

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021920\
 Data File : VD065234.D
 Acq On : 19 Feb 2020 13:01
 Operator : VA/SY
 Sample : VD0219SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0219SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 5:25:39 PM

Quant Time: Feb 20 04:21:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	489670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	724806	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	655322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	321395	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	215020	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
35) Dibromofluoromethane	7.92	113	219635	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
50) Toluene-d8	10.34	98	871957	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.64	95	273227	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	68844	16.762	ug/l	96
3) Chloromethane	2.21	50	96982	18.552	ug/l	97
4) Vinyl Chloride	2.35	62	94655	17.807	ug/l	100
5) Bromomethane	2.76	94	56702	17.642	ug/l	89
6) Chloroethane	2.92	64	58204	17.938	ug/l	93
7) Trichlorofluoromethane	3.27	101	141760	18.627	ug/l	98
8) Diethyl Ether	3.70	74	40791	17.757	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.08	101	89747	18.674	ug/l	99
10) Methyl Iodide	4.29	142	78750	15.781	ug/l	99
11) Tert butyl alcohol	5.25	59	21261	80.769	ug/l	100
12) 1,1-Dichloroethene	4.05	96	81968	18.055	ug/l	98
13) Acrolein	3.93	56	43150	118.428	ug/l	96
14) Allyl chloride	4.71	41	133529	18.112	ug/l	100
15) Acrylonitrile	5.43	53	92120	90.575	ug/l	97
16) Acetone	4.16	43	91766	85.219	ug/l	95
17) Carbon Disulfide	4.40	76	278898	18.323	ug/l	99
18) Methyl Acetate	4.73	43	44916	18.546	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	169026	17.853	ug/l	99
20) Methylene Chloride	4.96	84	102517	18.480	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	96364	18.671	ug/l	97
22) Diisopropyl ether	6.37	45	270183	19.010	ug/l	97
23) Vinyl Acetate	6.31	43	709781	90.588	ug/l	98
24) 1,1-Dichloroethane	6.27	63	164785	18.693	ug/l	100
25) 2-Butanone	7.22	43	116185	85.278	ug/l	97
26) 2,2-Dichloropropane	7.21	77	144294	18.865	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	99179	18.142	ug/l	98
28) Bromochloromethane	7.55	49	59220	18.107	ug/l	95
29) Tetrahydrofuran	7.57	42	72930	91.360	ug/l	99
30) Chloroform	7.71	83	167936	18.909	ug/l	99
31) Cyclohexane	7.98	56	156635	18.084	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	151793	19.102	ug/l	98
36) 1,1-Dichloropropene	8.11	75	135447	19.206	ug/l	99
37) Ethyl Acetate	7.30	43	52214	17.710	ug/l	97
38) Carbon Tetrachloride	8.10	117	137131	19.101	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	151816	18.311	ug/l	97
40) Benzene	8.35	78	379117	19.045	ug/l	96
41) Methacrylonitrile	7.53	41	25071	14.728	ug/l #	93
42) 1,2-Dichloroethane	8.43	62	103618	18.934	ug/l	99
43) Isopropyl Acetate	8.46	43	99778	18.611	ug/l	99
44) Trichloroethene	9.11	130	102463	18.569	ug/l	96
45) 1,2-Dichloropropane	9.39	63	92700	18.728	ug/l	98
46) Dibromomethane	9.48	93	48259	18.949	ug/l	97
47) Bromodichloromethane	9.67	83	125513	18.701	ug/l	96
48) Methyl methacrylate	9.46	41	45689	18.437	ug/l	95
49) 1,4-Dioxane	9.47	88	10874	364.046	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	250597	92.028	ug/l	98
52) Toluene	10.41	92	239401	19.430	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	114318	18.376	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	139661	18.591	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	67523	18.837	ug/l	97
56) Ethyl methacrylate	10.67	69	74869	18.096	ug/l	99
57) 1,3-Dichloropropane	10.95	76	114909	18.835	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	118561	90.892	ug/l	100
59) 2-Hexanone	10.99	43	176926	90.765	ug/l	99
60) Dibromochloromethane	11.14	129	86555	18.865	ug/l	99
61) 1,2-Dibromoethane	11.25	107	64675	19.056	ug/l	98
64) Tetrachloroethene	10.88	164	87232	18.769	ug/l	97
65) Chlorobenzene	11.67	112	249009	18.935	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	93087	18.968	ug/l	99
67) Ethyl Benzene	11.75	91	437120	18.979	ug/l	99
68) m/p-Xylenes	11.86	106	339743	38.555	ug/l	99
69) o-Xylene	12.18	106	148623	19.037	ug/l	100
70) Styrene	12.20	104	264846	19.108	ug/l	100
71) Bromoform	12.37	173	49152	18.050	ug/l #	98
73) Isopropylbenzene	12.48	105	406000	19.081	ug/l	99
74) N-amyl acetate	12.30	43	86386	18.271	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	70770	18.429	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	47943m	17.532	ug/l	
77) Bromobenzene	12.77	156	102130	19.329	ug/l	99
78) n-propylbenzene	12.83	91	497696	19.464	ug/l	100
79) 2-Chlorotoluene	12.91	91	274925	19.193	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	338365	19.308	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	22534	17.793	ug/l	100
82) 4-Chlorotoluene	13.01	91	291939	19.197	ug/l	99
83) tert-Butylbenzene	13.23	119	279554	19.033	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	342173	19.507	ug/l	99
85) sec-Butylbenzene	13.41	105	407857	19.270	ug/l	99
86) p-Isopropyltoluene	13.53	119	371588	19.198	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	193877	18.981	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	189588	18.806	ug/l	99
89) n-Butylbenzene	13.86	91	338892	19.001	ug/l	99
90) Hexachloroethane	14.12	117	75432	19.194	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	165270	18.844	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11054	18.679	ug/l	99

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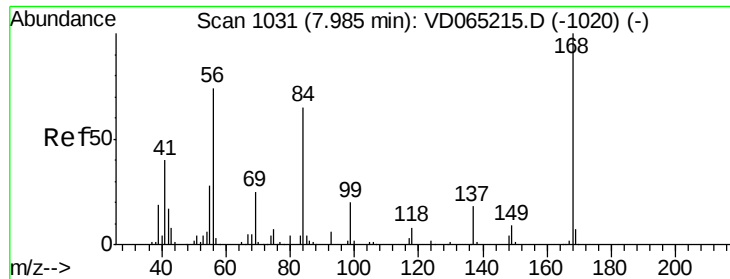
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	108790	18.963	ug/l	97
94) Hexachlorobutadiene	15.28	225	70692	19.209	ug/l	99
95) Naphthalene	15.41	128	165766	17.774	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	94510	18.863	ug/l	98

(#) = 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: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD0219SBS01

Tot Ion:168 Resp: 489670

Ion Ratio Lower Upper

168 100

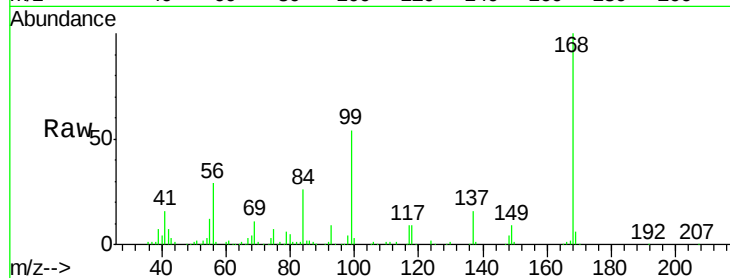
99 54.4 41.4 62.2

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

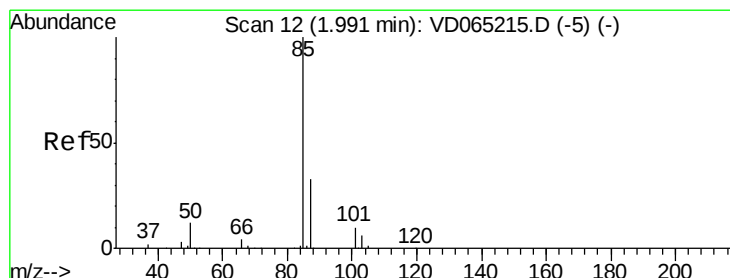
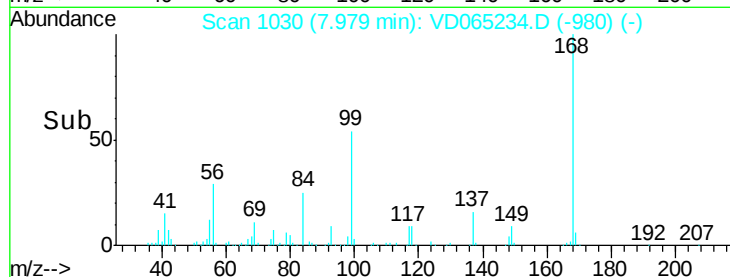
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.762 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065234.D

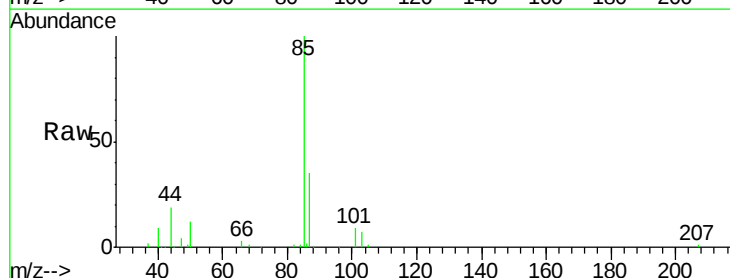
Acq: 19 Feb 2020 13:01

Tgt Ion: 85 Resp: 68844

Ion Ratio Lower Upper

85 100

87 35.0 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

50000

40000

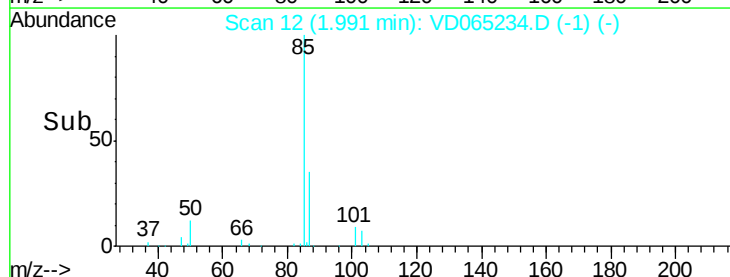
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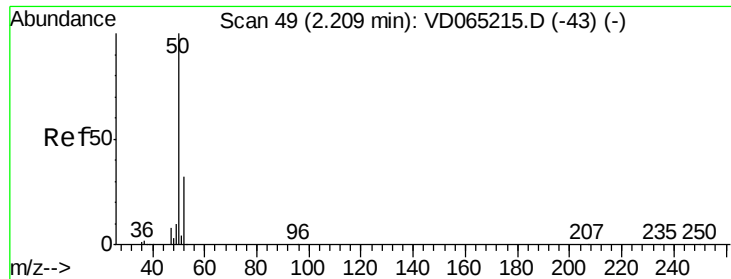
20000

10000

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Time-->





#3

Chloromethane

Concen: 18.552 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD0219SBS01

Tot Ion: 50 Resp: 96982

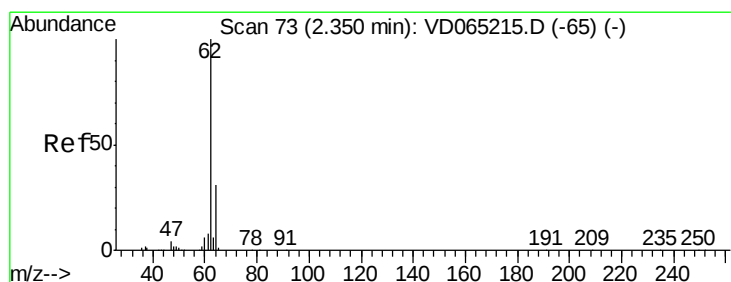
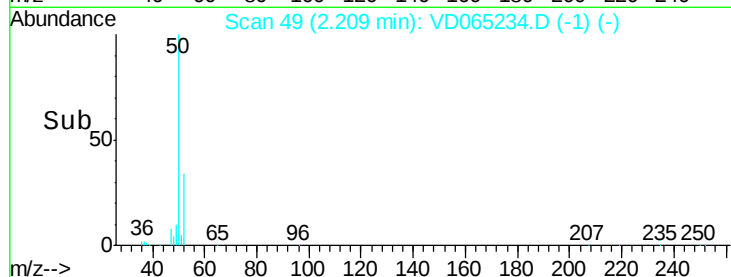
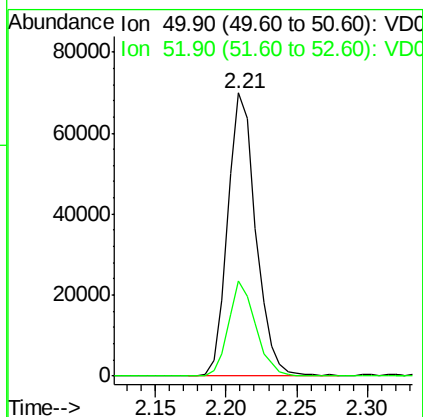
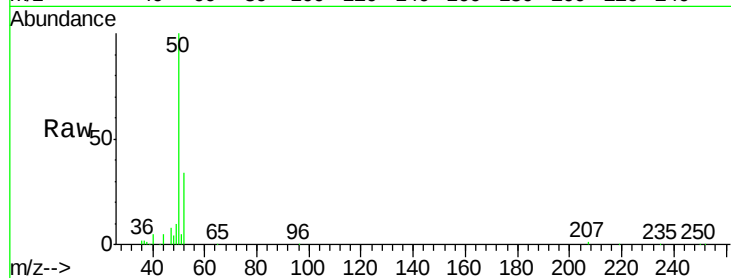
Ion Ratio Lower Upper

50 100

52 33.6 25.5 38.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 17.807 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065234.D

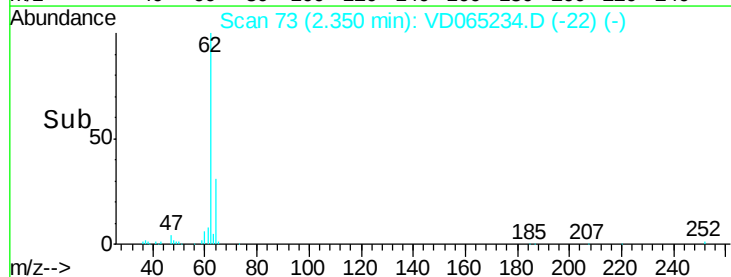
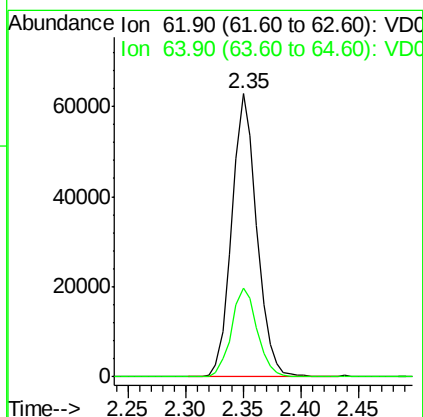
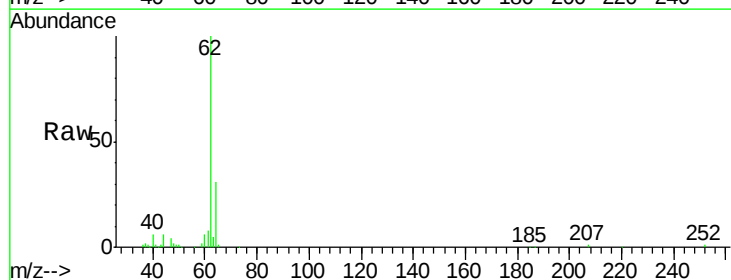
Acq: 19 Feb 2020 13:01

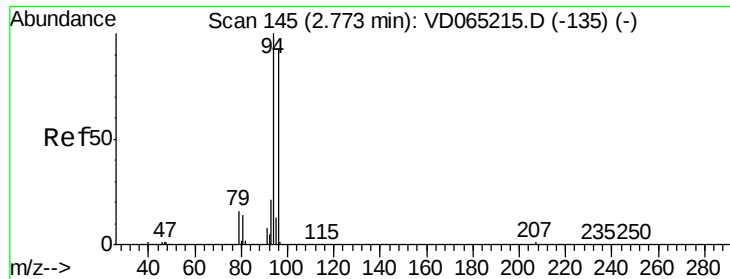
Tgt Ion: 62 Resp: 94655

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.6





#5

Bromomethane

Concen: 17.642 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD0219SBS01

Tot Ion: 94 Resp: 56702

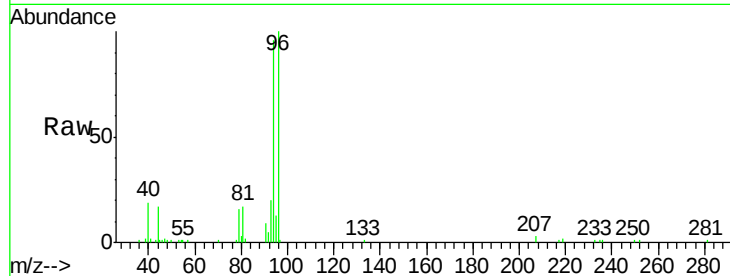
Ion Ratio Lower Upper

94 100

96 103.5 74.2 111.4

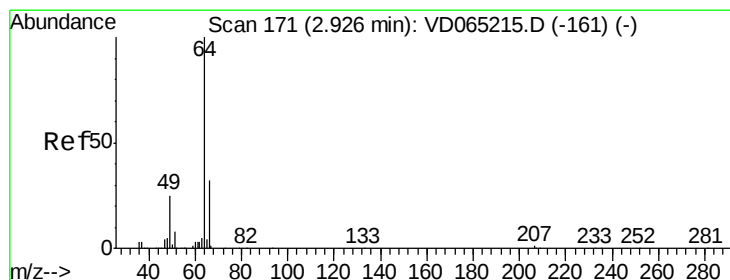
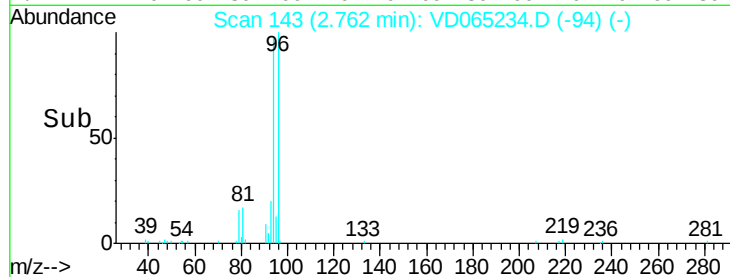
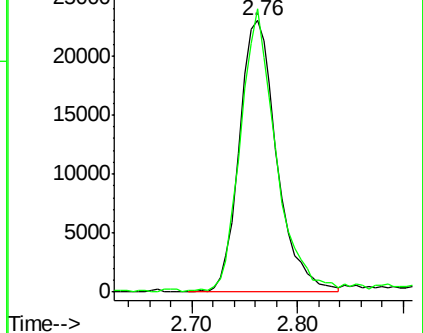
Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.938 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065234.D

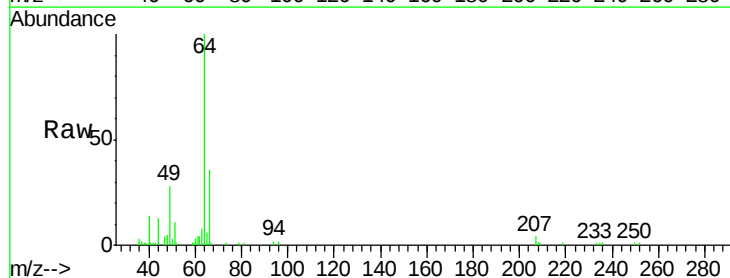
Acq: 19 Feb 2020 13:01

Tgt Ion: 64 Resp: 58204

Ion Ratio Lower Upper

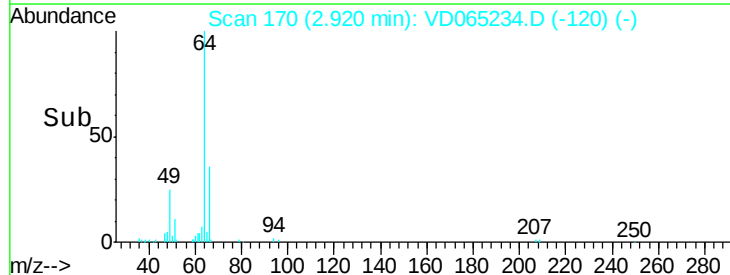
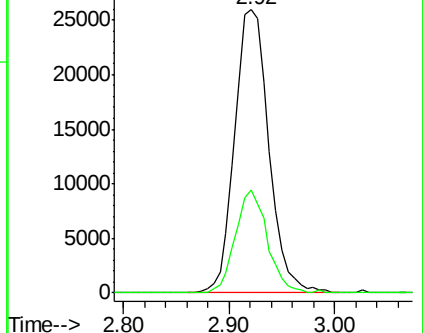
64 100

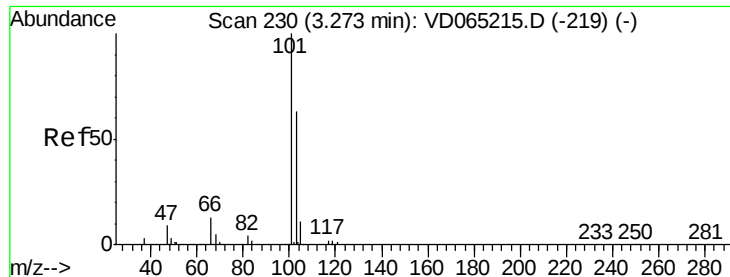
66 36.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

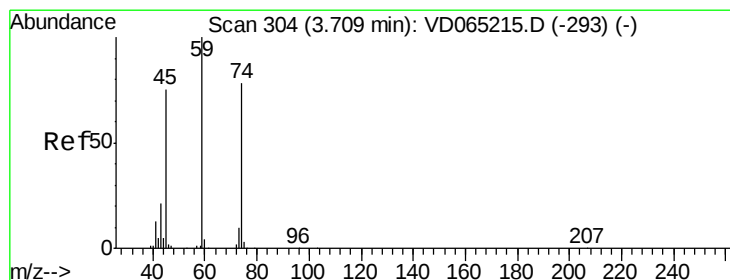
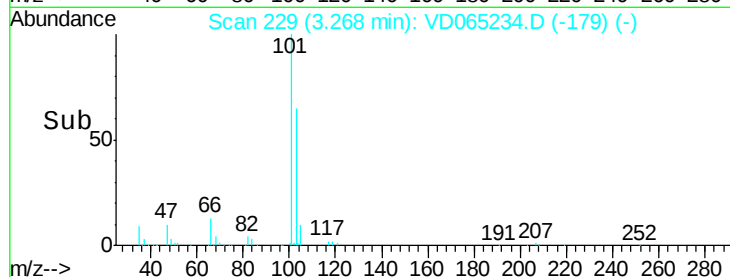
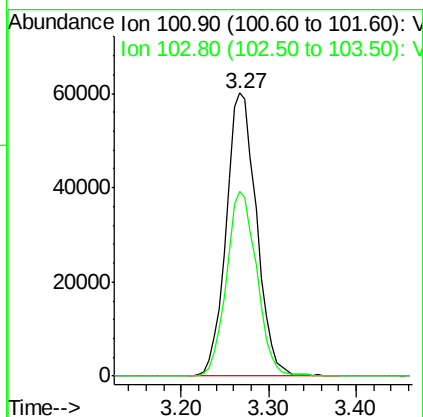
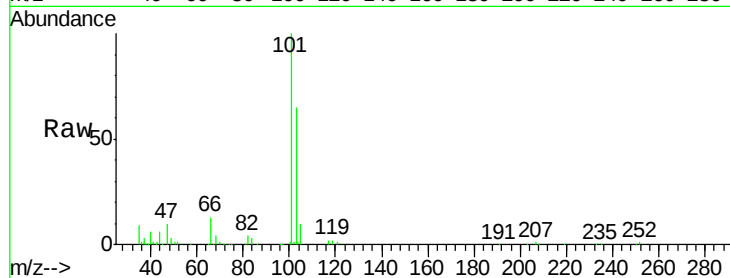
Trichlorofluoromethane
 Concen: 18.627 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	50.7	76.1

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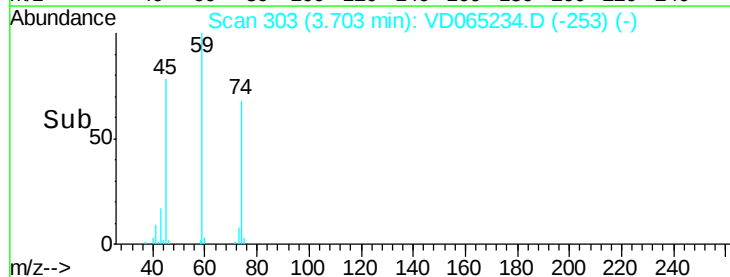
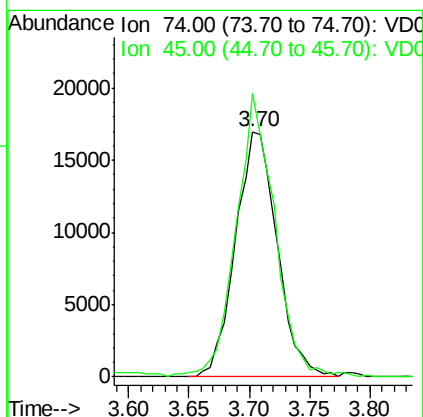
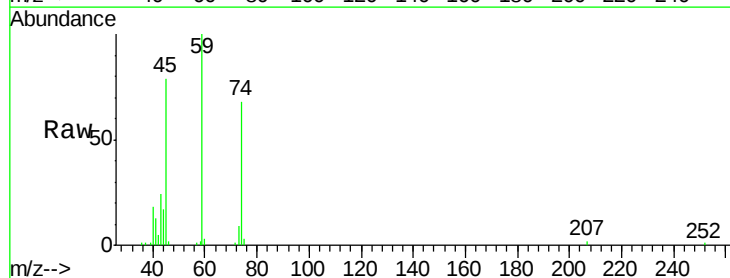
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 2/21/2020 5:25:39 PM

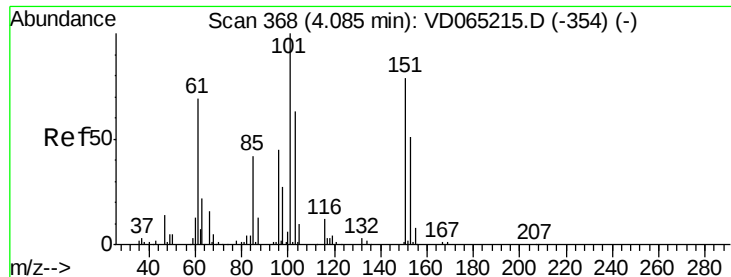


#8

Diethyl Ether
 Concen: 17.757 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.7	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.674 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

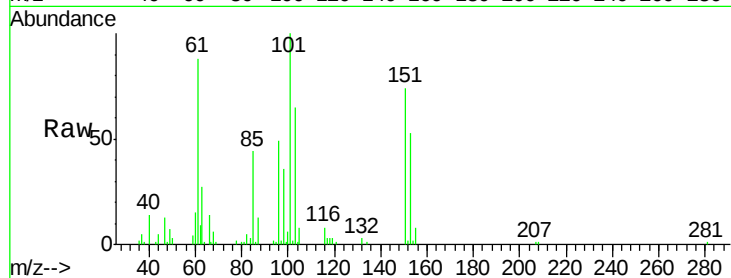
ClientSampleId :

VD0219SBS01

Tot Ion:	101	Resp:	89747
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.2
151	78.7	63.5	95.3

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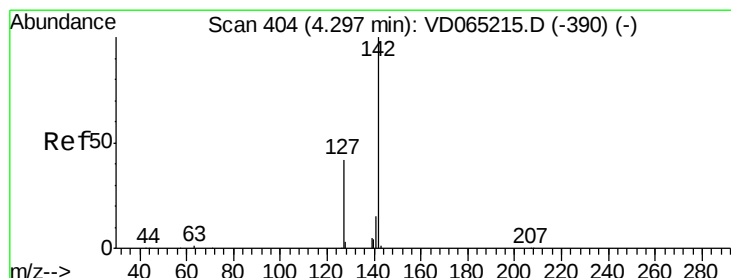
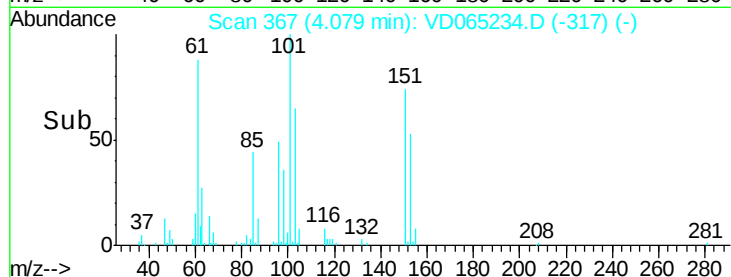
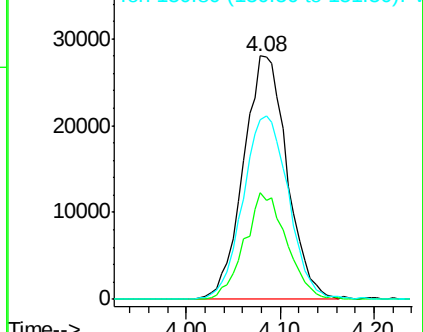
MMDadoda
2/21/2020 5:25:39 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.781 ug/l

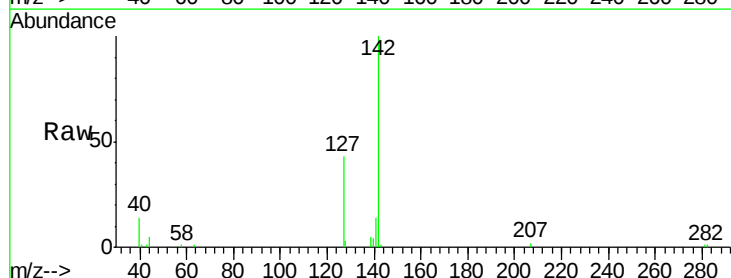
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

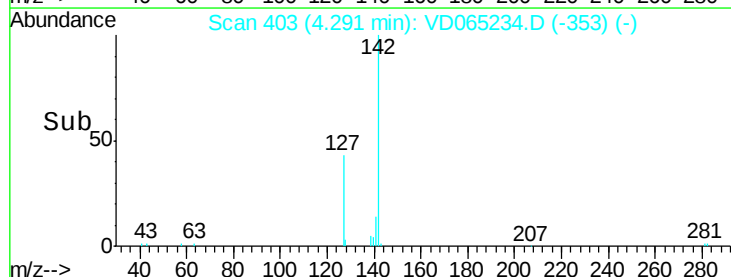
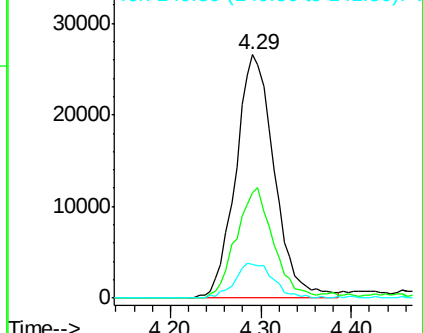
Tgt Ion:	142	Resp:	78750
Ion Ratio	Lower	Upper	
142	100		
127	43.3	33.8	50.8
141	14.3	11.7	17.5

