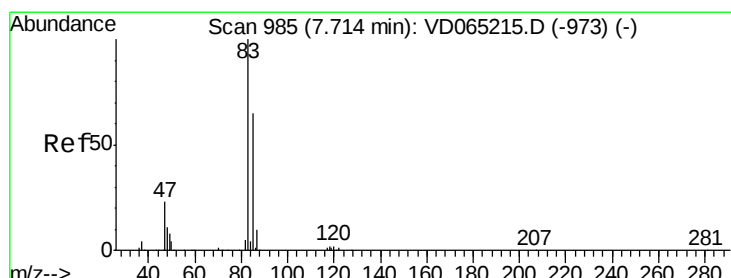
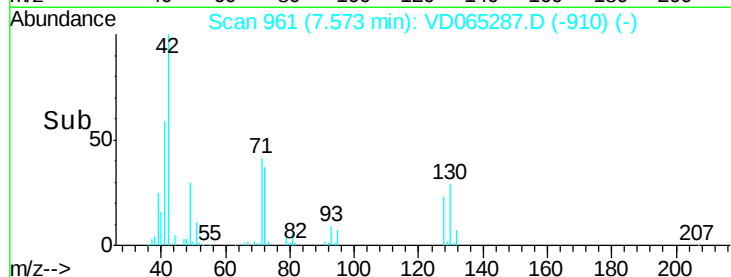
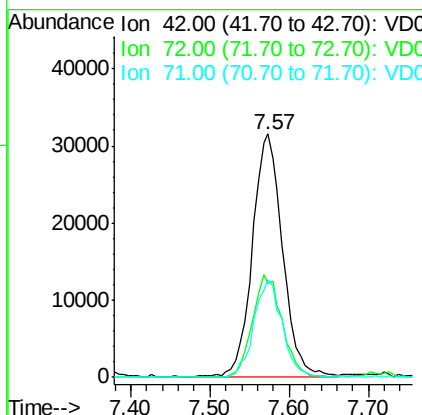
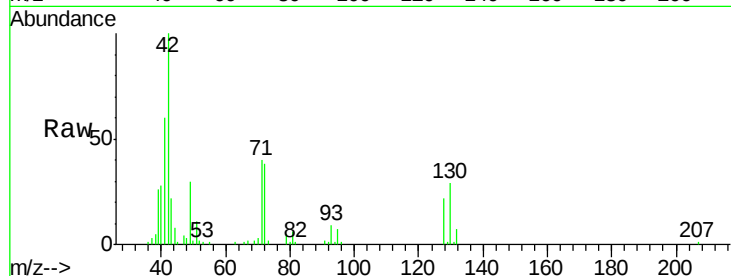
#29
Tetrahydrofuran
Concen: 102.053 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	33.7	50.5
71	37.5	31.4	47.2

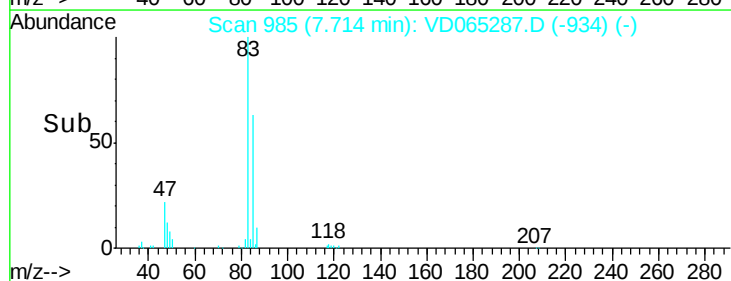
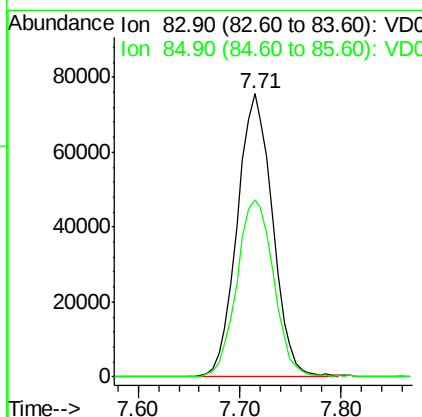
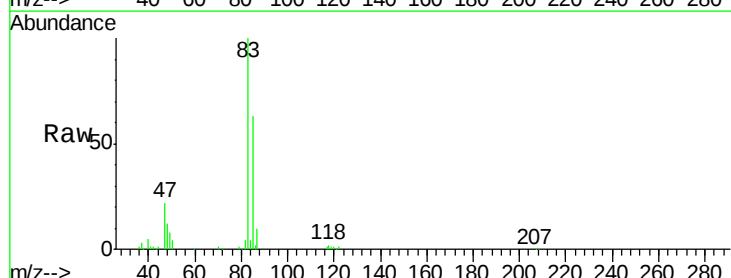
Manual Integrations
APPROVED

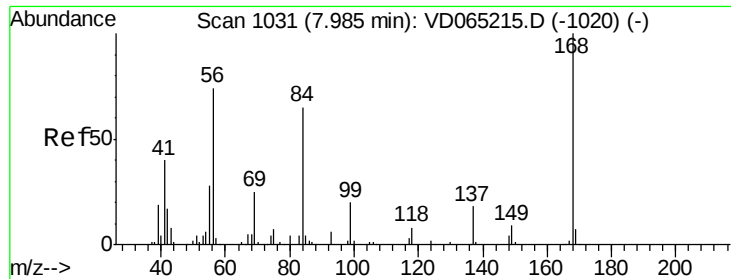
MMDadoda
2/25/2020 5:15:26 PM



#30
Chloroform
Concen: 19.993 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.3	78.5





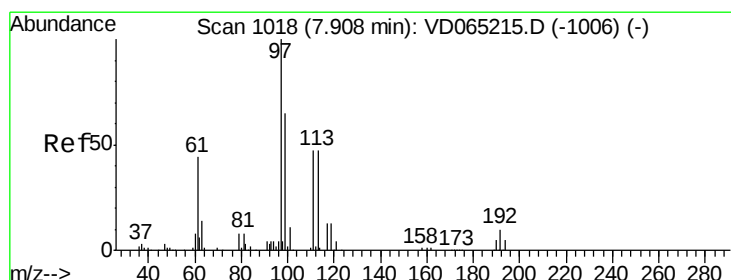
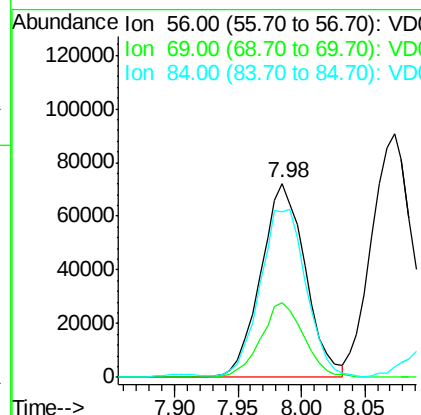
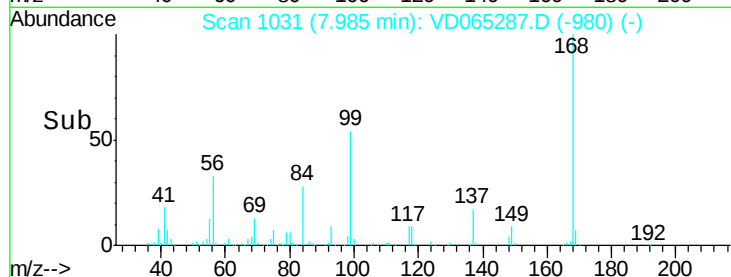
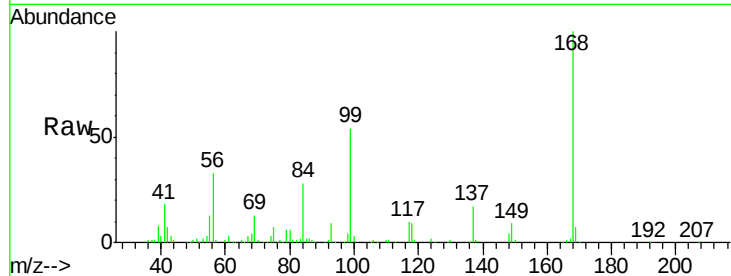
#31
Cyclohexane
Concen: 19.711 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.6	27.4	41.0
84	84.0	71.1	106.7

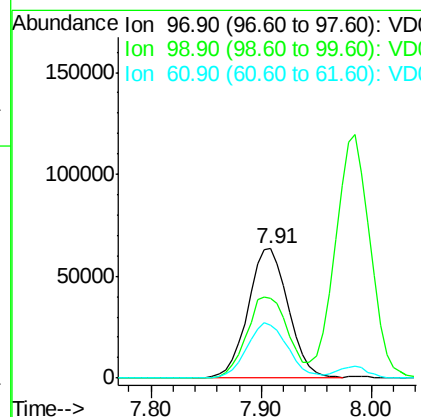
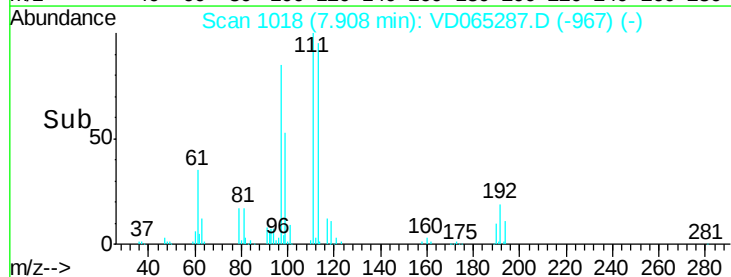
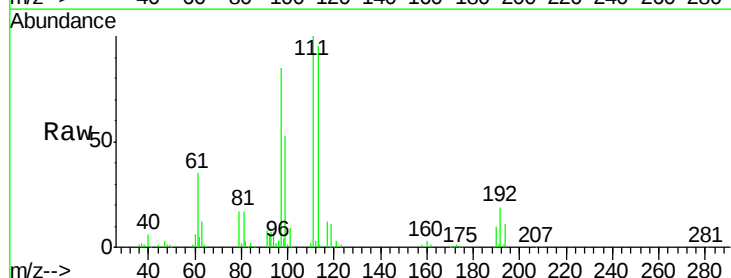
Manual Integrations
APPROVED

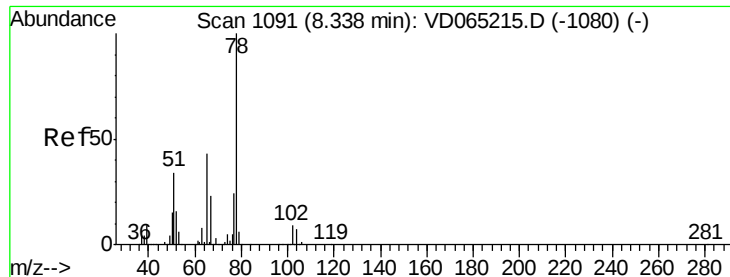
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.876 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.4	77.2
61	43.3	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 48.076 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0224SBSD01

Tot Ion: 65 Resp: 218899

Ion Ratio Lower Upper

65 100

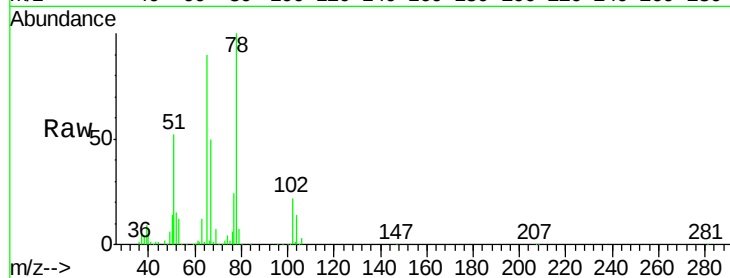
67 53.8 0.0 106.8

Manual Integrations

APPROVED

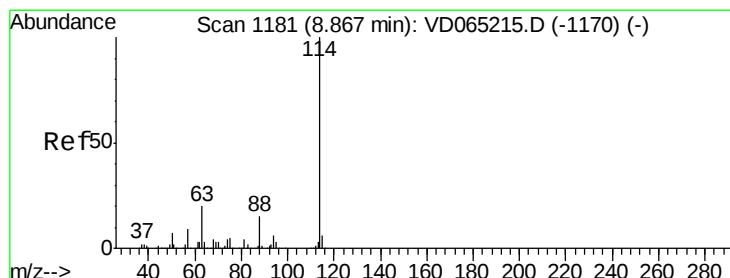
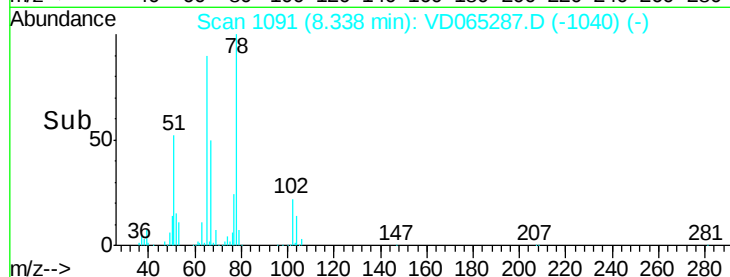
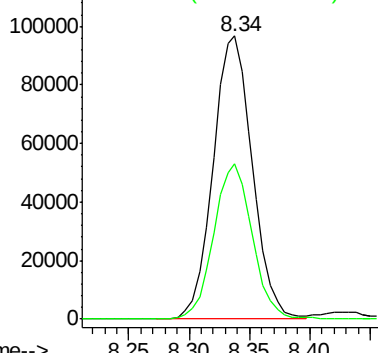
MMDadoda

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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: VD065287.D

Acq: 24 Feb 2020 11:41

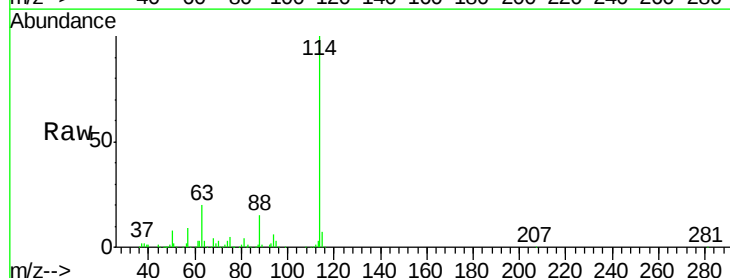
Tgt Ion: 114 Resp: 767568

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.4

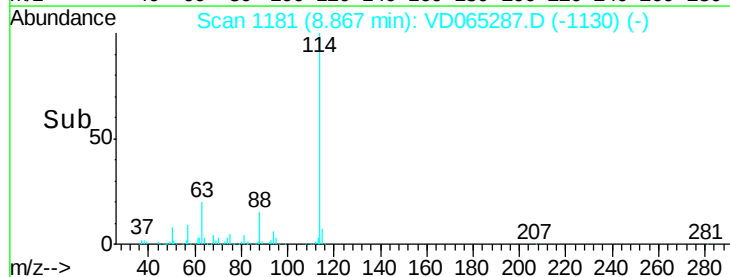
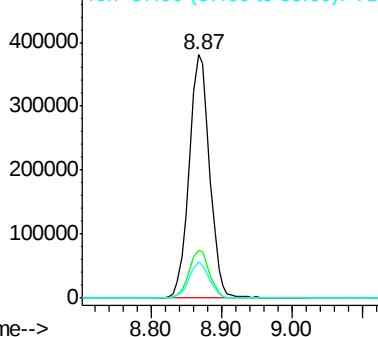
88 15.0 0.0 30.4

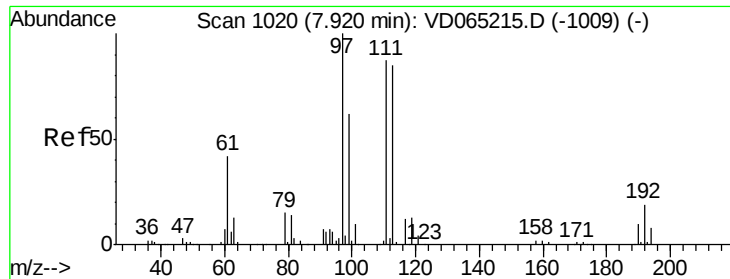


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





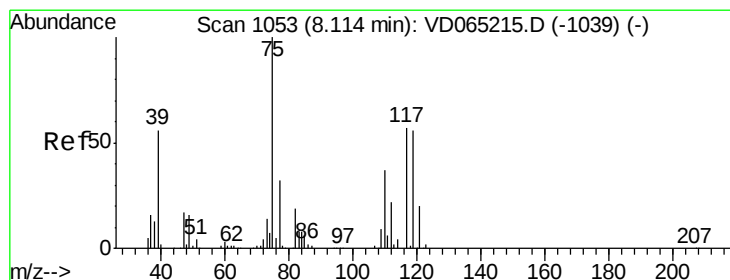
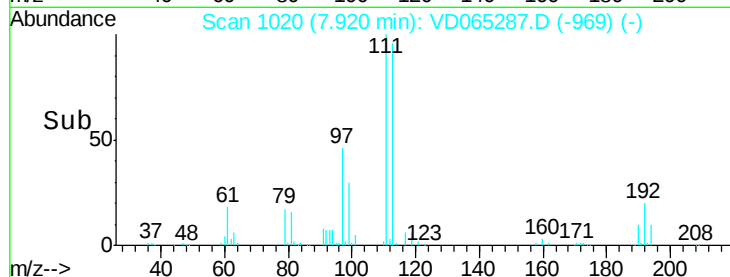
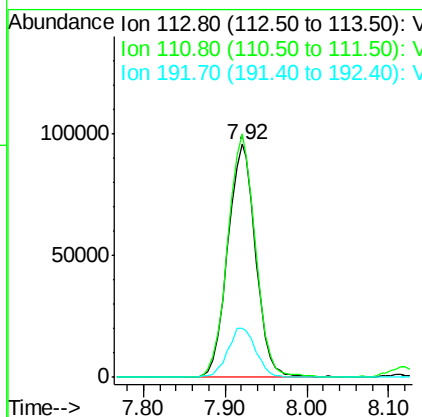
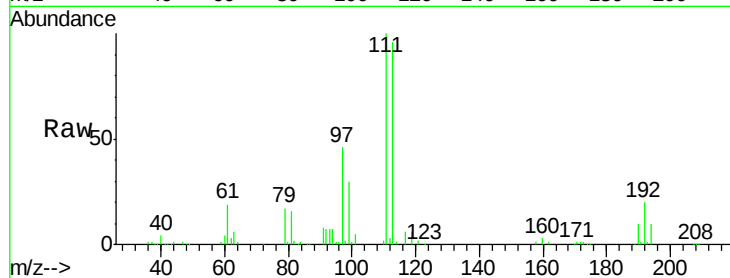
#35
Dibromofluoromethane
Concen: 48.521 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	227088		
111	103.8	82.9	124.3	
192	21.4	17.3	25.9	

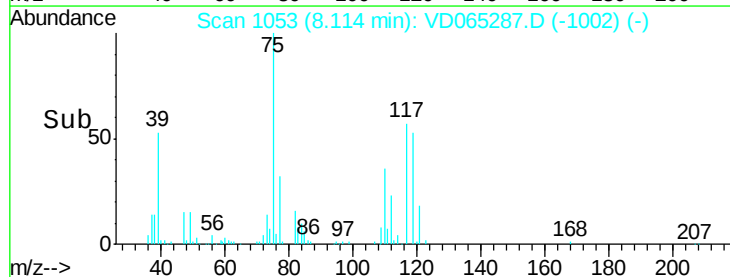
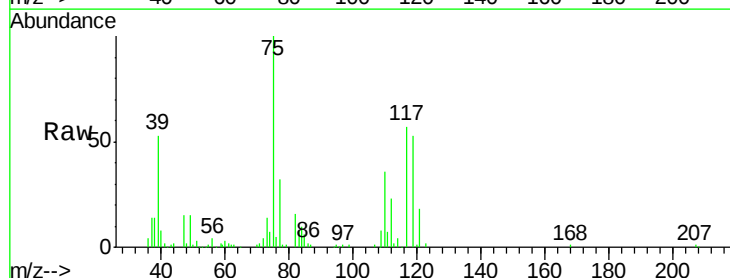
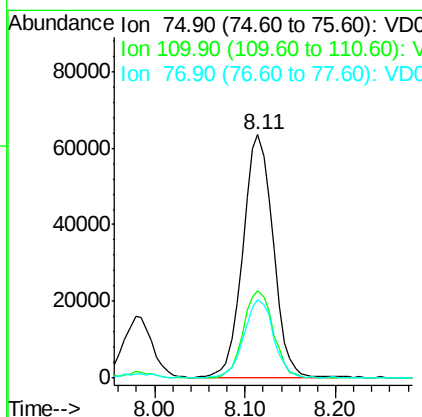
Manual Integrations
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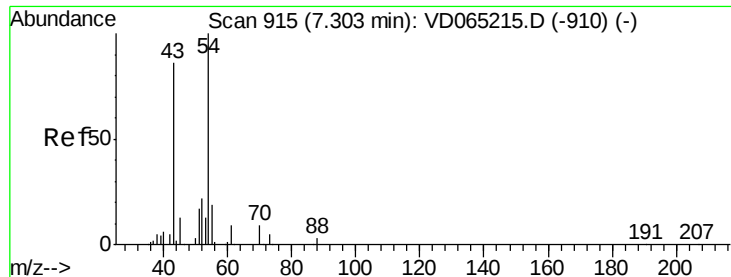
MMDadoda
2/25/2020 5:15:26 PM



#36
1,1-Dichloropropene
Concen: 19.553 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	146035		
110	35.8	17.9	53.7	
77	32.2	25.1	37.7	





