

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020520\
 Data File : VD065064.D
 Acq On : 05 Feb 2020 15:03
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 10:37:18 AM

Quant Time: Feb 05 15:36:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:24:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	617061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	872221	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	774101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	377934	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	527219	90.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	181.78%	
35) Dibromofluoromethane	7.92	113	516049	95.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.78%	
50) Toluene-d8	10.34	98	2072548	99.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.96%	
62) 4-Bromofluorobenzene	12.64	95	641120	99.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	502404	105.714	ug/l	99
3) Chloromethane	2.21	50	559747	83.667	ug/l	96
4) Vinyl Chloride	2.35	62	623197	81.729	ug/l	99
5) Bromomethane	2.76	94	382780	74.997	ug/l	99
6) Chloroethane	2.92	64	382133	76.666	ug/l	97
7) Trichlorofluoromethane	3.27	101	914152	78.206	ug/l	97
8) Diethyl Ether	3.70	74	249854	91.884	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	551026	97.171	ug/l	100
10) Methyl Iodide	4.29	142	707419	117.094	ug/l	99
11) Tert butyl alcohol	5.25	59	149987	471.990	ug/l	98
12) 1,1-Dichloroethene	4.06	96	526575	97.348	ug/l	99
13) Acrolein	3.92	56	180737	445.308	ug/l	98
14) Allyl chloride	4.71	41	880184	101.537	ug/l	99
15) Acrylonitrile	5.43	53	567117	481.819	ug/l	99
16) Acetone	4.17	43	623917	501.068	ug/l	99
17) Carbon Disulfide	4.40	76	1705757	96.132	ug/l	99
18) Methyl Acetate	4.73	43	260170	94.547	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	1161582	97.088	ug/l	96
20) Methylene Chloride	4.96	84	547821	79.727	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	590080	95.312	ug/l	98
22) Diisopropyl ether	6.37	45	1662978	97.360	ug/l	97
23) Vinyl Acetate	6.31	43	4878913	492.830	ug/l	100
24) 1,1-Dichloroethane	6.26	63	982257	93.739	ug/l	100
25) 2-Butanone	7.22	43	759675	482.712	ug/l	97
26) 2,2-Dichloropropane	7.21	77	911970	95.373	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	632115	95.405	ug/l	99
28) Bromochloromethane	7.55	49	383546	94.658	ug/l	99
29) Tetrahydrofuran	7.57	42	462547	474.433	ug/l	99
30) Chloroform	7.71	83	984031	91.194	ug/l	94
31) Cyclohexane	7.98	56	982994	94.676	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	937670	93.336	ug/l	99
36) 1,1-Dichloropropene	8.11	75	829496	98.787	ug/l	99
37) Ethyl Acetate	7.30	43	332524	96.227	ug/l	99
38) Carbon Tetrachloride	8.10	117	853058	96.815	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1040775	105.125	ug/l	100
40) Benzene	8.36	78	2274836	98.461	ug/l	99
41) Methacrylonitrile	7.53	41	189952	104.421	ug/l	94
42) 1,2-Dichloroethane	8.43	62	632964	92.673	ug/l	99
43) Isopropyl Acetate	8.46	43	642048	97.846	ug/l	100
44) Trichloroethene	9.11	130	640705	98.445	ug/l	98
45) 1,2-Dichloropropane	9.39	63	543492	96.796	ug/l	97
46) Dibromomethane	9.48	93	280368	92.185	ug/l	98
47) Bromodichloromethane	9.67	83	751620	94.930	ug/l	98
48) Methyl methacrylate	9.46	41	307637	101.882	ug/l	99
49) 1,4-Dioxane	9.47	88	67591	1933.850	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	1610895	493.692	ug/l	99
52) Toluene	10.41	92	1463057	98.117	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	743909	98.592	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	886252	99.908	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	385092	94.092	ug/l	98
56) Ethyl methacrylate	10.67	69	515410	104.945	ug/l	99
57) 1,3-Dichloropropane	10.95	76	675711	96.076	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	767365	448.589	ug/l	100
59) 2-Hexanone	10.99	43	1172420	519.137	ug/l	99
60) Dibromochloromethane	11.14	129	508326	93.213	ug/l	99
61) 1,2-Dibromoethane	11.26	107	376880	95.418	ug/l	100
64) Tetrachloroethene	10.88	164	560896	99.908	ug/l	96
65) Chlorobenzene	11.68	112	1500562	95.246	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	566923	96.118	ug/l	99
67) Ethyl Benzene	11.75	91	2807943	100.552	ug/l	99
68) m/p-Xylenes	11.86	106	2125966	197.797	ug/l	100
69) o-Xylene	12.18	106	963355	100.750	ug/l	99
70) Styrene	12.20	104	1694273	100.145	ug/l	100
71) Bromoform	12.37	173	295886	91.173	ug/l #	99
73) Isopropylbenzene	12.48	105	2645789	102.202	ug/l	100
74) N-amyl acetate	12.30	43	585972	101.752	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	396162	92.000	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	292544m	95.718	ug/l	
77) Bromobenzene	12.77	156	607683	96.216	ug/l	98
78) n-propylbenzene	12.83	91	3086838	100.355	ug/l	100
79) 2-Chlorotoluene	12.91	91	1684783	99.668	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	2130090	100.445	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	148221	101.143	ug/l	97
82) 4-Chlorotoluene	13.01	91	1761575	98.358	ug/l	100
83) tert-Butylbenzene	13.23	119	1904646	105.964	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	2131755	99.533	ug/l	99
85) sec-Butylbenzene	13.41	105	2566334	100.531	ug/l	100
86) p-Isopropyltoluene	13.53	119	2399243	100.904	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	1166340	96.471	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	1121455	93.474	ug/l	99
89) n-Butylbenzene	13.86	91	2186354	100.743	ug/l	98
90) Hexachloroethane	14.13	117	434150	94.903	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	972097	94.774	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	63906	92.150	ug/l	93

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QLast Update : Wed Feb 05 15:24:15 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	694376	97.211	ug/l	99
94) Hexachlorobutadiene	15.28	225	428091	94.746	ug/l	99
95) Naphthalene	15.41	128	1182991	103.049	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	590675	96.201	ug/l	99

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

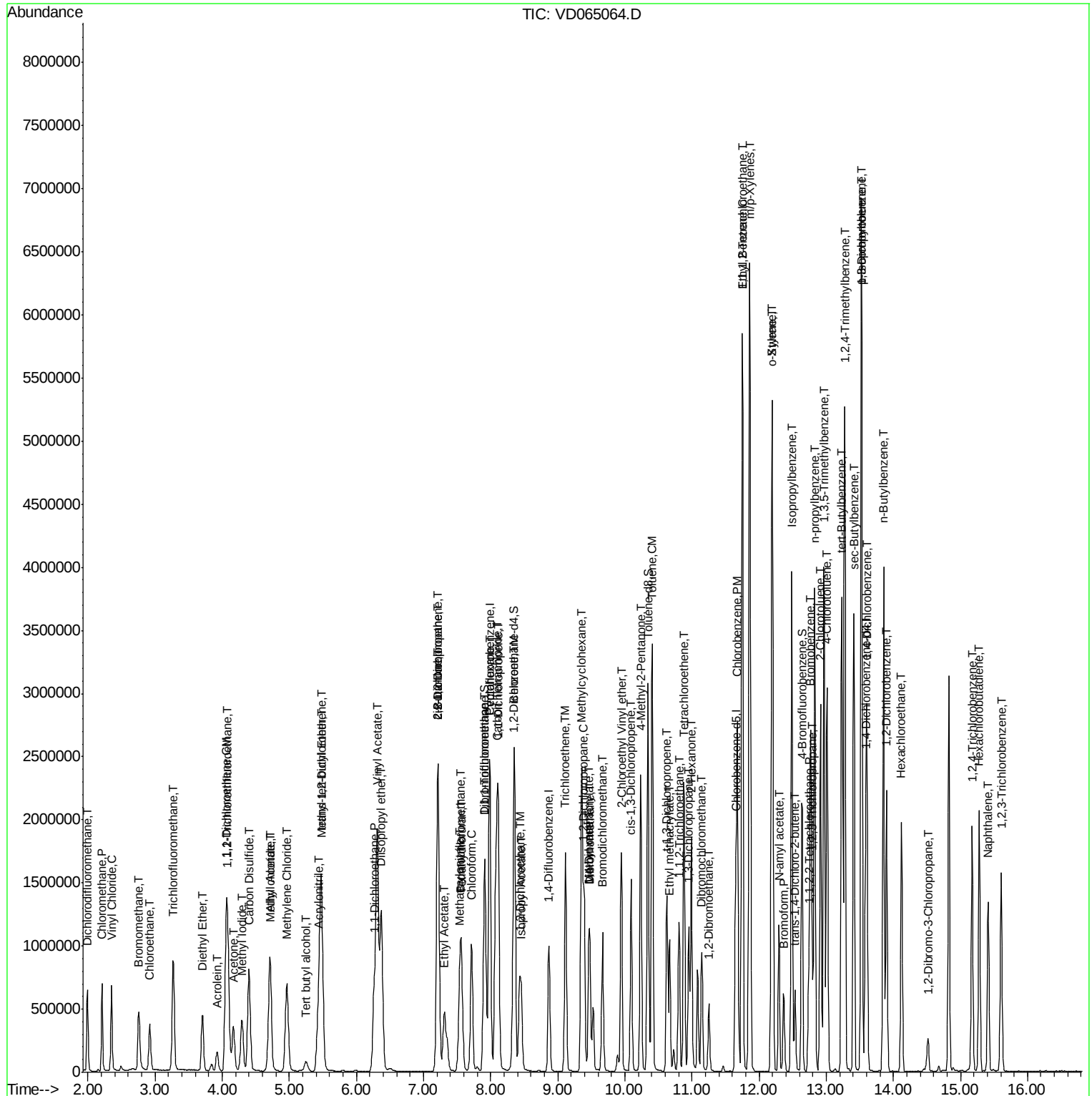
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD020520\
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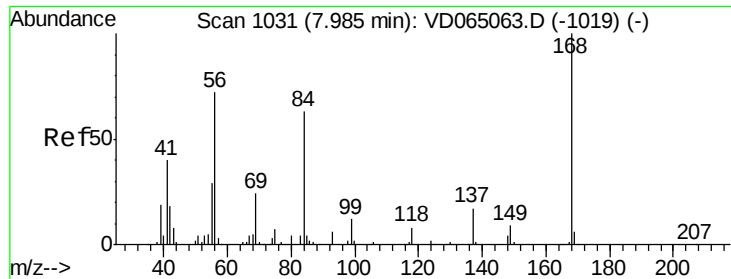
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 617061

Ion Ratio Lower Upper

168 100

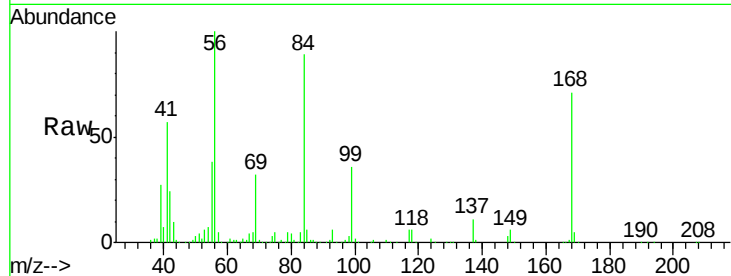
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Manual Integrations

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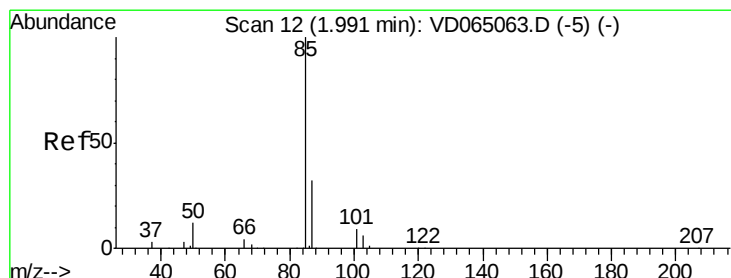
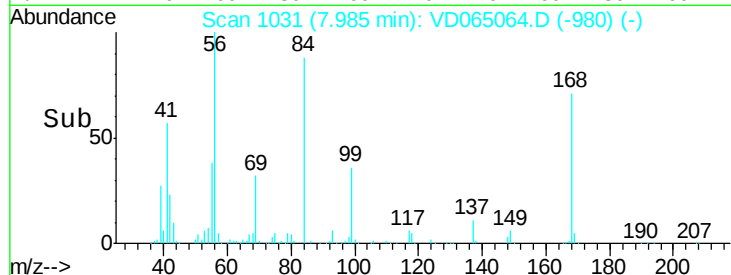
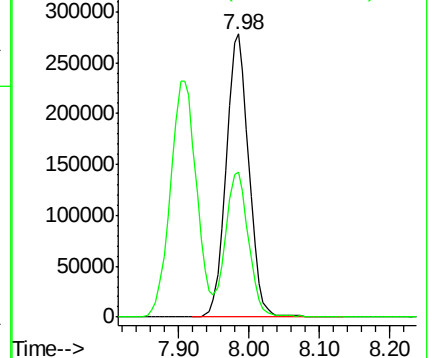
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 105.714 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065064.D

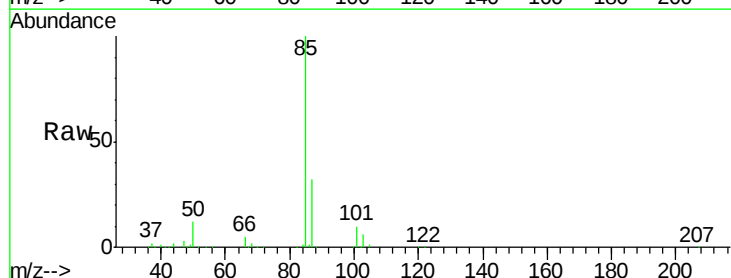
Acq: 05 Feb 2020 15:03

Tgt Ion: 85 Resp: 502404

Ion Ratio Lower Upper

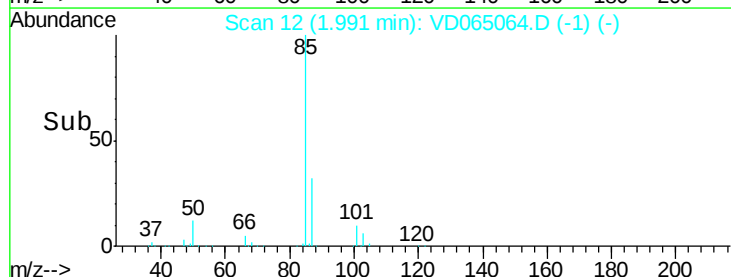
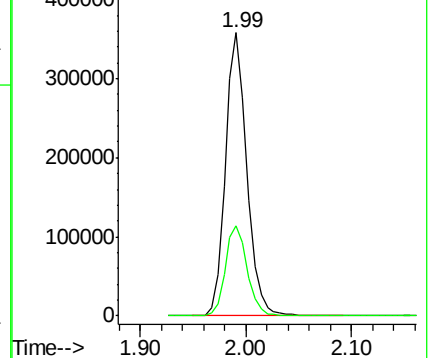
85 100

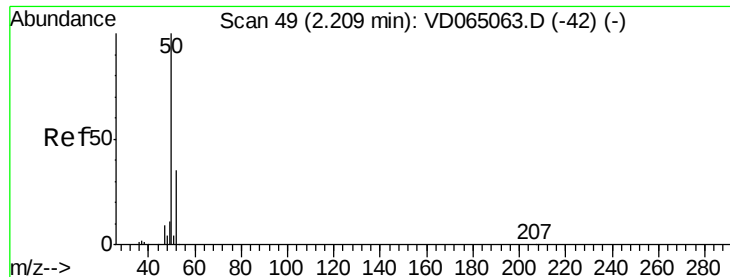
87 31.9 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 83.667 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 559747

Ion Ratio Lower Upper

50 100

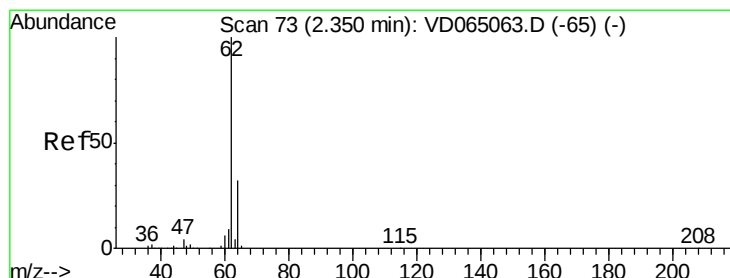
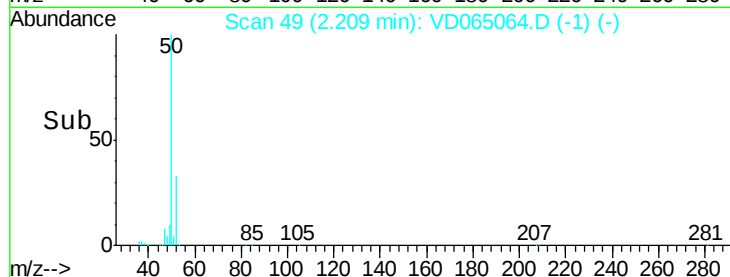
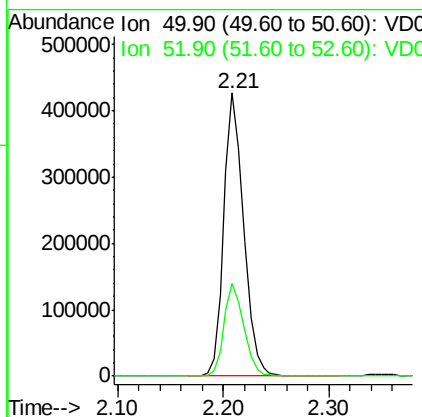
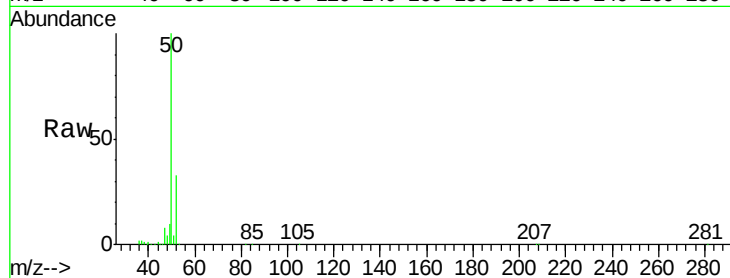
52 32.5 27.8 41.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 81.729 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065064.D

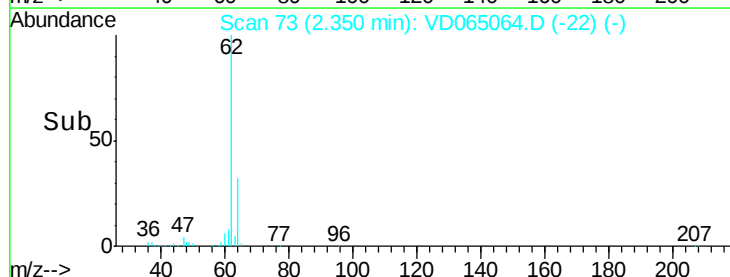
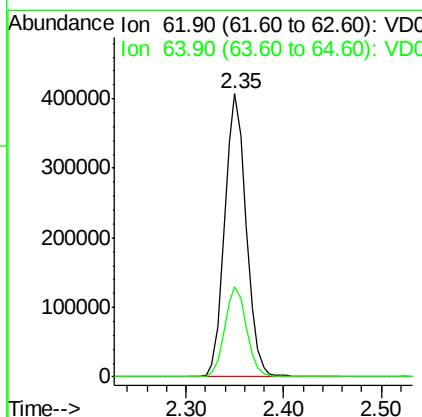
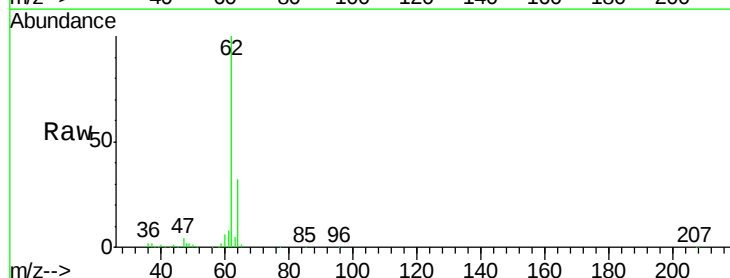
Acq: 05 Feb 2020 15:03

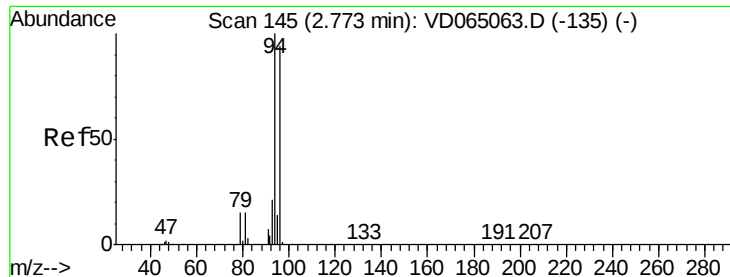
Tgt Ion: 62 Resp: 623197

Ion Ratio Lower Upper

62 100

64 31.9 25.9 38.9





#5

Bromomethane

Concen: 74.997 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

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VSTDIC100

Tot Ion: 94 Resp: 382780

Ion Ratio Lower Upper

94 100

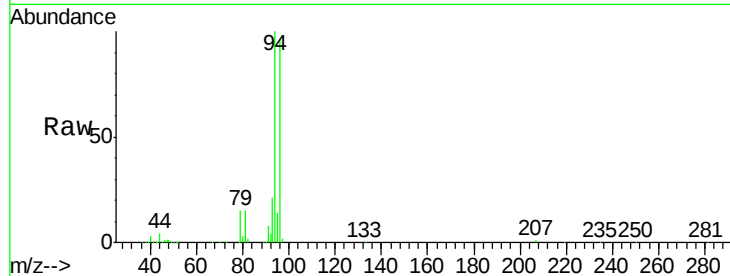
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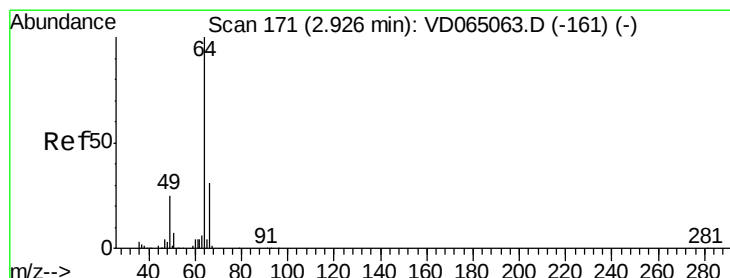
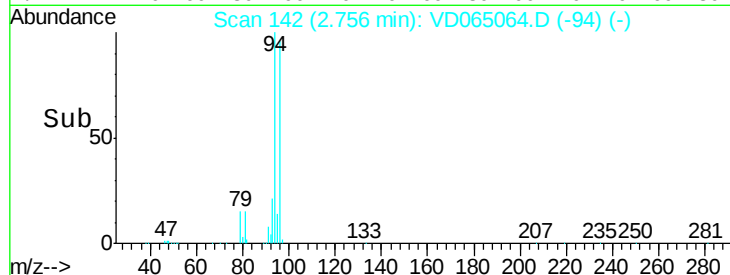
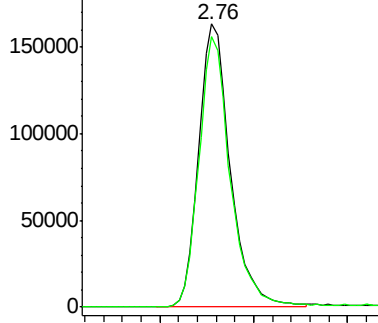
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 76.666 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065064.D

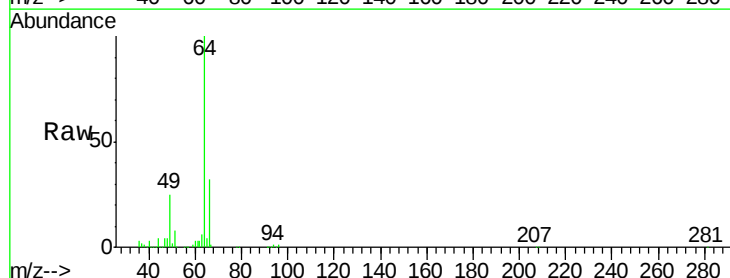
Acq: 05 Feb 2020 15:03

Tgt Ion: 64 Resp: 382133

Ion Ratio Lower Upper

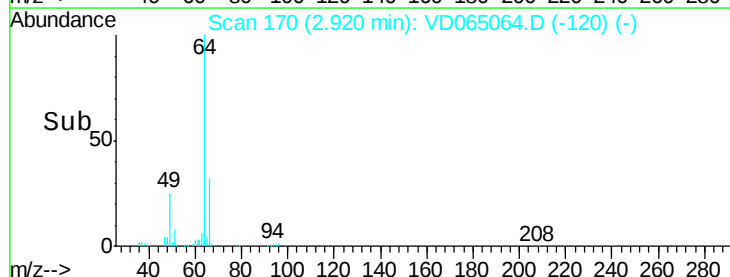
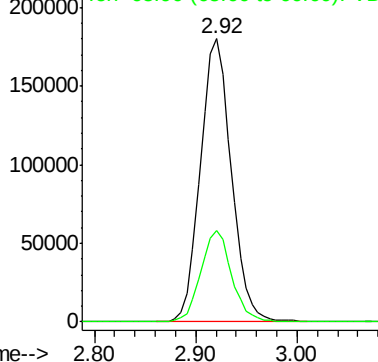
64 100

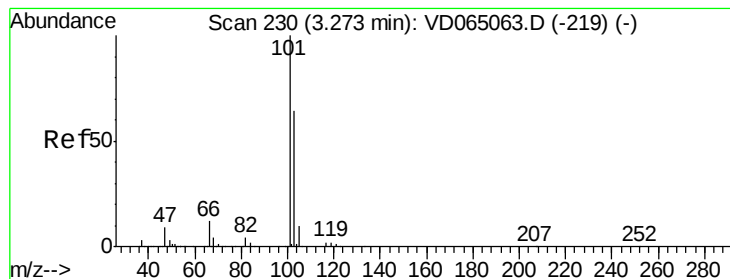
66 32.4 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





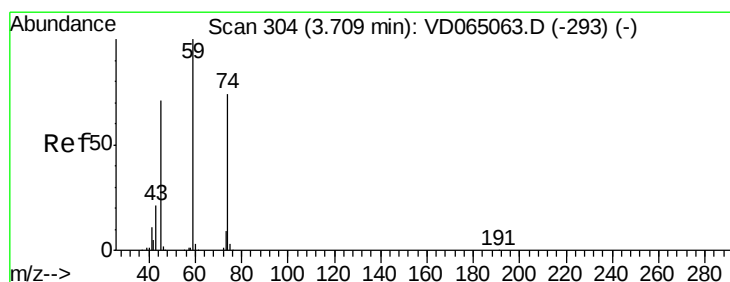
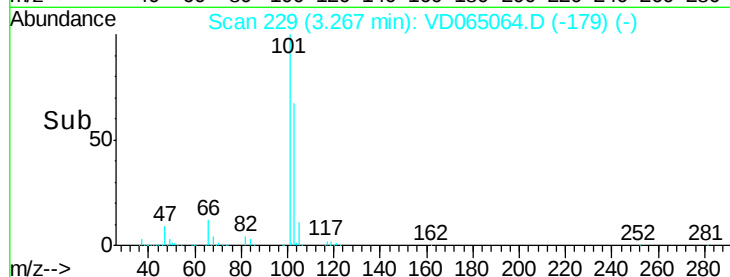
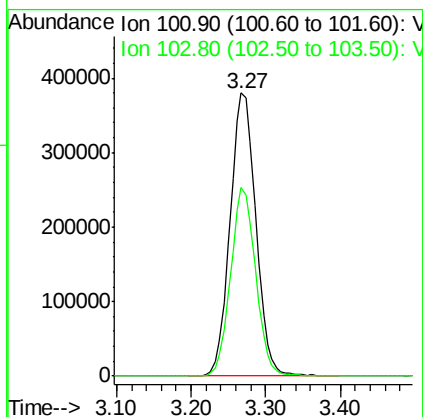
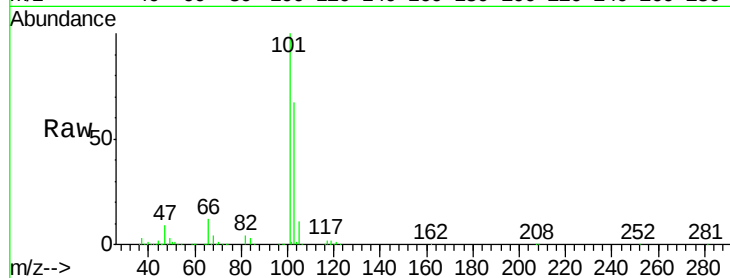
#7
 Trichlorofluoromethane
 Concen: 78.206 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.0	76.6

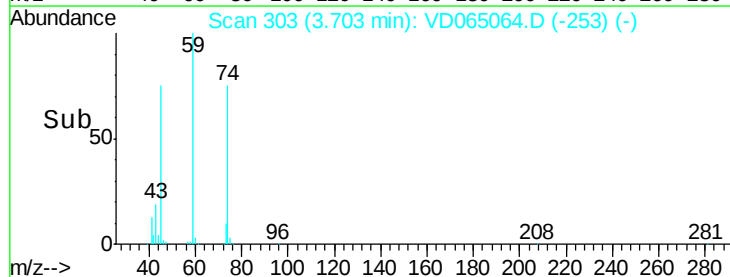
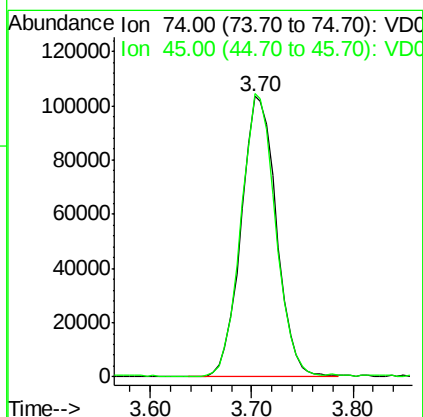
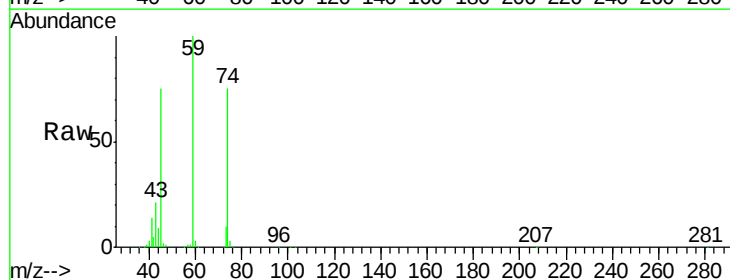
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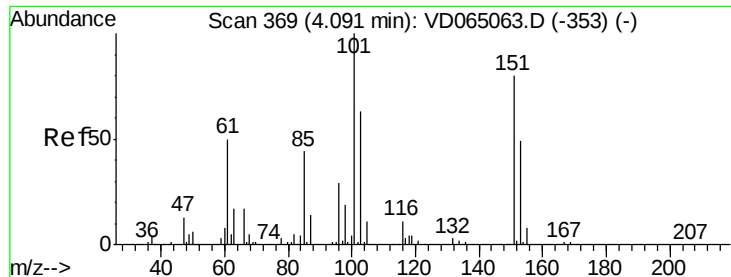
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#8
 Diethyl Ether
 Concen: 91.884 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.3	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 97.171 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

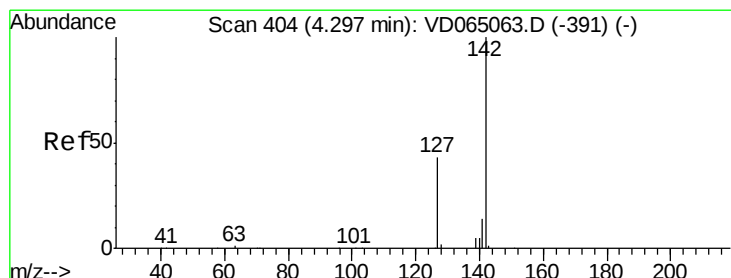
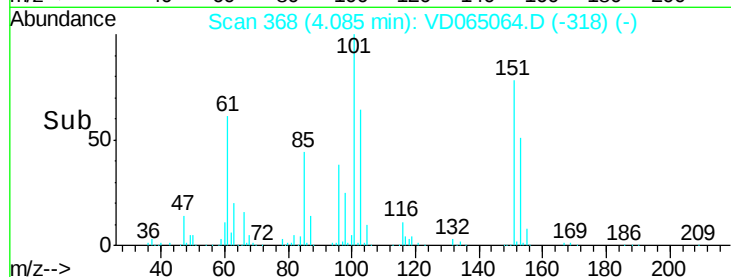
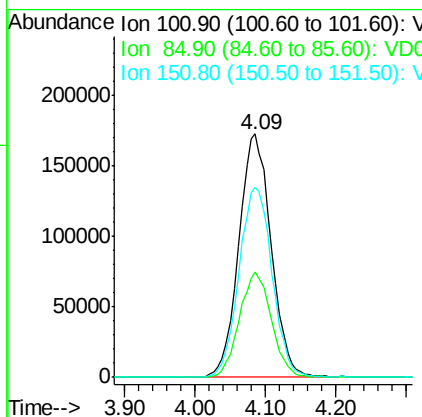
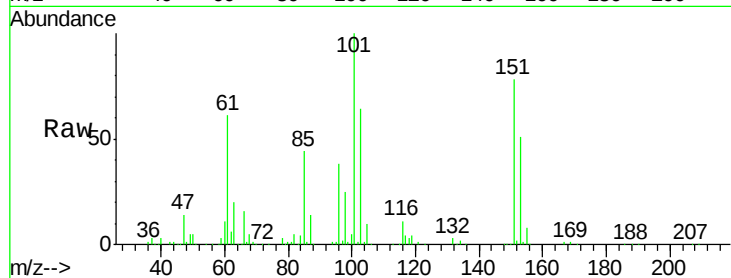
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	551026
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.0	51.0
151	80.0	64.0	96.0