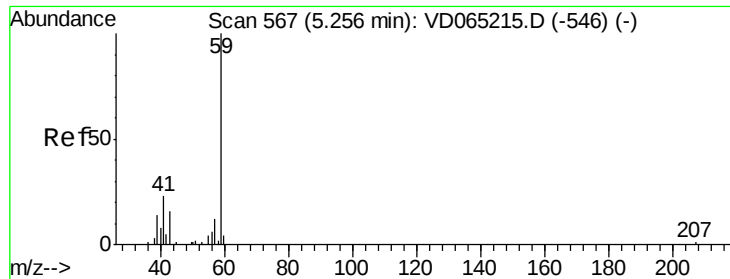


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

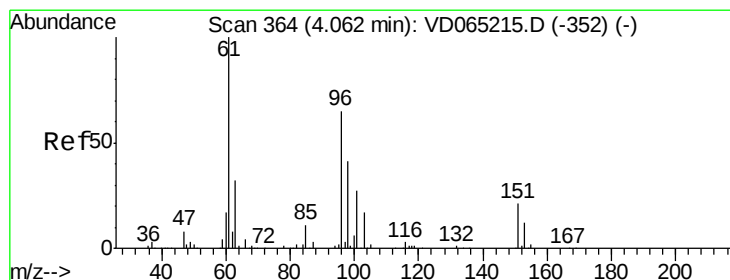
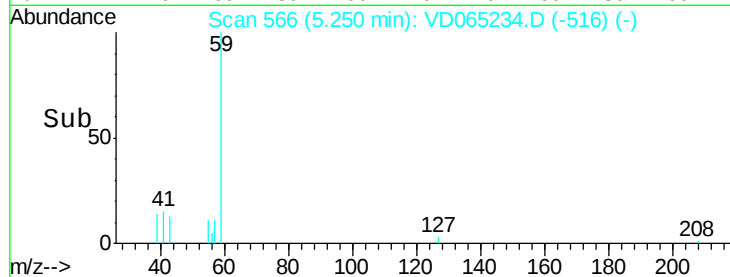
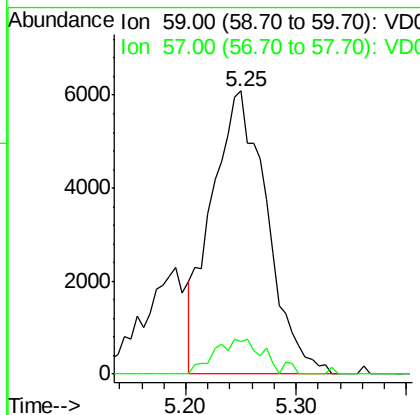
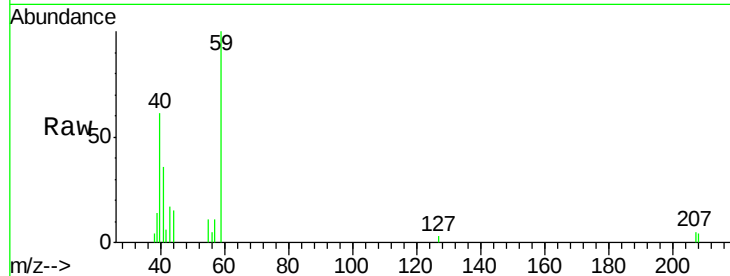
Tert butyl alcohol
Concen: 80.769 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.4	12.6

Manual Integrations
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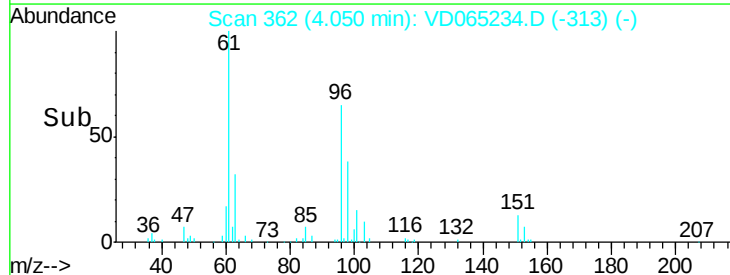
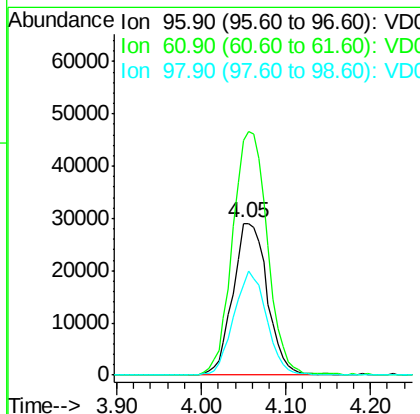
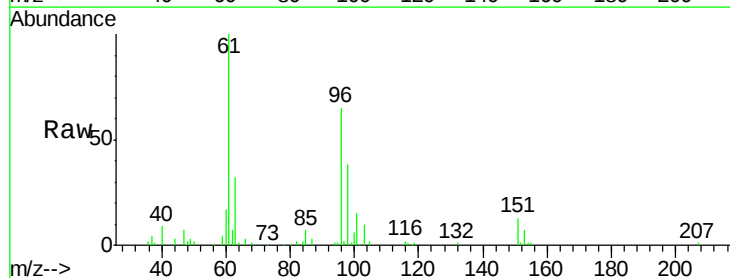
MMDadoda
2/21/2020 5:25:39 PM



#12

1,1-Dichloroethene
Concen: 18.055 ug/l
RT: 4.05 min Scan# 362
Delta R.T. -0.01 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.6	123.3	184.9
98	59.5	51.0	76.4





#13

Acrolein

Concen: 118.428 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD0219SBS01

Tot Ion: 56 Resp: 43150

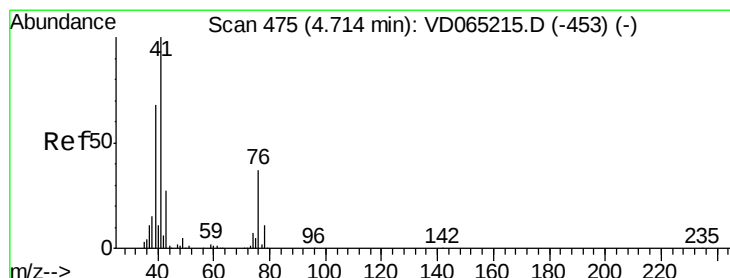
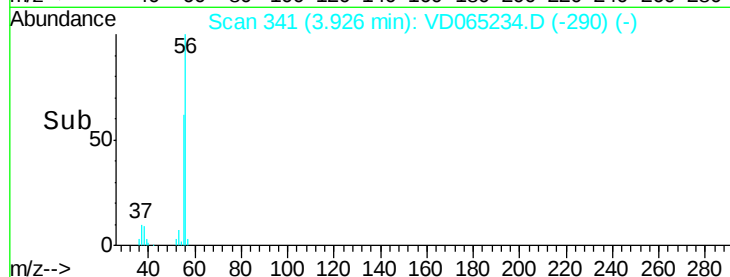
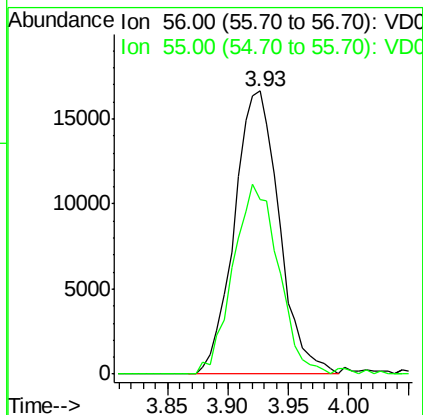
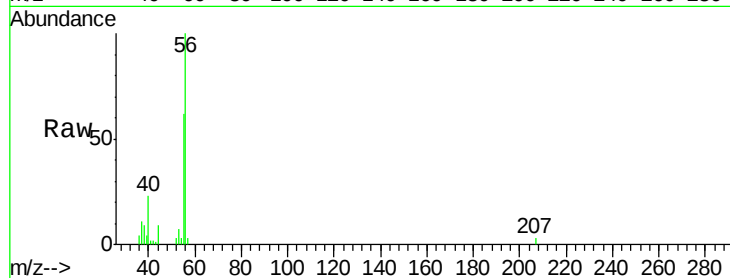
Ion Ratio Lower Upper

56 100

55 67.8 56.6 85.0

Manual Integrations
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#14

Allyl chloride

Concen: 18.112 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

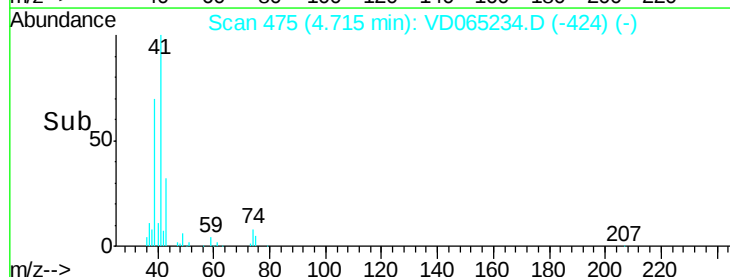
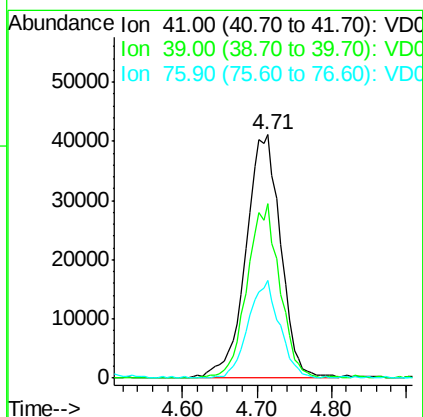
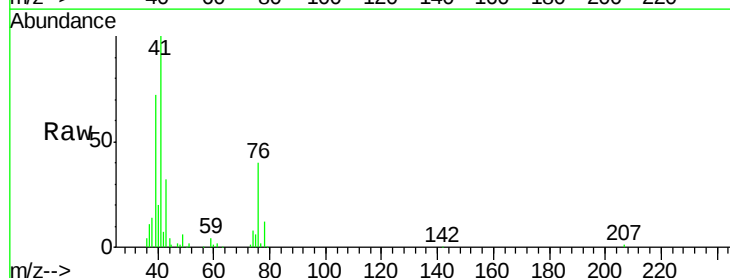
Tgt Ion: 41 Resp: 133529

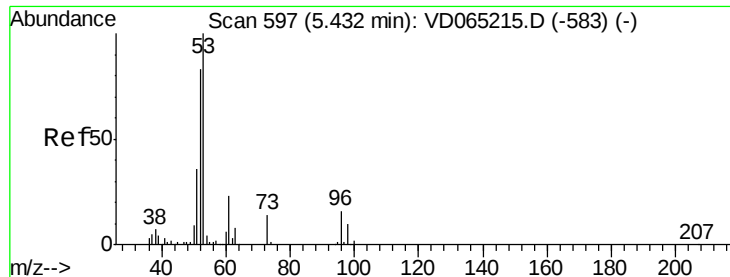
Ion Ratio Lower Upper

41 100

39 67.0 53.8 80.6

76 36.0 28.7 43.1





#15

Acrylonitrile

Concen: 90.575 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

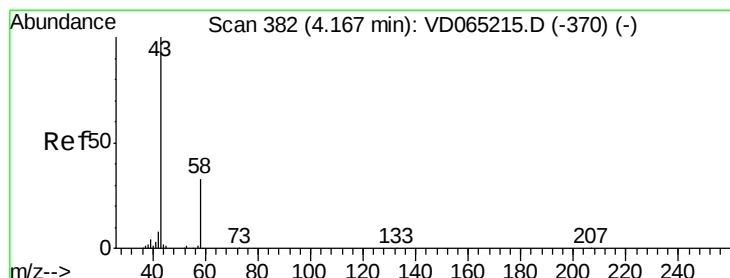
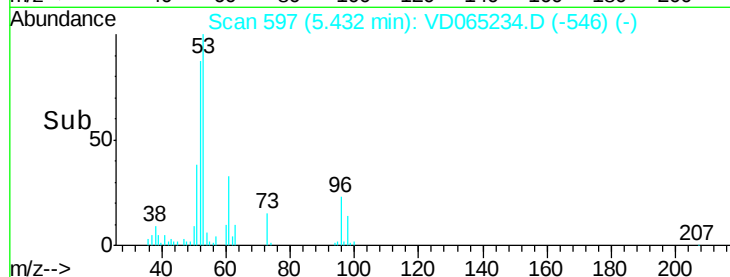
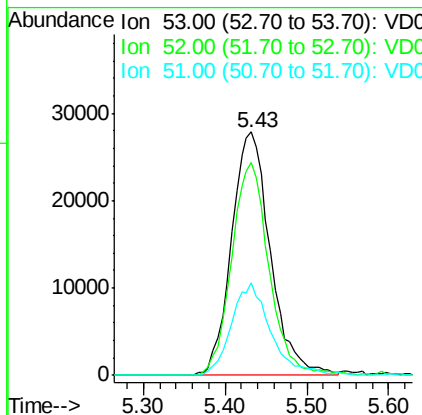
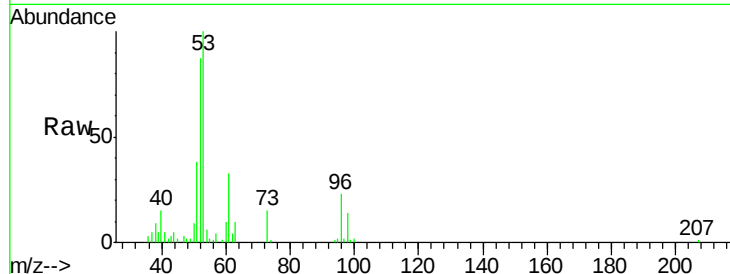
ClientSampleId :

VD0219SBS01

Tot Ion:	53	Resp:	92120
Ion Ratio	Lower	Upper	
53	100		
52	84.3	65.4	98.2
51	38.5	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 85.219 ug/l

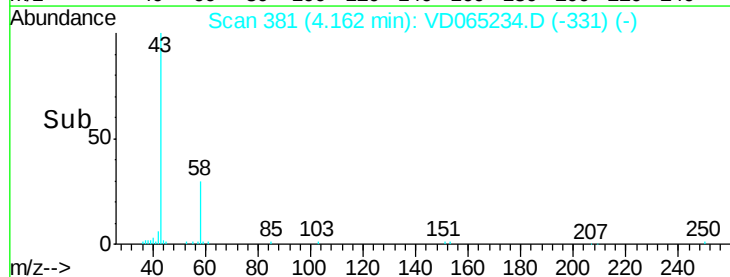
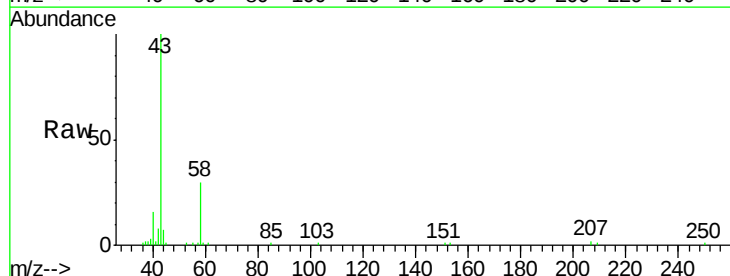
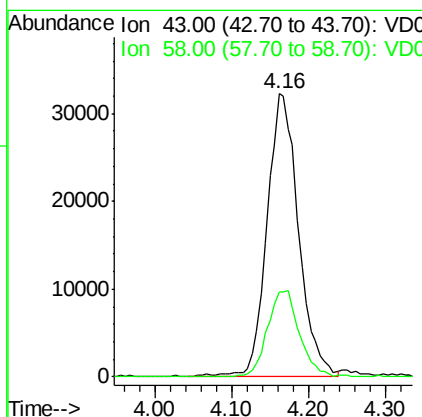
RT: 4.16 min Scan# 381

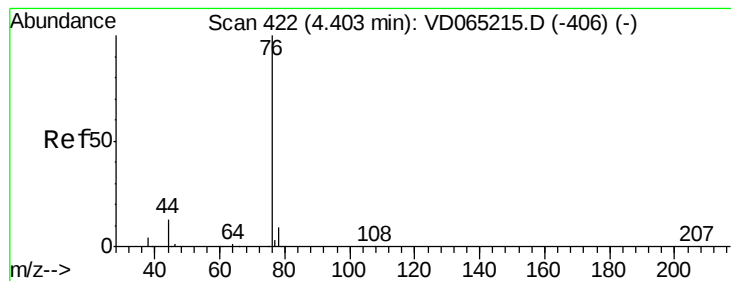
Delta R.T. -0.01 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Tgt Ion:	43	Resp:	91766
Ion Ratio	Lower	Upper	
43	100		
58	30.0	26.2	39.2





#17

Carbon Disulfide

Concen: 18.323 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD0219SBS01

Tot Ion: 76 Resp: 278898

Ion Ratio Lower Upper

76 100

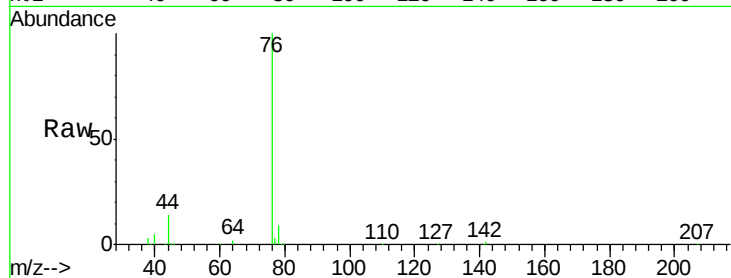
78 9.3 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

100000

80000

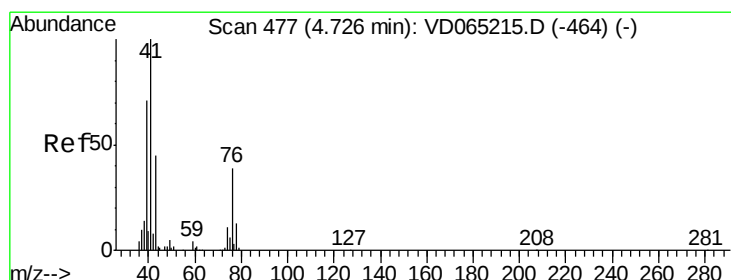
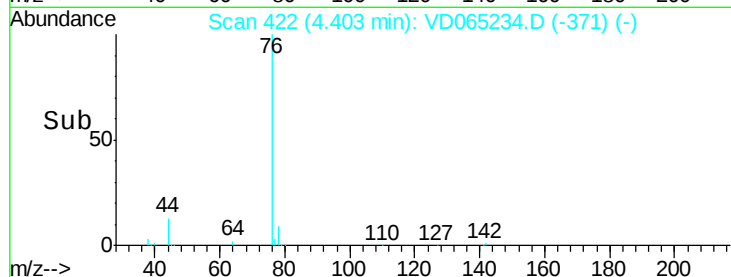
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 18.546 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065234.D

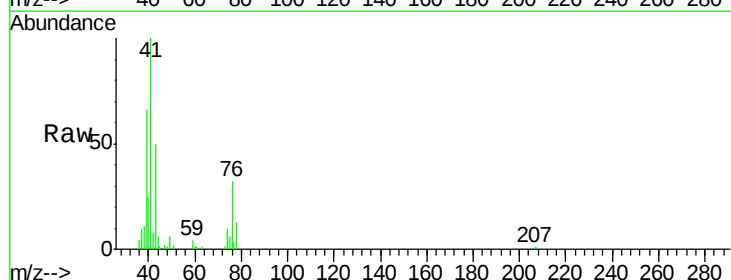
Acq: 19 Feb 2020 13:01

Tgt Ion: 43 Resp: 44916

Ion Ratio Lower Upper

43 100

74 23.0 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

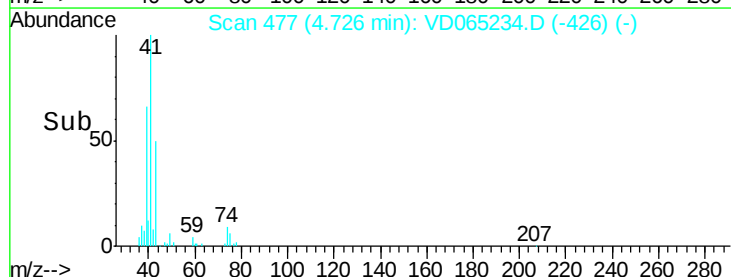
15000

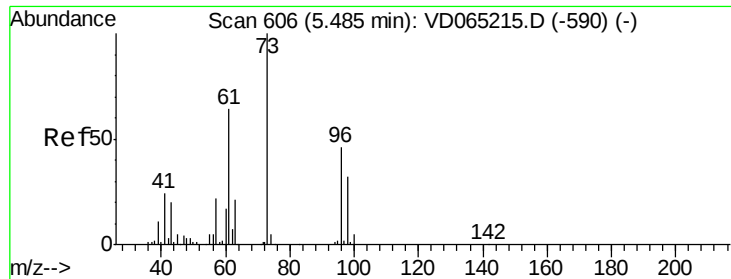
10000

5000

0

Time-->





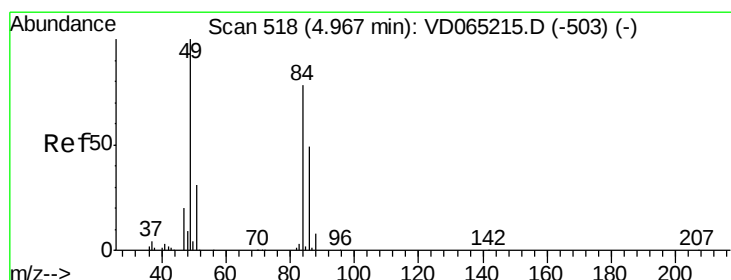
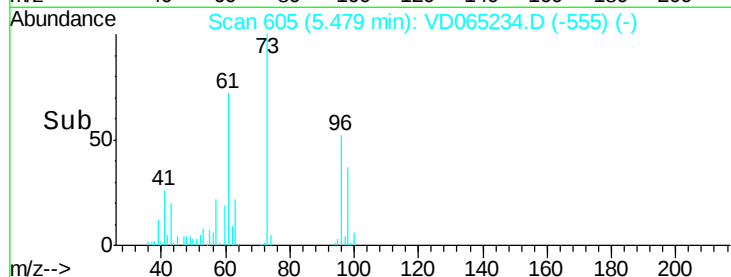
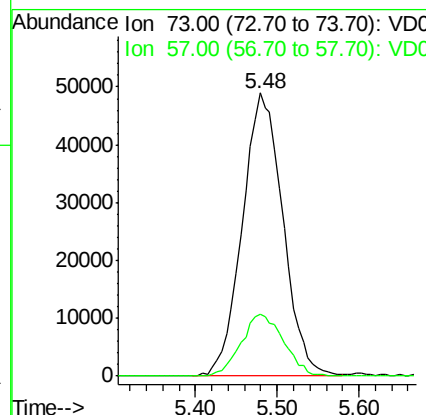
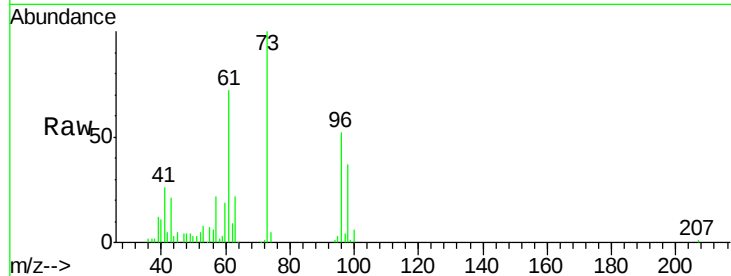
#19
Methyl tert-butyl Ether
Concen: 17.853 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion: 73 Resp: 169026
Ion Ratio Lower Upper
73 100
57 22.1 17.3 25.9

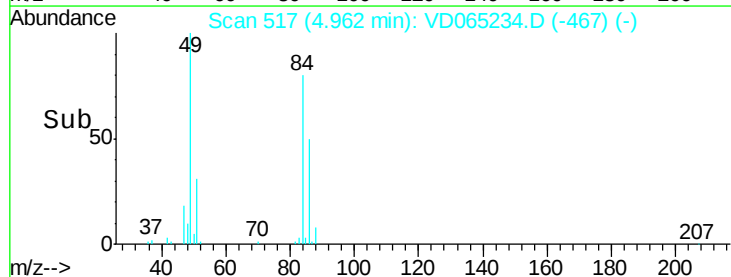
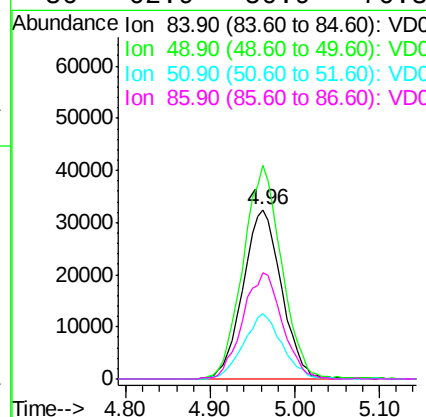
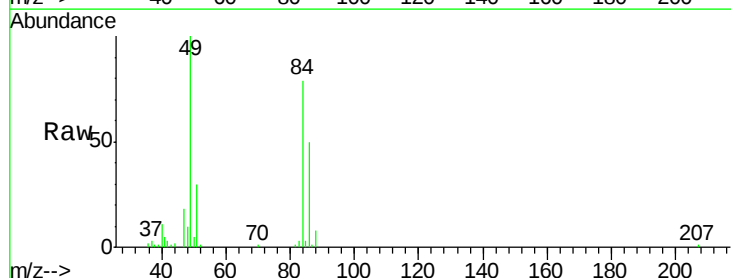
Manual Integrations
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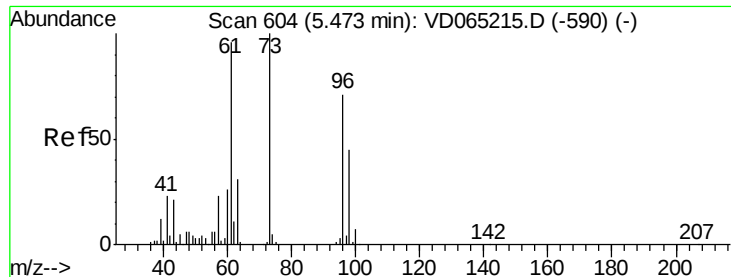
MMDadoda
2/21/2020 5:25:39 PM



#20
Methylene Chloride
Concen: 18.480 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion: 84 Resp: 102517
Ion Ratio Lower Upper
84 100
49 126.3 103.1 154.7
51 38.3 31.7 47.5
86 62.9 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 18.671 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

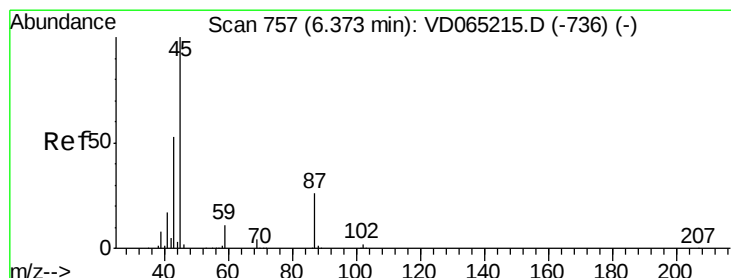
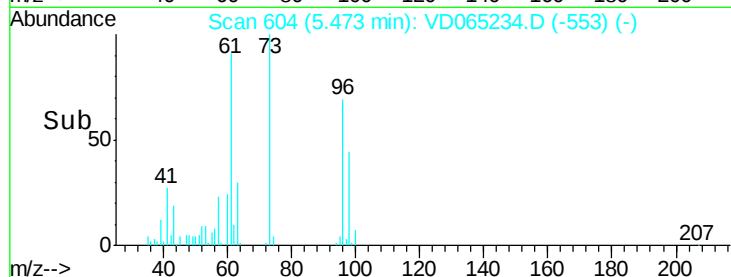
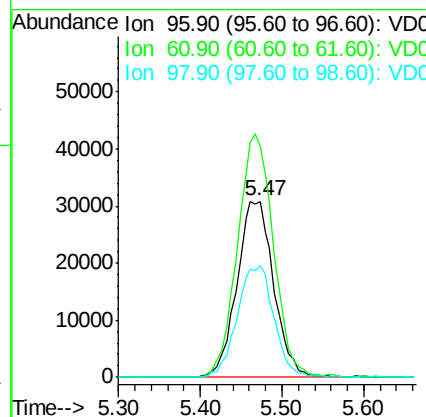
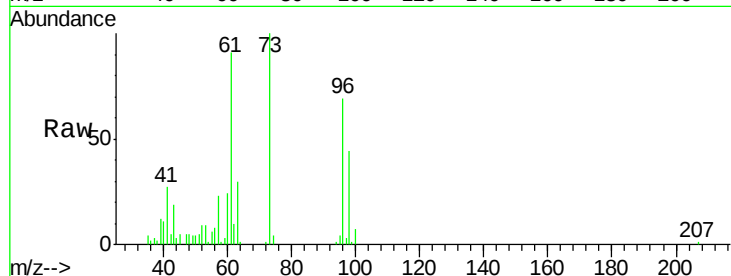
ClientSampleId :

VD0219SBS01

Tot Ion:	96	Resp:	96364
Ion	Ratio	Lower	Upper
96	100		
61	130.6	108.3	162.5
98	63.0	50.7	76.1

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#22

Diisopropyl ether

Concen: 19.010 ug/l

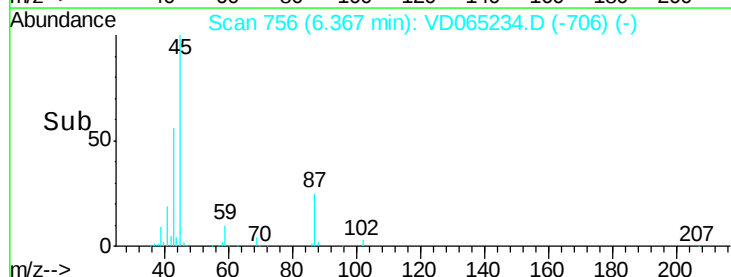
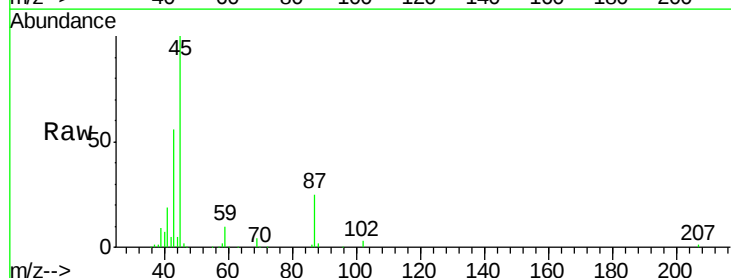
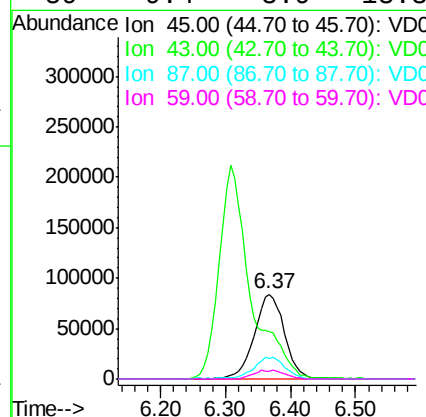
RT: 6.37 min Scan# 756

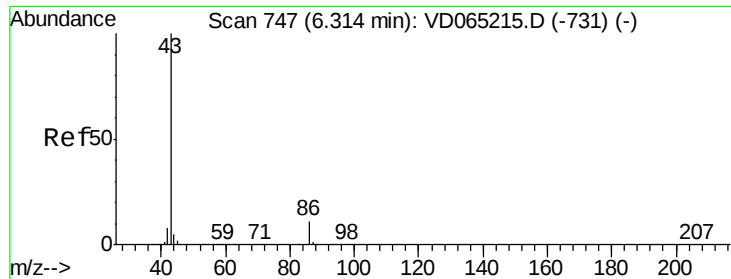
Delta R.T. -0.01 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Tgt Ion:	45	Resp:	270183
Ion	Ratio	Lower	Upper
45	100		
43	54.7	42.6	64.0
87	24.9	21.2	31.8
59	9.4	8.9	13.3





