

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011019\
 Data File : VN053351.D
 Acq On : 10 Jan 2019 19:56
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 10:12:09 AM

Quant Time: Jan 11 06:44:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	143802	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	820999	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	728452	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	276945	30.32	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.07%
60) 4-Bromofluorobenzene	12.40	95	329084	29.52	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.40%
63) Toluene-d8	10.09	98	974367	29.69	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	177939	18.571	ug/l 100
3) Chloromethane	2.06	50	205638	18.287	ug/l 98
4) Vinyl Chloride	2.19	62	200618	18.129	ug/l 99
5) Bromomethane	2.53	94	117659	16.491	ug/l 97
6) Chloroethane	2.68	64	116590	18.290	ug/l 100
7) Trichlorofluoromethane	3.01	101	260090	19.032	ug/l 99
8) Diethyl Ether	3.41	74	100611	19.817	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	160311	18.671	ug/l 96
10) 1,1-Dichloroethene	3.74	96	156989	18.736	ug/l 94
11) Methyl Iodide	3.95	142	221298	18.035	ug/l 98
12) Methyl Acetate	4.33	43	145824	22.329	ug/l 98
13) Acrolein	3.61	56	80083	102.707	ug/l 98
14) Acrylonitrile	4.99	53	303305	103.813	ug/l 98
15) Acetone	3.82	58	63837	102.809	ug/l 92
16) Carbon Disulfide	4.05	76	429030	16.644	ug/l 100
17) Allyl chloride	4.32	41	249802	18.951	ug/l 98
18) Methylene Chloride	4.55	84	179414	18.709	ug/l 95
19) trans-1,2-Dichloroethene	5.04	96	166306	18.781	ug/l 94
20) Diisopropyl ether	5.95	45	550051	19.485	ug/l 95
21) 1,1-Dichloroethane	5.85	63	313071	19.048	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	192671	19.316	ug/l 96
23) tert-Butyl Alcohol	4.79	59	35724	72.533	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	442615	20.258	ug/l 98
25) Chloroform	7.37	83	302679	19.158	ug/l 99
26) Cyclohexane	7.65	56	287919	18.781	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	232420	18.689	ug/l 98
30) 2-Butanone	6.83	43	326438	105.214	ug/l 97
31) 2,2-Dichloropropane	6.83	77	203678	16.918	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	251135	19.274	ug/l 96
33) Carbon Tetrachloride	7.78	117	211920	18.581	ug/l 99
34) Benzene	8.04	78	718727	19.230	ug/l 98
35) Methacrylonitrile	7.17	41	65788	16.432	ug/l 95
36) 1,2-Dichloroethane	8.13	62	217106	20.010	ug/l 98
37) Trichloroethene	8.84	130	194526	19.213	ug/l 95
38) Methylcyclohexane	9.08	83	280761	19.302	ug/l 97
39) 1,2-Dichloropropane	9.12	63	189263	19.393	ug/l 97
40) Dibromomethane	9.21	93	109578	19.854	ug/l 95

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	223427	18.850	ug/l	99
42) Vinyl Acetate	5.90	43	1736686	102.600	ug/l	97
43) Ethyl Acetate	6.93	43	147467	21.283	ug/l #	69
44) Isopropyl Acetate	8.16	43	283211	21.942	ug/l	100
45) 1,4-Dioxane	9.20	88	16440	208.294	ug/l #	93
46) Methyl methacrylate	9.20	41	135507	20.782	ug/l	95
47) n-amyl Acetate	12.07	43	230081	20.298	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	226234	18.701	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	263976	18.531	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	160586	20.292	ug/l	99
51) Ethyl methacrylate	10.43	69	210497	20.409	ug/l	95
52) 1,3-Dichloropropane	10.71	76	273683	20.076	ug/l	99
53) Dibromochloromethane	10.90	129	166113	18.689	ug/l	96
54) 1,2-Dibromoethane	11.01	107	158407	19.842	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	594232	100.394	ug/l	98
56) Bromoform	12.13	173	112315	18.472	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	761778	109.744	ug/l	97
59) 2-Hexanone	10.75	43	500779	104.501	ug/l	96
61) Tetrachloroethene	10.63	164	212558	19.745	ug/l	96
62) Toluene	10.16	91	772448	19.335	ug/l	100
64) Chlorobenzene	11.43	112	484148	19.312	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	170128	19.346	ug/l	98
66) Ethyl Benzene	11.51	91	824517	19.032	ug/l	99
67) m/p-Xylenes	11.62	106	632136	38.580	ug/l	98
68) o-Xylene	11.95	106	309670	19.503	ug/l	99
69) Styrene	11.96	104	502986	19.408	ug/l	99
70) Isopropylbenzene	12.25	105	818700	19.598	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	182319	20.732	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	159280m	20.683	ug/l	
73) Bromobenzene	12.53	156	208777	19.442	ug/l	95
74) n-propylbenzene	12.59	91	934301	19.757	ug/l	99
75) 2-Chlorotoluene	12.67	91	543783	19.416	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	662401	19.989	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	49304	18.221	ug/l	96
78) 4-Chlorotoluene	12.77	91	548052	19.224	ug/l	99
79) tert-butylbenzene	12.99	119	583786	20.199	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	663221	19.968	ug/l	100
81) sec-Butylbenzene	13.17	105	796128	20.803	ug/l	100
82) p-Isopropyltoluene	13.29	119	677446	20.485	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	352181	19.262	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	335896	18.846	ug/l	99
85) n-Butylbenzene	13.62	91	534987	19.893	ug/l	99
86) Hexachloroethane	13.88	117	93946	17.793	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	318910	18.771	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	22595	17.966	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	124309	15.075	ug/l	99
90) Hexachlorobutadiene	15.01	225	90791	18.190	ug/l	97
91) Naphthalene	15.13	128	246178	14.071	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	96499	13.117	ug/l	98

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QLast Update : Fri Dec 28 10:33:50 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

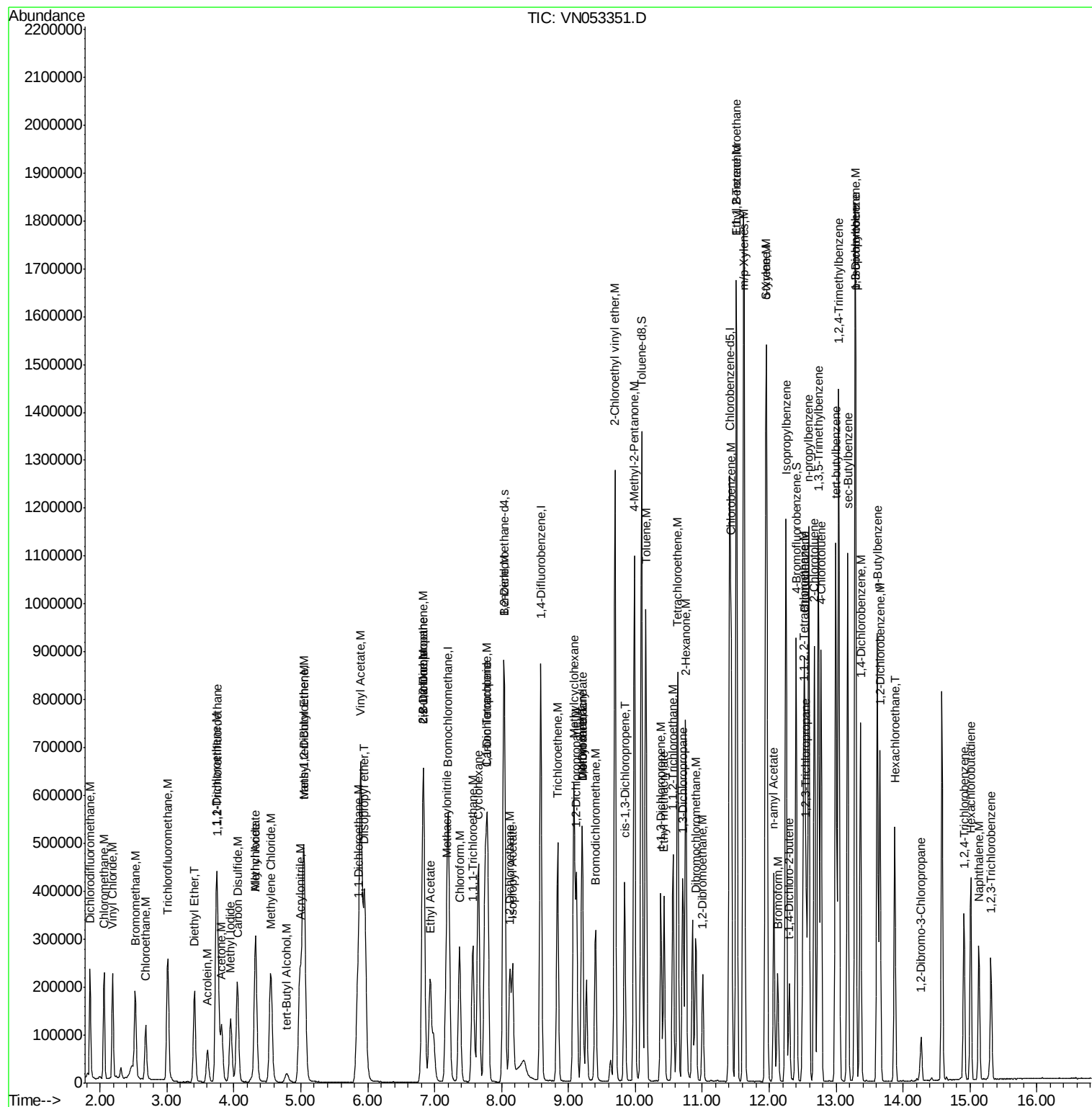
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011019\
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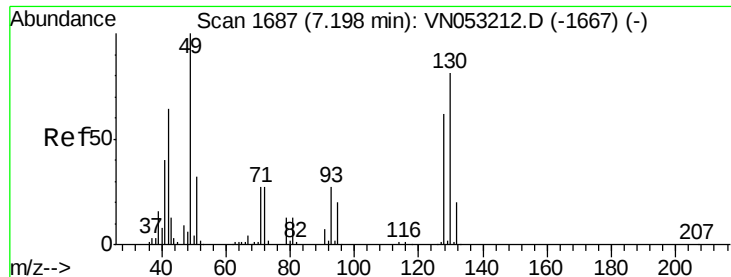
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDCCC020EC

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

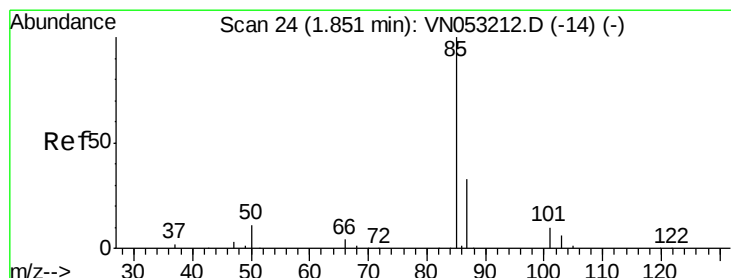
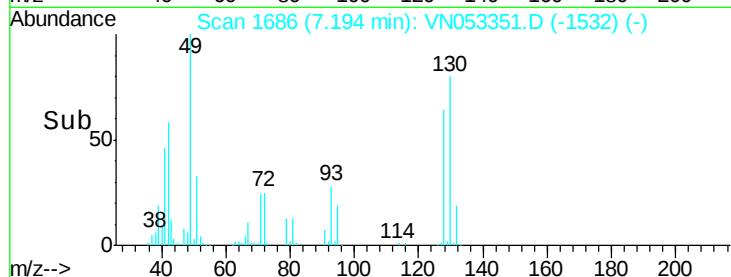
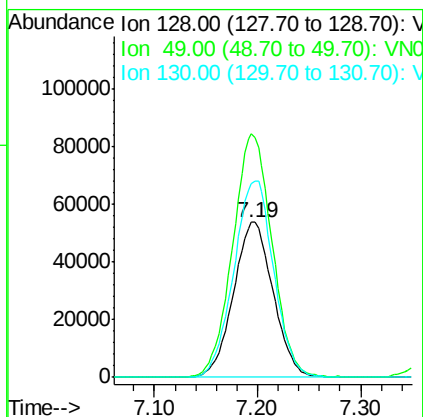
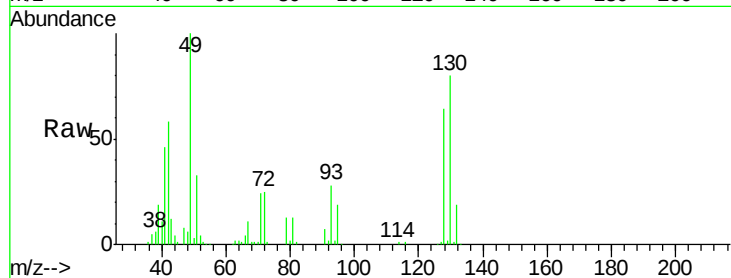
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	143802
Ion	Ratio	Lower	Upper
128	100		
49	155.7	0.0	431.8
130	127.5	0.0	317.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 18.571 ug/l

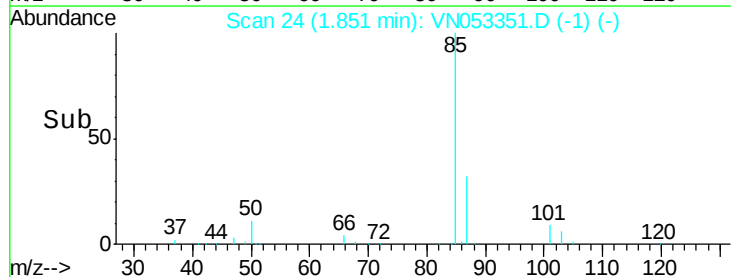
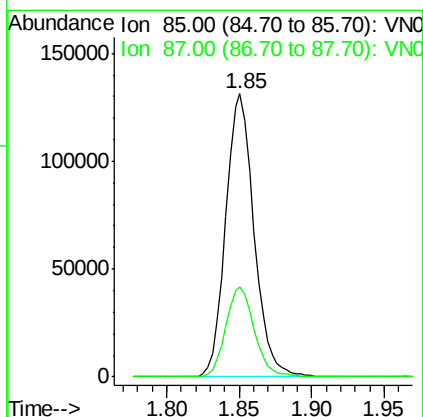
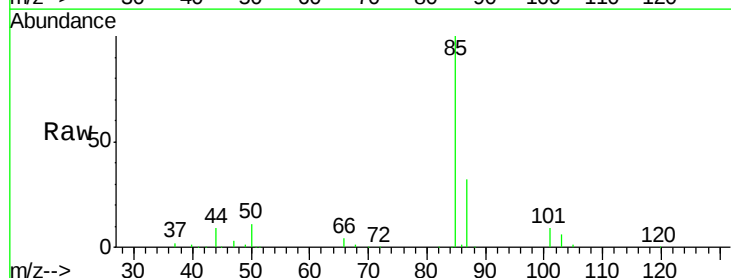
RT: 1.85 min Scan# 24

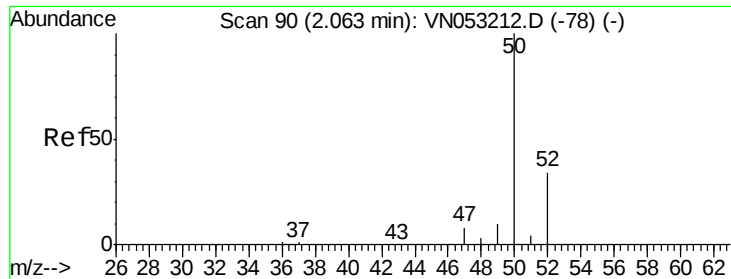
Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Tgt Ion:	85	Resp:	177939
Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.1	48.3





#3

Chloromethane

Concen: 18.287 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 205638

Ion Ratio Lower Upper

50 100

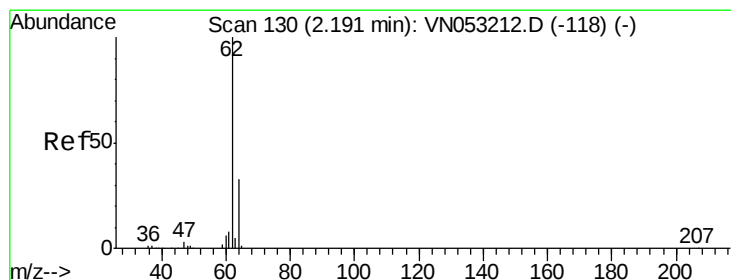
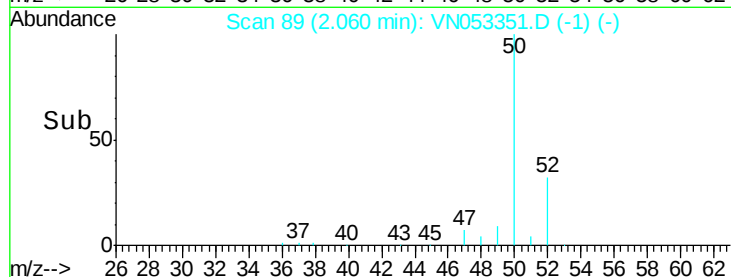
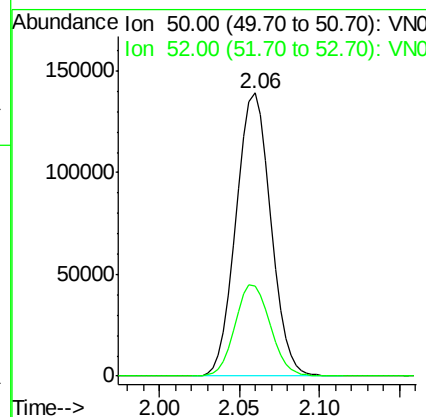
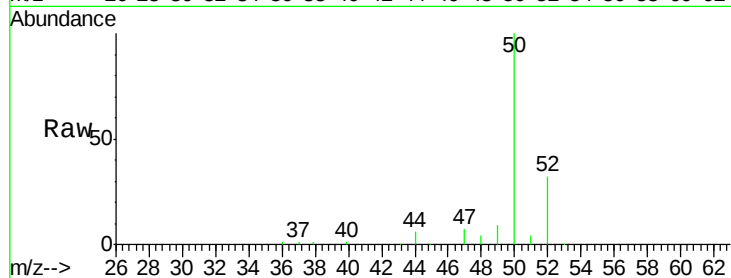
52 31.9 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.129 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053351.D

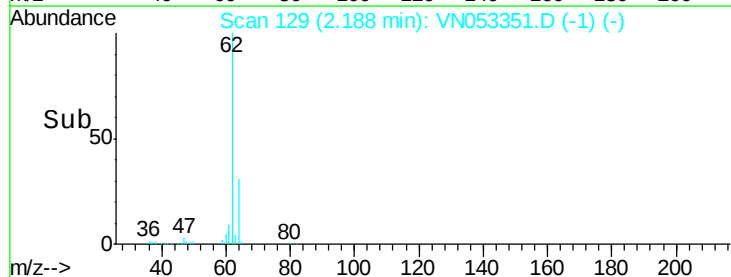
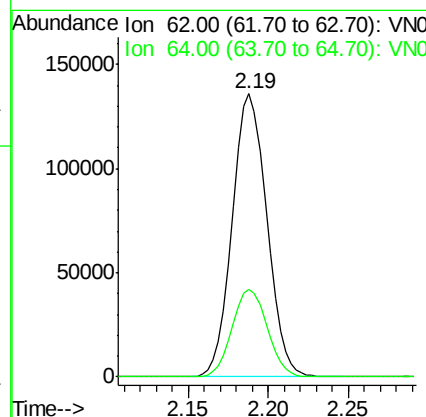
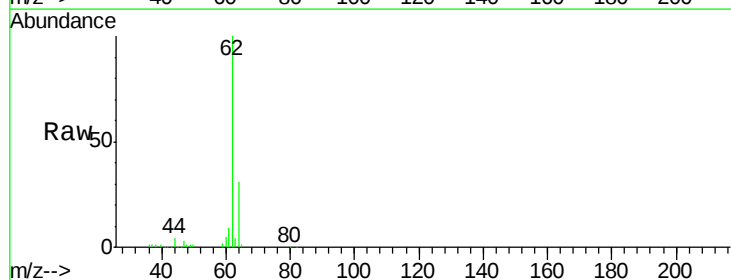
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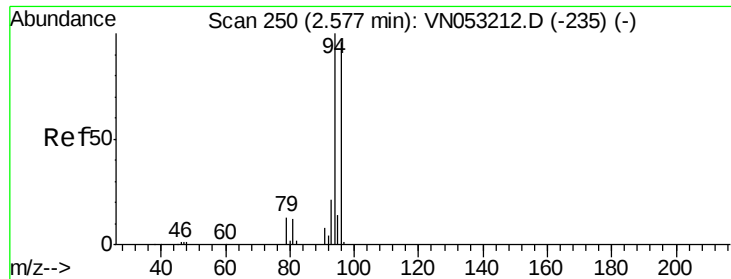
Tgt Ion: 62 Resp: 200618

Ion Ratio Lower Upper

62 100

64 31.0 24.2 36.4





#5

Bromomethane

Concen: 16.491 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.05 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 117659

Ion Ratio Lower Upper

94 100

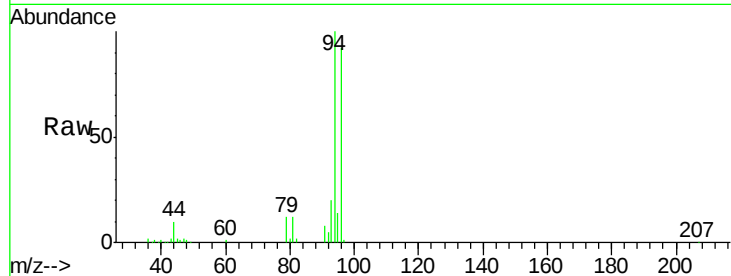
96 92.4 76.2 114.2

Manual Integrations

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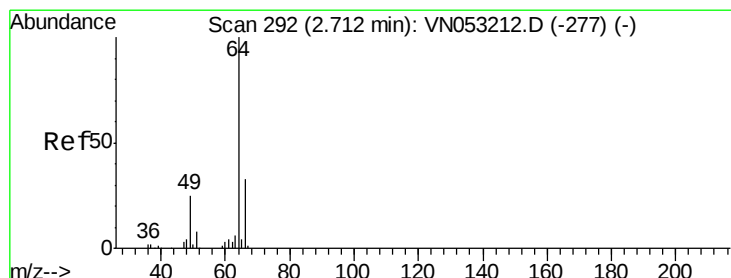
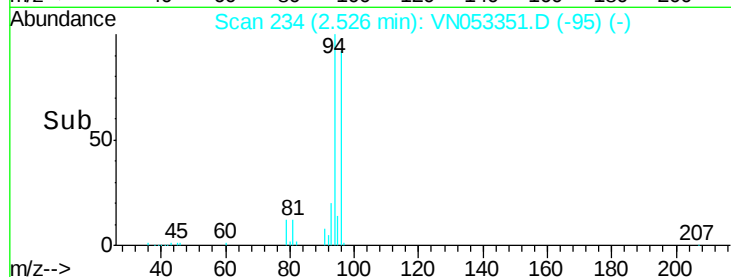
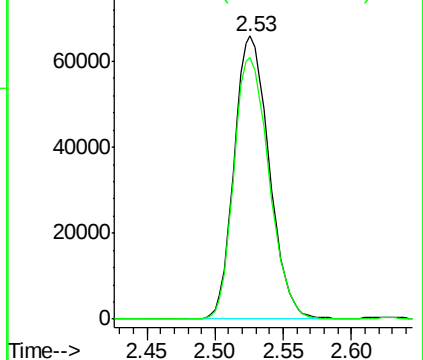
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.290 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.03 min

Lab File: VN053351.D

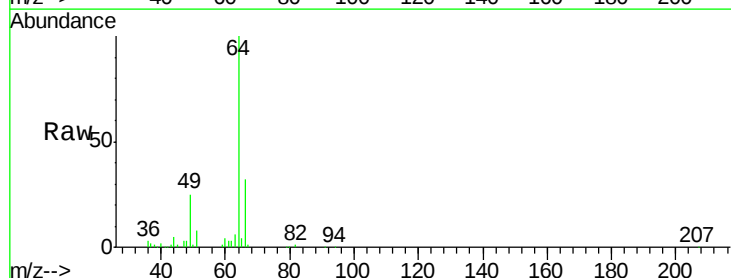
Acq: 10 Jan 2019 19:56

Tgt Ion: 64 Resp: 116590

Ion Ratio Lower Upper

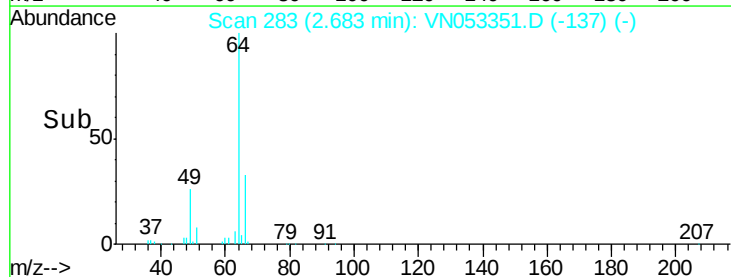
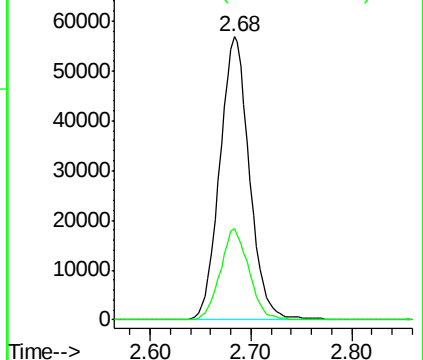
64 100

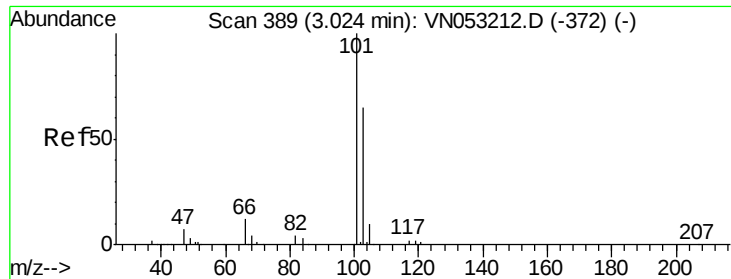
66 32.1 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

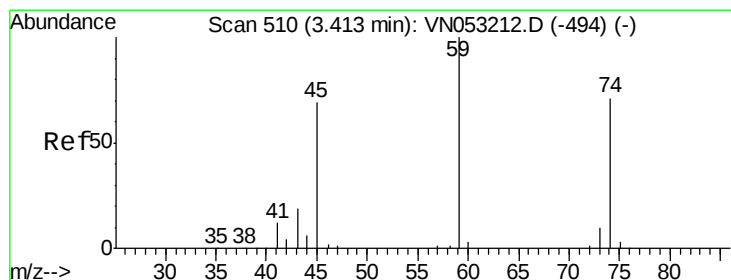
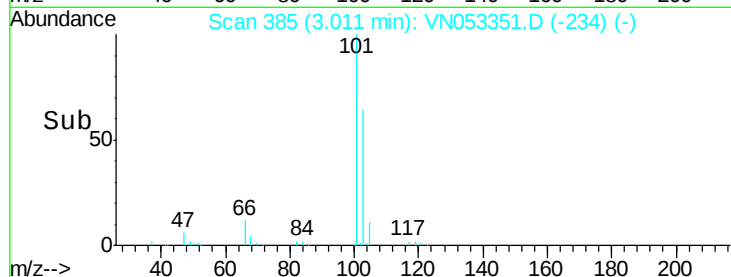
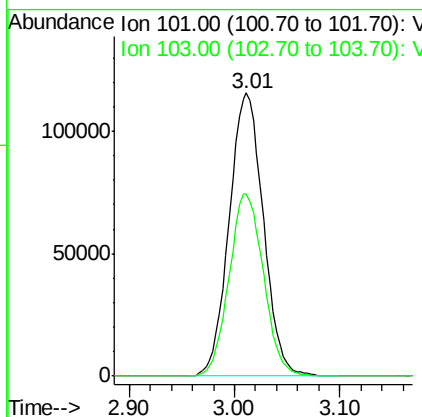
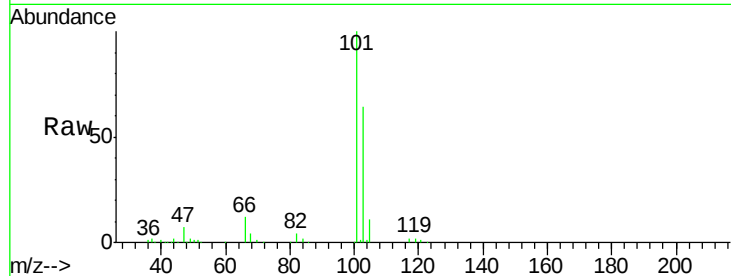
Trichlorofluoromethane
Concen: 19.032 ug/l
RT: 3.01 min Scan# 385
Delta R.T. -0.01 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.1	78.1

Manual Integrations
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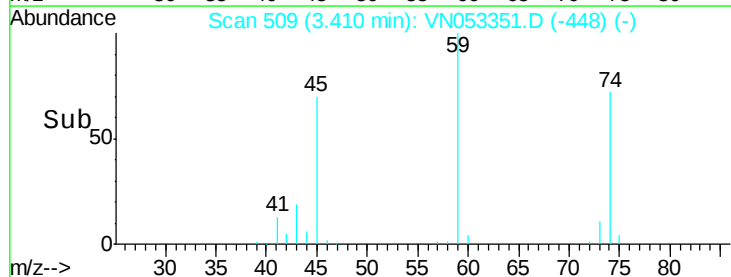
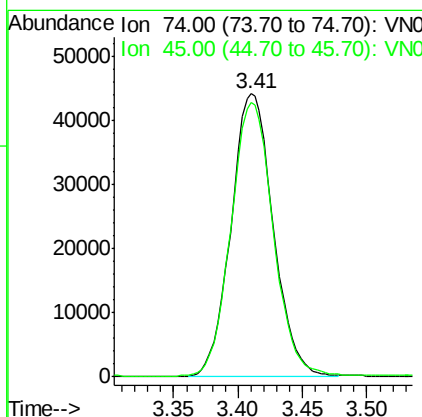
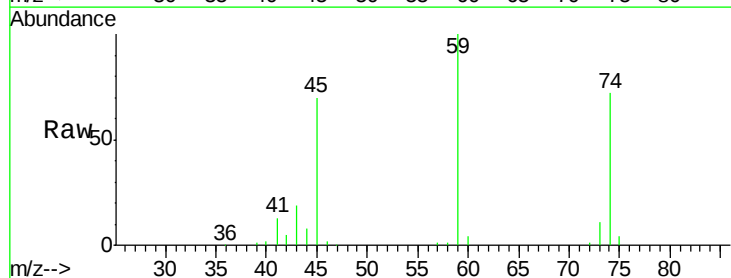
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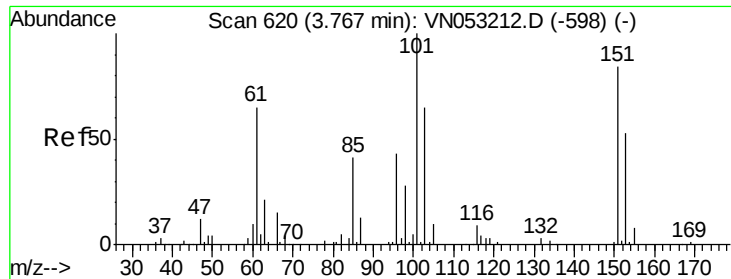


#8

Diethyl Ether
Concen: 19.817 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN053351.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.8	20.6	185.8





