

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021720\
 Data File : VD065195.D
 Acq On : 17 Feb 2020 14:33
 Operator : VA/SY
 Sample : VD0217SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/18/2020 10:58:20 AM

Quant Time: Feb 18 03:35:39 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	434607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	660471	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	601832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304370	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	207932	56.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.58%	
35) Dibromofluoromethane	7.92	113	212631	57.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.40%	
50) Toluene-d8	10.34	98	829986	56.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.18%	
62) 4-Bromofluorobenzene	12.64	95	269214	57.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72109	19.938	ug/l	100
3) Chloromethane	2.21	50	96711	22.716	ug/l	96
4) Vinyl Chloride	2.35	62	95633	21.240	ug/l	94
5) Bromomethane	2.77	94	57704	19.766	ug/l	97
6) Chloroethane	2.92	64	60038	21.496	ug/l	100
7) Trichlorofluoromethane	3.27	101	137459	20.978	ug/l	100
8) Diethyl Ether	3.71	74	44113	23.451	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	88250	22.031	ug/l	99
10) Methyl Iodide	4.30	142	85703	18.745	ug/l	98
11) Tert butyl alcohol	5.25	59	25403	112.559	ug/l	98
12) 1,1-Dichloroethene	4.06	96	81322	21.198	ug/l	96
13) Acrolein	3.93	56	22149	79.791	ug/l	97
14) Allyl chloride	4.71	41	138698	21.753	ug/l	97
15) Acrylonitrile	5.44	53	96745	117.640	ug/l	100
16) Acetone	4.17	43	88142	95.442	ug/l	90
17) Carbon Disulfide	4.40	76	262465	21.308	ug/l	99
18) Methyl Acetate	4.72	43	52655	27.290	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	180139	21.234	ug/l	100
20) Methylene Chloride	4.97	84	107498	24.420	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	97264	22.409	ug/l	98
22) Diisopropyl ether	6.37	45	284866	23.686	ug/l	97
23) Vinyl Acetate	6.31	43	738464	110.163	ug/l	100
24) 1,1-Dichloroethane	6.27	63	166209	22.833	ug/l	98
25) 2-Butanone	7.23	43	122473	111.176	ug/l	99
26) 2,2-Dichloropropane	7.21	77	144632	22.167	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	103618	22.471	ug/l	98
28) Bromochloromethane	7.55	49	59386	21.521	ug/l	100
29) Tetrahydrofuran	7.57	42	74228	111.423	ug/l	97
30) Chloroform	7.71	83	176162	24.304	ug/l	97
31) Cyclohexane	7.98	56	151079	20.560	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	151578	22.450	ug/l	98
36) 1,1-Dichloropropene	8.11	75	132882	21.637	ug/l	98
37) Ethyl Acetate	7.30	43	52599	20.964	ug/l	95
38) Carbon Tetrachloride	8.10	117	132461	21.118	ug/l	97

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 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)
39) Methylcyclohexane	9.36	83	148575	19.600	ug/l	98
40) Benzene	8.36	78	378865	22.340	ug/l	98
41) Methacrylonitrile	7.54	41	35155	25.433	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	109276	22.614	ug/l	98
43) Isopropyl Acetate	8.46	43	104592	21.792	ug/l	98
44) Trichloroethene	9.11	130	105694	21.712	ug/l	97
45) 1,2-Dichloropropane	9.39	63	93963	23.108	ug/l	96
46) Dibromomethane	9.48	93	49701	23.261	ug/l	97
47) Bromodichloromethane	9.67	83	132410	23.519	ug/l	99
48) Methyl methacrylate	9.46	41	48253	20.893	ug/l	97
49) 1,4-Dioxane	9.48	88	12167	480.769	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	265807	112.516	ug/l	98
52) Toluene	10.41	92	245064	22.641	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	122646	22.375	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	144446	22.033	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	69878	23.843	ug/l	97
56) Ethyl methacrylate	10.67	69	82599	22.275	ug/l	95
57) 1,3-Dichloropropane	10.95	76	120571	23.396	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	125133	92.464	ug/l	98
59) 2-Hexanone	10.99	43	185276	110.723	ug/l	99
60) Dibromochloromethane	11.14	129	90672	23.886	ug/l	98
61) 1,2-Dibromoethane	11.25	107	66402	23.188	ug/l	99
64) Tetrachloroethene	10.88	164	92186	21.317	ug/l	97
65) Chlorobenzene	11.68	112	264590	22.730	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	96427	22.445	ug/l	98
67) Ethyl Benzene	11.75	91	446128	21.095	ug/l	98
68) m/p-Xylenes	11.86	106	349801	43.337	ug/l	99
69) o-Xylene	12.18	106	150409	20.693	ug/l	96
70) Styrene	12.20	104	277898	21.997	ug/l	99
71) Bromoform	12.37	173	52263	22.601	ug/l #	98
73) Isopropylbenzene	12.48	105	421562	20.179	ug/l	100
74) N-amyl acetate	12.30	43	93062	20.495	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	77143	23.463	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	52966m	22.985	ug/l	
77) Bromobenzene	12.77	156	106336	21.127	ug/l	99
78) n-propylbenzene	12.83	91	512564	20.951	ug/l	99
79) 2-Chlorotoluene	12.91	91	286065	20.977	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	351158	20.547	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	25427	22.067	ug/l	93
82) 4-Chlorotoluene	13.01	91	306401	21.393	ug/l	100
83) tert-Butylbenzene	13.23	119	288002	19.532	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	361326	21.295	ug/l	98
85) sec-Butylbenzene	13.41	105	414053	20.560	ug/l	99
86) p-Isopropyltoluene	13.53	119	386374	20.649	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	203527	21.597	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	200646	21.392	ug/l	99
89) n-Butylbenzene	13.86	91	352930	20.436	ug/l	99
90) Hexachloroethane	14.12	117	76922	21.710	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	173407	21.483	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11937	22.240	ug/l	95

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ClientSampleId :
VD0217SBSD01

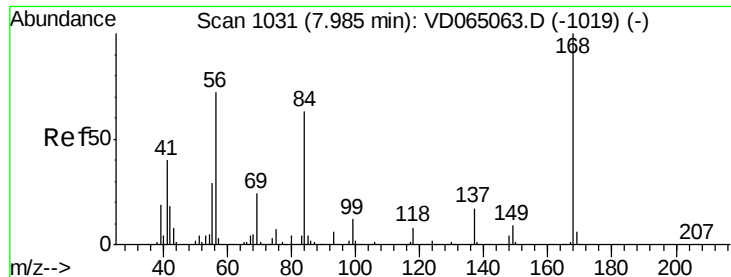
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.17	180	116682	20.225	ug/l	99
94) Hexachlorobutadiene	15.28	225	73019	20.584	ug/l	100
95) Naphthalene	15.41	128	189482	19.760	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	104211	21.118	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBSD01

Tot Ion:168 Resp: 434607

Ion Ratio Lower Upper

168 100

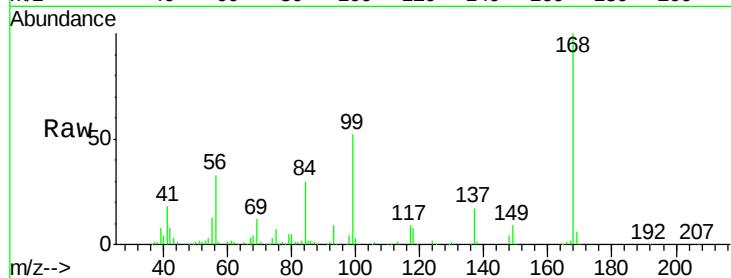
99 51.4 41.0 61.6

Manual Integrations

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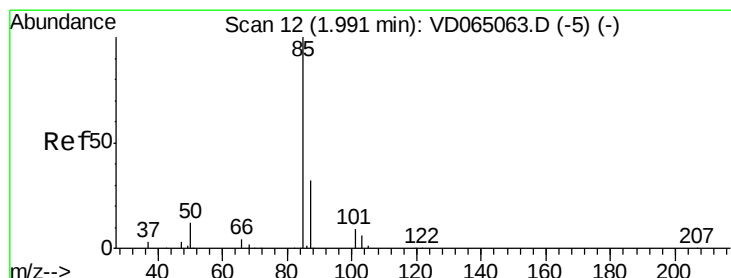
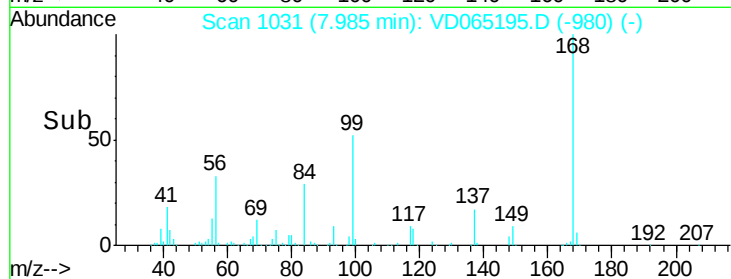
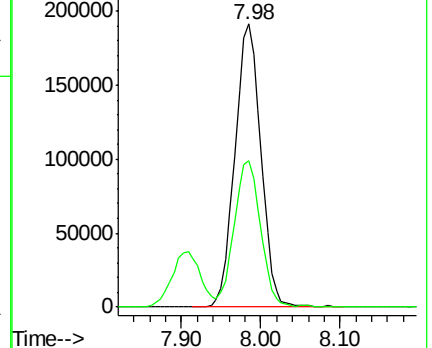
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.938 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065195.D

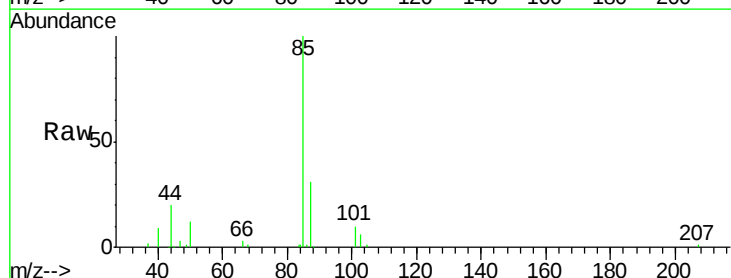
Acq: 17 Feb 2020 14:33

Tgt Ion: 85 Resp: 72109

Ion Ratio Lower Upper

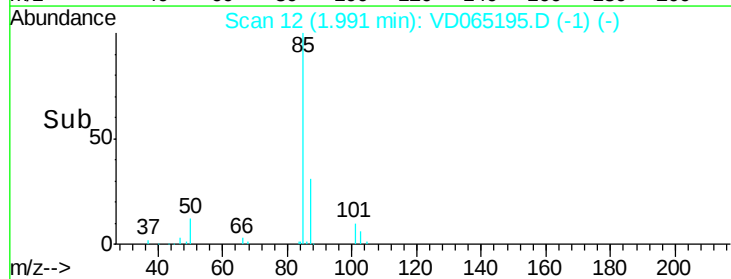
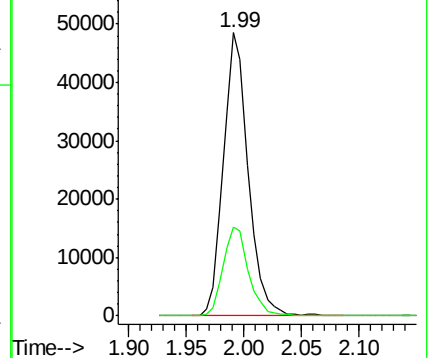
85 100

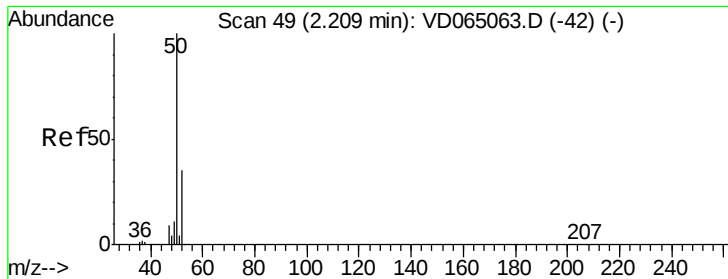
87 31.3 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.716 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBS01

Tot Ion: 50 Resp: 96711

Ion Ratio Lower Upper

50 100

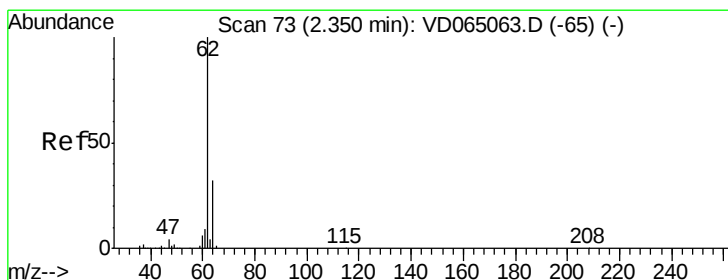
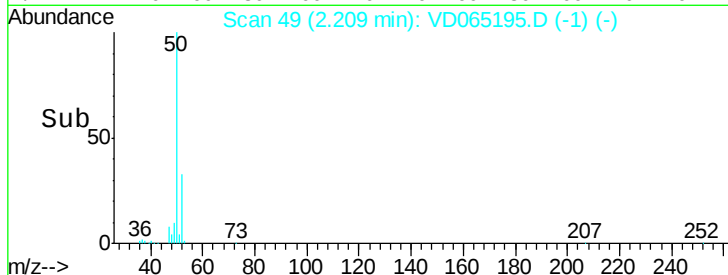
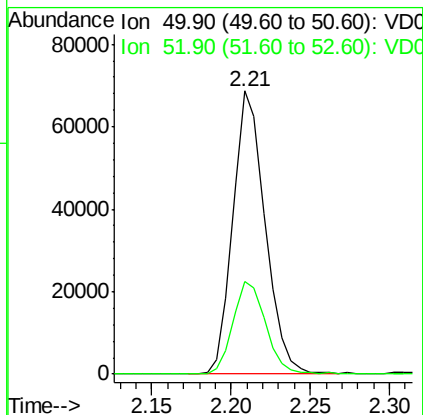
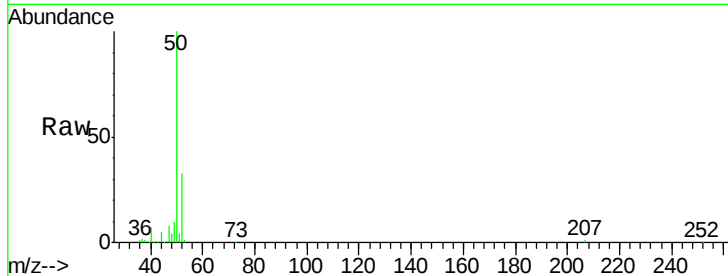
52 32.6 27.8 41.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.240 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065195.D

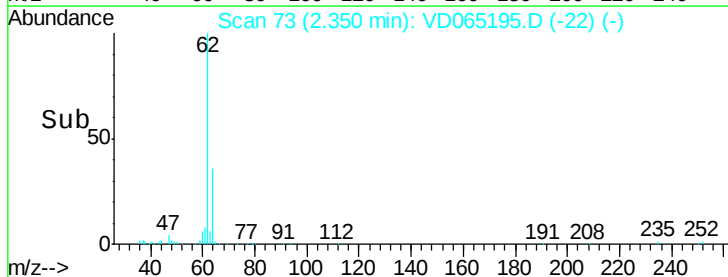
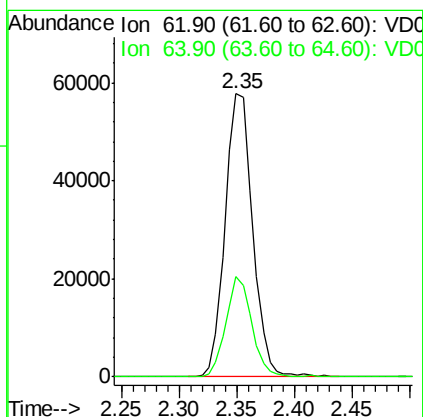
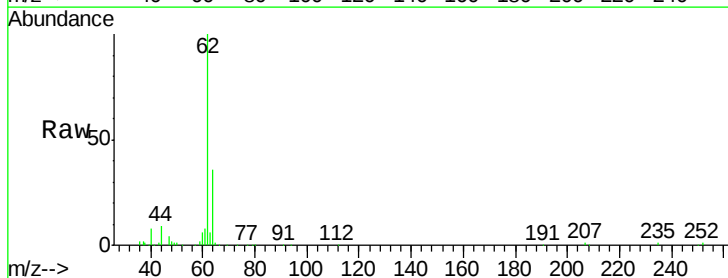
Acq: 17 Feb 2020 14:33

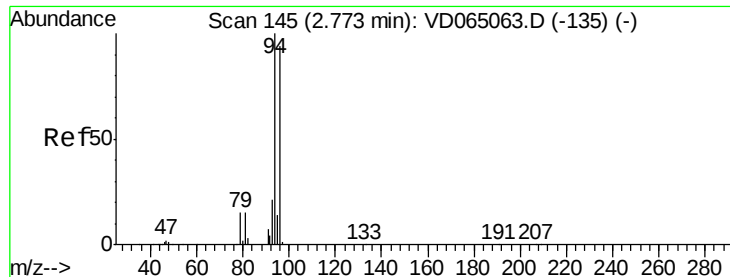
Tgt Ion: 62 Resp: 95633

Ion Ratio Lower Upper

62 100

64 35.7 25.9 38.9





#5

Bromomethane

Concen: 19.766 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBS01

Tot Ion: 94 Resp: 57704

Ion Ratio Lower Upper

94 100

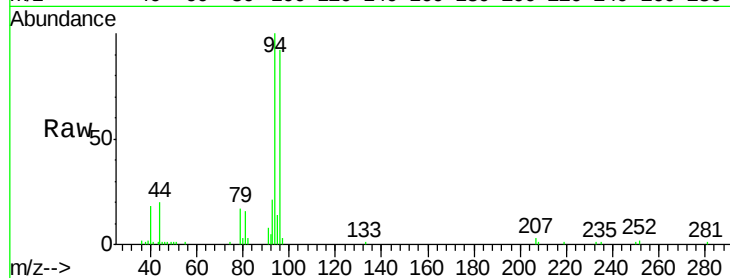
96 90.9 75.4 113.0

Manual Integrations

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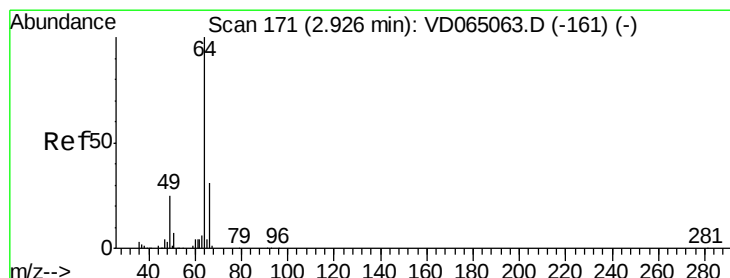
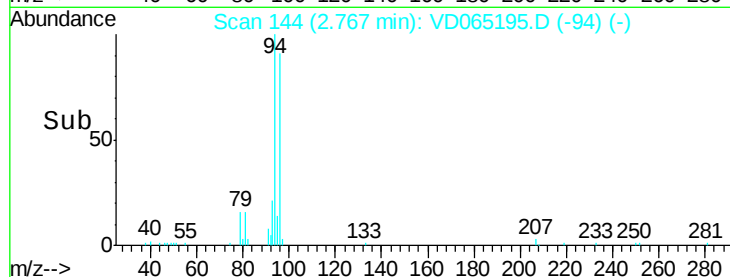
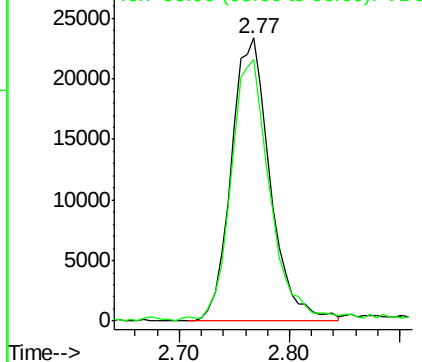
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.496 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065195.D

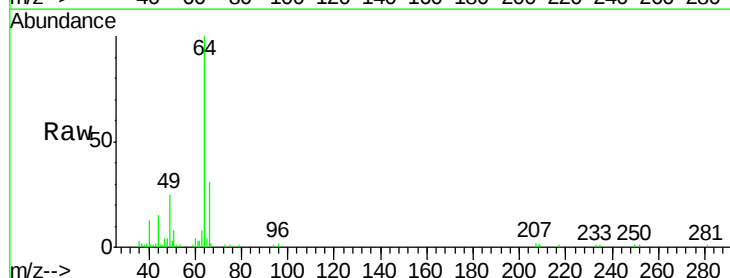
Acq: 17 Feb 2020 14:33

Tgt Ion: 64 Resp: 60038

Ion Ratio Lower Upper

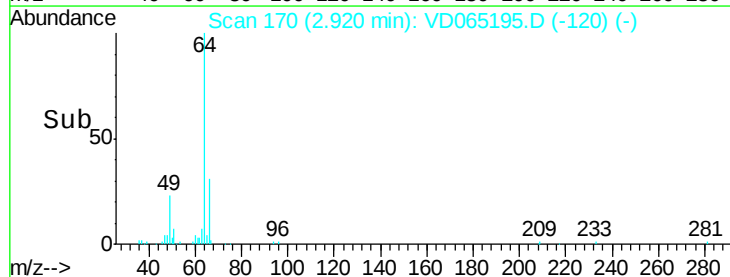
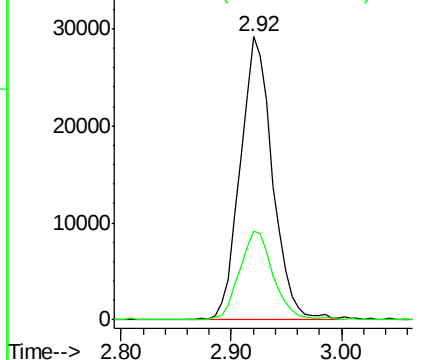
64 100

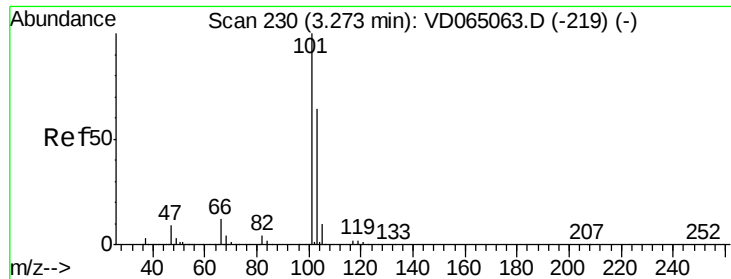
66 31.2 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

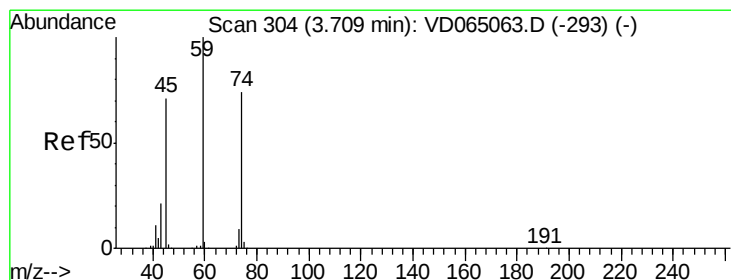
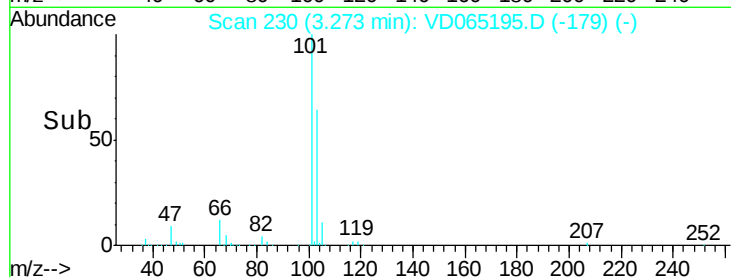
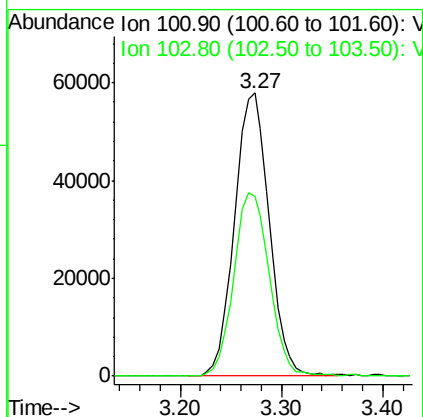
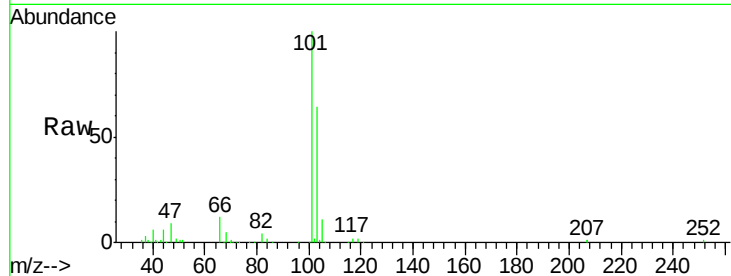
Trichlorofluoromethane
 Concen: 20.978 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Instrument :
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 VD0217SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.0	76.6

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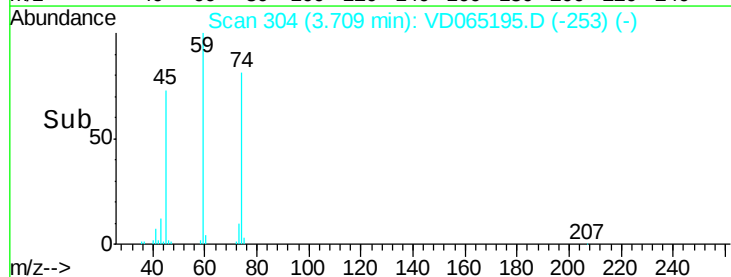
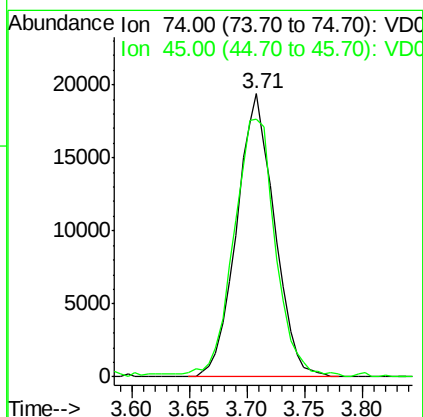
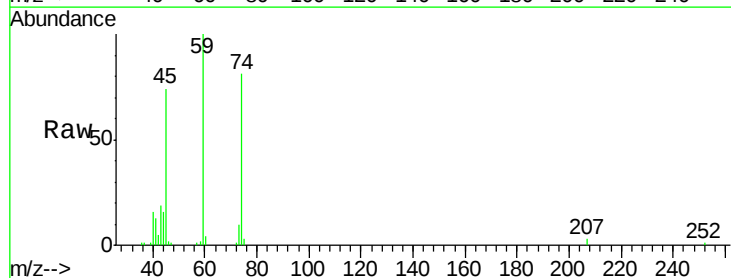
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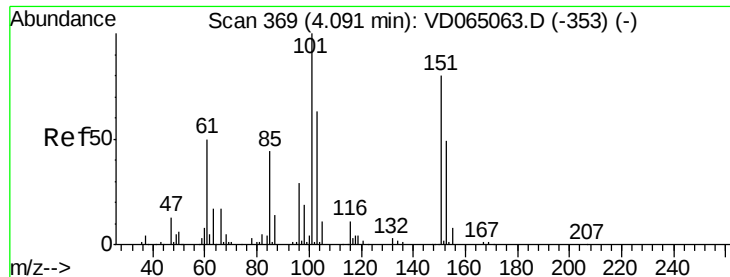


#8

Diethyl Ether
 Concen: 23.451 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.2	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.031 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

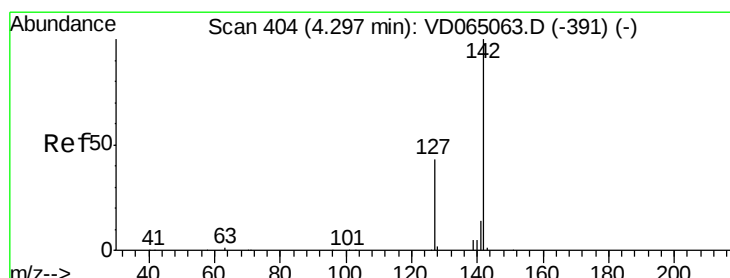
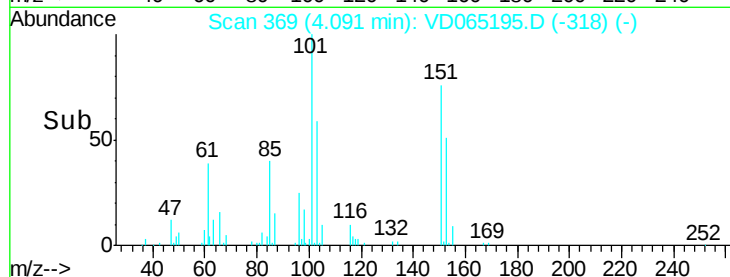
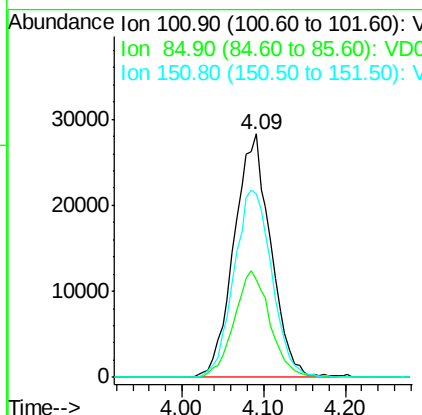
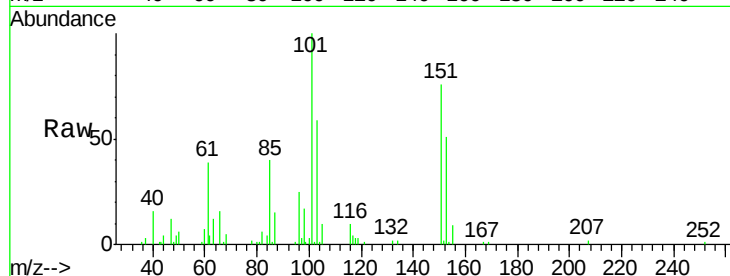
ClientSampleId :

VD0217SBSD01

Tot Ion:	101	Resp:	88250
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.0	51.0
151	79.4	64.0	96.0

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#10

Methyl Iodide

Concen: 18.745 ug/l

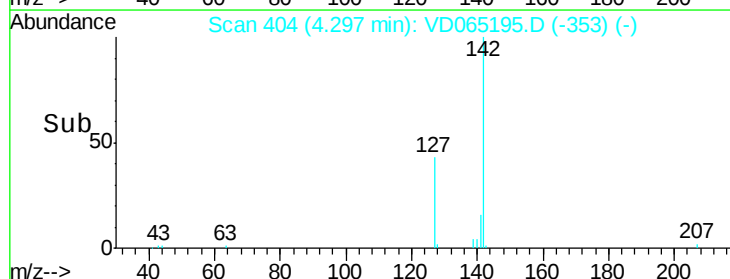
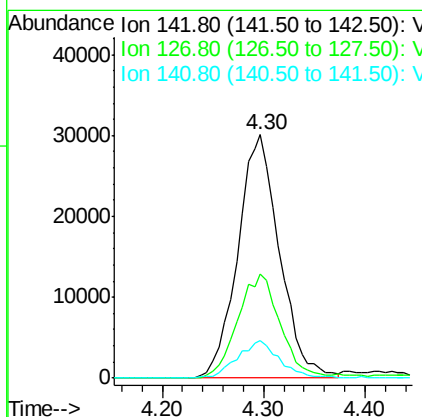
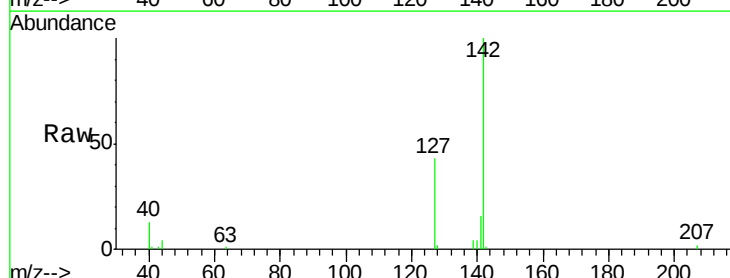
RT: 4.30 min Scan# 404