#23

Vinyl Acetate

Concen: 90.588 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD0219SBS01

Tot Ion: 43 Resp: 709781

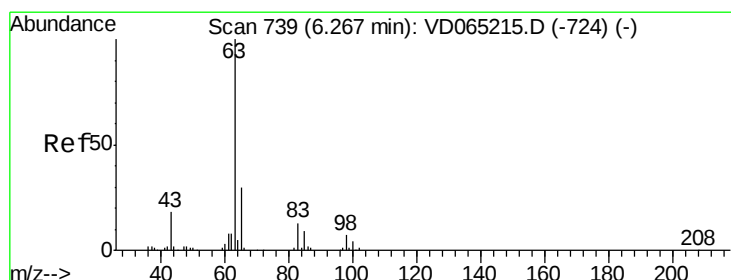
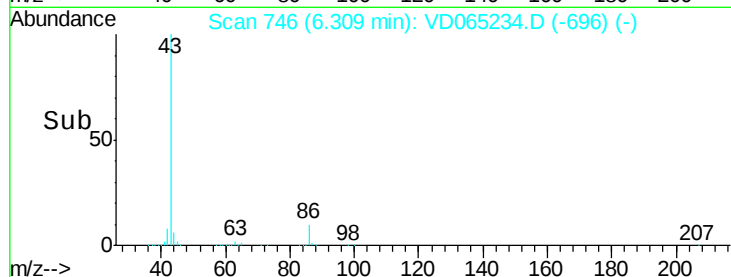
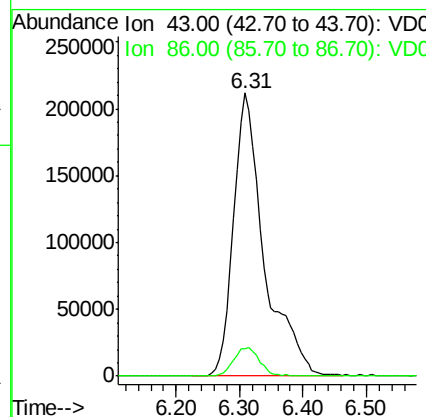
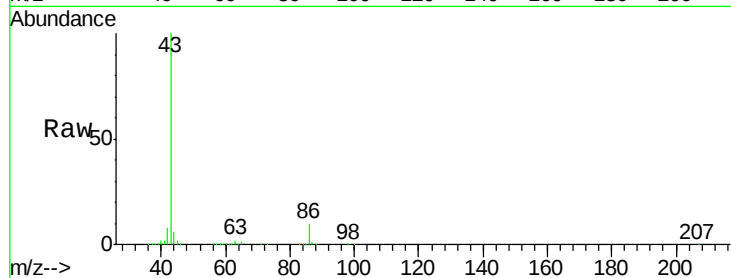
Ion Ratio Lower Upper

43 100

86 9.9 8.6 12.8

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 18.693 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

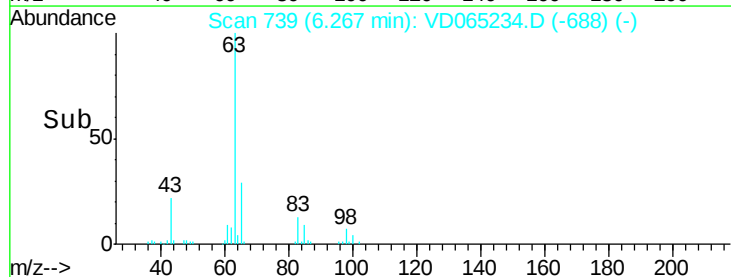
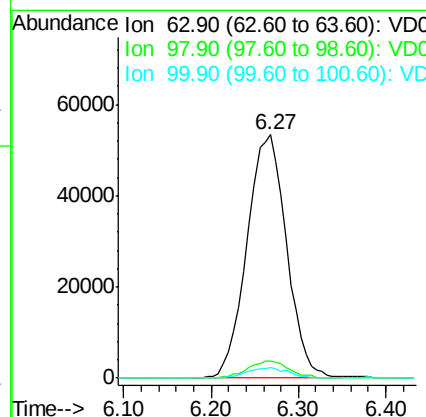
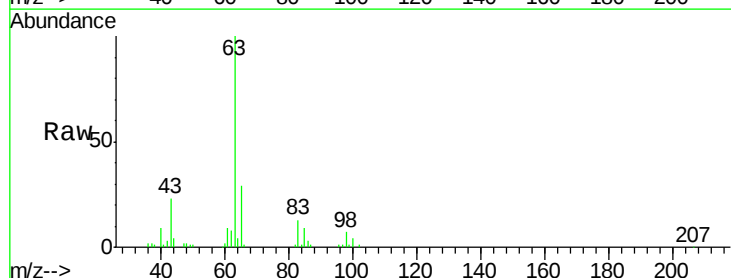
Tgt Ion: 63 Resp: 164785

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

100 4.4 2.3 6.8





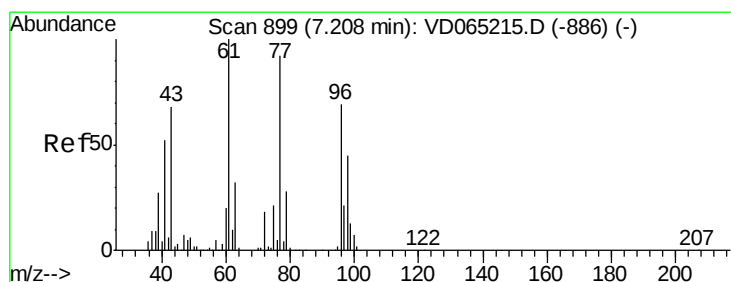
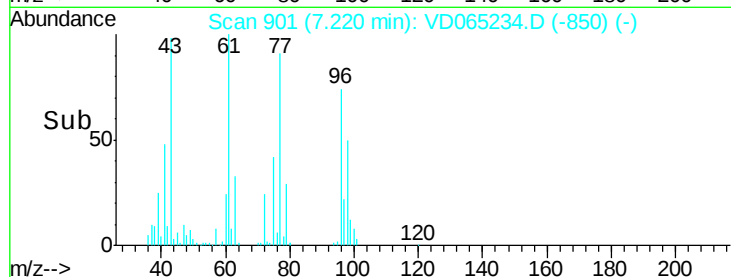
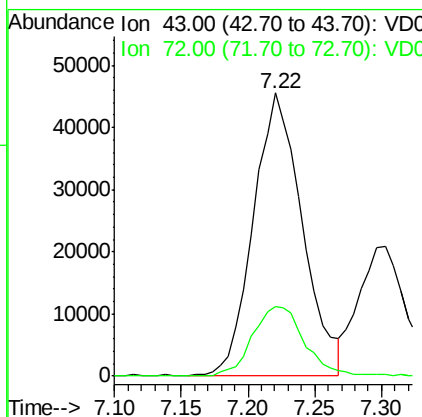
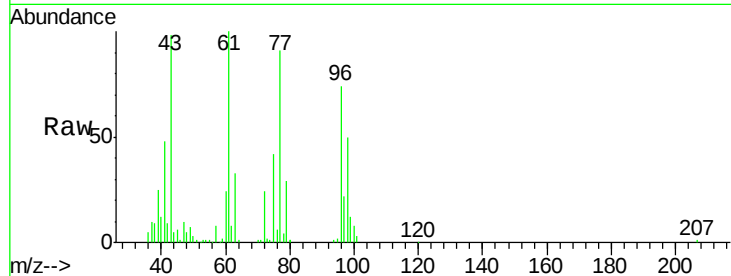
#25
2-Butanone
Concen: 85.278 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion: 43 Resp: 116185
Ion Ratio Lower Upper
43 100
72 24.5 20.9 31.3

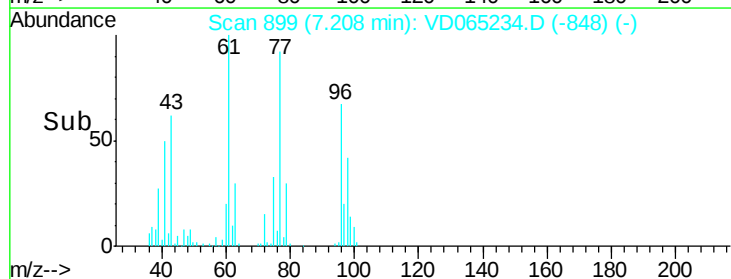
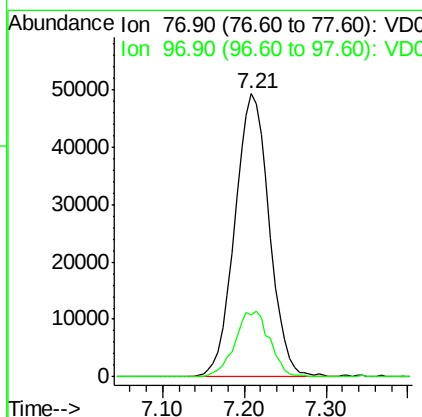
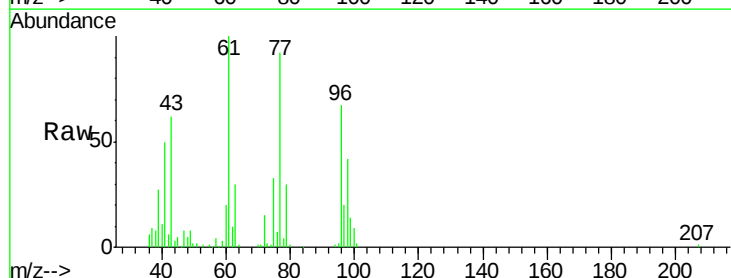
Manual Integrations
APPROVED

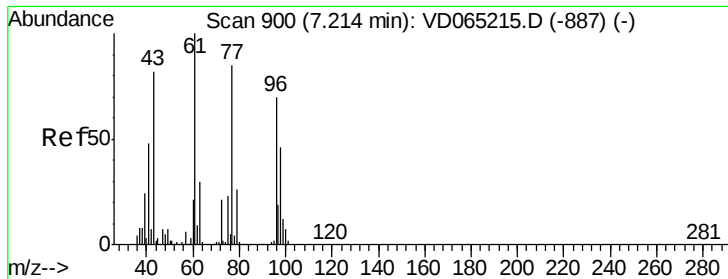
MMDadoda
2/21/2020 5:25:39 PM



#26
2,2-Dichloropropane
Concen: 18.865 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion: 77 Resp: 144294
Ion Ratio Lower Upper
77 100
97 23.3 11.7 35.1





#27

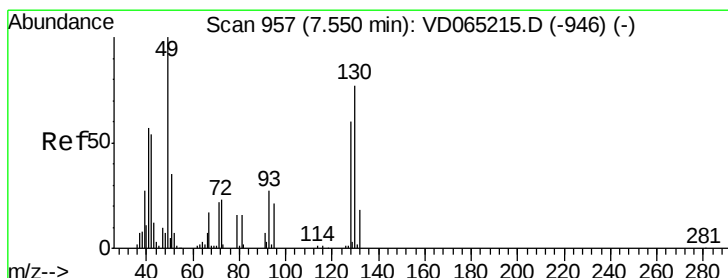
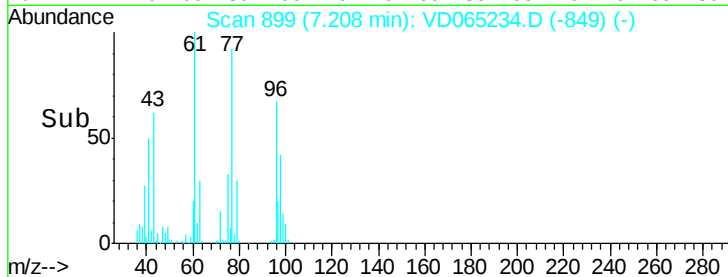
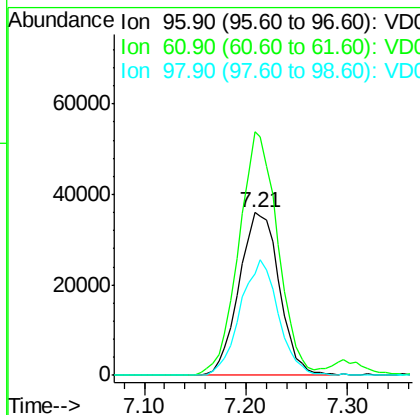
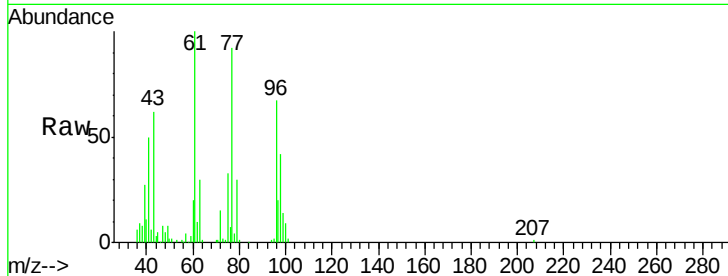
cis-1,2-Dichloroethene
 Concen: 18.142 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0219SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	144.2	0.0	286.0	
98	66.8	0.0	127.8	

Manual Integrations
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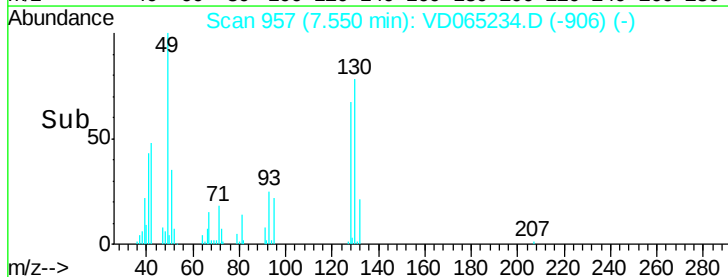
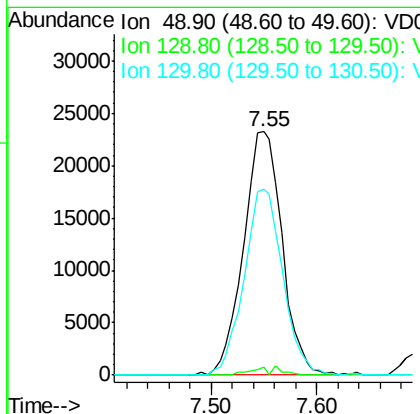
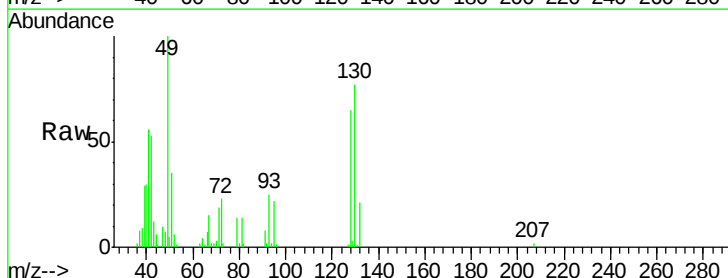
MMDadoda
 2/21/2020 5:25:39 PM

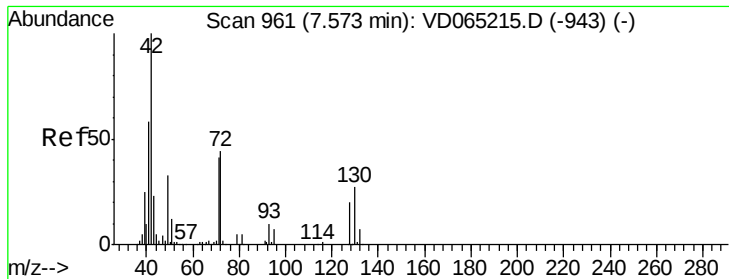


#28

Bromochloromethane
 Concen: 18.107 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.4	0.0	4.6	
130	76.2	64.7	97.1	





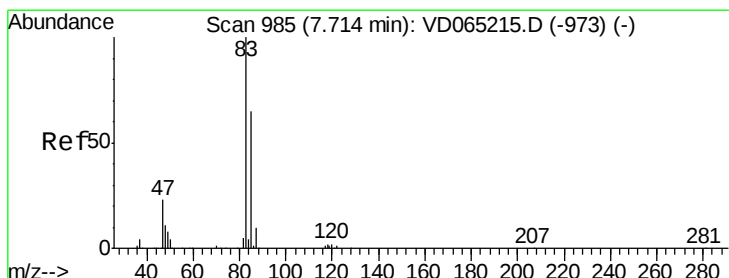
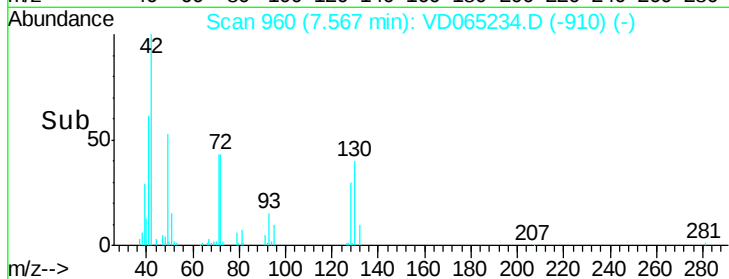
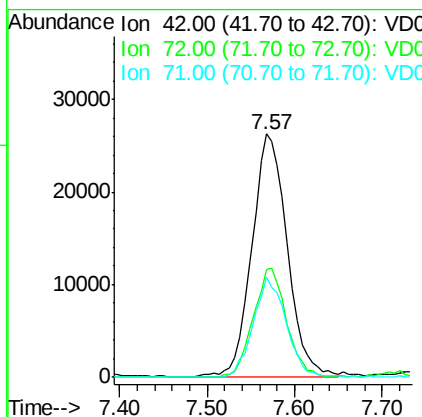
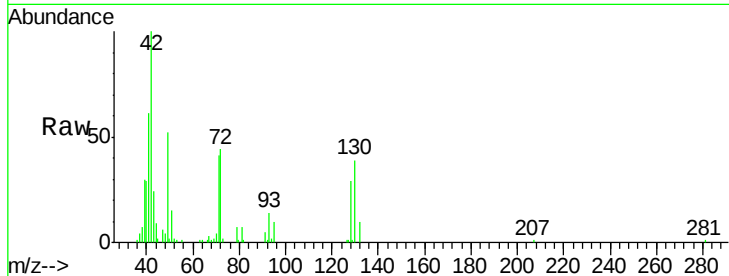
#29
Tetrahydrofuran
Concen: 91.360 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.7	50.5
71	38.1	31.4	47.2

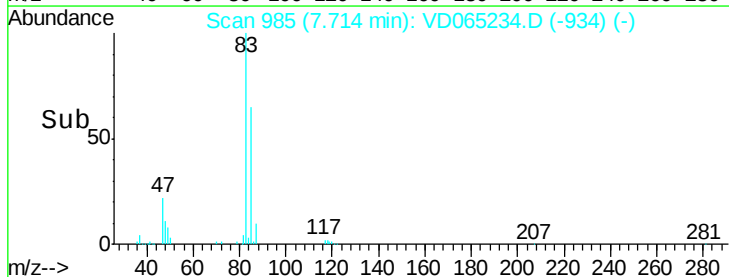
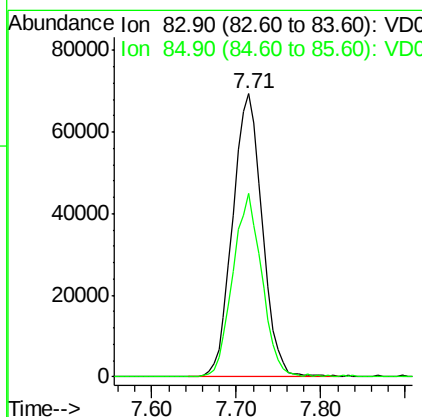
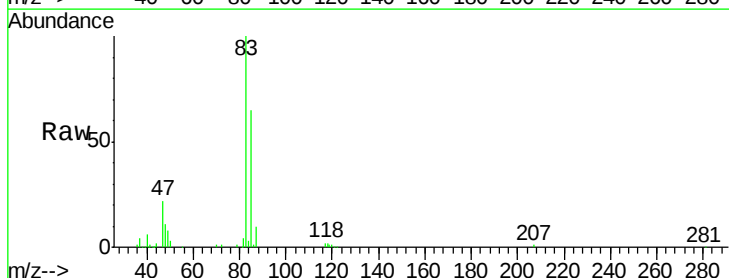
Manual Integrations
APPROVED

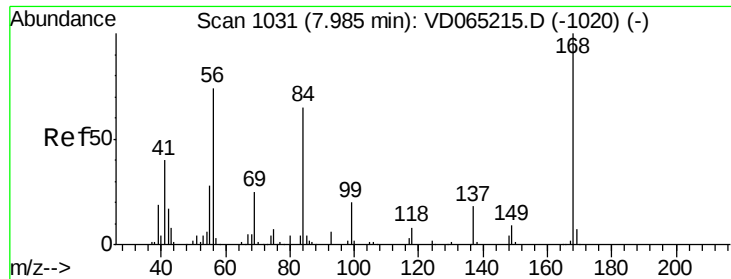
MMDadoda
2/21/2020 5:25:39 PM



#30
Chloroform
Concen: 18.909 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.3	78.5





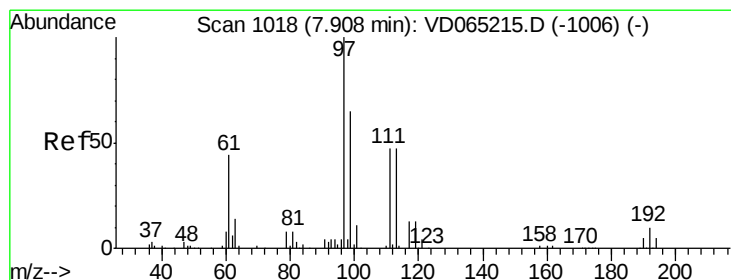
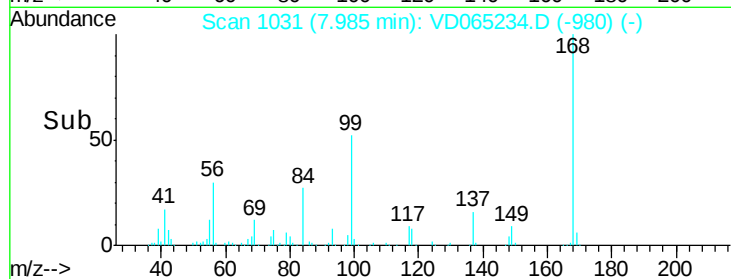
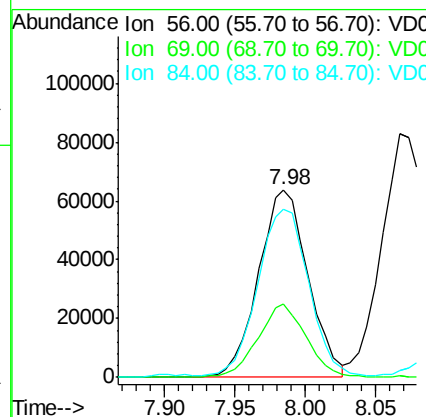
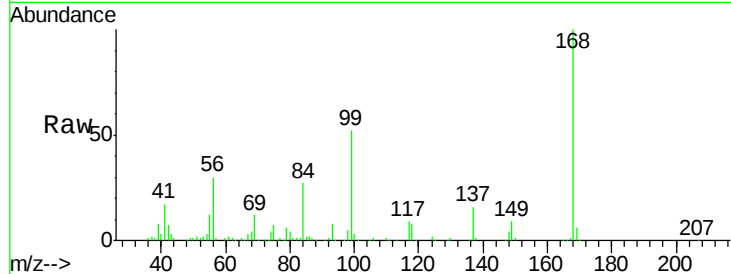
#31
Cyclohexane
Concen: 18.084 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.3	27.4	41.0
84	88.8	71.1	106.7

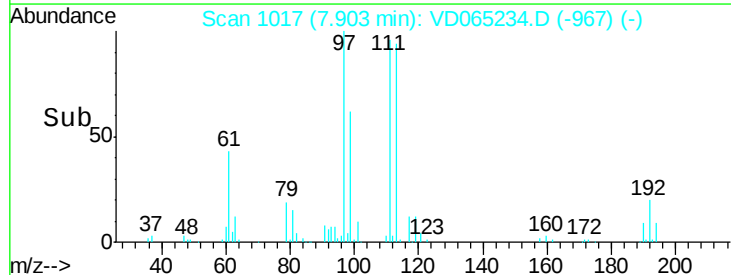
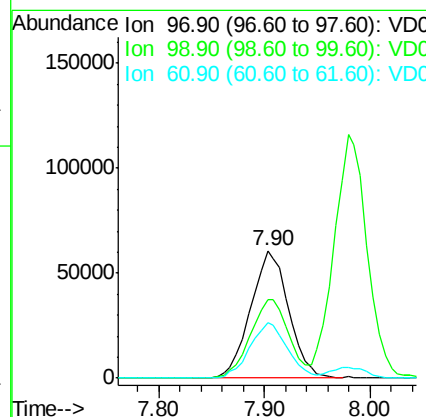
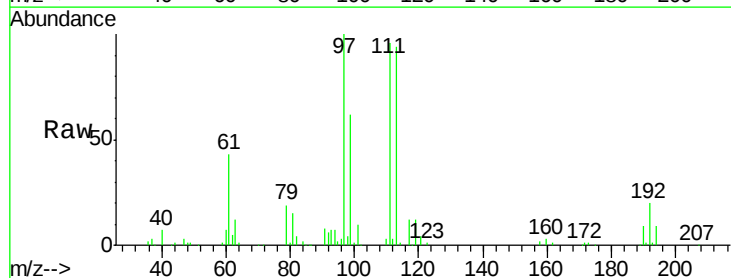
Manual Integrations
APPROVED

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#32
1,1,1-Trichloroethane
Concen: 19.102 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.6	51.4	77.2
61	42.8	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 48.811 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD0219SBS01

Tot Ion: 65 Resp: 215020

Ion Ratio Lower Upper

65 100

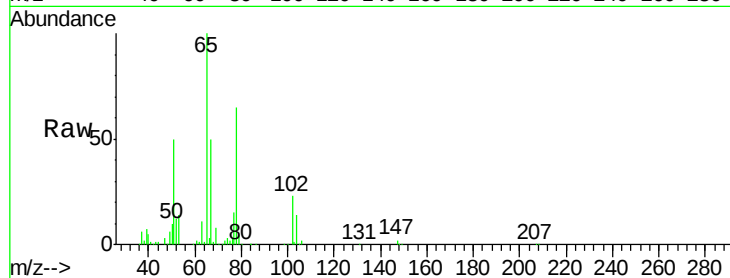
67 52.1 0.0 106.8

Manual Integrations

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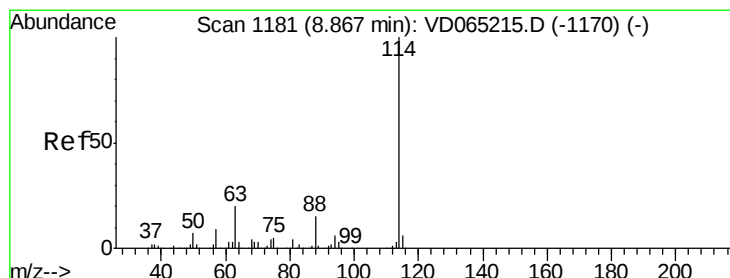
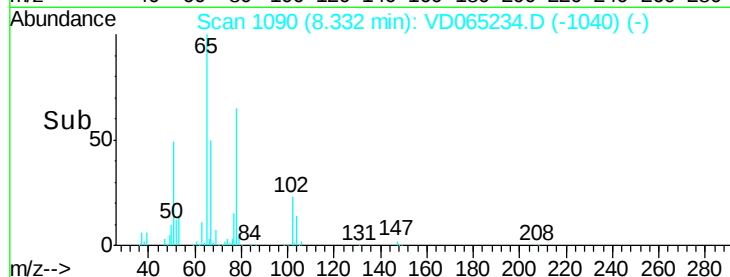
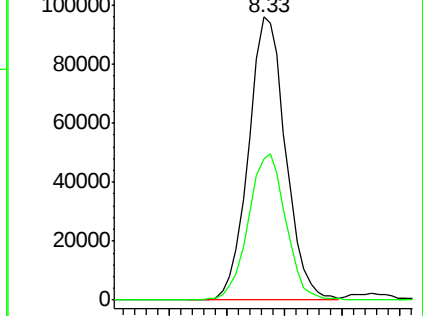
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

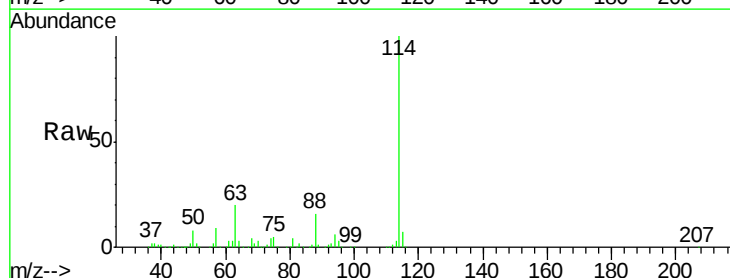
Tgt Ion: 114 Resp: 724806

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.4

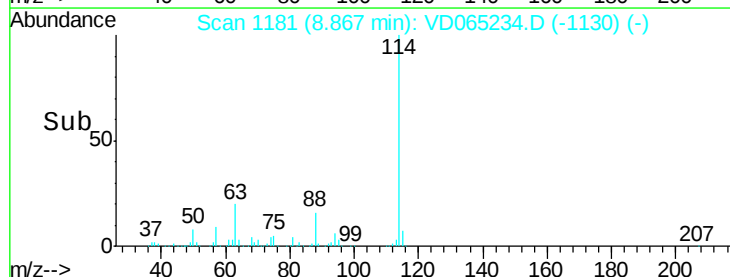
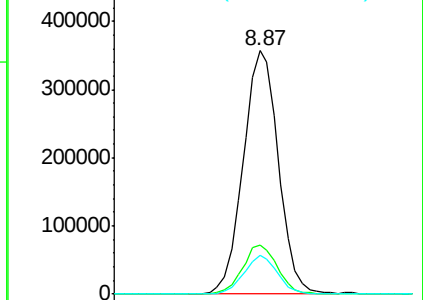
88 15.7 0.0 30.4

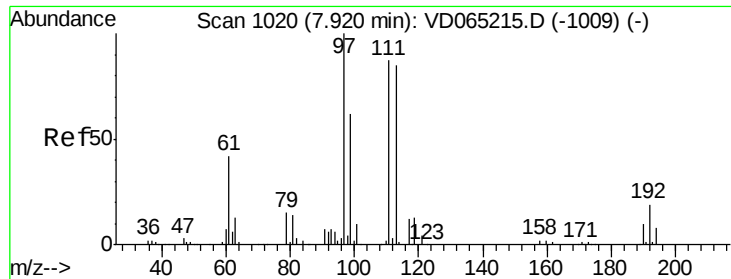


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





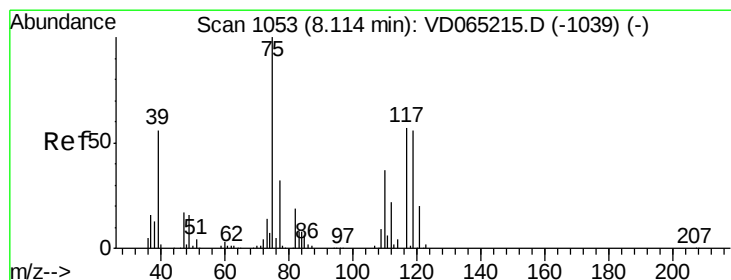
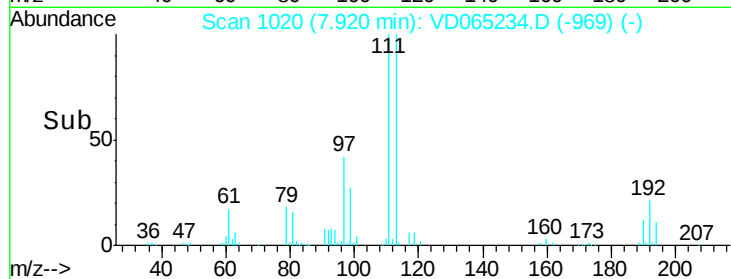
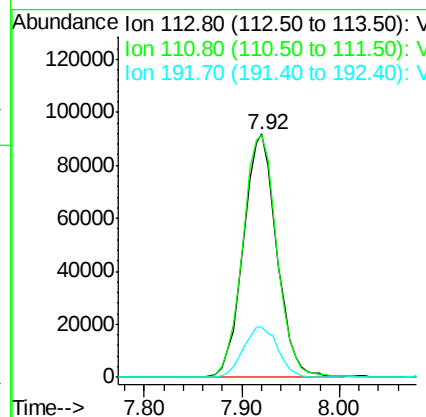
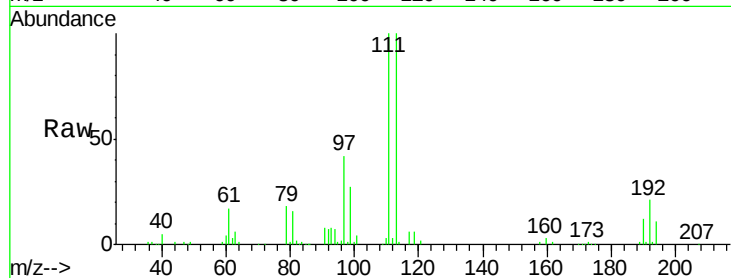
#35
 Dibromofluoromethane
 Concen: 49.697 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0219SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	219635		
111	102.4	82.9	124.3	
192	21.5	17.3	25.9	

