

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054528.D
 Acq On : 21 Mar 2019 23:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 4:22:55 PM

Quant Time: Mar 22 10:31:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	487491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	825547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	703706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	301838	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	342564	56.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.00%	
35) Dibromofluoromethane	7.59	113	276233	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
50) Toluene-d8	10.09	98	1011713	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.40	95	339194	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	247135	53.030	ug/l	100
3) Chloromethane	2.06	50	332018	52.363	ug/l	99
4) Vinyl Chloride	2.19	62	327240	51.404	ug/l	100
5) Bromomethane	2.57	94	179733	43.662	ug/l	98
6) Chloroethane	2.71	64	184931	48.432	ug/l	100
7) Trichlorofluoromethane	3.02	101	398505	51.546	ug/l	99
8) Diethyl Ether	3.41	74	144707	48.669	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.75	101	208699	45.933	ug/l	96
10) Methyl Iodide	3.94	142	297980	44.584	ug/l	93
11) Tert butyl alcohol	4.82	59	110840	301.930	ug/l	98
12) 1,1-Dichloroethene	3.73	96	222686	47.359	ug/l #	82
13) Acrolein	3.61	56	138145	272.686	ug/l	100
14) Allyl chloride	4.31	41	486849	54.985	ug/l #	90
15) Acrylonitrile	5.00	53	548568	300.068	ug/l	100
16) Acetone	3.82	43	404264	221.754	ug/l #	85
17) Carbon Disulfide	4.04	76	625724	49.666	ug/l	100
18) Methyl Acetate	4.33	43	244873	60.264	ug/l #	90
19) Methyl tert-butyl Ether	5.06	73	775313	56.499	ug/l	95
20) Methylene Chloride	4.54	84	280436	52.185	ug/l #	84
21) trans-1,2-Dichloroethene	5.03	96	266082	55.419	ug/l	85
22) Diisopropyl ether	5.96	45	1002786	57.418	ug/l #	96
23) Vinyl Acetate	5.90	43	3727475	302.191	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	528243	56.175	ug/l	99
25) 2-Butanone	6.85	43	699650	299.598	ug/l	90
26) 2,2-Dichloropropane	6.82	77	315603	47.082	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	310024	54.135	ug/l	90
28) Bromochloromethane	7.20	49	274516	59.308	ug/l #	73
29) Tetrahydrofuran	7.22	42	484680	319.825	ug/l #	85
30) Chloroform	7.37	83	512036	55.795	ug/l	99
31) Cyclohexane	7.65	56	488821	54.413	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	427477	56.461	ug/l	96
36) 1,1-Dichloropropene	7.79	75	384879	49.862	ug/l	97
37) Ethyl Acetate	6.94	43	314182	57.228	ug/l	96
38) Carbon Tetrachloride	7.77	117	371486	49.524	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	412961	46.770	ug/l	90
40) Benzene	8.04	78	1136886	51.506	ug/l	99
41) Methacrylonitrile	7.18	41	186875	55.816	ug/l #	88
42) 1,2-Dichloroethane	8.13	62	413592	51.452	ug/l	98
43) Isopropyl Acetate	8.17	43	526464	56.782	ug/l #	93
44) Trichloroethene	8.83	130	303326	49.429	ug/l	95
45) 1,2-Dichloropropane	9.12	63	320466	54.069	ug/l	100
46) Dibromomethane	9.21	93	186355	52.704	ug/l	90
47) Bromodichloromethane	9.40	83	390846	53.262	ug/l	100
48) Methyl methacrylate	9.20	41	275880	54.821	ug/l	87
49) 1,4-Dioxane	9.20	88	60574	1076.698	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1495060	290.955	ug/l	94
52) Toluene	10.16	92	676388	49.823	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	369328	47.813	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	446844	53.107	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	256314	52.524	ug/l	97
56) Ethyl methacrylate	10.43	69	361327	55.165	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	451092	53.176	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	711610	263.842	ug/l	90
59) 2-Hexanone	10.75	43	948335	282.547	ug/l	92
60) Dibromochloromethane	10.90	129	276438	53.235	ug/l	100
61) 1,2-Dibromoethane	11.01	107	254104	52.670	ug/l	100
64) Tetrachloroethene	10.63	164	284106	48.674	ug/l	95
65) Chlorobenzene	11.44	112	712842	49.805	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	276875	53.896	ug/l	99
67) Ethyl Benzene	11.51	91	1262276	49.927	ug/l	98
68) m/p-Xylenes	11.62	106	941720	98.339	ug/l	97
69) o-Xylene	11.95	106	464931	49.714	ug/l	97
70) Styrene	11.96	104	774773	51.015	ug/l	97
71) Bromoform	12.13	173	173951	49.154	ug/l	99
73) Isopropylbenzene	12.25	105	1201427	49.395	ug/l	99
74) N-amyl acetate	12.07	43	416536	59.559	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	313051	56.382	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	286517m	59.819	ug/l	
77) Bromobenzene	12.53	156	306158	50.753	ug/l	87
78) n-propylbenzene	12.59	91	1314299	49.832	ug/l	98
79) 2-Chlorotoluene	12.68	91	813916	49.487	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	993382	49.832	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	68860	49.589	ug/l #	83
82) 4-Chlorotoluene	12.77	91	803775	50.418	ug/l	96
83) tert-Butylbenzene	12.99	119	867822	50.013	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	984891	50.352	ug/l	98
85) sec-Butylbenzene	13.17	105	1067132	49.334	ug/l	98
86) p-Isopropyltoluene	13.29	119	957740	49.490	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	499043	49.921	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	487595	50.131	ug/l	98
89) n-Butylbenzene	13.62	91	764169	50.500	ug/l	98
90) Hexachloroethane	13.88	117	156774	52.190	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	496560	51.284	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47477	58.298	ug/l	85

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QLast Update : Fri Mar 22 02:09:07 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	252103	52.229	ug/l	99
94) Hexachlorobutadiene	15.01	225	135738	50.055	ug/l	99
95) Naphthalene	15.13	128	594612	55.228	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	254703	53.019	ug/l	100

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

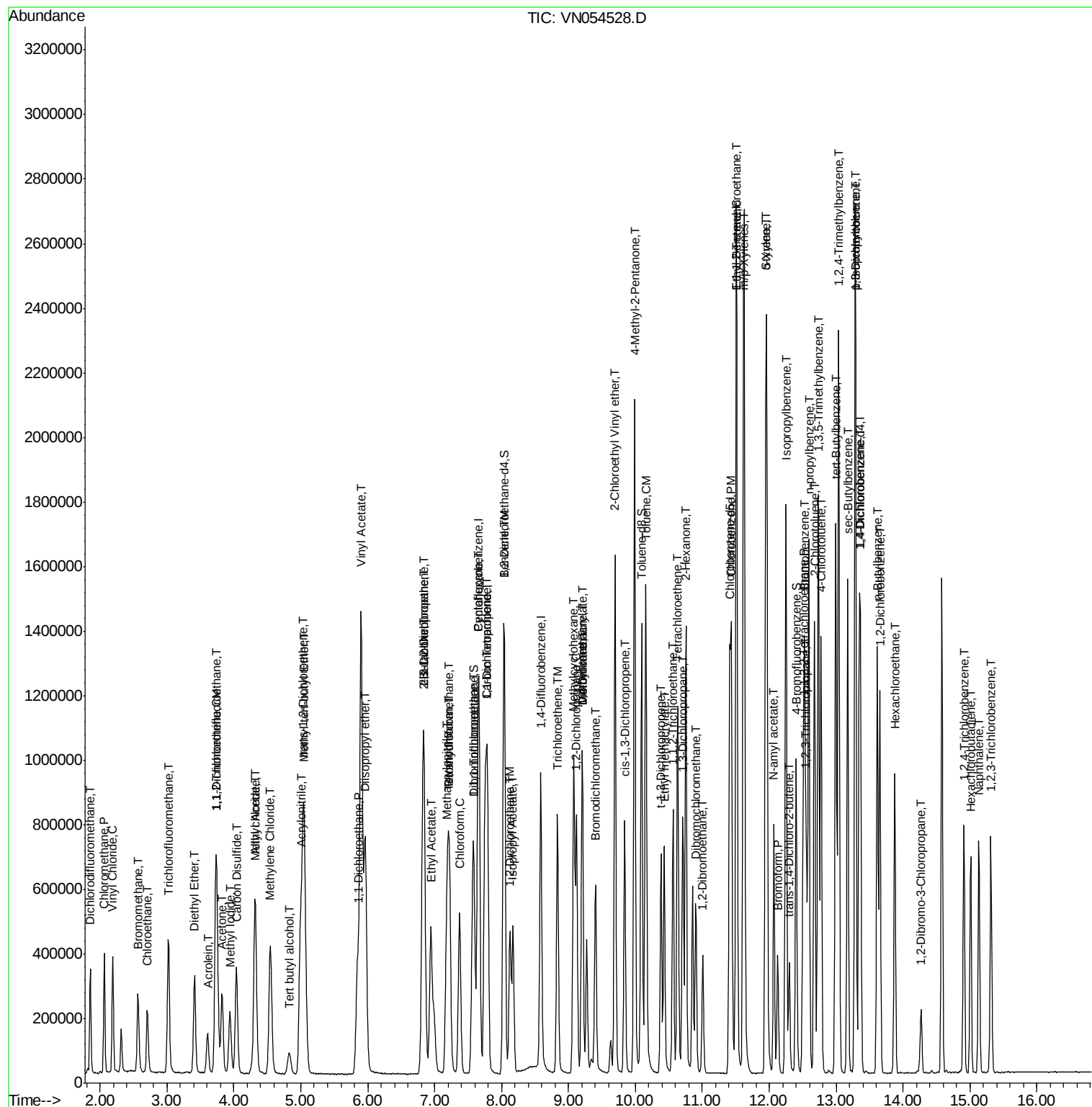
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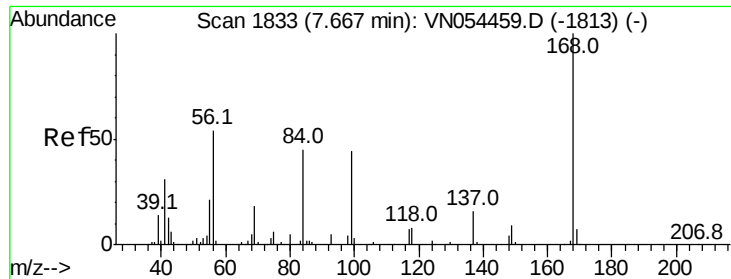
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 487491

Ion Ratio Lower Upper

168 100

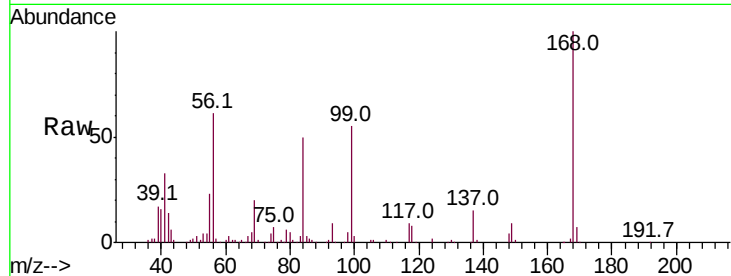
99 54.2 37.1 55.7

Manual Integrations

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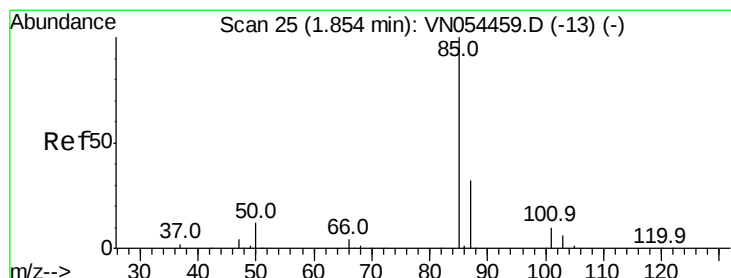
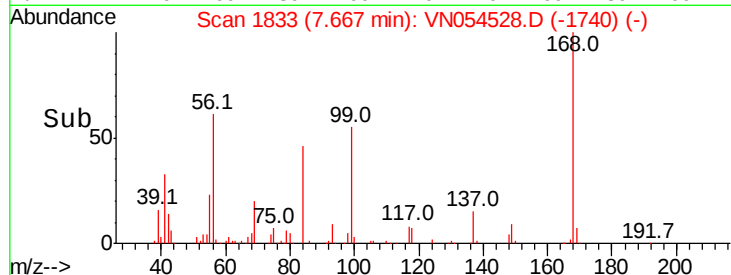
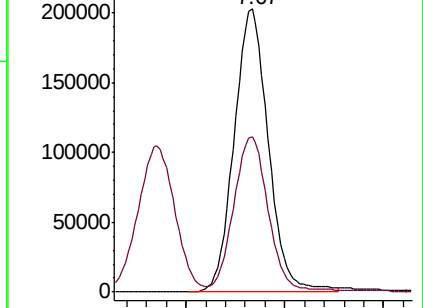
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 53.030 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054528.D

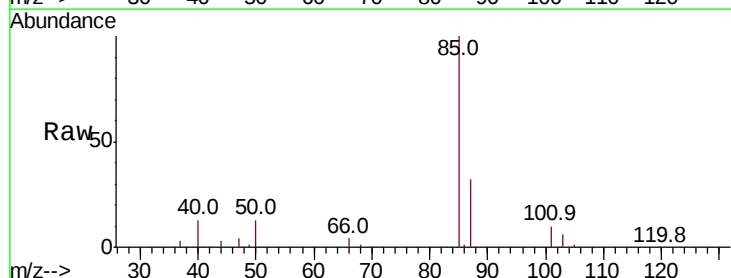
Acq: 21 Mar 2019 23:30

Tgt Ion: 85 Resp: 247135

Ion Ratio Lower Upper

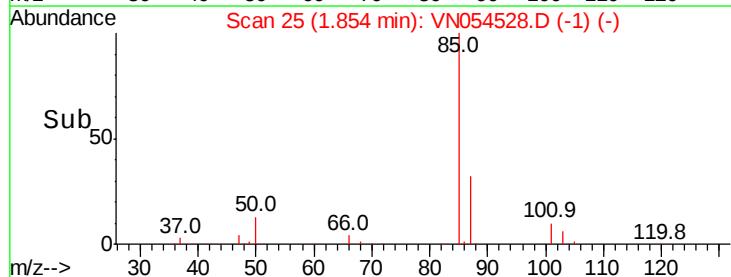
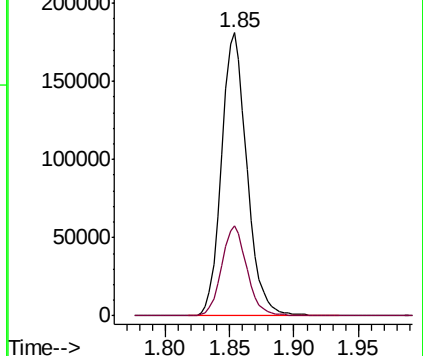
85 100

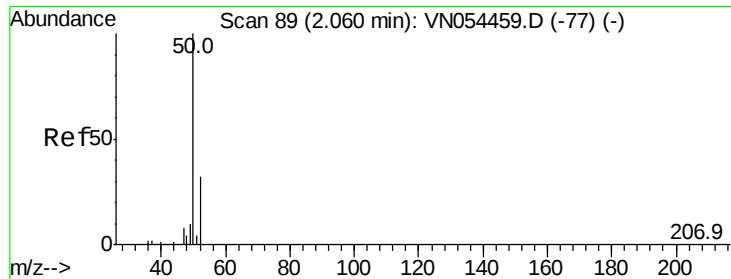
87 31.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 52.363 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 332018

Ion Ratio Lower Upper

50 100

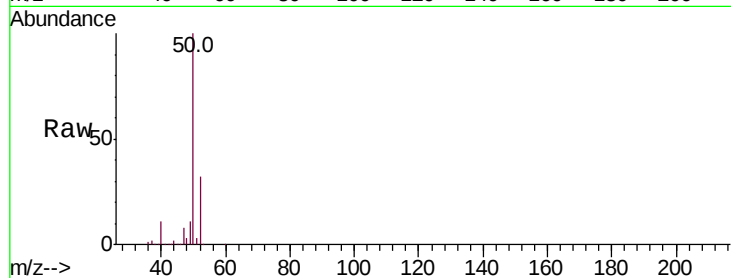
52 32.5 26.4 39.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN054459.D (-77) (-)

Ion 51.90 (51.60 to 52.60): VN054459.D (-77) (-)

2.06

250000

200000

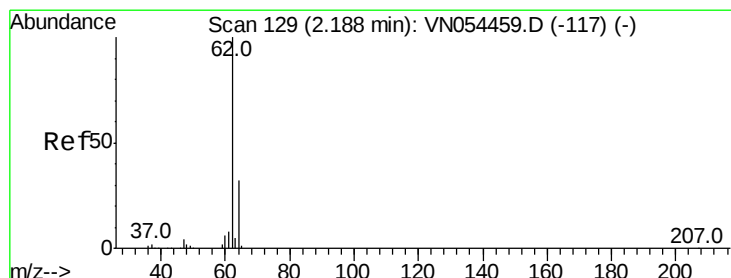
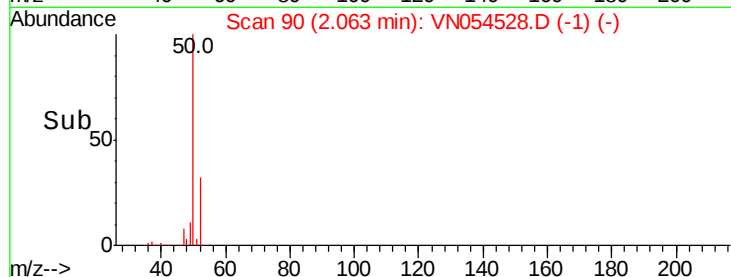
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 51.404 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054528.D

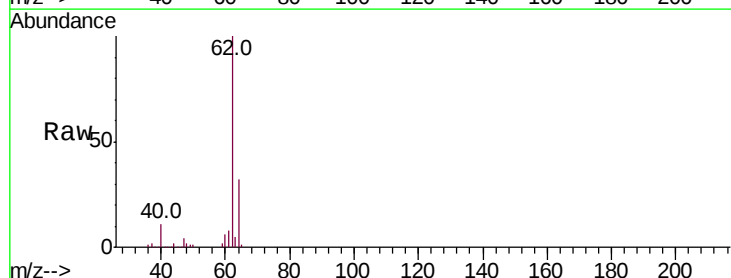
Acq: 21 Mar 2019 23:30

Tgt Ion: 62 Resp: 327240

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN054459.D (-117) (-)

Ion 63.90 (63.60 to 64.60): VN054459.D (-117) (-)

2.19

250000

200000

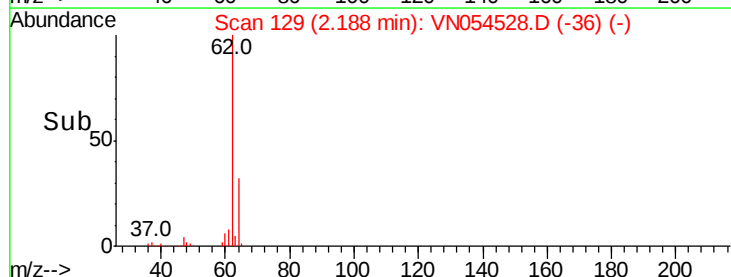
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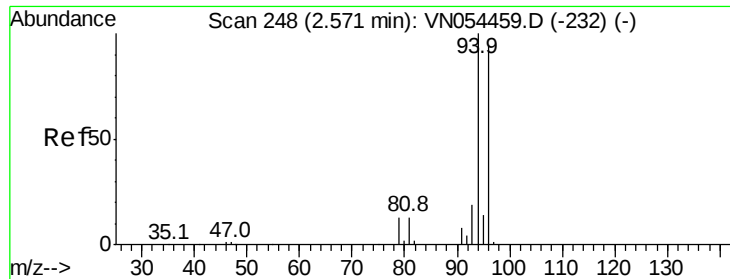
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50000

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Time-->





#5

Bromomethane

Concen: 43.662 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

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Tot Ion: 94 Resp: 179733

Ion Ratio Lower Upper

94 100

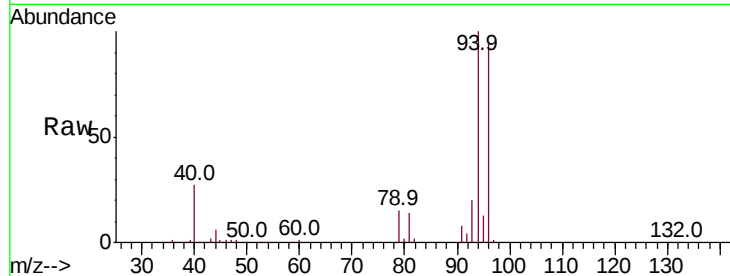
96 94.1 77.0 115.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

100000

80000

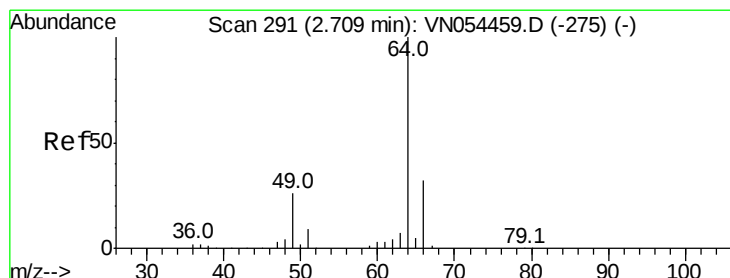
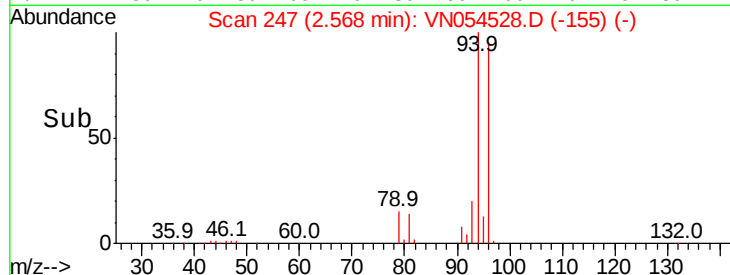
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40000

20000

0

Time-->



#6

Chloroethane

Concen: 48.432 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054528.D

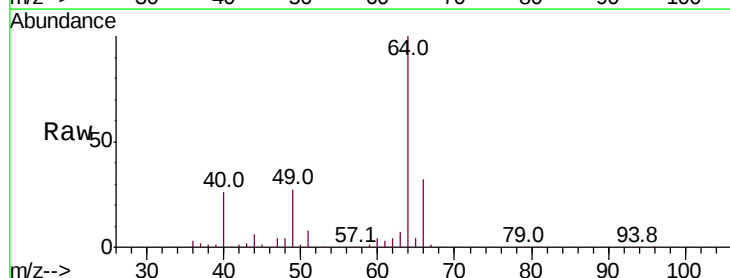
Acq: 21 Mar 2019 23:30

Tgt Ion: 64 Resp: 184931

Ion Ratio Lower Upper

64 100

66 32.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.71

100000

80000

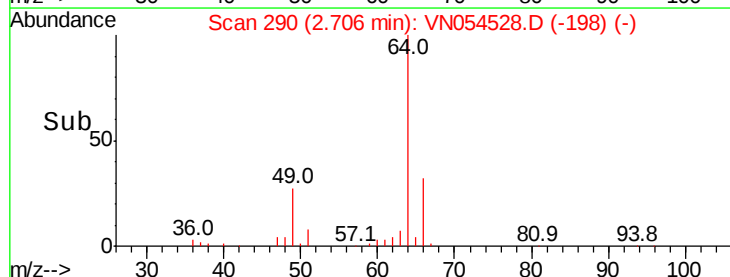
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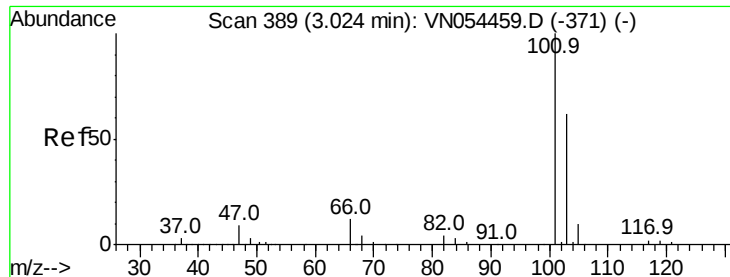
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20000

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Time-->





#7

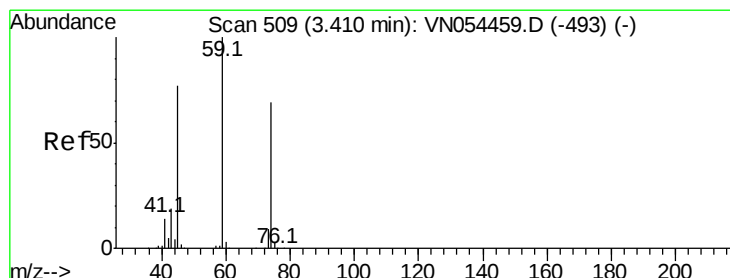
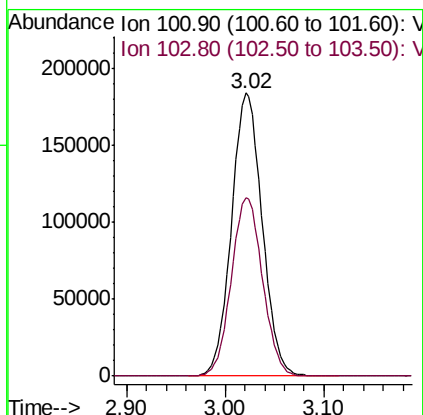
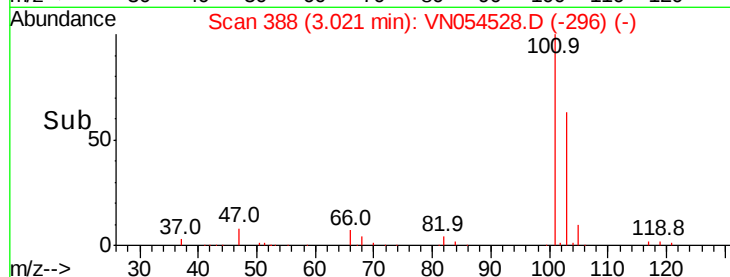
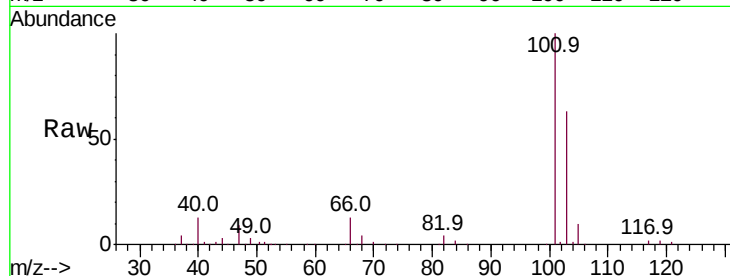
Trichlorofluoromethane
 Concen: 51.546 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054528.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.4	77.2

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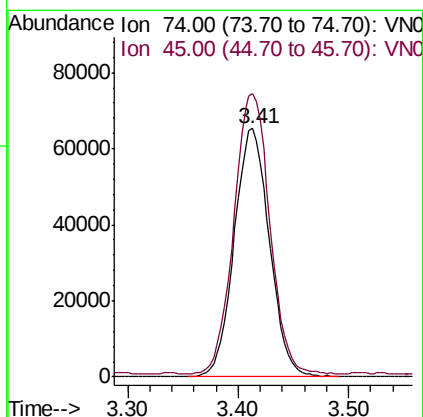
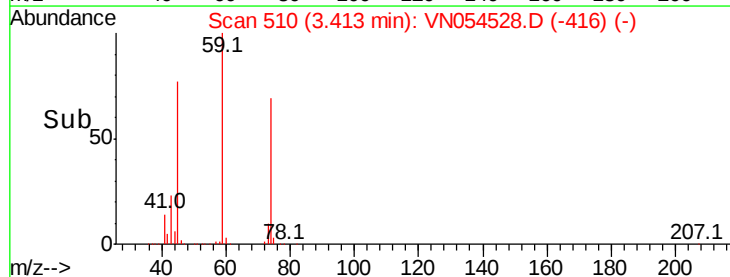
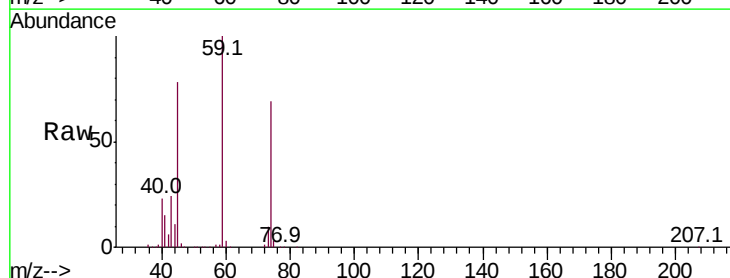
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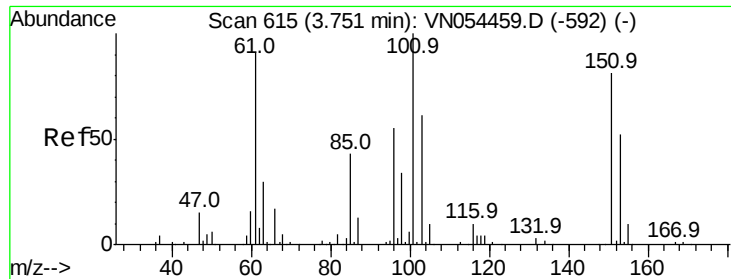


#8

Diethyl Ether
 Concen: 48.669 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054528.D
 Acq: 21 Mar 2019 23:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.2	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.933 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

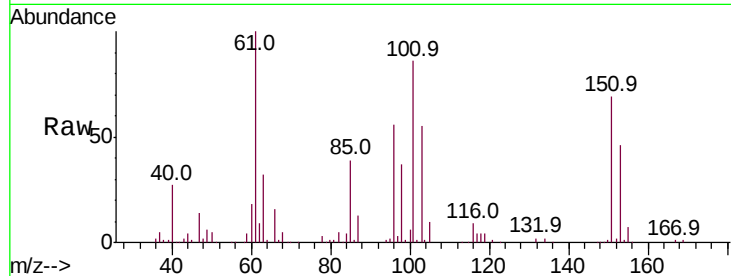
ClientSampleId :

VSTDCCC050

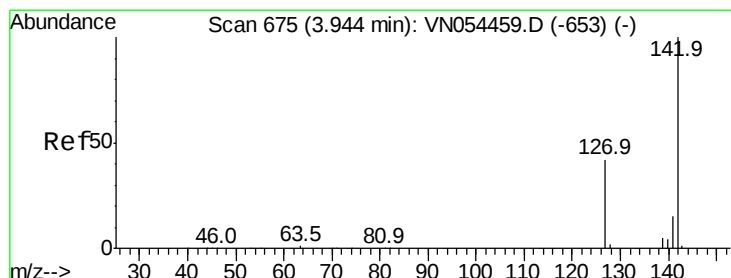
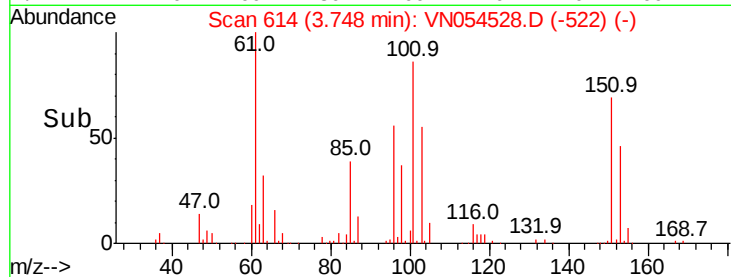
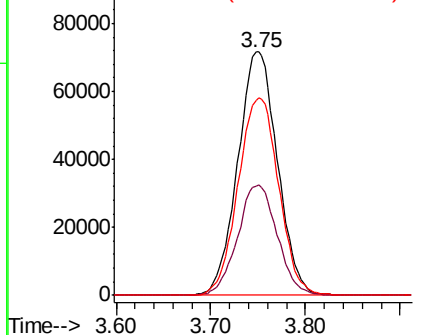
Tot Ion:	101	Resp:	208699
Ion Ratio	Lower	Upper	
101	100		
85	45.3	32.4	48.6
151	83.0	68.2	102.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.584 ug/l

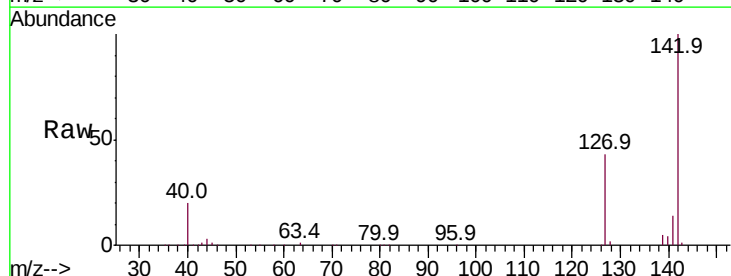
RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

