

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065286.D
 Acq On : 24 Feb 2020 11:13
 Operator : VA/SY
 Sample : VD0224SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0224SBS01

Manual Integrations
 APPROVED

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 2/25/2020 5:15:22 PM

Quant Time: Feb 25 01:32:10 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	506369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	750436	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	674800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	331913	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	222892	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
35) Dibromofluoromethane	7.91	113	232977	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	10.34	98	920636	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
62) 4-Bromofluorobenzene	12.64	95	292701	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	74334	17.502	ug/l	96
3) Chloromethane	2.21	50	103266	19.103	ug/l	99
4) Vinyl Chloride	2.36	62	101916	18.540	ug/l	100
5) Bromomethane	2.76	94	60966	18.343	ug/l	99
6) Chloroethane	2.92	64	64603	19.254	ug/l	93
7) Trichlorofluoromethane	3.27	101	152246	19.345	ug/l	99
8) Diethyl Ether	3.71	74	45899	19.321	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	100579	20.238	ug/l	99
10) Methyl Iodide	4.29	142	91704	17.771	ug/l	100
11) Tert butyl alcohol	5.24	59	31968	117.439	ug/l	95
12) 1,1-Dichloroethene	4.06	96	93816	19.983	ug/l	100
13) Acrolein	3.93	56	41939	109.317	ug/l	98
14) Allyl chloride	4.71	41	149346	19.589	ug/l	98
15) Acrylonitrile	5.43	53	103176	98.100	ug/l	99
16) Acetone	4.17	43	98752	88.682	ug/l	93
17) Carbon Disulfide	4.40	76	308523	19.601	ug/l	100
18) Methyl Acetate	4.72	43	51197	20.442	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	189101	19.315	ug/l	94
20) Methylene Chloride	4.97	84	109995	19.365	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	106735	19.999	ug/l	98
22) Diisopropyl ether	6.37	45	292105	19.875	ug/l	97
23) Vinyl Acetate	6.31	43	768231	94.814	ug/l	99
24) 1,1-Dichloroethane	6.27	63	181794	19.942	ug/l	99
25) 2-Butanone	7.22	43	127914	90.791	ug/l	98
26) 2,2-Dichloropropane	7.21	77	158484	20.037	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	111744	19.766	ug/l	100
28) Bromochloromethane	7.55	49	65841	19.468	ug/l	98
29) Tetrahydrofuran	7.57	42	79654	96.492	ug/l	98
30) Chloroform	7.71	83	181704	19.784	ug/l	99
31) Cyclohexane	7.98	56	176156	19.667	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	161359	19.637	ug/l	99
36) 1,1-Dichloropropene	8.11	75	146824	20.108	ug/l	98
37) Ethyl Acetate	7.30	43	56246	18.426	ug/l	97
38) Carbon Tetrachloride	8.10	117	149622	20.129	ug/l	99

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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	175625	20.459	ug/l	98
40) Benzene	8.36	78	411590	19.970	ug/l	100
41) Methacrylonitrile	7.53	41	32662	18.532	ug/l	94
42) 1,2-Dichloroethane	8.43	62	111811	19.734	ug/l	100
43) Isopropyl Acetate	8.46	43	106681	19.219	ug/l	98
44) Trichloroethene	9.11	130	116277	20.353	ug/l	100
45) 1,2-Dichloropropane	9.39	63	102859	20.071	ug/l	100
46) Dibromomethane	9.48	93	52366	19.859	ug/l	99
47) Bromodichloromethane	9.67	83	137553	19.795	ug/l	95
48) Methyl methacrylate	9.46	41	49383	19.247	ug/l	95
49) 1,4-Dioxane	9.47	88	12572	406.518	ug/l	93
51) 4-Methyl-2-Pentanone	10.24	43	272066	96.500	ug/l	99
52) Toluene	10.41	92	264844	20.760	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	128672	19.977	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	156174	20.079	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	74699	20.127	ug/l	96
56) Ethyl methacrylate	10.67	69	82940	19.362	ug/l	96
57) 1,3-Dichloropropane	10.95	76	124863	19.767	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	130187	96.397	ug/l	96
59) 2-Hexanone	10.99	43	193641	95.947	ug/l	99
60) Dibromochloromethane	11.14	129	95022	20.004	ug/l	100
61) 1,2-Dibromoethane	11.25	107	71325	20.298	ug/l	98
64) Tetrachloroethene	10.88	164	101968	21.306	ug/l	93
65) Chlorobenzene	11.67	112	274133	20.244	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	101727	20.131	ug/l	100
67) Ethyl Benzene	11.75	91	483115	20.370	ug/l	100
68) m/p-Xylenes	11.86	106	376668	41.512	ug/l	100
69) o-Xylene	12.19	106	164997	20.525	ug/l	99
70) Styrene	12.20	104	290458	20.351	ug/l	99
71) Bromoform	12.37	173	57447	20.487	ug/l #	97
73) Isopropylbenzene	12.48	105	459538	20.913	ug/l	100
74) N-amyl acetate	12.30	43	92591	18.963	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	81087	20.446	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	53899m	19.086	ug/l	
77) Bromobenzene	12.77	156	111514	20.437	ug/l	99
78) n-propylbenzene	12.83	91	552968	20.940	ug/l	100
79) 2-Chlorotoluene	12.91	91	305923	20.680	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	379914	20.991	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	25731	19.673	ug/l	96
82) 4-Chlorotoluene	13.01	91	323381	20.591	ug/l	98
83) tert-Butylbenzene	13.23	119	313339	20.657	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	382650	21.123	ug/l	100
85) sec-Butylbenzene	13.41	105	454458	20.792	ug/l	100
86) p-Isopropyltoluene	13.53	119	423815	21.203	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	214228	20.308	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	213036	20.462	ug/l	99
89) n-Butylbenzene	13.85	91	381216	20.697	ug/l	100
90) Hexachloroethane	14.12	117	82935	20.434	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	185158	20.442	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12026	19.677	ug/l	96

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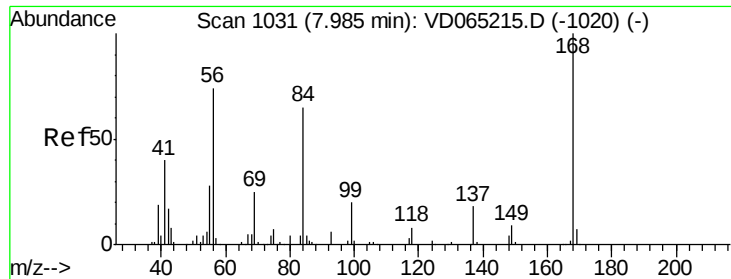
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	123193	20.793	ug/l	98
94) Hexachlorobutadiene	15.28	225	78397	20.628	ug/l	99
95) Naphthalene	15.41	128	194525	20.197	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	105019	20.296	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

ClientSampleId :

VD0224SBS01

Tot Ion:168 Resp: 506369

Ion Ratio Lower Upper

168 100

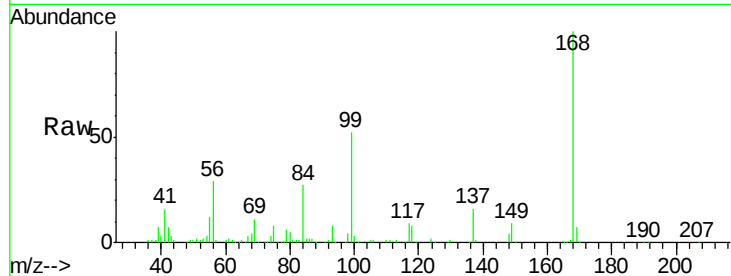
99 52.0 41.4 62.2

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

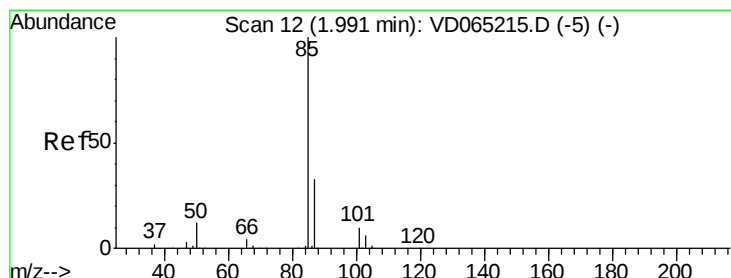
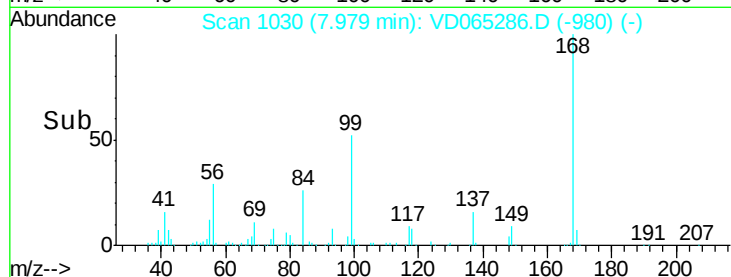
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.502 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065286.D

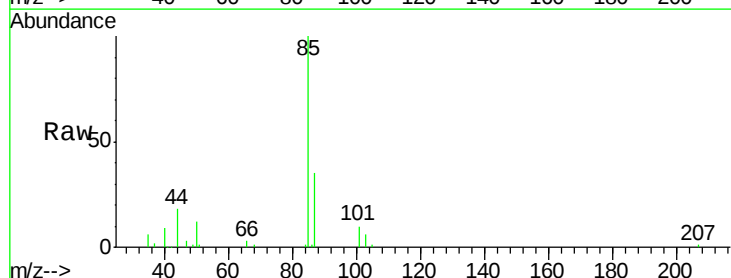
Acq: 24 Feb 2020 11:13

Tgt Ion: 85 Resp: 74334

Ion Ratio Lower Upper

85 100

87 34.7 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

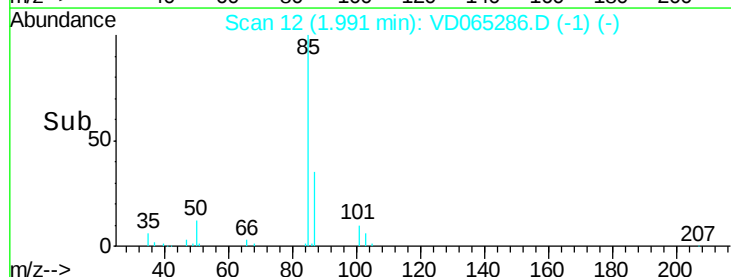
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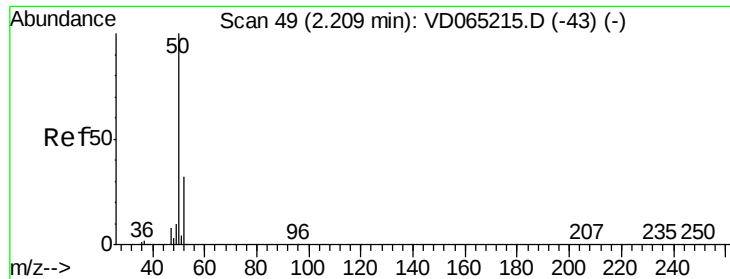
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.103 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

ClientSampleId :

VD0224SBS01

Tot Ion: 50 Resp: 103266

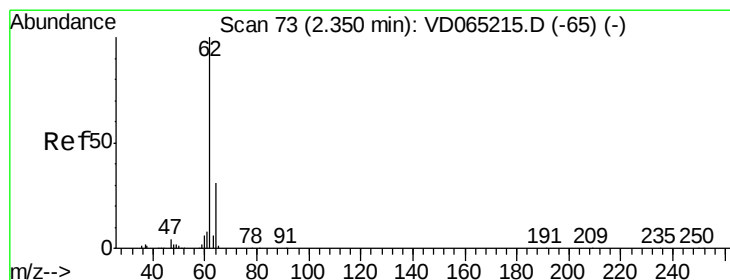
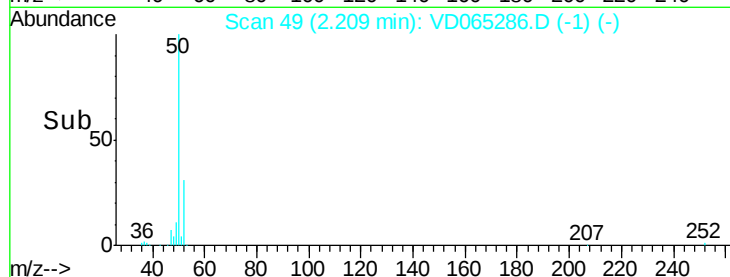
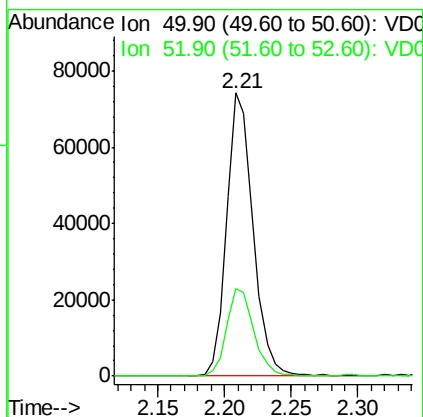
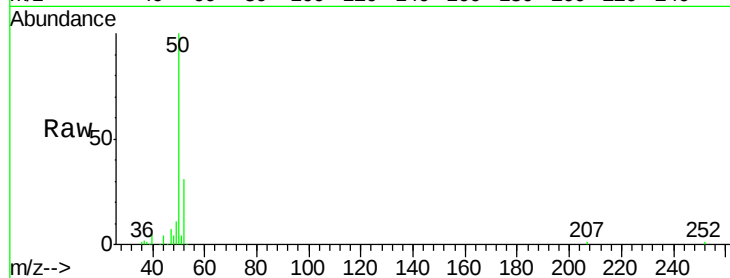
Ion Ratio Lower Upper

50 100

52 31.1 25.5 38.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.540 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065286.D

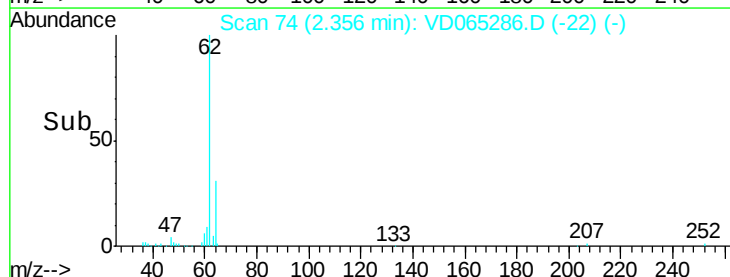
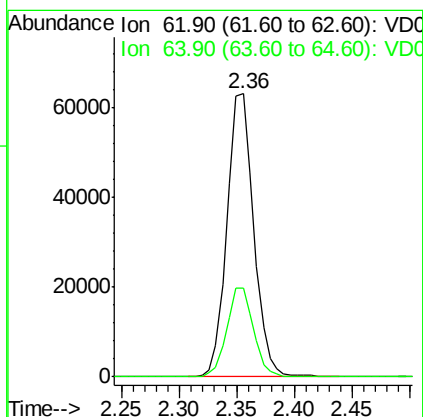
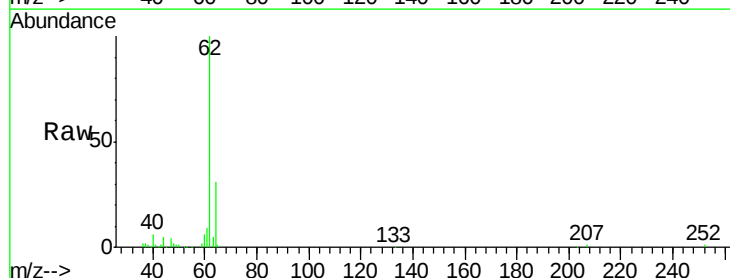
Acq: 24 Feb 2020 11:13

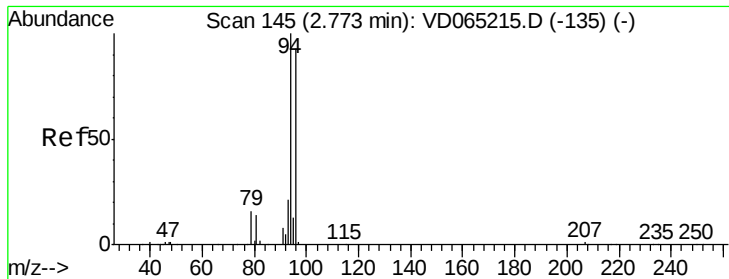
Tgt Ion: 62 Resp: 101916

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.6





#5

Bromomethane

Concen: 18.343 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

ClientSampleId :

VD0224SBS01

Tot Ion: 94 Resp: 60966

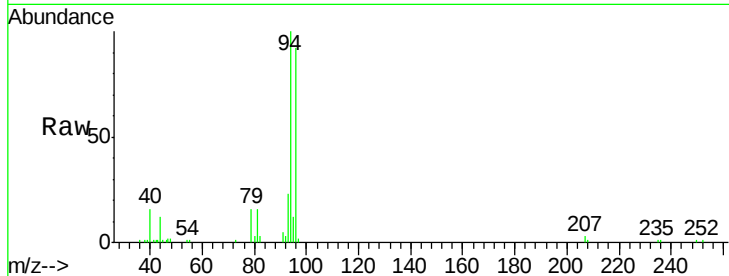
Ion Ratio Lower Upper

94 100

96 91.8 74.2 111.4

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

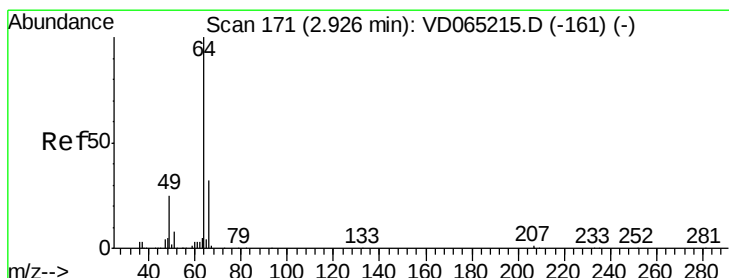
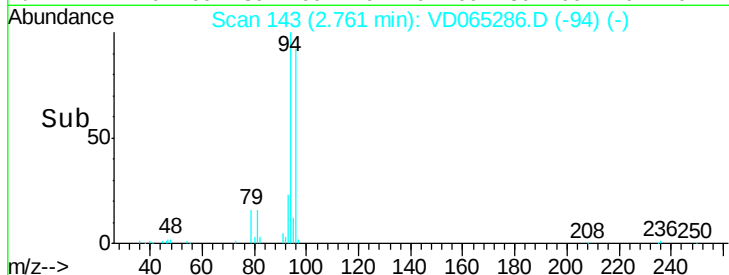
15000

10000

5000

0

Time--> 2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 19.254 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065286.D

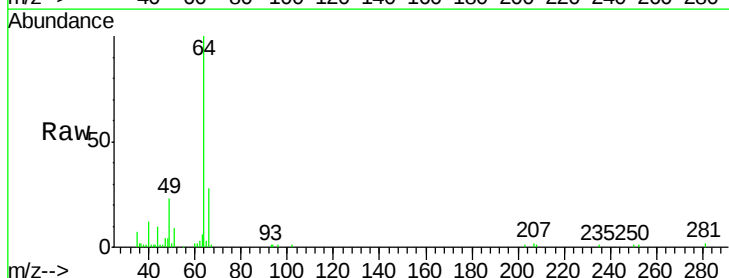
Acq: 24 Feb 2020 11:13

Tgt Ion: 64 Resp: 64603

Ion Ratio Lower Upper

64 100

66 28.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

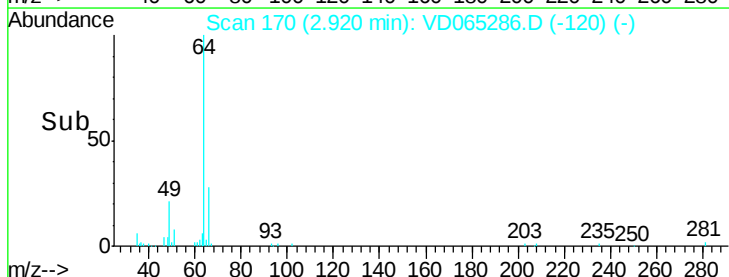
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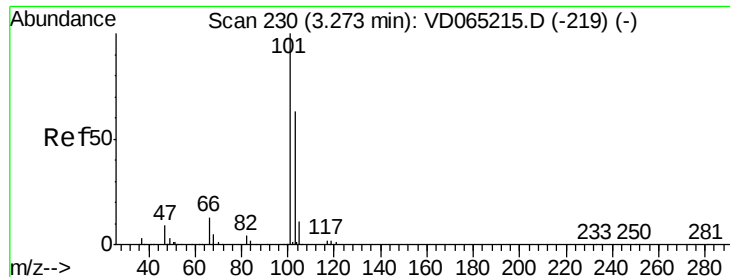
20000

10000

0

Time--> 2.80 2.90 3.00





#7

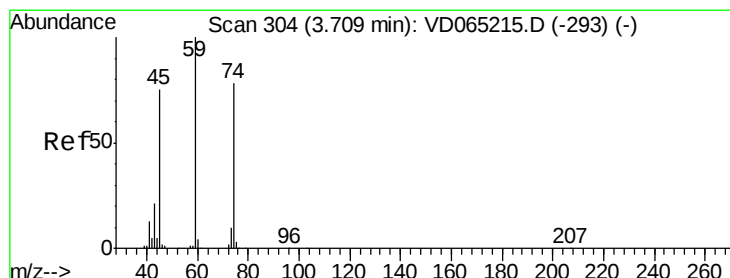
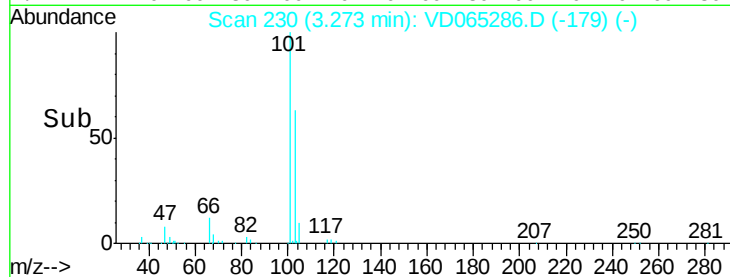
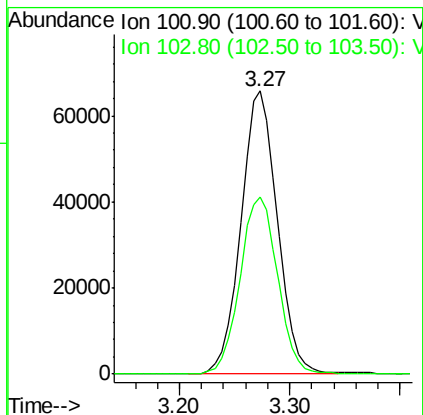
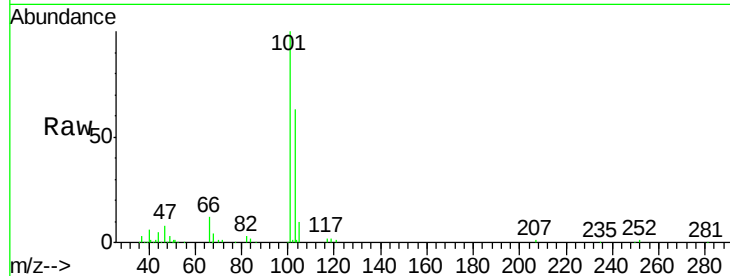
Trichlorofluoromethane
 Concen: 19.345 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

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 VD0224SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	50.7	76.1

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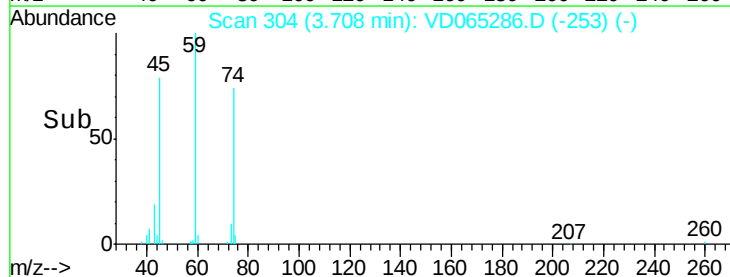
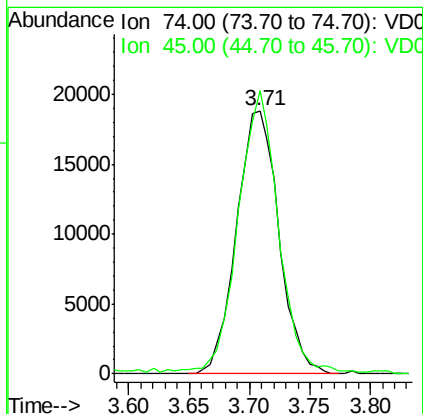
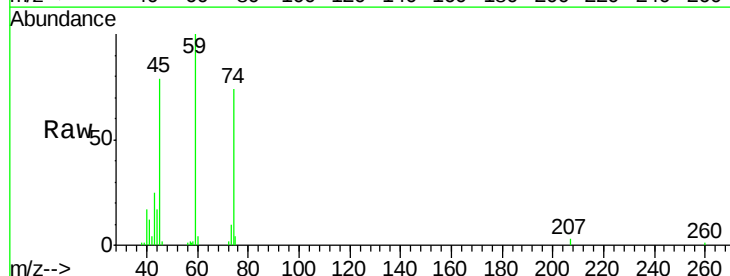
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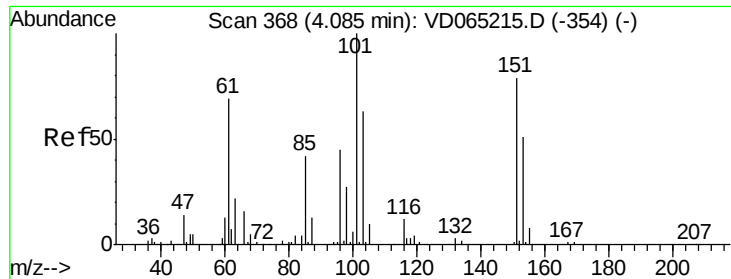


#8

Diethyl Ether
 Concen: 19.321 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.7	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.238 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

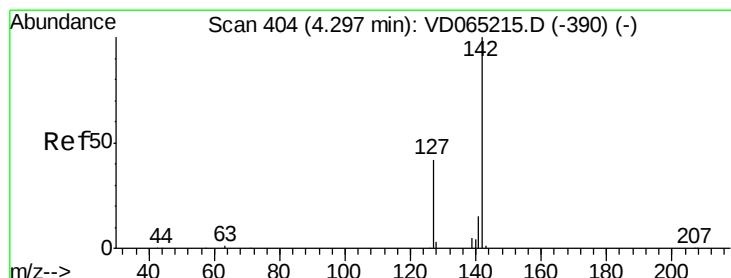
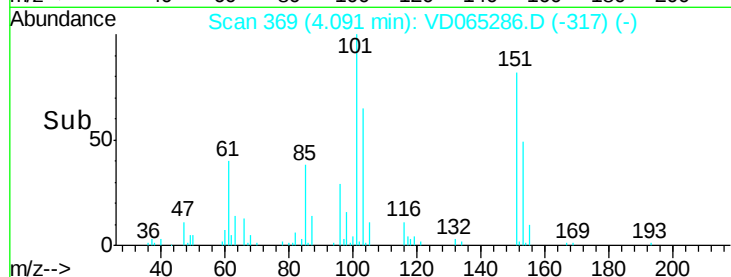
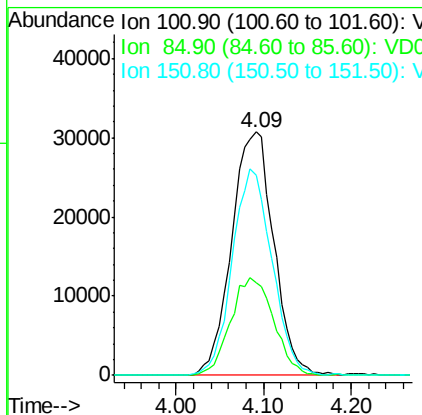
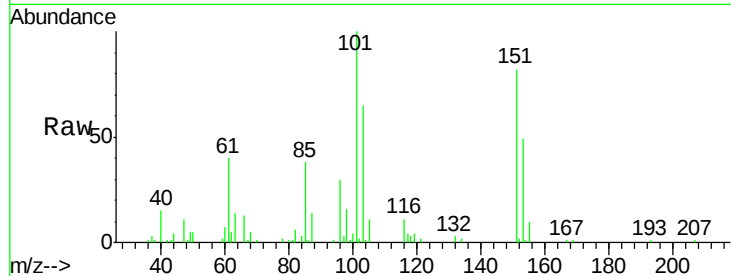
ClientSampleId :

VD0224SBS01

Tot Ion:	101	Resp:	100579
Ion Ratio	Lower	Upper	
101	100		
85	40.9	34.2	51.2
151	79.9	63.5	95.3

Manual Integrations
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2/25/2020 5:15:22 PM



#10

Methyl Iodide

Concen: 17.771 ug/l

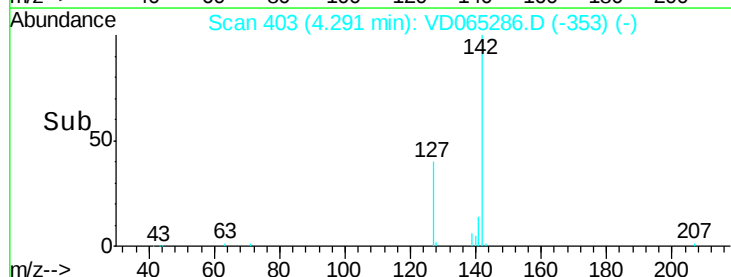
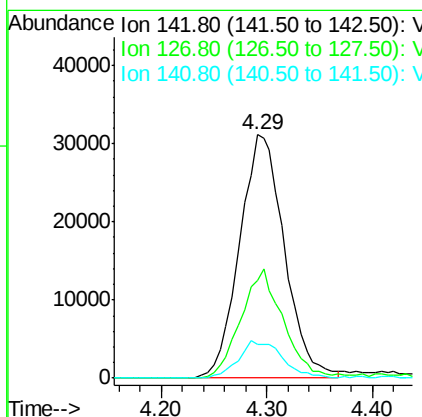
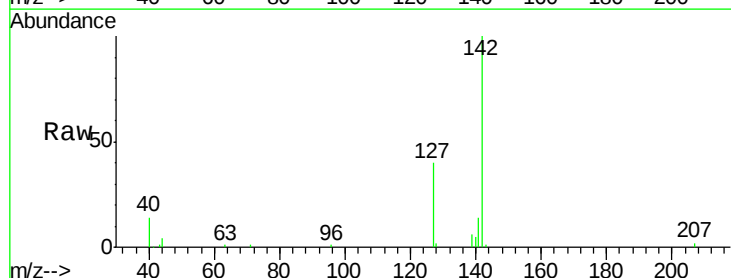
RT: 4.29 min Scan# 403

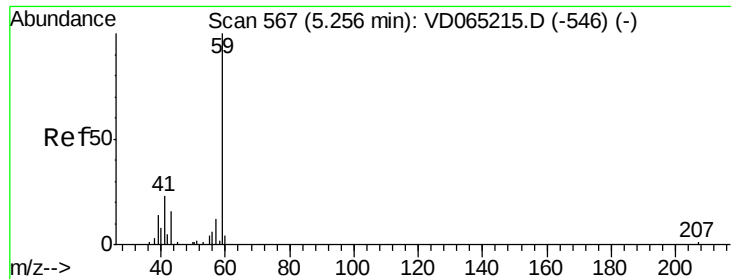
Delta R.T. -0.01 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Tgt Ion:	142	Resp:	91704
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.8	50.8
141	14.9	11.7	17.5