Manual Integrations
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#10

Methyl Iodide

Concen: 117.094 ug/l

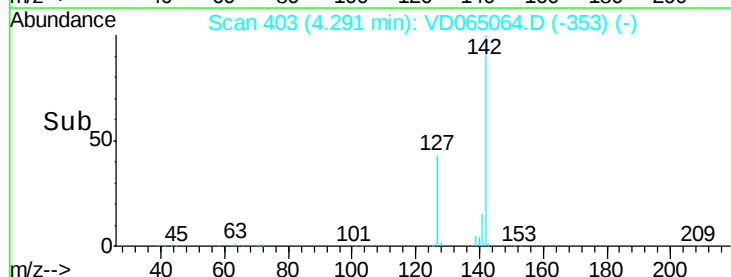
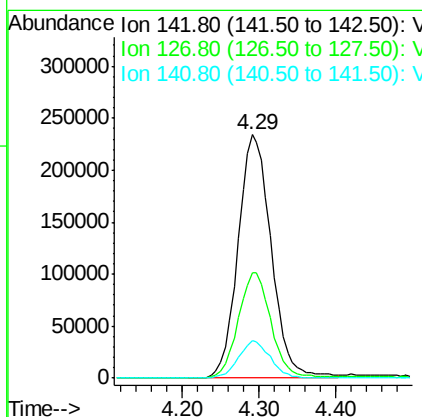
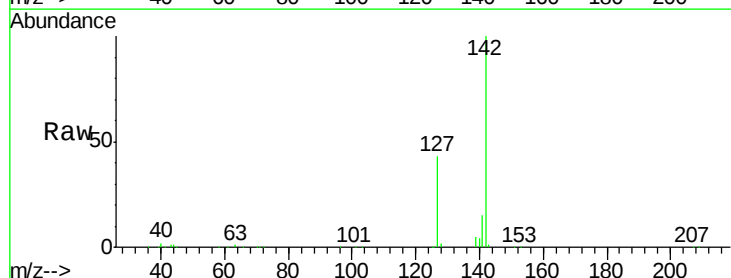
RT: 4.29 min Scan# 403

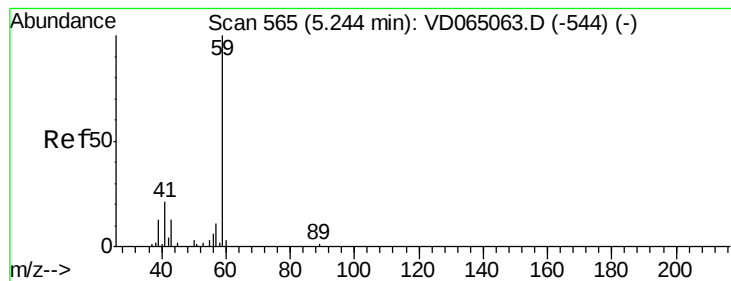
Delta R.T. -0.01 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Tgt Ion:	142	Resp:	707419
Ion Ratio	Lower	Upper	
142	100		
127	42.8	34.0	51.0
141	14.8	11.6	17.4





#11

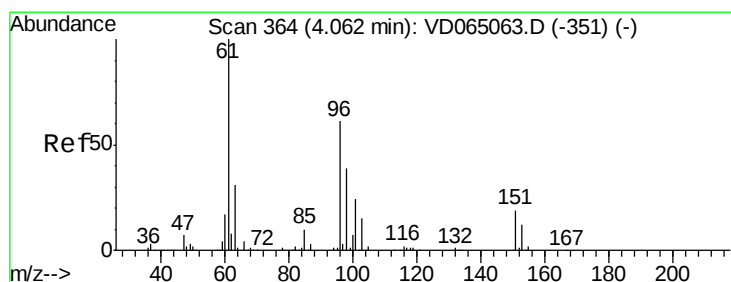
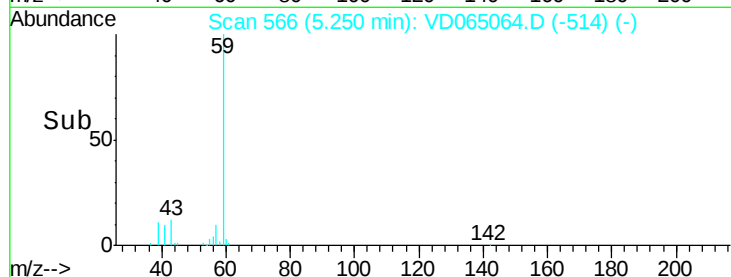
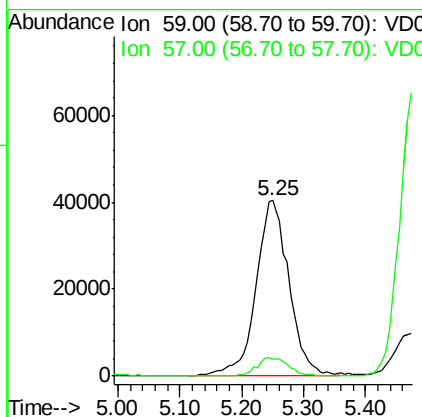
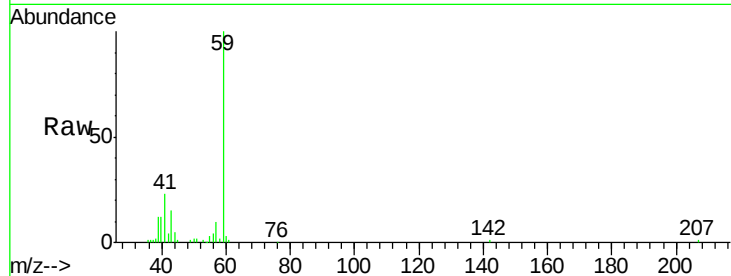
Tert butyl alcohol
 Concen: 471.990 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	59	Resp	149987
Ion Ratio	100	Lower	Upper
57	10.2	8.8	13.2

Manual Integrations
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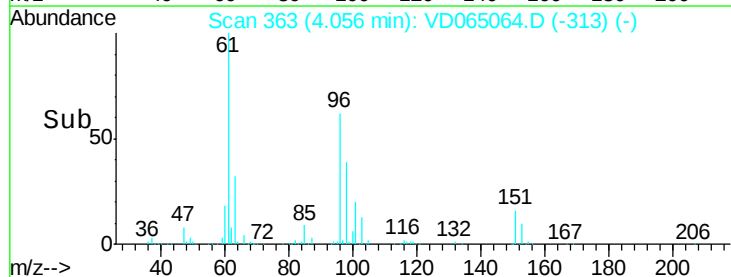
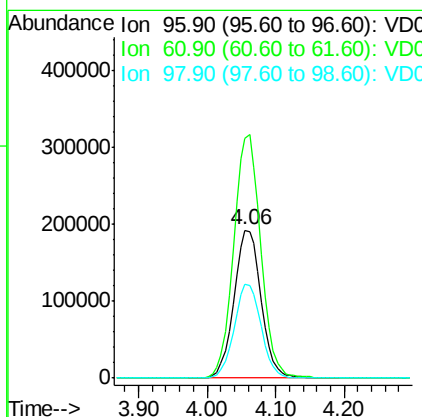
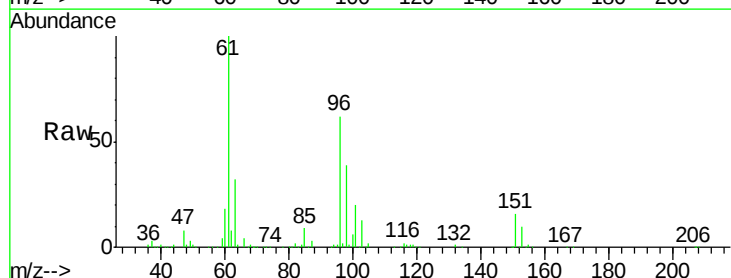
MMDadoda
 2/6/2020 10:37:18 AM



#12

1,1-Dichloroethene
 Concen: 97.348 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Tgt Ion	96	Resp	526575
Ion Ratio	100	Lower	Upper
61	162.4	131.4	197.2
98	63.5	51.1	76.7





#13

Acrolein

Concen: 445.308 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 180737

Ion Ratio Lower Upper

56 100

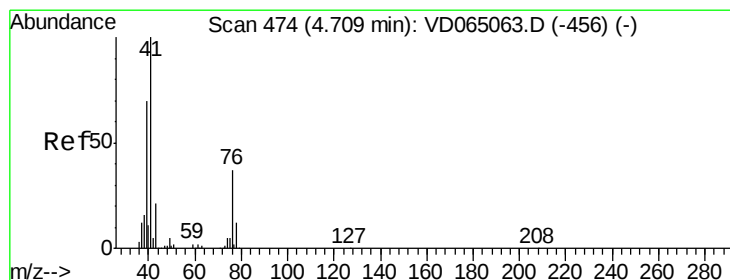
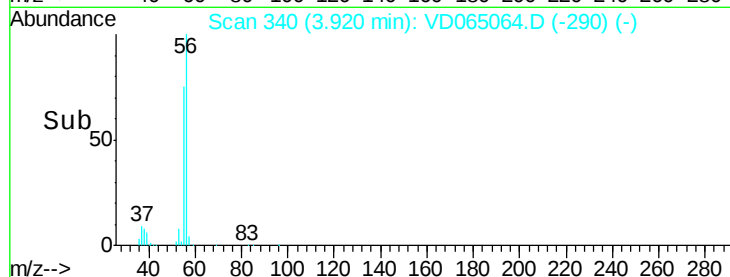
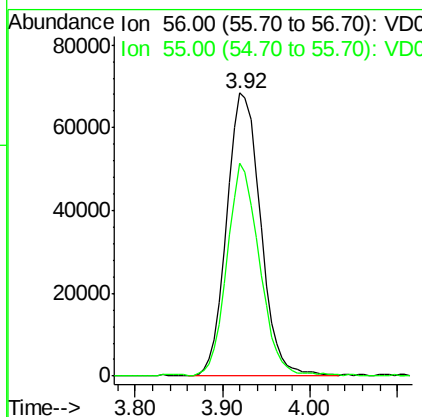
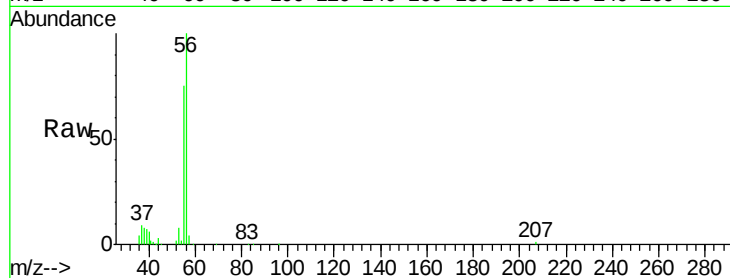
55 70.8 58.2 87.2

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 101.537 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

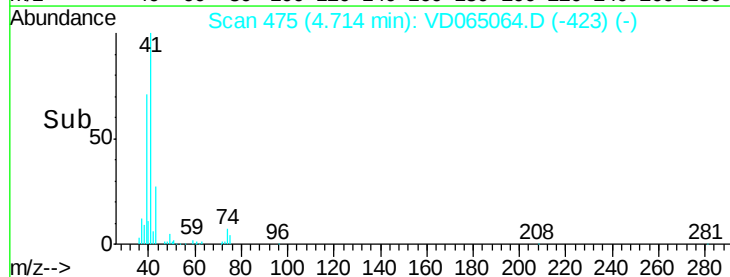
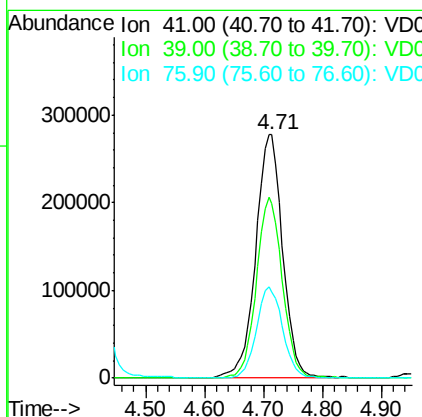
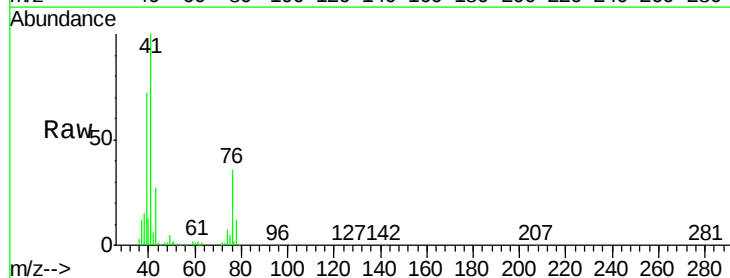
Tgt Ion: 41 Resp: 880184

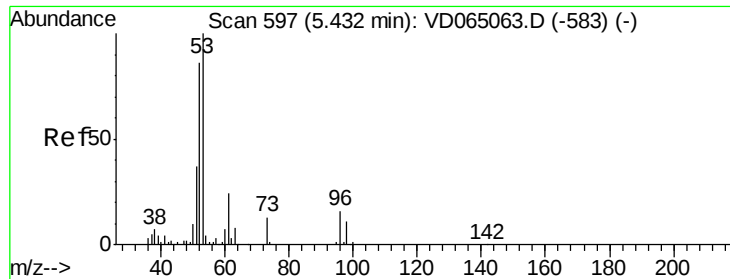
Ion Ratio Lower Upper

41 100

39 71.7 57.1 85.7

76 35.9 28.0 42.0





#15

Acrylonitrile

Concen: 481.819 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

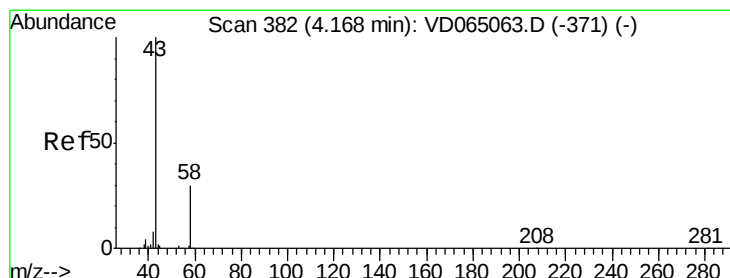
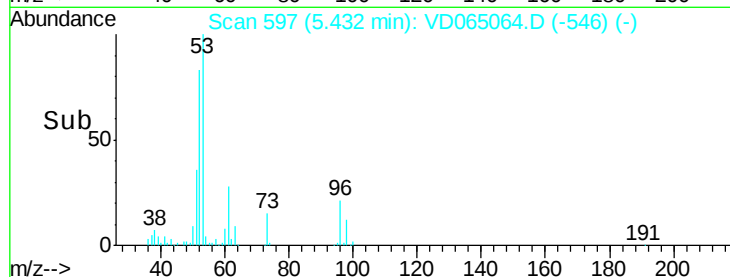
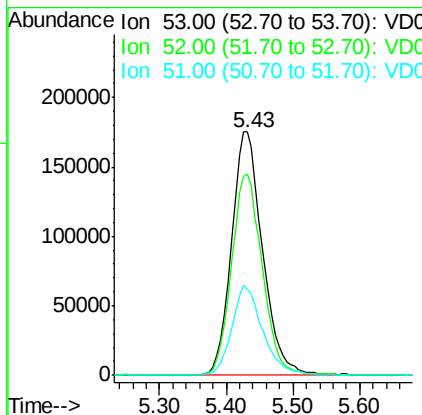
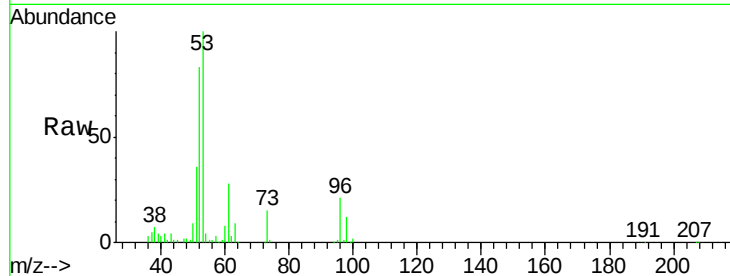
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	567117
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.2	99.2
51	37.0	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 501.068 ug/l

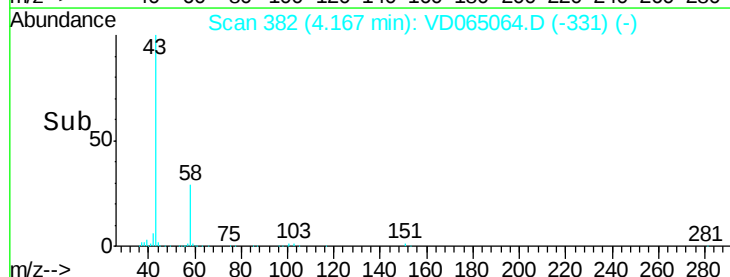
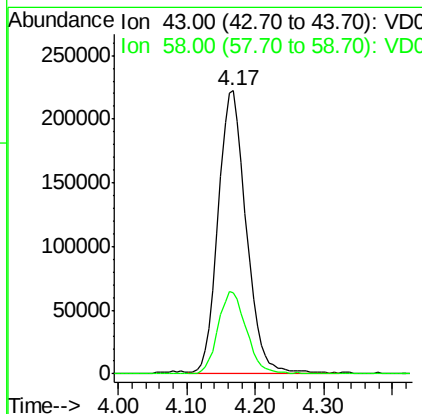
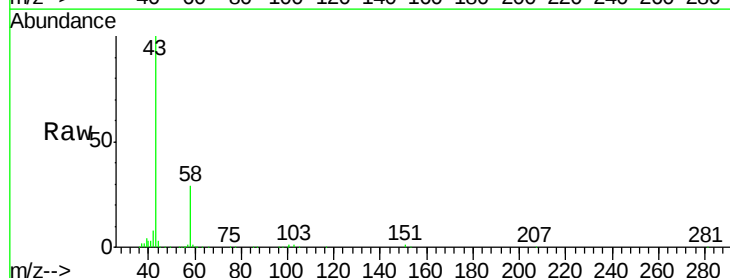
RT: 4.17 min Scan# 382

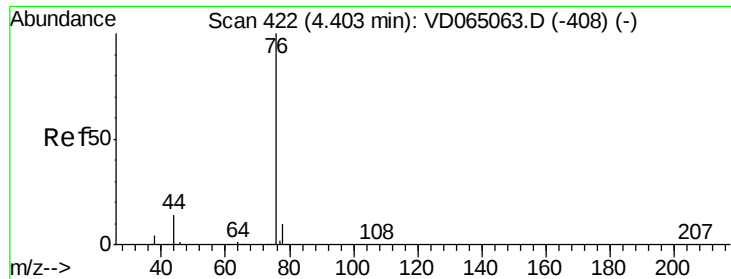
Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Tgt Ion:	43	Resp:	623917
Ion Ratio	Lower	Upper	
43	100		
58	28.8	23.5	35.3





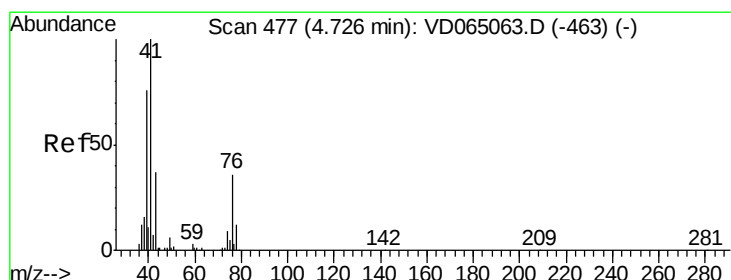
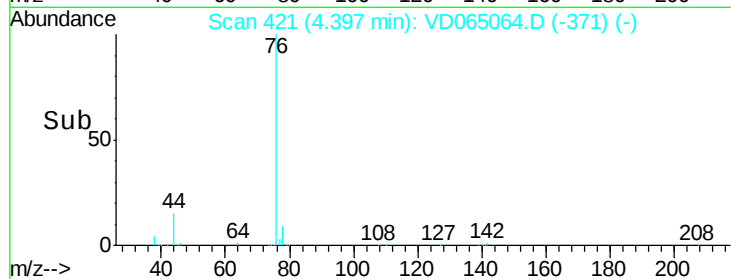
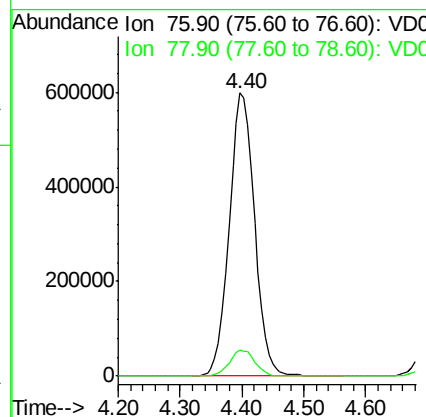
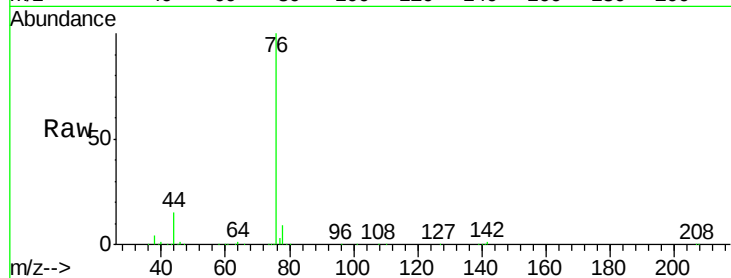
#17
Carbon Disulfide
Concen: 96.132 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 1705757
Ion Ratio Lower Upper
76 100
78 9.3 7.6 11.4

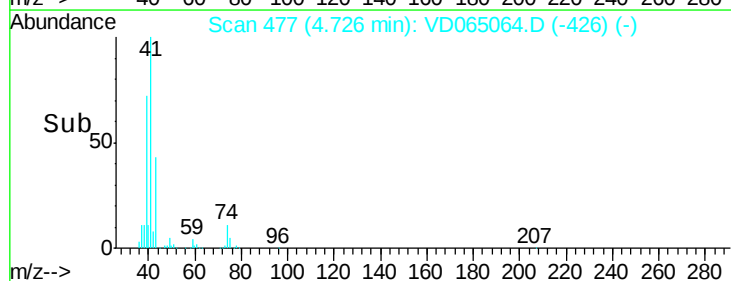
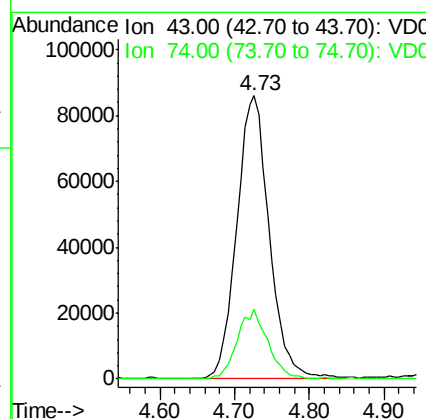
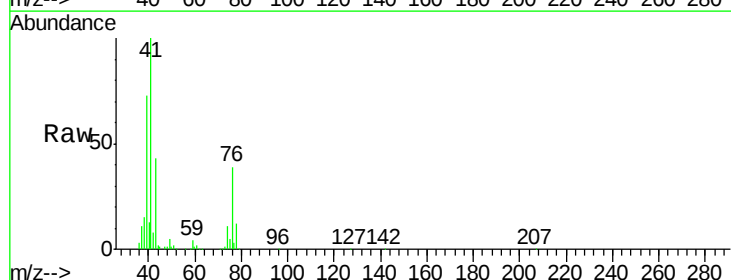
Manual Integrations
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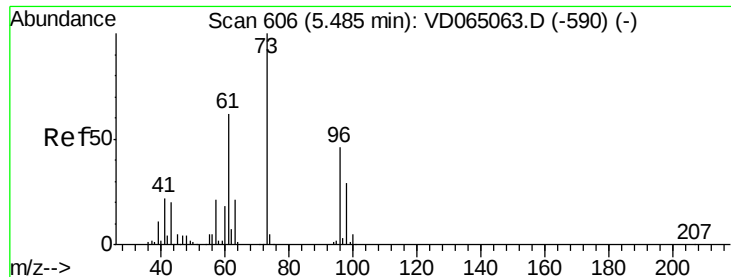
MMDadoda
2/6/2020 10:37:18 AM



#18
Methyl Acetate
Concen: 94.547 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion: 43 Resp: 260170
Ion Ratio Lower Upper
43 100
74 23.4 18.7 28.1





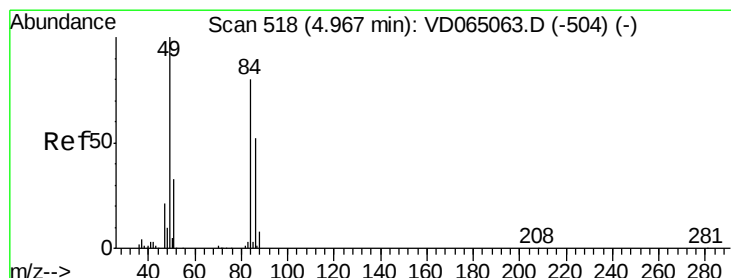
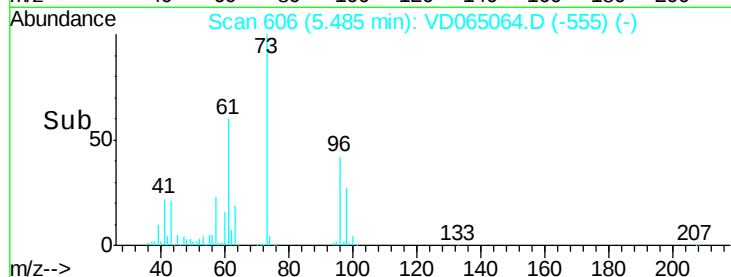
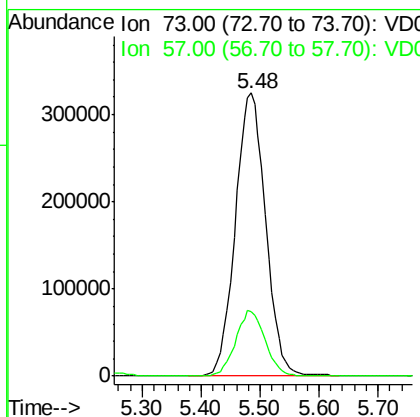
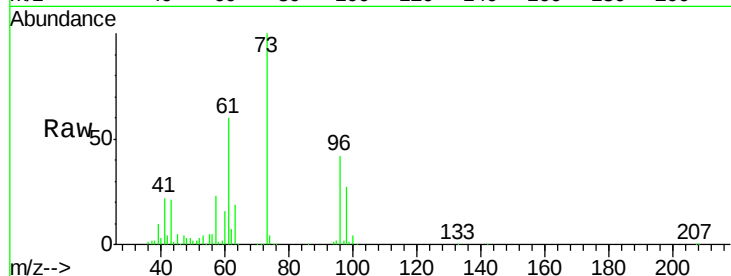
#19
Methvl tert-butvl Ether
Concen: 97.088 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion: 73 Resp: 1161582
Ion Ratio Lower Upper
73 100
57 22.8 16.8 25.2

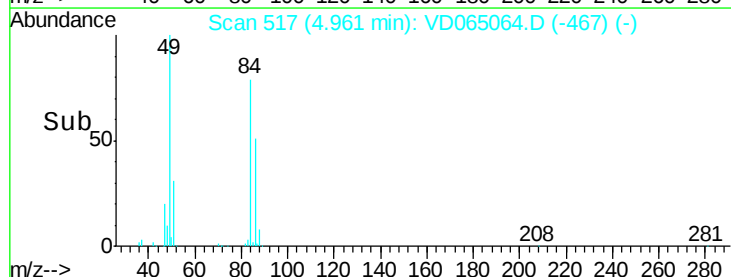
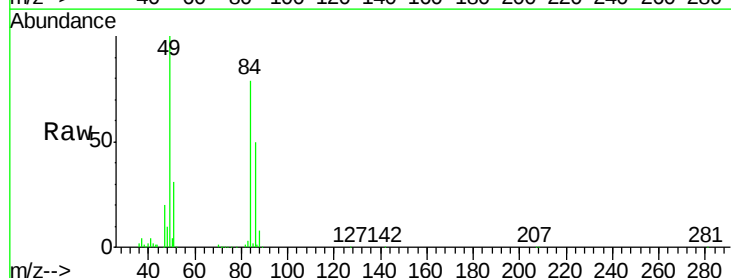
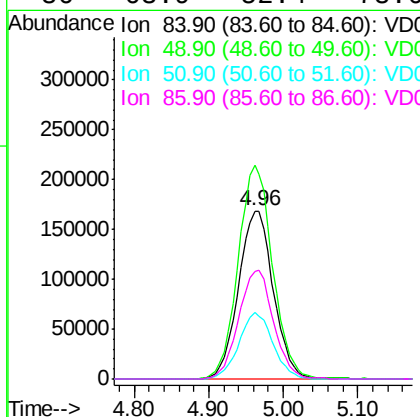
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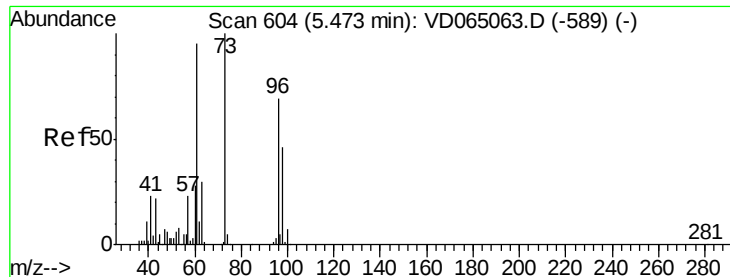
MMDadoda
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#20
Methylene Chloride
Concen: 79.727 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion: 84 Resp: 547821
Ion Ratio Lower Upper
84 100
49 127.0 100.4 150.6
51 39.8 32.7 49.1
86 63.9 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 95.312 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

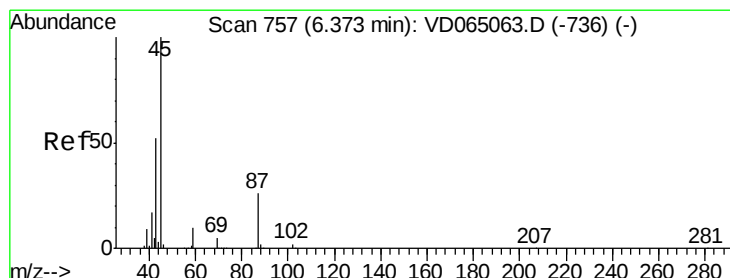
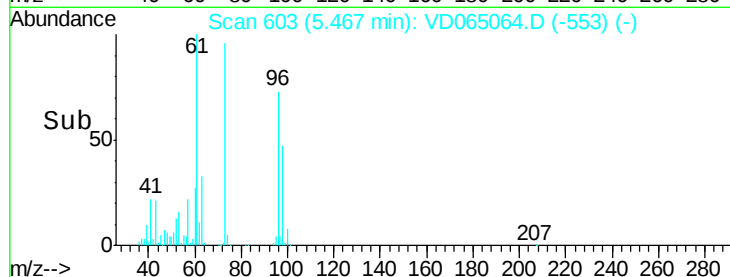
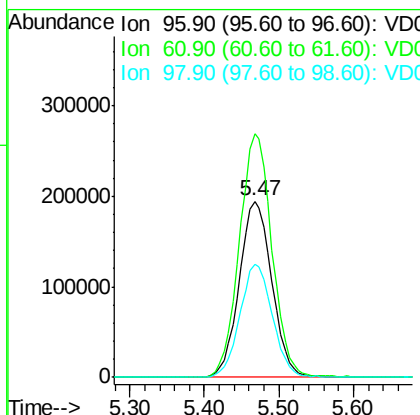
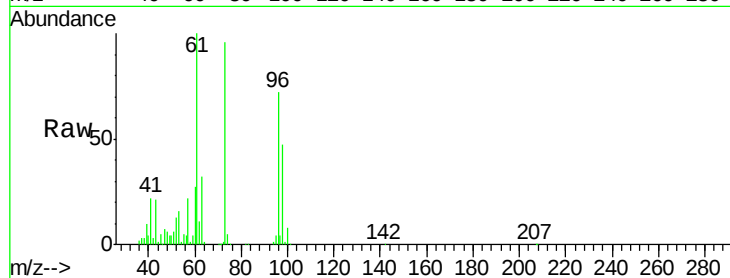
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	590080
Ion	Ratio	Lower	Upper
96	100		
61	138.1	109.5	164.3
98	64.5	53.7	80.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 97.360 ug/l

