

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022120\
 Data File : VD065269.D
 Acq On : 21 Feb 2020 12:17
 Operator : VA/SY
 Sample : VD0221SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0221SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:08:47 AM

Quant Time: Feb 22 02:33:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	501285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	755940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	670160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	325772	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	202583	44.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.84%	
35) Dibromofluoromethane	7.92	113	212465	46.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.20%	
50) Toluene-d8	10.34	98	865077	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.64	95	265820	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	75501	17.957	ug/l	97
3) Chloromethane	2.21	50	101131	18.898	ug/l	97
4) Vinyl Chloride	2.36	62	102443	18.825	ug/l	100
5) Bromomethane	2.77	94	62637	19.037	ug/l	95
6) Chloroethane	2.93	64	65144	19.612	ug/l	98
7) Trichlorofluoromethane	3.27	101	148262	19.030	ug/l	97
8) Diethyl Ether	3.71	74	43615	18.546	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	98282	19.976	ug/l	99
10) Methyl Iodide	4.30	142	94009	18.403	ug/l	99
11) Tert butyl alcohol	5.24	59	25812	95.786	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	90763	19.529	ug/l	98
13) Acrolein	3.93	56	35516	88.724	ug/l	100
14) Allyl chloride	4.72	41	142176	18.838	ug/l	99
15) Acrylonitrile	5.44	53	91863	88.229	ug/l	99
16) Acetone	4.16	43	91773	83.251	ug/l	98
17) Carbon Disulfide	4.40	76	298535	19.159	ug/l	98
18) Methyl Acetate	4.73	43	44178	17.819	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	167063	17.237	ug/l	99
20) Methylene Chloride	4.97	84	111251	19.895	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	103512	19.591	ug/l	99
22) Diisopropyl ether	6.37	45	275846	18.959	ug/l	98
23) Vinyl Acetate	6.31	43	682572	85.096	ug/l	100
24) 1,1-Dichloroethane	6.27	63	177073	19.621	ug/l	98
25) 2-Butanone	7.23	43	113818	81.605	ug/l	95
26) 2,2-Dichloropropane	7.21	77	153086	19.551	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	107851	19.271	ug/l	98
28) Bromochloromethane	7.55	49	56247	16.800	ug/l	99
29) Tetrahydrofuran	7.57	42	69075	84.526	ug/l	99
30) Chloroform	7.71	83	171456	18.858	ug/l	100
31) Cyclohexane	7.98	56	170215	19.197	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	158352	19.466	ug/l	100
36) 1,1-Dichloropropene	8.11	75	144725	19.676	ug/l	99
37) Ethyl Acetate	7.30	43	50591	16.453	ug/l	97
38) Carbon Tetrachloride	8.10	117	149408	19.954	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	167488	19.369	ug/l	96
40) Benzene	8.36	78	399735	19.254	ug/l	98
41) Methacrylonitrile	7.53	41	31816	17.920	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	102282	17.921	ug/l	98
43) Isopropyl Acetate	8.46	43	93396	16.703	ug/l	97
44) Trichloroethene	9.11	130	114554	19.905	ug/l	94
45) 1,2-Dichloropropane	9.39	63	98542	19.088	ug/l	100
46) Dibromomethane	9.48	93	47949	18.052	ug/l	98
47) Bromodichloromethane	9.67	83	128019	18.289	ug/l	99
48) Methyl methacrylate	9.46	41	48167	18.636	ug/l	94
49) 1,4-Dioxane	9.47	88	9894	317.595	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	236092	83.130	ug/l	99
52) Toluene	10.41	92	255421	19.876	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	115641	17.823	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	146097	18.647	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	66929	17.902	ug/l	97
56) Ethyl methacrylate	10.67	69	72574	16.818	ug/l	99
57) 1,3-Dichloropropane	10.95	76	116393	18.292	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	115362	84.798	ug/l	100
59) 2-Hexanone	10.99	43	163446	80.396	ug/l	100
60) Dibromochloromethane	11.14	129	88566	18.509	ug/l	100
61) 1,2-Dibromoethane	11.25	107	62307	17.602	ug/l	98
64) Tetrachloroethene	10.88	164	97516	20.517	ug/l	97
65) Chlorobenzene	11.67	112	263672	19.606	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	95207	18.971	ug/l	97
67) Ethyl Benzene	11.75	91	470305	19.967	ug/l	100
68) m/p-Xylenes	11.86	106	361882	40.158	ug/l	98
69) o-Xylene	12.18	106	157448	19.721	ug/l	99
70) Styrene	12.20	104	282397	19.923	ug/l	99
71) Bromoform	12.37	173	49602	17.811	ug/l #	100
73) Isopropylbenzene	12.48	105	441367	20.464	ug/l	100
74) N-amyl acetate	12.30	43	79595	16.608	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	71074	18.259	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	46445m	16.756	ug/l	
77) Bromobenzene	12.77	156	103523	19.330	ug/l	98
78) n-propylbenzene	12.83	91	539045	20.798	ug/l	99
79) 2-Chlorotoluene	12.91	91	294756	20.301	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	369808	20.818	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	22298	17.370	ug/l	97
82) 4-Chlorotoluene	13.01	91	313637	20.347	ug/l	99
83) tert-Butylbenzene	13.23	119	297532	19.984	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	364146	20.481	ug/l	98
85) sec-Butylbenzene	13.41	105	437064	20.373	ug/l	100
86) p-Isopropyltoluene	13.53	119	401473	20.464	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	200542	19.369	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	202046	19.773	ug/l	98
89) n-Butylbenzene	13.86	91	373035	20.634	ug/l	99
90) Hexachloroethane	14.12	117	79096	19.856	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	169944	19.116	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9820	16.371	ug/l	91

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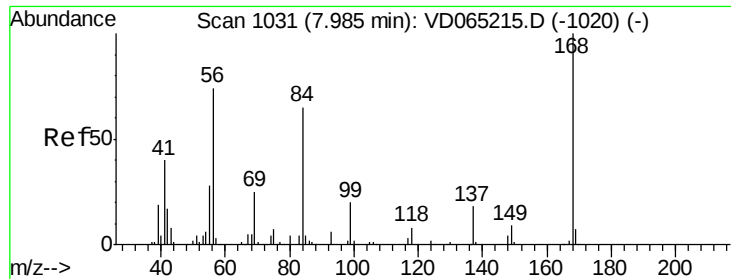
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	112014	19.263	ug/l	97
94) Hexachlorobutadiene	15.28	225	75543	20.251	ug/l	98
95) Naphthalene	15.41	128	162952	17.237	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	95846	18.872	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0221SBS01

Tot Ion:168 Resp: 501285

Ion Ratio Lower Upper

168 100

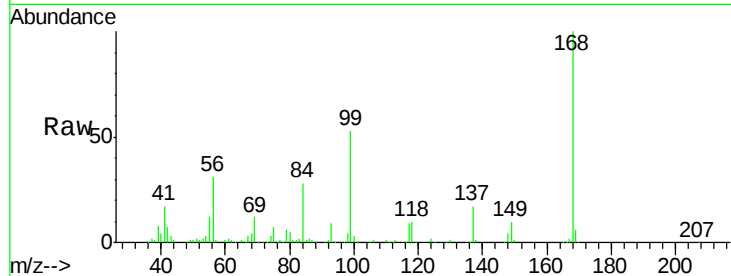
99 52.5 41.4 62.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

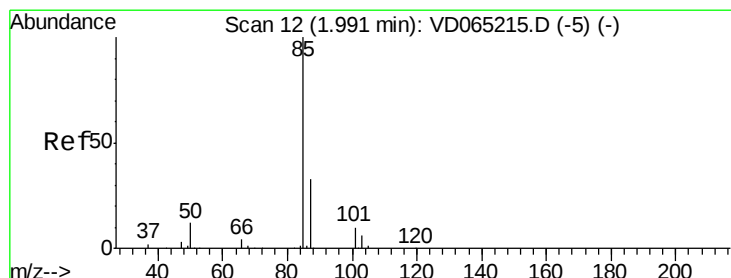
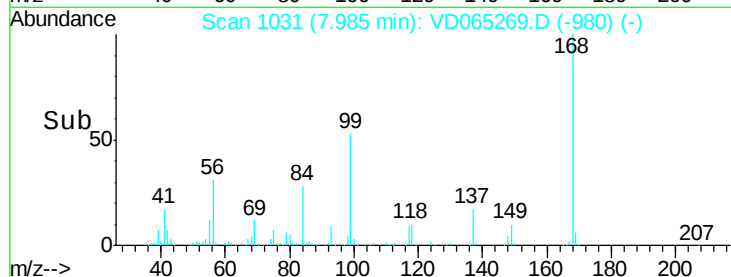
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.957 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065269.D

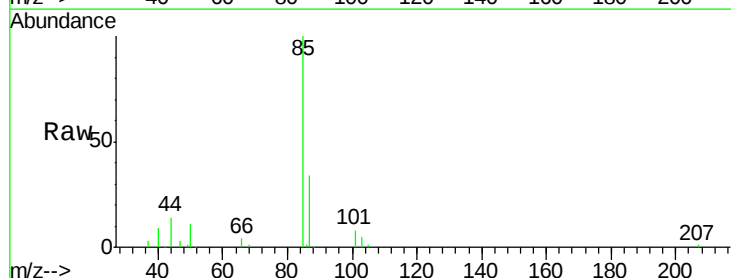
Acq: 21 Feb 2020 12:17

Tgt Ion: 85 Resp: 75501

Ion Ratio Lower Upper

85 100

87 34.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

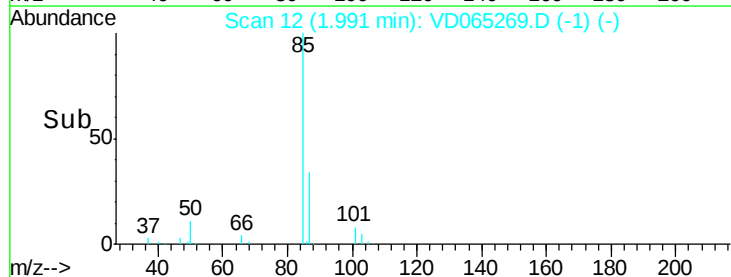
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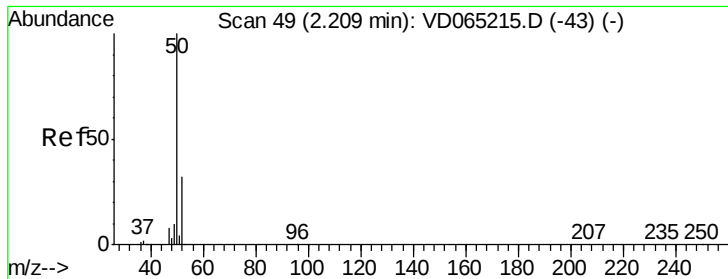
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 18.898 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0221SBS01

Tot Ion: 50 Resp: 101131

Ion Ratio Lower Upper

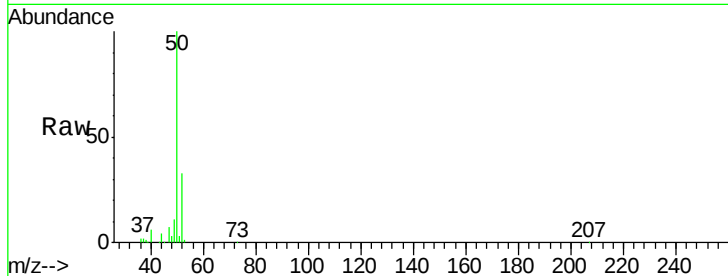
50 100

52 33.4 25.5 38.3

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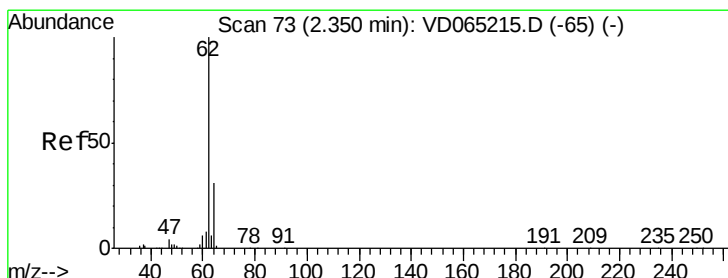
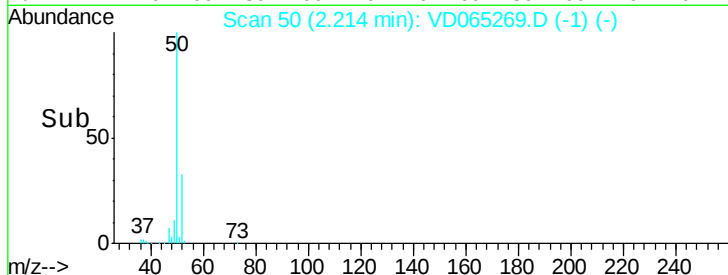
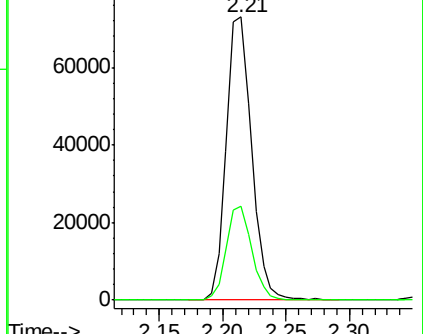
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.825 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065269.D

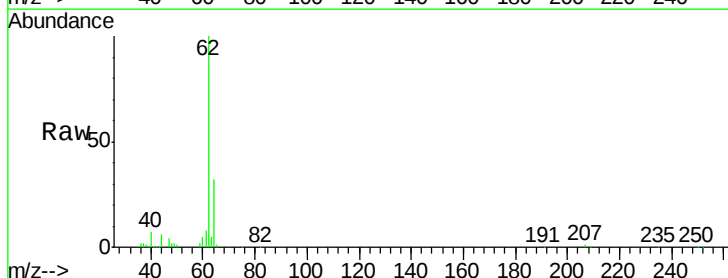
Acq: 21 Feb 2020 12:17

Tgt Ion: 62 Resp: 102443

Ion Ratio Lower Upper

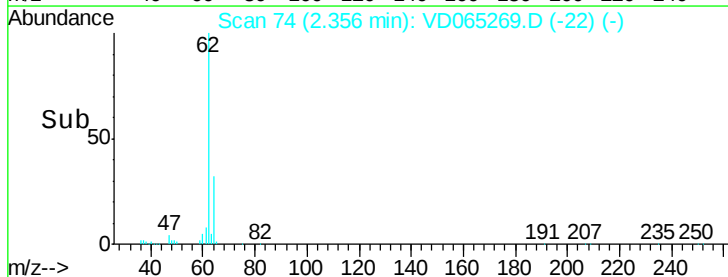
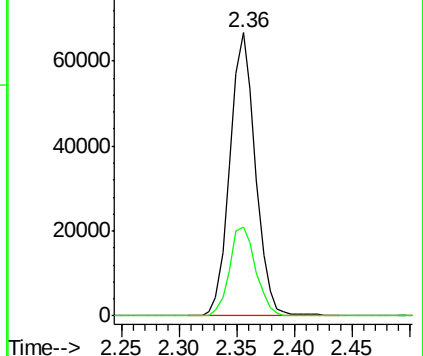
62 100

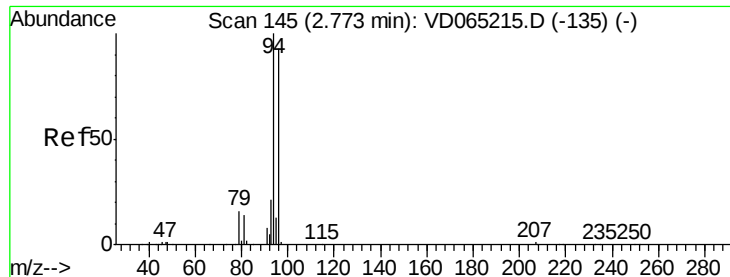
64 31.5 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.037 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0221SBS01

Tot Ion: 94 Resp: 62637

Ion Ratio Lower Upper

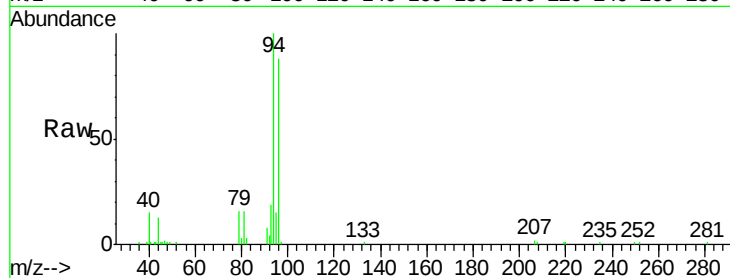
94 100

96 88.1 74.2 111.4

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

30000

25000

20000

15000

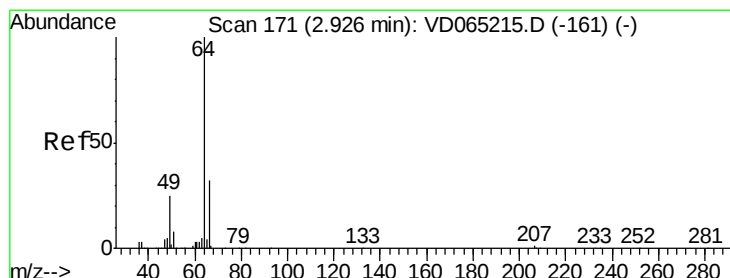
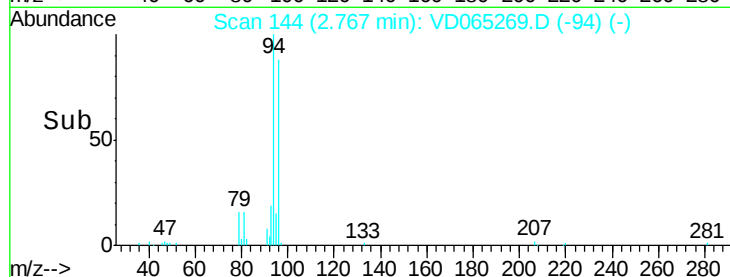
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5000

0

Time-->

2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 19.612 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065269.D

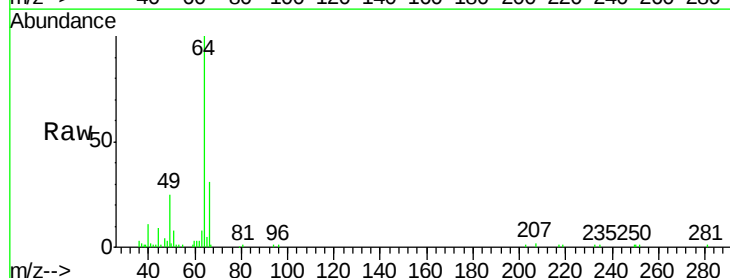
Acq: 21 Feb 2020 12:17

Tgt Ion: 64 Resp: 65144

Ion Ratio Lower Upper

64 100

66 31.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

30000

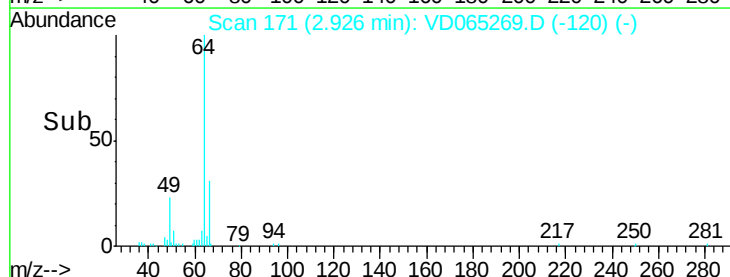
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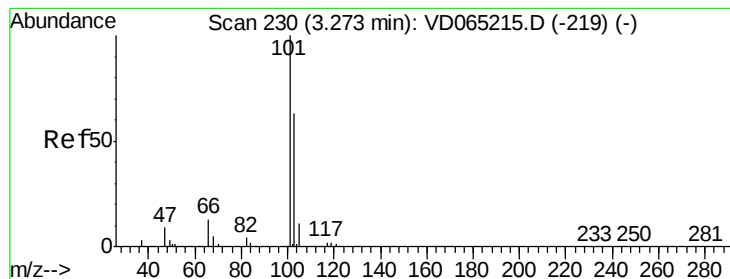
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Time-->

2.80 2.90 3.00





#7

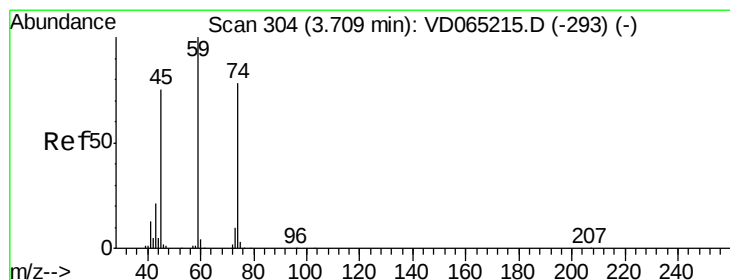
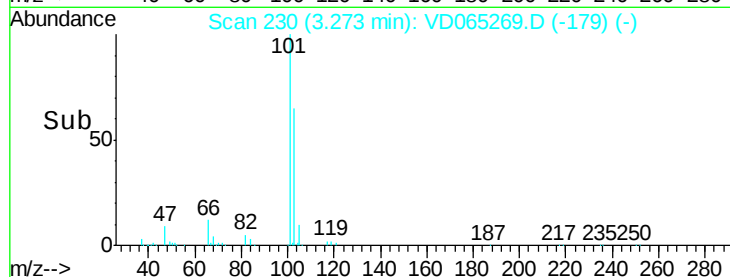
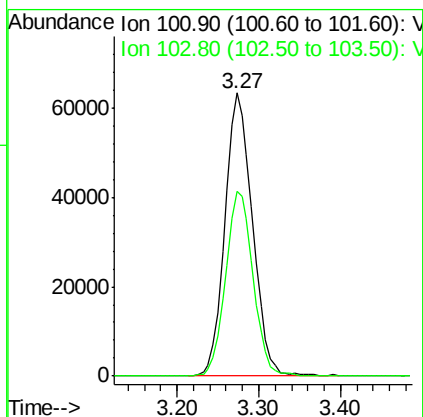
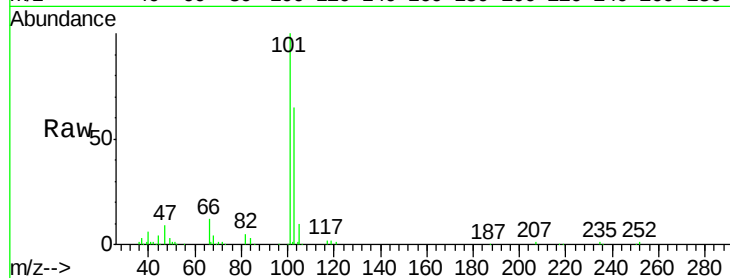
Trichlorofluoromethane
Concen: 19.030 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

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VD0221SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	50.7	76.1

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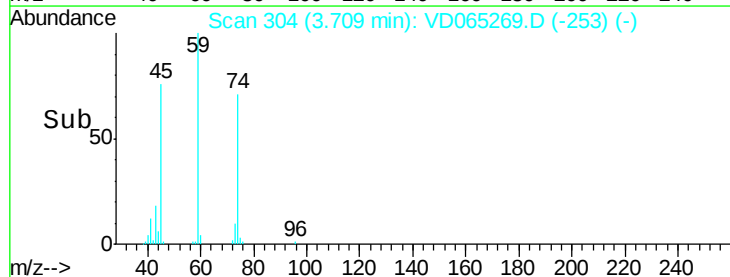
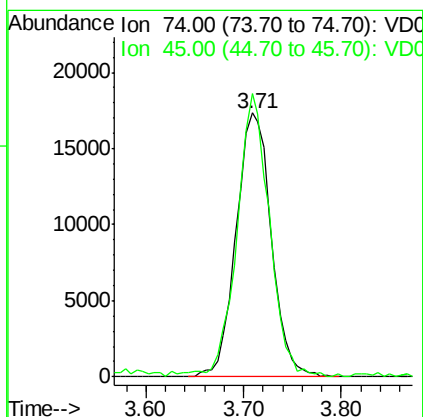
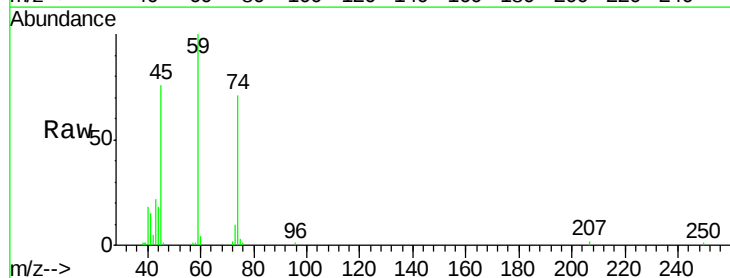
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2/24/2020 11:08:47 AM



#8

Diethyl Ether
Concen: 18.546 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.6	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.976 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065269.D

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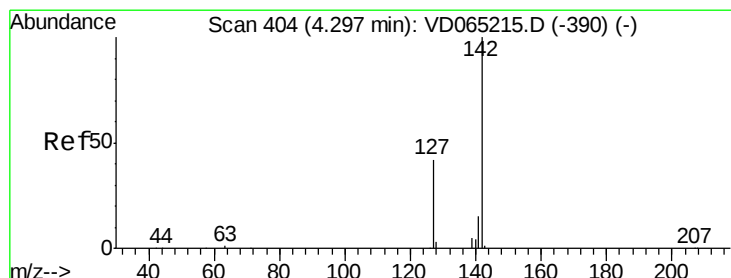
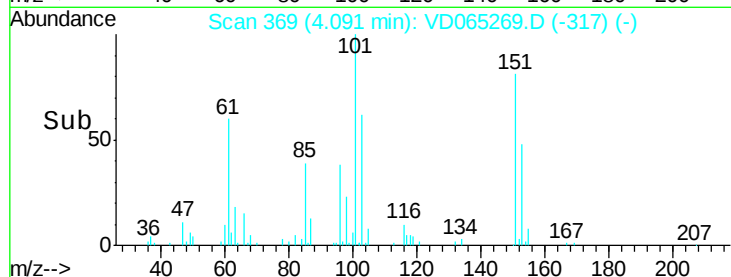
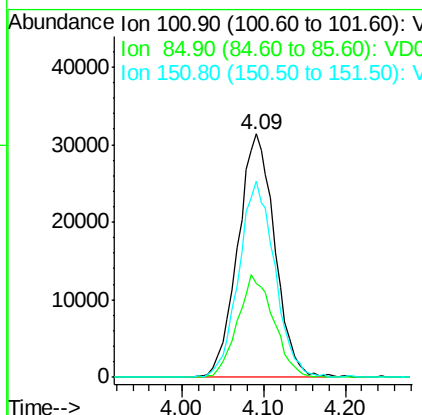
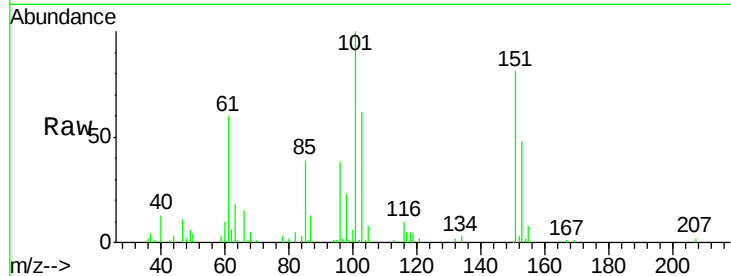
ClientSampleId :

VD0221SBS01

Tot Ion:	101	Resp:	98282
Ion Ratio	Lower	Upper	
101	100		
85	41.2	34.2	51.2
151	78.8	63.5	95.3

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#10

Methyl Iodide

Concen: 18.403 ug/l

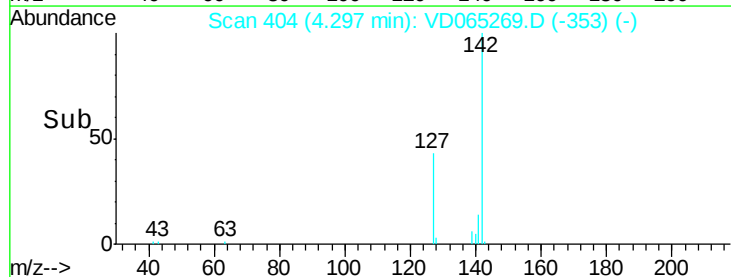
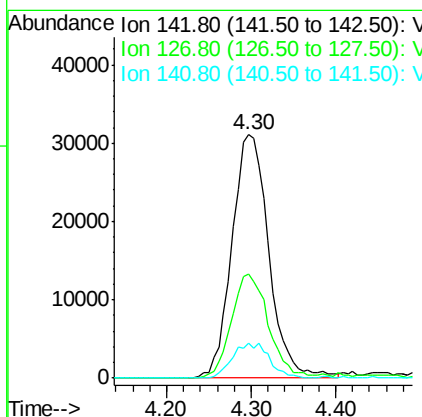
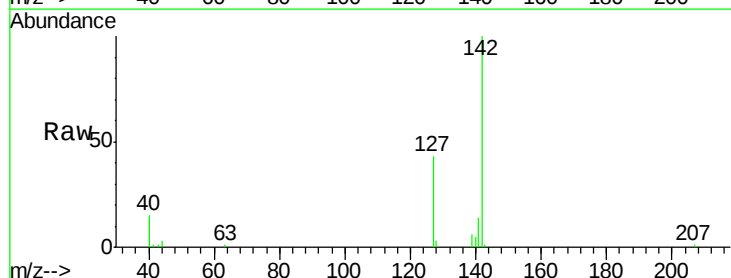
RT: 4.30 min Scan# 404

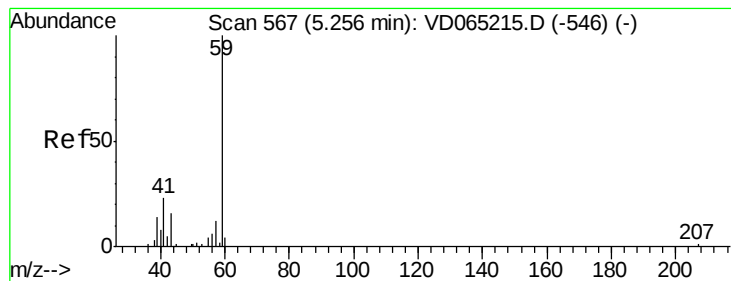
Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Tgt Ion:	142	Resp:	94009
Ion Ratio	Lower	Upper	
142	100		
127	42.5	33.8	50.8
141	14.2	11.7	17.5