#11

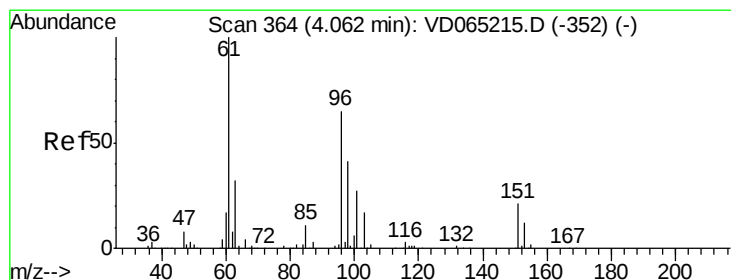
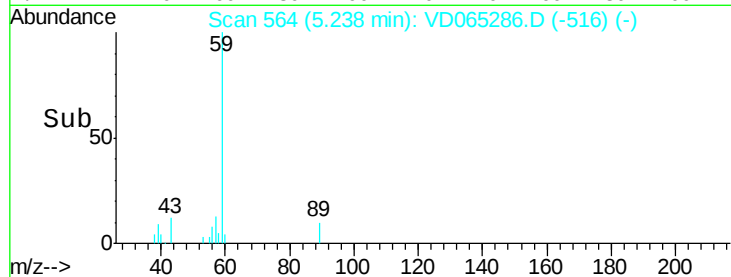
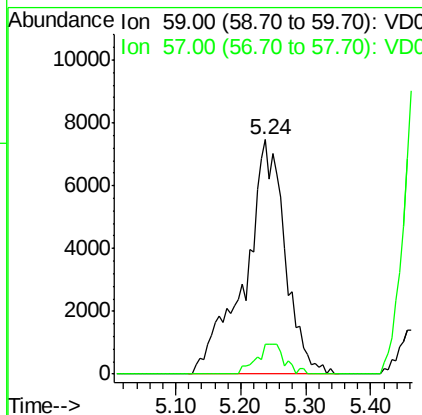
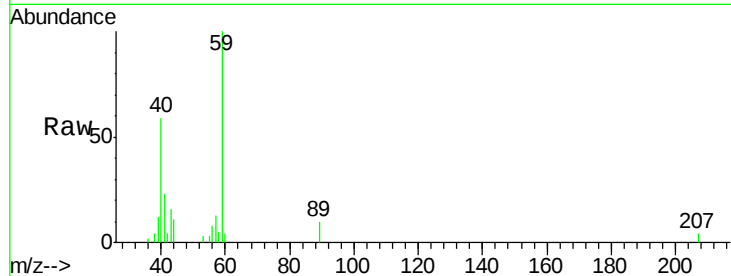
Tert butyl alcohol
Concen: 117.439 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.02 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion	59	57	Ratio	100	8.6	Resp	31968	Lower	8.4	Upper	12.6
Ion	59	57	Ratio	100	8.6	Resp	31968	Lower	8.4	Upper	12.6

Manual Integrations
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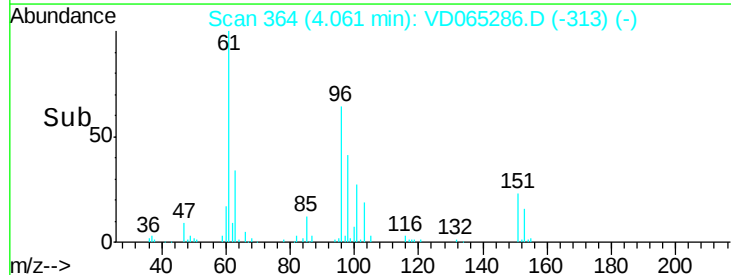
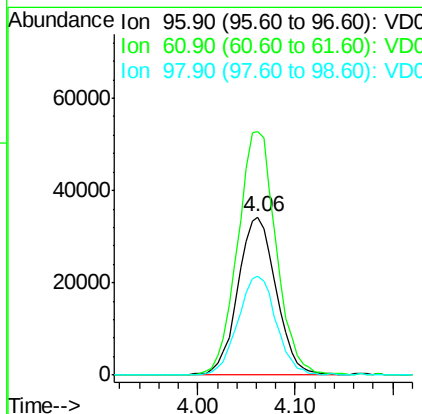
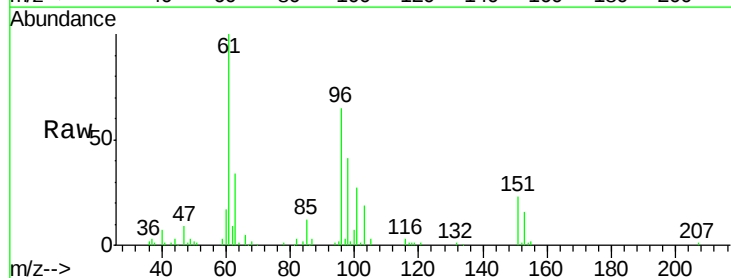
MMDadoda
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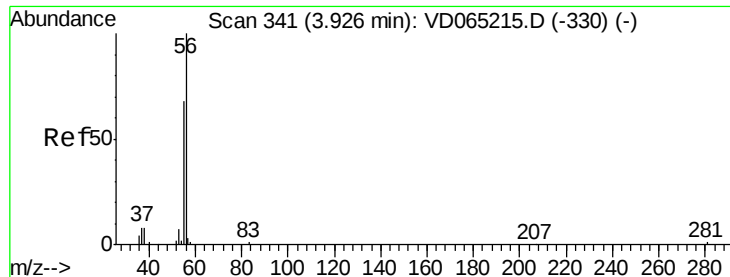


#12

1,1-Dichloroethene
Concen: 19.983 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion	96	61	98	Ratio	100	153.9	62.7	Resp	93816	Lower	123.3	51.0	Upper	184.9	76.4
Ion	96	61	98	Ratio	100	153.9	62.7	Resp	93816	Lower	123.3	51.0	Upper	184.9	76.4





#13

Acrolein

Concen: 109.317 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

ClientSampleId :

VD0224SBS01

Tot Ion: 56 Resp: 41939

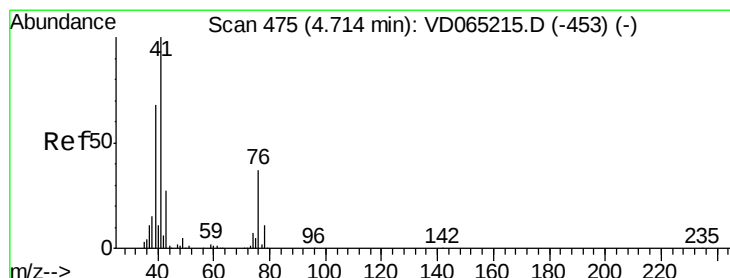
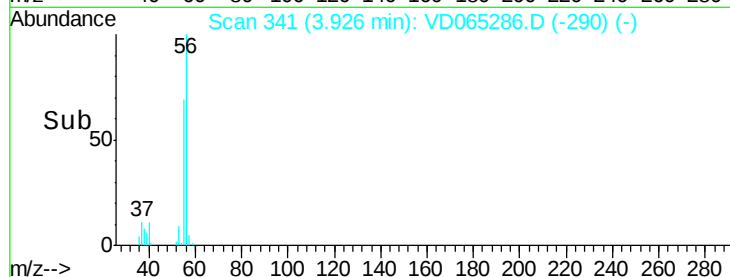
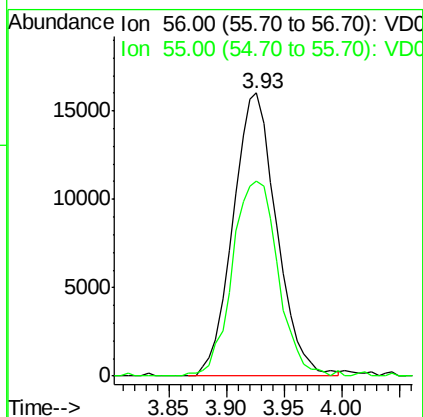
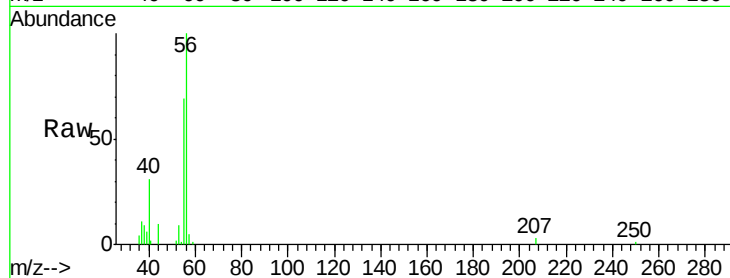
Ion Ratio Lower Upper

56 100

55 72.3 56.6 85.0

Manual Integrations
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#14

Allyl chloride

Concen: 19.589 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

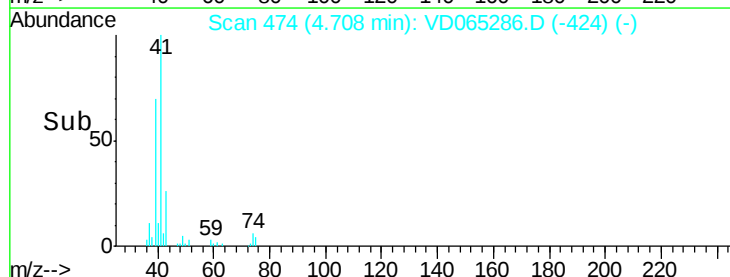
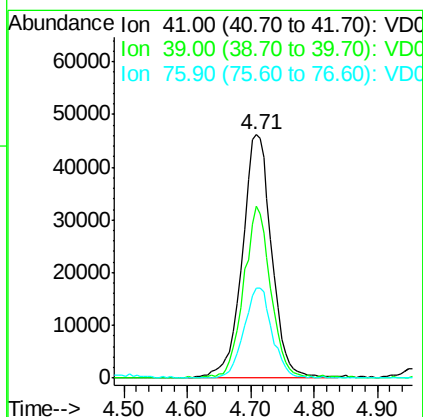
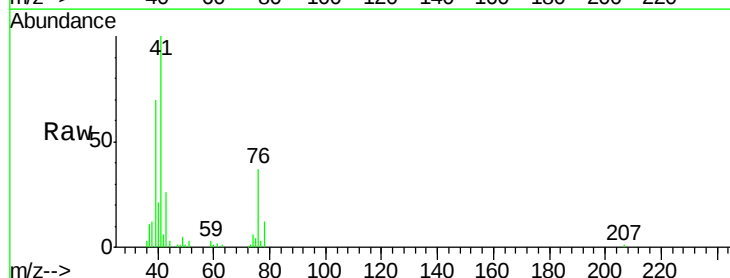
Tgt Ion: 41 Resp: 149346

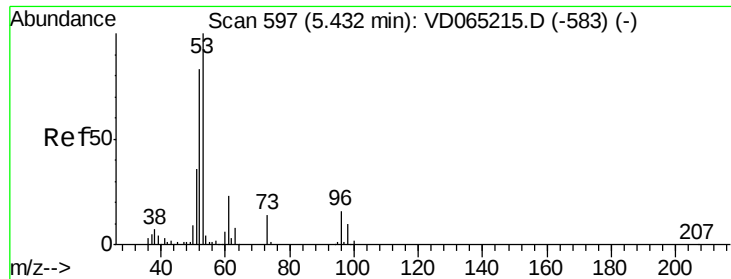
Ion Ratio Lower Upper

41 100

39 64.9 53.8 80.6

76 35.6 28.7 43.1





#15

Acrylonitrile

Concen: 98.100 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

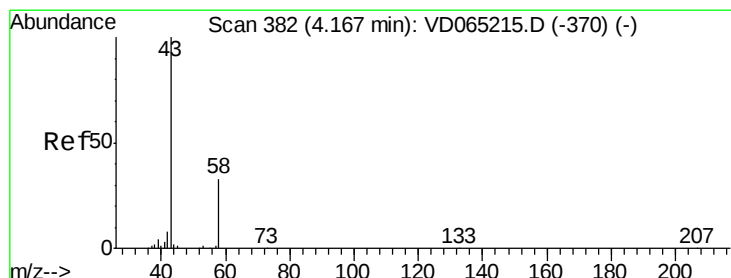
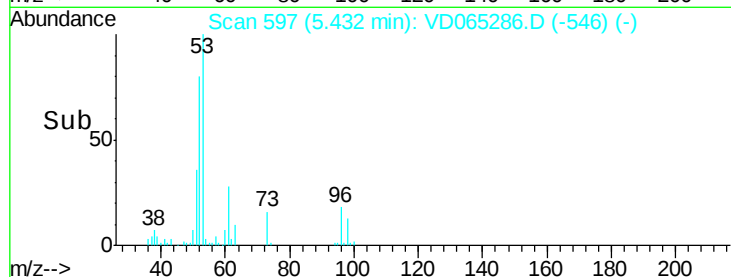
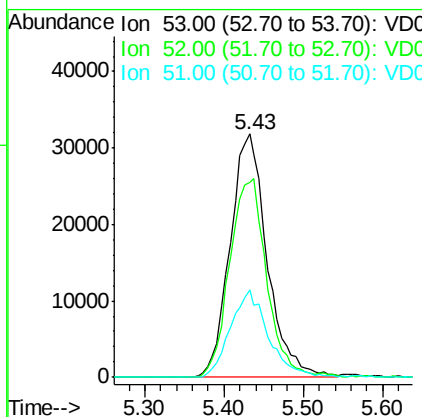
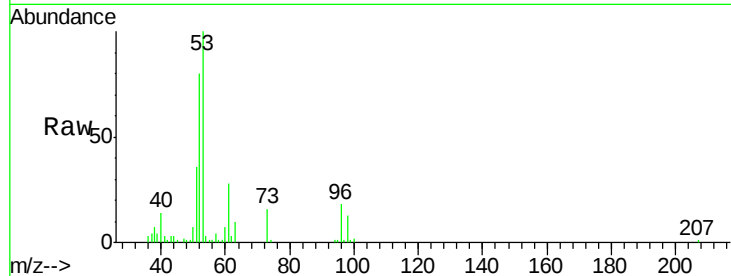
ClientSampleId :

VD0224SBS01

Tot Ion:	53	Resp:	103176
Ion Ratio		Lower	Upper
53	100		
52	81.2	65.4	98.2
51	36.6	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 88.682 ug/l

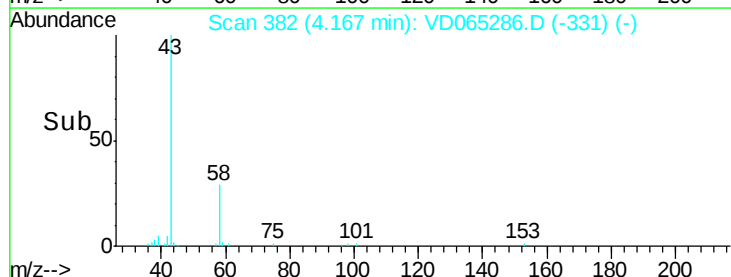
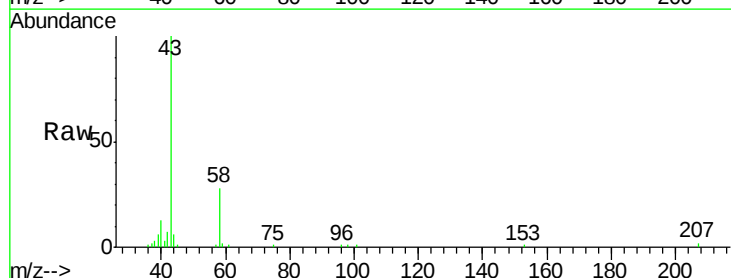
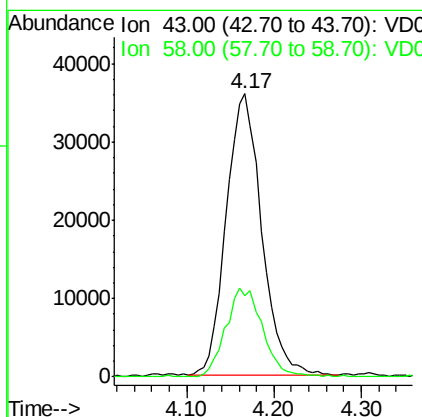
RT: 4.17 min Scan# 382

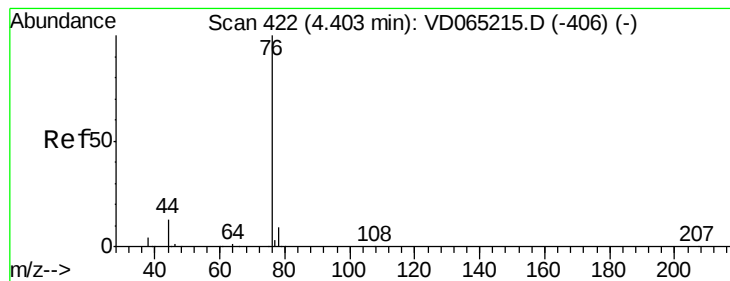
Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Tgt Ion:	43	Resp:	98752
Ion Ratio		Lower	Upper
43	100		
58	28.7	26.2	39.2





#17

Carbon Disulfide

Concen: 19.601 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

ClientSampleId :

VD0224SBS01

Tot Ion: 76 Resp: 308523

Ion Ratio Lower Upper

76 100

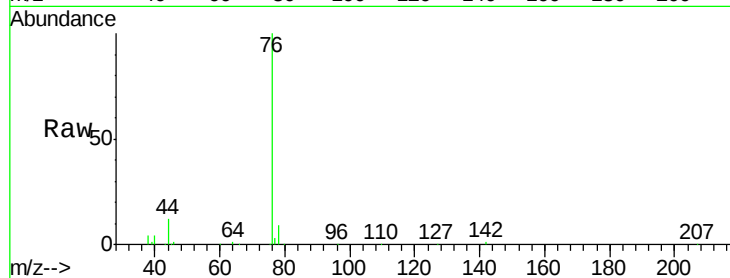
78 8.9 7.0 10.6

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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

100000

80000

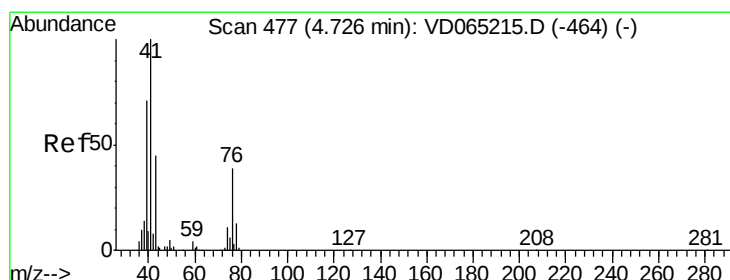
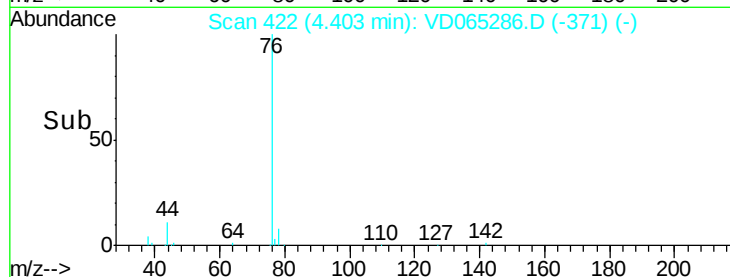
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 20.442 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065286.D

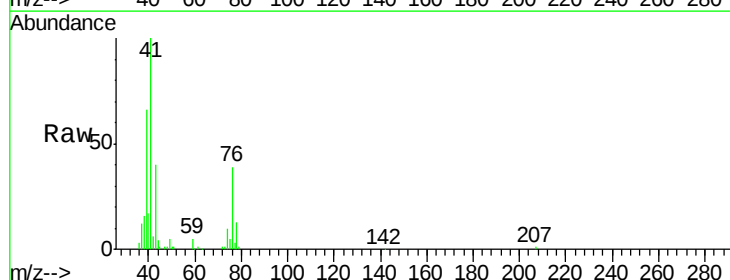
Acq: 24 Feb 2020 11:13

Tgt Ion: 43 Resp: 51197

Ion Ratio Lower Upper

43 100

74 22.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

20000

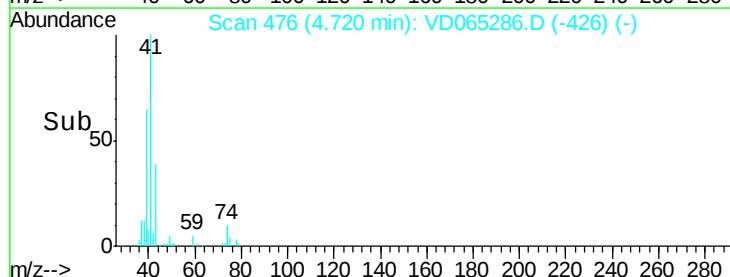
15000

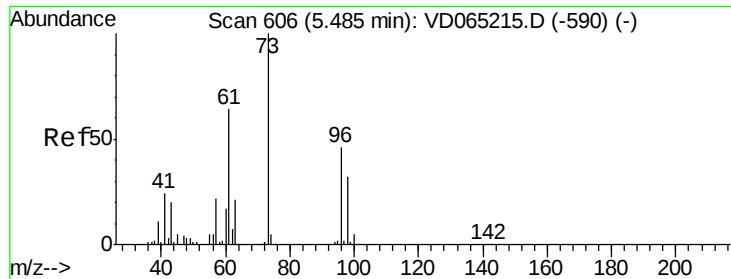
10000

5000

0

Time-->





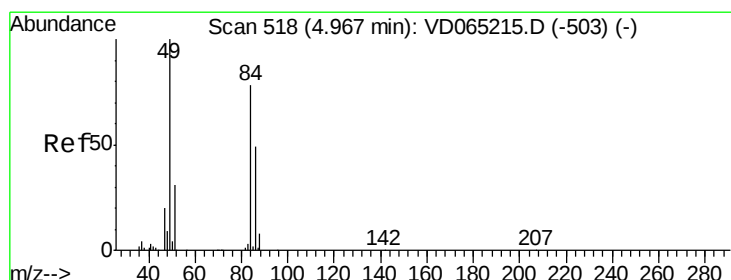
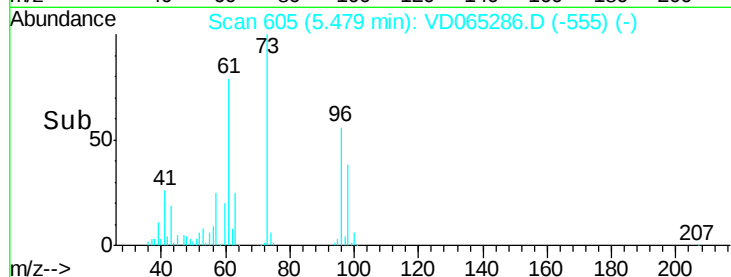
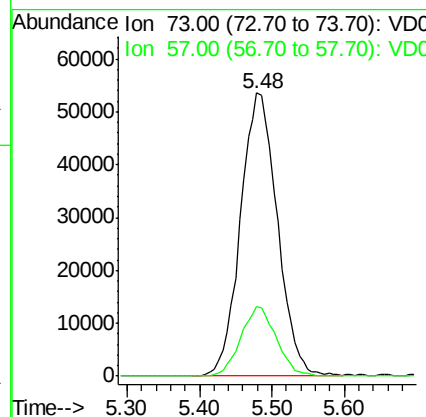
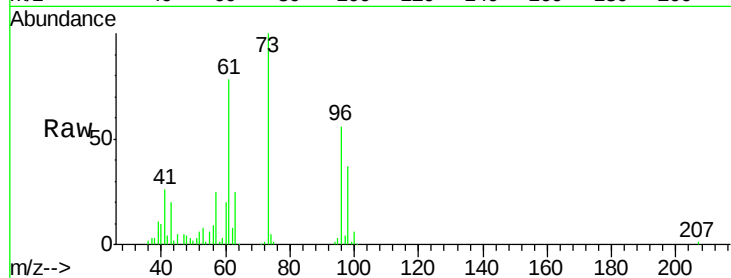
#19
Methyl tert-butyl Ether
Concen: 19.315 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.5	17.3	25.9

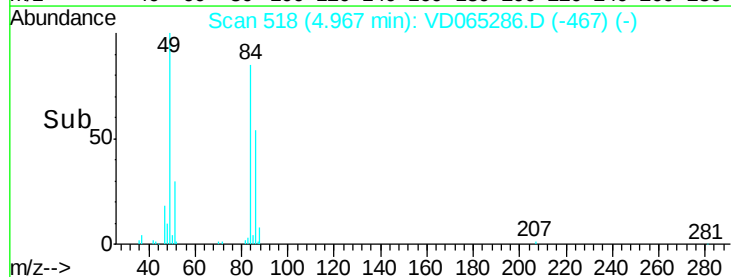
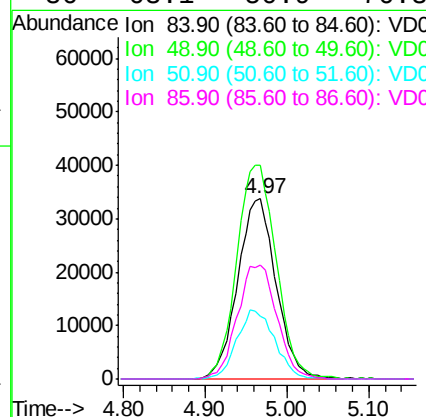
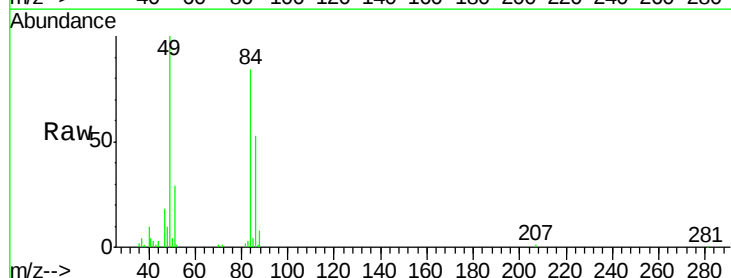
Manual Integrations
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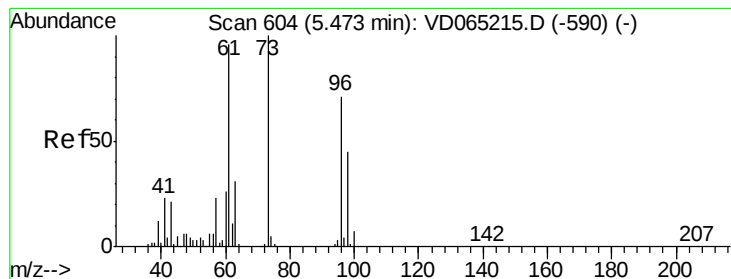
MMDadoda
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#20
Methylene Chloride
Concen: 19.365 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.5	103.1	154.7
51	34.7	31.7	47.5
86	63.1	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 19.999 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

ClientSampleId :

VD0224SBS01

Tot Ion: 96 Resp: 106735

Ion Ratio Lower Upper

96 100

61 131.8 108.3 162.5

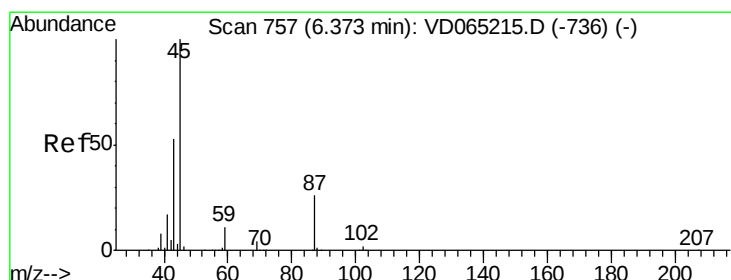
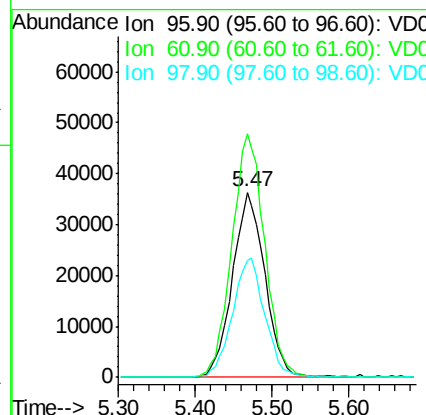
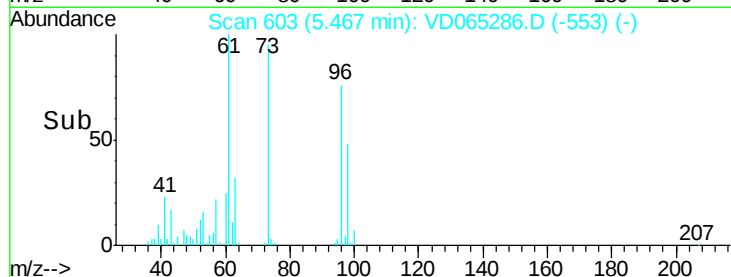
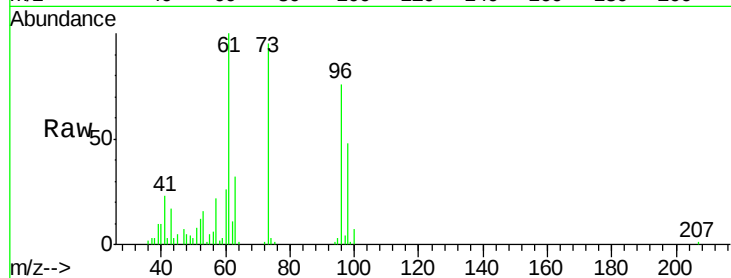
98 63.2 50.7 76.1

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.875 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Tgt Ion: 45 Resp: 292105

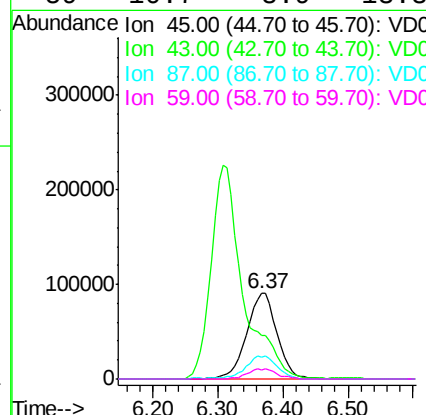
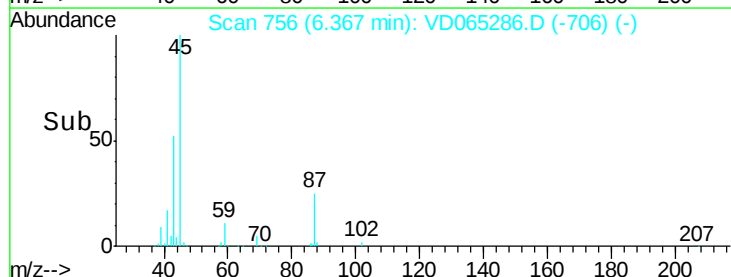
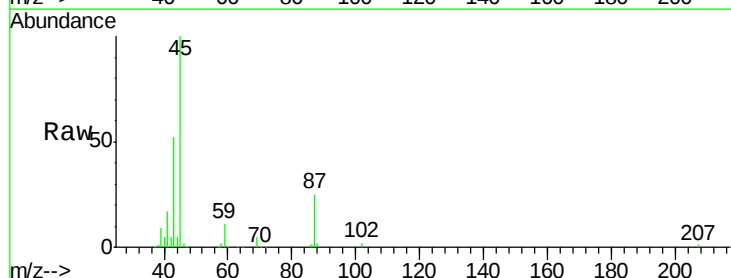
Ion Ratio Lower Upper