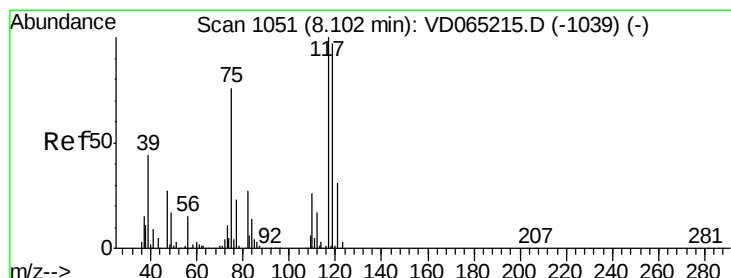
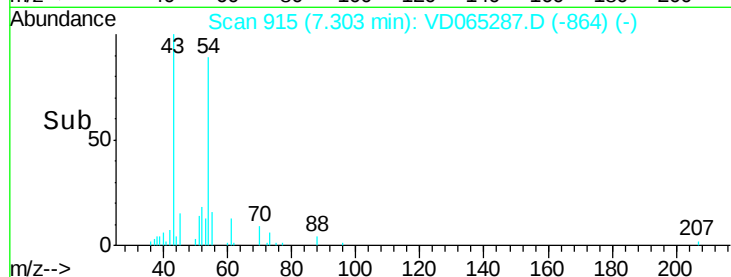
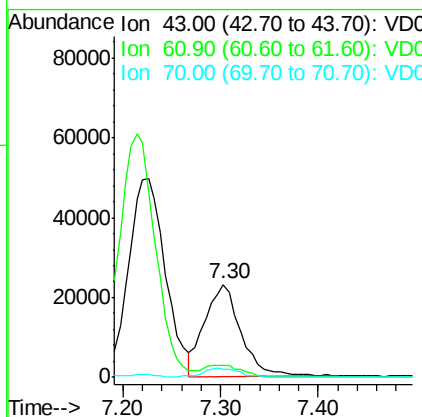
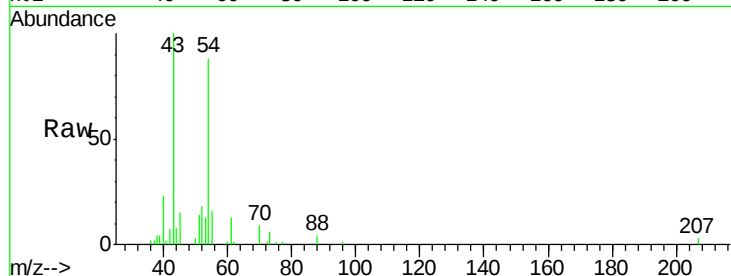
#37
Ethyl Acetate
Concen: 19.127 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.2	16.8
70	10.0	8.2	12.2

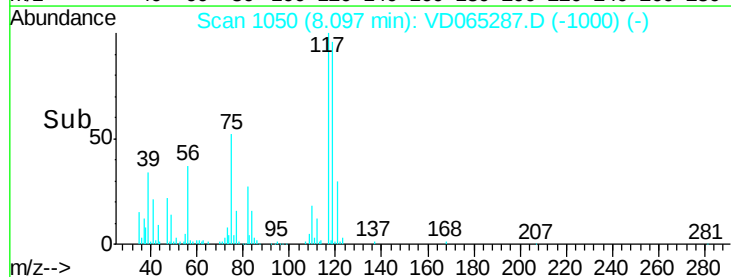
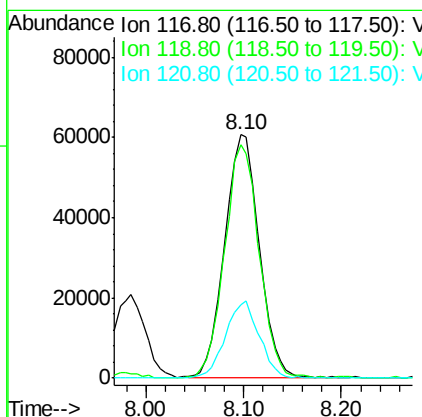
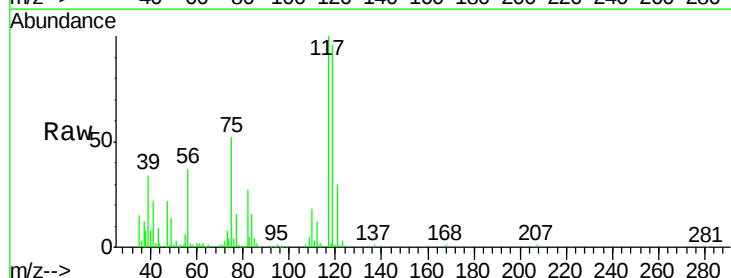
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 19.715 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.6	116.4
121	30.0	24.8	37.2





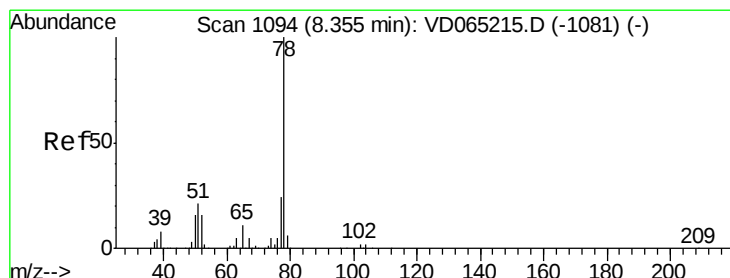
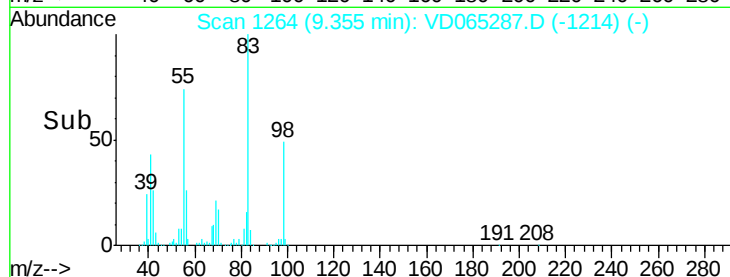
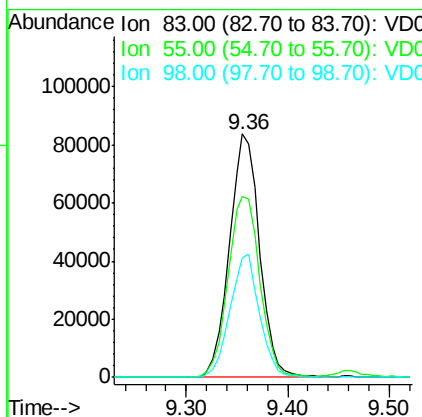
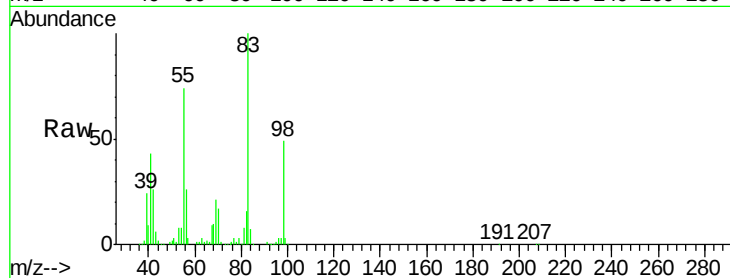
#39
Methvlcvclohexane
Concen: 19.660 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	172617		
55	74.4	61.8	92.6	
98	49.2	39.4	59.0	

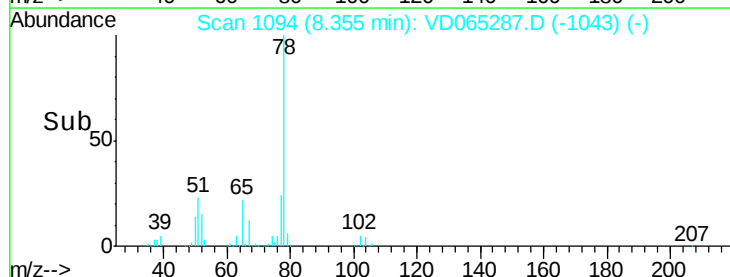
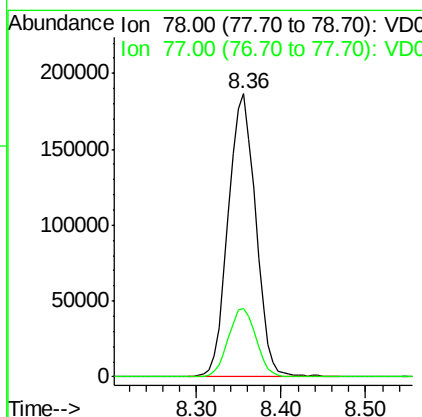
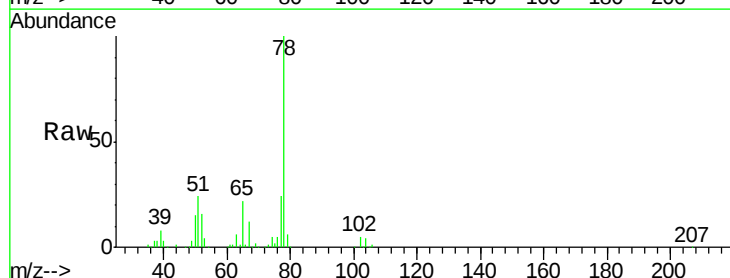
Manual Integrations
APPROVED

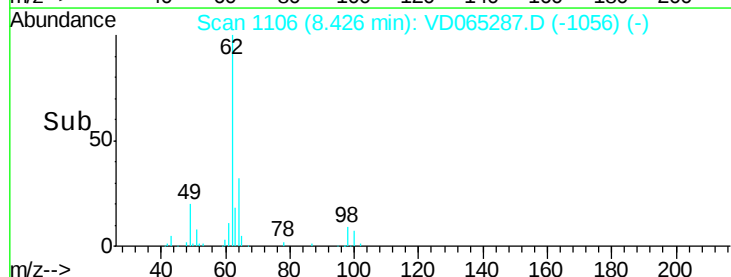
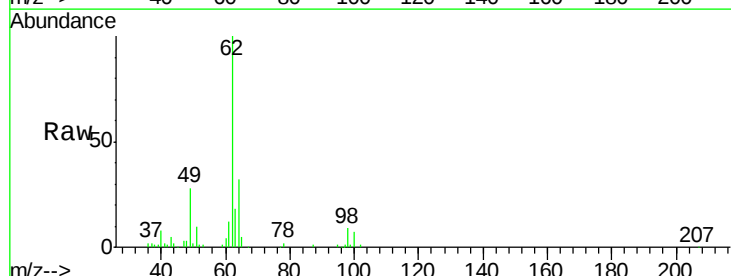
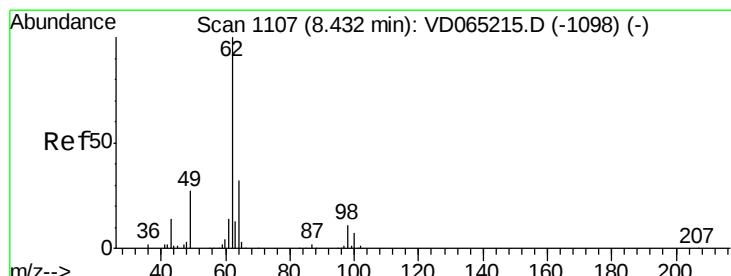
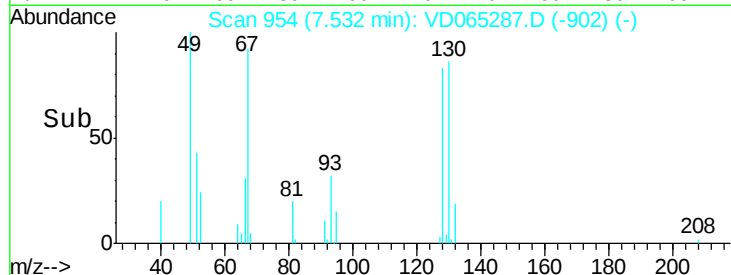
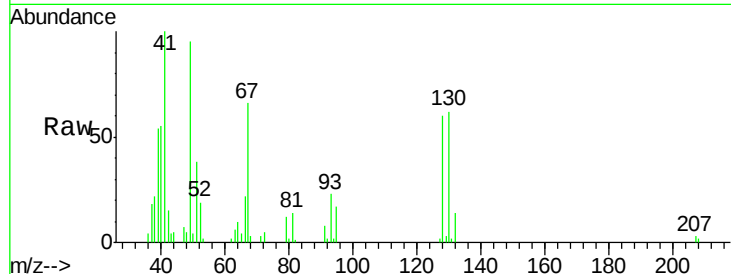
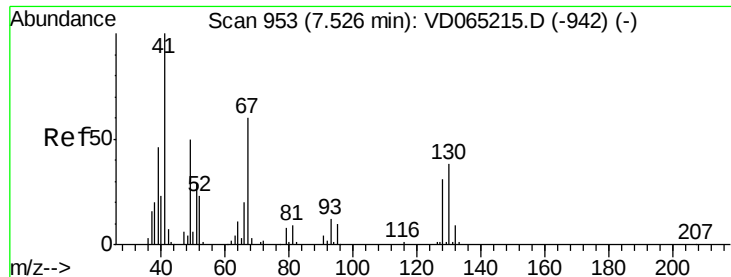
MMDadoda
2/25/2020 5:15:26 PM



#40
Benzene
Concen: 19.869 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

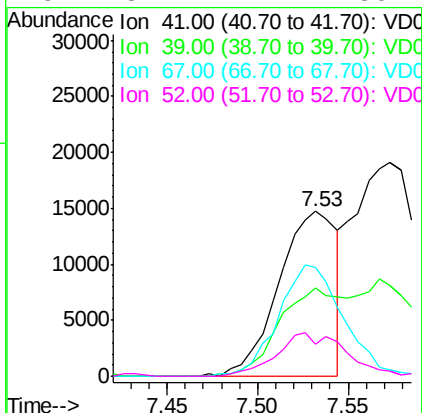
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	418844		
77	24.0	19.0	28.6	





#41
Methacrylonitrile
Concen: 18.174 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.9	48.1	72.1
67	76.5	58.9	88.3
52	31.4	24.2	36.2



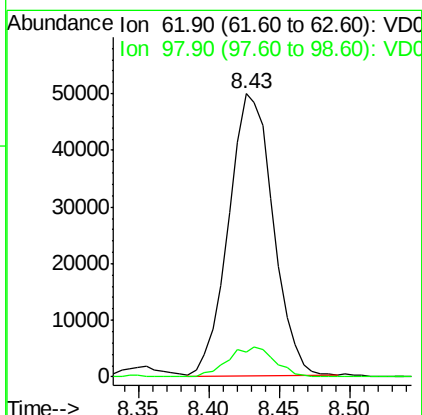
Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

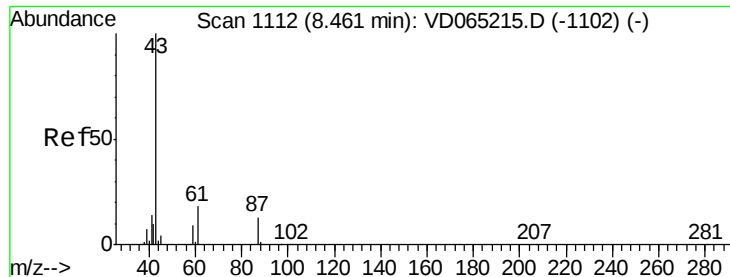
Manual Integrations
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2/25/2020 5:15:26 PM

#42
1,2-Dichloroethane
Concen: 18.895 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	20.6





#43

Isopropyl Acetate

Concen: 19.469 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

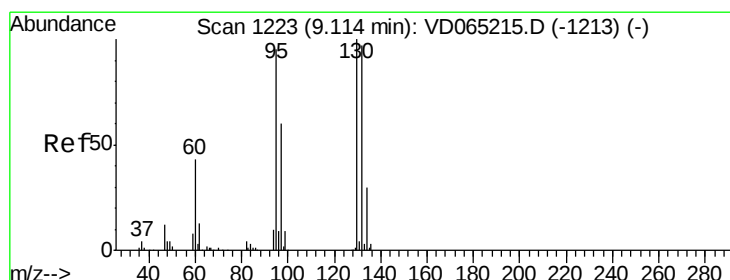
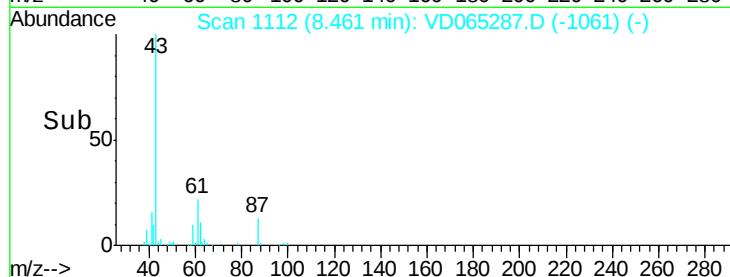
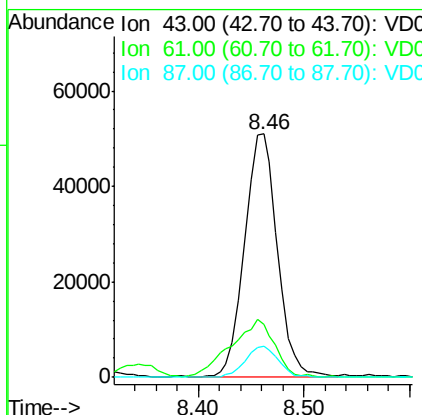
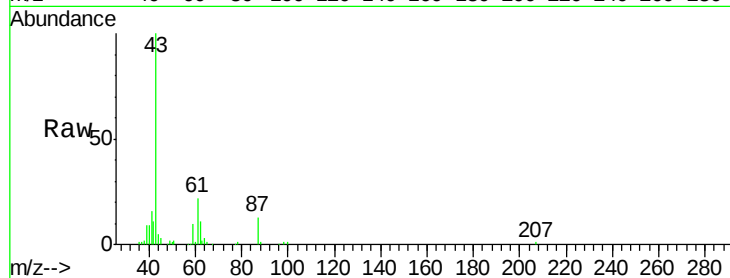
ClientSampleId :

VD0224SBS01

Tot Ion:	43	Resp:	110537
Ion	Ratio	Lower	Upper
43	100		
61	31.6	24.6	36.8
87	12.9	10.6	16.0

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#44

Trichloroethene

Concen: 20.203 ug/l

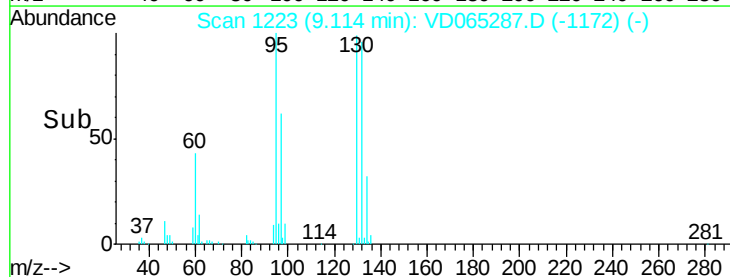
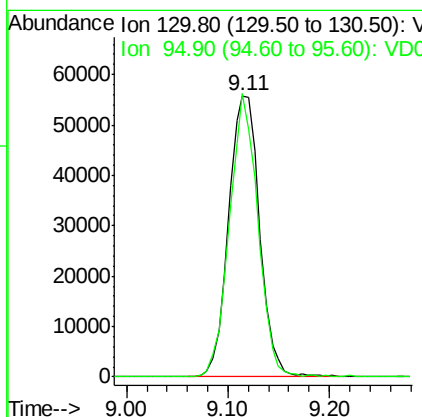
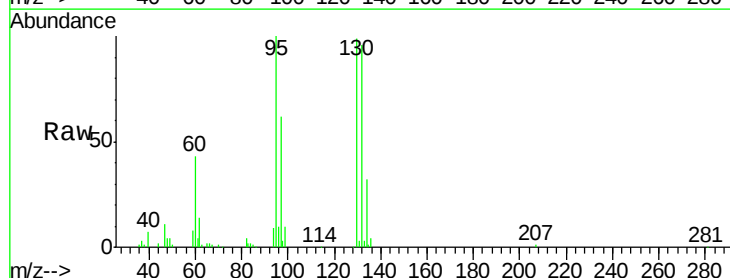
RT: 9.11 min Scan# 1223

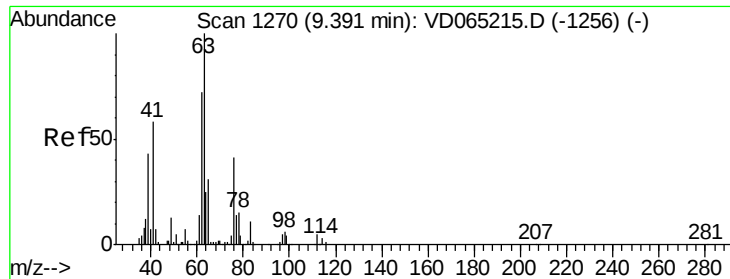
Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Tgt Ion:	130	Resp:	118056
Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	190.6





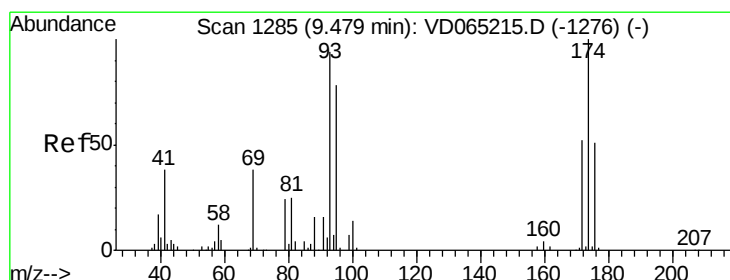
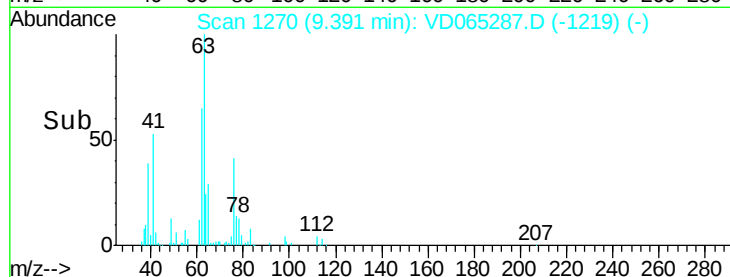
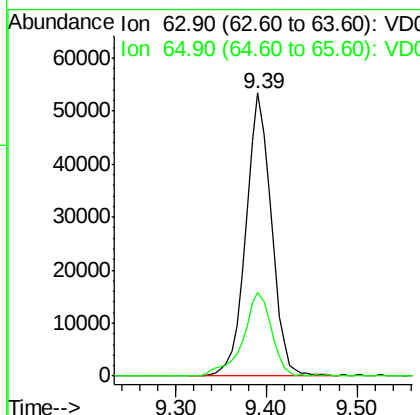
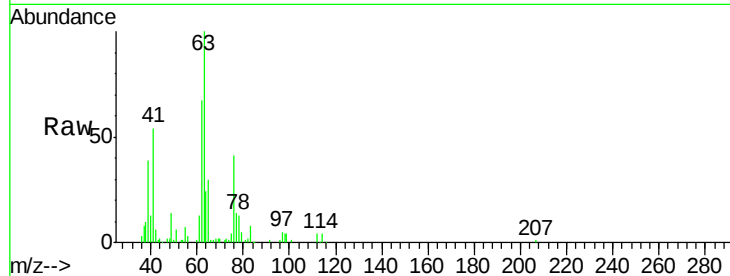
#45
 1,2-Dichloropropane
 Concen: 19.843 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0224SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.9	37.3

