

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030220\
 Data File : VD065371.D
 Acq On : 02 Mar 2020 11:19
 Operator : VA/SY
 Sample : VD0302SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/3/2020 11:12:02 AM

Quant Time: Mar 02 13:11:35 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	456974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	671555	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	608882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304795	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	207556	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
35) Dibromofluoromethane	7.92	113	225513	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	
50) Toluene-d8	10.34	98	886188	56.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.22%	
62) 4-Bromofluorobenzene	12.64	95	282000	56.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.74%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	70913	18.502	ug/l	99
3) Chloromethane	2.21	50	90494	18.550	ug/l	95
4) Vinyl Chloride	2.36	62	92484	18.643	ug/l	97
5) Bromomethane	2.77	94	57805	19.272	ug/l	88
6) Chloroethane	2.93	64	58140	19.200	ug/l	98
7) Trichlorofluoromethane	3.27	101	149032	20.984	ug/l	98
8) Diethyl Ether	3.70	74	41980	19.582	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93958	20.949	ug/l	97
10) Methyl Iodide	4.30	142	86423	18.558	ug/l	99
11) Tert butyl alcohol	5.25	59	26469	107.748	ug/l	95
12) 1,1-Dichloroethene	4.06	96	85750	20.239	ug/l	99
13) Acrolein	3.92	56	30075	80.062	ug/l	98
14) Allyl chloride	4.71	41	133611	19.420	ug/l	98
15) Acrylonitrile	5.43	53	89457	94.249	ug/l	99
16) Acetone	4.17	43	85255	84.837	ug/l	98
17) Carbon Disulfide	4.40	76	272090	19.155	ug/l	97
18) Methyl Acetate	4.72	43	47363	20.956	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	168520	19.074	ug/l	98
20) Methylene Chloride	4.97	84	107204	21.319	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	97722	20.289	ug/l	99
22) Diisopropyl ether	6.37	45	269784	20.340	ug/l	98
23) Vinyl Acetate	6.31	43	668187	91.381	ug/l	99
24) 1,1-Dichloroethane	6.26	63	169248	20.573	ug/l	97
25) 2-Butanone	7.22	43	110790	87.137	ug/l	99
26) 2,2-Dichloropropane	7.21	77	144525	20.247	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	102870	20.163	ug/l	98
28) Bromochloromethane	7.55	49	57619	18.878	ug/l	99
29) Tetrahydrofuran	7.57	42	69789	93.680	ug/l	100
30) Chloroform	7.71	83	168701	20.354	ug/l	100
31) Cyclohexane	7.98	56	155017	19.178	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	156419	21.093	ug/l	99
36) 1,1-Dichloropropene	8.11	75	136426	20.878	ug/l	99
37) Ethyl Acetate	7.30	43	50737	18.574	ug/l	98
38) Carbon Tetrachloride	8.10	117	142281	21.390	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	158852	20.679	ug/l	98
40) Benzene	8.36	78	386081	20.933	ug/l	98
41) Methacrylonitrile	7.53	41	27167	17.225	ug/l	96
42) 1,2-Dichloroethane	8.43	62	102744	20.263	ug/l	100
43) Isopropyl Acetate	8.46	43	90677	18.254	ug/l	96
44) Trichloroethene	9.11	130	108050	21.134	ug/l	99
45) 1,2-Dichloropropane	9.39	63	96907	21.130	ug/l	97
46) Dibromomethane	9.48	93	48041	20.359	ug/l	98
47) Bromodichloromethane	9.67	83	127371	20.482	ug/l	98
48) Methyl methacrylate	9.46	41	42307	18.426	ug/l	95
49) 1,4-Dioxane	9.47	88	10931	394.973	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	242248	96.016	ug/l	100
52) Toluene	10.41	92	252527	22.120	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	115691	20.071	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	141625	20.347	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	68424	20.602	ug/l	99
56) Ethyl methacrylate	10.67	69	72531	18.921	ug/l	99
57) 1,3-Dichloropropane	10.96	76	115924	20.508	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	113352	93.790	ug/l	100
59) 2-Hexanone	10.99	43	167851	92.938	ug/l	97
60) Dibromochloromethane	11.15	129	89109	20.962	ug/l	100
61) 1,2-Dibromoethane	11.25	107	63967	20.342	ug/l	99
64) Tetrachloroethene	10.88	164	96849	22.427	ug/l	96
65) Chlorobenzene	11.68	112	262941	21.519	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	96363	21.134	ug/l	99
67) Ethyl Benzene	11.75	91	451146	21.082	ug/l	100
68) m/p-Xylenes	11.86	106	355602	43.433	ug/l	100
69) o-Xylene	12.19	106	152474	21.020	ug/l	100
70) Styrene	12.20	104	273899	21.268	ug/l	98
71) Bromoform	12.37	173	52205	20.633	ug/l #	99
73) Isopropylbenzene	12.49	105	428762	21.248	ug/l	100
74) N-amyl acetate	12.30	43	79889	17.817	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	71660	19.677	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	52778m	20.352	ug/l	
77) Bromobenzene	12.77	156	105764	21.107	ug/l	99
78) n-propylbenzene	12.83	91	519847	21.438	ug/l	99
79) 2-Chlorotoluene	12.92	91	288136	21.210	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	355625	21.398	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	22295	18.563	ug/l	97
82) 4-Chlorotoluene	13.01	91	303614	21.052	ug/l	98
83) tert-Butylbenzene	13.23	119	303301	21.774	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	362807	21.810	ug/l	100
85) sec-Butylbenzene	13.41	105	431784	21.512	ug/l	100
86) p-Isopropyltoluene	13.53	119	392950	21.408	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	202432	20.897	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	200861	21.009	ug/l	99
89) n-Butylbenzene	13.86	91	359169	21.235	ug/l	98
90) Hexachloroethane	14.13	117	78758	21.132	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	174552	20.986	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10601	18.889	ug/l	93

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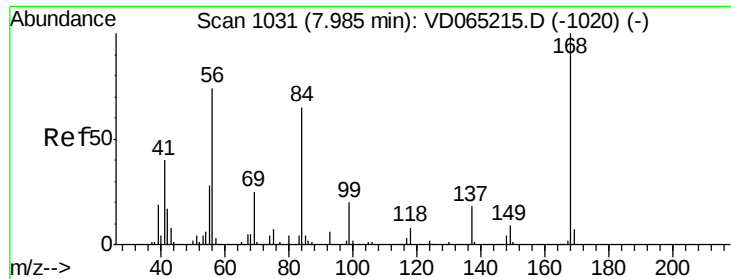
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	115336	21.199	ug/l	99
94) Hexachlorobutadiene	15.28	225	74769	21.423	ug/l	98
95) Naphthalene	15.41	128	169849	19.204	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	99552	20.951	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

Tot Ion:168 Resp: 456974

Ion Ratio Lower Upper

168 100

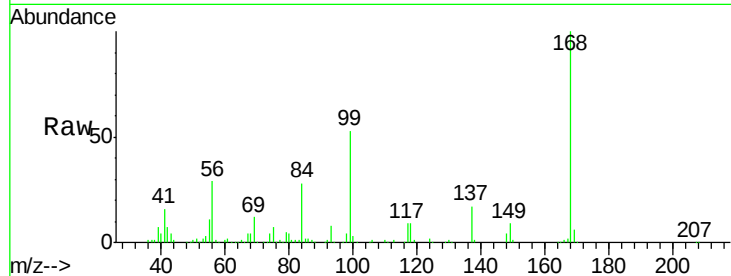
99 52.7 41.4 62.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

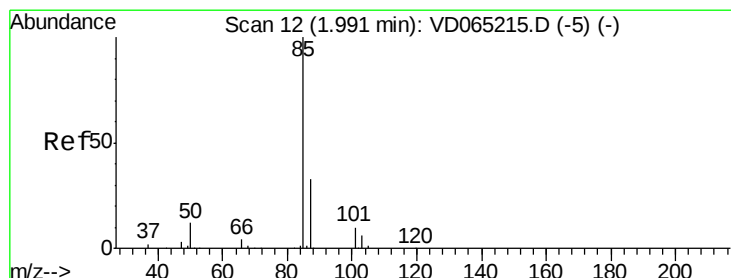
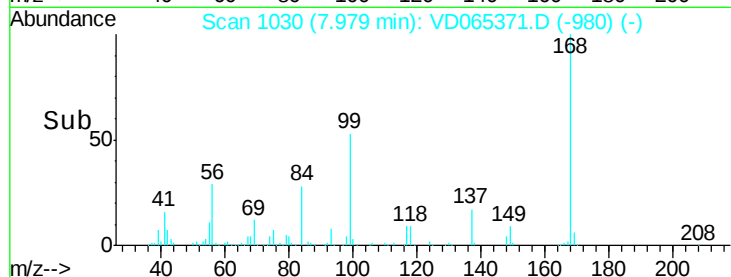
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.502 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065371.D

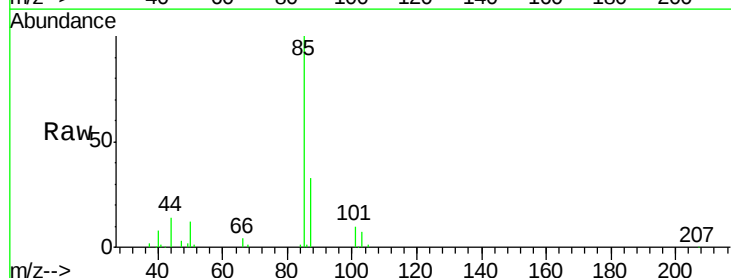
Acq: 02 Mar 2020 11:19

Tgt Ion: 85 Resp: 70913

Ion Ratio Lower Upper

85 100

87 33.2 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

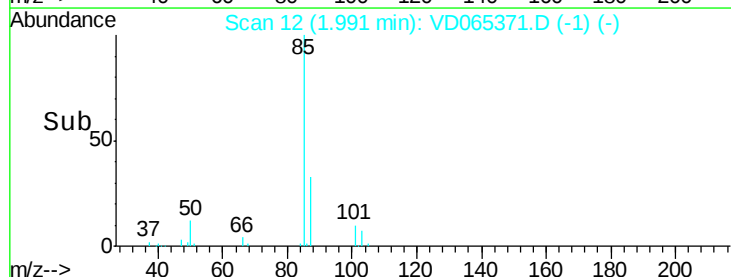
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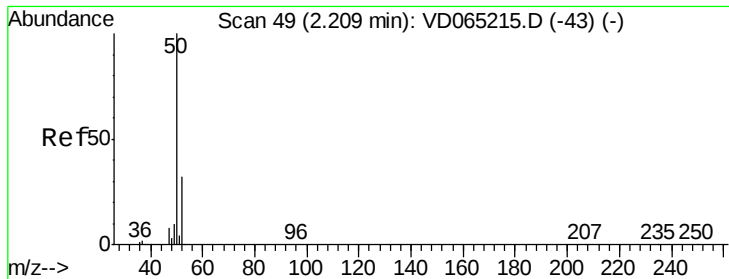
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 18.550 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

Tot Ion: 50 Resp: 90494

Ion Ratio Lower Upper

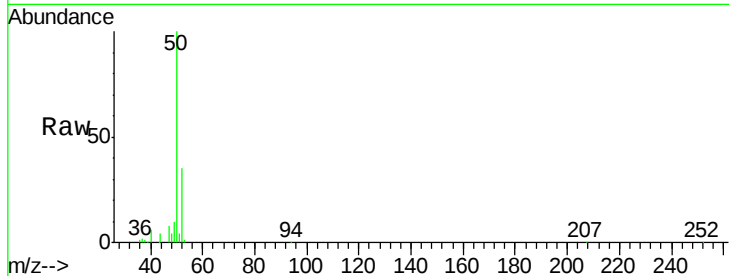
50 100

52 34.9 25.5 38.3

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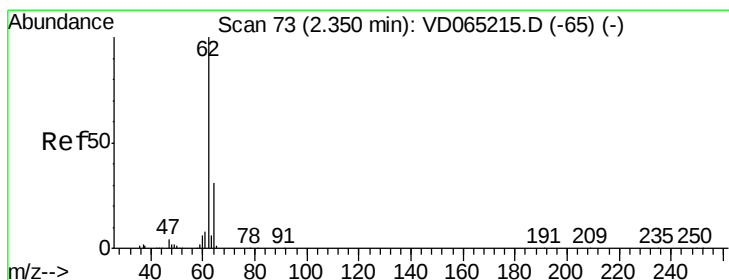
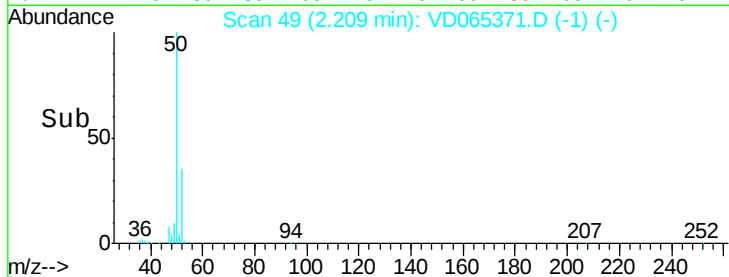
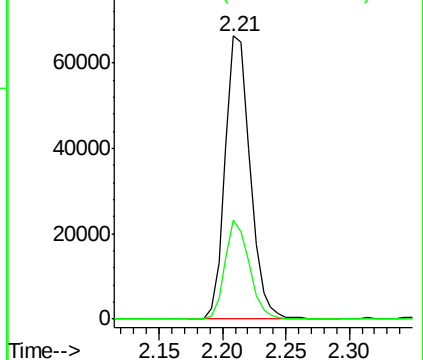
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.643 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065371.D

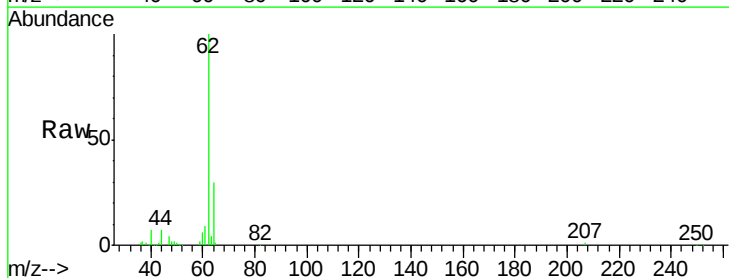
Acq: 02 Mar 2020 11:19

Tgt Ion: 62 Resp: 92484

Ion Ratio Lower Upper

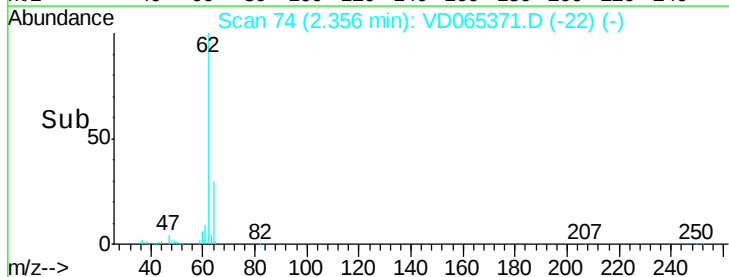
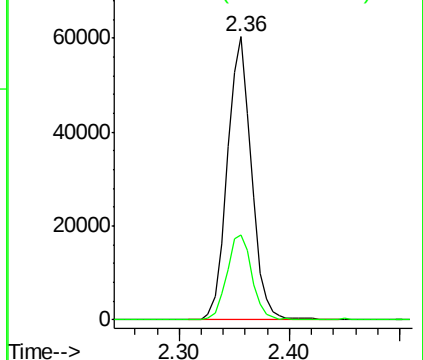
62 100

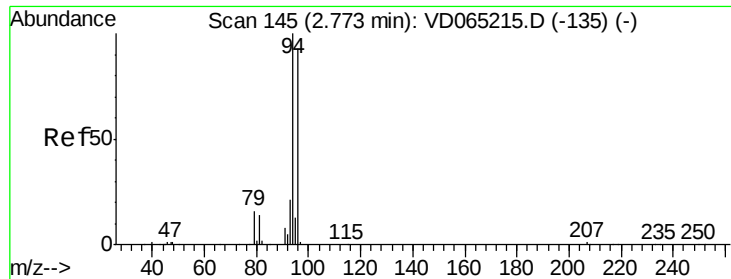
64 29.9 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.272 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

Tot Ion: 94 Resp: 57805

Ion Ratio Lower Upper

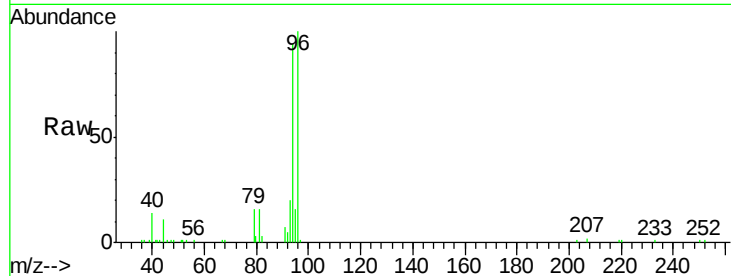
94 100

96 104.6 74.2 111.4

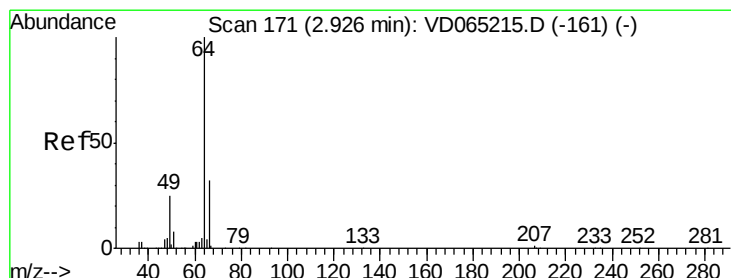
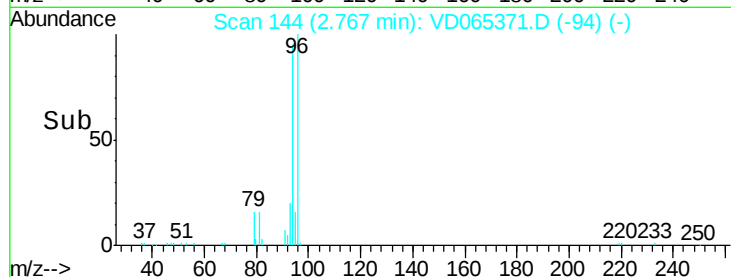
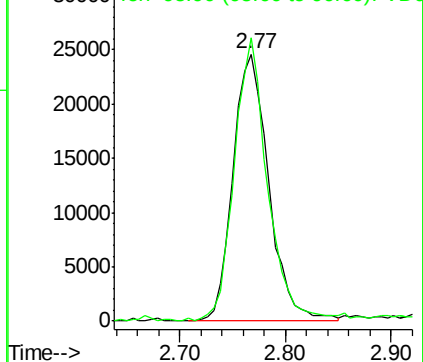
Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.200 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065371.D

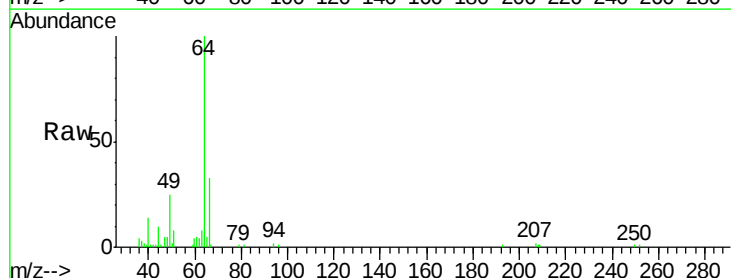
Acq: 02 Mar 2020 11:19

Tgt Ion: 64 Resp: 58140

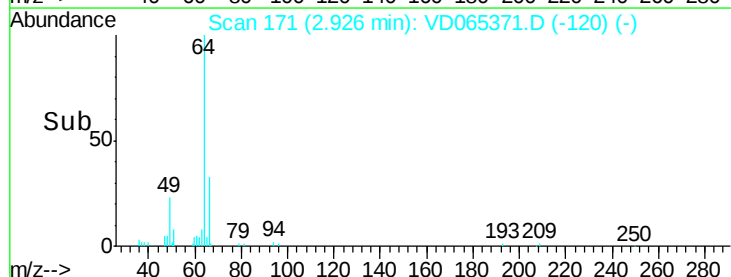
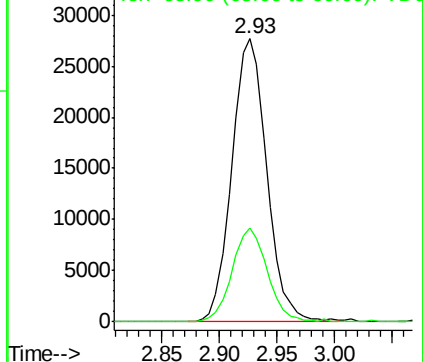
Ion Ratio Lower Upper

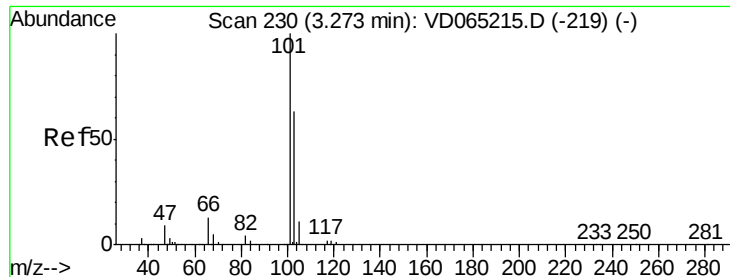
64 100

66 33.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC





#7

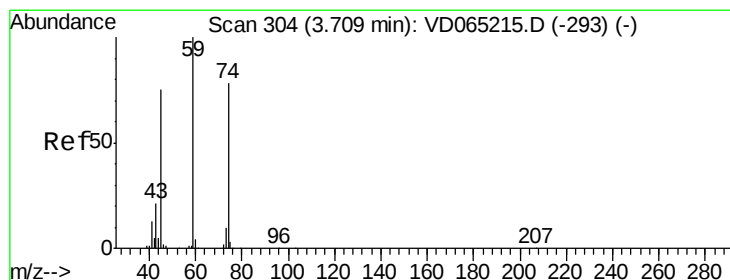
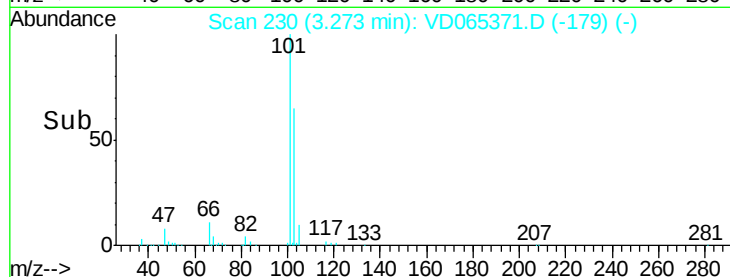
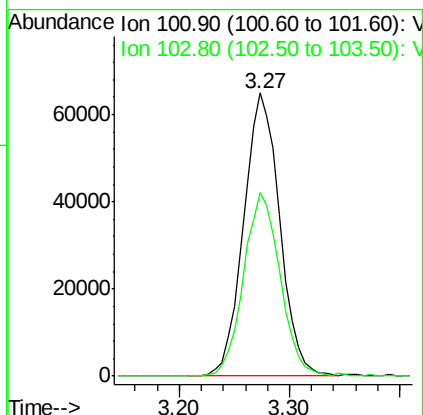
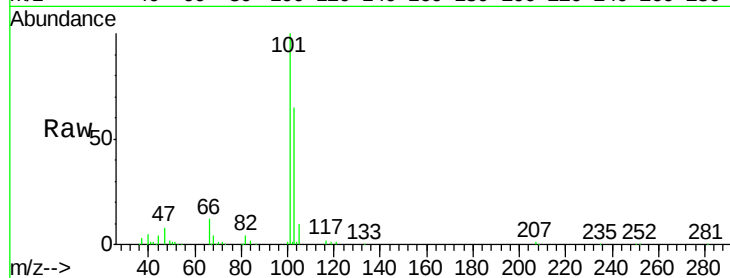
Trichlorofluoromethane
Concen: 20.984 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

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VD0302SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	50.7	76.1

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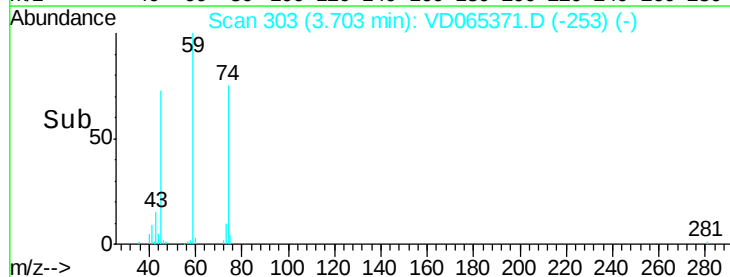
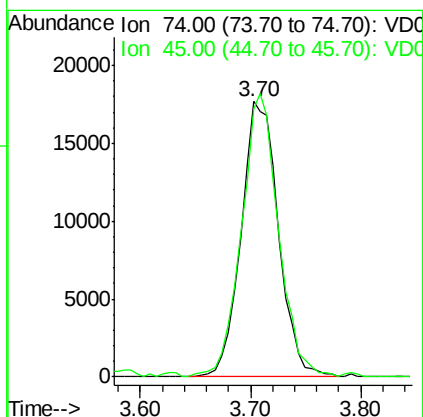
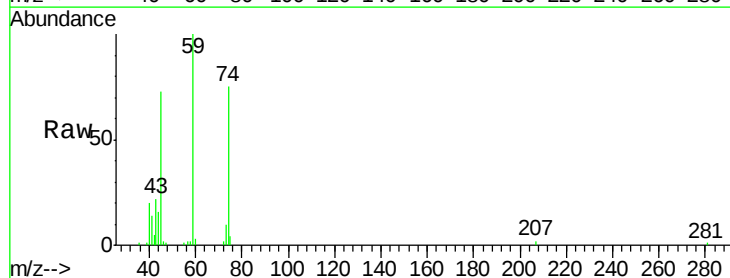
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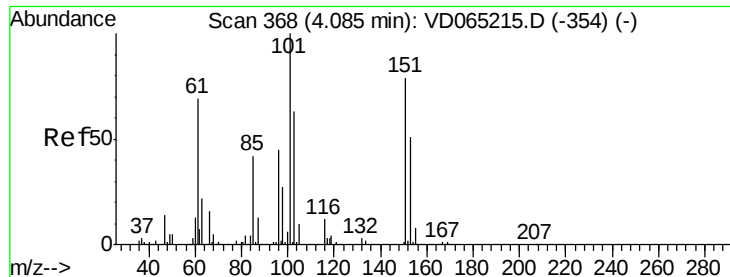


#8

Diethyl Ether
Concen: 19.582 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.9	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.949 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

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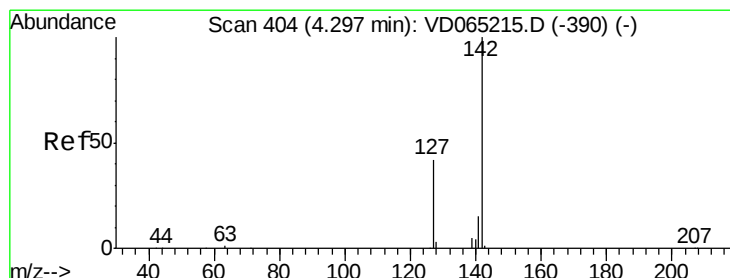
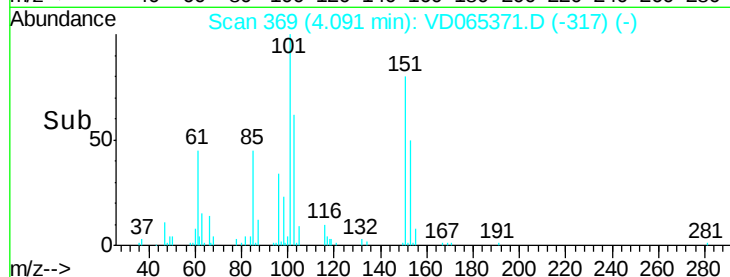
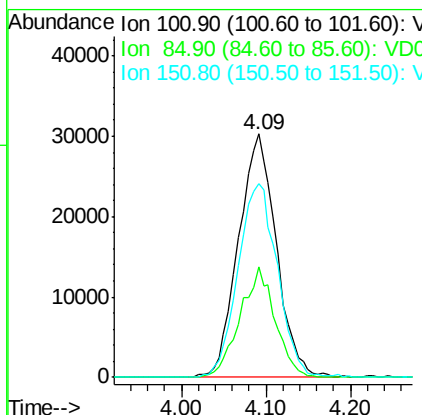
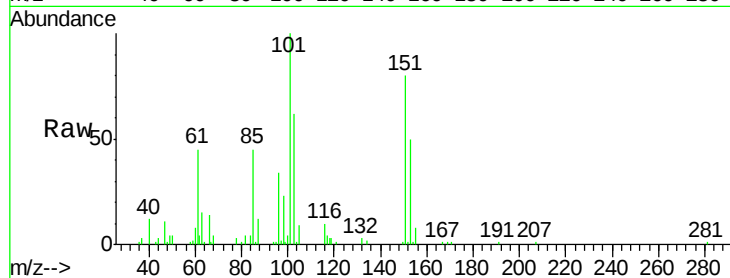
ClientSampleId :

VD0302SBS01

Tot Ion:	101	Resp:	93958
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.2	51.2
151	83.3	63.5	95.3

Manual Integrations
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#10

Methyl Iodide

Concen: 18.558 ug/l

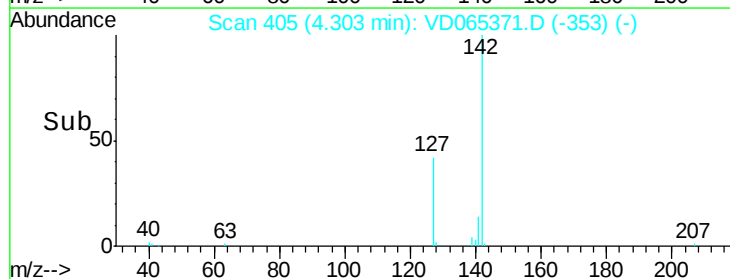
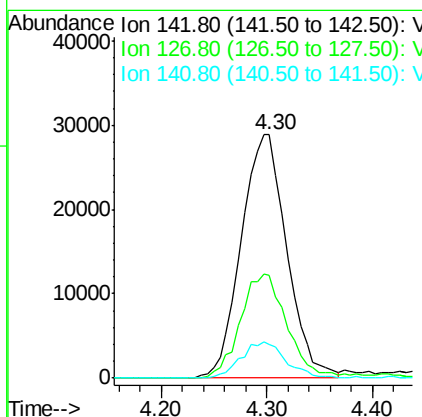
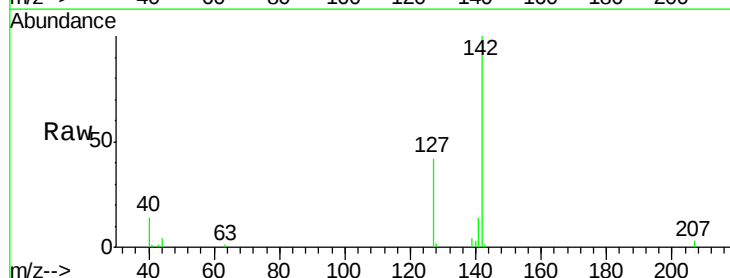
RT: 4.30 min Scan# 405

