

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042220\
 Data File : VD065664.D
 Acq On : 22 Apr 2020 14:10
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 4/23/2020 1:31:37 PM

Quant Time: Apr 23 04:07:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 03:30:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	218382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	319856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	298569	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	149585	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	20898	11.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	22.64%	
35) Dibromofluoromethane	7.92	113	22045	11.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	22.12%	
50) Toluene-d8	10.34	98	79415	10.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	21.54%	
62) 4-Bromofluorobenzene	12.64	95	24801	10.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	20.42%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	17395	9.889	ug/l	99
3) Chloromethane	2.21	50	20838	10.821	ug/l	99
4) Vinyl Chloride	2.35	62	23563	11.226	ug/l	97
5) Bromomethane	2.77	94	14414	12.455	ug/l	94
6) Chloroethane	2.92	64	14870	11.875	ug/l	100
7) Trichlorofluoromethane	3.27	101	34674	11.542	ug/l	94
8) Diethyl Ether	3.70	74	9974	16.319	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	22760	16.562	ug/l	98
10) Methyl Iodide	4.30	142	18994	10.239	ug/l	93
11) Tert butyl alcohol	5.24	59	5381m	52.961	ug/l	
12) 1,1-Dichloroethene	4.06	96	20218	16.361	ug/l	93
13) Acrolein	3.91	56	6414	80.471	ug/l	92
14) Allyl chloride	4.71	41	30678	13.361	ug/l	93
15) Acrylonitrile	5.43	53	23121	59.240	ug/l	98
16) Acetone	4.16	43	21006	80.249	ug/l	99
17) Carbon Disulfide	4.40	76	68136	14.172	ug/l	98
18) Methyl Acetate	4.72	43	12630	14.711	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	38719	10.697	ug/l	99
20) Methylene Chloride	4.96	84	27896	13.536	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	22786	10.916	ug/l #	94
22) Diisopropyl ether	6.36	45	60547	10.829	ug/l	92
23) Vinyl Acetate	6.31	43	156962	52.679	ug/l	99
24) 1,1-Dichloroethane	6.26	63	40432	11.345	ug/l	98
25) 2-Butanone	7.23	43	27141	56.863	ug/l	91
26) 2,2-Dichloropropane	7.20	77	35489	11.436	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	23839	10.972	ug/l	100
28) Bromochloromethane	7.54	49	15773	10.841	ug/l	99
29) Tetrahydrofuran	7.57	42	16480	54.456	ug/l	98
30) Chloroform	7.71	83	42468	11.698	ug/l	97
31) Cyclohexane	7.98	56	36711	10.812	ug/l #	89
32) 1,1,1-Trichloroethane	7.90	97	37820	11.531	ug/l	100
36) 1,1-Dichloropropene	8.11	75	31773	10.499	ug/l	100
37) Ethyl Acetate	7.30	43	13268	11.147	ug/l	97
38) Carbon Tetrachloride	8.10	117	36124	11.189	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	33648	9.630	ug/l	99
40) Benzene	8.35	78	90316	10.426	ug/l	93
41) Methacrylonitrile	7.52	41	6621m	10.550	ug/l	
42) 1,2-Dichloroethane	8.43	62	26519	11.215	ug/l	99
43) Isopropyl Acetate	8.46	43	22504	10.453	ug/l	99
44) Trichloroethene	9.11	130	25749	10.609	ug/l	93
45) 1,2-Dichloropropane	9.39	63	21993	10.385	ug/l	95
46) Dibromomethane	9.48	93	12008	10.960	ug/l	99
47) Bromodichloromethane	9.67	83	32278	11.094	ug/l	94
48) Methyl methacrylate	9.46	41	9856	9.579	ug/l #	92
49) 1,4-Dioxane	9.47	88	2600	215.115	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	56534	51.840	ug/l	96
52) Toluene	10.41	92	56261	10.523	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	27293	10.336	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	32403	10.033	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	16760	10.932	ug/l	97
56) Ethyl methacrylate	10.66	69	16227	9.863	ug/l	94
57) 1,3-Dichloropropane	10.95	76	28170	10.789	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	39931	45.909	ug/l	99
59) 2-Hexanone	10.99	43	37346	50.473	ug/l	99
60) Dibromochloromethane	11.14	129	21403	10.508	ug/l	95
61) 1,2-Dibromoethane	11.25	107	15635	10.541	ug/l	99
64) Tetrachloroethene	10.88	164	22899	11.084	ug/l	98
65) Chlorobenzene	11.67	112	63158	11.016	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	23380	10.671	ug/l	97
67) Ethyl Benzene	11.75	91	99375	10.144	ug/l	100
68) m/p-Xylenes	11.86	106	78440	20.699	ug/l	99
69) o-Xylene	12.18	106	31383	9.506	ug/l	99
70) Styrene	12.20	104	58069	9.927	ug/l	99
71) Bromoform	12.37	173	13809	11.253	ug/l #	100
73) Isopropylbenzene	12.48	105	90488	10.376	ug/l	100
74) N-amyl acetate	12.30	43	18952	10.315	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	18928	11.990	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	12314m	10.914	ug/l	
77) Bromobenzene	12.77	156	24979	10.822	ug/l	97
78) n-propylbenzene	12.83	91	110937	10.513	ug/l	99
79) 2-Chlorotoluene	12.91	91	64810	10.796	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	77208	10.481	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	5637	10.670	ug/l	93
82) 4-Chlorotoluene	13.01	91	71248	11.024	ug/l	98
83) tert-Butylbenzene	13.23	119	61105	9.903	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	75979	10.355	ug/l	97
85) sec-Butylbenzene	13.41	105	90309	10.220	ug/l	100
86) p-Isopropyltoluene	13.53	119	79943	9.630	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	48517	10.685	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	51325	11.374	ug/l	97
89) n-Butylbenzene	13.86	91	75468	10.031	ug/l	96
90) Hexachloroethane	14.12	117	19907	11.402	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	44794	11.537	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2790	11.652	ug/l	86

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ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Thu Apr 23 03:30:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	27085	10.174	ug/l	97
94) Hexachlorobutadiene	15.28	225	19990	10.898	ug/l	98
95) Naphthalene	15.41	128	38258	9.800	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	24361	10.408	ug/l	98

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

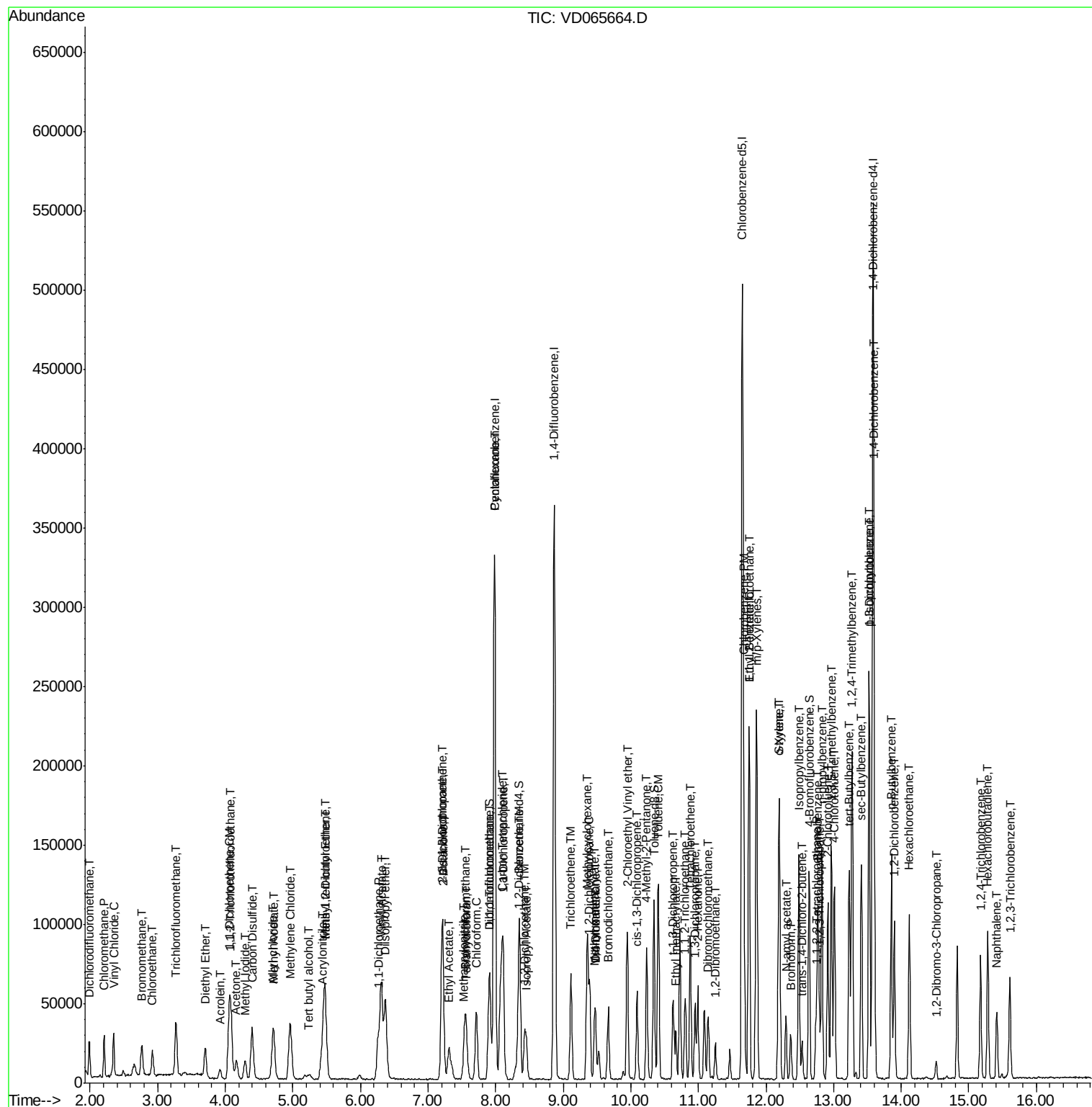
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042220\
Data File : VD065664.D
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Operator : VA/SY
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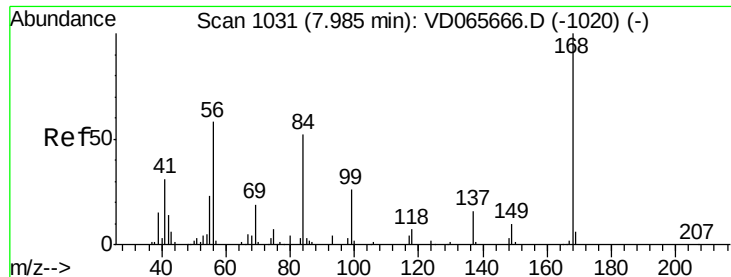
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 218382

Ion Ratio Lower Upper

168 100

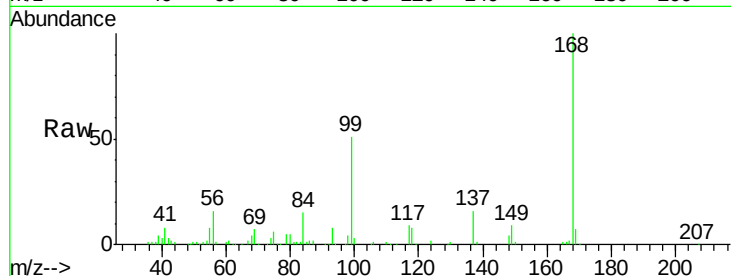
99 50.6 39.0 58.6

Manual Integrations

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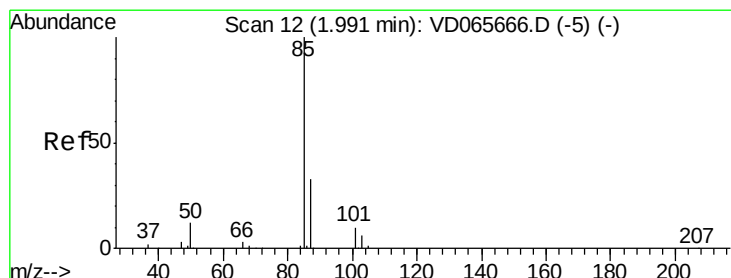
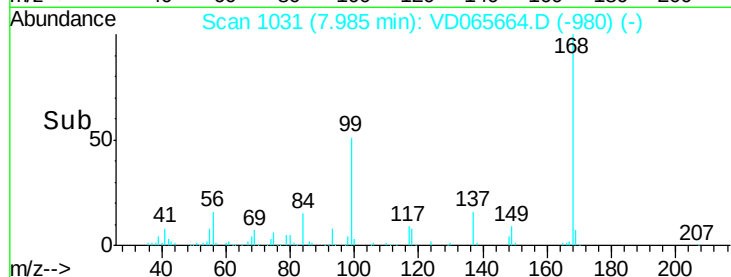
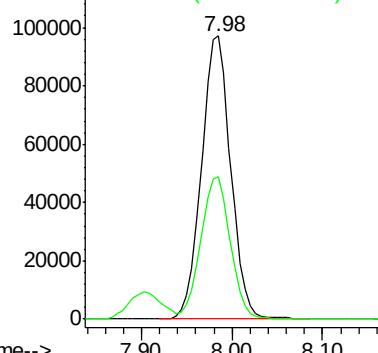
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 9.889 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065664.D

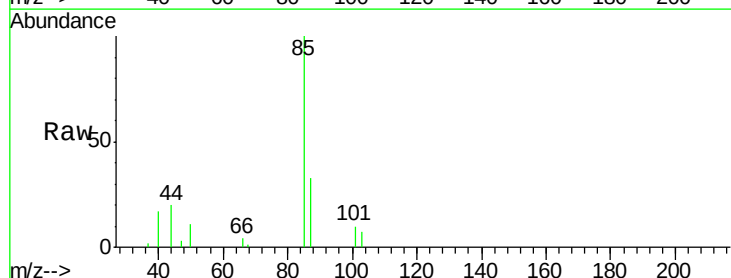
Acq: 22 Apr 2020 14:10

Tgt Ion: 85 Resp: 17395

Ion Ratio Lower Upper

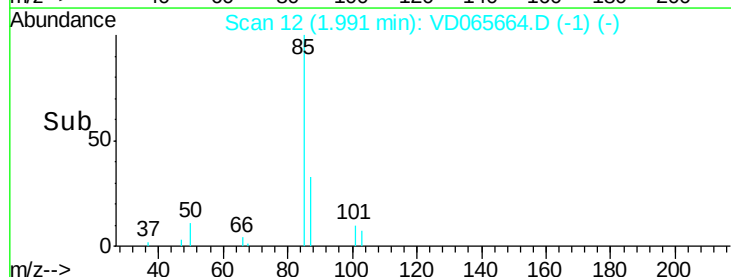
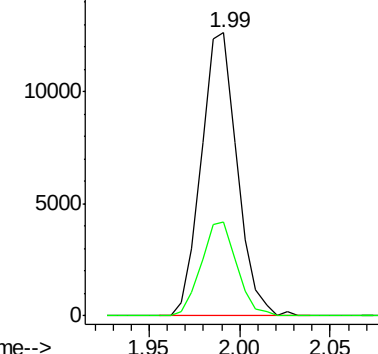
85 100

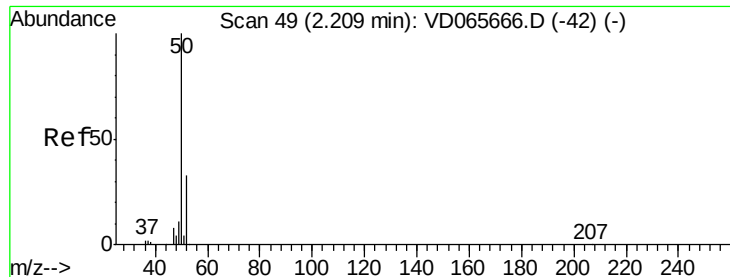
87 33.0 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 10.821 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Tot Ion: 50 Resp: 20838

Ion Ratio Lower Upper

50 100

52 32.7 26.6 39.8

Instrument :

MSVOA_D

ClientSampleId :

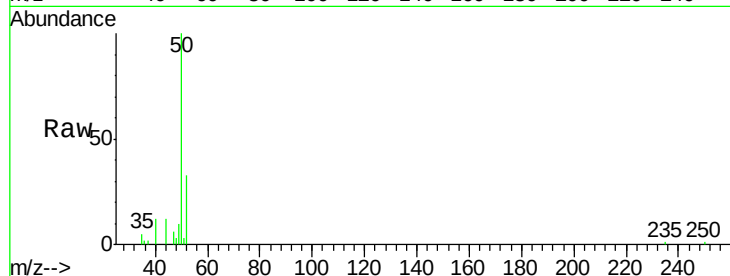
VSTDIC010

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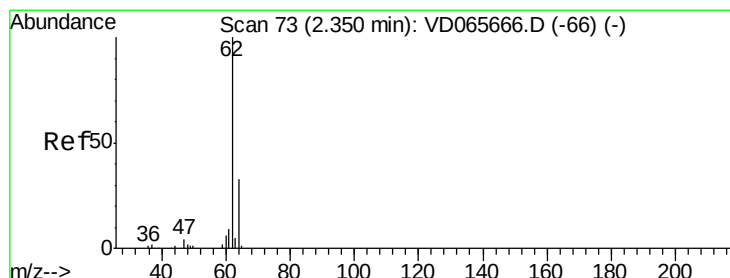
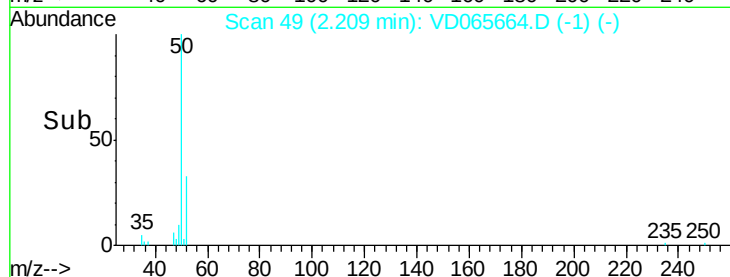
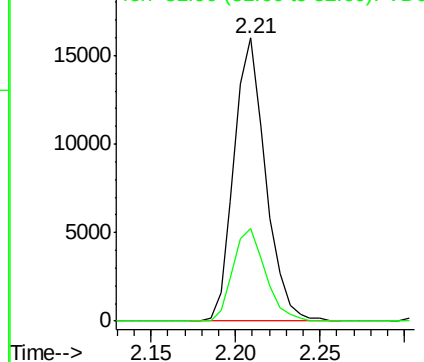
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 11.226 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065664.D

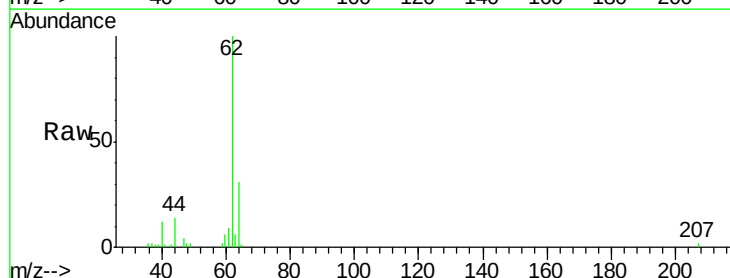
Acq: 22 Apr 2020 14:10

Tgt Ion: 62 Resp: 23563

Ion Ratio Lower Upper

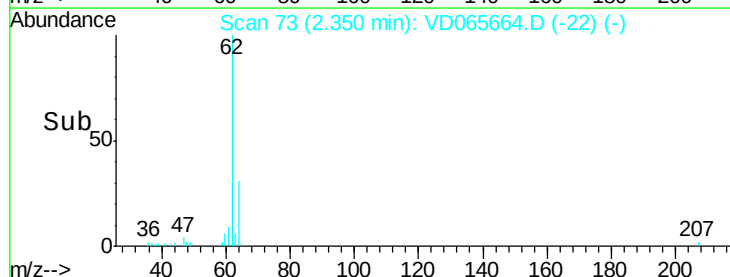
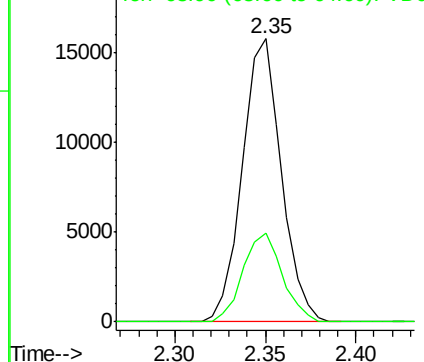
62 100

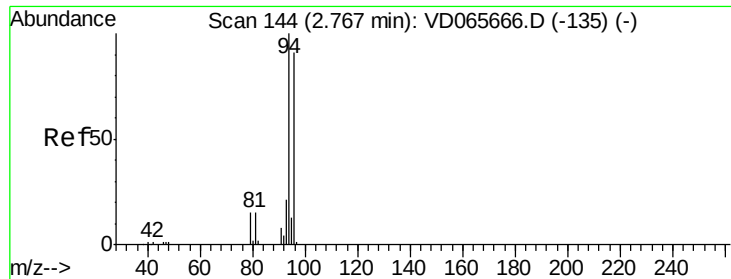
64 31.3 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 12.455 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 14414

Ion Ratio Lower Upper

94 100

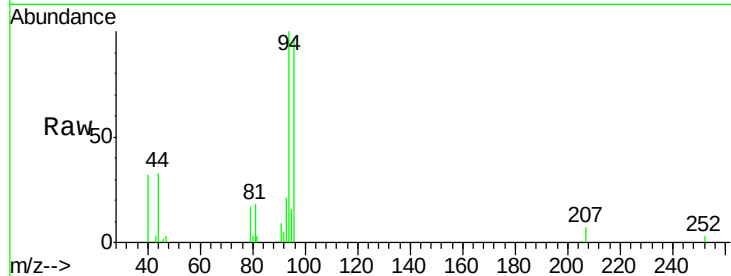
96 96.6 72.4 108.6

Manual Integrations

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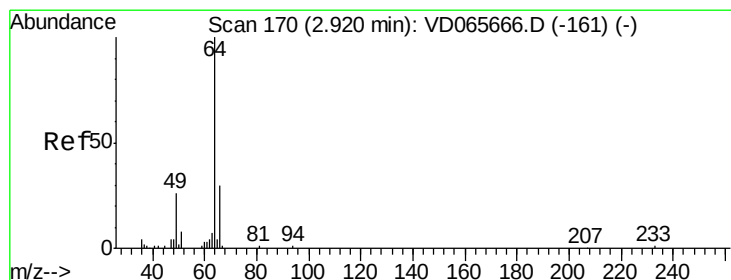
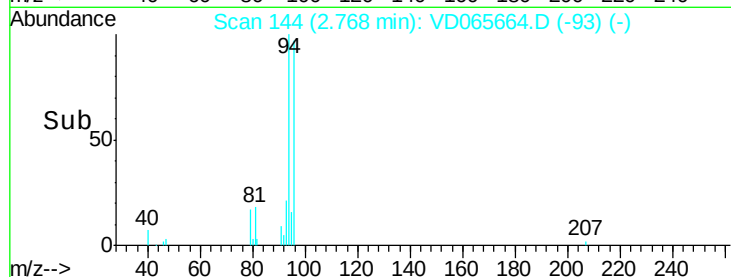
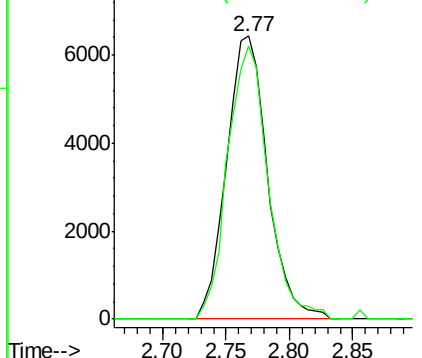
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 11.875 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065664.D

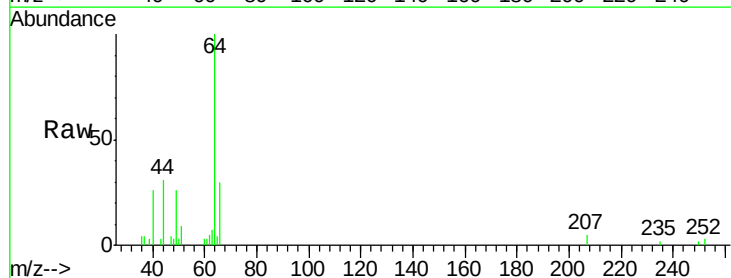
Acq: 22 Apr 2020 14:10

Tgt Ion: 64 Resp: 14870

Ion Ratio Lower Upper

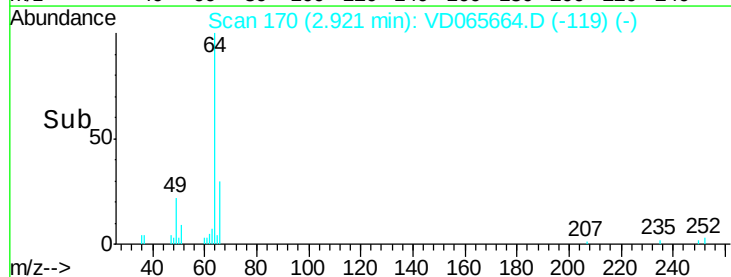
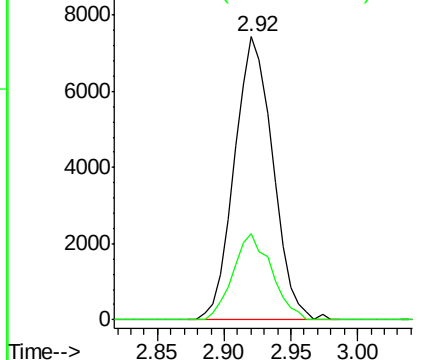
64 100

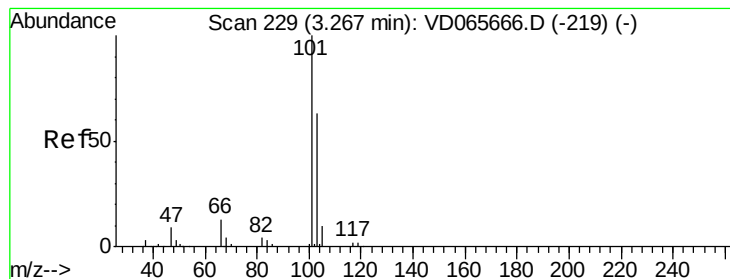
66 30.5 24.2 36.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

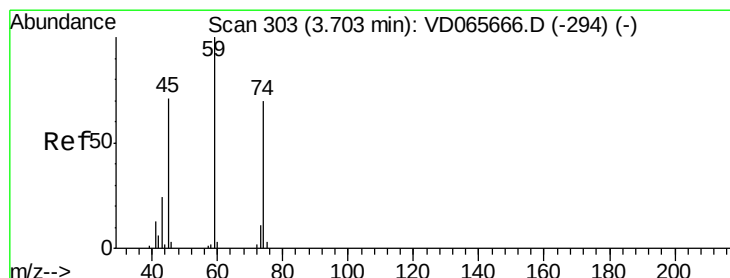
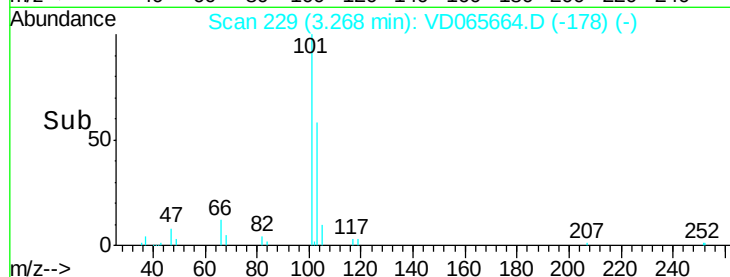
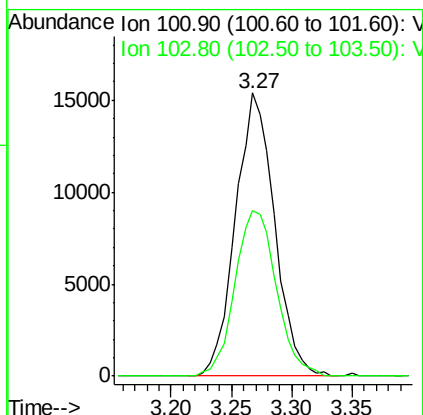
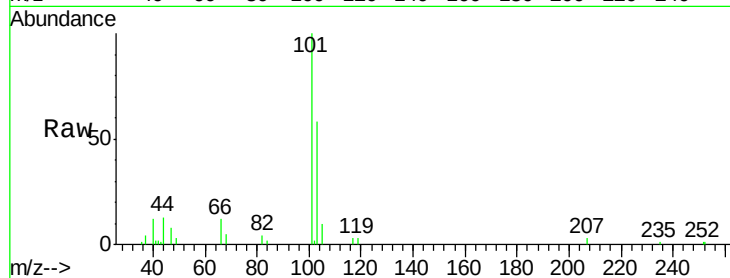
Trichlorofluoromethane
Concen: 11.542 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

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Tot Ion	Ratio	Lower	Upper
101	100		
103	58.4	50.2	75.2

Manual Integrations
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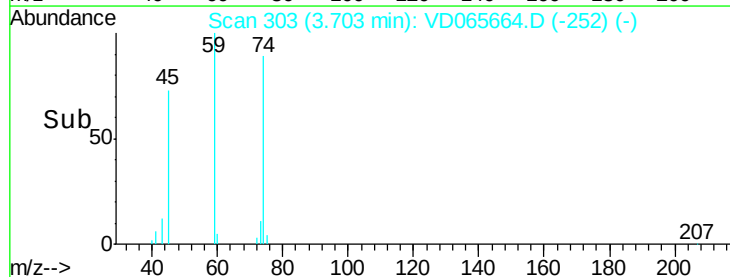
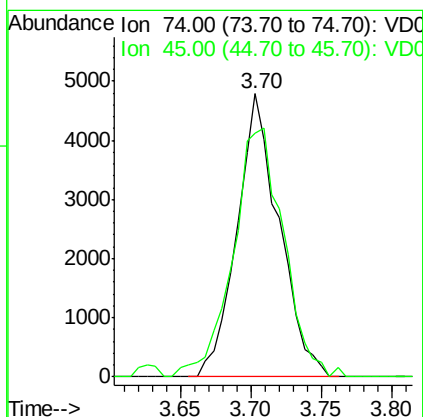
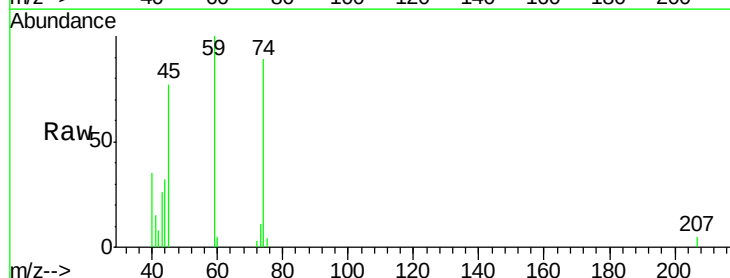
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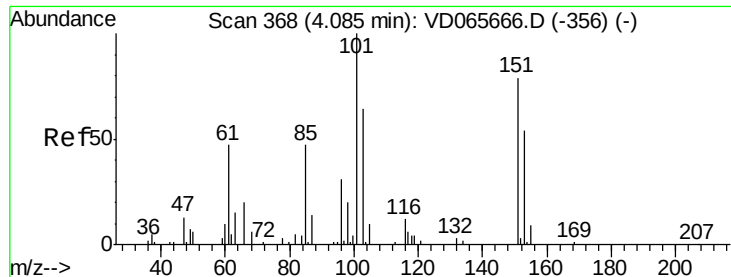


#8

Diethyl Ether
Concen: 16.319 ug/l
RT: 3.70 min Scan# 303
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.7	51.0	153.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.562 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

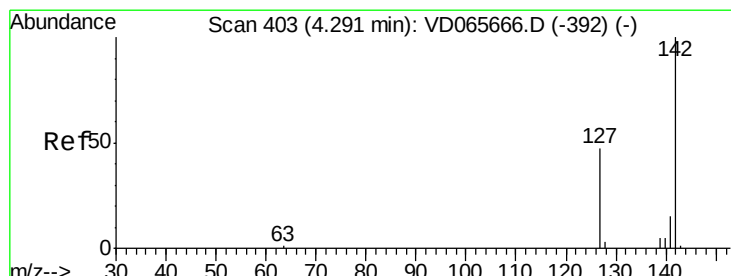
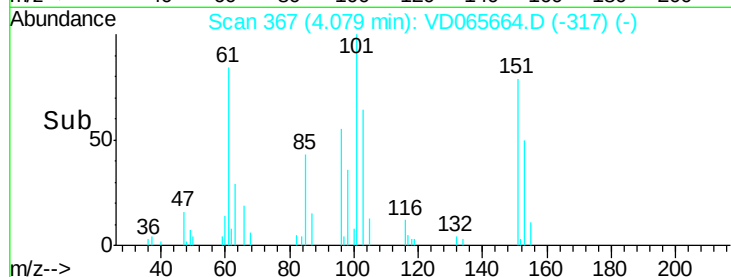
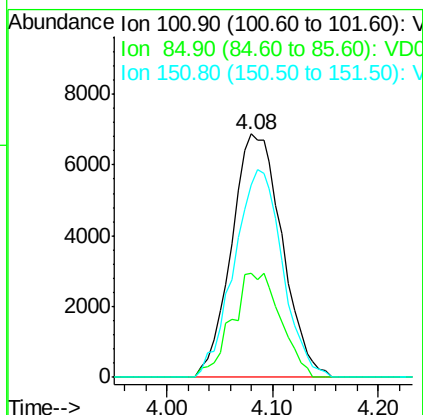
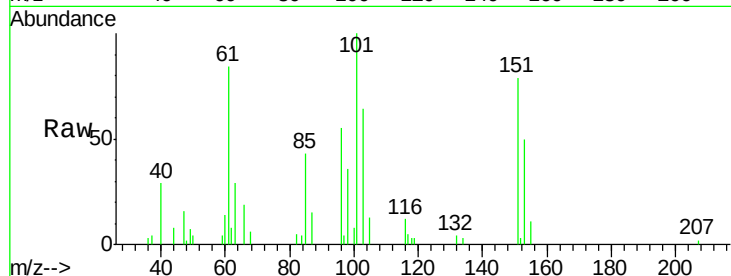
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	22760
Ion Ratio	Lower	Upper	
101	100		
85	41.4	35.6	53.4
151	82.0	65.4	98.0