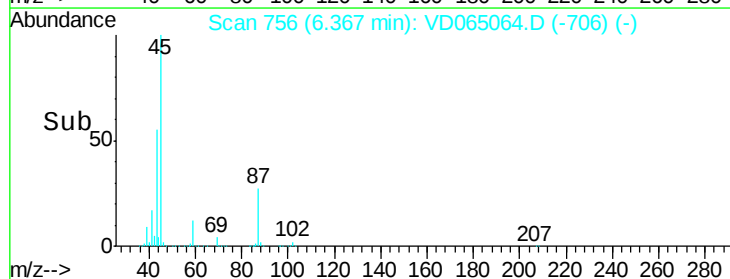
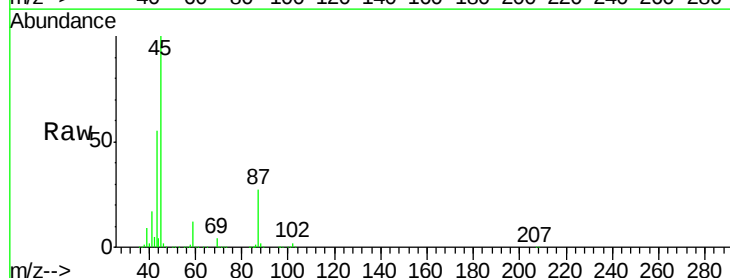
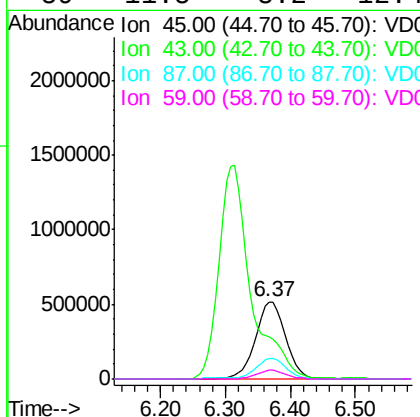
RT: 6.37 min Scan# 756

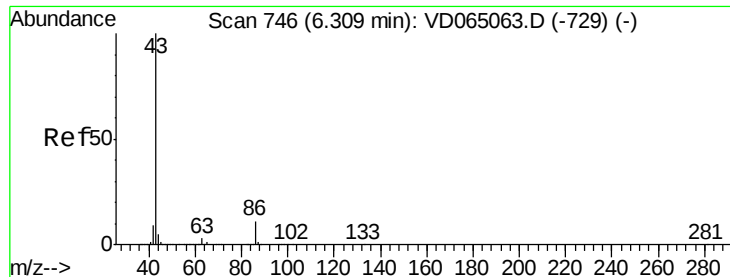
Delta R.T. -0.01 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Tgt Ion:	45	Resp:	1662978
Ion	Ratio	Lower	Upper
45	100		
43	54.6	41.3	61.9
87	27.0	21.0	31.6
59	11.5	8.2	12.4





#23

Vinyl Acetate

Concen: 492.830 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Tot Ion: 43 Resp: 4878913

Ion Ratio Lower Upper

43 100

86 10.7 8.5 12.7

Instrument :

MSVOA_D

ClientSampleId :

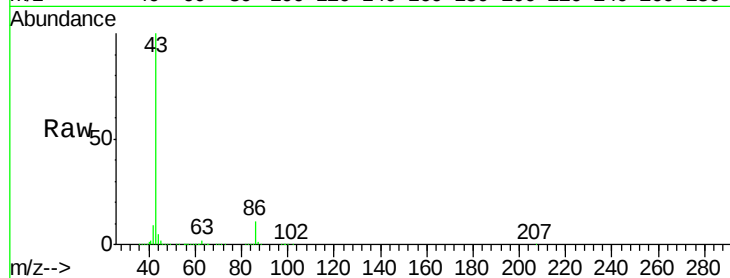
VSTDIC100

Manual Integrations

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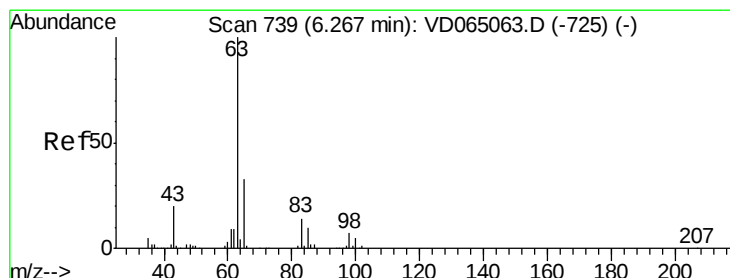
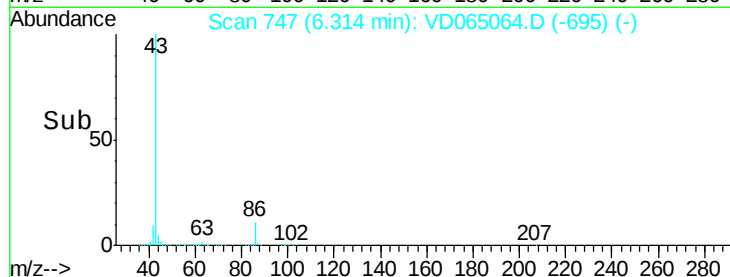
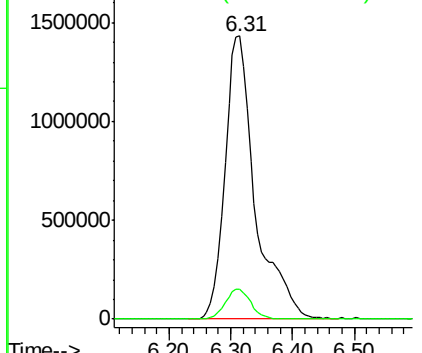
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 93.739 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

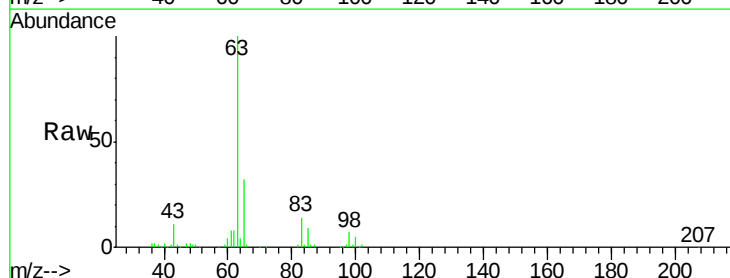
Tgt Ion: 63 Resp: 982257

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

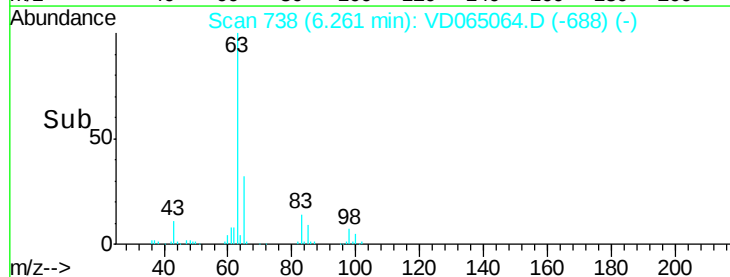
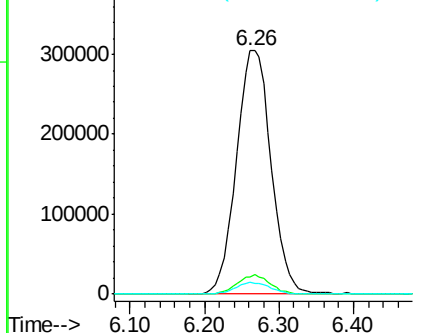
100 5.0 2.5 7.6

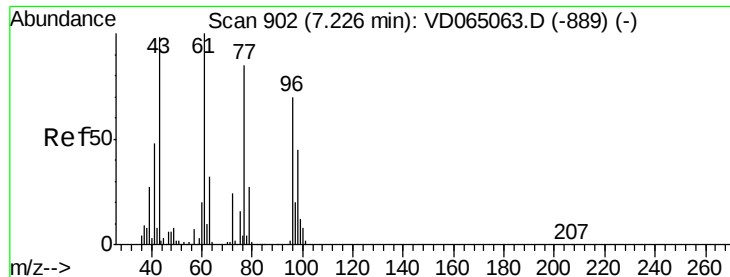


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 482.712 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 759675

Ion Ratio Lower Upper

43 100

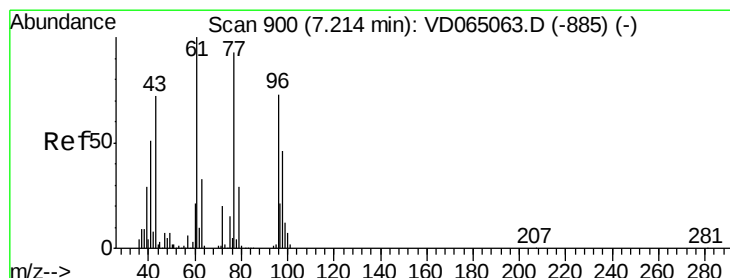
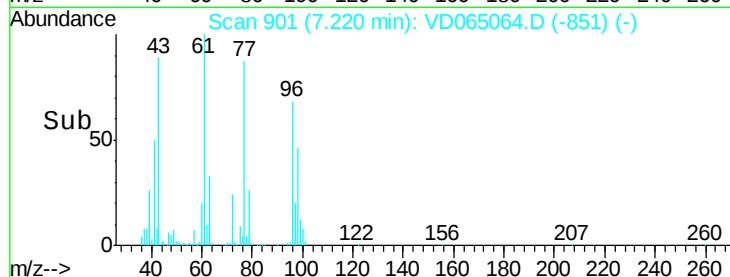
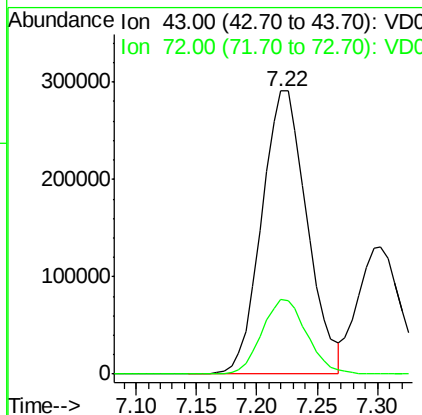
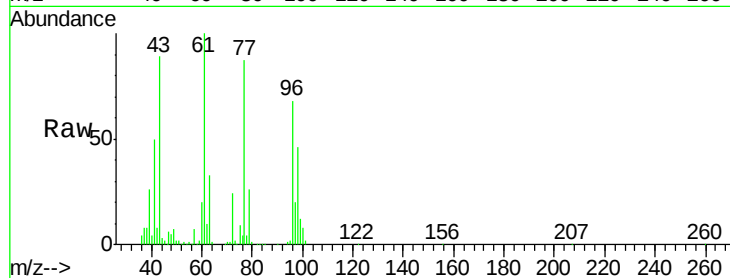
72 26.5 19.9 29.9

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#26

2,2-Dichloropropane

Concen: 95.373 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065064.D

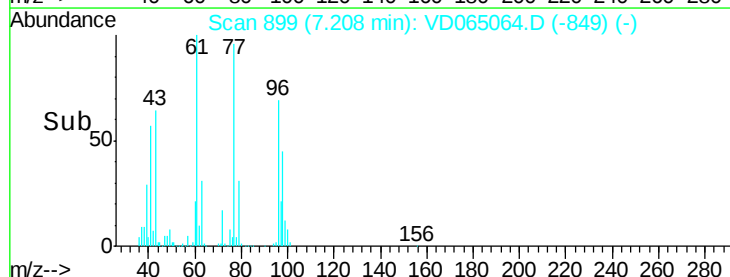
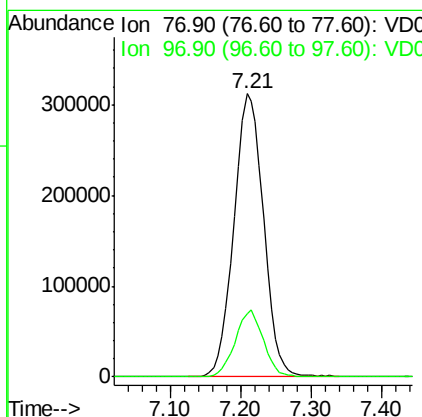
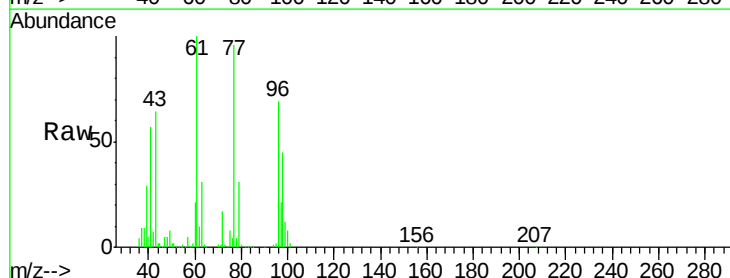
Acq: 05 Feb 2020 15:03

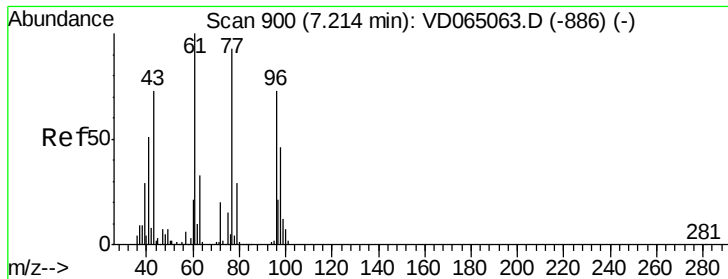
Tgt Ion: 77 Resp: 911970

Ion Ratio Lower Upper

77 100

97 22.4 10.9 32.6





#27

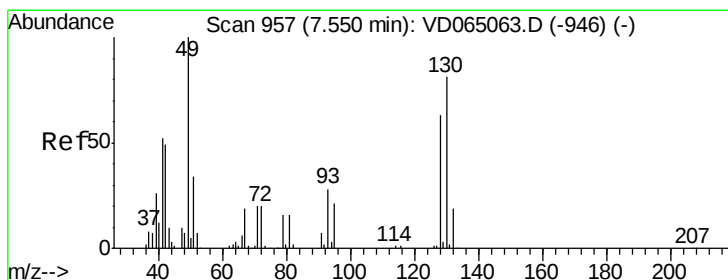
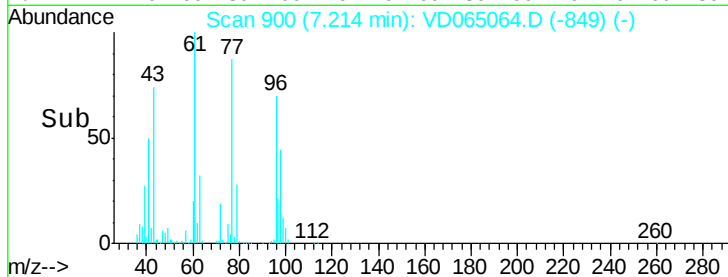
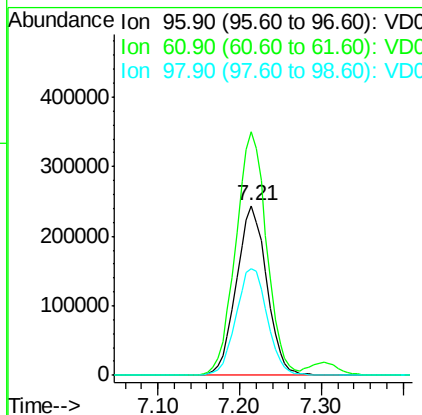
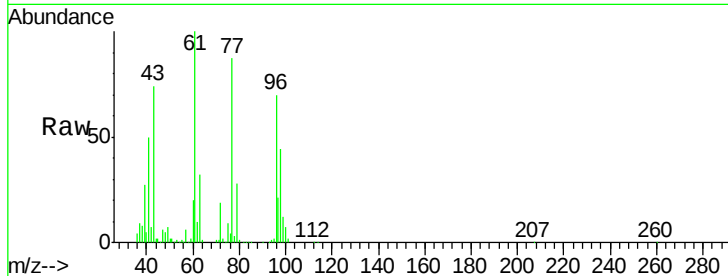
cis-1,2-Dichloroethene
Concen: 95.405 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.4	0.0	292.8
98	65.0	0.0	128.8

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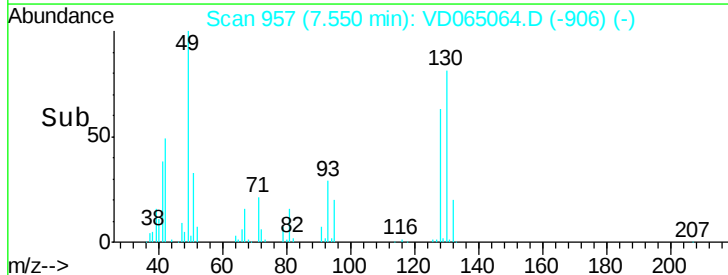
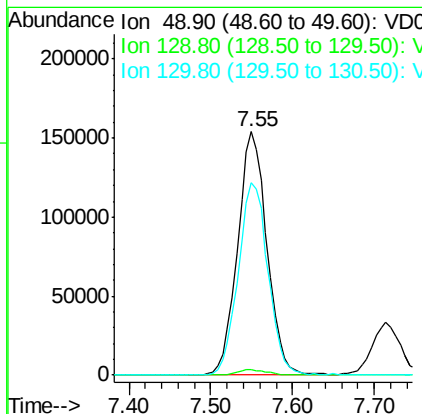
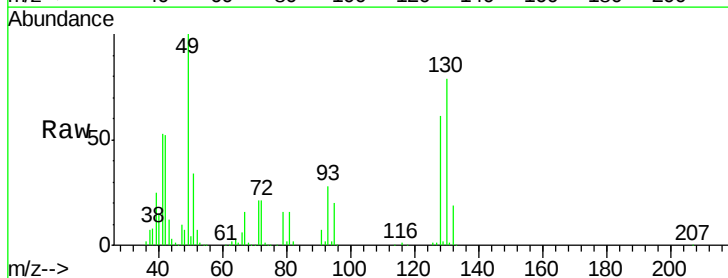
MMDadoda
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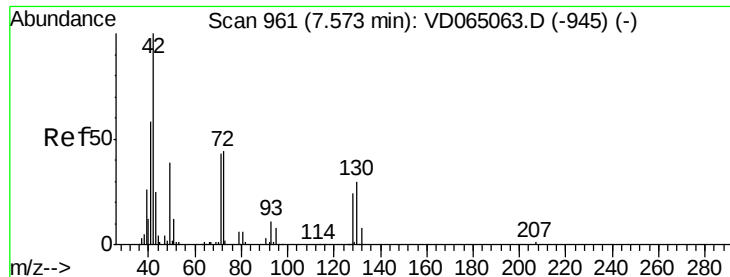


#28

Bromochloromethane
Concen: 94.658 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	80.4	63.8	95.8





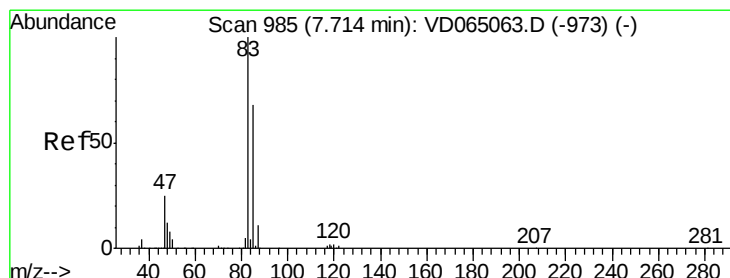
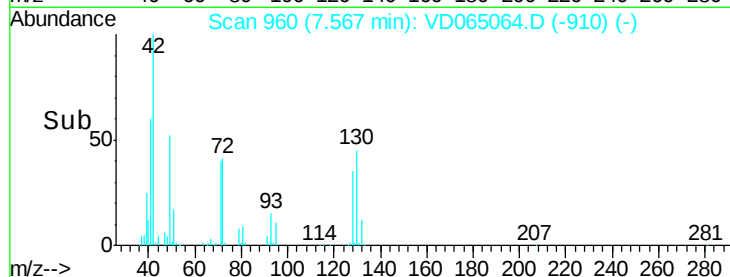
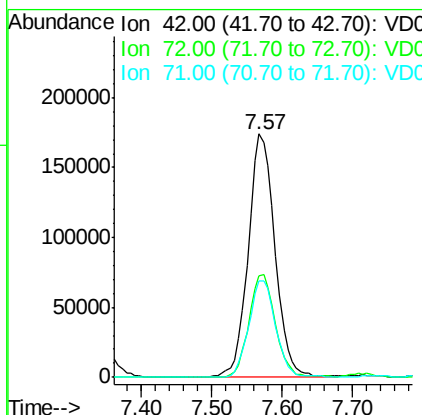
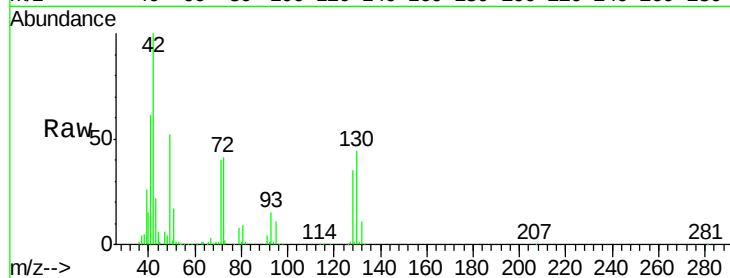
#29
Tetrahydrofuran
Concen: 474.433 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	34.2	51.4
71	39.7	31.8	47.6

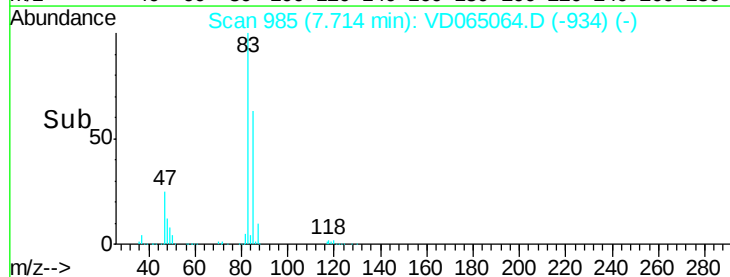
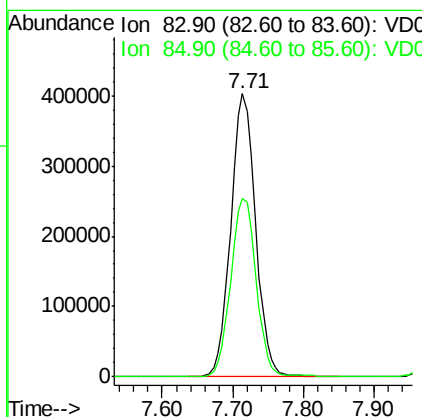
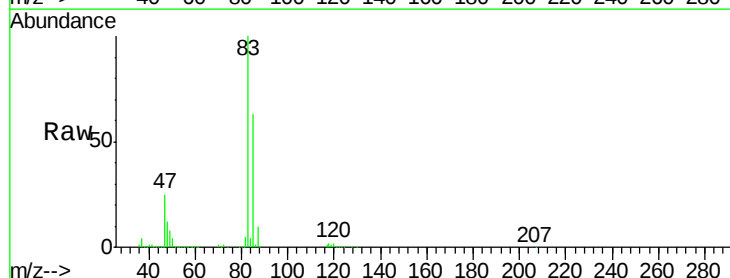
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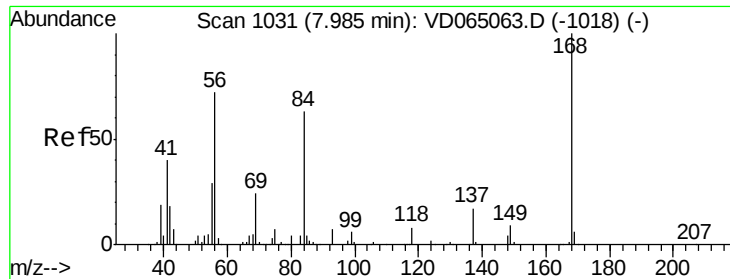
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#30
Chloroform
Concen: 91.194 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	54.2	81.4





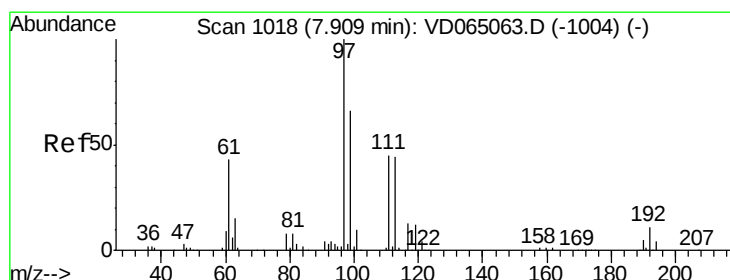
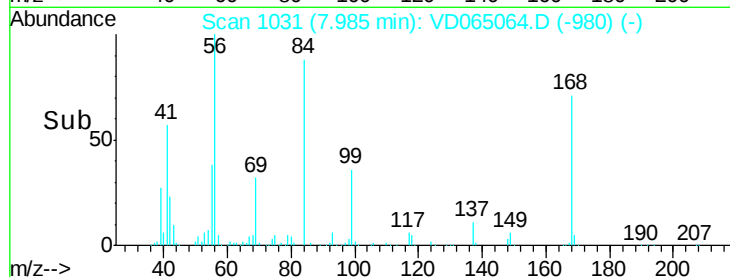
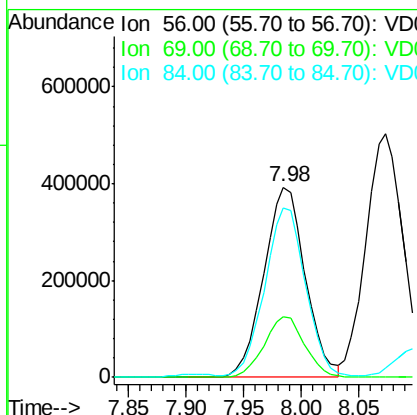
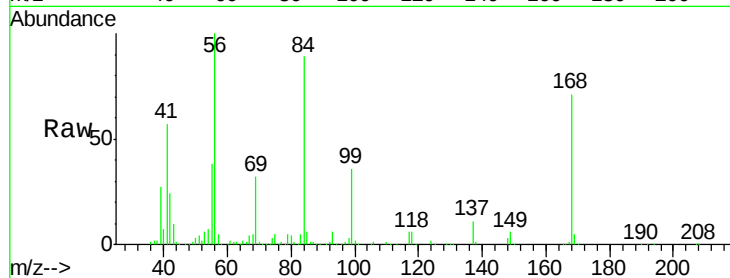
#31
Cyclohexane
Concen: 94.676 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	26.6	40.0
84	87.2	70.6	106.0

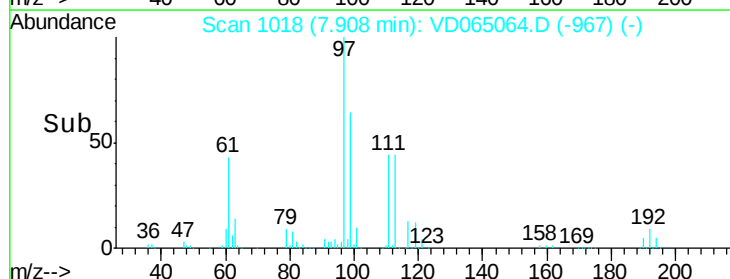
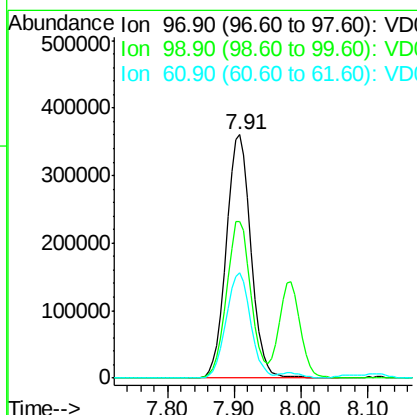
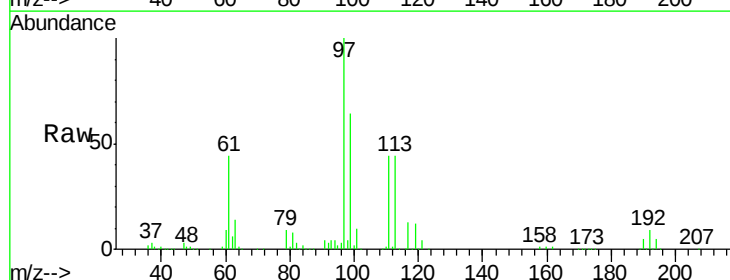
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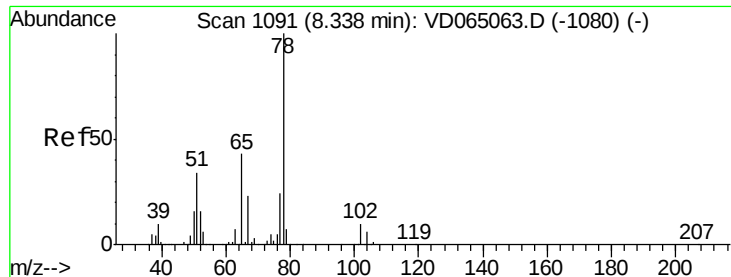
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#32
1,1,1-Trichloroethane
Concen: 93.336 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.5	77.3
61	43.2	34.8	52.2





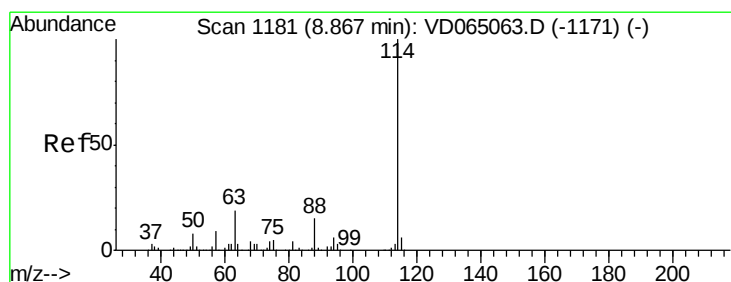
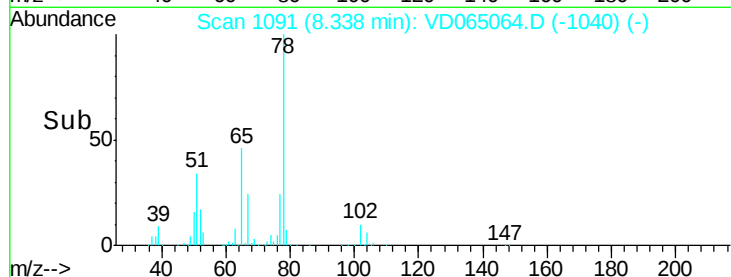
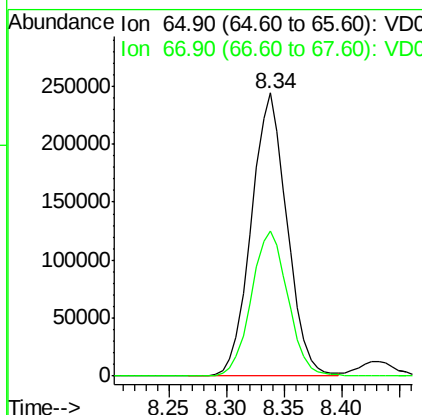
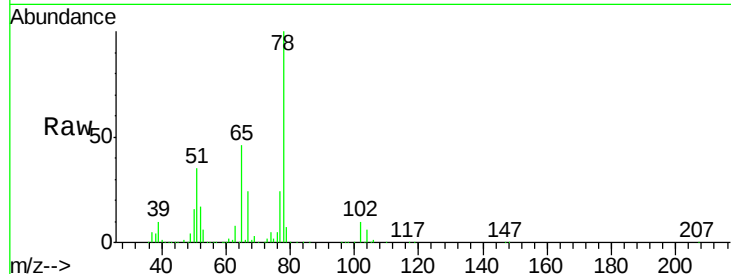
#33
 1,2-Dichloroethane-d4
 Concen: 90.889 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	527219		
67	52.6	0.0	105.8	

