

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072220\
 Data File : VD065995.D
 Acq On : 22 Jul 2020 12:16
 Operator : VA/SY
 Sample : VD0722SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/23/2020 2:14:33 PM

Quant Time: Jul 22 15:51:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	348670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	513256	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	483758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	244321	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	147210	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
35) Dibromofluoromethane	7.91	113	157605	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	10.34	98	610903	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
62) 4-Bromofluorobenzene	12.64	95	207663	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	59271	22.400	ug/l	98
3) Chloromethane	2.21	50	48248	22.344	ug/l	97
4) Vinyl Chloride	2.35	62	44930	21.849	ug/l	95
5) Bromomethane	2.76	94	33075	19.845	ug/l	83
6) Chloroethane	2.92	64	27786	22.636	ug/l	91
7) Trichlorofluoromethane	3.27	101	108560	21.704	ug/l	94
8) Diethyl Ether	3.70	74	28499	20.614	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	65863	21.808	ug/l	100
10) Methyl Iodide	4.30	142	61877	25.520	ug/l	97
11) Tert butyl alcohol	5.21	59	24183	121.547	ug/l #	83
12) 1,1-Dichloroethene	4.07	96	61225	21.238	ug/l	96
13) Acrolein	3.91	56	24502	102.505	ug/l	99
14) Allyl chloride	4.71	41	96957	21.515	ug/l	97
15) Acrylonitrile	5.42	53	61400	103.954	ug/l	98
16) Acetone	4.16	43	52355	91.168	ug/l	97
17) Carbon Disulfide	4.41	76	197091	21.077	ug/l	98
18) Methyl Acetate	4.72	43	27560	20.630	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	127427	21.513	ug/l	99
20) Methylene Chloride	4.96	84	78227	23.037	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	68507	21.026	ug/l	98
22) Diisopropyl ether	6.36	45	194045	22.665	ug/l	98
23) Vinyl Acetate	6.30	43	526718	109.089	ug/l	99
24) 1,1-Dichloroethane	6.26	63	114086	21.993	ug/l	98
25) 2-Butanone	7.21	43	76468	100.351	ug/l	100
26) 2,2-Dichloropropane	7.20	77	103825	22.257	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	74427	21.575	ug/l	98
28) Bromochloromethane	7.54	49	45403	20.622	ug/l	95
29) Tetrahydrofuran	7.56	42	49323	104.907	ug/l	99
30) Chloroform	7.71	83	118703	21.876	ug/l	96
31) Cyclohexane	7.98	56	104515	20.479	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	110499	22.015	ug/l	98
36) 1,1-Dichloropropene	8.11	75	94313	21.531	ug/l	99
37) Ethyl Acetate	7.29	43	36170	21.621	ug/l	96
38) Carbon Tetrachloride	8.10	117	101185	21.289	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	111802	21.076	ug/l	95
40) Benzene	8.35	78	267030	21.790	ug/l	96
41) Methacrylonitrile	7.52	41	14912	15.561	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	73102	21.769	ug/l	99
43) Isopropyl Acetate	8.45	43	66765	20.434	ug/l	100
44) Trichloroethene	9.11	130	79589	21.461	ug/l	91
45) 1,2-Dichloropropane	9.39	63	64602	21.766	ug/l	96
46) Dibromomethane	9.48	93	34711	21.725	ug/l	96
47) Bromodichloromethane	9.66	83	90801	21.493	ug/l	98
48) Methyl methacrylate	9.46	41	32002	19.417	ug/l	93
49) 1,4-Dioxane	9.46	88	7706	416.290	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	174912	106.247	ug/l	99
52) Toluene	10.41	92	177128	22.164	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	85351	21.685	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	102835	21.554	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	47329	20.886	ug/l	93
56) Ethyl methacrylate	10.66	69	56397	21.406	ug/l	98
57) 1,3-Dichloropropane	10.95	76	83453	22.246	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	140542	111.668	ug/l	98
59) 2-Hexanone	10.99	43	115646	101.368	ug/l	95
60) Dibromochloromethane	11.14	129	66945	21.911	ug/l	100
61) 1,2-Dibromoethane	11.25	107	46647	21.350	ug/l	96
64) Tetrachloroethene	10.88	164	69305	21.107	ug/l	96
65) Chlorobenzene	11.67	112	192683	21.754	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	70439	21.538	ug/l	96
67) Ethyl Benzene	11.75	91	328074	21.523	ug/l	98
68) m/p-Xylenes	11.86	106	263972	45.056	ug/l	98
69) o-Xylene	12.18	106	118064	22.156	ug/l	100
70) Styrene	12.20	104	206868	22.595	ug/l	99
71) Bromoform	12.36	173	40907	21.353	ug/l #	98
73) Isopropylbenzene	12.48	105	322184	21.793	ug/l	100
74) N-amyl acetate	12.29	43	62448	20.373	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	51398	21.037	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	31552m	17.151	ug/l	
77) Bromobenzene	12.77	156	84736	22.427	ug/l	95
78) n-propylbenzene	12.83	91	379469	22.120	ug/l	100
79) 2-Chlorotoluene	12.91	91	216688	22.109	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	271551	22.357	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	16803	20.959	ug/l	99
82) 4-Chlorotoluene	13.01	91	235758	22.790	ug/l	99
83) tert-Butylbenzene	13.23	119	235588	22.166	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	267244	22.302	ug/l	100
85) sec-Butylbenzene	13.41	105	317869	21.713	ug/l	98
86) p-Isopropyltoluene	13.52	119	305223	22.949	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	155604	22.183	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	156092	22.012	ug/l	100
89) n-Butylbenzene	13.85	91	267639	21.642	ug/l	99
90) Hexachloroethane	14.12	117	58561	21.269	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	132600	21.815	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8137	20.321	ug/l	94

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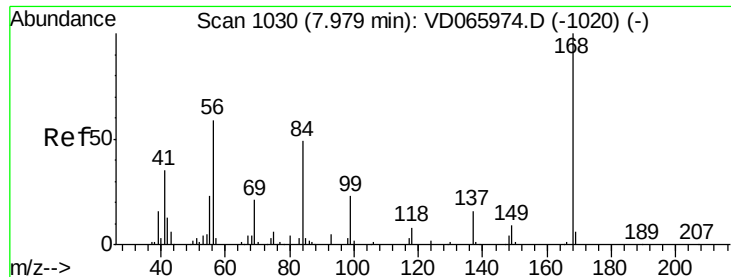
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	96226	22.055	ug/l	99
94) Hexachlorobutadiene	15.28	225	57638	21.368	ug/l	99
95) Naphthalene	15.41	128	144831	20.889	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	82423	21.730	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. 0.01 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

Tot Ion:168 Resp: 348670

Ion Ratio Lower Upper

168 100

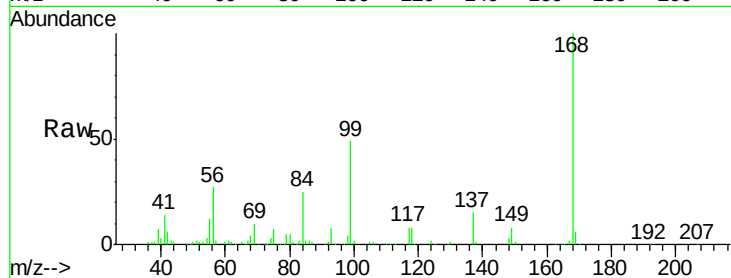
99 48.5 40.8 61.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

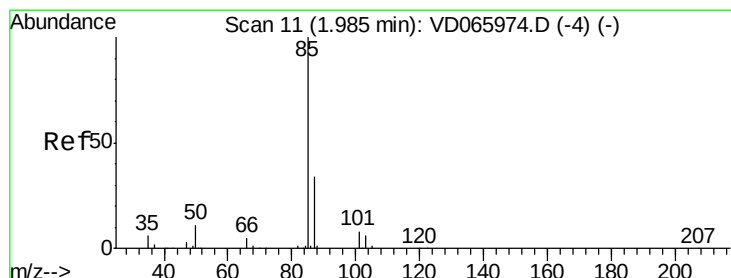
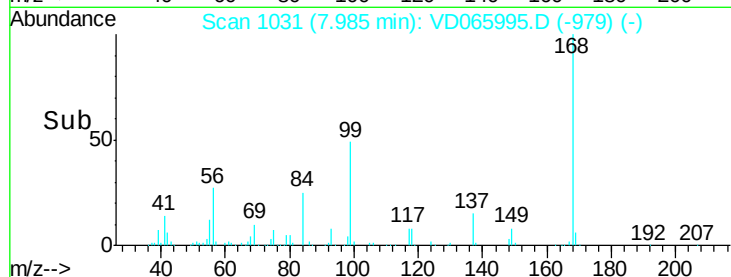
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.400 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065995.D

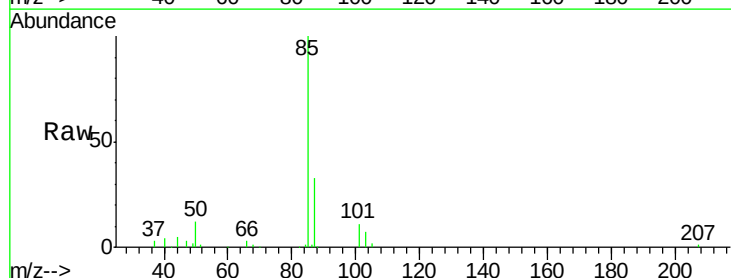
Acq: 22 Jul 2020 12:16

Tgt Ion: 85 Resp: 59271

Ion Ratio Lower Upper

85 100

87 33.4 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

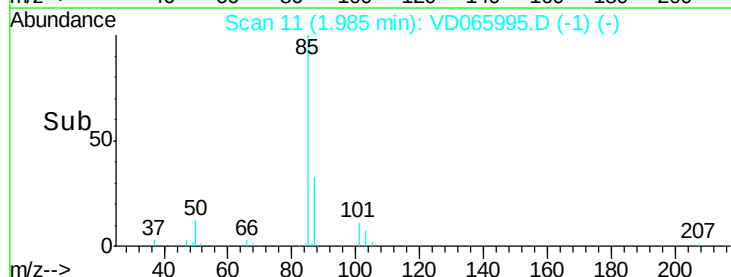
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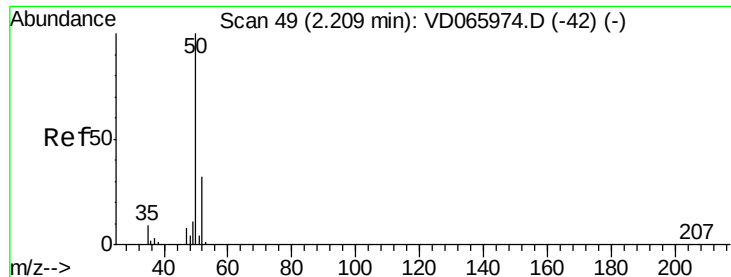
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 22.344 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

Tot Ion: 50 Resp: 48248

Ion Ratio Lower Upper

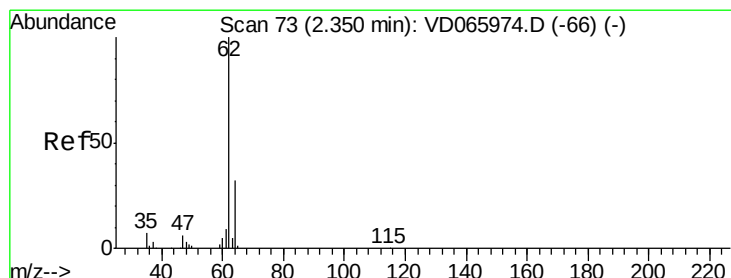
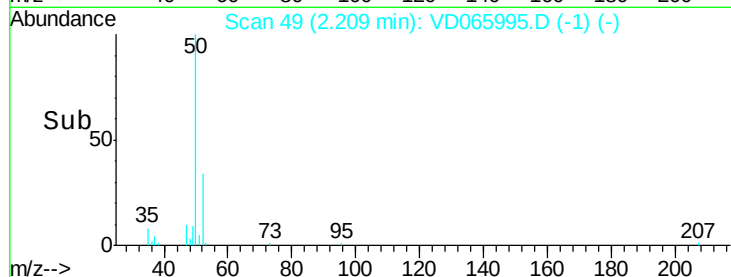
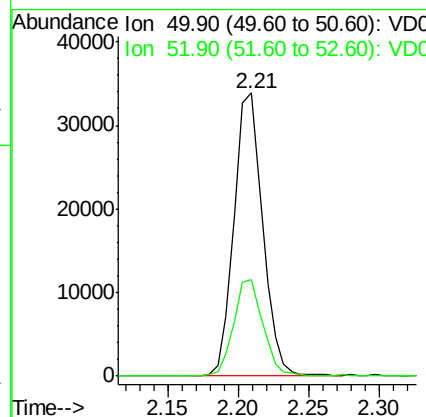
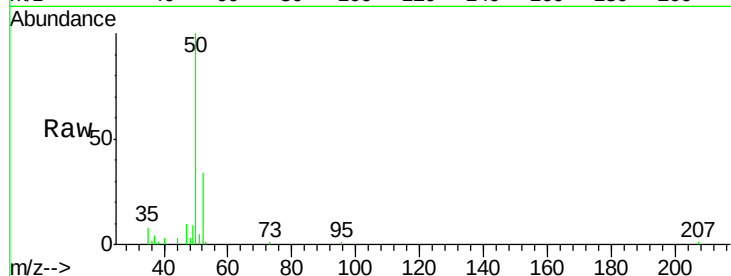
50 100

52 34.1 25.8 38.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.849 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065995.D

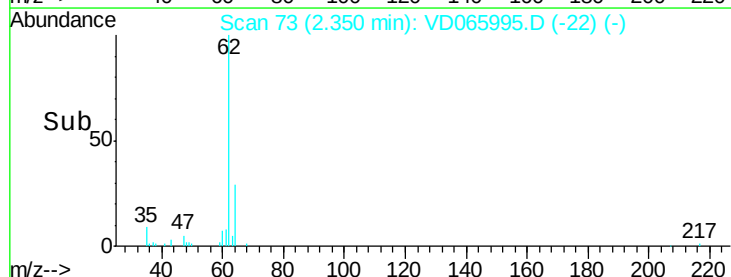
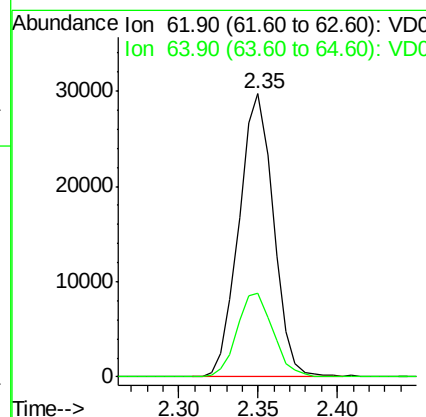
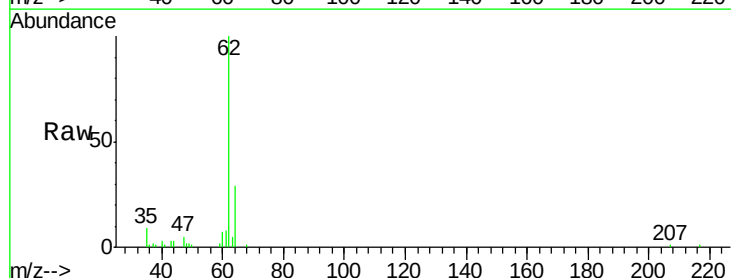
Acq: 22 Jul 2020 12:16

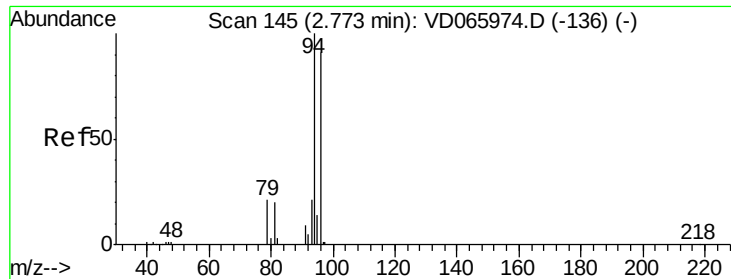
Tgt Ion: 62 Resp: 44930

Ion Ratio Lower Upper

62 100

64 29.4 25.8 38.8





#5

Bromomethane

Concen: 19.845 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

Tot Ion: 94 Resp: 33075

Ion Ratio Lower Upper

94 100

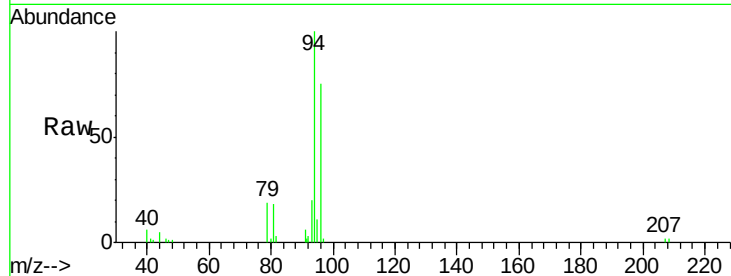
96 74.9 73.0 109.4

Manual Integrations

APPROVED

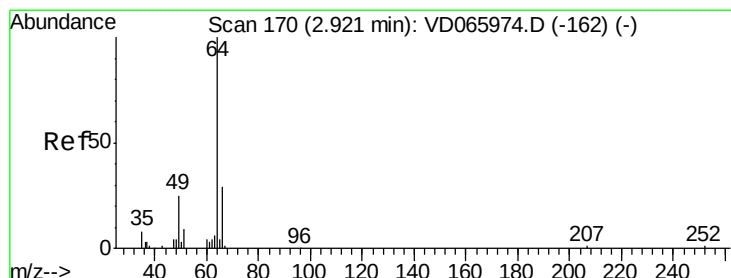
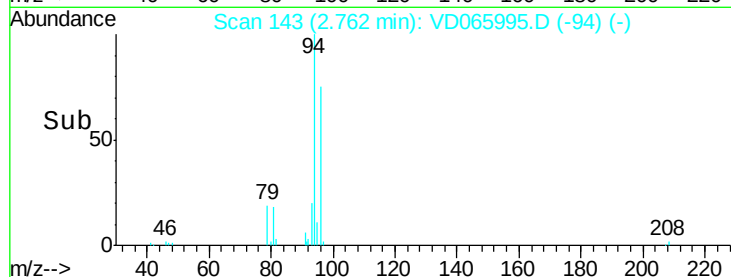
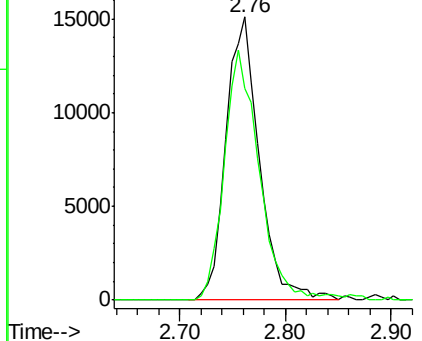
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 22.636 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD065995.D

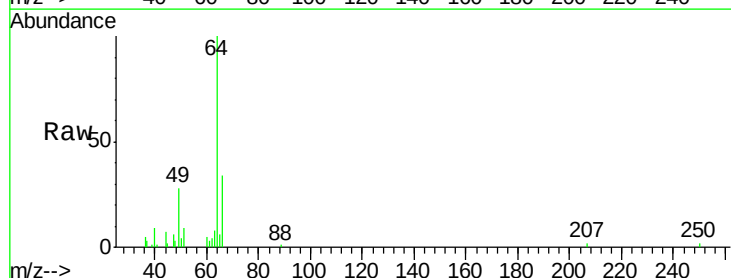
Acq: 22 Jul 2020 12:16

Tgt Ion: 64 Resp: 27786

Ion Ratio Lower Upper

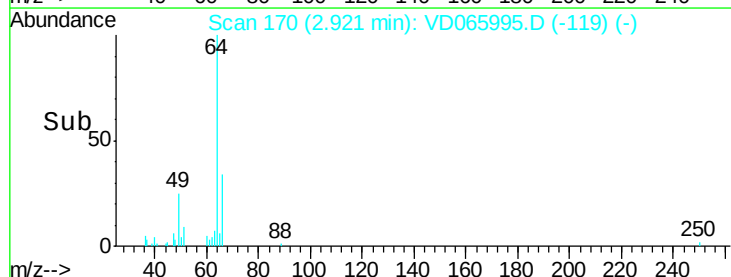
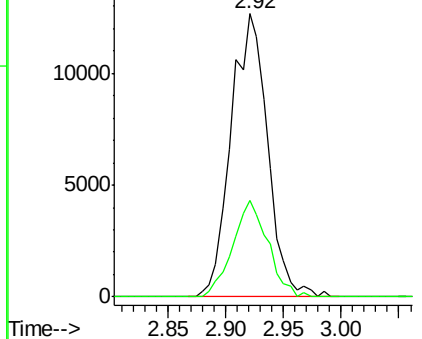
64 100

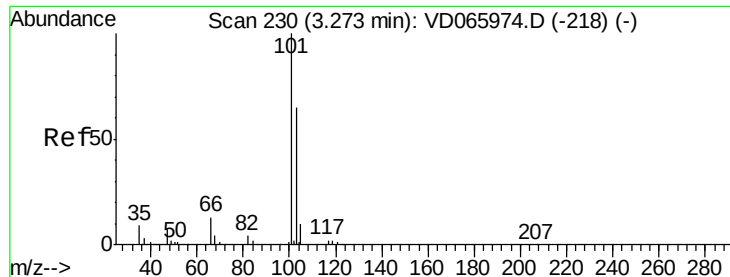
66 34.1 23.4 35.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

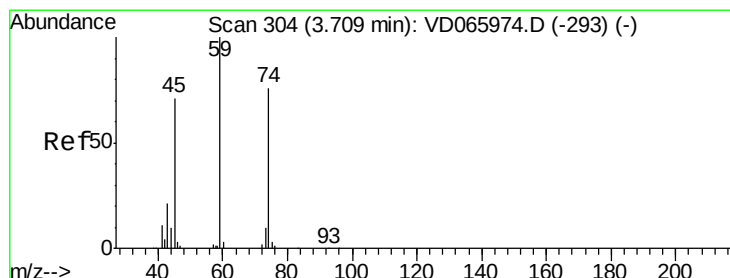
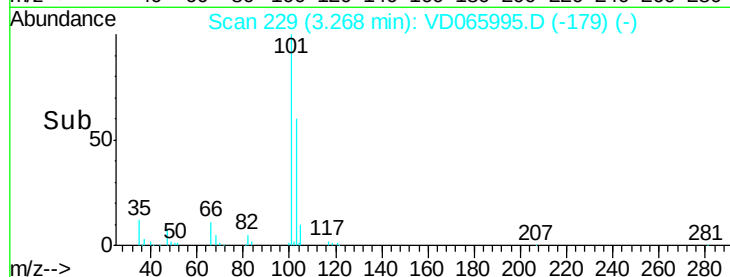
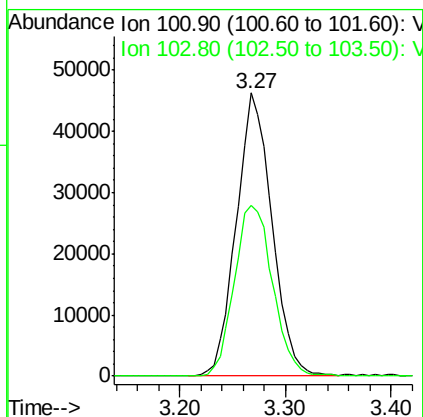
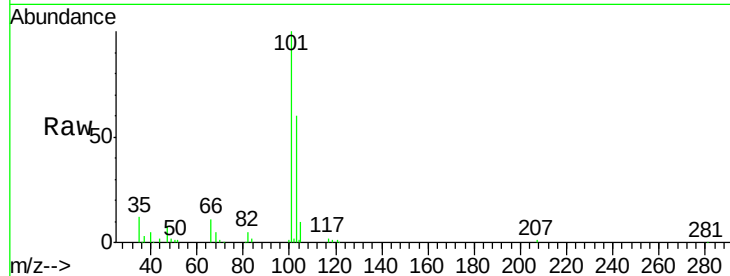
Trichlorofluoromethane
 Concen: 21.704 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065995.D
 Acq: 22 Jul 2020 12:16

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 VD0722SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.3	52.1	78.1

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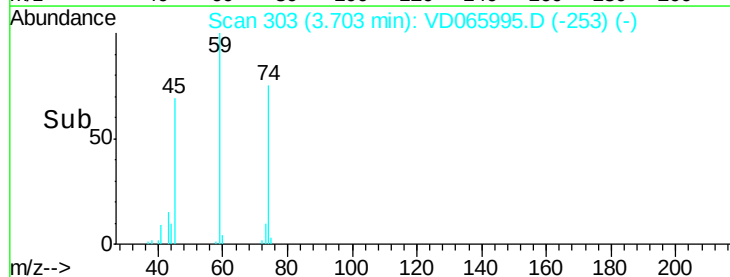
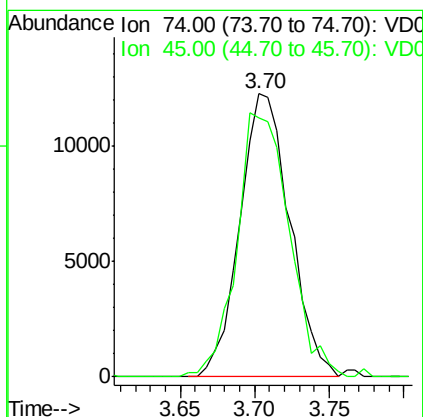
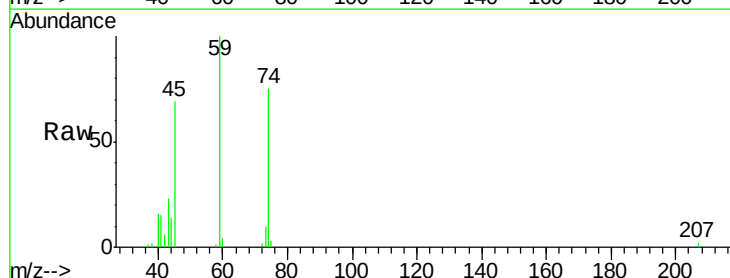
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 7/23/2020 2:14:33 PM

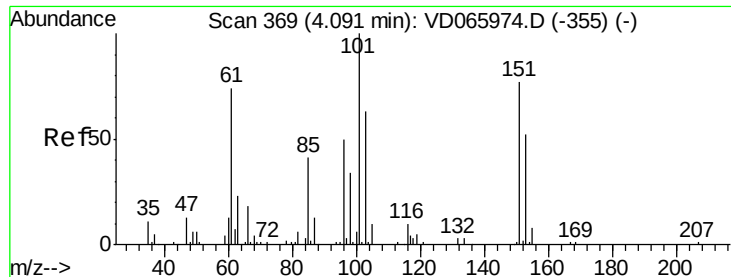


#8

Diethyl Ether
 Concen: 20.614 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065995.D
 Acq: 22 Jul 2020 12:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	49.9	149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.808 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Instrument :

MSVOA_D

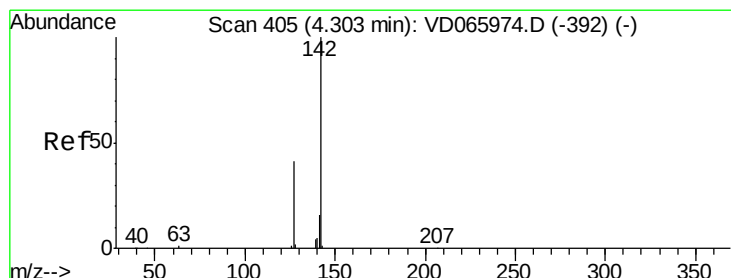
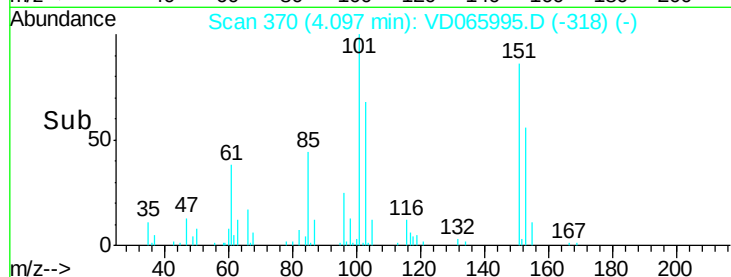
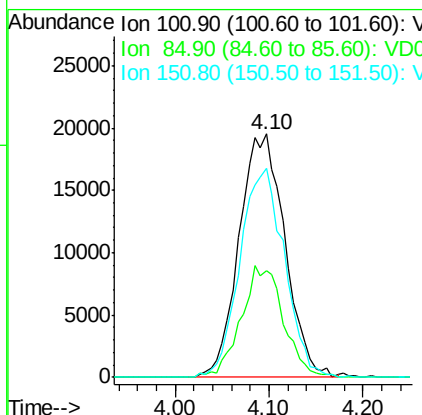
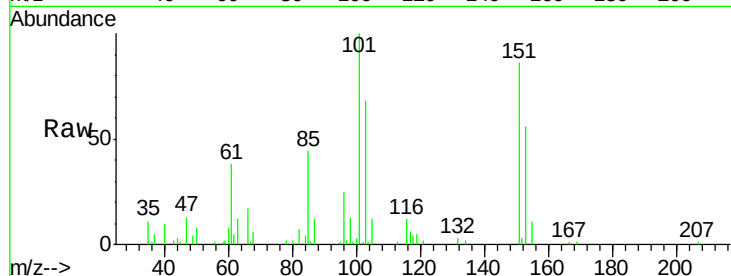
ClientSampleId :

VD0722SBS01

Tot Ion:	101	Resp:	65863
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.6	50.4
151	83.5	66.6	99.8

Manual Integrations
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#10

Methyl Iodide

Concen: 25.520 ug/l

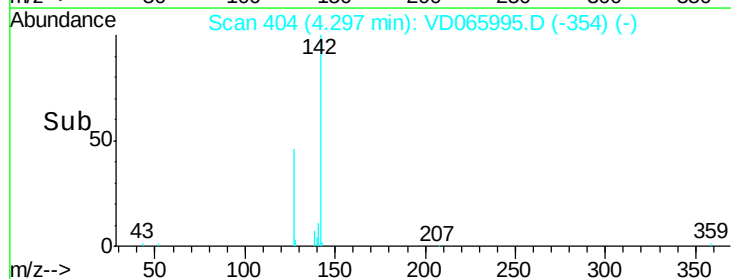
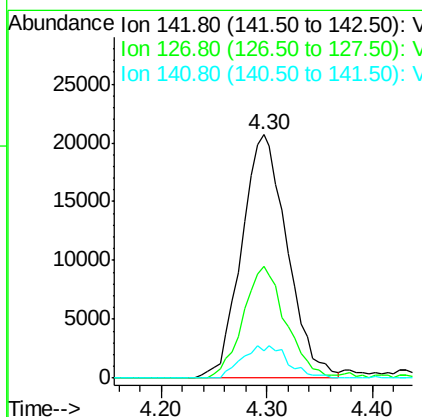
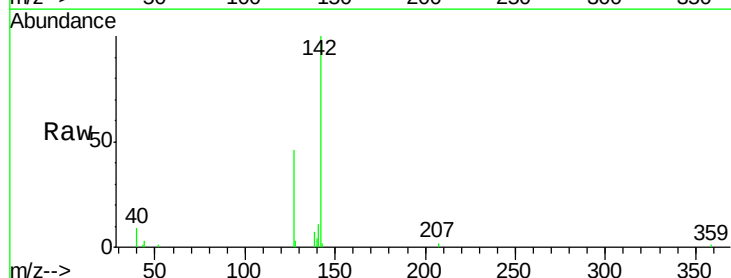
RT: 4.30 min Scan# 404

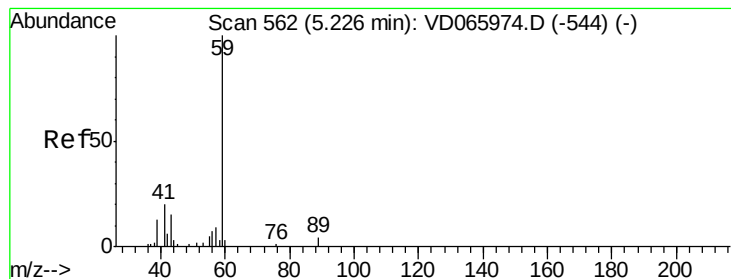
Delta R.T. -0.01 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Tgt Ion:	142	Resp:	61877
Ion Ratio	Lower	Upper	
142	100		
127	43.1	32.9	49.3
141	13.4	11.8	17.6