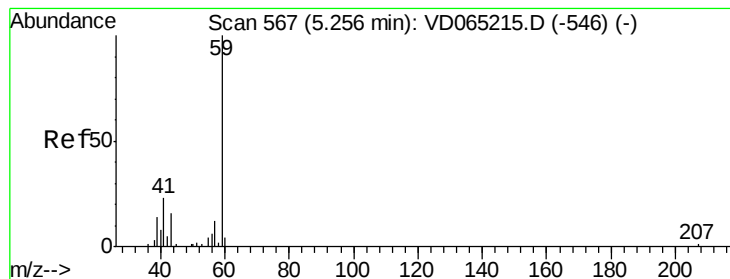
Delta R.T. 0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Tgt Ion:	142	Resp:	86423
Ion Ratio	Lower	Upper	
142	100		
127	43.5	33.8	50.8
141	14.5	11.7	17.5





#11

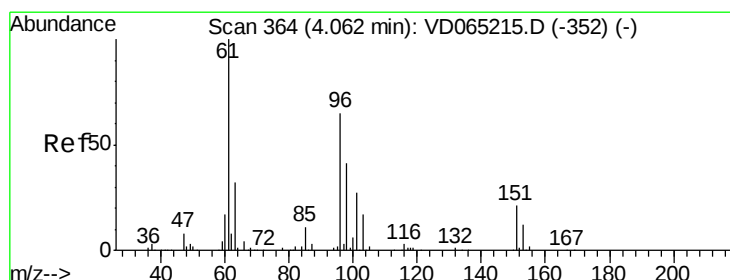
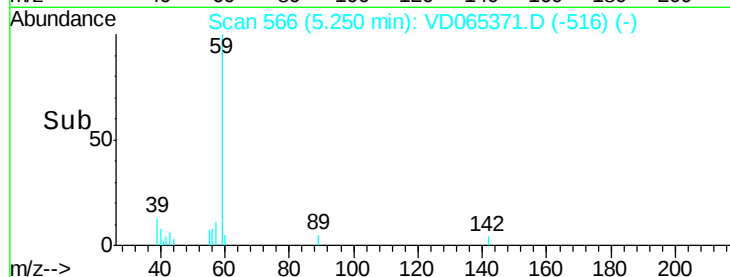
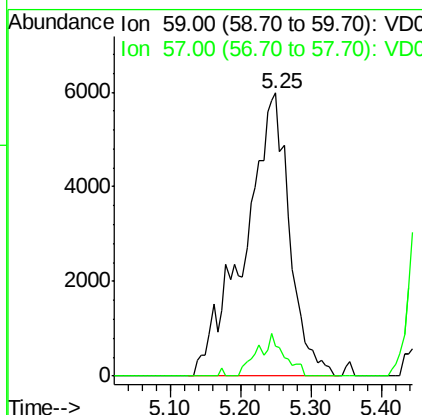
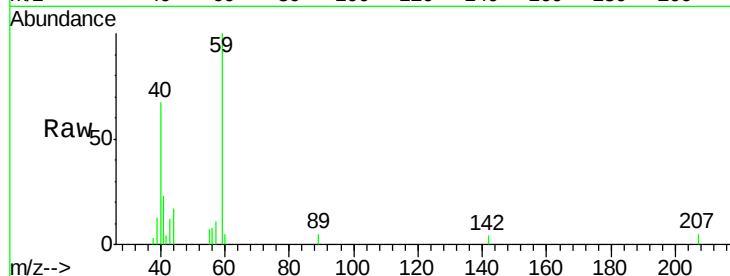
Tert butyl alcohol
Concen: 107.748 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Tot Ion	59	Resp	26469
Ion Ratio	100	Lower	Upper
57	8.8	8.4	12.6

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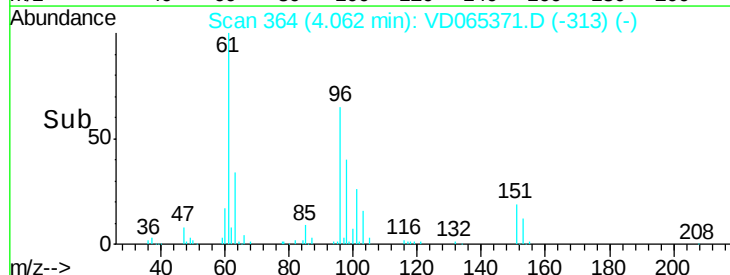
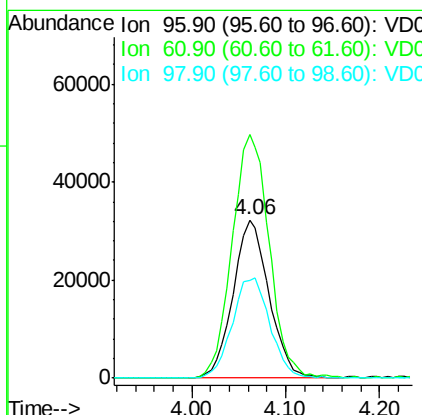
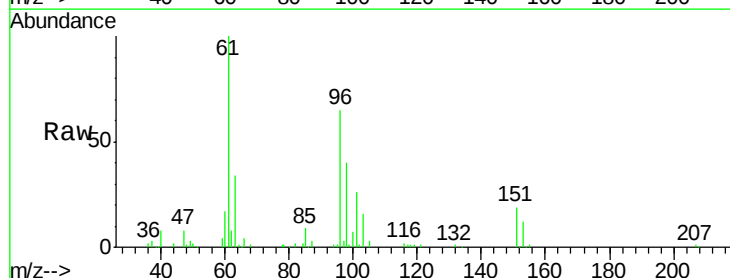
MMDadoda
3/3/2020 11:12:02 AM

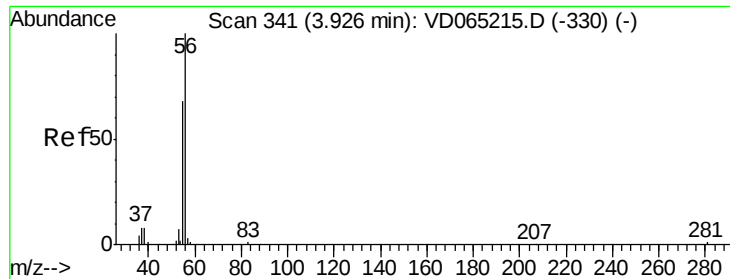


#12

1,1-Dichloroethene
Concen: 20.239 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion	96	Resp	85750
Ion Ratio	100	Lower	Upper
61	154.2	123.3	184.9
98	62.1	51.0	76.4





#13

Acrolein

Concen: 80.062 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

Tot Ion: 56 Resp: 30075

Ion Ratio Lower Upper

56 100

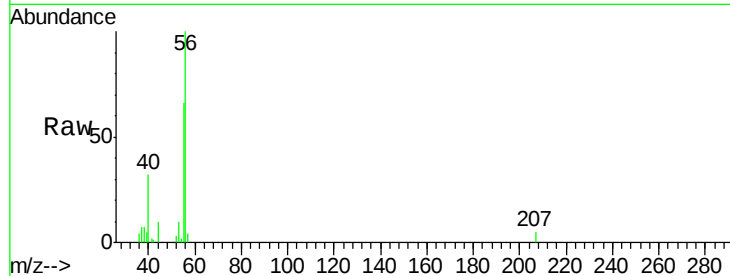
55 72.2 56.6 85.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

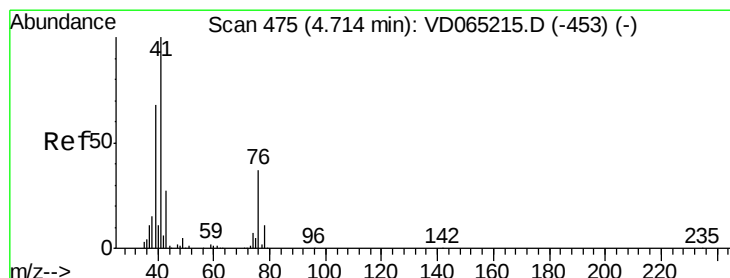
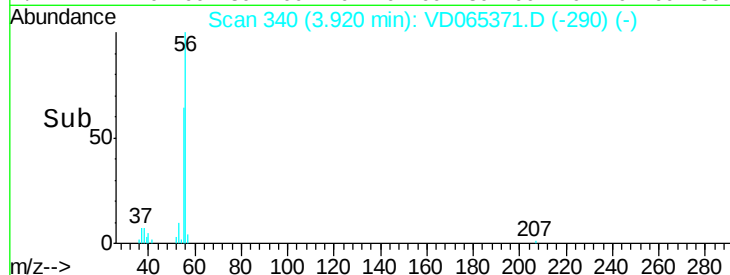
3.92

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 19.420 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

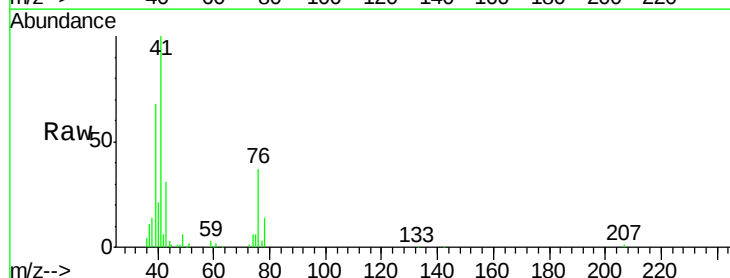
Tgt Ion: 41 Resp: 133611

Ion Ratio Lower Upper

41 100

39 65.4 53.8 80.6

76 36.8 28.7 43.1



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

50000

40000

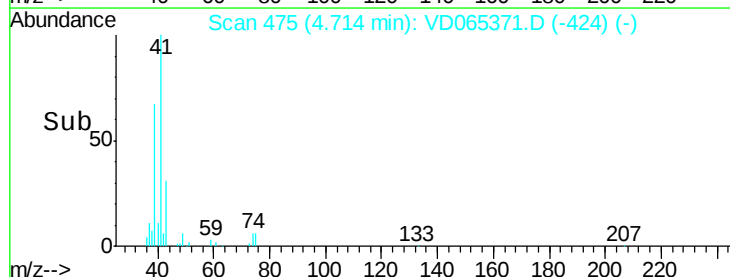
30000

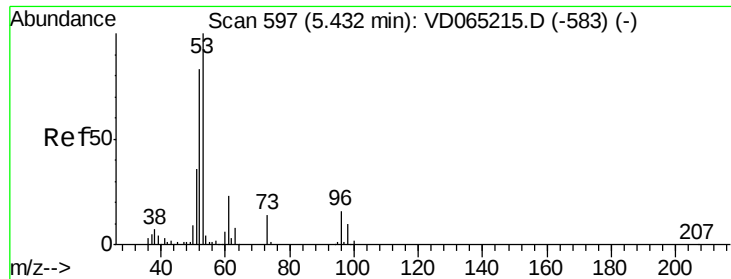
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 94.249 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

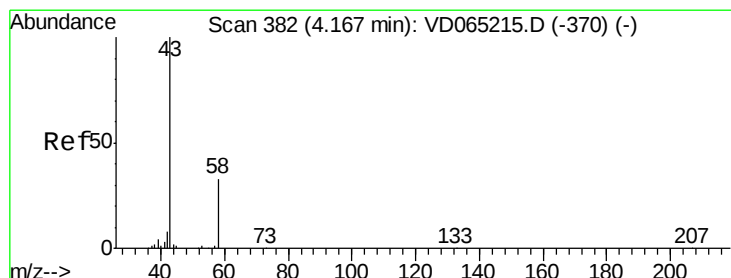
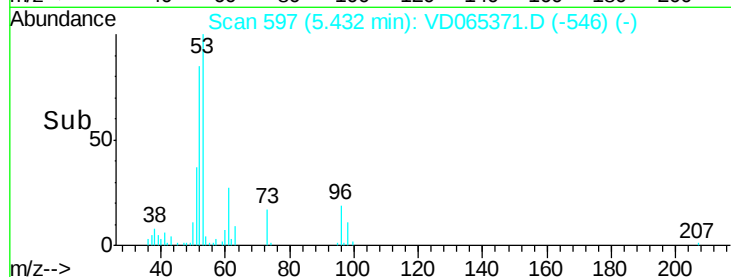
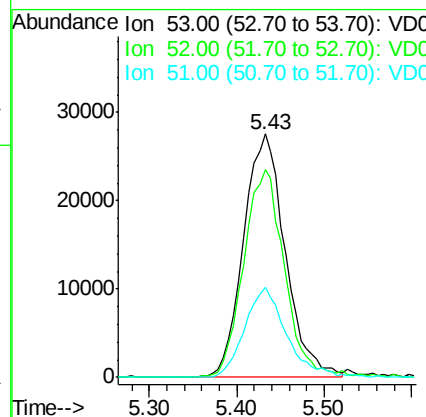
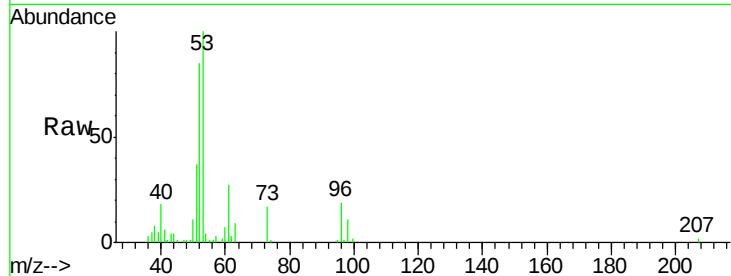
ClientSampleId :

VD0302SBS01

Tot Ion:	53	Resp:	89457
Ion Ratio	Lower	Upper	
53	100		
52	83.3	65.4	98.2
51	36.8	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 84.837 ug/l

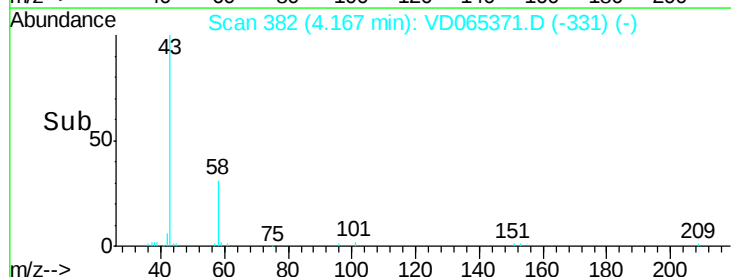
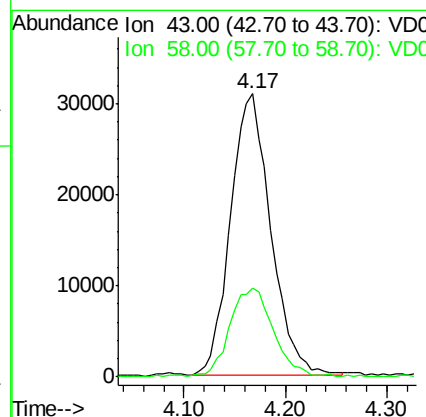
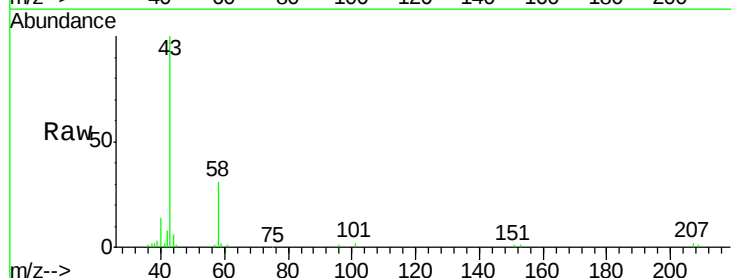
RT: 4.17 min Scan# 382

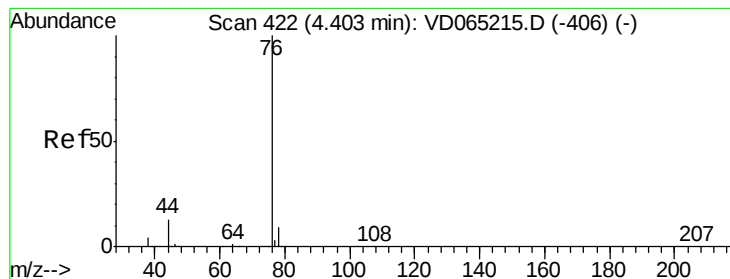
Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Tgt Ion:	43	Resp:	85255
Ion Ratio	Lower	Upper	
43	100		
58	31.4	26.2	39.2





#17

Carbon Disulfide

Concen: 19.155 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

Tot Ion: 76 Resp: 272090

Ion Ratio Lower Upper

76 100

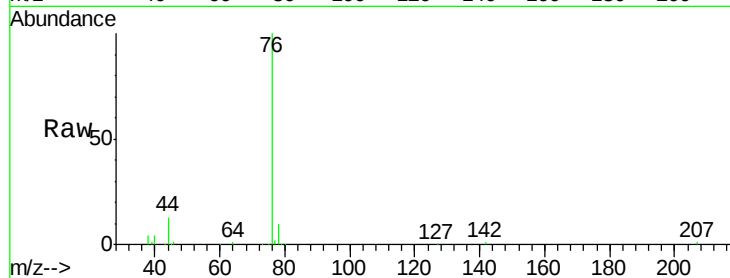
78 9.9 7.0 10.6

Manual Integrations

APPROVED

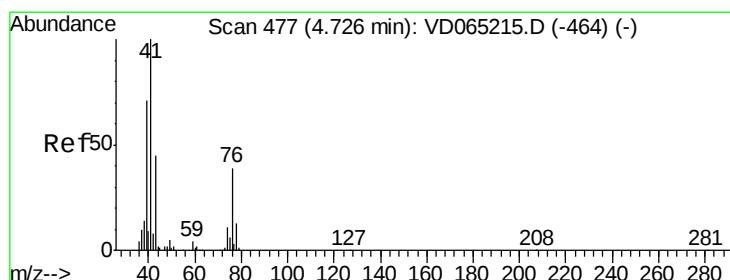
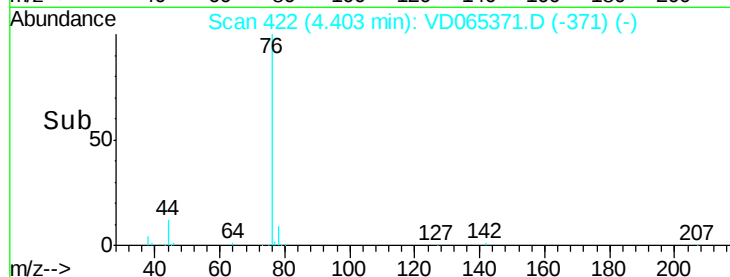
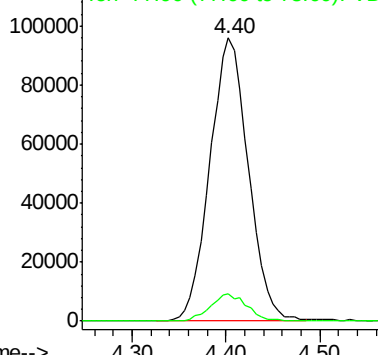
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 20.956 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065371.D

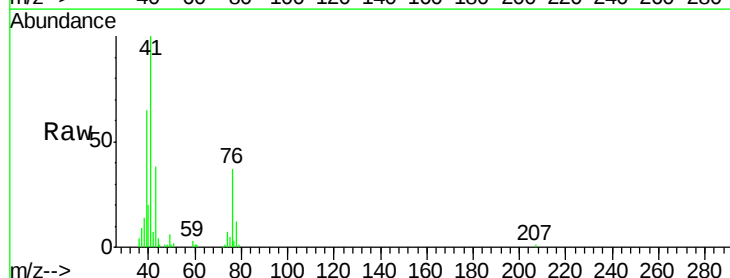
Acq: 02 Mar 2020 11:19

Tgt Ion: 43 Resp: 47363

Ion Ratio Lower Upper

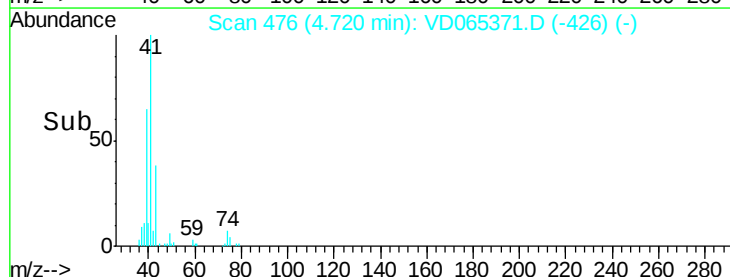
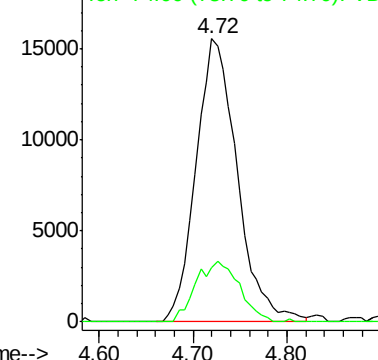
43 100

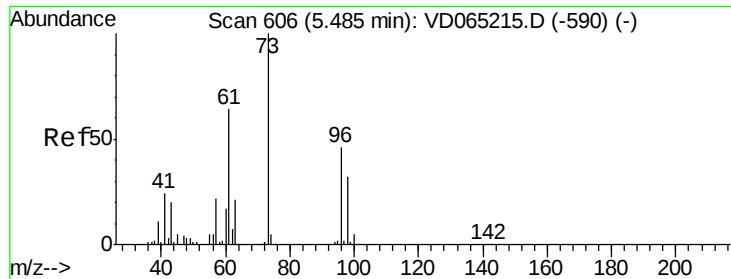
74 22.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





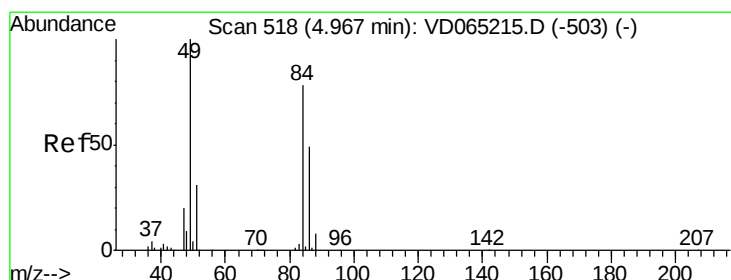
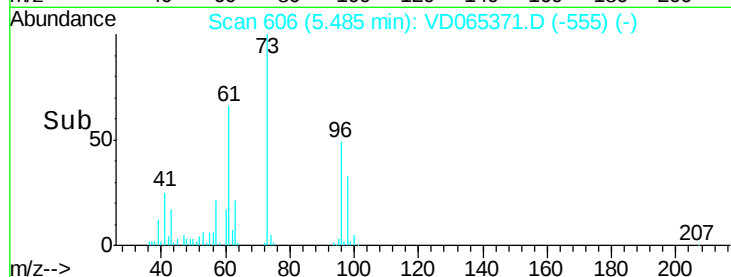
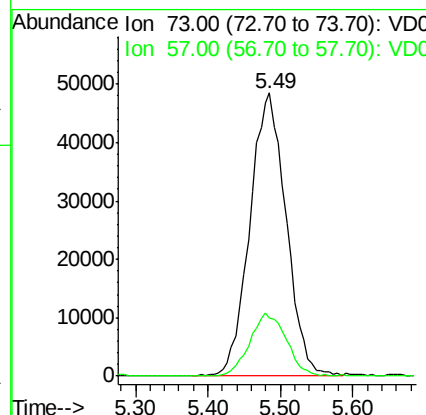
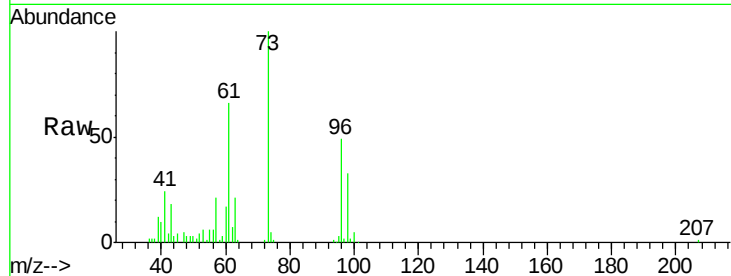
#19
Methvl tert-butvl Ether
Concen: 19.074 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Tot Ion: 73 Resp: 168520
Ion Ratio Lower Upper
73 100
57 20.7 17.3 25.9

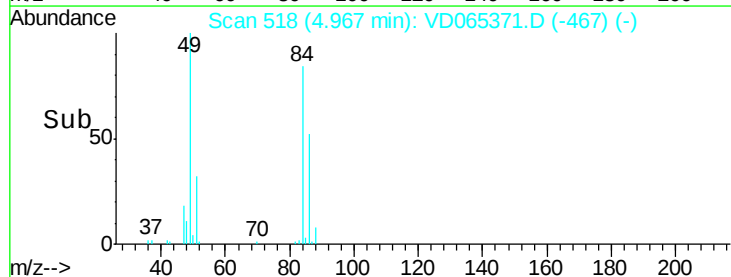
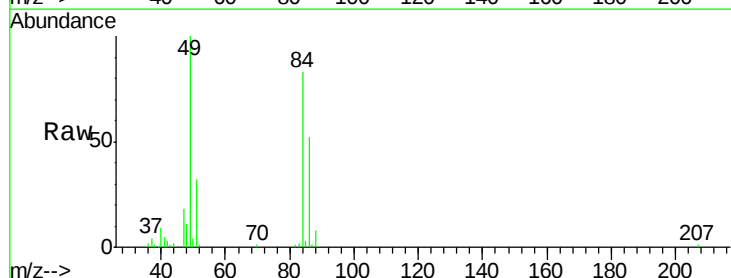
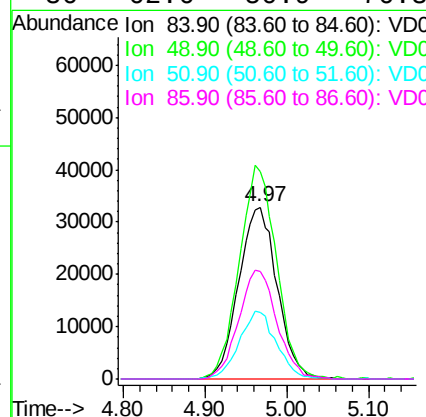
Manual Integrations
APPROVED

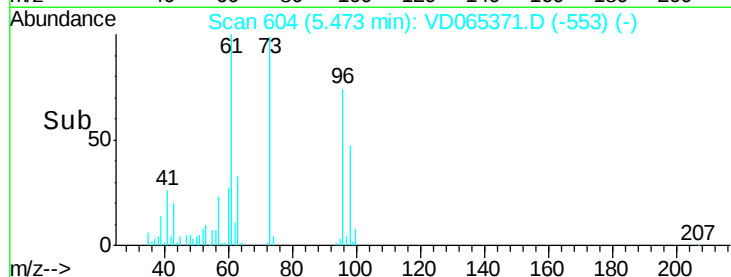
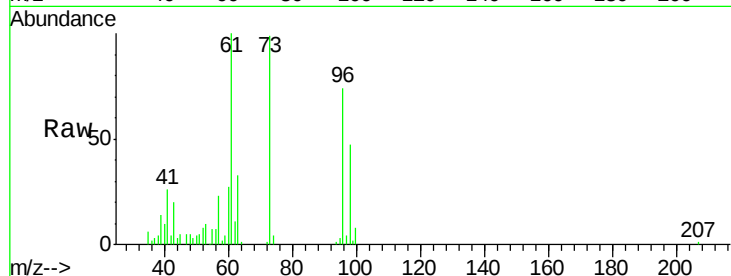
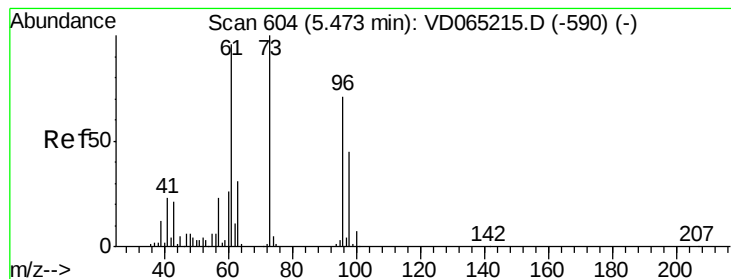
MMDadoda
3/3/2020 11:12:02 AM



#20
Methylene Chloride
Concen: 21.319 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion: 84 Resp: 107204
Ion Ratio Lower Upper
84 100
49 120.2 103.1 154.7
51 38.5 31.7 47.5
86 62.6 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 20.289 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Tot Ion:	96	Resp:	97722
Ion	Ratio	Lower	Upper
96	100		
61	134.5	108.3	162.5
98	63.8	50.7	76.1

Instrument :

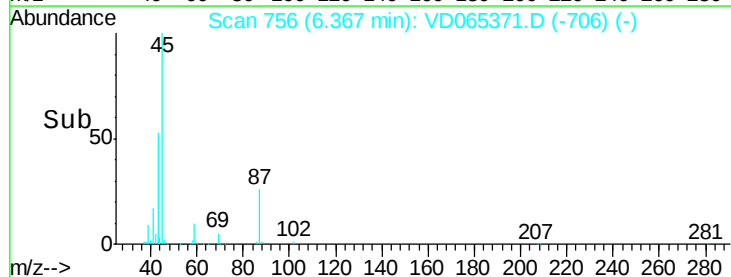
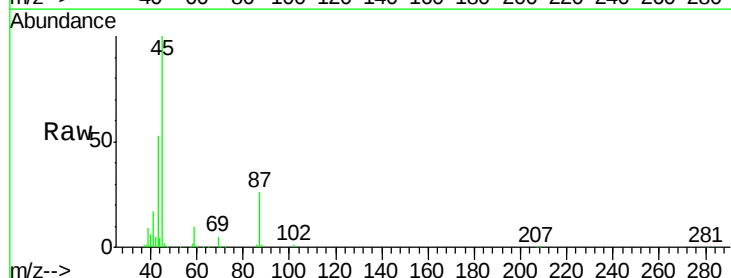
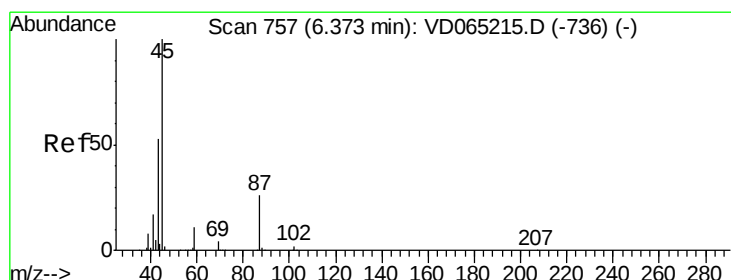
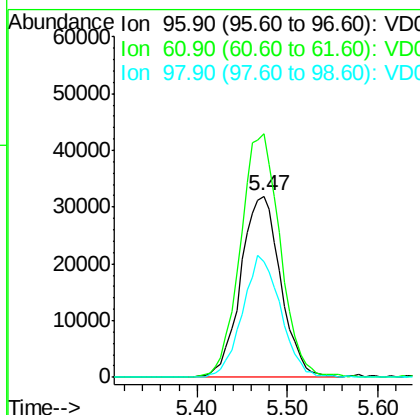
MSVOA_D

ClientSampleId :

VD0302SBS01

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.340 ug/l

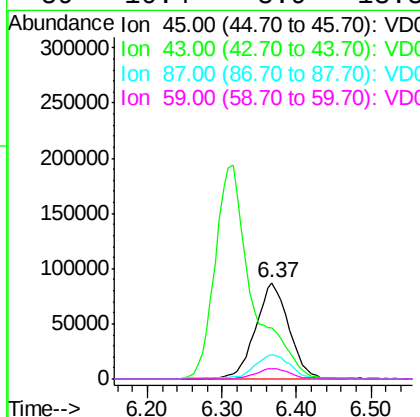
RT: 6.37 min Scan# 756

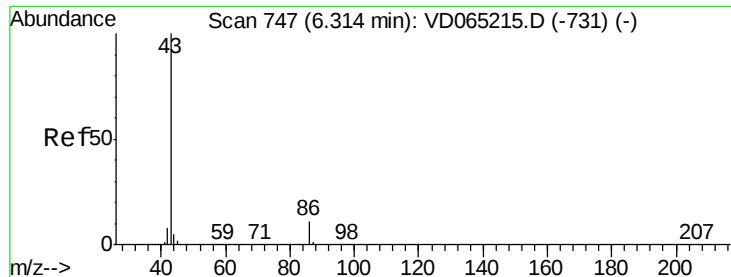
Delta R.T. -0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Tgt Ion:	45	Resp:	269784
Ion	Ratio	Lower	Upper
45	100		
43	52.4	42.6	64.0
87	25.5	21.2	31.8
59	10.4	8.9	13.3





