

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021720\
 Data File : VD065194.D
 Acq On : 17 Feb 2020 14:06
 Operator : VA/SY
 Sample : VD0217SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/18/2020 10:58:15 AM

Quant Time: Feb 18 03:33:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	412653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	626501	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	570210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279848	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	193802	55.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.52%	
35) Dibromofluoromethane	7.92	113	200190	57.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.54%	
50) Toluene-d8	10.34	98	793032	57.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.00%	
62) 4-Bromofluorobenzene	12.64	95	248650	56.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	68877	20.058	ug/l	93
3) Chloromethane	2.21	50	89325	22.098	ug/l	100
4) Vinyl Chloride	2.35	62	89730	20.989	ug/l	99
5) Bromomethane	2.76	94	55508	20.025	ug/l	100
6) Chloroethane	2.92	64	58189	21.943	ug/l	98
7) Trichlorofluoromethane	3.27	101	131727	21.173	ug/l	100
8) Diethyl Ether	3.70	74	38314	21.452	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	84844	22.308	ug/l	99
10) Methyl Iodide	4.29	142	76913	17.717	ug/l	98
11) Tert butyl alcohol	5.24	59	20961	97.818	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	79462	21.815	ug/l	94
13) Acrolein	3.92	56	20835	79.051	ug/l	98
14) Allyl chloride	4.71	41	128677	21.255	ug/l	96
15) Acrylonitrile	5.43	53	85298	109.239	ug/l	99
16) Acetone	4.16	43	77787	88.711	ug/l	93
17) Carbon Disulfide	4.40	76	251441	21.499	ug/l	99
18) Methyl Acetate	4.73	43	43964	23.998	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	163137	20.253	ug/l	99
20) Methylene Chloride	4.96	84	100931	24.100	ug/l	95
21) trans-1,2-Dichloroethene	5.46	96	90280	21.907	ug/l	92
22) Diisopropyl ether	6.36	45	253590	22.208	ug/l	97
23) Vinyl Acetate	6.31	43	645984	101.494	ug/l	97
24) 1,1-Dichloroethane	6.26	63	161509	23.367	ug/l	99
25) 2-Butanone	7.22	43	104833	100.226	ug/l	94
26) 2,2-Dichloropropane	7.21	77	133779	21.594	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	95763	21.873	ug/l	98
28) Bromochloromethane	7.54	49	53150	20.286	ug/l	100
29) Tetrahydrofuran	7.57	42	65133	102.972	ug/l	98
30) Chloroform	7.71	83	162607	23.628	ug/l	94
31) Cyclohexane	7.98	56	141419	20.269	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	142375	22.209	ug/l	99
36) 1,1-Dichloropropene	8.11	75	126045	21.637	ug/l	99
37) Ethyl Acetate	7.30	43	47346	19.894	ug/l	98
38) Carbon Tetrachloride	8.09	117	130142	21.873	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	141261	19.645	ug/l	97
40) Benzene	8.35	78	359399	22.341	ug/l	100
41) Methacrylonitrile	7.53	41	24329	18.555	ug/l	93
42) 1,2-Dichloroethane	8.43	62	96486	21.049	ug/l	95
43) Isopropyl Acetate	8.46	43	89767	19.718	ug/l	97
44) Trichloroethene	9.11	130	97610	21.139	ug/l	98
45) 1,2-Dichloropropane	9.39	63	87430	22.668	ug/l	95
46) Dibromomethane	9.48	93	44991	22.198	ug/l	98
47) Bromodichloromethane	9.66	83	120364	22.539	ug/l	98
48) Methyl methacrylate	9.46	41	41714	19.041	ug/l	95
49) 1,4-Dioxane	9.47	88	10136	422.232	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	225799	100.763	ug/l	100
52) Toluene	10.41	92	229333	22.336	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	110210	21.196	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	132621	21.326	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	63551	22.860	ug/l	95
56) Ethyl methacrylate	10.67	69	68426	19.453	ug/l	98
57) 1,3-Dichloropropane	10.95	76	108540	22.203	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	111334	85.452	ug/l	100
59) 2-Hexanone	10.99	43	154975	97.636	ug/l	100
60) Dibromochloromethane	11.14	129	82666	22.958	ug/l	100
61) 1,2-Dibromoethane	11.25	107	60171	22.151	ug/l	98
64) Tetrachloroethene	10.88	164	85286	20.815	ug/l	96
65) Chlorobenzene	11.67	112	242997	22.033	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	88283	21.689	ug/l	98
67) Ethyl Benzene	11.75	91	415781	20.751	ug/l	99
68) m/p-Xylenes	11.86	106	328937	43.012	ug/l	99
69) o-Xylene	12.18	106	140604	20.416	ug/l	97
70) Styrene	12.20	104	258364	21.585	ug/l	99
71) Bromoform	12.37	173	46423	21.189	ug/l #	96
73) Isopropylbenzene	12.48	105	390903	20.351	ug/l	100
74) N-amyl acetate	12.30	43	77562	18.578	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	66969	22.153	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	32935m	15.545	ug/l	
77) Bromobenzene	12.77	156	97493	21.067	ug/l	98
78) n-propylbenzene	12.83	91	481398	21.401	ug/l	100
79) 2-Chlorotoluene	12.91	91	263851	21.044	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	326113	20.753	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	21561	20.352	ug/l	96
82) 4-Chlorotoluene	13.01	91	280171	21.276	ug/l	99
83) tert-Butylbenzene	13.23	119	269884	19.908	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	326355	20.920	ug/l	99
85) sec-Butylbenzene	13.41	105	392054	21.174	ug/l	99
86) p-Isopropyltoluene	13.53	119	357220	20.764	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	187823	21.677	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	186628	21.641	ug/l	99
89) n-Butylbenzene	13.86	91	330374	20.806	ug/l	99
90) Hexachloroethane	14.12	117	71338	21.899	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	158885	21.409	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10024	20.313	ug/l	99

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VD0217SBS01

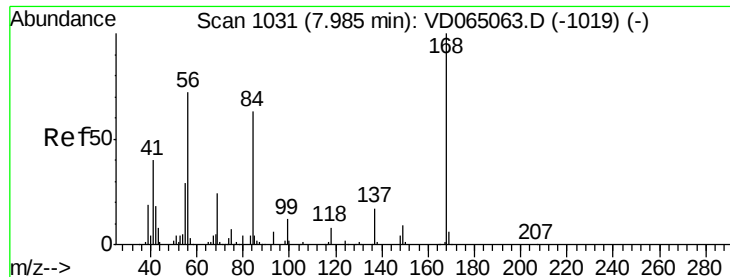
Manual Integrations
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MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	106000	19.983	ug/l	99
94) Hexachlorobutadiene	15.28	225	66562	20.408	ug/l	99
95) Naphthalene	15.41	128	160206	18.171	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	93340	20.572	ug/l	97

(#) = 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: VD065194.D

Acq: 17 Feb 2020 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBS01

Tot Ion:168 Resp: 412653

Ion Ratio Lower Upper

168 100

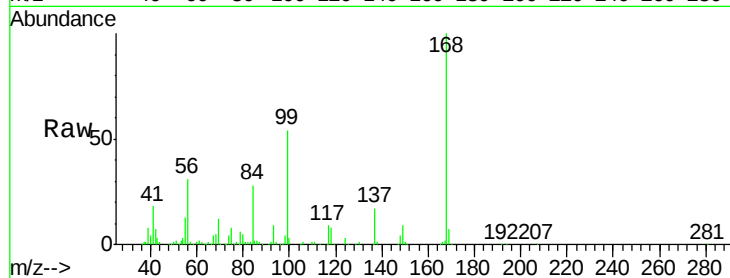
99 53.2 41.0 61.6

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

200000

150000

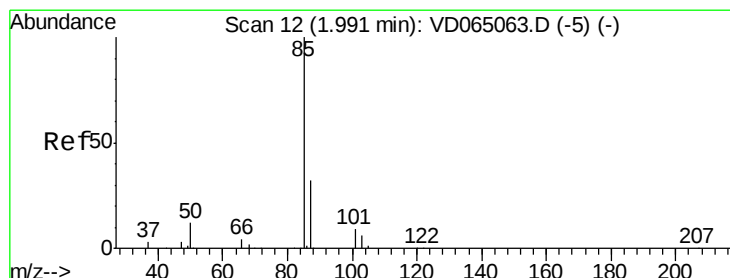
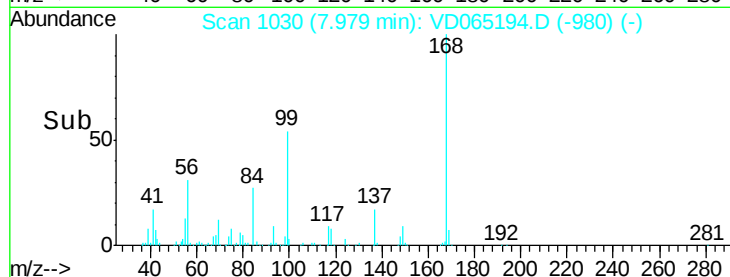
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.058 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065194.D

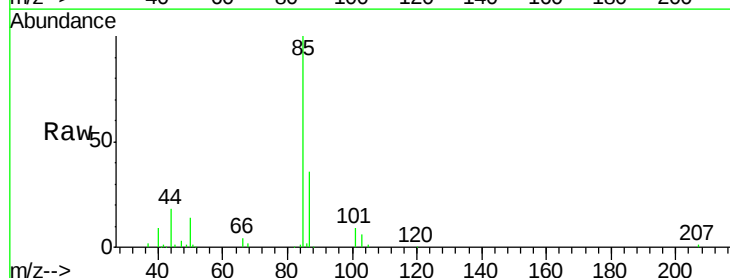
Acq: 17 Feb 2020 14:06

Tgt Ion: 85 Resp: 68877

Ion Ratio Lower Upper

85 100

87 35.6 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

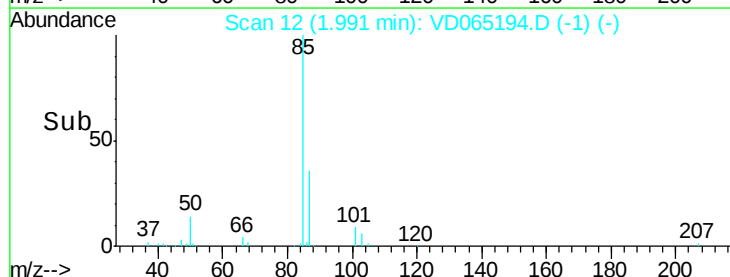
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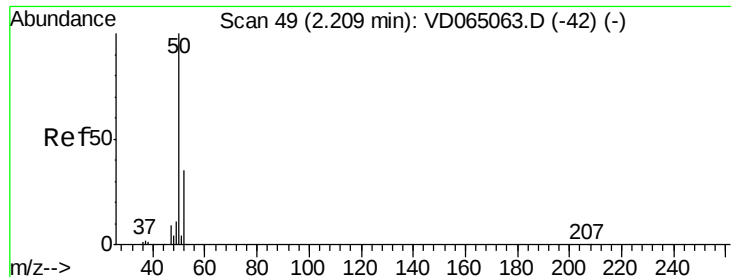
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 22.098 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBS01

Tot Ion: 50 Resp: 89325

Ion Ratio Lower Upper

50 100

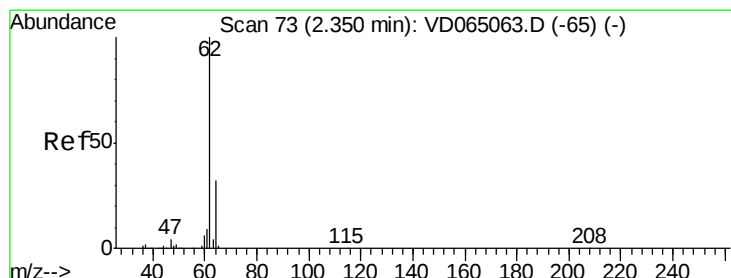
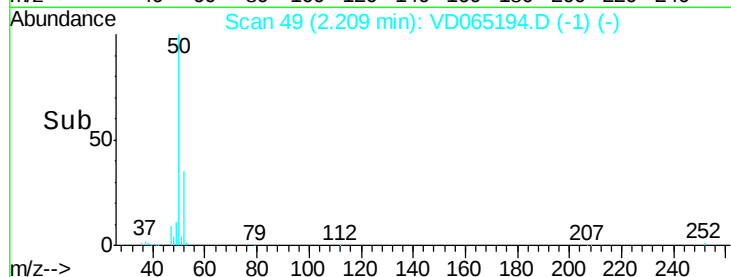
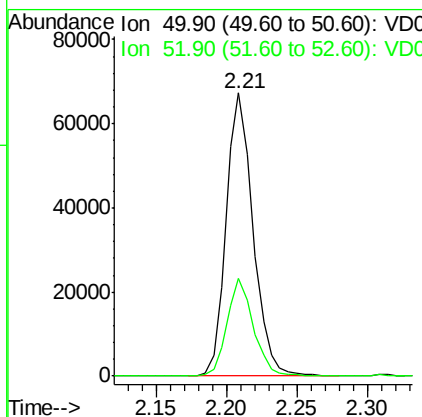
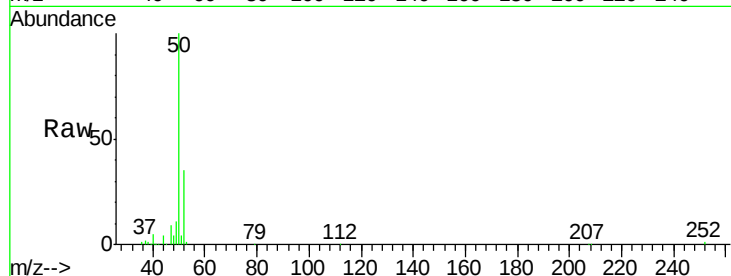
52 34.7 27.8 41.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.989 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065194.D

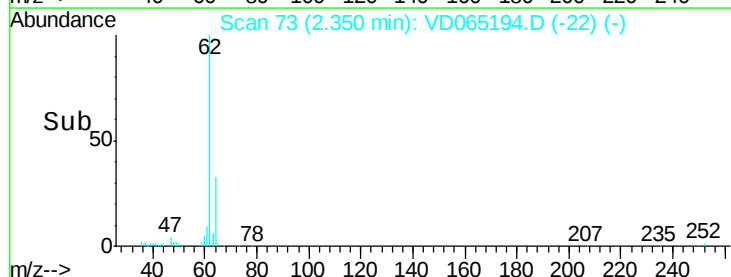
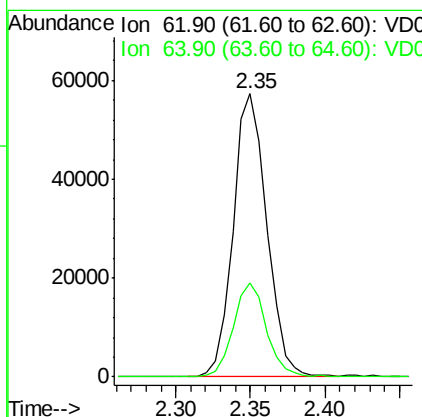
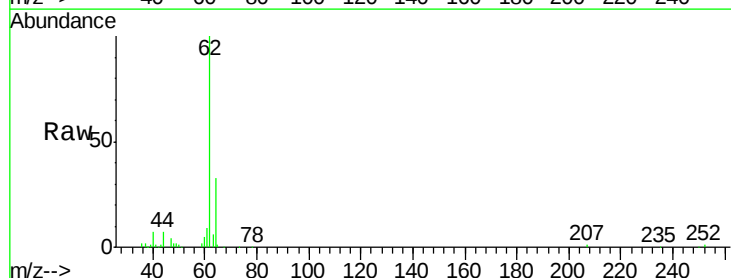
Acq: 17 Feb 2020 14:06

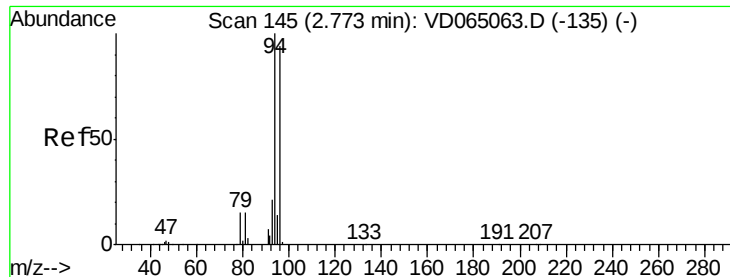
Tgt Ion: 62 Resp: 89730

Ion Ratio Lower Upper

62 100

64 33.0 25.9 38.9





#5

Bromomethane

Concen: 20.025 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBS01

Tot Ion: 94 Resp: 55508

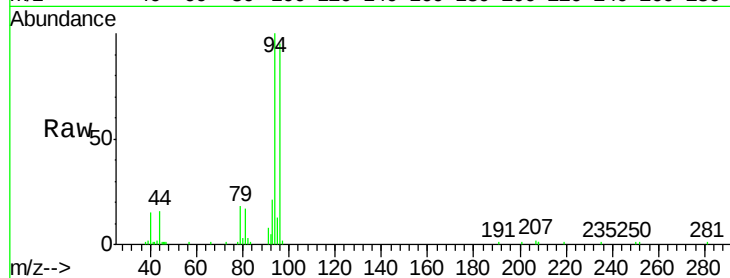
Ion Ratio Lower Upper

94 100

96 94.4 75.4 113.0

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

25000

20000

15000

10000

5000

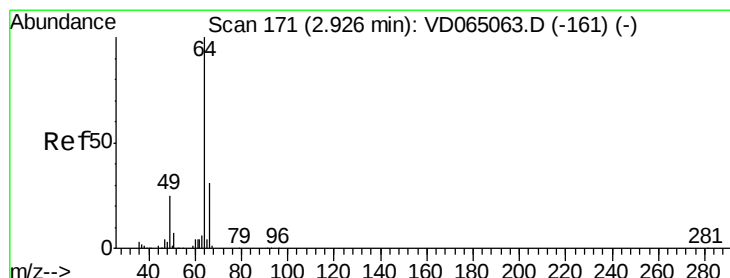
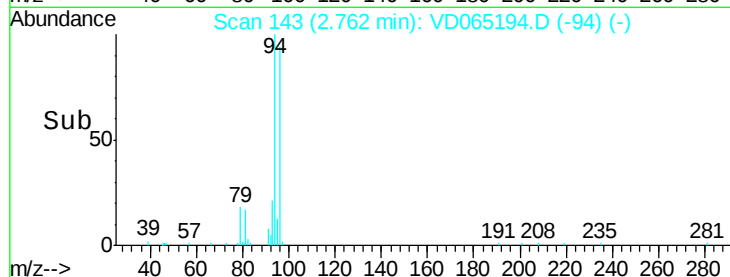
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Time-->

2.70

2.80

2.90



#6

Chloroethane

Concen: 21.943 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065194.D

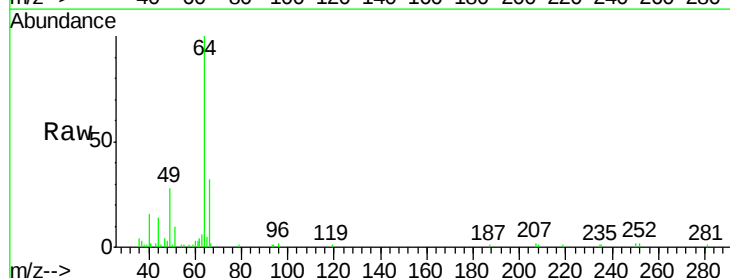
Acq: 17 Feb 2020 14:06

Tgt Ion: 64 Resp: 58189

Ion Ratio Lower Upper

64 100

66 32.3 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

30000

25000

20000

15000

10000

5000

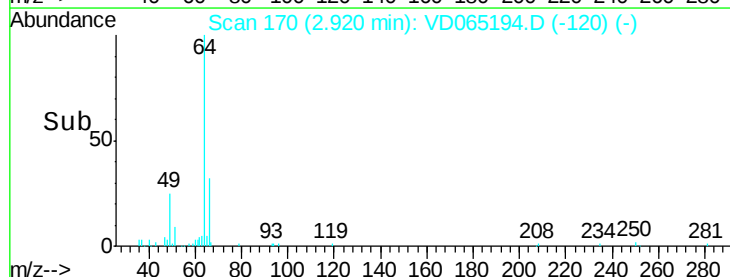
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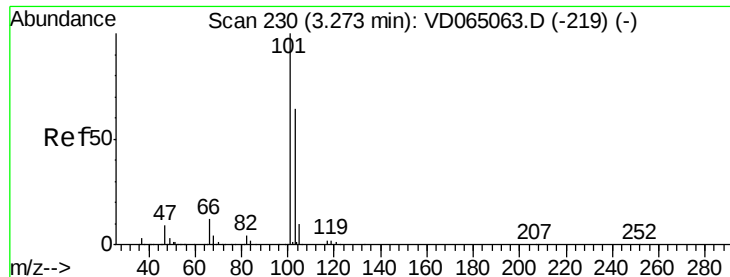
Time-->

2.80

2.90

3.00





#7

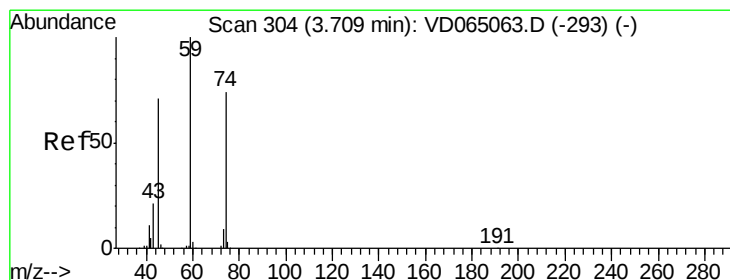
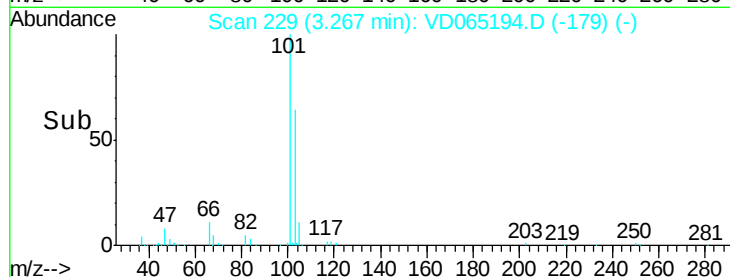
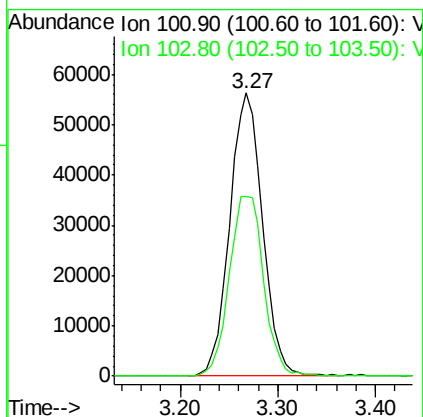
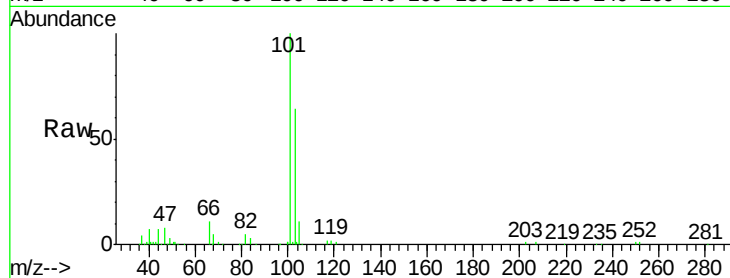
Trichlorofluoromethane
Concen: 21.173 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065194.D
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VD0217SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.0	76.6

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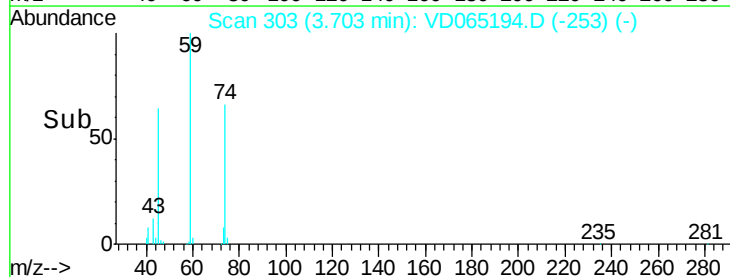
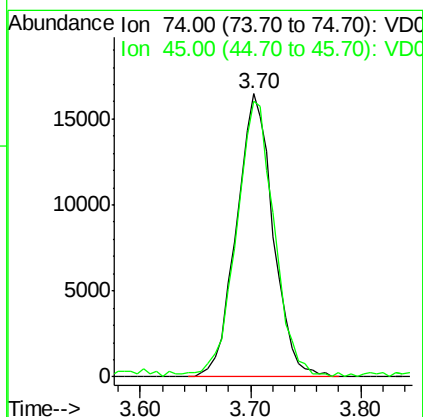
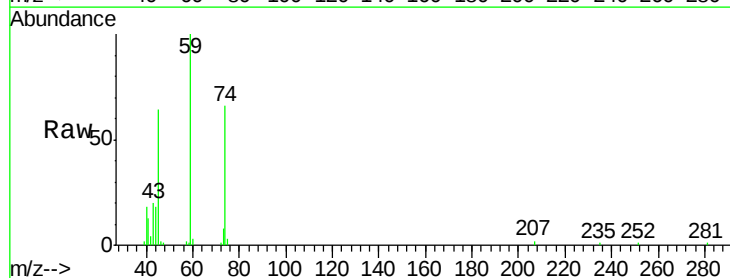
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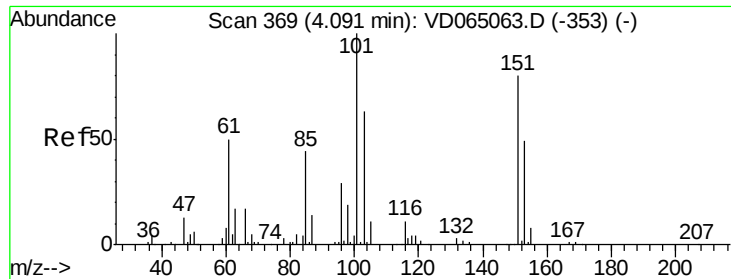


#8

Diethyl Ether
Concen: 21.452 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.0	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.308 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD065194.D

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Instrument :

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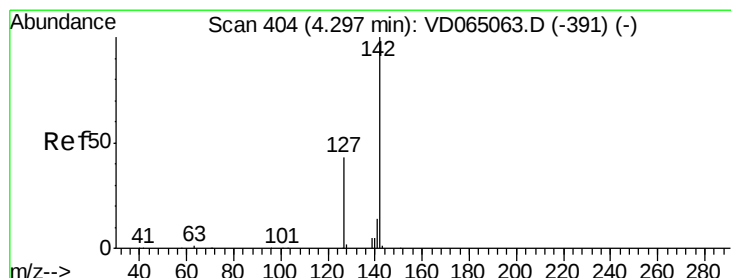
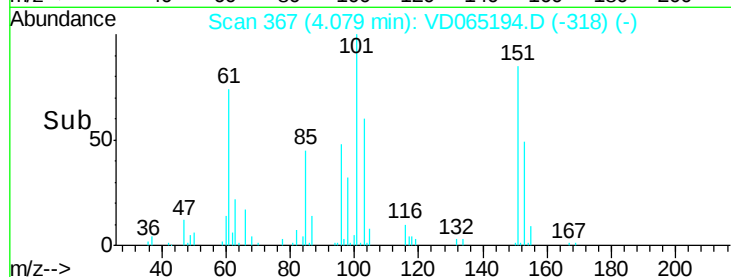
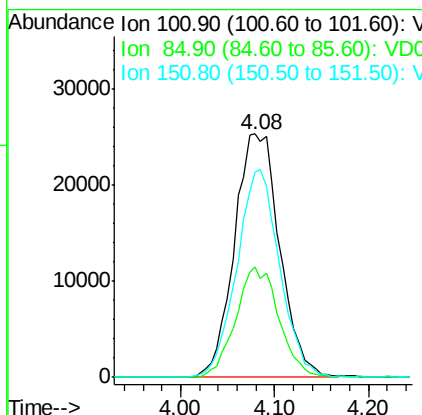
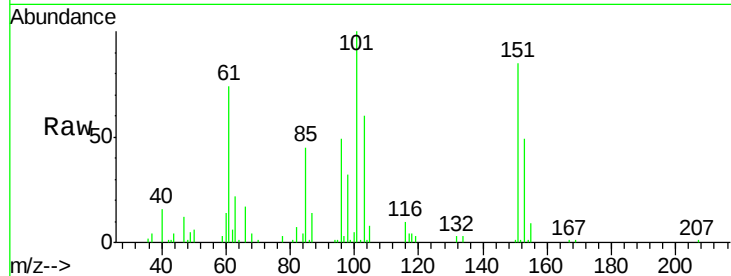
ClientSampleId :

VD0217SBS01

Tot Ion:	101	Resp:	84844
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.0	51.0
151	80.4	64.0	96.0

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 17.717 ug/l

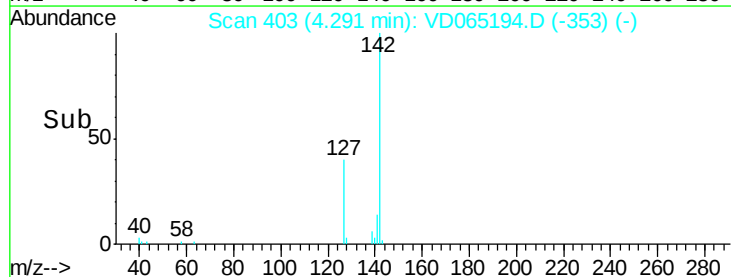
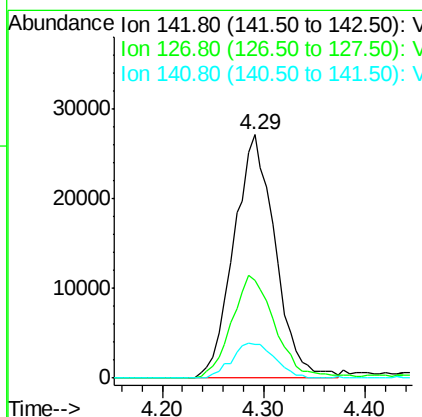
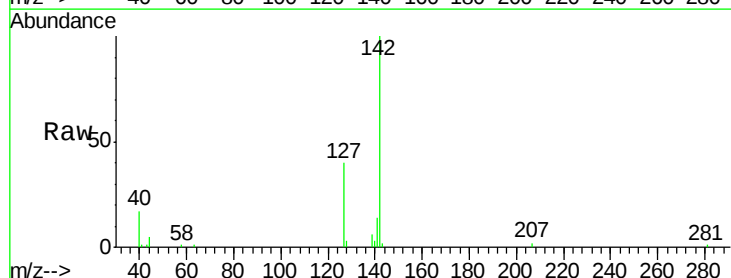
RT: 4.29 min Scan# 403

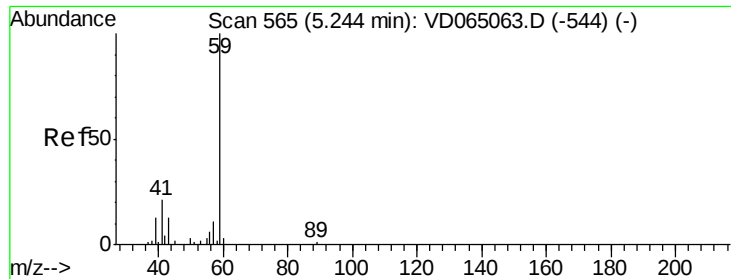
Delta R.T. -0.01 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

Tgt Ion:	142	Resp:	76913
Ion Ratio	Lower	Upper	
142	100		
127	43.7	34.0	51.0
141	14.8	11.6	17.4