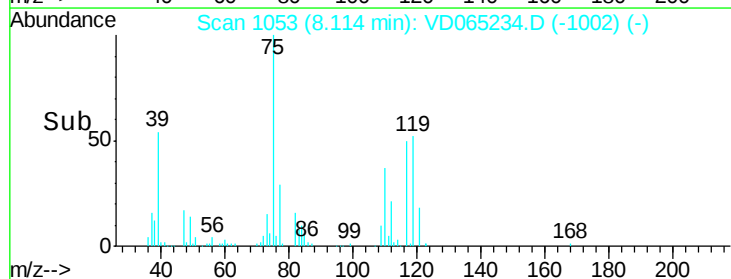
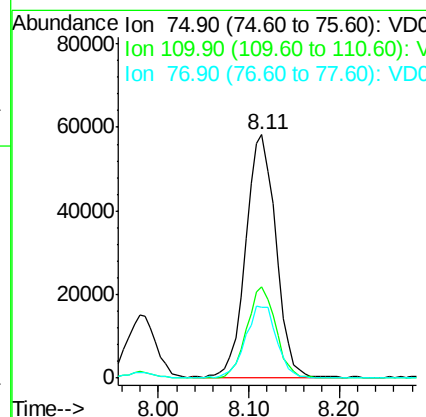
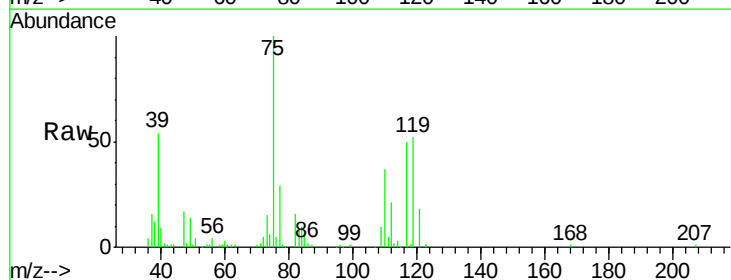
Manual Integrations
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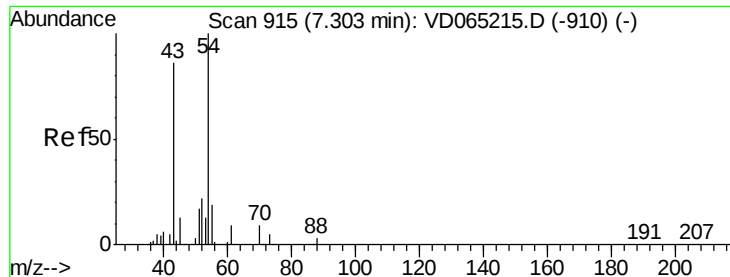
MMDadoda
 2/21/2020 5:25:39 PM



#36
 1,1-Dichloropropene
 Concen: 19.206 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	135447		
110	35.6	17.9	53.7	
77	30.7	25.1	37.7	





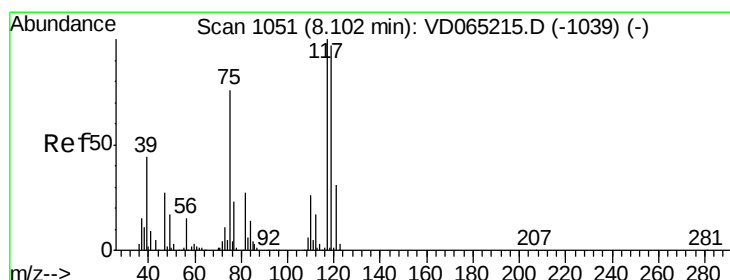
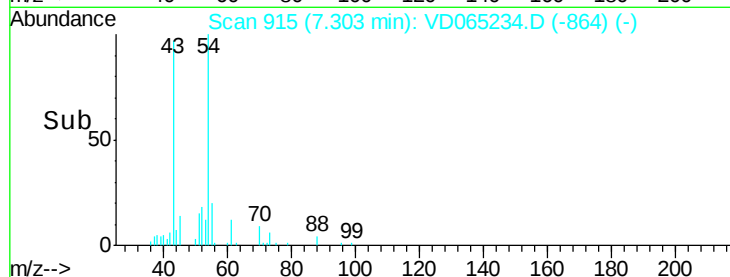
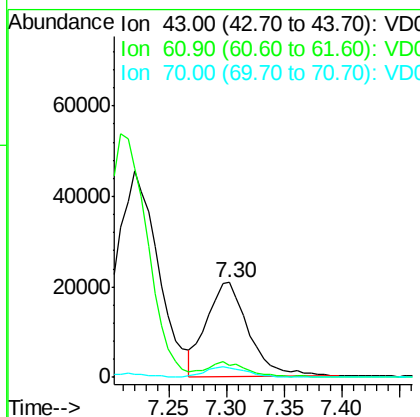
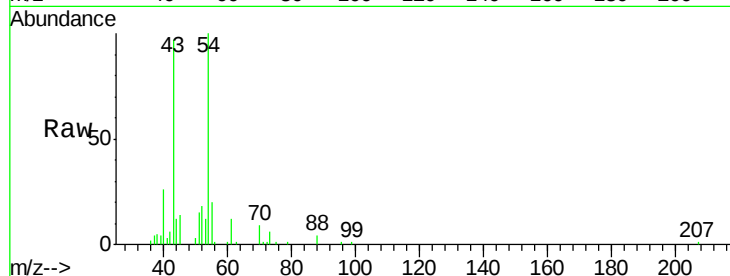
#37
Ethyl Acetate
Concen: 17.710 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.2	16.8
70	10.7	8.2	12.2

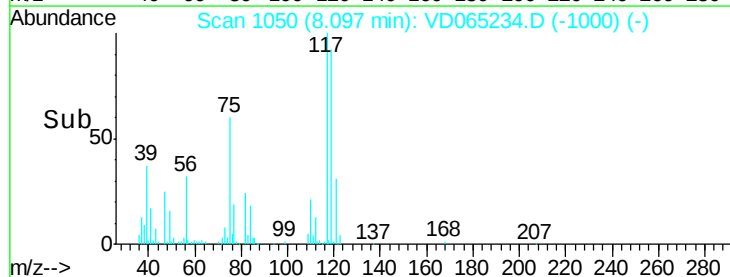
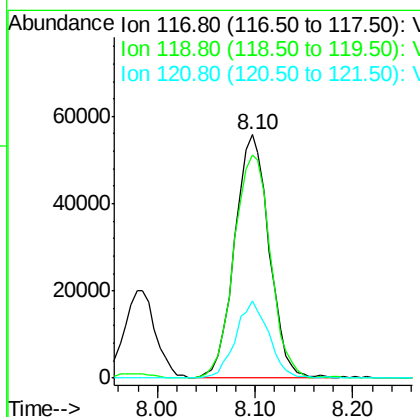
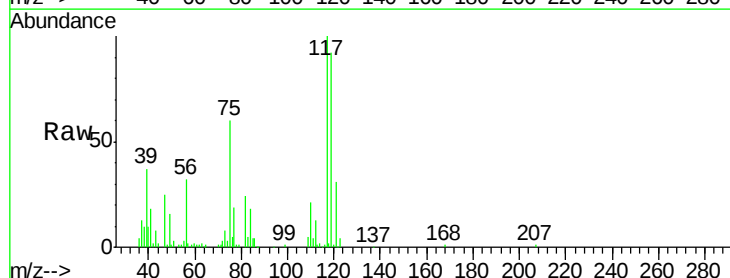
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 19.101 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	77.6	116.4
121	31.5	24.8	37.2





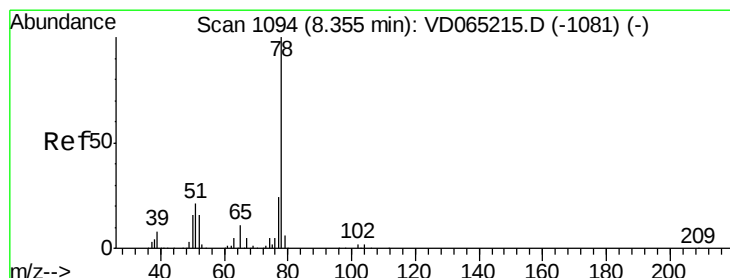
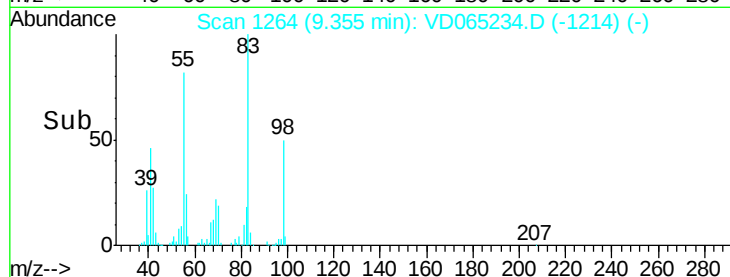
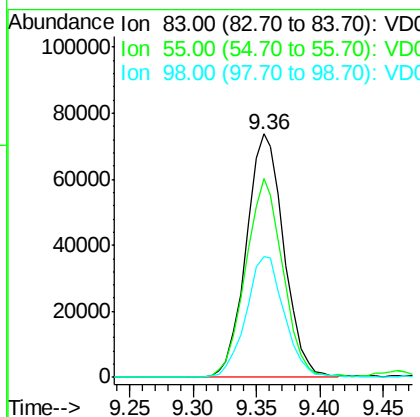
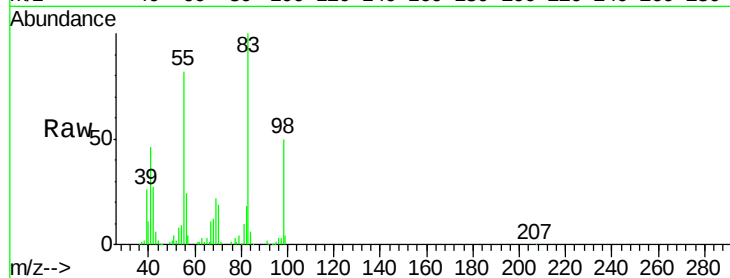
#39
Methvlcvclohexane
Concen: 18.311 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.5	61.8	92.6
98	49.6	39.4	59.0

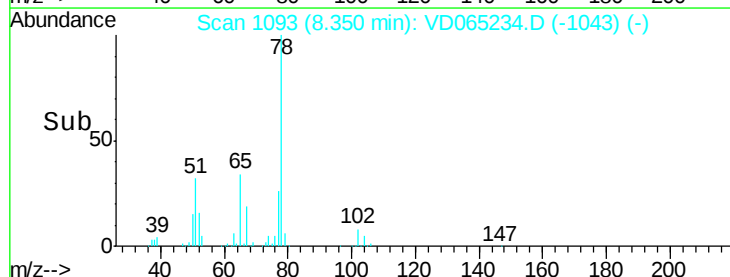
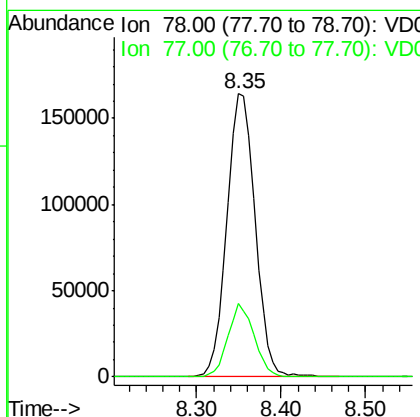
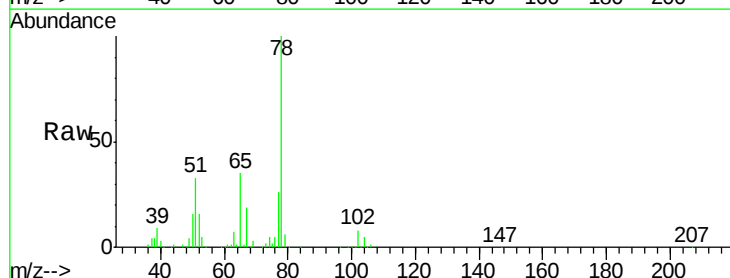
Manual Integrations
APPROVED

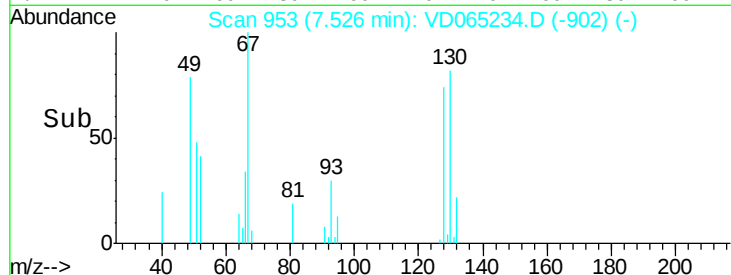
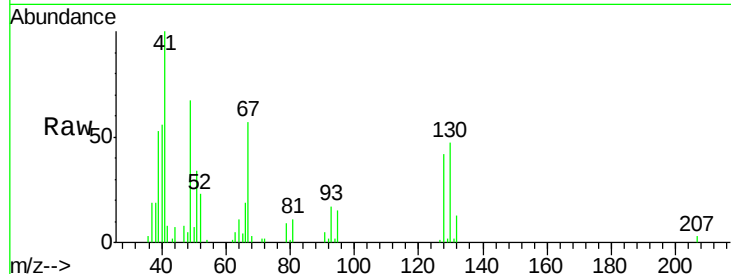
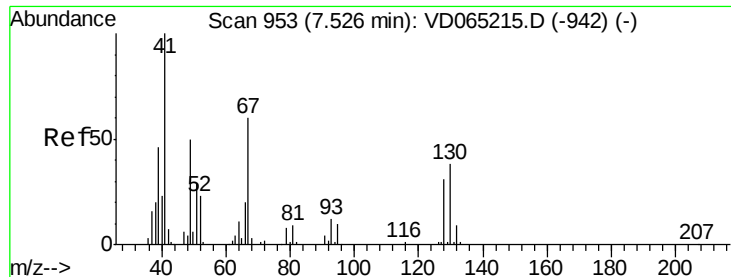
MMDadoda
2/21/2020 5:25:39 PM



#40
Benzene
Concen: 19.045 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.9	19.0	28.6





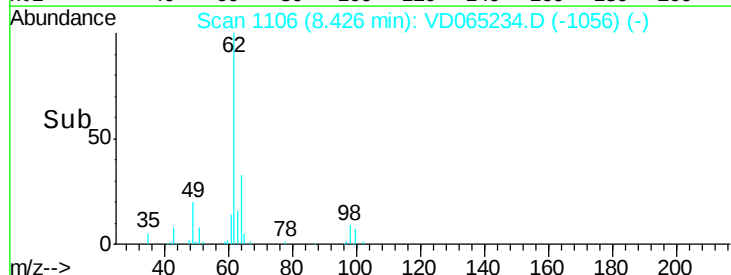
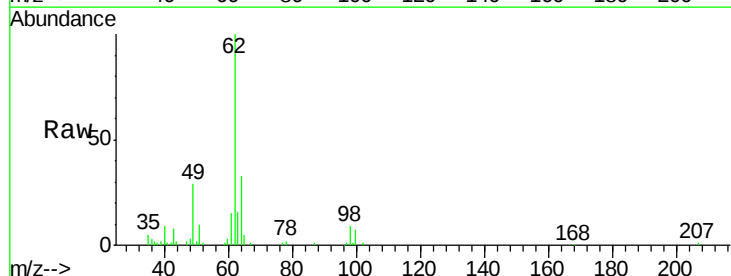
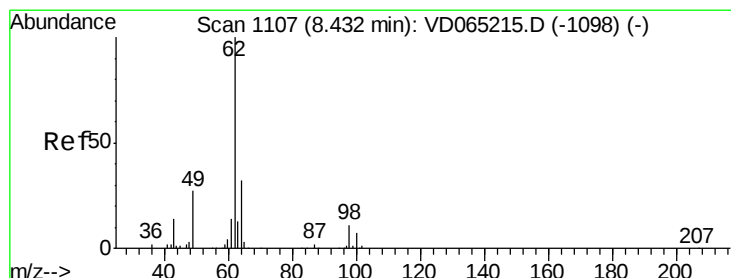
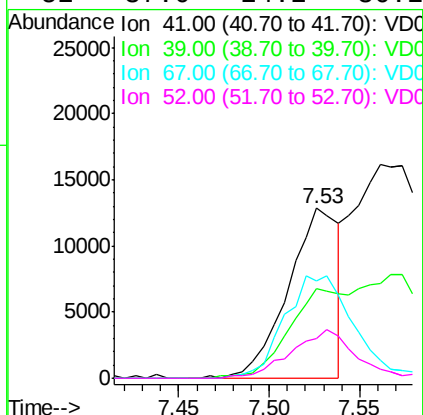
#41
Methacrylonitrile
Concen: 14.728 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.5	48.1	72.1
67	81.5	58.9	88.3
52	37.0	24.2	36.2

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

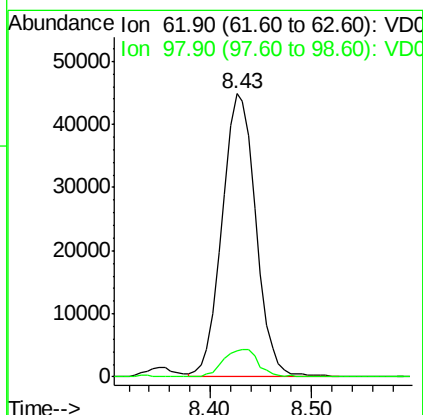
Manual Integrations
APPROVED

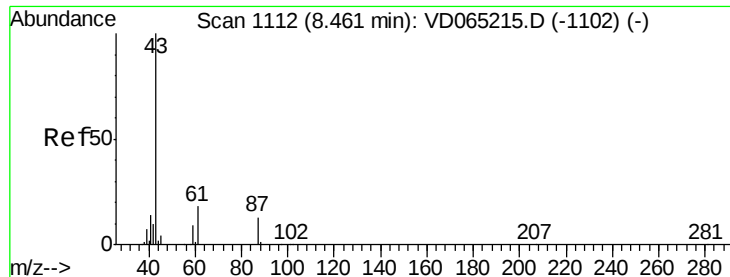
MMDadoda
2/21/2020 5:25:39 PM



#42
1,2-Dichloroethane
Concen: 18.934 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6





#43

Isopropyl Acetate

Concen: 18.611 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

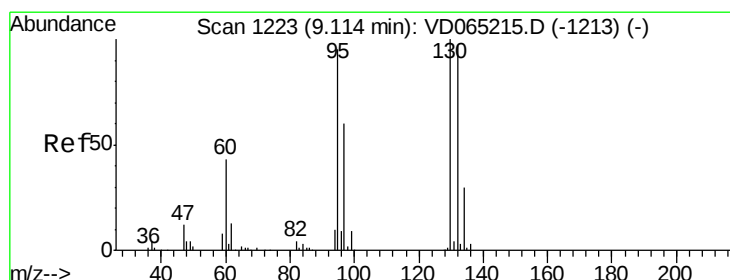
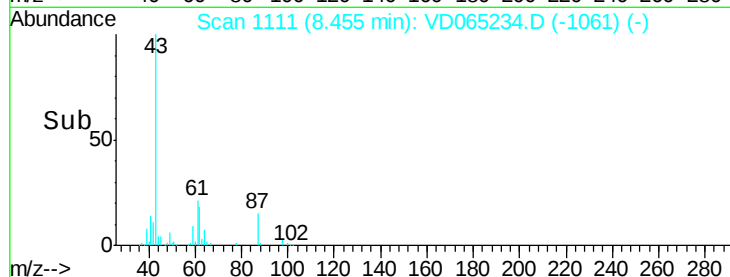
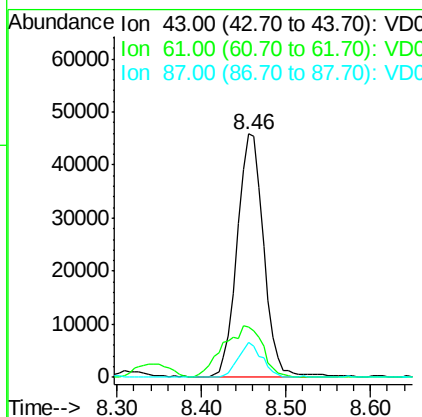
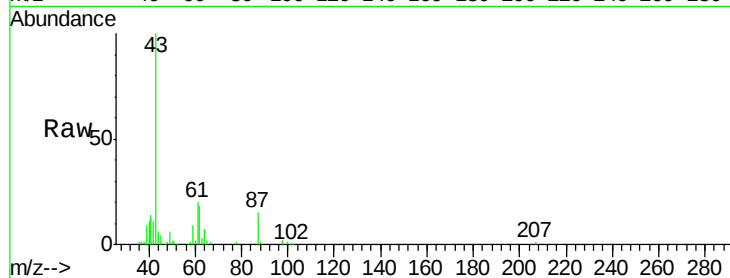
ClientSampleId :

VD0219SBS01

Tot Ion:	43	Resp:	99778
Ion	Ratio	Lower	Upper
43	100		
61	31.3	24.6	36.8
87	12.9	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 18.569 ug/l

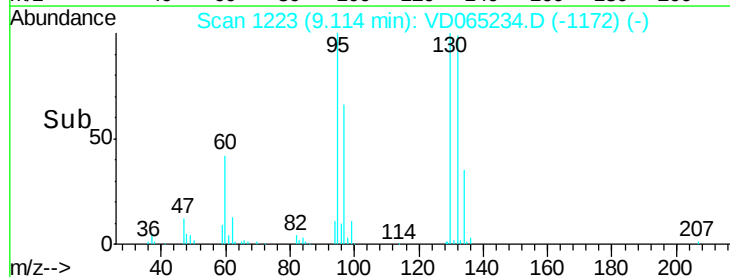
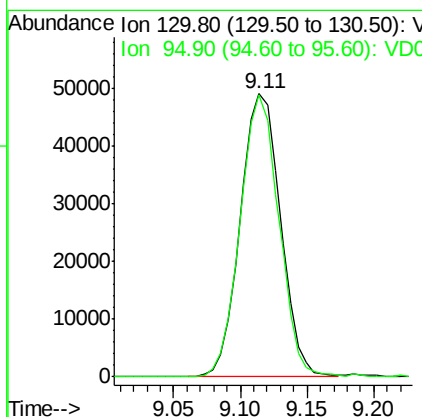
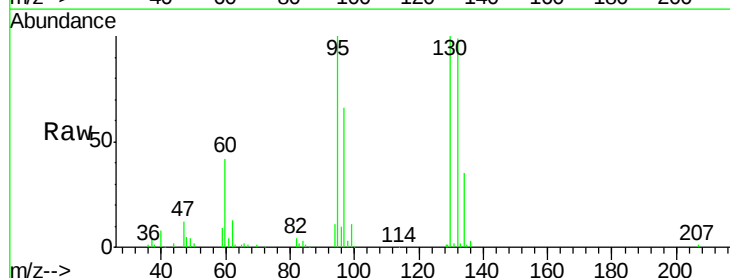
RT: 9.11 min Scan# 1223

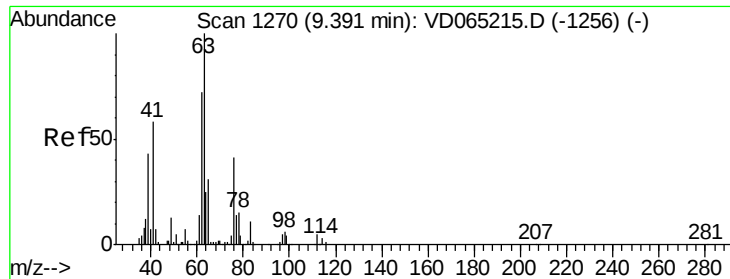
Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Tgt Ion:	130	Resp:	102463
Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	190.6





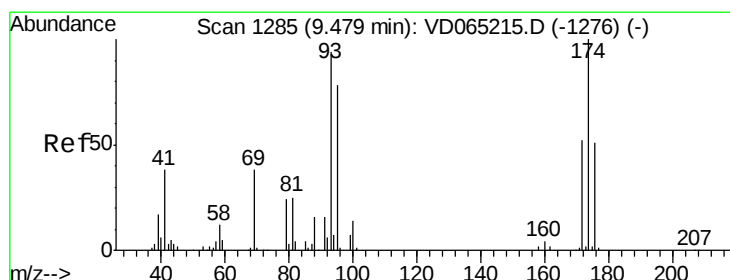
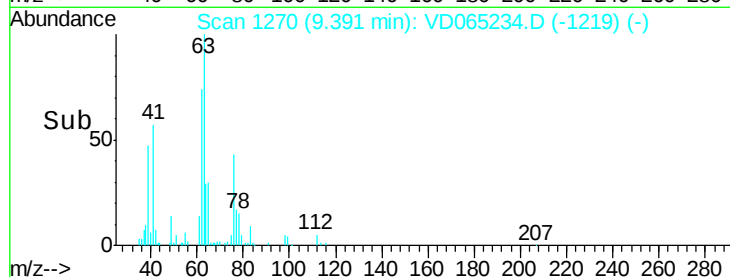
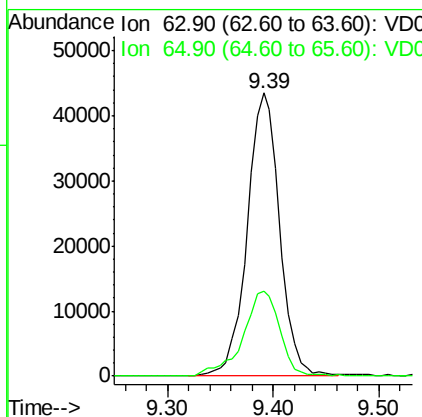
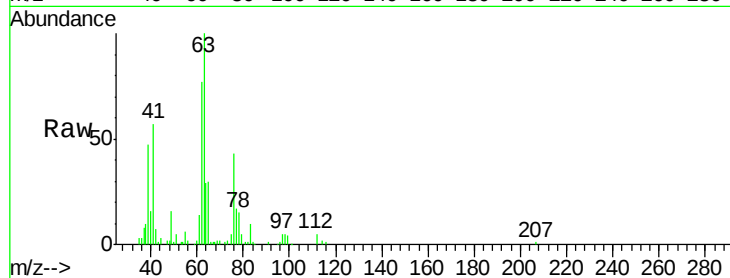
#45
 1,2-Dichloropropane
 Concen: 18.728 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0219SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.9	37.3

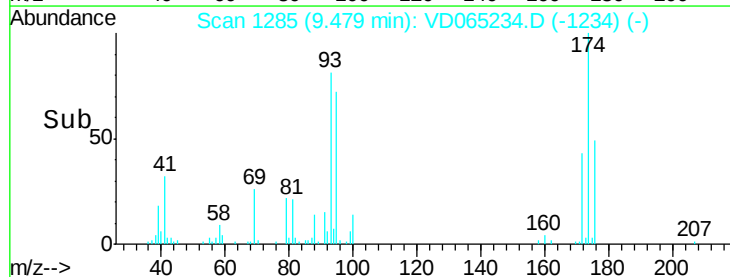
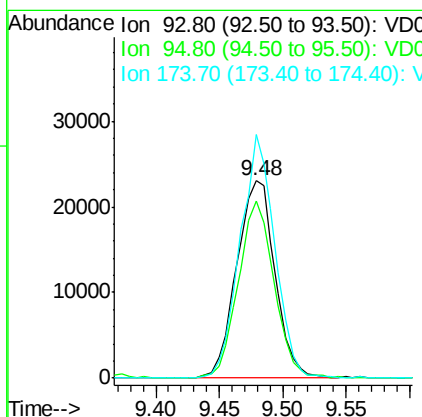
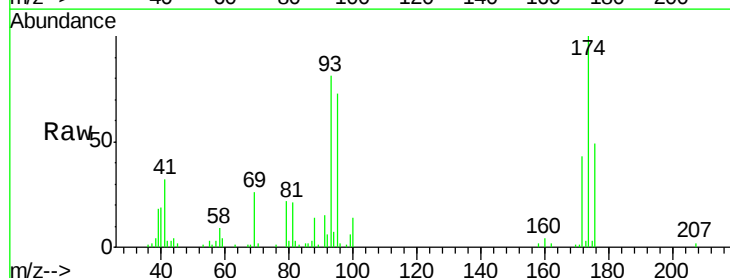
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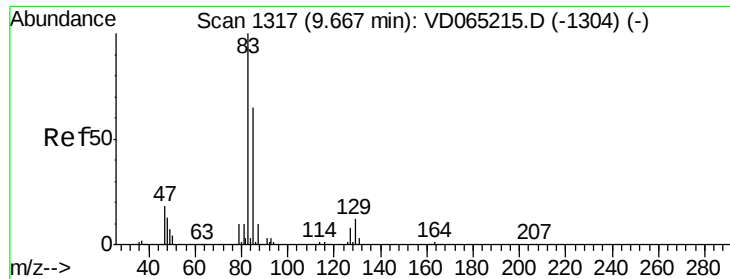
MMDadoda
 2/21/2020 5:25:39 PM



#46
 Dibromomethane
 Concen: 18.949 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	65.8	98.6
174	111.6	86.8	130.2





#47

Bromodichloromethane

Concen: 18.701 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

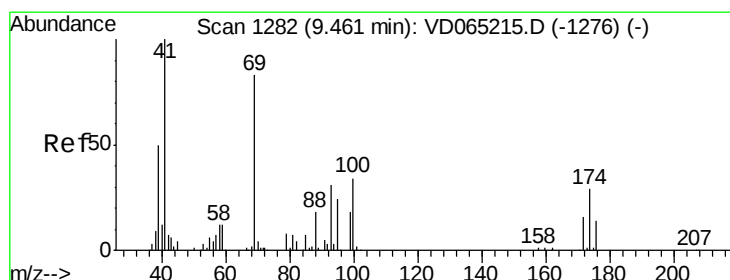
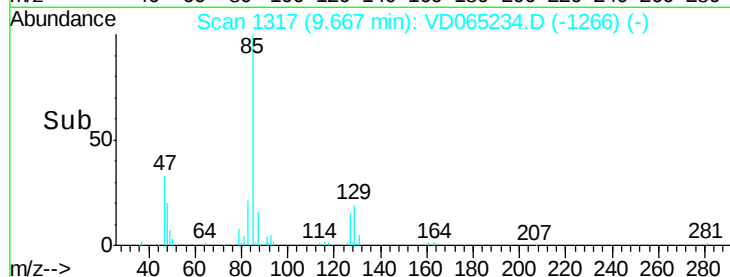
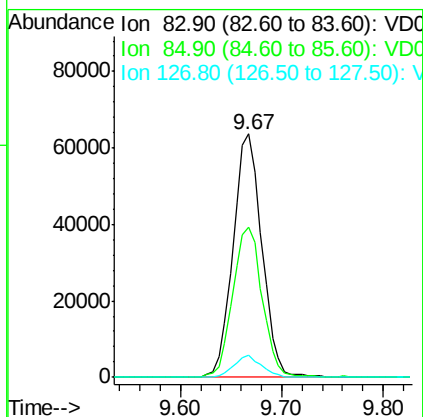
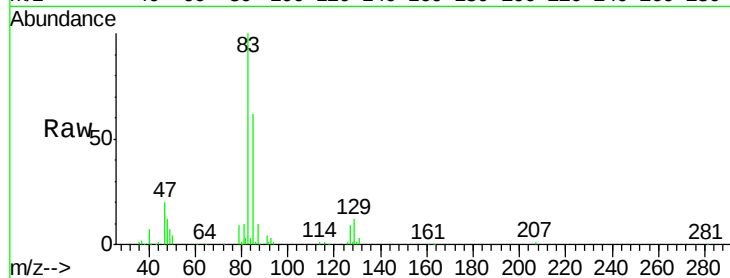
ClientSampleId :