#11

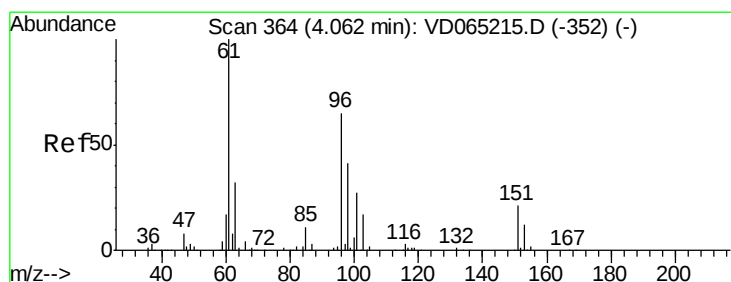
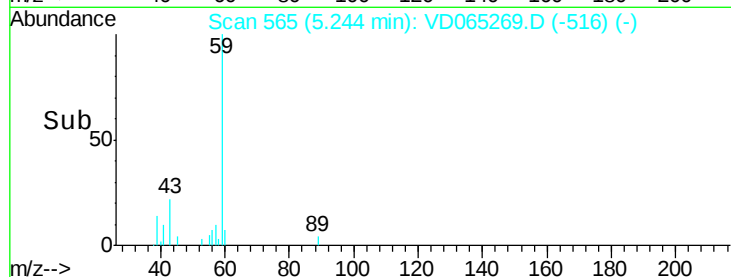
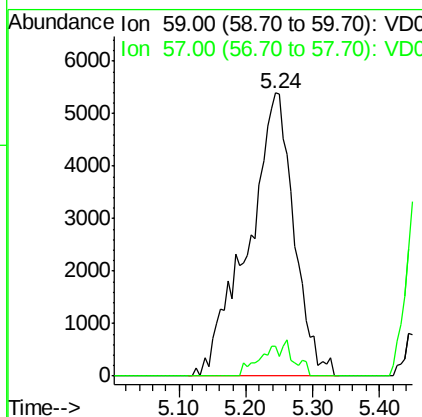
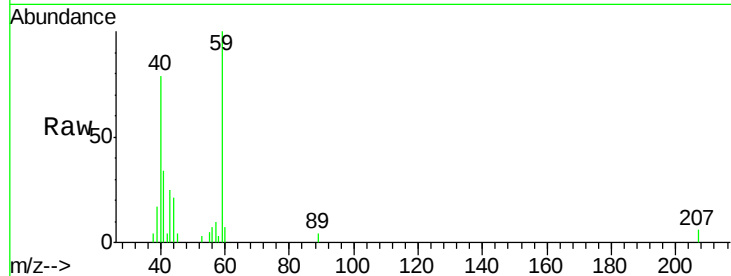
Tert butyl alcohol
Concen: 95.786 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion: 59 Resp: 25812
Ion Ratio Lower Upper
59 100
57 4.9 8.4 12.6#

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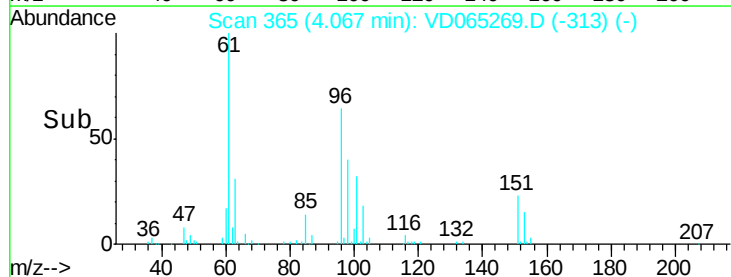
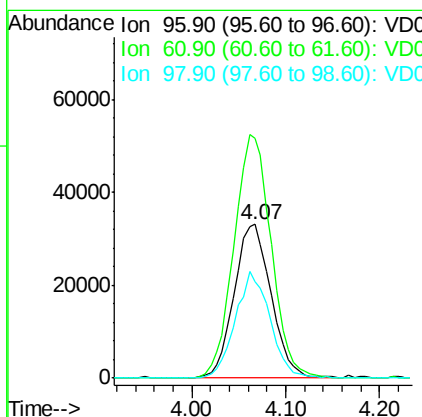
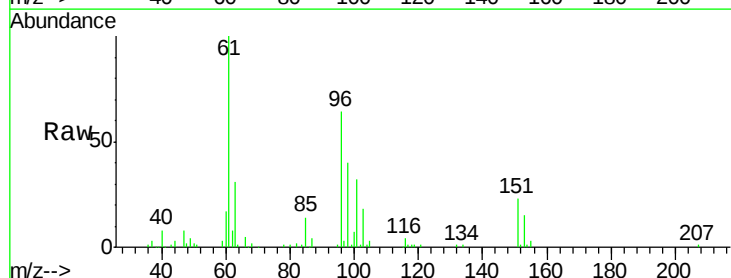
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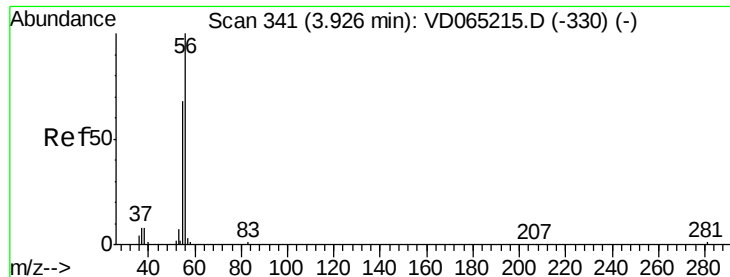


#12

1,1-Dichloroethene
Concen: 19.529 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion: 96 Resp: 90763
Ion Ratio Lower Upper
96 100
61 156.3 123.3 184.9
98 62.5 51.0 76.4





#13

Acrolein

Concen: 88.724 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0221SBS01

Tot Ion: 56 Resp: 35516

Ion Ratio Lower Upper

56 100

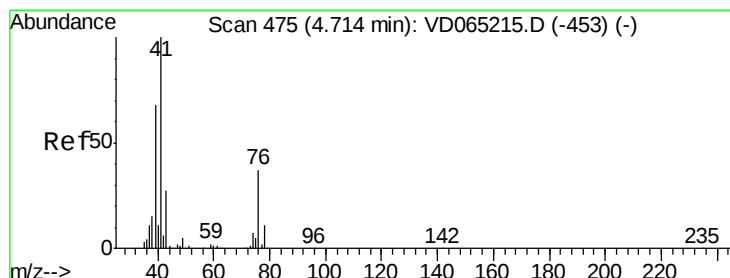
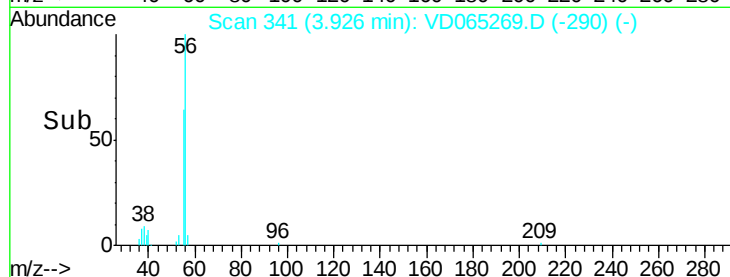
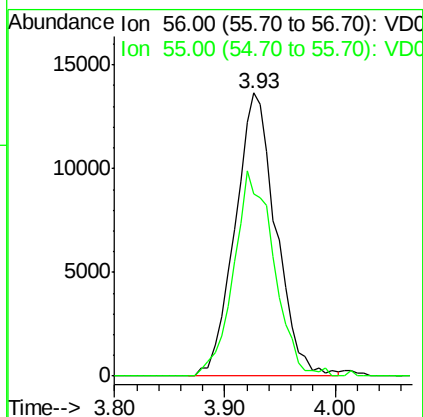
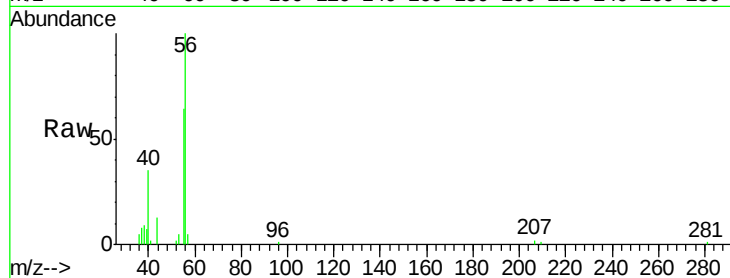
55 71.0 56.6 85.0

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#14

Allyl chloride

Concen: 18.838 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

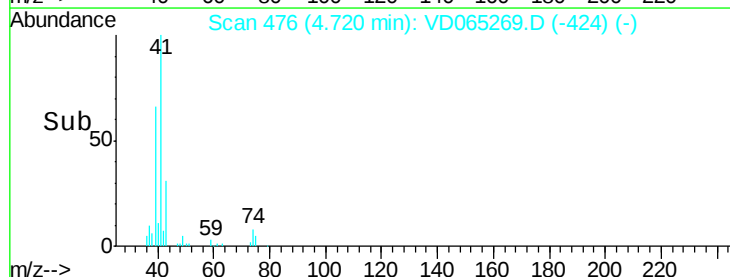
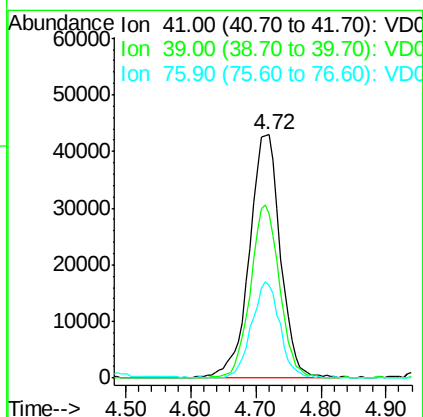
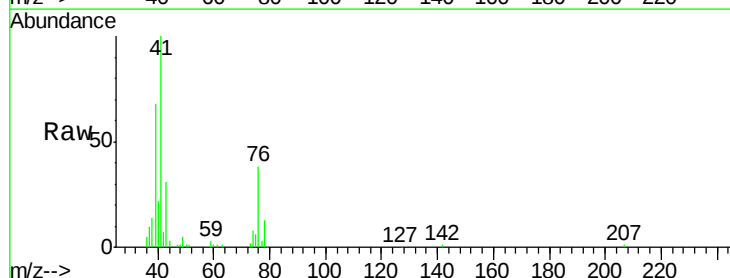
Tgt Ion: 41 Resp: 142176

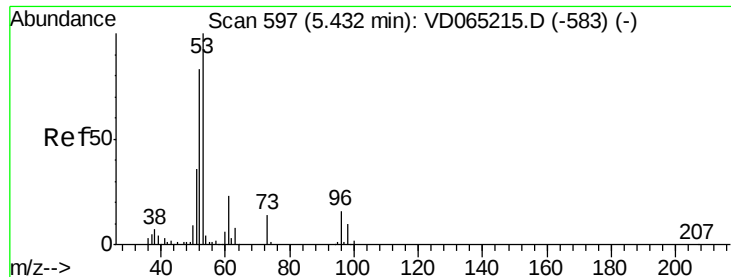
Ion Ratio Lower Upper

41 100

39 66.6 53.8 80.6

76 36.0 28.7 43.1





#15

Acrylonitrile

Concen: 88.229 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

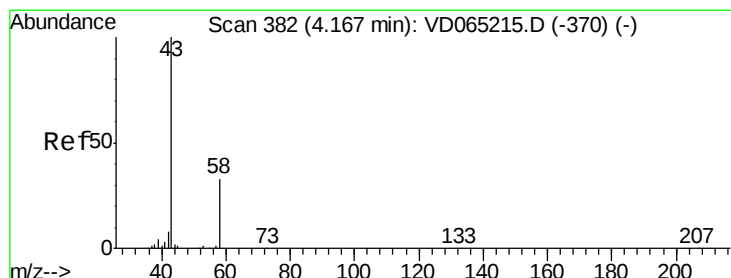
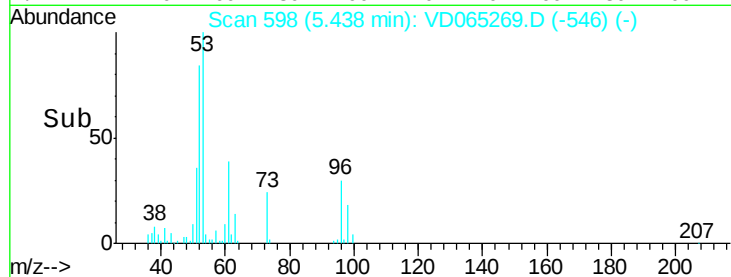
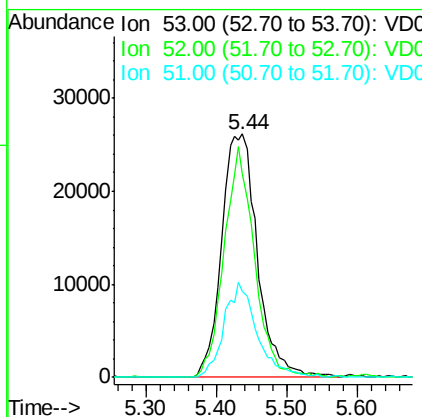
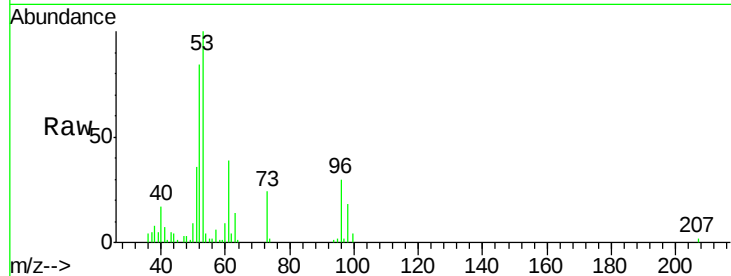
ClientSampleId :

VD0221SBS01

Tot Ion:	53	Resp:	91863
Ion Ratio	Lower	Upper	
53	100		
52	80.8	65.4	98.2
51	35.9	29.5	44.3

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#16

Acetone

Concen: 83.251 ug/l

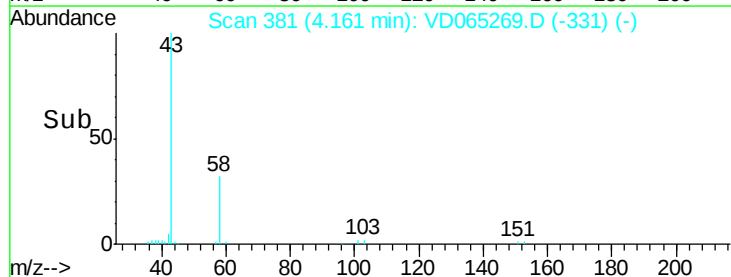
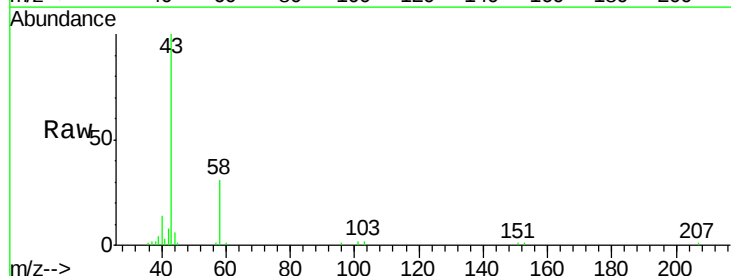
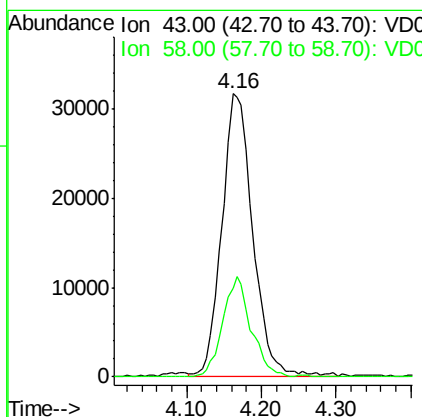
RT: 4.16 min Scan# 381

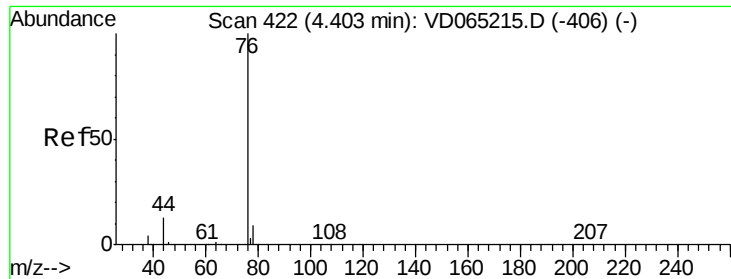
Delta R.T. -0.01 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Tgt Ion:	43	Resp:	91773
Ion Ratio	Lower	Upper	
43	100		
58	31.3	26.2	39.2





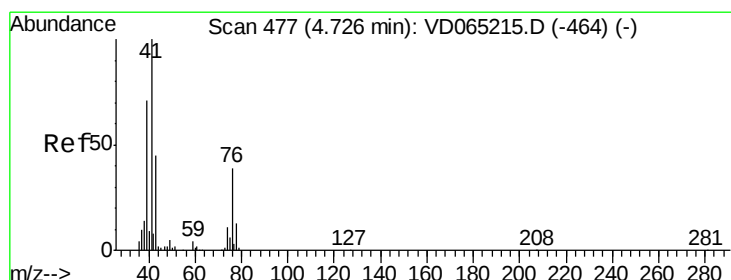
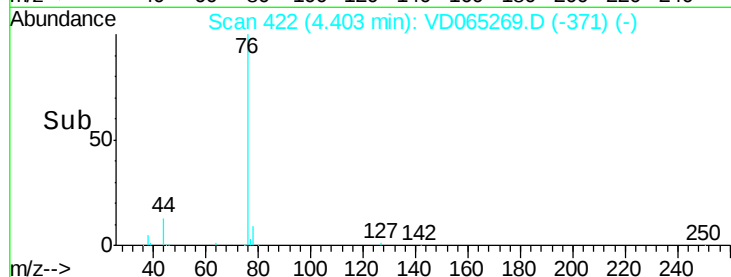
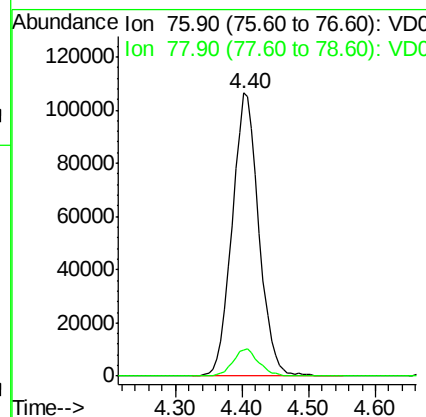
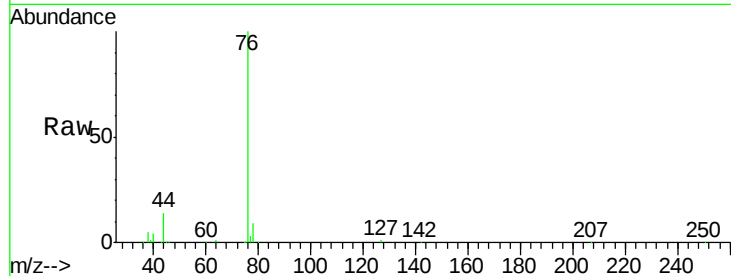
#17
Carbon Disulfide
Concen: 19.159 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	298535		
78	9.4		7.0	10.6

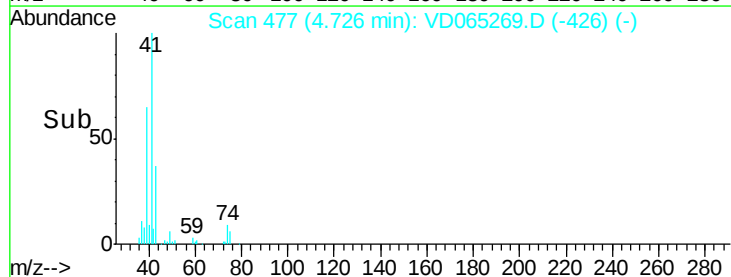
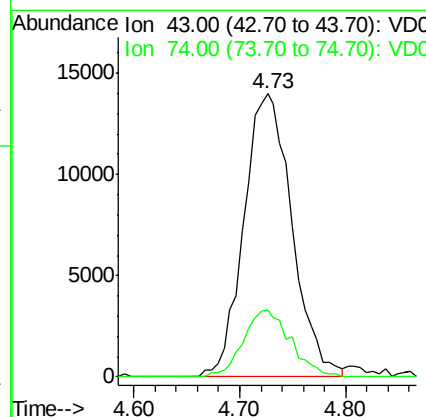
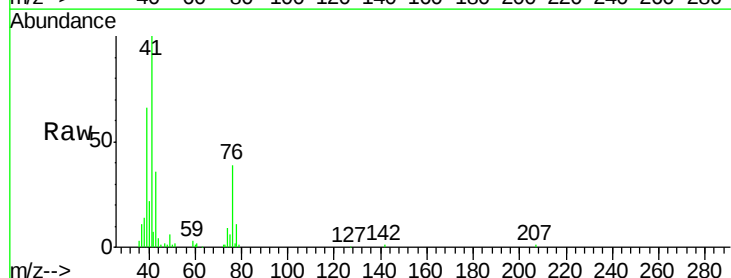
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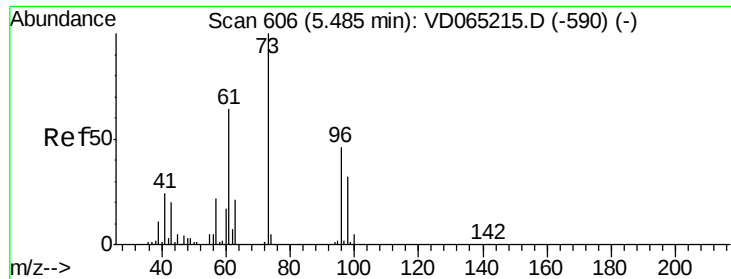
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#18
Methyl Acetate
Concen: 17.819 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	44178		
74	23.2		19.4	29.2





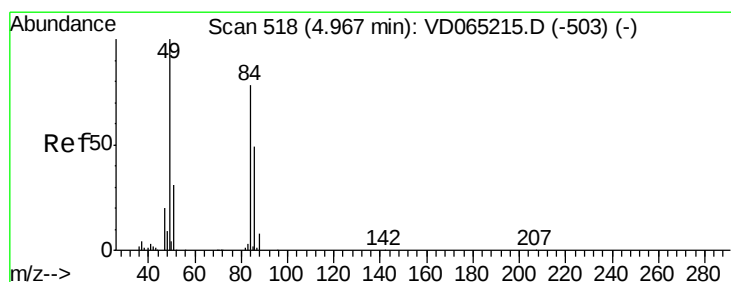
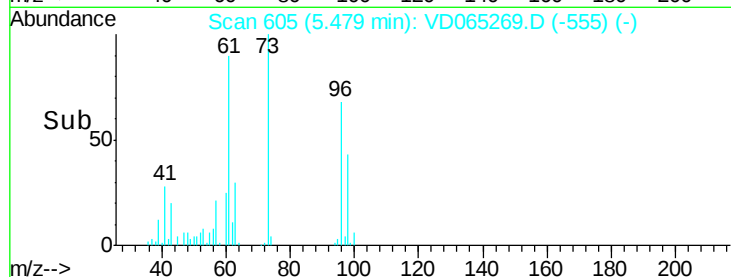
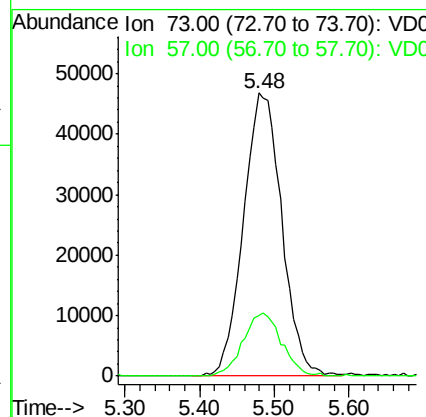
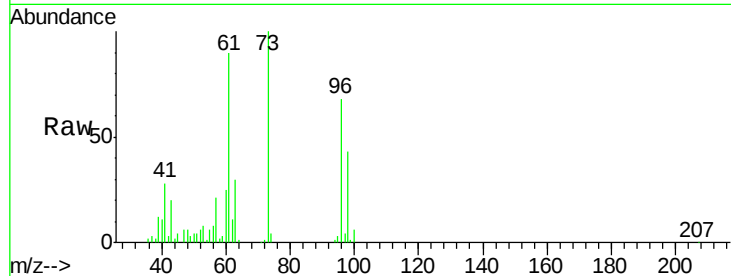
#19
Methvl tert-butvl Ether
Concen: 17.237 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion: 73 Resp: 167063
Ion Ratio Lower Upper
73 100
57 21.3 17.3 25.9

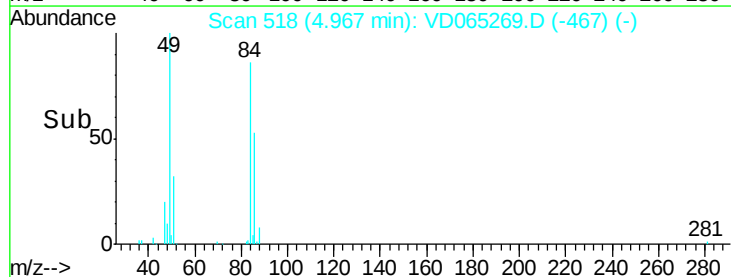
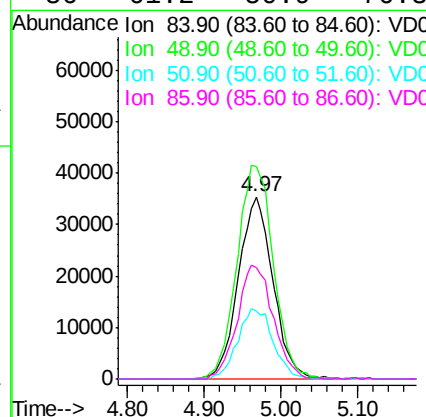
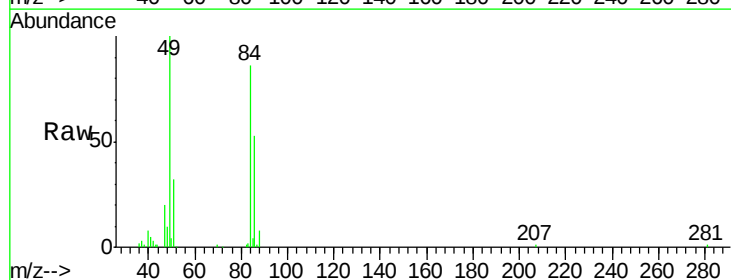
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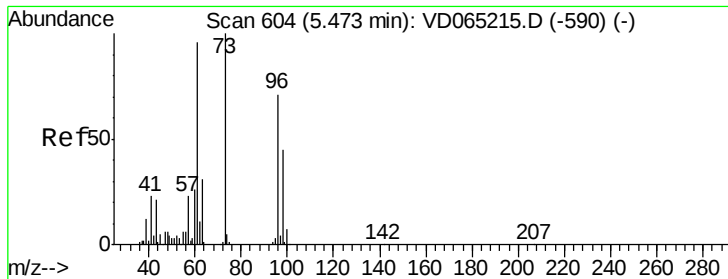
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#20
Methylene Chloride
Concen: 19.895 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion: 84 Resp: 111251
Ion Ratio Lower Upper
84 100
49 116.5 103.1 154.7
51 37.1 31.7 47.5
86 61.2 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 19.591 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

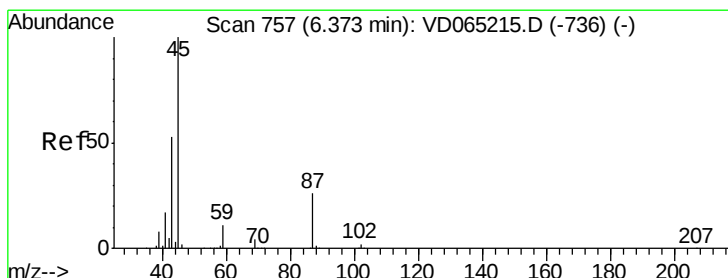
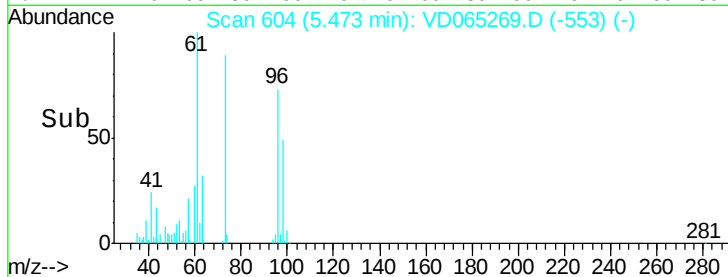
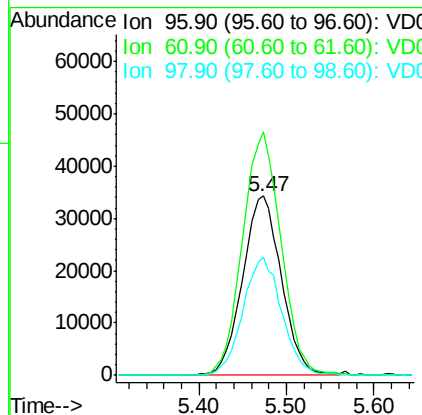
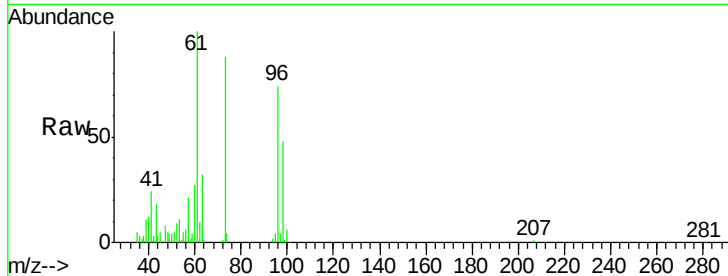
ClientSampleId :

VD0221SBS01

Tot Ion:	96	Resp:	103512
Ion	Ratio	Lower	Upper
96	100		
61	135.9	108.3	162.5
98	65.8	50.7	76.1

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#22

Diisopropyl ether

Concen: 18.959 ug/l

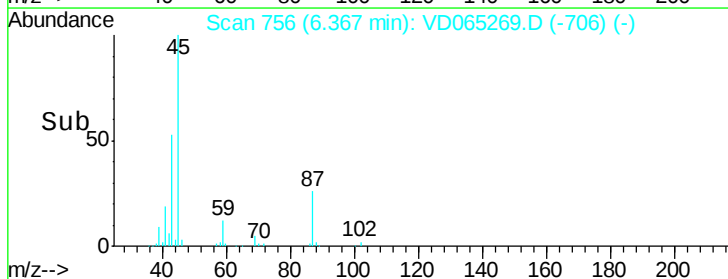
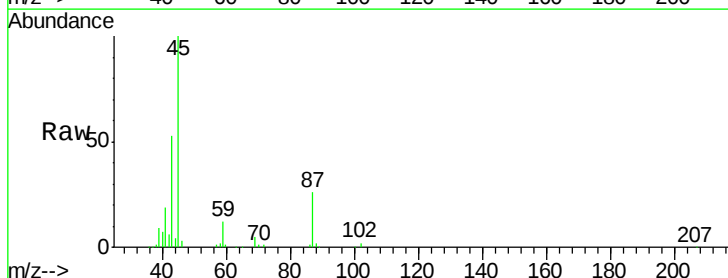
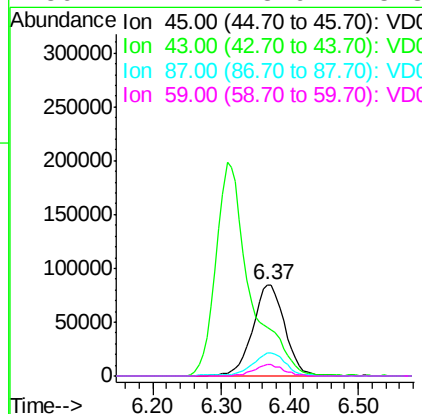
RT: 6.37 min Scan# 756

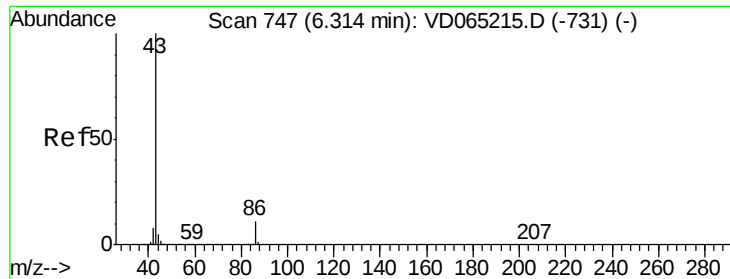
Delta R.T. -0.01 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Tgt Ion:	45	Resp:	275846
Ion	Ratio	Lower	Upper
45	100		
43	51.7	42.6	64.0
87	25.5	21.2	31.8
59	12.2	8.9	13.3