#11

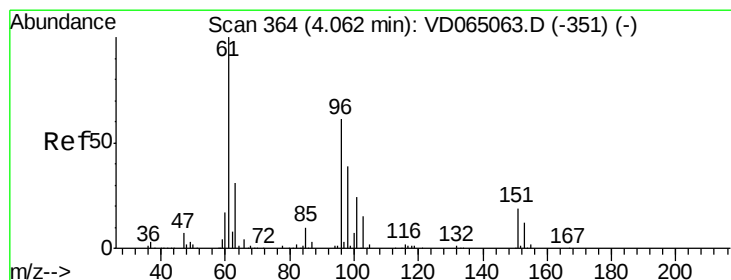
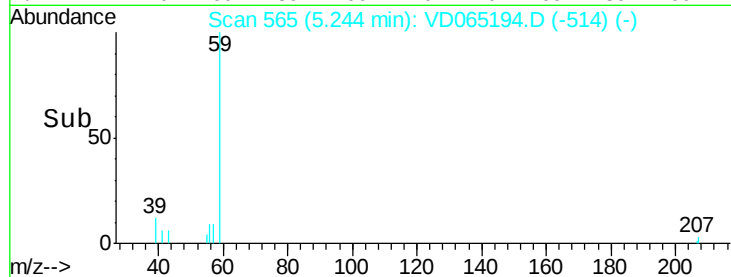
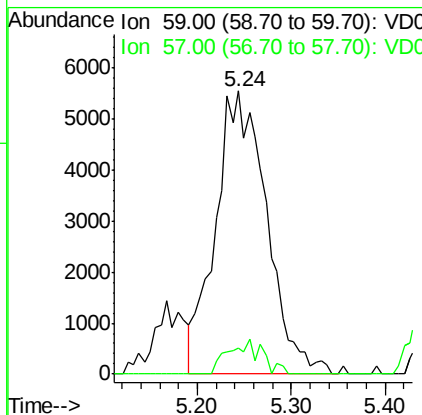
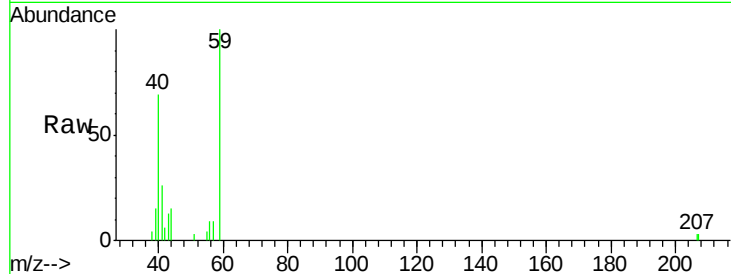
Tert butyl alcohol
 Concen: 97.818 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VD065194.D
 Acq: 17 Feb 2020 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.1	8.8	13.2#

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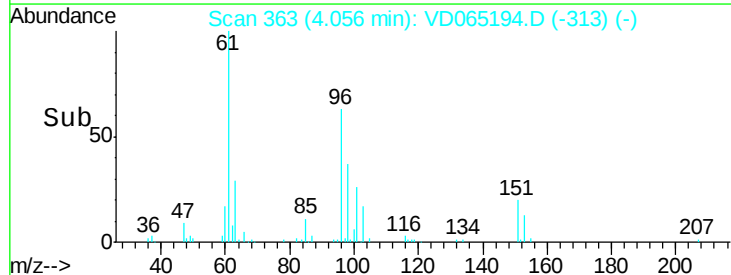
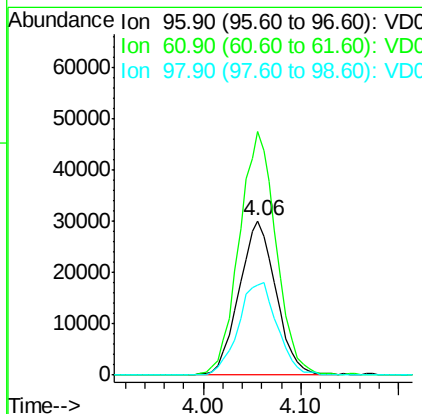
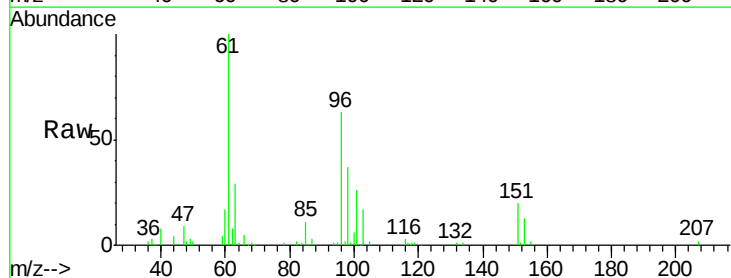
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#12

1,1-Dichloroethene
 Concen: 21.815 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD065194.D
 Acq: 17 Feb 2020 14:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.0	131.4	197.2
98	58.0	51.1	76.7





#13

Acrolein

Concen: 79.051 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBS01

Tot Ion: 56 Resp: 20835

Ion Ratio Lower Upper

56 100

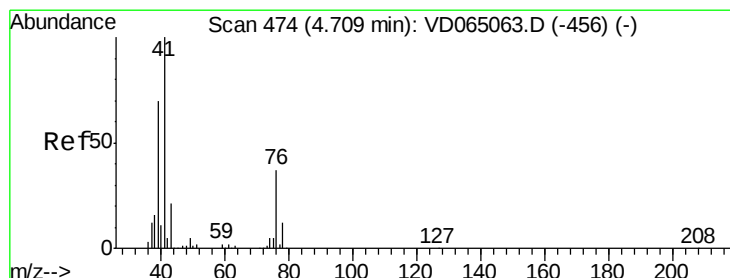
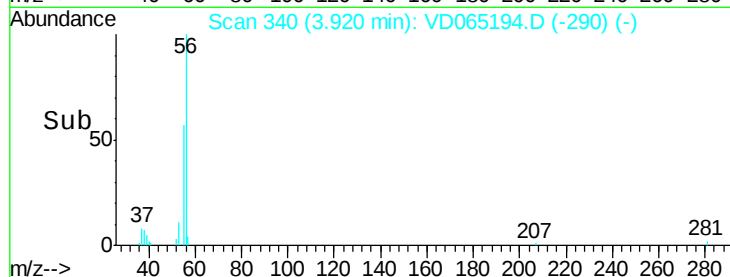
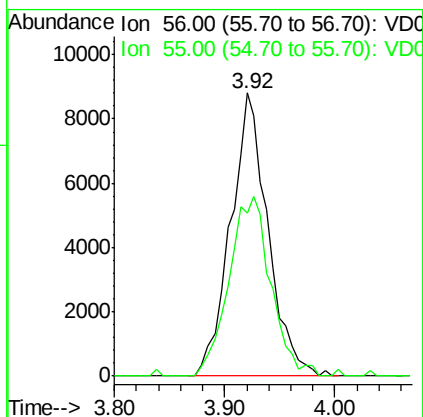
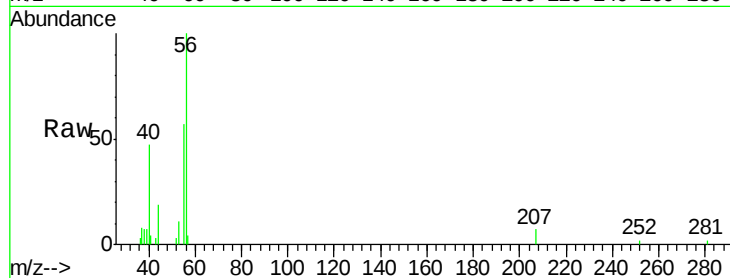
55 71.0 58.2 87.2

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#14

Allyl chloride

Concen: 21.255 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

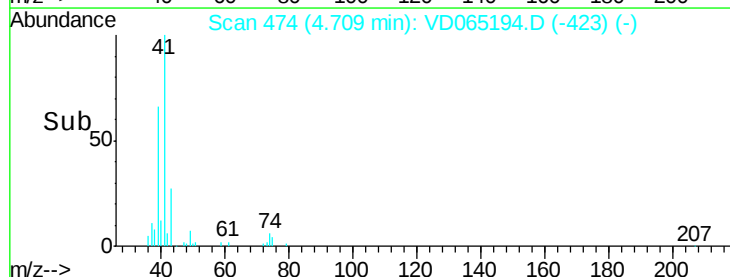
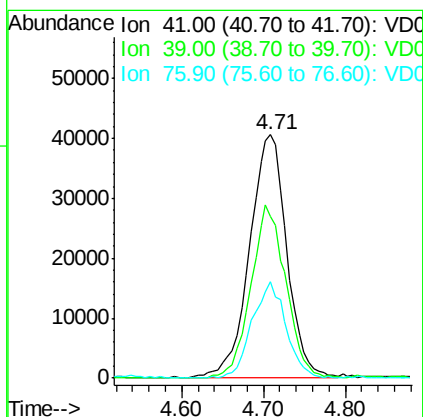
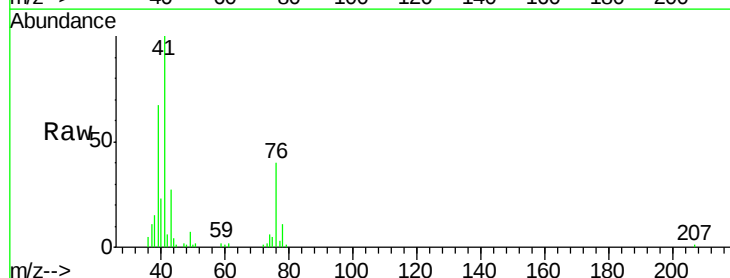
Tgt Ion: 41 Resp: 128677

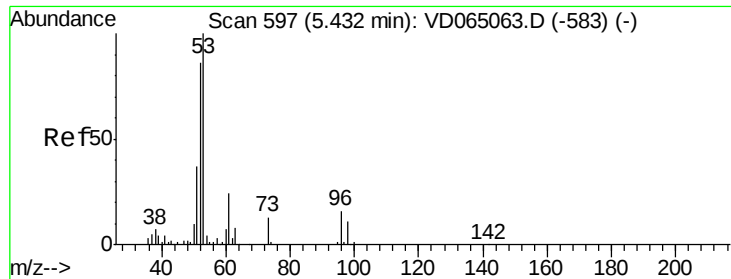
Ion Ratio Lower Upper

41 100

39 66.9 57.1 85.7

76 36.0 28.0 42.0





#15

Acrylonitrile

Concen: 109.239 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

Instrument :

MSVOA_D

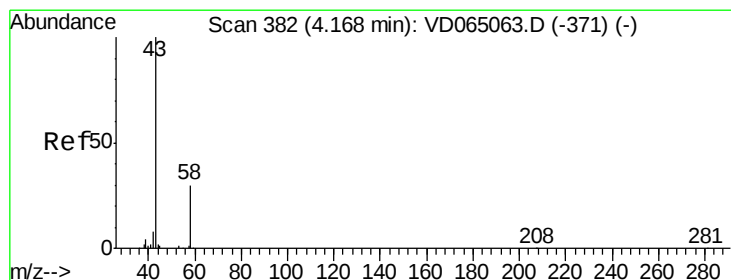
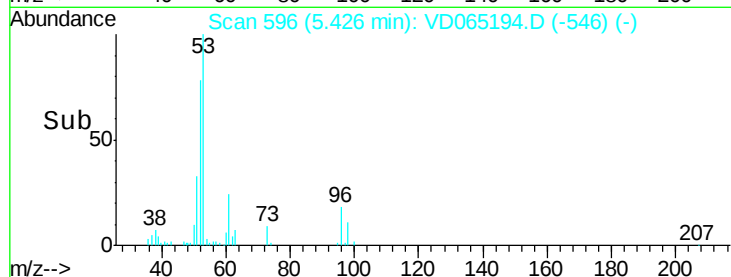
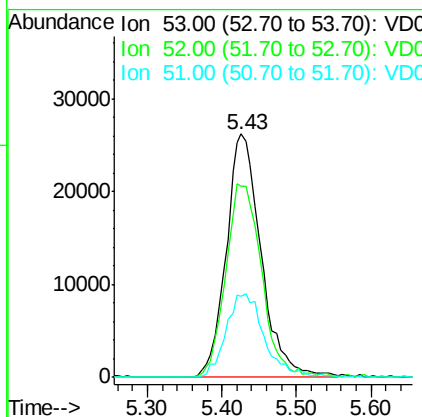
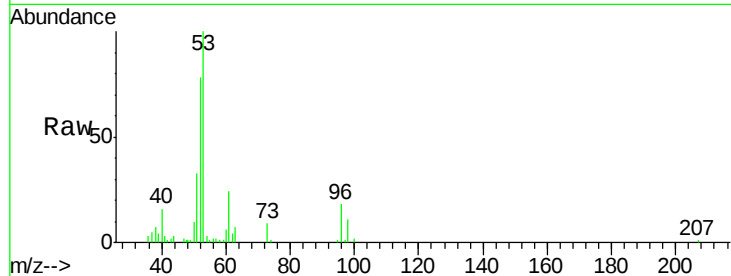
ClientSampleId :

VD0217SBS01

Tot Ion:	53	Resp:	85298
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.2	99.2
51	37.4	30.4	45.6

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#16

Acetone

Concen: 88.711 ug/l

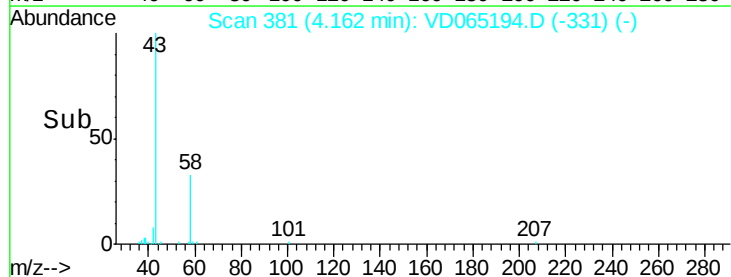
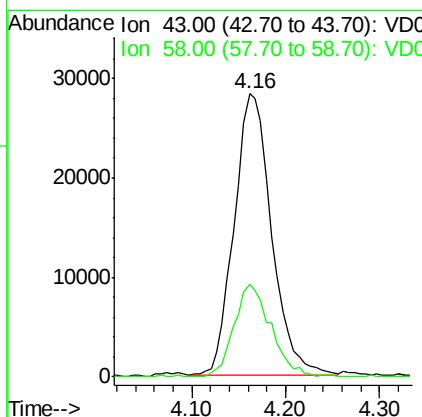
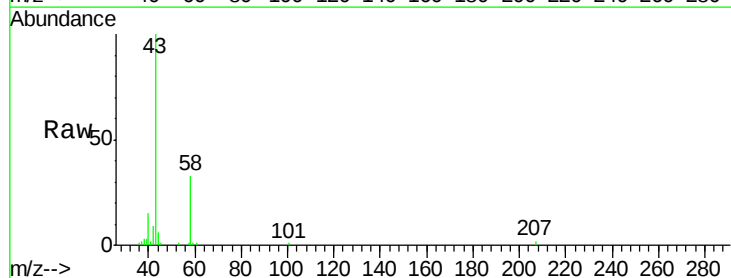
RT: 4.16 min Scan# 381

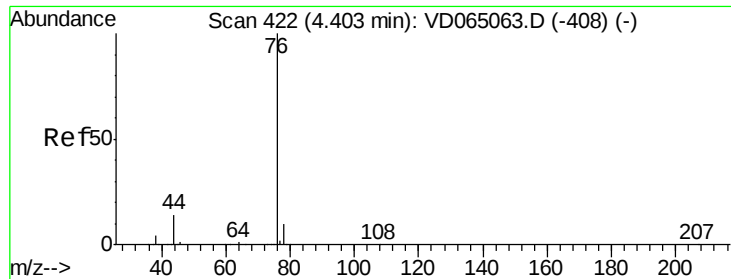
Delta R.T. -0.01 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

Tgt Ion:	43	Resp:	77787
Ion Ratio	Lower	Upper	
43	100		
58	33.0	23.5	35.3





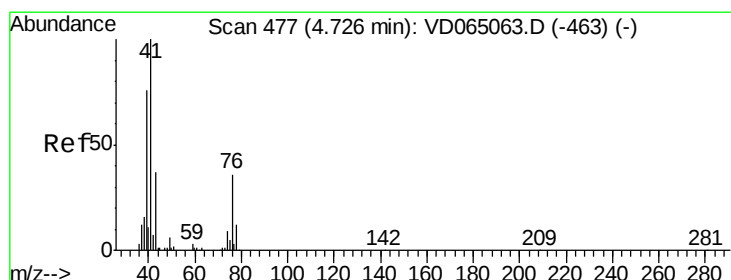
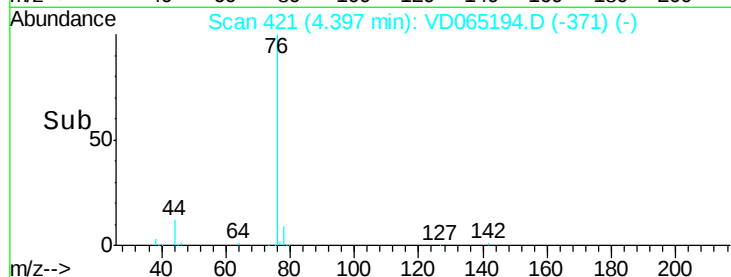
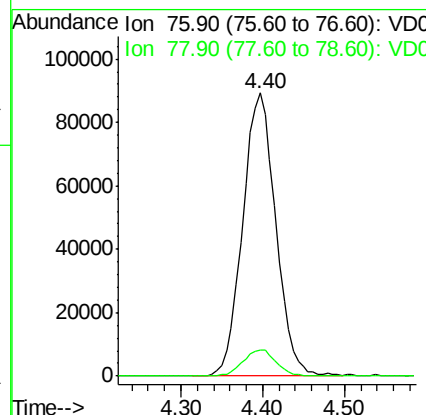
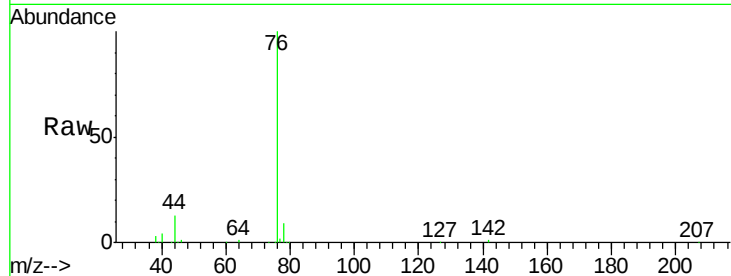
#17
Carbon Disulfide
Concen: 21.499 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.6	11.4

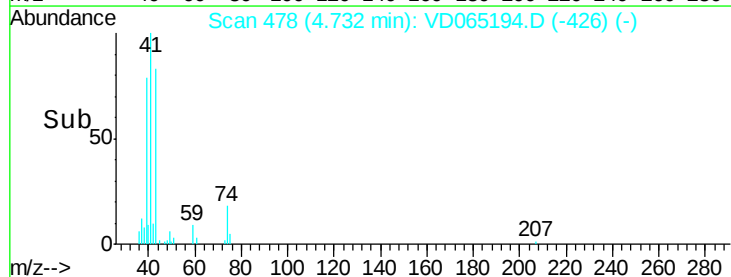
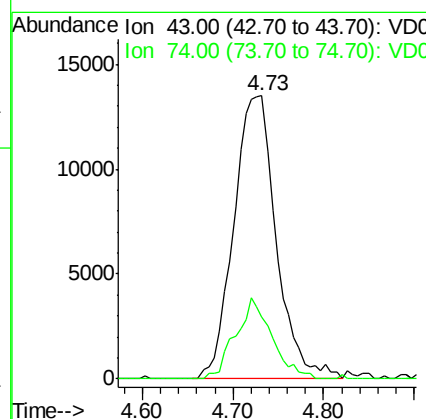
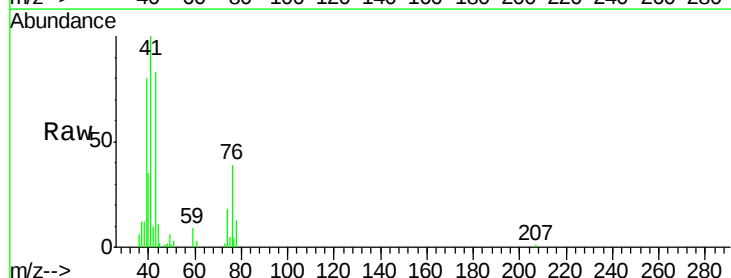
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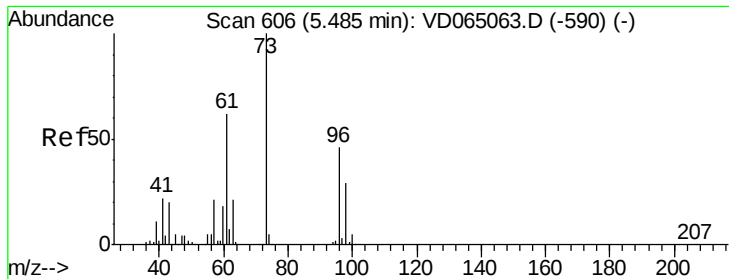
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#18
Methyl Acetate
Concen: 23.998 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	18.7	28.1





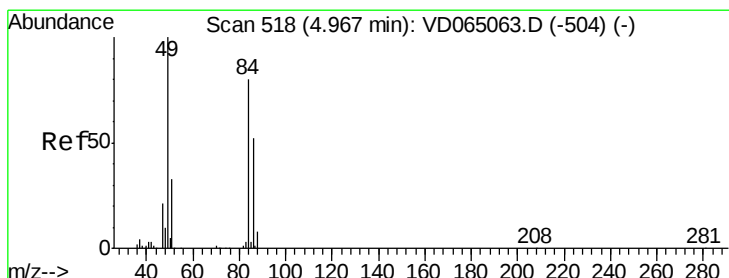
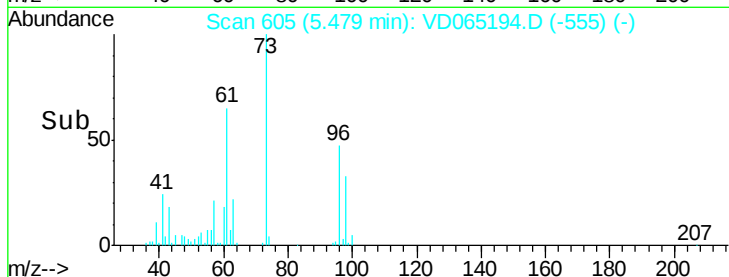
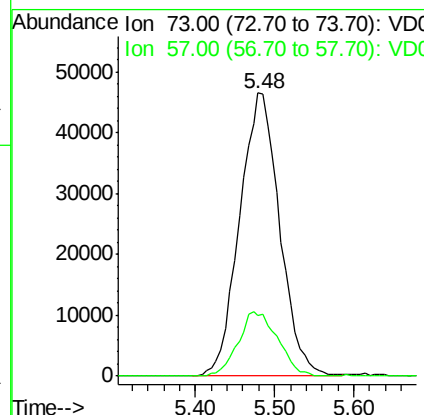
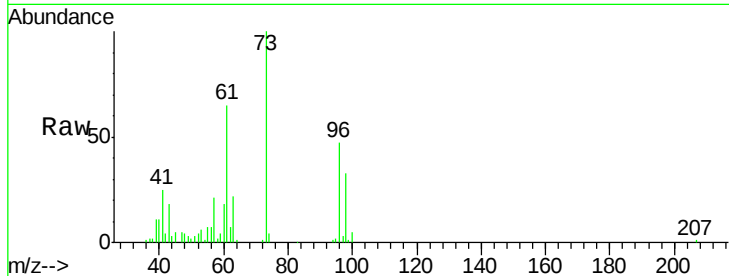
#19
Methvl tert-butvl Ether
Concen: 20.253 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion: 73 Resp: 163137
Ion Ratio Lower Upper
73 100
57 21.4 16.8 25.2

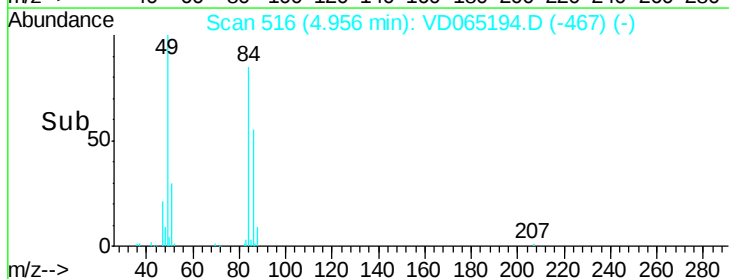
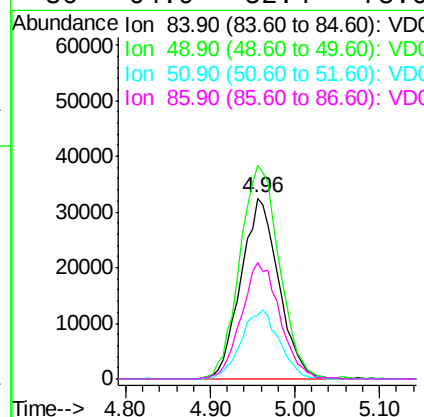
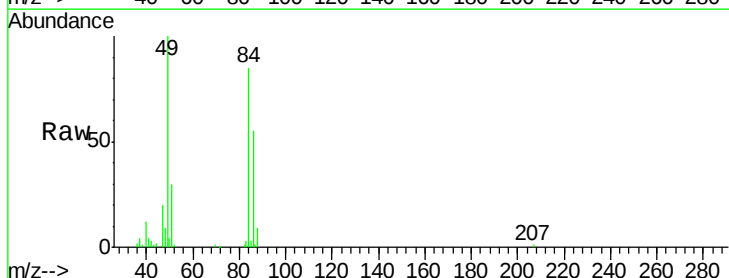
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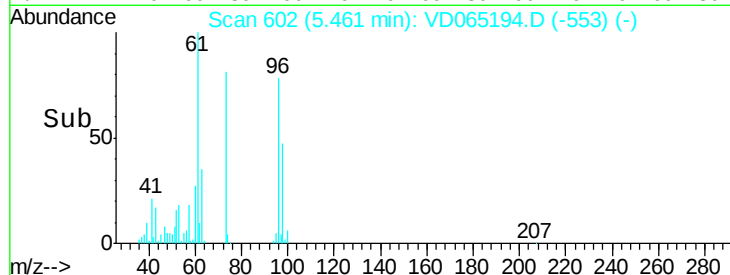
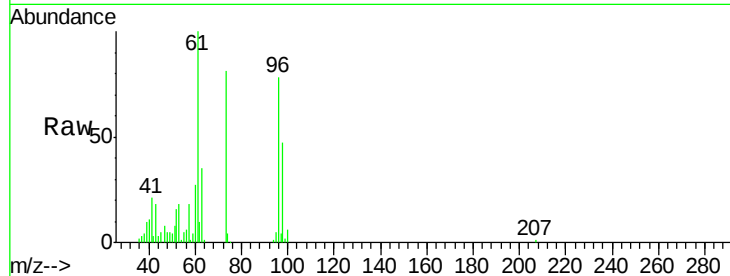
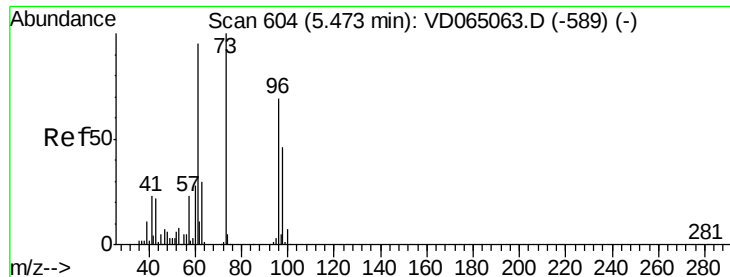
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#20
Methylene Chloride
Concen: 24.100 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Tgt Ion: 84 Resp: 100931
Ion Ratio Lower Upper
84 100
49 118.3 100.4 150.6
51 35.1 32.7 49.1
86 64.9 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 21.907 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

Tot Ion:	96	Resp:	90280
Ion	Ratio	Lower	Upper
96	100		
61	127.5	109.5	164.3
98	59.7	53.7	80.5

Instrument :

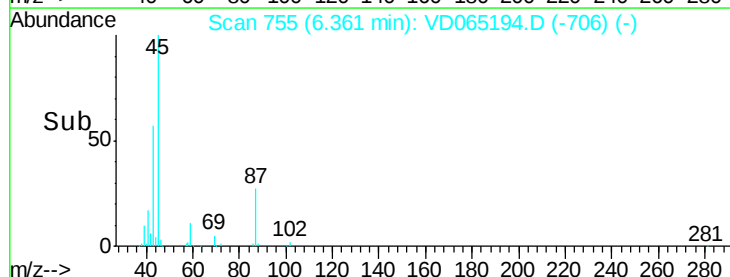
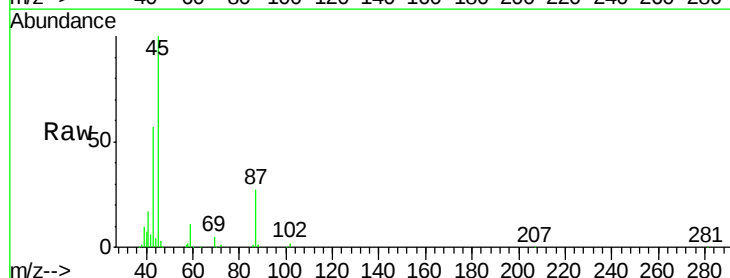
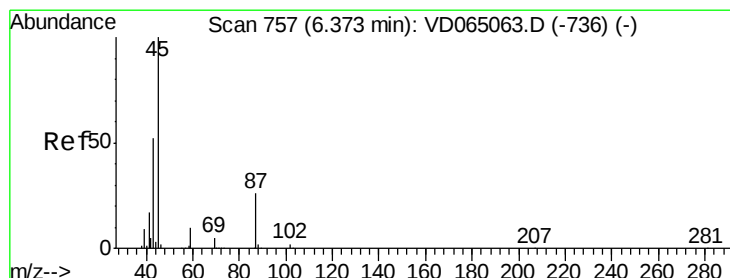
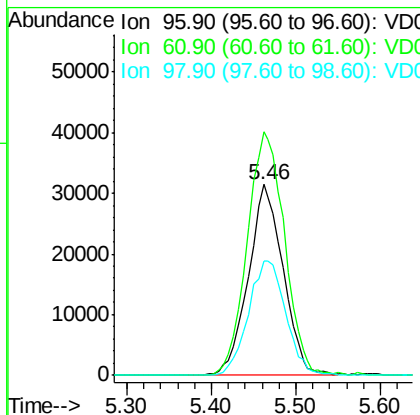
MSVOA_D

ClientSampleId :

VD0217SBS01

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#22

Diisopropyl ether

Concen: 22.208 ug/l

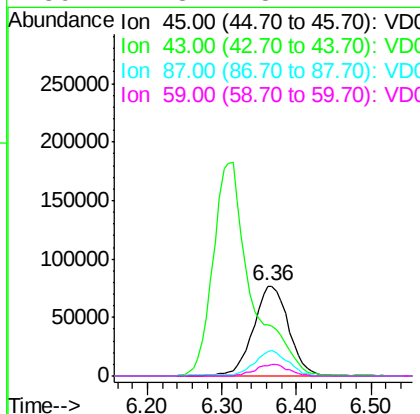
RT: 6.36 min Scan# 755

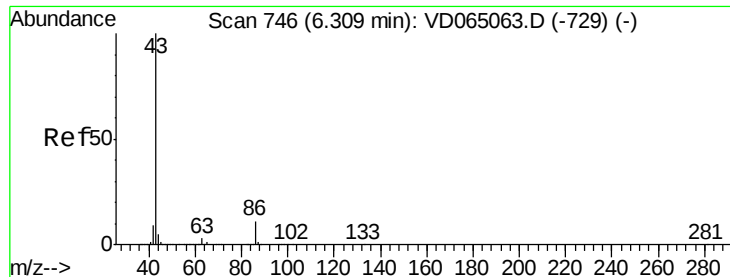
Delta R.T. -0.01 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

Tgt Ion:	45	Resp:	253590
Ion	Ratio	Lower	Upper
45	100		
43	55.2	41.3	61.9
87	26.2	21.0	31.6
59	11.3	8.2	12.4





#23

Vinyl Acetate

Concen: 101.494 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBS01

Tot Ion: 43 Resp: 645984

Ion Ratio Lower Upper

43 100

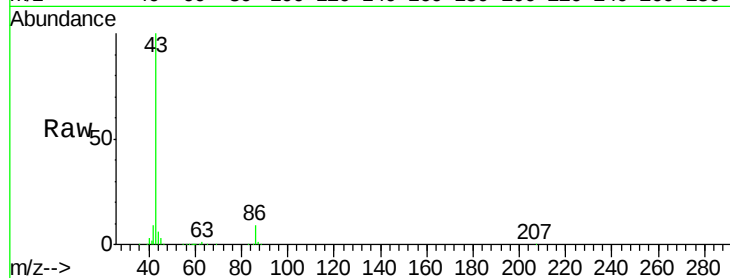
86 9.4 8.5 12.7

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

200000

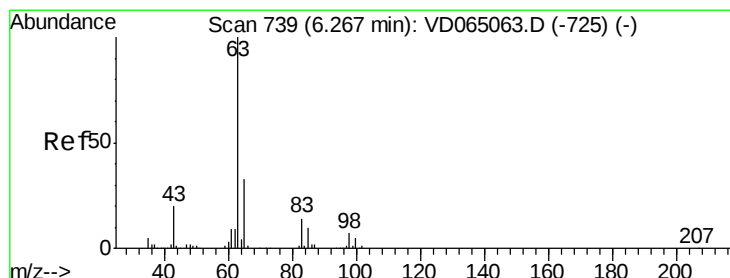
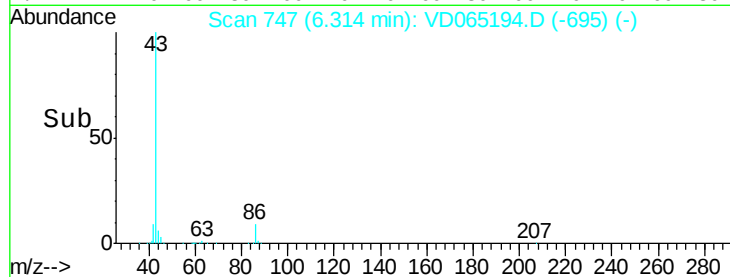
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 23.367 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