#23

Vinyl Acetate

Concen: 91.381 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

Tot Ion: 43 Resp: 668187

Ion Ratio Lower Upper

43 100

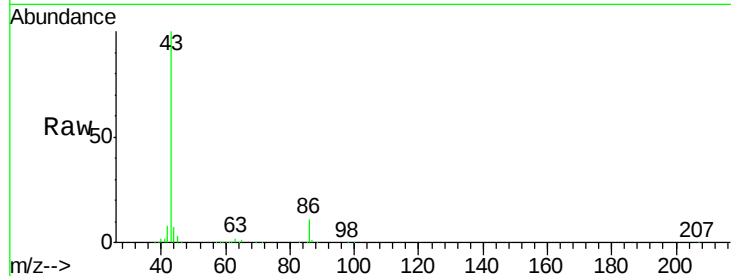
86 11.1 8.6 12.8

Manual Integrations

APPROVED

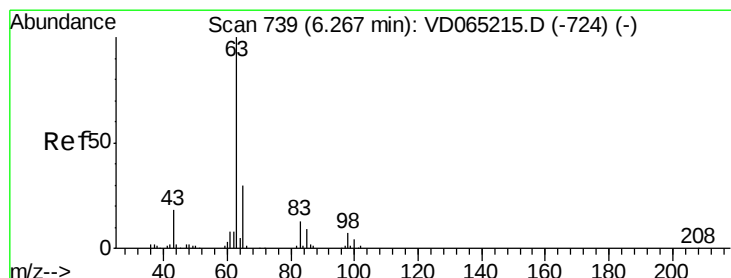
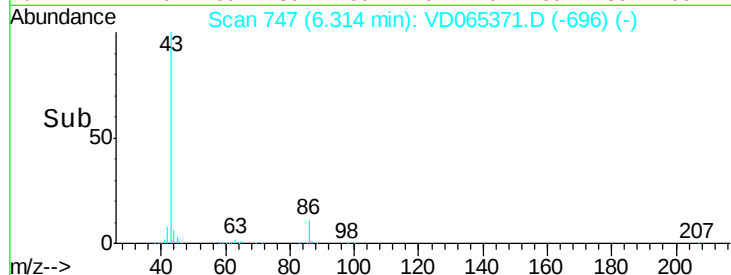
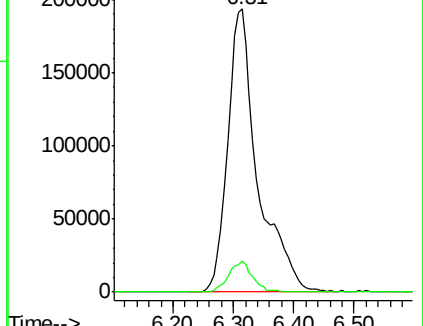
MMDadoda

3/3/2020 11:12:02 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.573 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

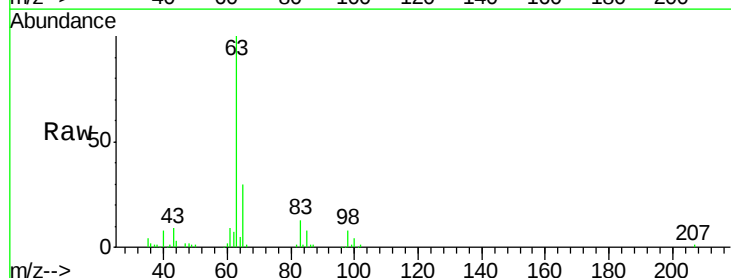
Tgt Ion: 63 Resp: 169248

Ion Ratio Lower Upper

63 100

98 8.2 3.4 10.1

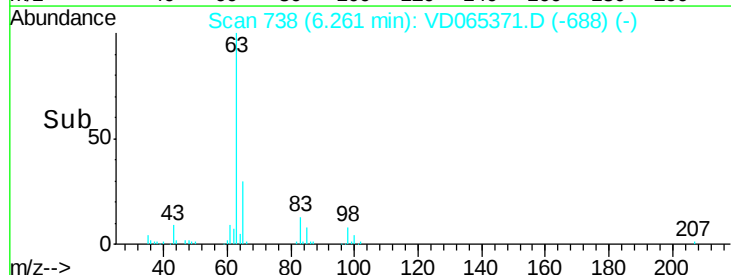
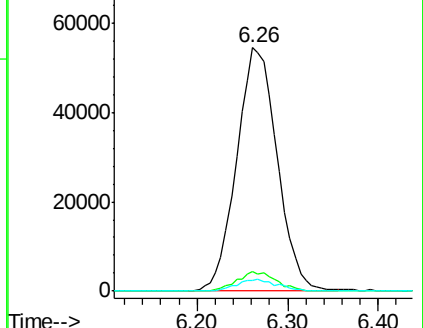
100 4.4 2.3 6.8

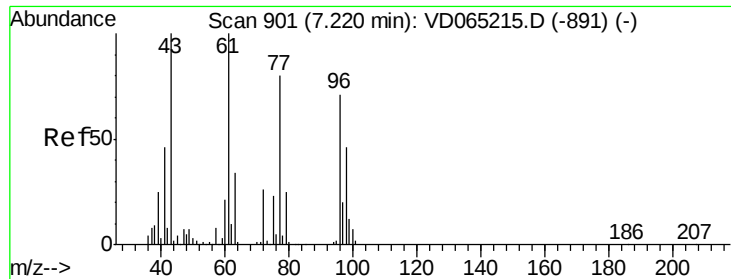


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 87.137 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

Tot Ion: 43 Resp: 110790

Ion Ratio Lower Upper

43 100

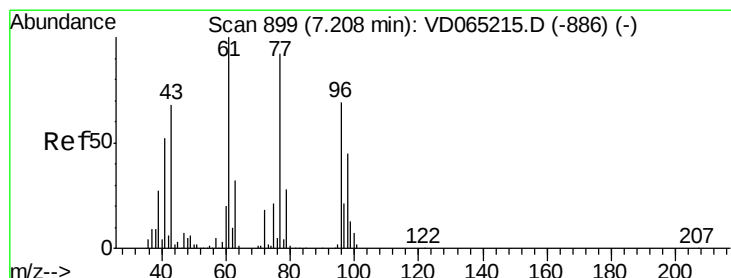
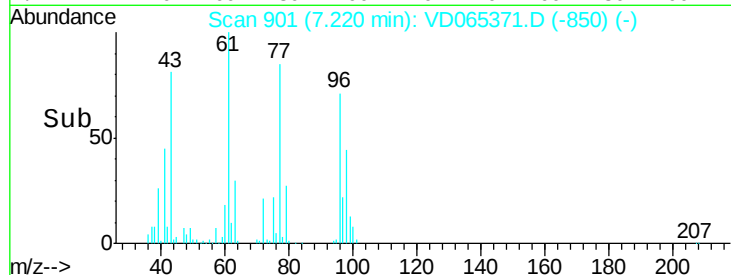
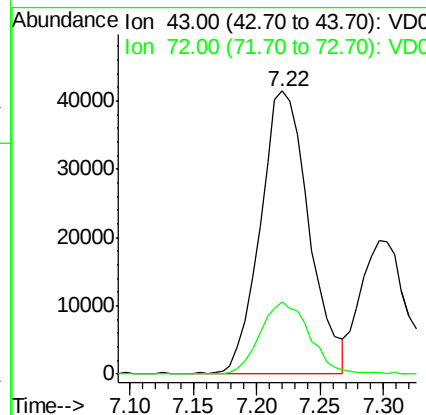
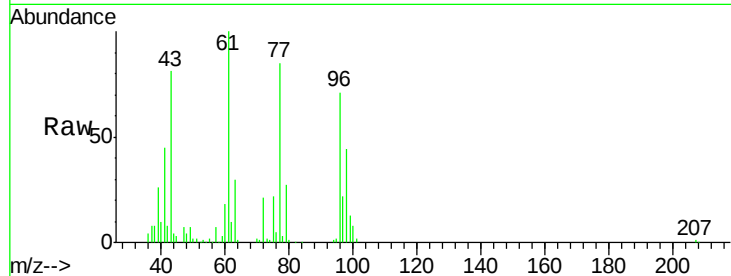
72 25.6 20.9 31.3

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#26

2,2-Dichloropropane

Concen: 20.247 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065371.D

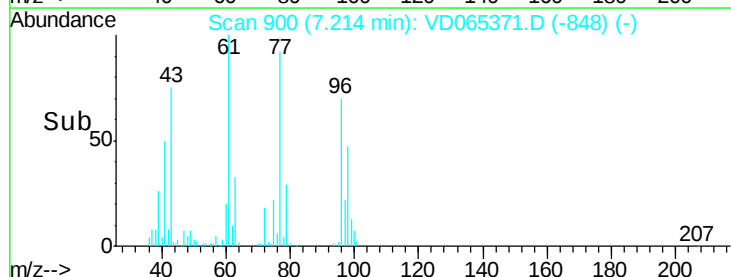
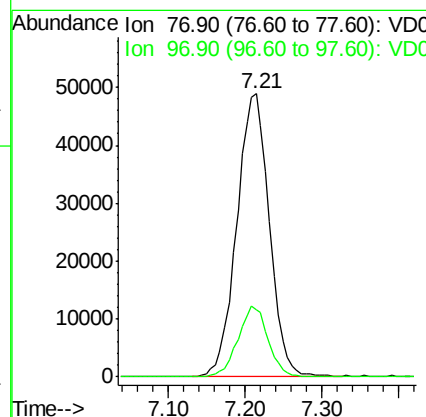
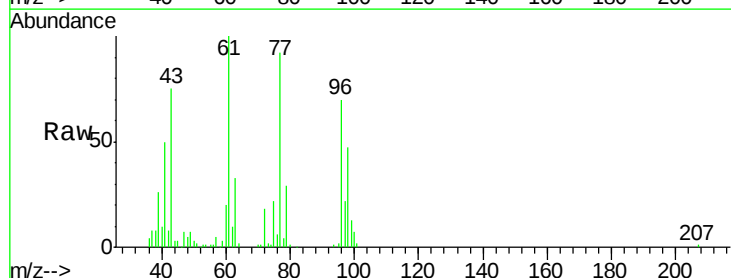
Acq: 02 Mar 2020 11:19

Tgt Ion: 77 Resp: 144525

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.1





#27

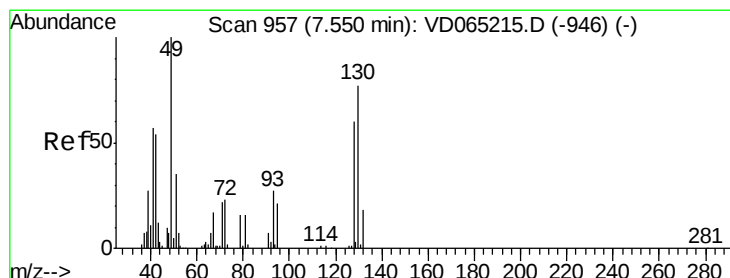
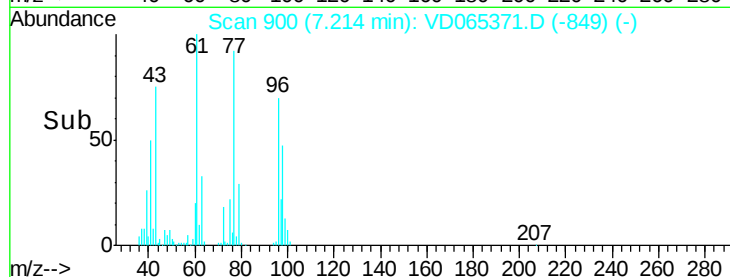
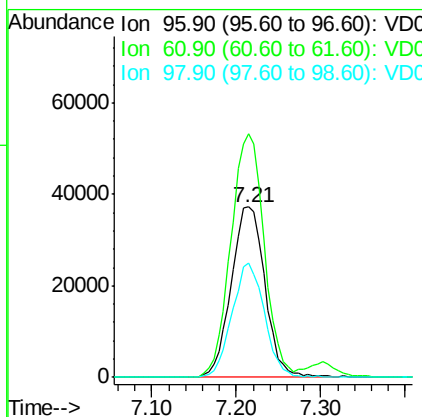
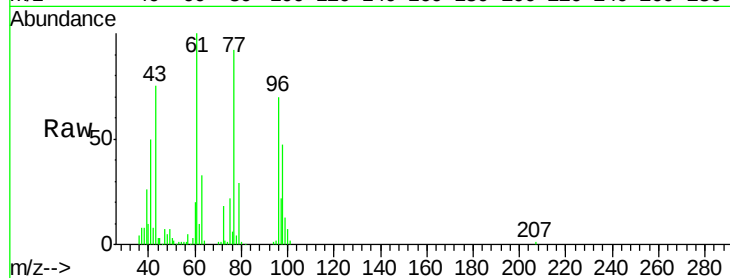
cis-1,2-Dichloroethene
Concen: 20.163 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.4	0.0	286.0	
98	64.5	0.0	127.8	

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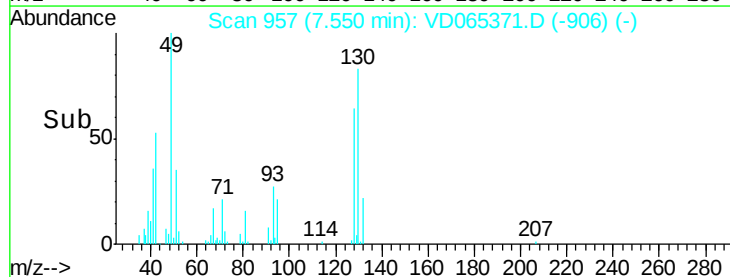
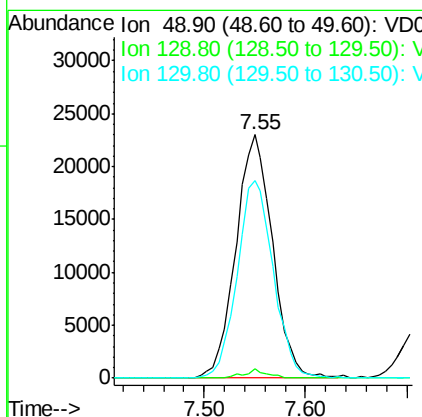
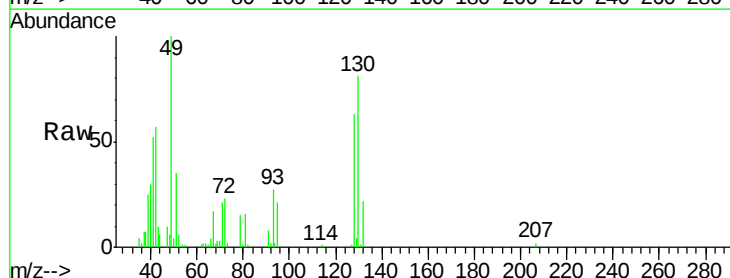
MMDadoda
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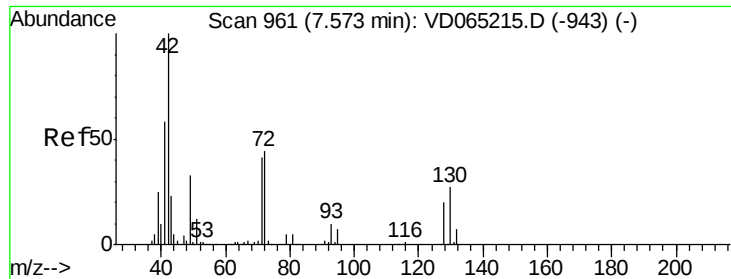


#28

Bromochloromethane
Concen: 18.878 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.6	
130	80.1	64.7	97.1	





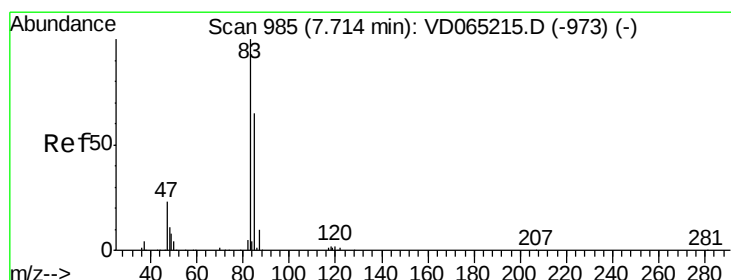
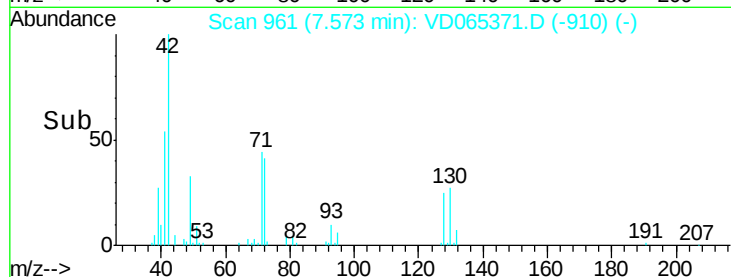
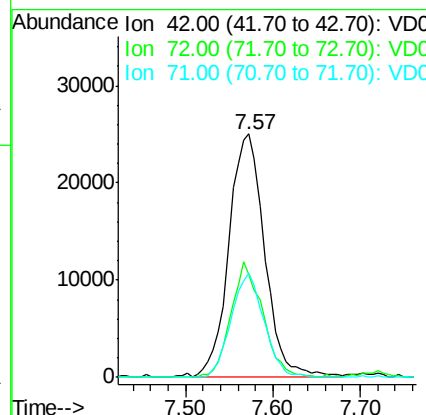
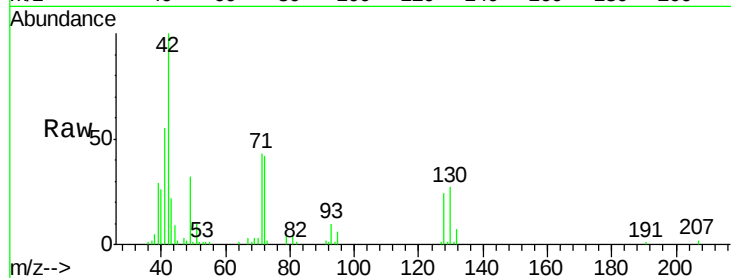
#29
Tetrahydrofuran
Concen: 93.680 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.7	50.5
71	39.3	31.4	47.2

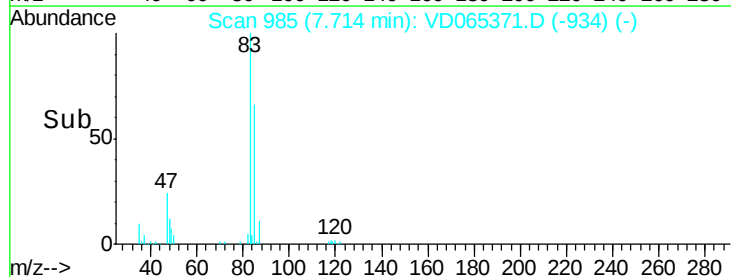
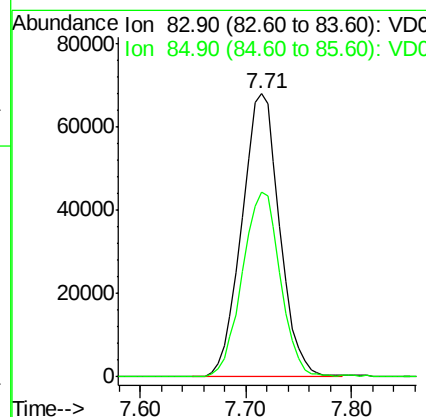
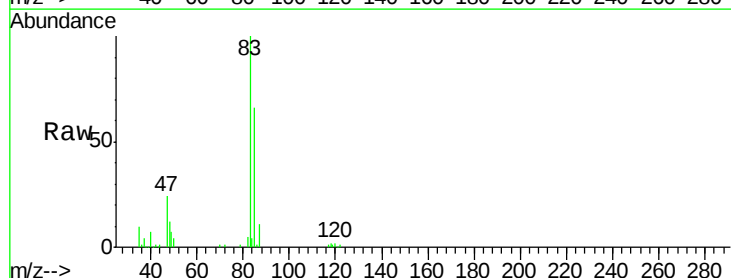
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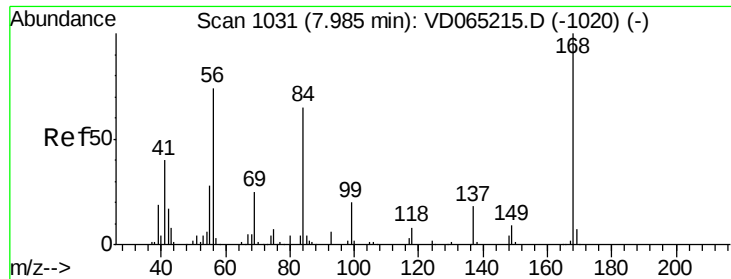
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#30
Chloroform
Concen: 20.354 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.3	78.5





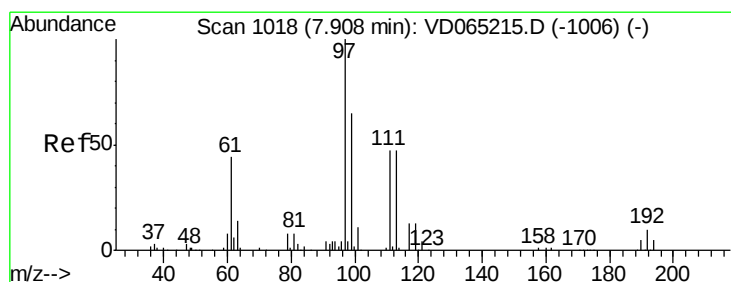
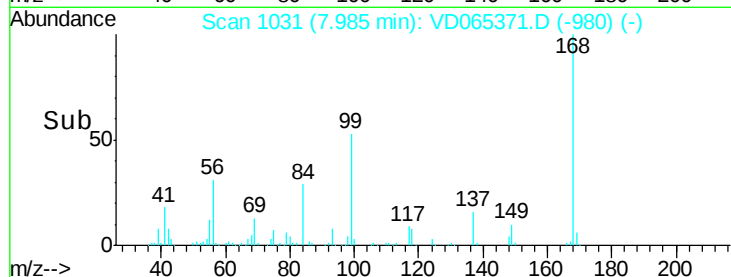
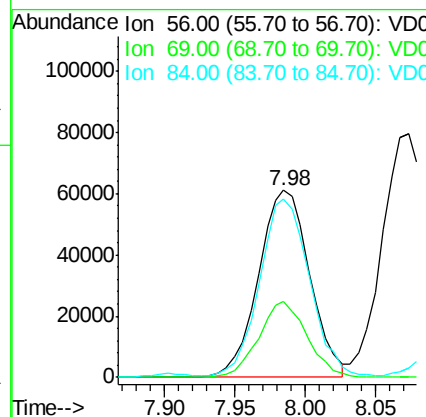
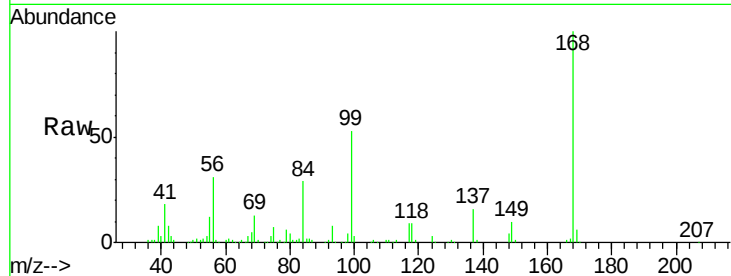
#31
Cyclohexane
Concen: 19.178 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.9	27.4	41.0
84	94.0	71.1	106.7

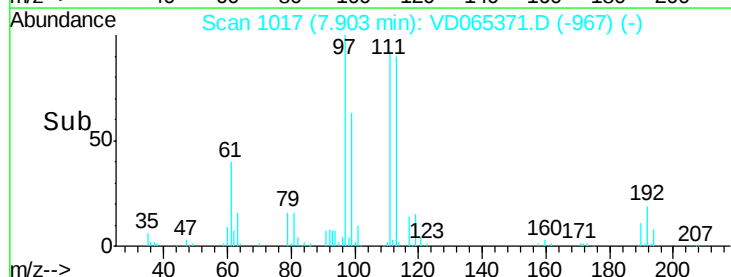
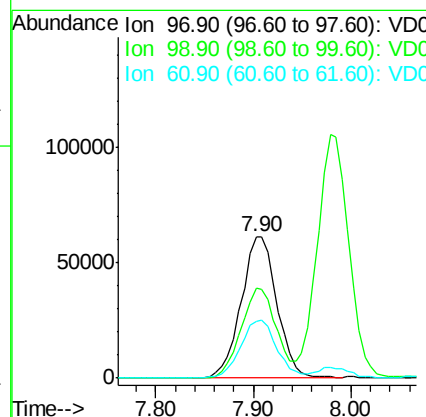
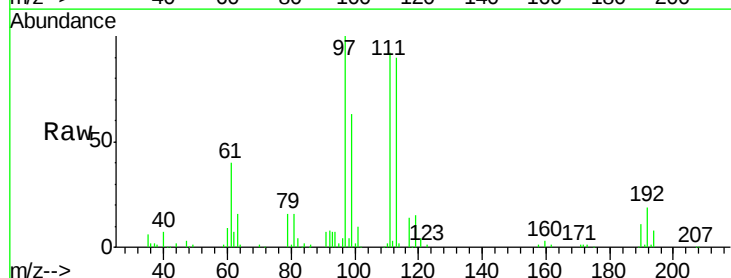
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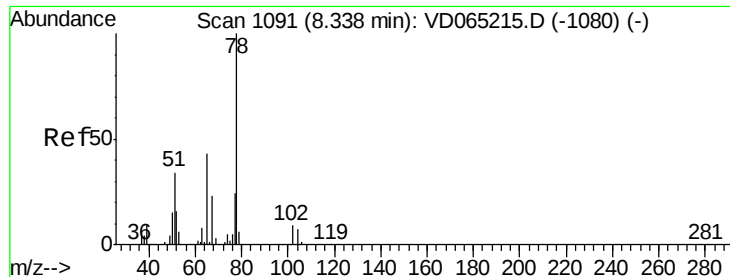
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#32
1,1,1-Trichloroethane
Concen: 21.093 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.2
61	41.8	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 50.488 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

Tot Ion: 65 Resp: 207556

Ion Ratio Lower Upper

65 100

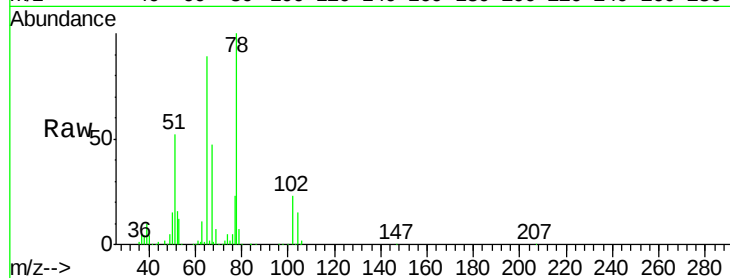
67 53.7 0.0 106.8

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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

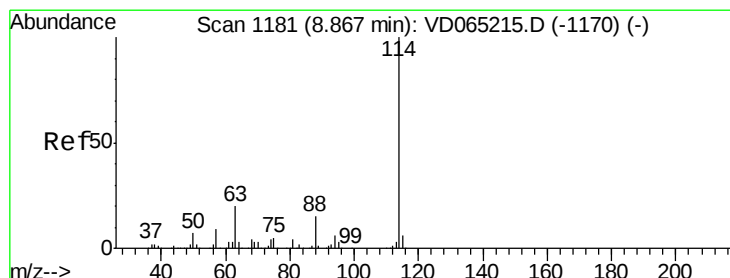
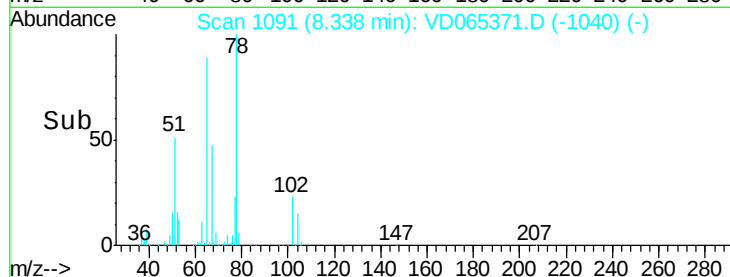
60000

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: VD065371.D

Acq: 02 Mar 2020 11:19

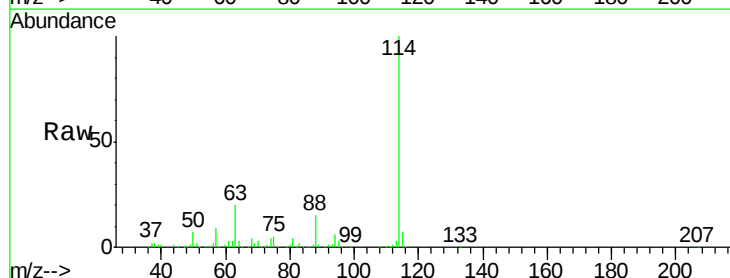
Tgt Ion: 114 Resp: 671555

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.4

88 15.1 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

400000

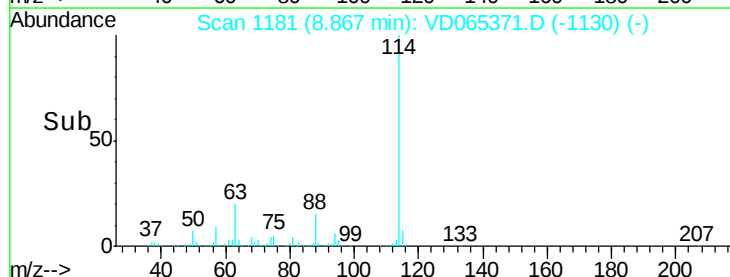
300000

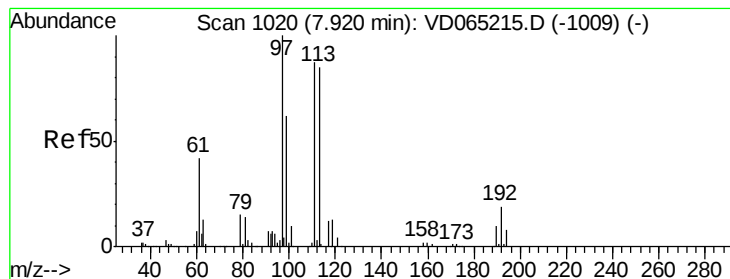
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 55.074 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

