

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030719\
 Data File : VD060974.D
 Acq On : 7 Mar 2019 18:21
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030719

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 9:46:30 PM

Quant Time: Mar 08 02:52:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	833111	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	1391989	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1130172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	470105	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	323062	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
35) Dibromofluoromethane	6.91	113	495628	47.98	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.96%	
50) Toluene-d8	10.40	98	1257351	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
62) 4-Bromofluorobenzene	13.55	95	480955	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	372250	45.108	ug/l	99
3) Chloromethane	1.76	50	317380	46.167	ug/l	98
4) Vinyl Chloride	1.85	62	270890	42.644	ug/l	96
5) Bromomethane	2.16	94	55628	49.201	ug/l	94
6) Chloroethane	2.28	64	89618	47.133	ug/l	92
7) Trichlorofluoromethane	2.53	101	399006	43.725	ug/l	97
8) Diethyl Ether	2.88	74	152720	50.731	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.15	101	469095	45.979	ug/l	98
10) Methyl Iodide	3.31	142	632062	45.281	ug/l	99
11) Tert butyl alcohol	4.06	59	110127m	249.452	ug/l	
12) 1,1-Dichloroethene	3.13	96	394709	47.199	ug/l	91
13) Acrolein	3.04	56	158887	248.737	ug/l	98
14) Allyl chloride	3.63	41	640167	47.844	ug/l	98
15) Acrylonitrile	4.19	53	386177	247.499	ug/l	97
16) Acetone	3.22	43	436544	220.139	ug/l	98
17) Carbon Disulfide	3.38	76	1313801	46.572	ug/l	99
18) Methyl Acetate	3.64	43	195942	50.208	ug/l	94
19) Methyl tert-butyl Ether	4.24	73	724731	49.450	ug/l	99
20) Methylene Chloride	3.81	84	433763	47.764	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	434793	48.035	ug/l	95
22) Diisopropyl ether	5.11	45	1265253	45.552	ug/l	98
23) Vinyl Acetate	5.05	43	3381728	237.168	ug/l	99
24) 1,1-Dichloroethane	4.98	63	706489	46.423	ug/l	100
25) 2-Butanone	6.06	43	539908	239.938	ug/l	99
26) 2,2-Dichloropropane	6.02	77	518717	43.661	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	458947	47.789	ug/l	98
28) Bromochloromethane	6.43	49	341051	52.936	ug/l	95
29) Tetrahydrofuran	6.44	42	300728	246.124	ug/l	99
30) Chloroform	6.66	83	682813	43.290	ug/l	99
31) Cyclohexane	6.94	56	573935	46.771	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	591016	43.341	ug/l	99
36) 1,1-Dichloropropene	7.14	75	538119	44.848	ug/l	99
37) Ethyl Acetate	6.18	43	252079	44.770	ug/l	97
38) Carbon Tetrachloride	7.10	117	561862m	42.511	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	544620	43.774	ug/l	96
40) Benzene	7.45	78	1439504	48.012	ug/l	99
41) Methacrylonitrile	6.43	41	314759	48.601	ug/l	95
42) 1,2-Dichloroethane	7.57	62	396366	45.556	ug/l	99
43) Isopropyl Acetate	9.23	43	372873	47.813	ug/l #	99
44) Trichloroethene	8.53	130	511997	49.499	ug/l	99
45) 1,2-Dichloropropane	8.93	63	362851	46.065	ug/l	100
46) Dibromomethane	9.05	93	237321	47.497	ug/l	95
47) Bromodichloromethane	9.37	83	518970	46.028	ug/l	98
48) Methyl methacrylate	9.11	41	222007	50.561	ug/l	97
49) 1,4-Dioxane	9.07	88	50028	1126.765	ug/l	98
51) 4-Methyl-2-Pentanone	10.29	43	1111835	232.718	ug/l	97
52) Toluene	10.50	92	866712	46.488	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	501888	48.680	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	573148	46.268	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	290230	46.745	ug/l	96
56) Ethyl methacrylate	11.03	69	314448	48.385	ug/l	98
57) 1,3-Dichloropropane	11.39	76	411364	44.336	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	827851	240.656	ug/l	99
59) 2-Hexanone	11.52	43	861157	246.411	ug/l	97
60) Dibromochloromethane	11.68	129	418462	45.796	ug/l	97
61) 1,2-Dibromoethane	11.80	107	336513	46.592	ug/l	99
64) Tetrachloroethene	11.25	164	373898	49.009	ug/l	98
65) Chlorobenzene	12.39	112	1072616	48.412	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	377633	47.816	ug/l	99
67) Ethyl Benzene	12.52	91	1557137	47.207	ug/l	100
68) m/p-Xylenes	12.66	106	1126367	87.002	ug/l	98
69) o-Xylene	13.05	106	614980	48.325	ug/l	96
70) Styrene	13.07	104	982296	47.271	ug/l	98
71) Bromoform	13.22	173	237457	46.608	ug/l #	99
73) Isopropylbenzene	13.40	105	1582824	46.719	ug/l	100
74) N-amyl acetate	13.25	43	458264	48.038	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	335919	50.819	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	329659	48.742	ug/l	99
77) Bromobenzene	13.67	156	434095	50.193	ug/l	97
78) n-propylbenzene	13.77	91	1868069	47.099	ug/l	98
79) 2-Chlorotoluene	13.83	91	1022759	46.838	ug/l	98
80) 1,3,5-Trimethylbenzene	14.23	105	1156653	44.971	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	107136	53.730	ug/l	93
82) 4-Chlorotoluene	13.94	91	1121645	43.451	ug/l	97
83) tert-Butylbenzene	14.18	119	1381780m	49.090	ug/l	
84) 1,2,4-Trimethylbenzene	14.23	105	1156653	44.971	ug/l	98
85) sec-Butylbenzene	14.37	105	1715086	49.911	ug/l	97
86) p-Isopropyltoluene	14.48	119	1342597	47.799	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	754701	48.870	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	744082	49.031	ug/l	98
89) n-Butylbenzene	14.79	91	1220537	45.249	ug/l	99
90) Hexachloroethane	15.00	117	390599	49.248	ug/l	72
91) 1,2-Dichlorobenzene	14.80	146	634581	49.291	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	41560	52.175	ug/l	66

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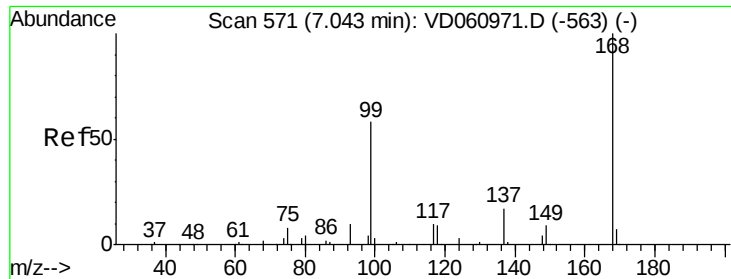
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	314769	52.704	ug/l	99
94) Hexachlorobutadiene	16.03	225	235286	52.084	ug/l	97
95) Naphthalene	16.12	128	512362	56.454	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	167881	56.913	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030719

Tot Ion:168 Resp: 833111

Ion Ratio Lower Upper

168 100

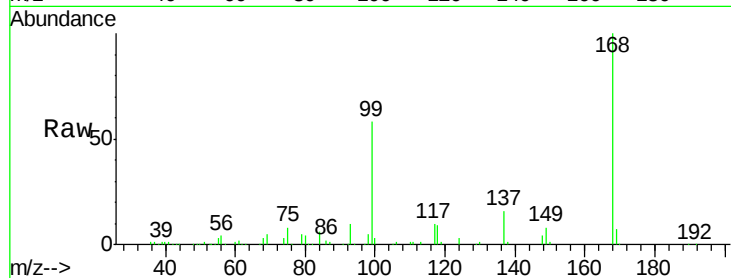
99 58.1 47.3 70.9

Manual Integrations

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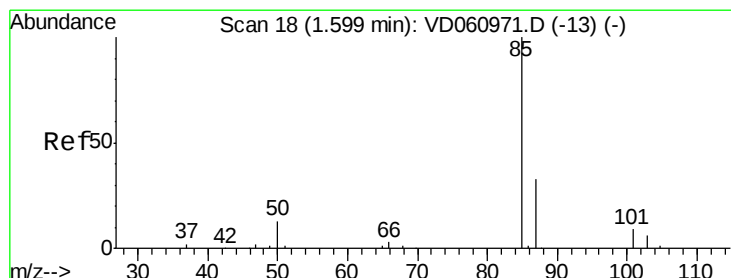
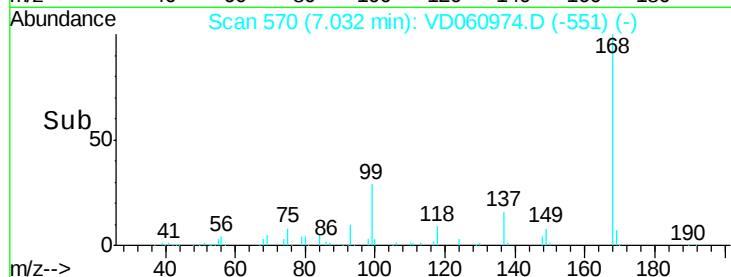
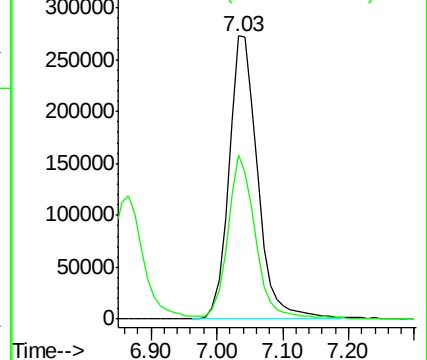
MMDadoda

3/8/2019 9:46:30 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 45.108 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD060974.D

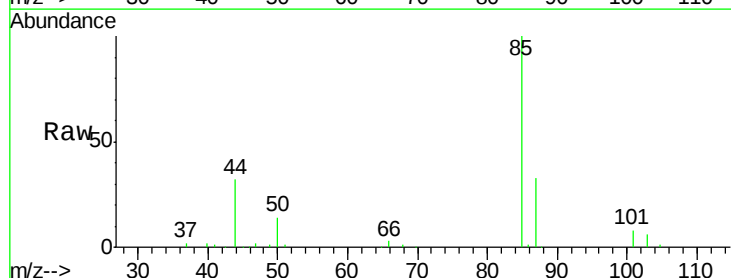
Acq: 7 Mar 2019 18:21

Tgt Ion: 85 Resp: 372250

Ion Ratio Lower Upper

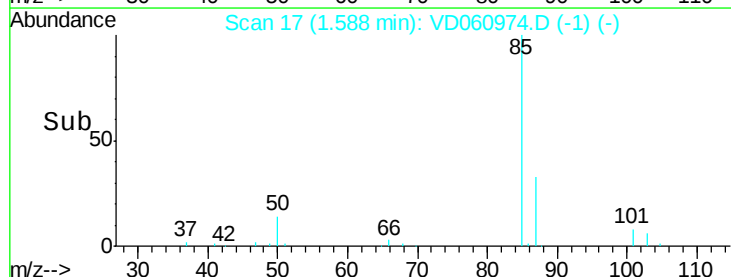
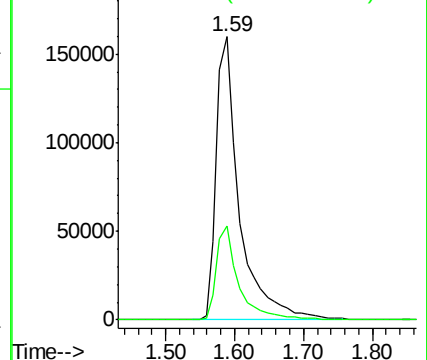
85 100

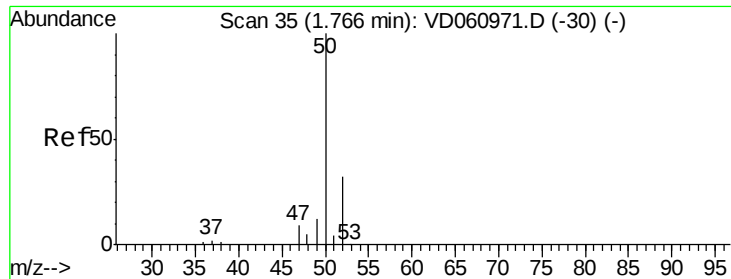
87 33.3 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.167 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030719

Tot Ion: 50 Resp: 317380

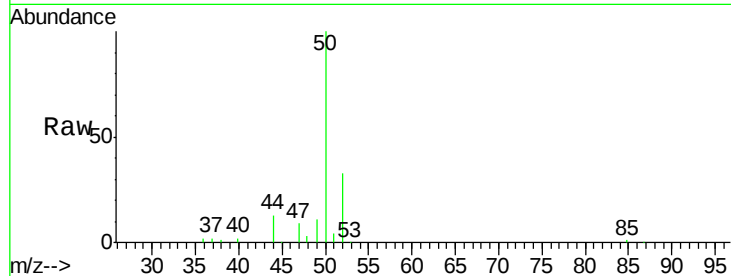
Ion Ratio Lower Upper

50 100

52 33.4 25.8 38.8

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

100000

80000

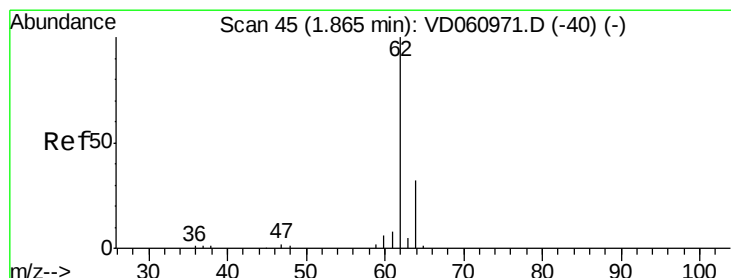
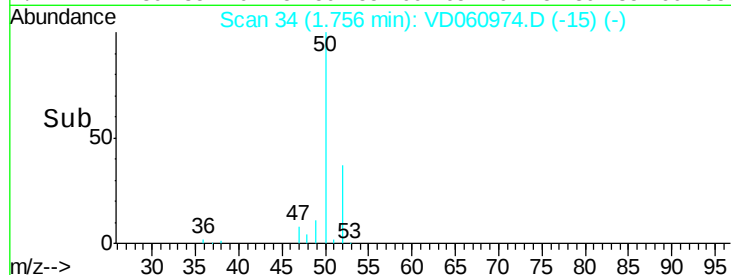
60000

40000

20000

0

Time--> 1.60 1.70 1.80 1.90 2.00



#4

Vinyl Chloride

Concen: 42.644 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD060974.D

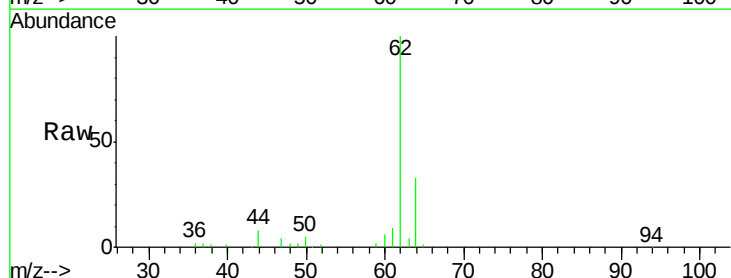
Acq: 7 Mar 2019 18:21

Tgt Ion: 62 Resp: 270890

Ion Ratio Lower Upper

62 100

64 33.5 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.85

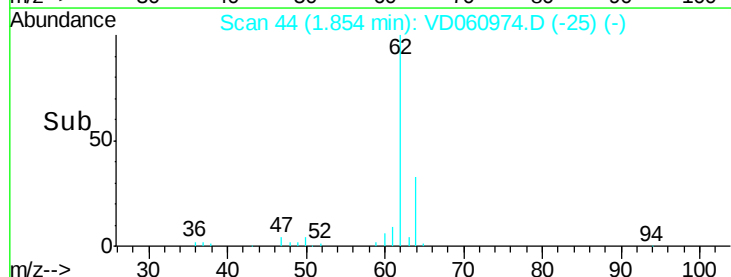
150000

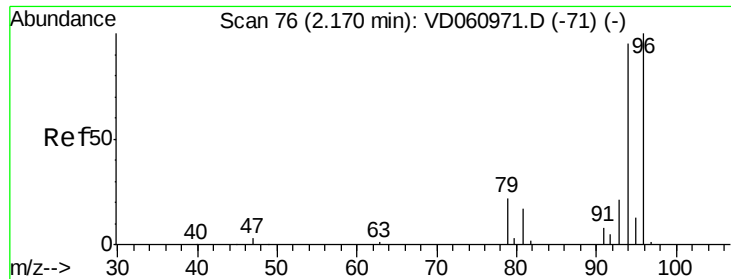
100000

50000

0

Time--> 1.70 1.80 1.90 2.00 2.10





#5

Bromomethane

Concen: 49.201 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030719

Tot Ion: 94 Resp: 55628

Ion Ratio Lower Upper

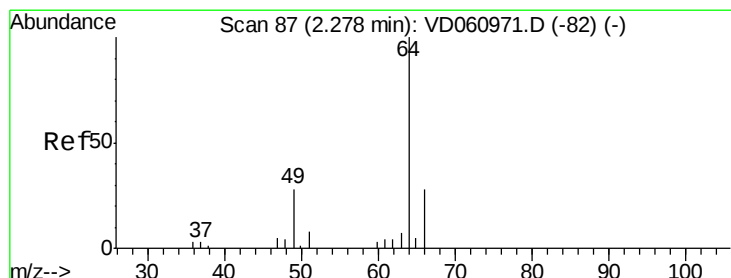
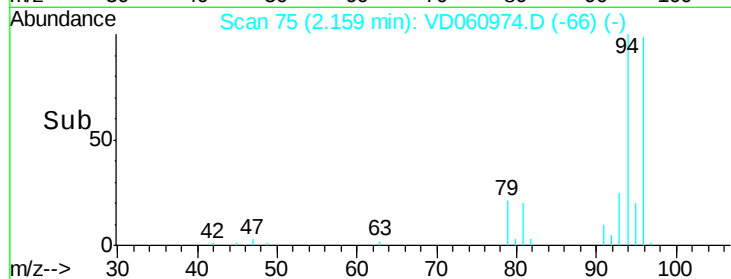
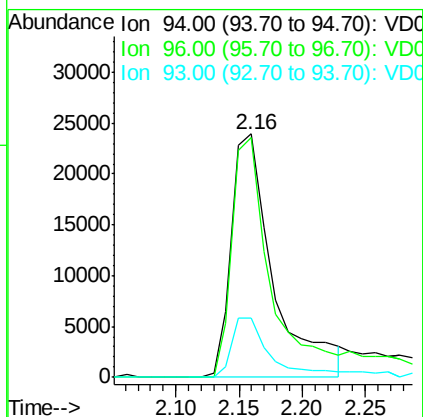
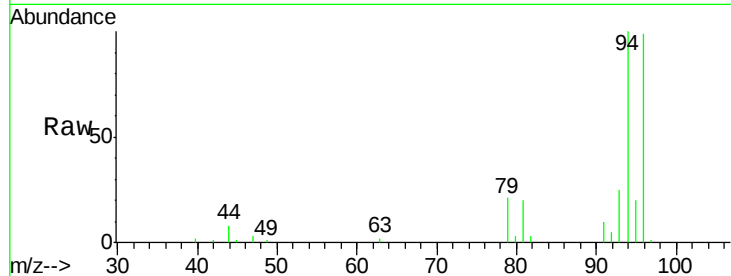
94 100

96 98.6 84.0 126.0

93 24.6 17.3 25.9

Manual Integrations
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#6

Chloroethane

Concen: 47.133 ug/l

RT: 2.28 min Scan# 87

Delta R.T. -0.00 min

Lab File: VD060974.D

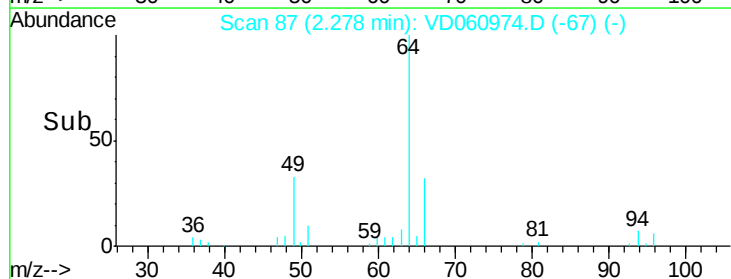
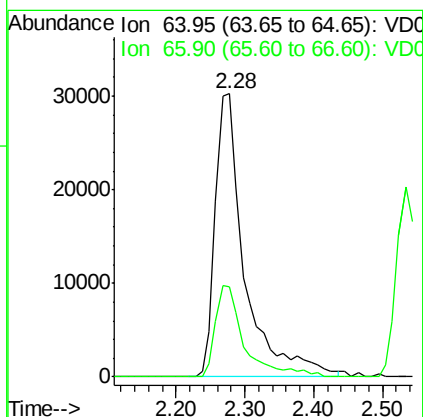
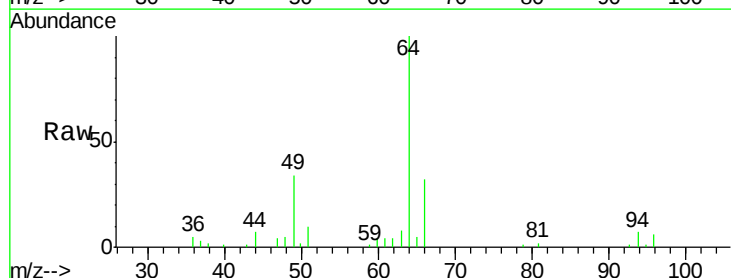
Acq: 7 Mar 2019 18:21

Tgt Ion: 64 Resp: 89618

Ion Ratio Lower Upper

64 100

66 32.0 22.2 33.2





#7

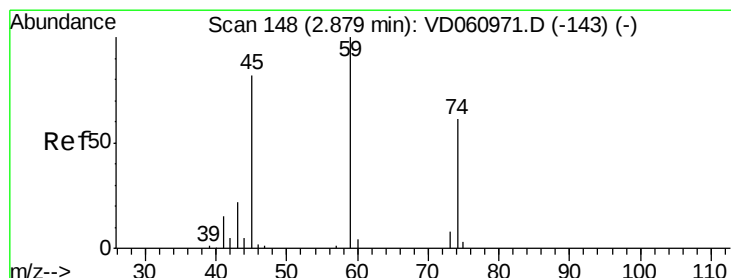
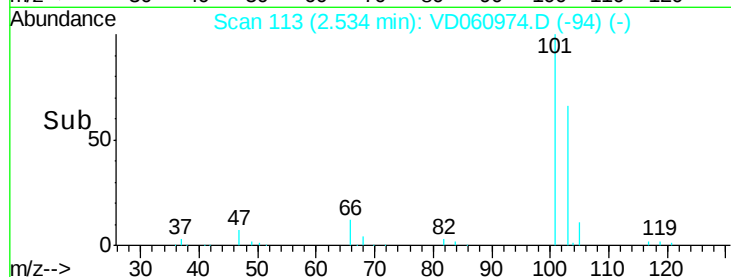
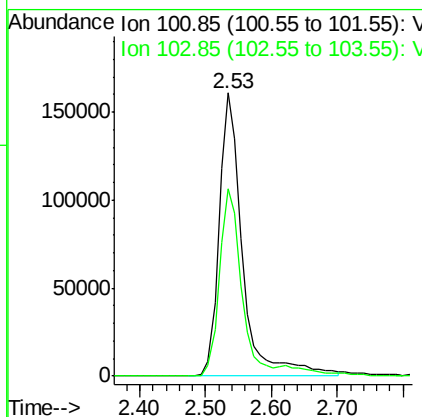
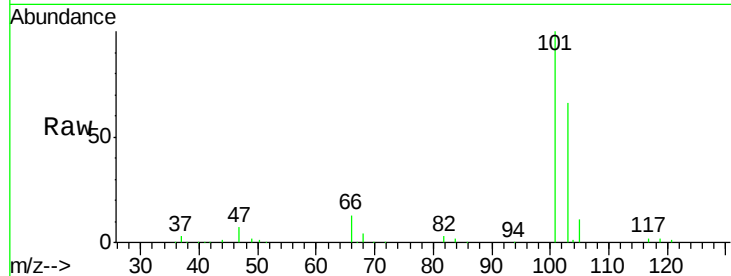
Trichlorofluoromethane
Concen: 43.725 ug/l
RT: 2.53 min Scan# 113
Delta R.T. -0.01 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

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ClientSampleId :
ICVVD030719

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.2	76.8

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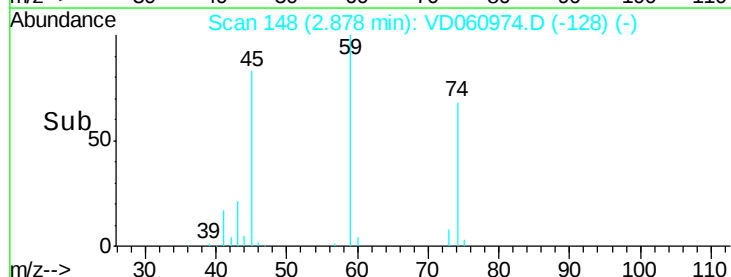
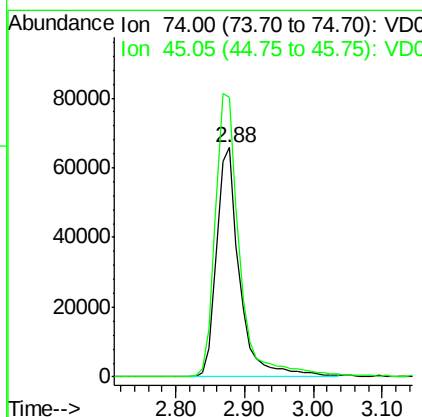
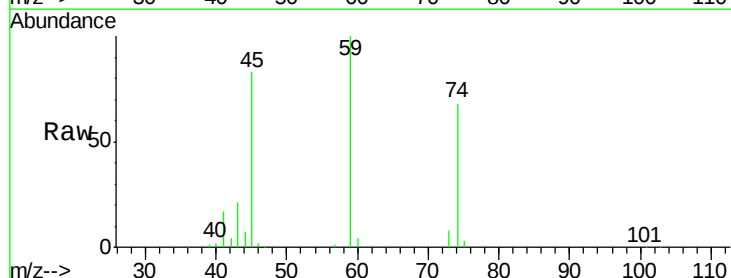
MMDadoda
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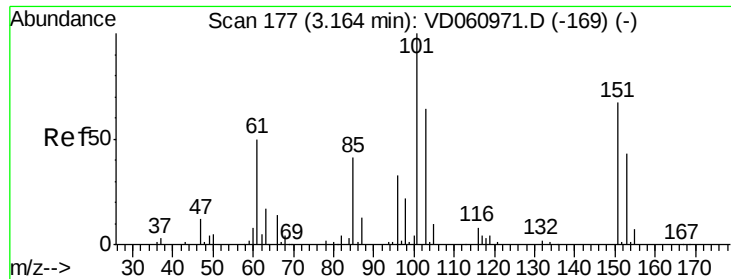


#8

Diethyl Ether
Concen: 50.731 ug/l
RT: 2.88 min Scan# 148
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	122.1	67.0	201.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.979 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

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MSVOA_D

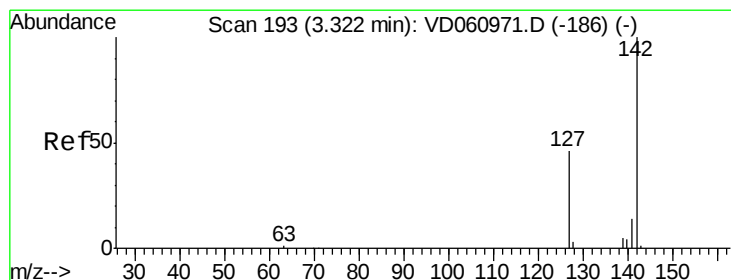
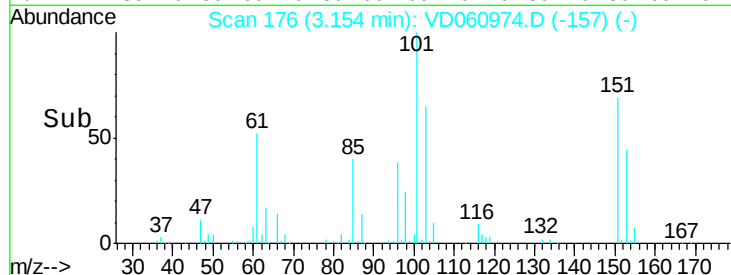
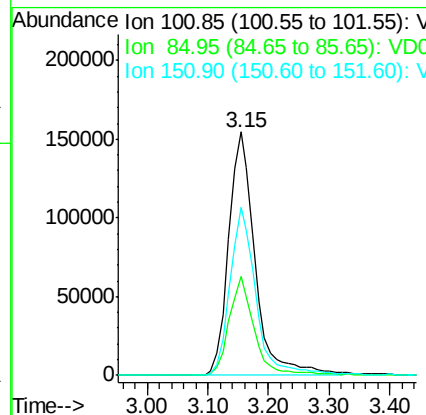
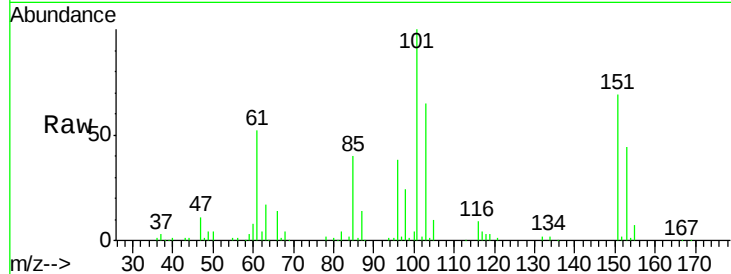
ClientSampleId :

ICVVD030719

Tot Ion:	101	Resp:	469095
Ion Ratio	Lower	Upper	
101	100		
85	40.4	32.5	48.7
151	69.0	53.3	79.9

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#10

Methyl Iodide

Concen: 45.281 ug/l

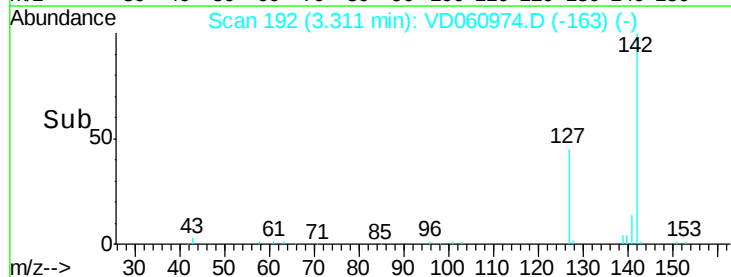
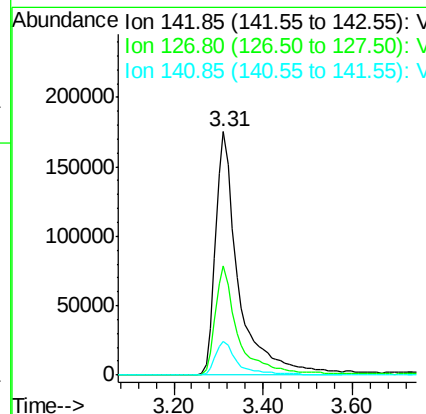
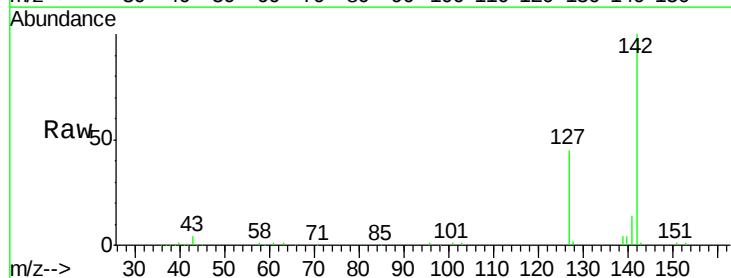
RT: 3.31 min Scan# 192