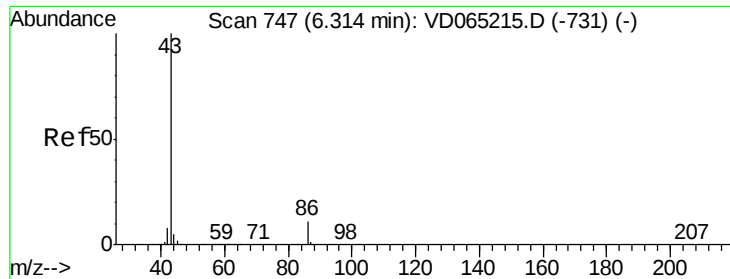
45 100

43 50.3 42.6 64.0

87 24.9 21.2 31.8

59 10.7 8.9 13.3





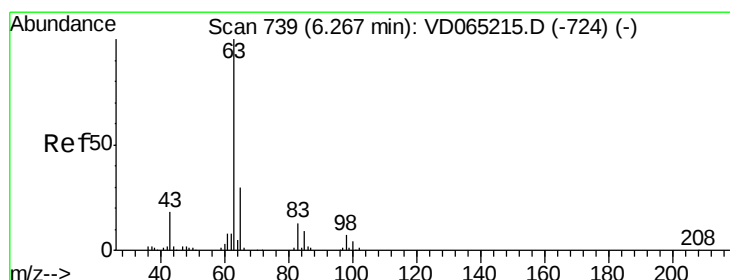
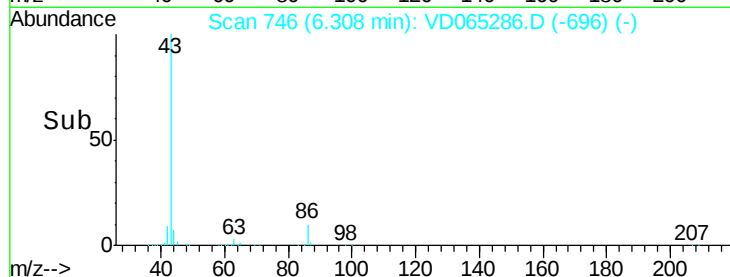
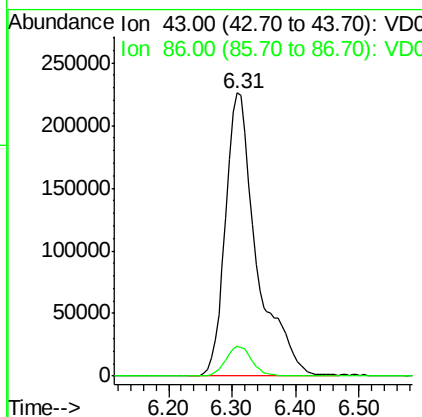
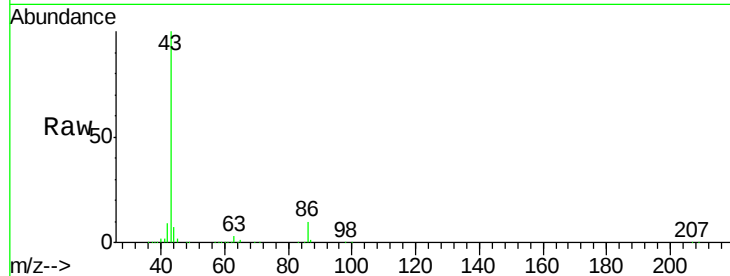
#23
 Vinyl Acetate
 Concen: 94.814 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0224SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.6	12.8

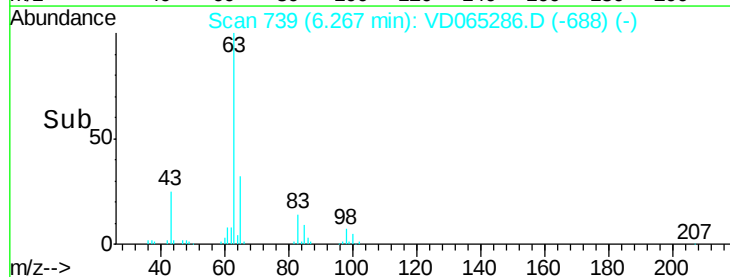
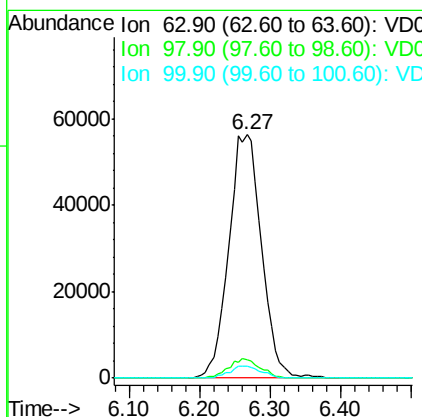
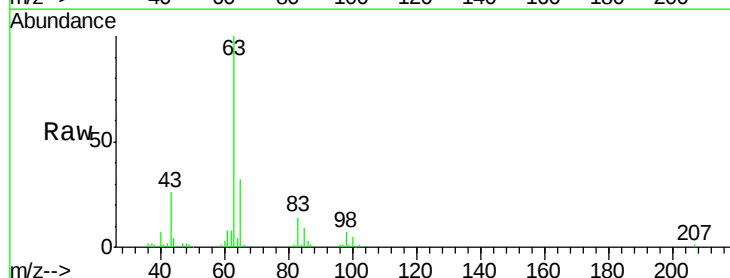
Manual Integrations
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#24
 1,1-Dichloroethane
 Concen: 19.942 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.1
100	4.7	2.3	6.8





#25

2-Butanone

Concen: 90.791 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

ClientSampleId :

VD0224SBS01

Tot Ion: 43 Resp: 127914

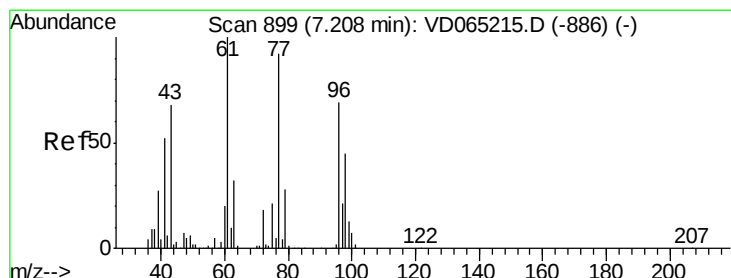
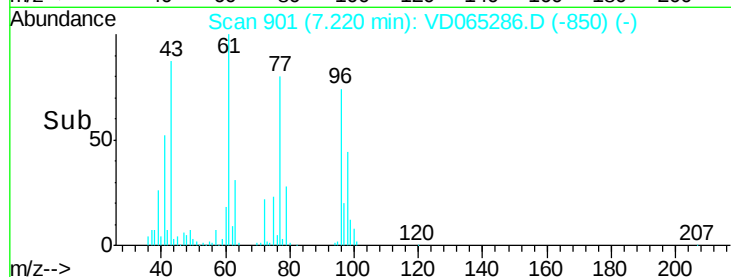
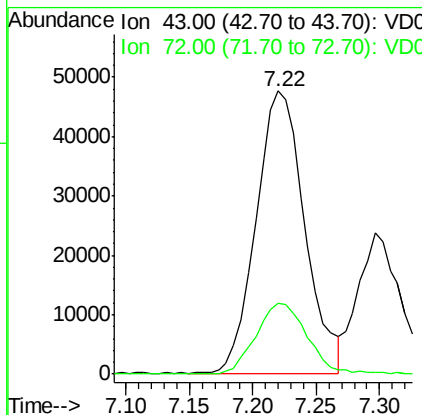
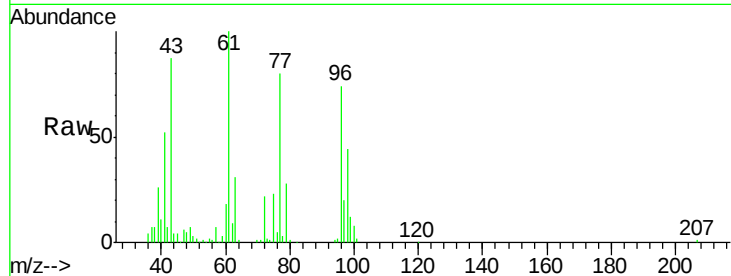
Ion Ratio Lower Upper

43 100

72 24.9 20.9 31.3

Manual Integrations
APPROVED

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#26

2,2-Dichloropropane

Concen: 20.037 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065286.D

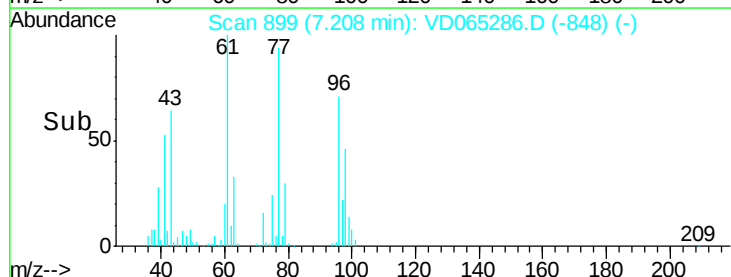
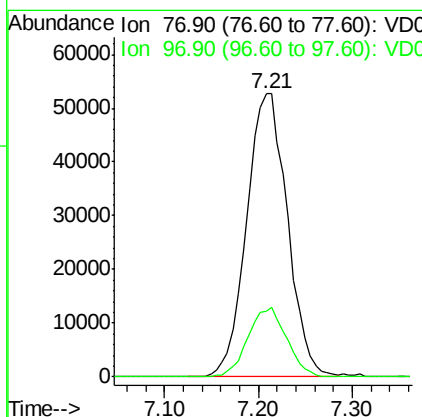
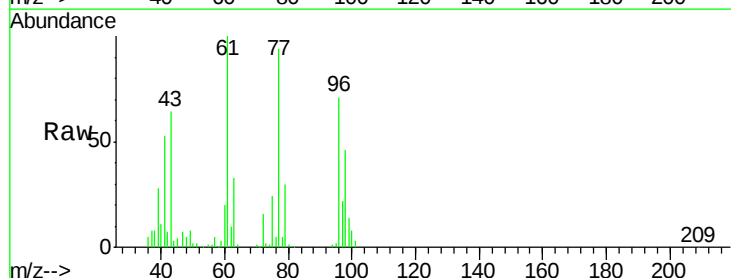
Acq: 24 Feb 2020 11:13

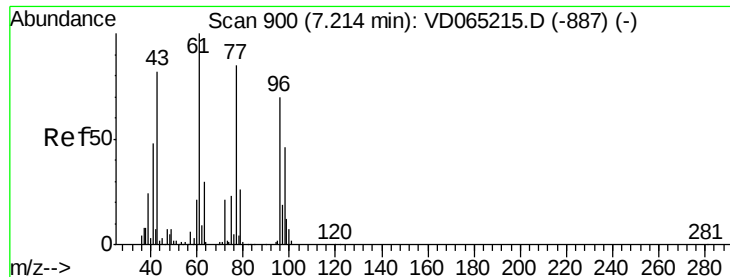
Tgt Ion: 77 Resp: 158484

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.1





#27

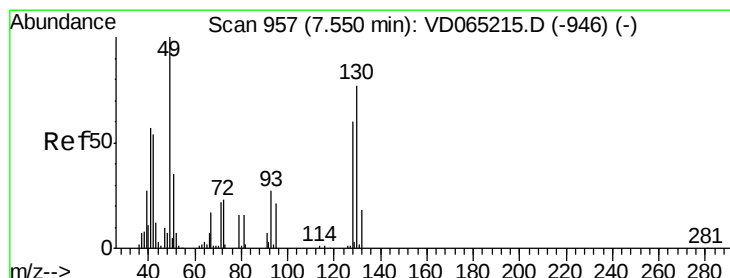
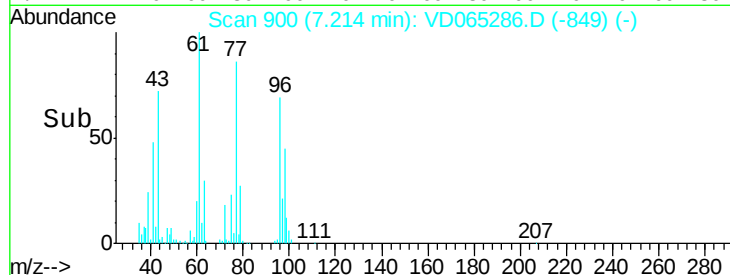
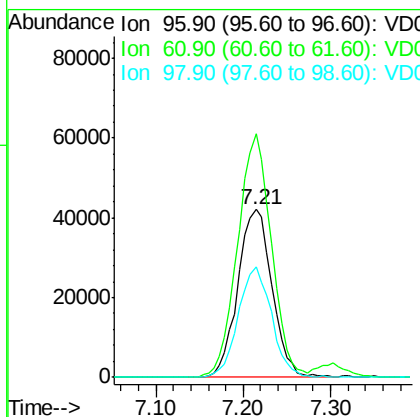
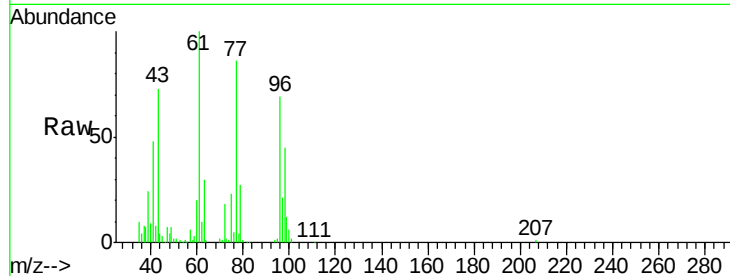
cis-1,2-Dichloroethene
Concen: 19.766 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.8	0.0	286.0	
98	63.9	0.0	127.8	

Manual Integrations
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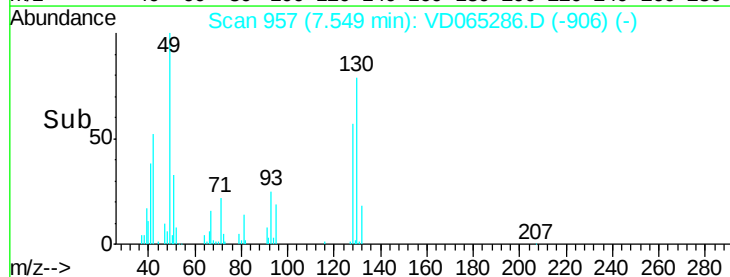
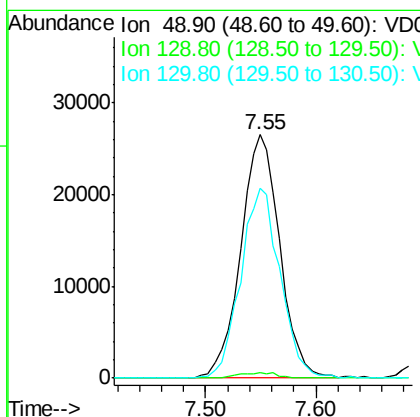
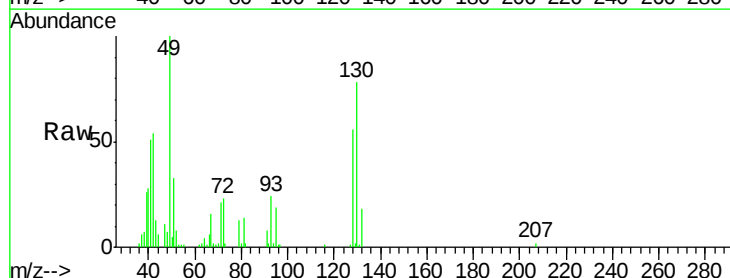
MMDadoda
2/25/2020 5:15:22 PM

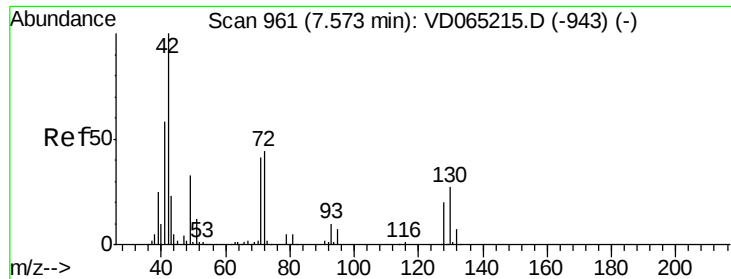


#28

Bromochloromethane
Concen: 19.468 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.6	
130	78.8	64.7	97.1	





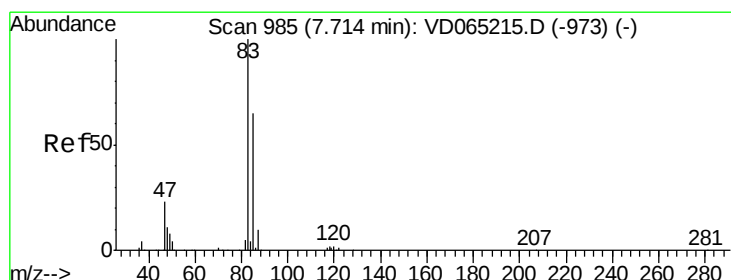
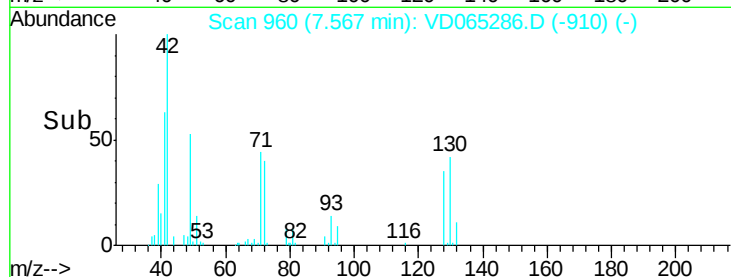
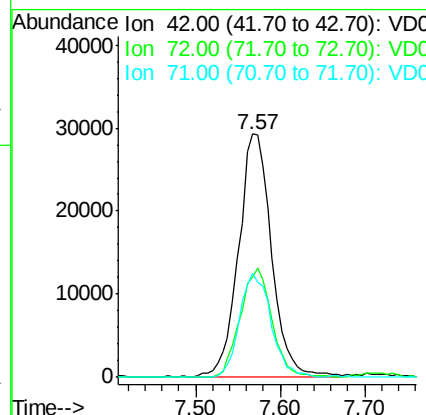
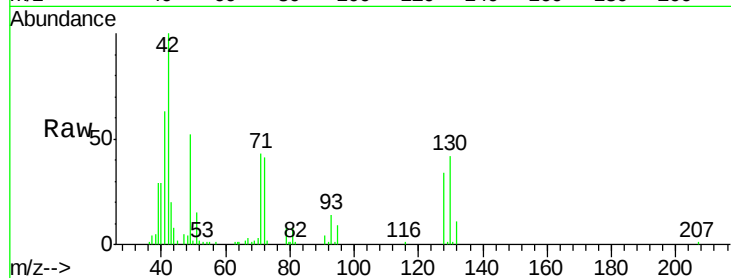
#29
Tetrahydrofuran
Concen: 96.492 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	33.7	50.5
71	40.6	31.4	47.2

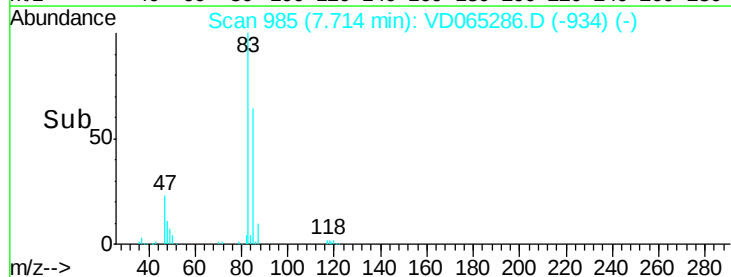
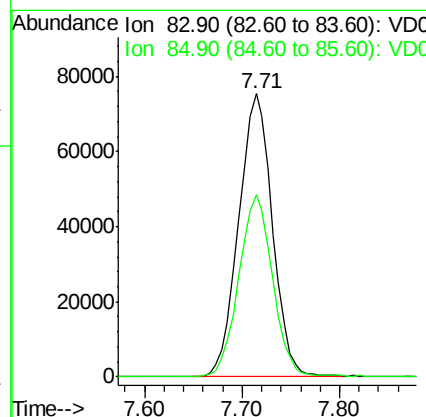
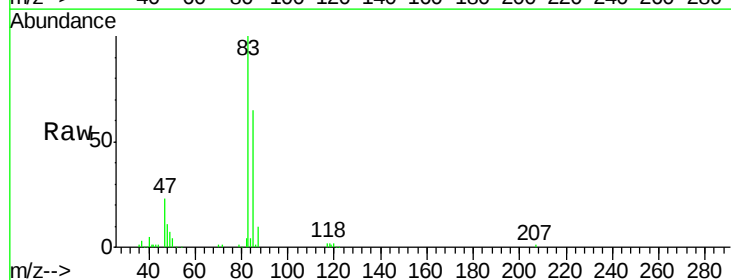
Manual Integrations
APPROVED

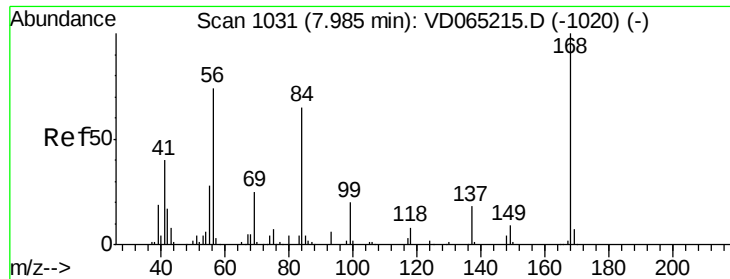
MMDadoda
2/25/2020 5:15:22 PM



#30
Chloroform
Concen: 19.784 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.3	78.5





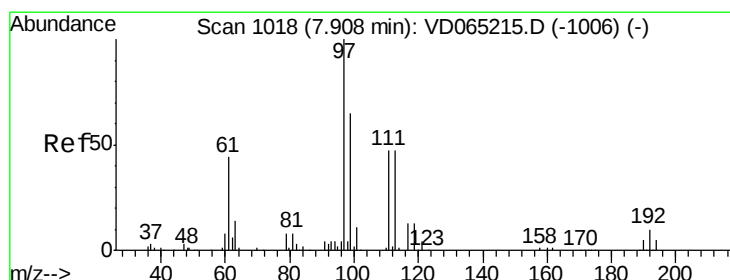
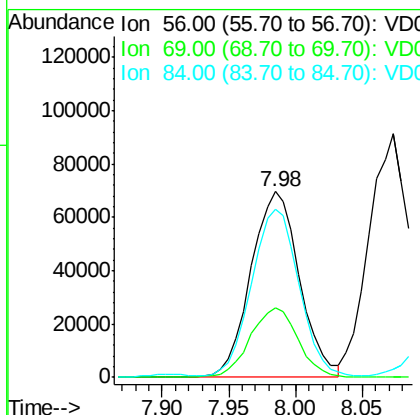
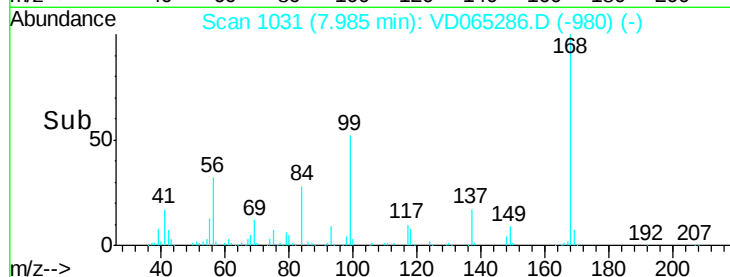
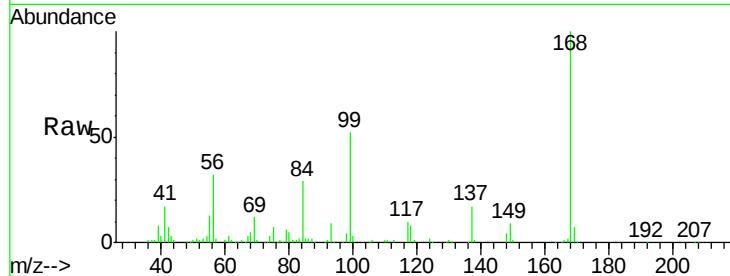
#31
Cyclohexane
Concen: 19.667 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.4	27.4	41.0
84	89.8	71.1	106.7

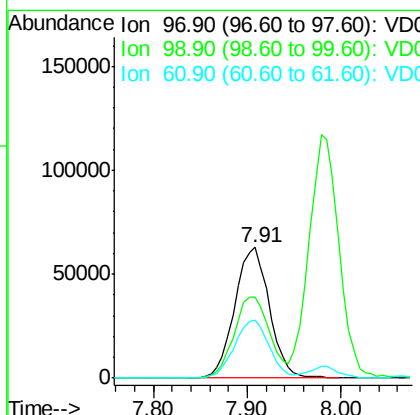
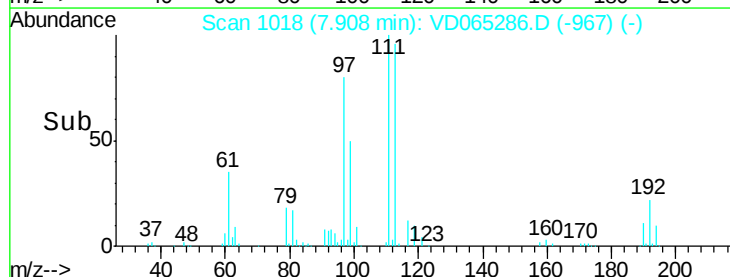
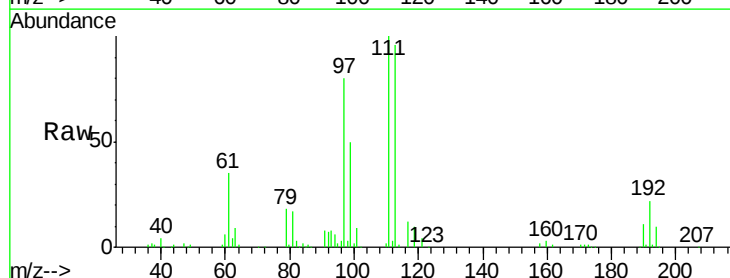
Manual Integrations
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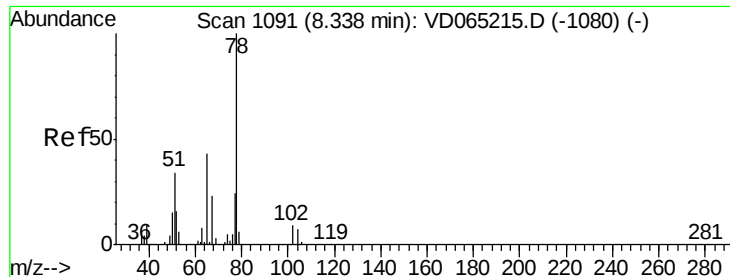
MMDadoda
2/25/2020 5:15:22 PM



#32
1,1,1-Trichloroethane
Concen: 19.637 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.2
61	44.4	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 48.930 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

ClientSampleId :

VD0224SBS01

Tot Ion: 65 Resp: 222892

Ion Ratio Lower Upper

65 100

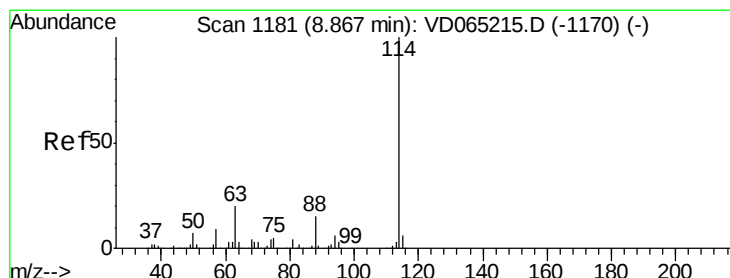
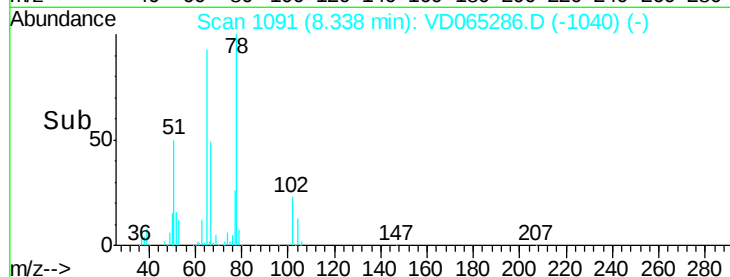
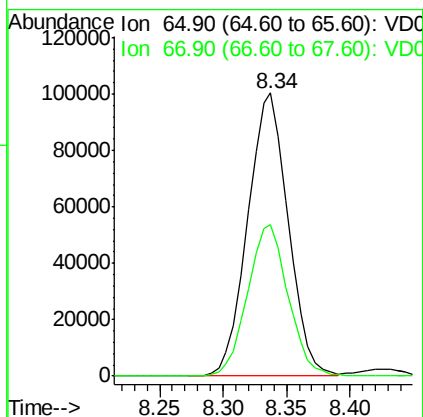
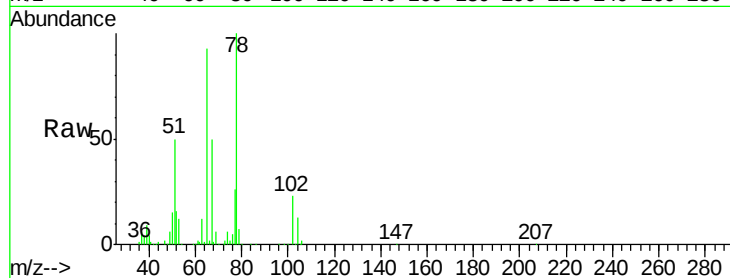
67 53.9 0.0 106.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

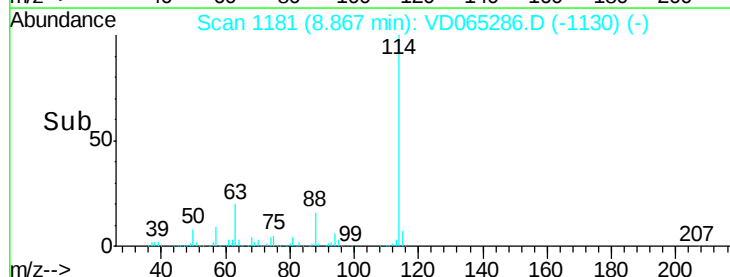
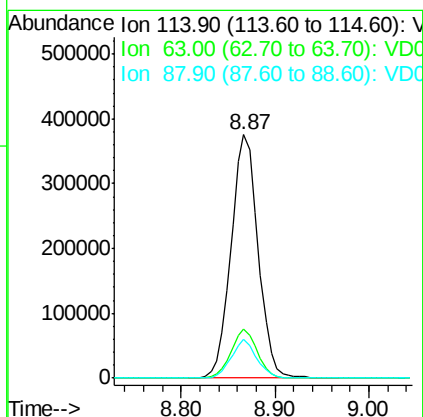
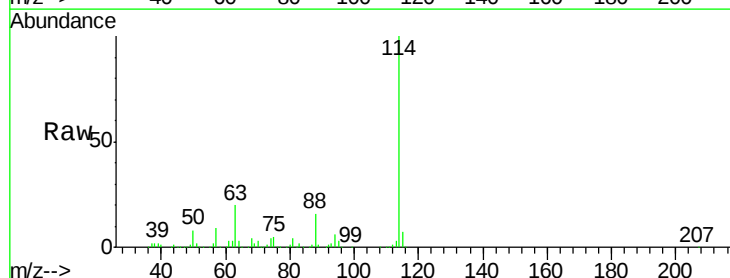
Tgt Ion: 114 Resp: 750436

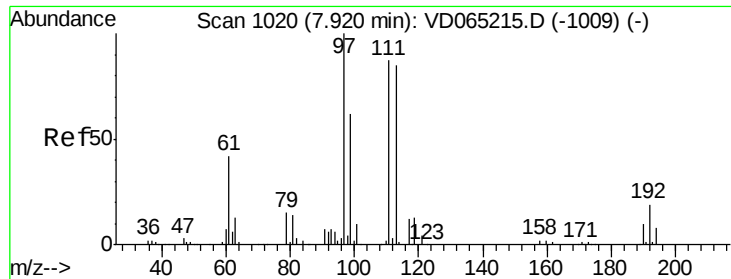
Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.4