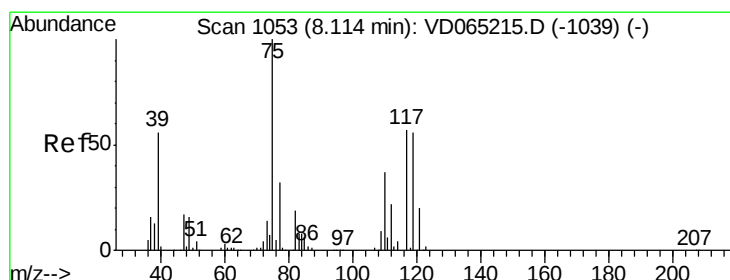
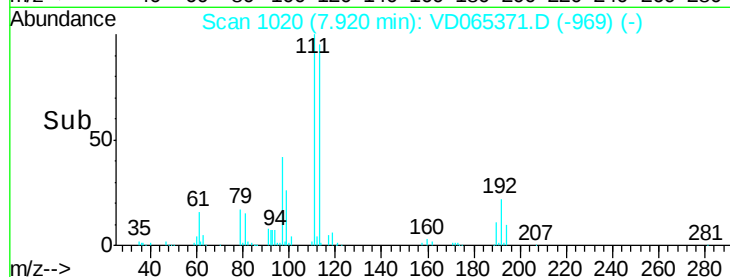
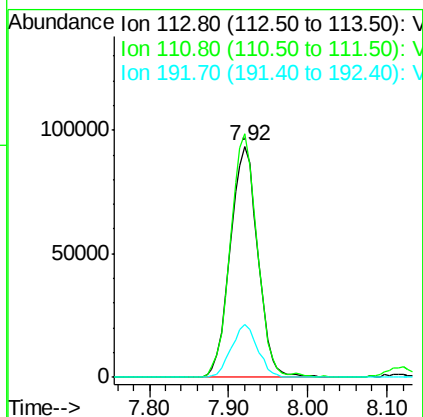
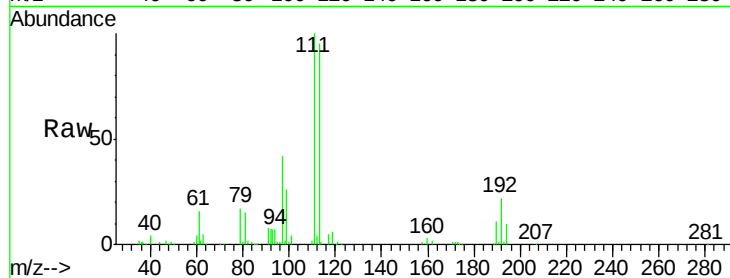
ClientSampleId :

VD0302SBS01

Tot Ion:	113	Resp:	225513
Ion Ratio	Lower	Upper	
113	100		
111	102.0	82.9	124.3
192	21.9	17.3	25.9

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#36

1,1-Dichloropropene

Concen: 20.878 ug/l

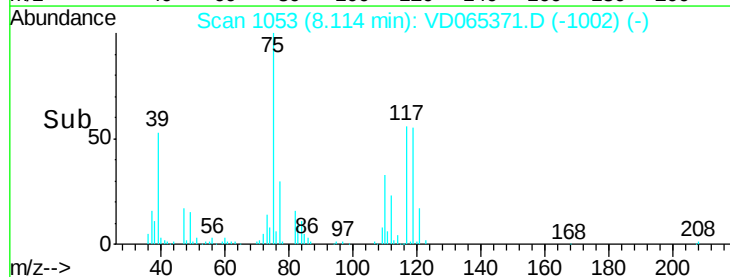
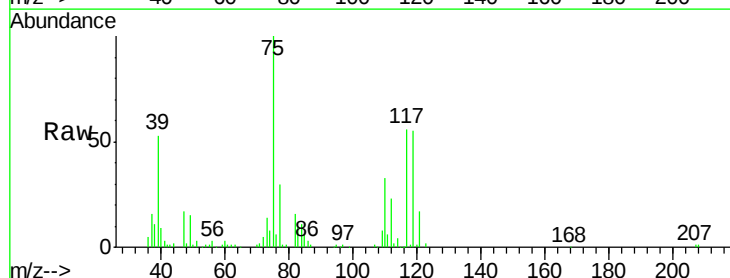
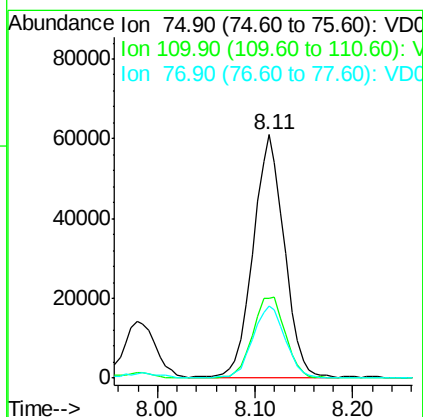
RT: 8.11 min Scan# 1053

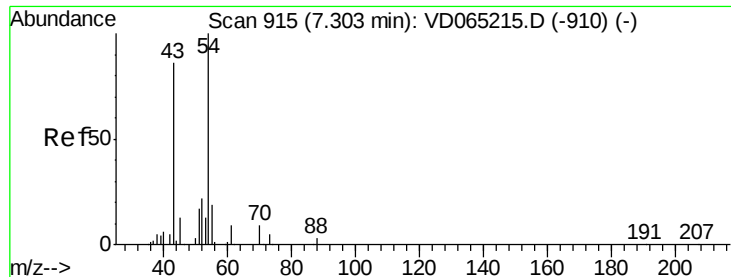
Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Tgt Ion:	75	Resp:	136426
Ion Ratio	Lower	Upper	
75	100		
110	35.0	17.9	53.7
77	31.1	25.1	37.7





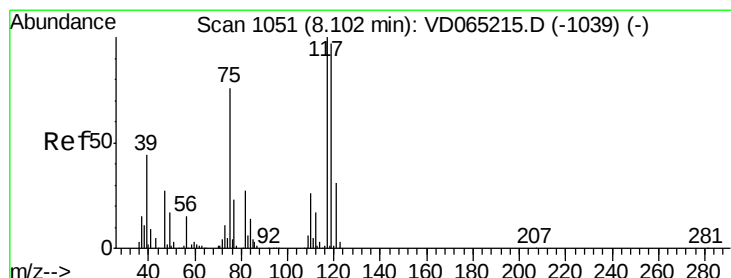
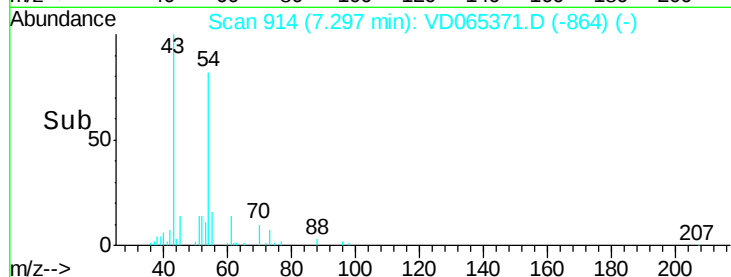
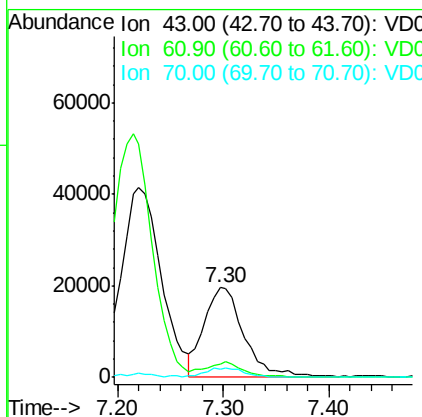
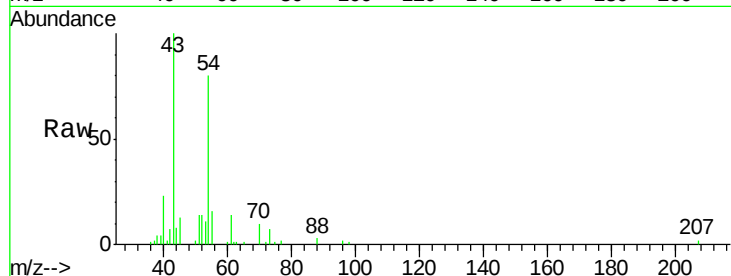
#37
Ethyl Acetate
Concen: 18.574 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.2	16.8
70	10.2	8.2	12.2

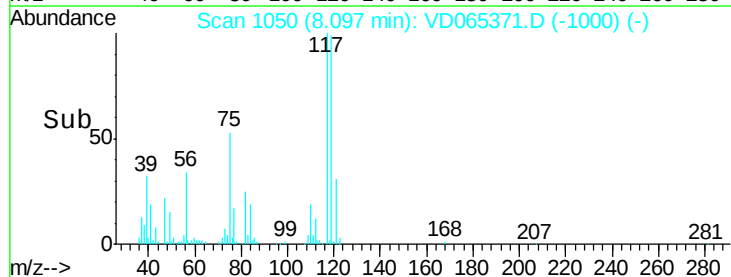
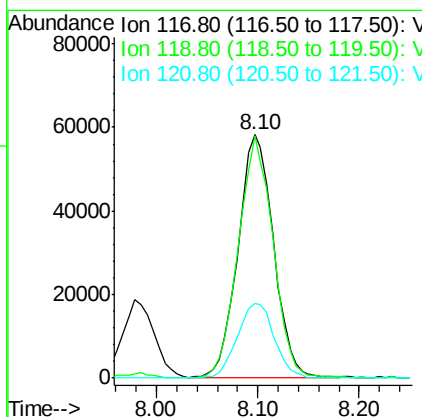
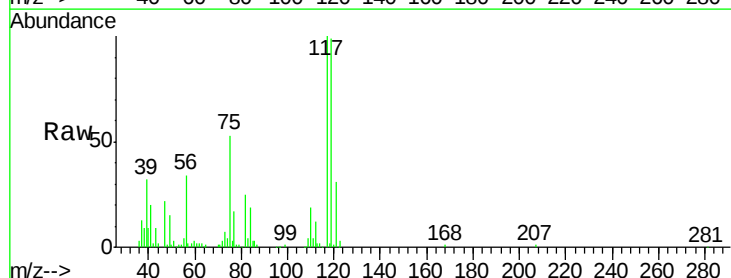
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#38
Carbon Tetrachloride
Concen: 21.390 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.4	77.6	116.4
121	30.6	24.8	37.2





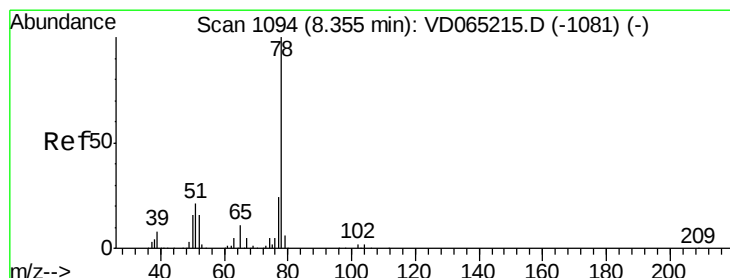
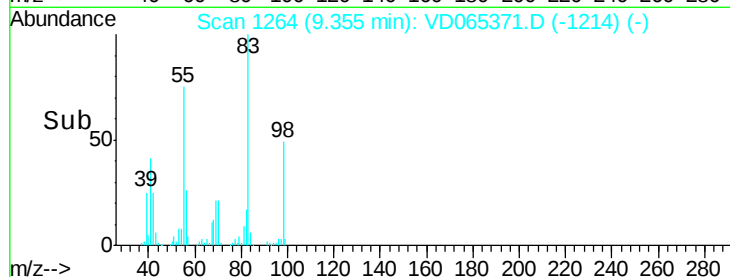
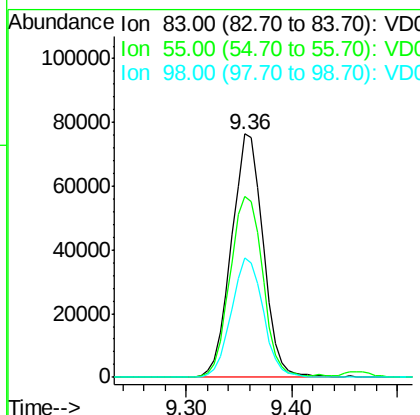
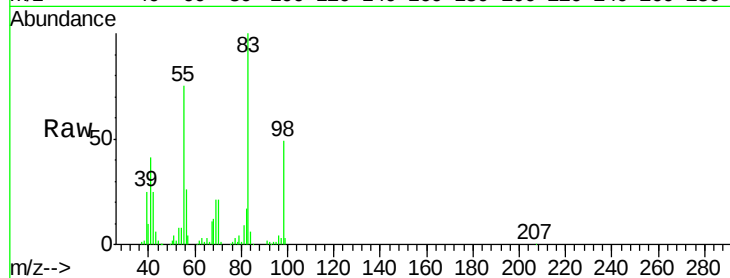
#39
Methvlcvclohexane
Concen: 20.679 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.5	61.8	92.6
98	49.1	39.4	59.0

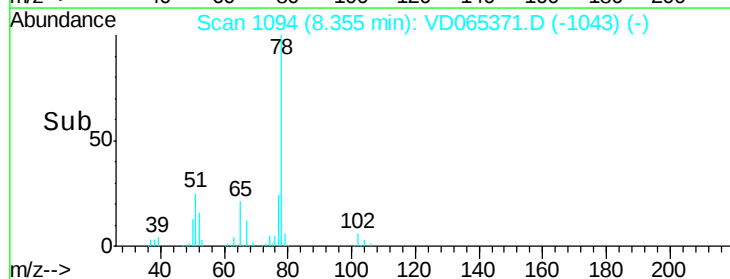
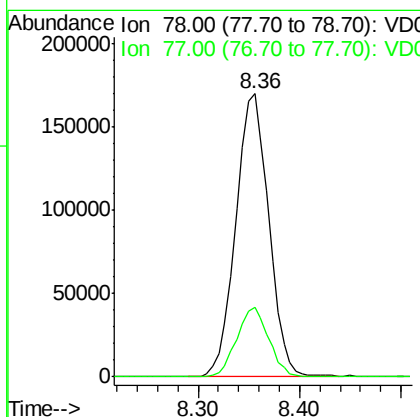
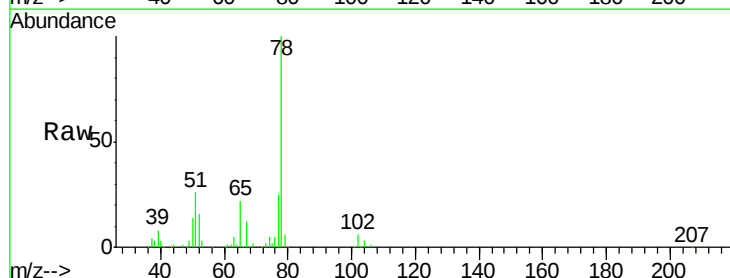
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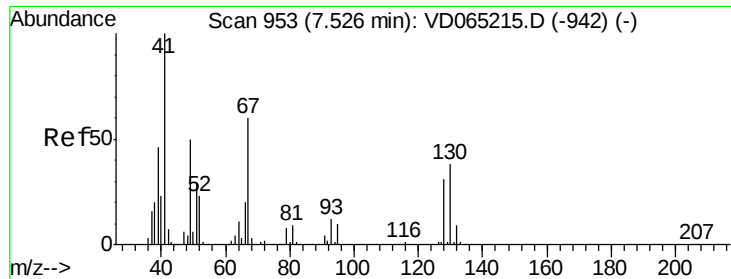
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#40
Benzene
Concen: 20.933 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.0	28.6





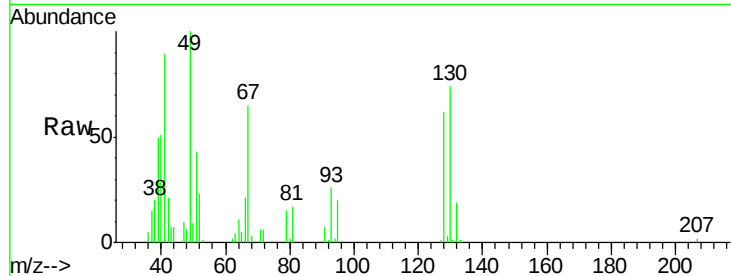
#41
Methacrylonitrile
Concen: 17.225 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

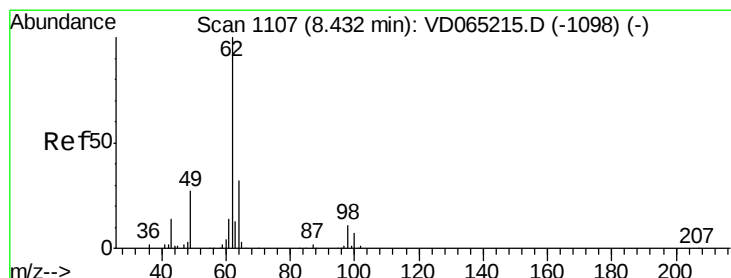
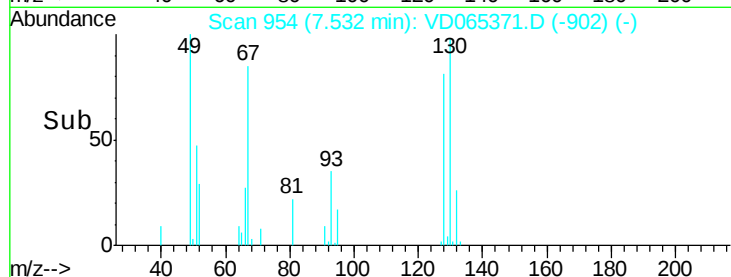
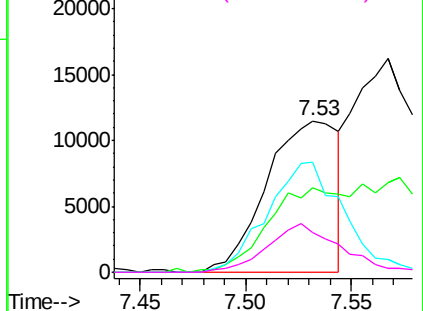
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		27167		
39	62.0	48.1	72.1		
67	77.2	58.9	88.3		
52	33.5	24.2	36.2		

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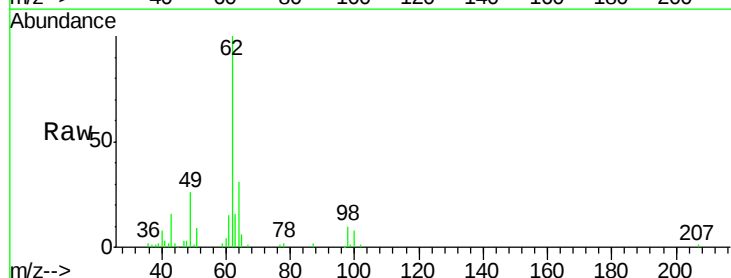


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

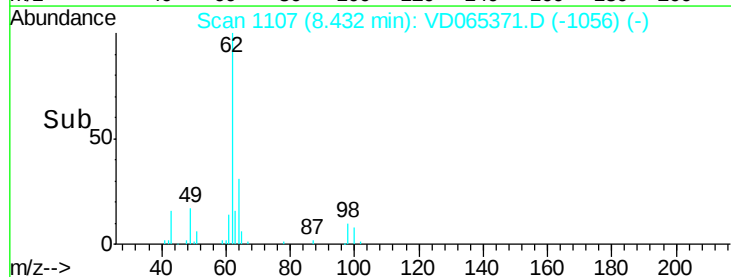
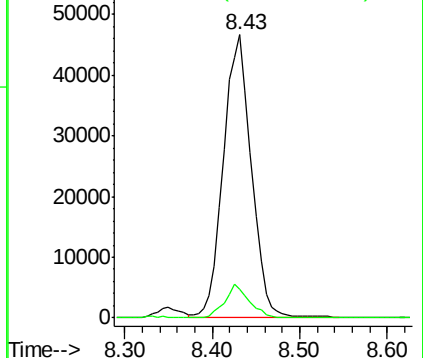


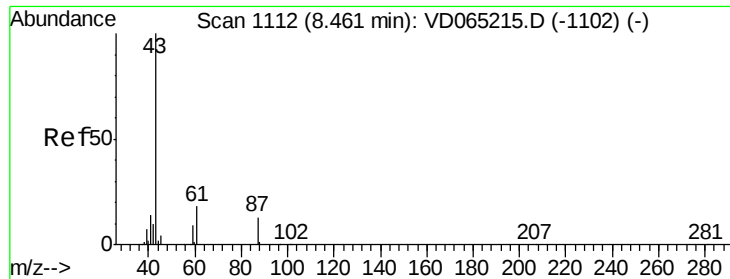
#42
1,2-Dichloroethane
Concen: 20.263 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		102744		
98	10.3	0.0	20.6		



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 18.254 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

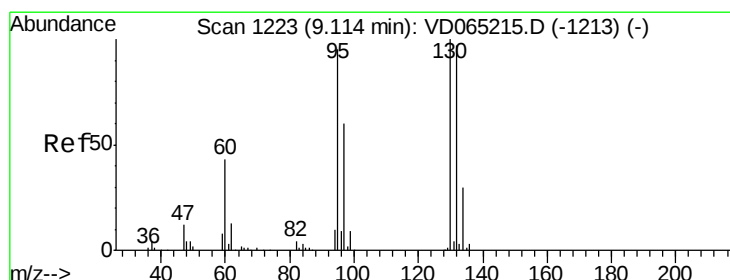
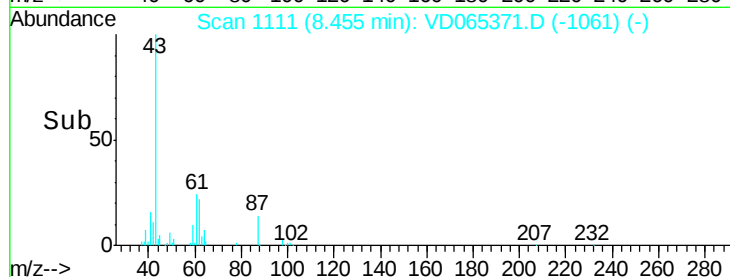
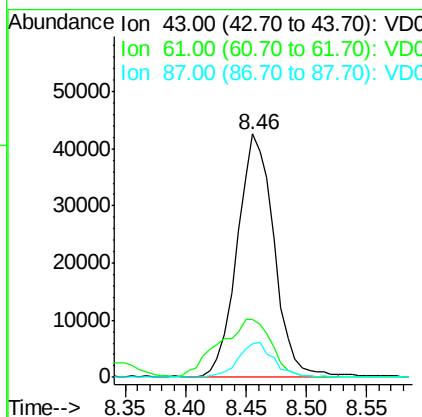
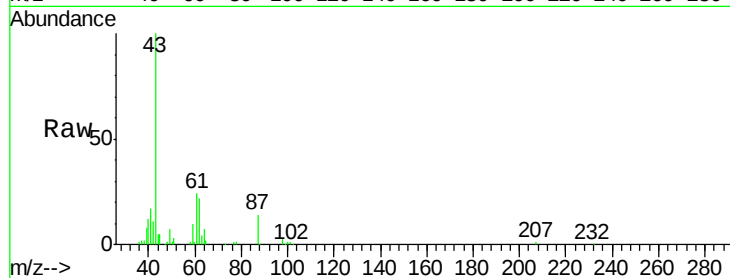
ClientSampleId :

VD0302SBS01

Tot Ion:	43	Resp:	90677
Ion	Ratio	Lower	Upper
43	100		
61	33.6	24.6	36.8
87	13.8	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 21.134 ug/l

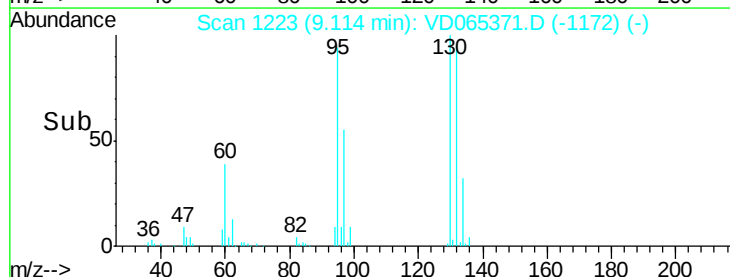
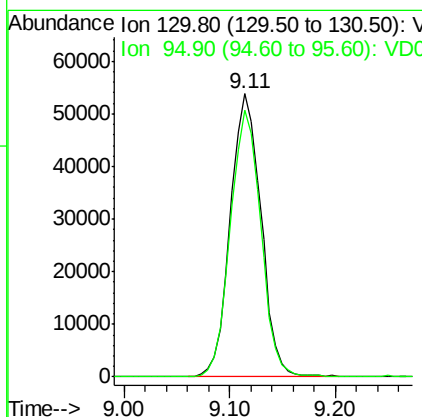
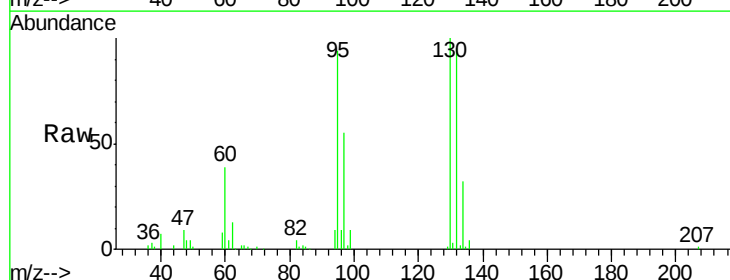
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Tgt Ion:	130	Resp:	108050
Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	190.6





#45

1,2-Dichloropropane

Concen: 21.130 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

Tot Ion: 63 Resp: 96907

Ion Ratio Lower Upper

63 100

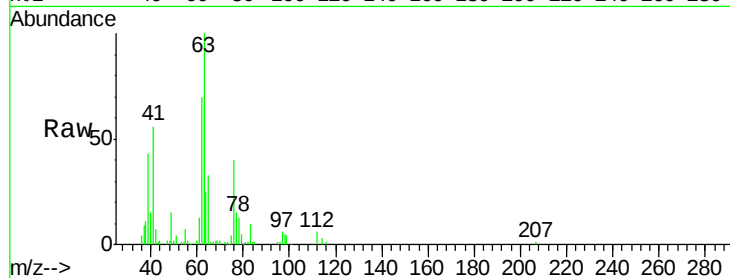
65 32.8 24.9 37.3

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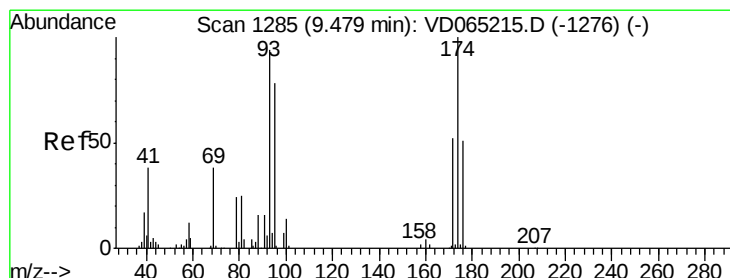
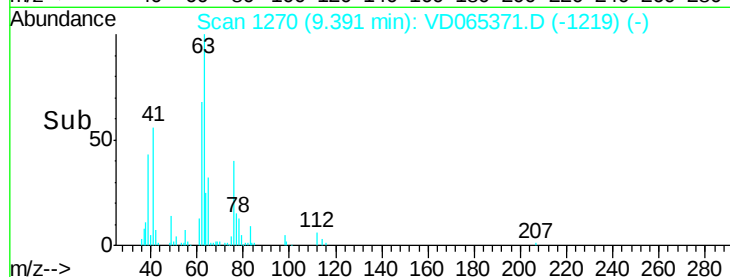
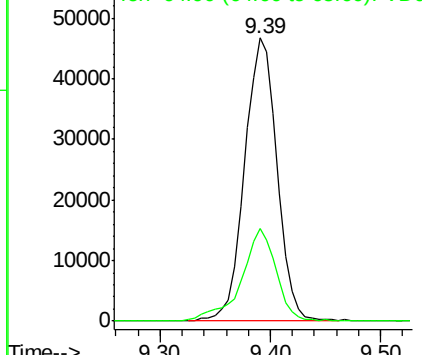
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.359 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

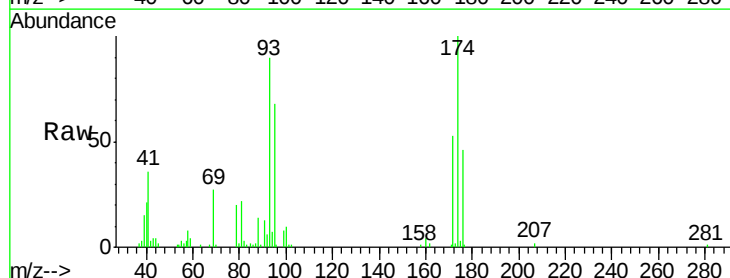
Tgt Ion: 93 Resp: 48041

Ion Ratio Lower Upper

93 100

95 83.3 65.8 98.6

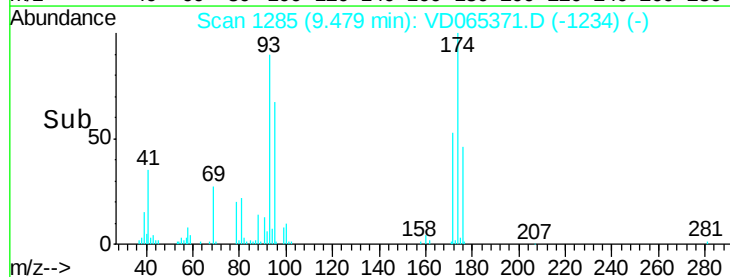
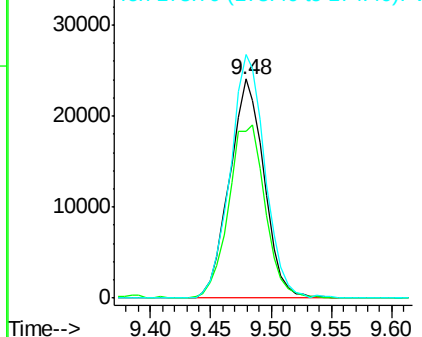
174 110.9 86.8 130.2

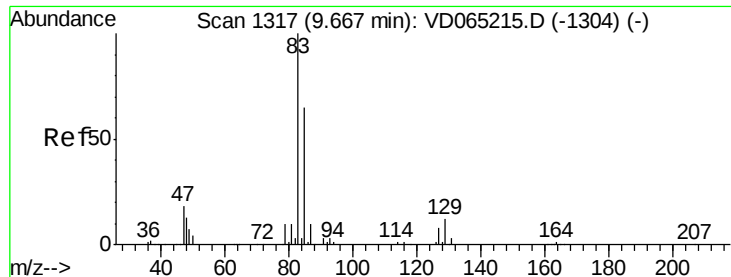


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 20.482 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

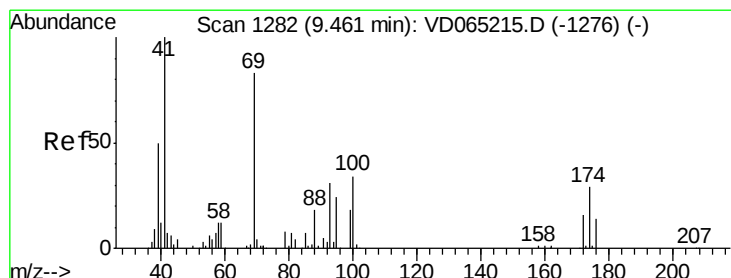
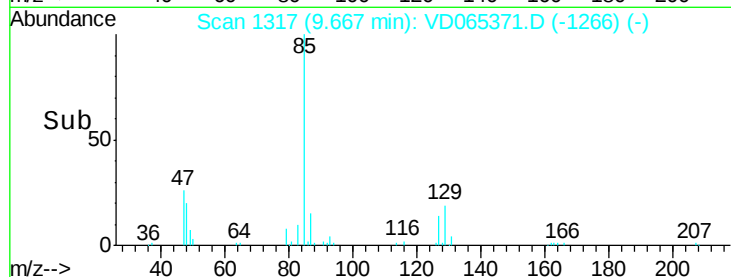
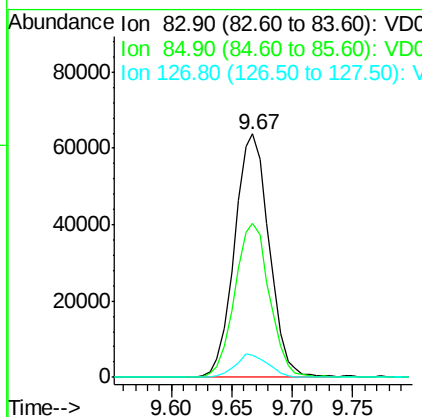
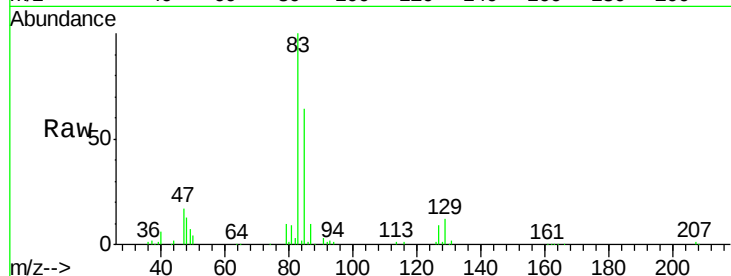
ClientSampleId :