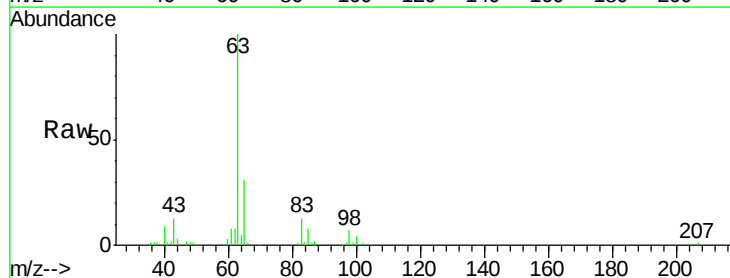
Tgt Ion: 63 Resp: 161509

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

100 4.1 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

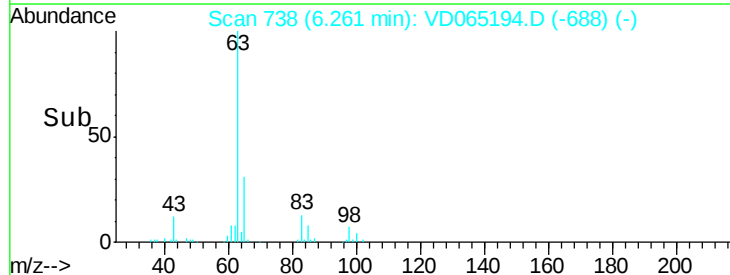
60000

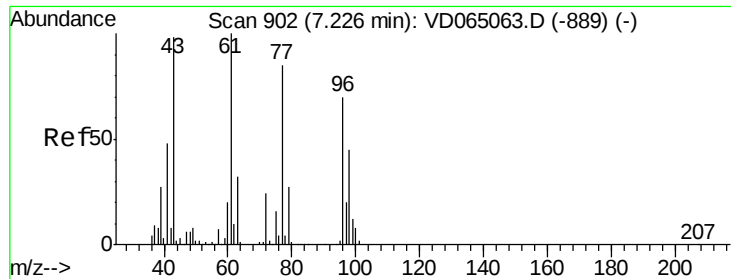
40000

20000

0

Time-->





#25

2-Butanone

Concen: 100.226 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBS01

Tot Ion: 43 Resp: 104833

Ion Ratio Lower Upper

43 100

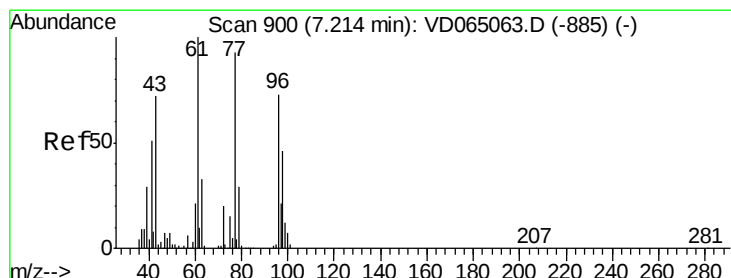
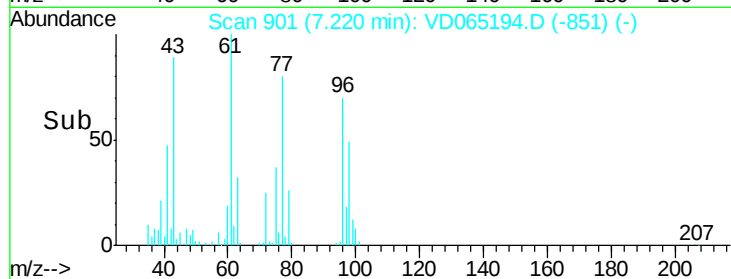
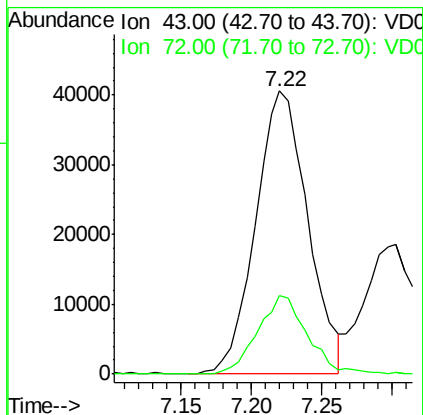
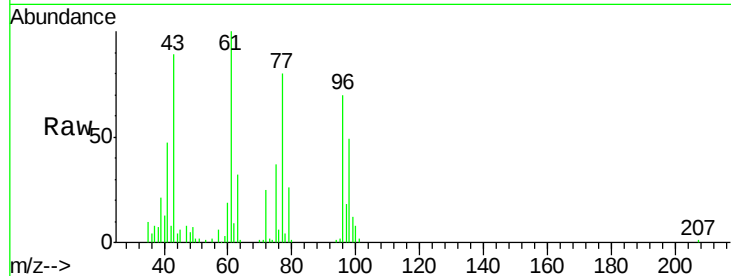
72 27.8 19.9 29.9

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#26

2,2-Dichloropropane

Concen: 21.594 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065194.D

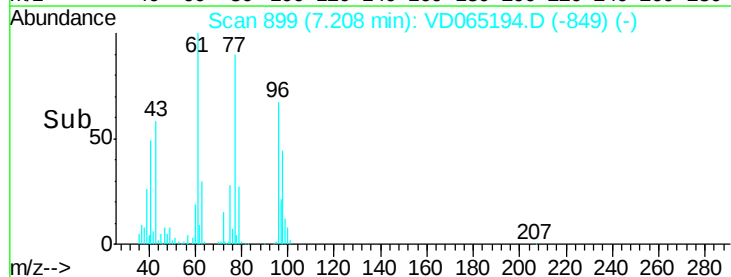
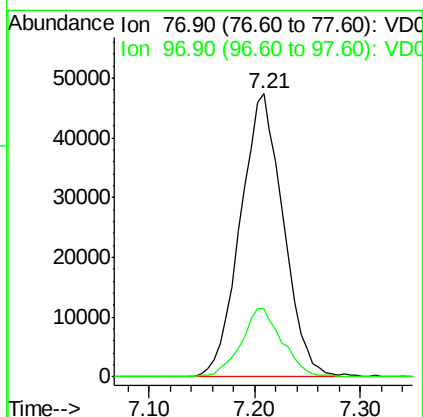
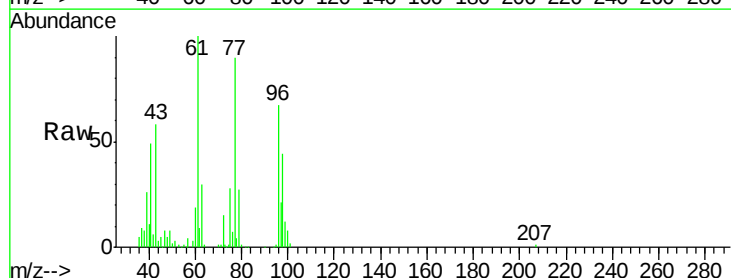
Acq: 17 Feb 2020 14:06

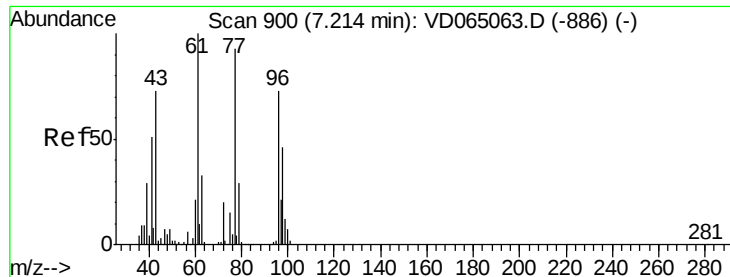
Tgt Ion: 77 Resp: 133779

Ion Ratio Lower Upper

77 100

97 23.1 10.9 32.6





#27

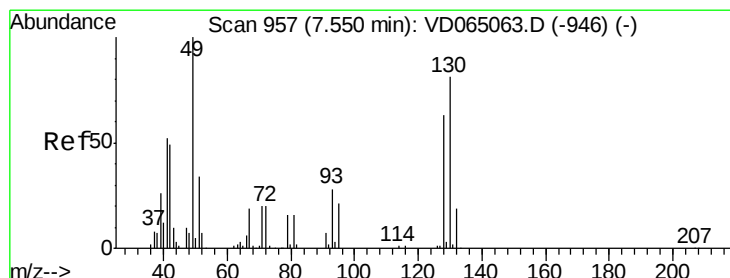
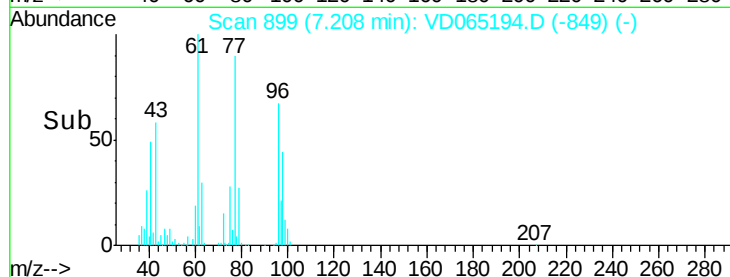
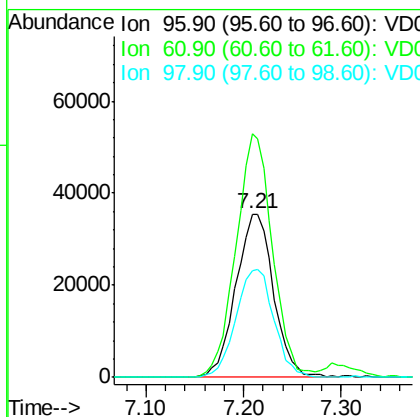
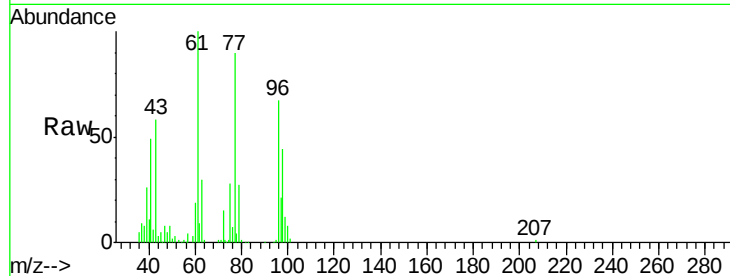
cis-1,2-Dichloroethene
Concen: 21.873 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.3	0.0	292.8
98	66.5	0.0	128.8

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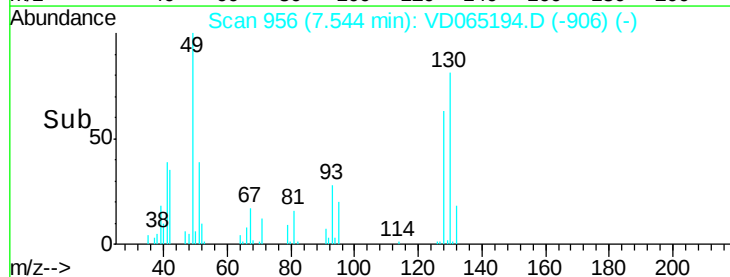
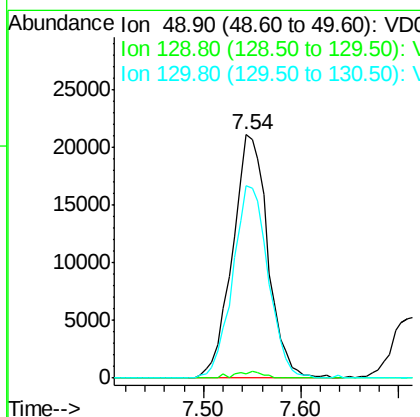
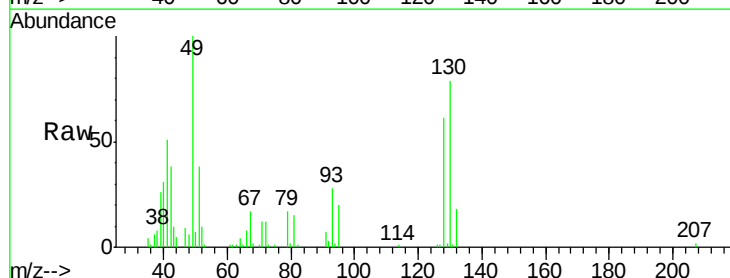
MMDadoda
2/18/2020 10:58:15 AM

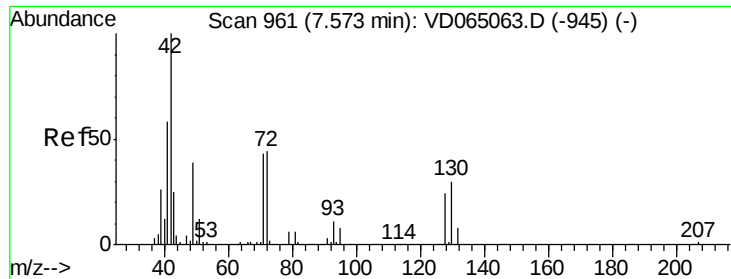


#28

Bromochloromethane
Concen: 20.286 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	79.5	63.8	95.8





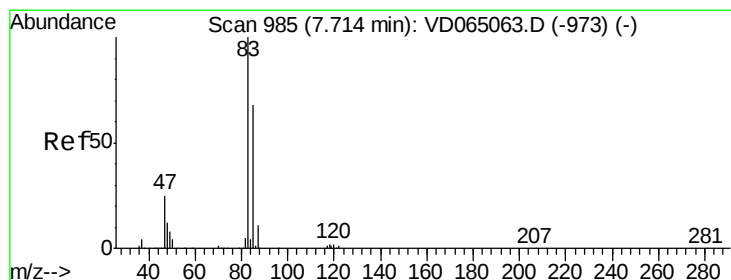
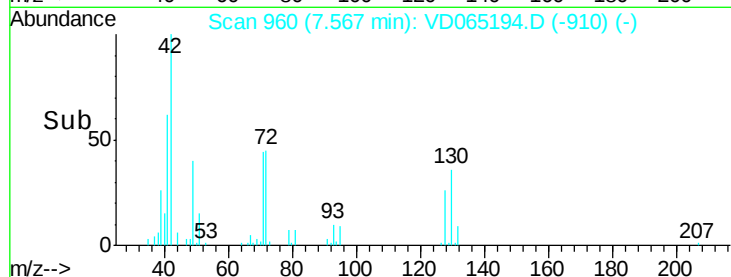
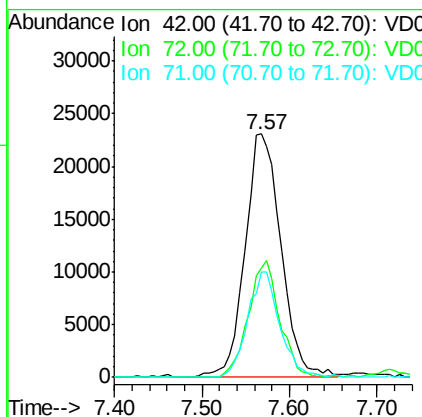
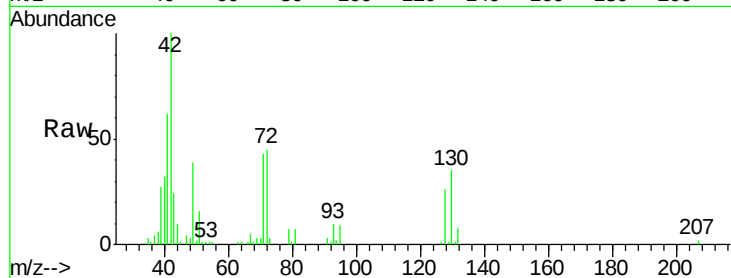
#29
Tetrahydrofuran
Concen: 102.972 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	34.2	51.4
71	38.4	31.8	47.6

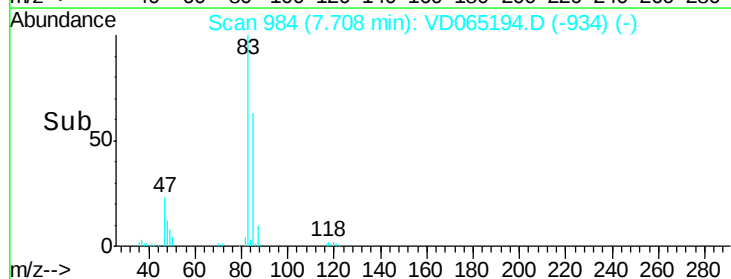
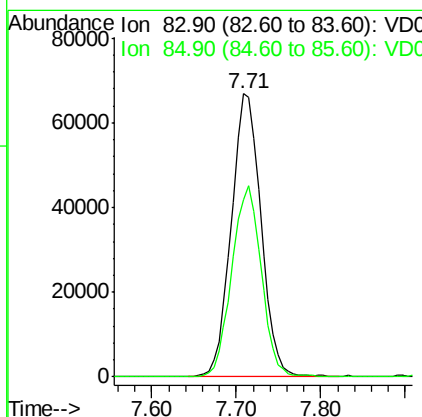
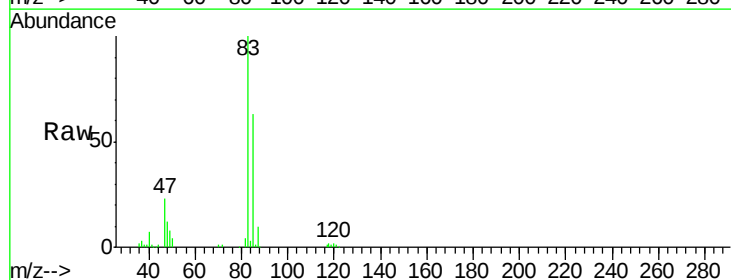
Manual Integrations
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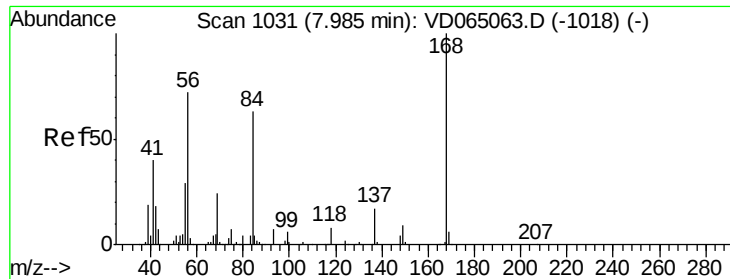
MMDadoda
2/18/2020 10:58:15 AM



#30
Chloroform
Concen: 23.628 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	54.2	81.4





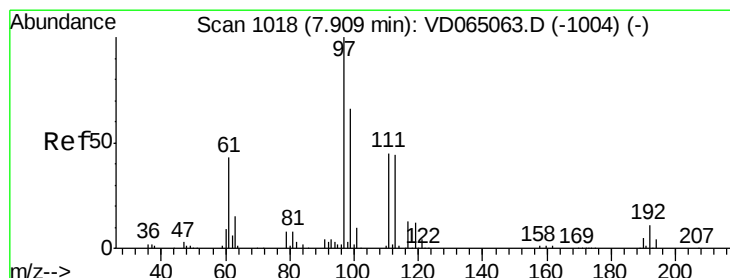
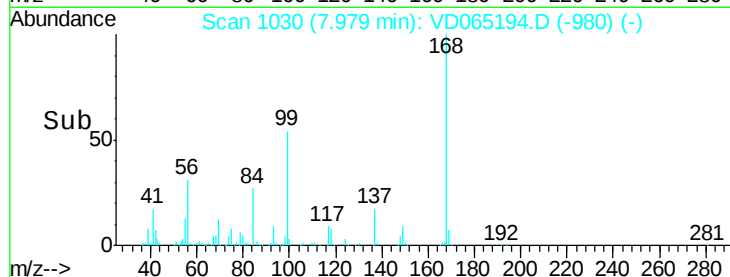
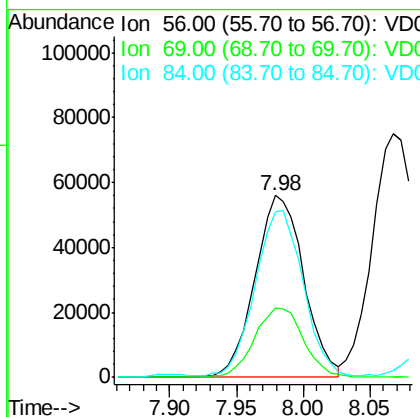
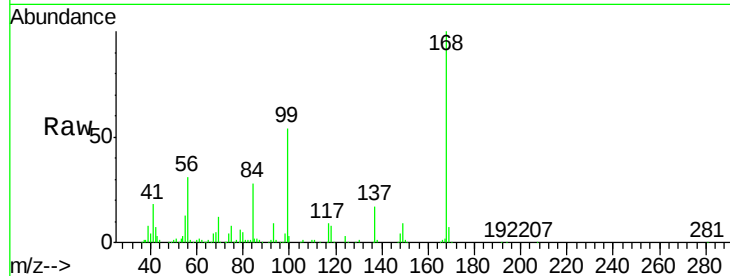
#31
Cyclohexane
Concen: 20.269 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	38.4	26.6	40.0	
84	89.6	70.6	106.0	

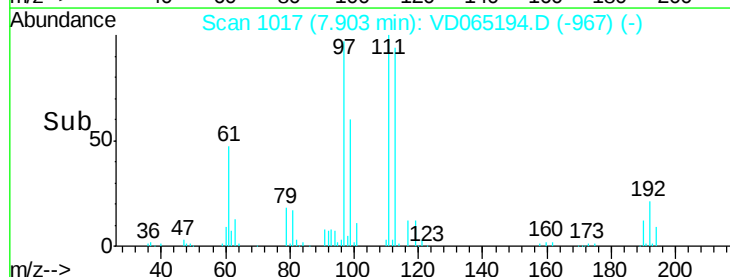
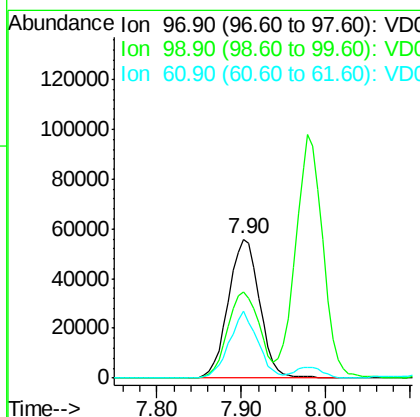
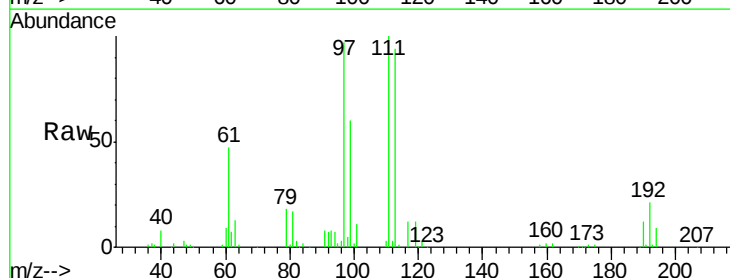
Manual Integrations
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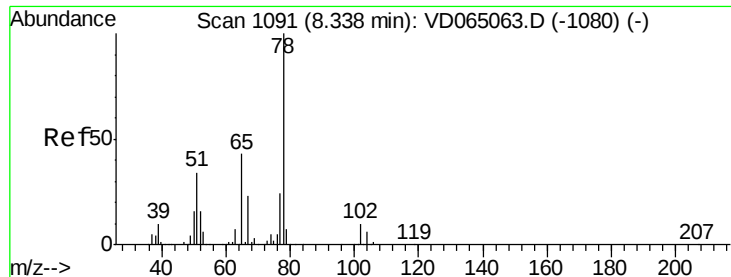
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#32
1,1,1-Trichloroethane
Concen: 22.209 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.4	51.5	77.3	
61	43.6	34.8	52.2	





#33

1,2-Dichloroethane-d4

Concen: 55.258 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBS01

Tot Ion: 65 Resp: 193802

Ion Ratio Lower Upper

65 100

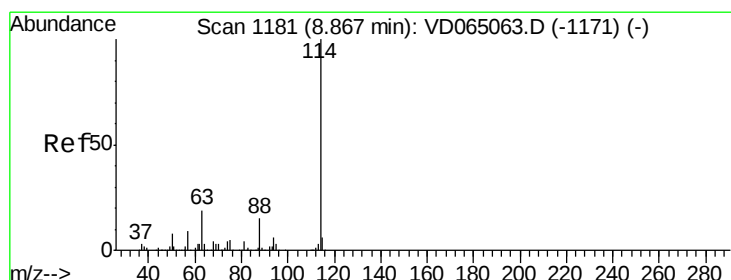
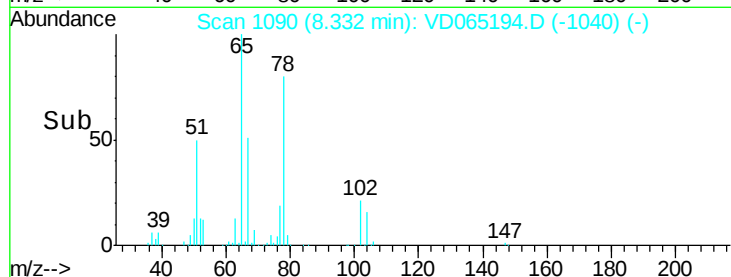
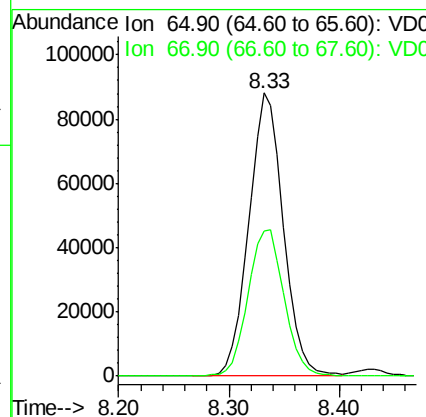
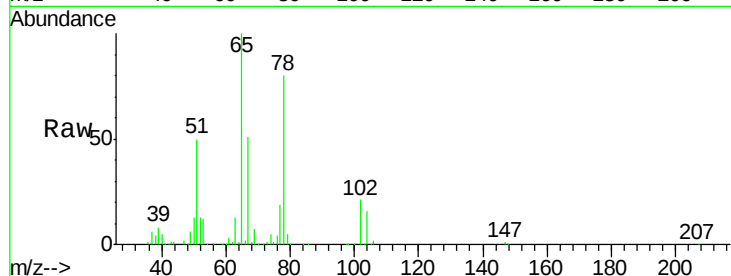
67 54.4 0.0 105.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

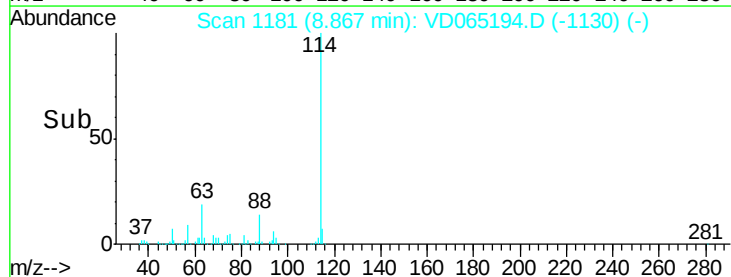
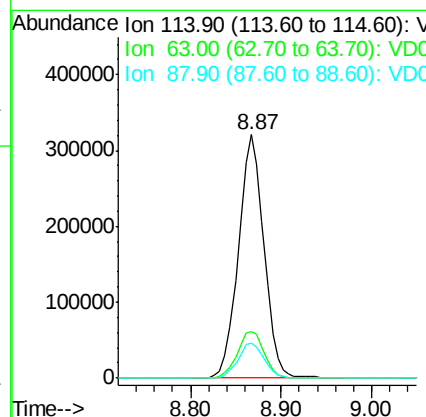
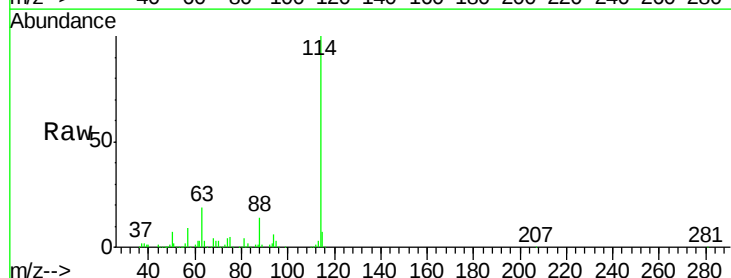
Tgt Ion: 114 Resp: 626501

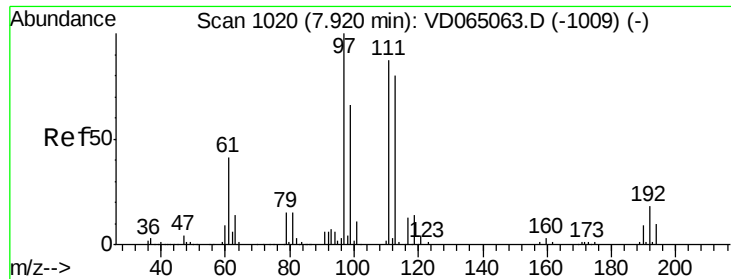
Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.8

88 14.2 0.0 29.6





#35

Dibromofluoromethane

Concen: 57.271 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

Instrument :

MSVOA_D

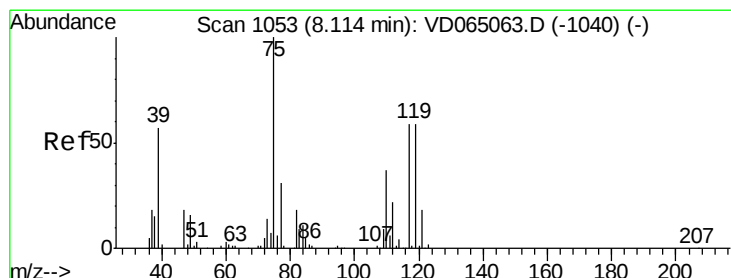
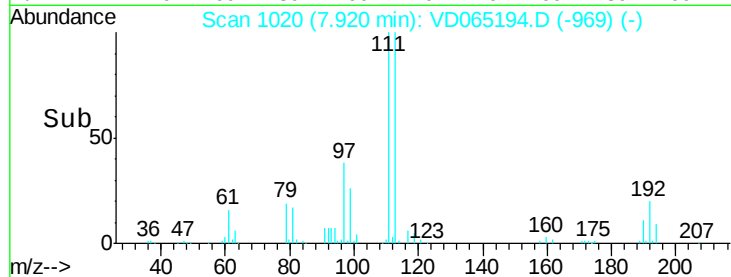
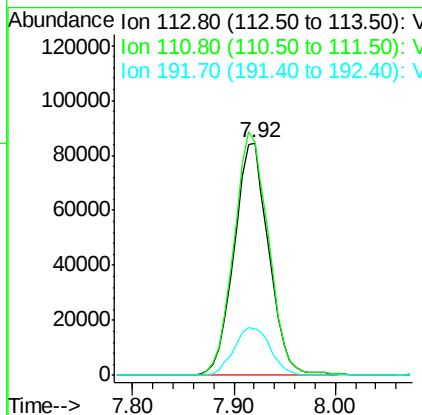
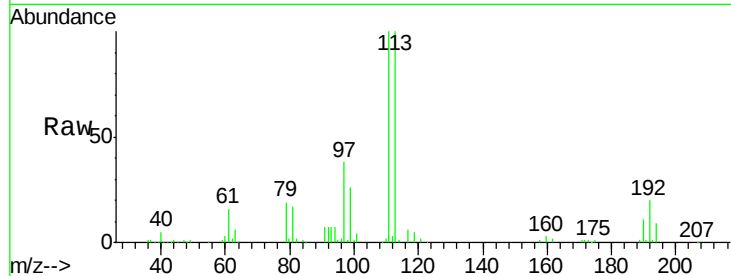
ClientSampleId :