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#10

Methyl Iodide

Concen: 10.239 ug/l

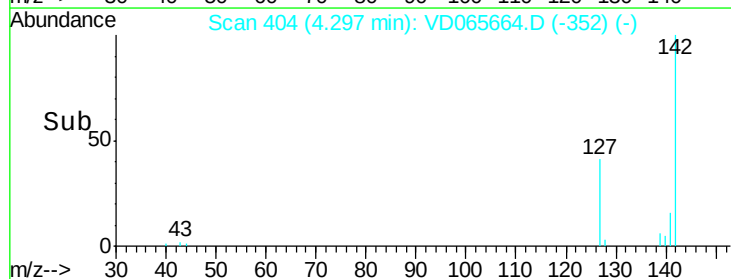
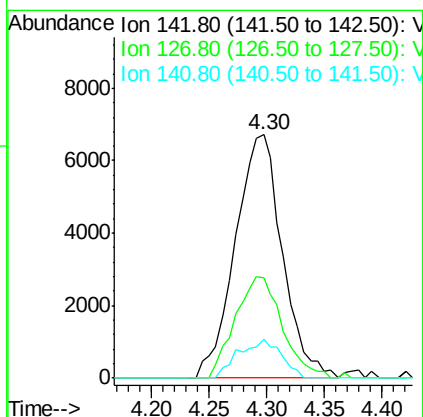
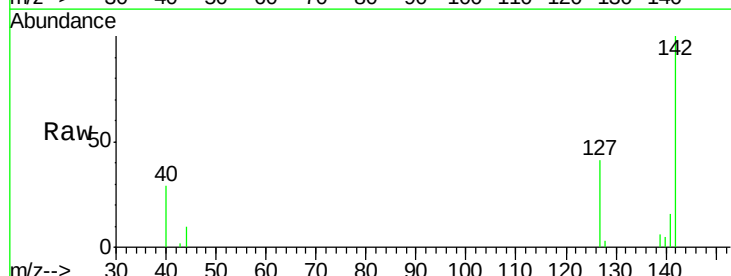
RT: 4.30 min Scan# 404

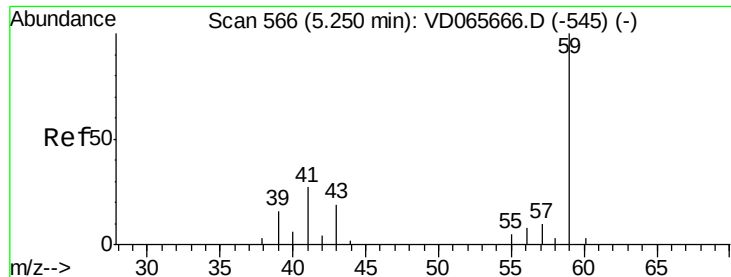
Delta R.T. 0.01 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Tgt Ion:	142	Resp:	18994
Ion Ratio	Lower	Upper	
142	100		
127	41.6	38.2	57.2
141	14.3	12.1	18.1





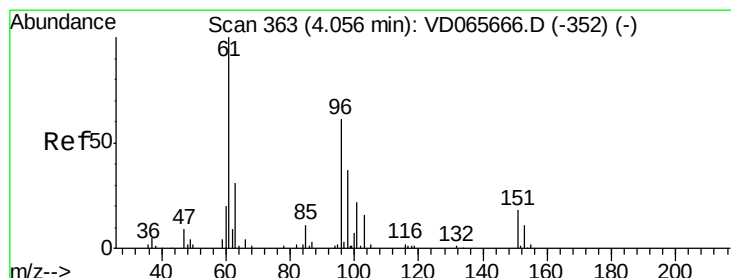
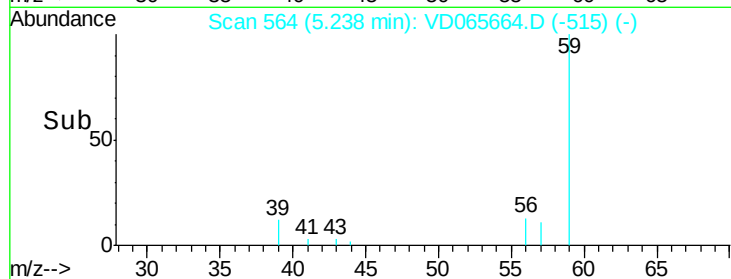
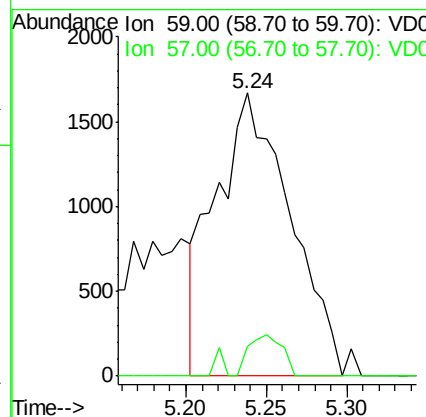
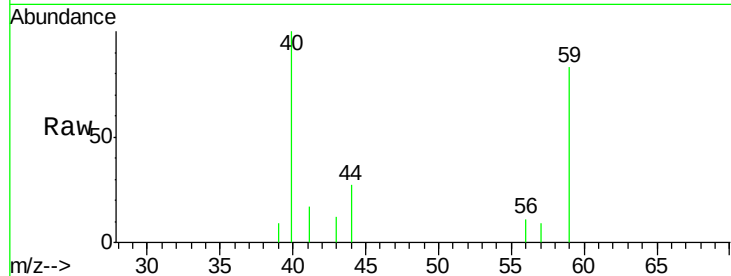
#11
Tert butyl alcohol
Concen: 52.961 ug/l m
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	5381		
57	57	6.5		7.5	11.3#

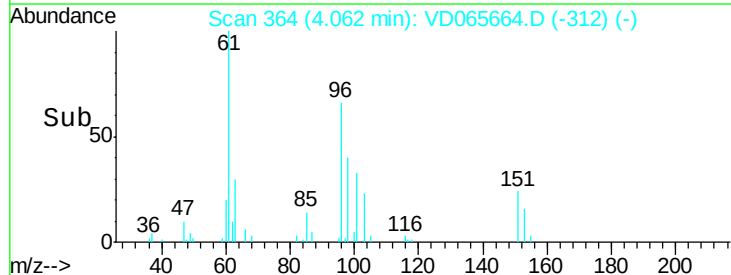
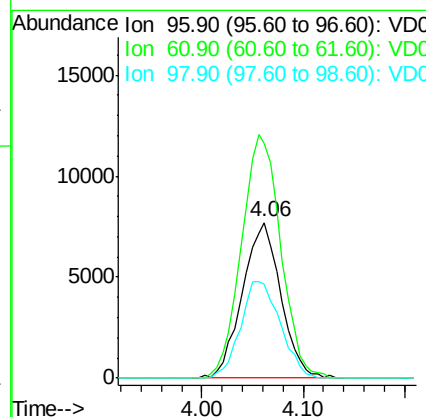
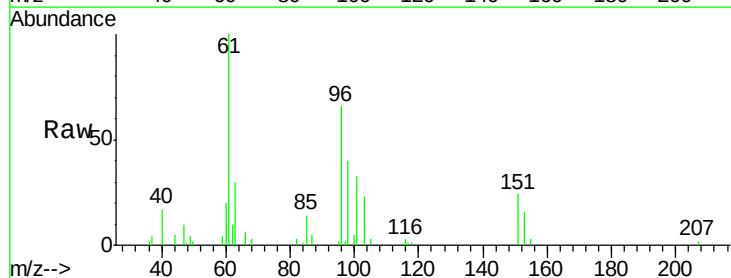
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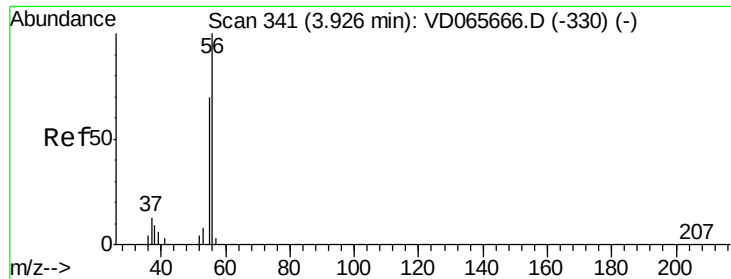
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#12
1,1-Dichloroethene
Concen: 16.361 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	20218		
61	61	151.3		131.8	197.6
98	98	60.3		48.2	72.4





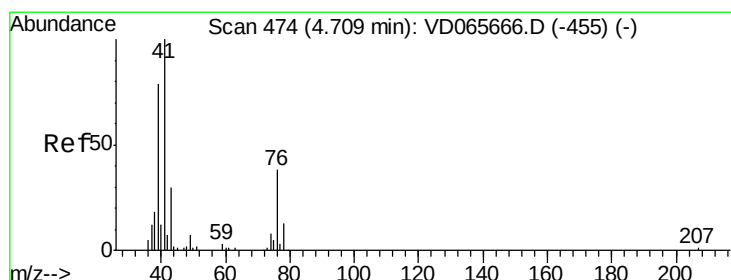
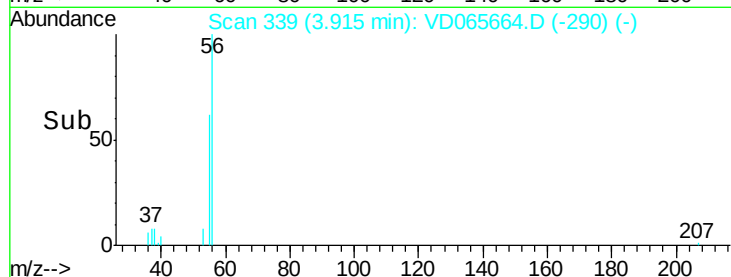
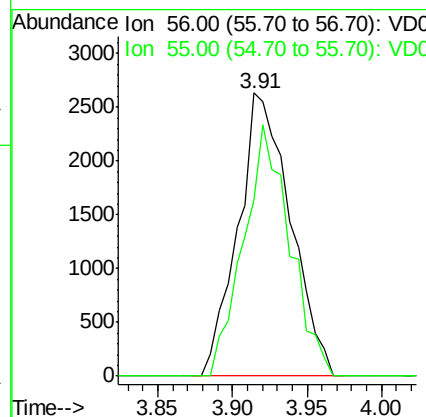
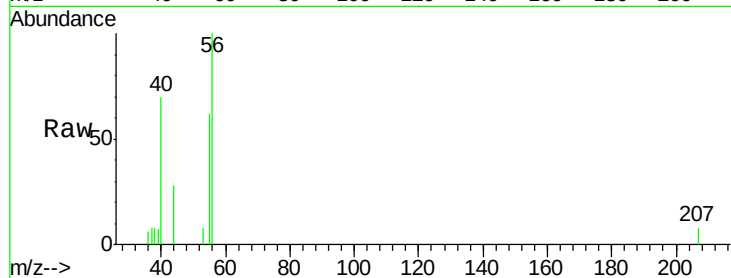
#13
 Acrolein
 Concen: 80.471 ug/l
 RT: 3.91 min Scan# 339
 Delta R.T. -0.01 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 56 Resp: 6414
 Ion Ratio Lower Upper
 56 100
 55 78.1 57.3 85.9

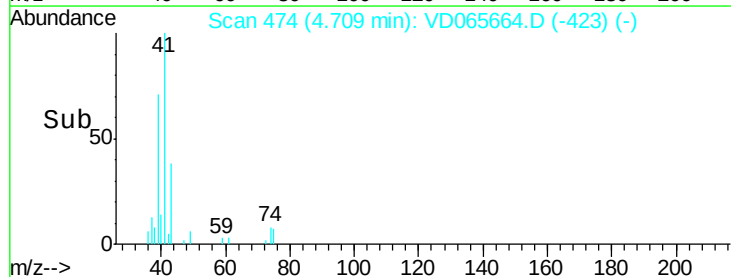
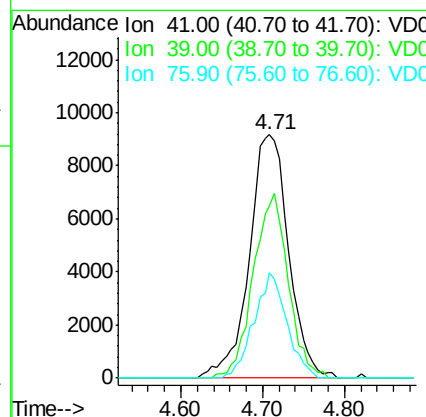
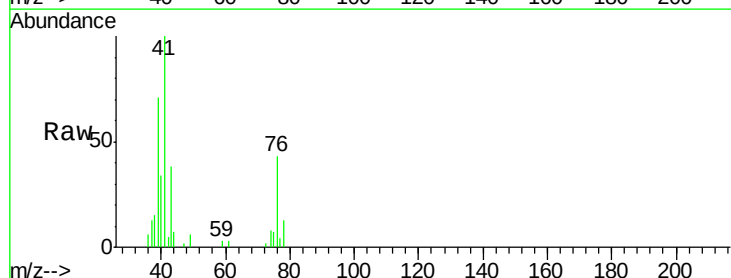
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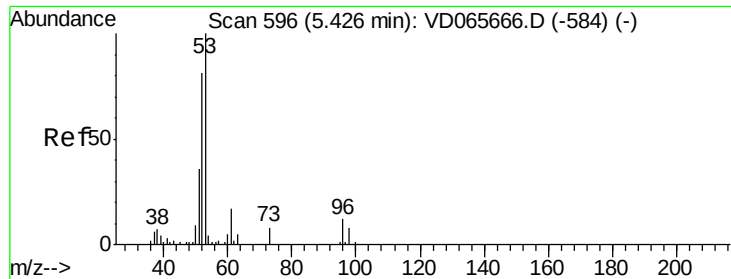
MMDadoda
 4/23/2020 1:31:37 PM



#14
 Allyl chloride
 Concen: 13.361 ug/l
 RT: 4.71 min Scan# 474
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Tgt Ion: 41 Resp: 30678
 Ion Ratio Lower Upper
 41 100
 39 67.1 60.7 91.1
 76 36.2 29.3 43.9





#15

Acrylonitrile

Concen: 59.240 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

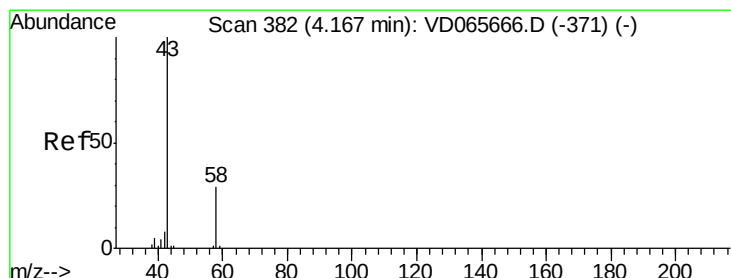
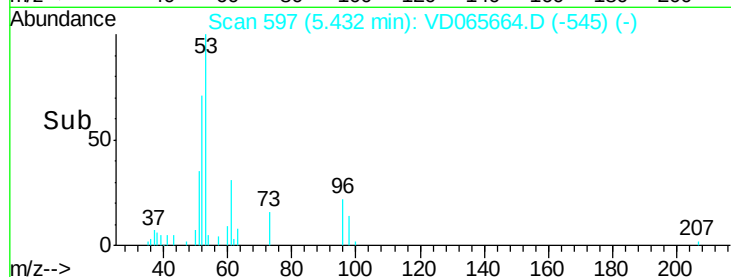
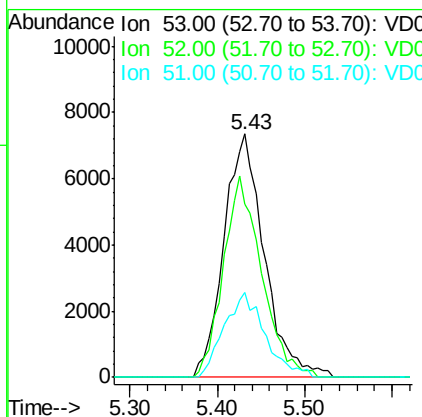
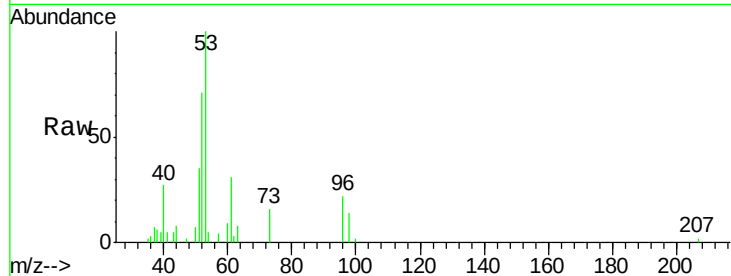
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	23121
Ion Ratio	Lower	Upper	
53	100		
52	78.3	64.2	96.2
51	35.3	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 80.249 ug/l

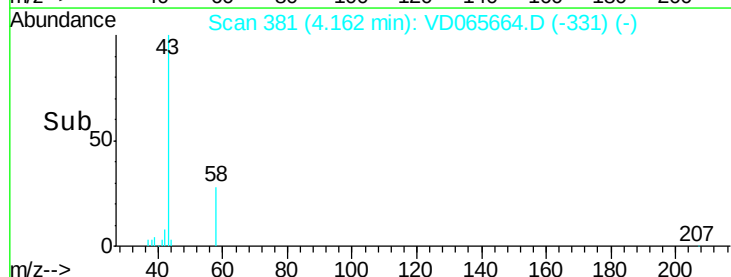
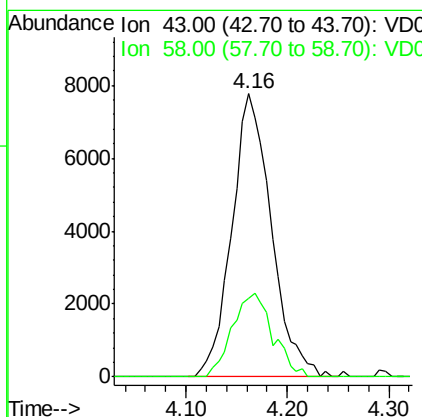
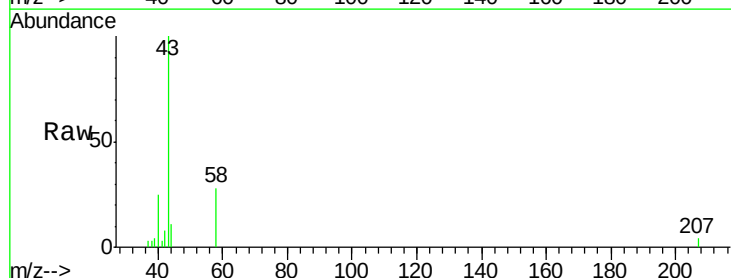
RT: 4.16 min Scan# 381

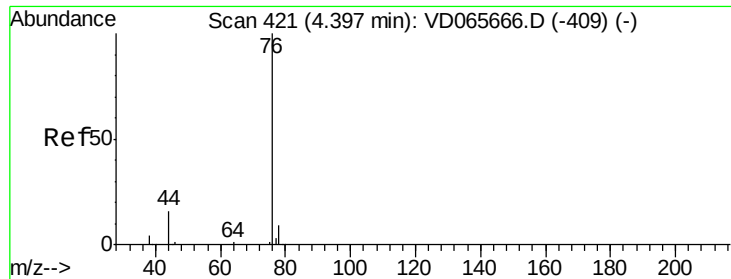
Delta R.T. -0.01 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Tgt Ion:	43	Resp:	21006
Ion Ratio	Lower	Upper	
43	100		
58	27.8	22.6	34.0





#17

Carbon Disulfide

Concen: 14.172 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 68136

Ion Ratio Lower Upper

76 100

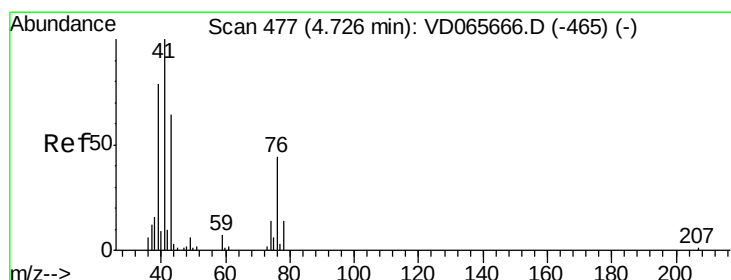
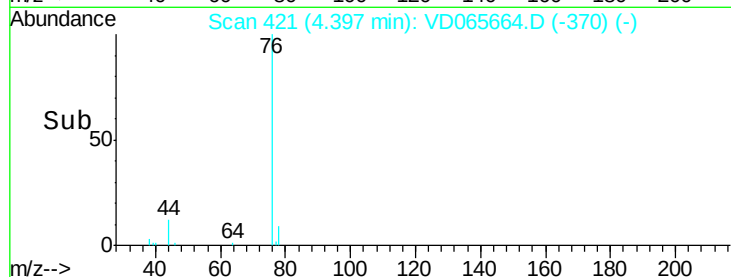
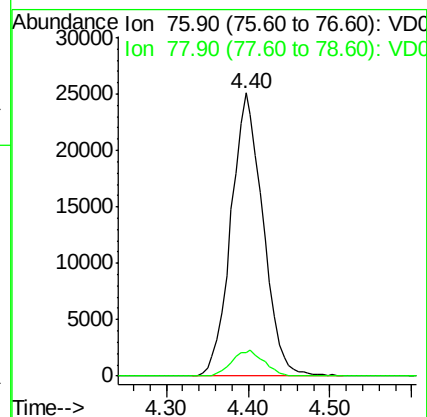
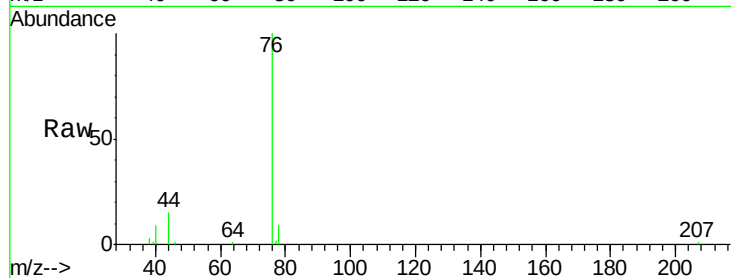
78 8.5 7.4 11.0

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#18

Methyl Acetate

Concen: 14.711 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065664.D

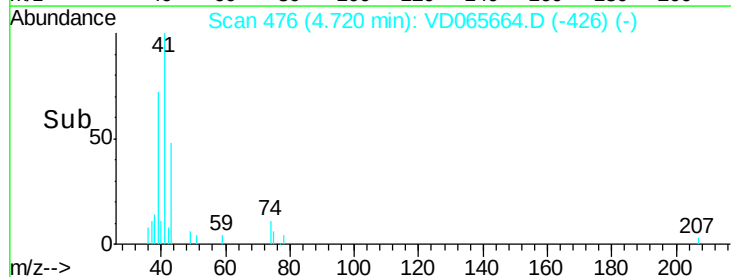
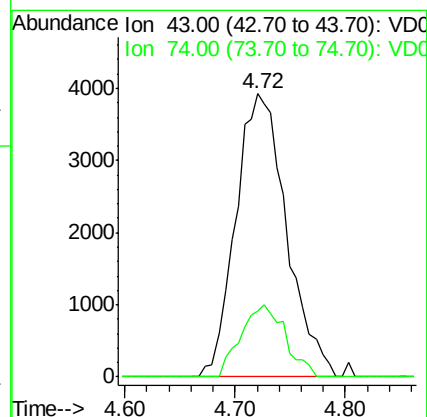
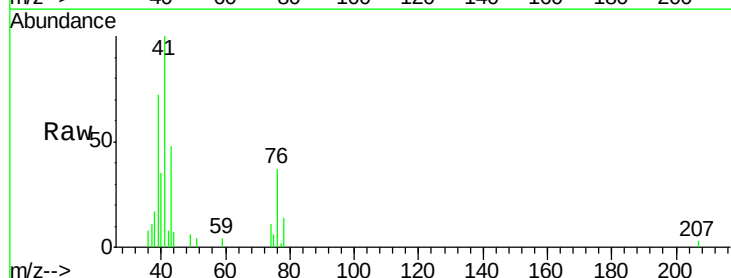
Acq: 22 Apr 2020 14:10

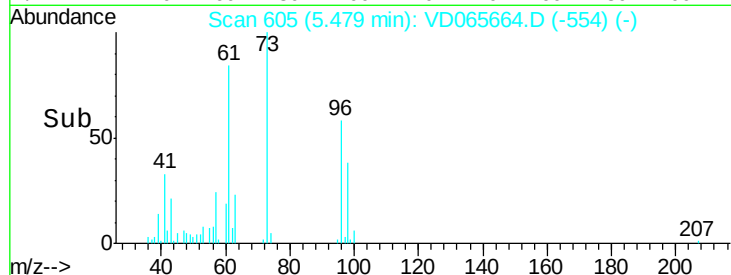
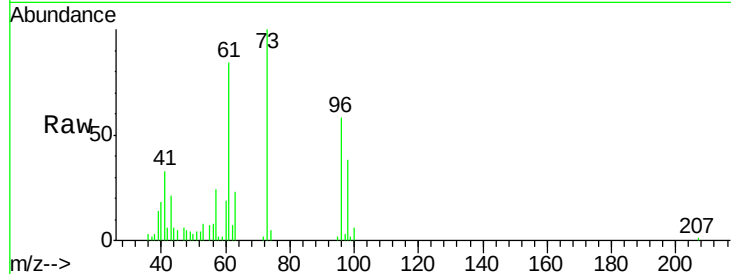
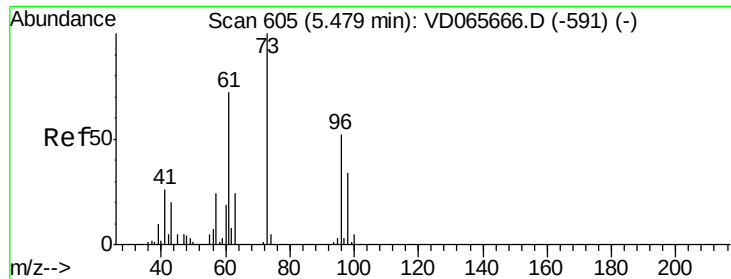
Tgt Ion: 43 Resp: 12630

Ion Ratio Lower Upper

43 100

74 22.3 18.6 28.0





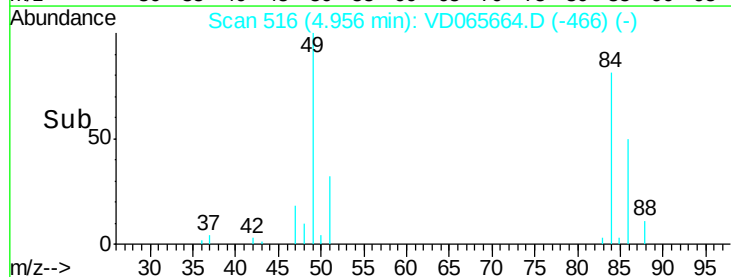
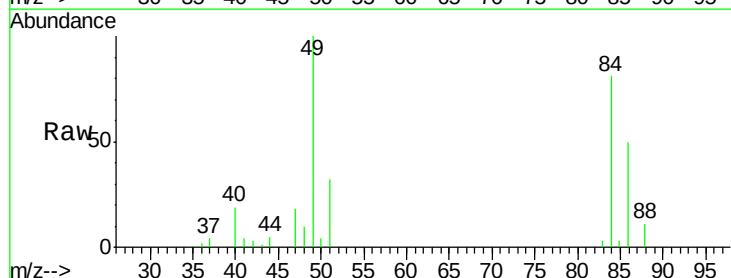
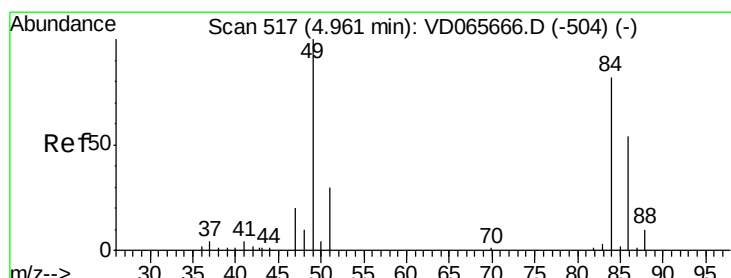
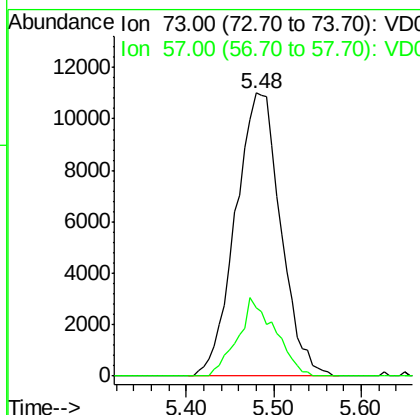
#19
Methyl tert-butyl Ether
Concen: 10.697 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tot Ion: 73 Resp: 38719
Ion Ratio Lower Upper
73 100
57 24.0 19.6 29.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

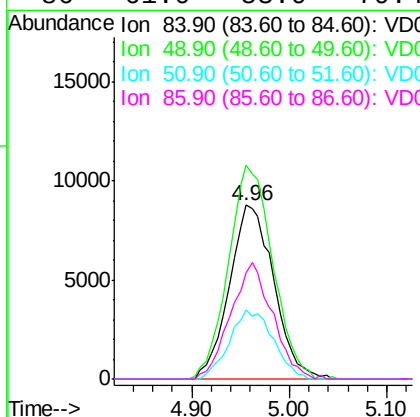
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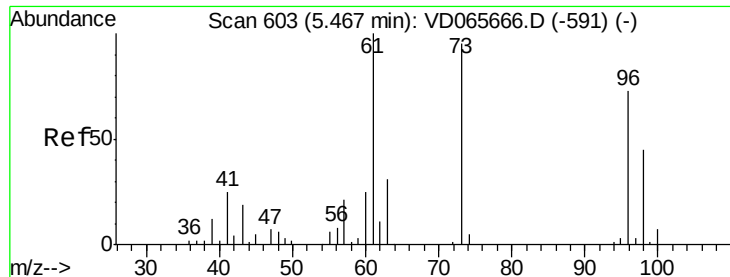
MMDadoda
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#20
Methylene Chloride
Concen: 13.536 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion: 84 Resp: 27896
Ion Ratio Lower Upper
84 100
49 122.8 97.7 146.5
51 39.6 29.4 44.2
86 61.0 53.0 79.4





#21

trans-1,2-Dichloroethene

Concen: 10.916 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 96 Resp: 22786

Ion Ratio Lower Upper

96 100

61 136.0 109.6 164.4

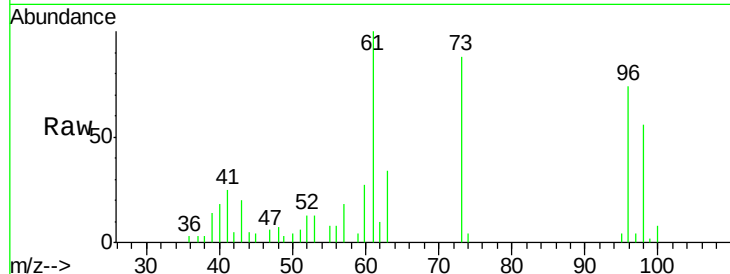
98 75.7 49.3 73.9#

Manual Integrations

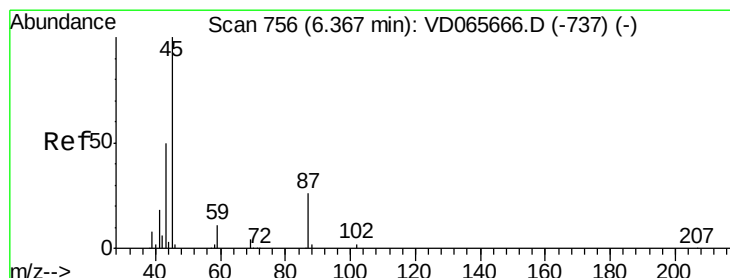
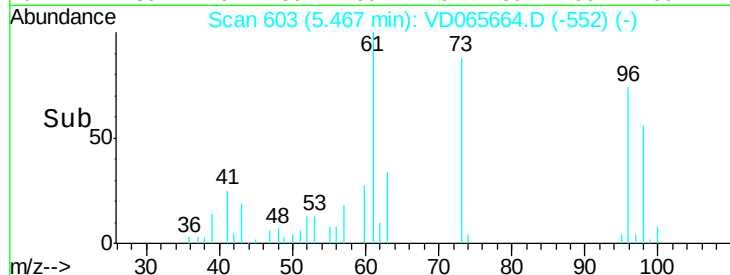
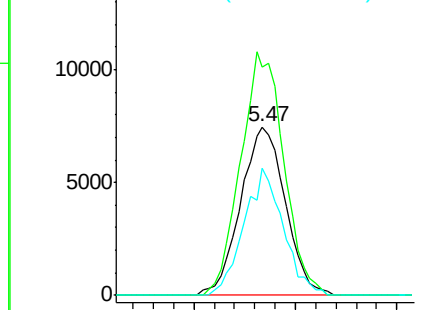
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 10.829 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Tgt Ion: 45 Resp: 60547