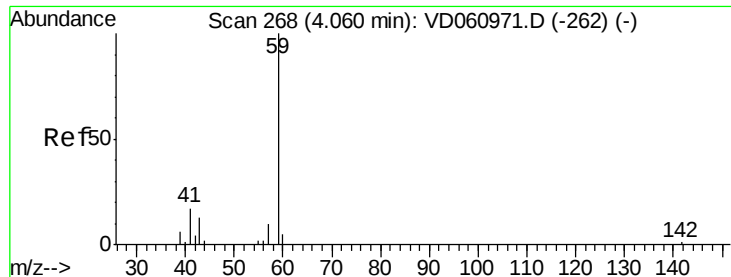
Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Tgt Ion:	142	Resp:	632062
Ion Ratio	Lower	Upper	
142	100		
127	45.1	36.8	55.2
141	13.9	11.2	16.8





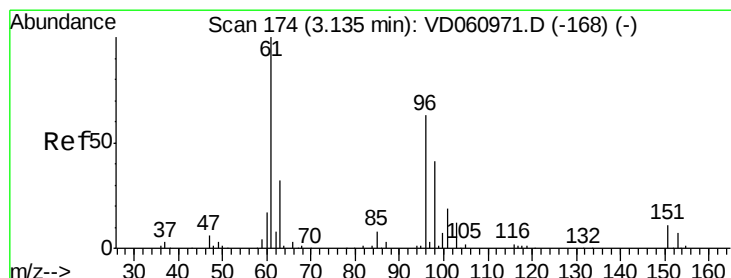
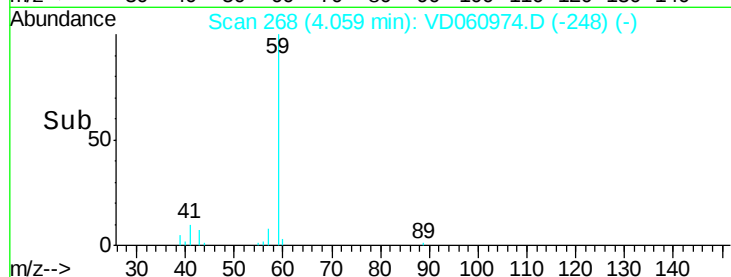
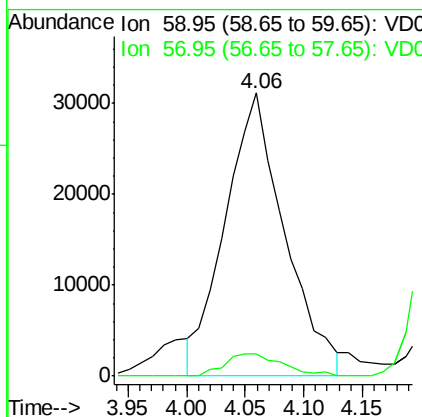
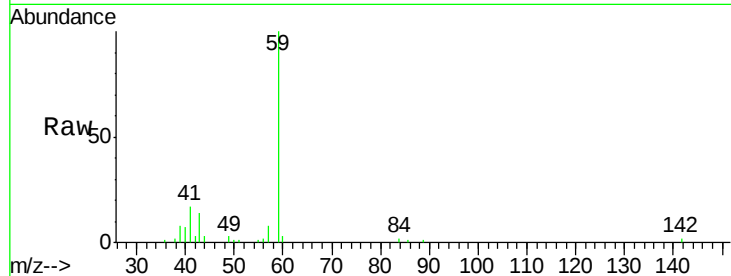
#11
Tert butyl alcohol
Concen: 249.452 ug/l m
RT: 4.06 min Scan# 268
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tot Ion	59	Resp	110127
Ion Ratio	100	Lower	Upper
57	8.1	7.1	10.7

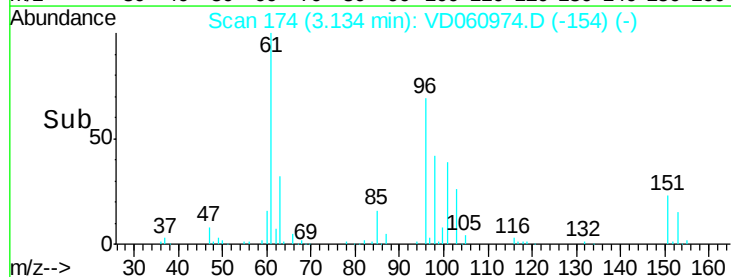
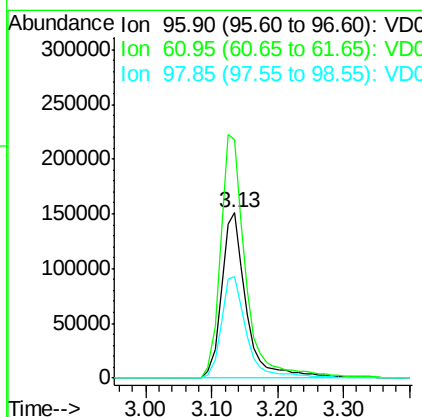
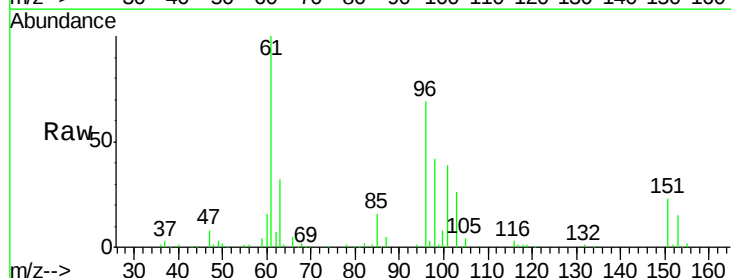
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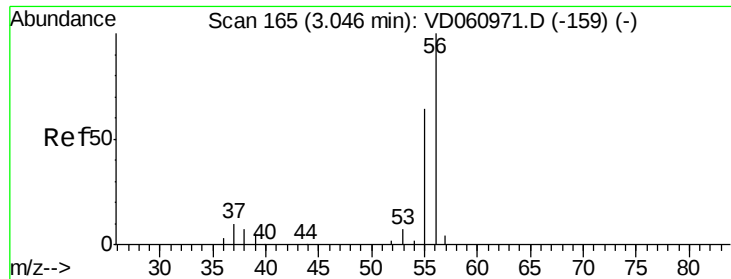
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3/8/2019 9:46:30 PM



#12
1,1-Dichloroethene
Concen: 47.199 ug/l
RT: 3.13 min Scan# 174
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion	96	Resp	394709
Ion Ratio	100	Lower	Upper
61	144.5	127.1	190.7
98	61.3	51.5	77.3





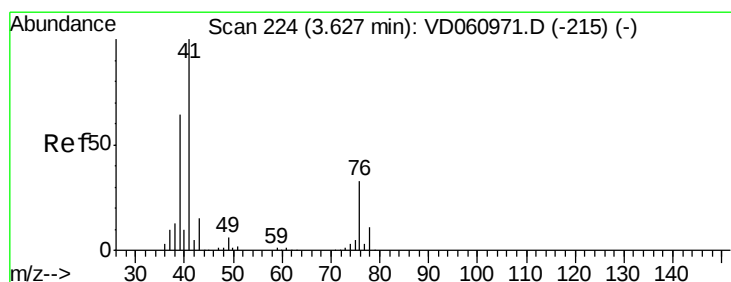
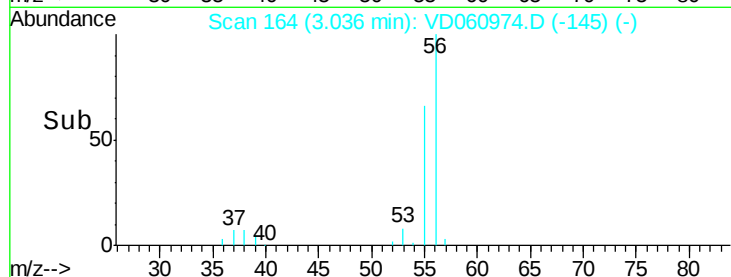
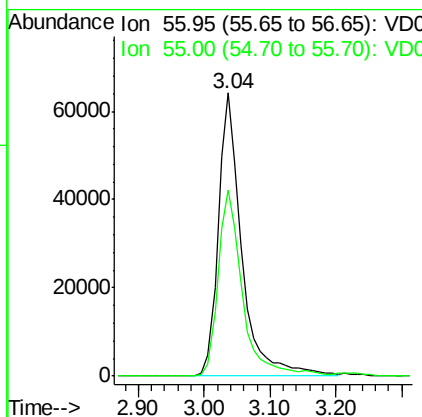
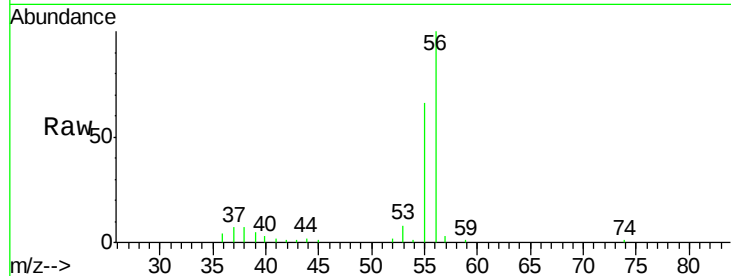
#13
Acrolein
Concen: 248.737 ug/l
RT: 3.04 min Scan# 164
Delta R.T. -0.01 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tot Ion: 56 Resp: 158887
Ion Ratio Lower Upper
56 100
55 65.7 51.3 76.9

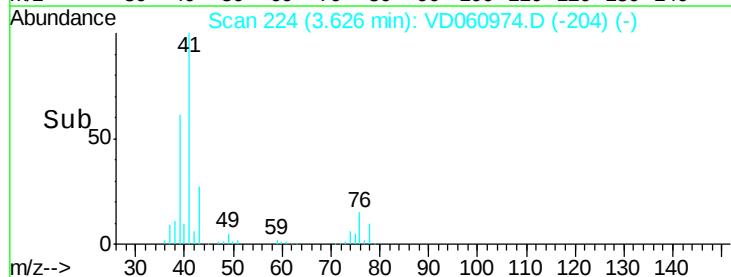
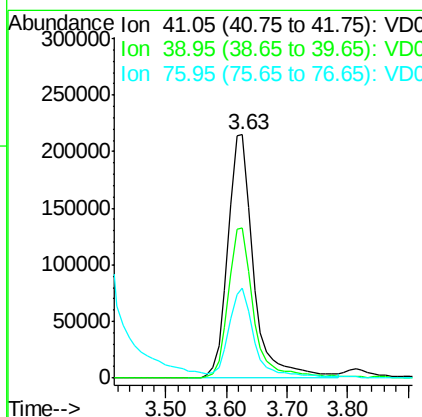
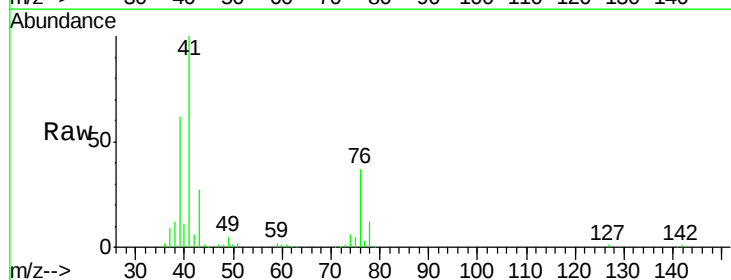
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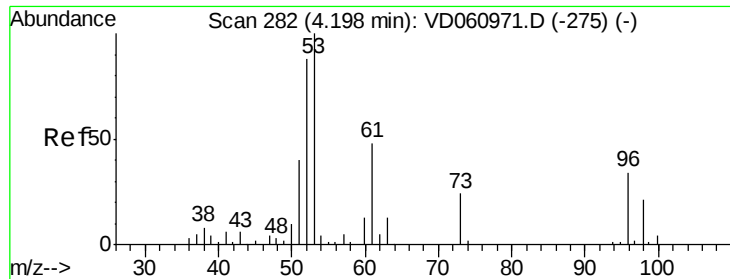
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#14
Allyl chloride
Concen: 47.844 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion: 41 Resp: 640167
Ion Ratio Lower Upper
41 100
39 61.7 51.1 76.7
76 37.1 29.1 43.7





#15

Acrylonitrile

Concen: 247.499 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

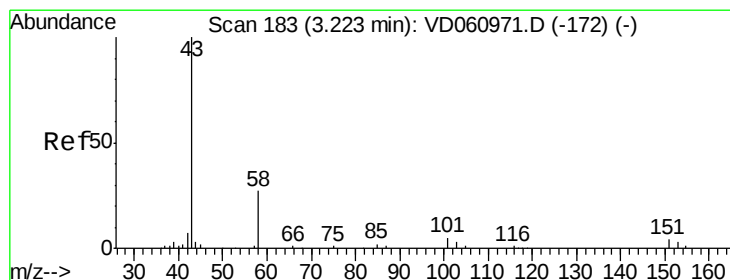
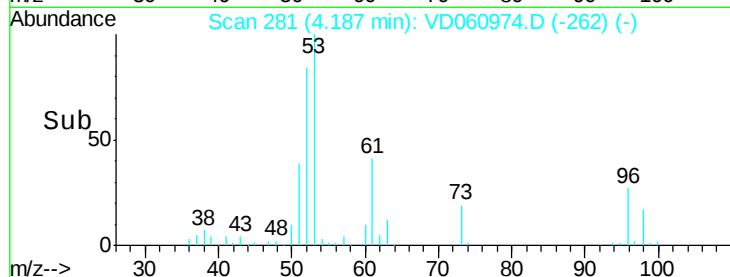
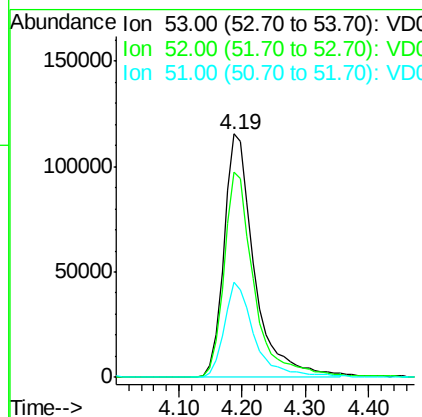
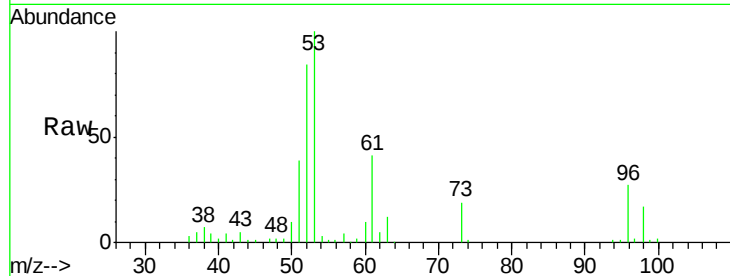
ClientSampleId :

ICVVD030719

Tot Ion:	53	Resp:	386177
Ion	Ratio	Lower	Upper
53	100		
52	84.4	70.2	105.4
51	39.1	31.7	47.5

Manual Integrations
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#16

Acetone

Concen: 220.139 ug/l

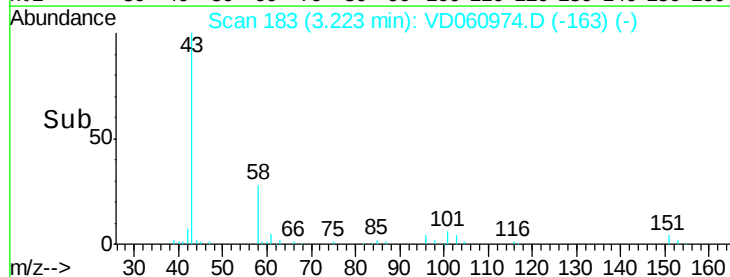
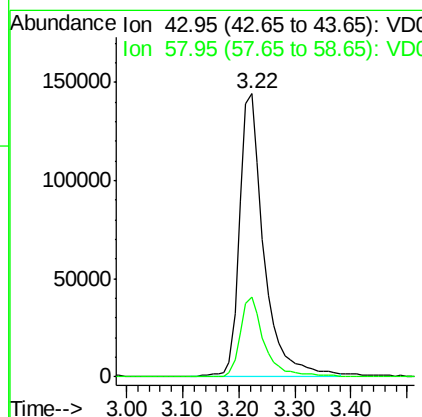
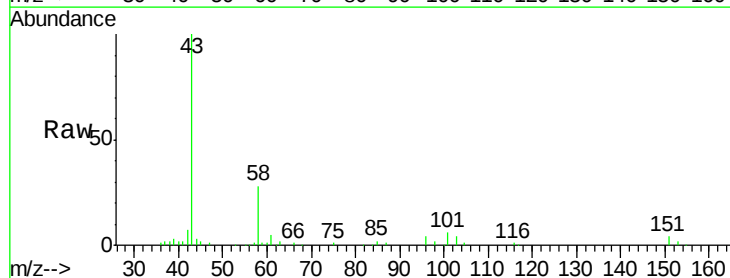
RT: 3.22 min Scan# 183

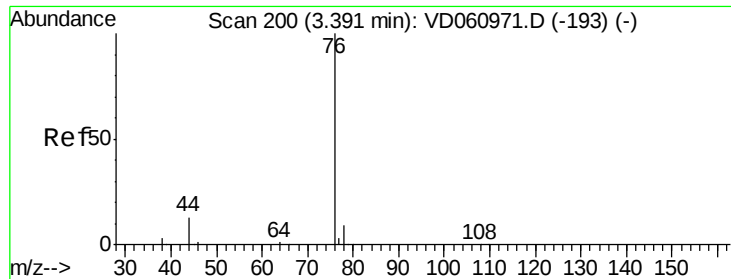
Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Tgt Ion:	43	Resp:	436544
Ion	Ratio	Lower	Upper
43	100		
58	28.1	21.6	32.4





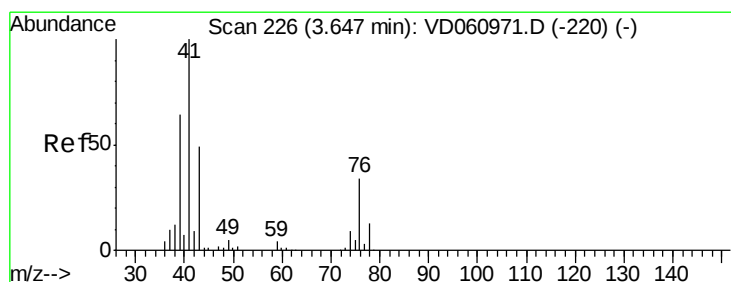
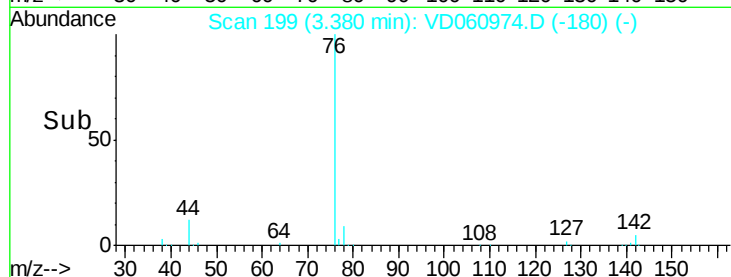
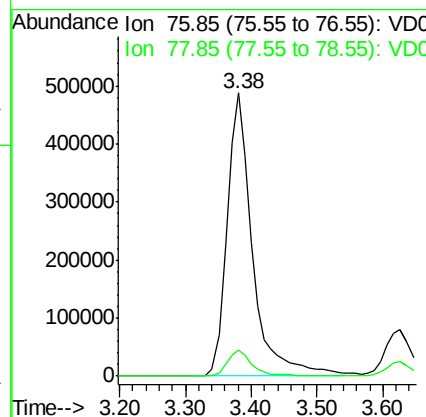
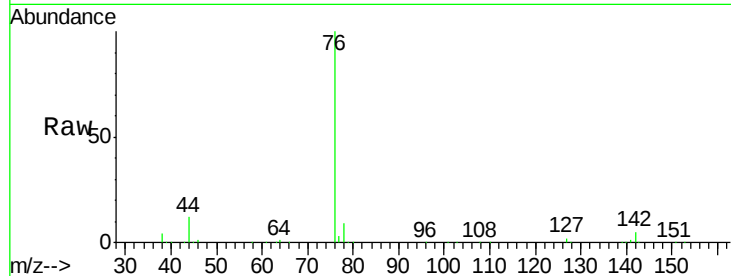
#17
Carbon Disulfide
Concen: 46.572 ug/l
RT: 3.38 min Scan# 199
Delta R.T. -0.01 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tot Ion: 76 Resp: 1313801
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2

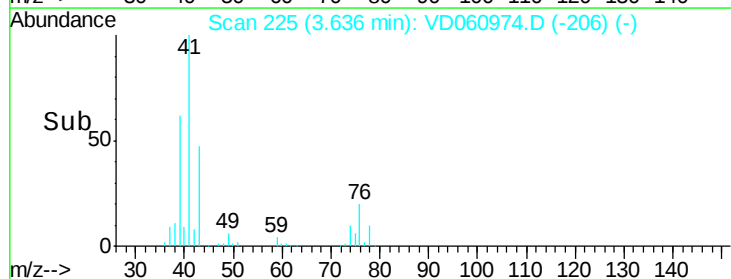
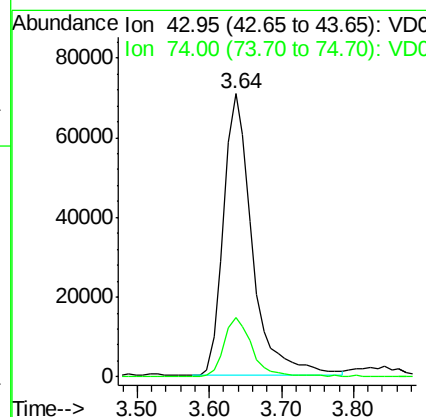
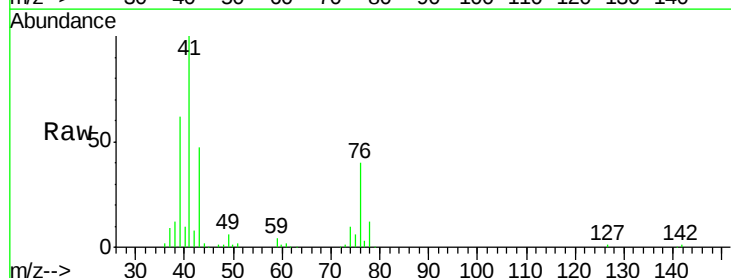
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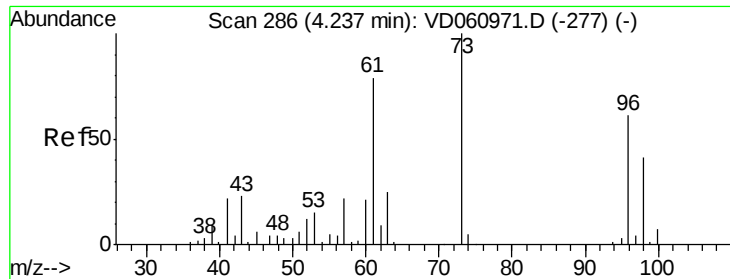
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#18
Methyl Acetate
Concen: 50.208 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion: 43 Resp: 195942
Ion Ratio Lower Upper
43 100
74 20.8 14.6 21.8





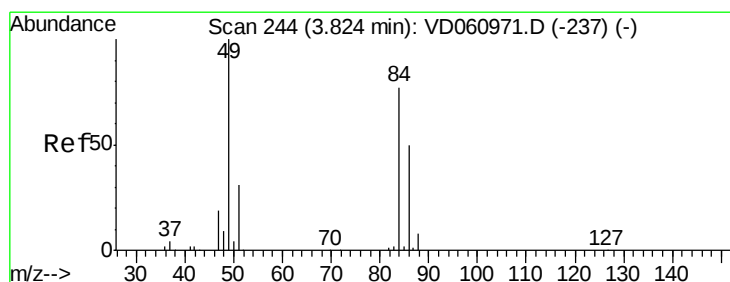
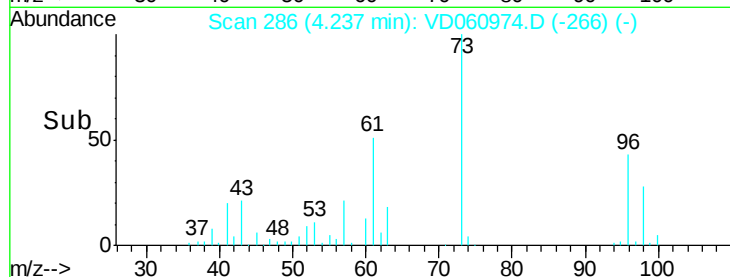
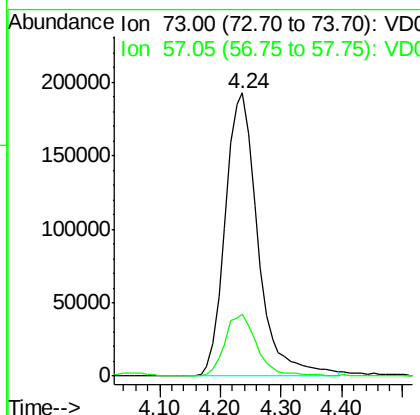
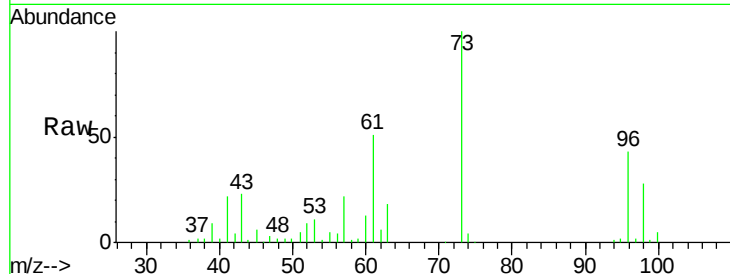
#19
Methyl tert-butyl Ether
Concen: 49.450 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tot Ion: 73 Resp: 724731
Ion Ratio Lower Upper
73 100
57 21.7 17.7 26.5

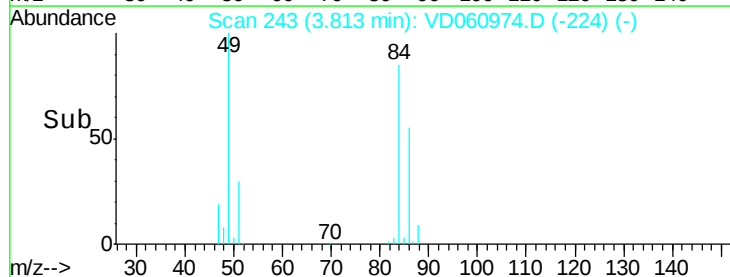
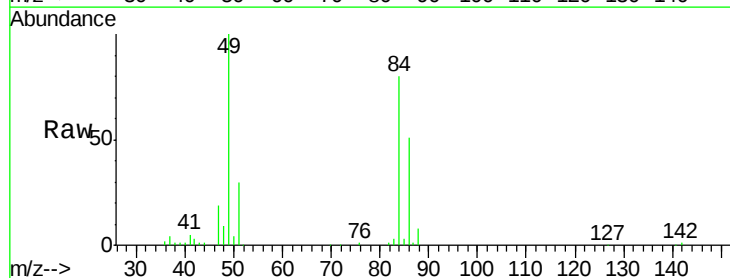
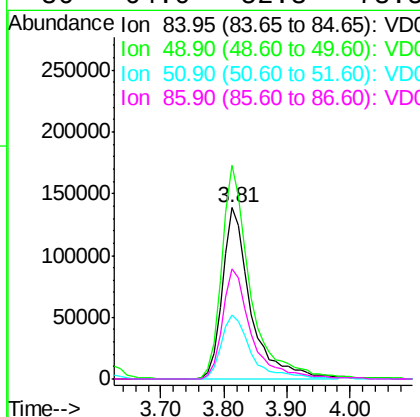
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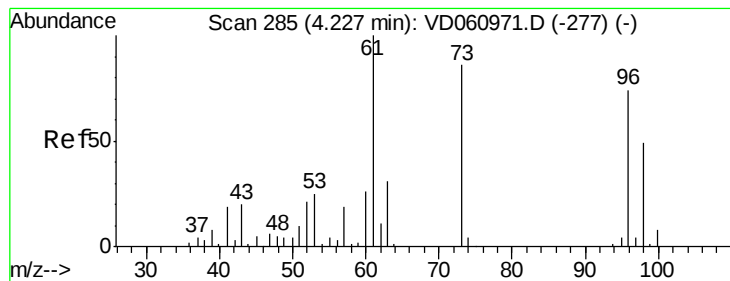
MMDadoda
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#20
Methylene Chloride
Concen: 47.764 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion: 84 Resp: 433763
Ion Ratio Lower Upper
84 100
49 124.7 104.2 156.2
51 37.7 32.3 48.5
86 64.0 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 48.035 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030719

Tot Ion: 96 Resp: 434793

Ion Ratio Lower Upper

96 100

61 128.6 108.4 162.6

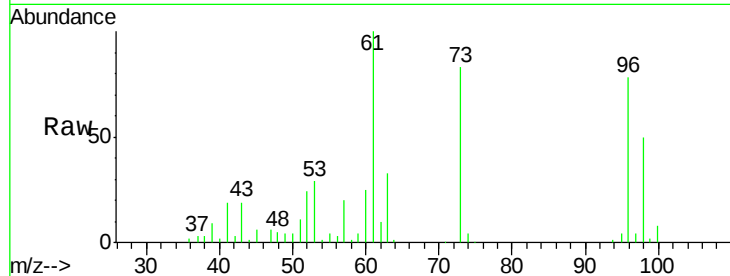
98 64.6 53.0 79.4

Manual Integrations

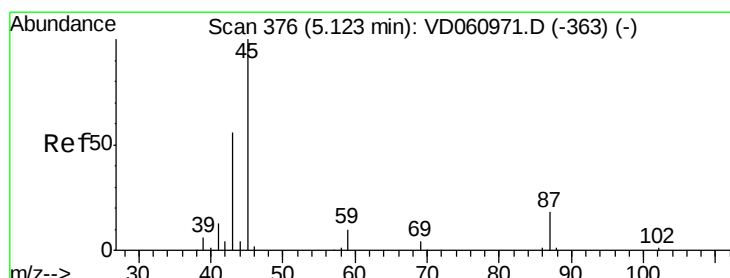
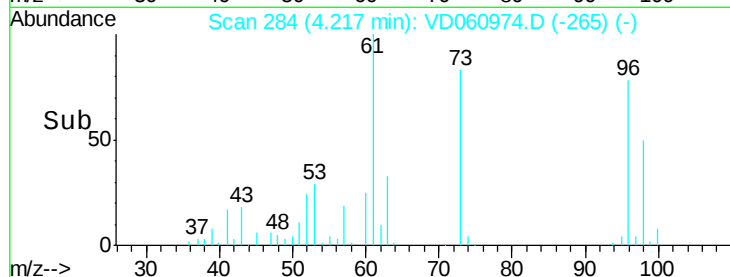
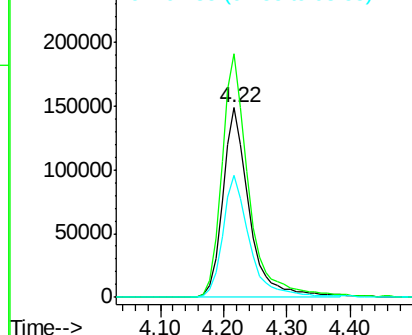
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 45.552 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Tgt Ion: 45 Resp: 1265253