VD0217SBS01

Tot Ion:	113	Resp:	200190
Ion Ratio	Lower	Upper	
113	100		
111	105.5	83.1	124.7
192	21.7	18.1	27.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.637 ug/l

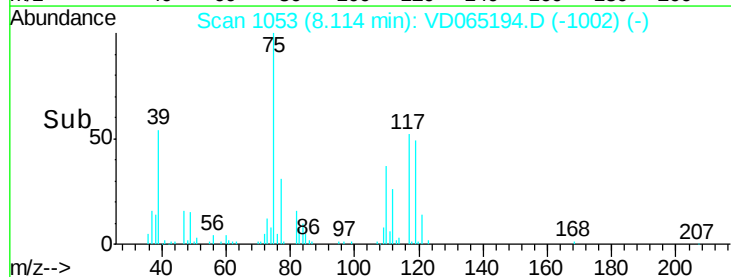
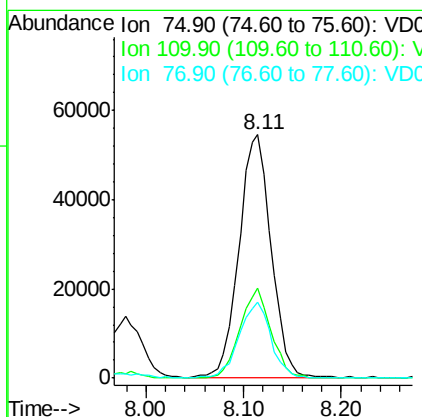
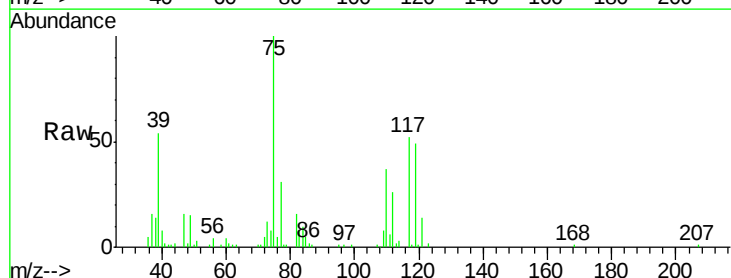
RT: 8.11 min Scan# 1053

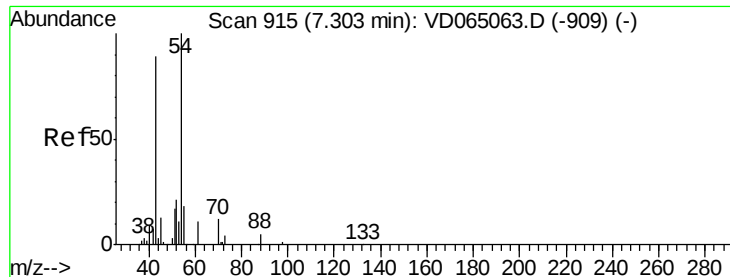
Delta R.T. -0.00 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

Tgt Ion:	75	Resp:	126045
Ion Ratio	Lower	Upper	
75	100		
110	35.3	18.1	54.3
77	30.8	24.7	37.1





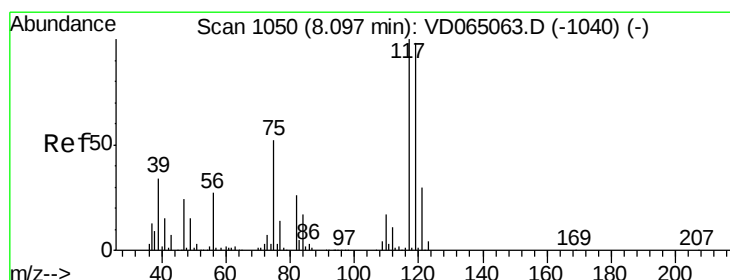
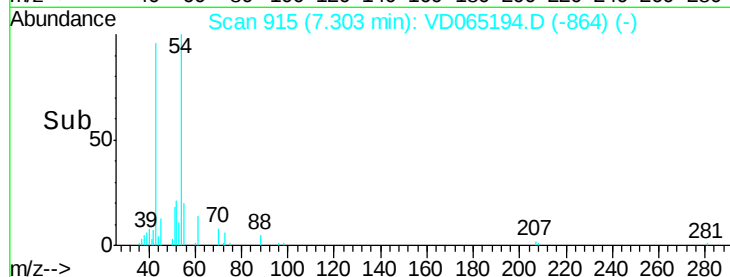
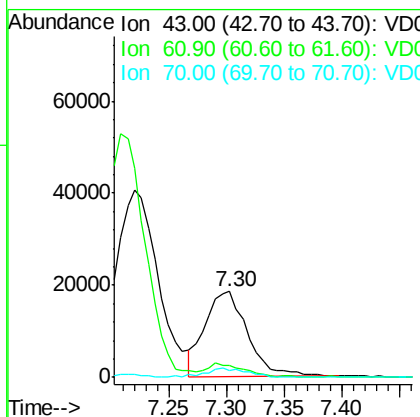
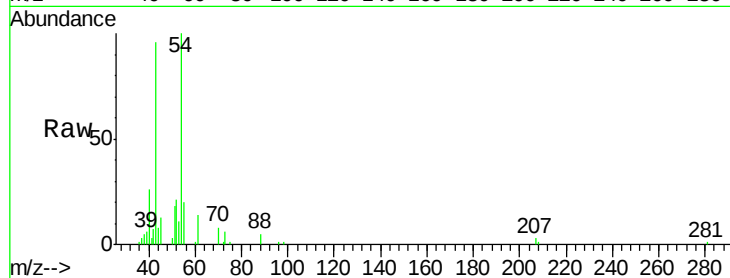
#37
Ethyl Acetate
Concen: 19.894 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.0	16.4
70	10.6	8.2	12.2

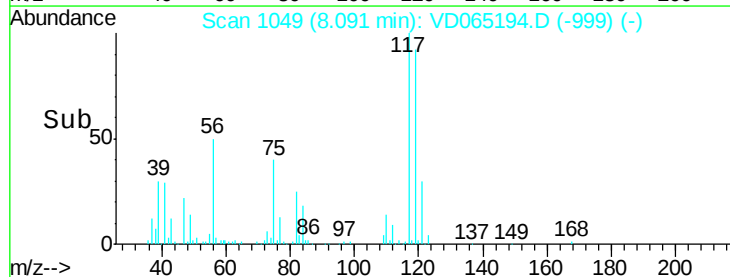
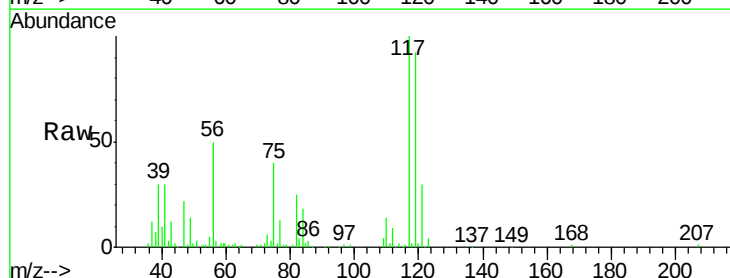
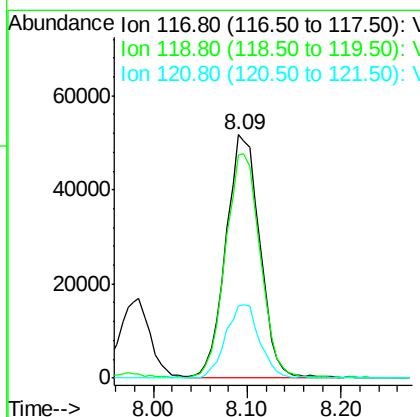
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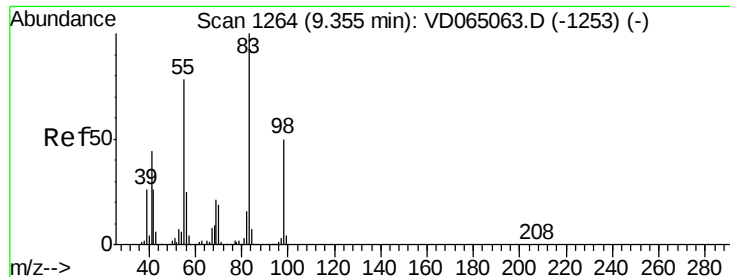
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#38
Carbon Tetrachloride
Concen: 21.873 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.3	78.5	117.7
121	29.6	23.8	35.6





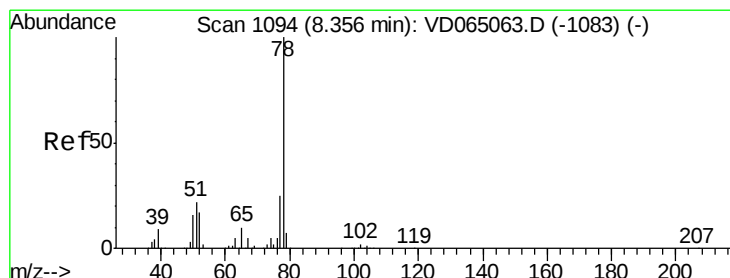
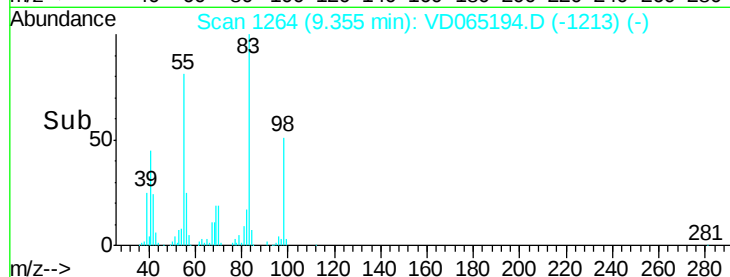
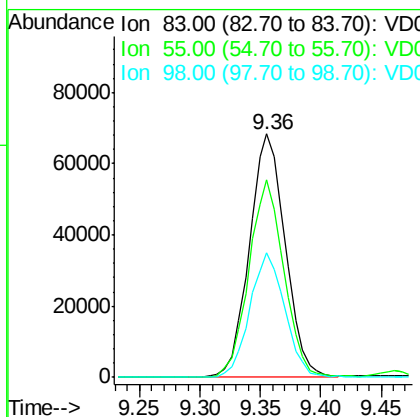
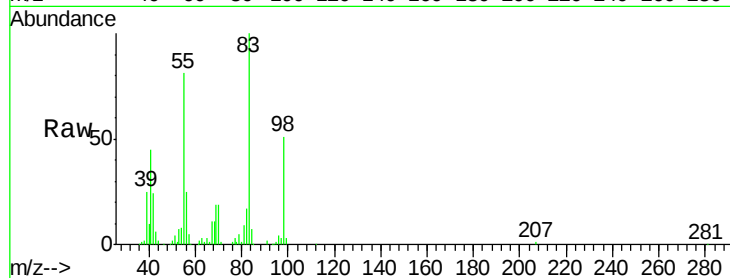
#39
Methvlcvclohexane
Concen: 19.645 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.0	62.0	93.0
98	51.1	39.9	59.9

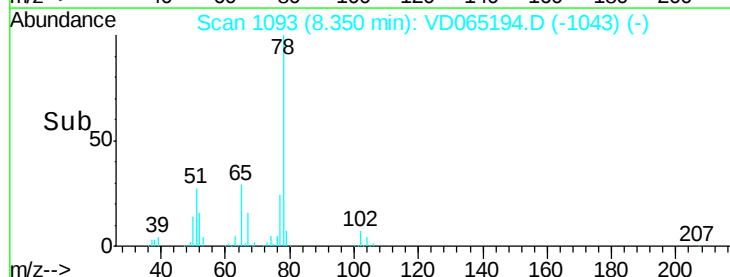
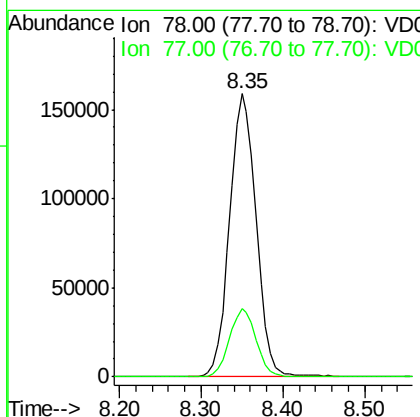
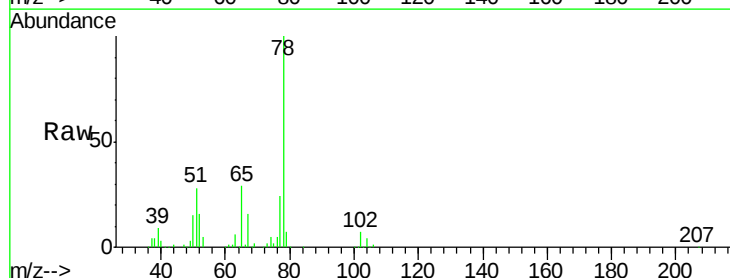
Manual Integrations
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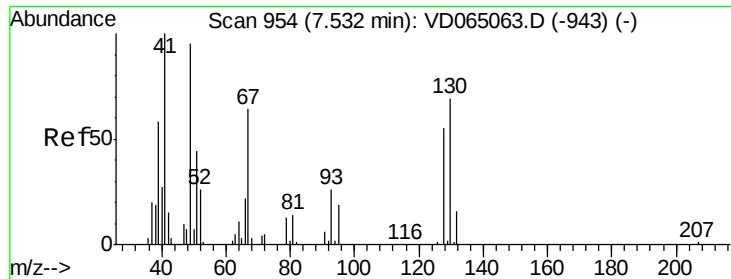
MMDadoda
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#40
Benzene
Concen: 22.341 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.6	29.4





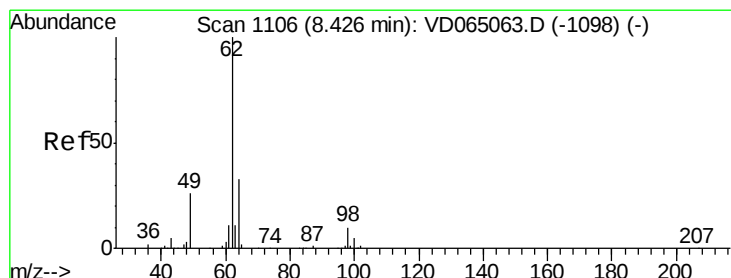
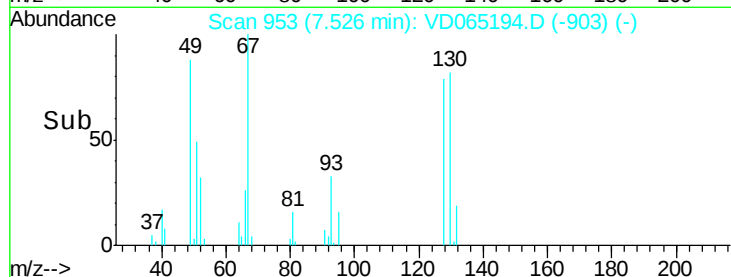
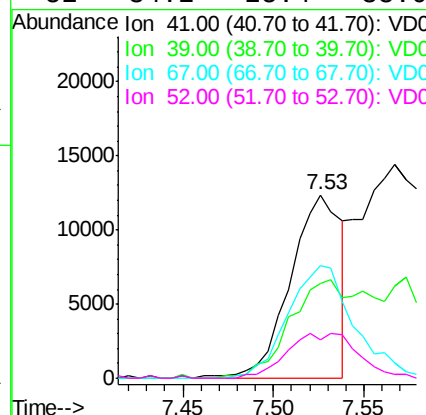
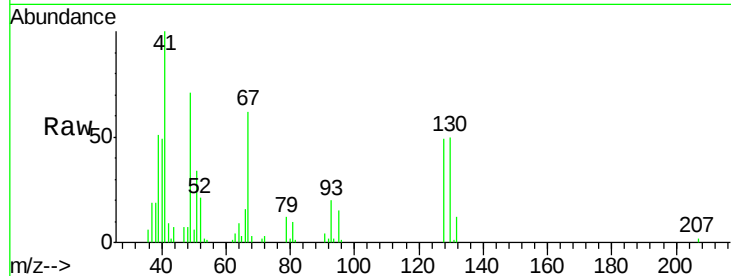
#41
Methacrylonitrile
Concen: 18.555 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion	41	Resp	24329
Ion Ratio	Lower	Upper	
41	100		
39	62.8	55.4	83.0
67	79.9	59.0	88.6
52	34.2	25.4	38.0

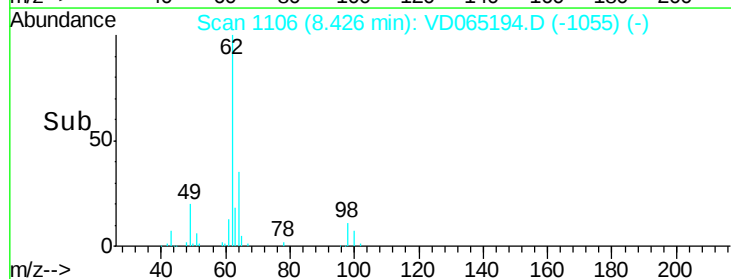
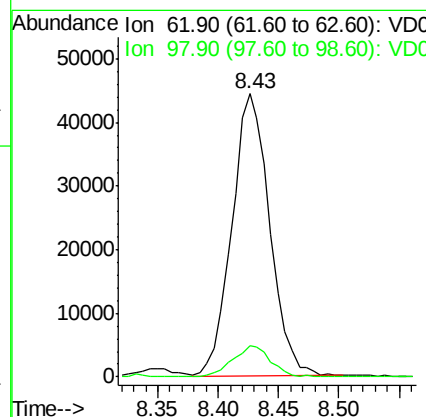
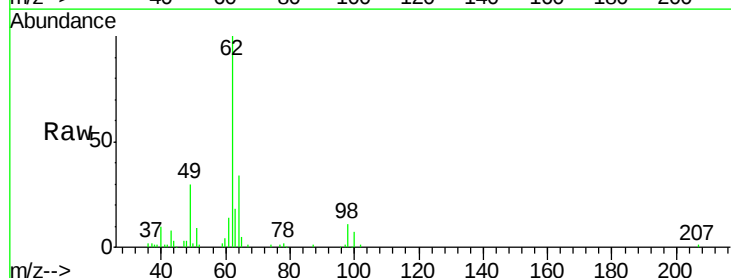
Manual Integrations
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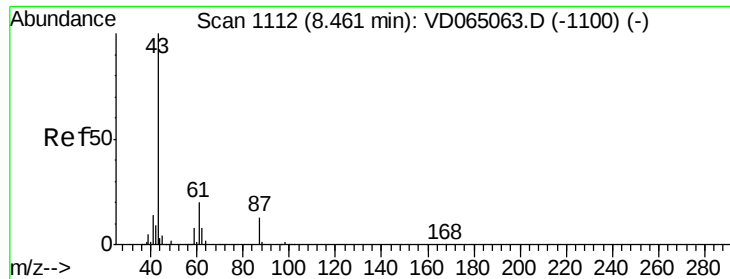
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.049 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Tgt Ion	62	Resp	96486
Ion Ratio	Lower	Upper	
62	100		
98	11.0	0.0	18.6





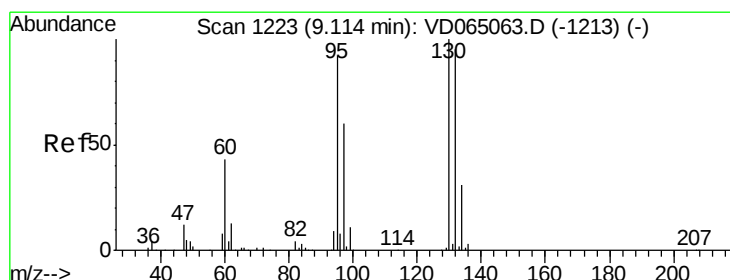
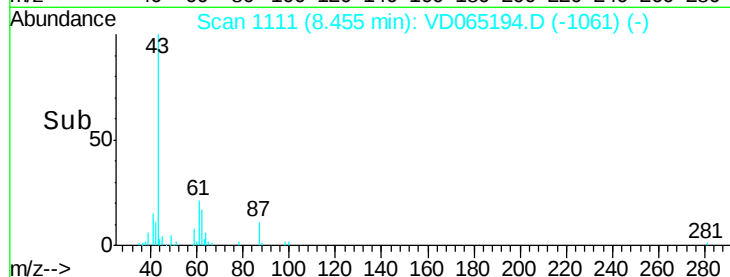
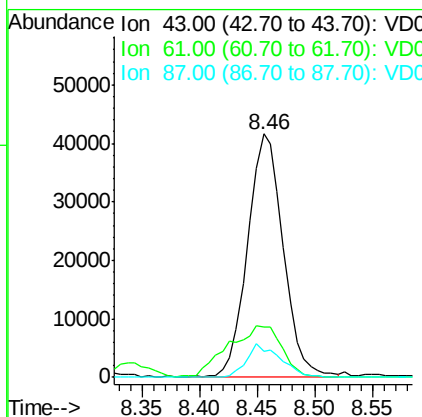
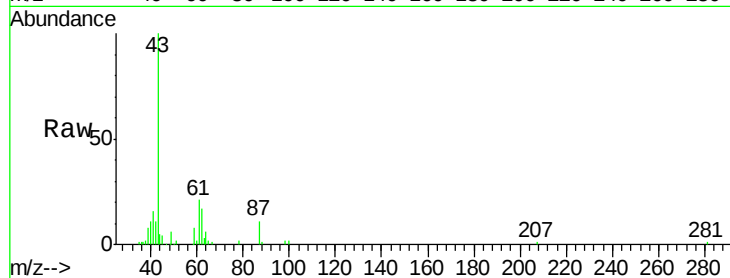
#43
Isopropyl Acetate
Concen: 19.718 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.0	24.0	36.0
87	13.1	10.2	15.4

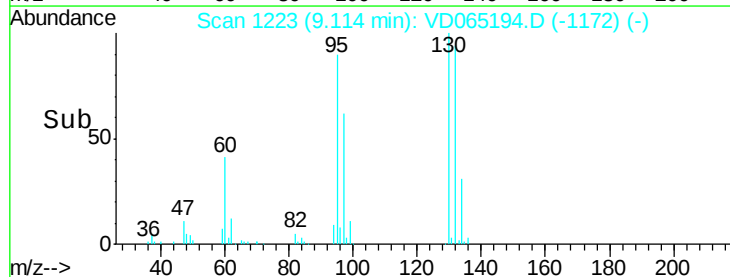
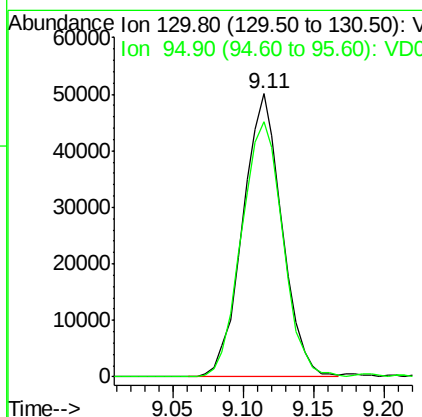
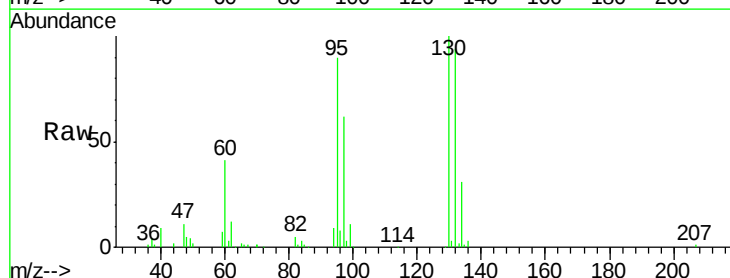
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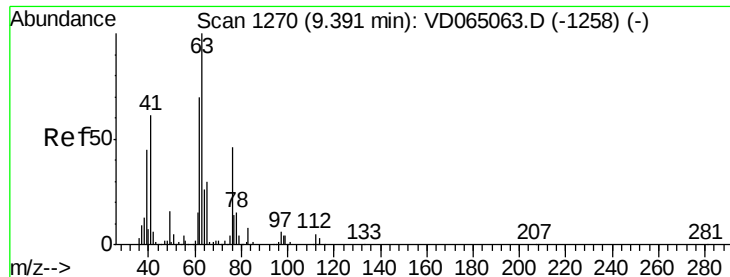
MMDadoda
2/18/2020 10:58:15 AM



#44
Trichloroethene
Concen: 21.139 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	185.0





#45

1,2-Dichloropropane

Concen: 22.668 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBS01

Tot Ion: 63 Resp: 87430

Ion Ratio Lower Upper

63 100

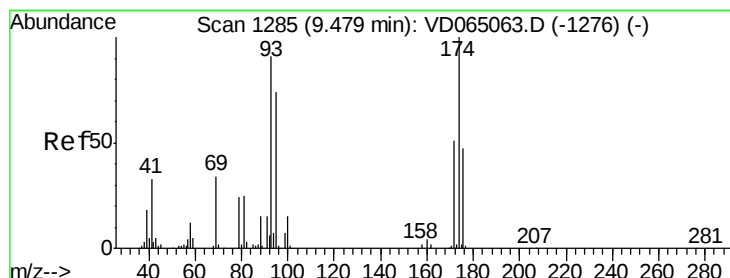
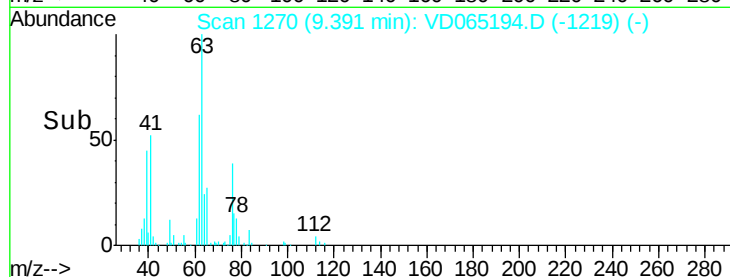
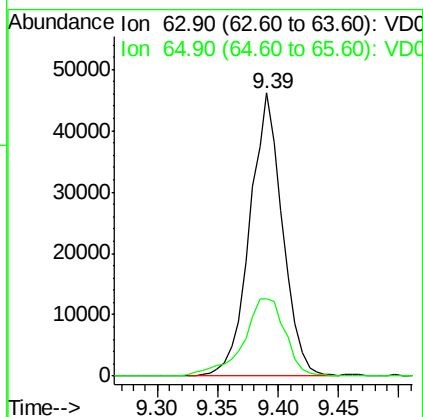
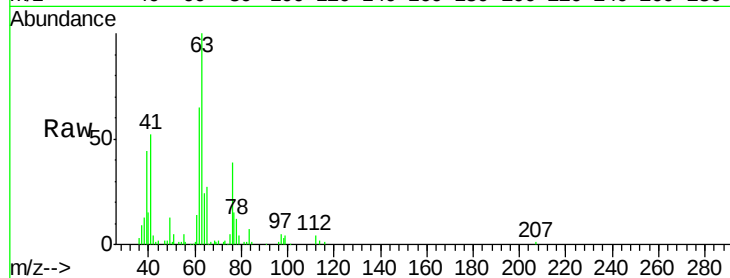
65 27.1 23.9 35.9

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#46

Dibromomethane

Concen: 22.198 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

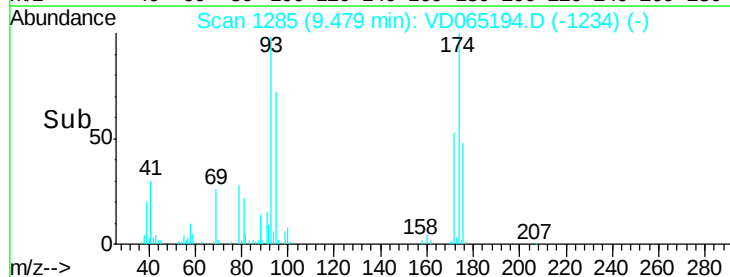
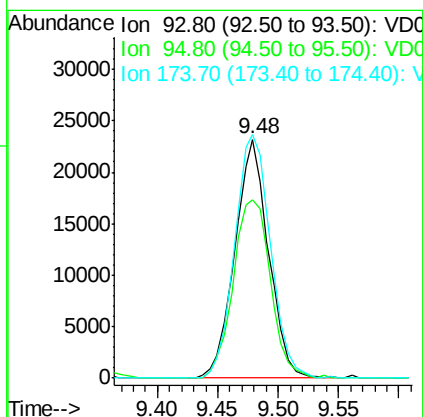
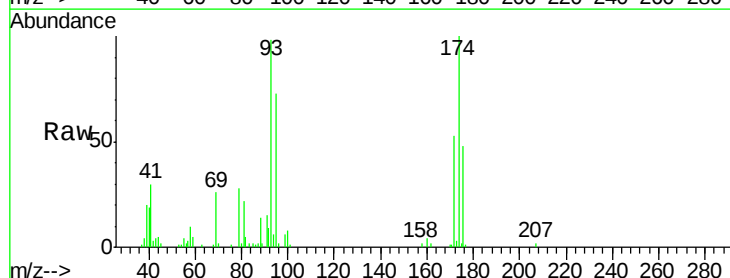
Tgt Ion: 93 Resp: 44991

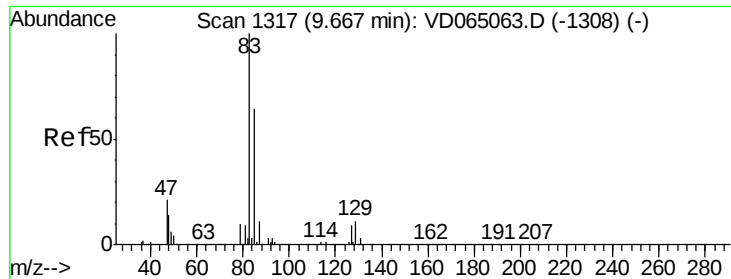
Ion Ratio Lower Upper

93 100

95 82.6 66.5 99.7

174 108.2 89.8 134.8





#47

Bromodichloromethane

Concen: 22.539 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

Instrument :

MSVOA_D

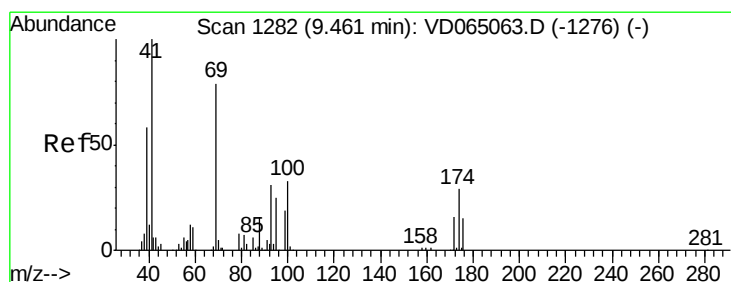
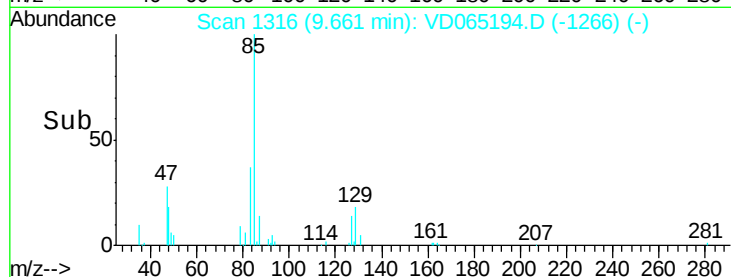
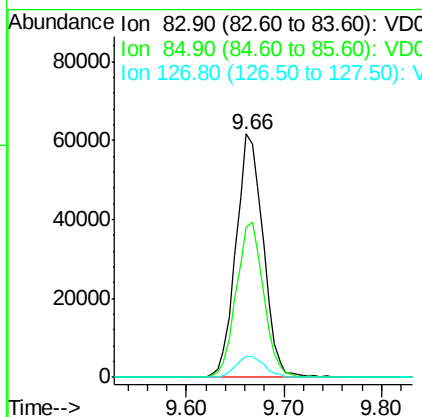
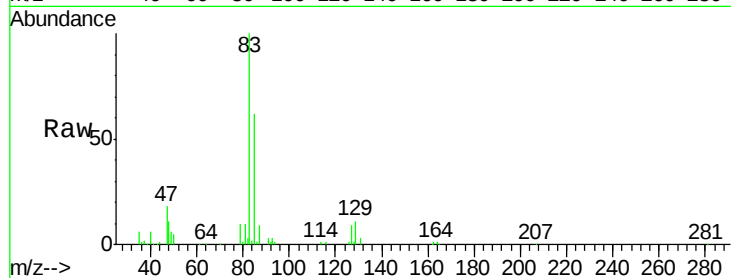
ClientSampleId :

VD0217SBS01

Tot Ion:	83	Resp:	120364
Ion Ratio	Lower	Upper	
83	100		
85	61.9	51.0	76.6
127	8.8	7.3	10.9