Ion Ratio Lower Upper

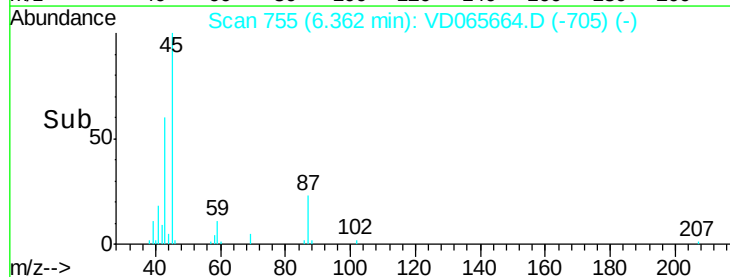
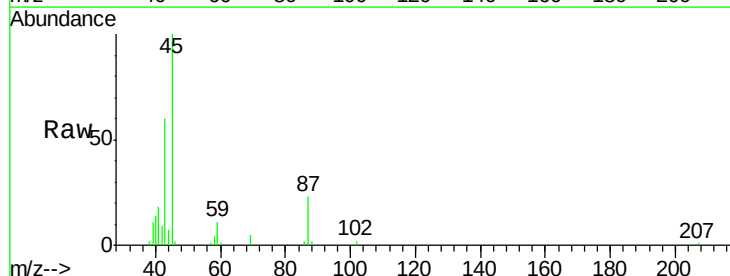
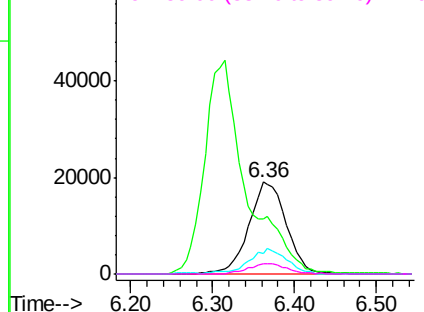
45 100

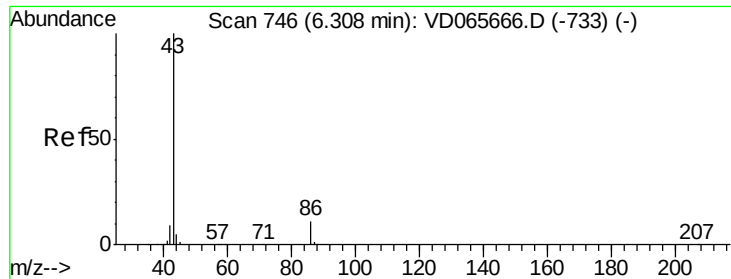
43 59.3 41.9 62.9

87 22.7 21.6 32.4

59 11.2 9.3 13.9

Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 52.679 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 156962

Ion Ratio Lower Upper

43 100

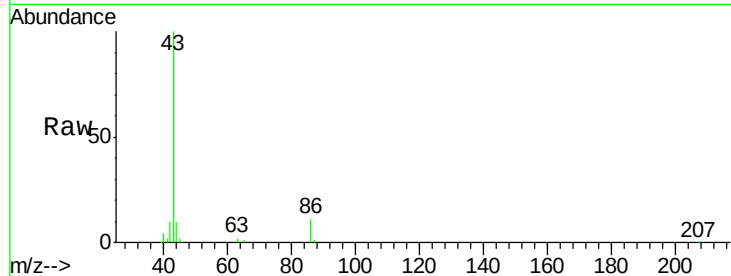
86 10.7 8.7 13.1

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

50000

40000

30000

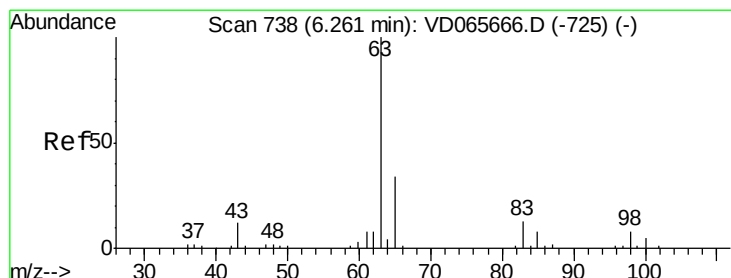
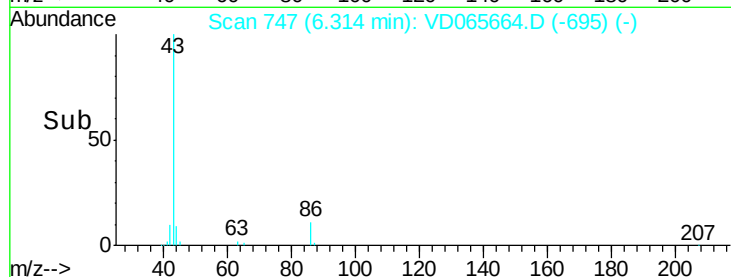
20000

10000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 11.345 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

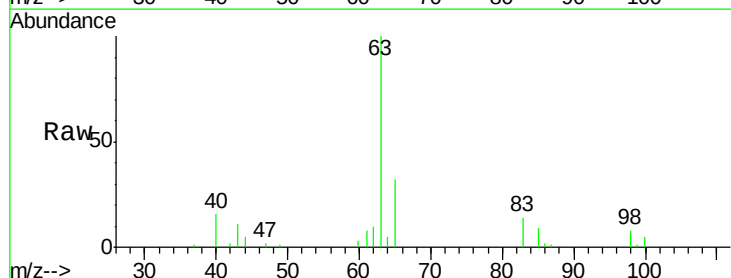
Tgt Ion: 63 Resp: 40432

Ion Ratio Lower Upper

63 100

98 8.4 3.8 11.2

100 4.7 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

15000

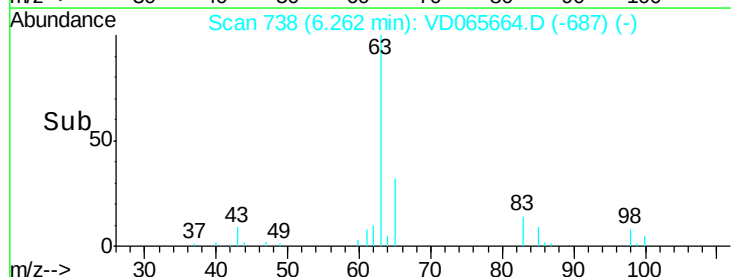
10000

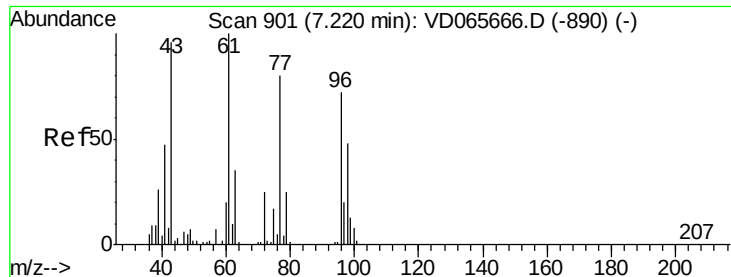
5000

0

6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 56.863 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 27141

Ion Ratio Lower Upper

43 100

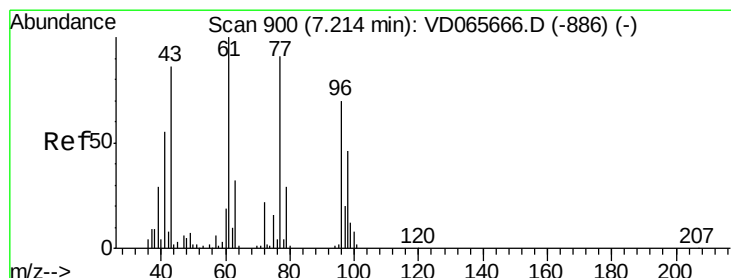
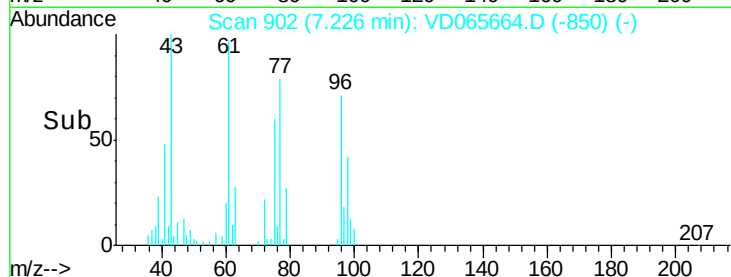
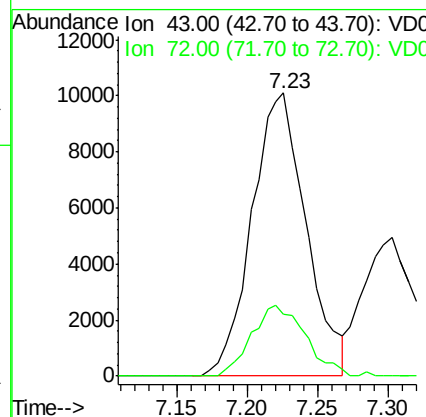
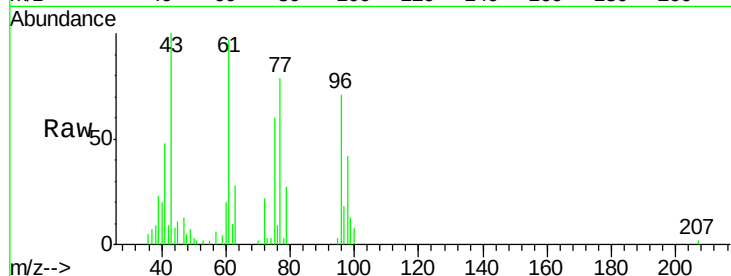
72 21.7 21.1 31.7

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 11.436 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD065664.D

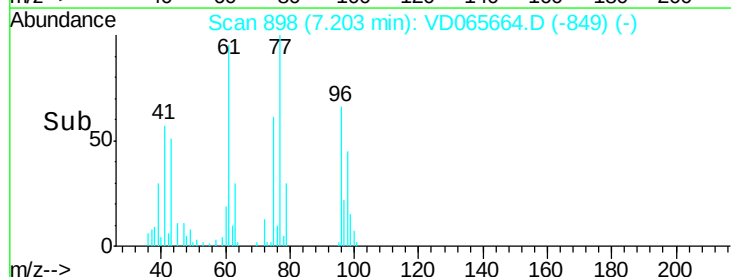
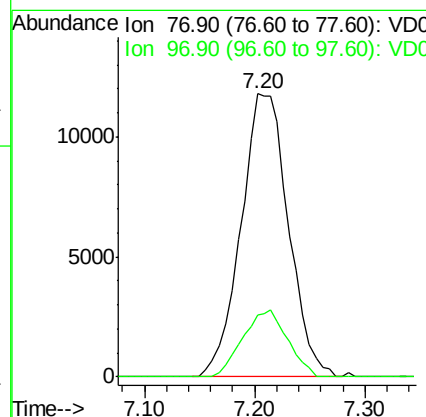
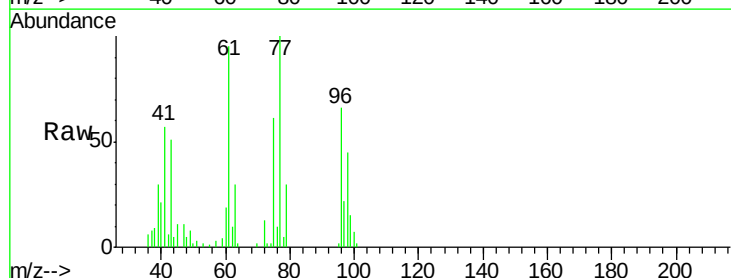
Acq: 22 Apr 2020 14:10

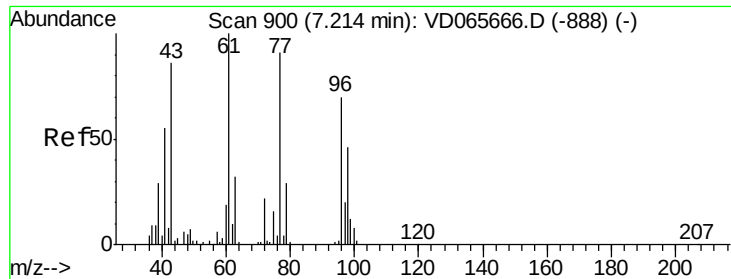
Tgt Ion: 77 Resp: 35489

Ion Ratio Lower Upper

77 100

97 22.2 11.5 34.4





#27

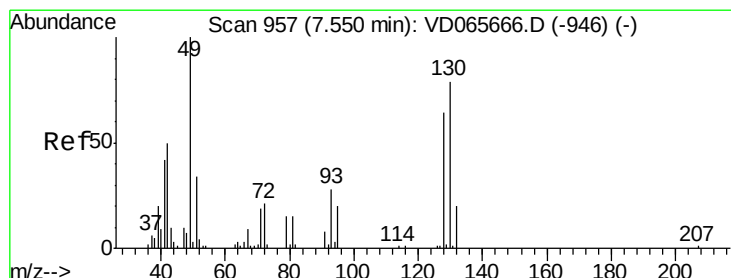
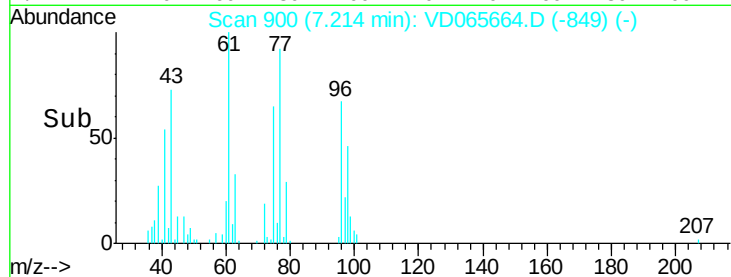
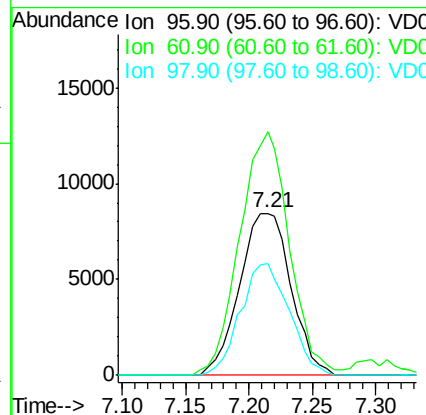
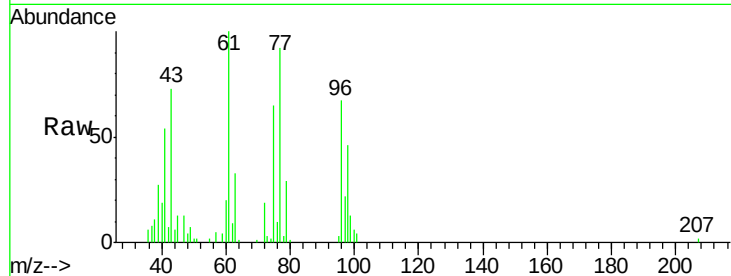
cis-1,2-Dichloroethene
 Concen: 10.972 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.7	0.0	290.4
98	65.3	0.0	131.0

Manual Integrations
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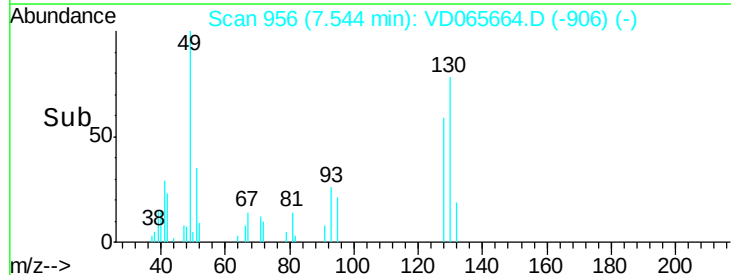
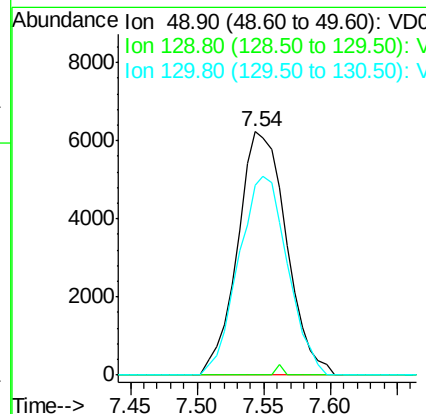
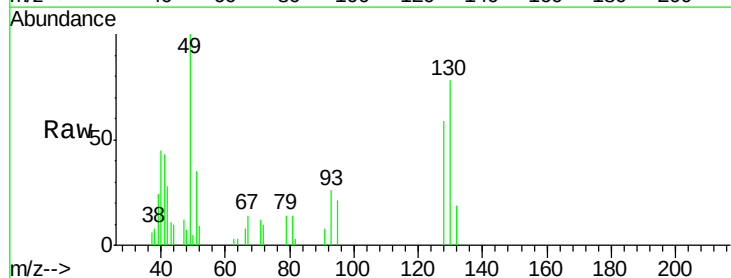
MMDadoda
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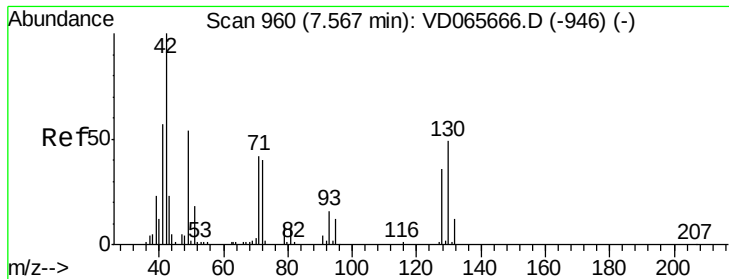


#28

Bromochloromethane
 Concen: 10.841 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	5.0
130	82.2	66.3	99.5





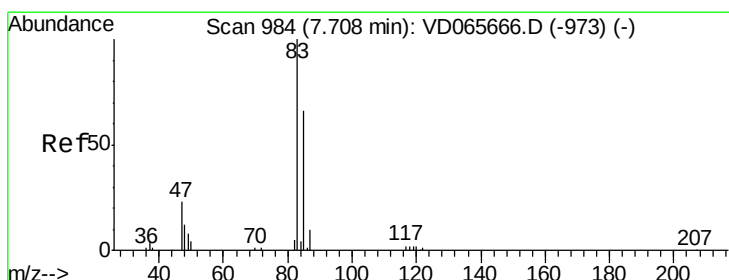
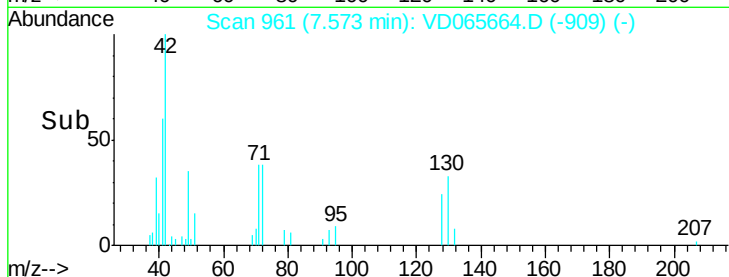
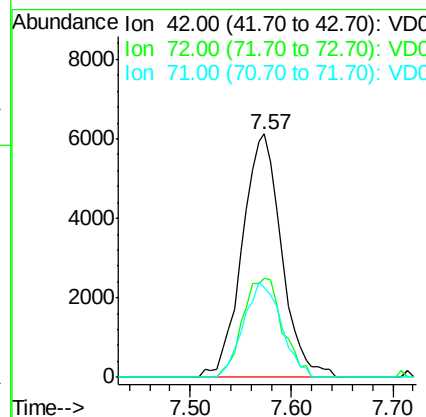
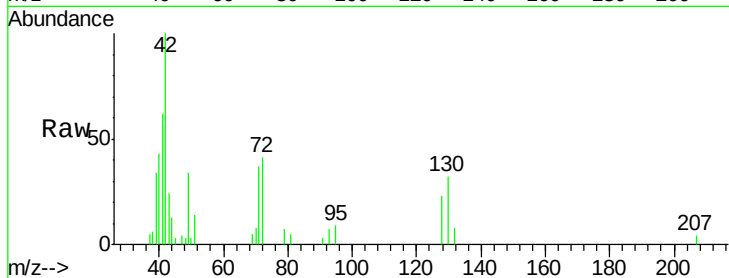
#29
Tetrahydrofuran
Concen: 54.456 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	33.8	50.6
71	37.5	30.7	46.1

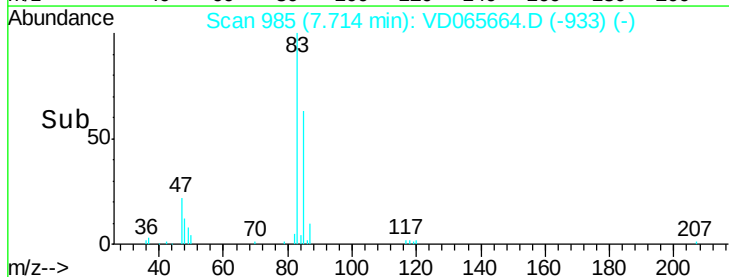
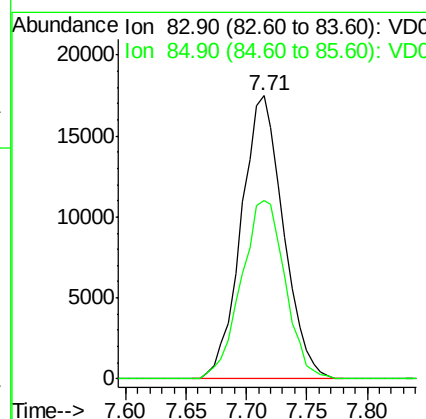
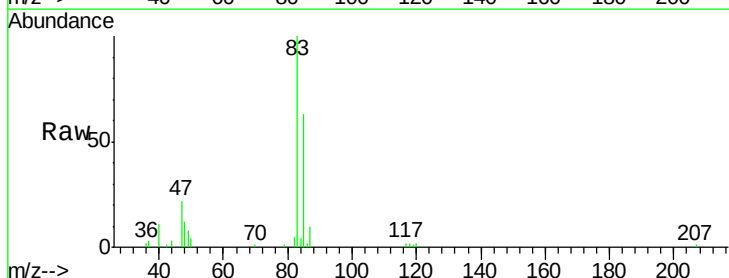
Manual Integrations
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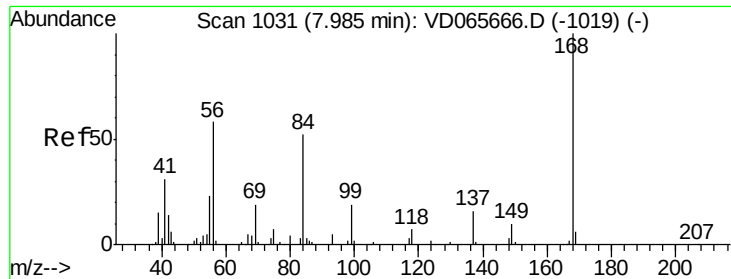
MMDadoda
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#30
Chloroform
Concen: 11.698 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.5	78.7





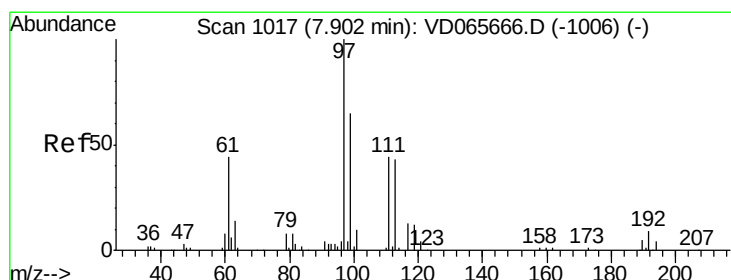
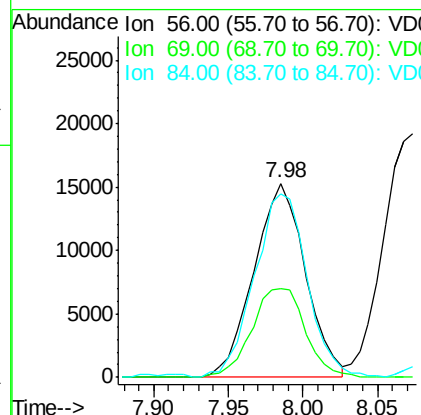
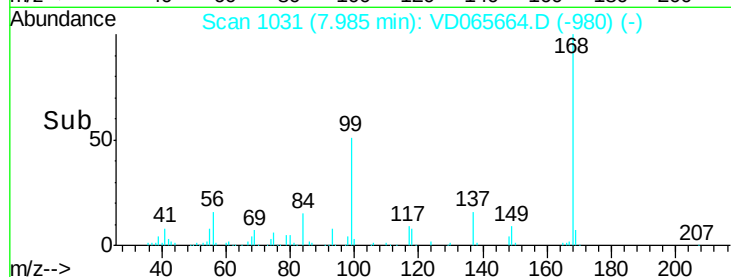
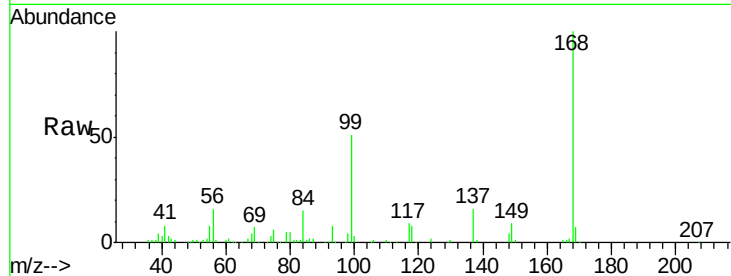
#31
Cyclohexane
Concen: 10.812 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	46.0	26.3	39.5#	
84	95.0	71.4	107.0	

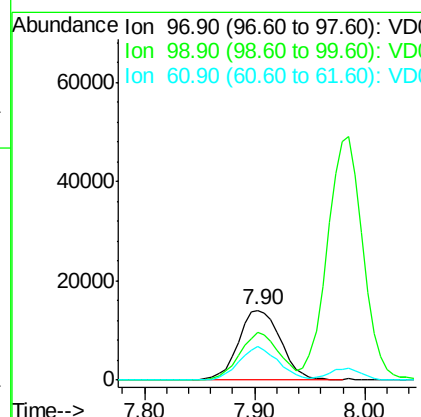
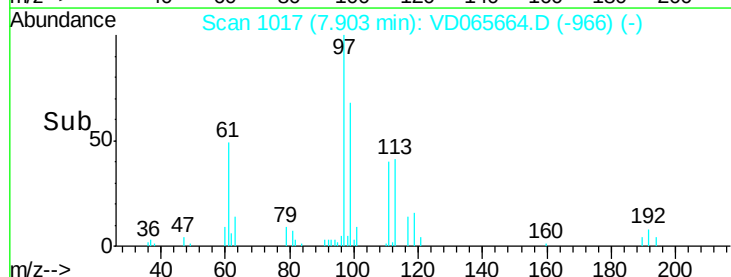
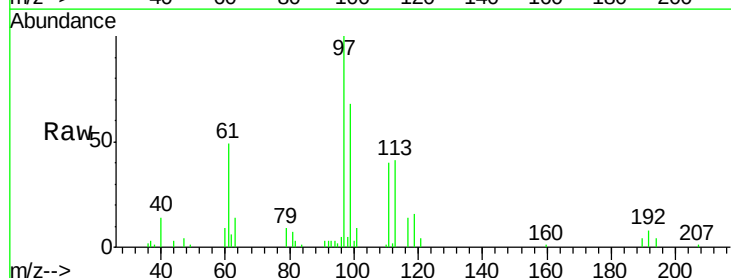
Manual Integrations
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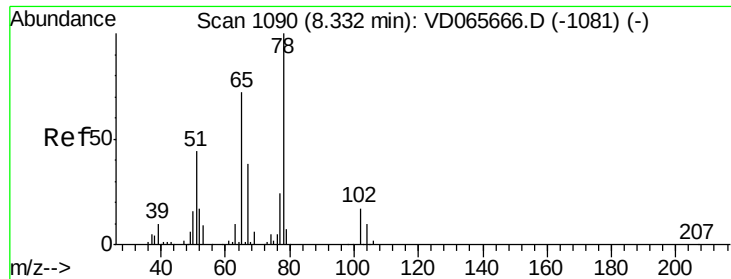
MMDadoda
4/23/2020 1:31:37 PM



#32
1,1,1-Trichloroethane
Concen: 11.531 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.1	51.1	76.7	
61	44.2	35.8	53.6	





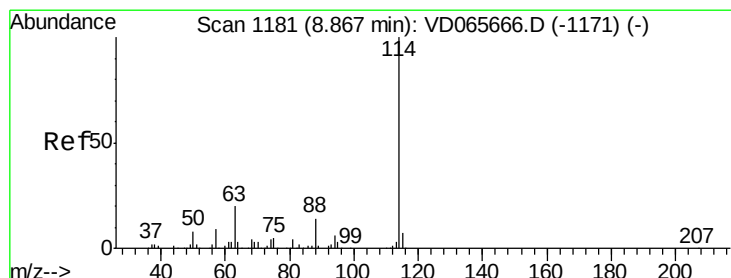
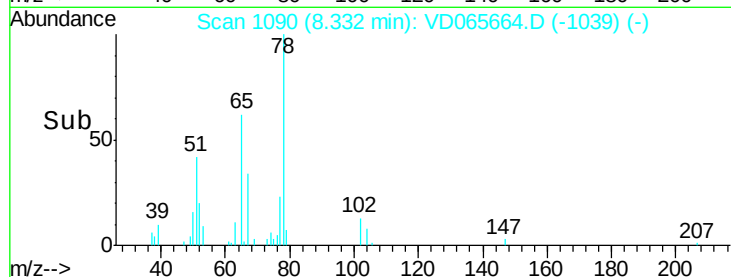
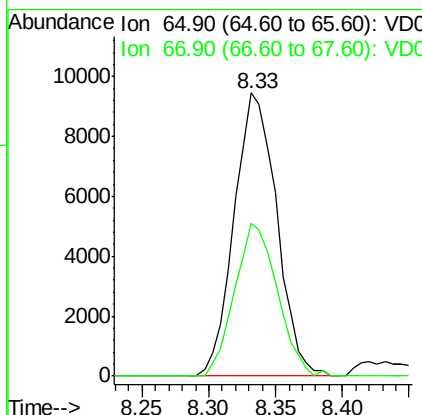
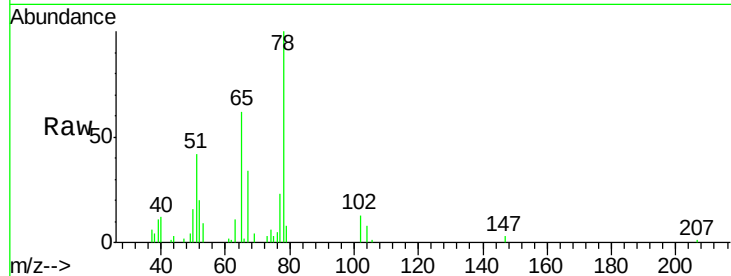
#33
 1,2-Dichloroethane-d4
 Concen: 11.325 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100	20898		
67	53.9	0.0	107.0	

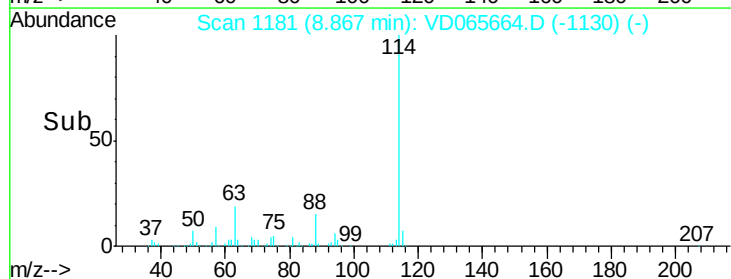
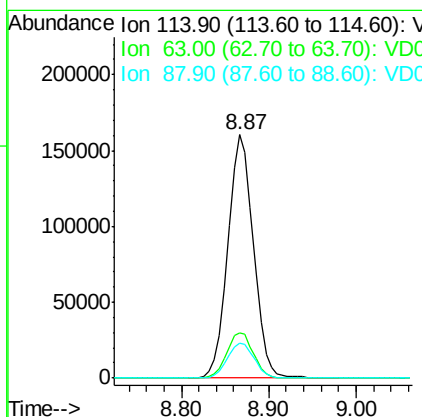
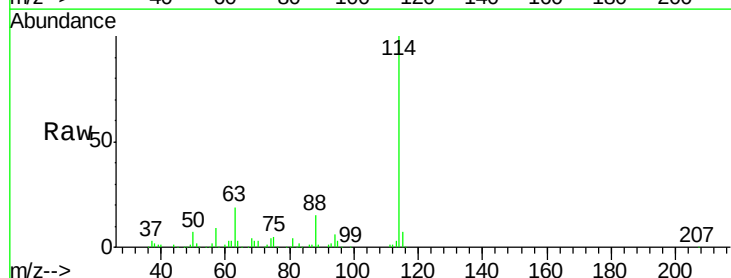
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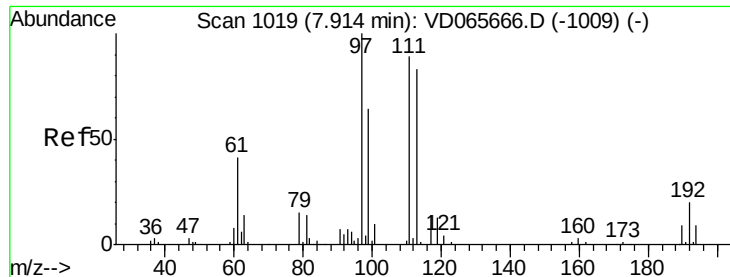
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	319856		
63	18.8	0.0	39.2	
88	14.6	0.0	28.4	