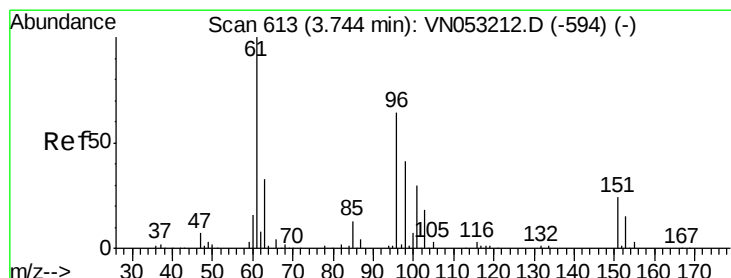
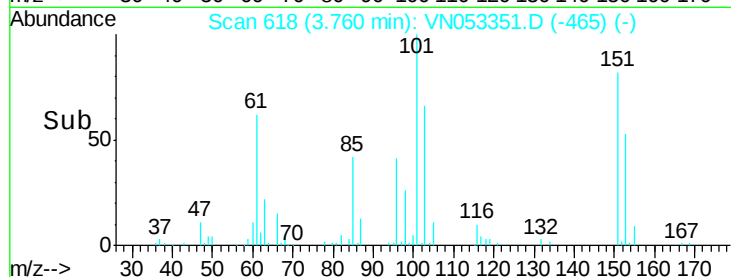
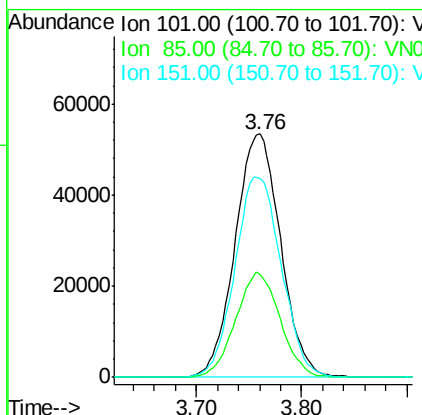
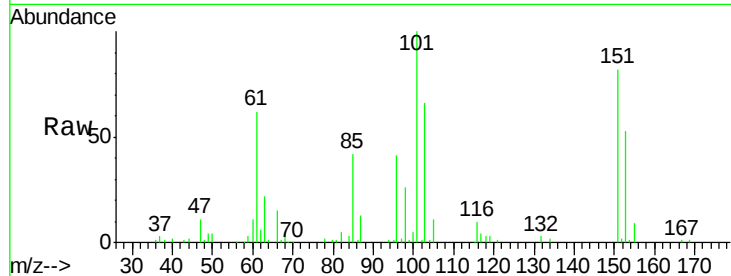
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.671 ug/l
RT: 3.76 min Scan# 618
Delta R.T. -0.01 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	42.1	0.0	82.6
151	84.2	0.0	158.4

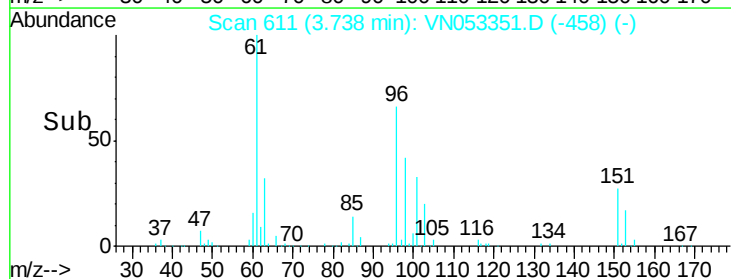
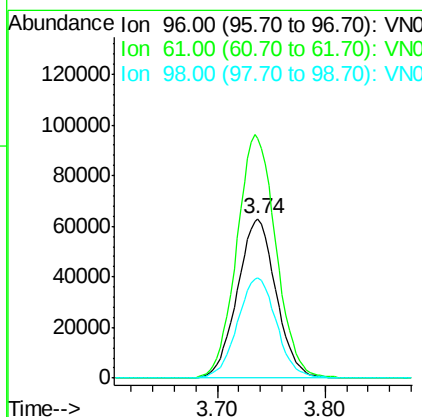
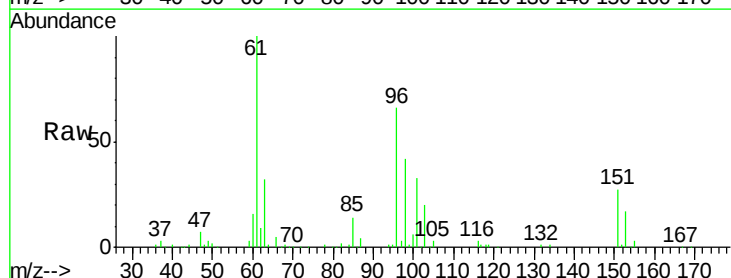
Manual Integrations
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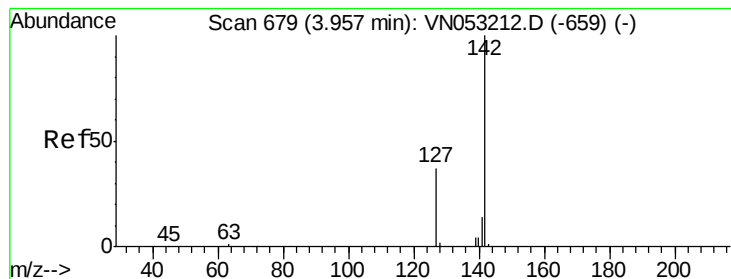
MMDadoda
1/11/2019 10:12:09 AM



#10
1,1-Dichloroethene
Concen: 18.736 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.01 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	150.7	129.4	194.2
98	63.1	50.4	75.6





#11

Methvl Iodide

Concen: 18.035 ug/l

RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

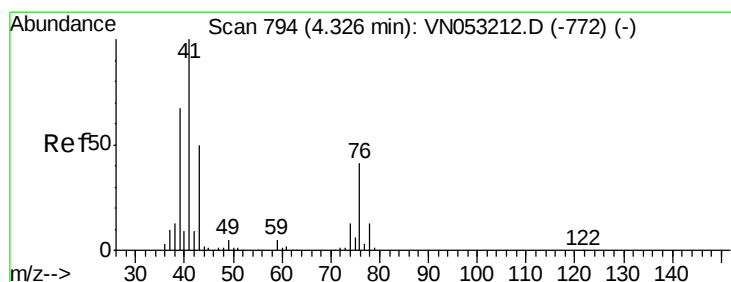
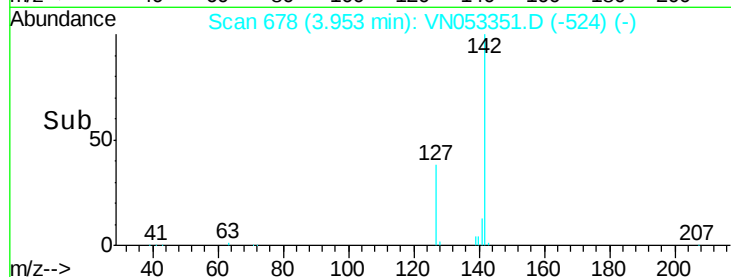
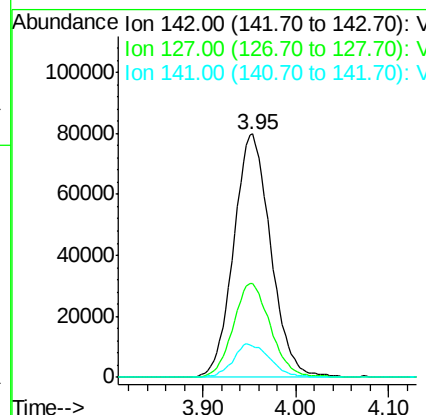
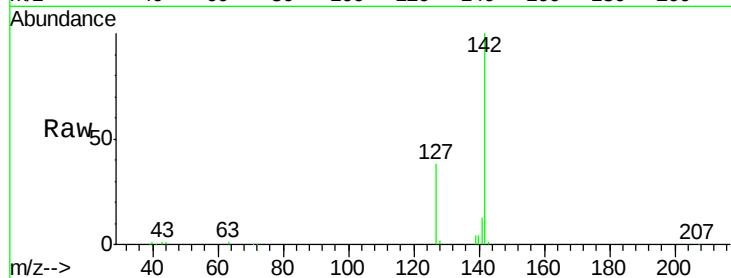
ClientSampleId :

VSTDCCC020EC

Tot Ion:	142	Resp:	221298
Ion Ratio	Lower	Upper	
142	100		
127	38.3	19.4	58.1
141	12.8	7.2	21.6

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#12

Methyl Acetate

Concen: 22.329 ug/l

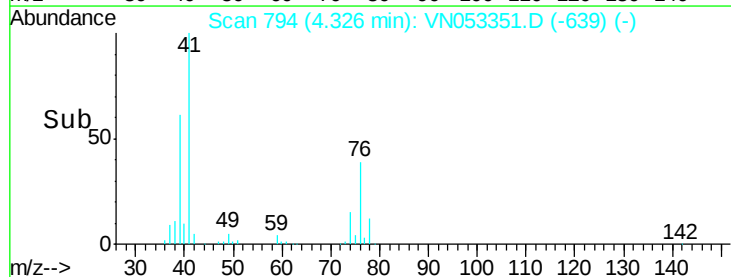
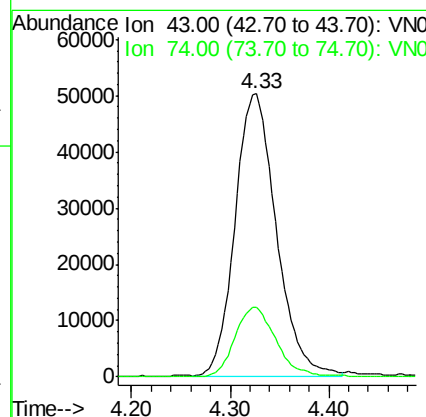
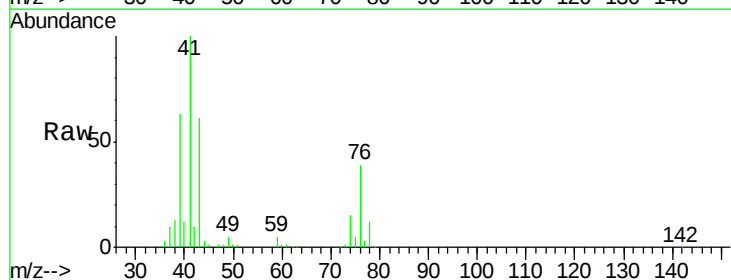
RT: 4.33 min Scan# 794

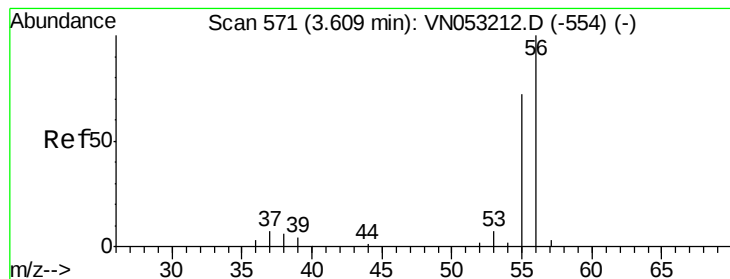
Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Tgt Ion:	43	Resp:	145824
Ion Ratio	Lower	Upper	
43	100		
74	24.5	18.9	28.3





#13

Acrolein

Concen: 102.707 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 80083

Ion Ratio Lower Upper

56 100

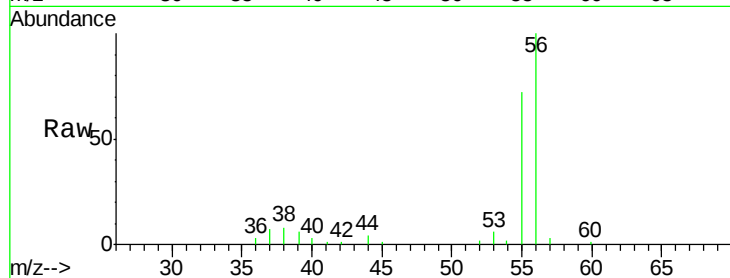
55 72.5 56.7 85.1

Manual Integrations

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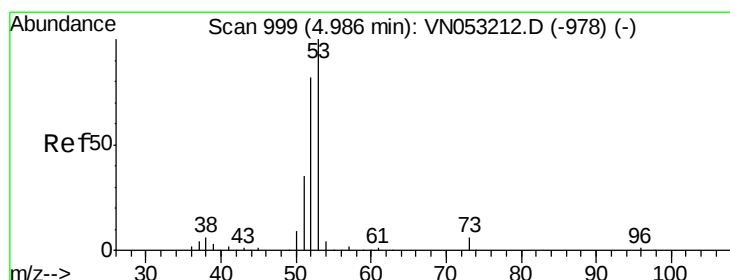
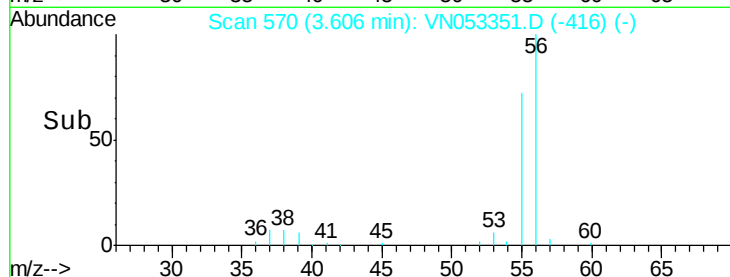
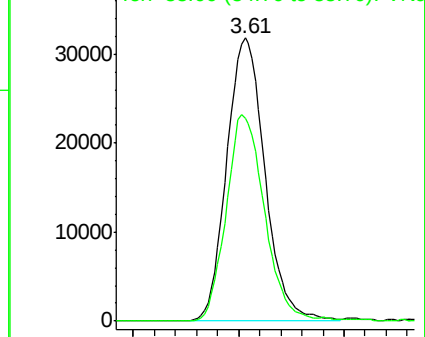
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 103.813 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

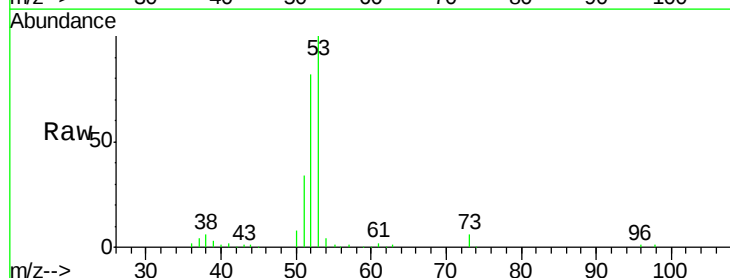
Tgt Ion: 53 Resp: 303305

Ion Ratio Lower Upper

53 100

52 81.8 39.9 119.7

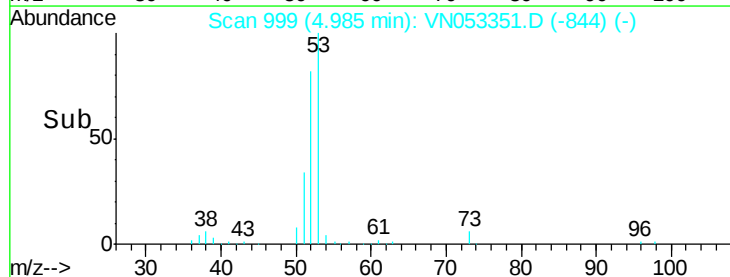
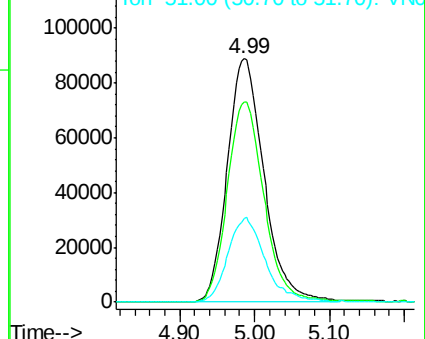
51 35.4 17.6 52.9

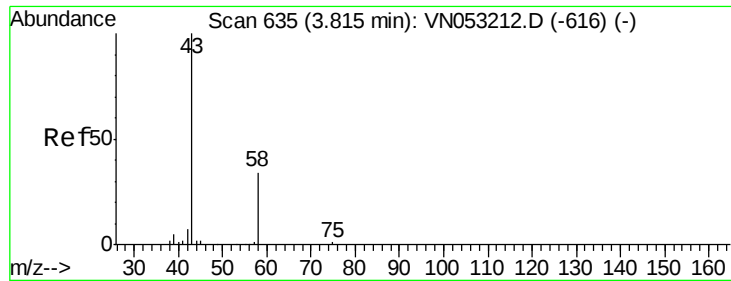


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 102.809 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 63837

Ion Ratio Lower Upper

58 100

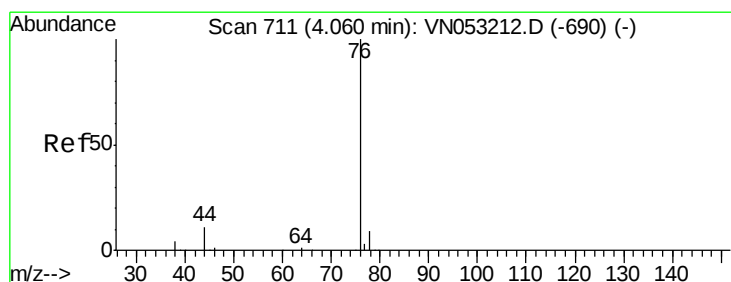
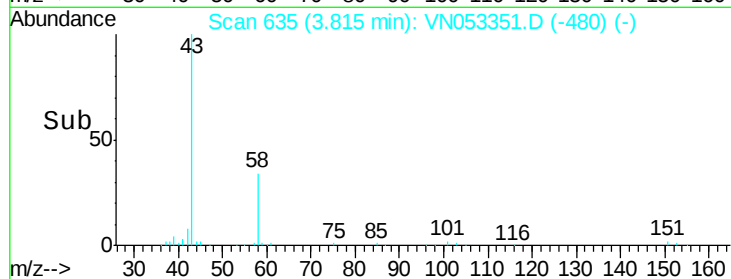
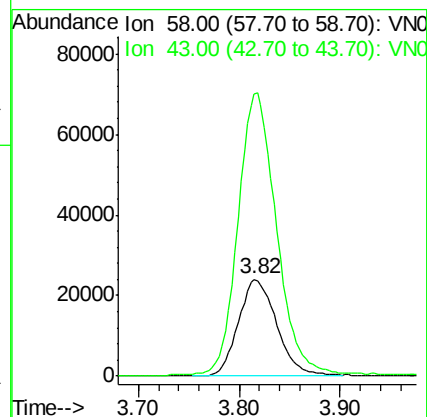
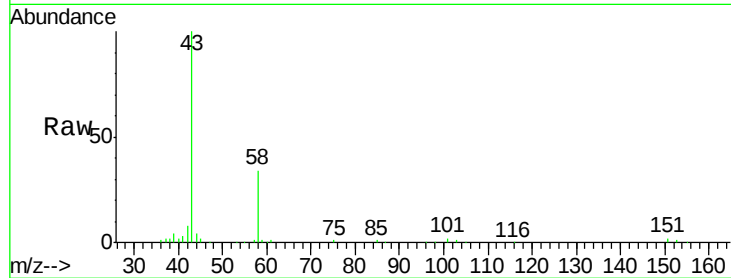
43 288.7 243.6 365.4

Manual Integrations

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#16

Carbon Disulfide

Concen: 16.644 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.01 min

Lab File: VN053351.D

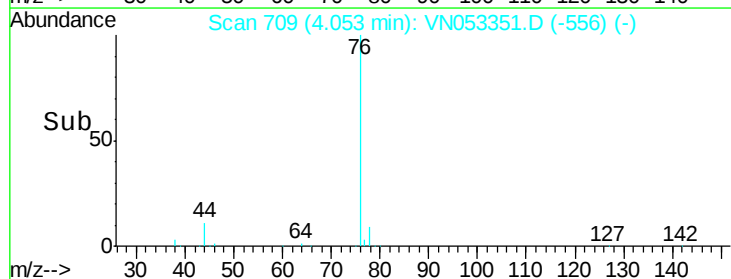
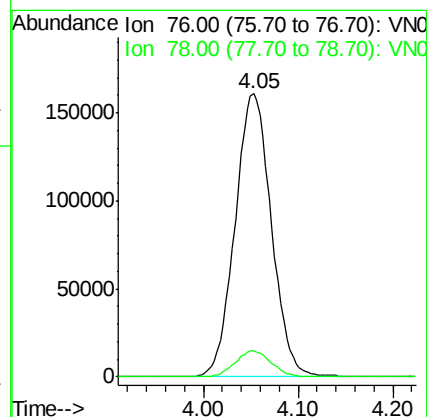
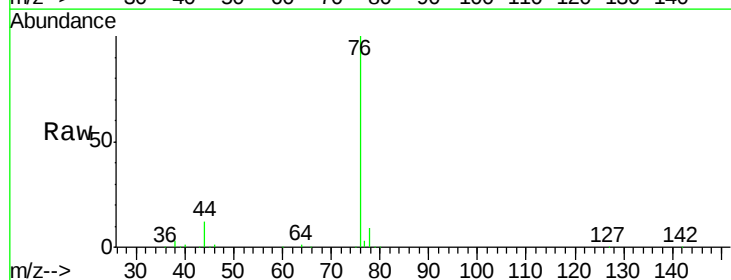
Acq: 10 Jan 2019 19:56

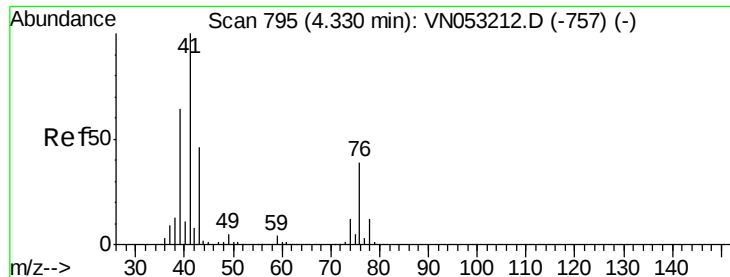
Tgt Ion: 76 Resp: 429030

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#17

Allvl chloride

Concen: 18.951 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.01 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

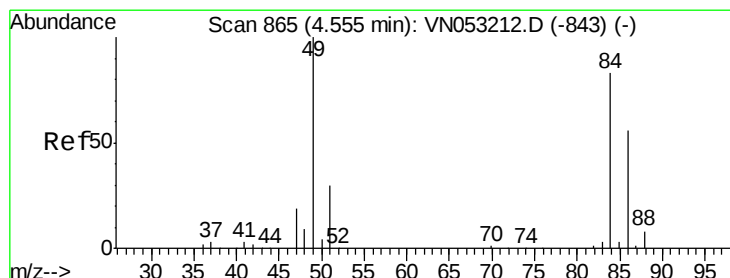
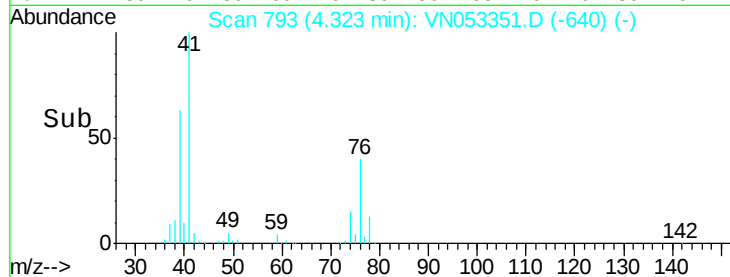
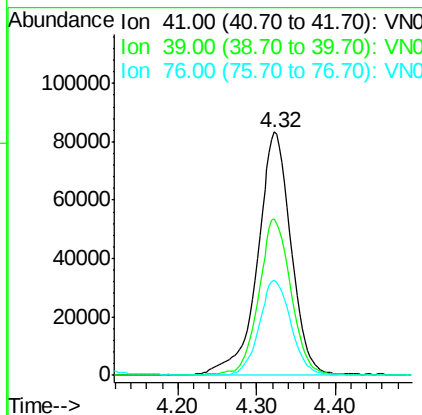
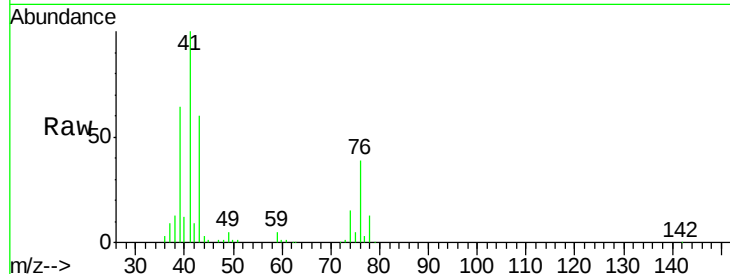
ClientSampleId :

VSTDCCC020EC

Tot Ion:	41	Resp:	249802
Ion Ratio	Lower	Upper	
41	100		
39	64.3	32.8	98.3
76	38.9	18.6	55.8

Manual Integrations
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#18

Methylene Chloride

Concen: 18.709 ug/l

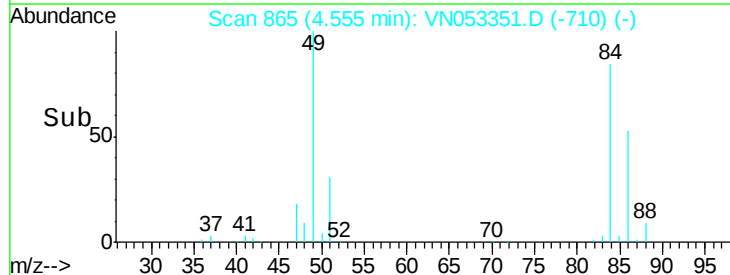
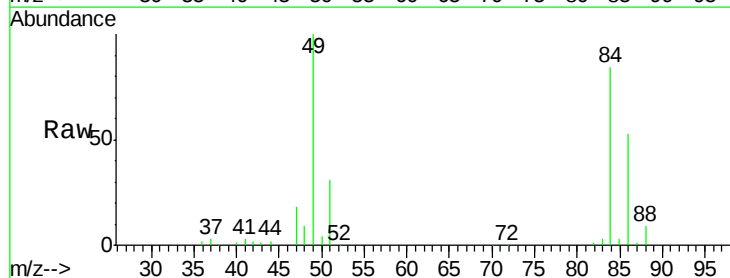
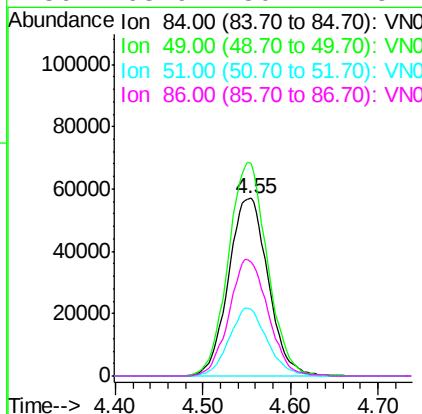
RT: 4.55 min Scan# 865

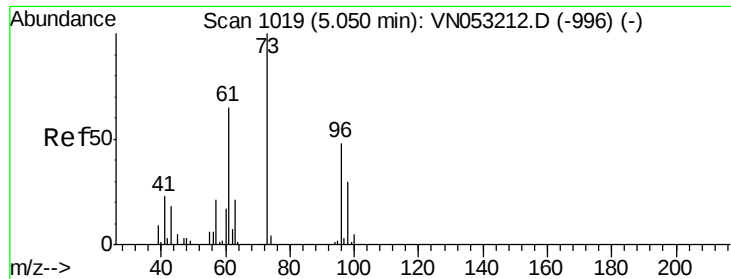
Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Tgt Ion:	84	Resp:	179414
Ion Ratio	Lower	Upper	
84	100		
49	119.1	101.4	152.0
51	37.5	31.7	47.5
86	63.9	50.1	75.1





#19

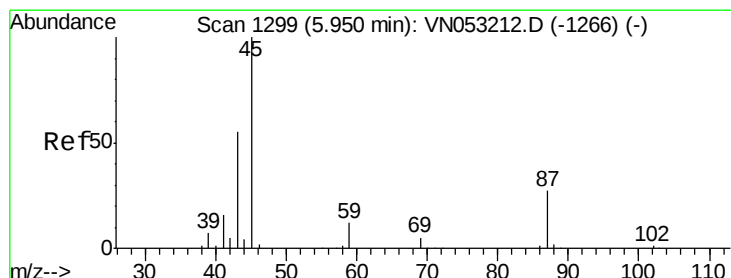
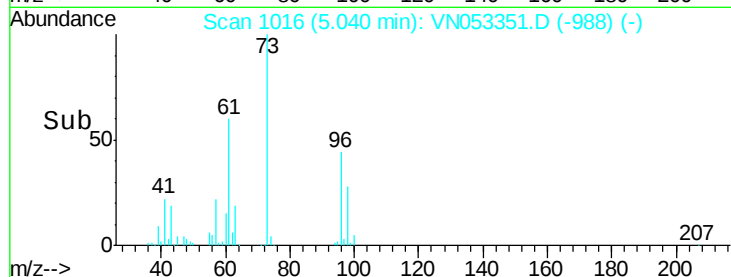
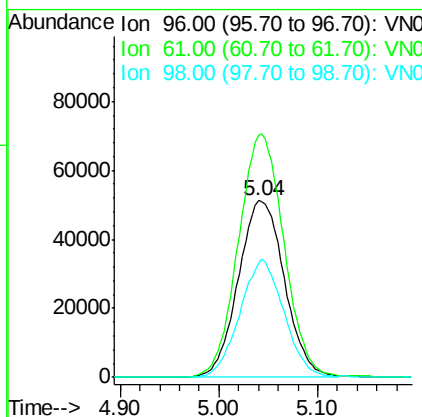
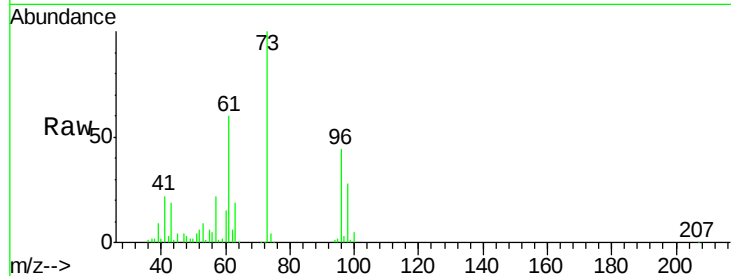
trans-1,2-Dichloroethene
Concen: 18.781 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	136.8	118.2	177.4	
98	64.5	51.4	77.2	

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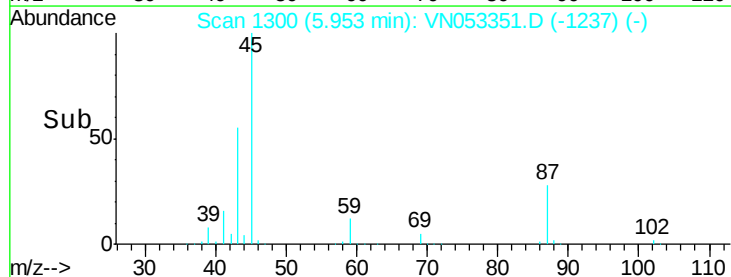
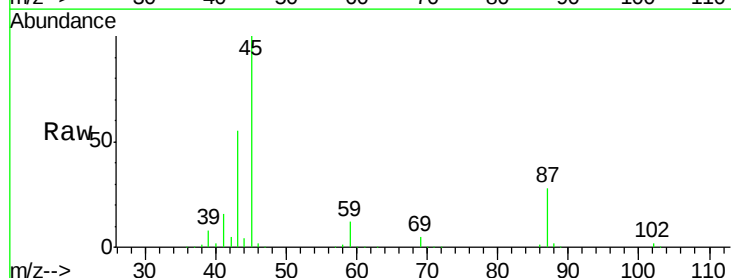
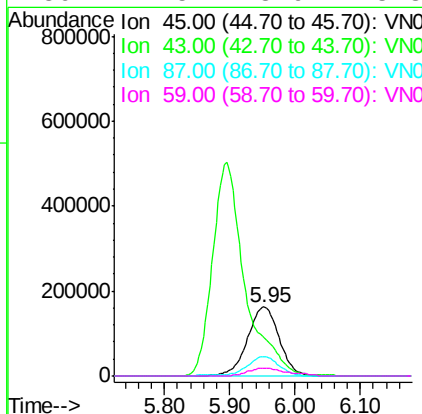
MMDadoda
1/11/2019 10:12:09 AM

