

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022519\
 Data File : VN053930.D
 Acq On : 25 Feb 2019 15:23
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN022519

Manual Integrations
 APPROVED

MMDadoda
 2/28/2019 10:48:28 AM

Quant Time: Feb 28 04:26:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	745853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1144799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1002315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	489553	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	405997	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
35) Dibromofluoromethane	7.59	113	370065	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	10.09	98	1382919	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
62) 4-Bromofluorobenzene	12.40	95	470159	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	344031	50.119	ug/l	99
3) Chloromethane	2.06	50	455875	47.879	ug/l	98
4) Vinyl Chloride	2.19	62	460095	48.228	ug/l	99
5) Bromomethane	2.57	94	300049	47.491	ug/l	100
6) Chloroethane	2.71	64	273341	46.071	ug/l	99
7) Trichlorofluoromethane	3.02	101	589553	48.374	ug/l	99
8) Diethyl Ether	3.41	74	227272	49.774	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	378968	49.234	ug/l	95
10) Methyl Iodide	3.95	142	502405	49.673	ug/l	98
11) Tert butyl alcohol	4.77	59	126665	228.531	ug/l	99
12) 1,1-Dichloroethene	3.74	96	355705	48.312	ug/l	95
13) Acrolein	3.61	56	99604	173.573	ug/l	99
14) Allyl chloride	4.32	41	644848	49.936	ug/l	95
15) Acrylonitrile	4.98	53	719636	246.349	ug/l	100
16) Acetone	3.81	43	634169	275.239	ug/l	97
17) Carbon Disulfide	4.05	76	1124220	47.331	ug/l	98
18) Methyl Acetate	4.32	43	291899	47.747	ug/l	94
19) Methyl tert-butyl Ether	5.04	73	999145	50.587	ug/l	97
20) Methylene Chloride	4.55	84	401143	46.357	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	386975	48.561	ug/l	94
22) Diisopropyl ether	5.95	45	1281645	51.445	ug/l	97
23) Vinyl Acetate	5.89	43	4698366	262.158	ug/l	95
24) 1,1-Dichloroethane	5.85	63	743515	48.667	ug/l	99
25) 2-Butanone	6.83	43	871668	253.912	ug/l	95
26) 2,2-Dichloropropane	6.82	77	555166	51.148	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	435217	49.108	ug/l	95
28) Bromochloromethane	7.19	49	348594	49.849	ug/l	83
29) Tetrahydrofuran	7.21	42	563456	246.468	ug/l	92
30) Chloroform	7.37	83	710449	47.958	ug/l	100
31) Cyclohexane	7.65	56	718354	51.391	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	602913	49.360	ug/l	97
36) 1,1-Dichloropropene	7.79	75	567507	53.306	ug/l	97
37) Ethyl Acetate	6.93	43	377444	49.652	ug/l	97
38) Carbon Tetrachloride	7.77	117	534280	48.253	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	701275	54.651	ug/l	96
40) Benzene	8.04	78	1675577	51.232	ug/l	100
41) Methacrylonitrile	7.17	41	187003	38.204	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	513251	50.689	ug/l	97
43) Isopropyl Acetate	8.16	43	667464	52.003	ug/l #	91
44) Trichloroethene	8.83	130	441781	50.951	ug/l	94
45) 1,2-Dichloropropane	9.12	63	447928	50.764	ug/l	100
46) Dibromomethane	9.21	93	255249	49.827	ug/l	94
47) Bromodichloromethane	9.40	83	543862	50.377	ug/l	99
48) Methyl methacrylate	9.20	41	315036	53.362	ug/l	94
49) 1,4-Dioxane	9.20	88	71979	900.164	ug/l #	94
51) 4-Methyl-2-Pentanone	9.98	43	1779528	269.809	ug/l	96
52) Toluene	10.16	92	1004931	52.182	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	569810	54.246	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	659346	53.245	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	361038	50.199	ug/l	99
56) Ethyl methacrylate	10.43	69	466223	49.460	ug/l	91
57) 1,3-Dichloropropane	10.71	76	628814	51.745	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1173848	266.413	ug/l	96
59) 2-Hexanone	10.75	43	1173010	273.454	ug/l	95
60) Dibromochloromethane	10.90	129	408705	51.132	ug/l	99
61) 1,2-Dibromoethane	11.00	107	350350	50.498	ug/l	99
64) Tetrachloroethene	10.63	164	426693	50.274	ug/l	98
65) Chlorobenzene	11.43	112	1082913	51.193	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	392390	51.469	ug/l	100
67) Ethyl Benzene	11.51	91	1884238	53.133	ug/l	99
68) m/p-Xylenes	11.62	106	1449055	108.265	ug/l	97
69) o-Xylene	11.95	106	695832	52.910	ug/l	98
70) Styrene	11.96	104	1134460	56.084	ug/l	99
71) Bromoform	12.13	173	278072	52.429	ug/l #	100
73) Isopropylbenzene	12.25	105	1836974	48.204	ug/l	99
74) N-amyl acetate	12.07	43	519006	51.963	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	437413	45.900	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	389497m	49.597	ug/l	
77) Bromobenzene	12.53	156	466065	48.170	ug/l	92
78) n-propylbenzene	12.59	91	2196962	50.692	ug/l	98
79) 2-Chlorotoluene	12.67	91	1260316	48.409	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1584803	50.798	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	124169	49.973	ug/l	95
82) 4-Chlorotoluene	12.77	91	1300786	50.553	ug/l	97
83) tert-Butylbenzene	12.99	119	1334688	48.371	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1609926	51.689	ug/l	99
85) sec-Butylbenzene	13.17	105	1899518	50.403	ug/l	99
86) p-Isopropyltoluene	13.29	119	1657500	52.025	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	847188	50.616	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	836226	51.497	ug/l	99
89) n-Butylbenzene	13.61	91	1489935	55.491	ug/l	99
90) Hexachloroethane	13.87	117	286903	46.471	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	810264	50.010	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65227	48.435	ug/l	92

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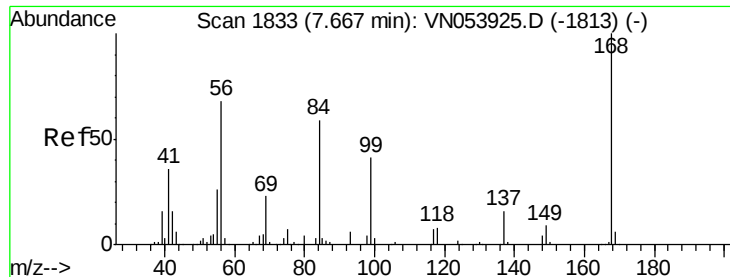
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	469876	52.120	ug/l	99
94) Hexachlorobutadiene	15.01	225	291449	49.798	ug/l	99
95) Naphthalene	15.13	128	960068	49.560	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	443540	51.345	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022519

Tot Ion:168 Resp: 745853

Ion Ratio Lower Upper

168 100

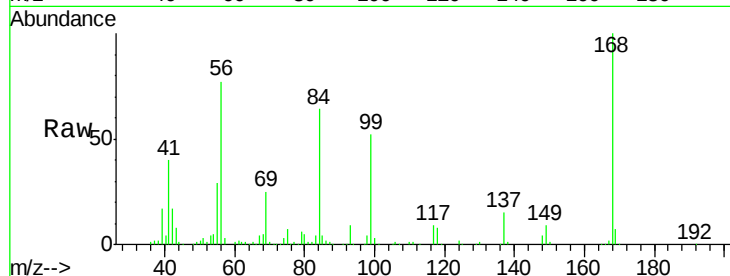
99 51.3 36.9 55.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

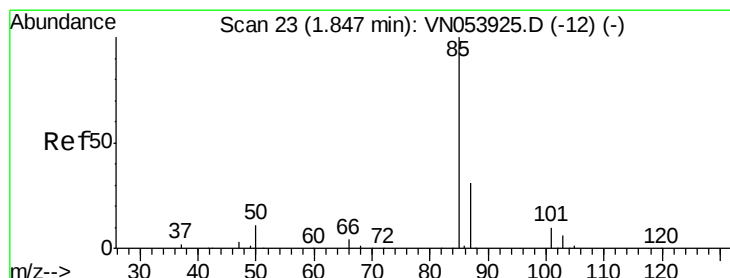
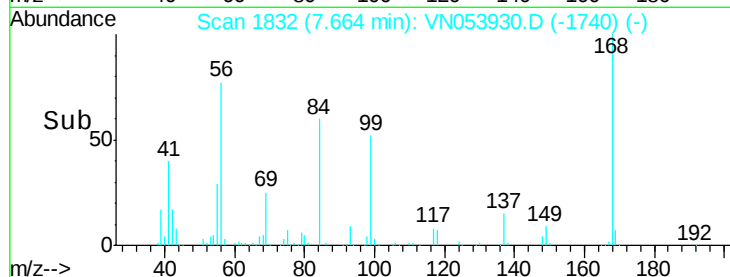
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.119 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN053930.D

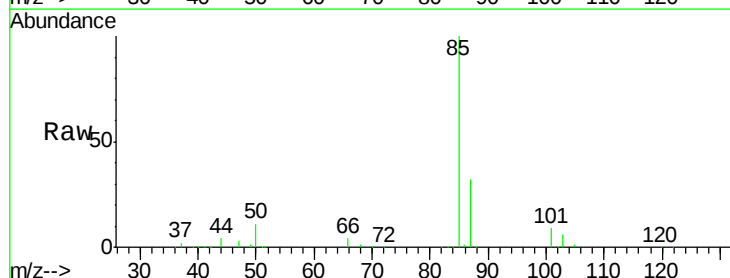
Acq: 25 Feb 2019 15:23

Tgt Ion: 85 Resp: 344031

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

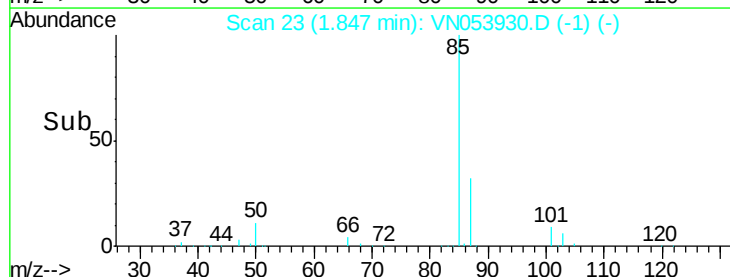
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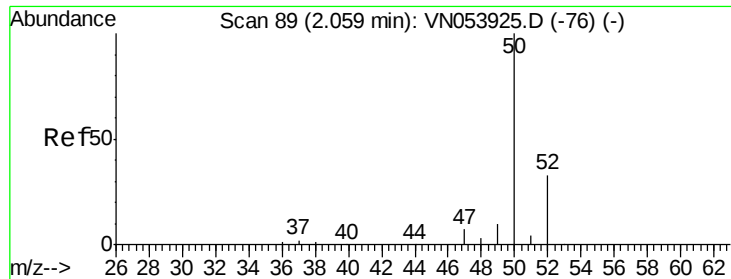
100000

50000

0

Time-->





#3

Chloromethane

Concen: 47.879 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022519

Tot Ion: 50 Resp: 455875

Ion Ratio Lower Upper

50 100

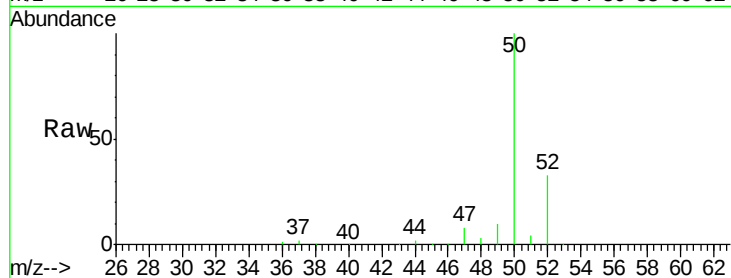
52 33.4 26.0 39.0

Manual Integrations

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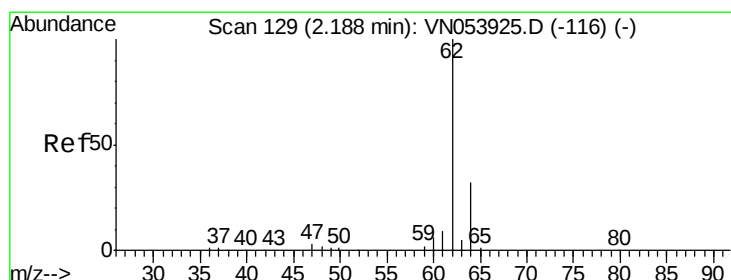
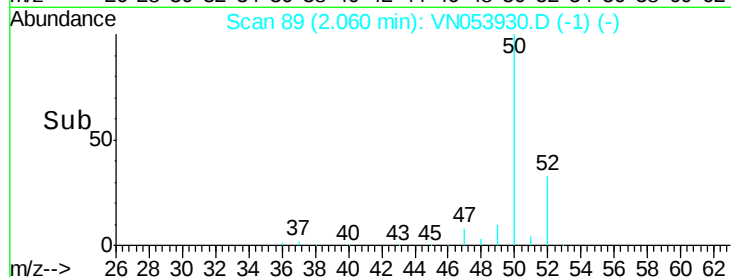
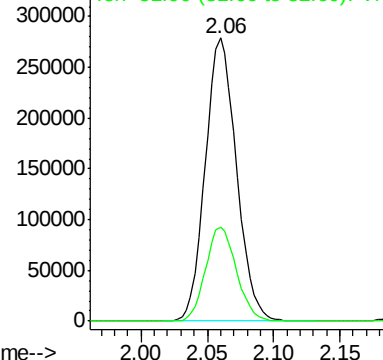
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 48.228 ug/l

RT: 2.19 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN053930.D

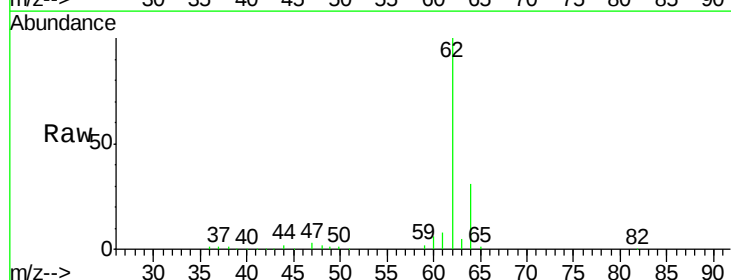
Acq: 25 Feb 2019 15:23

Tgt Ion: 62 Resp: 460095

Ion Ratio Lower Upper

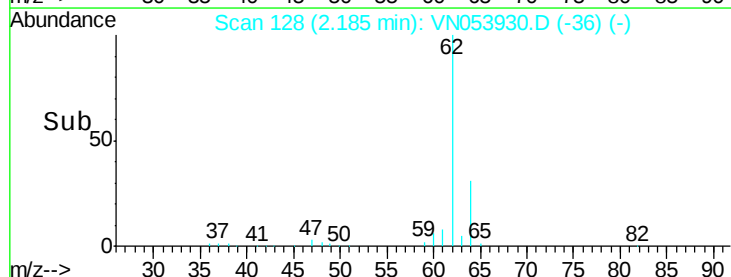
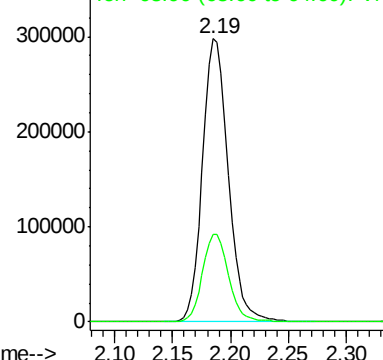
62 100

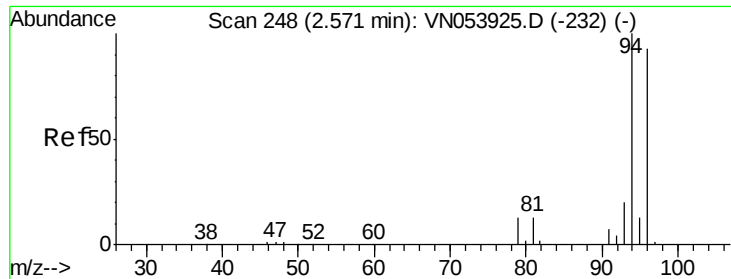
64 30.8 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 47.491 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022519

Tot Ion: 94 Resp: 300049

Ion Ratio Lower Upper

94 100

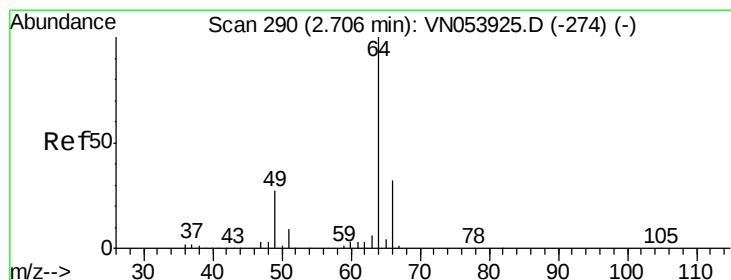
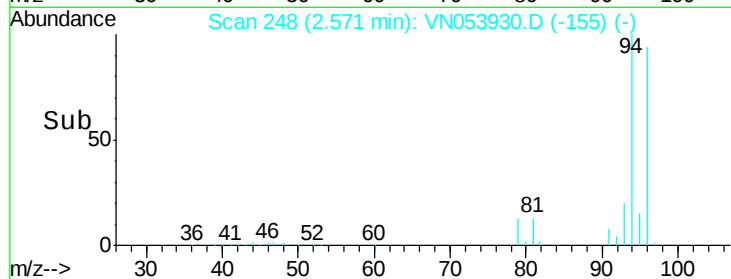
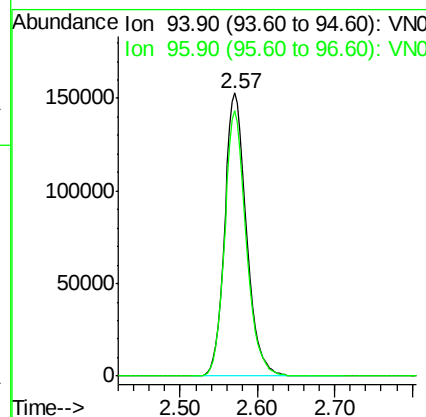
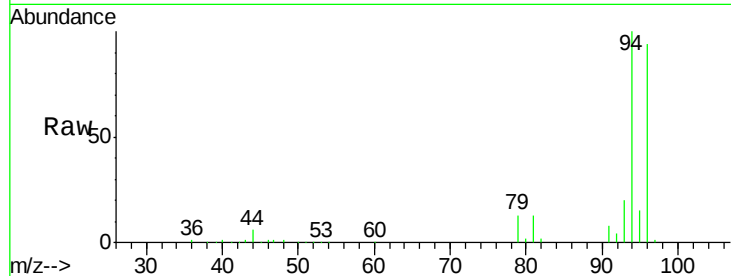
96 93.7 74.9 112.3

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#6

Chloroethane

Concen: 46.071 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053930.D

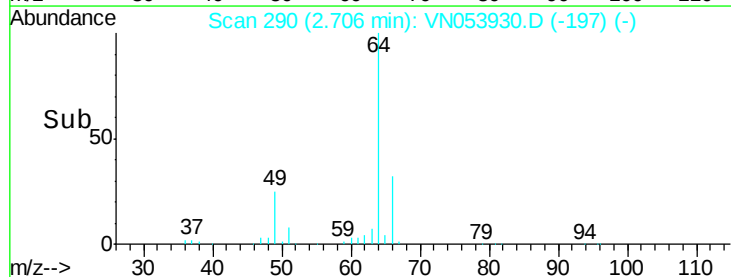
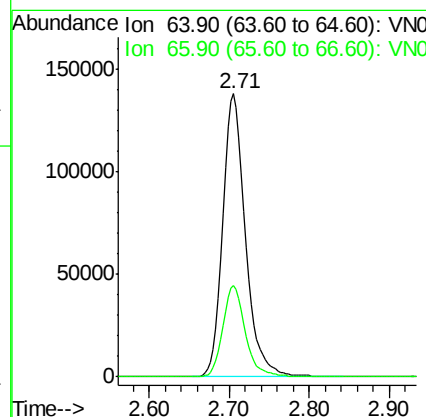
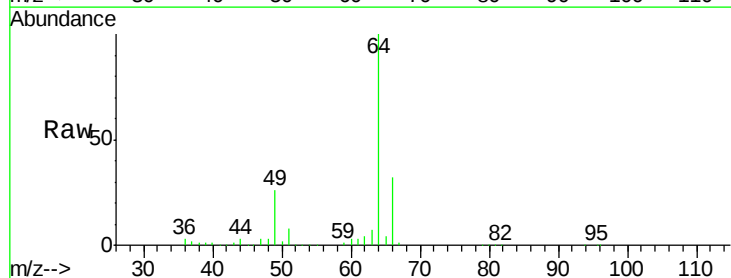
Acq: 25 Feb 2019 15:23

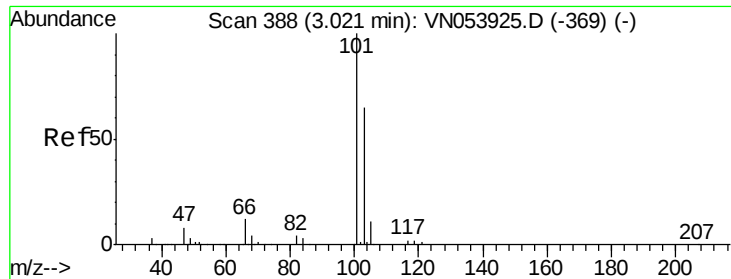
Tgt Ion: 64 Resp: 273341

Ion Ratio Lower Upper

64 100

66 32.3 25.5 38.3





#7

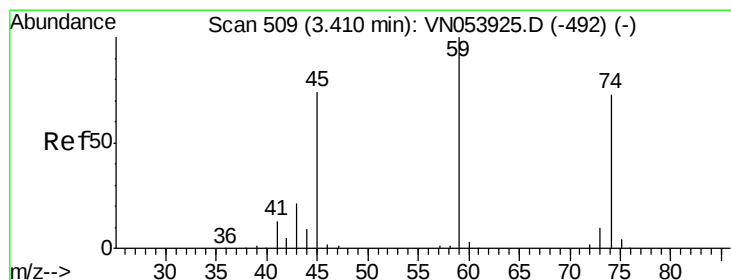
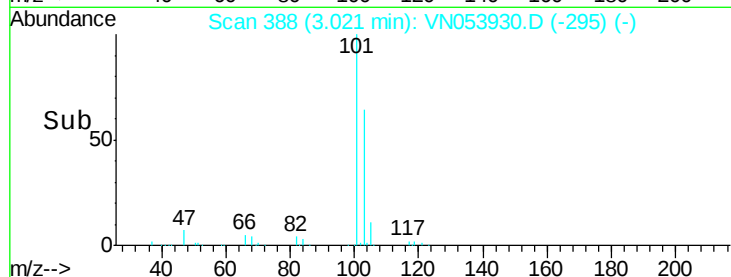
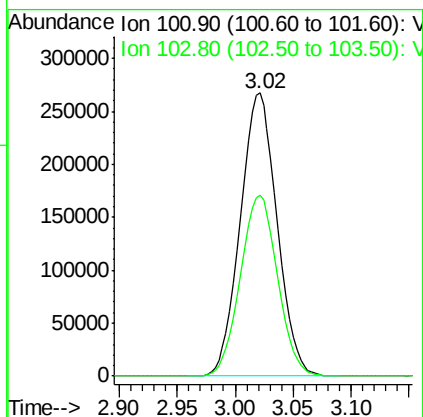
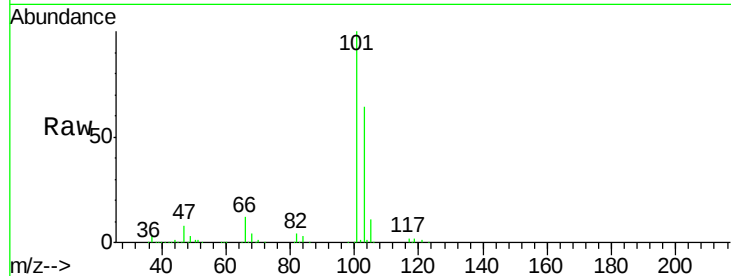
Trichlorofluoromethane
Concen: 48.374 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		589553		
103	64.0	51.9	77.9		

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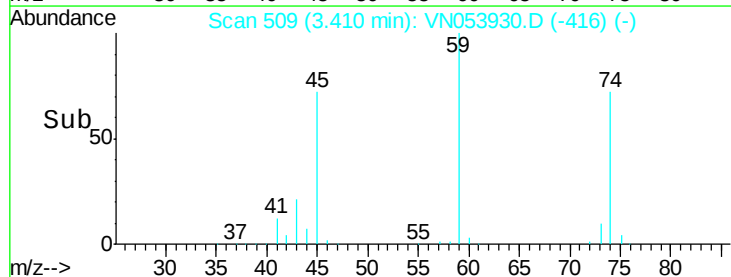
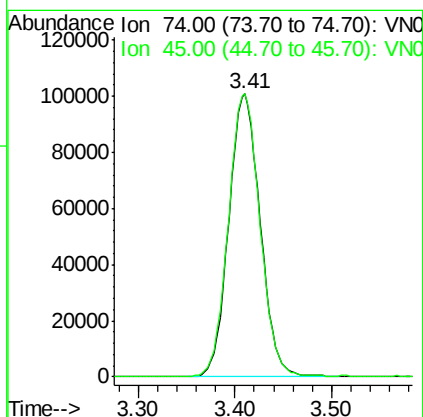
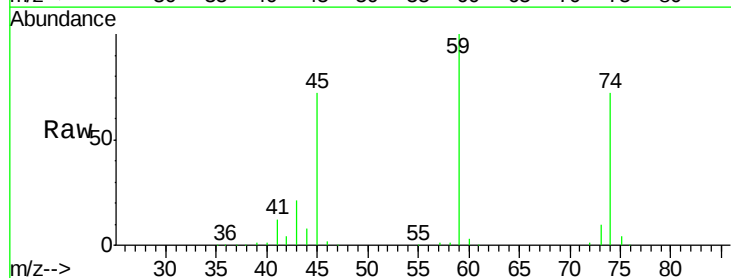
MMDadoda
2/28/2019 10:48:28 AM

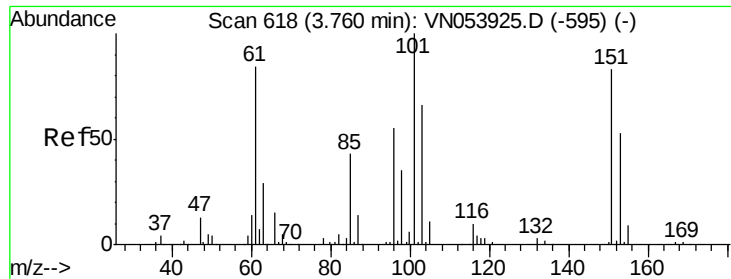


#8

Diethyl Ether
Concen: 49.774 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		227272		
45	100.3	46.9	140.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.234 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Instrument :

MSVOA_N

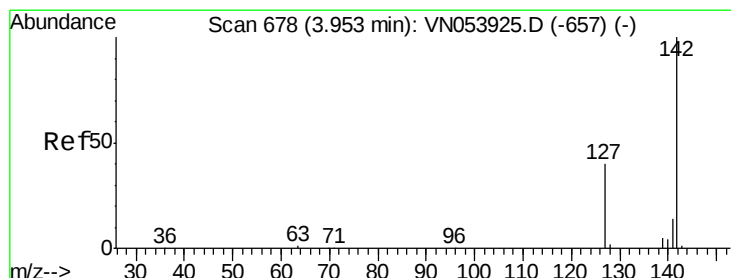
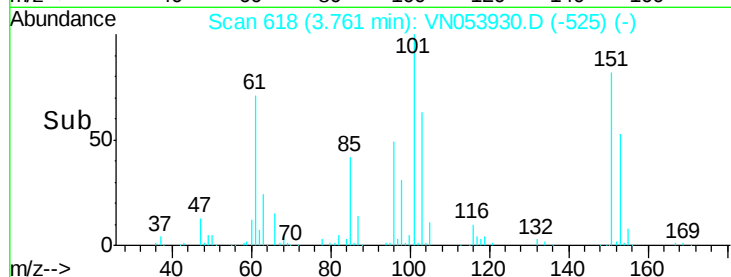
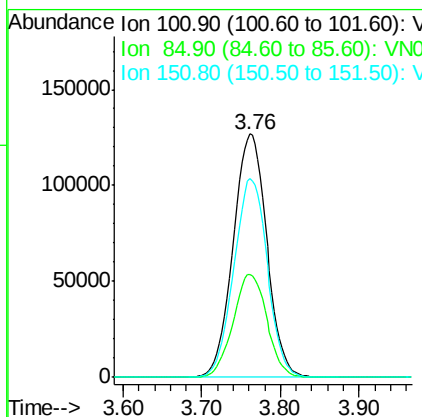
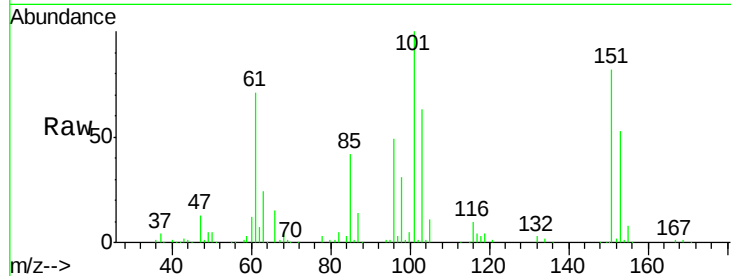
ClientSampleId :

ICVVN022519

Tot Ion:	101	Resp:	378968
Ion Ratio	Lower	Upper	
101	100		
85	42.5	32.5	48.7
151	81.6	70.2	105.2

Manual Integrations
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2/28/2019 10:48:28 AM



#10

Methyl Iodide

Concen: 49.673 ug/l

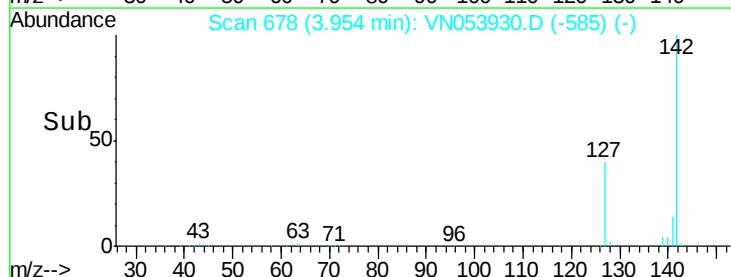
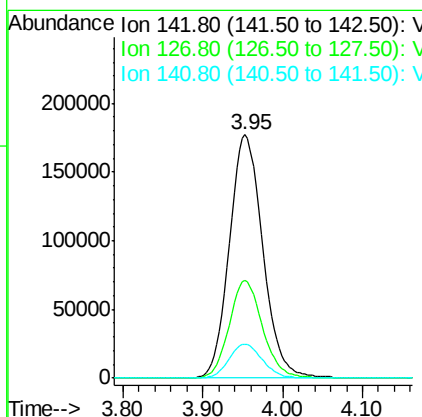
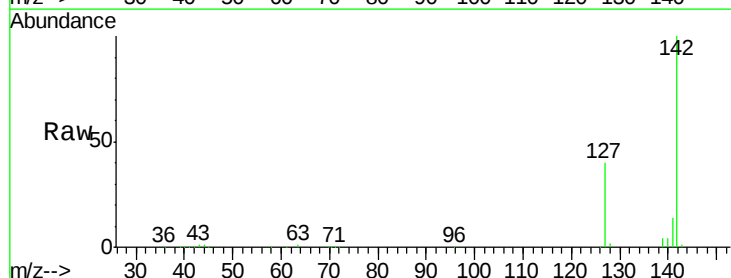
RT: 3.95 min Scan# 678

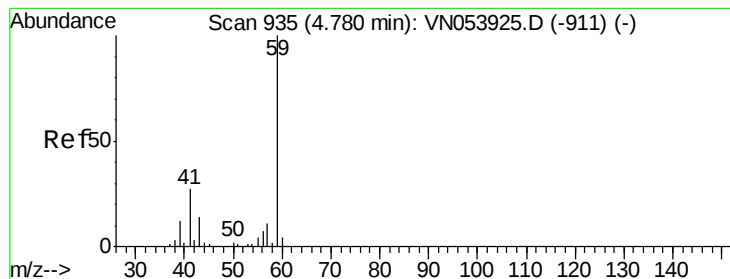
Delta R.T. 0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Tgt Ion:	142	Resp:	502405
Ion Ratio	Lower	Upper	
142	100		
127	39.9	31.0	46.4
141	14.0	11.3	16.9