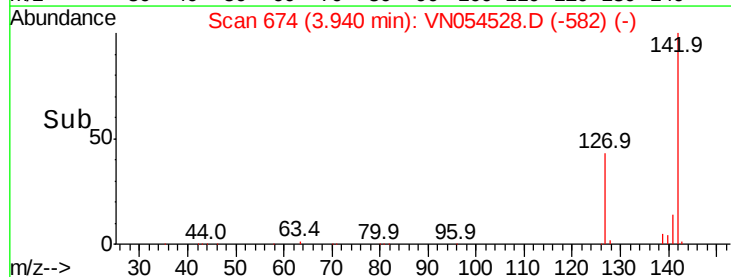
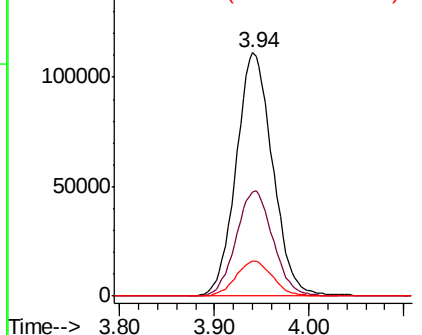
Lab File: VN054528.D

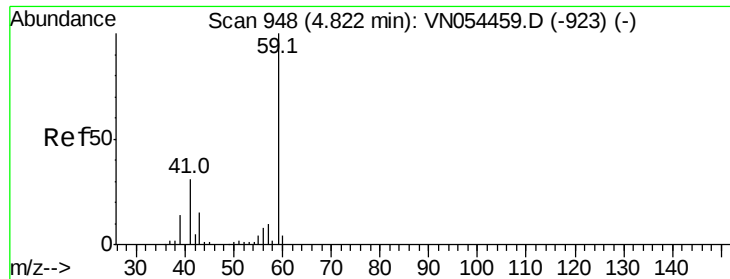
Acq: 21 Mar 2019 23:30

Tgt Ion:	142	Resp:	297980
Ion Ratio	Lower	Upper	
142	100		
127	43.8	30.3	45.5
141	14.4	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





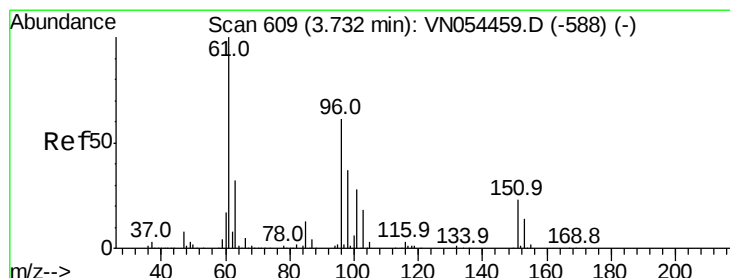
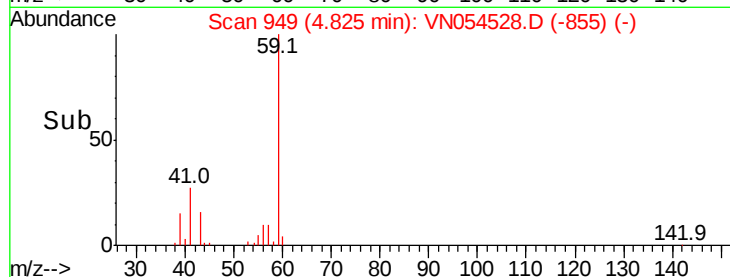
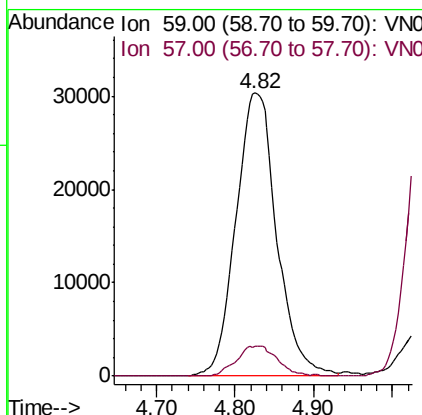
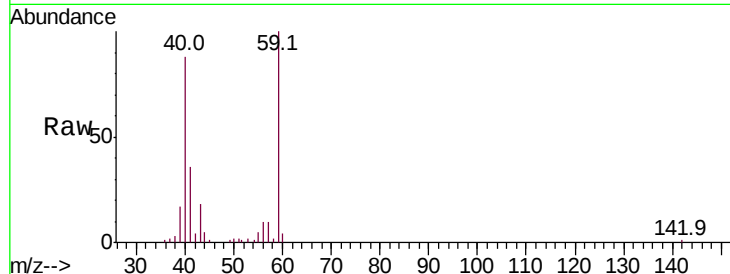
#11
Tert butyl alcohol
Concen: 301.930 ug/l
RT: 4.82 min Scan# 949
Delta R.T. 0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 110840
Ion Ratio Lower Upper
59 100
57 10.6 9.0 13.6

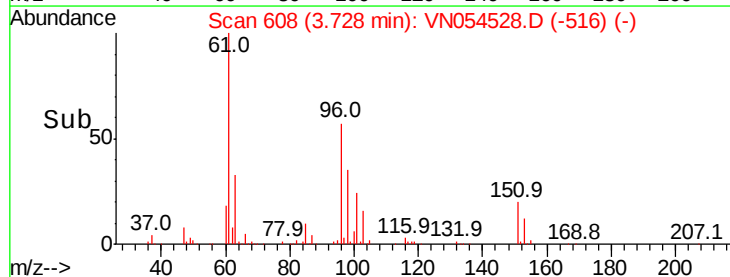
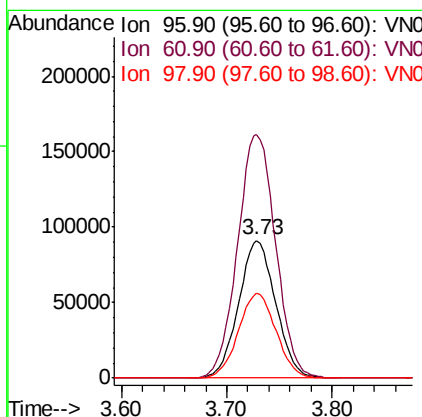
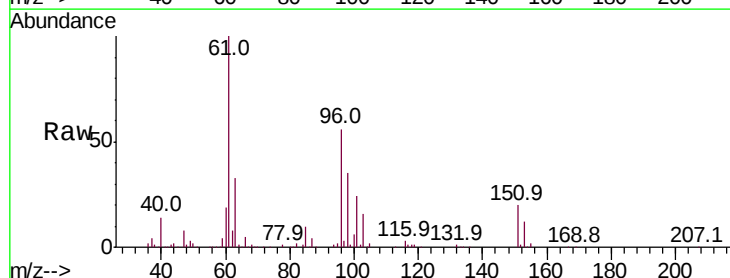
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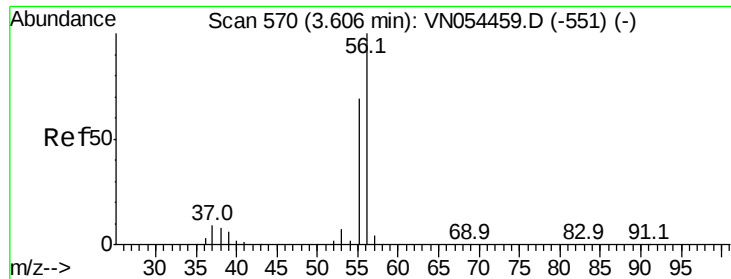
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#12
1,1-Dichloroethene
Concen: 47.359 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Tgt Ion: 96 Resp: 222686
Ion Ratio Lower Upper
96 100
61 176.8 116.5 174.7#
98 62.0 51.0 76.4





#13

Acrolein

Concen: 272.686 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 138145

Ion Ratio Lower Upper

56 100

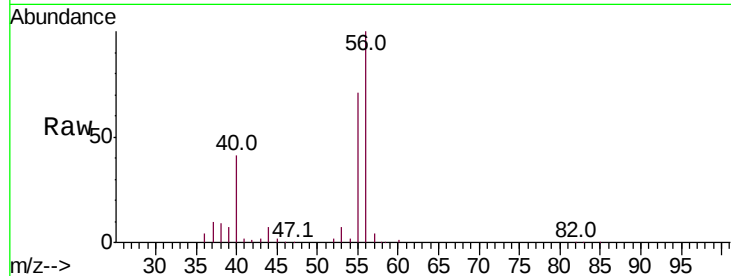
55 71.2 56.7 85.1

Manual Integrations

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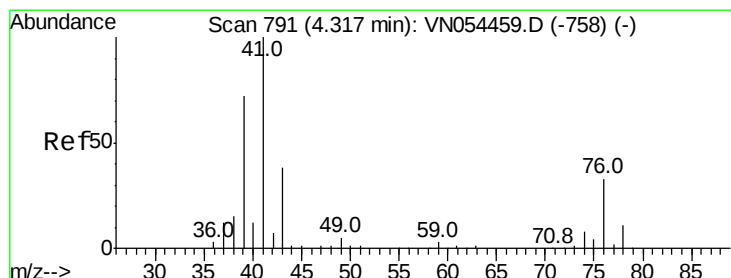
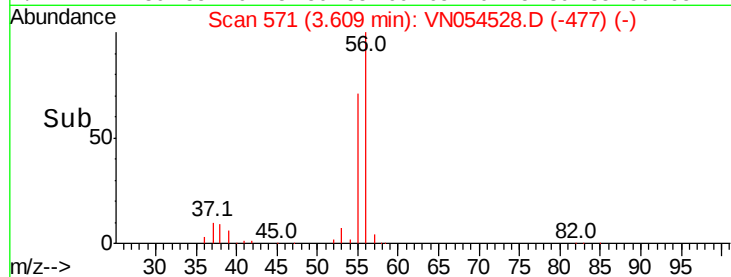
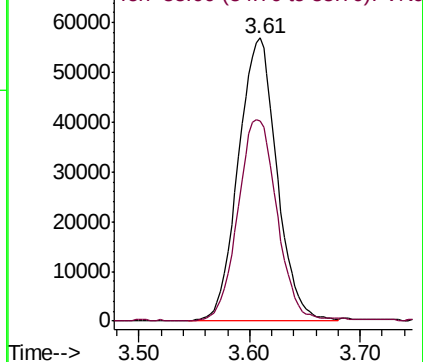
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 54.985 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

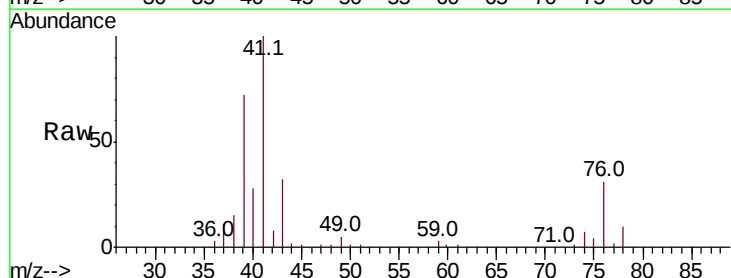
Tgt Ion: 41 Resp: 486849

Ion Ratio Lower Upper

41 100

39 67.4 58.2 87.4

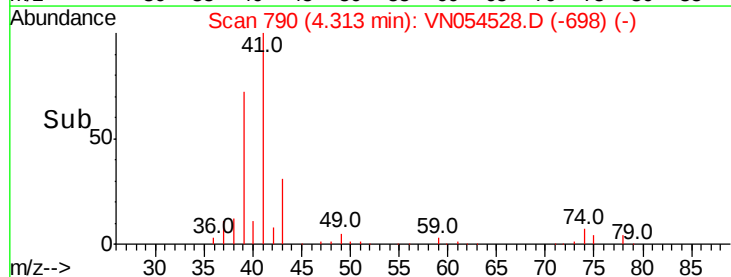
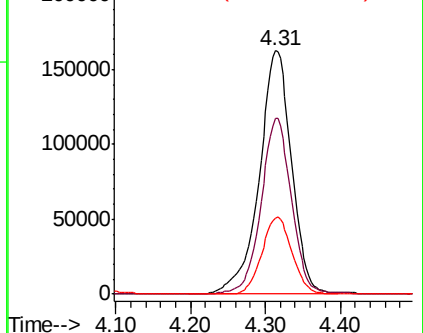
76 29.5 31.7 47.5#

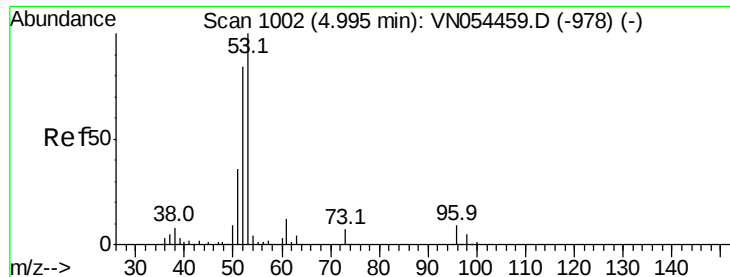


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 300.068 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

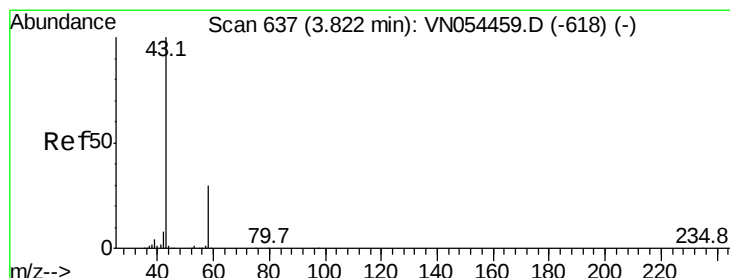
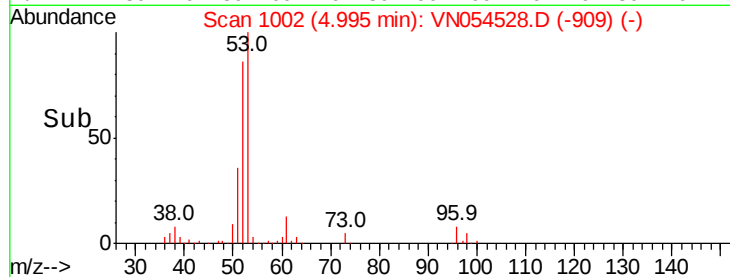
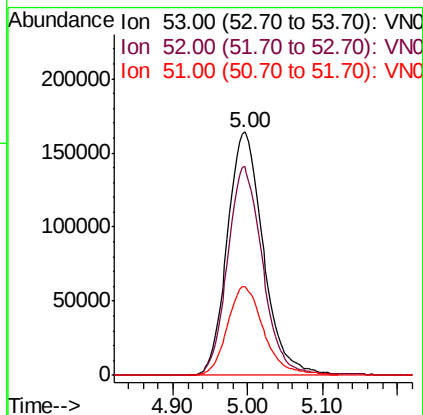
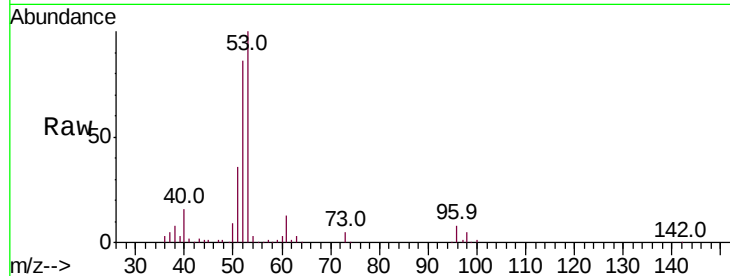
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	548568
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.4	99.6
51	37.1	29.6	44.4

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#16

Acetone

Concen: 221.754 ug/l

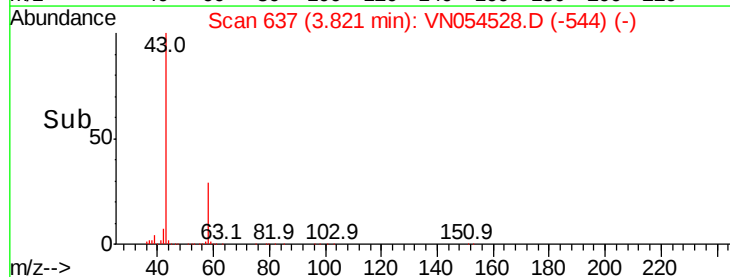
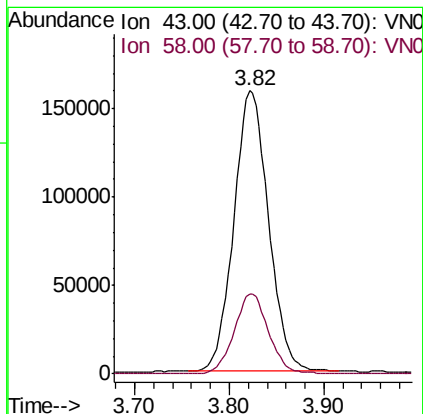
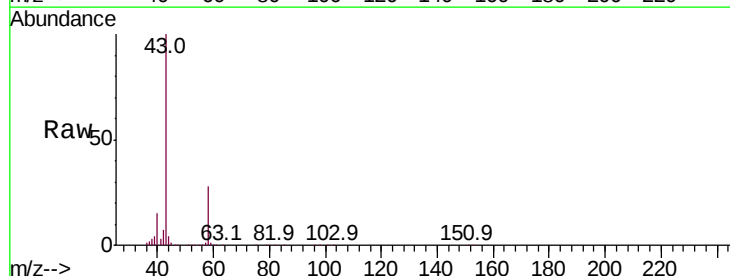
RT: 3.82 min Scan# 637

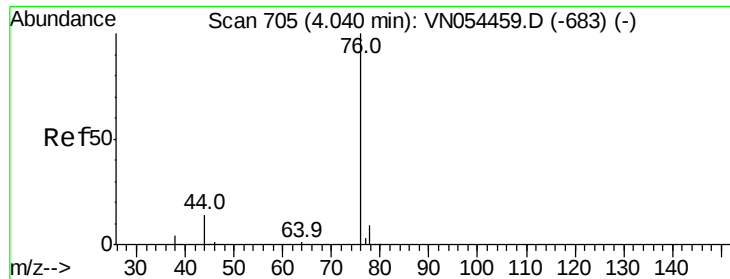
Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Tgt Ion:	43	Resp:	404264
Ion Ratio	Lower	Upper	
43	100		
58	28.5	29.9	44.9#





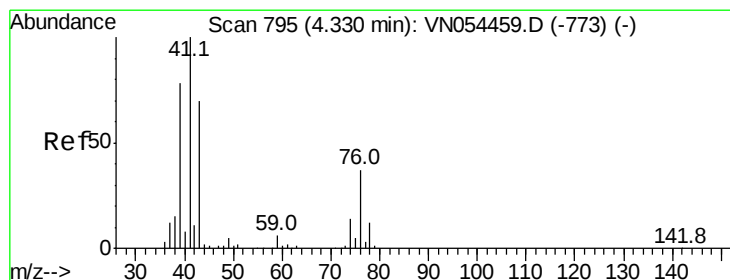
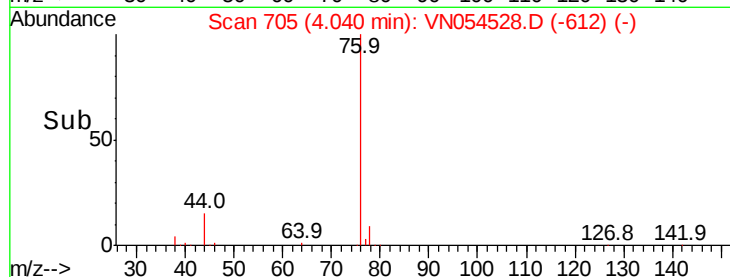
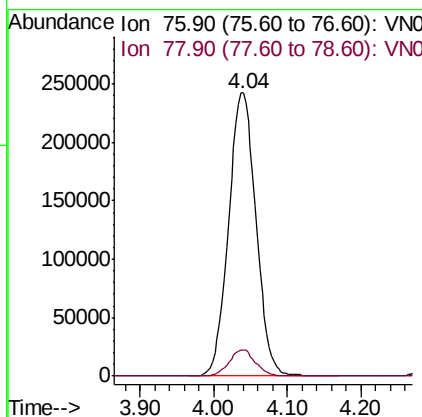
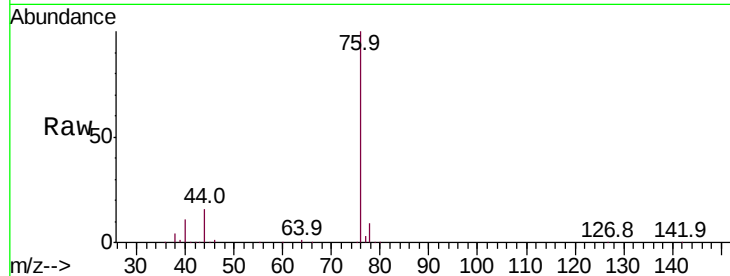
#17
Carbon Disulfide
Concen: 49.666 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.5	11.3

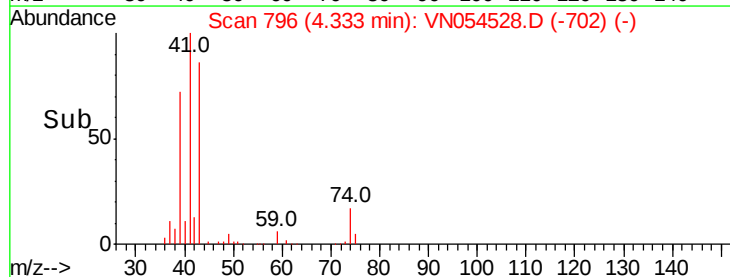
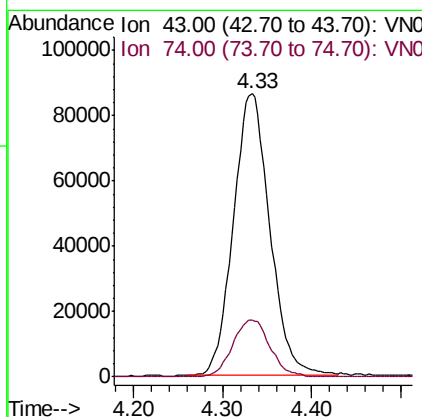
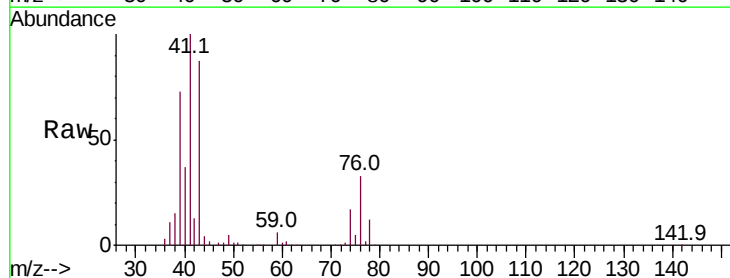
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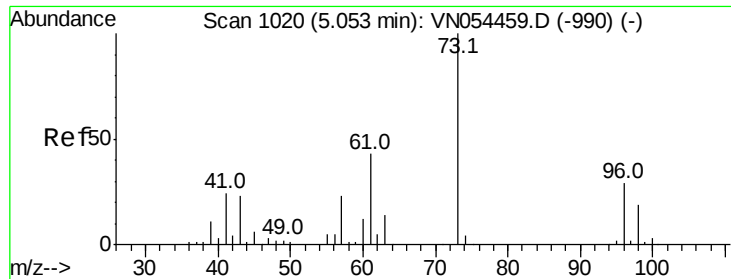
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#18
Methyl Acetate
Concen: 60.264 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.7	20.8	31.2#





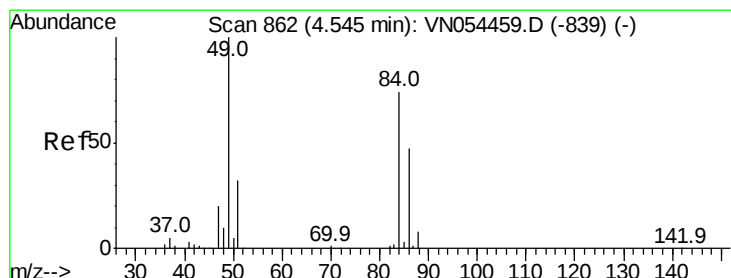
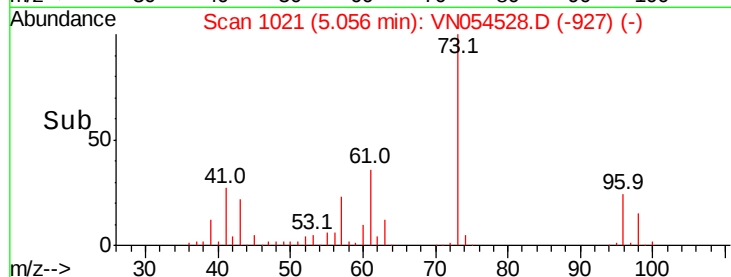
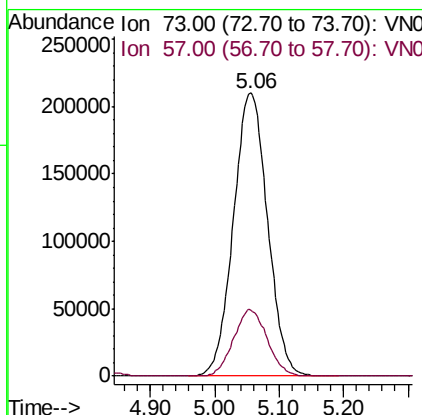
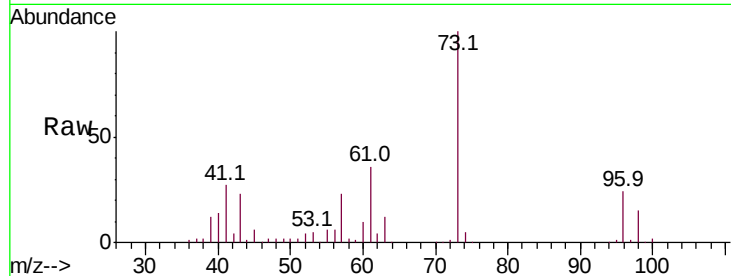
#19
Methyl tert-butyl Ether
Concen: 56.499 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 775313
Ion Ratio Lower Upper
73 100
57 23.4 16.8 25.2

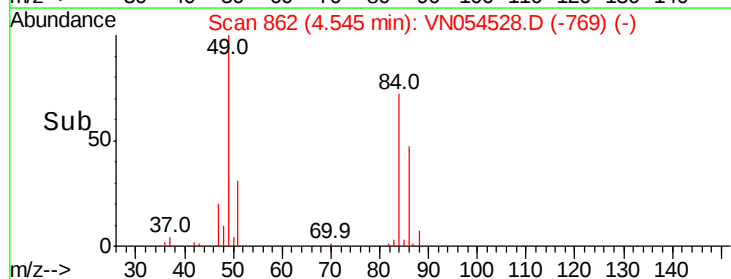
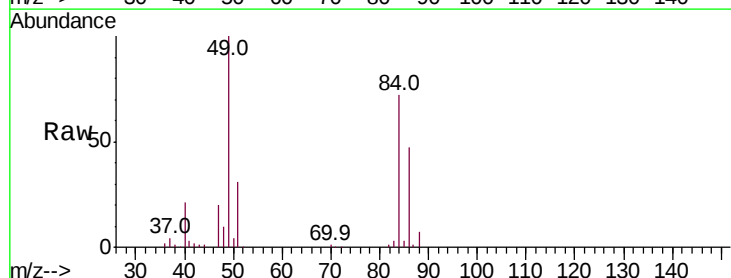
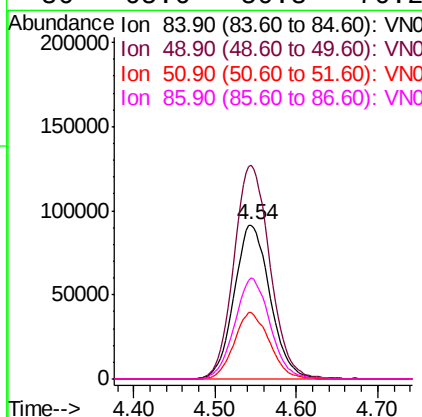
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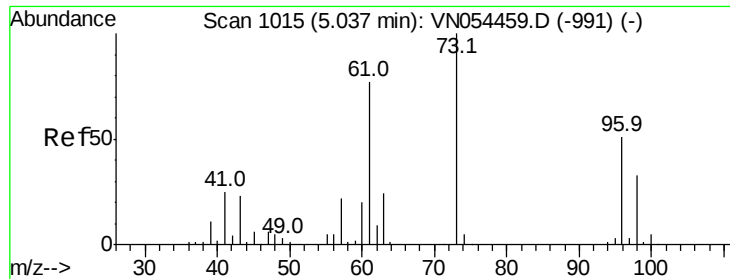
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#20
Methylene Chloride
Concen: 52.185 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Tgt Ion: 84 Resp: 280436
Ion Ratio Lower Upper
84 100
49 138.9 89.7 134.5#
51 43.3 28.2 42.4#
86 65.6 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 55.419 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 266082

Ion Ratio Lower Upper

96 100

61 153.7 102.8 154.2

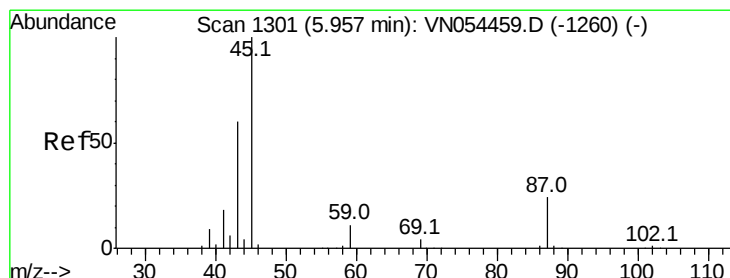
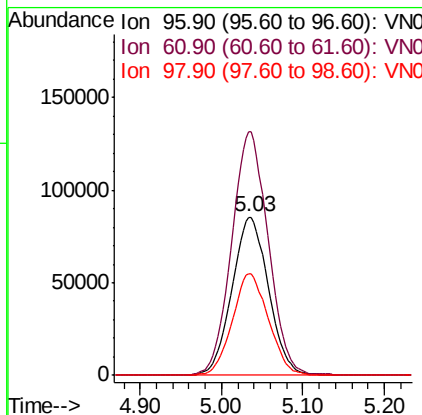
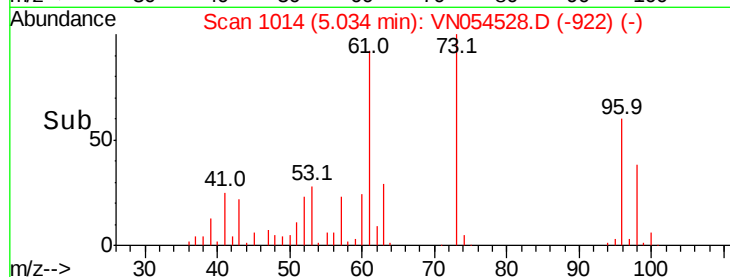
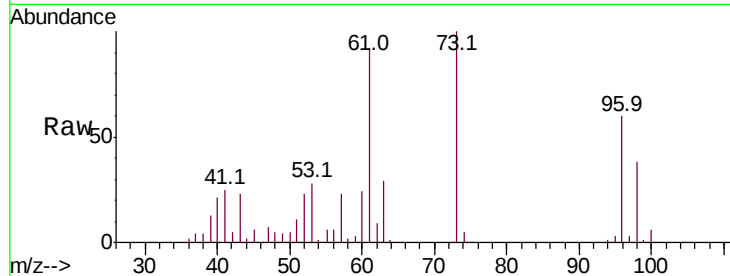
98 64.2 50.0 75.0

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#22

Diisopropyl ether

Concen: 57.418 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Tgt Ion: 45 Resp: 1002786