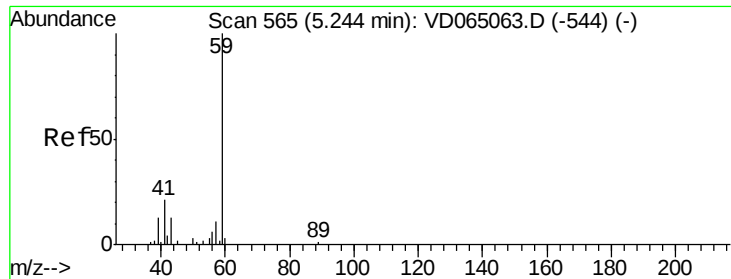
Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Tgt Ion:	142	Resp:	85703
Ion Ratio	Lower	Upper	
142	100		
127	43.6	34.0	51.0
141	15.5	11.6	17.4





#11

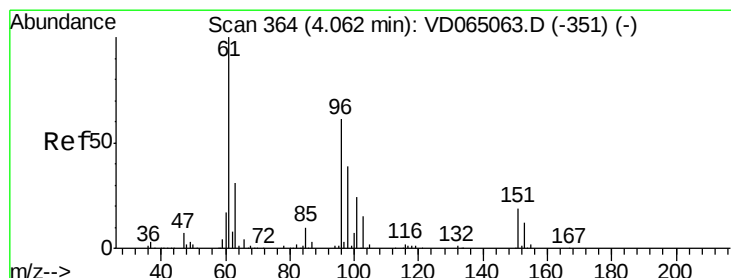
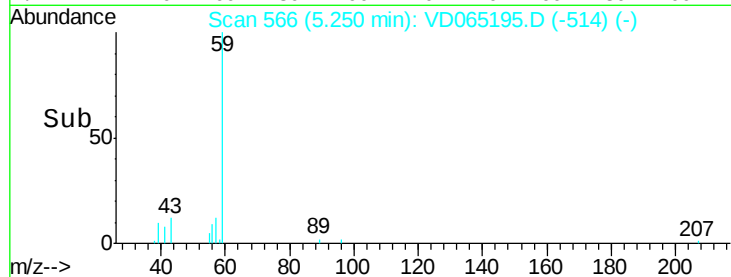
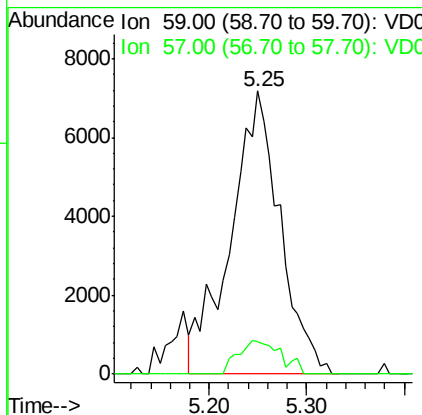
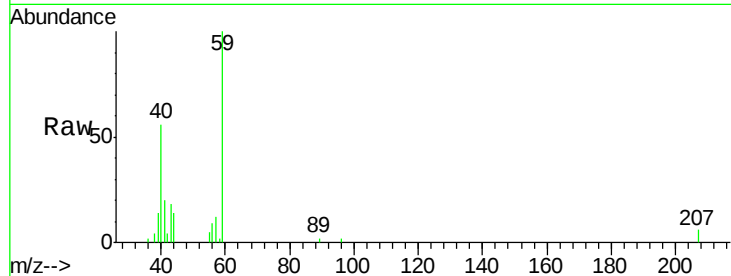
Tert butyl alcohol
 Concen: 112.559 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.8	13.2

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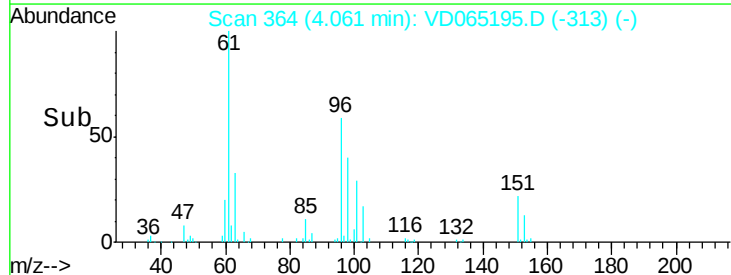
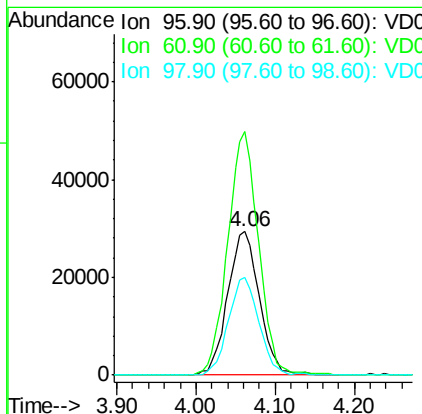
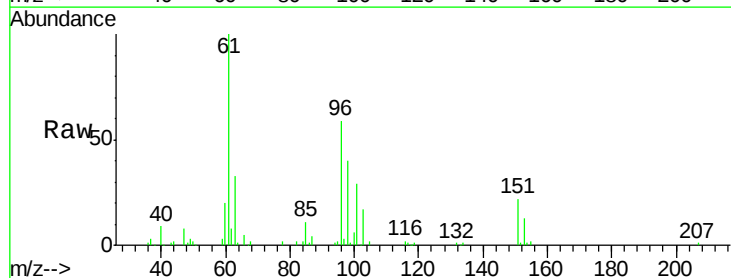
MMDadoda
 2/18/2020 10:58:20 AM



#12

1,1-Dichloroethene
 Concen: 21.198 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.4	131.4	197.2
98	67.8	51.1	76.7





#13

Acrolein

Concen: 79.791 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBSD01

Tot Ion: 56 Resp: 22149

Ion Ratio Lower Upper

56 100

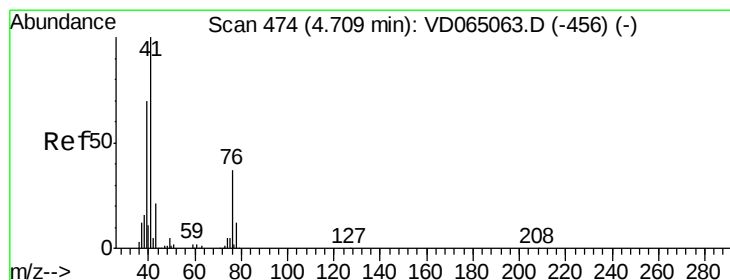
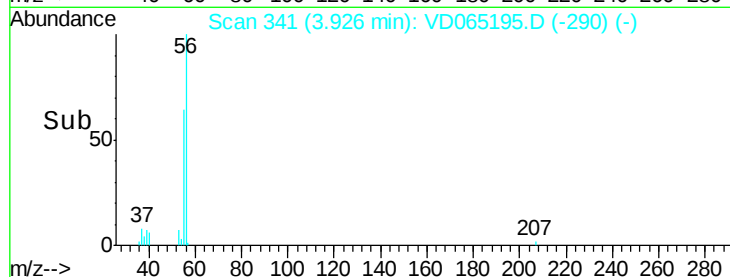
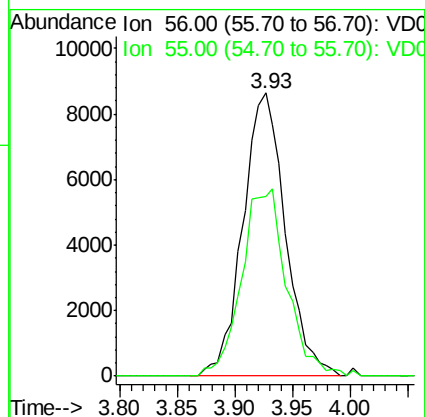
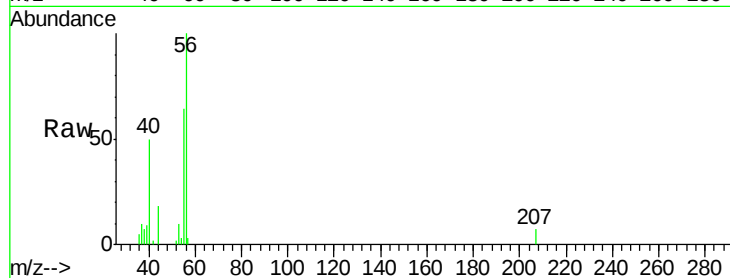
55 70.4 58.2 87.2

Manual Integrations

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#14

Allyl chloride

Concen: 21.753 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

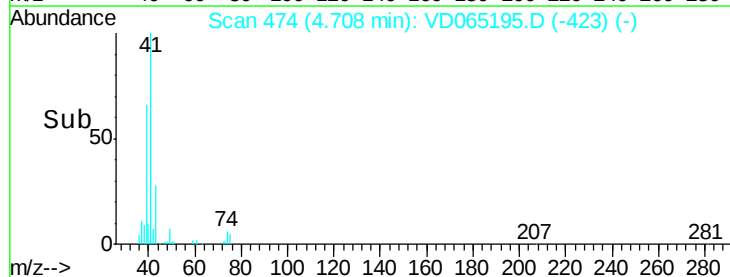
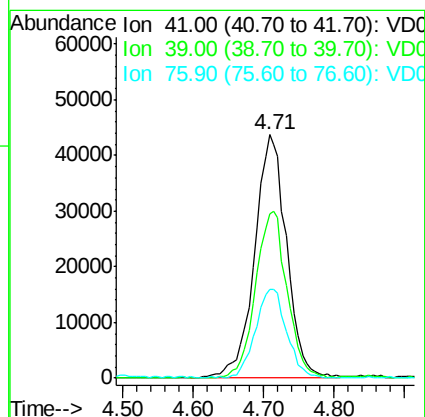
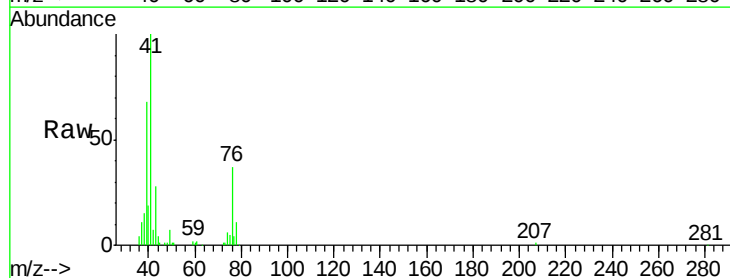
Tgt Ion: 41 Resp: 138698

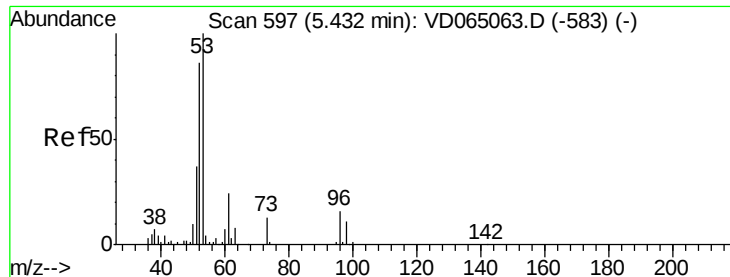
Ion Ratio Lower Upper

41 100

39 67.7 57.1 85.7

76 35.6 28.0 42.0





#15

Acrylonitrile

Concen: 117.640 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

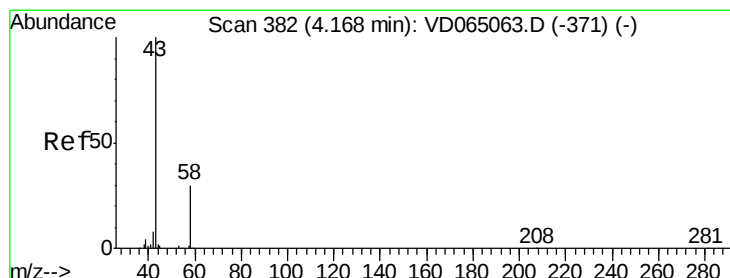
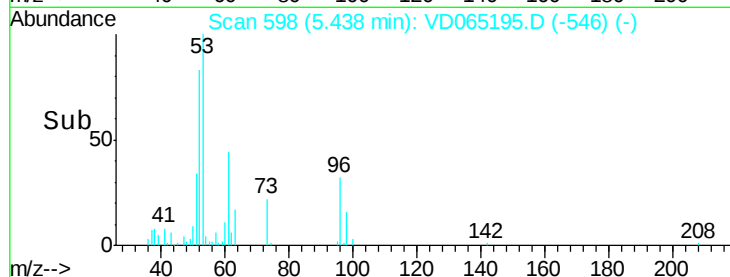
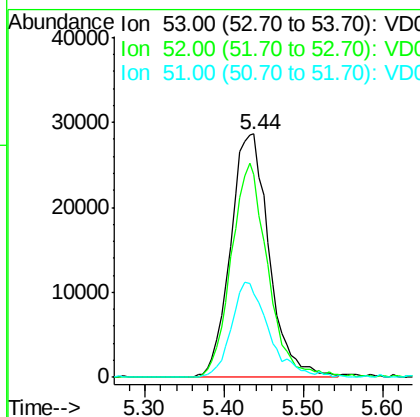
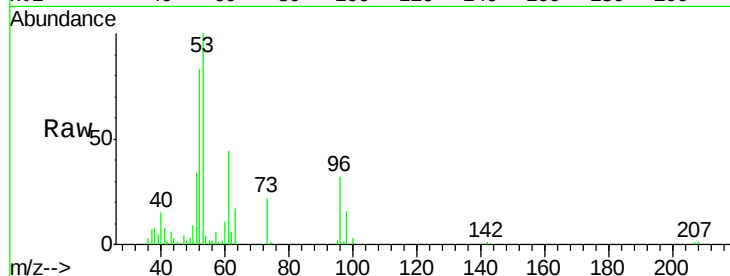
ClientSampleId :

VD0217SBS01

Tot Ion:	53	Resp:	96745
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.2	99.2
51	38.1	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 95.442 ug/l

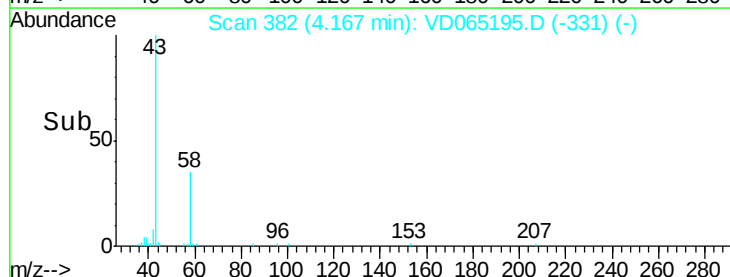
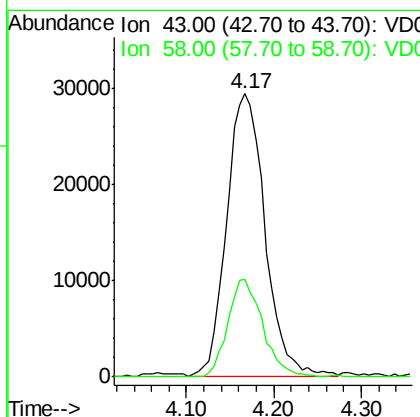
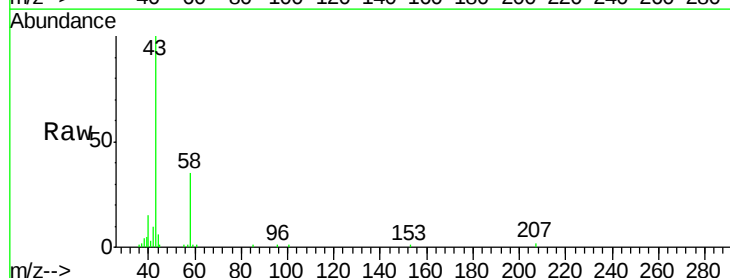
RT: 4.17 min Scan# 382

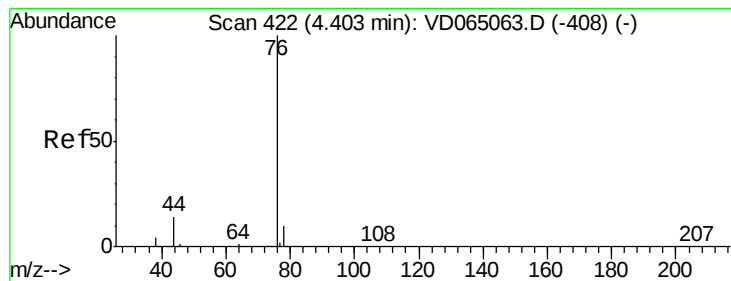
Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Tgt Ion:	43	Resp:	88142
Ion Ratio	Lower	Upper	
43	100		
58	34.7	23.5	35.3





#17

Carbon Disulfide

Concen: 21.308 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBSD01

Tot Ion: 76 Resp: 262465

Ion Ratio Lower Upper

76 100

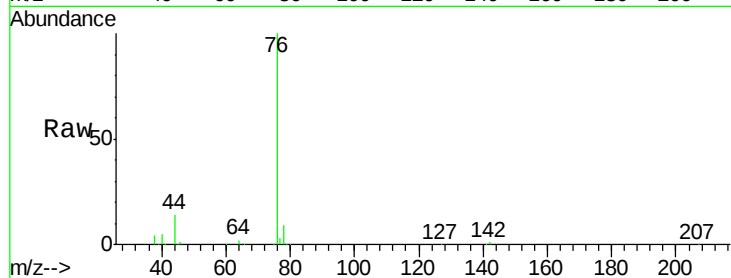
78 9.0 7.6 11.4

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

100000

80000

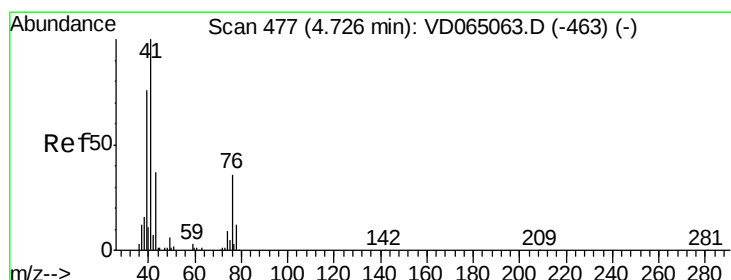
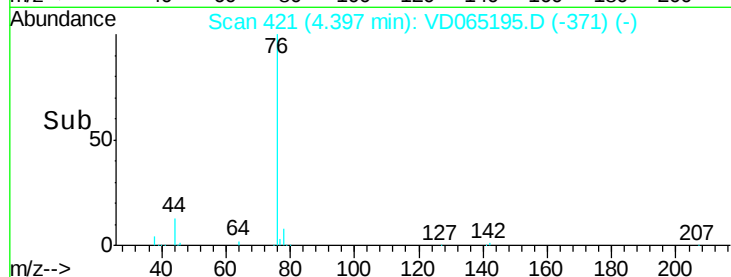
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 27.290 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065195.D

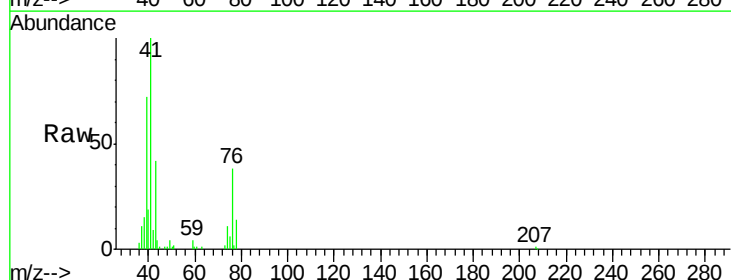
Acq: 17 Feb 2020 14:33

Tgt Ion: 43 Resp: 52655

Ion Ratio Lower Upper

43 100

74 22.8 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

20000

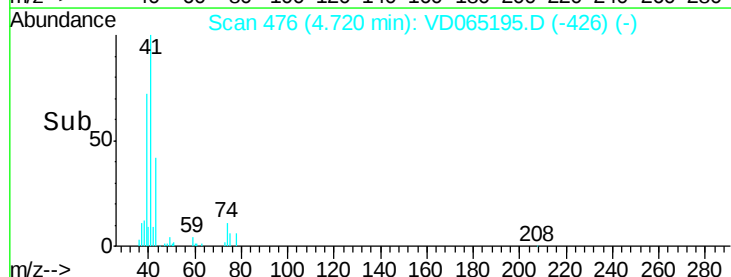
15000

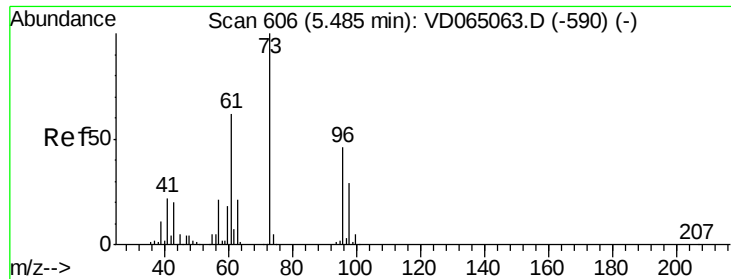
10000

5000

0

Time-->





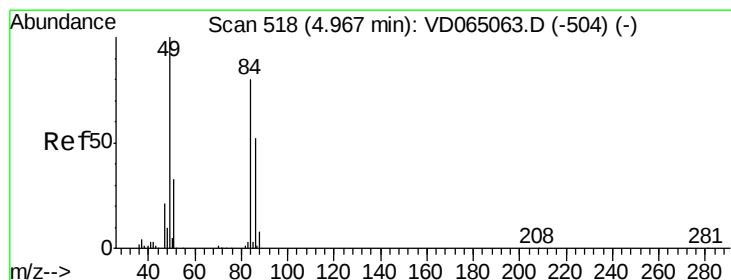
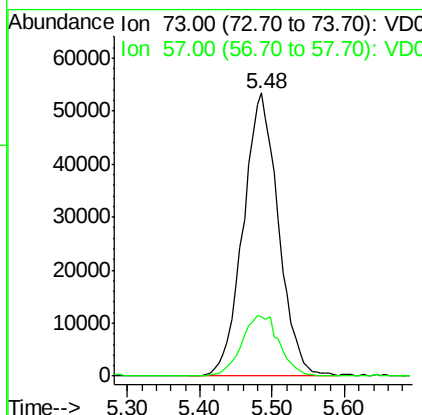
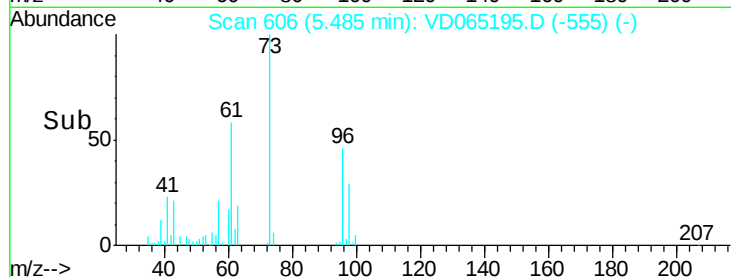
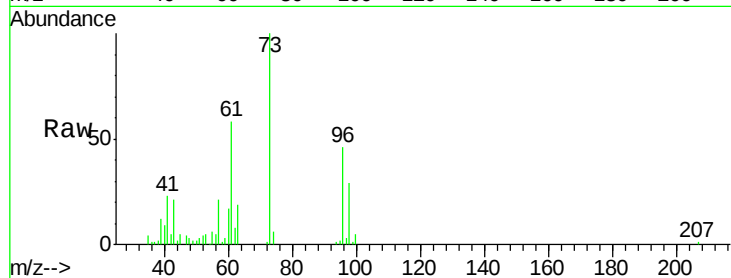
#19
Methyl tert-butyl Ether
Concen: 21.234 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion: 73 Resp: 180139
Ion Ratio Lower Upper
73 100
57 21.0 16.8 25.2

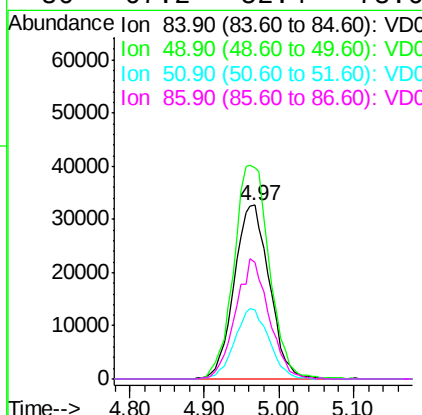
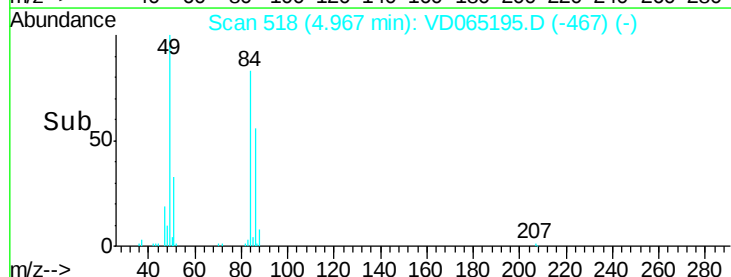
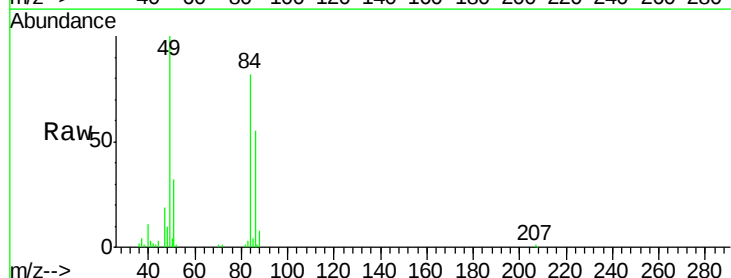
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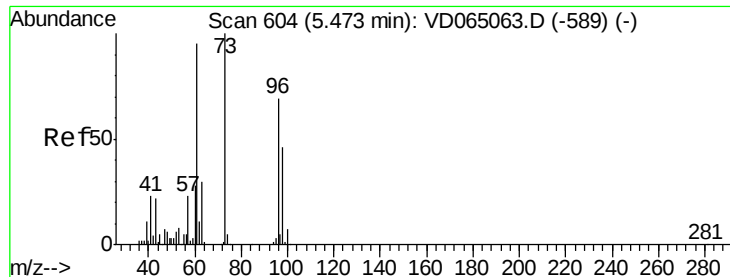
MMDadoda
2/18/2020 10:58:20 AM



#20
Methylene Chloride
Concen: 24.420 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion: 84 Resp: 107498
Ion Ratio Lower Upper
84 100
49 121.7 100.4 150.6
51 39.4 32.7 49.1
86 67.2 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 22.409 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

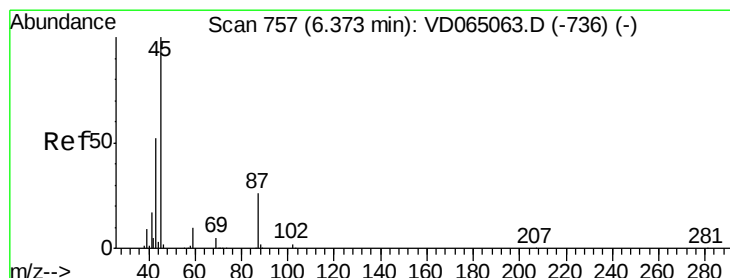
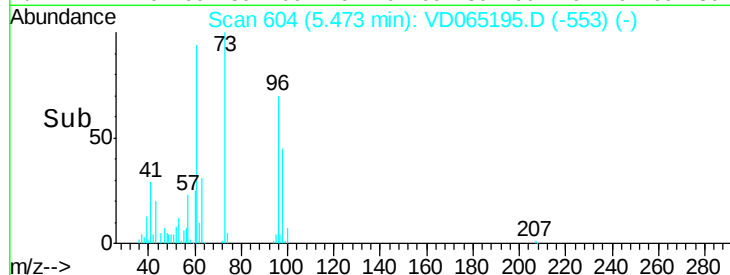
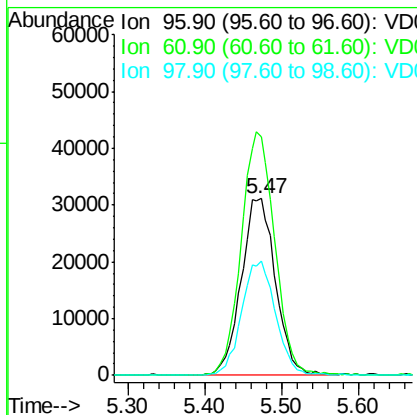
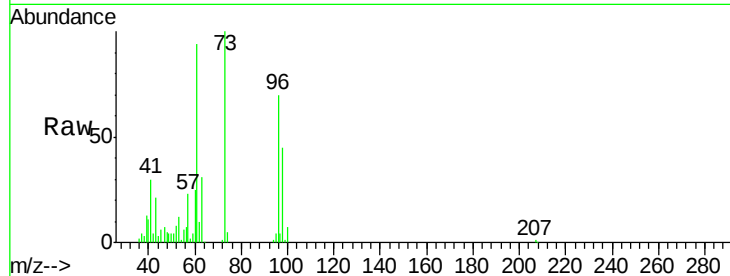
ClientSampleId :

VD0217SBSD01

Tot Ion:	96	Resp:	97264
Ion	Ratio	Lower	Upper
96	100		
61	134.7	109.5	164.3
98	64.5	53.7	80.5

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#22

Diisopropyl ether

Concen: 23.686 ug/l

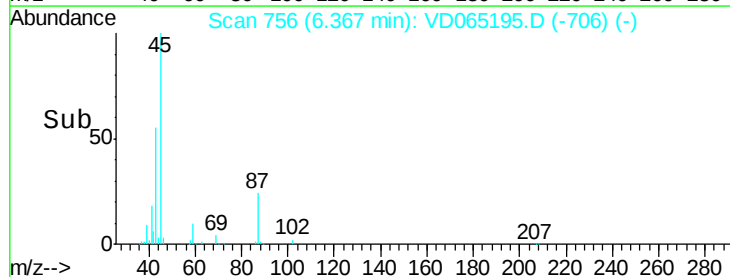
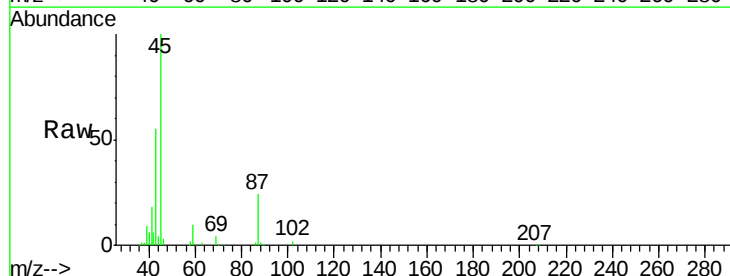
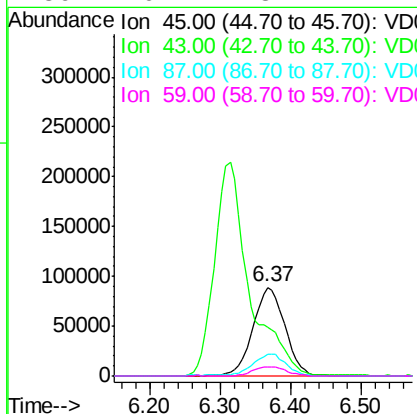
RT: 6.37 min Scan# 756