VD0302SBS01

Tot Ion:	83	Resp:	127371
Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.0	78.0
127	9.0	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.426 ug/l

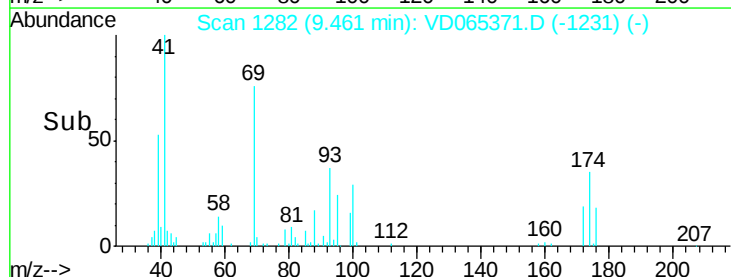
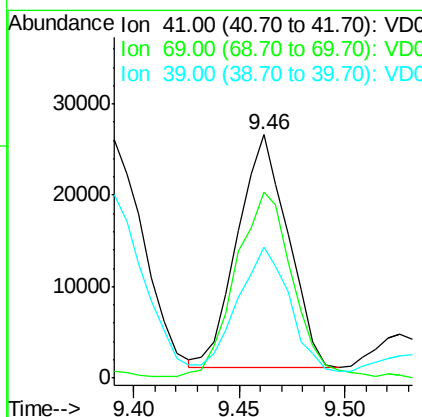
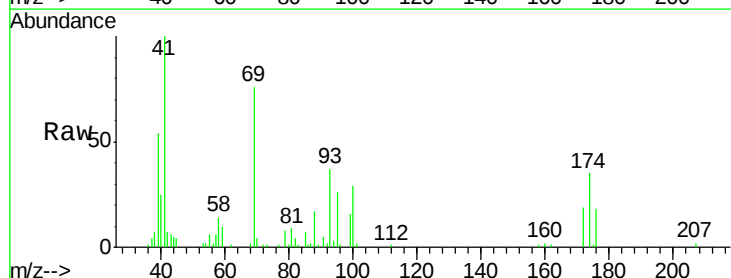
RT: 9.46 min Scan# 1282

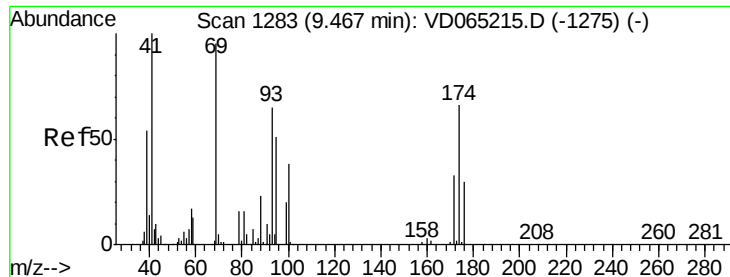
Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Tgt Ion:	41	Resp:	42307
Ion	Ratio	Lower	Upper
41	100		
69	91.8	68.2	102.2
39	54.0	42.0	63.0





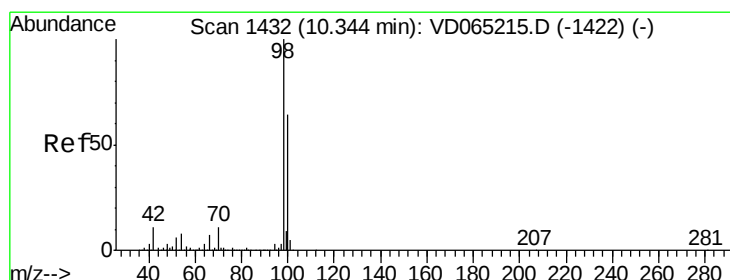
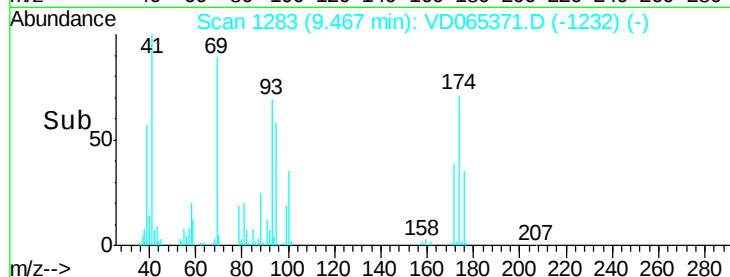
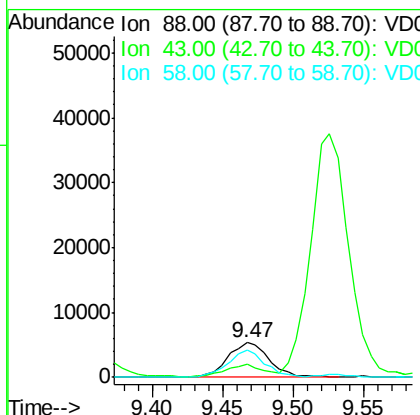
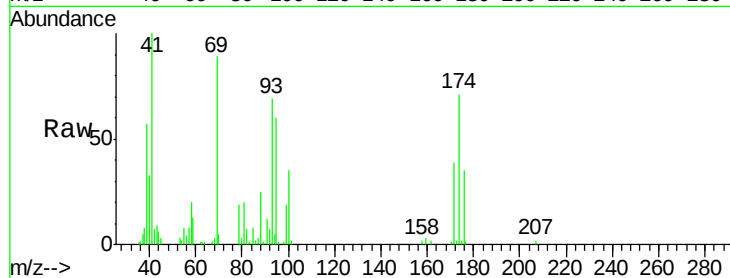
#49
1,4-Dioxane
Concen: 394.973 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.3	28.5	42.7
58	70.7	58.6	87.8

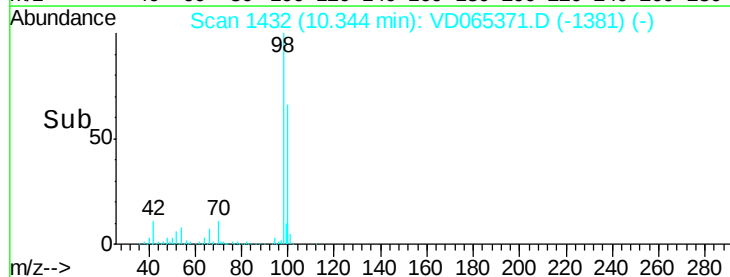
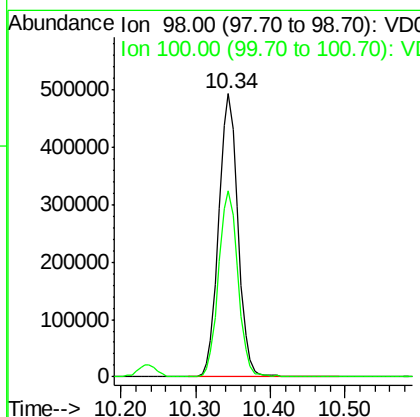
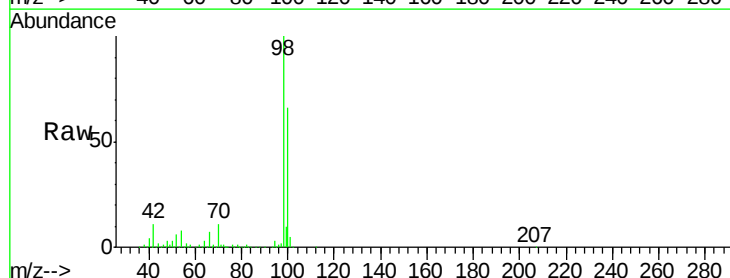
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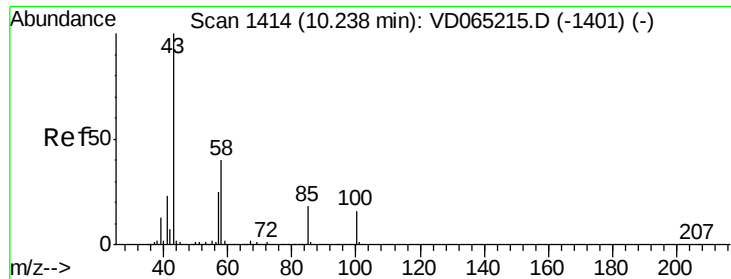
MMDadoda
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#50
Toluene-d8
Concen: 56.612 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0





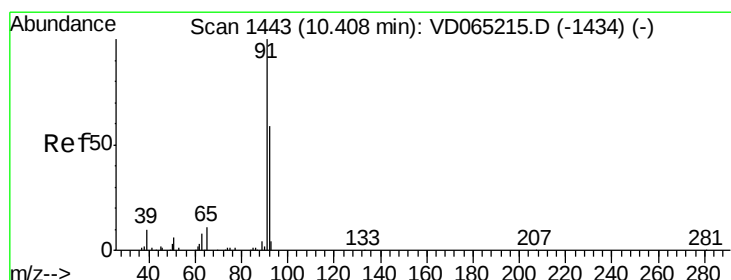
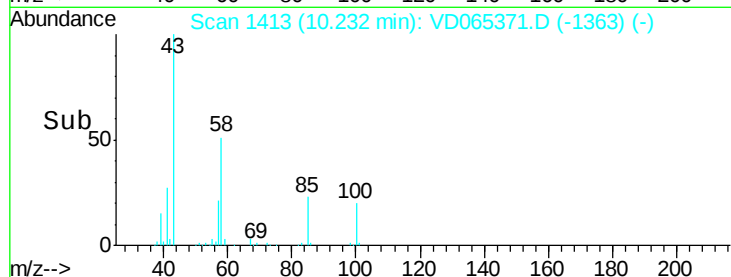
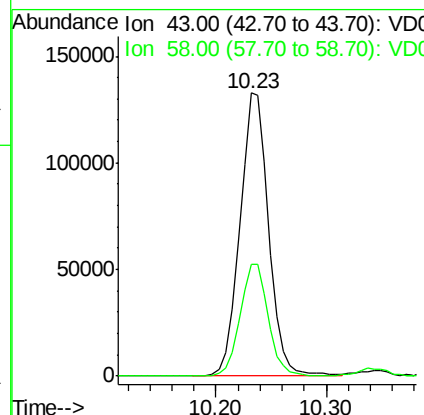
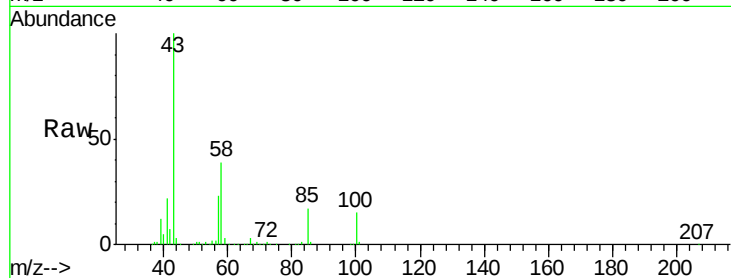
#51
4-Methyl-2-Pentanone
Concen: 96.016 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Tot Ion	43	Resp	242248
Ion Ratio	43	100	
Lower	58	38.8	31.1
Upper			46.7

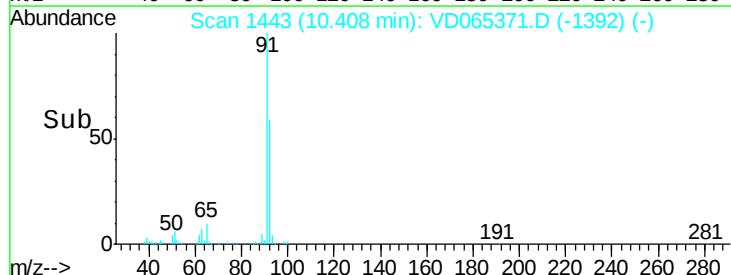
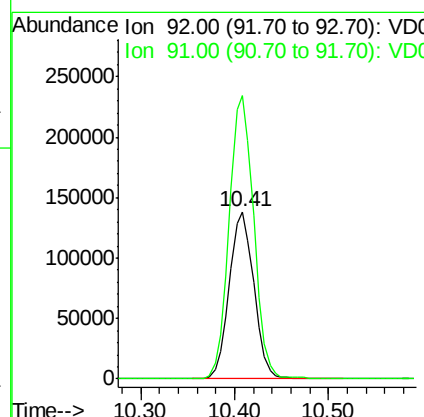
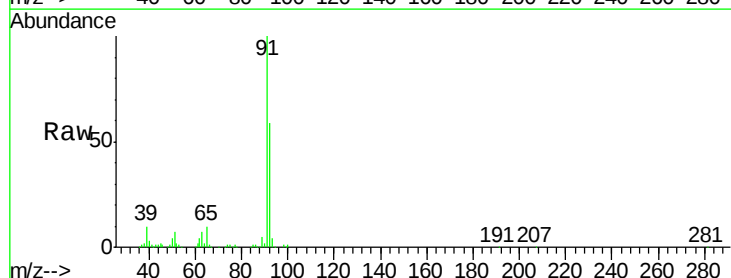
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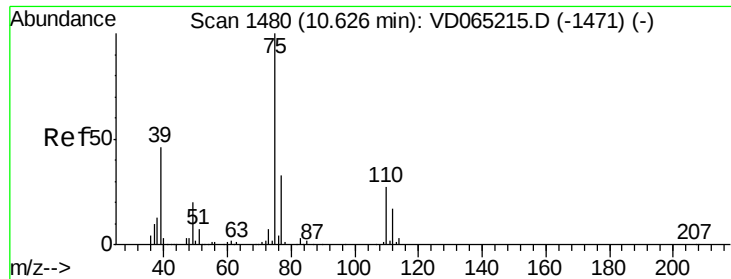
MMDadoda
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#52
Toluene
Concen: 22.120 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion	92	Resp	252527
Ion Ratio	92	100	
Lower	91	168.4	136.3
Upper			204.5





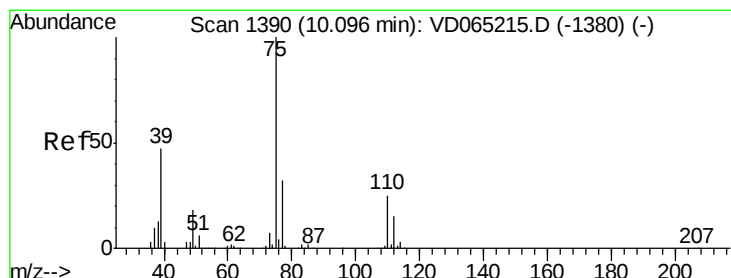
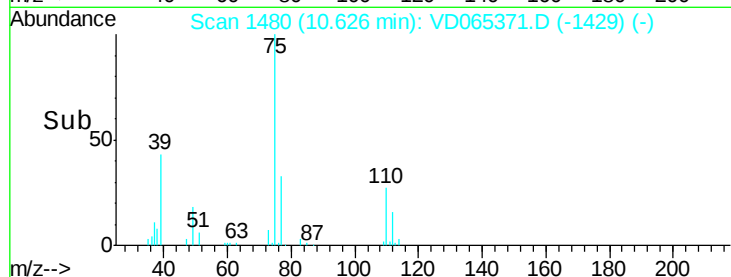
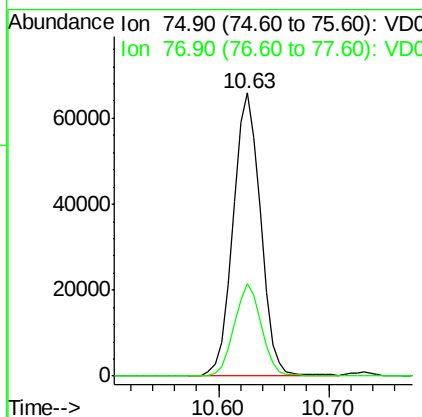
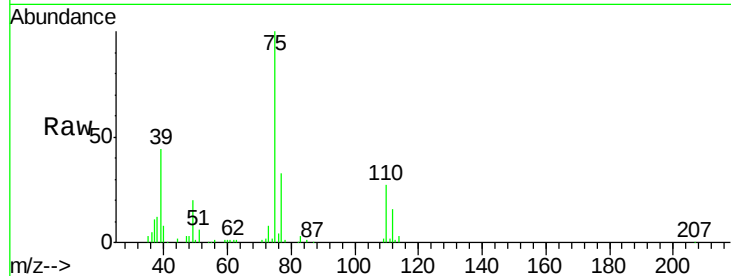
#53
t-1,3-Dichloropropene
Concen: 20.071 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	26.6	40.0

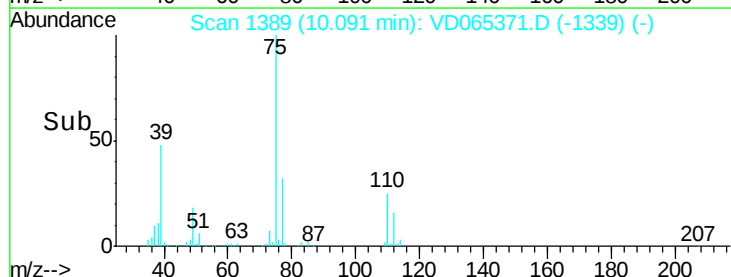
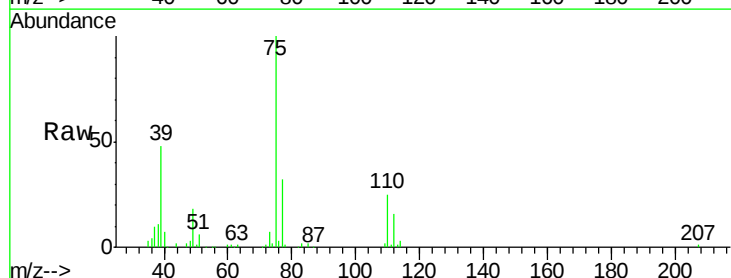
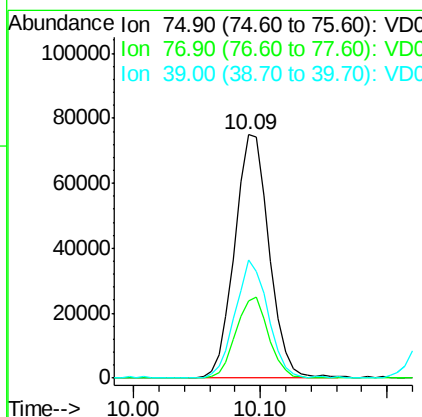
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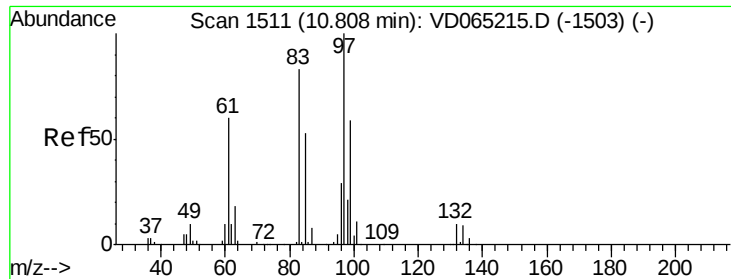
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#54
cis-1,3-Dichloropropene
Concen: 20.347 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.8
39	48.4	37.3	55.9





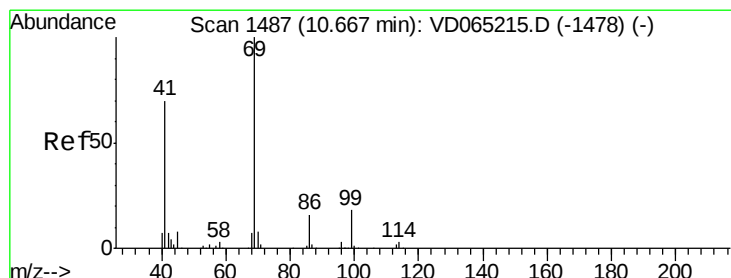
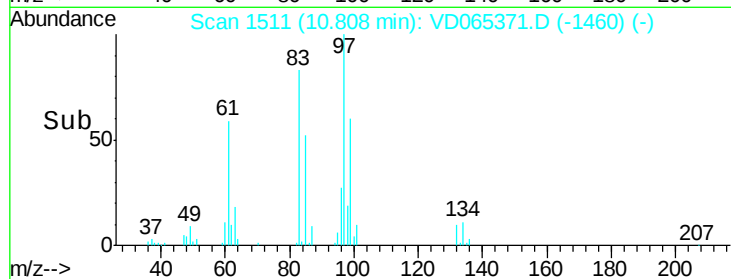
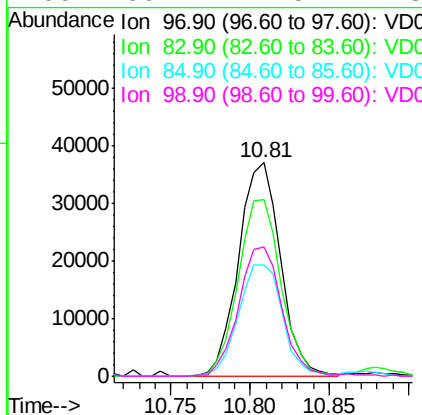
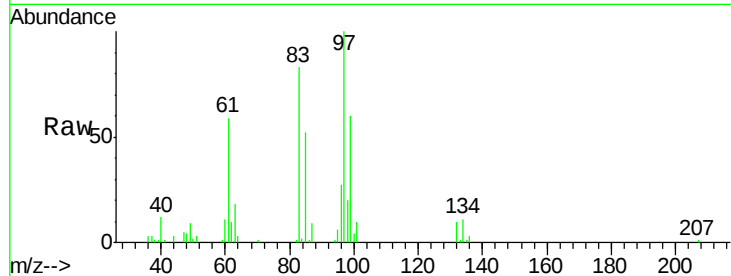
#55
 1,1,2-Trichloroethane
 Concen: 20.602 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

Tot Ion:	97	Resp:	68424
Ion	Ratio	Lower	Upper
97	100		
83	82.7	66.7	100.1
85	52.2	42.4	63.6
99	60.4	47.5	71.3

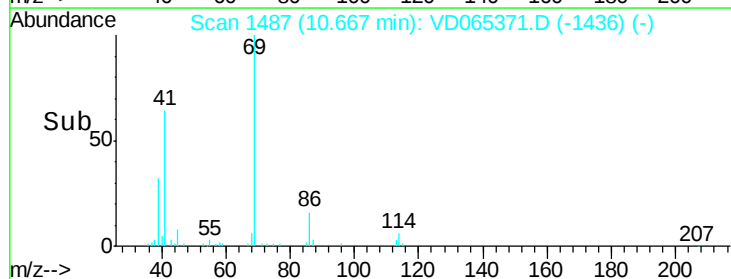
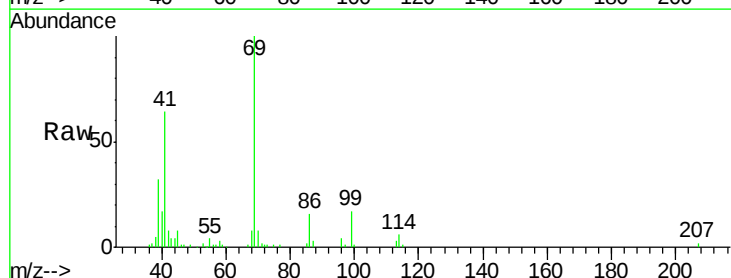
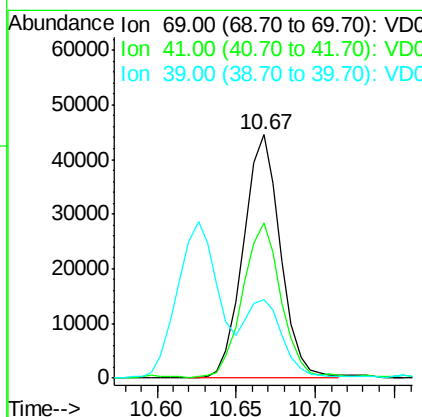
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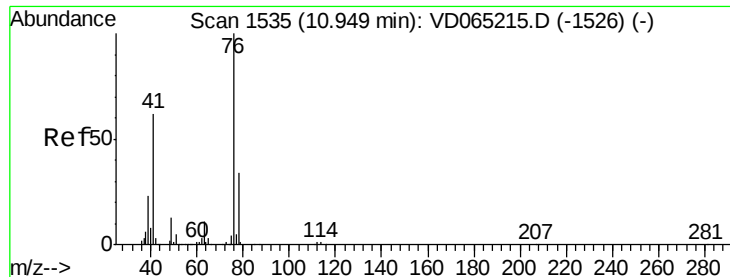
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#56
 Ethyl methacrylate
 Concen: 18.921 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Tgt Ion:	69	Resp:	72531
Ion	Ratio	Lower	Upper
69	100		
41	66.6	54.6	81.8
39	32.8	26.5	39.7





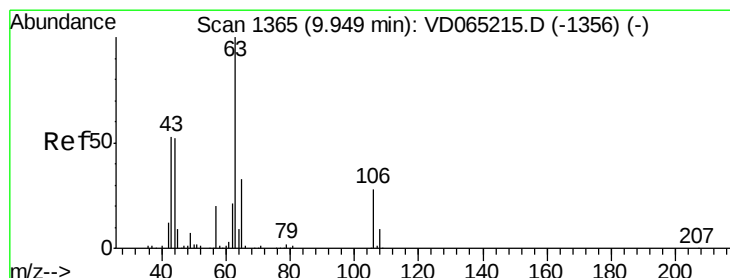
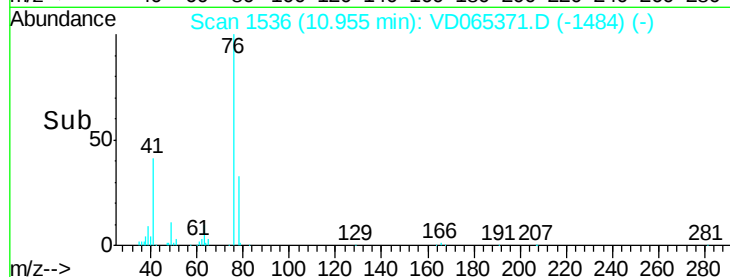
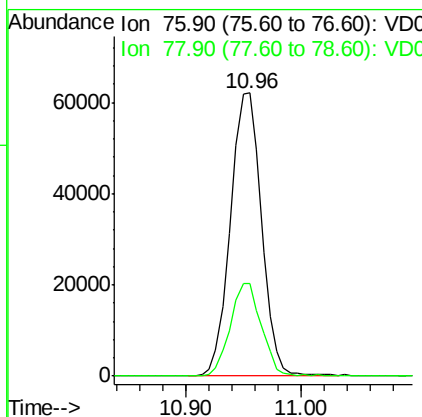
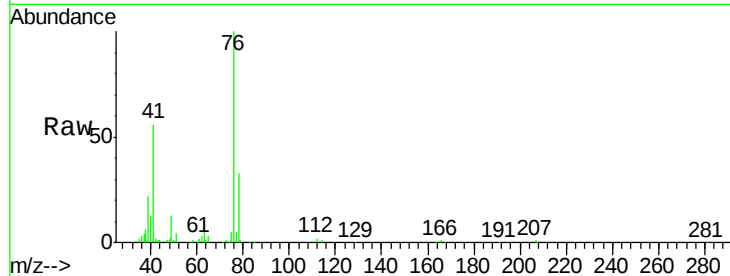
#57
 1,3-Dichloropropane
 Concen: 20.508 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.3	39.5

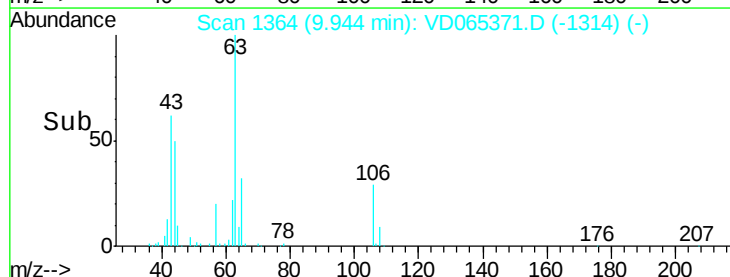
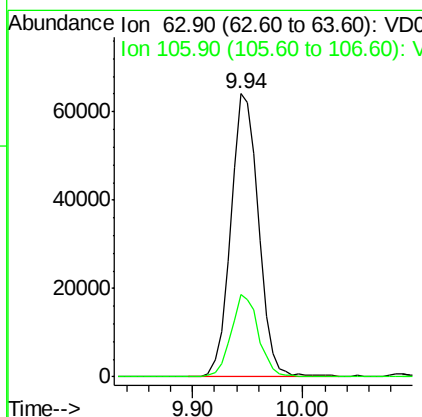
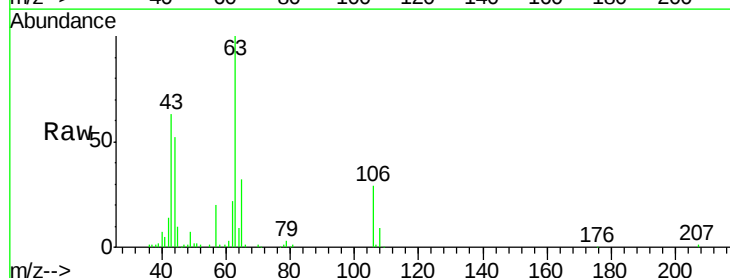
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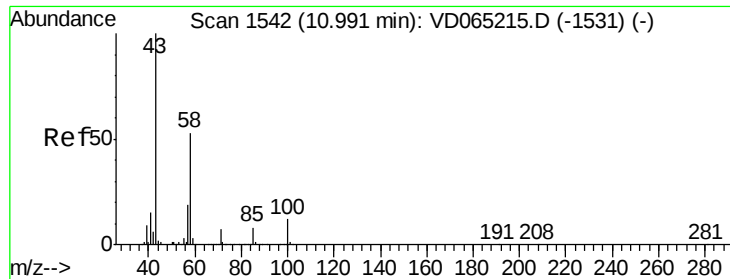
MMDadoda
 3/3/2020 11:12:02 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.790 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	22.8	34.2