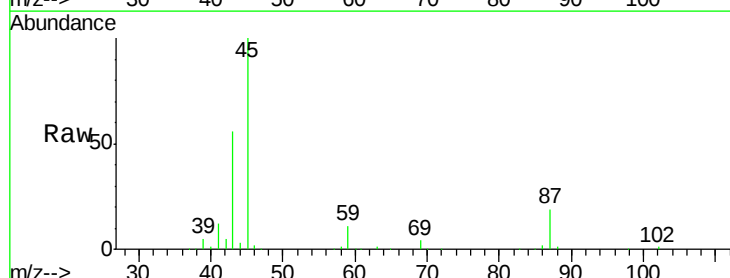
Ion Ratio Lower Upper

45 100

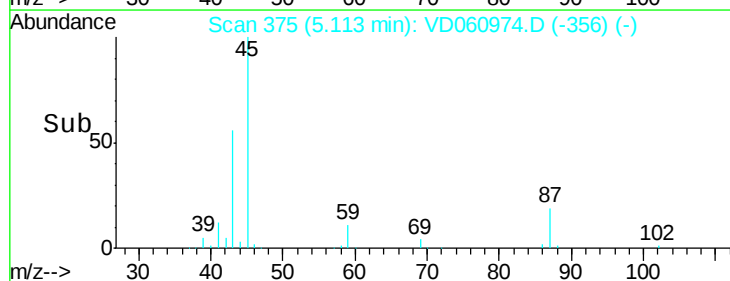
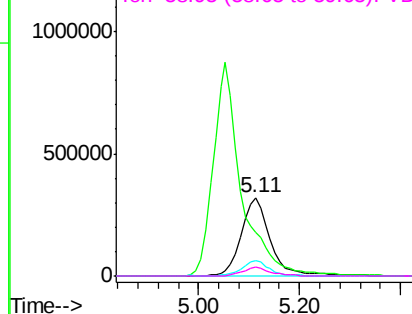
43 56.0 45.8 68.8

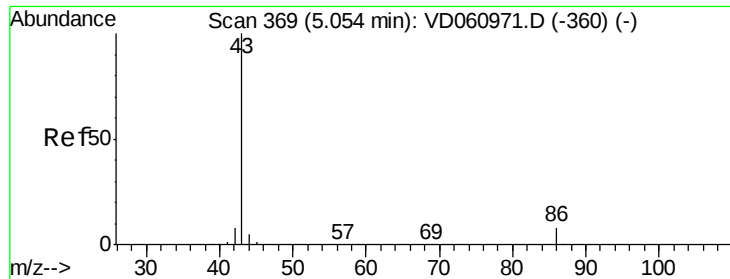
87 18.8 14.9 22.3

59 10.8 8.0 12.0



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 237.168 ug/l

RT: 5.05 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030719

Tot Ion: 43 Resp: 3381728

Ion Ratio Lower Upper

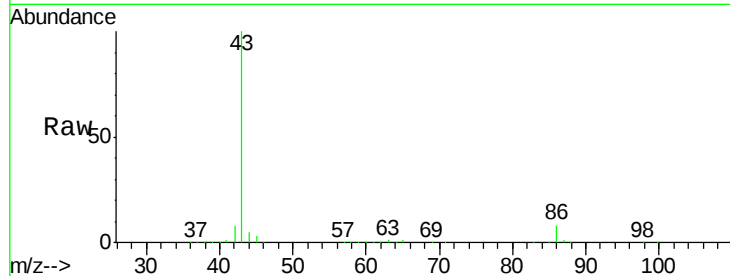
43 100

86 7.9 6.2 9.2

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1000000

800000

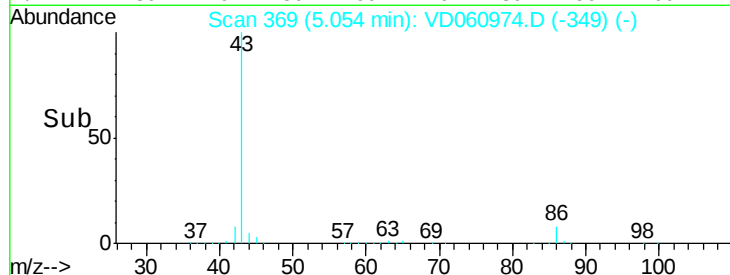
600000

400000

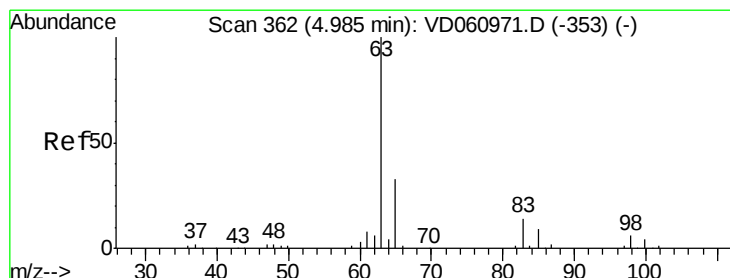
200000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 46.423 ug/l

RT: 4.98 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

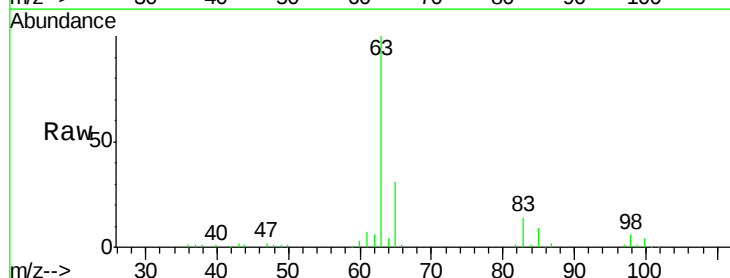
Tgt Ion: 63 Resp: 706489

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 4.0 2.0 5.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

250000

200000

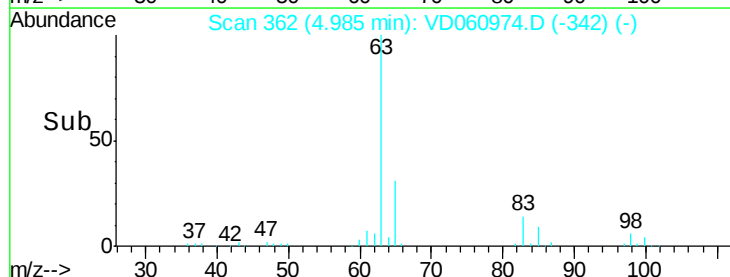
150000

100000

50000

0

Time-->



Time-->



#25

2-Butanone

Concen: 239.938 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030719

Tot Ion: 43 Resp: 539908

Ion Ratio Lower Upper

43 100

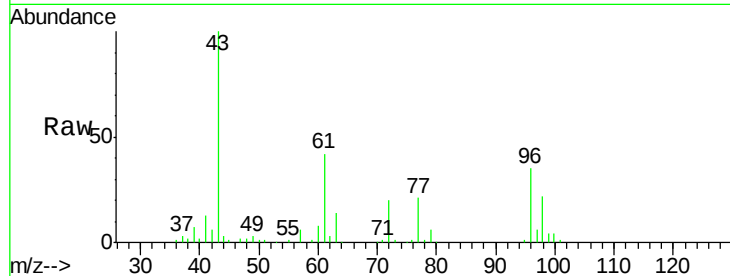
72 20.3 16.7 25.1

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

200000

150000

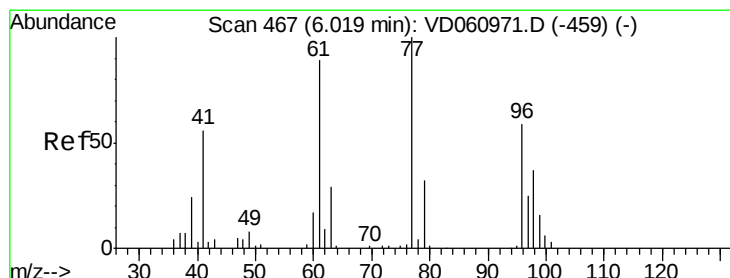
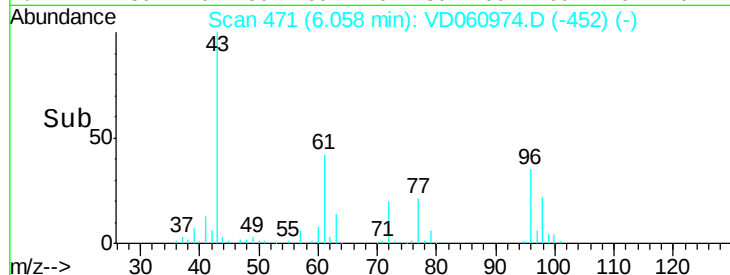
100000

50000

0

6.06

Time-->



#26

2,2-Dichloropropane

Concen: 43.661 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD060974.D

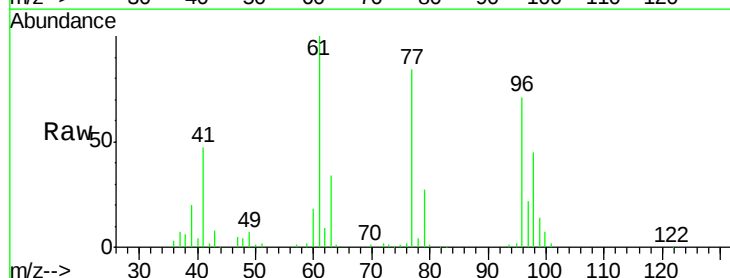
Acq: 7 Mar 2019 18:21

Tgt Ion: 77 Resp: 518717

Ion Ratio Lower Upper

77 100

97 26.4 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

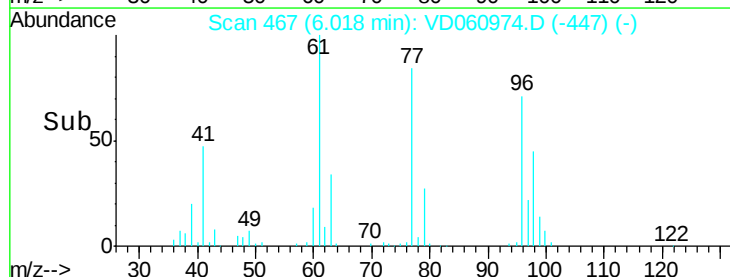
100000

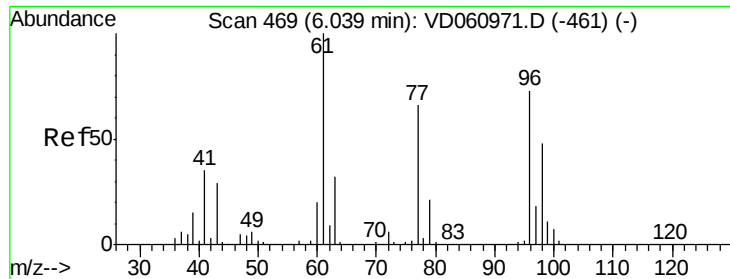
50000

0

6.02

Time-->





#27

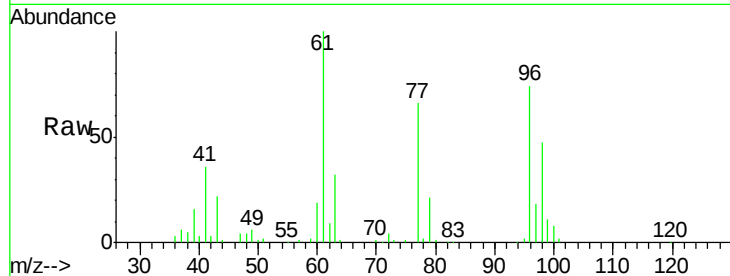
cis-1,2-Dichloroethene
Concen: 47.789 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tot Ion	Ratio	Resp	Lower	Upper
96	100	458947		
61	135.3	0.0	273.6	
98	64.1	0.0	132.6	

Manual Integrations
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MMDadoda
3/8/2019 9:46:30 PM

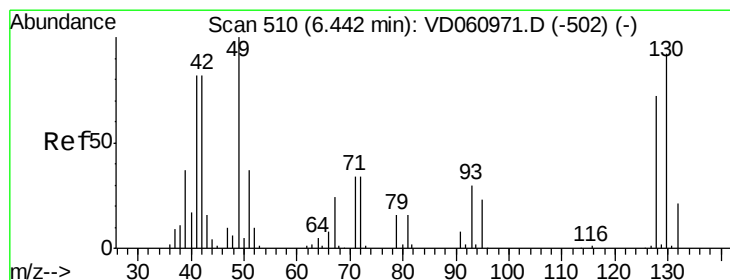
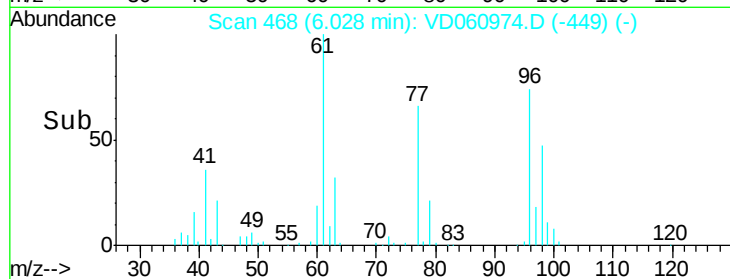
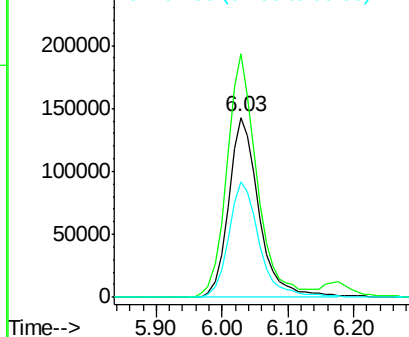


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

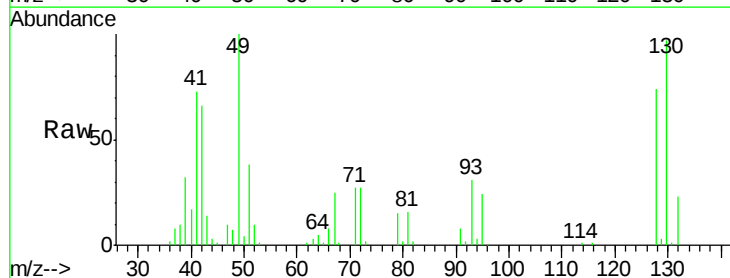
Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane
Concen: 52.936 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	341051		
129	2.6	0.0	4.0	
130	97.4	73.8	110.8	

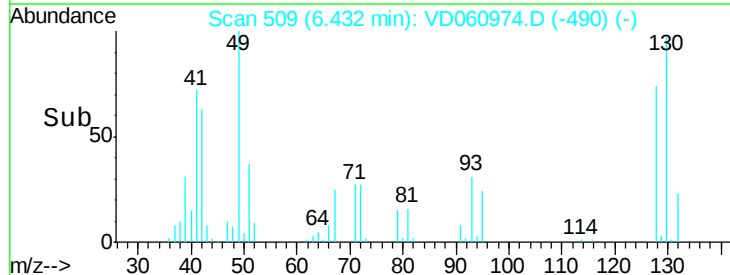
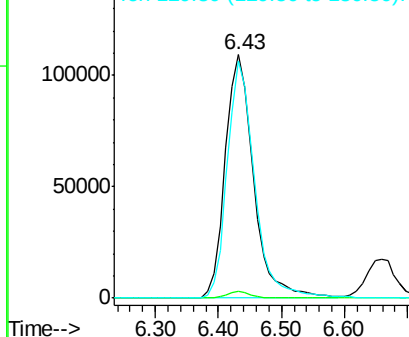


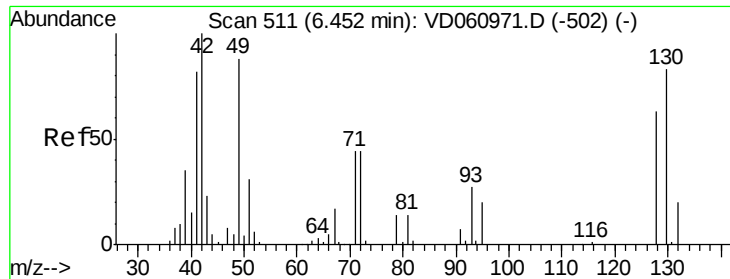
Abundance

Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





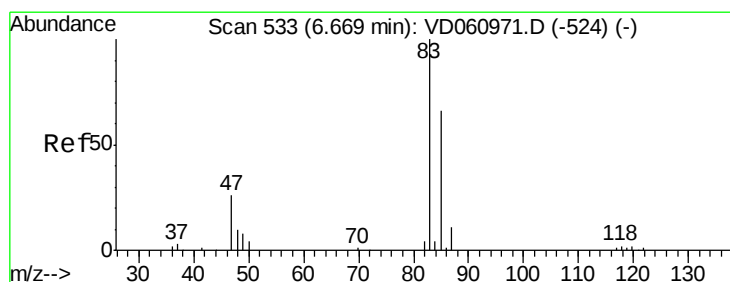
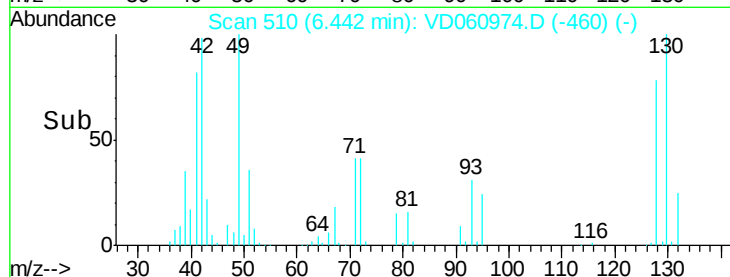
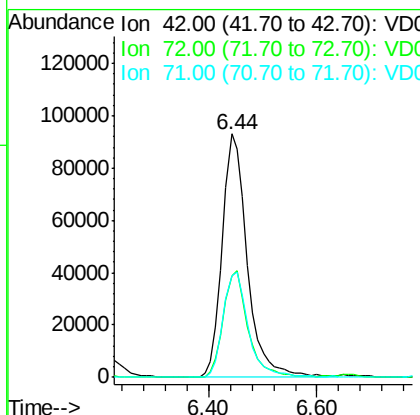
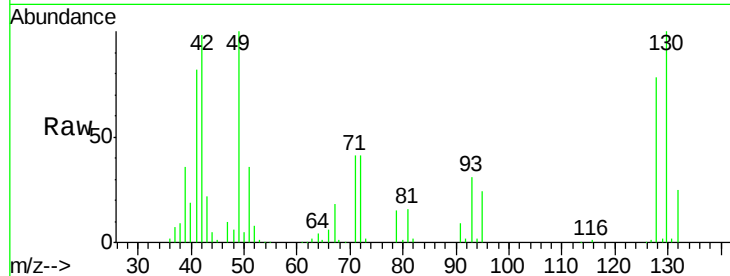
#29
Tetrahydrofuran
Concen: 246.124 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.5	51.7
71	43.1	33.8	50.6

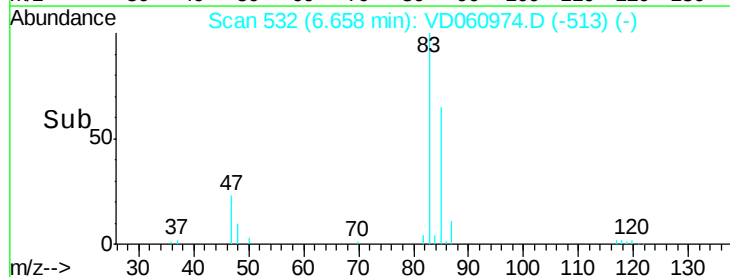
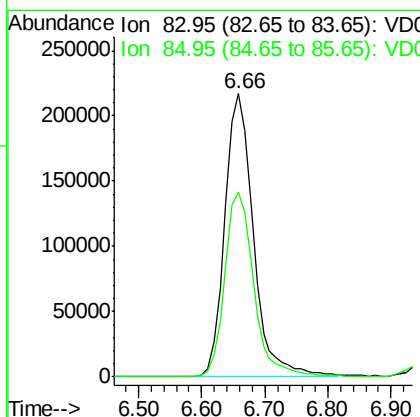
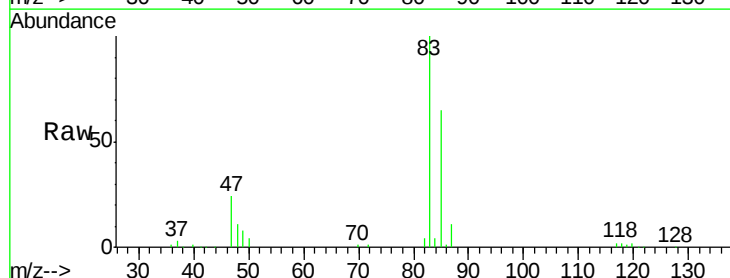
Manual Integrations
APPROVED

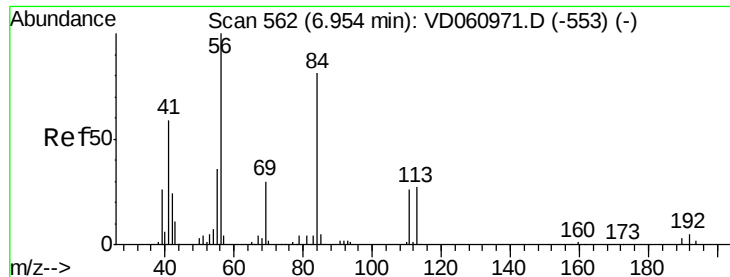
MMDadoda
3/8/2019 9:46:30 PM



#30
Chloroform
Concen: 43.290 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	53.0	79.4





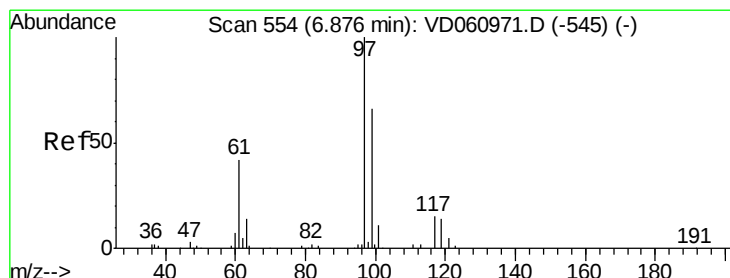
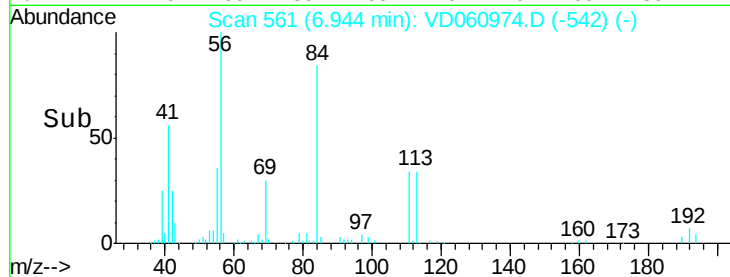
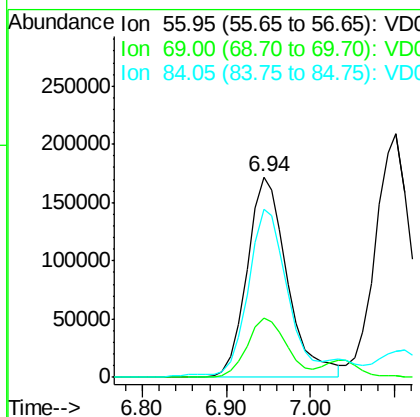
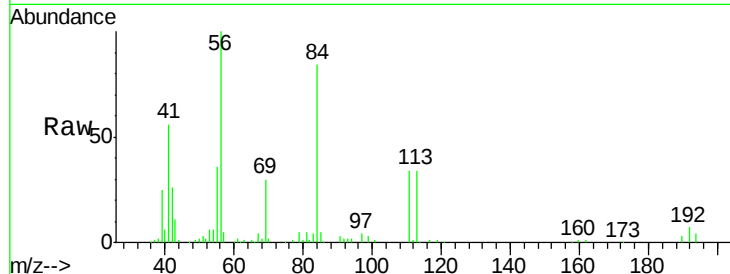
#31
Cvclohexane
Concen: 46.771 ug/l
RT: 6.94 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.7	24.0	36.0
84	83.9	65.8	98.6

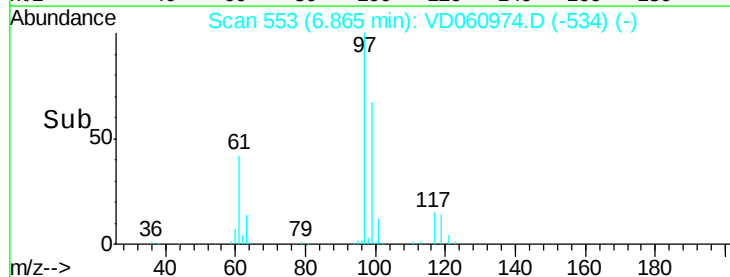
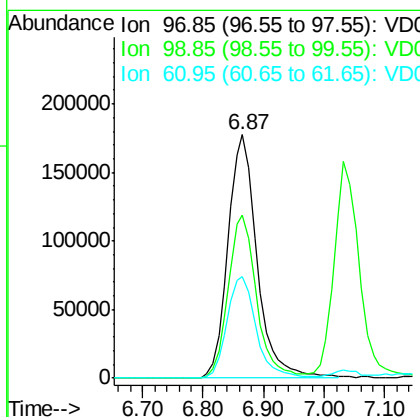
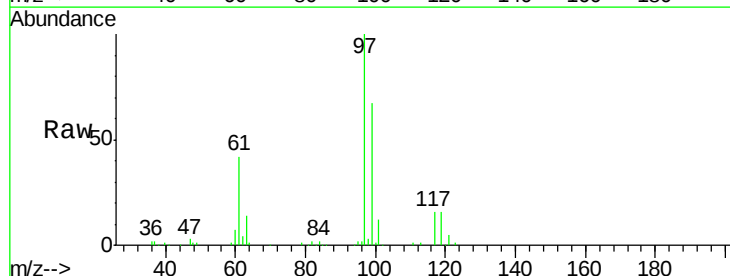
Manual Integrations
APPROVED

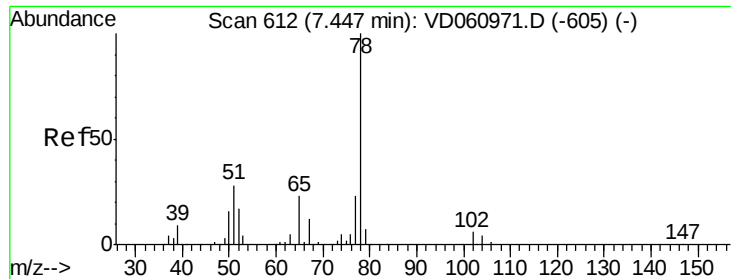
MMDadoda
3/8/2019 9:46:30 PM



#32
1,1,1-Trichloroethane
Concen: 43.341 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.01 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.1	53.2	79.8
61	42.0	33.8	50.8





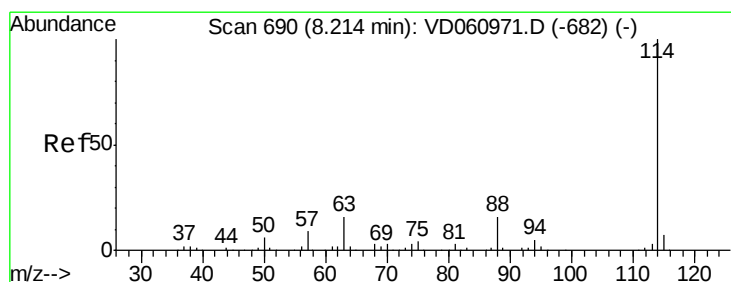
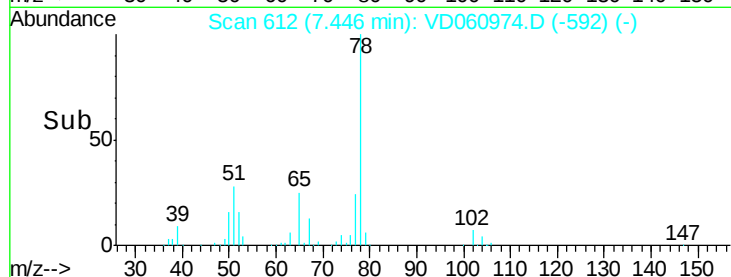
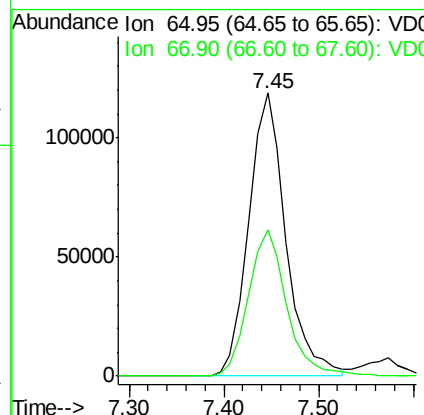
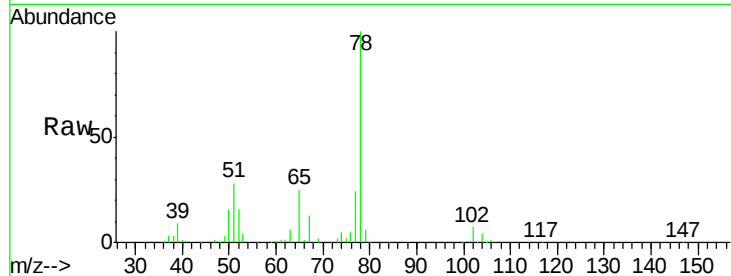
#33
 1,2-Dichloroethane-d4
 Concen: 43.341 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030719

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.7	0.0	105.2	

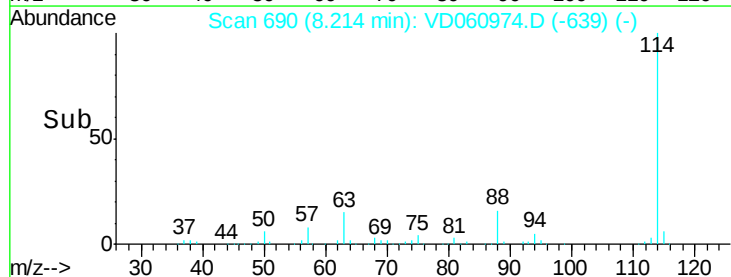
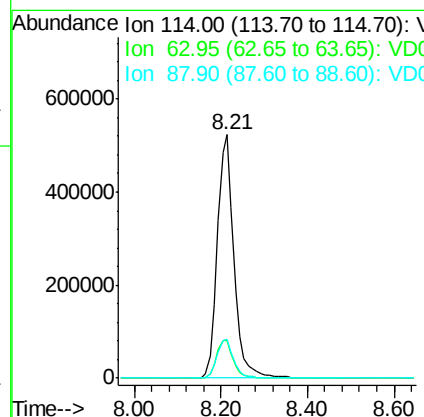
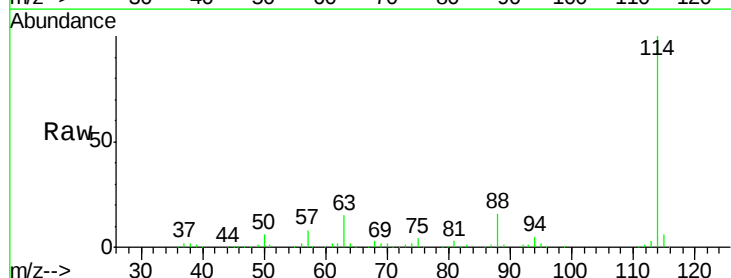
Manual Integrations
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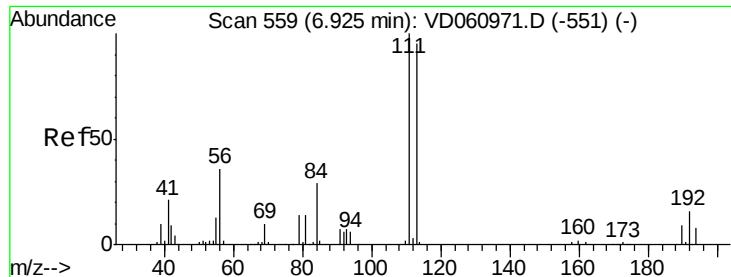
MMDadoda
 3/8/2019 9:46:30 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	15.4	0.0	31.4	
88	15.9	0.0	33.0	