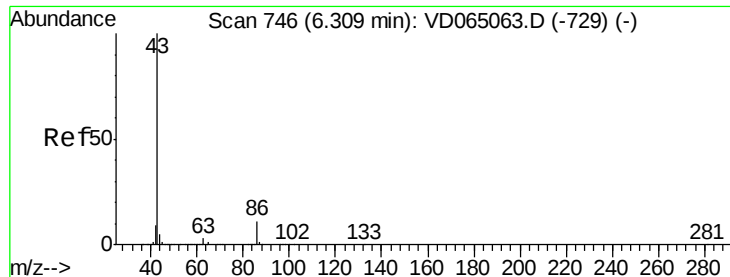
Delta R.T. -0.01 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Tgt Ion:	45	Resp:	284866
Ion	Ratio	Lower	Upper
45	100		
43	53.2	41.3	61.9
87	24.2	21.0	31.6
59	10.1	8.2	12.4





#23

Vinyl Acetate

Concen: 110.163 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleID :

VD0217SBS01

Tot Ion: 43 Resp: 738464

Ion Ratio Lower Upper

43 100

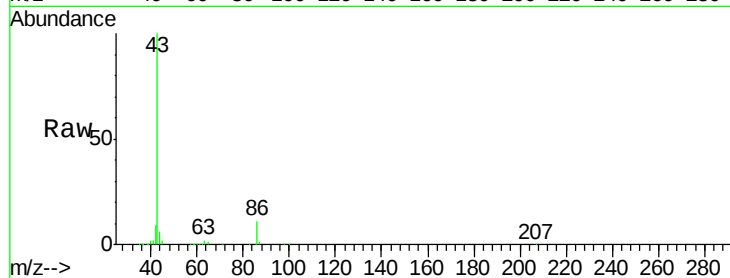
86 10.6 8.5 12.7

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

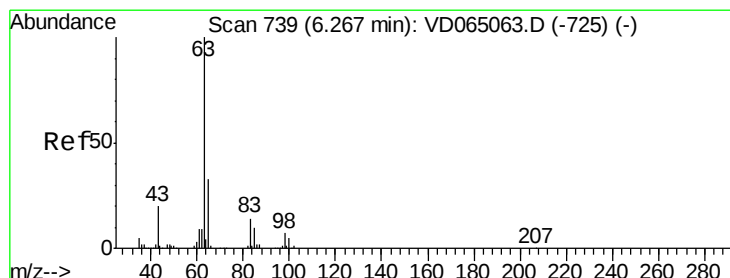
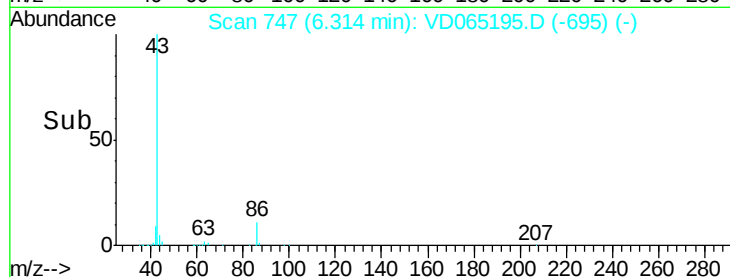
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 22.833 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

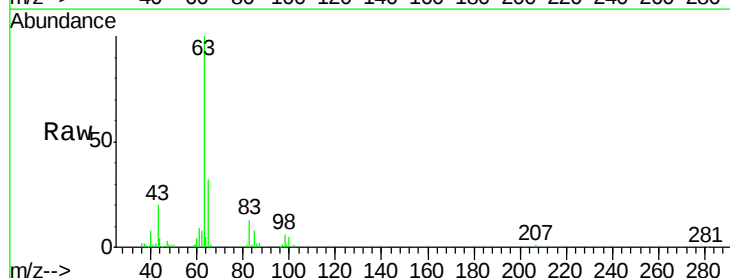
Tgt Ion: 63 Resp: 166209

Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.4

100 4.7 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

60000

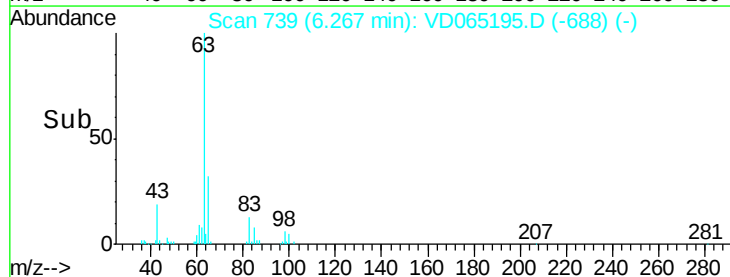
40000

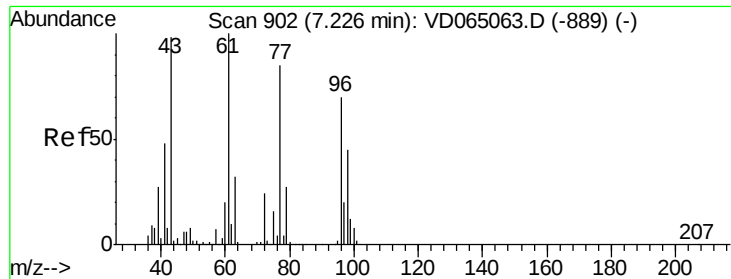
20000

0

6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 111.176 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBSD01

Tot Ion: 43 Resp: 122473

Ion Ratio Lower Upper

43 100

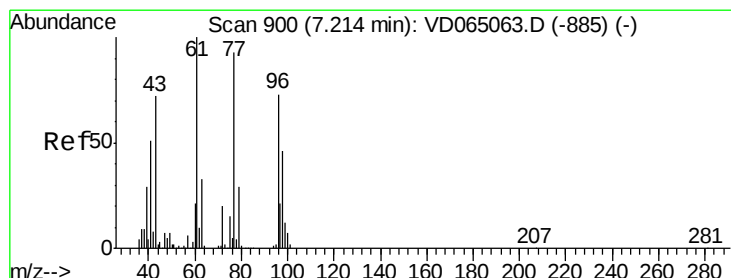
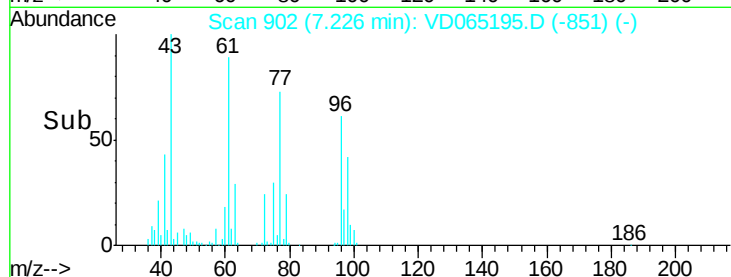
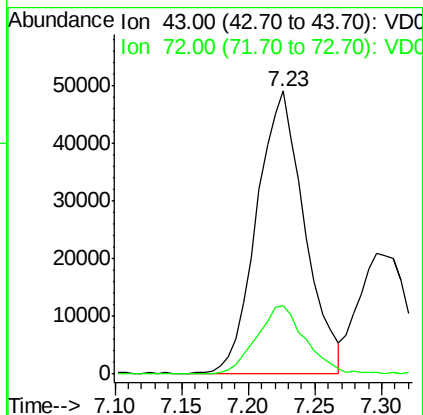
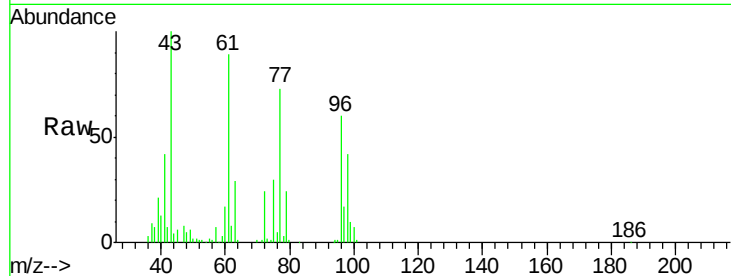
72 24.2 19.9 29.9

Manual Integrations

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MMDadoda

2/18/2020 10:58:20 AM



#26

2,2-Dichloropropane

Concen: 22.167 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065195.D

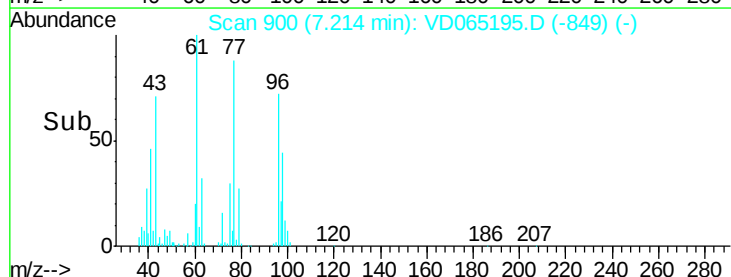
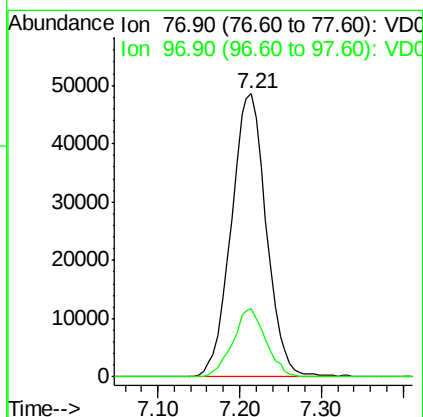
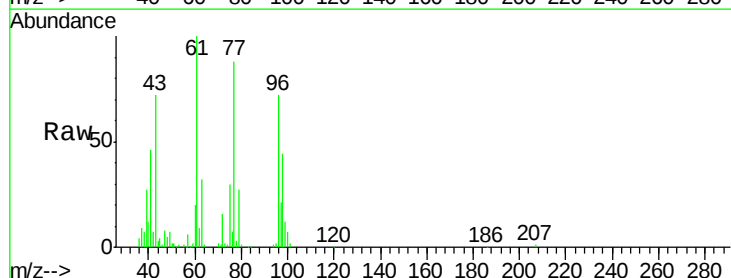
Acq: 17 Feb 2020 14:33

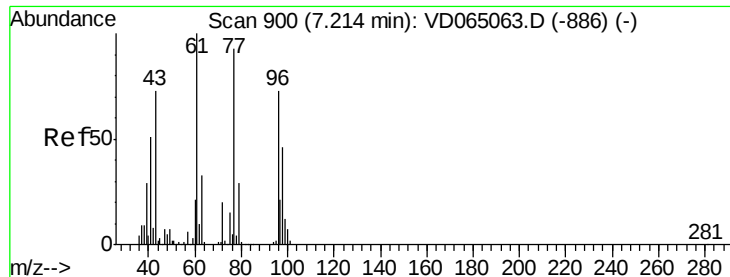
Tgt Ion: 77 Resp: 144632

Ion Ratio Lower Upper

77 100

97 22.6 10.9 32.6





#27

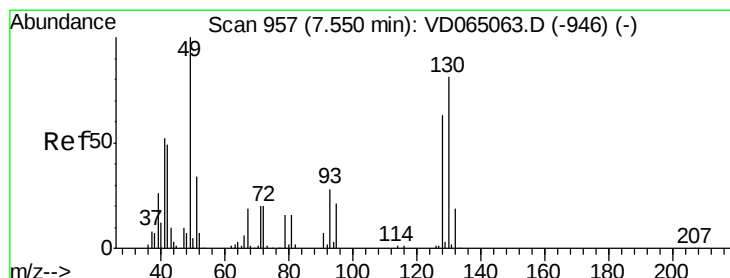
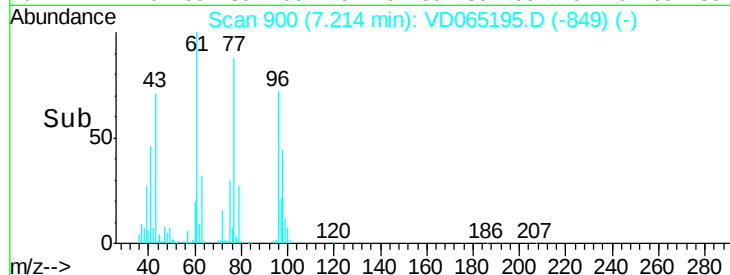
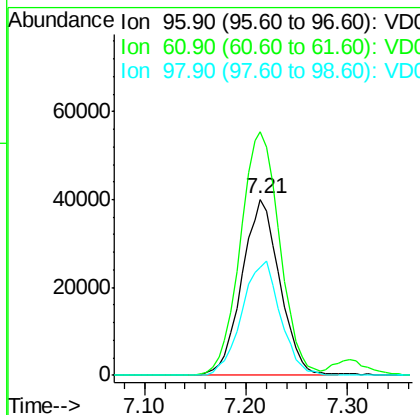
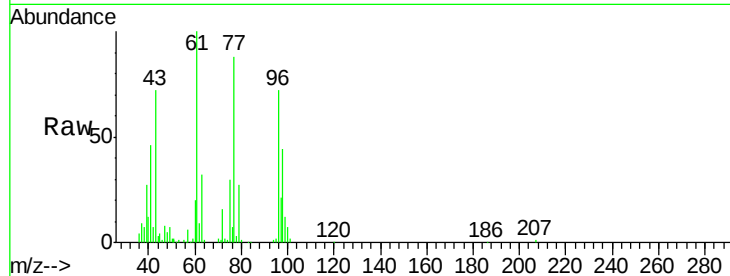
cis-1,2-Dichloroethene
 Concen: 22.471 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.4	0.0	292.8
98	65.9	0.0	128.8

Manual Integrations
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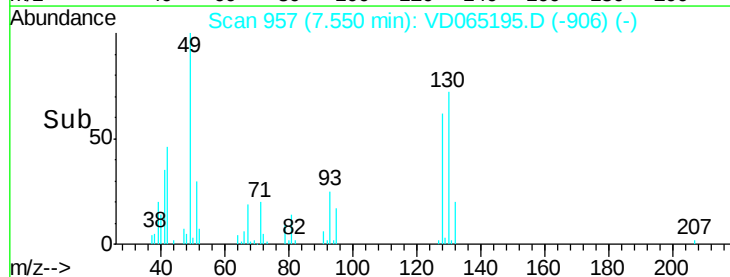
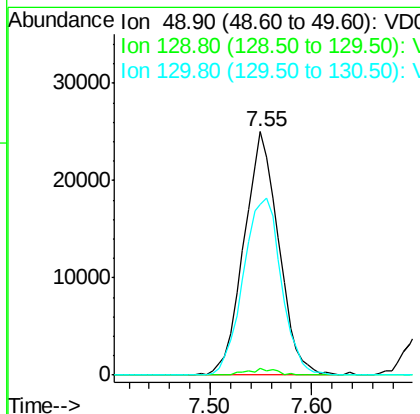
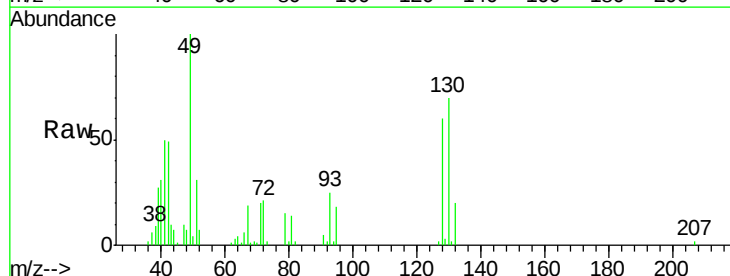
MMDadoda
 2/18/2020 10:58:20 AM

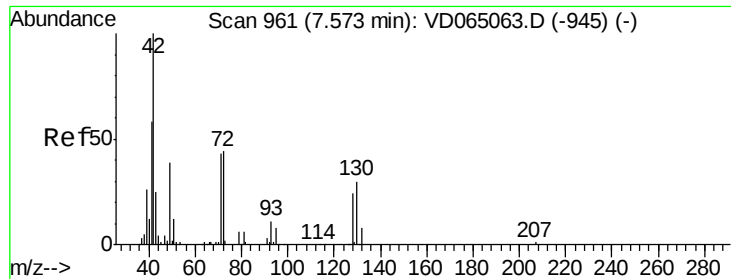


#28

Bromochloromethane
 Concen: 21.521 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	79.8	63.8	95.8





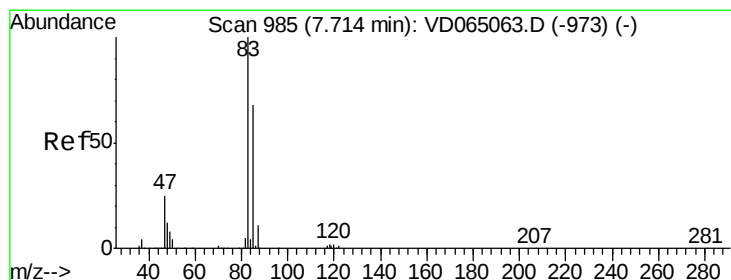
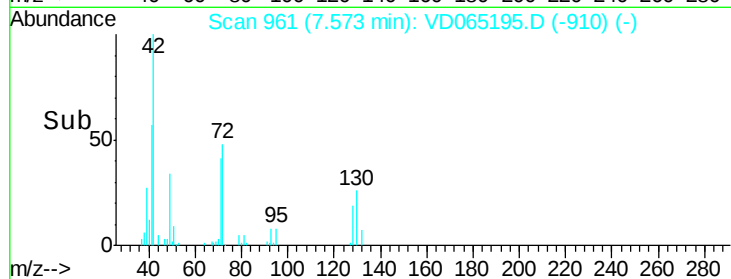
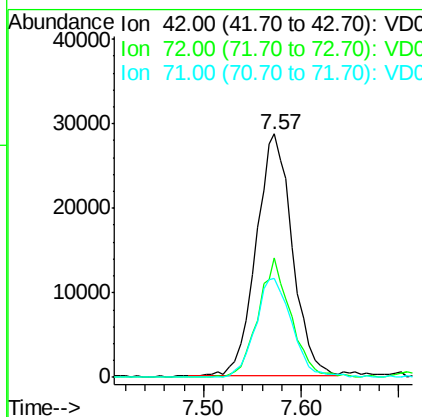
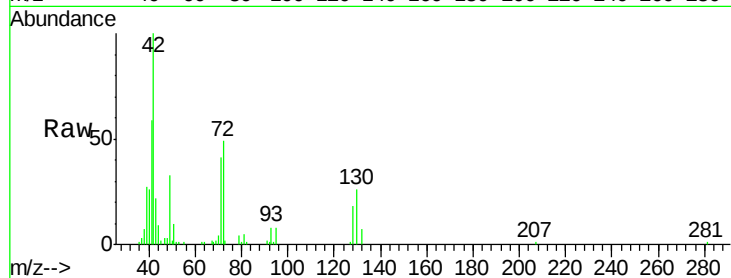
#29
Tetrahydrofuran
Concen: 111.423 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	34.2	51.4
71	41.3	31.8	47.6

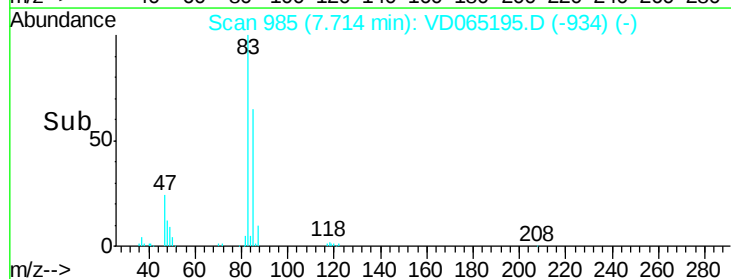
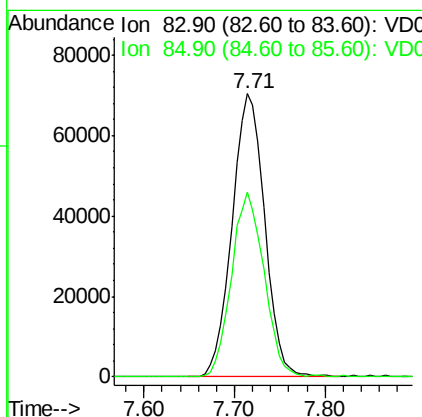
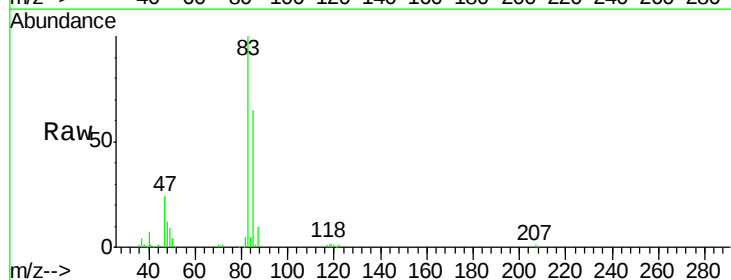
Manual Integrations
APPROVED

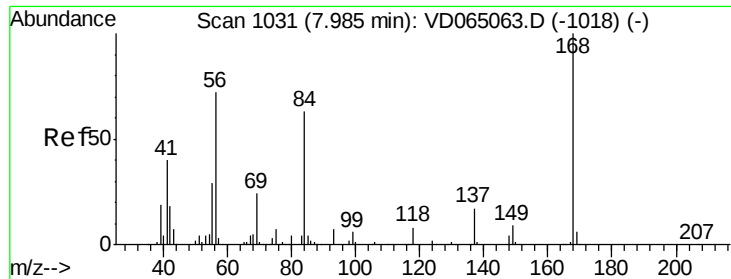
MMDadoda
2/18/2020 10:58:20 AM



#30
Chloroform
Concen: 24.304 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	54.2	81.4





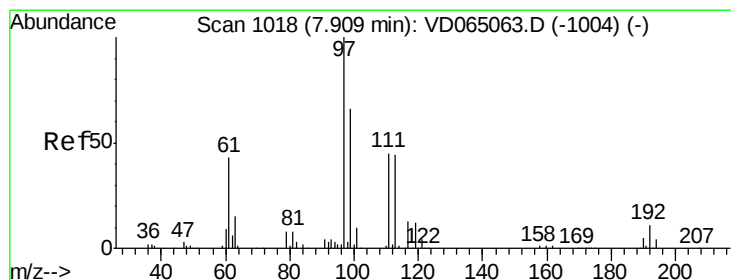
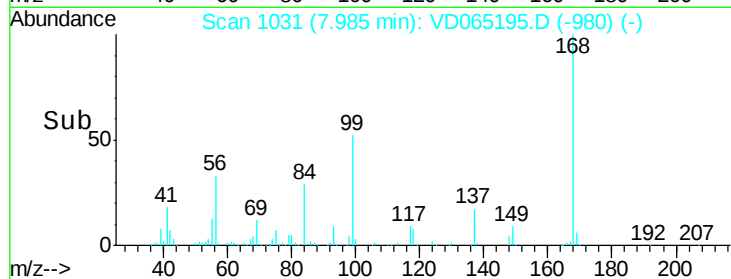
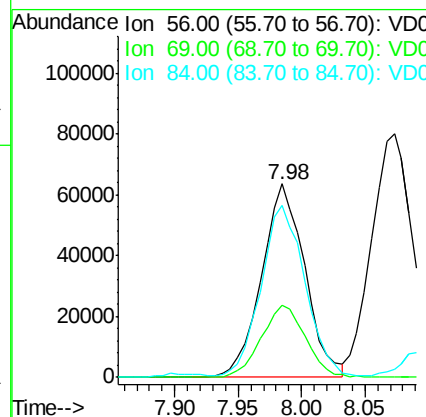
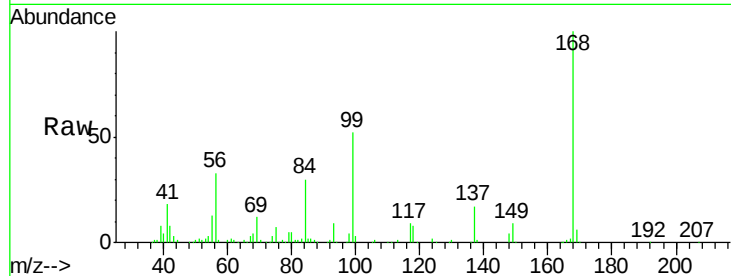
#31
Cyclohexane
Concen: 20.560 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.9	26.6	40.0
84	87.8	70.6	106.0

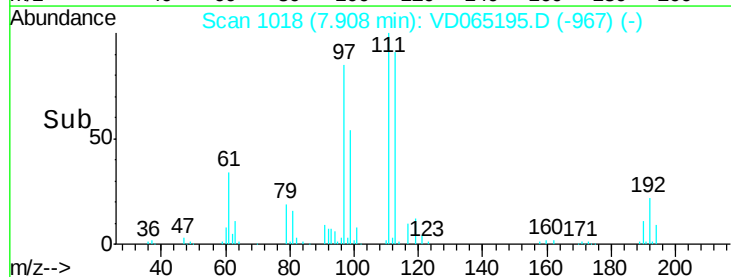
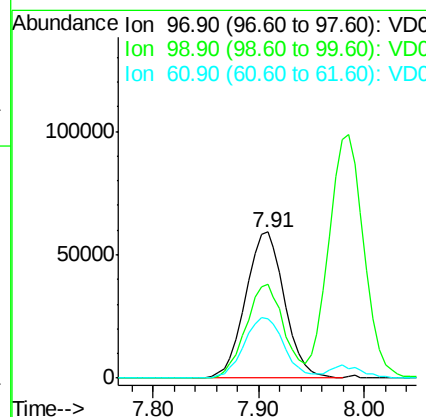
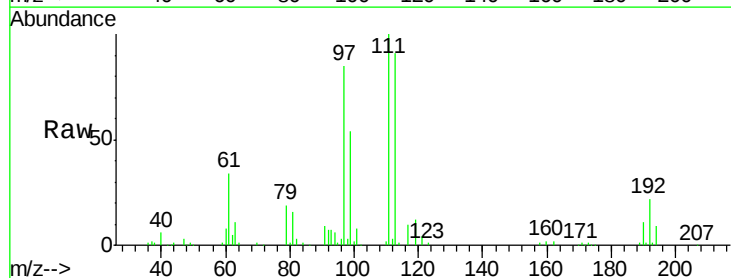
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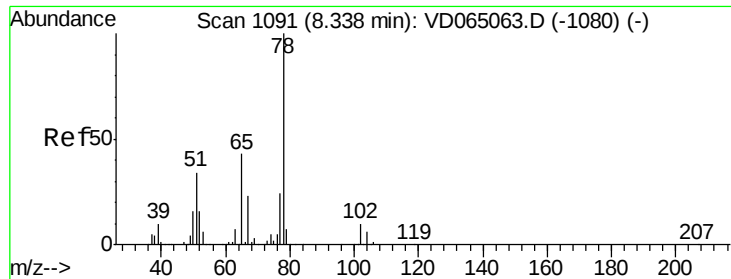
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 22.450 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.5	77.3
61	42.7	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 56.292 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBS01

Tot Ion: 65 Resp: 207932

Ion Ratio Lower Upper

65 100

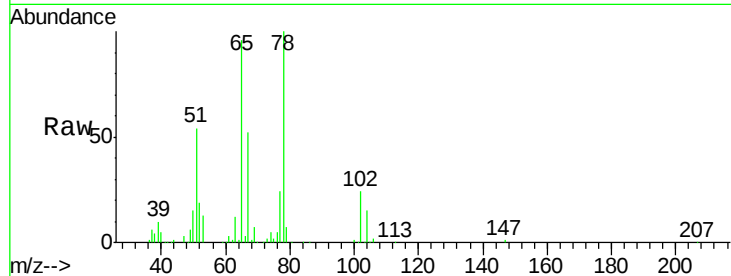
67 53.3 0.0 105.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VD065063.D (-1080) (-)

Ion 66.90 (66.60 to 67.60): VD065063.D (-1080) (-)

8.34

100000

80000

60000

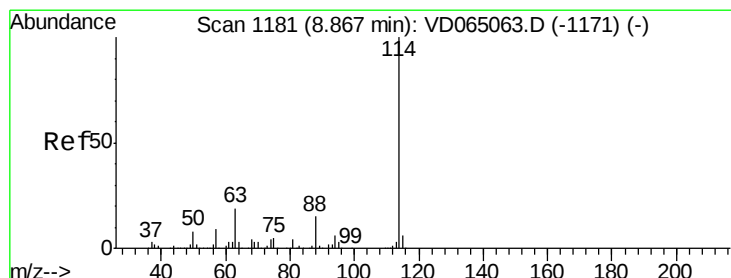
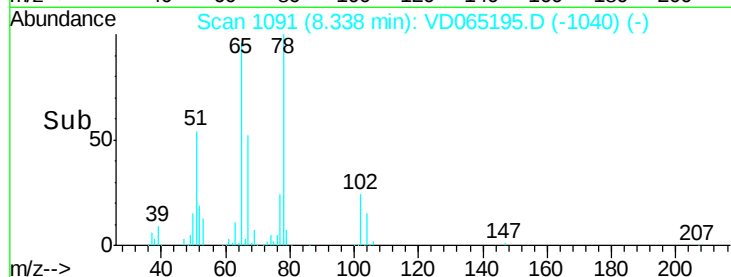
40000

20000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

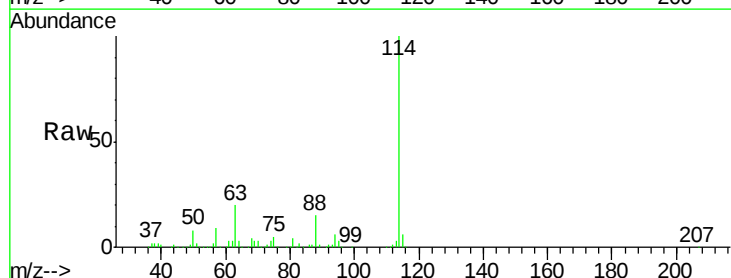
Tgt Ion: 114 Resp: 660471

Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.8

88 15.0 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): VD065063.D (-1171) (-)

Ion 63.00 (62.70 to 63.70): VD065063.D (-1171) (-)

Ion 87.90 (87.60 to 88.60): VD065063.D (-1171) (-)

8.87

400000

300000

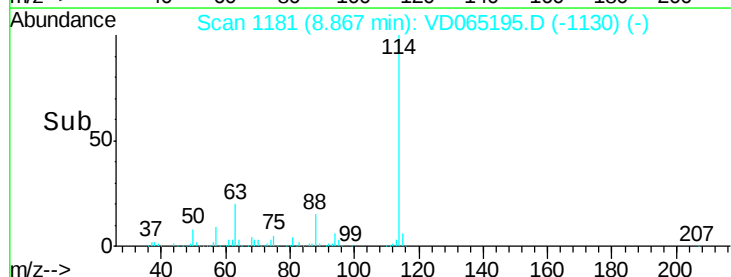
200000

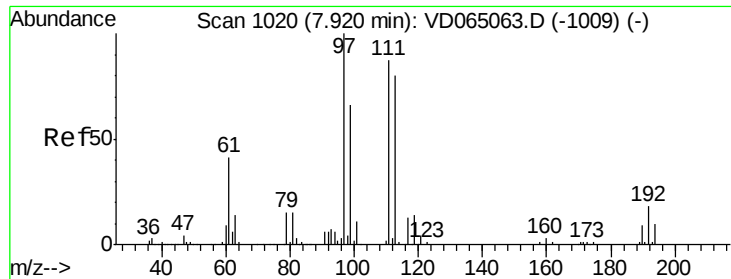
100000

0

8.80 8.90 9.00

Time-->





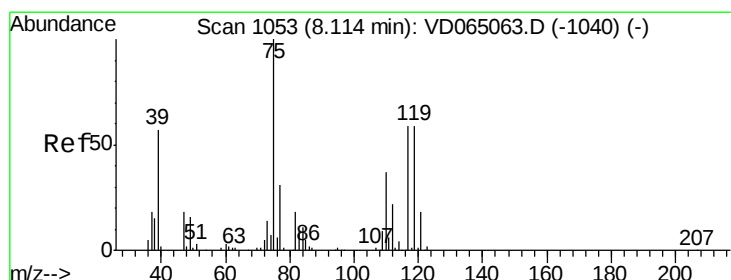
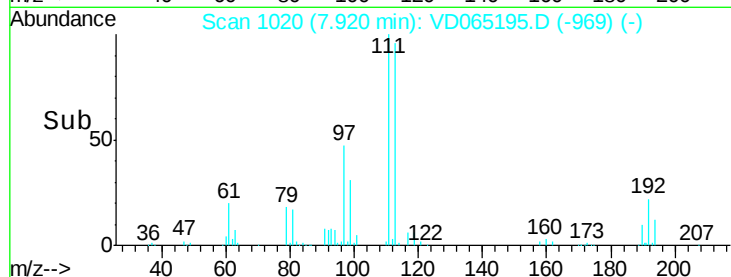
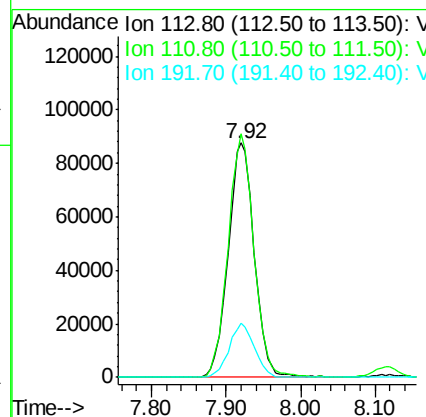
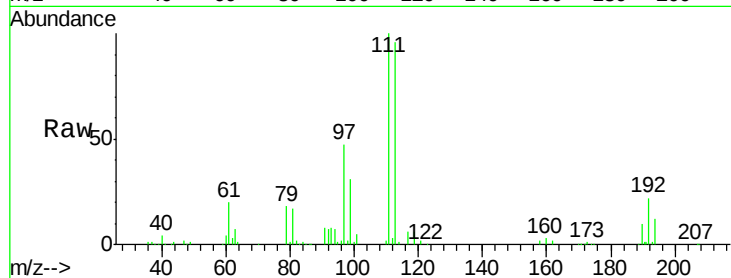
#35
 Dibromofluoromethane
 Concen: 57.701 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	212631		
111	102.7	83.1	124.7	
192	22.6	18.1	27.1	