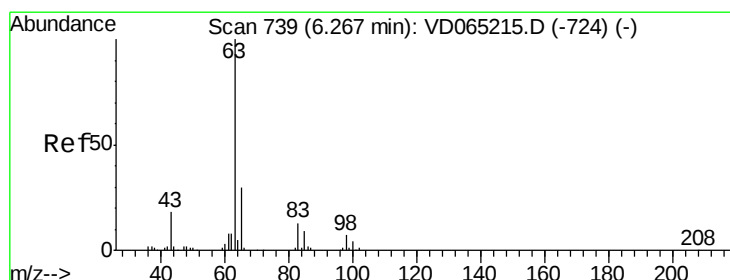
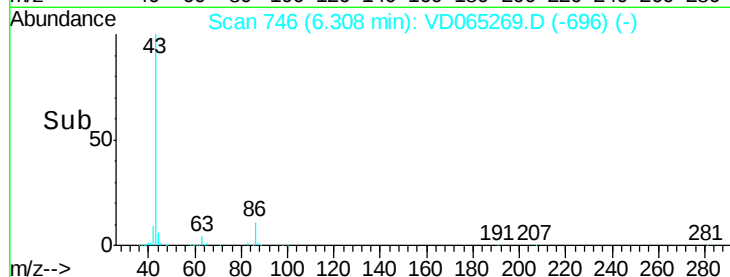
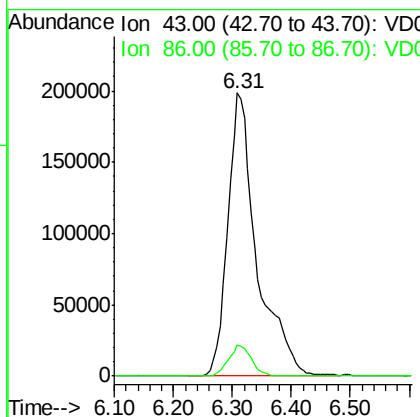
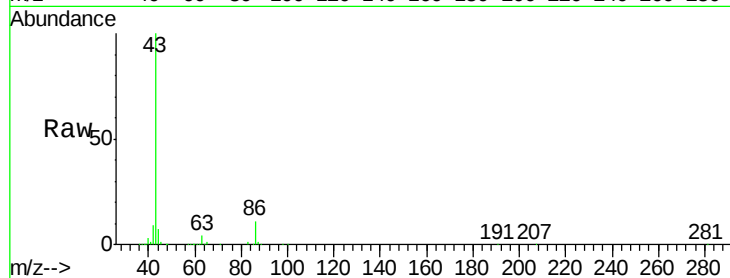
#23
 Vinyl Acetate
 Concen: 85.096 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0221SBS01

Tot Ion	43	Resp	682572
Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.6	12.8

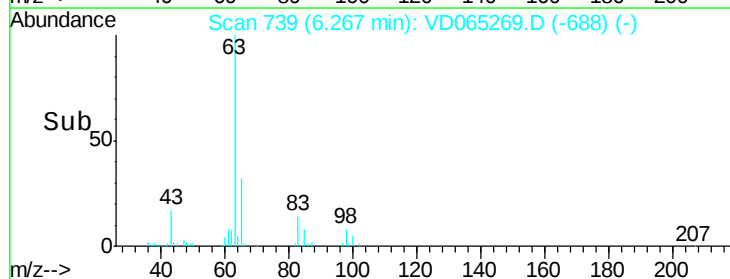
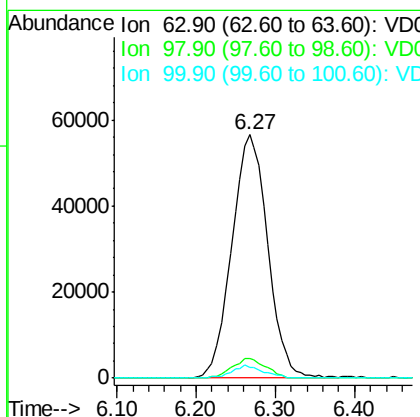
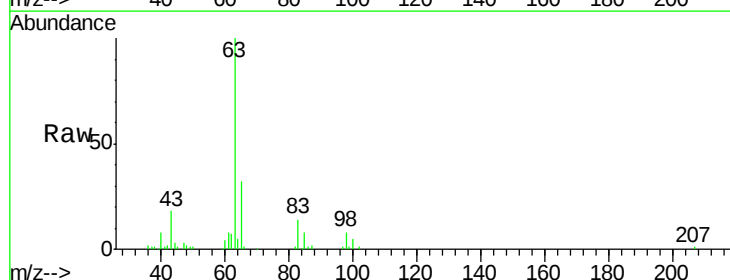
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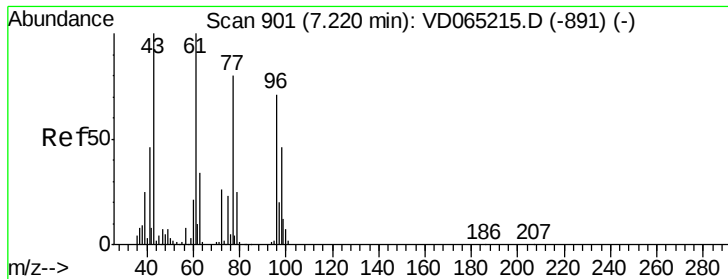
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#24
 1,1-Dichloroethane
 Concen: 19.621 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Tgt Ion	63	Resp	177073
Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.4	10.1
100	4.6	2.3	6.8





#25

2-Butanone

Concen: 81.605 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0221SBS01

Tot Ion: 43 Resp: 113818

Ion Ratio Lower Upper

43 100

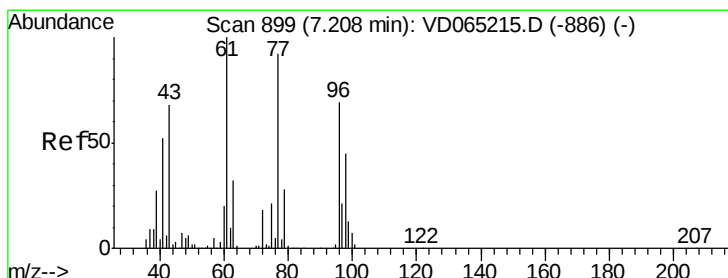
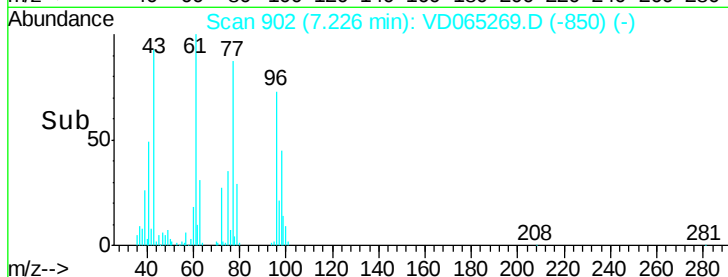
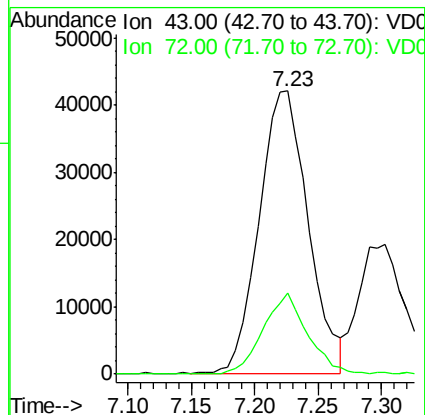
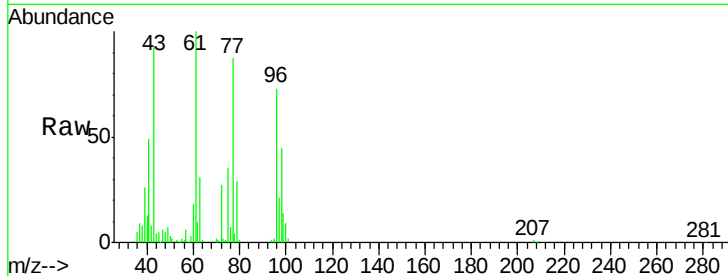
72 28.6 20.9 31.3

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#26

2,2-Dichloropropane

Concen: 19.551 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065269.D

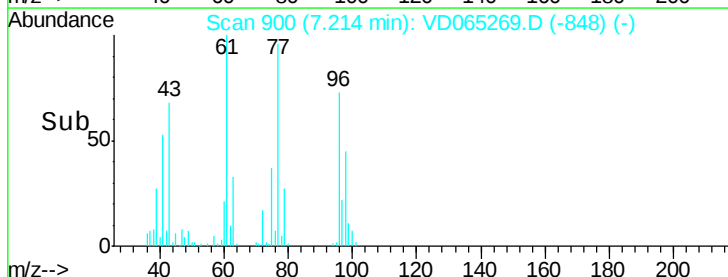
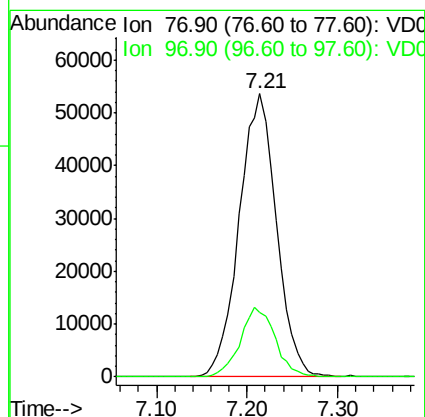
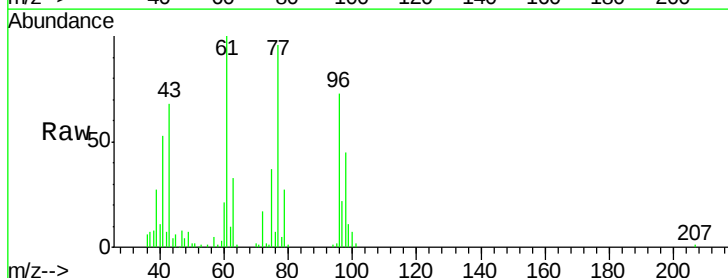
Acq: 21 Feb 2020 12:17

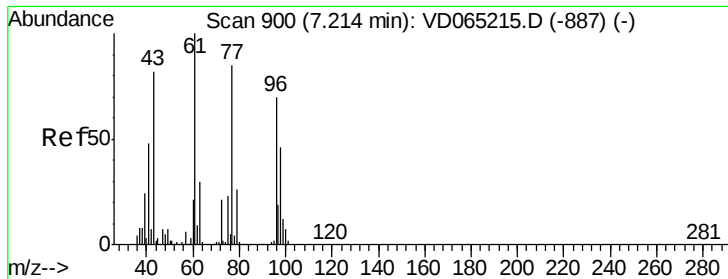
Tgt Ion: 77 Resp: 153086

Ion Ratio Lower Upper

77 100

97 23.0 11.7 35.1





#27

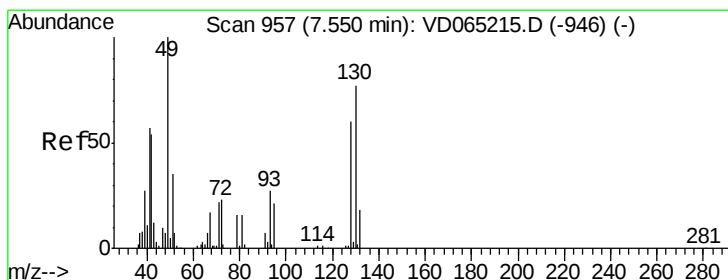
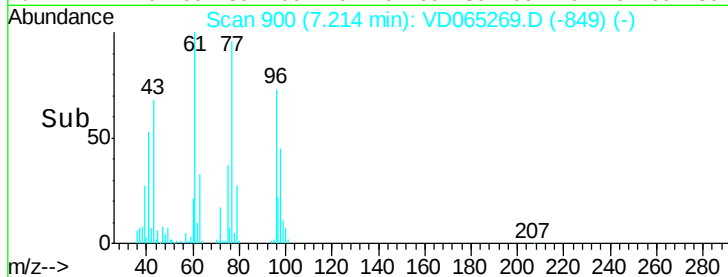
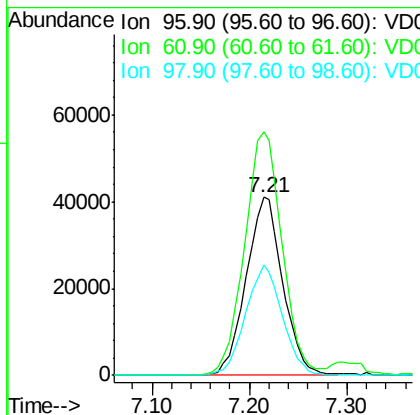
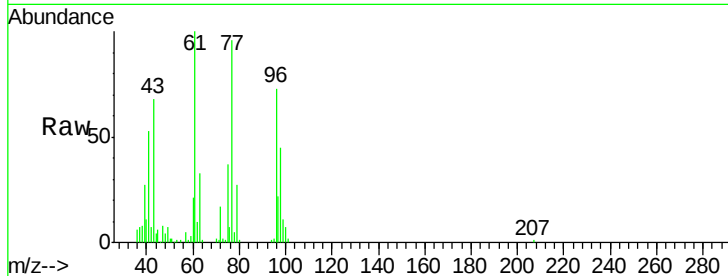
cis-1,2-Dichloroethene
 Concen: 19.271 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0221SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	286.0
98	62.1	0.0	127.8

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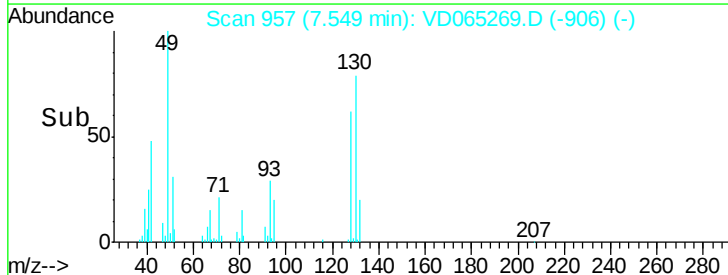
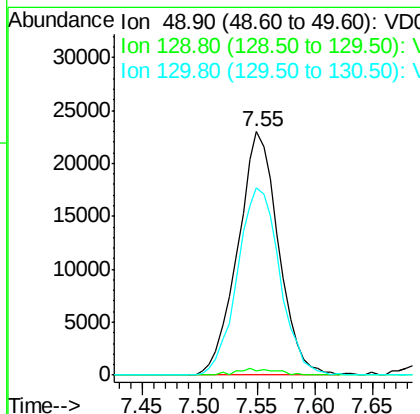
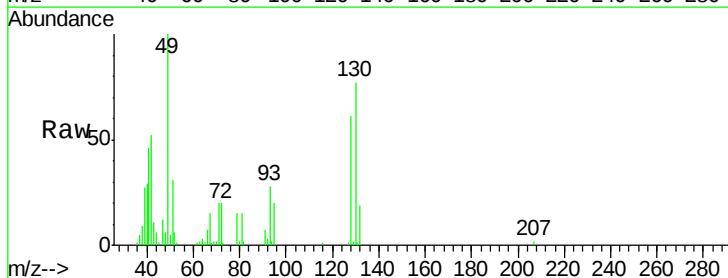
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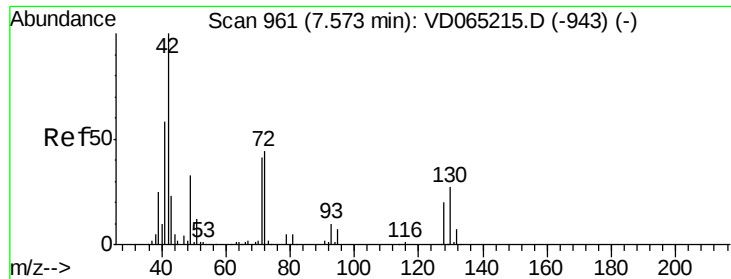


#28

Bromochloromethane
 Concen: 16.800 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.6
130	80.1	64.7	97.1





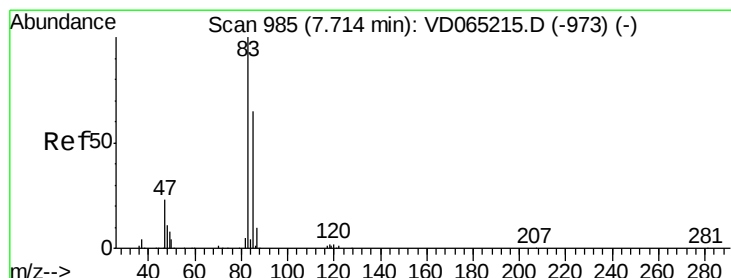
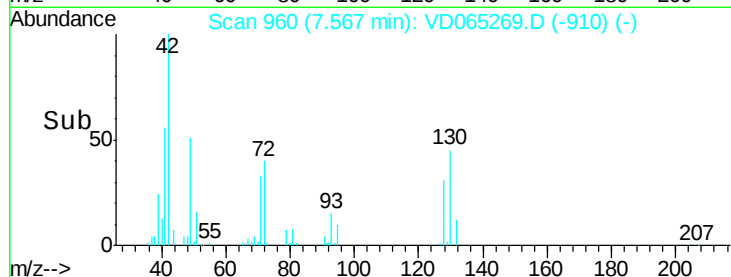
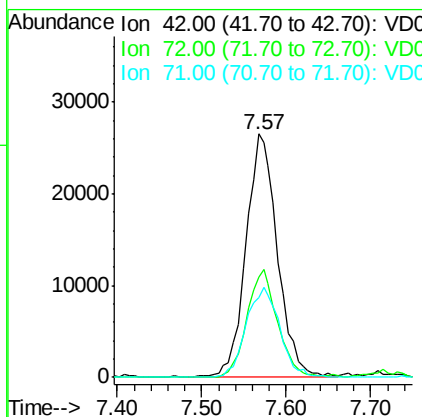
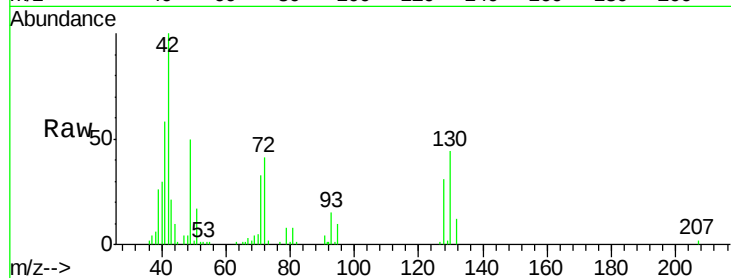
#29
Tetrahydrofuran
Concen: 84.526 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.7	50.5
71	39.4	31.4	47.2

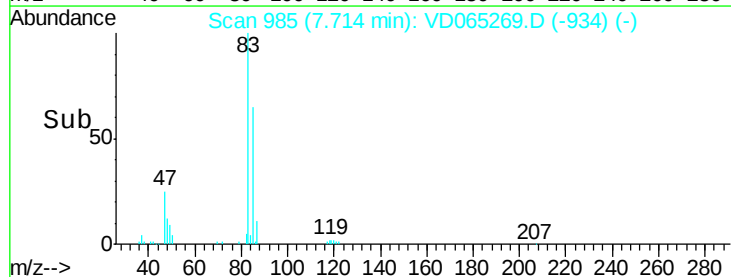
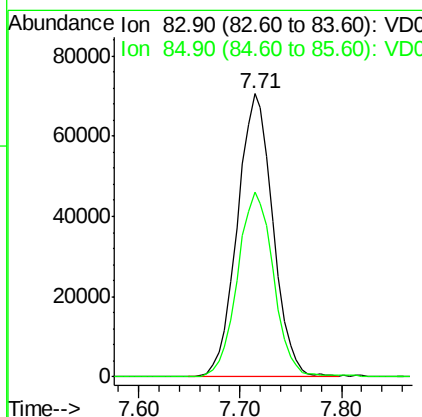
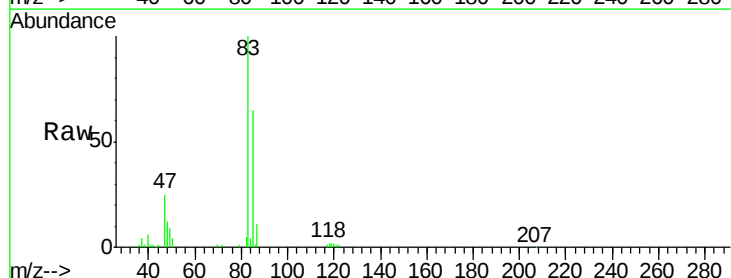
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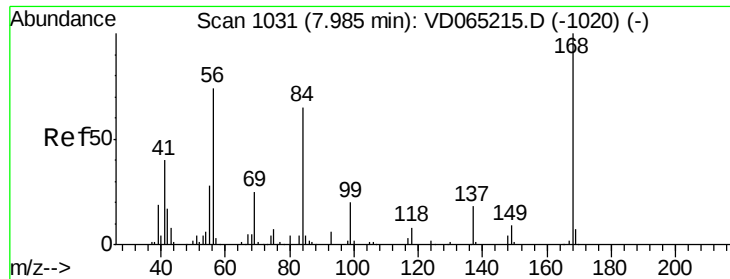
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#30
Chloroform
Concen: 18.858 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.3	78.5





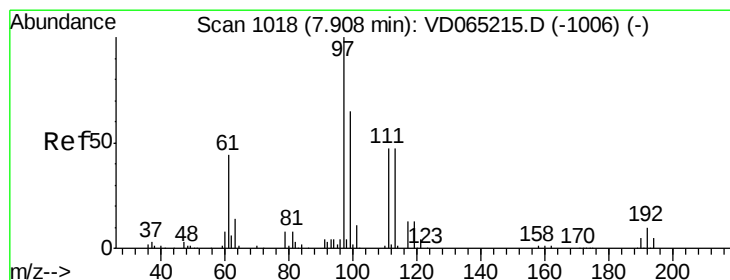
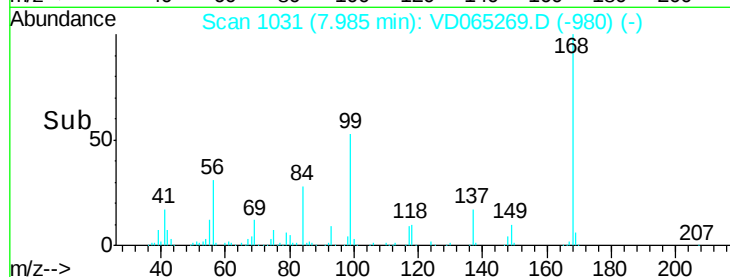
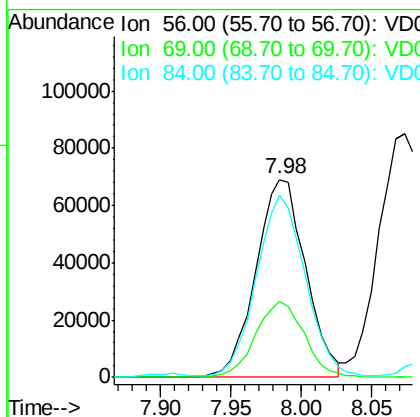
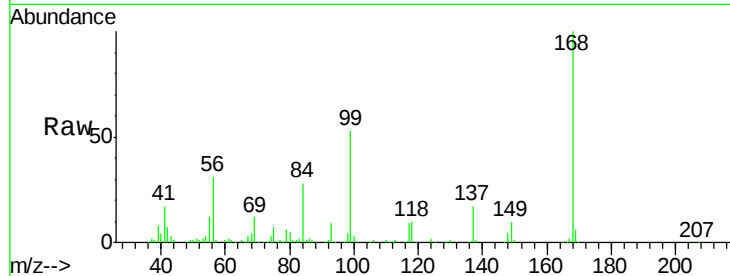
#31
Cyclohexane
Concen: 19.197 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.3	27.4	41.0
84	90.4	71.1	106.7

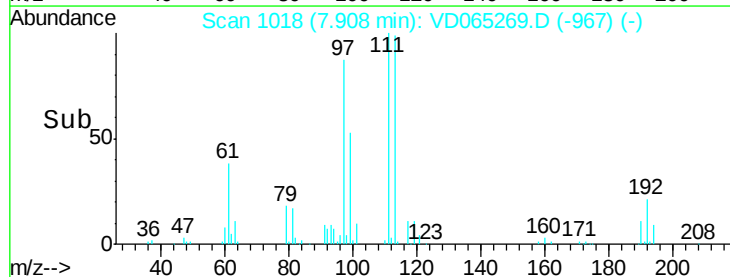
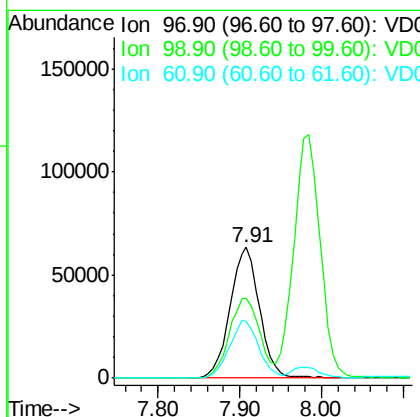
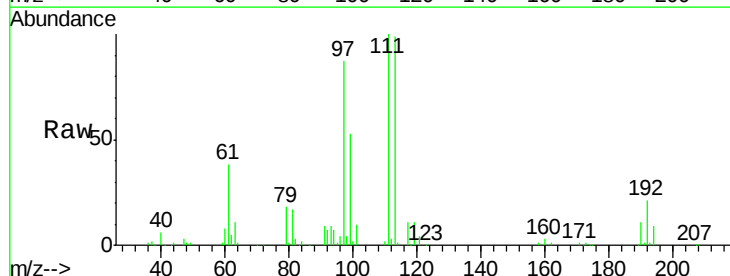
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#32
1,1,1-Trichloroethane
Concen: 19.466 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.2
61	43.6	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 44.922 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0221SBS01

Tot Ion: 65 Resp: 202583

Ion Ratio Lower Upper

65 100

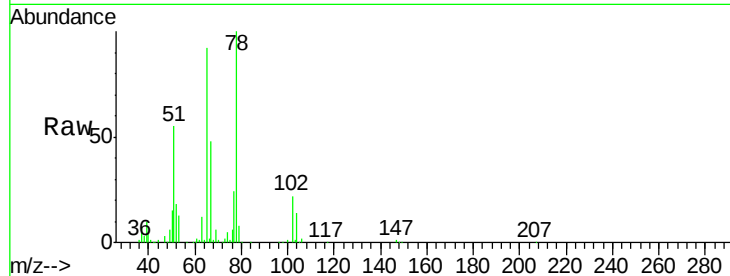
67 53.6 0.0 106.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

100000

80000

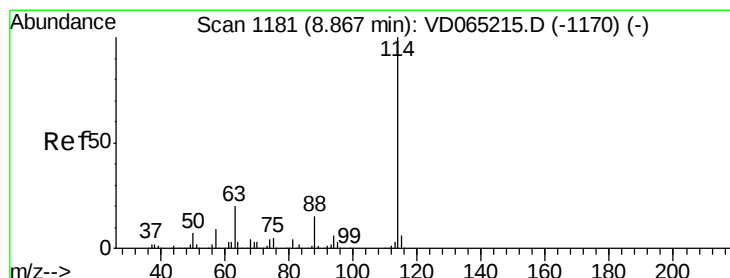
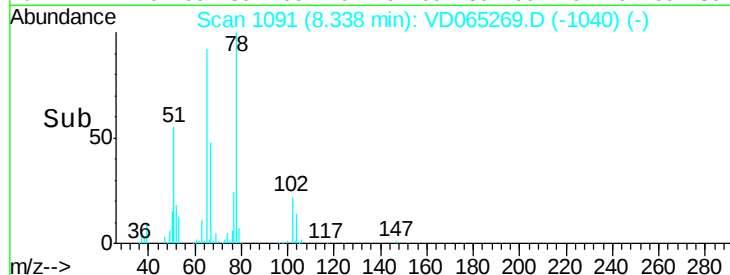
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

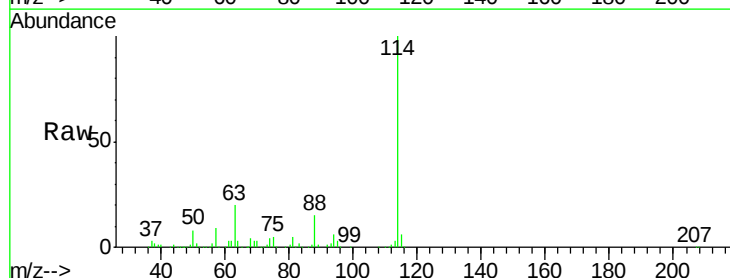
Tgt Ion: 114 Resp: 755940

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.4

88 15.2 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

500000

400000

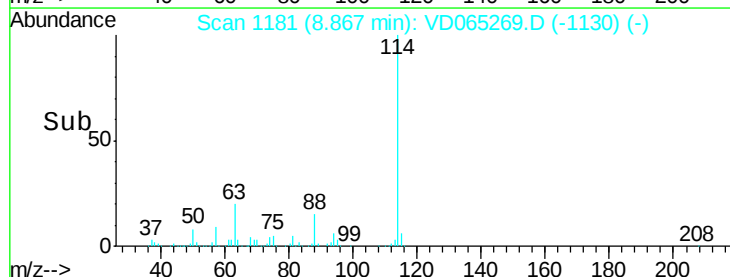
300000

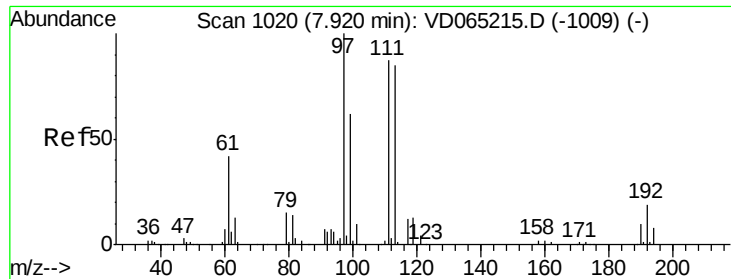
200000

100000

0

Time-->





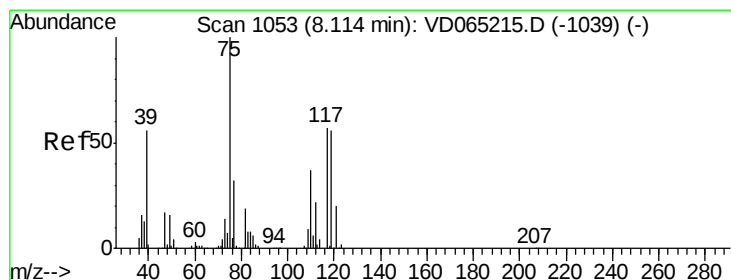
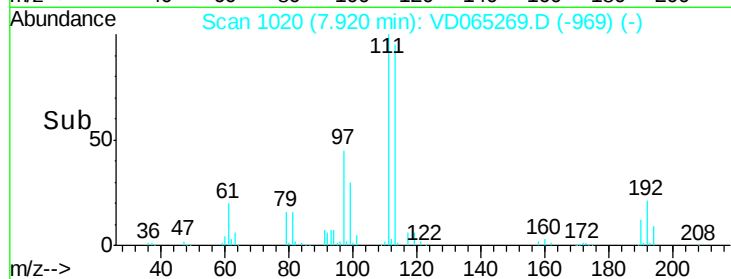
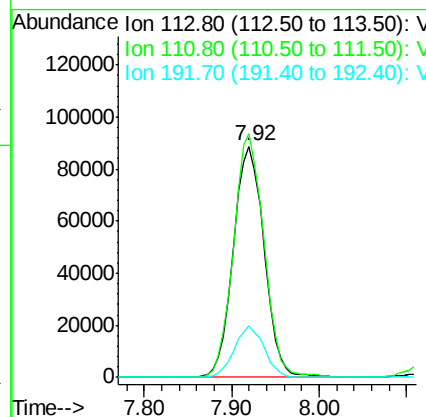
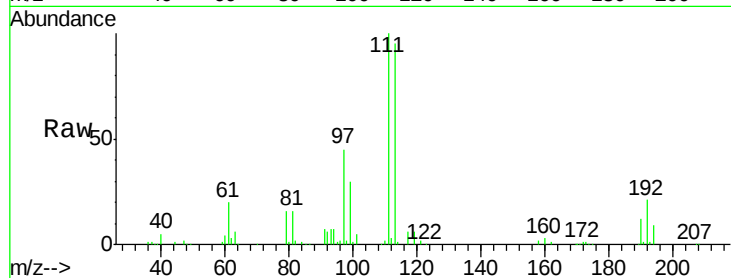
#35
Dibromofluoromethane
Concen: 46.095 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	212465		
111	104.1	82.9	124.3	
192	21.5	17.3	25.9	