88 15.7 0.0 30.4





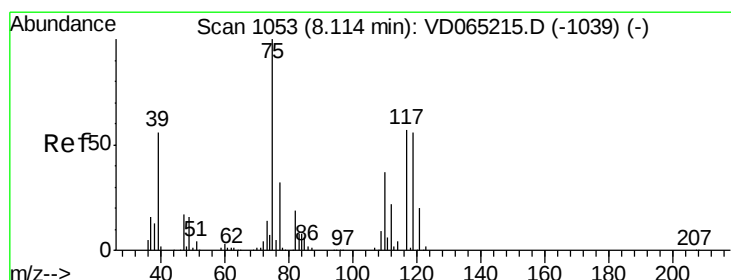
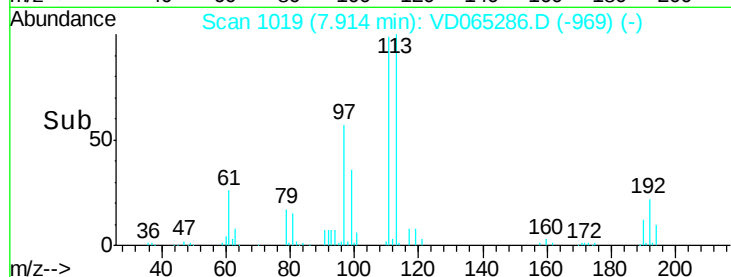
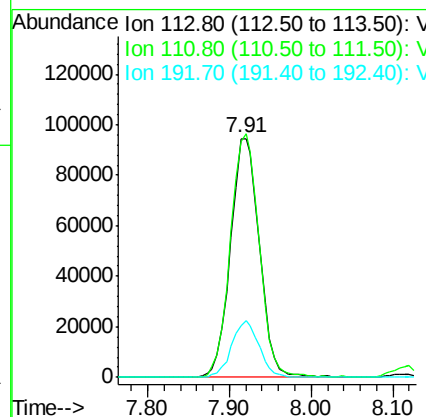
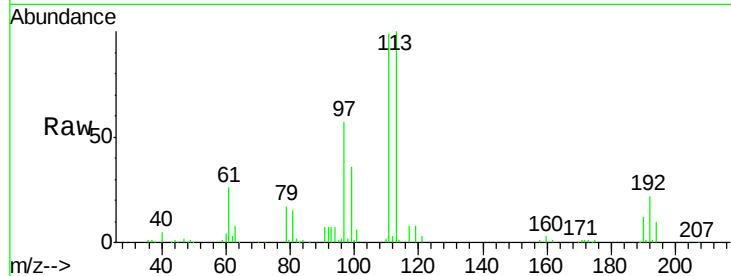
#35
 Dibromofluoromethane
 Concen: 50.916 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0224SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.9	124.3
192	22.6	17.3	25.9

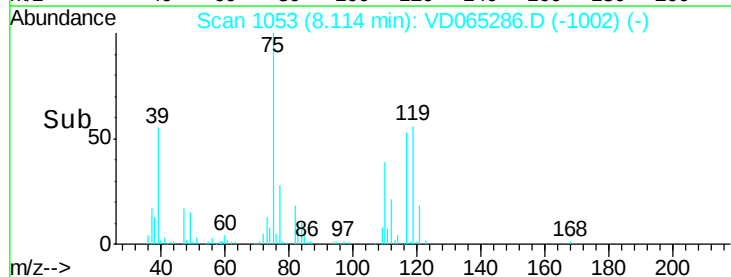
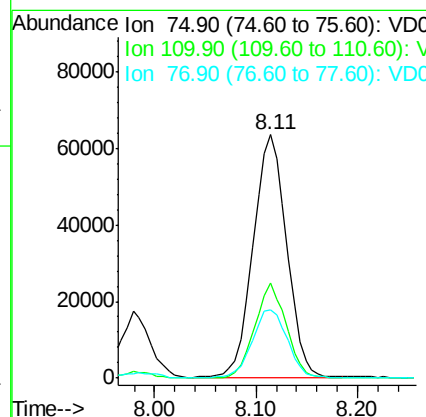
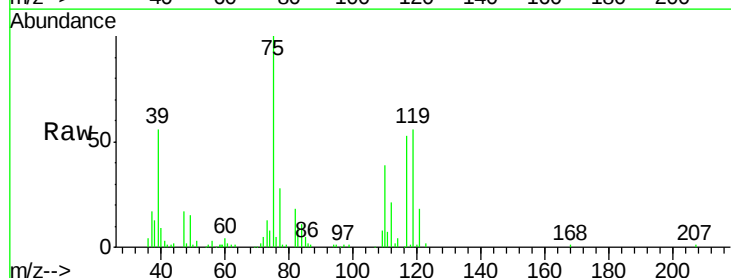
Manual Integrations
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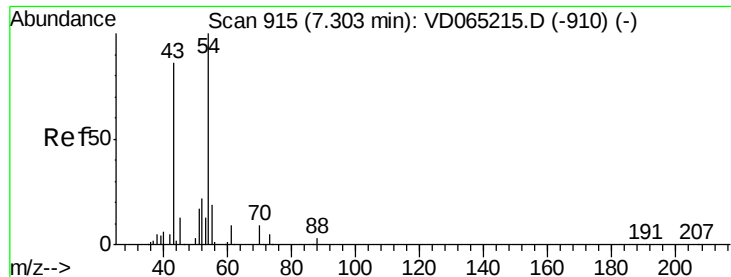
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 20.108 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	17.9	53.7
77	29.5	25.1	37.7





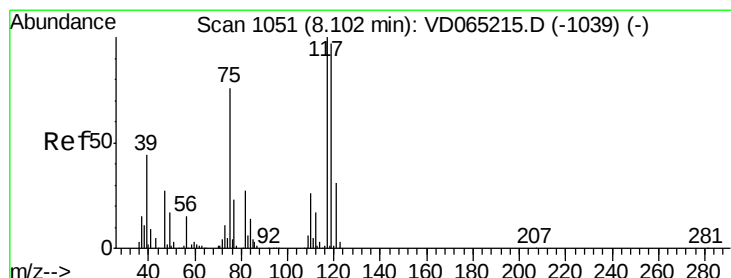
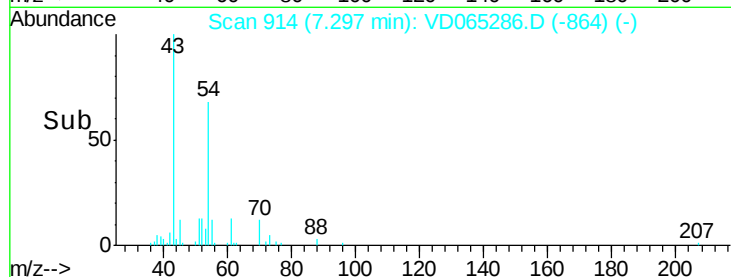
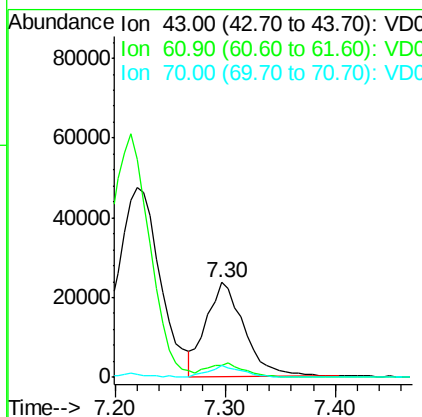
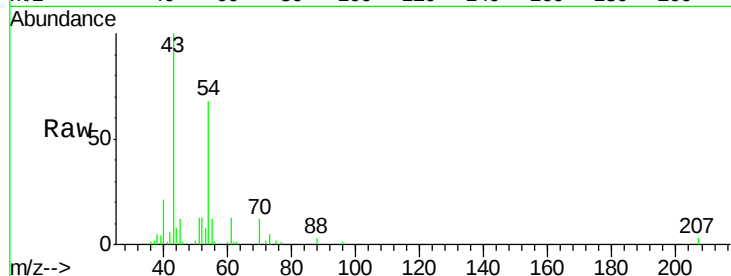
#37
Ethyl Acetate
Concen: 18.426 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.2	16.8
70	11.2	8.2	12.2

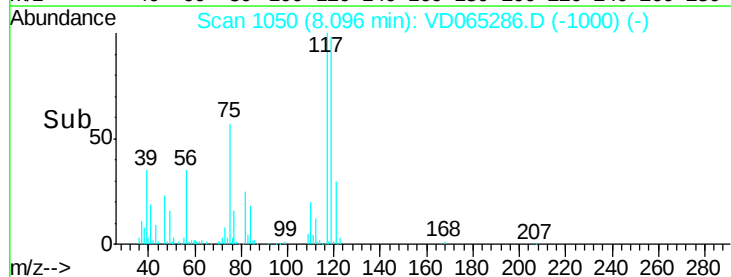
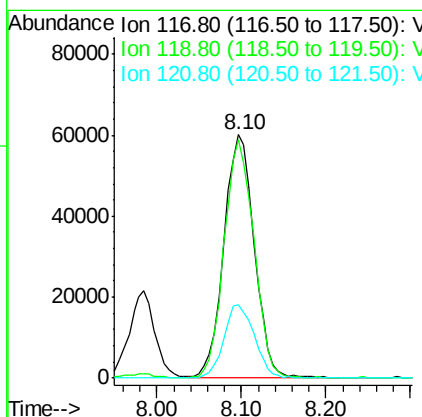
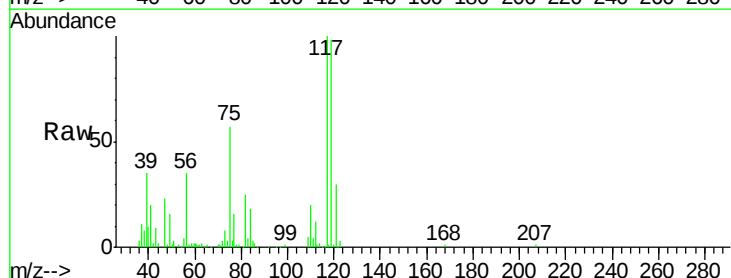
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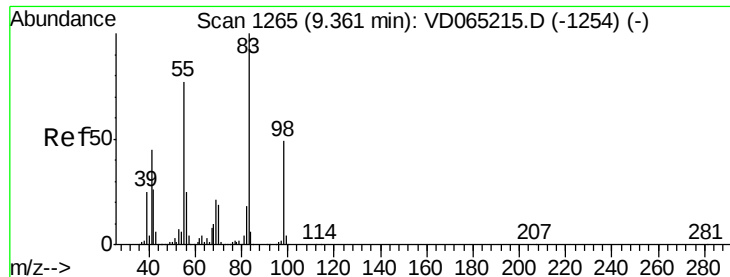
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#38
Carbon Tetrachloride
Concen: 20.129 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.6	116.4
121	30.2	24.8	37.2





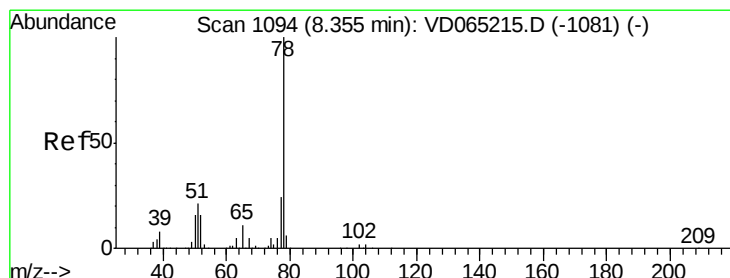
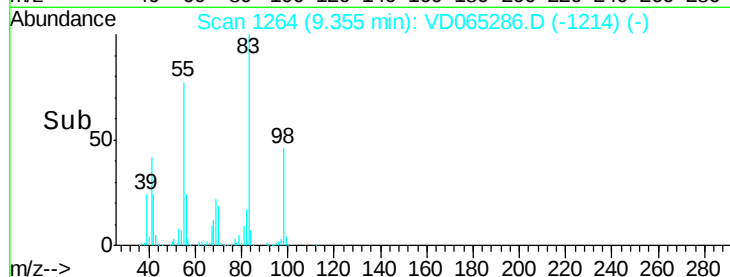
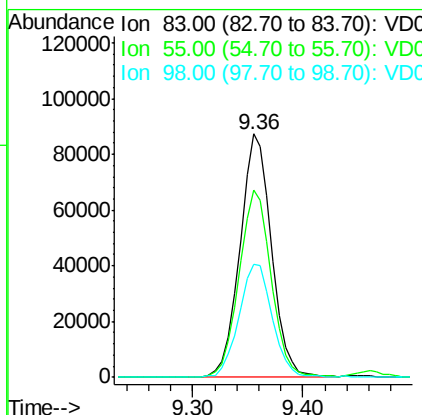
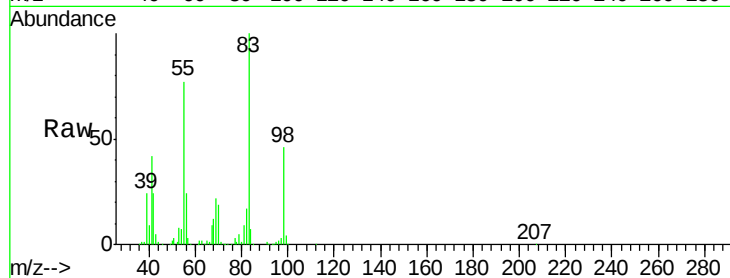
#39
Methvlcvclohexane
Concen: 20.459 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.8	61.8	92.6
98	46.2	39.4	59.0

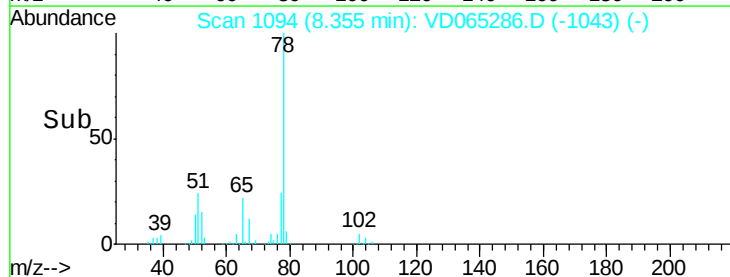
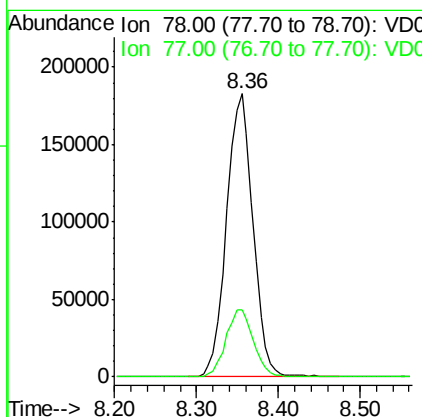
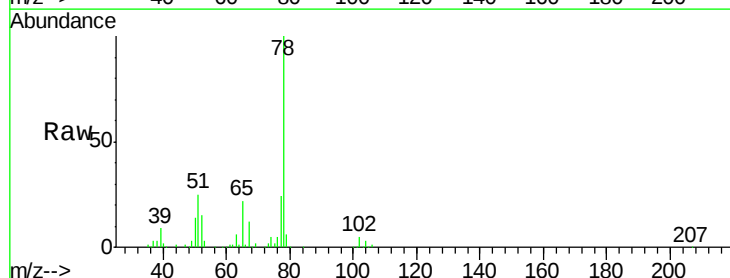
Manual Integrations
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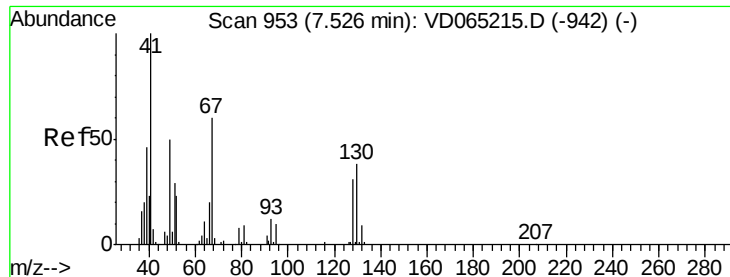
MMDadoda
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#40
Benzene
Concen: 19.970 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





#41

Methacrylonitrile

Concen: 18.532 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

ClientSampleId :

VD0224SBS01

Tot Ion: 41 Resp: 32662

Ion Ratio Lower Upper

41 100

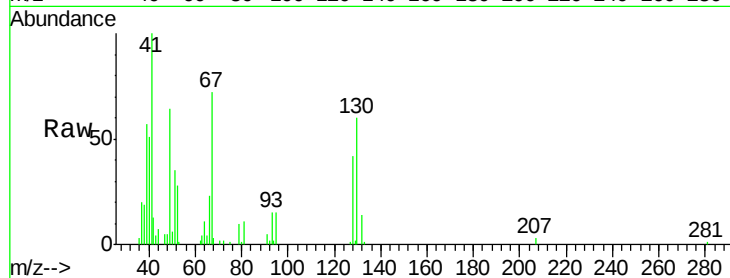
39 52.9 48.1 72.1

67 71.0 58.9 88.3

52 33.2 24.2 36.2

Manual Integrations
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2/25/2020 5:15:22 PM

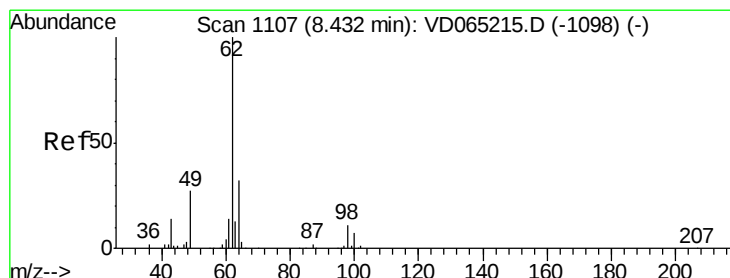
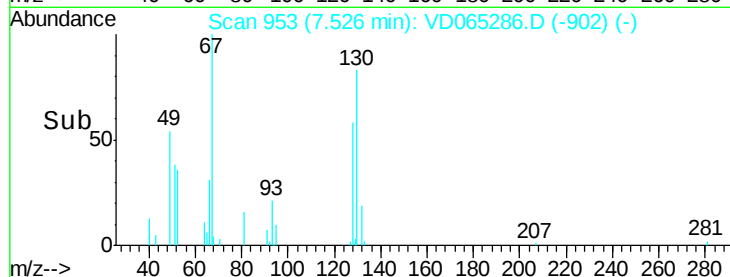
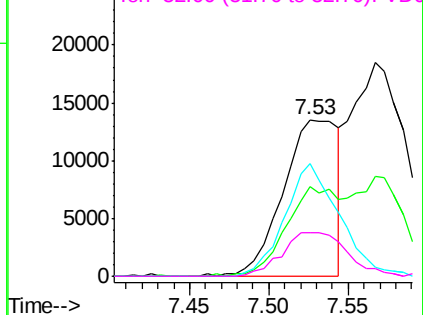


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.734 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065286.D

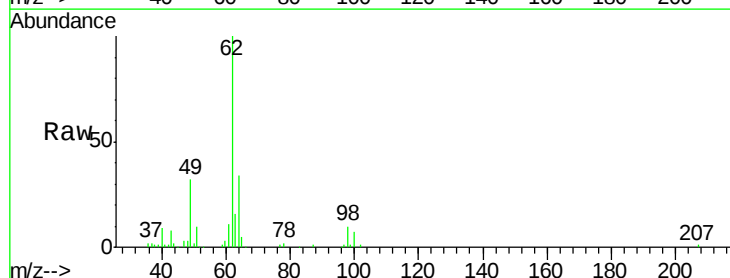
Acq: 24 Feb 2020 11:13

Tgt Ion: 62 Resp: 111811

Ion Ratio Lower Upper

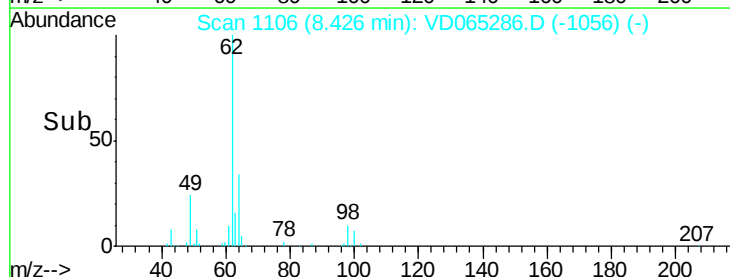
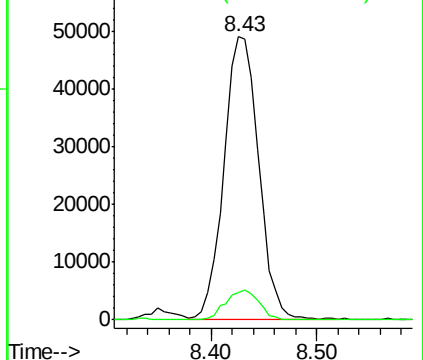
62 100

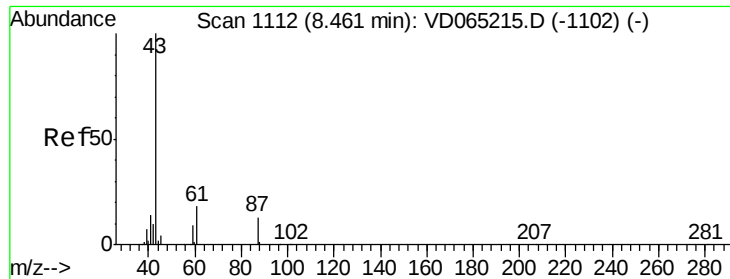
98 10.2 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.219 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

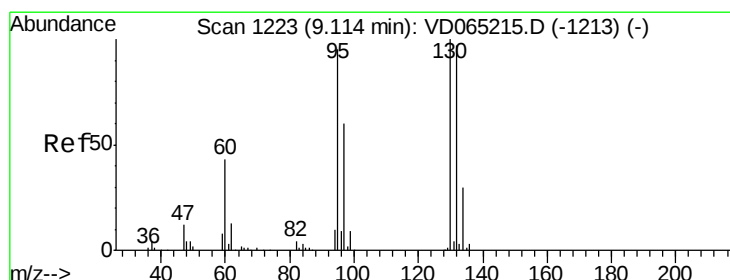
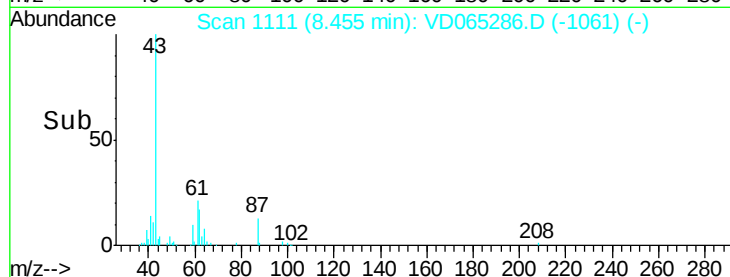
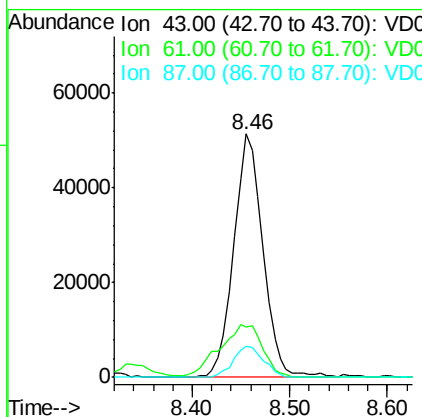
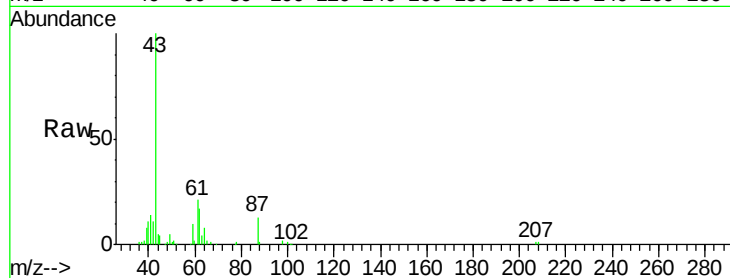
ClientSampleId :

VD0224SBS01

Tot Ion:	43	Resp:	106681
Ion	Ratio	Lower	Upper
43	100		
61	32.1	24.6	36.8
87	13.1	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 20.353 ug/l

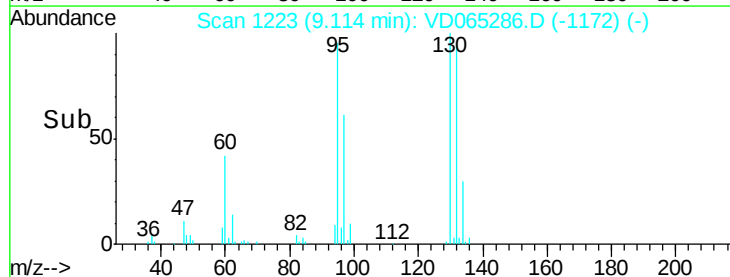
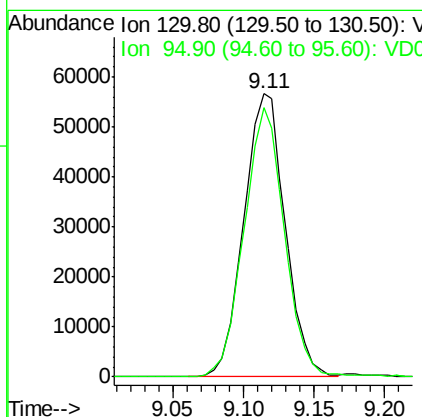
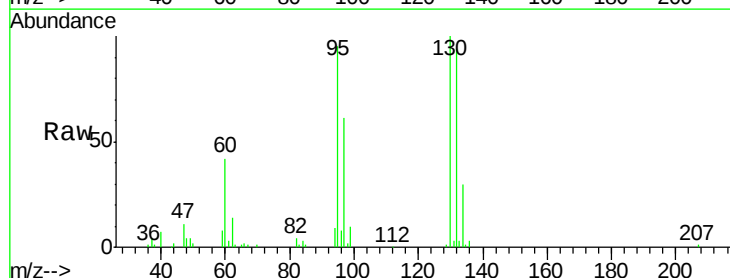
RT: 9.11 min Scan# 1223

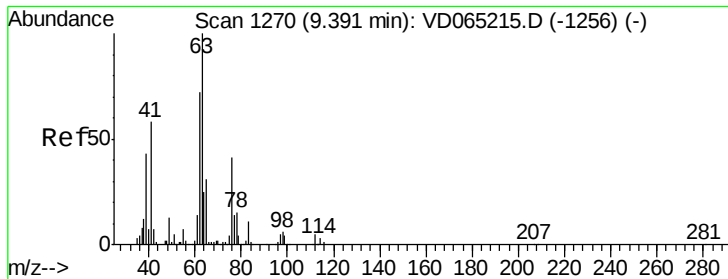
Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Tgt Ion:	130	Resp:	116277
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	190.6





#45

1,2-Dichloropropane

Concen: 20.071 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

ClientSampleId :

VD0224SBS01

Tot Ion: 63 Resp: 102859

Ion Ratio Lower Upper

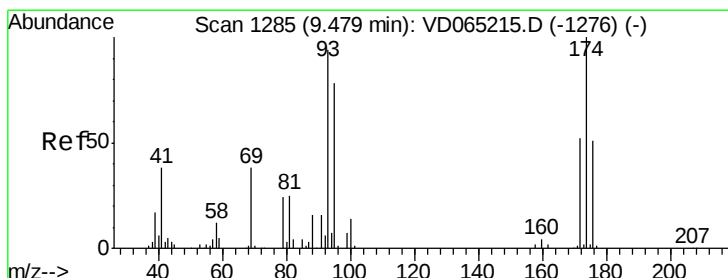
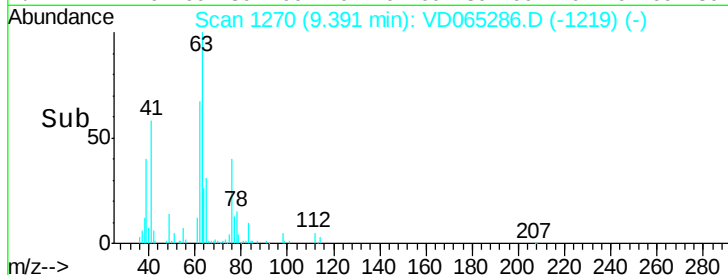
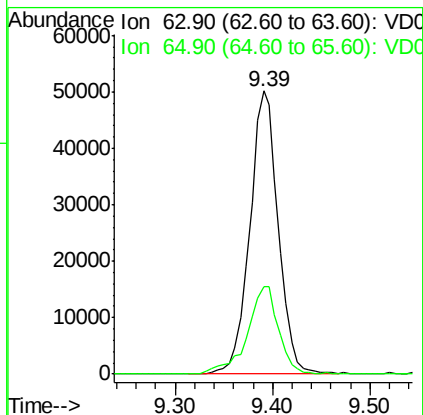
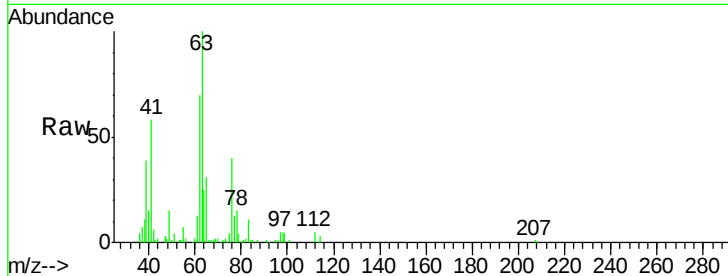
63 100

65 30.9 24.9 37.3

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#46

Dibromomethane

Concen: 19.859 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

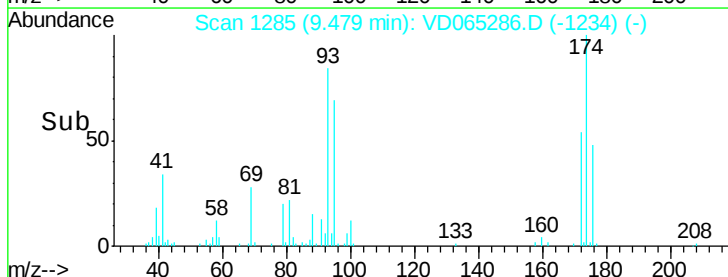
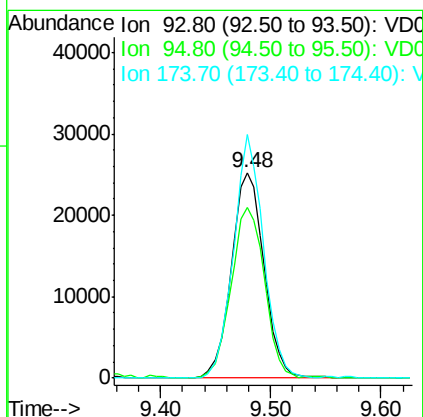
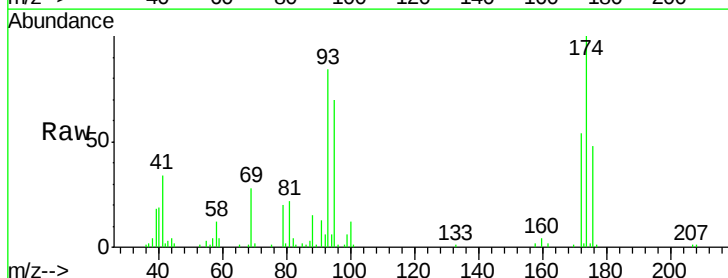
Tgt Ion: 93 Resp: 52366

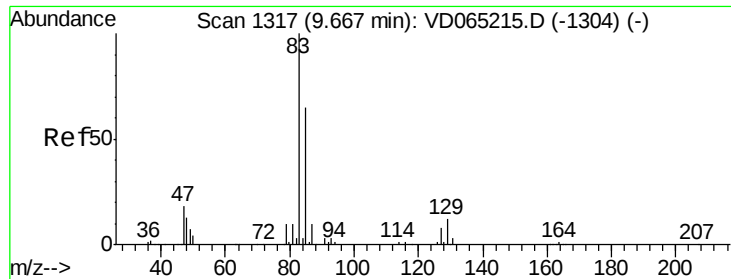
Ion Ratio Lower Upper

93 100

95 84.7 65.8 98.6

174 108.5 86.8 130.2





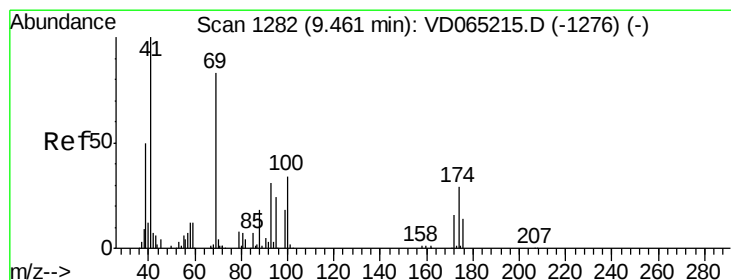
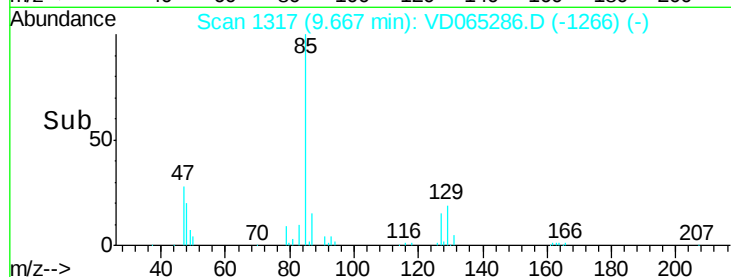
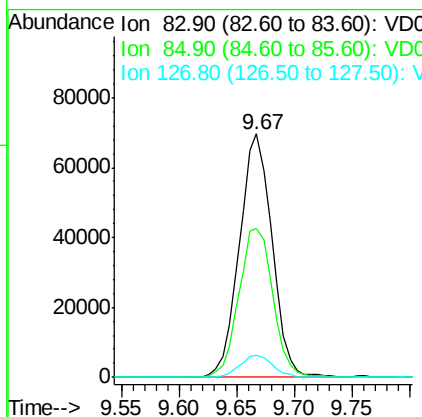
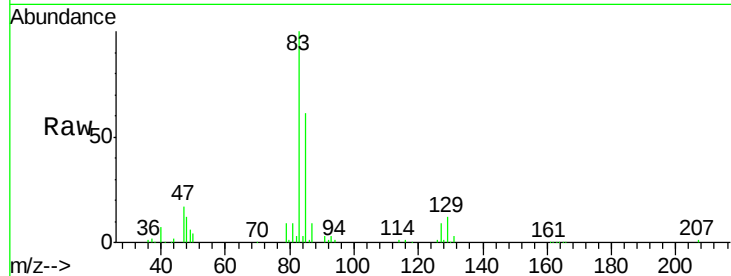
#47
Bromodichloromethane
Concen: 19.795 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	137553		
85	61.0	52.0	78.0	
127	8.9	6.7	10.1	