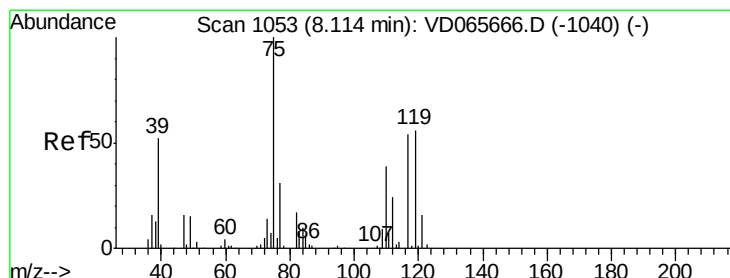
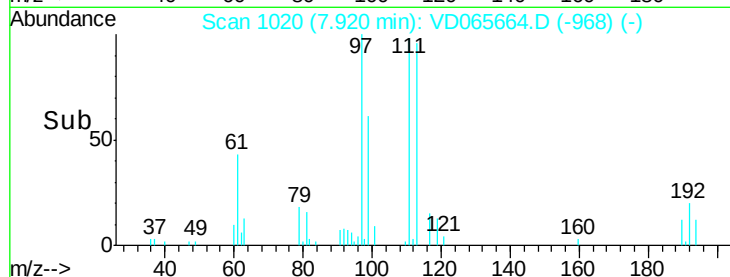
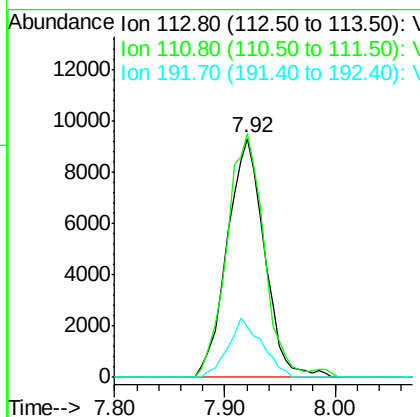
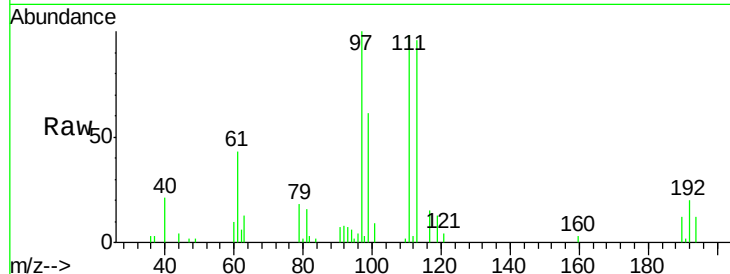
#35
 Dibromofluoromethane
 Concen: 11.061 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	83.2	124.8
192	22.6	18.6	28.0

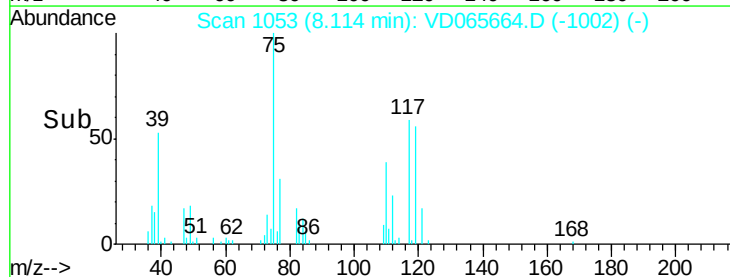
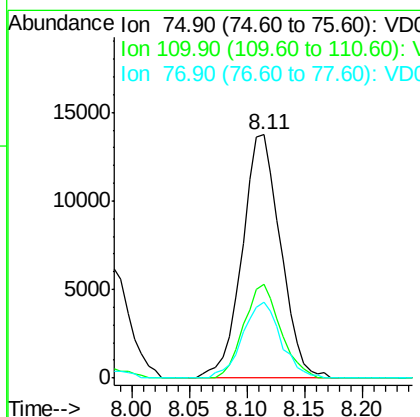
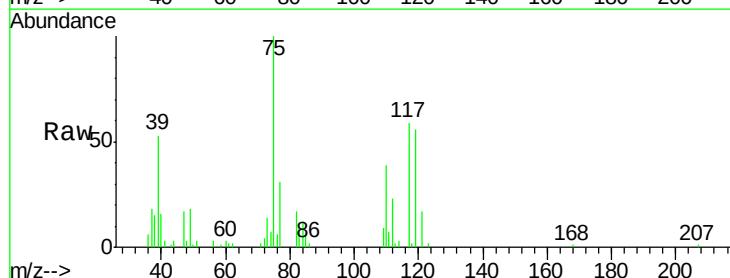
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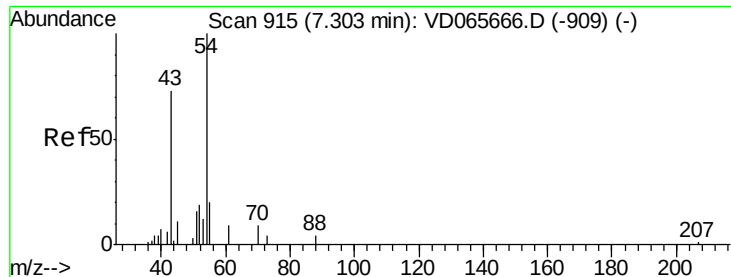
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#36
 1,1-Dichloropropene
 Concen: 10.499 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.4	55.0
77	31.2	25.3	37.9





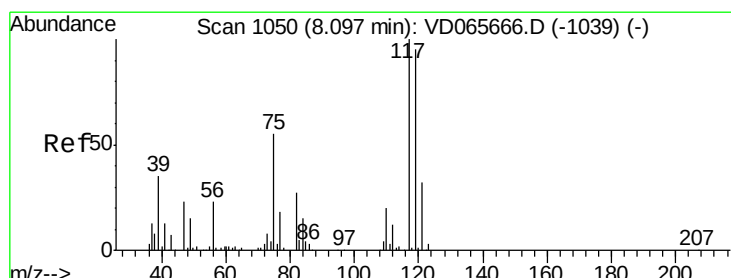
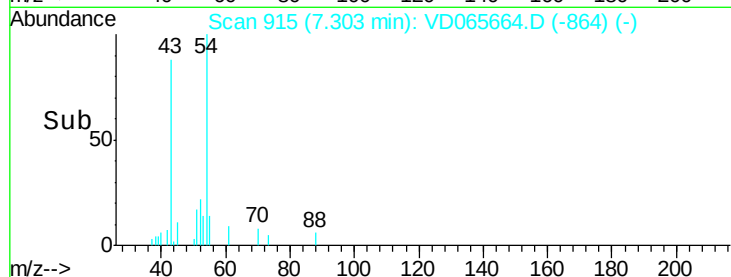
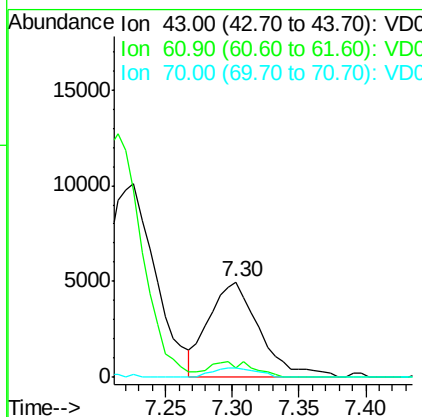
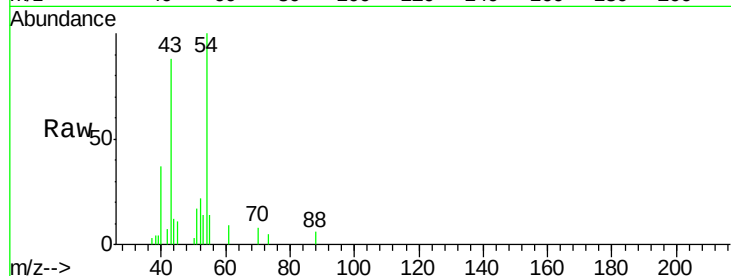
#37
Ethyl Acetate
Concen: 11.147 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	43	Resp	13268
Ion Ratio	100	Lower	Upper
43	100		
61	13.9	12.1	18.1
70	8.4	7.8	11.8

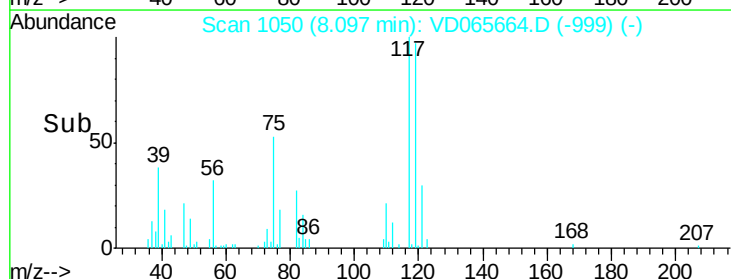
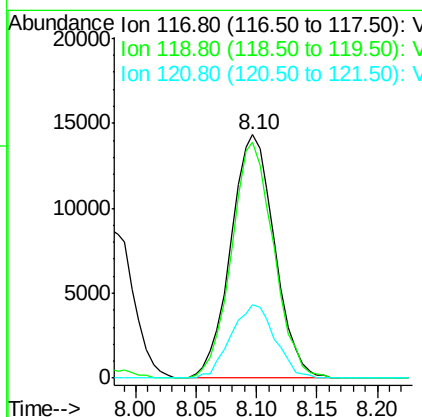
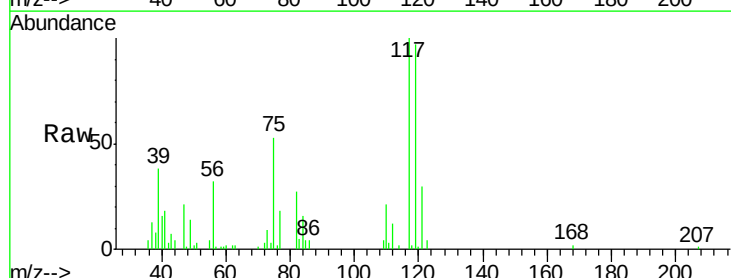
Manual Integrations
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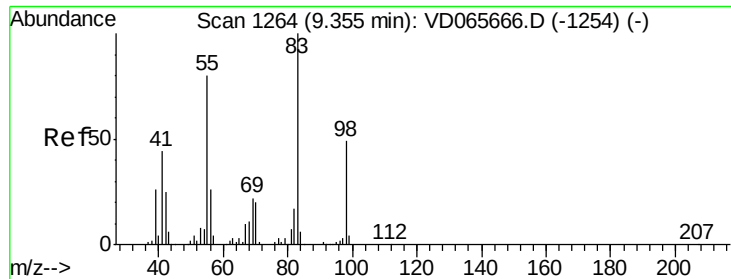
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#38
Carbon Tetrachloride
Concen: 11.189 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion	117	Resp	36124
Ion Ratio	100	Lower	Upper
117	100		
119	96.6	75.7	113.5
121	30.2	25.8	38.6





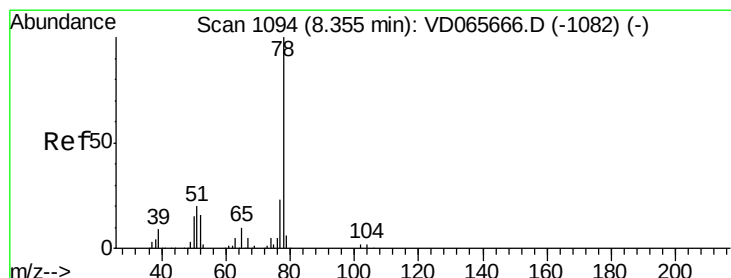
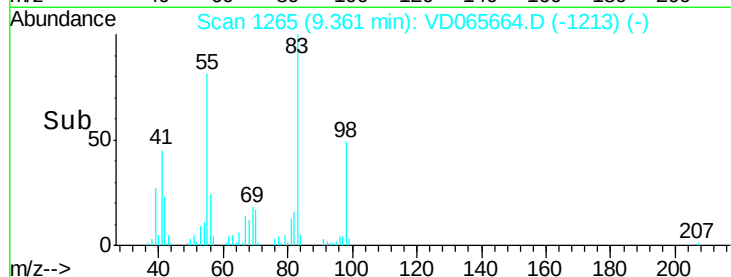
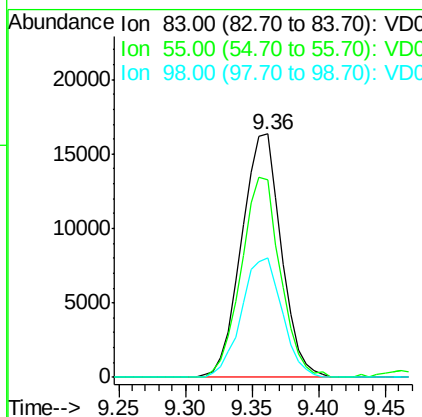
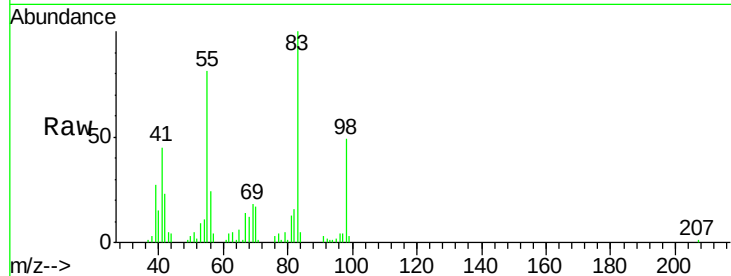
#39
Methylvlcyclohexane
Concen: 9.630 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.9	64.0	96.0
98	49.2	39.2	58.8

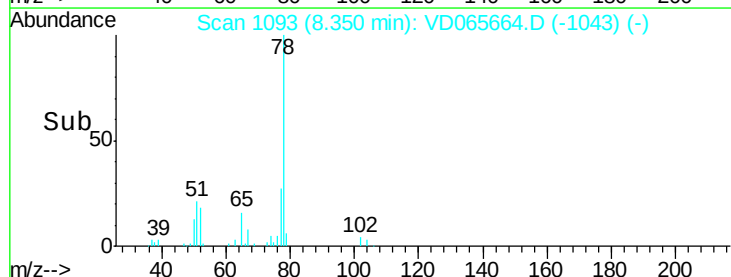
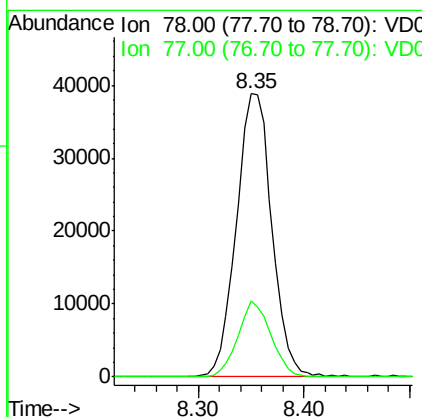
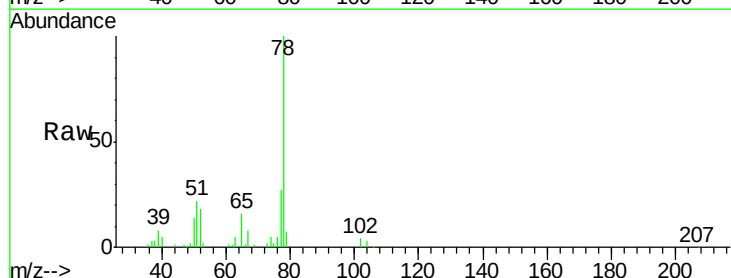
Manual Integrations
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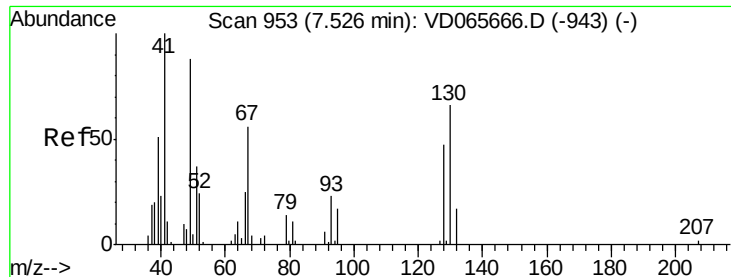
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#40
Benzene
Concen: 10.426 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.7	18.7	28.1





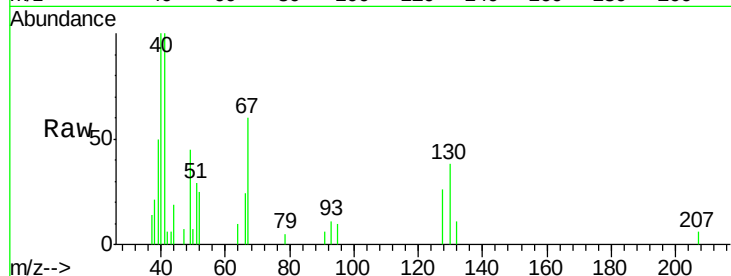
#41
Methacrylonitrile
Concen: 10.550 ug/l m
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

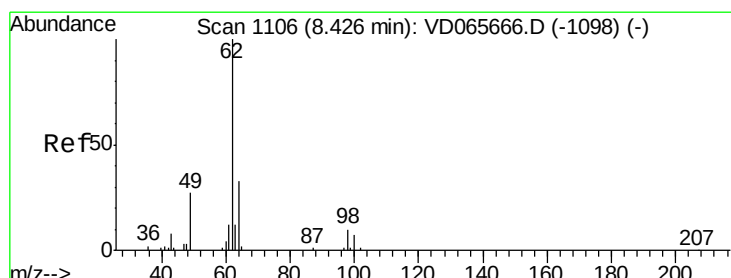
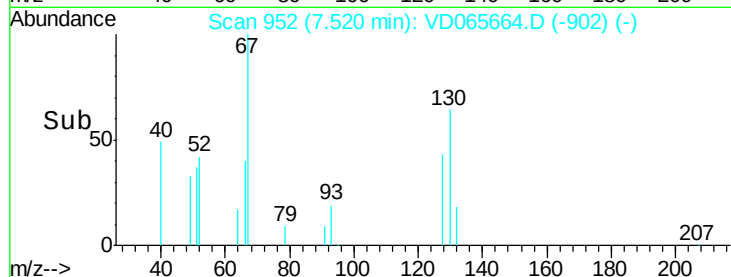
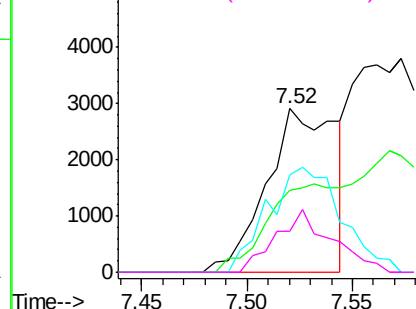
Tot Ion	Ratio	Lower	Upper
41	100		
39	56.3	43.8	65.6
67	68.8	54.4	81.6
52	31.0	22.4	33.6

Manual Integrations
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MMDadoda
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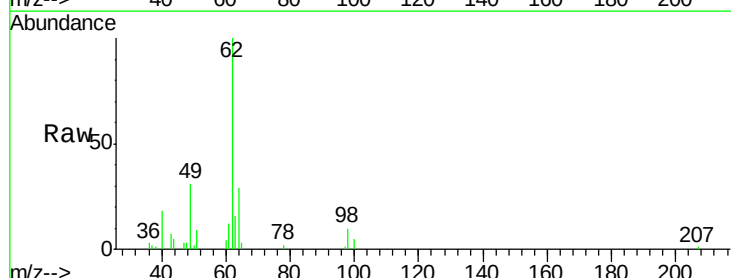


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

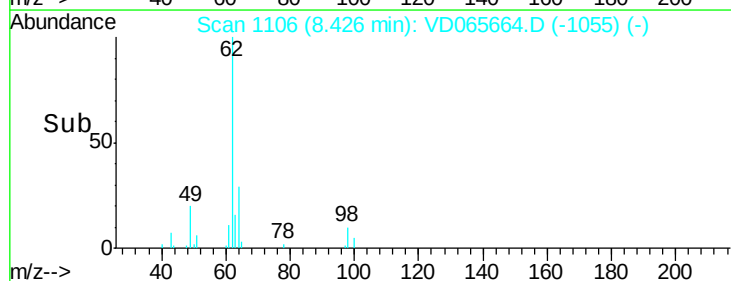
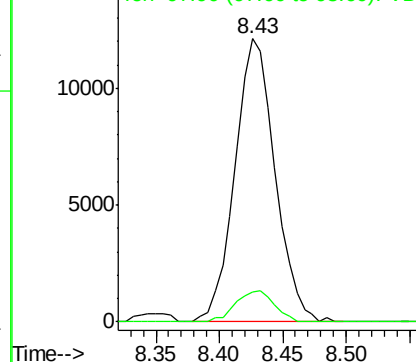


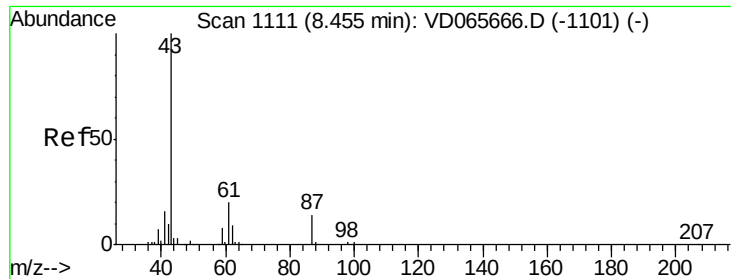
#42
1,2-Dichloroethane
Concen: 11.215 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.2



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





#43

Isopropyl Acetate

Concen: 10.453 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

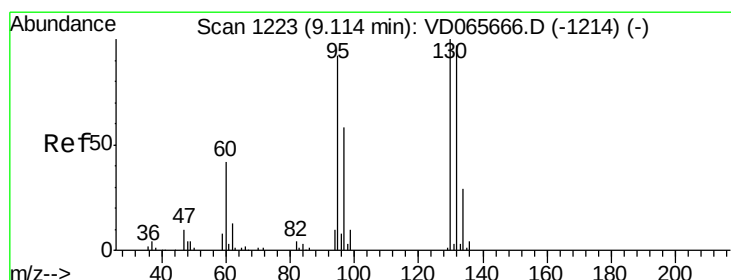
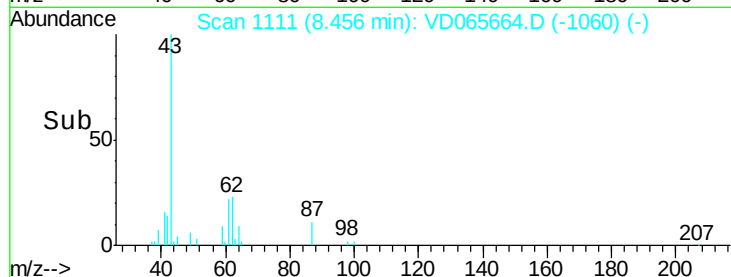
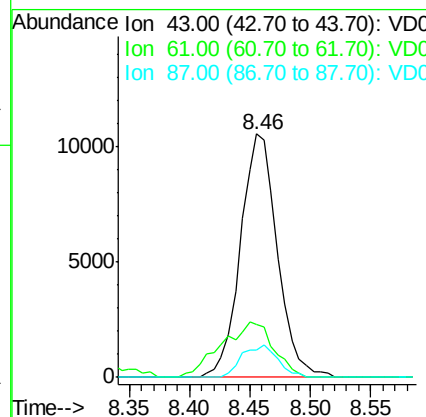
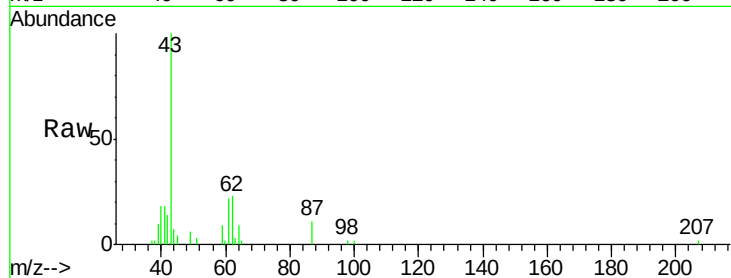
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	22504
Ion	Ratio	Lower	Upper
43	100		
61	31.9	24.7	37.1
87	13.0	10.6	16.0

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#44

Trichloroethene

Concen: 10.609 ug/l

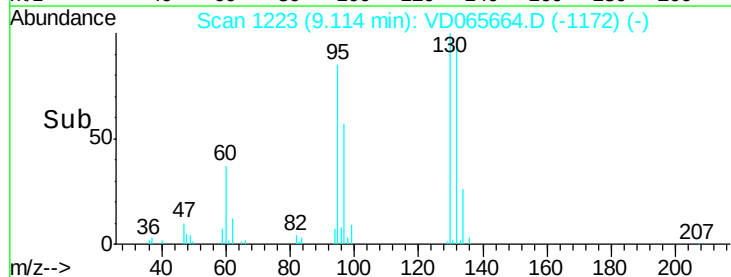
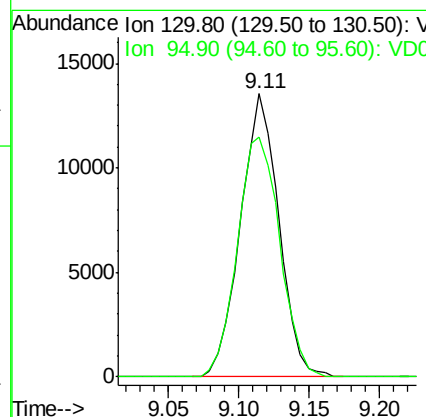
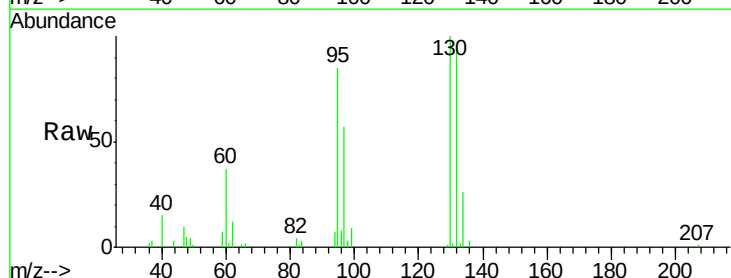
RT: 9.11 min Scan# 1223

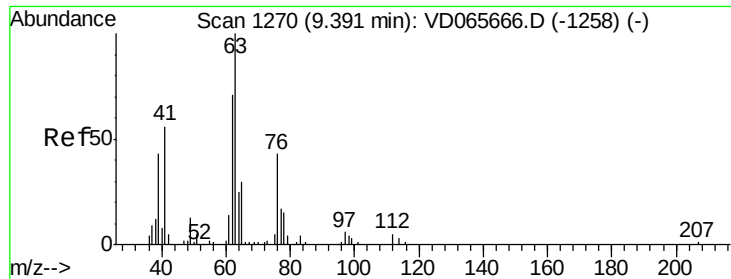
Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Tgt Ion:	130	Resp:	25749
Ion	Ratio	Lower	Upper
130	100		
95	84.7	0.0	183.2





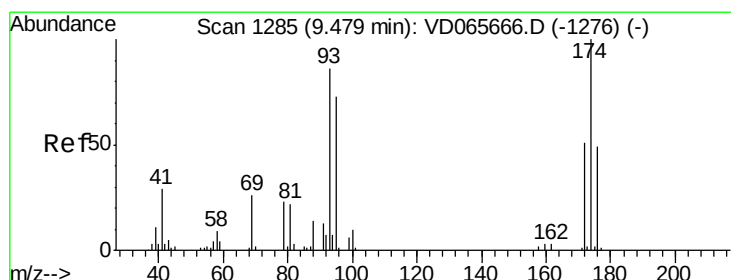
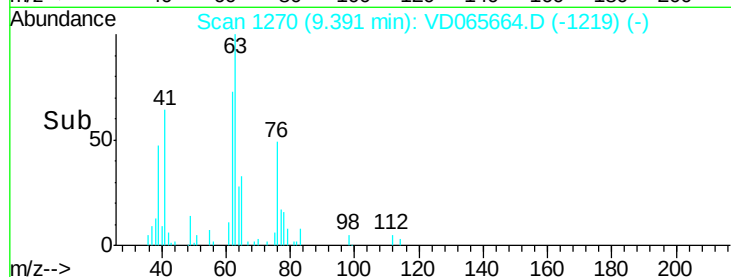
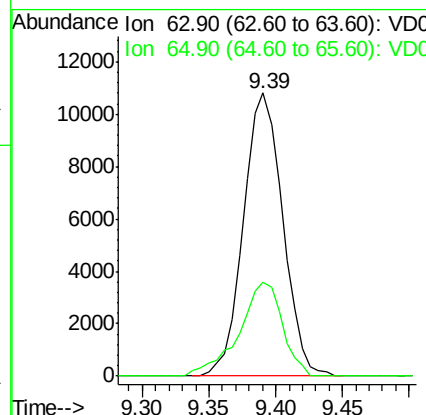
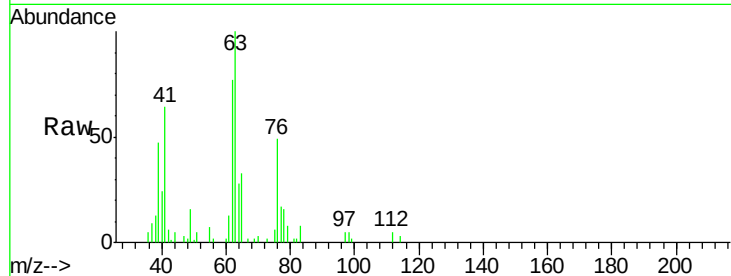
#45
 1,2-Dichloropropane
 Concen: 10.385 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 63 Resp: 21993
 Ion Ratio Lower Upper
 63 100
 65 33.1 24.2 36.4

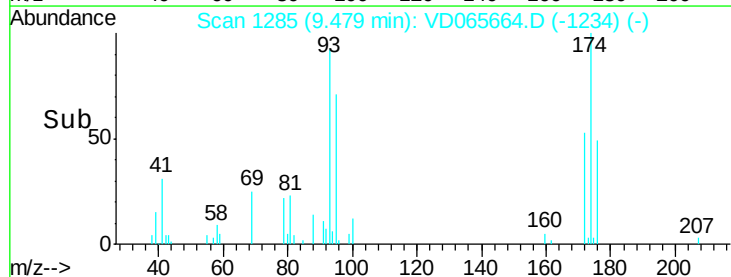
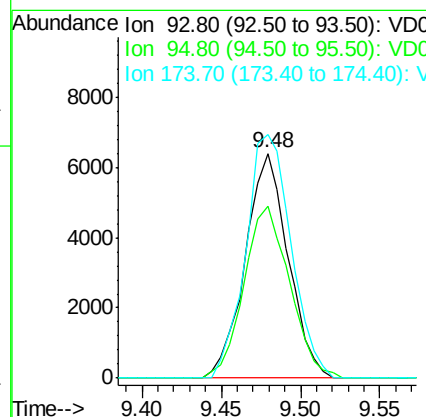
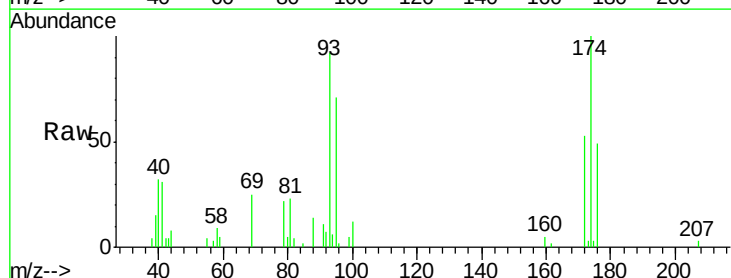
Manual Integrations
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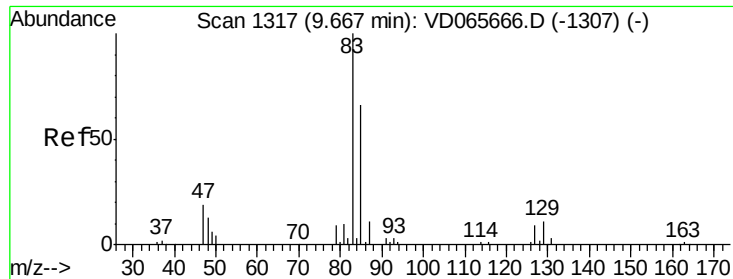
MMDadoda
 4/23/2020 1:31:37 PM