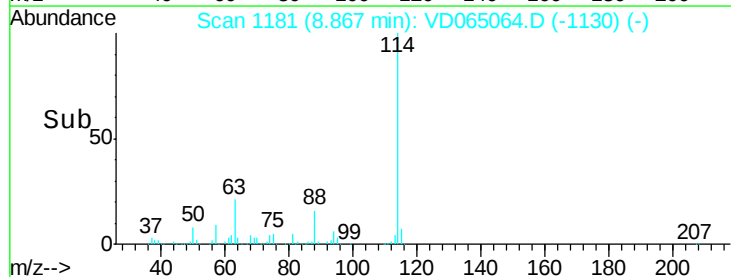
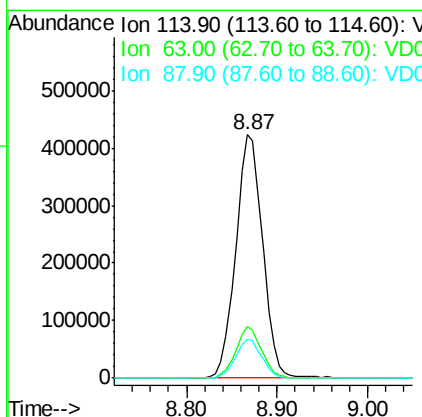
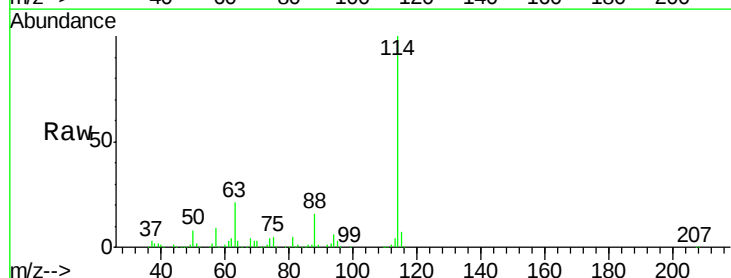
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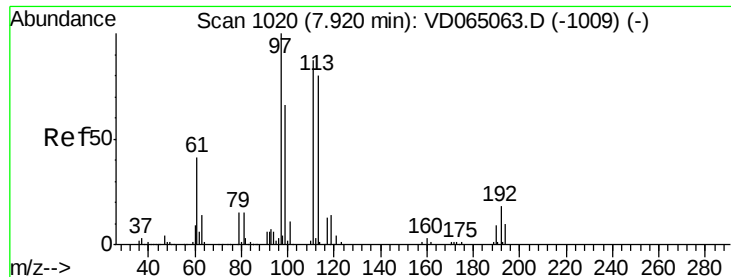
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	872221		
63	21.3	0.0	38.8	
88	15.8	0.0	29.6	





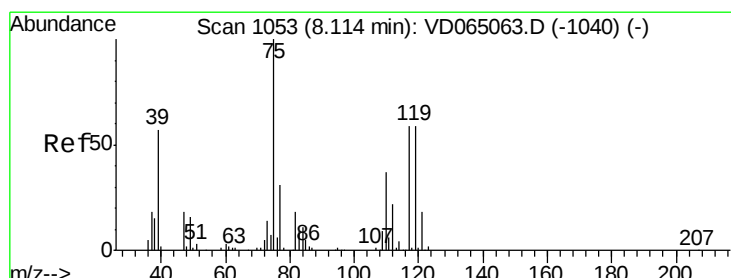
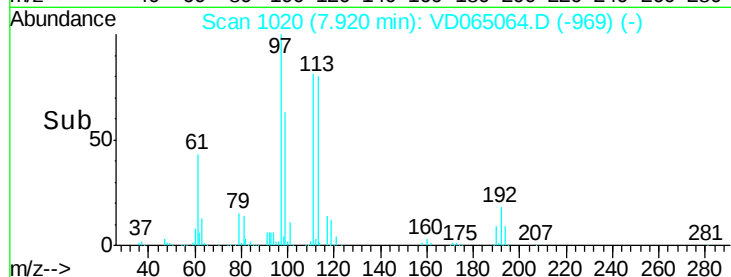
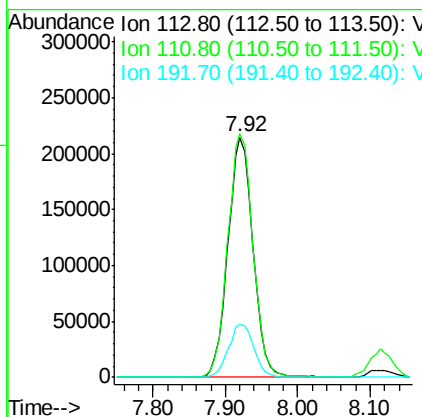
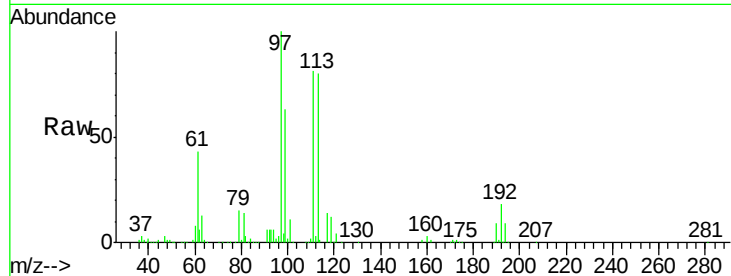
#35
 Dibromofluoromethane
 Concen: 95.890 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.1	124.7
192	22.6	18.1	27.1

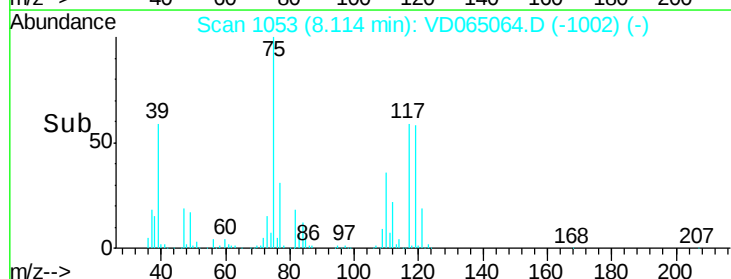
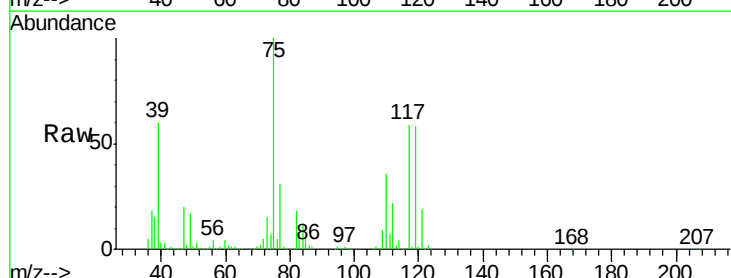
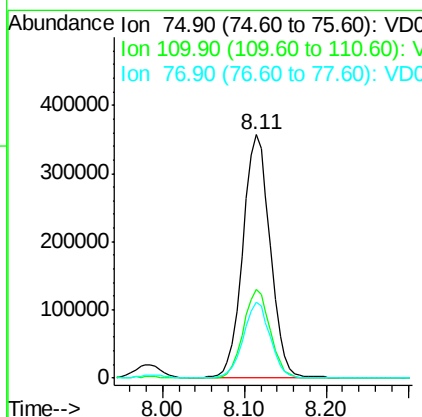
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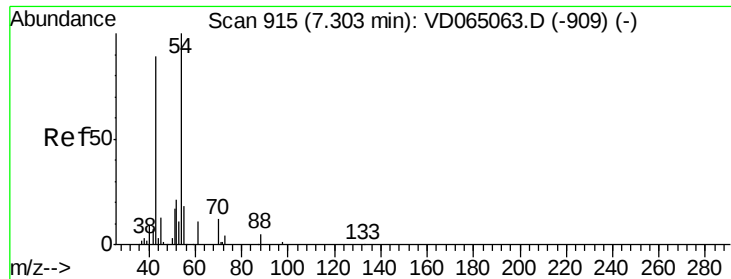
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#36
 1,1-Dichloropropene
 Concen: 98.787 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	18.1	54.3
77	30.8	24.7	37.1





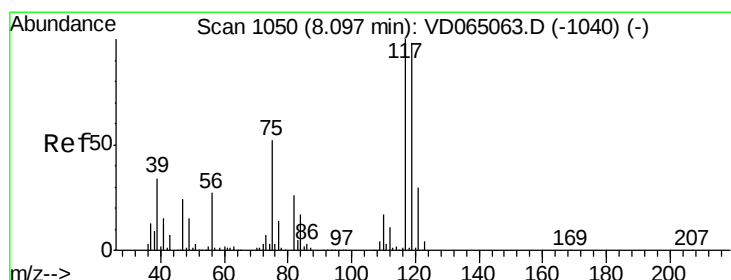
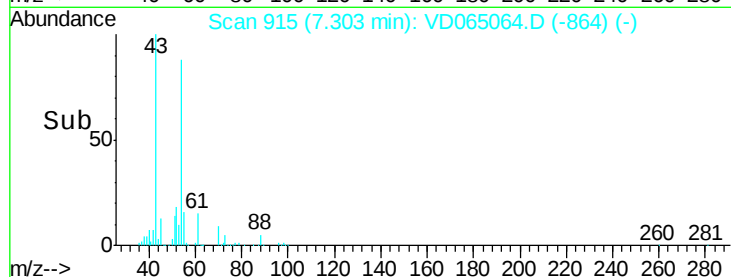
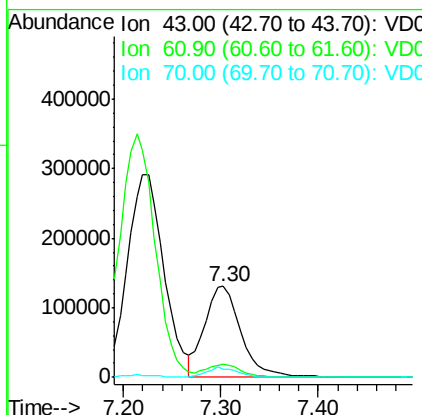
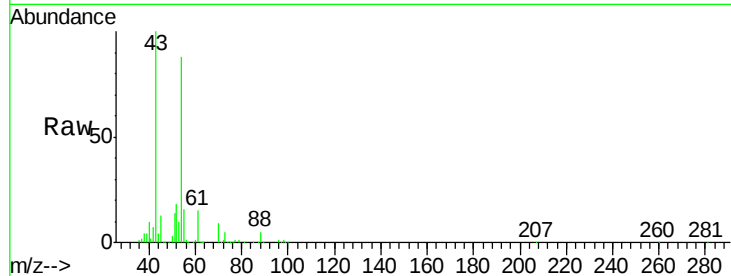
#37
Ethyl Acetate
Concen: 96.227 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.4
70	9.9	8.2	12.2

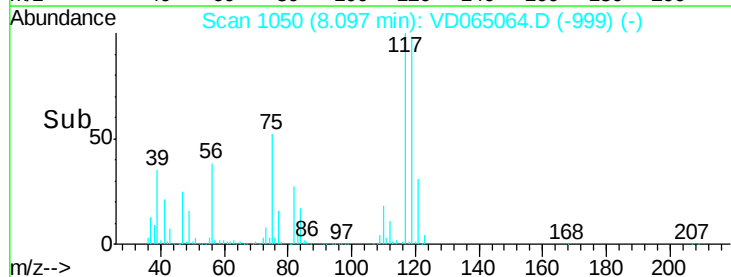
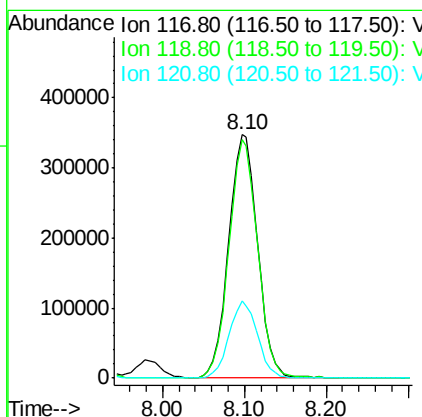
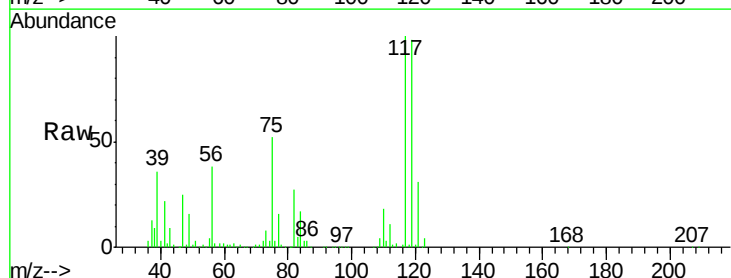
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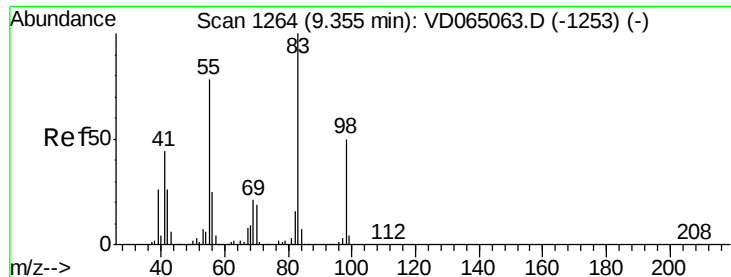
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#38
Carbon Tetrachloride
Concen: 96.815 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	78.5	117.7
121	31.5	23.8	35.6





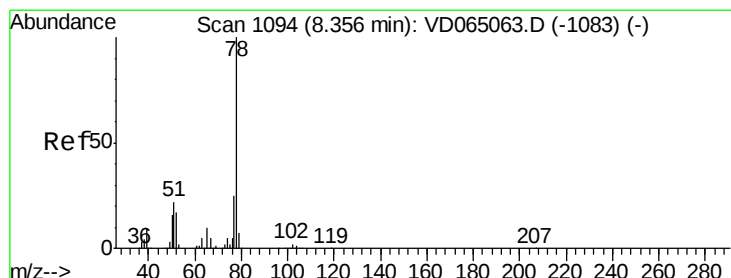
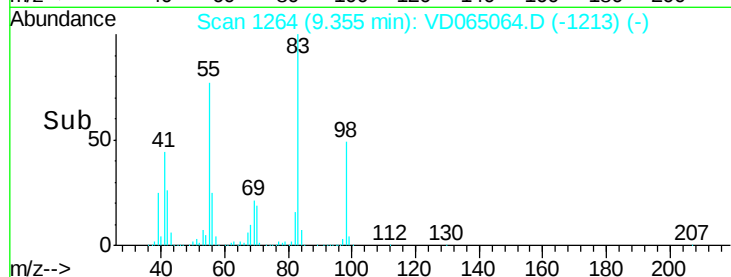
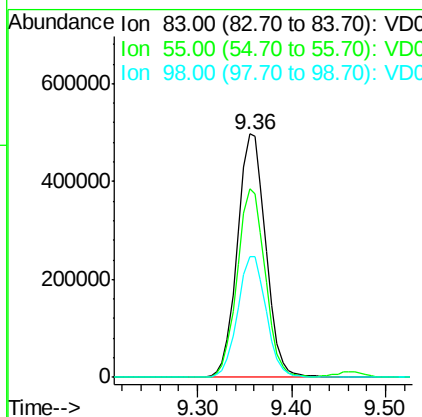
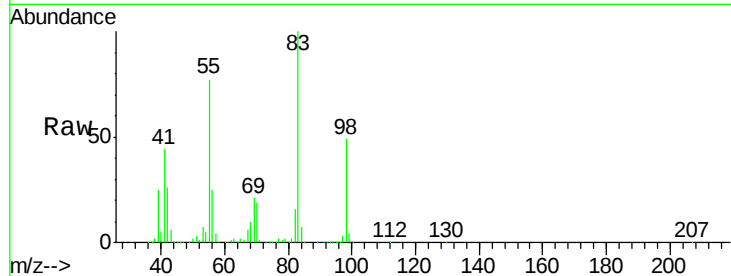
#39
Methvlcvclohexane
Concen: 105.125 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	62.0	93.0
98	49.4	39.9	59.9

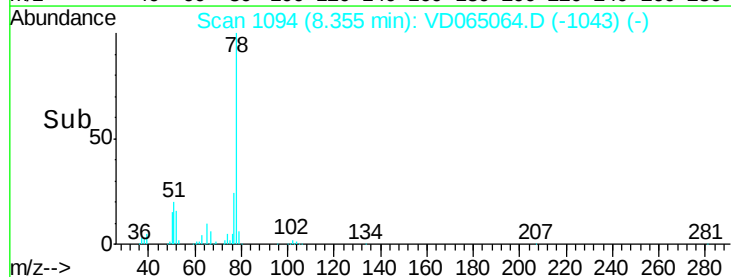
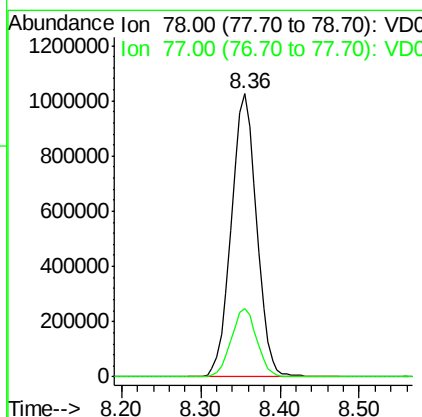
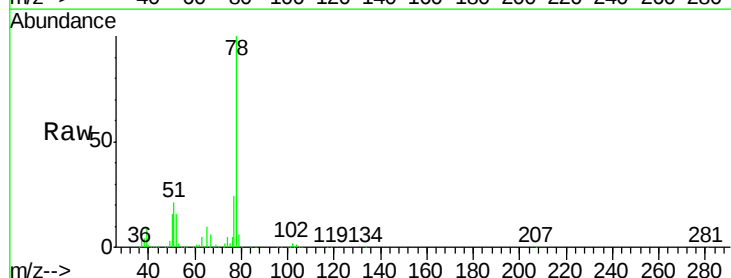
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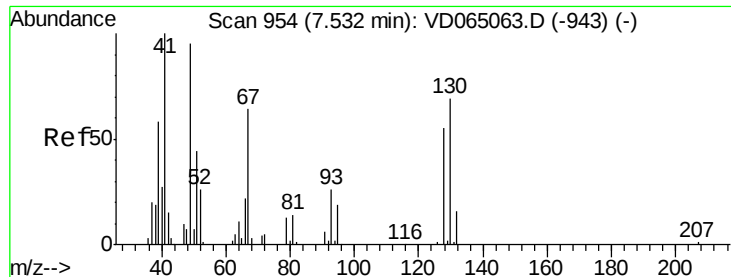
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#40
Benzene
Concen: 98.461 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.6	29.4





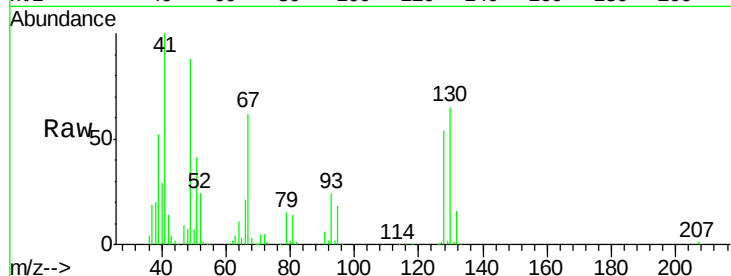
#41
Methacrylonitrile
Concen: 104.421 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

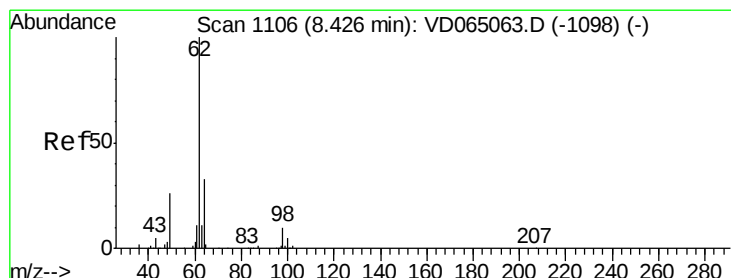
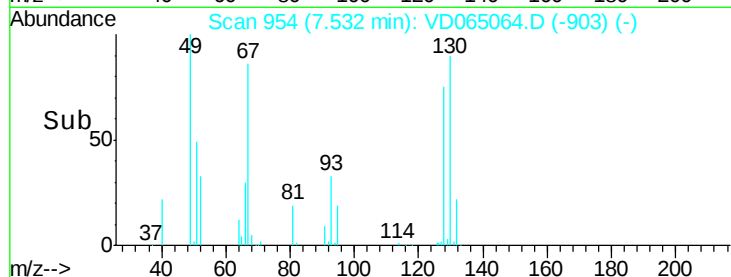
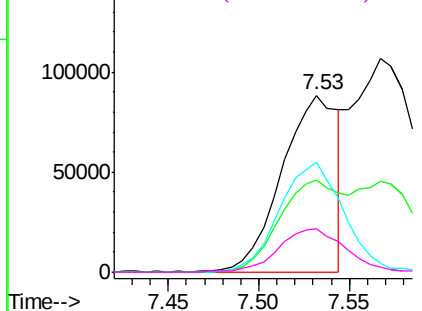
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		189952		
39	60.9	55.4	83.0		
67	71.7	59.0	88.6		
52	29.9	25.4	38.0		

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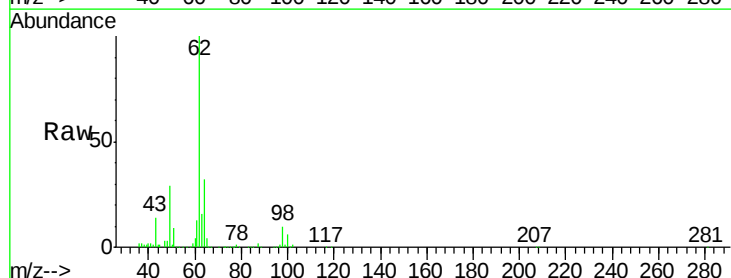


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

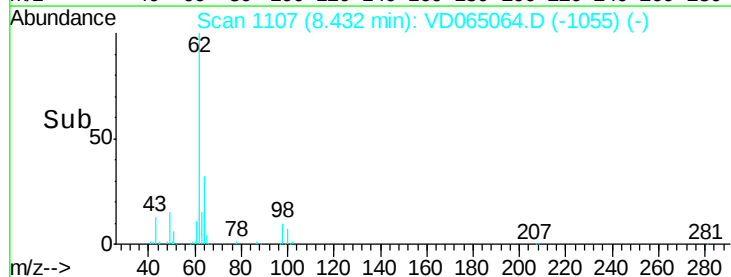
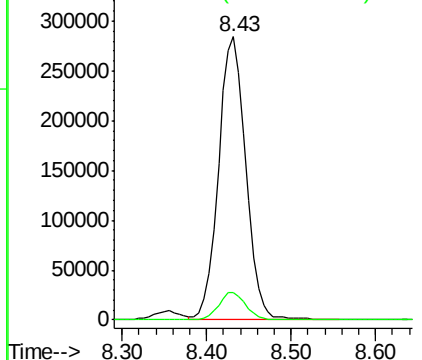


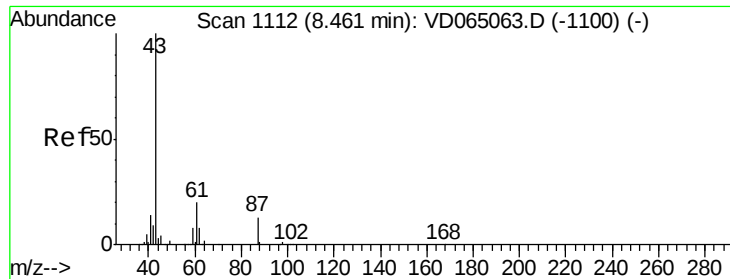
#42
1,2-Dichloroethane
Concen: 92.673 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		632964		
98	9.7	0.0	18.6		



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





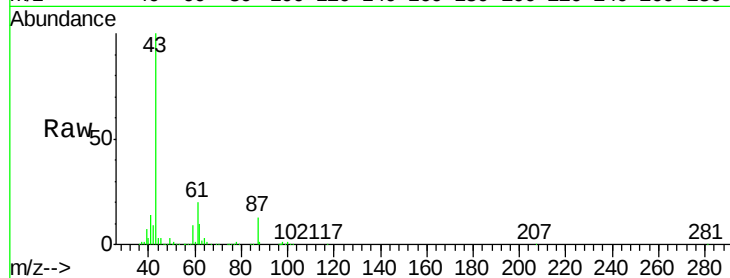
#43
Isopropyl Acetate
Concen: 97.846 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.0	24.0	36.0
87	13.0	10.2	15.4

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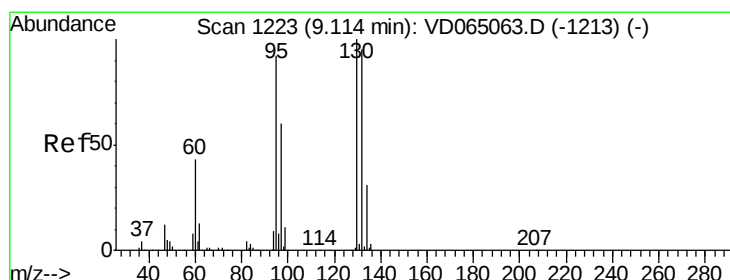
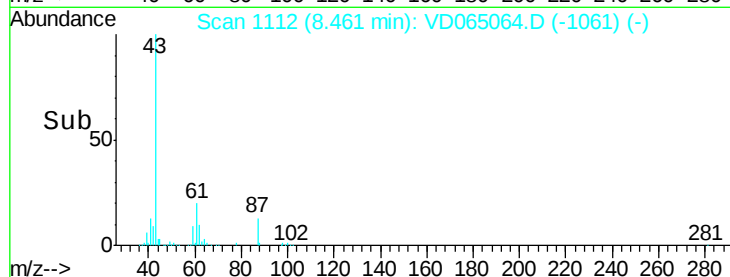
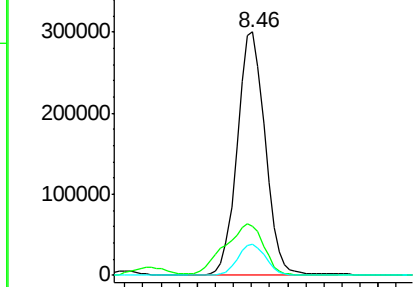


Abundance

Ion 43.00 (42.70 to 43.70): VDC

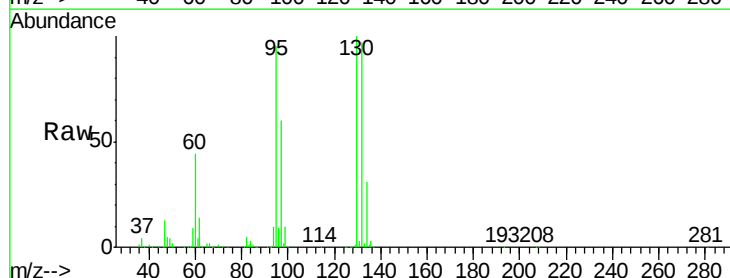
Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44
Trichloroethene
Concen: 98.445 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

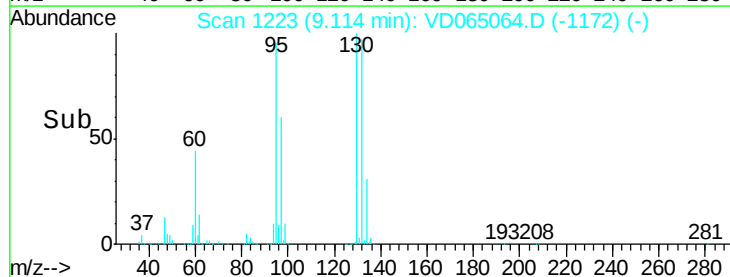
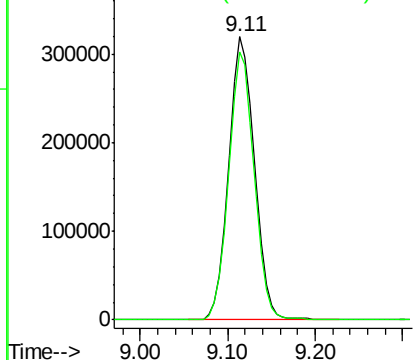
Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	185.0

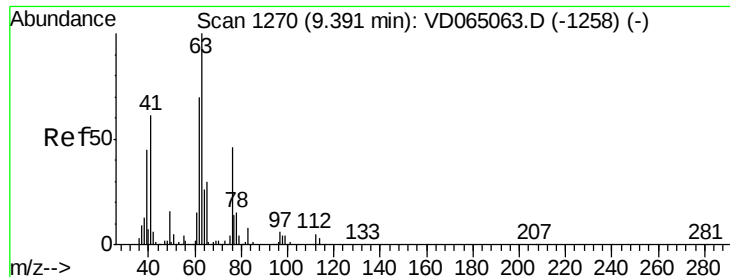


Abundance

Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 96.796 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 543492

Ion Ratio Lower Upper

63 100

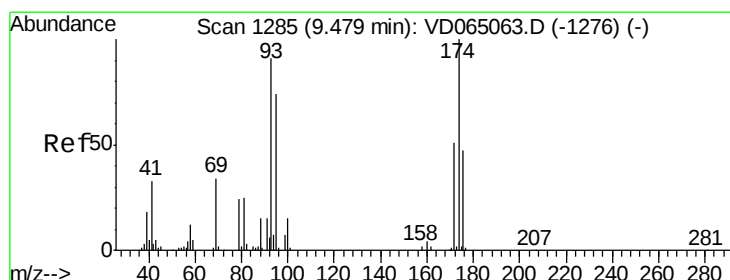
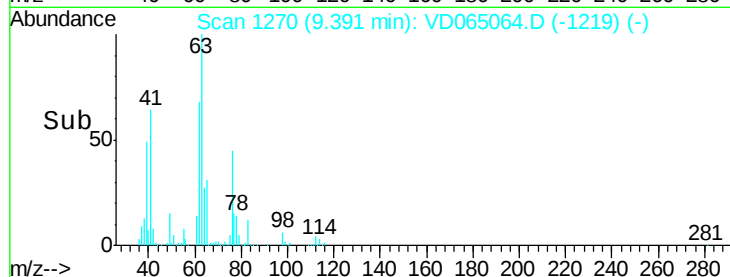
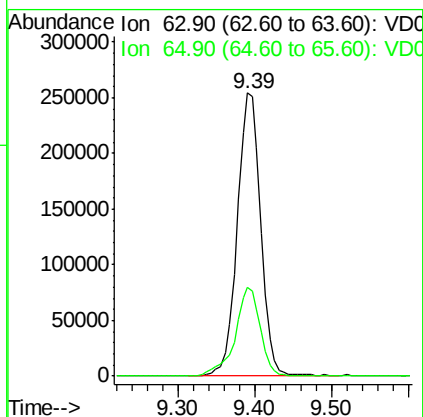
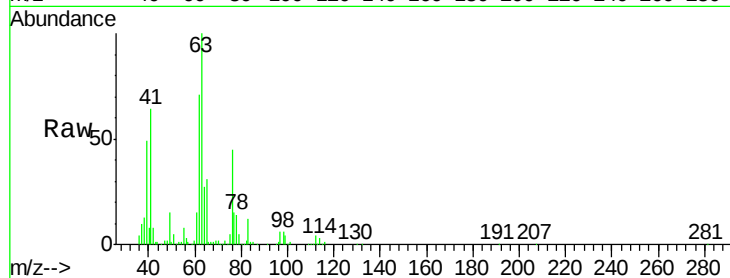
65 31.3 23.9 35.9

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#46

Dibromomethane

Concen: 92.185 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

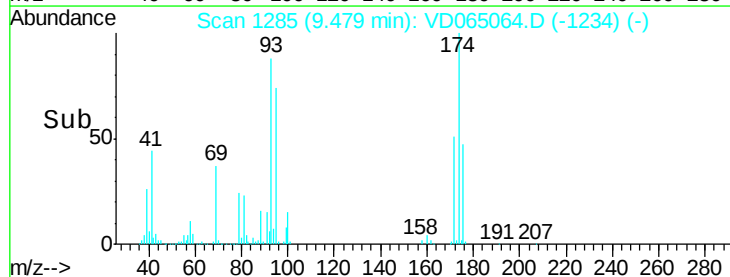
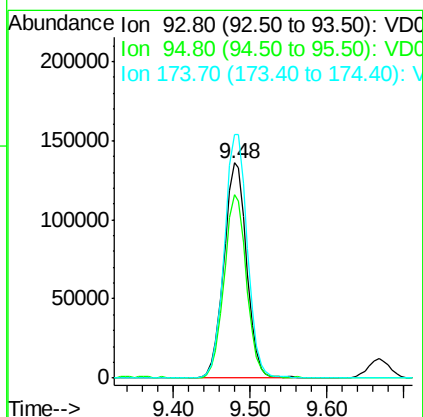
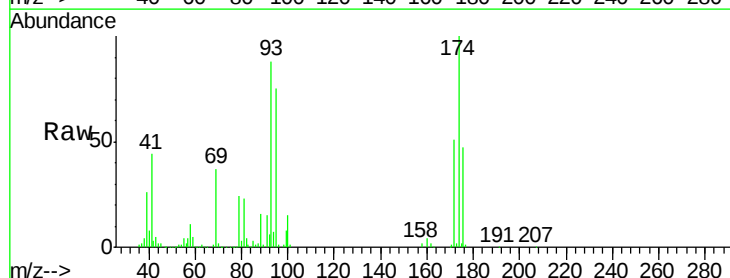
Tgt Ion: 93 Resp: 280368