VD0219SBS01

Tot Ion:	83	Resp:	125513
Ion Ratio	Lower	Upper	
83	100		
85	61.8	52.0	78.0
127	9.3	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.437 ug/l

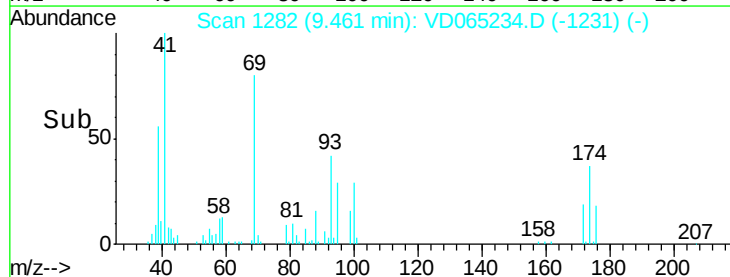
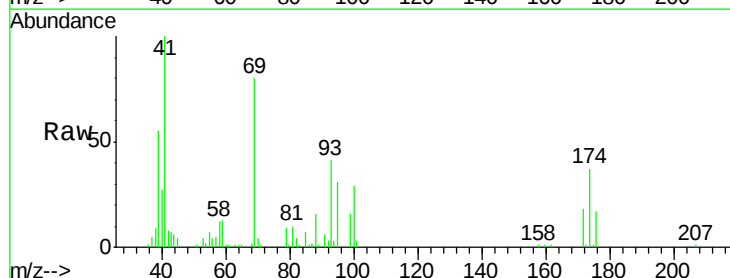
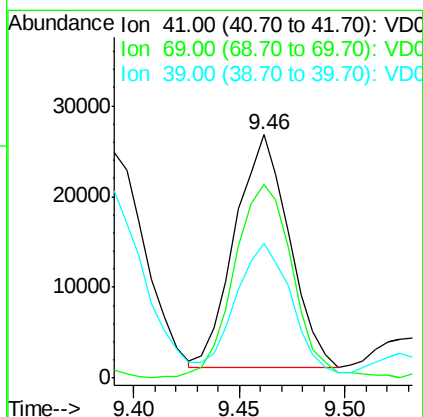
RT: 9.46 min Scan# 1282

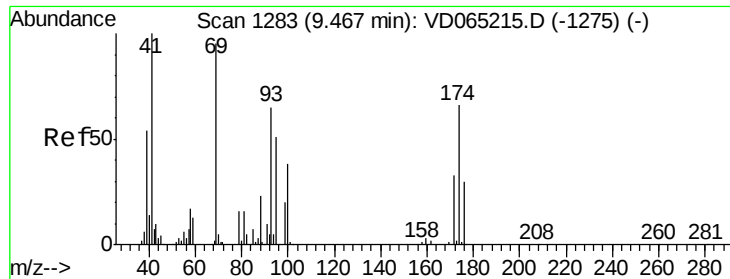
Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Tgt Ion:	41	Resp:	45689
Ion Ratio	Lower	Upper	
41	100		
69	90.3	68.2	102.2
39	55.3	42.0	63.0





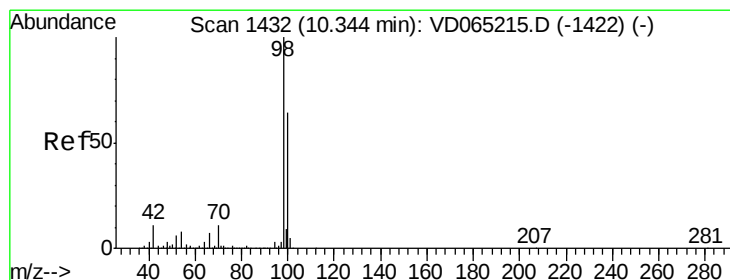
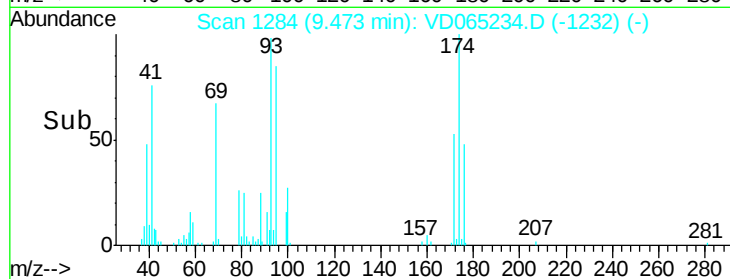
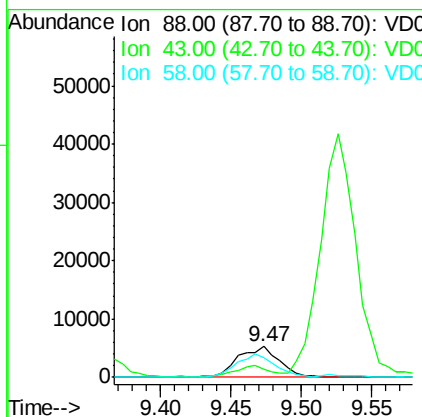
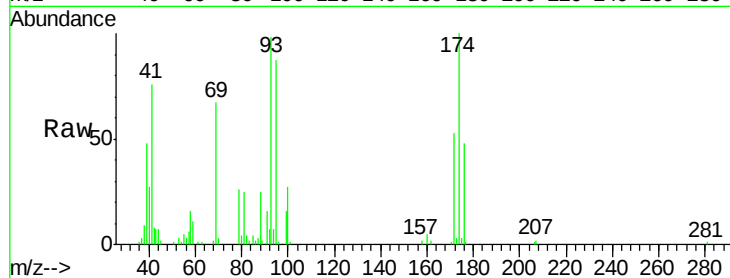
#49
1,4-Dioxane
Concen: 364.046 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	28.5	42.7
58	70.6	58.6	87.8

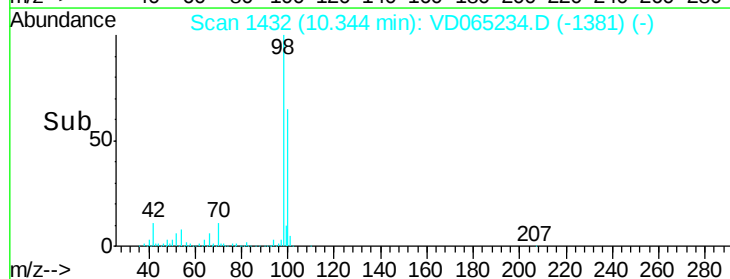
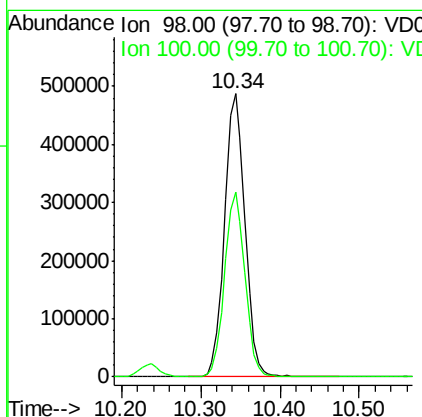
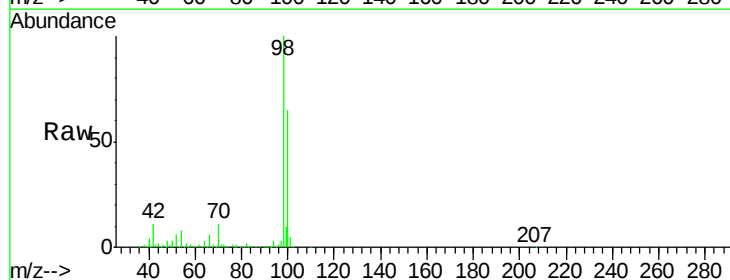
Manual Integrations
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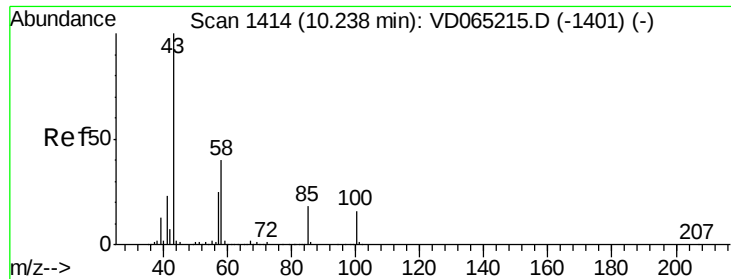
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#50
Toluene-d8
Concen: 51.610 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0





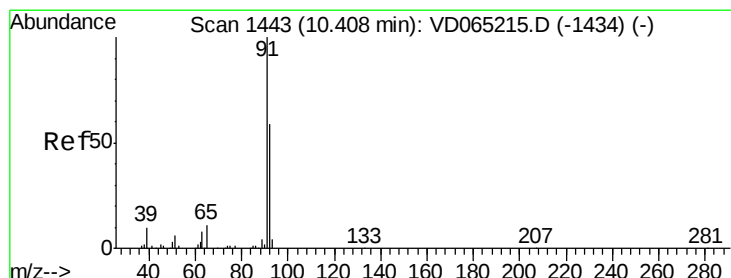
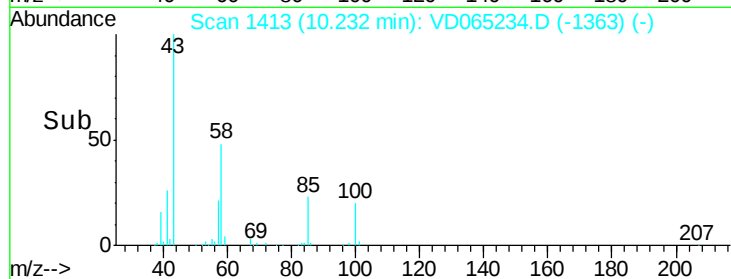
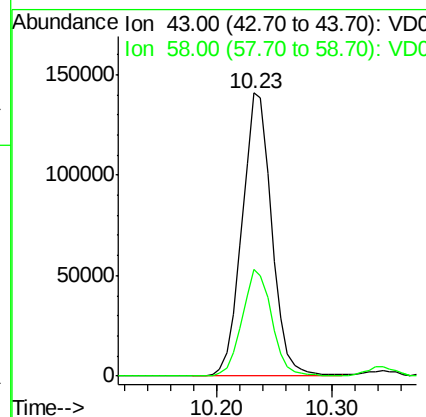
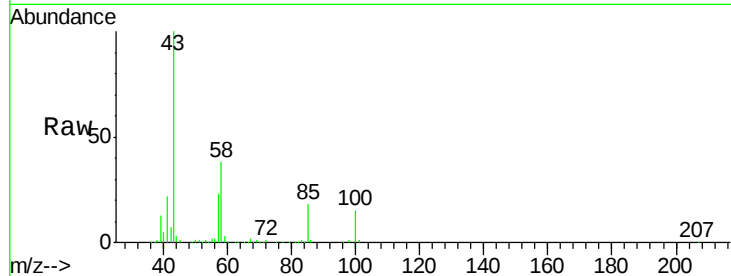
#51
4-Methyl-2-Pentanone
Concen: 92.028 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	43	58	Ratio	Lower	Upper
250597	100	37.8		31.1	46.7

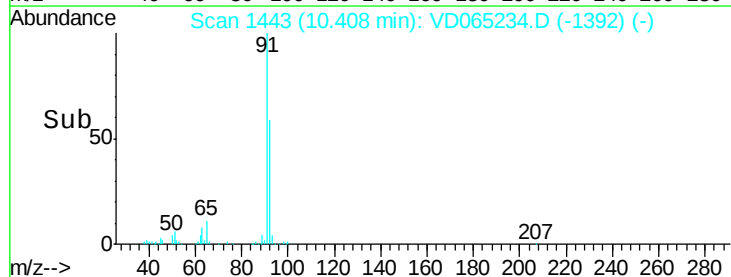
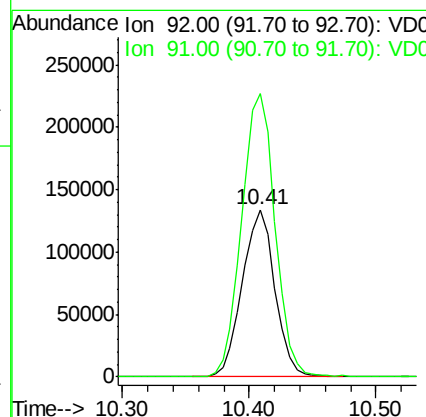
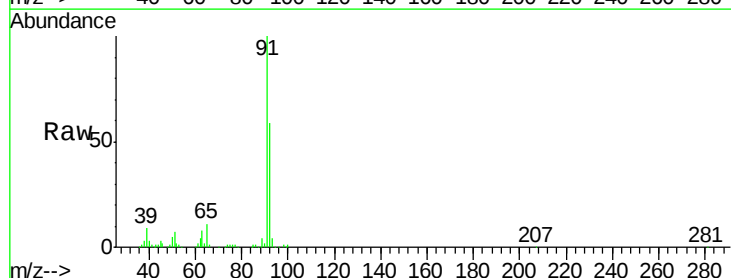
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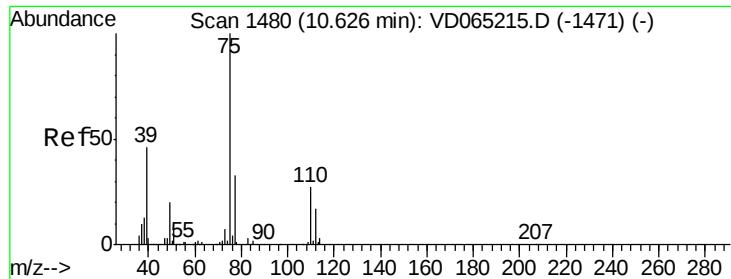
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#52
Toluene
Concen: 19.430 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion	92	91	Ratio	Lower	Upper
239401	100	173.5		136.3	204.5





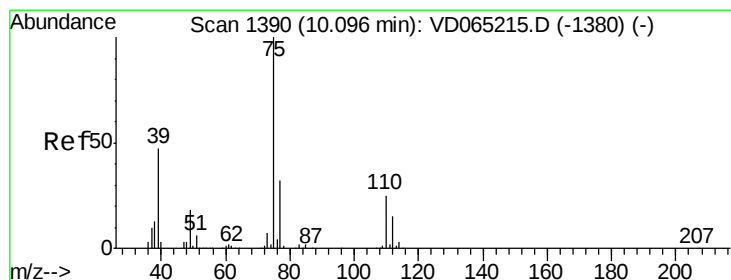
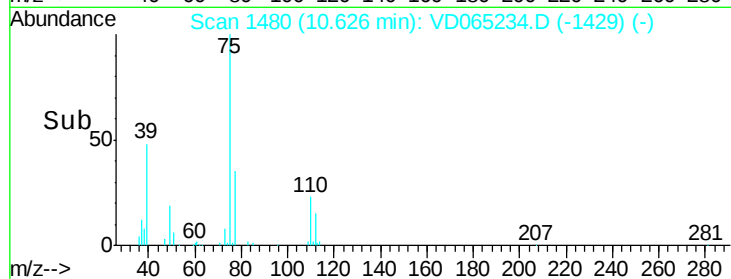
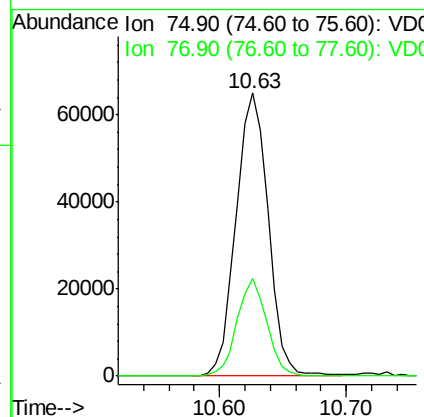
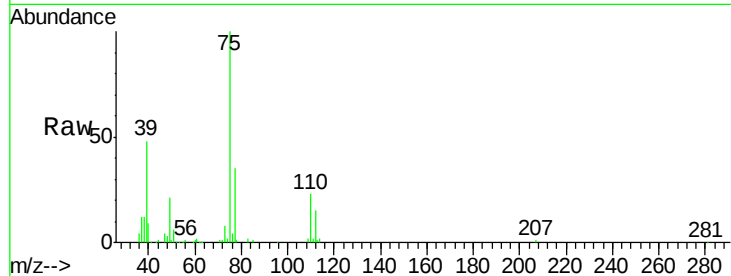
#53
 t-1,3-Dichloropropene
 Concen: 18.376 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0219SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.5	26.6	40.0

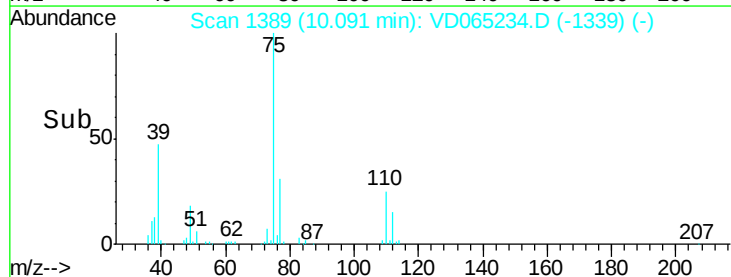
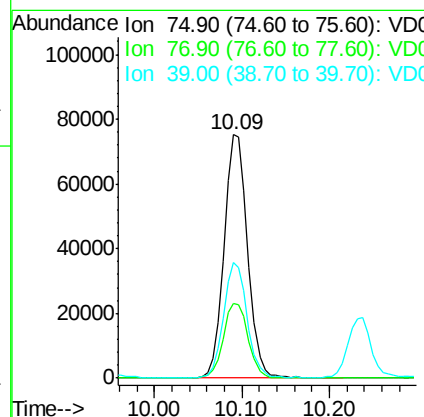
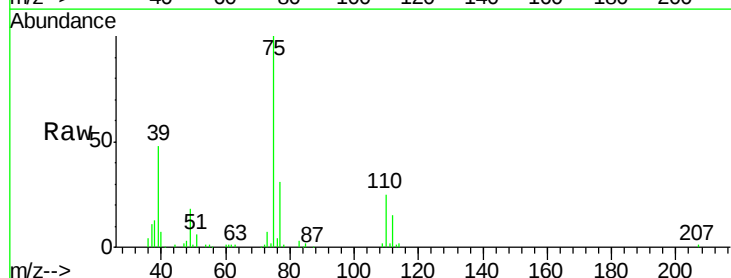
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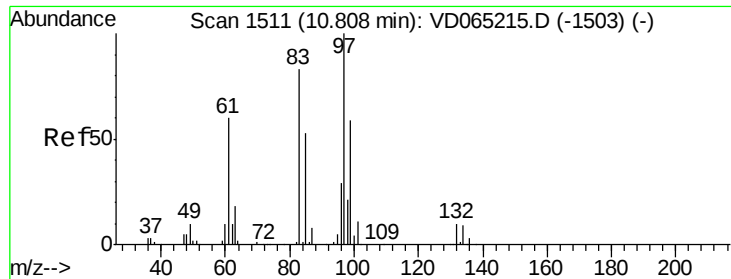
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#54
 cis-1,3-Dichloropropene
 Concen: 18.591 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.8	38.8
39	47.7	37.3	55.9





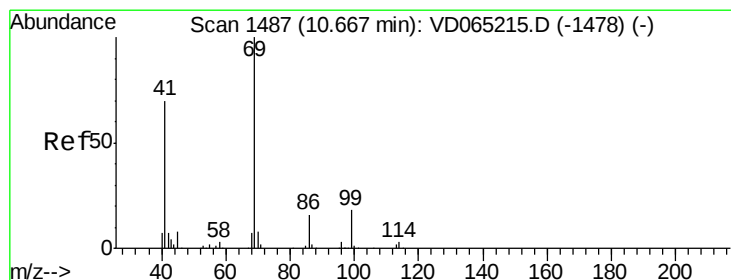
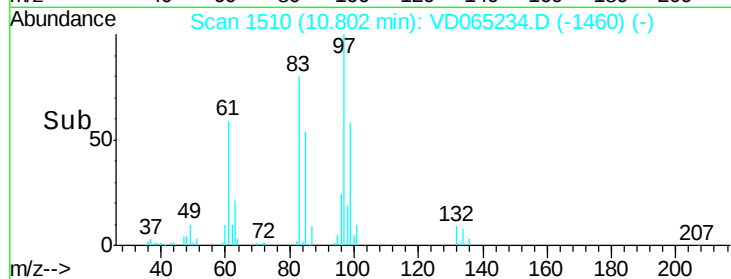
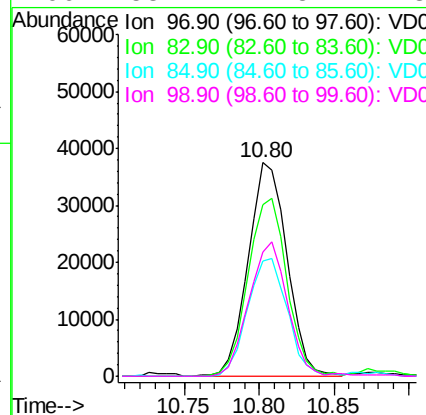
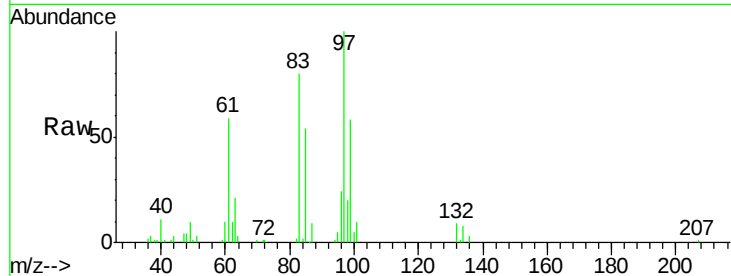
#55
 1,1,2-Trichloroethane
 Concen: 18.837 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0219SBS01

Tot Ion:	97	Resp:	67523
Ion	Ratio	Lower	Upper
97	100		
83	80.1	66.7	100.1
85	54.1	42.4	63.6
99	58.1	47.5	71.3

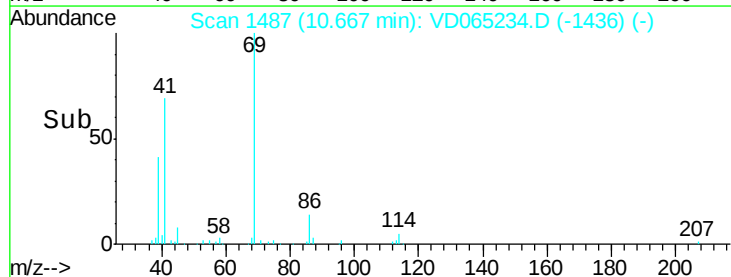
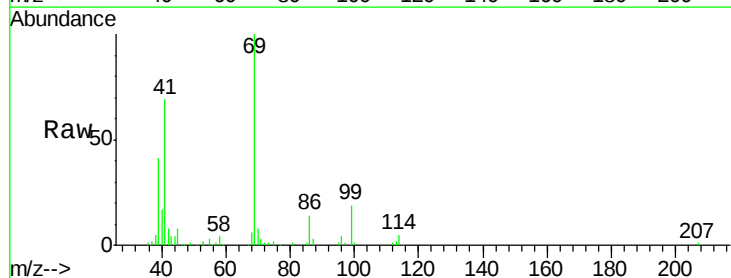
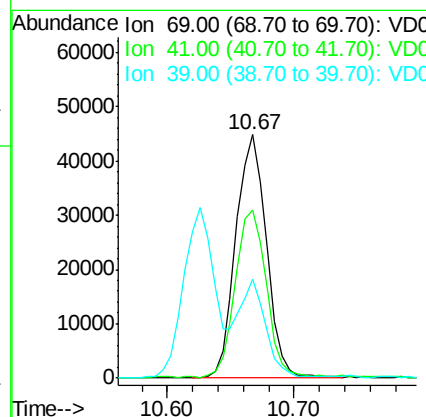
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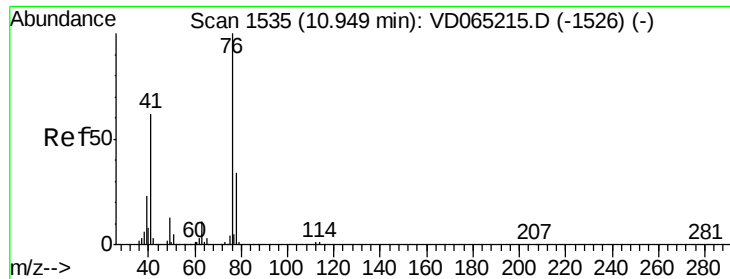
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#56
 Ethyl methacrylate
 Concen: 18.096 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Tgt Ion:	69	Resp:	74869
Ion	Ratio	Lower	Upper
69	100		
41	68.8	54.6	81.8
39	34.2	26.5	39.7





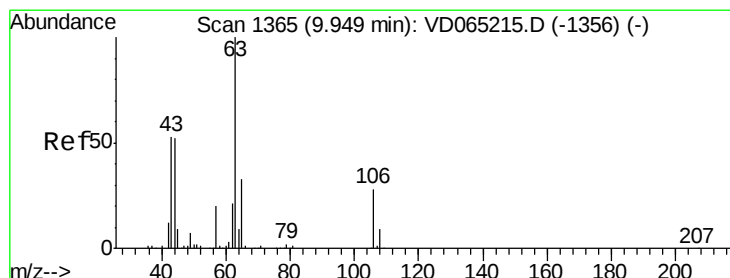
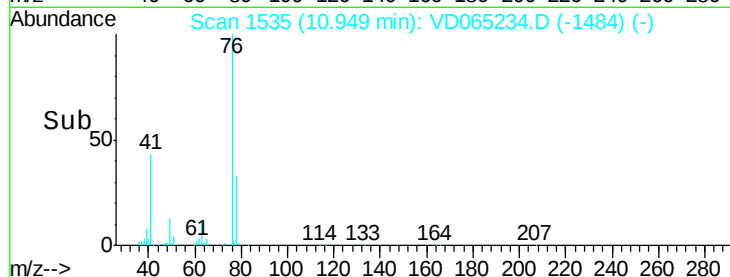
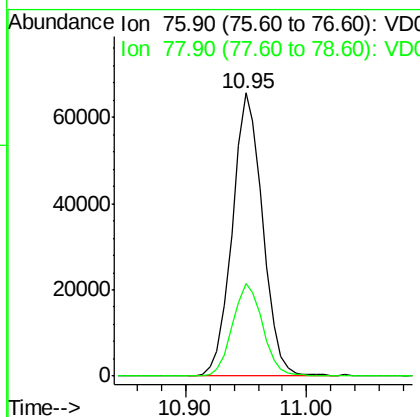
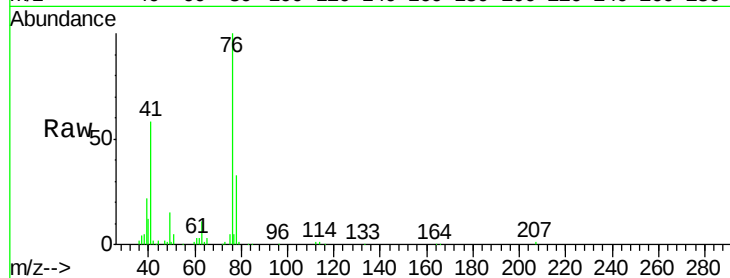
#57
 1,3-Dichloropropane
 Concen: 18.835 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0219SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.3	39.5

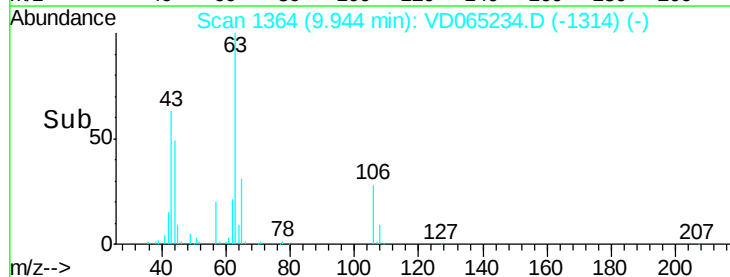
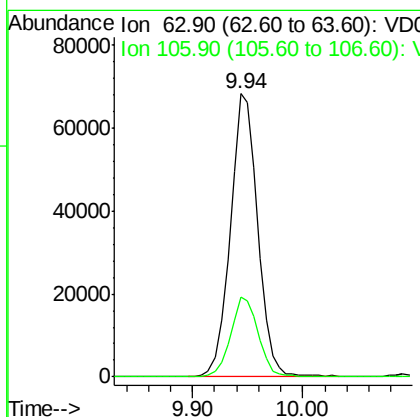
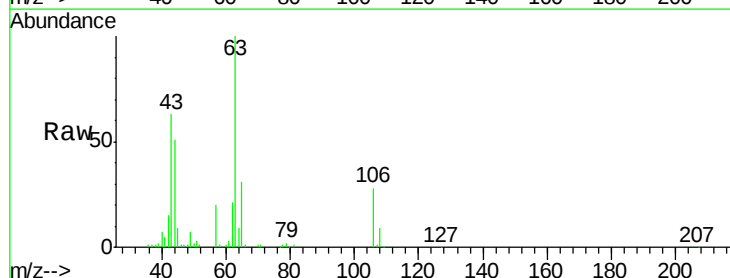
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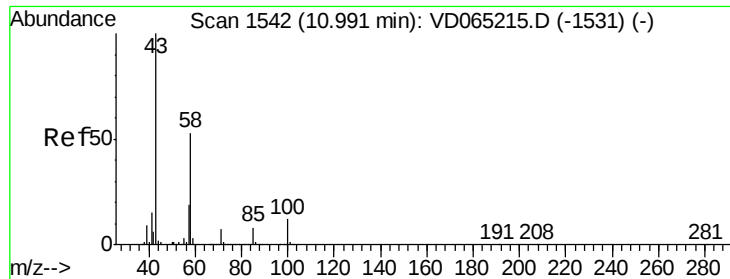
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#58
 2-Chloroethyl Vinyl ether
 Concen: 90.892 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.3	22.8	34.2