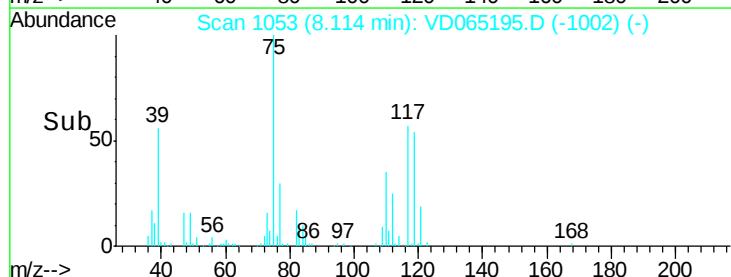
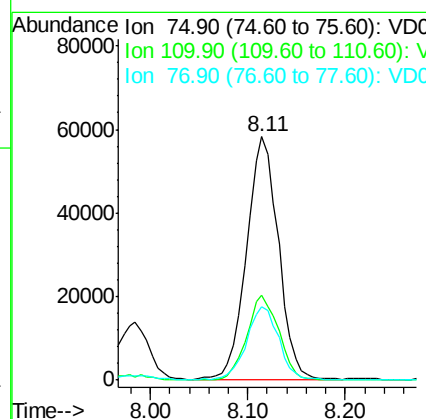
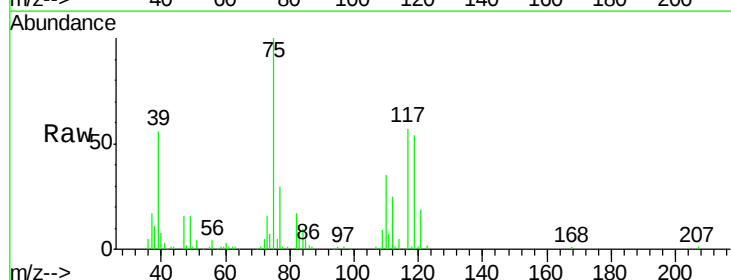
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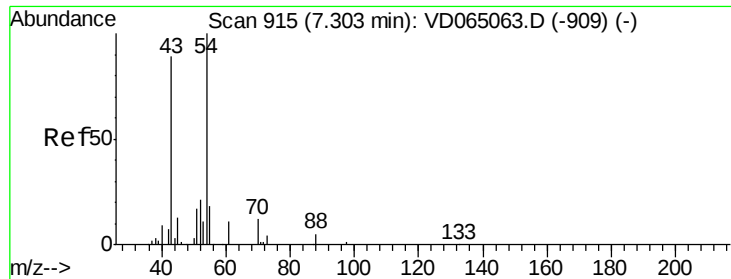
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#36
 1,1-Dichloropropene
 Concen: 21.637 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	132882		
110	34.7	18.1	54.3	
77	30.6	24.7	37.1	





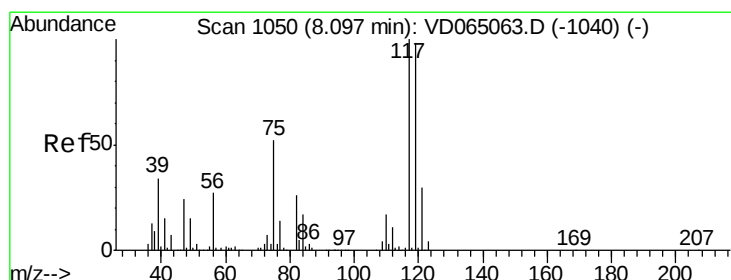
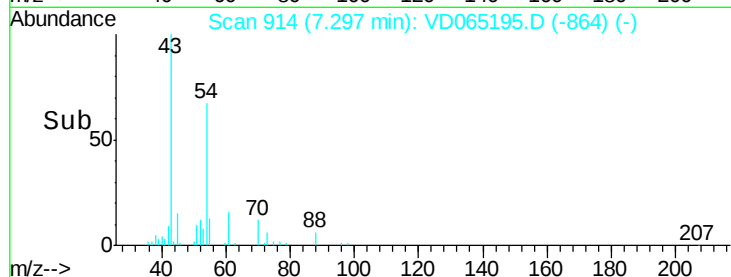
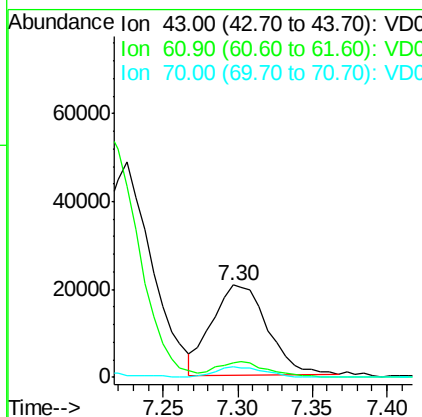
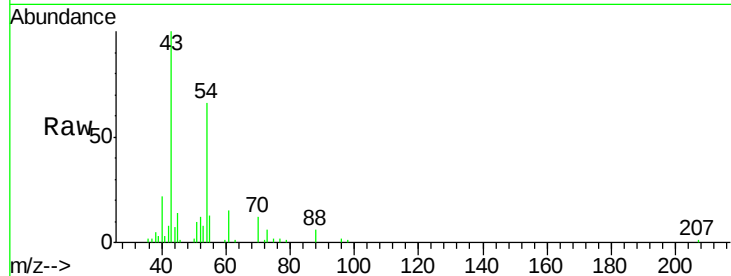
#37
Ethyl Acetate
Concen: 20.964 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	11.0	16.4
70	11.0	8.2	12.2

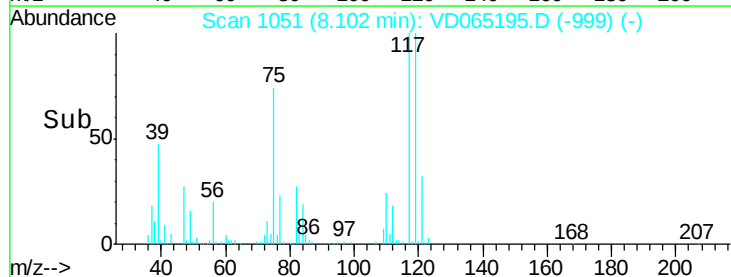
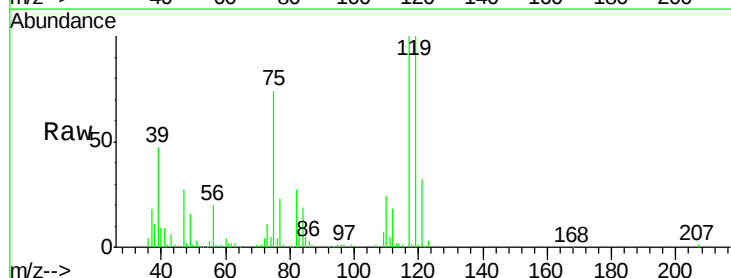
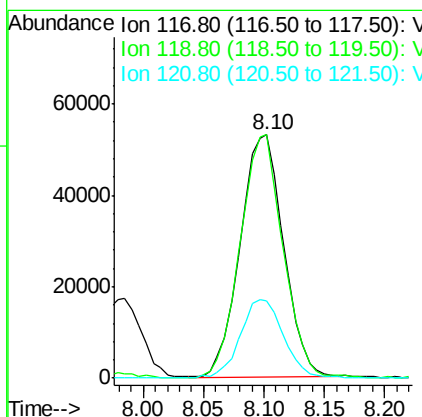
Manual Integrations
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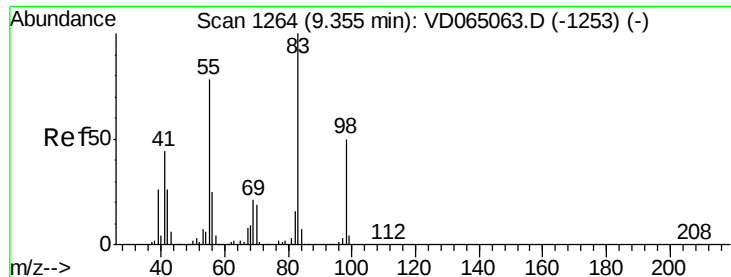
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#38
Carbon Tetrachloride
Concen: 21.118 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.6	78.5	117.7
121	31.7	23.8	35.6





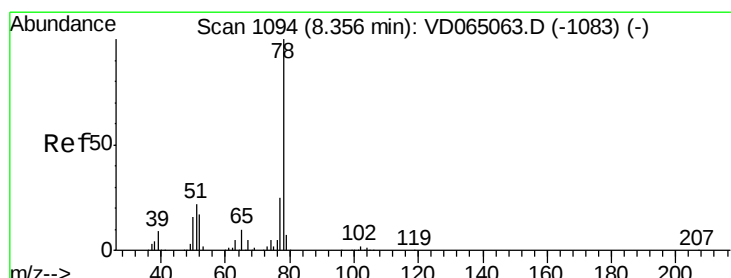
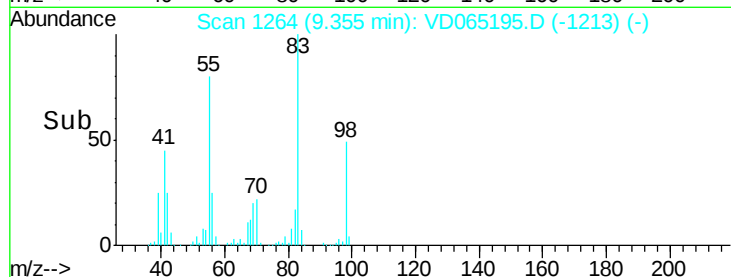
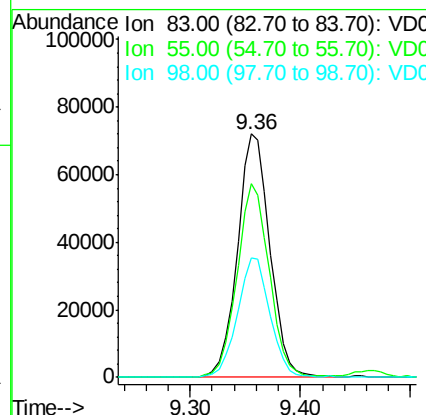
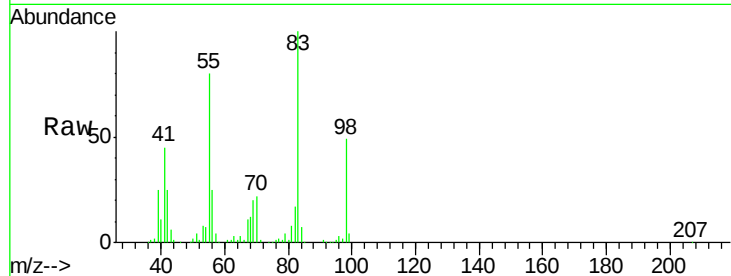
#39
Methylvlcvclohexane
Concen: 19.600 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.7	62.0	93.0
98	49.2	39.9	59.9

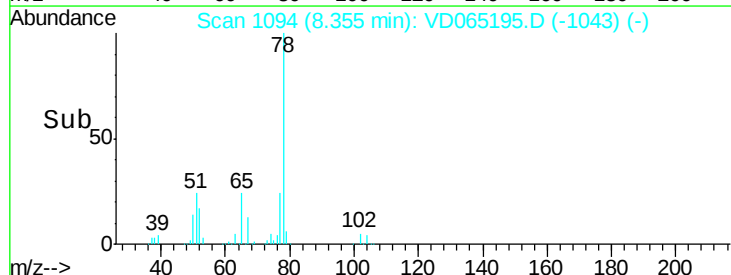
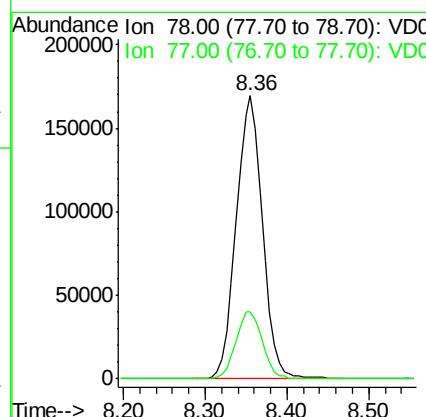
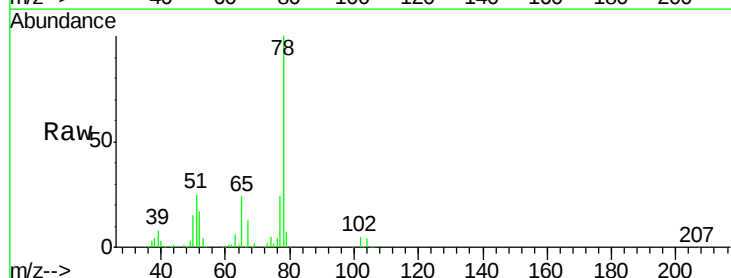
Manual Integrations
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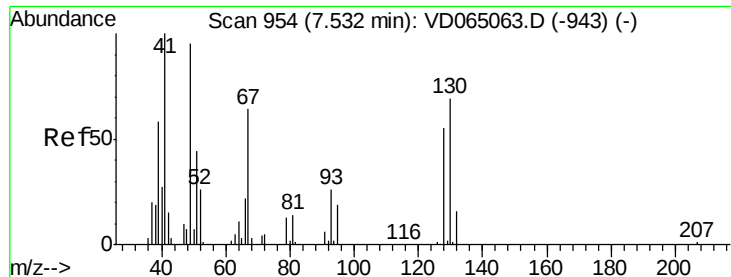
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#40
Benzene
Concen: 22.340 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.6	29.4





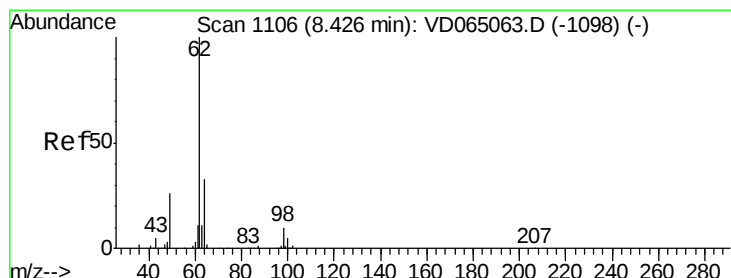
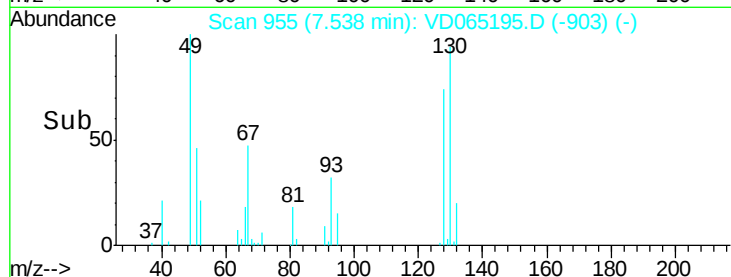
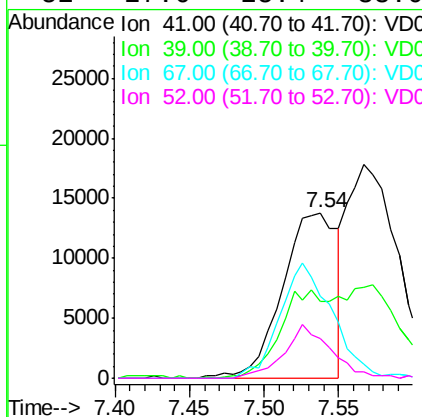
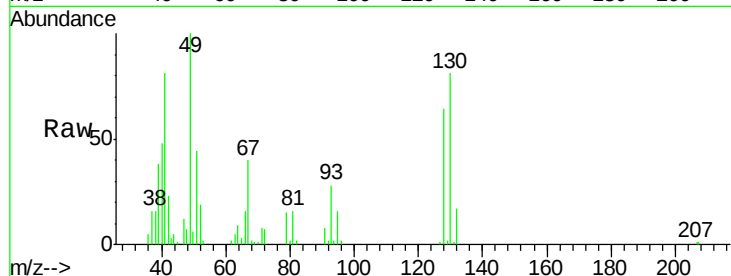
#41
Methacrylonitrile
Concen: 25.433 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	47.0	55.4	83.0#
67	67.6	59.0	88.6
52	27.6	25.4	38.0

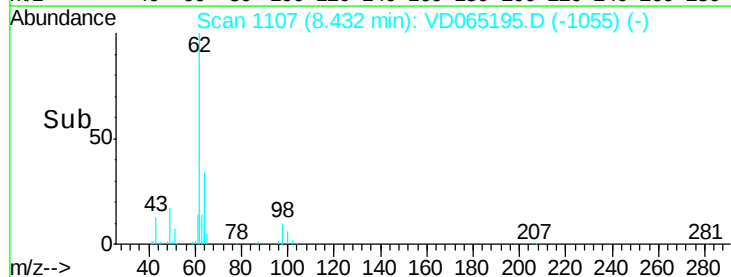
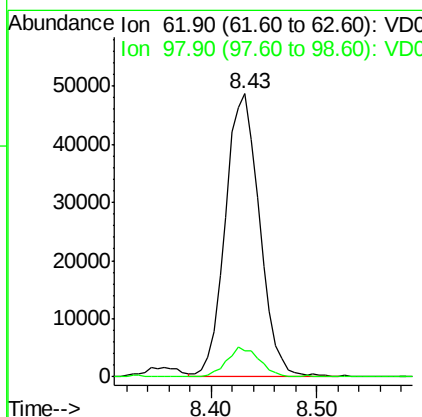
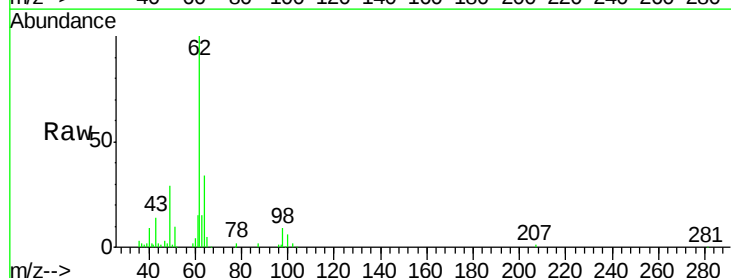
Manual Integrations
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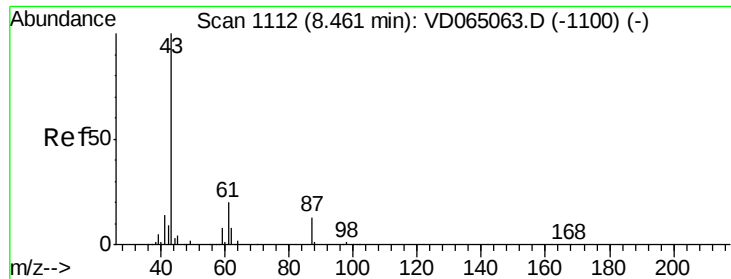
MMDadoda
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#42
1,2-Dichloroethane
Concen: 22.614 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	18.6





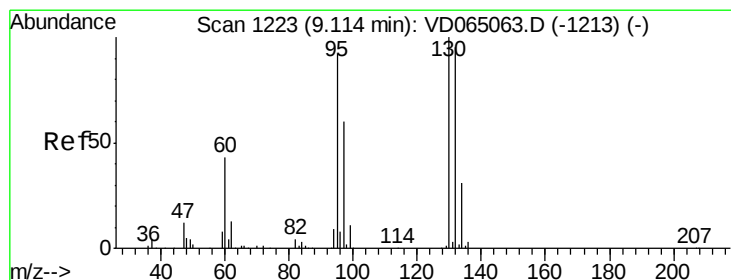
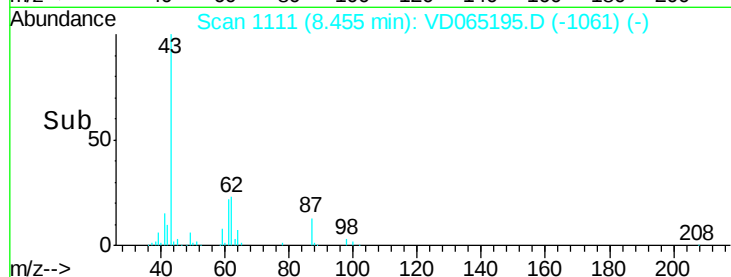
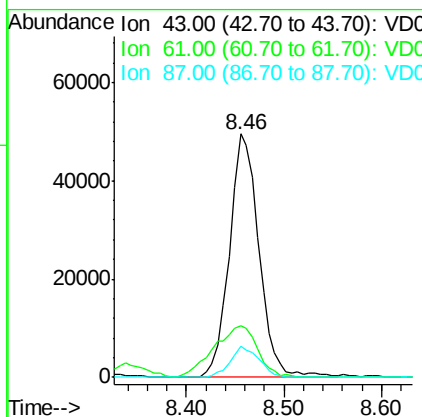
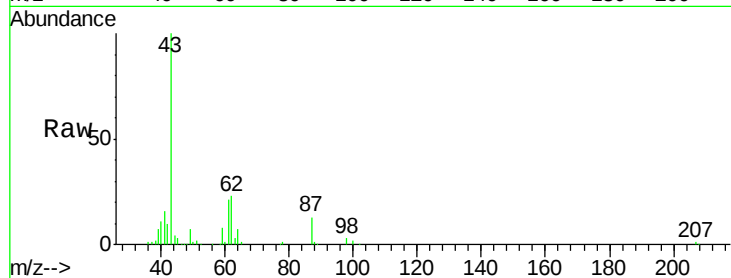
#43
Isopropyl Acetate
Concen: 21.792 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.2	24.0	36.0
87	12.2	10.2	15.4

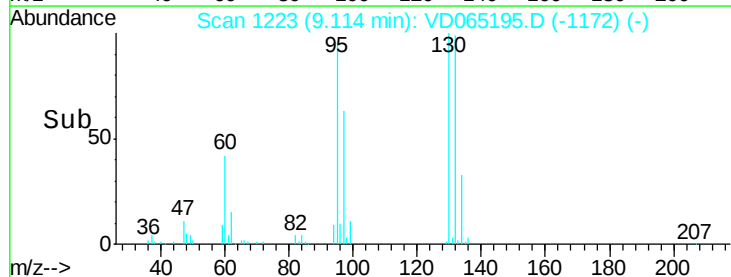
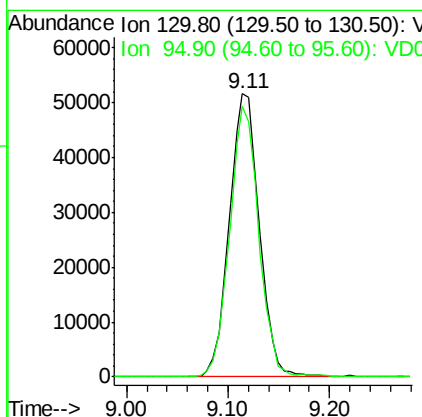
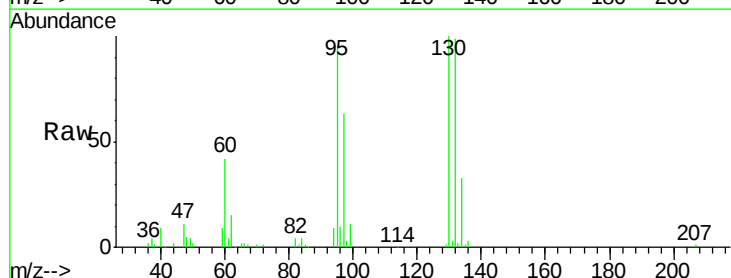
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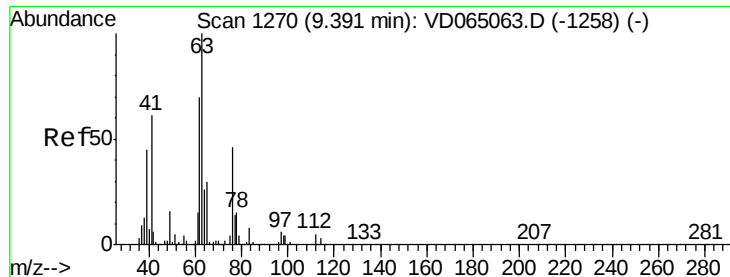
MMDadoda
2/18/2020 10:58:20 AM



#44
Trichloroethene
Concen: 21.712 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	185.0





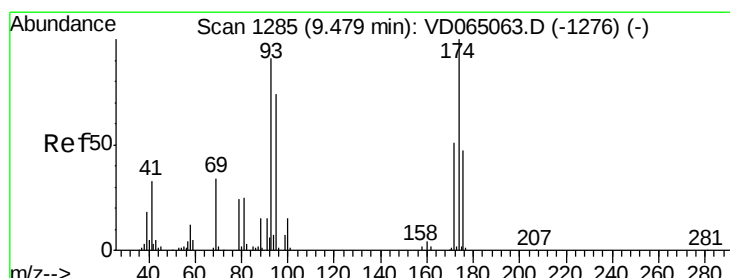
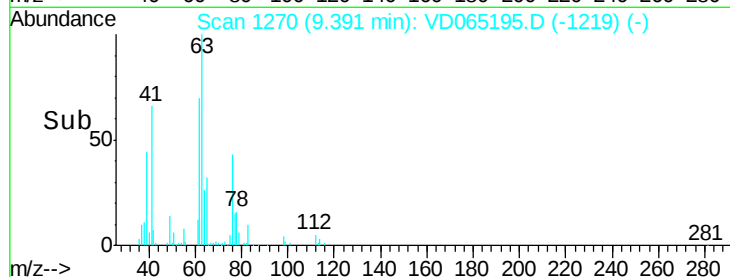
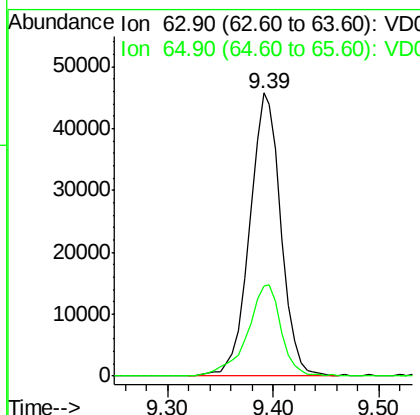
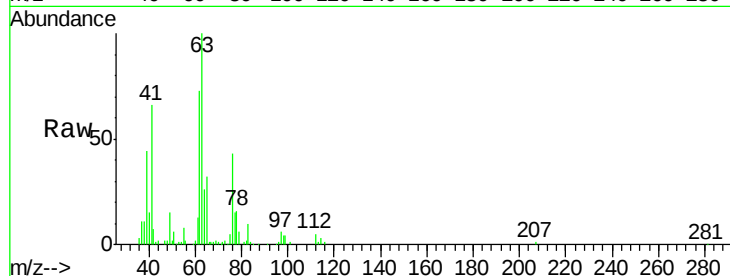
#45
 1,2-Dichloropropane
 Concen: 23.108 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	23.9	35.9

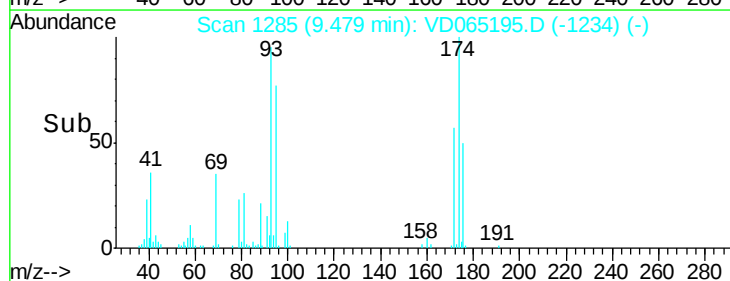
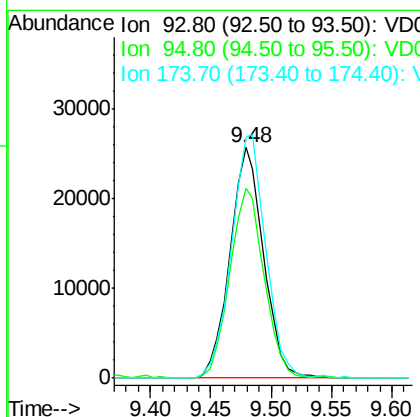
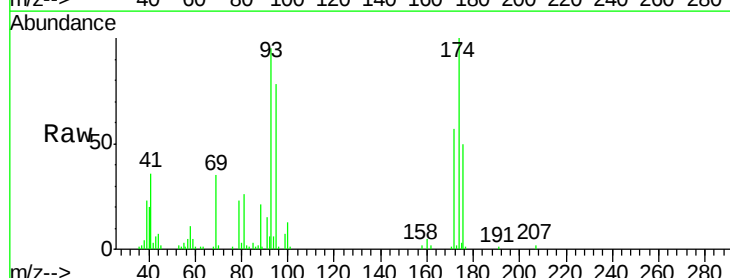
Manual Integrations
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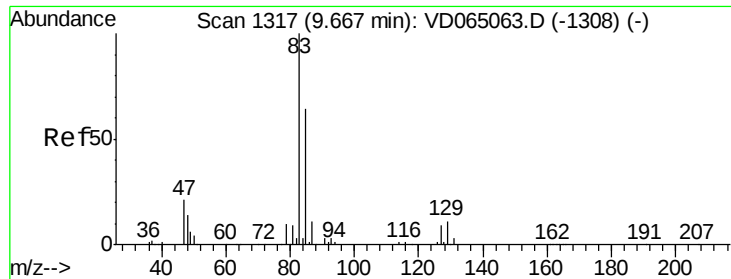
MMDadoda
 2/18/2020 10:58:20 AM



#46
 Dibromomethane
 Concen: 23.261 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.0	66.5	99.7
174	107.5	89.8	134.8