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#48

Methyl methacrylate

Concen: 19.041 ug/l

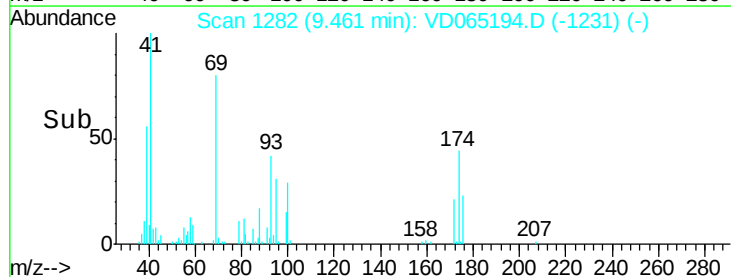
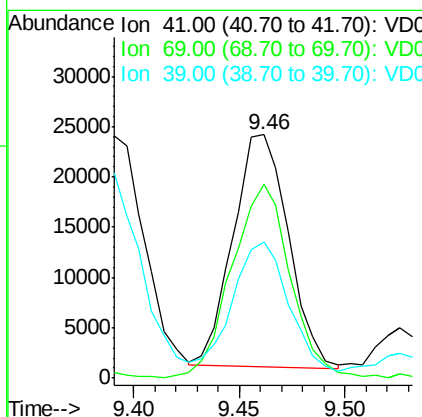
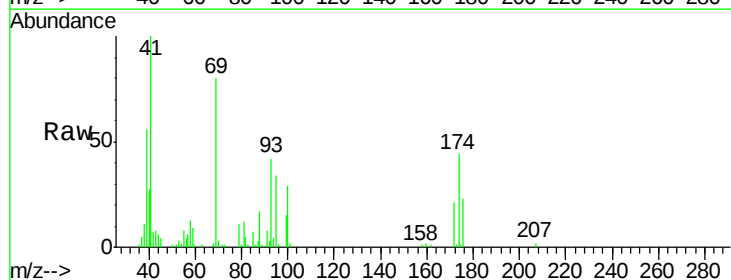
RT: 9.46 min Scan# 1282

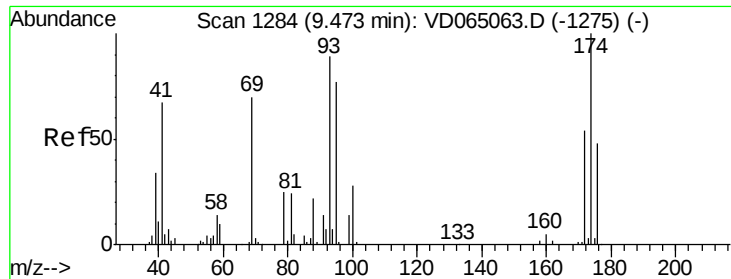
Delta R.T. -0.00 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

Tgt Ion:	41	Resp:	41714
Ion Ratio	Lower	Upper	
41	100		
69	88.9	67.5	101.3
39	63.0	47.0	70.4





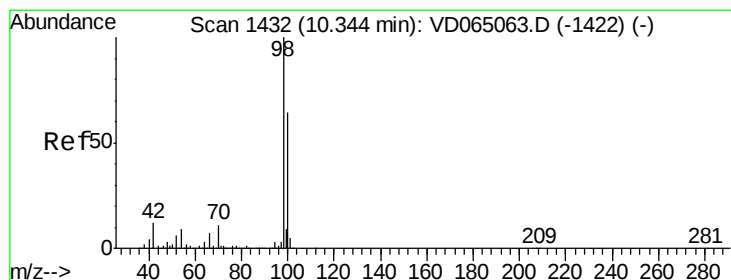
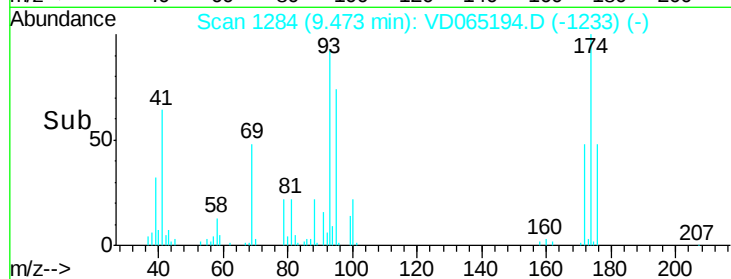
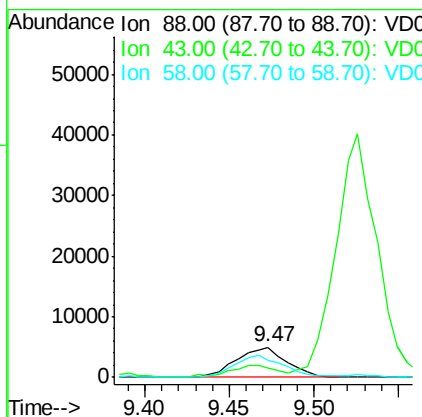
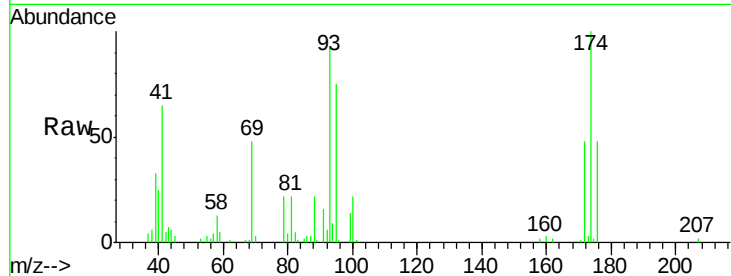
#49
1,4-Dioxane
Concen: 422.232 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion	88	Resp	10136
Ion	Ratio	Lower	Upper
88	100		
43	39.2	27.7	41.5
58	71.8	55.5	83.3

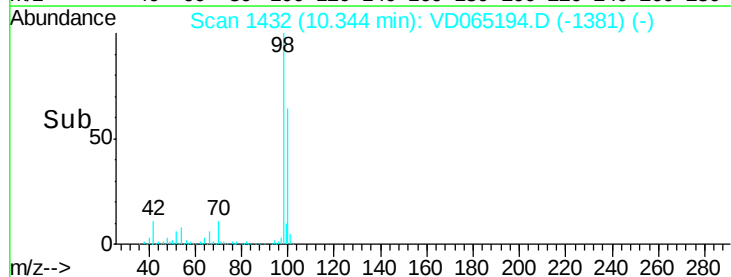
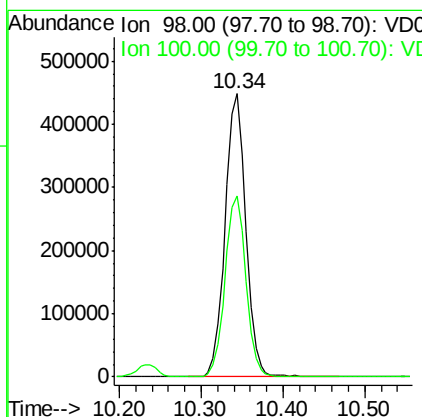
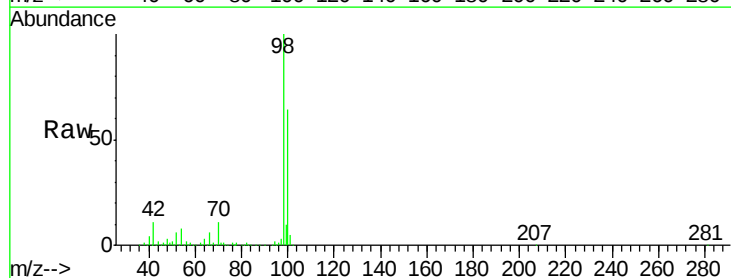
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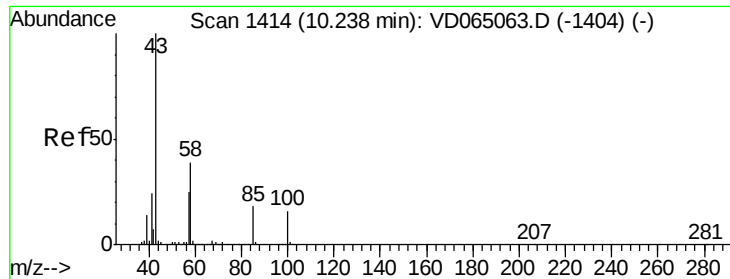
MMDadoda
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#50
Toluene-d8
Concen: 56.999 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Tgt Ion	98	Resp	793032
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 100.763 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBS01

Tot Ion: 43 Resp: 225799

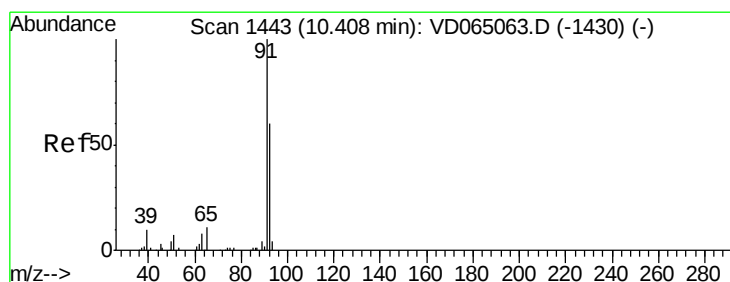
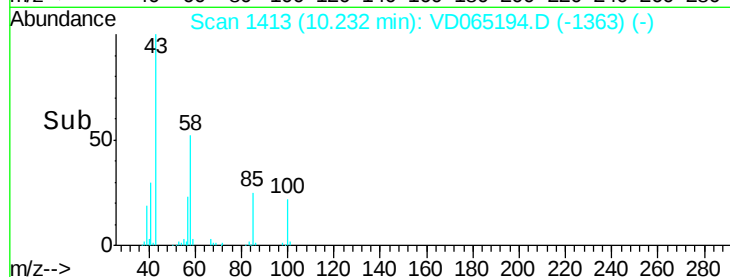
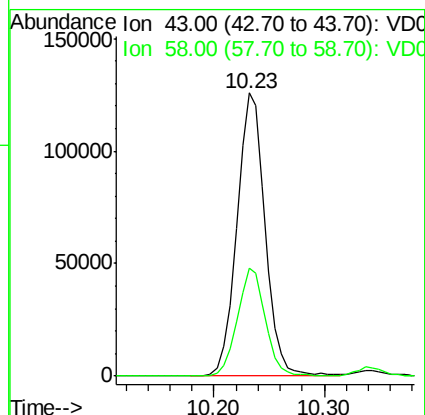
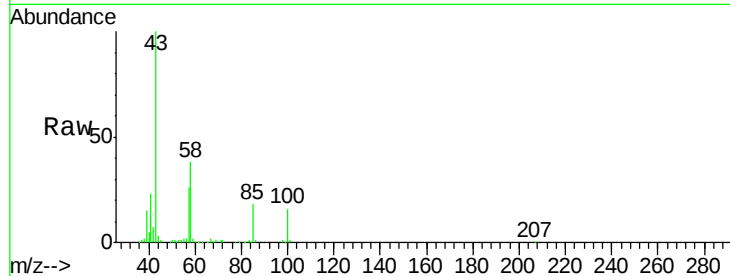
Ion Ratio Lower Upper

43 100

58 37.8 30.2 45.2

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#52

Toluene

Concen: 22.336 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065194.D

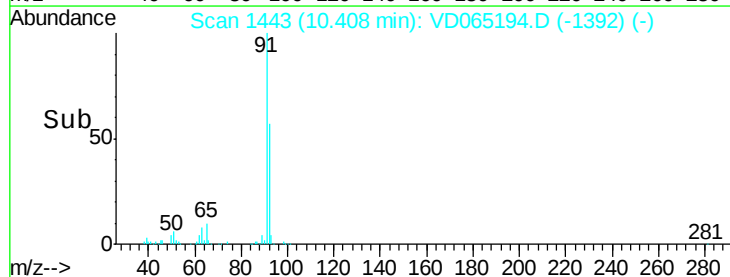
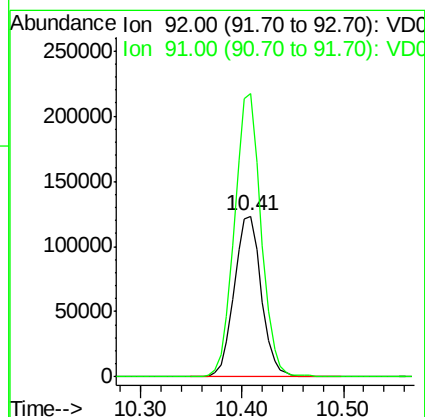
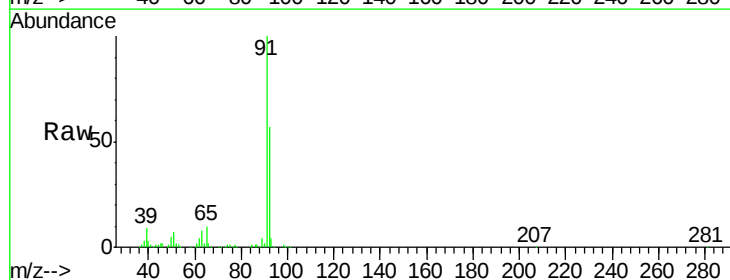
Acq: 17 Feb 2020 14:06

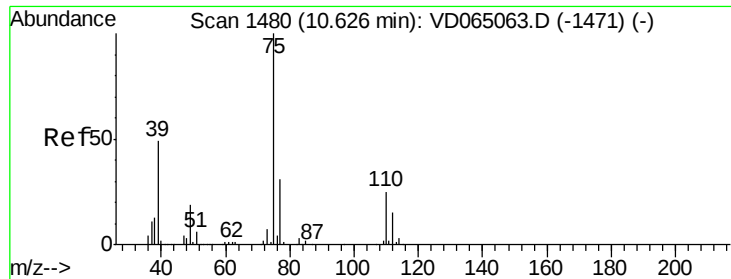
Tgt Ion: 92 Resp: 229333

Ion Ratio Lower Upper

92 100

91 173.2 135.3 202.9





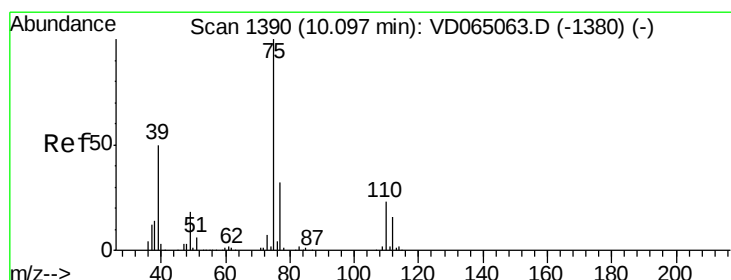
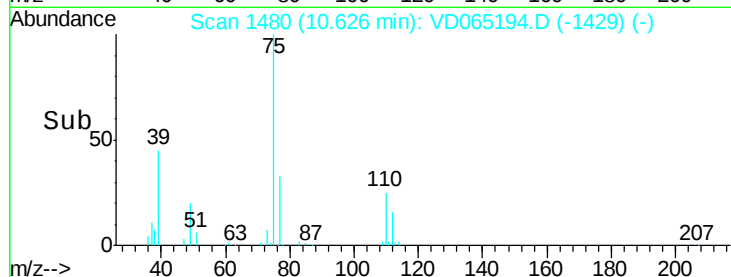
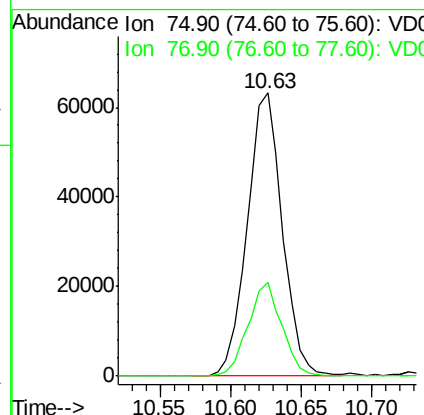
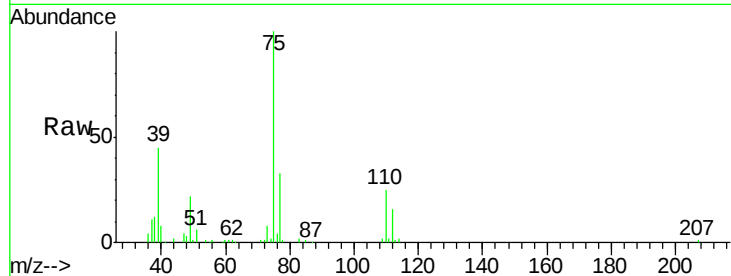
#53
 t-1,3-Dichloropropene
 Concen: 21.196 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065194.D
 Acq: 17 Feb 2020 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.1	24.9	37.3

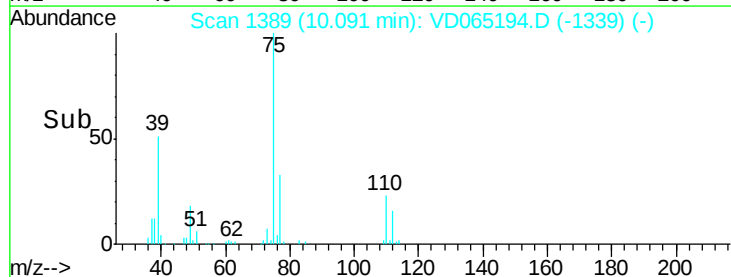
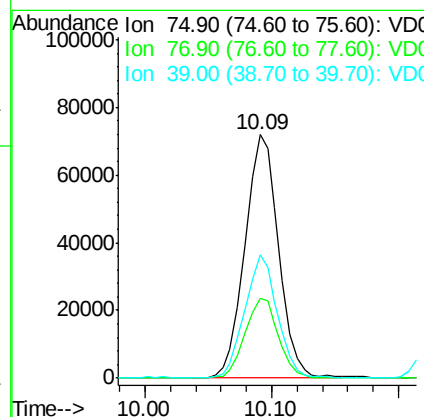
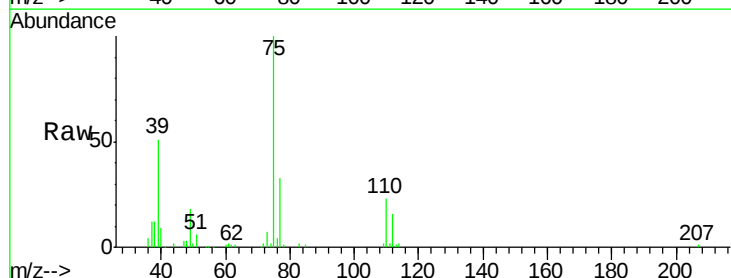
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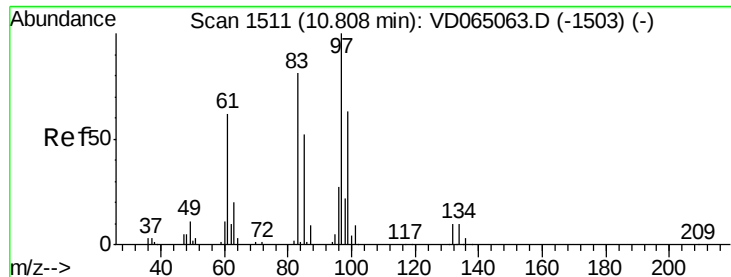
MMDadoda
 2/18/2020 10:58:15 AM



#54
 cis-1,3-Dichloropropene
 Concen: 21.326 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD065194.D
 Acq: 17 Feb 2020 14:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.3	37.9
39	50.3	40.3	60.5





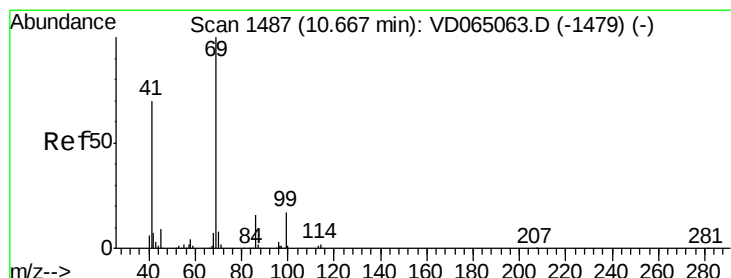
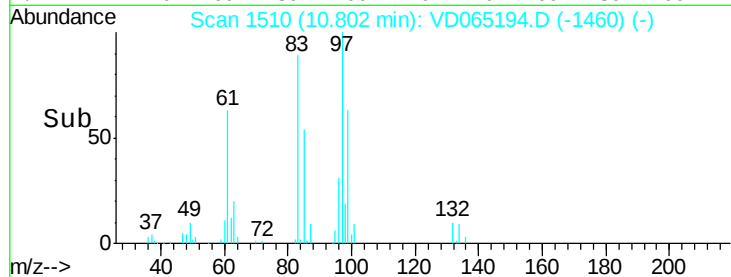
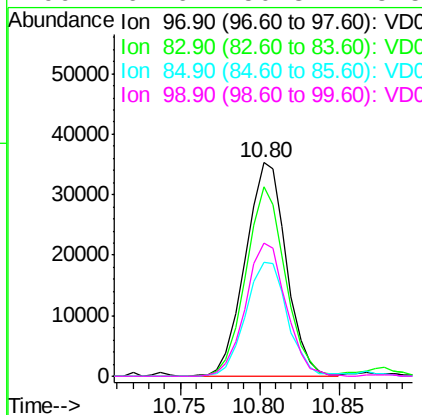
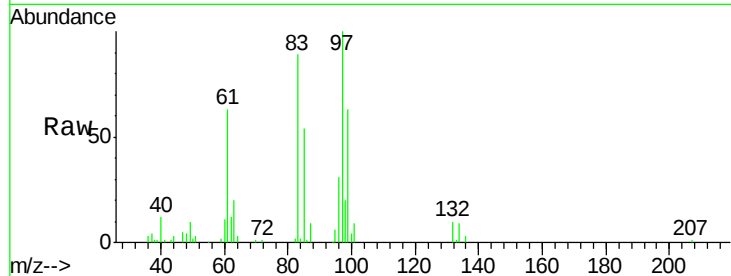
#55
 1,1,2-Trichloroethane
 Concen: 22.860 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065194.D
 Acq: 17 Feb 2020 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBS01

Tot Ion:	97	Resp:	63551
Ion	Ratio	Lower	Upper
97	100		
83	88.8	64.8	97.2
85	53.5	41.2	61.8
99	62.6	50.3	75.5

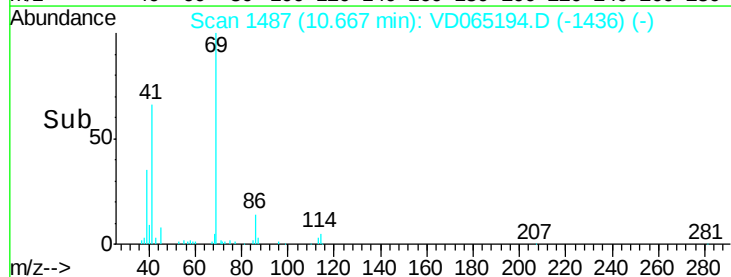
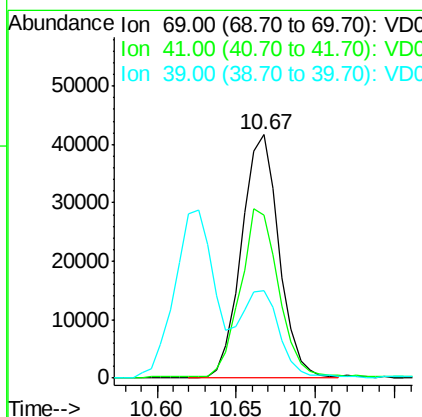
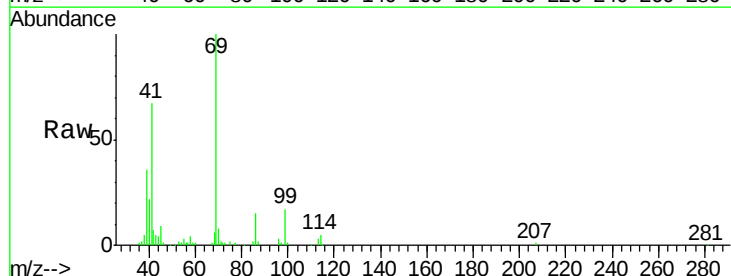
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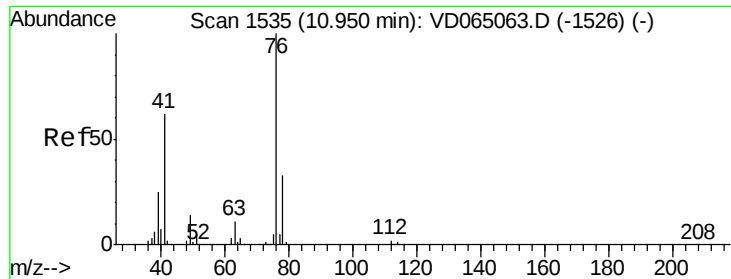
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#56
 Ethyl methacrylate
 Concen: 19.453 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065194.D
 Acq: 17 Feb 2020 14:06

Tgt Ion:	69	Resp:	68426
Ion	Ratio	Lower	Upper
69	100		
41	69.8	55.9	83.9
39	34.2	29.4	44.0





#57

1,3-Dichloropropane

Concen: 22.203 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBS01

Tot Ion: 76 Resp: 108540

Ion Ratio Lower Upper

76 100

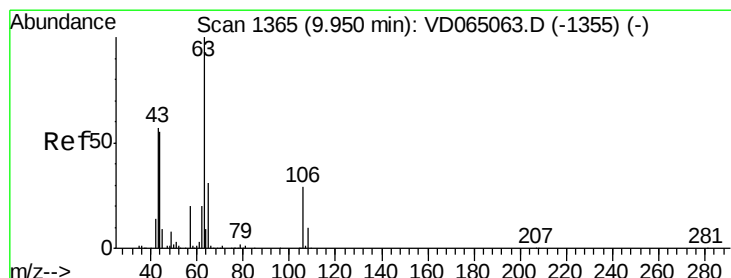
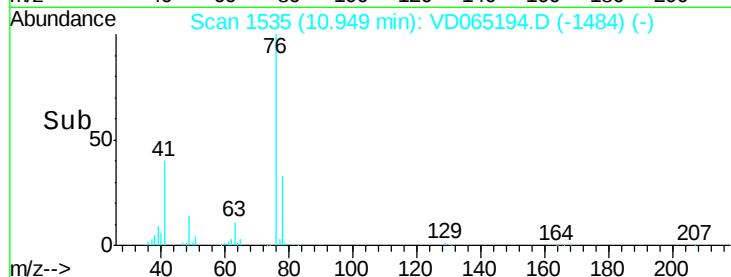
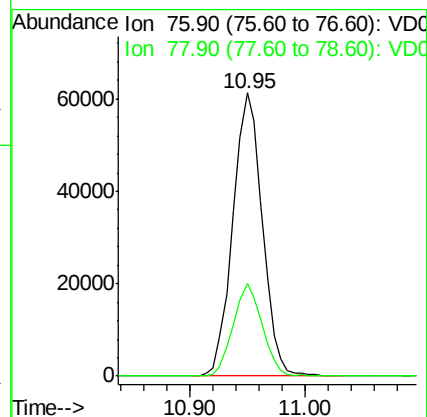
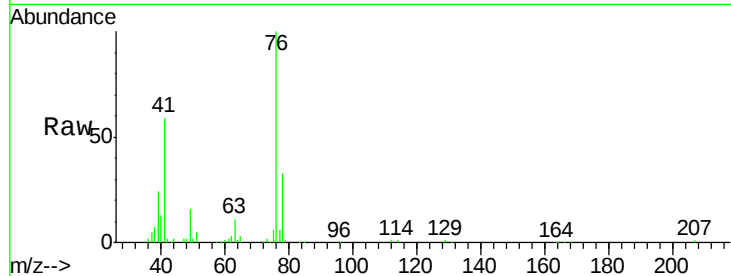
78 32.2 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 85.452 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065194.D

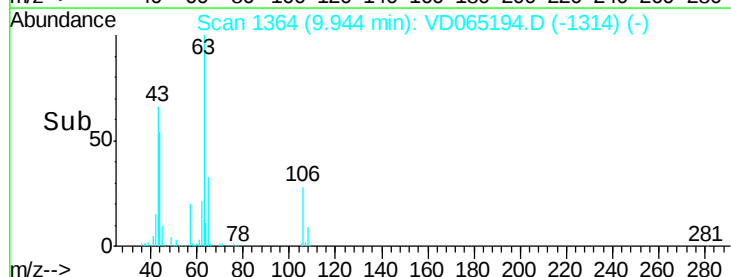
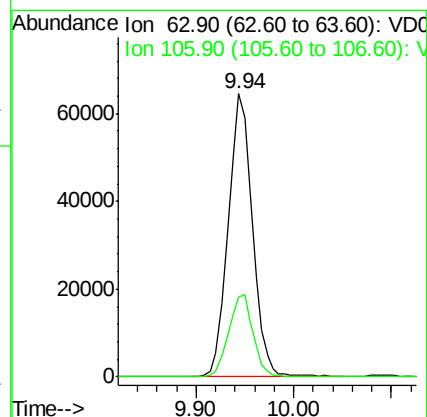
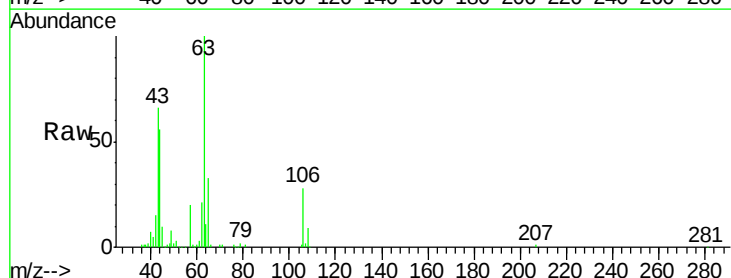
Acq: 17 Feb 2020 14:06

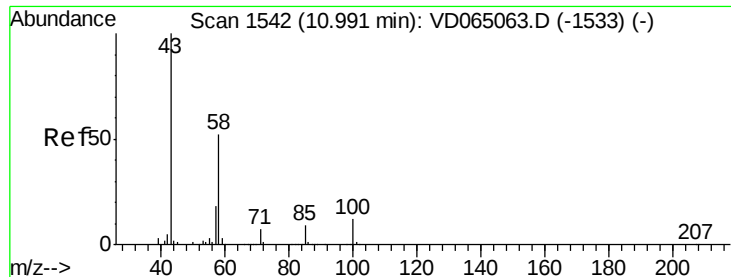
Tgt Ion: 63 Resp: 111334

Ion Ratio Lower Upper

63 100

106 29.1 23.3 34.9





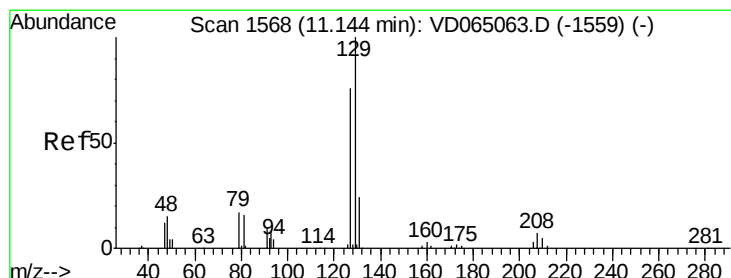
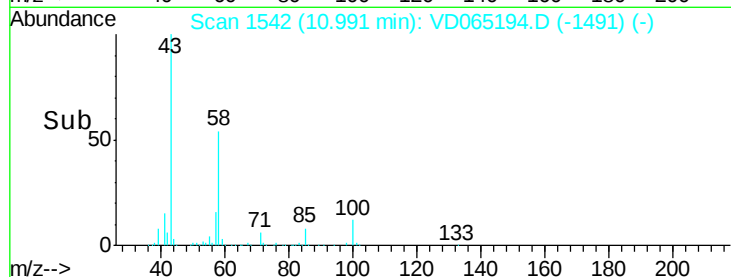
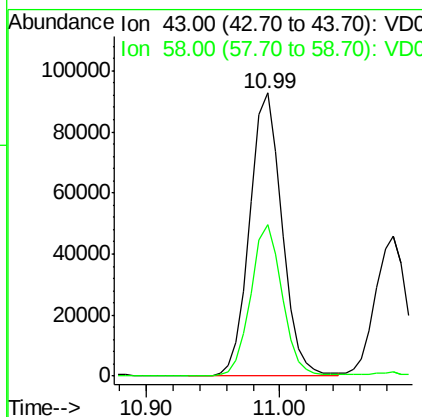
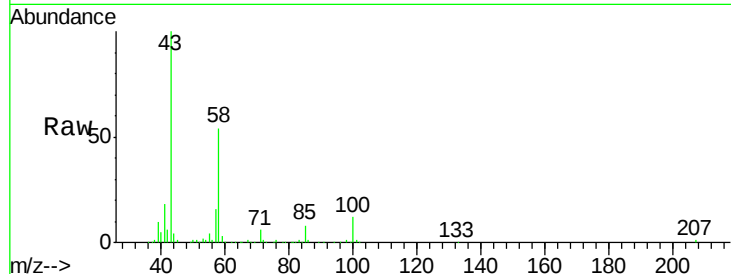
#59
2-Hexanone
Concen: 97.636 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion: 43 Resp: 154975
Ion Ratio Lower Upper
43 100
58 52.3 26.2 78.6