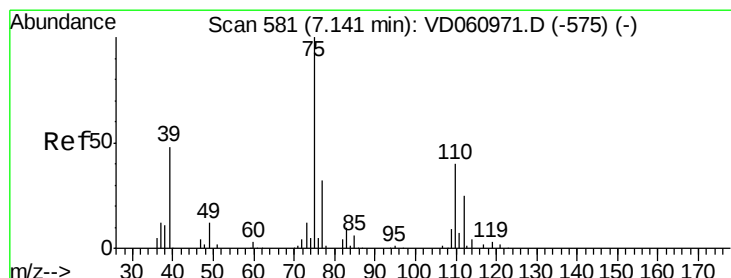
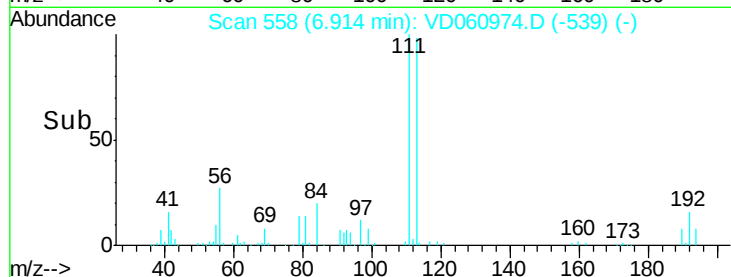
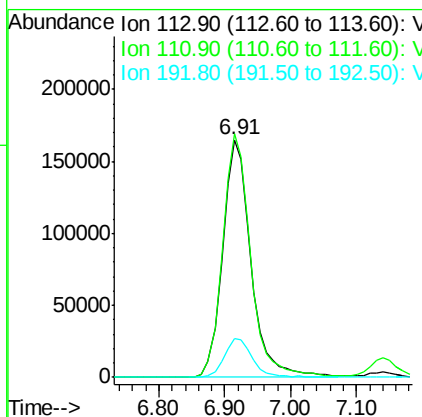
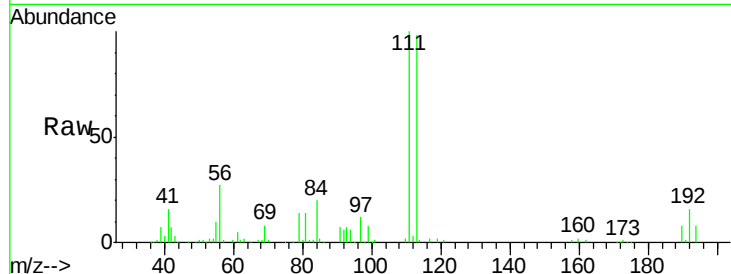
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.91 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.4	84.2	126.4	
192	16.5	13.1	19.7	

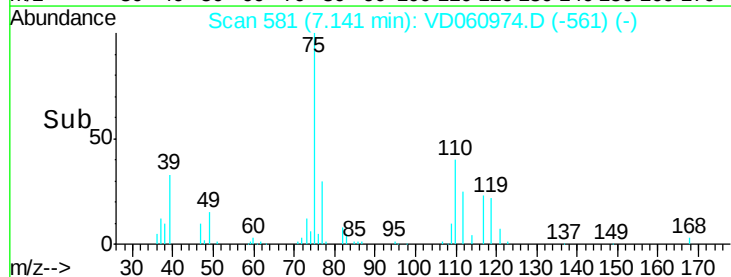
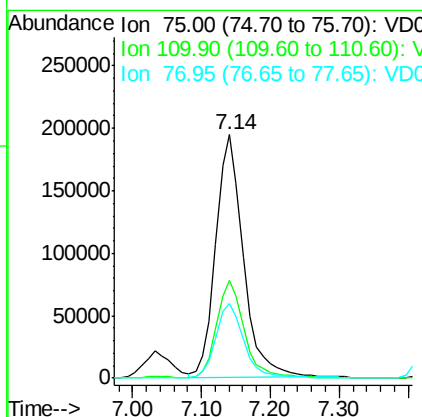
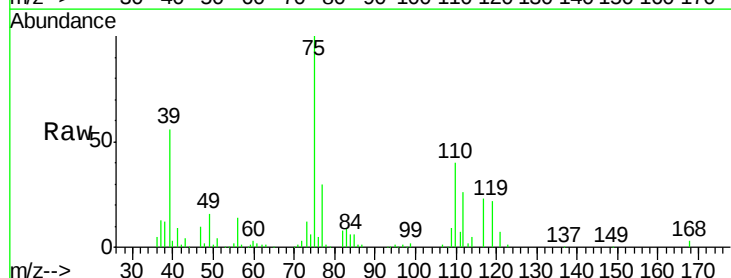
Manual Integrations
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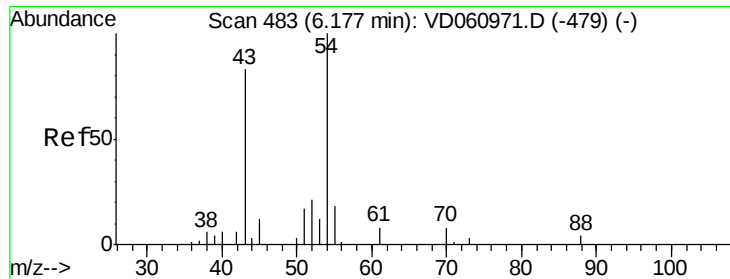
MMDadoda
3/8/2019 9:46:30 PM



#36
1,1-Dichloropropene
Concen: 44.848 ug/l
RT: 7.14 min Scan# 581
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	40.3	19.7	59.1	
77	30.5	24.7	37.1	





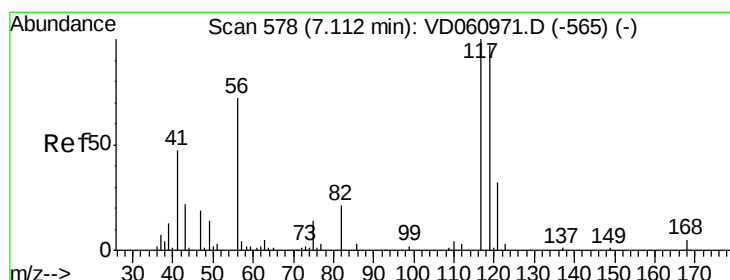
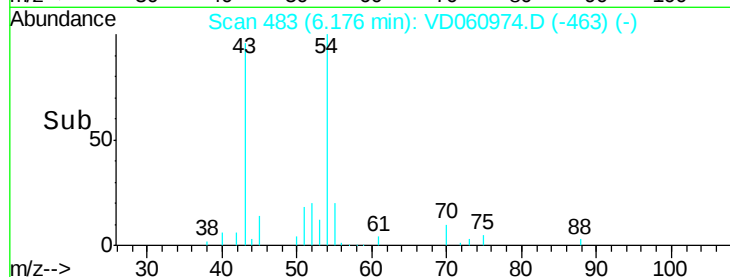
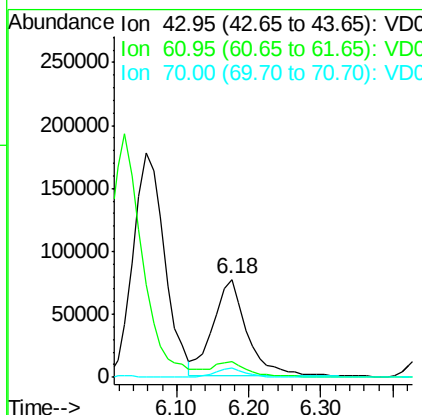
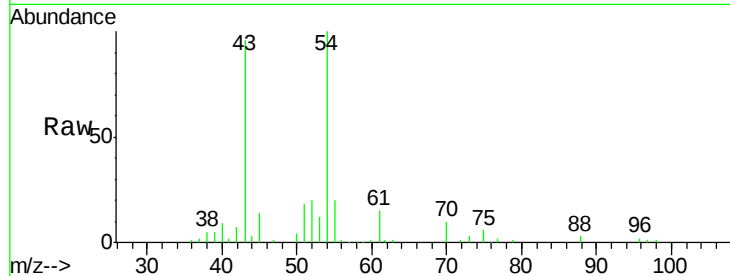
#37
Ethyl Acetate
Concen: 44.770 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	13.7	20.5
70	10.0	7.1	10.7

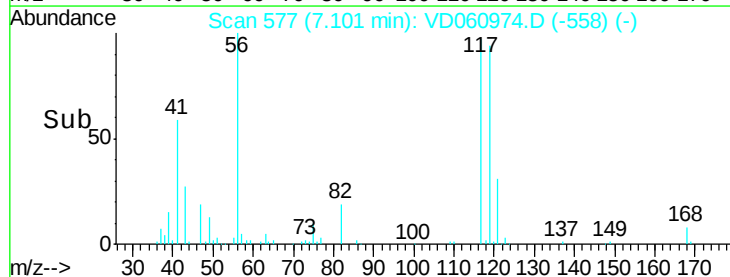
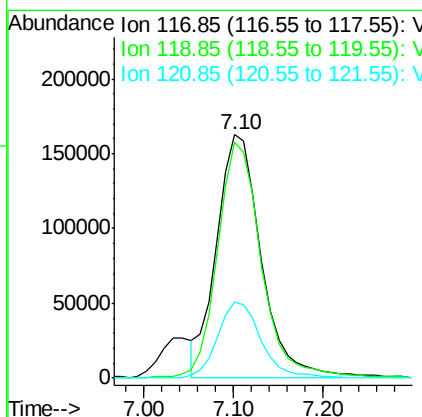
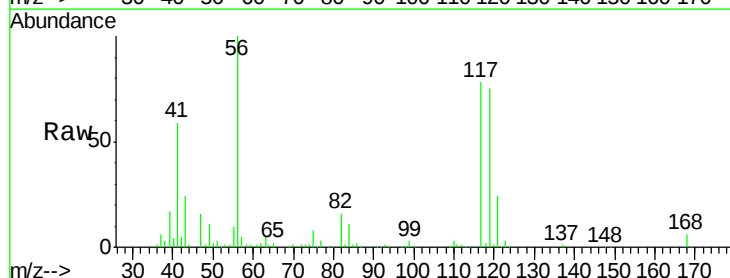
Manual Integrations
APPROVED

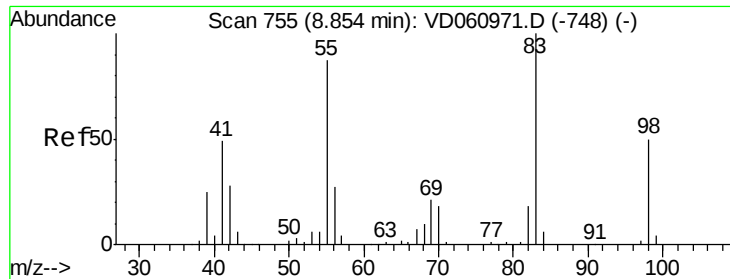
MMDadoda
3/8/2019 9:46:30 PM



#38
Carbon Tetrachloride
Concen: 42.511 ug/l m
RT: 7.10 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.8	116.8
121	31.3	25.3	37.9





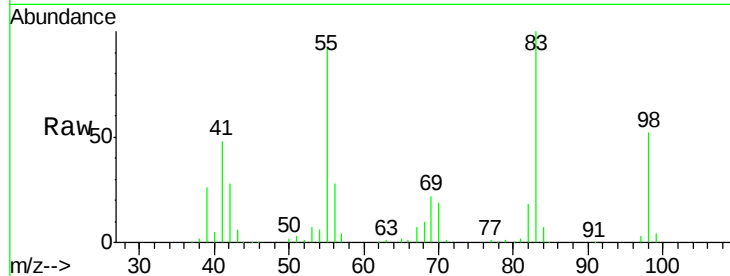
#39
Methvlcvclohexane
Concen: 43.774 ug/l
RT: 8.85 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tot Ion	Ratio	Resp	Lower	Upper
83	100	544620		
55	92.1	69.6	104.4	
98	51.8	40.0	60.0	

Manual Integrations
APPROVED

MMDadoda
3/8/2019 9:46:30 PM

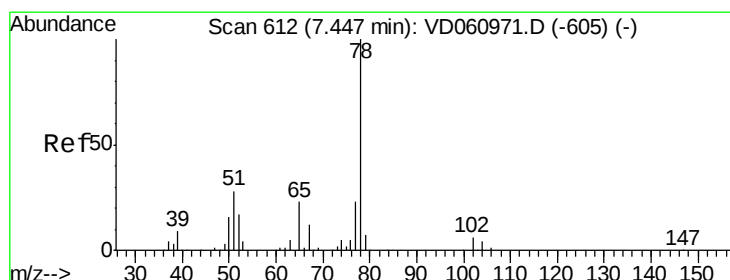
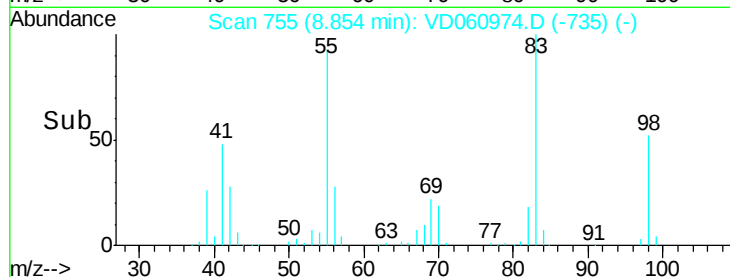
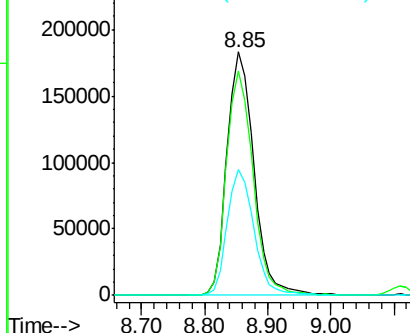


Abundance

Ion 83.05 (82.75 to 83.75): VDC

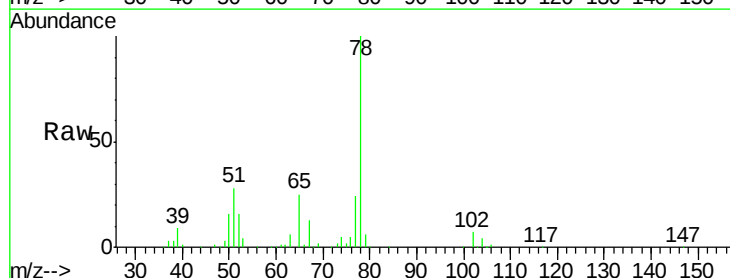
Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40
Benzene
Concen: 48.012 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

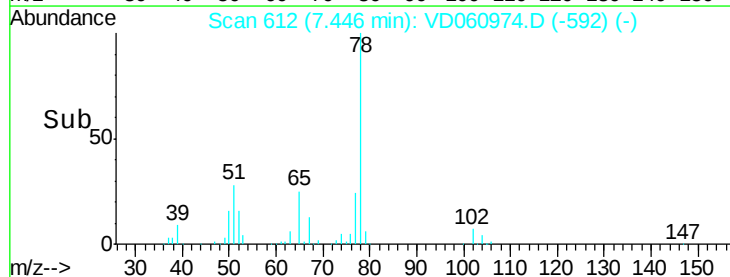
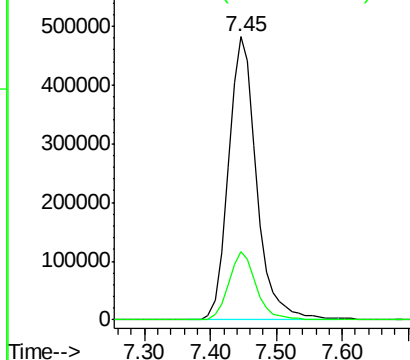
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1439504		
77	24.2	18.8	28.2	

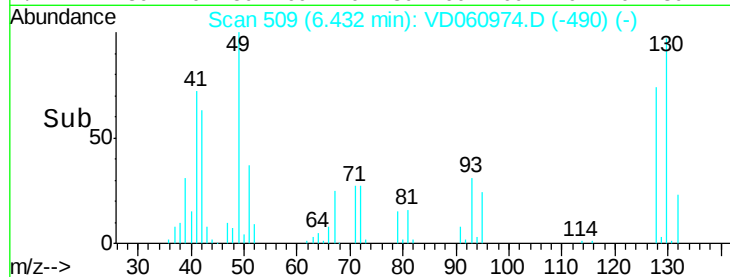
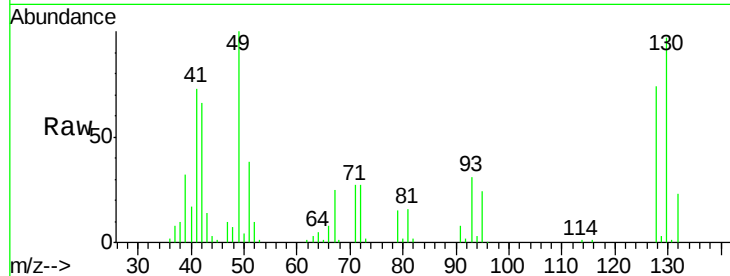
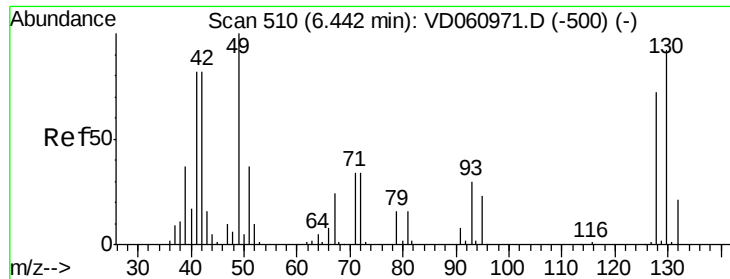


Abundance

Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





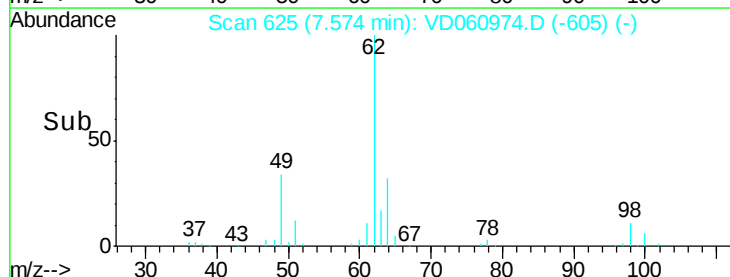
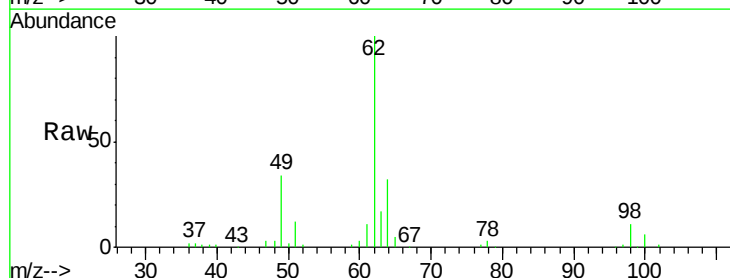
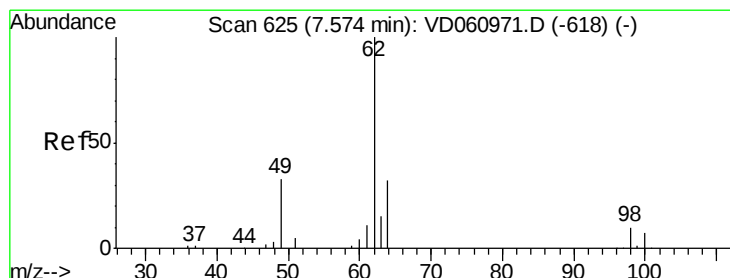
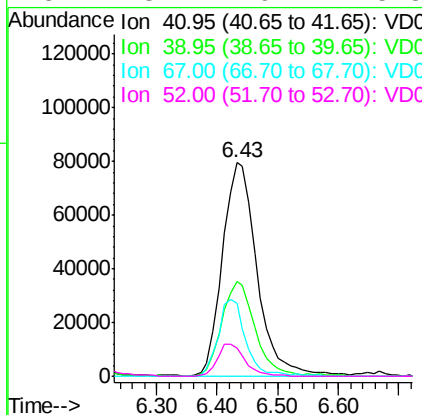
#41
Methacrylonitrile
Concen: 48.601 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tot Ion	Ratio	Lower	Upper
41	100		
39	44.1	35.7	53.5
67	34.2	23.0	34.6
52	13.4	9.2	13.8

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

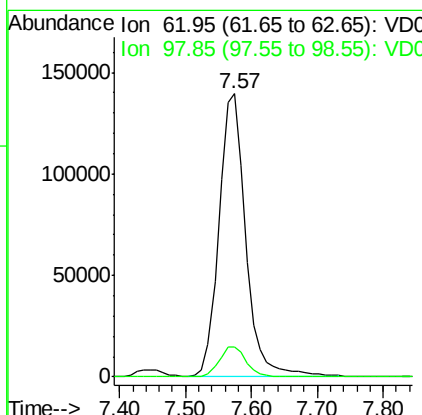
Manual Integrations
APPROVED

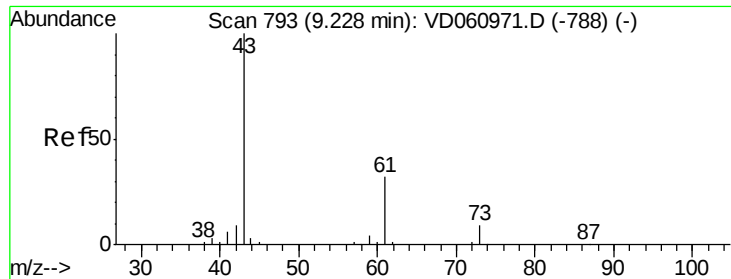
MMDadoda
3/8/2019 9:46:30 PM



#42
1,2-Dichloroethane
Concen: 45.556 ug/l
RT: 7.57 min Scan# 625
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.4





#43

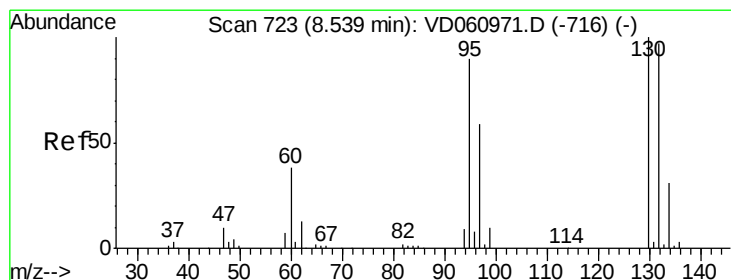
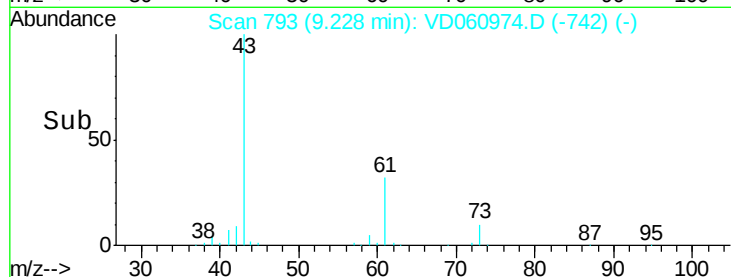
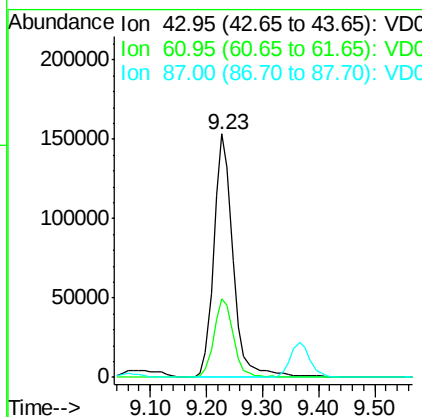
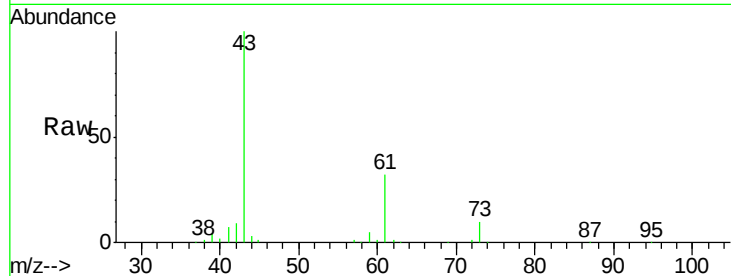
Isopropyl Acetate
 Concen: 47.813 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030719

Tot Ion	43	61	87
Resp	372873		
Ratio	100	32.5	0.2
Lower		25.6	0.2
Upper		38.4	0.4

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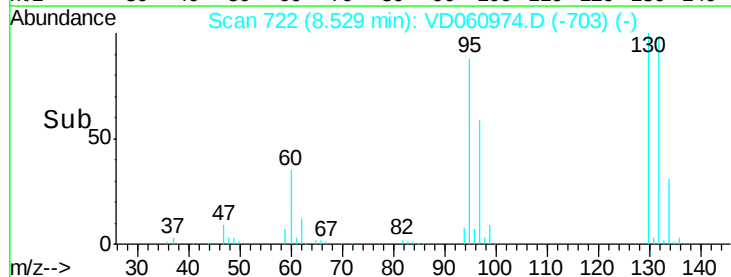
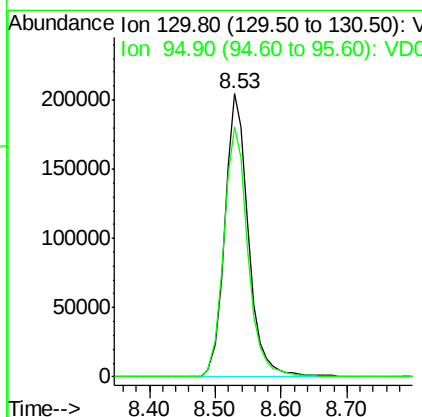
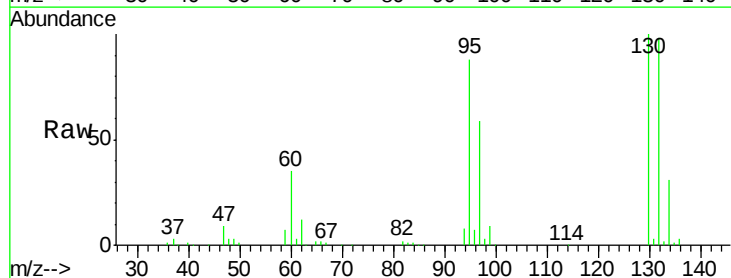
MMDadoda
 3/8/2019 9:46:30 PM



#44

Trichloroethene
 Concen: 49.499 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Tgt Ion	130	95
Resp	511997	
Ratio	100	88.4
Lower		0.0
Upper		179.4





#45

1,2-Dichloropropane

Concen: 46.065 ug/l

RT: 8.93 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030719

Tot Ion: 63 Resp: 362851

Ion Ratio Lower Upper

63 100

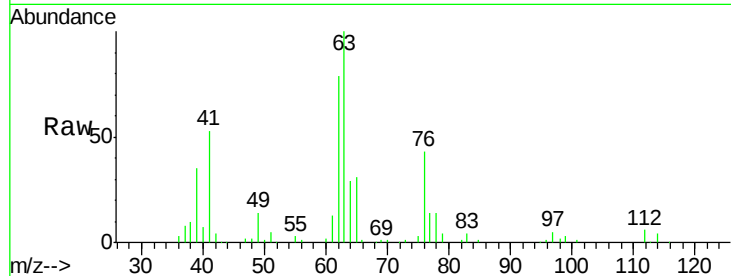
65 31.2 24.8 37.2

Manual Integrations

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

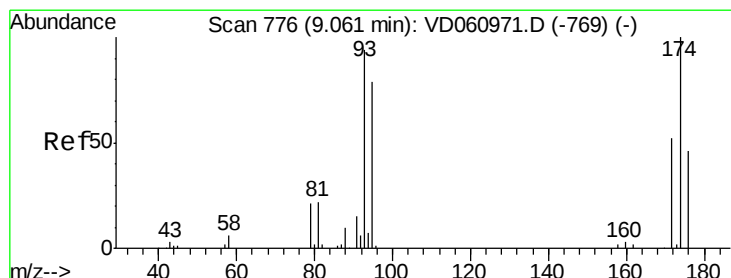
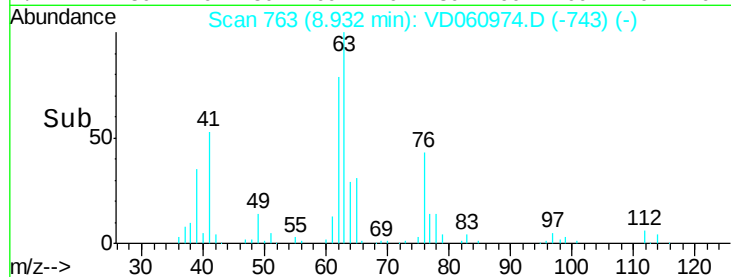
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 47.497 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

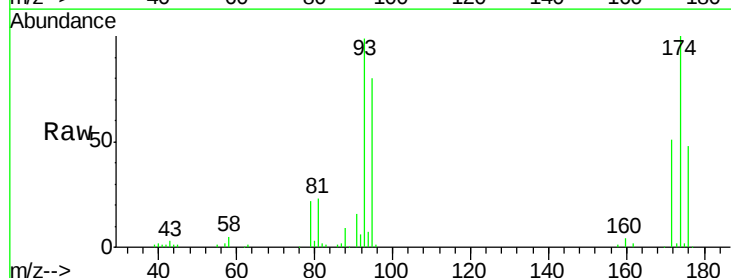
Tgt Ion: 93 Resp: 237321

Ion Ratio Lower Upper

93 100

95 80.7 67.4 101.0

174 100.7 85.4 128.0



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

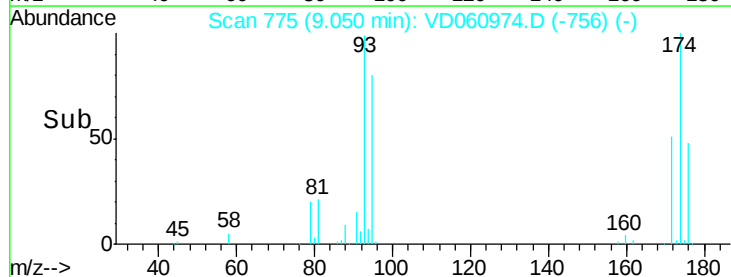
9.05

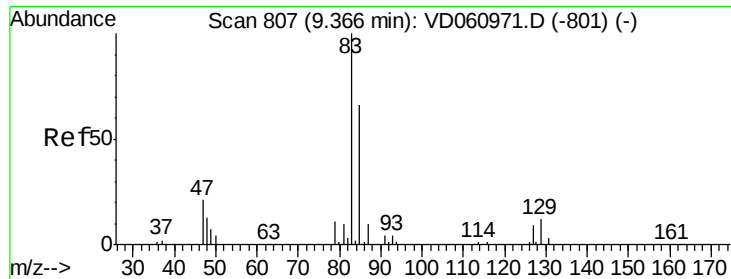
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 46.028 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