#11

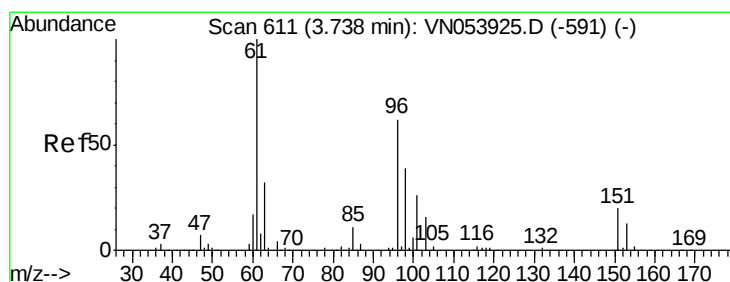
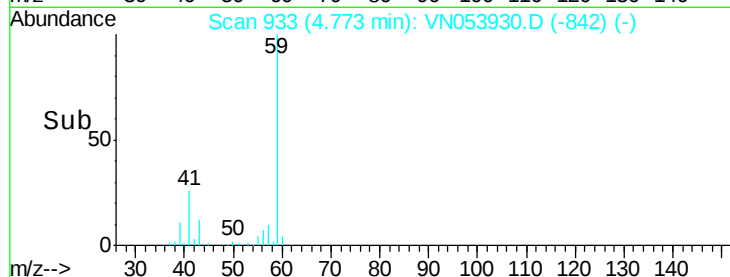
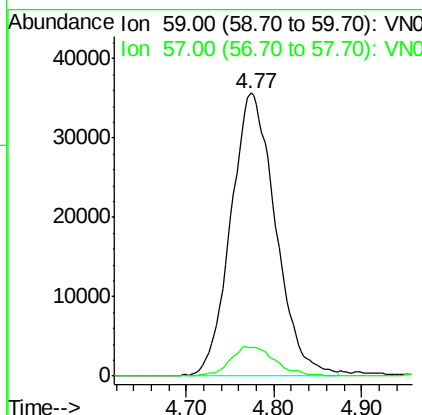
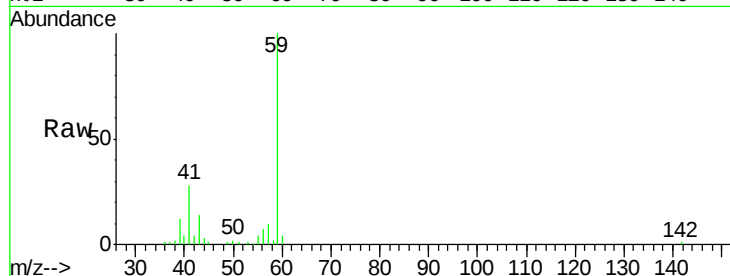
Tert butyl alcohol
 Concen: 228.531 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: VN053930.D
 Acq: 25 Feb 2019 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022519

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.1	12.1

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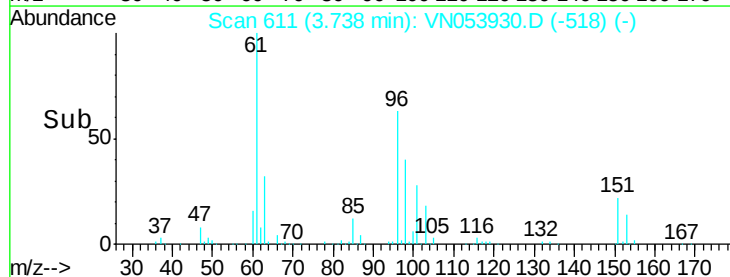
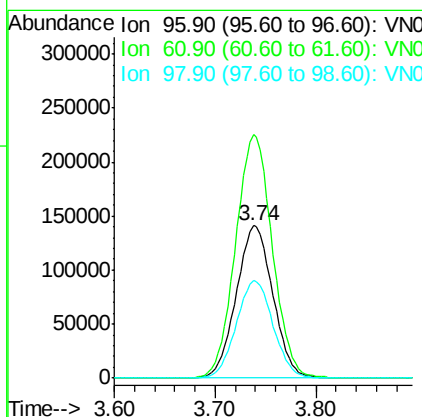
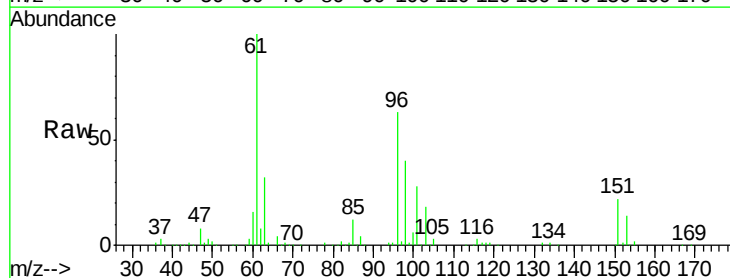
MMDadoda
 2/28/2019 10:48:28 AM

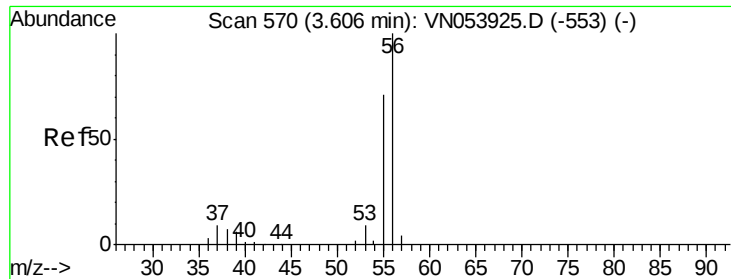


#12

1,1-Dichloroethene
 Concen: 48.312 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN053930.D
 Acq: 25 Feb 2019 15:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.5	121.0	181.4
98	63.6	52.2	78.2





#13

Acrolein

Concen: 173.573 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022519

Tot Ion: 56 Resp: 99604

Ion Ratio Lower Upper

56 100

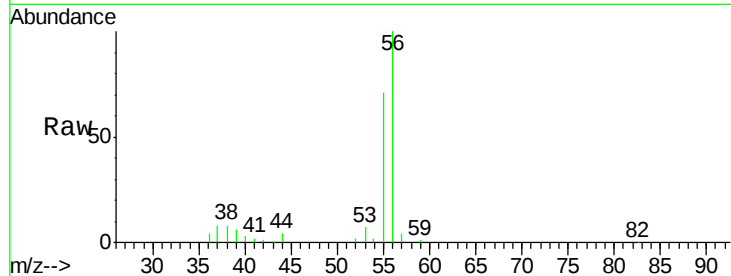
55 71.0 56.3 84.5

Manual Integrations

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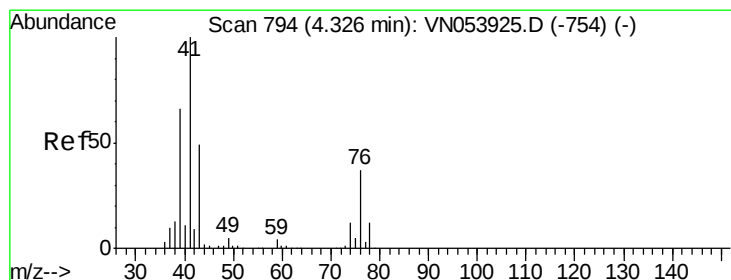
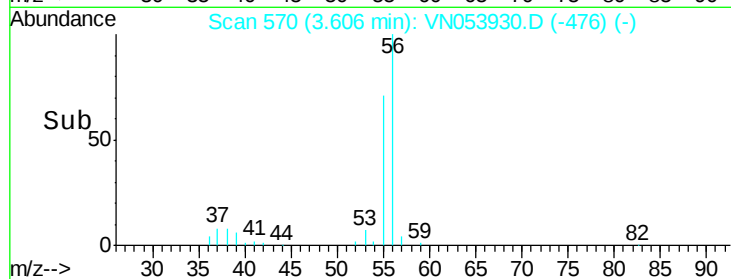
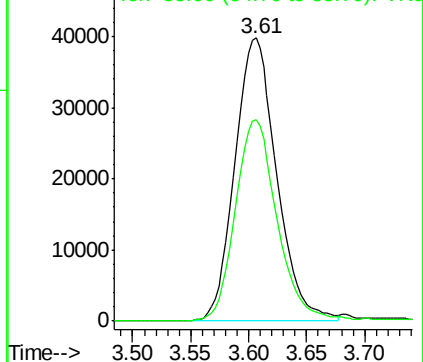
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.936 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

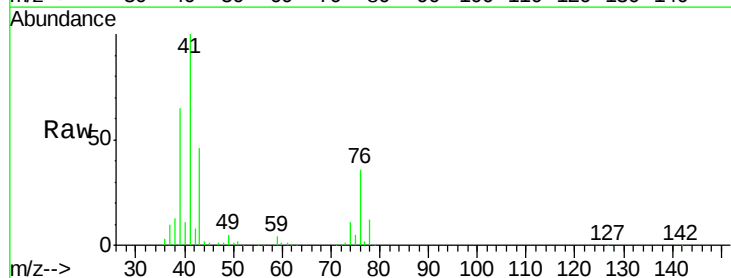
Tgt Ion: 41 Resp: 644848

Ion Ratio Lower Upper

41 100

39 63.1 48.8 73.2

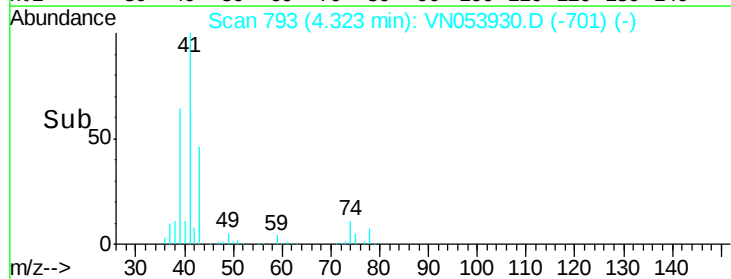
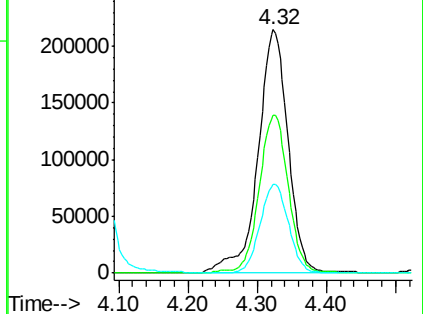
76 34.1 30.9 46.3

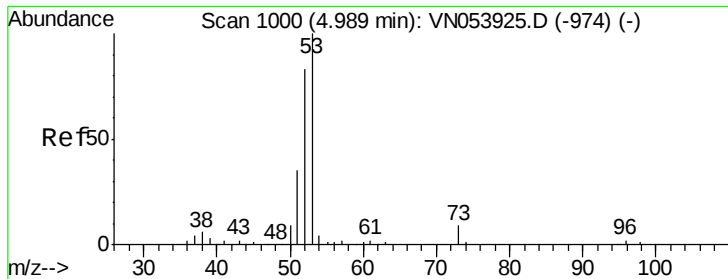


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 246.349 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Instrument :

MSVOA_N

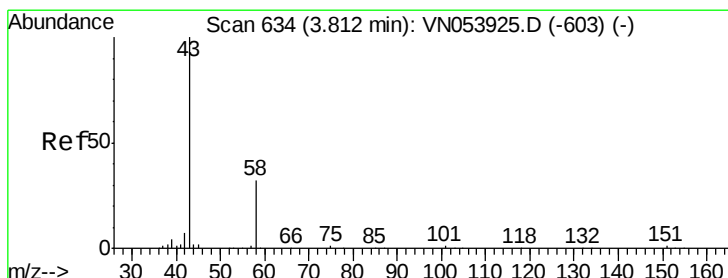
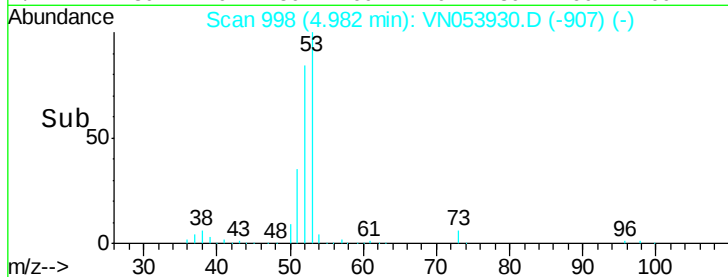
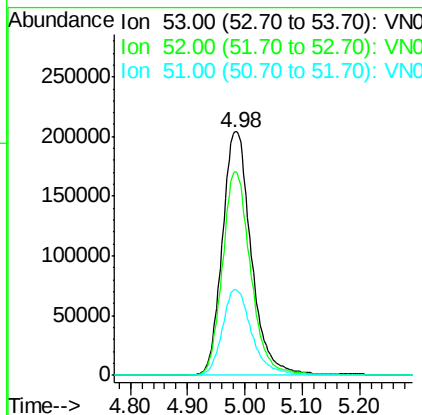
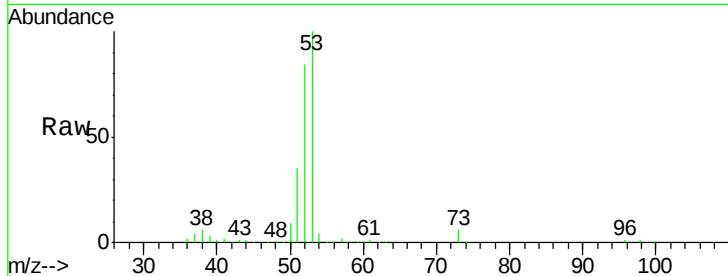
ClientSampleId :

ICVVN022519

Tot Ion:	53	Resp:	719636
Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.1	97.7
51	35.8	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 275.239 ug/l

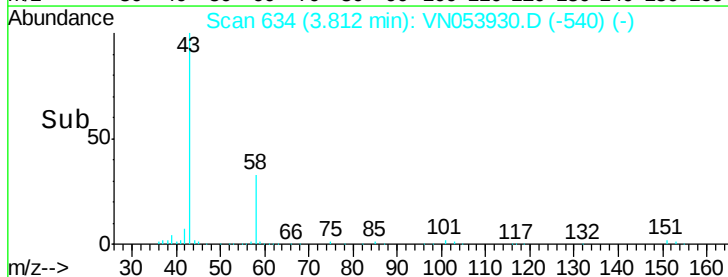
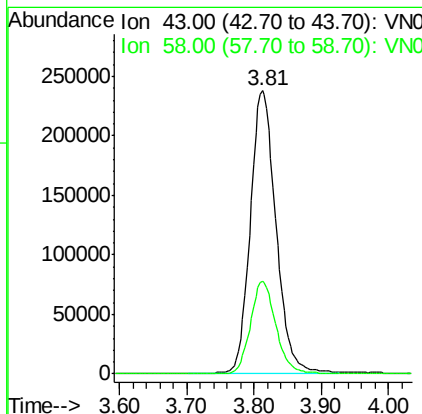
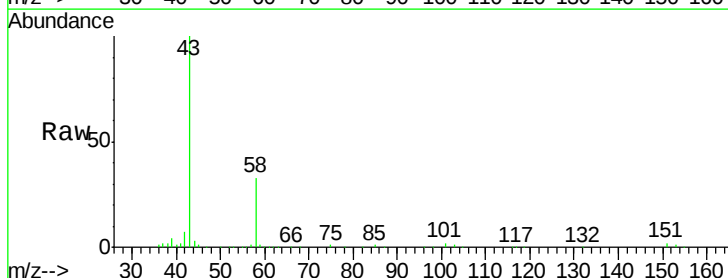
RT: 3.81 min Scan# 634

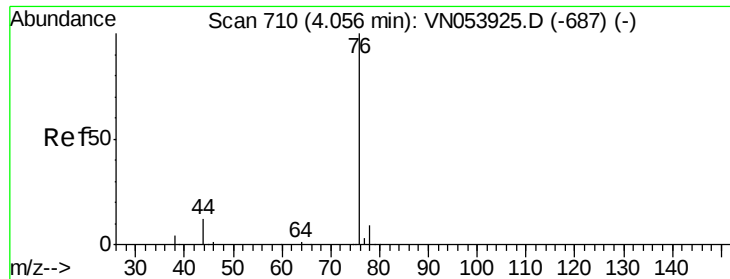
Delta R.T. 0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Tgt Ion:	43	Resp:	634169
Ion	Ratio	Lower	Upper
43	100		
58	32.8	27.6	41.4





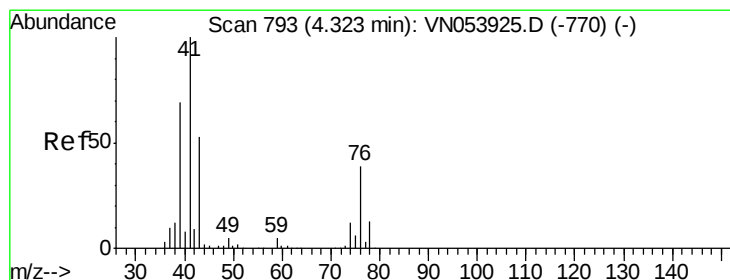
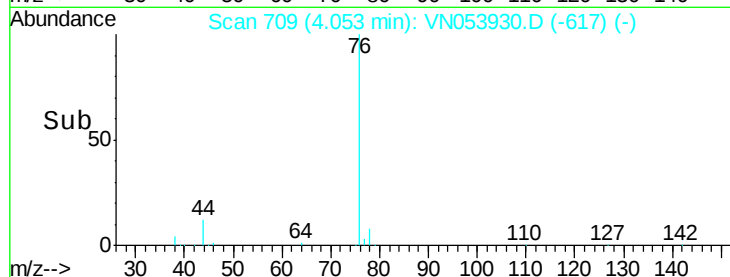
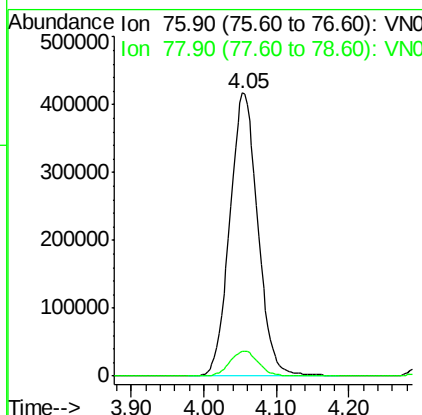
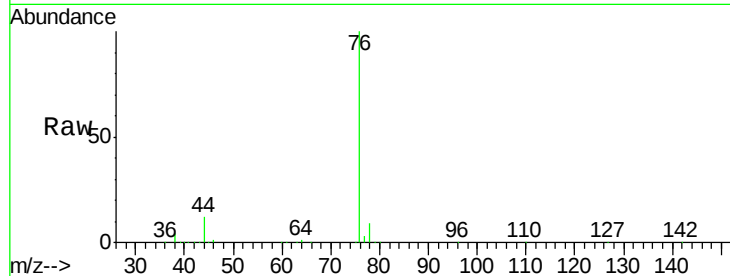
#17
Carbon Disulfide
Concen: 47.331 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022519

Tot Ion: 76 Resp: 1124220
Ion Ratio Lower Upper
76 100
78 8.8 7.5 11.3

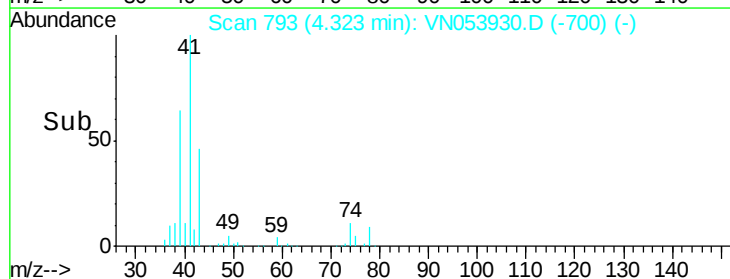
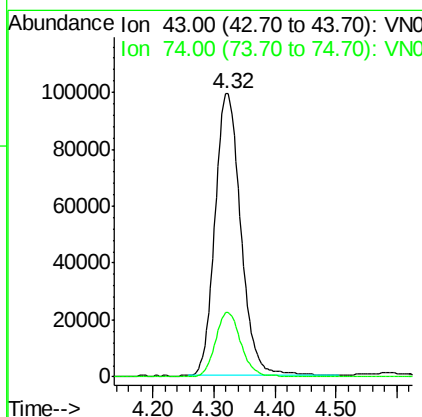
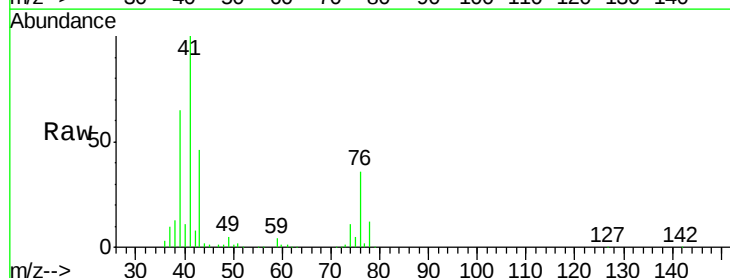
Manual Integrations
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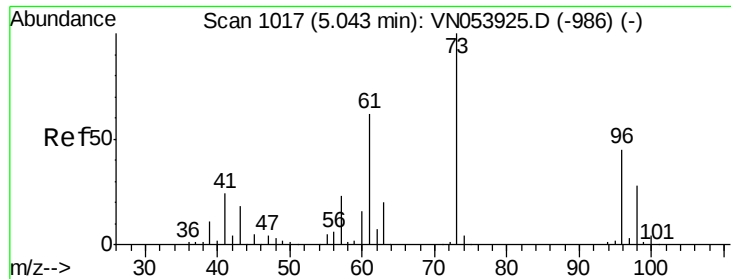
MMDadoda
2/28/2019 10:48:28 AM



#18
Methyl Acetate
Concen: 47.747 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Tgt Ion: 43 Resp: 291899
Ion Ratio Lower Upper
43 100
74 22.6 20.5 30.7





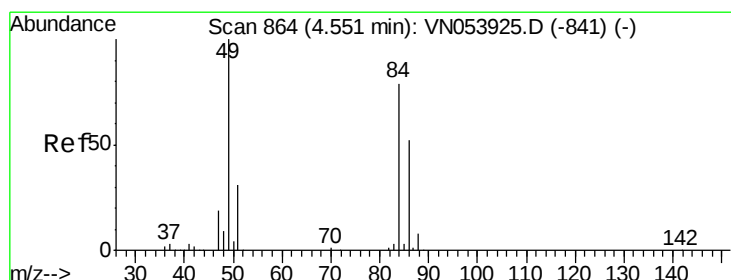
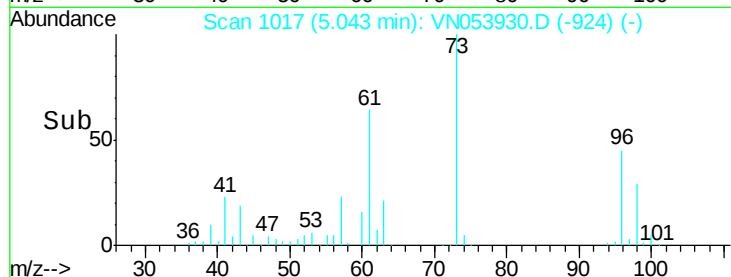
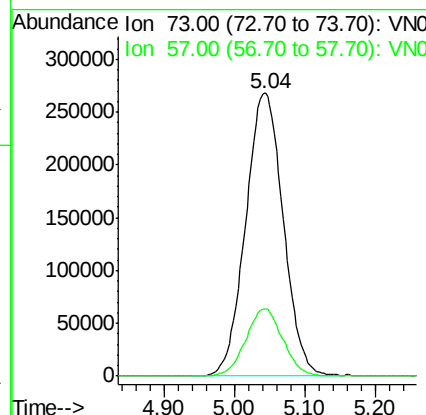
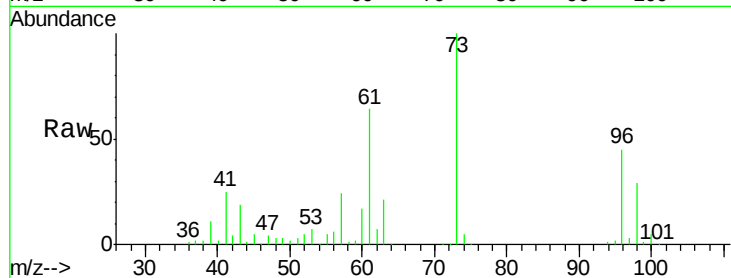
#19
Methvl tert-butvl Ether
Concen: 50.587 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022519

Tot Ion: 73 Resp: 999145
Ion Ratio Lower Upper
73 100
57 23.7 18.0 27.0

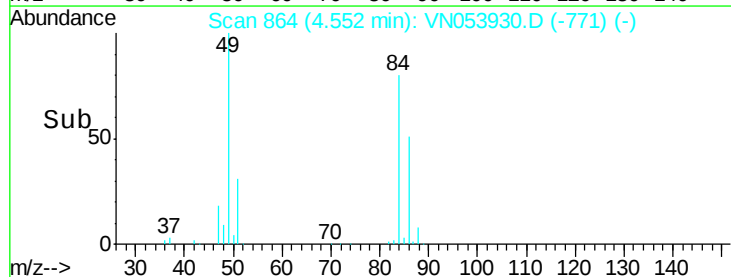
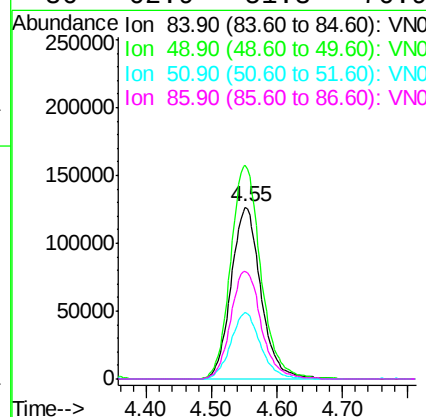
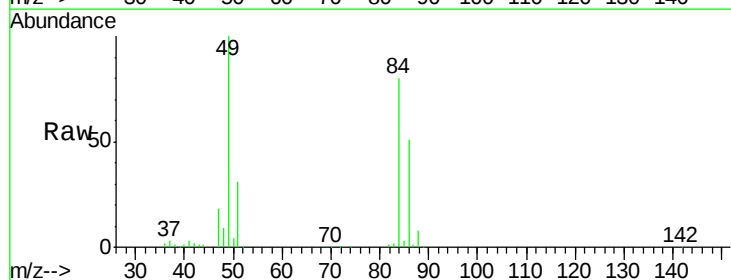
Manual Integrations
APPROVED

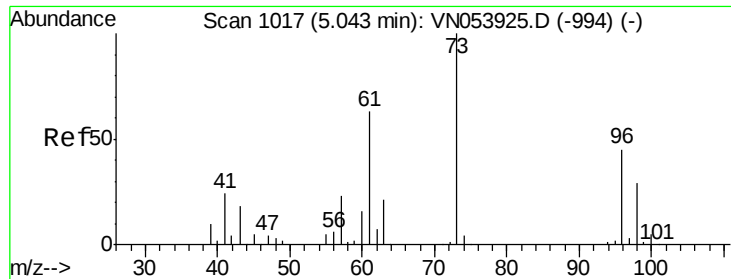
MMDadoda
2/28/2019 10:48:28 AM



#20
Methylene Chloride
Concen: 46.357 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Tgt Ion: 84 Resp: 401143
Ion Ratio Lower Upper
84 100
49 124.5 89.7 134.5
51 39.0 27.8 41.8
86 62.9 51.3 76.9





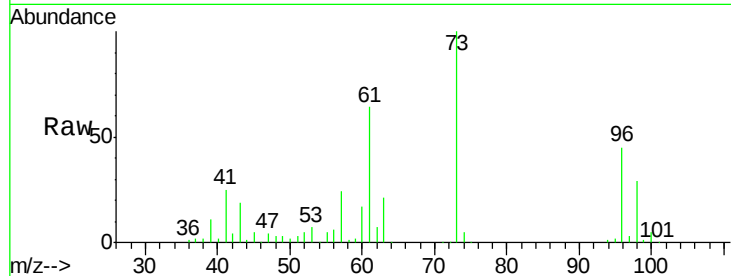
#21
trans-1,2-Dichloroethene
Concen: 48.561 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN022519

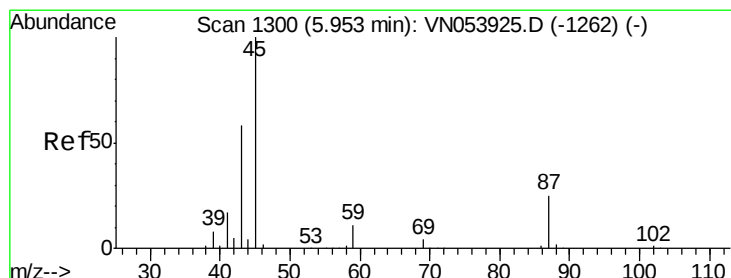
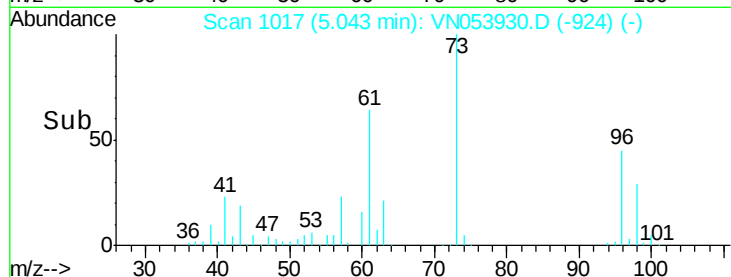
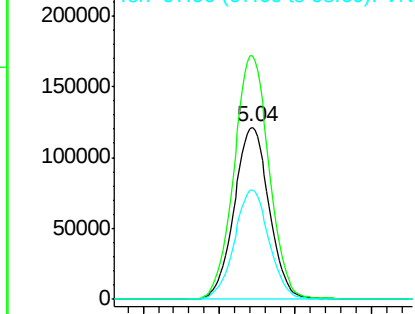
Tot Ion	Ratio	Lower	Upper
96	100		
61	141.4	104.5	156.7
98	63.8	50.6	76.0

Manual Integrations
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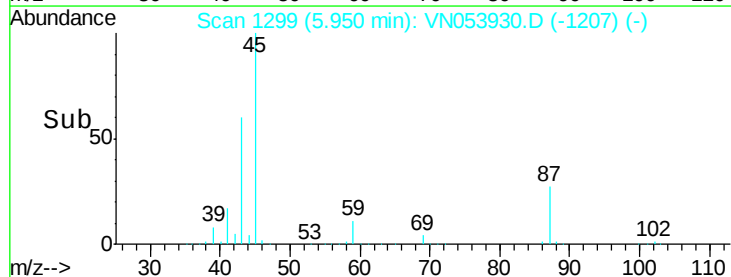
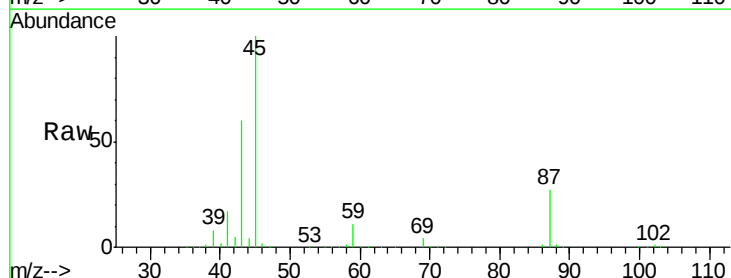
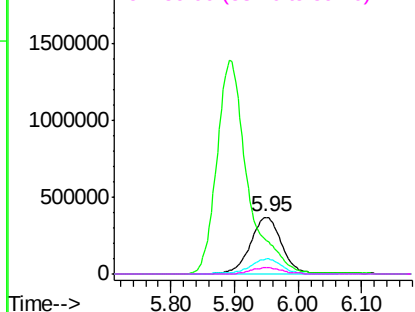
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

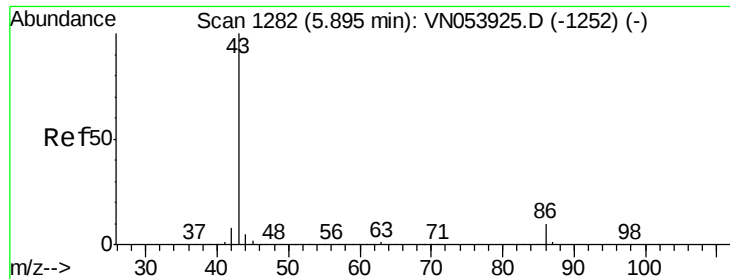


#22
Diisopropyl ether
Concen: 51.445 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.1	46.2	69.4
87	26.2	23.4	35.0
59	11.1	9.4	14.0