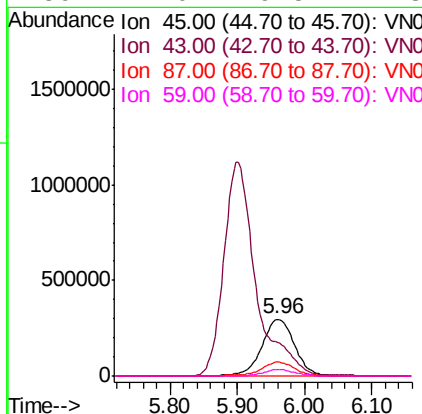
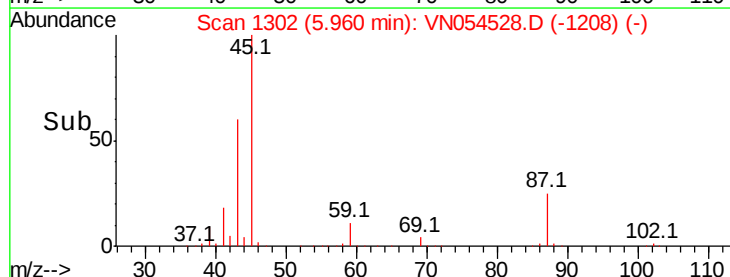
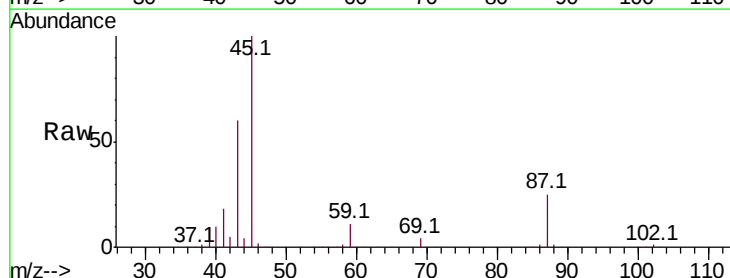
Ion Ratio Lower Upper

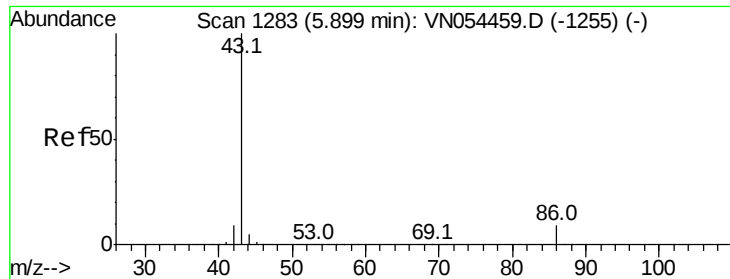
45 100

43 59.5 48.2 72.2

87 24.5 24.9 37.3#

59 11.0 9.5 14.3





#23

Vinyl Acetate

Concen: 302.191 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3727475

Ion Ratio Lower Upper

43 100

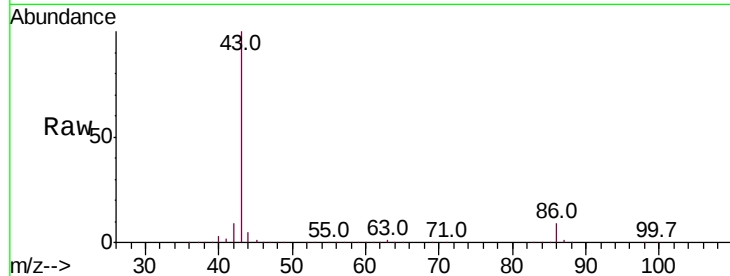
86 8.9 9.1 13.7#

Manual Integrations

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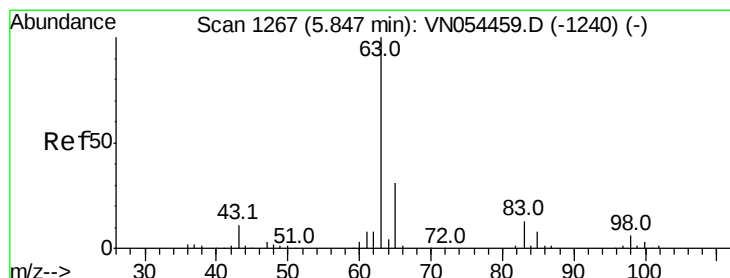
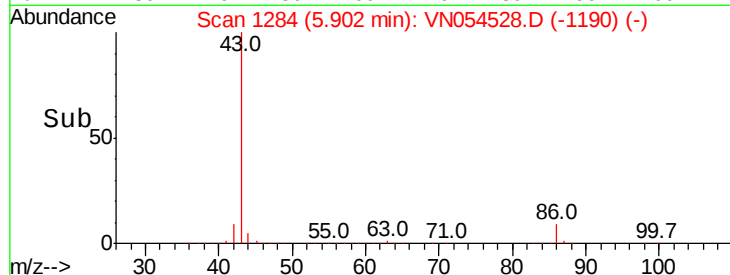
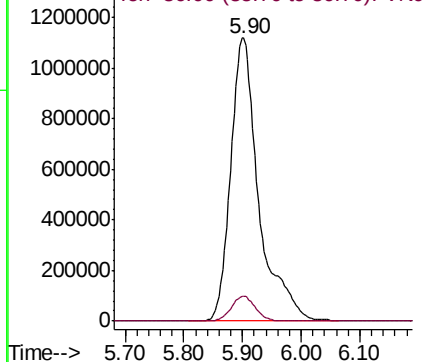
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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 56.175 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

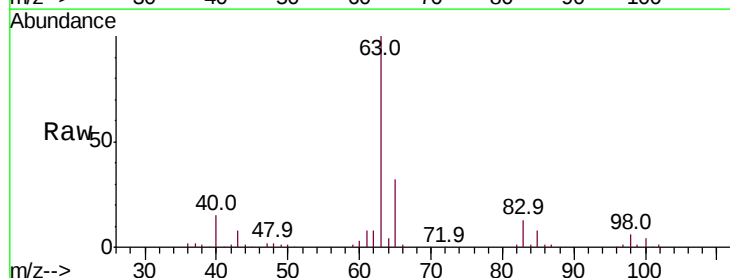
Tgt Ion: 63 Resp: 528243

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.5

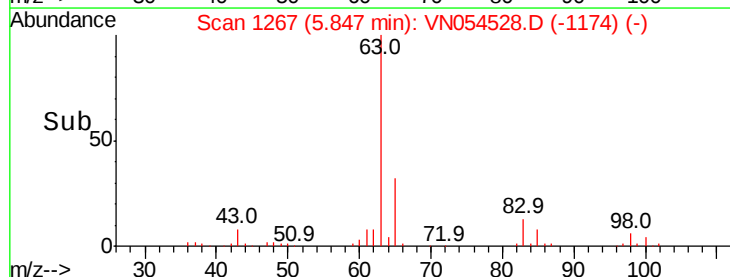
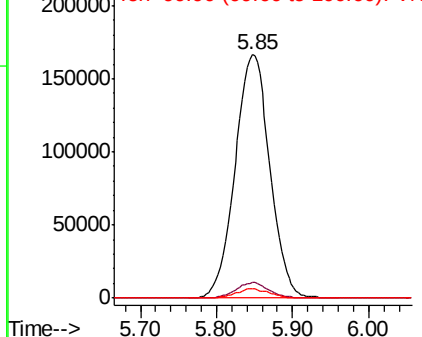
100 4.0 2.0 6.0

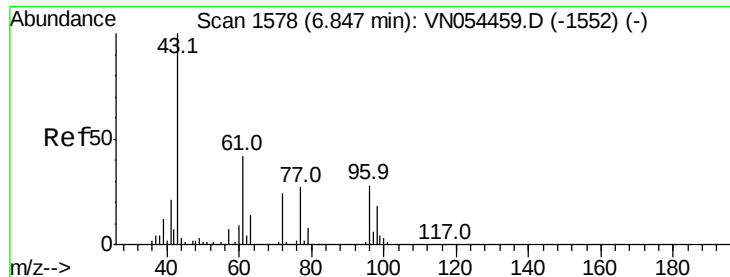


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





#25

2-Butanone

Concen: 299.598 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 699650

Ion Ratio Lower Upper

43 100

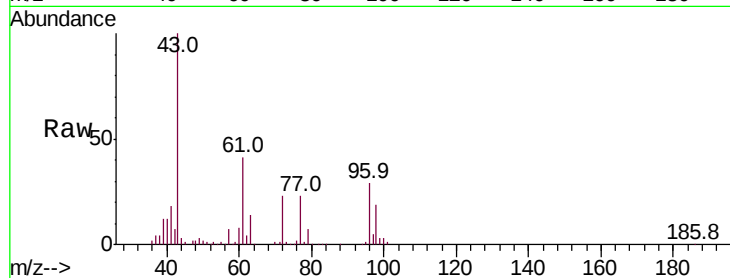
72 23.4 23.0 34.6

Manual Integrations

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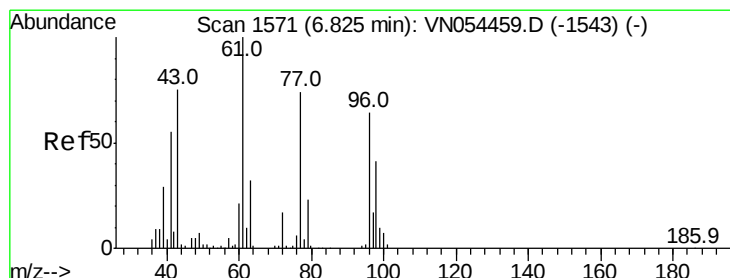
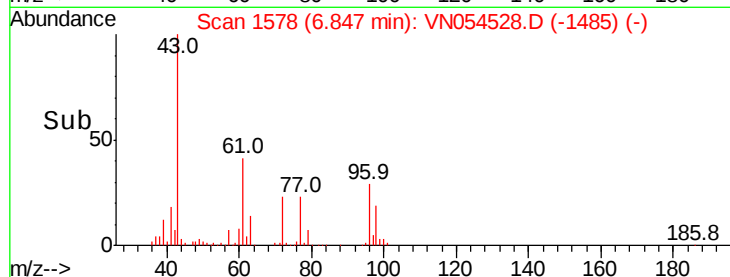
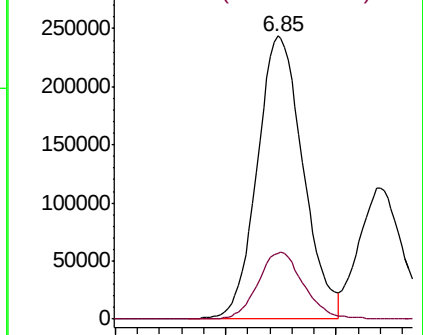
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 72.00 (71.70 to 72.70): VNO



#26

2,2-Dichloropropane

Concen: 47.082 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054528.D

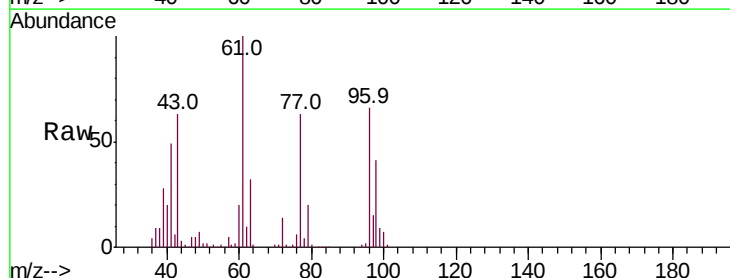
Acq: 21 Mar 2019 23:30

Tgt Ion: 77 Resp: 315603

Ion Ratio Lower Upper

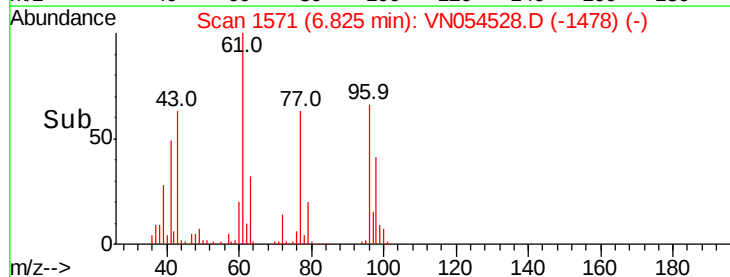
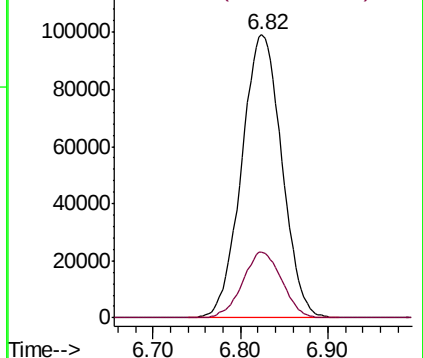
77 100

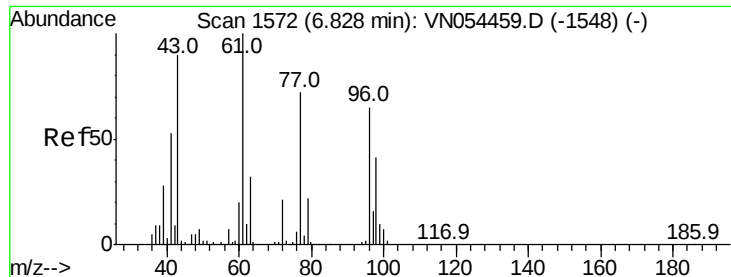
97 22.8 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VNO

Ion 96.90 (96.60 to 97.60): VNO





#27

cis-1,2-Dichloroethene

Concen: 54.135 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

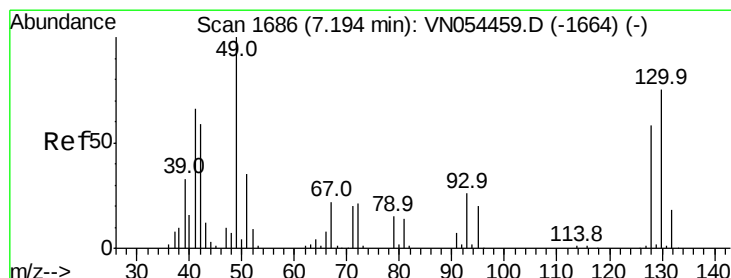
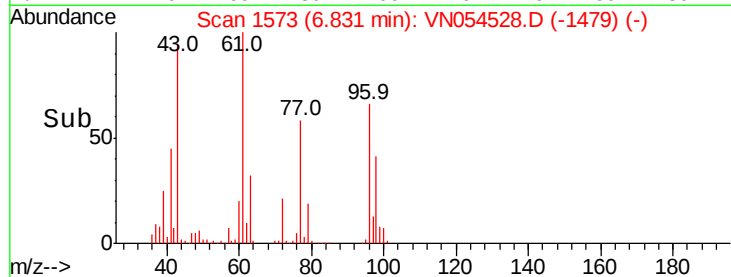
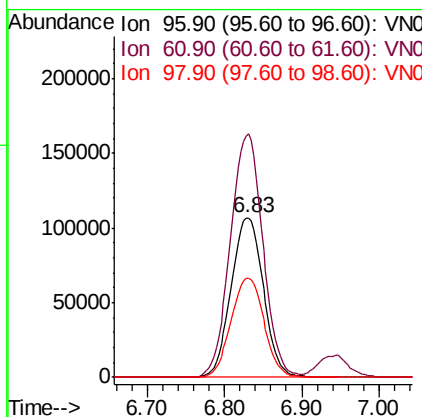
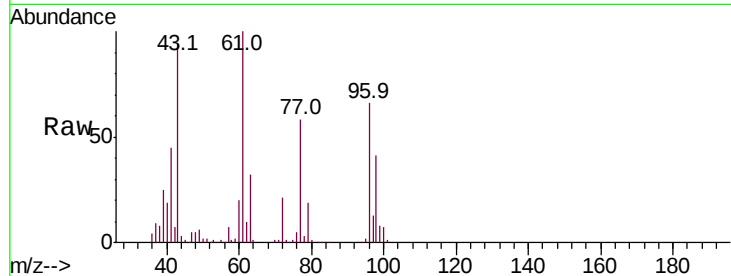
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	310024
Ion	Ratio	Lower	Upper
96	100		
61	153.2	0.0	273.0
98	63.3	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 59.308 ug/l

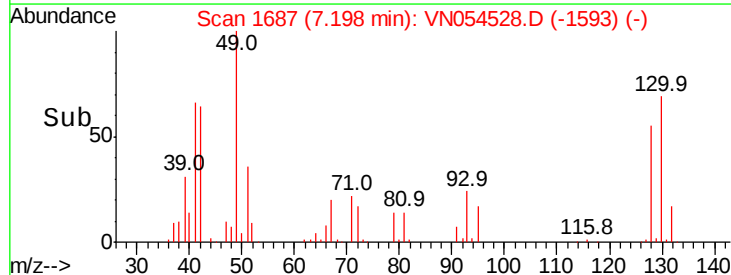
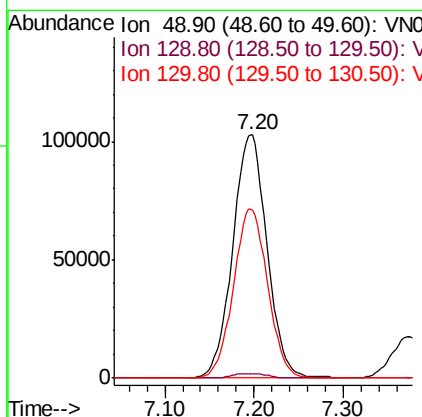
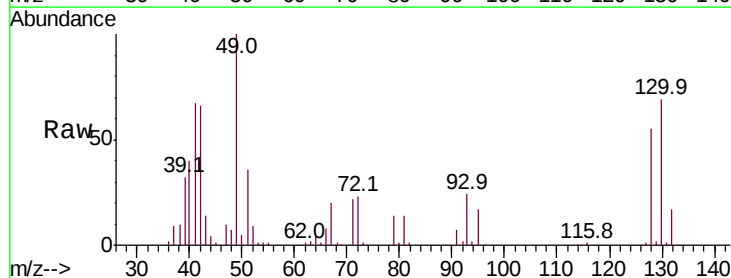
RT: 7.20 min Scan# 1687

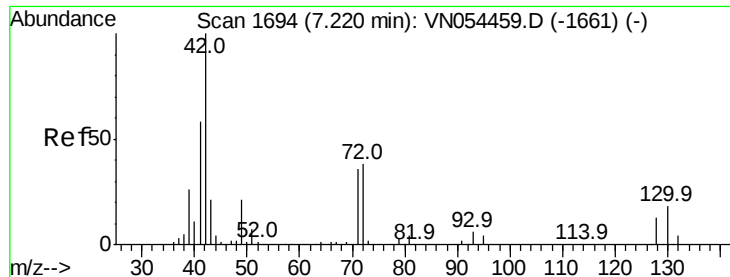
Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Tgt Ion:	49	Resp:	274516
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.6
130	69.4	76.7	115.1#





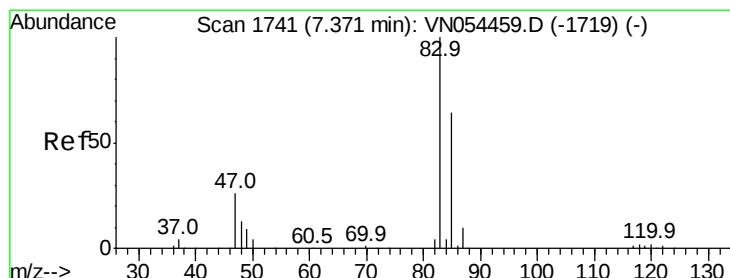
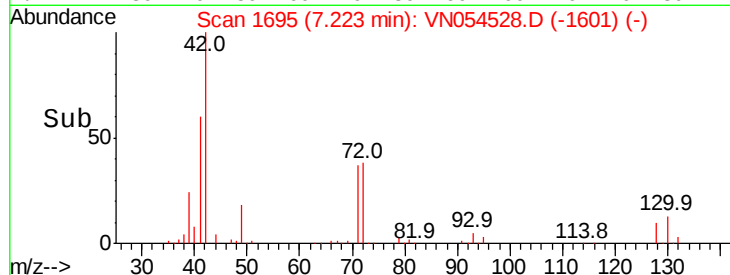
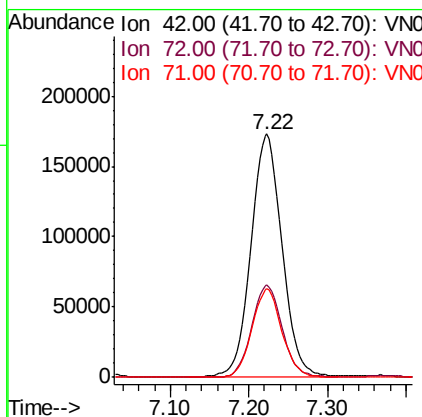
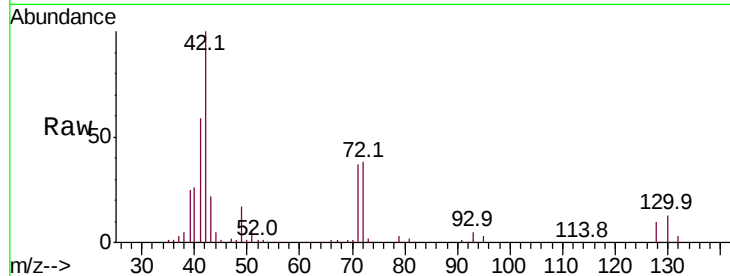
#29
Tetrahydrofuran
Concen: 319.825 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.2	37.8	56.6#
71	35.4	36.2	54.2#

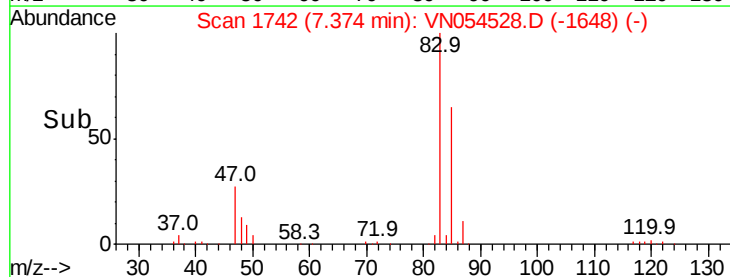
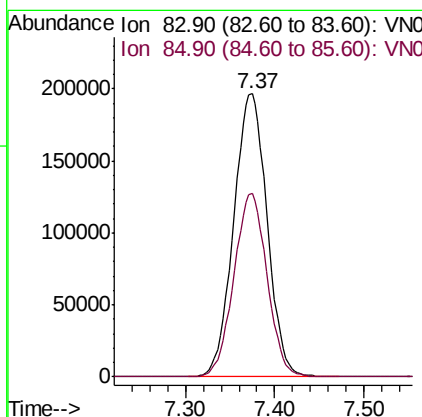
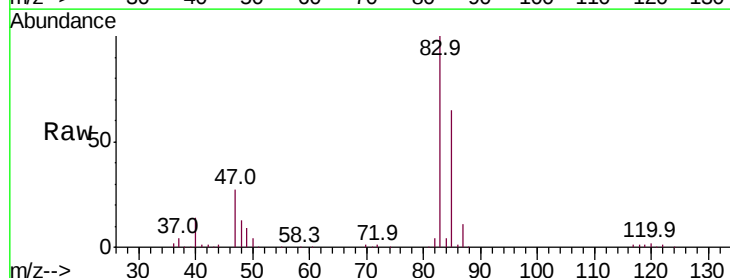
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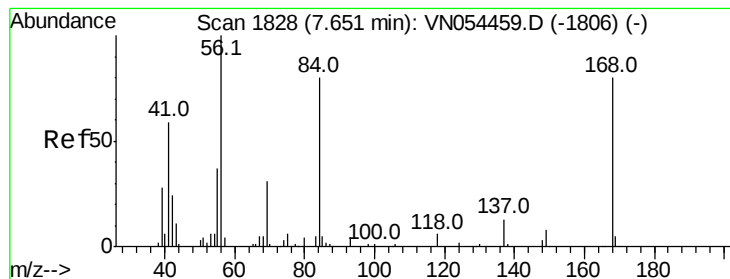
MMDadoda
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#30
Chloroform
Concen: 55.795 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.4





#31

Cyclohexane

Concen: 54.413 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 488821

Ion Ratio Lower Upper

56 100

69 31.2 27.8 41.6

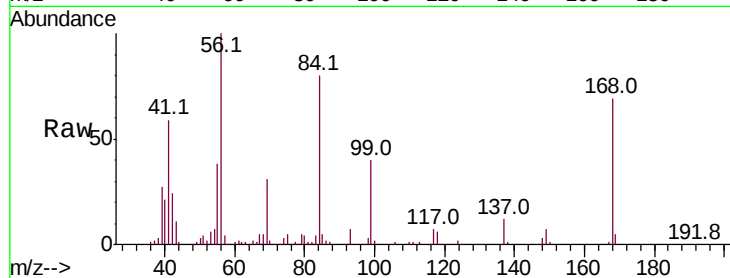
84 78.9 74.6 111.8

Manual Integrations

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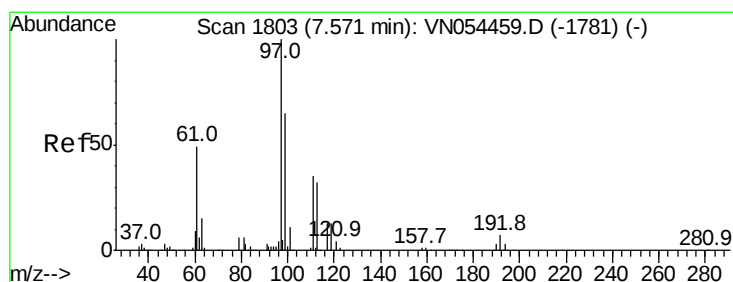
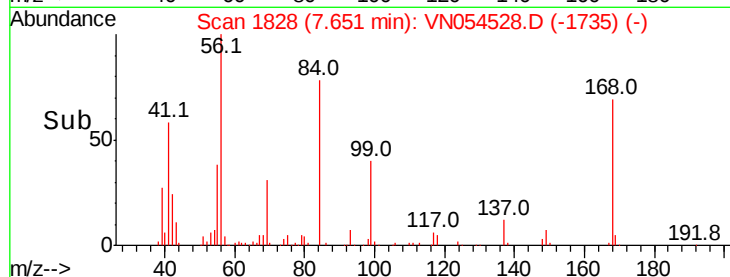
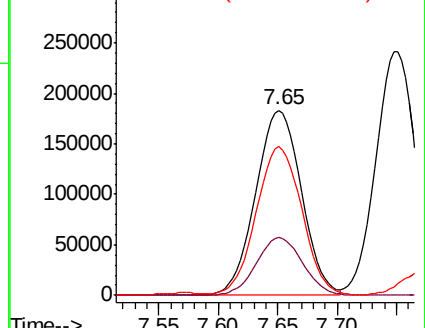
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Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 56.461 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

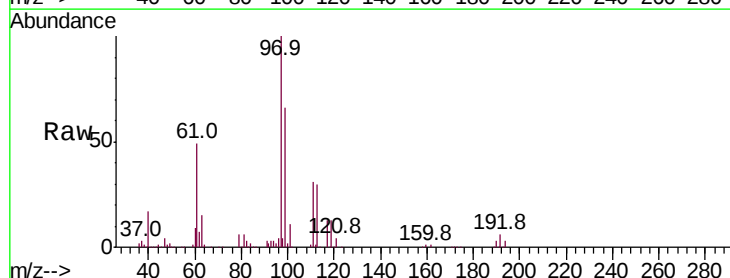
Tgt Ion: 97 Resp: 427477

Ion Ratio Lower Upper

97 100

99 64.8 51.5 77.3

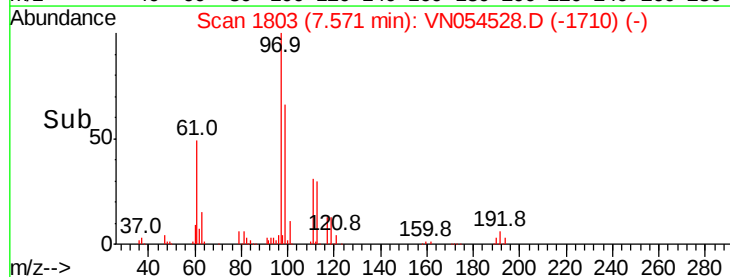
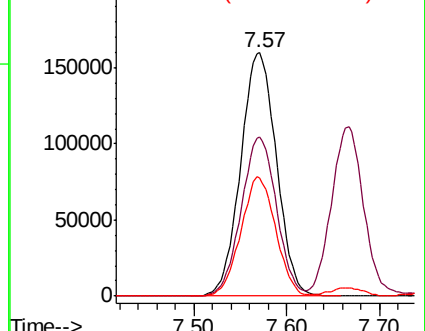
61 47.8 33.6 50.4

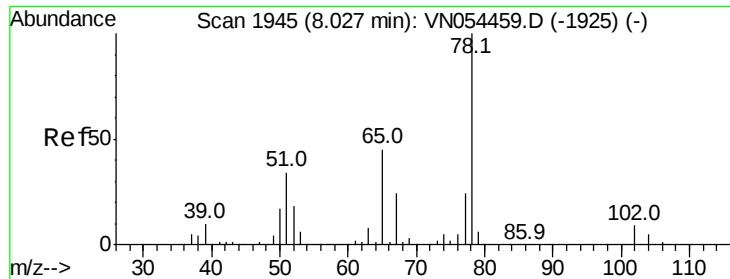


Abundance Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





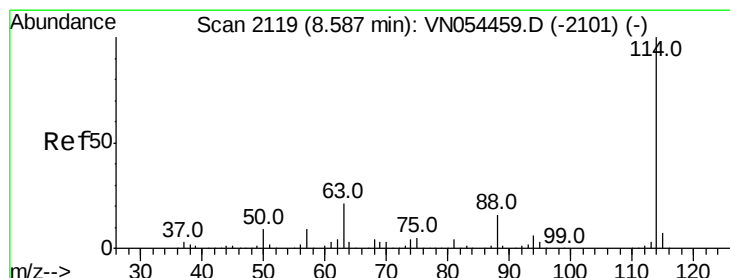
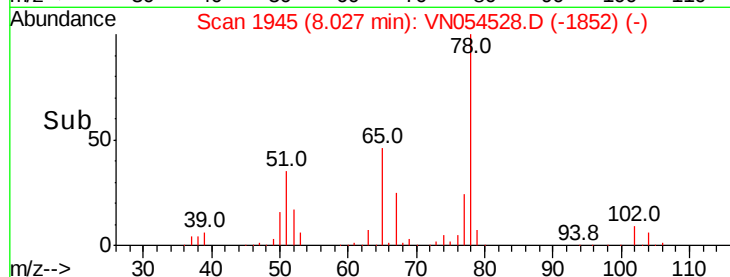
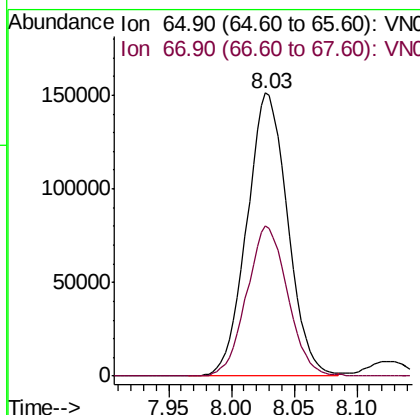
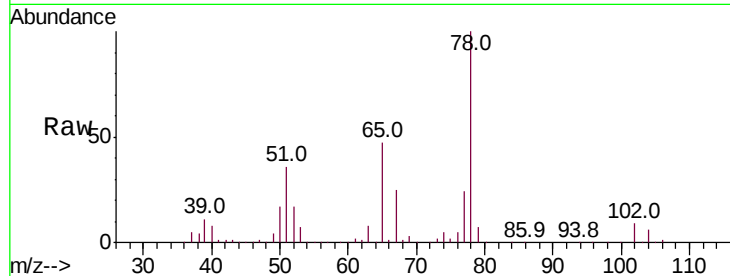
#33
 1,2-Dichloroethane-d4
 Concen: 56.495 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054528.D
 Acq: 21 Mar 2019 23:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	342564		
67	53.2	0.0	104.6	

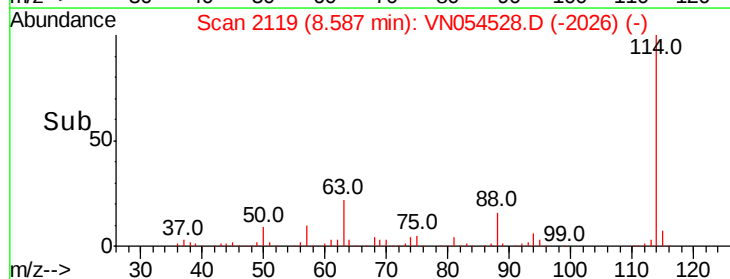
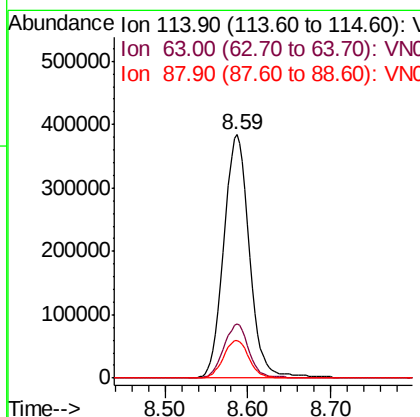
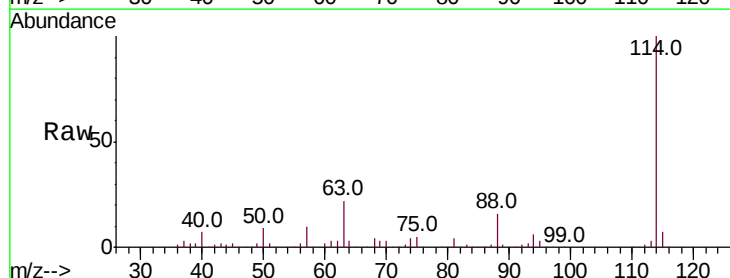
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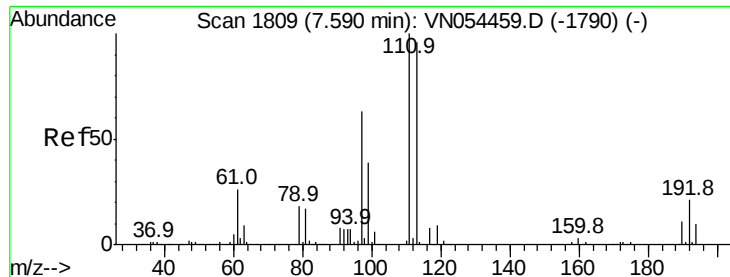
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054528.D
 Acq: 21 Mar 2019 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	825547		
63	22.2	0.0	35.2	
88	15.6	0.0	30.2	