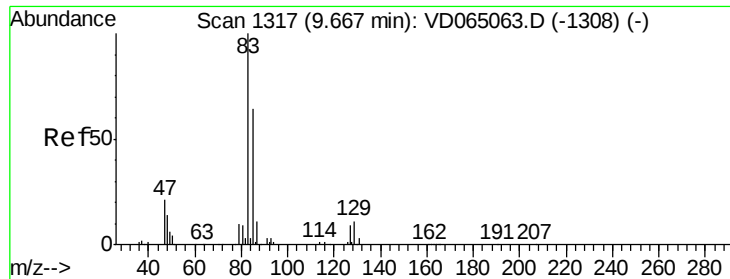
Ion Ratio Lower Upper

93 100

95 83.9 66.5 99.7

174 114.5 89.8 134.8





#47

Bromodichloromethane

Concen: 94.930 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

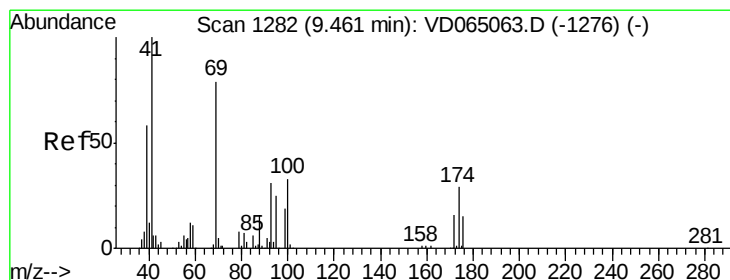
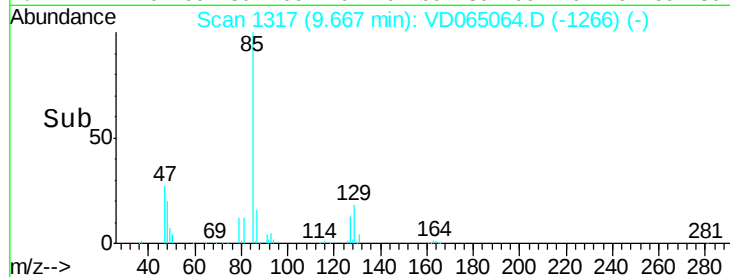
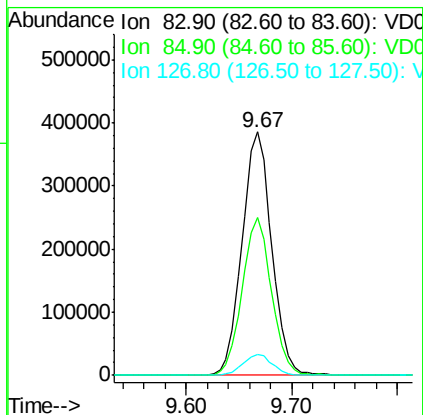
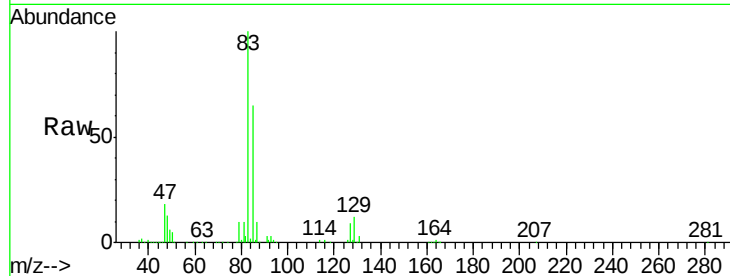
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	751620
Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.0	76.6
127	8.6	7.3	10.9

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#48

Methyl methacrylate

Concen: 101.882 ug/l

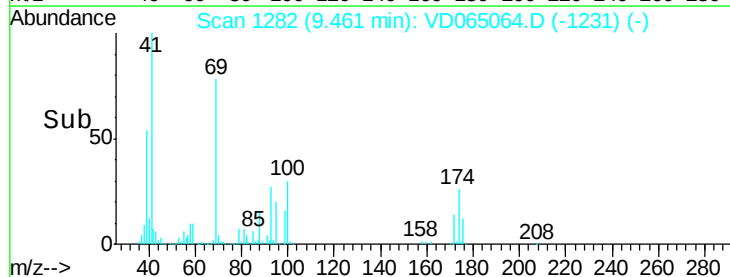
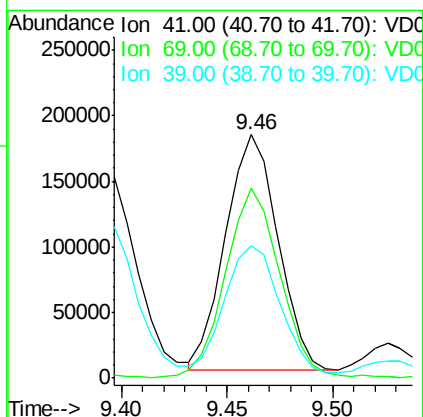
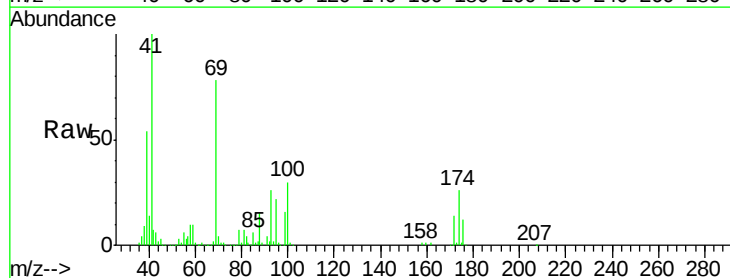
RT: 9.46 min Scan# 1282

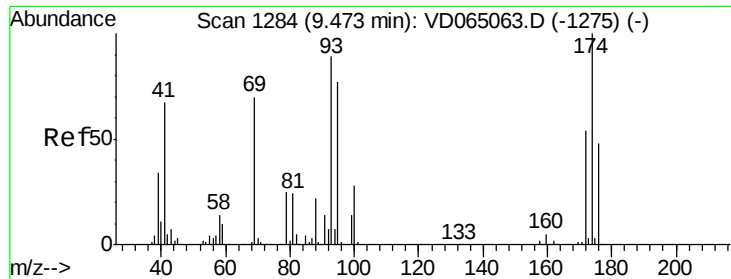
Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Tgt Ion:	41	Resp:	307637
Ion	Ratio	Lower	Upper
41	100		
69	83.8	67.5	101.3
39	57.3	47.0	70.4





#49

1,4-Dioxane

Concen: 1933.850 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

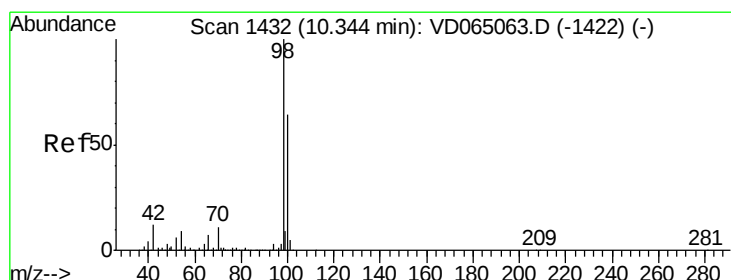
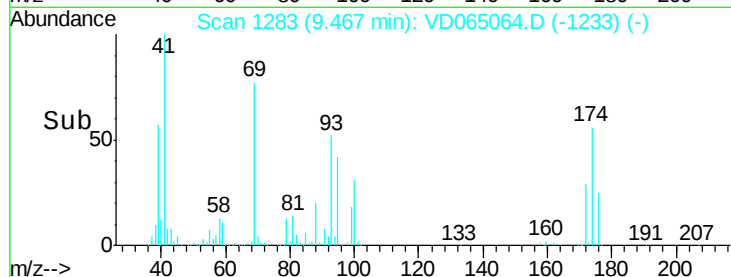
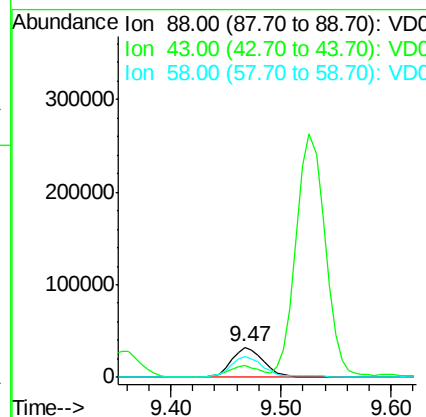
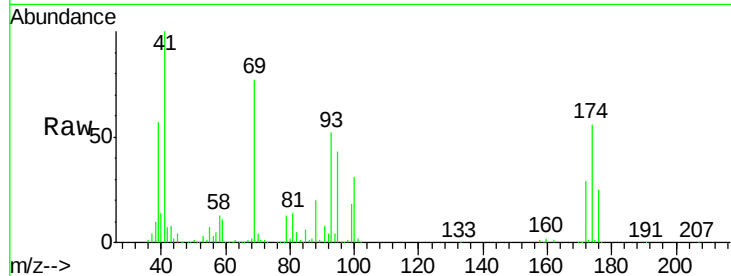
ClientSampleId :

VSTDIC100

Tot Ion:	88	Resp:	67591
Ion	Ratio	Lower	Upper
88	100		
43	35.0	27.7	41.5
58	72.5	55.5	83.3

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#50

Toluene-d8

Concen: 99.481 ug/l

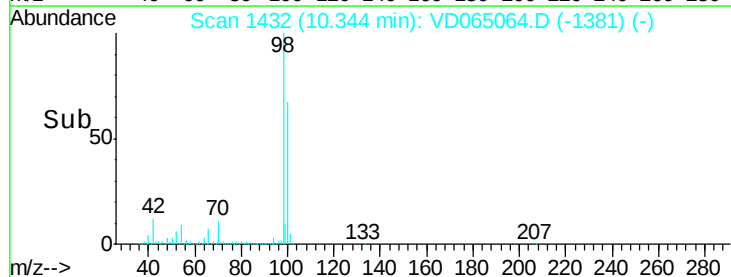
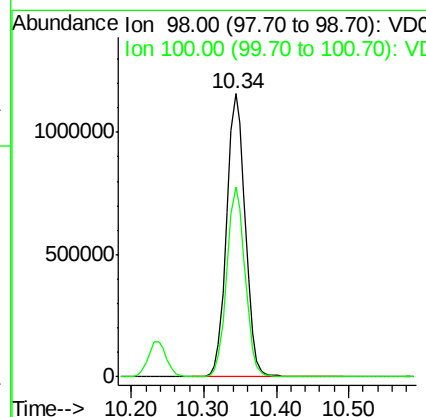
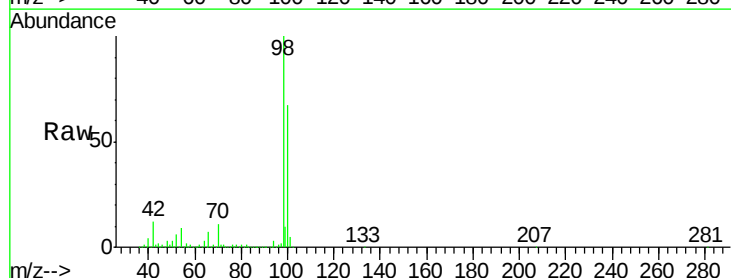
RT: 10.34 min Scan# 1432

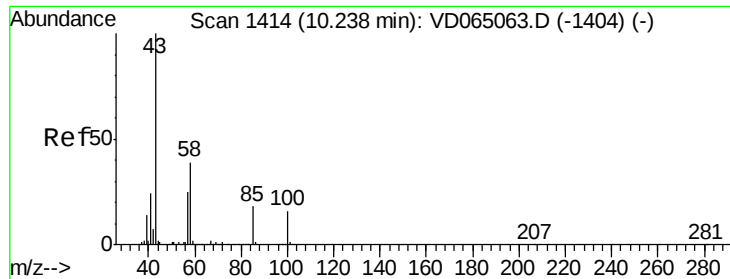
Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Tgt Ion:	98	Resp:	2072548
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 493.692 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC100

Tot Ion: 43 Resp: 1610895

Ion Ratio Lower Upper

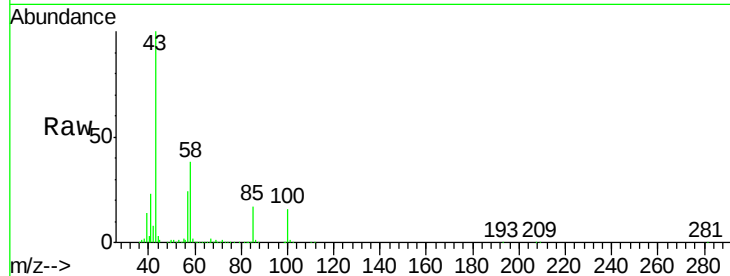
43 100

58 38.5 30.2 45.2

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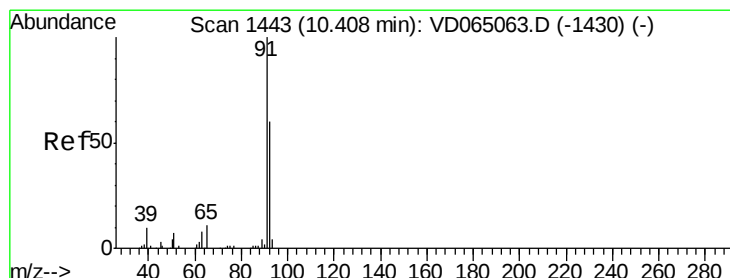
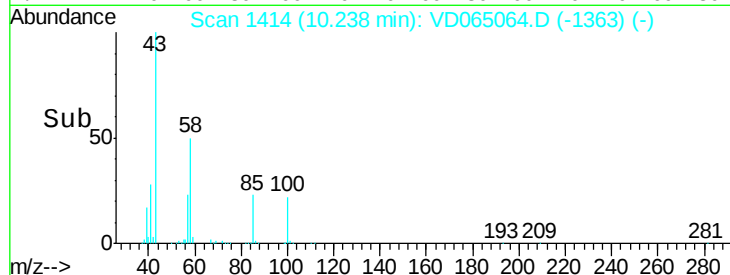
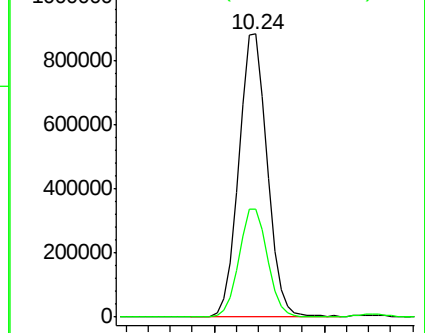
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 98.117 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065064.D

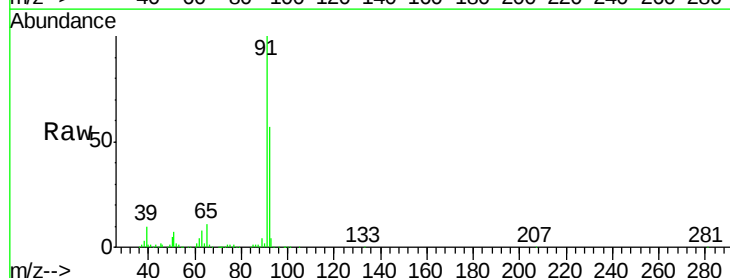
Acq: 05 Feb 2020 15:03

Tgt Ion: 92 Resp: 1463057

Ion Ratio Lower Upper

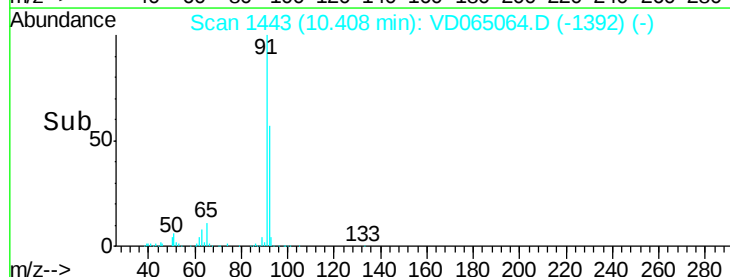
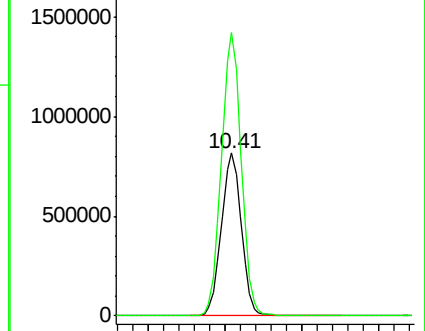
92 100

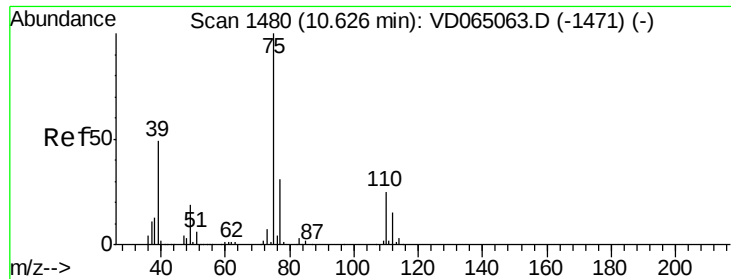
91 173.4 135.3 202.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





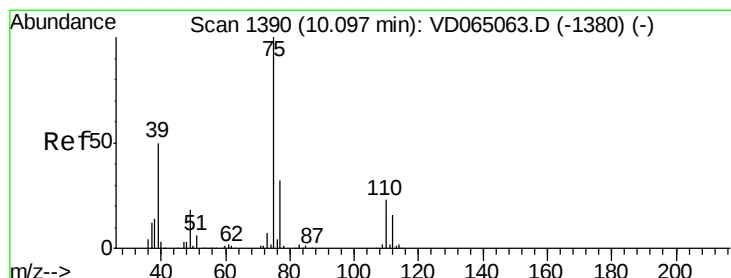
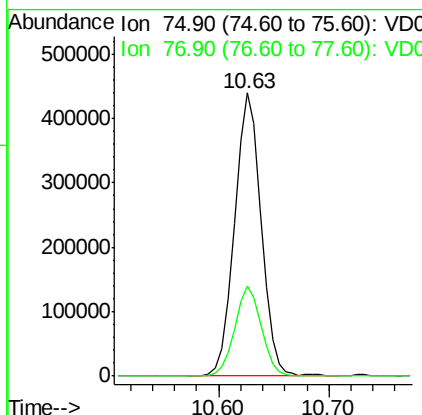
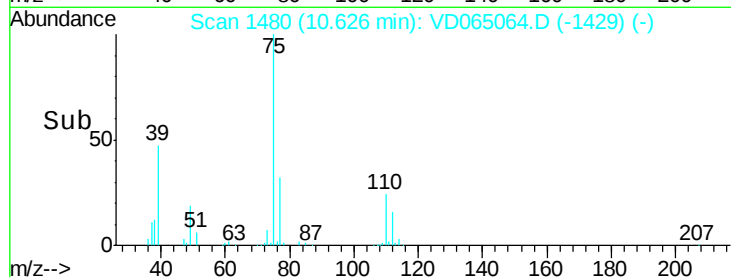
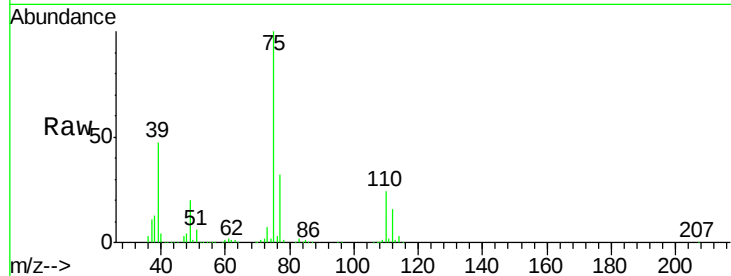
#53
t-1,3-Dichloropropene
Concen: 98.592 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 743909
Ion Ratio Lower Upper
75 100
77 31.7 24.9 37.3

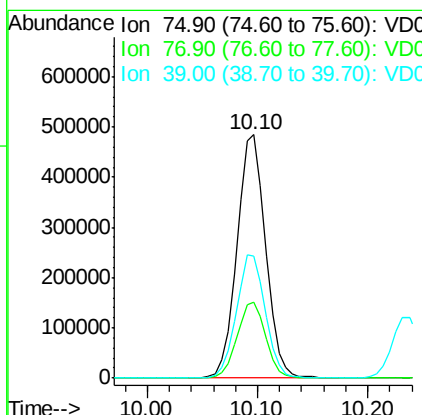
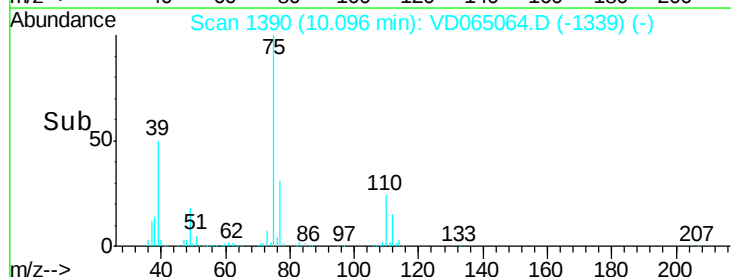
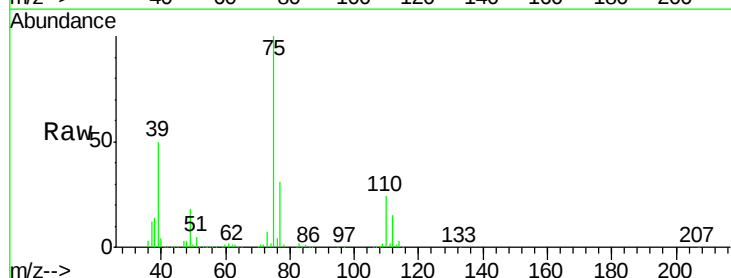
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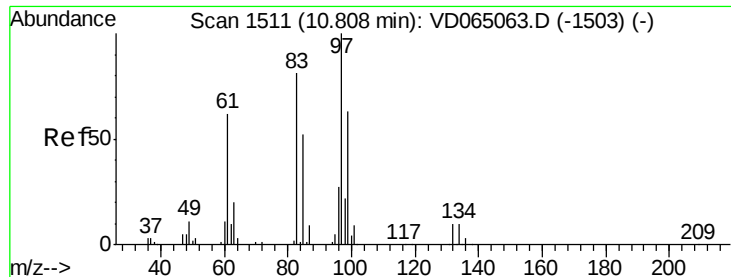
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#54
cis-1,3-Dichloropropene
Concen: 99.908 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion: 75 Resp: 886252
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9
39 50.2 40.3 60.5





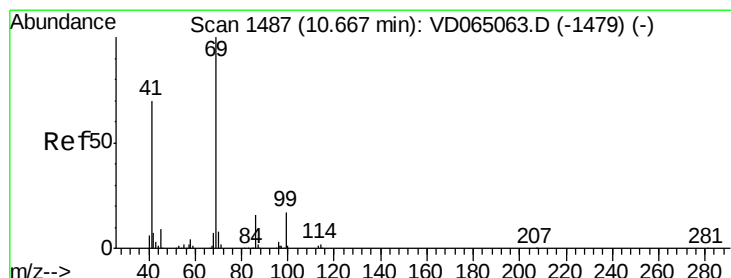
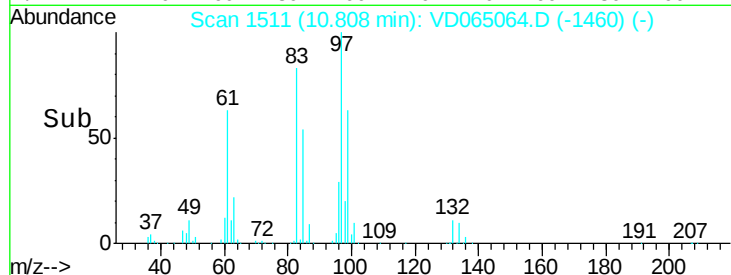
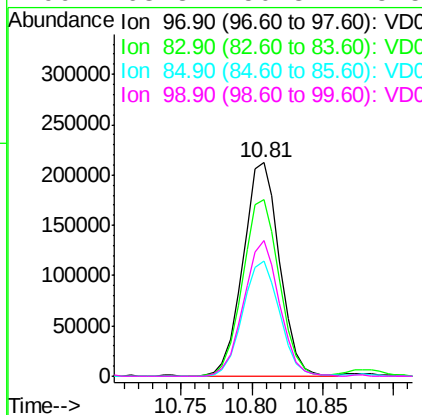
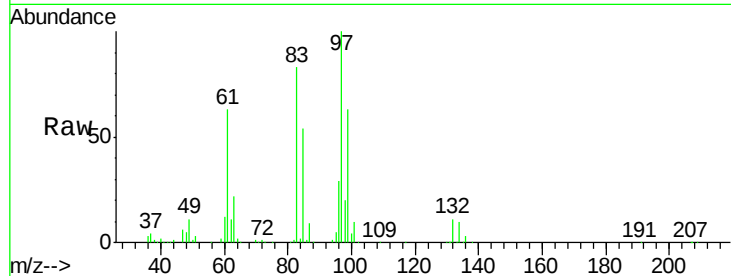
#55
 1,1,2-Trichloroethane
 Concen: 94.092 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	385092
Ion	Ratio	Lower	Upper
97	100		
83	82.9	64.8	97.2
85	53.9	41.2	61.8
99	63.3	50.3	75.5

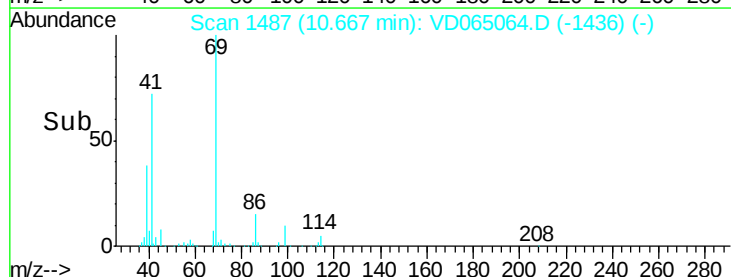
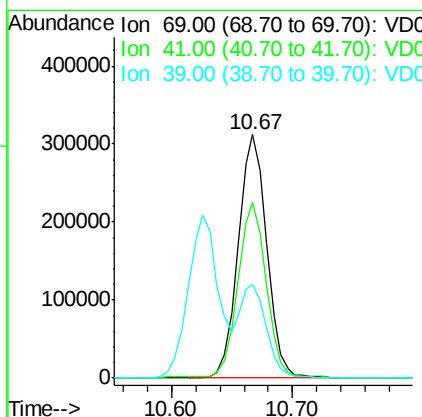
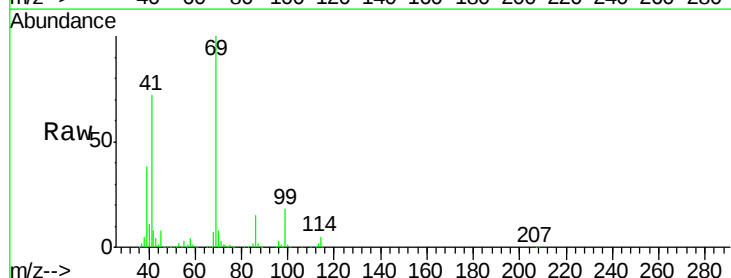
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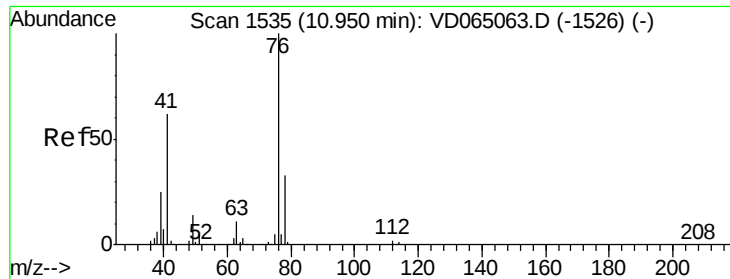
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#56
 Ethyl methacrylate
 Concen: 104.945 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Tgt Ion:	69	Resp:	515410
Ion	Ratio	Lower	Upper
69	100		
41	70.5	55.9	83.9
39	35.7	29.4	44.0





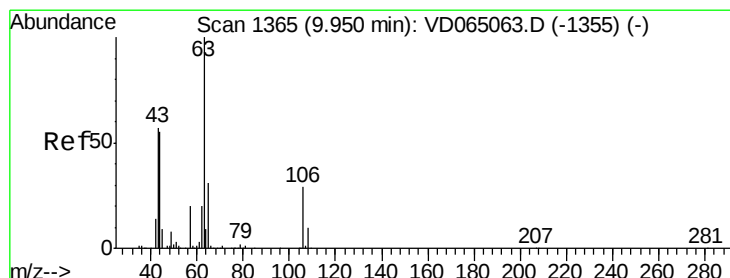
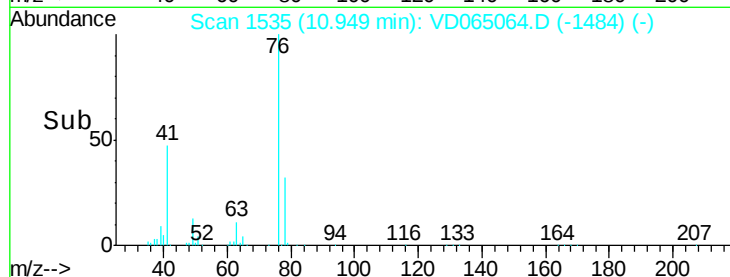
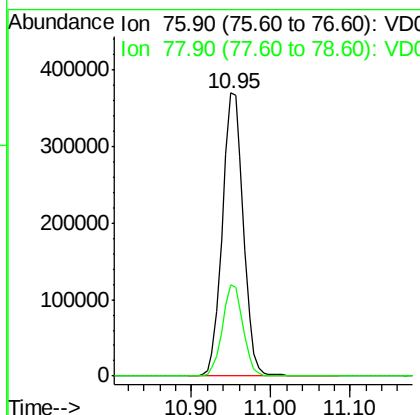
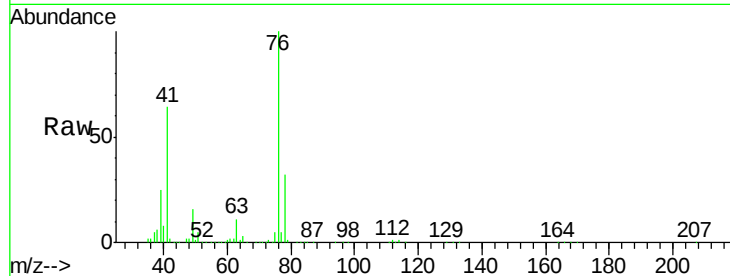
#57
 1,3-Dichloropropane
 Concen: 96.076 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.6

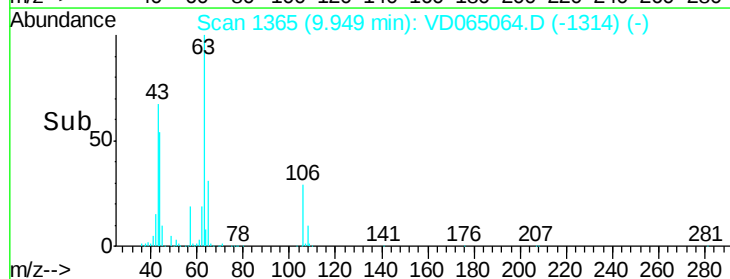
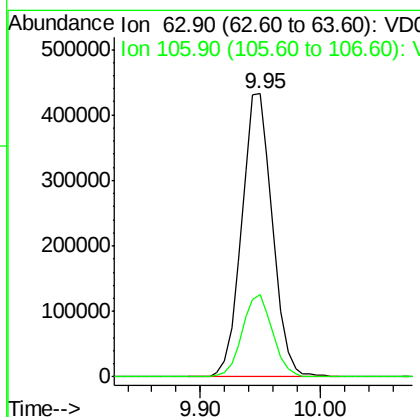
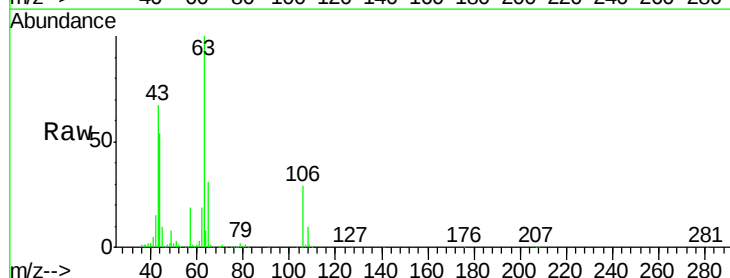
Manual Integrations
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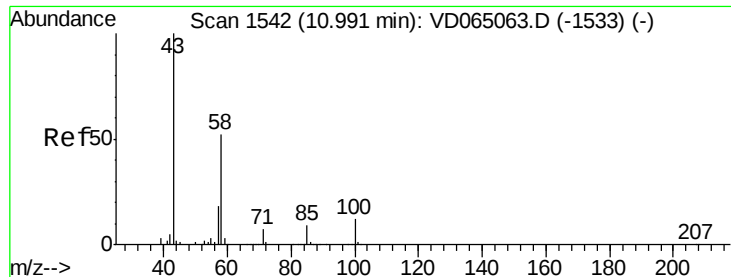
MMDadoda
 2/6/2020 10:37:18 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 448.589 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.9	23.3	34.9