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





#23

Vinyl Acetate

Concen: 262.158 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022519

Tot Ion: 43 Resp: 4698366

Ion Ratio Lower Upper

43 100

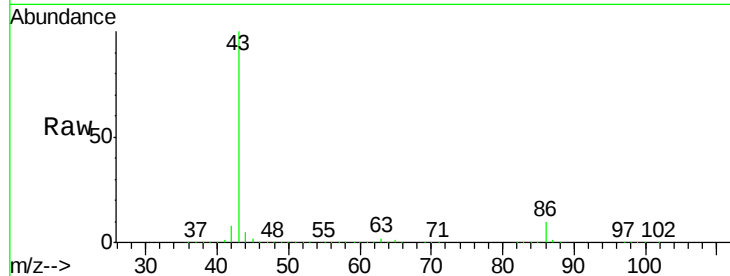
86 9.6 9.1 13.7

Manual Integrations

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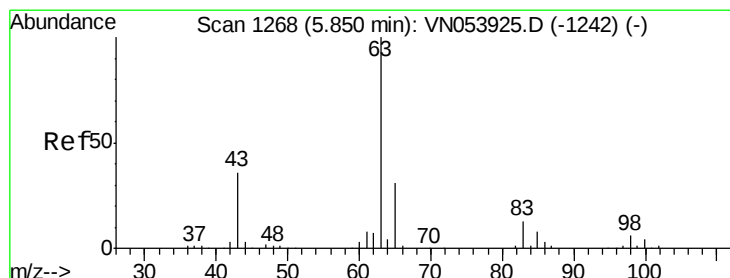
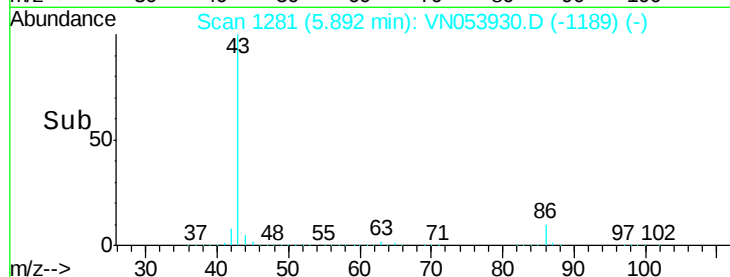
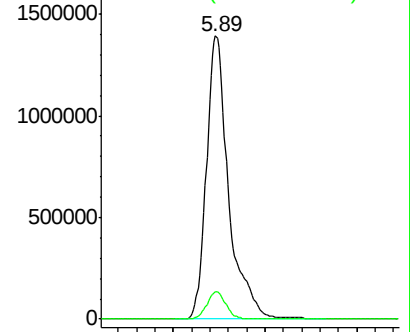
MMDadoda

2/28/2019 10:48:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.667 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

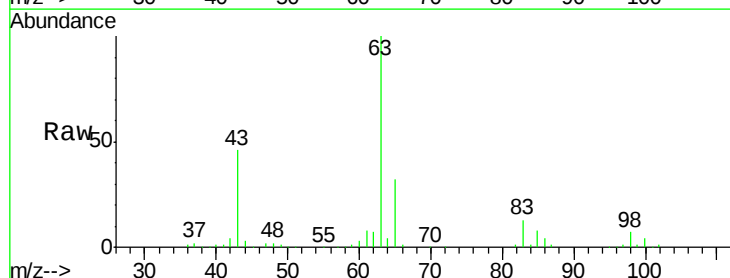
Tgt Ion: 63 Resp: 743515

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

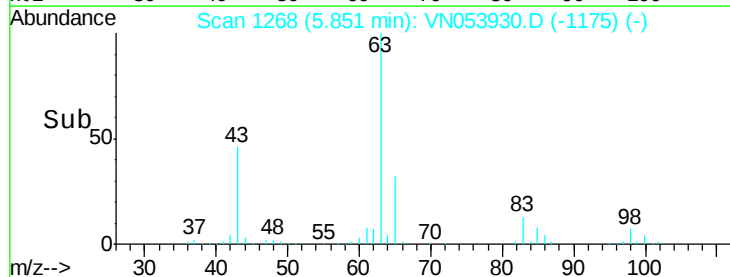
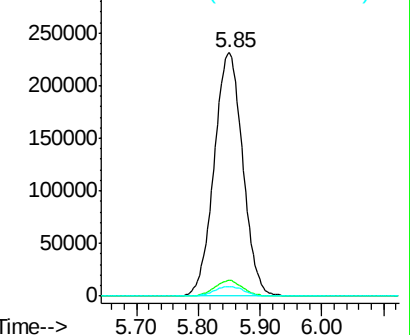
100 4.0 2.2 6.6

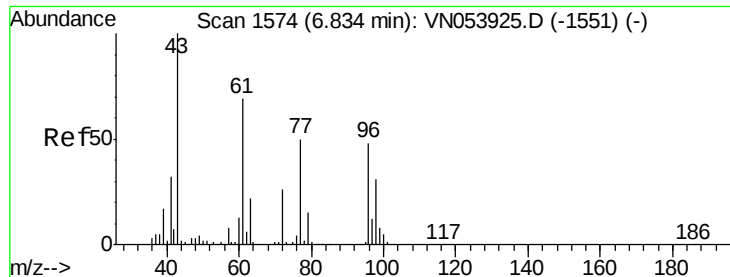


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 253.912 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022519

Tot Ion: 43 Resp: 871668

Ion Ratio Lower Upper

43 100

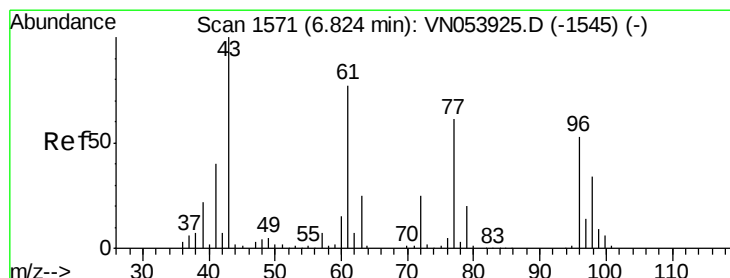
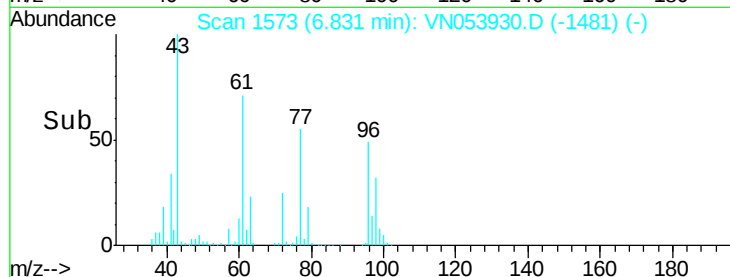
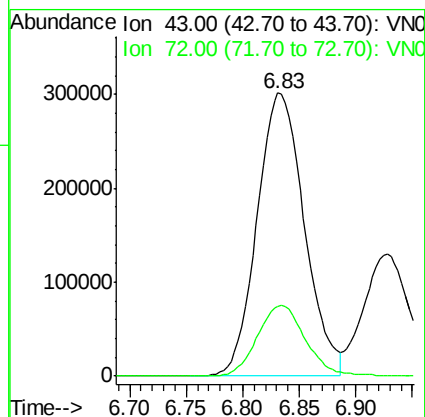
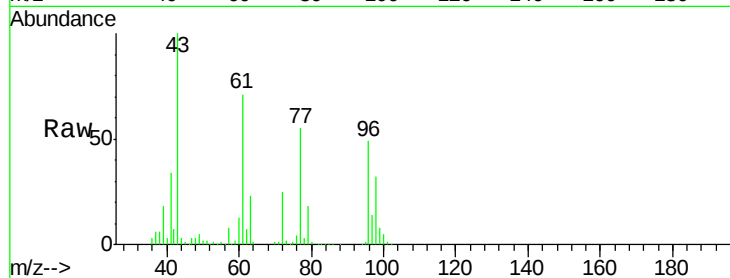
72 24.9 22.1 33.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.148 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053930.D

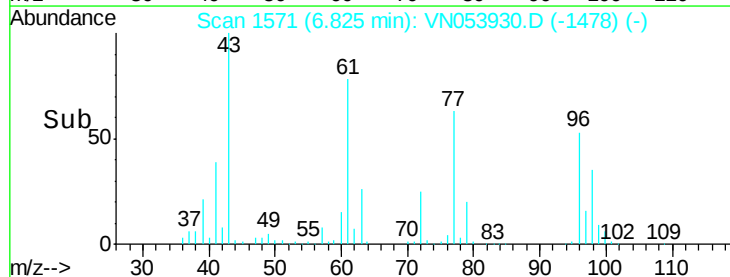
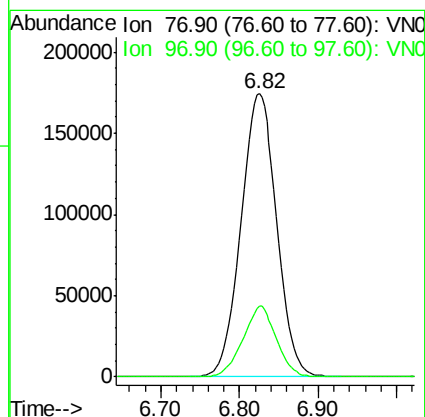
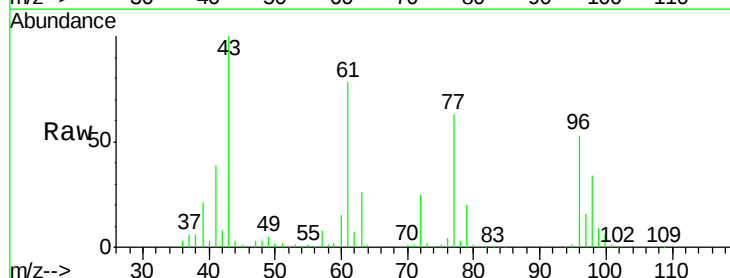
Acq: 25 Feb 2019 15:23

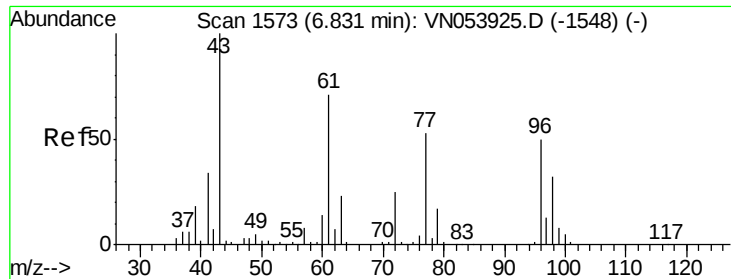
Tgt Ion: 77 Resp: 555166

Ion Ratio Lower Upper

77 100

97 23.6 12.3 36.9





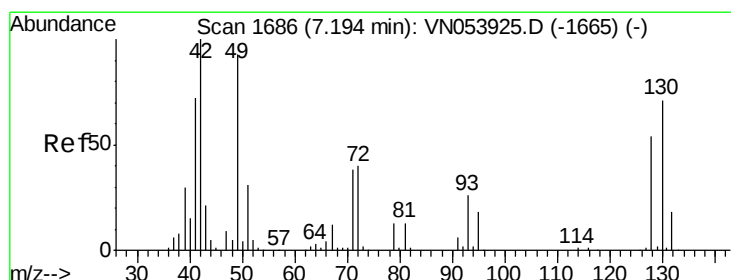
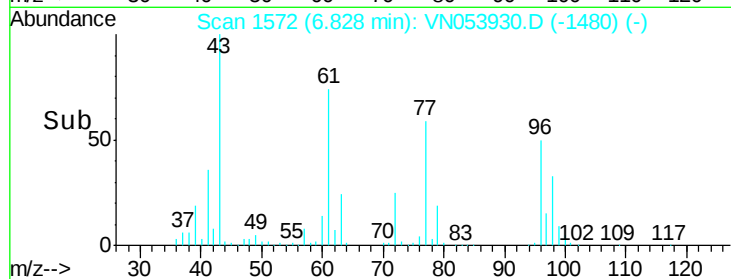
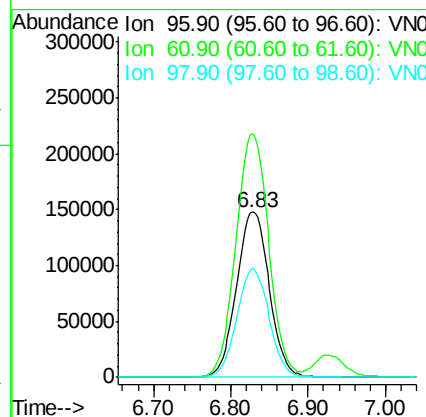
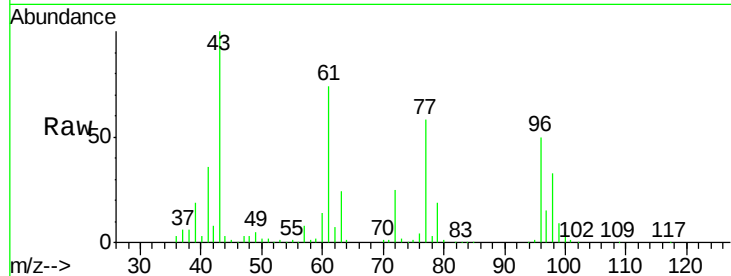
#27
 cis-1,2-Dichloroethene
 Concen: 49.108 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN053930.D
 Acq: 25 Feb 2019 15:23

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN022519

Tot Ion	Ratio	Resp	Lower	Upper
96	100	435217		
61	147.2	0.0	275.6	
98	64.7	0.0	130.0	

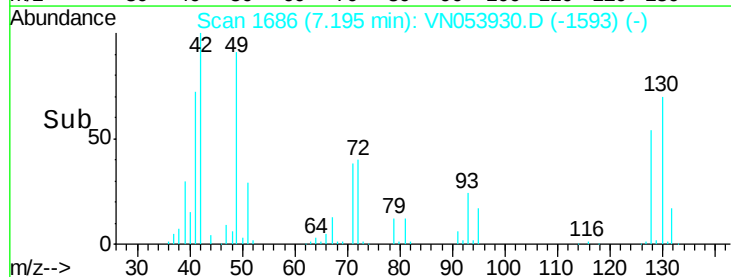
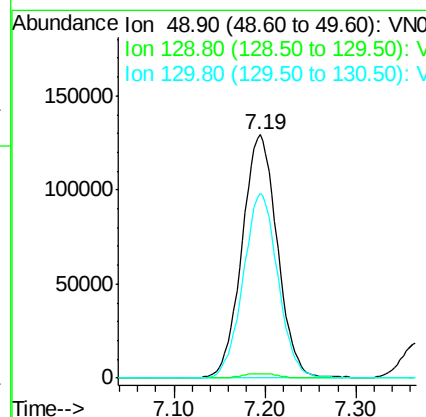
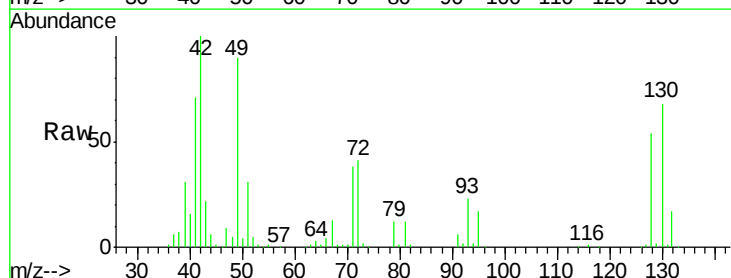
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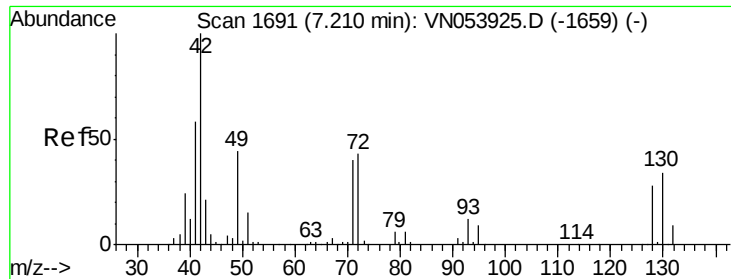
MMDadoda
 2/28/2019 10:48:28 AM



#28
 Bromochloromethane
 Concen: 49.849 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN053930.D
 Acq: 25 Feb 2019 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	348594		
129	1.9	0.0	4.6	
130	74.6	72.9	109.3	





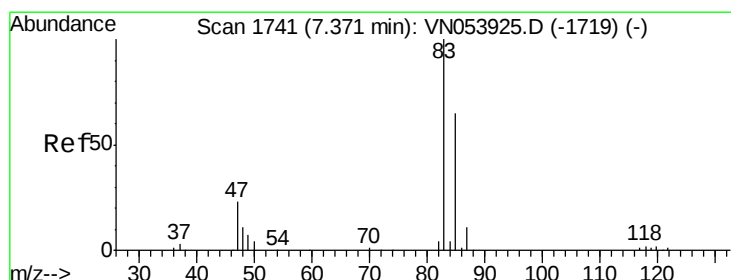
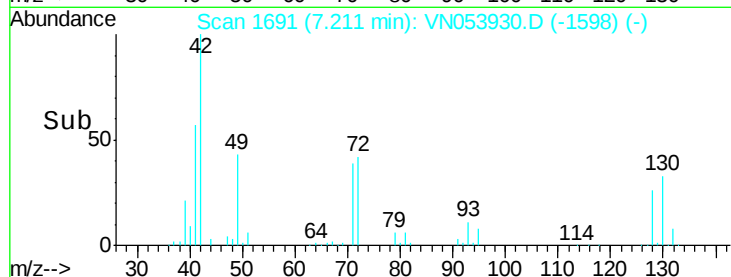
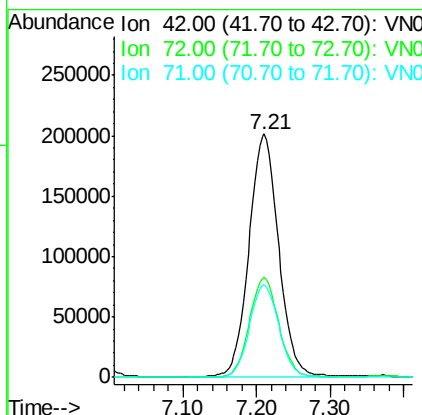
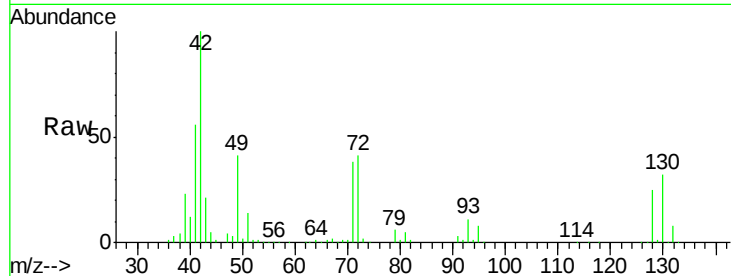
#29
Tetrahydrofuran
Concen: 246.468 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN022519

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	36.9	55.3
71	38.0	34.6	52.0

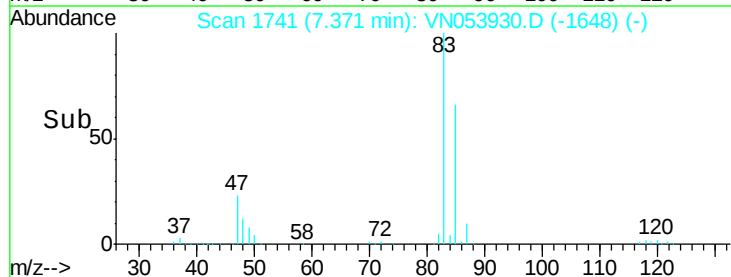
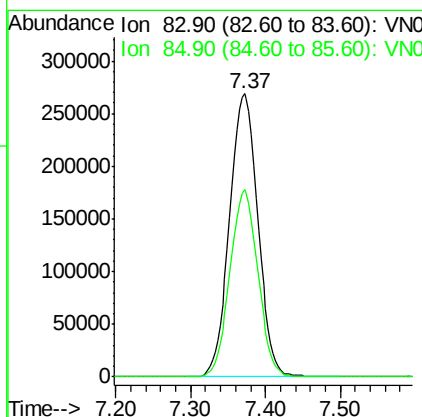
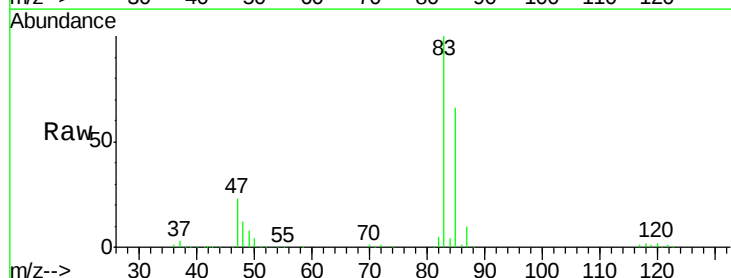
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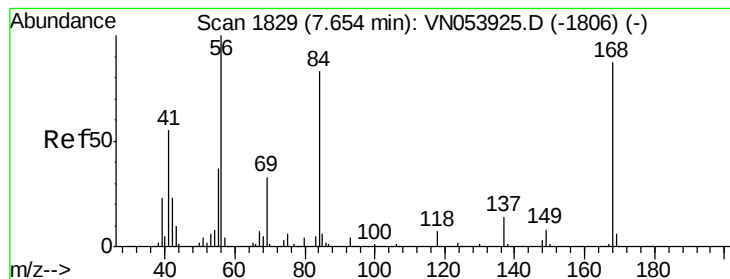
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#30
Chloroform
Concen: 47.958 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.6	78.8





#31

Cyclohexane

Concen: 51.391 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Instrument :

MSVOA_N

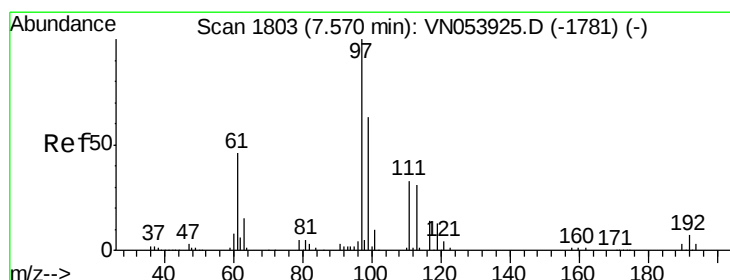
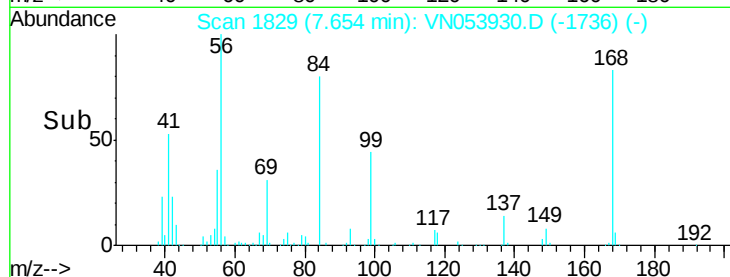
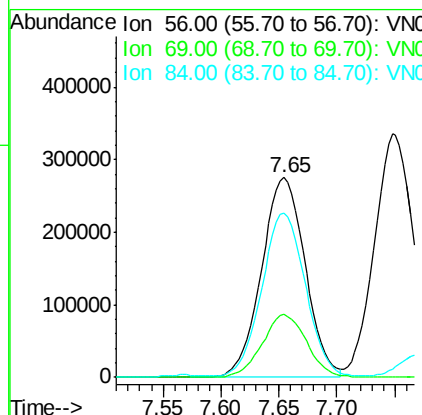
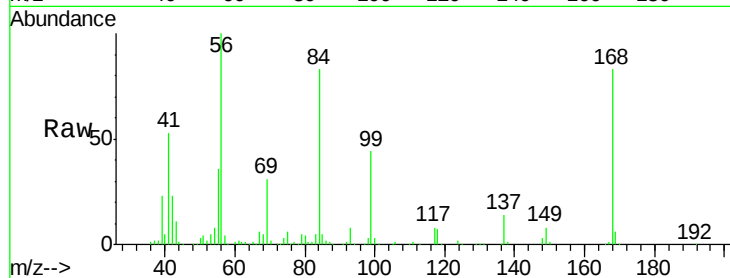
ClientSampled :

ICVVN022519

Tot Ion	56	Resp	718354
Ion	Ratio	Lower	Upper
56	100		
69	31.4	26.0	39.0
84	81.4	69.1	103.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.360 ug/l

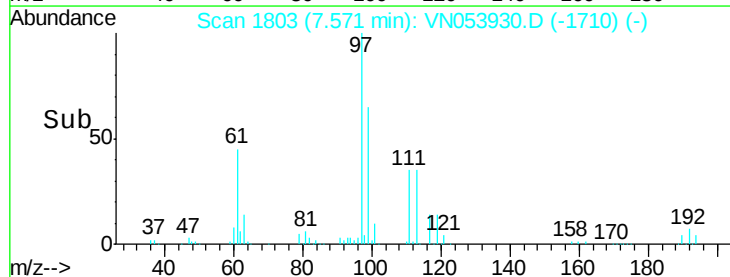
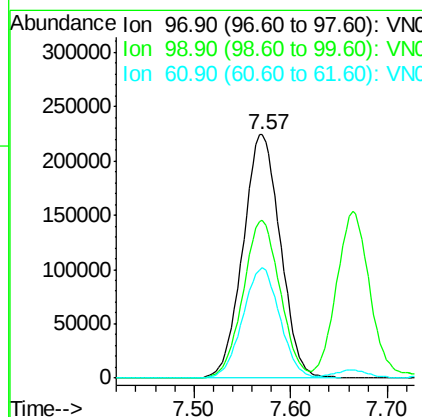
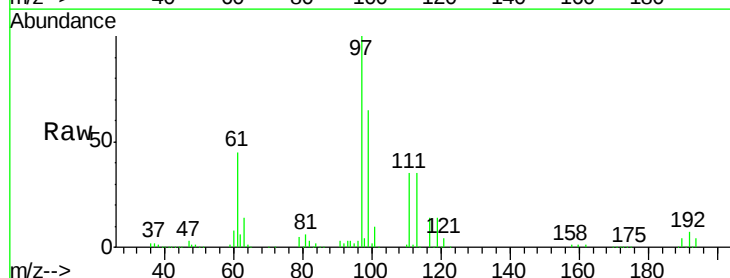
RT: 7.57 min Scan# 1803

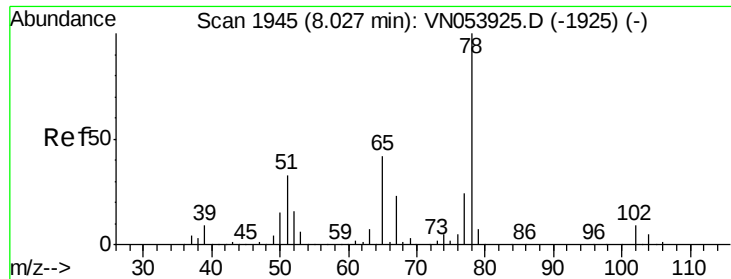
Delta R.T. 0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Tgt Ion	97	Resp	602913
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.8
61	44.8	33.2	49.8





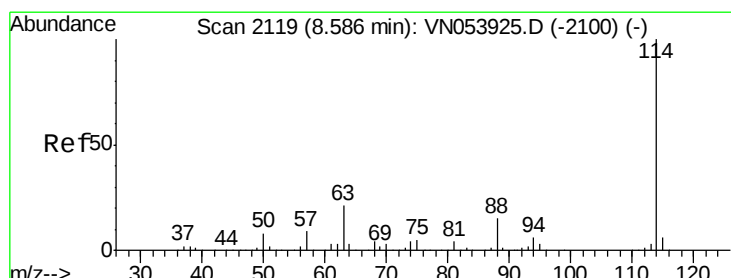
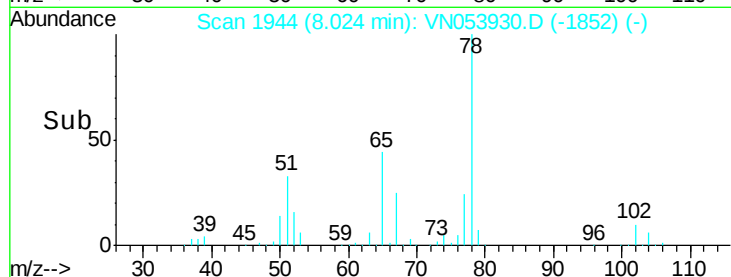
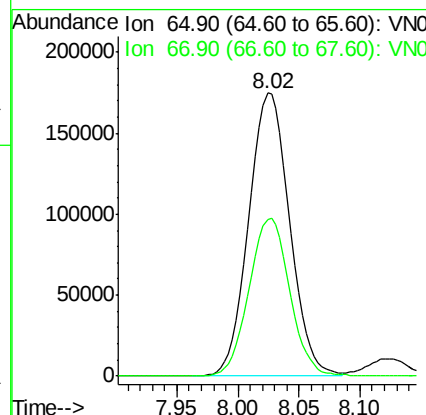
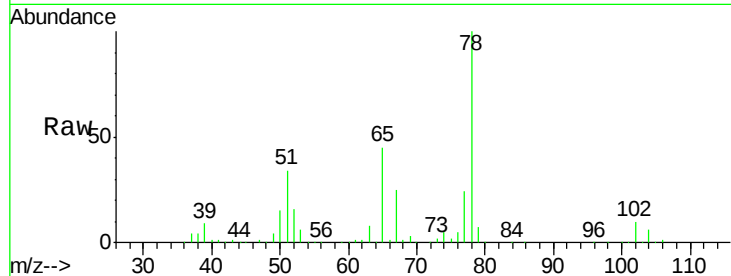
#33
 1,2-Dichloroethane-d4
 Concen: 46.436 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053930.D
 Acq: 25 Feb 2019 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022519

Tot Ion	Ratio	Resp	Lower	Upper
65	100	405997		
67	55.7	0.0	111.8	

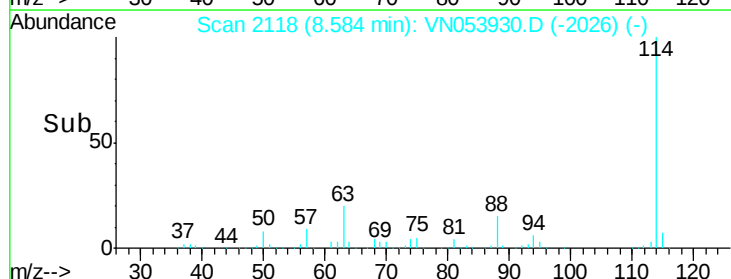
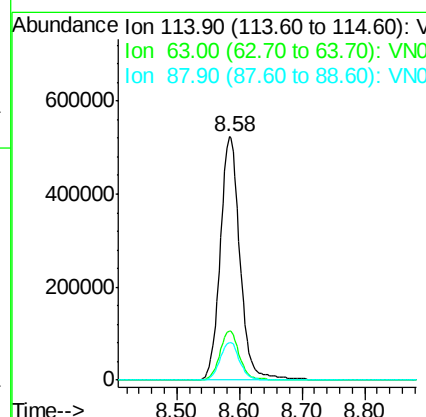
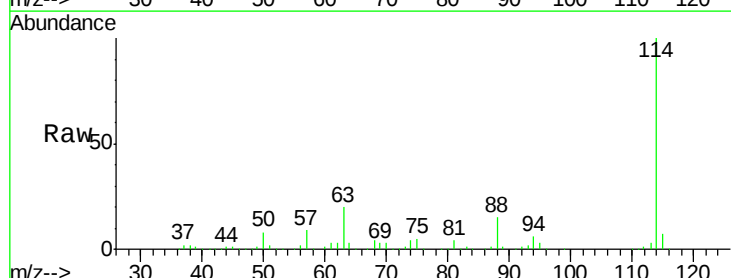
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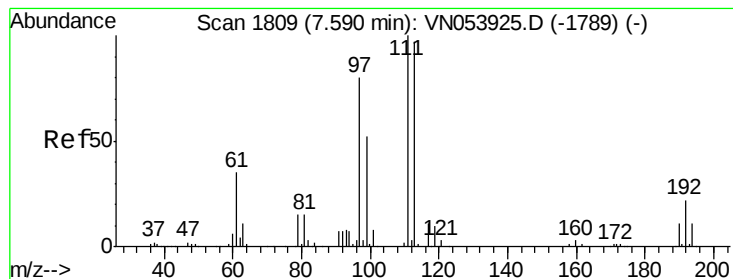
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053930.D
 Acq: 25 Feb 2019 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1144799		
63	20.2	0.0	37.4	
88	15.4	0.0	30.4	





#35

Dibromofluoromethane

Concen: 49.989 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Instrument :