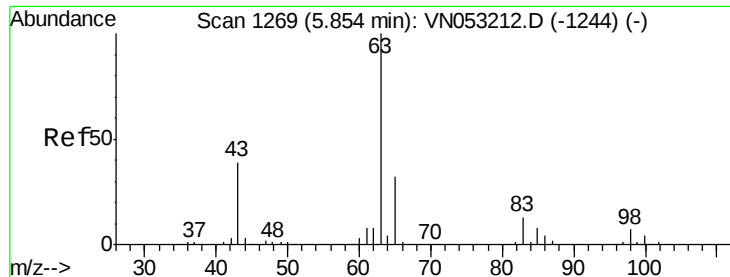


#20

Diisopropyl ether
Concen: 19.485 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	54.4	47.8	71.8	
87	28.2	21.3	31.9	
59	11.5	8.9	13.3	





#21

1,1-Dichloroethane

Concen: 19.048 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

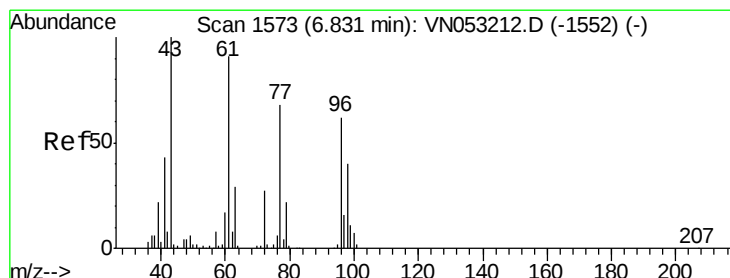
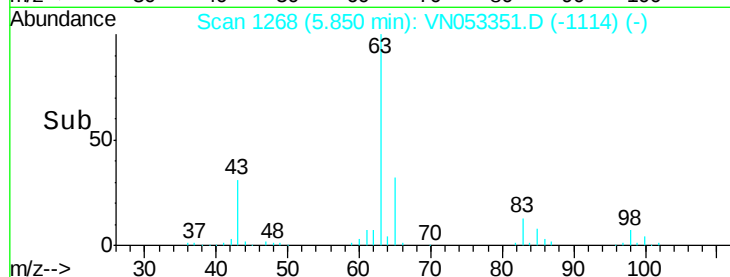
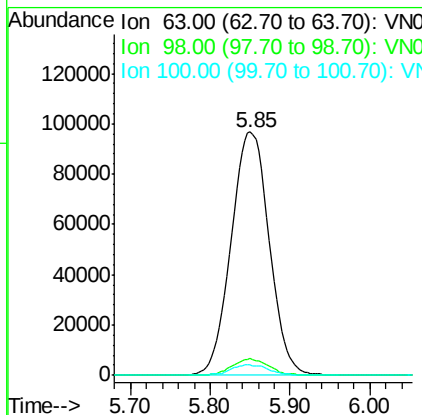
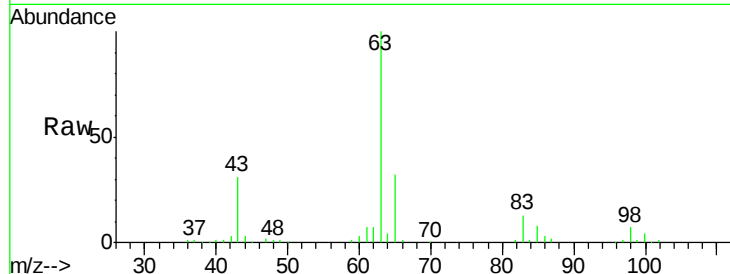
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	313071
Ion Ratio	Lower	Upper	
63	100		
98	6.8	3.0	9.2
100	4.1	1.8	5.5

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#22

cis-1,2-Dichloroethene

Concen: 19.316 ug/l

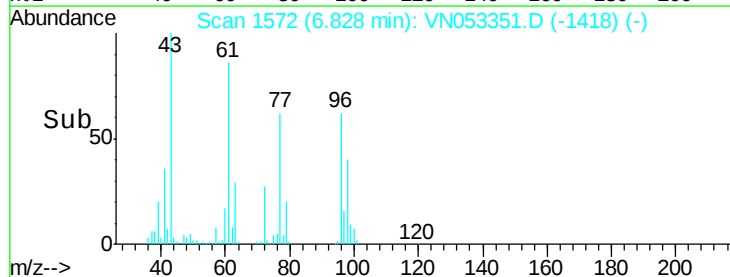
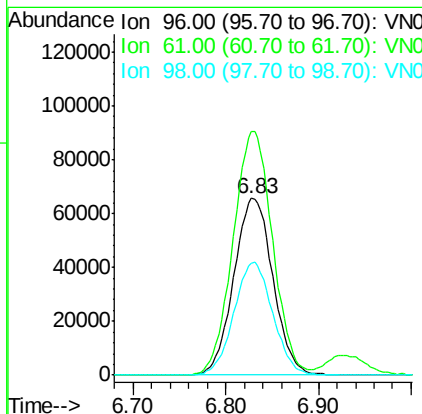
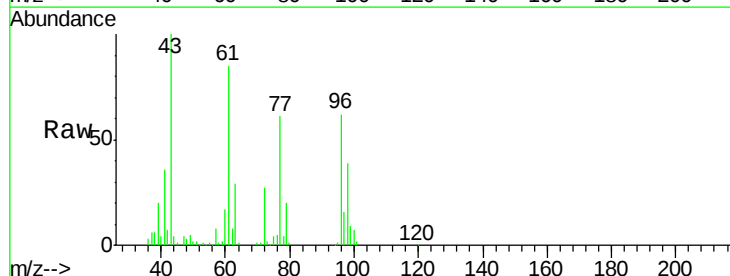
RT: 6.83 min Scan# 1572

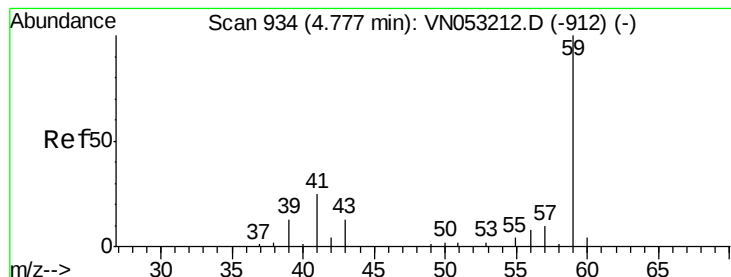
Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Tgt Ion:	96	Resp:	192671
Ion Ratio	Lower	Upper	
96	100		
61	138.8	116.7	175.1
98	63.1	50.8	76.2





#23

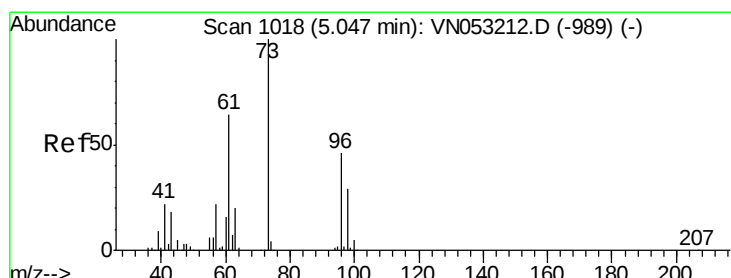
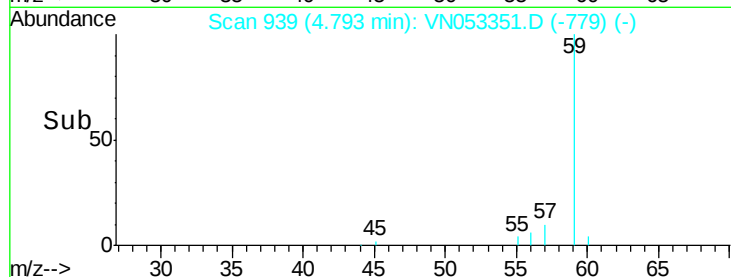
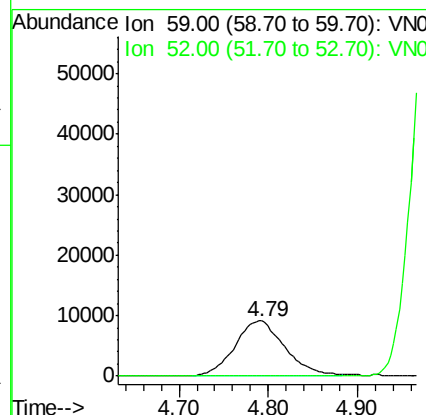
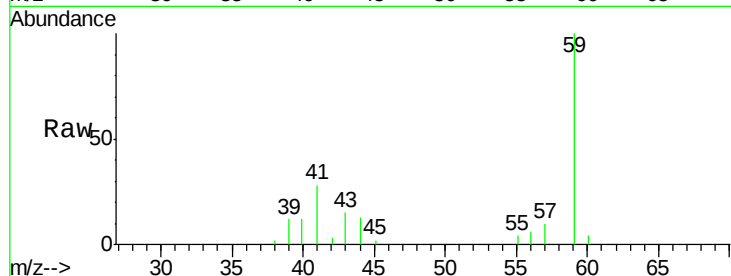
tert-Butyl Alcohol
Concen: 72.533 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.02 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
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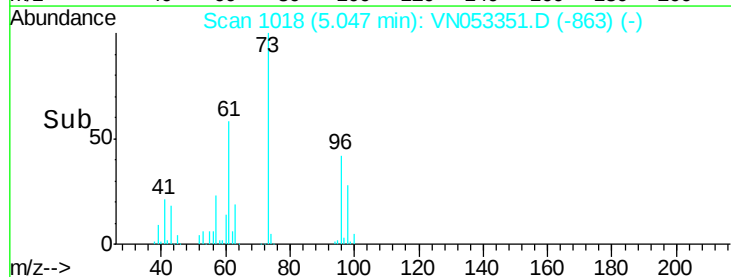
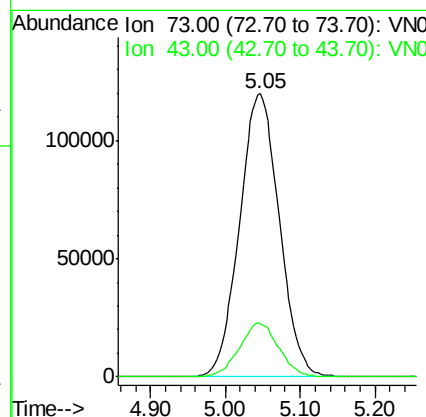
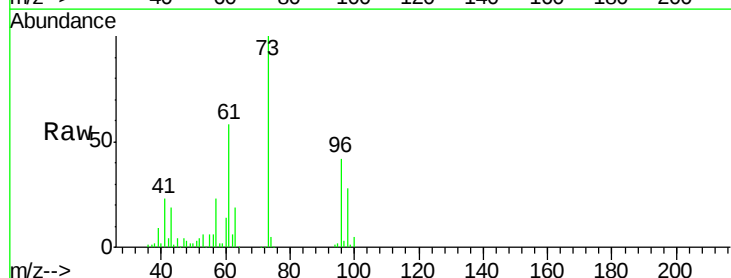
MMDadoda
1/11/2019 10:12:09 AM

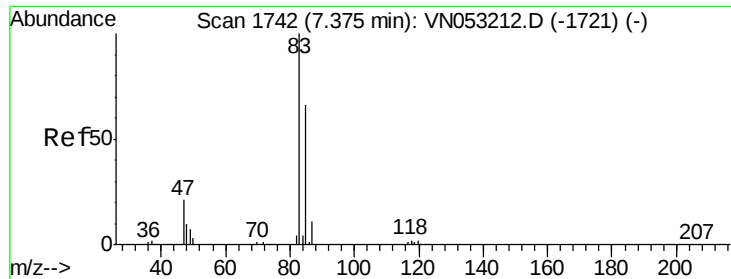


#24

Methyl tert-Butyl Ether
Concen: 20.258 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.8	15.8	23.8





#25

Chloroform

Concen: 19.158 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 302679

Ion Ratio Lower Upper

83 100

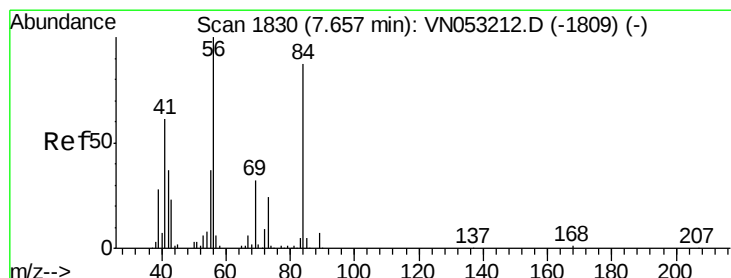
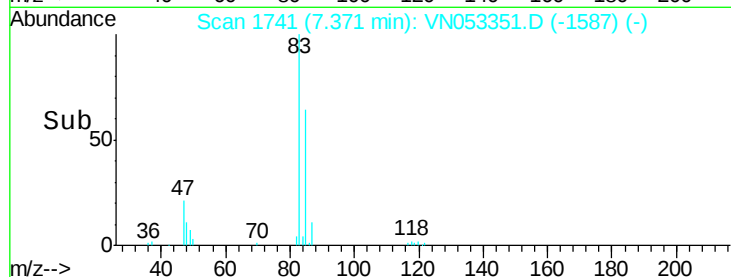
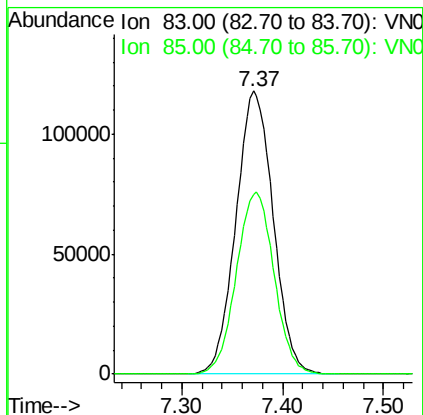
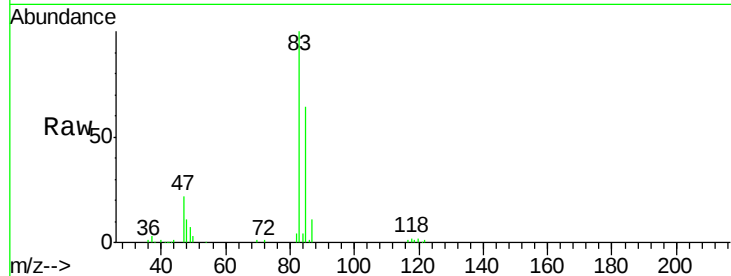
85 63.6 51.7 77.5

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#26

Cyclohexane

Concen: 18.781 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

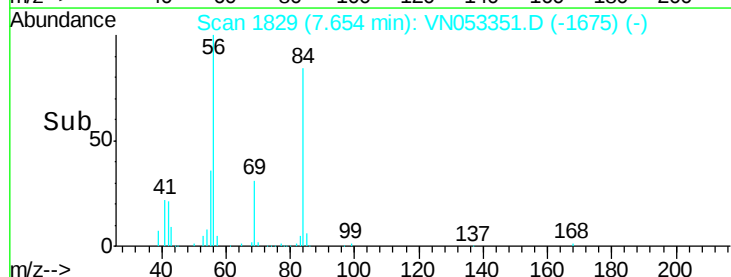
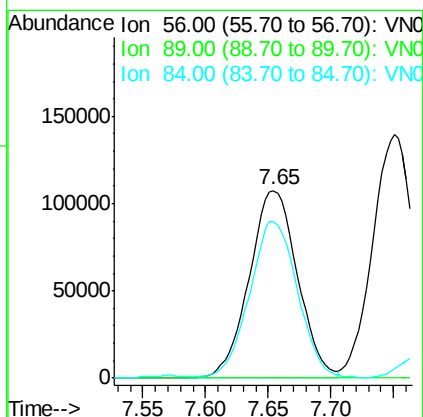
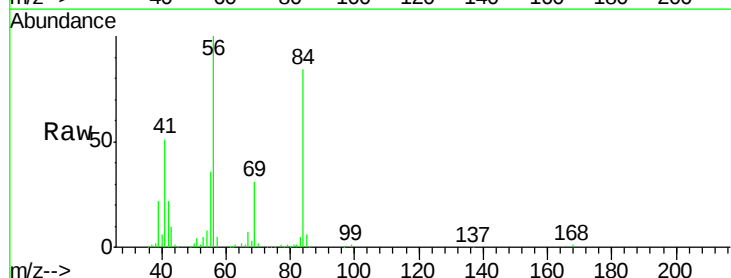
Tgt Ion: 56 Resp: 287919

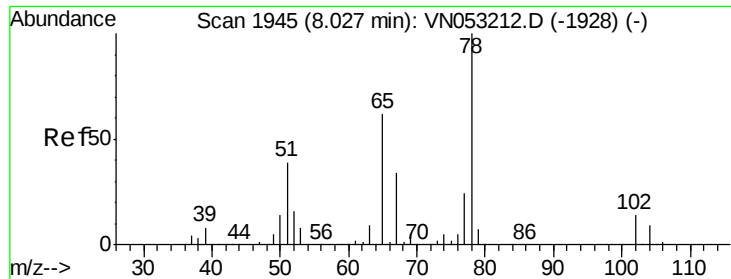
Ion Ratio Lower Upper

56 100

89 0.0 0.5 0.7#

84 83.3 66.2 99.2





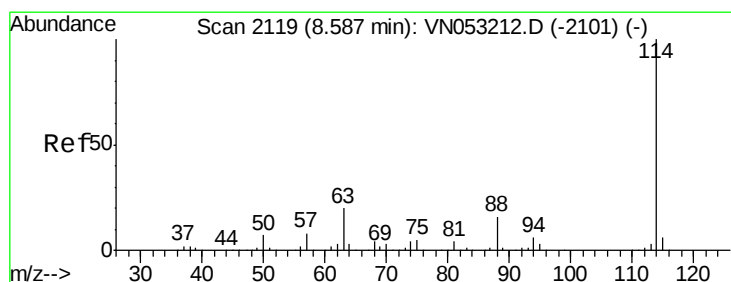
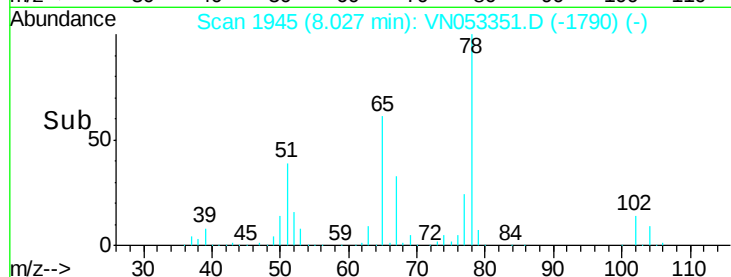
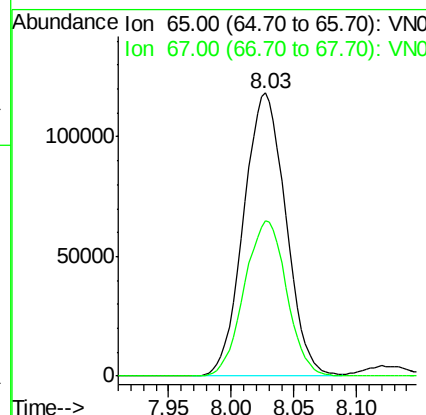
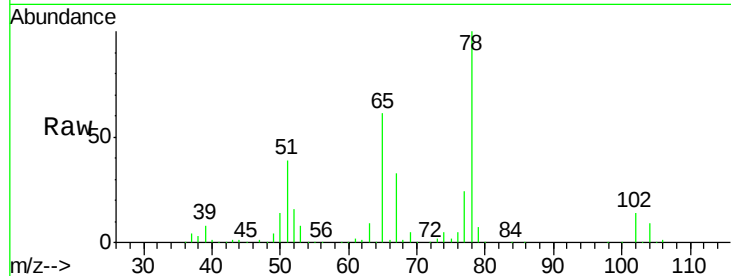
#27
 1,2-Dichloroethane-d4
 Concen: 18.781 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.8	44.6	66.8

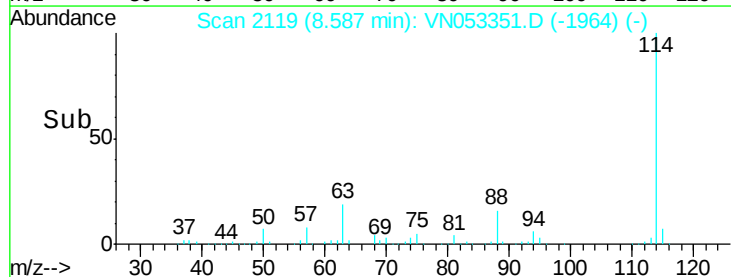
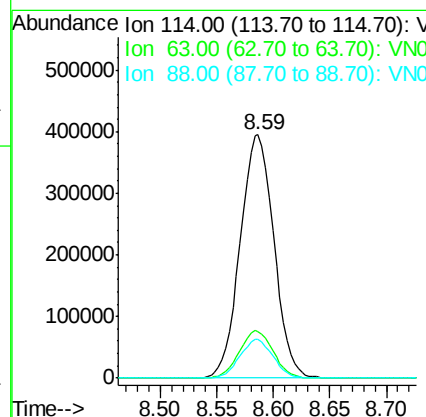
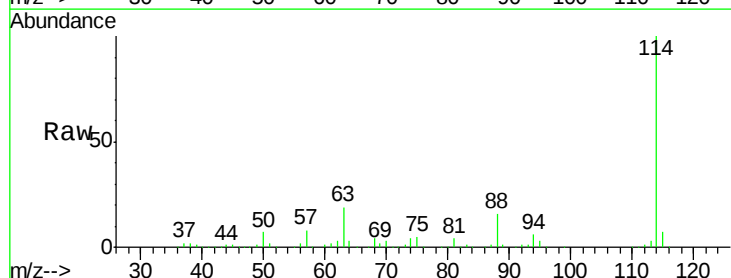
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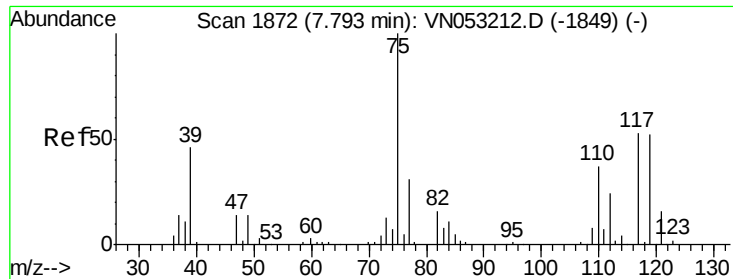
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	16.9	25.3
88	15.5	12.8	19.2





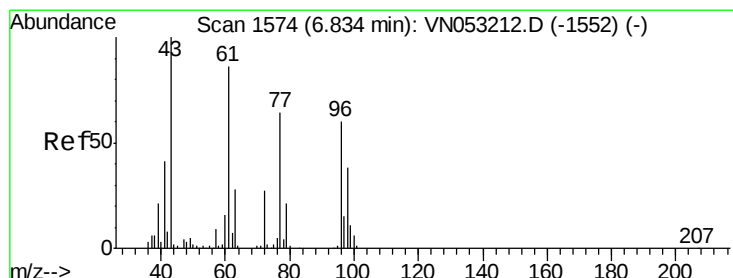
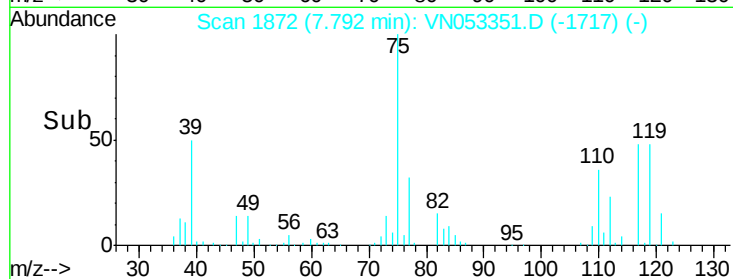
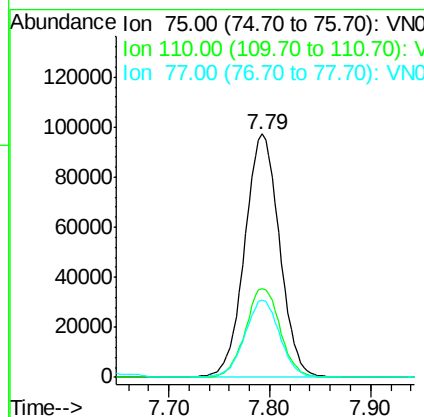
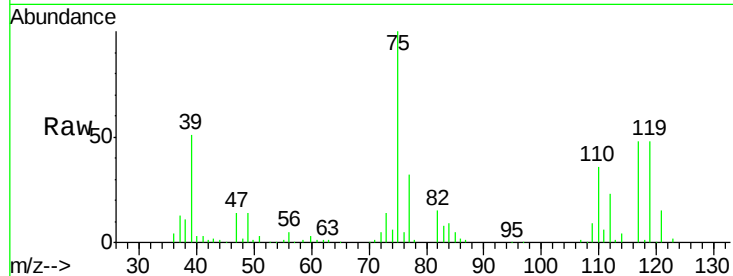
#29
 1,1-Dichloropropene
 Concen: 18.689 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.4	0.0	70.2
77	31.9	0.0	62.6

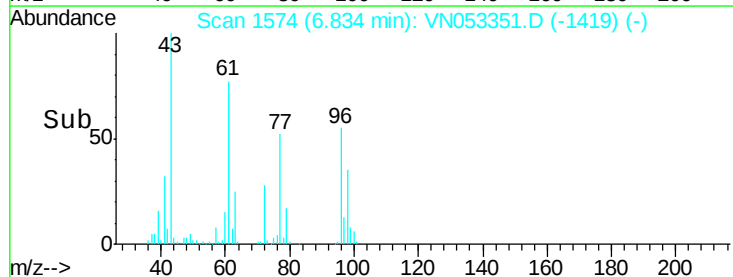
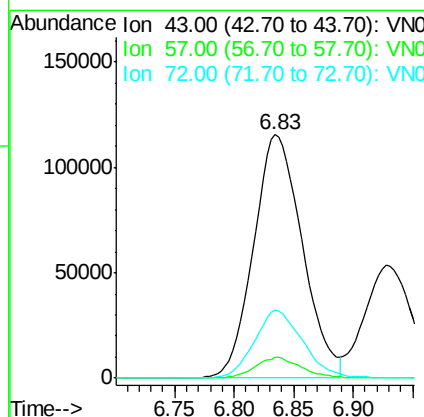
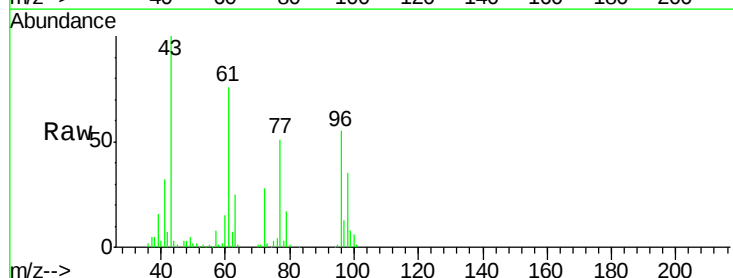
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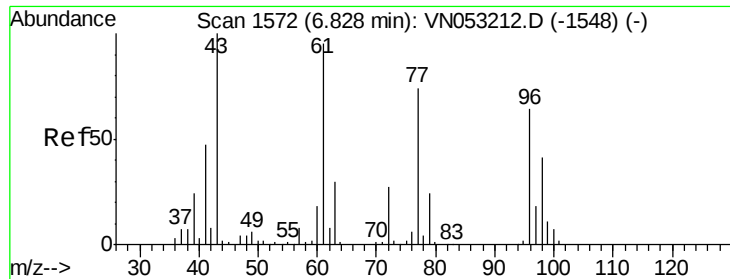
MMDadoda
 1/11/2019 10:12:09 AM



#30
 2-Butanone
 Concen: 105.214 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.2	9.4
72	28.0	21.0	31.6





#31

2,2-Dichloropropane

Concen: 16.918 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 203678

Ion Ratio Lower Upper

77 100

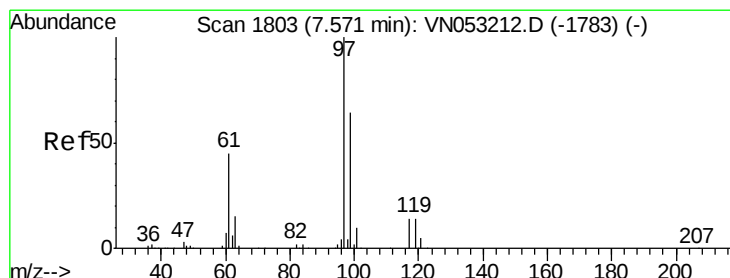
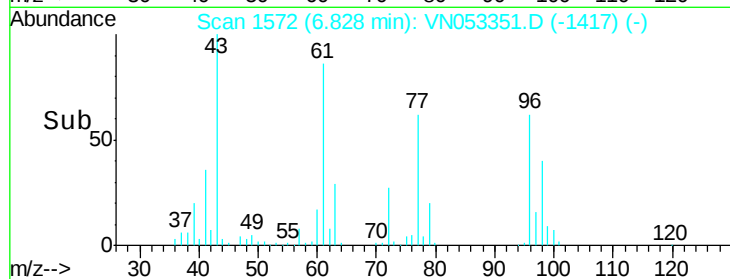
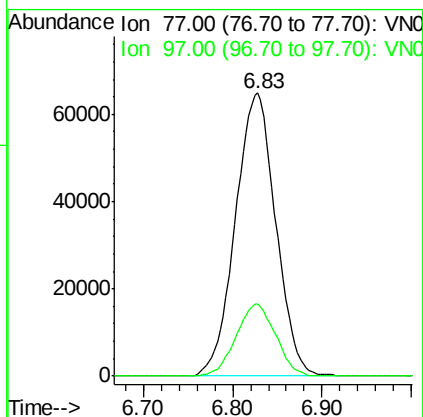
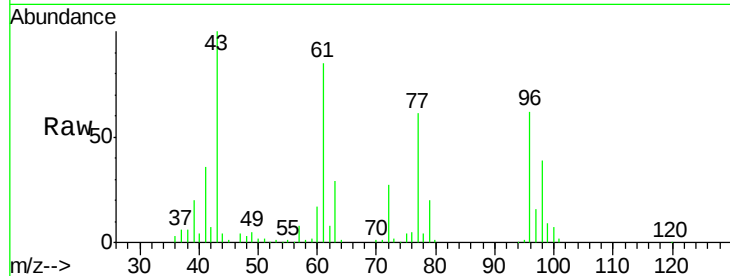
97 24.9 18.7 28.1

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#32

1,1,1-Trichloroethane

Concen: 19.274 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

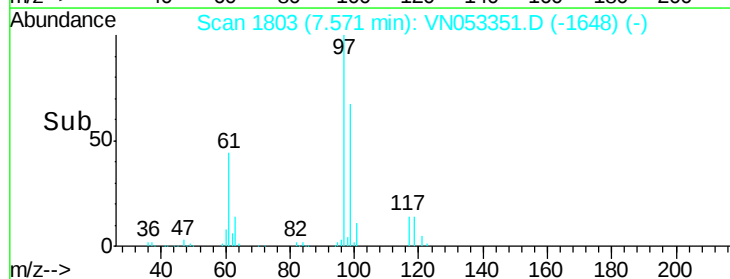
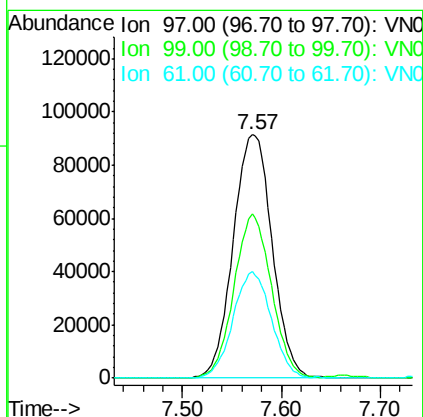
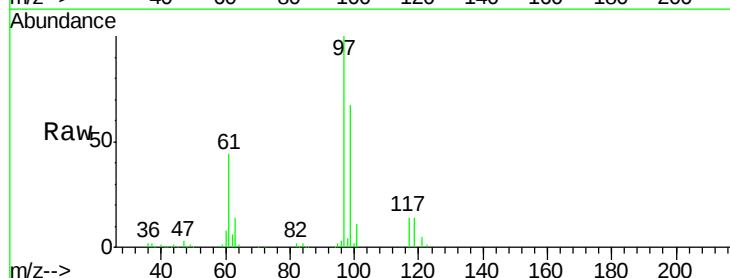
Tgt Ion: 97 Resp: 251135