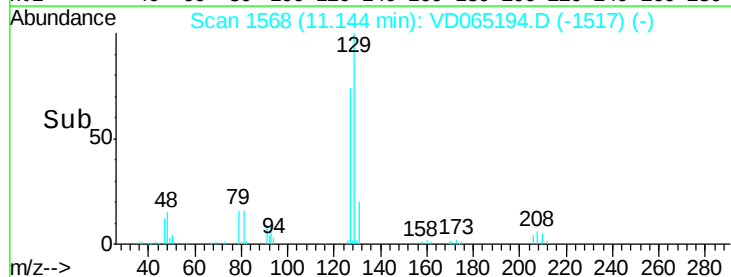
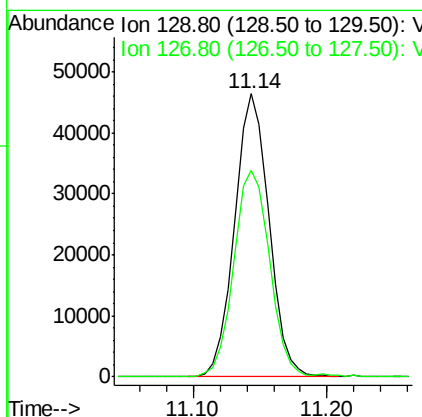
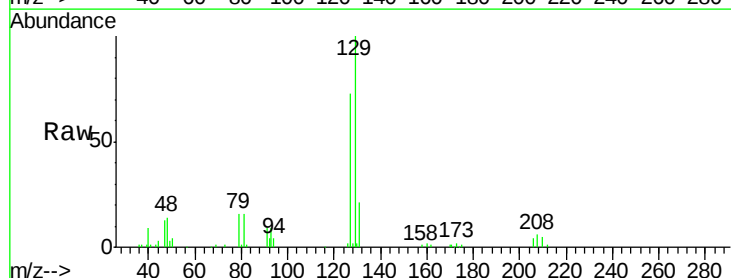
Manual Integrations
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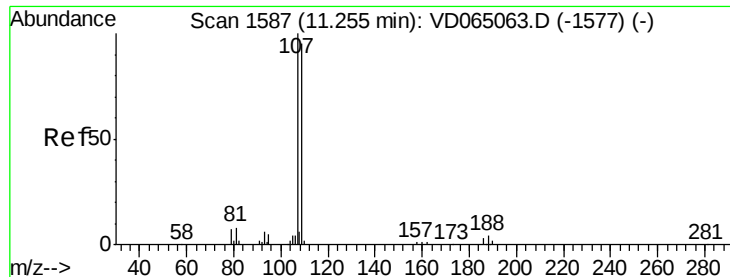
MMDadoda
2/18/2020 10:58:15 AM



#60
Dibromochloromethane
Concen: 22.958 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Tgt Ion: 129 Resp: 82666
Ion Ratio Lower Upper
129 100
127 76.7 38.3 114.9





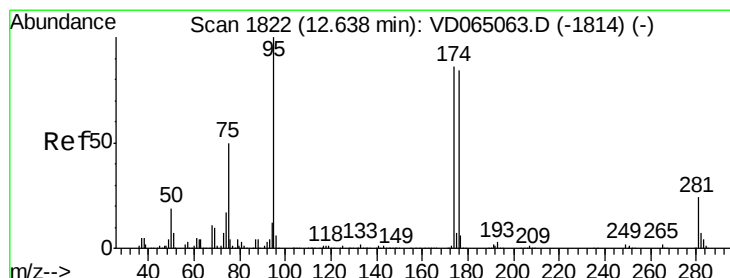
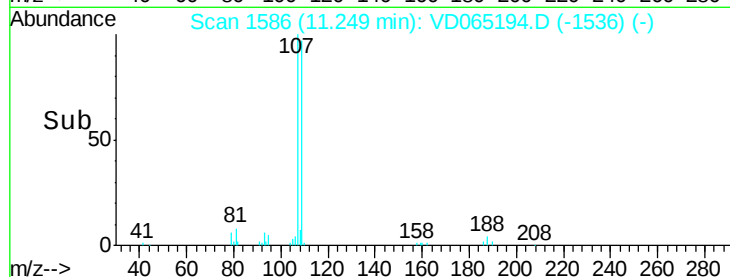
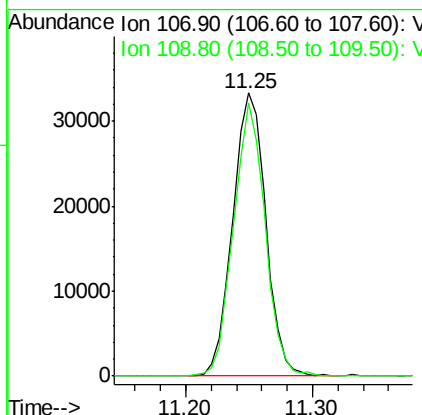
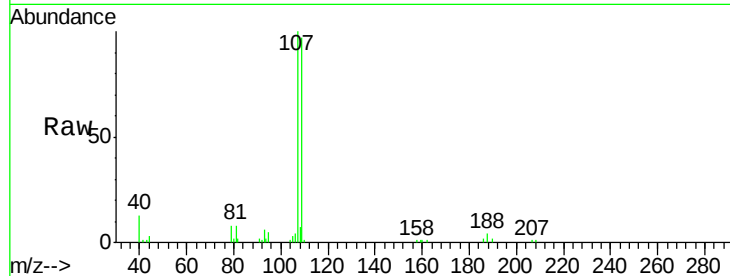
#61
 1,2-Dibromoethane
 Concen: 22.151 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065194.D
 Acq: 17 Feb 2020 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBS01

Tot Ion: 107 Resp: 60171
 Ion Ratio Lower Upper
 107 100
 109 92.2 75.5 113.3

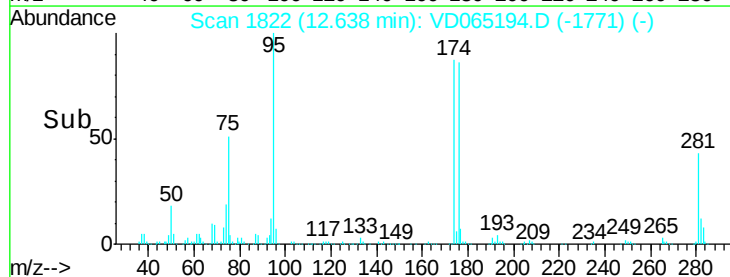
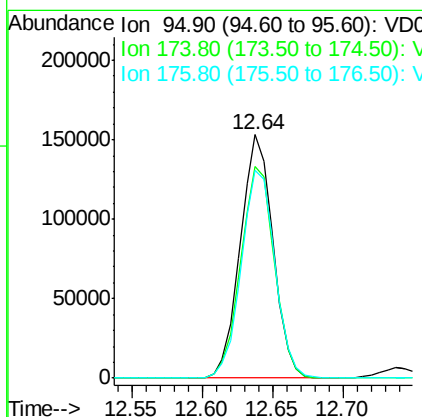
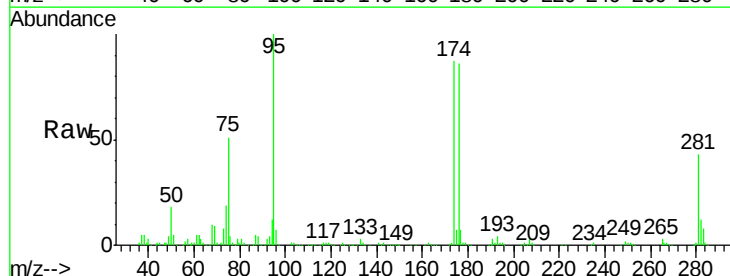
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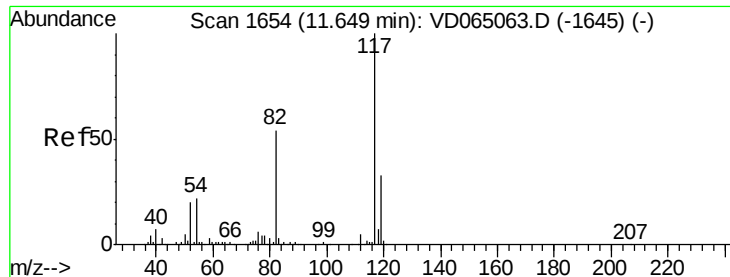
MMDadoda
 2/18/2020 10:58:15 AM



#62
 4-Bromofluorobenzene
 Concen: 56.402 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065194.D
 Acq: 17 Feb 2020 14:06

Tgt Ion: 95 Resp: 248650
 Ion Ratio Lower Upper
 95 100
 174 89.1 0.0 180.0
 176 87.7 0.0 173.2





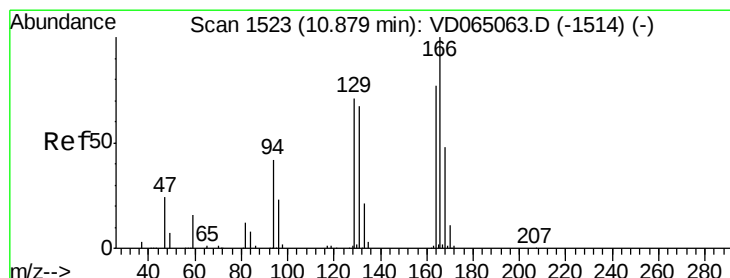
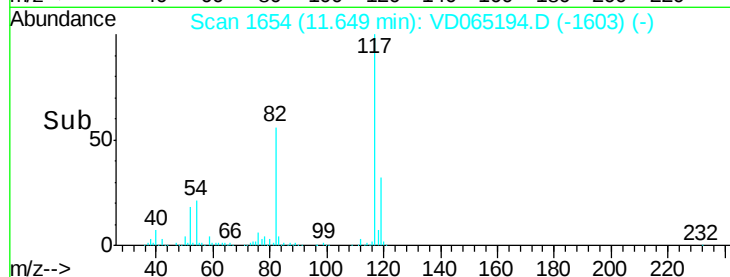
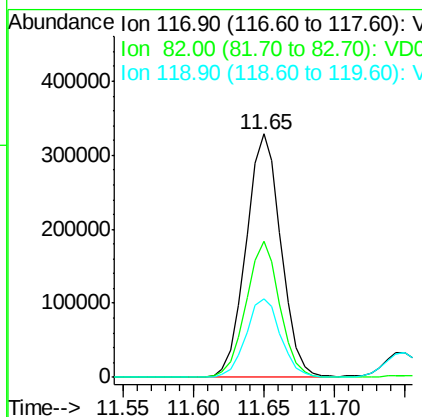
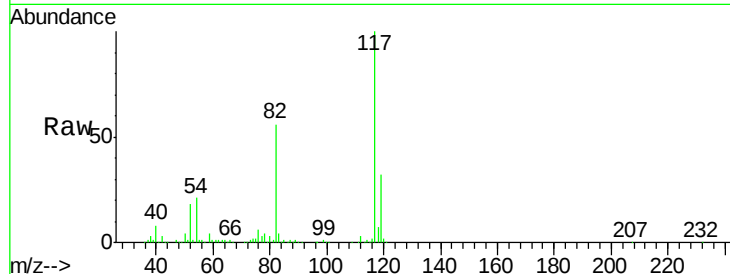
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	570210		
82	55.8		43.1	64.7
119	32.2		26.0	39.0

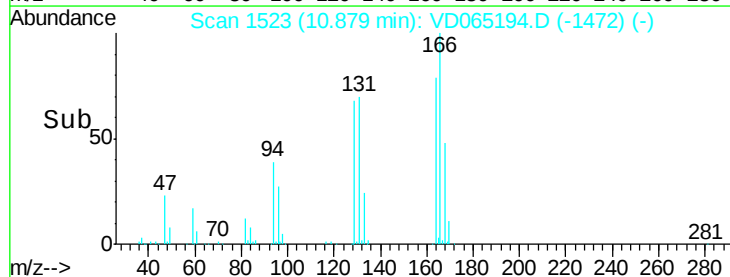
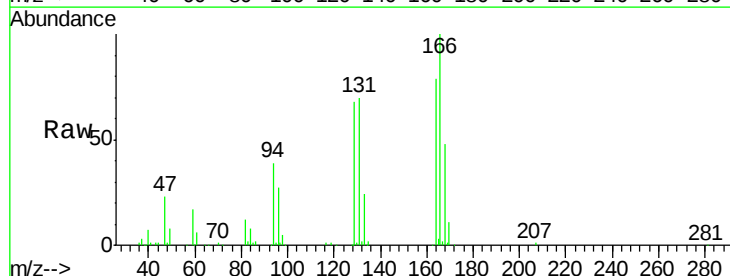
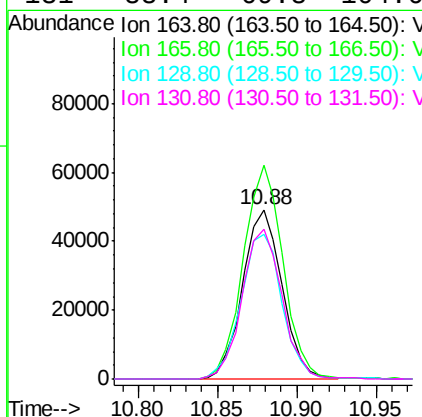
Manual Integrations
APPROVED

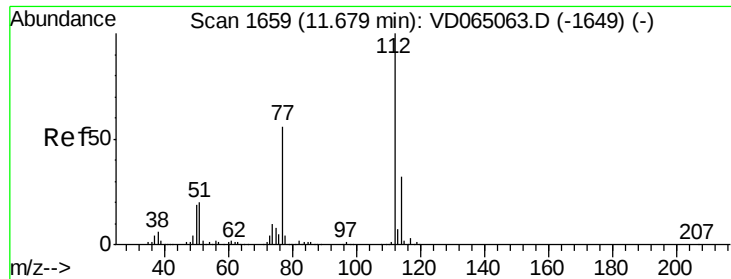
MMDadoda
2/18/2020 10:58:15 AM



#64
Tetrachloroethene
Concen: 20.815 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	85286		
166	126.1		103.5	155.3
129	85.3		73.3	109.9
131	88.4		69.8	104.6





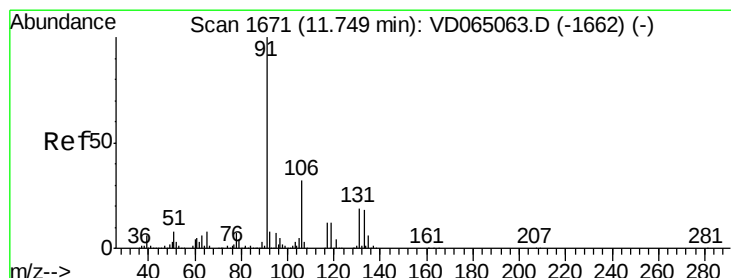
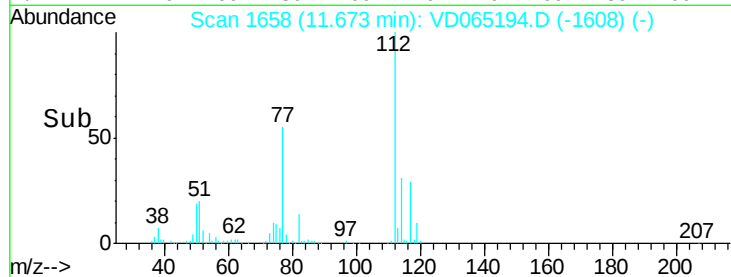
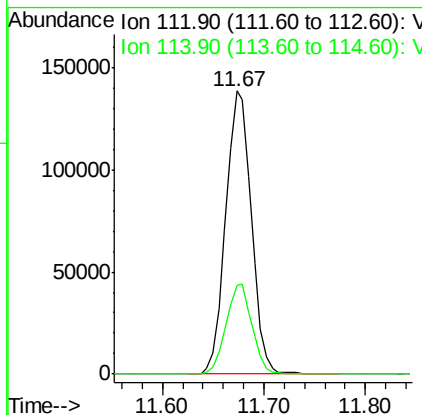
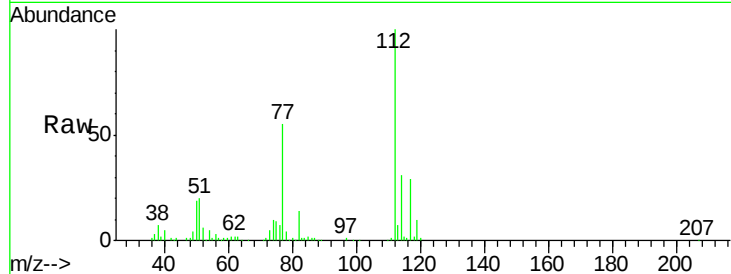
#65
Chlorobenzene
Concen: 22.033 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	242997		
114	31.2	25.4	38.0	

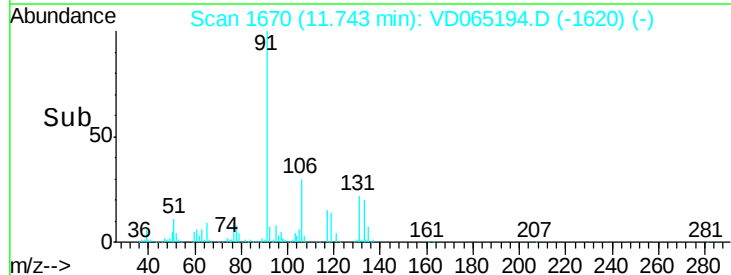
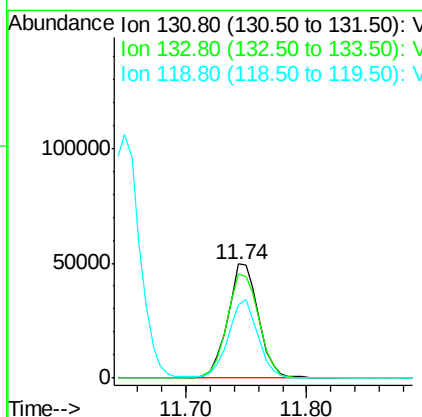
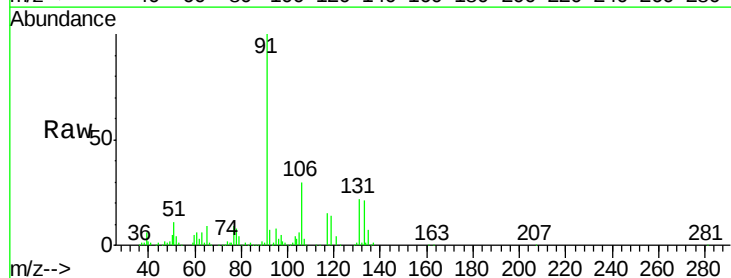
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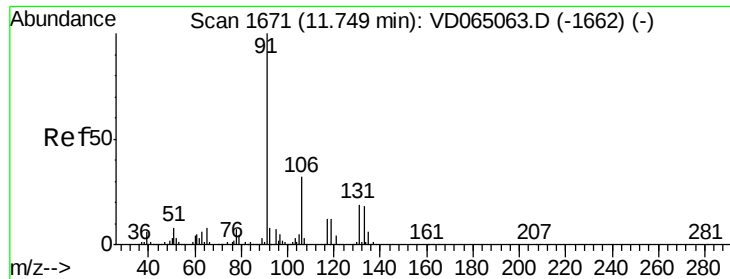
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.689 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	88283		
133	95.0	47.7	143.1	
119	66.2	31.3	93.8	





#67

Ethyl Benzene

Concen: 20.751 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBS01

Tot Ion: 91 Resp: 415781

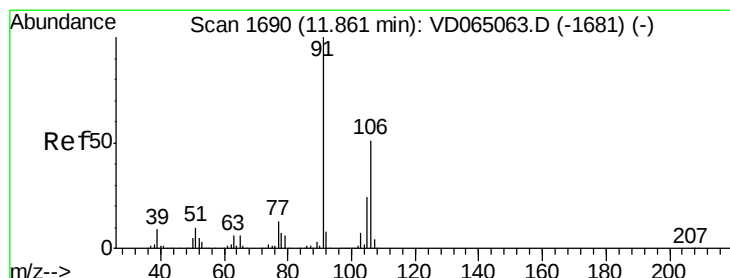
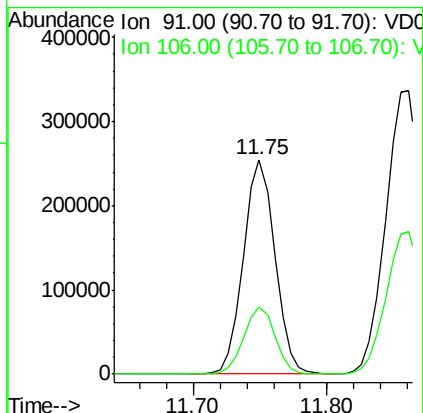
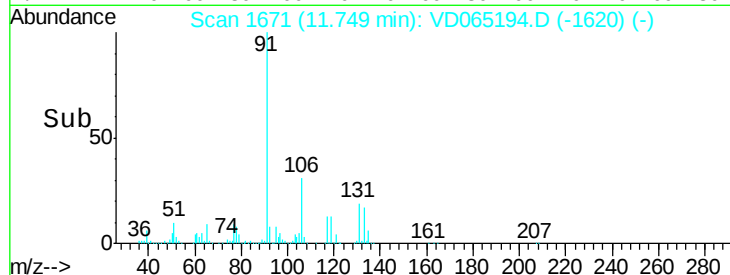
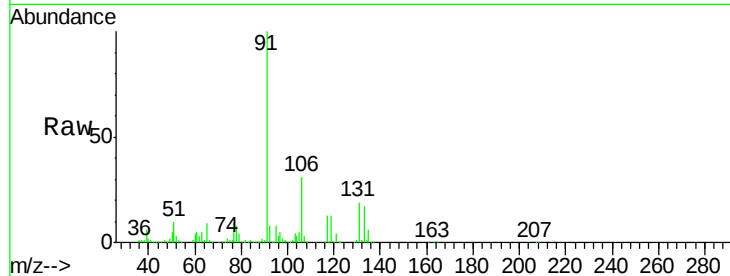
Ion Ratio Lower Upper

91 100

106 31.2 25.4 38.2

Manual Integrations
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#68

m/p-Xylenes

Concen: 43.012 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065194.D

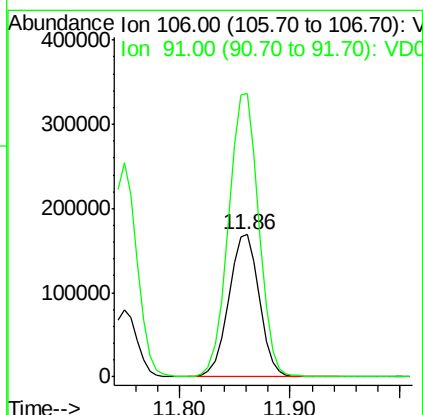
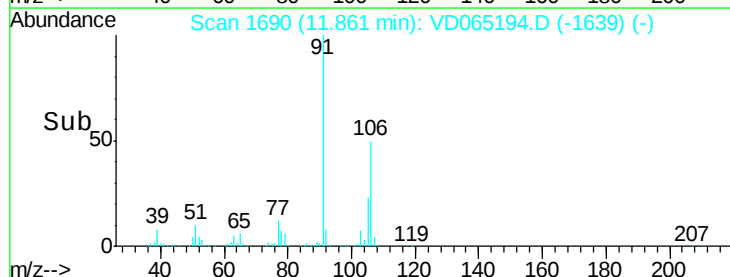
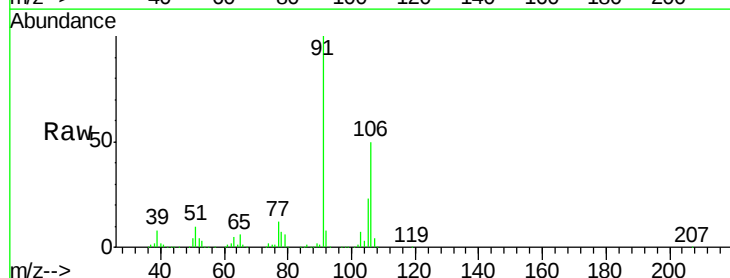
Acq: 17 Feb 2020 14:06

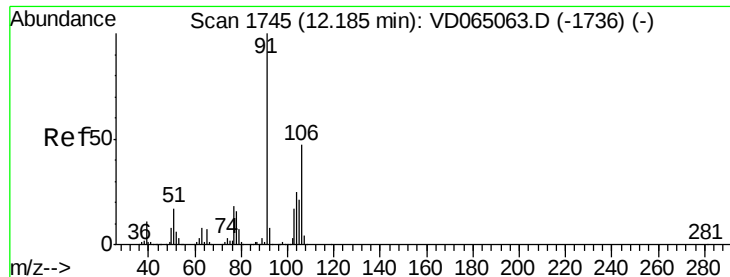
Tgt Ion: 106 Resp: 328937

Ion Ratio Lower Upper

106 100

91 196.9 158.9 238.3





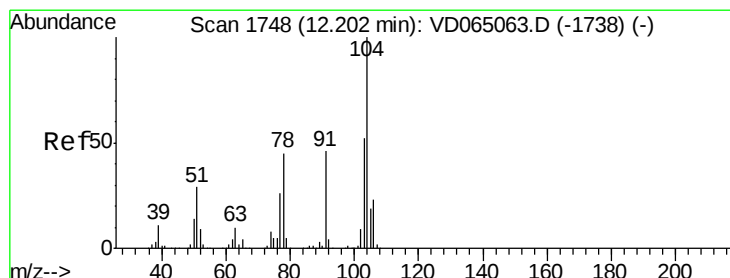
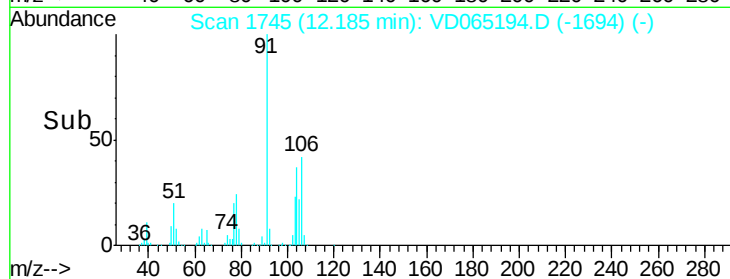
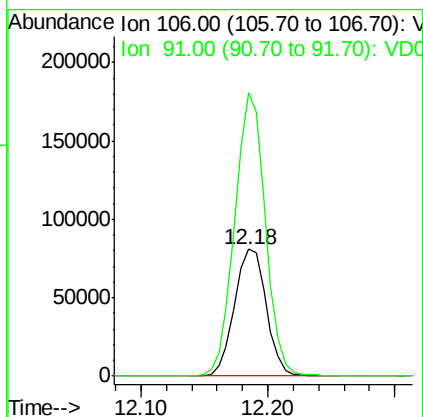
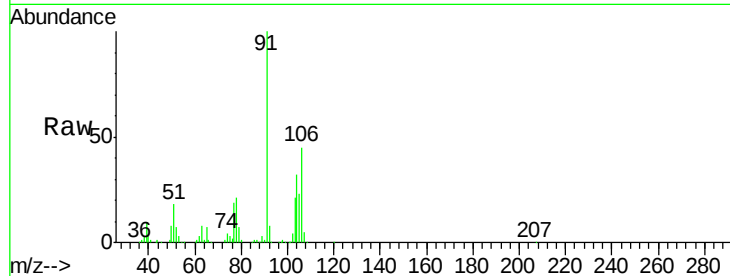
#69
o-Xylene
Concen: 20.416 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	214.2	104.7	313.9	

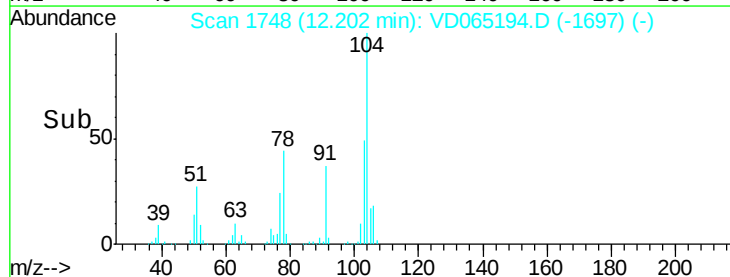
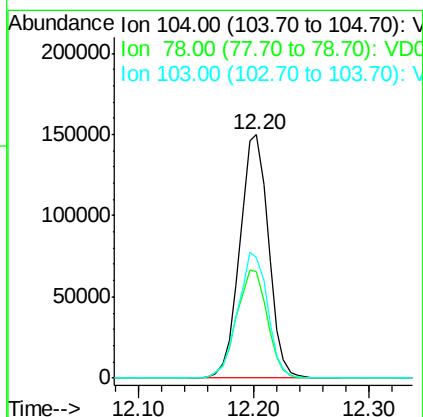
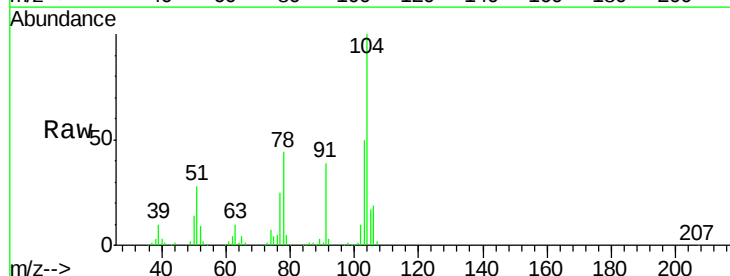
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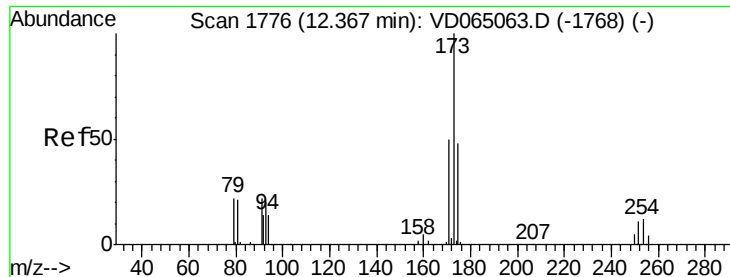
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#70
Styrene
Concen: 21.585 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.9	38.5	57.7	
103	53.9	43.8	65.8	





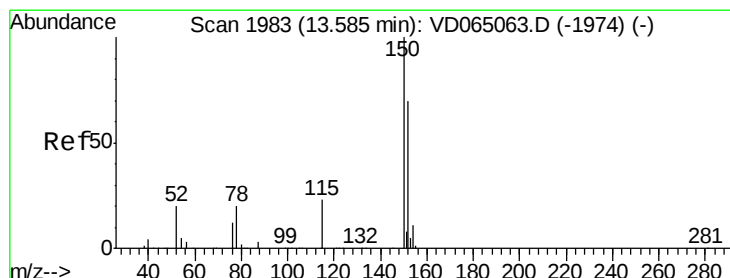
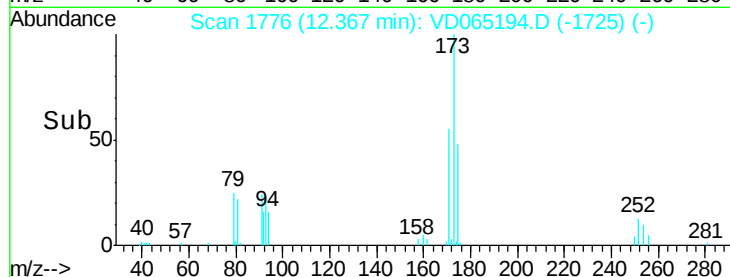
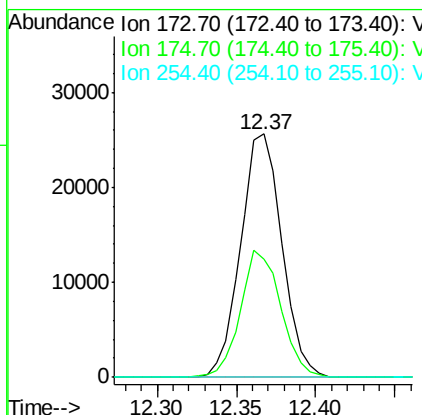
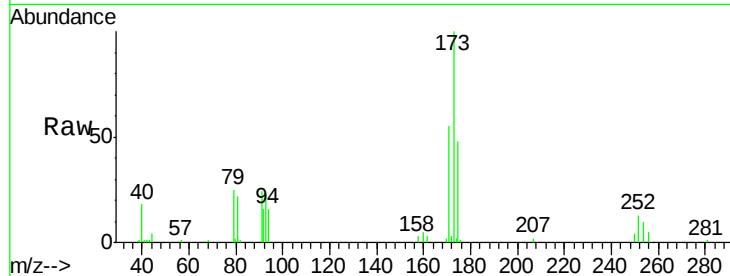
#71
Bromoform
Concen: 21.189 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.9	24.3	72.8
254	0.0	0.1	0.1#