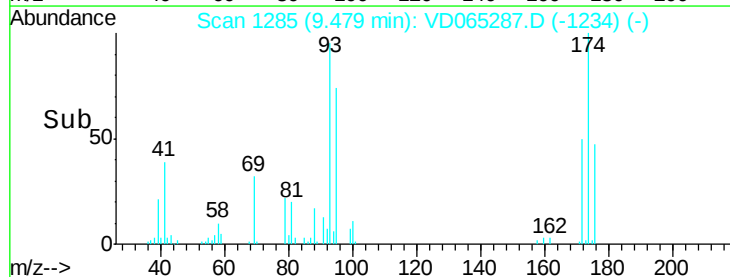
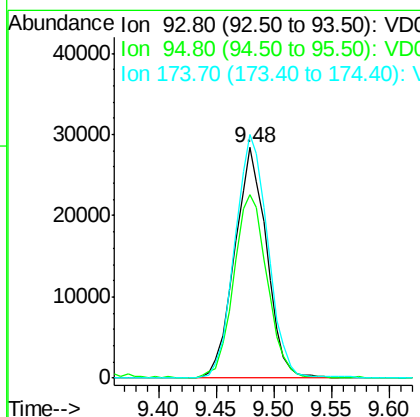
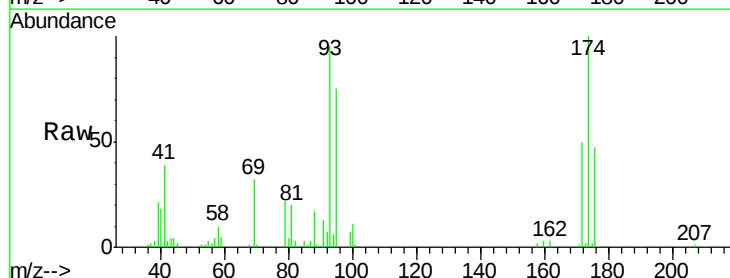
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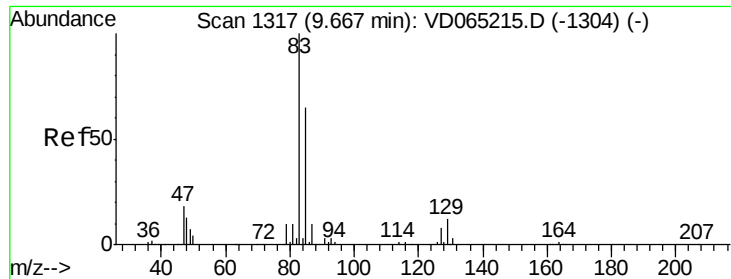
MMDadoda
 2/25/2020 5:15:26 PM



#46
 Dibromomethane
 Concen: 20.217 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	65.8	98.6
174	109.0	86.8	130.2





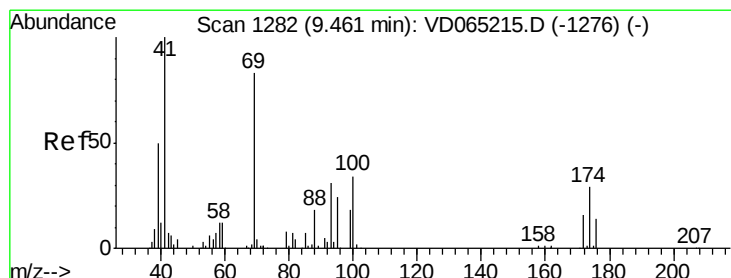
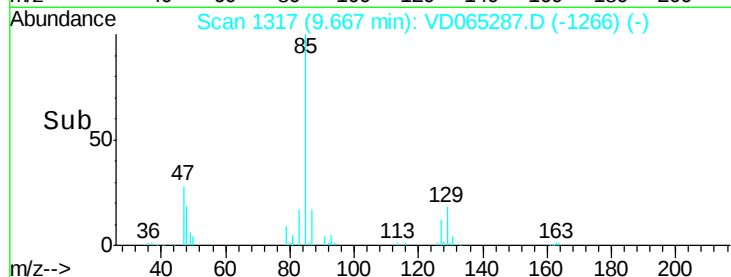
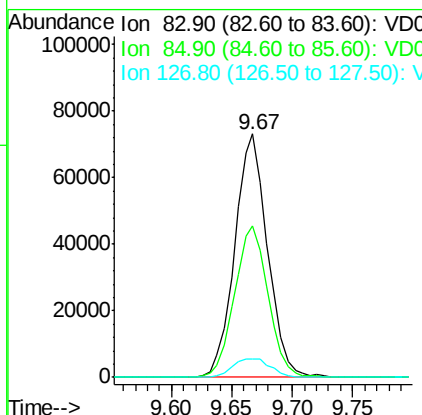
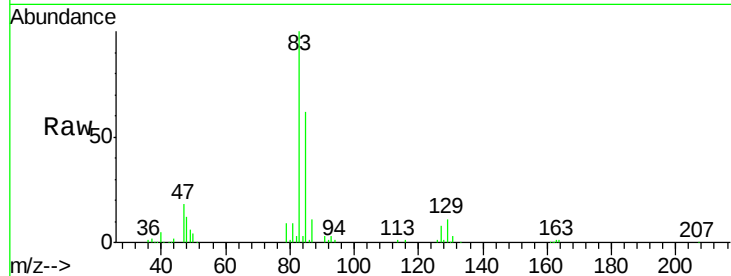
#47
Bromodichloromethane
Concen: 19.451 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBSD01

Tot Ion	83	Resp	138250
Ion Ratio	100	Lower	Upper
83	100		
85	62.2	52.0	78.0
127	7.6	6.7	10.1

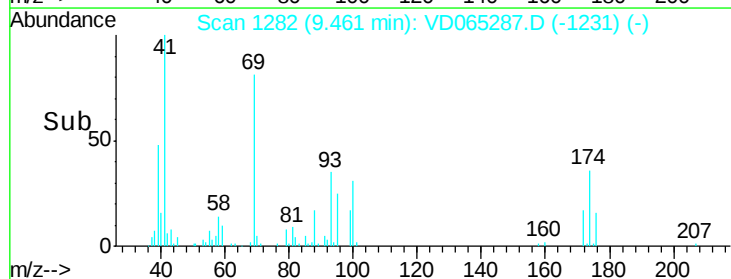
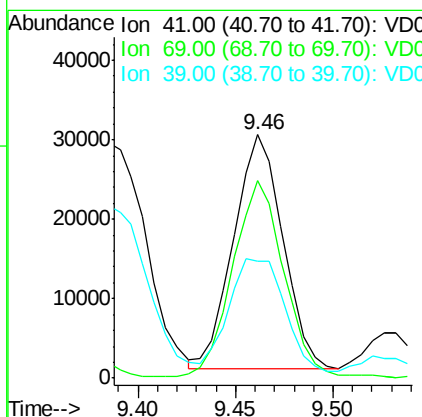
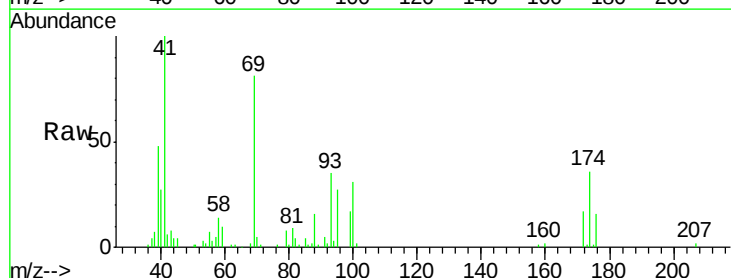
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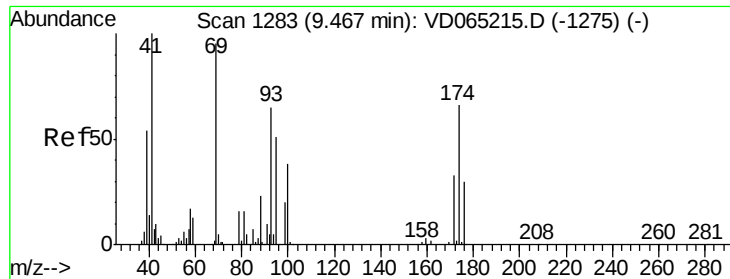
MMDadoda
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#48
Methyl methacrylate
Concen: 19.619 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion	41	Resp	51487
Ion Ratio	100	Lower	Upper
41	100		
69	89.2	68.2	102.2
39	54.1	42.0	63.0





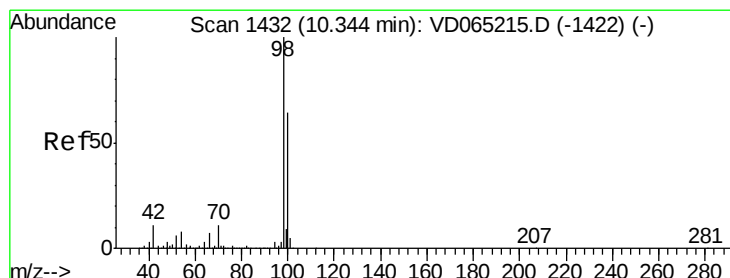
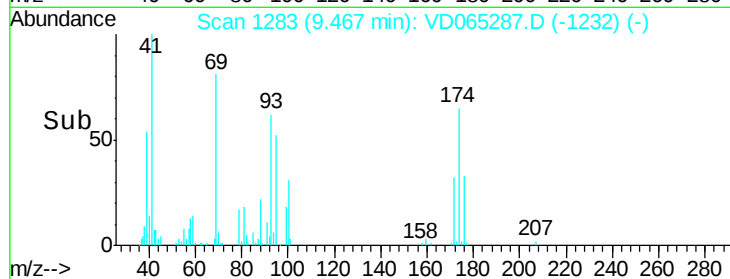
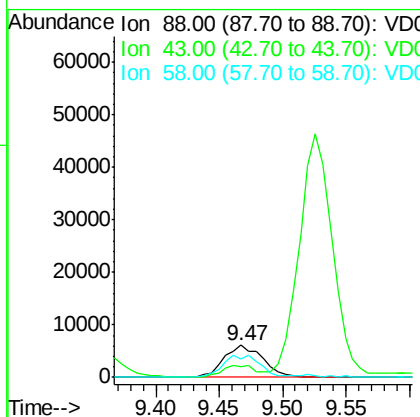
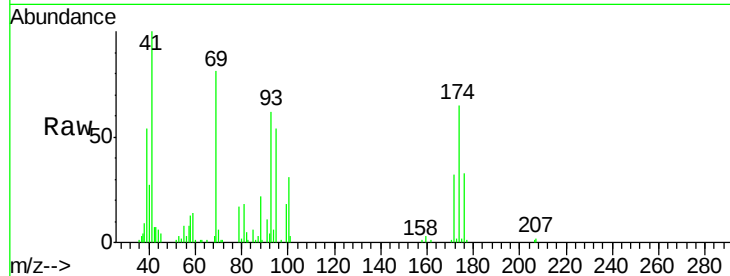
#49
1,4-Dioxane
Concen: 413.567 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion	88	Resp	13082
Ion Ratio	Lower	Upper	
88	100		
43	33.0	28.5	42.7
58	67.1	58.6	87.8

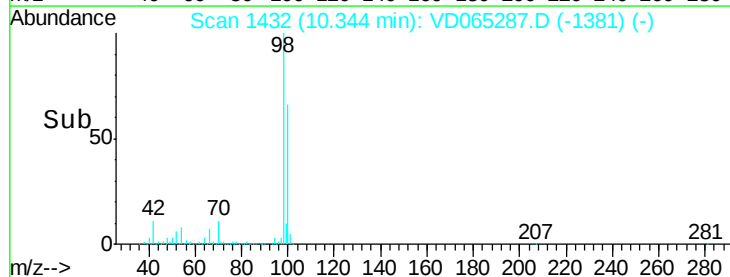
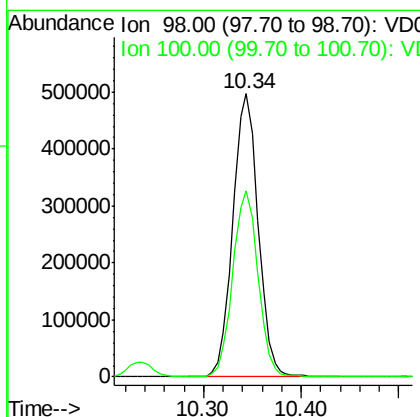
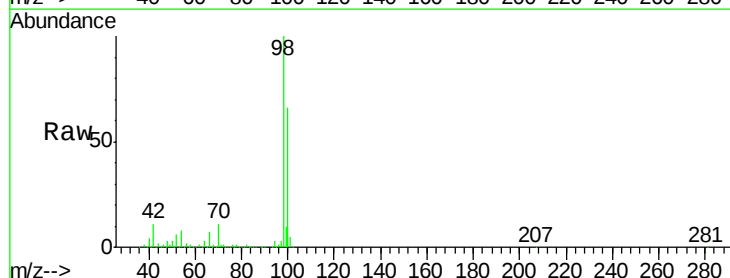
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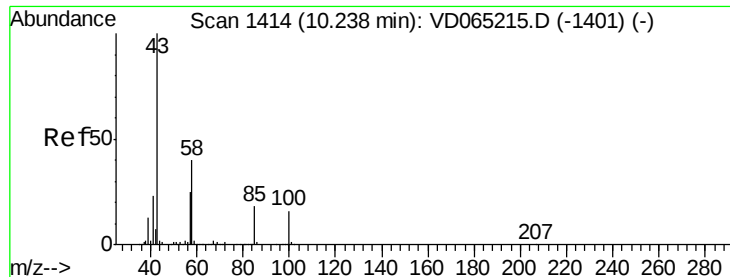
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#50
Toluene-d8
Concen: 50.074 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion	98	Resp	895910
Ion Ratio	Lower	Upper	
98	100		
100	65.3	52.0	78.0





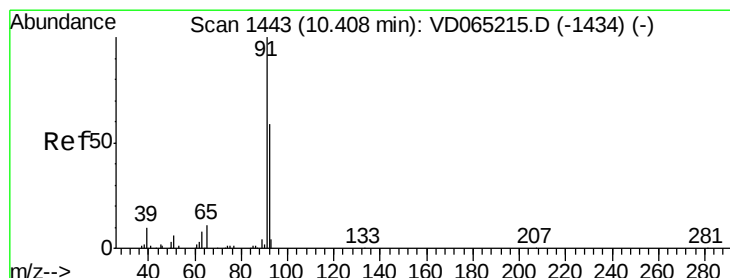
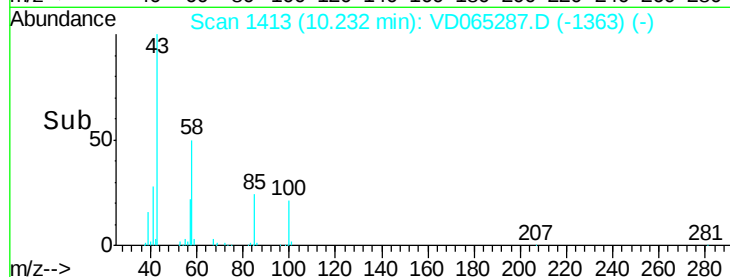
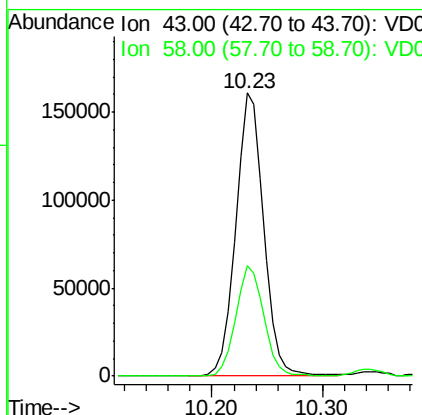
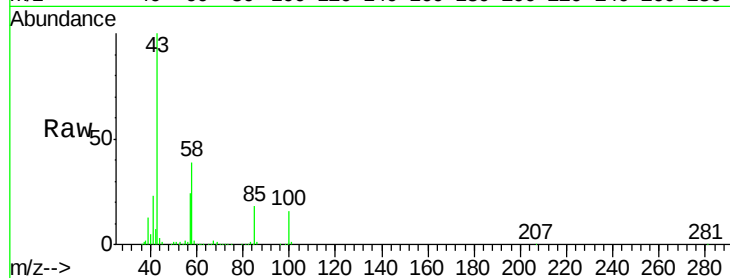
#51
4-Methyl-2-Pentanone
Concen: 99.047 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion	43	Resp	285623
Ion Ratio	100	Lower	Upper
43	100		
58	39.0	31.1	46.7

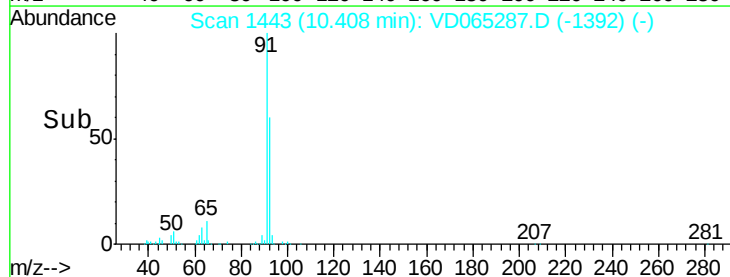
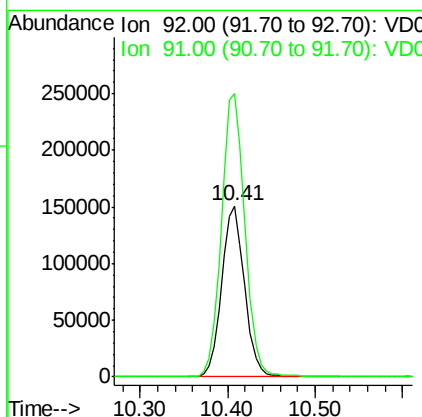
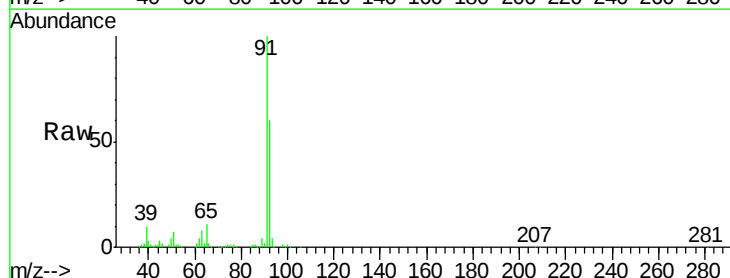
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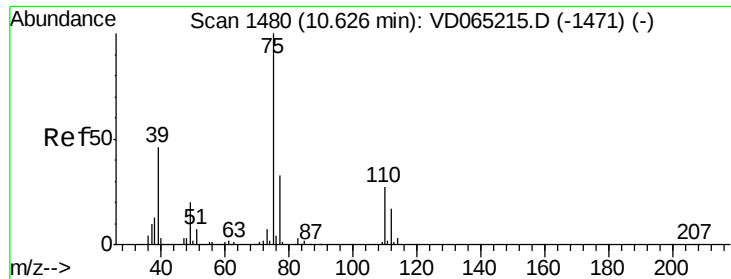
MMDadoda
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#52
Toluene
Concen: 20.799 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion	92	Resp	271394
Ion Ratio	100	Lower	Upper
92	100		
91	170.2	136.3	204.5





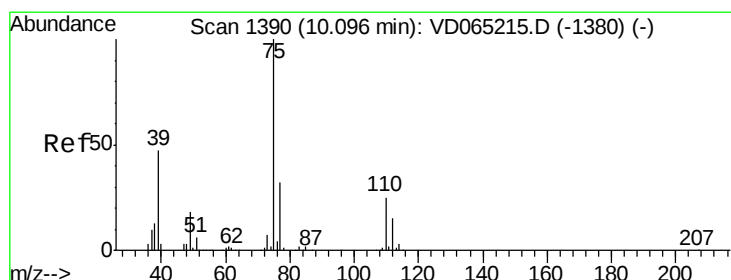
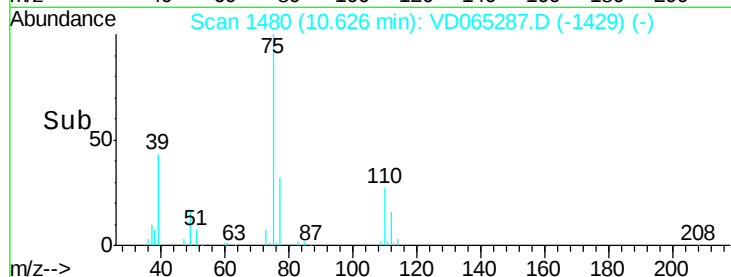
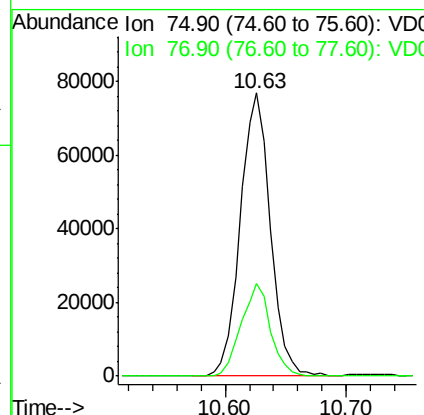
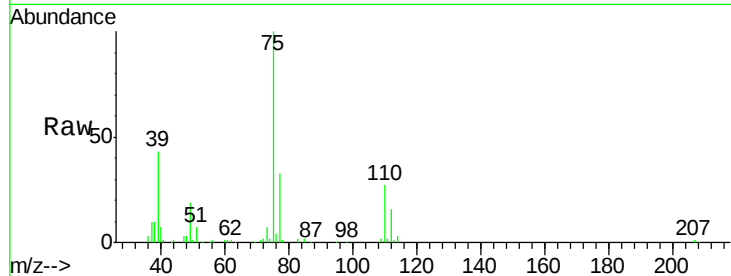
#53
t-1,3-Dichloropropene
Concen: 20.240 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion: 75 Resp: 133343
Ion Ratio Lower Upper
75 100
77 32.7 26.6 40.0