#35

Dibromofluoromethane

Concen: 51.937 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

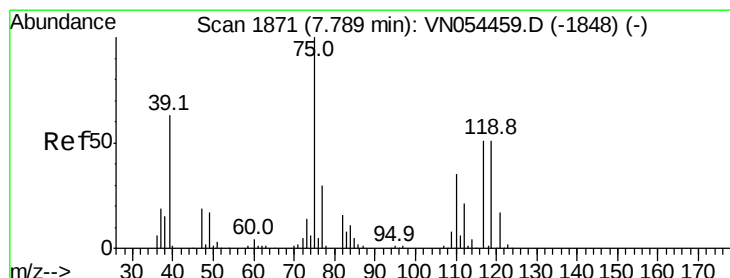
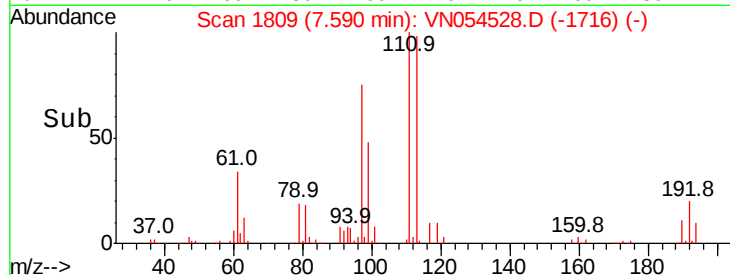
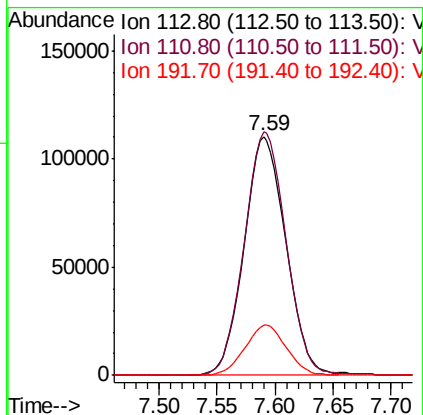
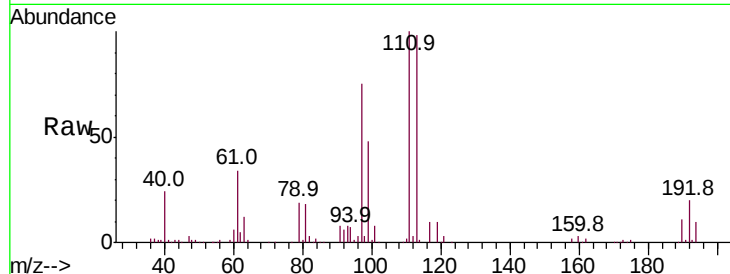
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	276233
Ion Ratio	Lower	Upper	
113	100		
111	102.7	82.2	123.4
192	21.1	19.2	28.8

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#36

1,1-Dichloropropene

Concen: 49.862 ug/l

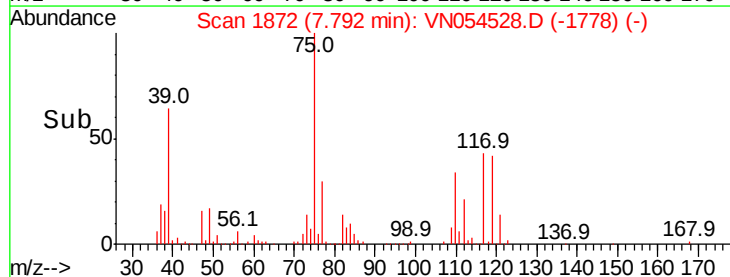
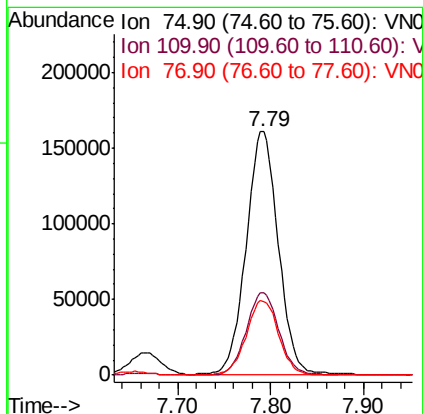
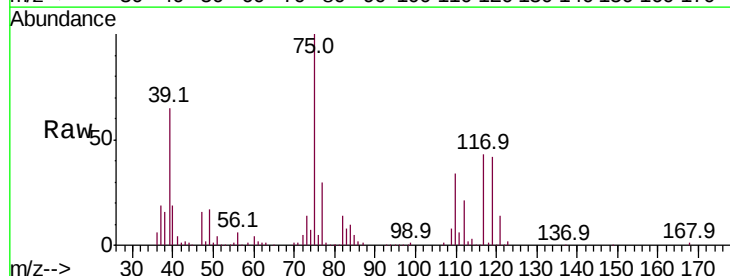
RT: 7.79 min Scan# 1872

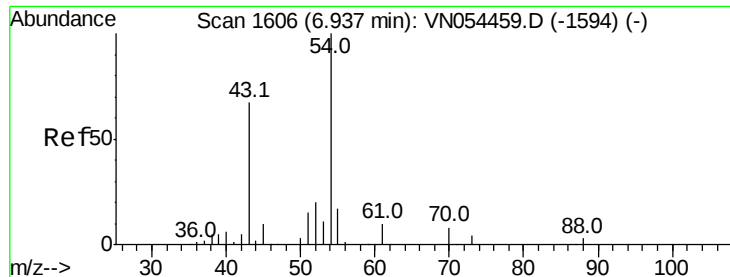
Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Tgt Ion:	75	Resp:	384879
Ion Ratio	Lower	Upper	
75	100		
110	34.8	19.1	57.5
77	31.1	25.0	37.4





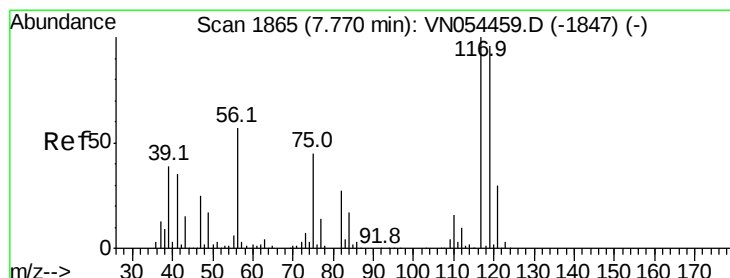
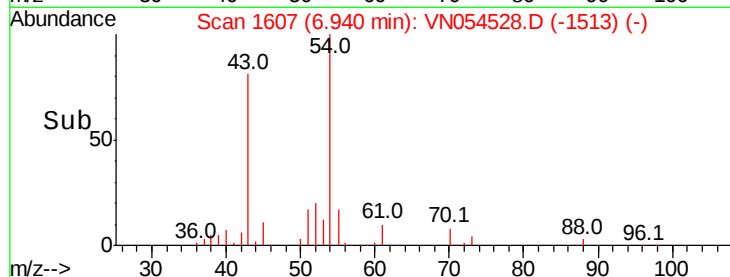
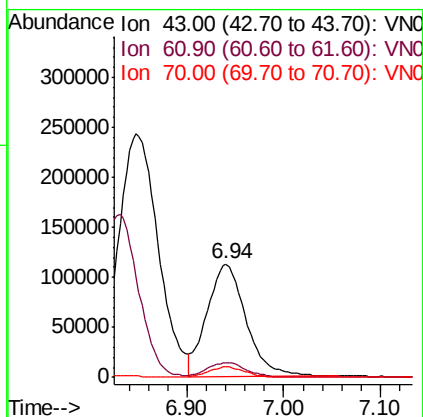
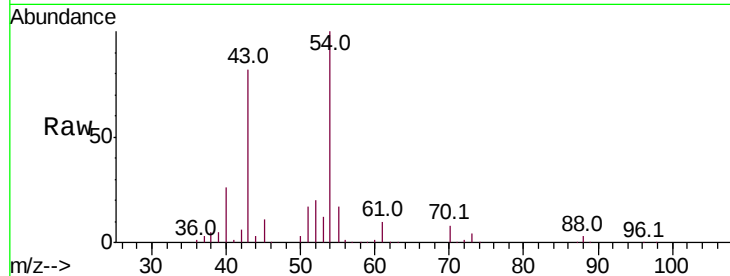
#37
Ethyl Acetate
Concen: 57.228 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	11.8	17.6
70	9.0	8.4	12.6

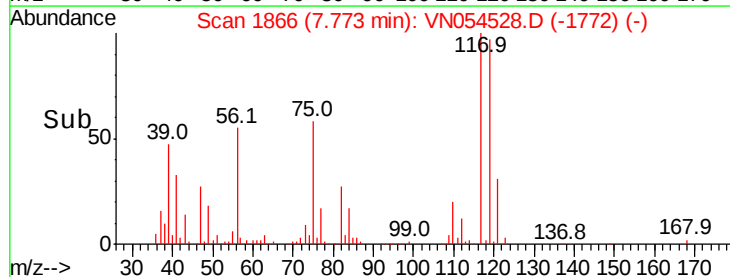
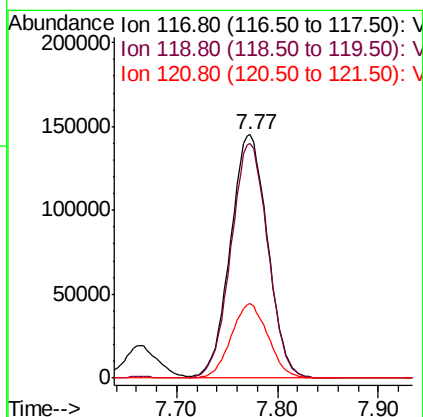
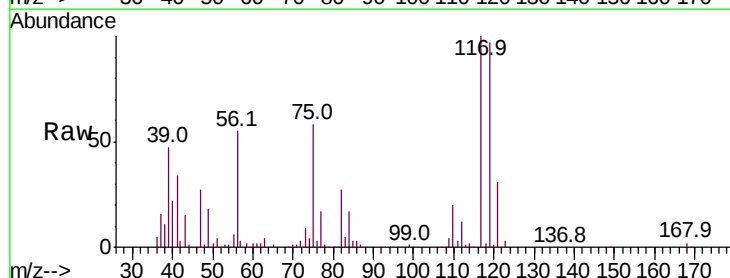
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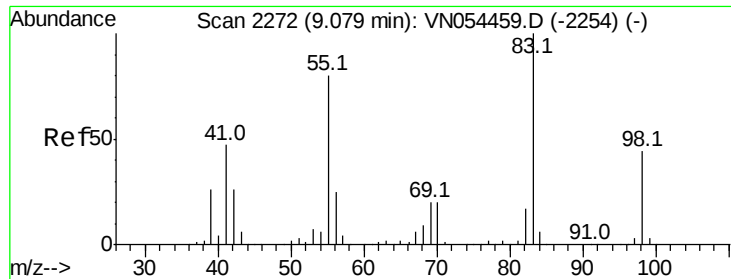
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#38
Carbon Tetrachloride
Concen: 49.524 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.3	114.5
121	30.5	24.6	36.8





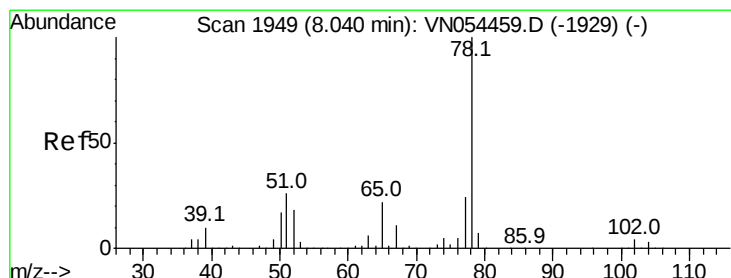
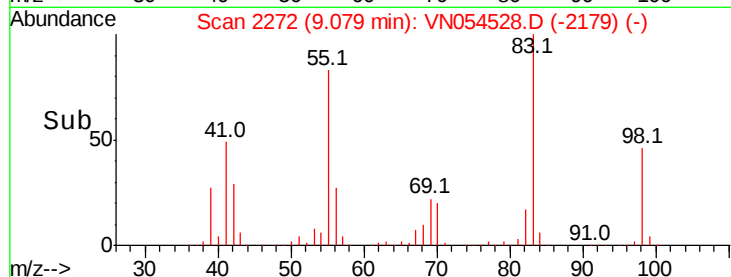
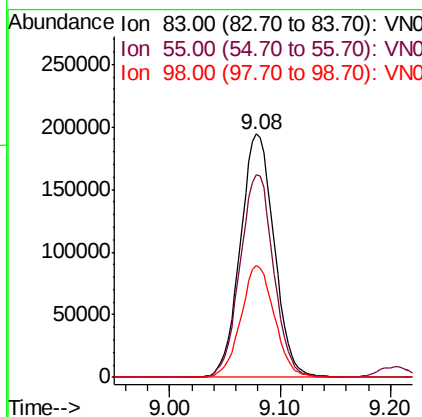
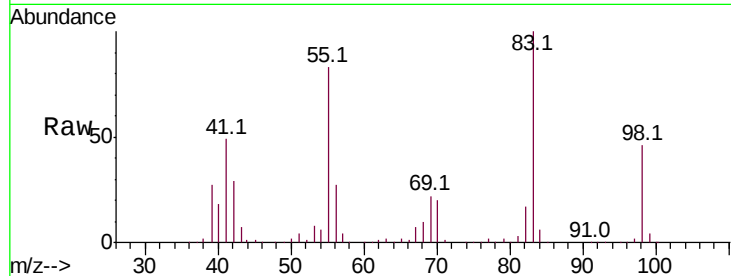
#39
Methvlcvclohexane
Concen: 46.770 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.1	56.6	84.8
98	45.8	38.4	57.6

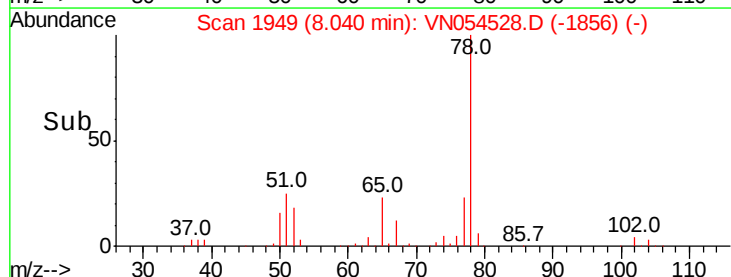
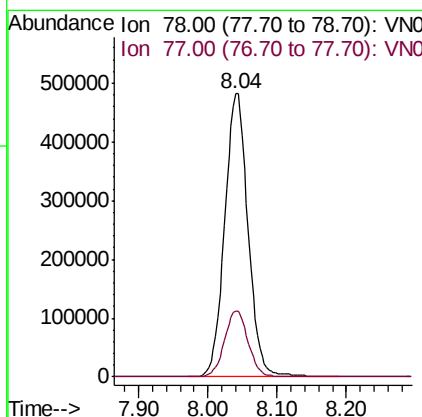
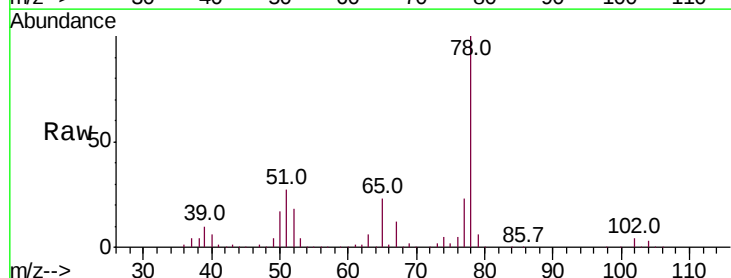
Manual Integrations
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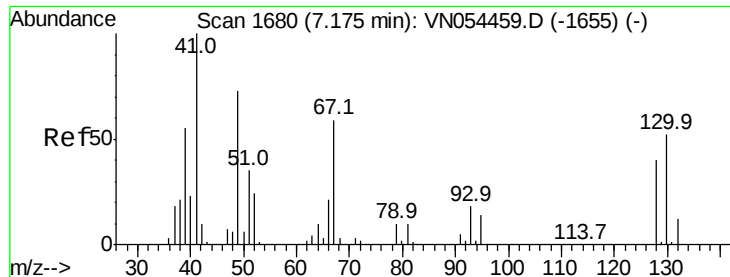
MMDadoda
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#40
Benzene
Concen: 51.506 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7





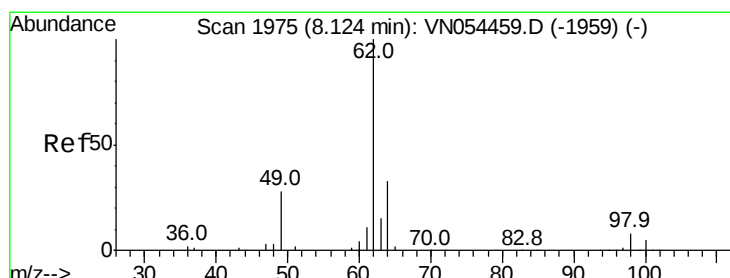
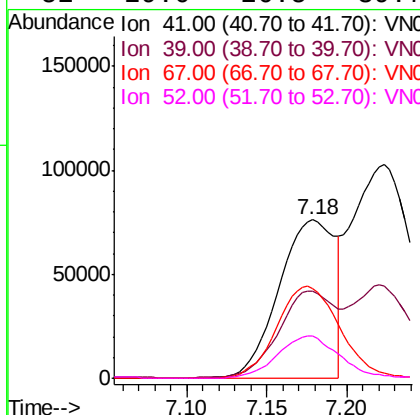
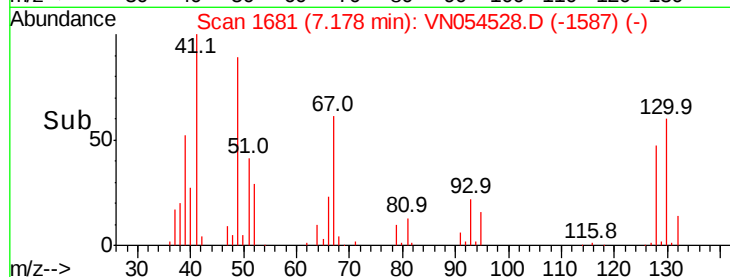
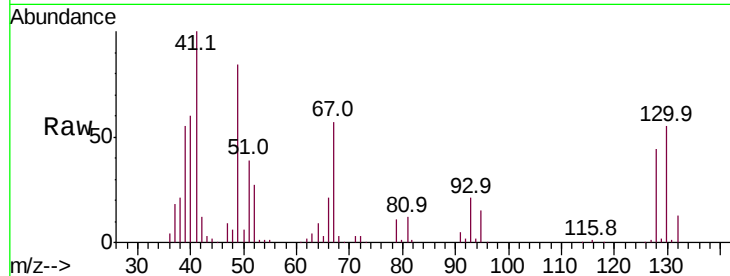
#41
Methacrylonitrile
Concen: 55.816 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.5	46.8	70.2
67	65.3	67.0	100.4
52	29.0	26.5	39.7

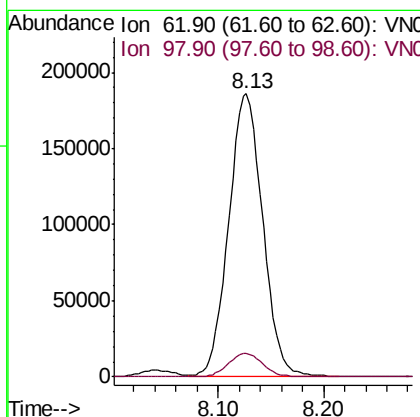
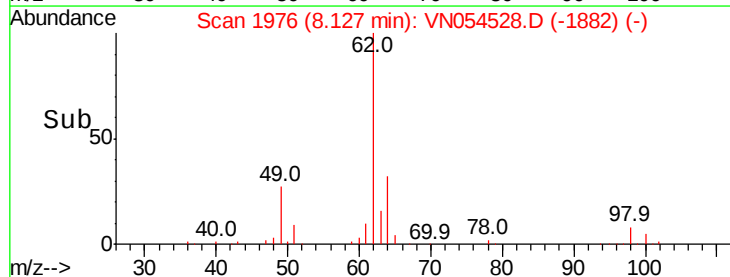
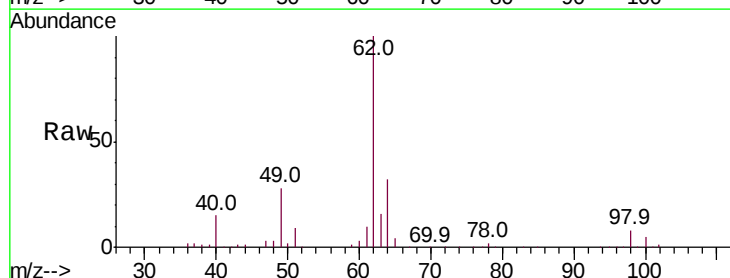
Manual Integrations
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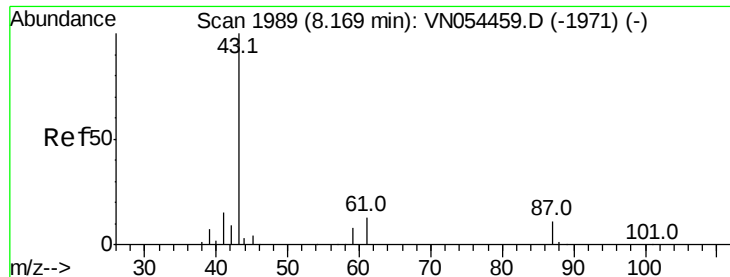
MMDadoda
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#42
1,2-Dichloroethane
Concen: 51.452 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.4





#43

Isopropyl Acetate

Concen: 56.782 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

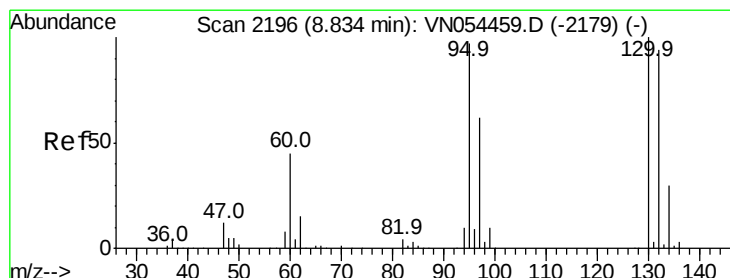
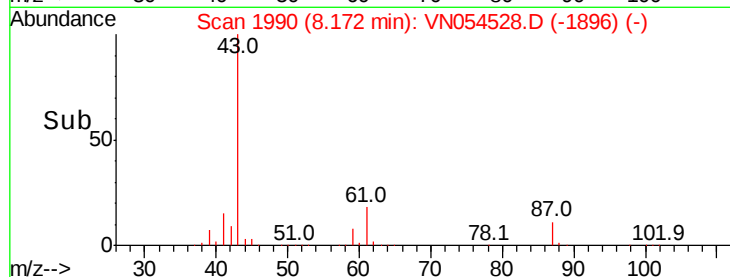
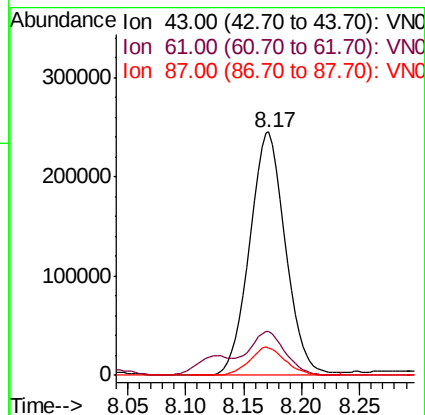
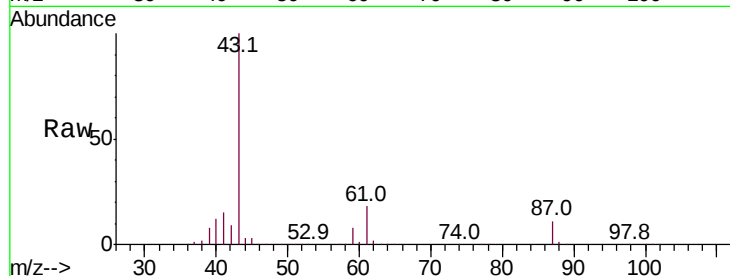
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	526464
Ion	Ratio	Lower	Upper
43	100		
61	17.3	15.8	23.8
87	11.5	12.0	18.0#

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#44

Trichloroethene

Concen: 49.429 ug/l

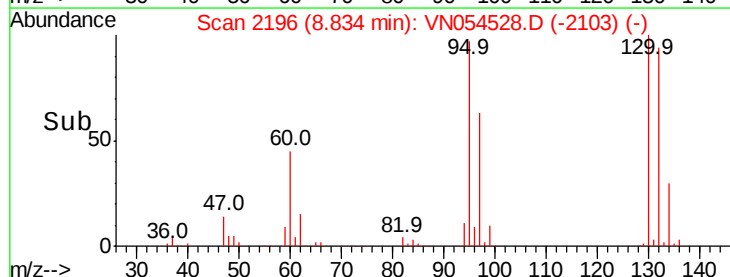
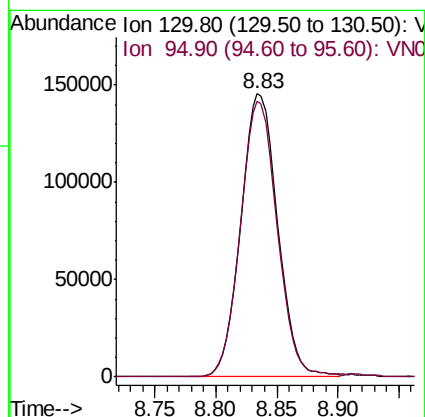
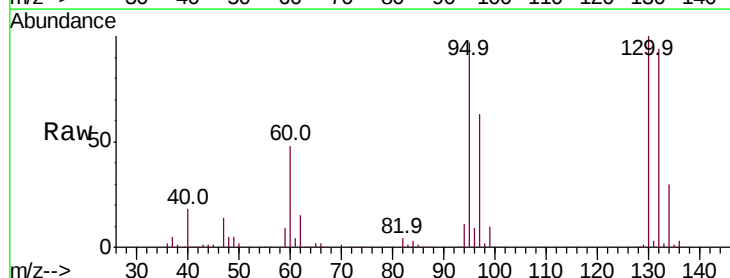
RT: 8.83 min Scan# 2196

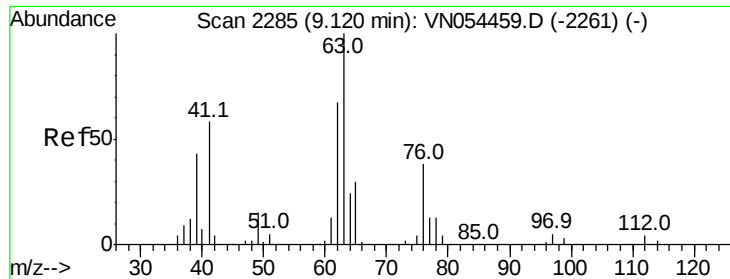
Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Tgt Ion:	130	Resp:	303326
Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	185.2





#45

1,2-Dichloropropane

Concen: 54.069 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 320466

Ion Ratio Lower Upper

63 100

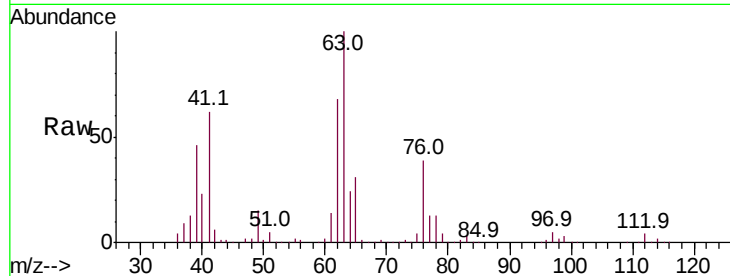
65 31.4 25.0 37.6

Manual Integrations

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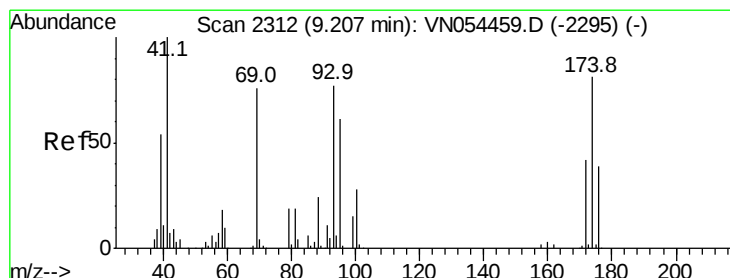
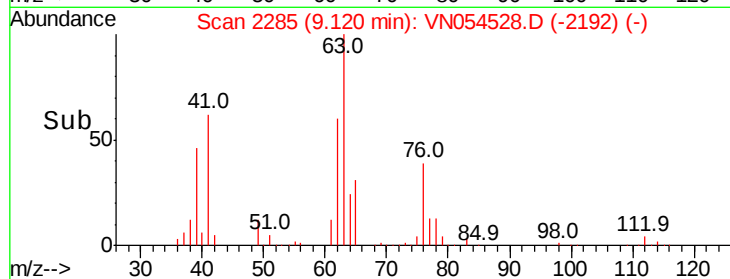
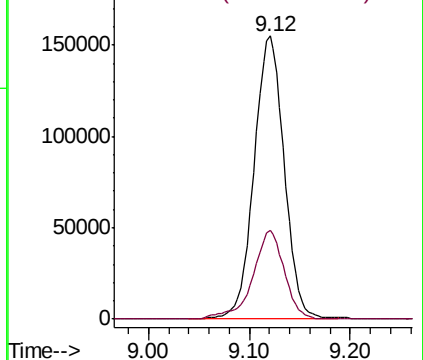
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 52.704 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

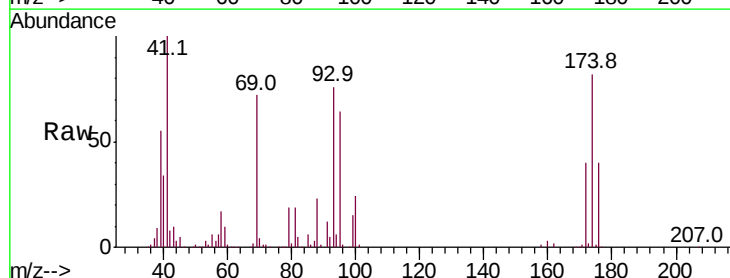
Tgt Ion: 93 Resp: 186355

Ion Ratio Lower Upper

93 100

95 84.2 66.7 100.1

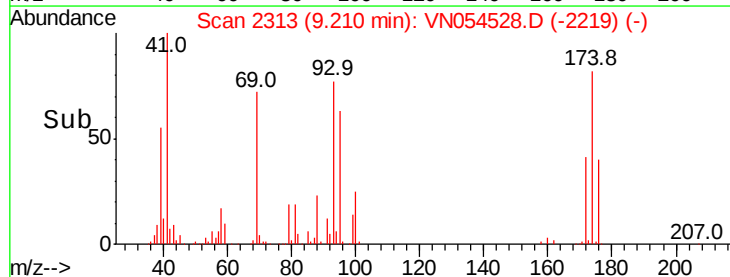
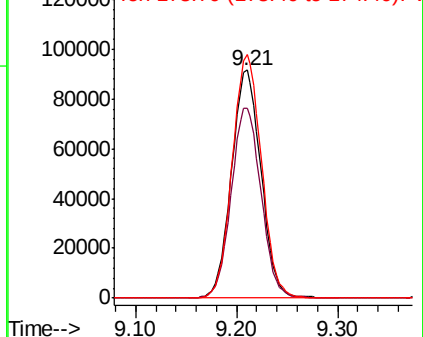
174 105.8 98.5 147.7