#11

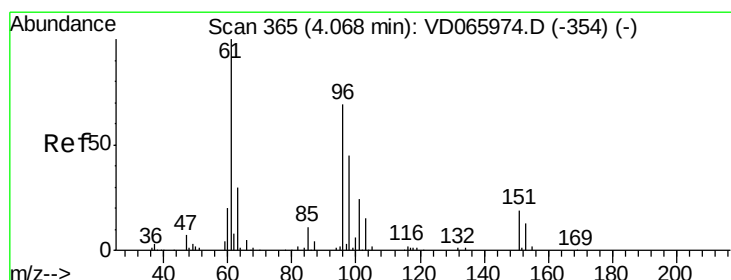
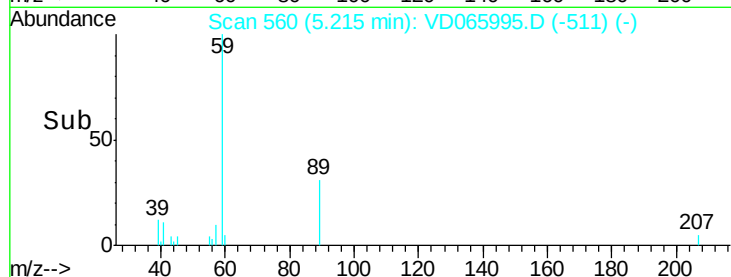
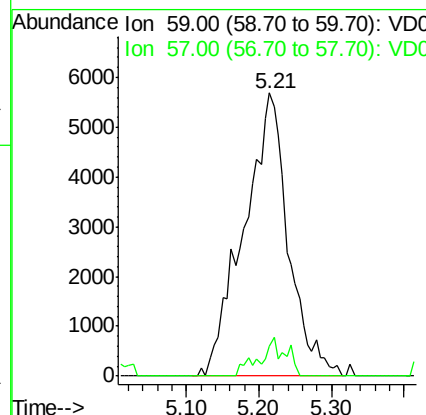
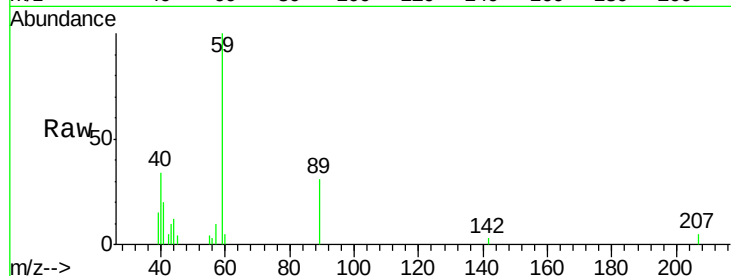
Tert butyl alcohol
 Concen: 121.547 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD065995.D
 Acq: 22 Jul 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	24183		
57	57	0.0	4.5	6.7#	

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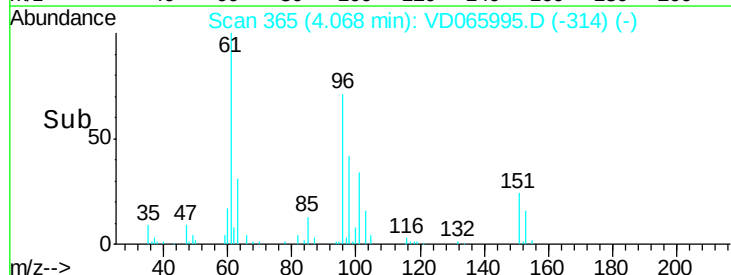
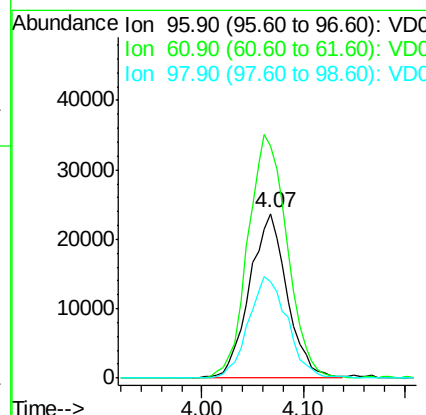
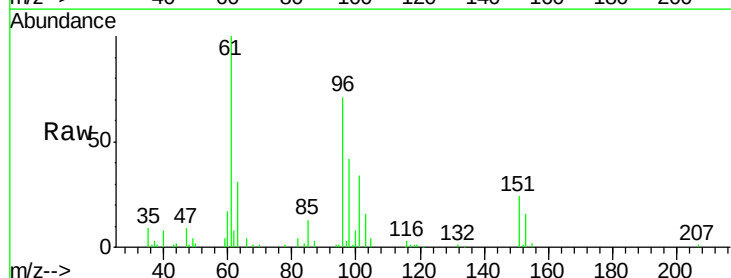
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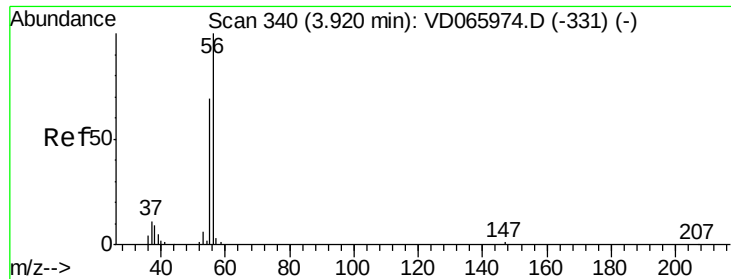


#12

1,1-Dichloroethene
 Concen: 21.238 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD065995.D
 Acq: 22 Jul 2020 12:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	61225		
61	61	140.9	115.4	173.0	
98	98	58.7	51.5	77.3	





#13

Acrolein

Concen: 102.505 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

Tot Ion: 56 Resp: 24502

Ion Ratio Lower Upper

56 100

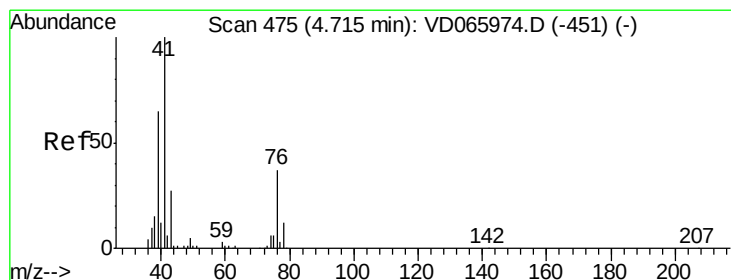
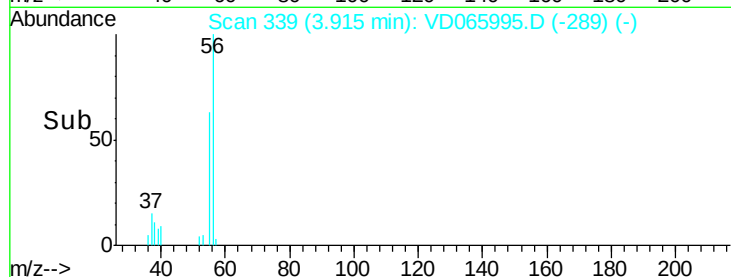
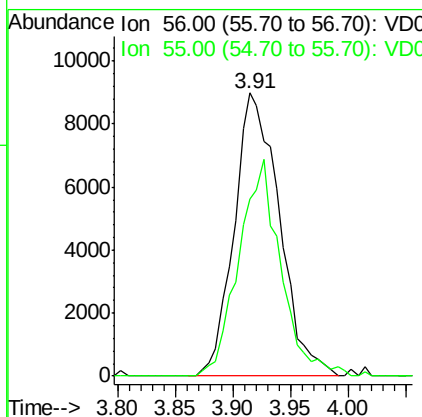
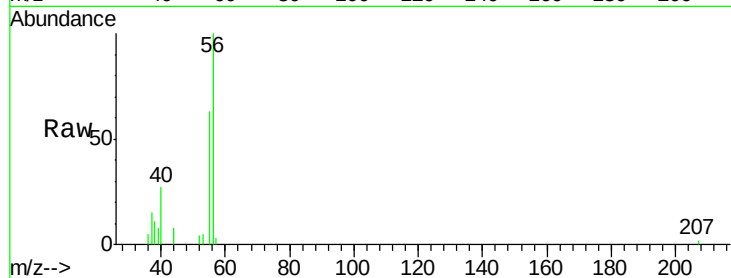
55 71.0 55.8 83.8

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#14

Allyl chloride

Concen: 21.515 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

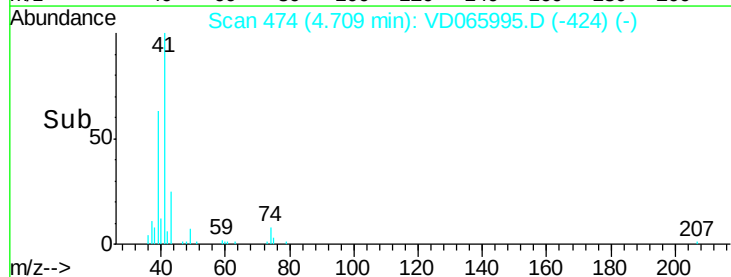
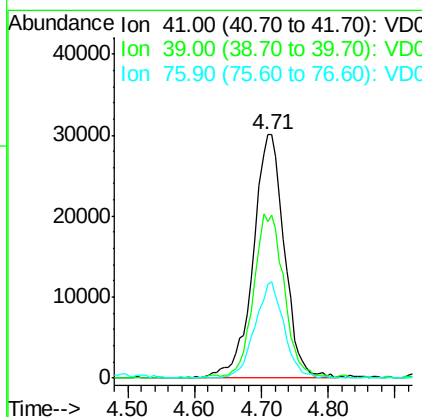
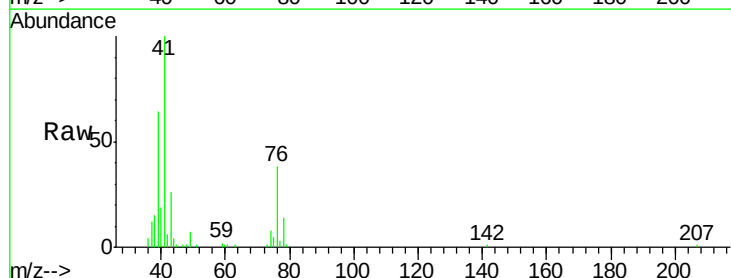
Tgt Ion: 41 Resp: 96957

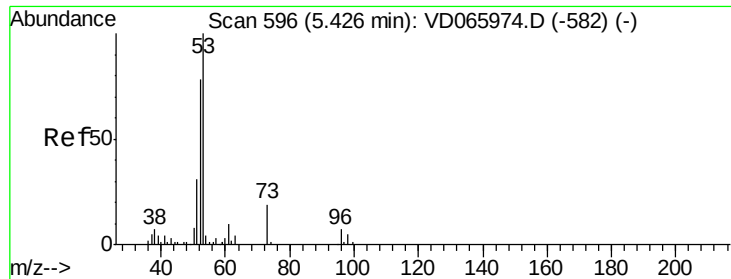
Ion Ratio Lower Upper

41 100

39 63.7 53.4 80.2

76 36.6 29.1 43.7





#15

Acrylonitrile

Concen: 103.954 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Instrument :

MSVOA_D

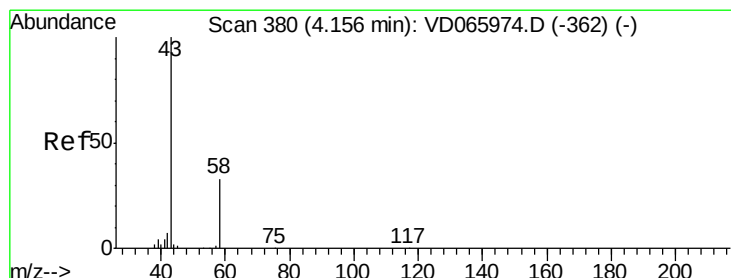
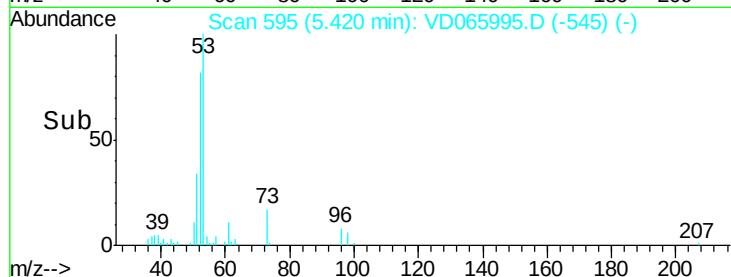
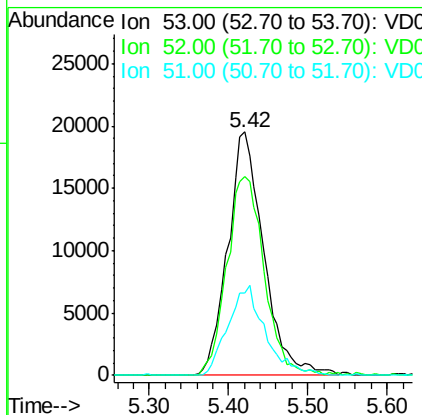
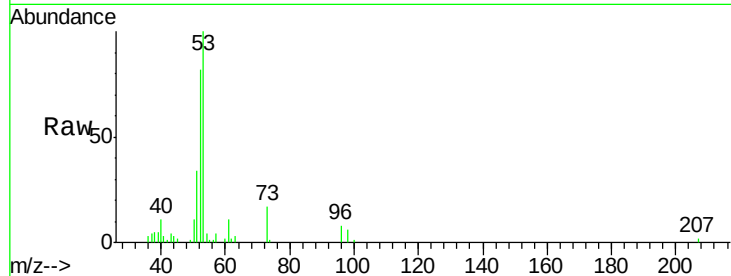
ClientSampleId :

VD0722SBS01

Tot Ion:	53	Resp:	61400
Ion	Ratio	Lower	Upper
53	100		
52	84.5	67.1	100.7
51	38.0	28.7	43.1

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#16

Acetone

Concen: 91.168 ug/l

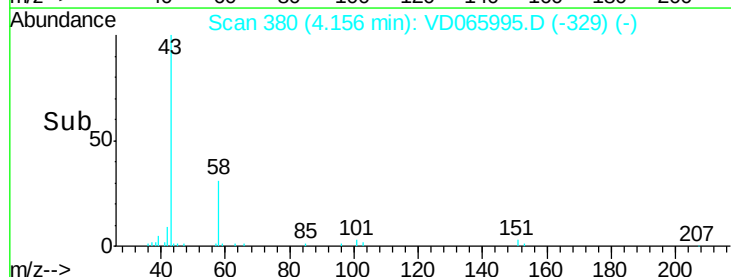
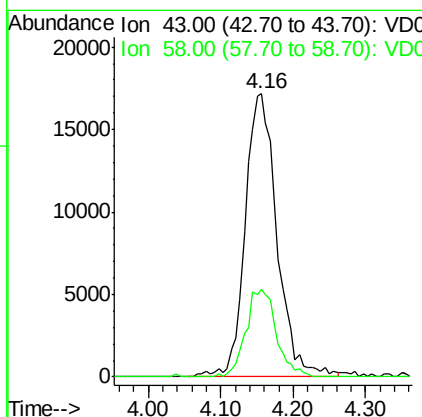
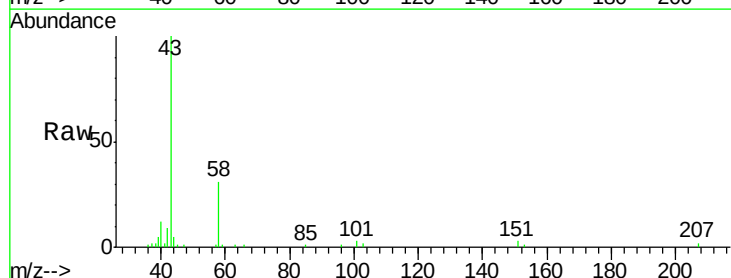
RT: 4.16 min Scan# 380

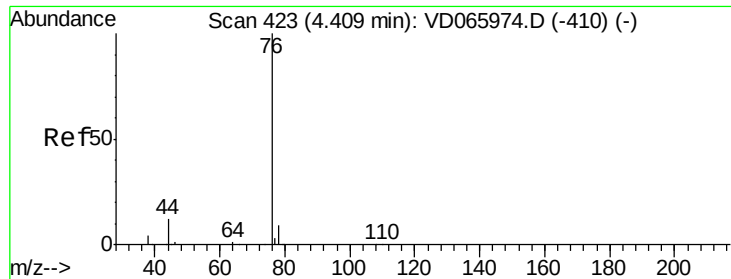
Delta R.T. -0.00 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Tgt Ion:	43	Resp:	52355
Ion	Ratio	Lower	Upper
43	100		
58	31.1	26.3	39.5





#17

Carbon Disulfide

Concen: 21.077 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

Tot Ion: 76 Resp: 197091

Ion Ratio Lower Upper

76 100

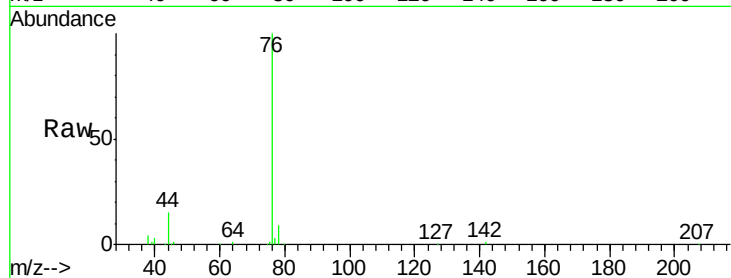
78 8.6 7.4 11.2

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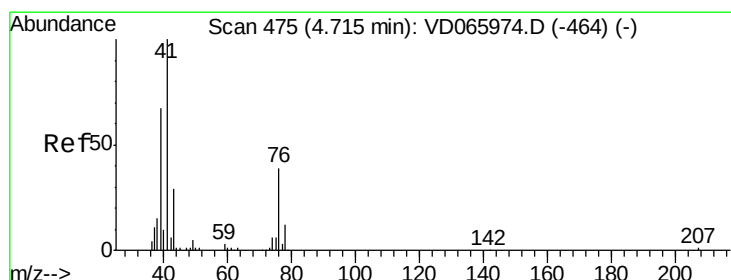
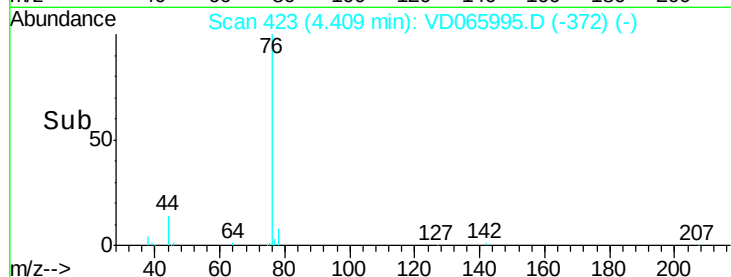
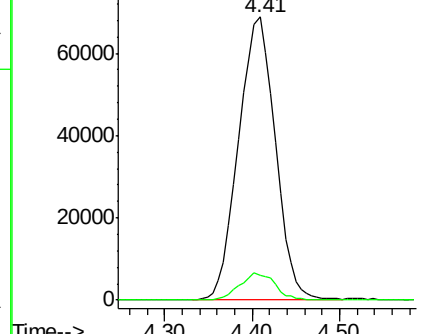
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 20.630 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065995.D

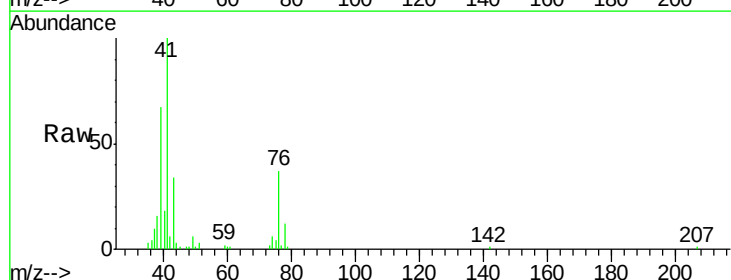
Acq: 22 Jul 2020 12:16

Tgt Ion: 43 Resp: 27560

Ion Ratio Lower Upper

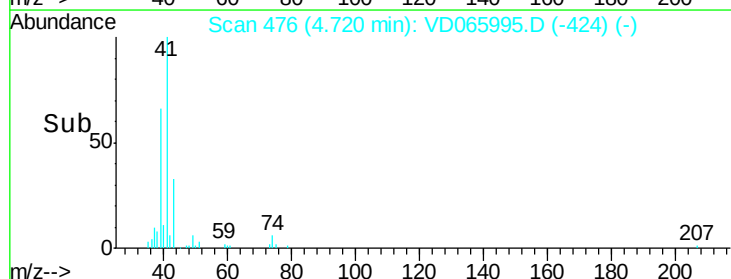
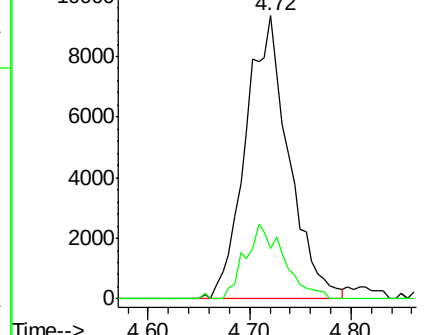
43 100

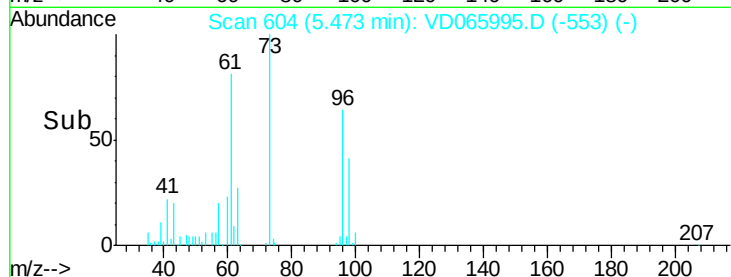
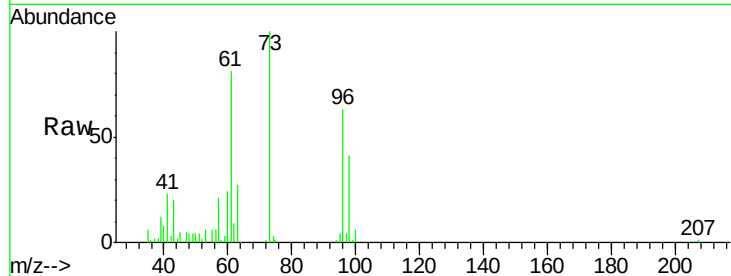
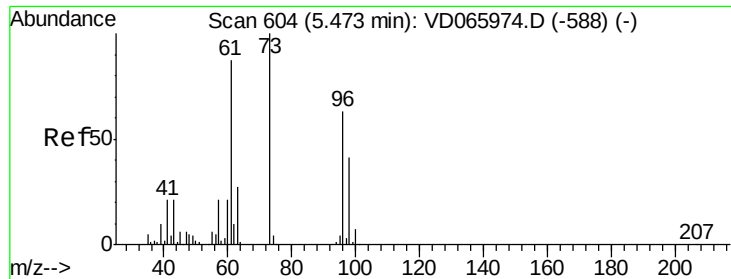
74 24.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





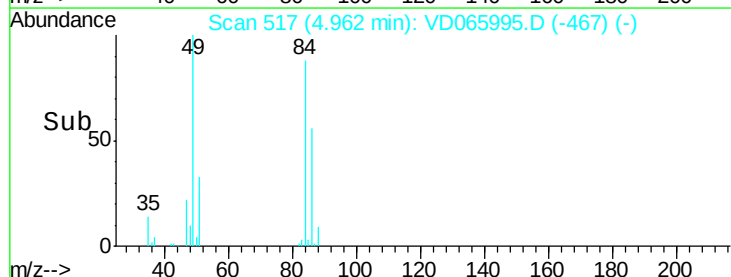
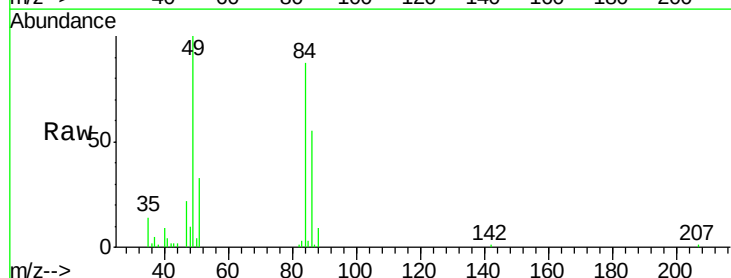
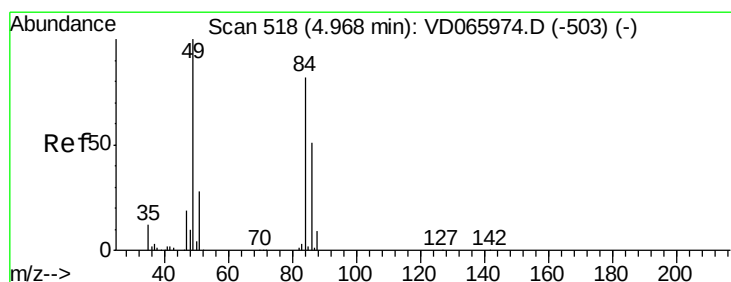
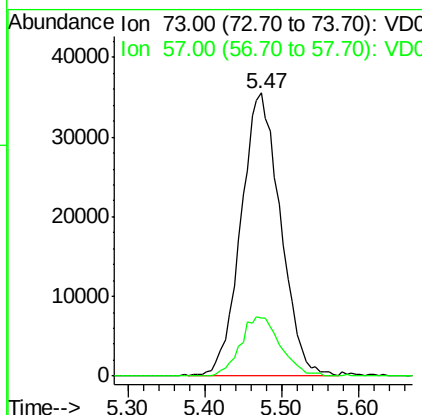
#19
Methyl tert-butyl Ether
Concen: 21.513 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Tot Ion: 73 Resp: 127427
Ion Ratio Lower Upper
73 100
57 20.5 17.0 25.4

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

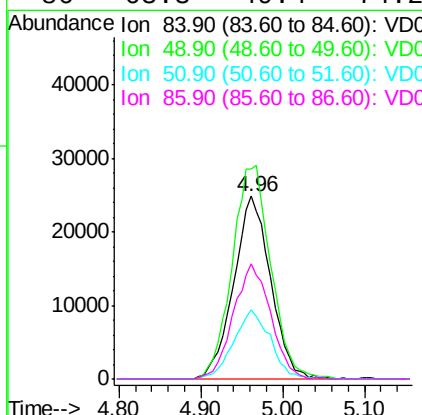
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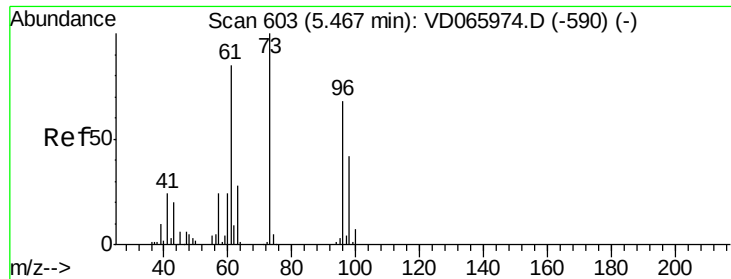
MMDadoda
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#20
Methylene Chloride
Concen: 23.037 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Tgt Ion: 84 Resp: 78227
Ion Ratio Lower Upper
84 100
49 114.8 97.7 146.5
51 37.9 27.4 41.2
86 63.3 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 21.026 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Instrument :

MSVOA_D

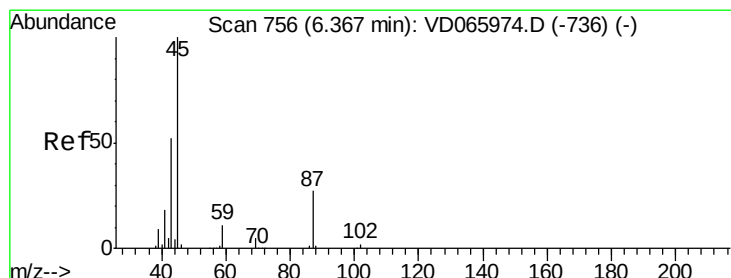
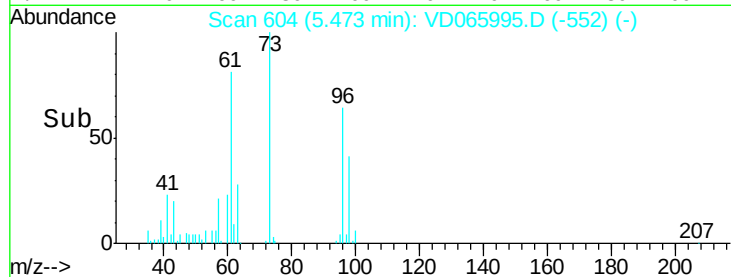
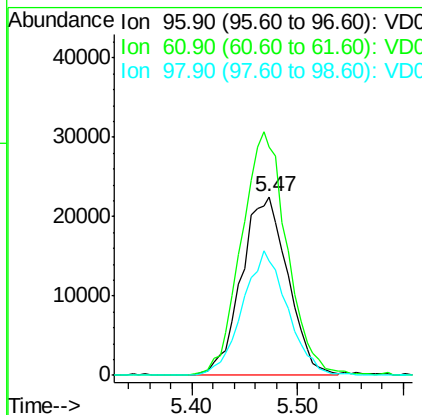
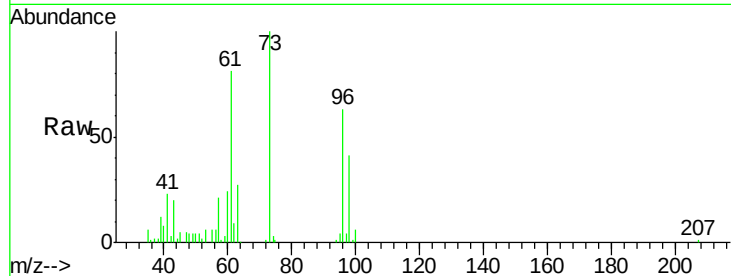
ClientSampleId :

VD0722SBS01

Tot Ion:	96	Resp:	68507
Ion	Ratio	Lower	Upper
96	100		
61	128.1	100.5	150.7
98	64.2	49.7	74.5

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#22

Diisopropyl ether

Concen: 22.665 ug/l

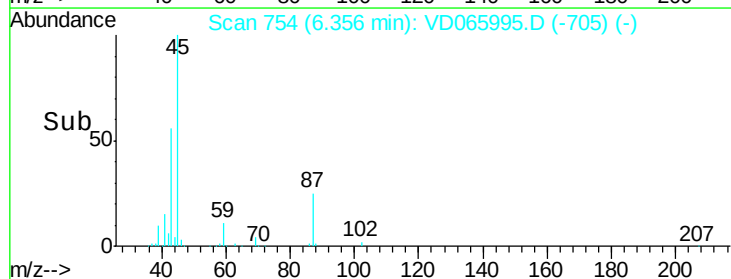
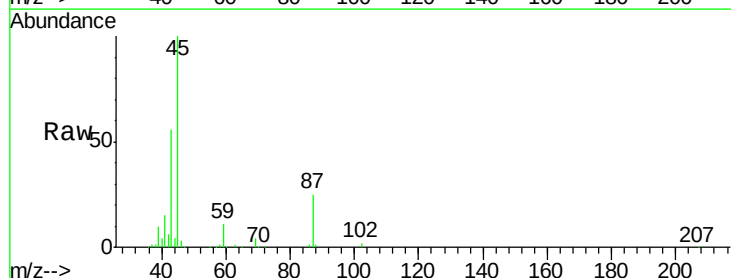
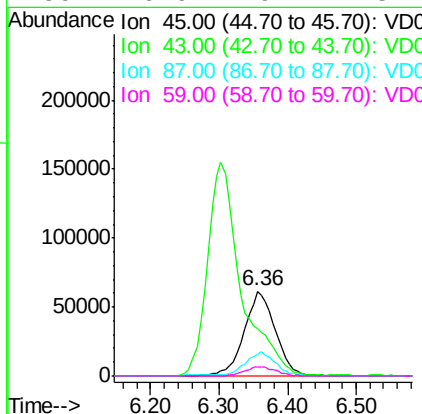
RT: 6.36 min Scan# 754

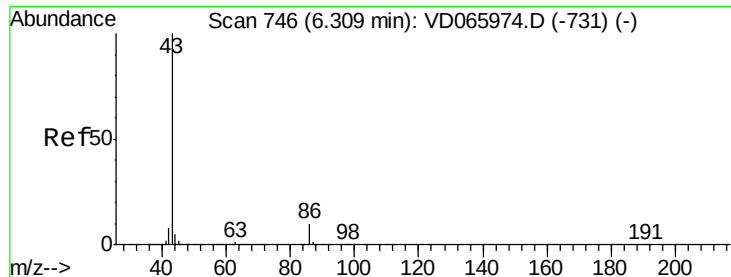
Delta R.T. -0.01 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Tgt Ion:	45	Resp:	194045
Ion	Ratio	Lower	Upper
45	100		
43	55.0	43.0	64.4
87	25.5	22.0	33.0
59	10.9	9.1	13.7