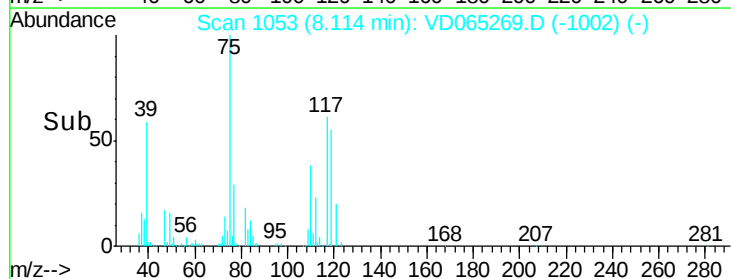
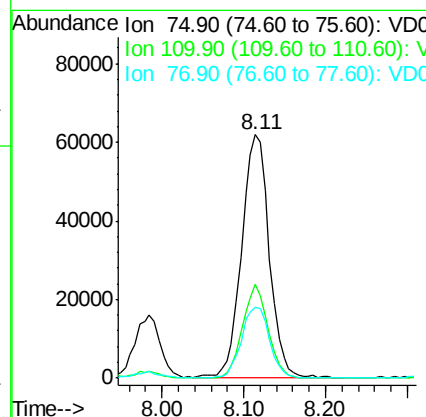
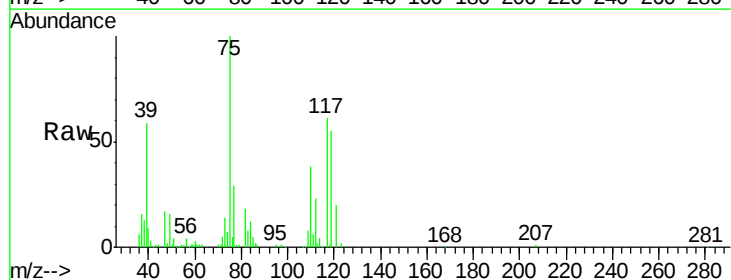
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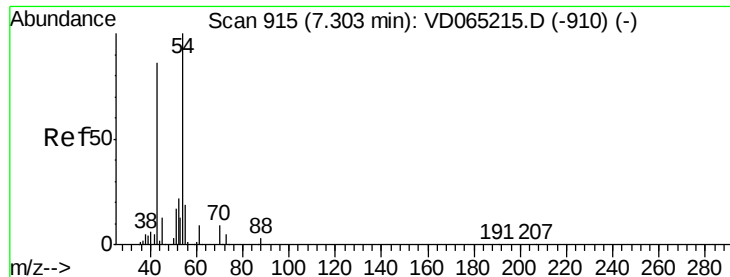
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#36
1,1-Dichloropropene
Concen: 19.676 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	144725		
110	35.6	17.9	53.7	
77	30.1	25.1	37.7	





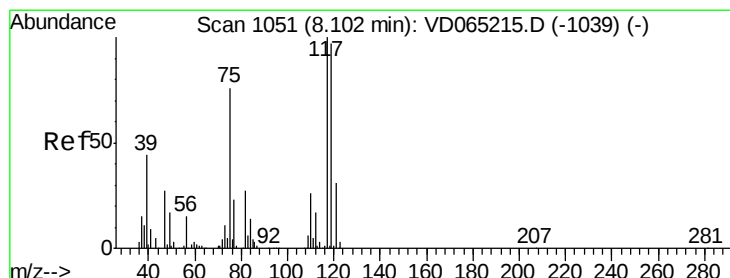
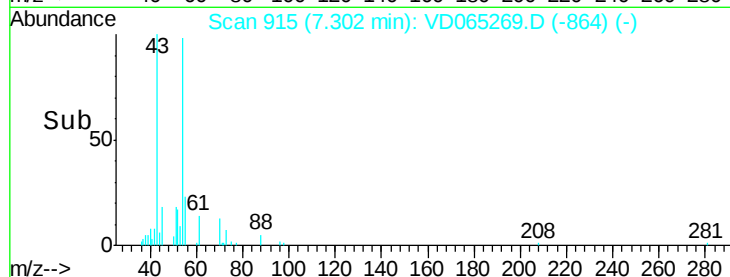
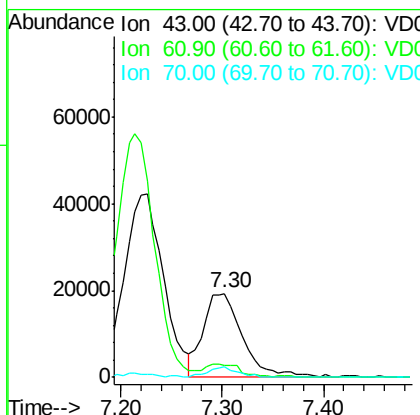
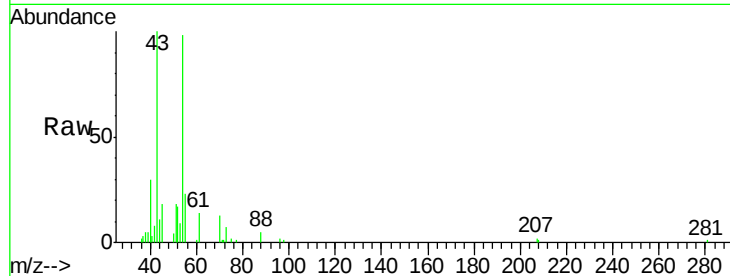
#37
Ethyl Acetate
Concen: 16.453 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.1	11.2	16.8
70	10.0	8.2	12.2

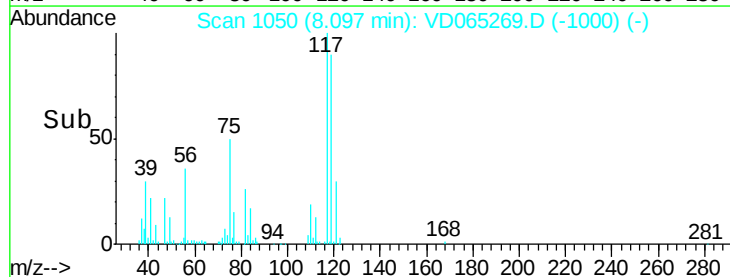
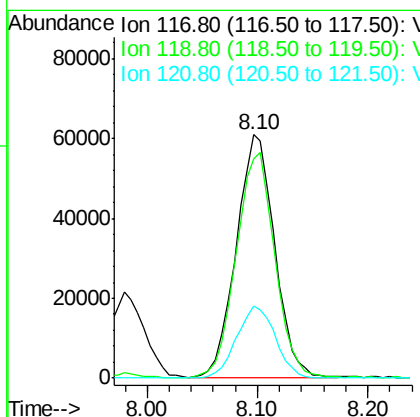
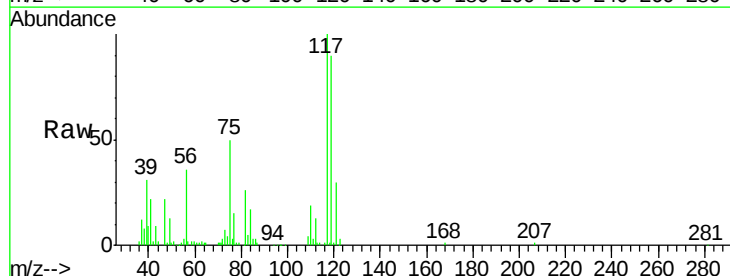
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#38
Carbon Tetrachloride
Concen: 19.954 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.1	77.6	116.4
121	29.6	24.8	37.2





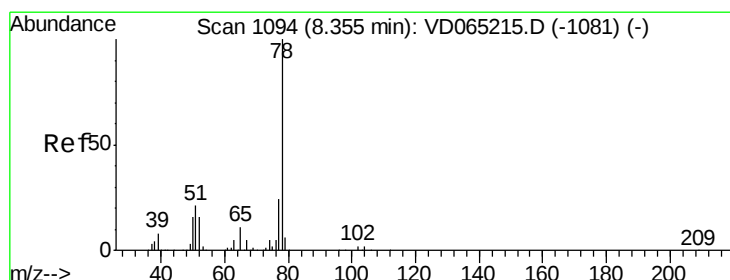
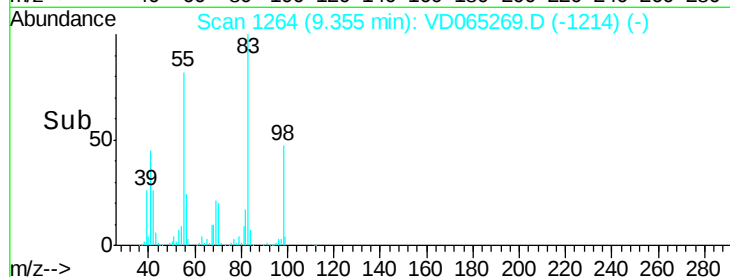
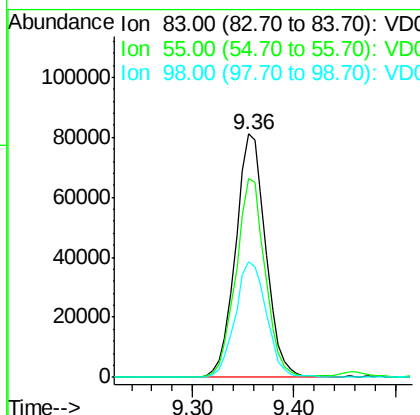
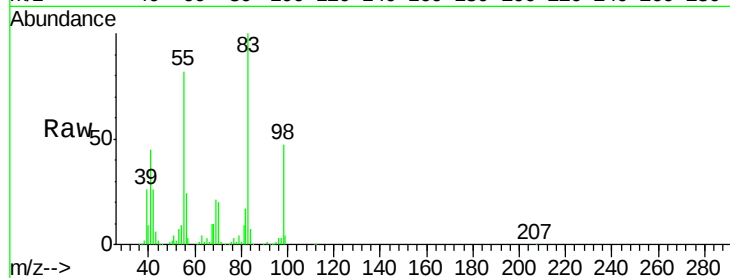
#39
Methvlcvclohexane
Concen: 19.369 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.7	61.8	92.6
98	47.3	39.4	59.0

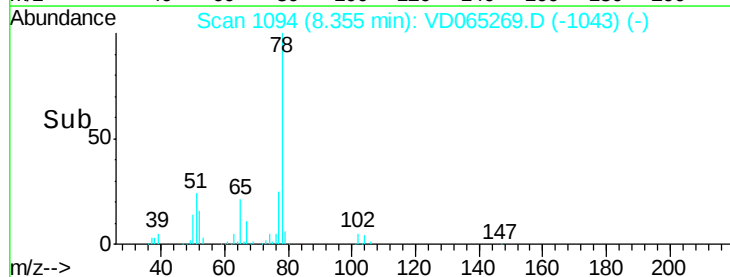
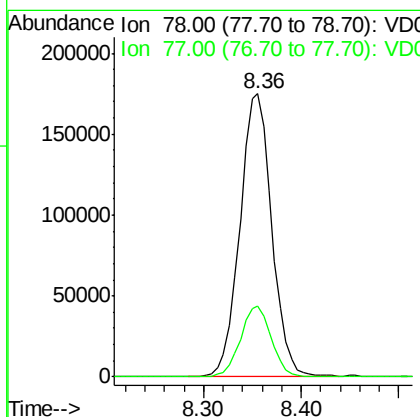
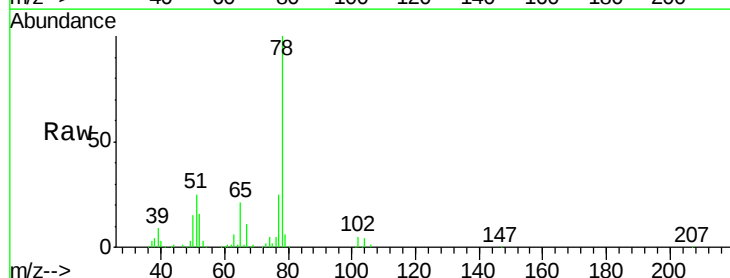
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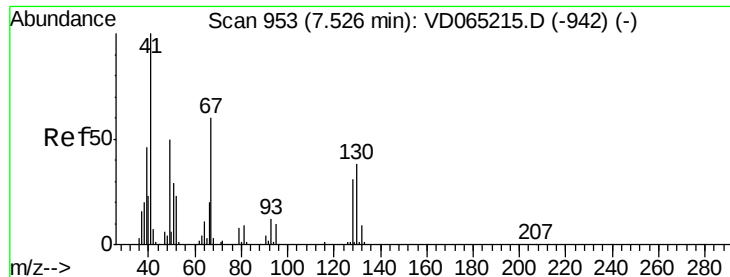
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#40
Benzene
Concen: 19.254 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.0	28.6





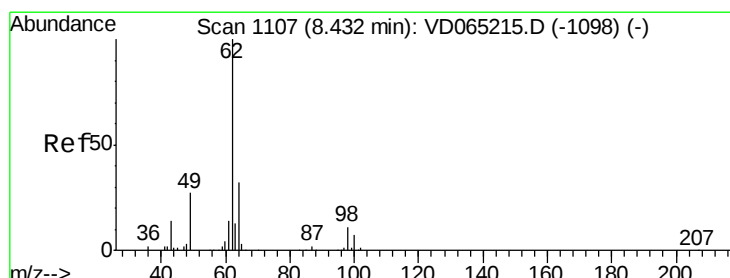
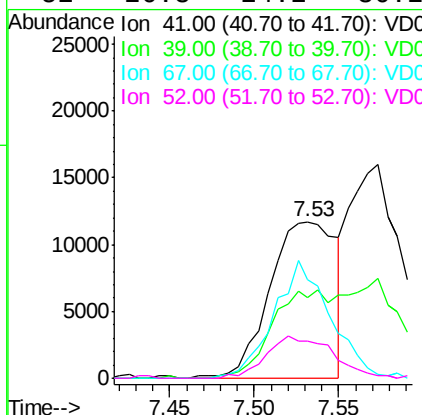
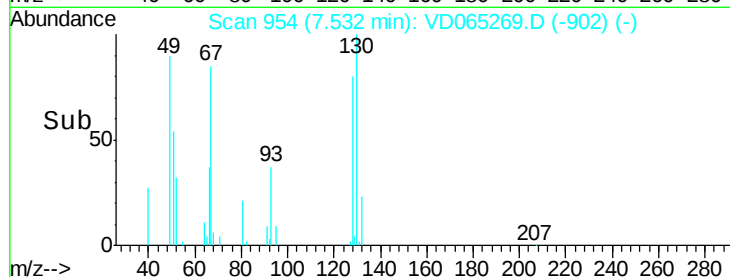
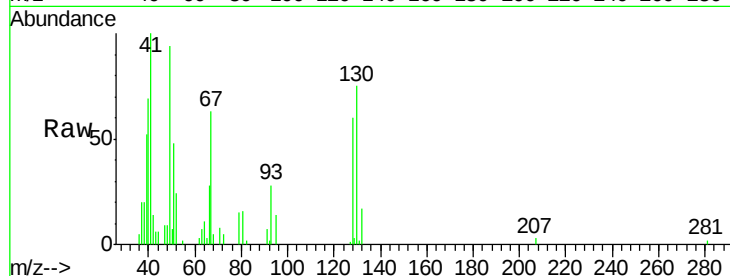
#41
Methacrylonitrile
Concen: 17.920 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		31816		
39	47.5	48.1	72.1#		
67	64.4	58.9	88.3		
52	26.8	24.2	36.2		

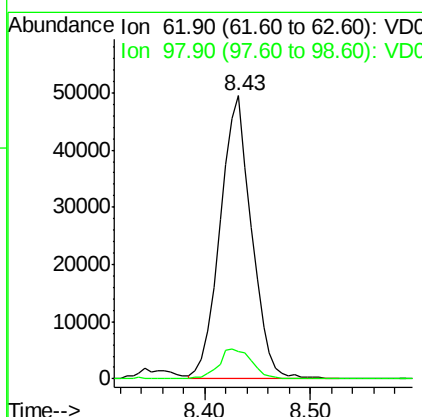
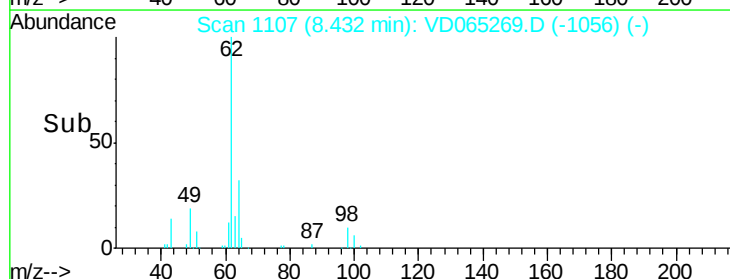
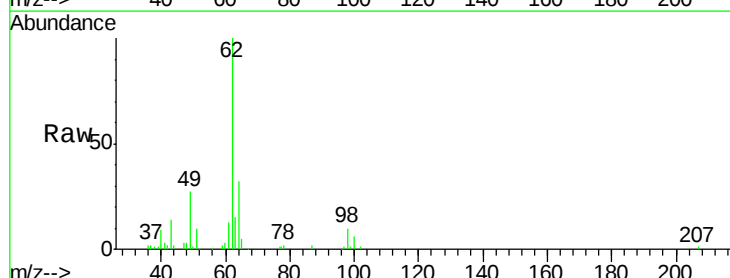
Manual Integrations
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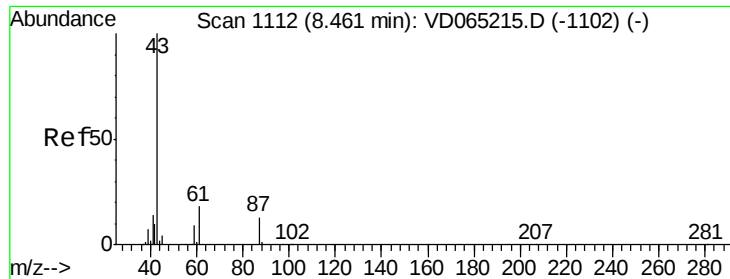
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#42
1,2-Dichloroethane
Concen: 17.921 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		102282		
98	11.1	0.0	20.6		





#43

Isopropyl Acetate

Concen: 16.703 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

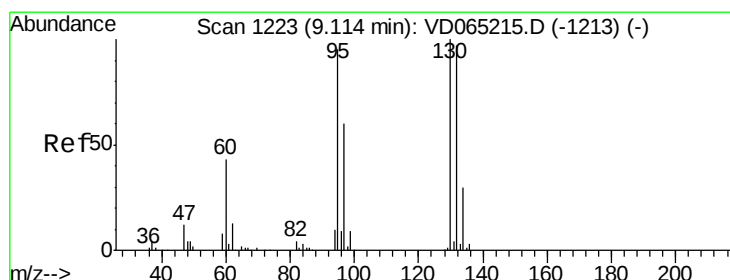
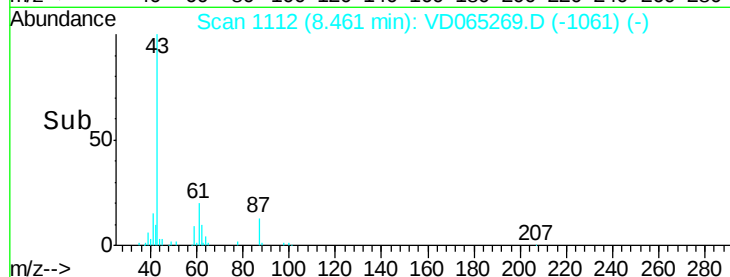
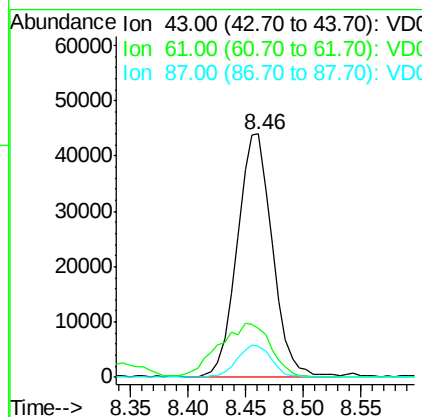
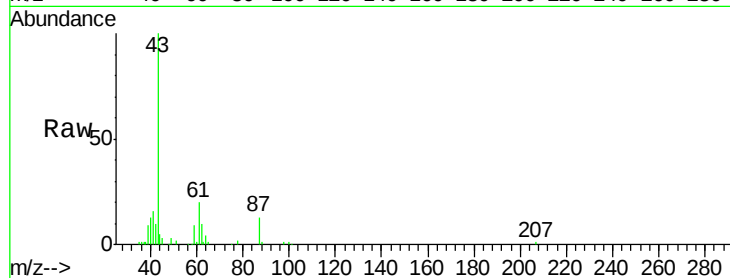
ClientSampleId :

VD0221SBS01

Tot Ion:	43	Resp:	93396
Ion	Ratio	Lower	Upper
43	100		
61	33.1	24.6	36.8
87	12.8	10.6	16.0

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#44

Trichloroethene

Concen: 19.905 ug/l

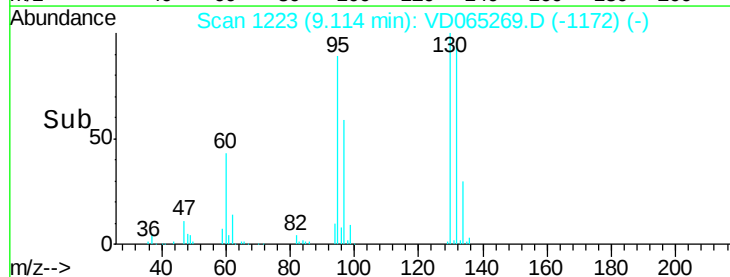
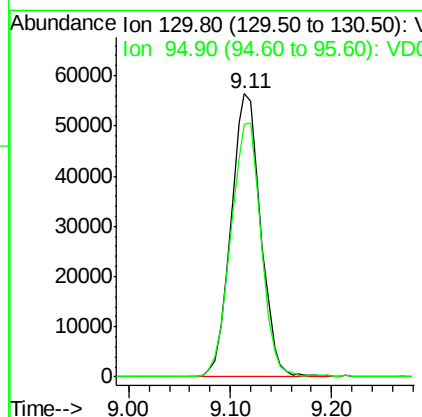
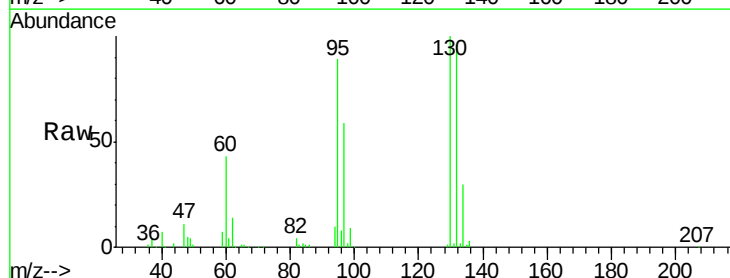
RT: 9.11 min Scan# 1223

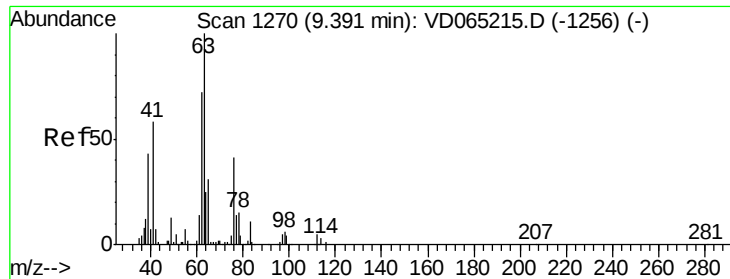
Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Tgt Ion:	130	Resp:	114554
Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	190.6





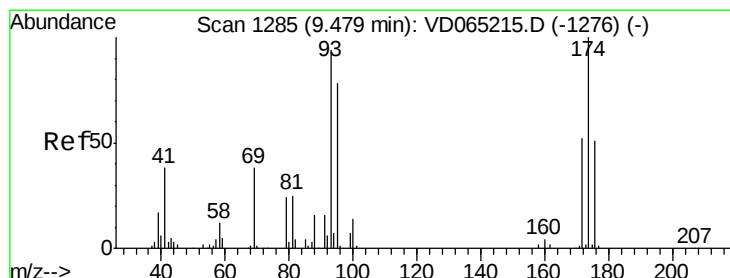
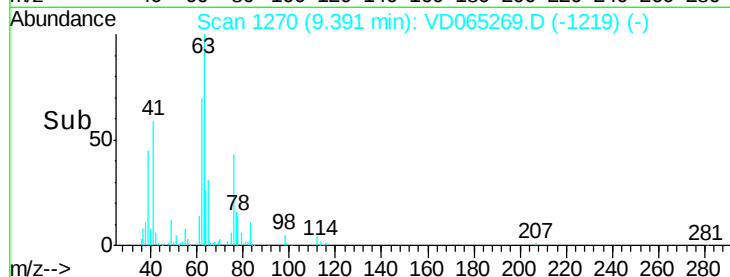
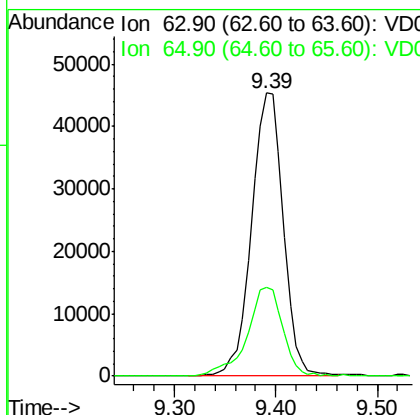
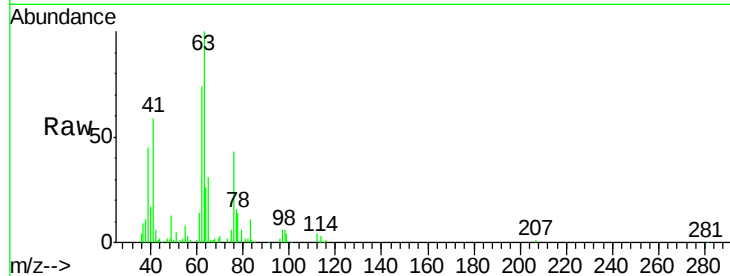
#45
 1,2-Dichloropropane
 Concen: 19.088 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0221SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.9	37.3

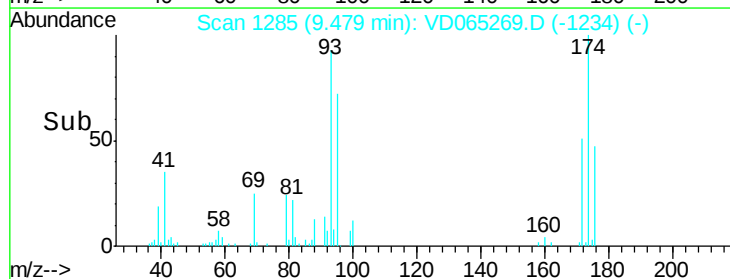
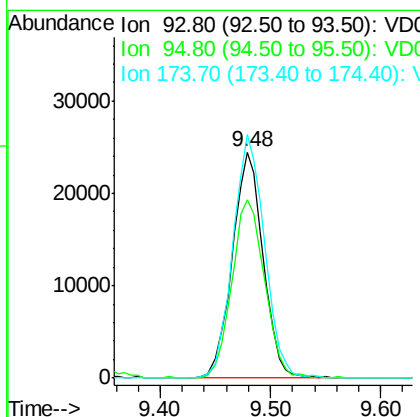
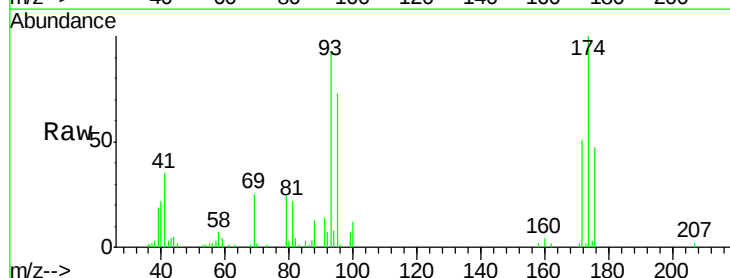
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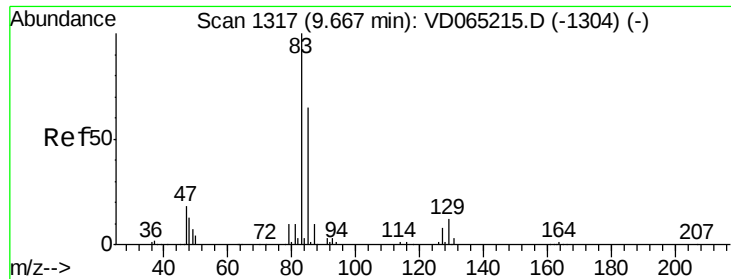
MMDadoda
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#46
 Dibromomethane
 Concen: 18.052 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.8	98.6
174	110.8	86.8	130.2





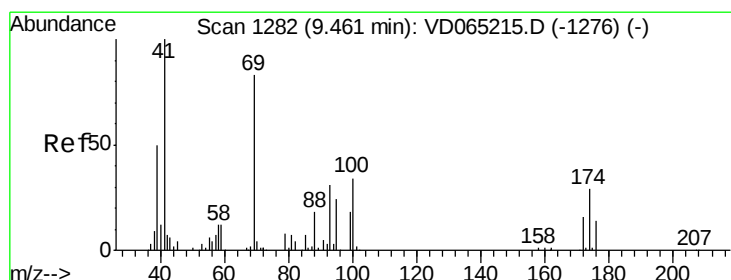
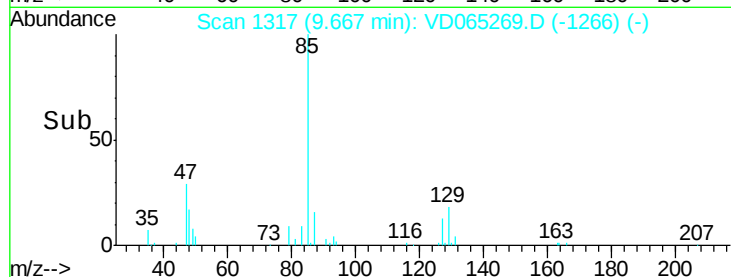
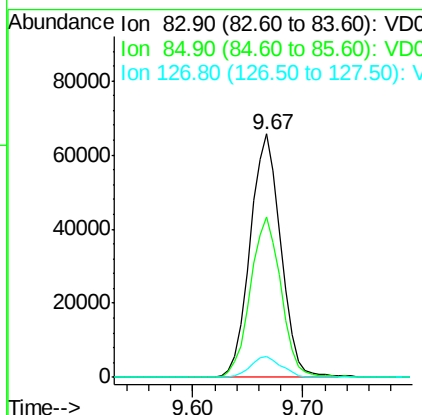
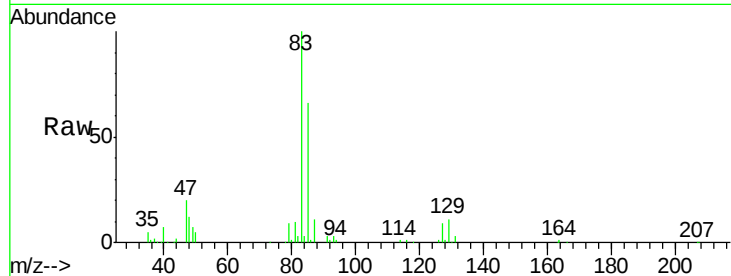
#47
Bromodichloromethane
Concen: 18.289 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.7	52.0	78.0	
127	8.6	6.7	10.1	