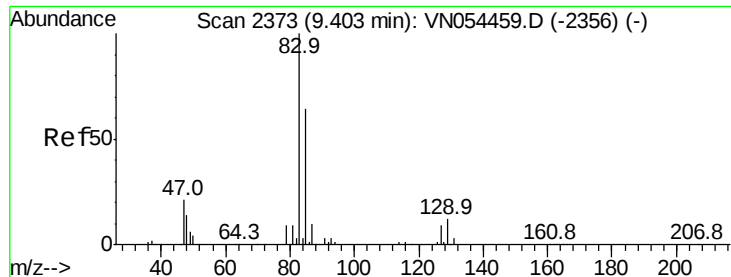


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.262 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

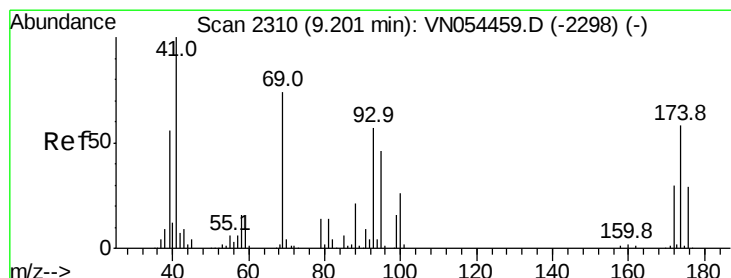
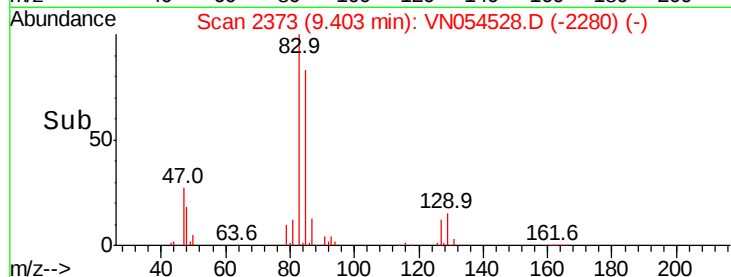
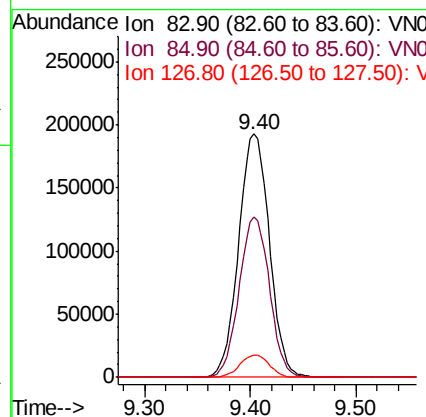
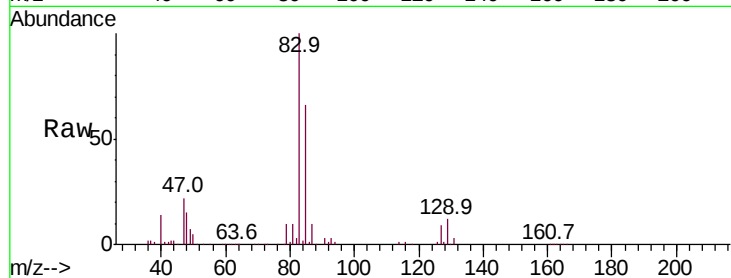
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	390846
Ion Ratio	Lower	Upper	
83	100		
85	65.9	52.8	79.2
127	9.2	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.821 ug/l

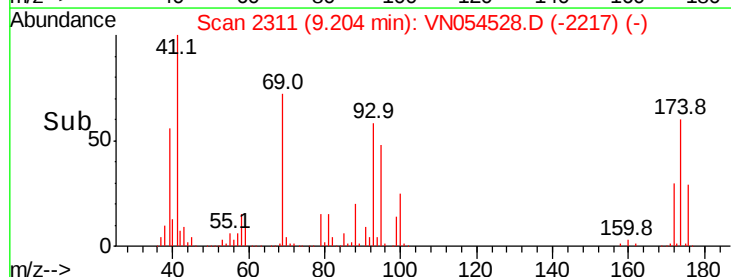
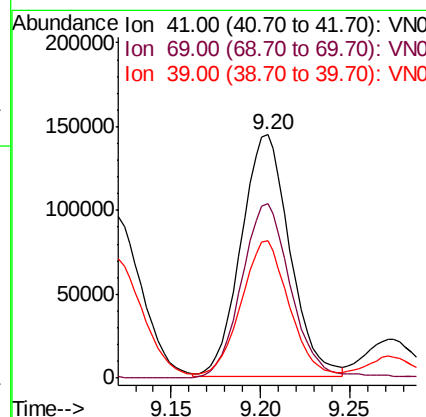
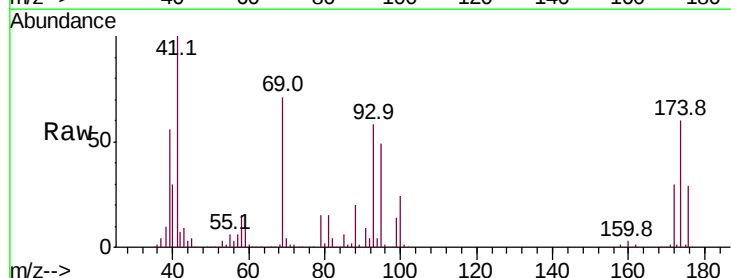
RT: 9.20 min Scan# 2311

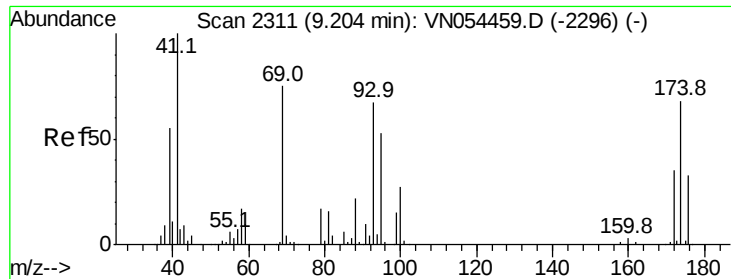
Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Tgt Ion:	41	Resp:	275880
Ion Ratio	Lower	Upper	
41	100		
69	73.7	72.6	108.8
39	55.6	47.5	71.3





#49

1,4-Dioxane

Concen: 1076.698 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 60574

Ion Ratio Lower Upper

88 100

43 41.6 24.1 36.1#

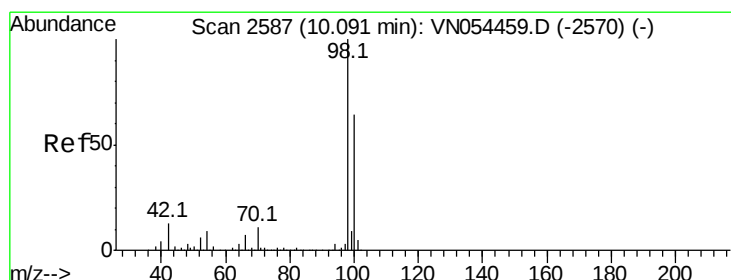
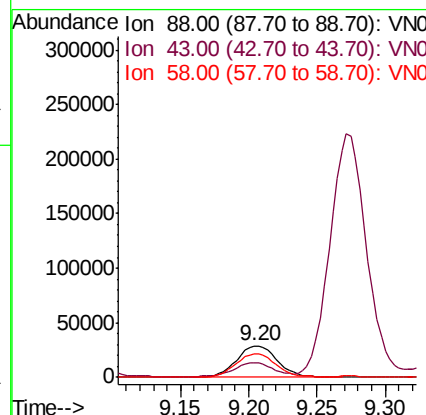
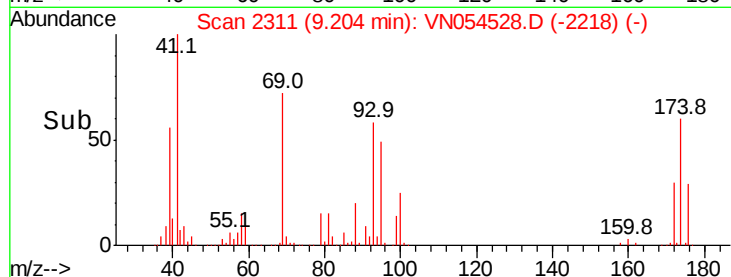
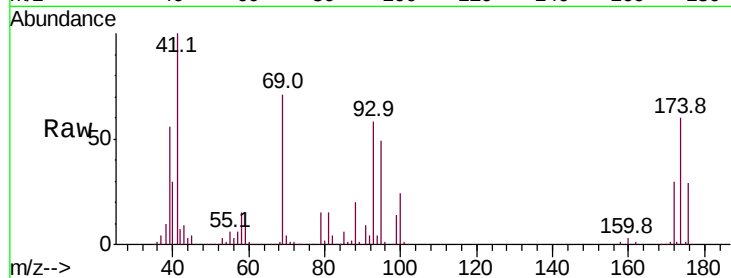
58 75.6 50.8 76.2

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#50

Toluene-d8

Concen: 50.599 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054528.D

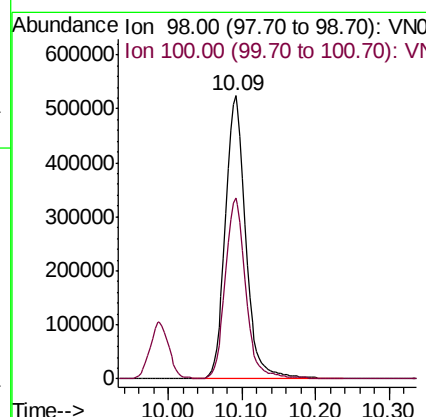
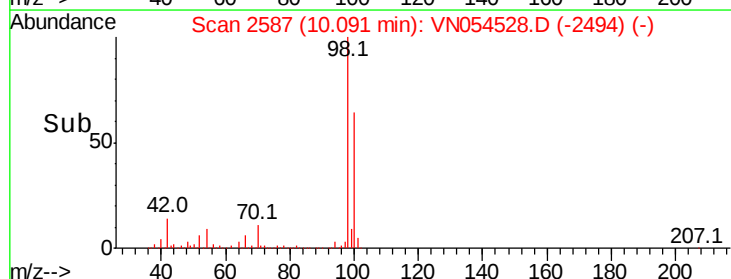
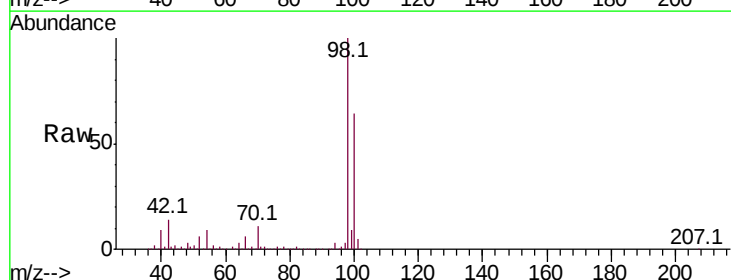
Acq: 21 Mar 2019 23:30

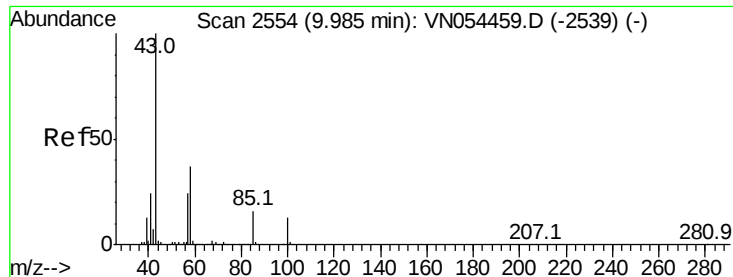
Tgt Ion: 98 Resp: 1011713

Ion Ratio Lower Upper

98 100

100 63.8 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 290.955 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1495060

Ion Ratio Lower Upper

43 100

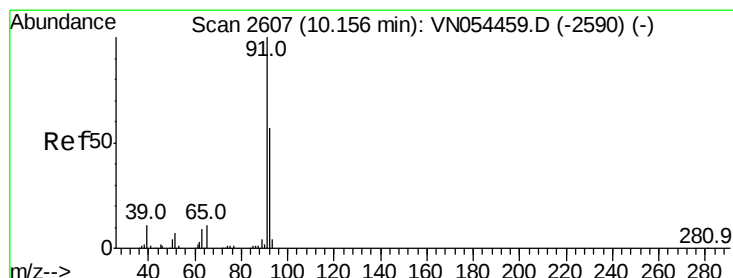
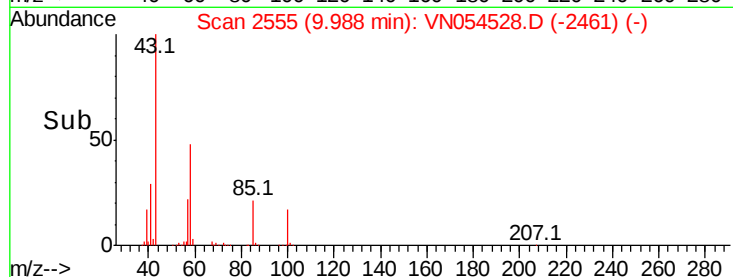
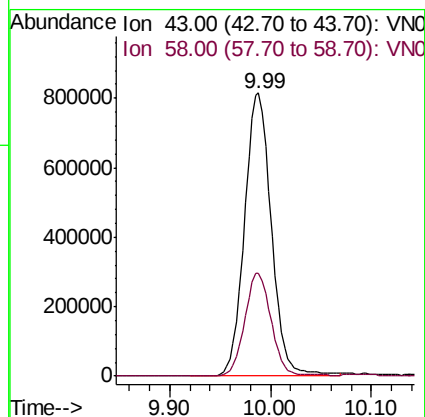
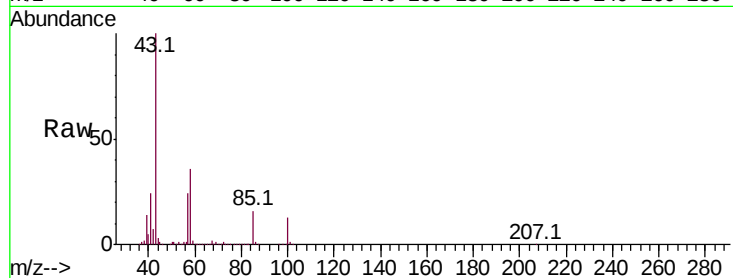
58 36.1 31.8 47.6

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#52

Toluene

Concen: 49.823 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054528.D

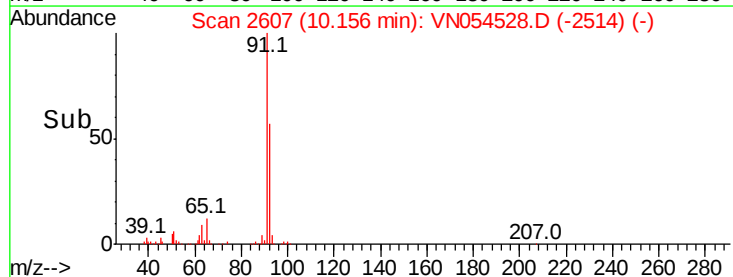
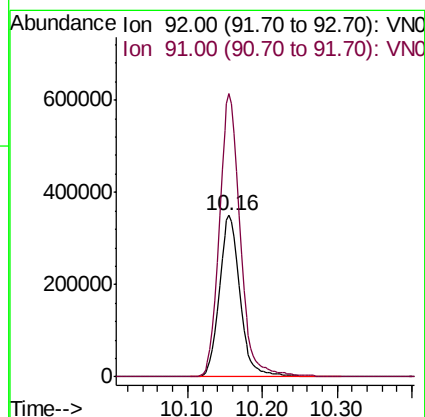
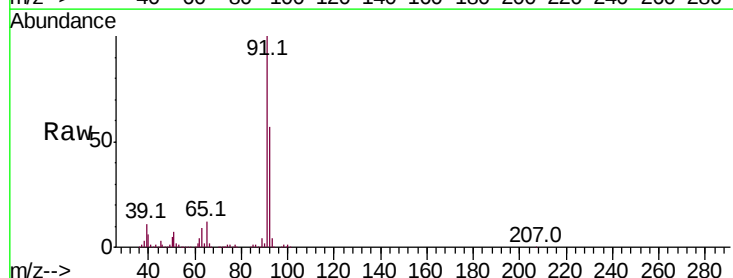
Acq: 21 Mar 2019 23:30

Tgt Ion: 92 Resp: 676388

Ion Ratio Lower Upper

92 100

91 176.0 140.7 211.1





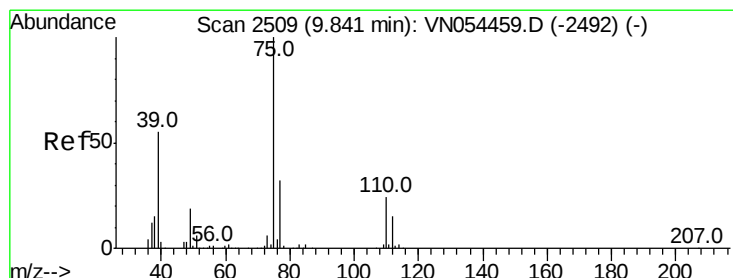
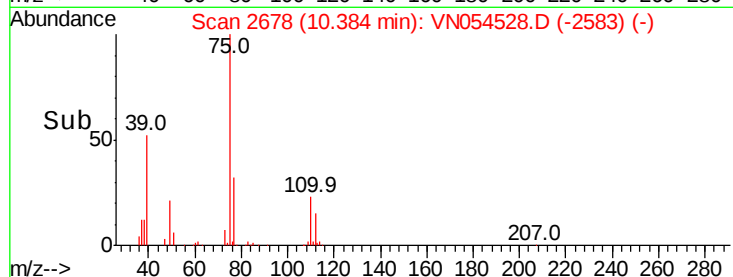
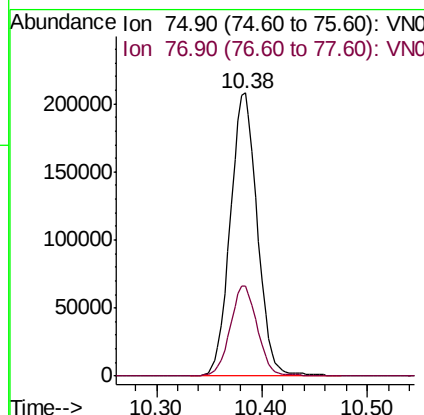
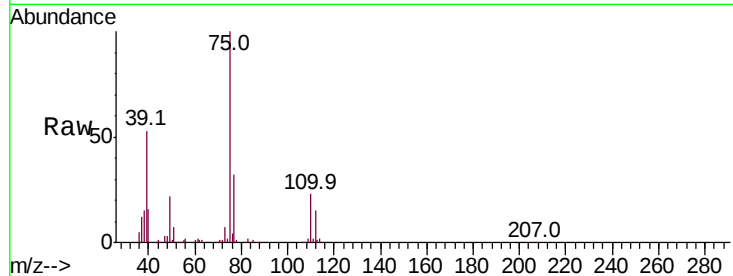
#53
t-1,3-Dichloropropene
Concen: 47.813 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 369328
Ion Ratio Lower Upper
75 100
77 31.4 25.8 38.8

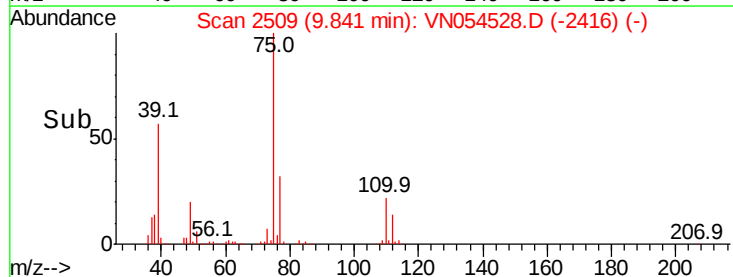
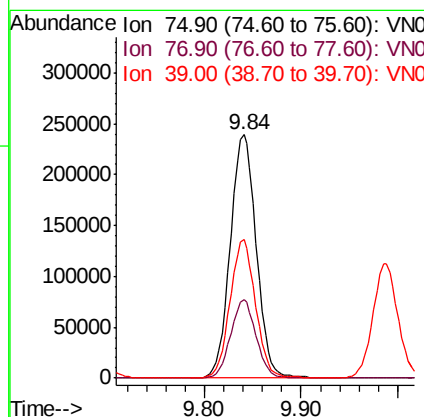
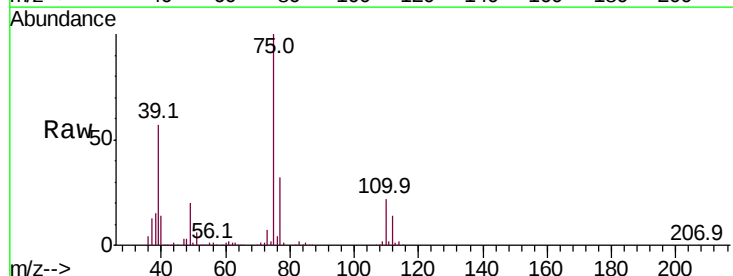
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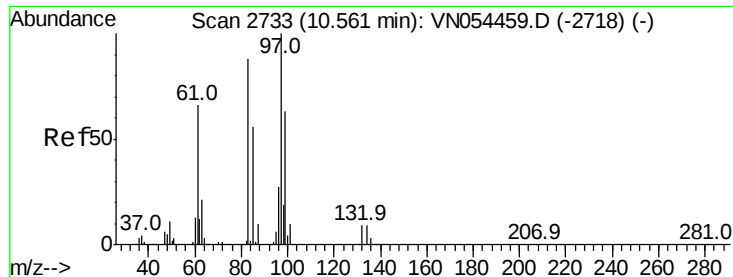
MMDadoda
3/22/2019 4:22:55 PM



#54
cis-1,3-Dichloropropene
Concen: 53.107 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Tgt Ion: 75 Resp: 446844
Ion Ratio Lower Upper
75 100
77 32.4 25.4 38.0
39 56.6 37.2 55.8#





#55

1,1,2-Trichloroethane

Concen: 52.524 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

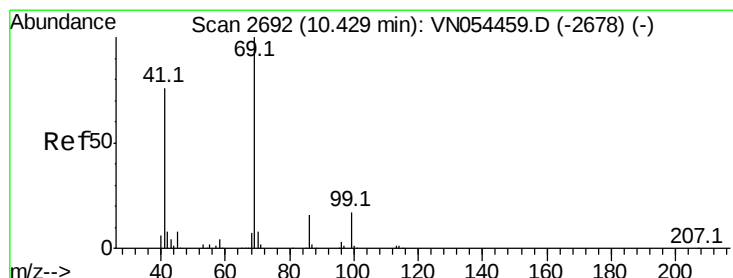
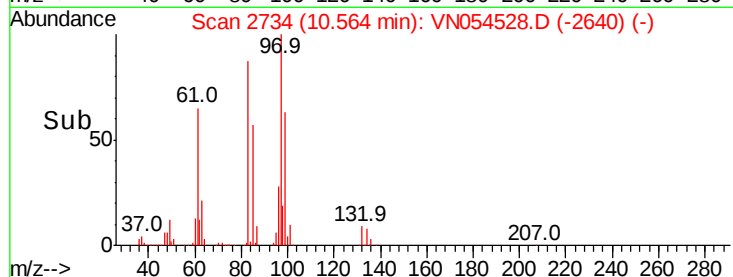
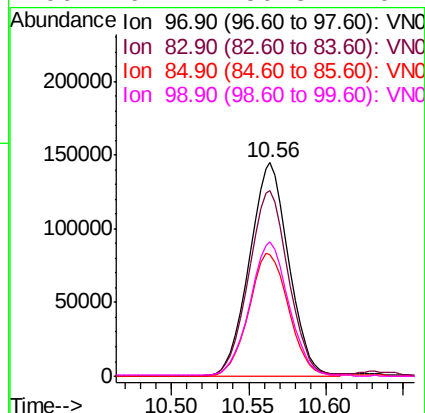
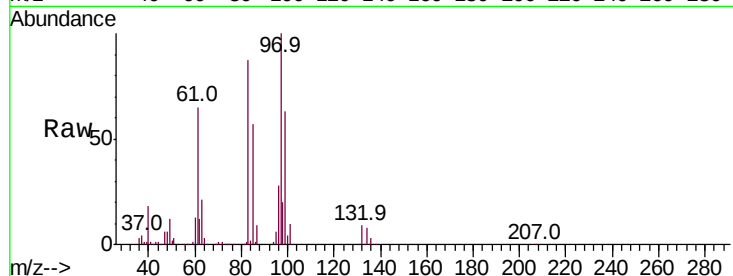
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	256314
Ion Ratio	Lower	Upper	
97	100		
83	86.8	66.6	100.0
85	57.2	44.4	66.6
99	62.4	50.8	76.2

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#56

Ethyl methacrylate

Concen: 55.165 ug/l

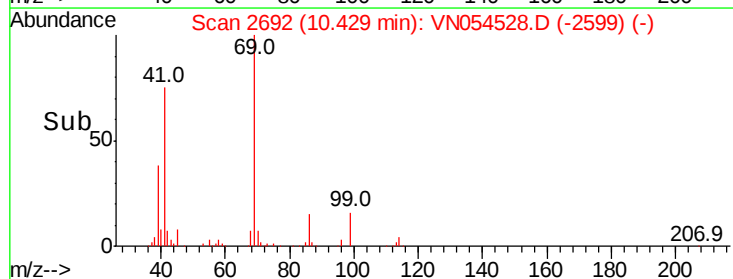
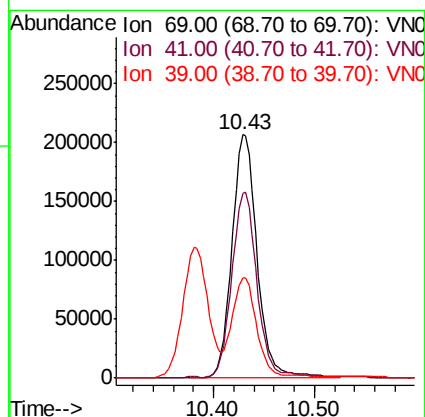
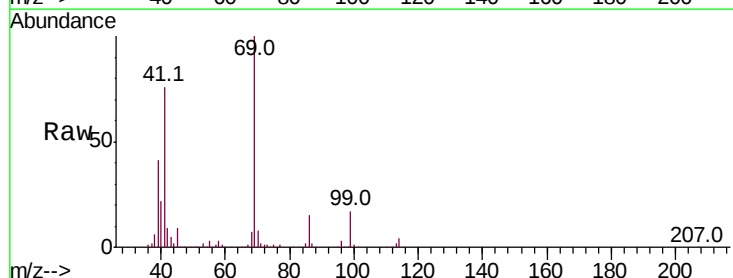
RT: 10.43 min Scan# 2692

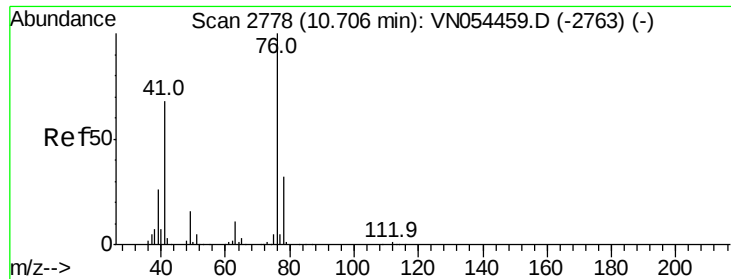
Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Tgt Ion:	69	Resp:	361327
Ion Ratio	Lower	Upper	
69	100		
41	75.9	49.4	74.2#
39	40.6	28.3	42.5





#57

1,3-Dichloropropane

Concen: 53.176 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 451092

Ion Ratio Lower Upper

76 100

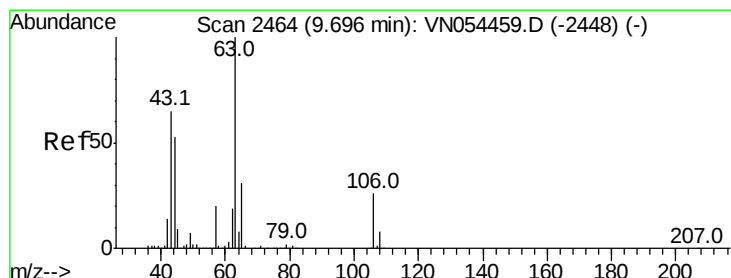
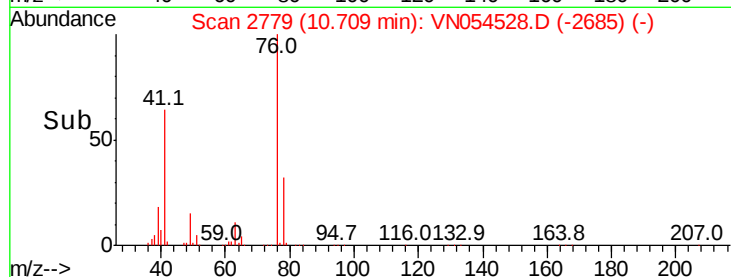
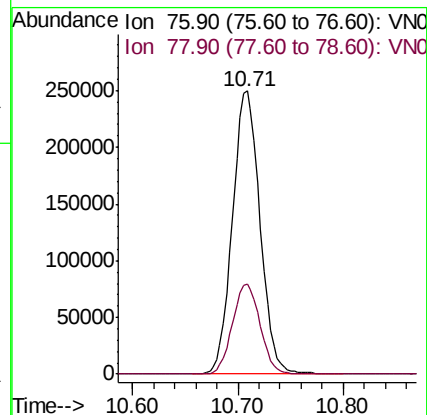
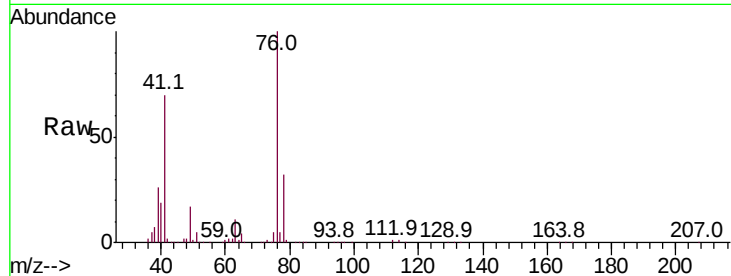
78 32.1 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 263.842 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054528.D

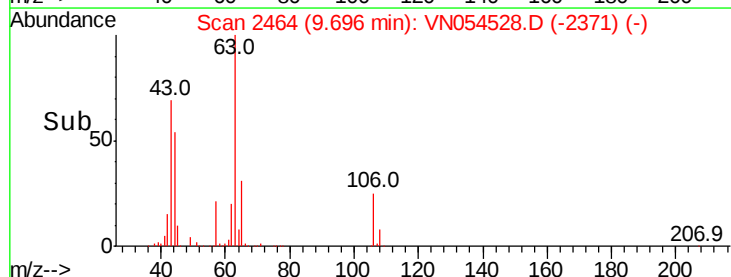
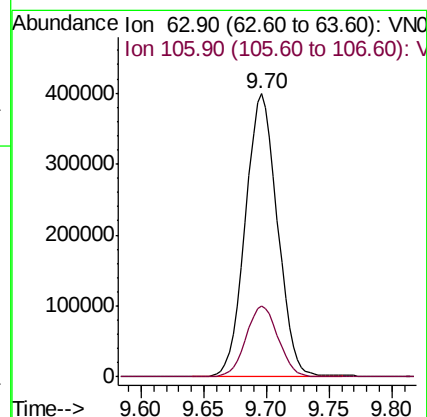
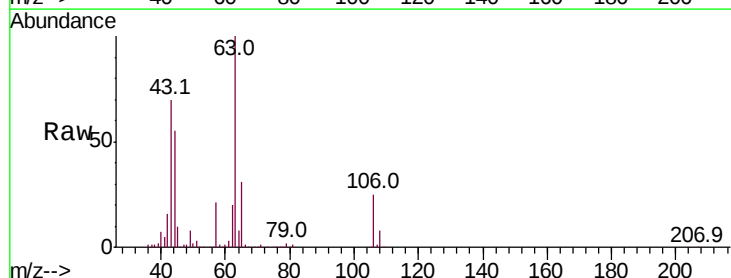
Acq: 21 Mar 2019 23:30