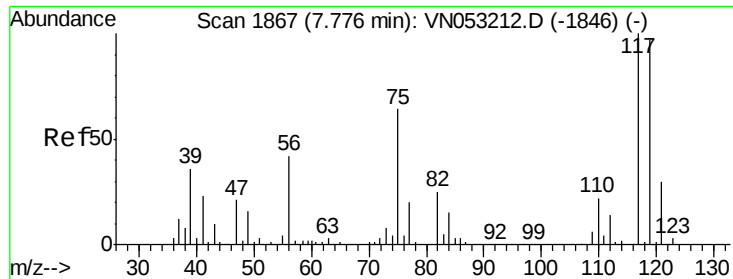
Ion Ratio Lower Upper

97 100

99 64.6 50.9 76.3

61 42.9 38.1 57.1





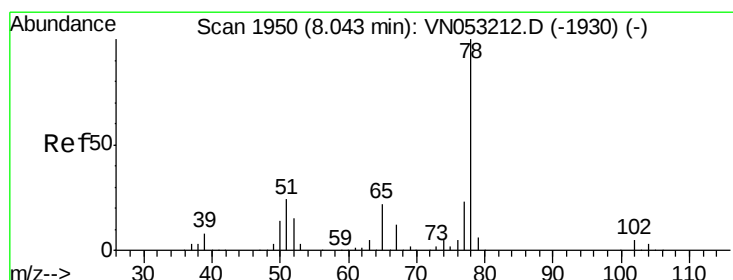
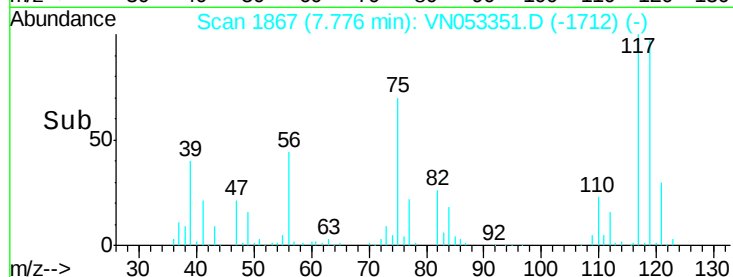
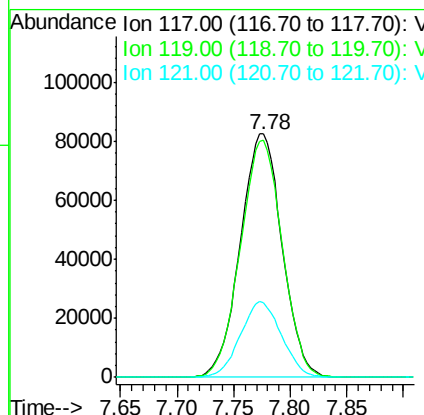
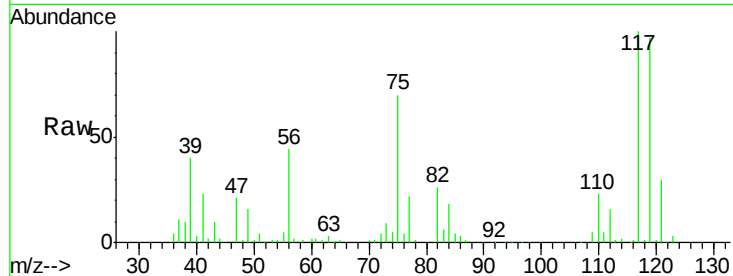
#33
Carbon Tetrachloride
Concen: 18.581 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.3	115.9
121	30.5	24.9	37.3

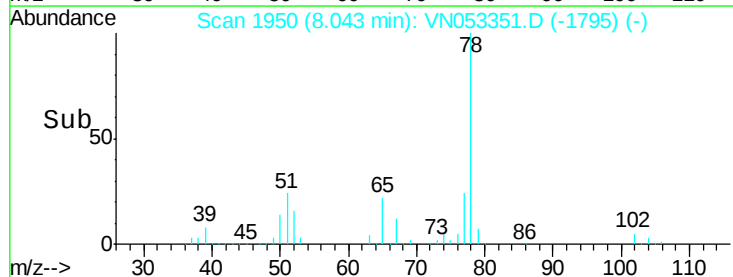
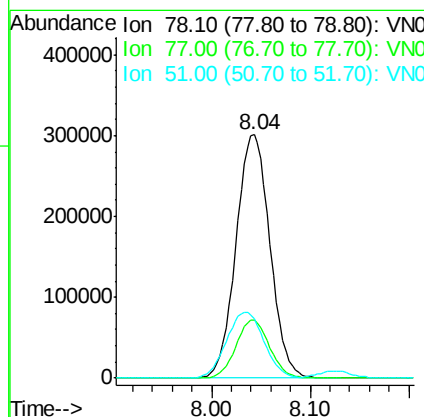
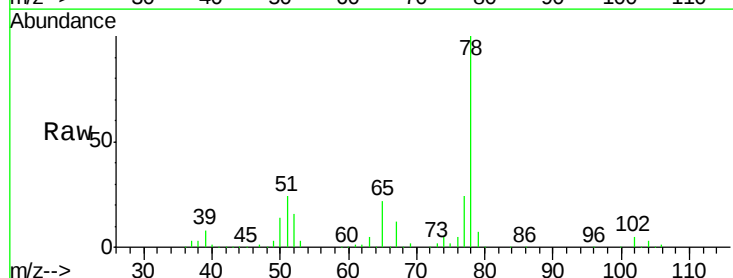
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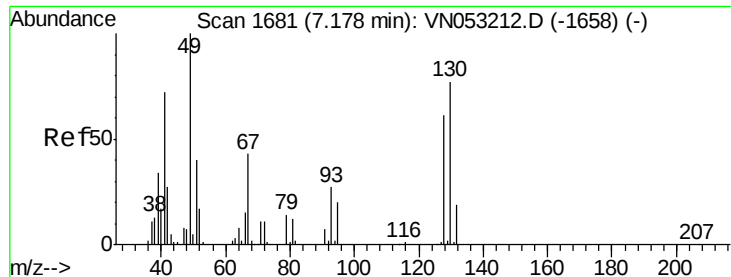
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#34
Benzene
Concen: 19.230 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6
51	24.2	20.5	30.7





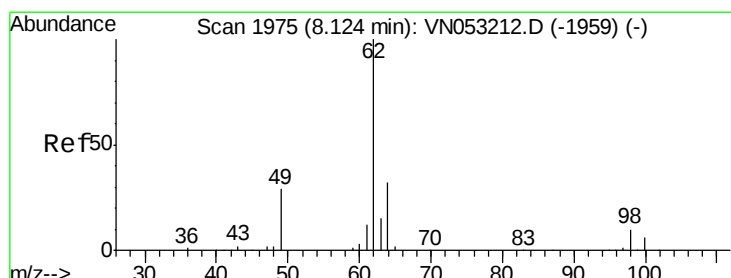
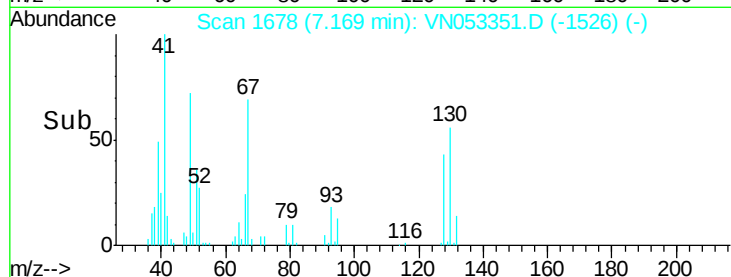
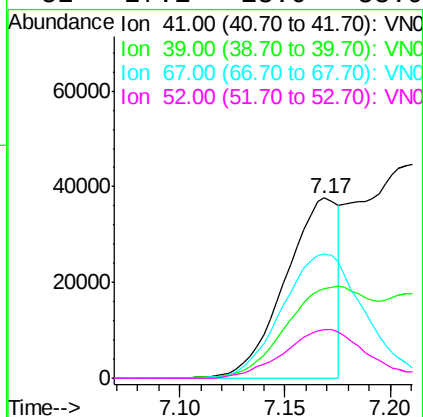
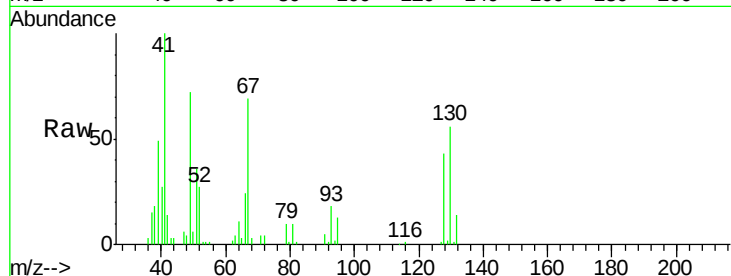
#35
Methacrylonitrile
Concen: 16.432 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	49.5	26.6	79.7	
67	69.2	32.3	96.9	
52	27.1	13.0	38.9	

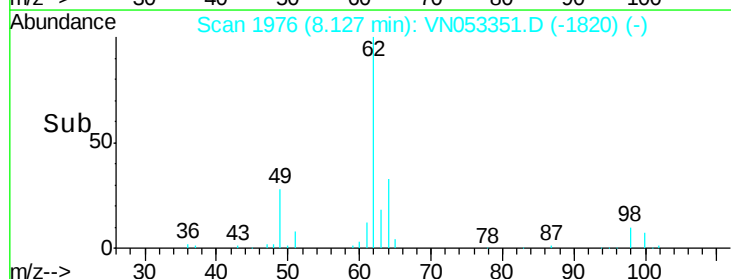
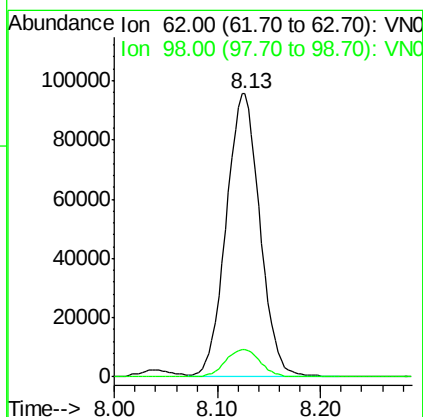
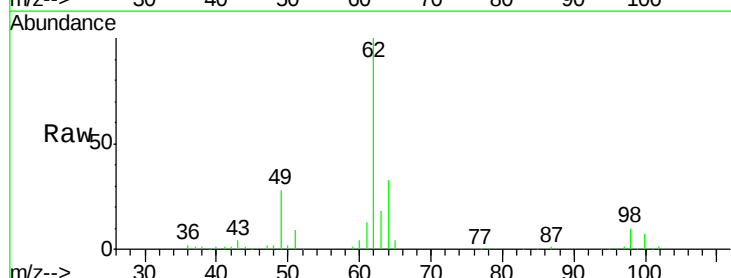
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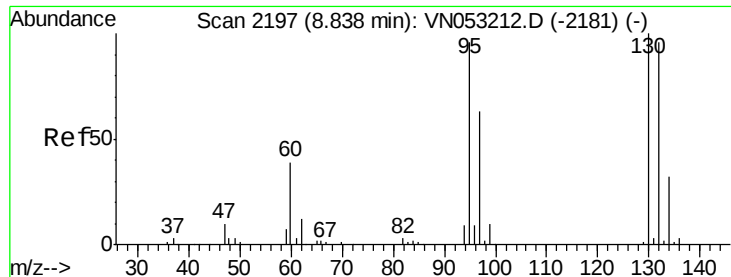
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#36
1,2-Dichloroethane
Concen: 20.010 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	7.4	11.2	





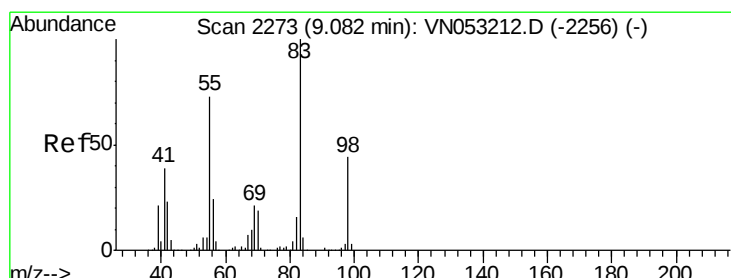
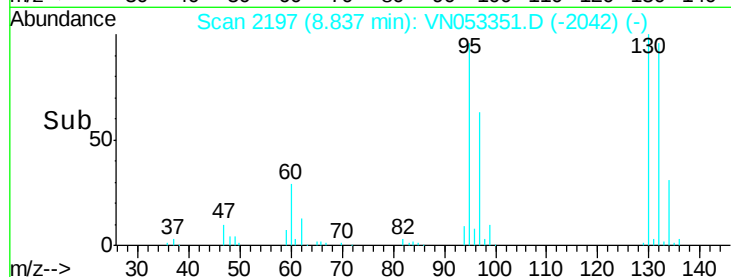
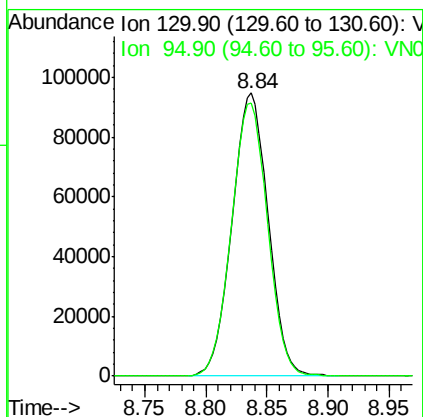
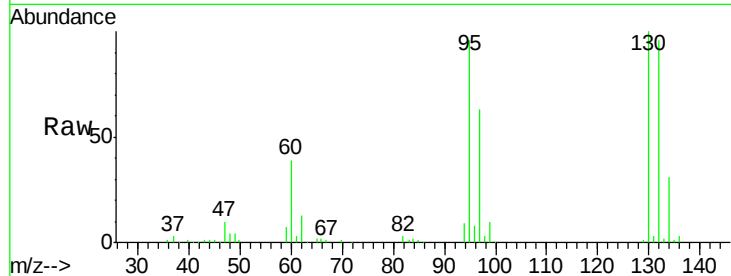
#37
 Trichloroethene
 Concen: 19.213 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Tot Ion:130 Resp: 194526
 Ion Ratio Lower Upper
 130 100
 95 96.4 81.0 121.4

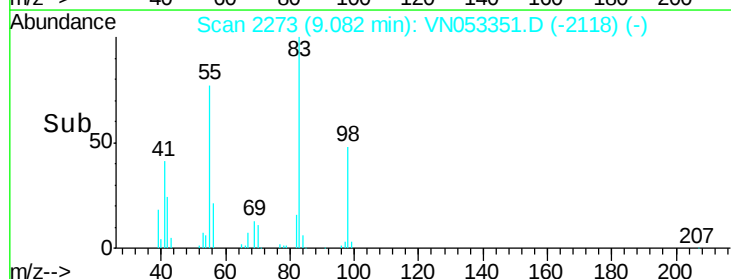
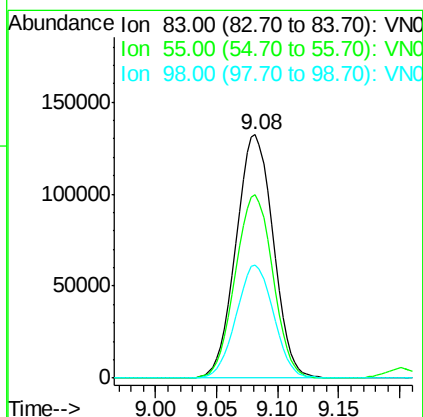
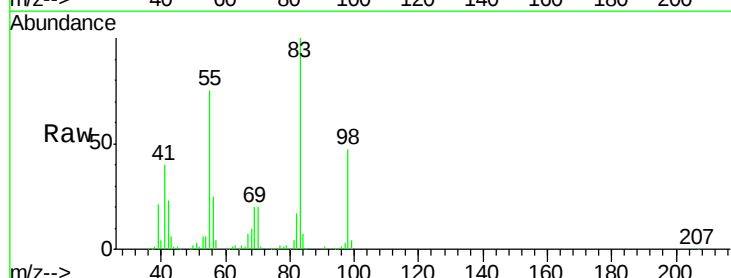
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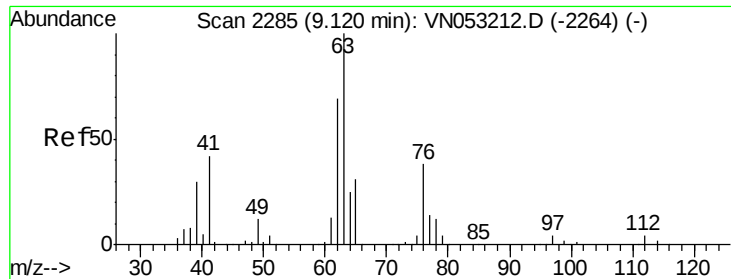
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#38
 Methylcyclohexane
 Concen: 19.302 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Tgt Ion: 83 Resp: 280761
 Ion Ratio Lower Upper
 83 100
 55 76.0 39.8 119.4
 98 46.6 22.9 68.5





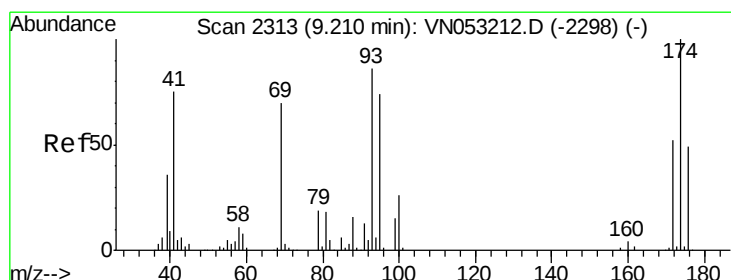
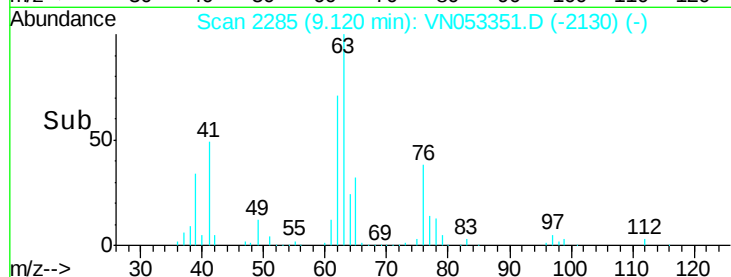
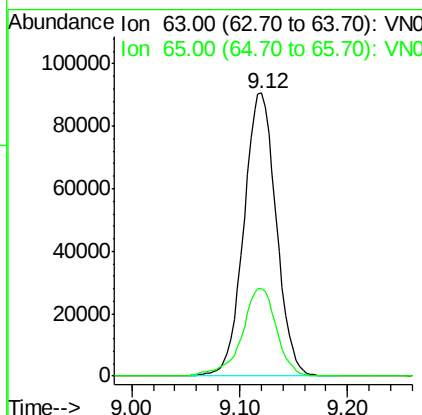
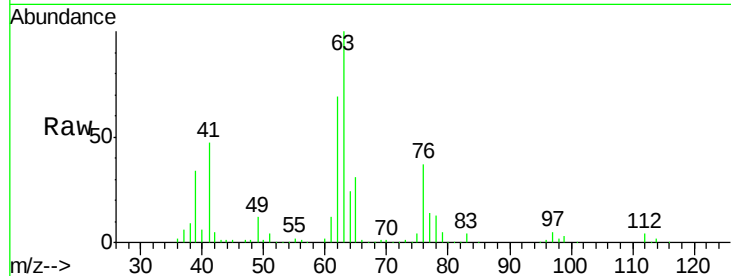
#39
 1,2-Dichloropropane
 Concen: 19.393 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 189263
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.6 35.4

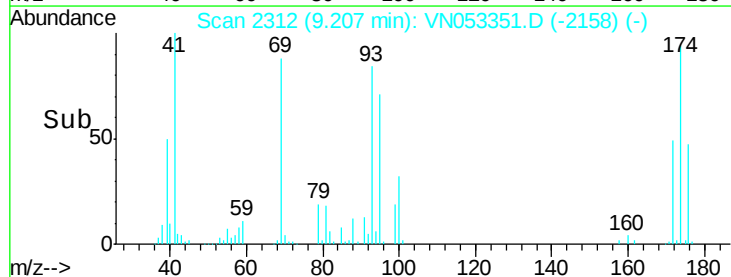
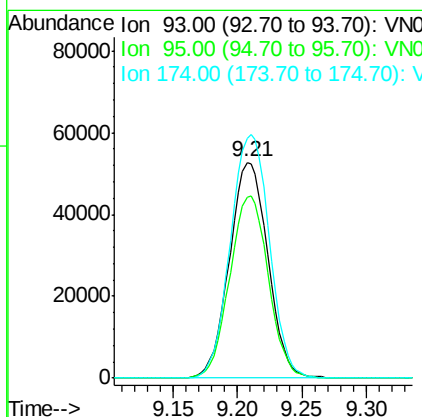
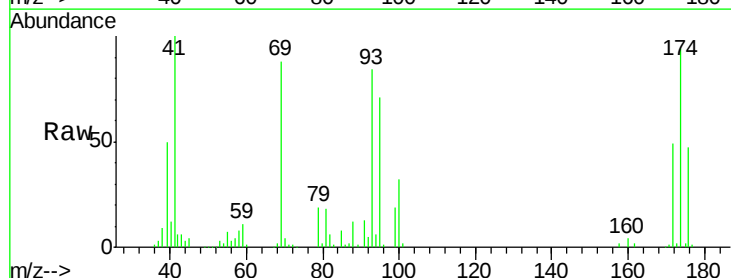
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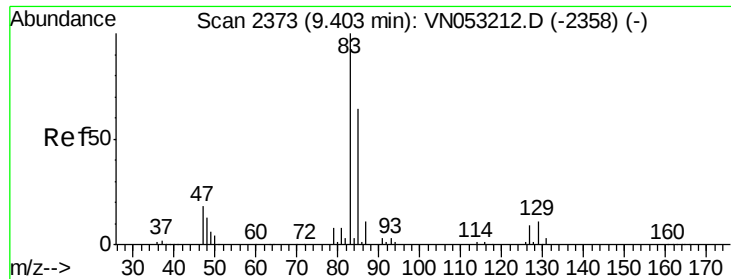
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#40
 Dibromomethane
 Concen: 19.854 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Tgt Ion: 93 Resp: 109578
 Ion Ratio Lower Upper
 93 100
 95 84.6 0.0 168.4
 174 114.3 0.0 210.0





#41

Bromodichloromethane

Concen: 18.850 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

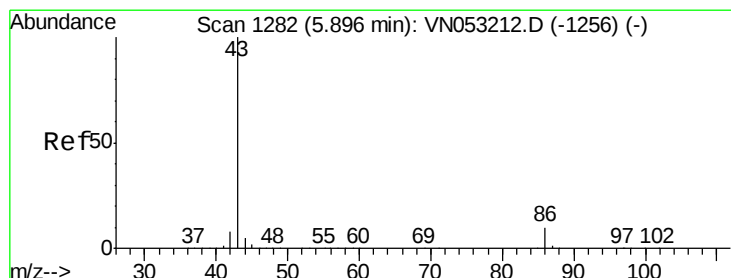
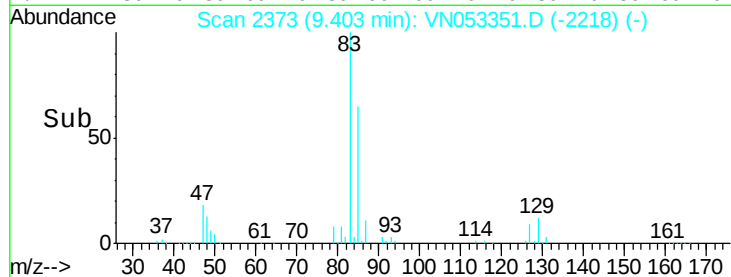
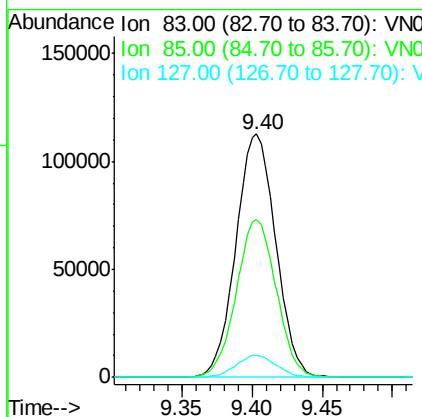
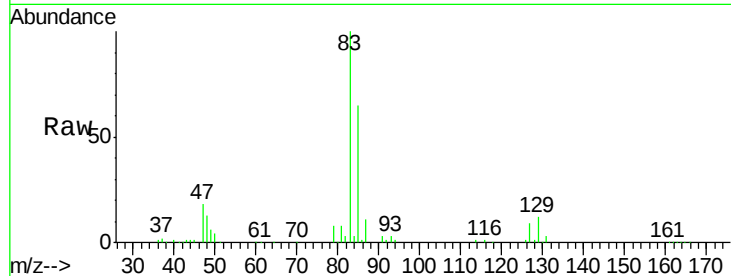
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	223427
Ion Ratio	Lower	Upper	
83	100		
85	65.1	52.4	78.6
127	9.3	6.6	9.8

Manual Integrations
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#42

Vinyl Acetate

Concen: 102.600 ug/l

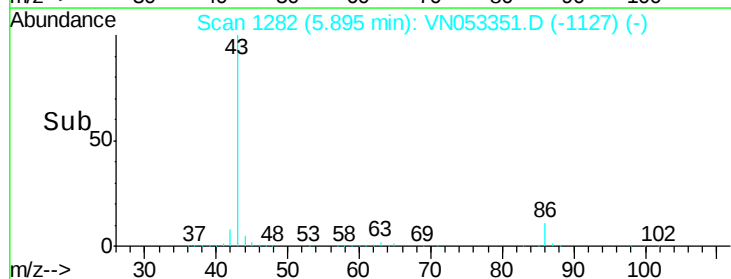
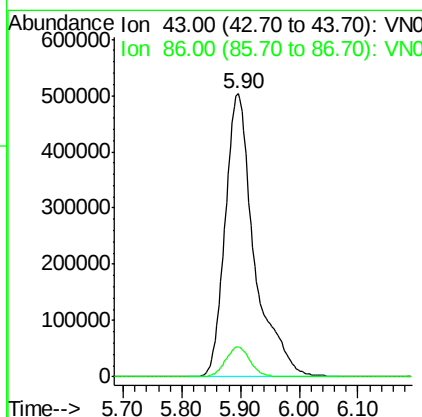
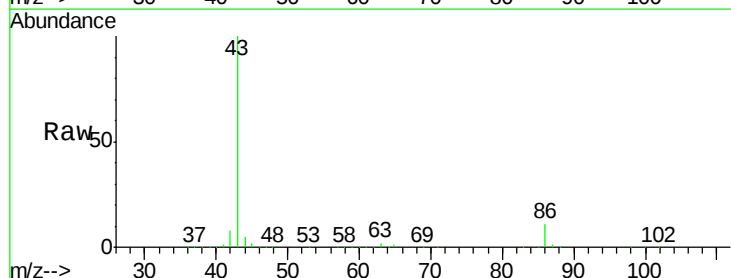
RT: 5.90 min Scan# 1282

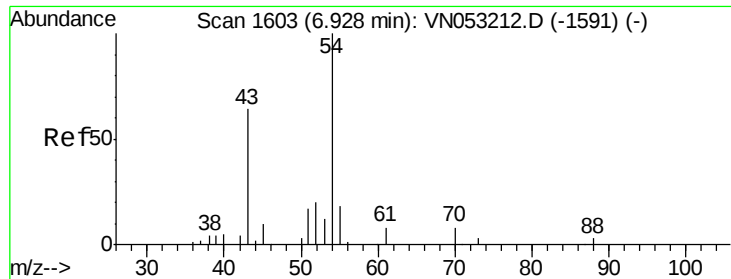
Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Tgt Ion:	43	Resp:	1736686
Ion Ratio	Lower	Upper	
43	100		
86	9.1	6.5	9.7





#43

Ethyl Acetate

Concen: 21.283 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 147467

Ion Ratio Lower Upper

43 100

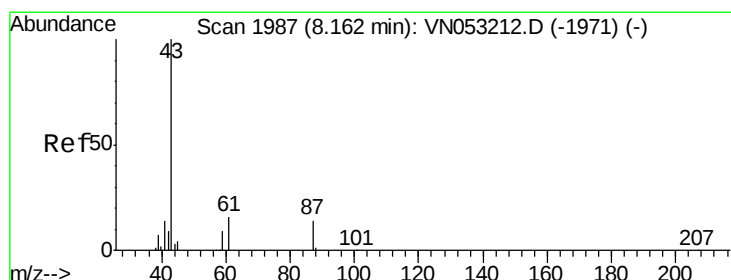
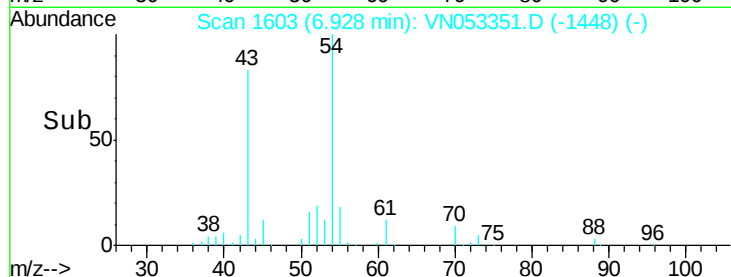
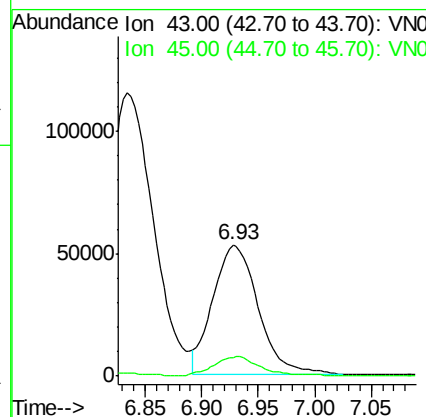
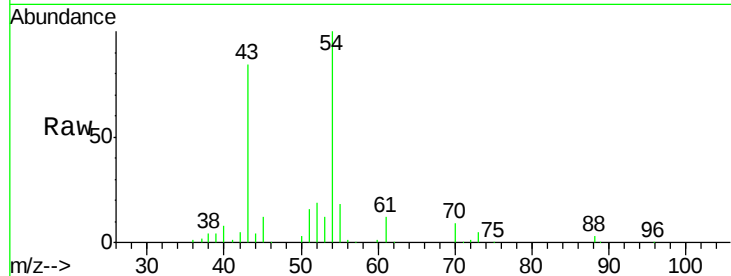
45 13.8 1.0 1.6#