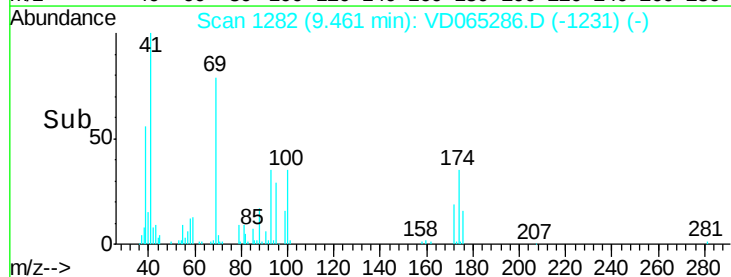
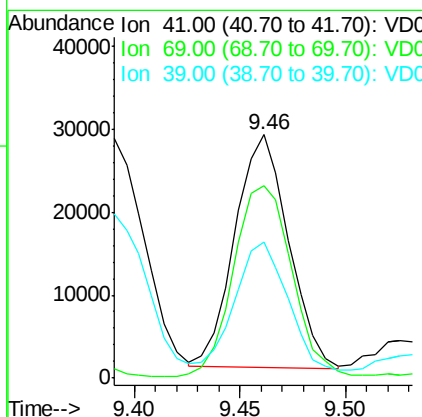
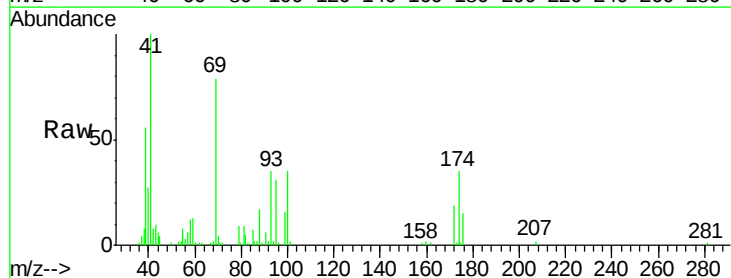
Manual Integrations
APPROVED

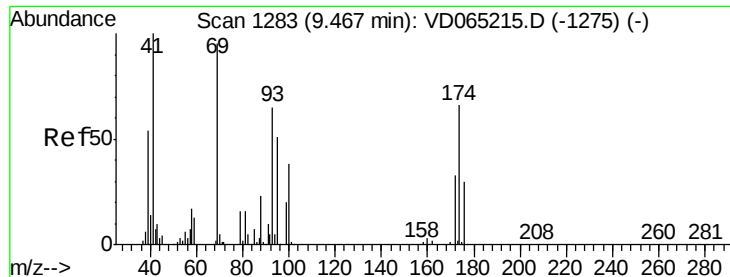
MMDadoda
2/25/2020 5:15:22 PM



#48
Methyl methacrylate
Concen: 19.247 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	49383		
69	91.3	68.2	102.2	
39	54.2	42.0	63.0	





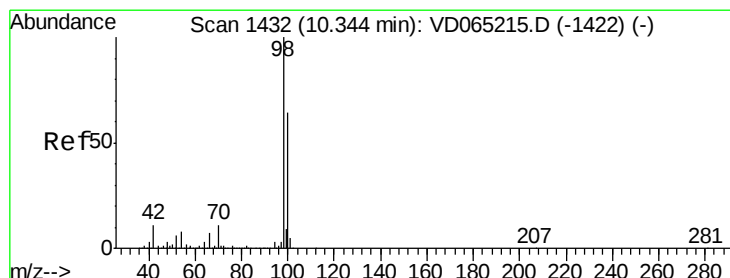
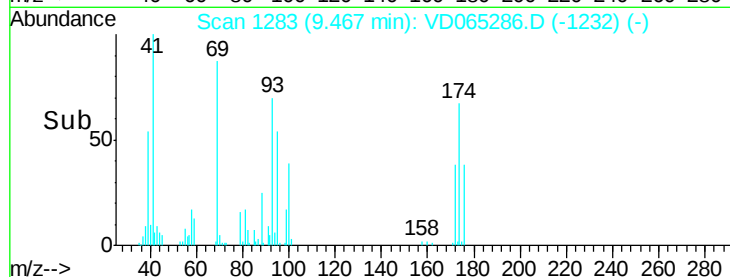
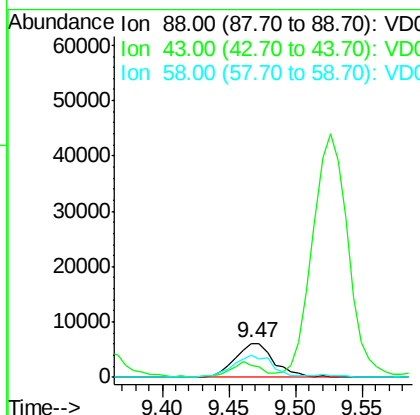
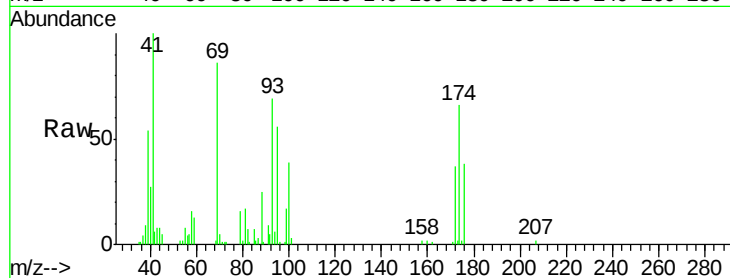
#49
1,4-Dioxane
Concen: 406.518 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.7	28.5	42.7
58	65.5	58.6	87.8

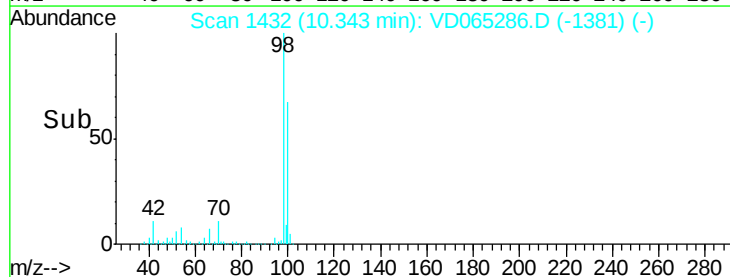
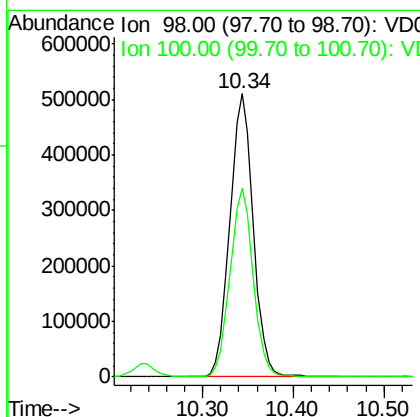
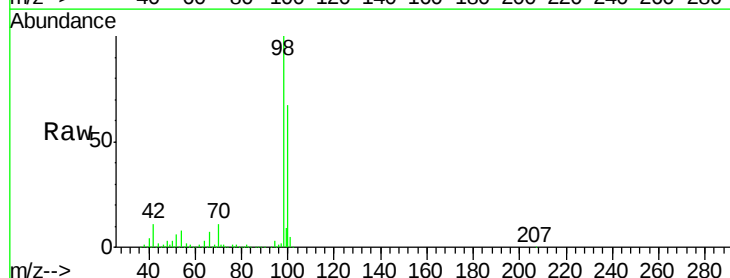
Manual Integrations
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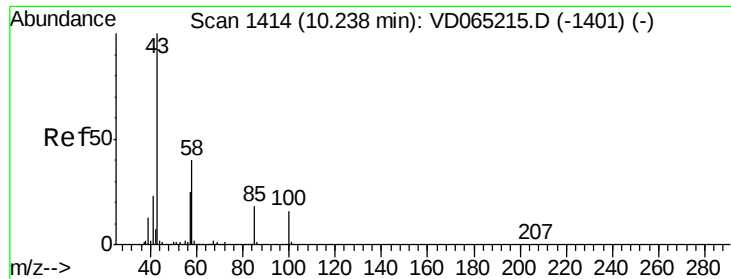
MMDadoda
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#50
Toluene-d8
Concen: 52.630 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0





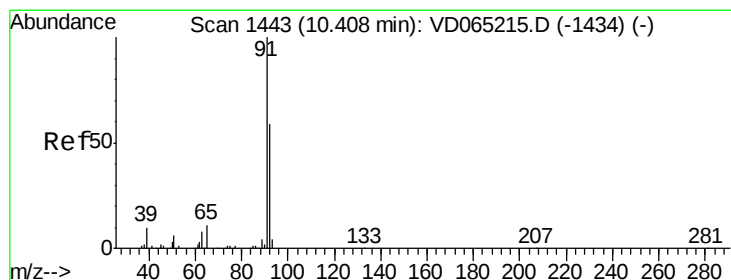
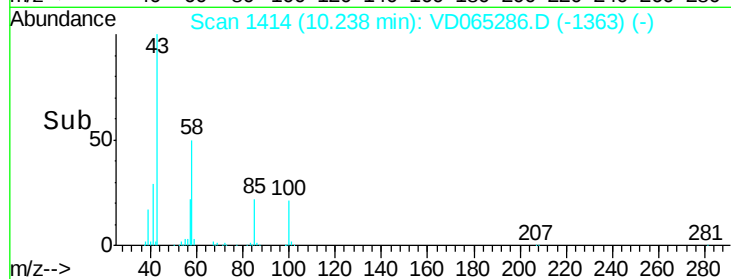
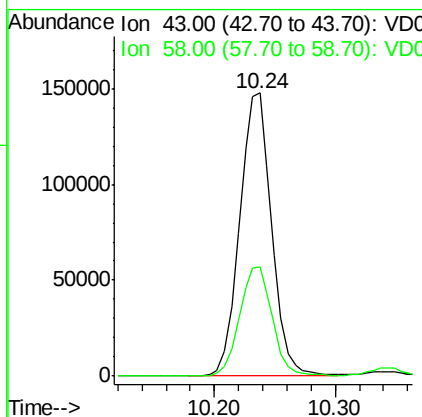
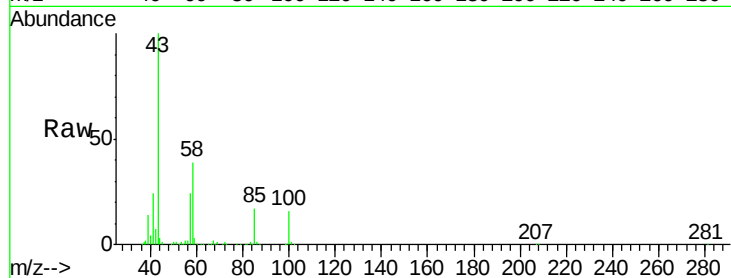
#51
4-Methyl-2-Pentanone
Concen: 96.500 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.1	46.7

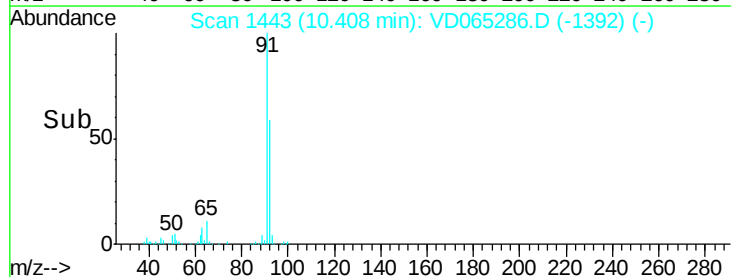
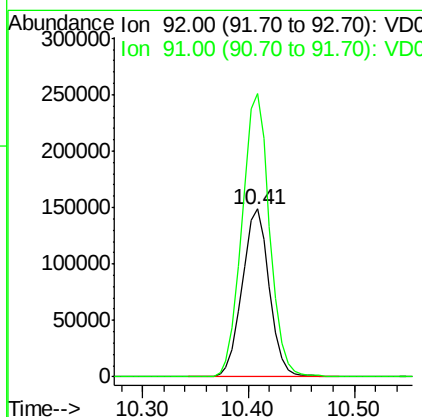
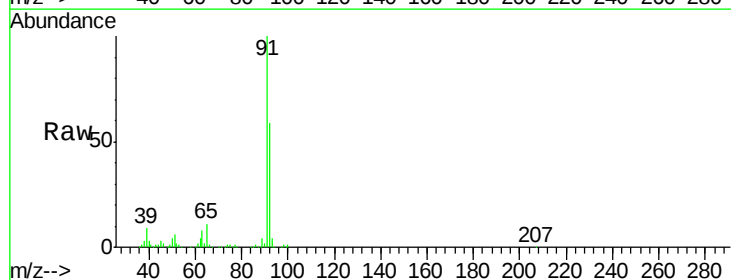
Manual Integrations
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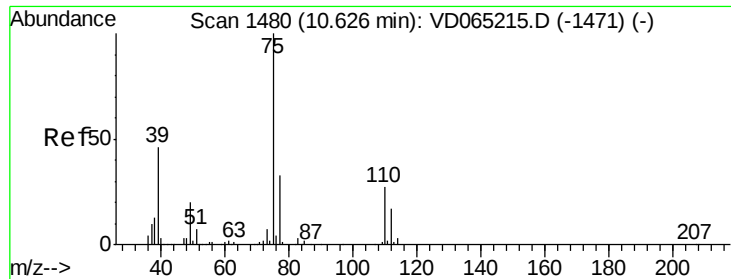
MMDadoda
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#52
Toluene
Concen: 20.760 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.9	136.3	204.5





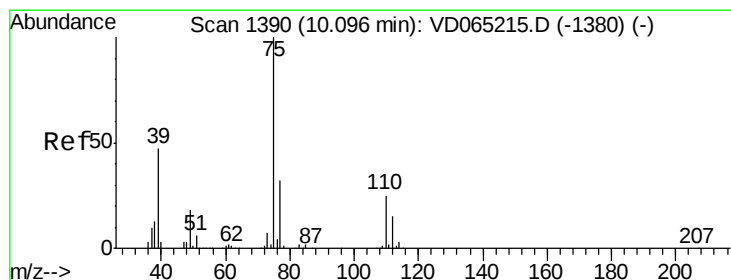
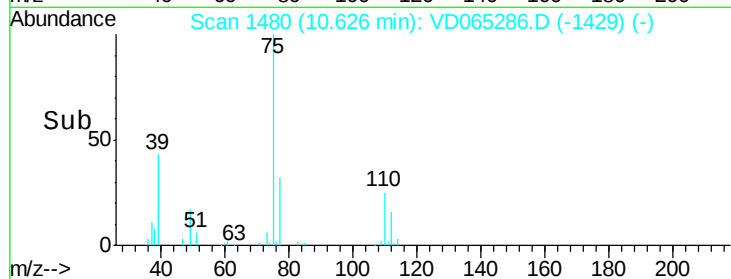
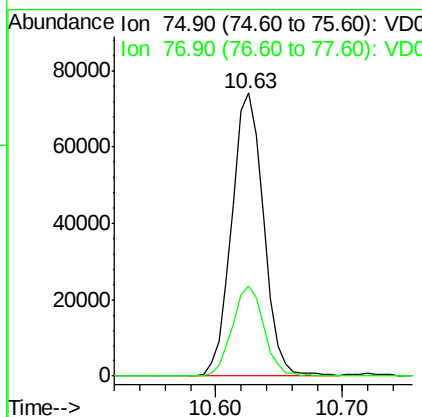
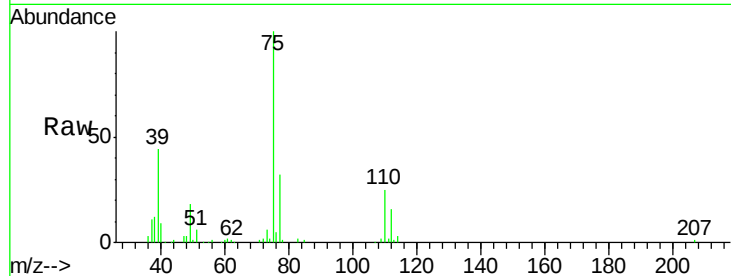
#53
 t-1,3-Dichloropropene
 Concen: 19.977 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0224SBS01

Tot Ion: 75 Resp: 128672
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.6 40.0

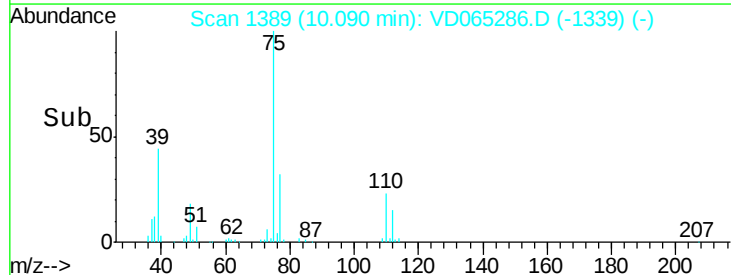
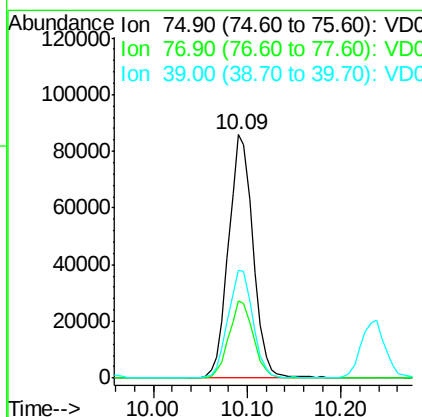
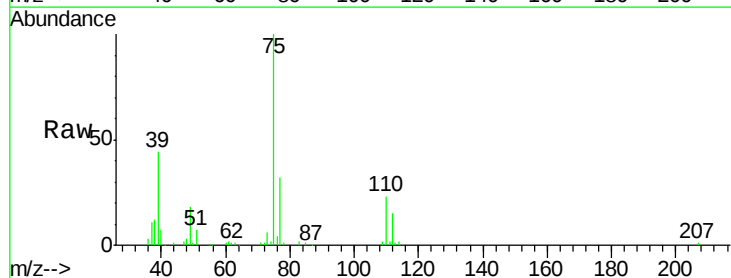
Manual Integrations
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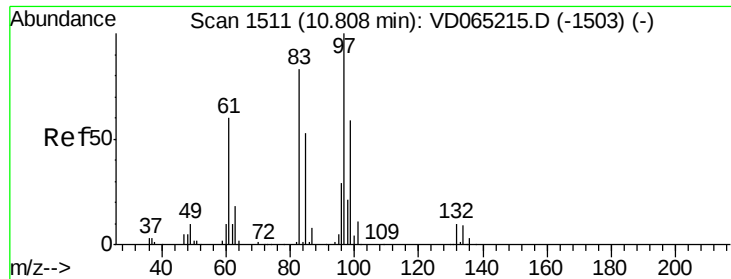
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#54
 cis-1,3-Dichloropropene
 Concen: 20.079 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Tgt Ion: 75 Resp: 156174
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.8
 39 44.0 37.3 55.9





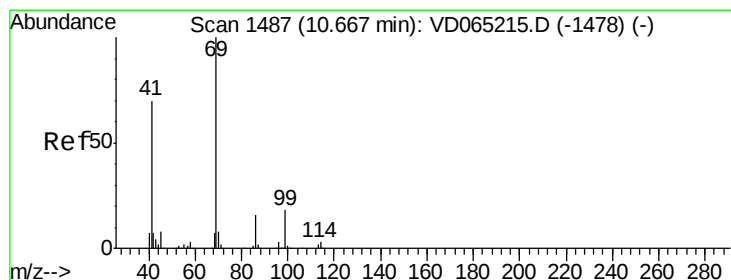
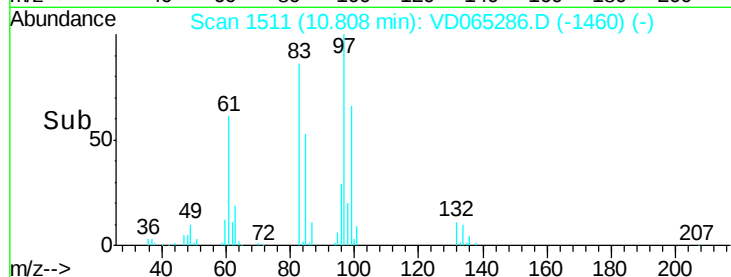
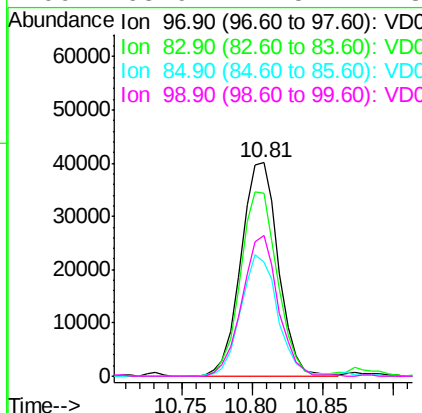
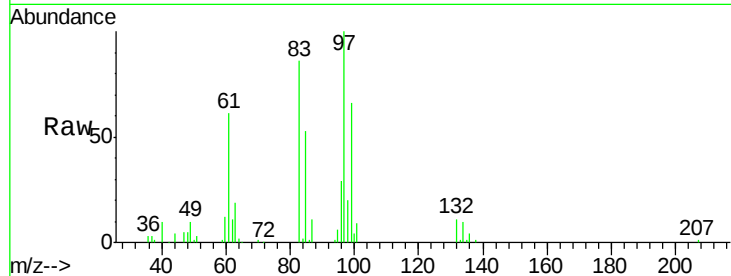
#55
 1,1,2-Trichloroethane
 Concen: 20.127 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0224SBS01

Tot Ion:	97	Resp:	74699
Ion	Ratio	Lower	Upper
97	100		
83	85.8	66.7	100.1
85	53.3	42.4	63.6
99	65.9	47.5	71.3

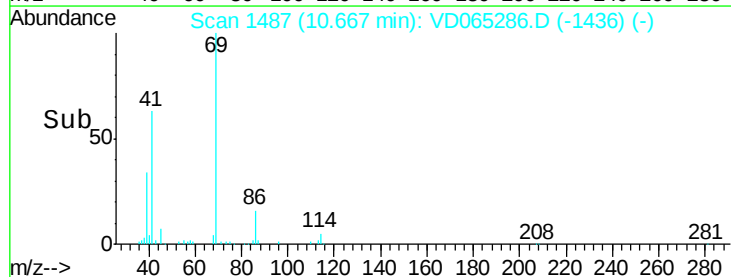
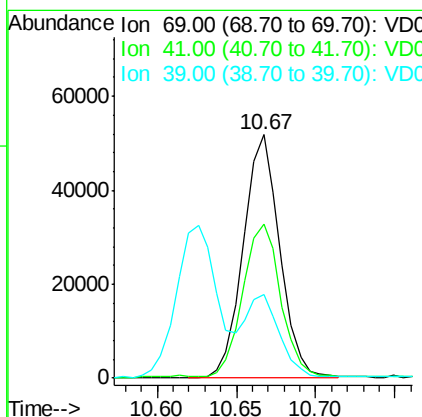
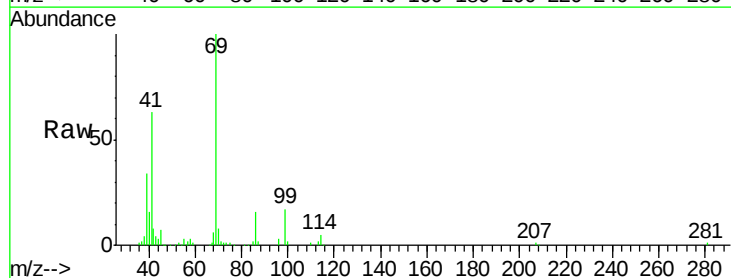
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 19.362 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Tgt Ion:	69	Resp:	82940
Ion	Ratio	Lower	Upper
69	100		
41	65.4	54.6	81.8
39	30.9	26.5	39.7





#57

1,3-Dichloropropane

Concen: 19.767 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

ClientSampleId :

VD0224SBS01

Tot Ion: 76 Resp: 124863

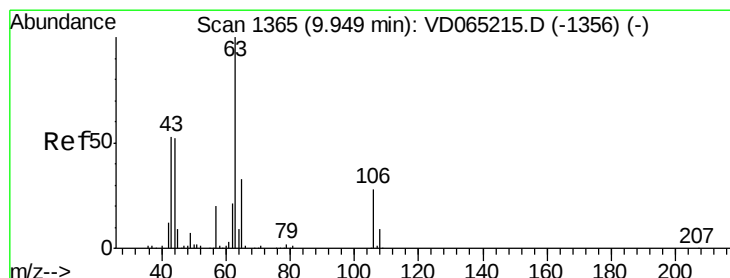
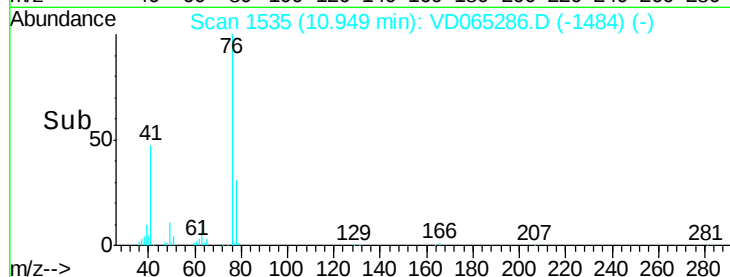
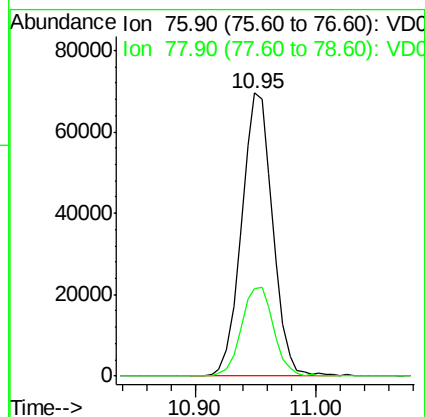
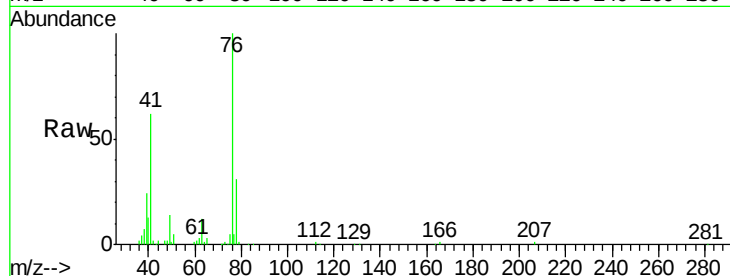
Ion Ratio Lower Upper

76 100

78 32.6 26.3 39.5

Manual Integrations
APPROVED

MMDadoda
2/25/2020 5:15:22 PM



#58

2-Chloroethyl Vinyl ether

Concen: 96.397 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD065286.D

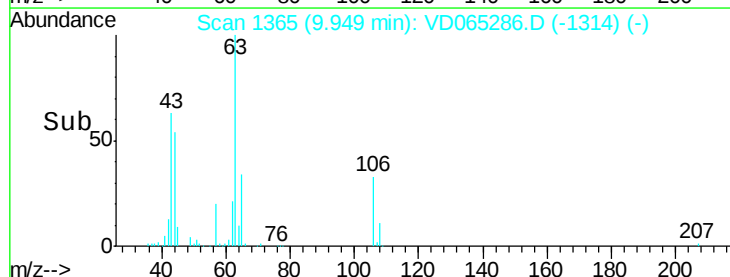
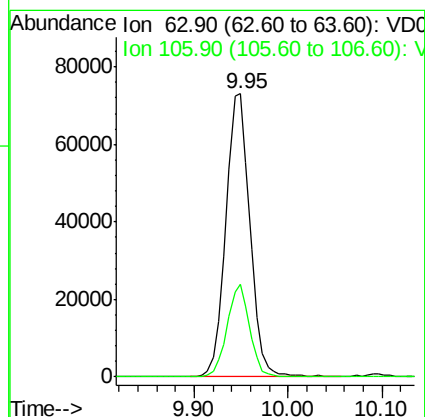
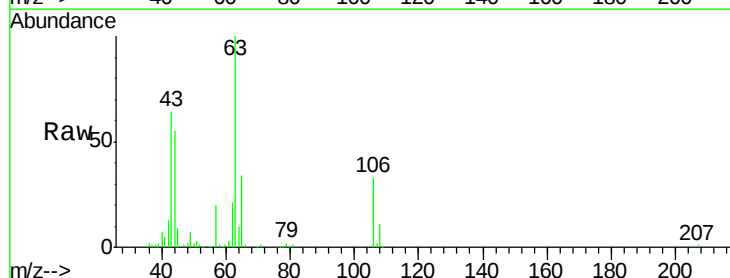
Acq: 24 Feb 2020 11:13

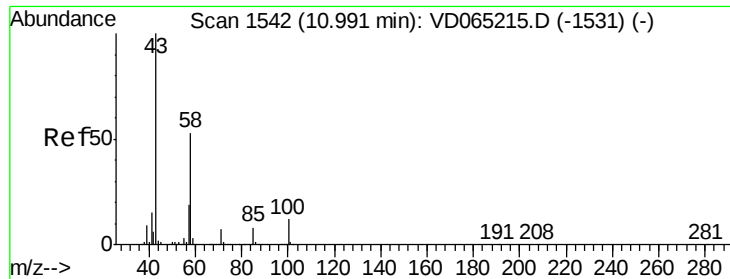
Tgt Ion: 63 Resp: 130187

Ion Ratio Lower Upper

63 100

106 30.4 22.8 34.2





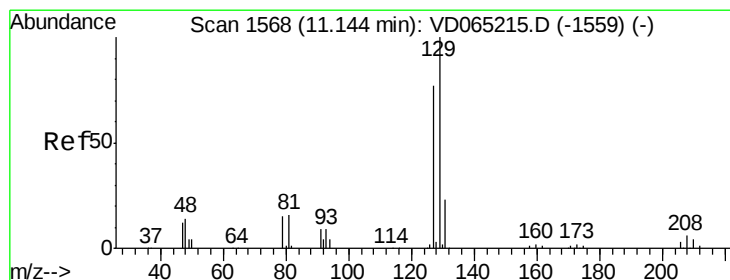
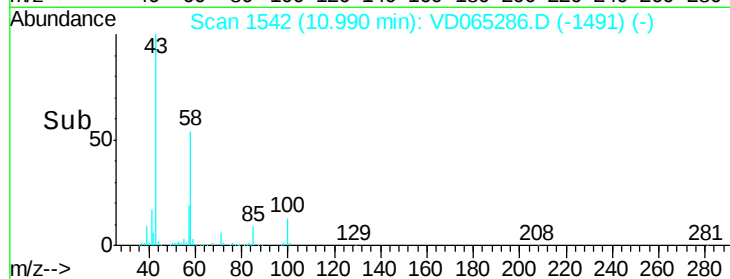
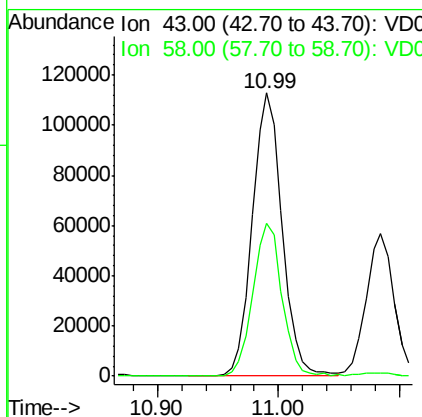
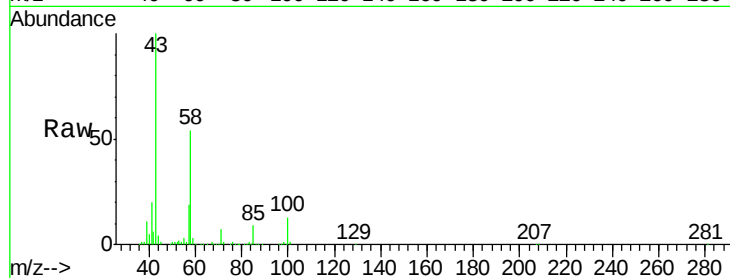
#59
2-Hexanone
Concen: 95.947 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion: 43 Resp: 193641
Ion Ratio Lower Upper
43 100
58 53.1 26.3 78.8