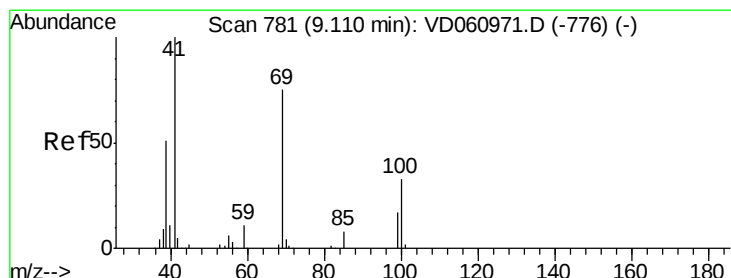
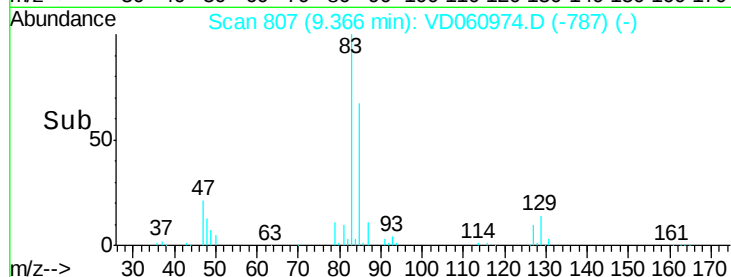
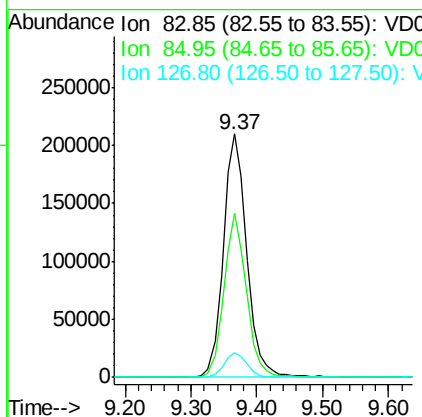
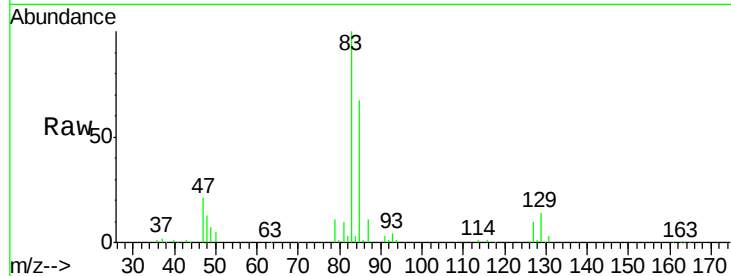
ClientSampleId :

ICVVD030719

Tot Ion:	83	Resp:	518970
Ion	Ratio	Lower	Upper
83	100		
85	67.4	52.5	78.7
127	10.1	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.561 ug/l

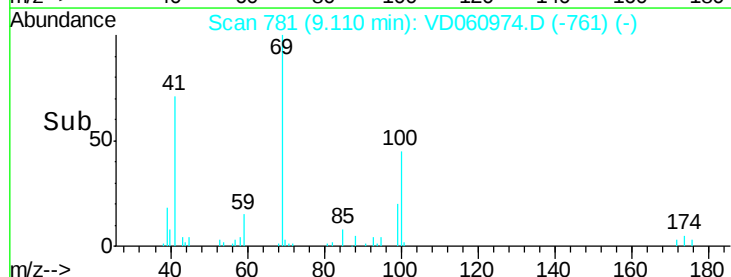
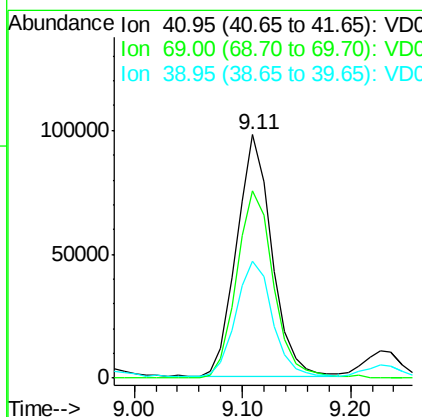
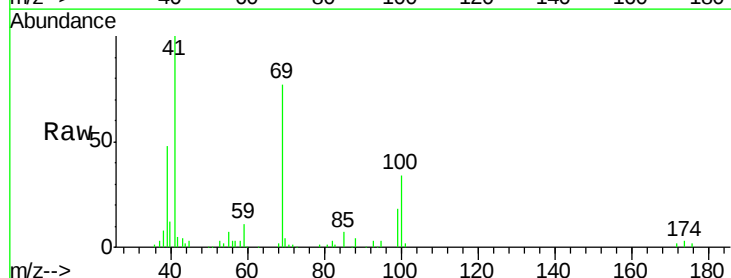
RT: 9.11 min Scan# 781

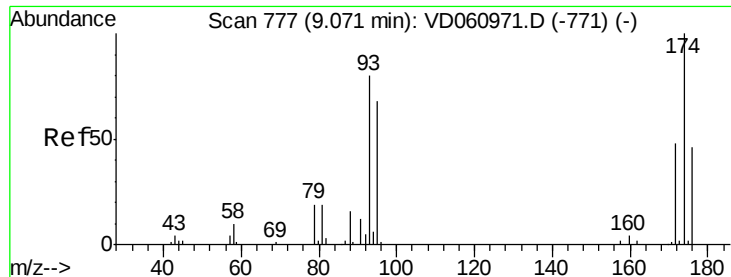
Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Tgt Ion:	41	Resp:	222007
Ion	Ratio	Lower	Upper
41	100		
69	76.8	59.9	89.9
39	48.3	40.9	61.3





#49

1,4-Dioxane

Concen: 1126.765 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

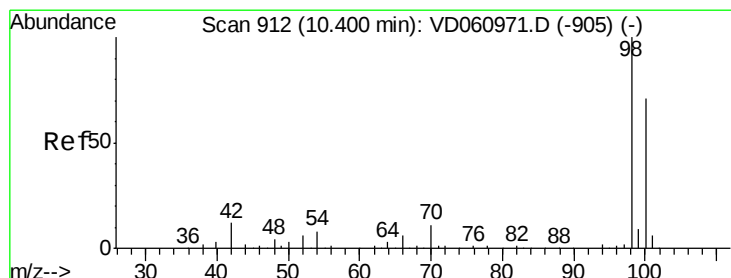
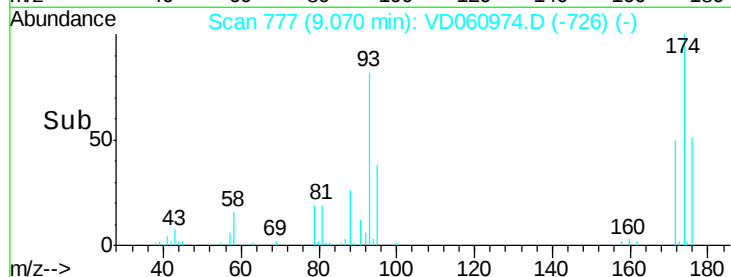
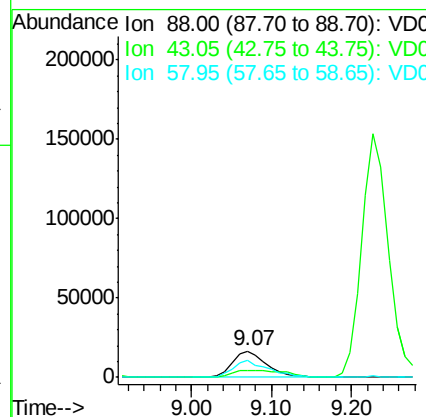
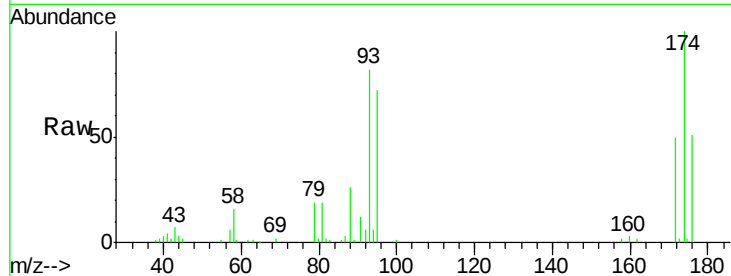
ClientSampleId :

ICVVD030719

Tot Ion:	88	Resp:	50028
Ion Ratio	Lower	Upper	
88	100		
43	26.7	21.0	31.6
58	62.3	48.6	72.8

Manual Integrations
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#50

Toluene-d8

Concen: 1126.765 ug/l

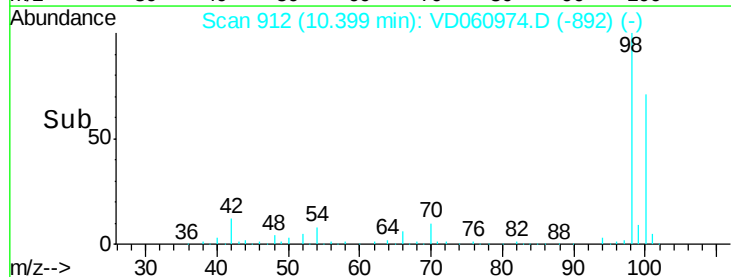
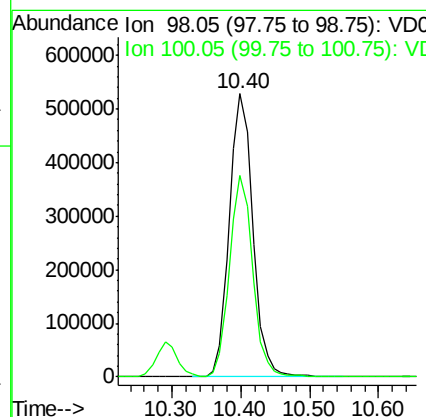
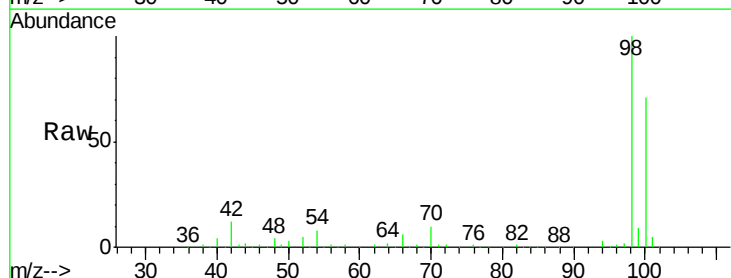
RT: 10.40 min Scan# 912

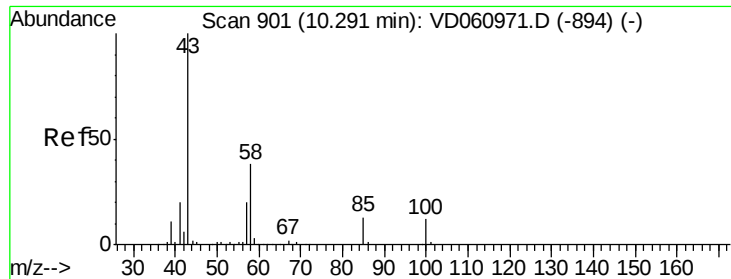
Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Tgt Ion:	98	Resp:	1257351
Ion Ratio	Lower	Upper	
98	100		
100	71.3	57.4	86.2





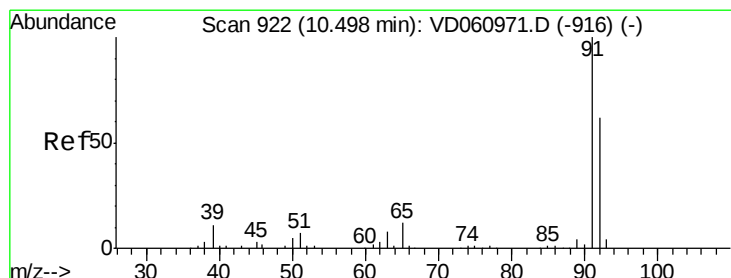
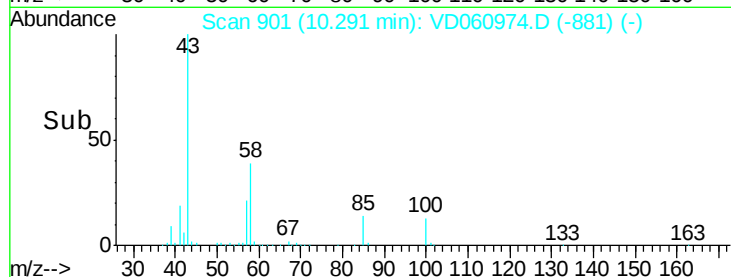
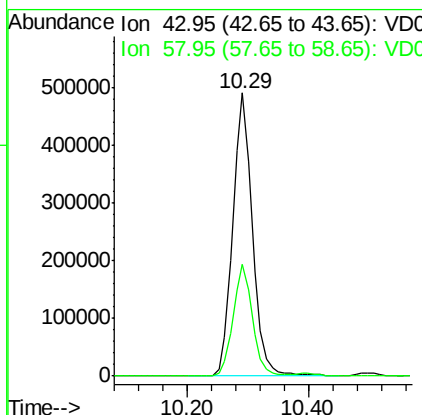
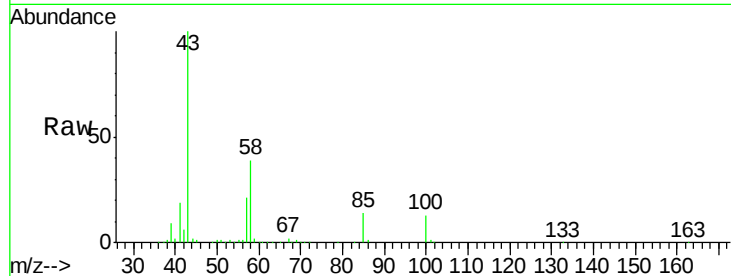
#51
4-Methyl-2-Pentanone
Concen: 232.718 ug/l
RT: 10.29 min Scan# 901
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tot Ion: 43 Resp: 1111835
Ion Ratio Lower Upper
43 100
58 39.3 30.2 45.2

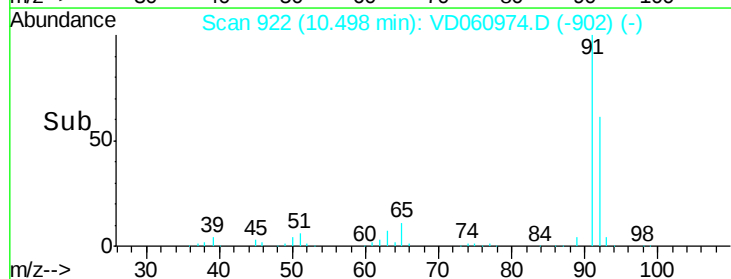
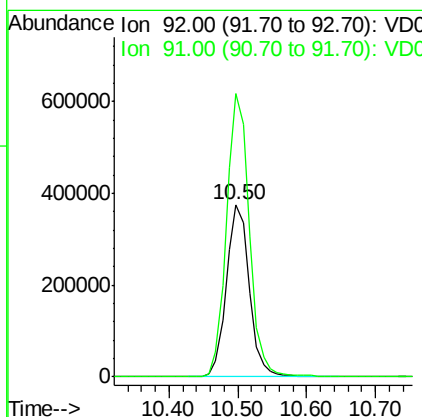
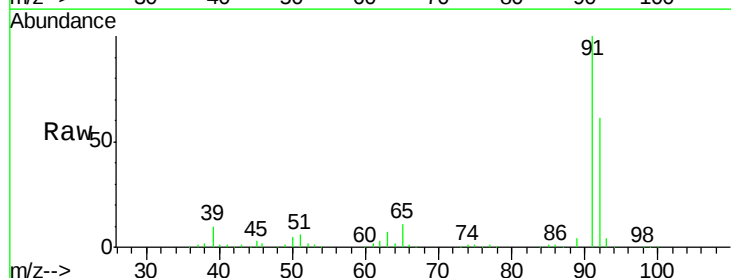
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#52
Toluene
Concen: 46.488 ug/l
RT: 10.50 min Scan# 922
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion: 92 Resp: 866712
Ion Ratio Lower Upper
92 100
91 164.4 129.8 194.8





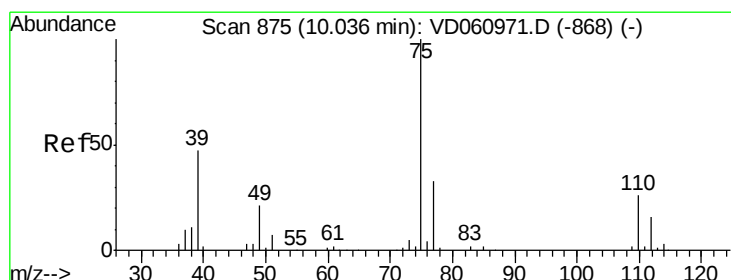
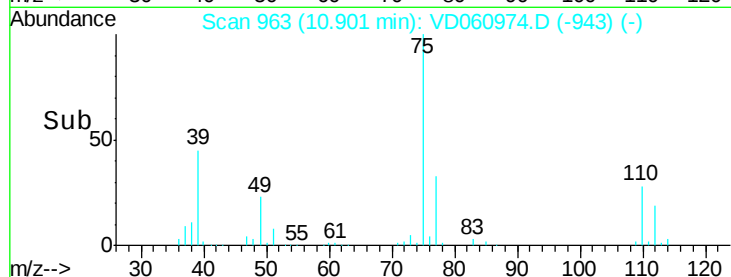
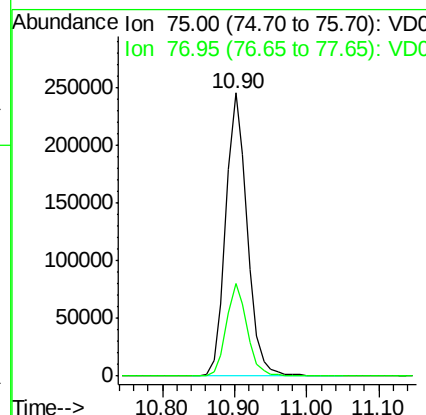
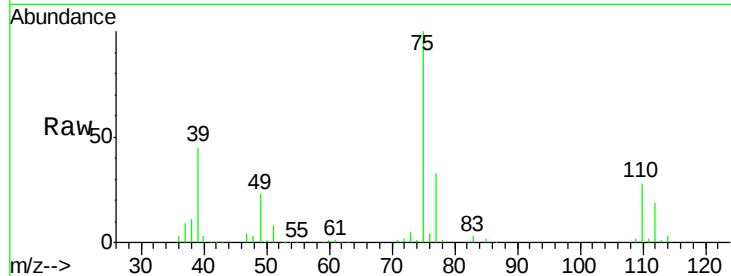
#53
t-1,3-Dichloropropene
Concen: 48.680 ug/l
RT: 10.90 min Scan# 963
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tot Ion: 75 Resp: 501888
Ion Ratio Lower Upper
75 100
77 32.6 24.7 37.1

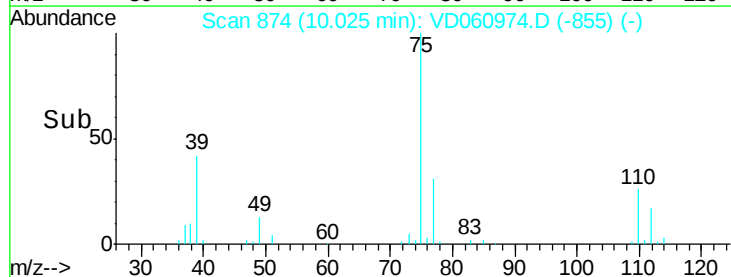
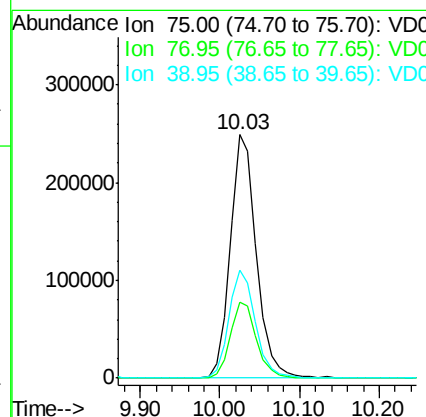
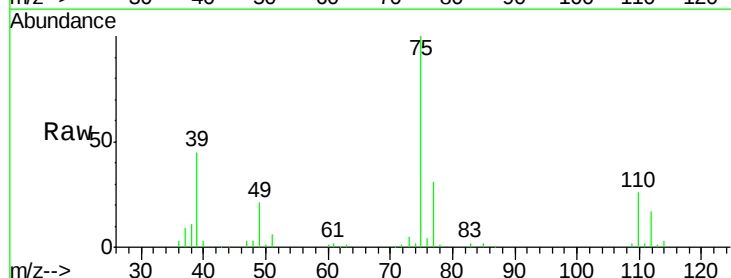
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#54
cis-1,3-Dichloropropene
Concen: 46.268 ug/l
RT: 10.03 min Scan# 874
Delta R.T. -0.01 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion: 75 Resp: 573148
Ion Ratio Lower Upper
75 100
77 31.3 26.2 39.4
39 44.5 37.8 56.8





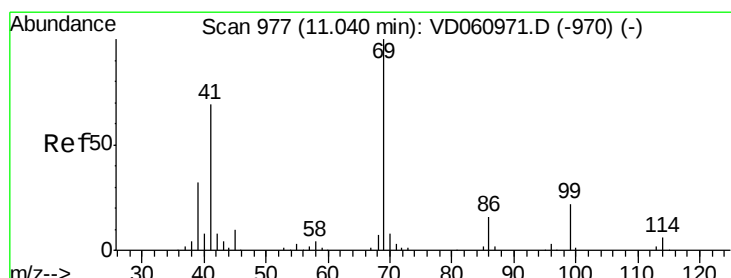
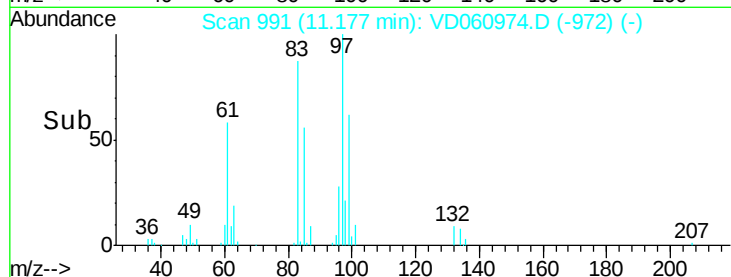
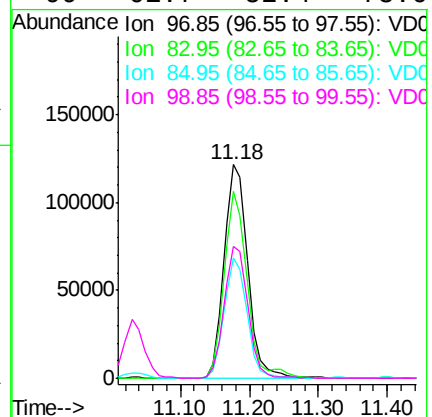
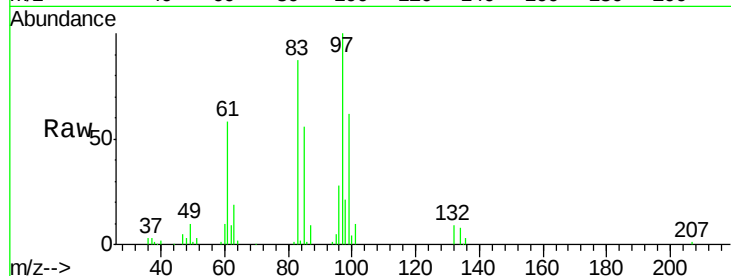
#55
 1,1,2-Trichloroethane
 Concen: 46.745 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030719

Tot Ion:	97	Resp:	290230
Ion	Ratio	Lower	Upper
97	100		
83	87.5	66.6	100.0
85	56.5	46.4	69.6
99	61.7	52.4	78.6

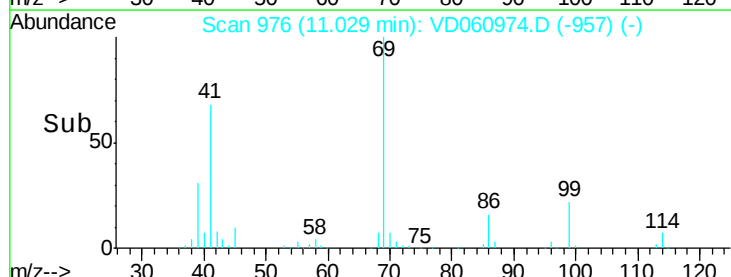
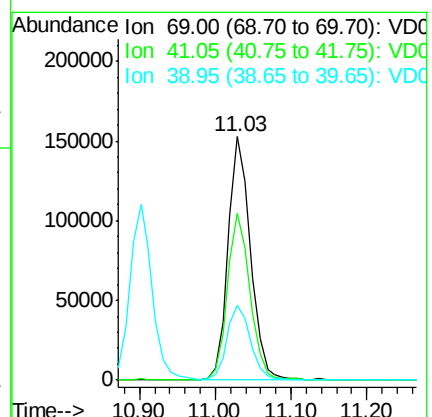
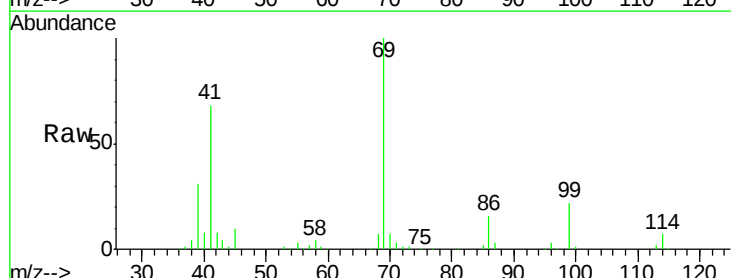
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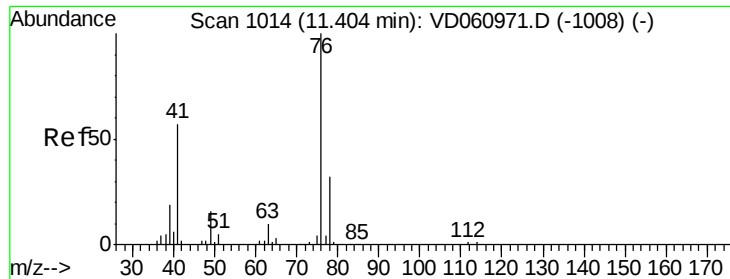
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#56
 Ethyl methacrylate
 Concen: 48.385 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Tgt Ion:	69	Resp:	314448
Ion	Ratio	Lower	Upper
69	100		
41	68.3	55.5	83.3
39	30.8	26.2	39.2





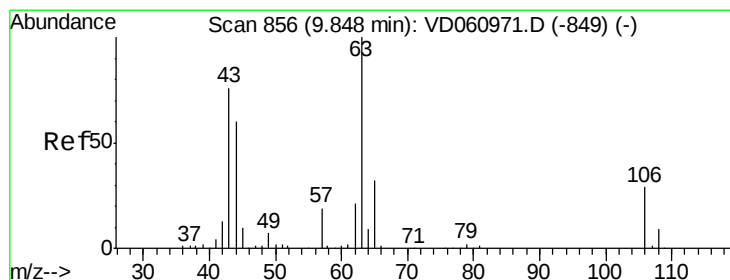
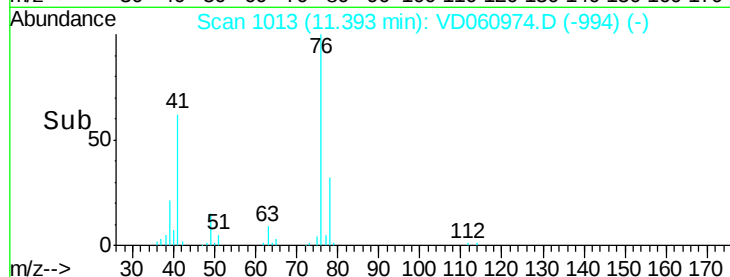
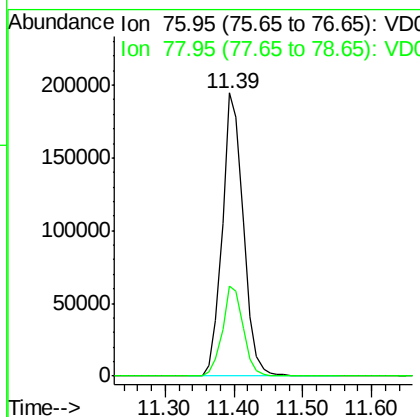
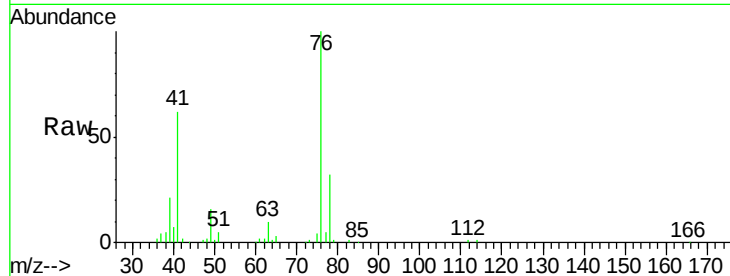
#57
 1,3-Dichloropropane
 Concen: 44.336 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030719

Tot Ion: 76 Resp: 411364
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.4 38.0

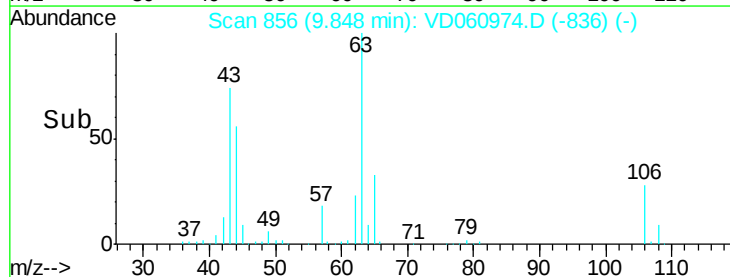
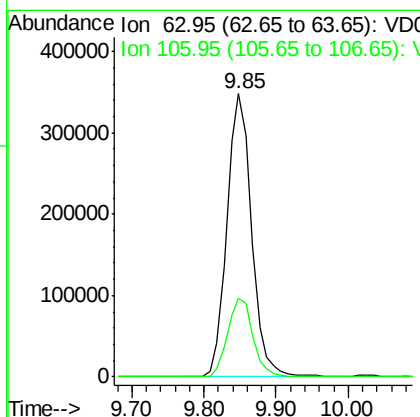
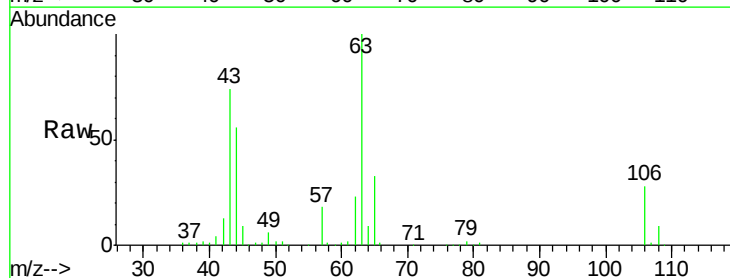
Manual Integrations
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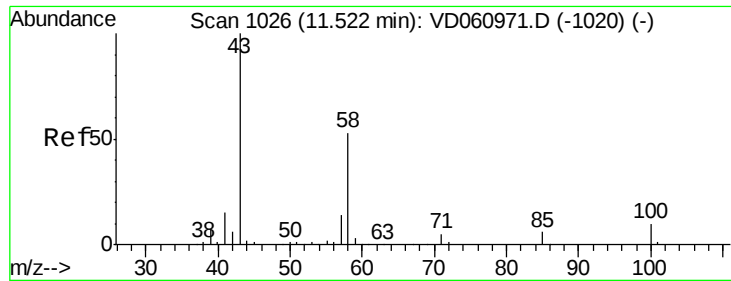
MMDadoda
 3/8/2019 9:46:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 240.656 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Tgt Ion: 63 Resp: 827851
 Ion Ratio Lower Upper
 63 100
 106 27.7 22.8 34.2