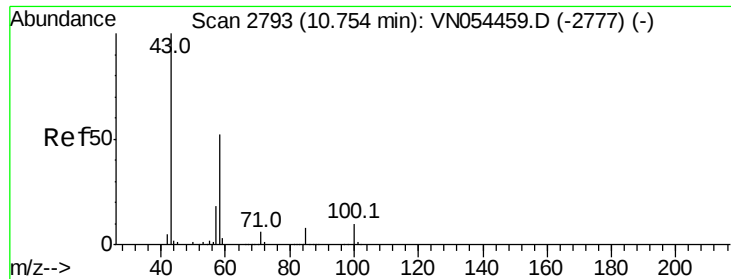
Tgt Ion: 63 Resp: 711610

Ion Ratio Lower Upper

63 100

106 25.0 24.4 36.6





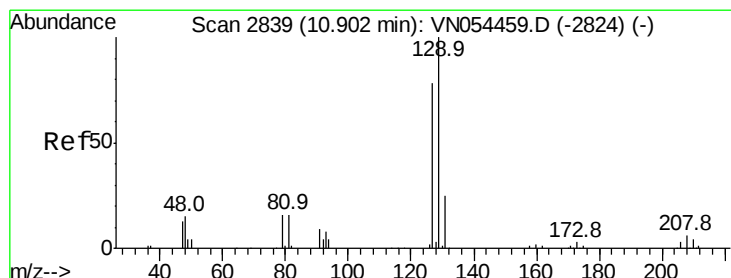
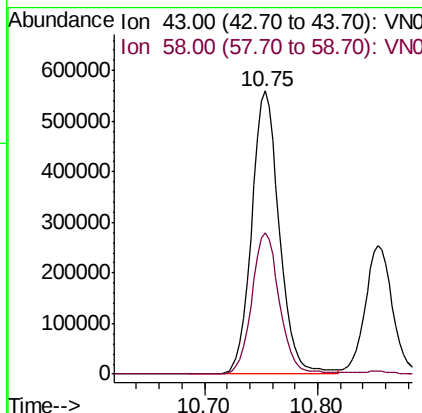
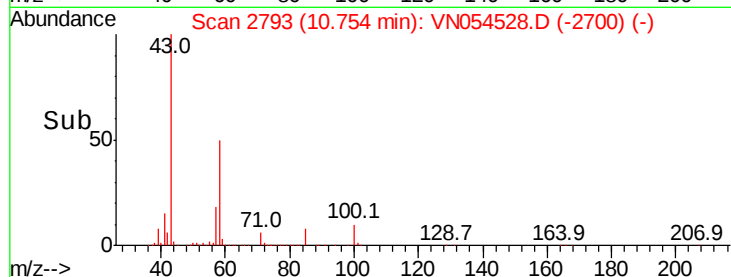
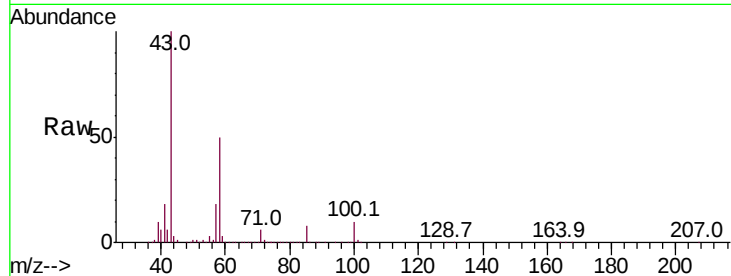
#59
2-Hexanone
Concen: 282.547 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 948335
Ion Ratio Lower Upper
43 100
58 50.3 28.0 83.9

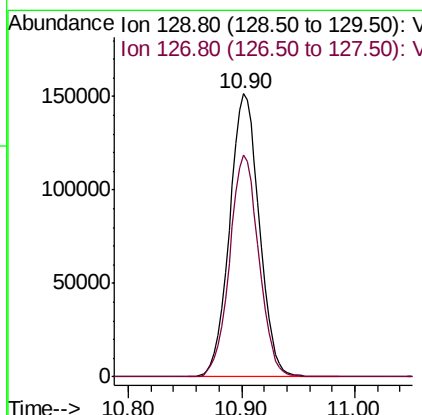
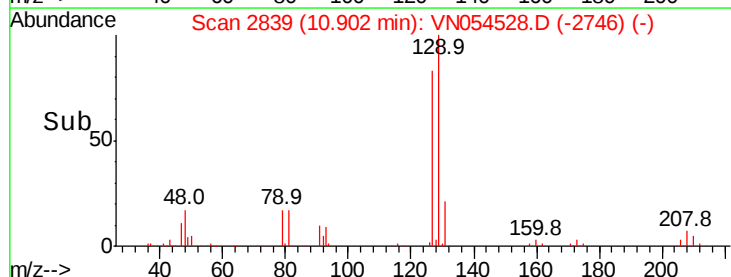
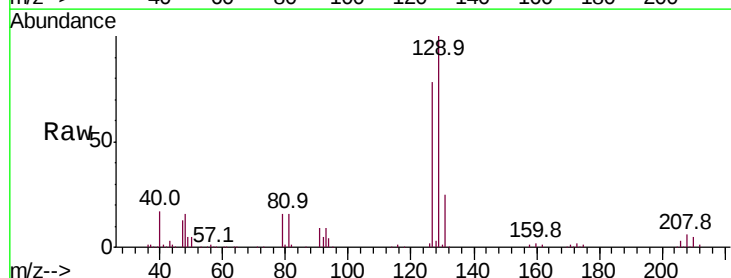
Manual Integrations
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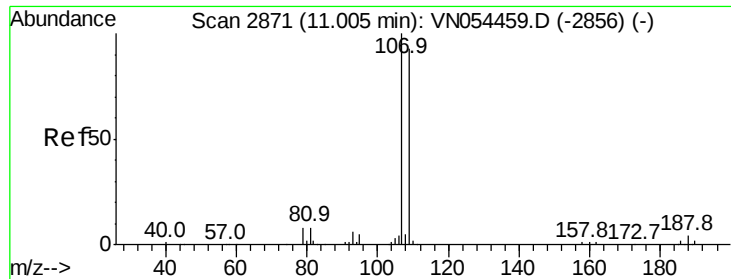
MMDadoda
3/22/2019 4:22:55 PM



#60
Dibromochloromethane
Concen: 53.235 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Tgt Ion: 129 Resp: 276438
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 52.670 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 254104

Ion Ratio Lower Upper

107 100

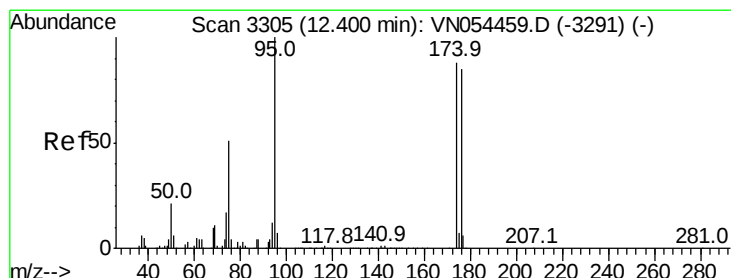
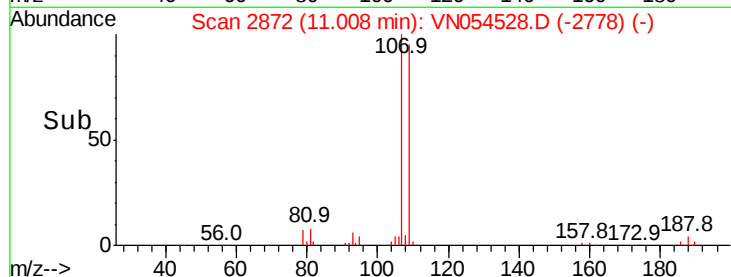
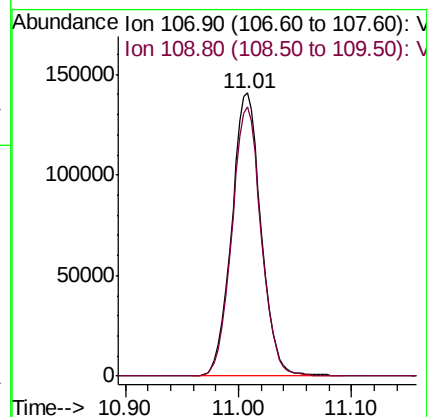
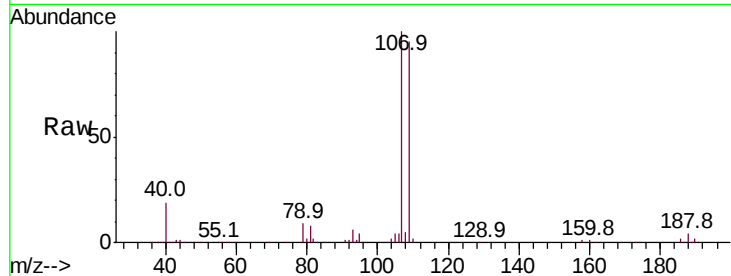
109 95.1 75.9 113.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 49.853 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

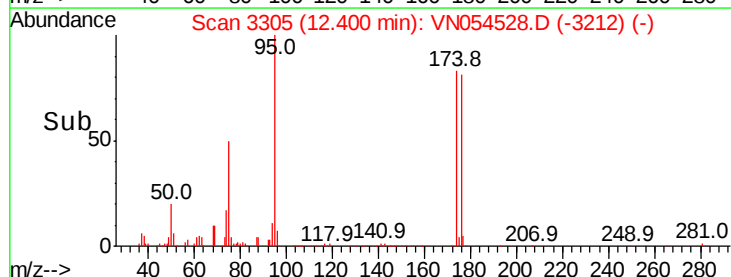
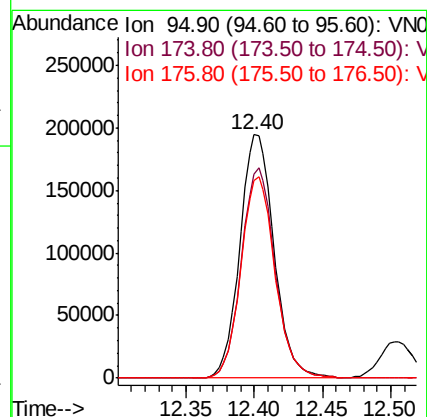
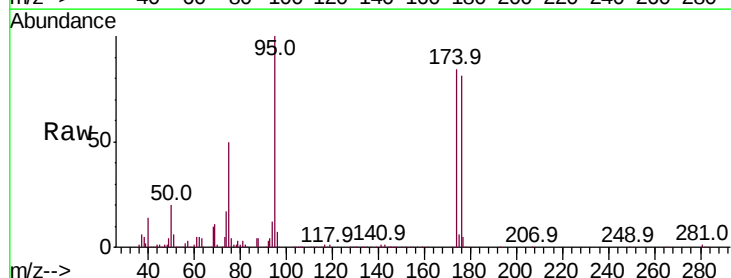
Tgt Ion: 95 Resp: 339194

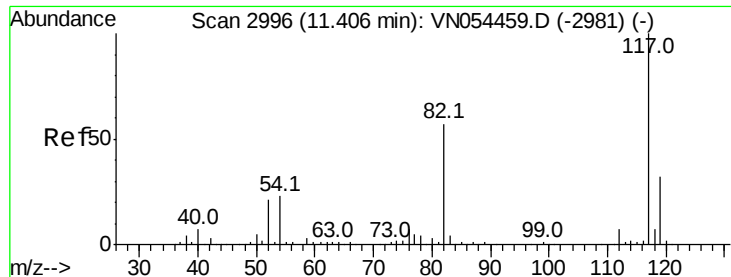
Ion Ratio Lower Upper

95 100

174 85.1 0.0 191.0

176 82.4 0.0 187.4





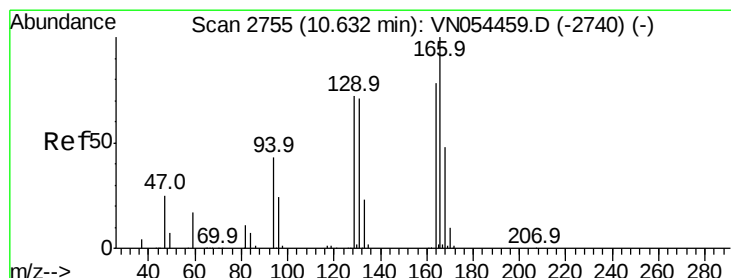
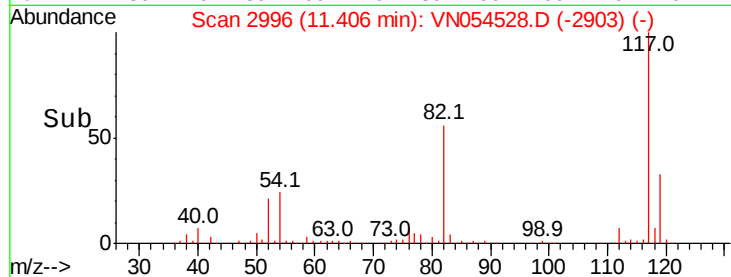
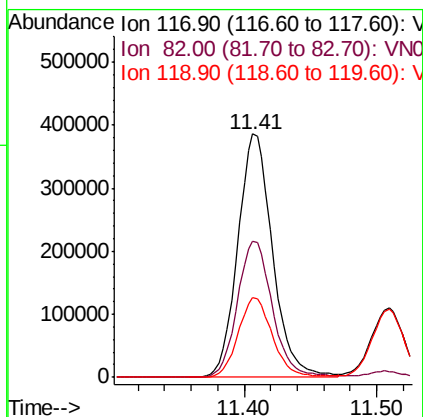
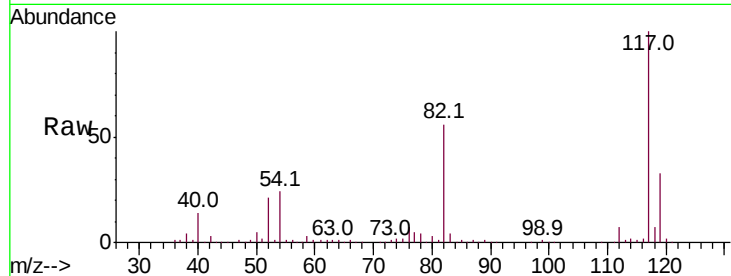
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	40.0	60.0
119	32.6	25.8	38.6

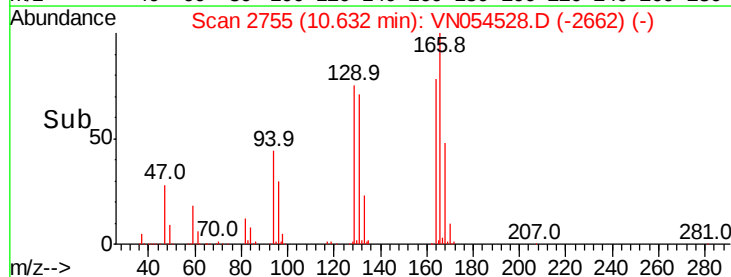
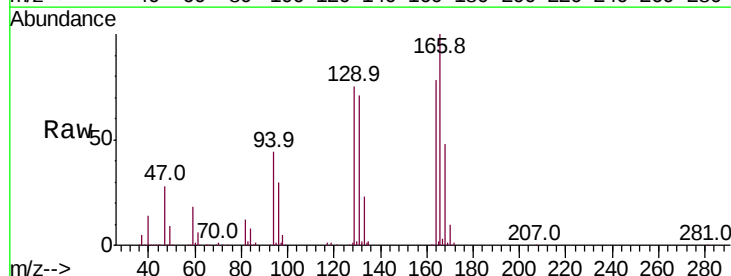
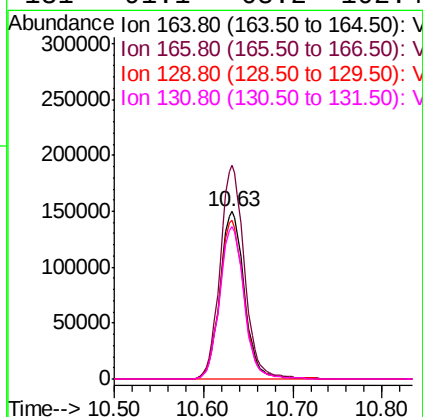
Manual Integrations
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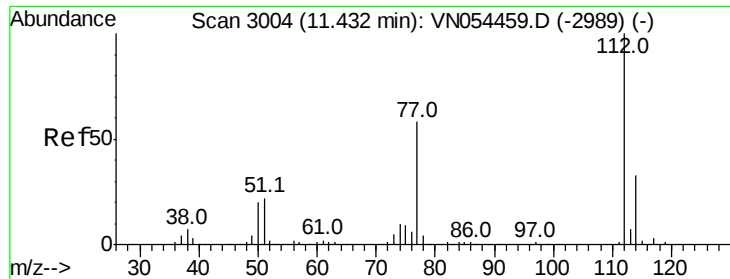
MMDadoda
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#64
Tetrachloroethene
Concen: 48.674 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	103.9	155.9
129	95.3	71.1	106.7
131	91.1	68.2	102.4





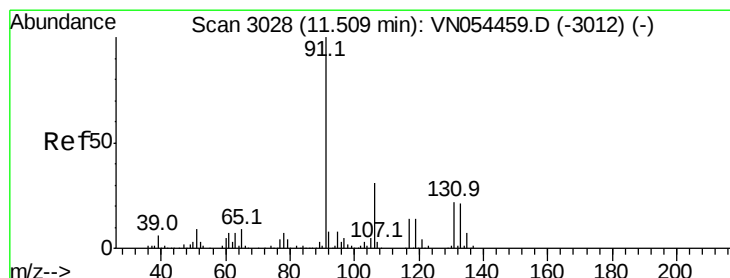
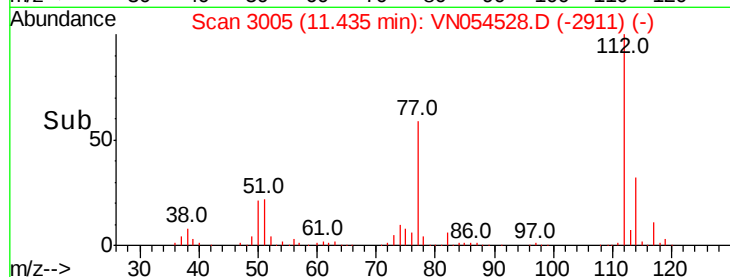
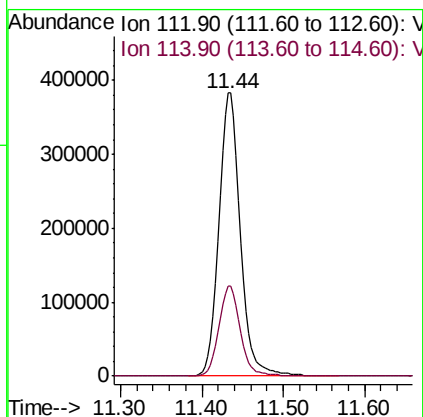
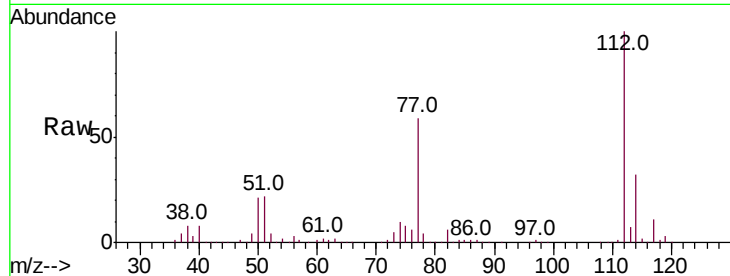
#65
Chlorobenzene
Concen: 49.805 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 712842
Ion Ratio Lower Upper
112 100
114 31.7 25.9 38.9

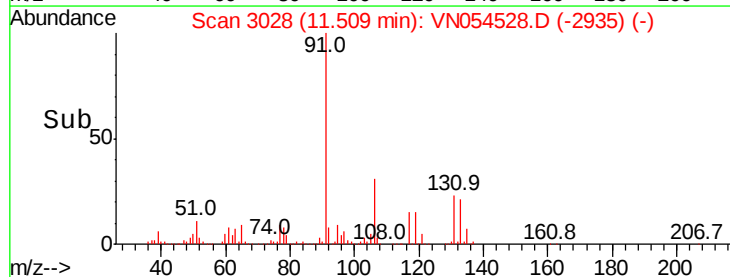
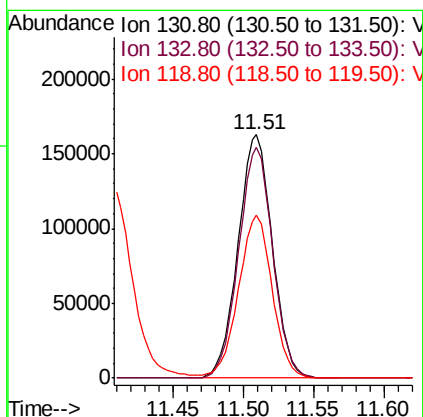
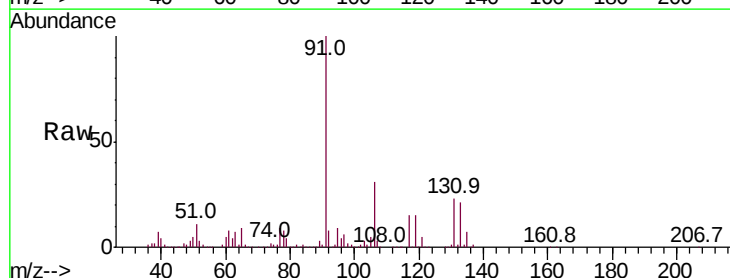
Manual Integrations
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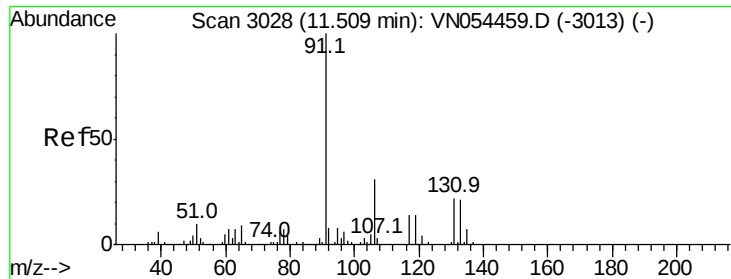
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.896 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Tgt Ion:131 Resp: 276875
Ion Ratio Lower Upper
131 100
133 94.5 47.6 142.9
119 65.9 32.4 97.0





#67

Ethyl Benzene

Concen: 49.927 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1262276

Ion Ratio Lower Upper

91 100

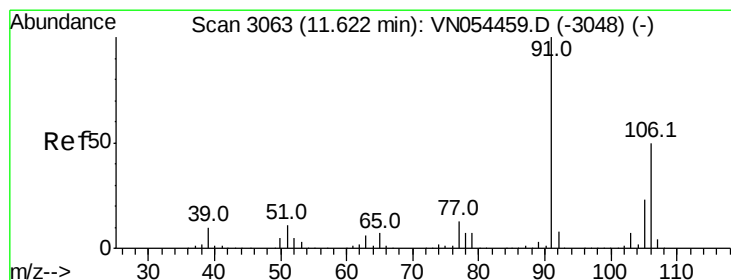
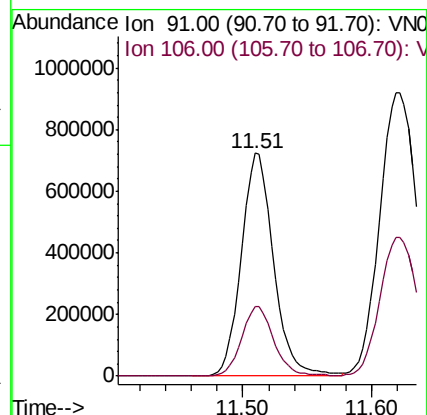
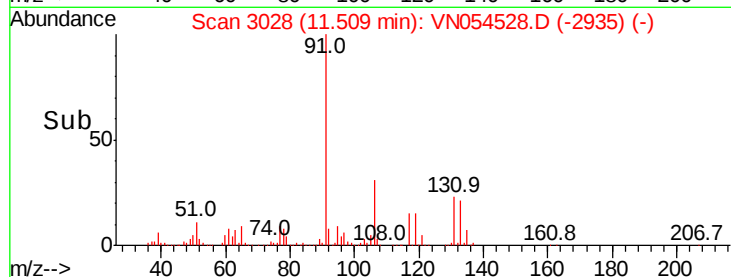
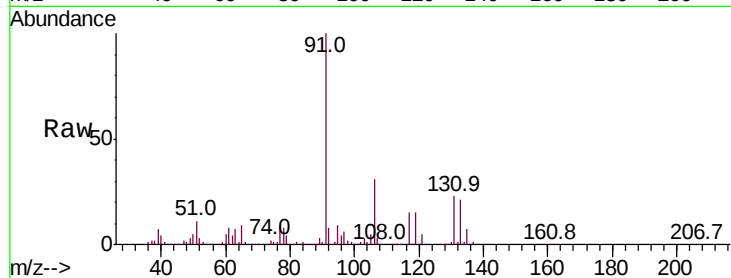
106 31.0 25.5 38.3

Manual Integrations

APPROVED

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#68

m/p-Xylenes

Concen: 98.339 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054528.D

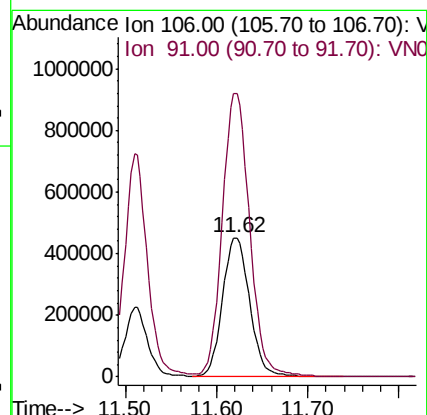
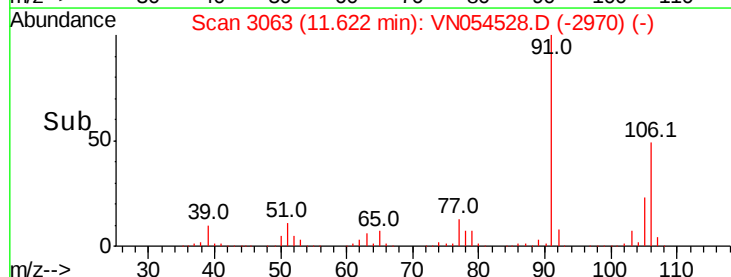
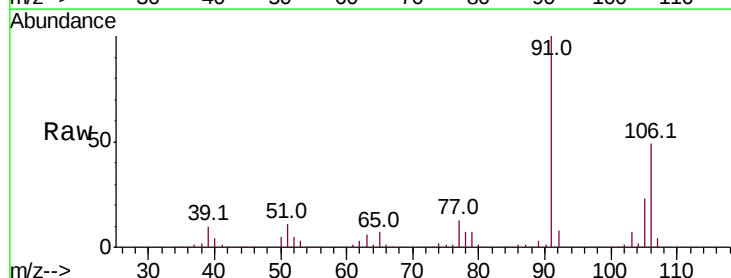
Acq: 21 Mar 2019 23:30

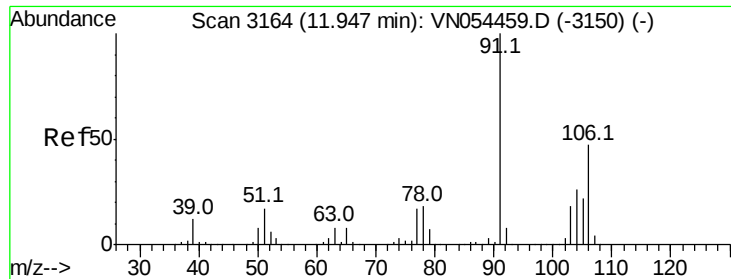
Tgt Ion: 106 Resp: 941720

Ion Ratio Lower Upper

106 100

91 204.6 159.4 239.2





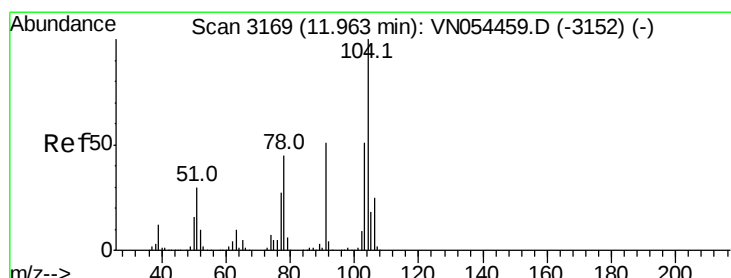
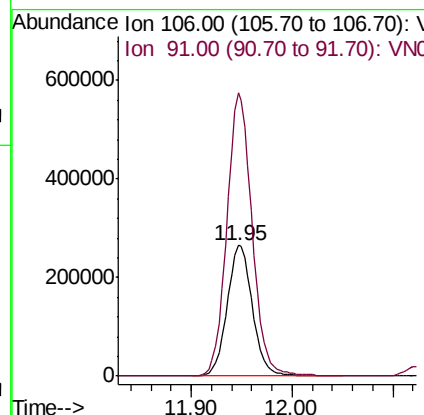
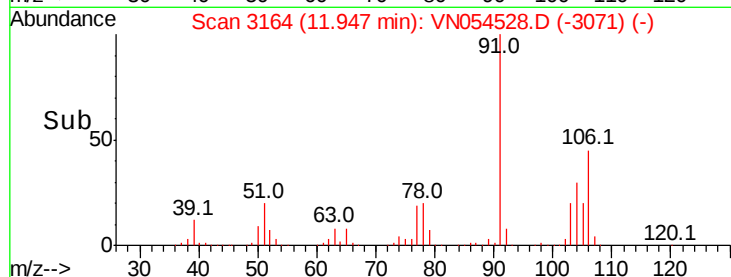
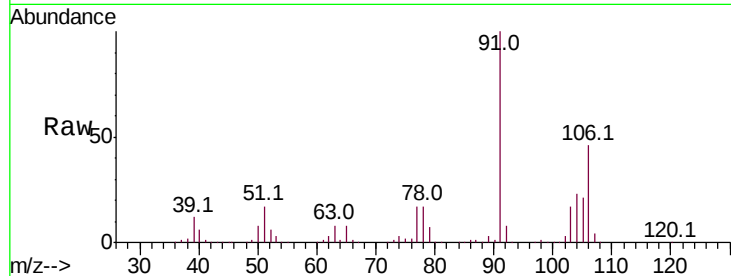
#69
o-Xylene
Concen: 49.714 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 464931
Ion Ratio Lower Upper
106 100
91 215.8 105.7 317.1

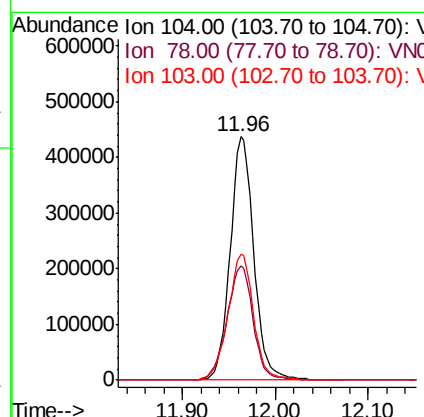
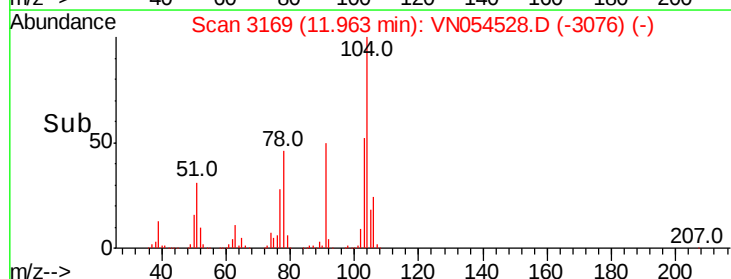
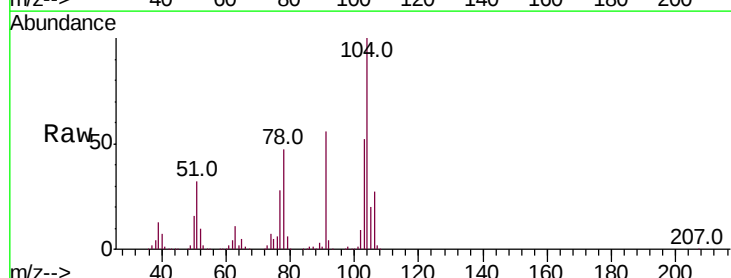
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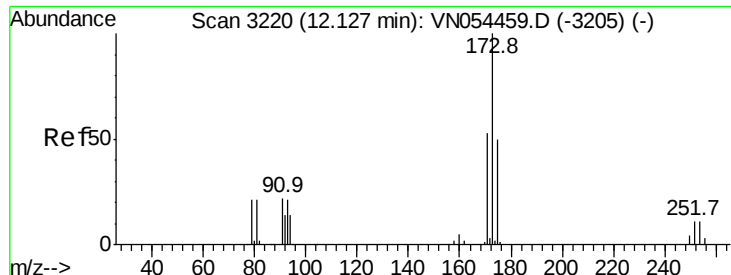
MMDadoda
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#70
Styrene
Concen: 51.015 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Tgt Ion:104 Resp: 774773
Ion Ratio Lower Upper
104 100
78 51.8 38.2 57.2
103 55.9 44.4 66.6