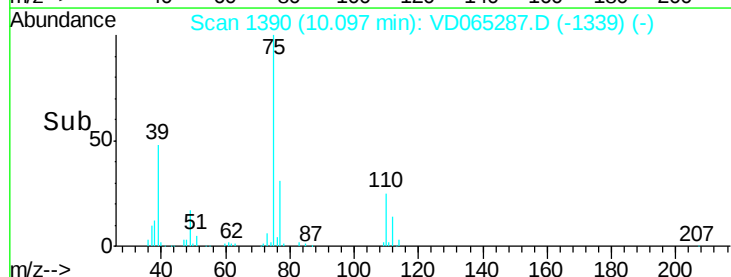
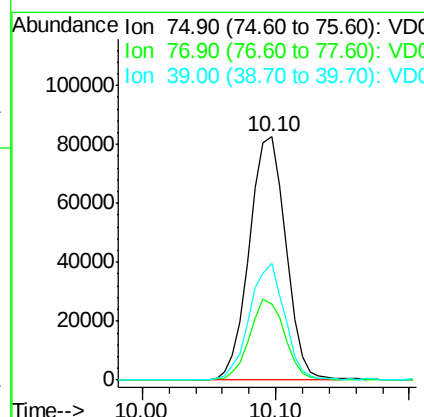
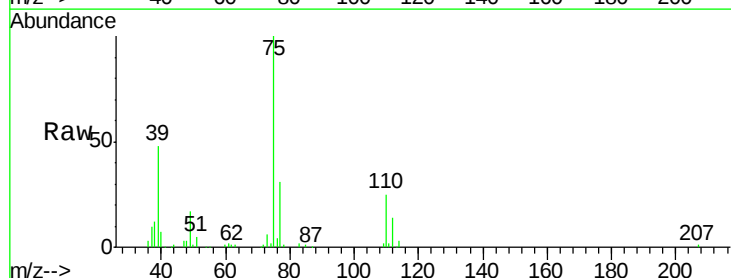
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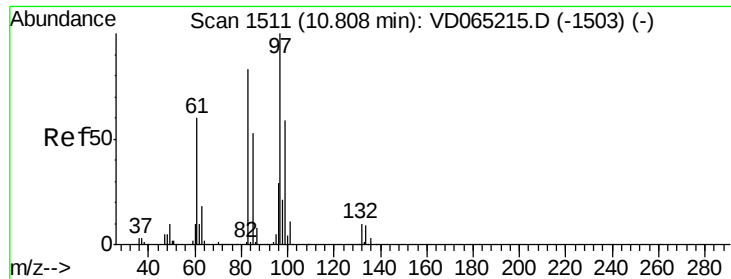
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#54
cis-1,3-Dichloropropene
Concen: 19.657 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion: 75 Resp: 156378
Ion Ratio Lower Upper
75 100
77 31.2 25.8 38.8
39 47.6 37.3 55.9





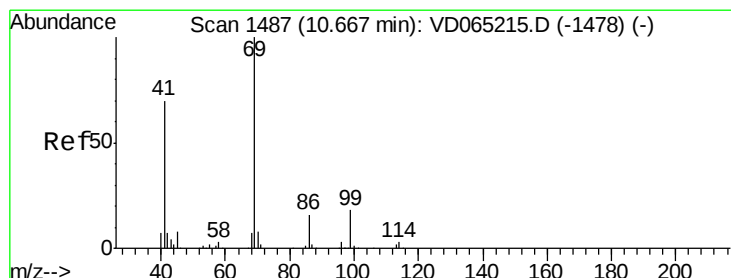
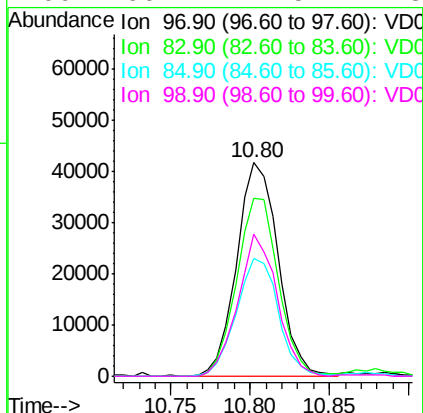
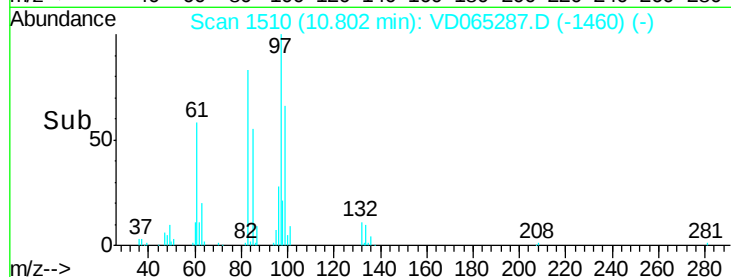
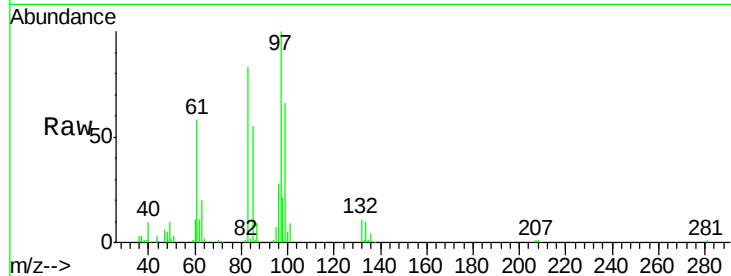
#55
 1,1,2-Trichloroethane
 Concen: 19.970 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0224SBSD01

Tot Ion:	97	Resp:	75809
Ion	Ratio	Lower	Upper
97	100		
83	83.4	66.7	100.1
85	55.0	42.4	63.6
99	66.2	47.5	71.3

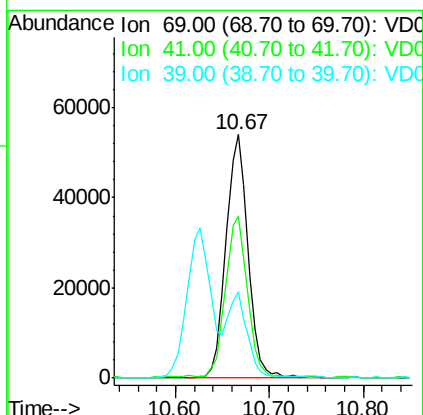
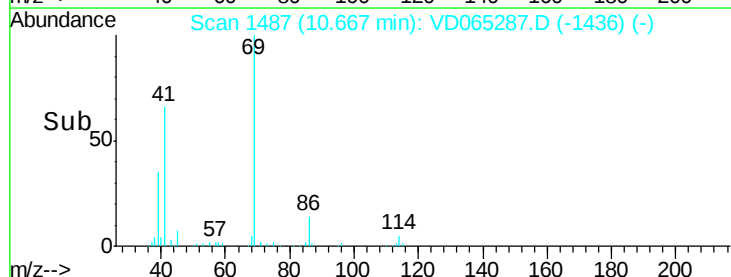
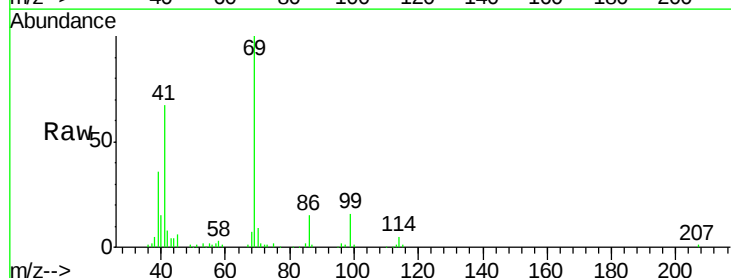
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#56
 Ethyl methacrylate
 Concen: 20.185 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Tgt Ion:	69	Resp:	88442
Ion	Ratio	Lower	Upper
69	100		
41	67.5	54.6	81.8
39	30.7	26.5	39.7





#57

1,3-Dichloropropane

Concen: 20.015 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0224SBSD01

Tot Ion: 76 Resp: 129311

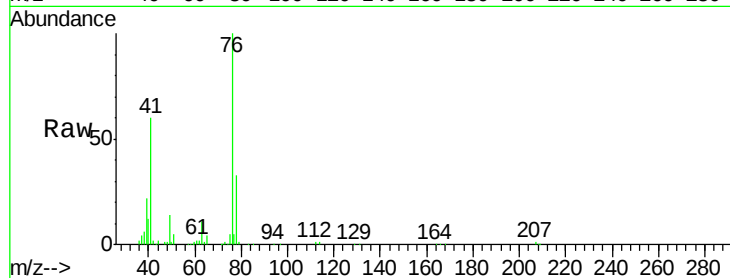
Ion Ratio Lower Upper

76 100

78 32.8 26.3 39.5

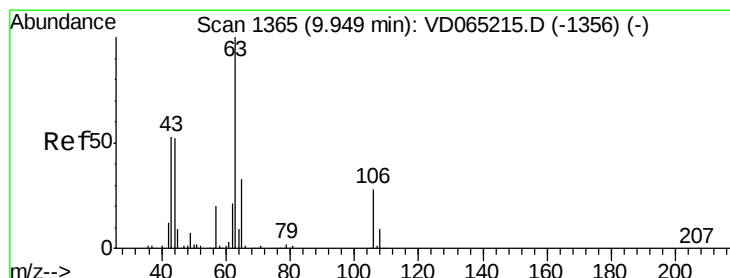
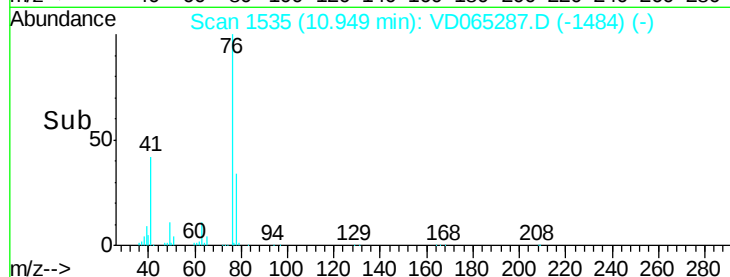
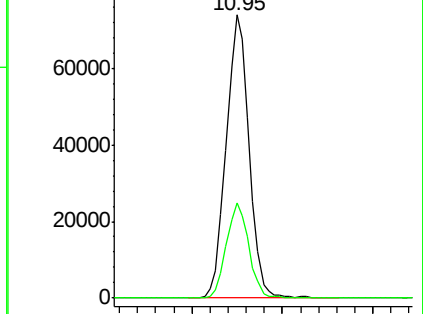
Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 96.715 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065287.D

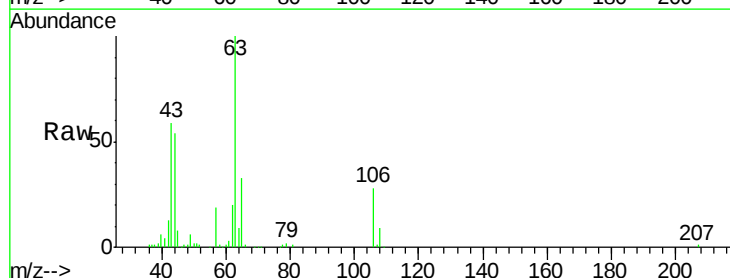
Acq: 24 Feb 2020 11:41

Tgt Ion: 63 Resp: 133599

Ion Ratio Lower Upper

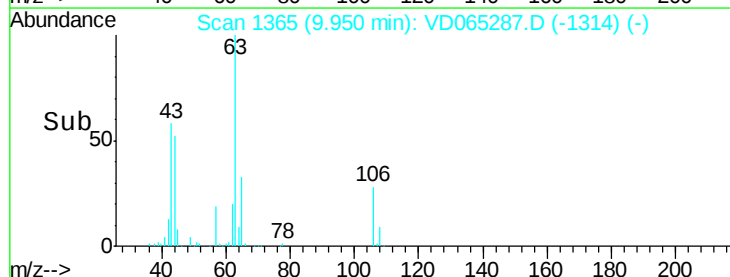
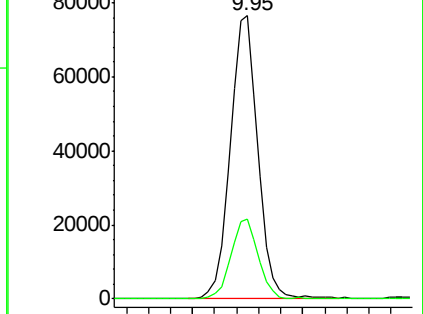
63 100

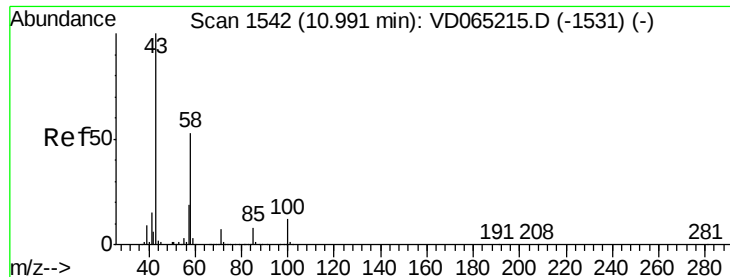
106 27.8 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





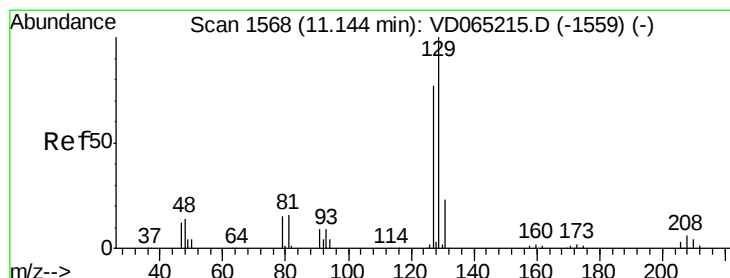
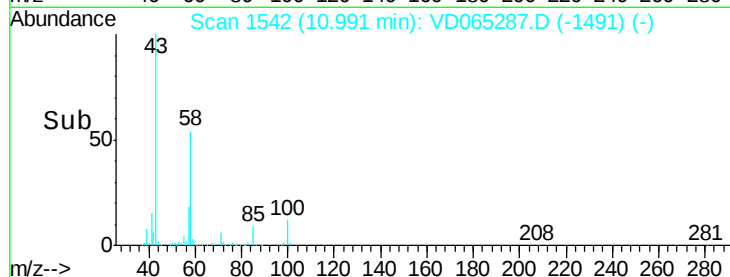
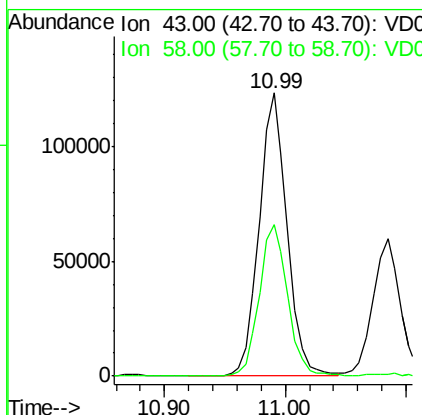
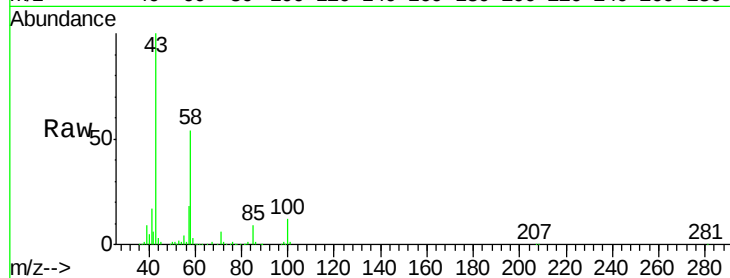
#59
2-Hexanone
Concen: 96.243 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBSD01

Tot Ion: 43 Resp: 198672
Ion Ratio Lower Upper
43 100
58 54.4 26.3 78.8

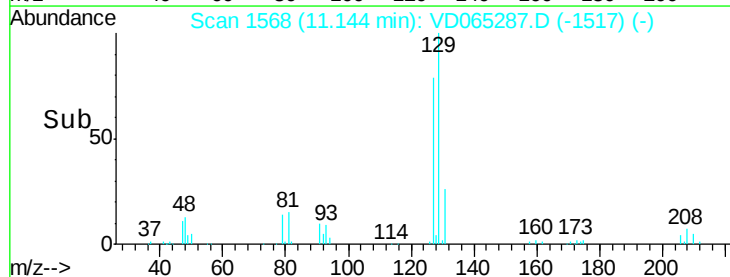
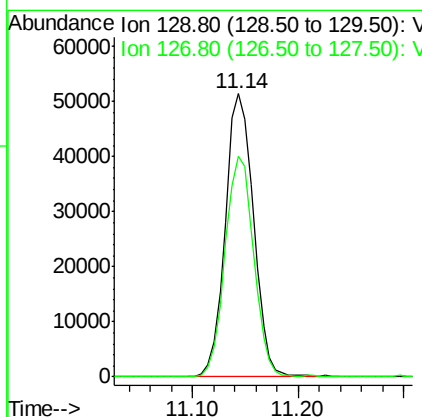
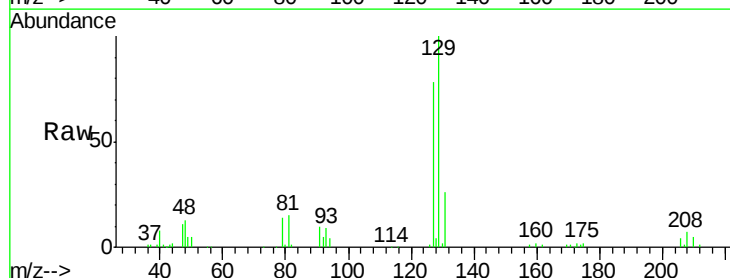
Manual Integrations
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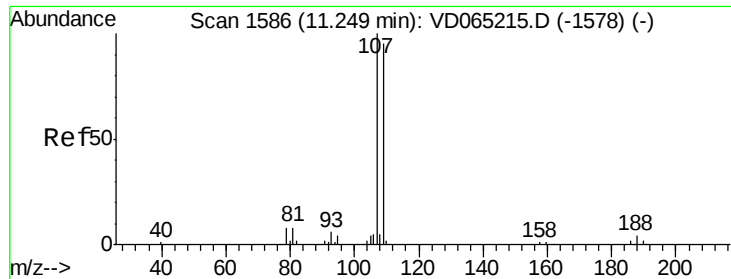
MMDadoda
2/25/2020 5:15:26 PM



#60
Dibromochloromethane
Concen: 19.552 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion: 129 Resp: 94995
Ion Ratio Lower Upper
129 100
127 78.8 38.7 116.1





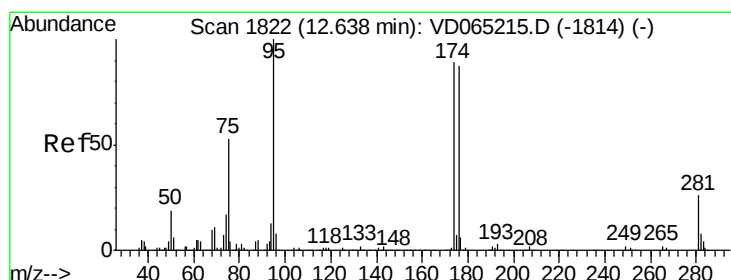
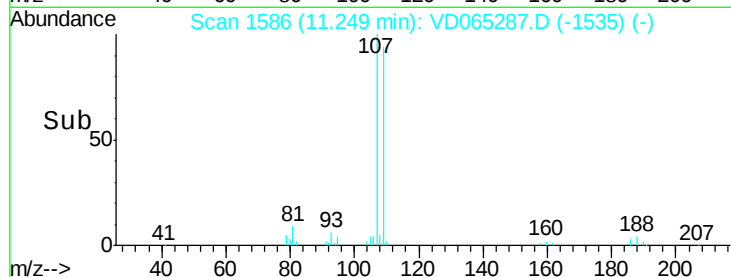
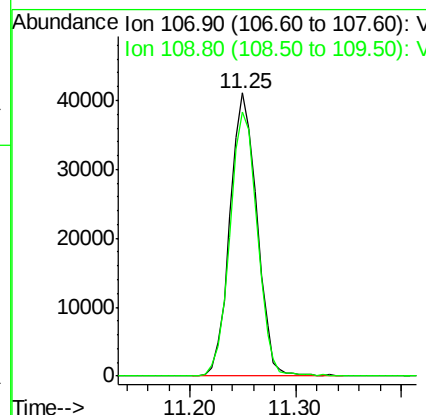
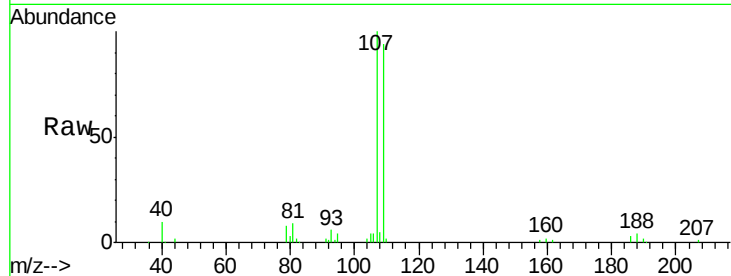
#61
 1,2-Dibromoethane
 Concen: 20.160 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0224SBSD01