#46
 Dibromomethane
 Concen: 10.960 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Tgt Ion: 93 Resp: 12008
 Ion Ratio Lower Upper
 93 100
 95 81.7 66.4 99.6
 174 114.9 93.0 139.6





#47

Bromodichloromethane

Concen: 11.094 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

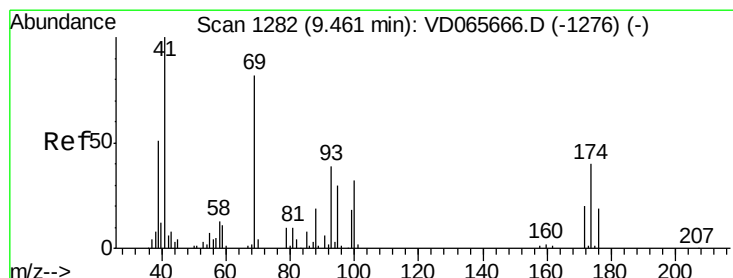
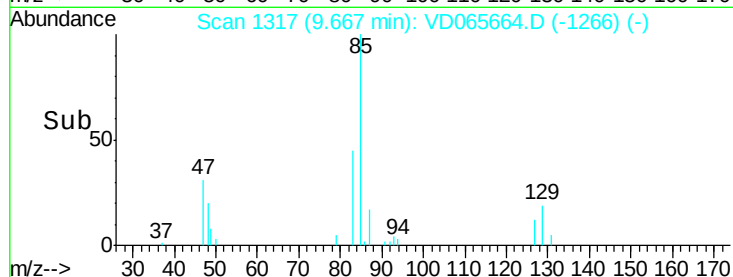
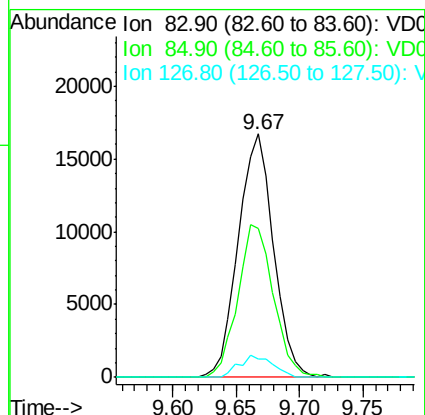
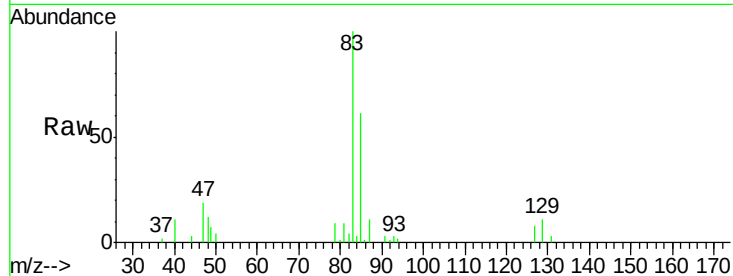
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	32278
Ion	Ratio	Lower	Upper
83	100		
85	61.3	53.2	79.8
127	7.7	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 9.579 ug/l

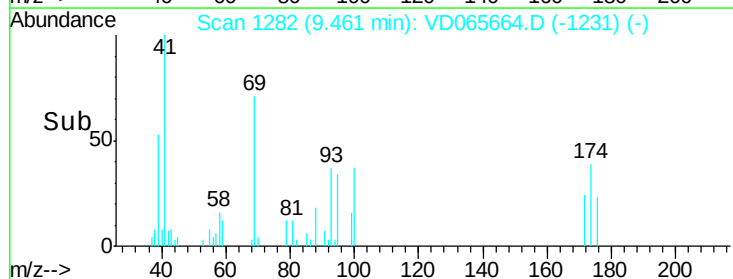
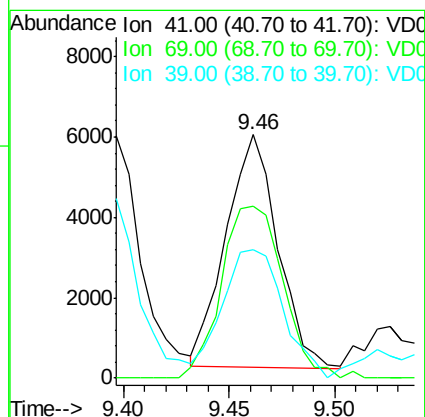
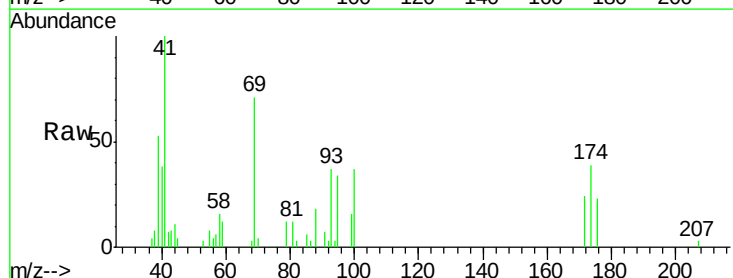
RT: 9.46 min Scan# 1282

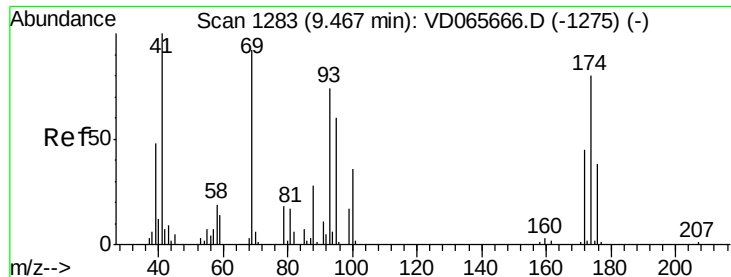
Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Tgt Ion:	41	Resp:	9856
Ion	Ratio	Lower	Upper
41	100		
69	88.3	69.5	104.3
39	64.9	41.6	62.4#





#49

1,4-Dioxane

Concen: 215.115 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

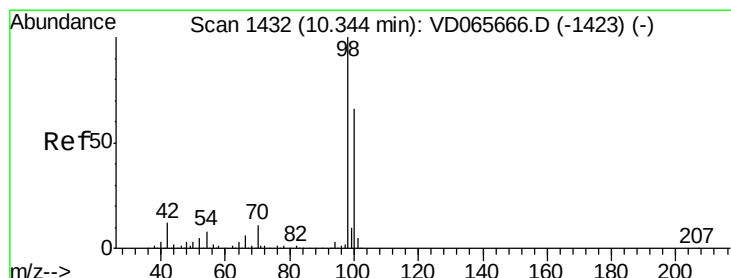
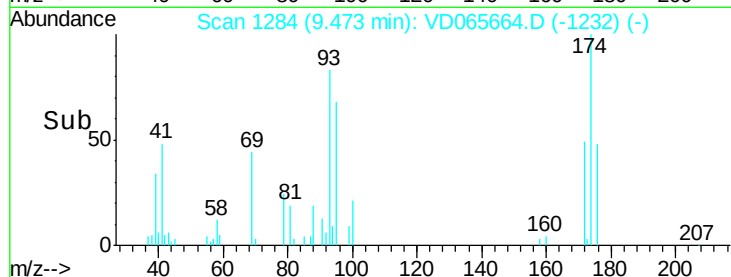
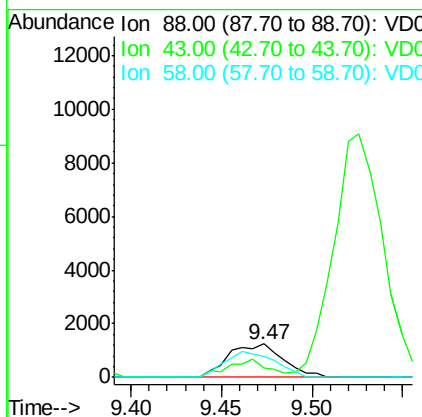
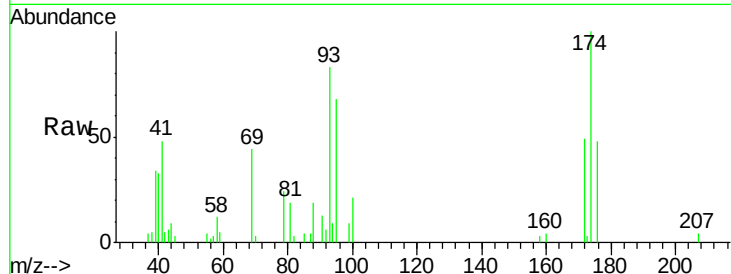
ClientSampleId :

VSTDIC010

Tot Ion:	88	Resp:	2600
Ion	Ratio	Lower	Upper
88	100		
43	40.2	31.3	46.9
58	71.2	58.0	87.0

Manual Integrations
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#50

Toluene-d8

Concen: 10.768 ug/l

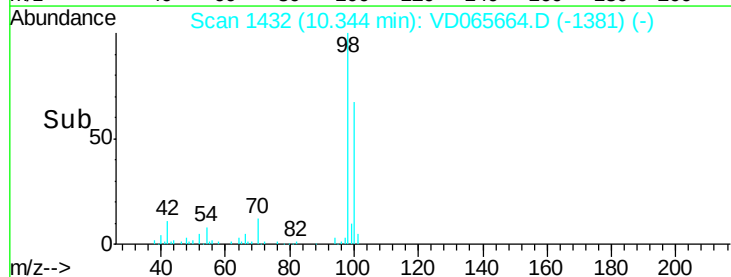
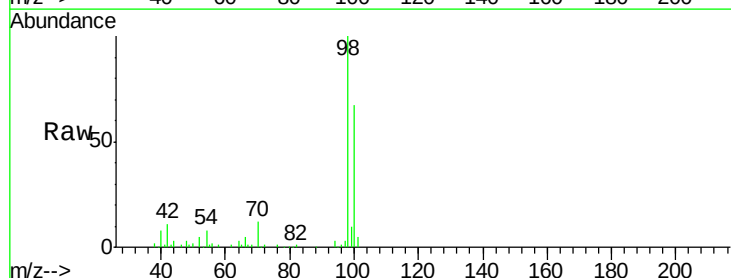
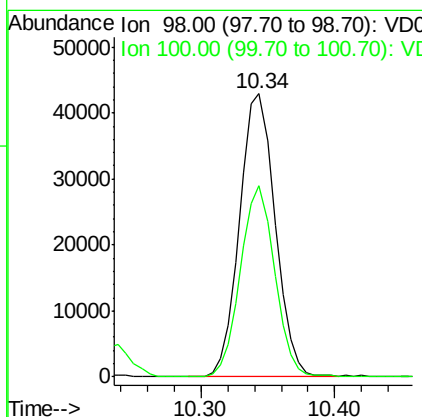
RT: 10.34 min Scan# 1432

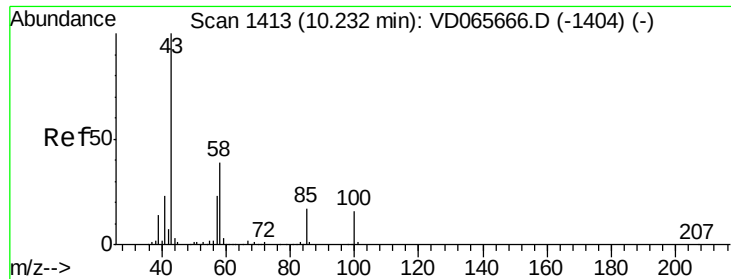
Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Tgt Ion:	98	Resp:	79415
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.8	79.2





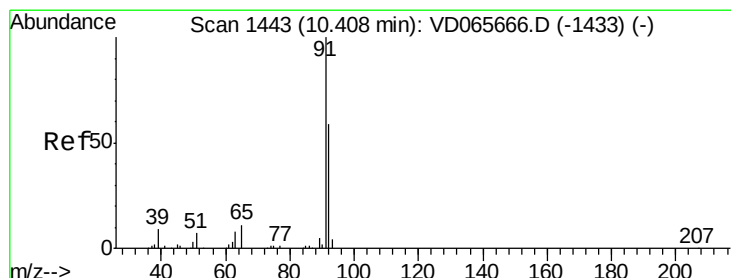
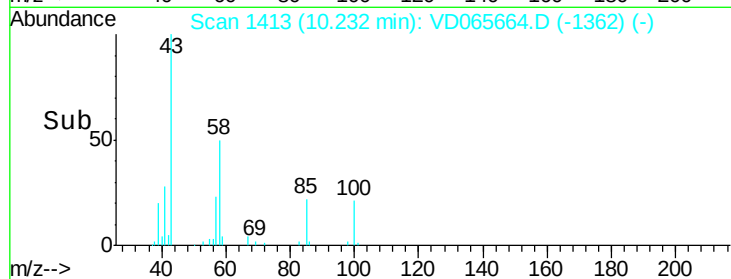
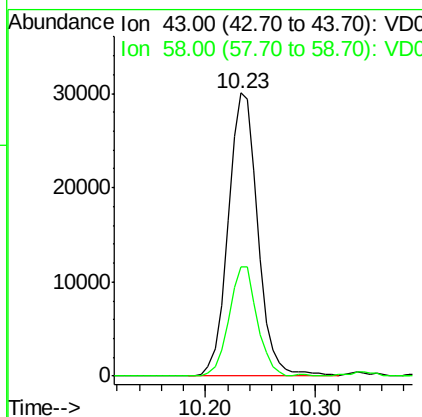
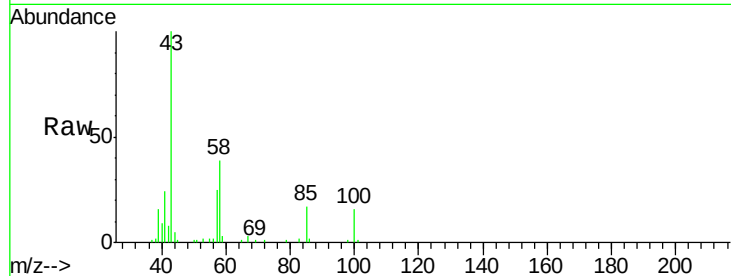
#51
 4-Methyl-2-Pentanone
 Concen: 51.840 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 43 Resp: 56534
 Ion Ratio Lower Upper
 43 100
 58 36.6 31.1 46.7

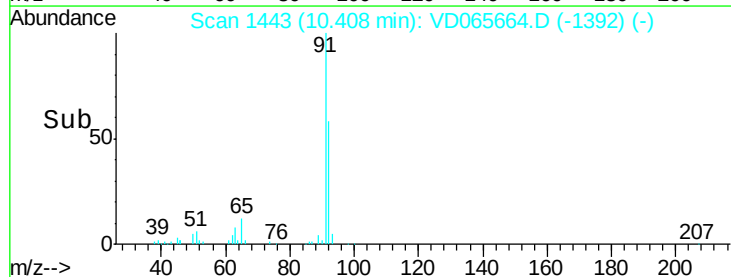
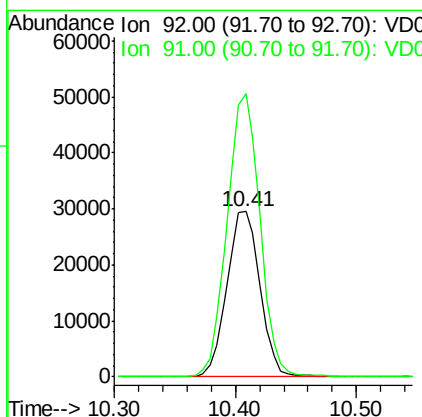
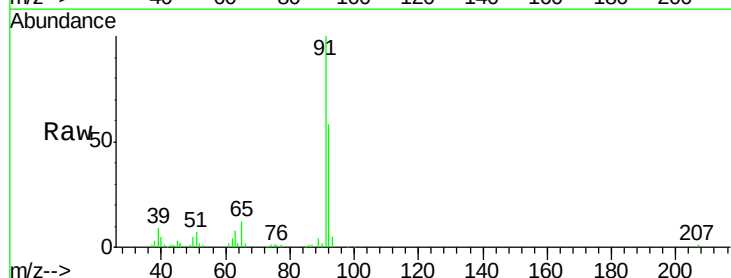
Manual Integrations
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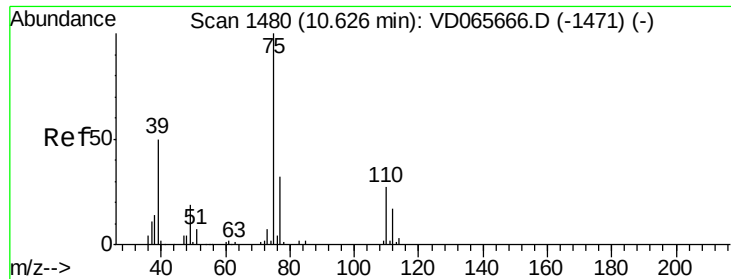
MMDadoda
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#52
 Toluene
 Concen: 10.523 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Tgt Ion: 92 Resp: 56261
 Ion Ratio Lower Upper
 92 100
 91 169.3 135.9 203.9





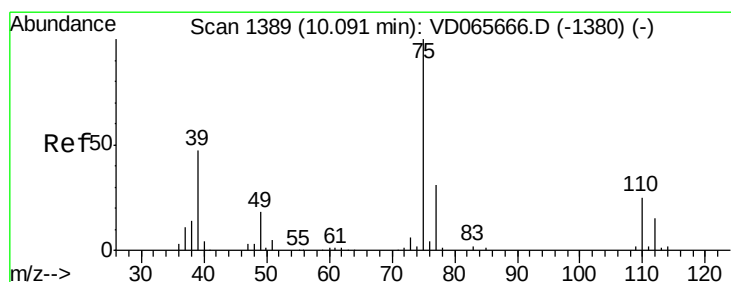
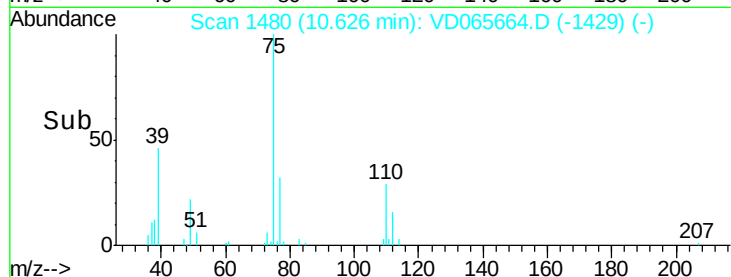
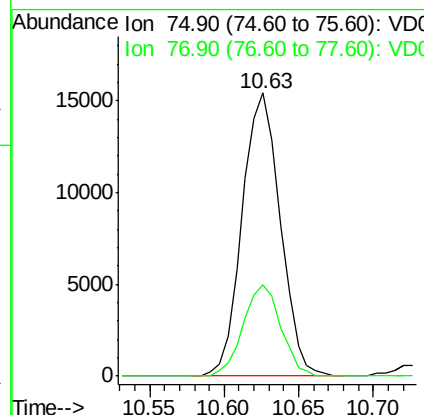
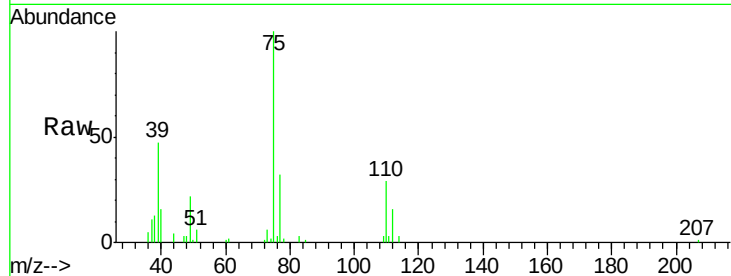
#53
t-1,3-Dichloropropene
Concen: 10.336 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 75 Resp: 27293
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.8

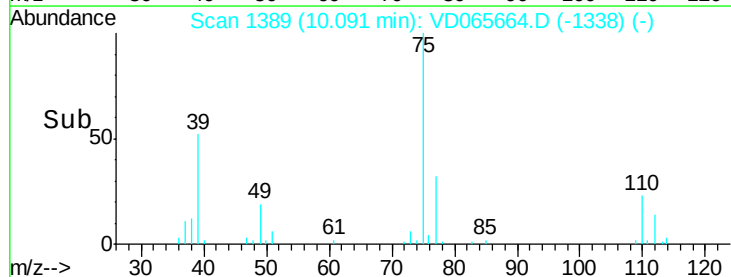
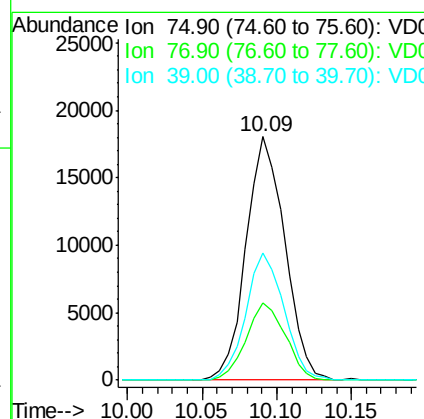
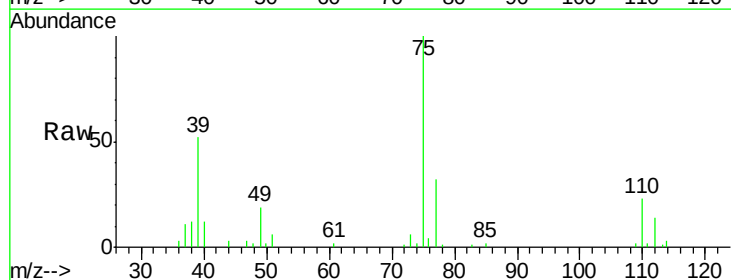
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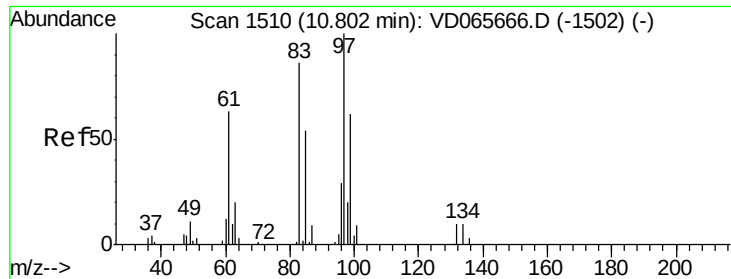
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 10.033 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion: 75 Resp: 32403
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8
39 52.3 37.9 56.9





#55

1,1,2-Trichloroethane

Concen: 10.932 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 97 Resp: 16760

Ion Ratio Lower Upper

97 100

83 86.7 68.5 102.7

85 52.8 43.0 64.6

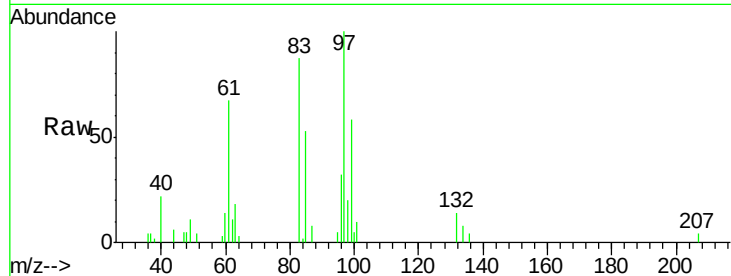
99 58.1 49.8 74.8

Manual Integrations

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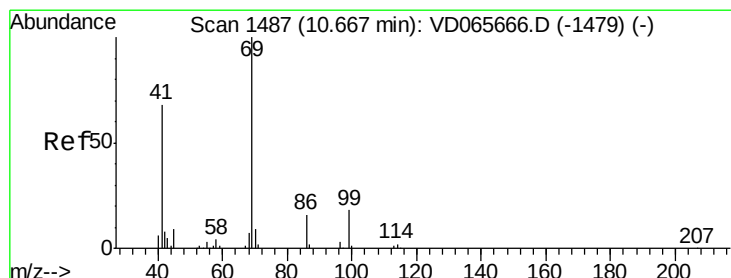
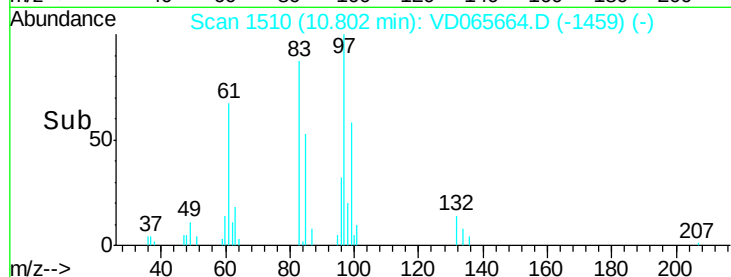
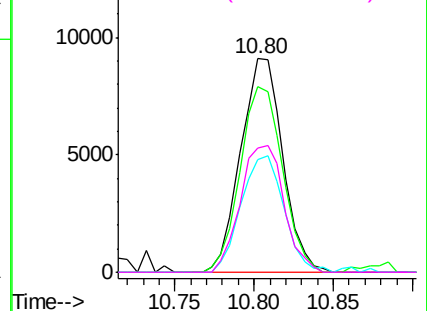


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 9.863 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

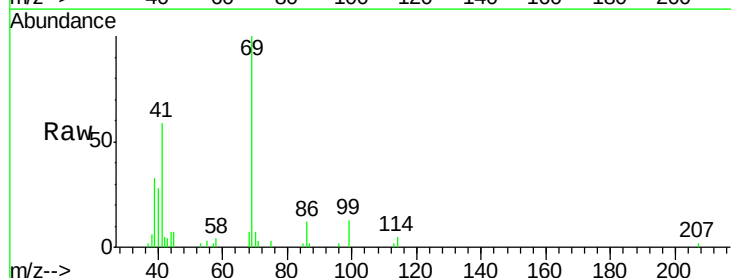
Tgt Ion: 69 Resp: 16227

Ion Ratio Lower Upper

69 100

41 67.1 58.3 87.5

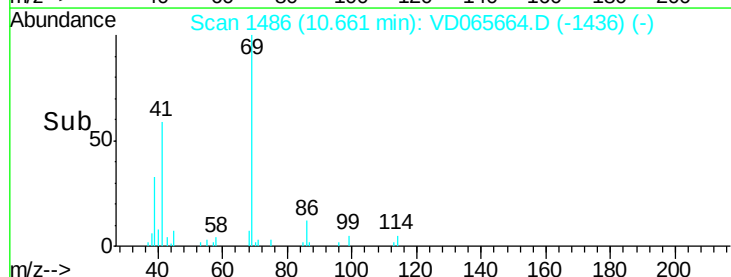
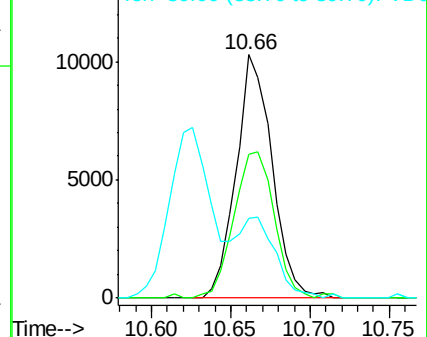
39 34.2 29.5 44.3

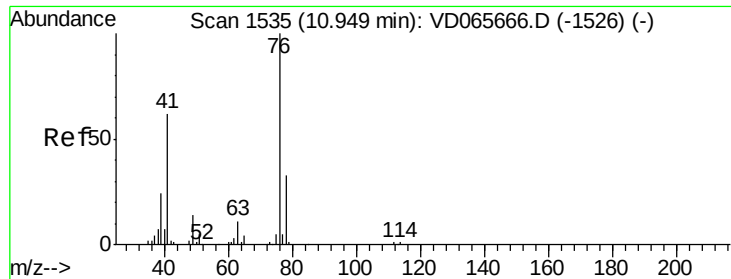


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





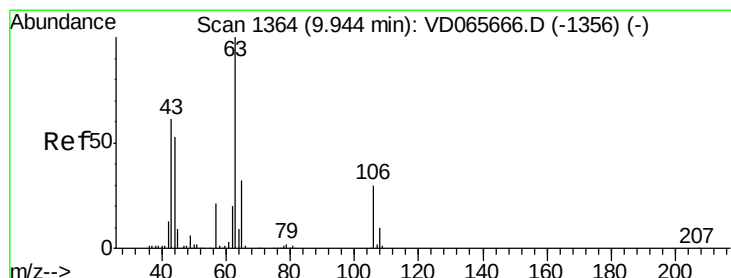
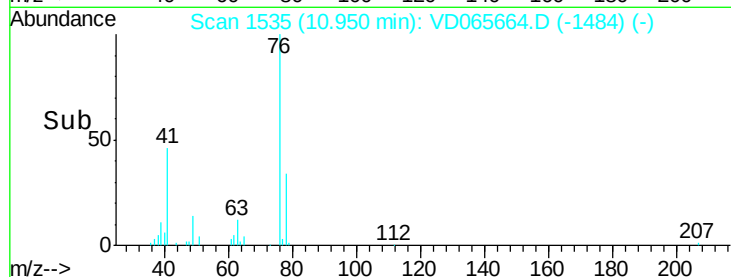
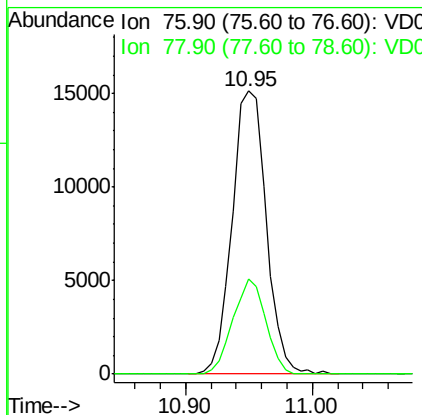
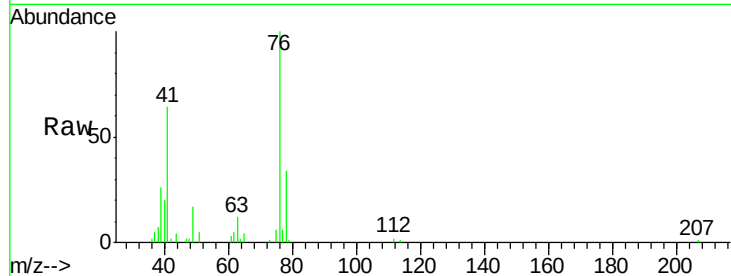
#57
 1,3-Dichloropropane
 Concen: 10.789 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.9	38.9

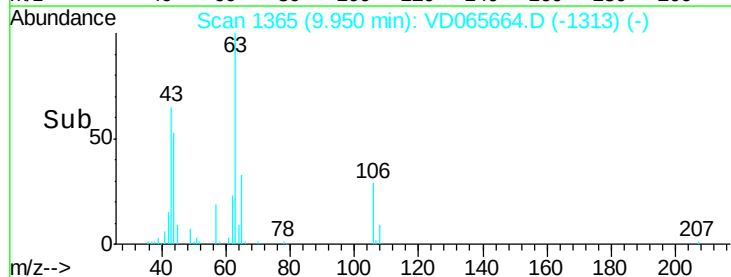
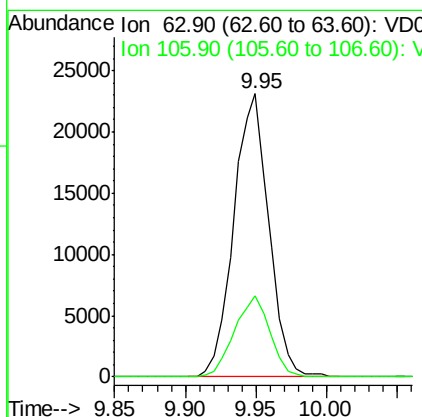
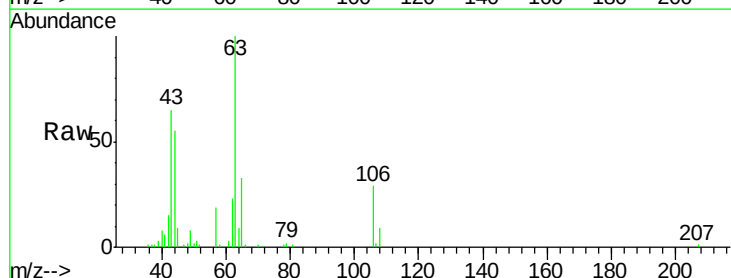
Manual Integrations
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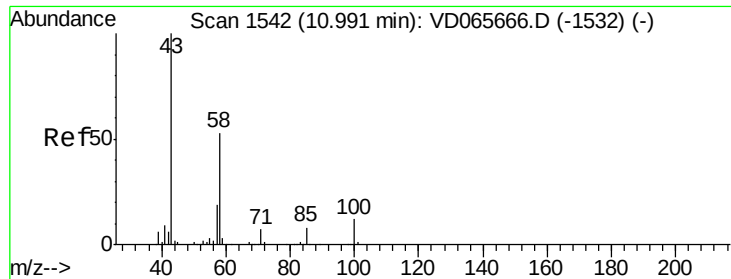
MMDadoda
 4/23/2020 1:31:37 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 45.909 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.9	23.7	35.5