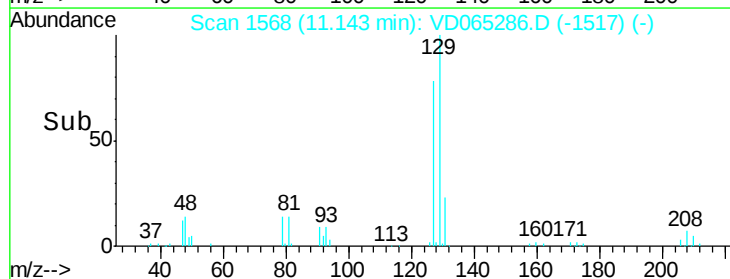
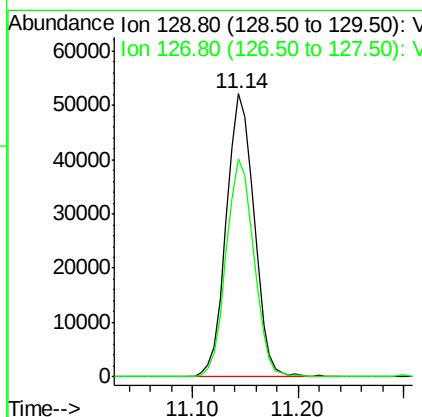
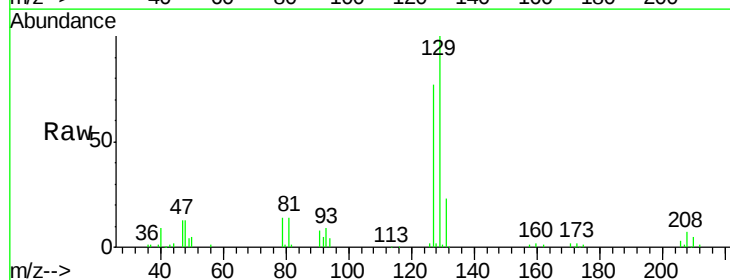
Manual Integrations
APPROVED

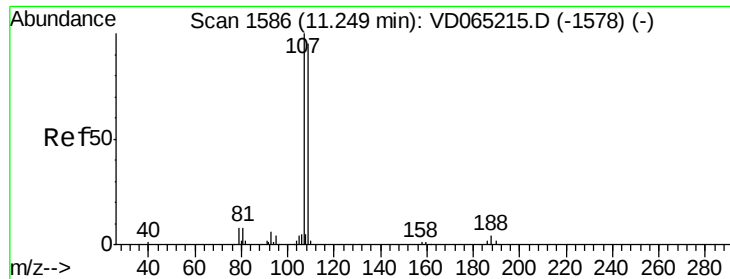
MMDadoda
2/25/2020 5:15:22 PM



#60
Dibromochloromethane
Concen: 20.004 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion: 129 Resp: 95022
Ion Ratio Lower Upper
129 100
127 77.1 38.7 116.1





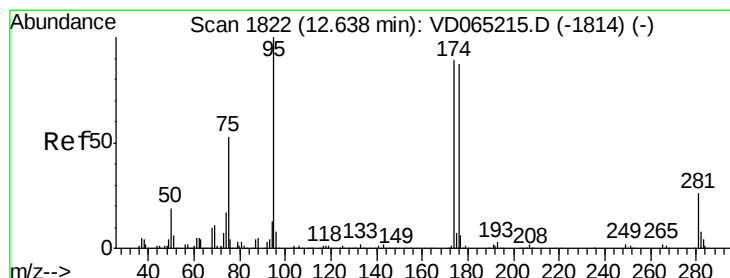
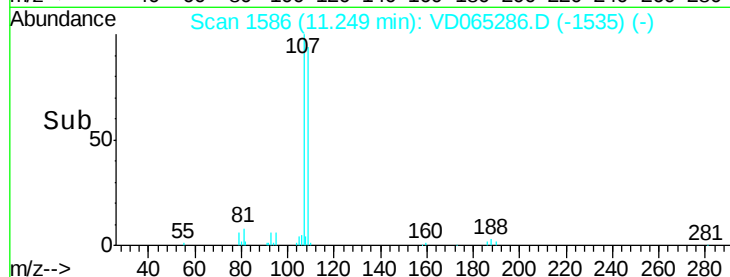
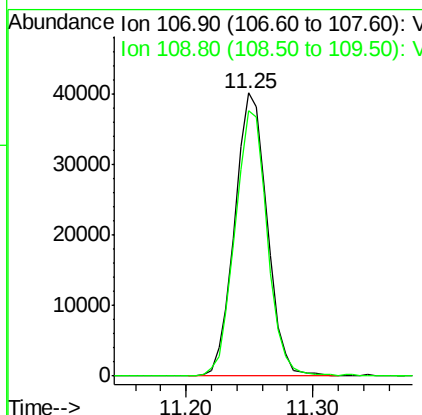
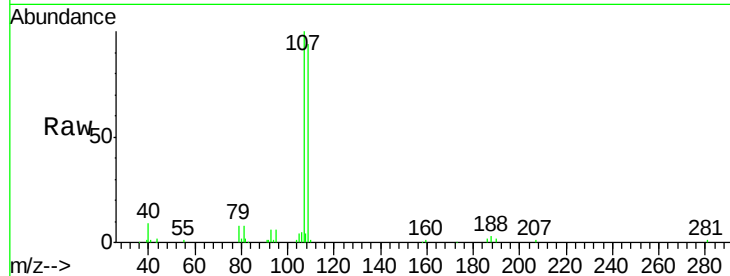
#61
 1,2-Dibromoethane
 Concen: 20.298 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0224SBS01

Tot Ion: 107 Resp: 71325
 Ion Ratio Lower Upper
 107 100
 109 93.1 76.2 114.4

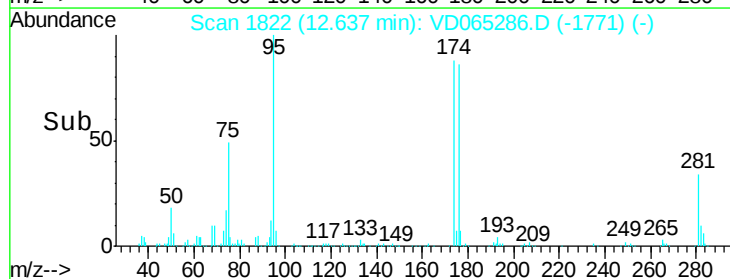
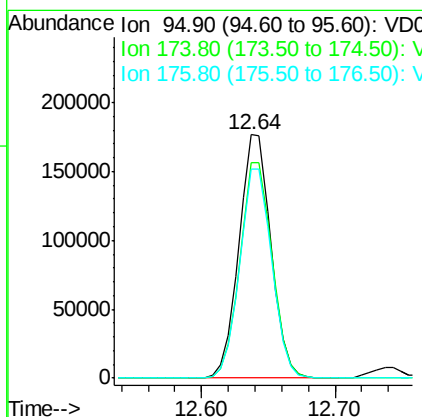
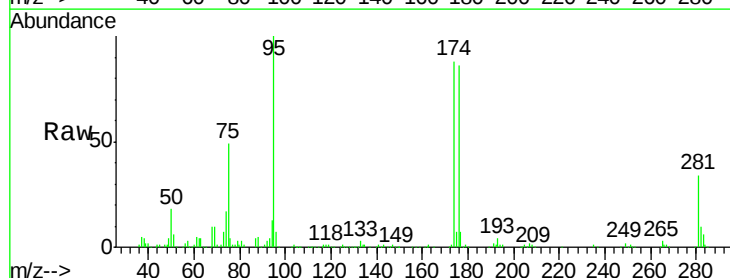
Manual Integrations
 APPROVED

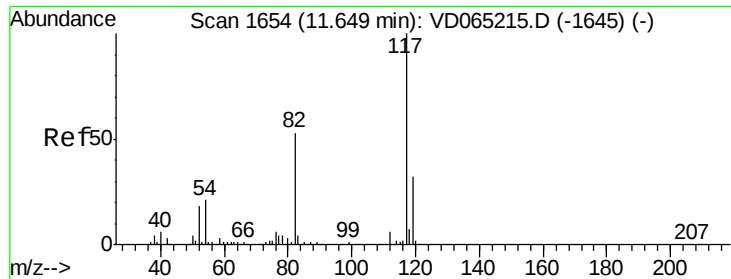
MMDadoda
 2/25/2020 5:15:22 PM



#62
 4-Bromofluorobenzene
 Concen: 52.820 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Tgt Ion: 95 Resp: 292701
 Ion Ratio Lower Upper
 95 100
 174 89.0 0.0 178.0
 176 86.1 0.0 174.4





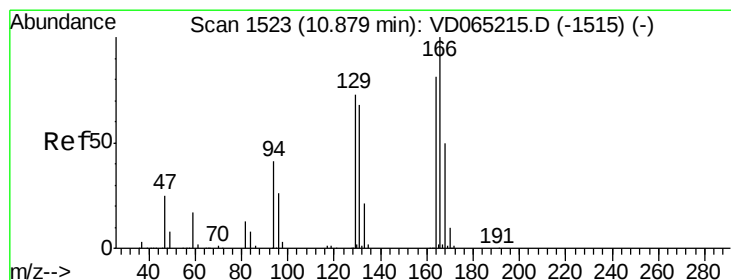
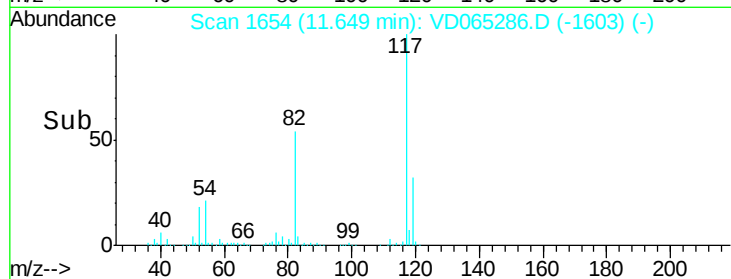
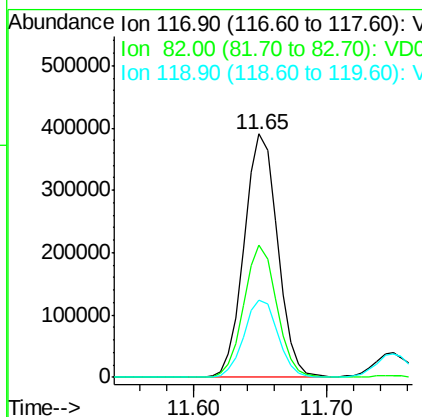
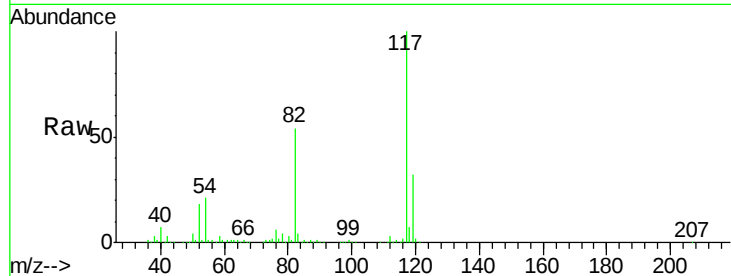
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	674800		
82	54.4		42.7	64.1
119	31.8		25.5	38.3

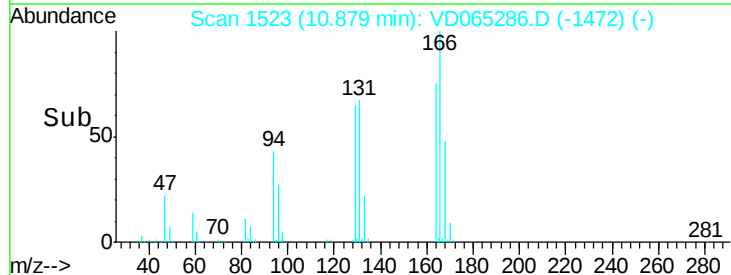
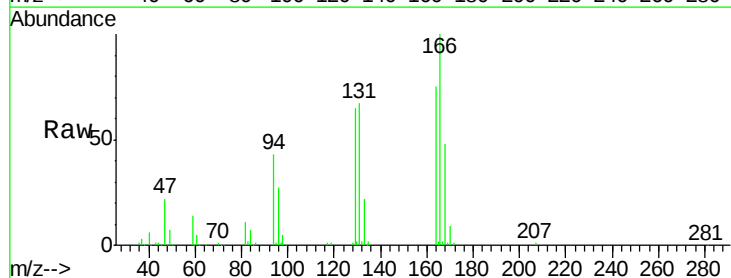
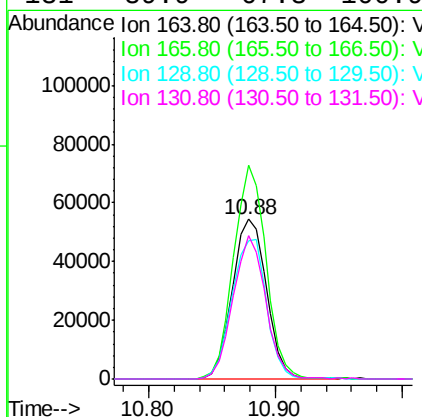
Manual Integrations
APPROVED

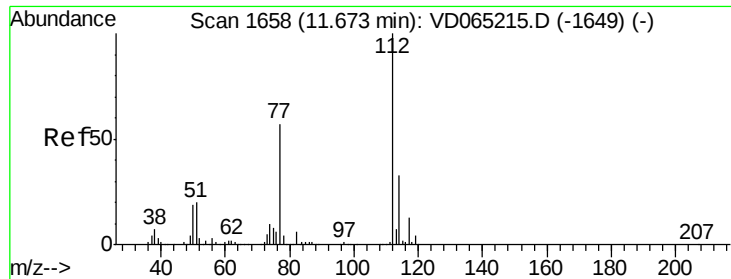
MMDadoda
2/25/2020 5:15:22 PM



#64
Tetrachloroethene
Concen: 21.306 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	101968		
166	133.6		98.4	147.6
129	86.8		71.6	107.4
131	89.9		67.3	100.9





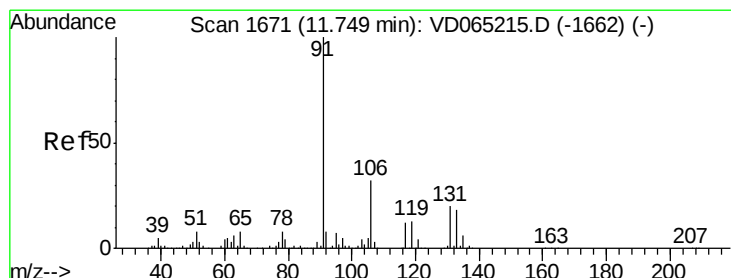
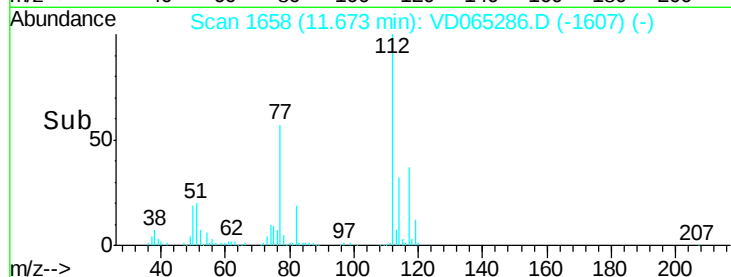
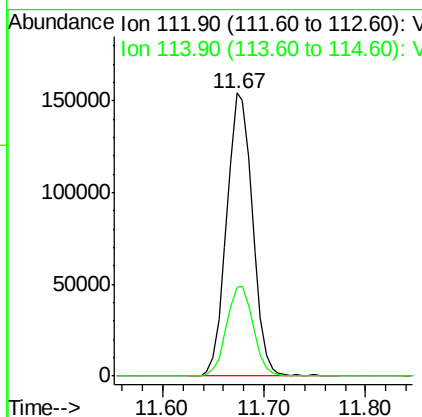
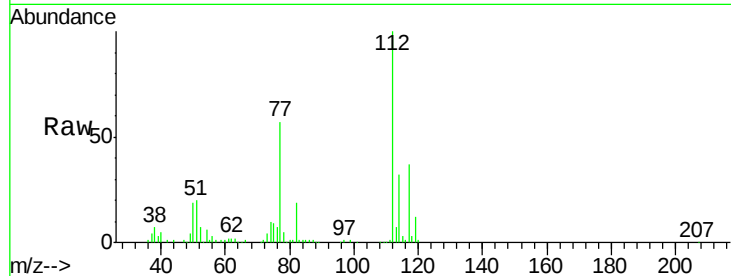
#65
Chlorobenzene
Concen: 20.244 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion:112 Resp: 274133
Ion Ratio Lower Upper
112 100
114 31.5 26.4 39.6

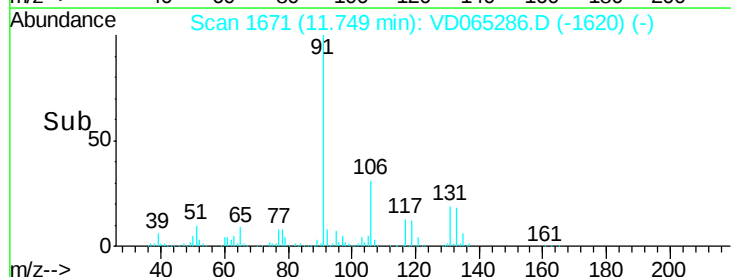
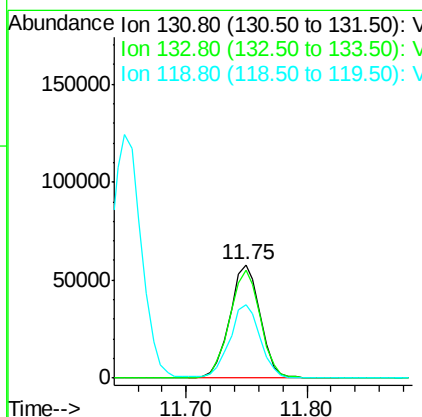
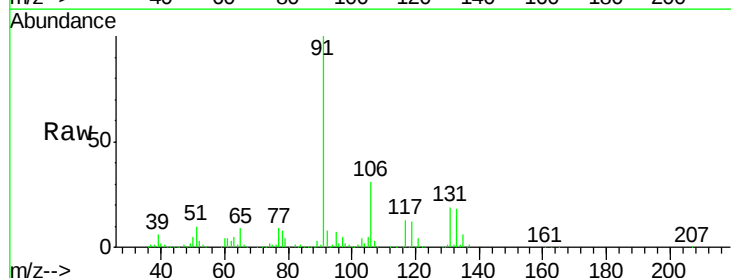
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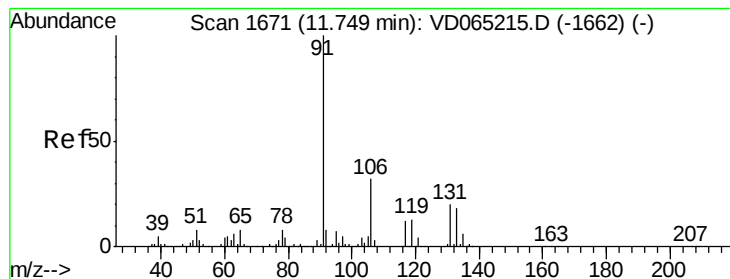
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.131 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion:131 Resp: 101727
Ion Ratio Lower Upper
131 100
133 95.6 47.7 143.1
119 65.2 32.7 98.1





#67

Ethyl Benzene

Concen: 20.370 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

ClientSampleId :

VD0224SBS01

Tot Ion: 91 Resp: 483115

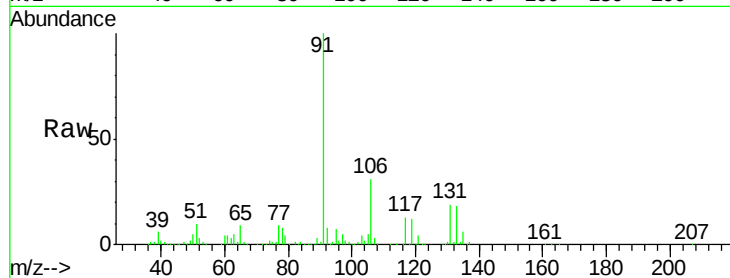
Ion Ratio Lower Upper

91 100

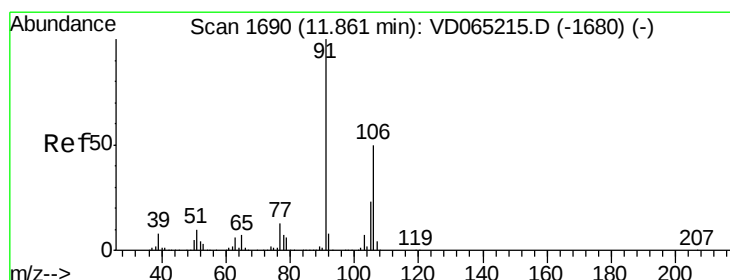
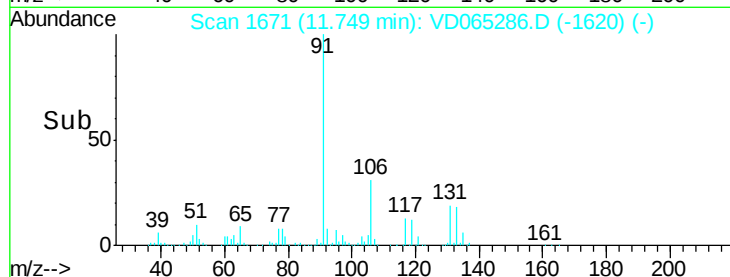
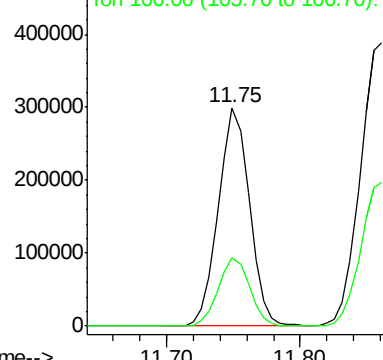
106 31.3 25.2 37.8

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



#68

m/p-Xylenes

Concen: 41.512 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065286.D

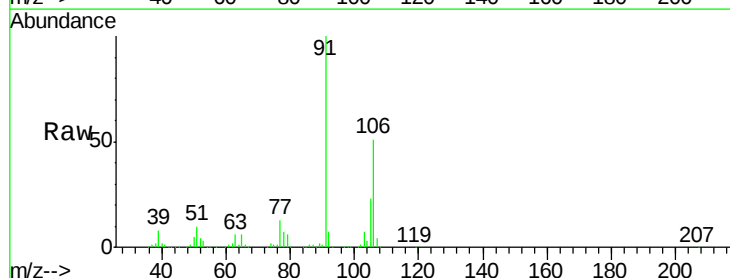
Acq: 24 Feb 2020 11:13

Tgt Ion: 106 Resp: 376668

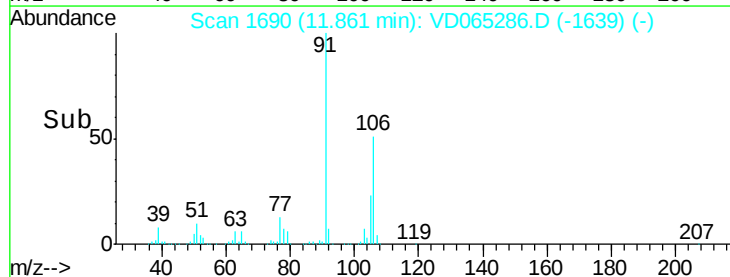
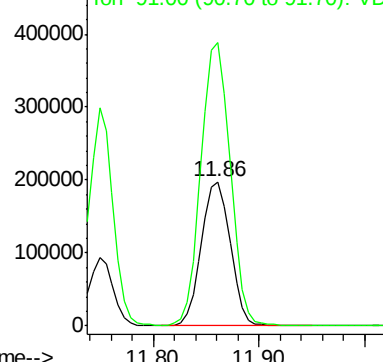
Ion Ratio Lower Upper

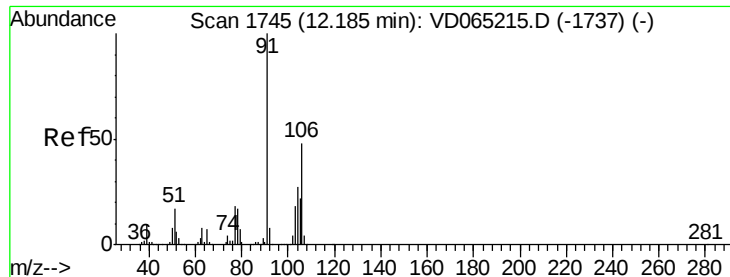
106 100

91 198.4 158.2 237.4



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





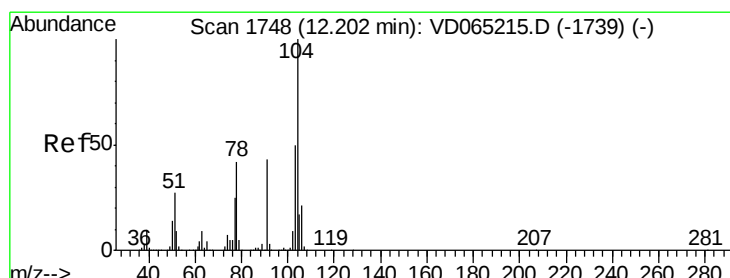
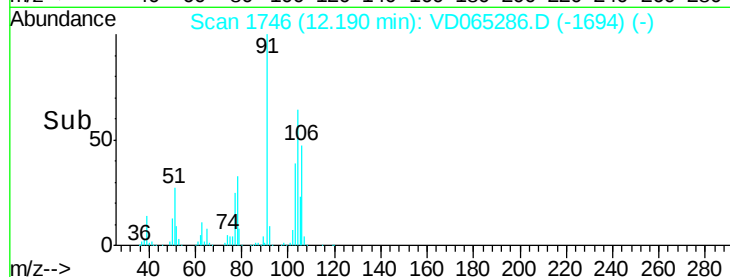
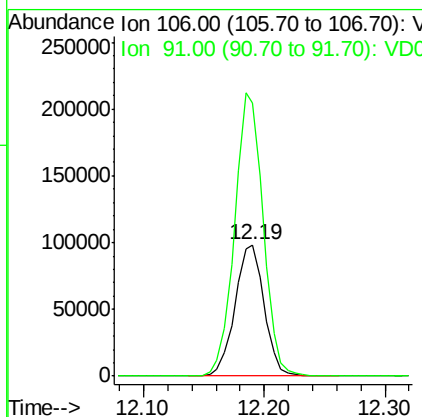
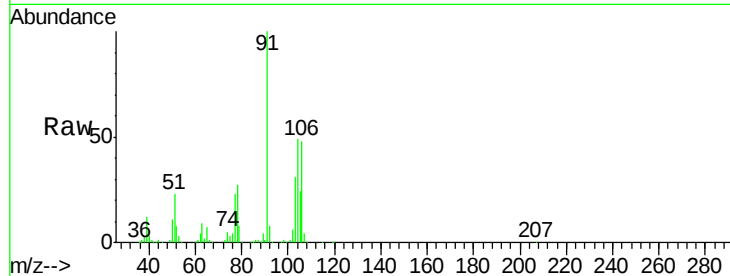
#69
o-Xylene
Concen: 20.525 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.1	104.7	313.9

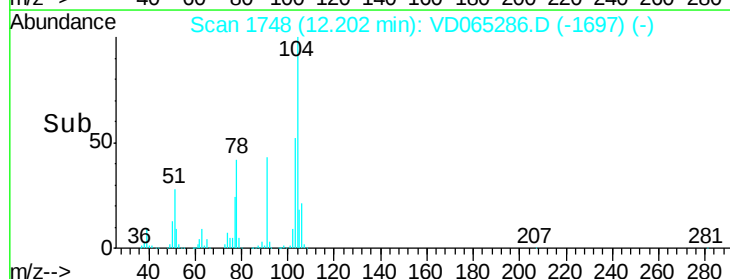
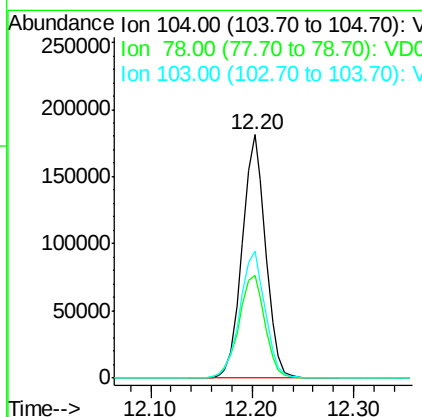
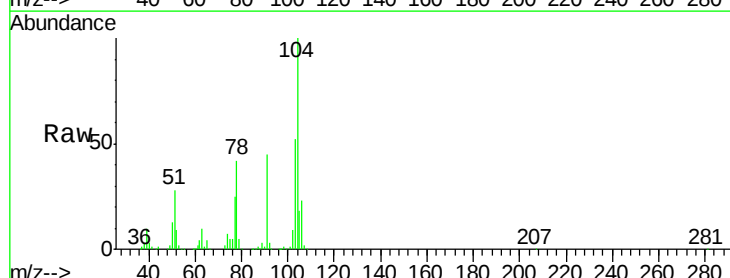
Manual Integrations
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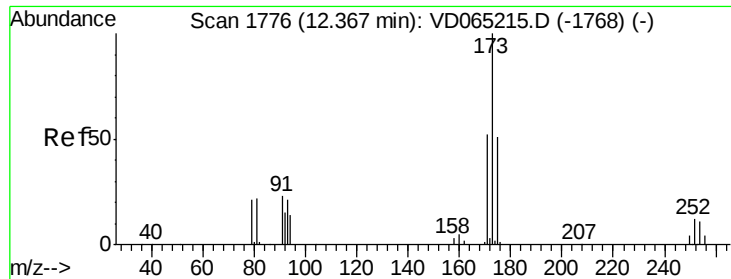
MMDadoda
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#70
Styrene
Concen: 20.351 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.3	37.8	56.6
103	56.2	43.4	65.2