Tot Ion: 107 Resp: 72459
 Ion Ratio Lower Upper
 107 100
 109 94.8 76.2 114.4

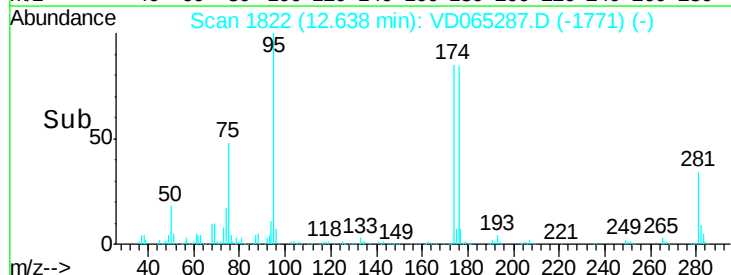
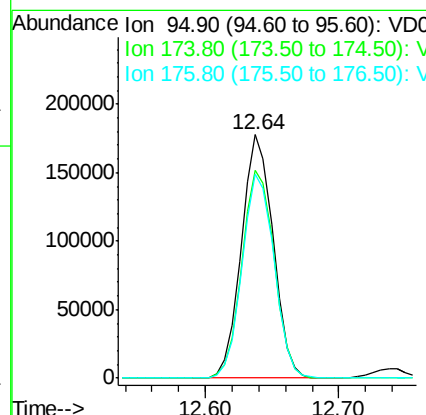
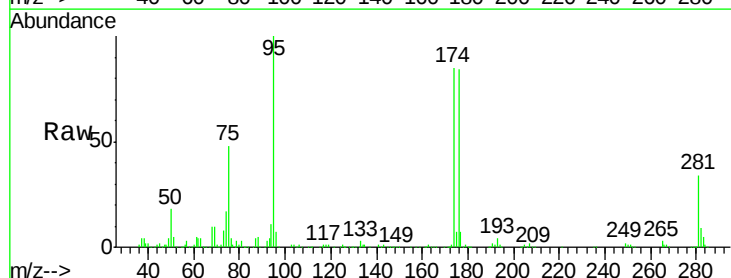
Manual Integrations
 APPROVED

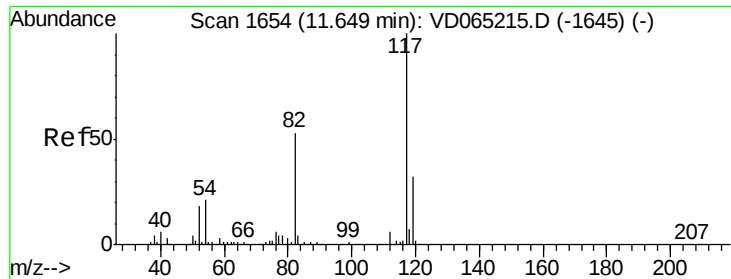
MMDadoda
 2/25/2020 5:15:26 PM



#62
 4-Bromofluorobenzene
 Concen: 51.462 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Tgt Ion: 95 Resp: 291689
 Ion Ratio Lower Upper
 95 100
 174 87.0 0.0 178.0
 176 84.5 0.0 174.4





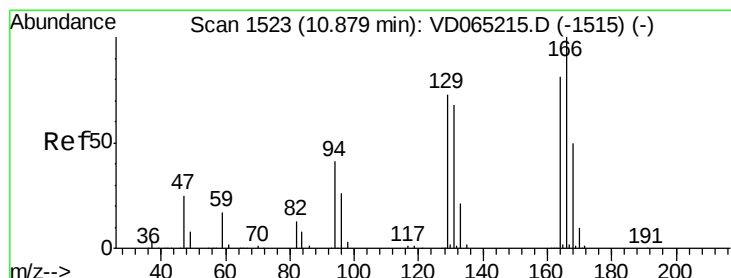
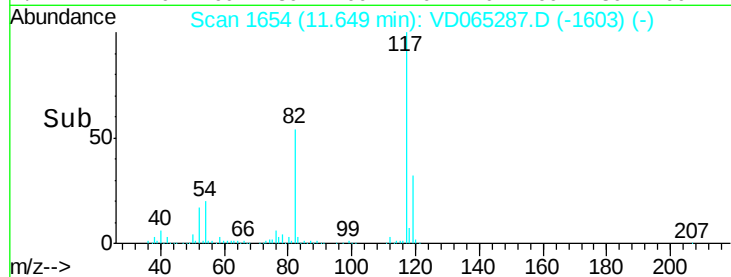
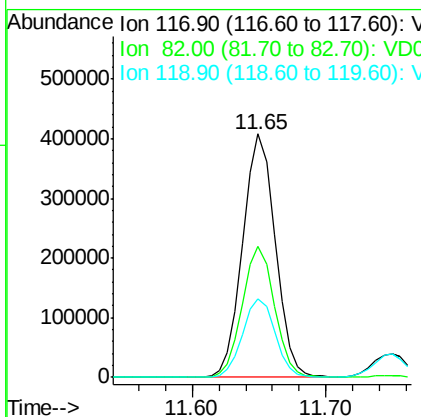
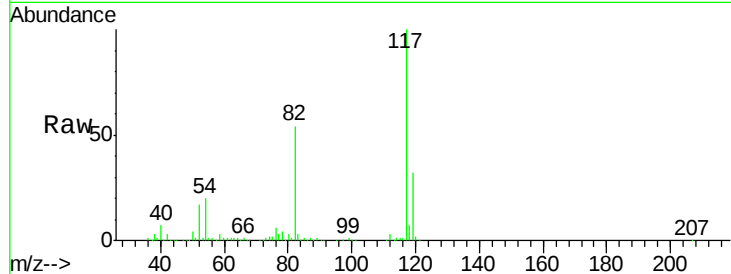
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.7	64.1
119	32.1	25.5	38.3

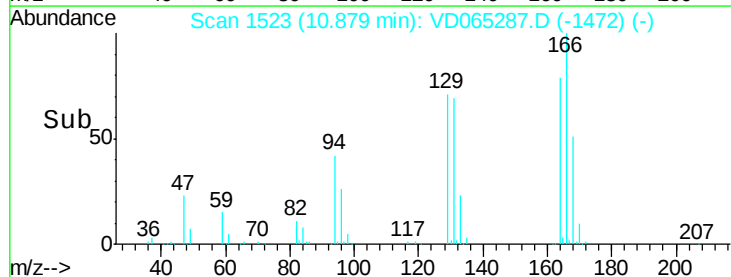
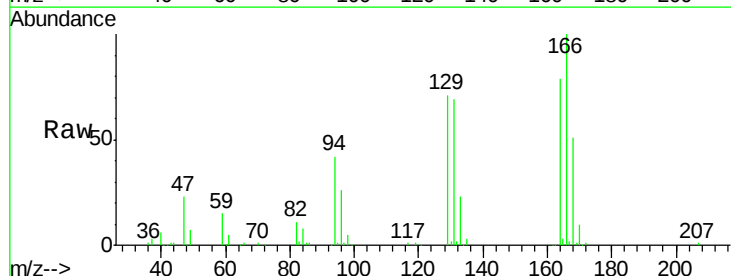
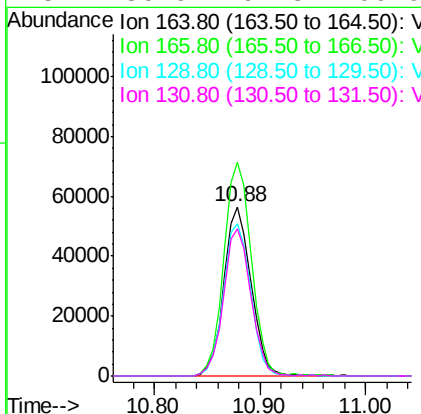
Manual Integrations
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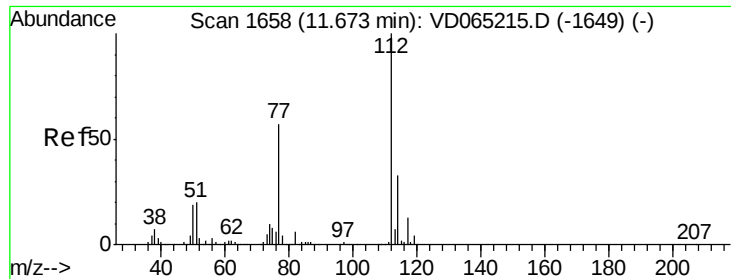
MMDadoda
2/25/2020 5:15:26 PM



#64
Tetrachloroethene
Concen: 20.581 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	98.4	147.6
129	90.0	71.6	107.4
131	86.9	67.3	100.9





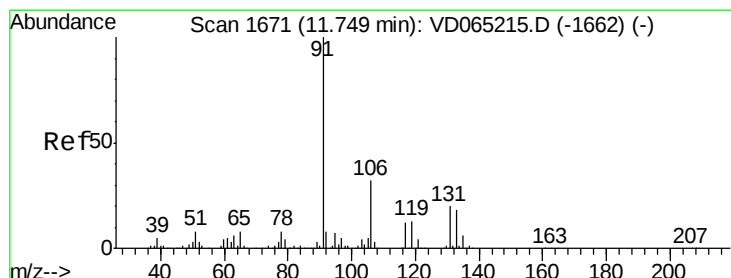
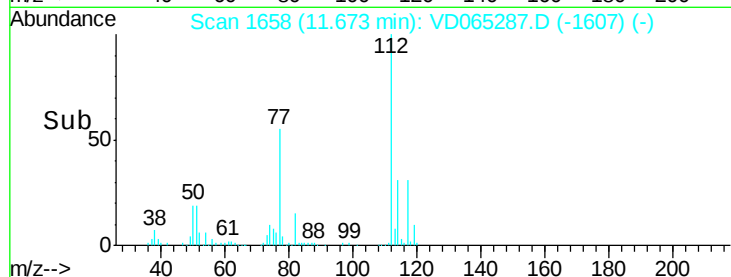
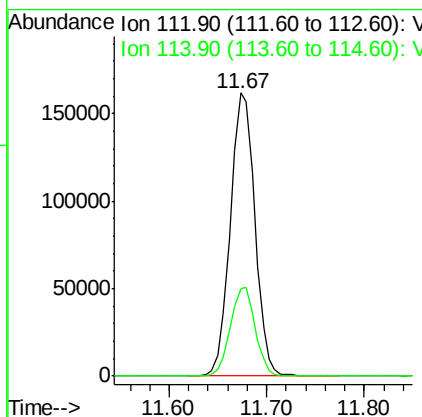
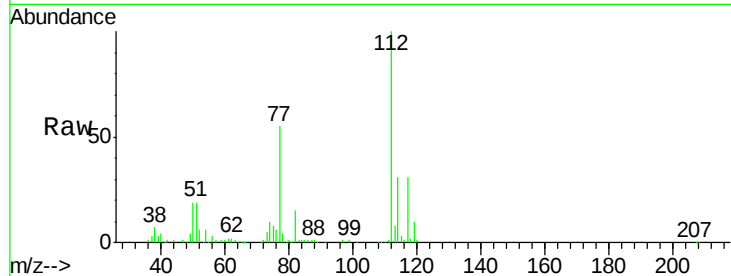
#65
Chlorobenzene
Concen: 20.456 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	283119		
114	30.7	26.4	39.6	

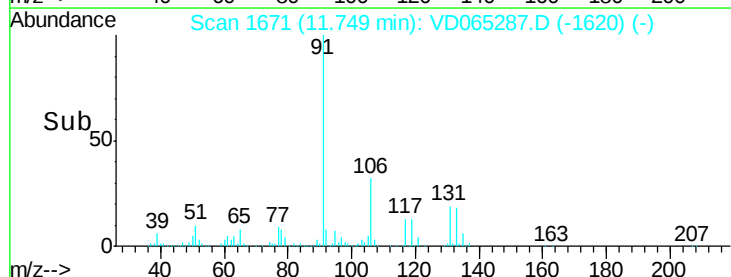
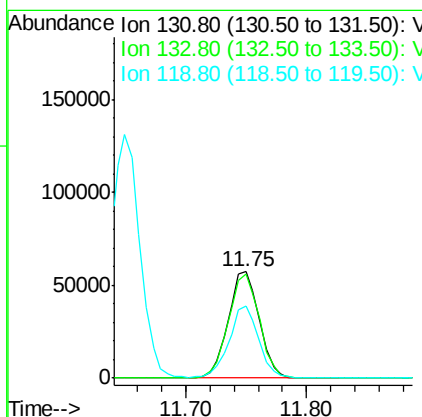
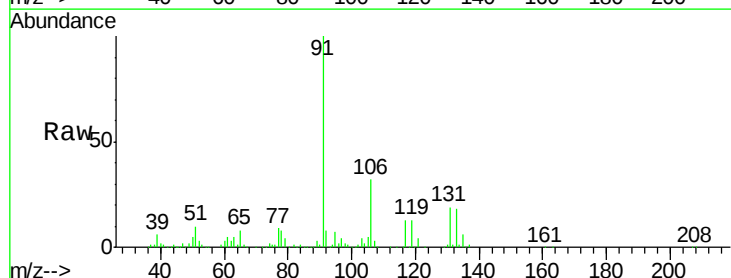
Manual Integrations
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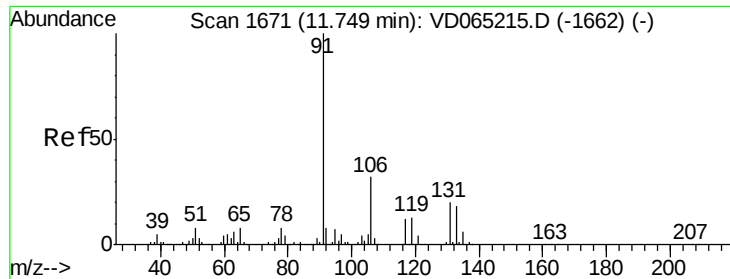
MMDadoda
2/25/2020 5:15:26 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.812 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	102328		
133	98.0	47.7	143.1	
119	64.9	32.7	98.1	





#67

Ethyl Benzene

Concen: 20.206 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0224SBS01

Tot Ion: 91 Resp: 489793

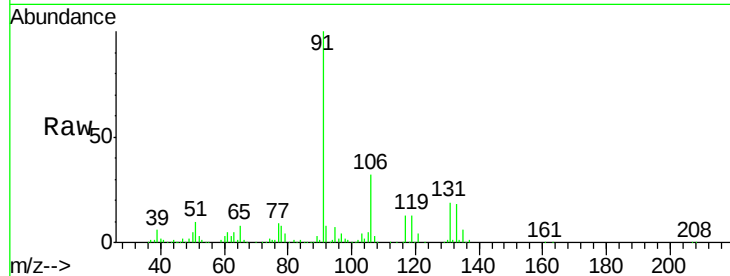
Ion Ratio Lower Upper

91 100

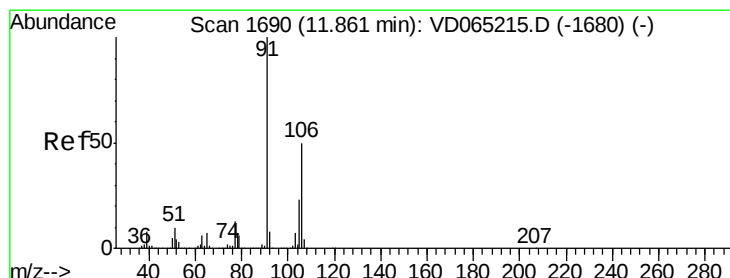
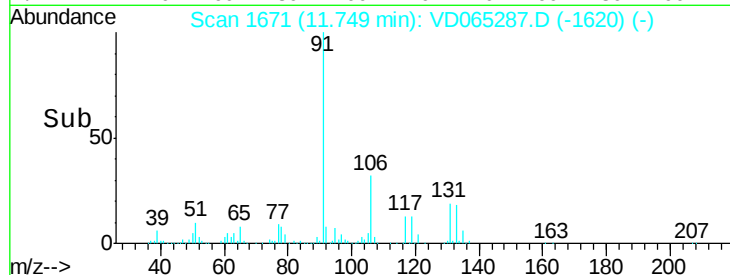
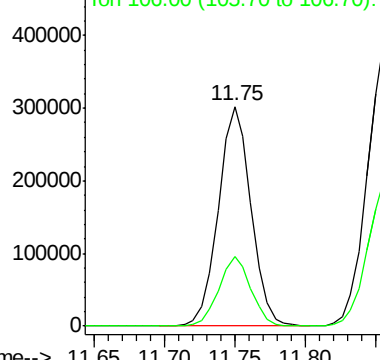
106 31.9 25.2 37.8

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VD065215.D (-1662) (-)



#68

m/p-Xylenes

Concen: 41.682 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065287.D

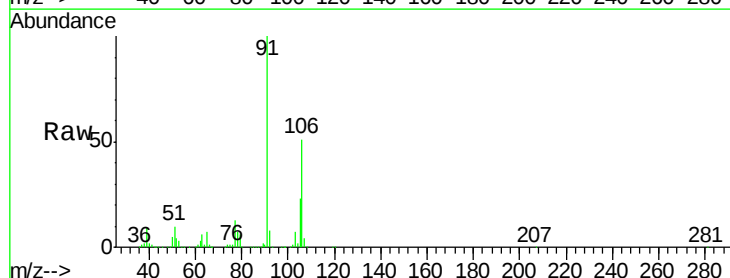
Acq: 24 Feb 2020 11:41

Tgt Ion: 106 Resp: 386566

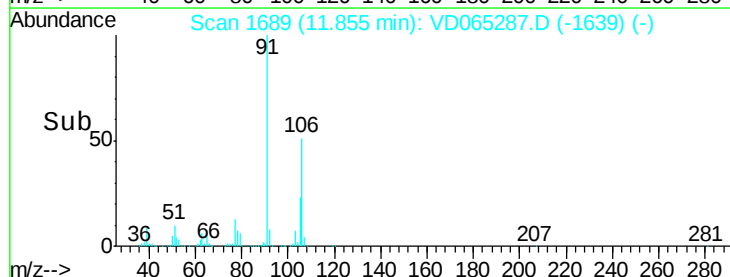
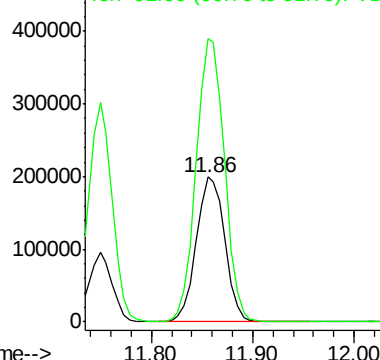
Ion Ratio Lower Upper

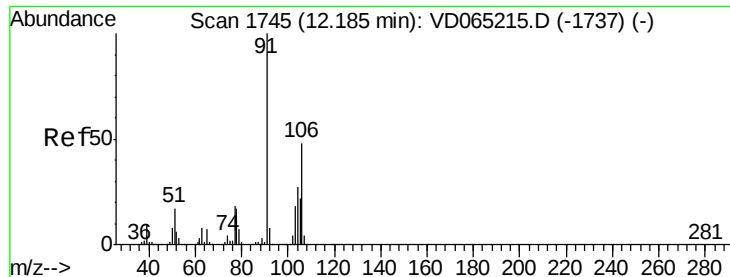
106 100

91 195.4 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VD065215.D (-1680) (-)





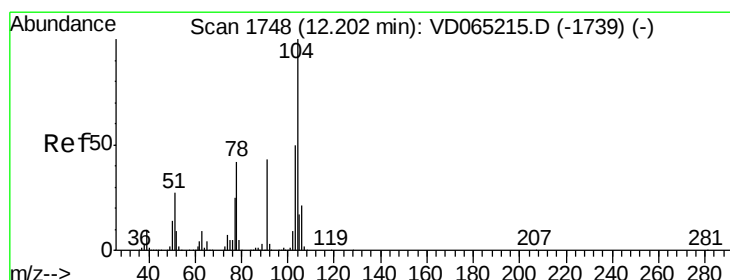
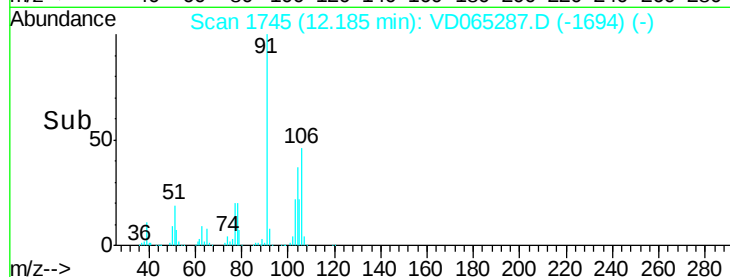
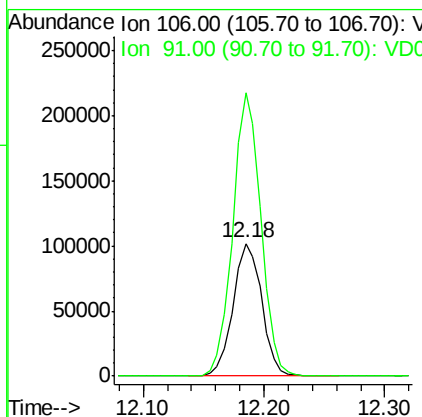
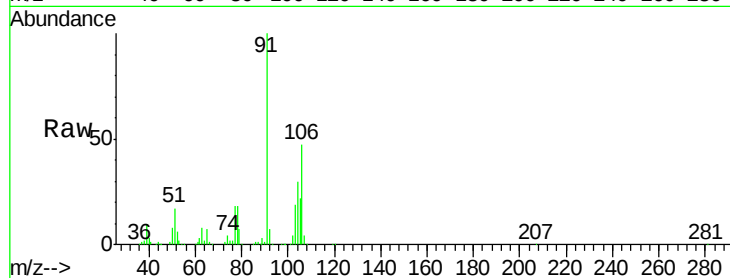
#69
o-Xylene
Concen: 20.507 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.6	104.7	313.9	