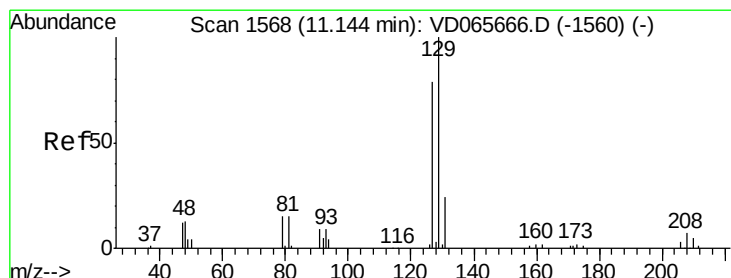
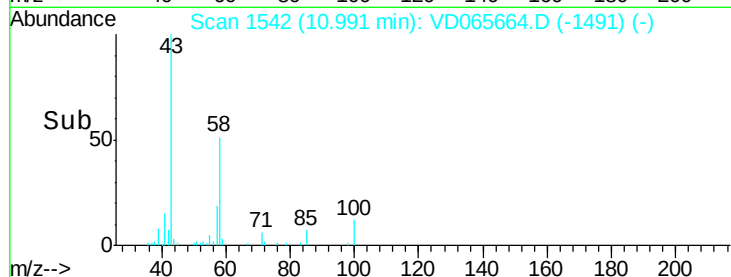
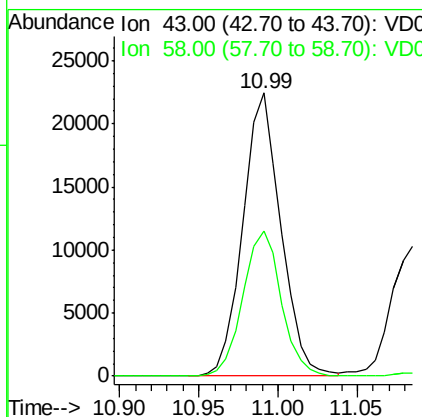
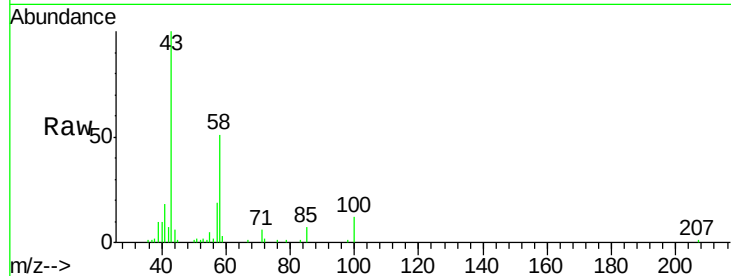
#59
2-Hexanone
Concen: 50.473 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Instrument :
MSVOA_D
ClientSampled :
VSTDIC010

Tot Ion: 43 Resp: 37346
Ion Ratio Lower Upper
43 100
58 51.6 26.3 78.9

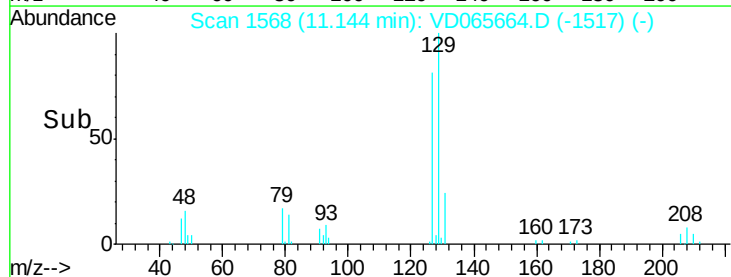
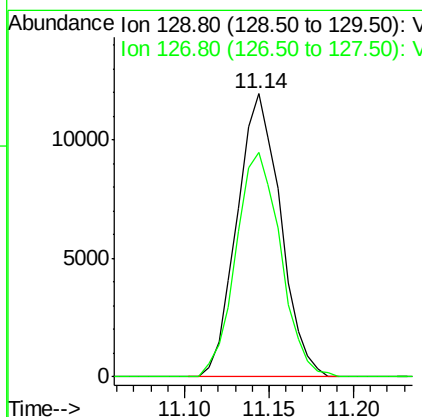
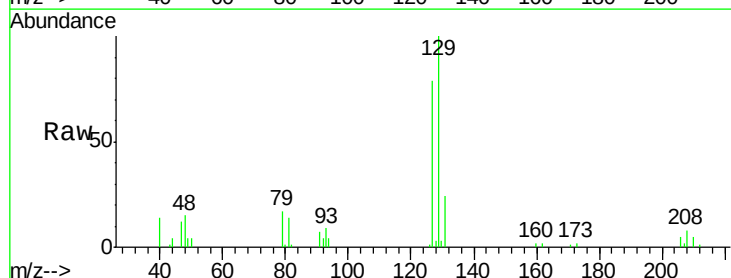
Manual Integrations
APPROVED

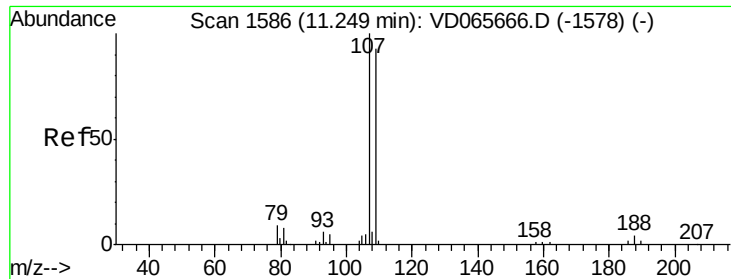
MMDadoda
4/23/2020 1:31:37 PM



#60
Dibromochloromethane
Concen: 10.508 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion: 129 Resp: 21403
Ion Ratio Lower Upper
129 100
127 81.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 10.541 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 15635

Ion Ratio Lower Upper

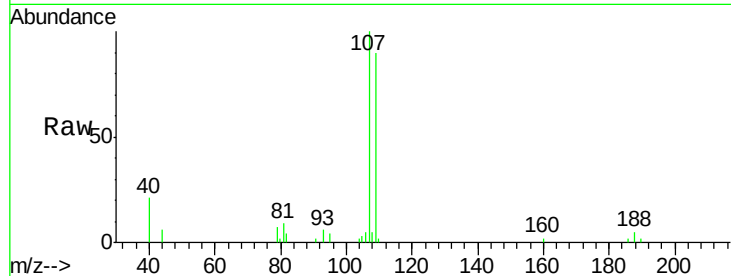
107 100

109 96.4 76.4 114.6

Manual Integrations
APPROVED

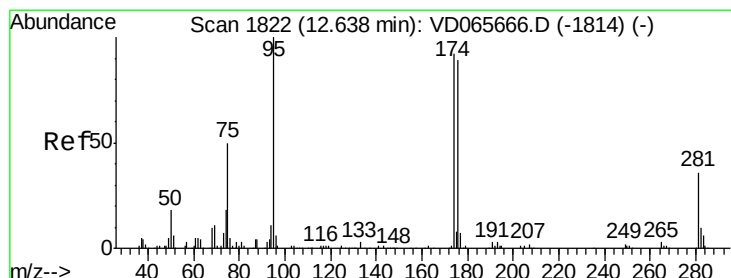
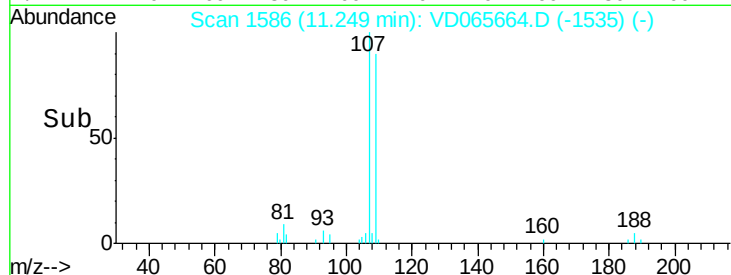
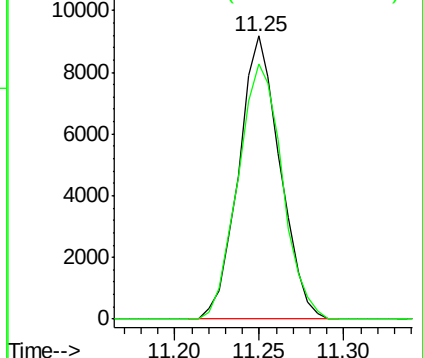
MMDadoda

4/23/2020 1:31:37 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 10.209 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

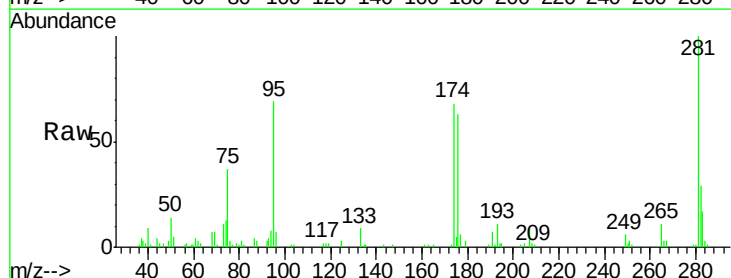
Tgt Ion: 95 Resp: 24801

Ion Ratio Lower Upper

95 100

174 94.9 0.0 186.4

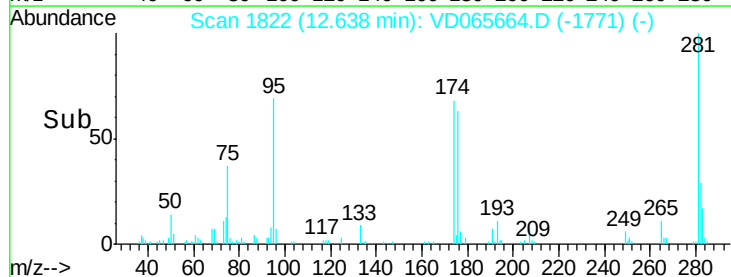
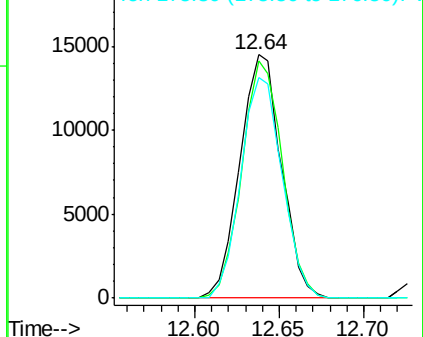
176 90.1 0.0 178.4

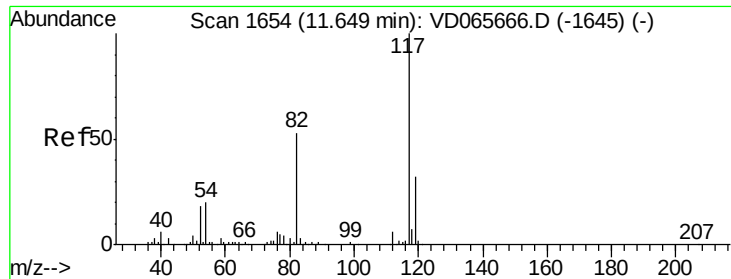


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





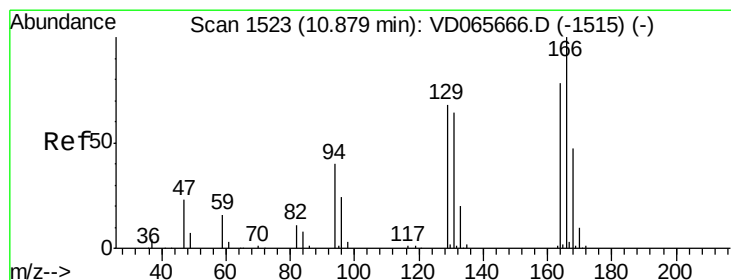
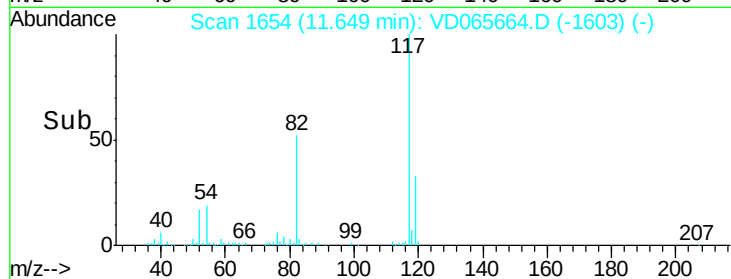
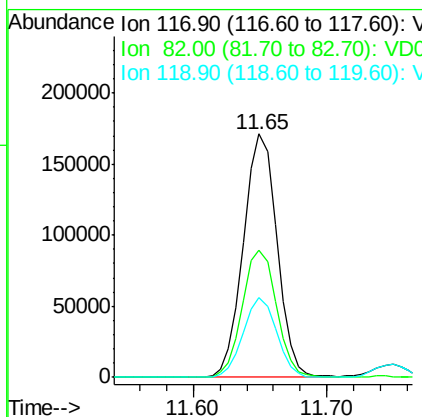
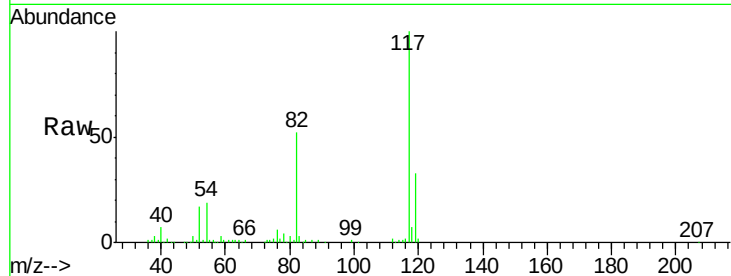
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.7	64.1
119	32.9	25.9	38.9

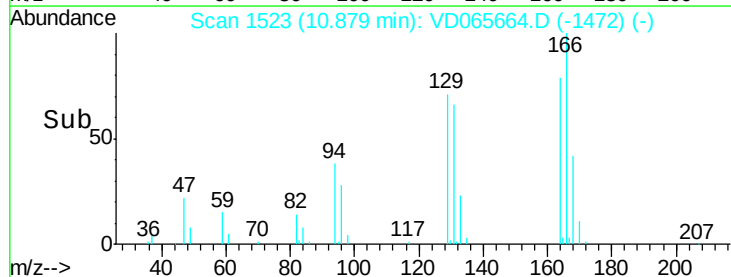
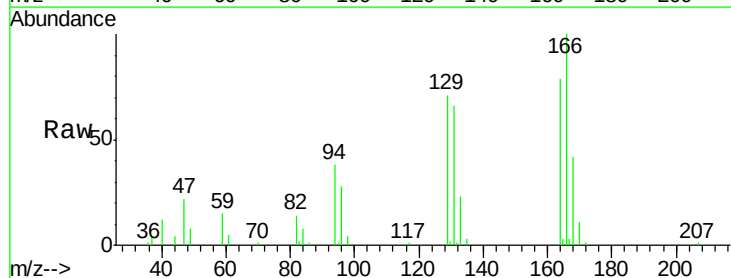
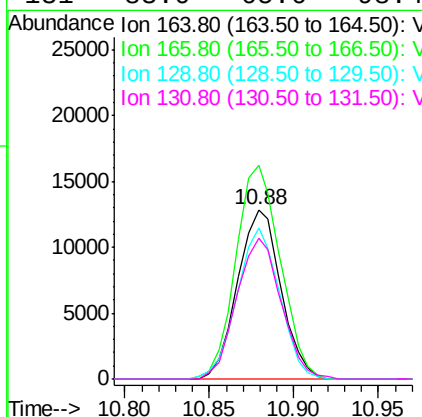
Manual Integrations
APPROVED

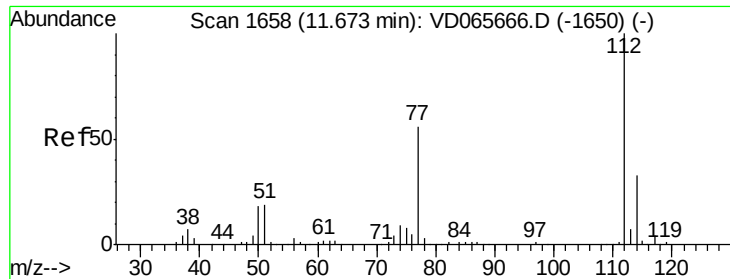
MMDadoda
4/23/2020 1:31:37 PM



#64
Tetrachloroethene
Concen: 11.084 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	102.0	153.0
129	89.5	69.3	103.9
131	83.0	65.6	98.4





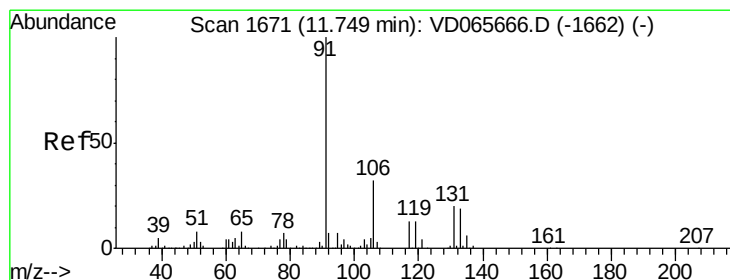
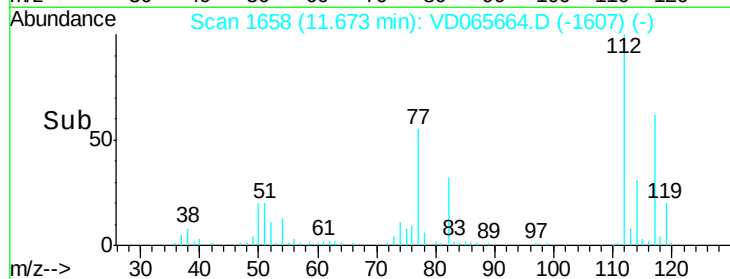
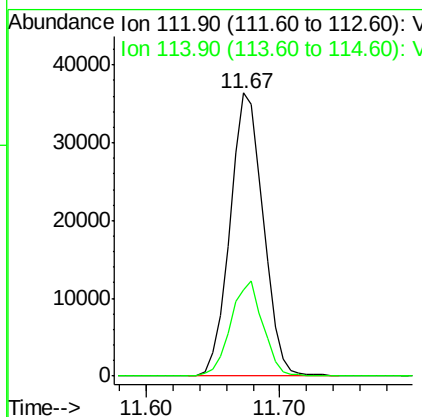
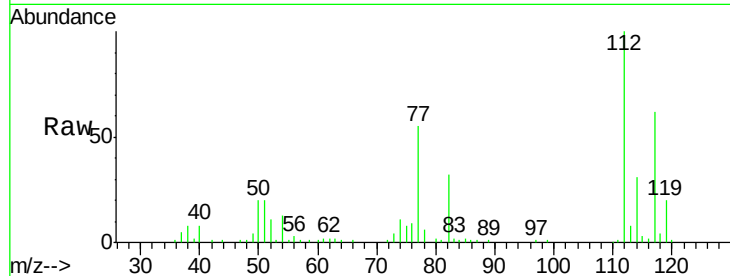
#65
Chlorobenzene
Concen: 11.016 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 63158
Ion Ratio Lower Upper
112 100
114 30.6 26.2 39.2

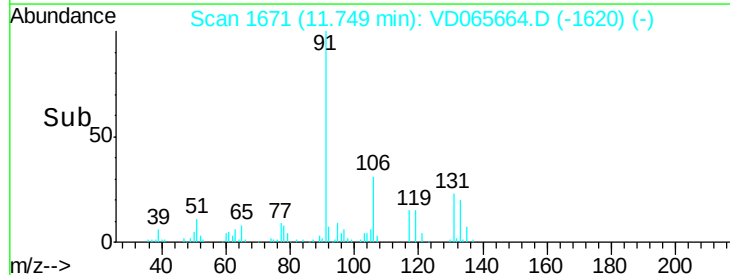
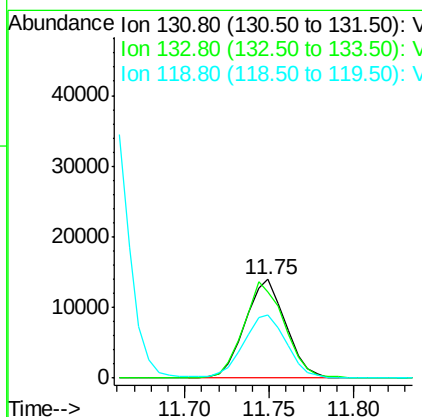
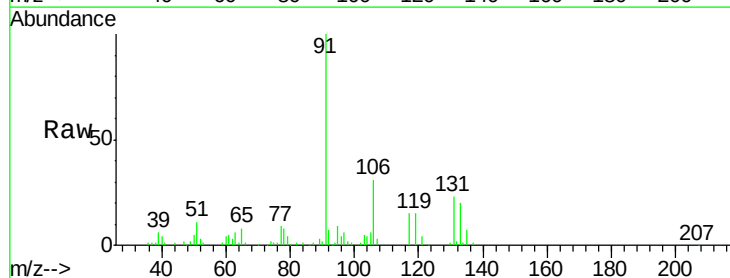
Manual Integrations
APPROVED

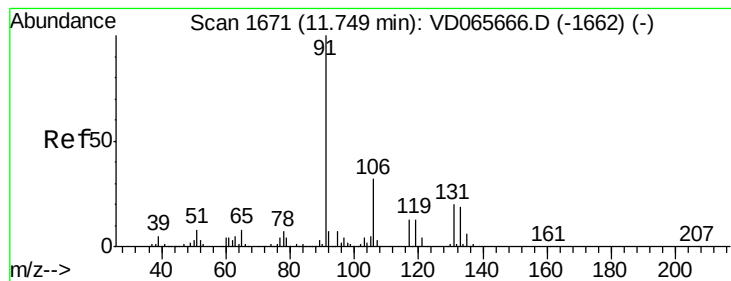
MMDadoda
4/23/2020 1:31:37 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 10.671 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion:131 Resp: 23380
Ion Ratio Lower Upper
131 100
133 98.6 48.6 145.8
119 67.9 32.3 96.9





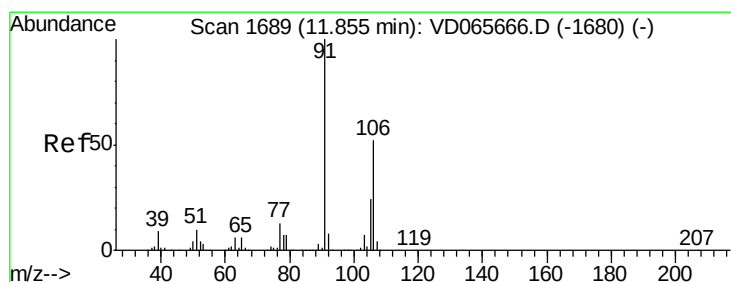
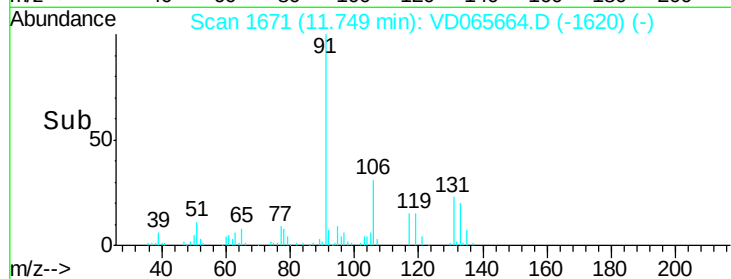
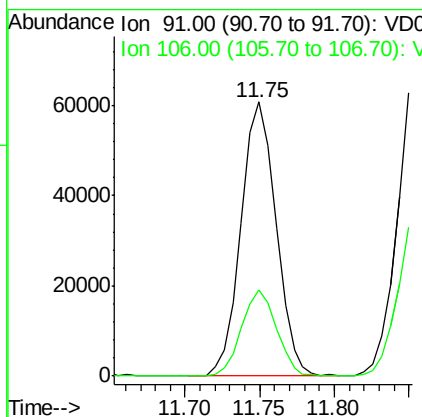
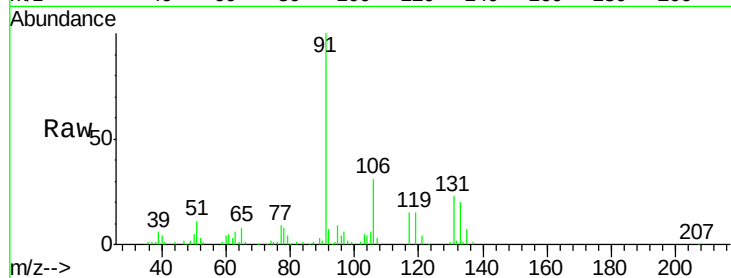
#67
Ethyl Benzene
Concen: 10.144 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	91	Resp	99375
Ion Ratio	100	Lower	Upper
106	31.4	25.3	37.9

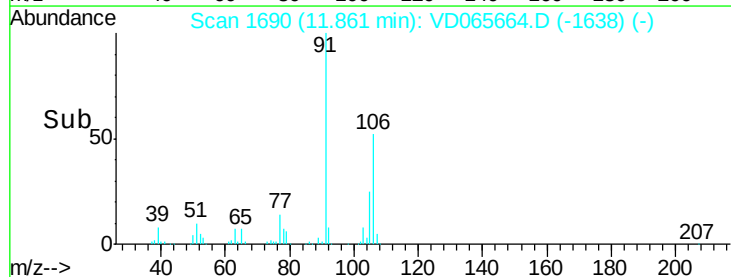
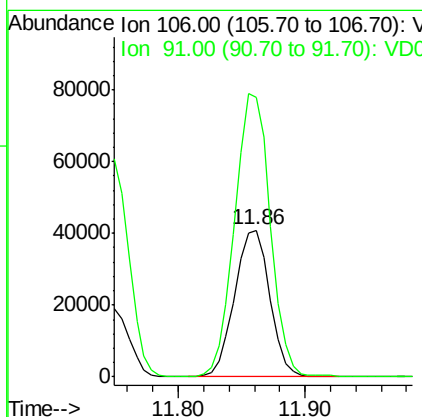
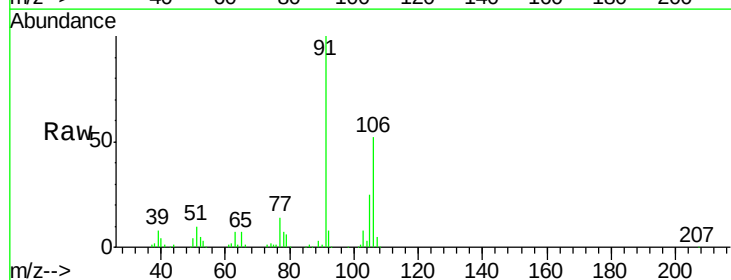
Manual Integrations
APPROVED

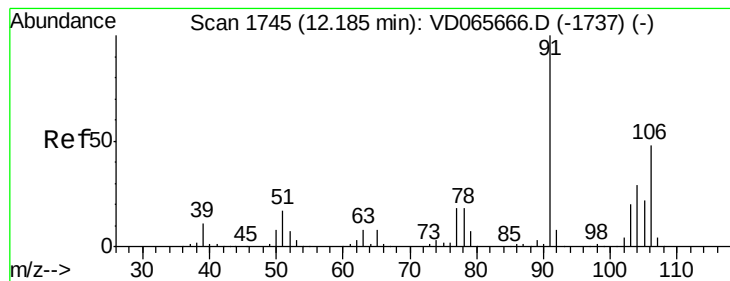
MMDadoda
4/23/2020 1:31:37 PM



#68
m/p-Xylenes
Concen: 20.699 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion	106	Resp	78440
Ion Ratio	100	Lower	Upper
91	196.0	155.8	233.6





#69

o-Xylene

Concen: 9.506 ug/l

RT: 12.18 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC010

Tot Ion:106 Resp: 31383

Ion Ratio Lower Upper

106 100

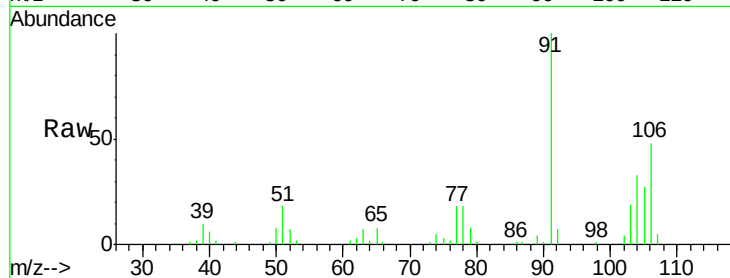
91 209.5 103.6 310.9

Manual Integrations

APPROVED

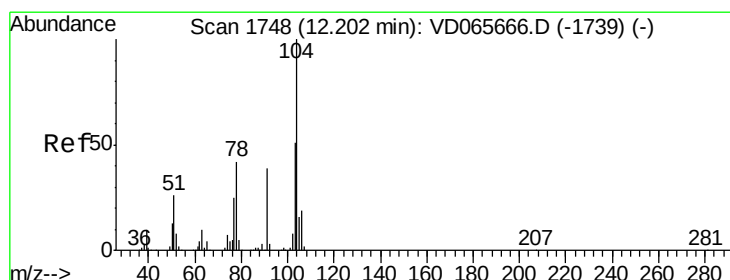
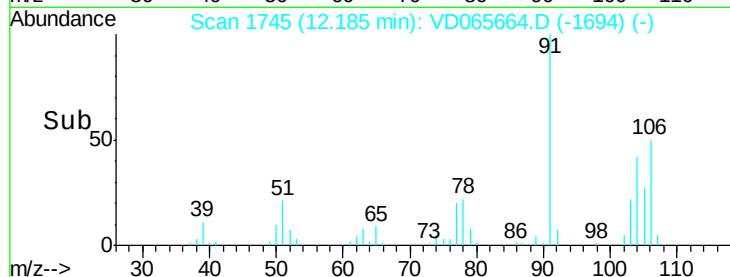
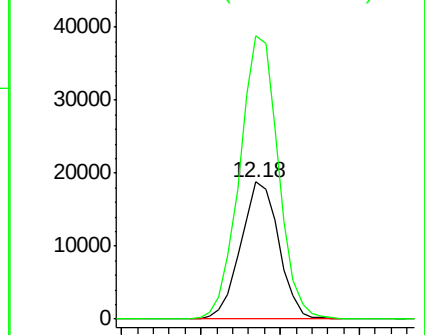
MMDadoda

4/23/2020 1:31:37 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V



#70

Styrene

Concen: 9.927 ug/l

RT: 12.20 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

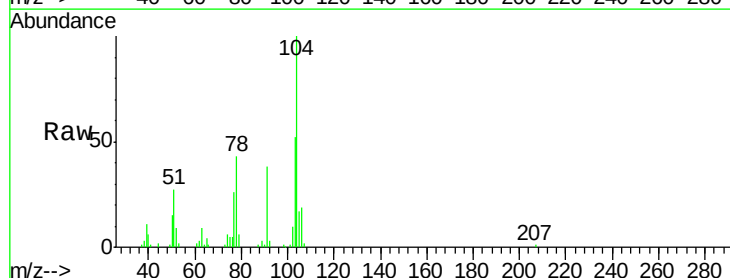
Tgt Ion:104 Resp: 58069

Ion Ratio Lower Upper

104 100

78 47.3 37.4 56.0

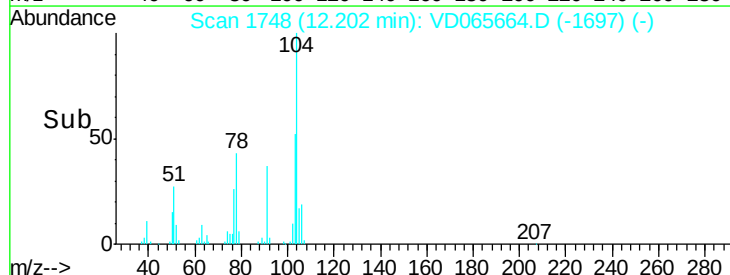
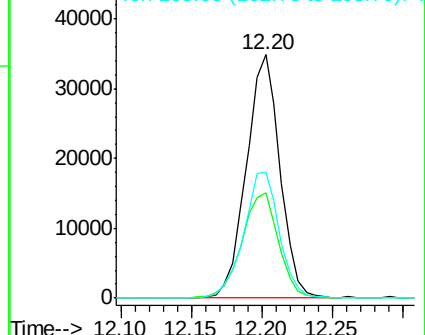
103 54.9 43.6 65.4