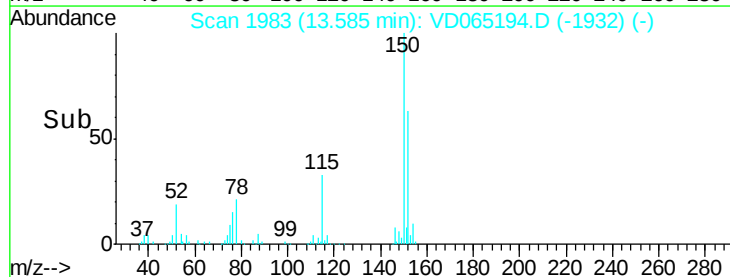
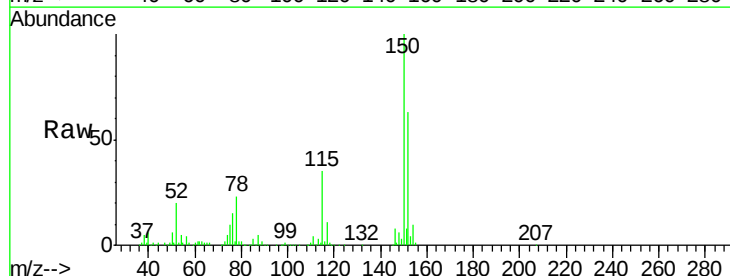
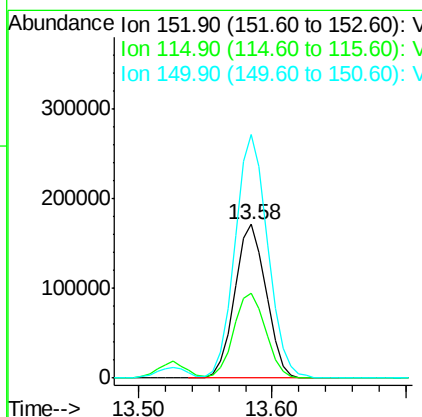
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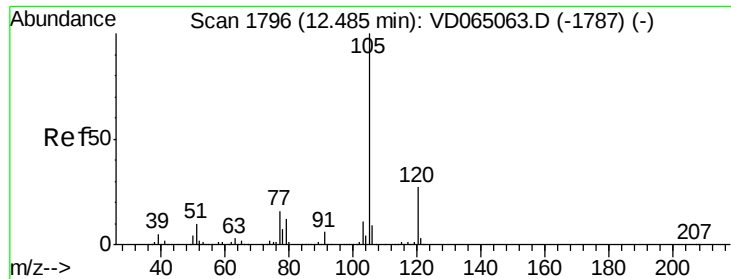
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	27.5	82.4
150	163.9	0.0	343.2





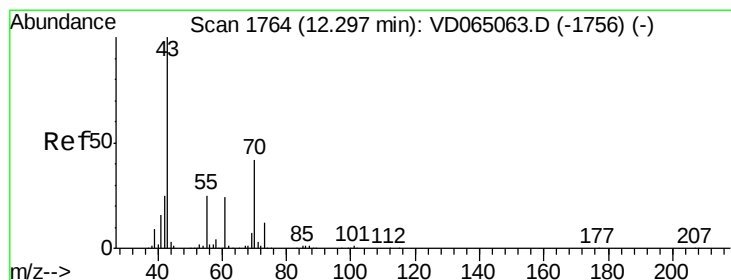
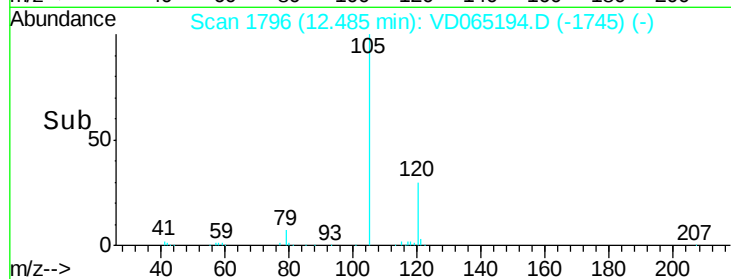
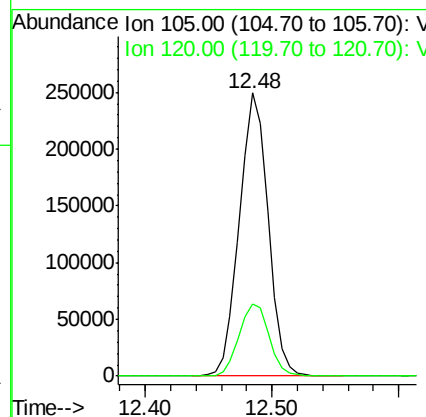
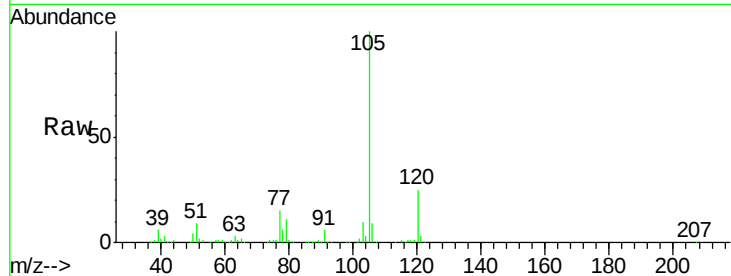
#73
Isopropylbenzene
Concen: 20.351 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	390903		
120	26.6	13.3	39.9	

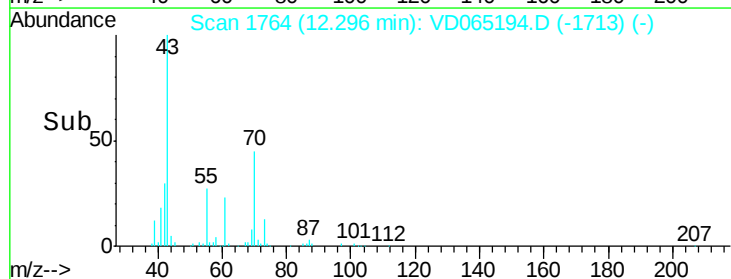
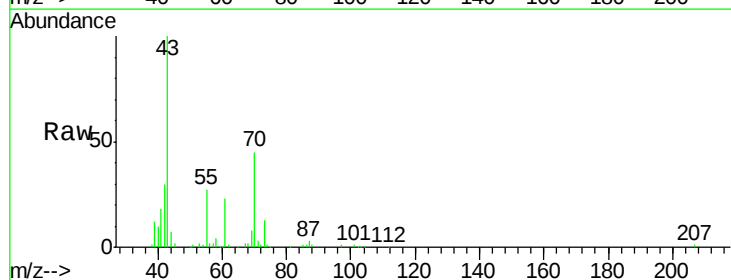
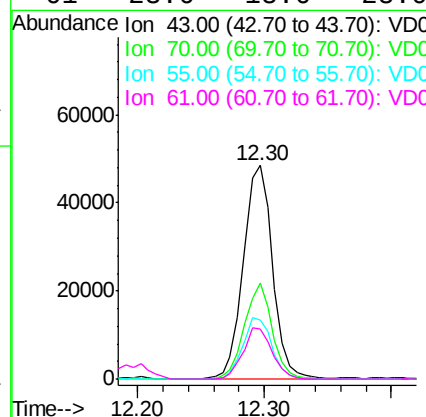
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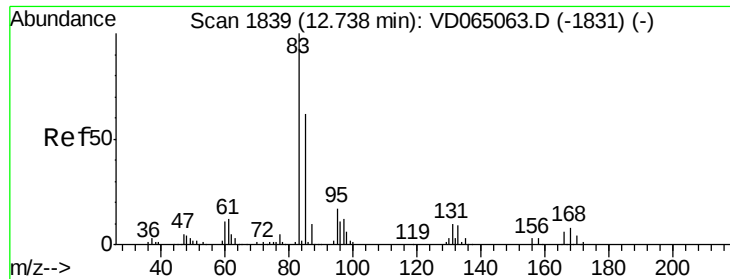
MMDadoda
2/18/2020 10:58:15 AM



#74
N-ethyl acetate
Concen: 18.578 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	77562		
70	42.4	33.5	50.3	
55	28.6	19.4	29.2	
61	23.6	18.6	28.0	





#75

1,1,2,2-Tetrachloroethane

Concen: 22.153 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

Instrument :

MSVOA_D

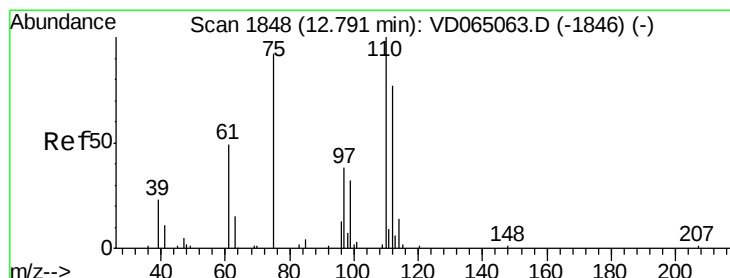
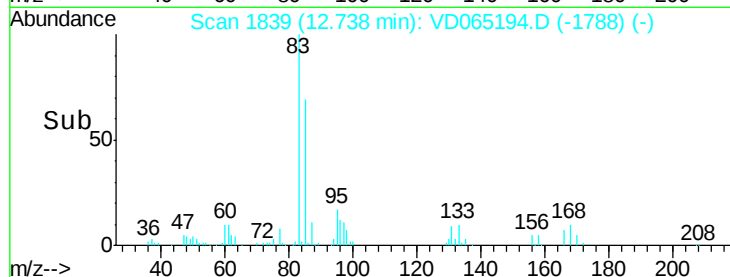
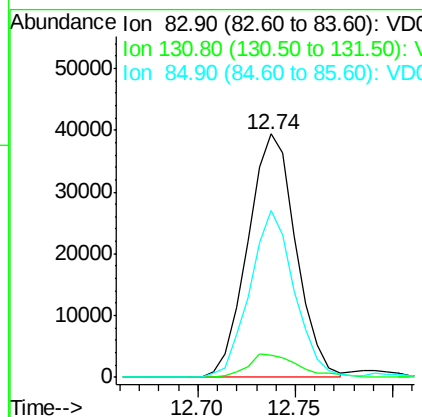
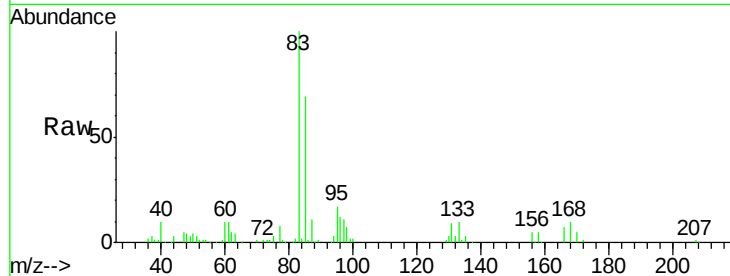
ClientSampleId :

VD0217SBS01

Tot Ion:	83	Resp:	66969
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.5	16.4
85	63.8	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 15.545 ug/l m

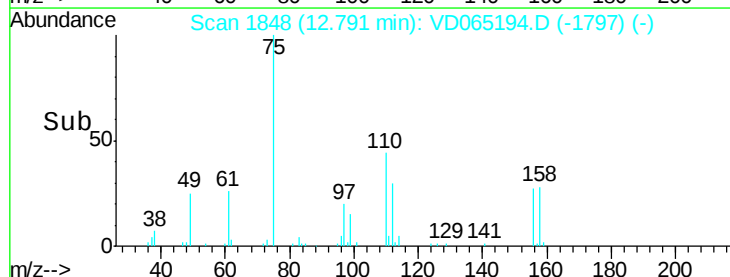
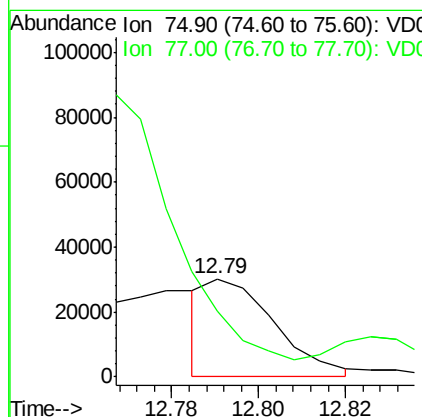
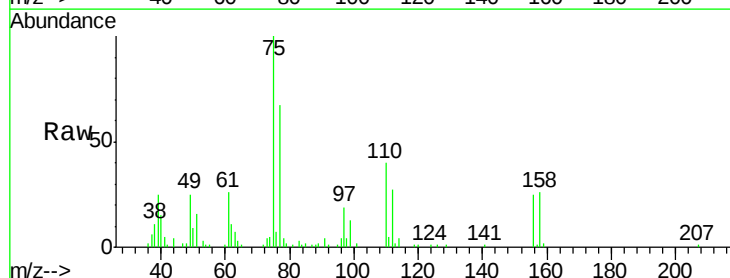
RT: 12.79 min Scan# 1848

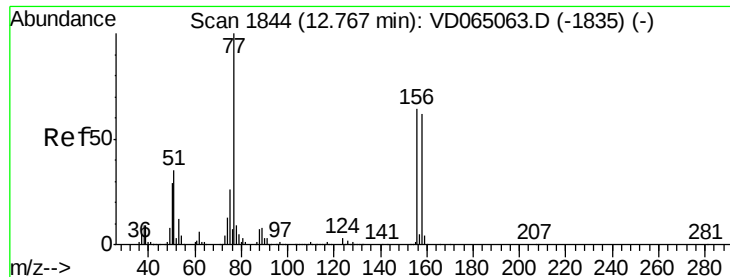
Delta R.T. -0.00 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

Tgt Ion:	75	Resp:	32935
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





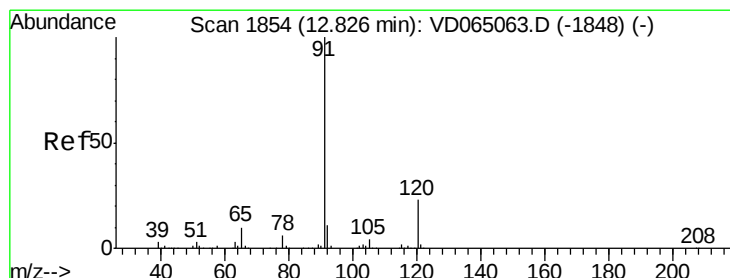
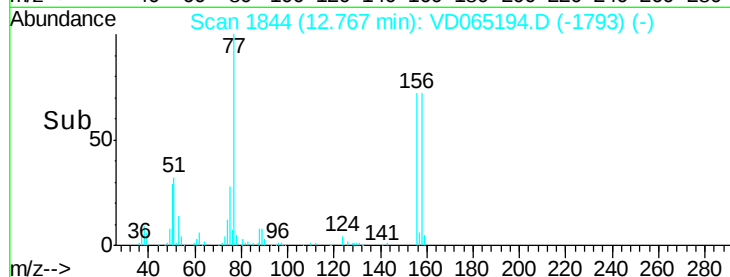
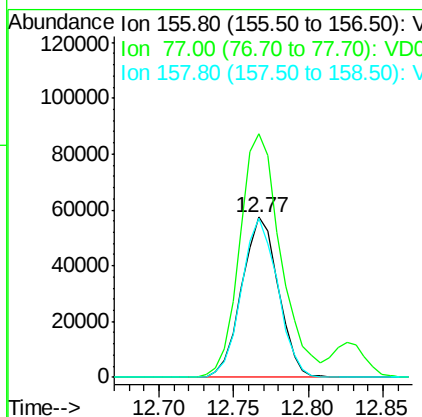
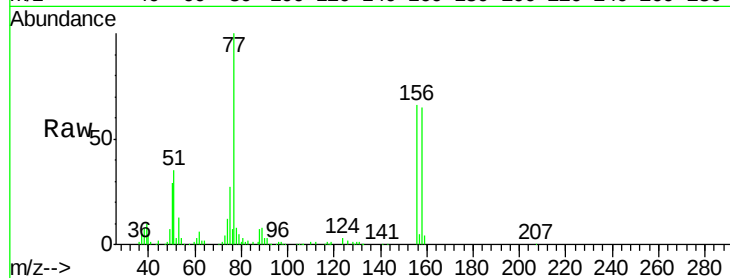
#77
Bromobenzene
Concen: 21.067 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	170.3	85.6	256.8
158	98.3	47.4	142.2

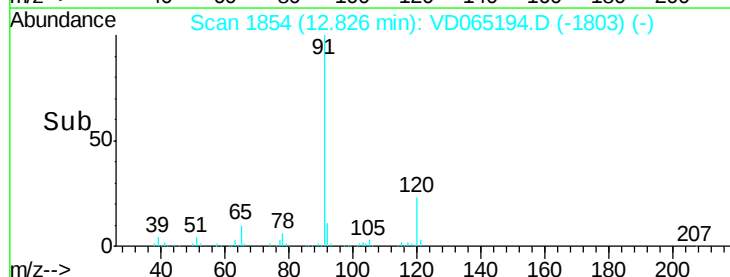
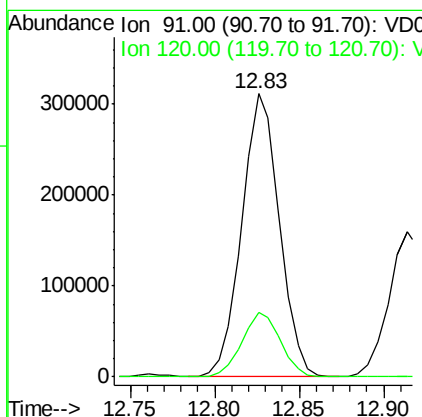
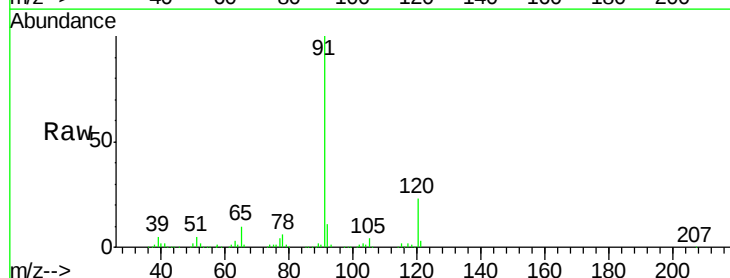
Manual Integrations
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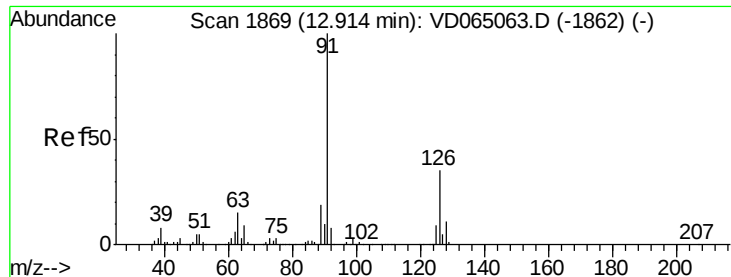
MMDadoda
2/18/2020 10:58:15 AM



#78
n-propylbenzene
Concen: 21.401 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.8	35.3





#79

2-Chlorotoluene

Concen: 21.044 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBS01

Tot Ion: 91 Resp: 263851

Ion Ratio Lower Upper

91 100

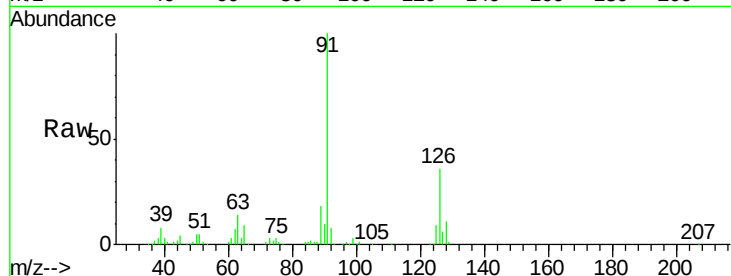
126 35.1 17.4 52.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD065063.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065063.D (-1862) (-)

300000

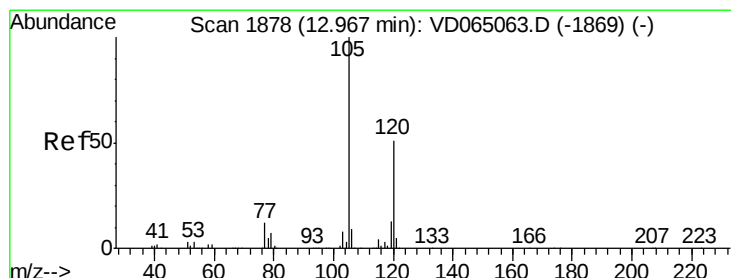
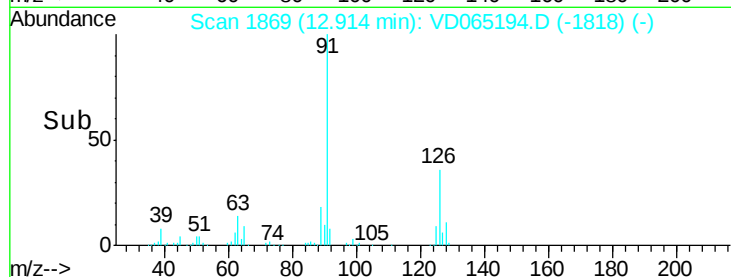
200000

100000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.753 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065194.D

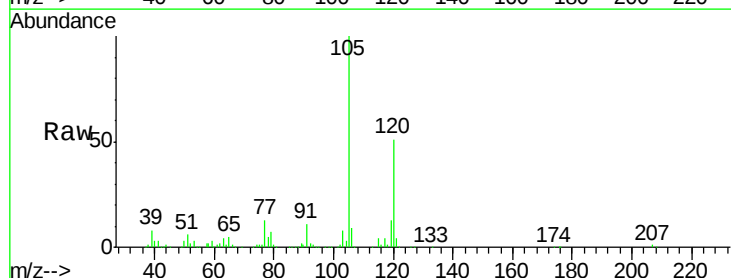
Acq: 17 Feb 2020 14:06

Tgt Ion:105 Resp: 326113

Ion Ratio Lower Upper

105 100

120 50.5 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VD065063.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065063.D (-1869) (-)

200000

150000

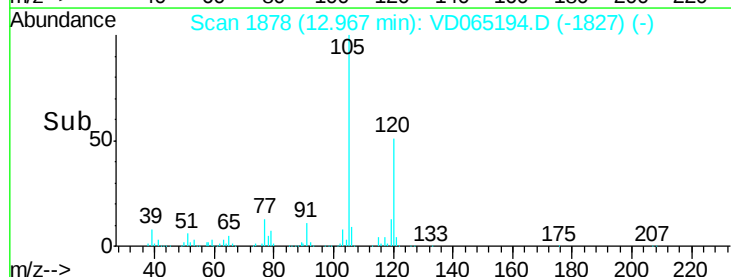
100000

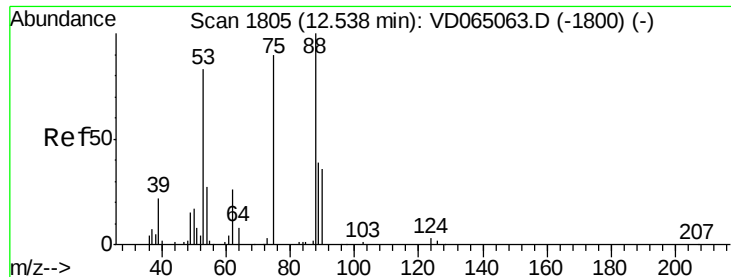
50000

0

12.90 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.352 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

Instrument :

MSVOA_D

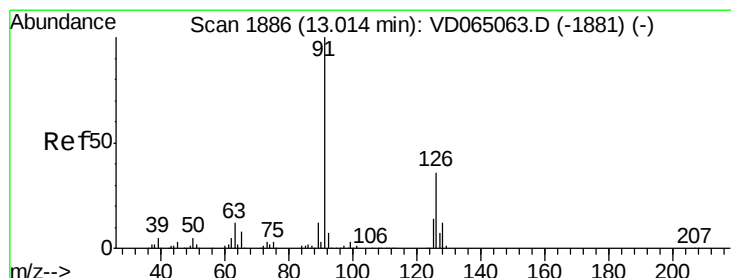
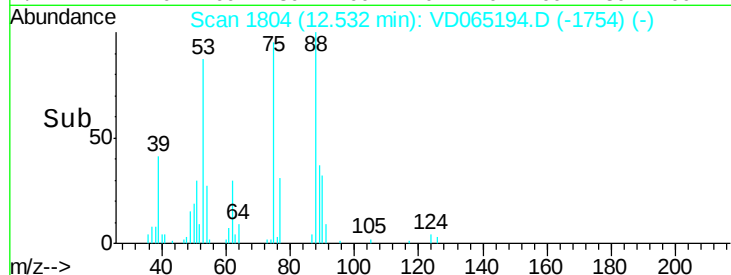
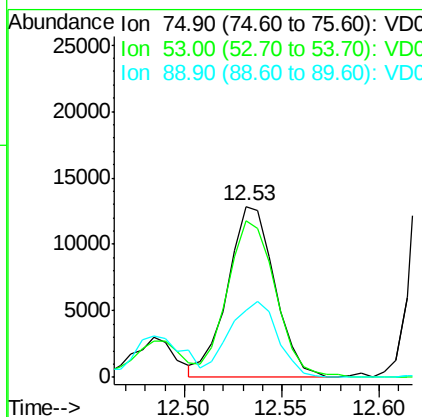
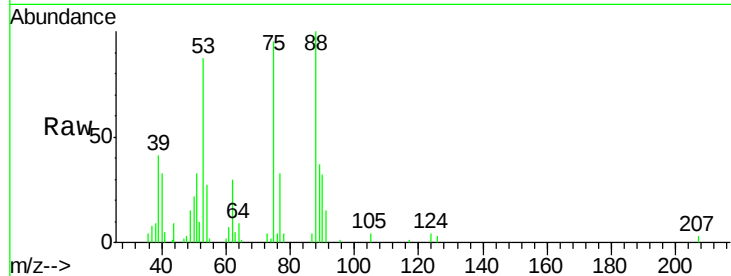
ClientSampleId :

VD0217SBS01

Tot Ion:	75	Resp:	21561
Ion	Ratio	Lower	Upper
75	100		
53	92.7	78.5	117.7
89	45.8	37.0	55.4

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#82

4-Chlorotoluene

Concen: 21.276 ug/l

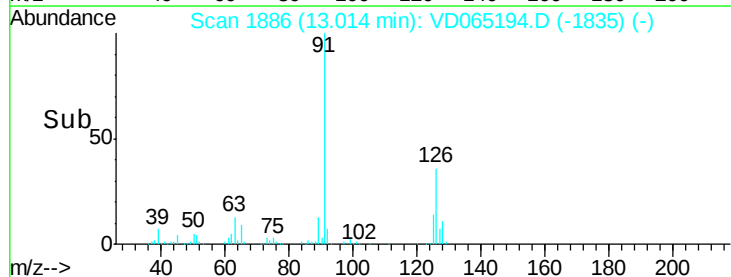
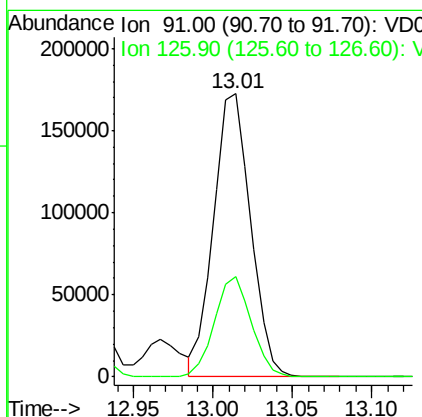
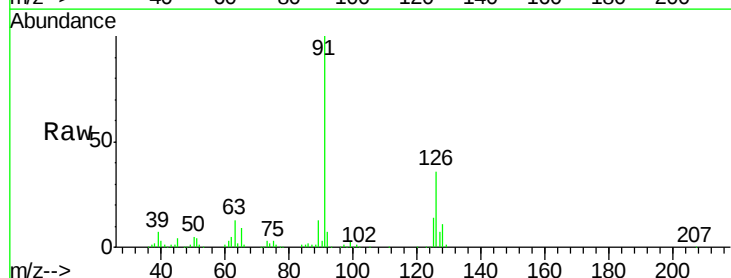
RT: 13.01 min Scan# 1886

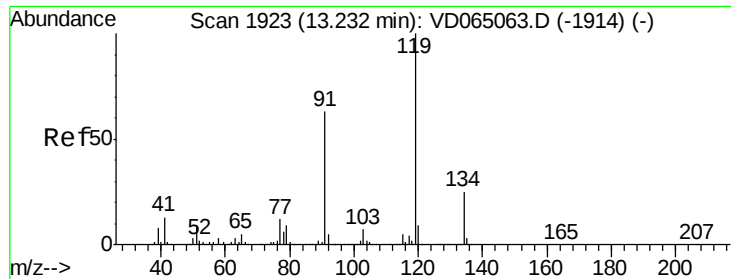
Delta R.T. -0.00 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

Tgt Ion:	91	Resp:	280171
Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.5	52.5





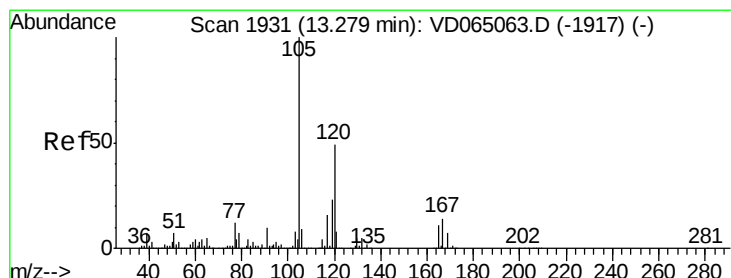
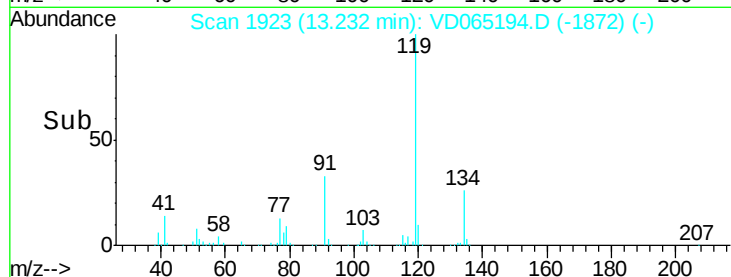
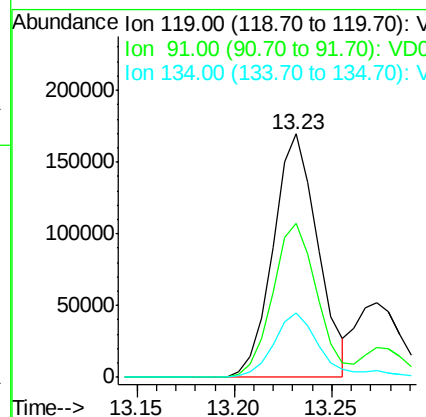
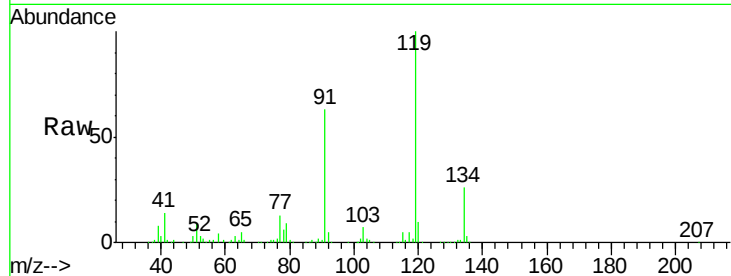
#83
tert-Butylbenzene
Concen: 19.908 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	269884		
91	63.6		32.3	96.9
134	27.9		13.8	41.3