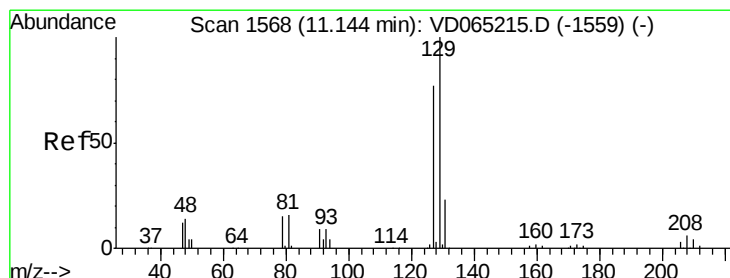
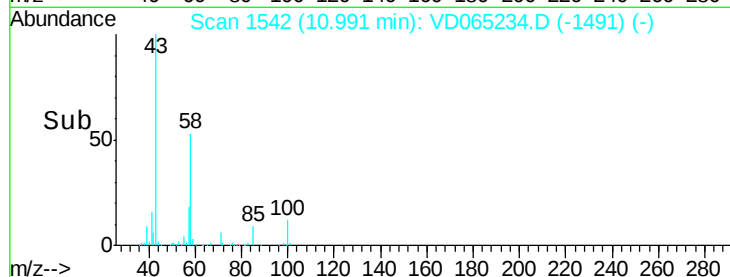
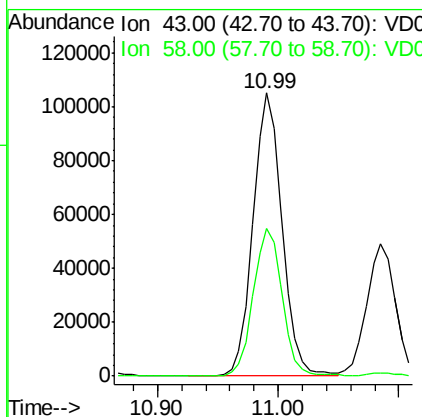
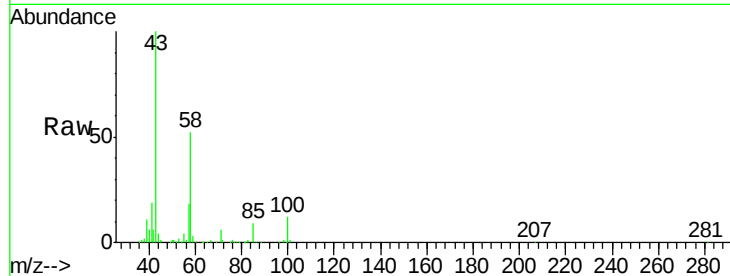
#59
2-Hexanone
Concen: 90.765 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion: 43 Resp: 176926
Ion Ratio Lower Upper
43 100
58 52.1 26.3 78.8

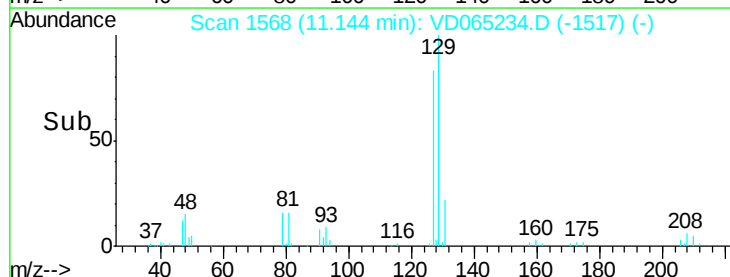
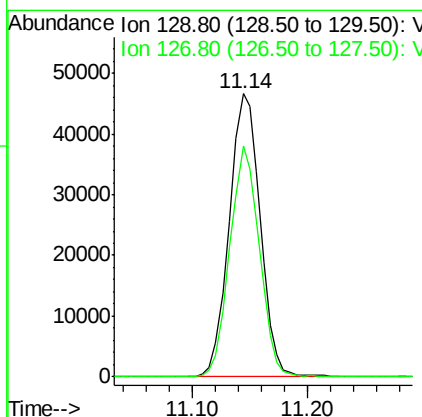
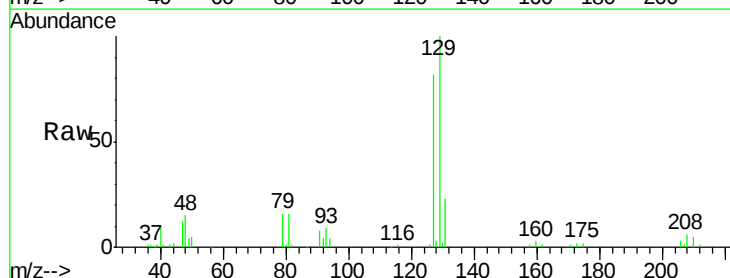
Manual Integrations
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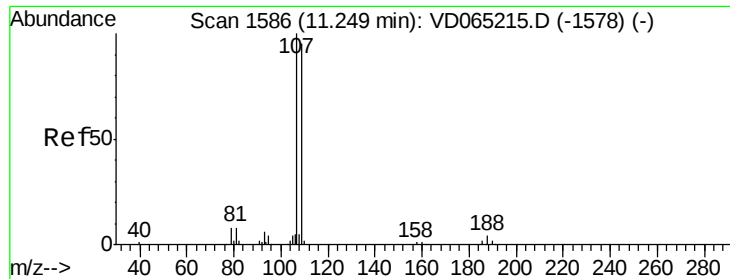
MMDadoda
2/21/2020 5:25:39 PM



#60
Dibromochloromethane
Concen: 18.865 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion: 129 Resp: 86555
Ion Ratio Lower Upper
129 100
127 78.1 38.7 116.1





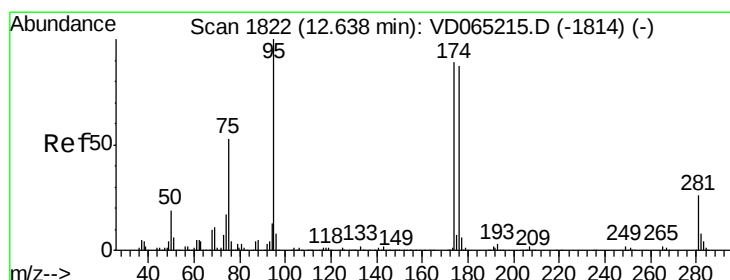
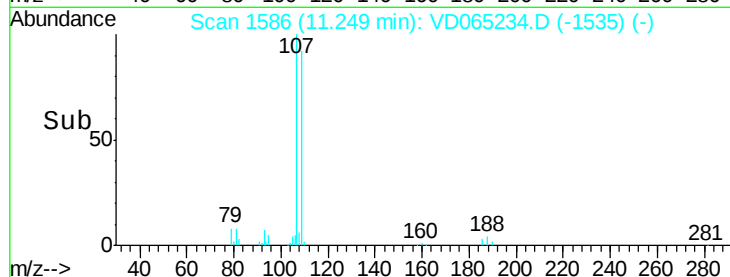
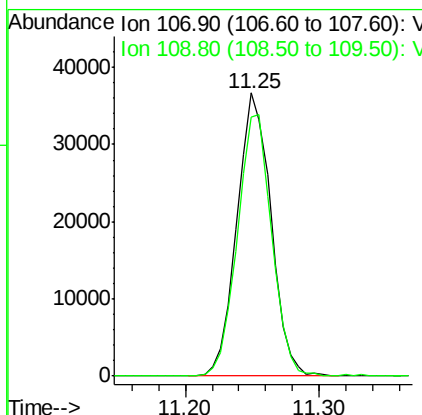
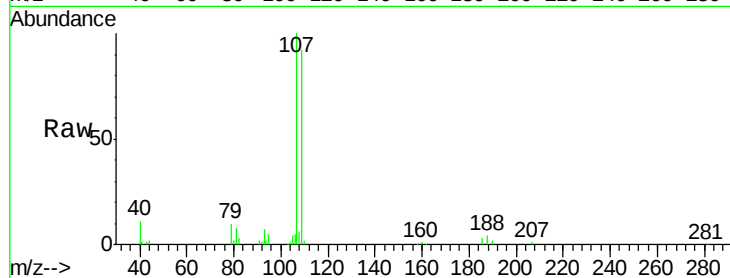
#61
 1,2-Dibromoethane
 Concen: 19.056 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0219SBS01

Tot Ion: 107 Resp: 64675
 Ion Ratio Lower Upper
 107 100
 109 93.1 76.2 114.4

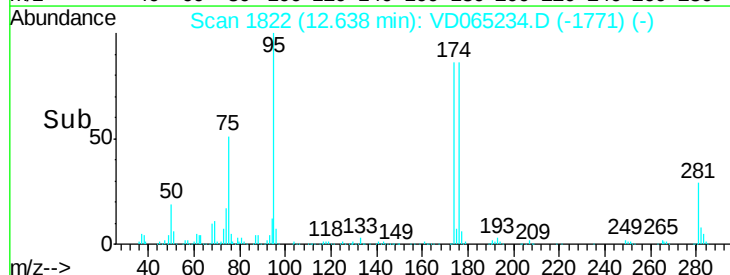
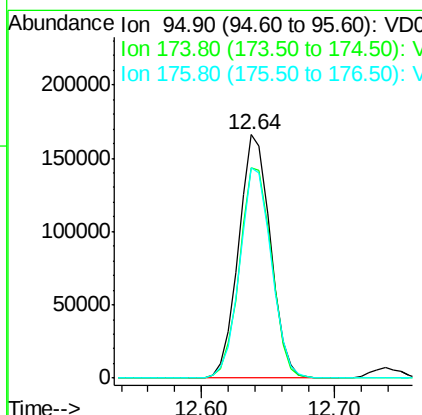
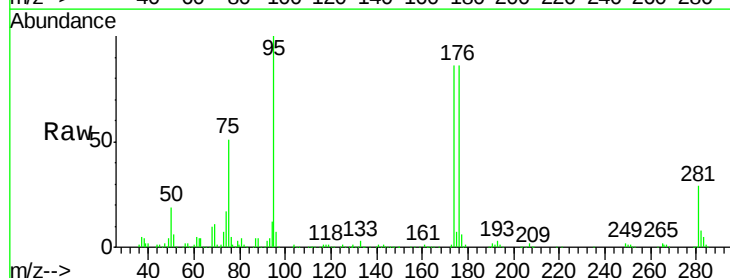
Manual Integrations
 APPROVED

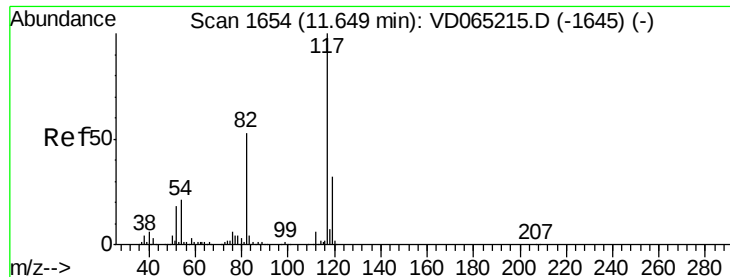
MMDadoda
 2/21/2020 5:25:39 PM



#62
 4-Bromofluorobenzene
 Concen: 51.049 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Tgt Ion: 95 Resp: 273227
 Ion Ratio Lower Upper
 95 100
 174 86.9 0.0 178.0
 176 85.7 0.0 174.4





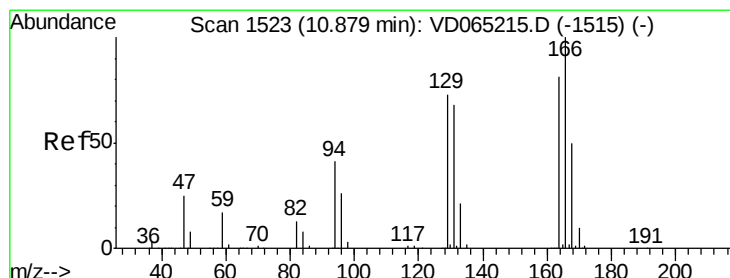
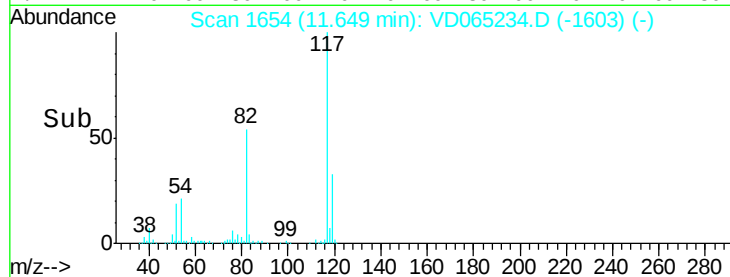
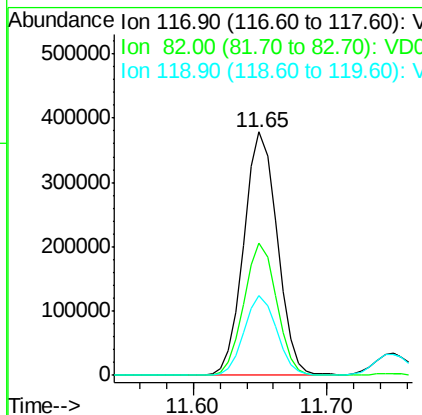
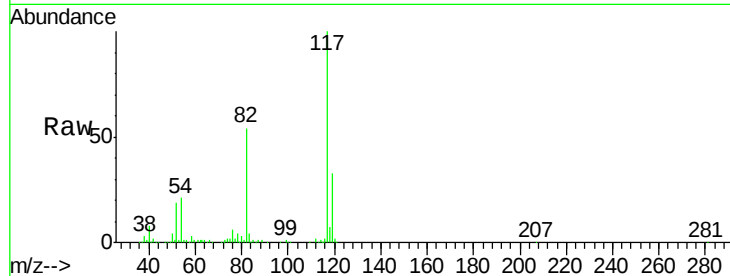
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	42.7	64.1
119	32.9	25.5	38.3

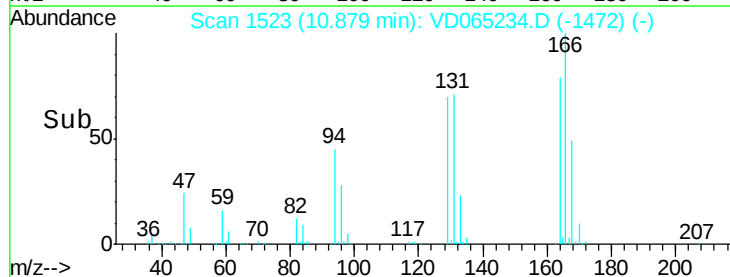
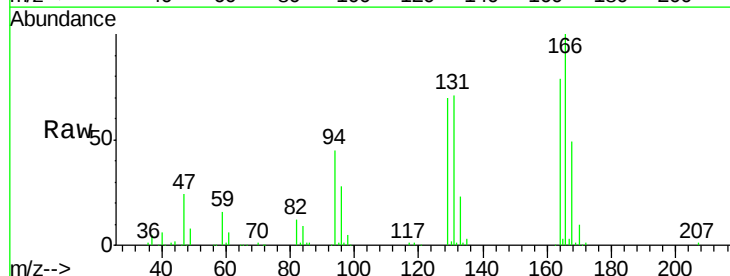
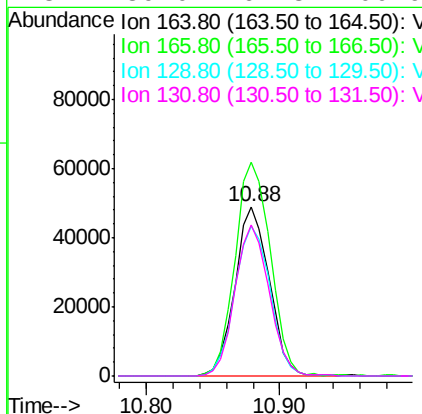
Manual Integrations
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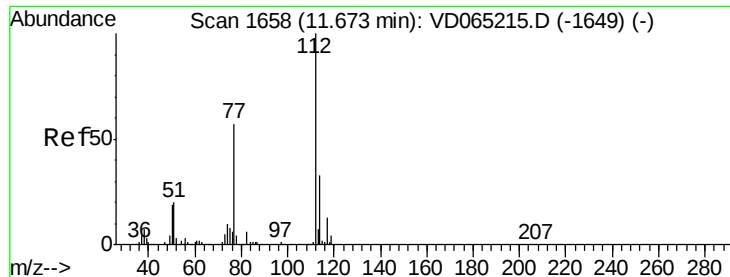
MMDadoda
2/21/2020 5:25:39 PM



#64
Tetrachloroethene
Concen: 18.769 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	98.4	147.6
129	88.2	71.6	107.4
131	89.0	67.3	100.9





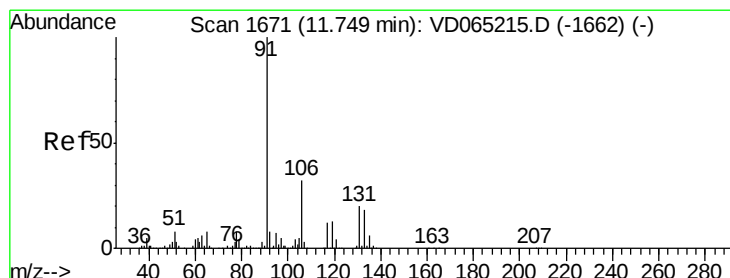
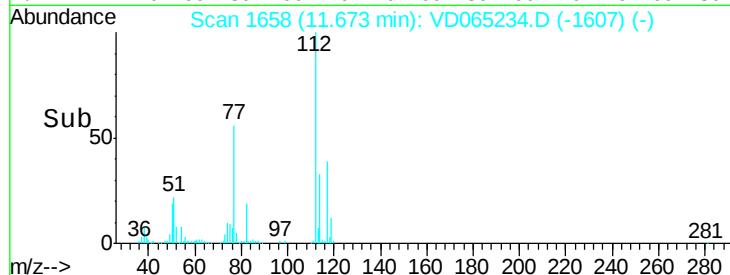
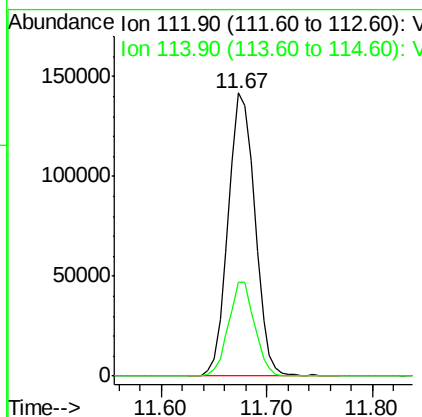
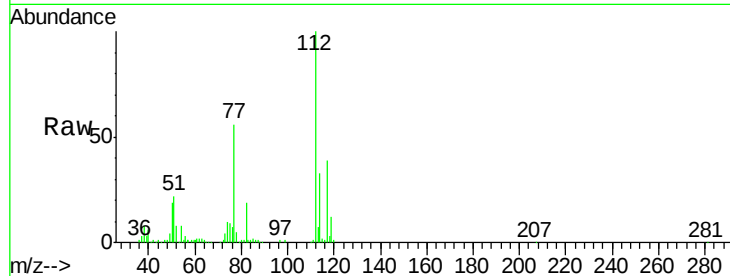
#65
Chlorobenzene
Concen: 18.935 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion:112 Resp: 249009
Ion Ratio Lower Upper
112 100
114 33.3 26.4 39.6

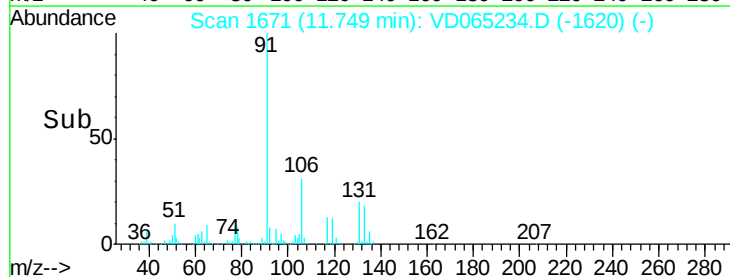
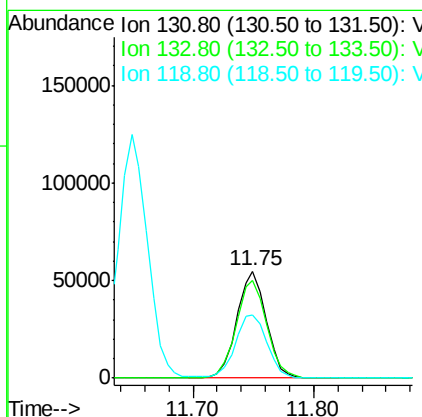
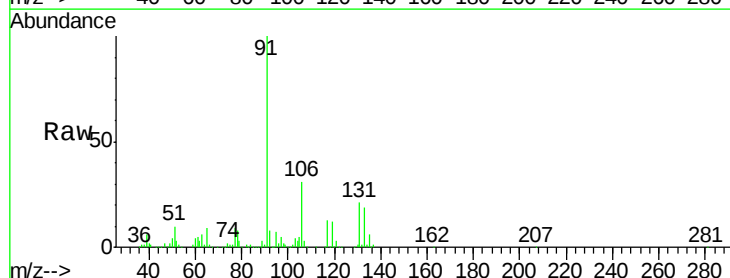
Manual Integrations
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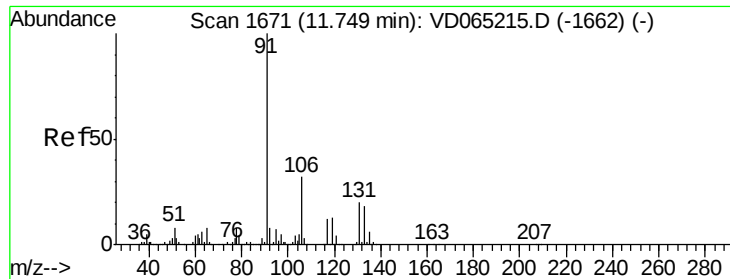
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.968 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion:131 Resp: 93087
Ion Ratio Lower Upper
131 100
133 95.2 47.7 143.1
119 64.5 32.7 98.1





#67

Ethyl Benzene

Concen: 18.979 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD0219SBS01

Tot Ion: 91 Resp: 437120

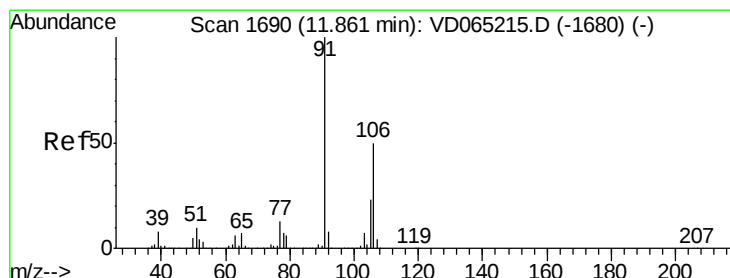
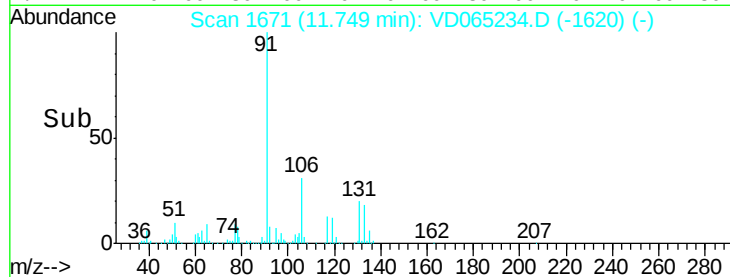
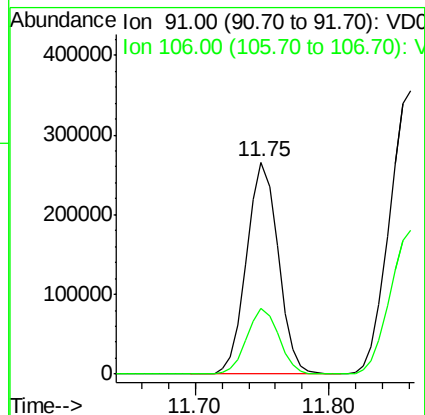
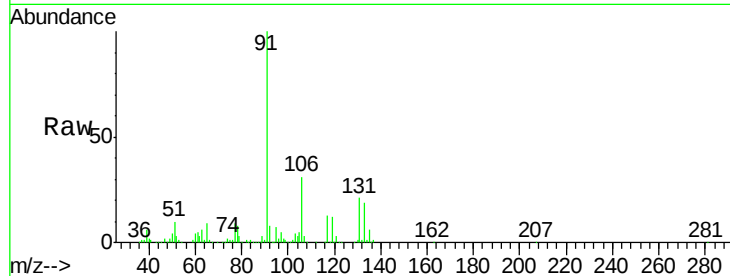
Ion Ratio Lower Upper

91 100

106 30.9 25.2 37.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 38.555 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065234.D

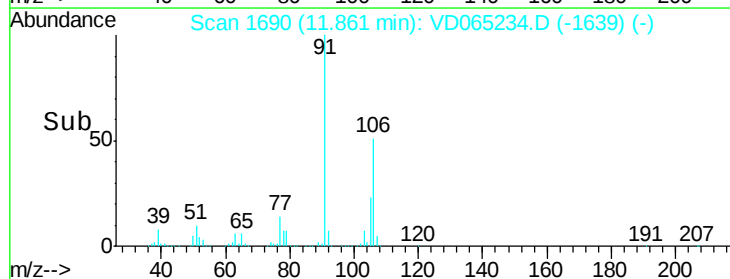
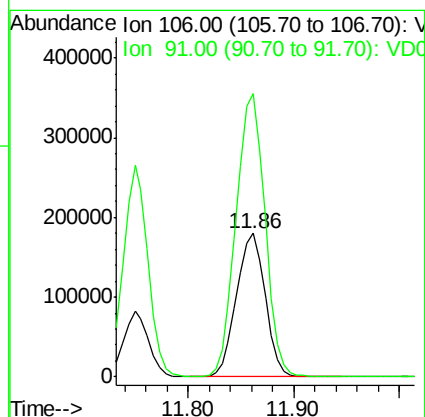
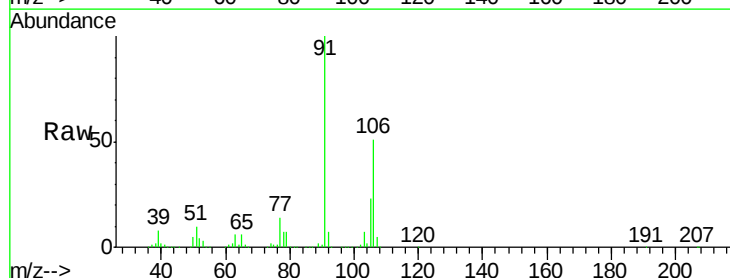
Acq: 19 Feb 2020 13:01

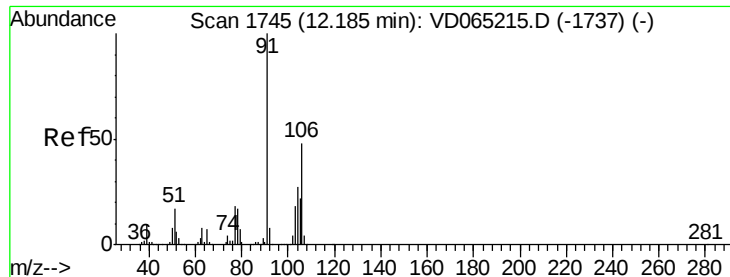
Tgt Ion: 106 Resp: 339743

Ion Ratio Lower Upper

106 100

91 198.8 158.2 237.4





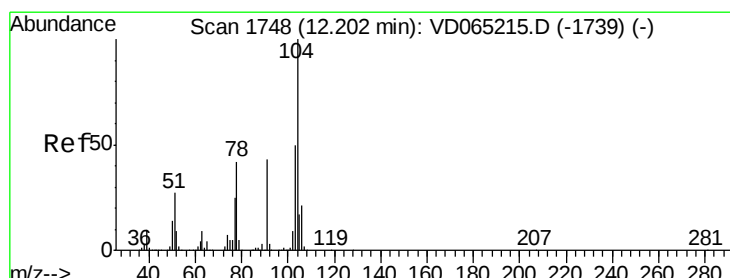
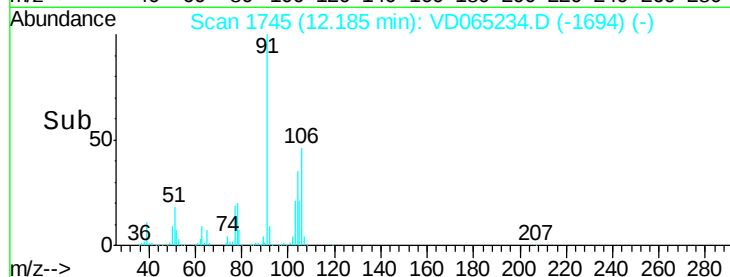
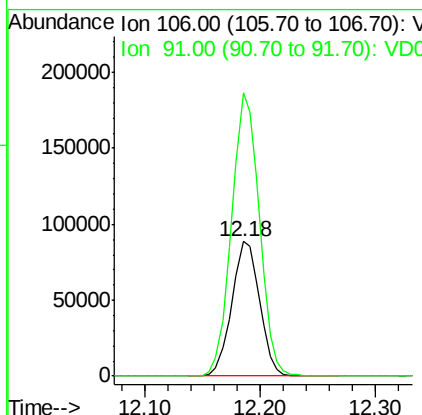
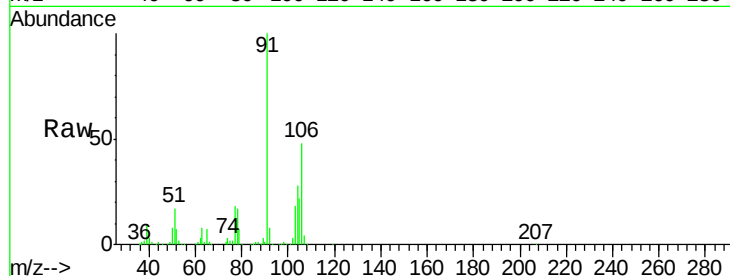
#69
o-Xylene
Concen: 19.037 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.4	104.7	313.9

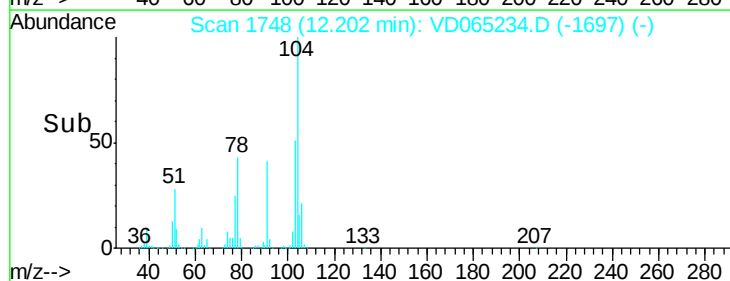
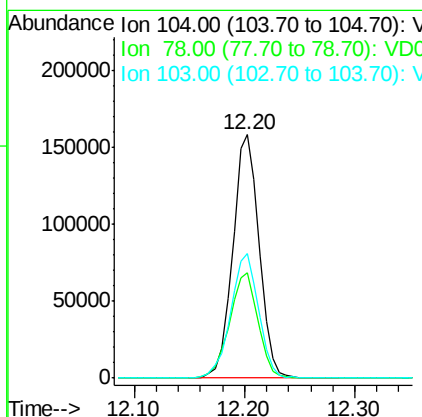
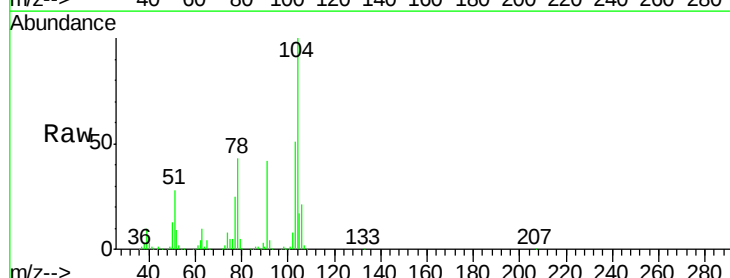
Manual Integrations
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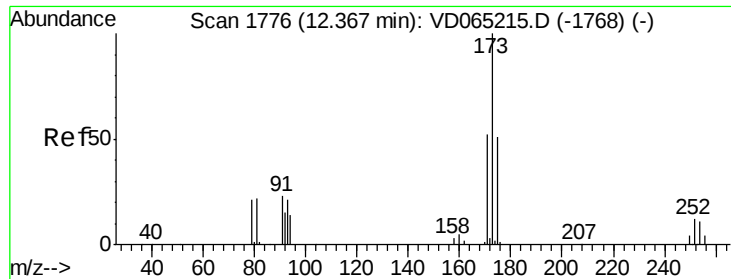
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#70
Styrene
Concen: 19.108 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.8	37.8	56.6
103	54.4	43.4	65.2