#23

Vinyl Acetate

Concen: 109.089 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

Tot Ion: 43 Resp: 526718

Ion Ratio Lower Upper

43 100

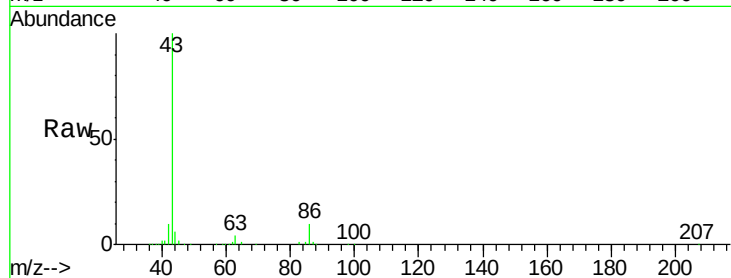
86 10.3 7.9 11.9

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

150000

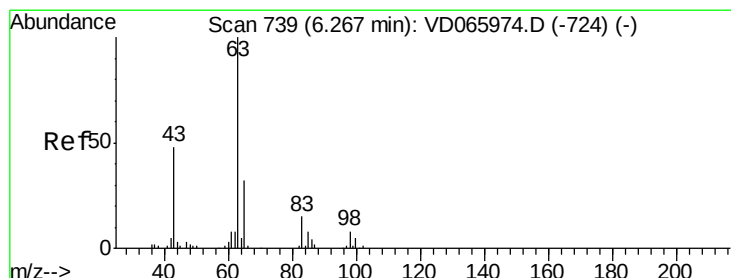
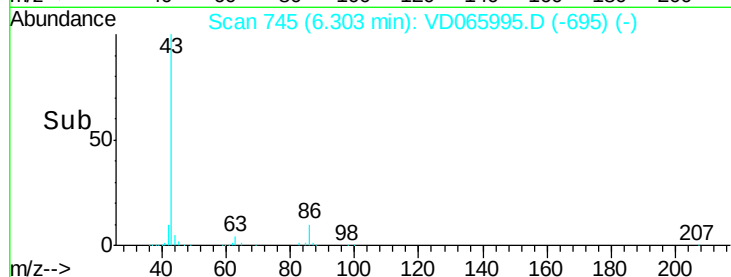
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 21.993 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

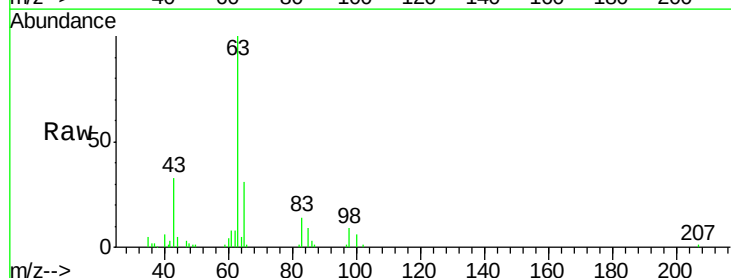
Tgt Ion: 63 Resp: 114086

Ion Ratio Lower Upper

63 100

98 9.2 4.3 12.8

100 5.7 2.5 7.5



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

50000

40000

30000

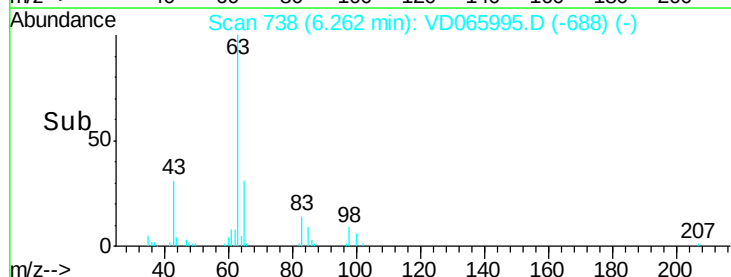
20000

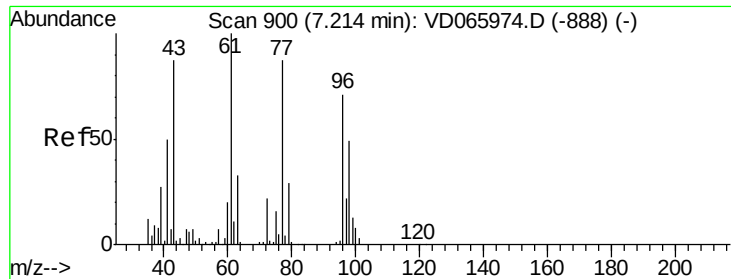
10000

0

6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 100.351 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

Tot Ion: 43 Resp: 76468

Ion Ratio Lower Upper

43 100

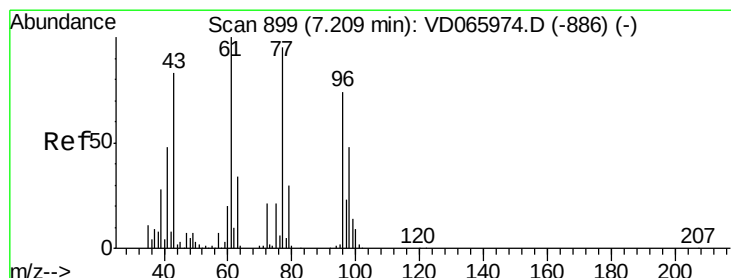
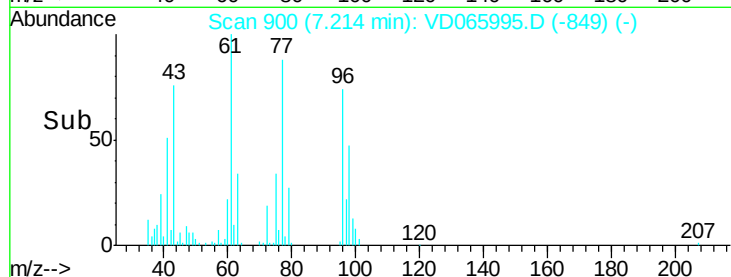
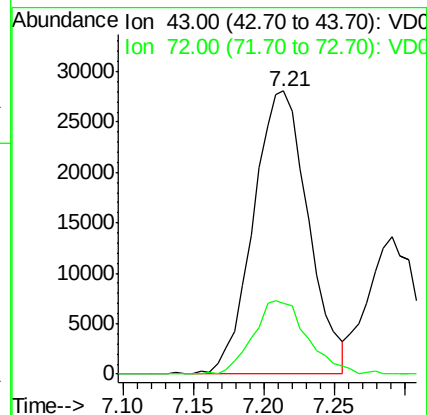
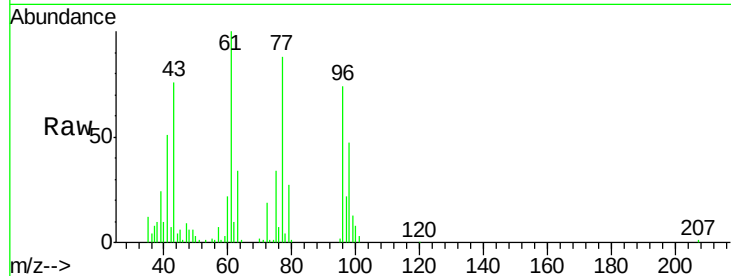
72 25.2 20.2 30.2

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#26

2,2-Dichloropropane

Concen: 22.257 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD065995.D

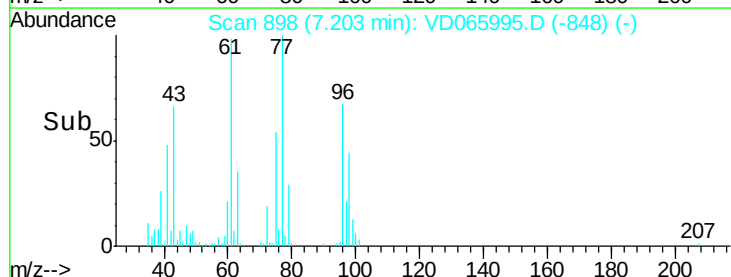
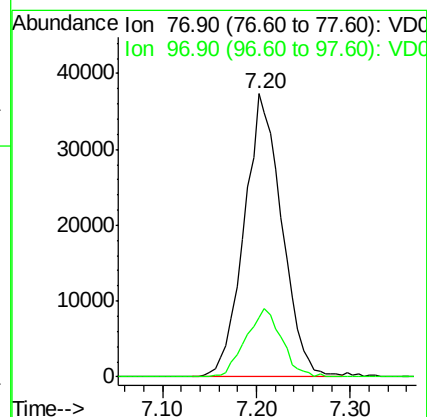
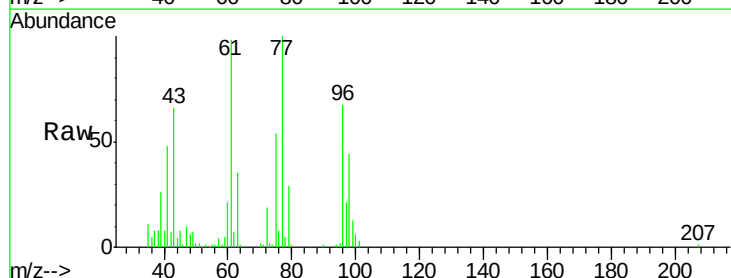
Acq: 22 Jul 2020 12:16

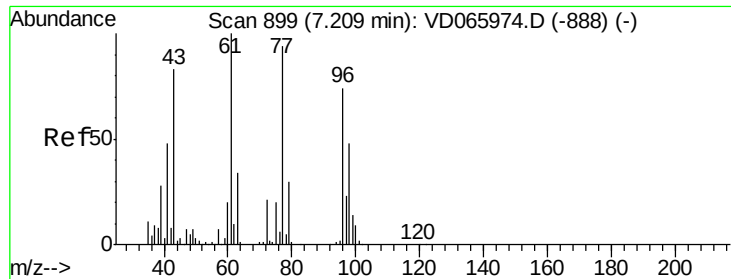
Tgt Ion: 77 Resp: 103825

Ion Ratio Lower Upper

77 100

97 22.9 11.6 34.7





#27

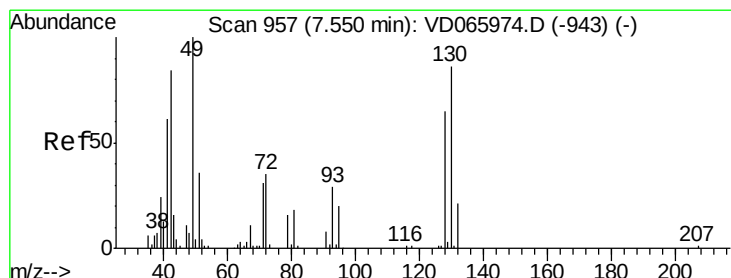
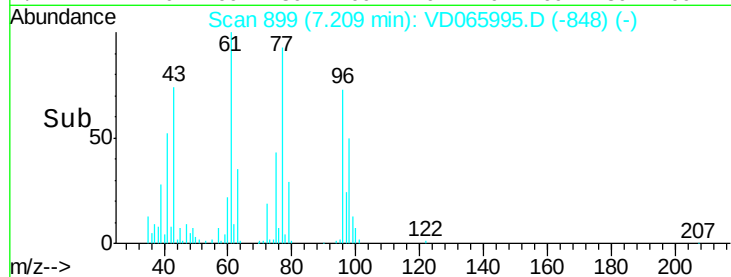
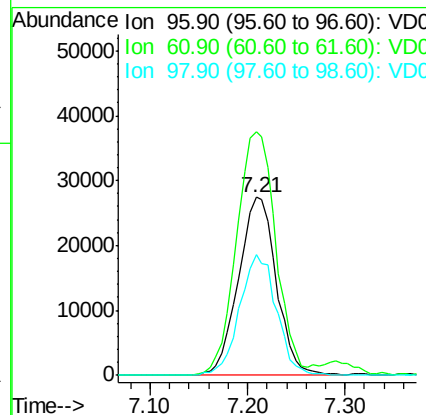
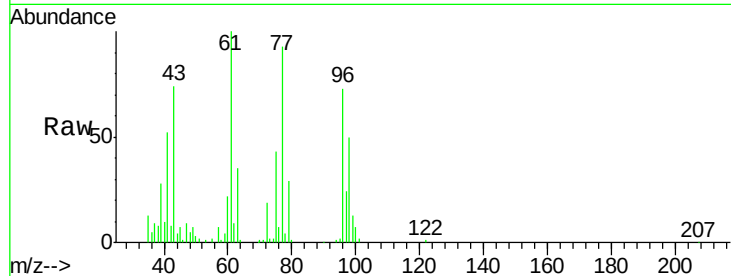
cis-1,2-Dichloroethene
Concen: 21.575 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	276.6
98	65.7	0.0	130.8

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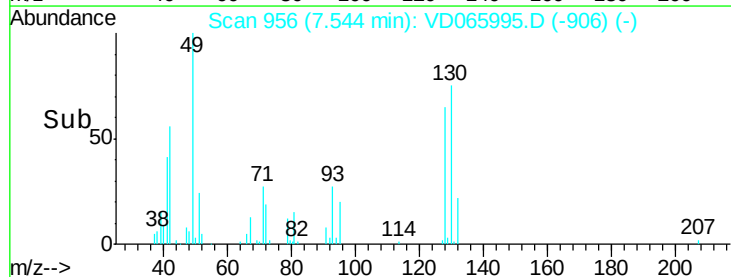
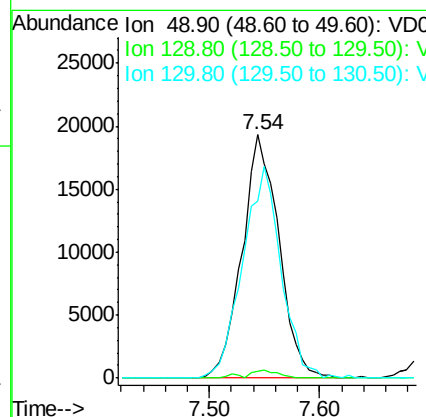
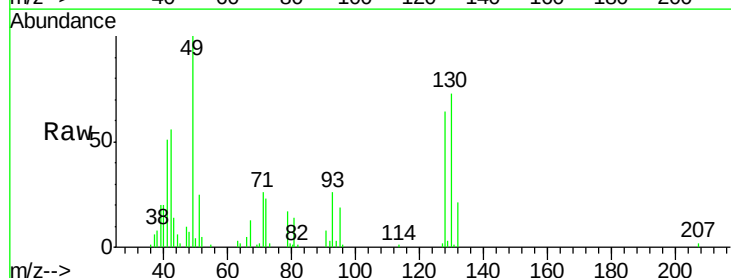
MMDadoda
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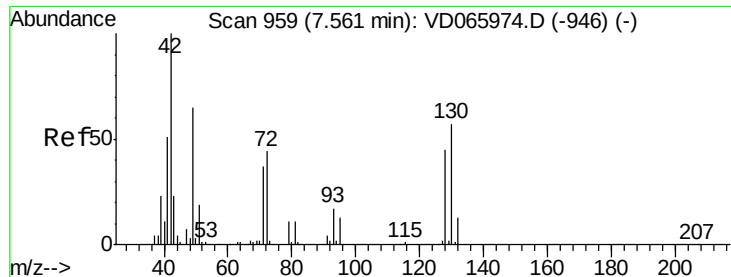


#28

Bromochloromethane
Concen: 20.622 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.8
130	90.2	68.4	102.6





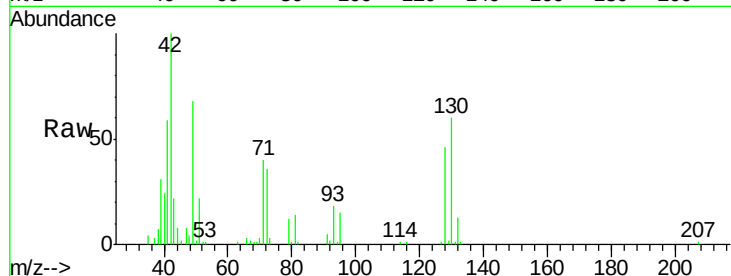
#29
Tetrahydrofuran
Concen: 104.907 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

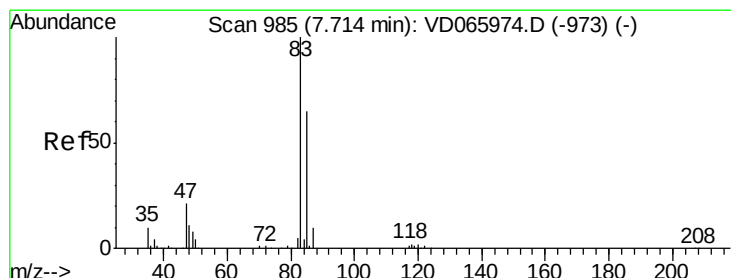
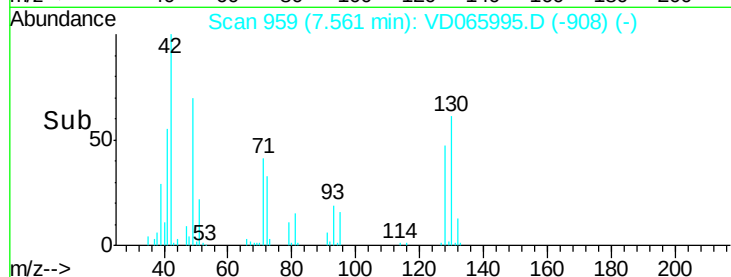
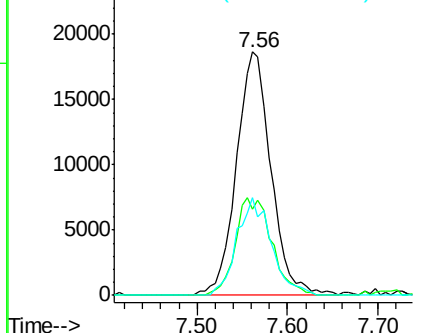
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.2	51.2
71	40.0	31.4	47.2

Manual Integrations
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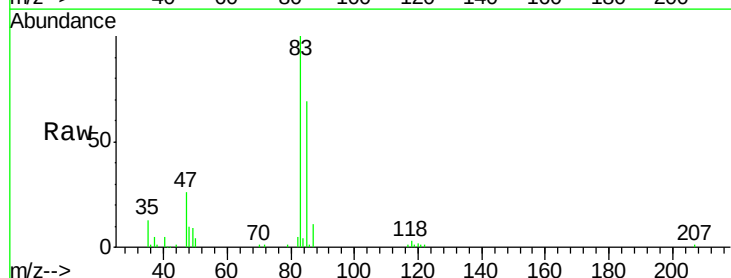


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

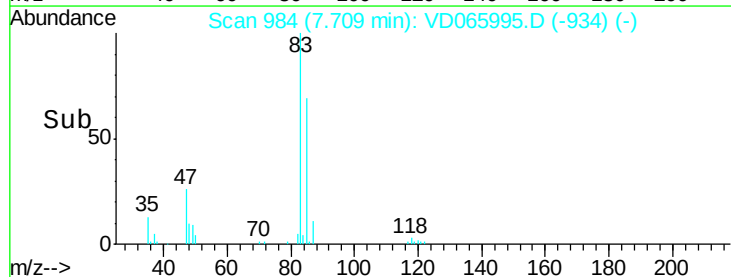
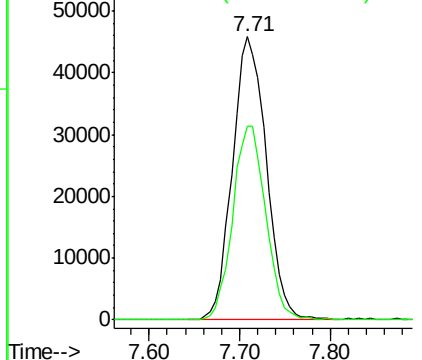


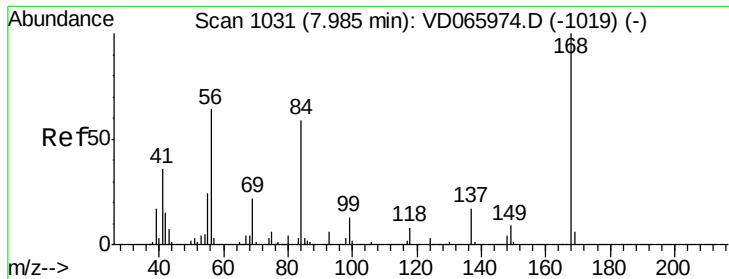
#30
Chloroform
Concen: 21.876 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.6	52.1	78.1



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 20.479 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Instrument :

MSVOA_D

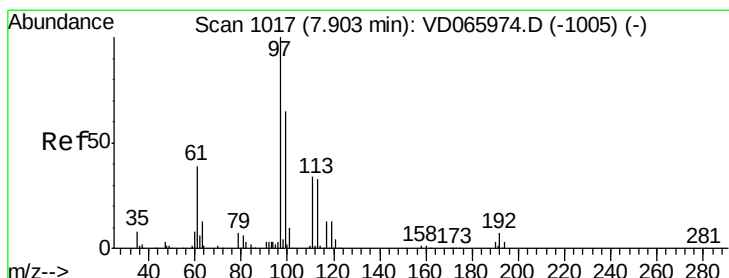
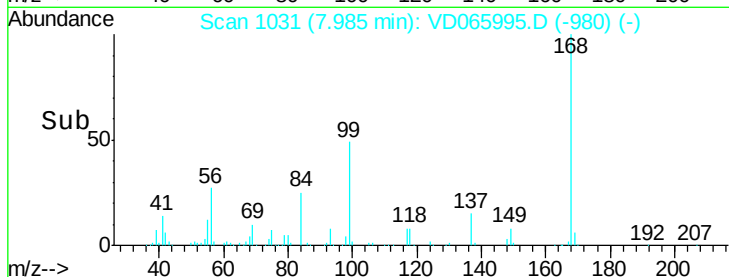
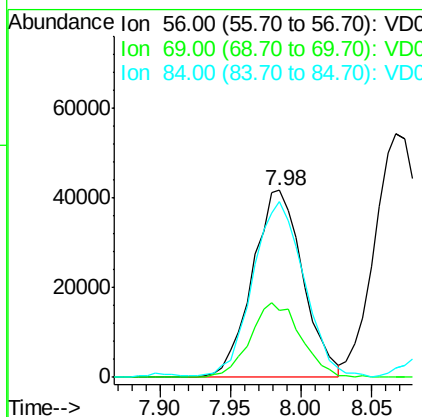
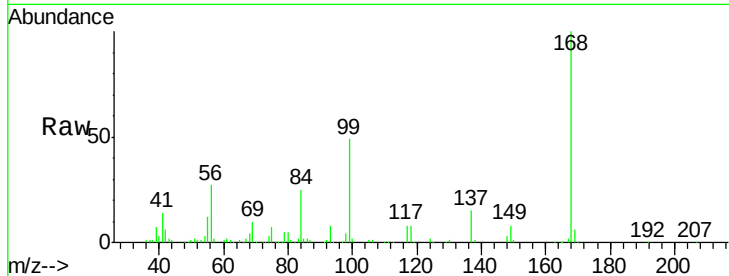
ClientSampleId :

VD0722SBS01

Tot Ion	56	Resp	104515
Ion Ratio	Lower	Upper	
56	100		
69	36.2	28.0	42.0
84	93.0	72.6	109.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.015 ug/l

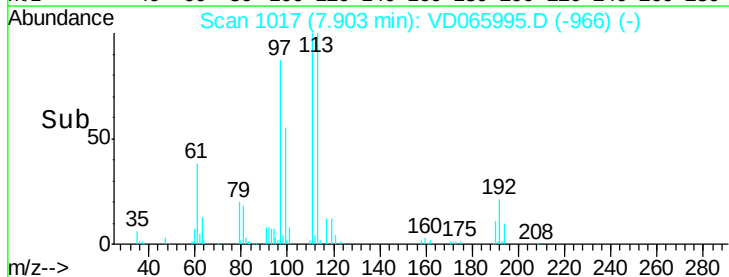
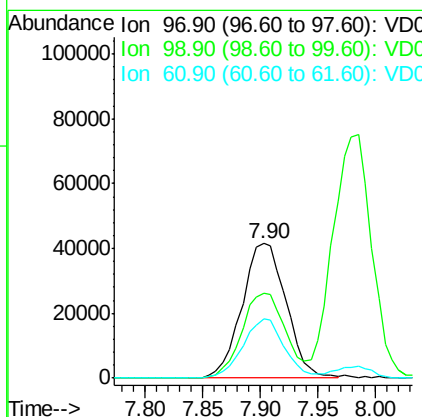
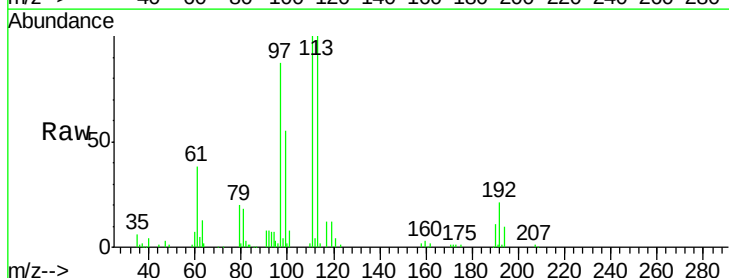
RT: 7.90 min Scan# 1017

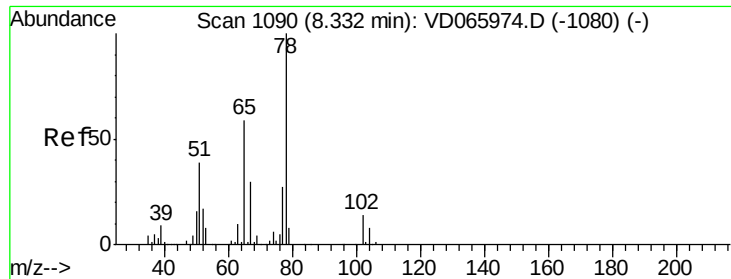
Delta R.T. -0.00 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Tgt Ion	97	Resp	110499
Ion Ratio	Lower	Upper	
97	100		
99	62.4	51.8	77.6
61	41.2	33.3	49.9





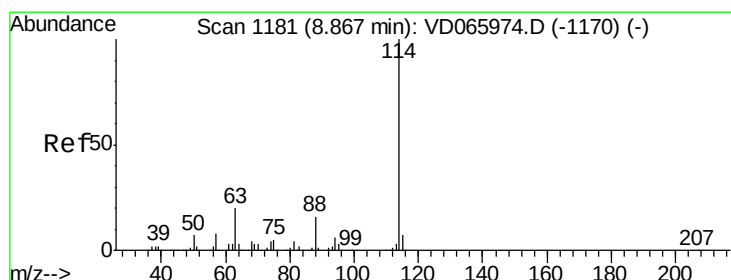
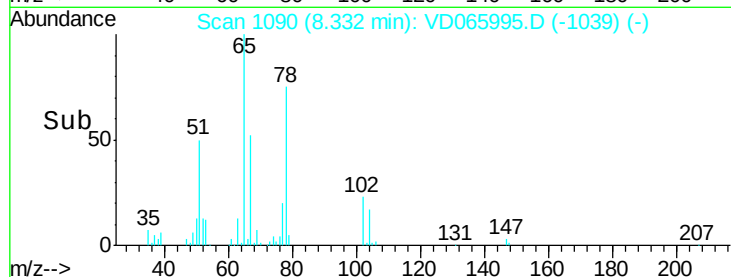
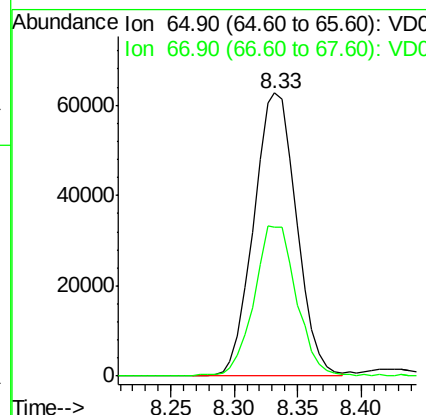
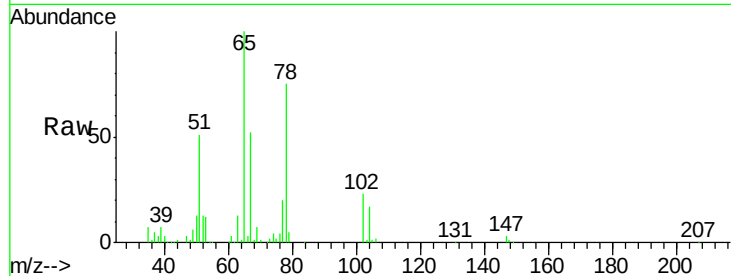
#33
 1,2-Dichloroethane-d4
 Concen: 51.888 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065995.D
 Acq: 22 Jul 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	147210		
67	52.7	0.0	105.0	

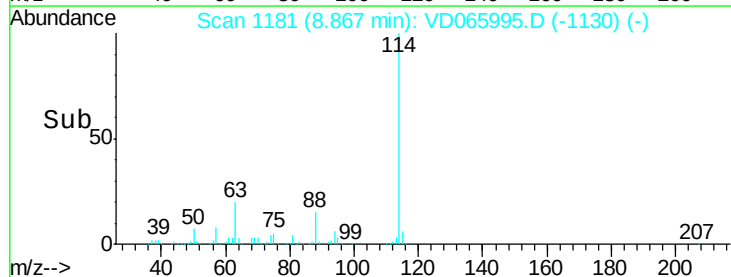
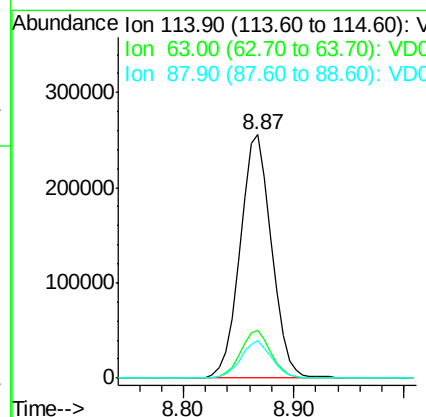
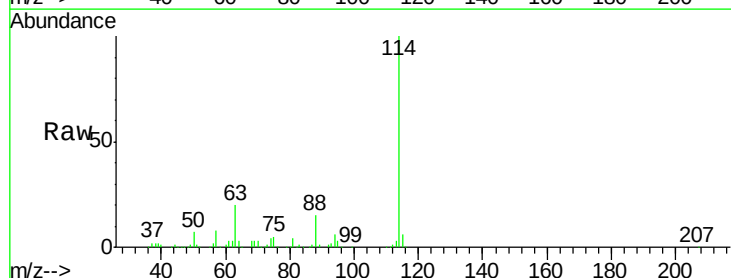
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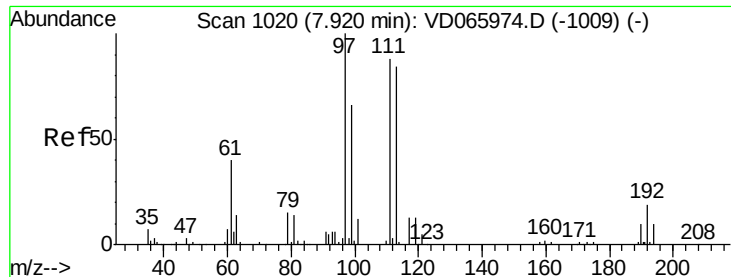
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065995.D
 Acq: 22 Jul 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	513256		
63	19.8	0.0	39.6	
88	15.3	0.0	31.2	





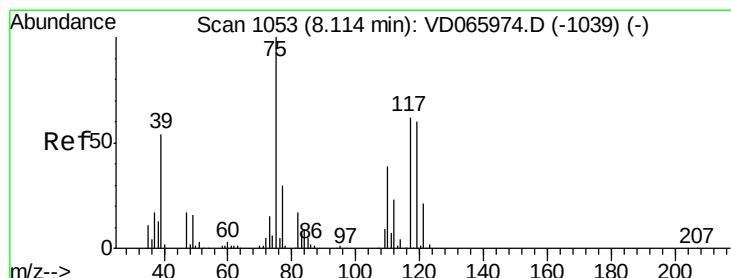
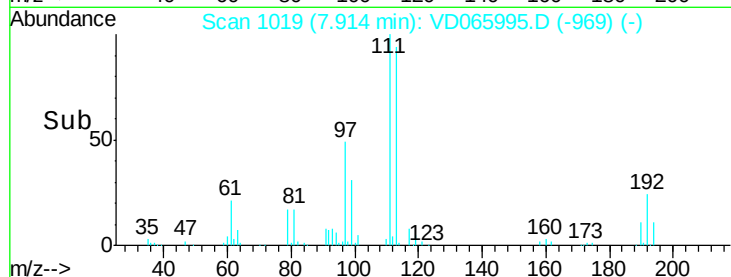
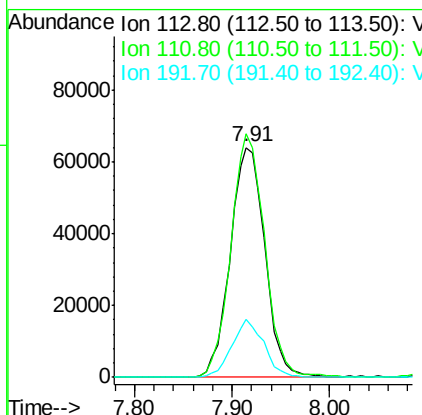
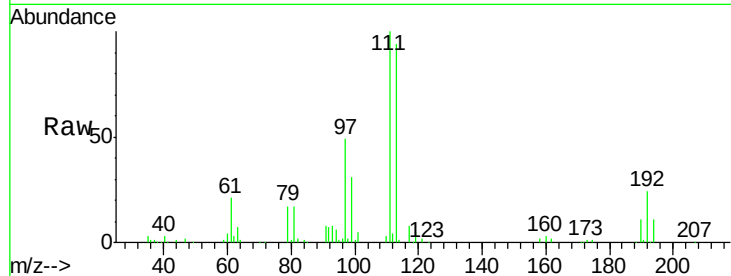
#35
 Dibromofluoromethane
 Concen: 50.627 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065995.D
 Acq: 22 Jul 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	157605		
111	103.8	83.2	124.8	
192	23.5	18.7	28.1	