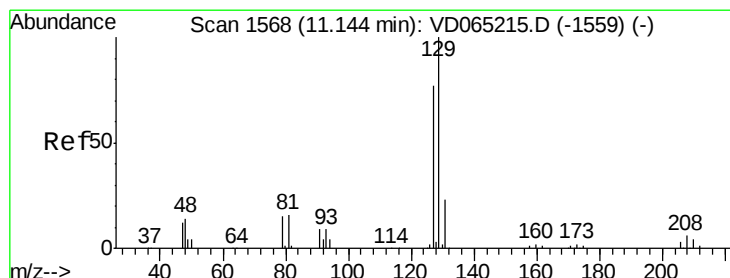
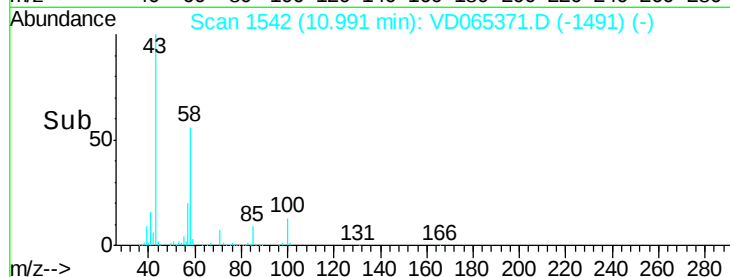
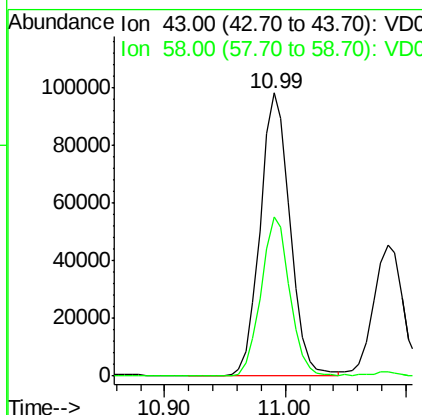
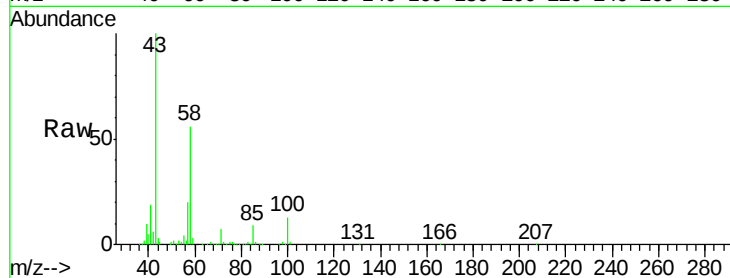
#59
2-Hexanone
Concen: 92.938 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Tot Ion: 43 Resp: 167851
Ion Ratio Lower Upper
43 100
58 54.3 26.3 78.8

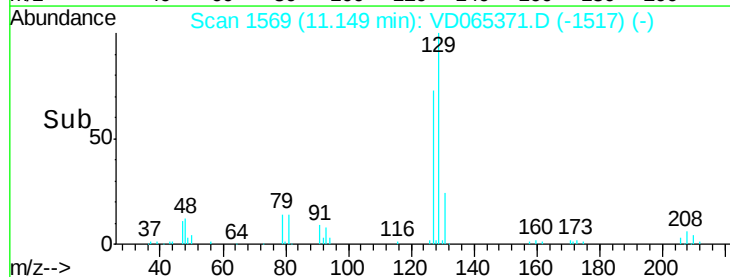
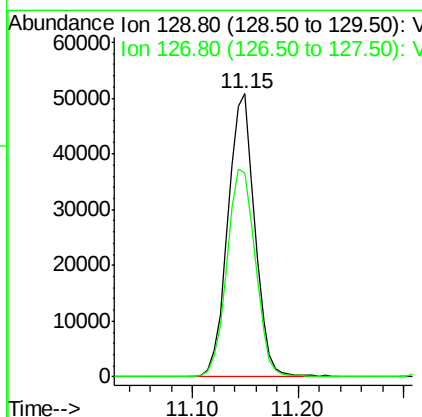
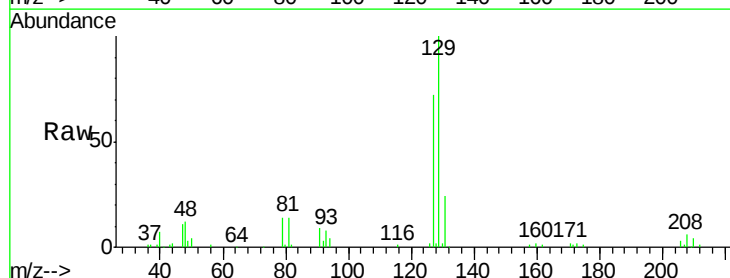
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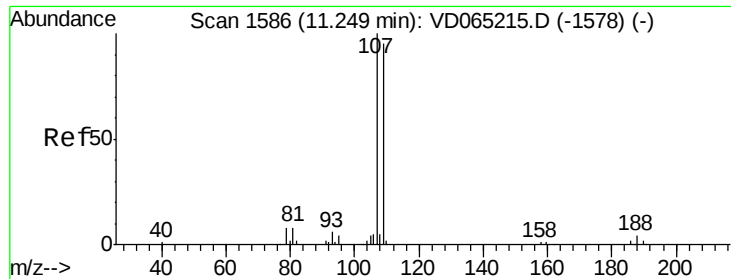
MMDadoda
3/3/2020 11:12:02 AM



#60
Dibromochloromethane
Concen: 20.962 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion: 129 Resp: 89109
Ion Ratio Lower Upper
129 100
127 77.7 38.7 116.1





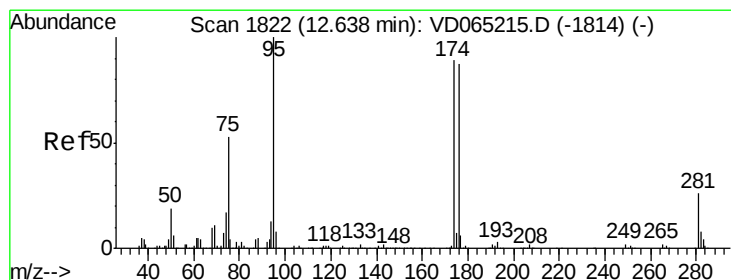
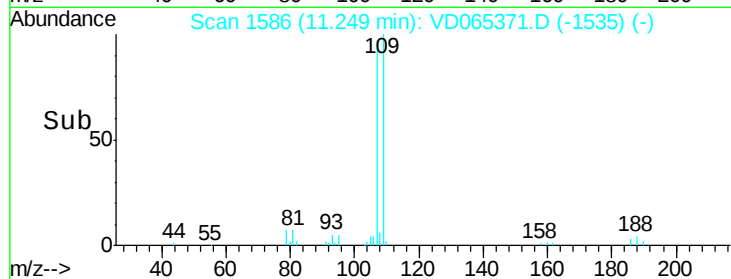
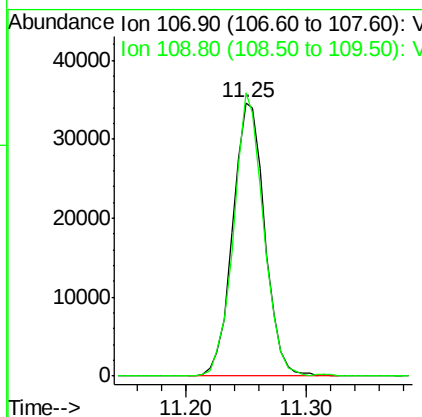
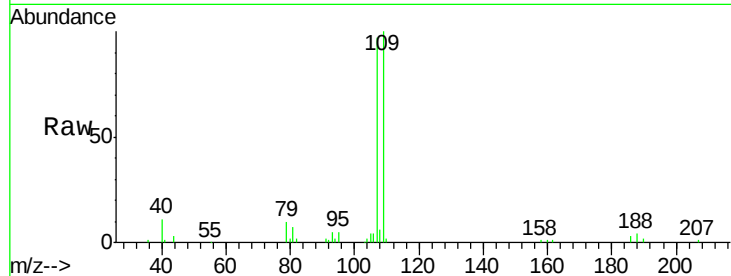
#61
 1,2-Dibromoethane
 Concen: 20.342 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	76.2	114.4

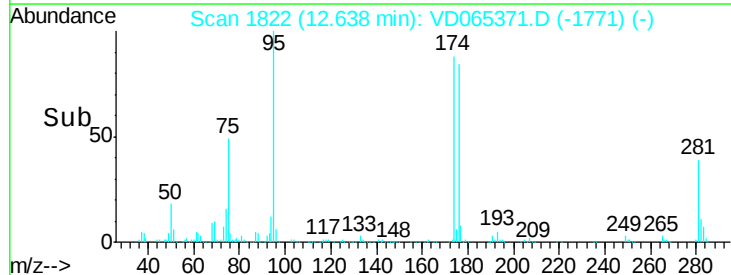
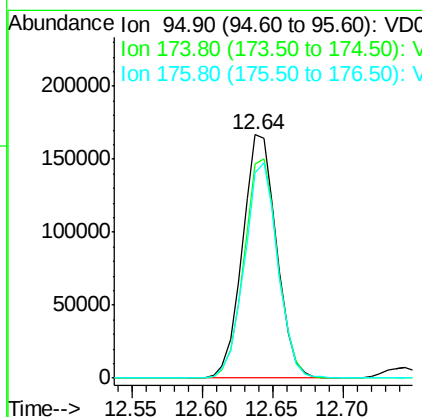
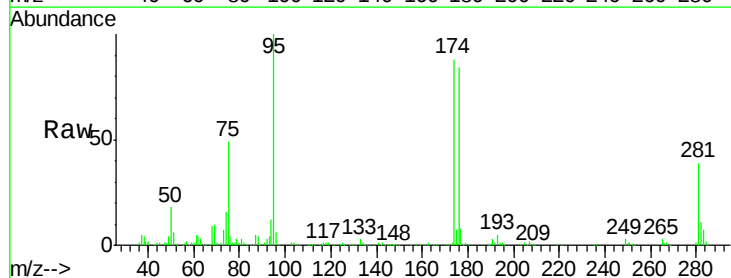
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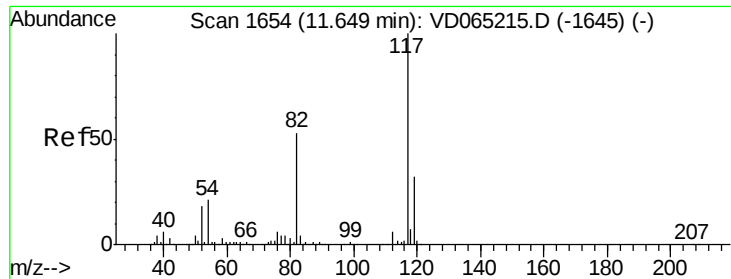
MMDadoda
 3/3/2020 11:12:02 AM



#62
 4-Bromofluorobenzene
 Concen: 56.866 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.3	0.0	178.0
176	86.4	0.0	174.4





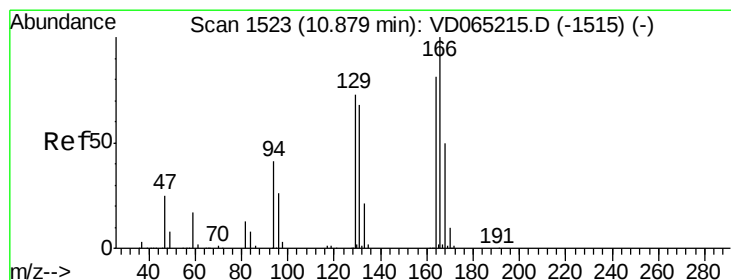
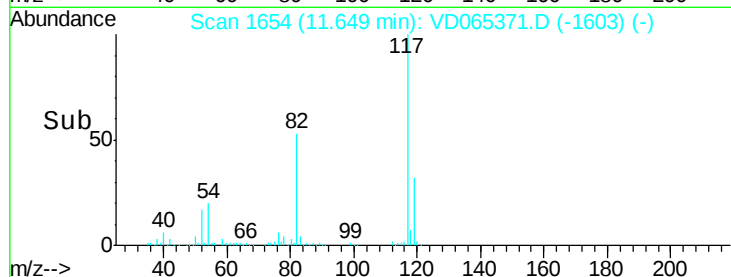
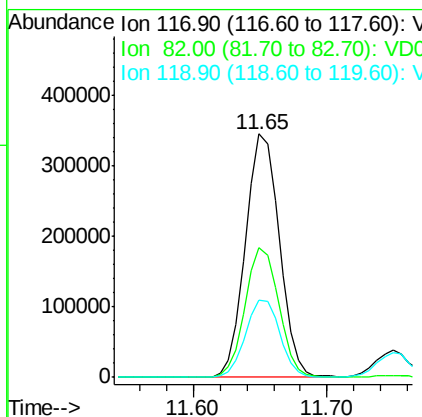
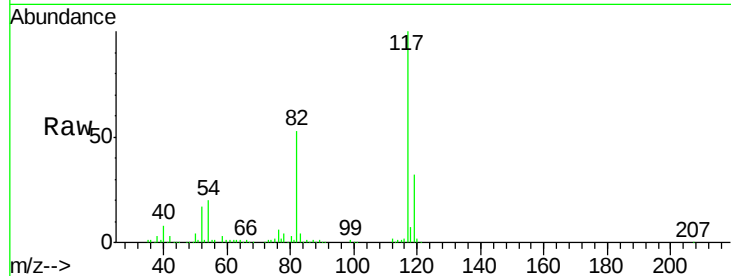
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	608882		
82	53.1		42.7	64.1
119	31.6		25.5	38.3

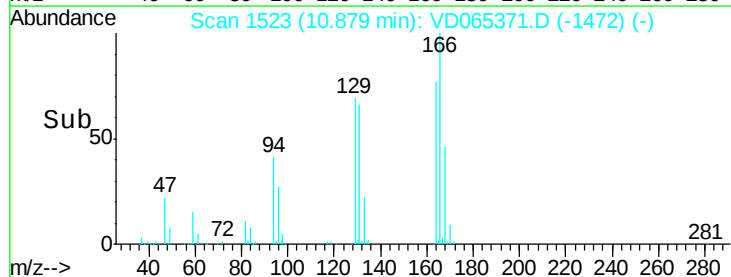
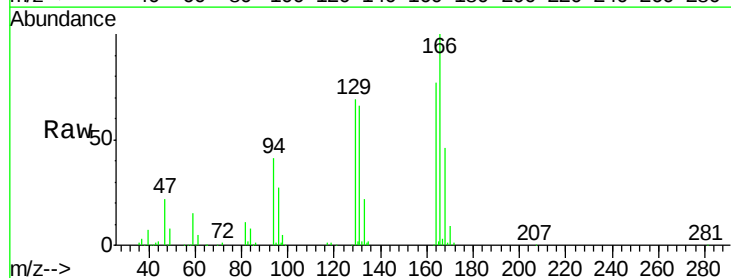
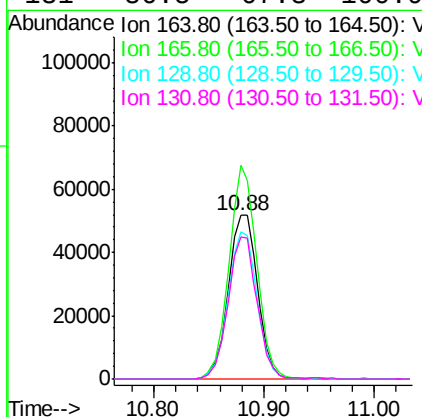
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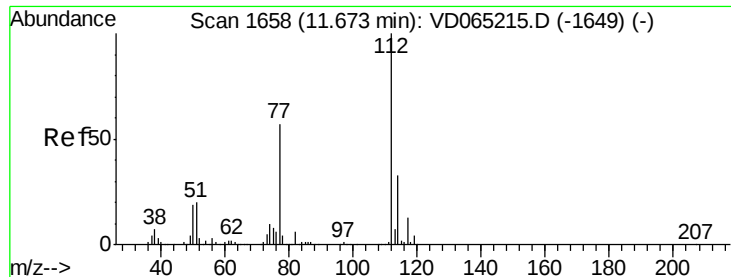
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#64
Tetrachloroethene
Concen: 22.427 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	96849		
166	130.5		98.4	147.6
129	89.7		71.6	107.4
131	86.5		67.3	100.9





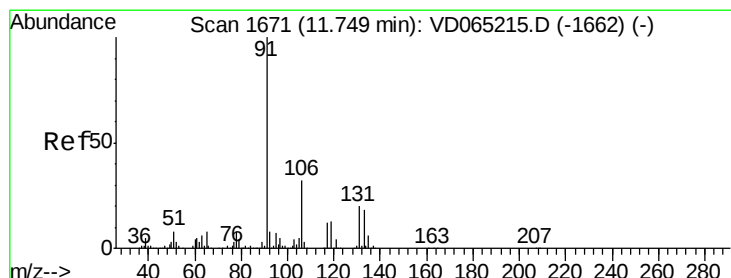
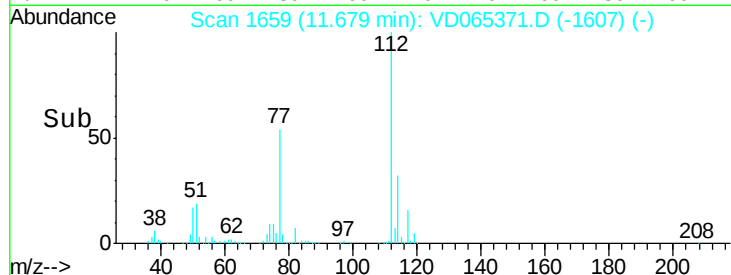
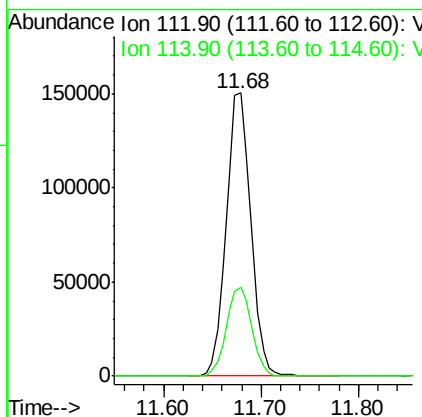
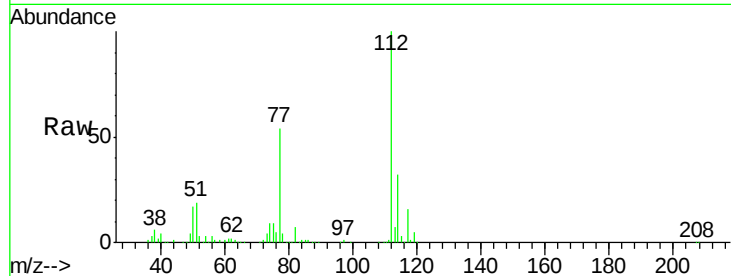
#65
Chlorobenzene
Concen: 21.519 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	262941		
114	31.5	26.4	39.6	

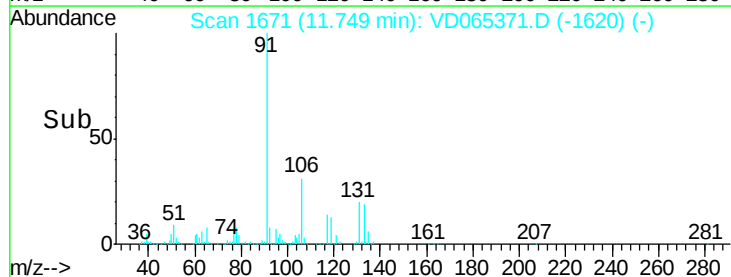
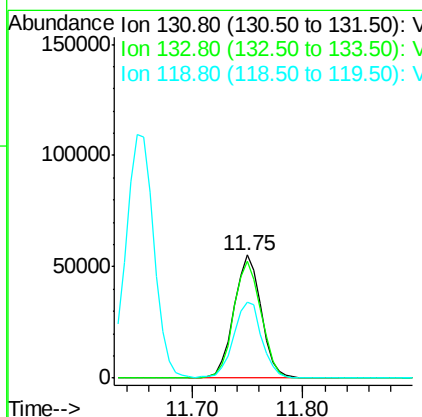
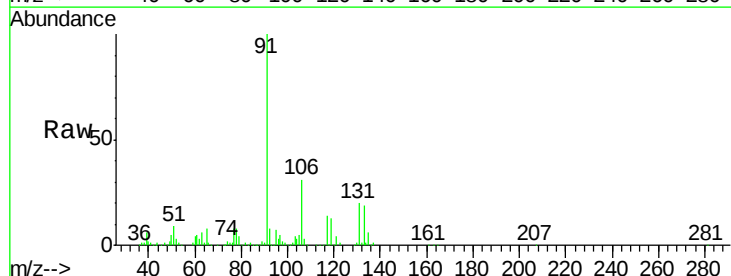
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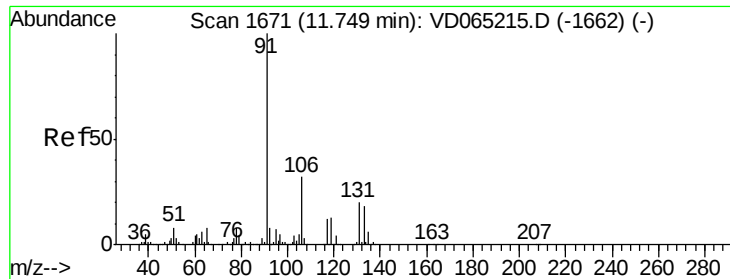
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.134 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	96363		
133	95.6	47.7	143.1	
119	64.4	32.7	98.1	





#67

Ethyl Benzene

Concen: 21.082 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

Tot Ion: 91 Resp: 451146

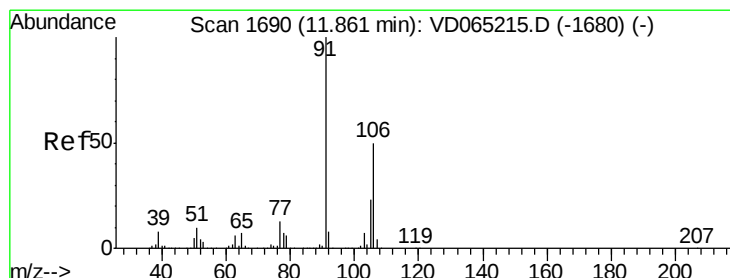
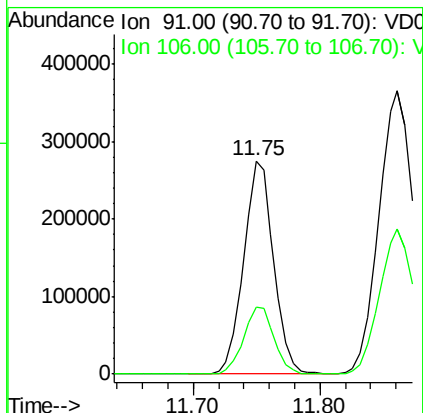
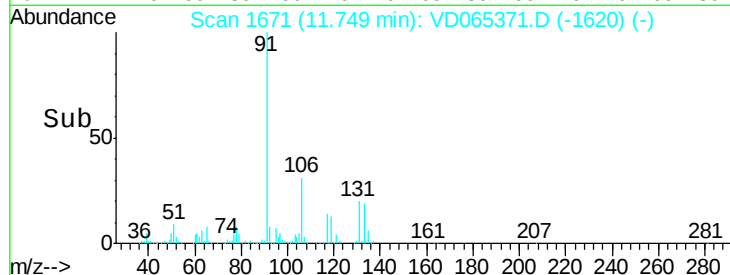
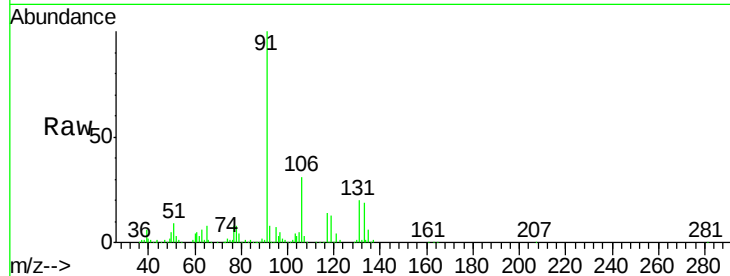
Ion Ratio Lower Upper

91 100

106 31.4 25.2 37.8

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#68

m/p-Xylenes

Concen: 43.433 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065371.D

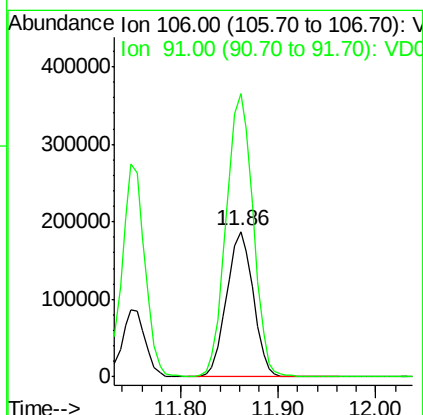
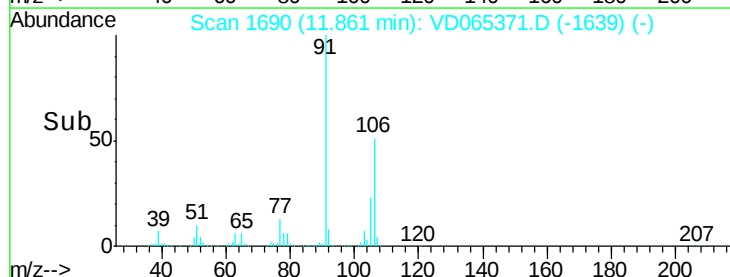
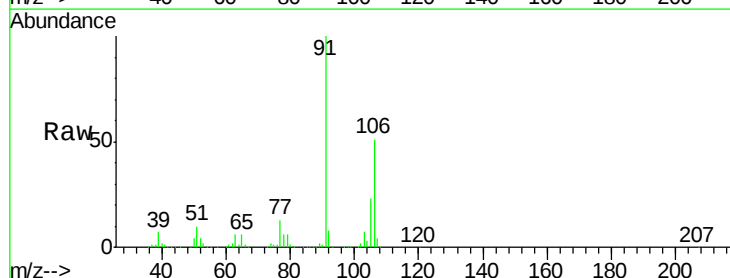
Acq: 02 Mar 2020 11:19

Tgt Ion: 106 Resp: 355602

Ion Ratio Lower Upper

106 100

91 197.5 158.2 237.4





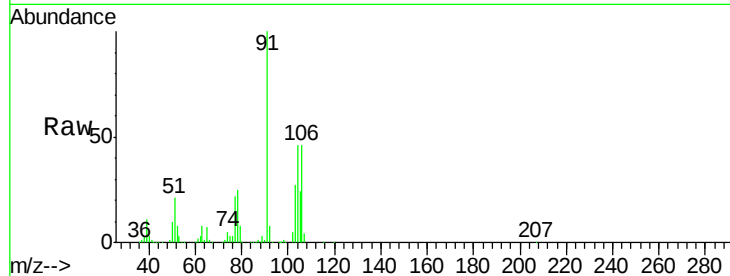
#69
o-Xylene
Concen: 21.020 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

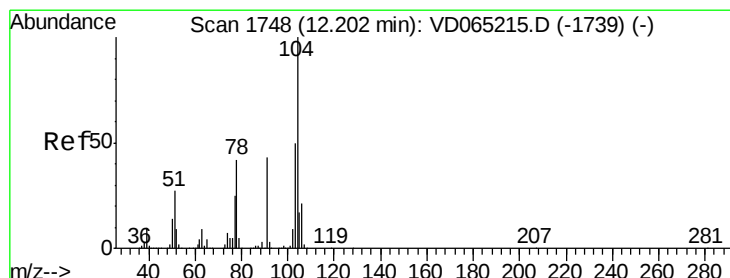
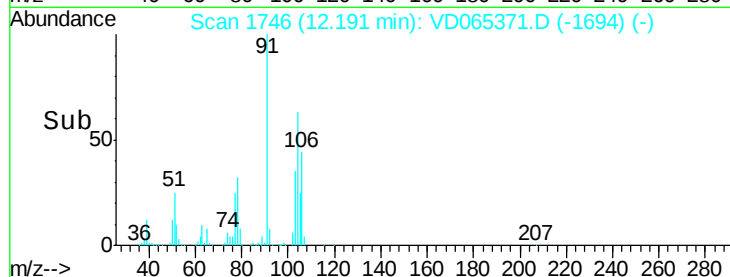
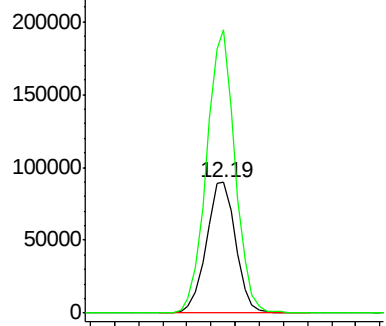
Tot Ion:106 Resp: 152474
Ion Ratio Lower Upper
106 100
91 208.7 104.7 313.9

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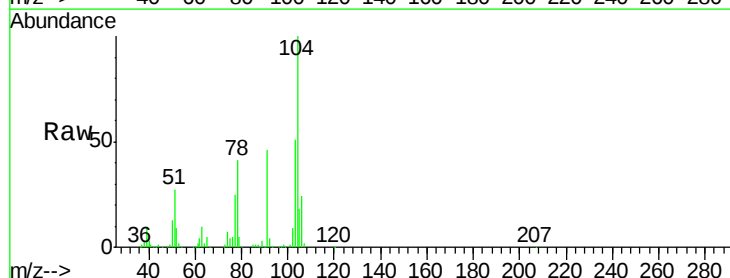


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

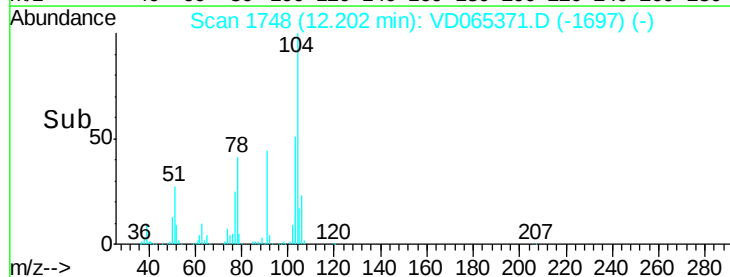
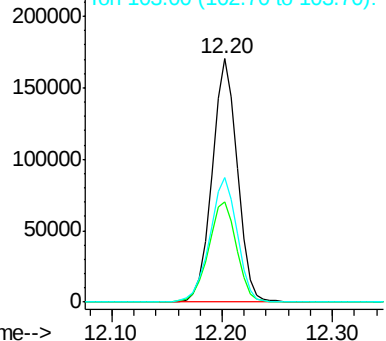


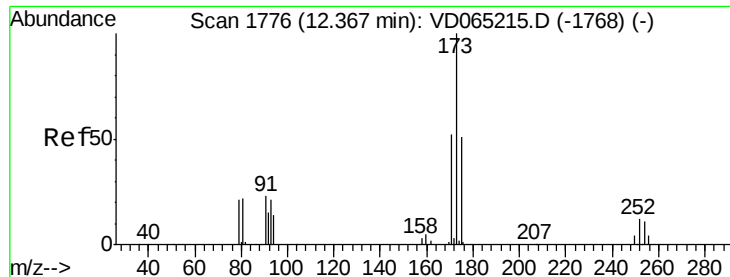
#70
Styrene
Concen: 21.268 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion:104 Resp: 273899
Ion Ratio Lower Upper
104 100
78 45.8 37.8 56.6
103 55.7 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: 20.633 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

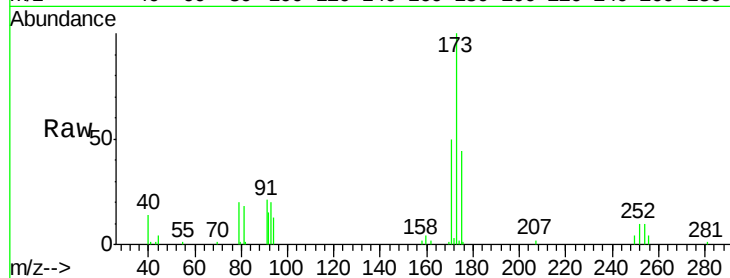
ClientSampleId :