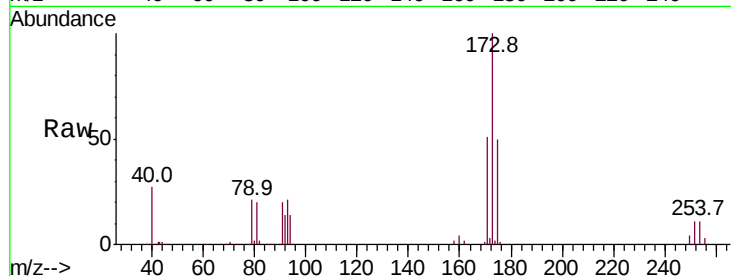
#71
Bromoform
Concen: 49.154 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

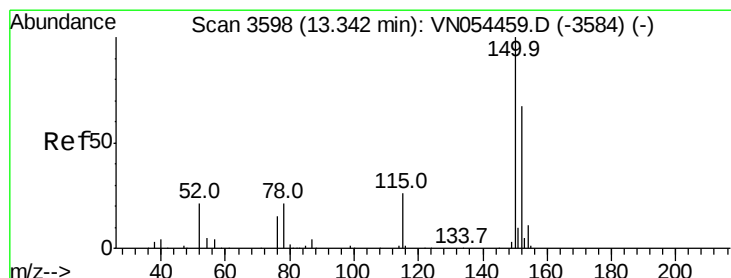
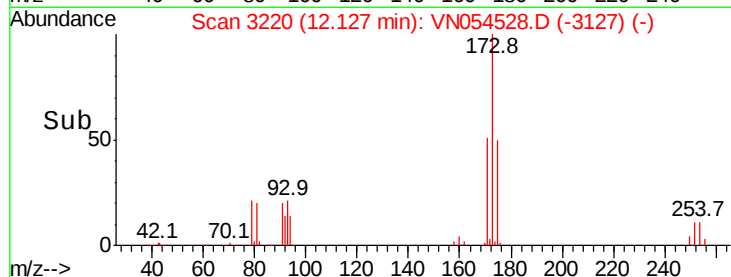
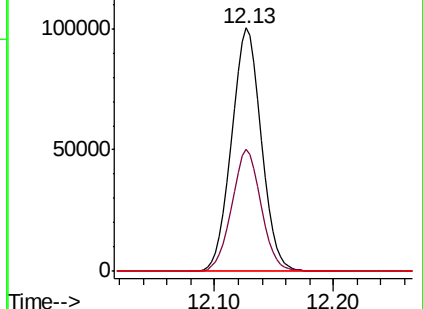
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.4	73.2
254	0.1	0.1	0.1

Manual Integrations
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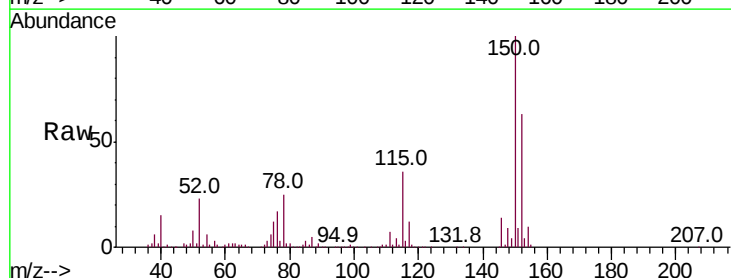


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

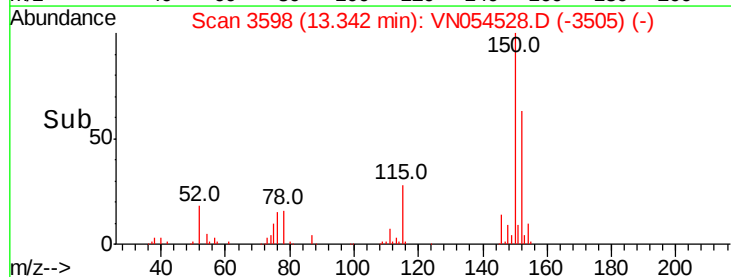
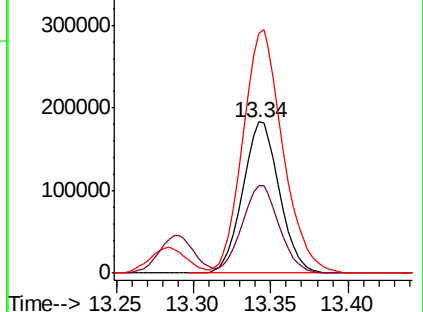


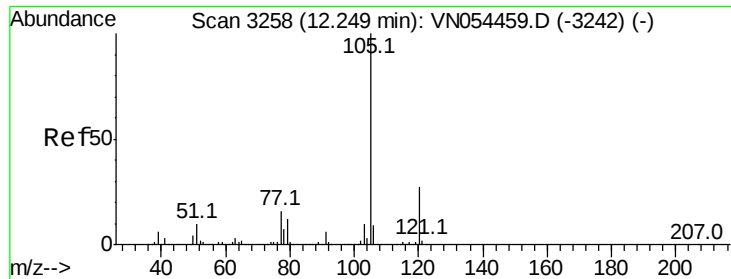
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	27.2	81.6
150	175.4	0.0	349.2



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





#73

Isopropylbenzene

Concen: 49.395 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1201427

Ion Ratio Lower Upper

105 100

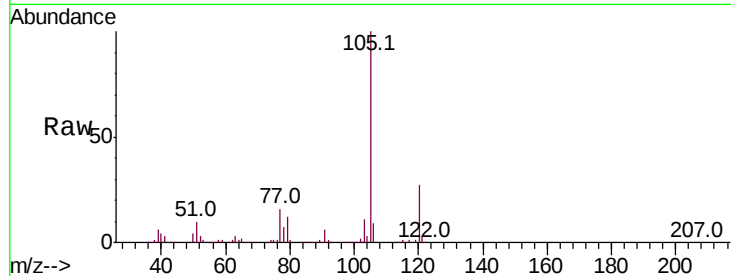
120 26.9 13.8 41.3

Manual Integrations

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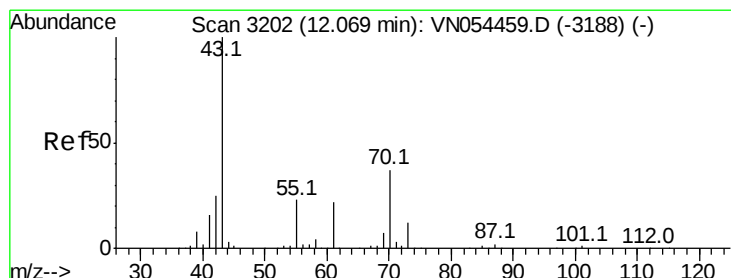
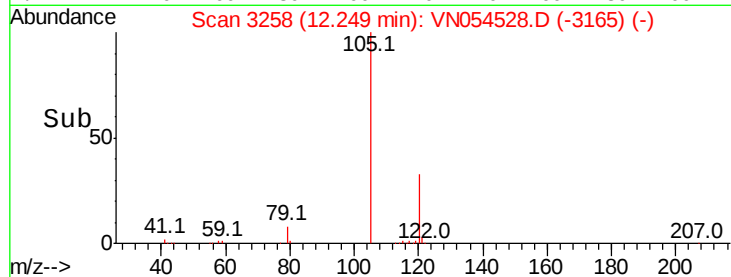
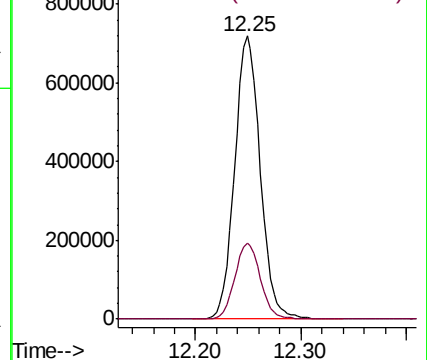
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 59.559 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Tgt Ion: 43 Resp: 416536

Ion Ratio Lower Upper

43 100

70 37.6 35.4 53.0

55 23.4 19.8 29.6

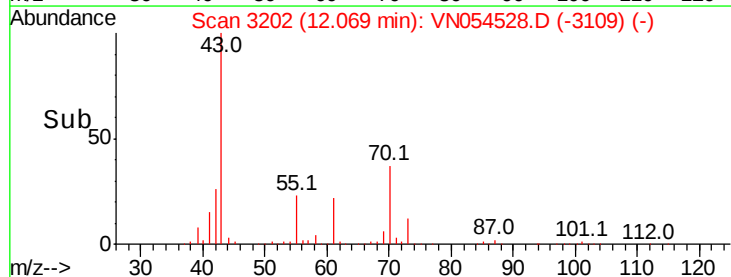
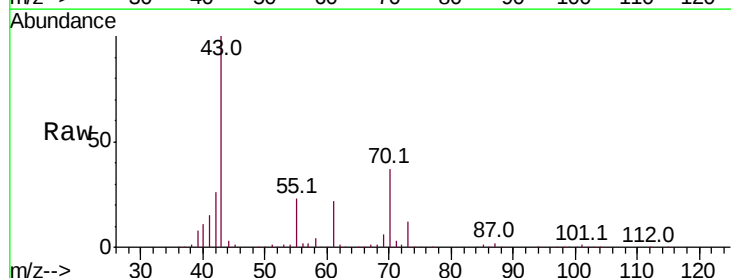
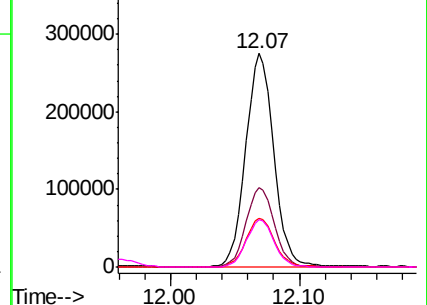
61 22.1 19.8 29.6

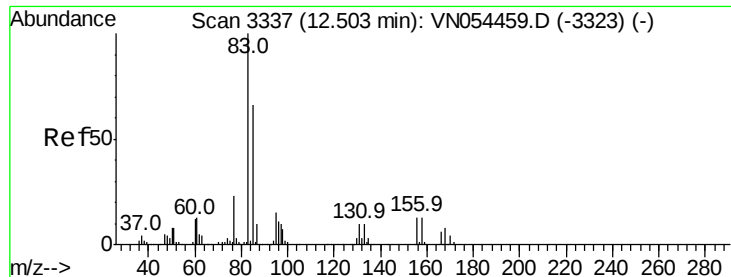
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 56.382 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

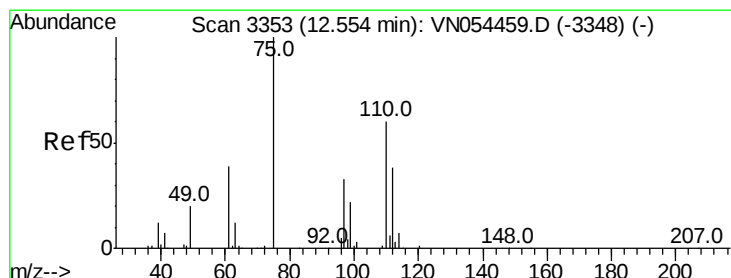
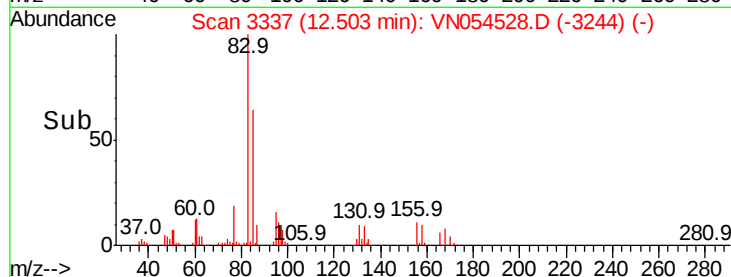
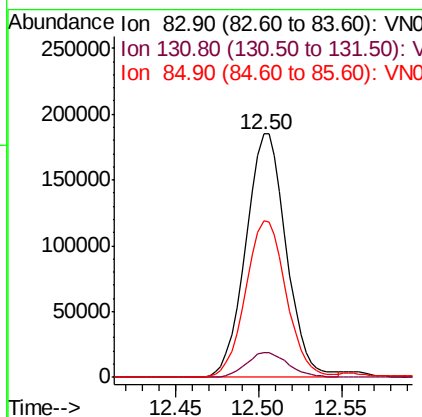
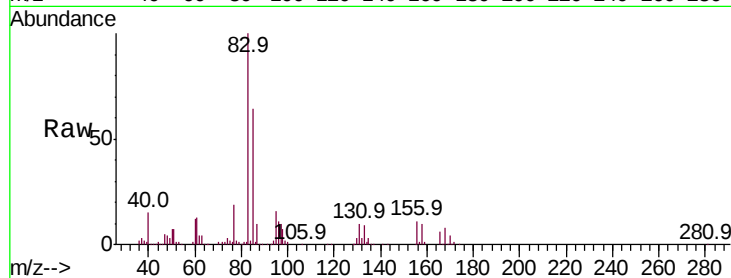
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	313051
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.8	17.4
85	64.7	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 59.819 ug/l m

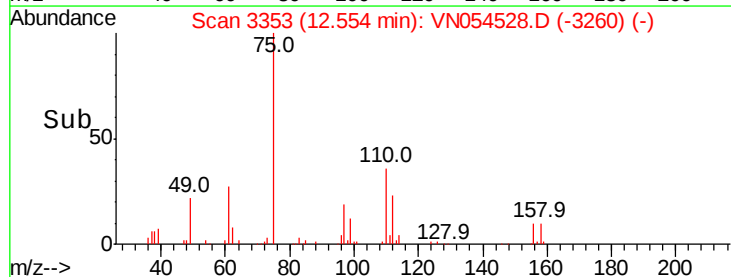
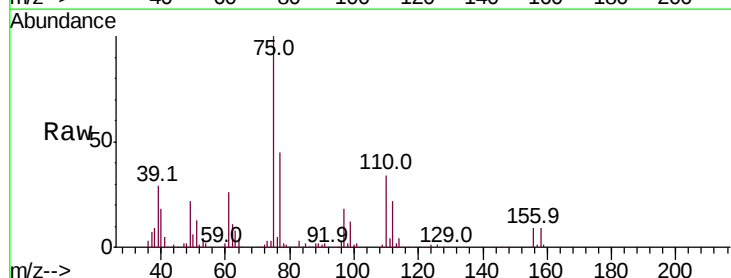
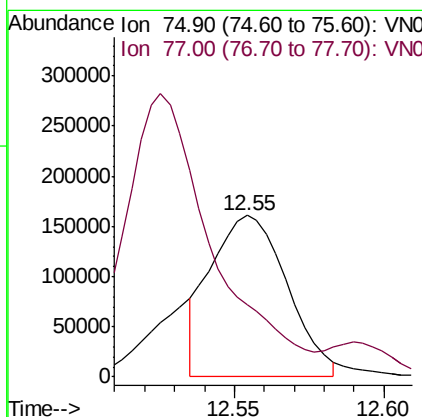
RT: 12.55 min Scan# 3353

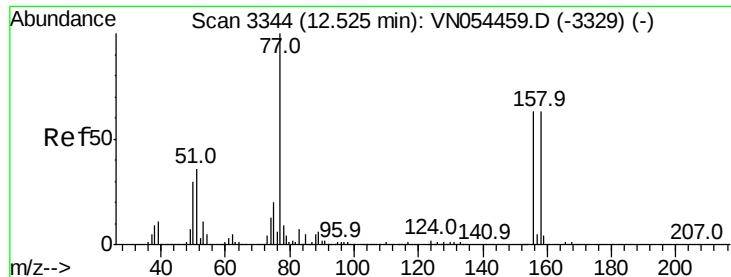
Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Tgt Ion:	75	Resp:	286517
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.753 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

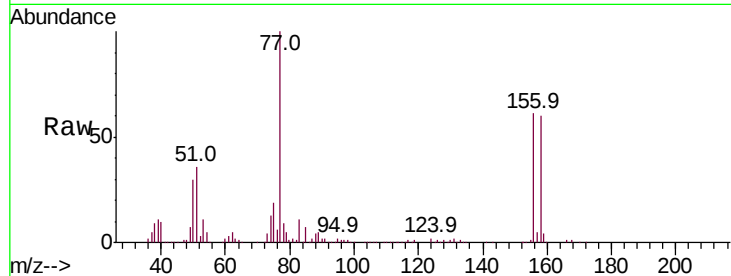
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	306158
Ion Ratio	Lower	Upper	
156	100		
77	189.9	81.5	244.4
158	97.7	49.0	147.2

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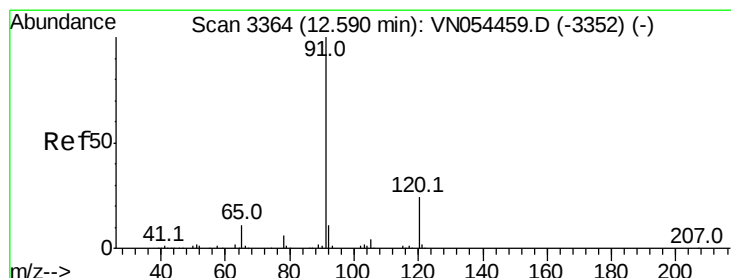
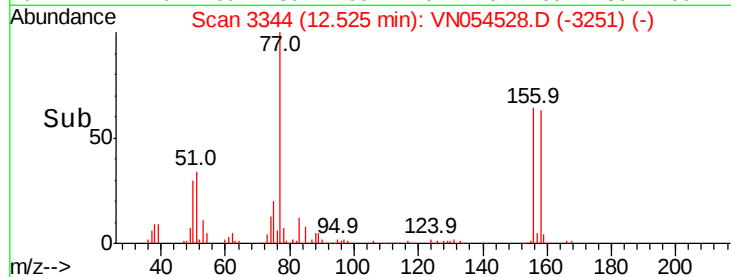
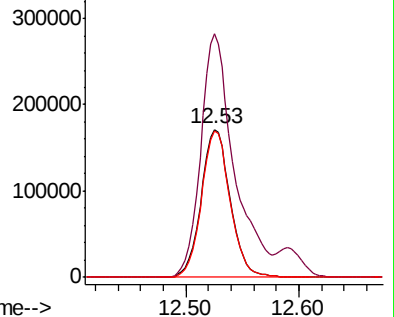
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.832 ug/l

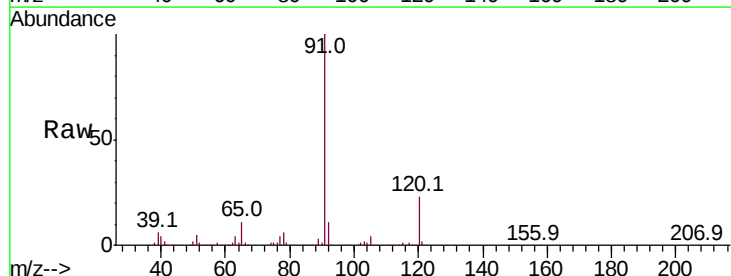
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054528.D

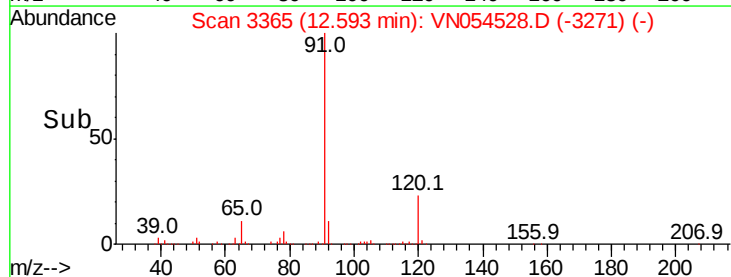
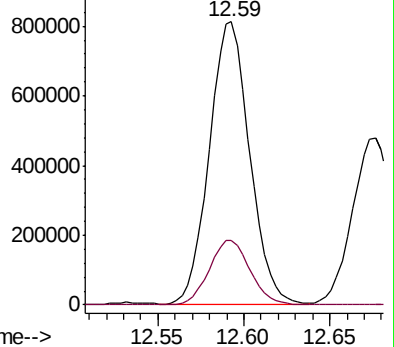
Acq: 21 Mar 2019 23:30

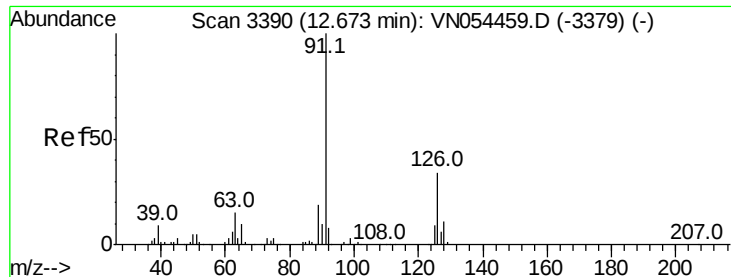
Tgt Ion:	91	Resp:	1314299
Ion Ratio	Lower	Upper	
91	100		
120	23.4	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.487 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 813916

Ion Ratio Lower Upper

91 100

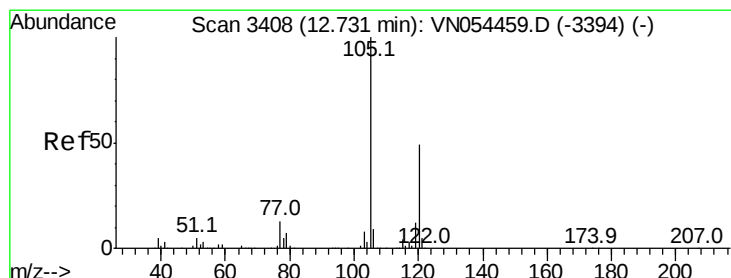
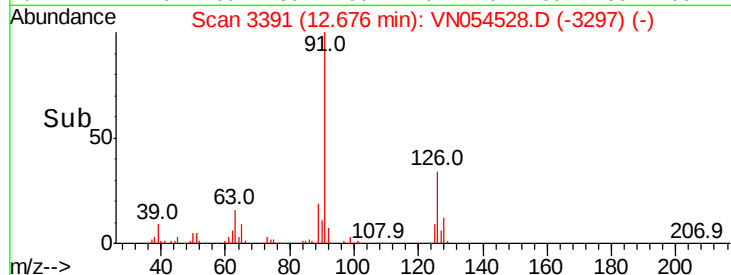
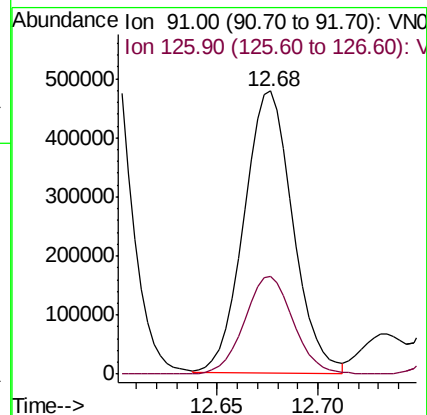
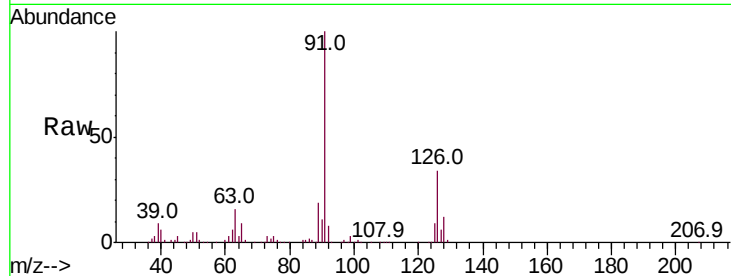
126 34.6 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.832 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054528.D

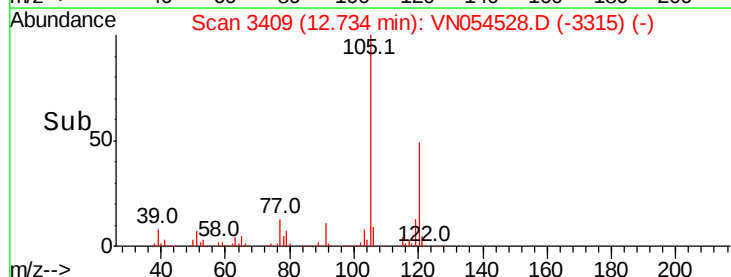
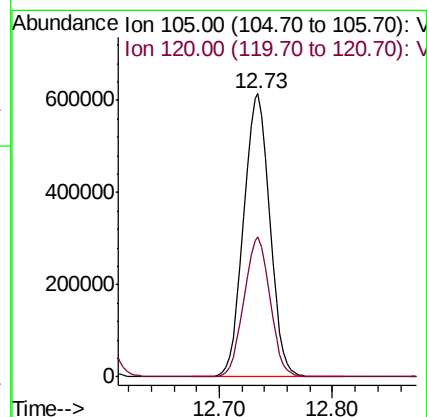
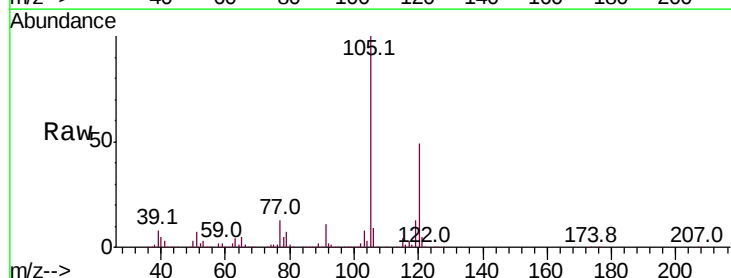
Acq: 21 Mar 2019 23:30

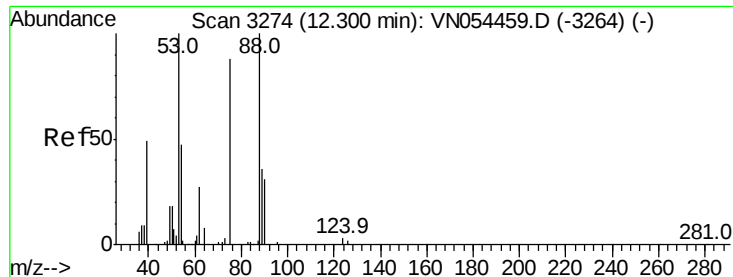
Tgt Ion: 105 Resp: 993382

Ion Ratio Lower Upper

105 100

120 49.2 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 49.589 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 68860

Ion Ratio Lower Upper

75 100

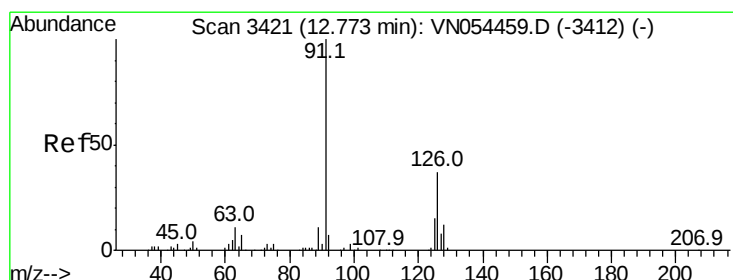
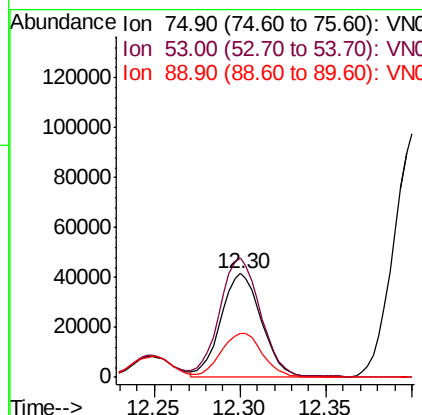
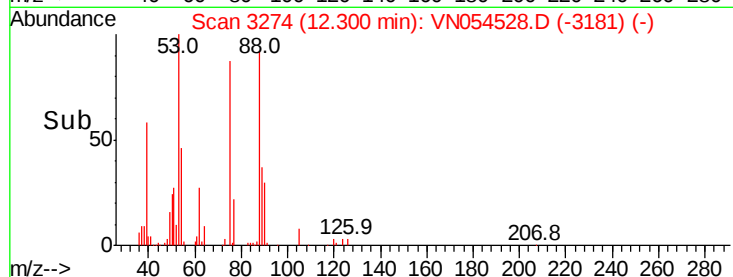
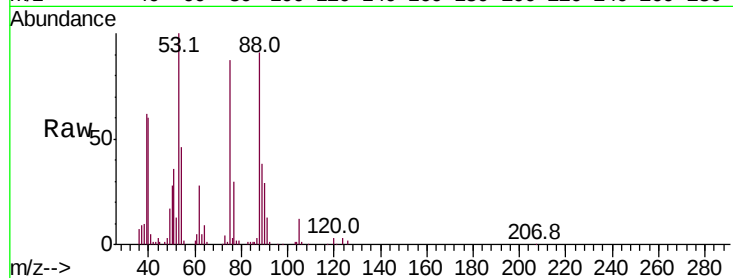
53 116.0 76.2 114.2#

89 43.7 39.2 58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.418 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054528.D

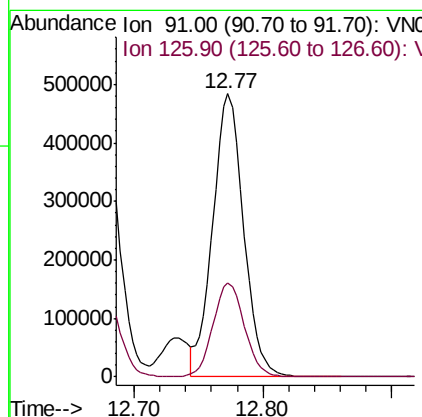
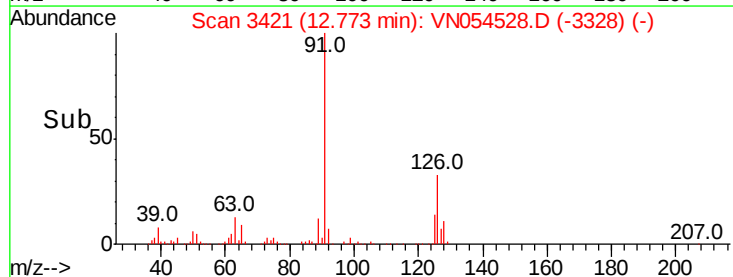
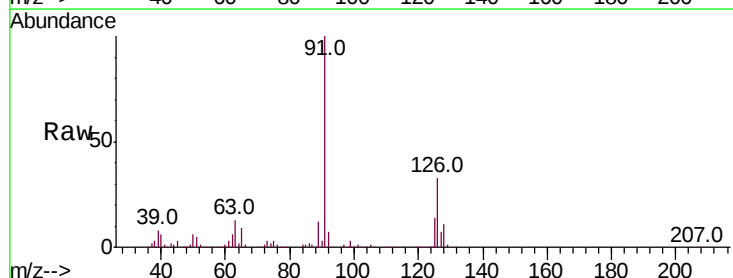
Acq: 21 Mar 2019 23:30