MSVOA_N

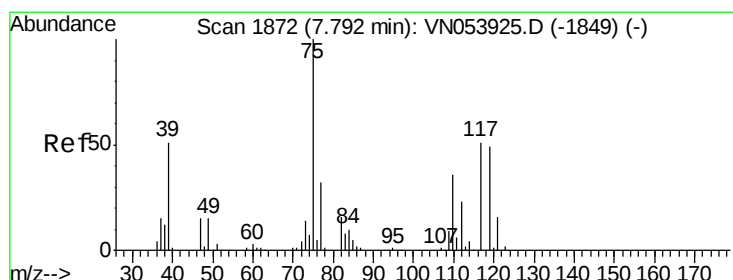
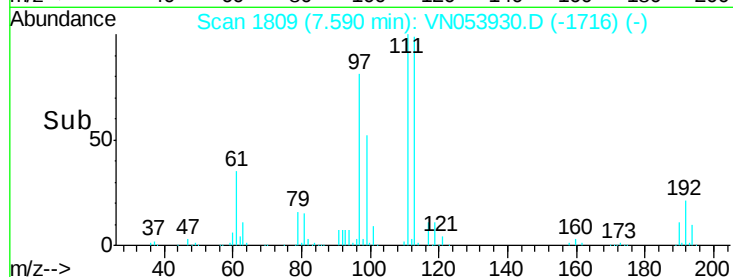
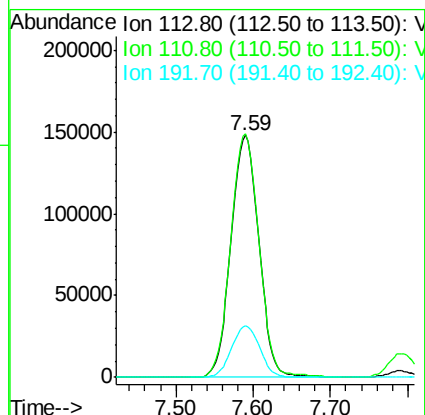
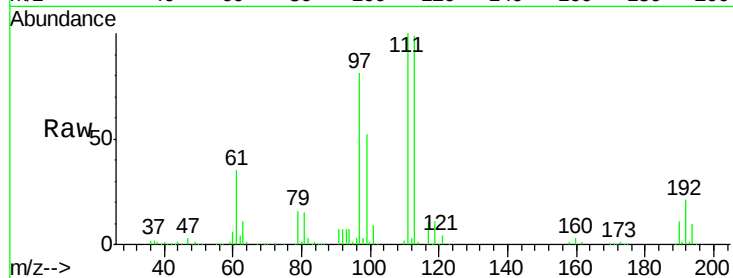
ClientSampleId :

ICVVN022519

Tot Ion:	113	Resp:	370065
Ion Ratio	Lower	Upper	
113	100		
111	101.0	81.1	121.7
192	21.5	18.8	28.2

Manual Integrations
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2/28/2019 10:48:28 AM



#36

1,1-Dichloropropene

Concen: 53.306 ug/l

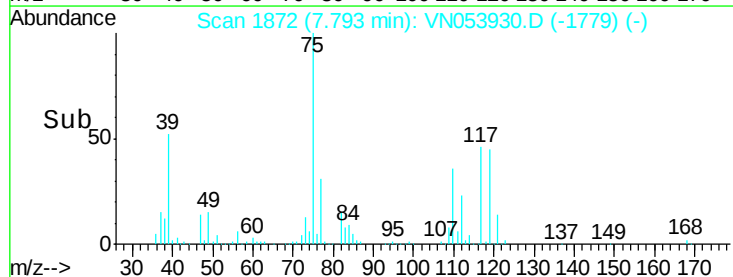
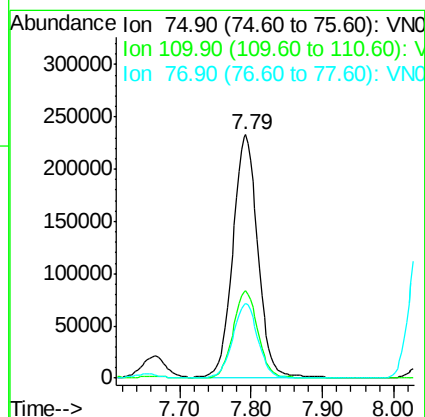
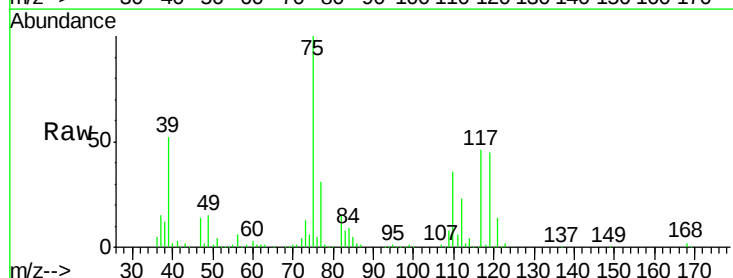
RT: 7.79 min Scan# 1872

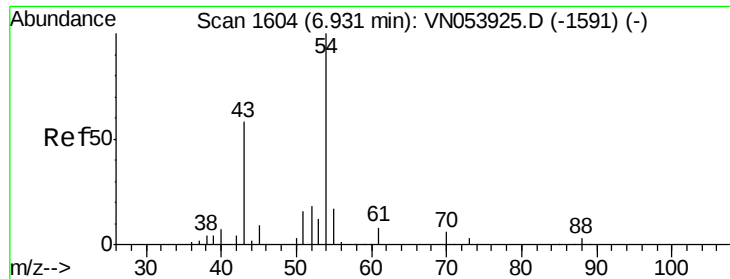
Delta R.T. 0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Tgt Ion:	75	Resp:	567507
Ion Ratio	Lower	Upper	
75	100		
110	35.8	19.0	57.0
77	31.1	25.4	38.0





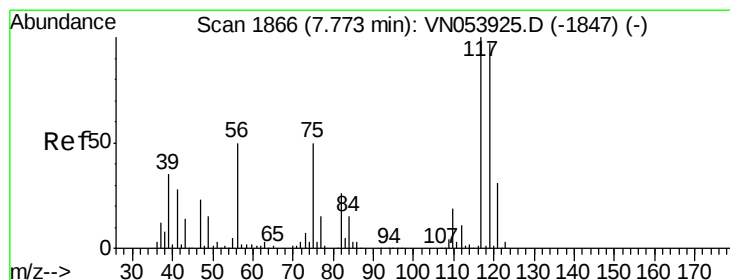
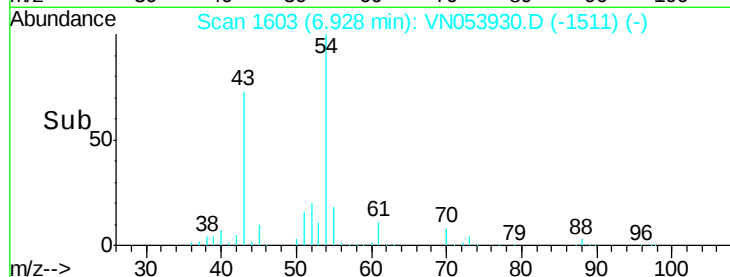
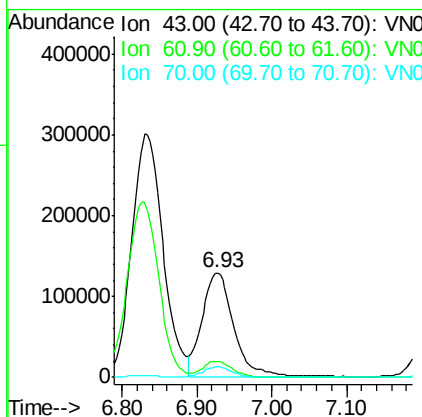
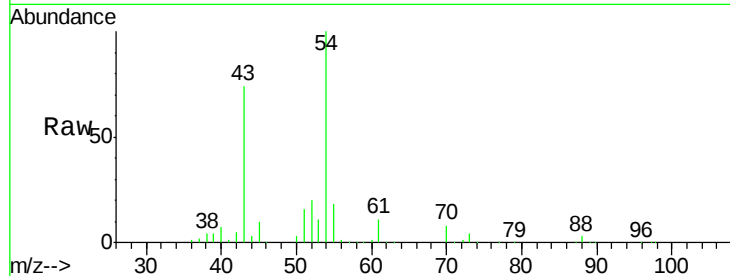
#37
Ethyl Acetate
Concen: 49.652 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022519

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	12.0	18.0
70	9.4	8.7	13.1

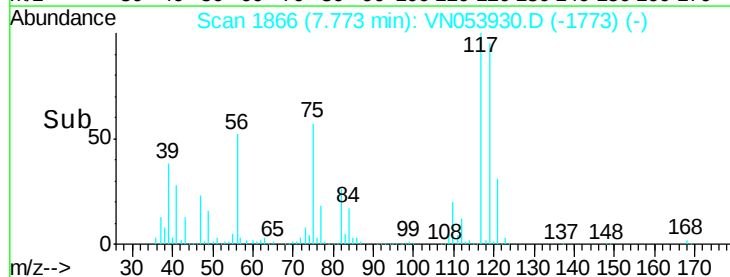
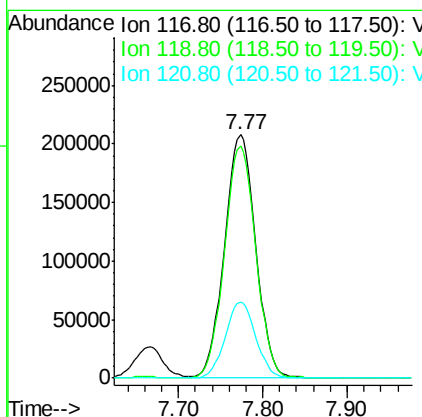
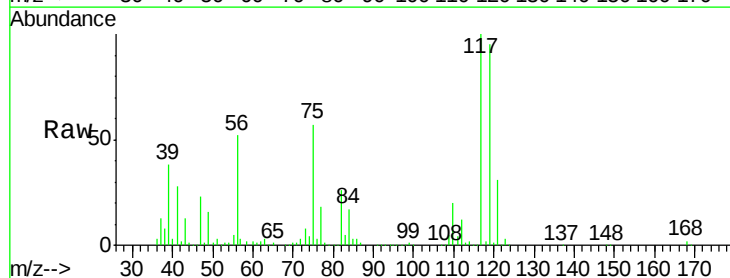
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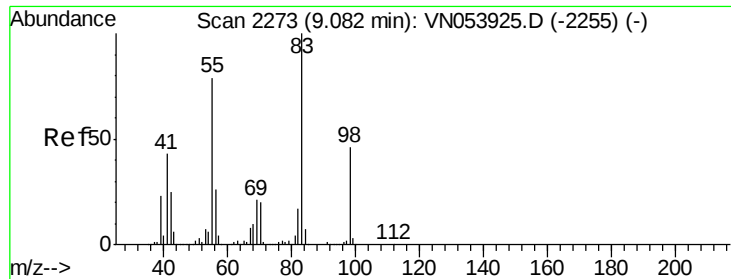
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#38
Carbon Tetrachloride
Concen: 48.253 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.2	114.2
121	31.2	24.6	36.8





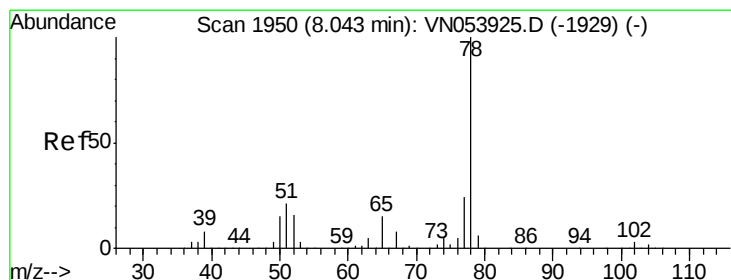
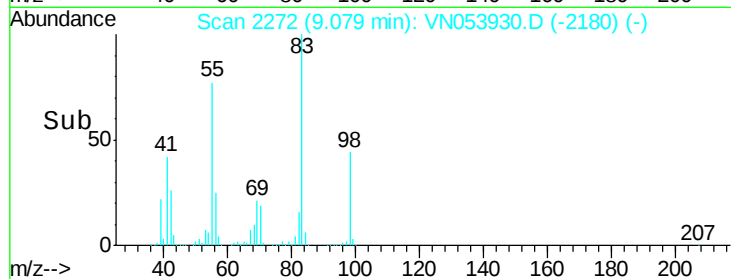
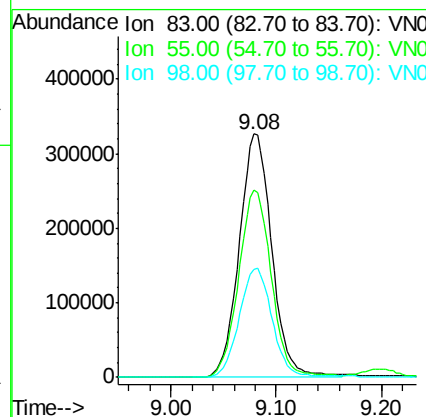
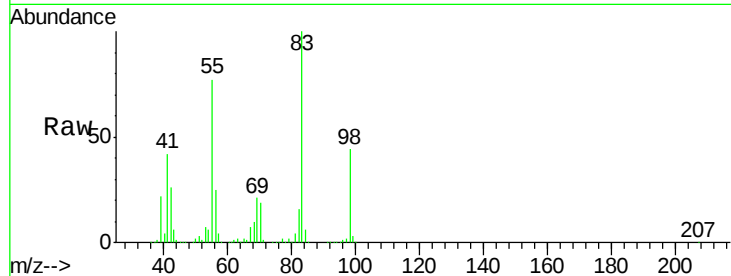
#39
Methvlcvclohexane
Concen: 54.651 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022519

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.9	58.2	87.4
98	44.4	37.2	55.8

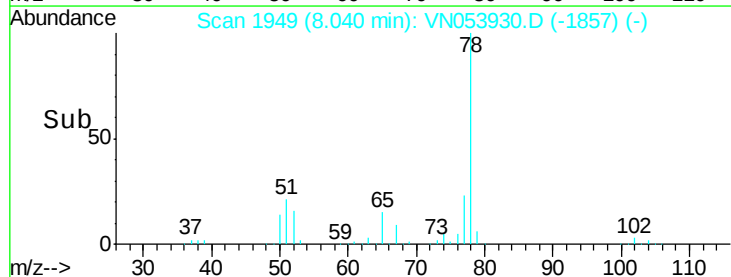
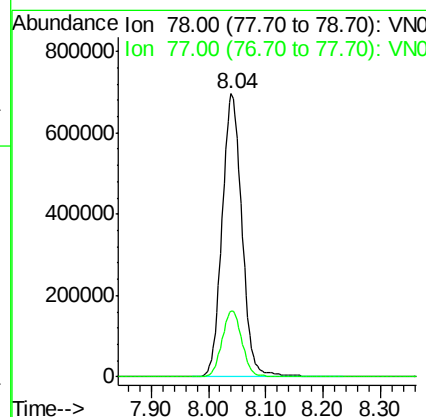
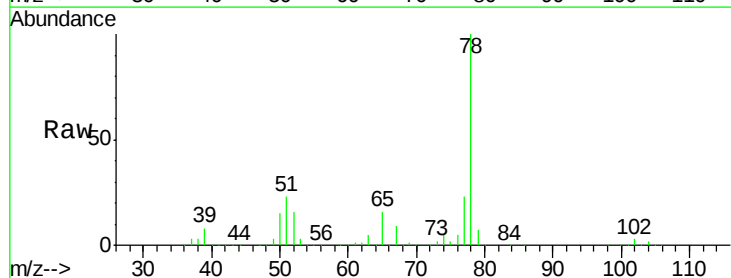
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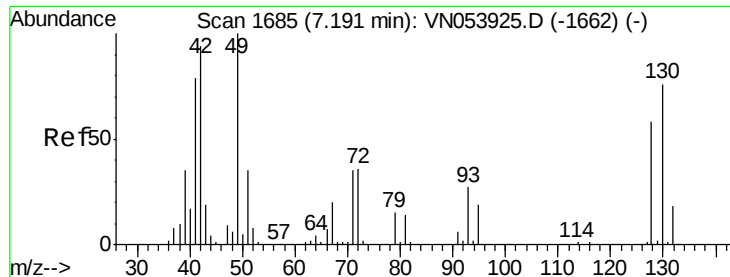
MMDadoda
2/28/2019 10:48:28 AM



#40
Benzene
Concen: 51.232 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





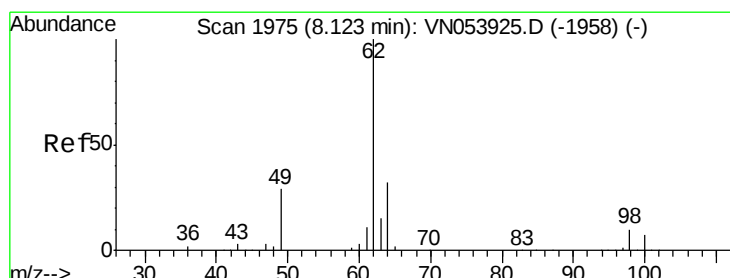
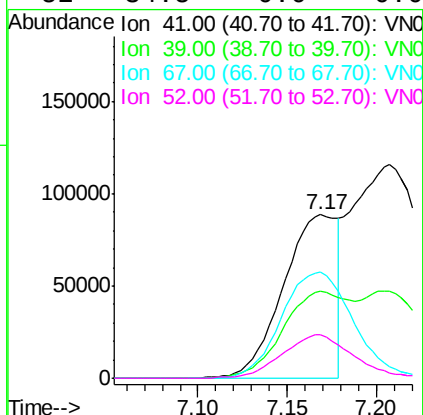
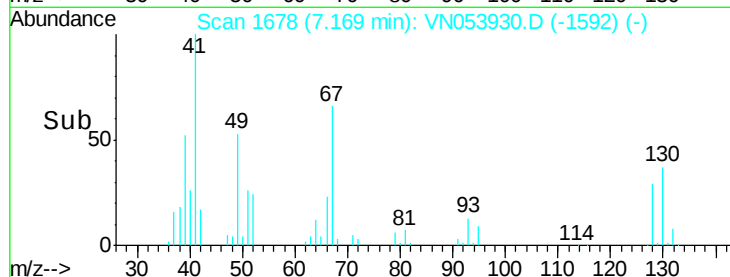
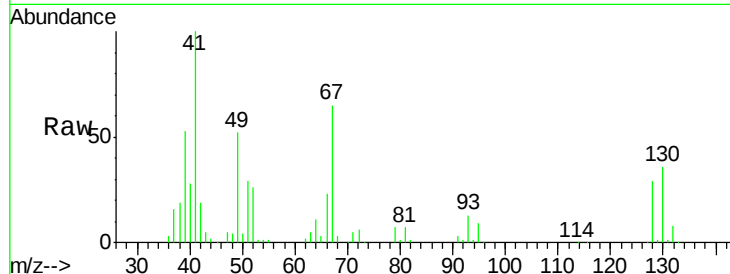
#41
Methacrylonitrile
Concen: 38.204 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.02 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022519

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	65.6	0.0	0.0#	
67	86.2	0.0	0.0#	
52	34.5	0.0	0.0#	

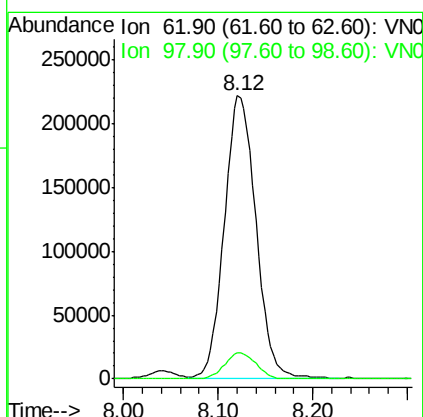
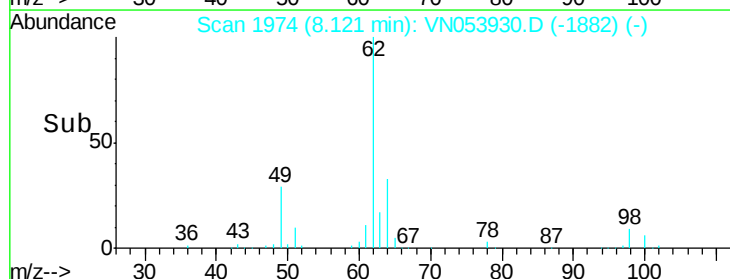
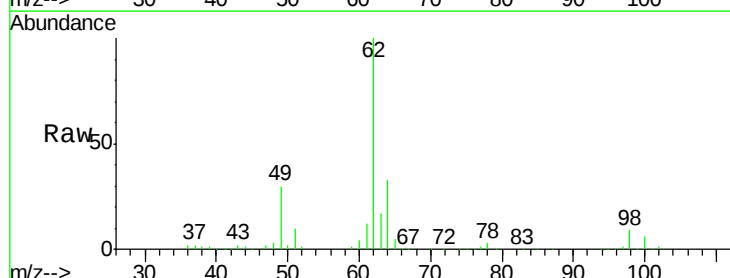
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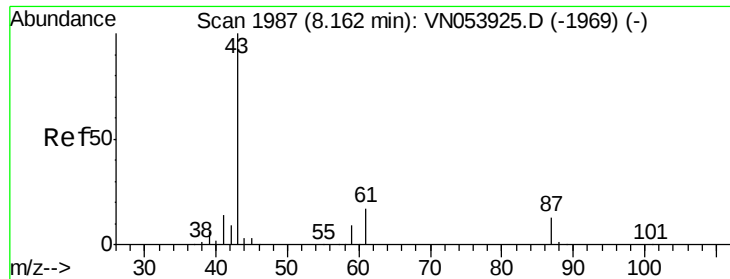
MMDadoda
2/28/2019 10:48:28 AM



#42
1,2-Dichloroethane
Concen: 50.689 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	20.8	





#43

Isopropyl Acetate

Concen: 52.003 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Instrument :

MSVOA_N

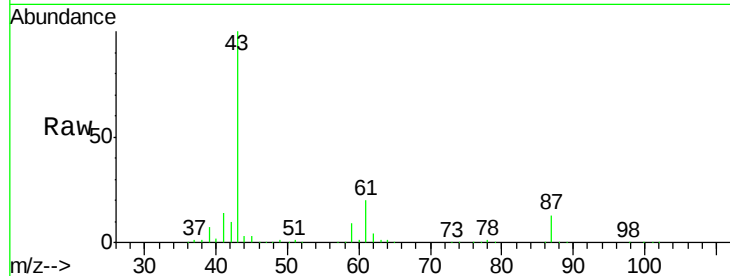
ClientSampleId :

ICVVN022519

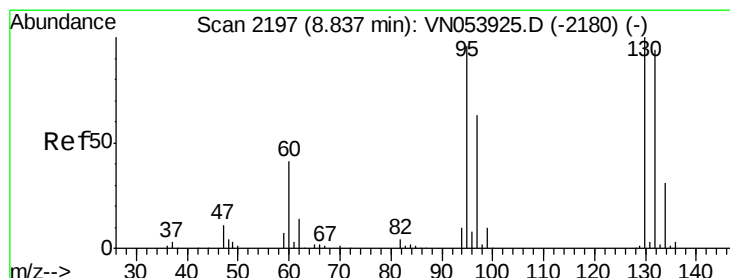
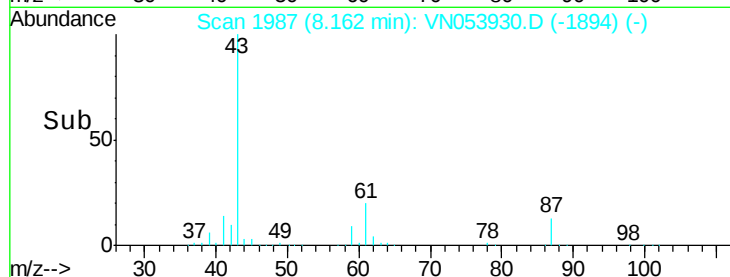
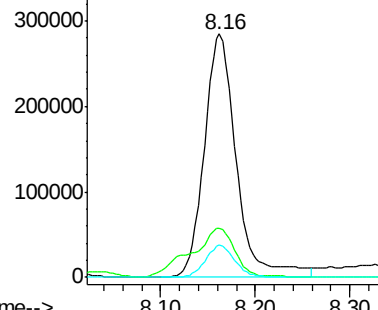
Tot Ion:	43	Resp:	667464
Ion	Ratio	Lower	Upper
43	100		
61	27.3	17.4	26.0#
87	12.1	11.5	17.3

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Abundance Ion 43.00 (42.70 to 43.70): VN053930.D (-1894) (-)



#44

Trichloroethene

Concen: 50.951 ug/l

RT: 8.83 min Scan# 2196

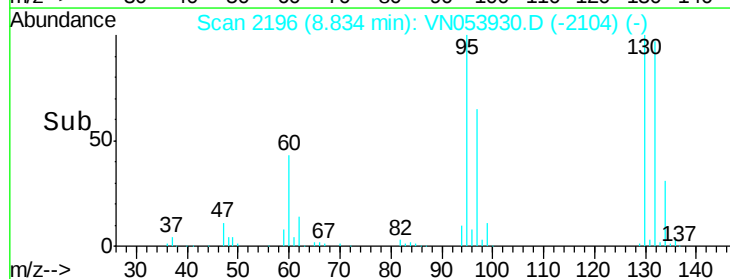
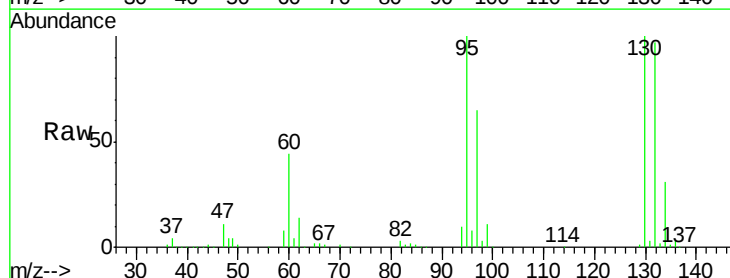
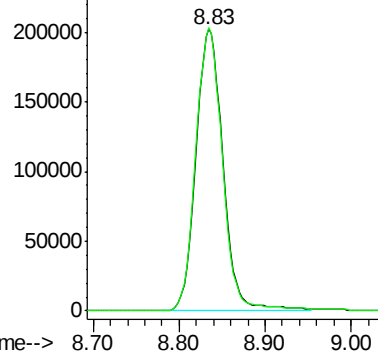
Delta R.T. -0.00 min

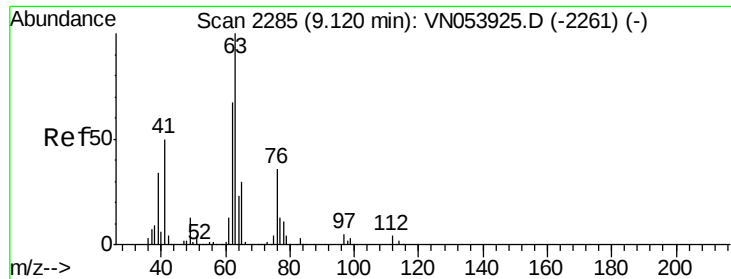
Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Tgt Ion:	130	Resp:	441781
Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	190.0

Abundance Ion 129.80 (129.50 to 130.50): VN053930.D (-2104) (-)





#45

1,2-Dichloropropane

Concen: 50.764 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022519

Tot Ion: 63 Resp: 447928

Ion Ratio Lower Upper

63 100

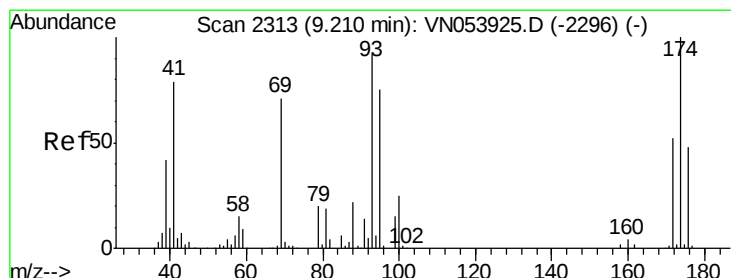
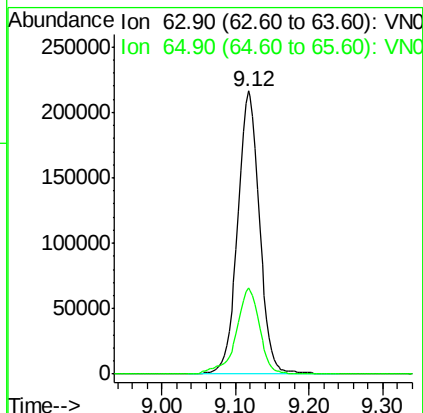
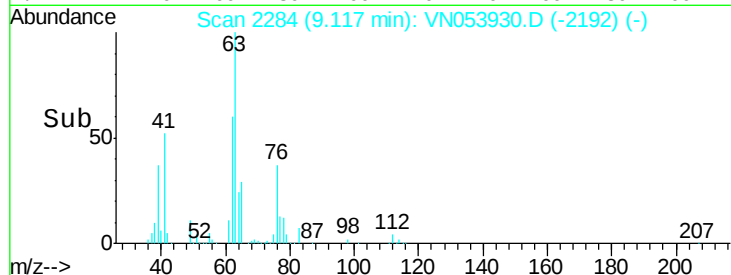
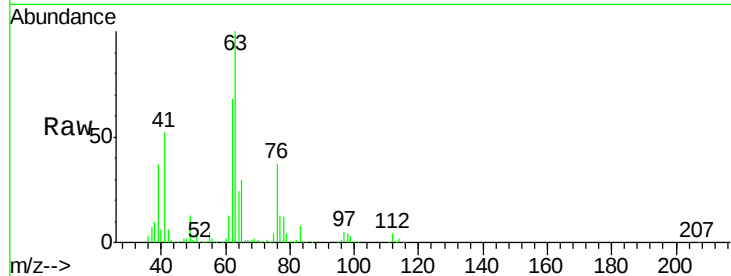
65 30.3 24.3 36.5

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#46

Dibromomethane

Concen: 49.827 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

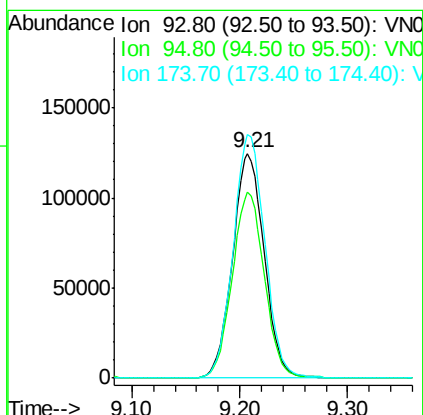
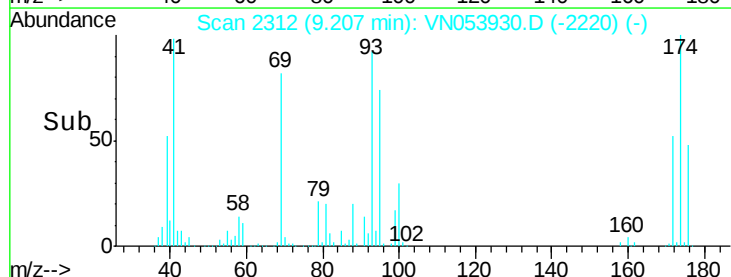
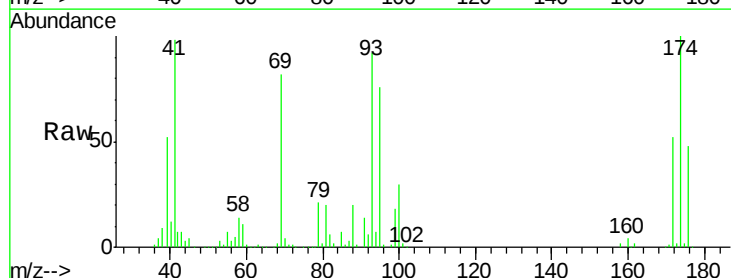
Tgt Ion: 93 Resp: 255249

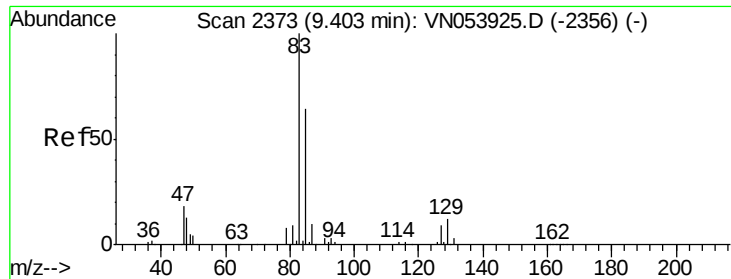
Ion Ratio Lower Upper

93 100

95 83.9 66.6 100.0

174 108.6 96.2 144.4





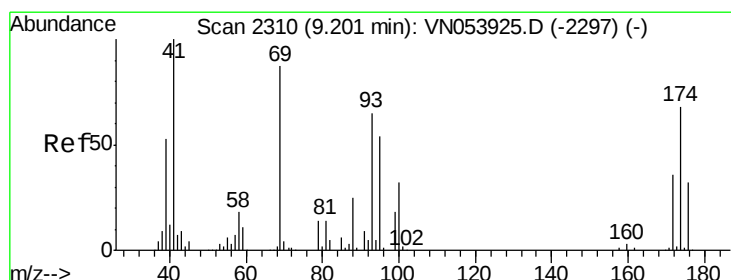
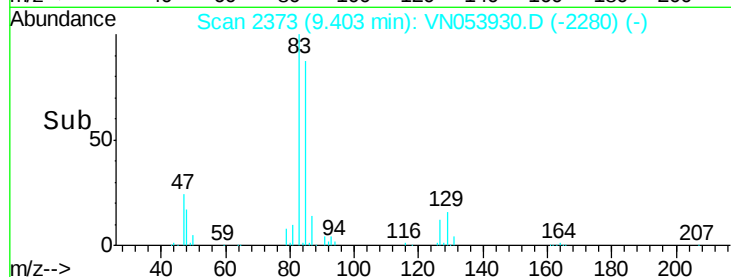
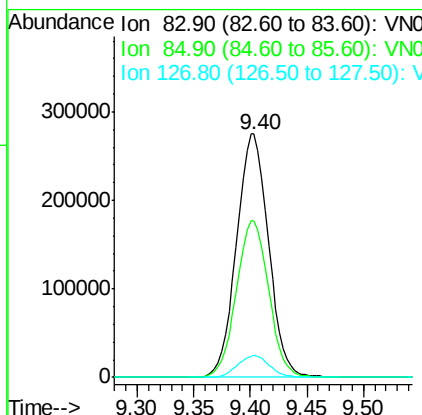
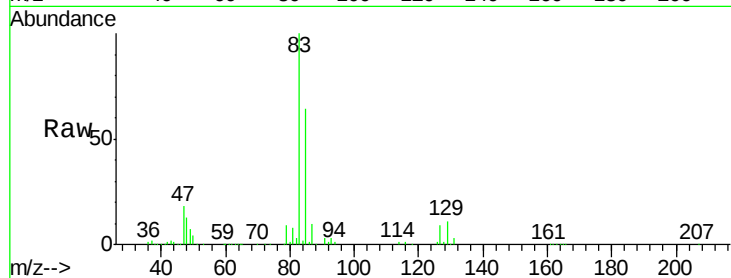
#47
Bromodichloromethane
Concen: 50.377 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022519