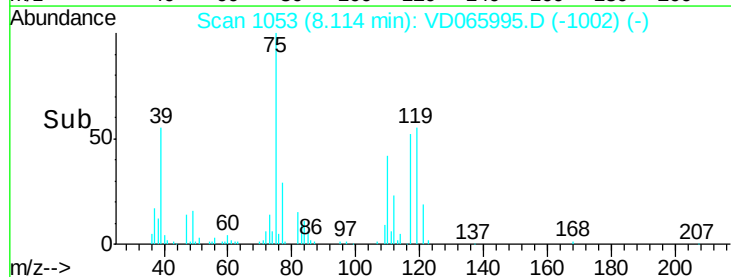
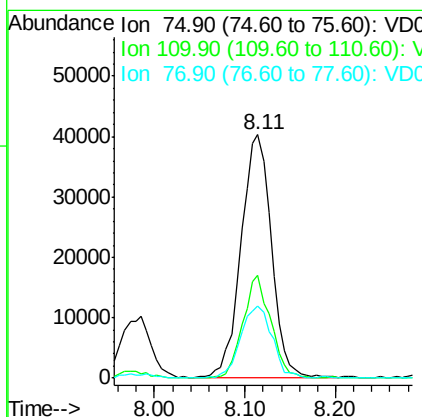
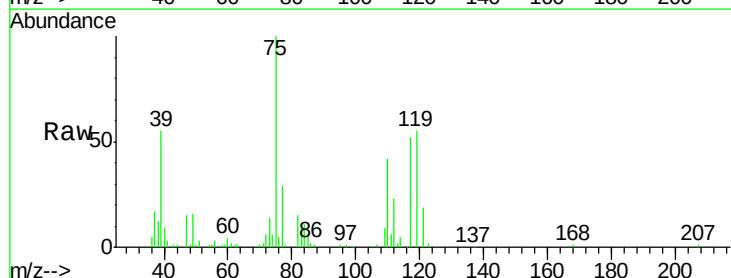
Manual Integrations
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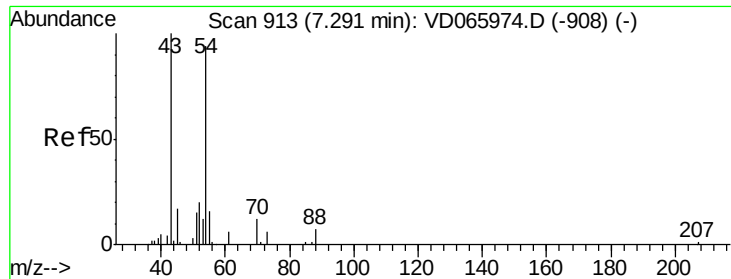
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 21.531 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065995.D
 Acq: 22 Jul 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	94313		
110	38.2	19.5	58.5	
77	30.6	24.7	37.1	





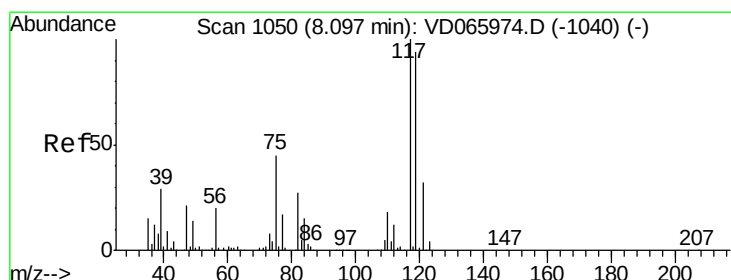
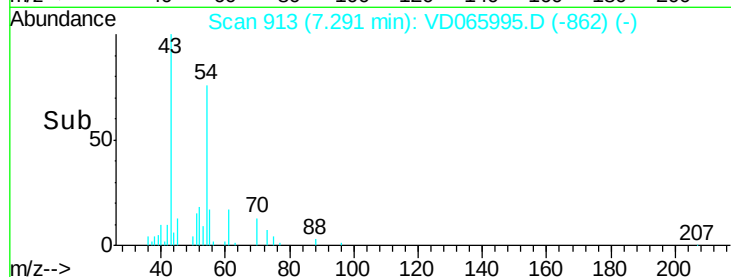
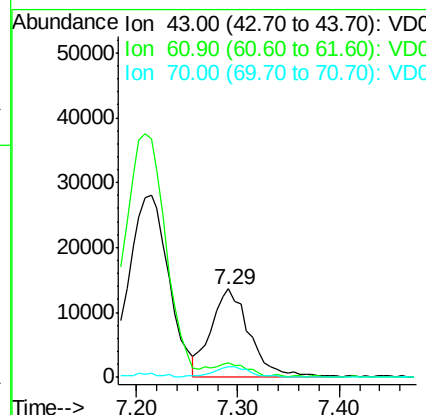
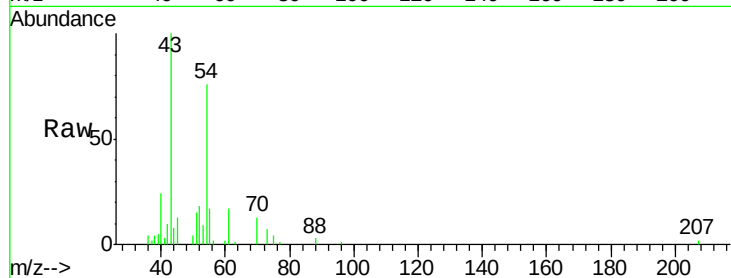
#37
Ethyl Acetate
Concen: 21.621 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.4	11.4	17.0
70	11.8	9.3	13.9

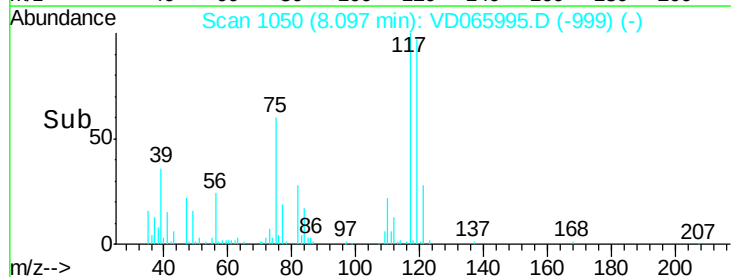
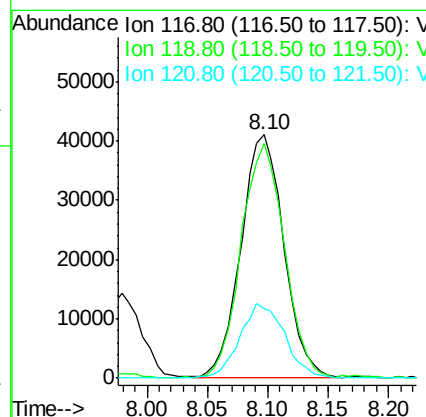
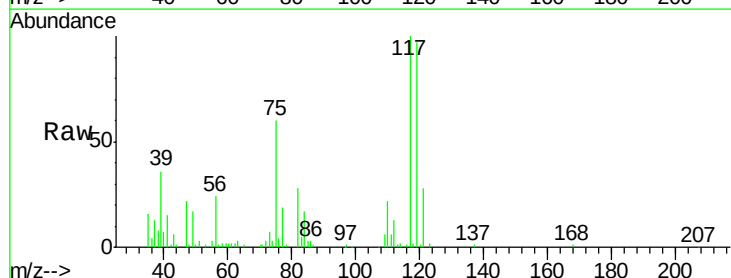
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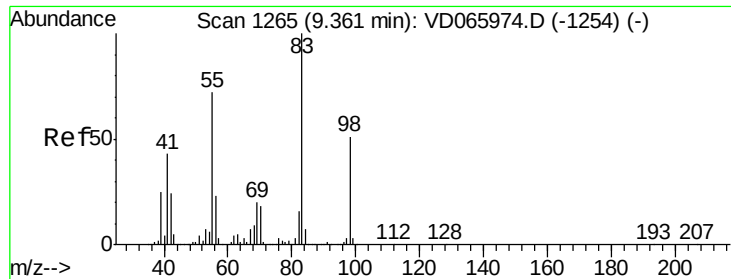
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#38
Carbon Tetrachloride
Concen: 21.289 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.0	112.6
121	28.6	25.5	38.3





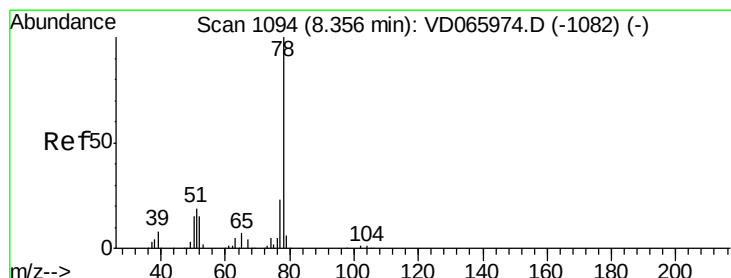
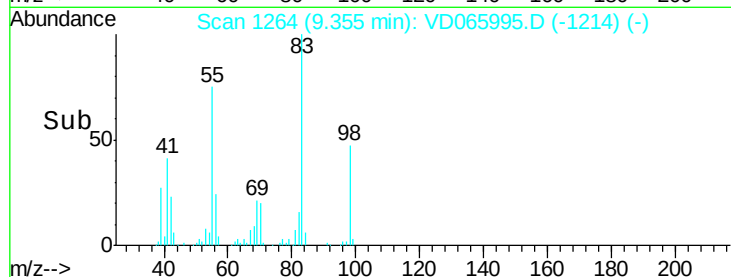
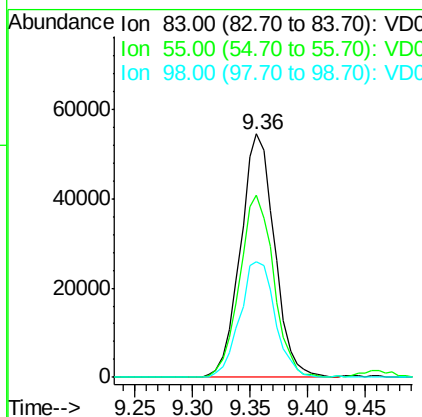
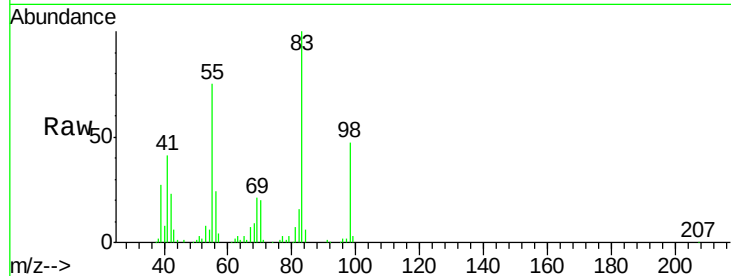
#39
Methylvlcyclohexane
Concen: 21.076 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion	83	Resp	111802
Ion Ratio	Lower	Upper	
83	100		
55	74.8	57.3	85.9
98	47.5	41.0	61.6

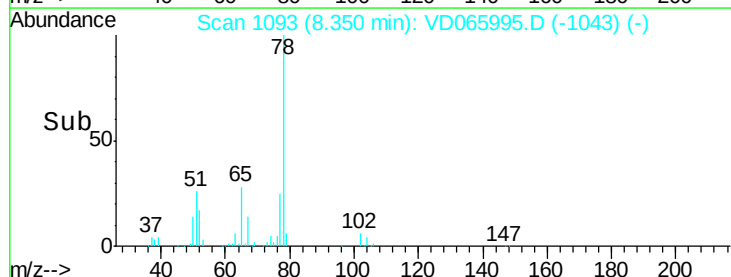
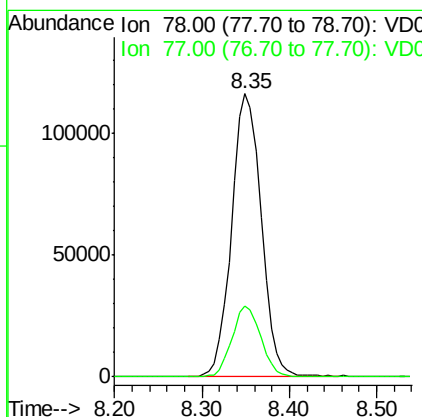
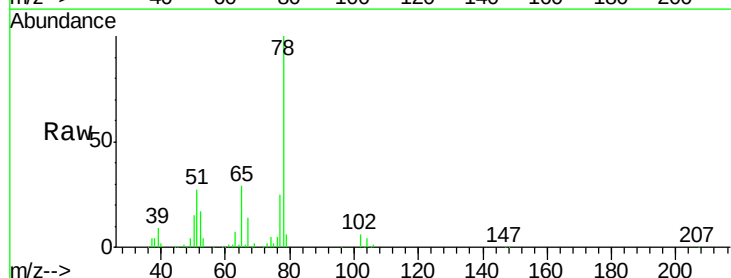
Manual Integrations
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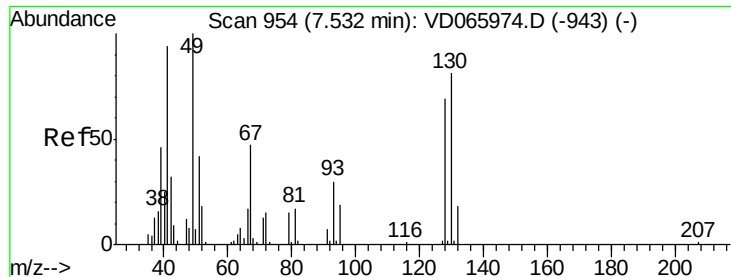
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#40
Benzene
Concen: 21.790 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Tgt Ion	78	Resp	267030
Ion Ratio	Lower	Upper	
78	100		
77	25.2	18.6	27.8





#41

Methacrylonitrile

Concen: 15.561 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

Tot Ion: 41 Resp: 14912

Ion Ratio Lower Upper

41 100

39 63.9 0.0 0.0#

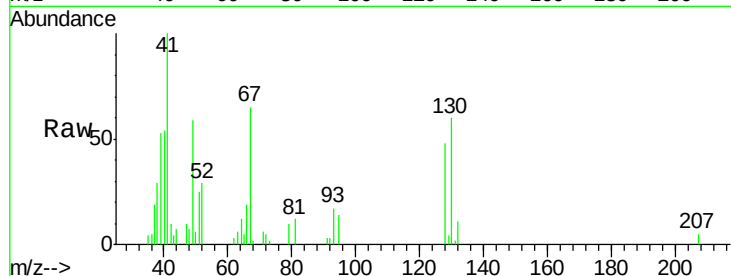
67 107.0 0.0 0.0#

52 42.4 0.0 0.0#

Manual Integrations
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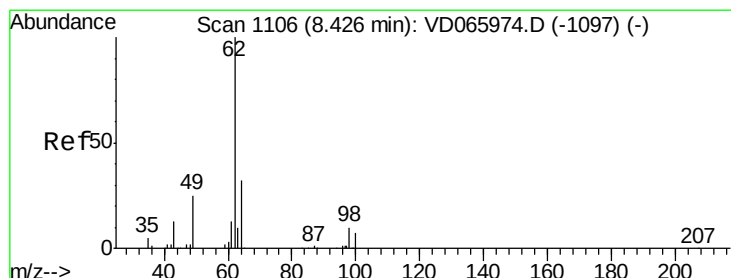
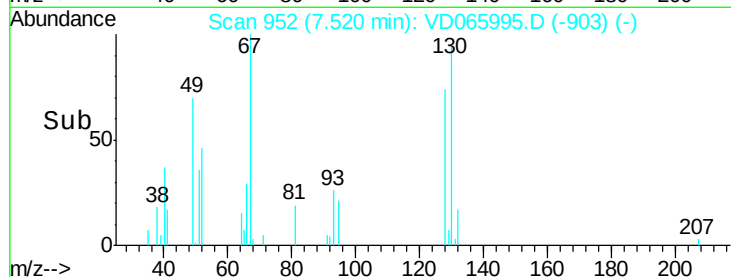
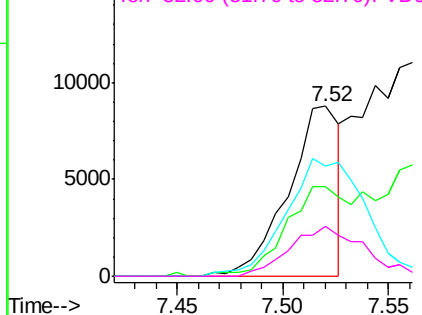


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.769 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD065995.D

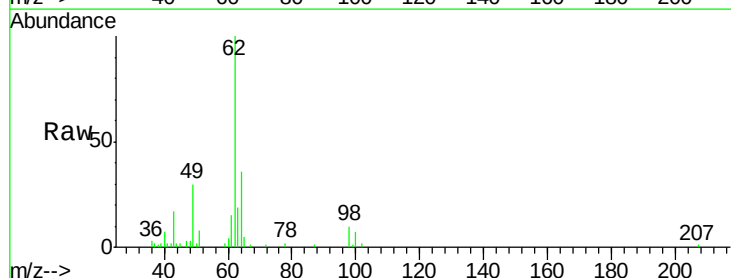
Acq: 22 Jul 2020 12:16

Tgt Ion: 62 Resp: 73102

Ion Ratio Lower Upper

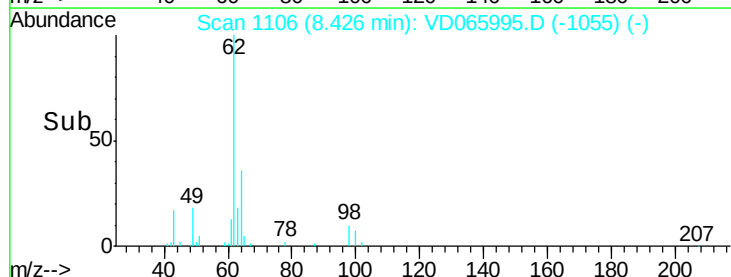
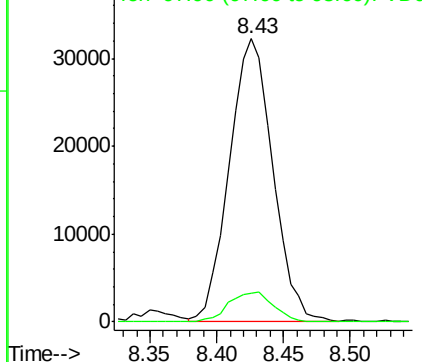
62 100

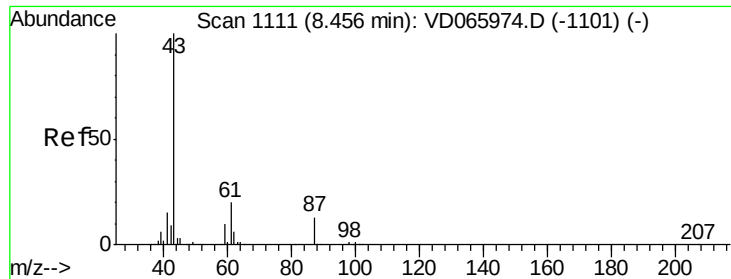
98 10.9 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.434 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Instrument :

MSVOA_D

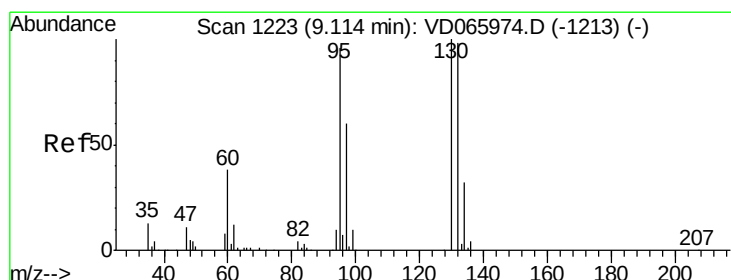
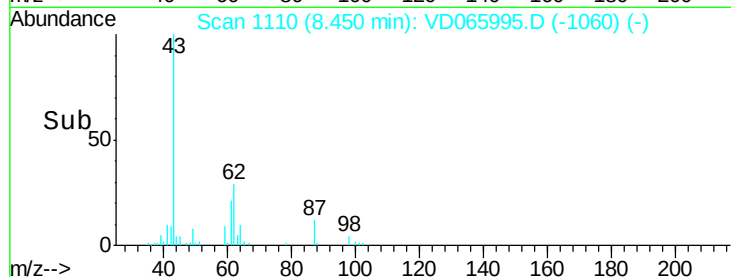
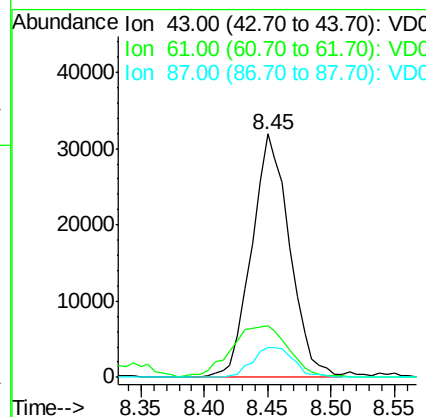
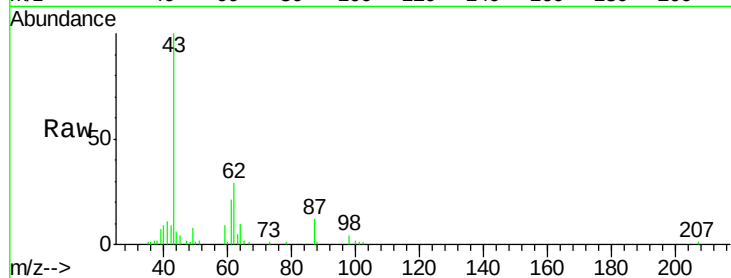
ClientSampleId :

VD0722SBS01

Tot Ion:	43	Resp:	66765
Ion	Ratio	Lower	Upper
43	100		
61	32.1	25.8	38.8
87	13.3	10.9	16.3

Manual Integrations
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MMDadoda
7/23/2020 2:14:33 PM



#44

Trichloroethene

Concen: 21.461 ug/l

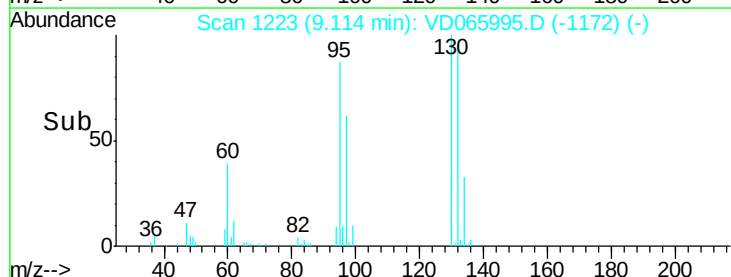
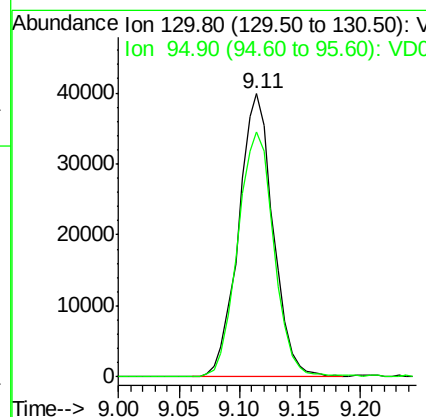
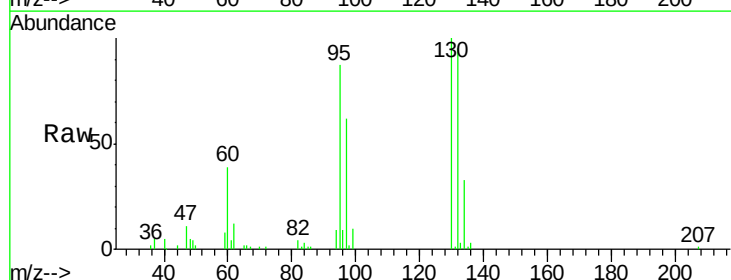
RT: 9.11 min Scan# 1223

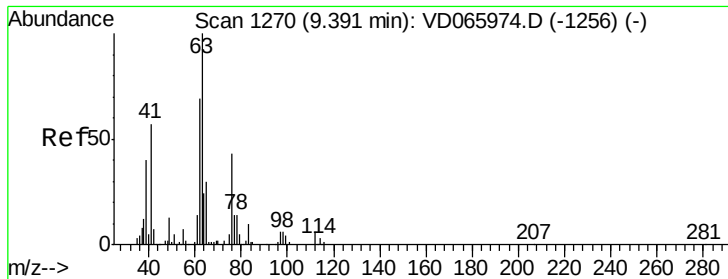
Delta R.T. -0.00 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Tgt Ion:	130	Resp:	79589
Ion	Ratio	Lower	Upper
130	100		
95	86.7	0.0	191.6





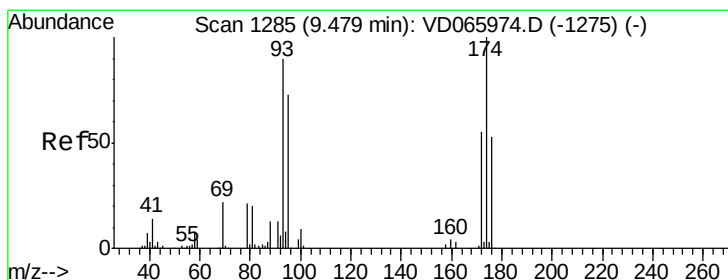
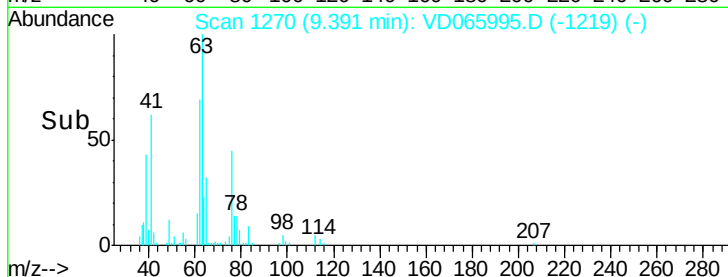
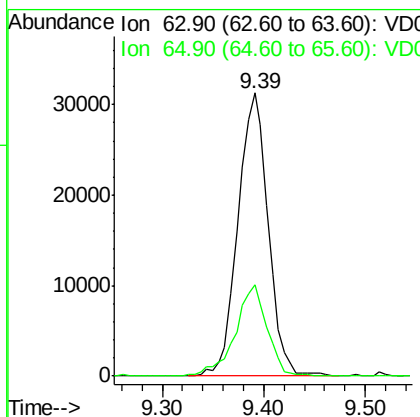
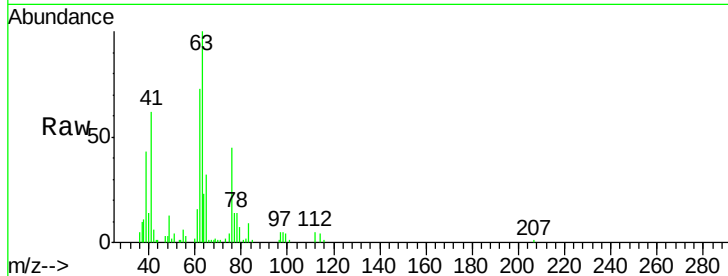
#45
 1,2-Dichloropropane
 Concen: 21.766 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065995.D
 Acq: 22 Jul 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Tot Ion	63	Resp	64602
Ion Ratio	Lower	Upper	
63	100		
65	32.1	24.0	36.0

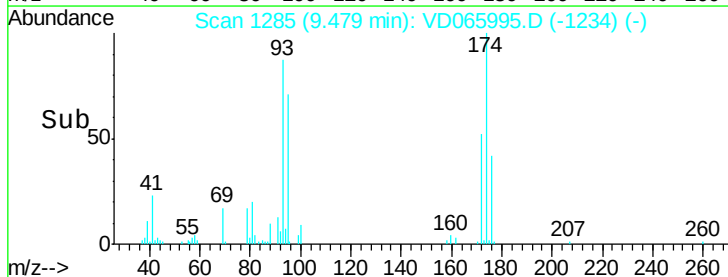
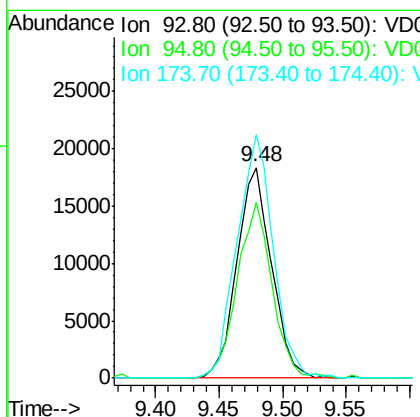
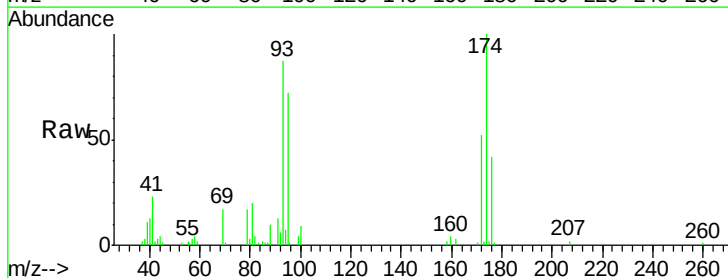
Manual Integrations
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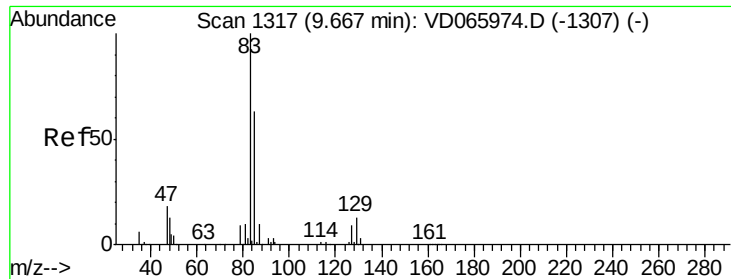
MMDadoda
 7/23/2020 2:14:33 PM



#46
 Dibromomethane
 Concen: 21.725 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065995.D
 Acq: 22 Jul 2020 12:16

Tgt Ion	93	Resp	34711
Ion Ratio	Lower	Upper	
93	100		
95	83.1	66.2	99.4
174	121.0	91.5	137.3





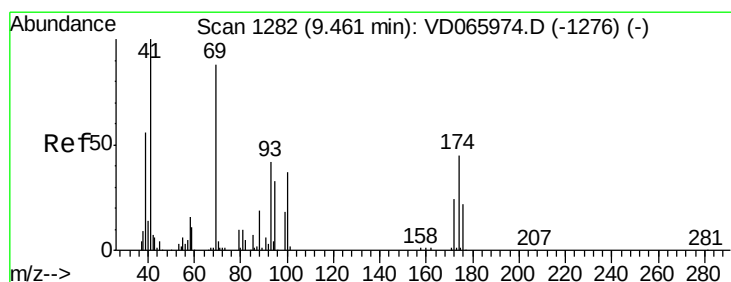
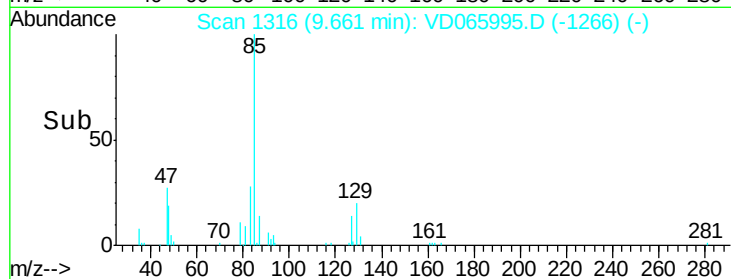
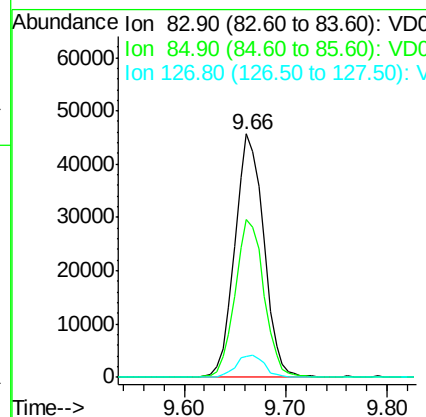
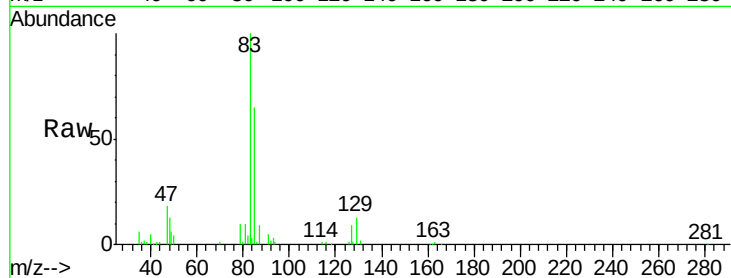
#47
Bromodichloromethane
Concen: 21.493 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.6	75.8
127	8.8	7.1	10.7