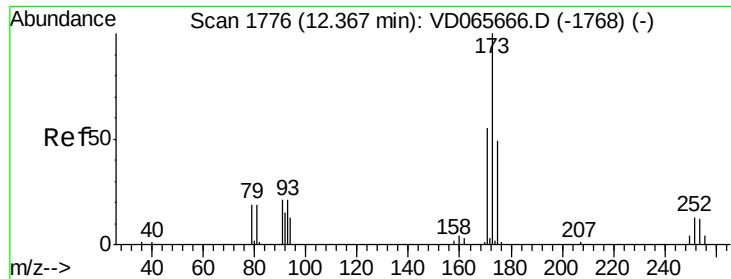


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V





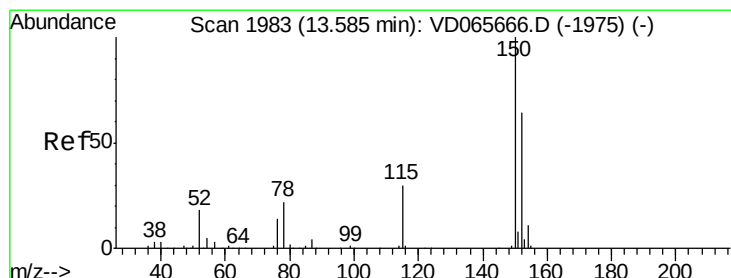
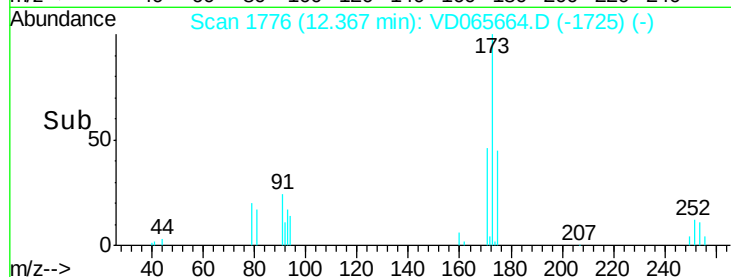
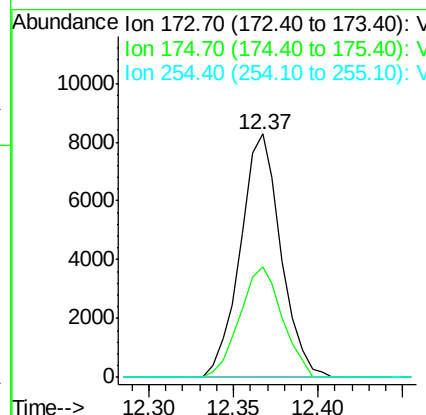
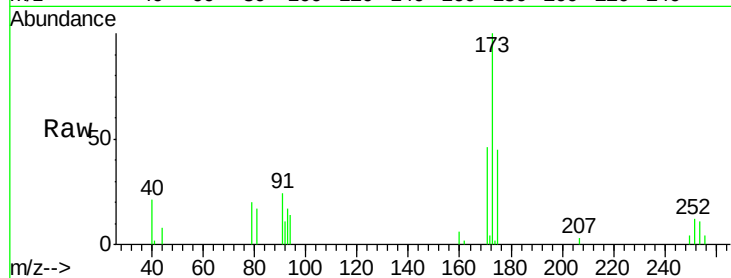
#71
Bromoform
Concen: 11.253 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	23.9	71.7
254	0.0	0.0	0.0

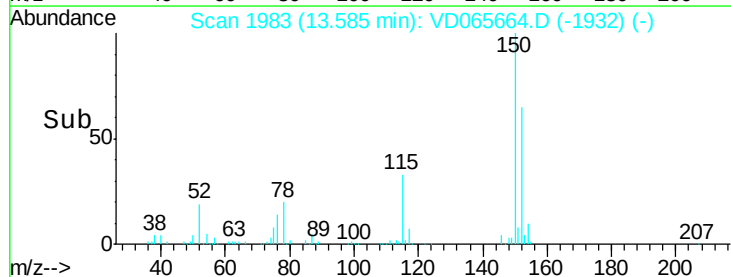
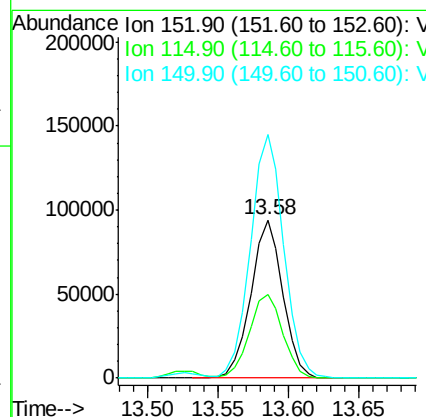
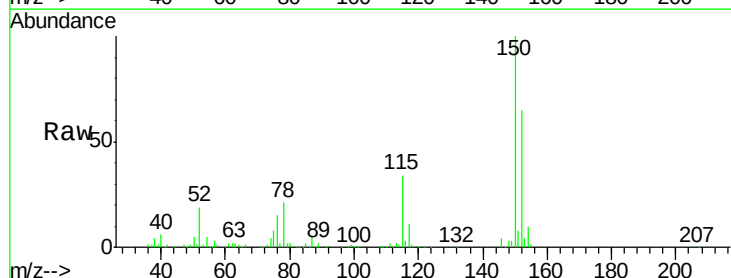
Manual Integrations
APPROVED

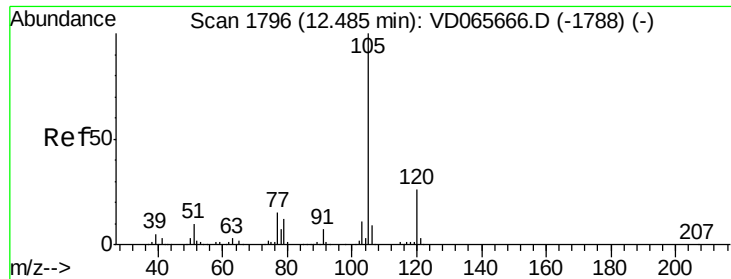
MMDadoda
4/23/2020 1:31:37 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.4	82.0
150	160.6	0.0	339.0





#73

Isopropylbenzene

Concen: 10.376 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 90488

Ion Ratio Lower Upper

105 100

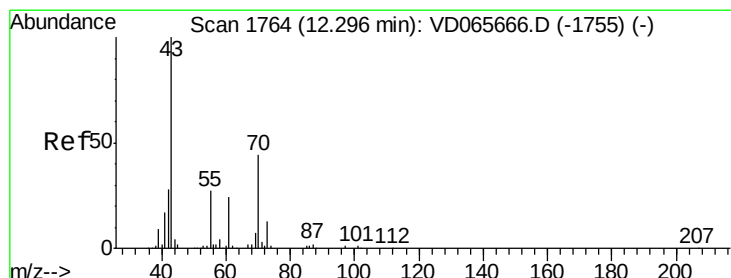
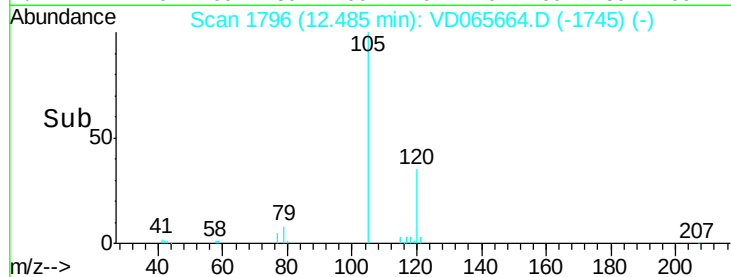
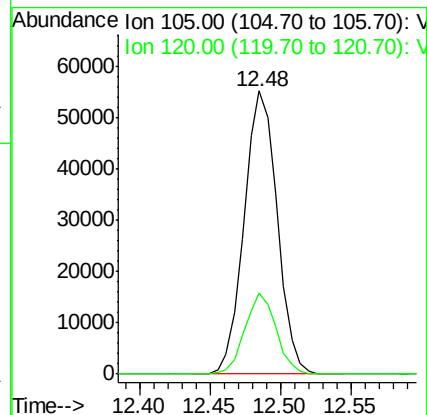
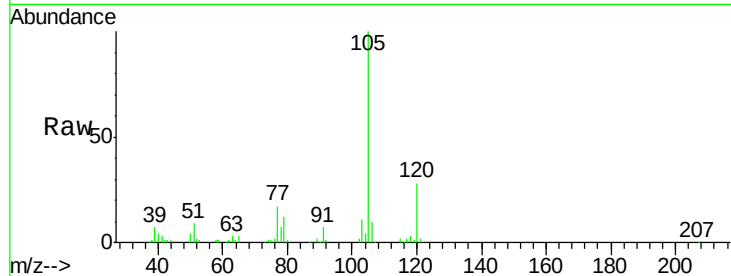
120 27.0 13.4 40.2

Manual Integrations

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4/23/2020 1:31:37 PM



#74

N-ethyl acetate

Concen: 10.315 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Tgt Ion: 43 Resp: 18952

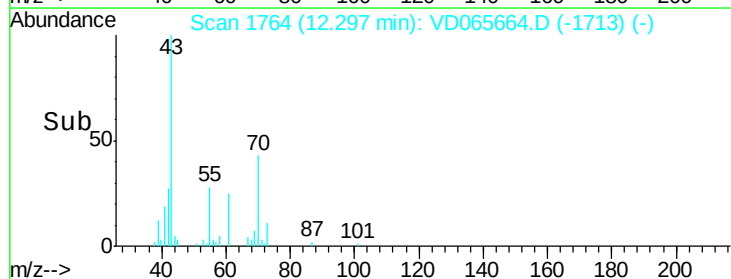
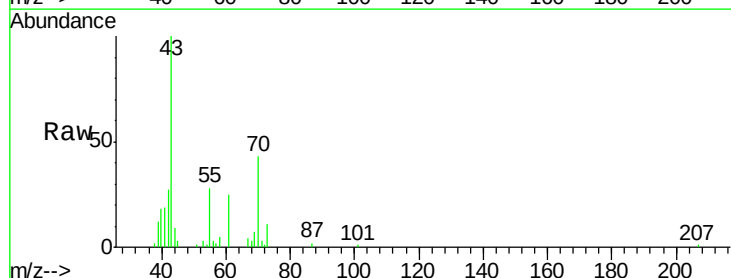
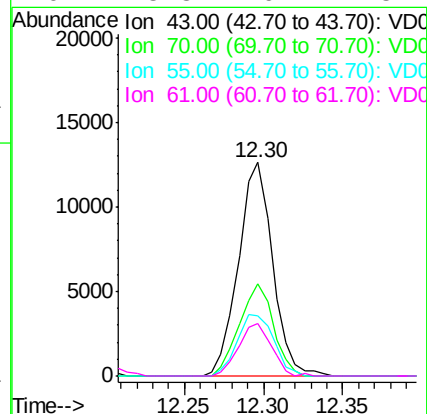
Ion Ratio Lower Upper

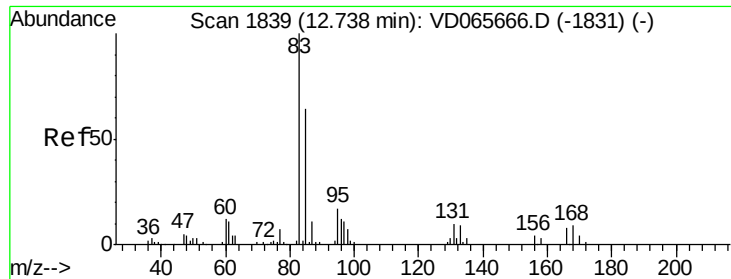
43 100

70 42.7 34.6 51.8

55 30.8 22.3 33.5

61 23.8 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 11.990 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

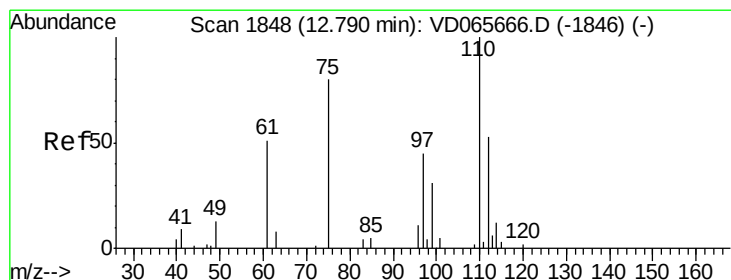
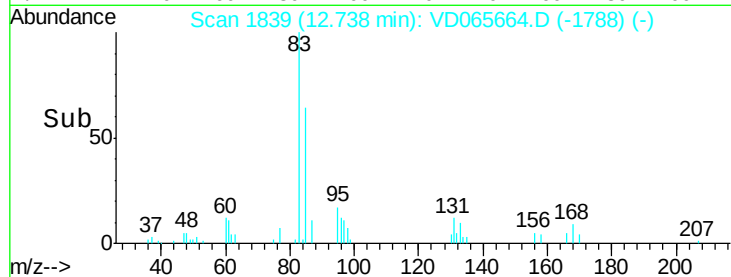
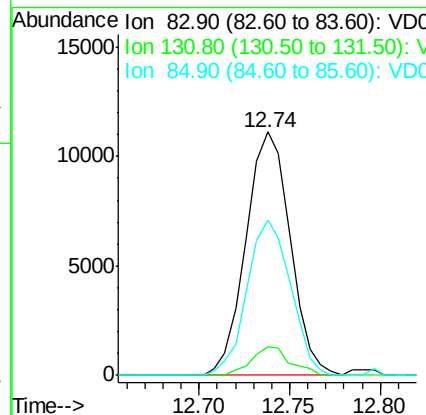
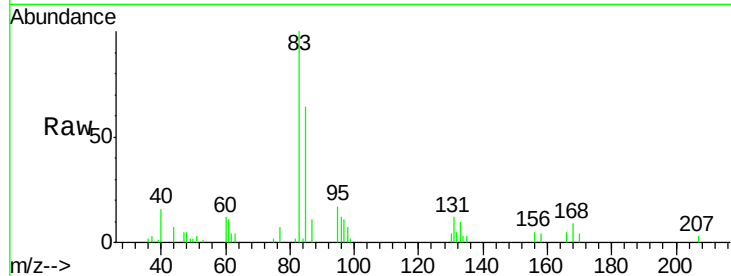
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	18928
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.7	17.1
85	62.7	31.9	95.9

Manual Integrations
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4/23/2020 1:31:37 PM



#76

1,2,3-Trichloropropane

Concen: 10.914 ug/l m

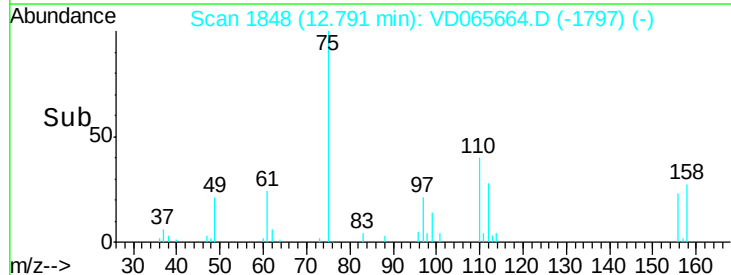
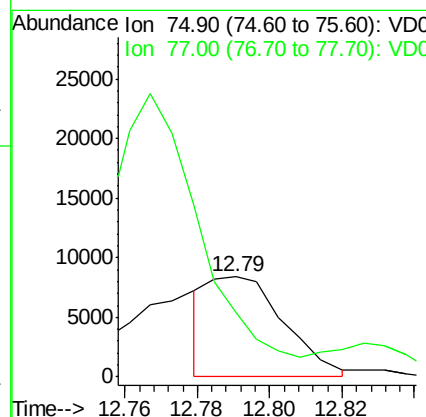
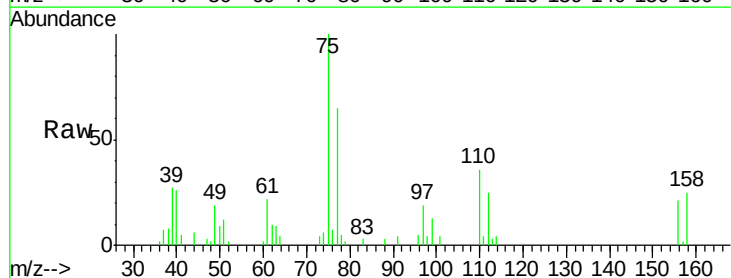
RT: 12.79 min Scan# 1848

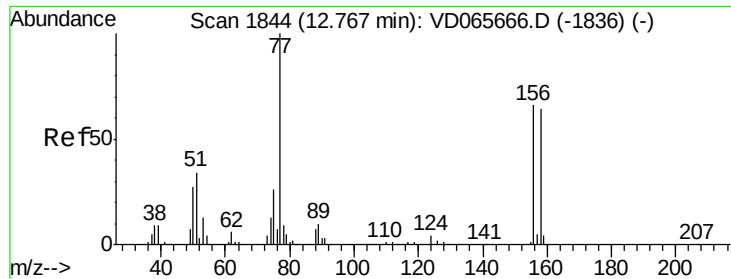
Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Tgt Ion:	75	Resp:	12314
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 10.822 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 24979

Ion Ratio Lower Upper

156 100

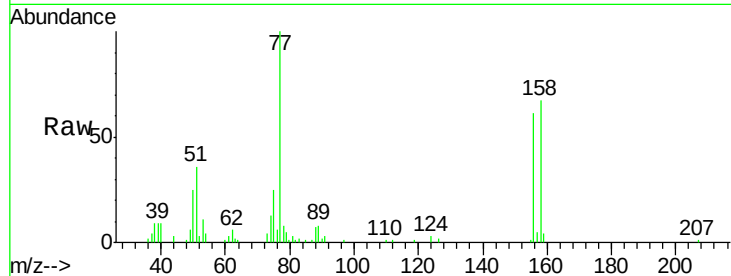
77 174.5 85.8 257.3

158 103.4 49.9 149.6

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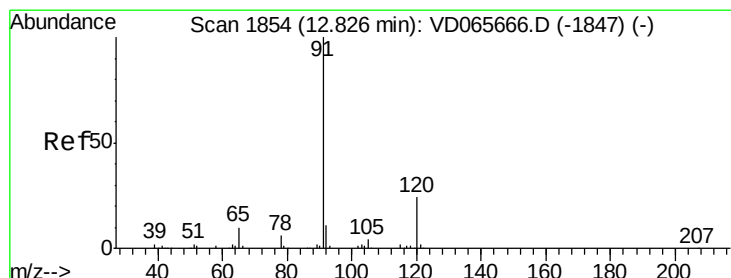
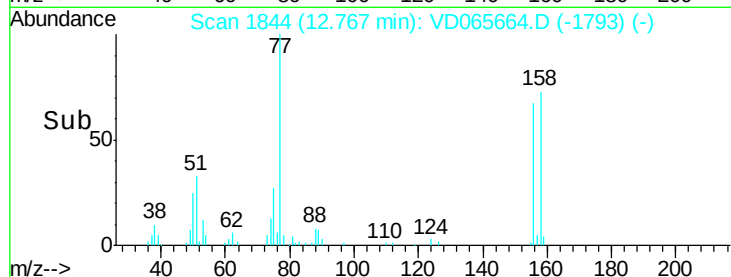
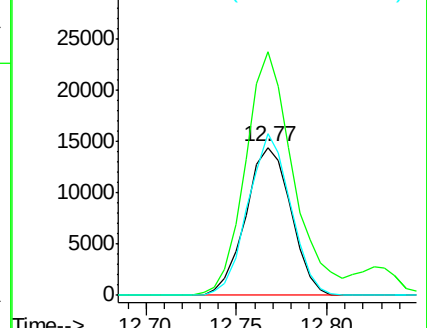
4/23/2020 1:31:37 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 10.513 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065664.D

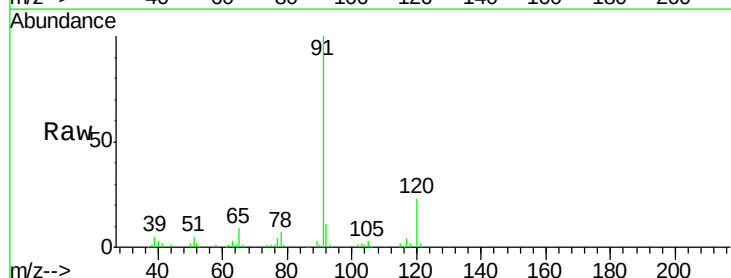
Acq: 22 Apr 2020 14:10

Tgt Ion: 91 Resp: 110937

Ion Ratio Lower Upper

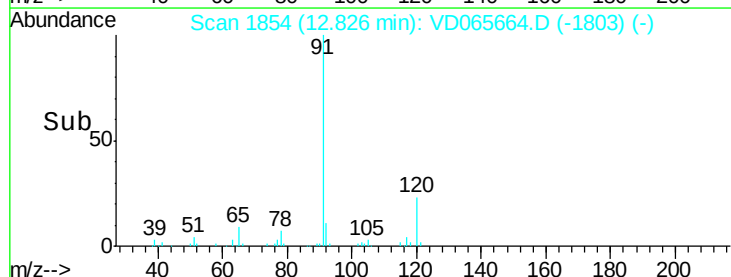
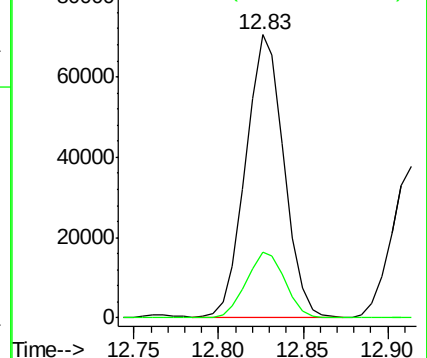
91 100

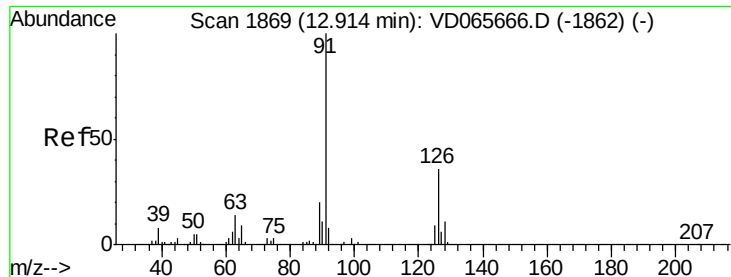
120 23.5 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.796 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 64810

Ion Ratio Lower Upper

91 100

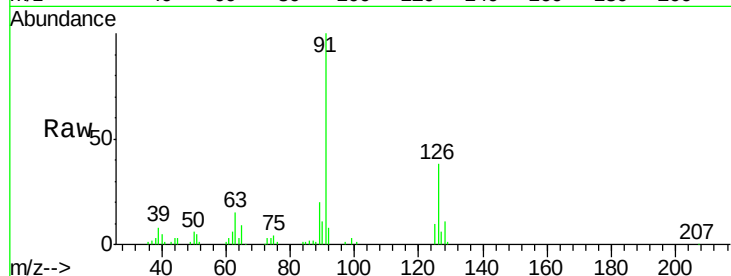
126 35.8 17.8 53.3

Manual Integrations

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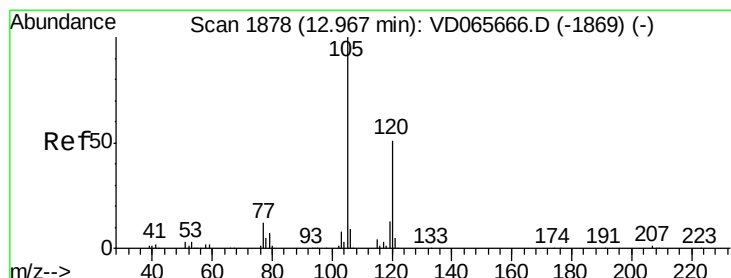
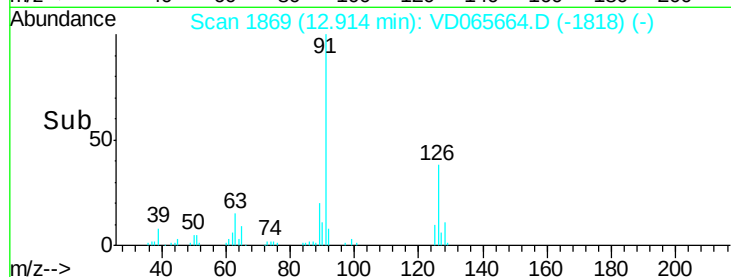
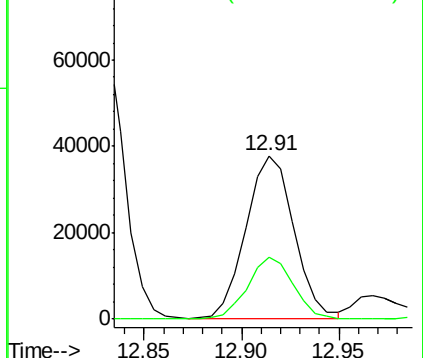
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VD065666.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065666.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 10.481 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065664.D

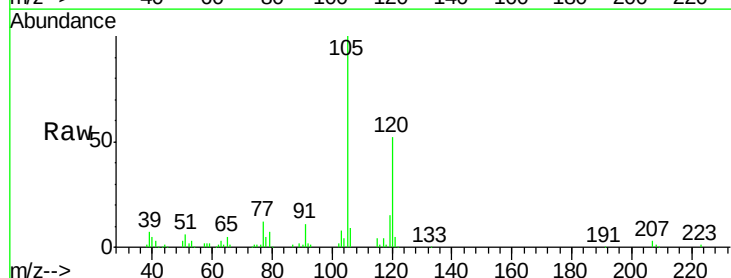
Acq: 22 Apr 2020 14:10

Tgt Ion: 105 Resp: 77208

Ion Ratio Lower Upper

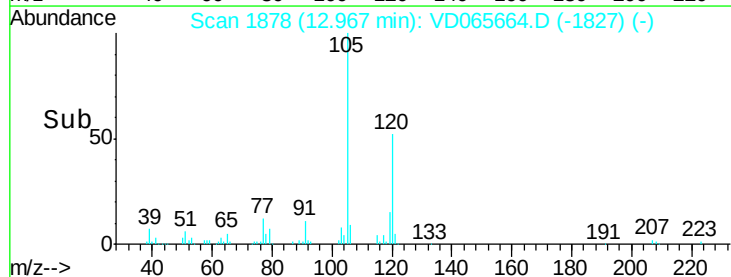
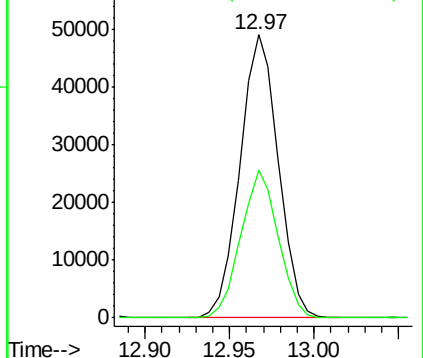
105 100

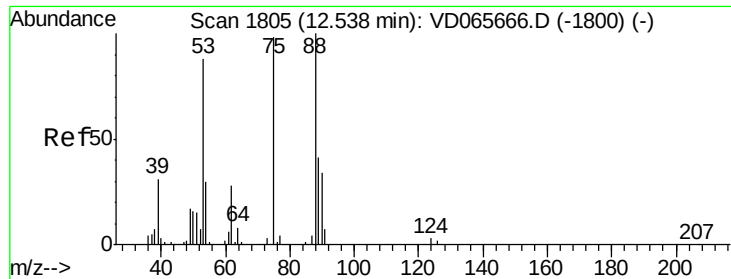
120 51.0 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065666.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065666.D (-1869) (-)





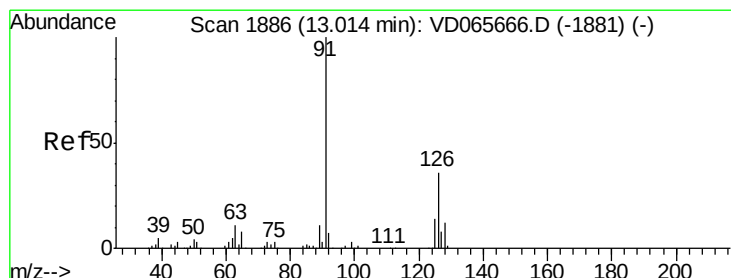
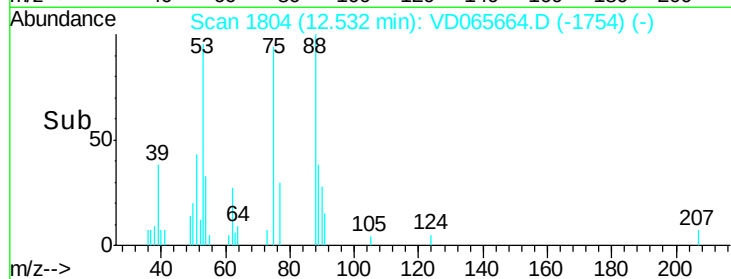
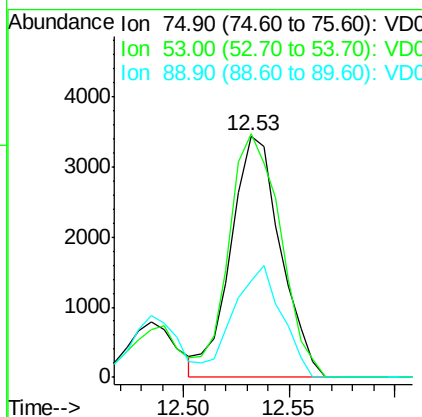
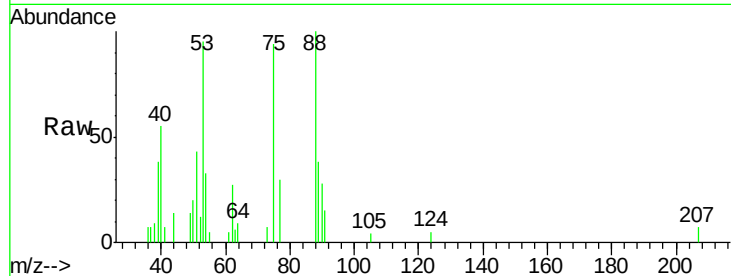
#81
trans-1,4-Dichloro-2-butene
Concen: 10.670 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.8	76.5	114.7
89	44.4	35.0	52.6

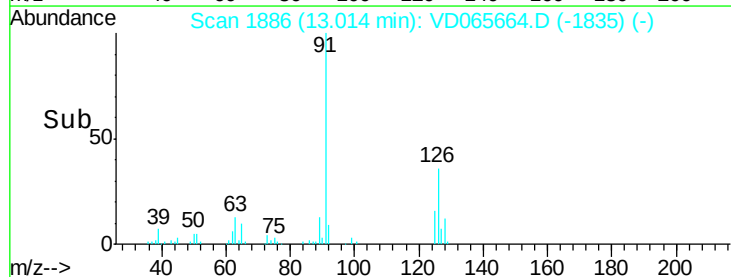
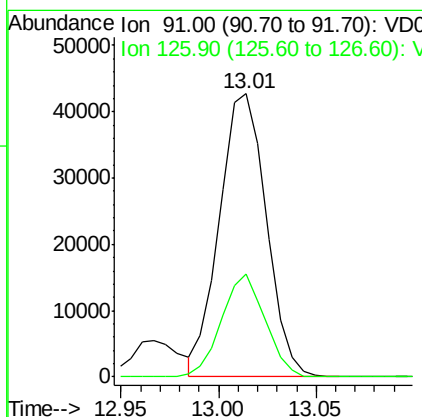
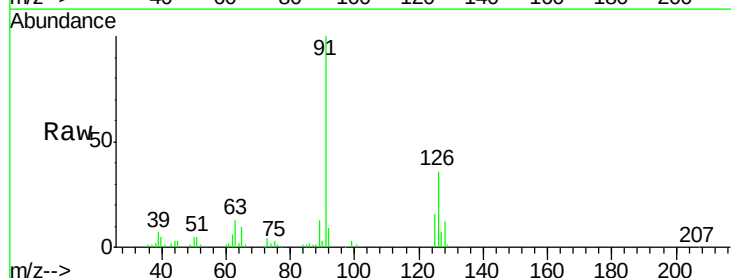
Manual Integrations
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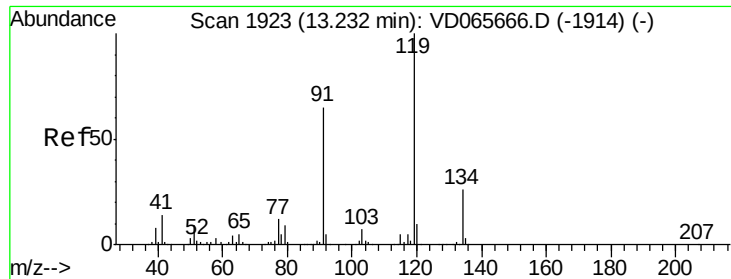
MMDadoda
4/23/2020 1:31:37 PM



#82
4-Chlorotoluene
Concen: 11.024 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.7	53.1





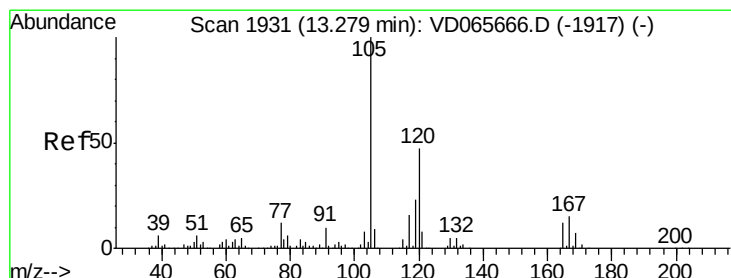
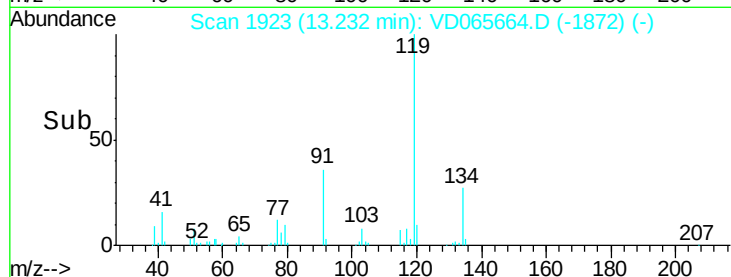
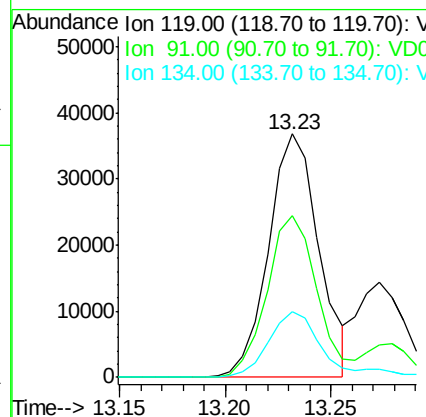
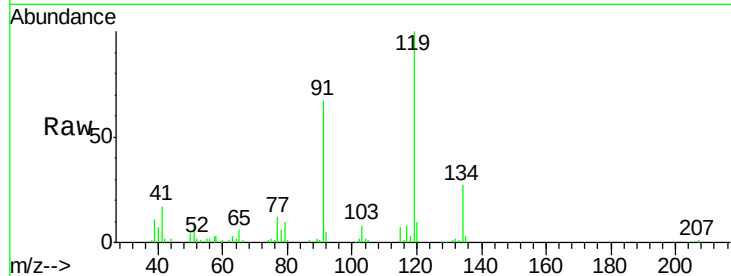
#83
tert-Butylbenzene
Concen: 9.903 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.4	31.9	95.7
134	26.9	14.1	42.3