VD0302SBS01

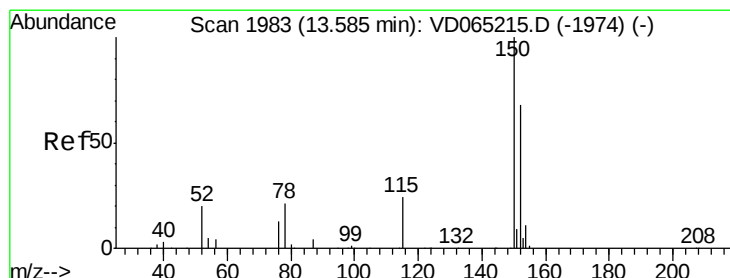
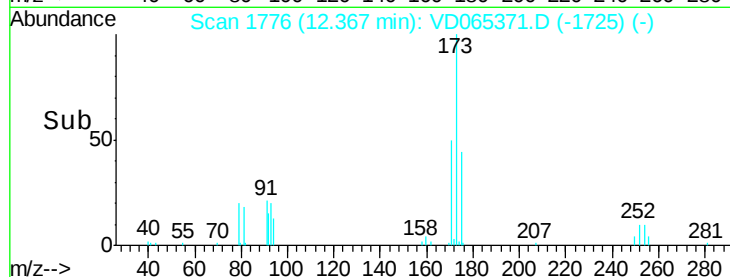
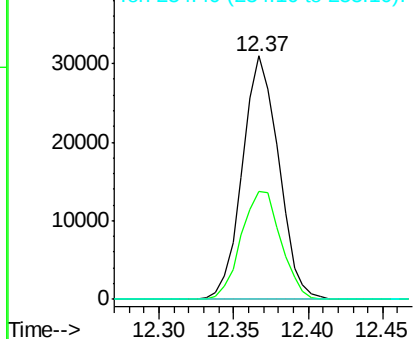
Tot Ion:	173	Resp:	52205
Ion Ratio	Lower	Upper	
173	100		
175	48.4	24.4	73.4
254	0.0	0.0	0.0

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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

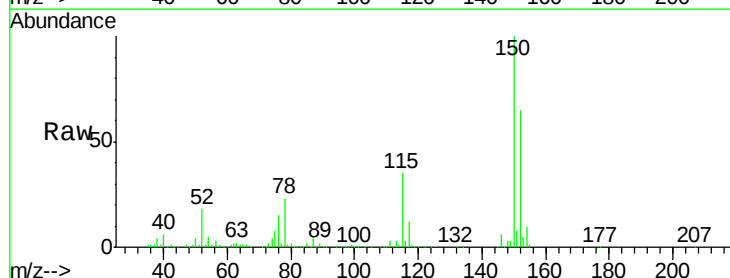
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

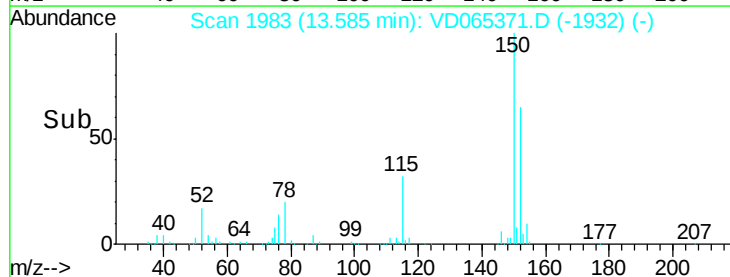
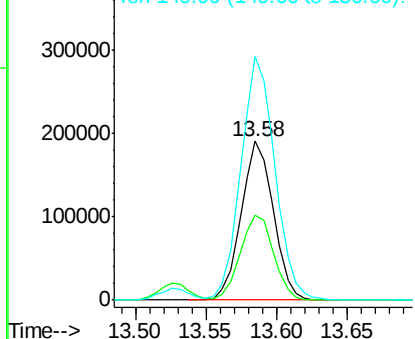
Lab File: VD065371.D

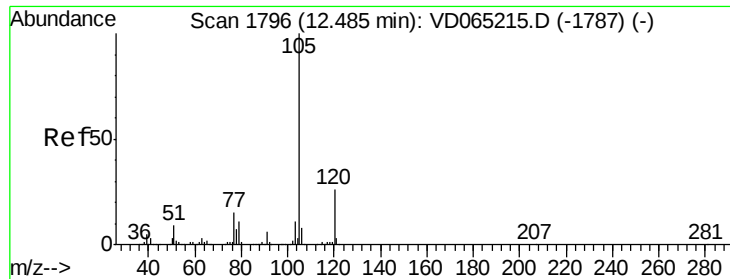
Acq: 02 Mar 2020 11:19

Tgt Ion:	152	Resp:	304795
Ion Ratio	Lower	Upper	
152	100		
115	55.8	27.6	82.8
150	162.0	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: 21.248 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

Tot Ion:105 Resp: 428762

Ion Ratio Lower Upper

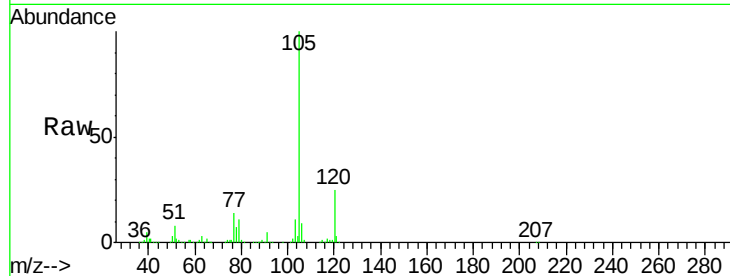
105 100

120 26.4 13.3 39.9

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

100000

50000

0

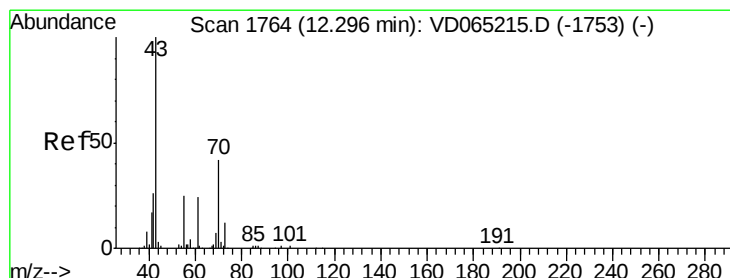
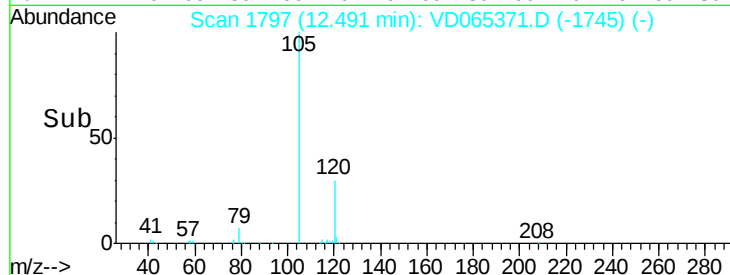
12.40

12.49

12.50

12.60

Time-->



#74

N-ethyl acetate

Concen: 17.817 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Tgt Ion: 43 Resp: 79889

Ion Ratio Lower Upper

43 100

70 46.1 33.7 50.5

55 30.2 20.7 31.1

61 24.8 19.0 28.4

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

80000

60000

40000

20000

0

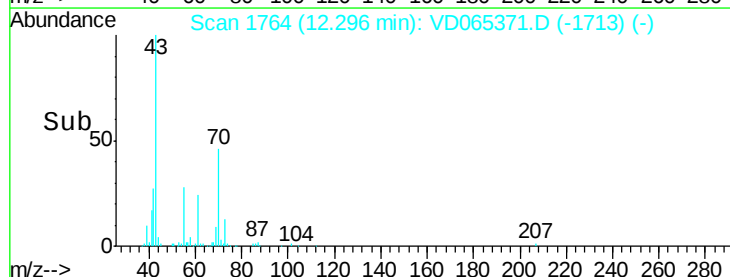
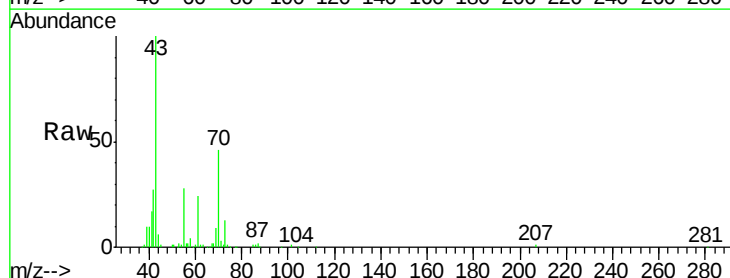
12.20

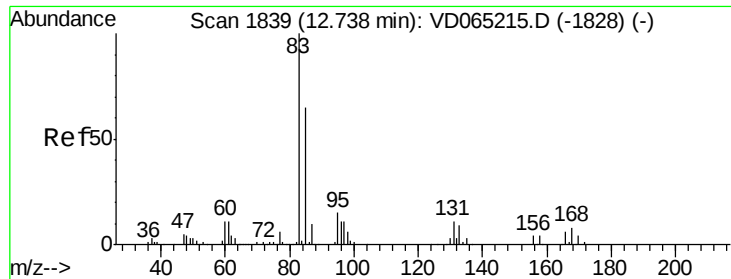
12.25

12.30

12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.677 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

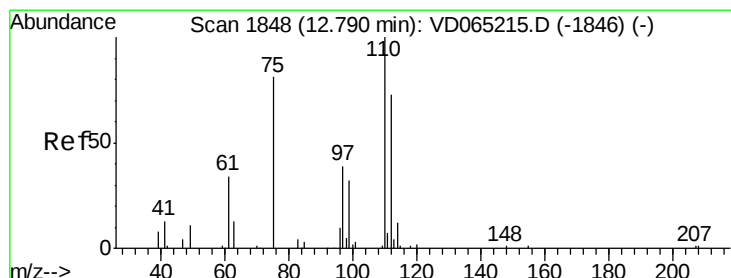
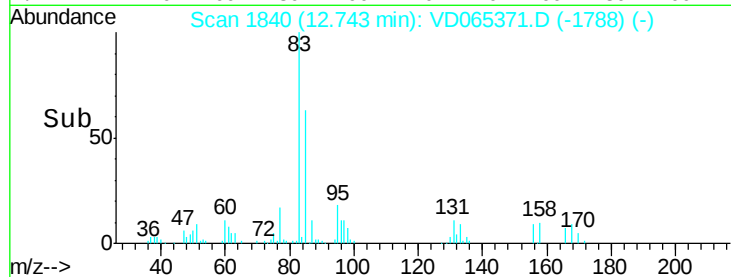
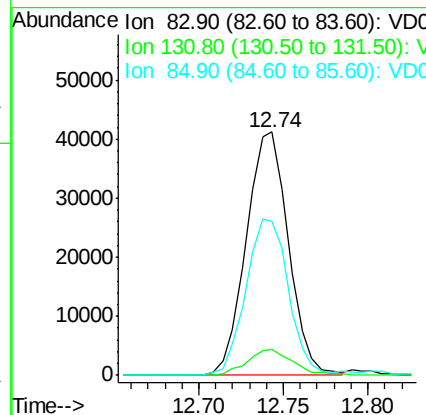
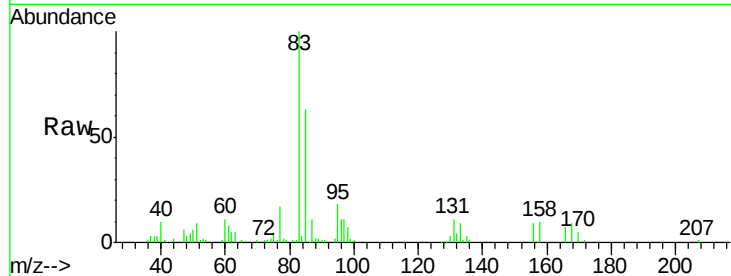
ClientSampleId :

VD0302SBS01

Tot Ion:	83	Resp:	71660
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.4	16.2
85	65.2	31.6	94.8

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#76

1,2,3-Trichloropropane

Concen: 20.352 ug/l m

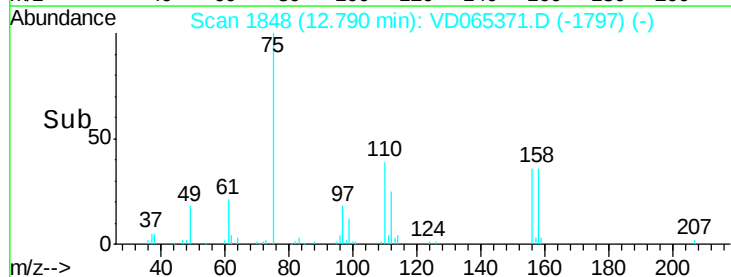
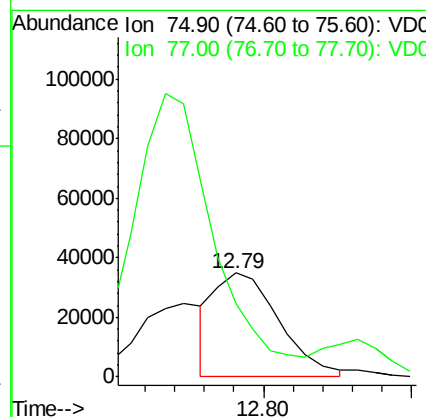
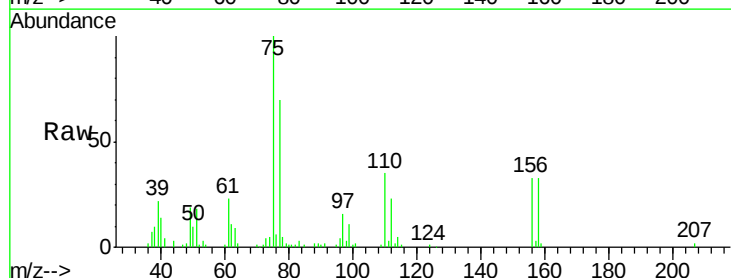
RT: 12.79 min Scan# 1848

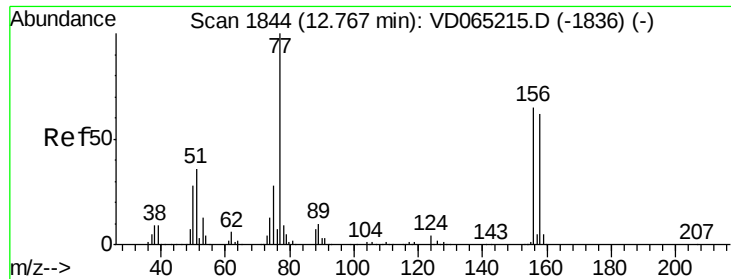
Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Tgt Ion:	75	Resp:	52778
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





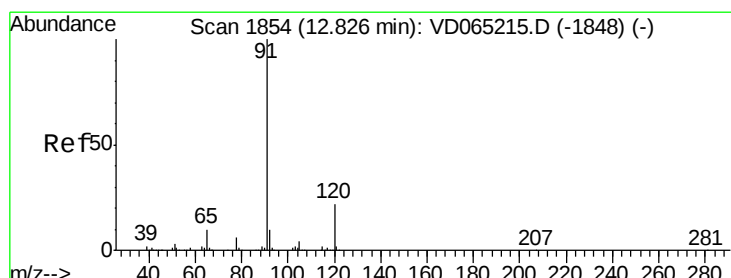
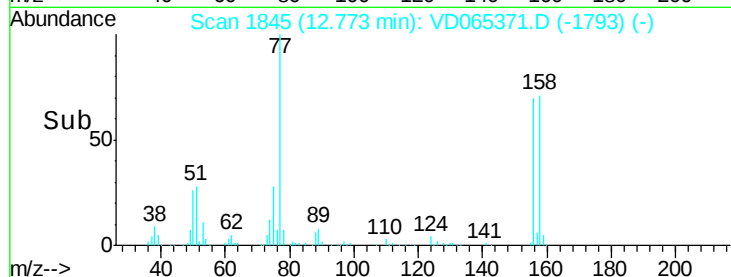
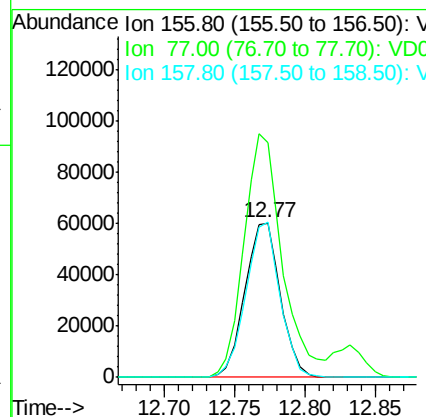
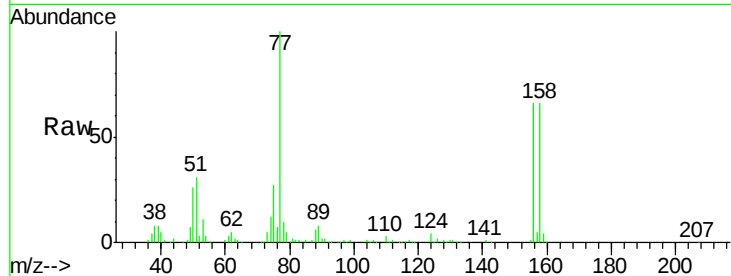
#77
Bromobenzene
Concen: 21.107 ug/l
RT: 12.77 min Scan# 1845
Delta R.T. 0.01 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	171.5	86.6	259.7
158	96.3	48.1	144.3

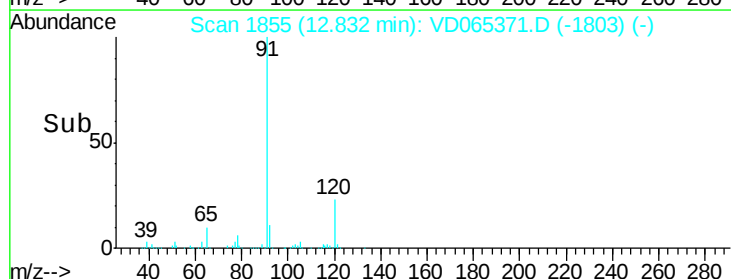
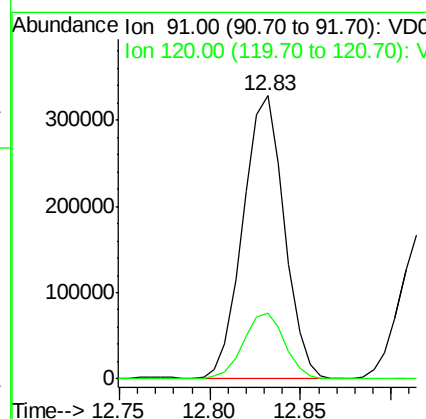
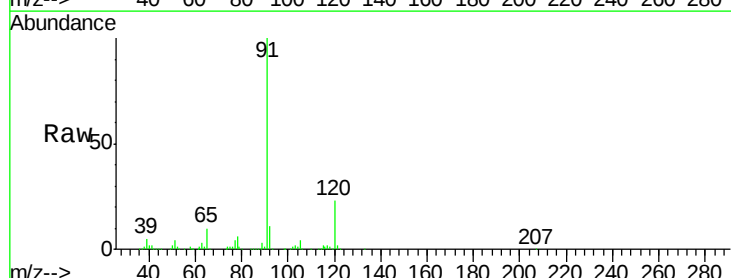
Manual Integrations
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#78
n-propylbenzene
Concen: 21.438 ug/l
RT: 12.83 min Scan# 1855
Delta R.T. 0.01 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.5	34.5





#79

2-Chlorotoluene

Concen: 21.210 ug/l

RT: 12.92 min Scan# 1870

Delta R.T. 0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

Tot Ion: 91 Resp: 288136

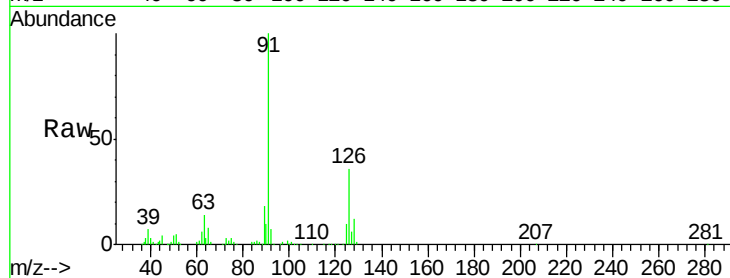
Ion Ratio Lower Upper

91 100

126 35.2 17.5 52.6

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Abundance Ion 91.00 (90.70 to 91.70): VD065371.D (-1870) (-)

Ion 125.90 (125.60 to 126.60): VD065371.D (-1870) (-)

300000

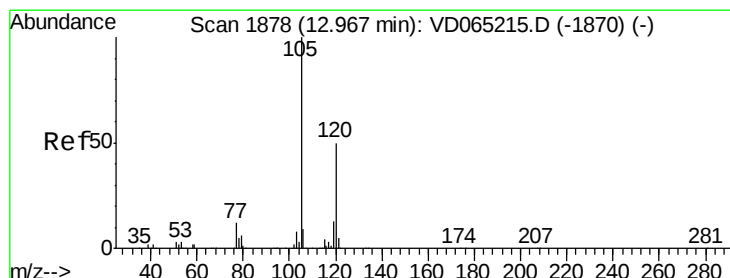
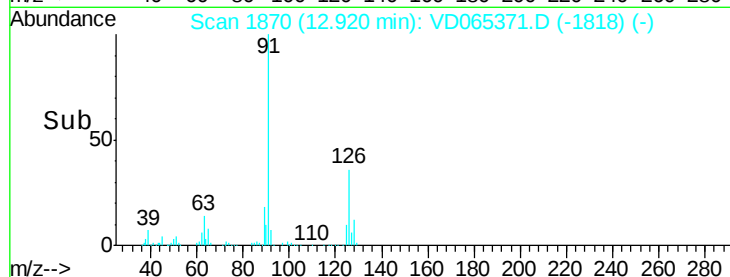
200000

100000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.398 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065371.D

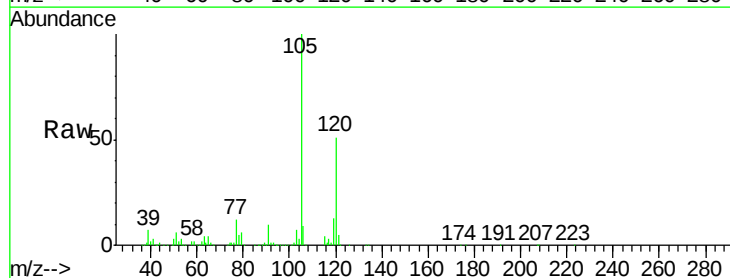
Acq: 02 Mar 2020 11:19

Tgt Ion: 105 Resp: 355625

Ion Ratio Lower Upper

105 100

120 51.1 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD065371.D (-1827) (-)

Ion 120.00 (119.70 to 120.70): VD065371.D (-1827) (-)

250000

200000

150000

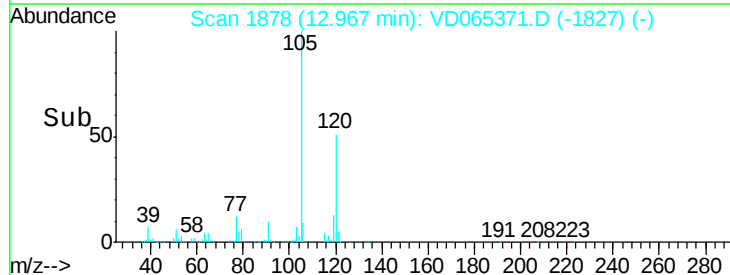
100000

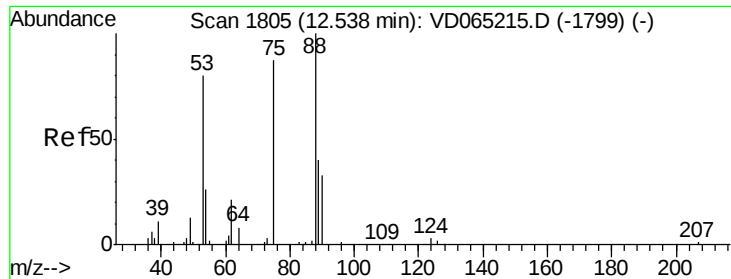
50000

0

12.90 12.95 13.00 13.05

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.563 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

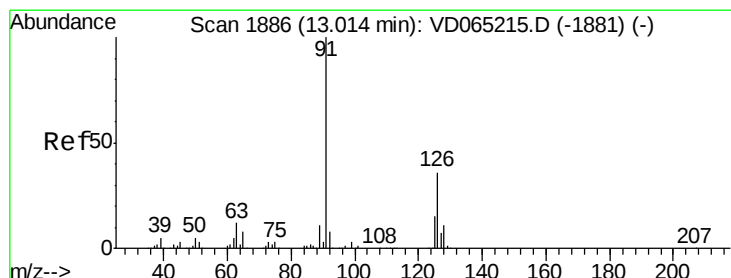
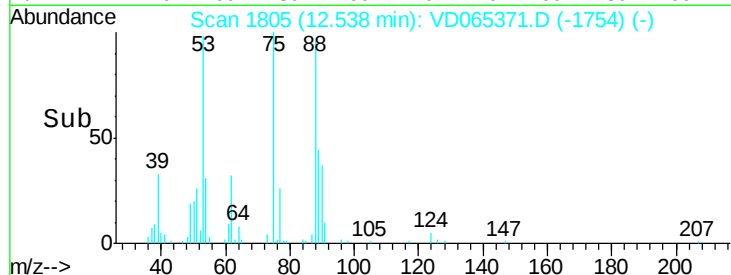
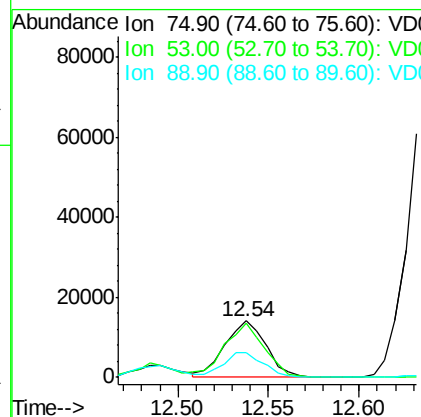
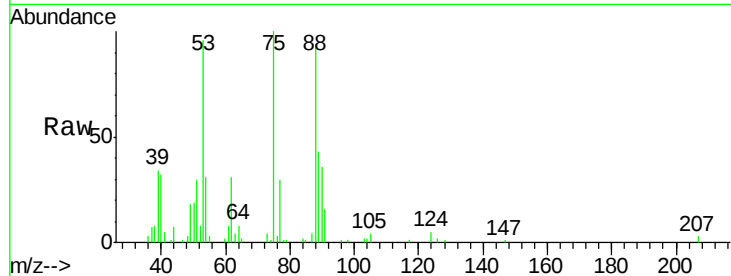
ClientSampleId :

VD0302SBS01

Tot Ion:	75	Resp:	22295
Ion	Ratio	Lower	Upper
75	100		
53	95.1	77.6	116.4
89	42.2	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.052 ug/l

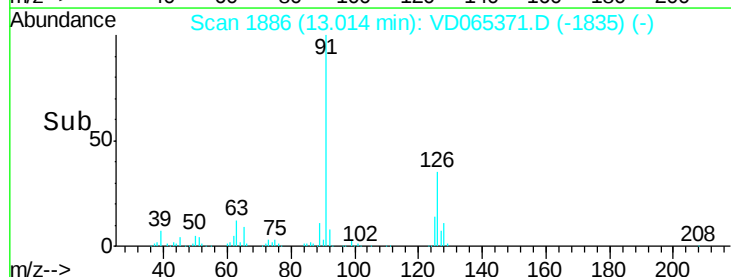
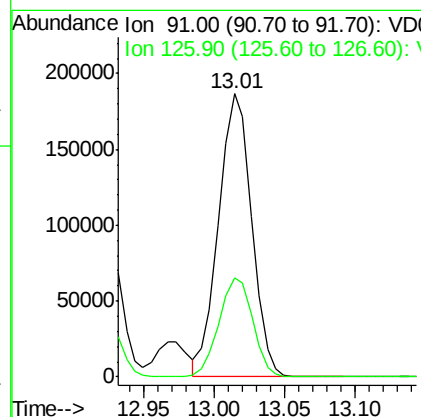
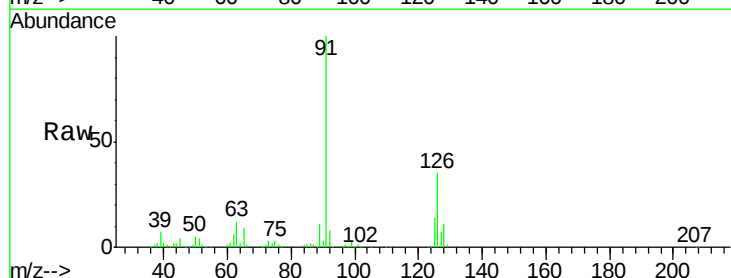
RT: 13.01 min Scan# 1886

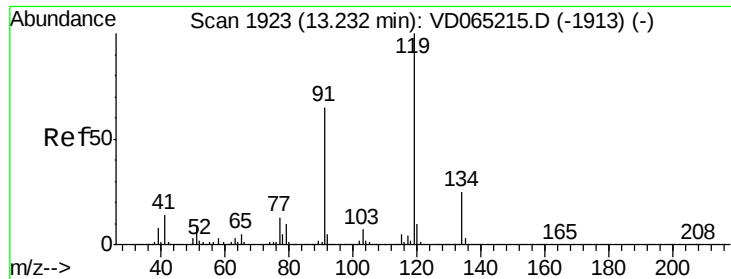
Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Tgt Ion:	91	Resp:	303614
Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.4	52.3





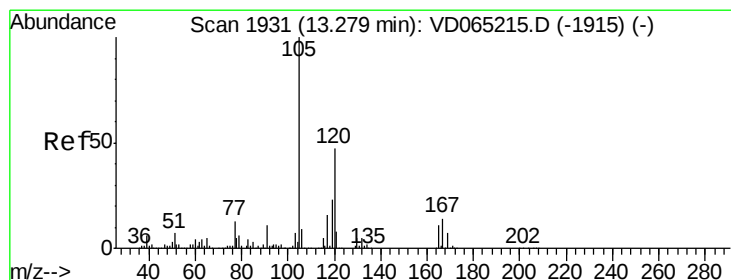
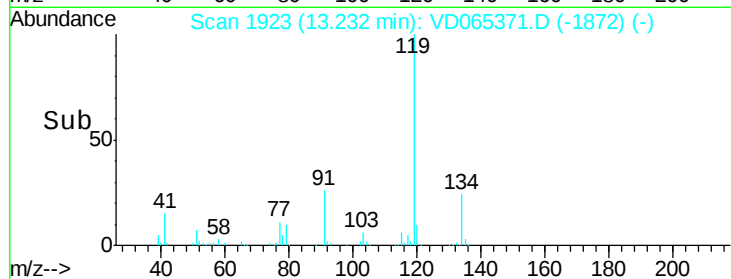
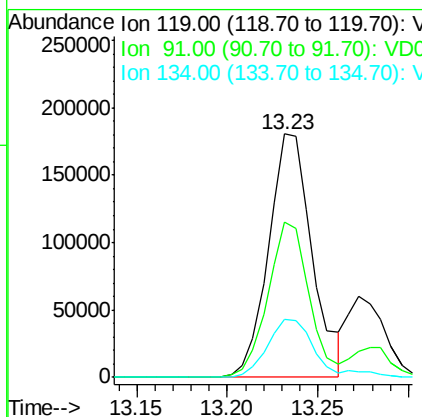
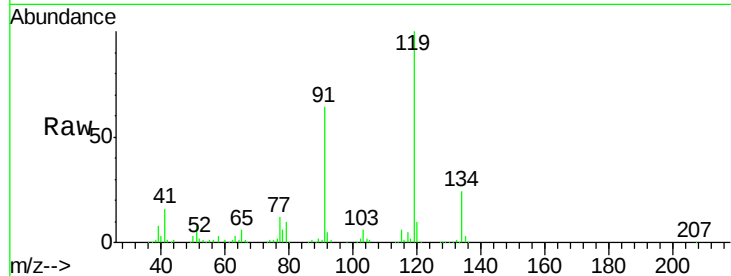
#83
tert-Butylbenzene
Concen: 21.774 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	303301		
91	60.3		31.9	95.5
134	26.4		13.8	41.3