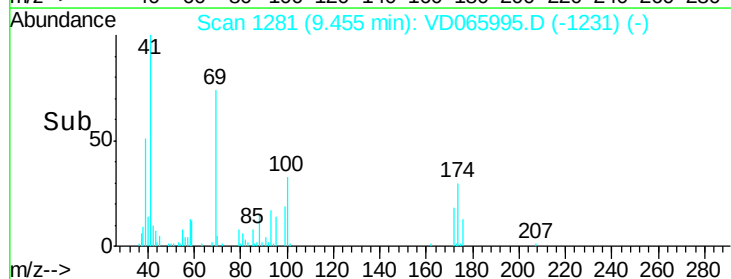
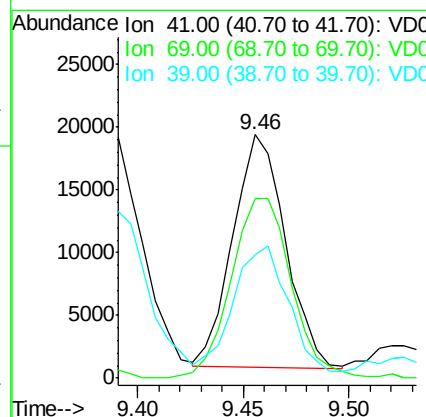
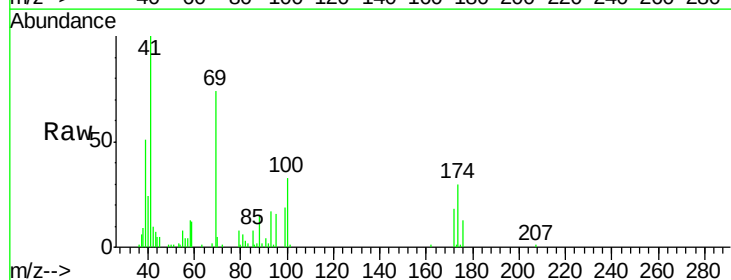
Manual Integrations
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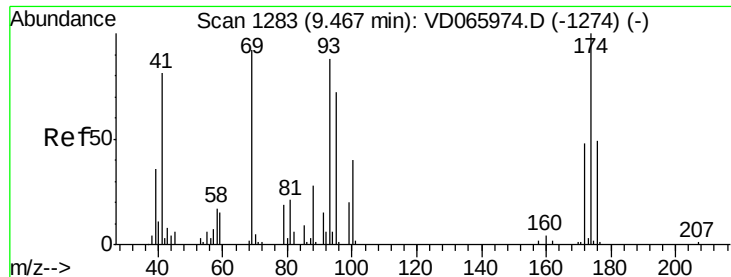
MMDadoda
7/23/2020 2:14:33 PM



#48
Methyl methacrylate
Concen: 19.417 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.3	65.1	97.7
39	55.4	41.5	62.3





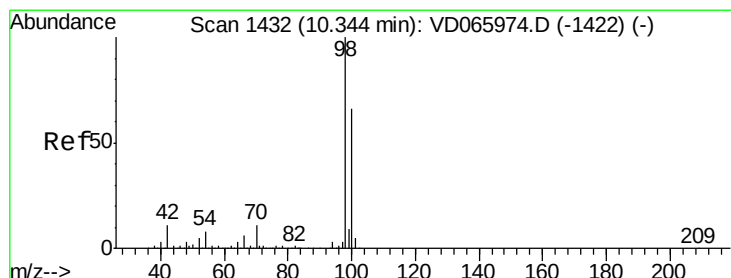
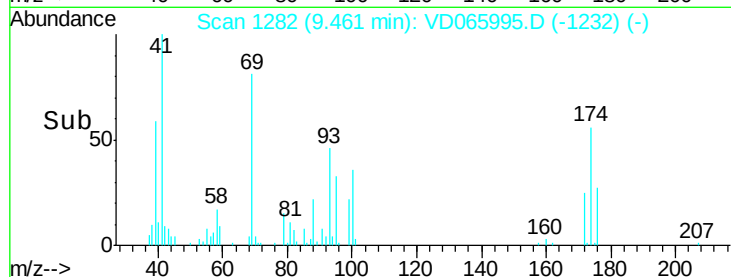
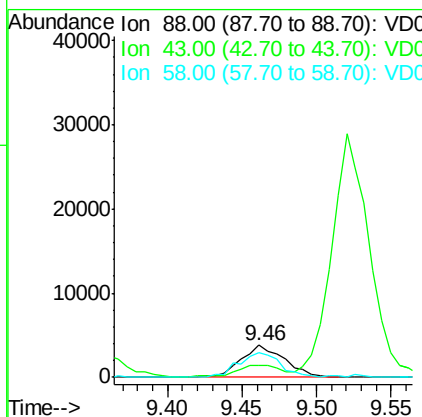
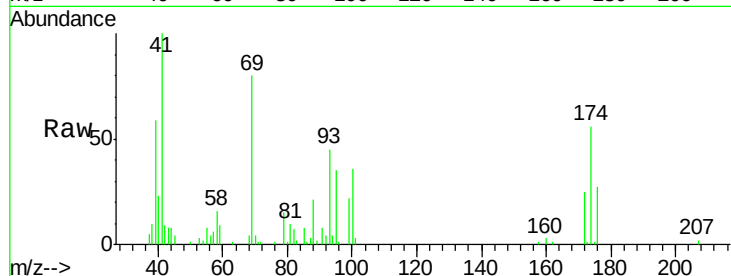
#49
1,4-Dioxane
Concen: 416.290 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion	88	Resp	7706
Ion	Ratio	Lower	Upper
88	100		
43	41.5	29.0	43.6
58	74.0	57.0	85.4

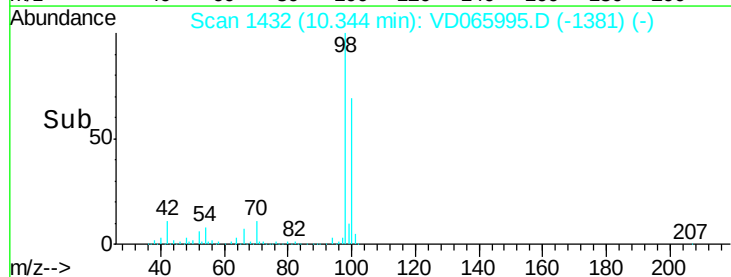
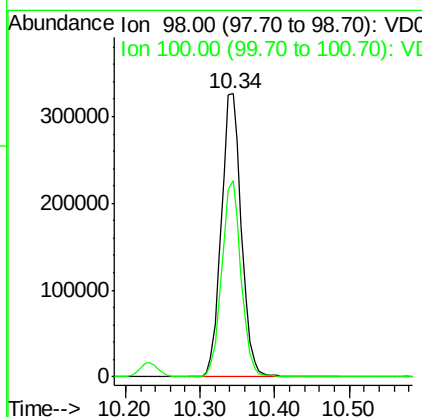
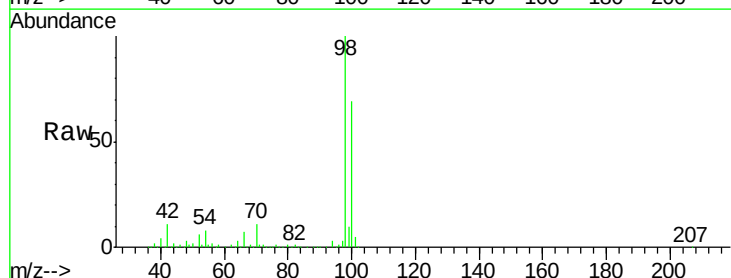
Manual Integrations
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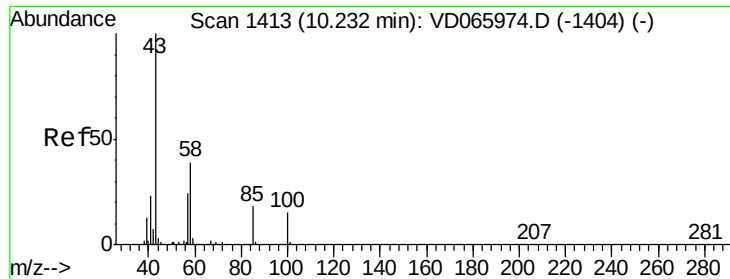
MMDadoda
7/23/2020 2:14:33 PM



#50
Toluene-d8
Concen: 52.678 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Tgt Ion	98	Resp	610903
Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.7	79.1





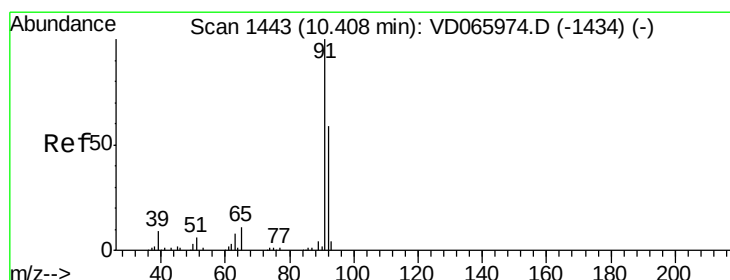
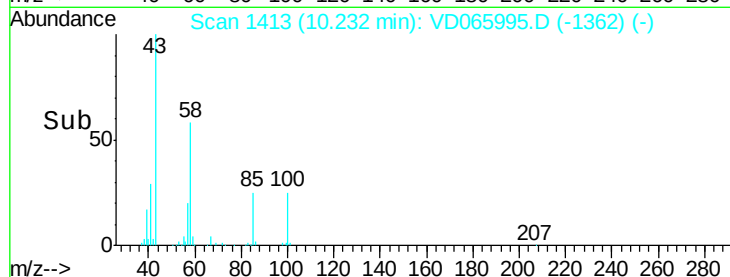
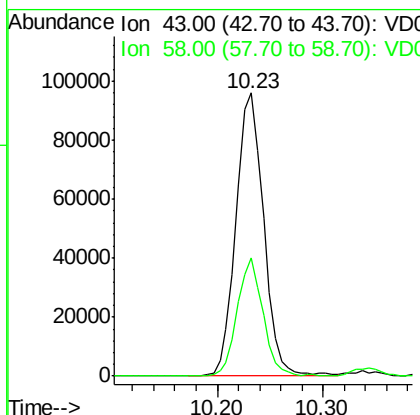
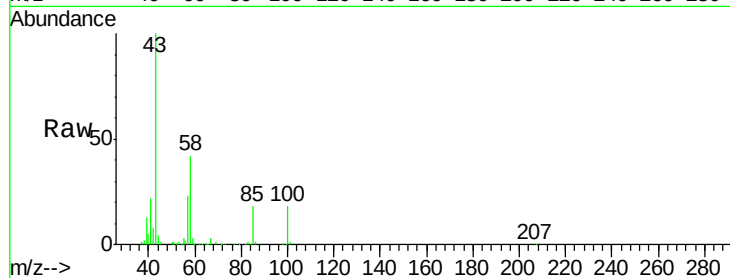
#51
4-Methyl-2-Pentanone
Concen: 106.247 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion	43	Resp	174912
Ion Ratio	100	Lower	Upper
43	100		
58	38.5	31.3	46.9

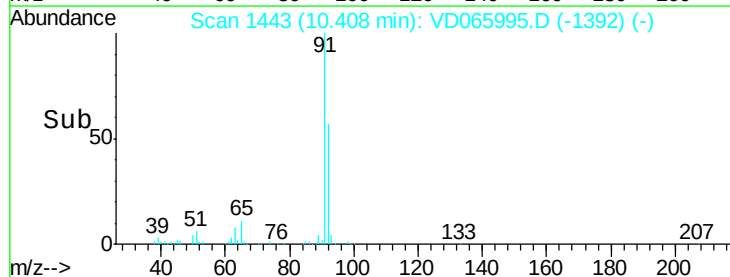
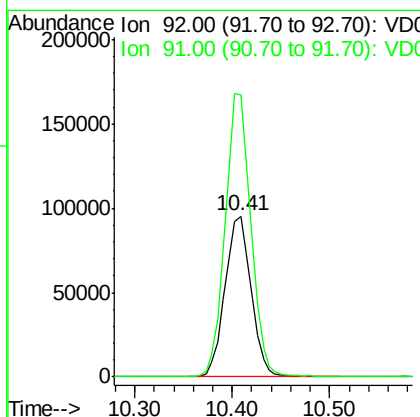
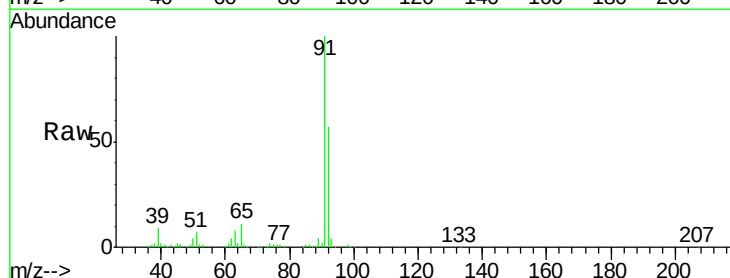
Manual Integrations
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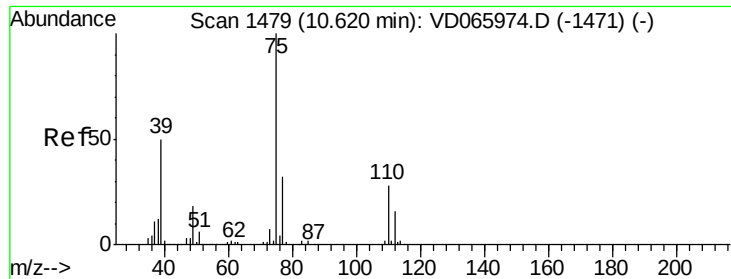
MMDadoda
7/23/2020 2:14:33 PM



#52
Toluene
Concen: 22.164 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Tgt Ion	92	Resp	177128
Ion Ratio	100	Lower	Upper
92	100		
91	174.0	134.5	201.7





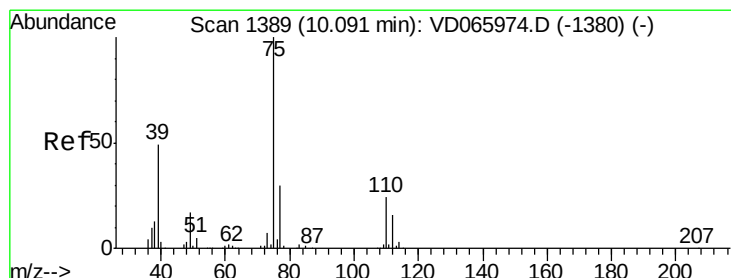
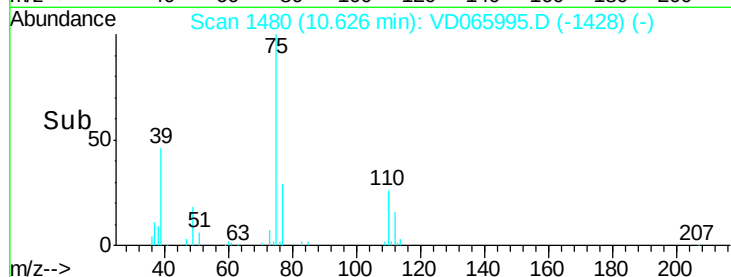
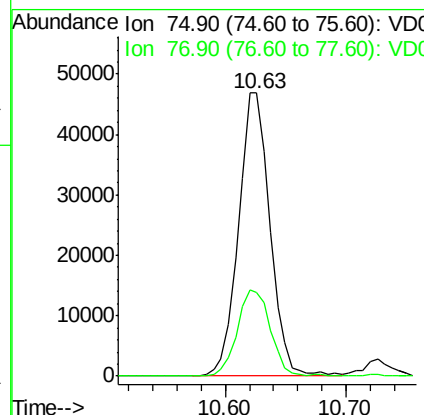
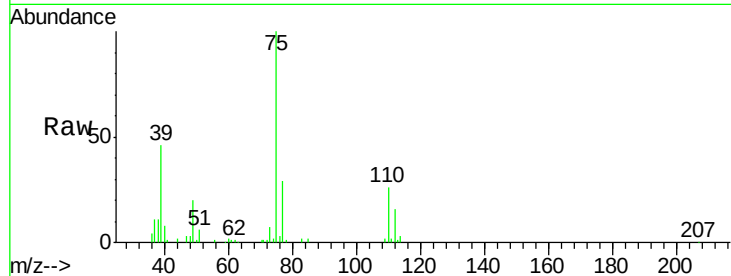
#53
t-1,3-Dichloropropene
Concen: 21.685 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.4	25.8	38.6

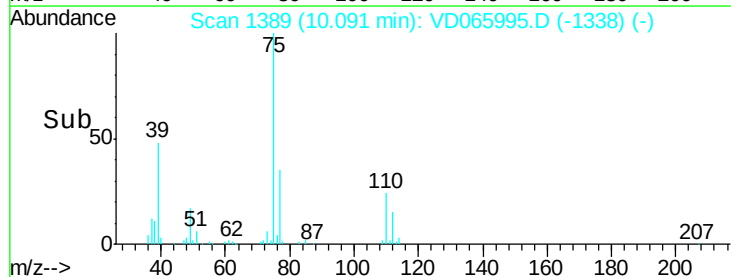
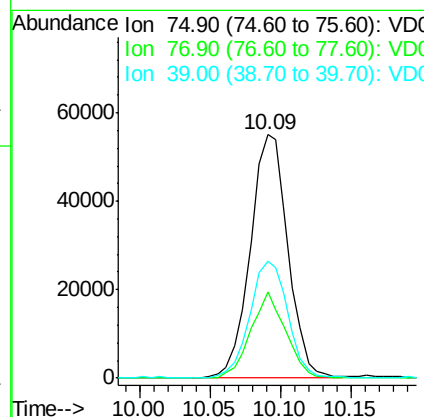
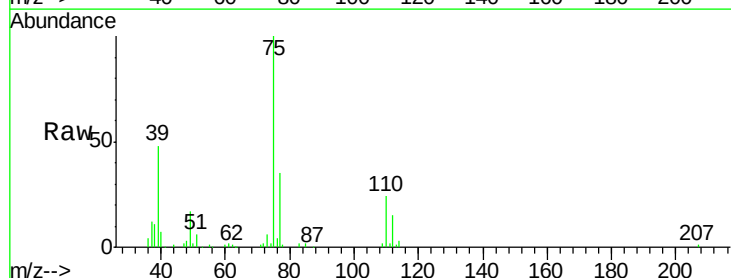
Manual Integrations
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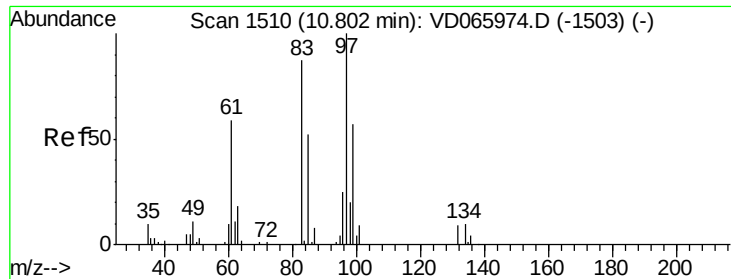
MMDadoda
7/23/2020 2:14:33 PM



#54
cis-1,3-Dichloropropene
Concen: 21.554 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	35.2	23.8	35.8
39	47.8	38.8	58.2





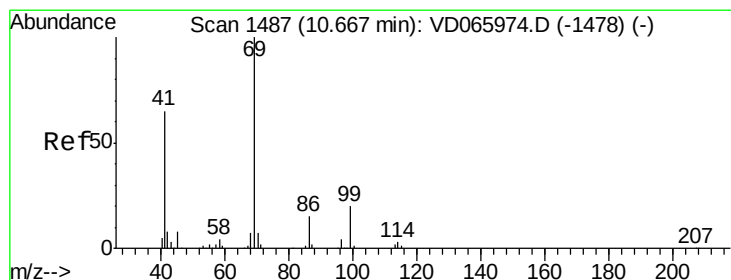
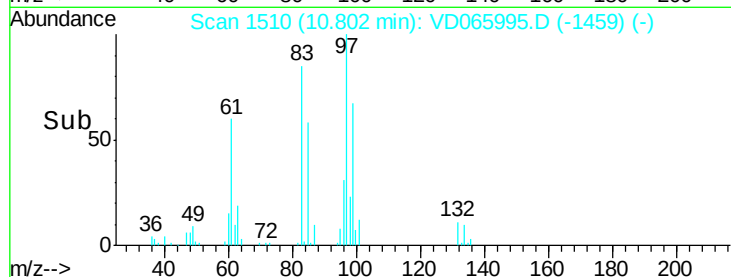
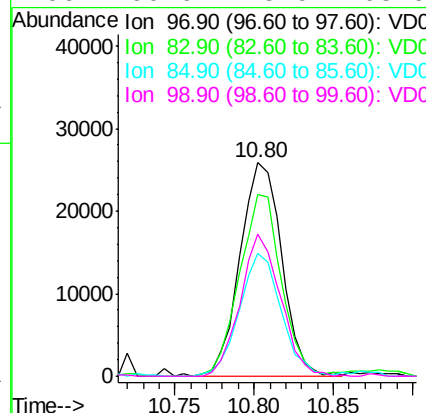
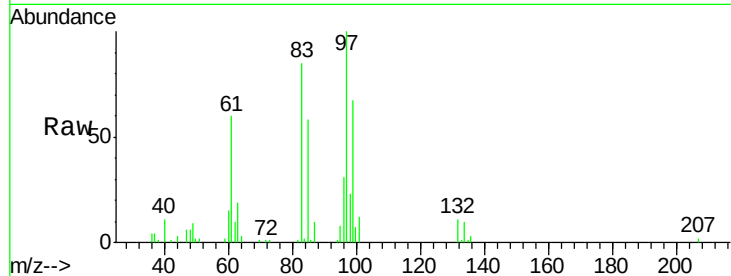
#55
 1,1,2-Trichloroethane
 Concen: 20.886 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065995.D
 Acq: 22 Jul 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.2	69.7	104.5
85	57.6	41.6	62.4
99	66.6	45.9	68.9

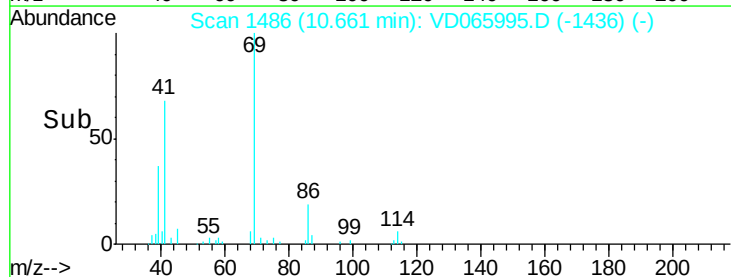
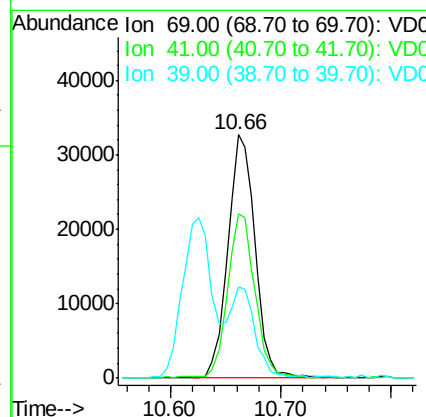
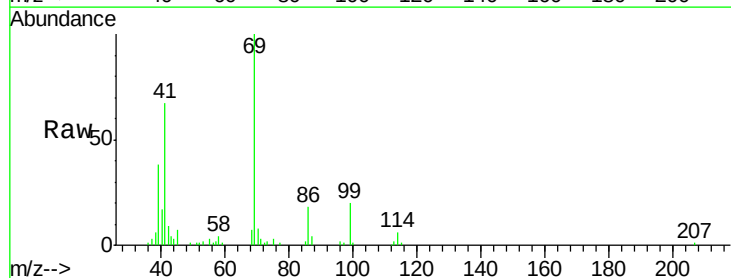
Manual Integrations
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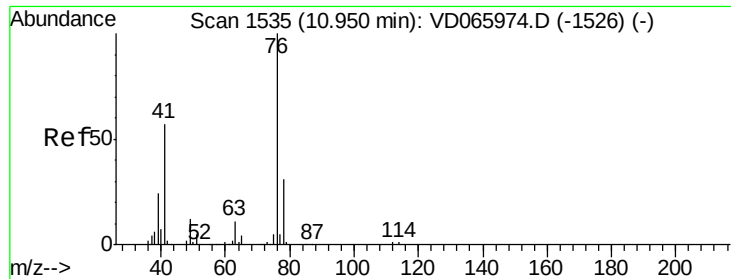
MMDadoda
 7/23/2020 2:14:33 PM



#56
 Ethyl methacrylate
 Concen: 21.406 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065995.D
 Acq: 22 Jul 2020 12:16

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.1	52.3	78.5
39	31.5	25.2	37.8





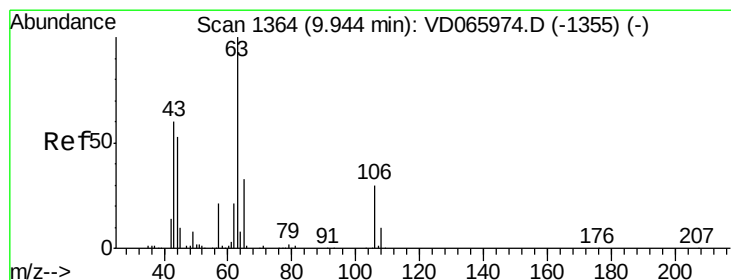
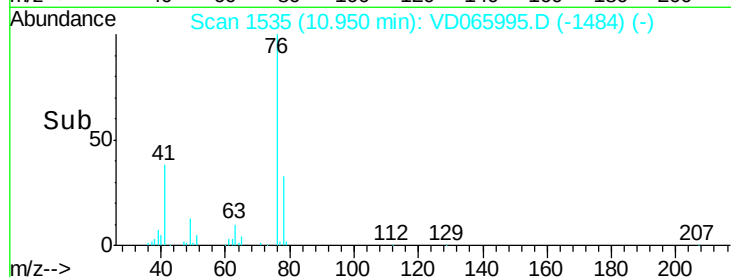
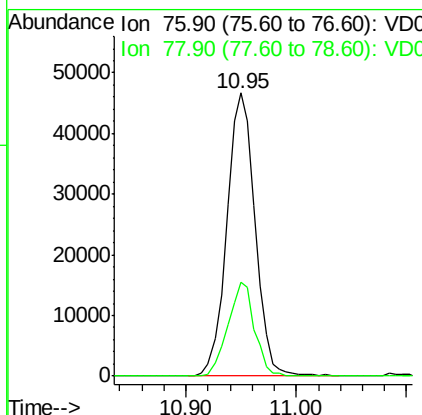
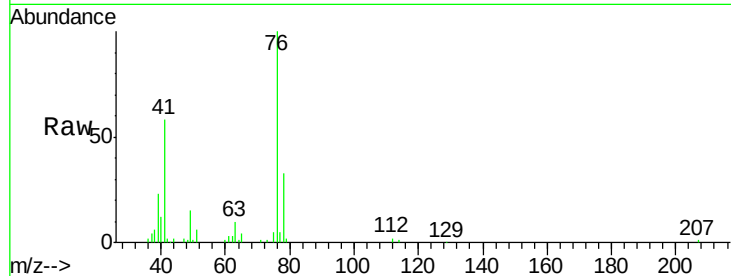
#57
 1,3-Dichloropropane
 Concen: 22.246 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065995.D
 Acq: 22 Jul 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Tot Ion: 76 Resp: 83453
 Ion Ratio Lower Upper
 76 100
 78 31.1 25.6 38.4

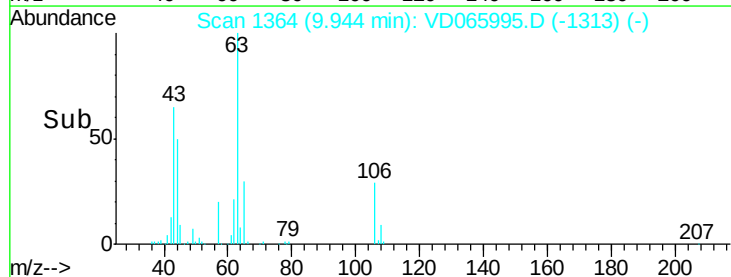
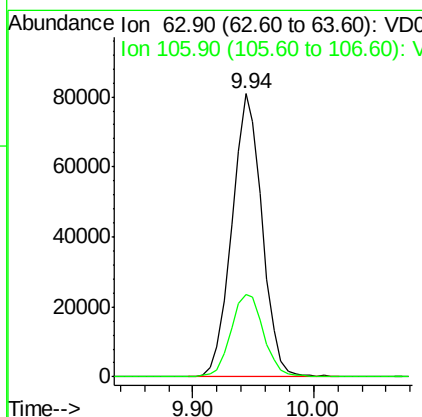
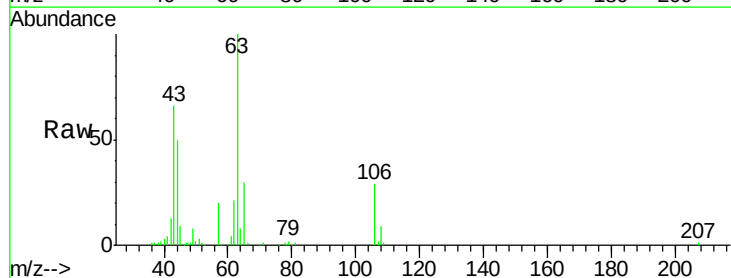
Manual Integrations
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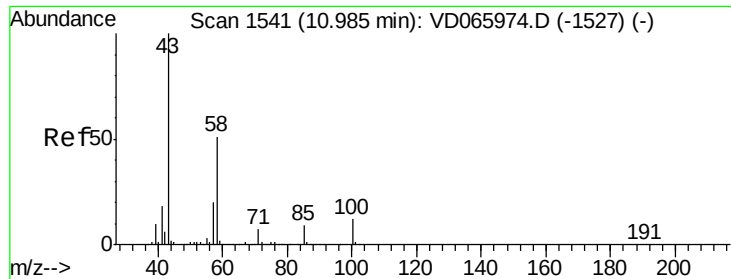
MMDadoda
 7/23/2020 2:14:33 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.668 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065995.D
 Acq: 22 Jul 2020 12:16

Tgt Ion: 63 Resp: 140542
 Ion Ratio Lower Upper
 63 100
 106 31.5 24.4 36.6





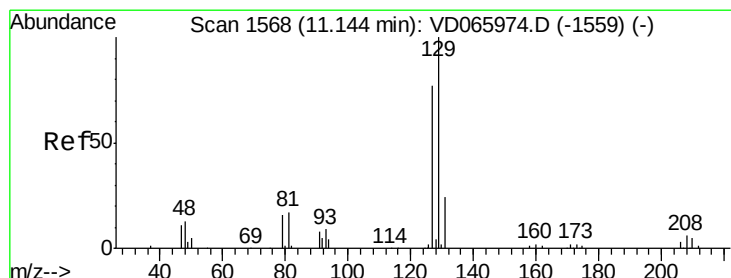
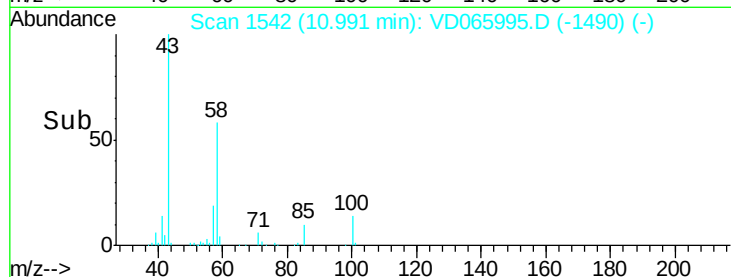
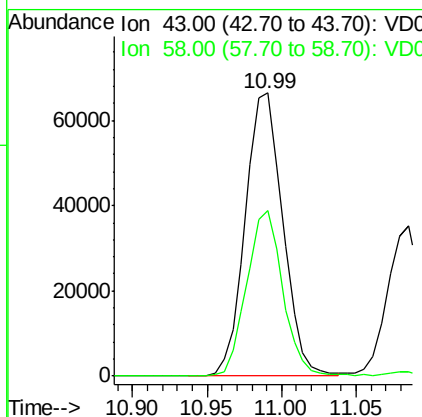
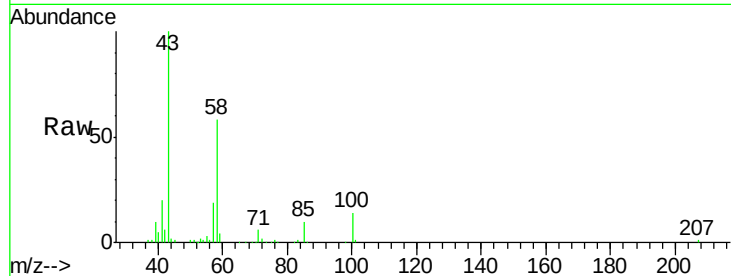
#59
2-Hexanone
Concen: 101.368 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion: 43 Resp: 115646
Ion Ratio Lower Upper
43 100
58 56.0 26.2 78.6