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.3	51.8	77.6	
127	8.9	7.4	11.0	

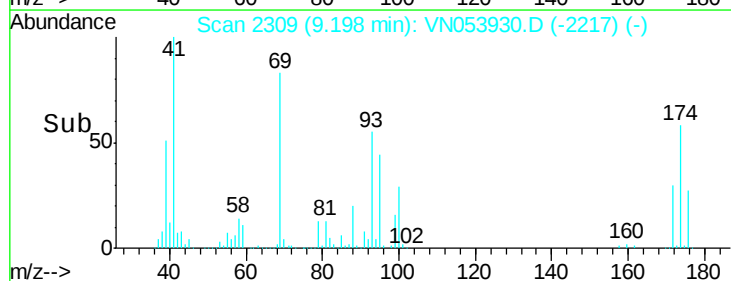
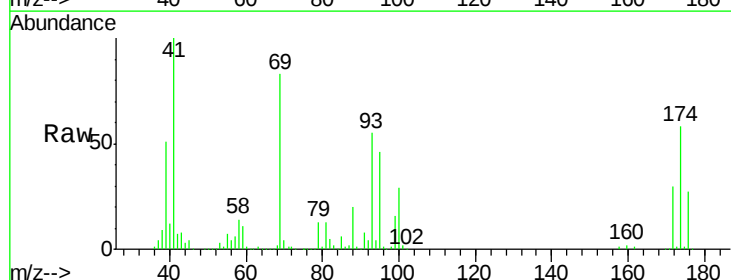
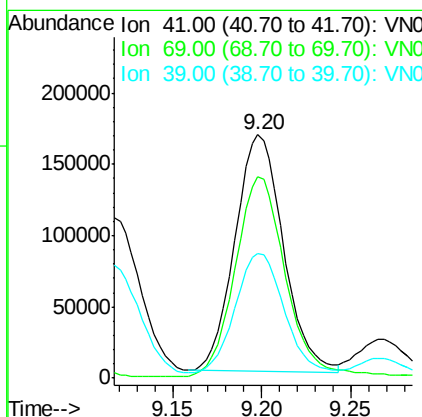
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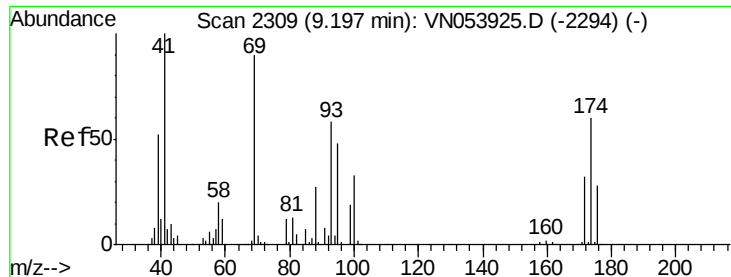
MMDadoda
2/28/2019 10:48:28 AM



#48
Methyl methacrylate
Concen: 53.362 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	88.8	74.8	112.2	
39	55.0	39.0	58.6	





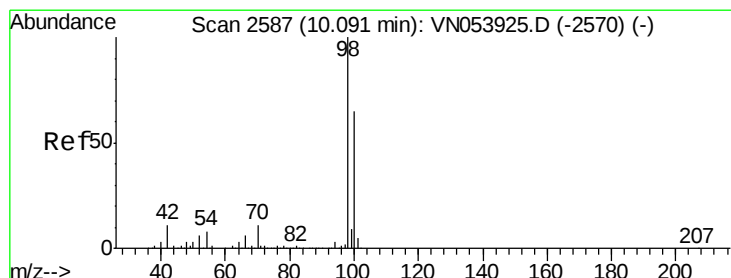
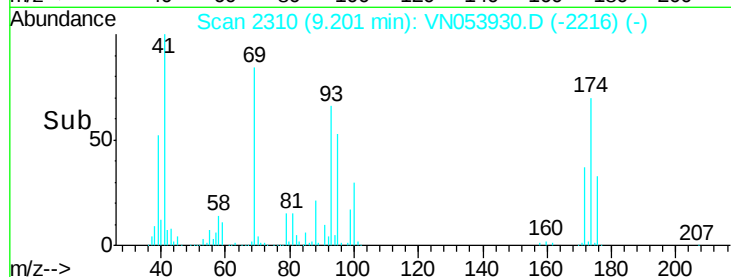
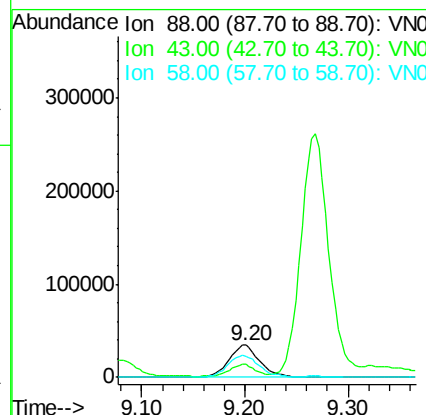
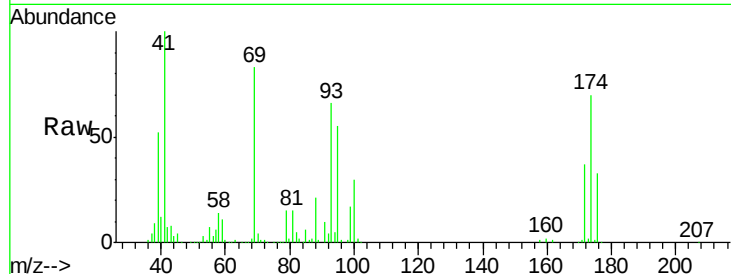
#49
1,4-Dioxane
Concen: 900.164 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022519

Tot Ion: 88 Resp: 71979
Ion Ratio Lower Upper
88 100
43 32.8 21.2 31.8#
58 70.9 54.2 81.2

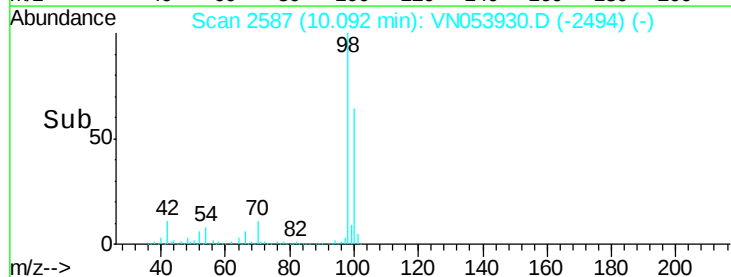
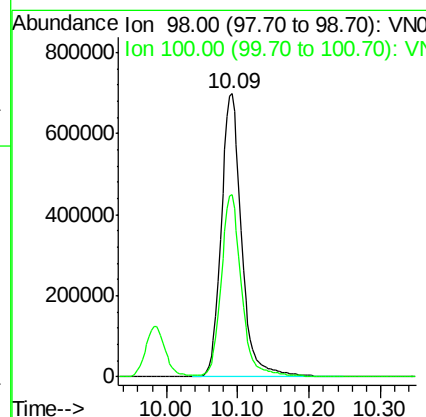
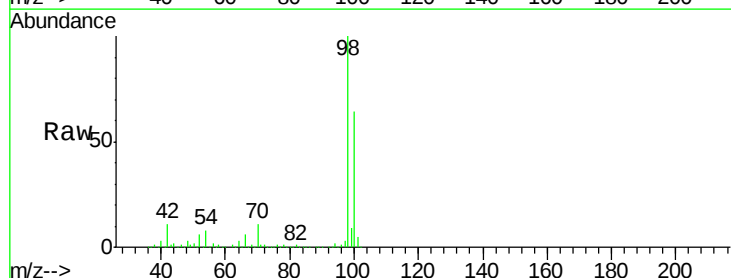
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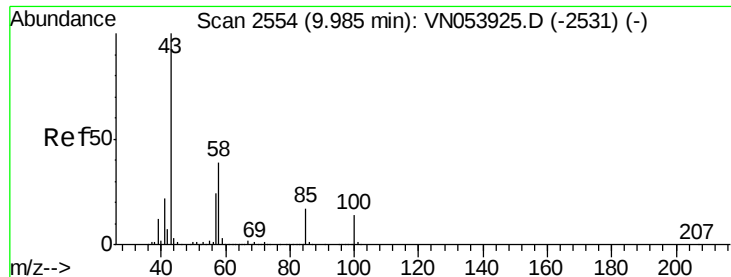
MMDadoda
2/28/2019 10:48:28 AM



#50
Toluene-d8
Concen: 50.182 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Tgt Ion: 98 Resp: 1382919
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 269.809 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022519

Tot Ion: 43 Resp: 1779528

Ion Ratio Lower Upper

43 100

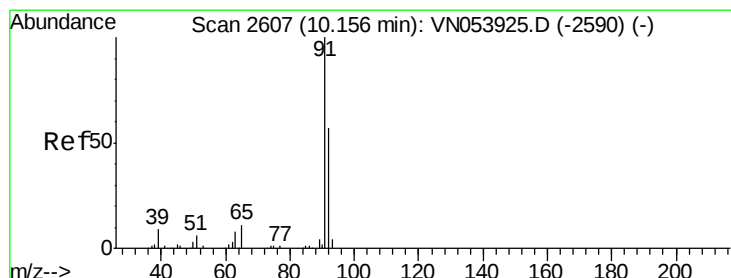
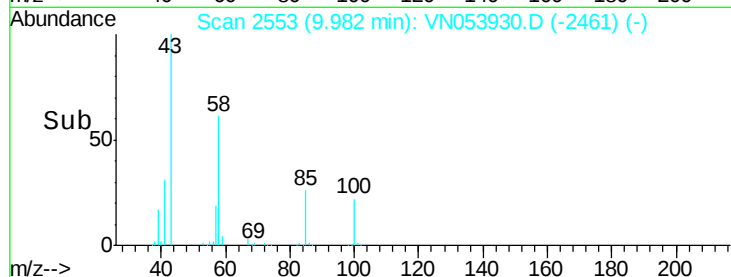
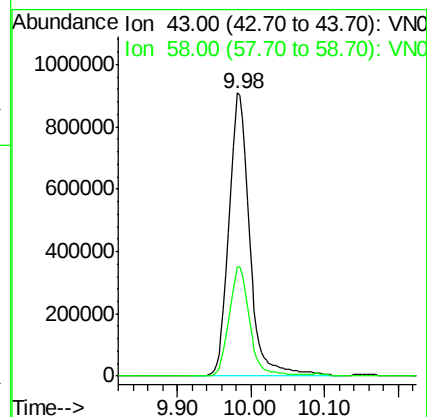
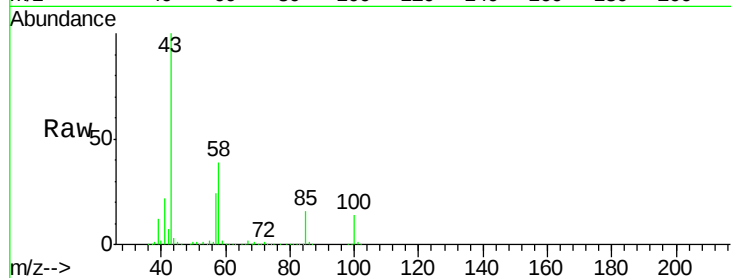
58 38.4 32.7 49.1

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2/28/2019 10:48:28 AM



#52

Toluene

Concen: 52.182 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053930.D

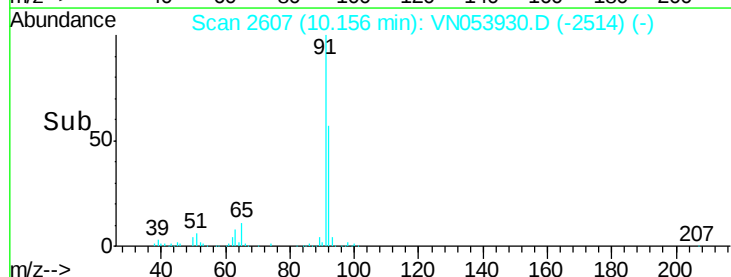
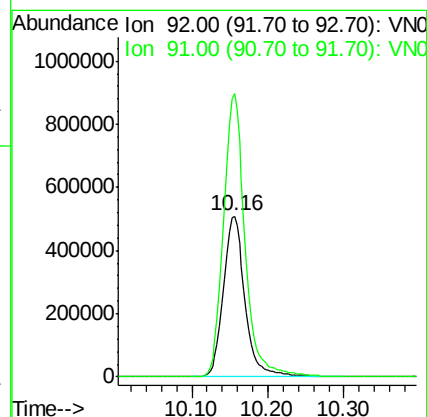
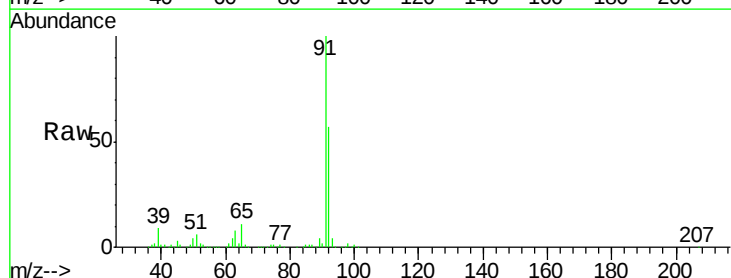
Acq: 25 Feb 2019 15:23

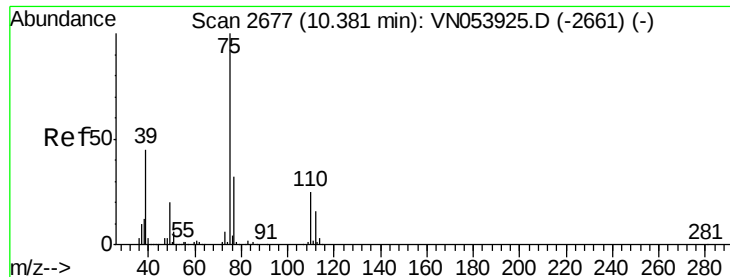
Tgt Ion: 92 Resp: 1004931

Ion Ratio Lower Upper

92 100

91 175.8 138.4 207.6





#53

t-1,3-Dichloropropene

Concen: 54.246 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022519

Tot Ion: 75 Resp: 569810

Ion Ratio Lower Upper

75 100

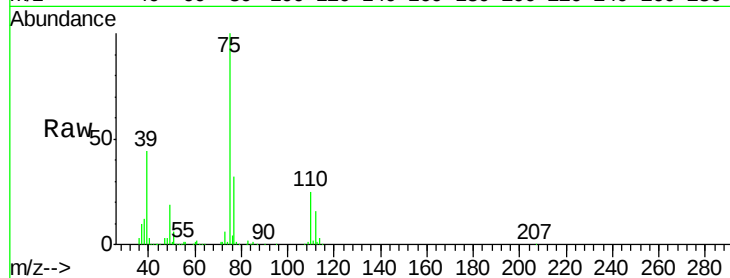
77 32.2 25.0 37.6

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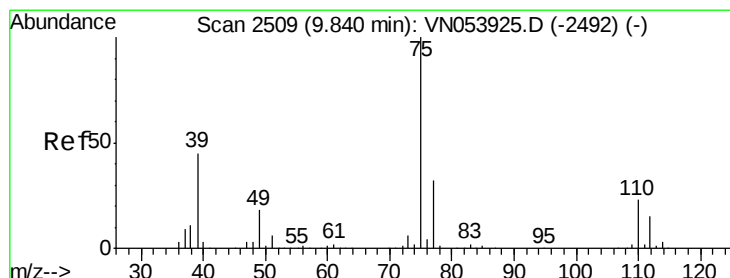
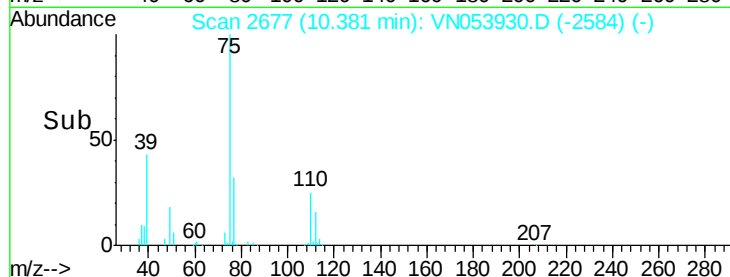
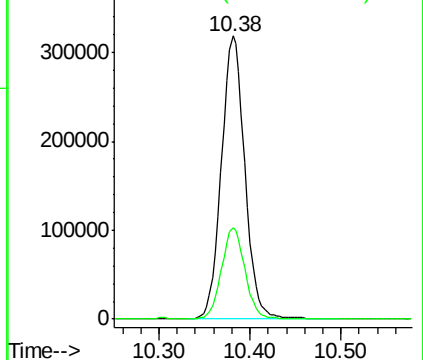
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 53.245 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

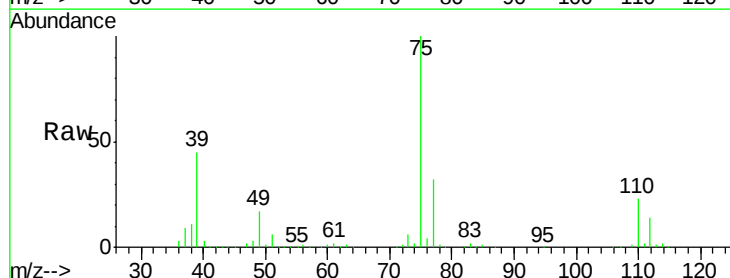
Tgt Ion: 75 Resp: 659346

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.6

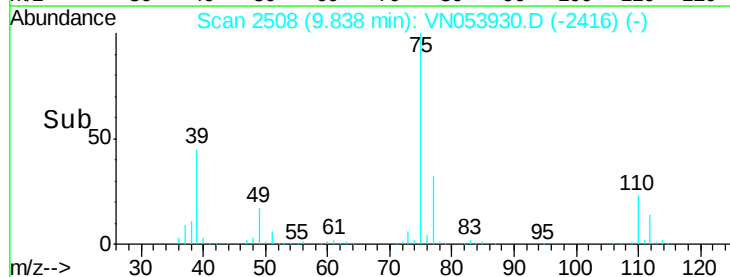
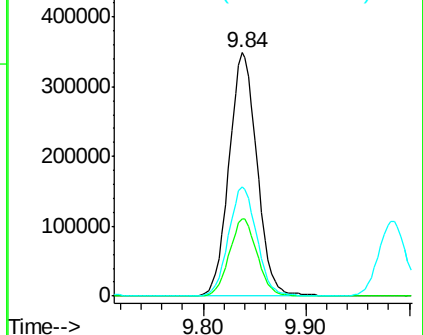
39 45.0 31.4 47.0

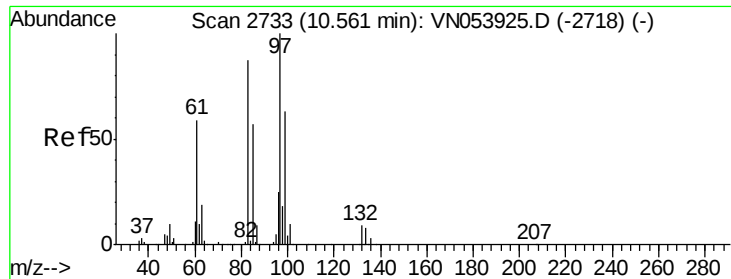


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





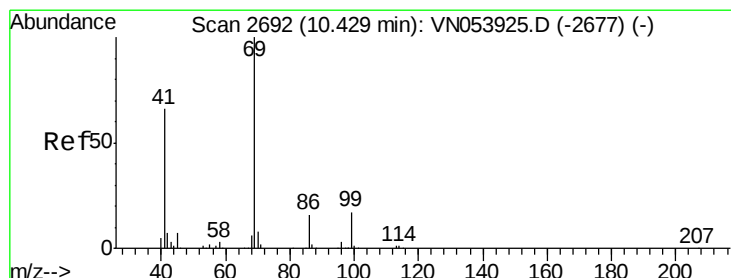
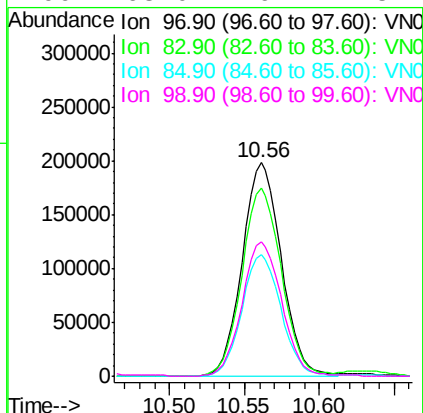
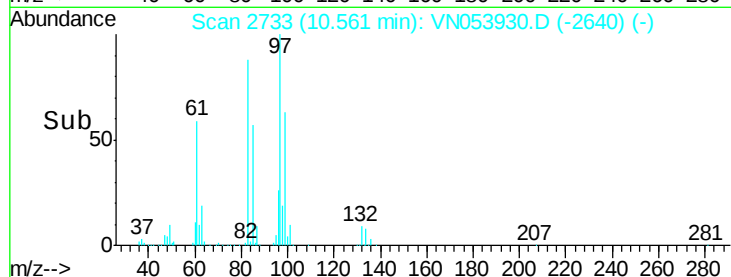
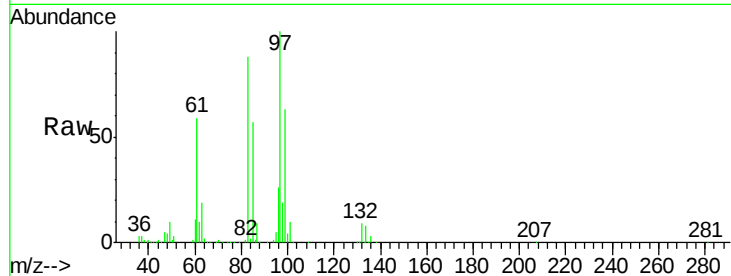
#55
 1,1,2-Trichloroethane
 Concen: 50.199 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053930.D
 Acq: 25 Feb 2019 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022519

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		361038		
83	88.1	69.5	104.3		
85	57.0	45.9	68.9		
99	63.0	49.1	73.7		

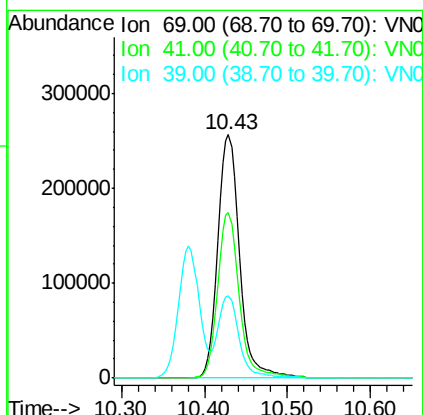
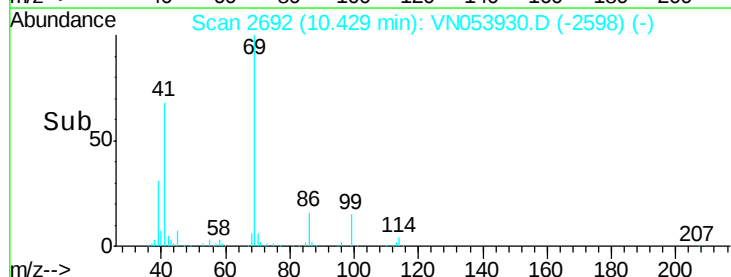
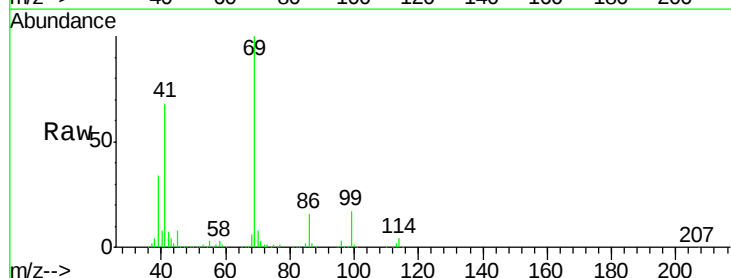
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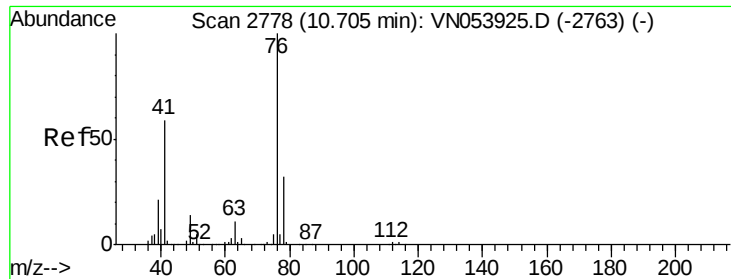
MMDadoda
 2/28/2019 10:48:28 AM



#56
 Ethyl methacrylate
 Concen: 49.460 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053930.D
 Acq: 25 Feb 2019 15:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		466223		
41	66.6	47.5	71.3		
39	32.9	23.4	35.0		





#57

1,3-Dichloropropane

Concen: 51.745 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022519

Tot Ion: 76 Resp: 628814

Ion Ratio Lower Upper

76 100

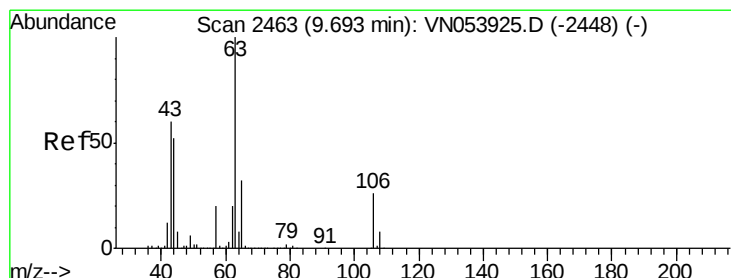
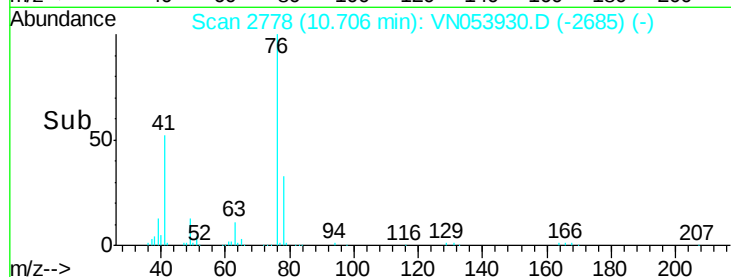
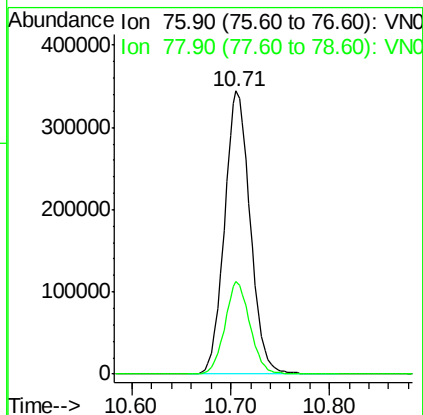
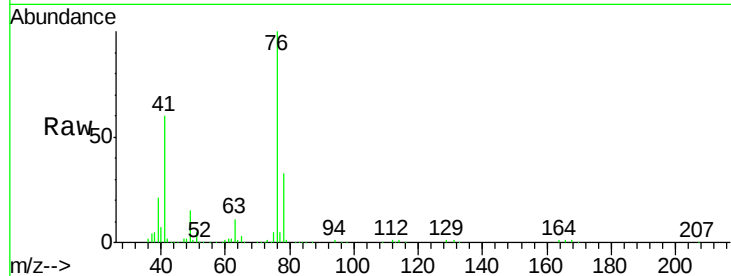
78 32.0 25.2 37.8

Manual Integrations

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2/28/2019 10:48:28 AM



#58

2-Chloroethyl Vinyl ether

Concen: 266.413 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053930.D

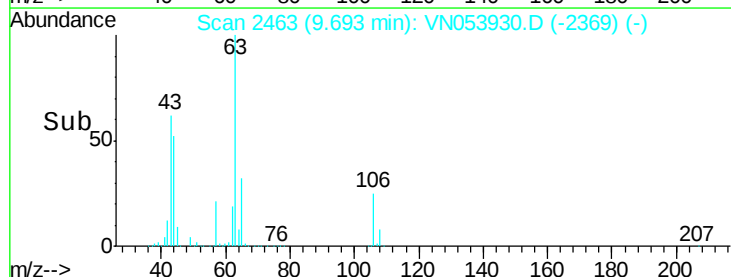
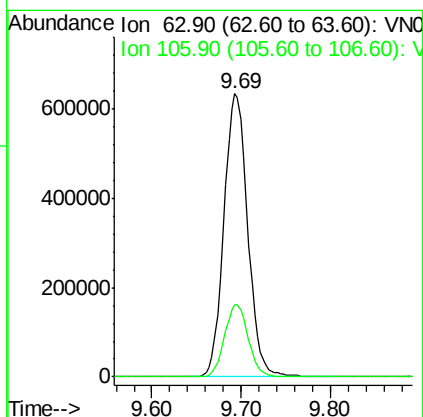
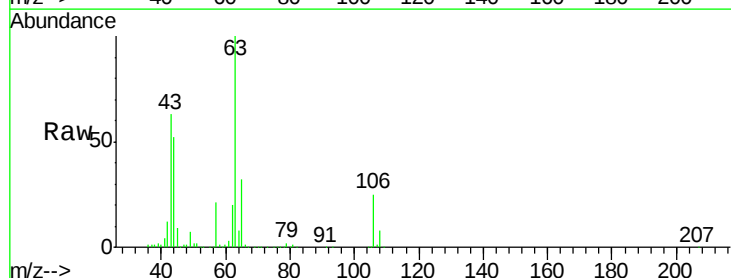
Acq: 25 Feb 2019 15:23

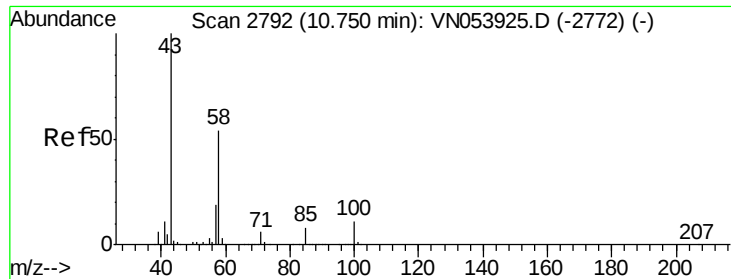
Tgt Ion: 63 Resp: 1173848

Ion Ratio Lower Upper

63 100

106 25.5 22.2 33.2





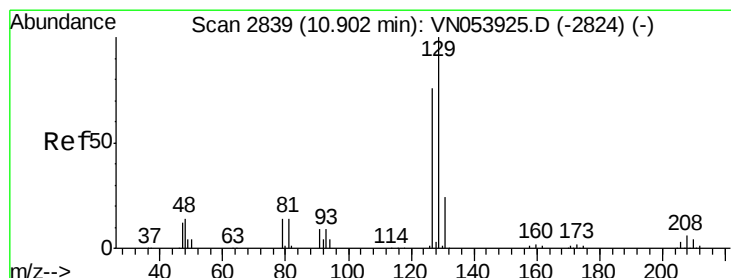
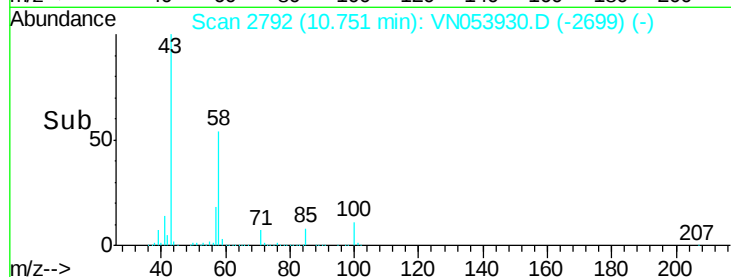
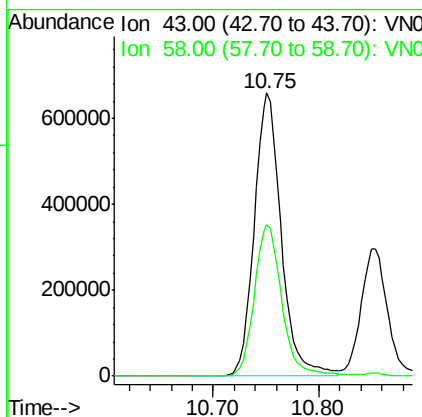
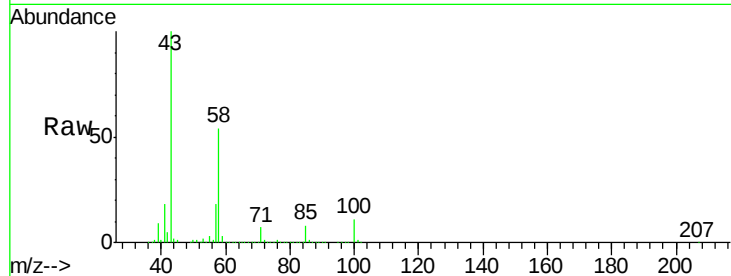
#59
2-Hexanone
Concen: 273.454 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022519