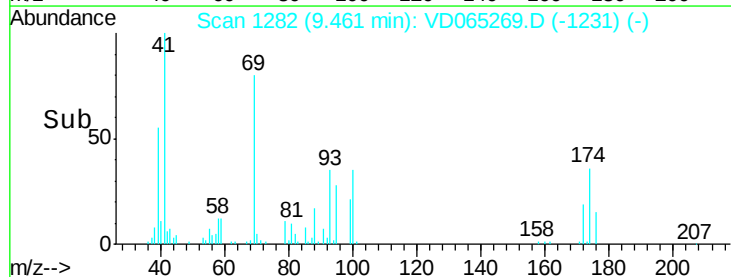
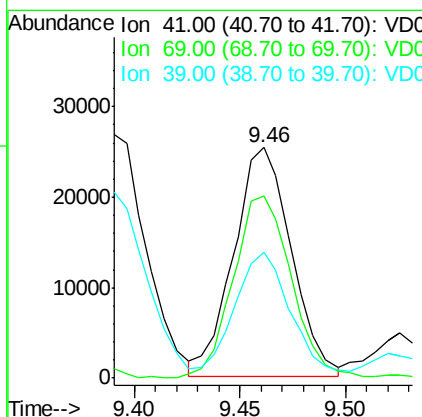
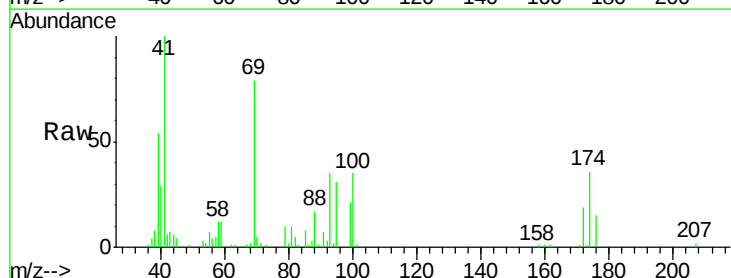
Manual Integrations
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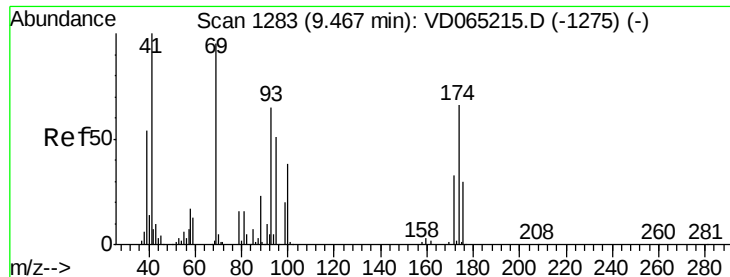
MMDadoda
2/24/2020 11:08:47 AM



#48
Methyl methacrylate
Concen: 18.636 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	80.0	68.2	102.2	
39	48.2	42.0	63.0	





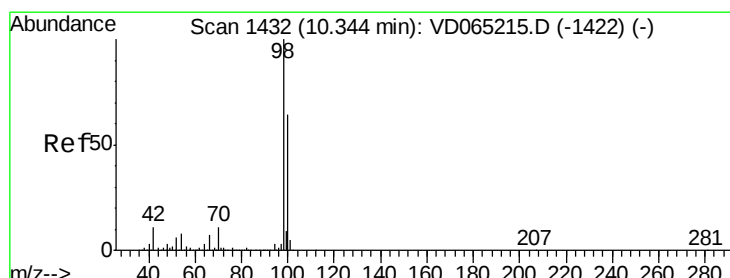
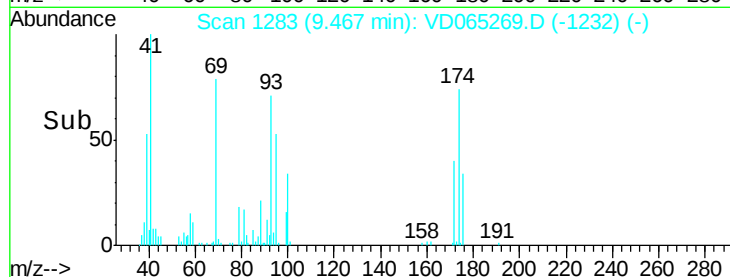
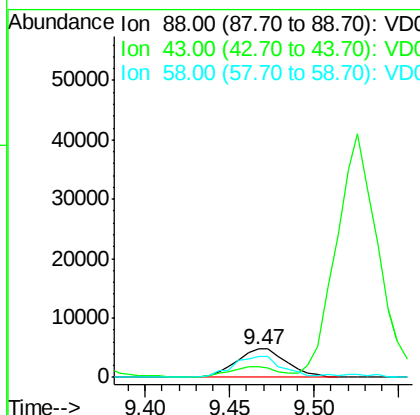
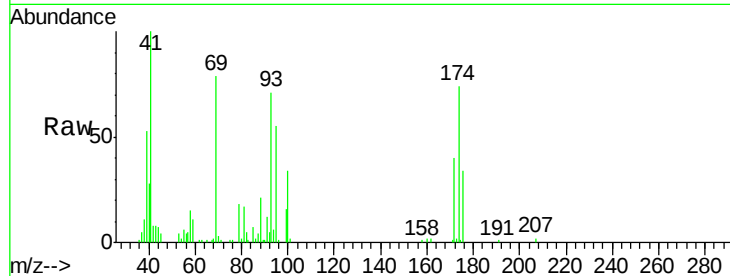
#49
1,4-Dioxane
Concen: 317.595 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	88	Resp	9894
Ion	Ratio	Lower	Upper
88	100		
43	39.3	28.5	42.7
58	72.2	58.6	87.8

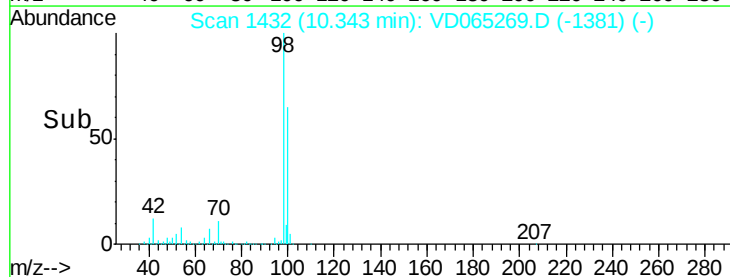
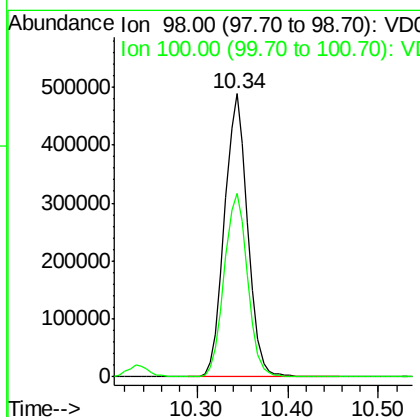
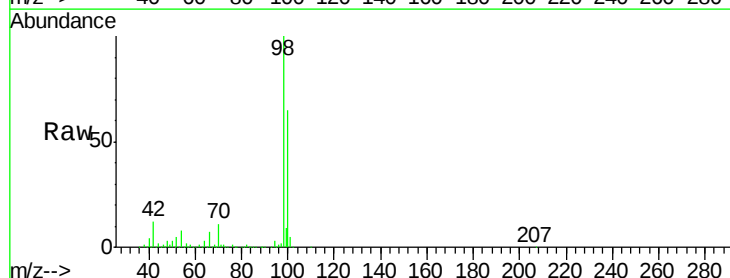
Manual Integrations
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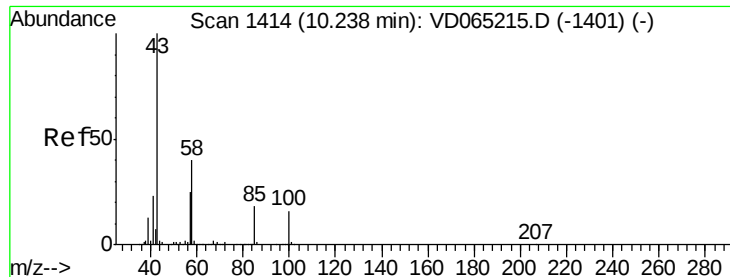
MMDadoda
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#50
Toluene-d8
Concen: 49.094 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion	98	Resp	865077
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 83.130 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0221SBS01

Tot Ion: 43 Resp: 236092

Ion Ratio Lower Upper

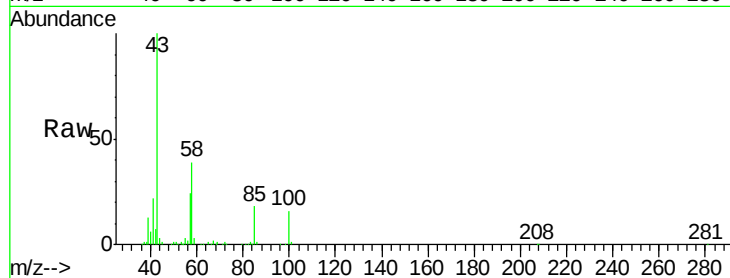
43 100

58 38.3 31.1 46.7

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

150000

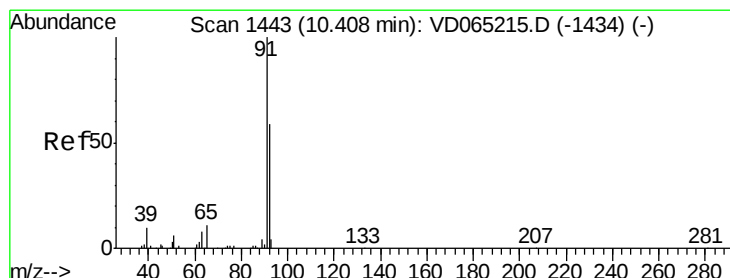
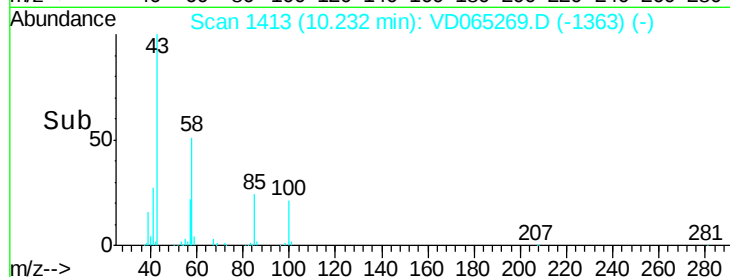
10.23

100000

50000

0

Time-->



#52

Toluene

Concen: 19.876 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065269.D

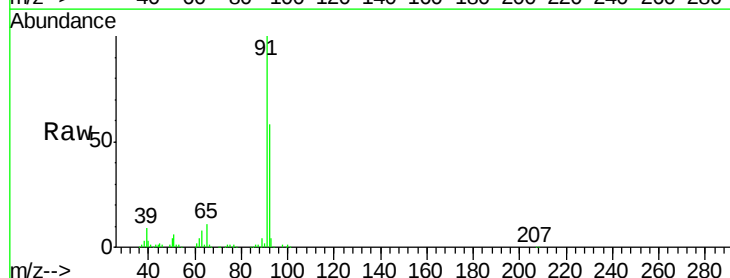
Acq: 21 Feb 2020 12:17

Tgt Ion: 92 Resp: 255421

Ion Ratio Lower Upper

92 100

91 174.3 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

10.41

200000

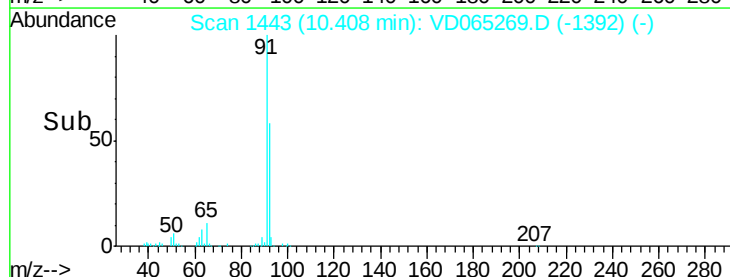
150000

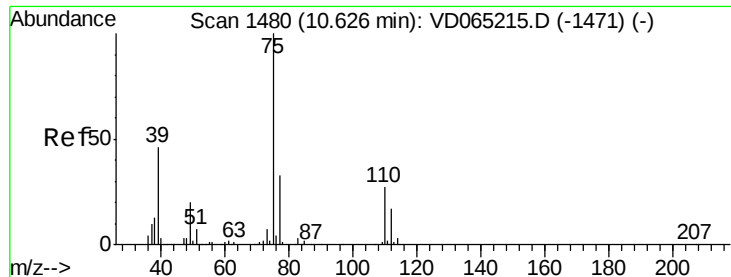
100000

50000

0

Time-->





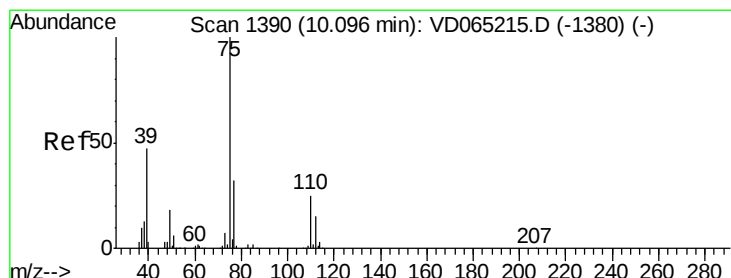
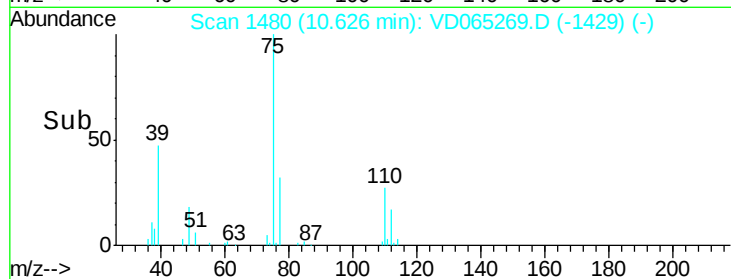
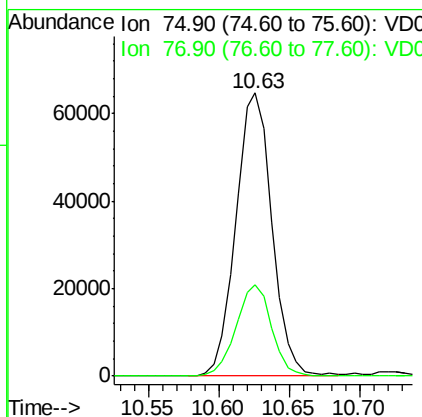
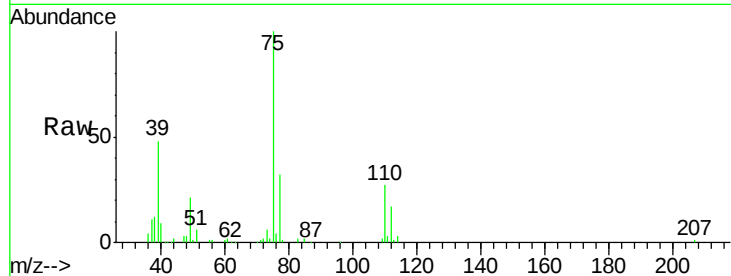
#53
t-1,3-Dichloropropene
Concen: 17.823 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.6	40.0

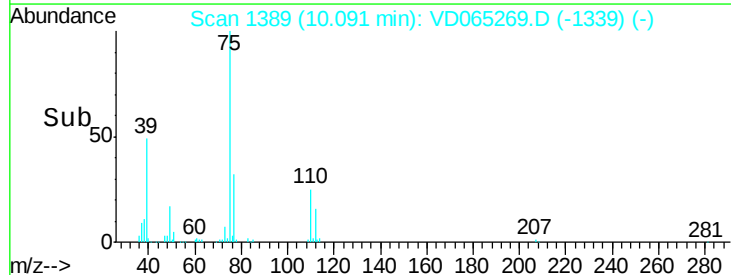
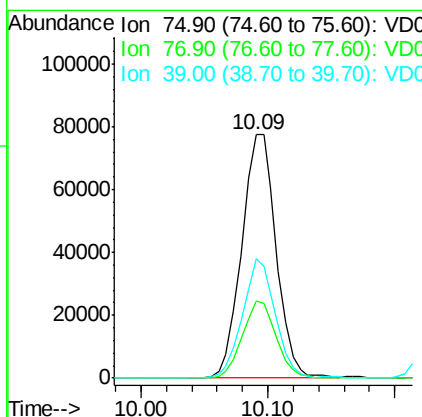
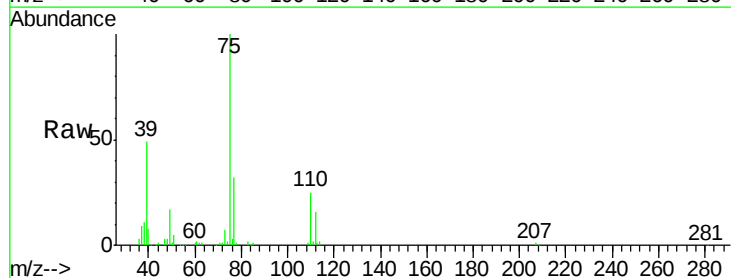
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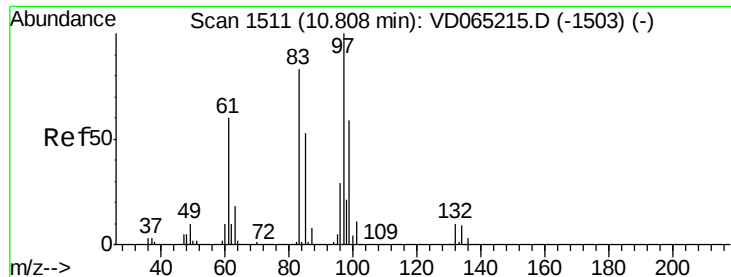
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#54
cis-1,3-Dichloropropene
Concen: 18.647 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.8
39	48.6	37.3	55.9





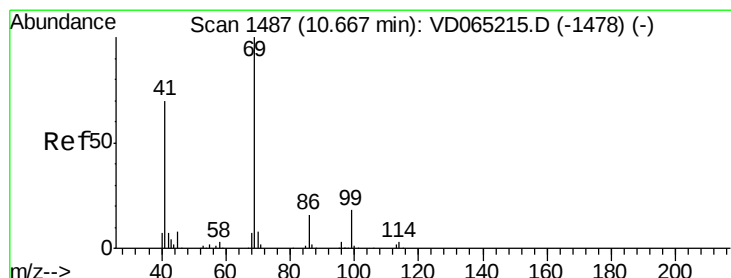
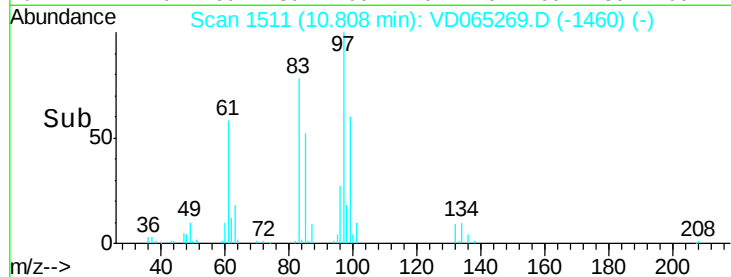
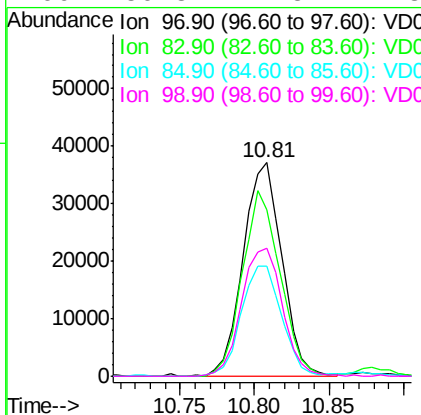
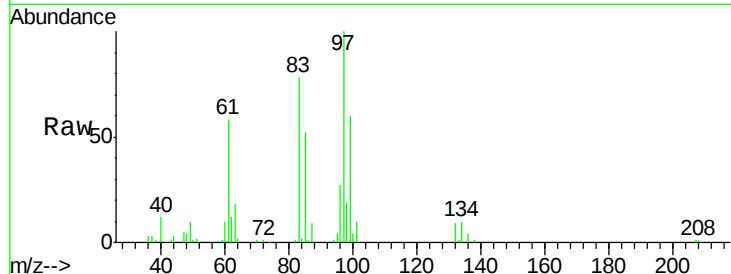
#55
 1,1,2-Trichloroethane
 Concen: 17.902 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0221SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	77.8	66.7	100.1
85	51.6	42.4	63.6
99	59.8	47.5	71.3

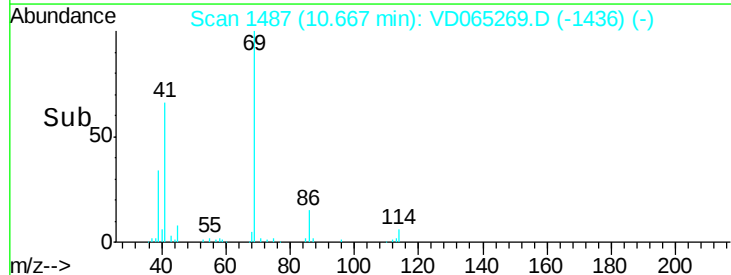
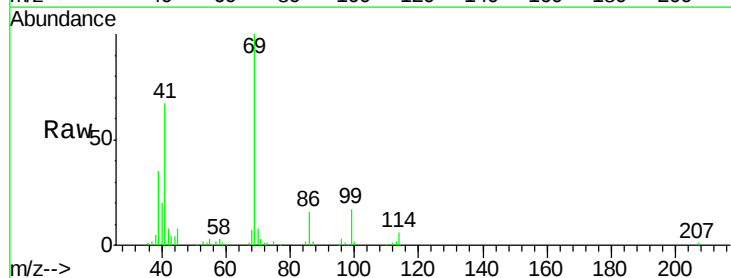
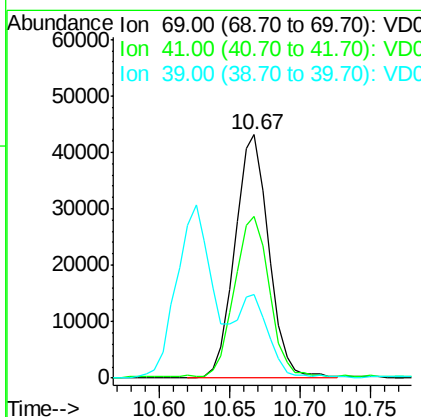
Manual Integrations
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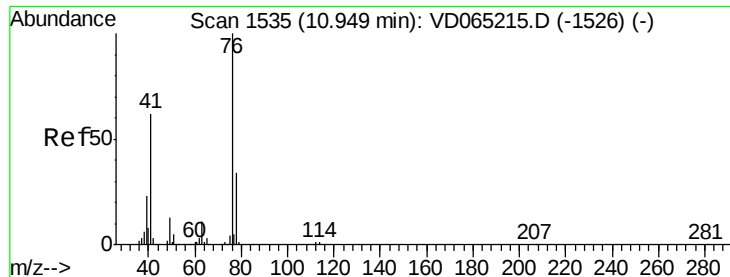
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 2/24/2020 11:08:47 AM



#56
 Ethyl methacrylate
 Concen: 16.818 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.9	54.6	81.8
39	31.5	26.5	39.7





#57

1,3-Dichloropropane

Concen: 18.292 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0221SBS01

Tot Ion: 76 Resp: 116393

Ion Ratio Lower Upper

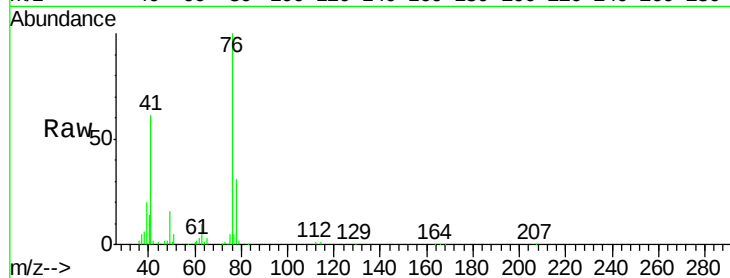
76 100

78 31.8 26.3 39.5

Manual Integrations
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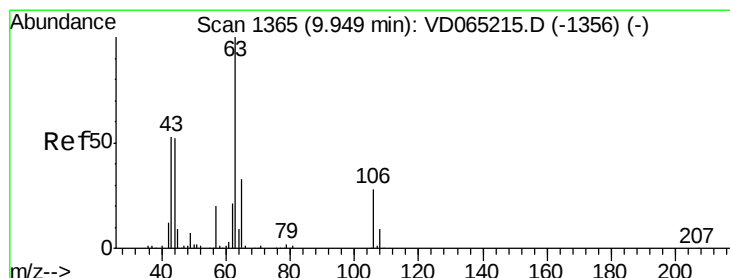
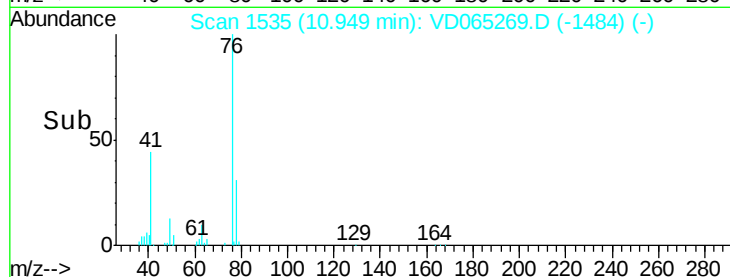
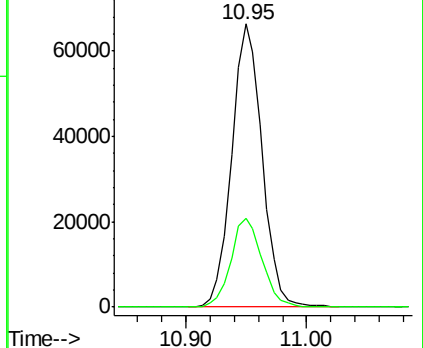
MMDadoda

2/24/2020 11:08:47 AM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 84.798 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD065269.D

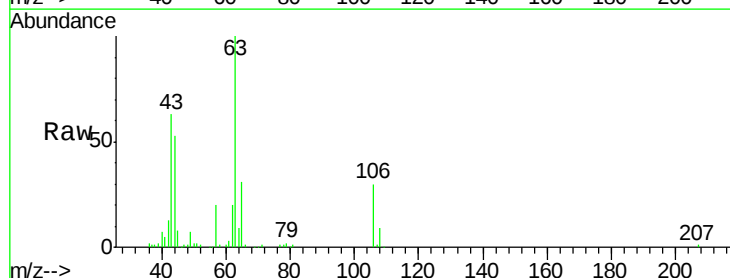
Acq: 21 Feb 2020 12:17

Tgt Ion: 63 Resp: 115362

Ion Ratio Lower Upper

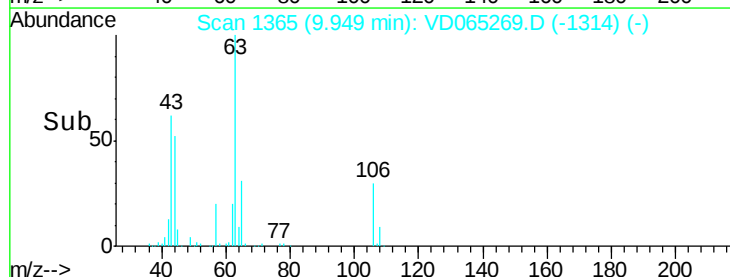
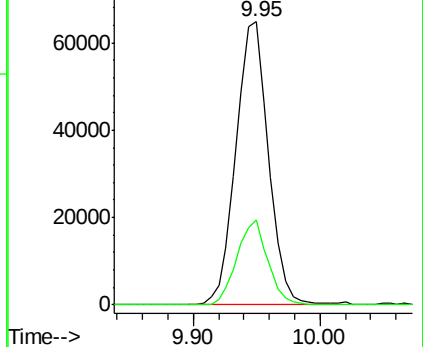
63 100

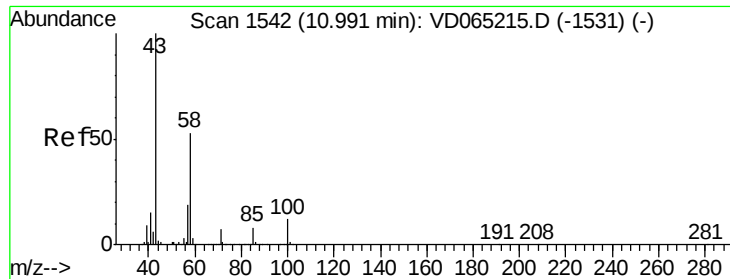
106 28.4 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC





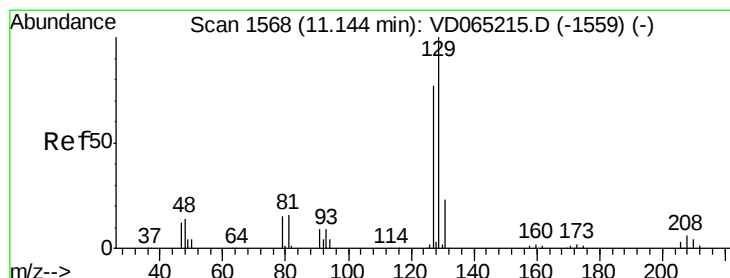
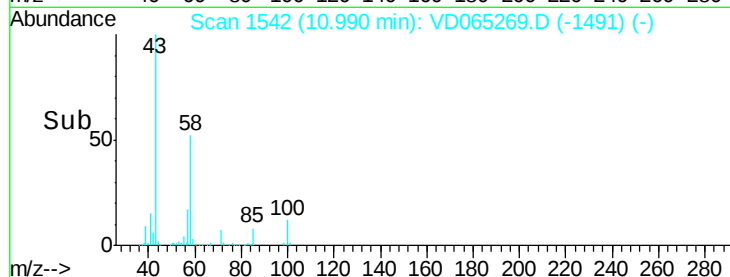
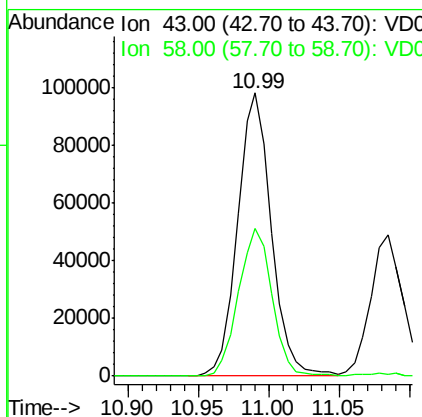
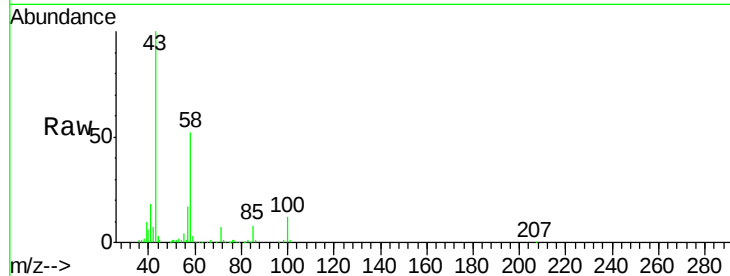
#59
2-Hexanone
Concen: 80.396 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.3	78.8