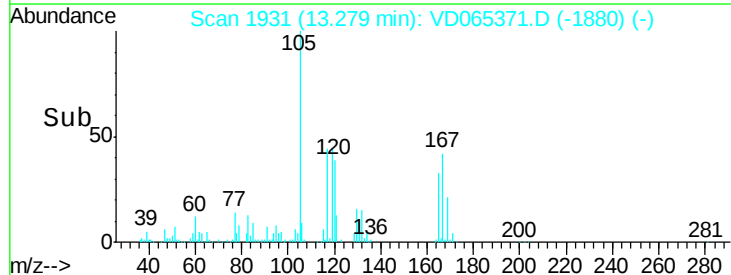
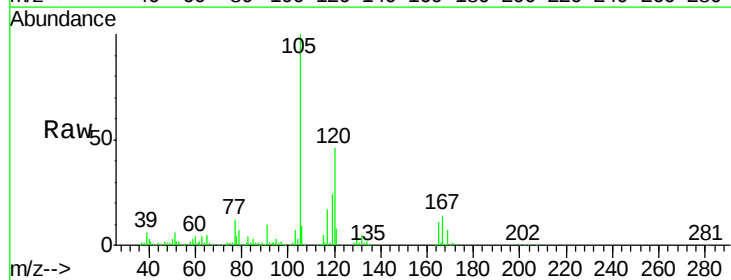
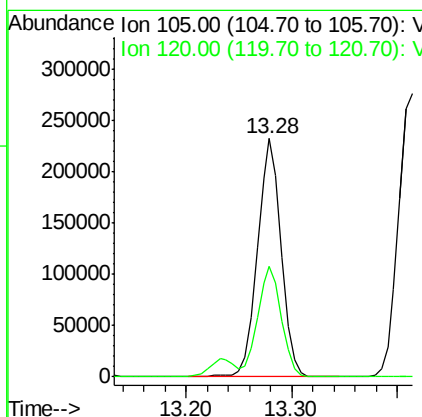
Manual Integrations
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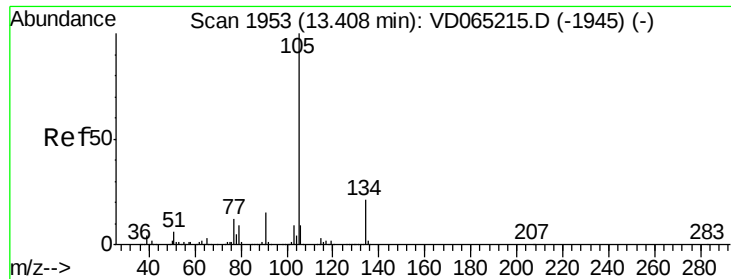
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#84
1,2,4-Trimethylbenzene
Concen: 21.810 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	362807		
120	46.3		23.3	69.9





#85

sec-Butylbenzene

Concen: 21.512 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

Tot Ion:105 Resp: 431784

Ion Ratio Lower Upper

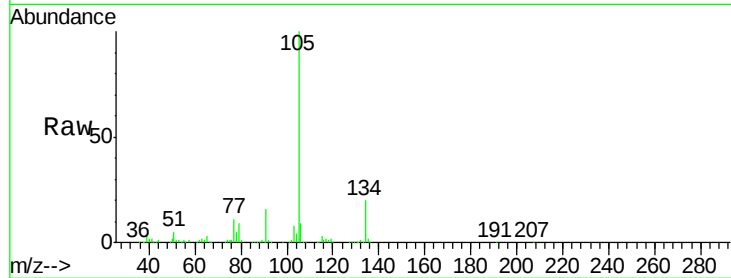
105 100

134 20.6 10.3 30.9

Manual Integrations
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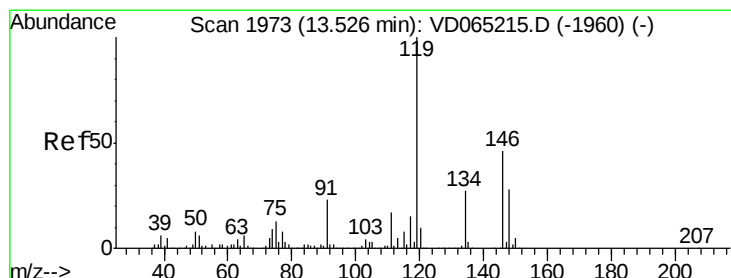
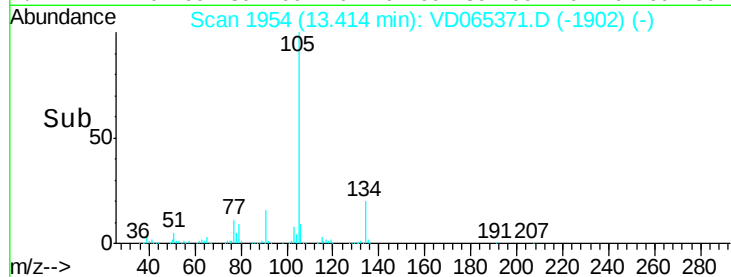
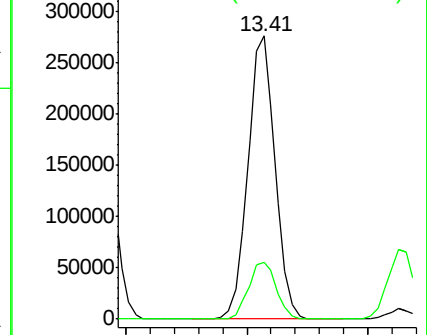
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.408 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

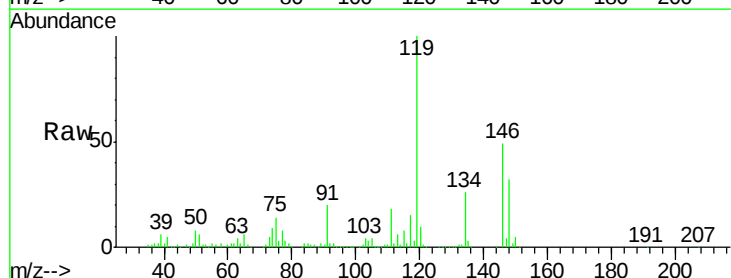
Tgt Ion:119 Resp: 392950

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

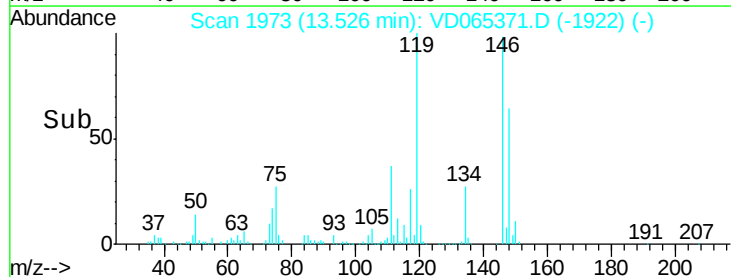
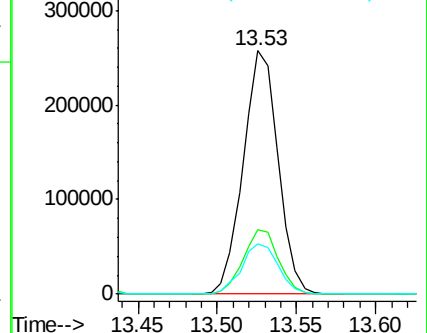
91 21.5 11.1 33.1

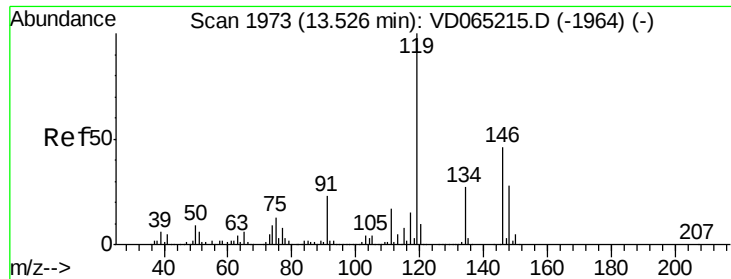


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





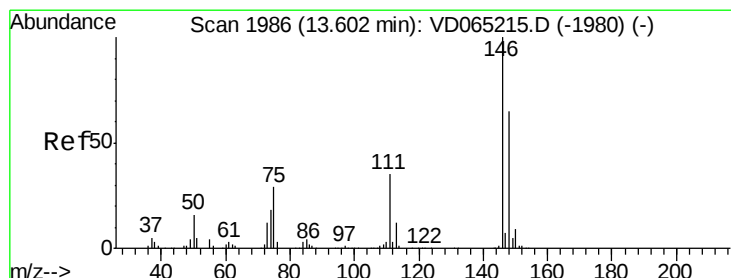
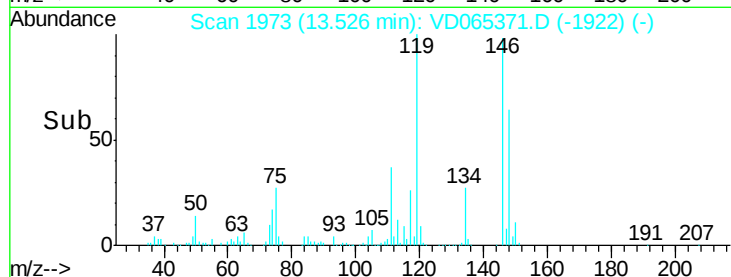
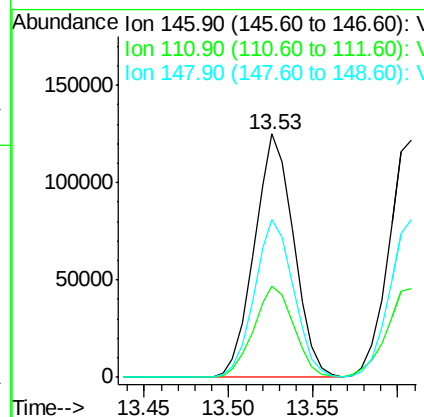
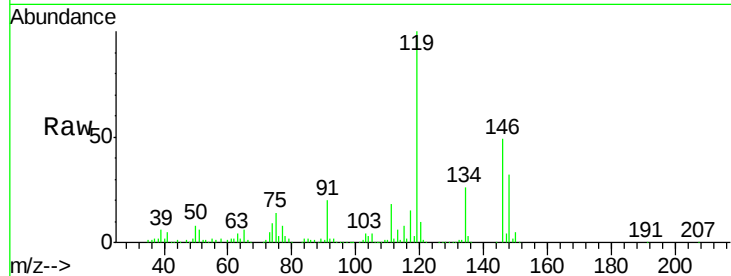
#87
 1,3-Dichlorobenzene
 Concen: 20.897 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	55.8
148	64.5	31.4	94.3

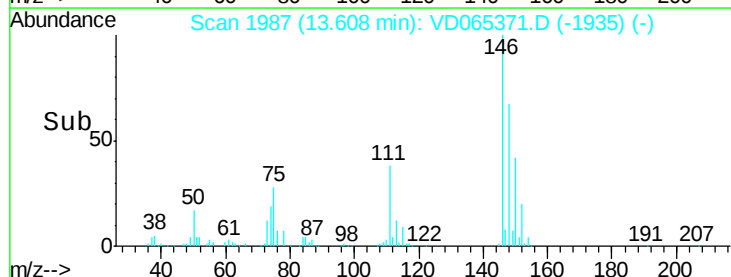
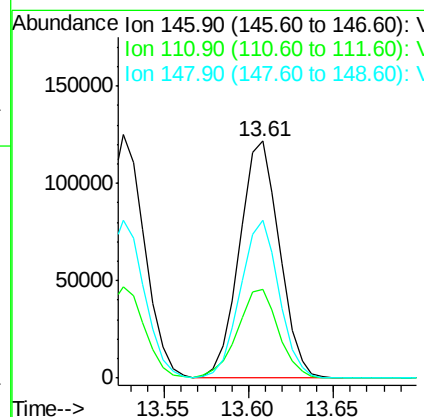
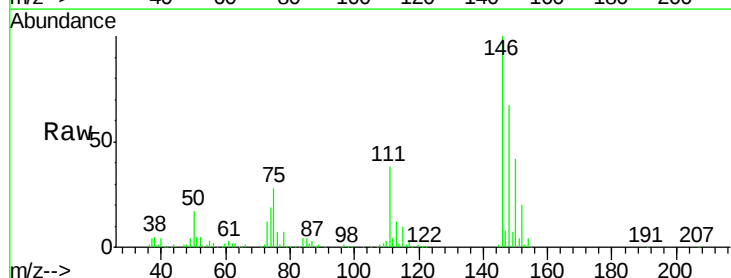
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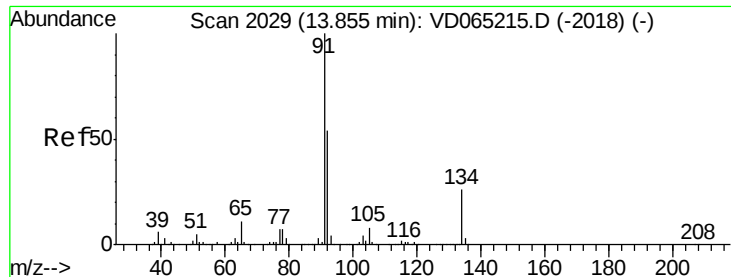
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#88
 1,4-Dichlorobenzene
 Concen: 21.009 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.4	55.2
148	64.5	32.1	96.5





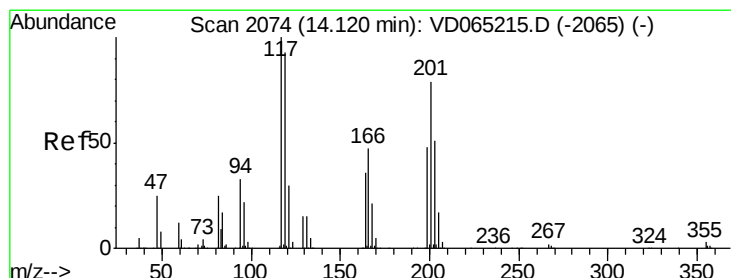
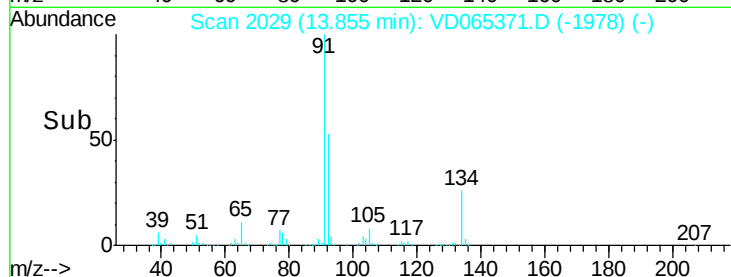
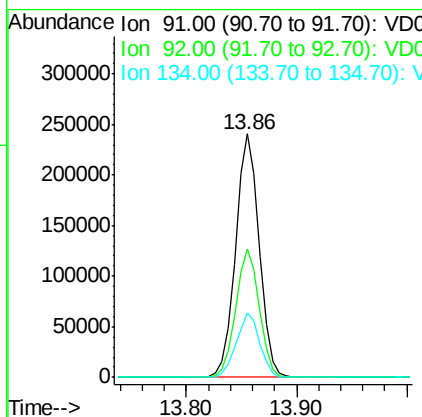
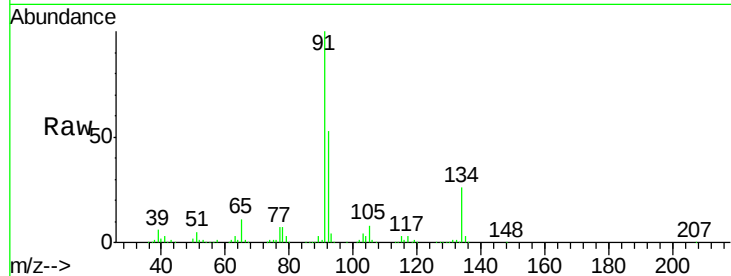
#89
n-Butylbenzene
Concen: 21.235 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	27.0	80.8
134	26.3	13.5	40.4

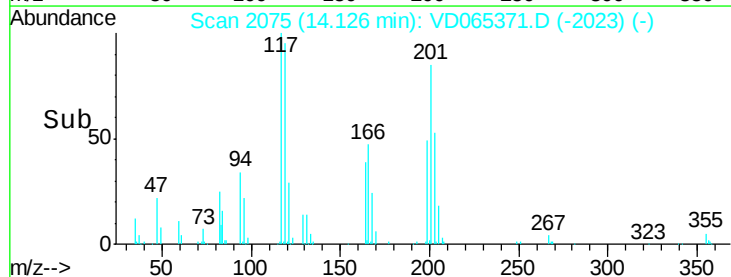
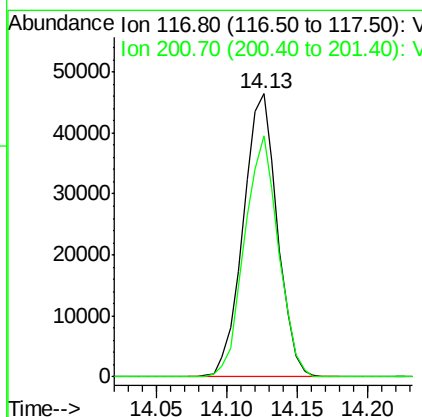
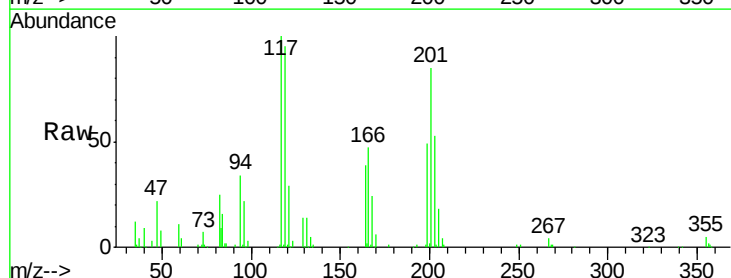
Manual Integrations
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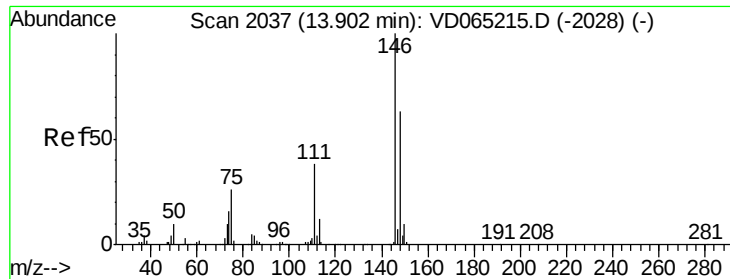
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#90
Hexachloroethane
Concen: 21.132 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.3	41.3	124.1





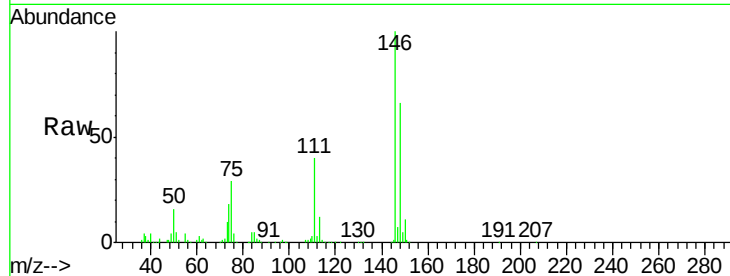
#91
 1,2-Dichlorobenzene
 Concen: 20.986 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

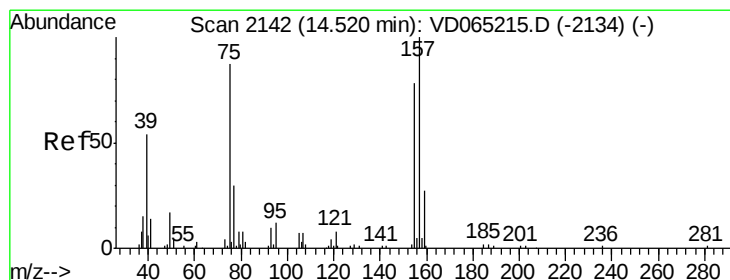
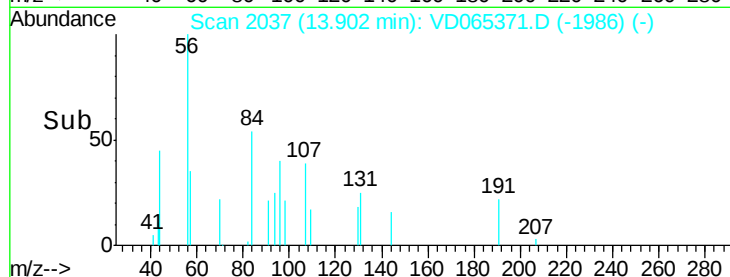
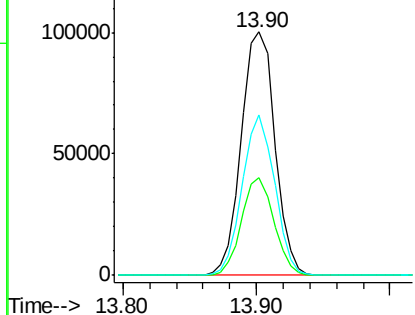
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	63.2	32.0	96.2

Manual Integrations
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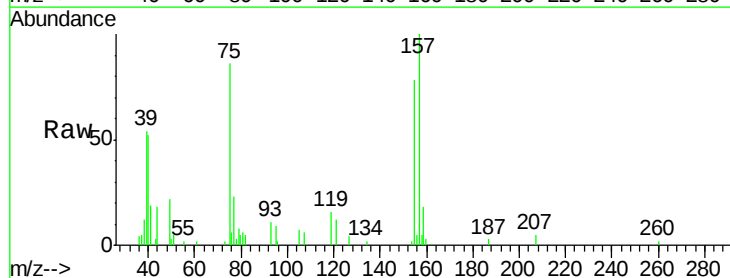


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

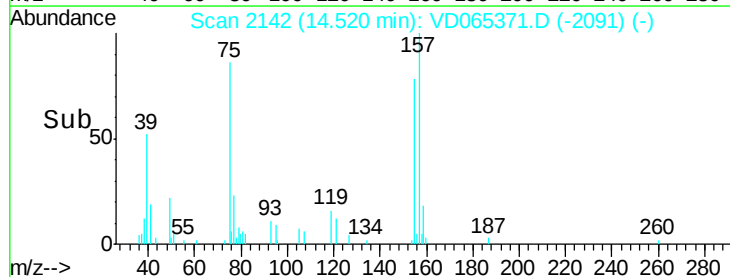
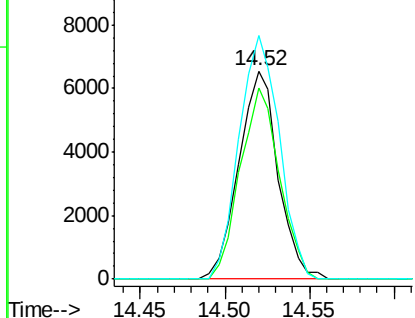


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.889 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.9	42.3	126.9
157	119.6	56.7	170.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





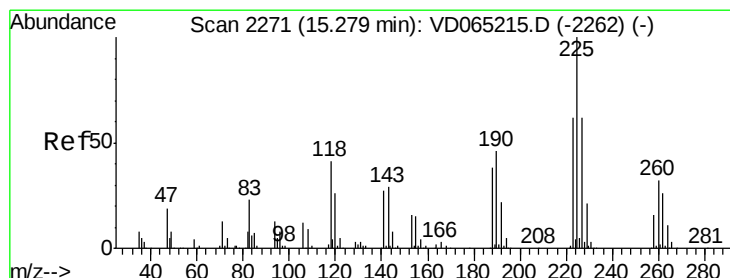
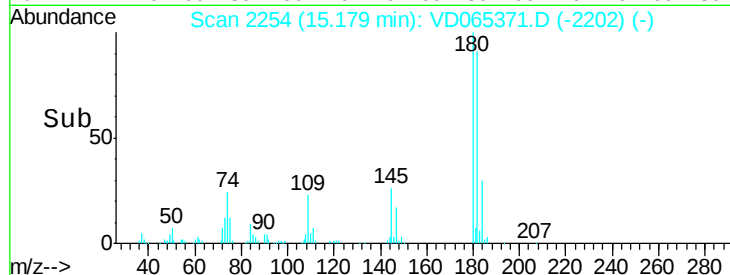
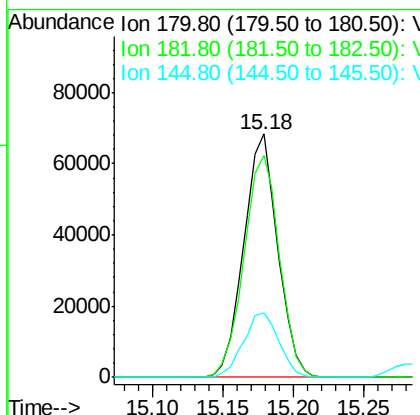
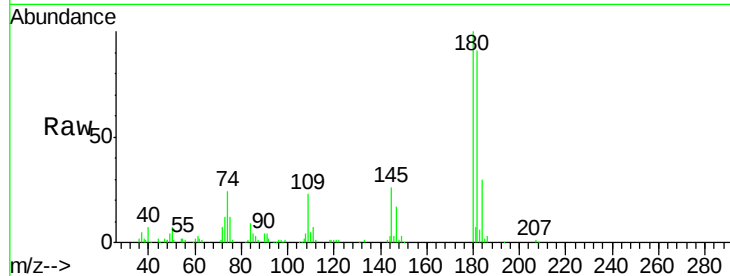
#93
 1,2,4-Trichlorobenzene
 Concen: 21.199 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	115336		
182	95.0	46.9	140.6	
145	27.8	13.9	41.7	

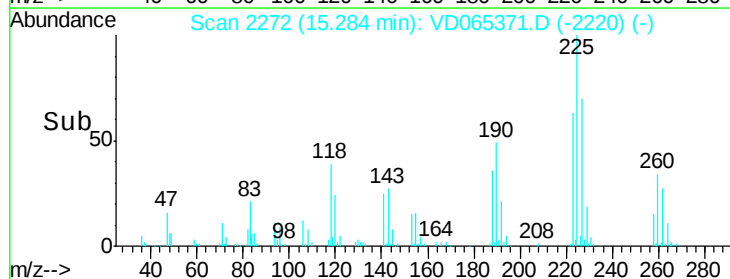
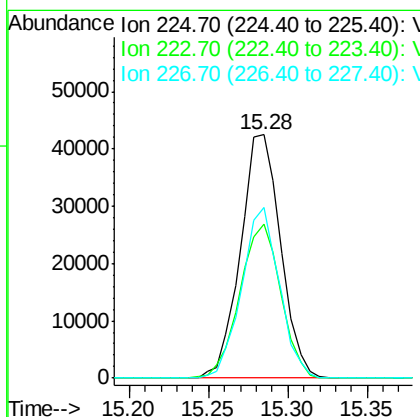
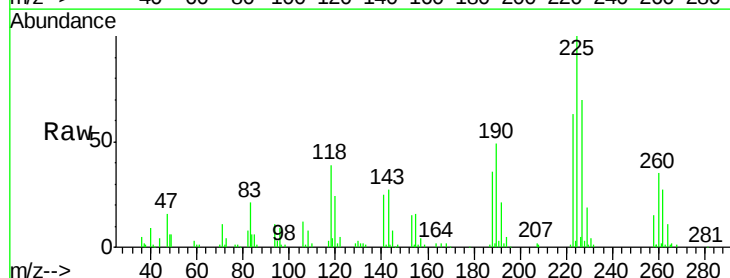
Manual Integrations
 APPROVED

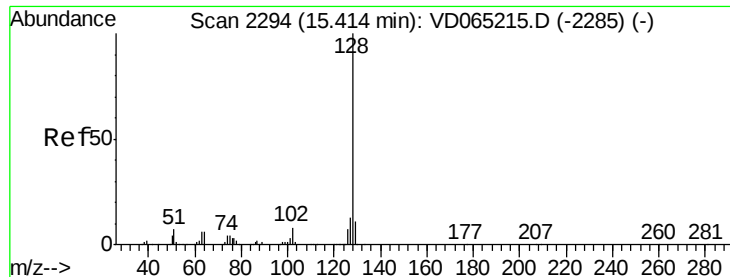
MMDadoda
 3/3/2020 11:12:02 AM



#94
 Hexachlorobutadiene
 Concen: 21.423 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	74769		
223	64.3	31.4	94.2	
227	65.6	31.7	95.1	





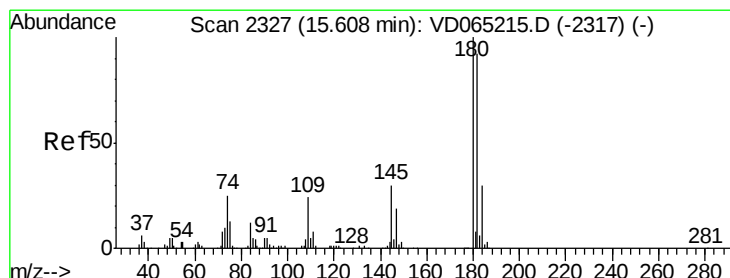
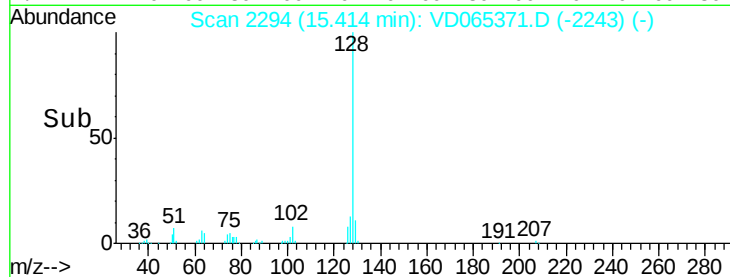
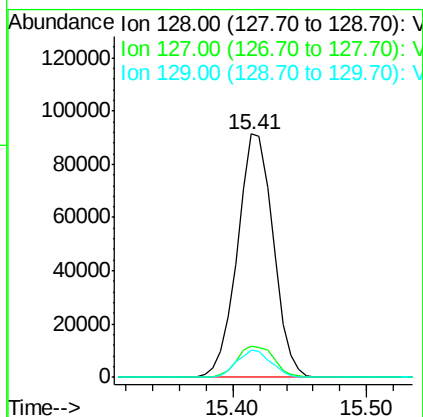
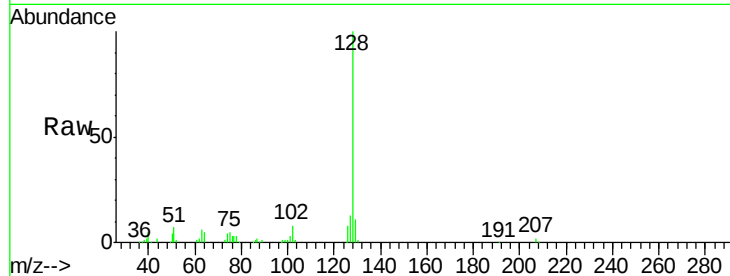
#95
Naphthalene
Concen: 19.204 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/3/2020 11:12:02 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.951 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.9	140.6
145	31.1	15.4	46.1