Manual Integrations

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#44

Isopropyl Acetate

Concen: 21.942 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053351.D

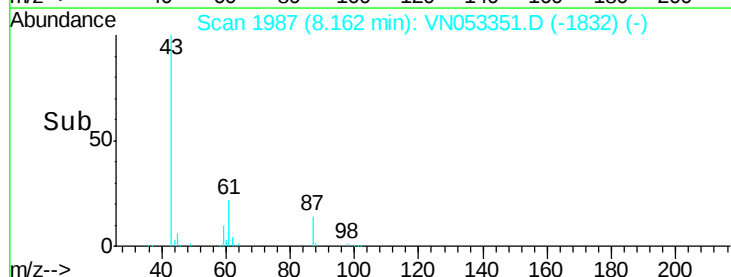
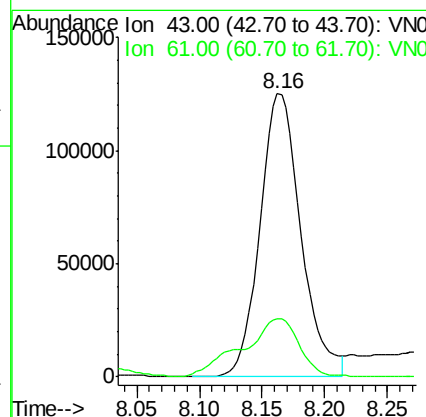
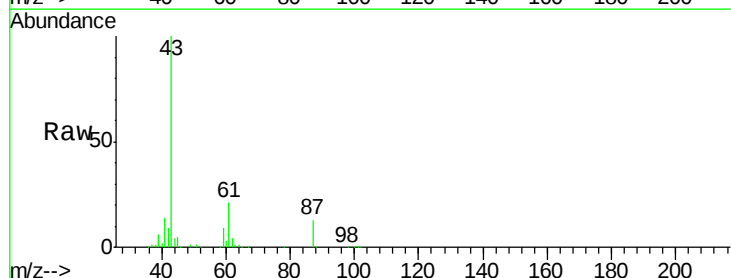
Acq: 10 Jan 2019 19:56

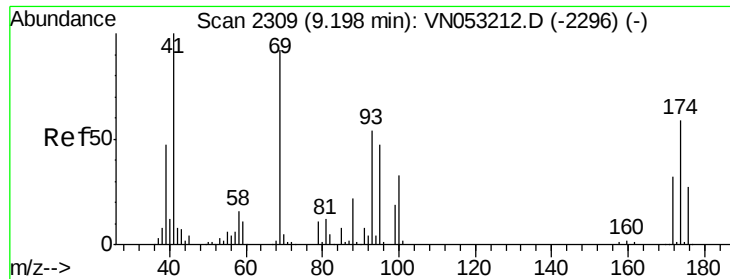
Tgt Ion: 43 Resp: 283211

Ion Ratio Lower Upper

43 100

61 19.9 16.0 24.0





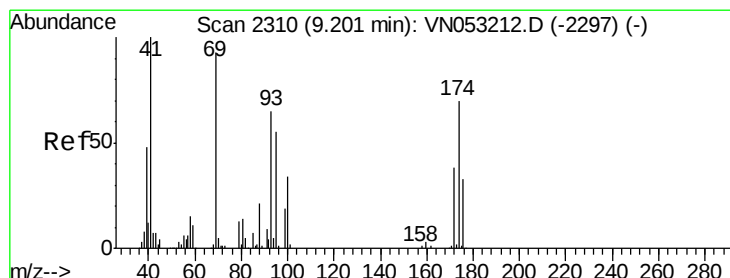
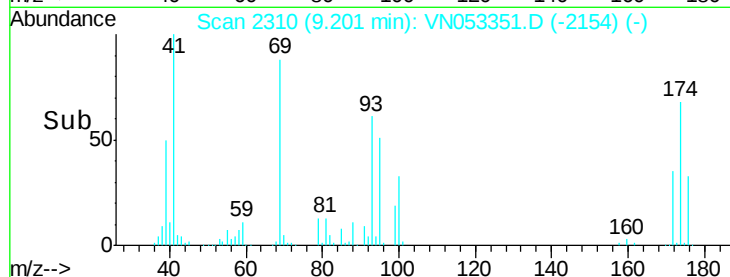
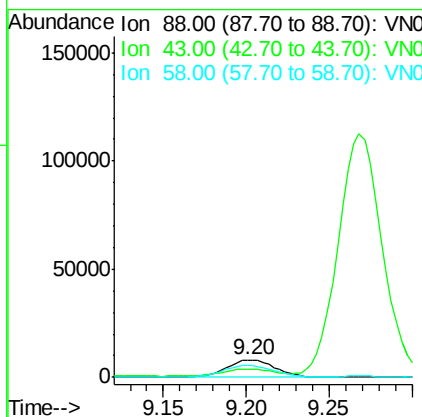
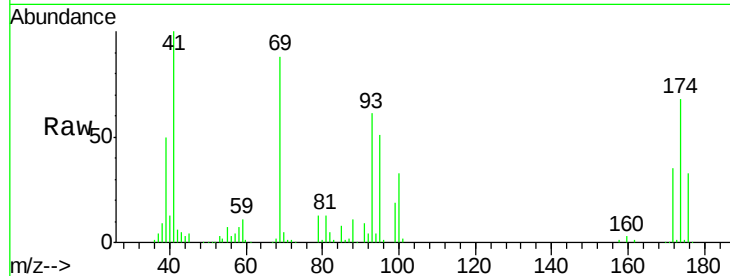
#45
 1,4-Dioxane
 Concen: 208.294 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	88	Resp	16440
Ion	Ratio	Lower	Upper
88	100		
43	44.8	29.5	44.3#
58	73.1	61.5	92.3

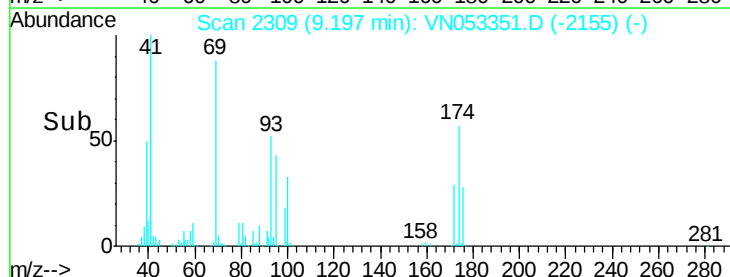
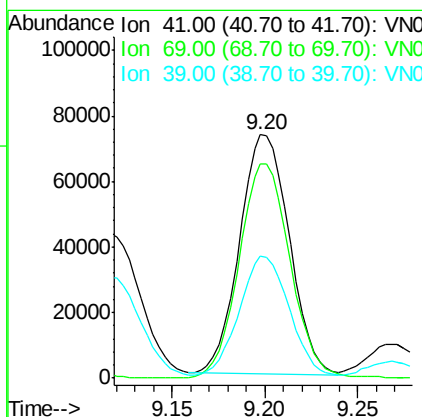
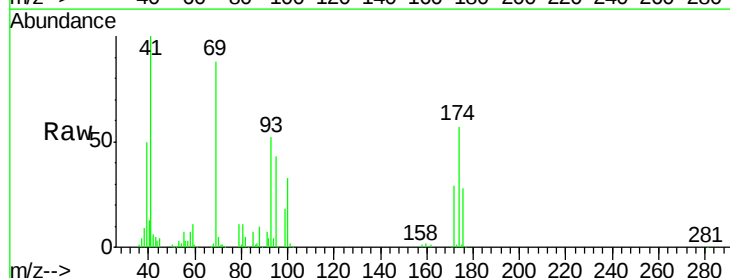
Manual Integrations
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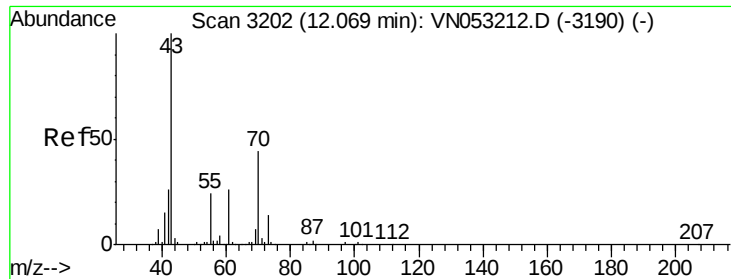
MMDadoda
 1/11/2019 10:12:09 AM



#46
 Methyl methacrylate
 Concen: 20.782 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Tgt Ion	41	Resp	135507
Ion	Ratio	Lower	Upper
41	100		
69	89.8	42.5	127.6
39	49.9	26.3	78.9





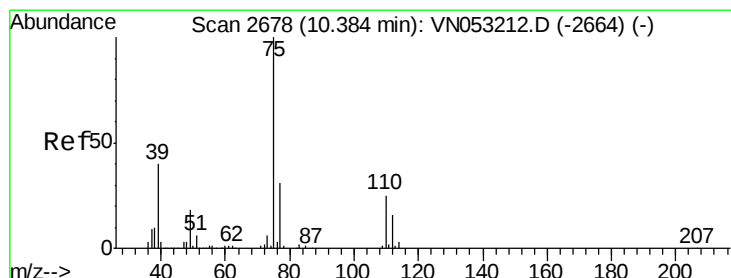
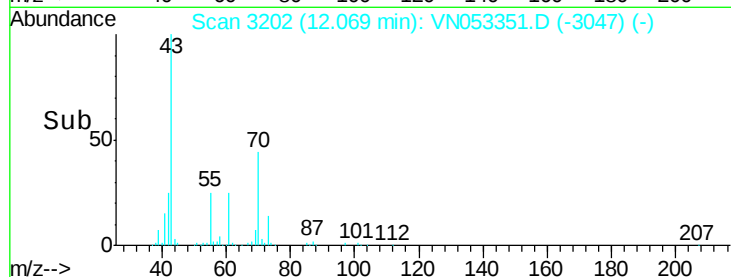
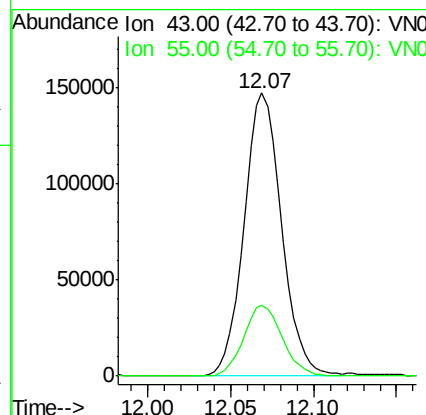
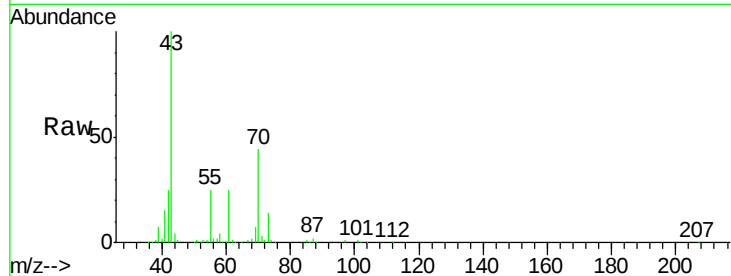
#47
n-amvl Acetate
Concen: 20.298 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 230081
Ion Ratio Lower Upper
43 100
55 26.0 21.1 31.7

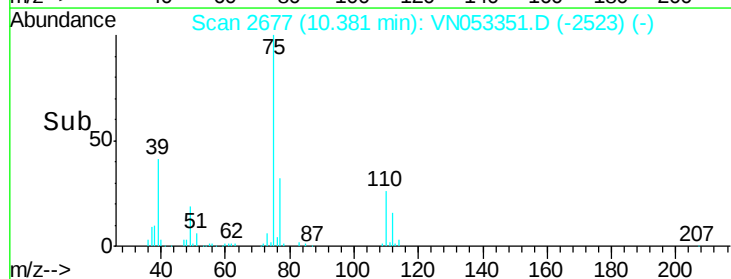
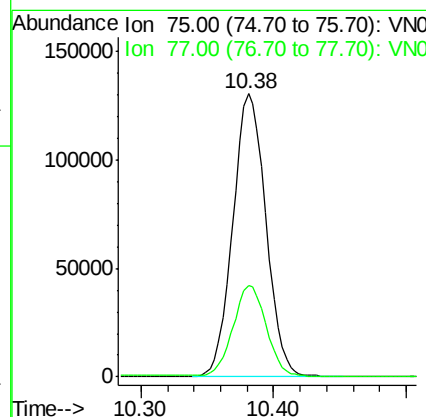
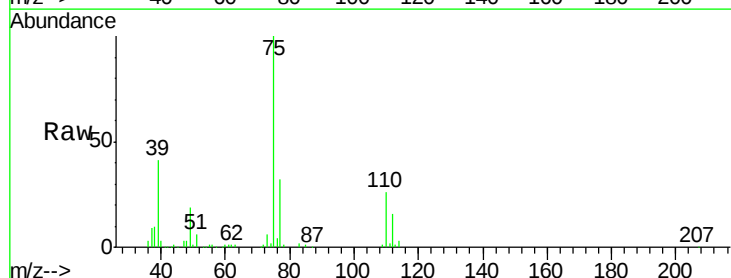
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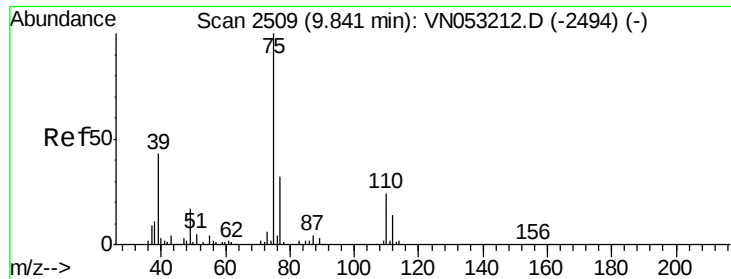
MMDadoda
1/11/2019 10:12:09 AM



#48
t-1,3-Dichloropropene
Concen: 18.701 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Tgt Ion: 75 Resp: 226234
Ion Ratio Lower Upper
75 100
77 32.3 25.6 38.4





#49

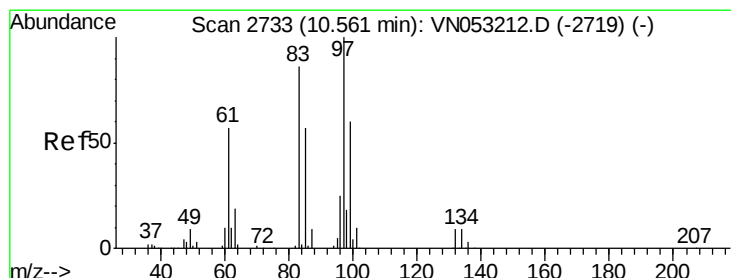
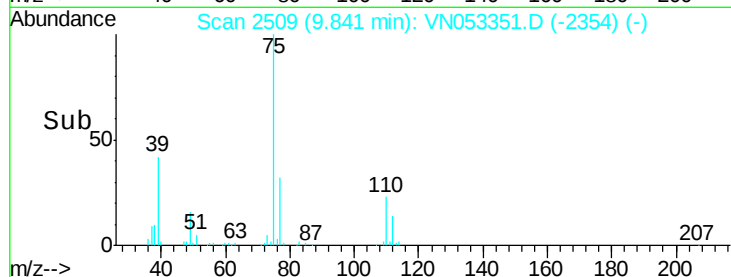
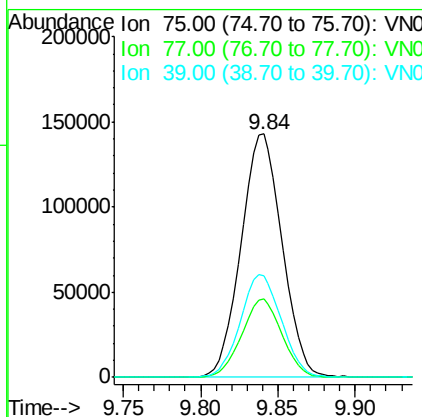
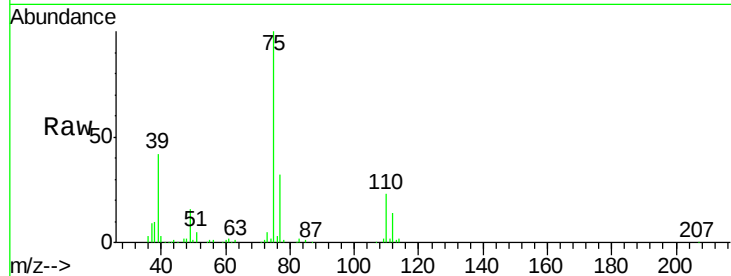
cis-1,3-Dichloropropene
 Concen: 18.531 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0
39	41.8	37.3	55.9

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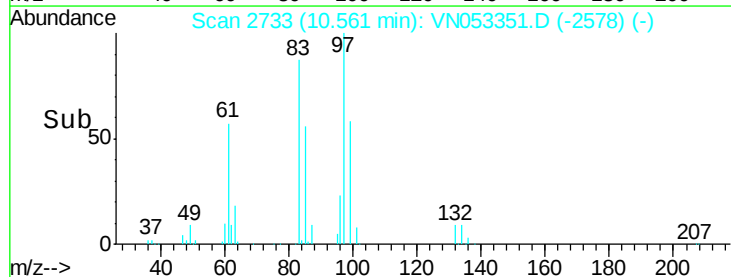
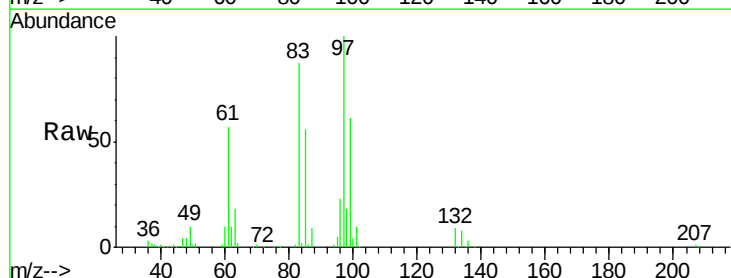
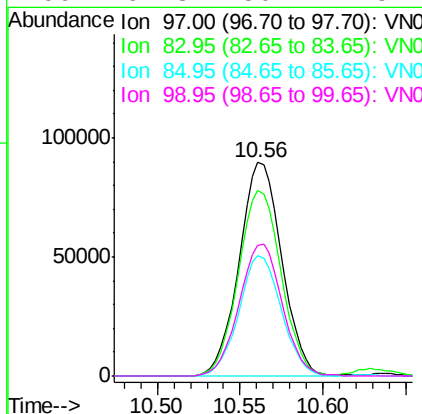
MMDadoda
 1/11/2019 10:12:09 AM

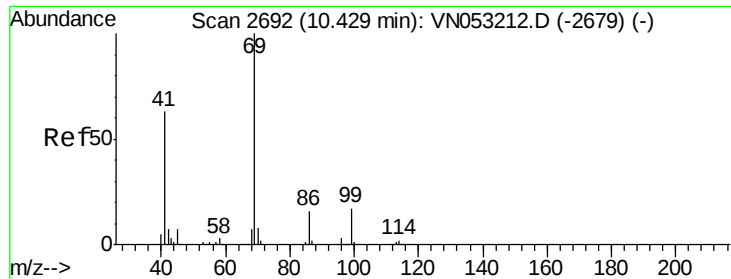


#50

1,1,2-Trichloroethane
 Concen: 20.292 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.1	70.4	105.6
85	56.3	45.0	67.6
99	61.3	50.2	75.2





#51

Ethyl methacrylate

Concen: 20.409 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

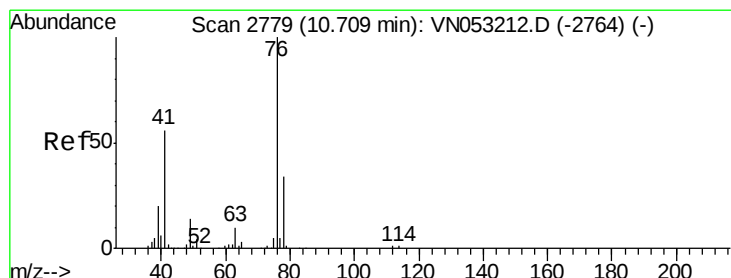
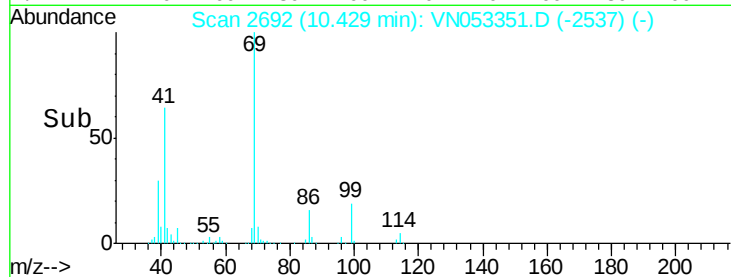
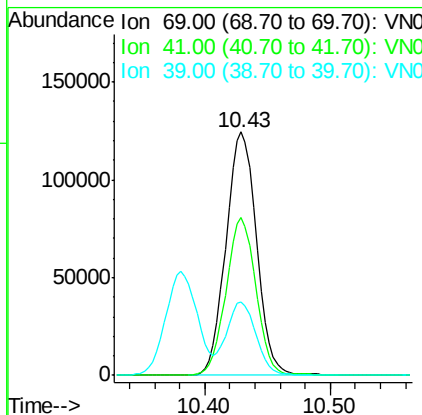
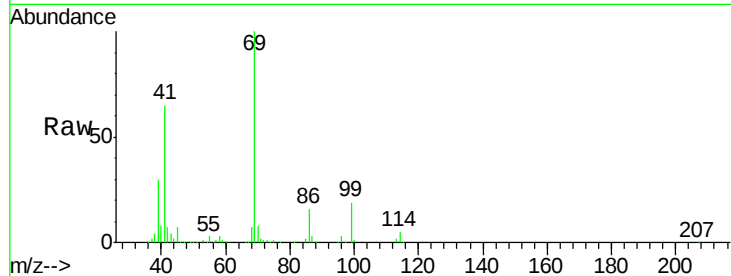
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	210497
Ion Ratio	Lower	Upper	
69	100		
41	64.4	34.4	103.3
39	30.0	16.4	49.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.076 ug/l

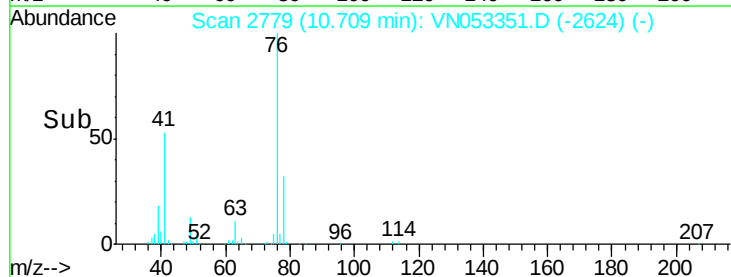
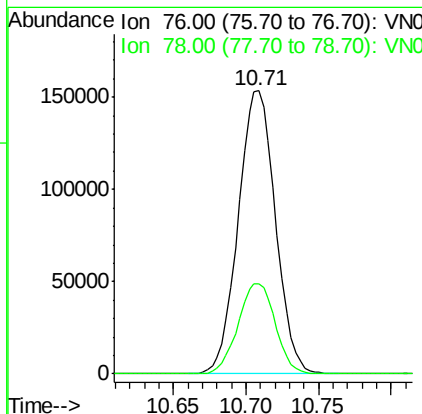
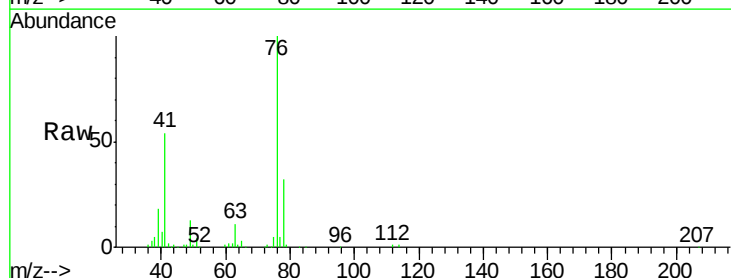
RT: 10.71 min Scan# 2779

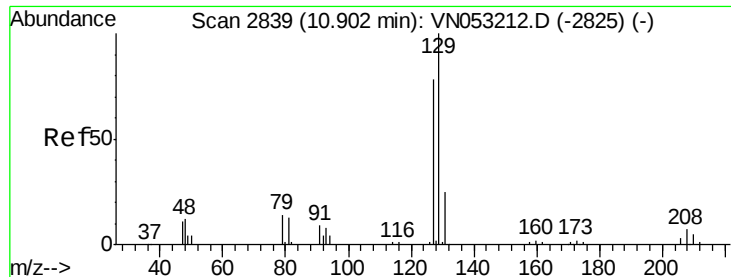
Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Tgt Ion:	76	Resp:	273683
Ion Ratio	Lower	Upper	
76	100		
78	32.0	0.0	64.8





#53

Dibromochloromethane

Concen: 18.689 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:129 Resp: 166113

Ion Ratio Lower Upper

129 100

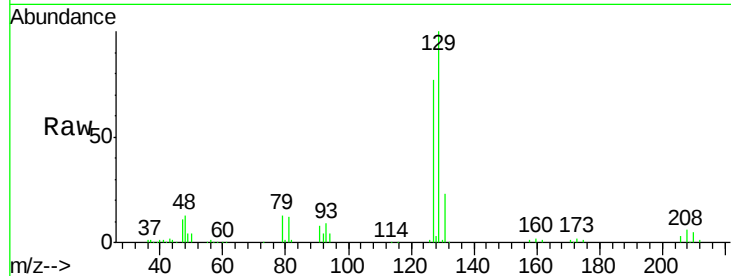
127 78.7 37.6 112.8

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

80000

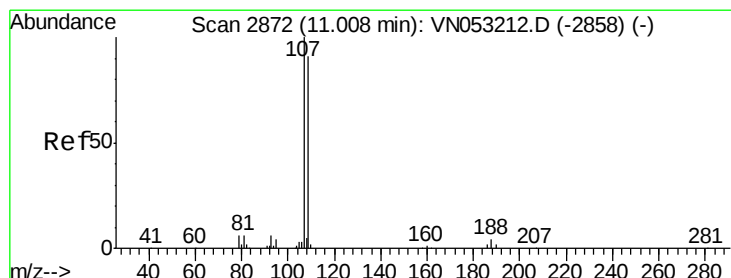
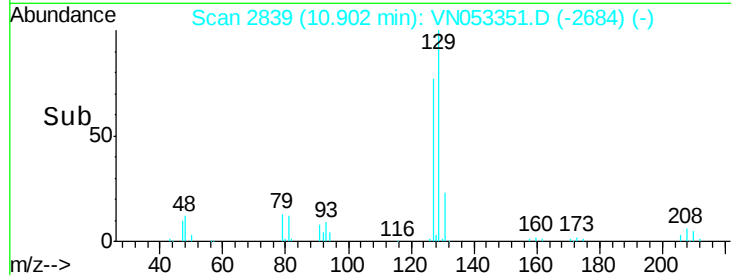
60000

40000

20000

0

Time-->



#54

1,2-Dibromoethane

Concen: 19.842 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN053351.D

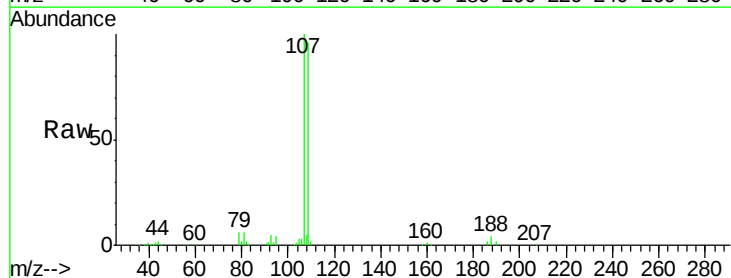
Acq: 10 Jan 2019 19:56

Tgt Ion:107 Resp: 158407

Ion Ratio Lower Upper

107 100

109 94.8 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.01

80000

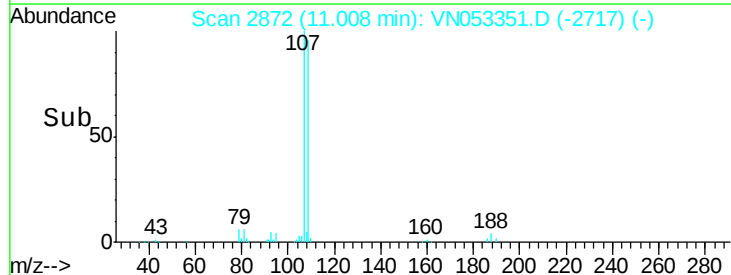
60000

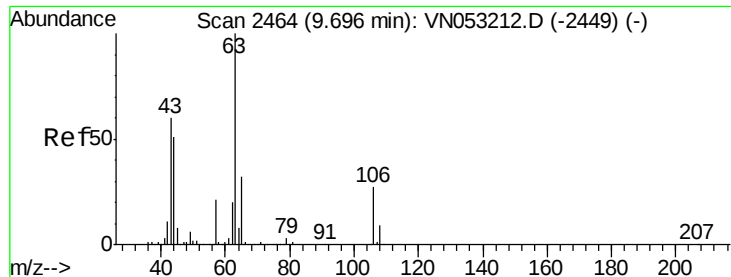
40000

20000

0

Time-->





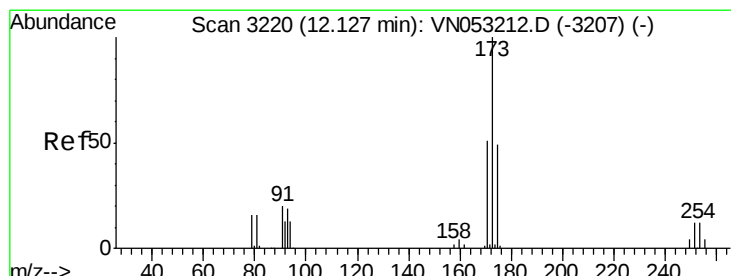
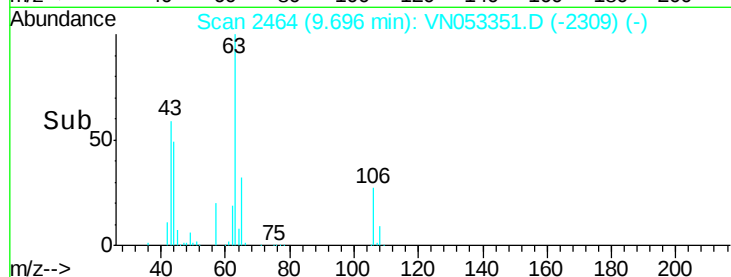
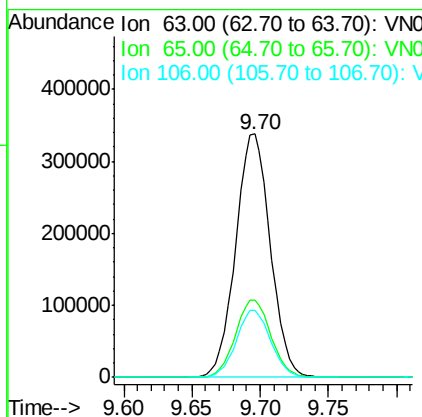
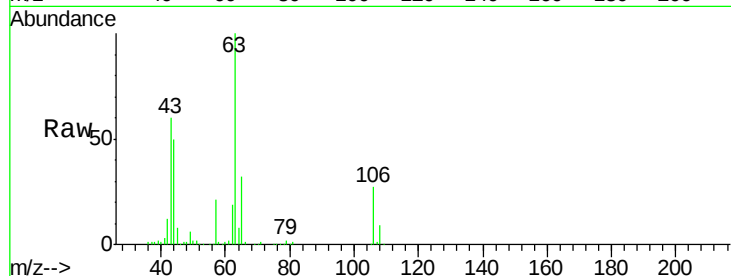
#55
2-Chloroethyl vinyl ether
Concen: 100.394 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.4	38.2
106	27.3	20.4	30.6