#47

Bromodichloromethane

Concen: 23.519 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

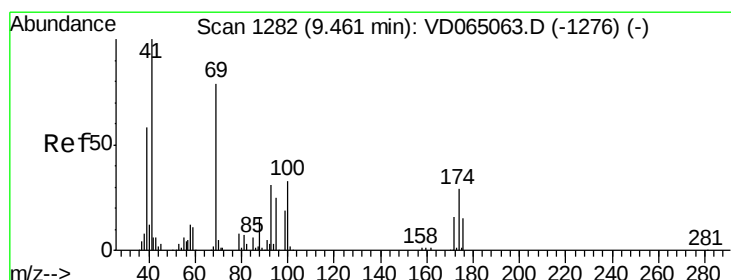
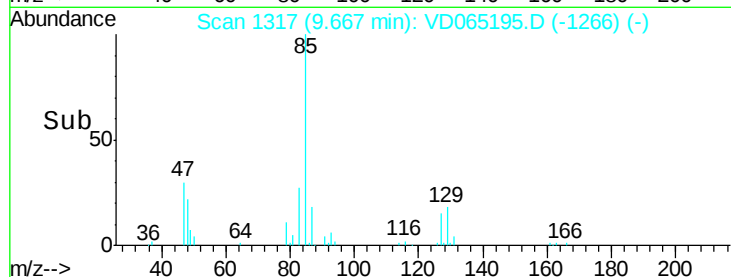
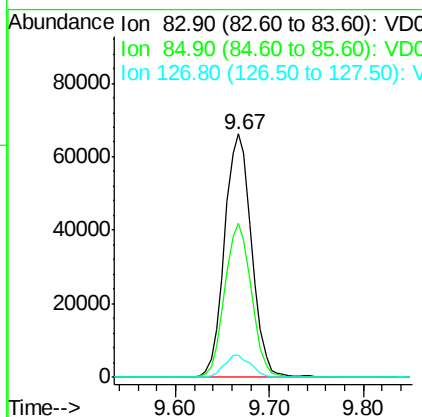
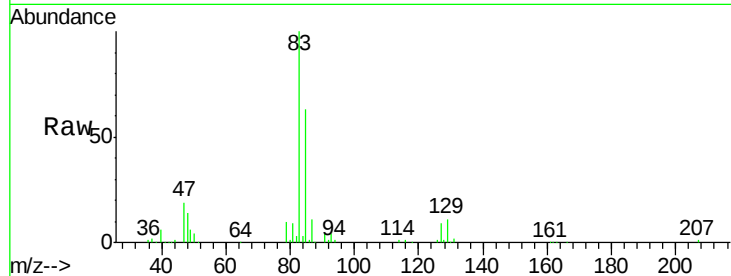
ClientSampleId :

VD0217SBS01

Tot Ion:	83	Resp:	132410
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.0	76.6
127	9.1	7.3	10.9

Manual Integrations
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MMDadoda
2/18/2020 10:58:20 AM



#48

Methyl methacrylate

Concen: 20.893 ug/l

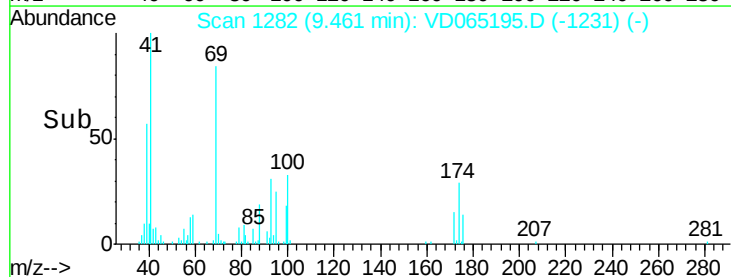
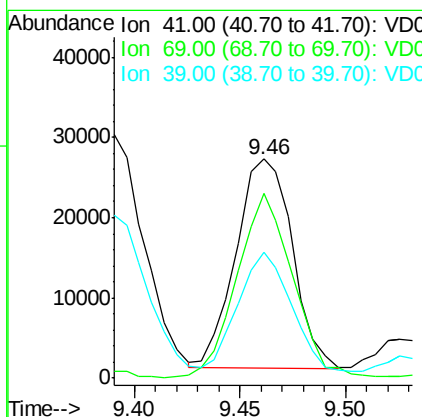
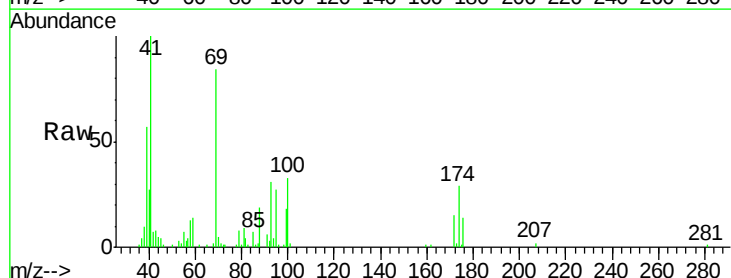
RT: 9.46 min Scan# 1282

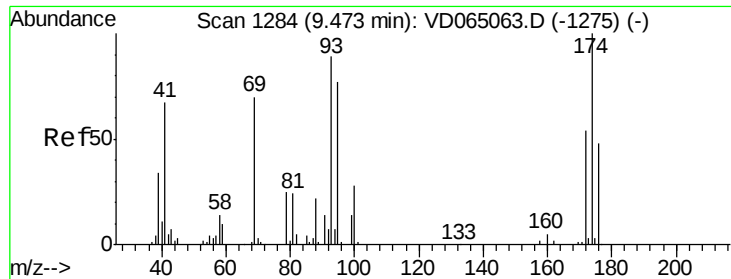
Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Tgt Ion:	41	Resp:	48253
Ion	Ratio	Lower	Upper
41	100		
69	88.8	67.5	101.3
39	59.2	47.0	70.4





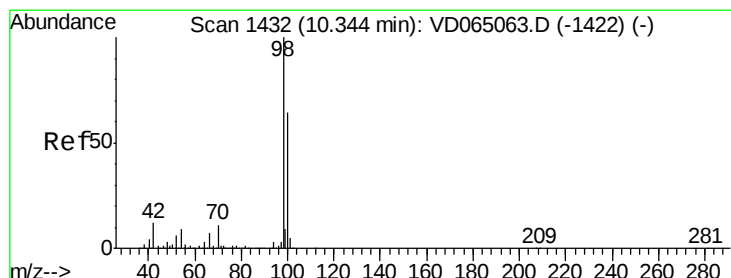
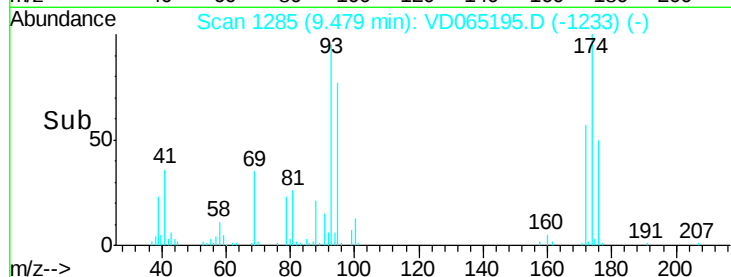
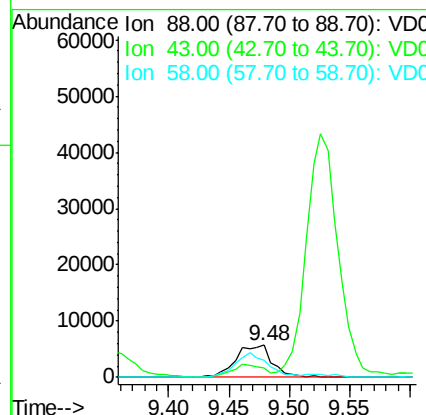
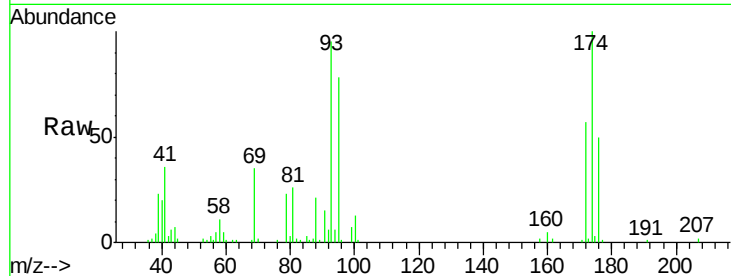
#49
1,4-Dioxane
Concen: 480.769 ug/l
RT: 9.48 min Scan# 1285
Delta R.T. 0.01 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	12167		
43	35.5		27.7	41.5
58	68.8		55.5	83.3

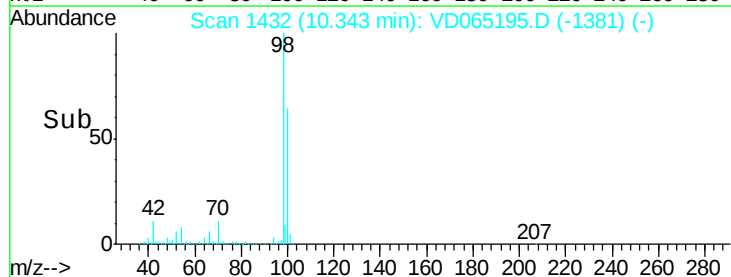
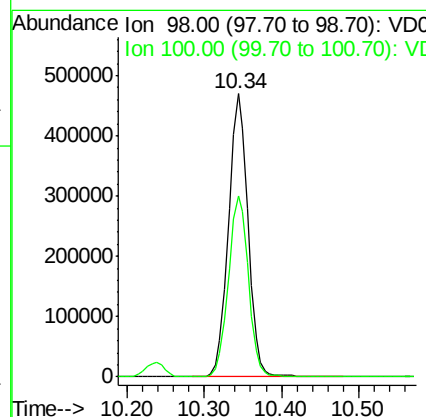
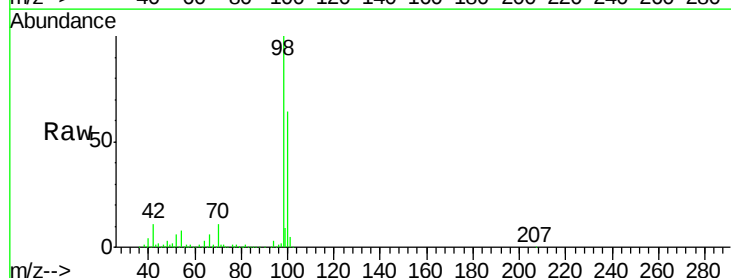
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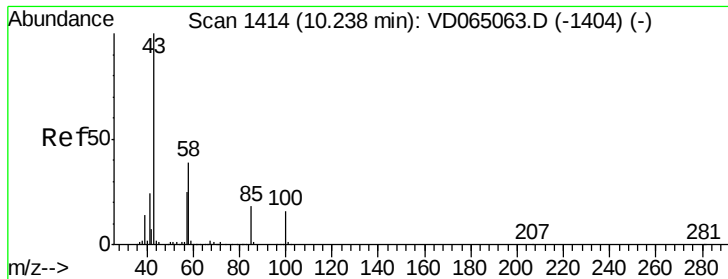
MMDadoda
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#50
Toluene-d8
Concen: 56.587 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	829986		
100	65.4		52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 112.516 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBS01

Tot Ion: 43 Resp: 265807

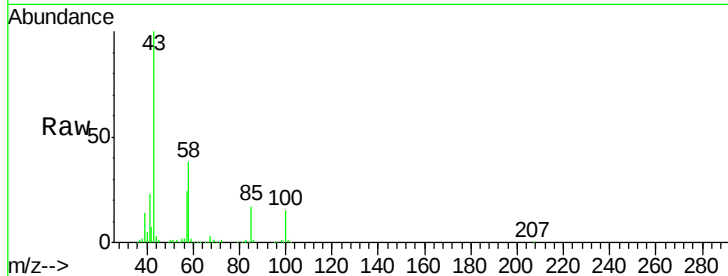
Ion Ratio Lower Upper

43 100

58 38.9 30.2 45.2

Manual Integrations
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MMDadoda
2/18/2020 10:58:20 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

150000

100000

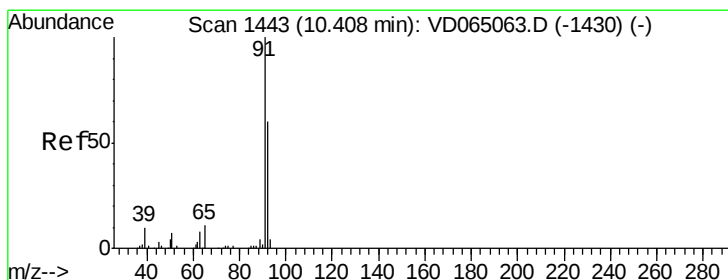
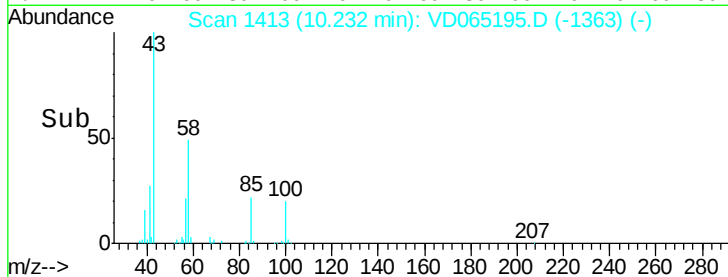
50000

0

10.20

10.30

Time-->



#52

Toluene

Concen: 22.641 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065195.D

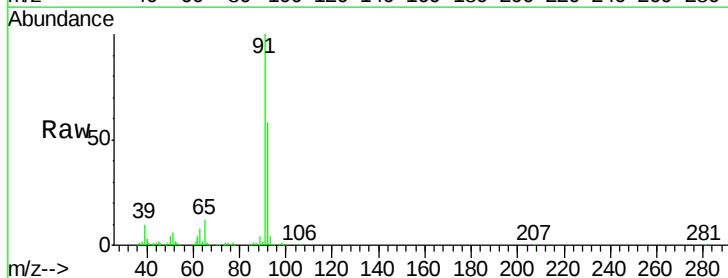
Acq: 17 Feb 2020 14:33

Tgt Ion: 92 Resp: 245064

Ion Ratio Lower Upper

92 100

91 171.8 135.3 202.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

250000

200000

150000

100000

50000

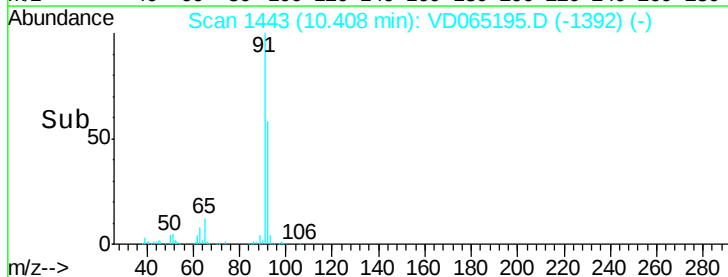
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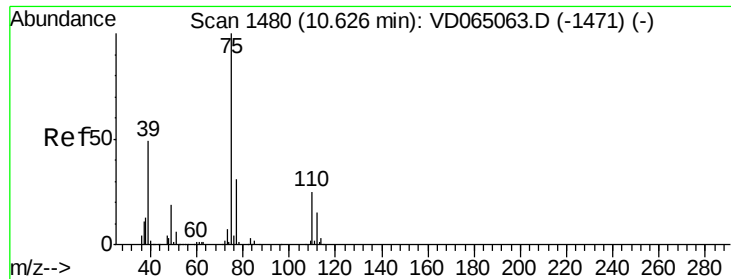
10.30

10.40

10.50

Time-->





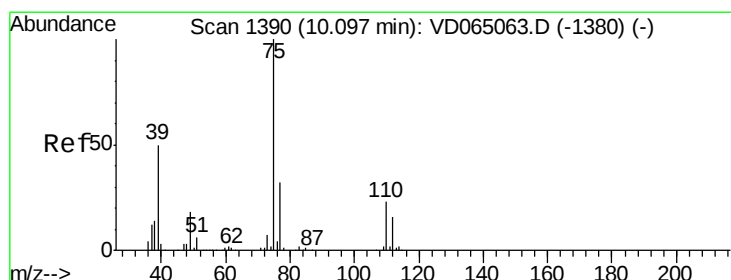
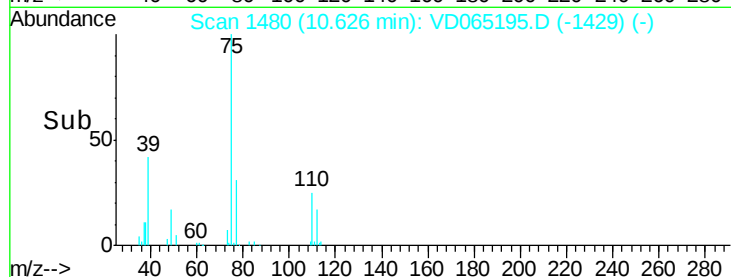
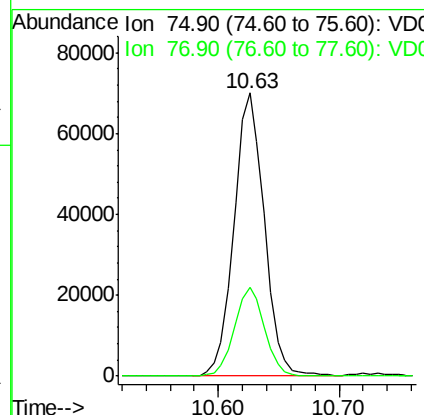
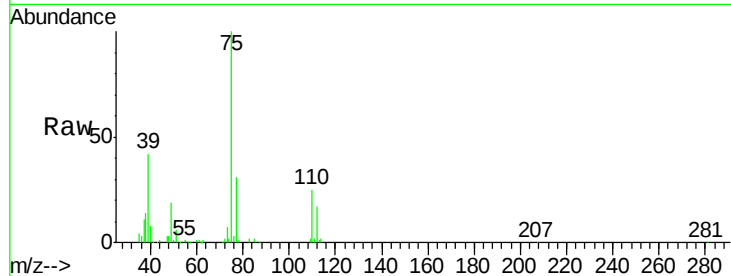
#53
 t-1,3-Dichloropropene
 Concen: 22.375 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBS01

Tot Ion: 75 Resp: 122646
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.9 37.3

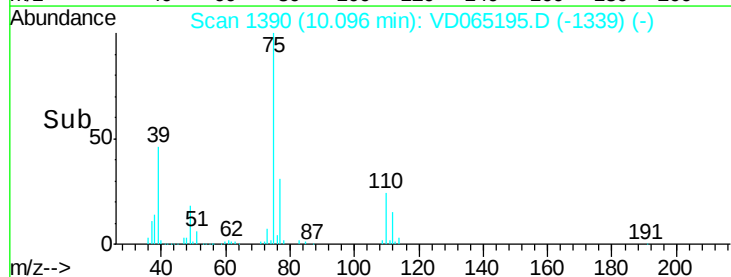
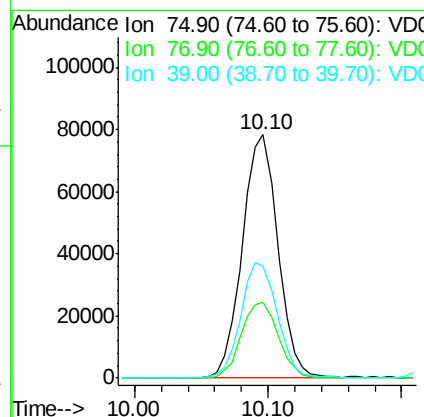
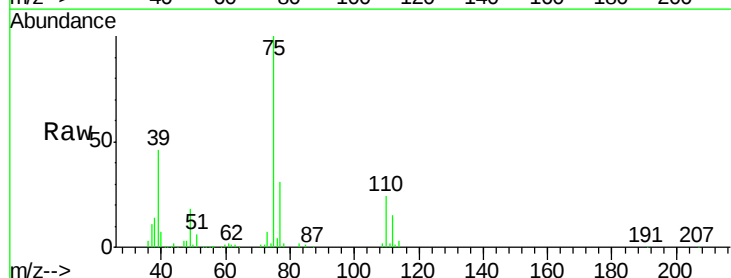
Manual Integrations
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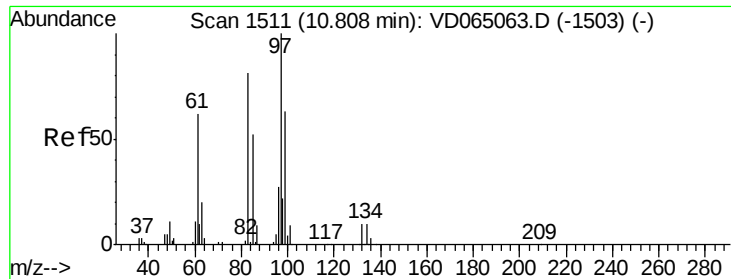
MMDadoda
 2/18/2020 10:58:20 AM



#54
 cis-1,3-Dichloropropene
 Concen: 22.033 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Tgt Ion: 75 Resp: 144446
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.3 37.9
 39 46.1 40.3 60.5





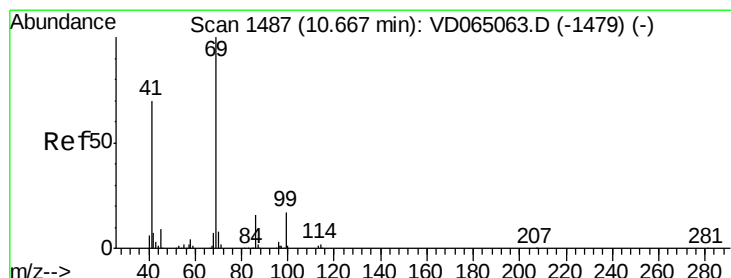
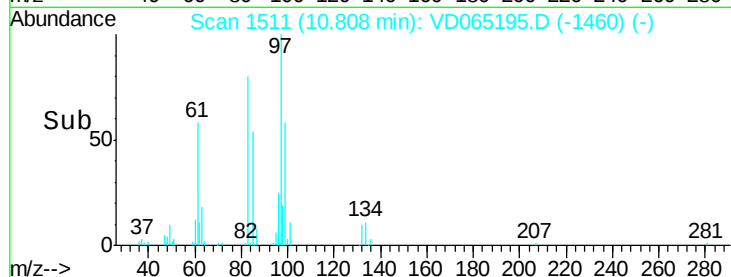
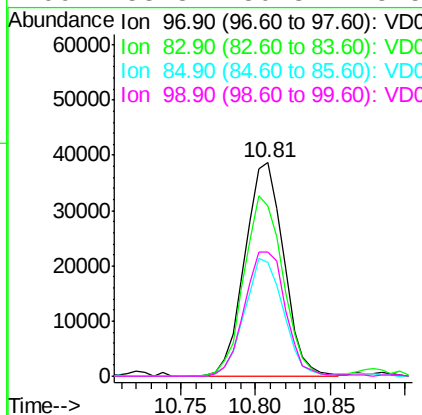
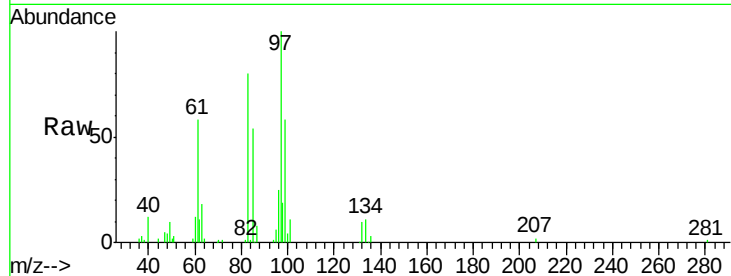
#55
 1,1,2-Trichloroethane
 Concen: 23.843 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		69878		
83	79.6	64.8	97.2		
85	53.5	41.2	61.8		
99	58.3	50.3	75.5		

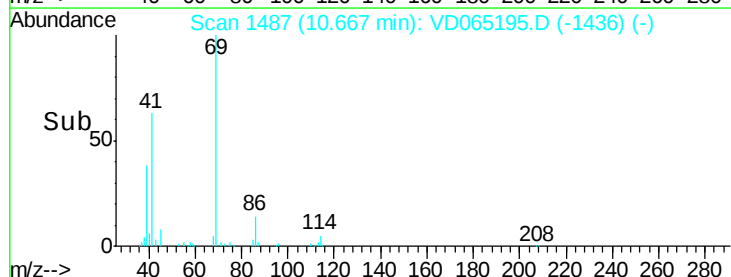
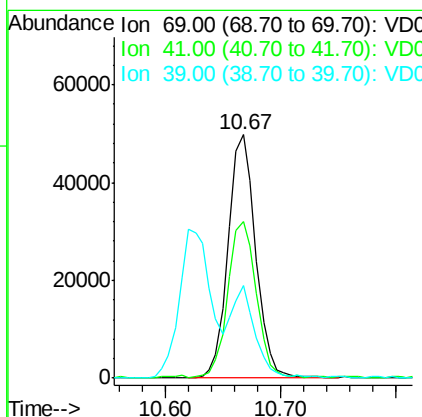
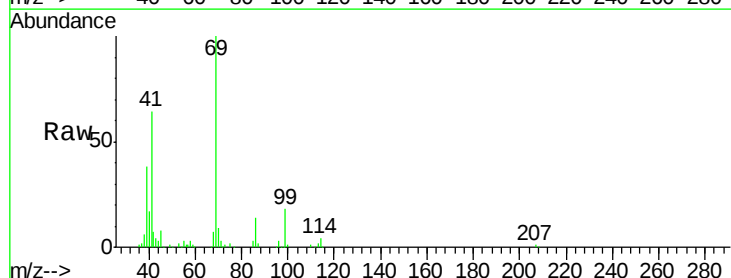
Manual Integrations
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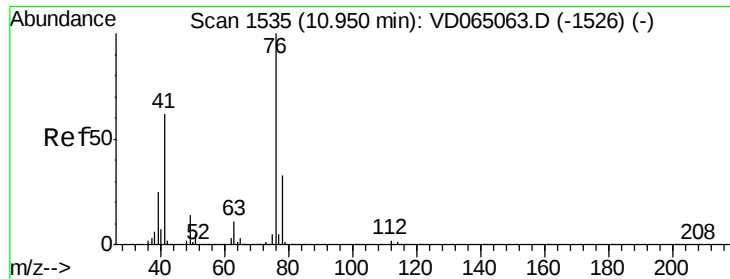
MMDadoda
 2/18/2020 10:58:20 AM



#56
 Ethyl methacrylate
 Concen: 22.275 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		82599		
41	65.6	55.9	83.9		
39	33.5	29.4	44.0		





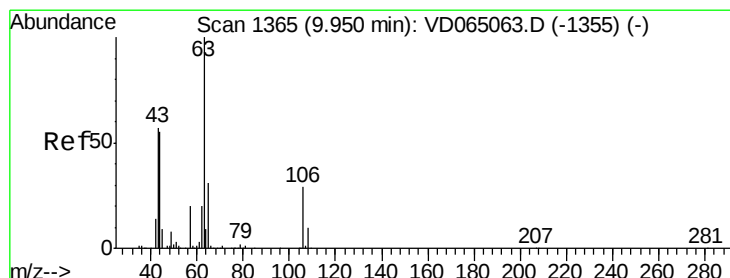
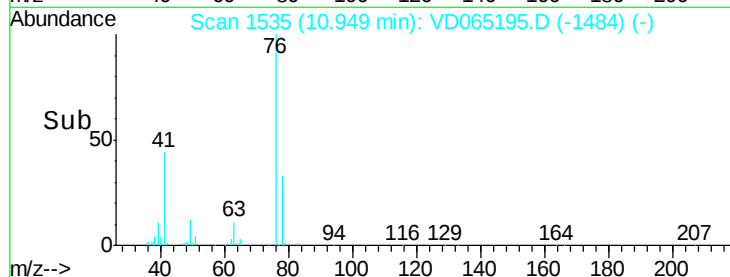
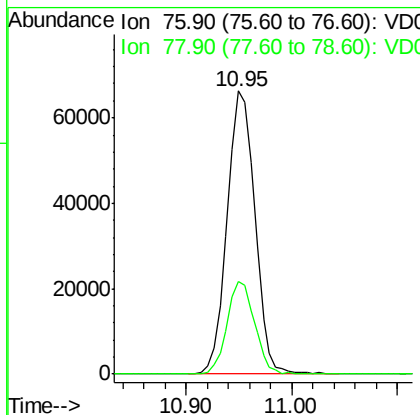
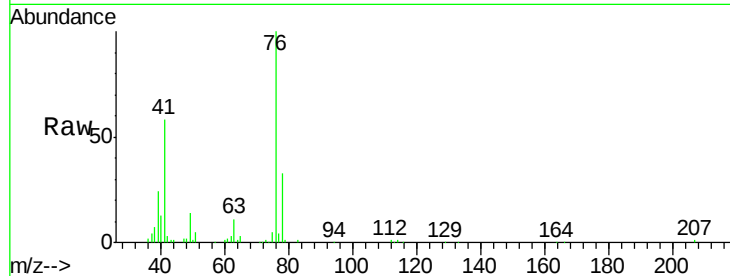
#57
 1,3-Dichloropropane
 Concen: 23.396 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.6

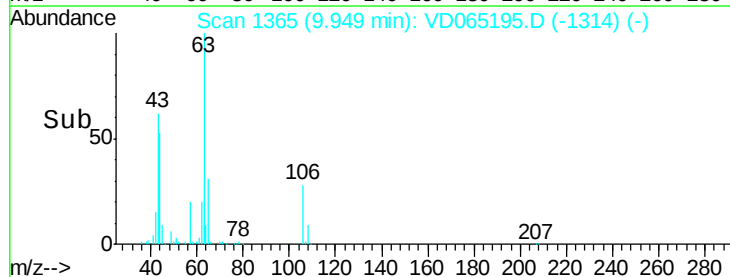
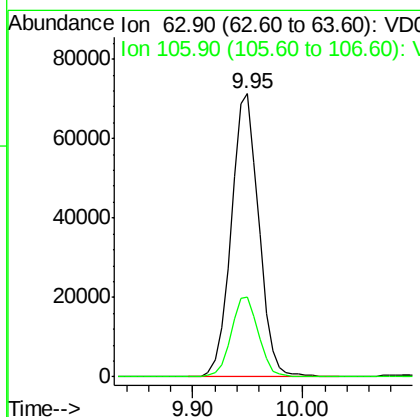
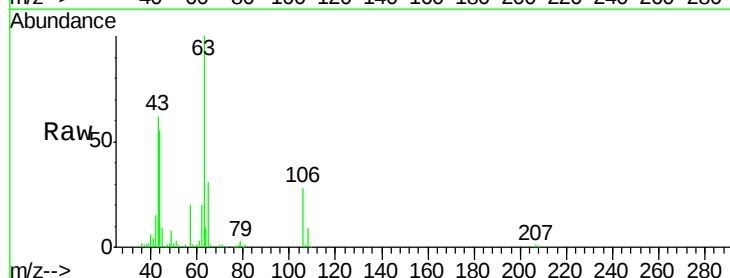
Manual Integrations
 APPROVED

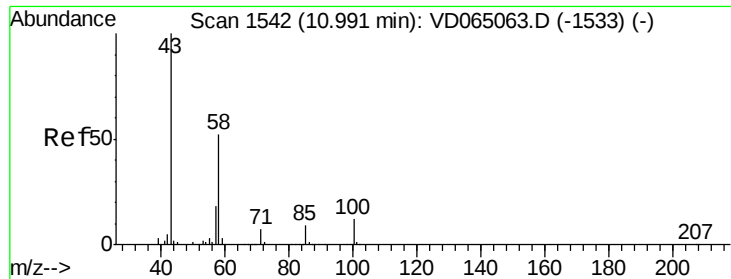
MMDadoda
 2/18/2020 10:58:20 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.464 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.1	23.3	34.9