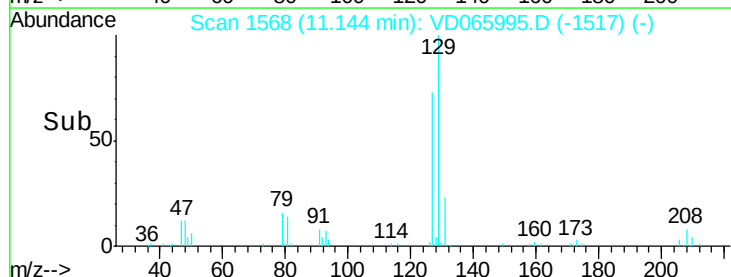
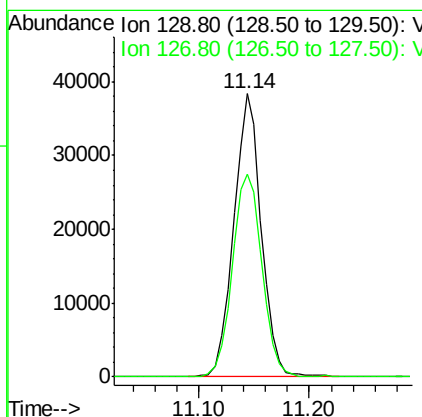
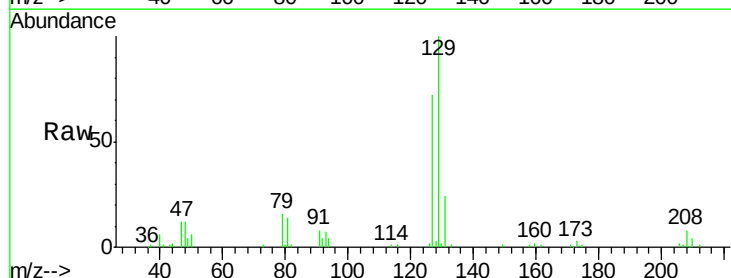
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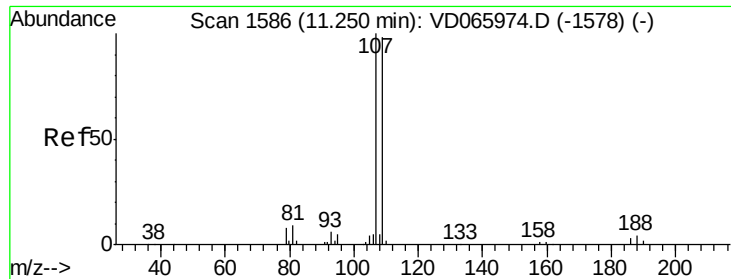
MMDadoda
7/23/2020 2:14:33 PM



#60
Dibromochloromethane
Concen: 21.911 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Tgt Ion: 129 Resp: 66945
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.7





#61

1,2-Dibromoethane

Concen: 21.350 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

Tot Ion: 107 Resp: 46647

Ion Ratio Lower Upper

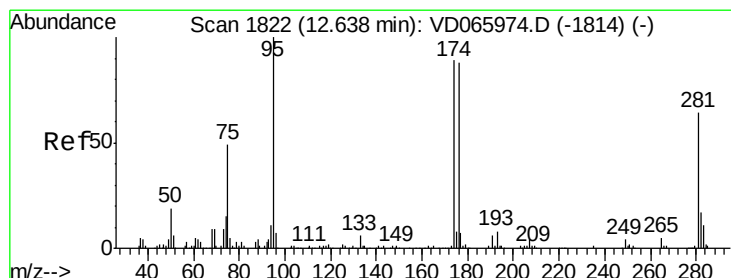
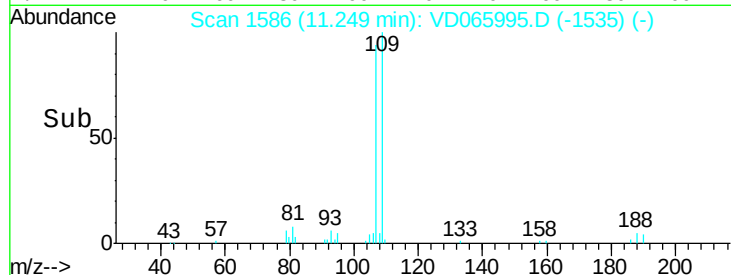
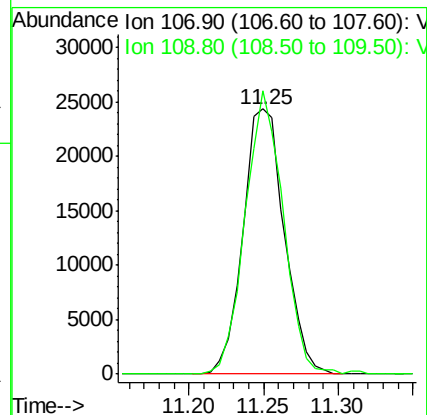
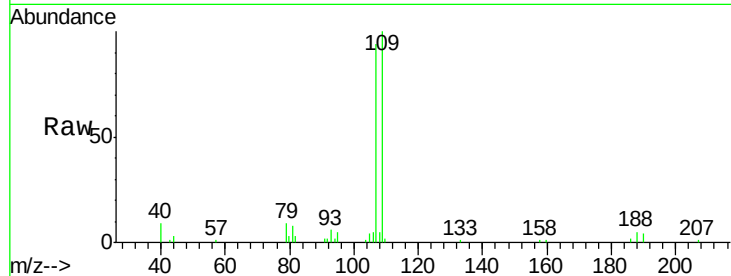
107 100

109 97.8 75.0 112.4

Manual Integrations
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7/23/2020 2:14:33 PM



#62

4-Bromofluorobenzene

Concen: 51.643 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

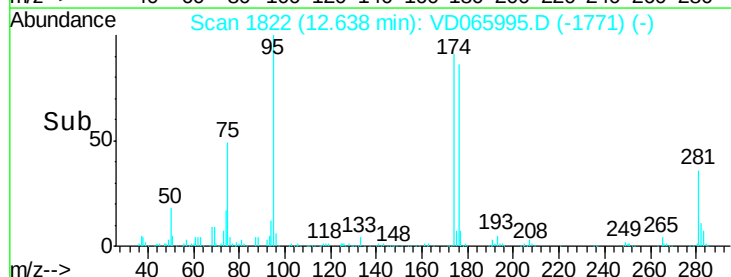
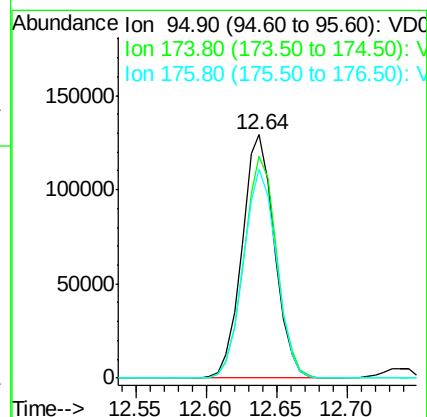
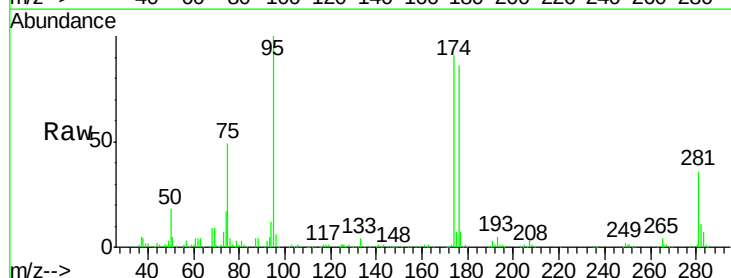
Tgt Ion: 95 Resp: 207663

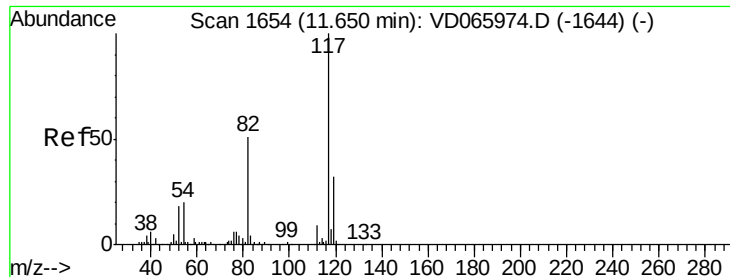
Ion Ratio Lower Upper

95 100

174 92.5 0.0 178.8

176 88.4 0.0 172.6





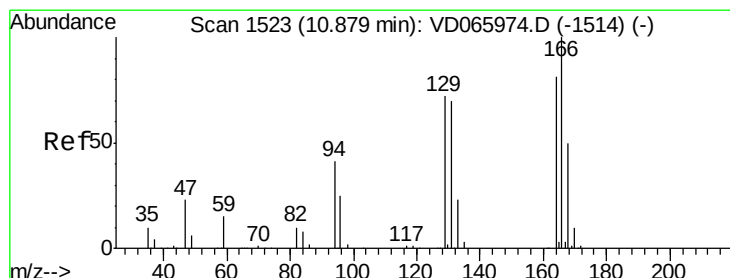
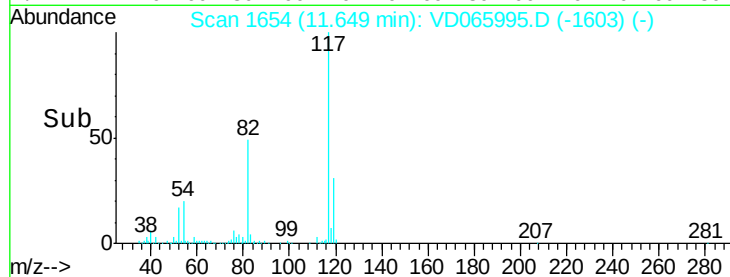
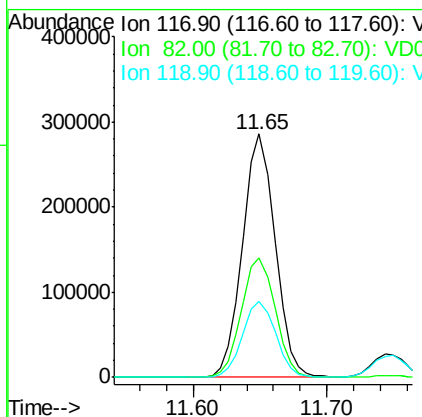
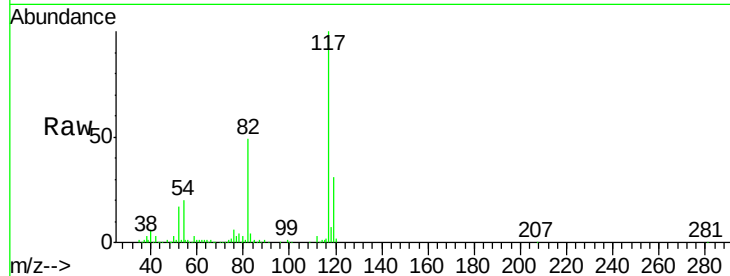
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	483758		
82	49.0		41.1	61.7
119	31.0		25.9	38.9

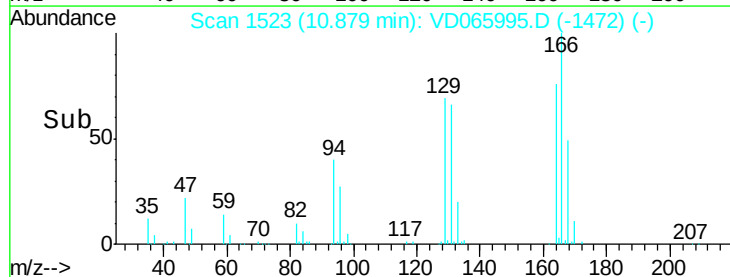
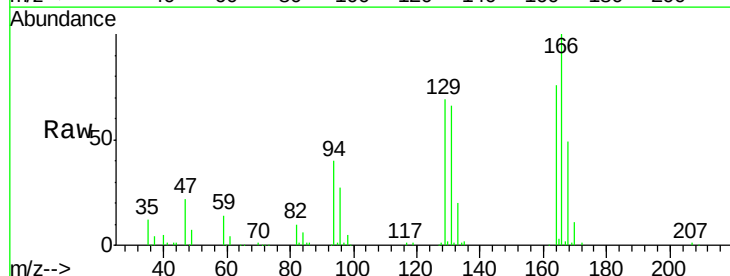
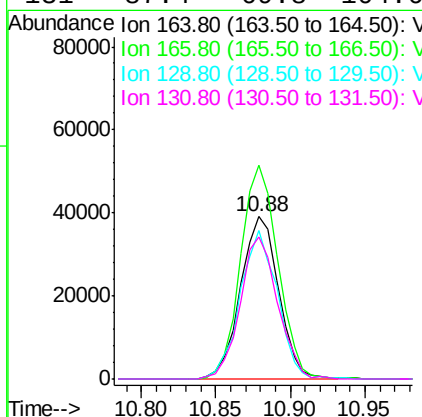
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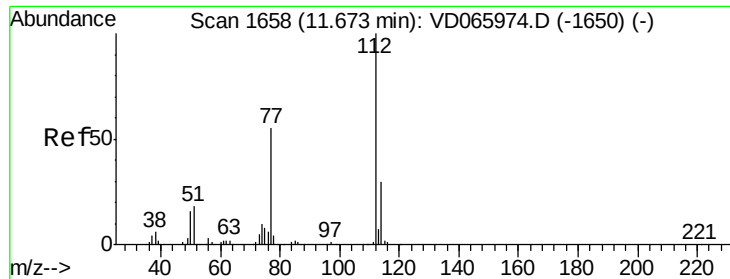
MMDadoda
7/23/2020 2:14:33 PM



#64
Tetrachloroethene
Concen: 21.107 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	69305		
166	131.6		99.1	148.7
129	91.4		71.5	107.3
131	87.4		69.8	104.6





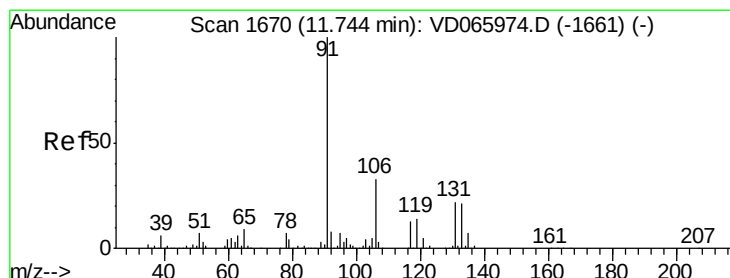
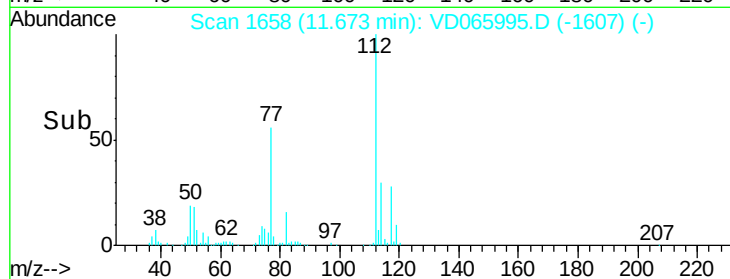
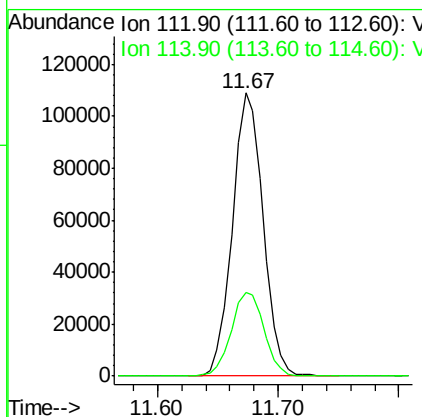
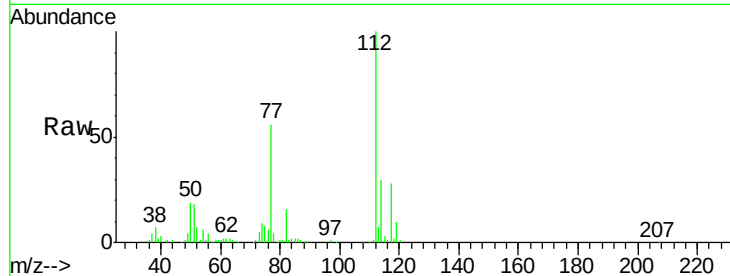
#65
Chlorobenzene
Concen: 21.754 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	29.7	24.4	36.6

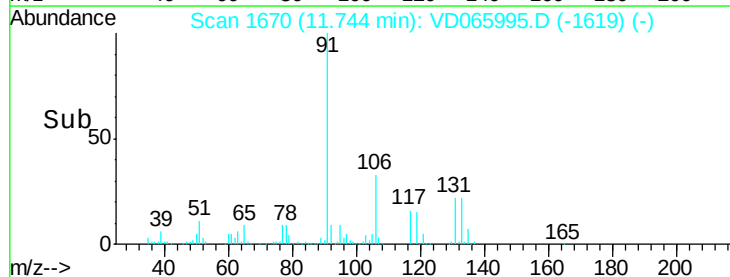
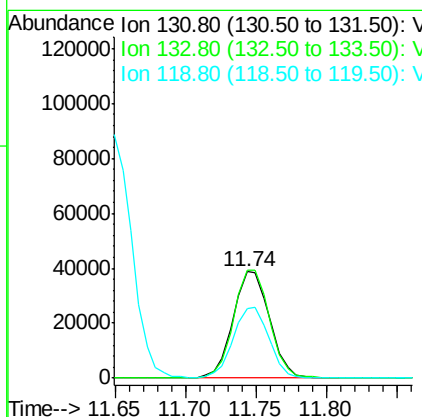
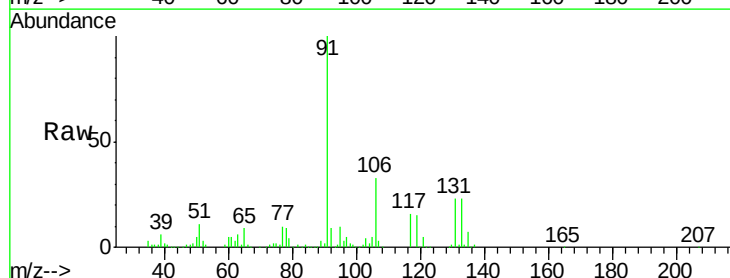
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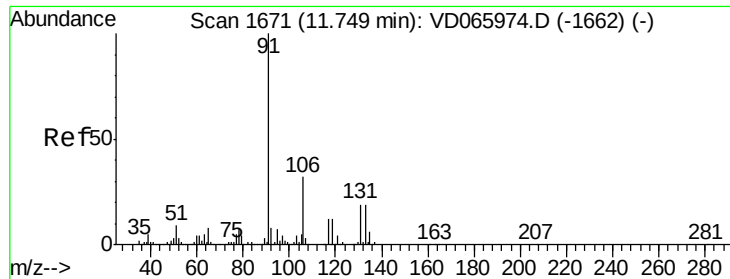
MMDadoda
7/23/2020 2:14:33 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.538 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.5	47.3	142.0
119	65.1	31.7	95.1





#67

Ethyl Benzene

Concen: 21.523 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

Tot Ion: 91 Resp: 328074

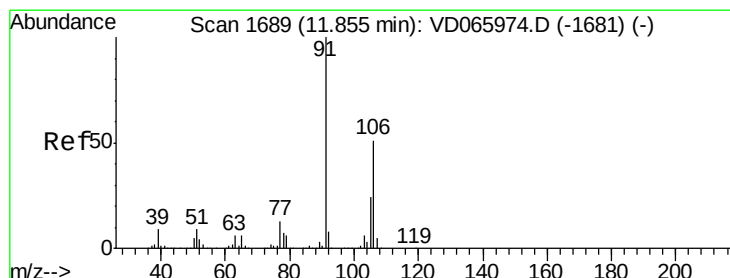
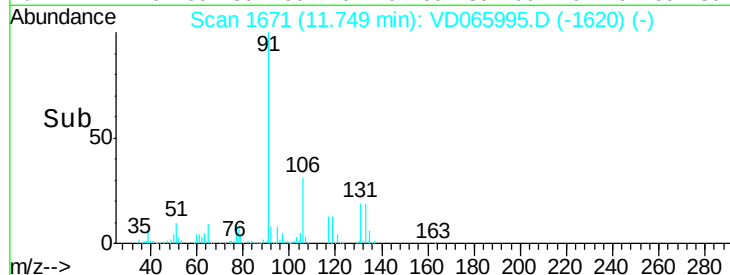
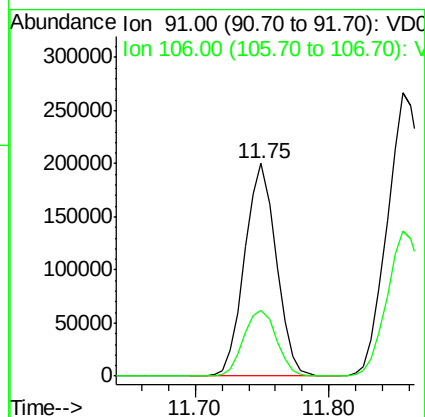
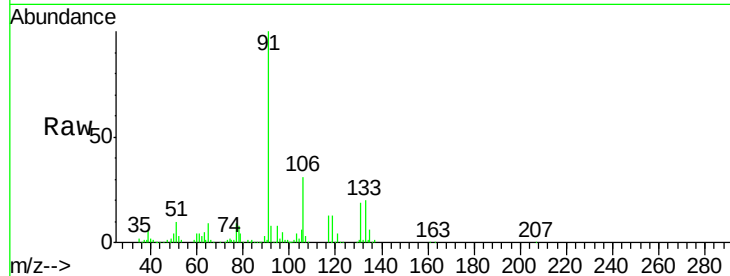
Ion Ratio Lower Upper

91 100

106 30.9 25.7 38.5

Manual Integrations
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#68

m/p-Xylenes

Concen: 45.056 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065995.D

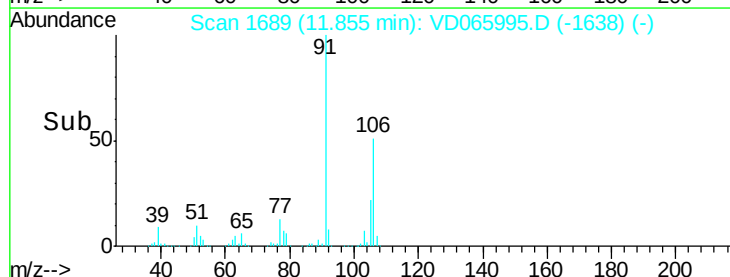
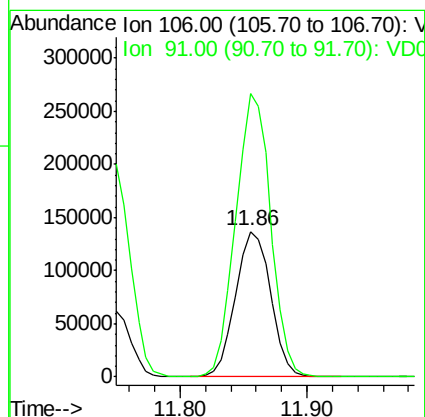
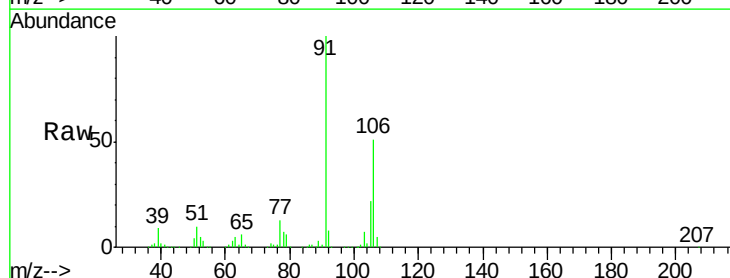
Acq: 22 Jul 2020 12:16

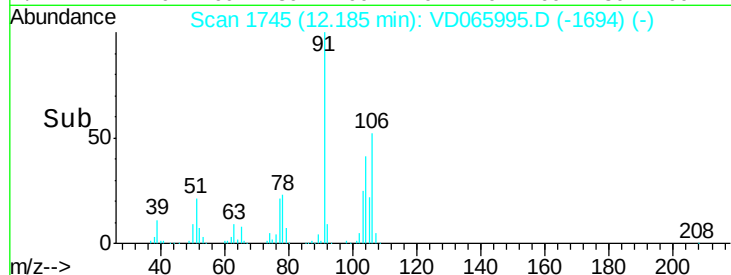
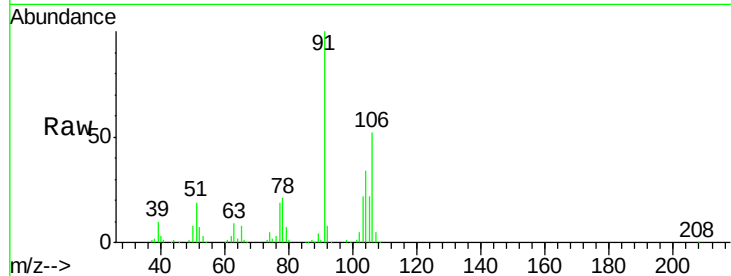
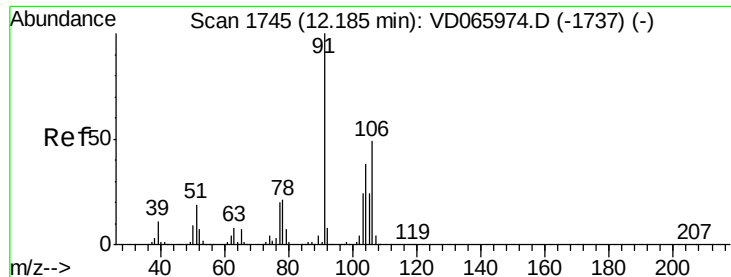
Tgt Ion: 106 Resp: 263972

Ion Ratio Lower Upper

106 100

91 193.4 157.0 235.6





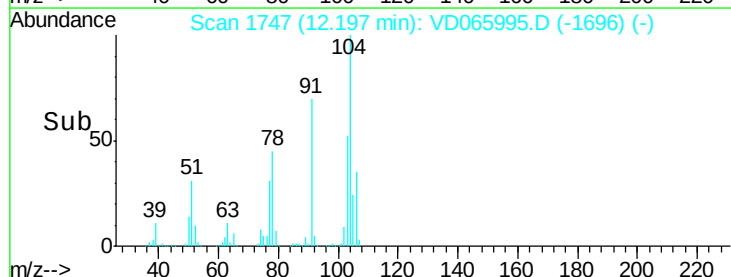
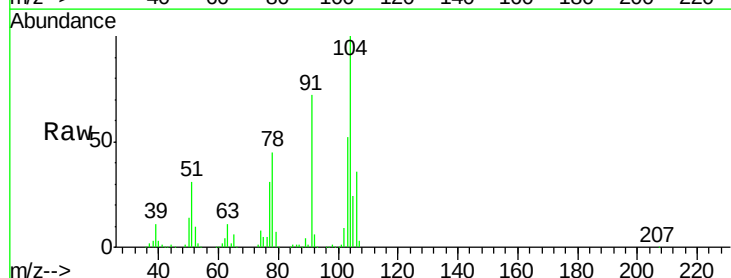
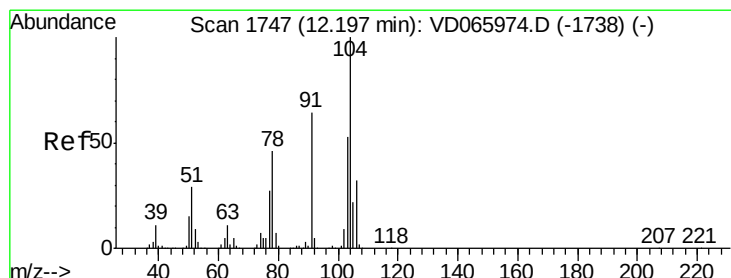
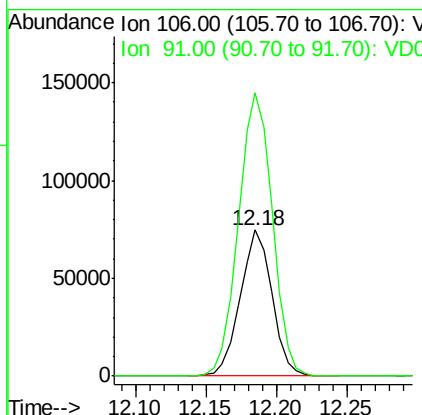
#69
o-Xylene
Concen: 22.156 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		118064		
91	205.8	103.1	309.3		

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

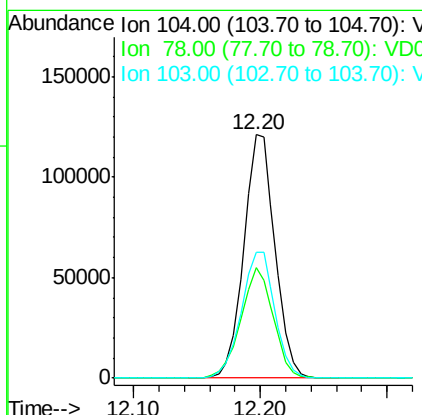
Manual Integrations
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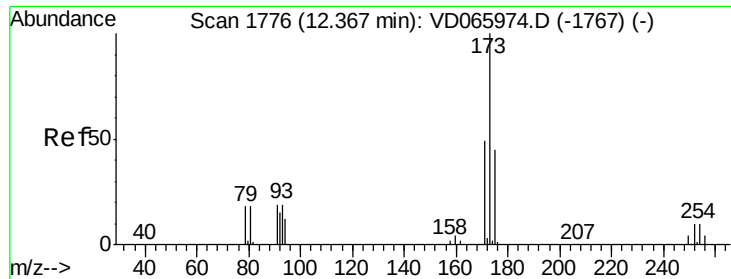
MMDadoda
7/23/2020 2:14:33 PM



#70
Styrene
Concen: 22.595 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		206868		
78	47.1	38.3	57.5		
103	55.5	43.8	65.8		





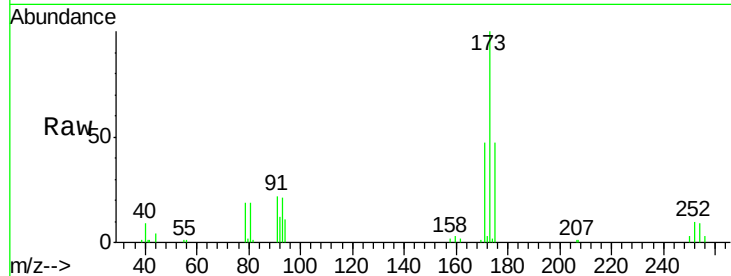
#71
Bromoform
Concen: 21.353 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.1	72.3
254	0.0	0.0	0.0

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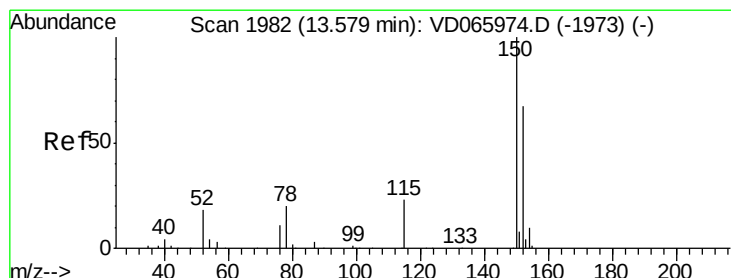
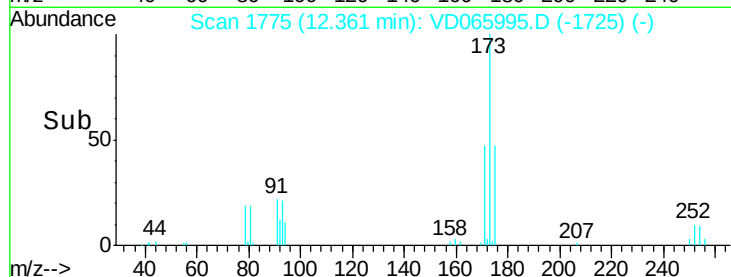
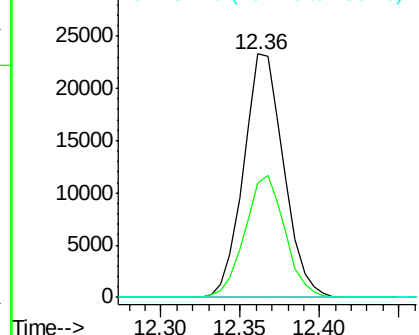