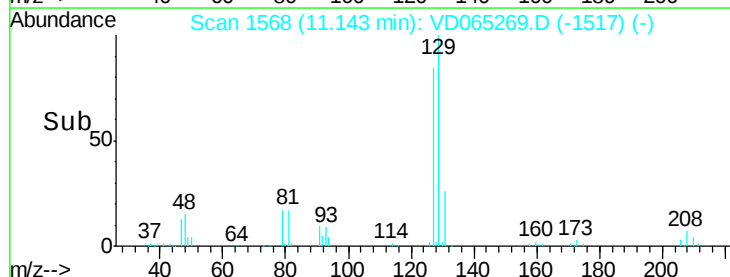
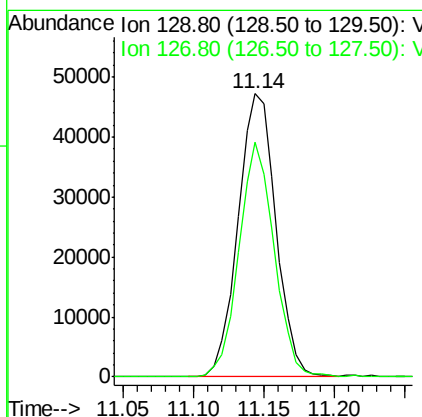
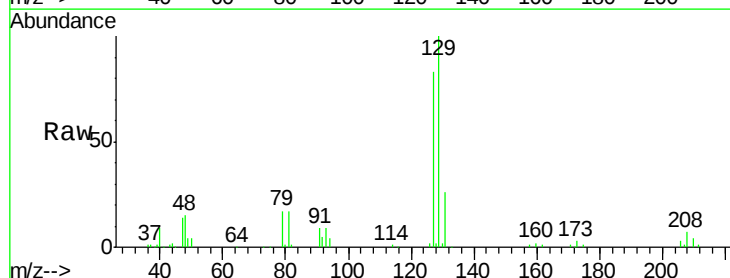
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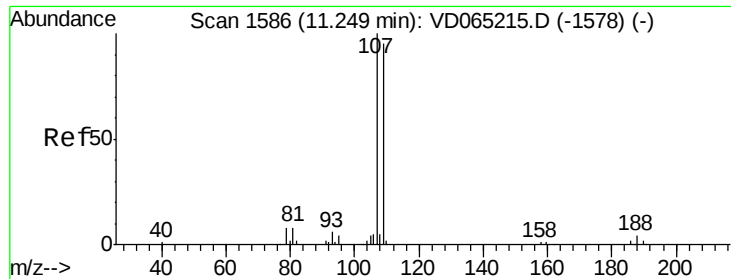
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#60
Dibromochloromethane
Concen: 18.509 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.7	116.1





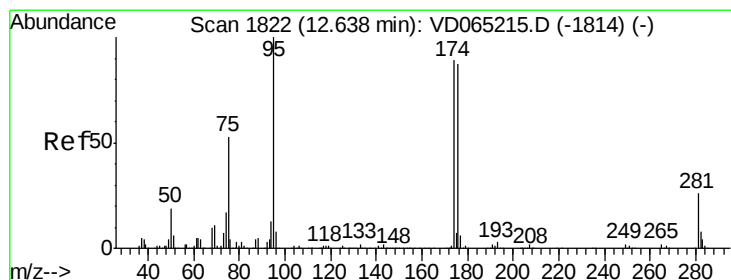
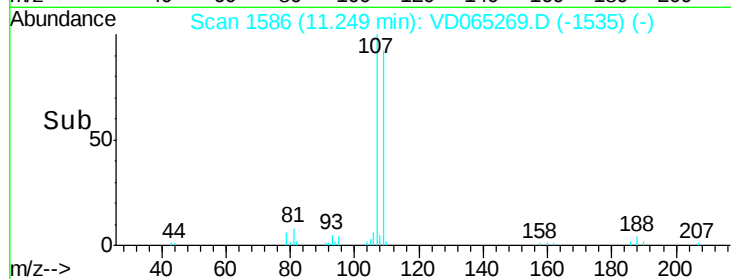
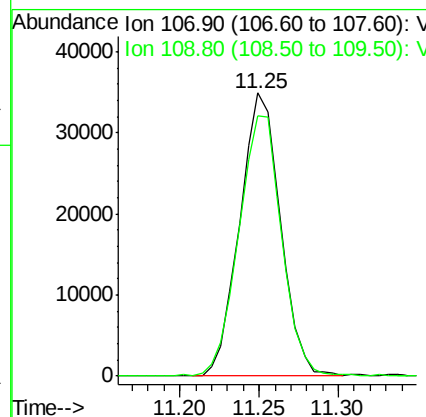
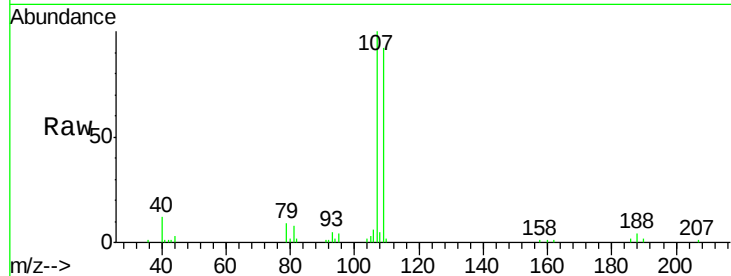
#61
 1,2-Dibromoethane
 Concen: 17.602 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0221SBS01

Tot Ion: 107 Resp: 62307
 Ion Ratio Lower Upper
 107 100
 109 96.9 76.2 114.4

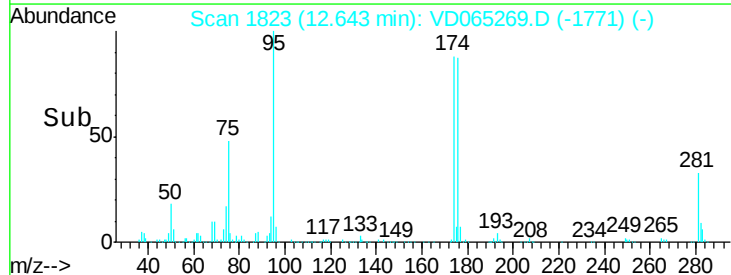
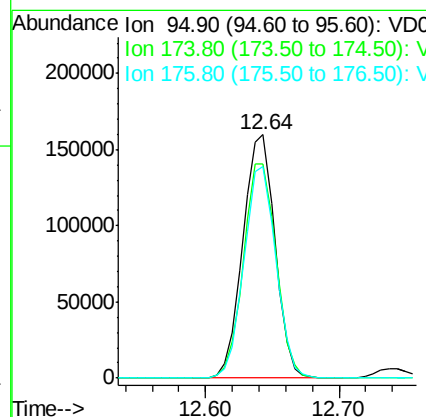
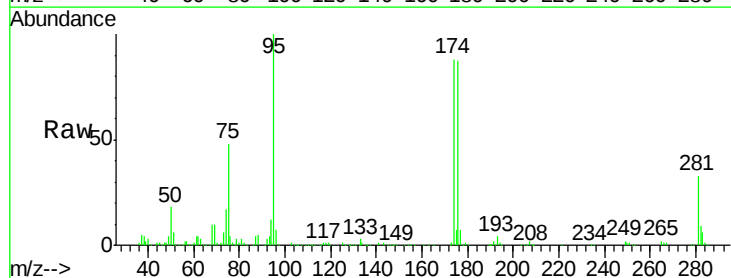
Manual Integrations
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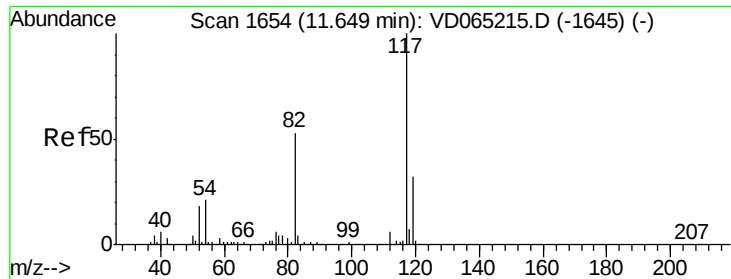
MMDadoda
 2/24/2020 11:08:47 AM



#62
 4-Bromofluorobenzene
 Concen: 47.620 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Tgt Ion: 95 Resp: 265820
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 178.0
 176 86.6 0.0 174.4





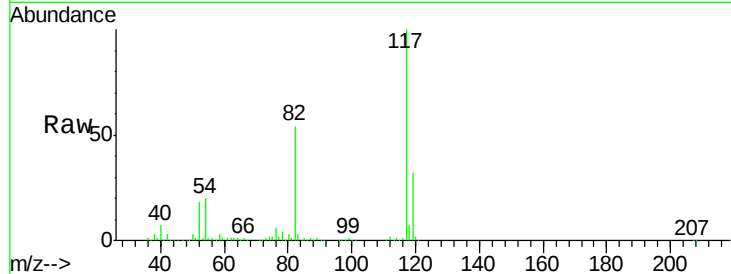
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	670160		
82	54.2		42.7	64.1
119	31.7		25.5	38.3

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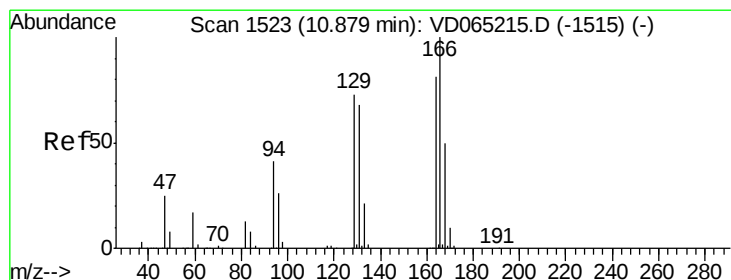
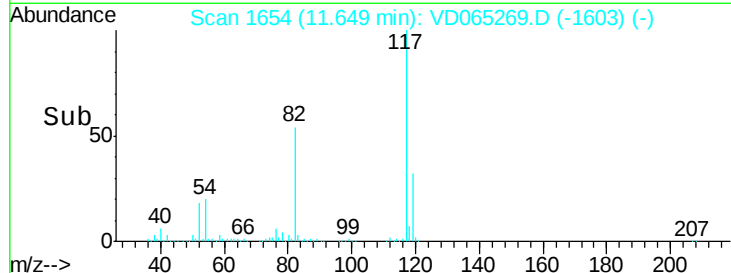
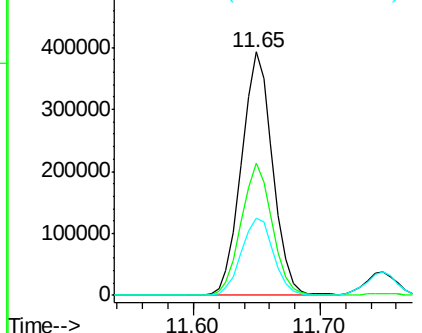


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.517 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	97516		
166	129.6		98.4	147.6
129	90.1		71.6	107.4
131	83.7		67.3	100.9

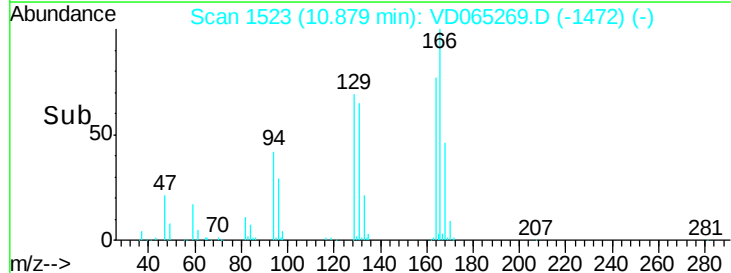
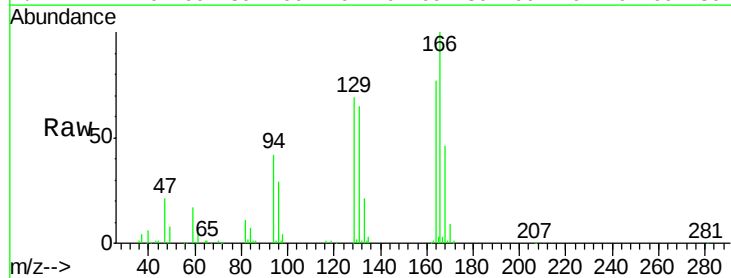
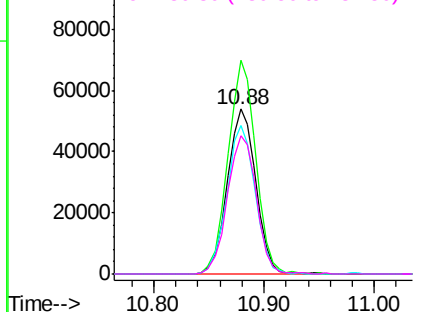
Abundance

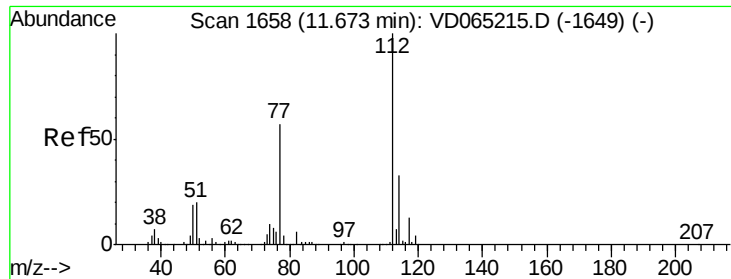
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





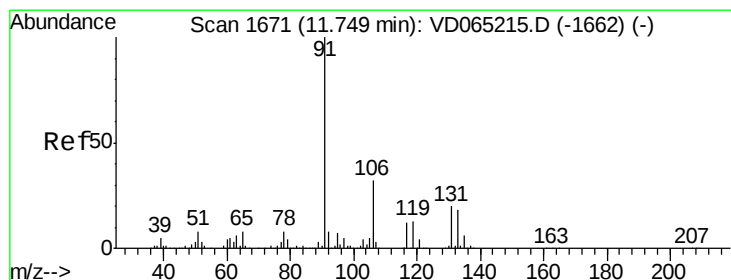
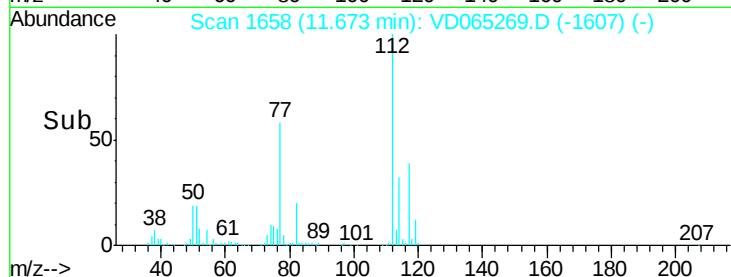
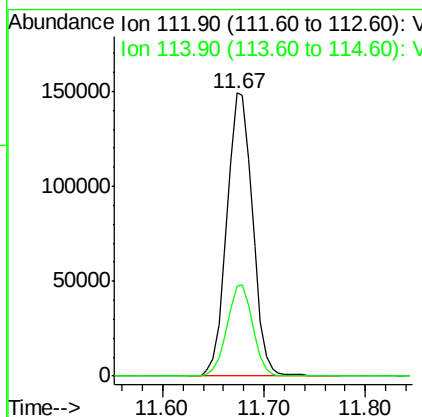
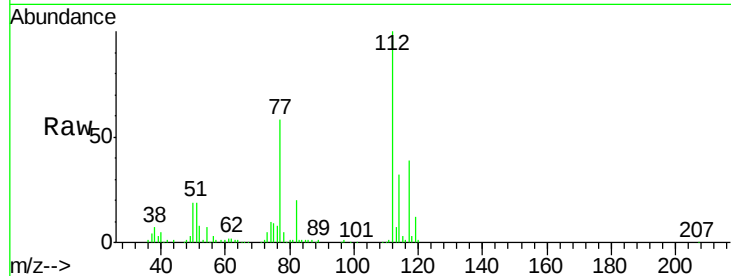
#65
Chlorobenzene
Concen: 19.606 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.4	39.6

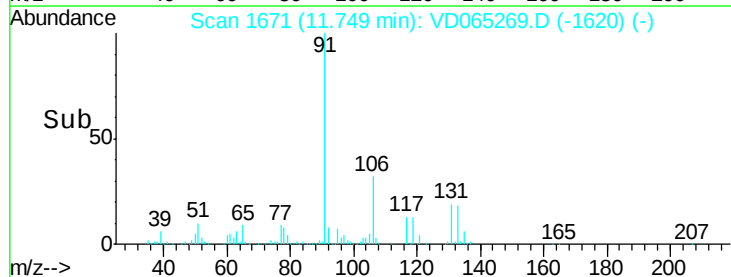
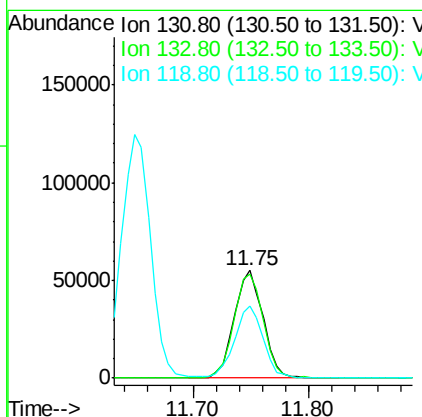
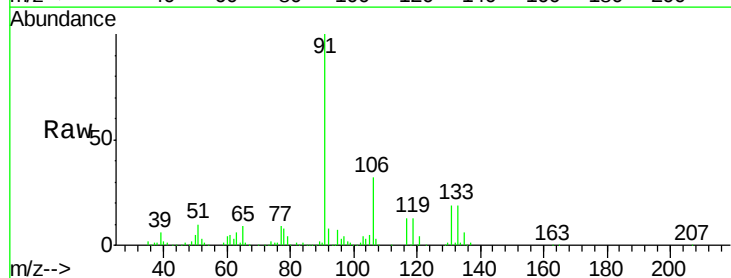
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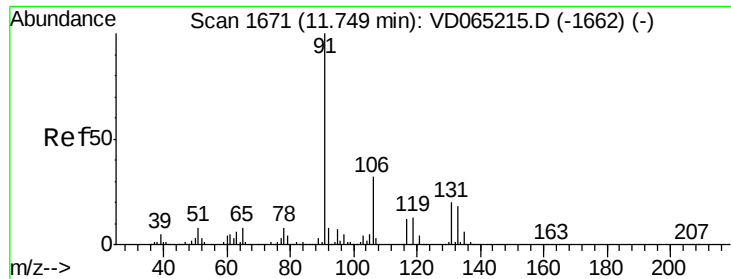
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.971 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.6	47.7	143.1
119	67.2	32.7	98.1





#67

Ethyl Benzene

Concen: 19.967 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0221SBS01

Tot Ion: 91 Resp: 470305

Ion Ratio Lower Upper

91 100

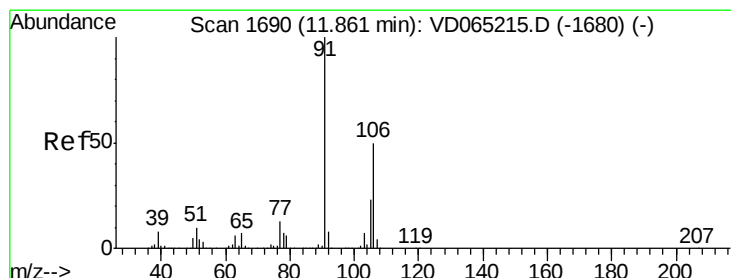
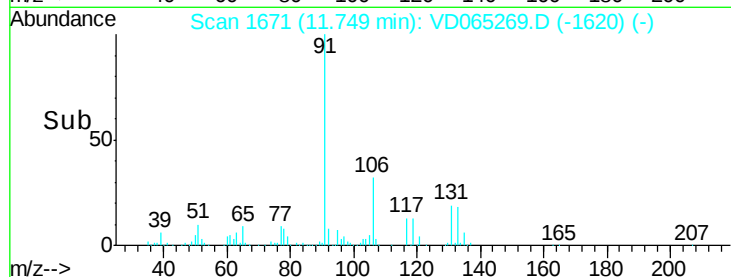
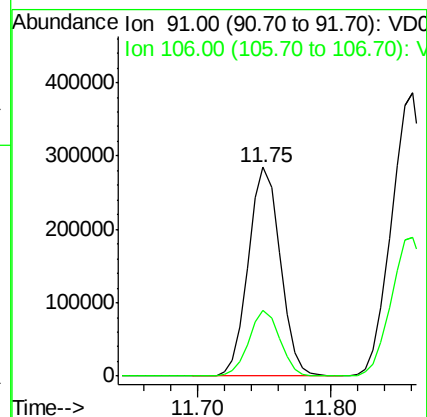
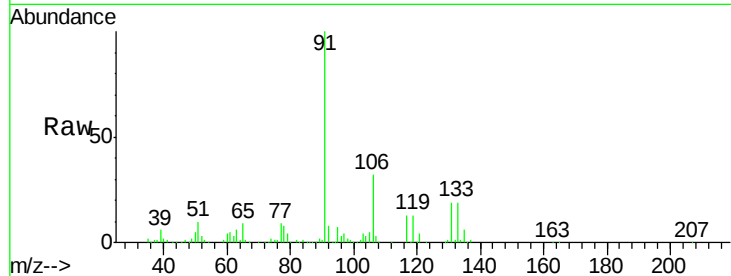
106 31.6 25.2 37.8

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#68

m/p-Xylenes

Concen: 40.158 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065269.D

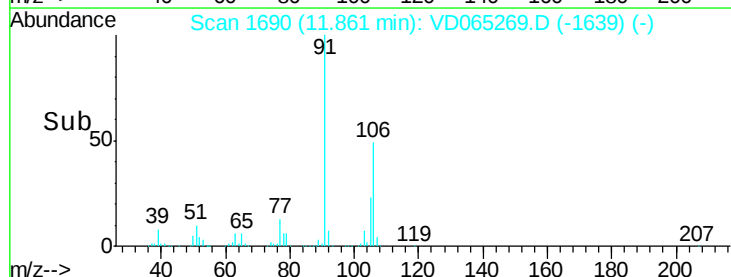
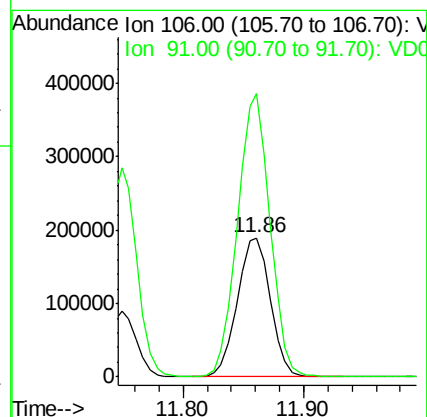
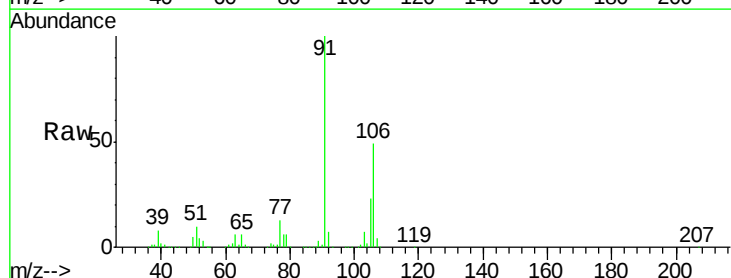
Acq: 21 Feb 2020 12:17

Tgt Ion: 106 Resp: 361882

Ion Ratio Lower Upper

106 100

91 200.2 158.2 237.4





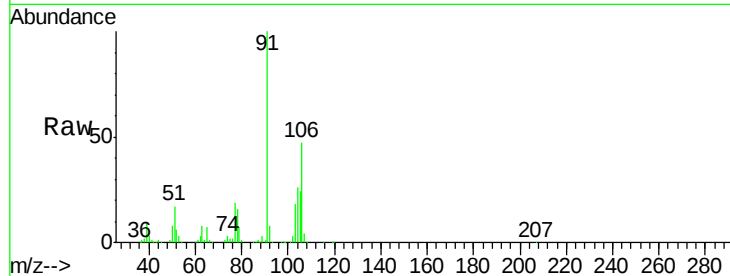
#69
o-Xylene
Concen: 19.721 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

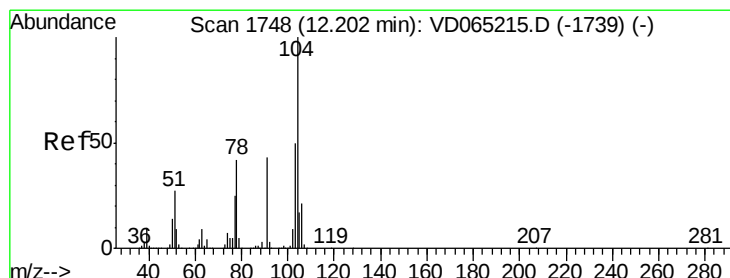
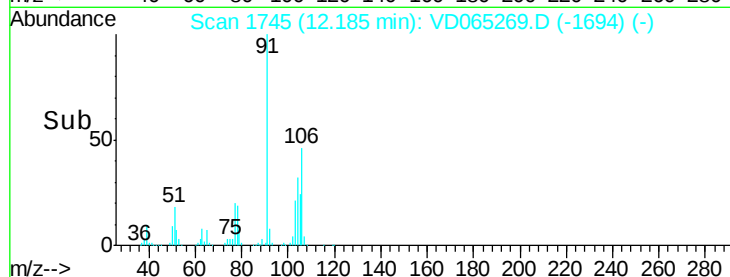
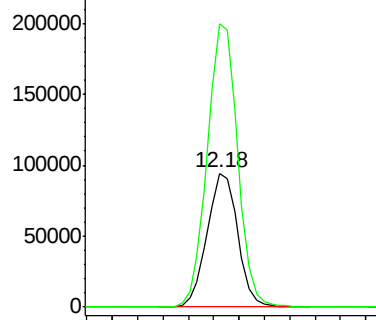
Tot Ion:106 Resp: 157448
Ion Ratio Lower Upper
106 100
91 210.1 104.7 313.9

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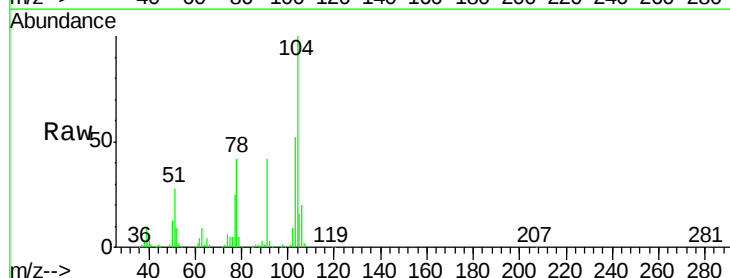


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

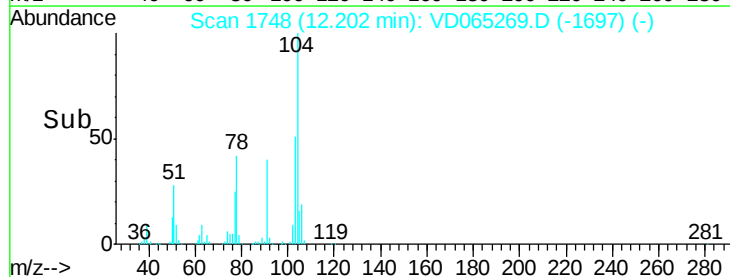
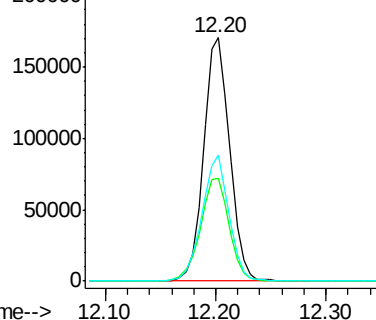


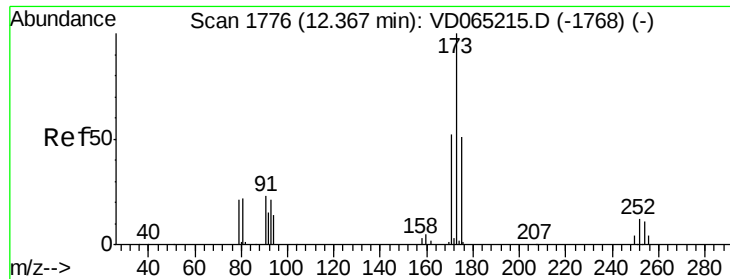
#70
Styrene
Concen: 19.923 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion:104 Resp: 282397
Ion Ratio Lower Upper
104 100
78 46.5 37.8 56.6
103 53.7 43.4 65.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.811 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

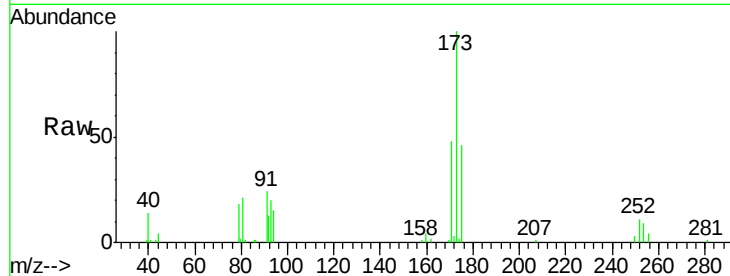
ClientSampleId :

VD0221SBS01

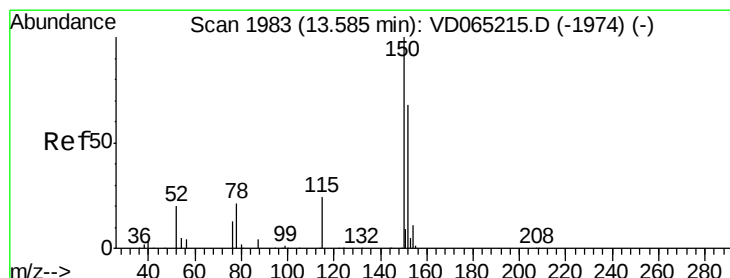
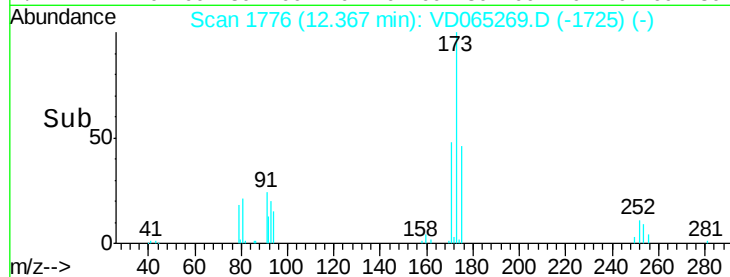
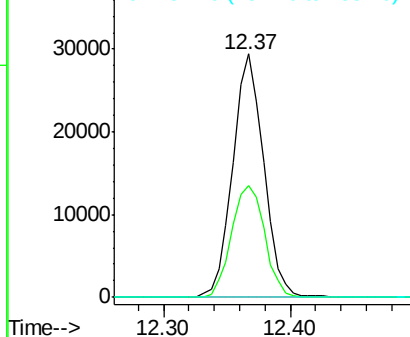
Tot Ion:	173	Resp:	49602
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.4	73.4
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