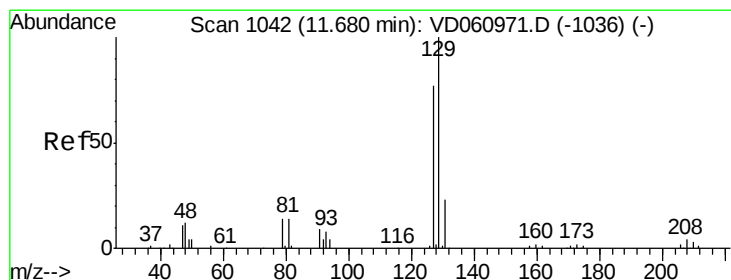
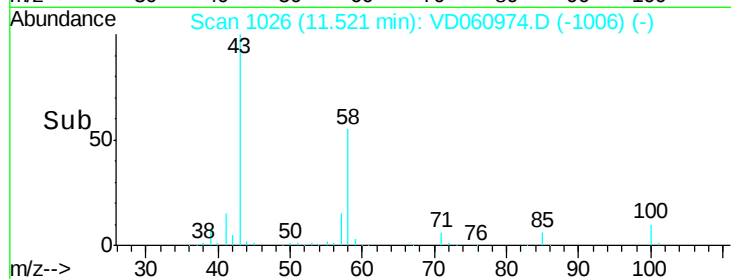
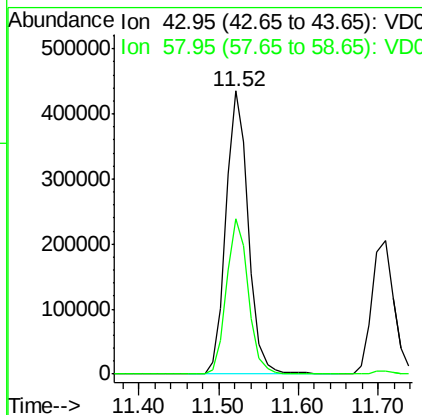
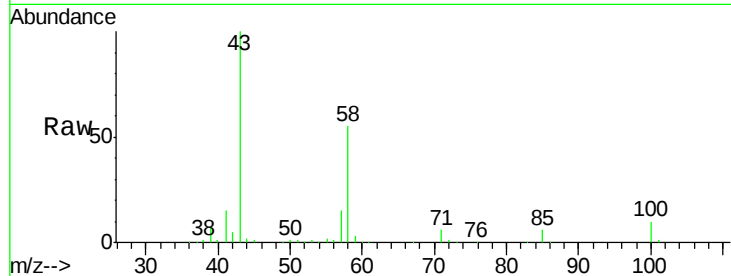
#59
2-Hexanone
Concen: 246.411 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tot Ion: 43 Resp: 861157
Ion Ratio Lower Upper
43 100
58 55.1 26.5 79.5

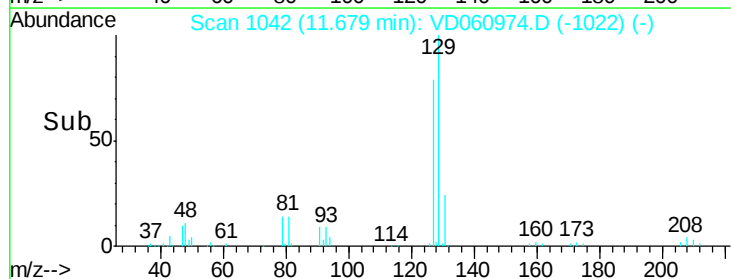
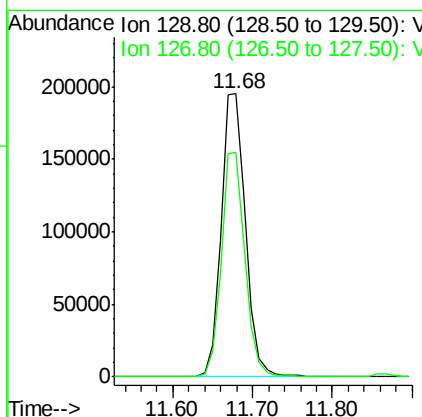
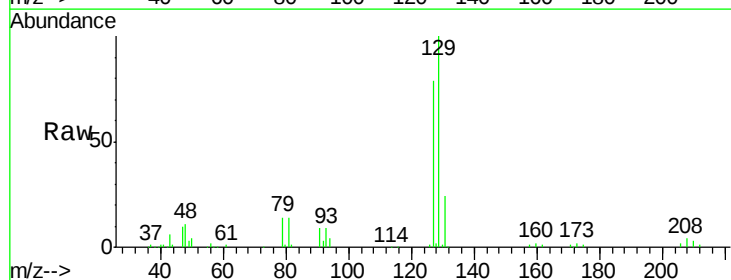
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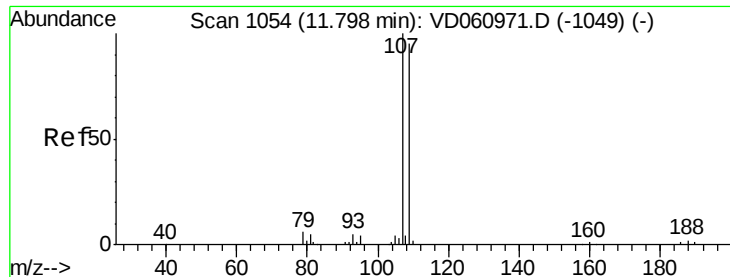
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#60
Dibromochloromethane
Concen: 45.796 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion: 129 Resp: 418462
Ion Ratio Lower Upper
129 100
127 79.4 38.3 114.9





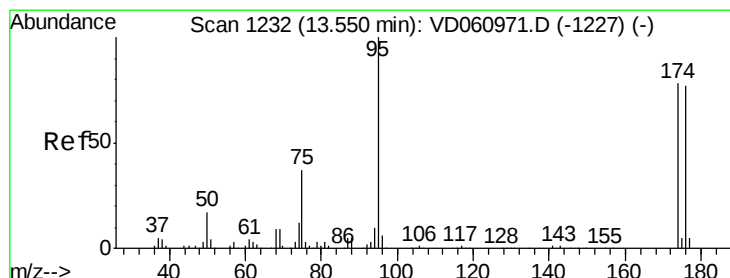
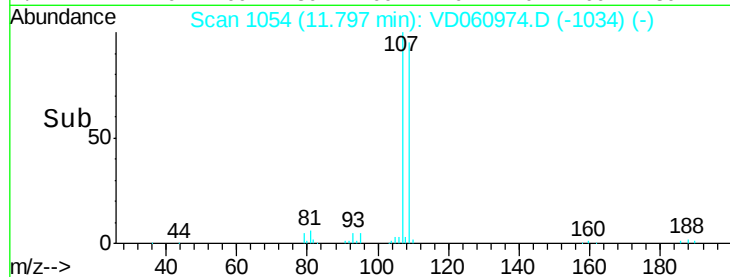
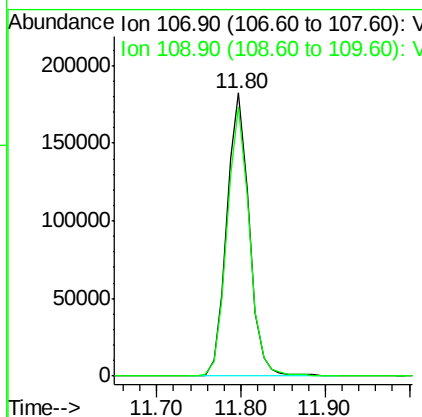
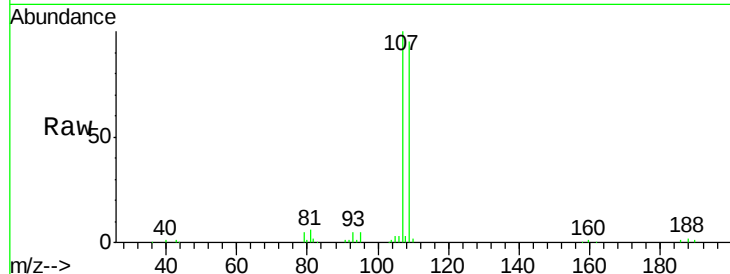
#61
 1,2-Dibromoethane
 Concen: 46.592 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030719

Tot Ion: 107 Resp: 336513
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.6 113.4

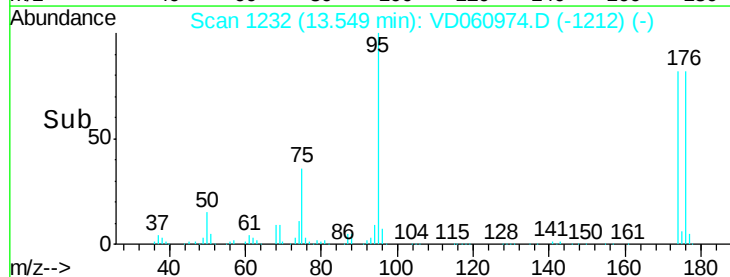
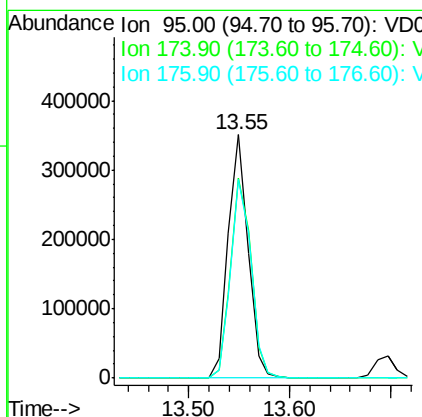
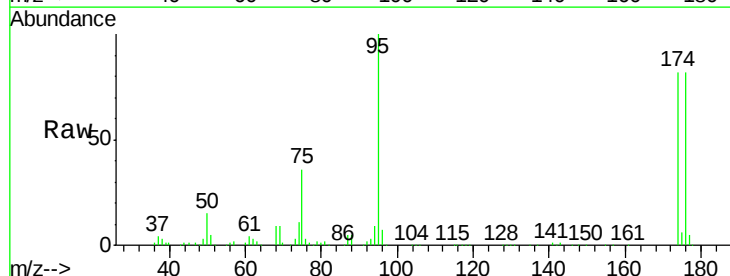
Manual Integrations
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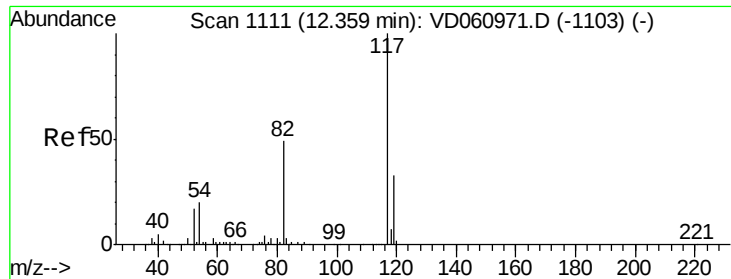
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 46.592 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Tgt Ion: 95 Resp: 480955
 Ion Ratio Lower Upper
 95 100
 174 82.2 0.0 155.6
 176 81.8 0.0 153.8





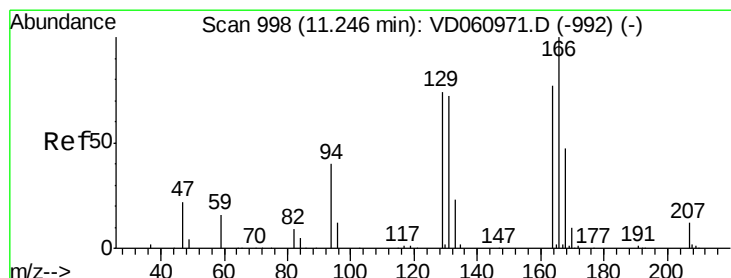
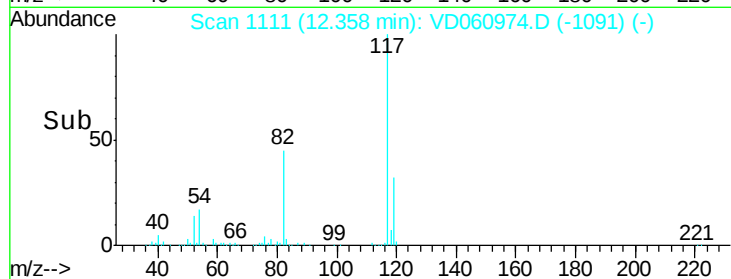
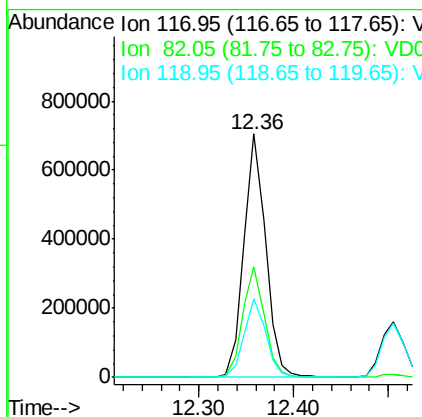
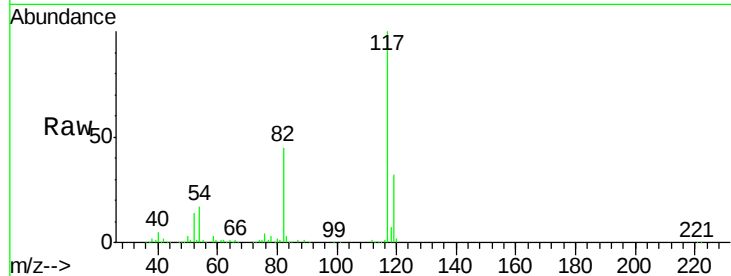
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tot Ion	Ratio	Lower	Upper
117	100		
82	45.3	38.9	58.3
119	32.4	26.6	39.8

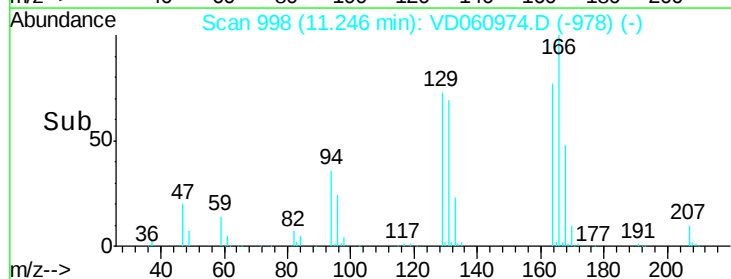
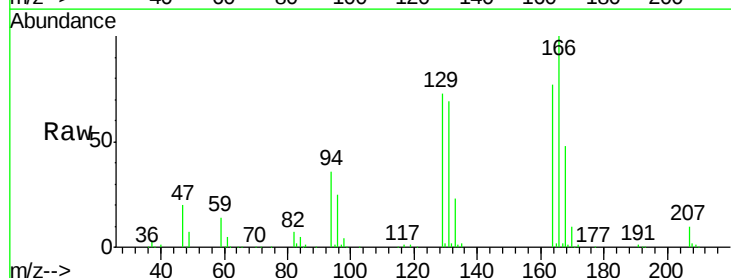
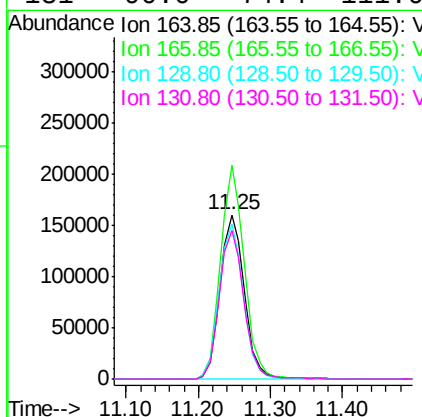
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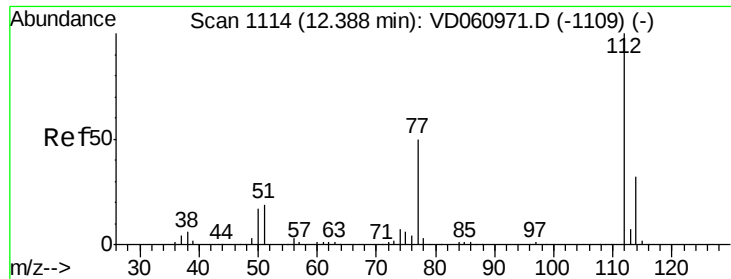
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#64
Tetrachloroethene
Concen: 49.009 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	103.4	155.0
129	94.4	76.9	115.3
131	90.0	74.4	111.6





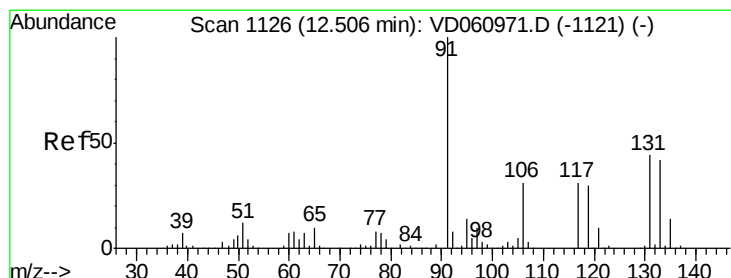
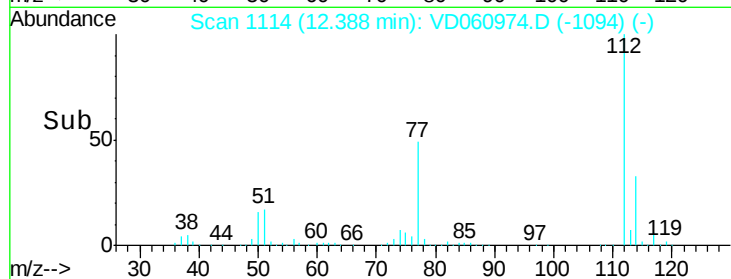
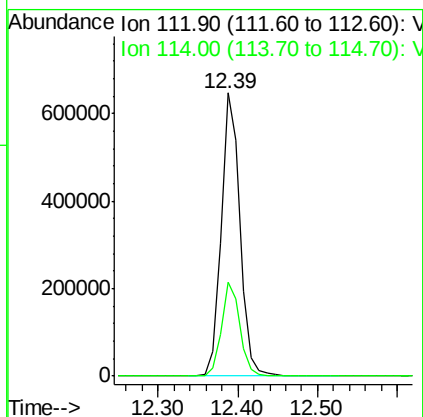
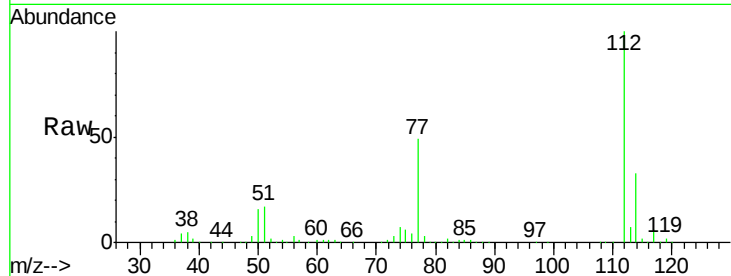
#65
Chlorobenzene
Concen: 48.412 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tot Ion:112 Resp: 1072616
Ion Ratio Lower Upper
112 100
114 33.3 26.0 39.0

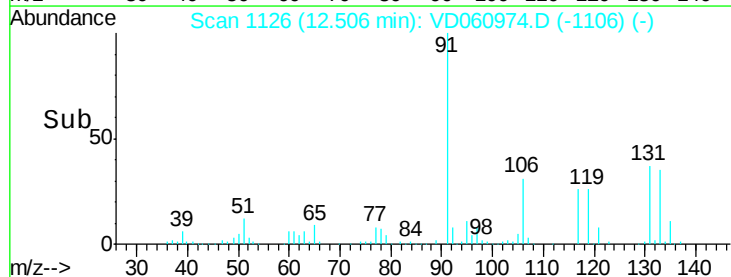
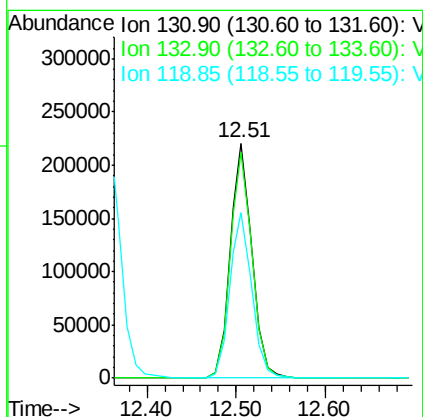
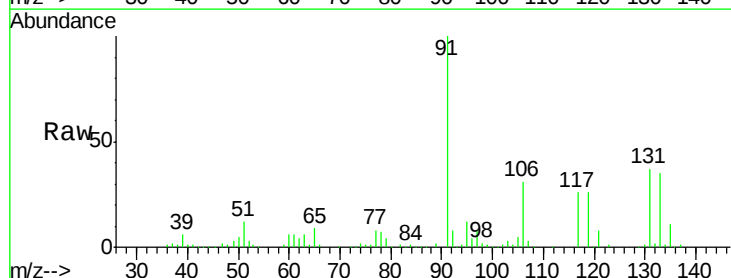
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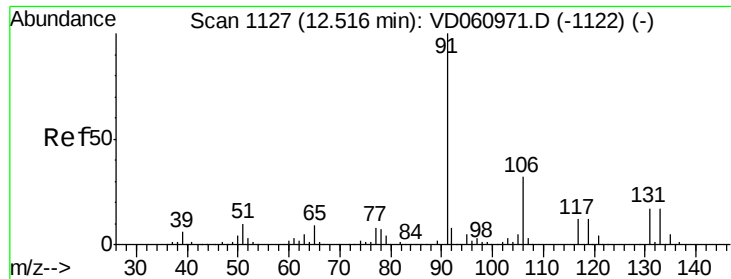
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.816 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion:131 Resp: 377633
Ion Ratio Lower Upper
131 100
133 95.7 47.8 143.3
119 70.3 34.3 102.9





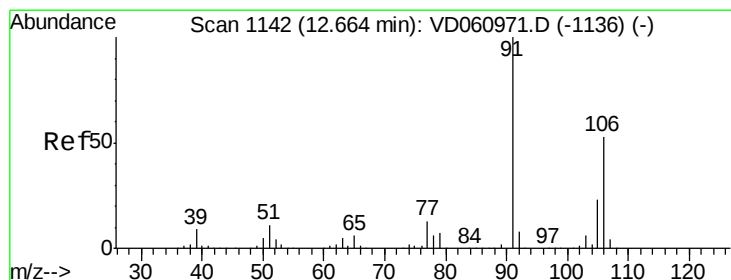
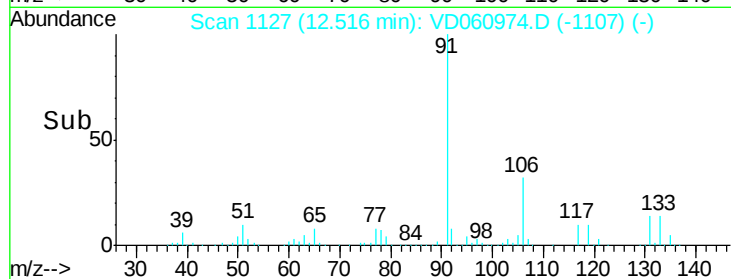
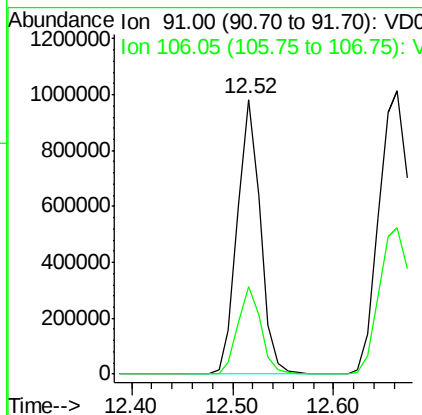
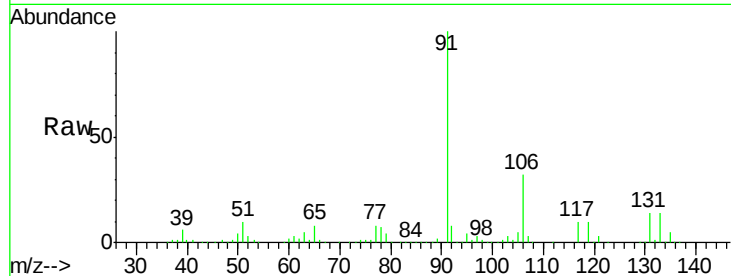
#67
Ethyl Benzene
Concen: 47.207 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tot Ion: 91 Resp: 1557137
Ion Ratio Lower Upper
91 100
106 32.1 25.7 38.5

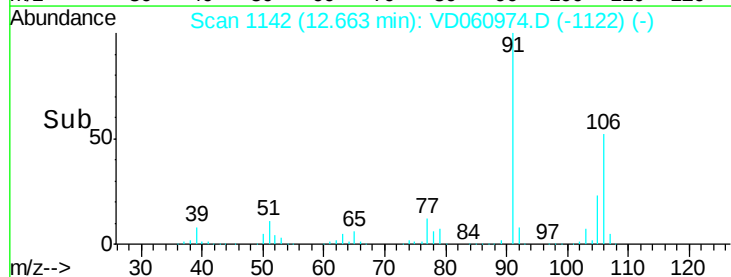
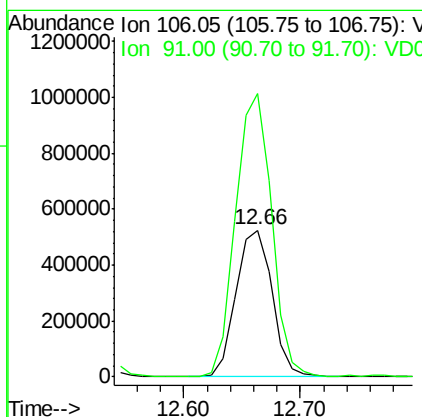
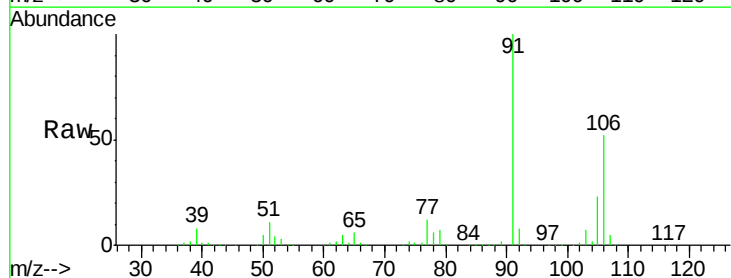
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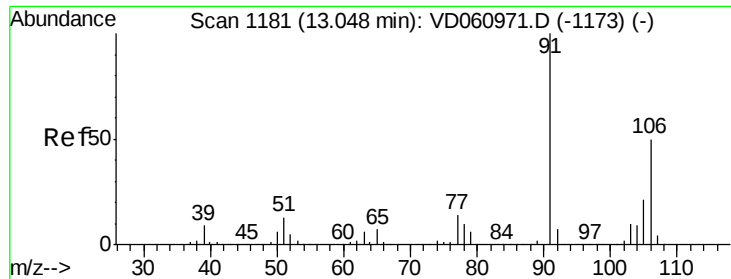
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#68
m/p-Xylenes
Concen: 87.002 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion: 106 Resp: 1126367
Ion Ratio Lower Upper
106 100
91 192.8 152.0 228.0





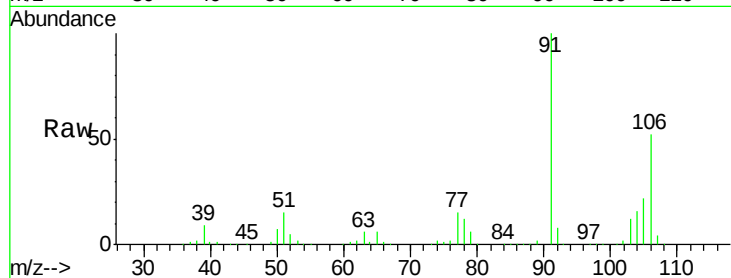
#69
o-Xylene
Concen: 48.325 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

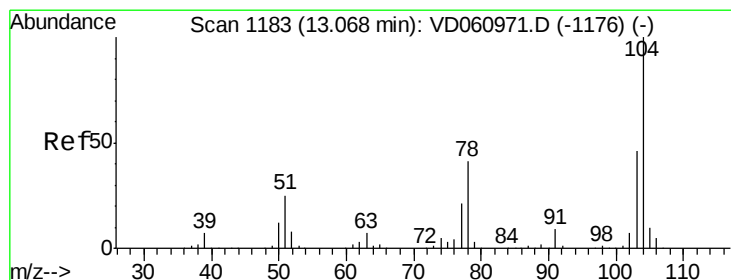
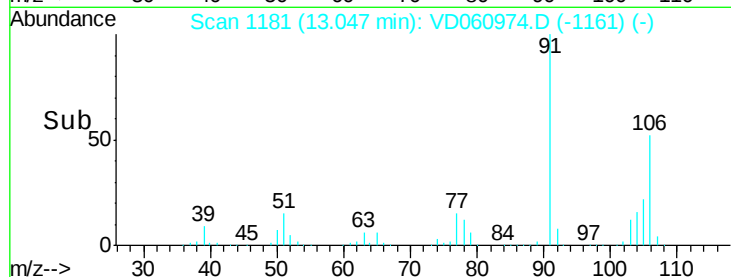
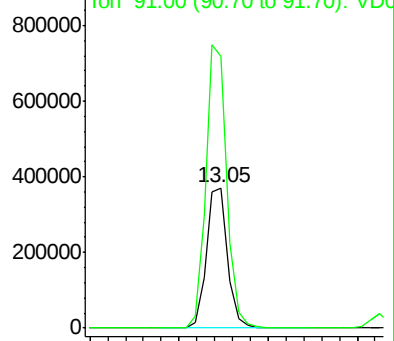
Tot Ion:106 Resp: 614980
Ion Ratio Lower Upper
106 100
91 193.8 99.8 299.3

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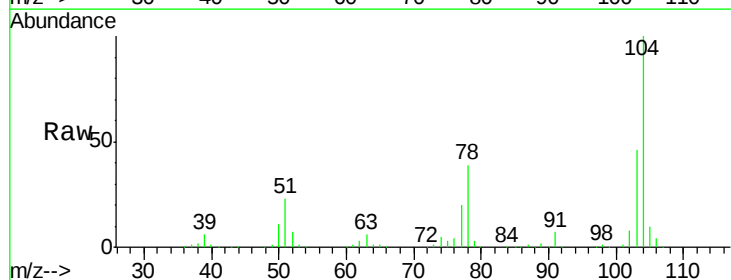


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

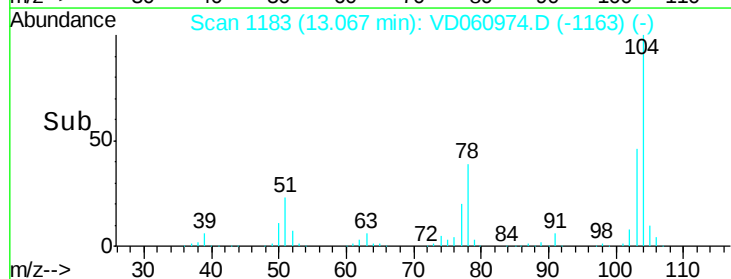
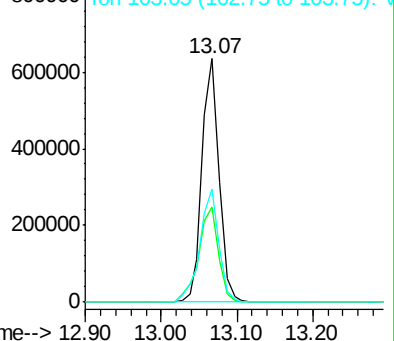


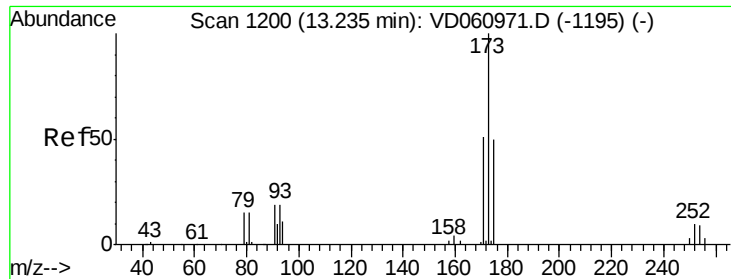
#70
Styrene
Concen: 47.271 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion:104 Resp: 982296
Ion Ratio Lower Upper
104 100
78 39.3 33.0 49.4
103 46.2 37.1 55.7



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 46.608 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