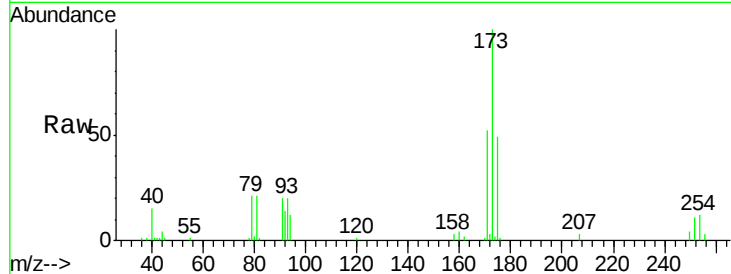
#71
Bromoform
Concen: 18.050 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

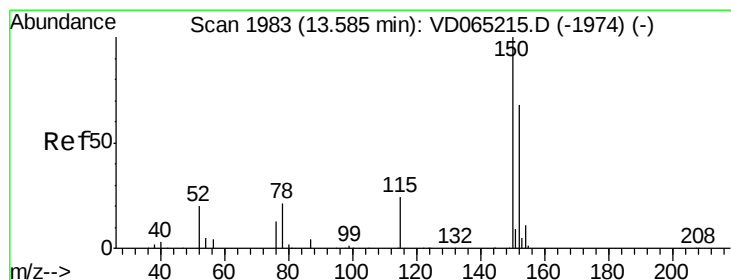
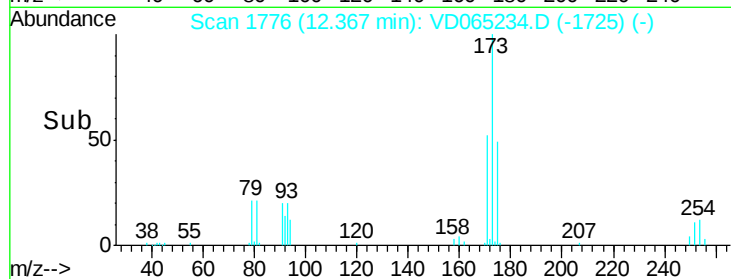
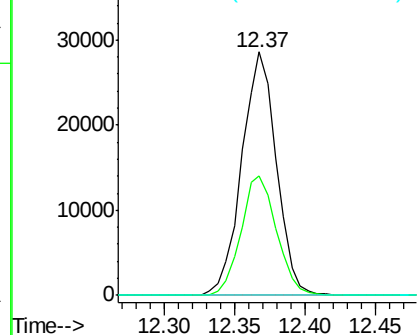
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	24.4	73.4
254	0.0	0.0	0.0

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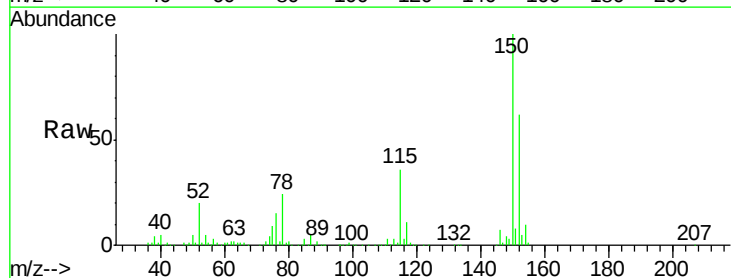


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

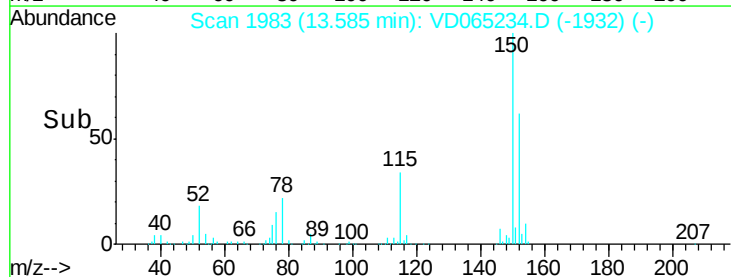
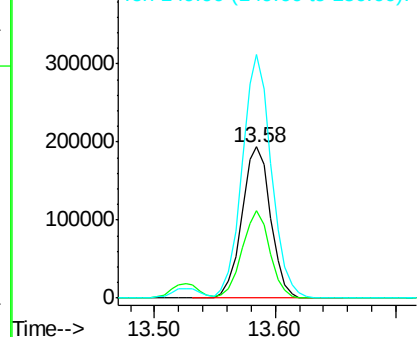


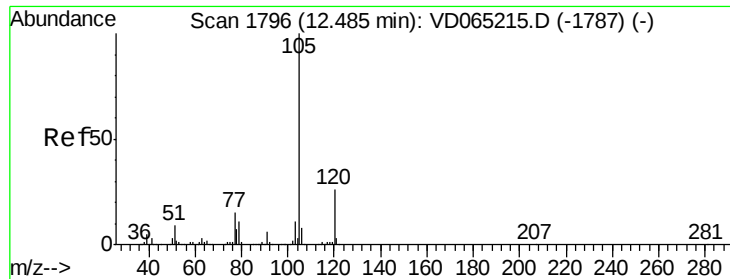
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	27.6	82.8
150	162.8	0.0	347.4



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





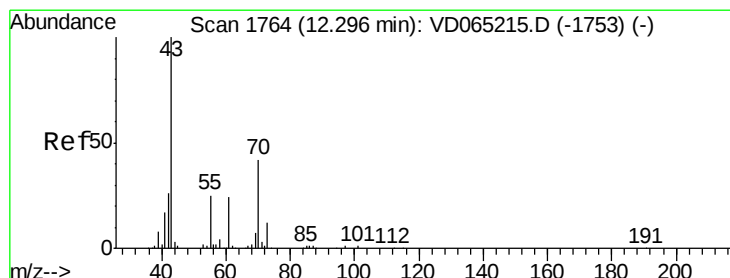
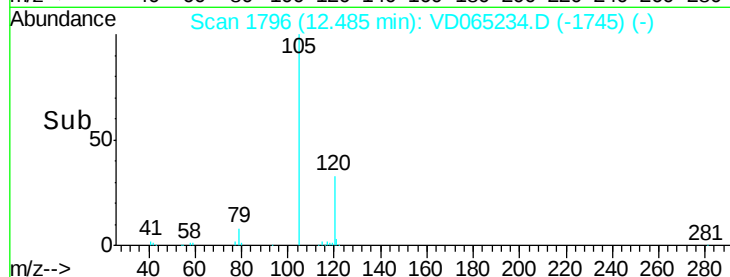
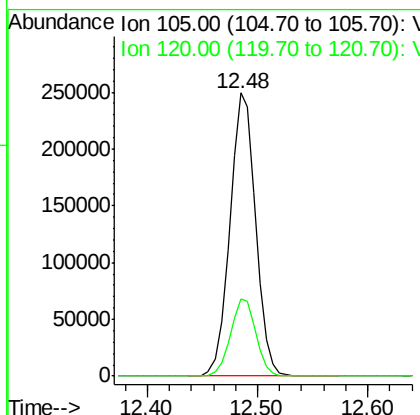
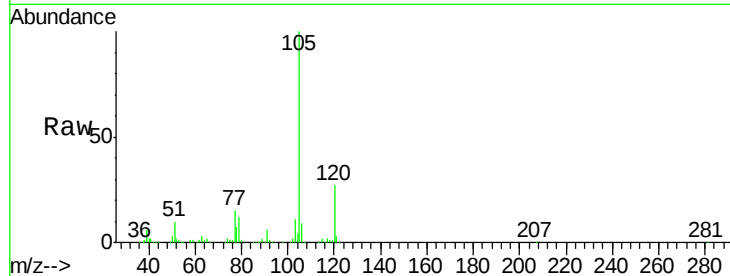
#73
Isopropylbenzene
Concen: 19.081 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.3	39.9

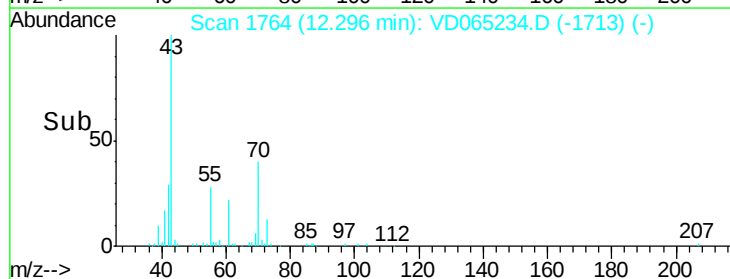
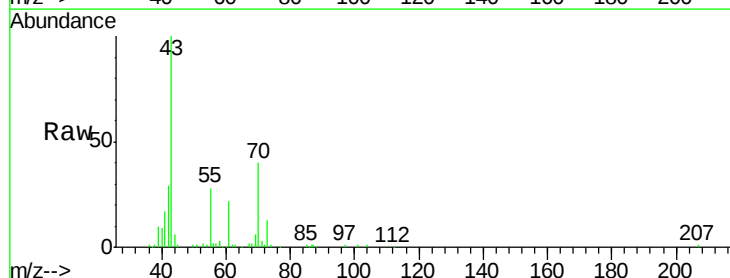
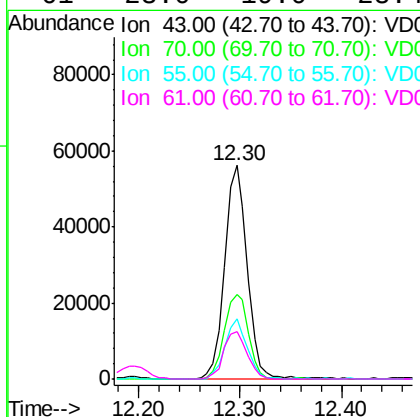
Manual Integrations
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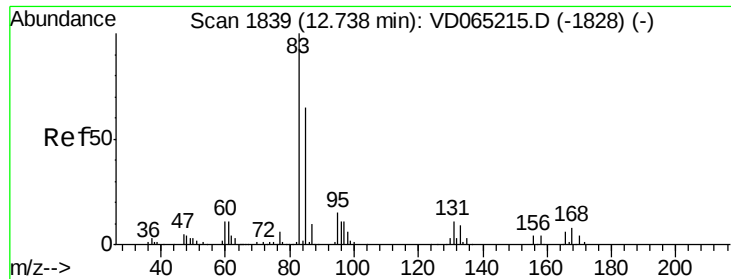
MMDadoda
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#74
N-ethyl acetate
Concen: 18.271 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.7	33.7	50.5
55	27.6	20.7	31.1
61	23.0	19.0	28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 18.429 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

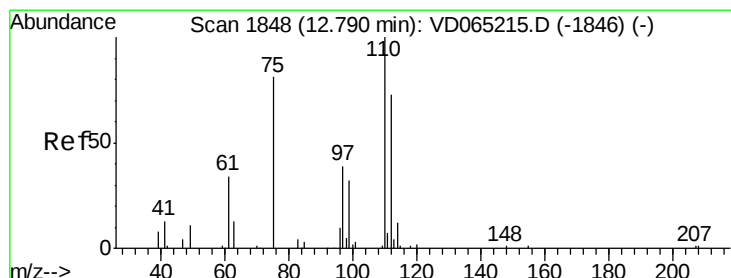
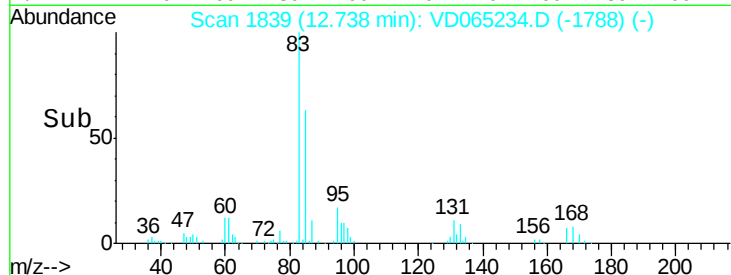
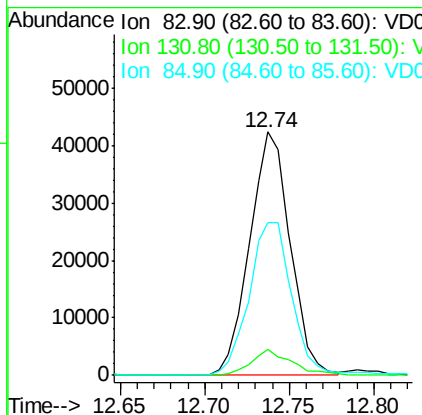
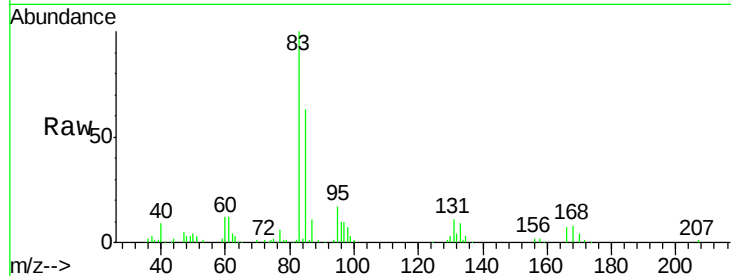
ClientSampleId :

VD0219SBS01

Tot Ion:	83	Resp:	70770
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.4	16.2
85	65.8	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.532 ug/l m

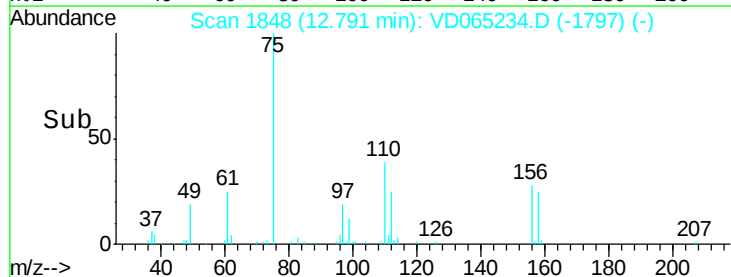
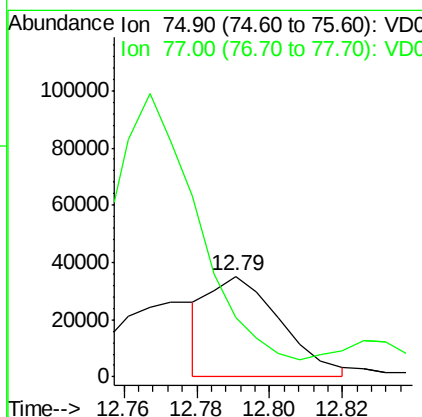
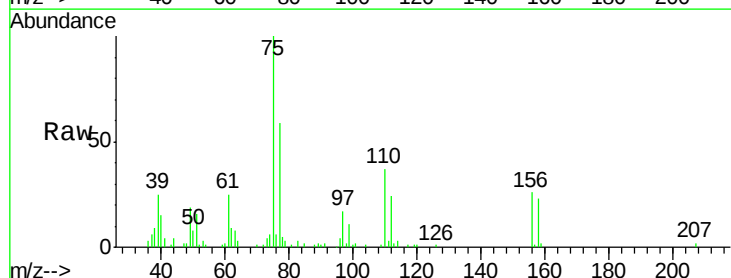
RT: 12.79 min Scan# 1848

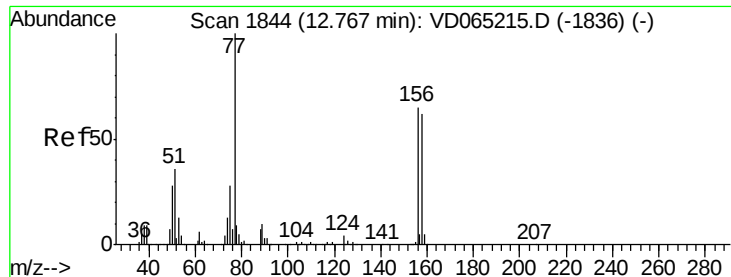
Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Tgt Ion:	75	Resp:	47943
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.329 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

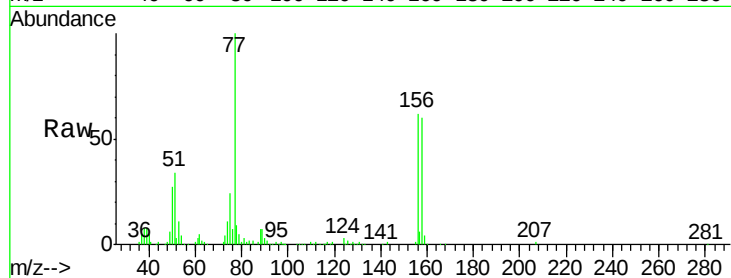
ClientSampleId :

VD0219SBS01

Tot Ion:	156	Resp:	102130
Ion Ratio	Lower	Upper	
156	100		
77	171.7	86.6	259.7
158	96.4	48.1	144.3

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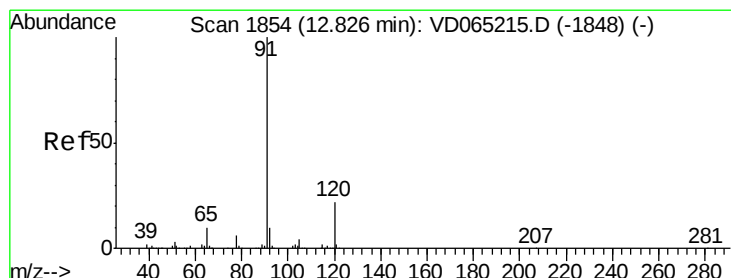
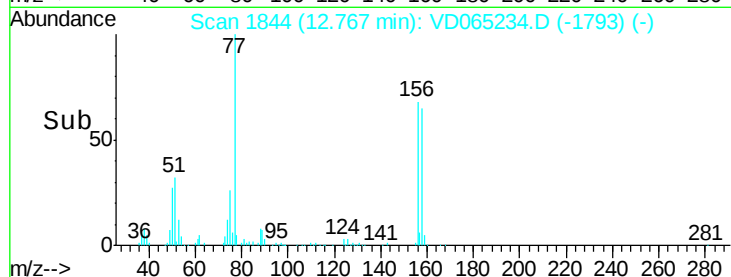
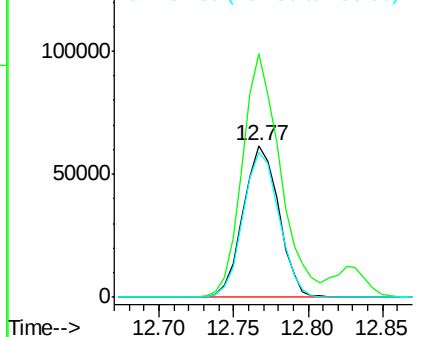
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.464 ug/l

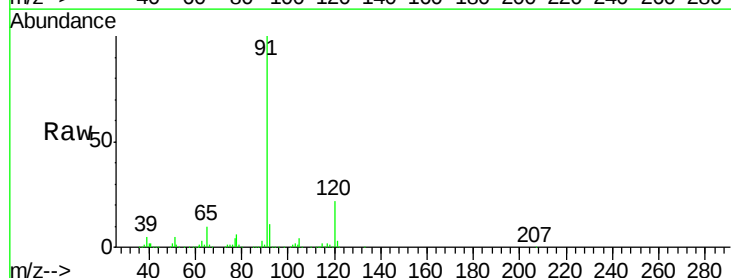
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065234.D

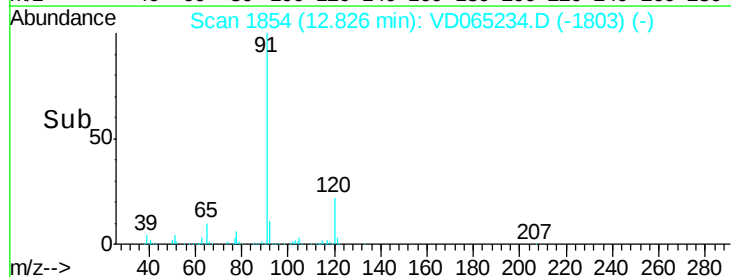
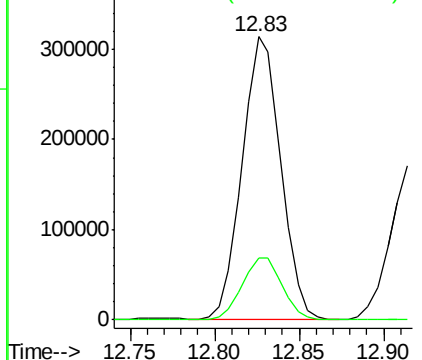
Acq: 19 Feb 2020 13:01

Tgt Ion:	91	Resp:	497696
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.193 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD0219SBS01

Tot Ion: 91 Resp: 274925

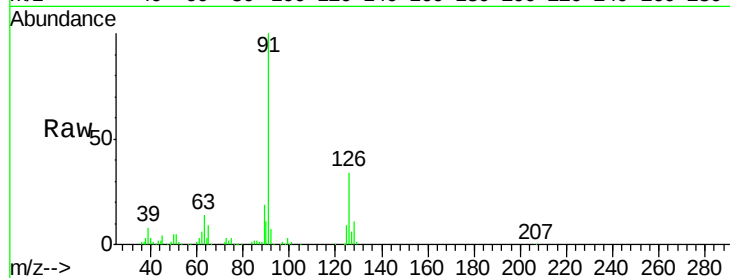
Ion Ratio Lower Upper

91 100

126 34.7 17.5 52.6

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Abundance Ion 91.00 (90.70 to 91.70): VD065215.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065215.D (-1862) (-)

200000

150000

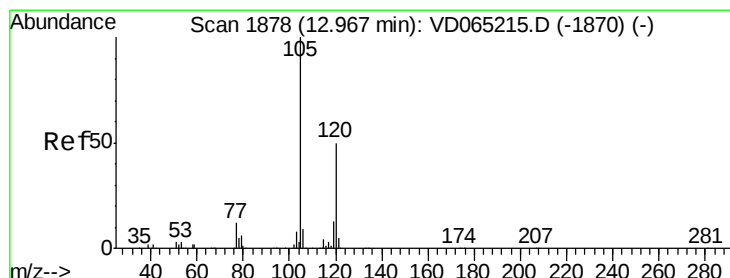
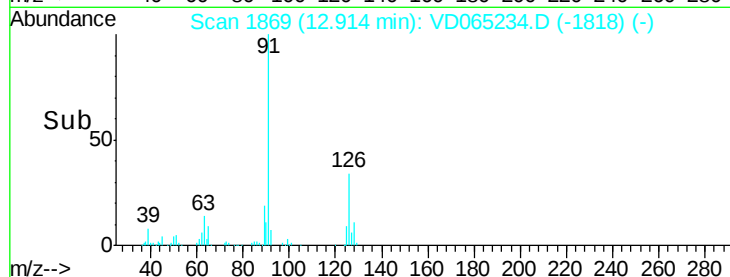
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.308 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065234.D

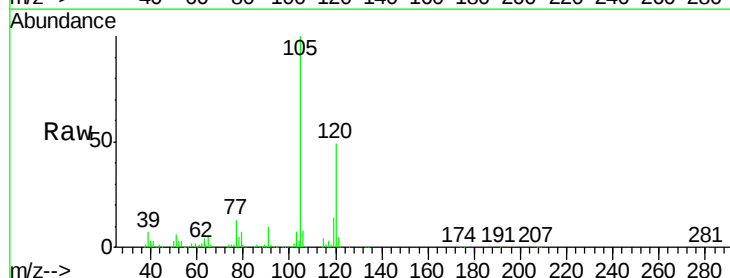
Acq: 19 Feb 2020 13:01

Tgt Ion: 105 Resp: 338365

Ion Ratio Lower Upper

105 100

120 50.5 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD065215.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD065215.D (-1870) (-)

250000

200000

150000

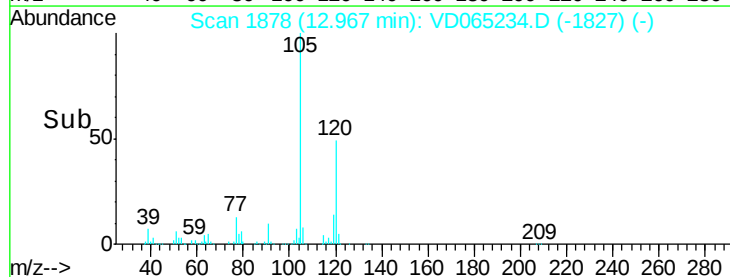
100000

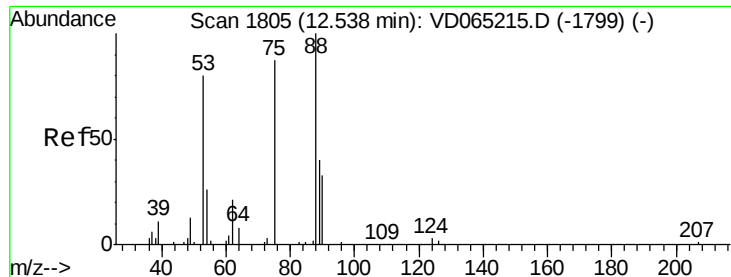
50000

0

12.90 12.95 13.00 13.05

Time-->





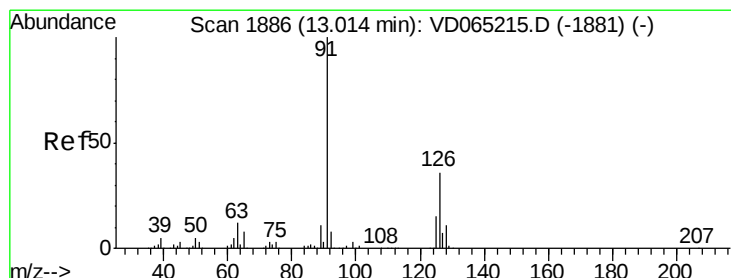
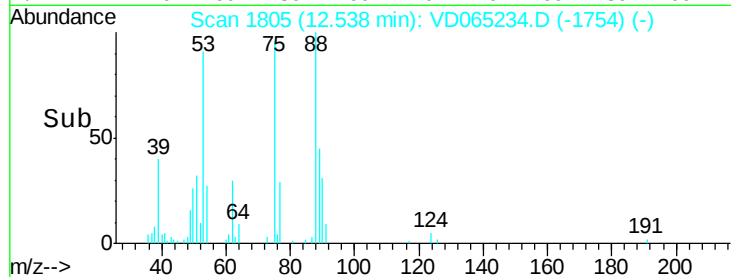
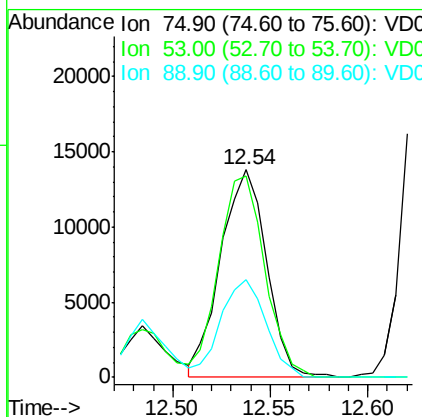
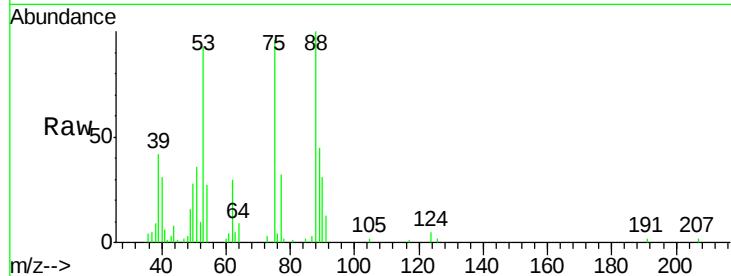
#81
trans-1,4-Dichloro-2-butene
Concen: 17.793 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.3	77.6	116.4
89	46.8	37.2	55.8

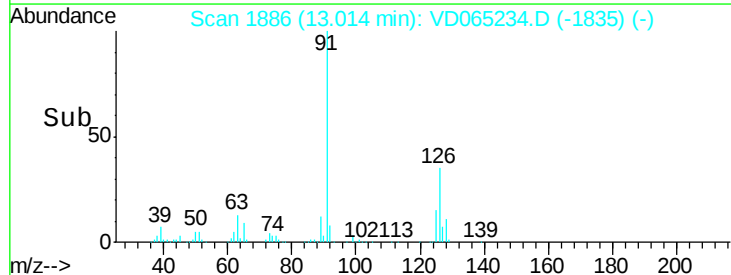
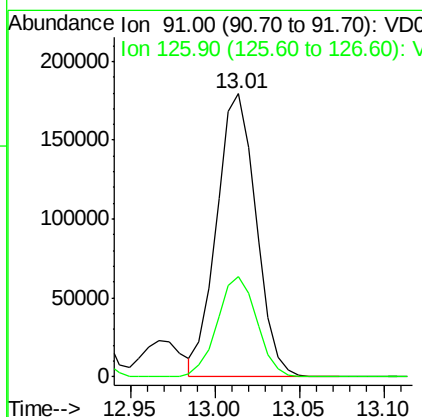
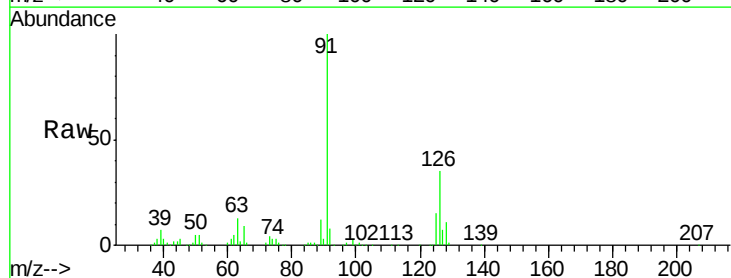
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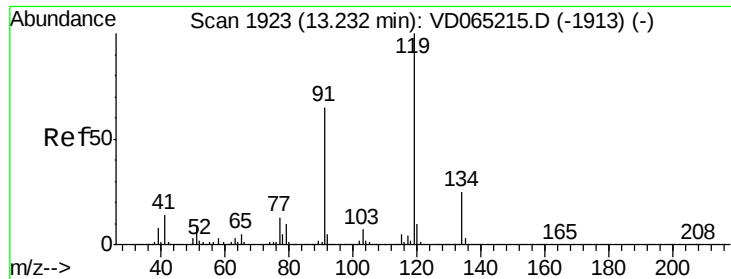
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#82
4-Chlorotoluene
Concen: 19.197 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.4	52.3





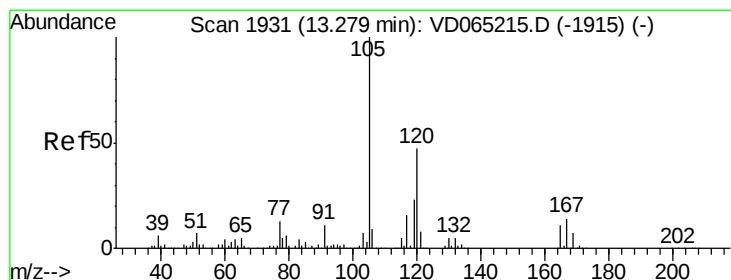
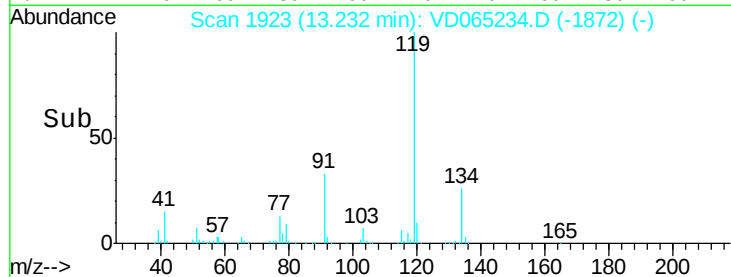
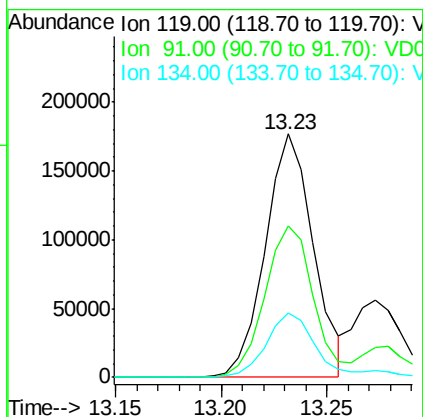
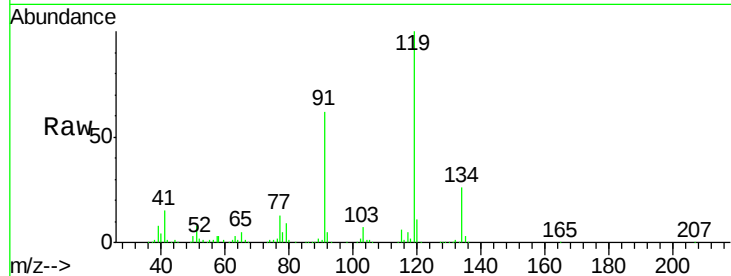
#83
tert-Butylbenzene
Concen: 19.033 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	279554		
91	63.5		31.9	95.5
134	28.1		13.8	41.3