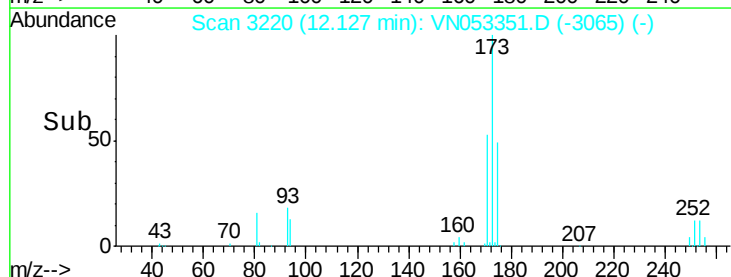
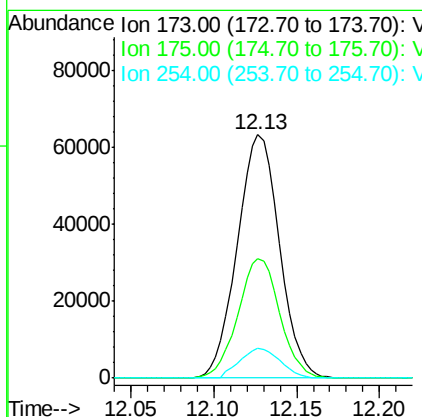
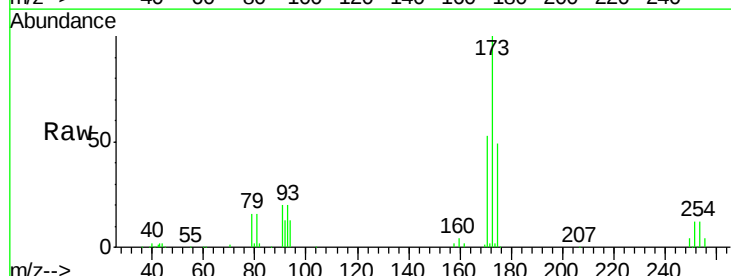
Manual Integrations
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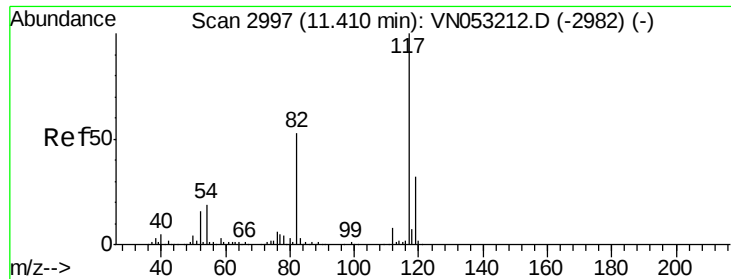
MMDadoda
1/11/2019 10:12:09 AM



#56
Bromoform
Concen: 18.472 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.7	58.1
254	11.7	8.4	12.6





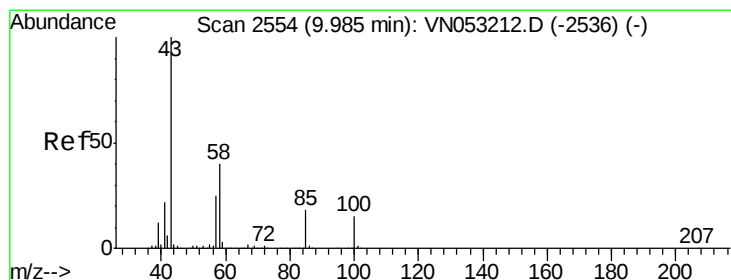
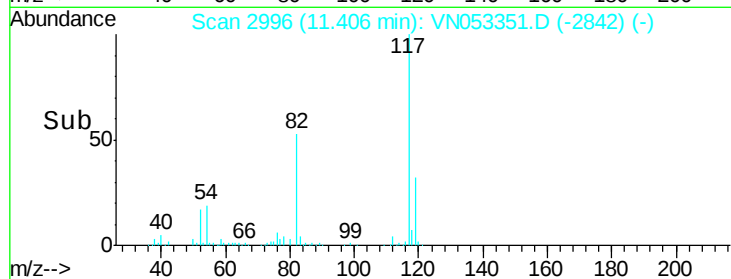
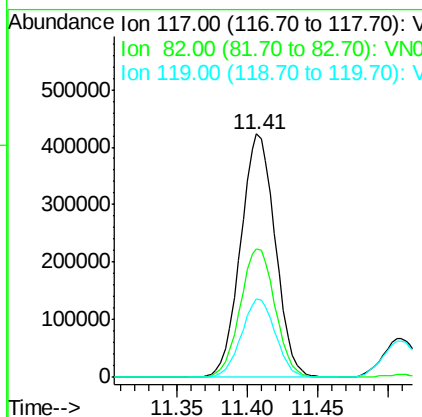
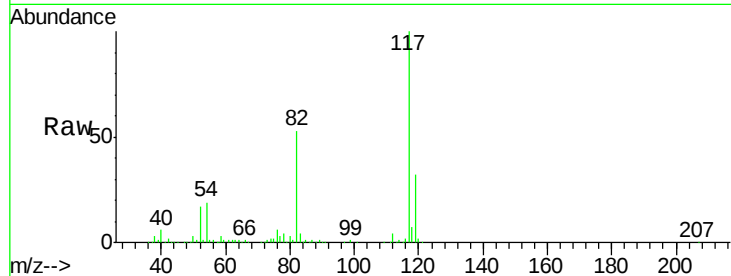
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	44.2	66.2
119	31.8	25.4	38.2

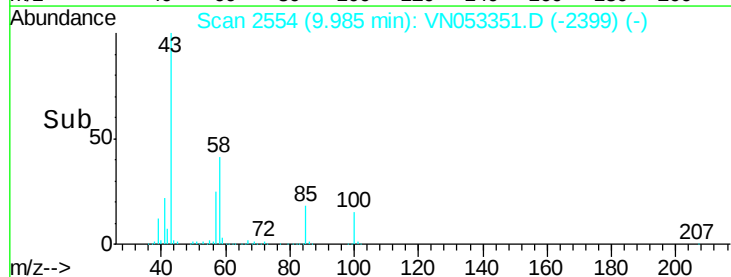
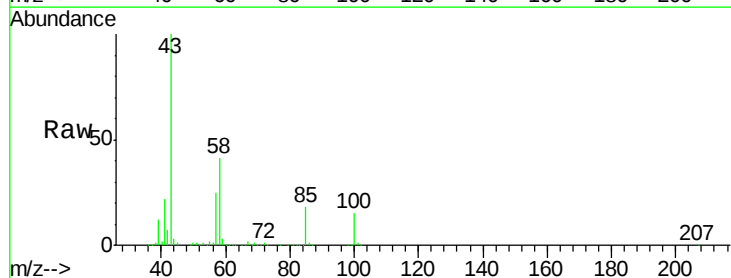
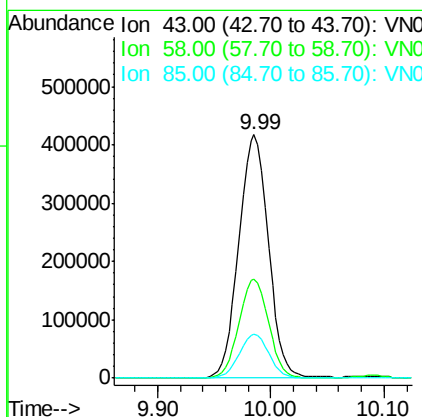
Manual Integrations
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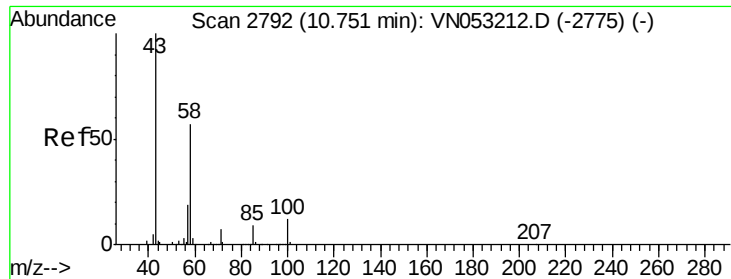
MMDadoda
1/11/2019 10:12:09 AM



#58
4-Methyl-2-Pentanone
Concen: 109.744 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.8	31.6	47.4
85	18.1	13.3	19.9





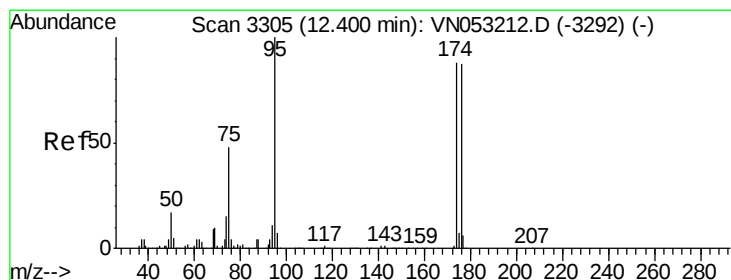
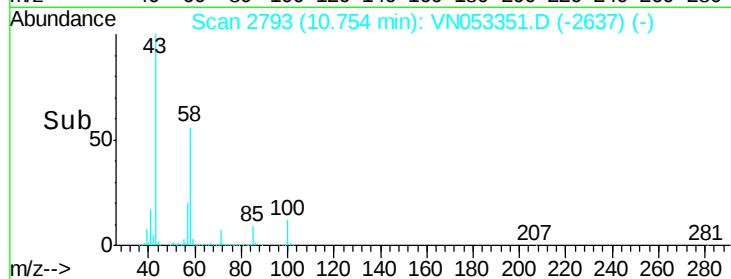
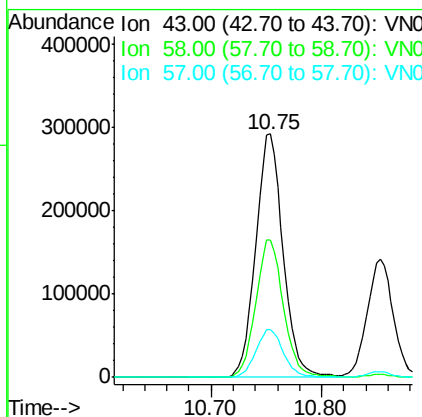
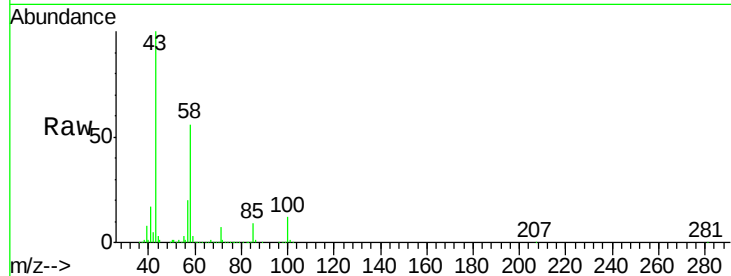
#59
2-Hexanone
Concen: 104.501 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.2	43.2	64.8
57	19.8	14.9	22.3

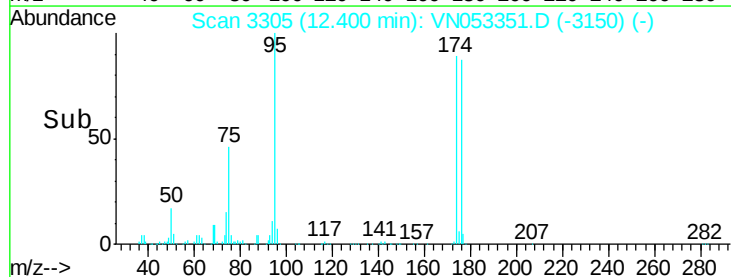
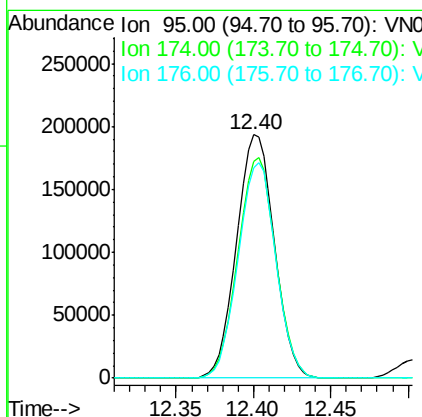
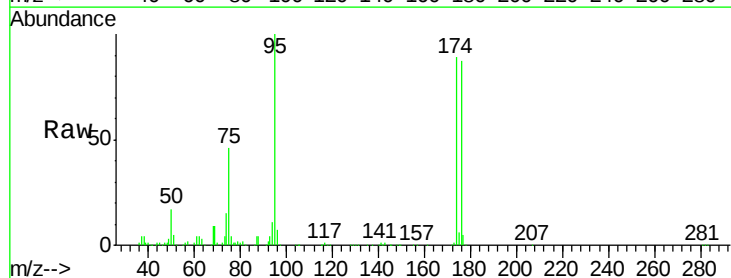
Manual Integrations
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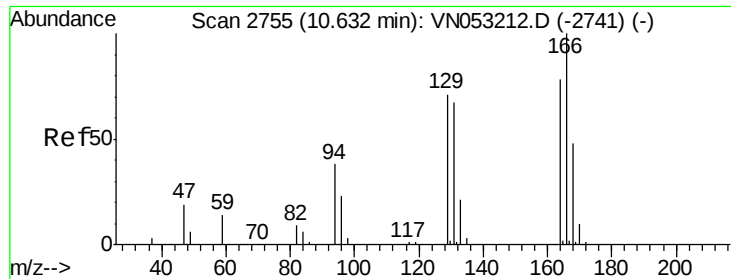
MMDadoda
1/11/2019 10:12:09 AM



#60
4-Bromofluorobenzene
Concen: 104.501 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.9	67.9	101.9
176	88.3	66.4	99.6





#61

Tetrachloroethene

Concen: 19.745 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 212558

Ion Ratio Lower Upper

164 100

166 128.0 104.6 157.0

129 90.4 75.3 112.9

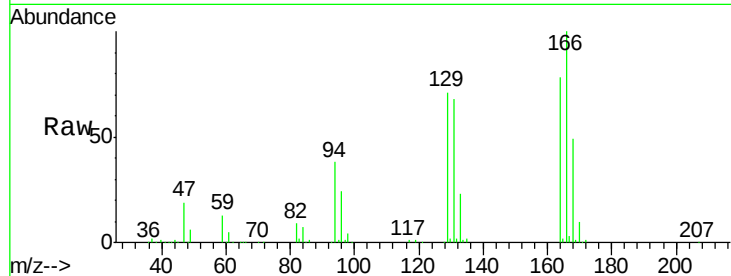
131 87.6 74.3 111.5

Manual Integrations

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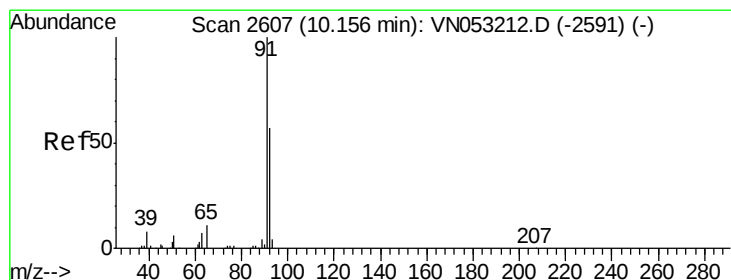
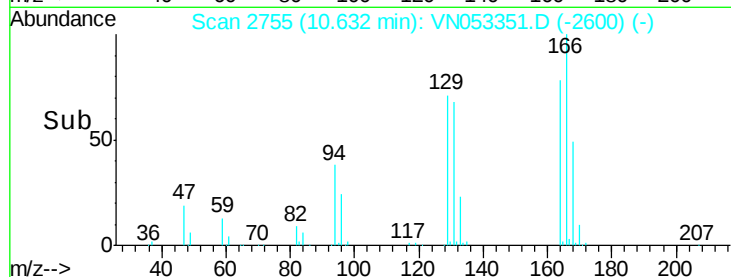
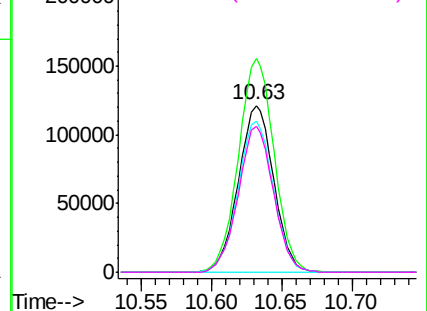


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.335 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053351.D

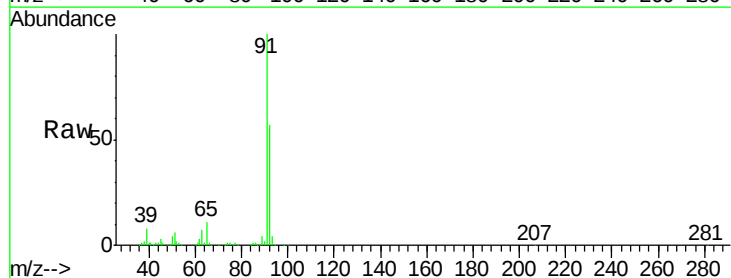
Acq: 10 Jan 2019 19:56

Tgt Ion: 91 Resp: 772448

Ion Ratio Lower Upper

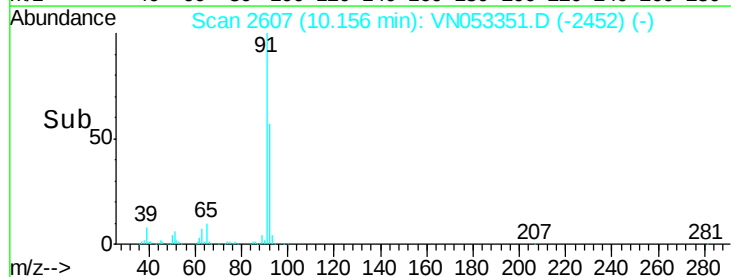
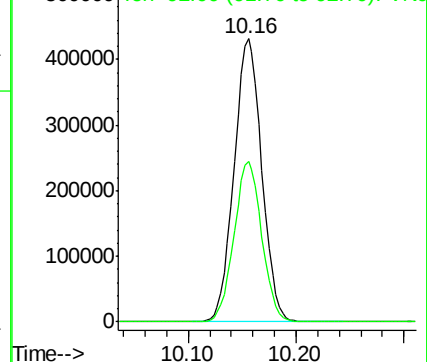
91 100

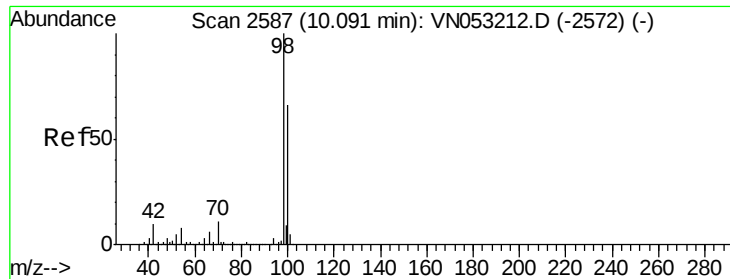
92 56.7 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





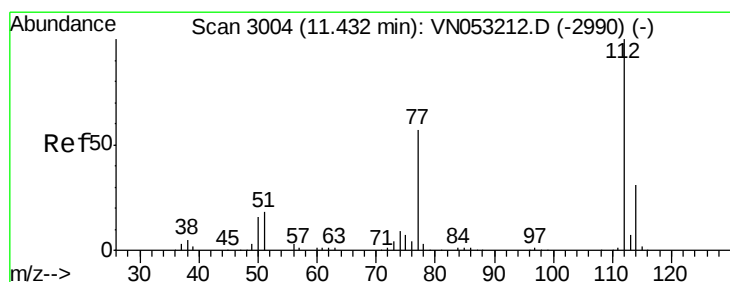
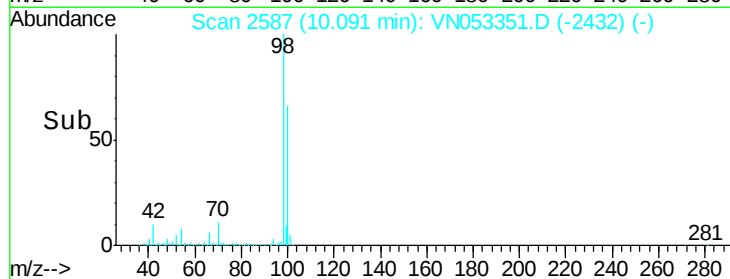
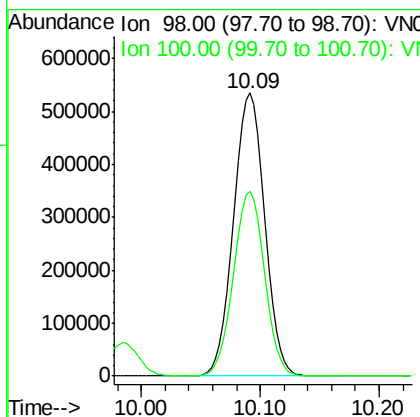
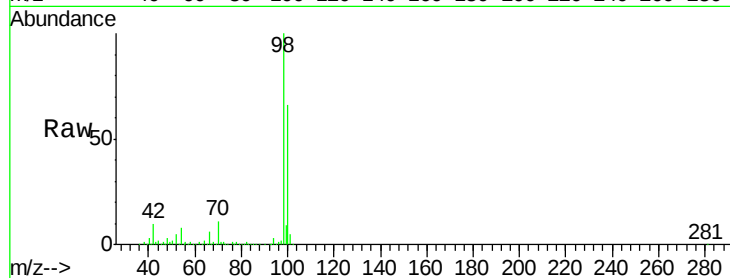
#63
Toluene-d8
Concen: 19.335 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 974367
Ion Ratio Lower Upper
98 100
100 65.0 51.1 76.7

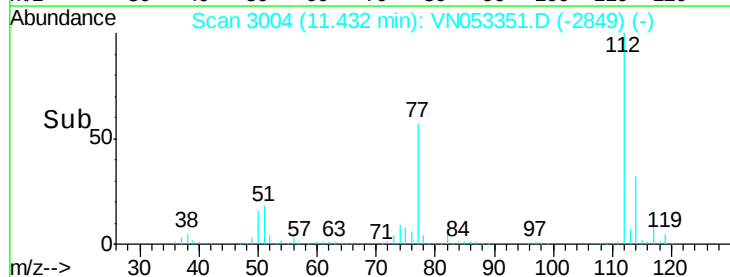
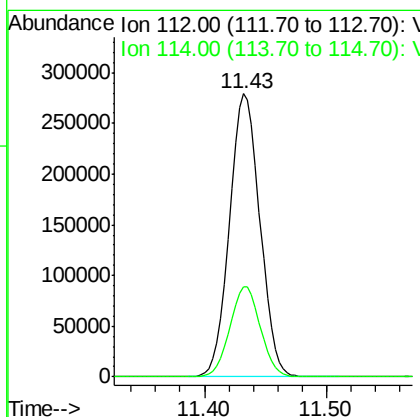
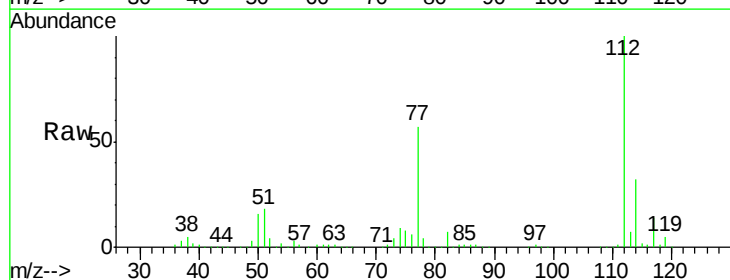
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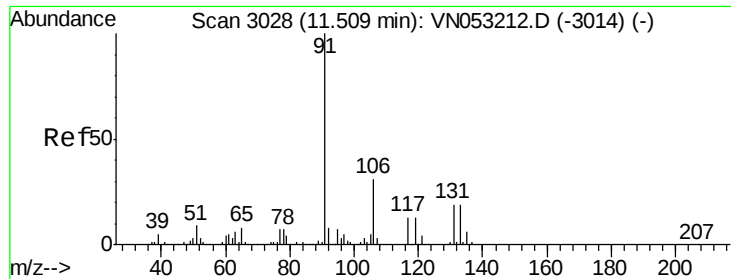
MMDadoda
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#64
Chlorobenzene
Concen: 19.312 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Tgt Ion: 112 Resp: 484148
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.346 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:131 Resp: 170128

Ion Ratio Lower Upper

131 100

133 94.6 0.0 193.4

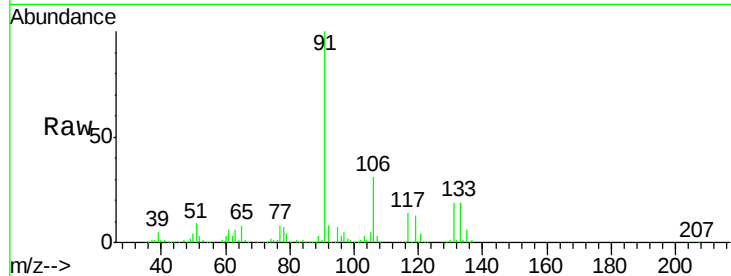
119 65.3 0.0 133.0

Manual Integrations

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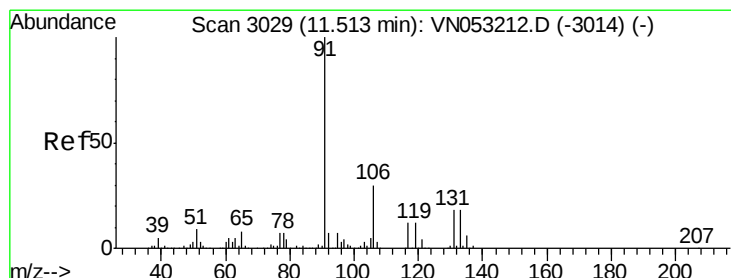
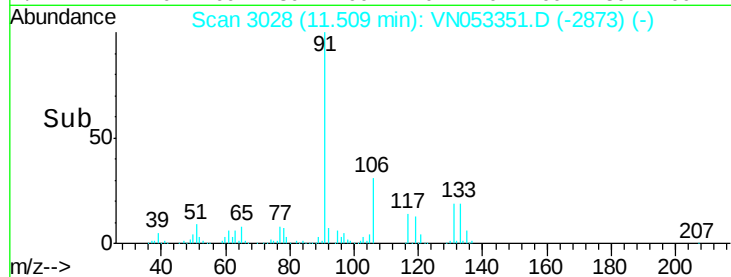
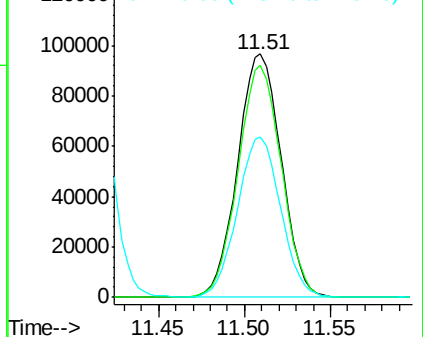
1/11/2019 10:12:09 AM



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.032 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN053351.D

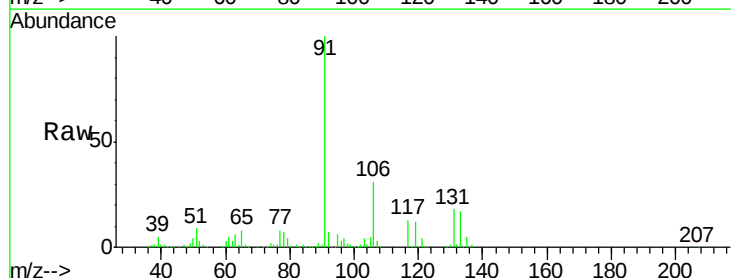
Acq: 10 Jan 2019 19:56

Tgt Ion: 91 Resp: 824517

Ion Ratio Lower Upper

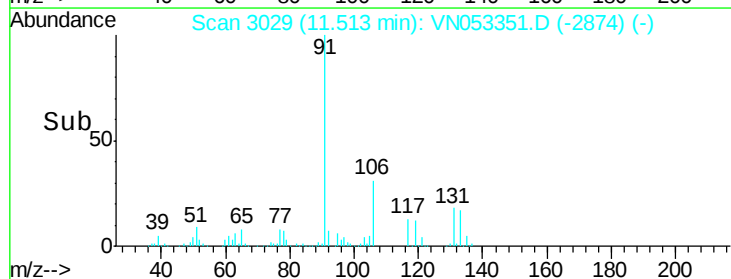
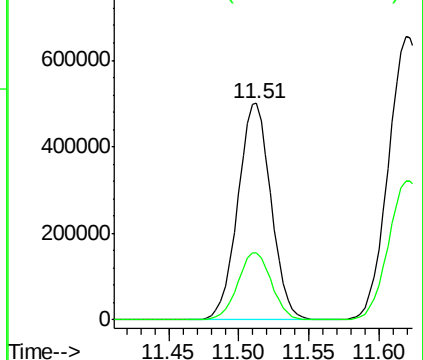
91 100

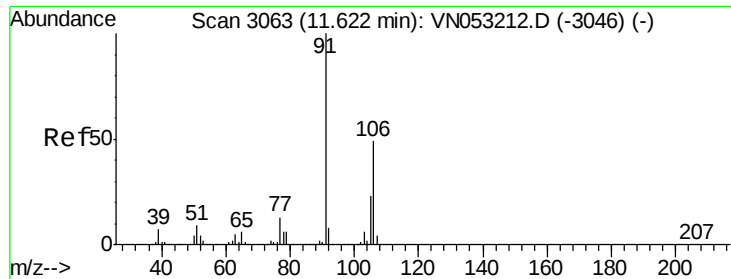
106 31.1 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 38.580 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:106 Resp: 632136

Ion Ratio Lower Upper

106 100

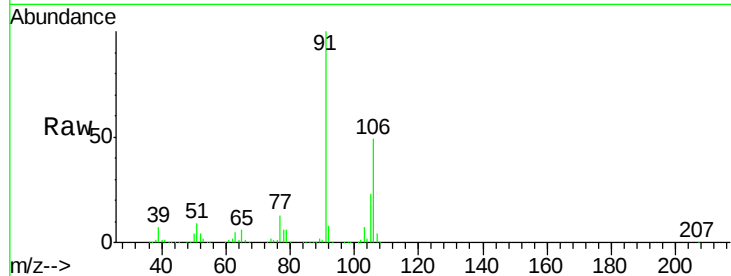
91 202.3 163.9 245.9

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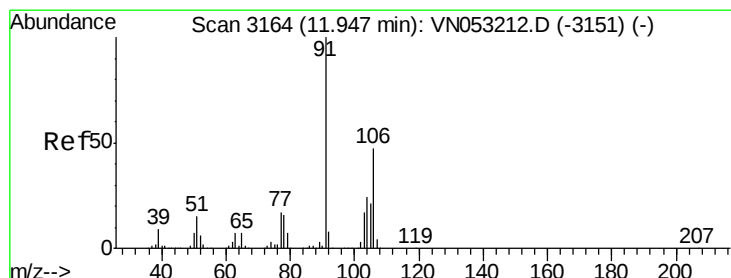
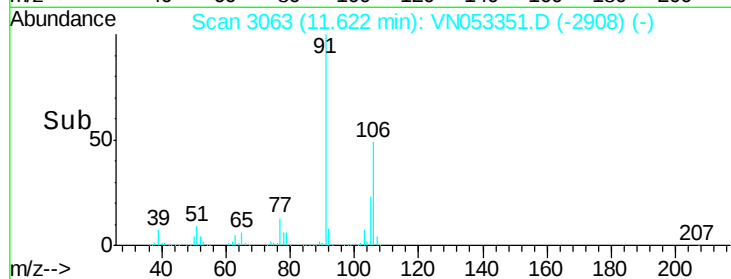
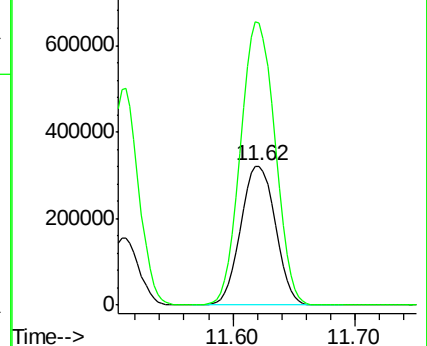
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 19.503 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN053351.D