Tot Ion: 43 Resp: 1173010
Ion Ratio Lower Upper
43 100
58 54.6 29.1 87.4

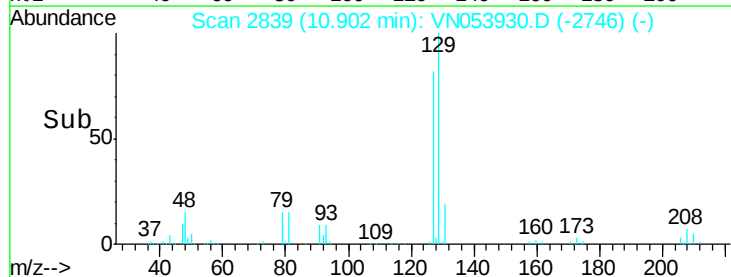
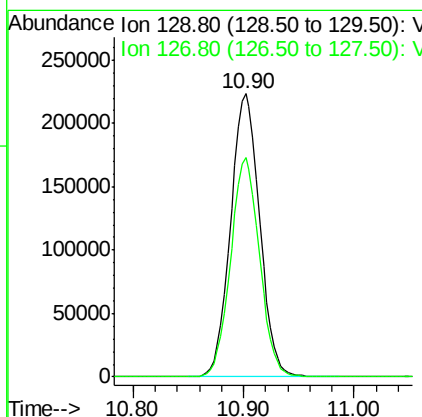
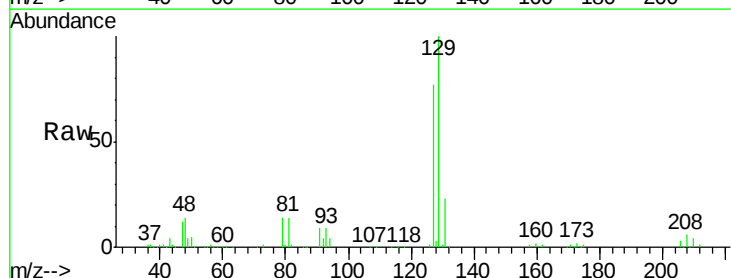
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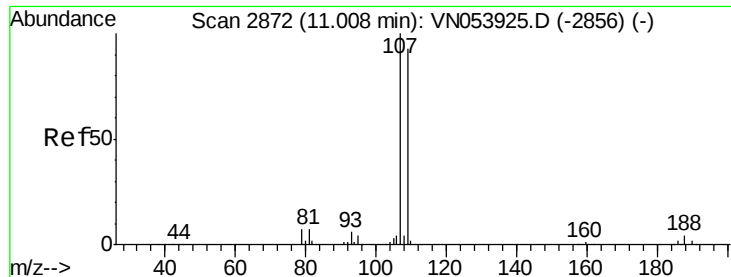
MMDadoda
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#60
Dibromochloromethane
Concen: 51.132 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Tgt Ion: 129 Resp: 408705
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.3





#61

1,2-Dibromoethane

Concen: 50.498 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022519

Tot Ion: 107 Resp: 350350

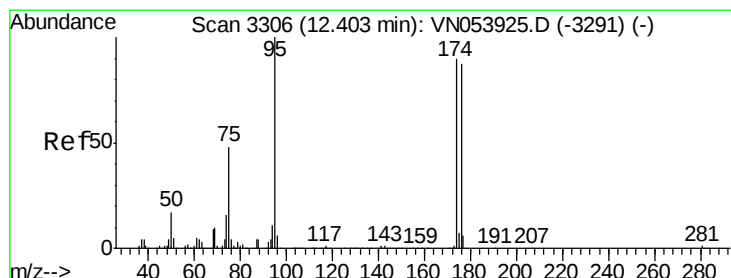
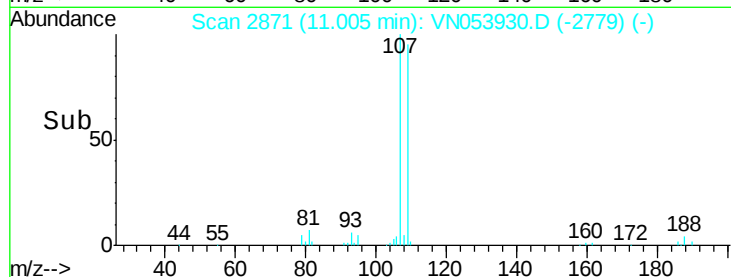
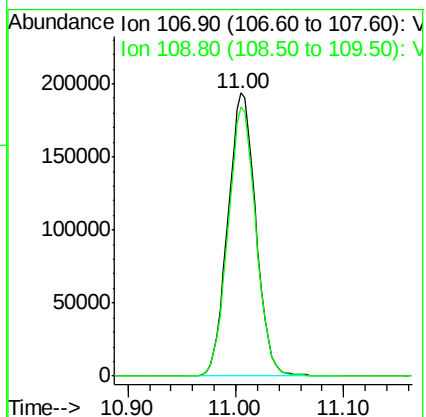
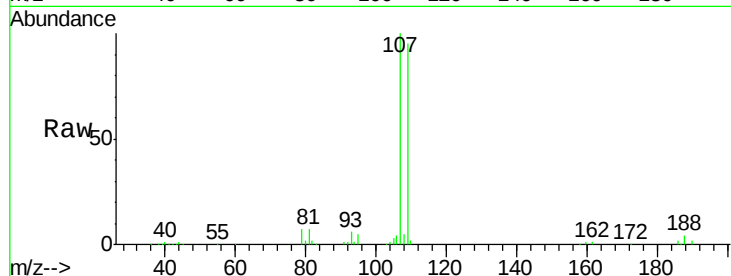
Ion Ratio Lower Upper

107 100

109 94.9 76.3 114.5

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 51.207 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

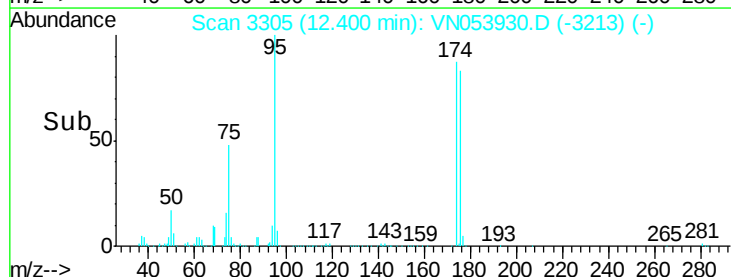
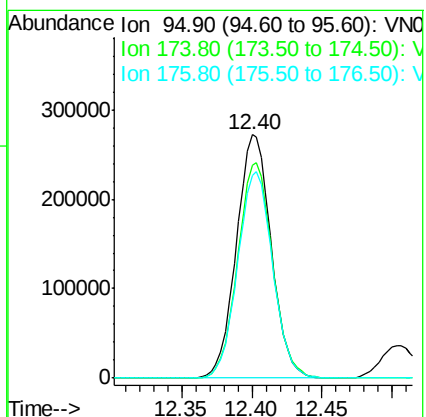
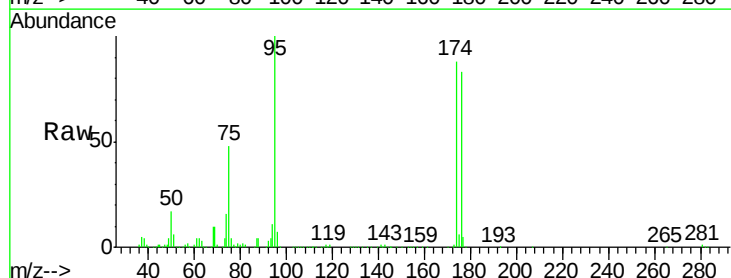
Tgt Ion: 95 Resp: 470159

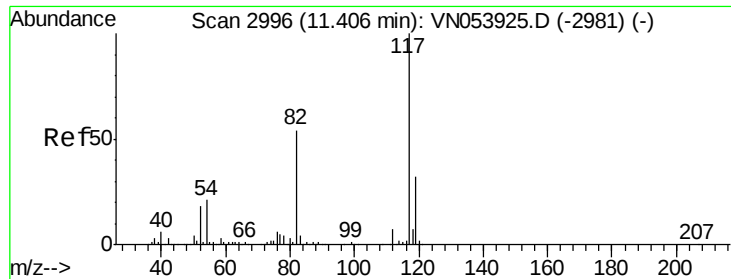
Ion Ratio Lower Upper

95 100

174 88.6 0.0 188.8

176 85.3 0.0 182.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Instrument :

MSVOA_N

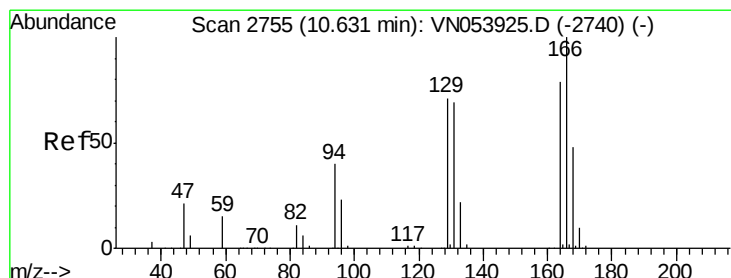
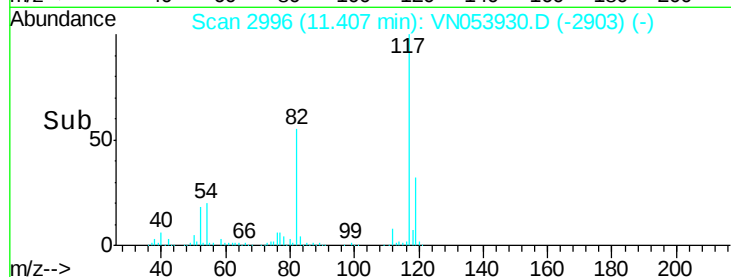
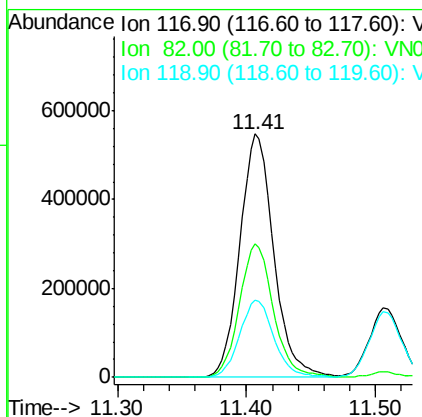
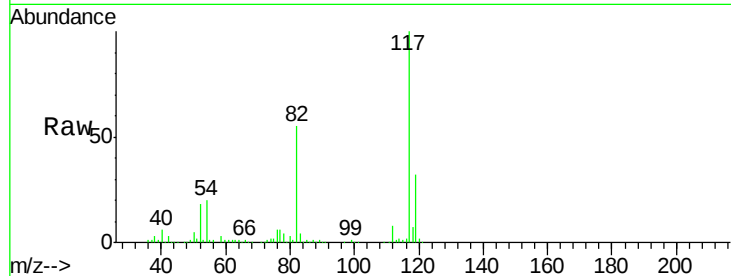
ClientSampleId :

ICVVN022519

Tot Ion:	117	Resp:	1002315
Ion	Ratio	Lower	Upper
117	100		
82	54.8	41.4	62.2
119	31.9	25.3	37.9

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#64

Tetrachloroethene

Concen: 50.274 ug/l

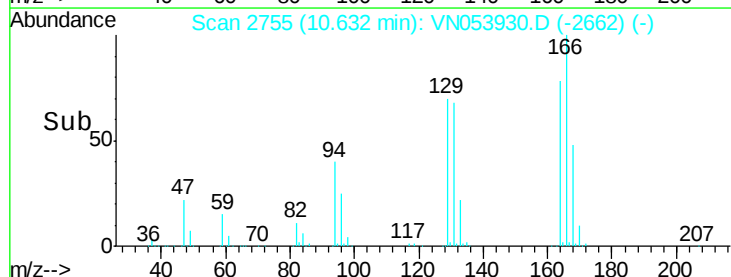
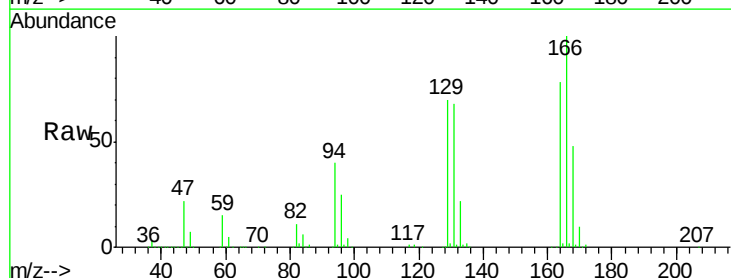
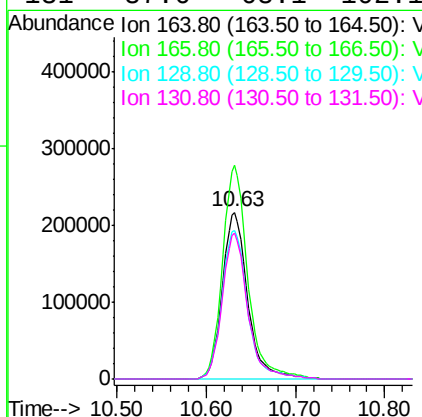
RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Tgt Ion:	164	Resp:	426693
Ion	Ratio	Lower	Upper
164	100		
166	128.2	102.6	153.8
129	89.5	69.4	104.0
131	87.6	68.1	102.1





#65

Chlorobenzene

Concen: 51.193 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022519

Tot Ion:112 Resp: 1082913

Ion Ratio Lower Upper

112 100

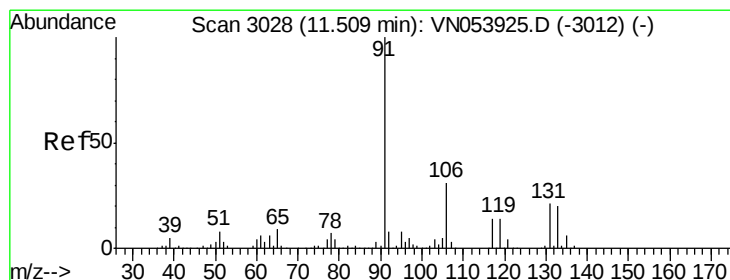
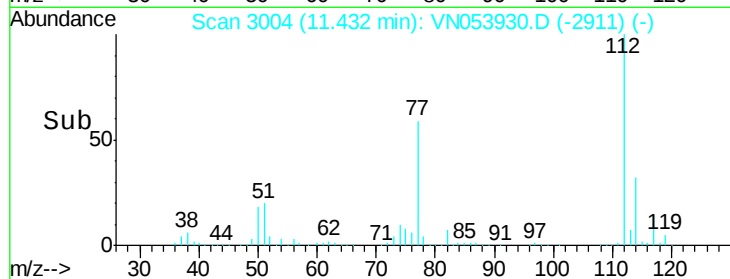
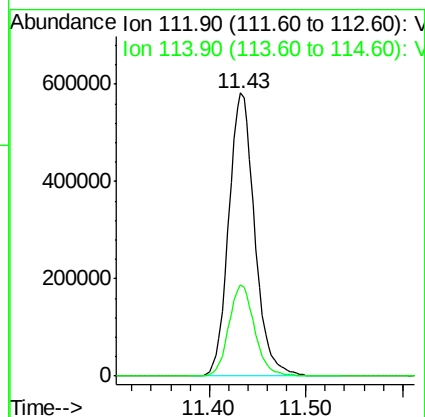
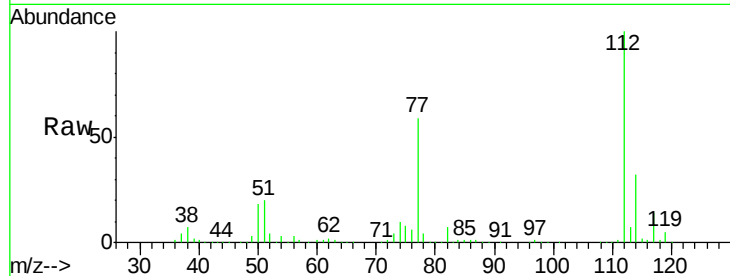
114 32.1 25.7 38.5

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 51.469 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

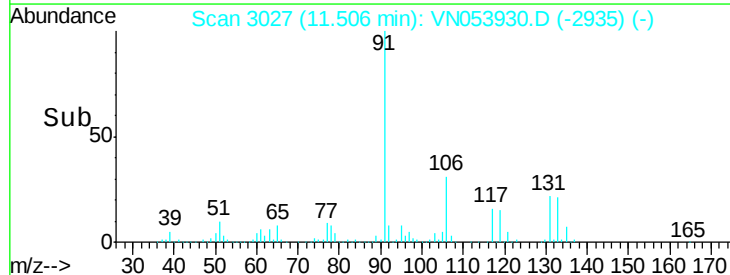
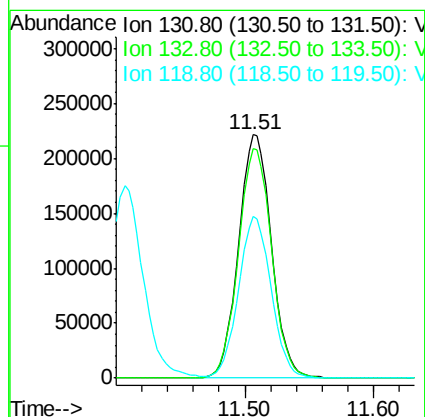
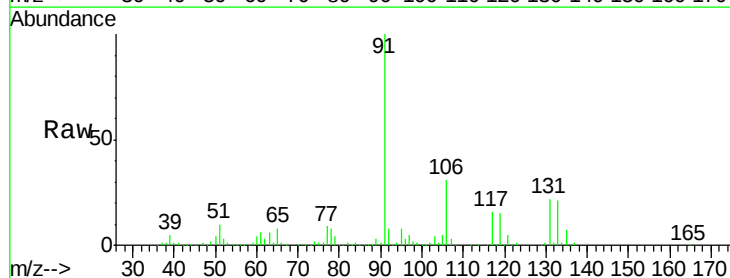
Tgt Ion:131 Resp: 392390

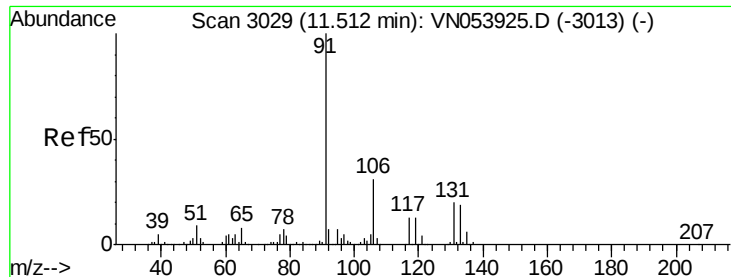
Ion Ratio Lower Upper

131 100

133 95.6 47.7 143.1

119 66.1 33.1 99.3





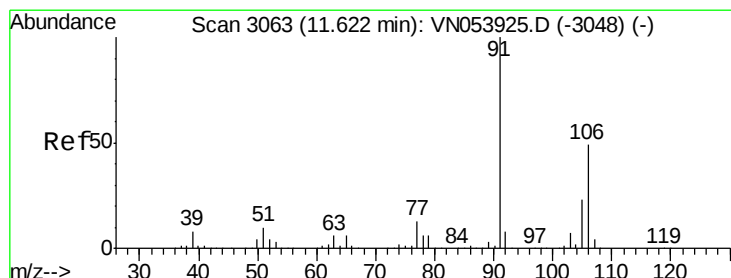
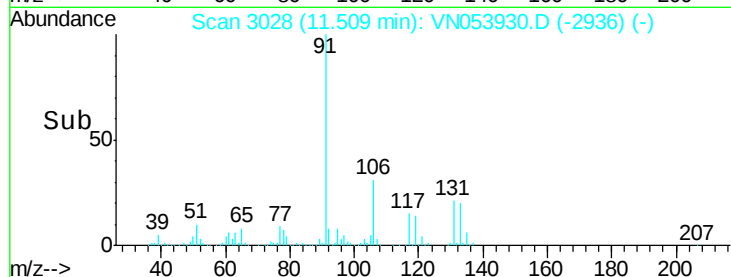
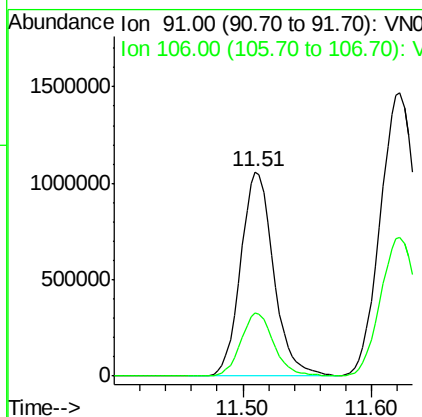
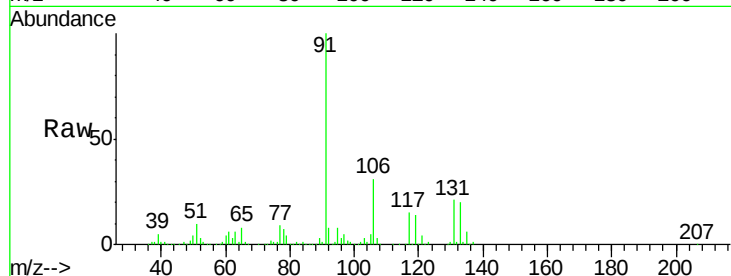
#67
Ethyl Benzene
Concen: 53.133 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022519

Tot Ion: 91 Resp: 1884238
Ion Ratio Lower Upper
91 100
106 31.1 25.2 37.8

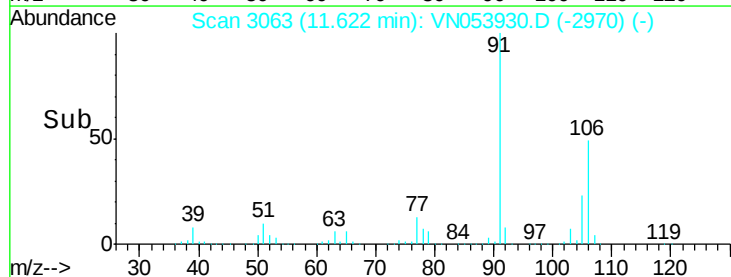
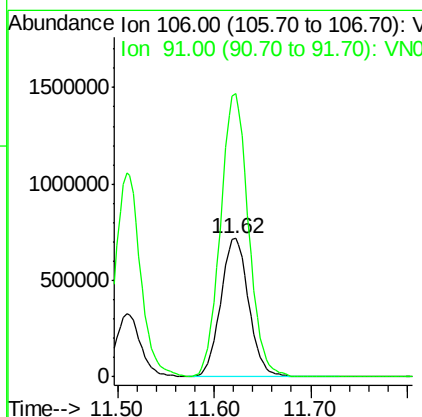
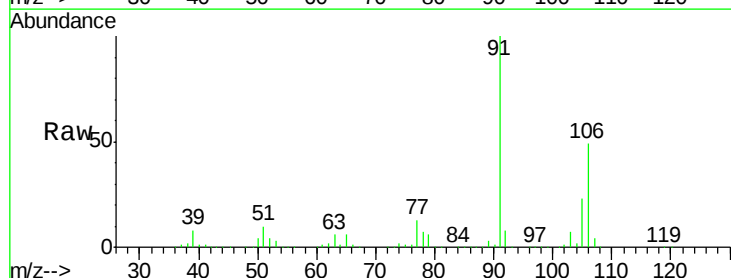
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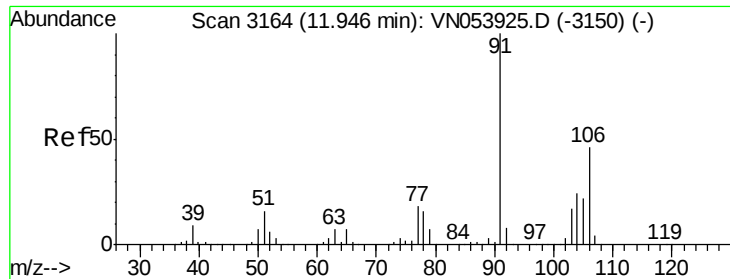
MMDadoda
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#68
m/p-Xylenes
Concen: 108.265 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Tgt Ion: 106 Resp: 1449055
Ion Ratio Lower Upper
106 100
91 203.8 158.9 238.3





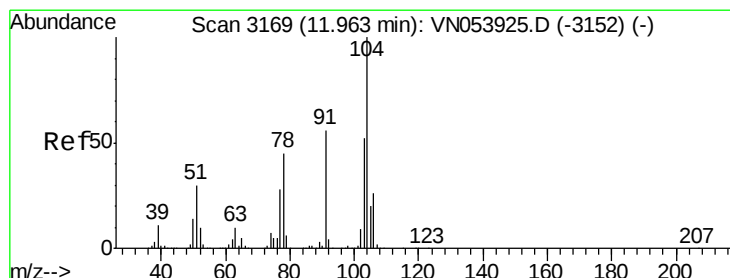
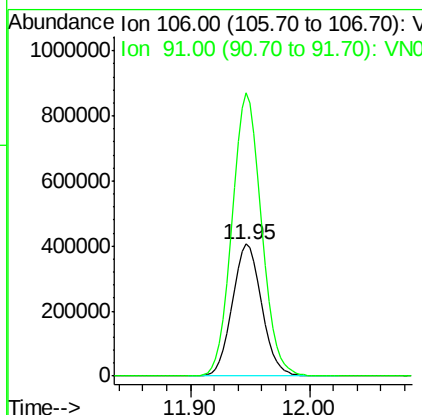
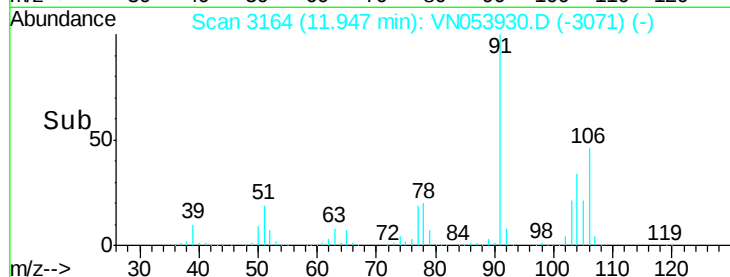
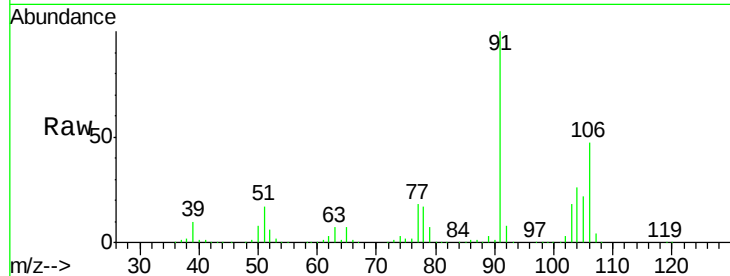
#69
o-Xylene
Concen: 52.910 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022519

Tot Ion:106 Resp: 695832
Ion Ratio Lower Upper
106 100
91 214.5 106.0 318.0

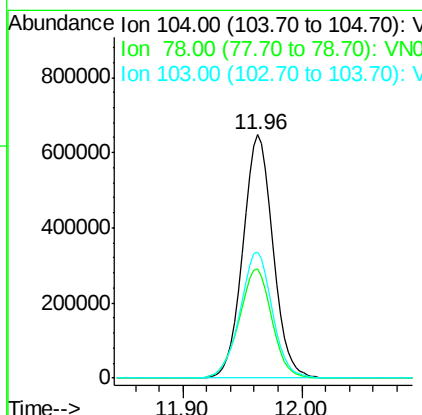
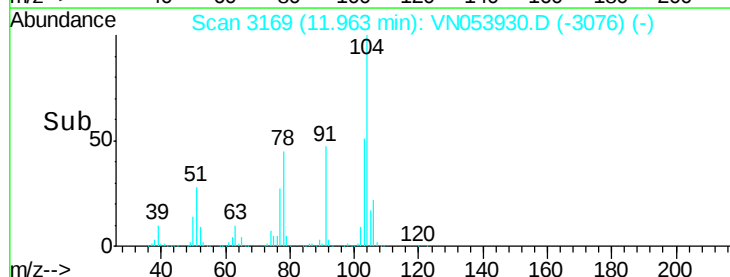
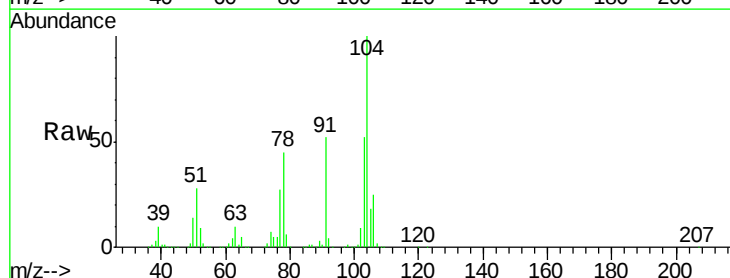
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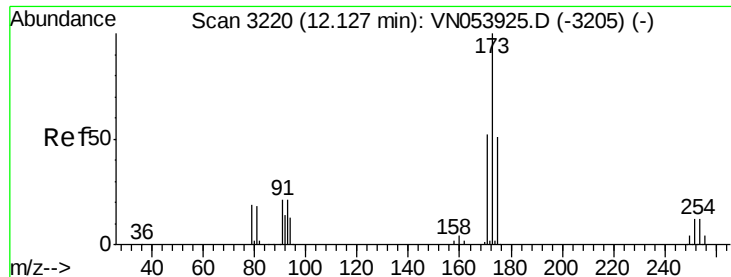
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#70
Styrene
Concen: 56.084 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Tgt Ion:104 Resp: 1134460
Ion Ratio Lower Upper
104 100
78 49.0 38.1 57.1
103 55.7 44.6 67.0





#71

Bromoform

Concen: 52.429 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Instrument :

MSVOA_N

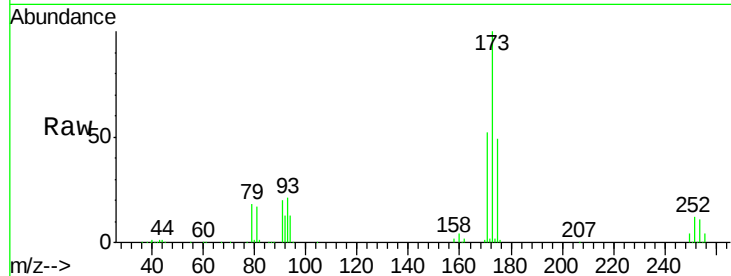
ClientSampleId :