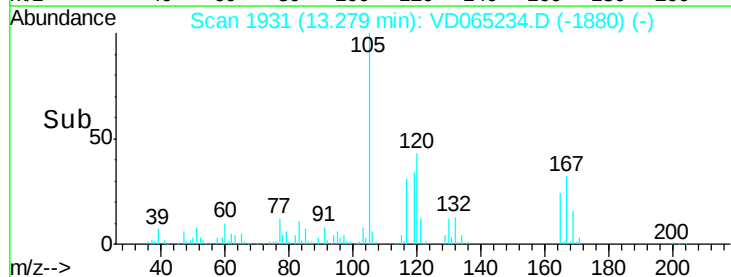
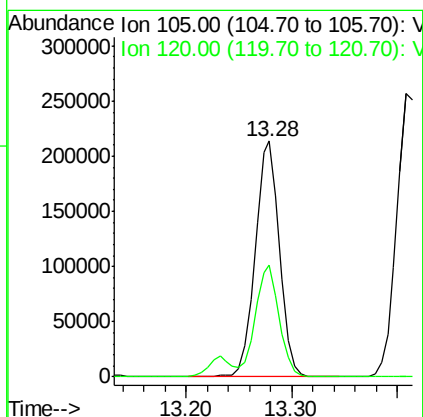
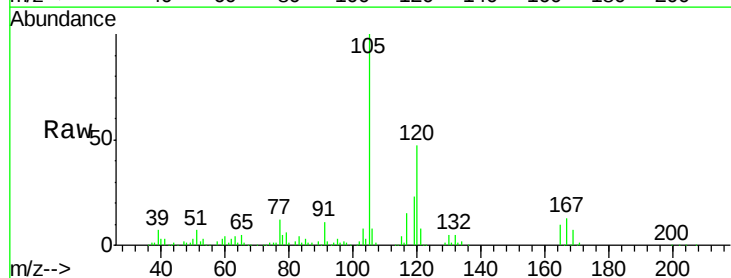
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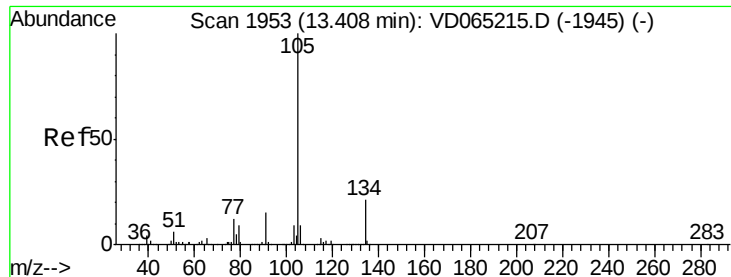
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#84
1,2,4-Trimethylbenzene
Concen: 19.507 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	342173		
120	46.0		23.3	69.9





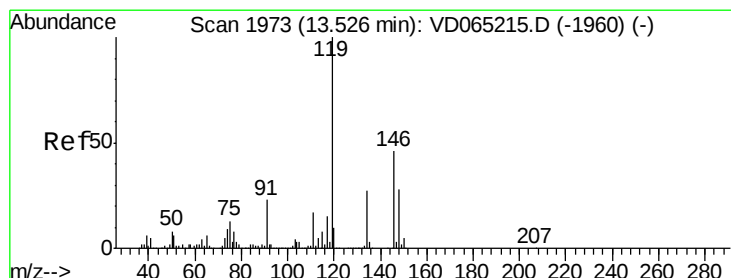
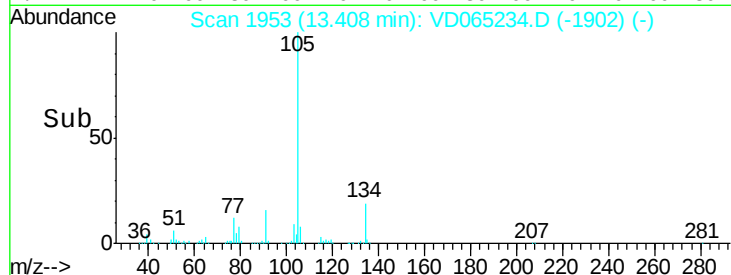
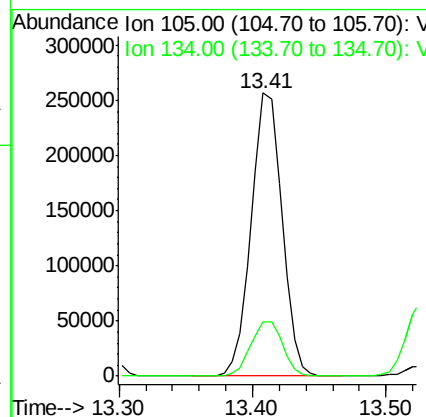
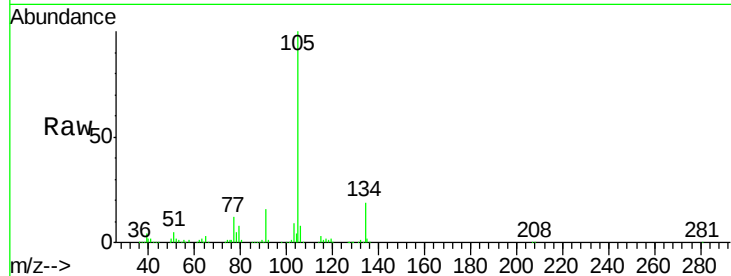
#85
 sec-Butylbenzene
 Concen: 19.270 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0219SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.3	30.9

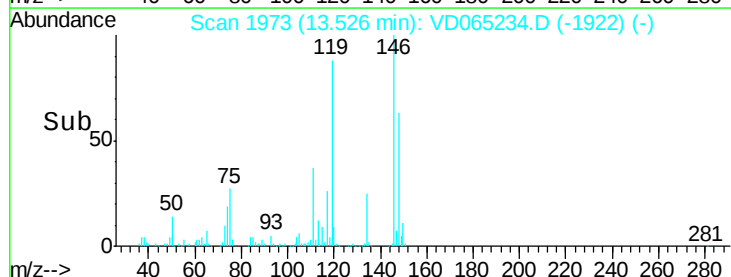
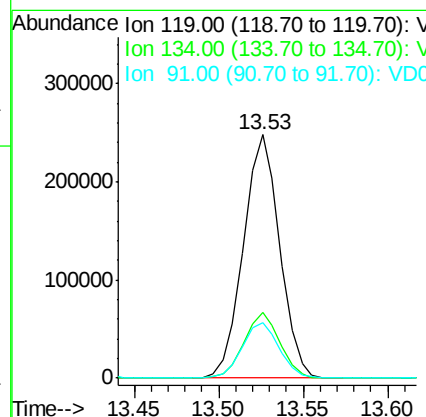
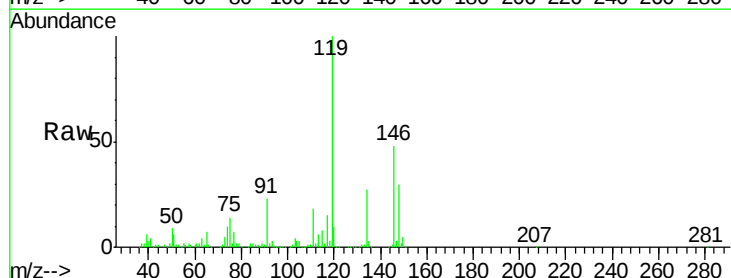
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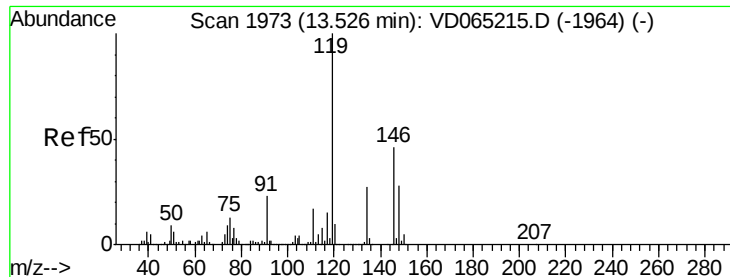
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#86
 p-Isopropyltoluene
 Concen: 19.198 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.3	39.8
91	23.2	11.1	33.1





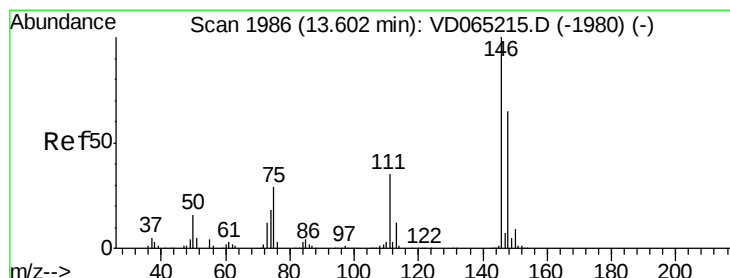
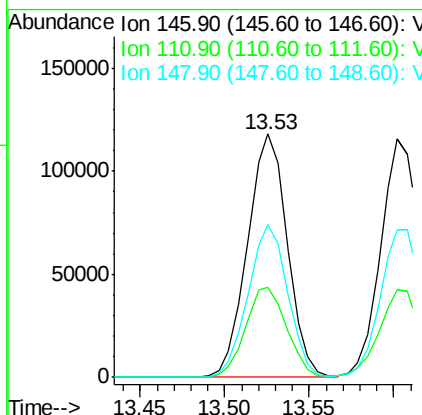
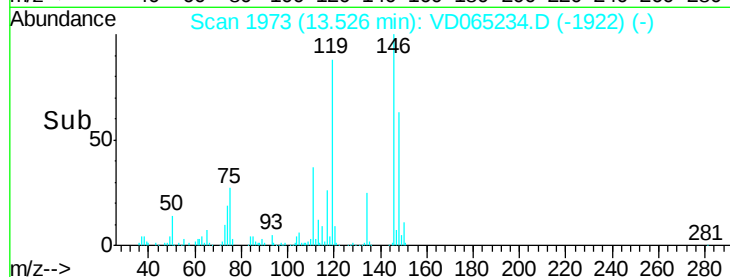
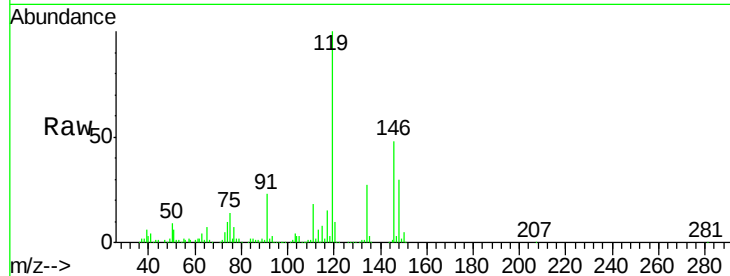
#87
 1,3-Dichlorobenzene
 Concen: 18.981 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0219SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	55.8
148	62.4	31.4	94.3

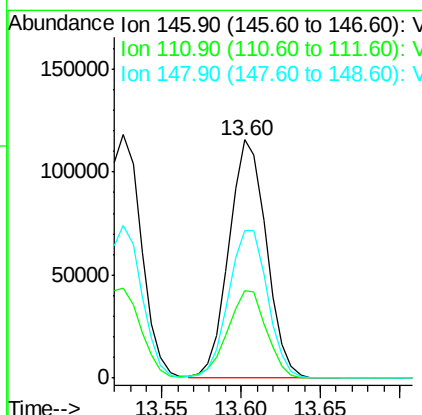
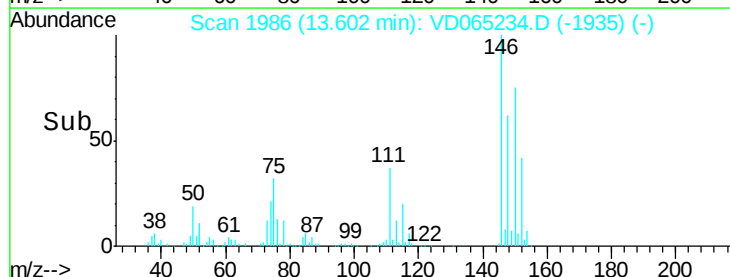
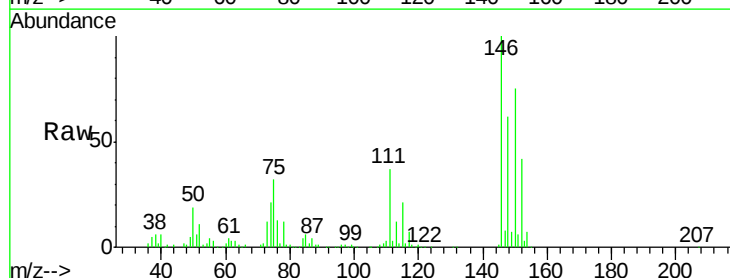
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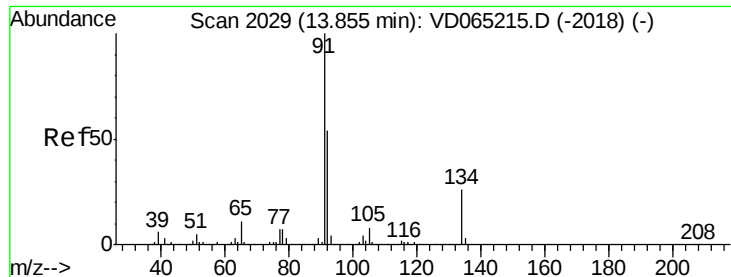
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#88
 1,4-Dichlorobenzene
 Concen: 18.806 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.4	55.2
148	64.5	32.1	96.5





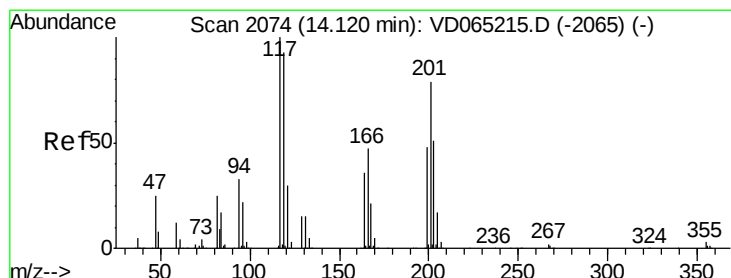
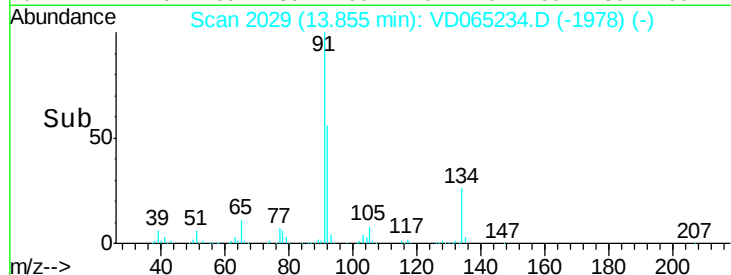
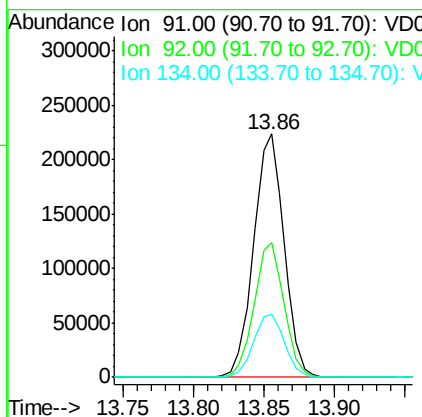
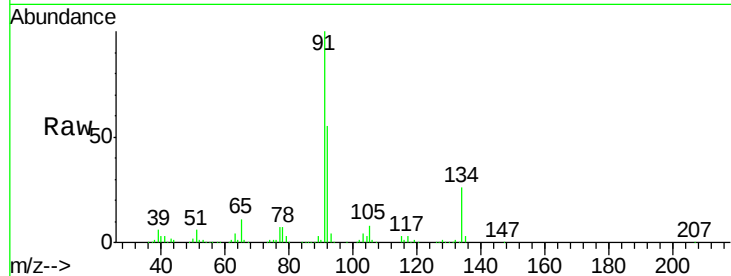
#89
n-Butylbenzene
Concen: 19.001 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.5	27.0	80.8	
134	26.4	13.5	40.4	

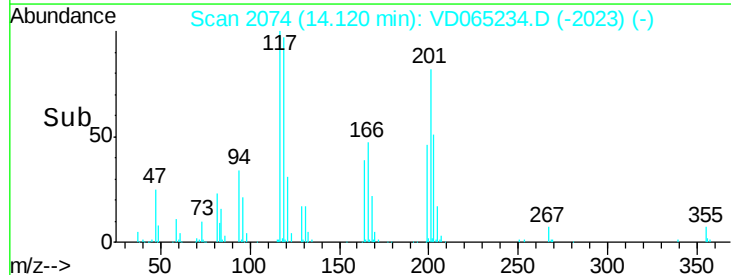
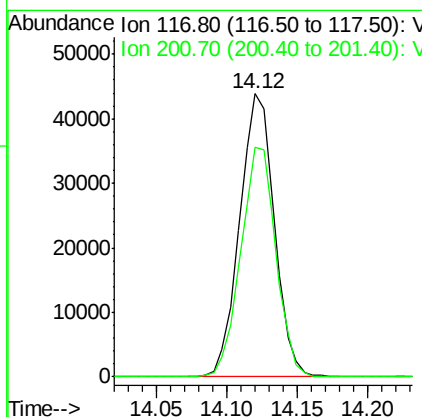
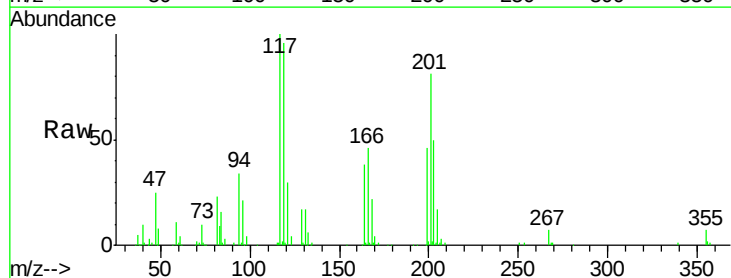
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#90
Hexachloroethane
Concen: 19.194 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	82.3	41.3	124.1	





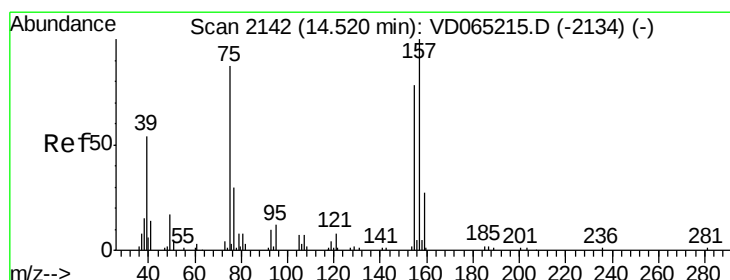
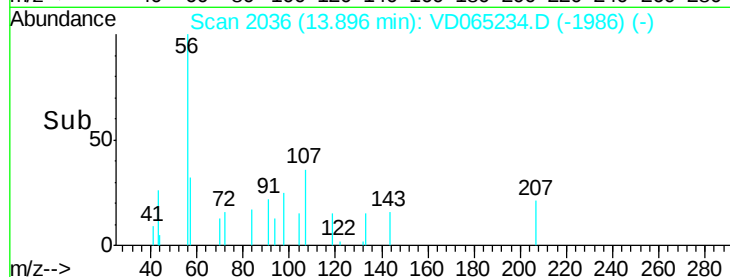
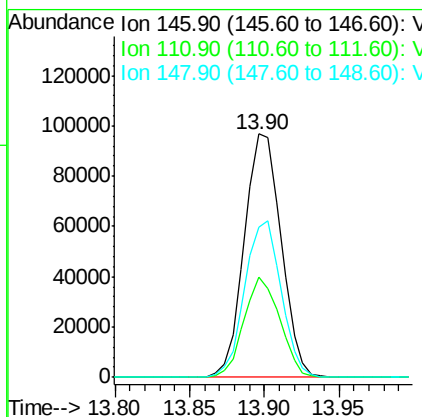
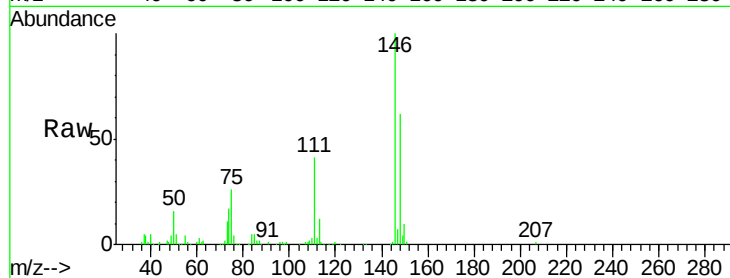
#91
 1,2-Dichlorobenzene
 Concen: 18.844 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0219SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	165270		
111	40.2		19.7	59.0
148	63.7		32.0	96.2

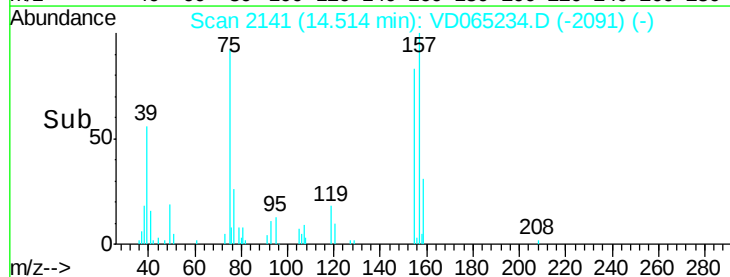
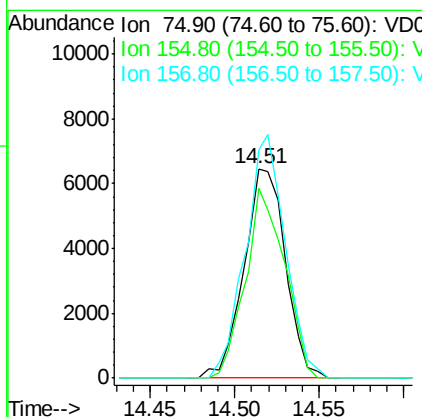
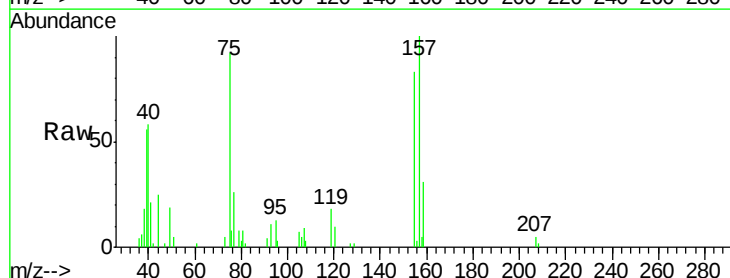
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.679 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11054		
155	85.9		42.3	126.9
157	112.0		56.7	170.1





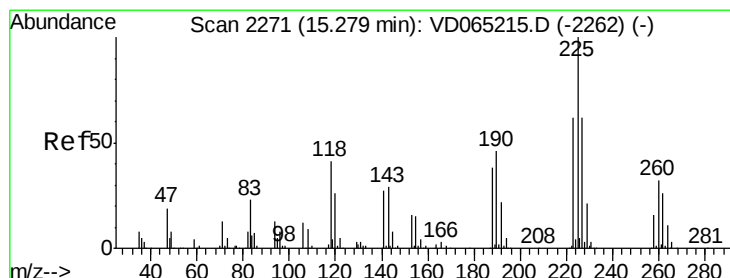
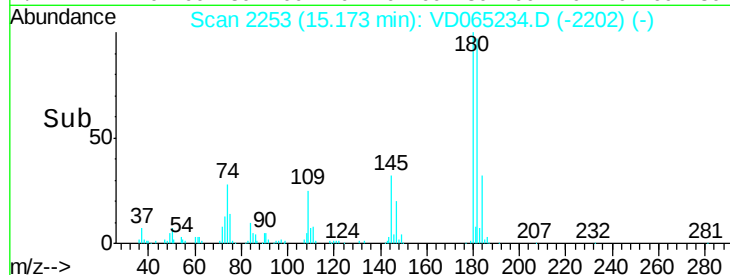
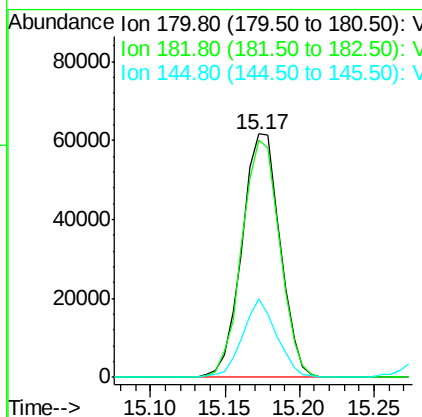
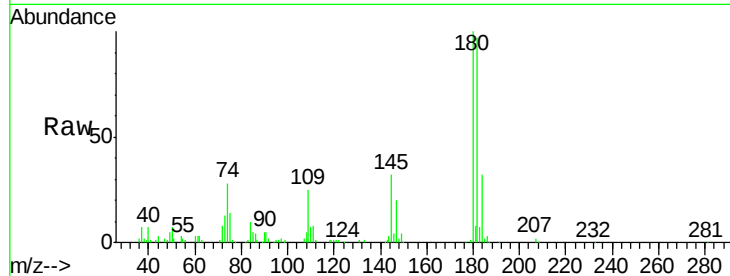
#93
 1,2,4-Trichlorobenzene
 Concen: 18.963 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0219SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	108790		
182	96.8	46.9	140.6	
145	28.8	13.9	41.7	

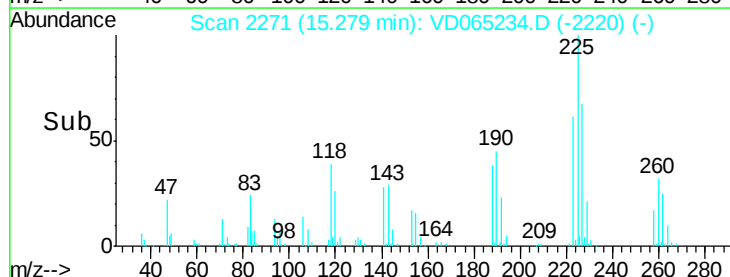
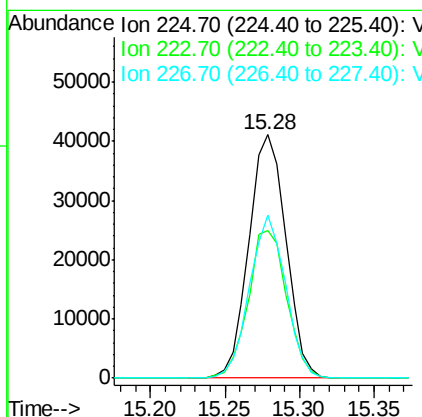
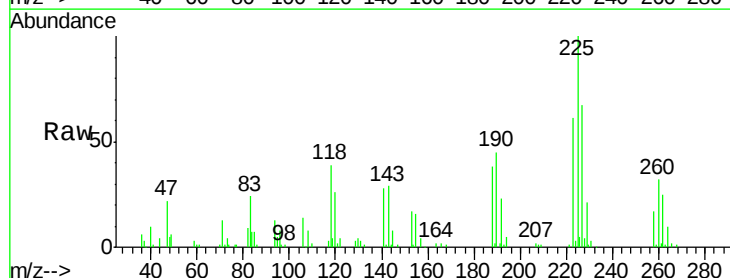
Manual Integrations
 APPROVED

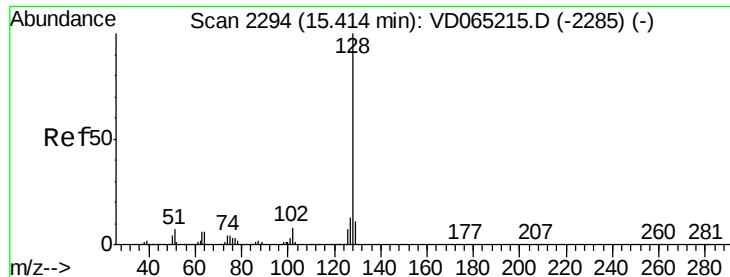
MMDadoda
 2/21/2020 5:25:39 PM



#94
 Hexachlorobutadiene
 Concen: 19.209 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70692		
223	62.6	31.4	94.2	
227	64.7	31.7	95.1	





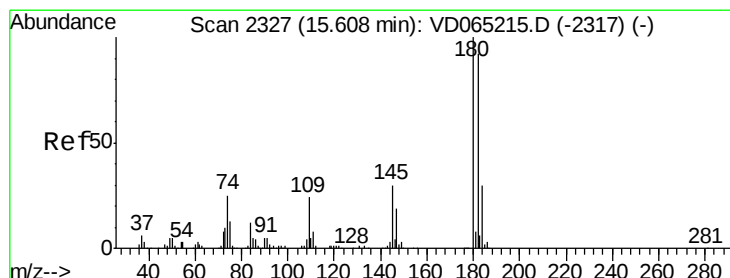
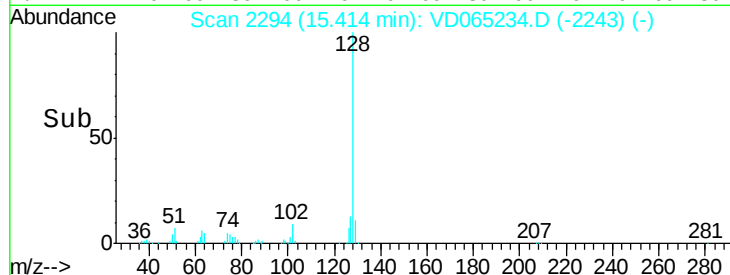
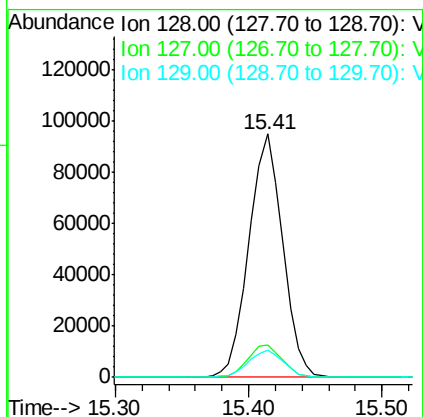
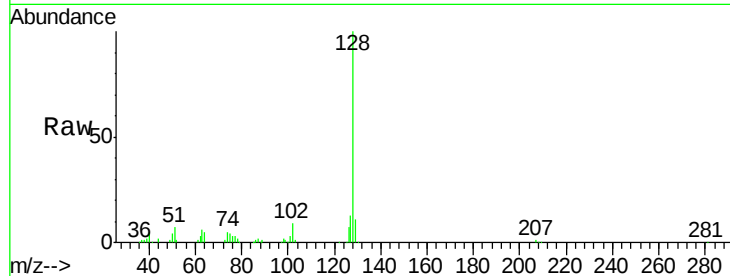
#95
Naphthalene
Concen: 17.774 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.3	15.5
129	11.4	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/21/2020 5:25:39 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.863 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.9	140.6
145	31.6	15.4	46.1