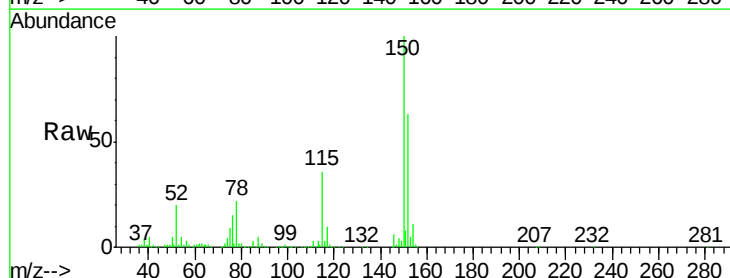
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

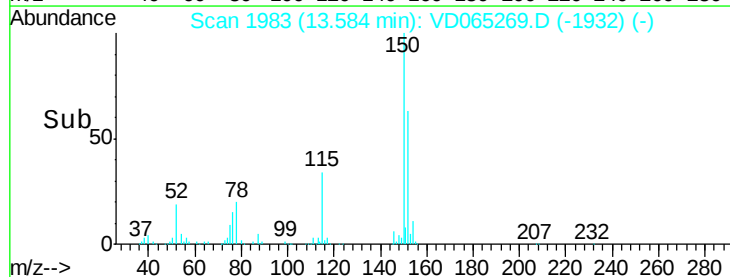
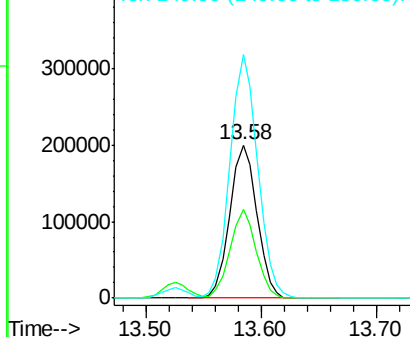
Lab File: VD065269.D

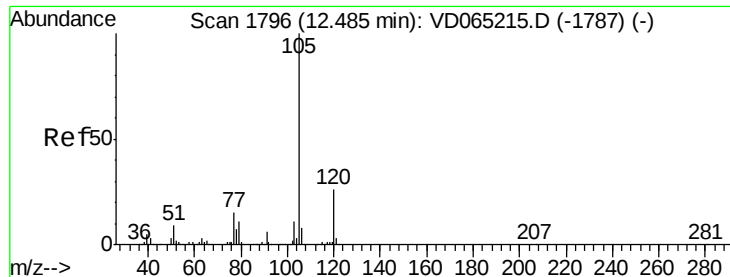
Acq: 21 Feb 2020 12:17

Tgt Ion:	152	Resp:	325772
Ion Ratio	Lower	Upper	
152	100		
115	56.1	27.6	82.8
150	163.0	0.0	347.4



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





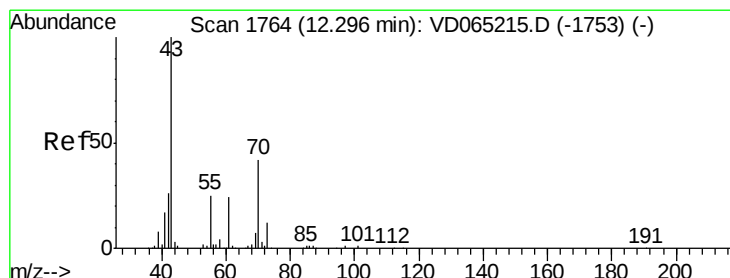
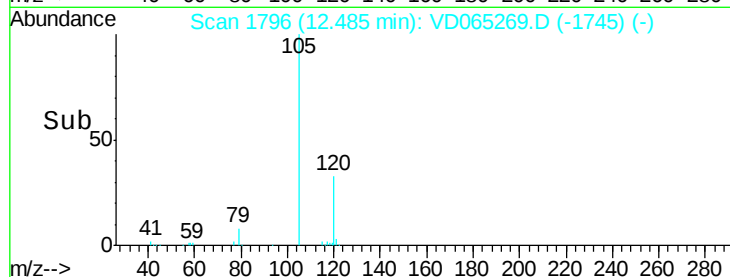
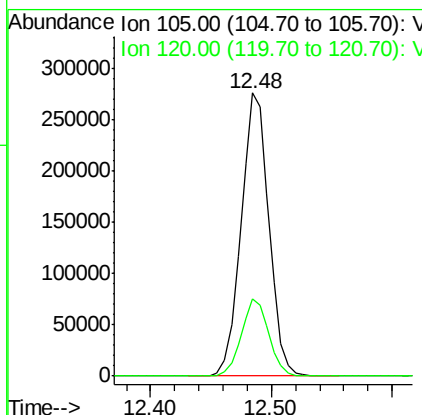
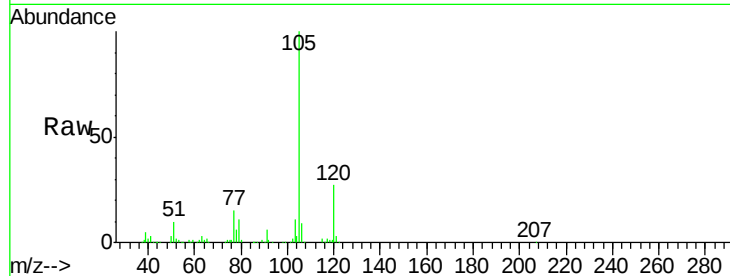
#73
Isopropylbenzene
Concen: 20.464 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.3	39.9

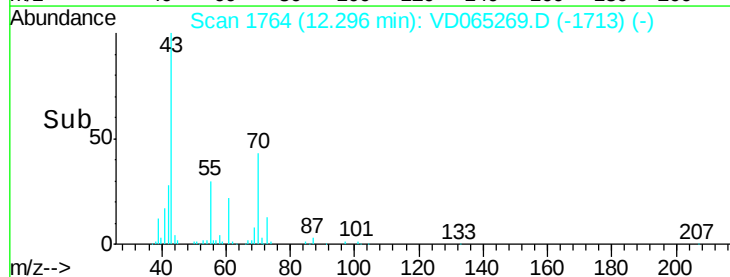
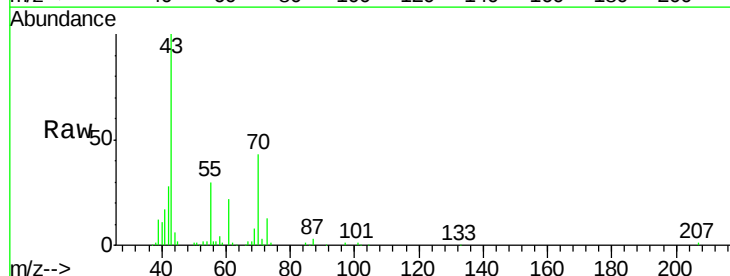
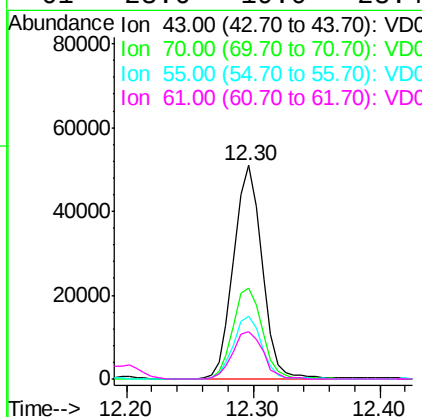
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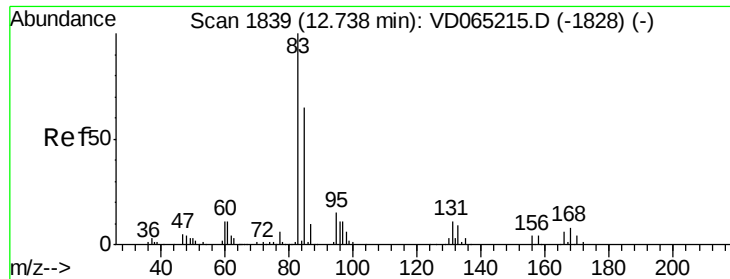
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#74
N-ethyl acetate
Concen: 16.608 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.9	33.7	50.5
55	29.4	20.7	31.1
61	23.6	19.0	28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 18.259 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

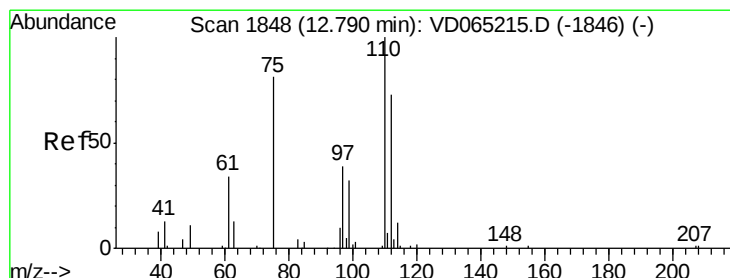
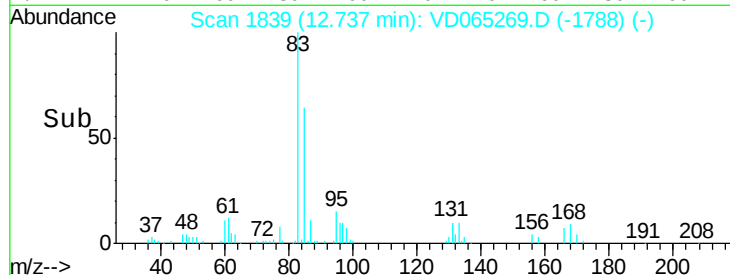
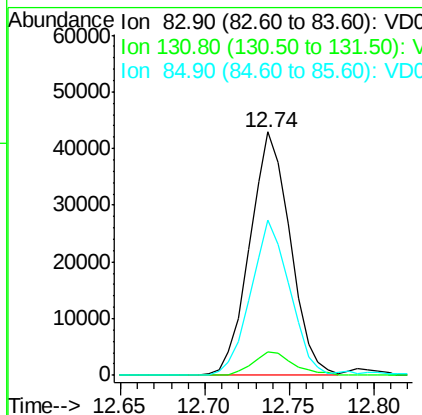
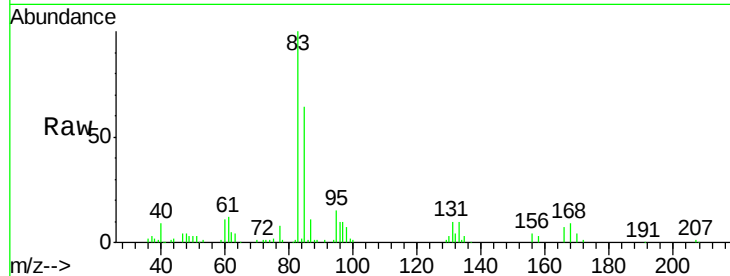
ClientSampleId :

VD0221SBS01

Tot Ion:	83	Resp:	71074
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.4	16.2
85	62.0	31.6	94.8

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#76

1,2,3-Trichloropropane

Concen: 16.756 ug/l m

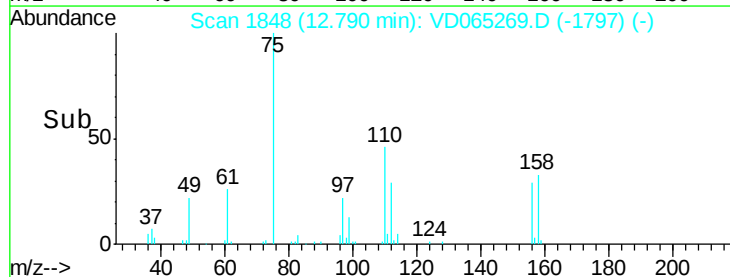
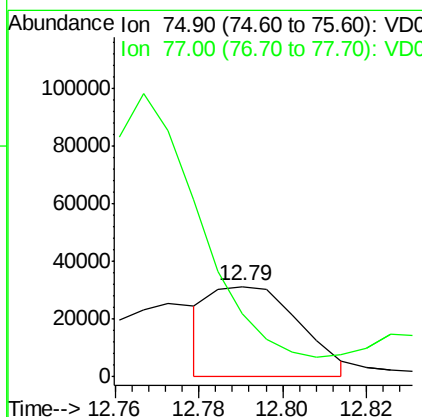
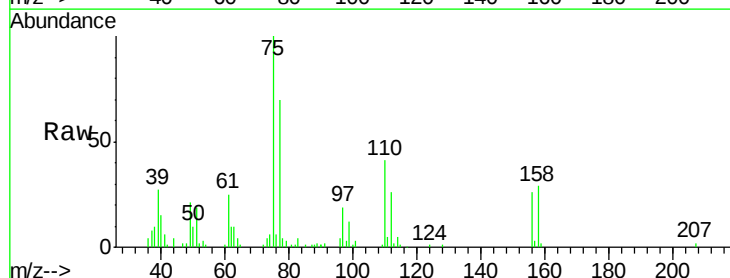
RT: 12.79 min Scan# 1848

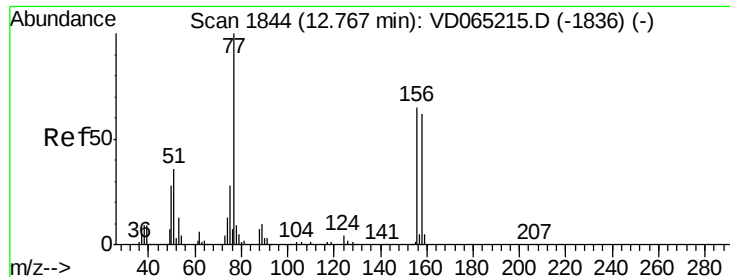
Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Tgt Ion:	75	Resp:	46445
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.330 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

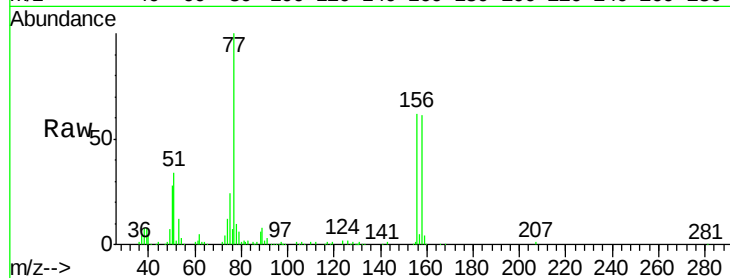
ClientSampleId :

VD0221SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	174.4	86.6	259.7
158	98.7	48.1	144.3

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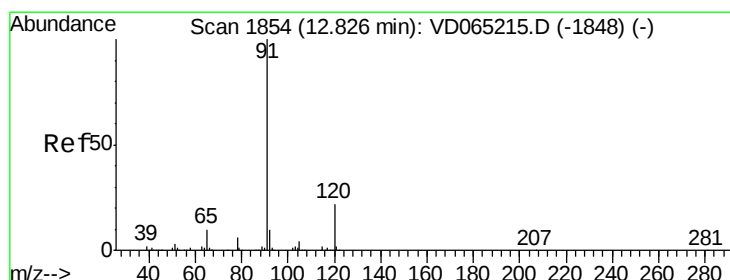
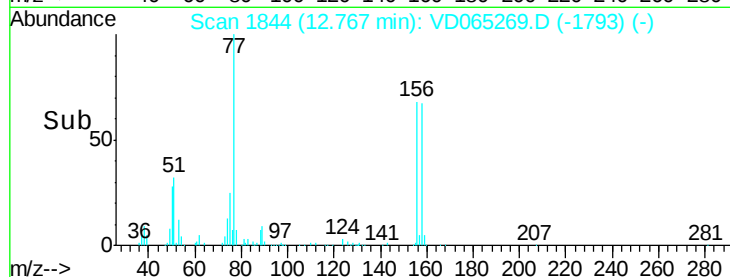
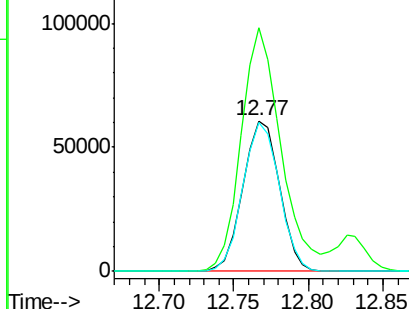
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.798 ug/l

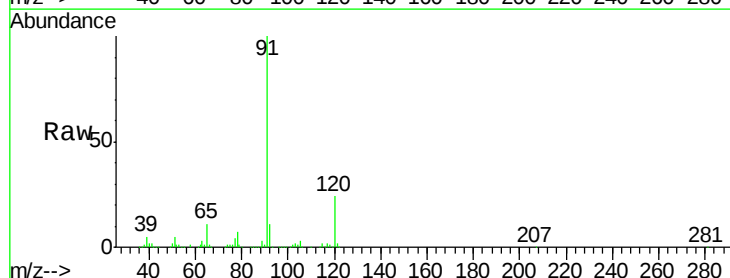
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065269.D

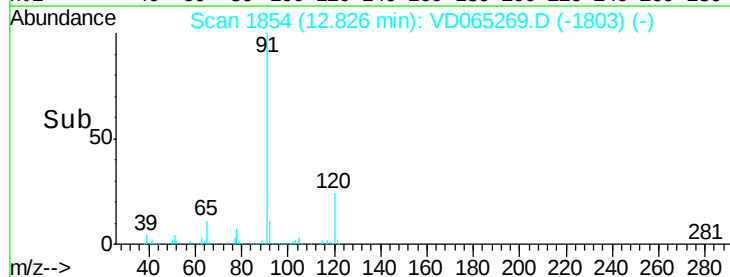
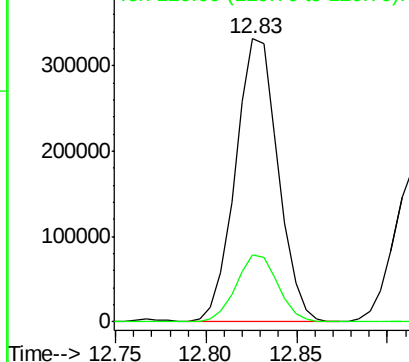
Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





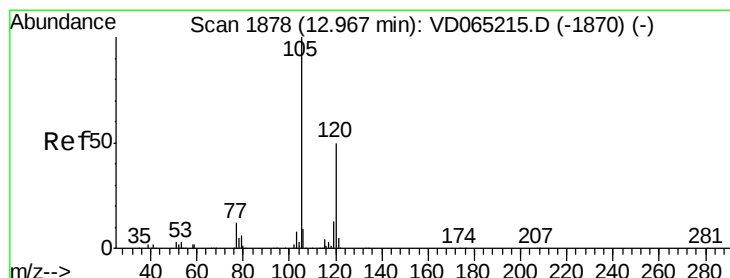
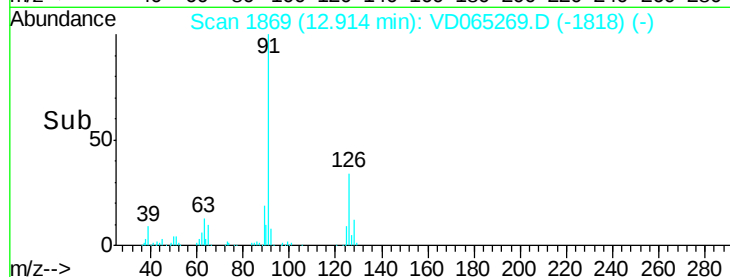
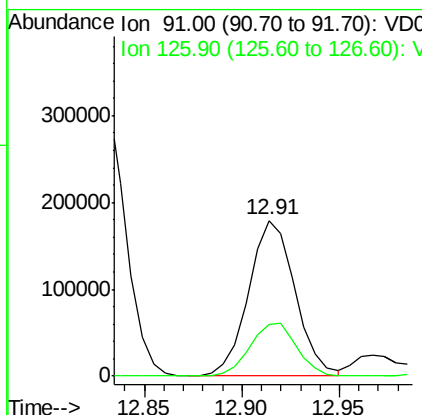
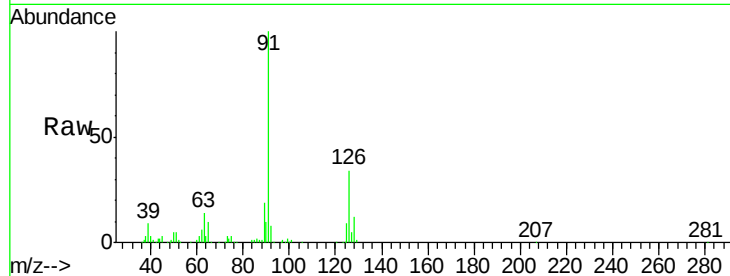
#79
2-Chlorotoluene
Concen: 20.301 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.5	52.6

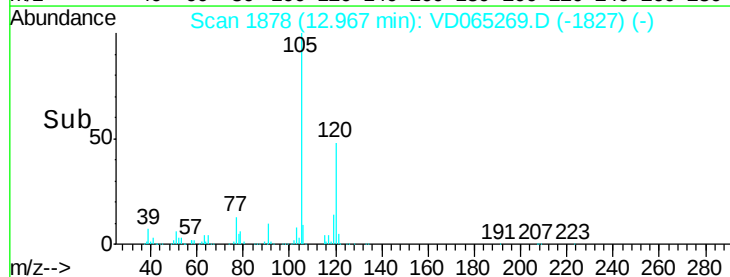
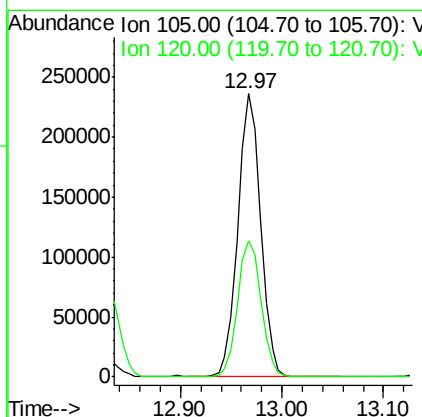
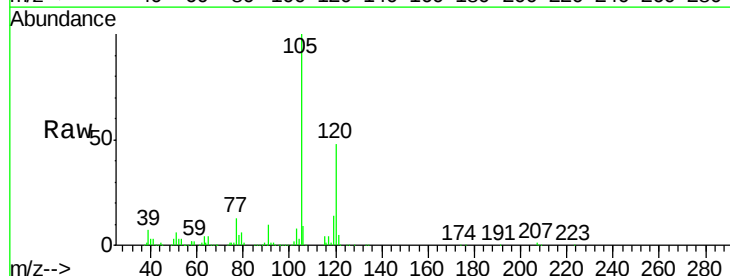
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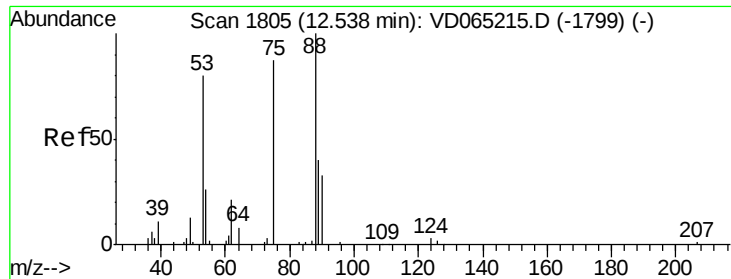
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#80
1,3,5-Trimethylbenzene
Concen: 20.818 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.6	25.4	76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 17.370 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0221SBS01

Tot Ion: 75 Resp: 22298

Ion Ratio Lower Upper

75 100

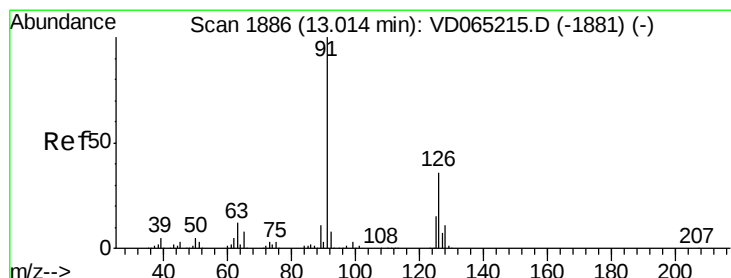
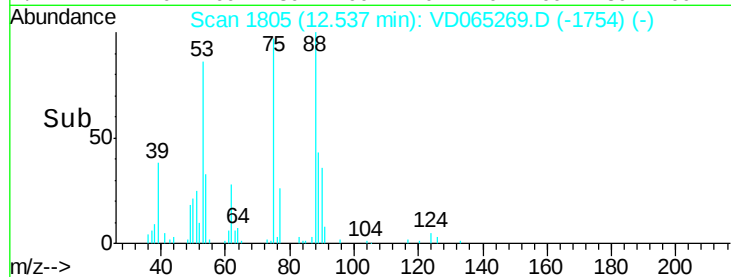
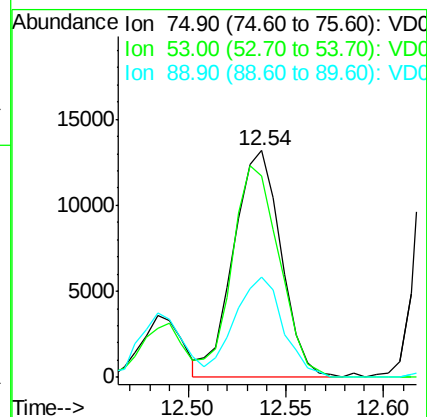
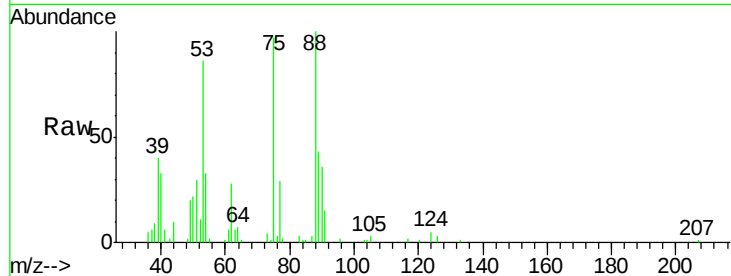
53 93.0 77.6 116.4

89 45.1 37.2 55.8

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#82

4-Chlorotoluene

Concen: 20.347 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065269.D

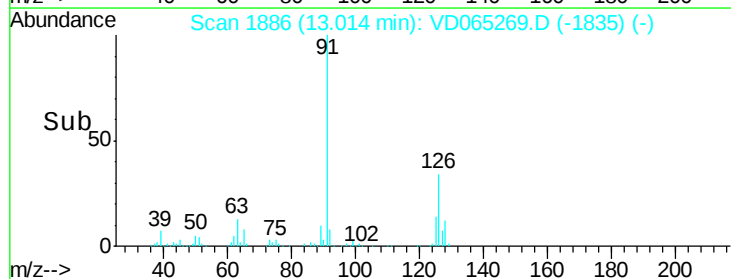
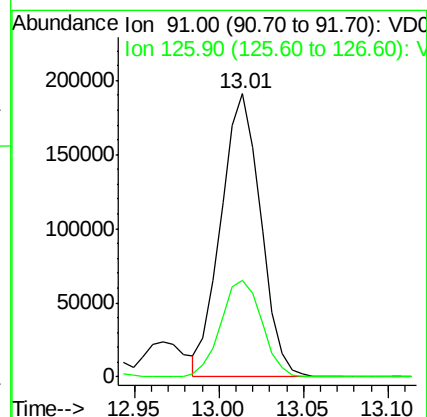
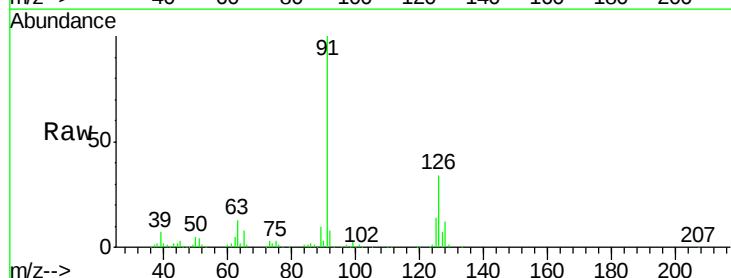
Acq: 21 Feb 2020 12:17

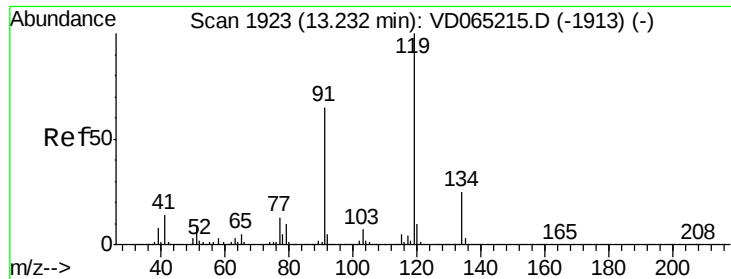
Tgt Ion: 91 Resp: 313637

Ion Ratio Lower Upper

91 100

126 35.4 17.4 52.3





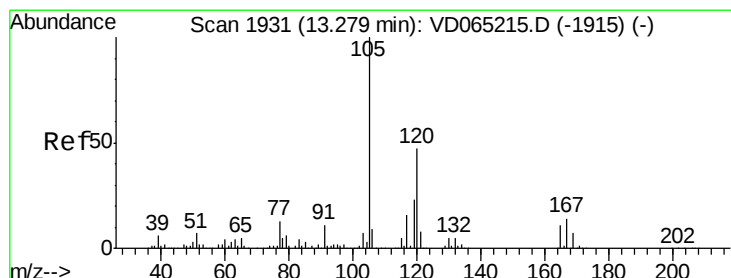
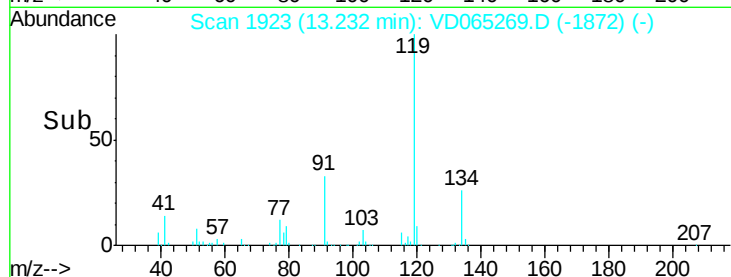
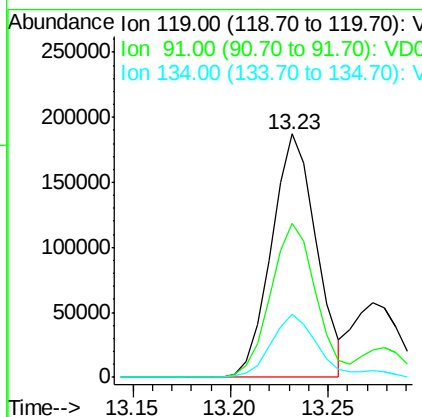
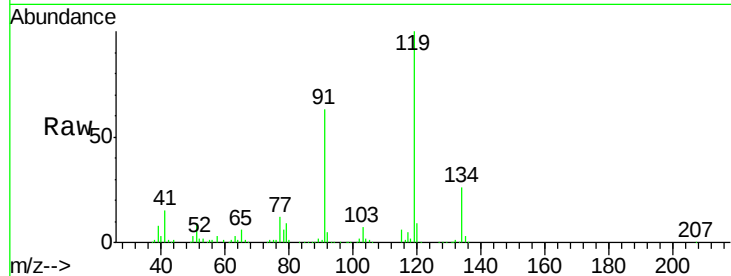
#83
tert-Butylbenzene
Concen: 19.984 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	297532		
91	64.2		31.9	95.5
134	27.8		13.8	41.3