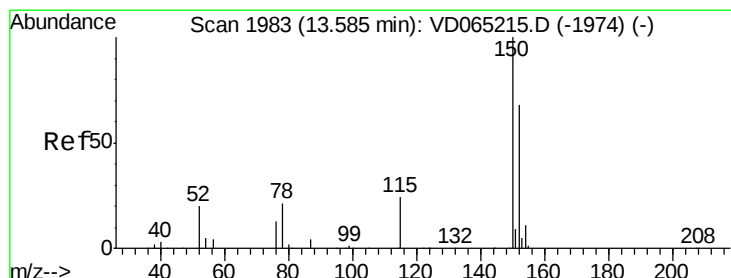
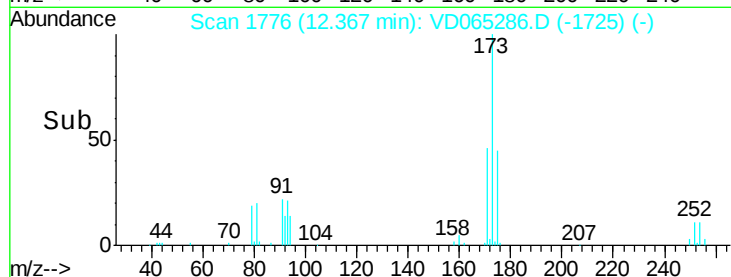
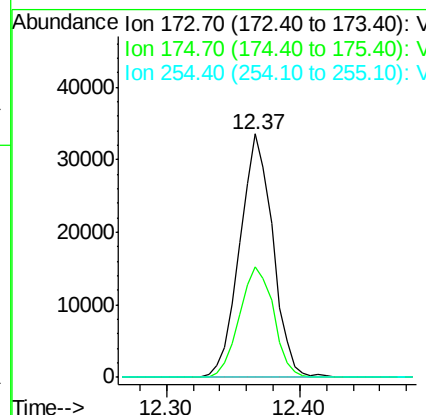
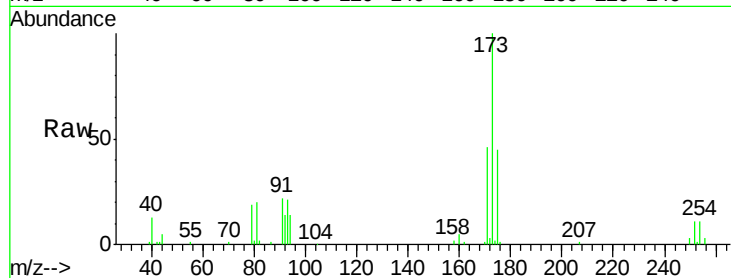
#71
Bromoform
Concen: 20.487 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	24.4	73.4
254	0.0	0.0	0.0

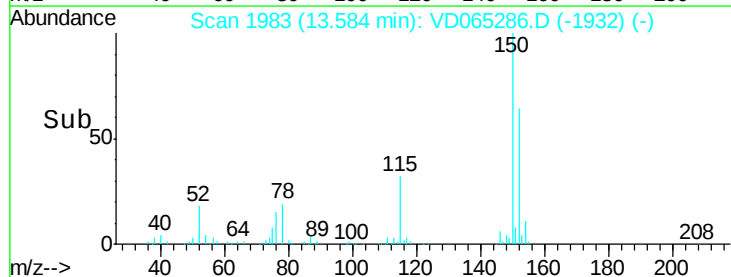
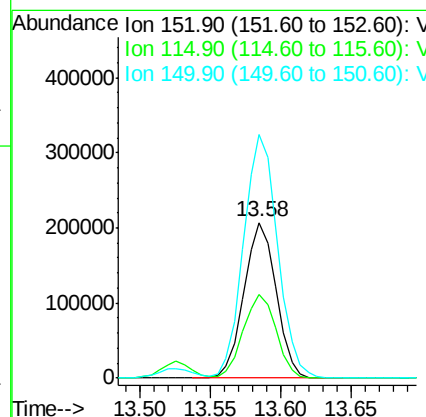
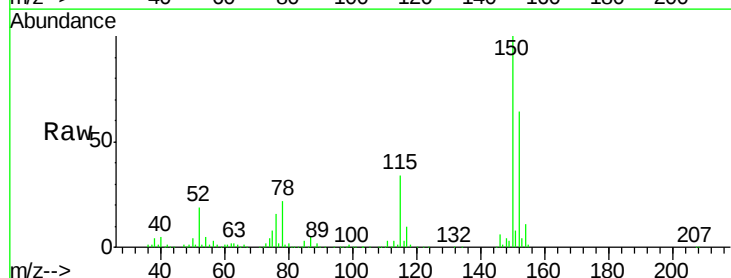
Manual Integrations
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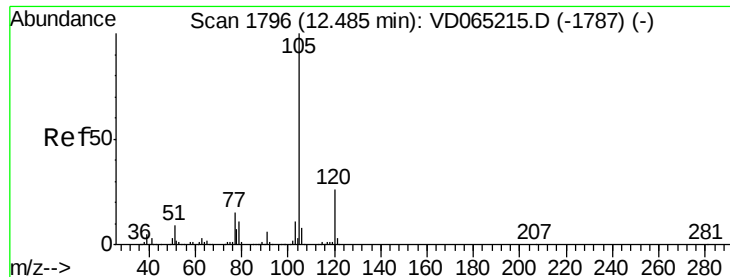
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.6	82.8
150	165.4	0.0	347.4





#73

Isopropylbenzene

Concen: 20.913 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

ClientSampleId :

VD0224SBS01

Tot Ion: 105 Resp: 459538

Ion Ratio Lower Upper

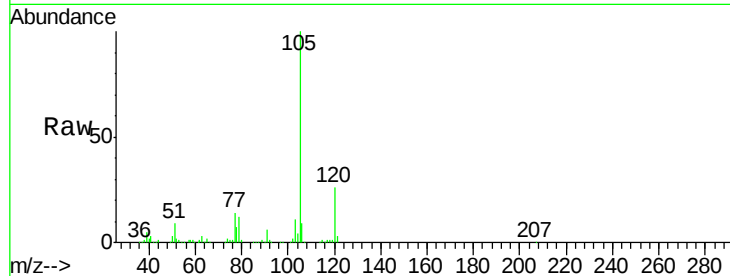
105 100

120 26.8 13.3 39.9

Manual Integrations
APPROVED

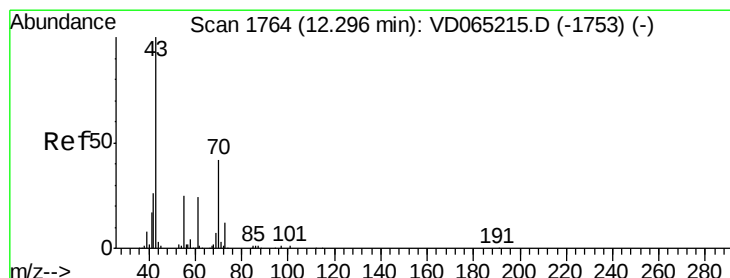
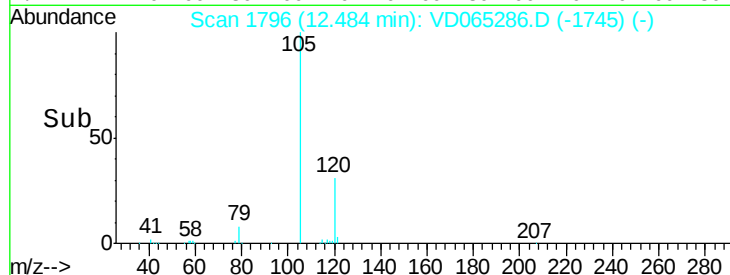
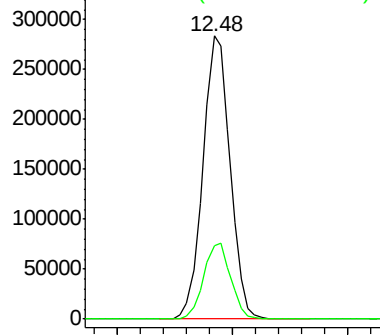
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.963 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Tgt Ion: 43 Resp: 92591

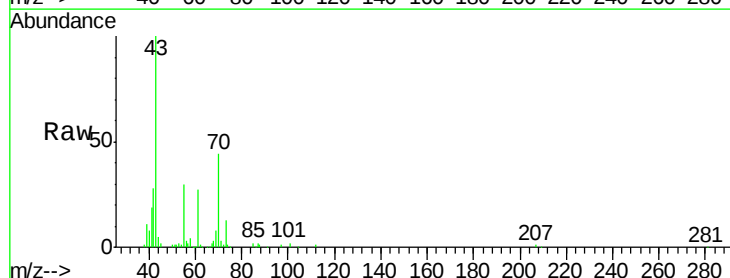
Ion Ratio Lower Upper

43 100

70 45.3 33.7 50.5

55 29.3 20.7 31.1

61 24.4 19.0 28.4

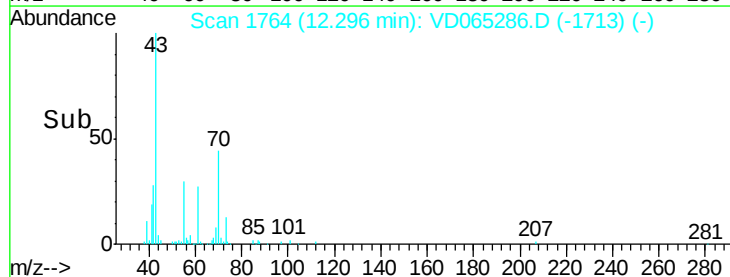
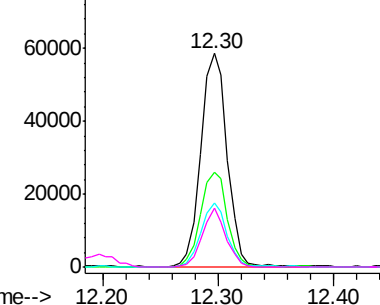


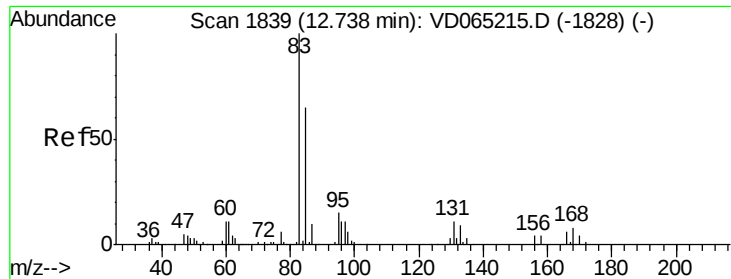
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.446 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

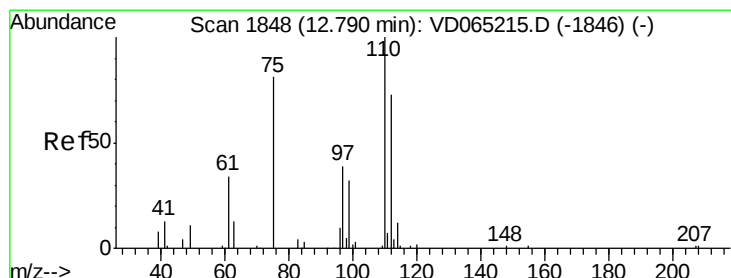
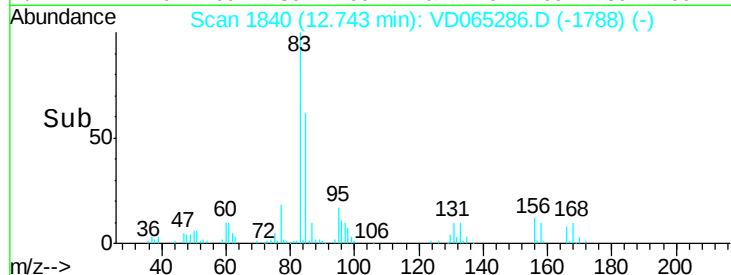
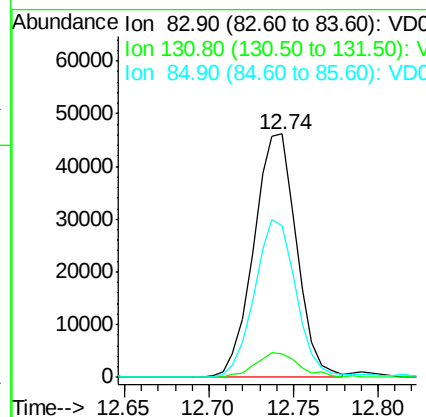
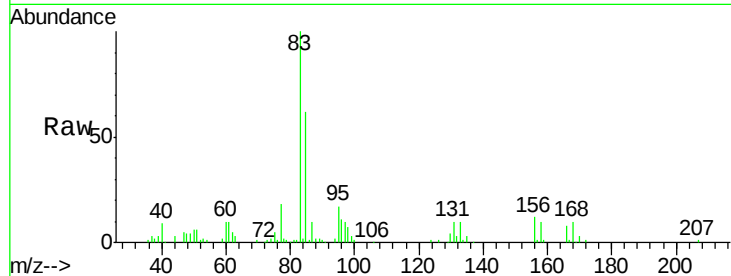
ClientSampleId :

VD0224SBS01

Tot Ion:	83	Resp:	81087
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.4	16.2
85	62.9	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.086 ug/l m

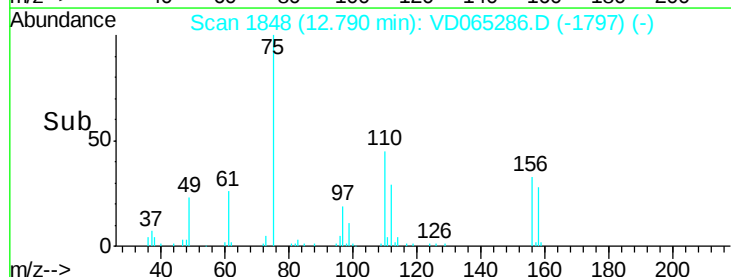
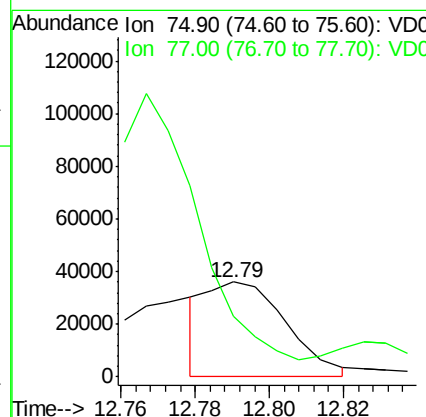
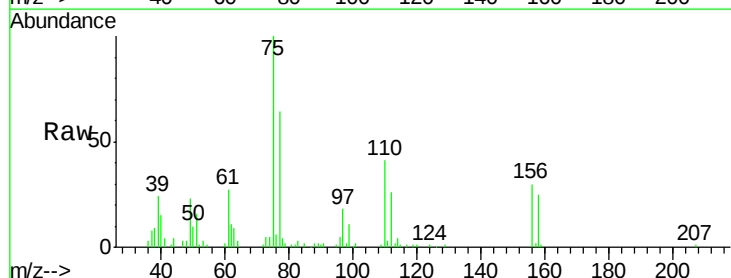
RT: 12.79 min Scan# 1848

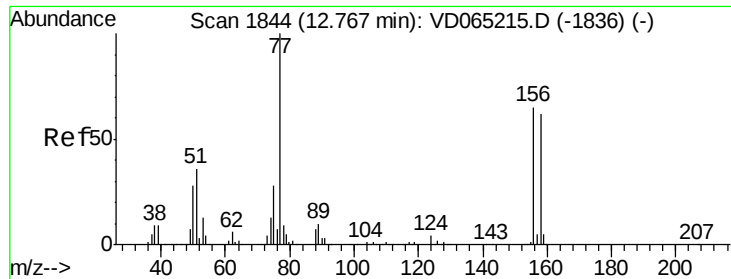
Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Tgt Ion:	75	Resp:	53899
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.437 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

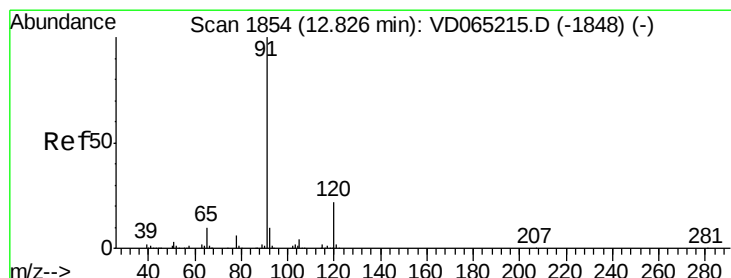
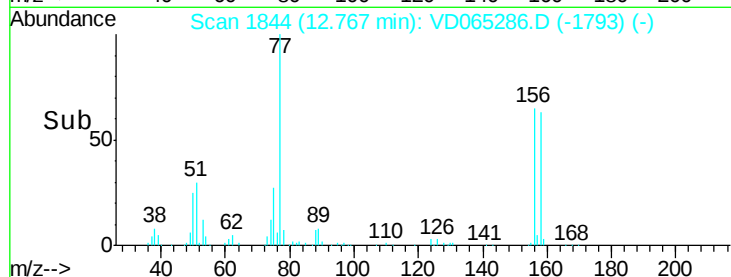
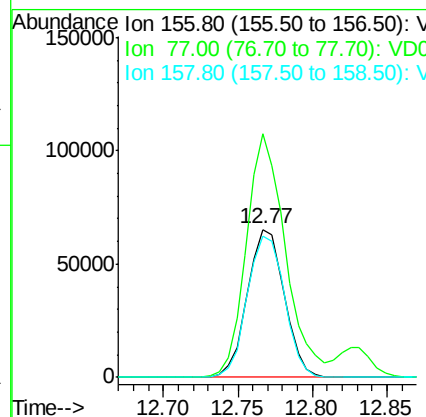
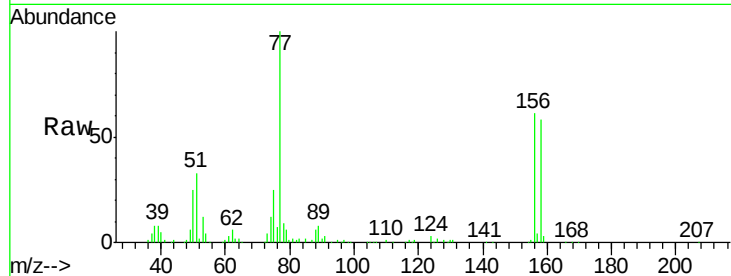
ClientSampleId :

VD0224SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	174.4	86.6	259.7
158	97.1	48.1	144.3

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#78

n-propylbenzene

Concen: 20.940 ug/l

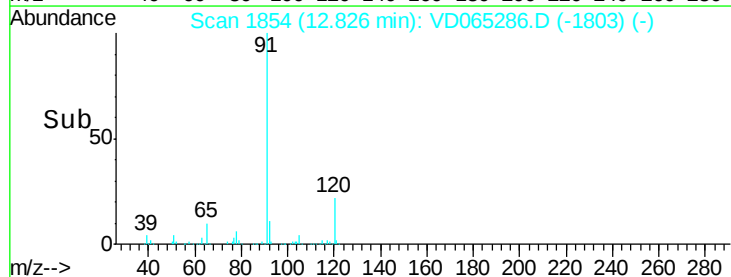
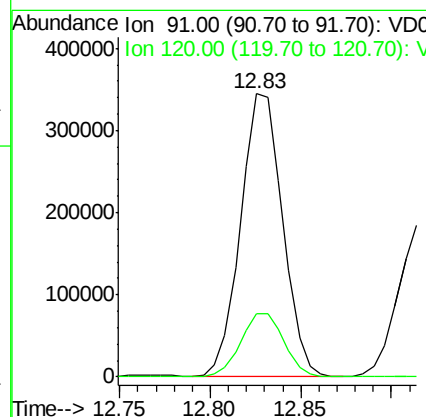
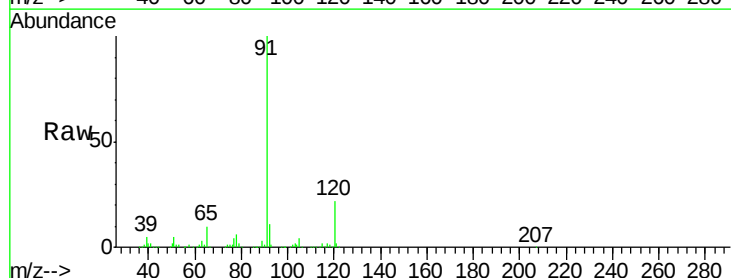
RT: 12.83 min Scan# 1854

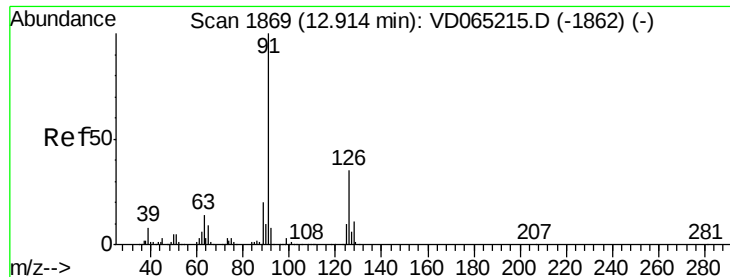
Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.5	34.5





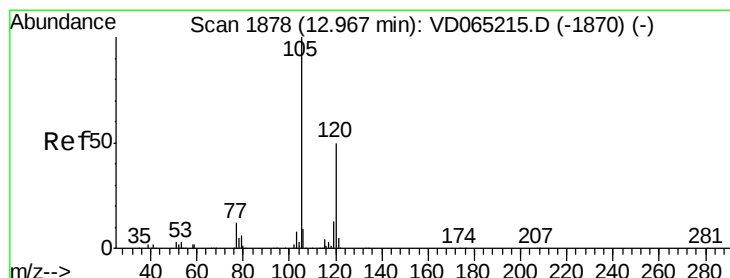
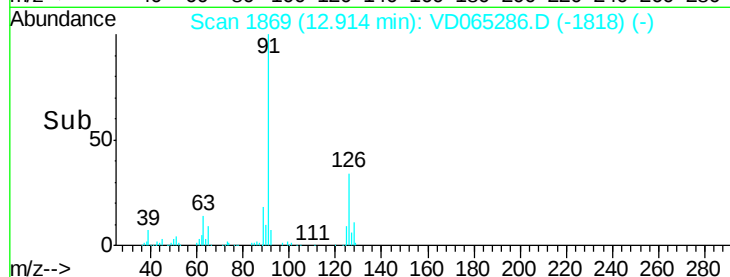
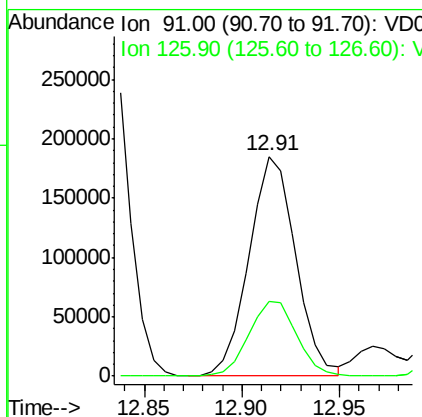
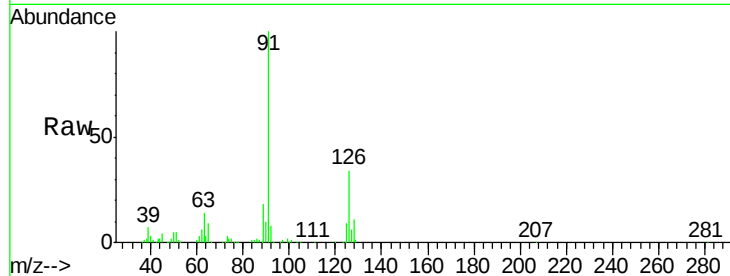
#79
 2-Chlorotoluene
 Concen: 20.680 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0224SBS01

Tot Ion: 91 Resp: 305923
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.5 52.6

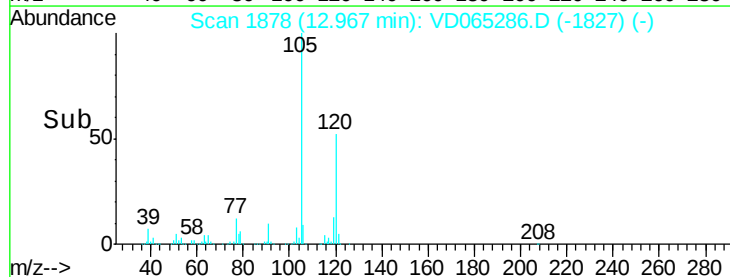
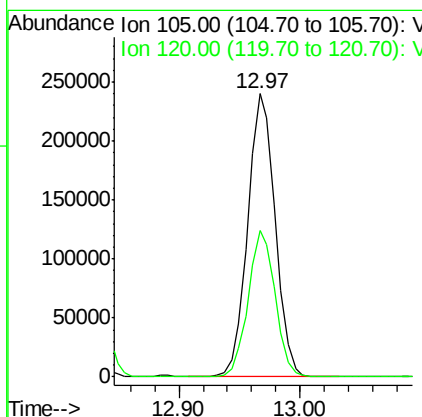
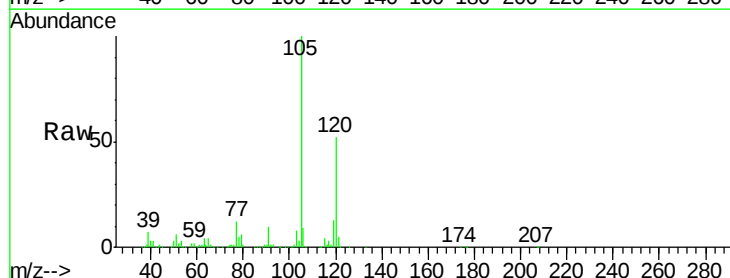
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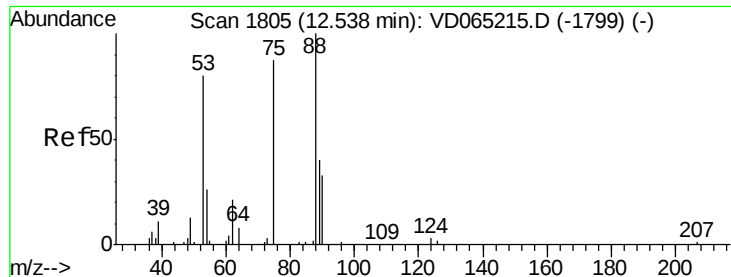
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.991 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Tgt Ion: 105 Resp: 379914
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.673 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

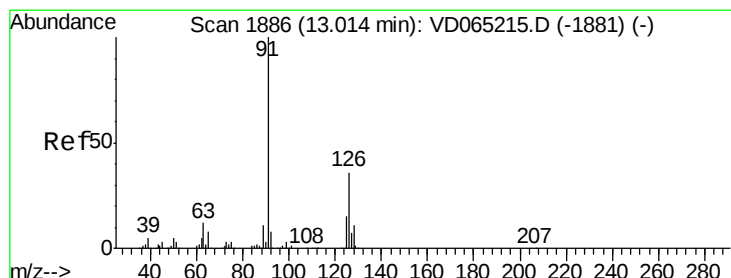
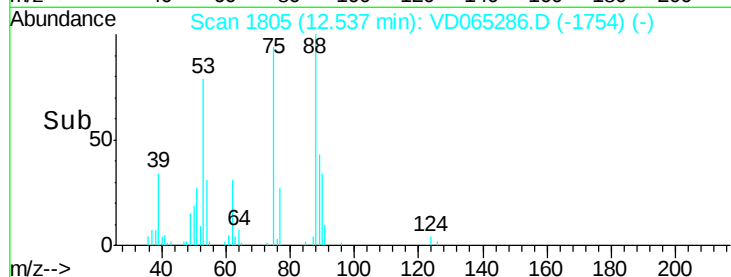
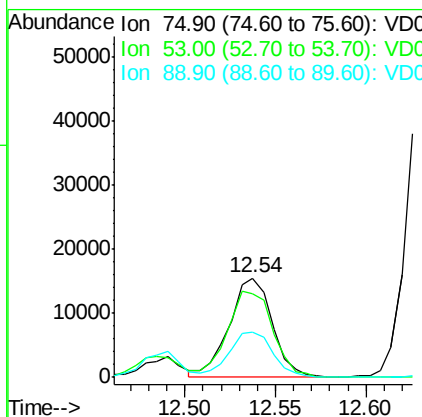
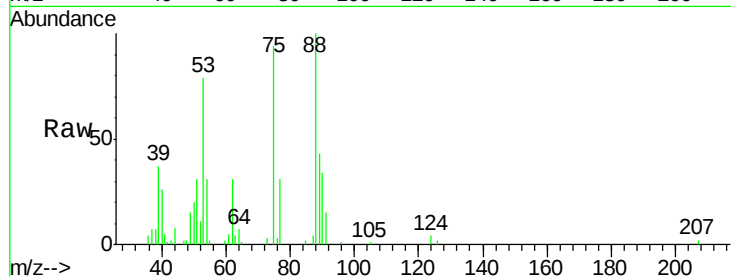
ClientSampleId :

VD0224SBS01

Tot Ion:	75	Resp:	25731
Ion	Ratio	Lower	Upper
75	100		
53	91.7	77.6	116.4
89	45.9	37.2	55.8

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#82

4-Chlorotoluene

Concen: 20.591 ug/l

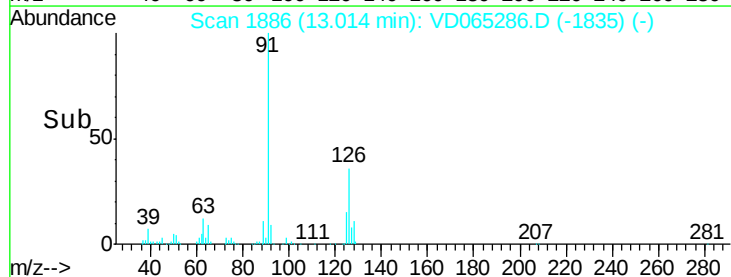
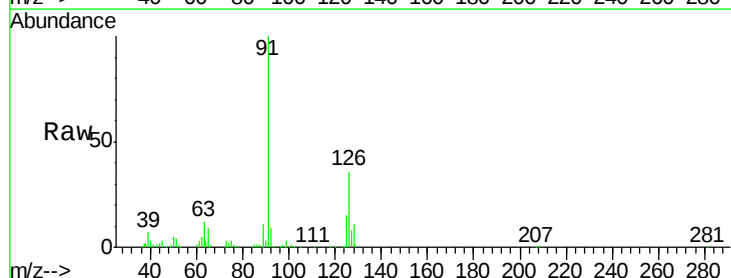
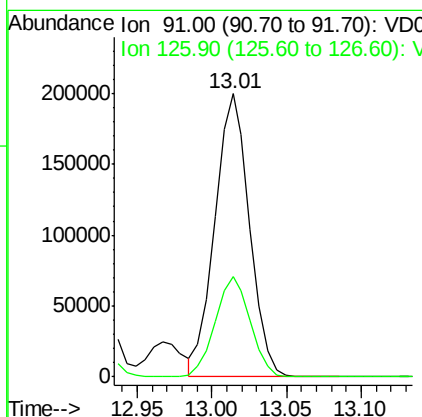
RT: 13.01 min Scan# 1886

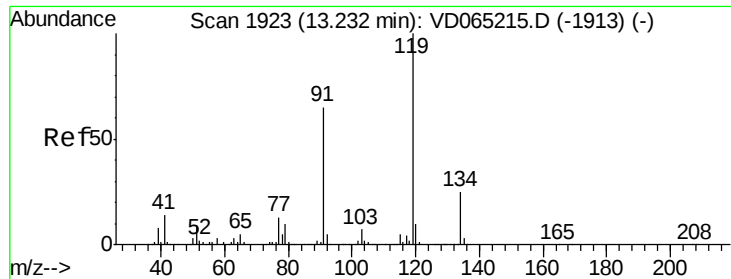
Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Tgt Ion:	91	Resp:	323381
Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.4	52.3