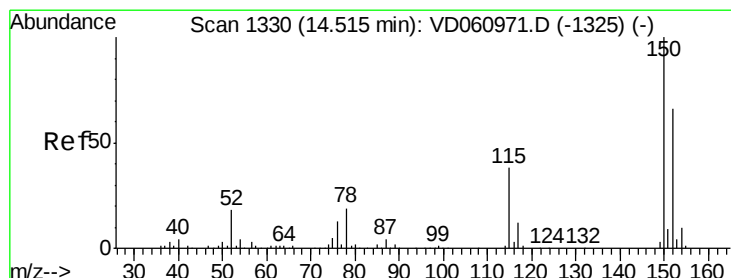
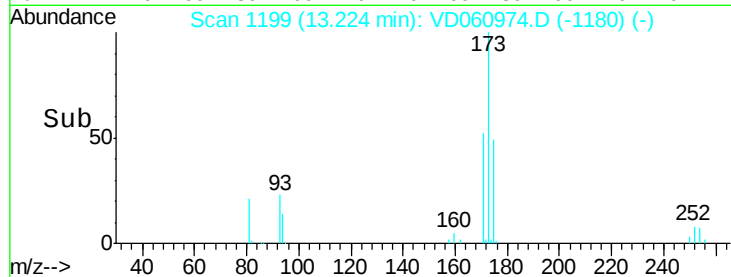
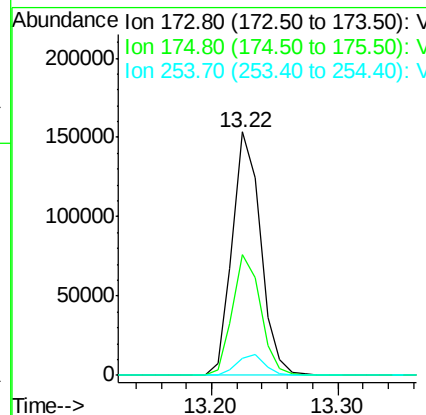
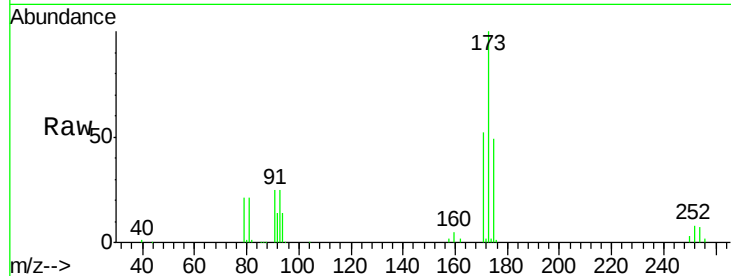
ClientSampleId :

ICVVD030719

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.9	74.8
254	7.1	7.3	10.9

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

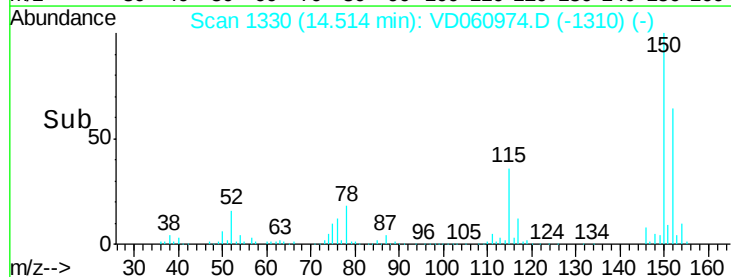
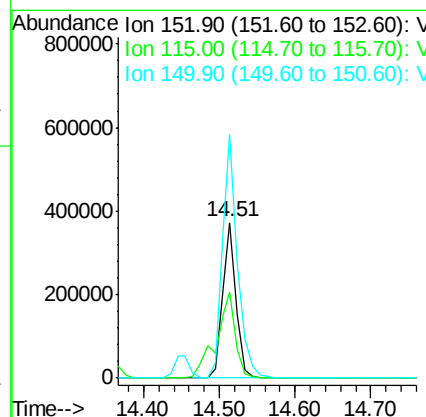
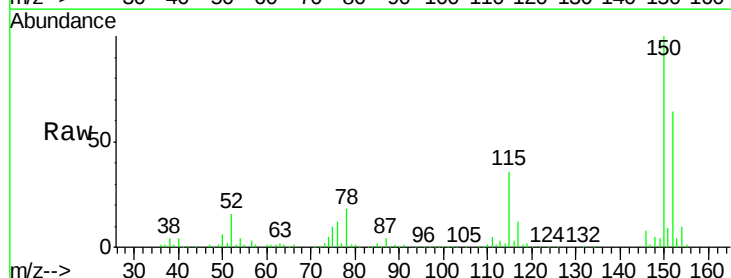
RT: 14.51 min Scan# 1330

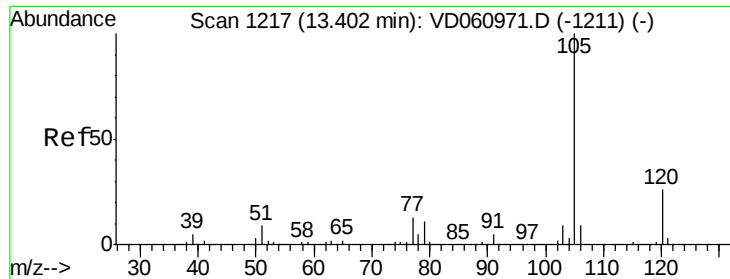
Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.6	85.9
150	156.5	0.0	310.6





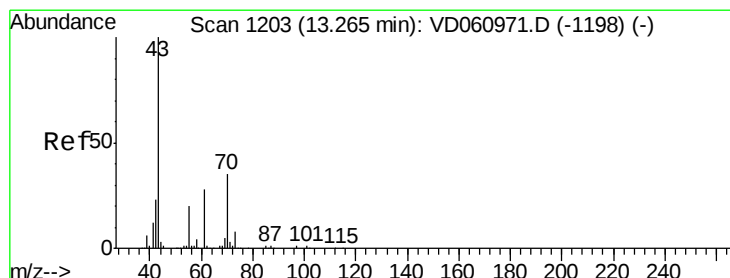
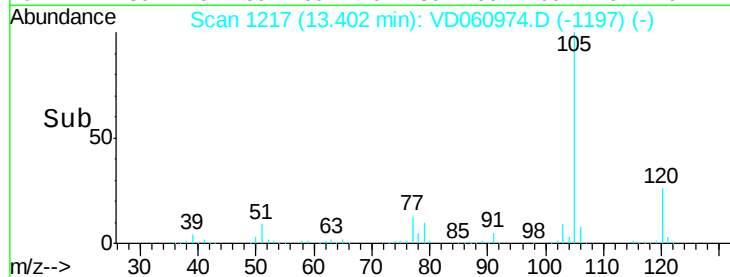
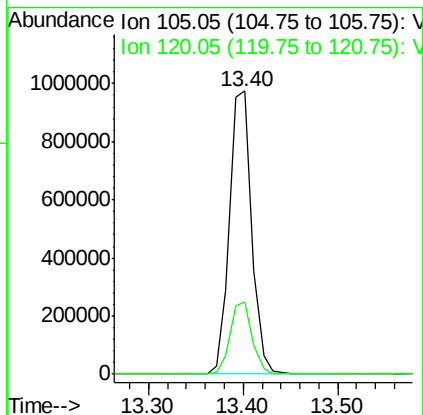
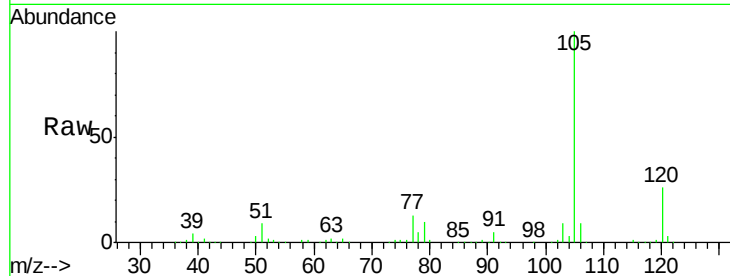
#73
Isopropylbenzene
Concen: 46.719 ug/l
RT: 13.40 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tot Ion:105 Resp: 1582824
Ion Ratio Lower Upper
105 100
120 25.7 12.8 38.4

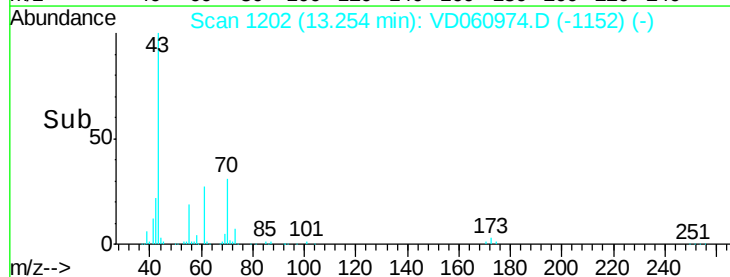
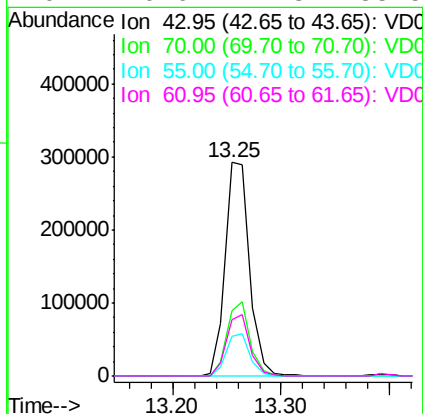
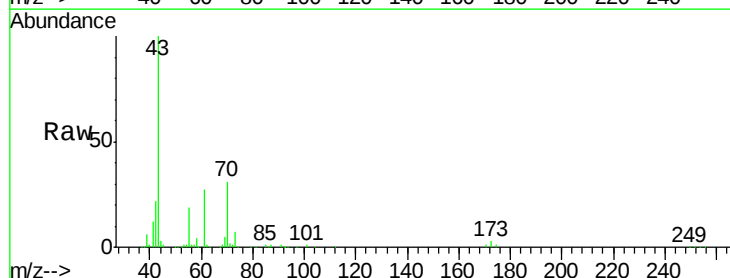
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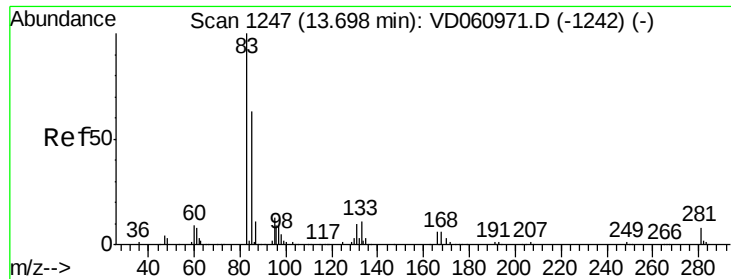
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#74
N-ethyl acetate
Concen: 48.038 ug/l
RT: 13.25 min Scan# 1202
Delta R.T. -0.01 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion: 43 Resp: 458264
Ion Ratio Lower Upper
43 100
70 30.5 27.7 41.5
55 18.7 16.2 24.2
61 26.6 22.3 33.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.819 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

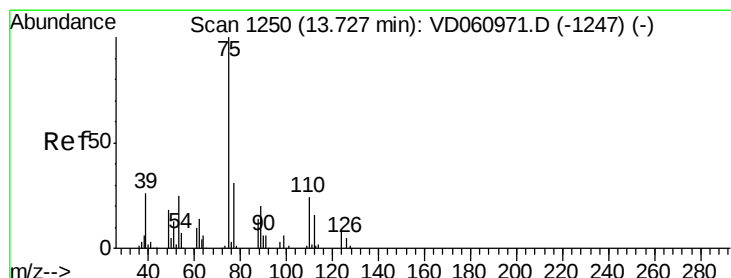
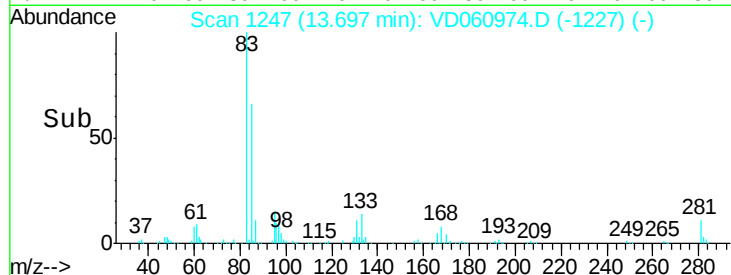
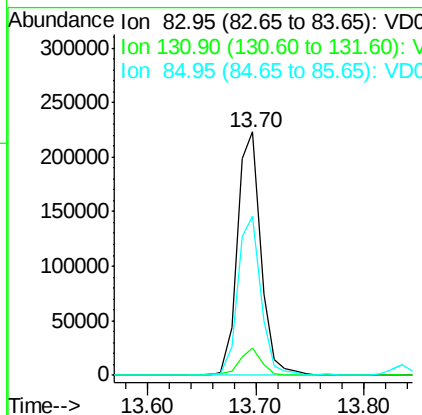
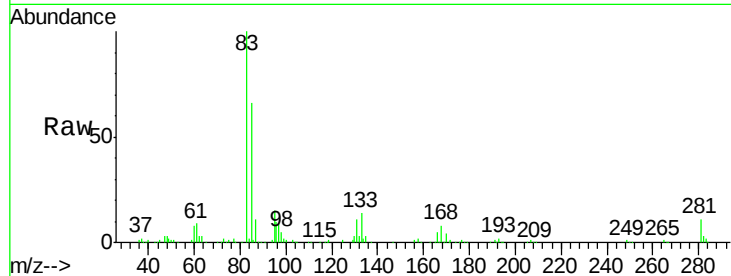
ClientSampleId :

ICVVD030719

Tot Ion:	83	Resp:	335919
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.1	15.3
85	65.6	31.5	94.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.742 ug/l

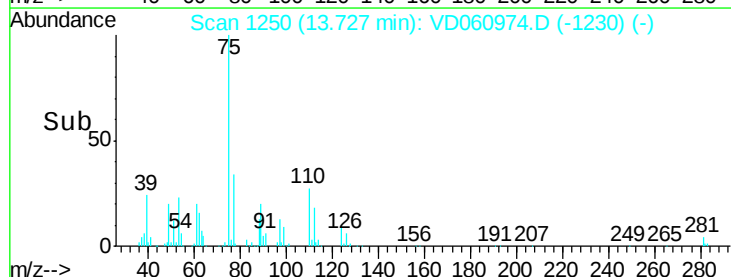
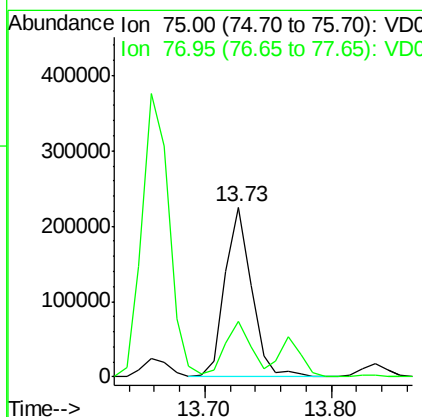
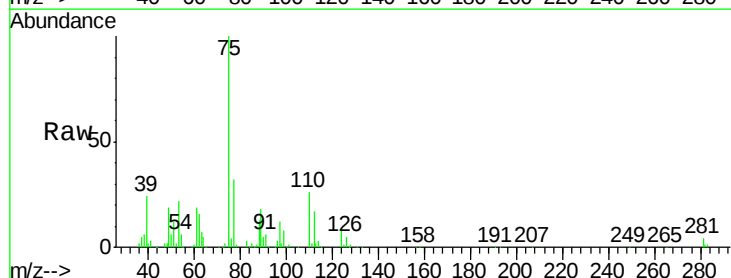
RT: 13.73 min Scan# 1250

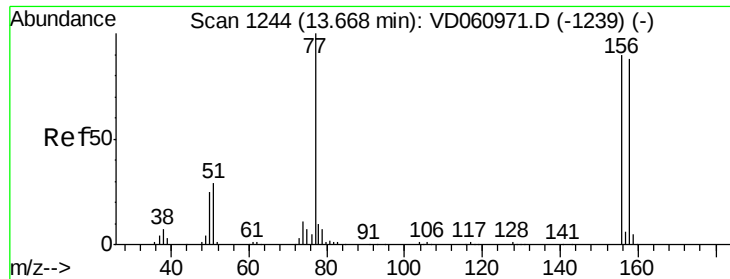
Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Tgt Ion:	75	Resp:	329659
Ion Ratio	Lower	Upper	
75	100		
77	32.5	16.6	49.7





#77

Bromobenzene

Concen: 50.193 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

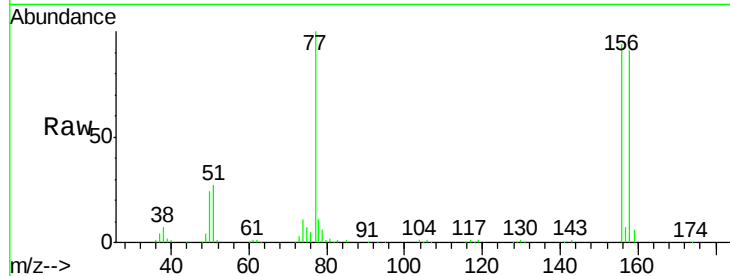
ClientSampleId :

ICVVD030719

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	105.9	55.5	166.7	
158	96.2	49.0	147.0	

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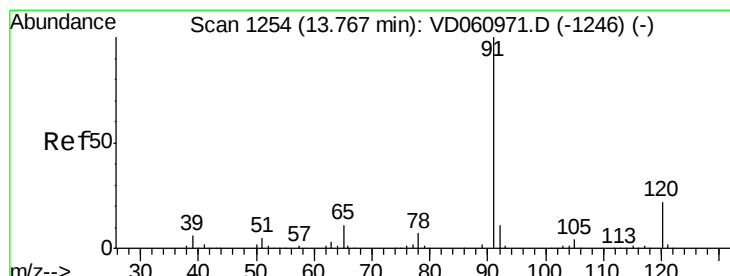
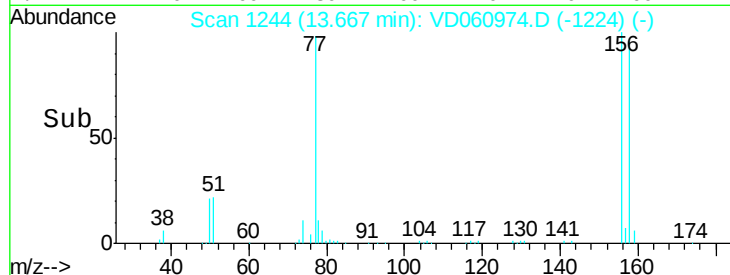
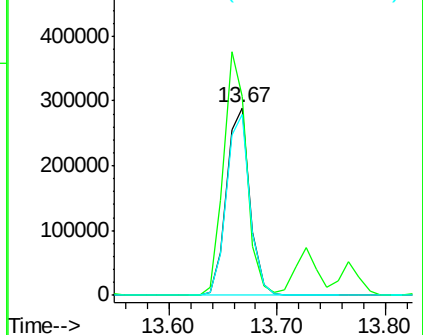
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 47.099 ug/l

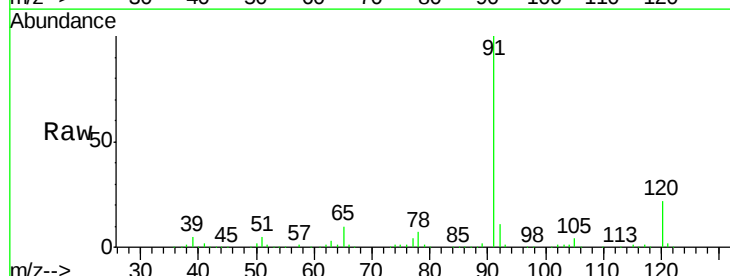
RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD060974.D

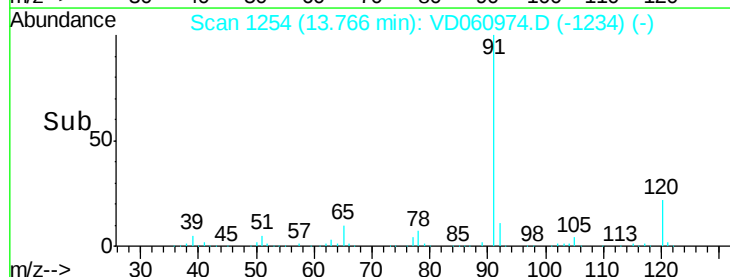
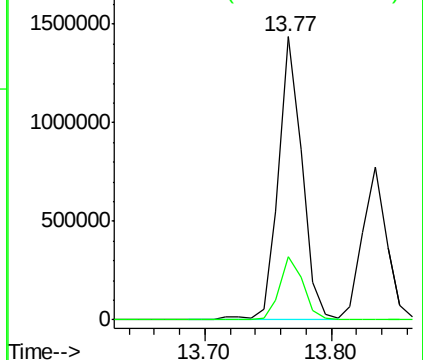
Acq: 7 Mar 2019 18:21

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.3	10.8	32.3	



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 46.838 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030719

Tot Ion: 91 Resp: 1022759

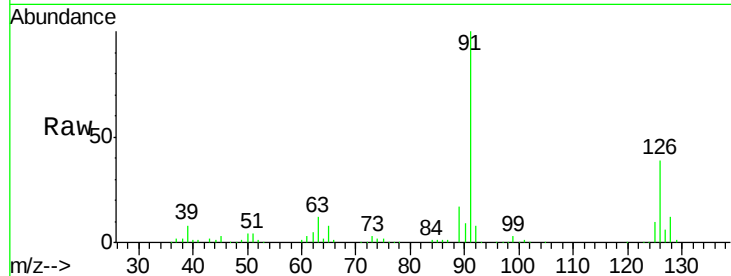
Ion Ratio Lower Upper

91 100

126 38.6 18.6 55.6

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VD060971.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD060971.D (-1258) (-)

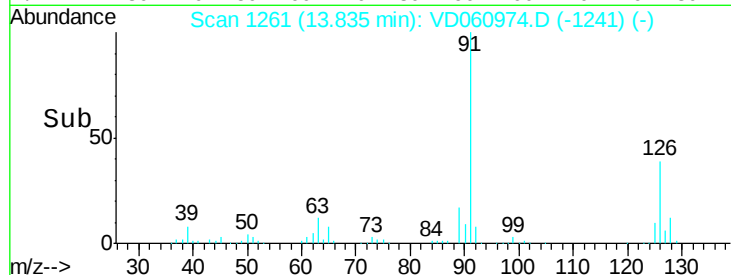
1500000

1000000

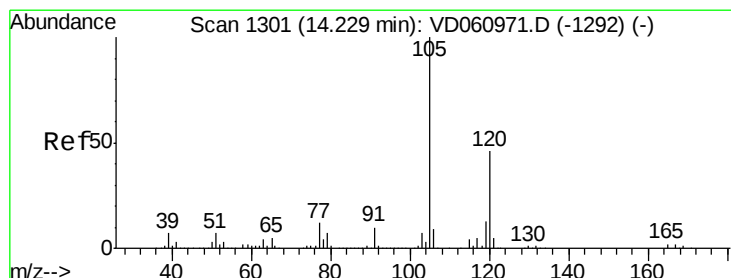
500000

0

13.80 13.85 13.90



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 44.971 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD060974.D

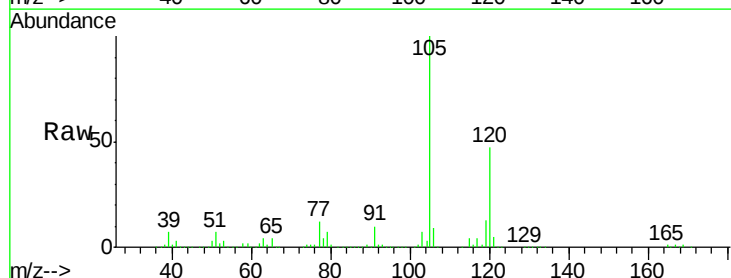
Acq: 7 Mar 2019 18:21

Tgt Ion: 105 Resp: 1156653

Ion Ratio Lower Upper

105 100

120 47.0 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): VD060971.D (-1292) (-)

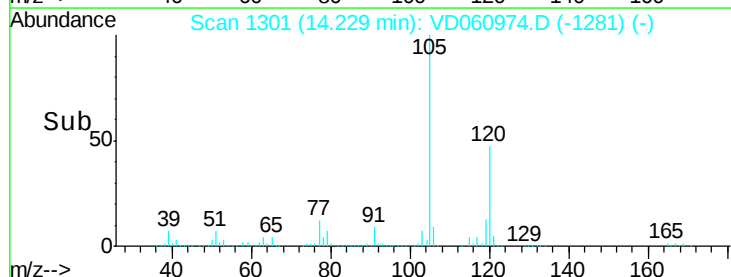
Ion 120.05 (119.75 to 120.75): VD060971.D (-1292) (-)

1000000

500000

0

14.10 14.20 14.30



Time-->



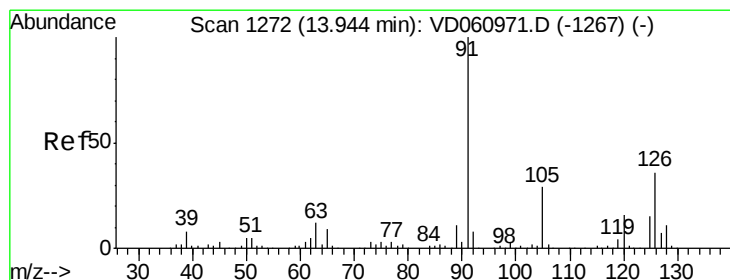
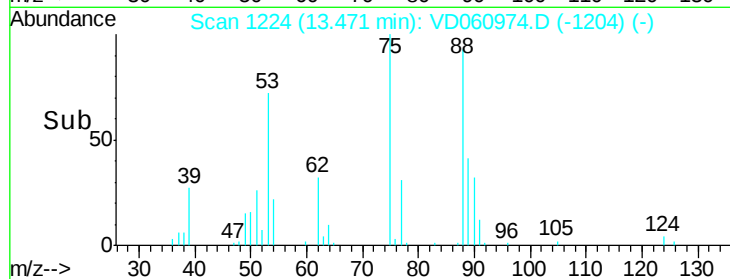
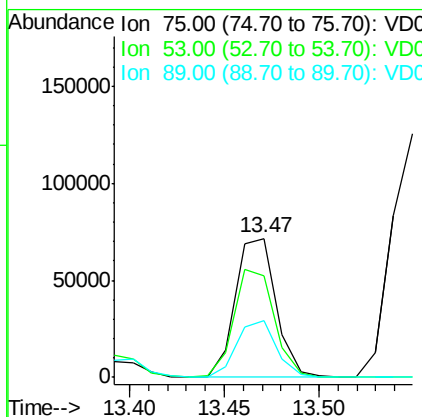
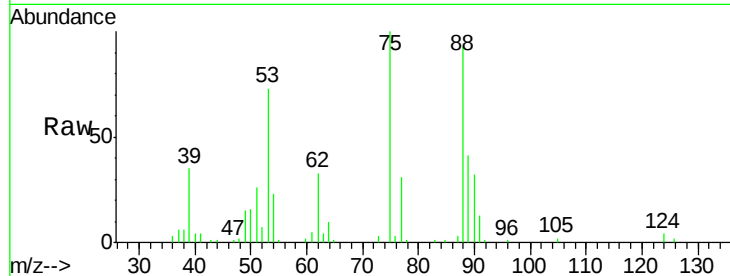
#81
trans-1,4-Dichloro-2-butene
Concen: 53.730 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tot Ion	Ratio	Lower	Upper
75	100		
53	73.3	64.4	96.6
89	41.1	34.8	52.2

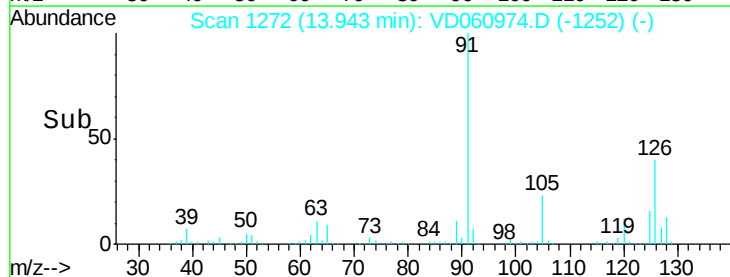
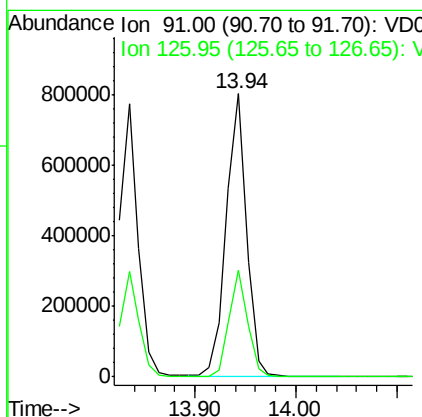
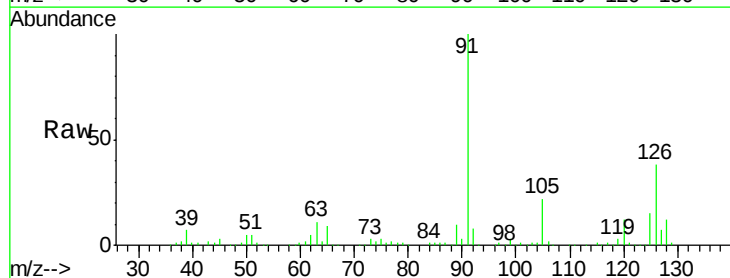
Manual Integrations
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#82
4-Chlorotoluene
Concen: 43.451 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.7	18.0	54.0





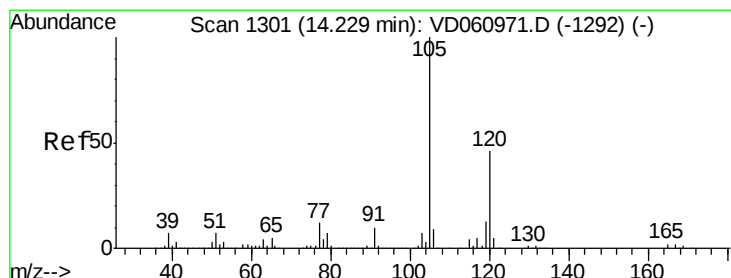
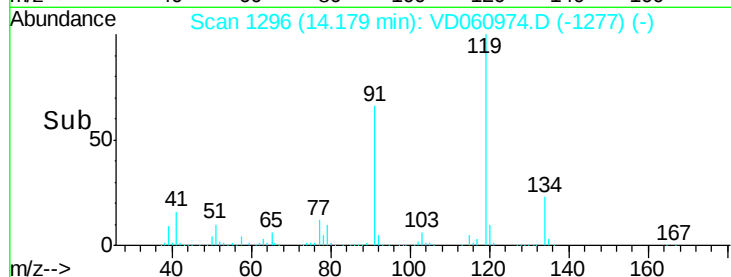
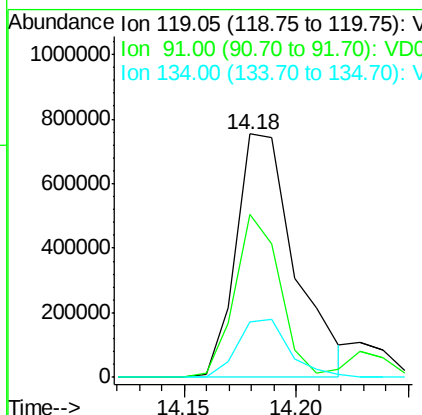
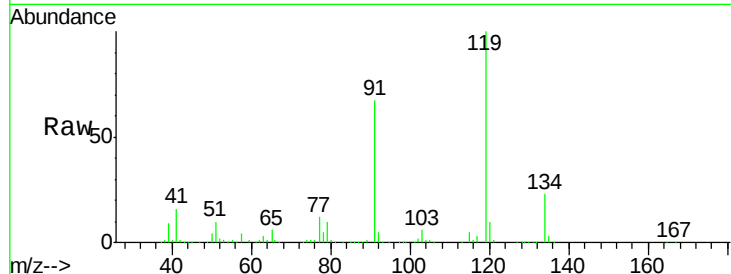
#83
tert-Butylbenzene
Concen: 49.090 ug/l m
RT: 14.18 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tot Ion:119 Resp: 1381780
Ion Ratio Lower Upper
119 100
91 66.8 30.1 90.3
134 23.0 11.6 34.7