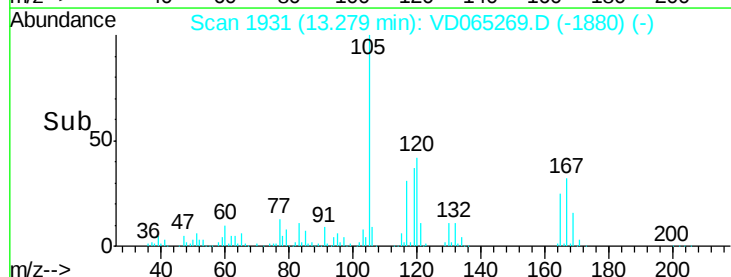
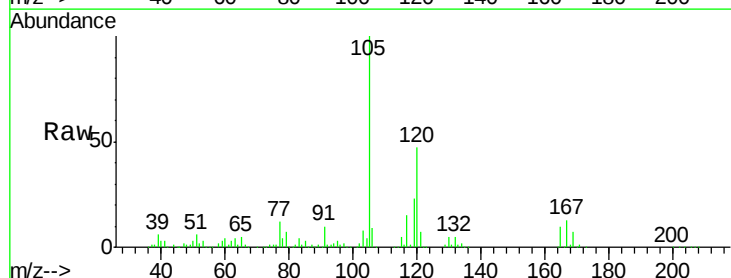
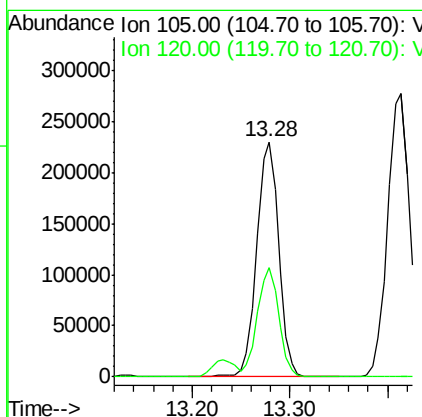
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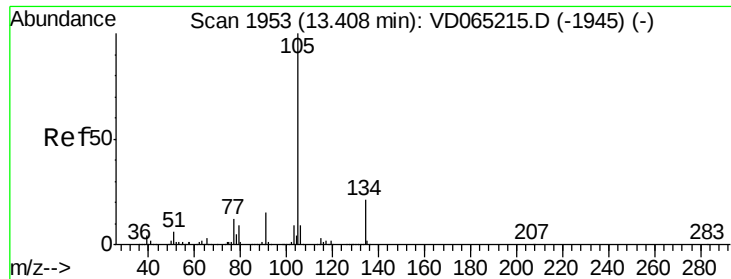
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#84
1,2,4-Trimethylbenzene
Concen: 20.481 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	364146		
120	45.4		23.3	69.9





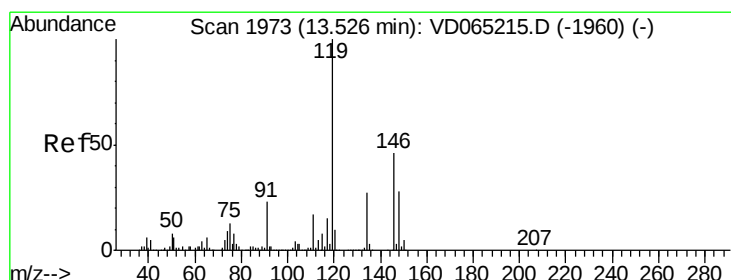
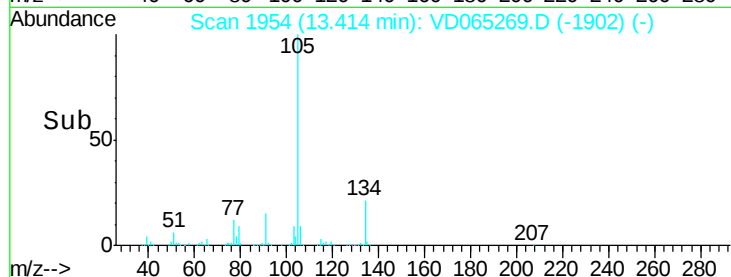
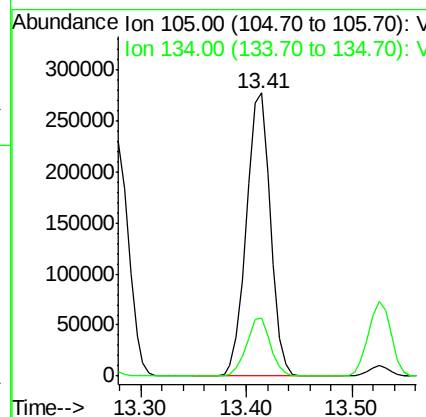
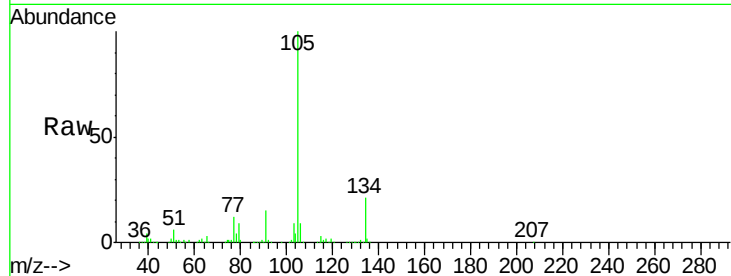
#85
 sec-Butylbenzene
 Concen: 20.373 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0221SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.3	30.9

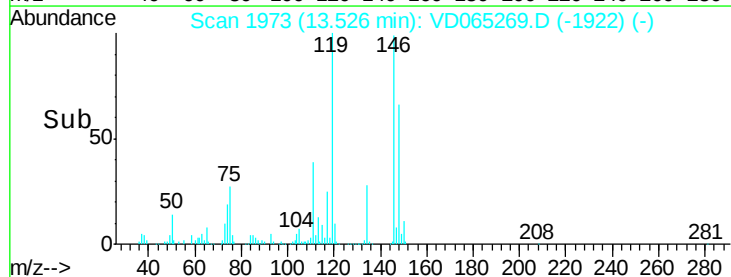
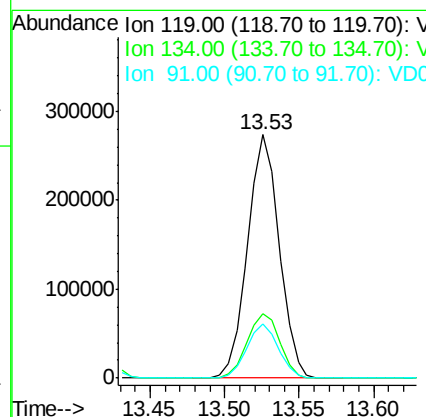
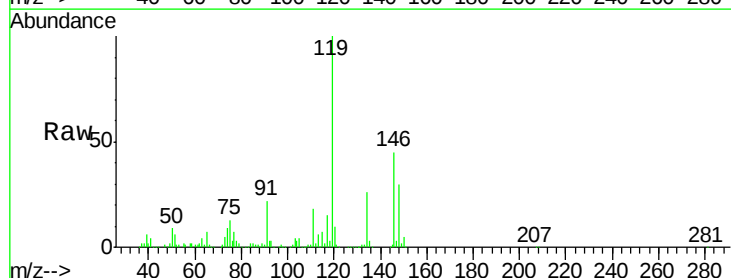
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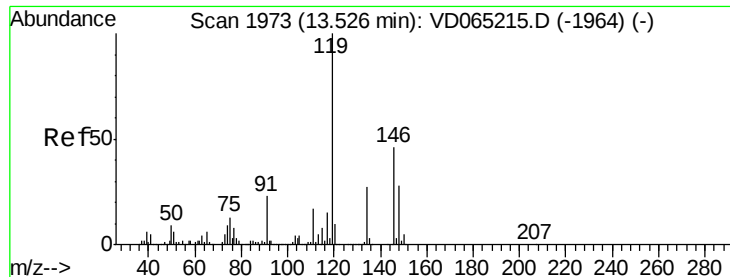
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#86
 p-Isopropyltoluene
 Concen: 20.464 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.3	39.8
91	22.0	11.1	33.1





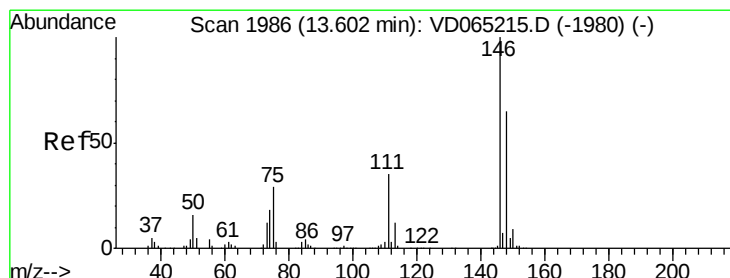
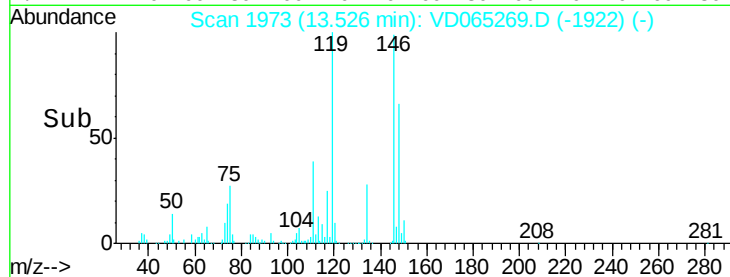
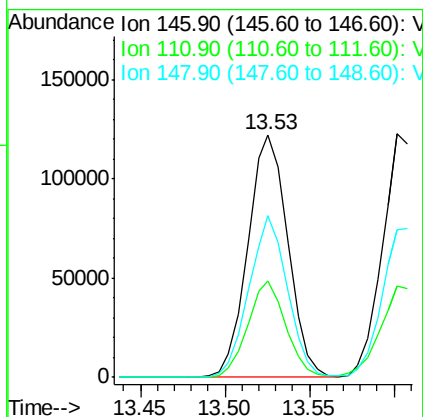
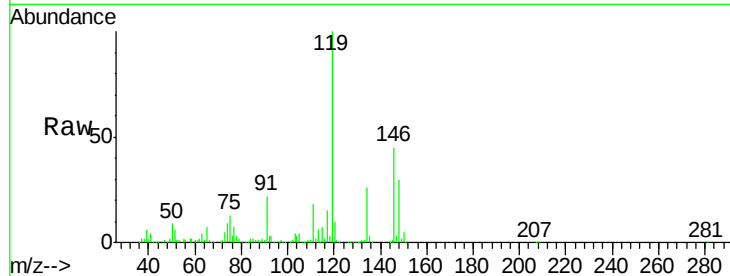
#87
 1,3-Dichlorobenzene
 Concen: 19.369 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0221SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.8
148	64.1	31.4	94.3

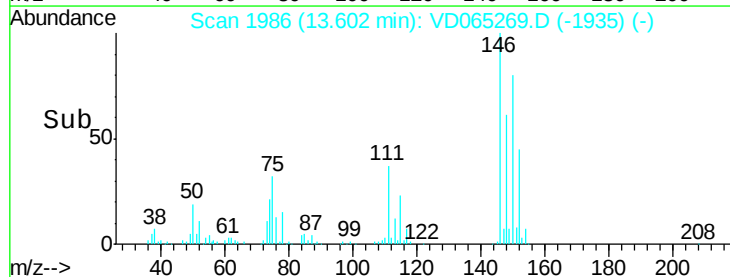
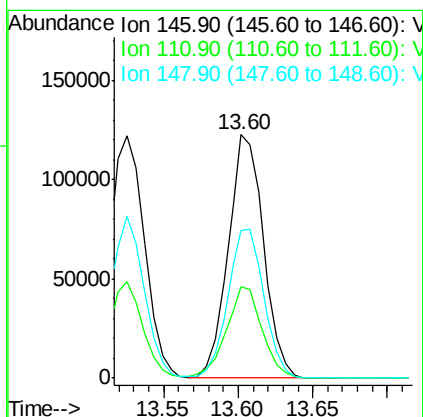
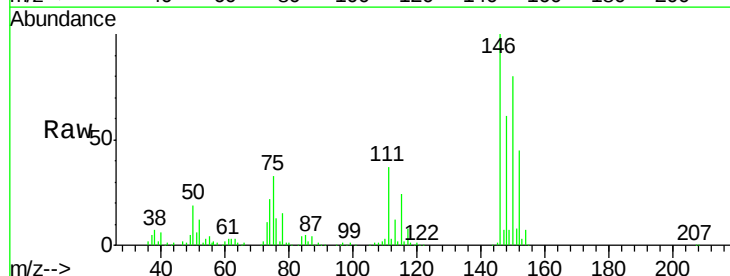
Manual Integrations
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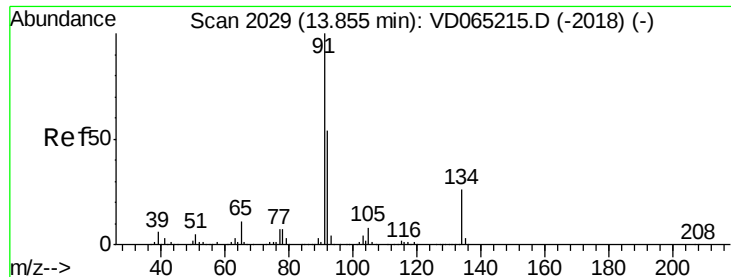
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#88
 1,4-Dichlorobenzene
 Concen: 19.773 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.4	55.2
148	63.1	32.1	96.5





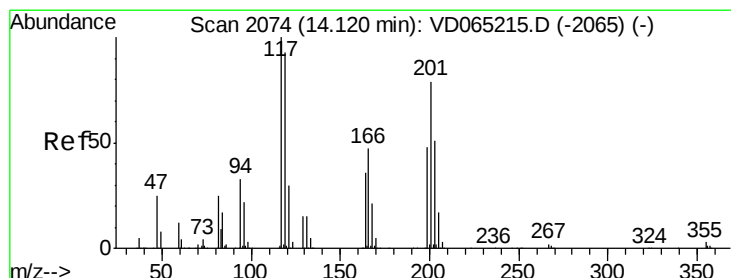
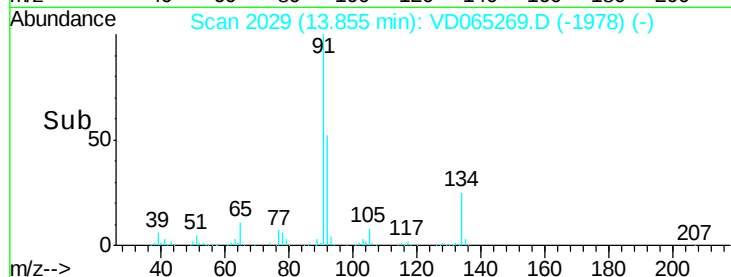
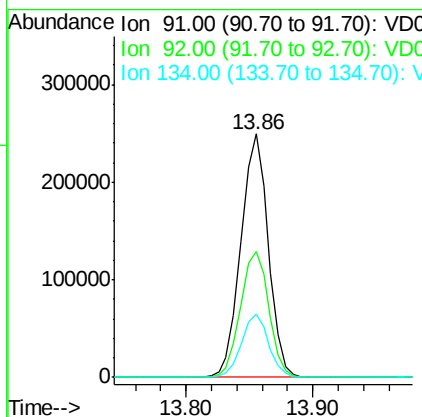
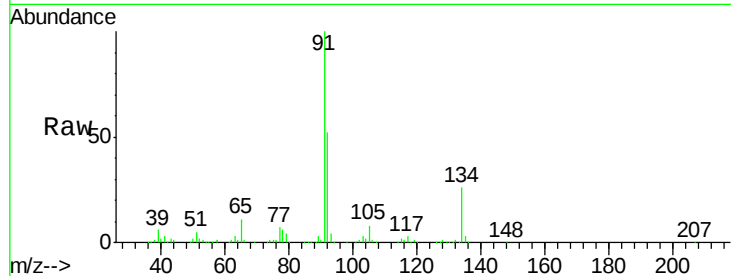
#89
n-Butylbenzene
Concen: 20.634 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.5	27.0	80.8	
134	25.7	13.5	40.4	

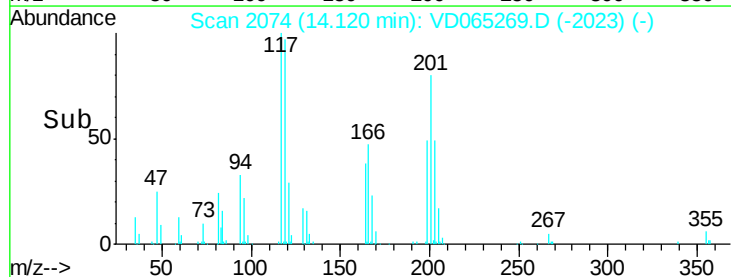
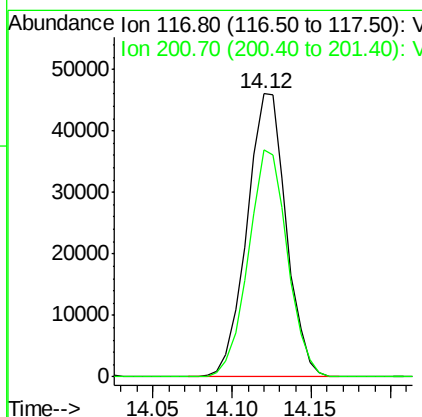
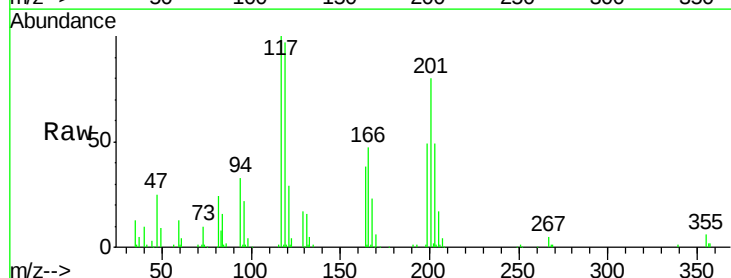
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#90
Hexachloroethane
Concen: 19.856 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	79.9	41.3	124.1	





#91

1,2-Dichlorobenzene

Concen: 19.116 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

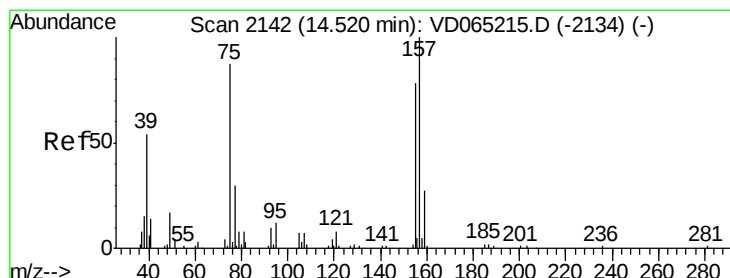
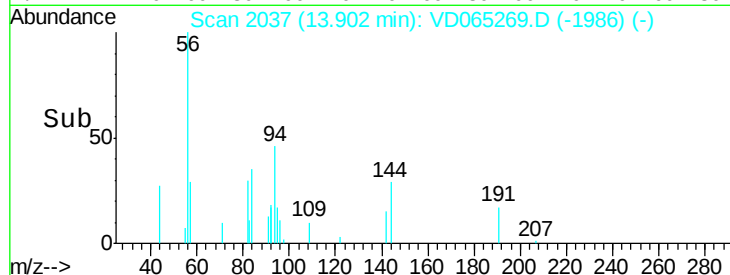
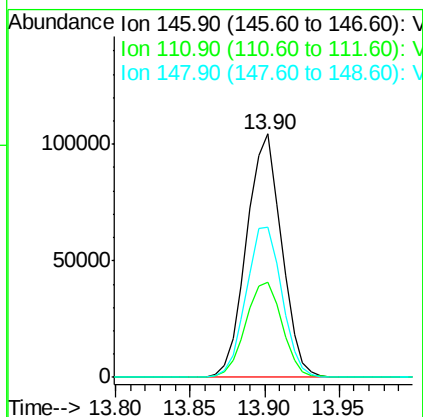
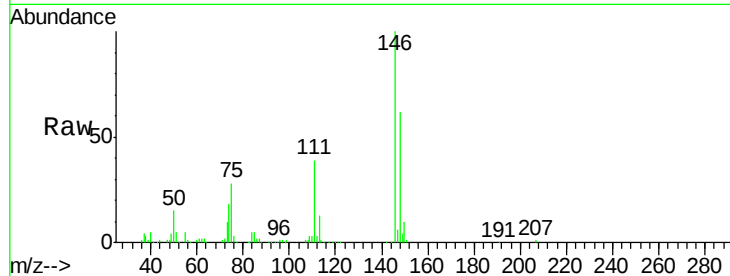
ClientSampleId :

VD0221SBS01

Tot Ion:	146	Resp:	169944
Ion Ratio		Lower	Upper
146	100		
111	40.4	19.7	59.0
148	63.1	32.0	96.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 16.371 ug/l

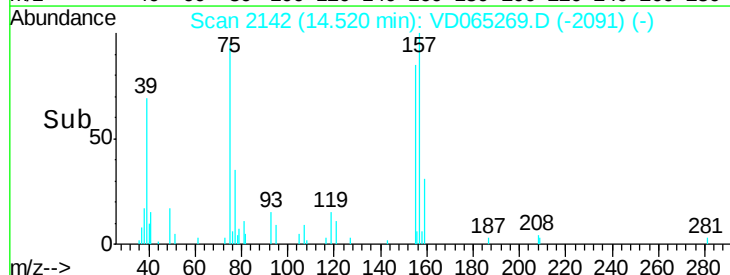
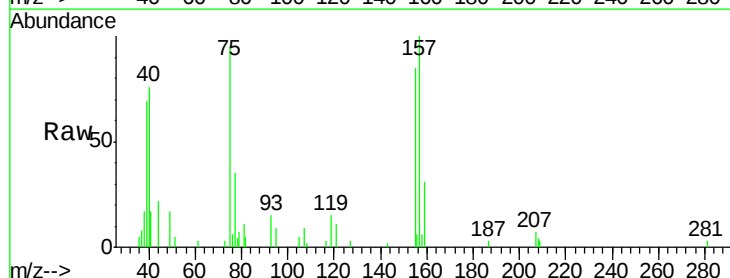
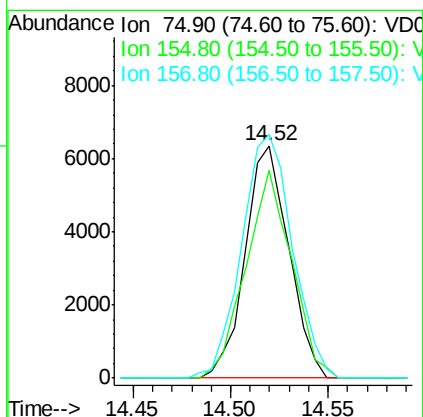
RT: 14.52 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Tgt Ion:	75	Resp:	9820
Ion Ratio		Lower	Upper
75	100		
155	94.3	42.3	126.9
157	122.2	56.7	170.1





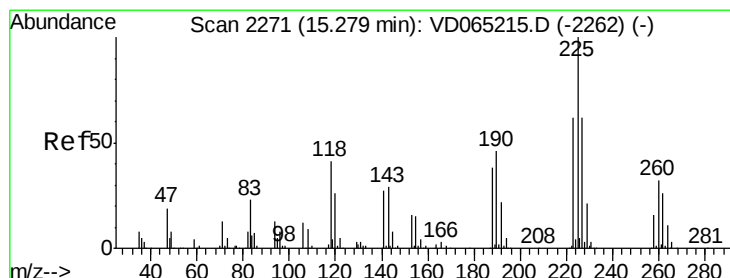
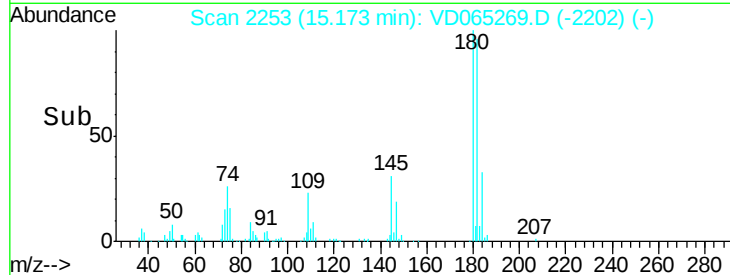
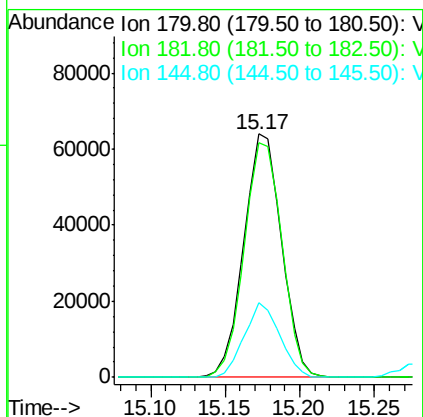
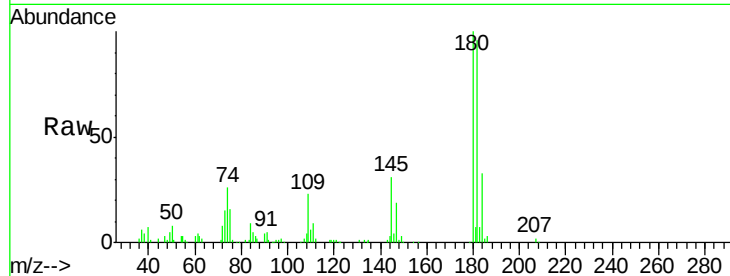
#93
 1,2,4-Trichlorobenzene
 Concen: 19.263 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	112014		
182	96.4	46.9	140.6	
145	28.9	13.9	41.7	

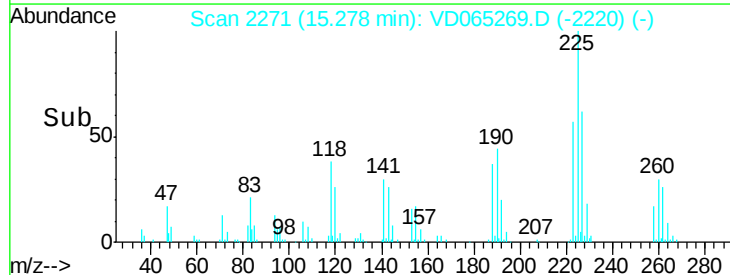
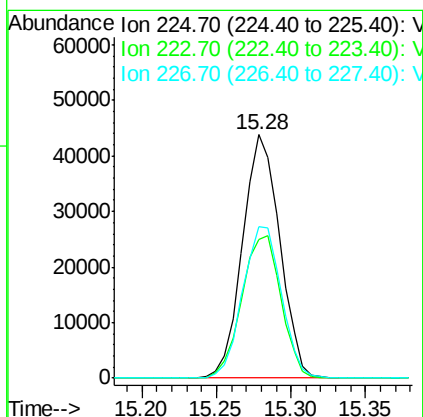
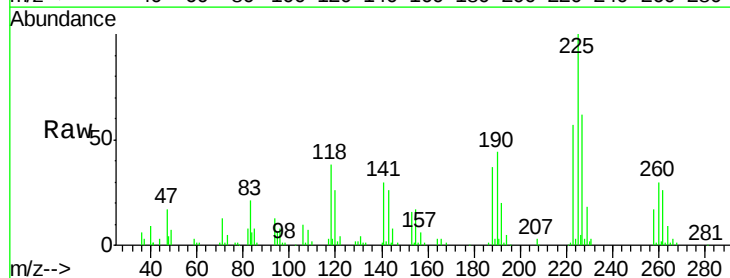
Manual Integrations
 APPROVED

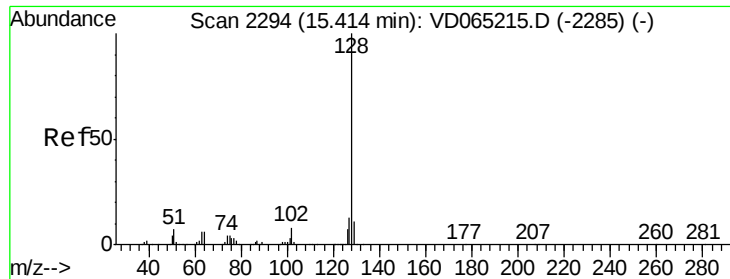
MMDadoda
 2/24/2020 11:08:47 AM



#94
 Hexachlorobutadiene
 Concen: 20.251 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75543		
223	61.6	31.4	94.2	
227	64.5	31.7	95.1	





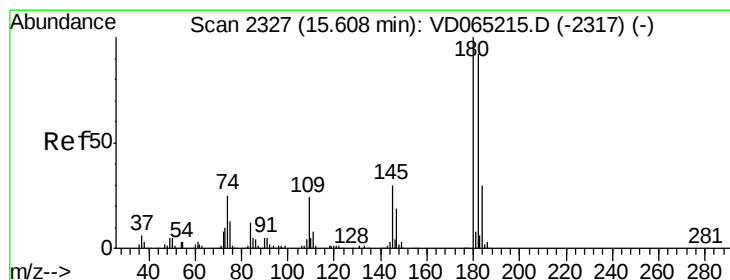
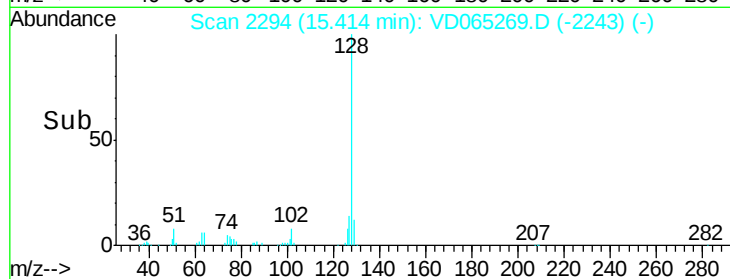
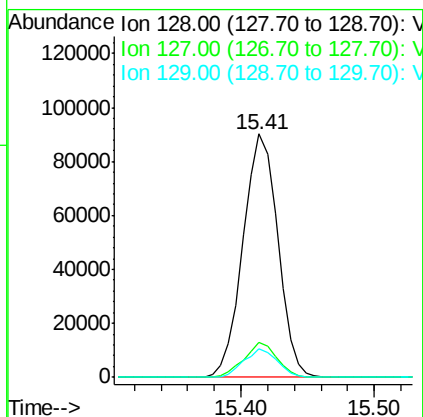
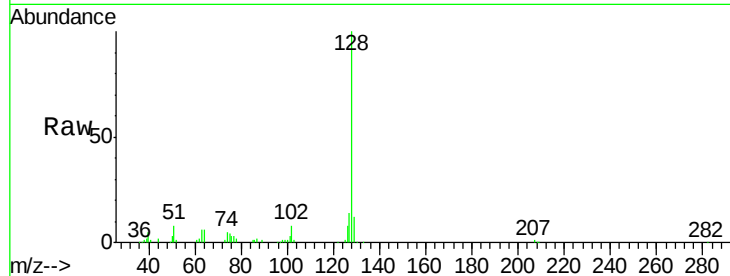
#95
Naphthalene
Concen: 17.237 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	162952		
127	13.7		10.3	15.5
129	11.2		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:08:47 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.872 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	95846		
182	97.3		46.9	140.6
145	32.1		15.4	46.1