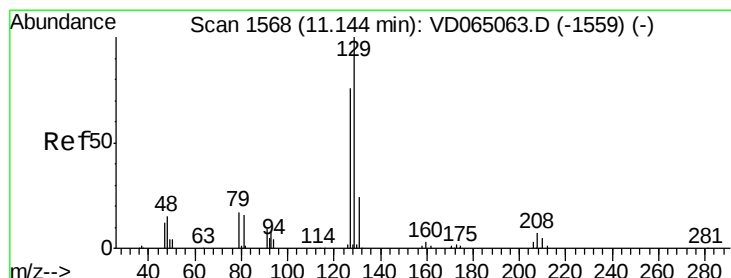
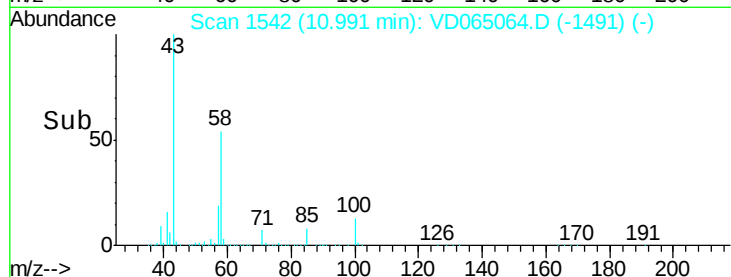
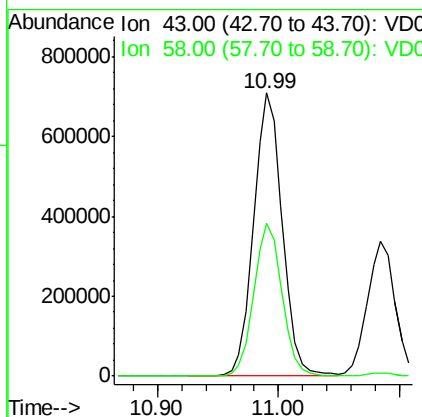
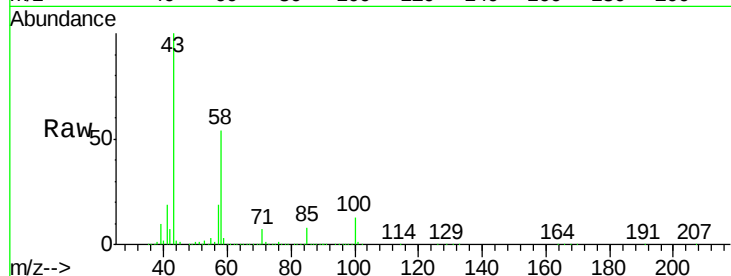
#59
2-Hexanone
Concen: 519.137 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1172420
Ion Ratio Lower Upper
43 100
58 53.2 26.2 78.6

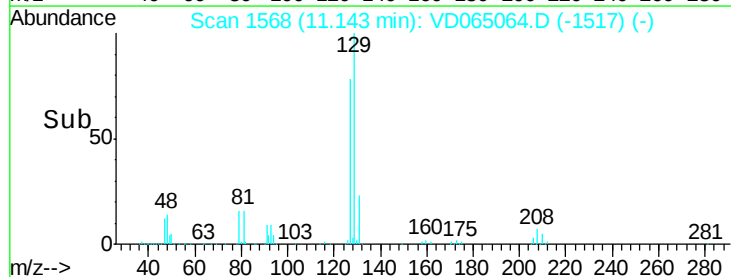
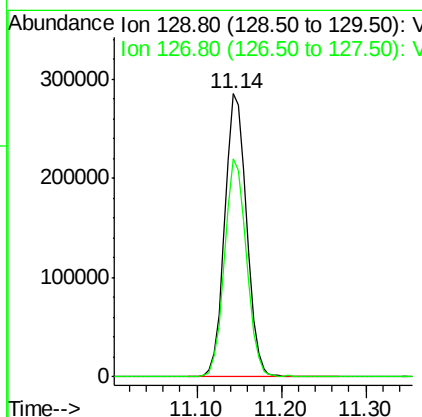
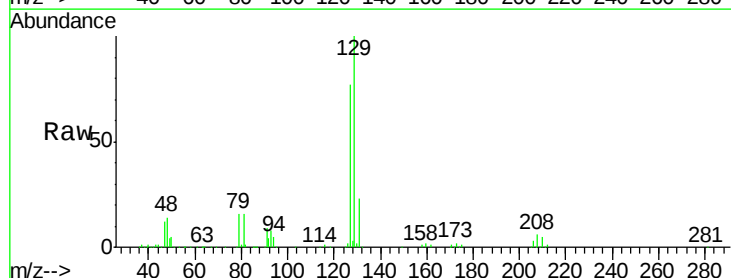
Manual Integrations
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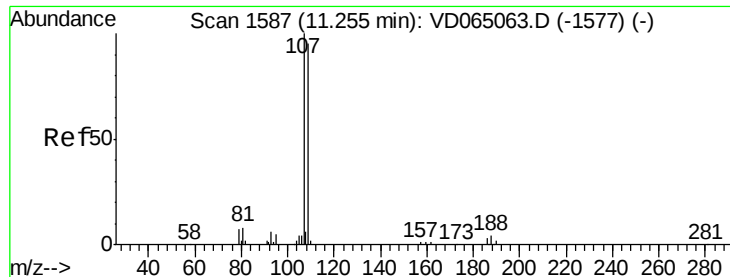
MMDadoda
2/6/2020 10:37:18 AM



#60
Dibromochloromethane
Concen: 93.213 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion: 129 Resp: 508326
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.9





#61

1,2-Dibromoethane

Concen: 95.418 ug/l

RT: 11.26 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 376880

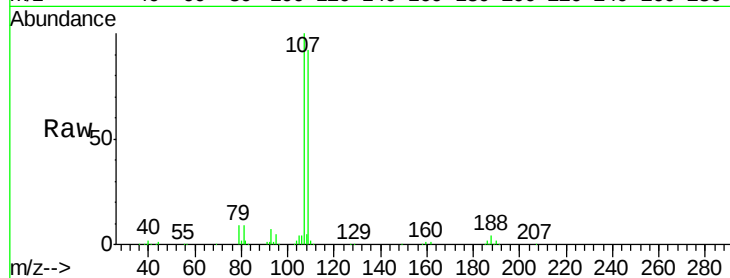
Ion Ratio Lower Upper

107 100

109 94.3 75.5 113.3

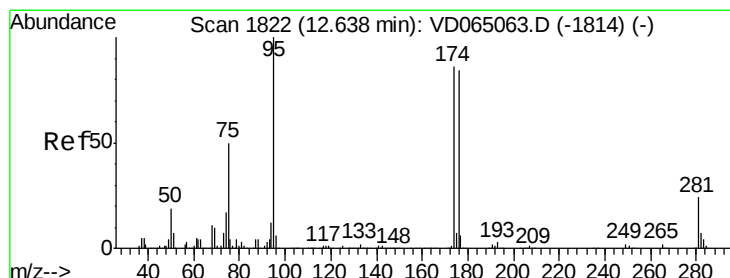
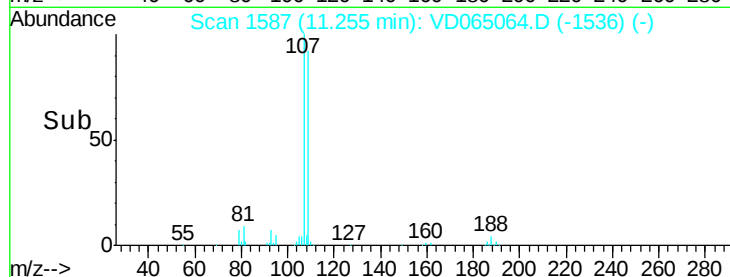
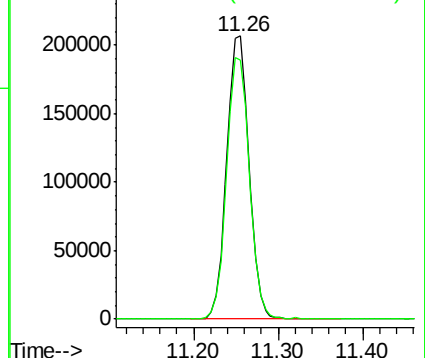
Manual Integrations
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2/6/2020 10:37:18 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 99.696 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

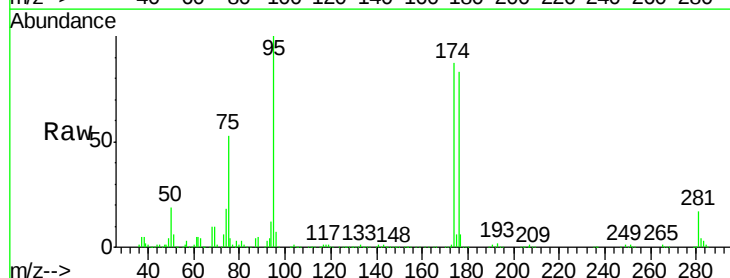
Tgt Ion: 95 Resp: 641120

Ion Ratio Lower Upper

95 100

174 91.2 0.0 180.0

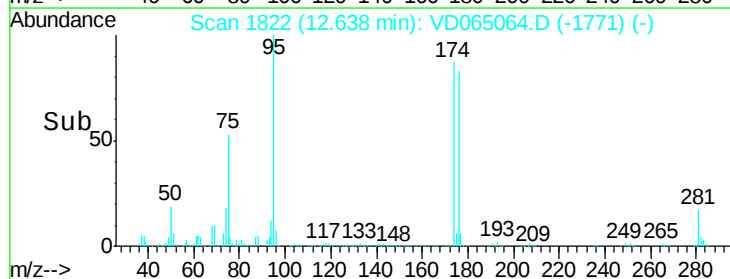
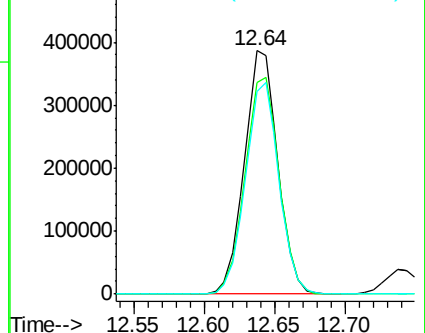
176 87.2 0.0 173.2

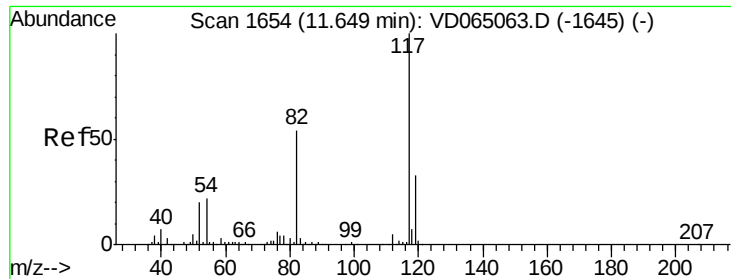


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





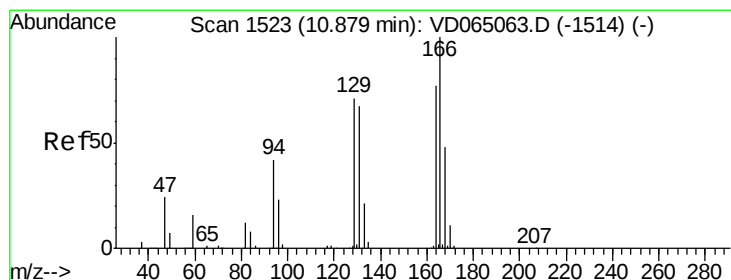
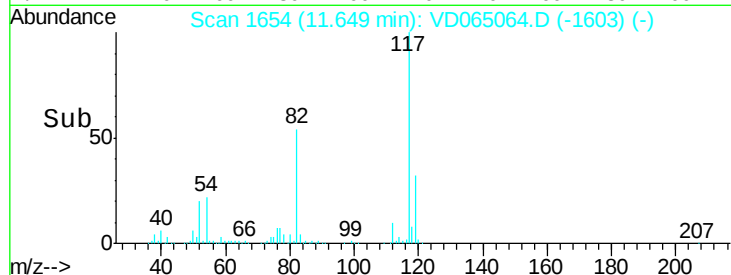
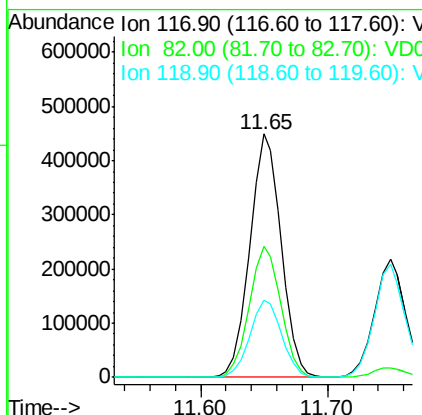
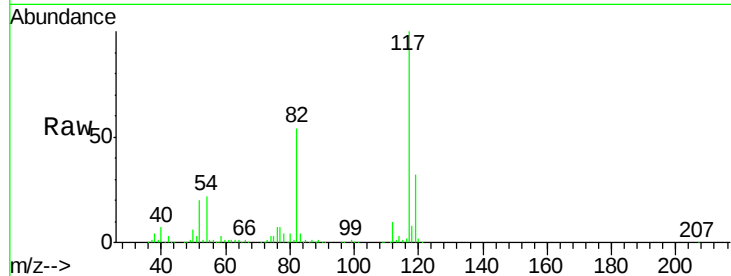
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.1	64.7
119	31.9	26.0	39.0

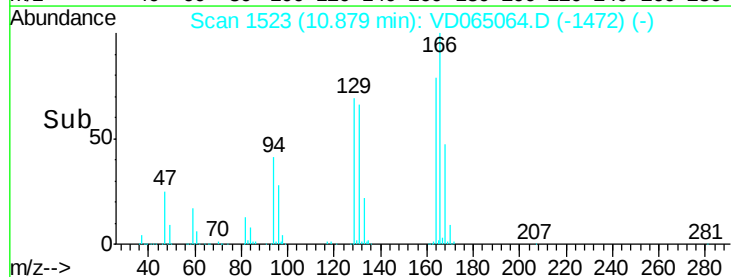
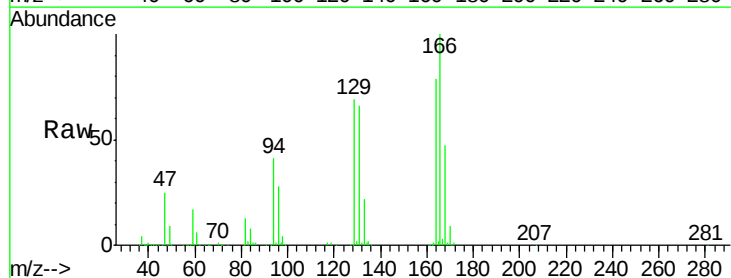
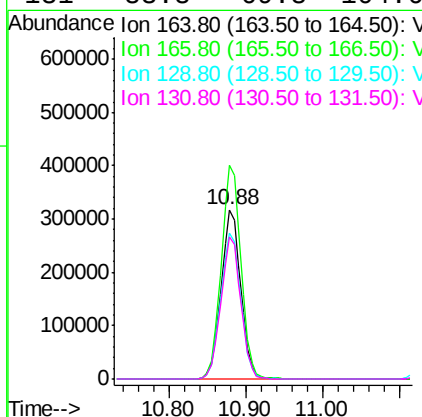
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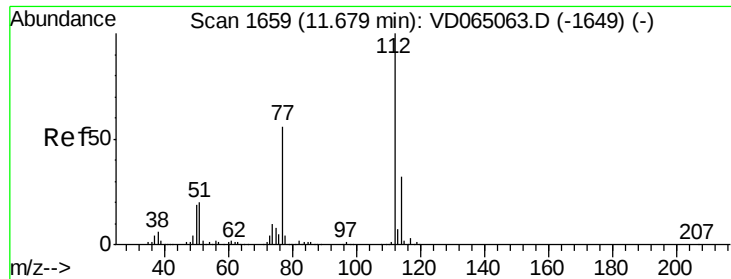
MMDadoda
2/6/2020 10:37:18 AM



#64
Tetrachloroethene
Concen: 99.908 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	103.5	155.3
129	86.5	73.3	109.9
131	83.8	69.8	104.6





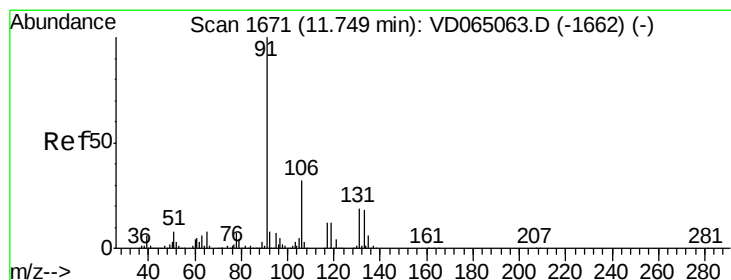
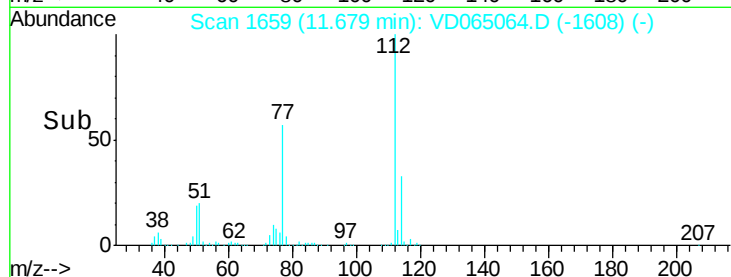
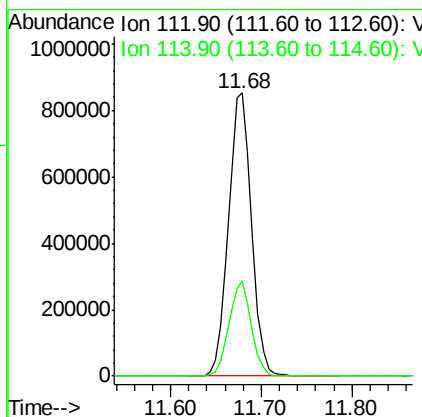
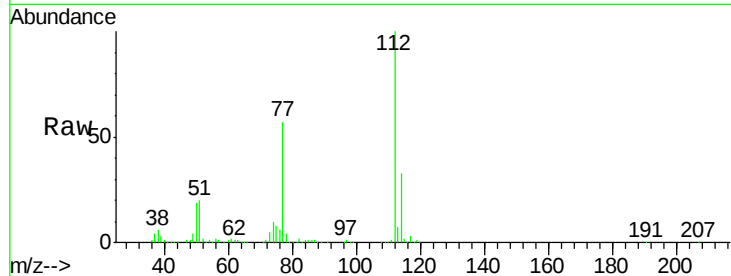
#65
Chlorobenzene
Concen: 95.246 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1500562
Ion Ratio Lower Upper
112 100
114 33.4 25.4 38.0

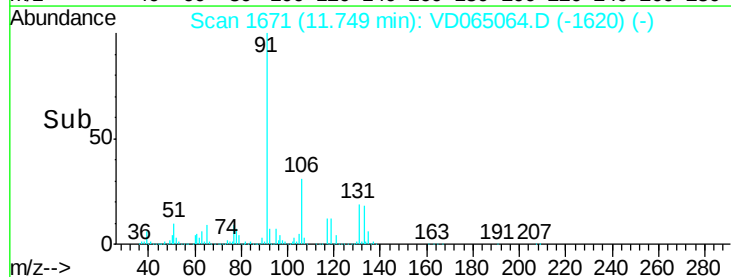
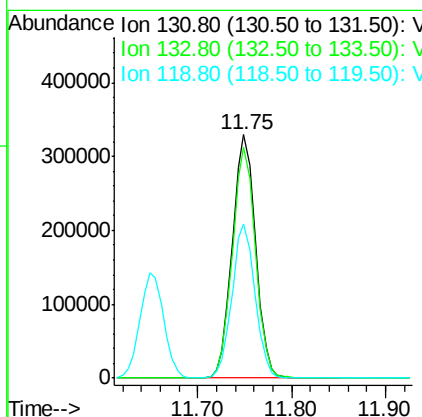
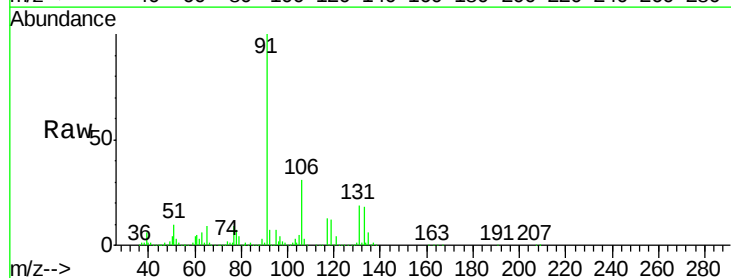
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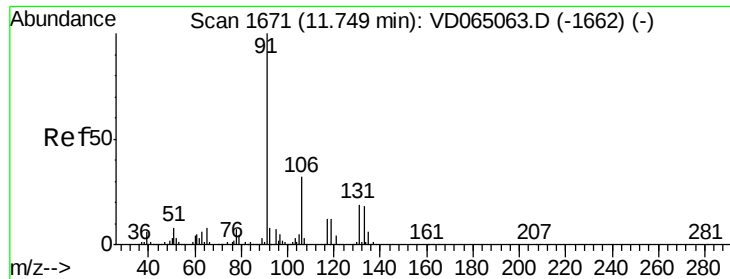
MMDadoda
2/6/2020 10:37:18 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 96.118 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion:131 Resp: 566923
Ion Ratio Lower Upper
131 100
133 94.2 47.7 143.1
119 62.8 31.3 93.8





#67

Ethyl Benzene

Concen: 100.552 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2807943

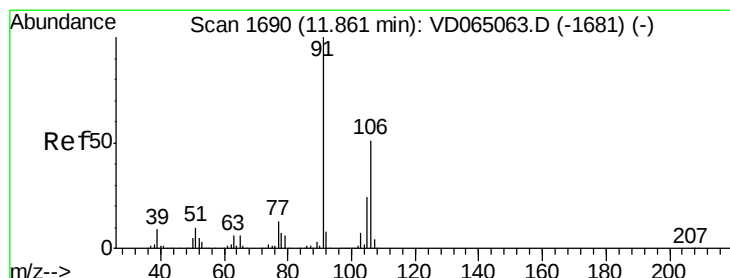
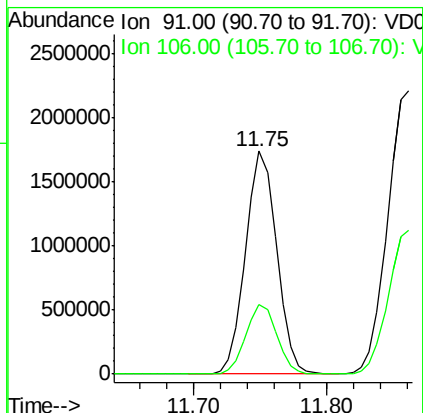
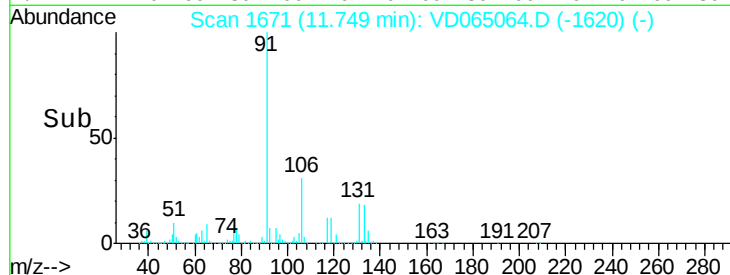
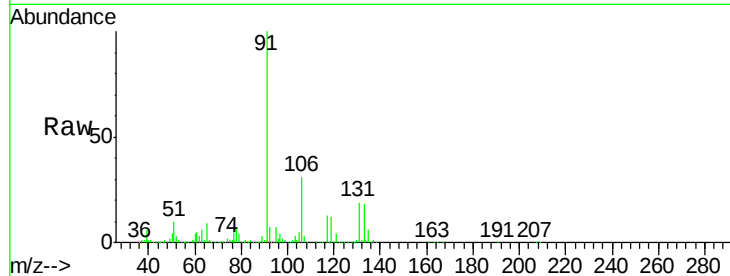
Ion Ratio Lower Upper

91 100

106 31.0 25.4 38.2

Manual Integrations
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2/6/2020 10:37:18 AM



#68

m/p-Xylenes

Concen: 197.797 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065064.D

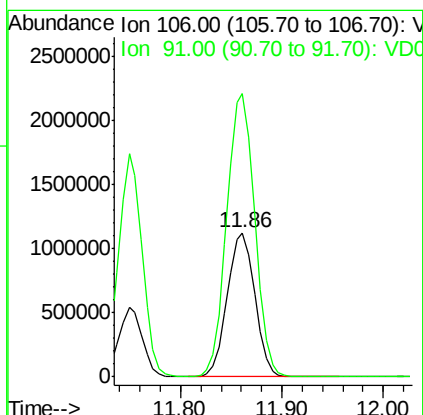
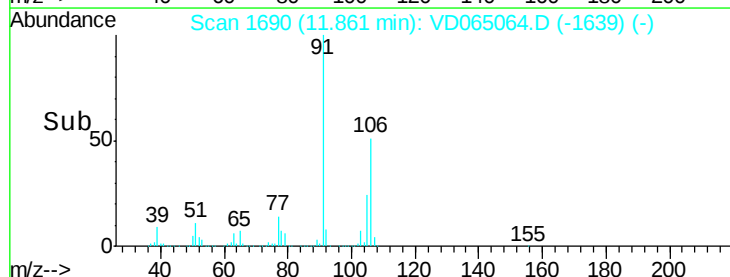
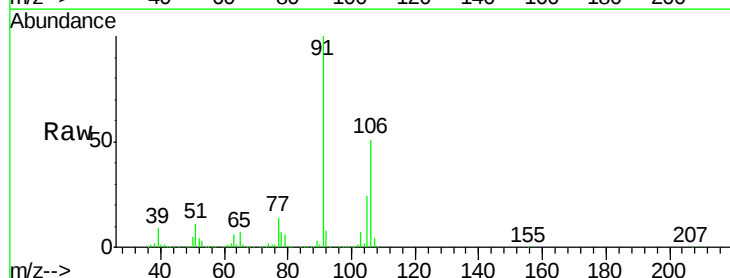
Acq: 05 Feb 2020 15:03

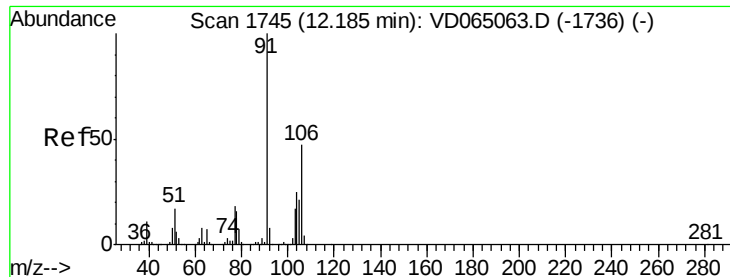
Tgt Ion: 106 Resp: 2125966

Ion Ratio Lower Upper

106 100

91 199.1 158.9 238.3





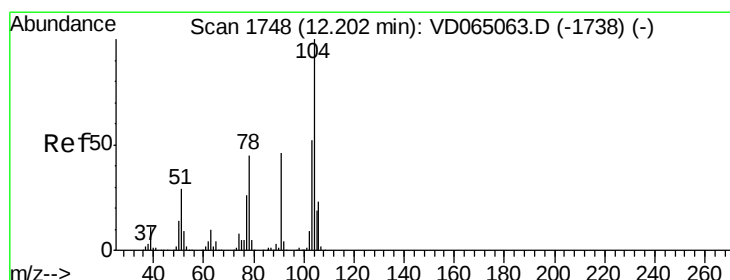
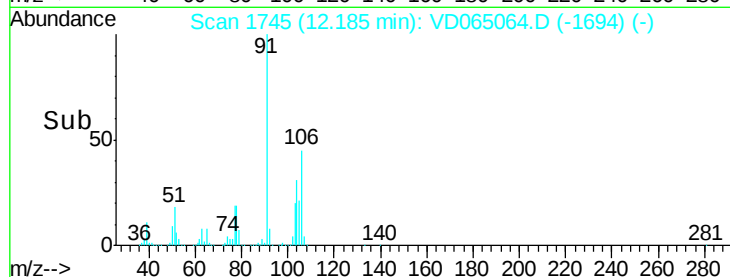
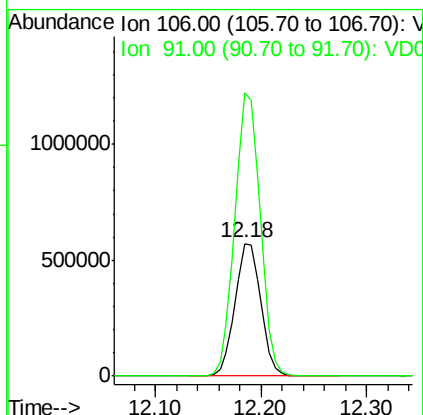
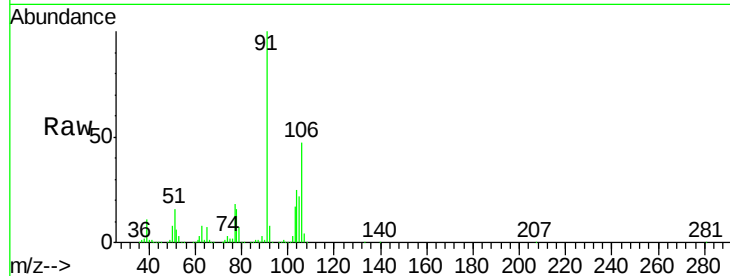
#69
o-Xylene
Concen: 100.750 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.0	104.7	313.9

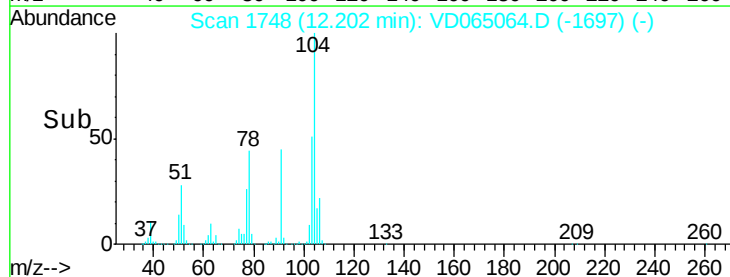
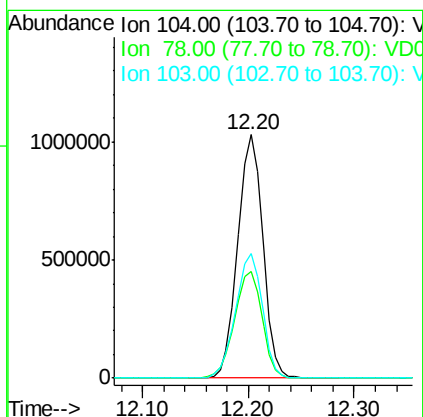
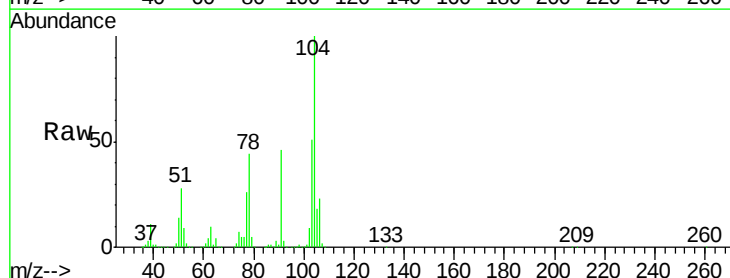
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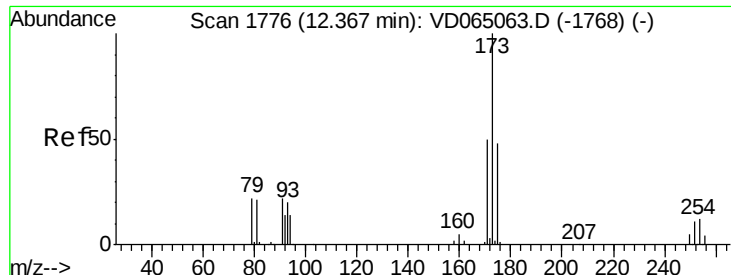
MMDadoda
2/6/2020 10:37:18 AM



#70
Styrene
Concen: 100.145 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	38.5	57.7
103	54.5	43.8	65.8