ICVVN022519

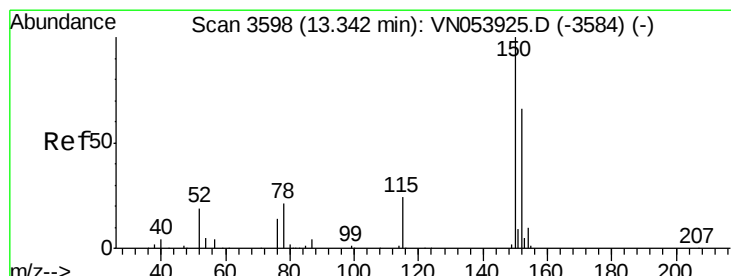
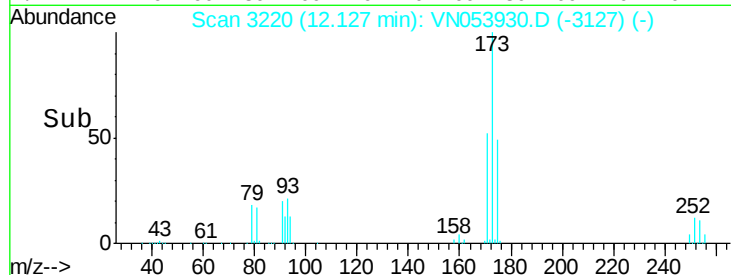
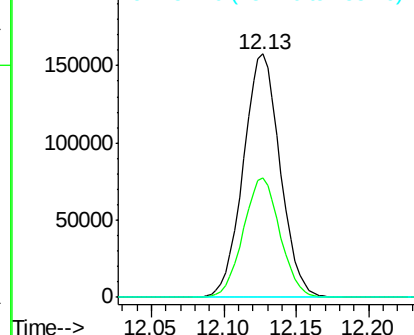
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.8
254	0.1	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

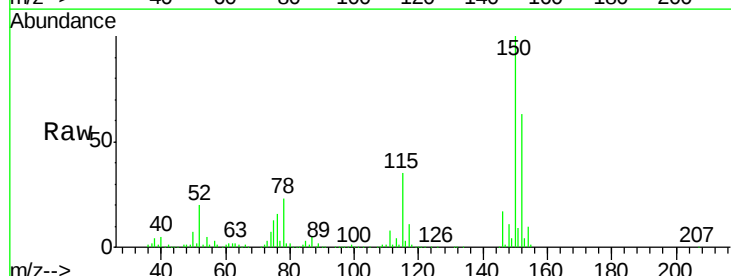
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

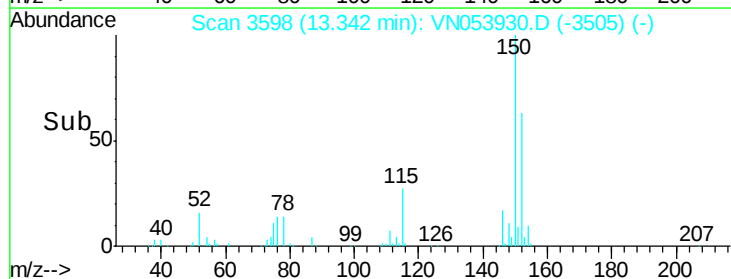
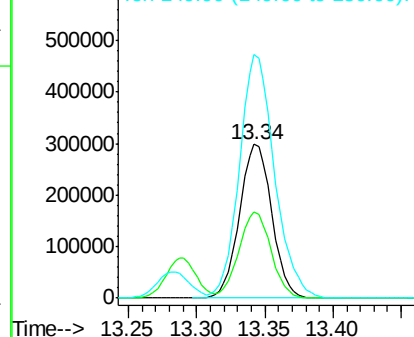
Lab File: VN053930.D

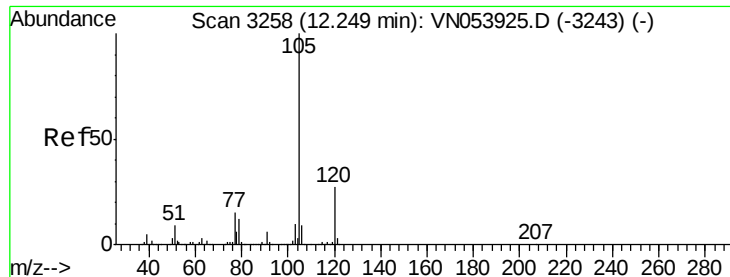
Acq: 25 Feb 2019 15:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.2	81.6
150	172.4	0.0	348.2



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





#73

Isopropylbenzene

Concen: 48.204 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022519

Tot Ion: 105 Resp: 1836974

Ion Ratio Lower Upper

105 100

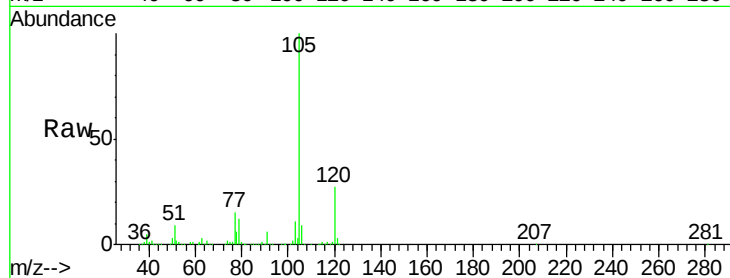
120 26.4 13.5 40.5

Manual Integrations

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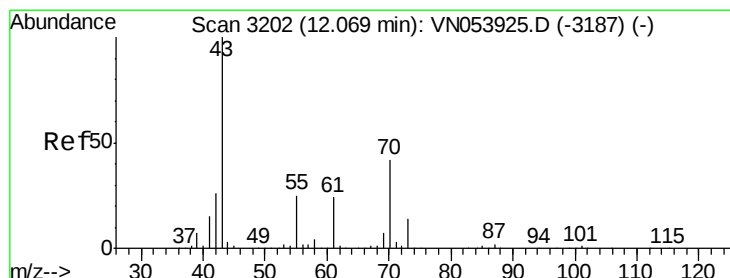
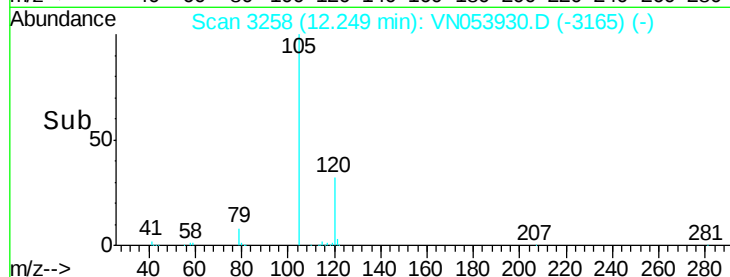
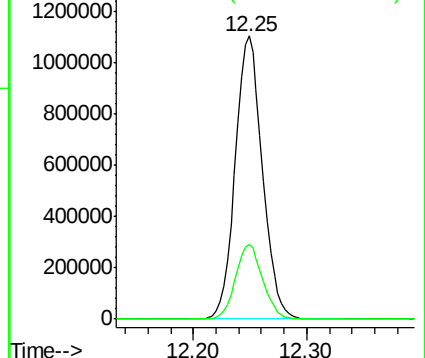
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.963 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Tgt Ion: 43 Resp: 519006

Ion Ratio Lower Upper

43 100

70 41.0 37.4 56.2

55 25.0 21.4 32.0

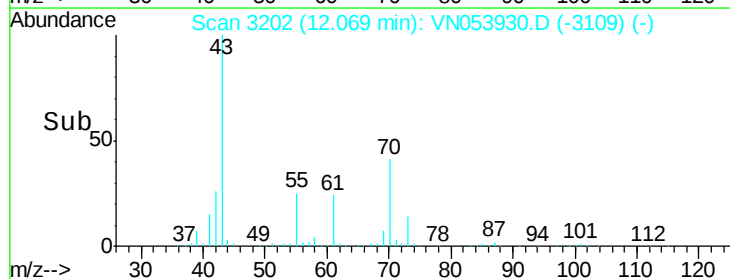
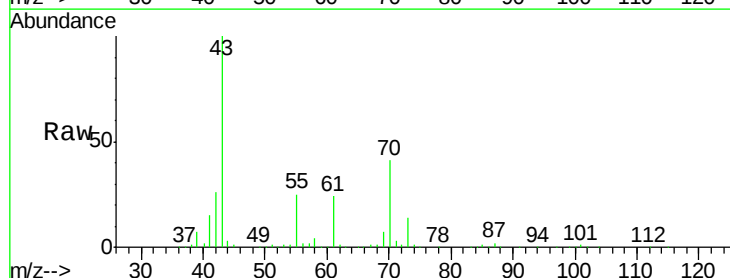
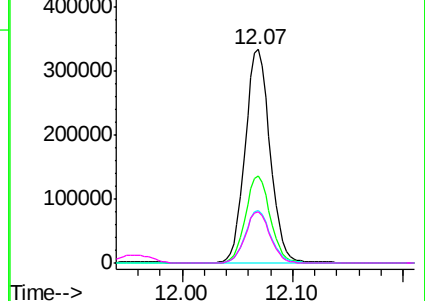
61 24.1 20.9 31.3

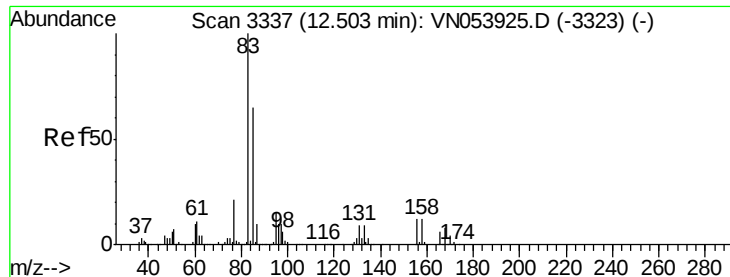
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 45.900 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Instrument :

MSVOA_N

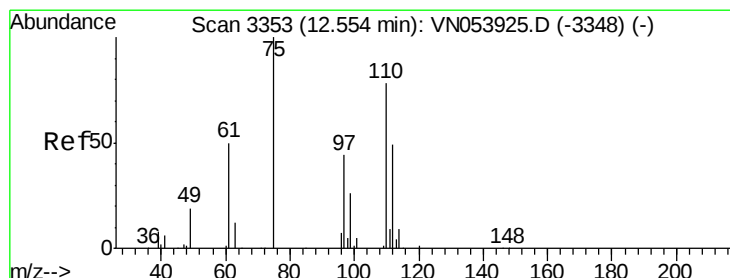
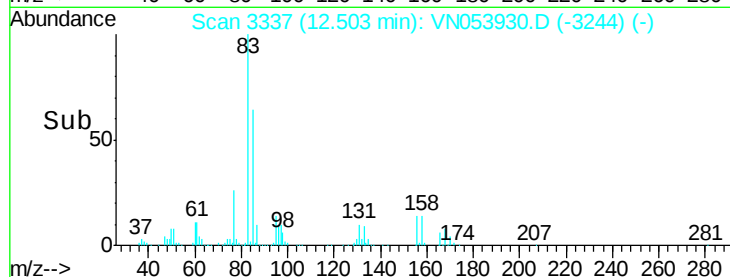
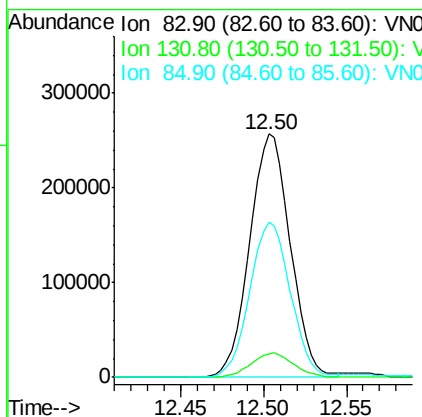
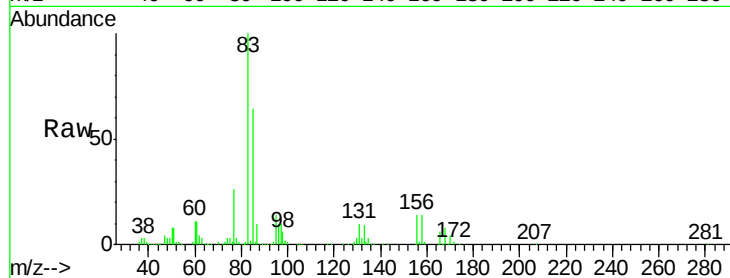
ClientSampleId :

ICVVN022519

Tot Ion:	83	Resp:	437413
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	16.1
85	64.0	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.597 ug/l m

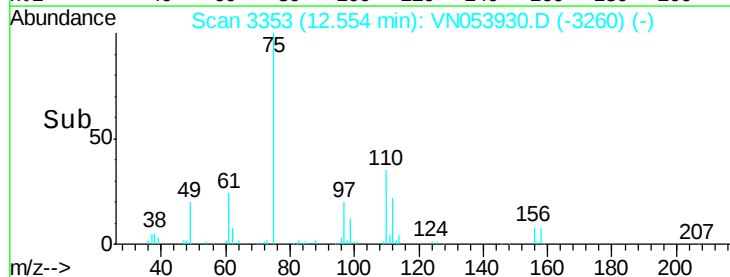
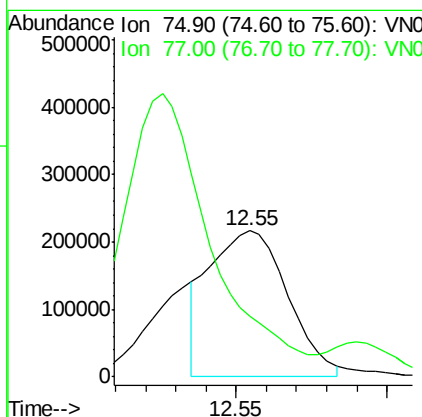
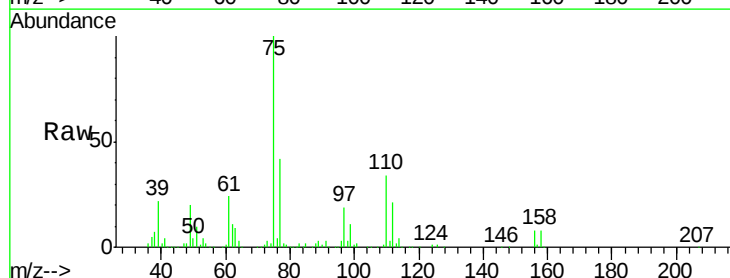
RT: 12.55 min Scan# 3353

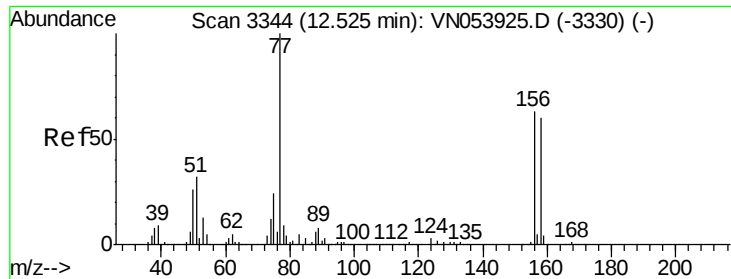
Delta R.T. 0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Tgt Ion:	75	Resp:	389497
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.170 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Instrument :

MSVOA_N

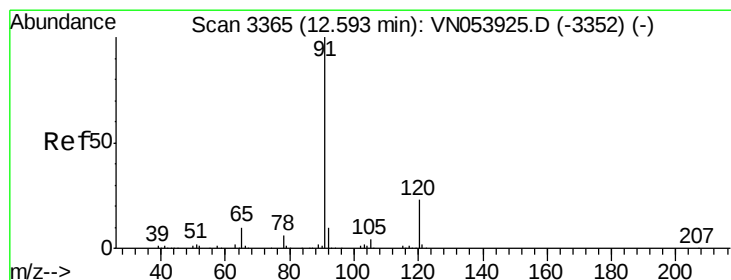
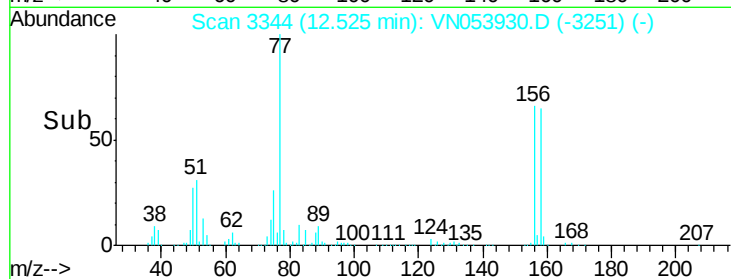
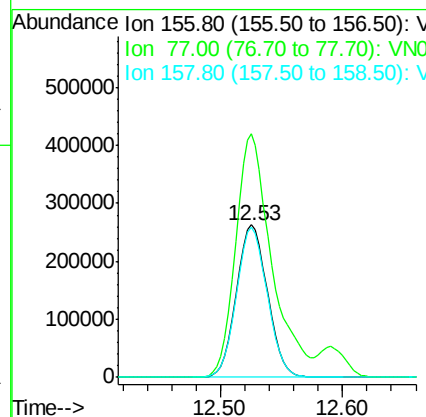
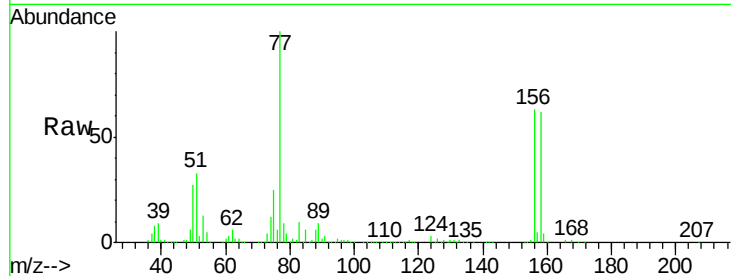
ClientSampled :

ICVVN022519

Tot Ion	Ratio	Lower	Upper
156	100		
77	184.0	84.0	252.2
158	97.5	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 50.692 ug/l

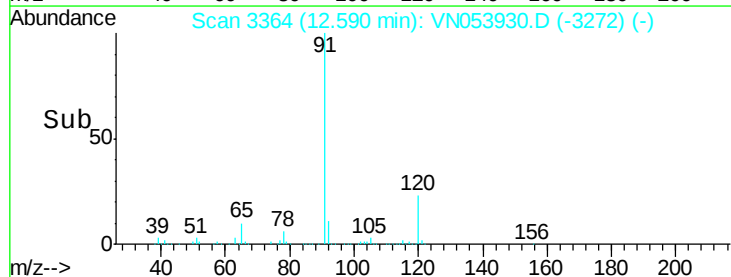
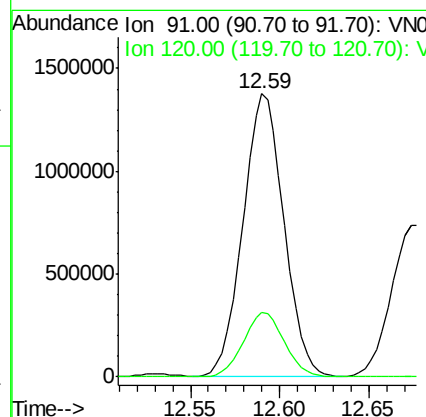
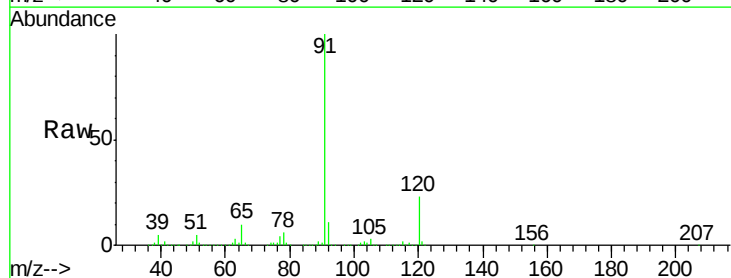
RT: 12.59 min Scan# 3364

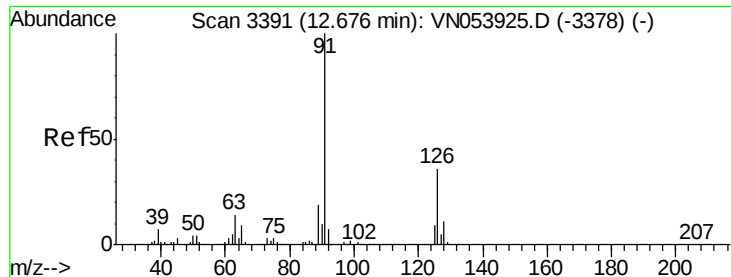
Delta R.T. -0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.9	35.9





#79

2-Chlorotoluene

Concen: 48.409 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN022519

Tot Ion: 91 Resp: 1260316

Ion Ratio Lower Upper

91 100

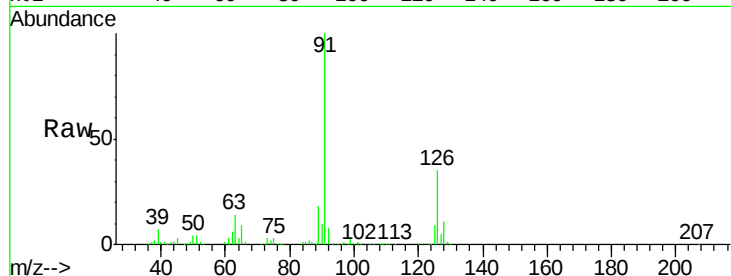
126 35.0 18.1 54.4

Manual Integrations

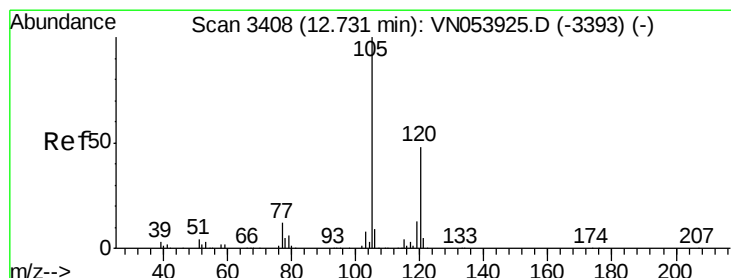
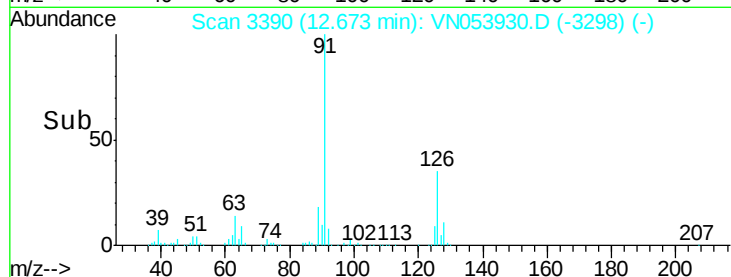
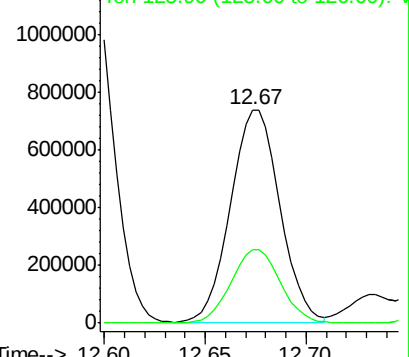
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Abundance Ion 91.00 (90.70 to 91.70): VN053925.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.798 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053930.D

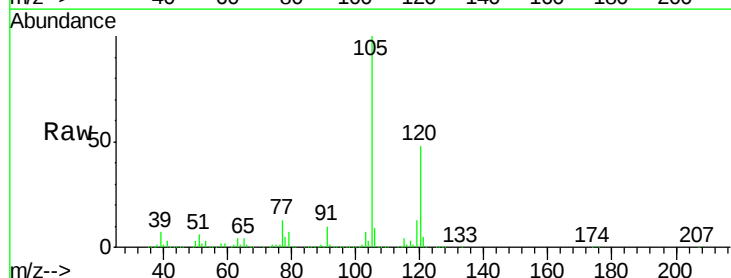
Acq: 25 Feb 2019 15:23

Tgt Ion: 105 Resp: 1584803

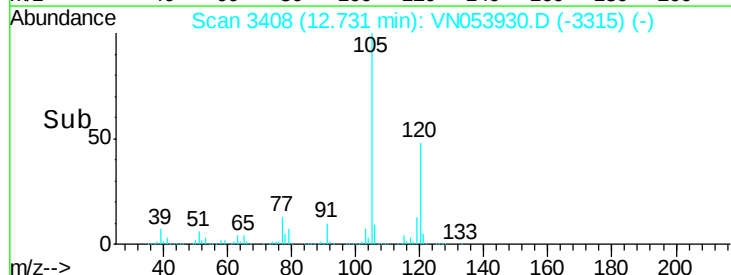
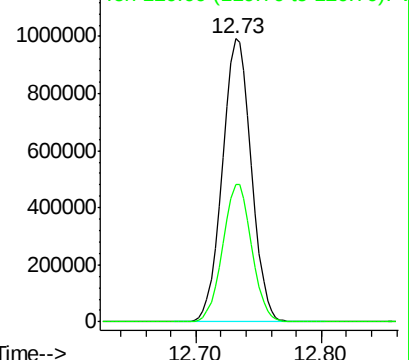
Ion Ratio Lower Upper

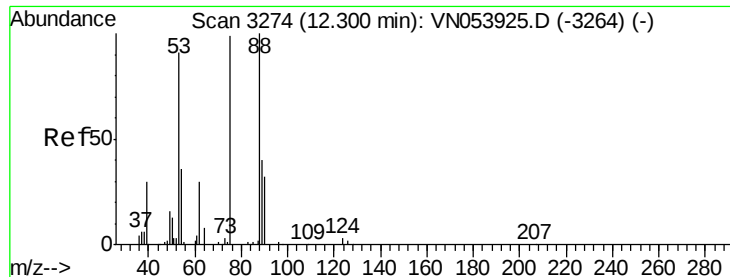
105 100

120 48.7 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN053925.D (-3393) (-)





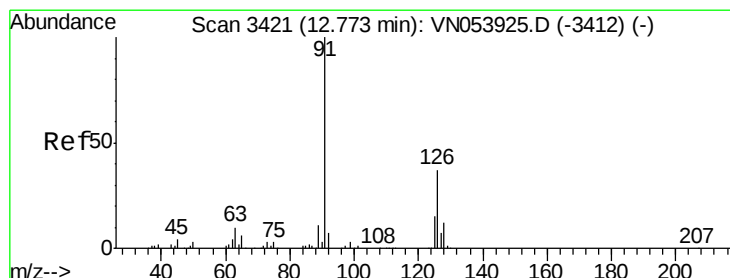
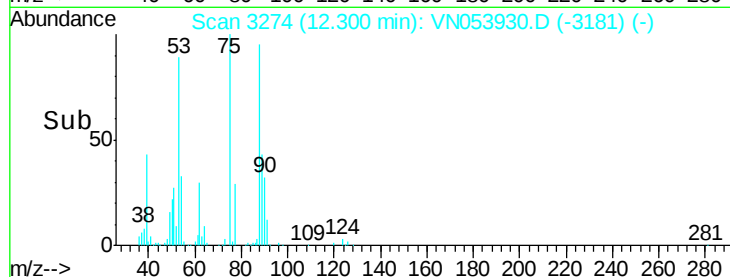
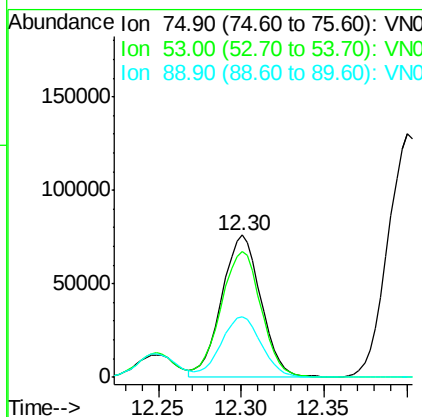
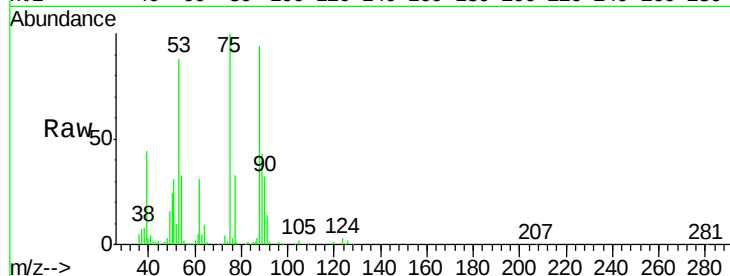
#81
trans-1,4-Dichloro-2-butene
Concen: 49.973 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022519

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.4	68.6	102.8
89	44.1	35.3	52.9

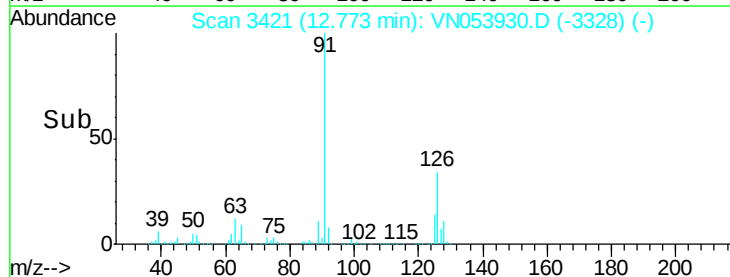
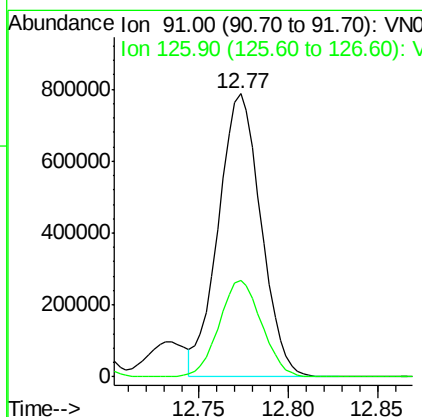
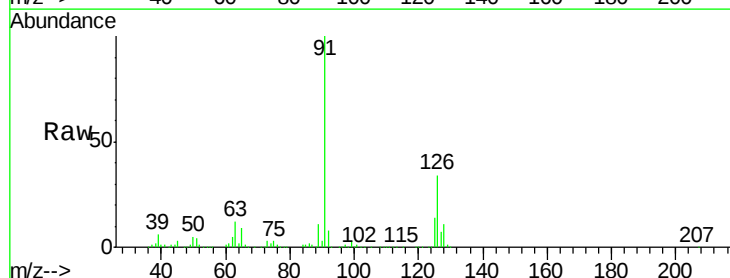
Manual Integrations
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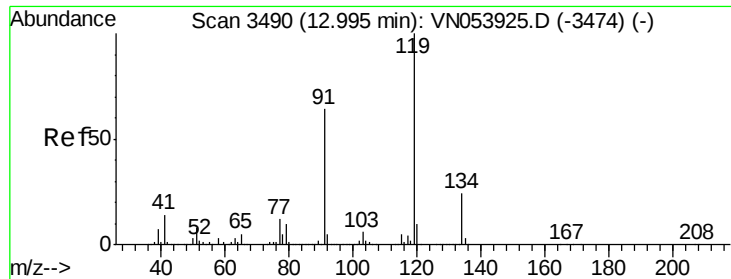
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#82
4-Chlorotoluene
Concen: 50.553 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	18.0	54.0





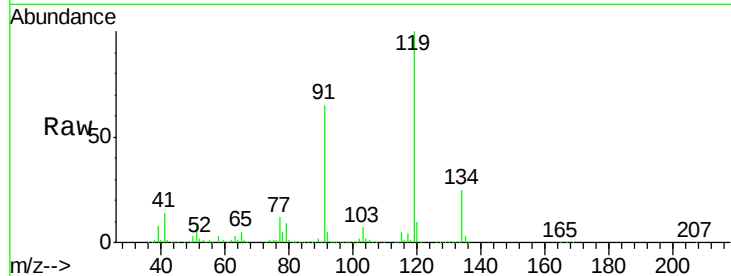
#83
tert-Butylbenzene
Concen: 48.371 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022519

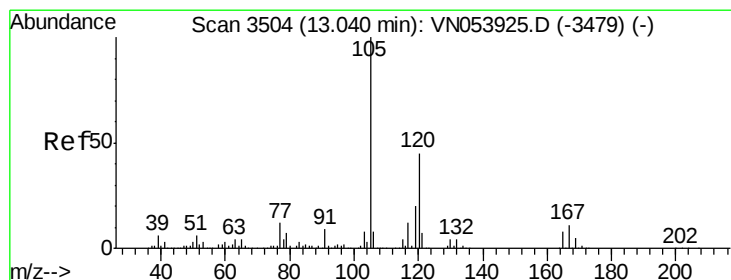
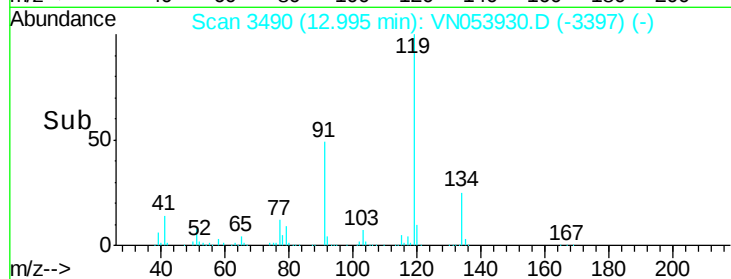
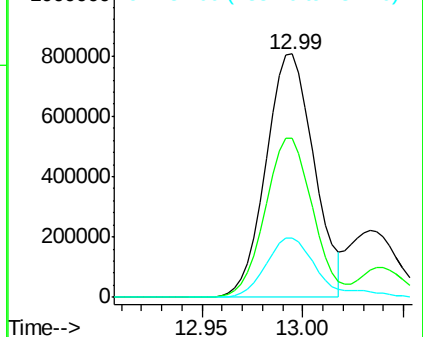
Tot Ion:119 Resp: 1334688
Ion Ratio Lower Upper
119 100
91 64.5 30.6 91.8
134 26.4 13.0 39.0