Abundance

Ion 172.70 (172.40 to 173.40): V

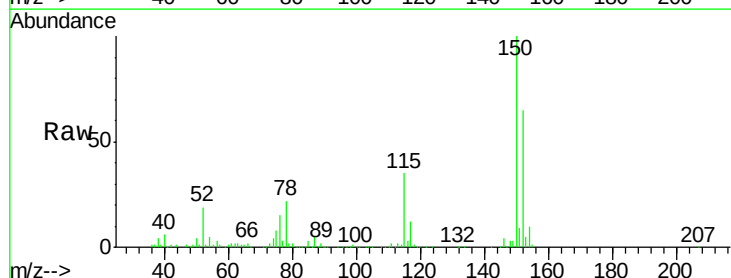
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.9	83.7
150	163.5	0.0	348.2

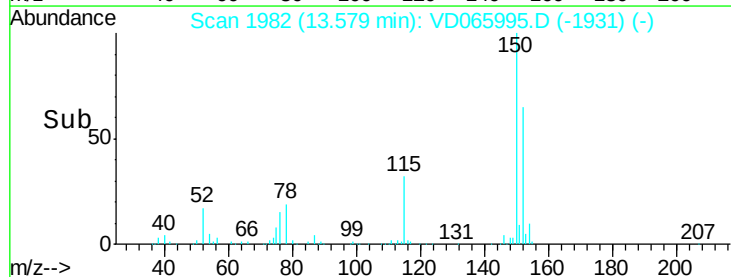
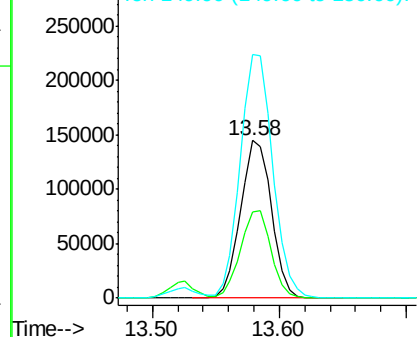


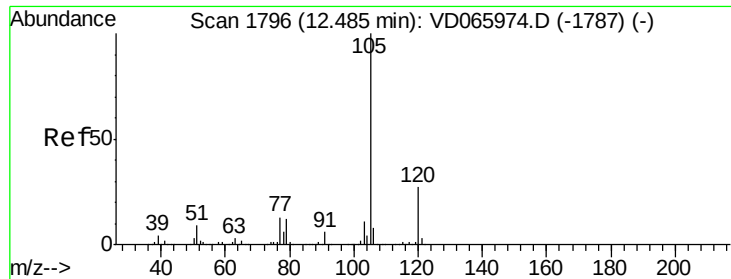
Abundance

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: 21.793 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

Tot Ion:105 Resp: 322184

Ion Ratio Lower Upper

105 100

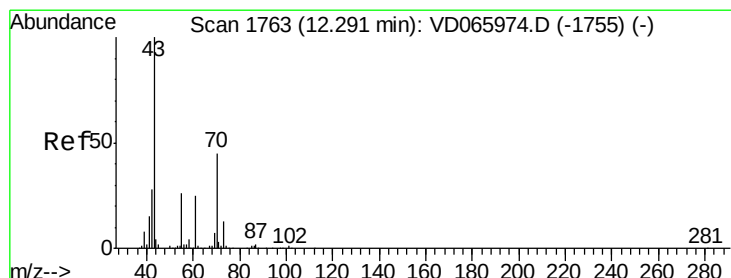
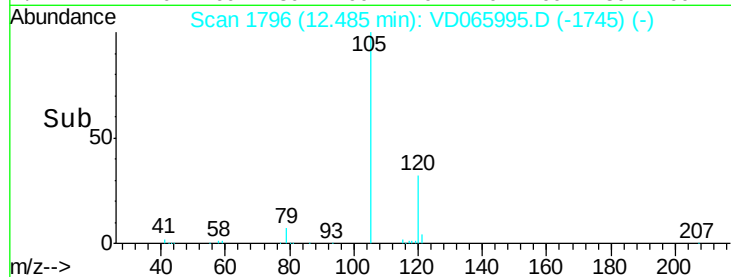
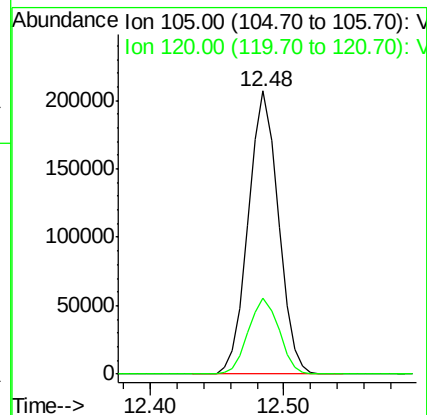
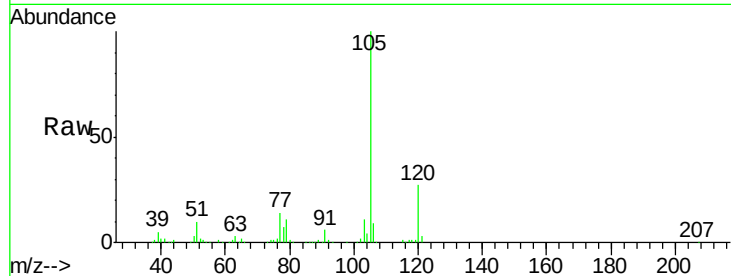
120 27.2 13.6 40.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.373 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Tgt Ion: 43 Resp: 62448

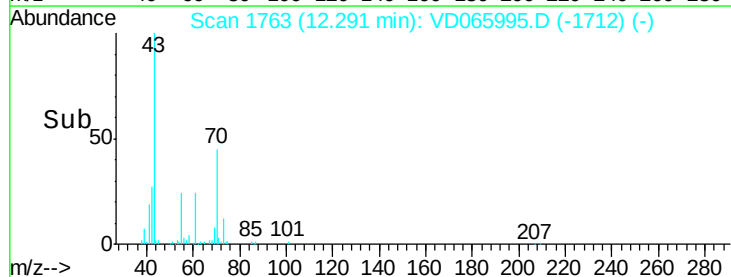
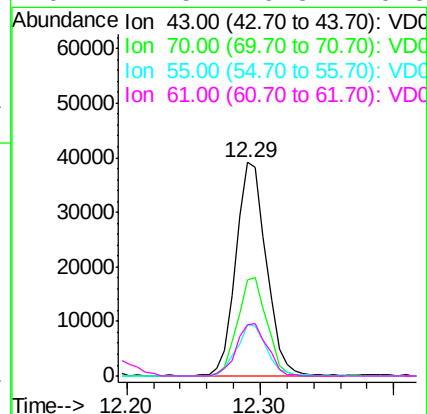
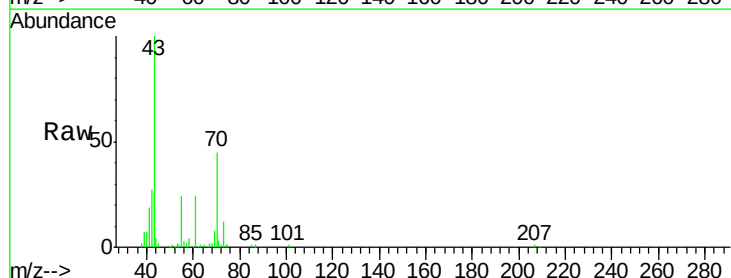
Ion Ratio Lower Upper

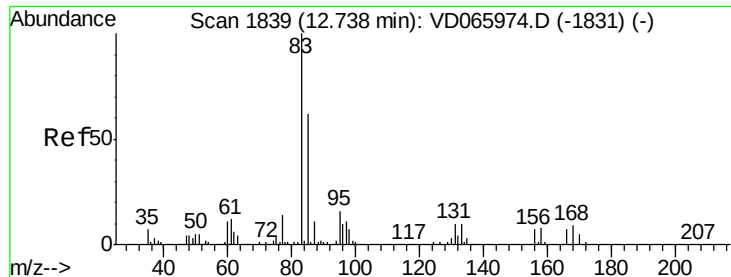
43 100

70 44.1 34.6 51.8

55 23.8 20.3 30.5

61 24.5 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 21.037 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Instrument :

MSVOA_D

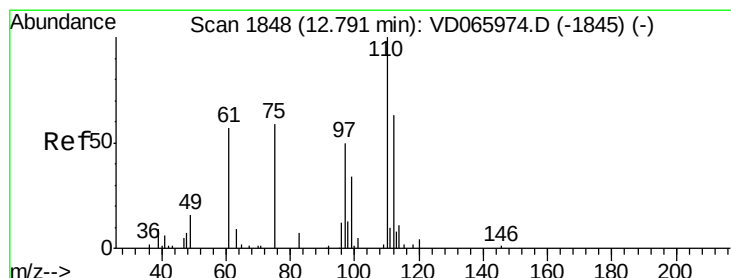
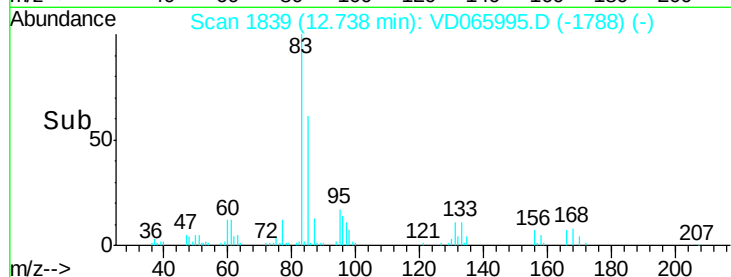
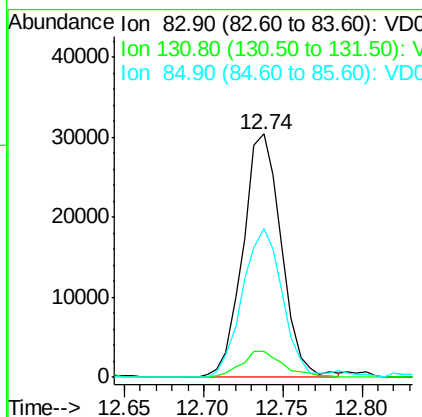
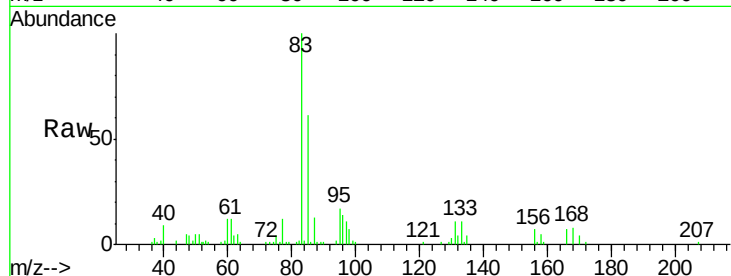
ClientSampleId :

VD0722SBS01

Tot Ion:	83	Resp:	51398
Ion	Ratio	Lower	Upper
83	100		
131	11.7	5.7	17.1
85	63.6	31.9	95.5

Manual Integrations
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7/23/2020 2:14:33 PM



#76

1,2,3-Trichloropropane

Concen: 17.151 ug/l m

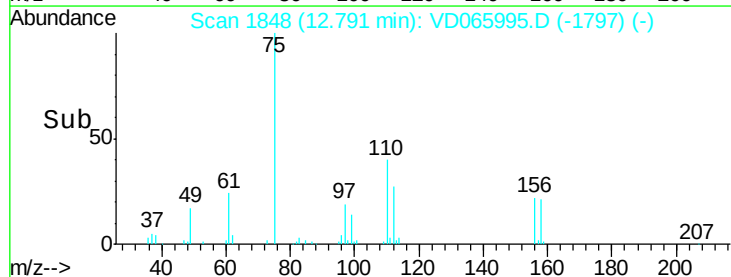
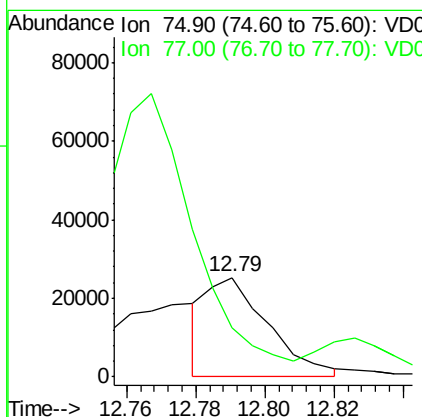
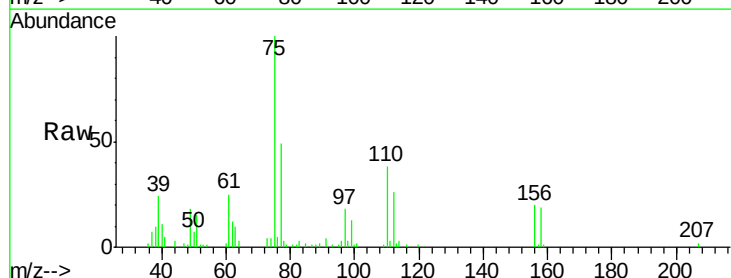
RT: 12.79 min Scan# 1848

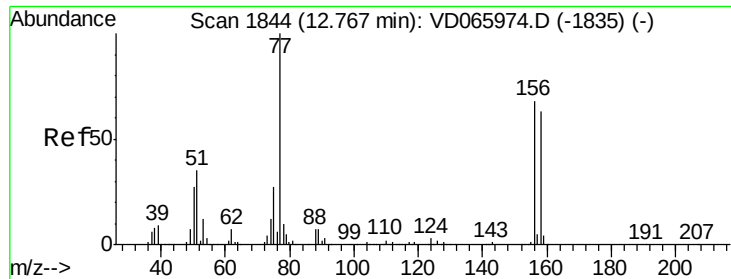
Delta R.T. -0.00 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Tgt Ion:	75	Resp:	31552
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.427 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Instrument :

MSVOA_D

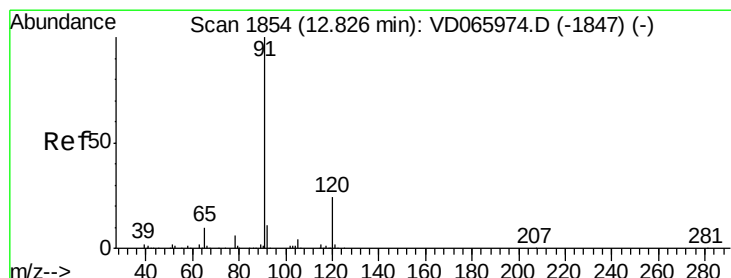
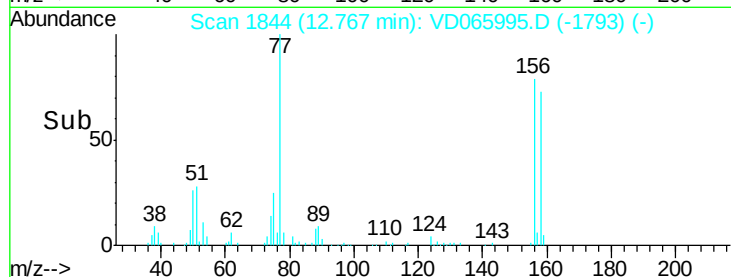
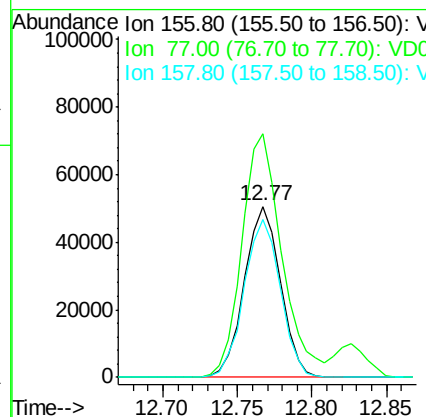
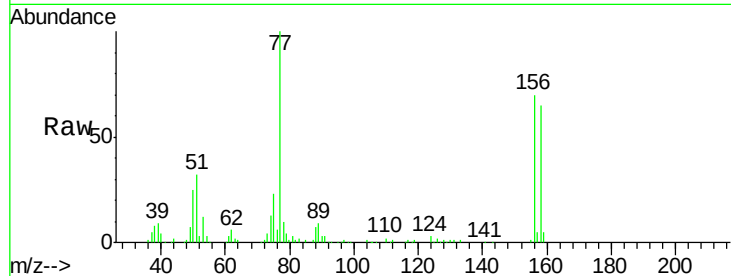
ClientSampleId :

VD0722SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	157.8	83.0	249.0
158	92.7	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 22.120 ug/l

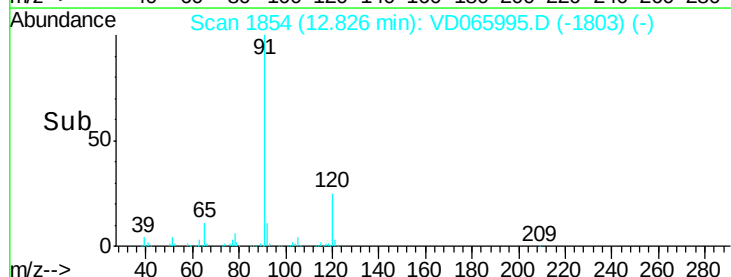
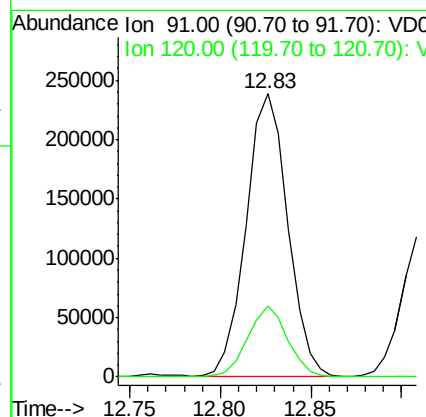
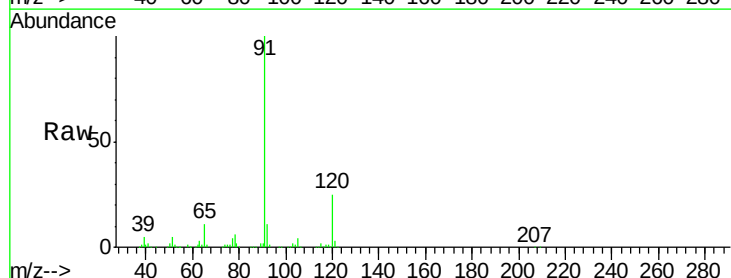
RT: 12.83 min Scan# 1854

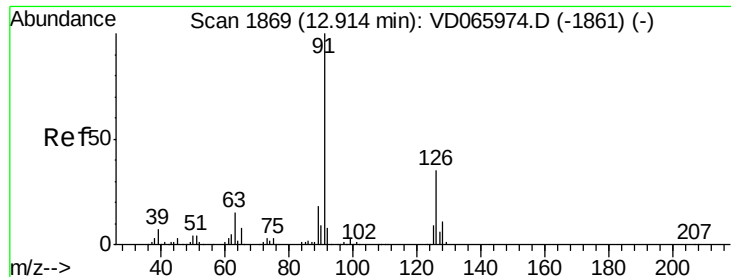
Delta R.T. -0.00 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	12.0	36.0





#79

2-Chlorotoluene

Concen: 22.109 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

Tot Ion: 91 Resp: 216688

Ion Ratio Lower Upper

91 100

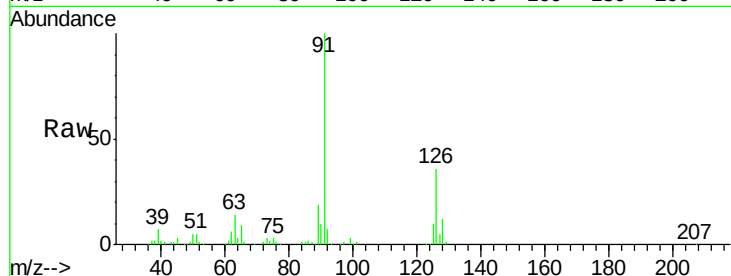
126 35.6 17.7 53.1

Manual Integrations

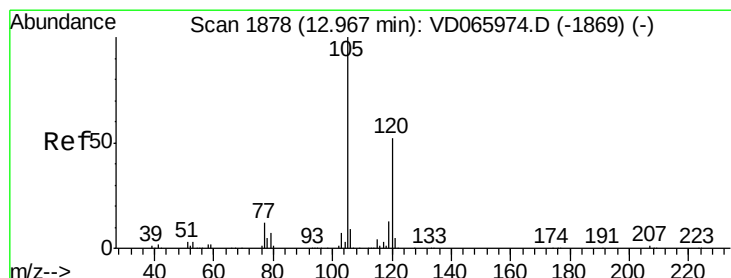
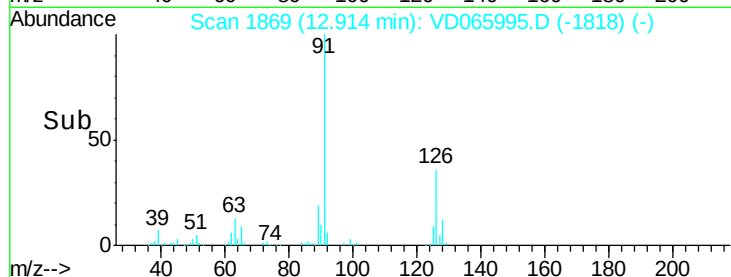
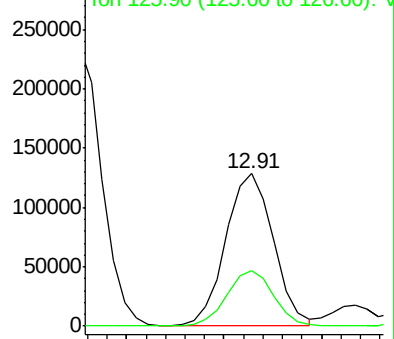
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Abundance Ion 91.00 (90.70 to 91.70): VD065974.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.357 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065995.D

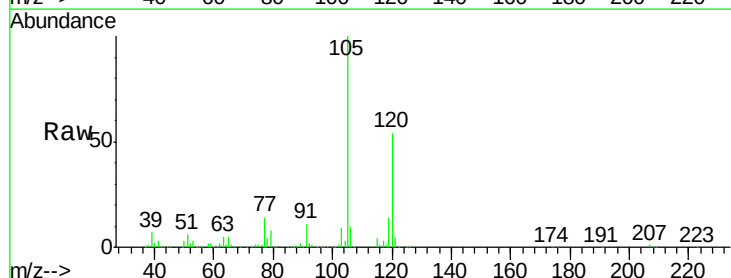
Acq: 22 Jul 2020 12:16

Tgt Ion: 105 Resp: 271551

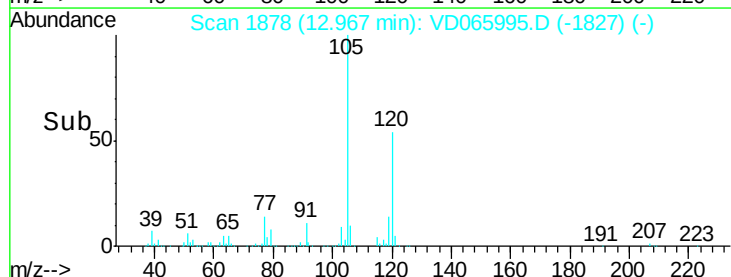
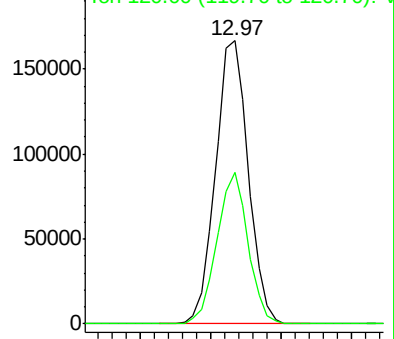
Ion Ratio Lower Upper

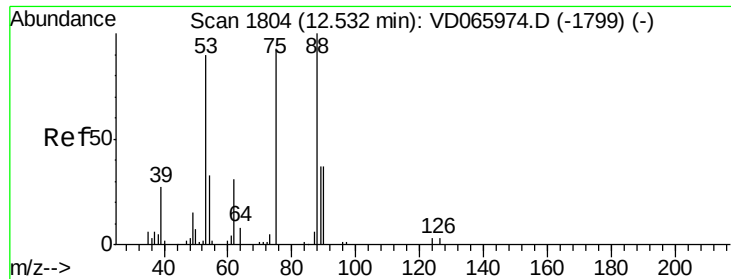
105 100

120 50.9 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VD065974.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.959 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Instrument :

MSVOA_D

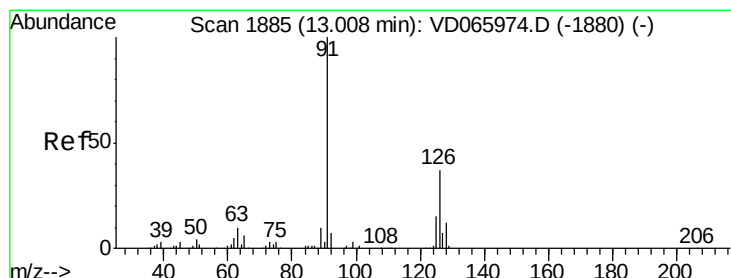
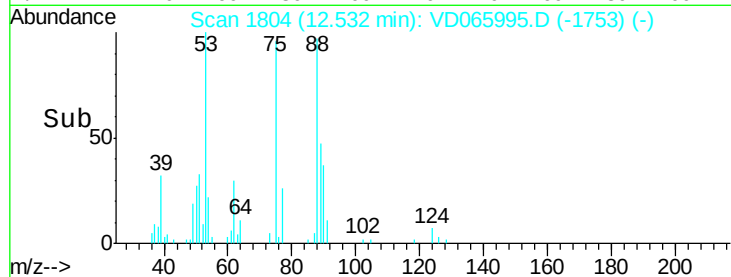
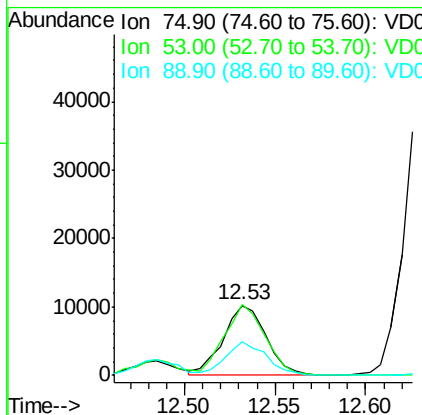
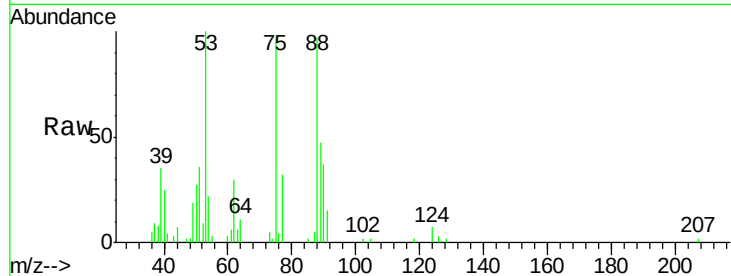
ClientSampleId :

VD0722SBS01

Tot Ion:	75	Resp:	16803
Ion	Ratio	Lower	Upper
75	100		
53	96.6	76.8	115.2
89	45.1	37.0	55.4

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#82

4-Chlorotoluene

Concen: 22.790 ug/l

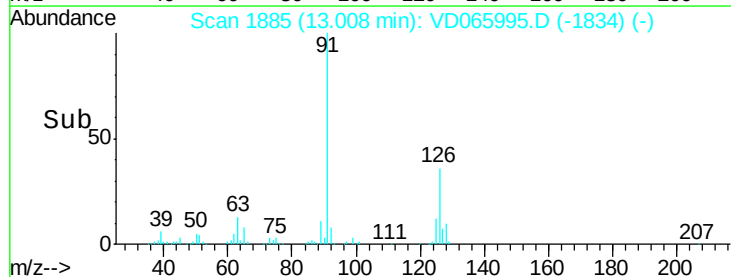
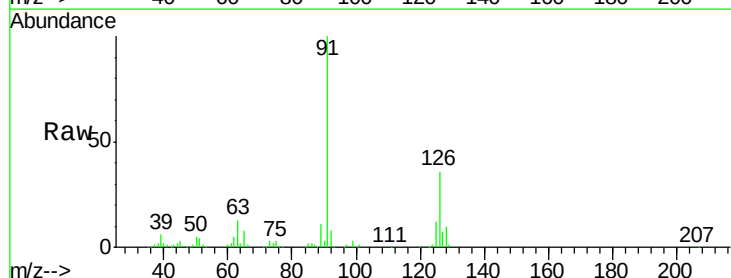
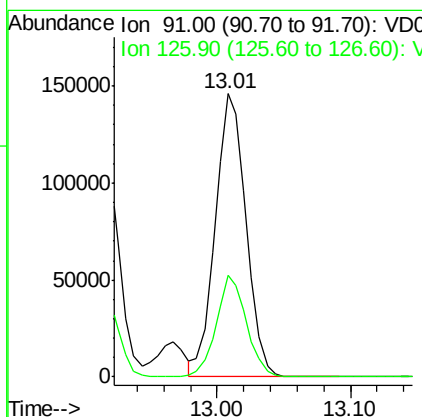
RT: 13.01 min Scan# 1885

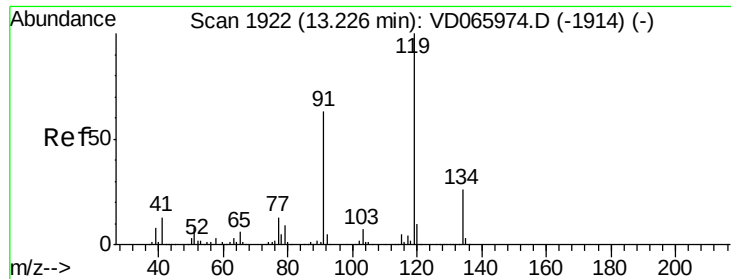
Delta R.T. -0.00 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Tgt Ion:	91	Resp:	235758
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.8	53.5





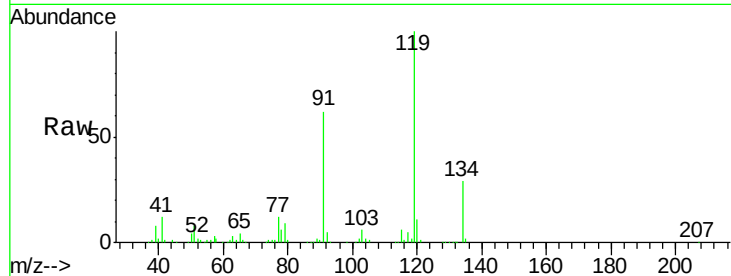
#83
tert-Butylbenzene
Concen: 22.166 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

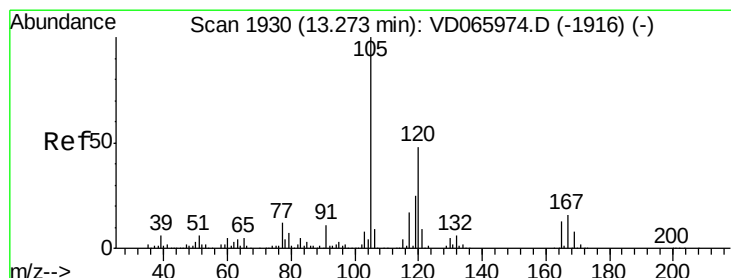
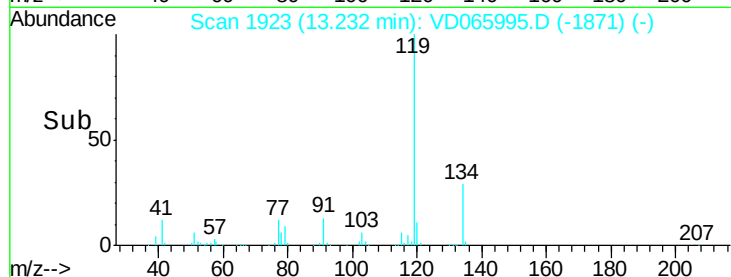
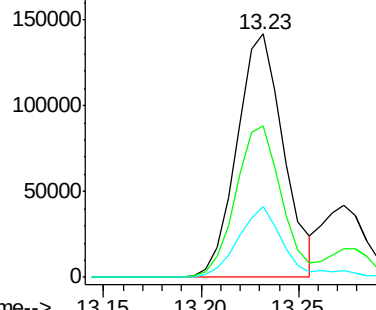
Tot Ion	Ratio	Resp	Lower	Upper
119	100	235588		
91	60.7	30.6	91.6	
134	28.9	13.9	41.7	