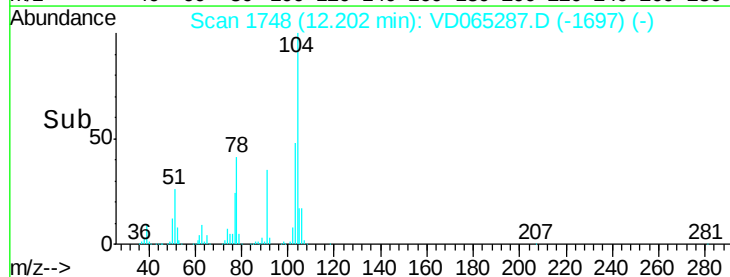
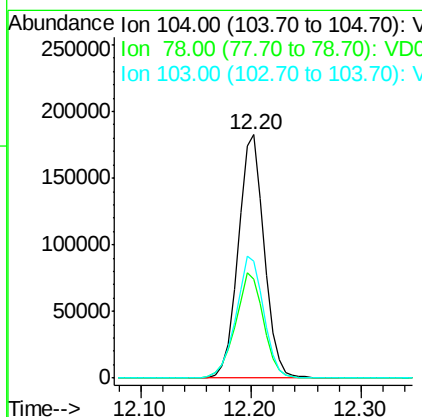
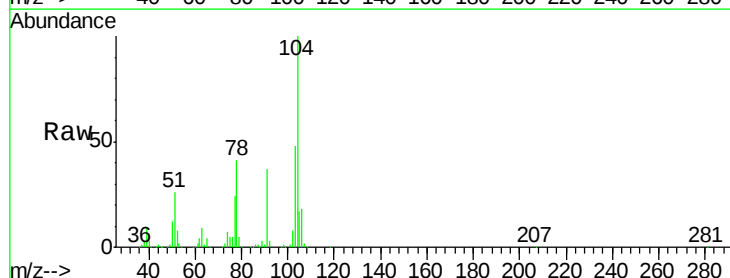
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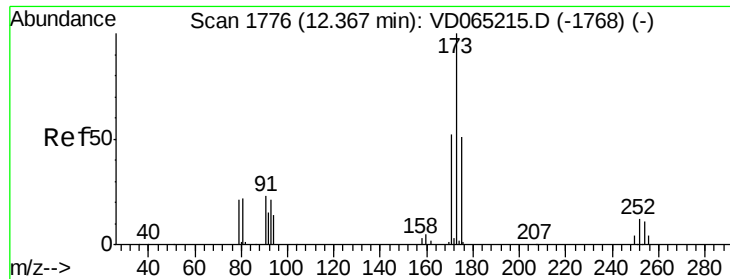
MMDadoda
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#70
Styrene
Concen: 20.674 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.8	37.8	56.6	
103	53.4	43.4	65.2	





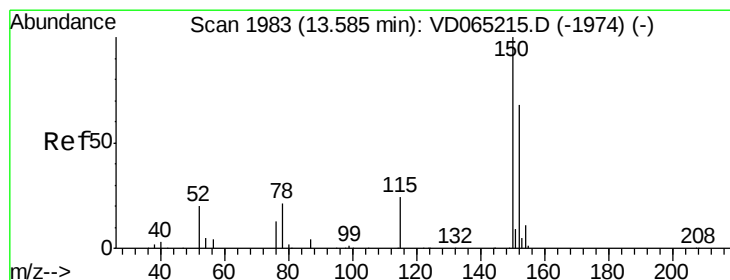
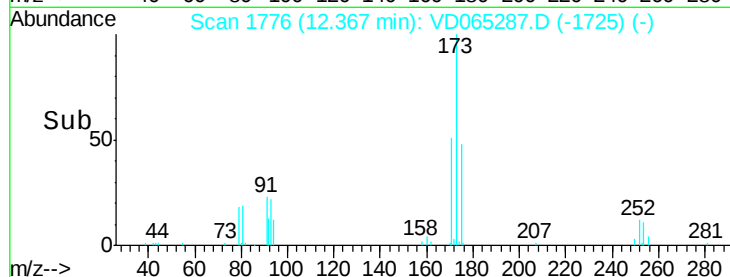
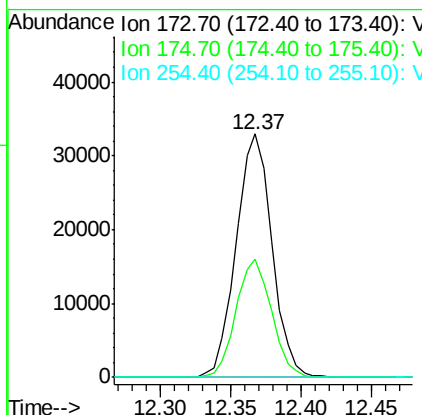
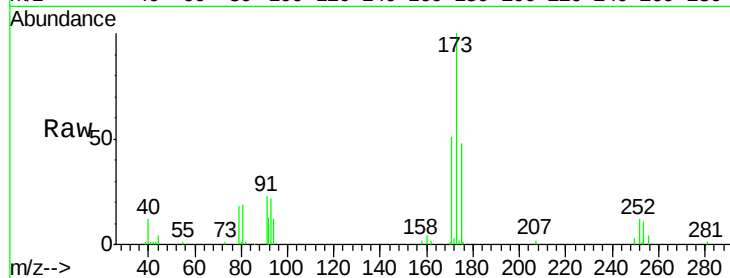
#71
Bromoform
Concen: 20.389 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.4	73.4
254	0.0	0.0	0.0

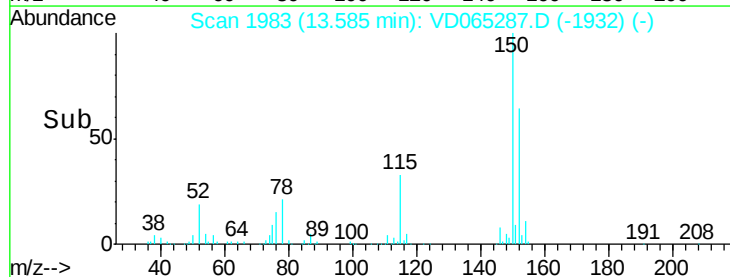
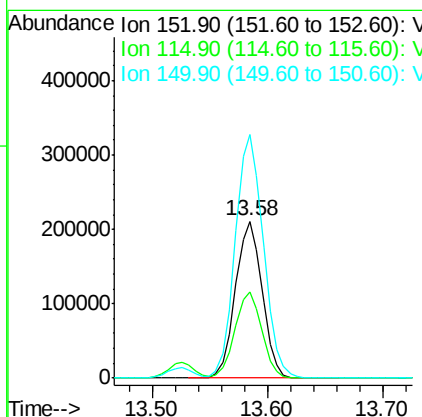
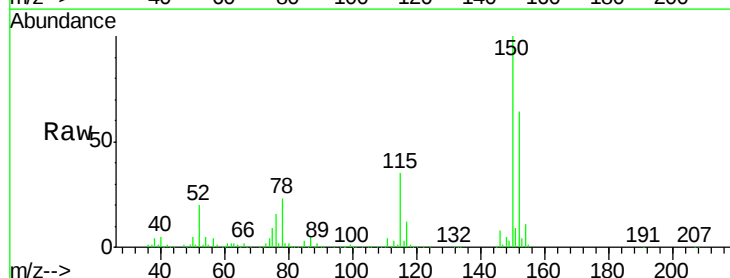
Manual Integrations
APPROVED

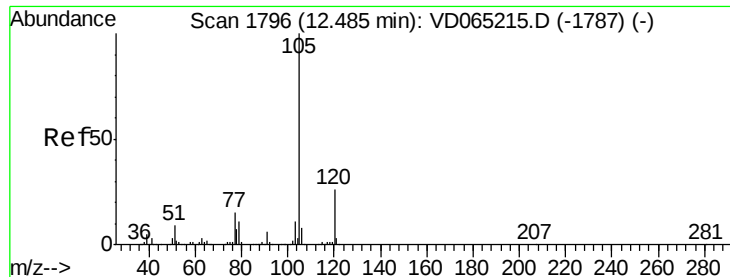
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.6	82.8
150	163.3	0.0	347.4





#73

Isopropylbenzene

Concen: 20.912 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0224SBS01

Tot Ion: 105 Resp: 467867

Ion Ratio Lower Upper

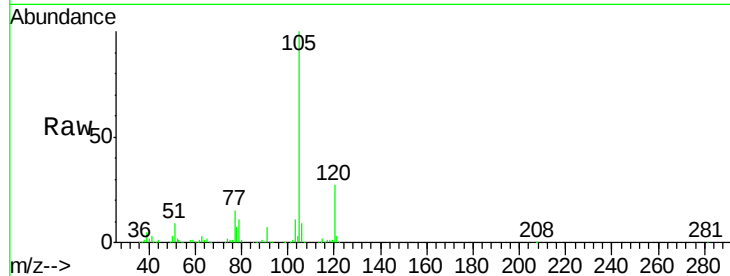
105 100

120 26.6 13.3 39.9

Manual Integrations
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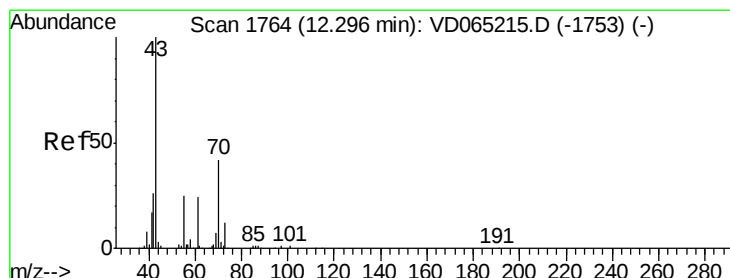
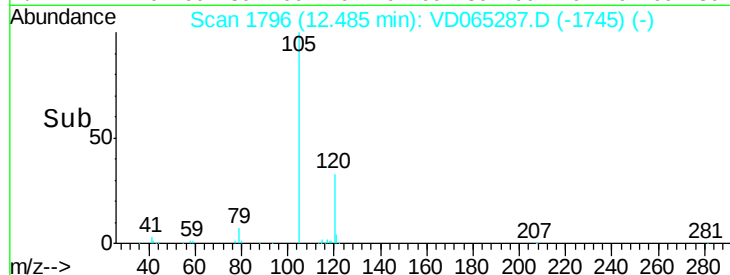
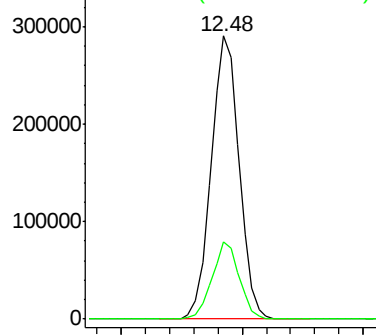
MMDadoda

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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: 19.509 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Tgt Ion: 43 Resp: 96989

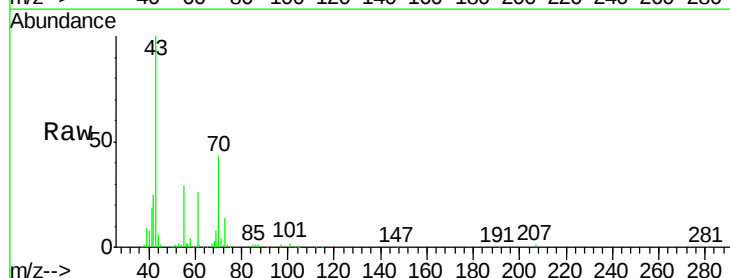
Ion Ratio Lower Upper

43 100

70 42.9 33.7 50.5

55 29.1 20.7 31.1

61 24.8 19.0 28.4

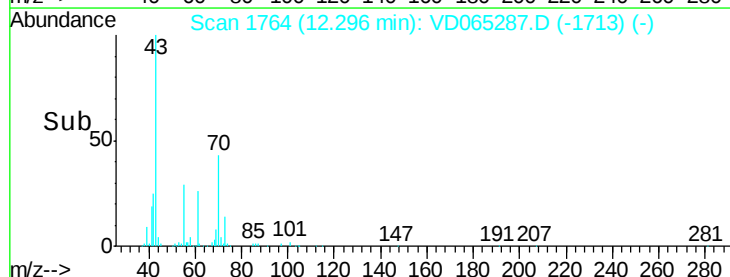
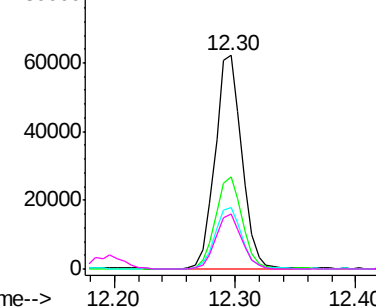


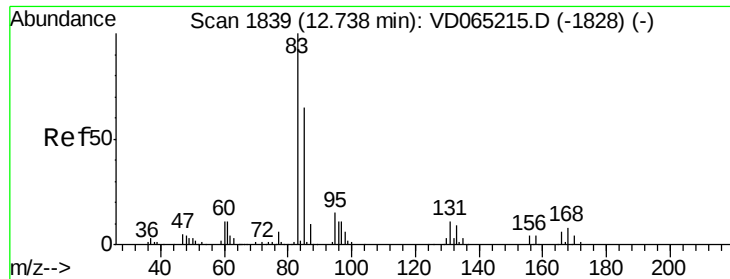
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.817 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

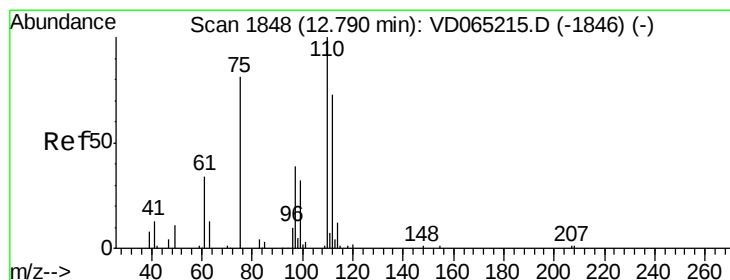
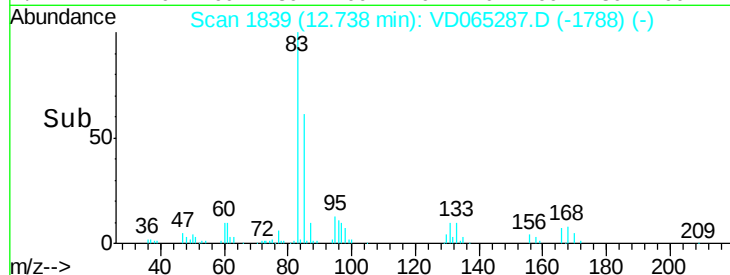
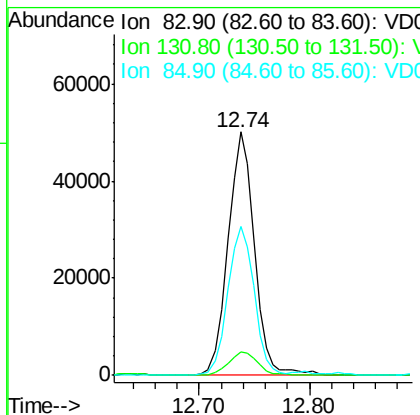
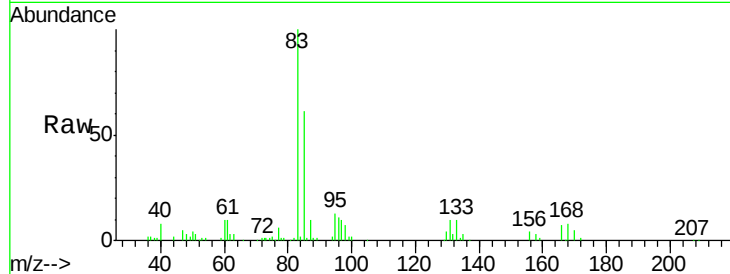
ClientSampleId :

VD0224SBSD01

Tot Ion:	83	Resp:	84059
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	61.2	31.6	94.8

Manual Integrations
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2/25/2020 5:15:26 PM



#76

1,2,3-Trichloropropane

Concen: 18.509 ug/l m

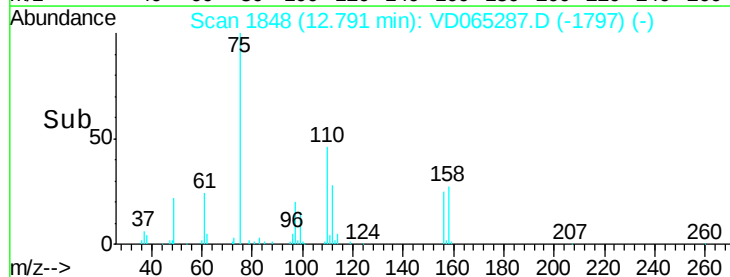
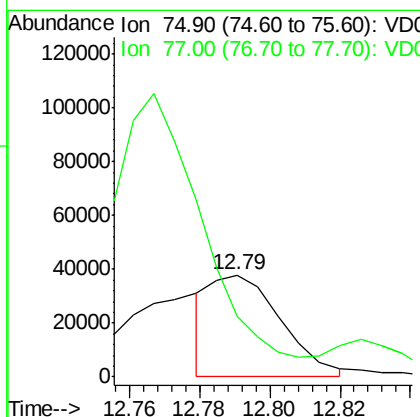
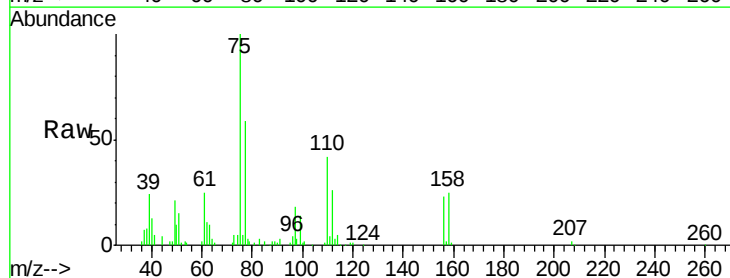
RT: 12.79 min Scan# 1848

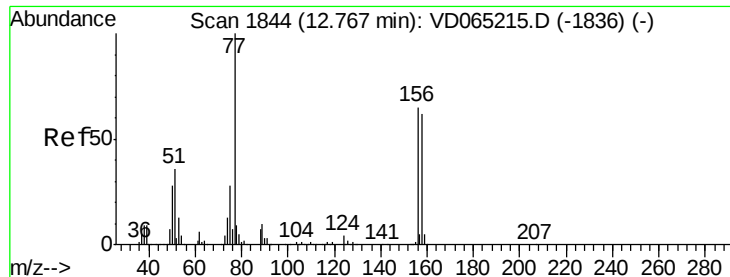
Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Tgt Ion:	75	Resp:	53220
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.662 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

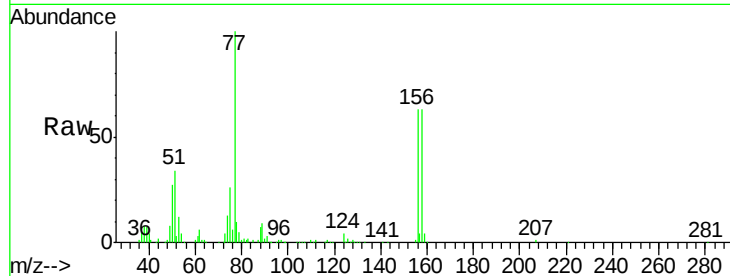
ClientSampleId :

VD0224SBSD01

Tot Ion:	156	Resp:	114795
Ion Ratio	Lower	Upper	
156	100		
77	172.8	86.6	259.7
158	96.5	48.1	144.3

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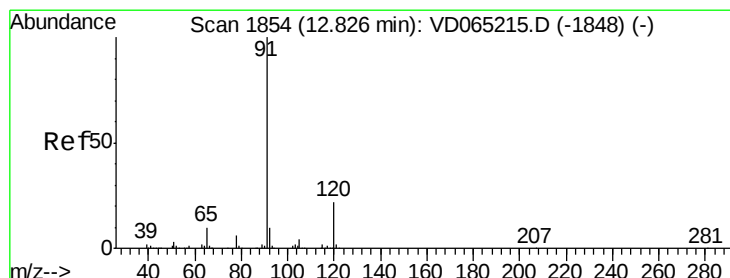
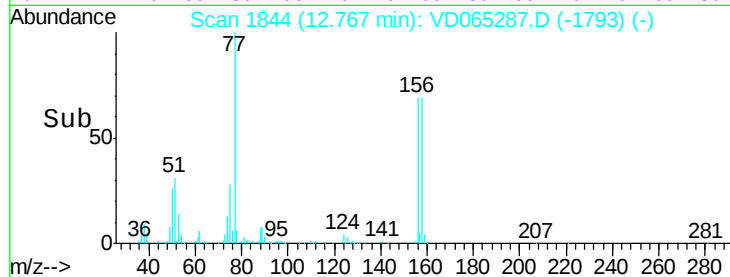
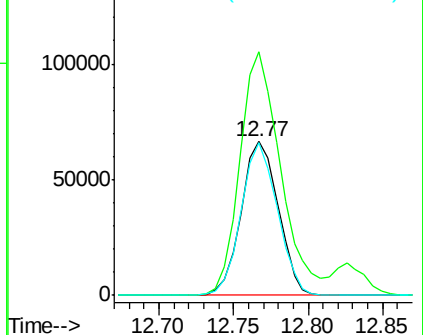
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.759 ug/l

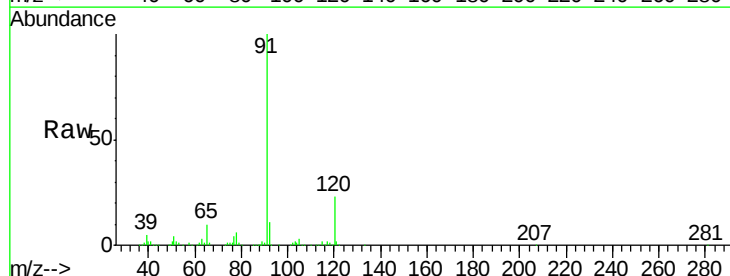
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065287.D

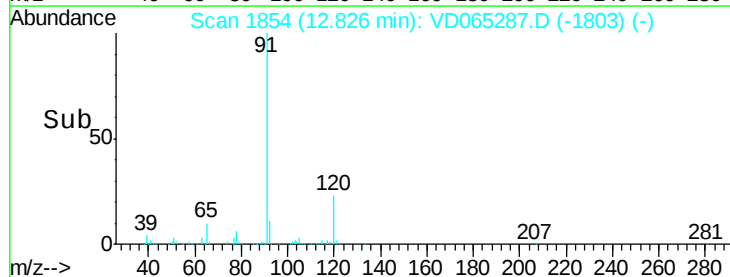
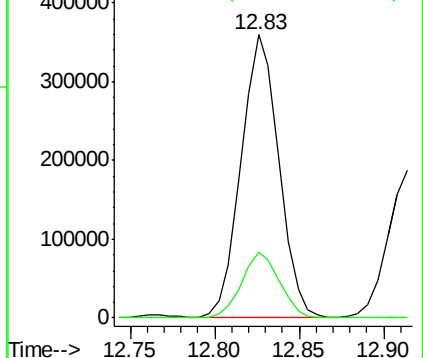
Acq: 24 Feb 2020 11:41