#59

2-Hexanone

Concen: 110.723 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBS01

Tot Ion: 43 Resp: 185276

Ion Ratio Lower Upper

43 100

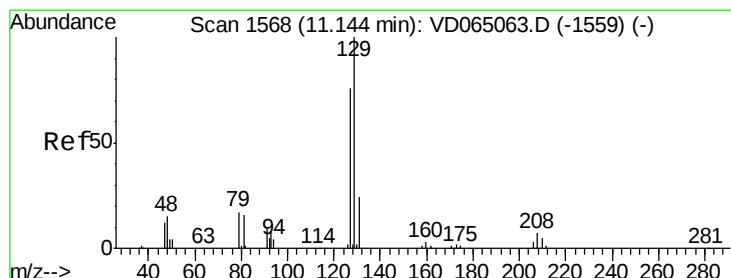
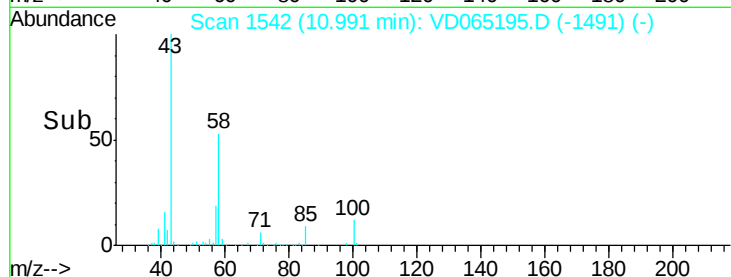
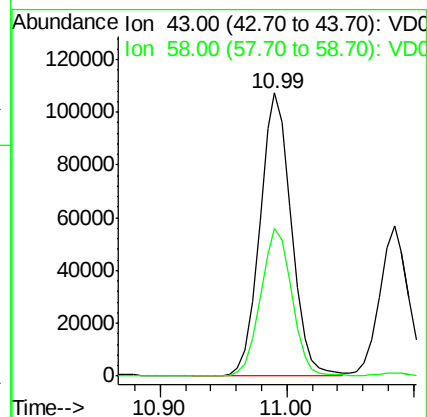
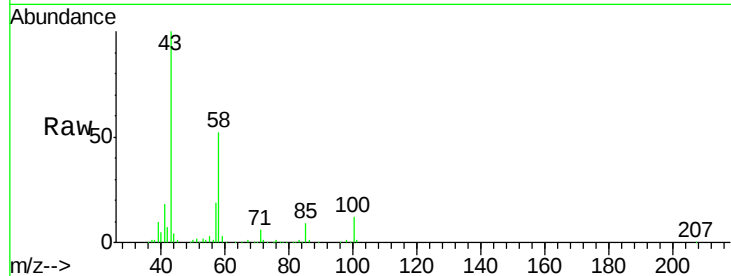
58 52.0 26.2 78.6

Manual Integrations

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#60

Dibromochloromethane

Concen: 23.886 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VD065195.D

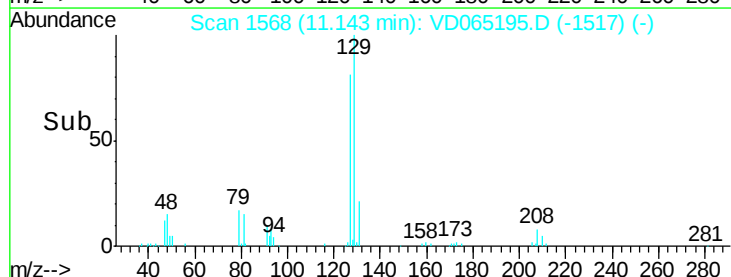
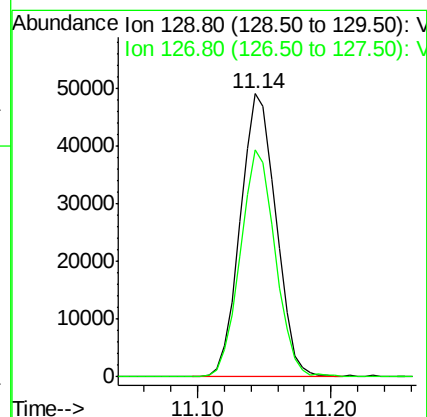
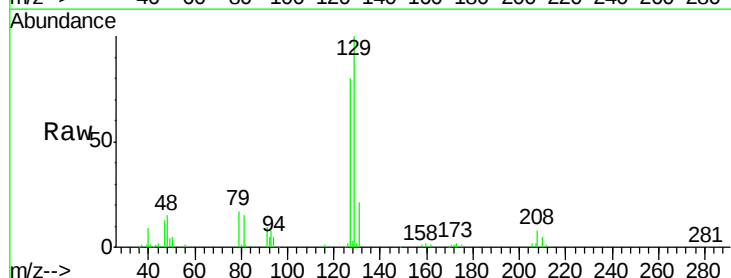
Acq: 17 Feb 2020 14:33

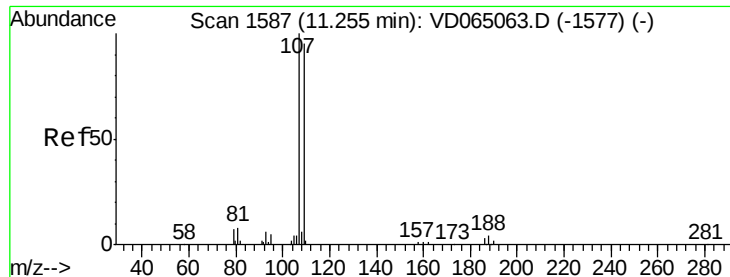
Tgt Ion: 129 Resp: 90672

Ion Ratio Lower Upper

129 100

127 78.6 38.3 114.9





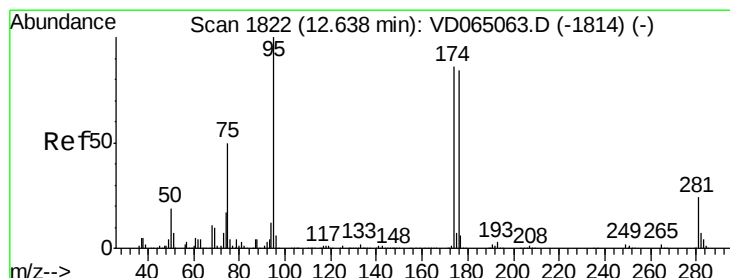
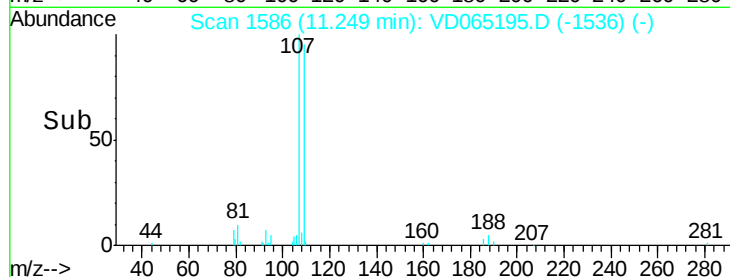
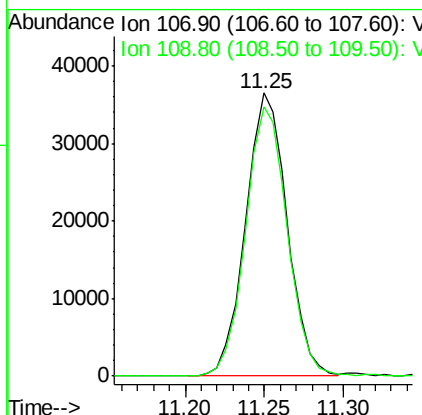
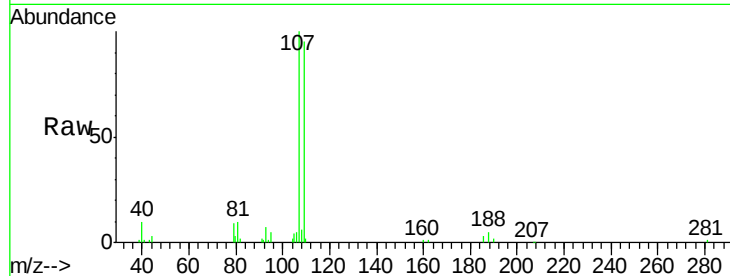
#61
 1,2-Dibromoethane
 Concen: 23.188 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBS01

Tot Ion: 107 Resp: 66402
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.5 113.3

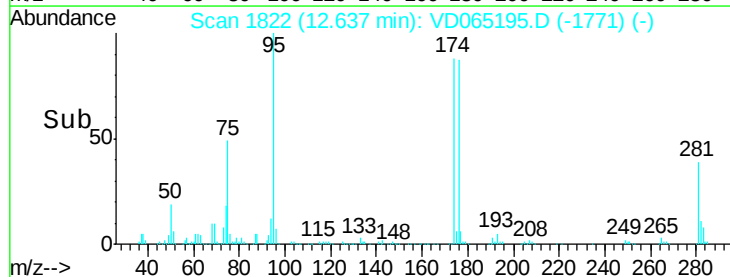
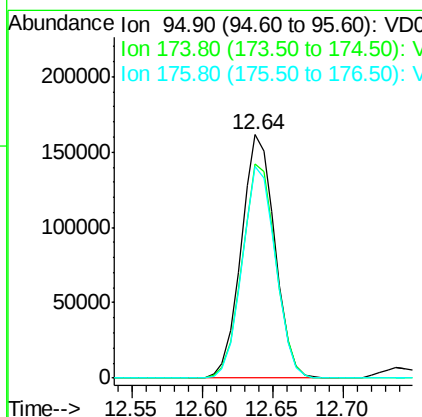
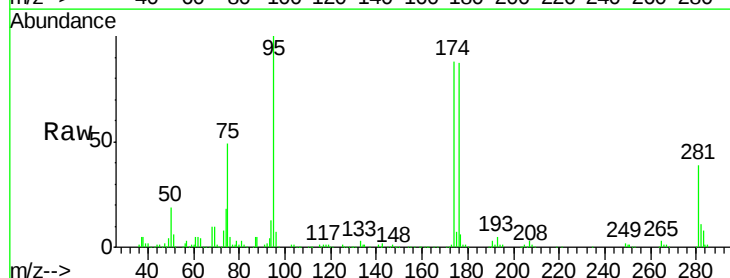
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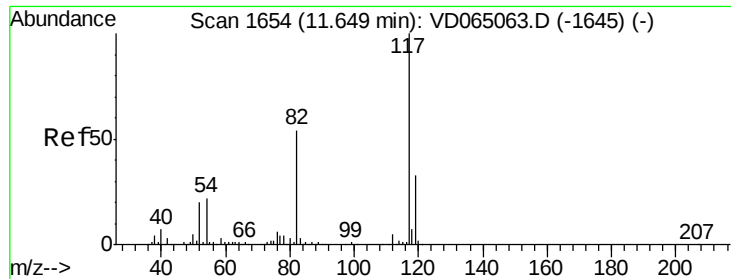
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#62
 4-Bromofluorobenzene
 Concen: 57.926 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Tgt Ion: 95 Resp: 269214
 Ion Ratio Lower Upper
 95 100
 174 88.2 0.0 180.0
 176 86.4 0.0 173.2





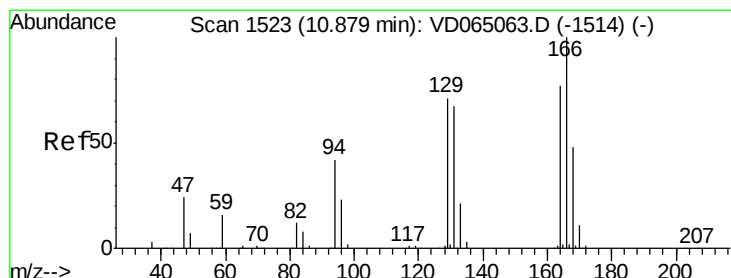
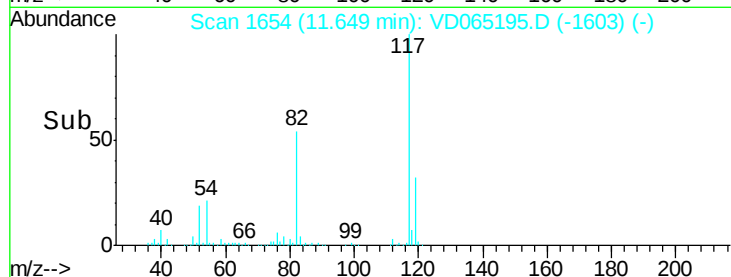
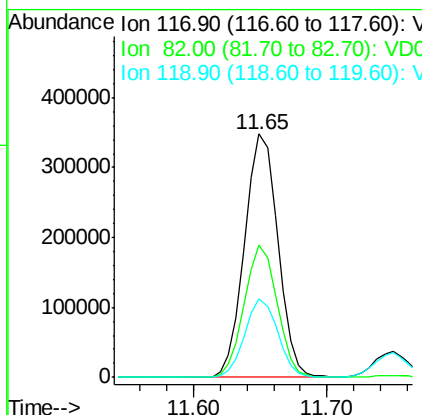
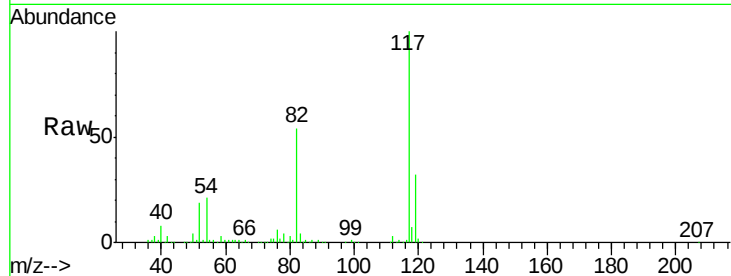
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	601832		
82	54.3		43.1	64.7
119	32.1		26.0	39.0

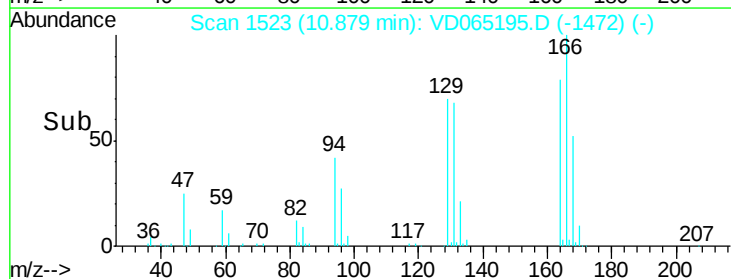
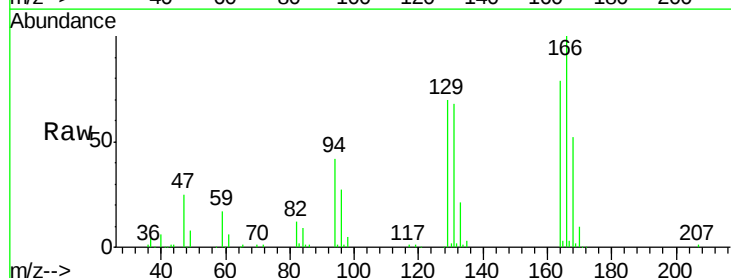
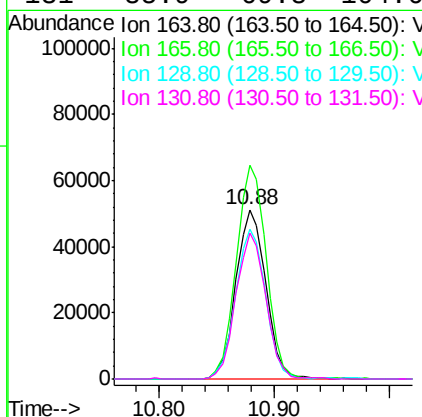
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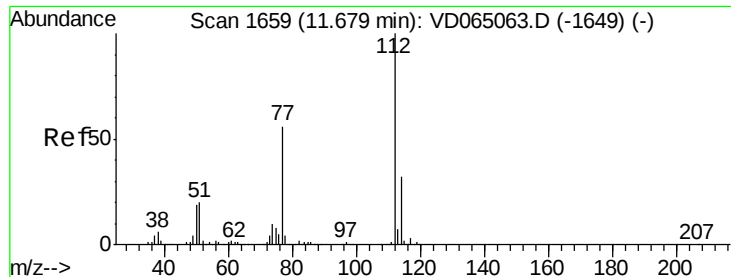
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#64
Tetrachloroethene
Concen: 21.317 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	92186		
166	126.2		103.5	155.3
129	88.2		73.3	109.9
131	85.9		69.8	104.6





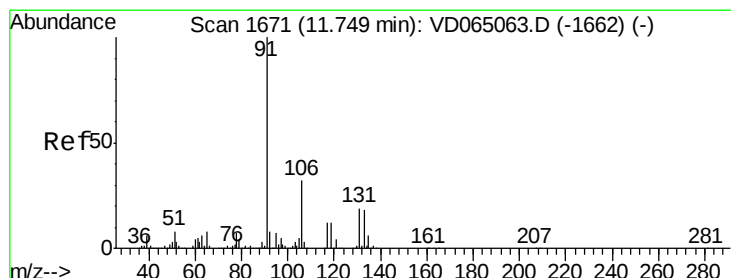
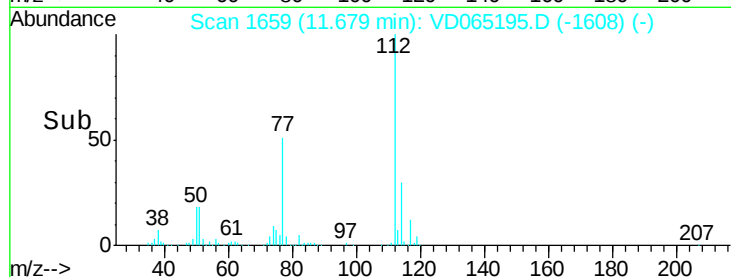
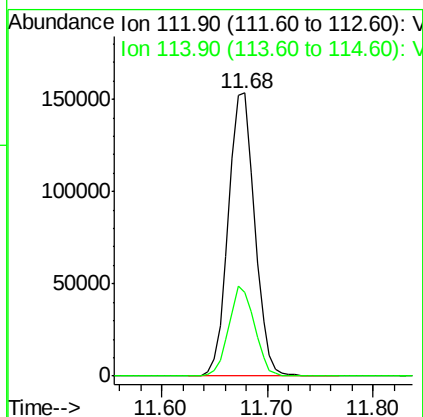
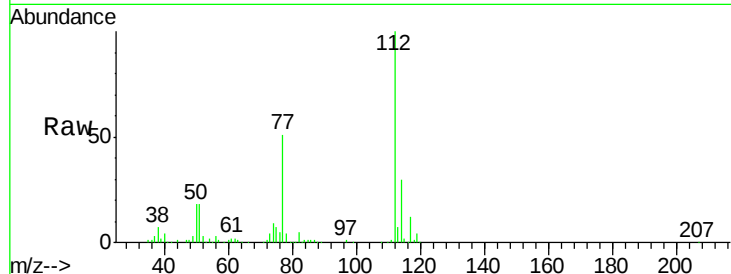
#65
Chlorobenzene
Concen: 22.730 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS001

Tot Ion	Ratio	Lower	Upper
112	100		
114	29.6	25.4	38.0

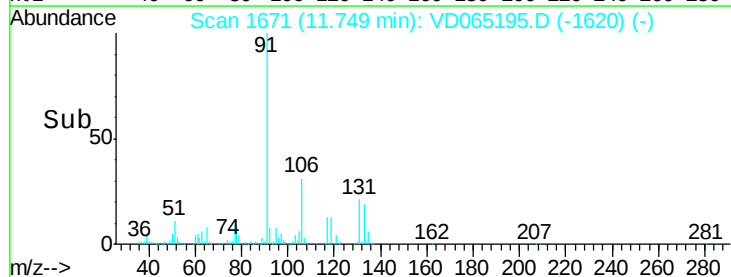
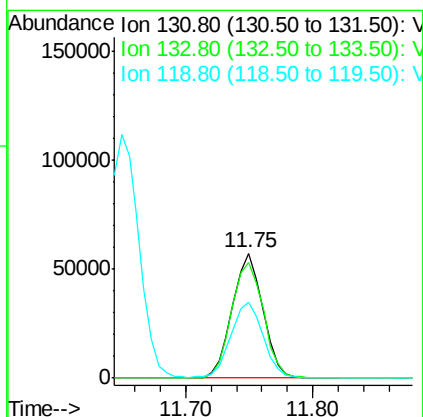
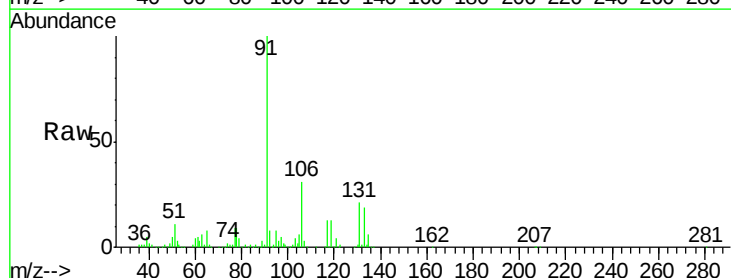
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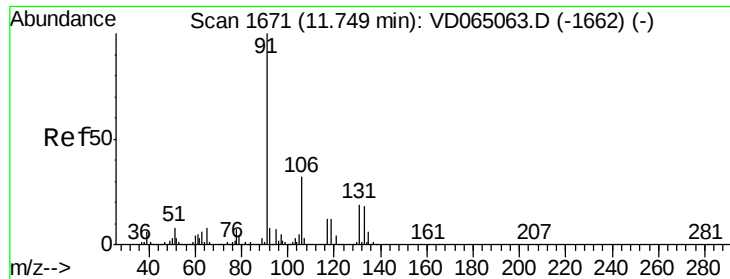
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.445 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	47.7	143.1
119	64.1	31.3	93.8





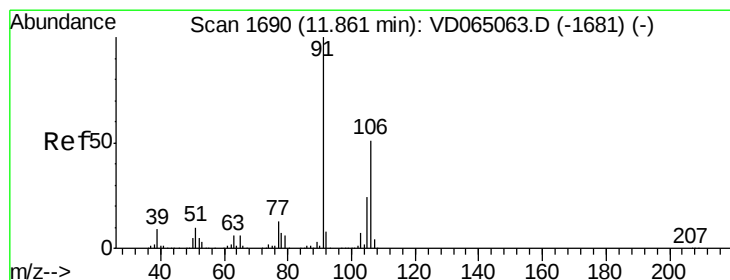
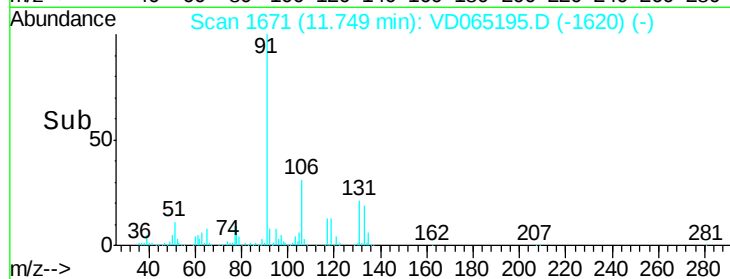
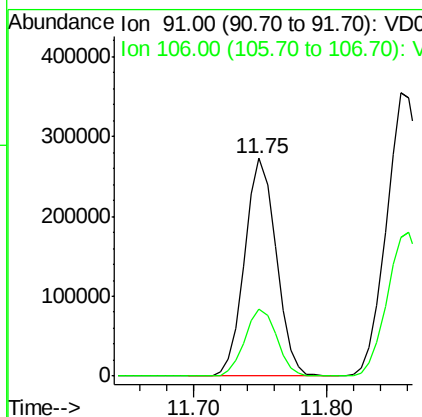
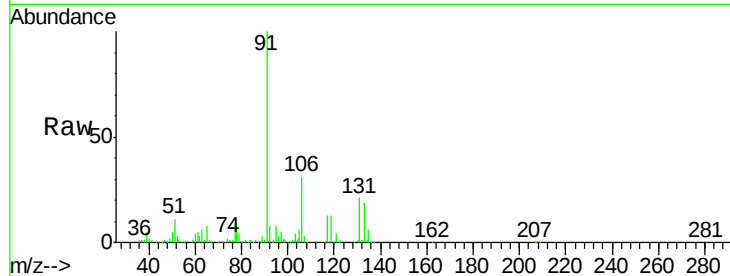
#67
Ethyl Benzene
Concen: 21.095 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion: 91 Resp: 446128
Ion Ratio Lower Upper
91 100
106 30.8 25.4 38.2

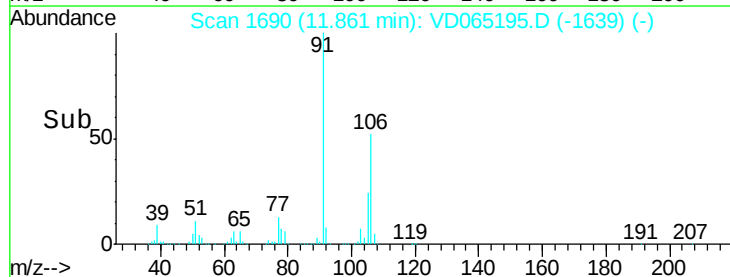
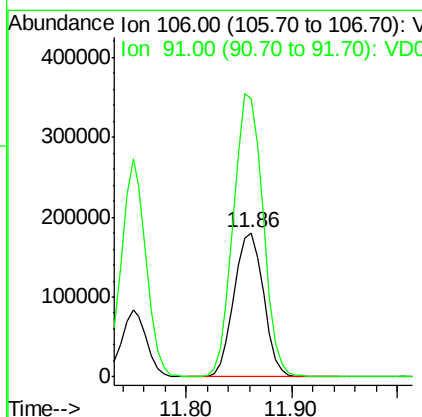
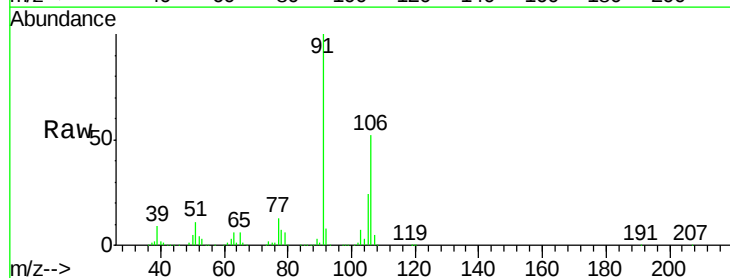
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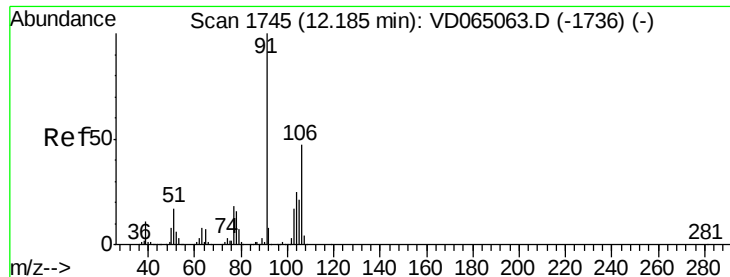
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#68
m/p-Xylenes
Concen: 43.337 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion: 106 Resp: 349801
Ion Ratio Lower Upper
106 100
91 197.7 158.9 238.3





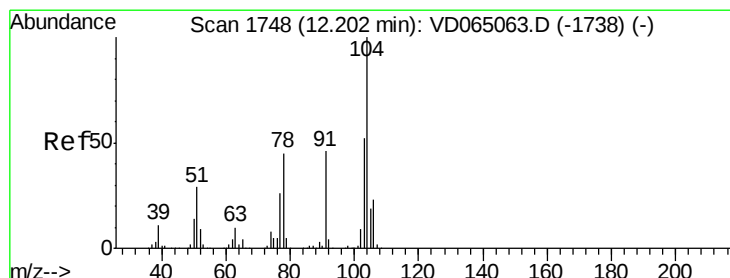
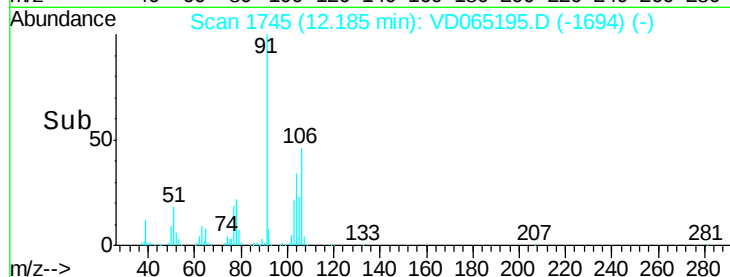
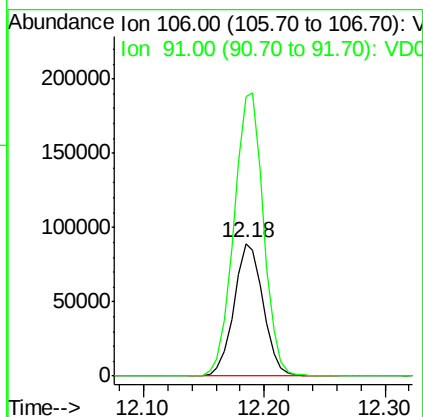
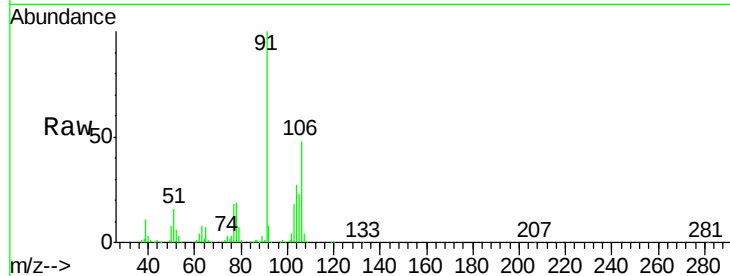
#69
o-Xylene
Concen: 20.693 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion:106 Resp: 150409
Ion Ratio Lower Upper
106 100
91 215.9 104.7 313.9

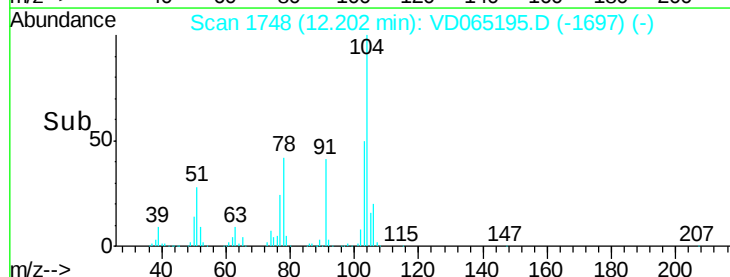
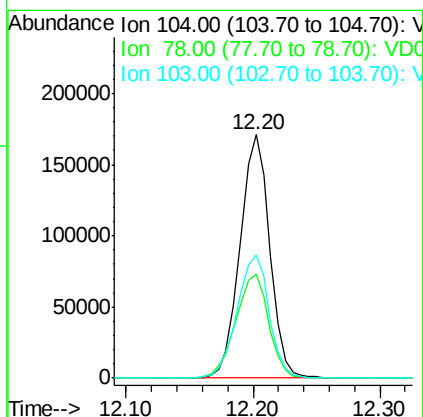
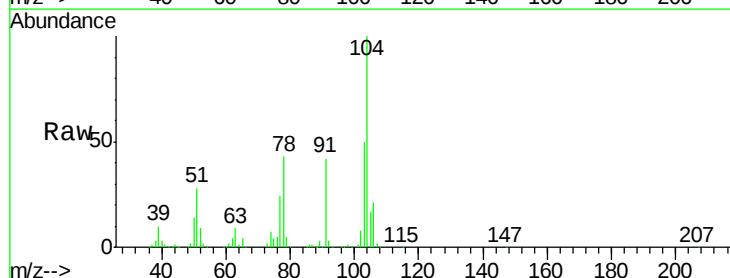
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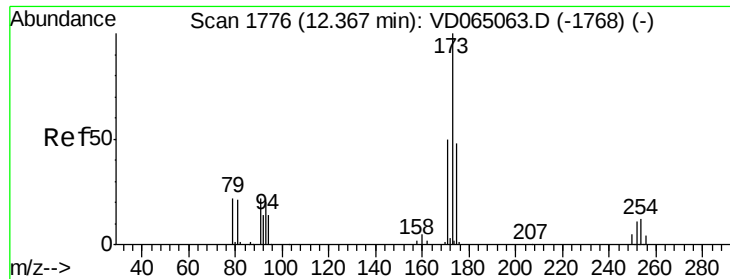
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#70
Styrene
Concen: 21.997 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion:104 Resp: 277898
Ion Ratio Lower Upper
104 100
78 47.4 38.5 57.7
103 54.6 43.8 65.8





#71

Bromoform

Concen: 22.601 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

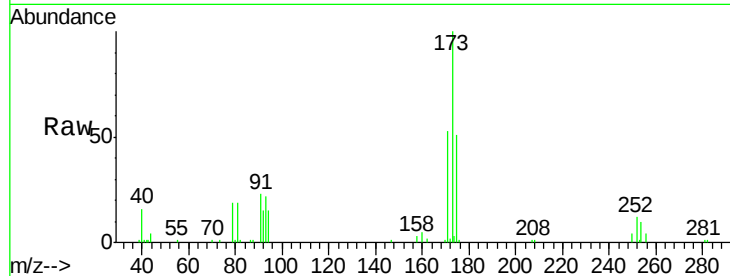
ClientSampleId :