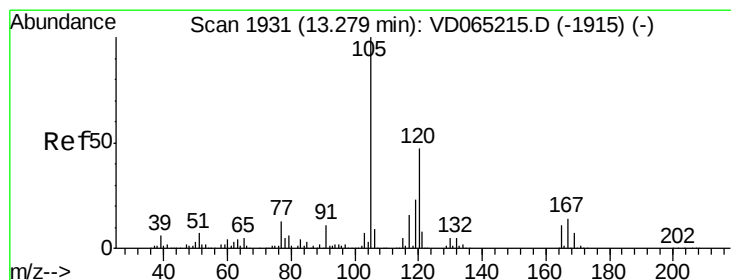
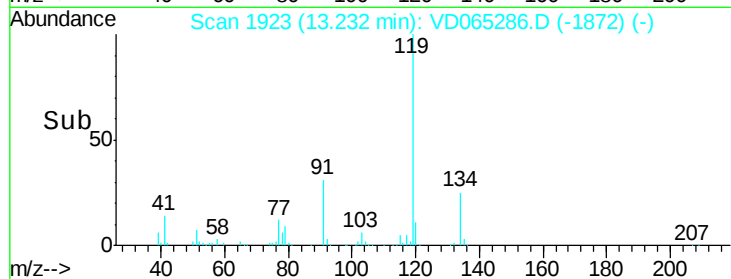
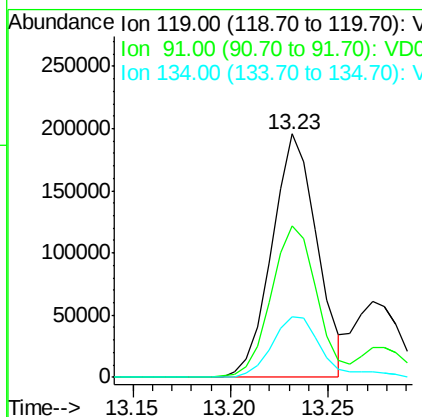
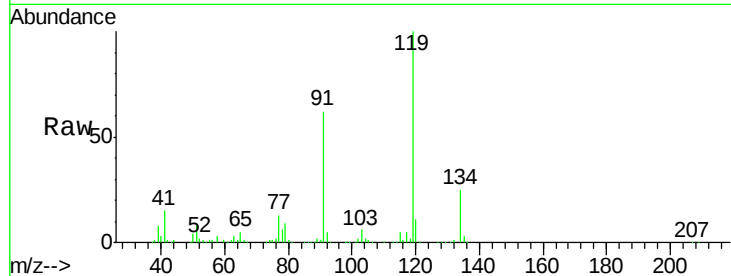
#83
tert-Butylbenzene
Concen: 20.657 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.4	31.9	95.5
134	27.8	13.8	41.3

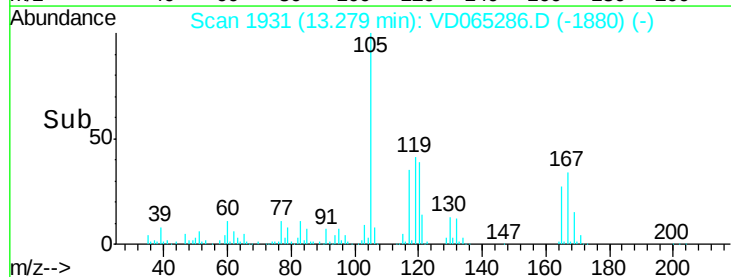
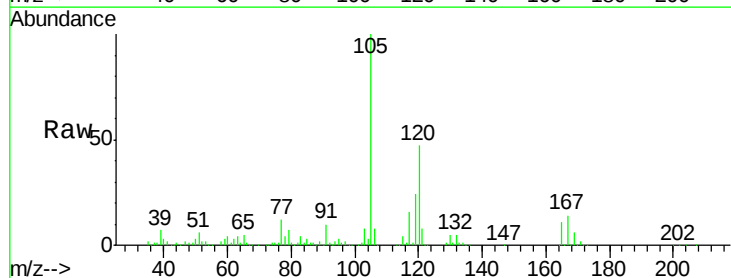
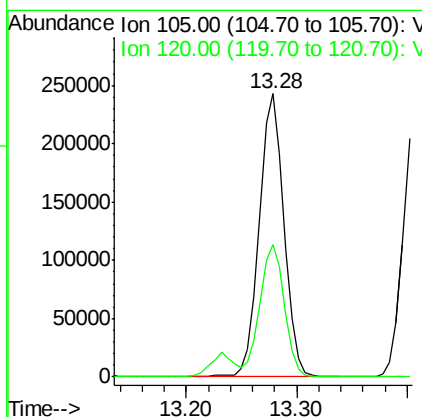
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#84
1,2,4-Trimethylbenzene
Concen: 21.123 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.3	69.9





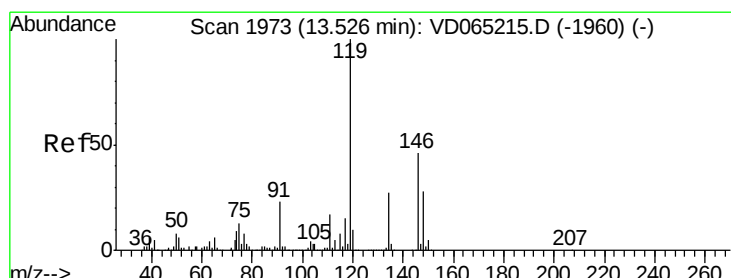
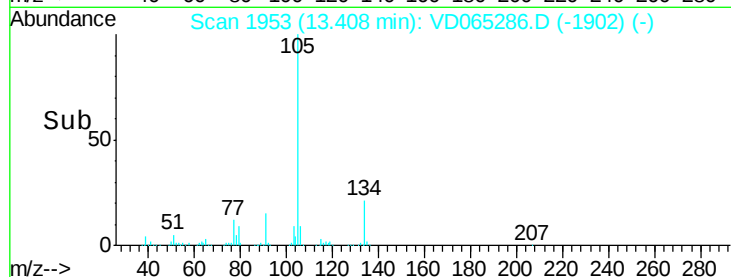
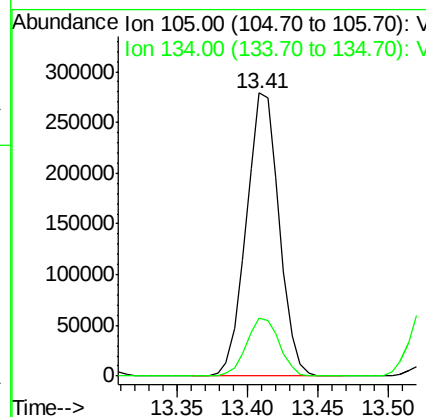
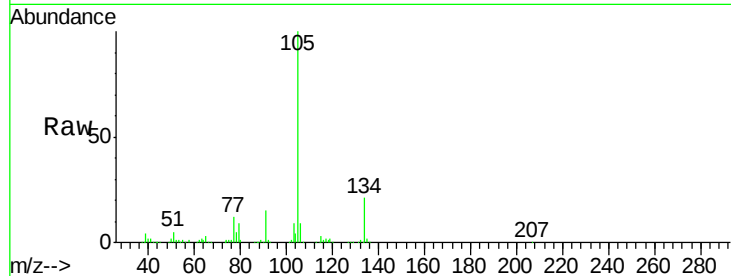
#85
 sec-Butylbenzene
 Concen: 20.792 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0224SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.3	30.9

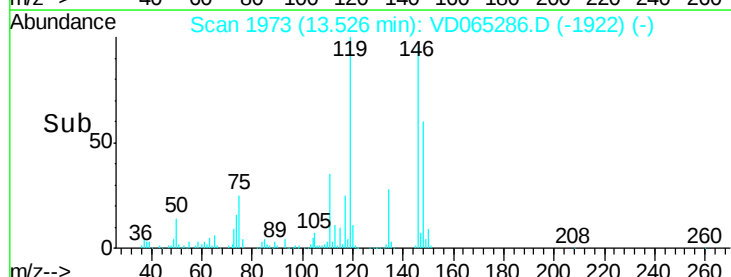
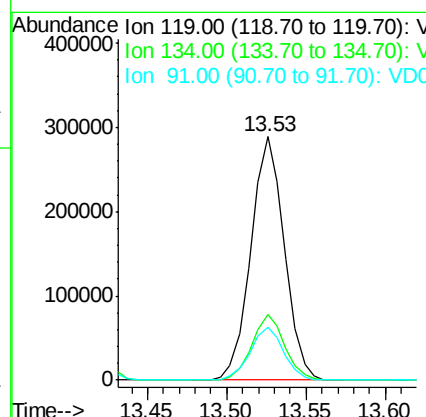
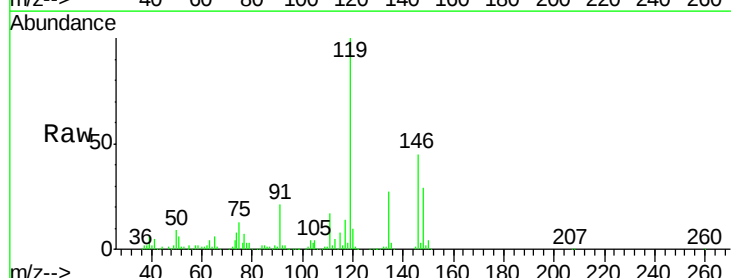
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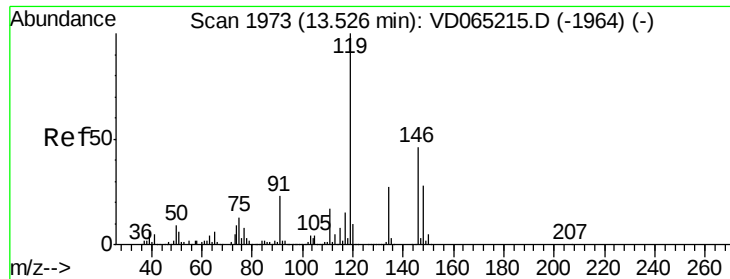
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#86
 p-Isopropyltoluene
 Concen: 21.203 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.3	39.8
91	21.8	11.1	33.1





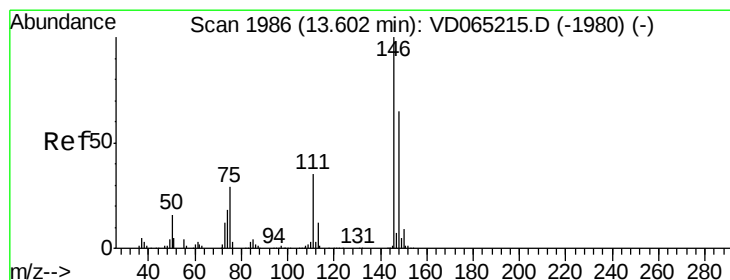
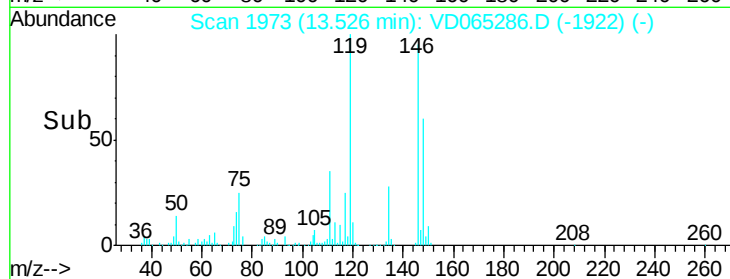
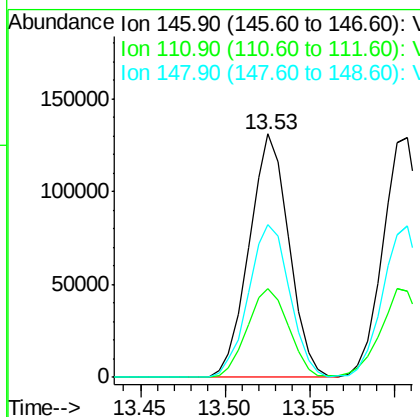
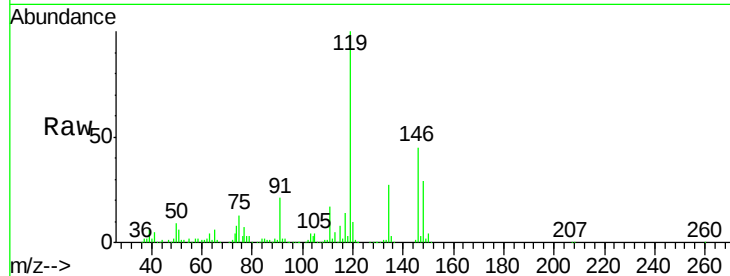
#87
 1,3-Dichlorobenzene
 Concen: 20.308 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	214228		
111	37.9	18.6	55.8	
148	64.9	31.4	94.3	

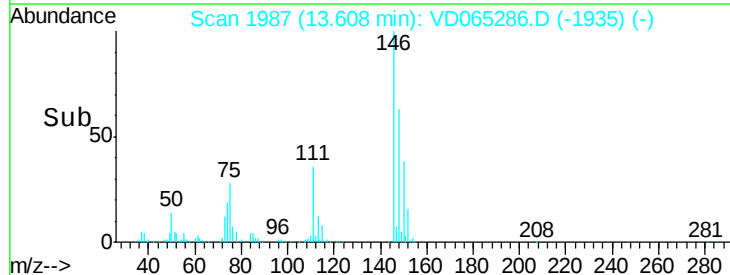
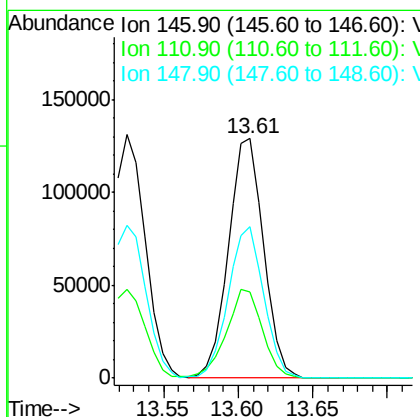
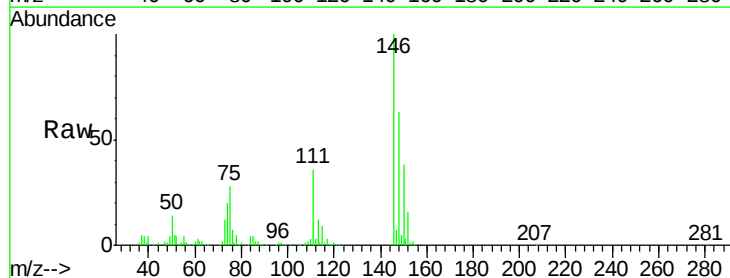
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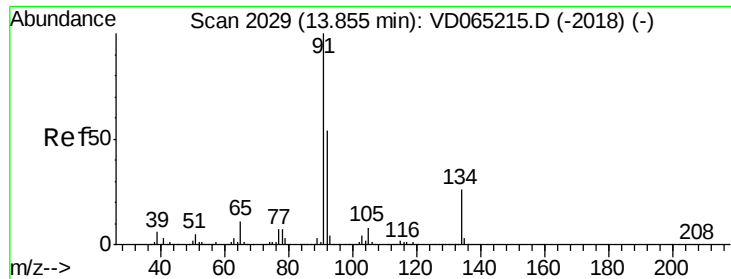
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#88
 1,4-Dichlorobenzene
 Concen: 20.462 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	213036		
111	38.1	18.4	55.2	
148	63.5	32.1	96.5	





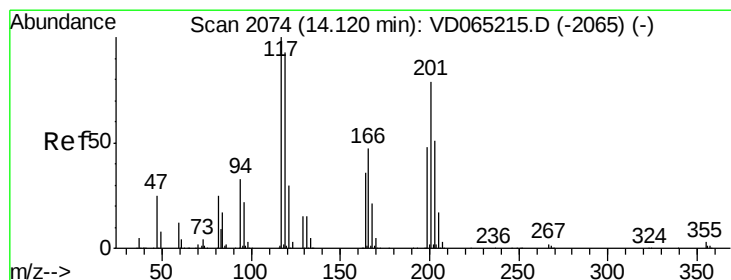
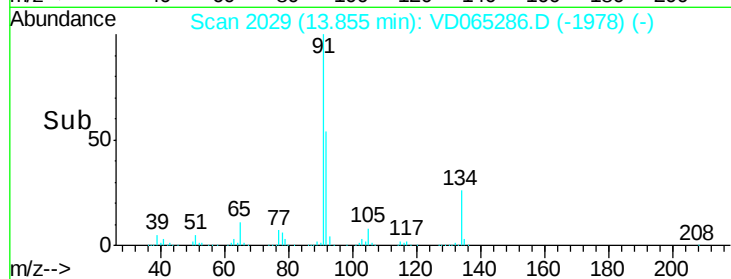
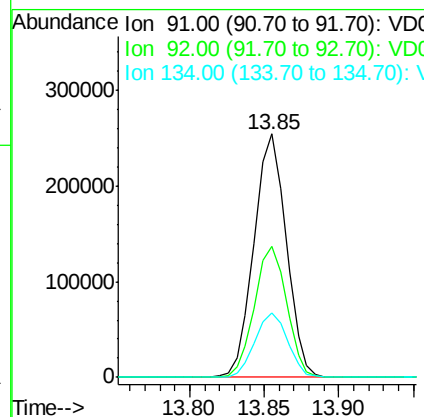
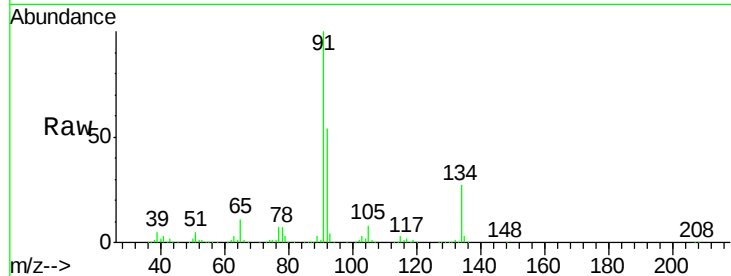
#89
n-Butylbenzene
Concen: 20.697 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.9	27.0	80.8	
134	26.9	13.5	40.4	

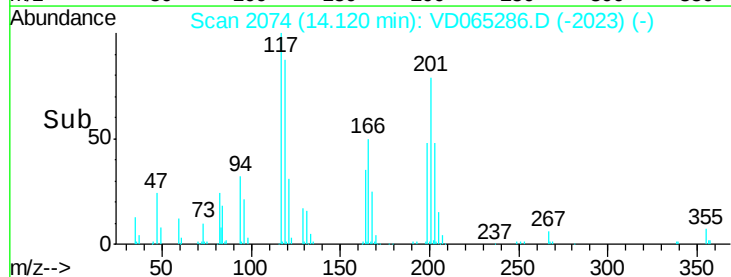
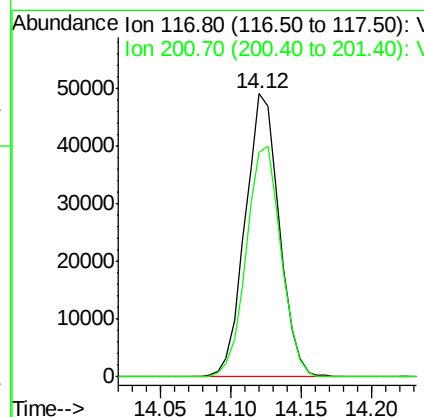
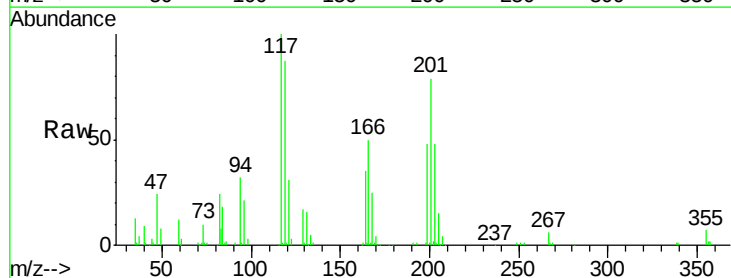
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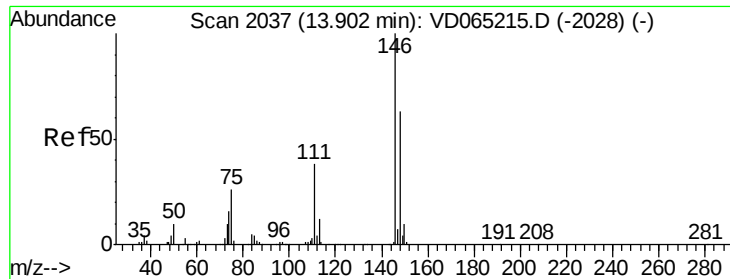
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#90
Hexachloroethane
Concen: 20.434 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	82.8	41.3	124.1	





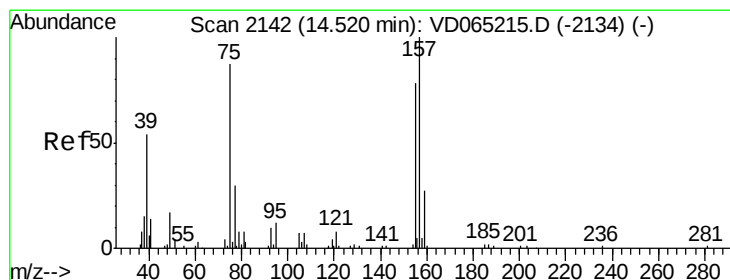
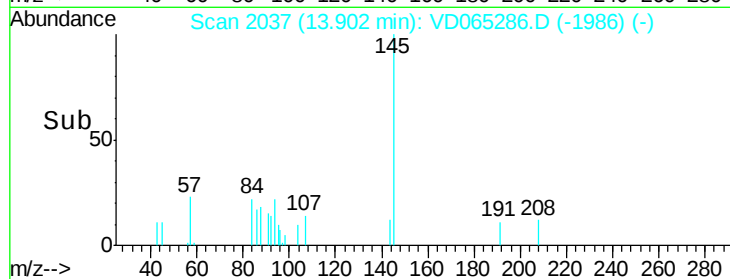
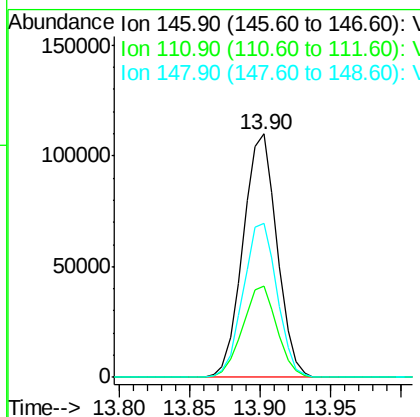
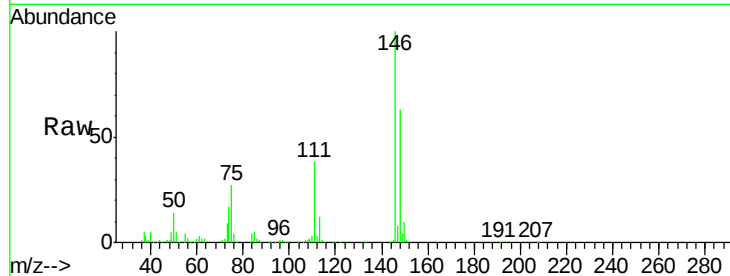
#91
 1,2-Dichlorobenzene
 Concen: 20.442 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	185158		
111	38.1	19.7	59.0	
148	63.6	32.0	96.2	

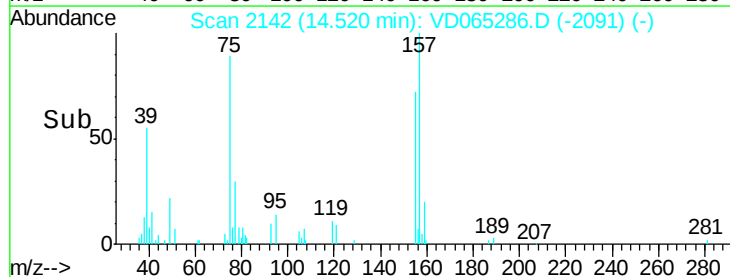
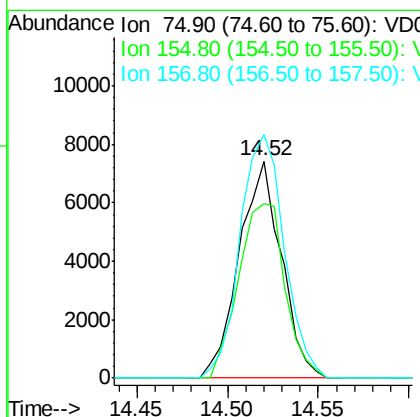
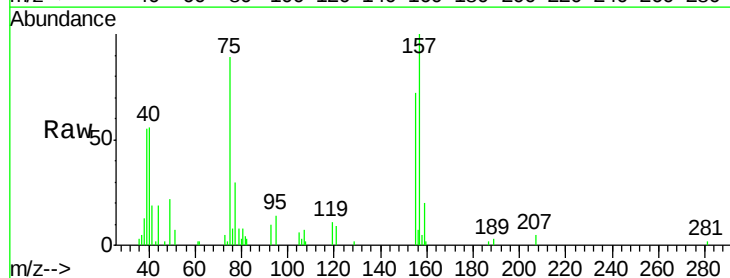
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.677 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	12026		
155	88.7	42.3	126.9	
157	117.7	56.7	170.1	





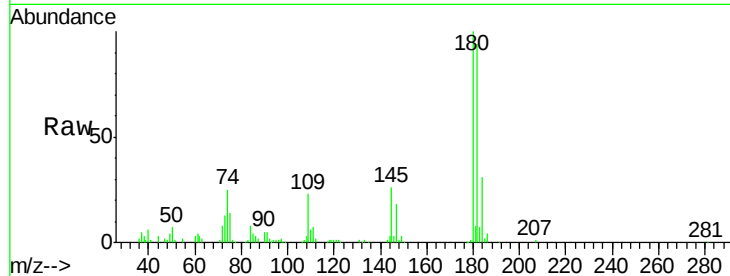
#93
 1,2,4-Trichlorobenzene
 Concen: 20.793 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0224SBS01

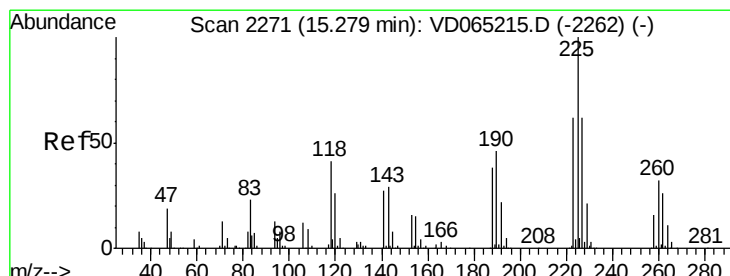
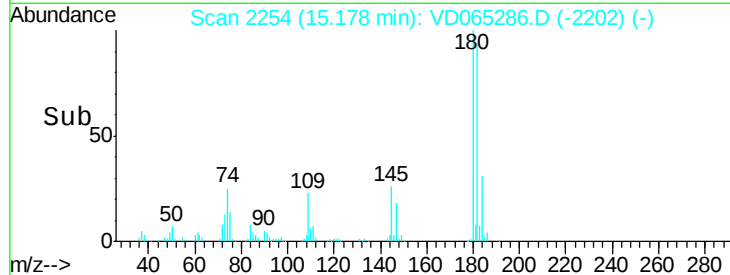
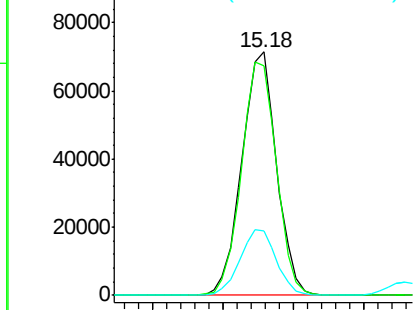
Tot Ion:	180	Resp:	123193
Ion Ratio	Lower	Upper	
180	100		
182	96.4	46.9	140.6
145	28.0	13.9	41.7

Manual Integrations
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MMDadoda
 2/25/2020 5:15:22 PM

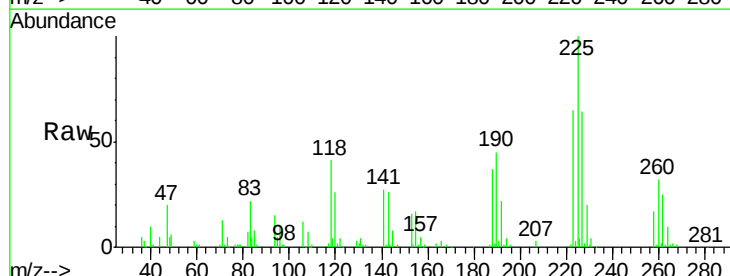


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

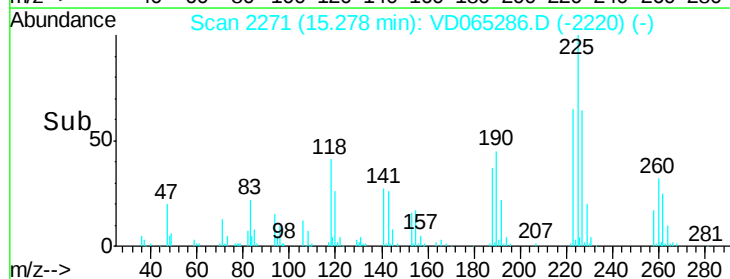
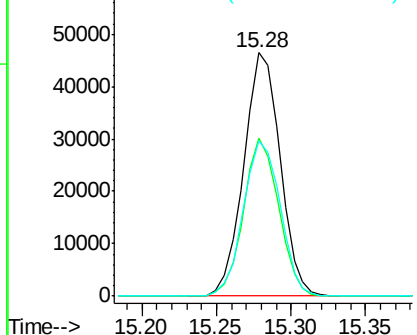


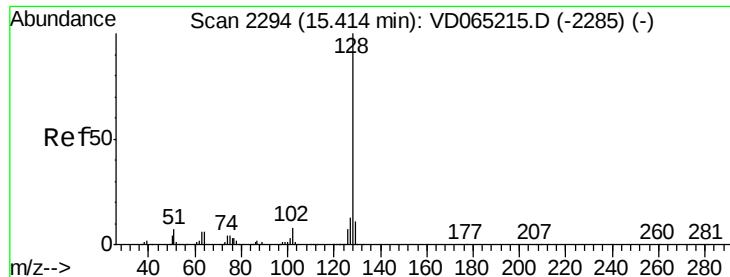
#94
 Hexachlorobutadiene
 Concen: 20.628 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Tgt Ion:	225	Resp:	78397
Ion Ratio	Lower	Upper	
225	100		
223	62.7	31.4	94.2
227	64.6	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





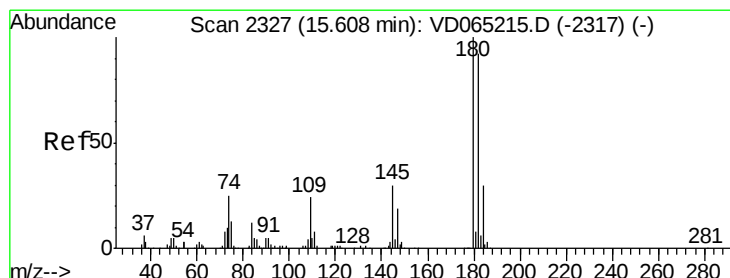
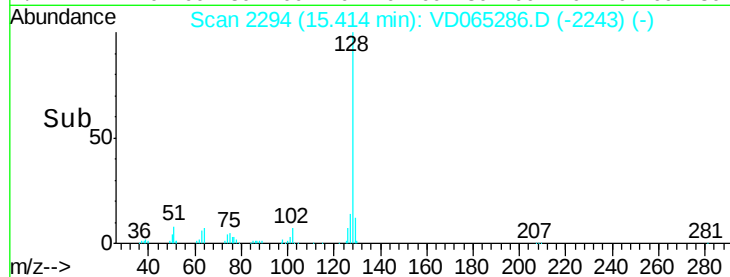
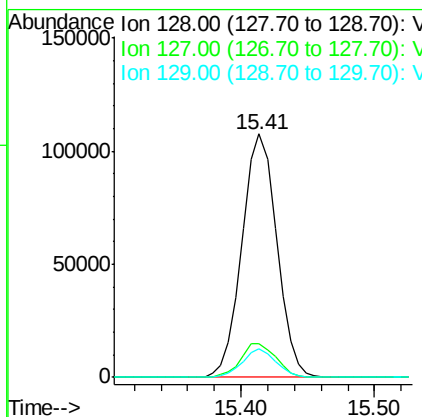
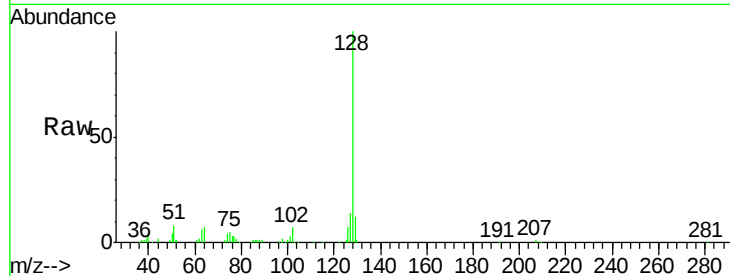
#95
Naphthalene
Concen: 20.197 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Instrument :
MSVOA_D
ClientSampleId :
VD0224SBS01

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	14.0	10.3	15.5
129	11.2	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.296 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	98.8	46.9	140.6
145	31.5	15.4	46.1