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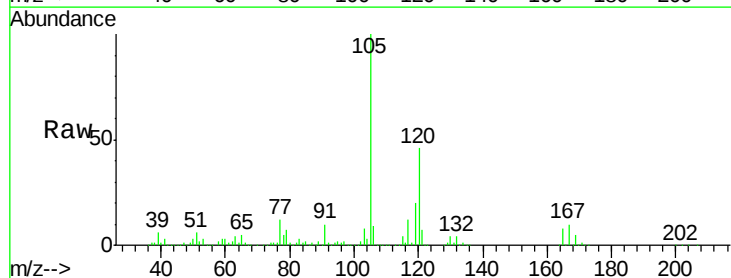


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

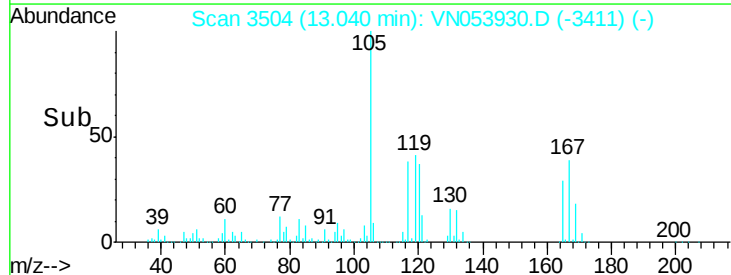
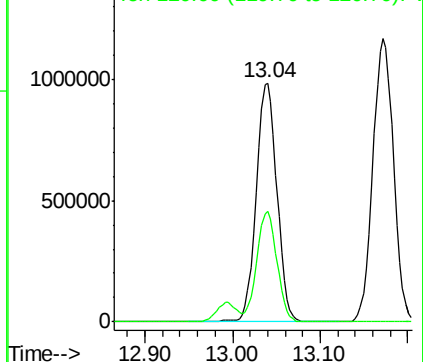


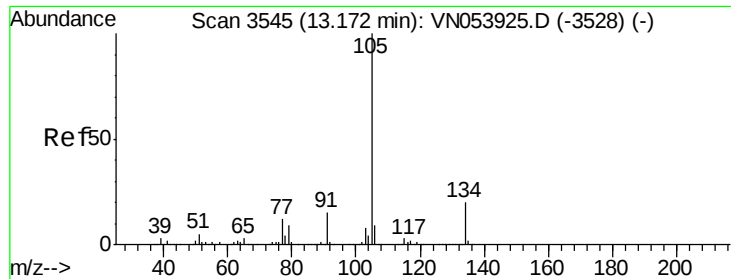
#84
1,2,4-Trimethylbenzene
Concen: 51.689 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Tgt Ion:105 Resp: 1609926
Ion Ratio Lower Upper
105 100
120 45.4 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.403 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022519

Tot Ion:105 Resp: 1899518

Ion Ratio Lower Upper

105 100

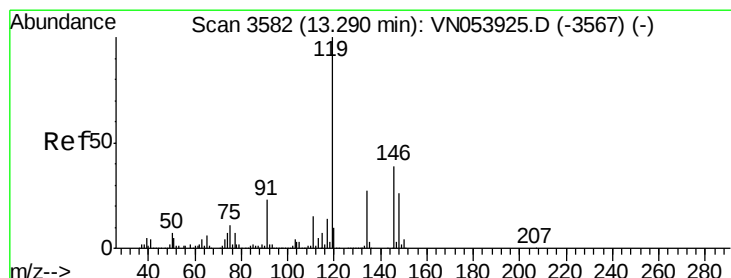
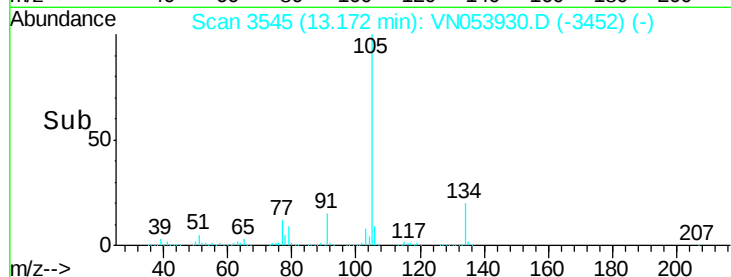
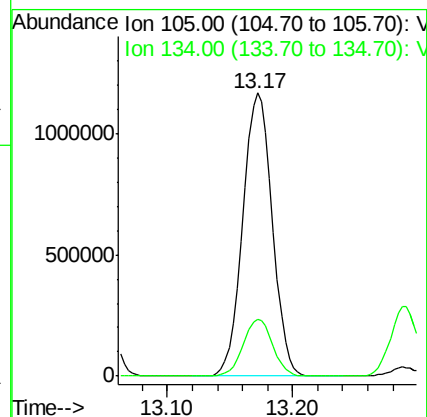
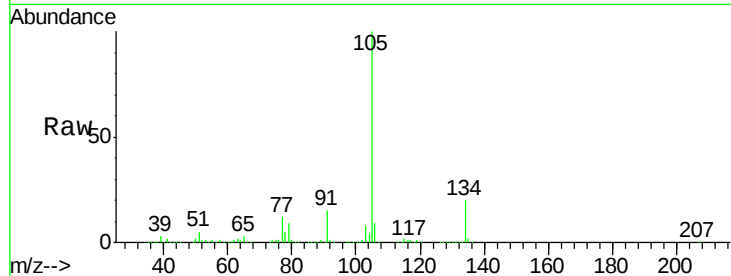
134 20.1 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 52.025 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

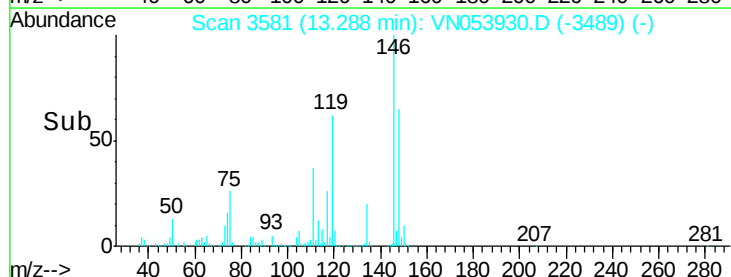
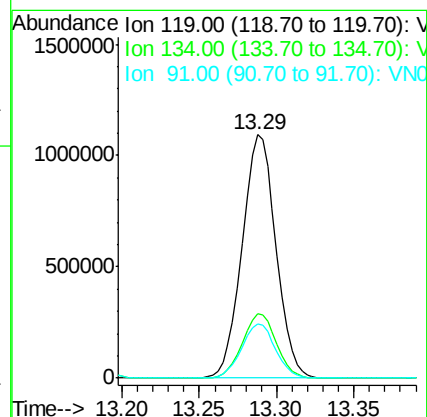
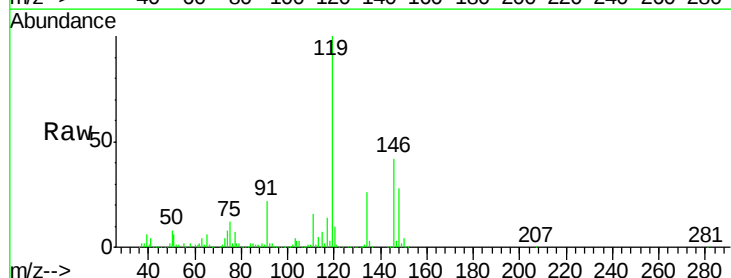
Tgt Ion:119 Resp: 1657500

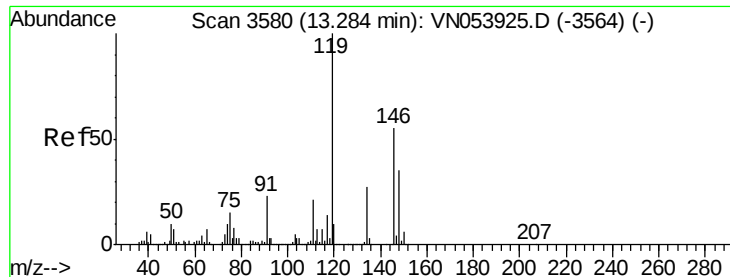
Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.4

91 22.4 10.9 32.6





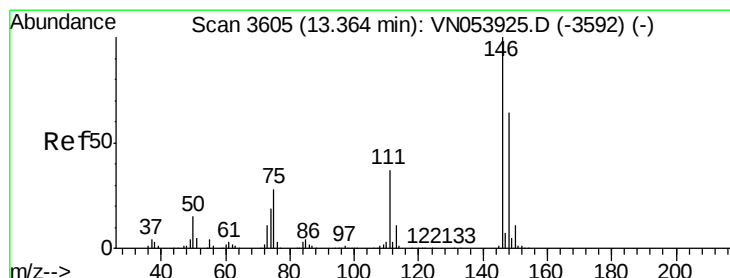
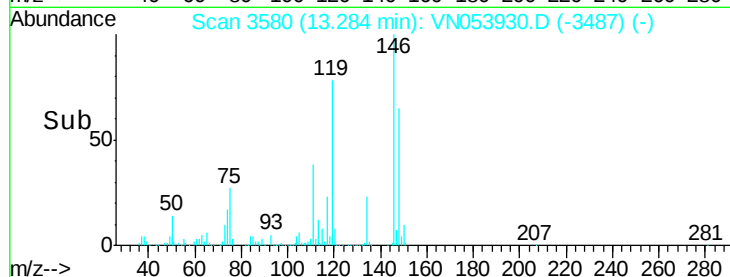
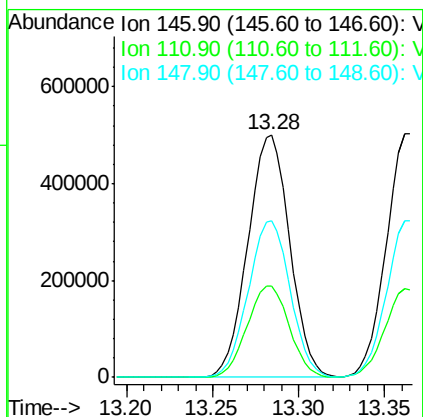
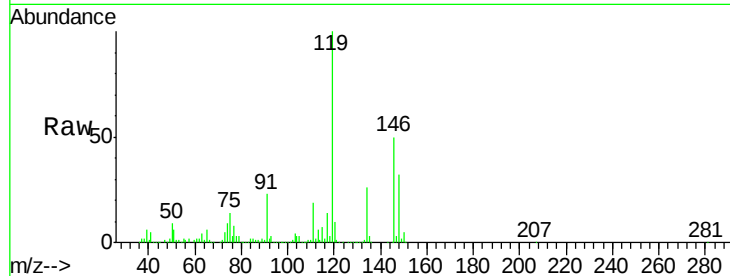
#87
 1,3-Dichlorobenzene
 Concen: 50.616 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053930.D
 Acq: 25 Feb 2019 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022519

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.7	56.1
148	64.7	32.0	96.2

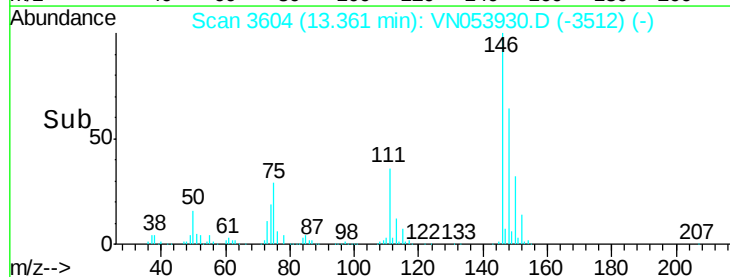
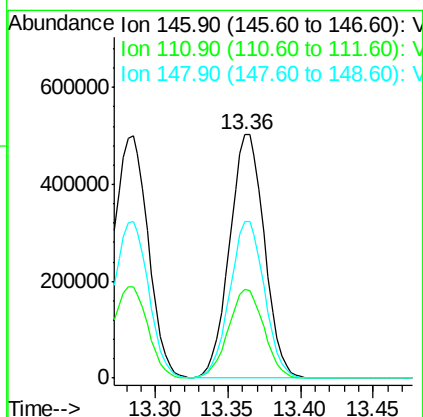
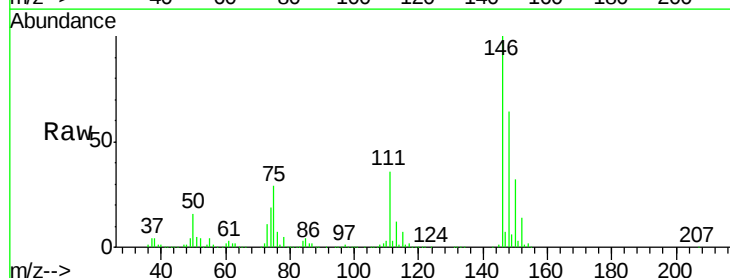
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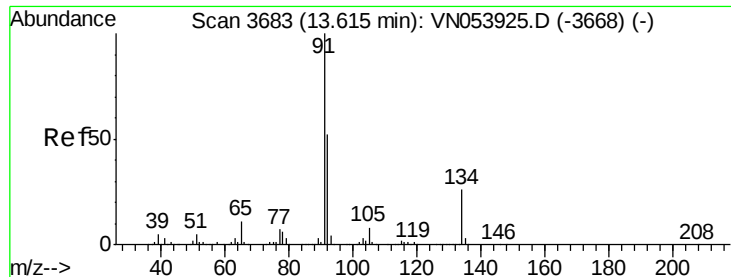
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#88
 1,4-Dichlorobenzene
 Concen: 51.497 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053930.D
 Acq: 25 Feb 2019 15:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.0	54.0
148	63.8	32.1	96.5





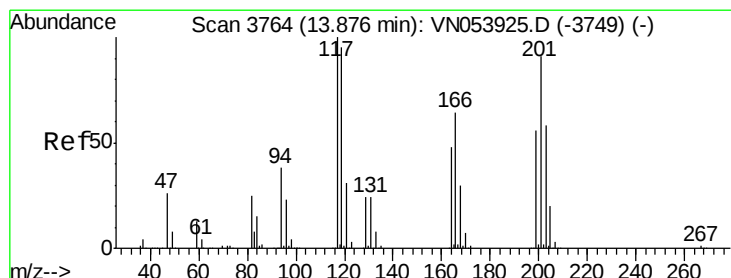
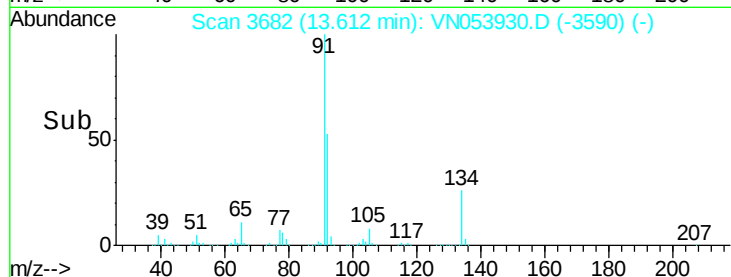
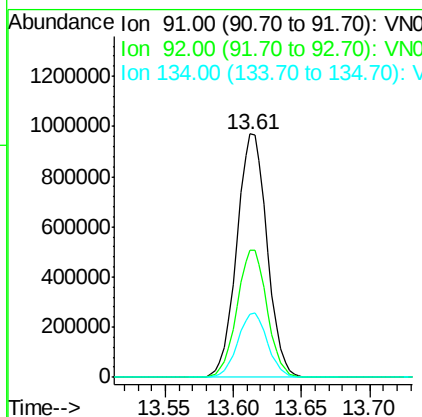
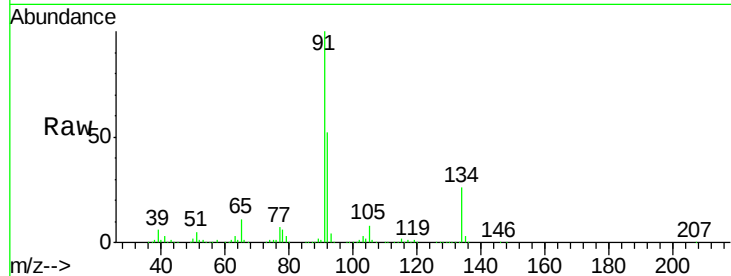
#89
n-Butylbenzene
Concen: 55.491 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022519

Tot Ion: 91 Resp: 1489935
Ion Ratio Lower Upper
91 100
92 51.9 26.1 78.2
134 26.1 13.6 40.8

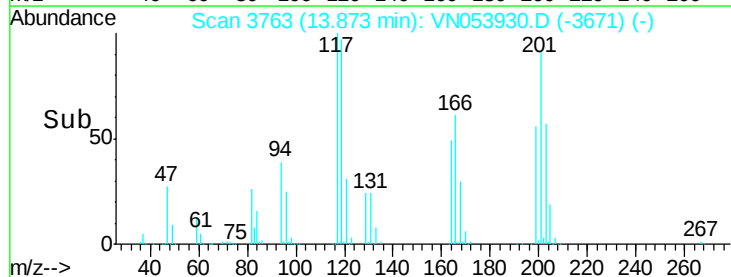
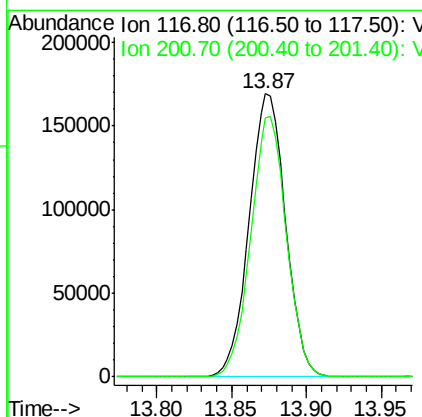
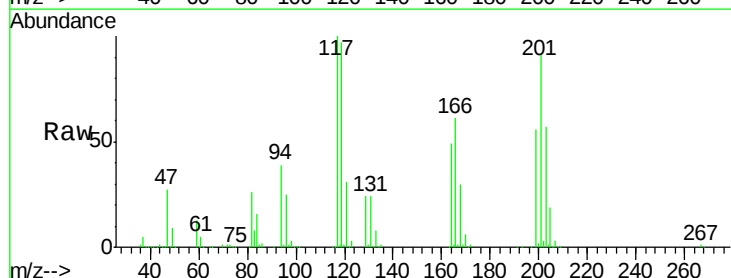
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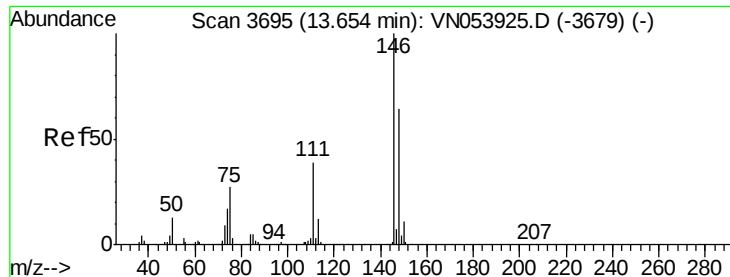
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#90
Hexachloroethane
Concen: 46.471 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Tgt Ion: 117 Resp: 286903
Ion Ratio Lower Upper
117 100
201 89.8 48.0 144.2





#91

1,2-Dichlorobenzene

Concen: 50.010 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053930.D

Acq: 25 Feb 2019 15:23

Instrument :

MSVOA_N

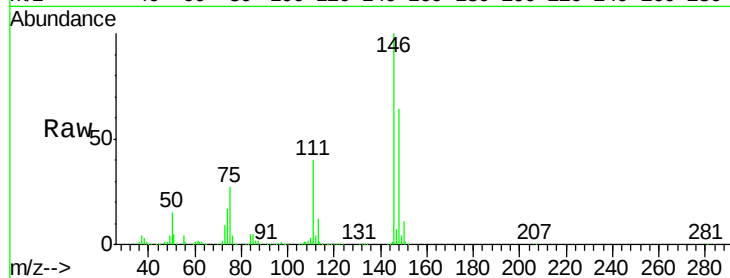
ClientSampleId :

ICVVN022519

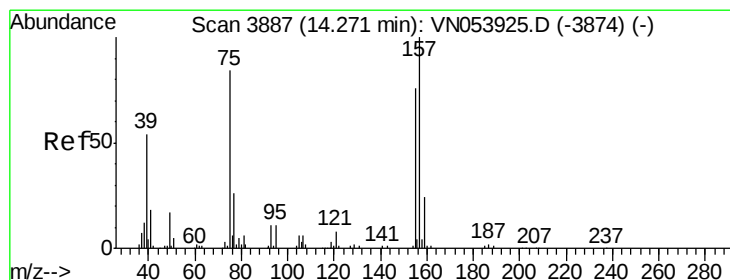
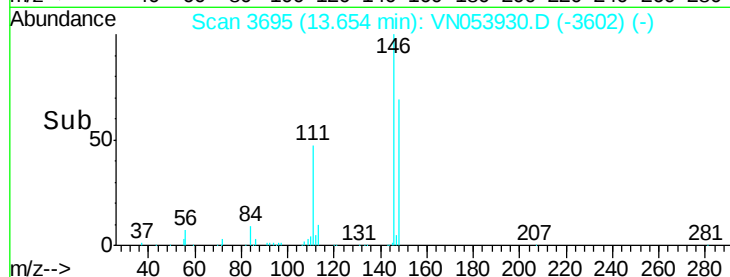
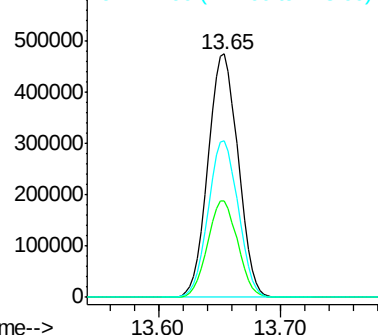
Tot Ion:	146	Resp:	810264
Ion Ratio	Lower	Upper	
146	100		
111	39.5	19.1	57.5
148	64.3	32.1	96.5

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.435 ug/l

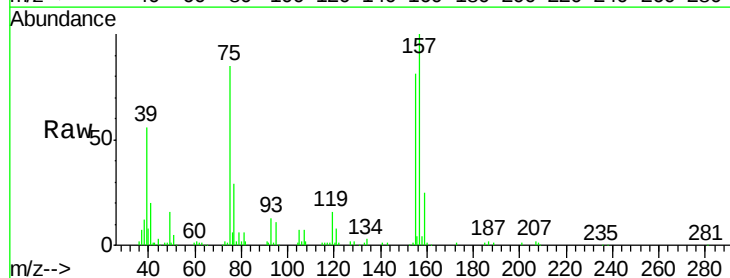
RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

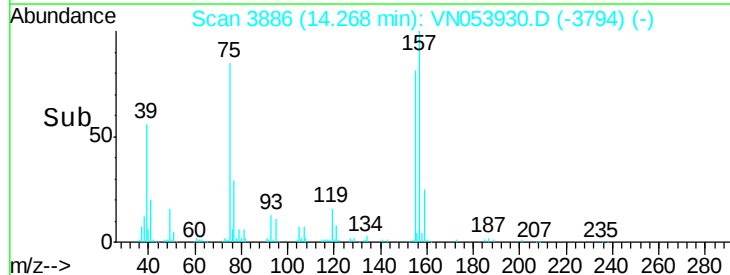
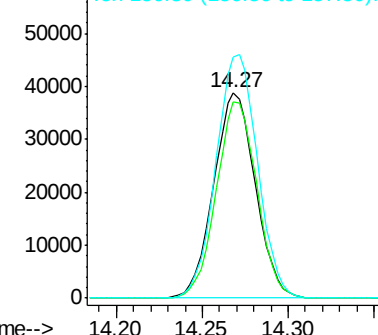
Lab File: VN053930.D

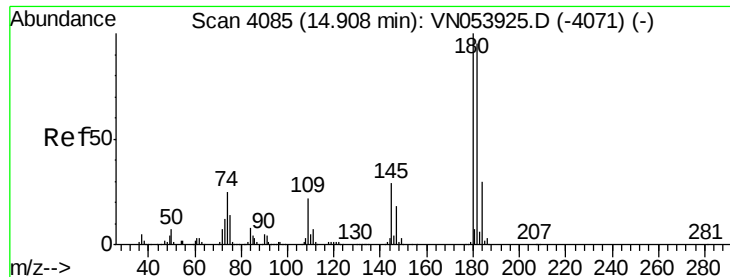
Acq: 25 Feb 2019 15:23

Tgt Ion:	75	Resp:	65227
Ion Ratio	Lower	Upper	
75	100		
155	93.0	49.5	148.5
157	118.3	64.8	194.6



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





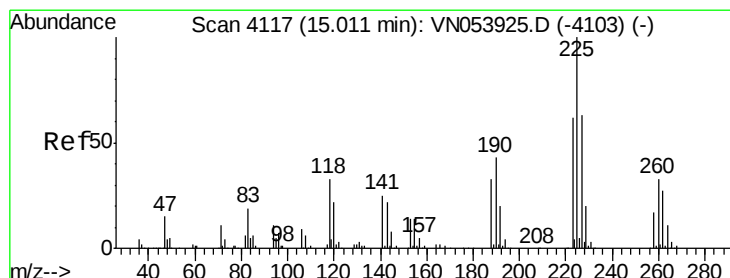
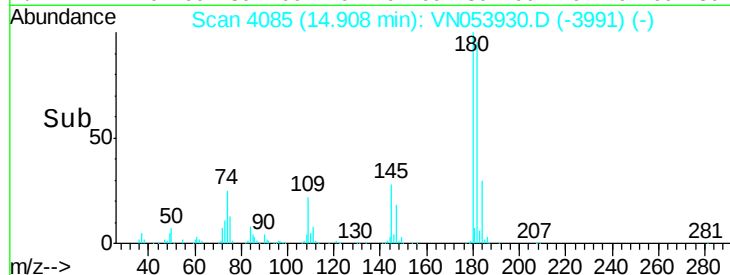
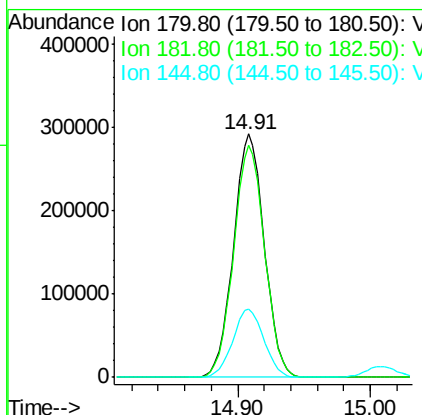
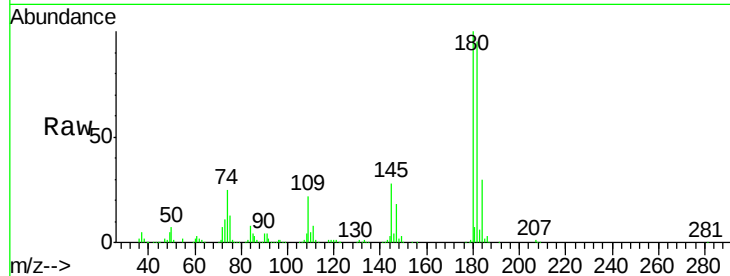
#93
 1,2,4-Trichlorobenzene
 Concen: 52.120 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053930.D
 Acq: 25 Feb 2019 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022519

Tot Ion	Ratio	Resp	Lower	Upper
180	100	469876		
182	95.9	48.6	145.9	
145	28.4	13.8	41.3	

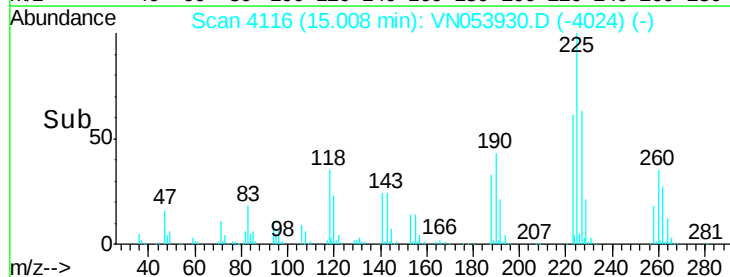
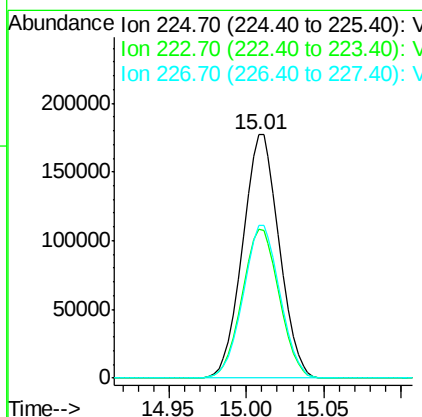
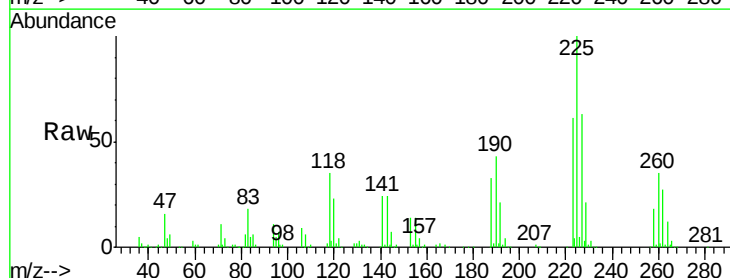
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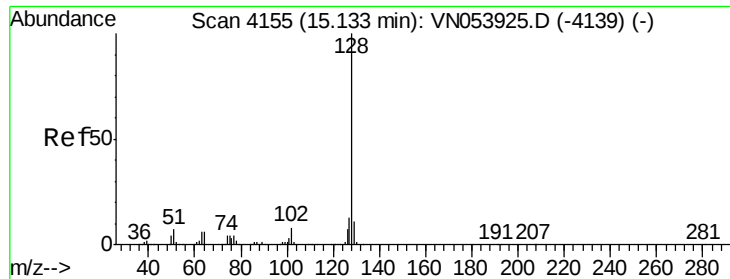
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#94
 Hexachlorobutadiene
 Concen: 49.798 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053930.D
 Acq: 25 Feb 2019 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	291449		
223	62.0	30.9	92.5	
227	63.1	32.5	97.4	





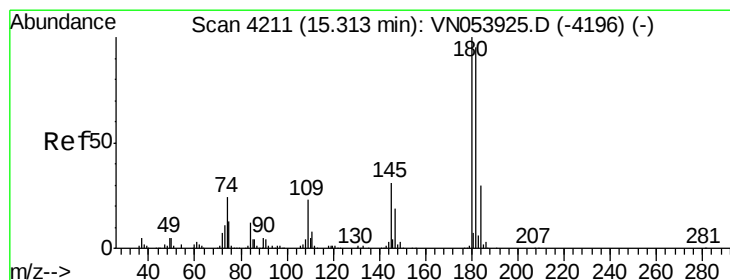
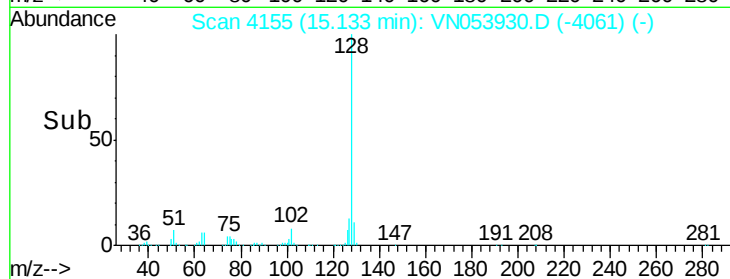
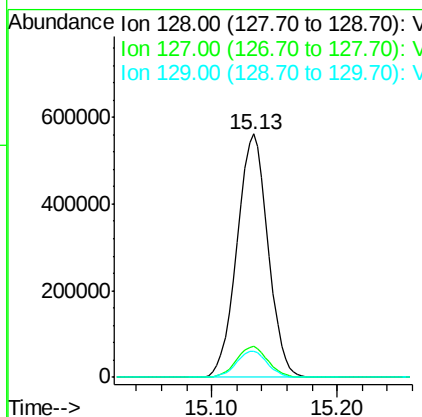
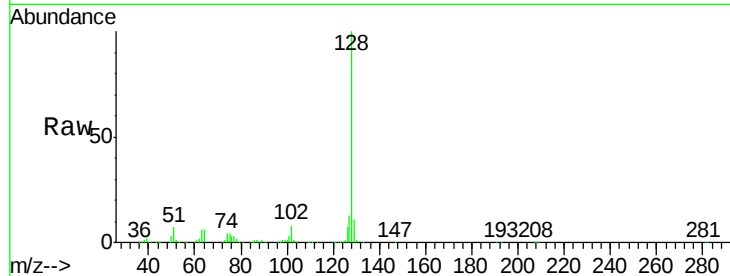
#95
Naphthalene
Concen: 49.560 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022519

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.8	8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 51.345 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053930.D
Acq: 25 Feb 2019 15:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	141.8
145	30.1	14.4	43.0