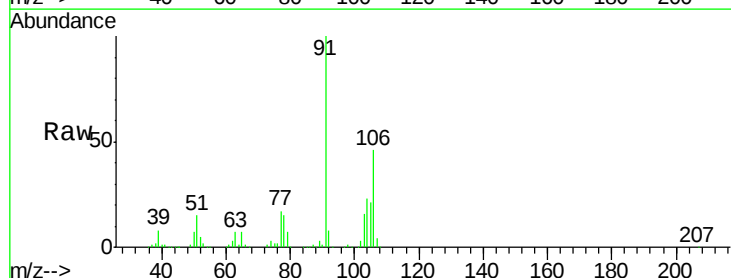
Acq: 10 Jan 2019 19:56

Tgt Ion:106 Resp: 309670

Ion Ratio Lower Upper

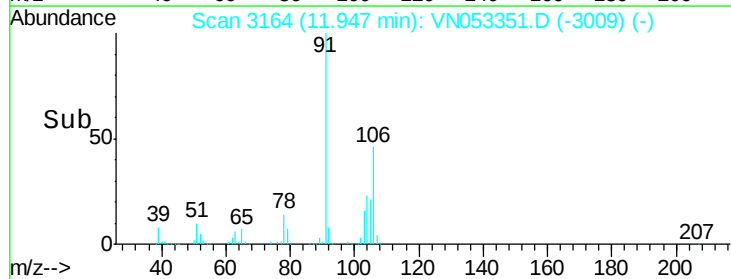
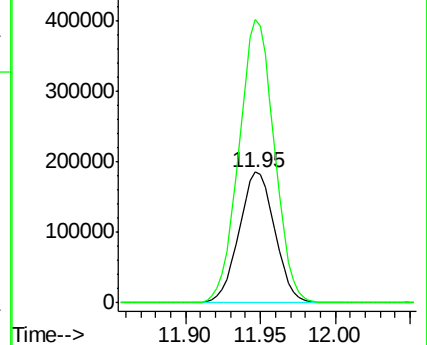
106 100

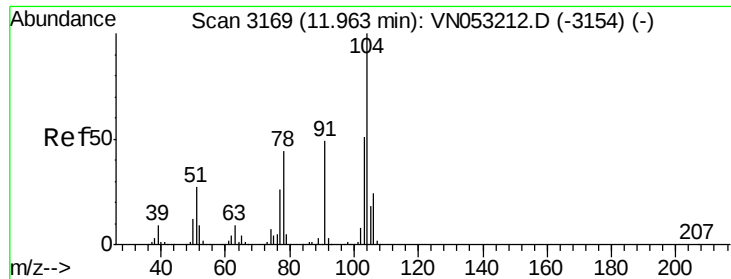
91 213.6 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





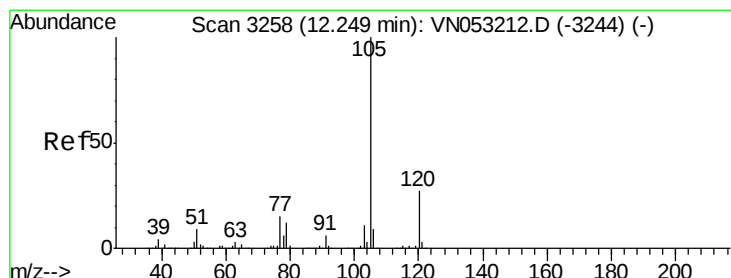
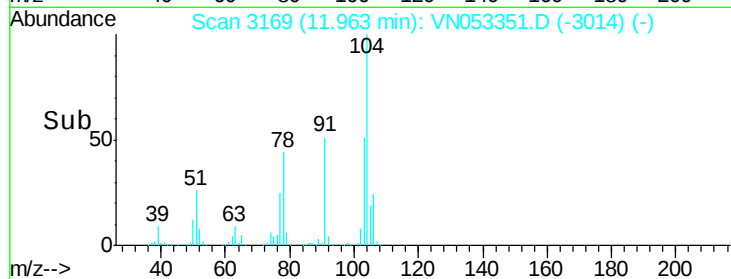
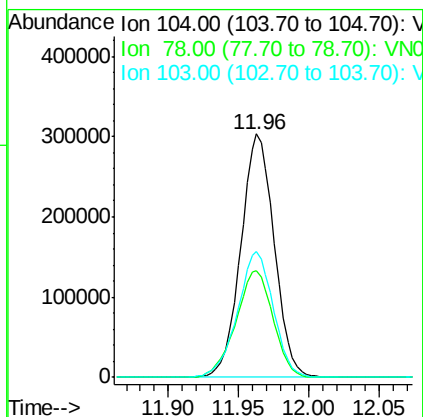
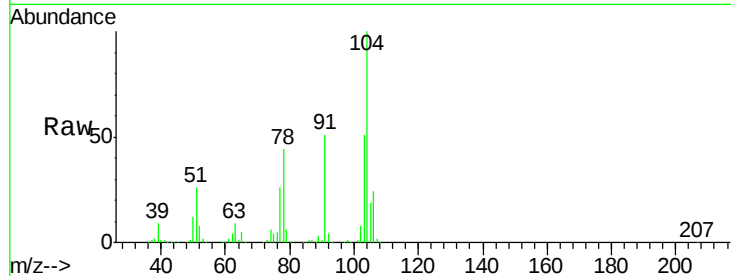
#69
Stvrene
Concen: 19.408 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
104	100	502986		
78	48.6		39.3	58.9
103	55.3		44.6	66.8

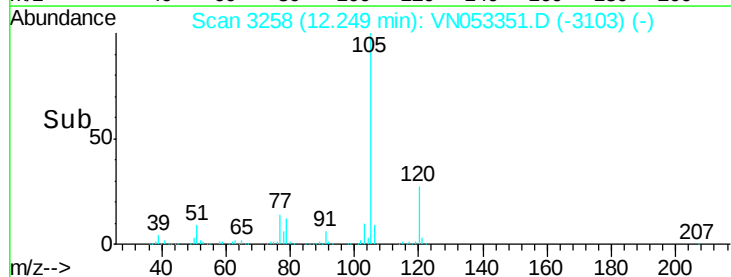
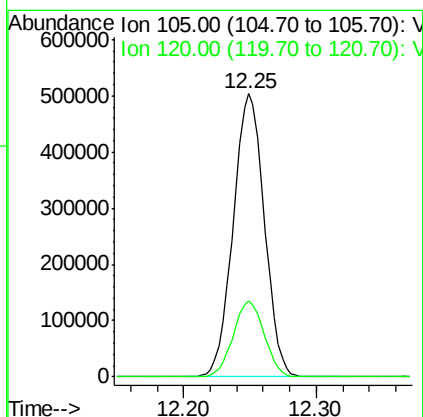
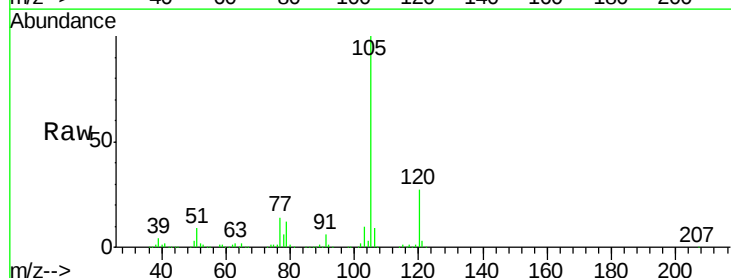
Manual Integrations
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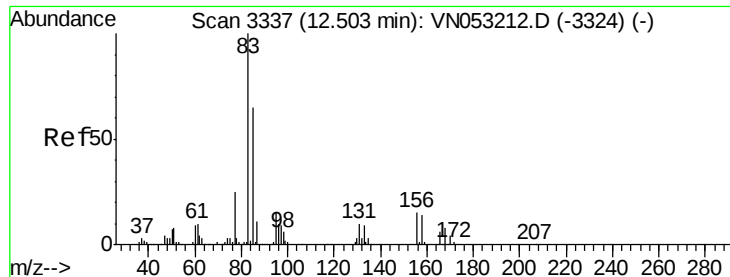
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#70
Isopropylbenzene
Concen: 19.598 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	818700		
120	26.7		18.6	34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 20.732 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

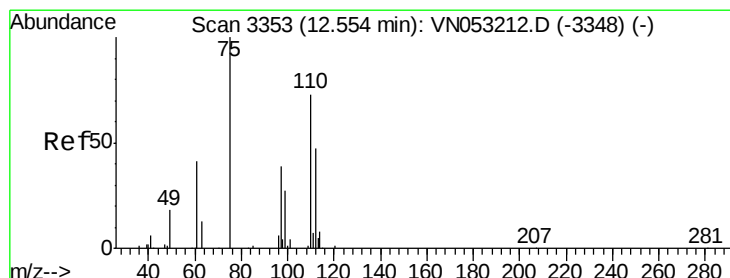
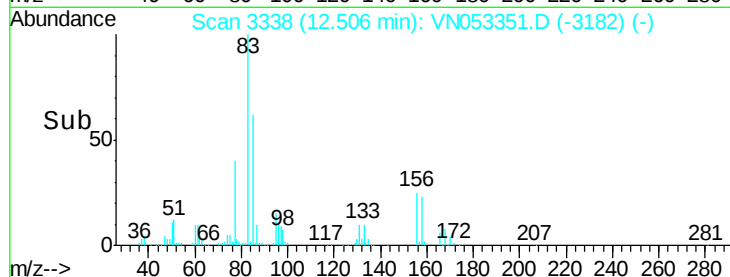
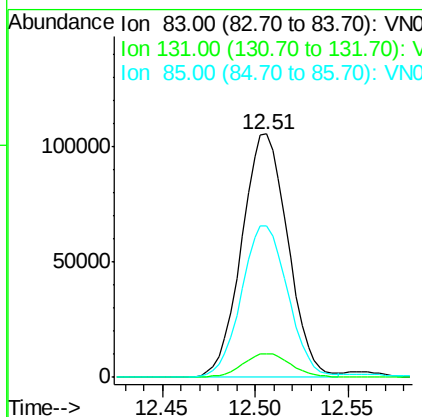
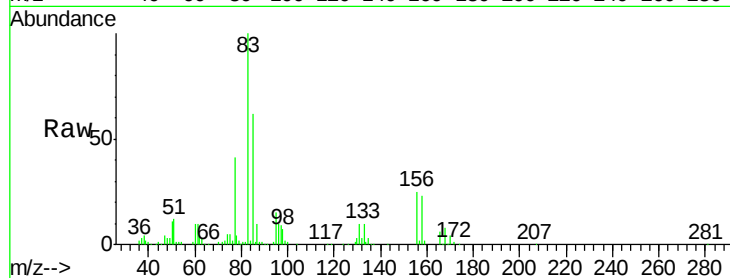
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	182319
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.6
85	62.4	32.2	96.6

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#72

1,2,3-Trichloropropane

Concen: 20.683 ug/l m

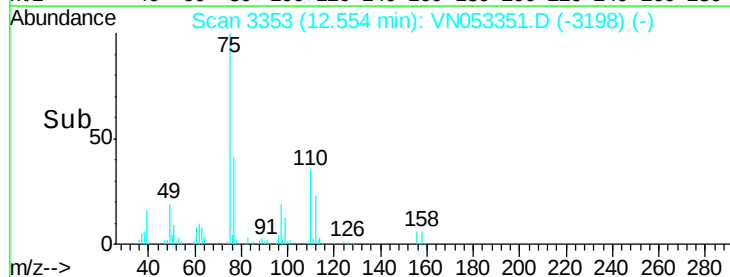
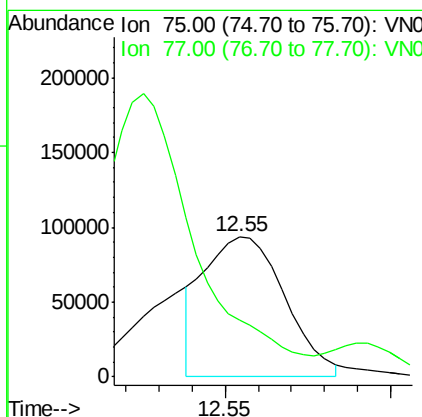
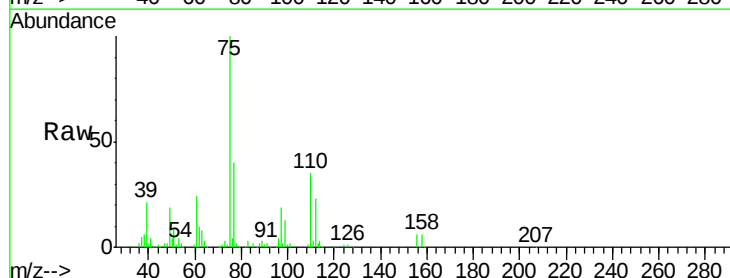
RT: 12.55 min Scan# 3353

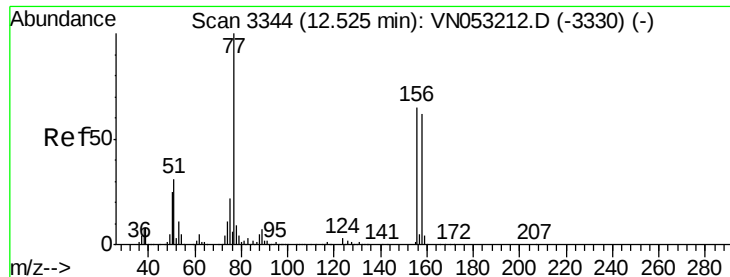
Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Tgt Ion:	75	Resp:	159280
Ion Ratio	Lower	Upper	
75	100		
77	236.1	0.0	514.8





#73

Bromobenzene

Concen: 19.442 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

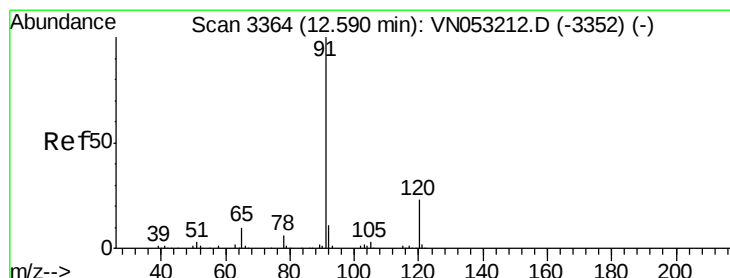
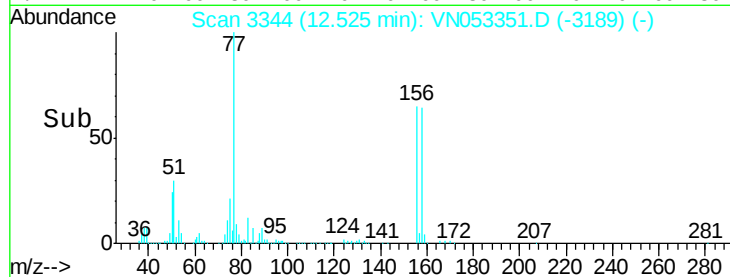
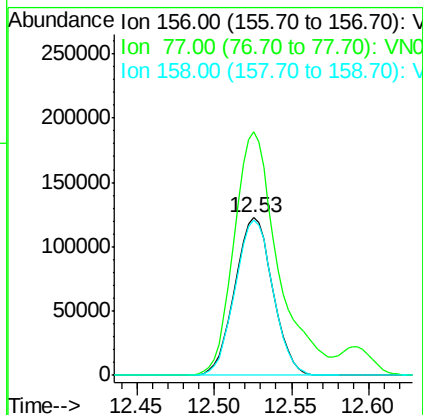
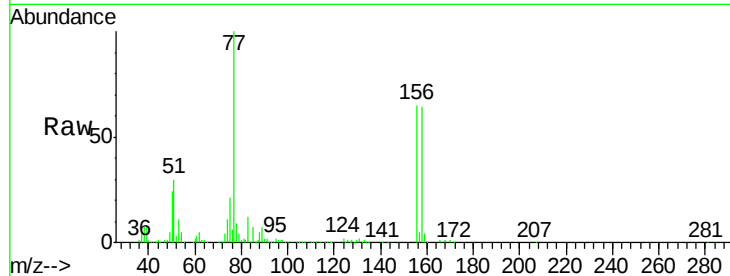
ClientSampled :

VSTDCCC020EC

Tot Ion:	156	Resp:	208777
Ion Ratio	Lower	Upper	
156	100		
77	180.1	0.0	382.6
158	98.0	0.0	196.8

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#74

n-propylbenzene

Concen: 19.757 ug/l

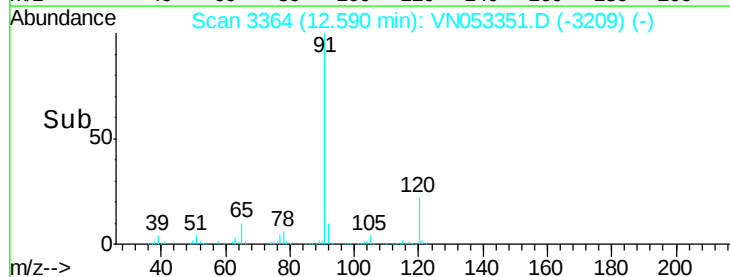
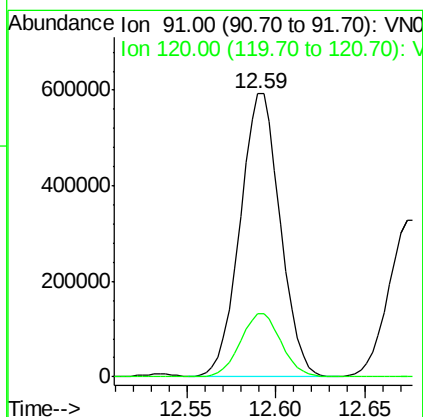
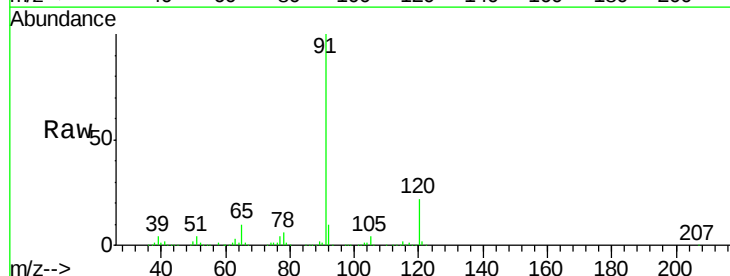
RT: 12.59 min Scan# 3364

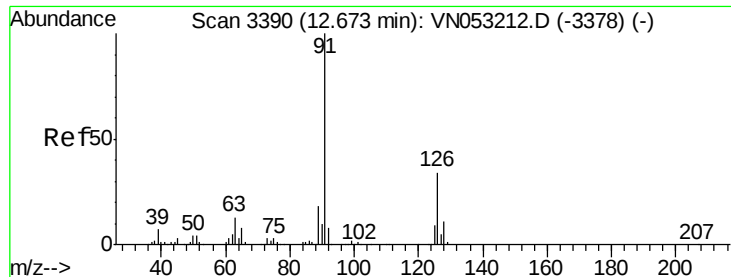
Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Tgt Ion:	91	Resp:	934301
Ion Ratio	Lower	Upper	
91	100		
120	22.7	0.0	44.6





#75

2-Chlorotoluene

Concen: 19.416 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 543783

Ion Ratio Lower Upper

91 100

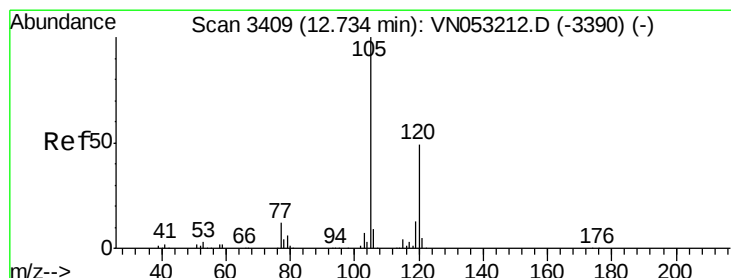
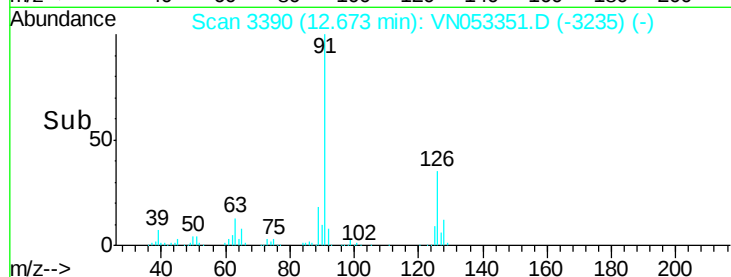
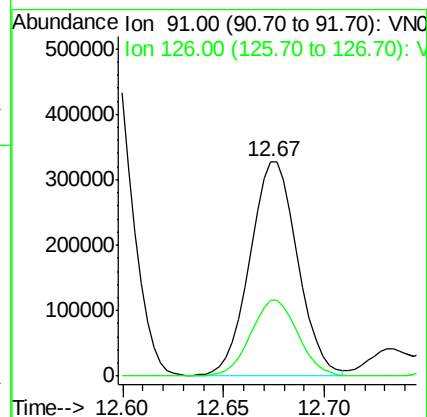
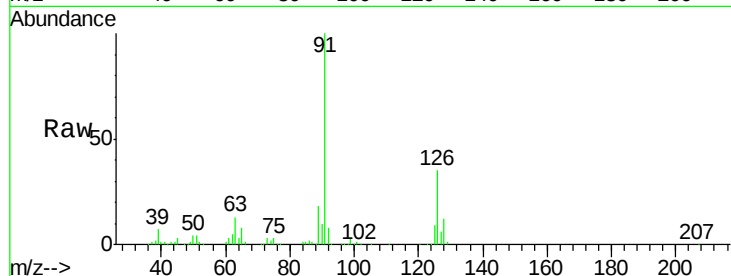
126 35.1 0.0 68.4

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 19.989 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN053351.D

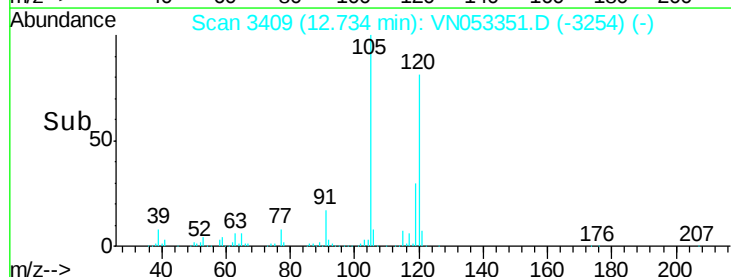
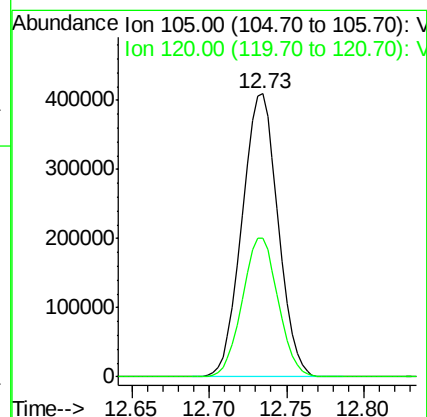
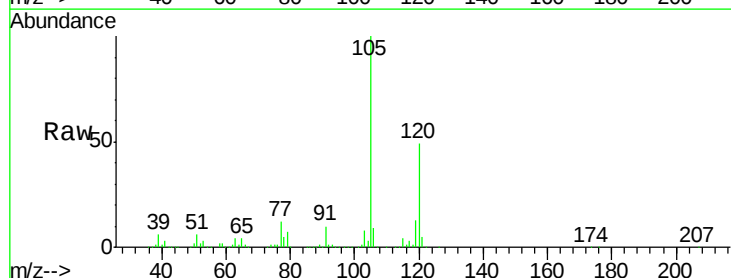
Acq: 10 Jan 2019 19:56

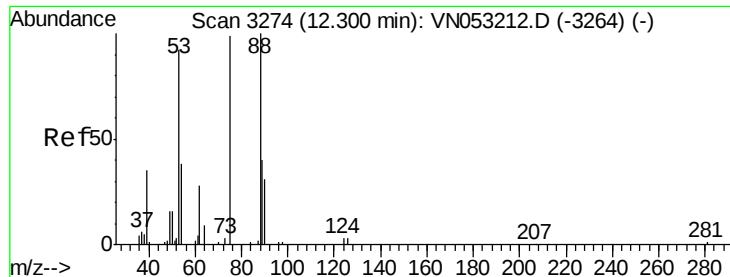
Tgt Ion: 105 Resp: 662401

Ion Ratio Lower Upper

105 100

120 48.9 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 18.221 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

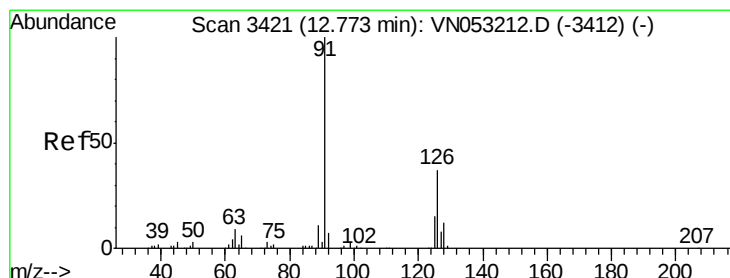
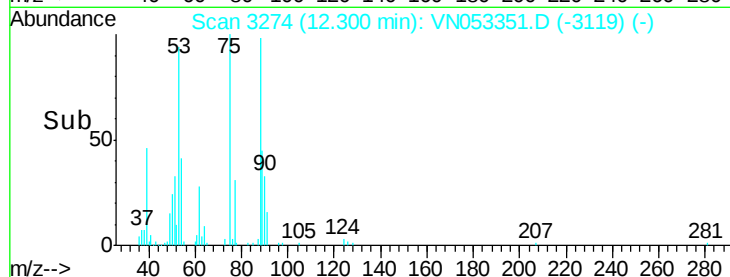
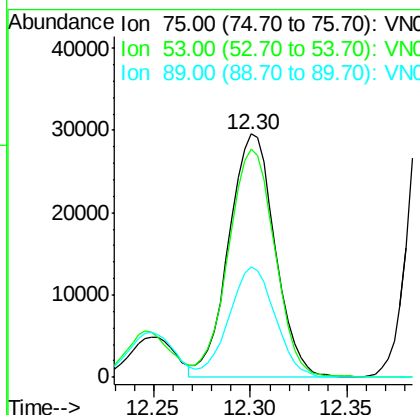
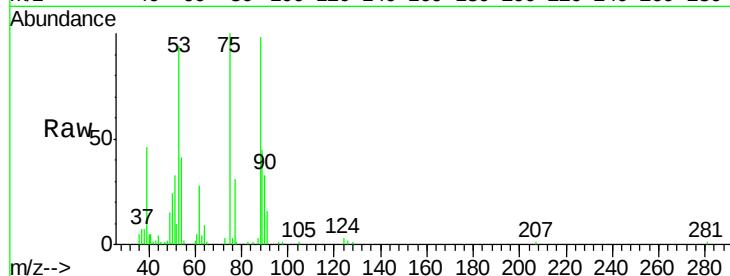
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	49304
Ion	Ratio	Lower	Upper
75	100		
53	93.2	48.5	145.6
89	45.2	21.7	65.1

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#78

4-Chlorotoluene

Concen: 19.224 ug/l

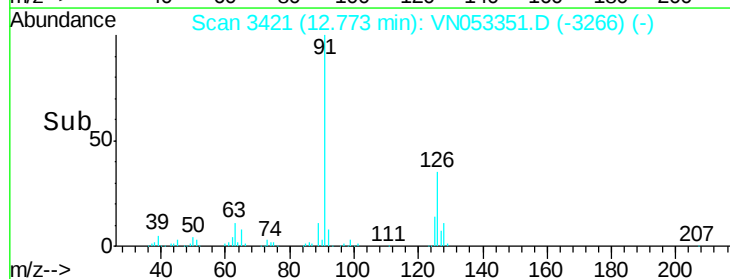
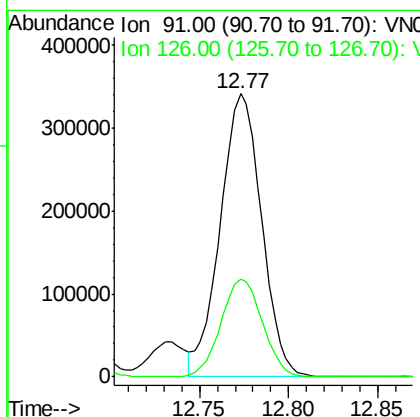
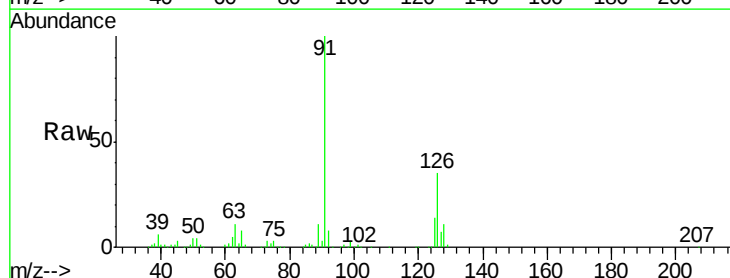
RT: 12.77 min Scan# 3421

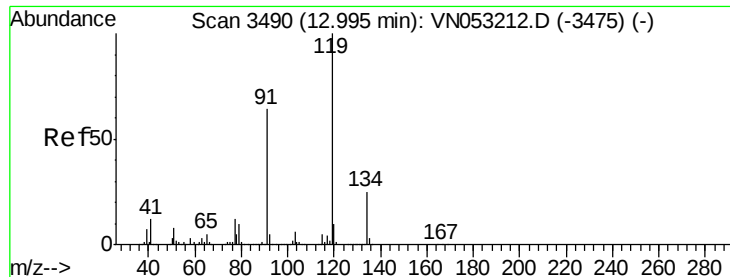
Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Tgt Ion:	91	Resp:	548052
Ion	Ratio	Lower	Upper
91	100		
126	34.8	0.0	68.2





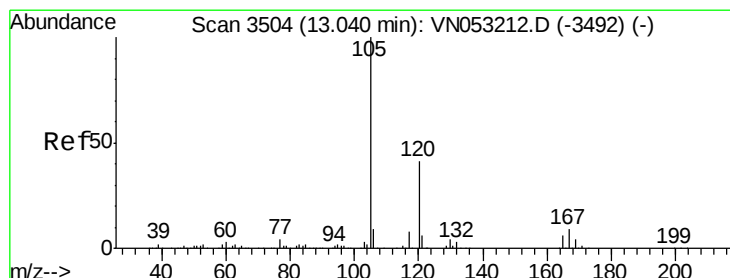
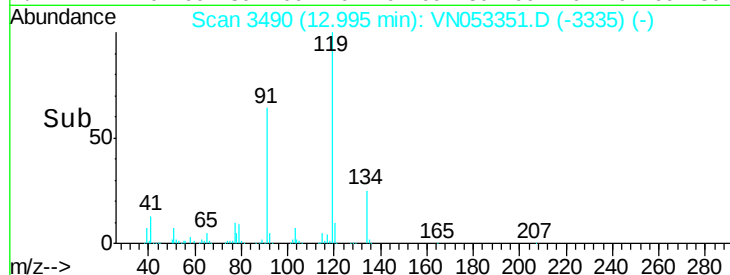
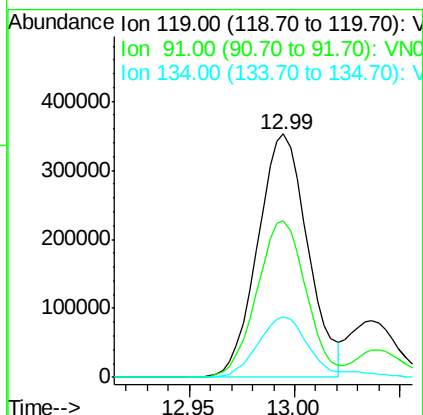
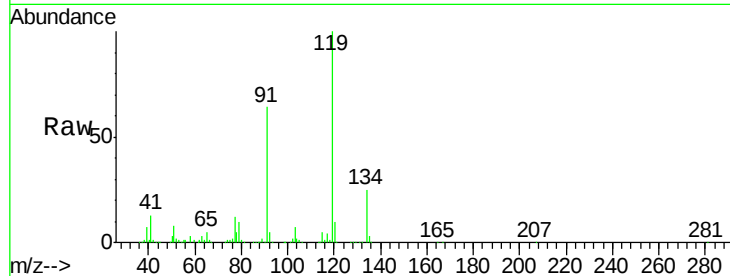
#79
tert-butylbenzene
Concen: 20.199 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	583786		
91	63.0		0.0	129.8
134	24.6		0.0	52.2