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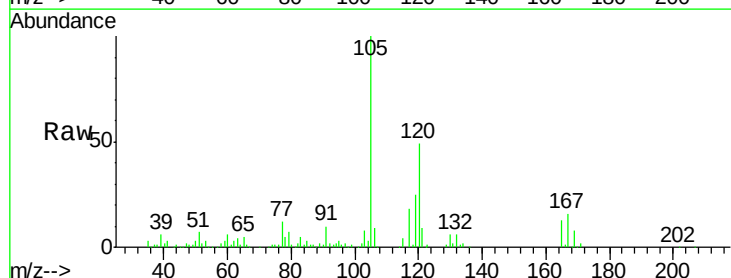


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

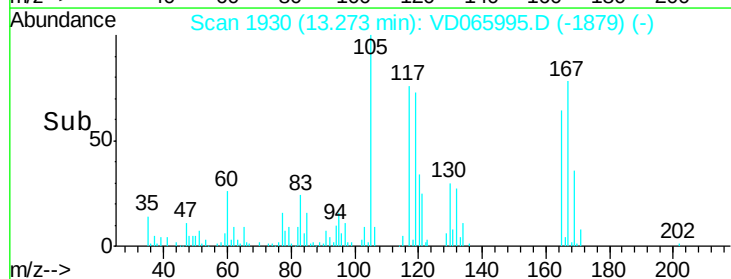
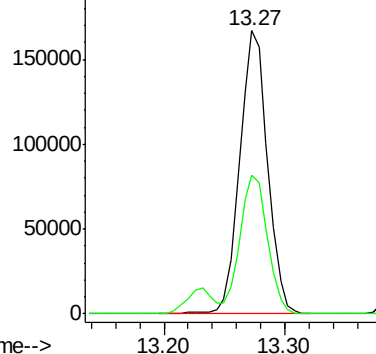


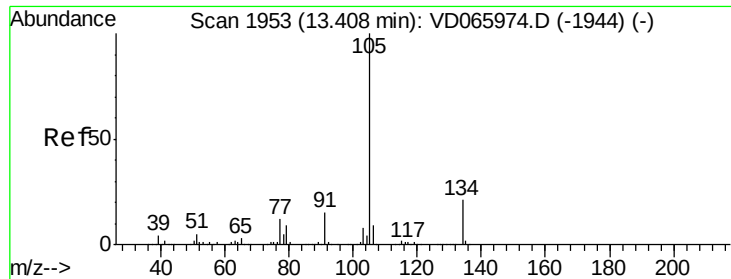
#84
1,2,4-Trimethylbenzene
Concen: 22.302 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	267244		
120	48.2	23.9	71.8	



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





#85

sec-Butylbenzene

Concen: 21.713 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

Tot Ion:105 Resp: 317869

Ion Ratio Lower Upper

105 100

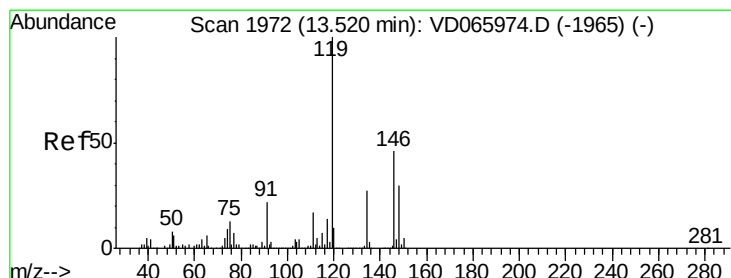
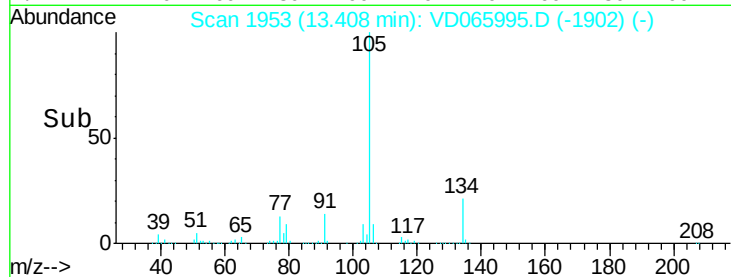
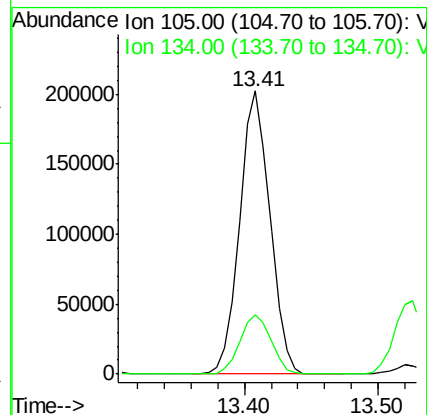
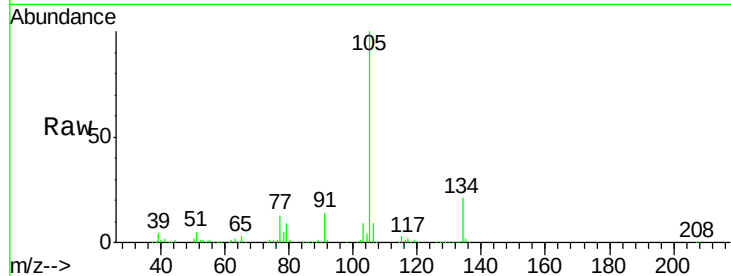
134 21.6 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 22.949 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065995.D

Acq: 22 Jul 2020 12:16

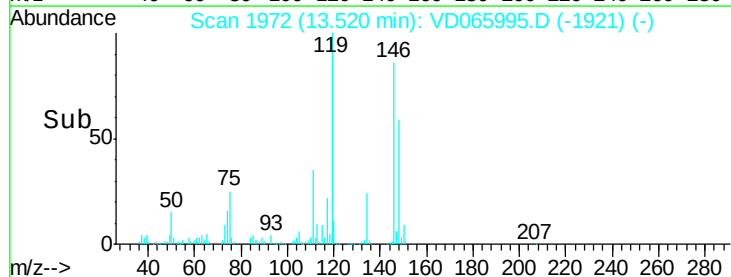
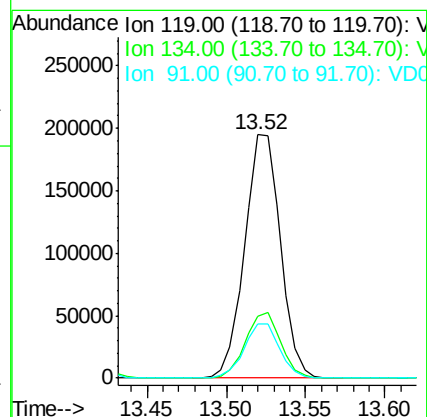
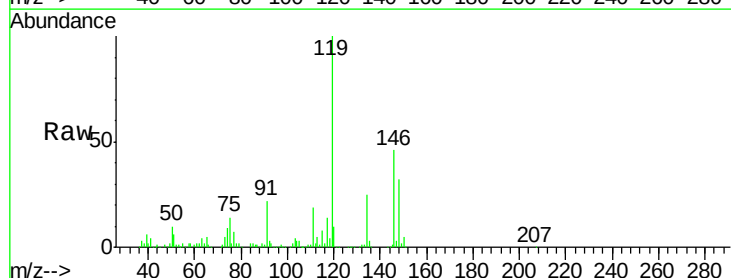
Tgt Ion:119 Resp: 305223

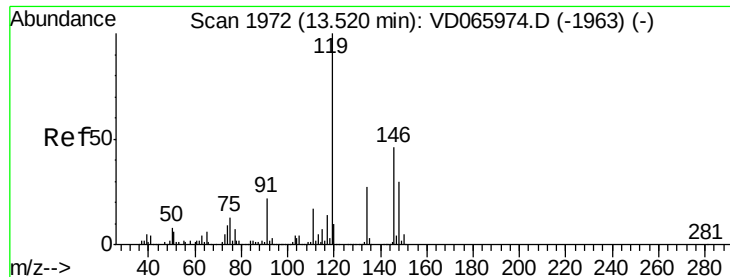
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

91 22.4 11.1 33.3





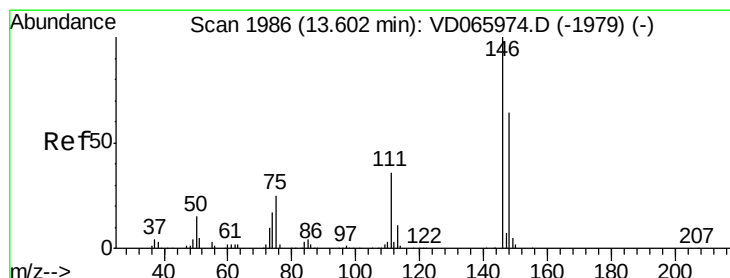
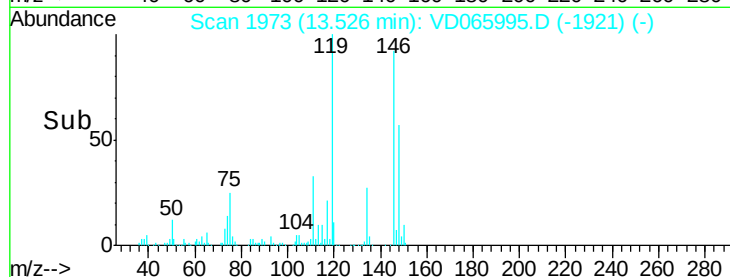
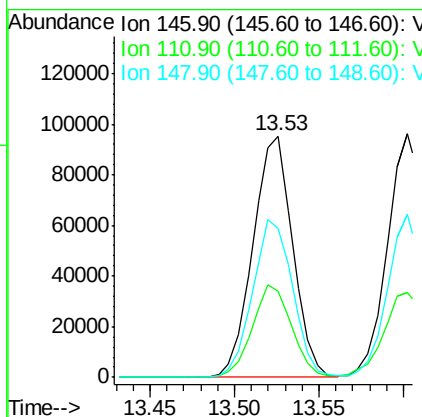
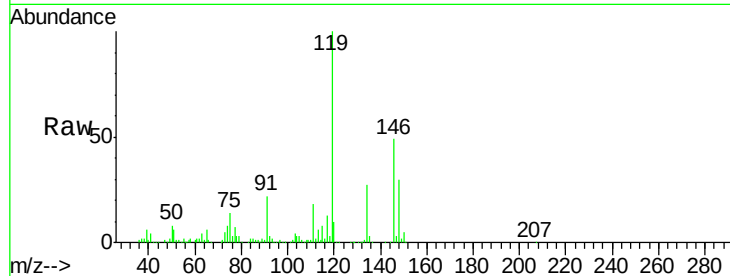
#87
 1,3-Dichlorobenzene
 Concen: 22.183 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD065995.D
 Acq: 22 Jul 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.6	55.6
148	65.9	32.4	97.0

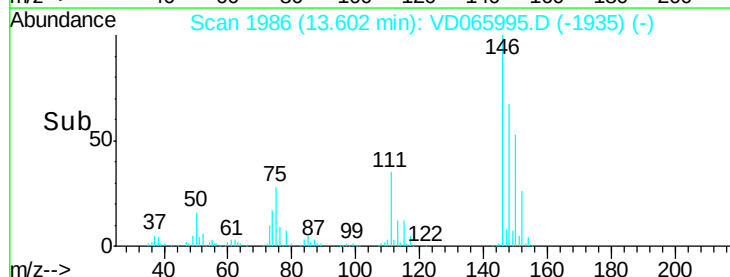
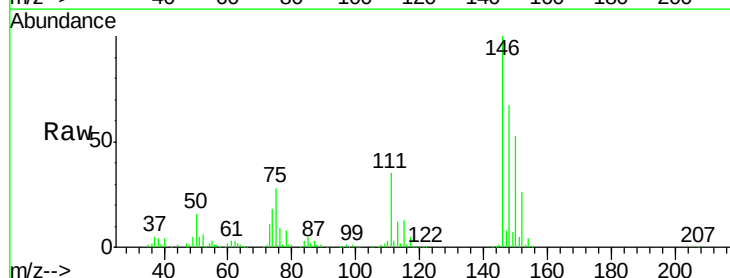
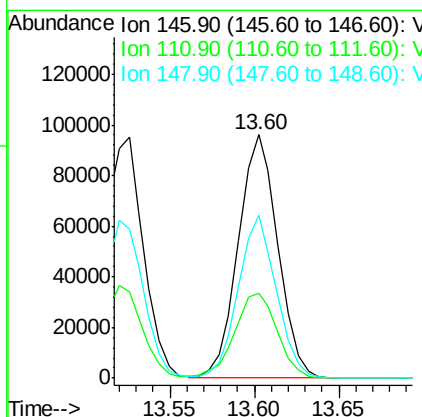
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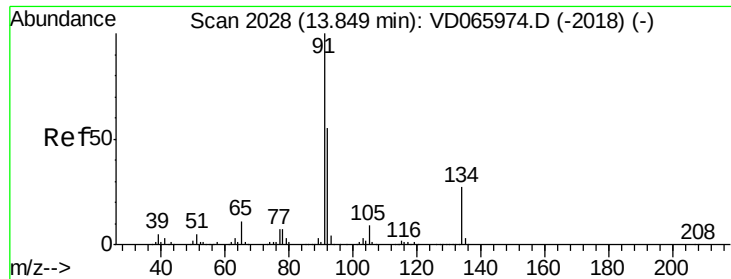
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#88
 1,4-Dichlorobenzene
 Concen: 22.012 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065995.D
 Acq: 22 Jul 2020 12:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	64.4	32.2	96.6





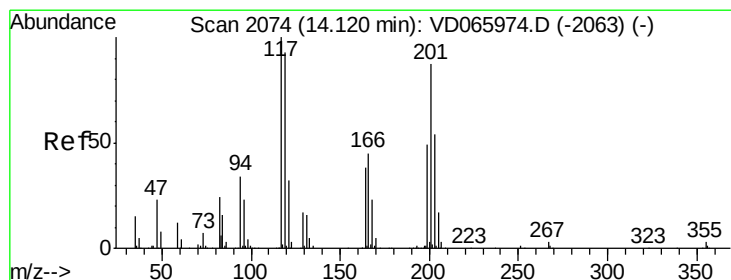
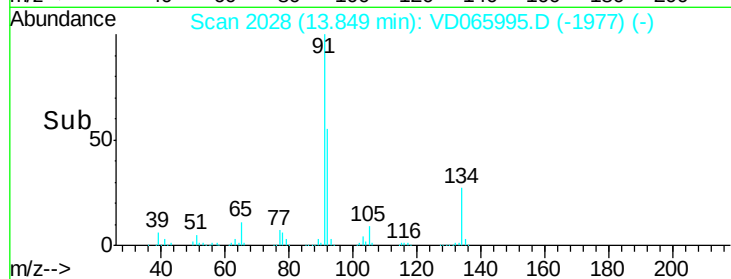
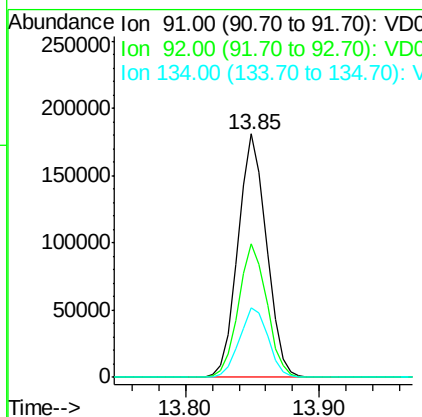
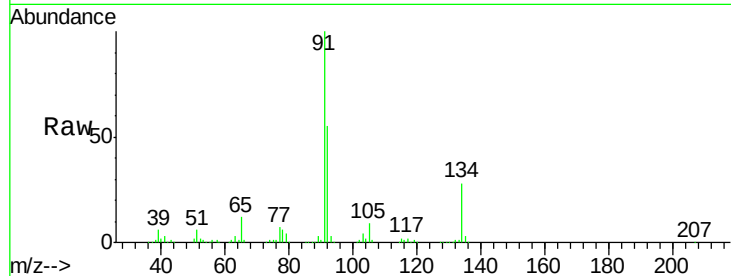
#89
n-Butylbenzene
Concen: 21.642 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.5	27.2	81.6	
134	28.7	13.8	41.4	

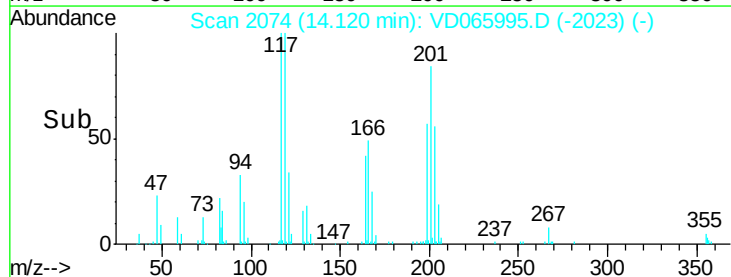
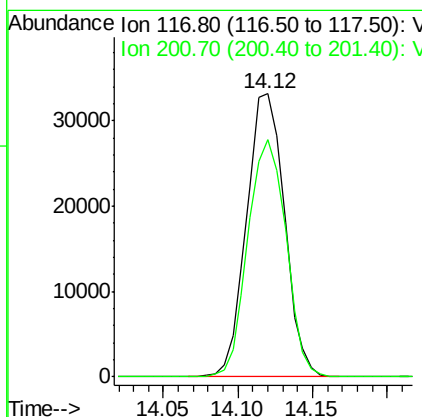
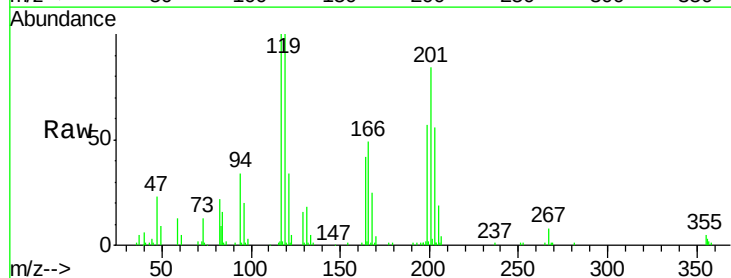
Manual Integrations
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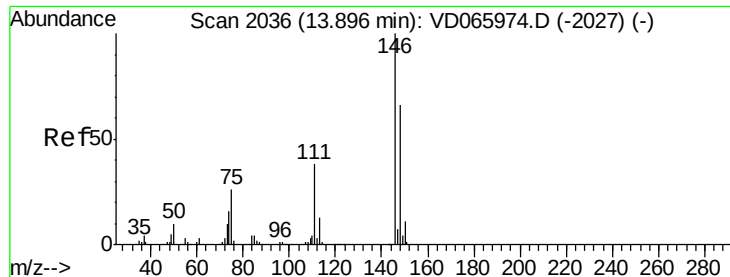
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#90
Hexachloroethane
Concen: 21.269 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	83.8	42.0	126.1	





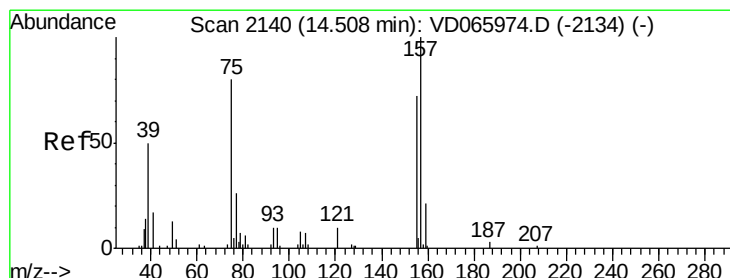
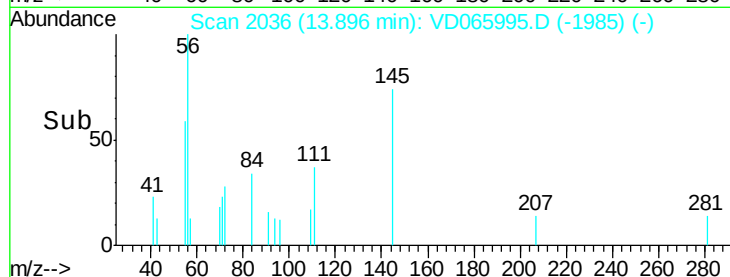
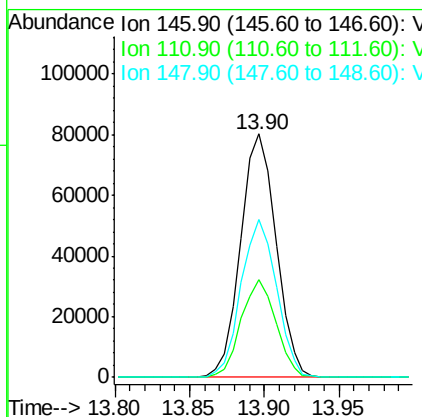
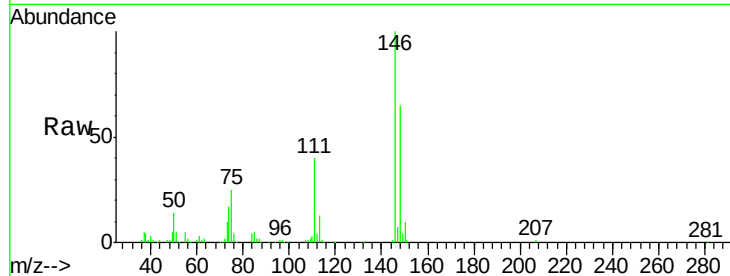
#91
 1,2-Dichlorobenzene
 Concen: 21.815 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065995.D
 Acq: 22 Jul 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.3	57.9
148	65.0	32.7	98.1

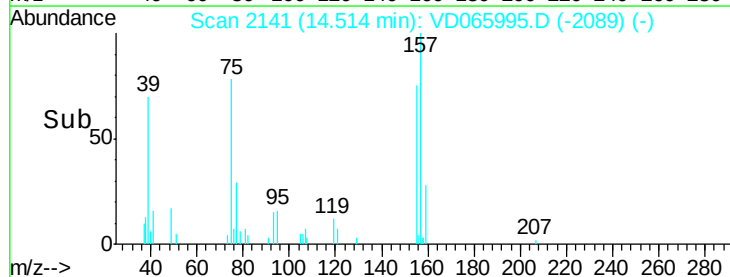
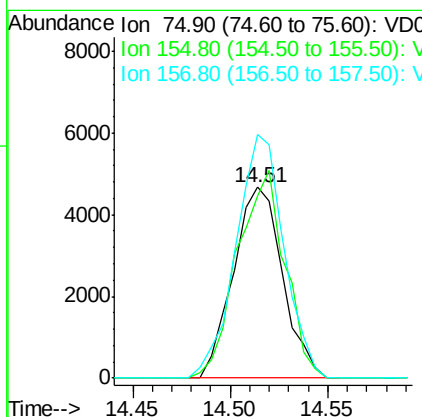
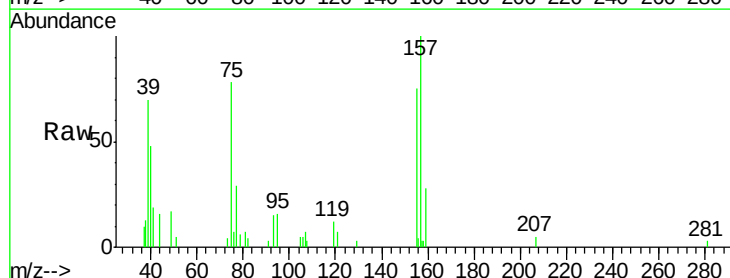
Manual Integrations
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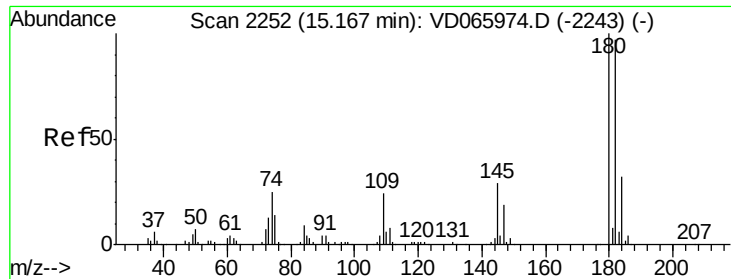
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.321 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD065995.D
 Acq: 22 Jul 2020 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.5	48.5	145.5
157	124.8	64.7	194.1





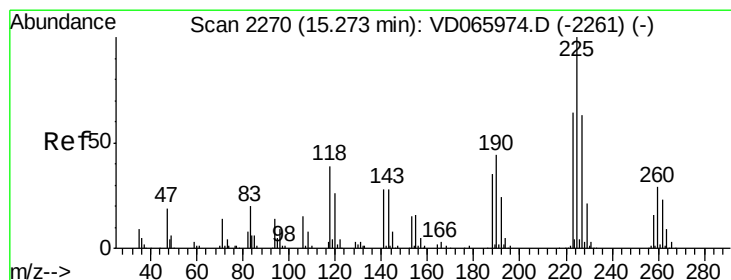
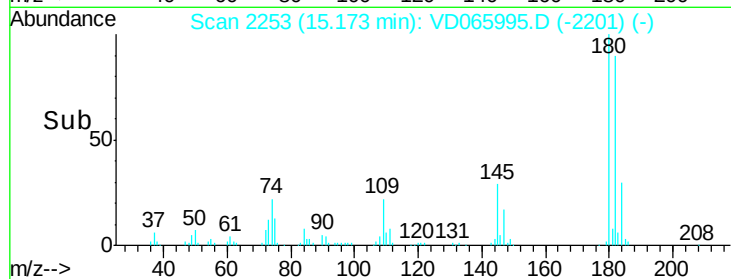
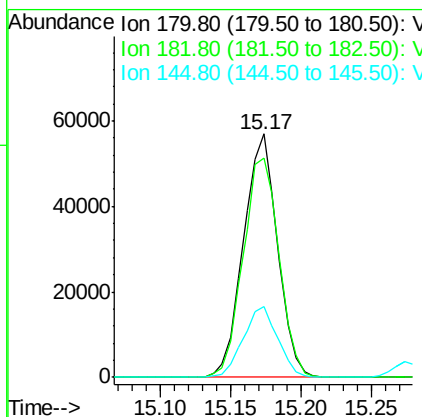
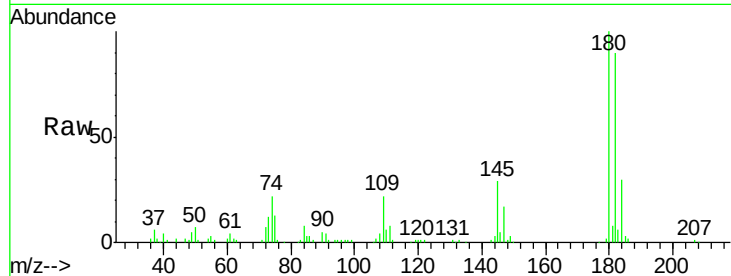
#93
 1,2,4-Trichlorobenzene
 Concen: 22.055 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD065995.D
 Acq: 22 Jul 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.1	144.3
145	29.5	14.7	44.1

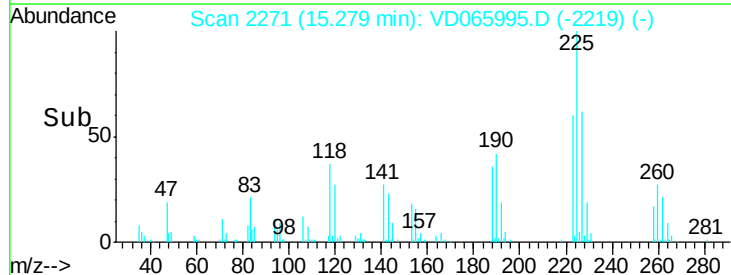
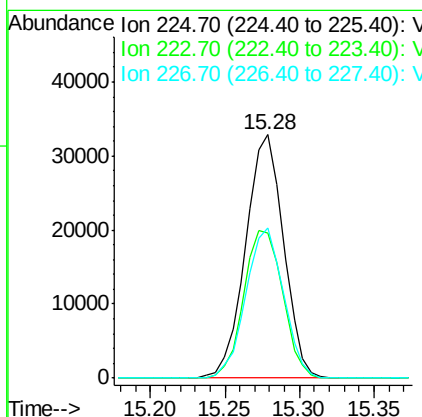
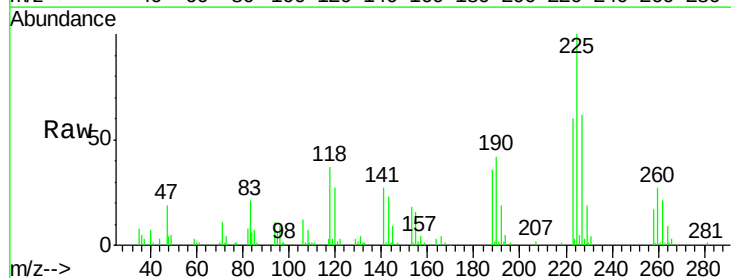
Manual Integrations
 APPROVED

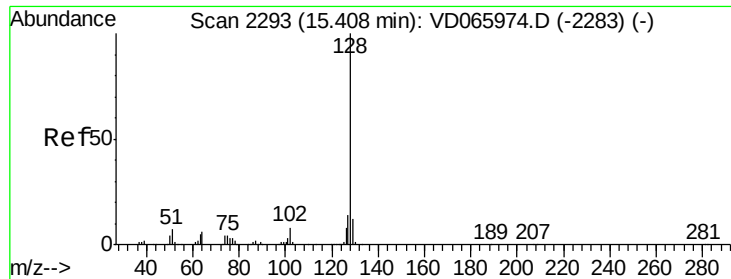
MMDadoda
 7/23/2020 2:14:33 PM



#94
 Hexachlorobutadiene
 Concen: 21.368 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD065995.D
 Acq: 22 Jul 2020 12:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.2	93.6
227	61.2	31.6	94.8





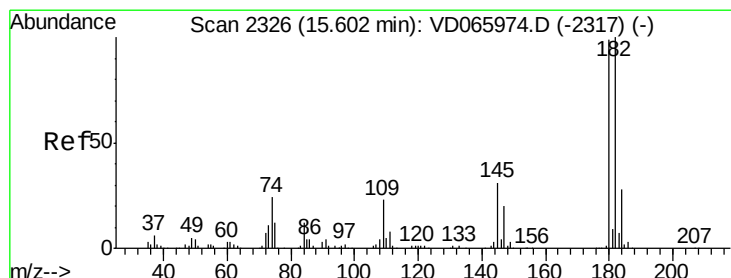
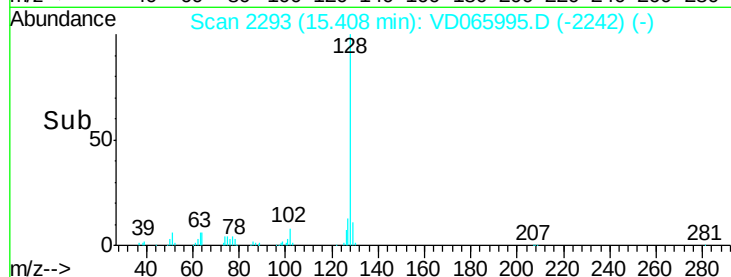
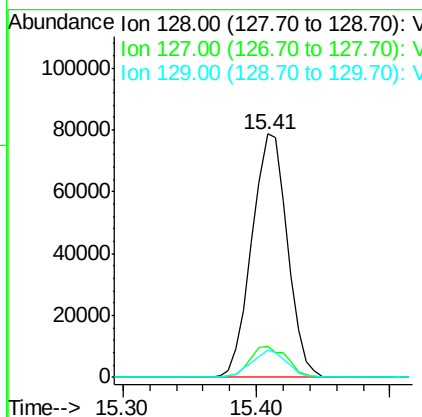
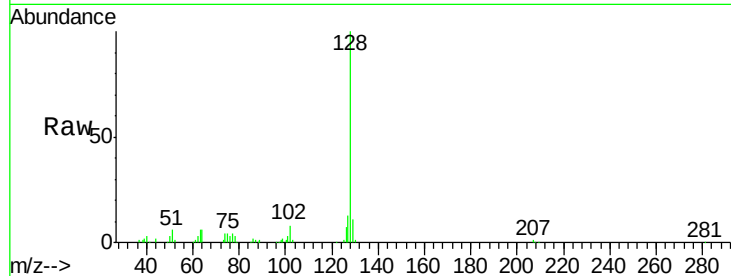
#95
Naphthalene
Concen: 20.889 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	144831		
127	13.5	10.8	16.2	
129	11.1	8.9	13.3	

Manual Integrations
APPROVED

MMDadoda
7/23/2020 2:14:33 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.730 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD065995.D
Acq: 22 Jul 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	82423		
182	94.5	47.9	143.6	
145	29.8	15.4	46.2	