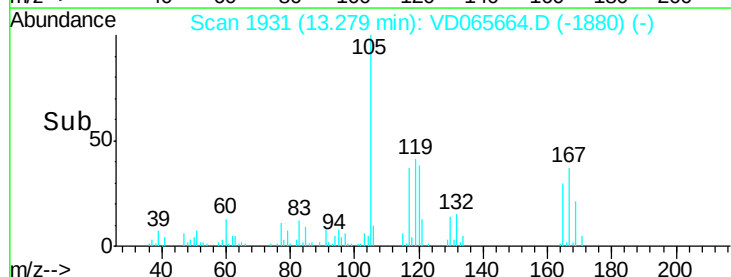
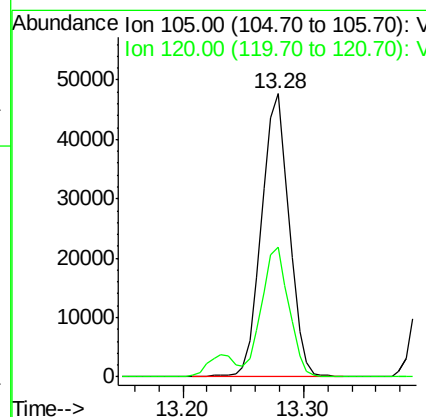
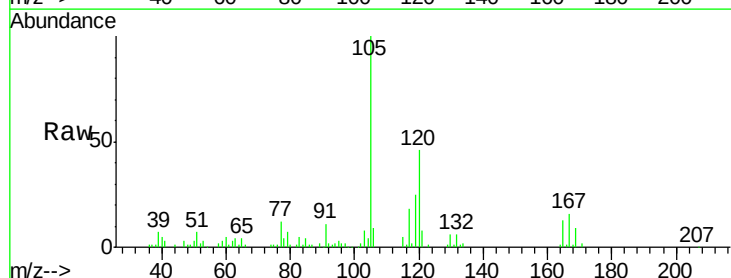
Manual Integrations
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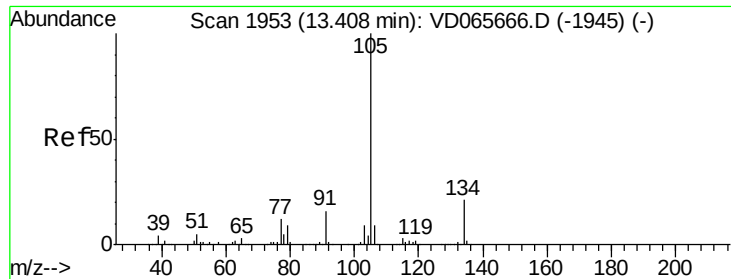
MMDadoda
4/23/2020 1:31:37 PM



#84
1,2,4-Trimethylbenzene
Concen: 10.355 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	23.5	70.6





#85

sec-Butylbenzene

Concen: 10.220 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 90309

Ion Ratio Lower Upper

105 100

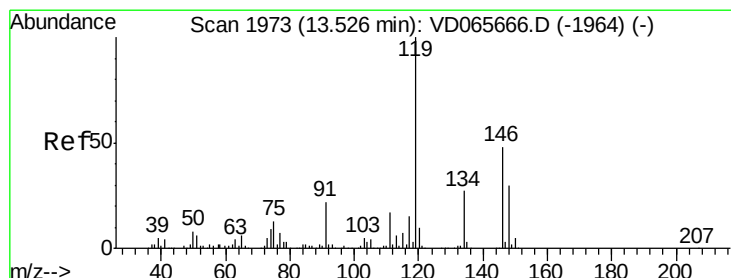
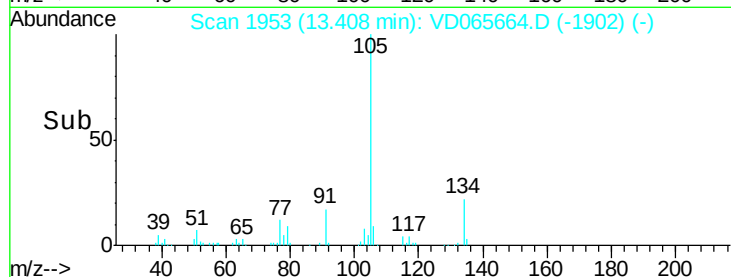
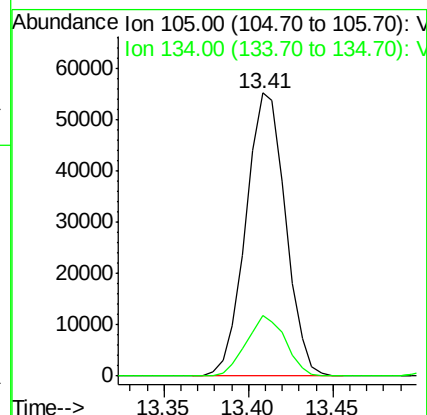
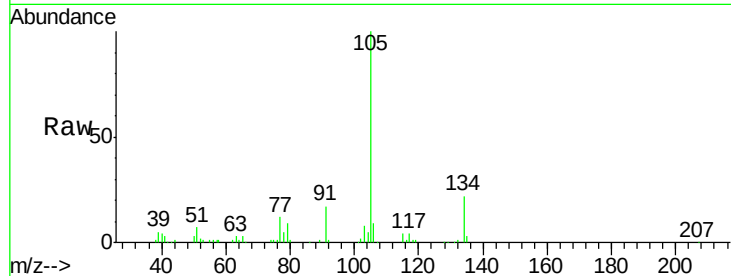
134 21.1 10.5 31.5

Manual Integrations

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4/23/2020 1:31:37 PM



#86

p-Isopropyltoluene

Concen: 9.630 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

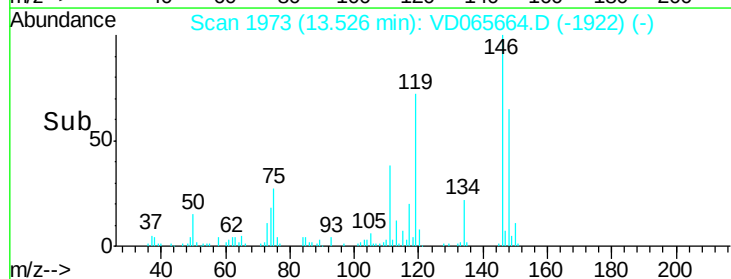
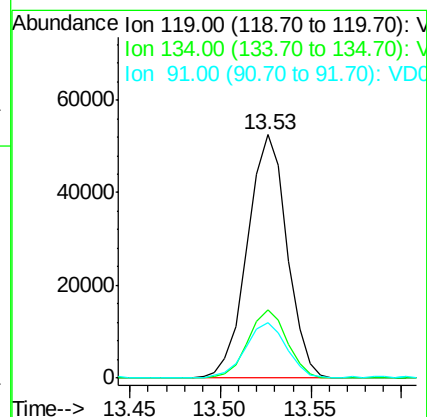
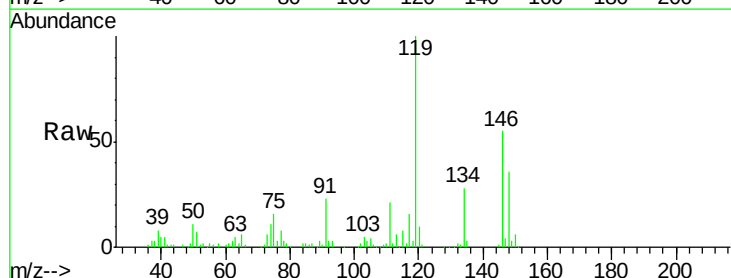
Tgt Ion:119 Resp: 79943

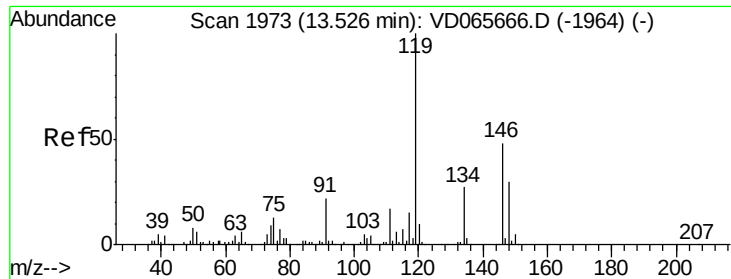
Ion Ratio Lower Upper

119 100

134 27.5 13.4 40.2

91 23.6 10.9 32.7





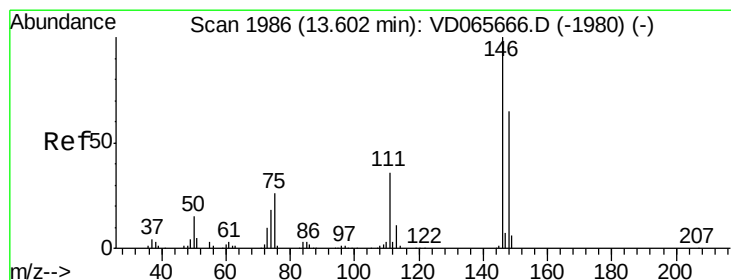
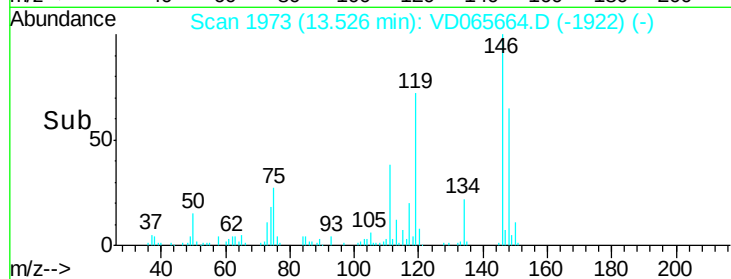
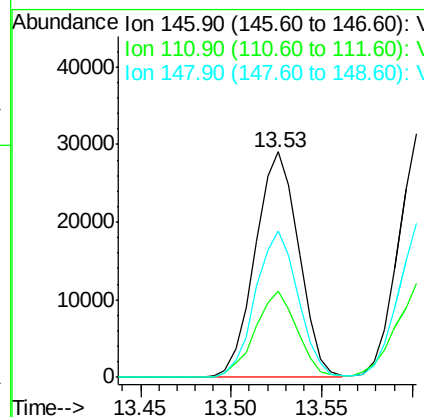
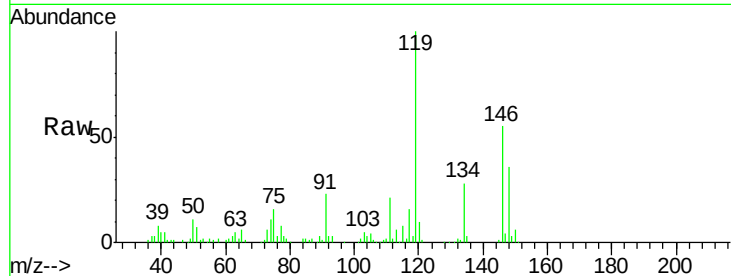
#87
 1,3-Dichlorobenzene
 Concen: 10.685 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.6	56.0
148	63.5	31.9	95.9

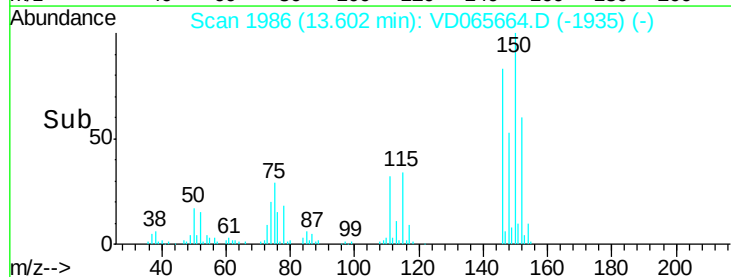
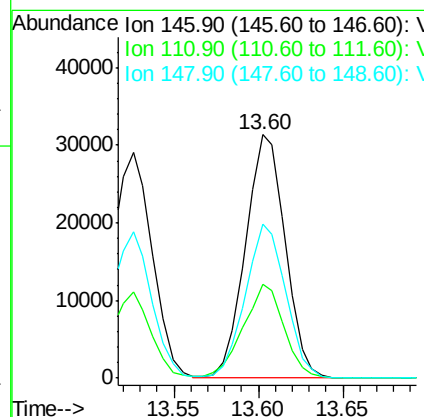
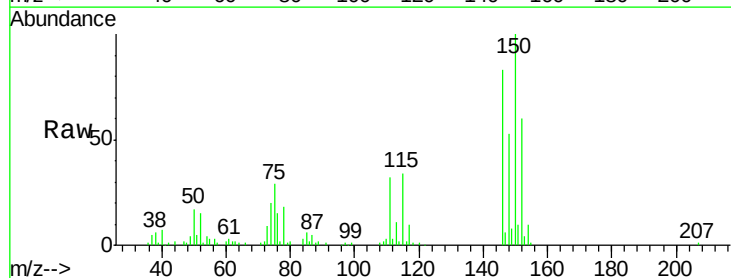
Manual Integrations
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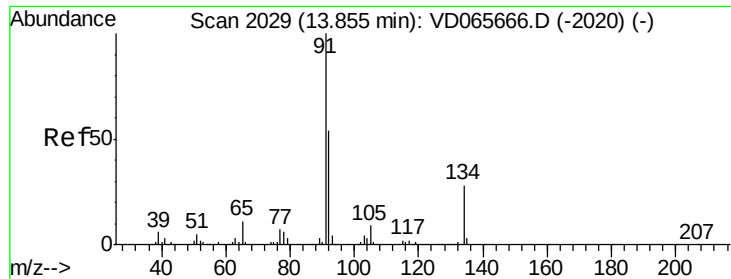
MMDadoda
 4/23/2020 1:31:37 PM



#88
 1,4-Dichlorobenzene
 Concen: 11.374 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	18.1	54.1
148	64.5	31.9	95.5





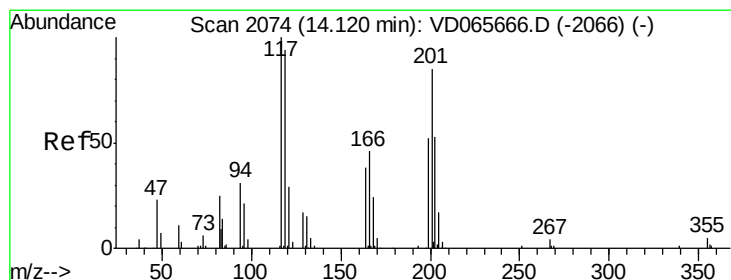
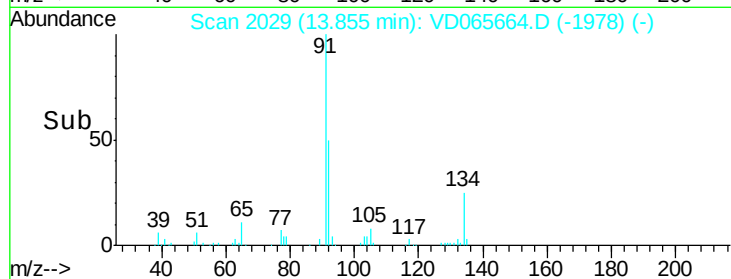
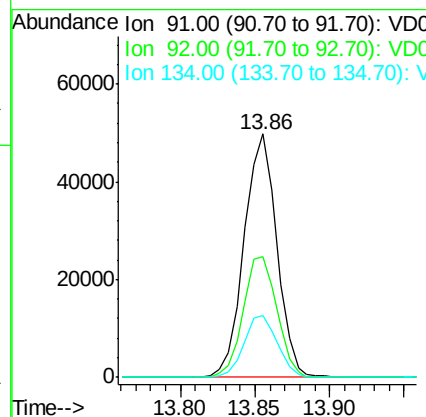
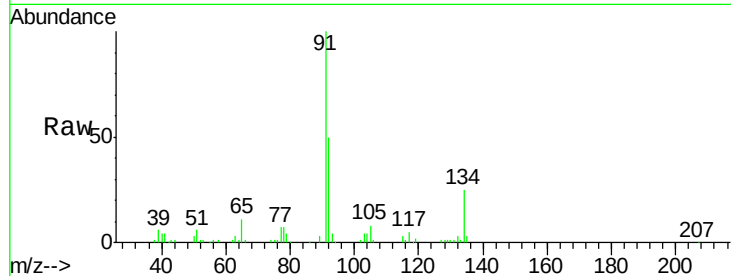
#89
n-Butylbenzene
Concen: 10.031 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	27.1	81.2
134	25.9	13.7	41.0

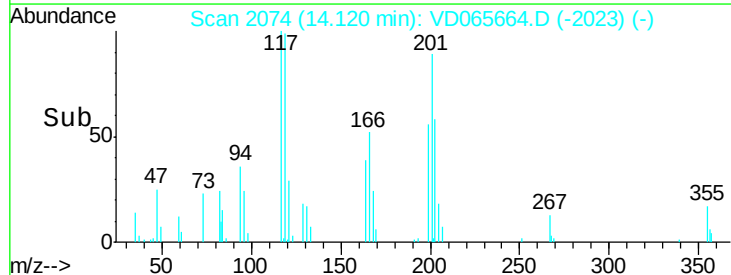
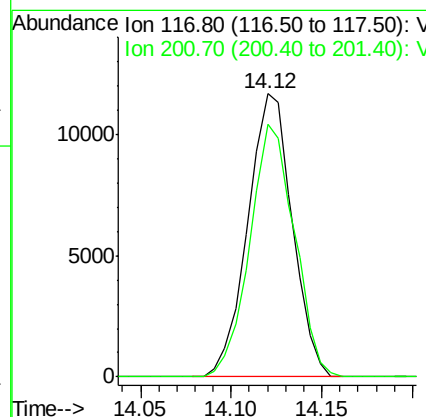
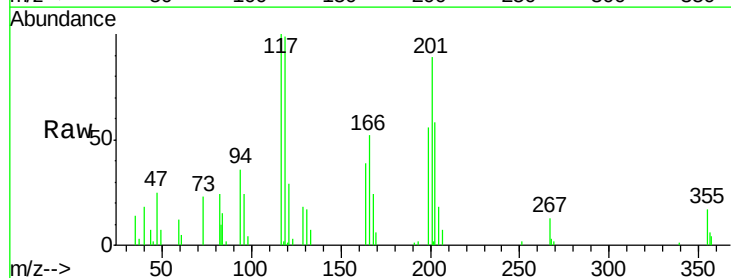
Manual Integrations
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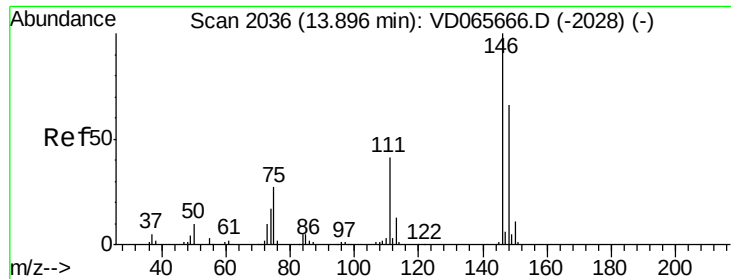
MMDadoda
4/23/2020 1:31:37 PM



#90
Hexachloroethane
Concen: 11.402 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.4	44.6	134.0





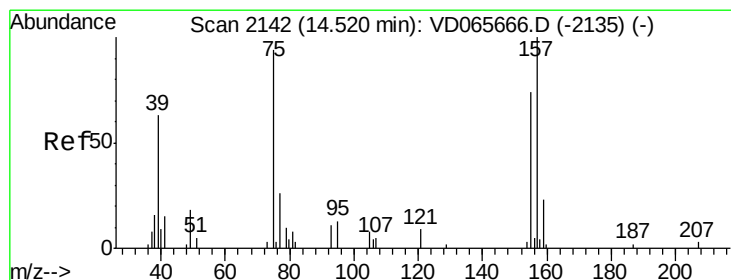
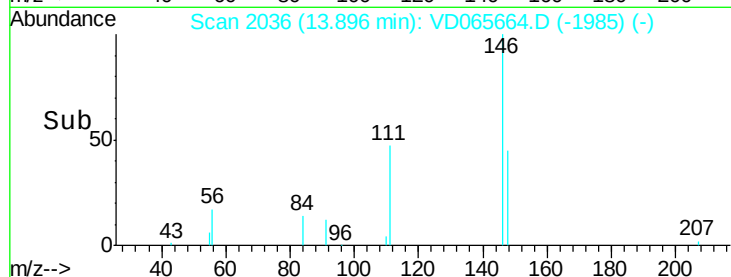
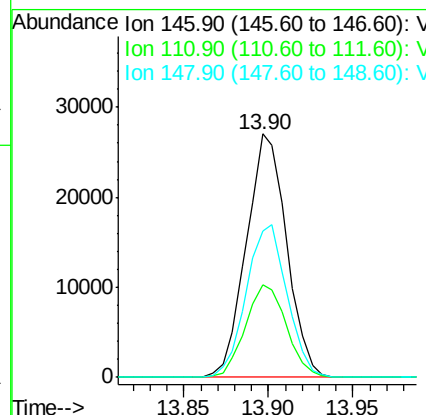
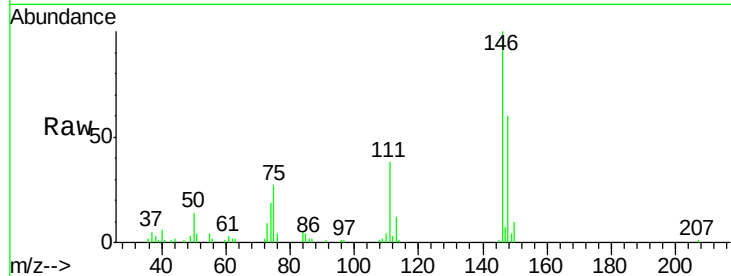
#91
 1,2-Dichlorobenzene
 Concen: 11.537 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.1
148	63.3	32.2	96.6

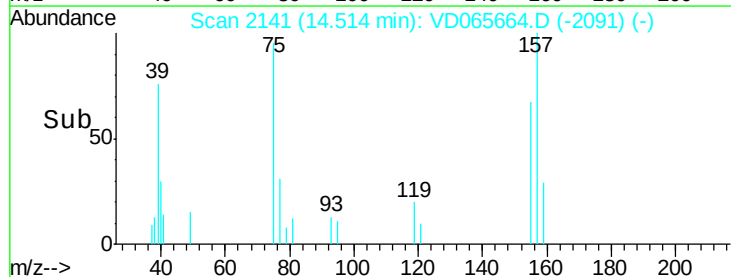
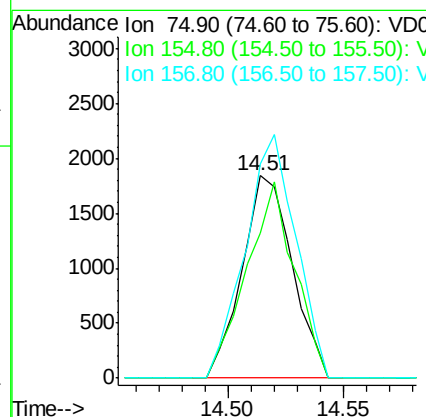
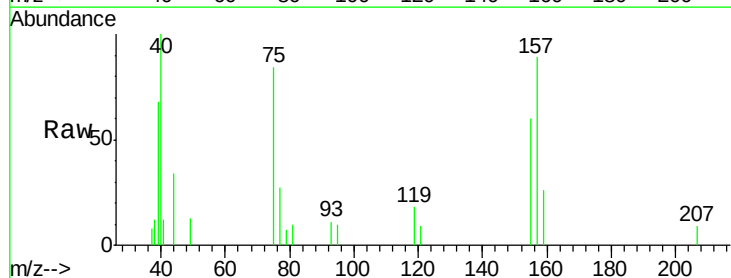
Manual Integrations
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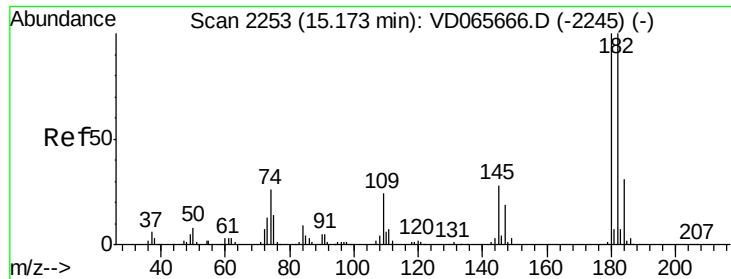
MMDadoda
 4/23/2020 1:31:37 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.652 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.5	40.6	122.0
157	121.0	52.8	158.5





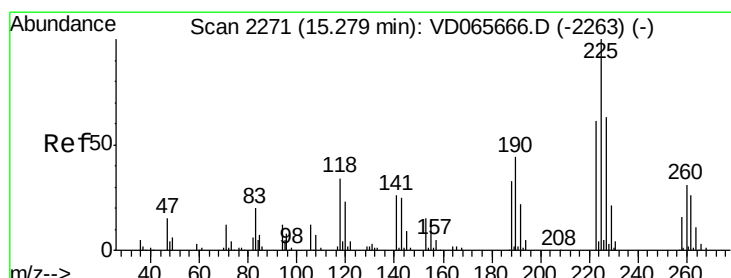
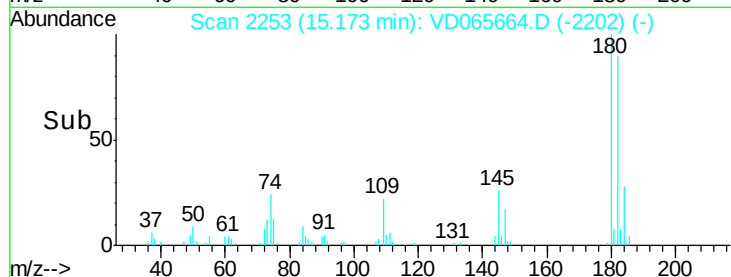
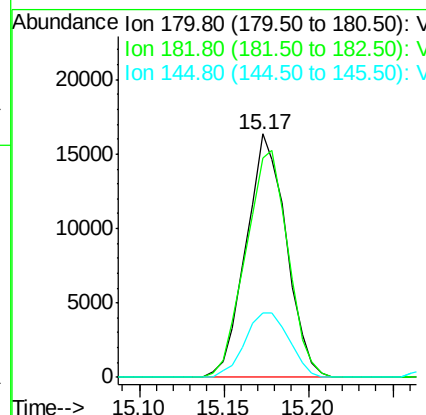
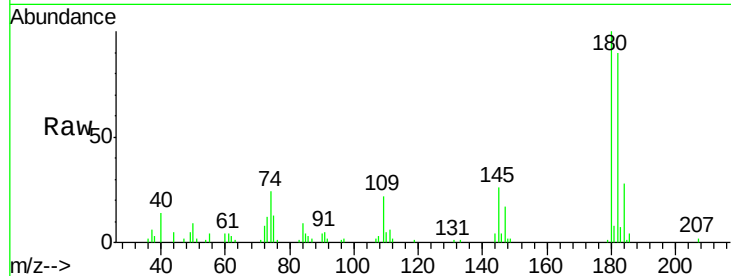
#93
 1,2,4-Trichlorobenzene
 Concen: 10.174 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.4	142.2
145	29.1	14.1	42.4

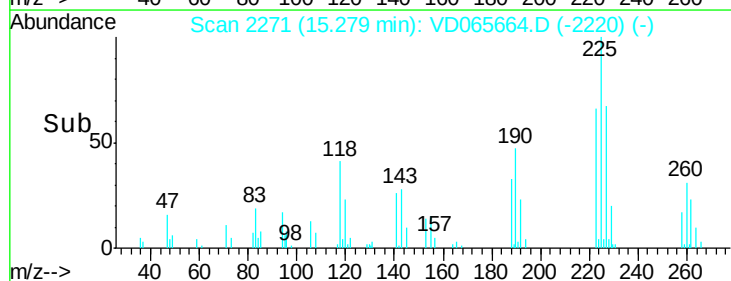
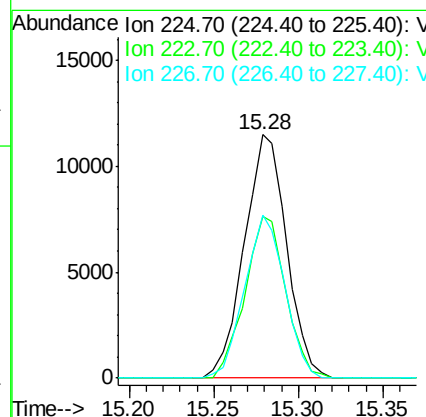
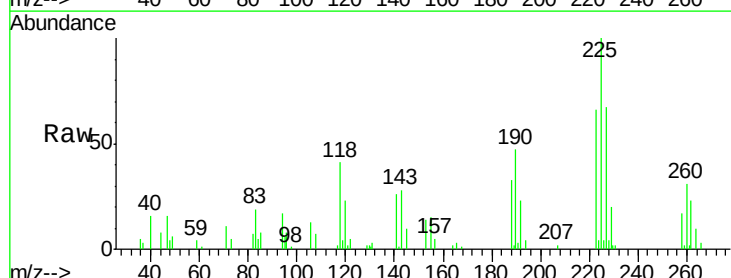
Manual Integrations
 APPROVED

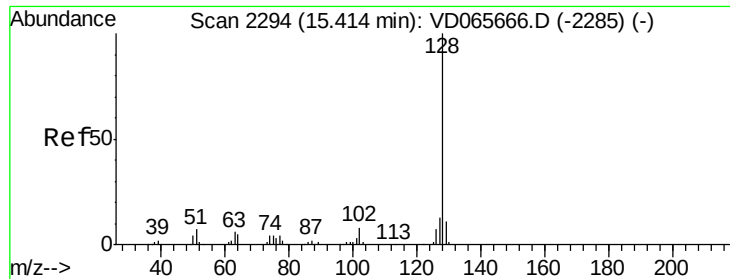
MMDadoda
 4/23/2020 1:31:37 PM



#94
 Hexachlorobutadiene
 Concen: 10.898 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	30.8	92.4
227	63.5	32.1	96.5





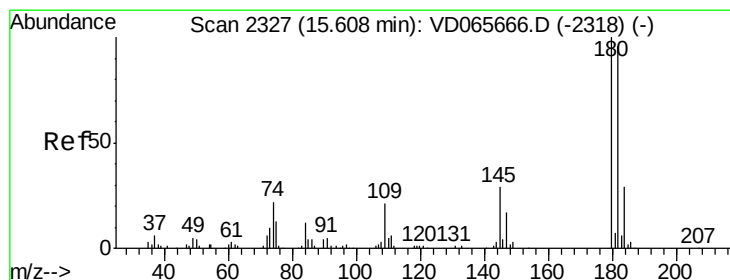
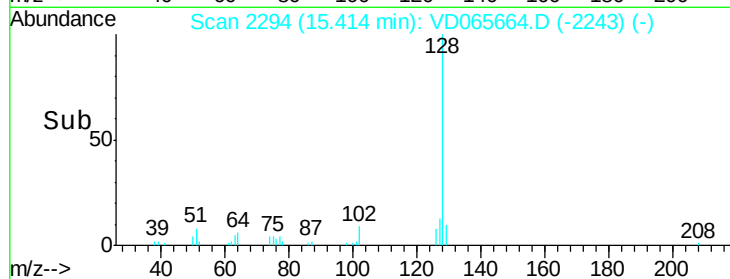
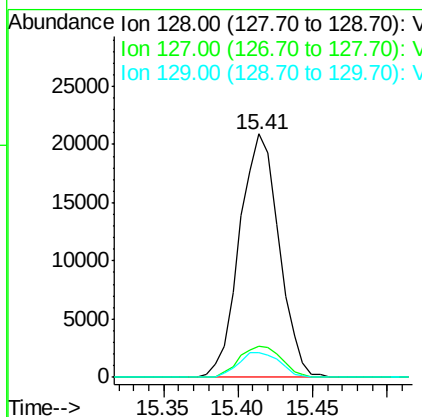
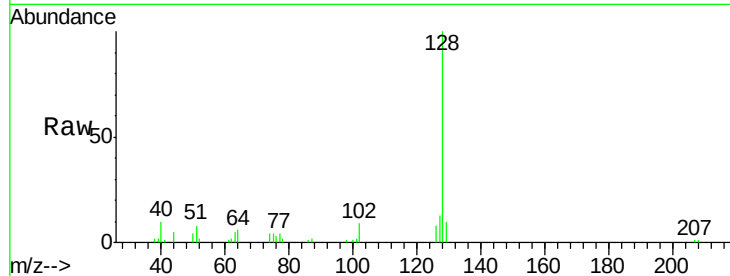
#95
Naphthalene
Concen: 9.800 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.6	15.8
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
4/23/2020 1:31:37 PM



#96
1,2,3-Trichlorobenzene
Concen: 10.408 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.4	142.3
145	30.0	14.6	44.0