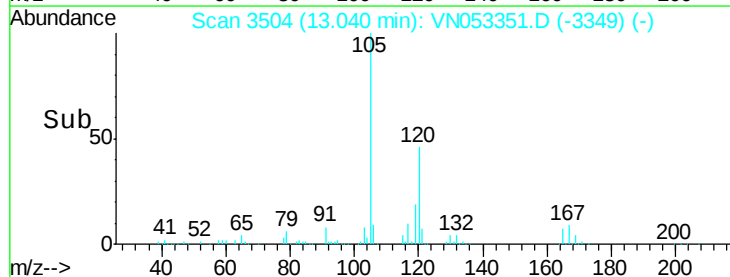
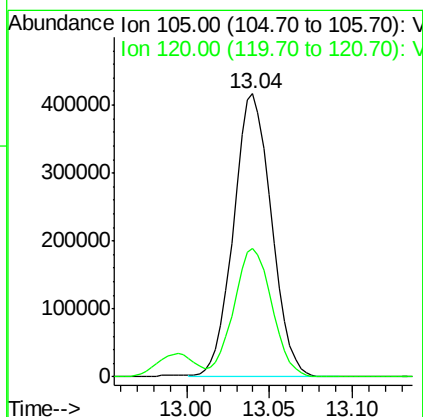
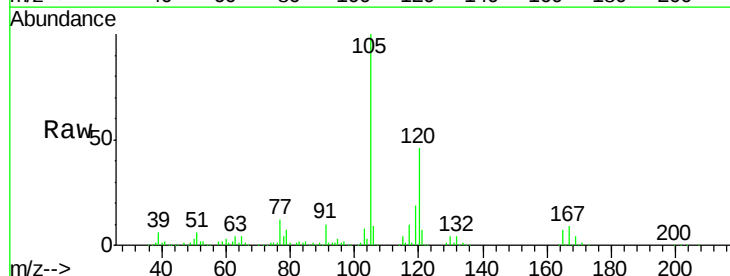
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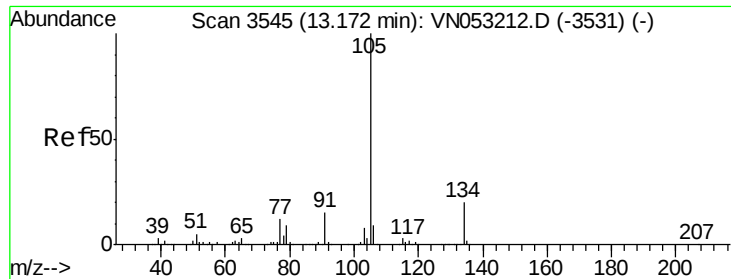
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.968 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	663221		
120	45.7		0.0	91.0





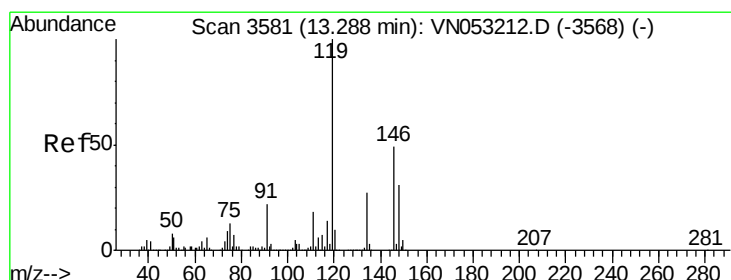
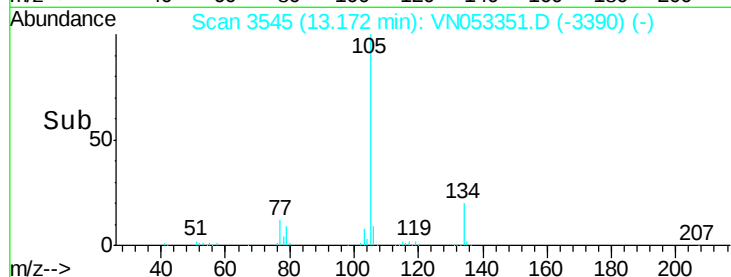
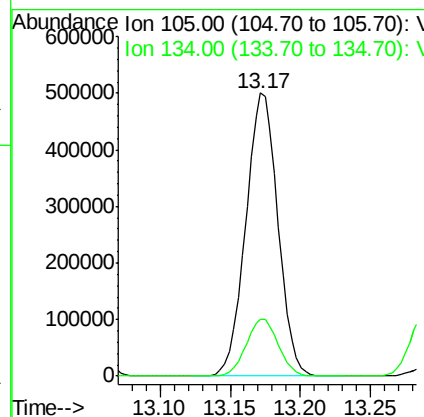
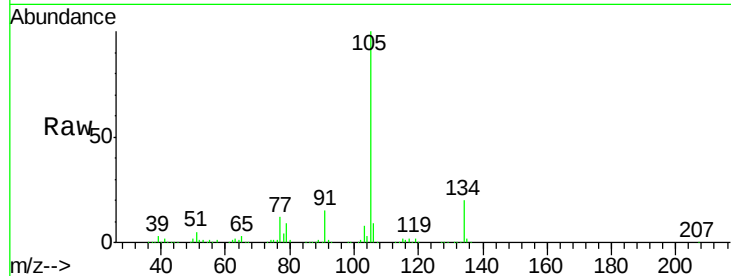
#81
 sec-Butylbenzene
 Concen: 20.803 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	0.0	40.4

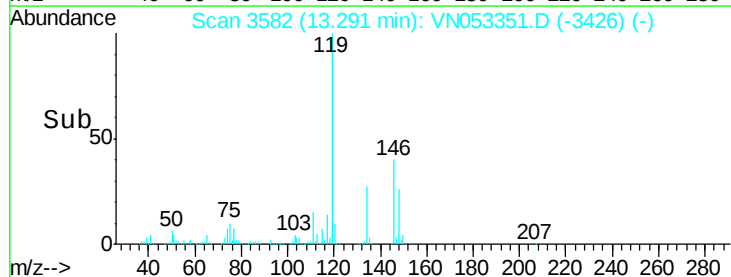
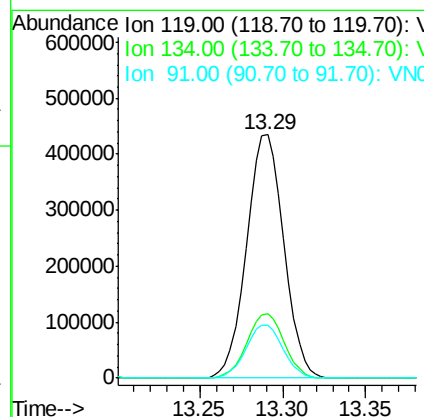
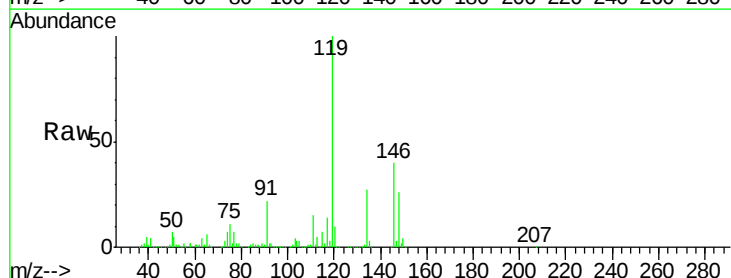
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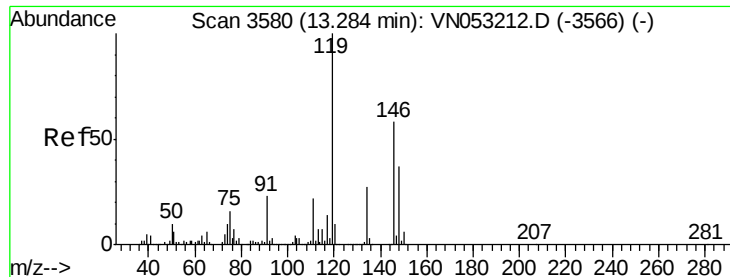
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#82
 p-Isopropyltoluene
 Concen: 20.485 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	0.0	52.6
91	21.9	0.0	46.2





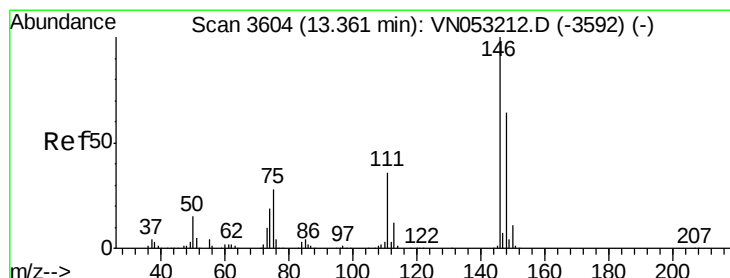
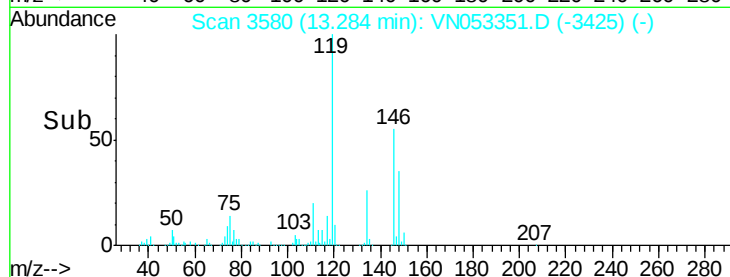
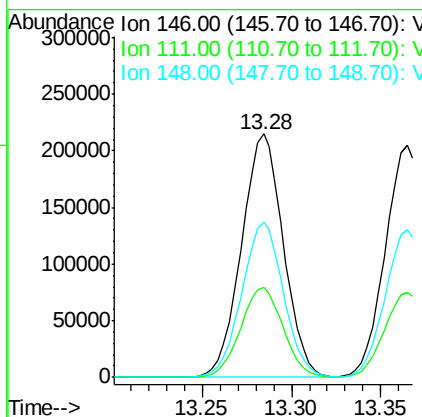
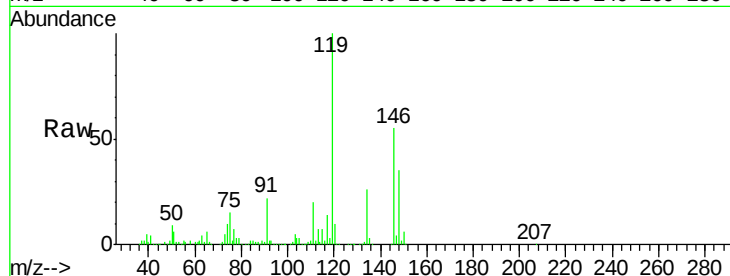
#83
1,3-Dichlorobenzene
Concen: 19.262 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.7	59.0
148	63.5	32.3	96.8

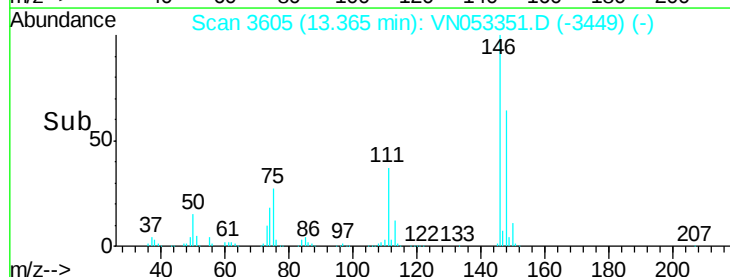
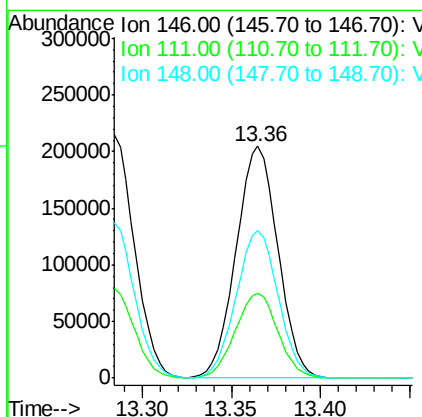
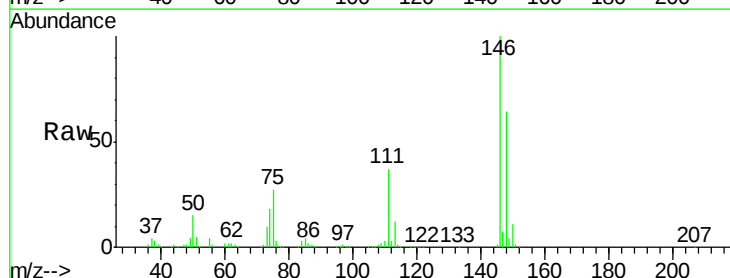
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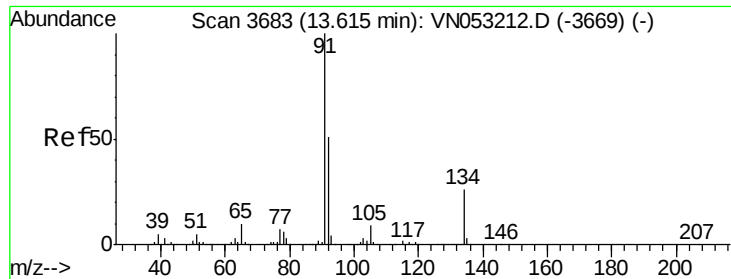
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#84
1,4-Dichlorobenzene
Concen: 18.846 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. 0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.8	56.3
148	64.1	32.5	97.4





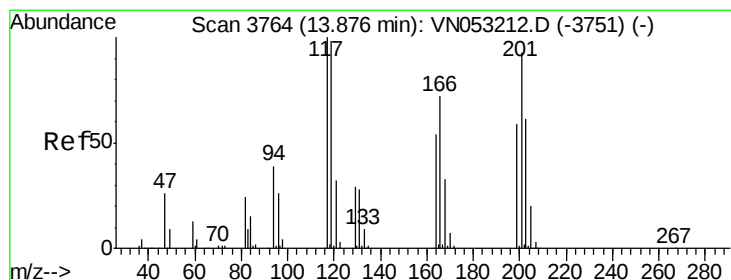
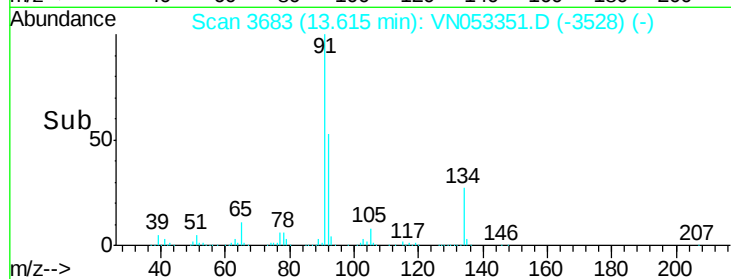
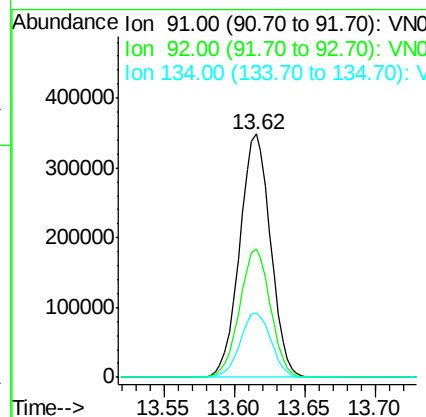
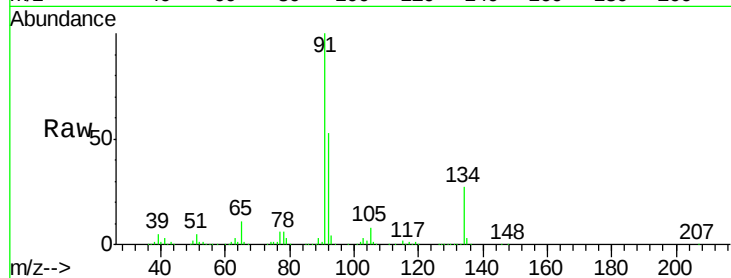
#85
n-Butylbenzene
Concen: 19.893 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	0.0	104.2
134	26.7	0.0	50.6

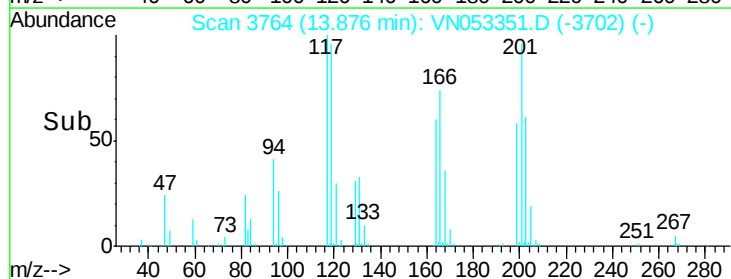
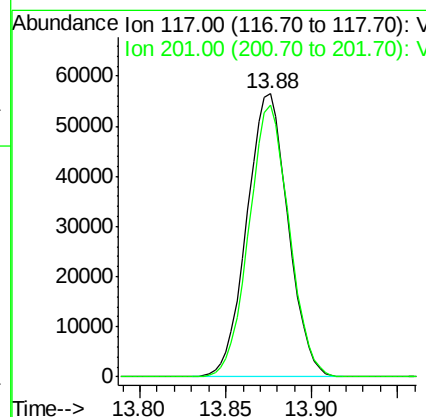
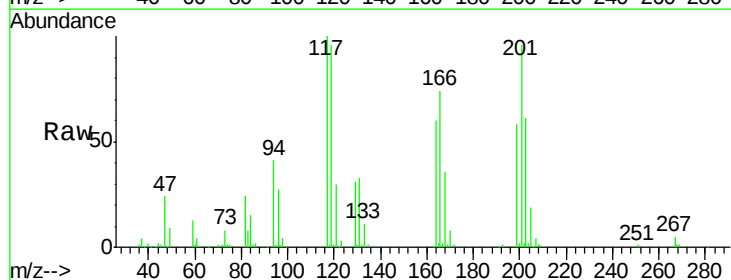
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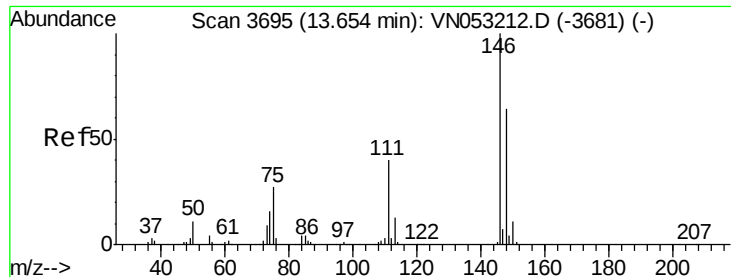
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#86
Hexachloroethane
Concen: 17.793 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.6	43.8	131.3





#87

1,2-Dichlorobenzene

Concen: 18.771 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

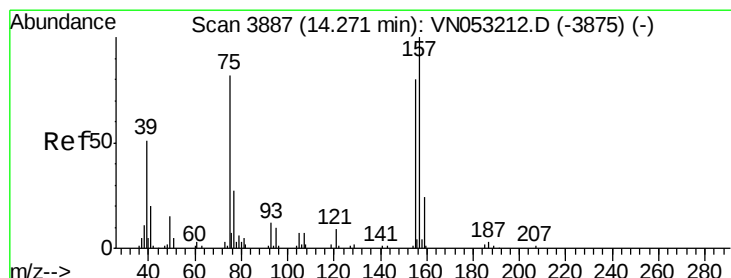
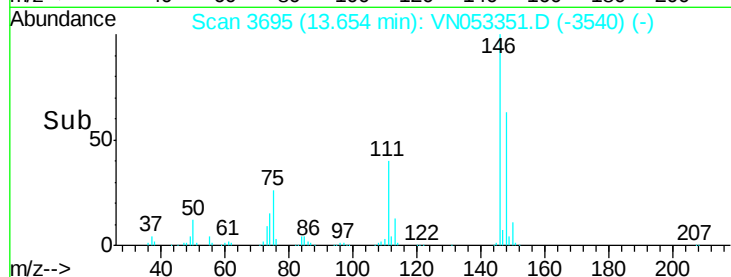
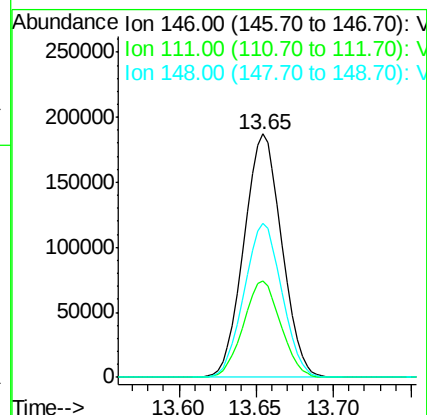
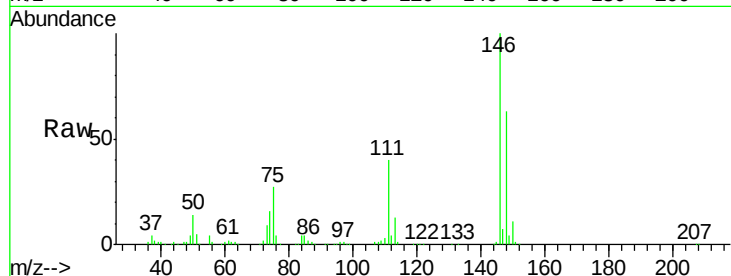
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	318910
Ion Ratio	Lower	Upper	
146	100		
111	39.1	20.3	60.8
148	63.2	32.1	96.5

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 17.966 ug/l

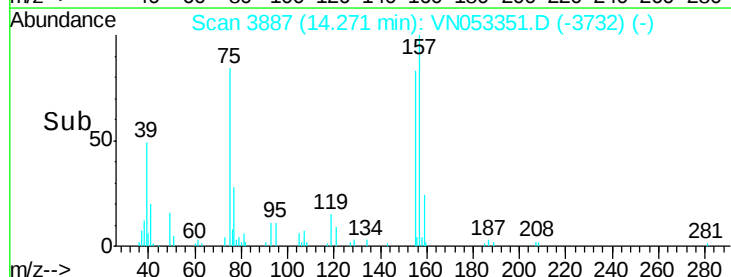
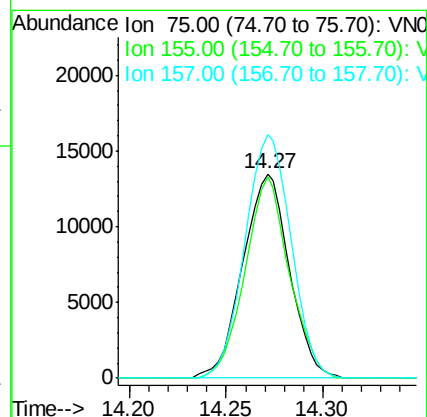
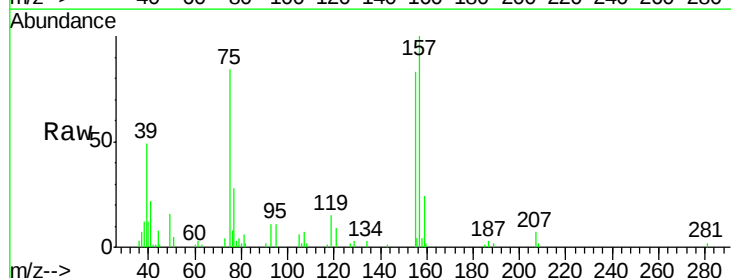
RT: 14.27 min Scan# 3887

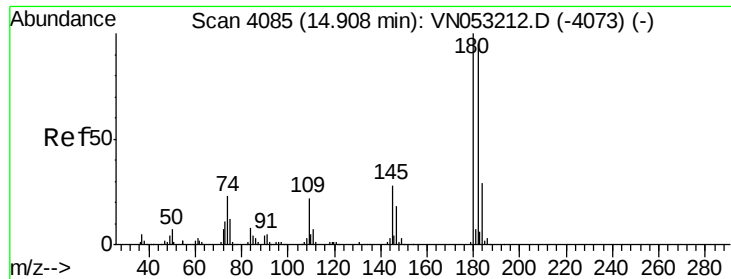
Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Tgt Ion:	75	Resp:	22595
Ion Ratio	Lower	Upper	
75	100		
155	93.7	72.2	108.2
157	118.4	94.2	141.2





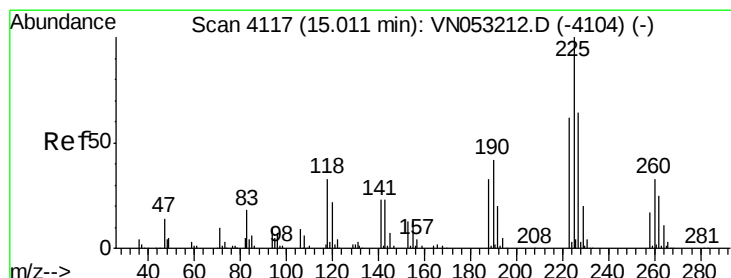
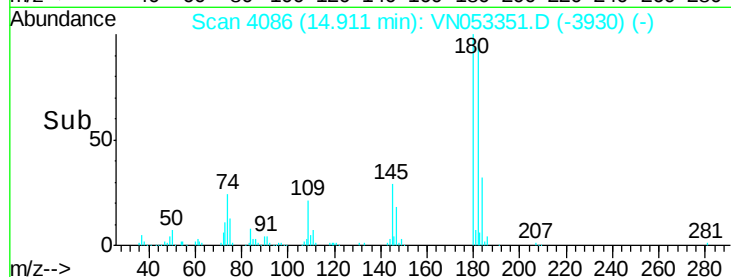
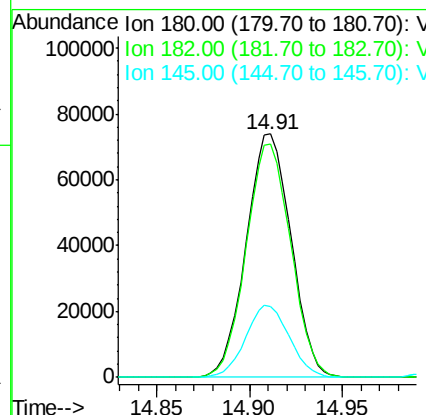
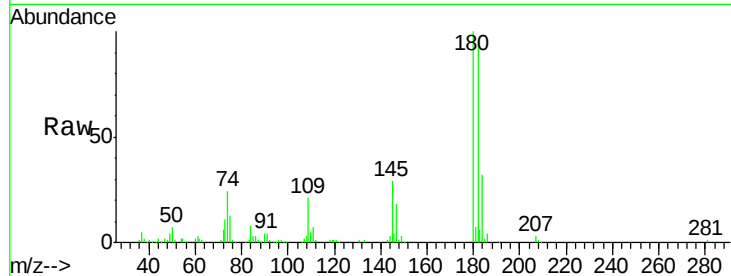
#89
 1,2,4-Trichlorobenzene
 Concen: 15.075 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	114.8
145	28.8	23.6	35.4

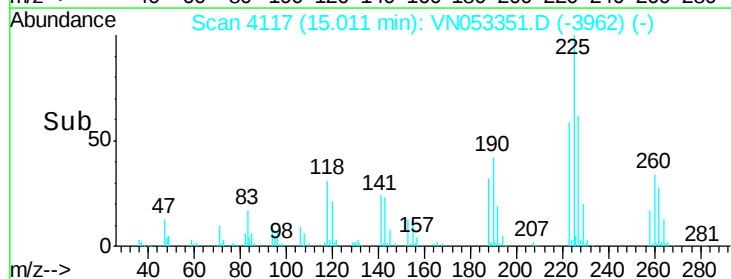
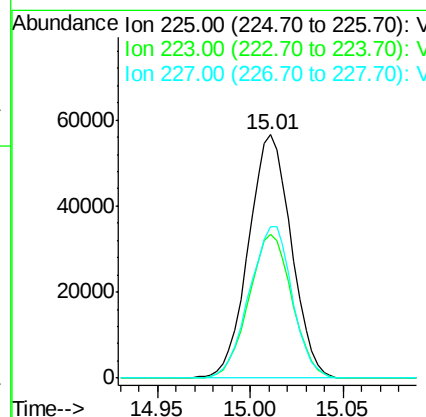
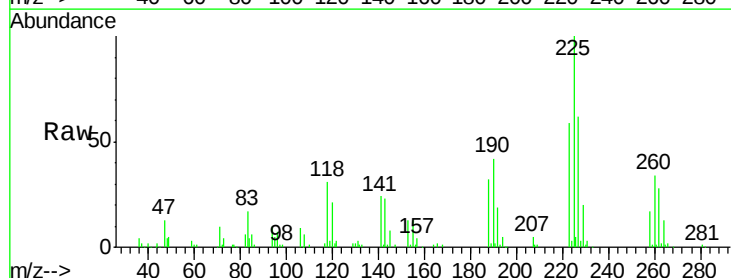
Manual Integrations
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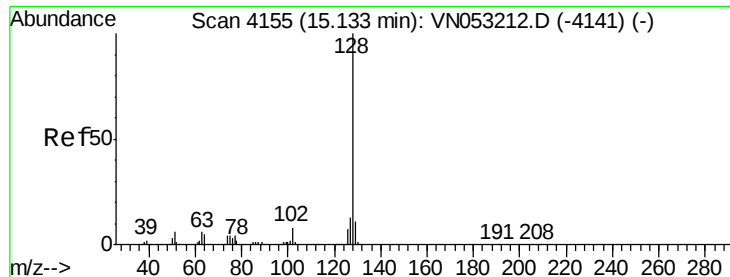
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#90
 Hexachlorobutadiene
 Concen: 18.190 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.8	0.0	125.6
227	62.8	0.0	127.8





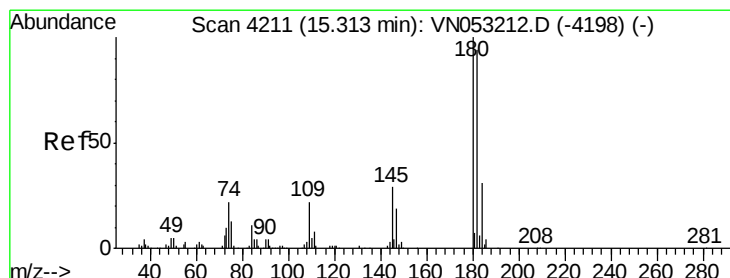
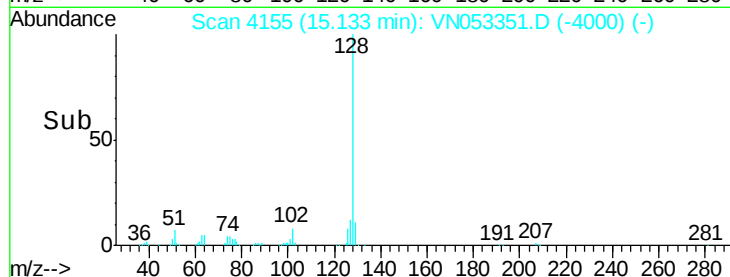
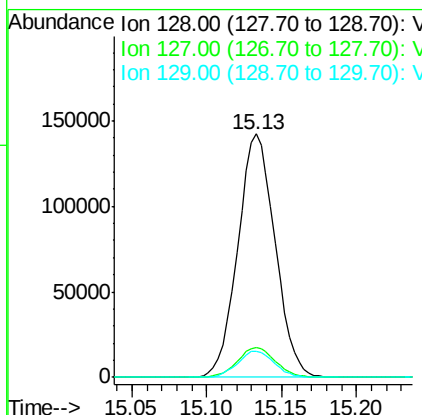
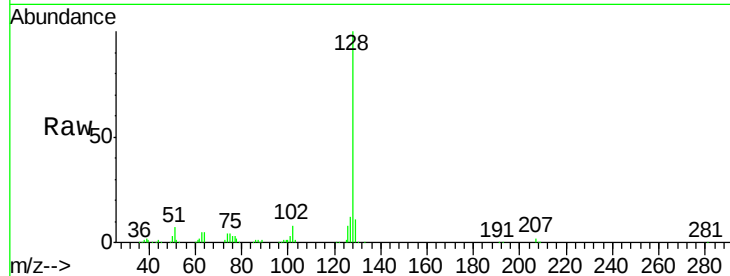
#91
Naphthalene
Concen: 14.071 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.9	14.9
129	10.7	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/11/2019 10:12:09 AM



#92
1,2,3-Trichlorobenzene
Concen: 13.117 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	0.0	196.2
145	29.8	0.0	62.2