#71

Bromoform

Concen: 91.173 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

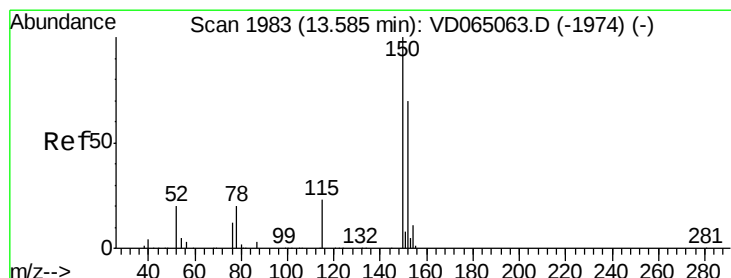
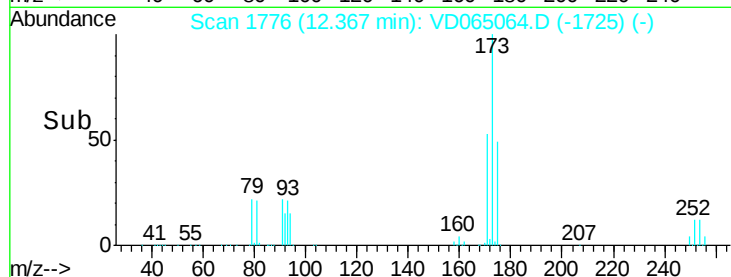
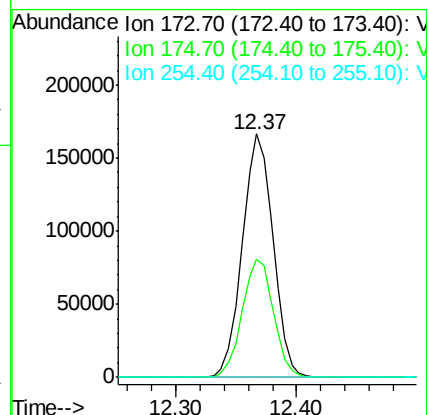
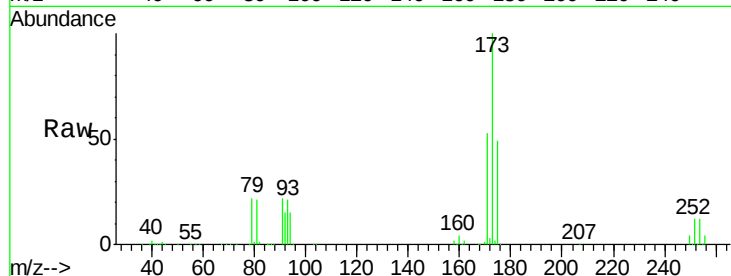
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.3	72.8
254	0.3	0.1	0.1

Manual Integrations
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MMDadoda
2/6/2020 10:37:18 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

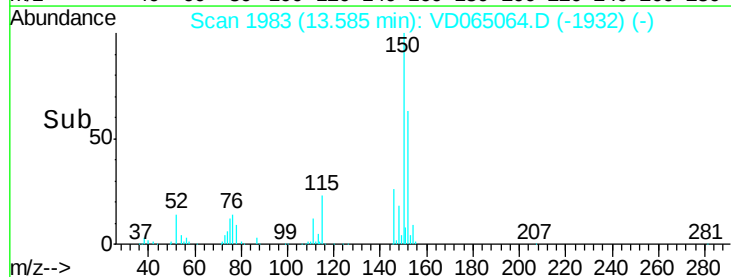
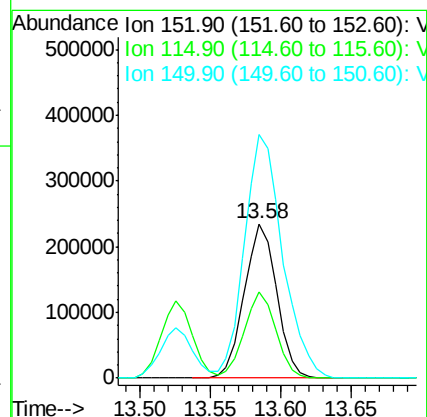
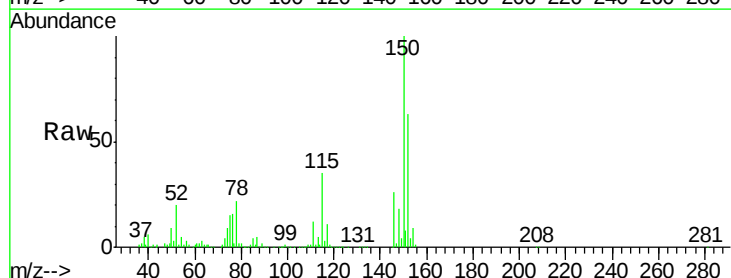
RT: 13.58 min Scan# 1983

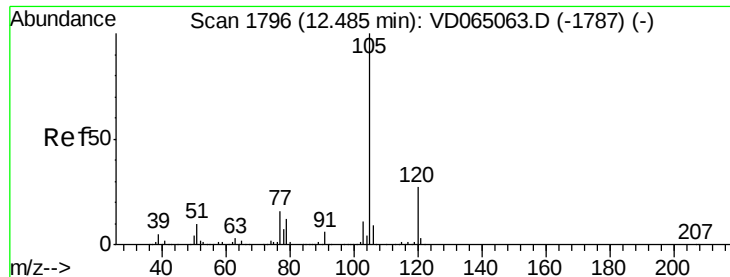
Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.5	82.4
150	185.9	0.0	343.2





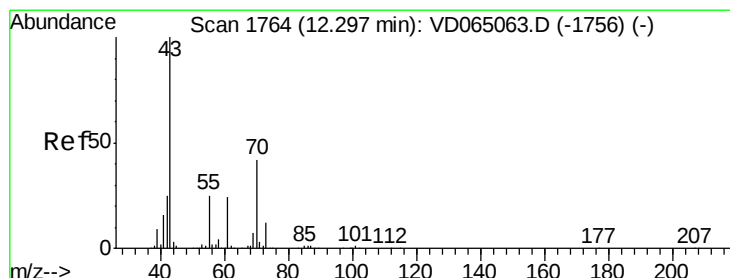
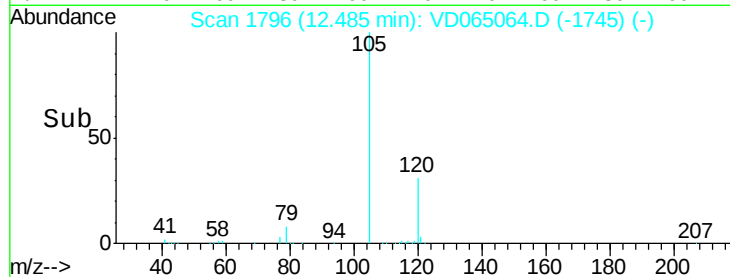
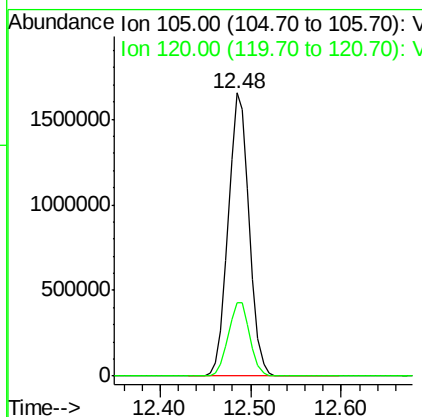
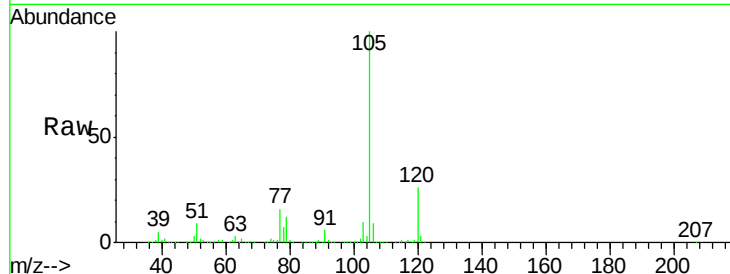
#73
Isopropylbenzene
Concen: 102.202 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 2645789
Ion Ratio Lower Upper
105 100
120 26.7 13.3 39.9

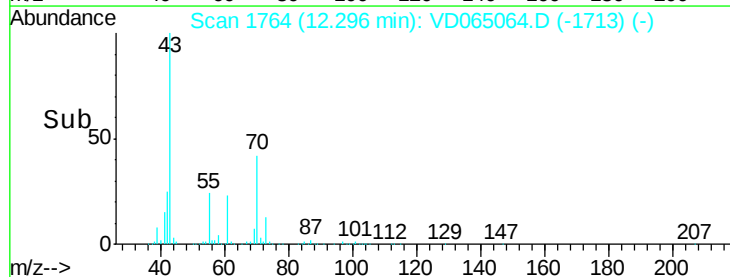
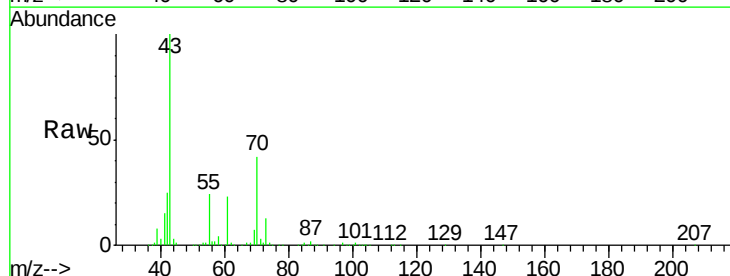
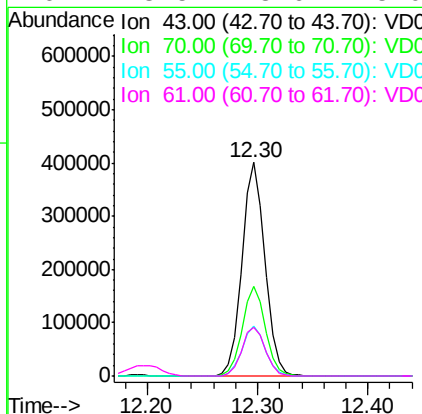
Manual Integrations
APPROVED

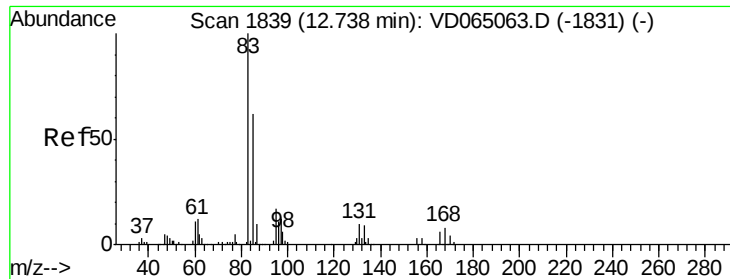
MMDadoda
2/6/2020 10:37:18 AM



#74
N-ethyl acetate
Concen: 101.752 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion: 43 Resp: 585972
Ion Ratio Lower Upper
43 100
70 41.8 33.5 50.3
55 23.8 19.4 29.2
61 23.5 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 92.000 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 396162

Ion Ratio Lower Upper

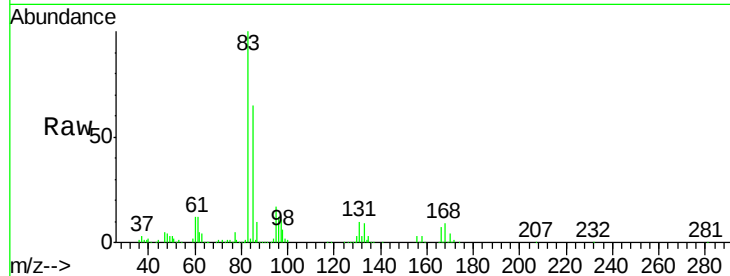
83 100

131 11.1 5.5 16.4

85 64.6 31.8 95.4

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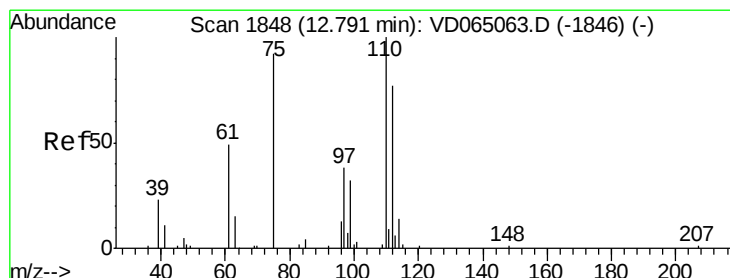
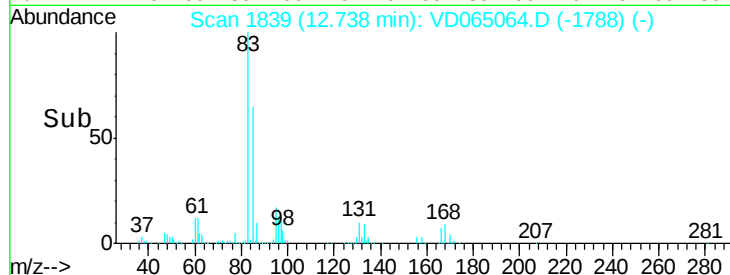
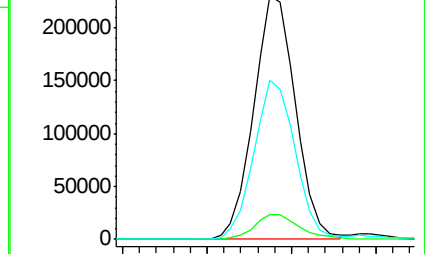
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 95.718 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065064.D

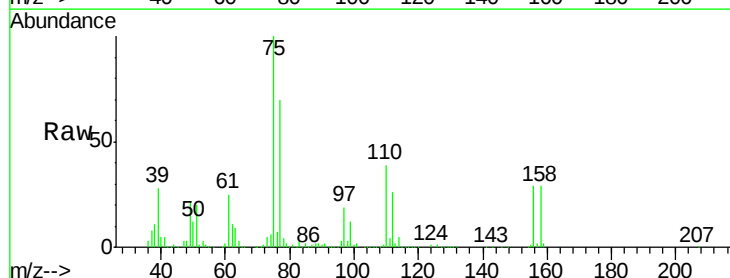
Acq: 05 Feb 2020 15:03

Tgt Ion: 75 Resp: 292544

Ion Ratio Lower Upper

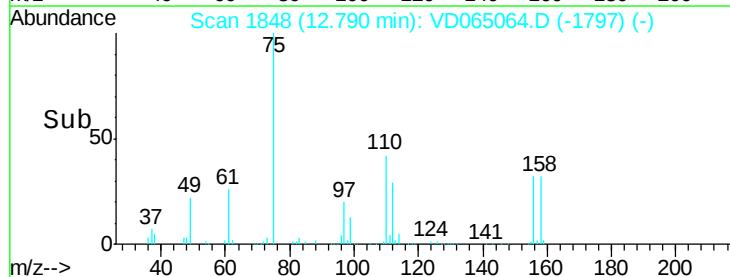
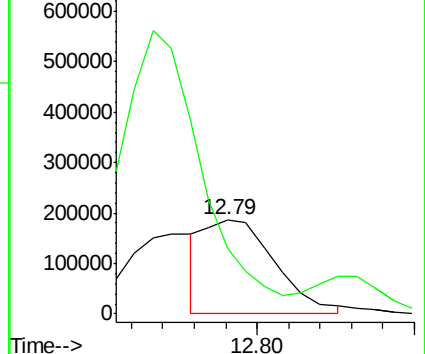
75 100

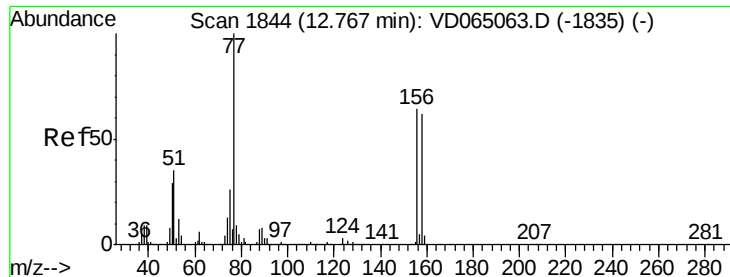
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 96.216 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 607683

Ion Ratio Lower Upper

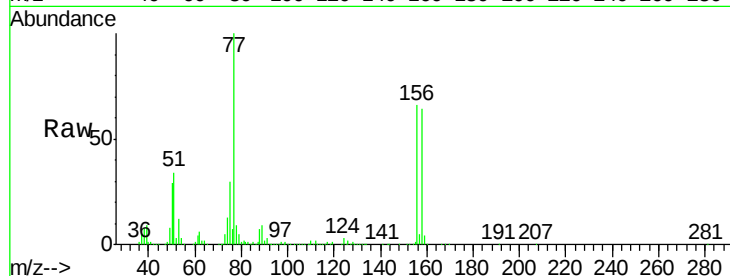
156 100

77 170.0 85.6 256.8

158 97.5 47.4 142.2

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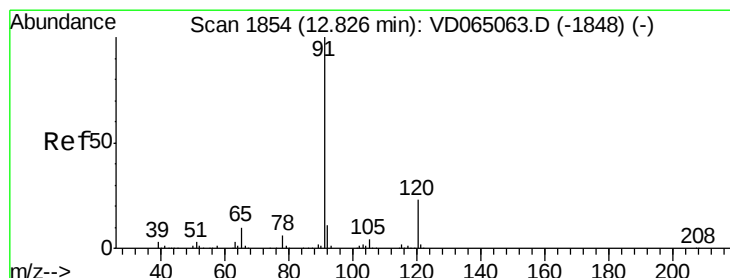
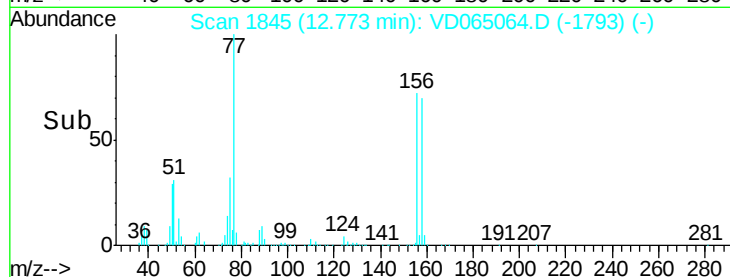
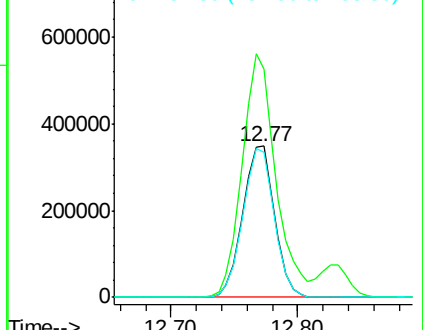
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 100.355 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065064.D

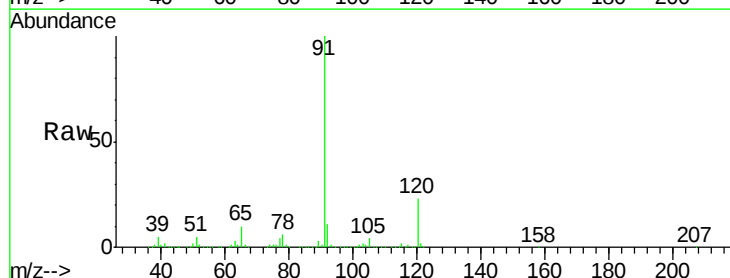
Acq: 05 Feb 2020 15:03

Tgt Ion: 91 Resp: 3086838

Ion Ratio Lower Upper

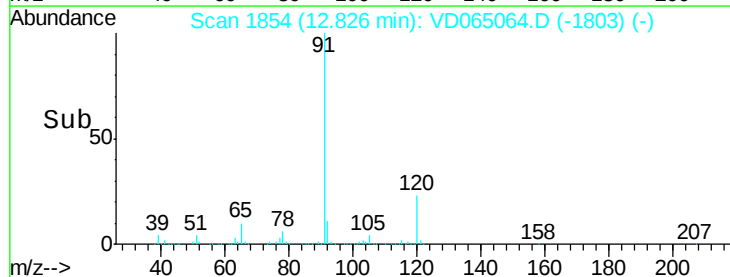
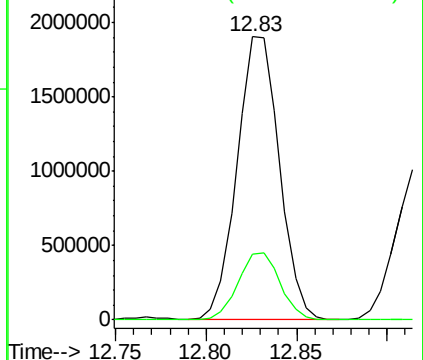
91 100

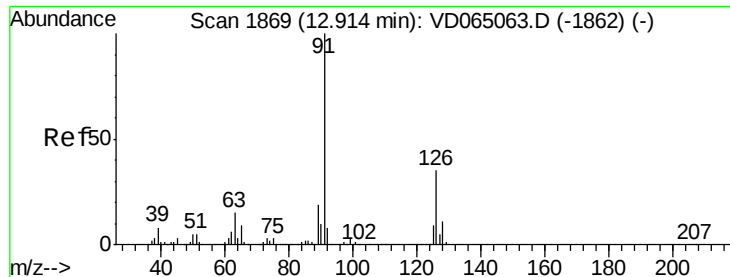
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 99.668 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1684783

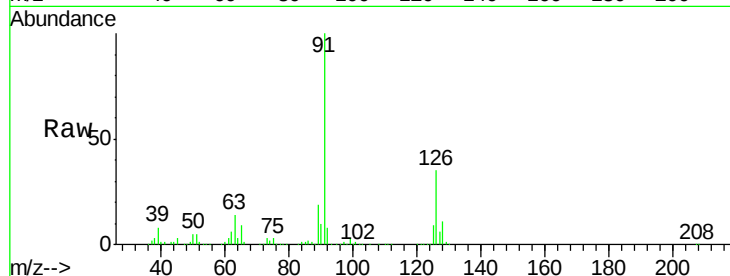
Ion Ratio Lower Upper

91 100

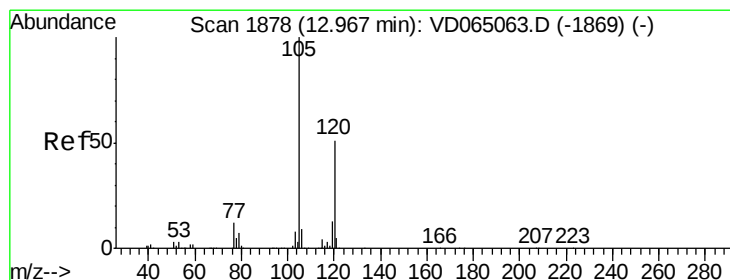
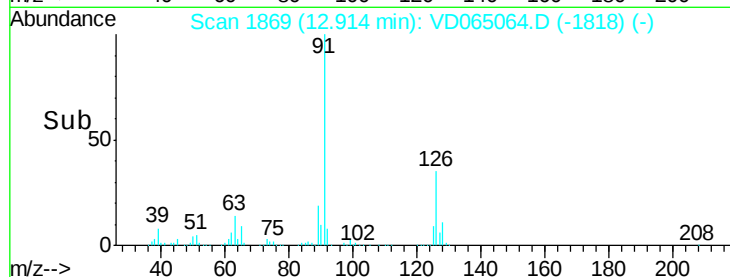
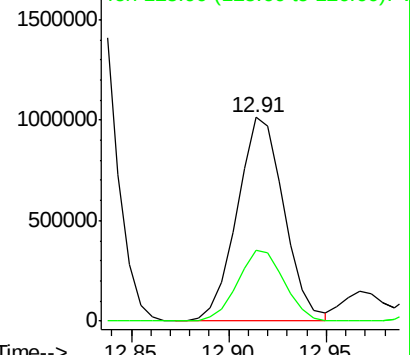
126 34.8 17.4 52.3

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Abundance Ion 91.00 (90.70 to 91.70): VD065063.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 100.445 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065064.D

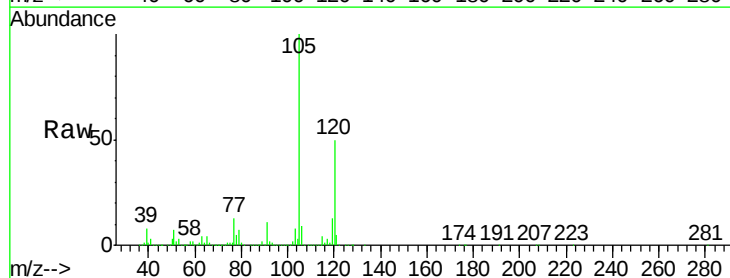
Acq: 05 Feb 2020 15:03

Tgt Ion: 105 Resp: 2130090

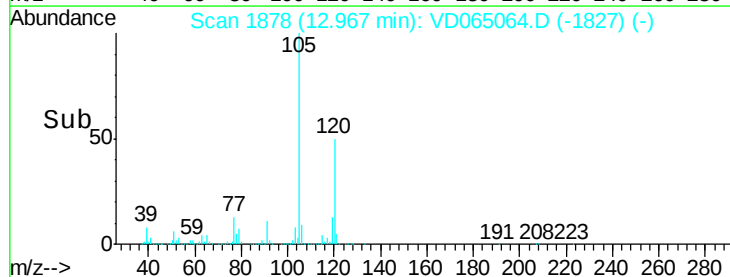
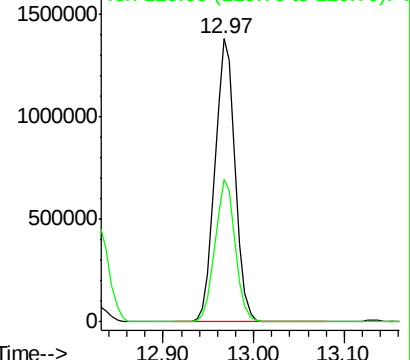
Ion Ratio Lower Upper

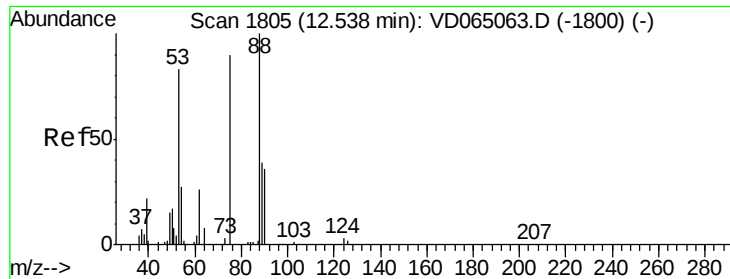
105 100

120 50.1 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VD065063.D (-1869) (-)





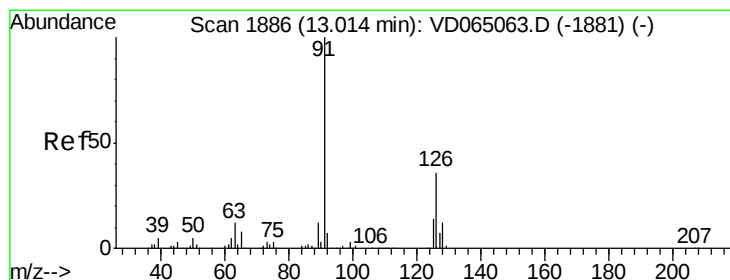
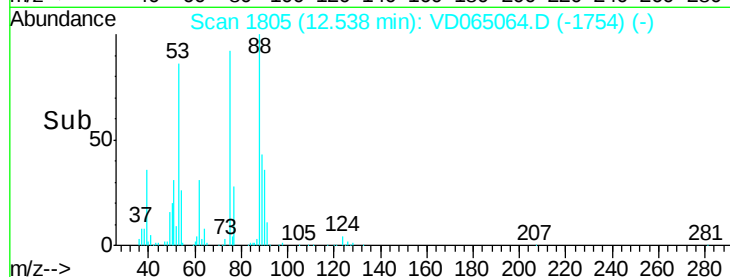
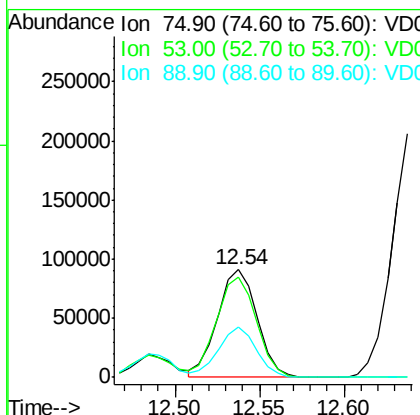
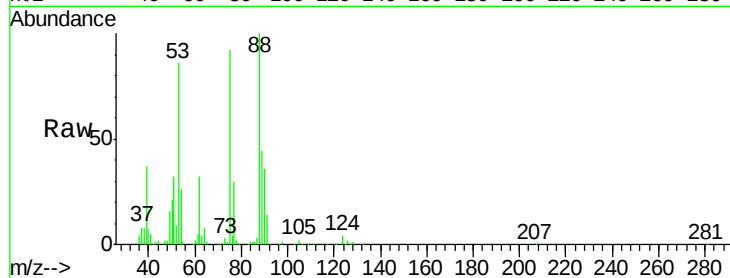
#81
trans-1,4-Dichloro-2-butene
Concen: 101.143 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.0	78.5	117.7
89	45.2	37.0	55.4

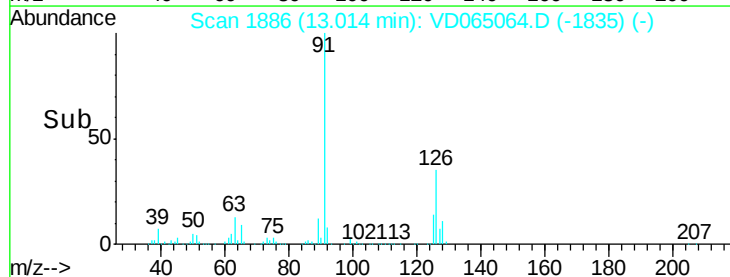
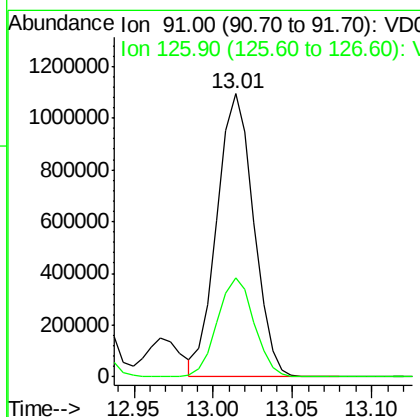
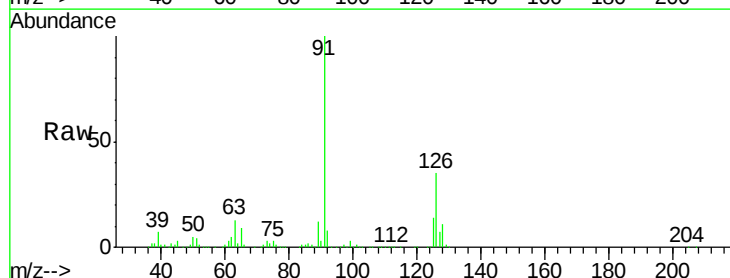
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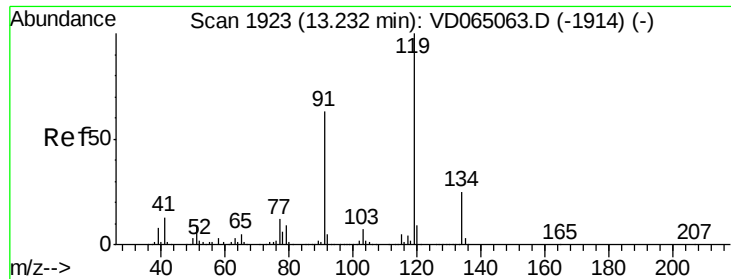
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#82
4-Chlorotoluene
Concen: 98.358 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.5	52.5