Tgt Ion:	91	Resp:	558151
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.718 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0224SBS01

Tot Ion: 91 Resp: 312064

Ion Ratio Lower Upper

91 100

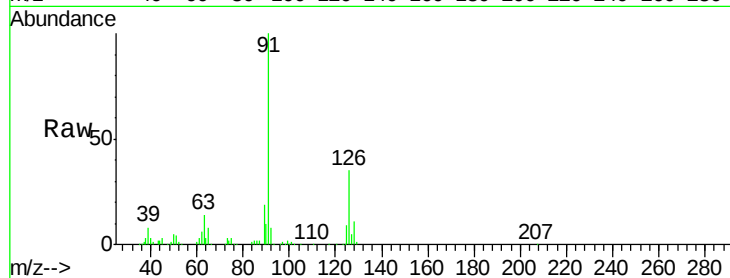
126 35.2 17.5 52.6

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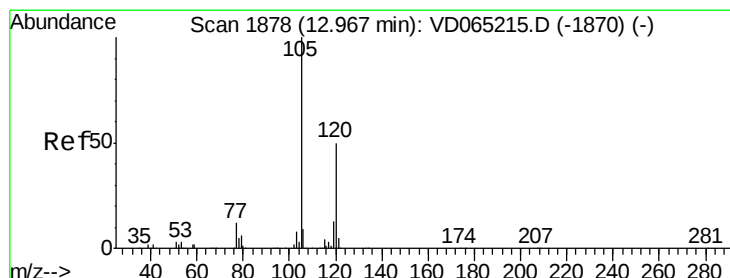
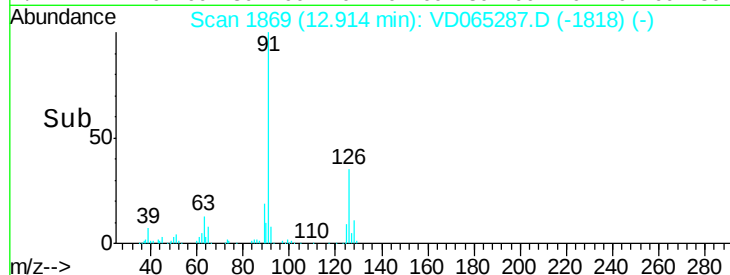
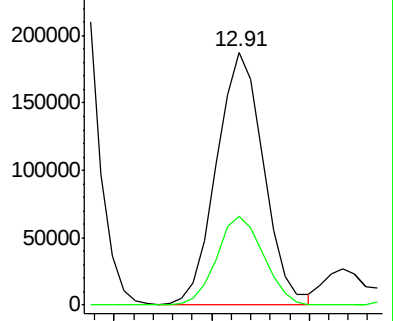
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Abundance Ion 91.00 (90.70 to 91.70): VD065287.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065287.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.986 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065287.D

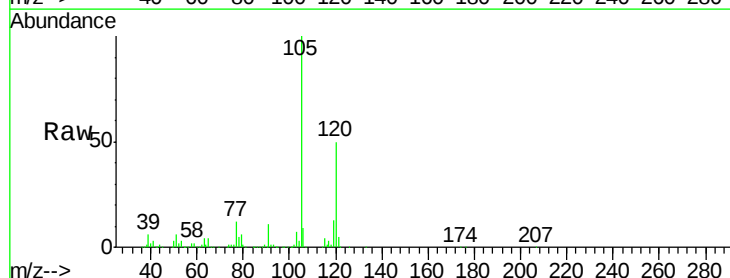
Acq: 24 Feb 2020 11:41

Tgt Ion: 105 Resp: 386713

Ion Ratio Lower Upper

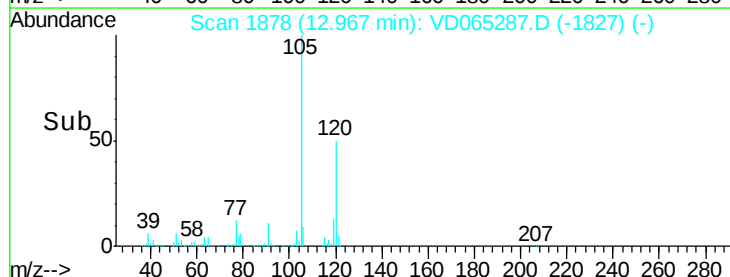
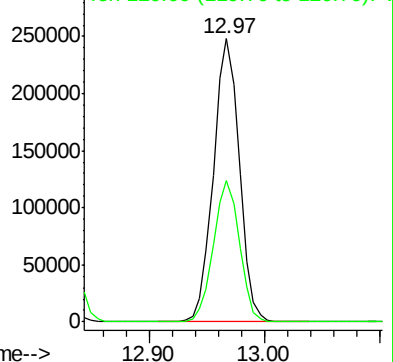
105 100

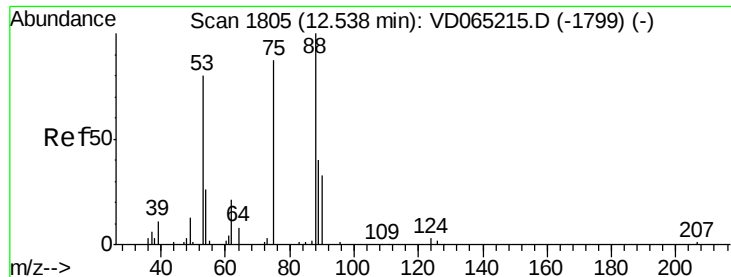
120 50.3 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD065287.D (-1827) (-)

Ion 120.00 (119.70 to 120.70): VD065287.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.131 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

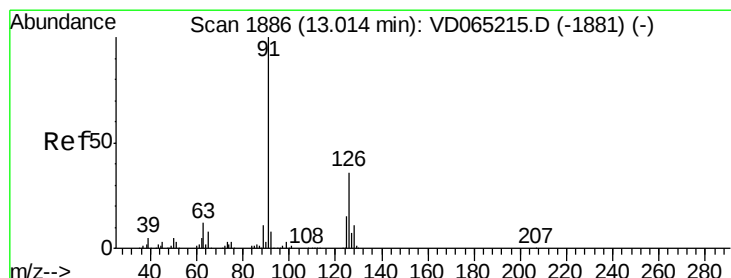
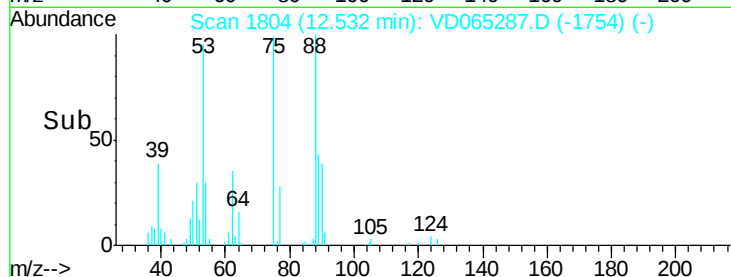
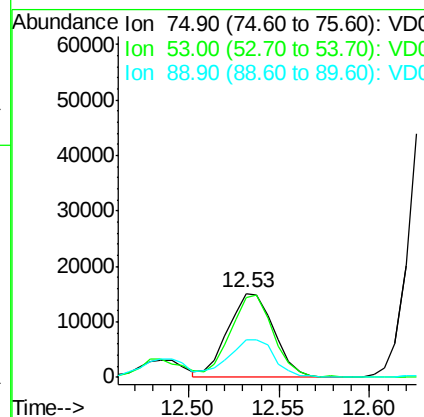
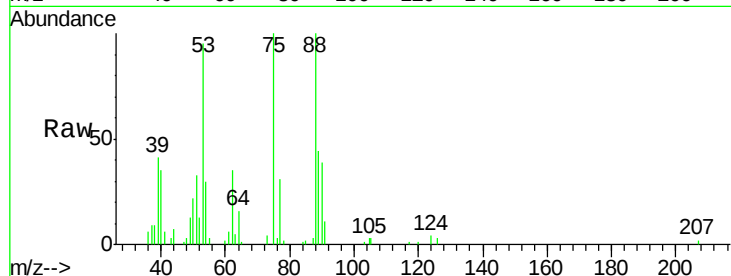
ClientSampleId :

VD0224SBS01

Tot Ion:	75	Resp:	26808
Ion	Ratio	Lower	Upper
75	100		
53	89.0	77.6	116.4
89	43.8	37.2	55.8

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#82

4-Chlorotoluene

Concen: 20.586 ug/l

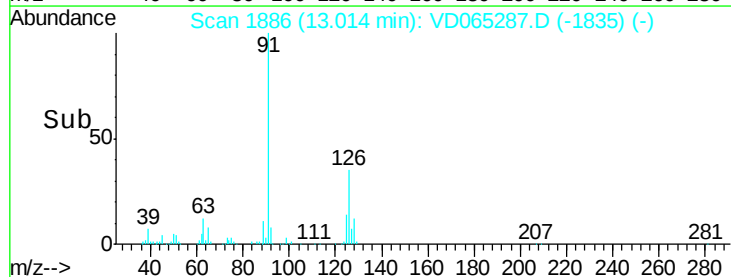
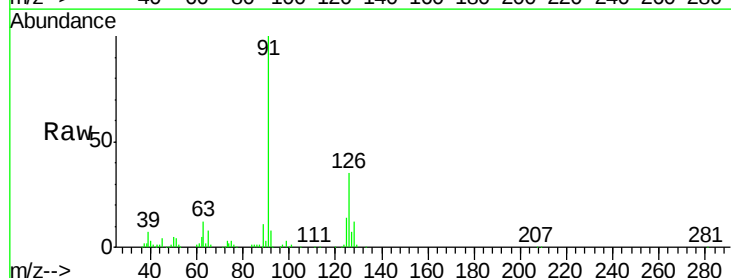
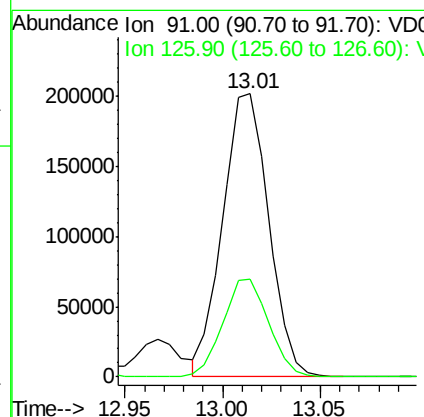
RT: 13.01 min Scan# 1886

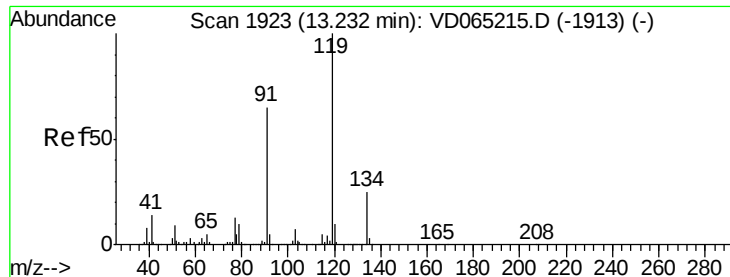
Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Tgt Ion:	91	Resp:	329183
Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.4	52.3





#83

tert-Butylbenzene

Concen: 20.455 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

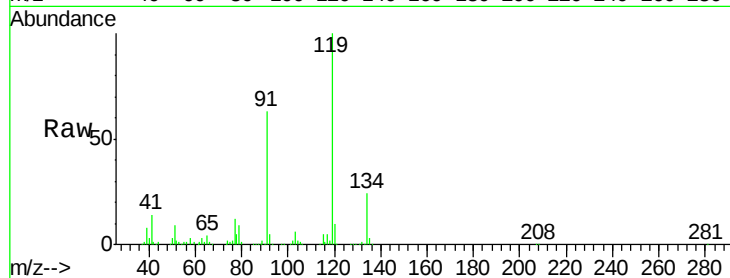
ClientSampleId :

VD0224SBS01

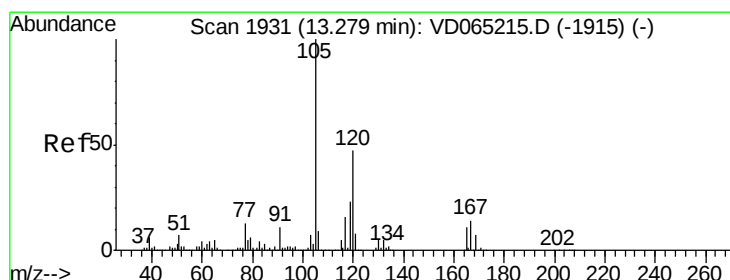
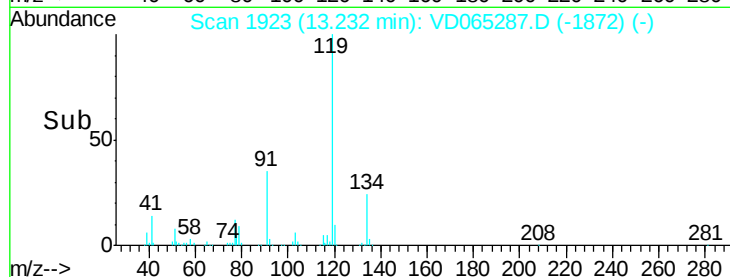
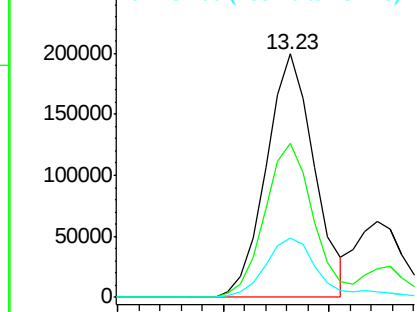
Tot Ion:	119	Resp:	315914
Ion Ratio	Lower	Upper	
119	100		
91	64.1	31.9	95.5
134	27.5	13.8	41.3

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.762 ug/l

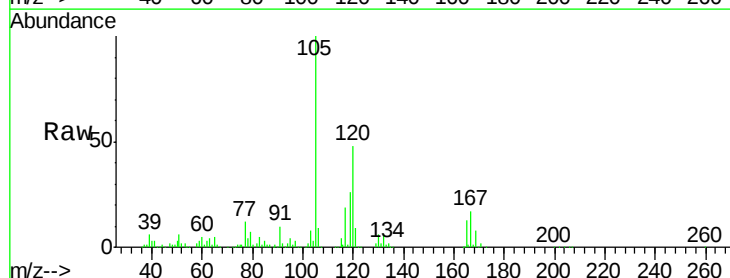
RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

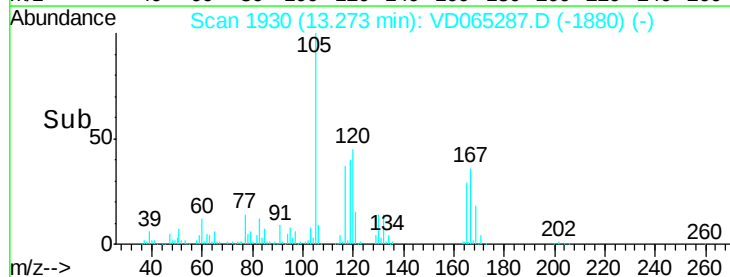
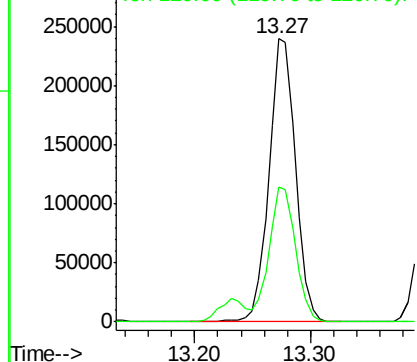
Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Tgt Ion:	105	Resp:	382952
Ion Ratio	Lower	Upper	
105	100		
120	47.3	23.3	69.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





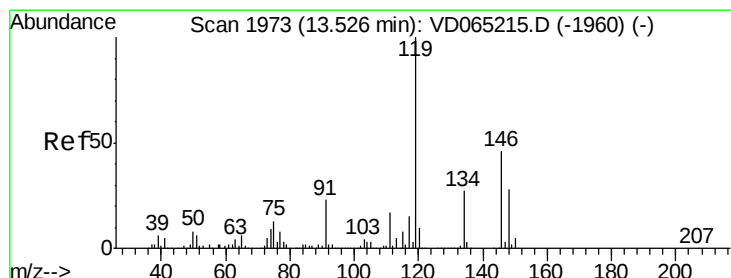
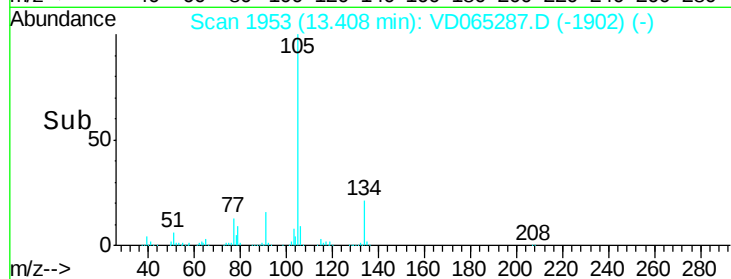
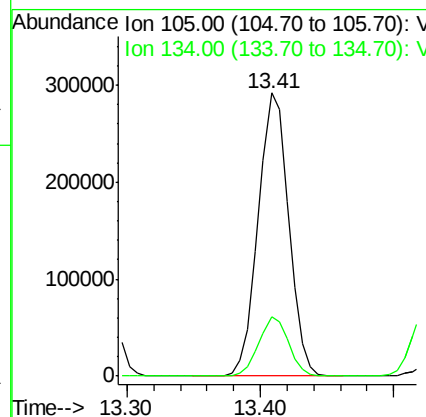
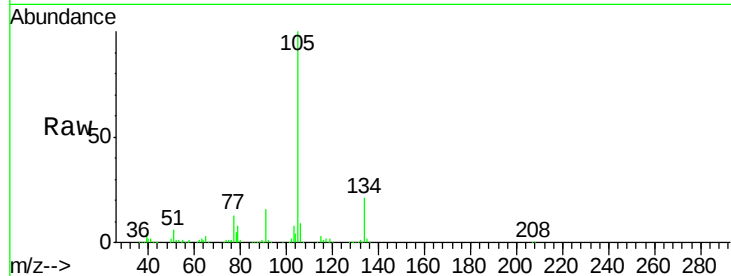
#85
 sec-Butylbenzene
 Concen: 20.700 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0224SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.3	30.9

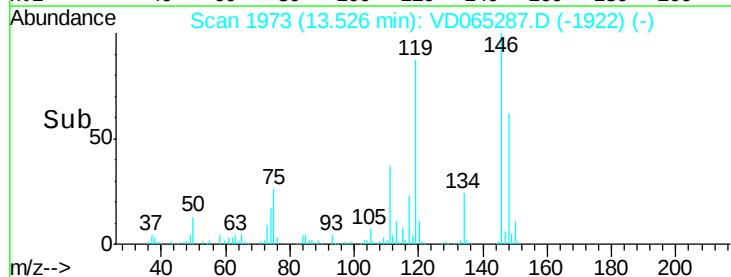
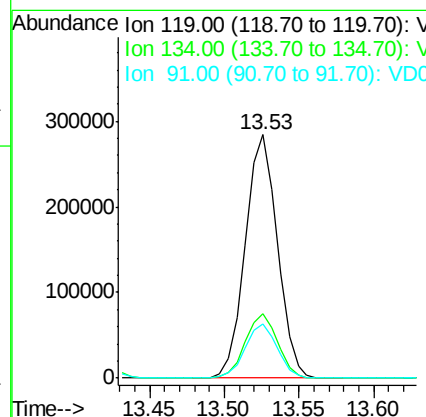
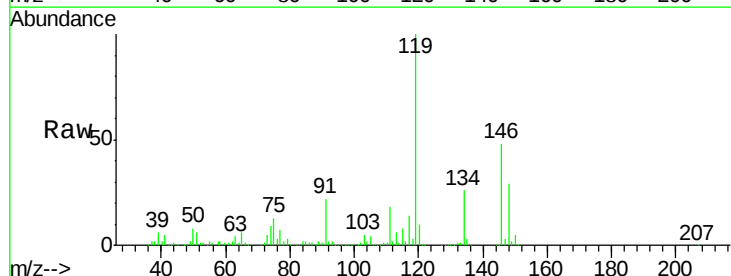
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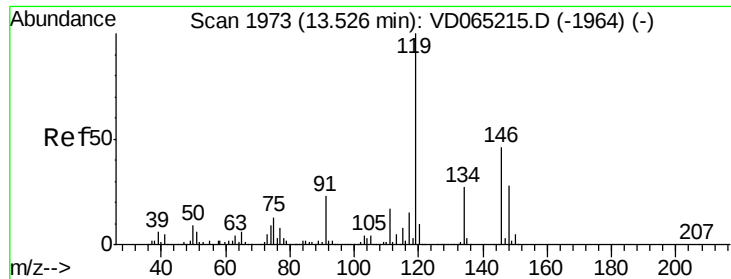
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#86
 p-Isopropyltoluene
 Concen: 20.730 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.3	39.8
91	22.1	11.1	33.1