VD0217SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.3	72.8
254	0.0	0.1	0.1#

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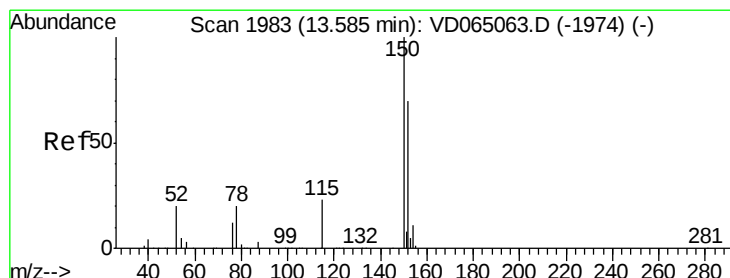
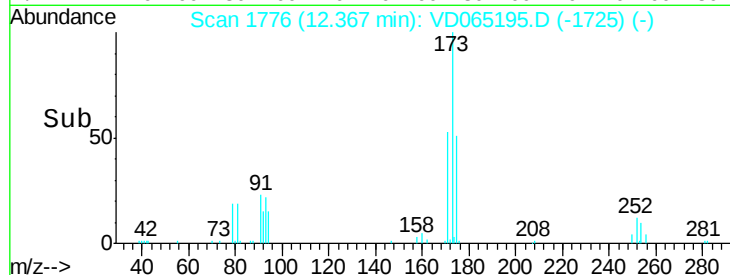
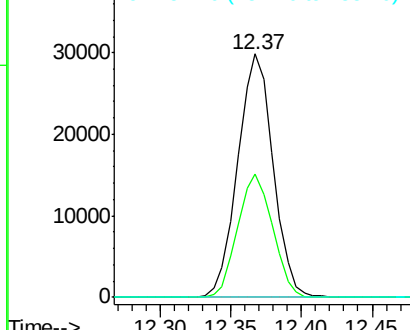


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

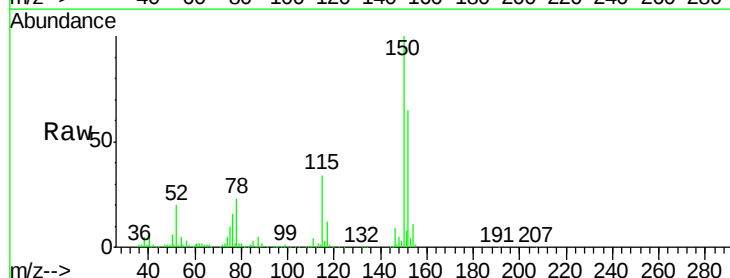
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.5	82.4
150	161.5	0.0	343.2

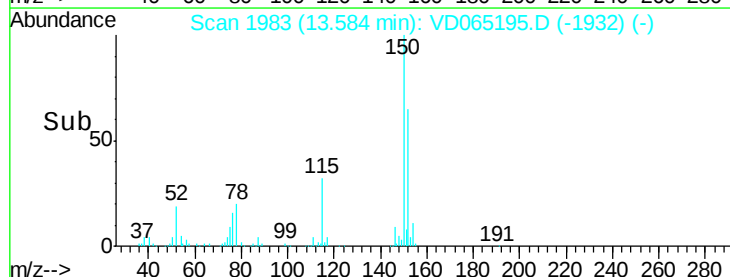
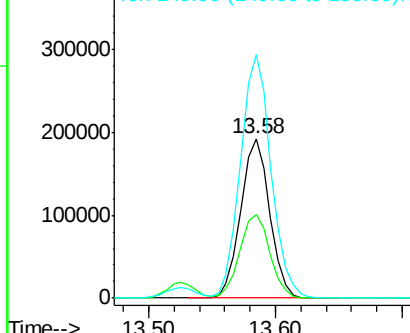


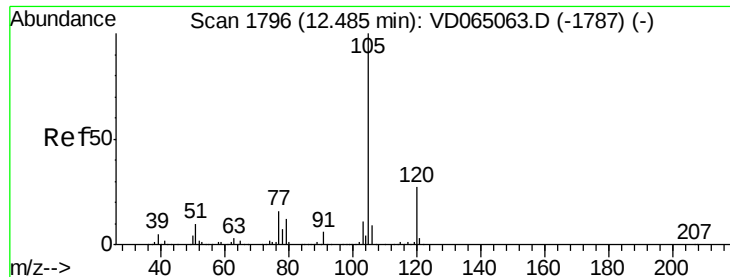
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.179 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBS01

Tot Ion: 105 Resp: 421562

Ion Ratio Lower Upper

105 100

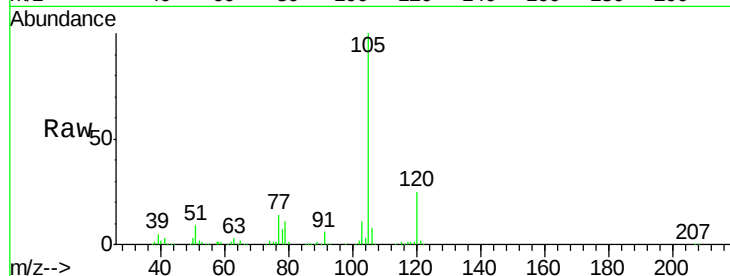
120 26.5 13.3 39.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

250000

200000

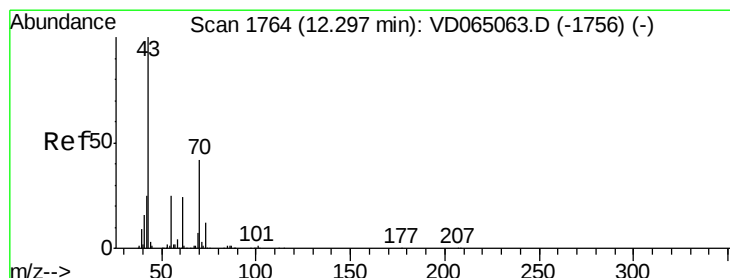
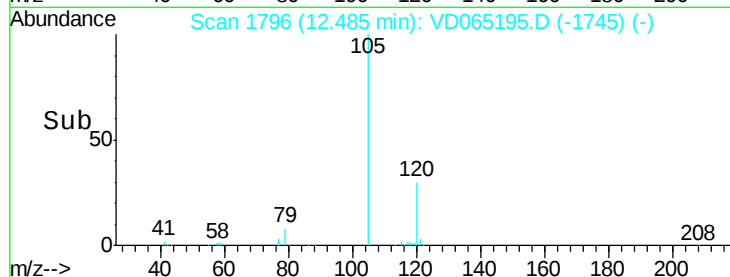
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.495 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Tgt Ion: 43 Resp: 93062

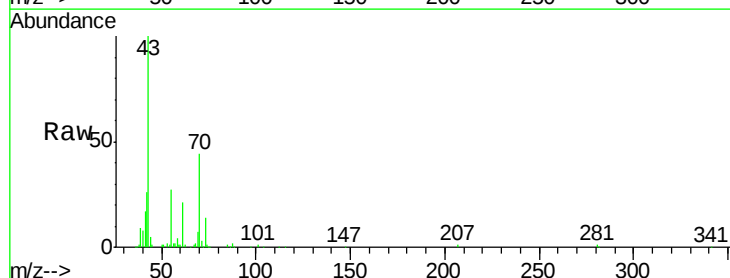
Ion Ratio Lower Upper

43 100

70 42.1 33.5 50.3

55 28.4 19.4 29.2

61 23.4 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.30

100000

80000

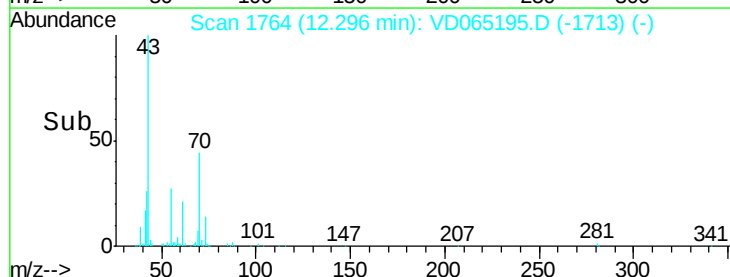
60000

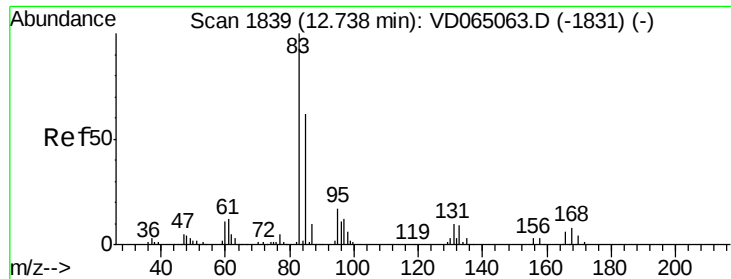
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.463 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

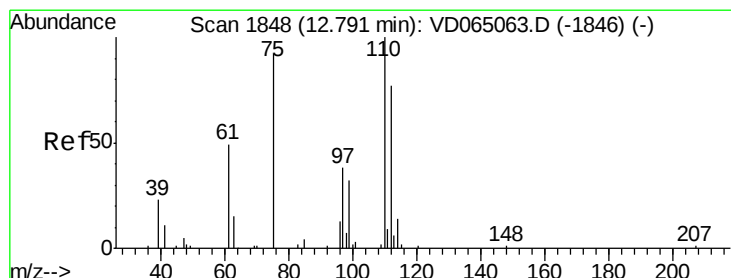
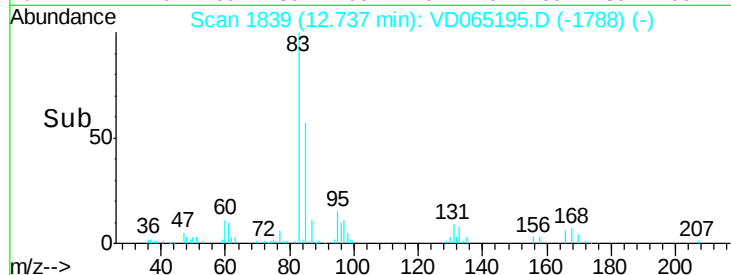
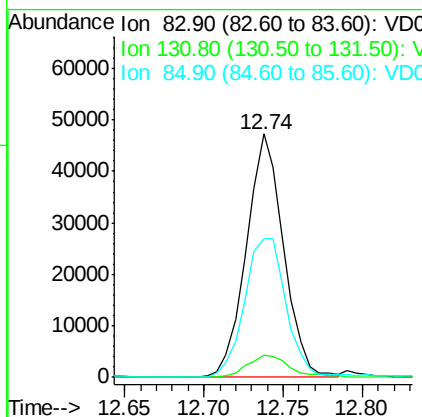
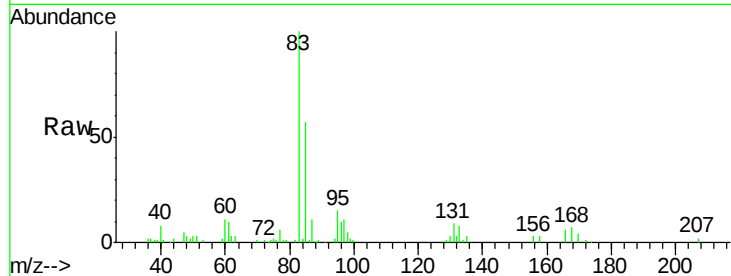
ClientSampleId :

VD0217SBS01

Tot Ion:	83	Resp:	77143
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.5	16.4
85	63.5	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 22.985 ug/l m

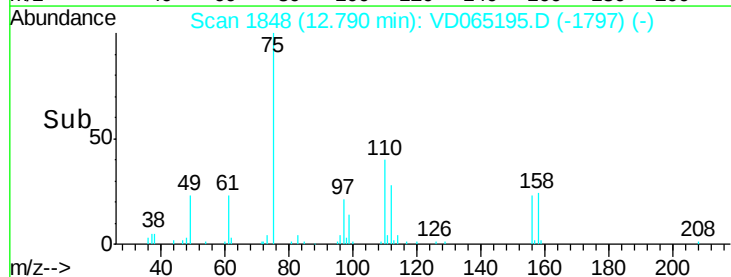
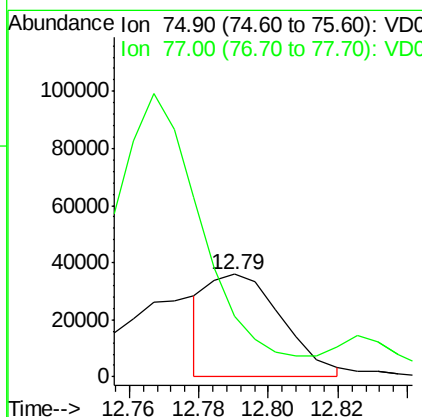
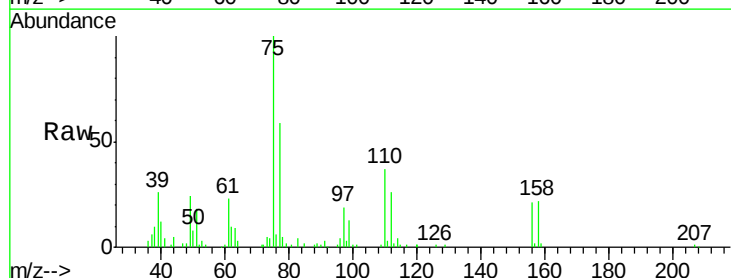
RT: 12.79 min Scan# 1848

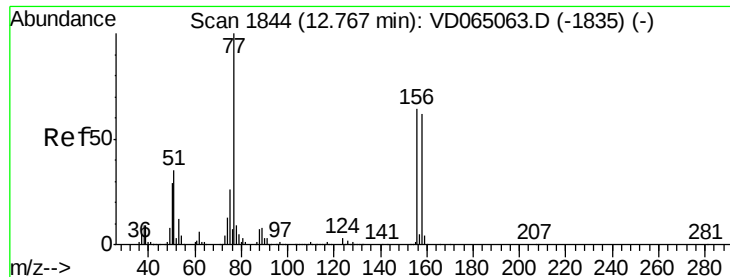
Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Tgt Ion:	75	Resp:	52966
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.127 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

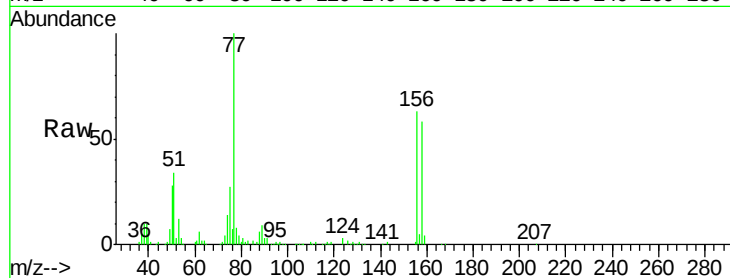
ClientSampleId :

VD0217SBSD01

Tot Ion:	156	Resp:	106336
Ion Ratio	Lower	Upper	
156	100		
77	170.3	85.6	256.8
158	95.3	47.4	142.2

Manual Integrations
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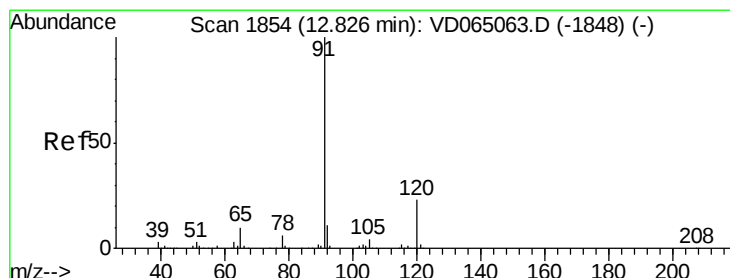
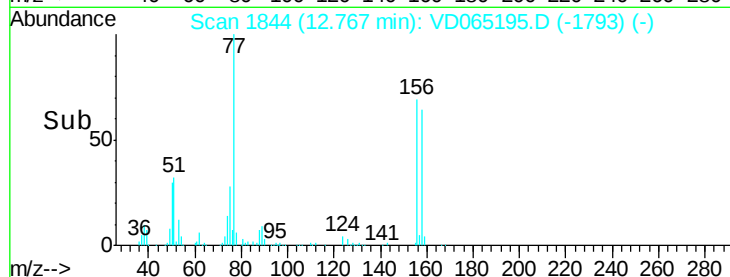
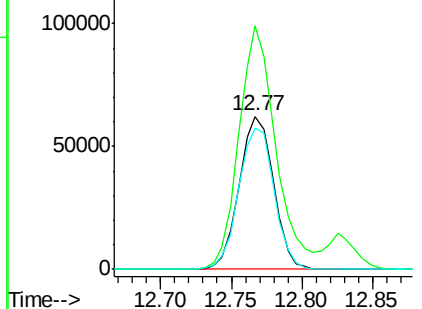
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.951 ug/l

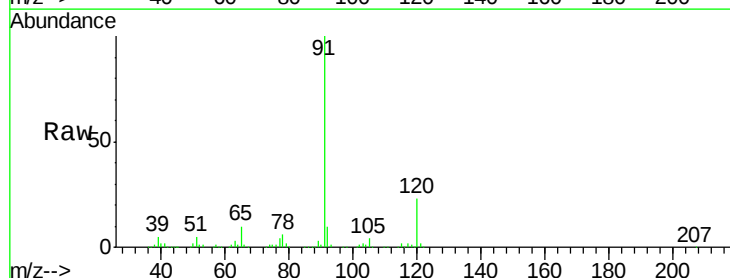
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065195.D

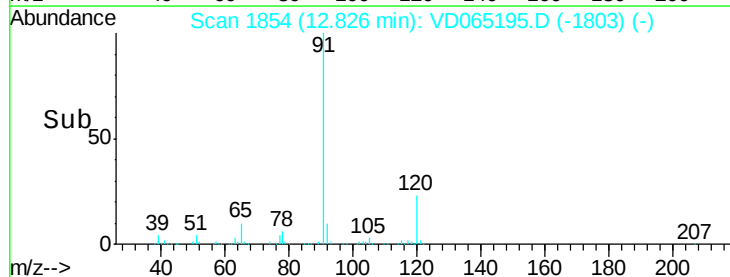
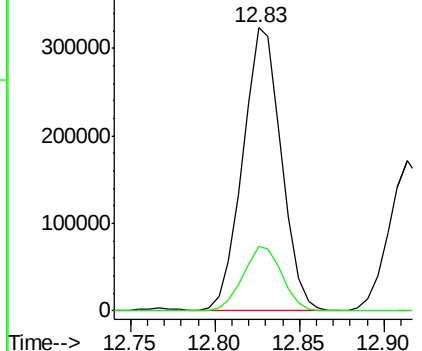
Acq: 17 Feb 2020 14:33

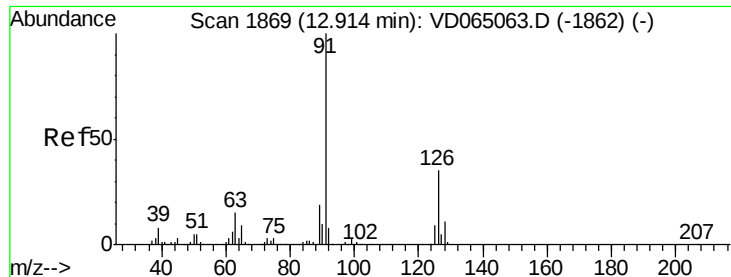
Tgt Ion:	91	Resp:	512564
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





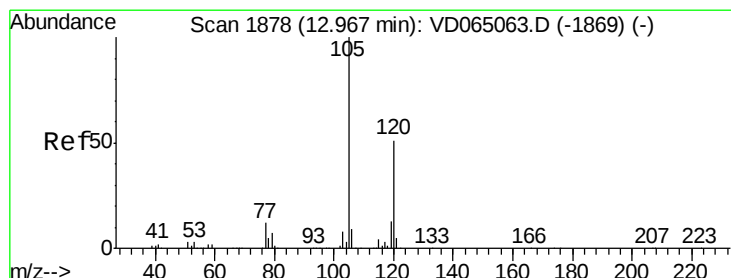
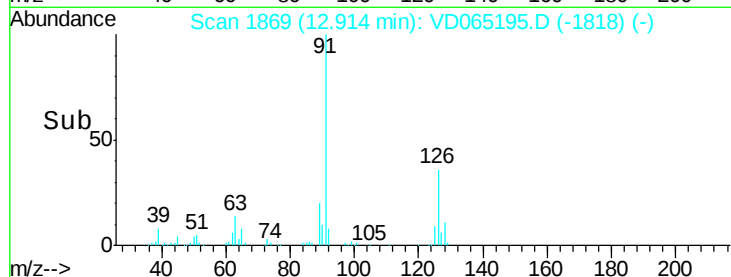
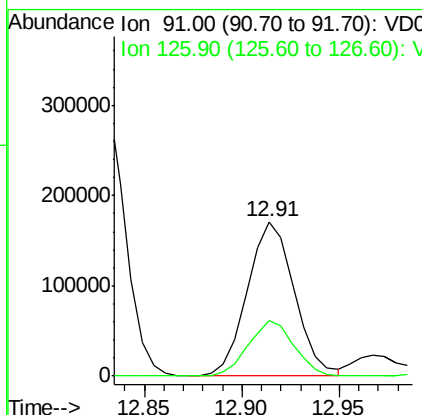
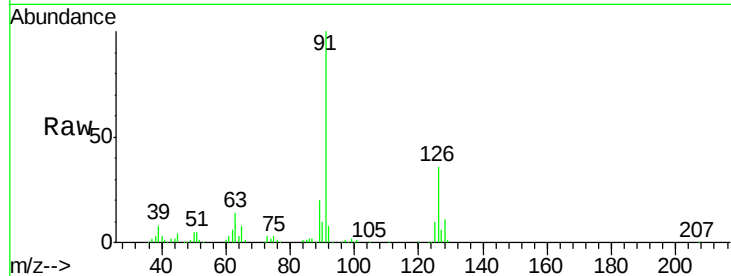
#79
 2-Chlorotoluene
 Concen: 20.977 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.4	52.3

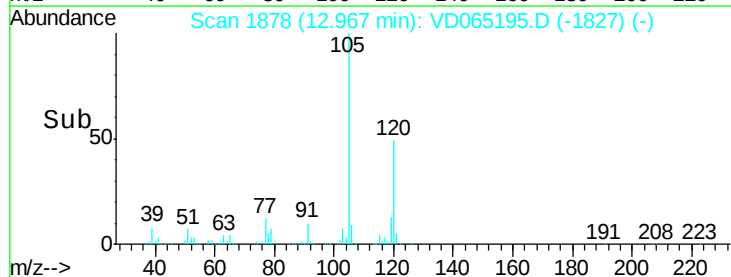
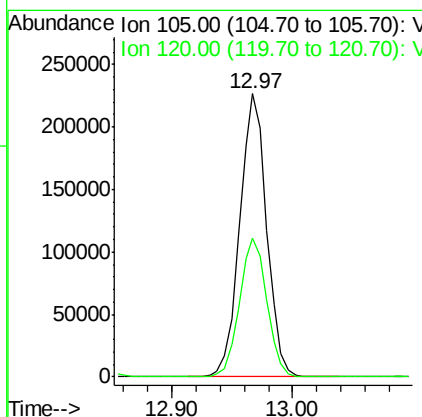
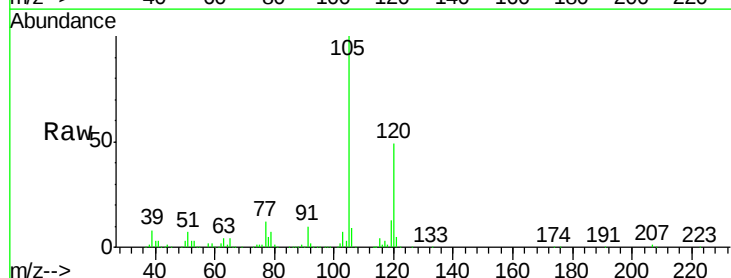
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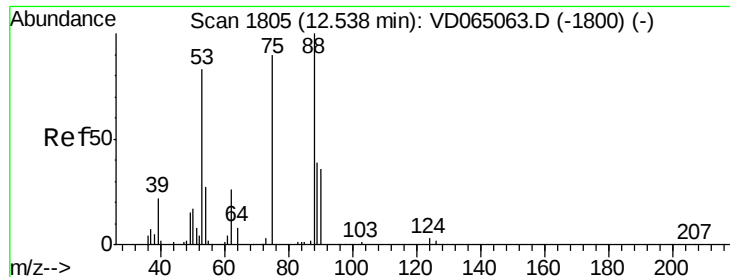
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 2/18/2020 10:58:20 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.547 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.0	25.1	75.4





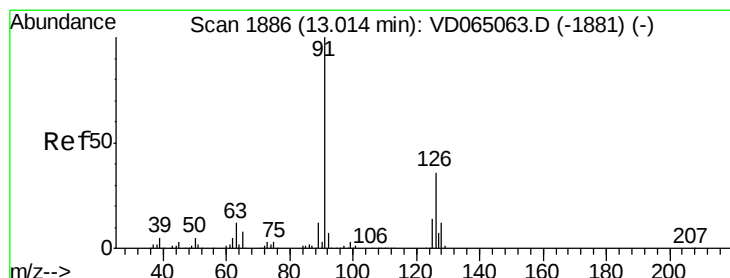
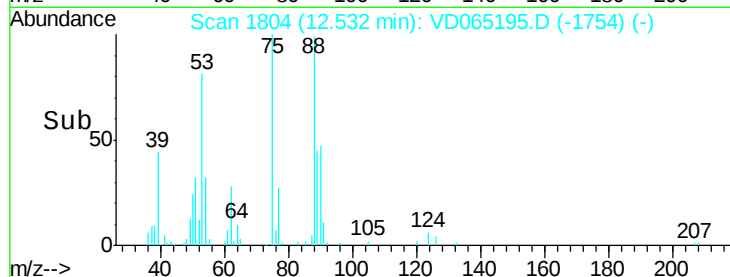
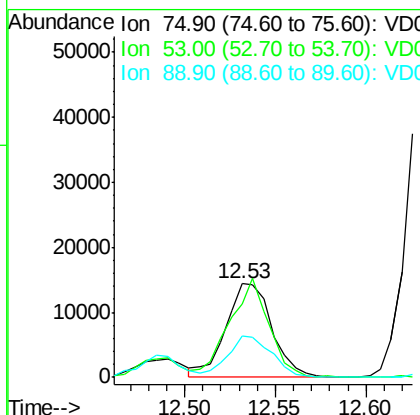
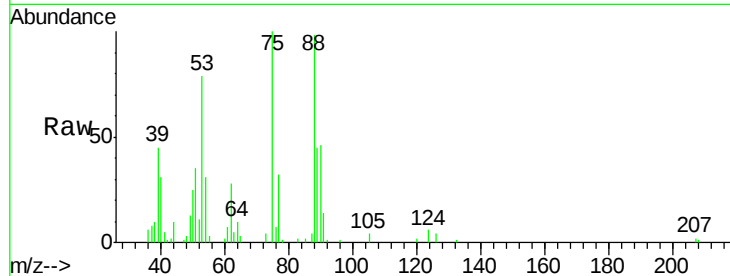
#81
trans-1,4-Dichloro-2-butene
Concen: 22.067 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.8	78.5	117.7
89	42.1	37.0	55.4

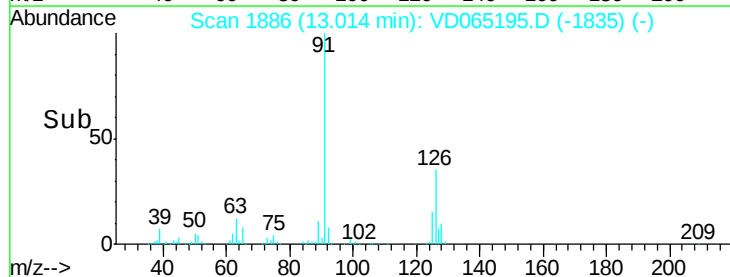
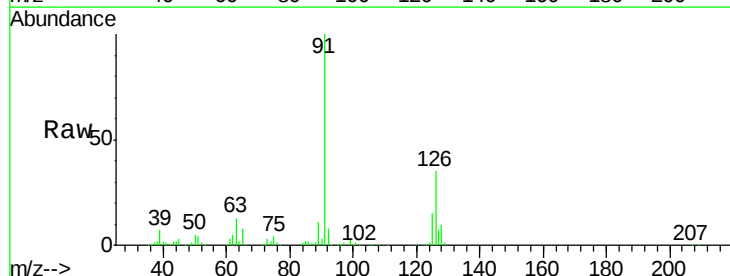
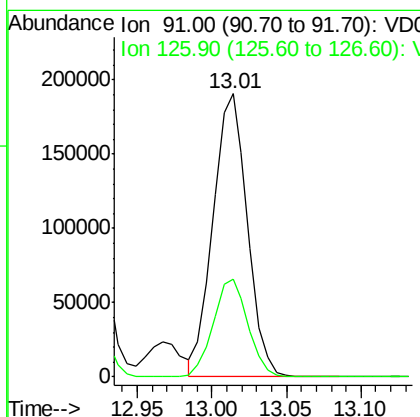
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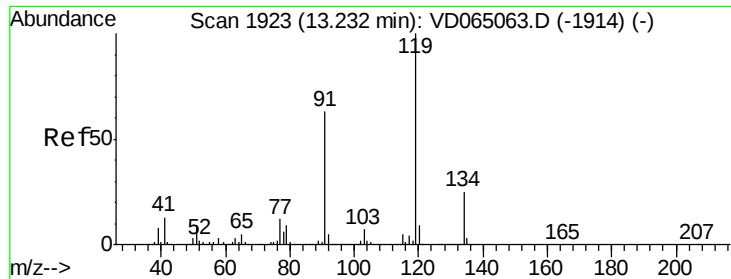
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#82
4-Chlorotoluene
Concen: 21.393 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.5	52.5





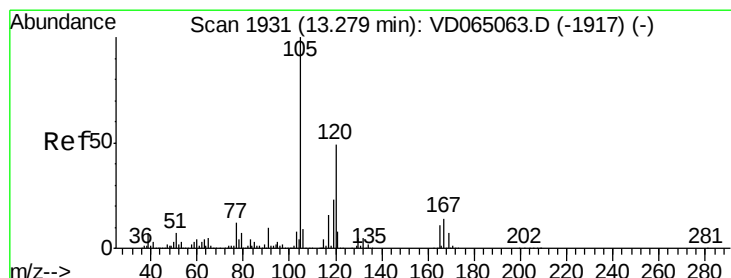
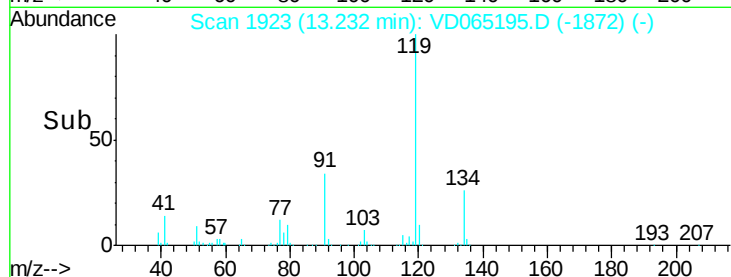
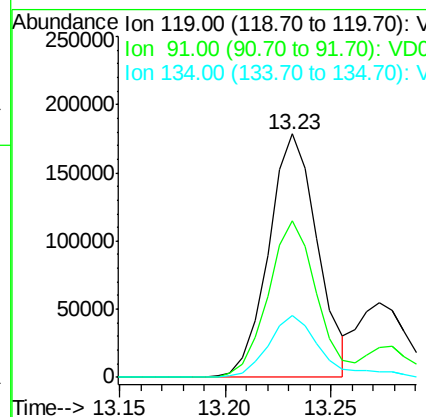
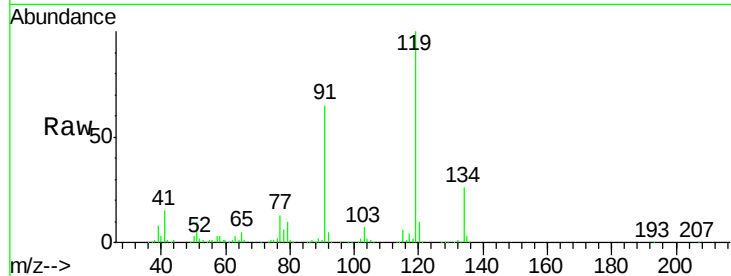
#83
tert-Butylbenzene
Concen: 19.532 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	288002		
91	64.3		32.3	96.9
134	27.6		13.8	41.3