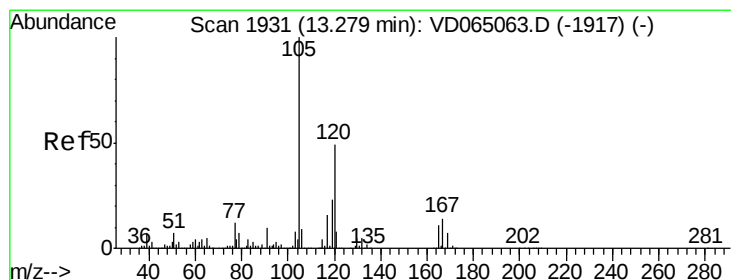
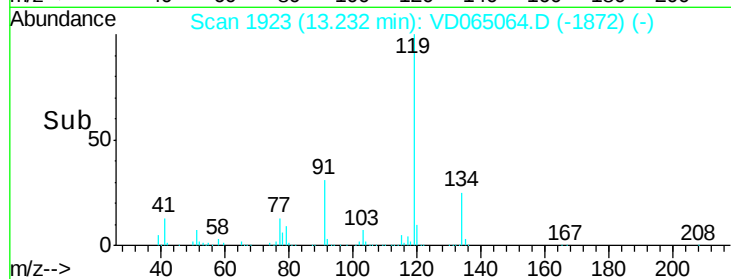
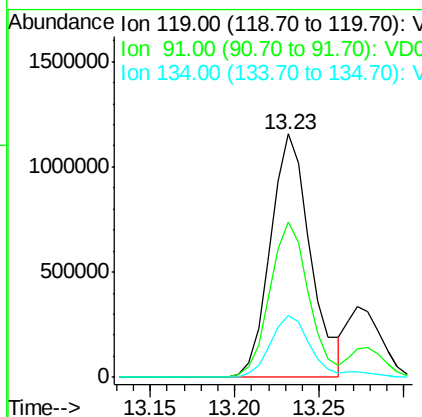
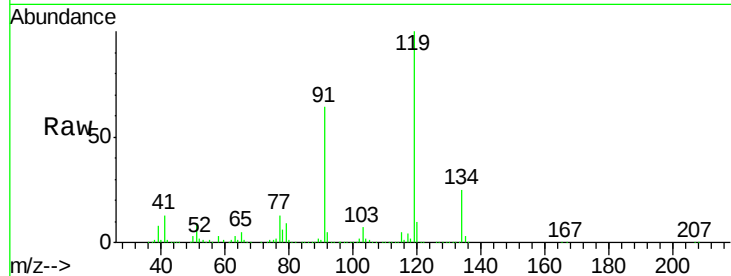
#83
tert-Butylbenzene
Concen: 105.964 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:119 Resp: 1904646
Ion Ratio Lower Upper
119 100
91 62.0 32.3 96.9
134 26.5 13.8 41.3

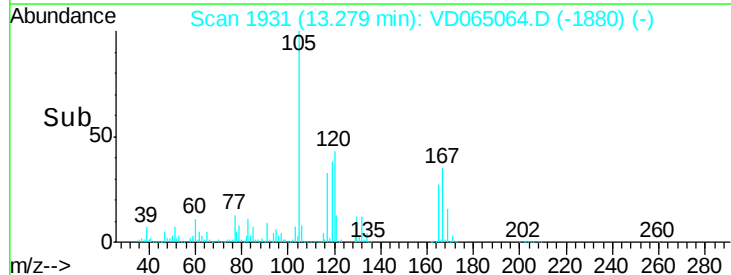
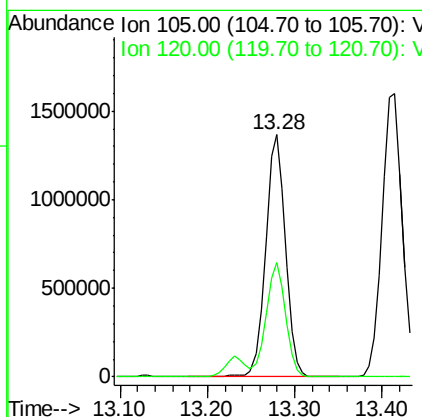
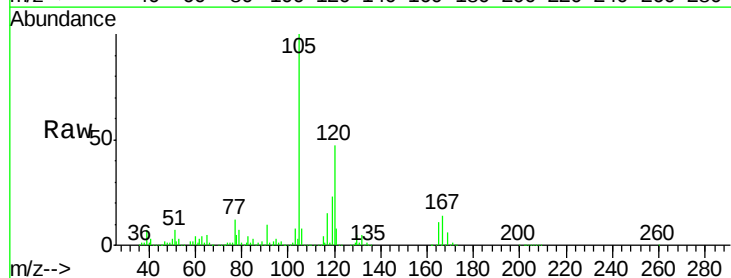
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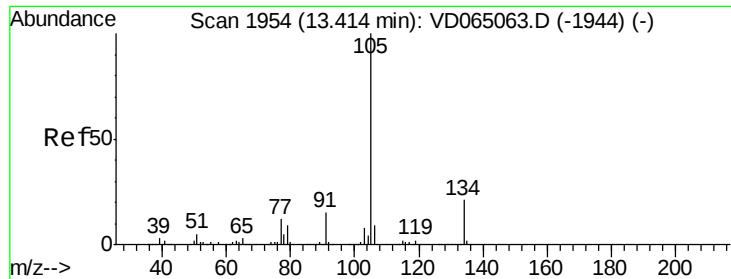
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#84
1,2,4-Trimethylbenzene
Concen: 99.533 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion:105 Resp: 2131755
Ion Ratio Lower Upper
105 100
120 46.3 23.5 70.5





#85

sec-Butylbenzene

Concen: 100.531 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2566334

Ion Ratio Lower Upper

105 100

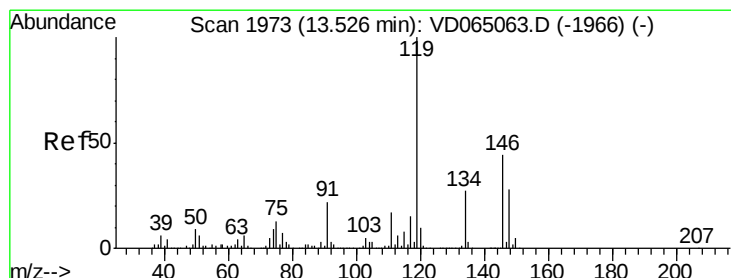
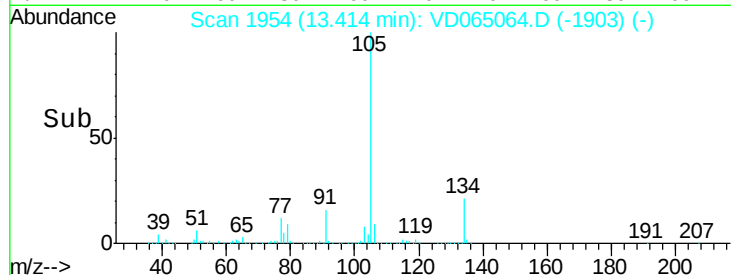
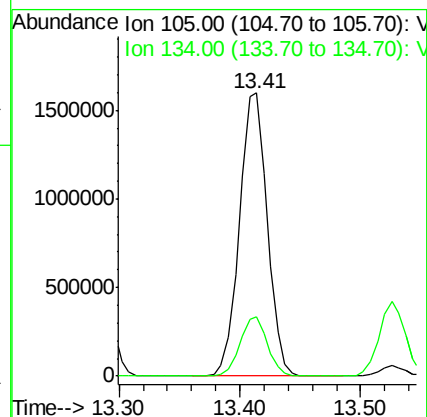
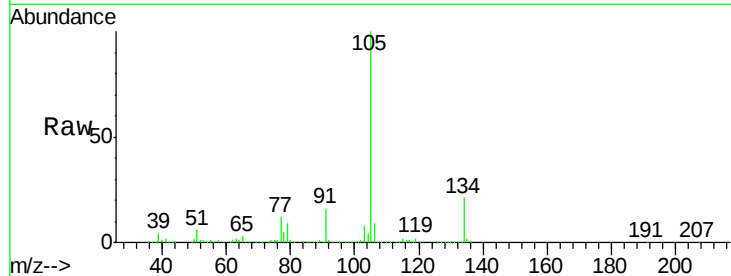
134 20.7 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 100.904 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

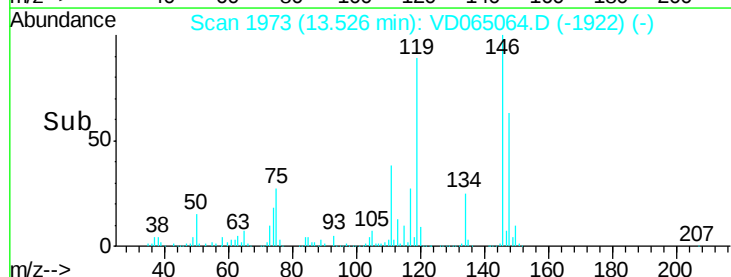
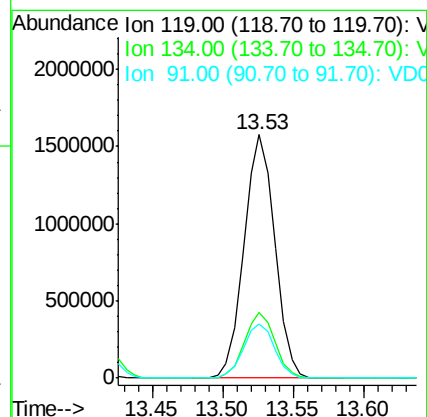
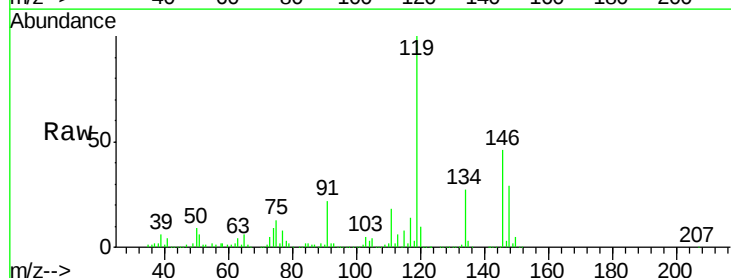
Tgt Ion:119 Resp: 2399243

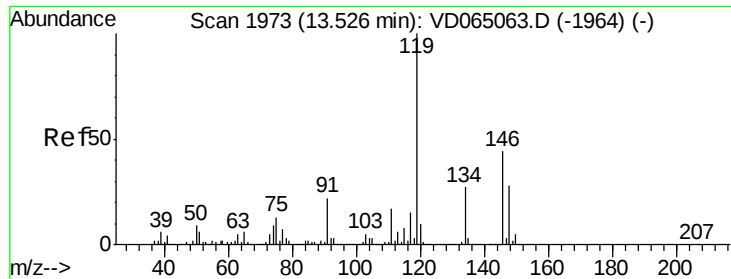
Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.5

91 22.4 11.3 33.9





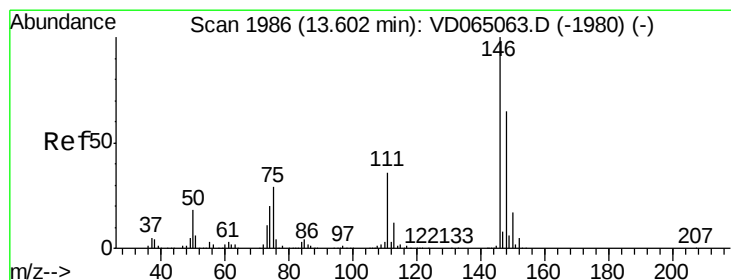
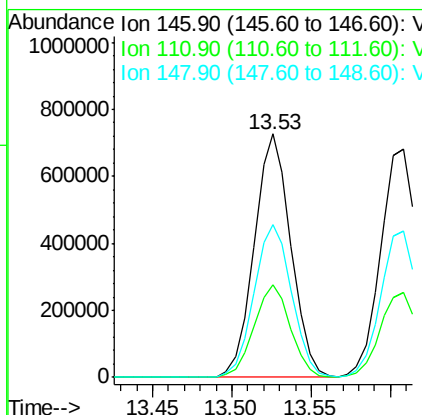
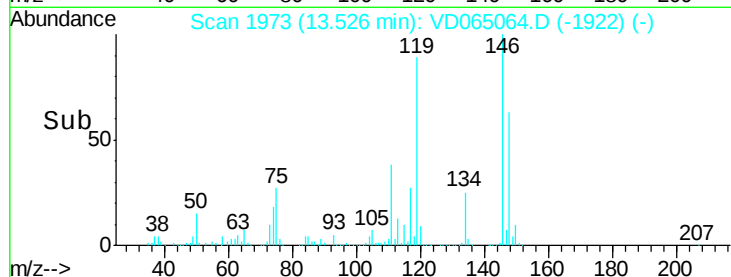
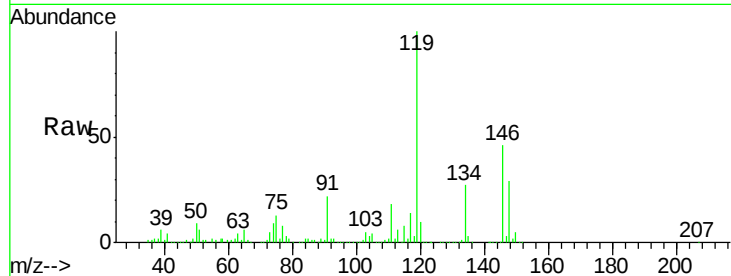
#87
 1,3-Dichlorobenzene
 Concen: 96.471 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC100

Tot Ion:146 Resp: 1166340
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.4 58.4
 148 64.4 32.3 96.8

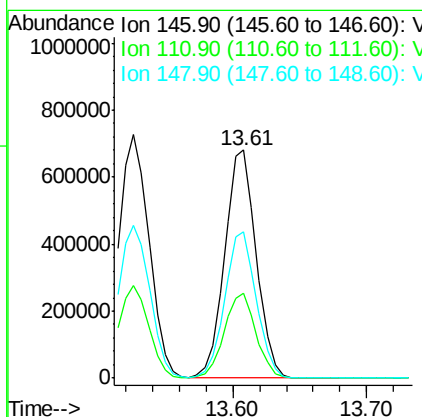
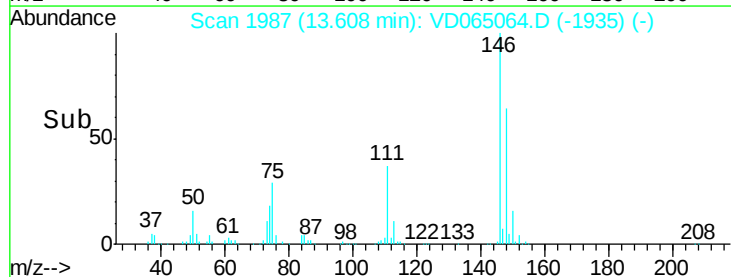
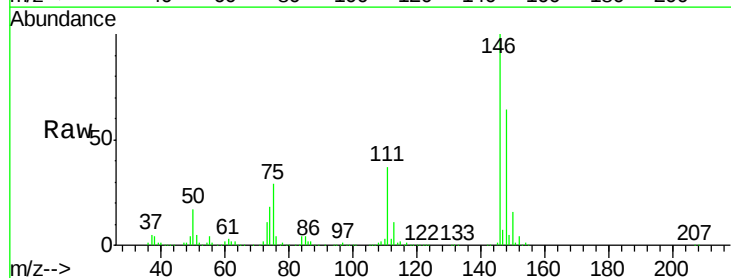
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#88
 1,4-Dichlorobenzene
 Concen: 93.474 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Tgt Ion:146 Resp: 1121455
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.5 55.5
 148 64.1 32.7 98.1





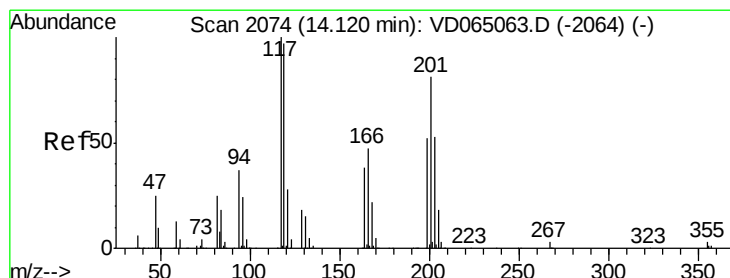
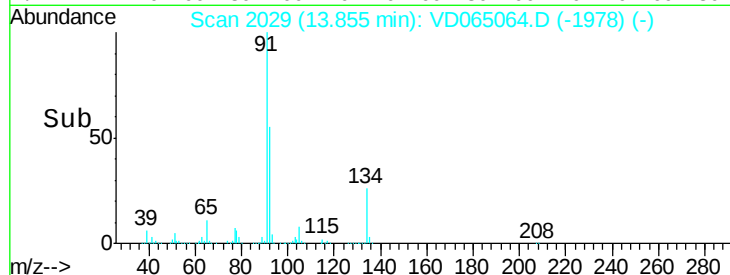
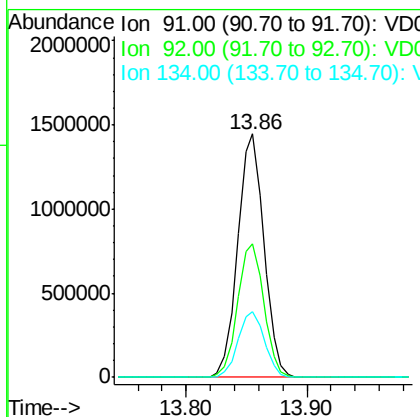
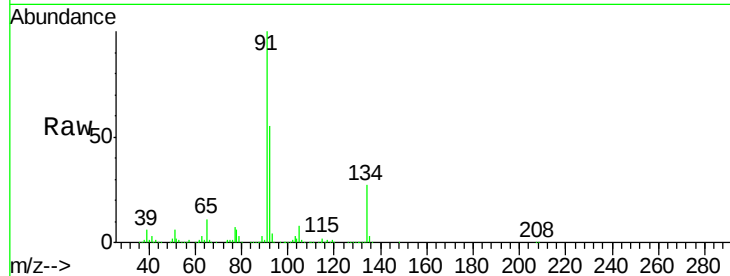
#89
n-Butylbenzene
Concen: 100.743 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.2	26.7	80.1
134	27.3	13.4	40.2

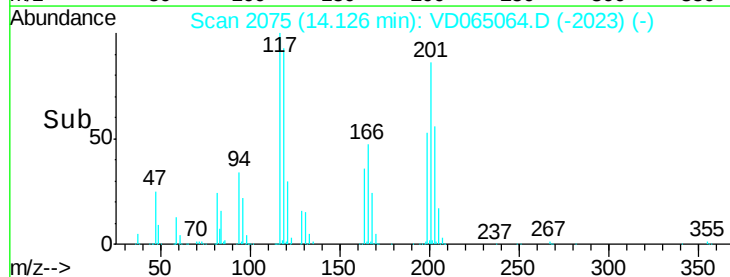
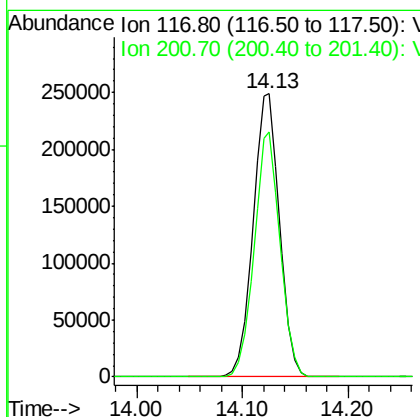
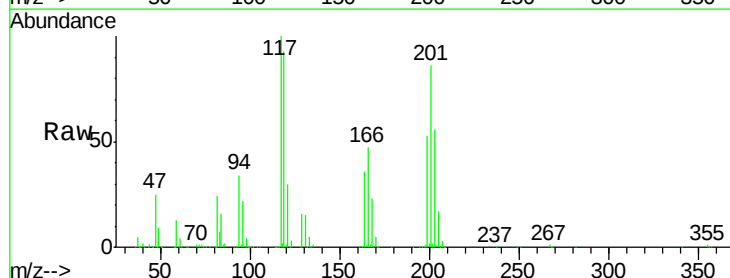
Manual Integrations
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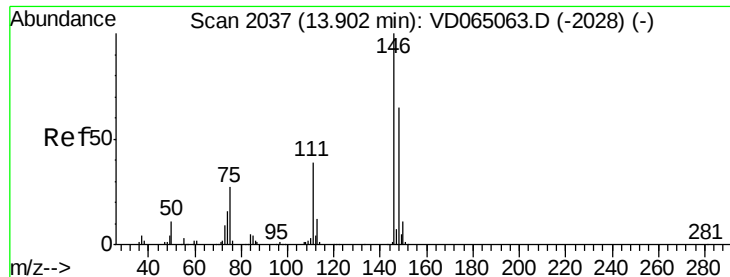
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#90
Hexachloroethane
Concen: 94.903 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	42.5	127.6





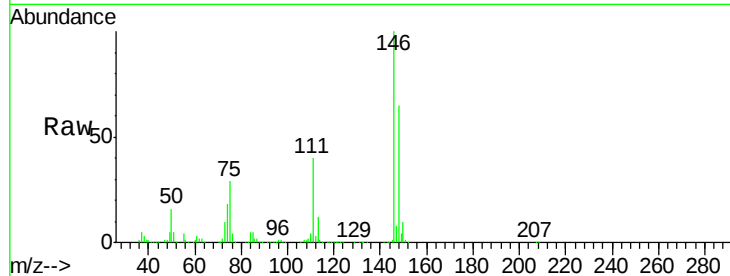
#91
 1,2-Dichlorobenzene
 Concen: 94.774 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

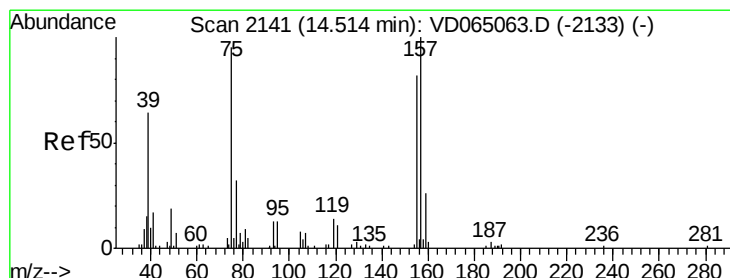
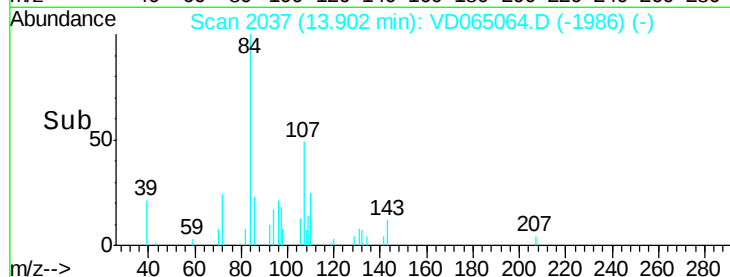
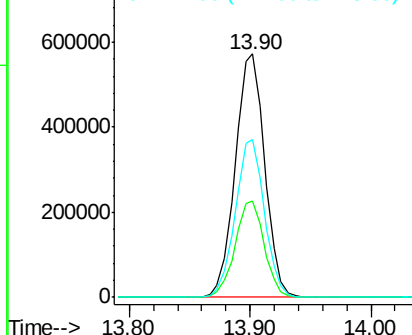
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.1
148	64.1	31.9	95.5

Manual Integrations
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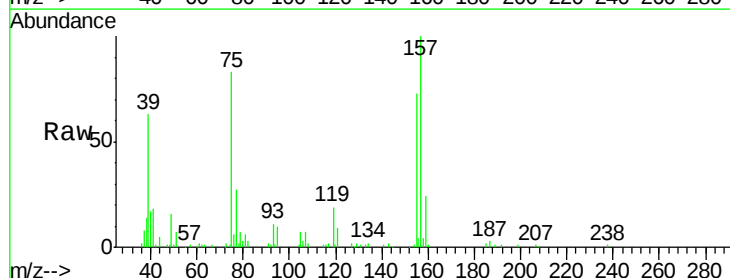


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

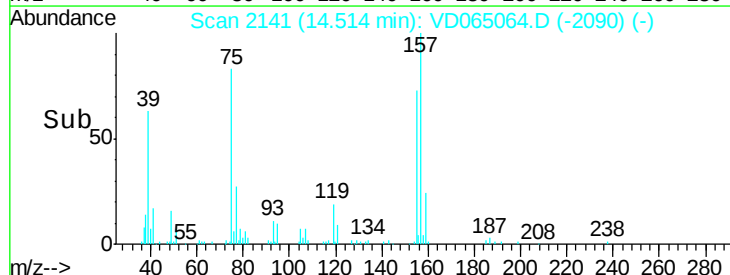
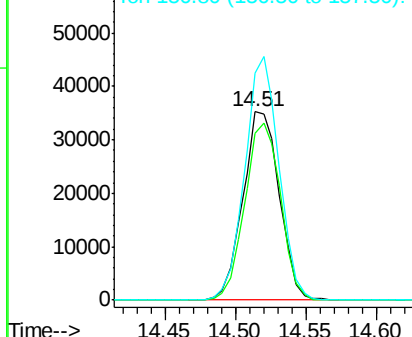


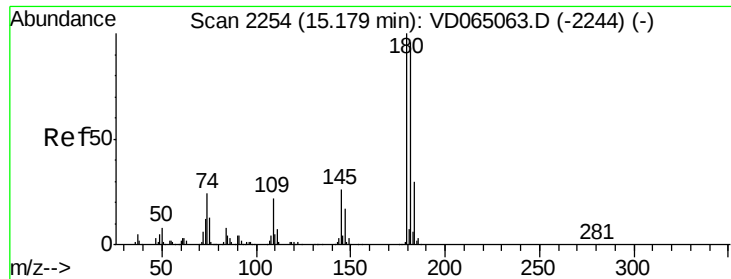
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 92.150 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	43.4	130.1
157	120.5	55.8	167.3



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





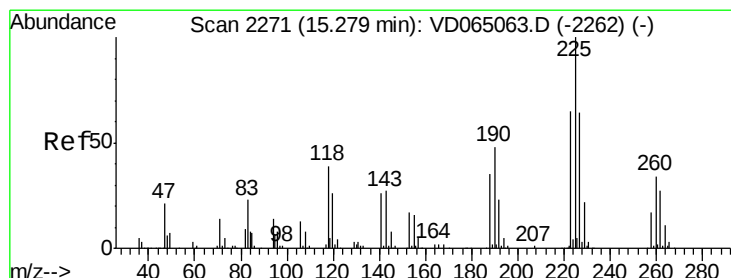
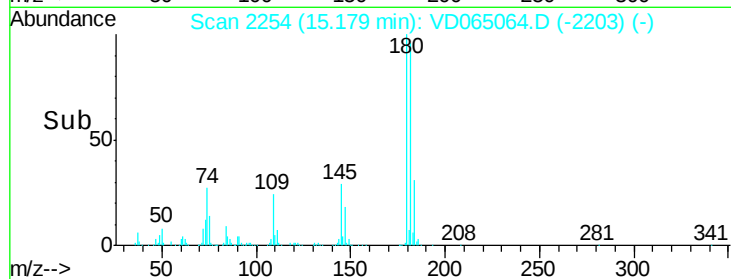
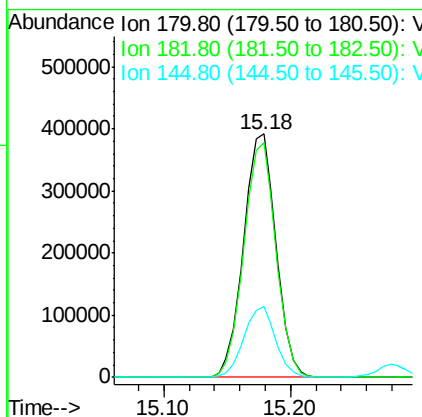
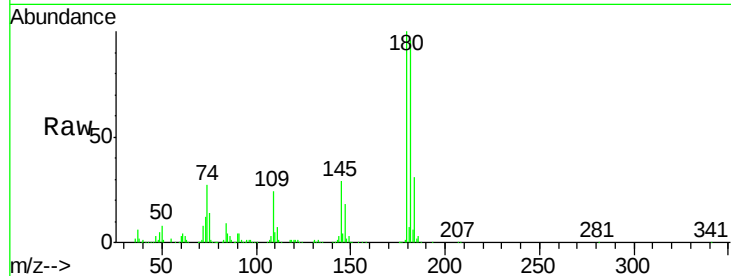
#93
1,2,4-Trichlorobenzene
Concen: 97.211 ug/l
RT: 15.18 min Scan# 2254
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	694376		
182	95.6		47.4	142.3
145	28.4		14.1	42.4

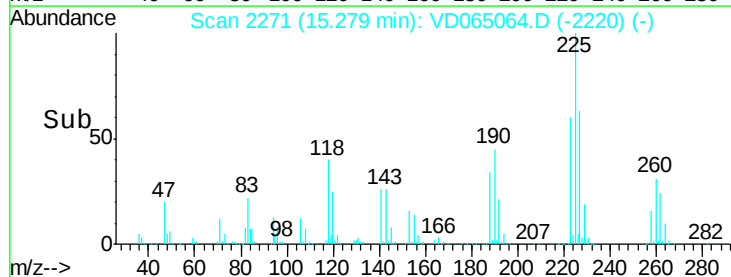
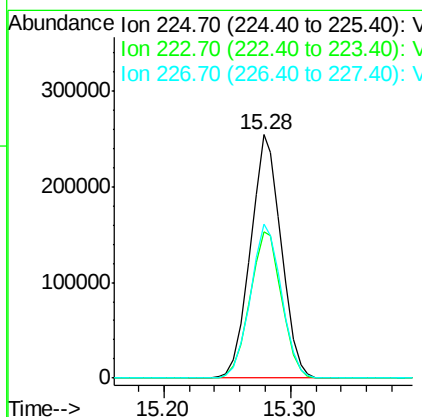
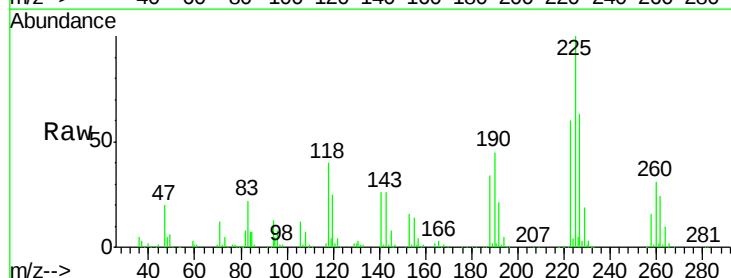
Manual Integrations
APPROVED

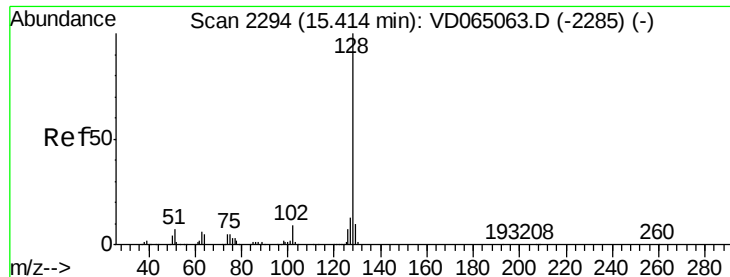
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#94
Hexachlorobutadiene
Concen: 94.746 ug/l
RT: 15.28 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	428091		
223	61.9		31.4	94.0
227	63.9		31.8	95.3





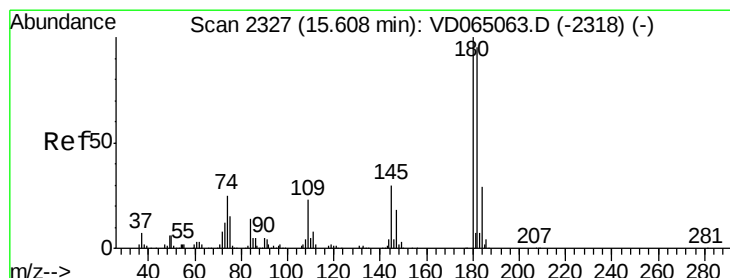
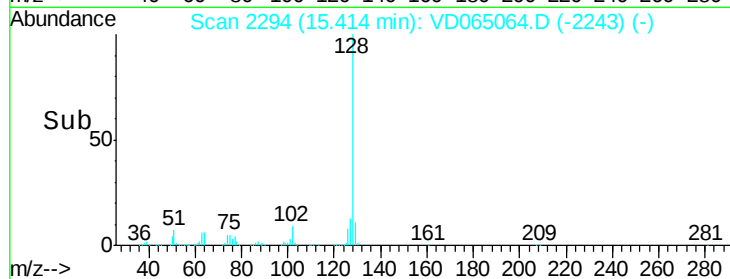
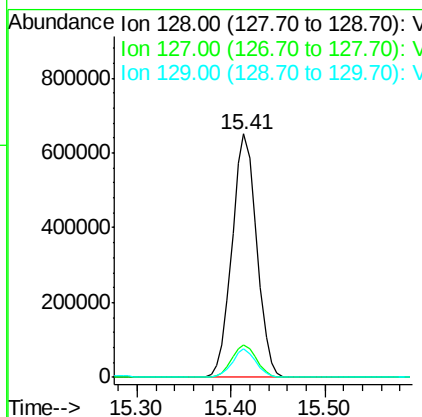
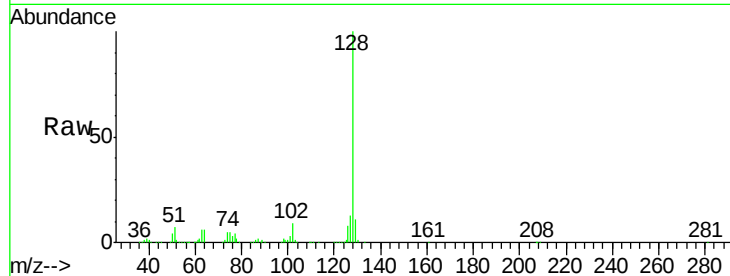
#95
Naphthalene
Concen: 103.049 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 96.201 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.1	141.4
145	30.1	14.9	44.9