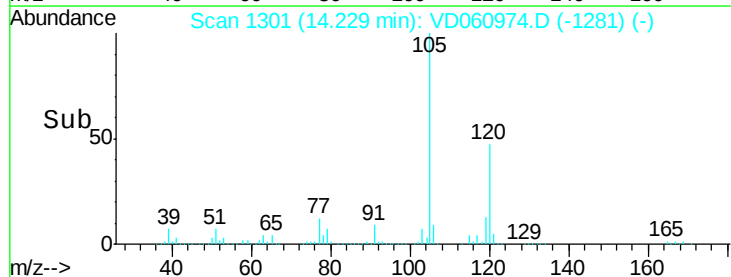
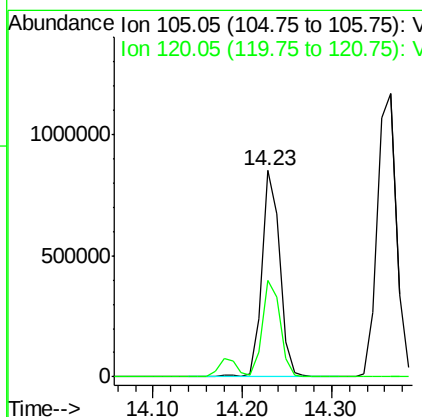
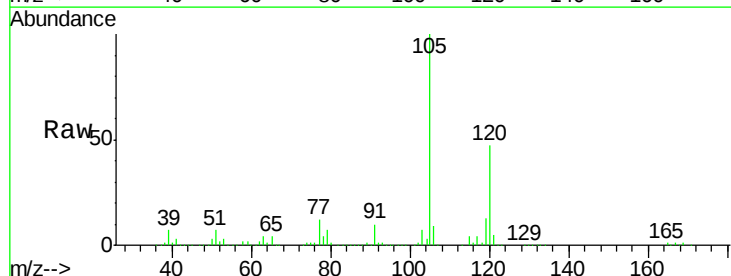
Manual Integrations
APPROVED

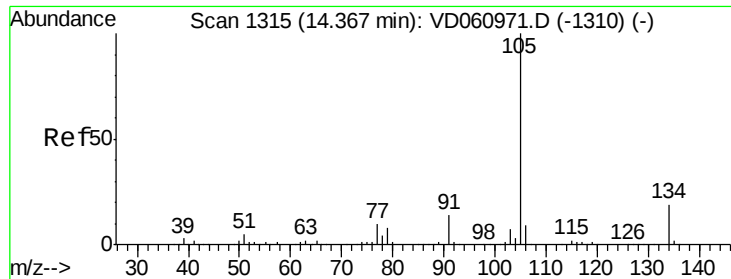
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 44.971 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion:105 Resp: 1156653
Ion Ratio Lower Upper
105 100
120 47.0 22.9 68.5





#85

sec-Butylbenzene

Concen: 49.911 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030719

Tot Ion:105 Resp: 1715086

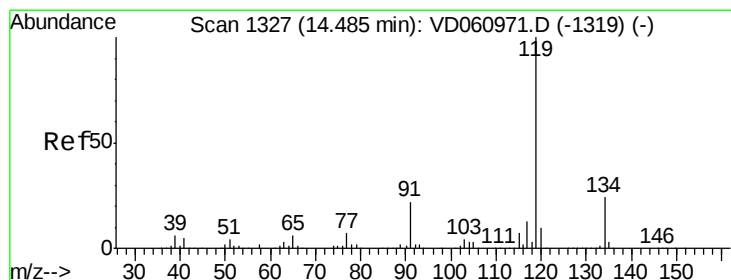
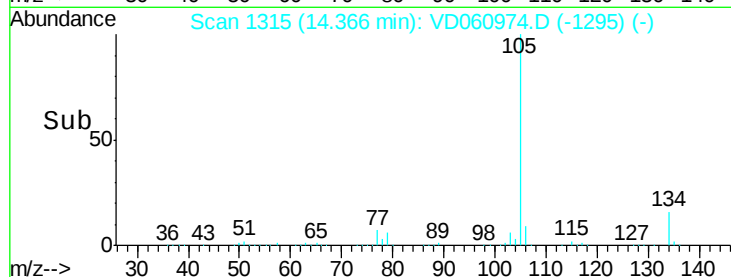
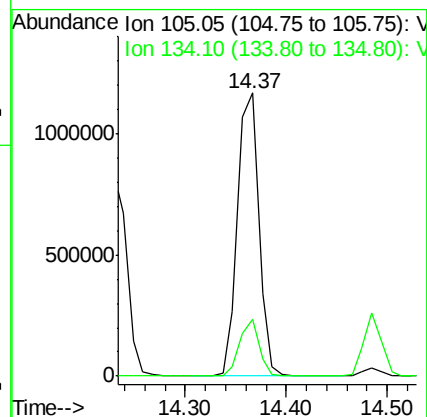
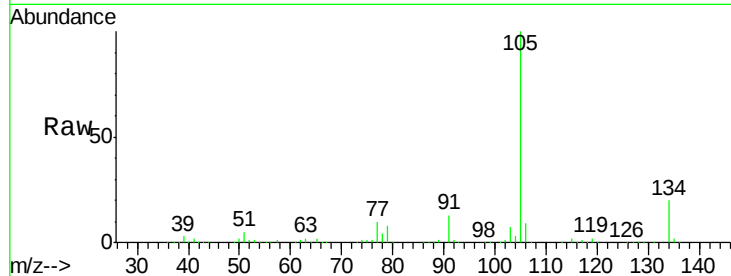
Ion Ratio Lower Upper

105 100

134 19.9 9.4 28.2

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 47.799 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

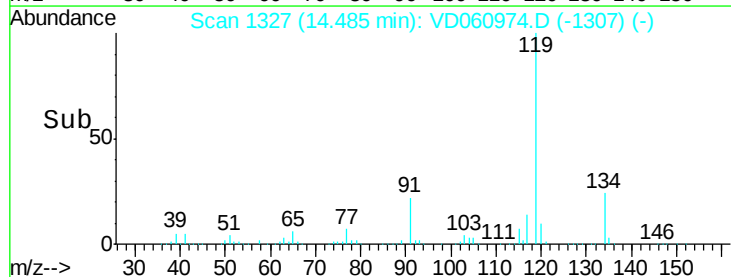
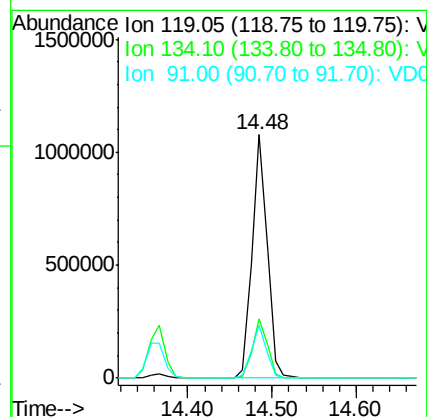
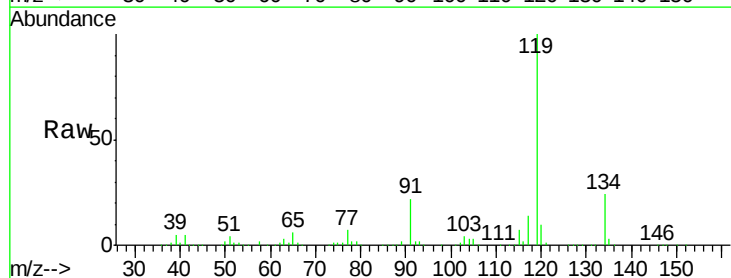
Tgt Ion:119 Resp: 1342597

Ion Ratio Lower Upper

119 100

134 24.4 12.0 36.1

91 21.8 11.2 33.6





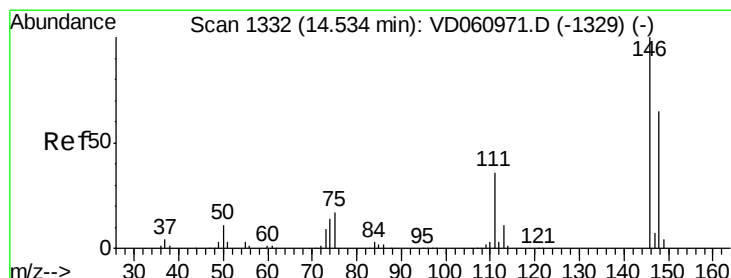
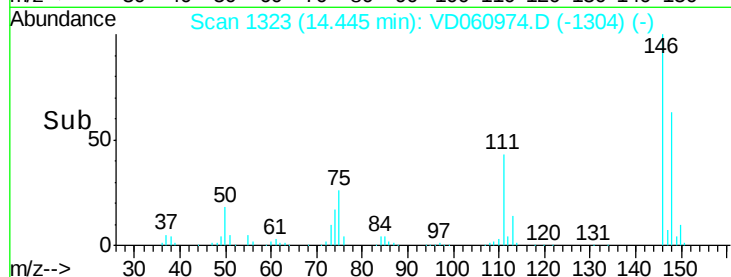
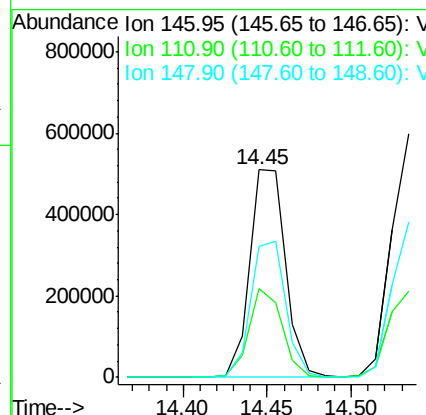
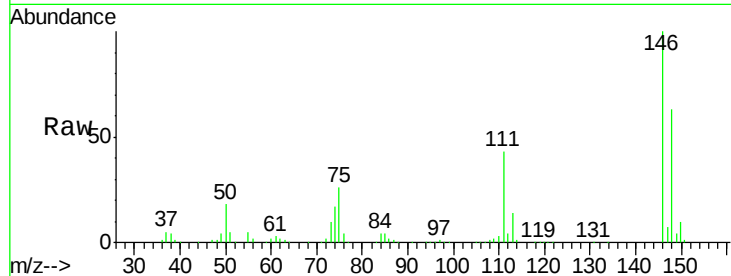
#87
 1,3-Dichlorobenzene
 Concen: 48.870 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030719

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	18.4	55.4
148	63.2	32.5	97.4

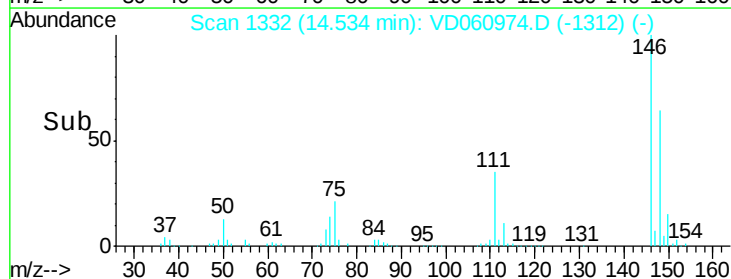
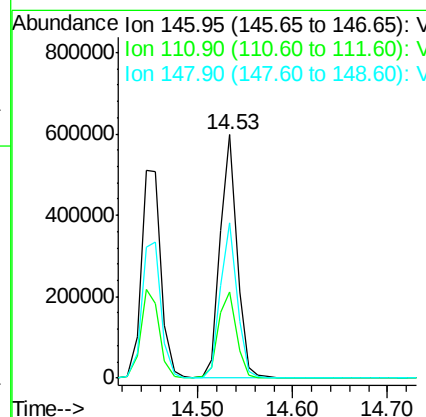
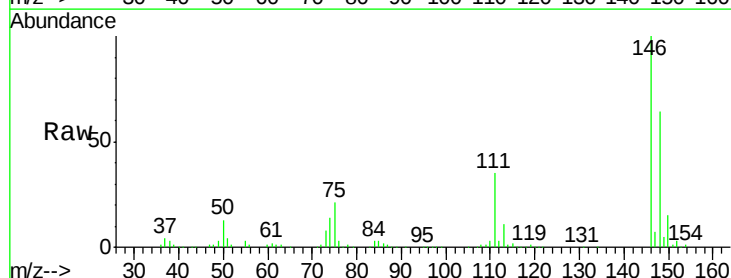
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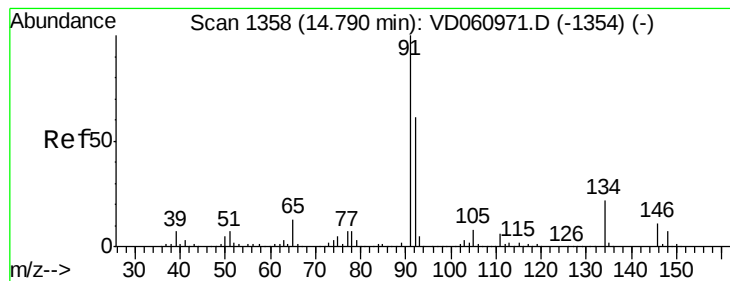
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#88
 1,4-Dichlorobenzene
 Concen: 49.031 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.4	55.2
148	63.7	32.5	97.5





#89

n-Butylbenzene

Concen: 45.249 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030719

Tot Ion: 91 Resp: 1220537

Ion Ratio Lower Upper

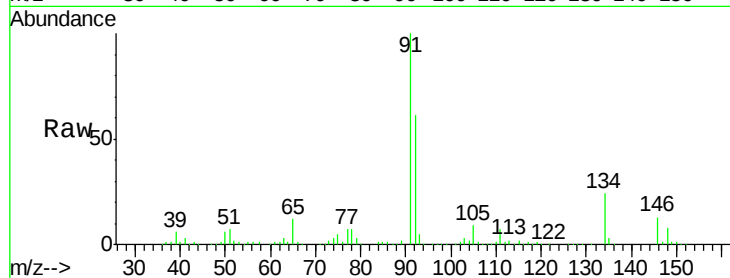
91 100

92 61.5 30.6 91.8

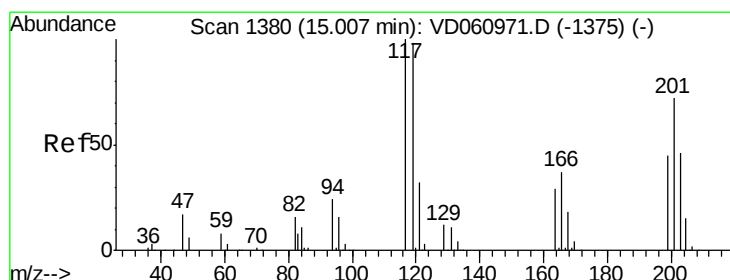
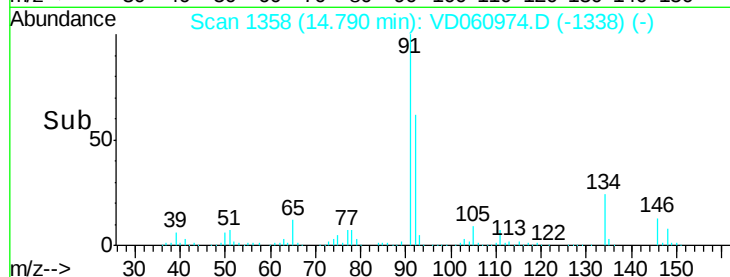
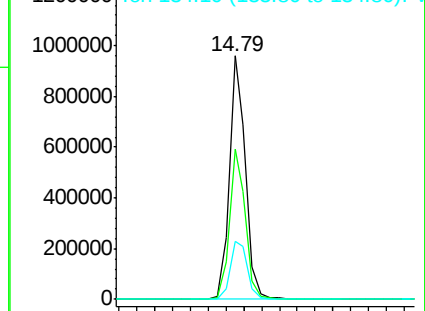
134 24.1 11.0 33.0

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 49.248 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD060974.D

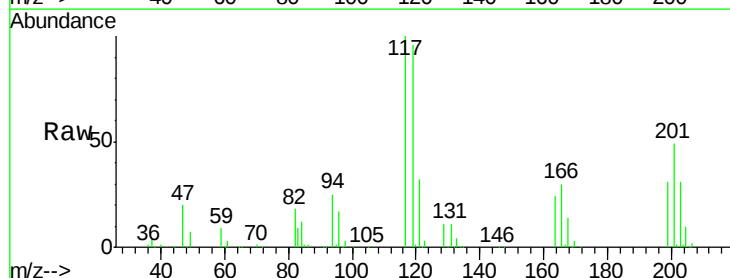
Acq: 7 Mar 2019 18:21

Tgt Ion: 117 Resp: 390599

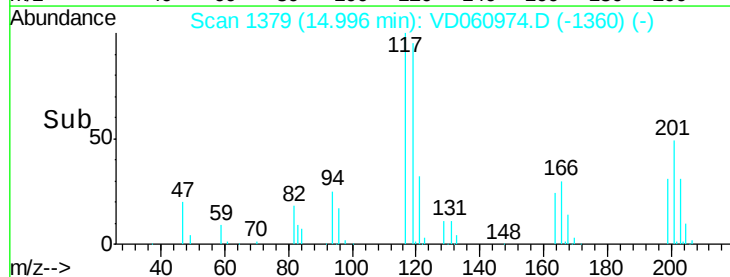
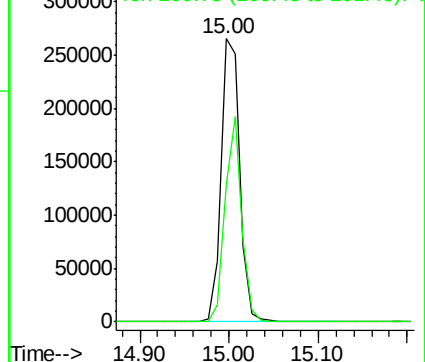
Ion Ratio Lower Upper

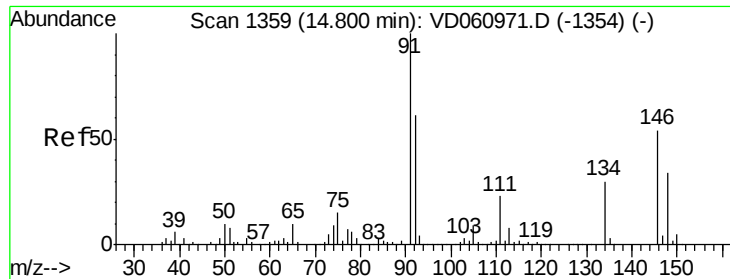
117 100

201 48.6 36.2 108.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





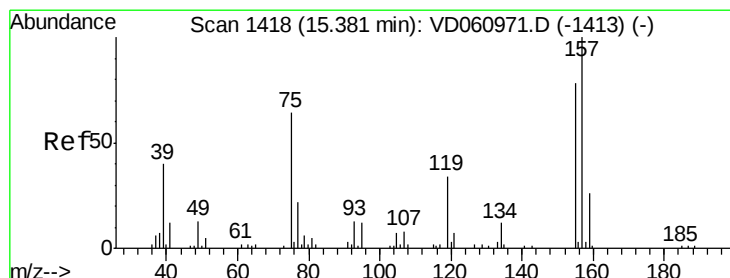
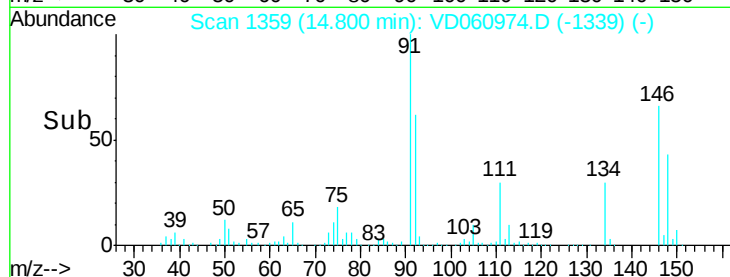
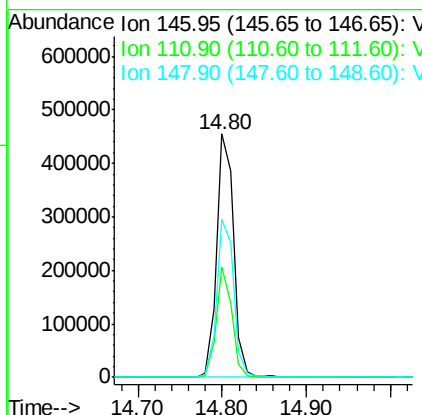
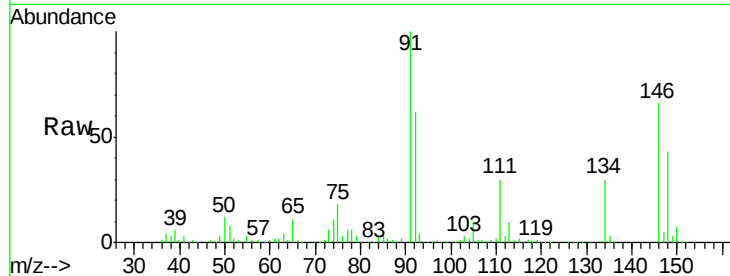
#91
 1,2-Dichlorobenzene
 Concen: 49.291 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030719

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	21.5	64.5
148	64.7	30.9	92.8

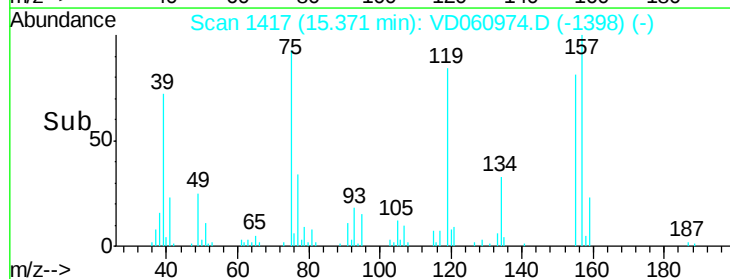
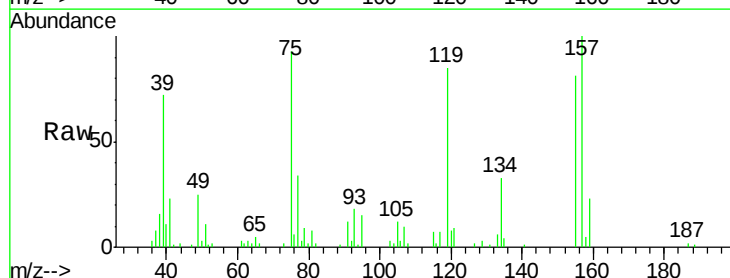
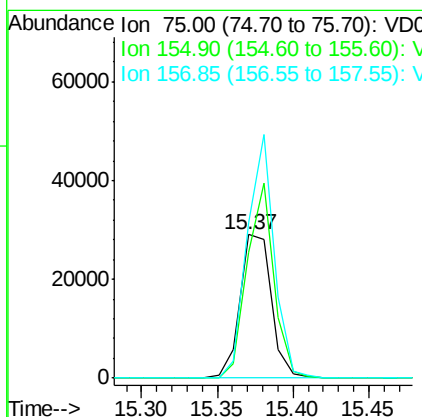
Manual Integrations
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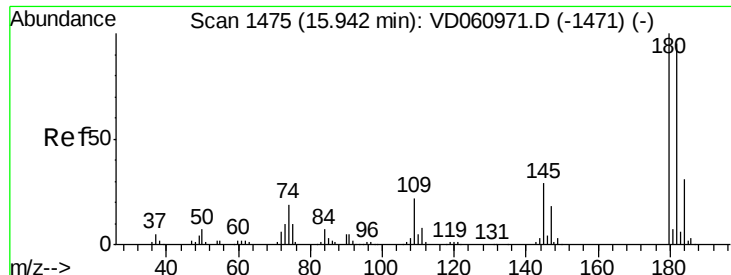
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 3/8/2019 9:46:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.175 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.9	61.2	183.5
157	107.9	78.3	234.8





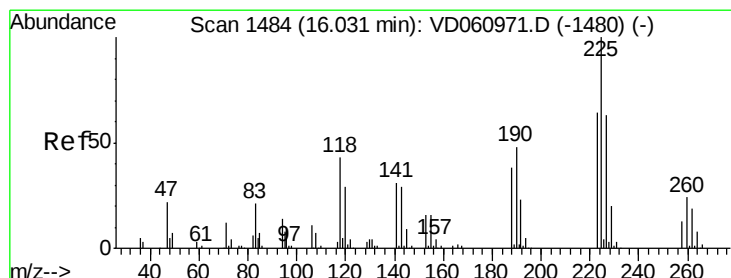
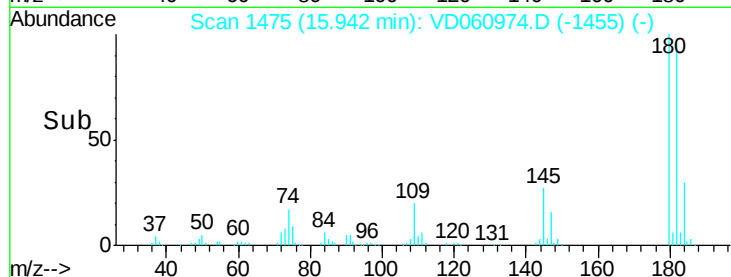
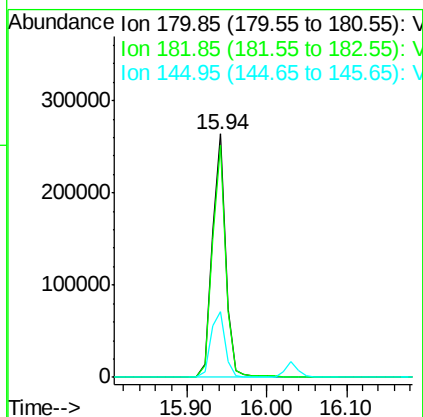
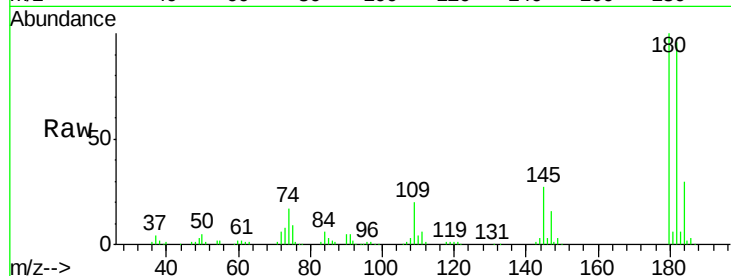
#93
 1,2,4-Trichlorobenzene
 Concen: 52.704 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030719

Tot Ion	Ratio	Resp	Lower	Upper
180	100	314769		
182	95.5	47.3	142.0	
145	27.0	14.4	43.0	

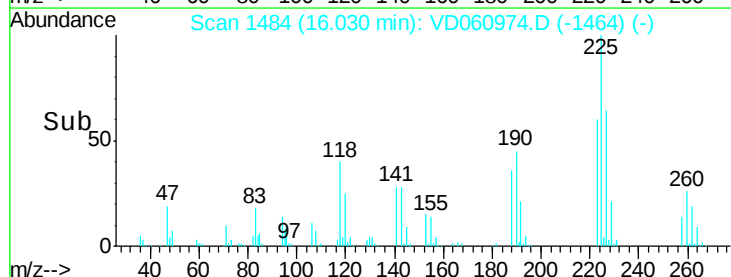
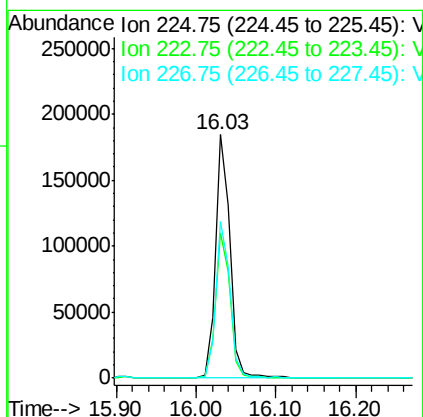
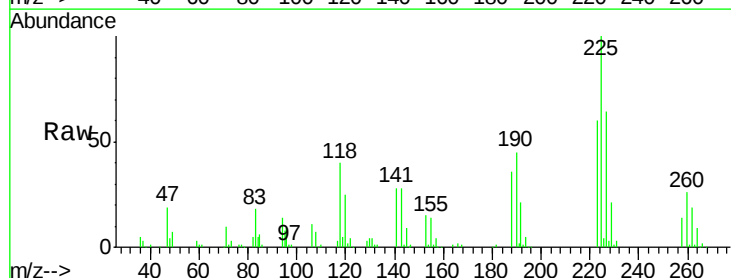
Manual Integrations
 APPROVED

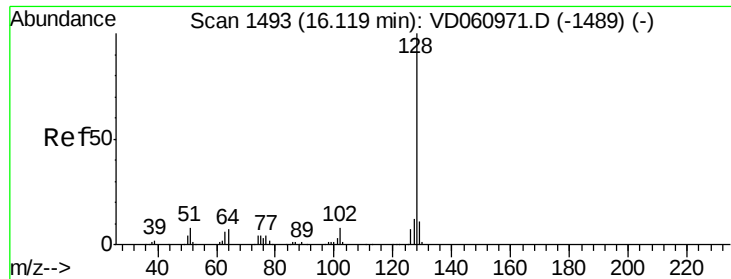
MMDadoda
 3/8/2019 9:46:30 PM



#94
 Hexachlorobutadiene
 Concen: 52.084 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	235286		
223	59.8	31.8	95.3	
227	64.1	31.4	94.0	





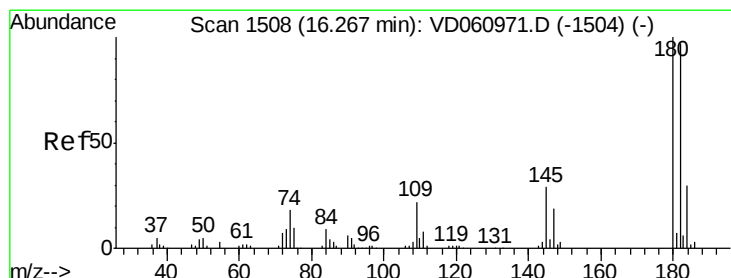
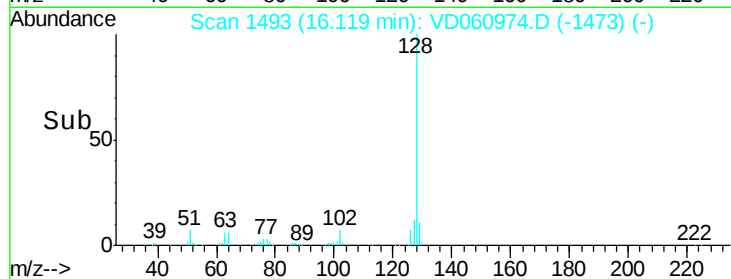
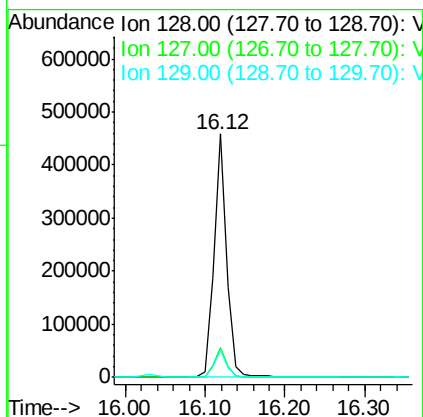
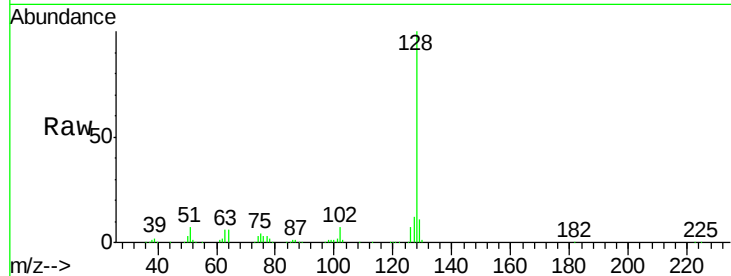
#95
Naphthalene
Concen: 56.454 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tot Ion	Ratio	Resp	Lower	Upper
128	100	512362		
127	12.1		9.8	14.8
129	11.2		8.5	12.7

Manual Integrations
APPROVED

MMDadoda
3/8/2019 9:46:30 PM



#96
1,2,3-Trichlorobenzene
Concen: 56.913 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	167881		
182	95.4		48.6	145.8
145	29.6		14.3	42.9