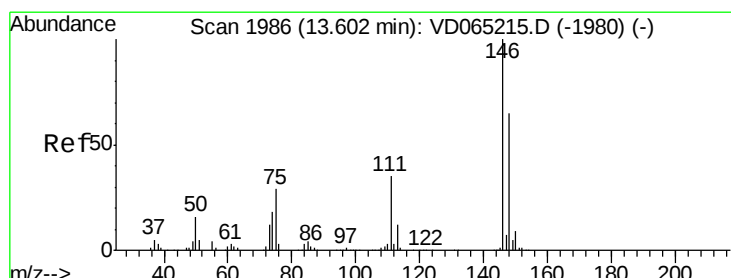
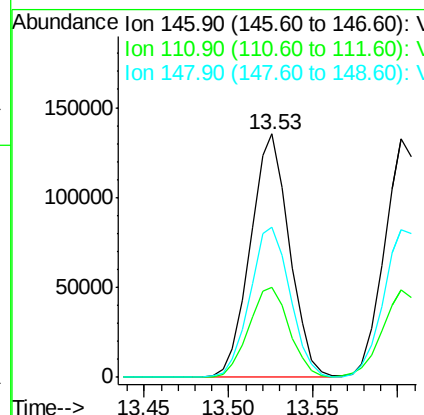
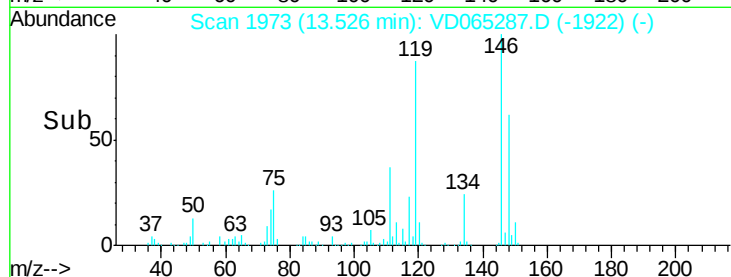
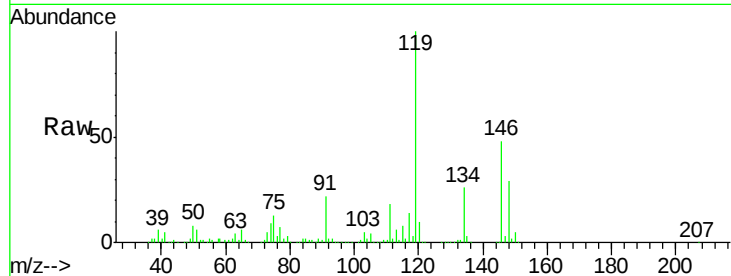
#87
 1,3-Dichlorobenzene
 Concen: 20.274 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0224SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.6	55.8
148	63.8	31.4	94.3

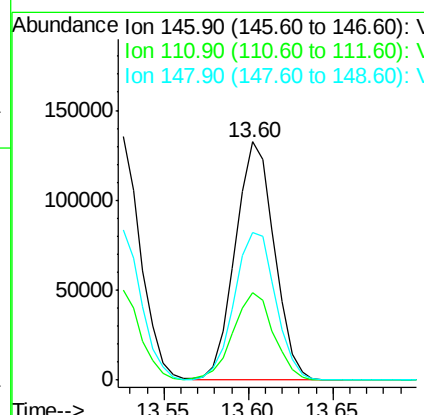
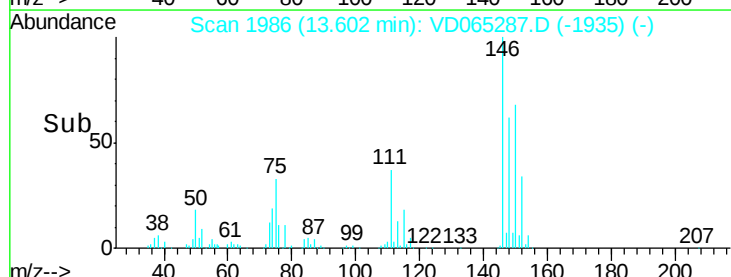
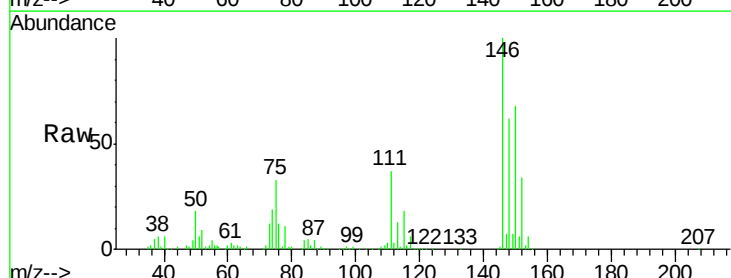
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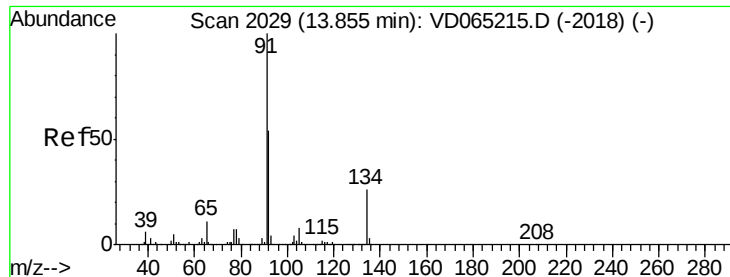
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#88
 1,4-Dichlorobenzene
 Concen: 20.169 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.4	55.2
148	65.0	32.1	96.5





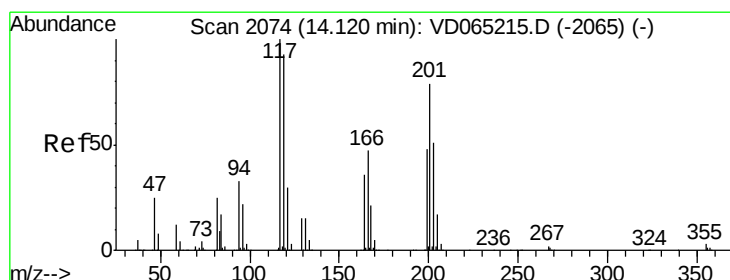
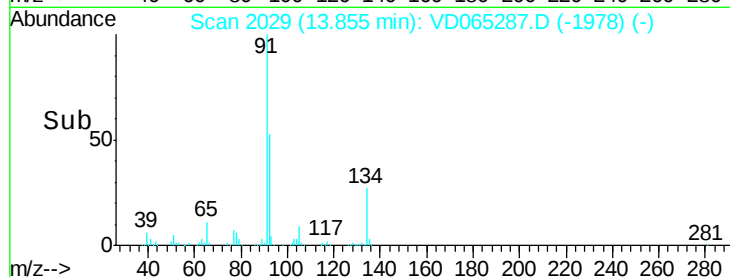
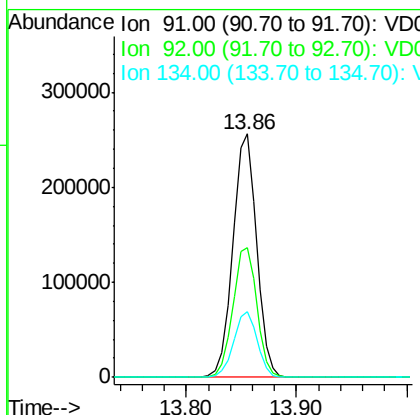
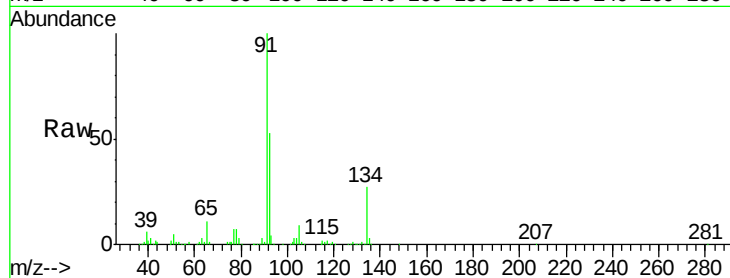
#89
n-Butylbenzene
Concen: 20.650 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.0	80.8
134	26.6	13.5	40.4

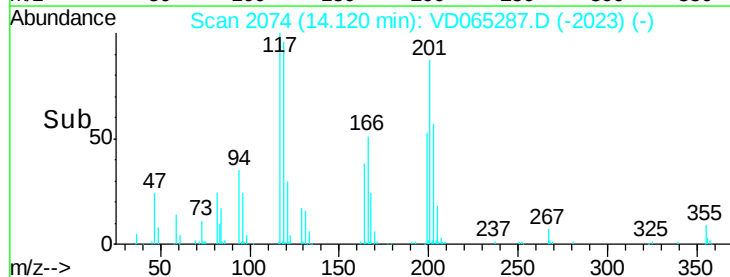
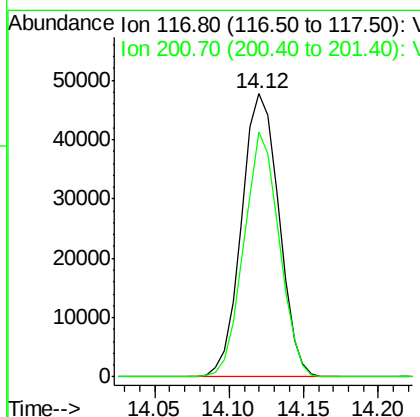
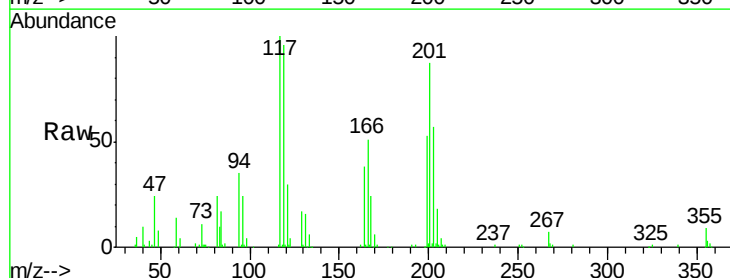
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#90
Hexachloroethane
Concen: 20.075 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.1	41.3	124.1





#91

1,2-Dichlorobenzene

Concen: 20.454 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

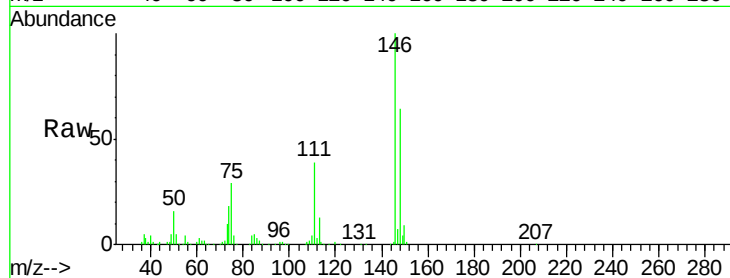
ClientSampleId :

VD0224SBSD01

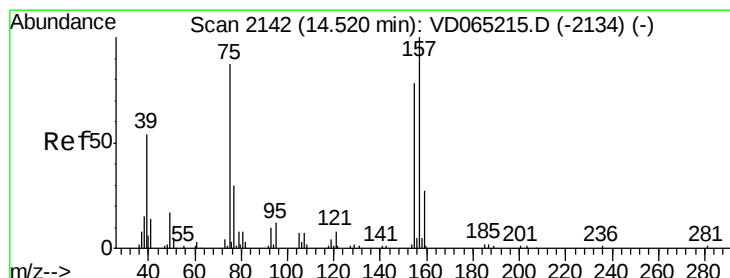
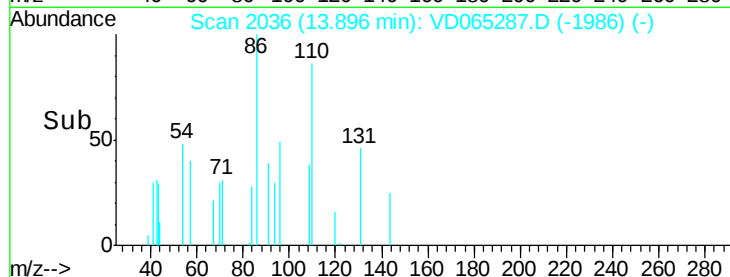
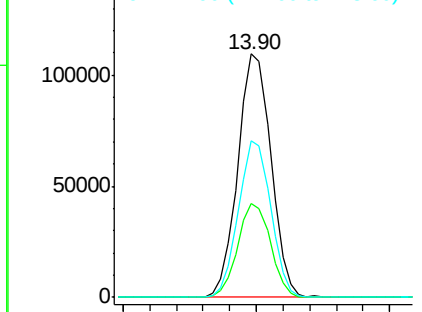
Tot Ion:	146	Resp:	188634
Ion Ratio		Lower	Upper
146	100		
111	38.1	19.7	59.0
148	63.0	32.0	96.2

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.683 ug/l

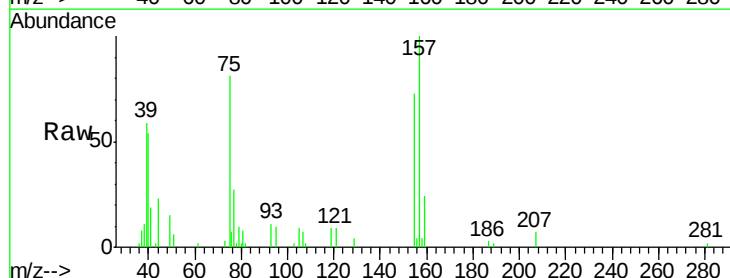
RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

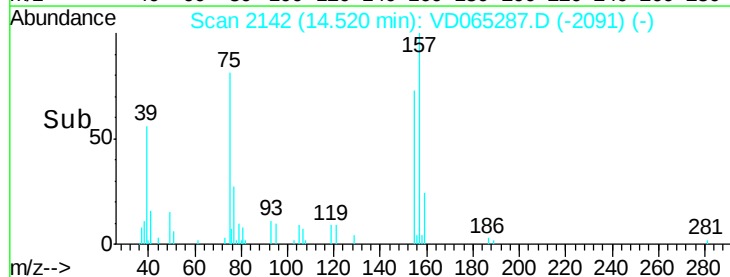
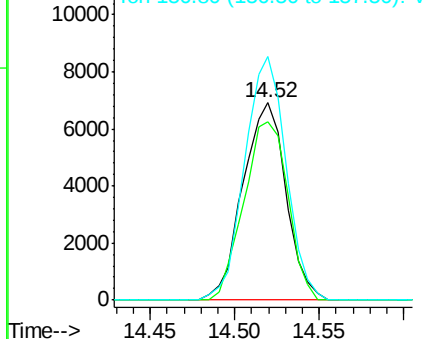
Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Tgt Ion:	75	Resp:	12248
Ion Ratio		Lower	Upper
75	100		
155	92.3	42.3	126.9
157	118.8	56.7	170.1



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





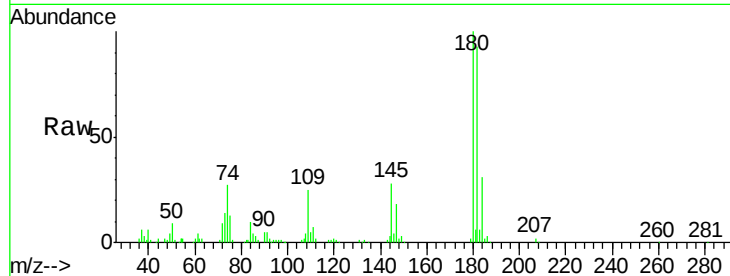
#93
 1,2,4-Trichlorobenzene
 Concen: 20.638 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	124498		
182	95.6	46.9	140.6	
145	29.6	13.9	41.7	

Manual Integrations
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MMDadoda
 2/25/2020 5:15:26 PM

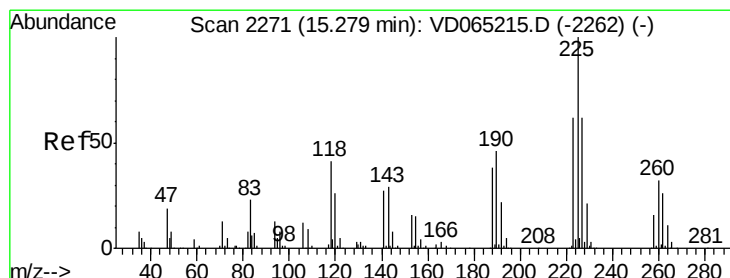
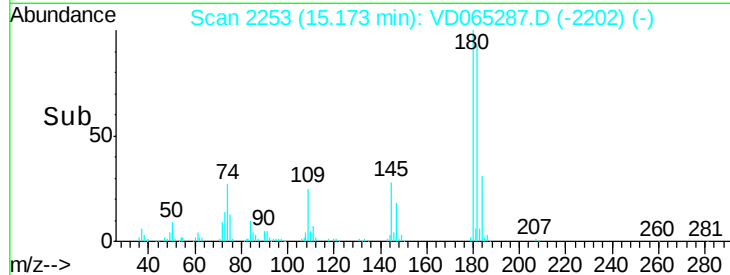
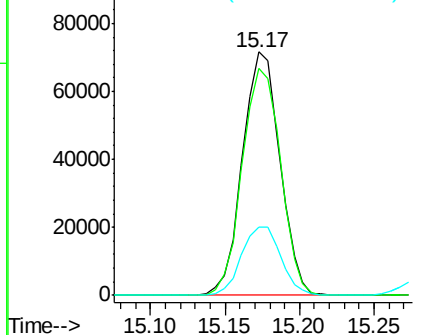


Abundance

Ion 179.80 (179.50 to 180.50): V

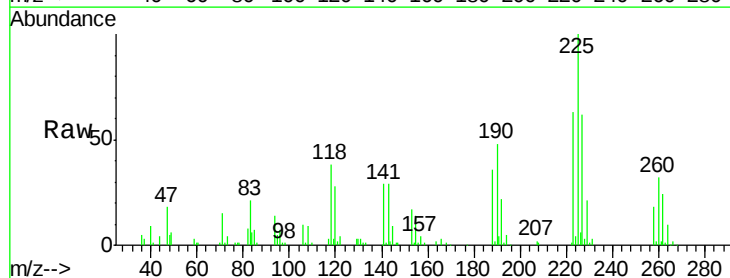
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.325 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	78652		
223	63.2	31.4	94.2	
227	64.2	31.7	95.1	

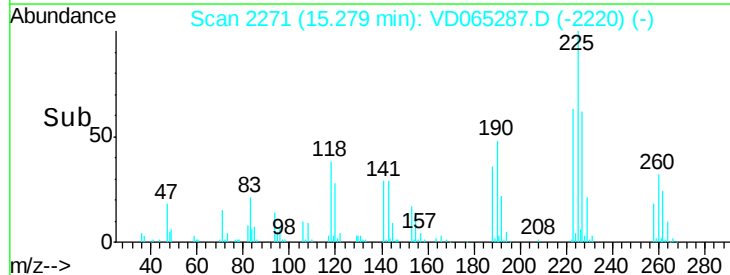
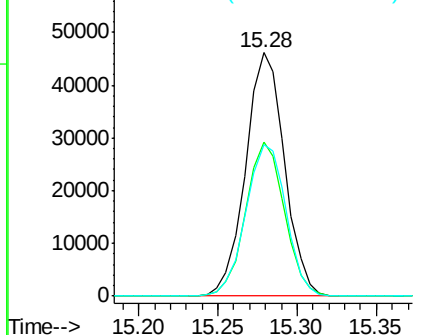


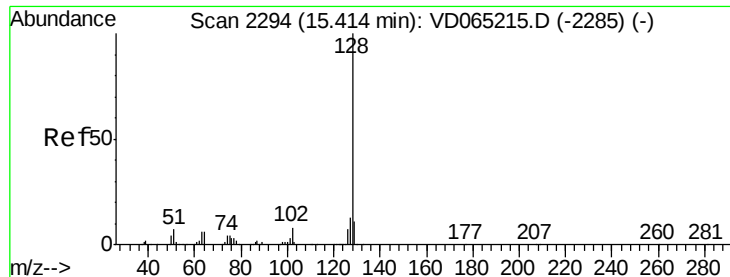
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.762 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

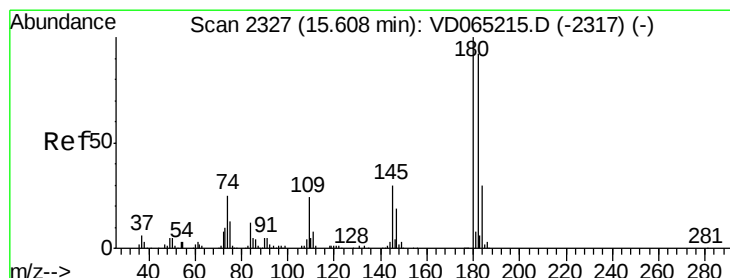
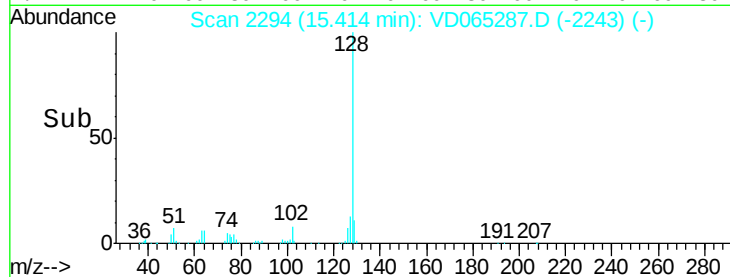
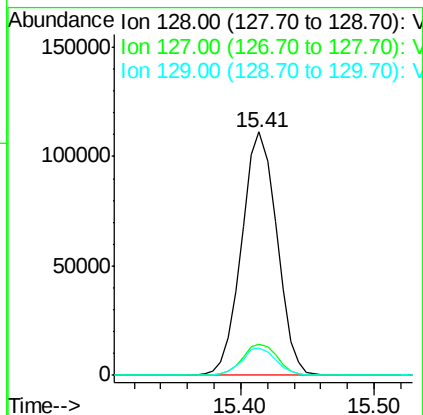
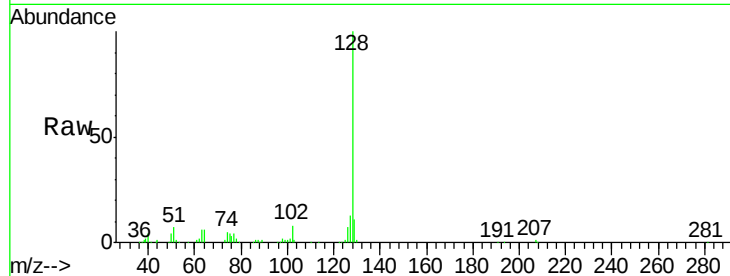
ClientSampleId :

VD0224SBS01

Tot Ion:	128	Resp:	203605
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/25/2020 5:15:26 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.938 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Tgt Ion:	180	Resp:	110313
Ion Ratio	Lower	Upper	
180	100		
182	95.2	46.9	140.6
145	30.8	15.4	46.1