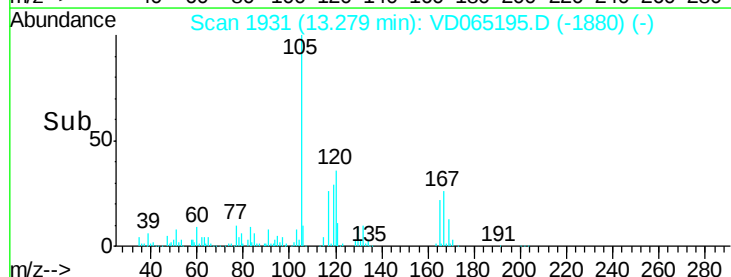
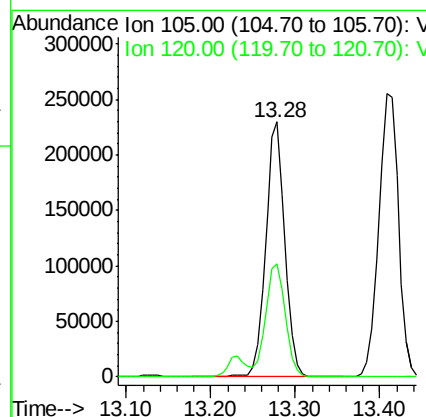
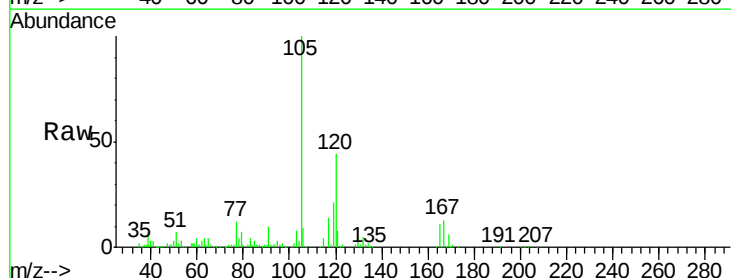
Manual Integrations
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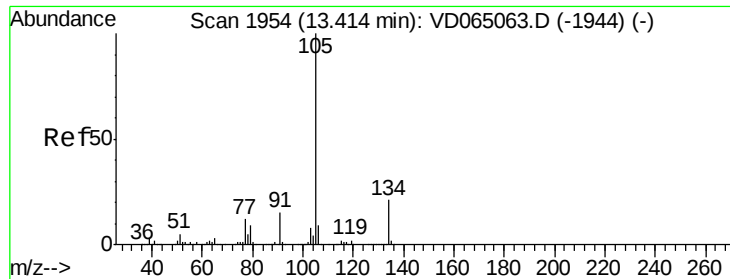
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.295 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	361326		
120	45.9		23.5	70.5





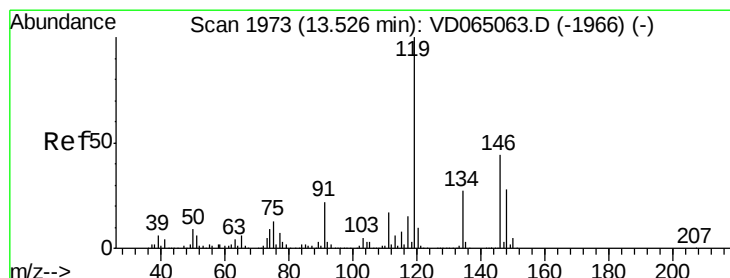
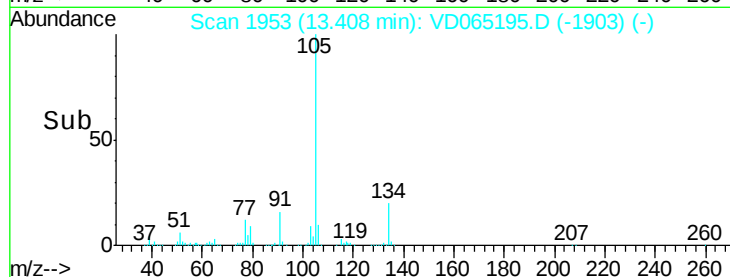
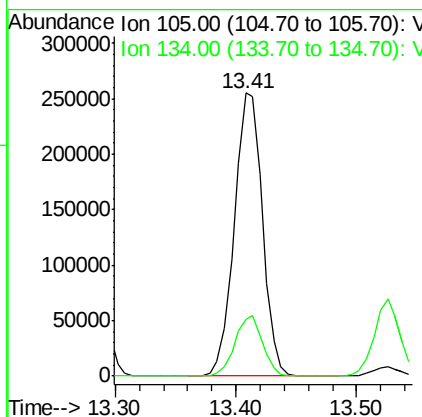
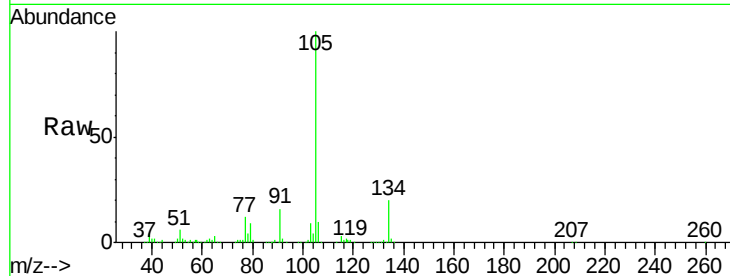
#85
 sec-Butylbenzene
 Concen: 20.560 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.4	31.1

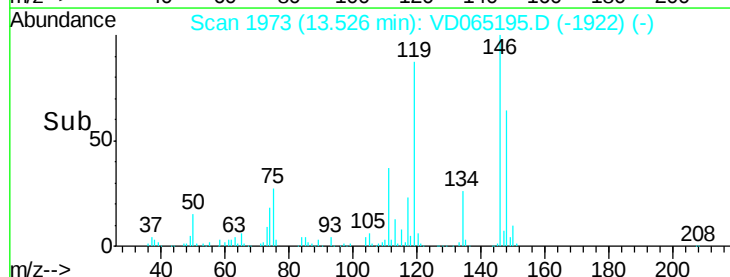
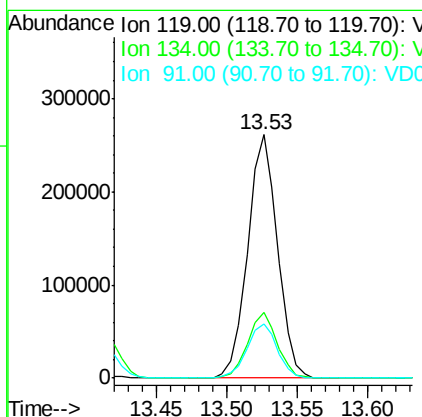
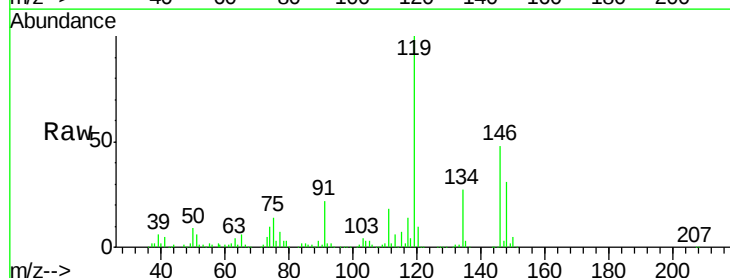
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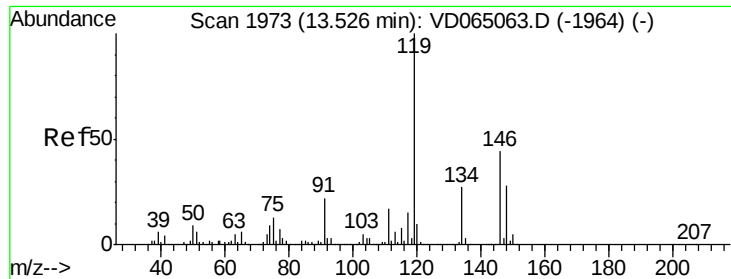
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#86
 p-Isopropyltoluene
 Concen: 20.649 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.5	40.5
91	22.5	11.3	33.9





#87

1,3-Dichlorobenzene

Concen: 21.597 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

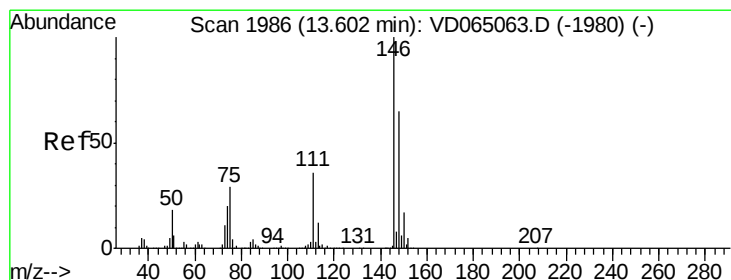
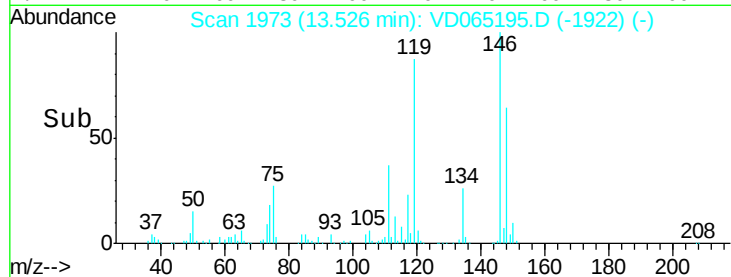
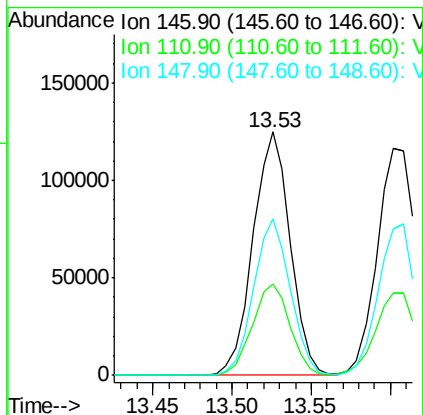
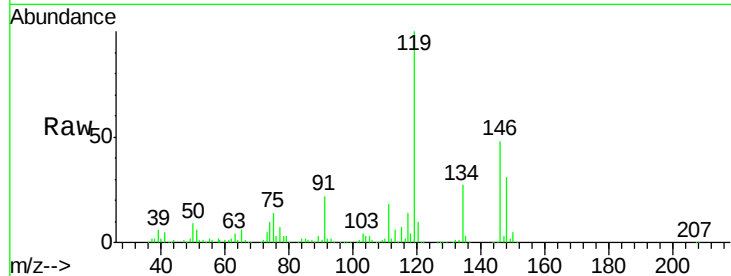
ClientSampleId :

VD0217SBS01

Tot Ion:	146	Resp:	203527
Ion Ratio	Lower	Upper	
146	100		
111	38.0	19.4	58.4
148	63.6	32.3	96.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.392 ug/l

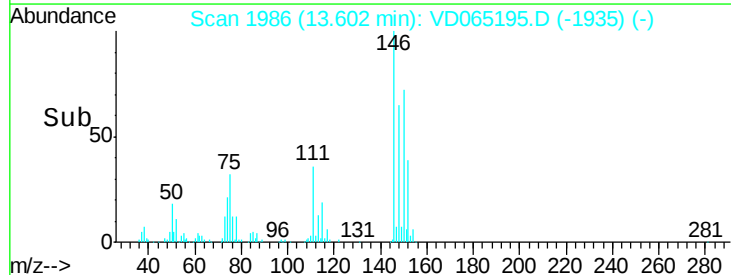
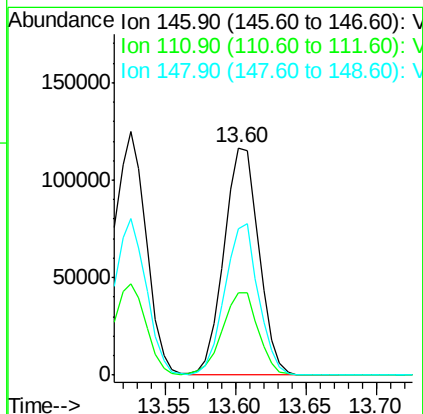
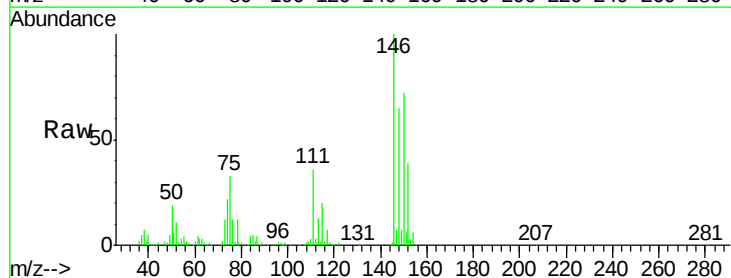
RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Tgt Ion:	146	Resp:	200646
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.5	55.5
148	64.2	32.7	98.1





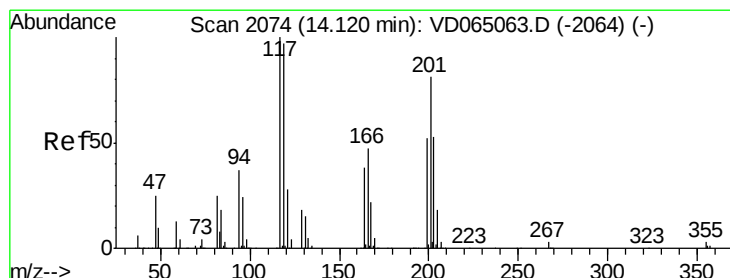
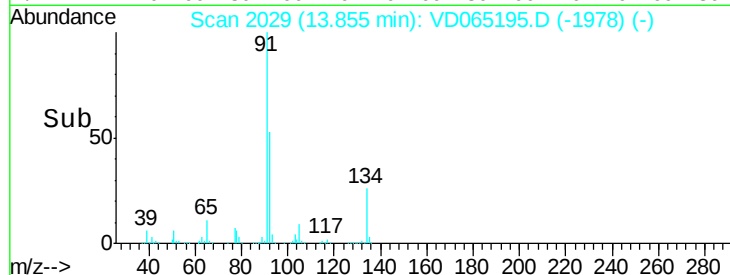
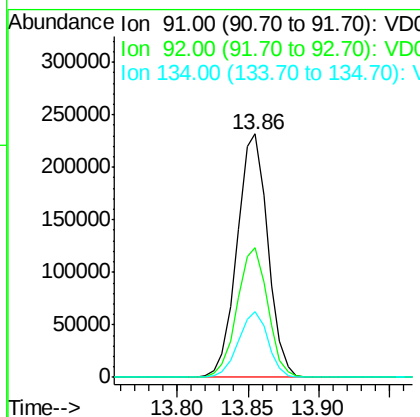
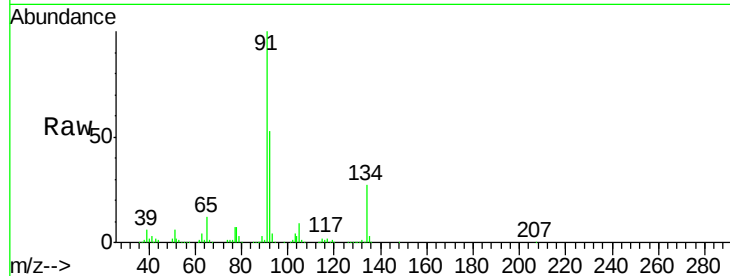
#89
n-Butylbenzene
Concen: 20.436 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.8	26.7	80.1	
134	26.0	13.4	40.2	

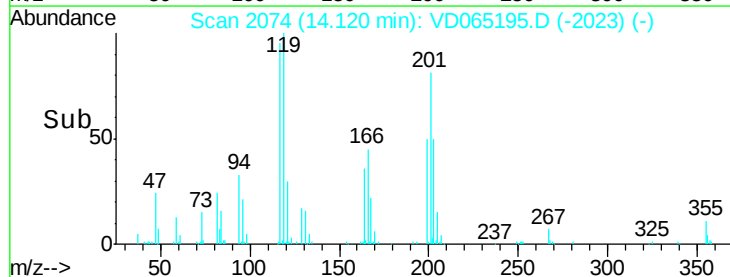
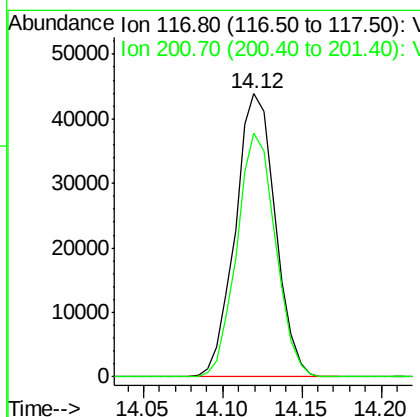
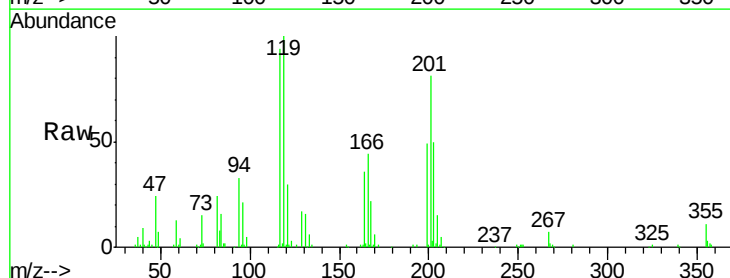
Manual Integrations
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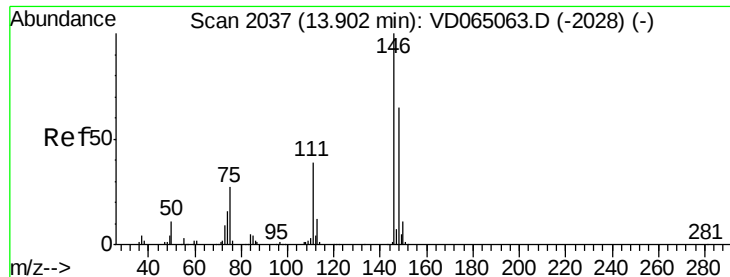
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#90
Hexachloroethane
Concen: 21.710 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	83.0	42.5	127.6	





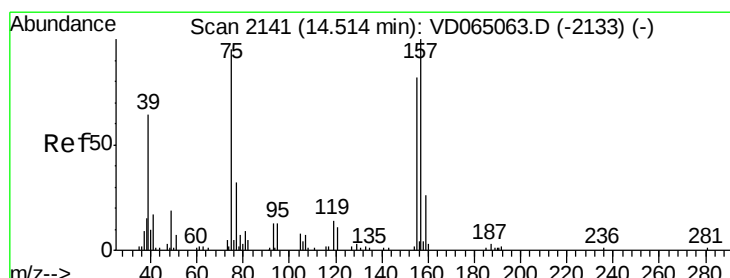
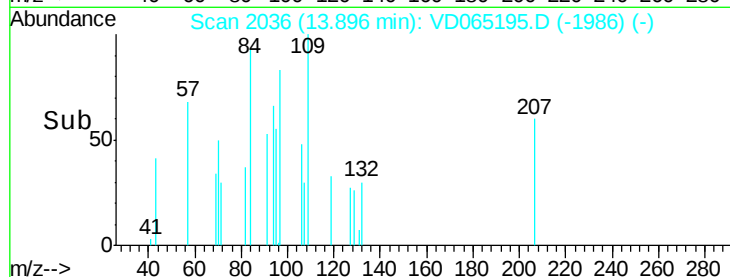
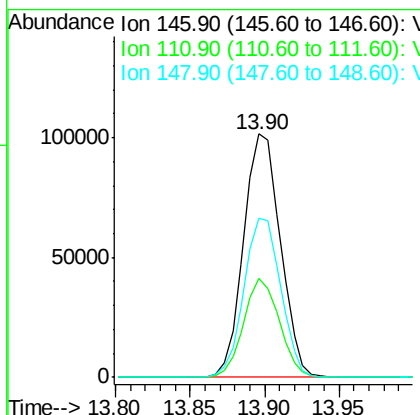
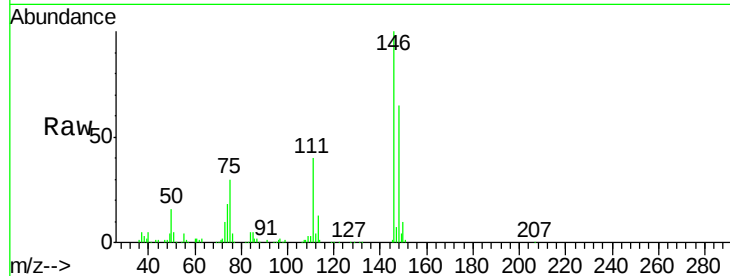
#91
 1,2-Dichlorobenzene
 Concen: 21.483 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.1
148	65.3	31.9	95.5

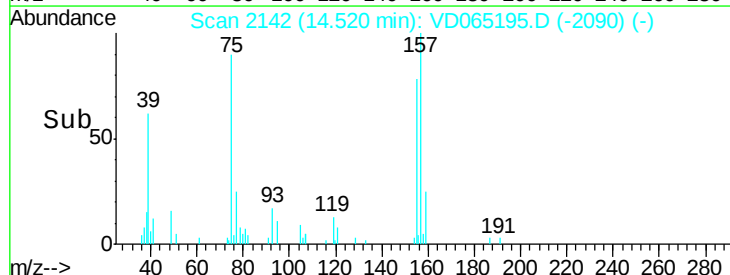
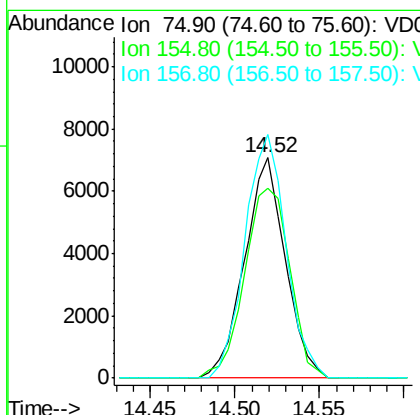
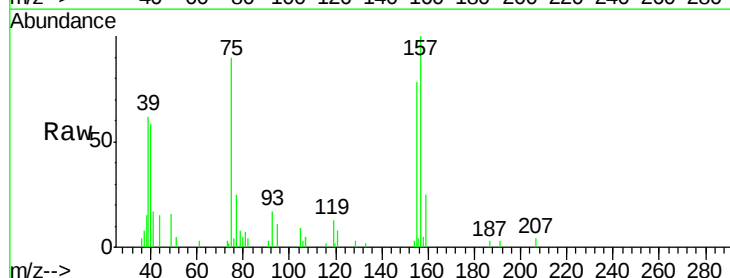
Manual Integrations
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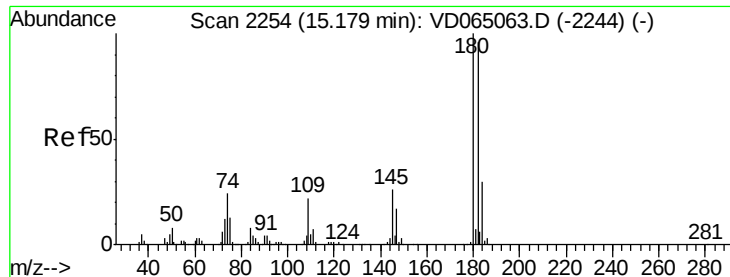
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.240 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	43.4	130.1
157	110.6	55.8	167.3





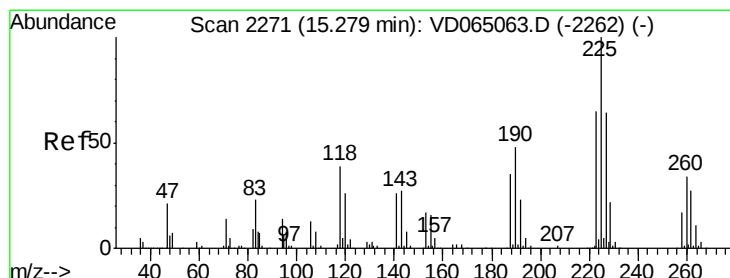
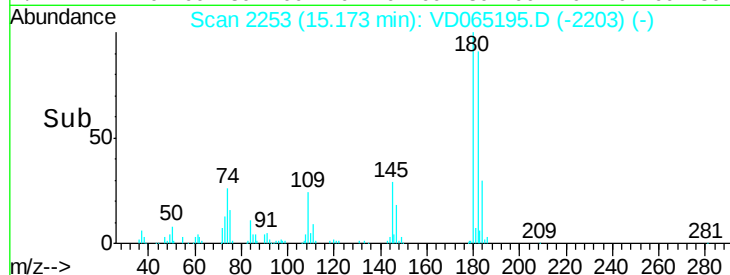
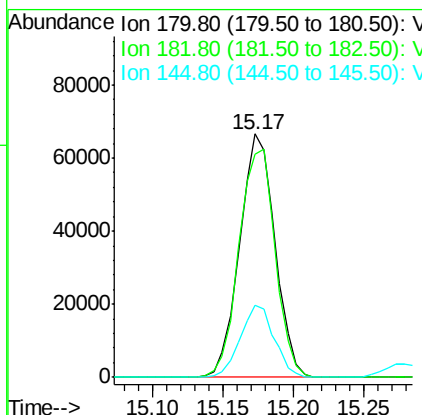
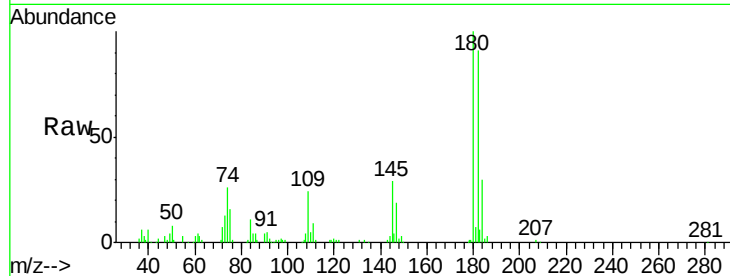
#93
 1,2,4-Trichlorobenzene
 Concen: 20.225 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	116682		
182	95.9	47.4	142.3	
145	28.3	14.1	42.4	

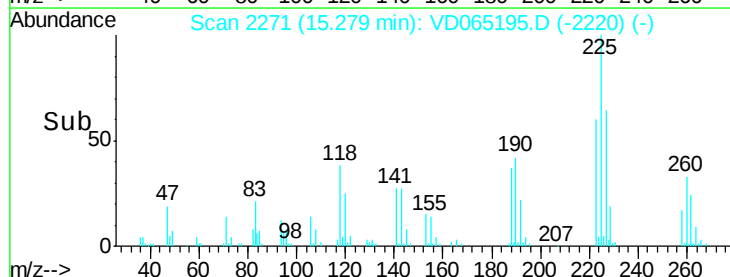
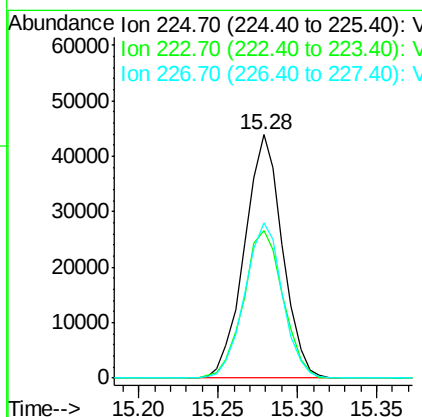
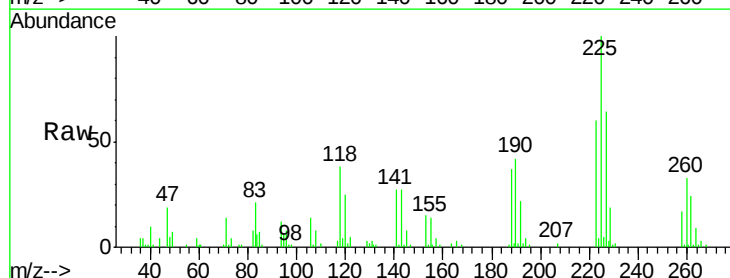
Manual Integrations
 APPROVED

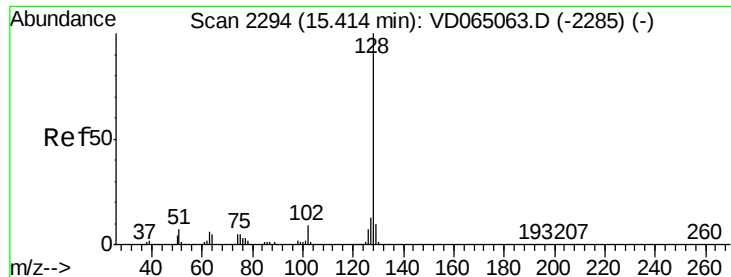
MMDadoda
 2/18/2020 10:58:20 AM



#94
 Hexachlorobutadiene
 Concen: 20.584 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	73019		
223	63.1	31.4	94.0	
227	63.3	31.8	95.3	





#95

Naphthalene

Concen: 19.760 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

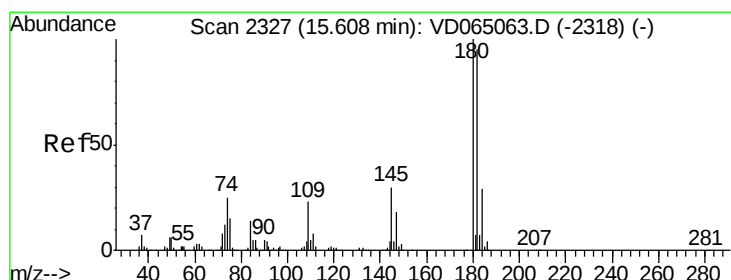
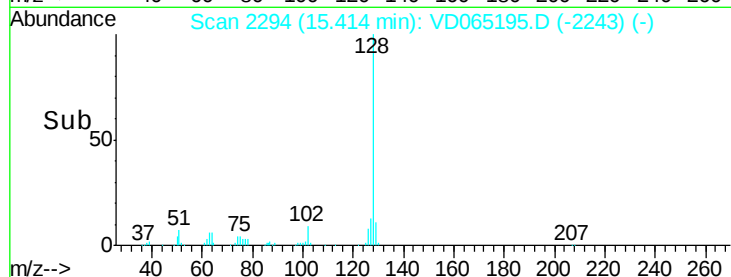
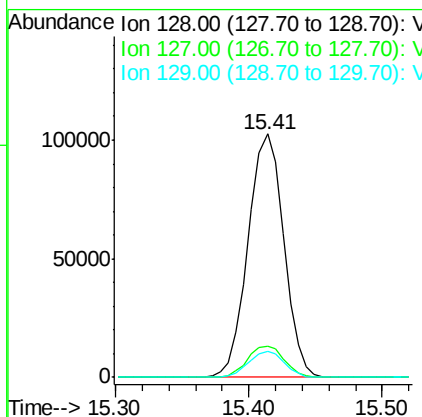
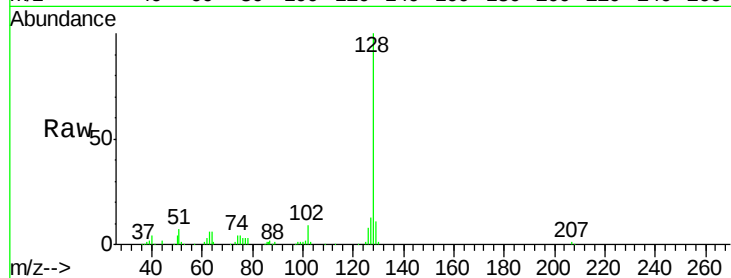
ClientSampleId :

VD0217SBS01

Tot Ion:	128	Resp:	189482
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/18/2020 10:58:20 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.118 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Tgt Ion:	180	Resp:	104211
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.1	141.4
145	30.5	14.9	44.9