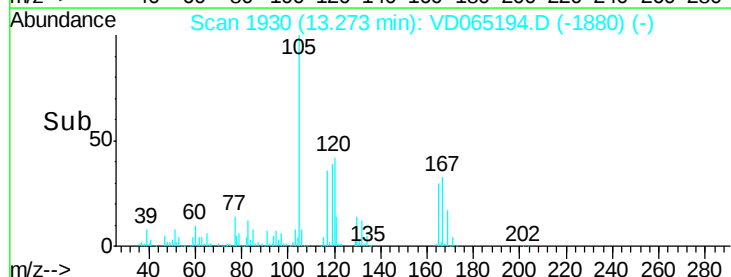
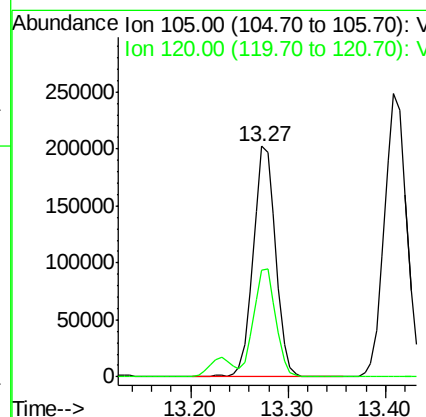
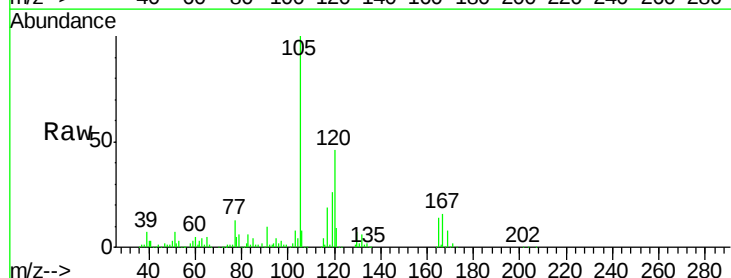
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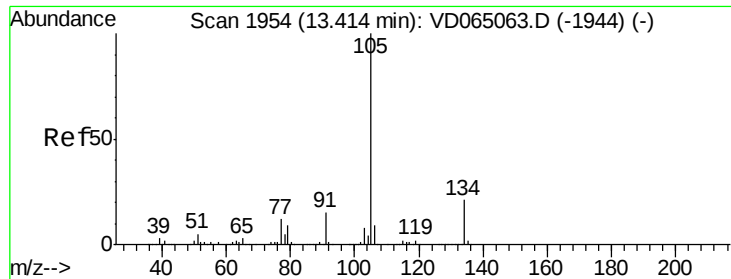
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#84
1,2,4-Trimethylbenzene
Concen: 20.920 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	326355		
120	46.3		23.5	70.5





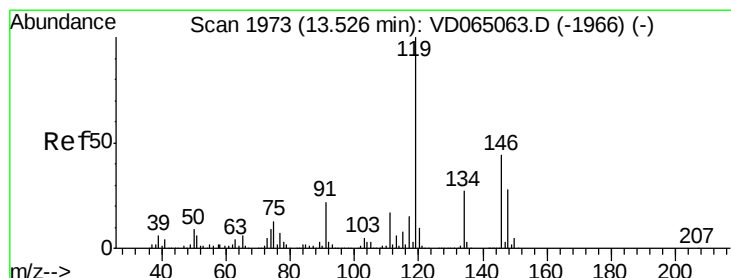
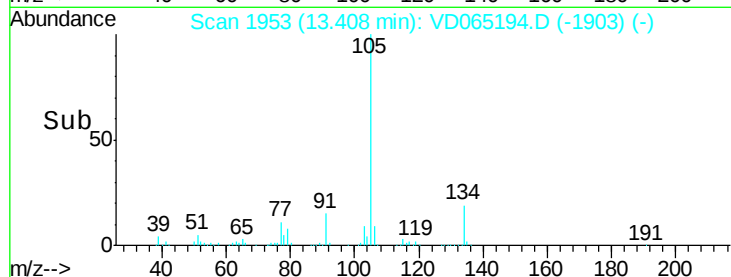
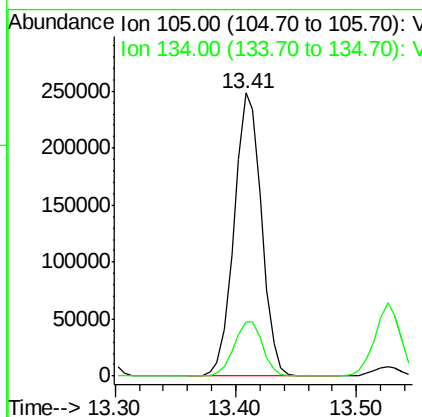
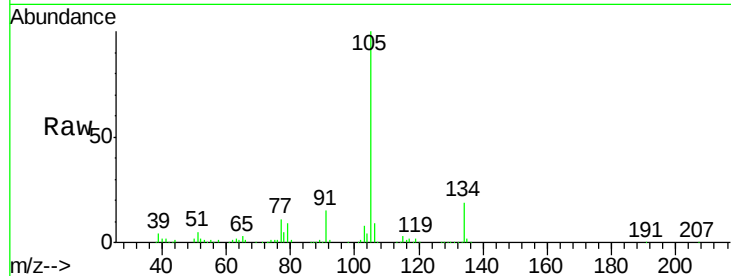
#85
 sec-Butylbenzene
 Concen: 21.174 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: VD065194.D
 Acq: 17 Feb 2020 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.4	31.1

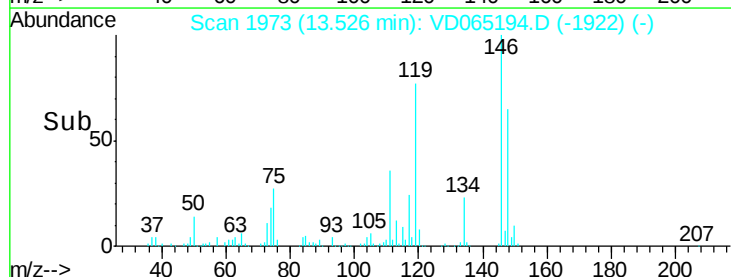
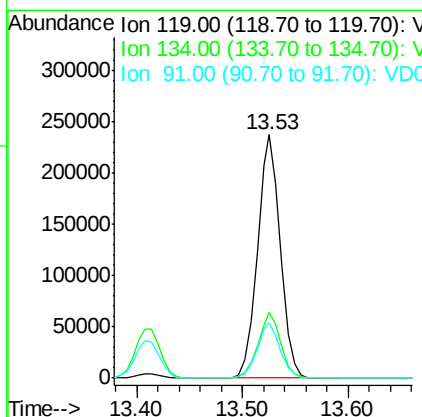
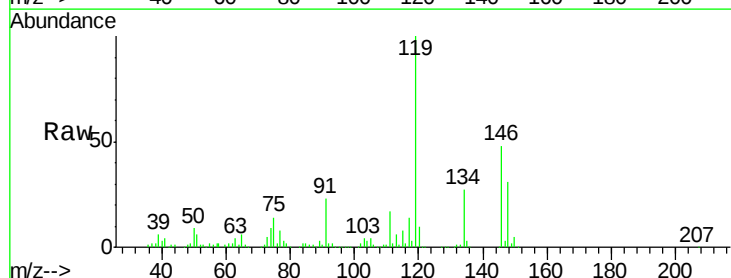
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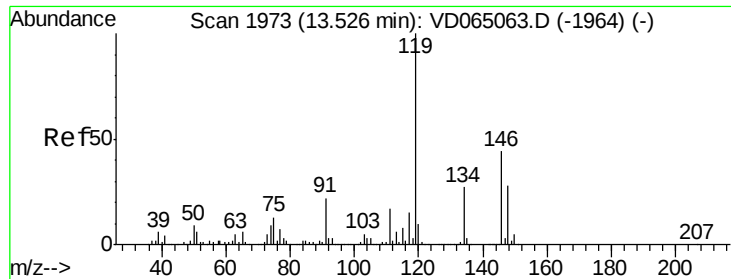
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#86
 p-Isopropyltoluene
 Concen: 20.764 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065194.D
 Acq: 17 Feb 2020 14:06

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.5	40.5
91	22.7	11.3	33.9





#87

1,3-Dichlorobenzene

Concen: 21.677 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

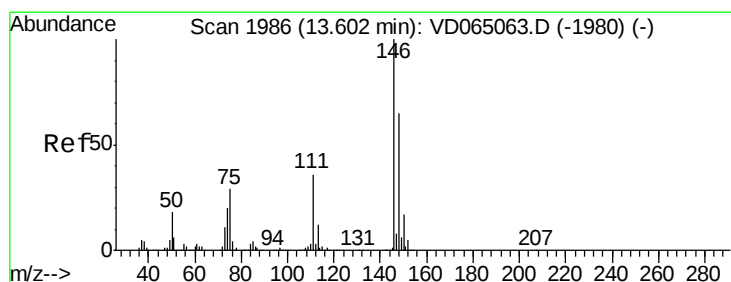
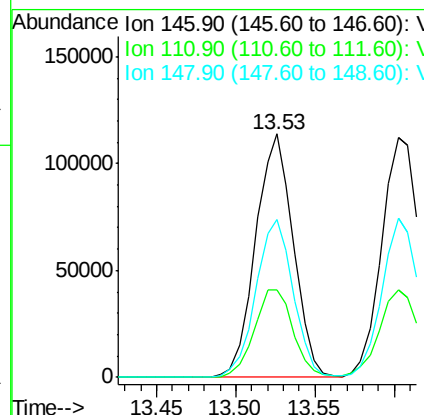
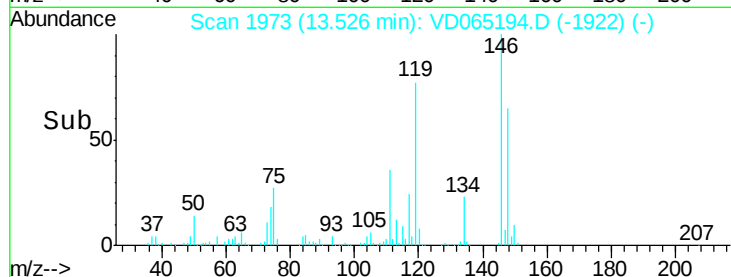
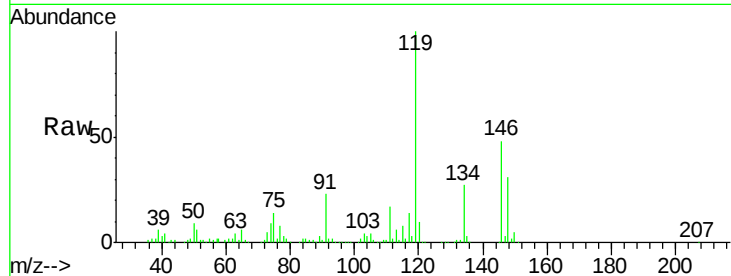
Instrument :
MSVOA_D

ClientSampleId :
VD0217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	187823		
111	37.3	19.4	58.4	
148	64.4	32.3	96.8	

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#88

1,4-Dichlorobenzene

Concen: 21.641 ug/l

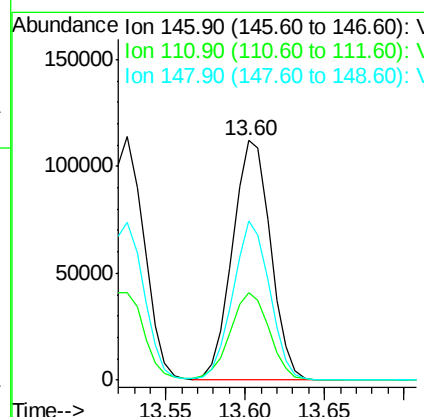
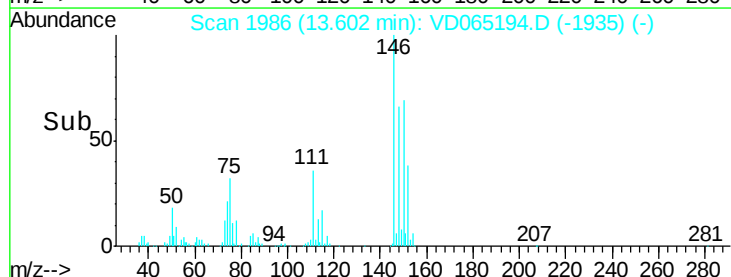
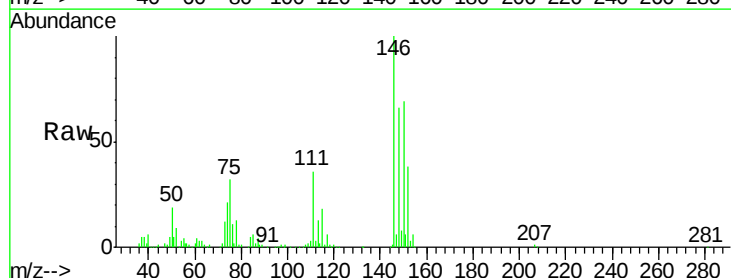
RT: 13.60 min Scan# 1986

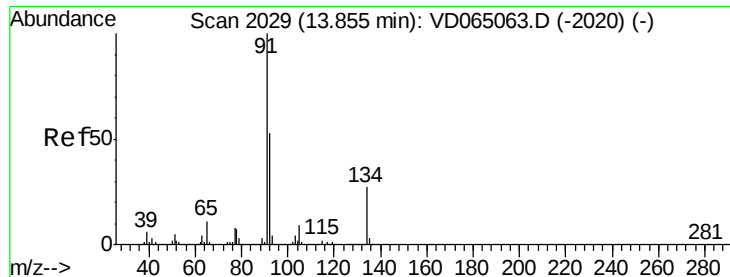
Delta R.T. -0.00 min

Lab File: VD065194.D

Acq: 17 Feb 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	186628		
111	37.6	18.5	55.5	
148	64.3	32.7	98.1	





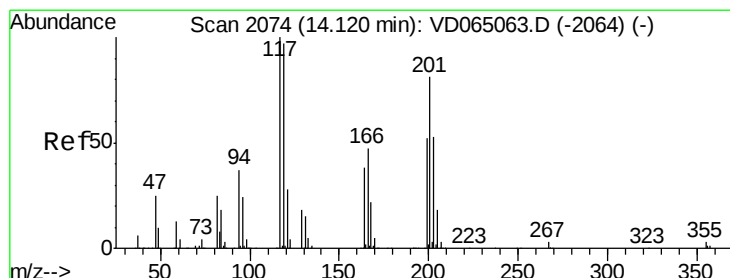
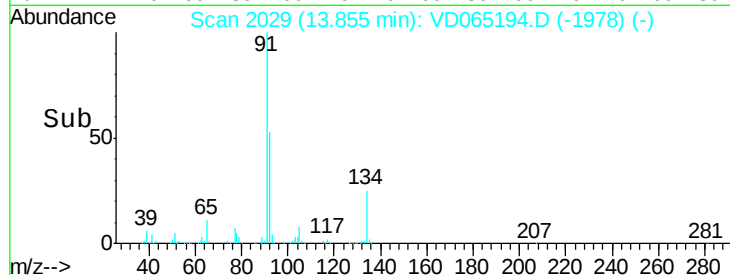
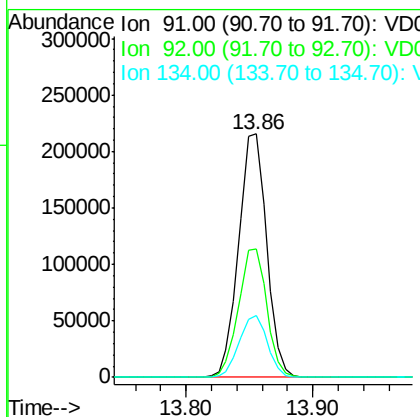
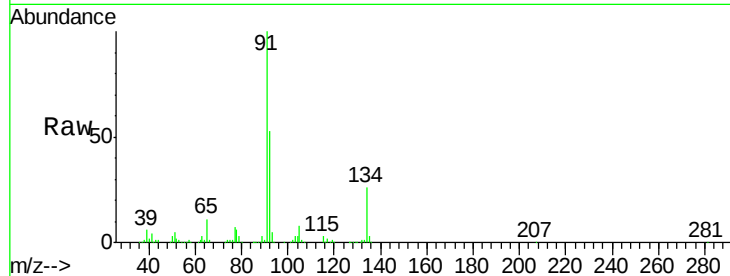
#89
n-Butylbenzene
Concen: 20.806 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.7	80.1
134	25.7	13.4	40.2

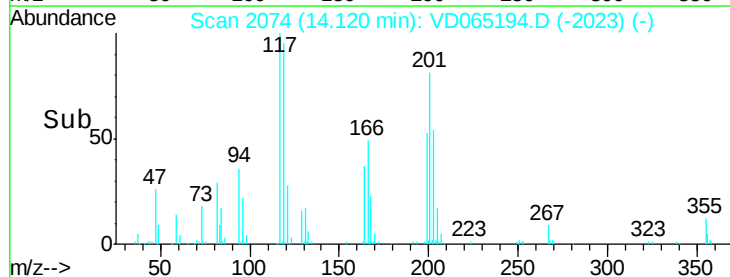
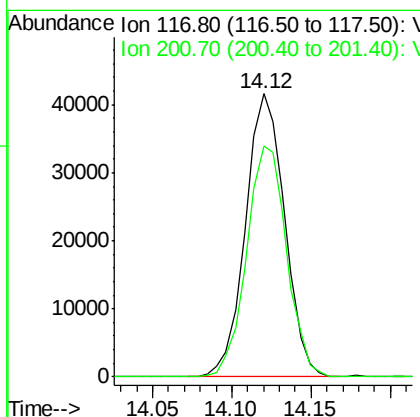
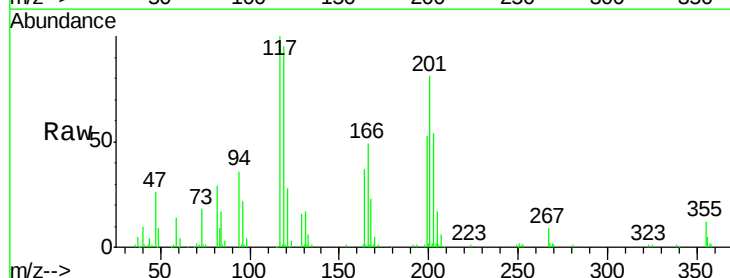
Manual Integrations
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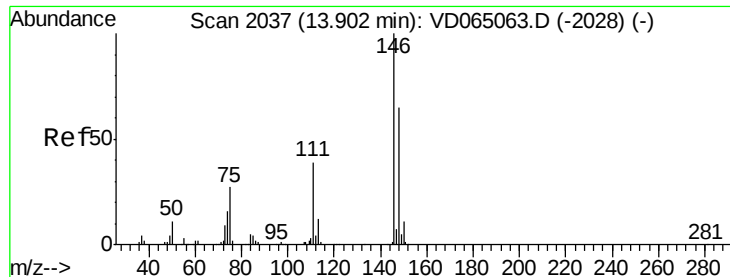
MMDadoda
2/18/2020 10:58:15 AM



#90
Hexachloroethane
Concen: 21.899 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.2	42.5	127.6





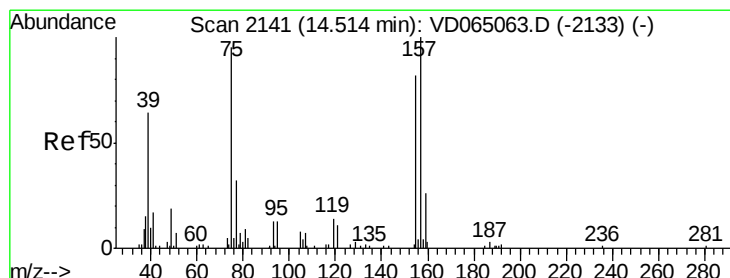
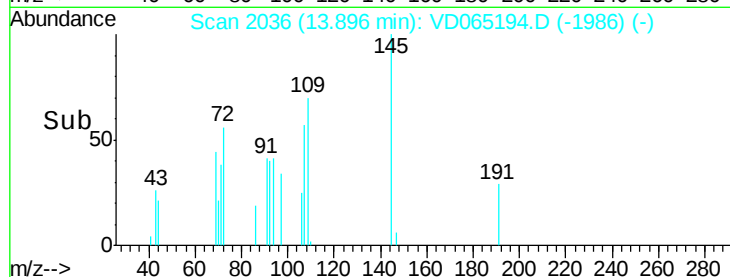
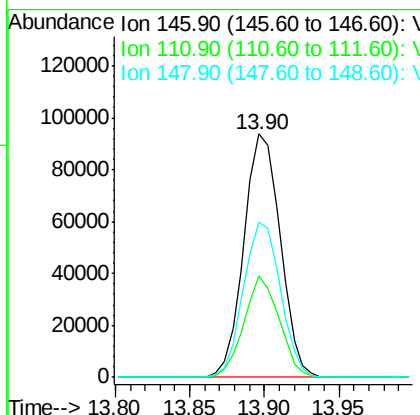
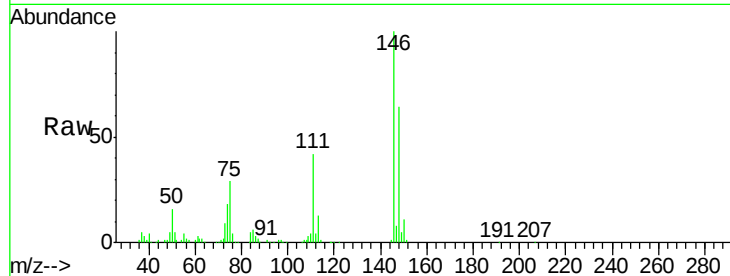
#91
 1,2-Dichlorobenzene
 Concen: 21.409 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065194.D
 Acq: 17 Feb 2020 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.7	59.1
148	64.7	31.9	95.5

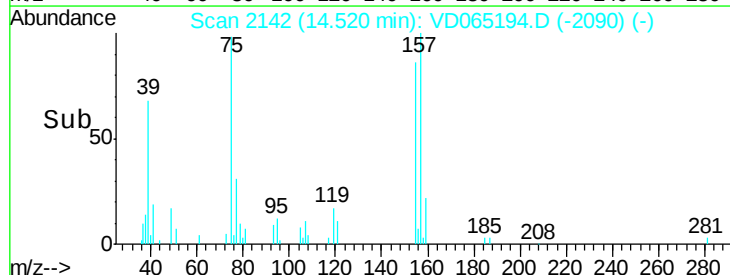
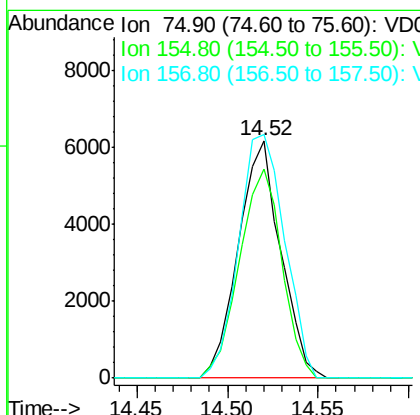
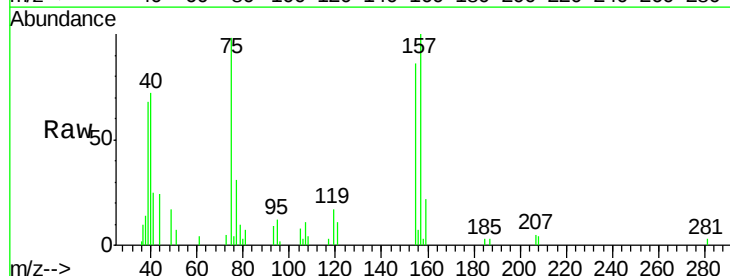
Manual Integrations
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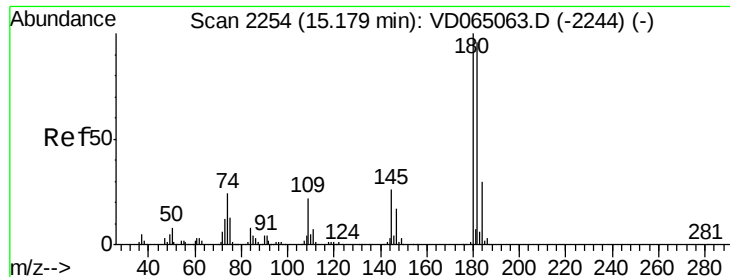
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 2/18/2020 10:58:15 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.313 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065194.D
 Acq: 17 Feb 2020 14:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.3	43.4	130.1
157	111.0	55.8	167.3





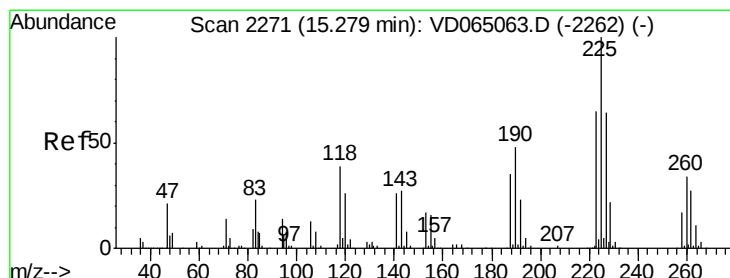
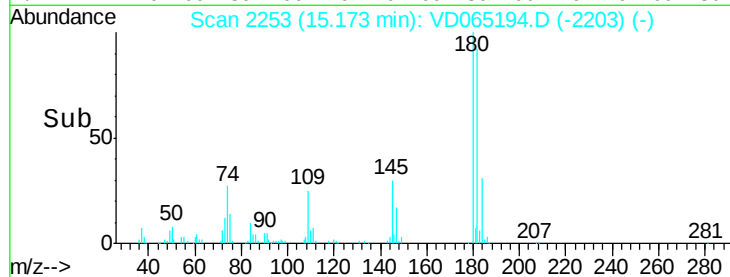
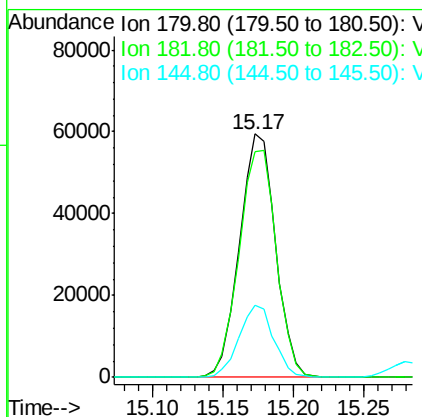
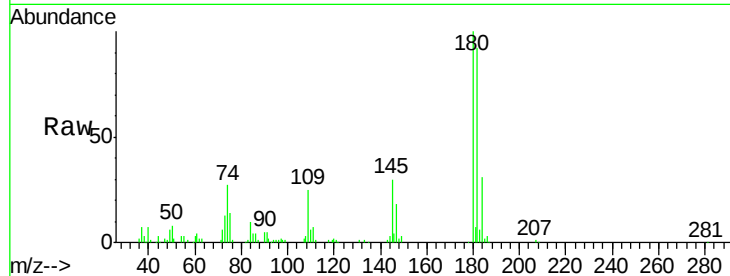
#93
 1,2,4-Trichlorobenzene
 Concen: 19.983 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065194.D
 Acq: 17 Feb 2020 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	106000		
182	96.6	47.4	142.3	
145	28.7	14.1	42.4	

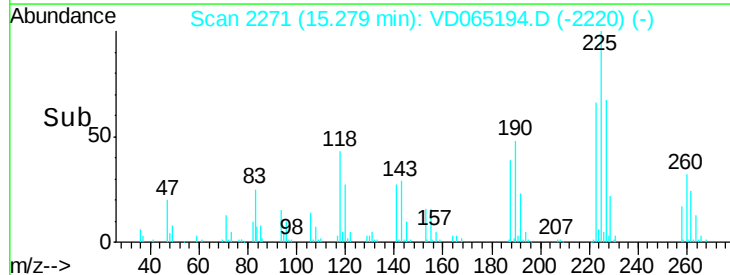
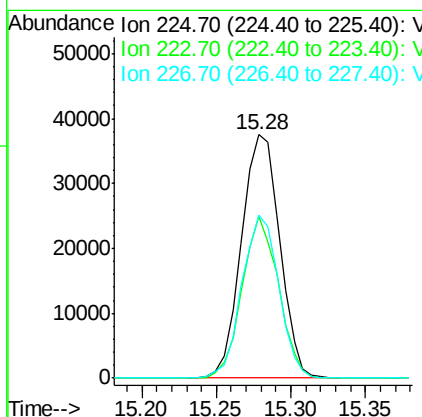
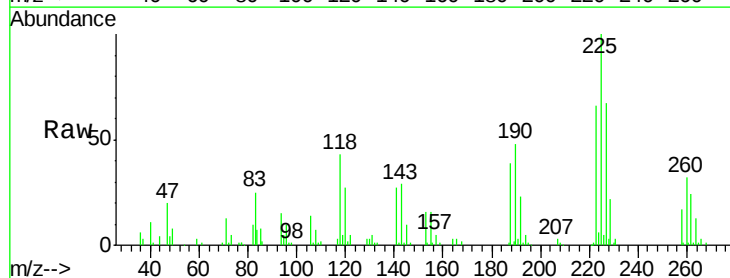
Manual Integrations
 APPROVED

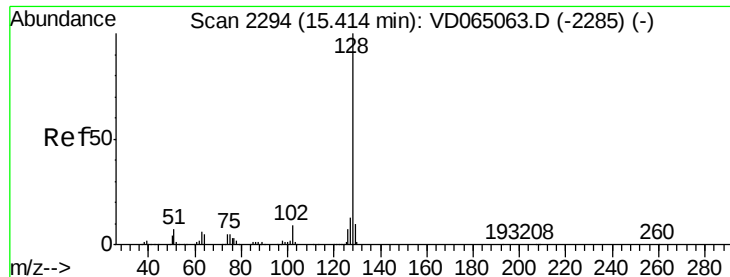
MMDadoda
 2/18/2020 10:58:15 AM



#94
 Hexachlorobutadiene
 Concen: 20.408 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065194.D
 Acq: 17 Feb 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66562		
223	62.9	31.4	94.0	
227	64.6	31.8	95.3	





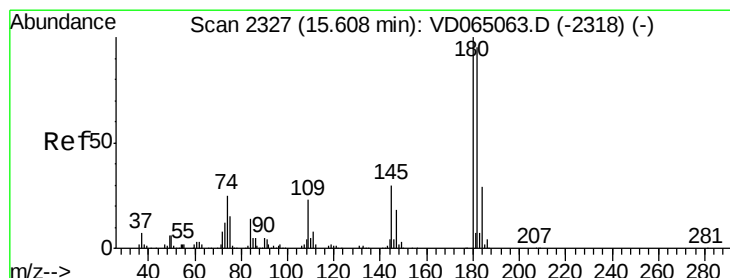
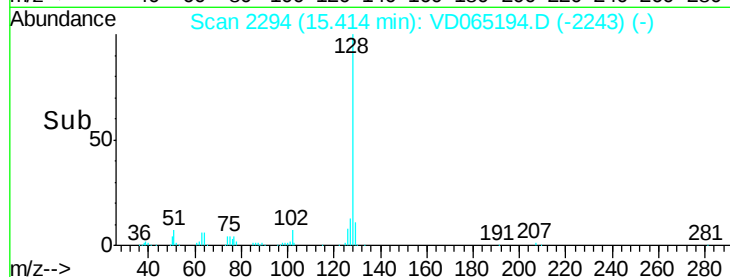
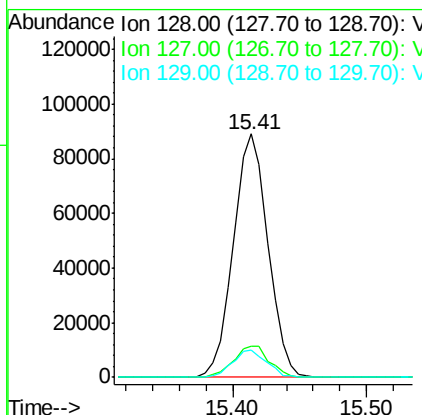
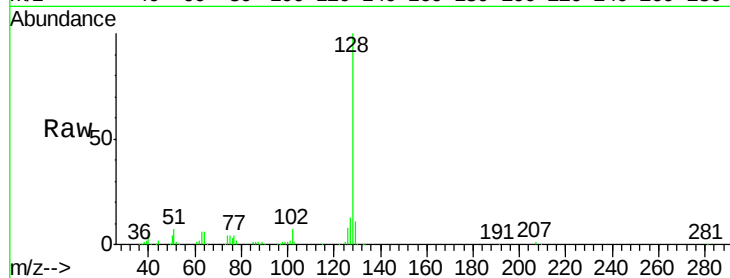
#95
Naphthalene
Concen: 18.171 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/18/2020 10:58:15 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.572 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065194.D
Acq: 17 Feb 2020 14:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.1	47.1	141.4
145	30.2	14.9	44.9