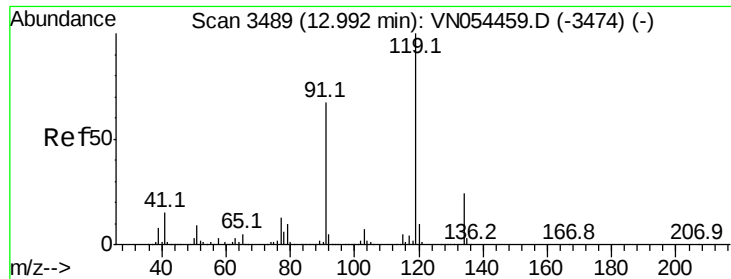
Tgt Ion: 91 Resp: 803775

Ion Ratio Lower Upper

91 100

126 33.8 18.1 54.1





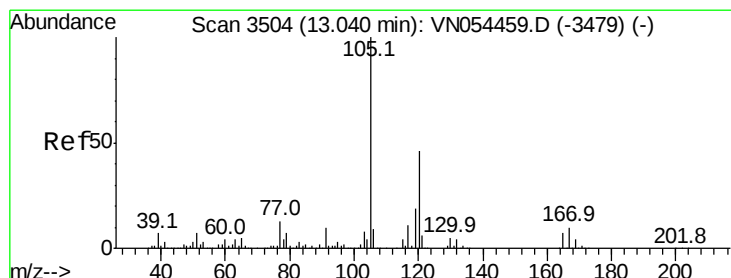
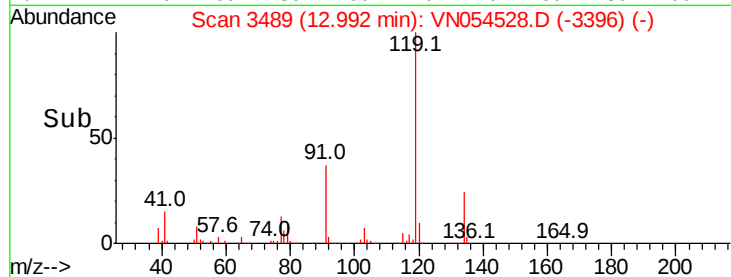
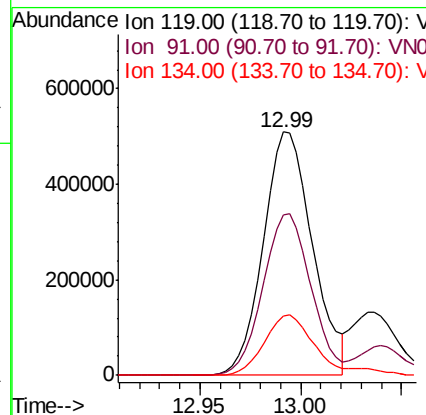
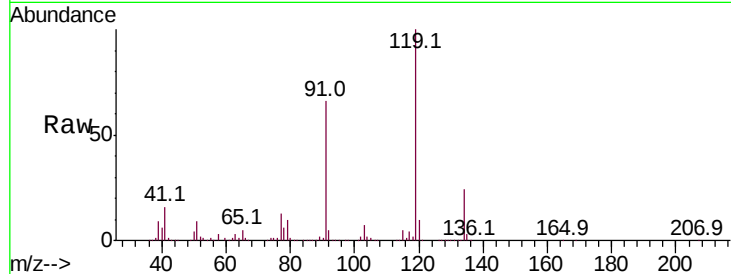
#83
tert-Butylbenzene
Concen: 50.013 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.4	30.9	92.8
134	26.3	13.2	39.6

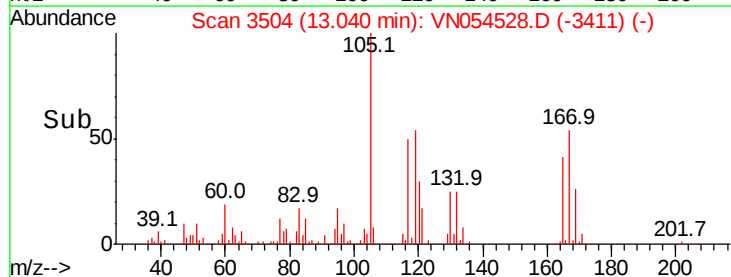
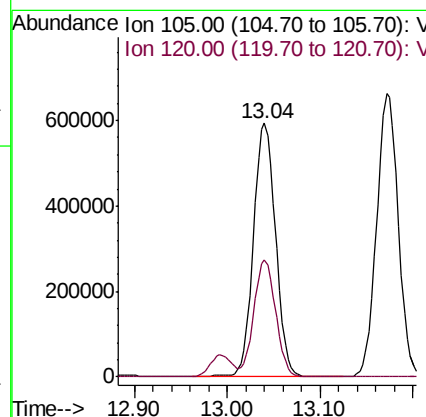
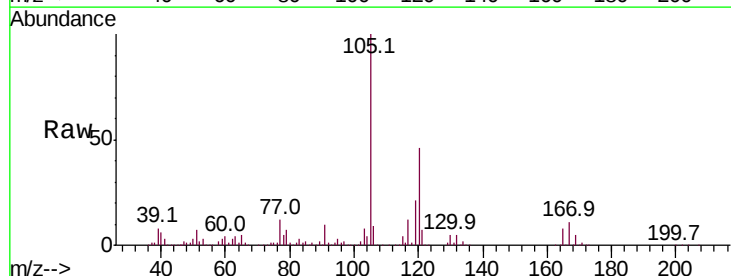
Manual Integrations
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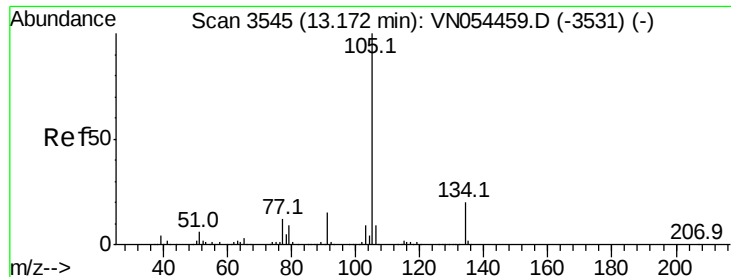
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 50.352 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.4	70.3





#85

sec-Butylbenzene

Concen: 49.334 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1067132

Ion Ratio Lower Upper

105 100

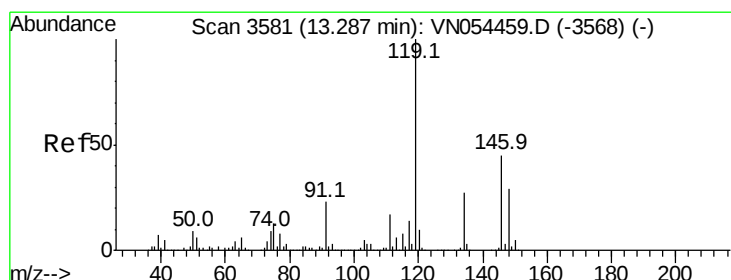
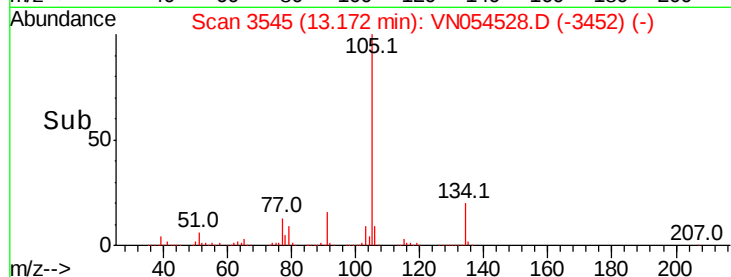
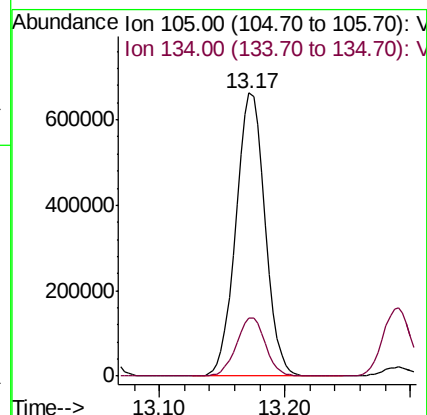
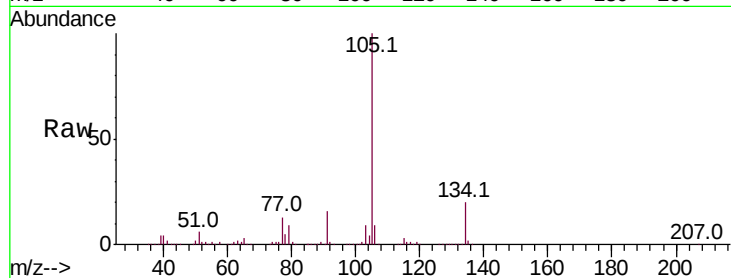
134 20.6 10.7 32.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.490 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

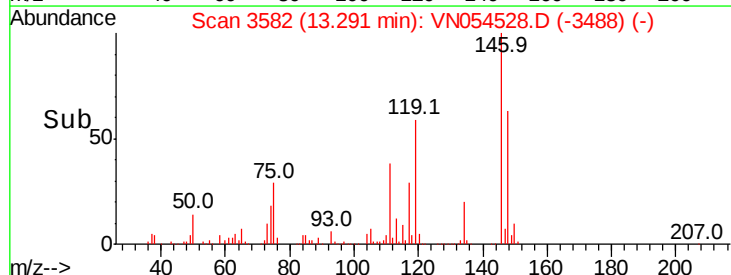
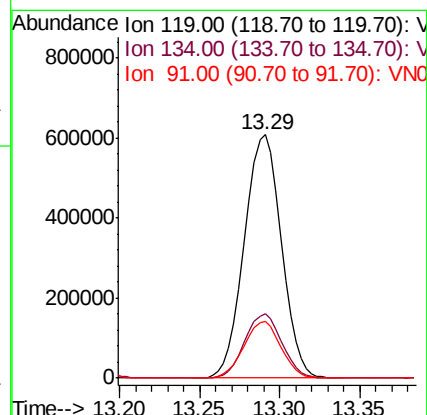
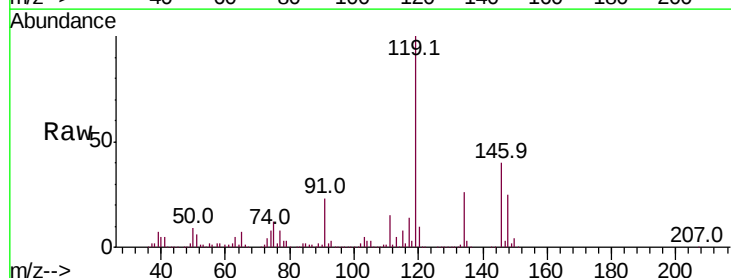
Tgt Ion:119 Resp: 957740

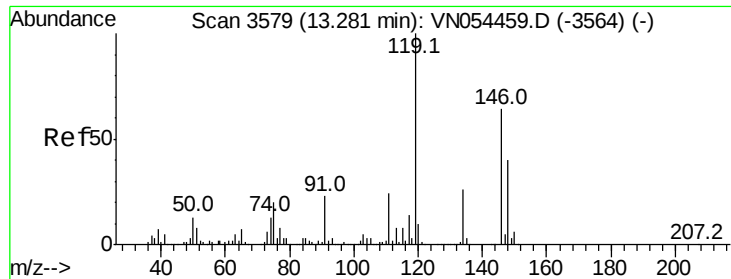
Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

91 23.2 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 49.921 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

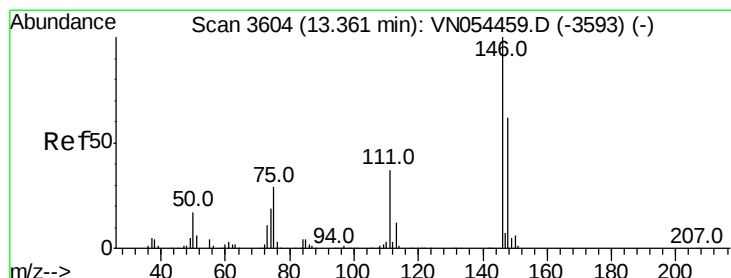
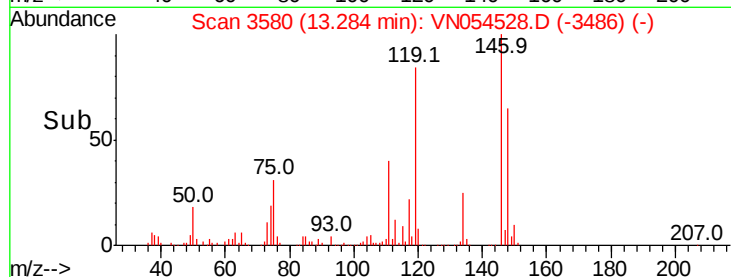
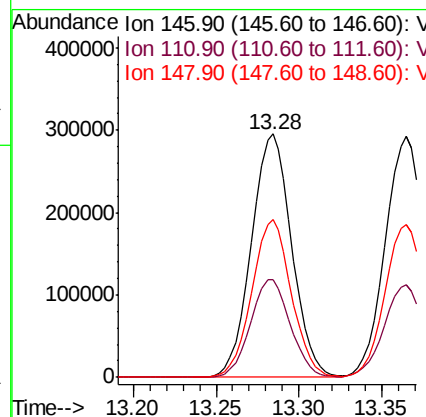
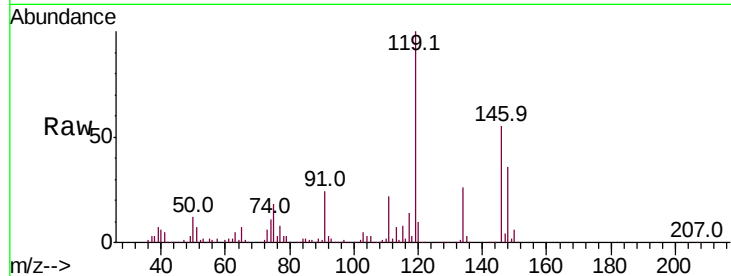
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.8	56.3
148	63.4	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 50.131 ug/l

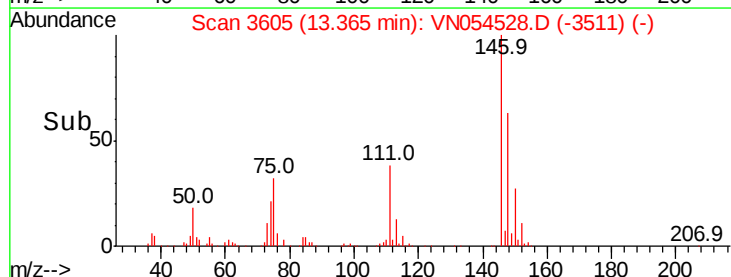
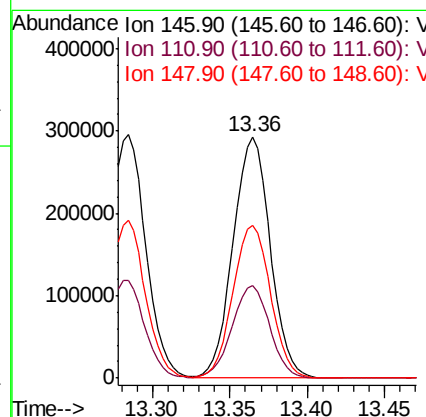
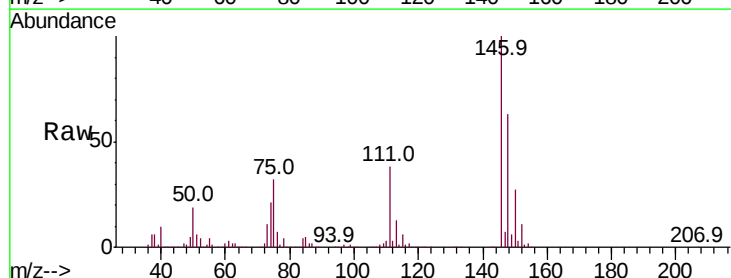
RT: 13.36 min Scan# 3605

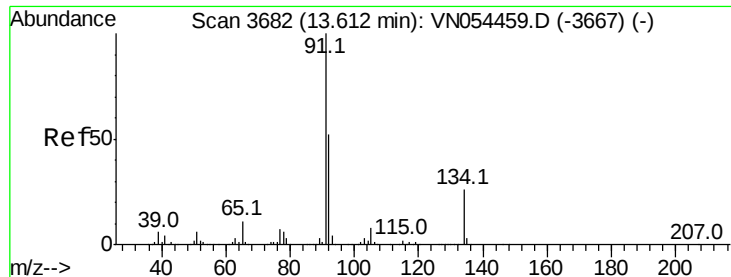
Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.1	54.1
148	64.3	32.0	96.0





#89

n-Butylbenzene

Concen: 50.500 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

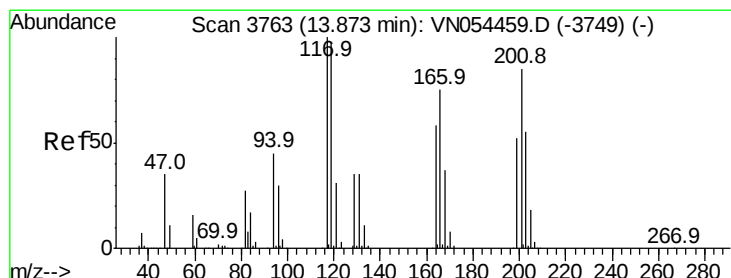
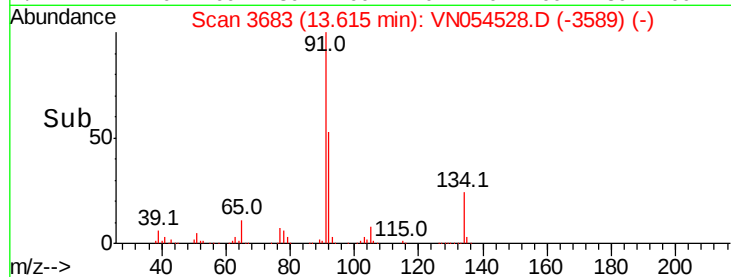
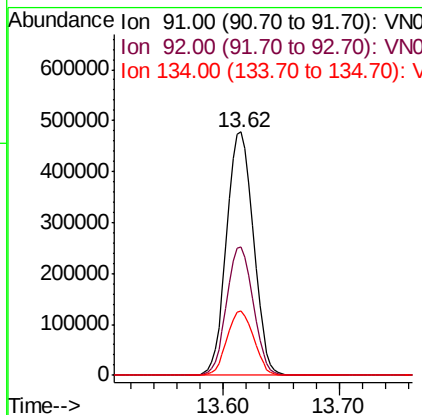
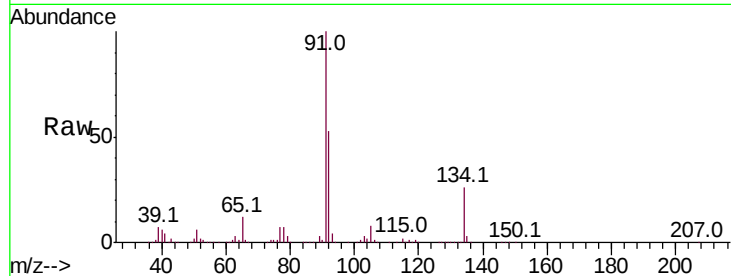
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	764169
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.2	78.6
134	26.2	14.3	42.9

Manual Integrations
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#90

Hexachloroethane

Concen: 52.190 ug/l

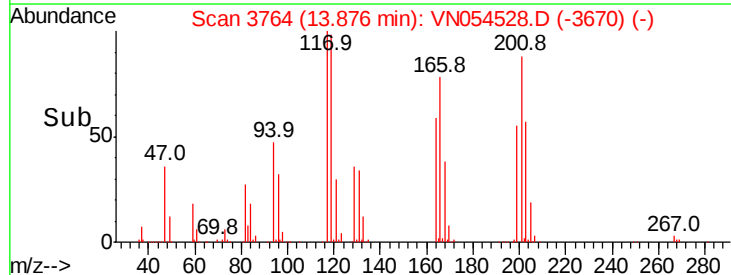
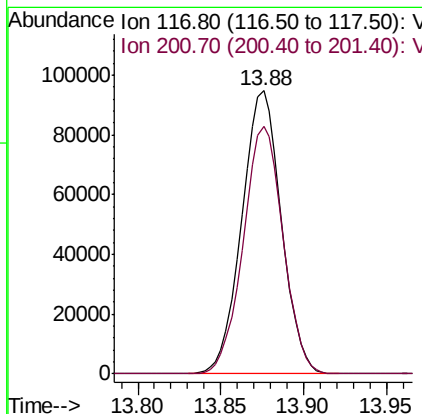
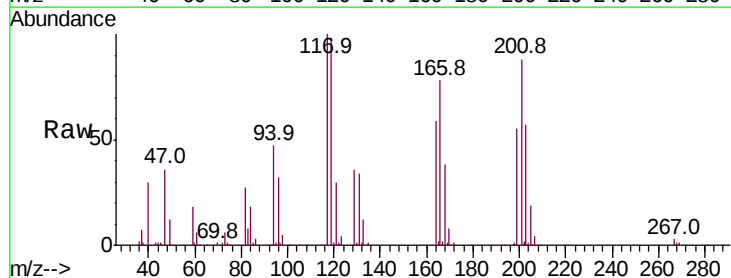
RT: 13.88 min Scan# 3764

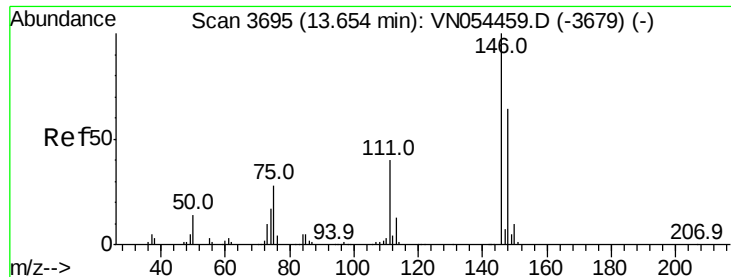
Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Tgt Ion:	117	Resp:	156774
Ion	Ratio	Lower	Upper
117	100		
201	87.9	48.1	144.4





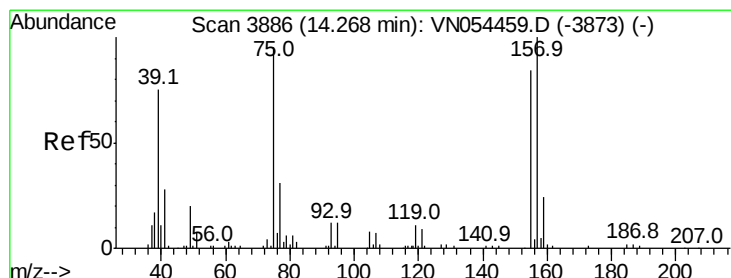
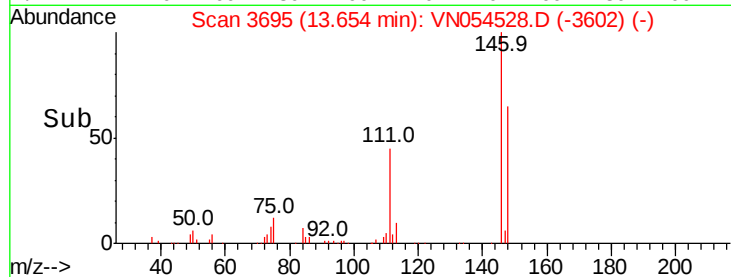
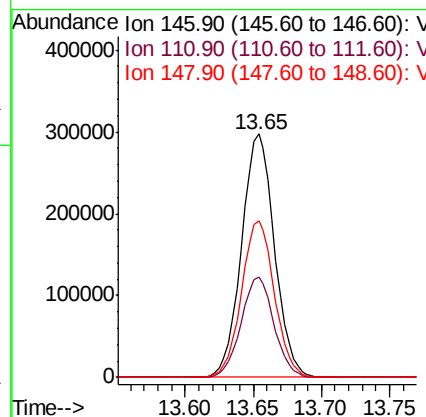
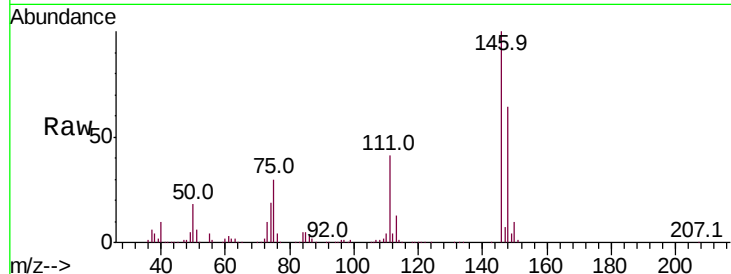
#91
 1,2-Dichlorobenzene
 Concen: 51.284 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054528.D
 Acq: 21 Mar 2019 23:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.1	57.3
148	64.3	32.4	97.0

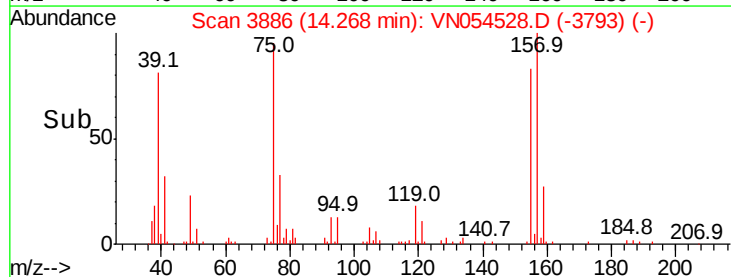
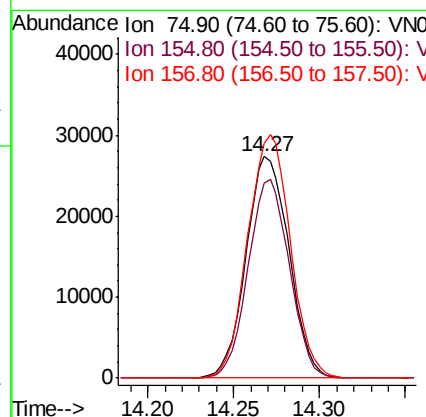
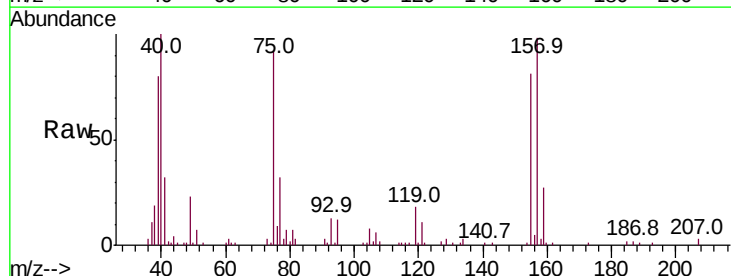
Manual Integrations
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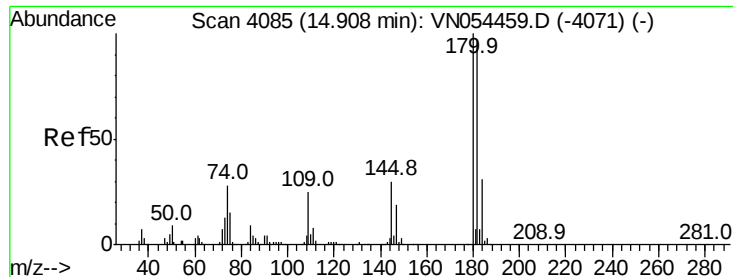
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.298 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054528.D
 Acq: 21 Mar 2019 23:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.1	50.1	150.3
157	109.2	63.1	189.3





#93

1,2,4-Trichlorobenzene

Concen: 52.229 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA_N

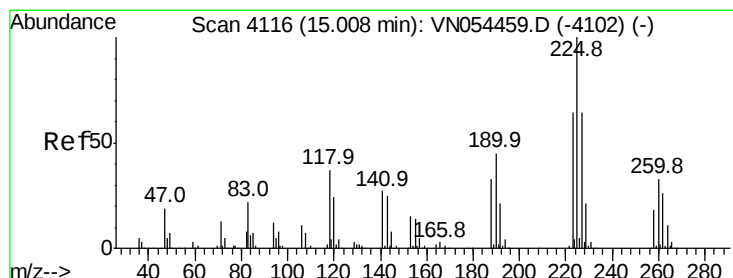
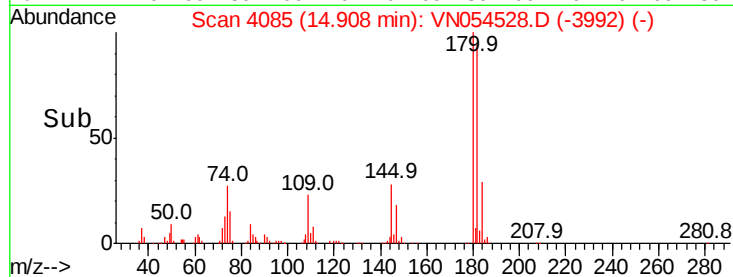
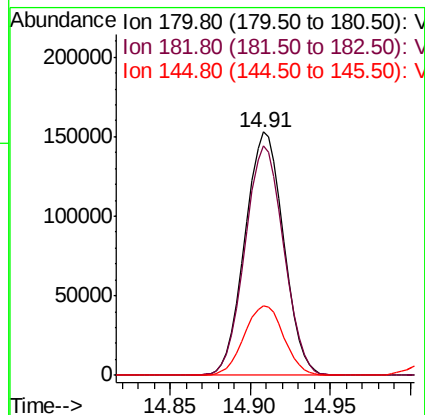
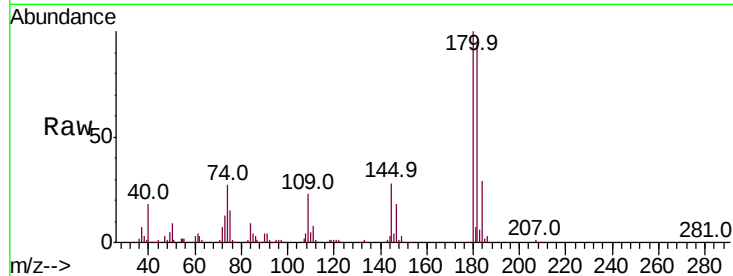
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	252103
Ion Ratio	Lower	Upper	
180	100		
182	94.6	48.0	144.2
145	29.3	14.2	42.8

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 50.055 ug/l

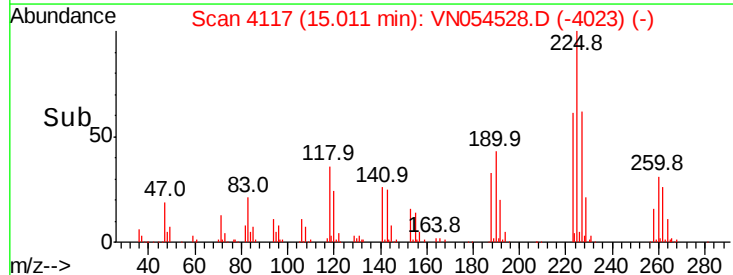
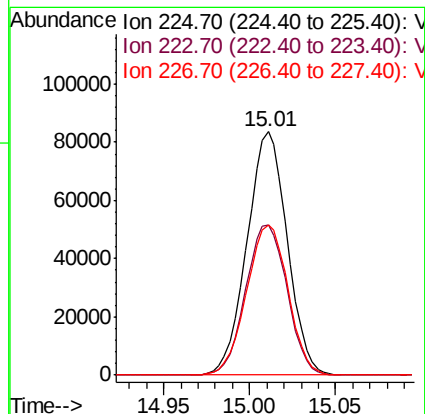
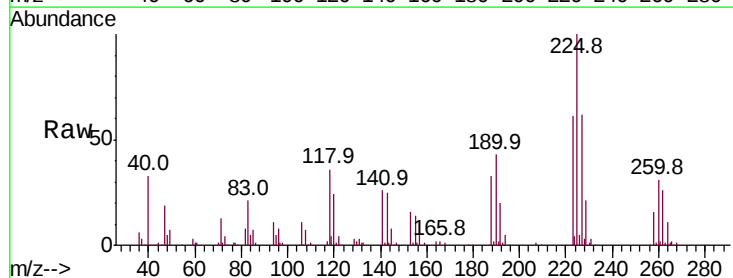
RT: 15.01 min Scan# 4117

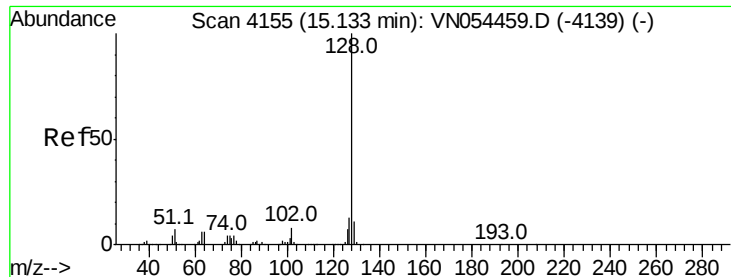
Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Tgt Ion:	225	Resp:	135738
Ion Ratio	Lower	Upper	
225	100		
223	63.5	31.1	93.5
227	63.5	31.9	95.9





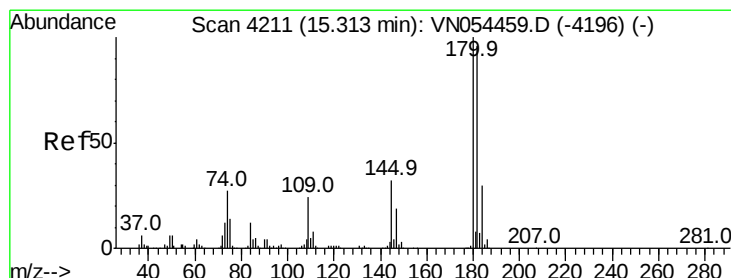
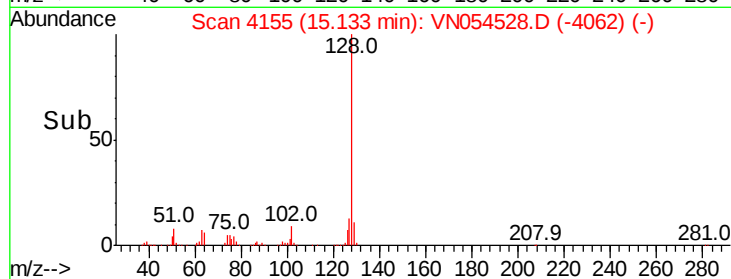
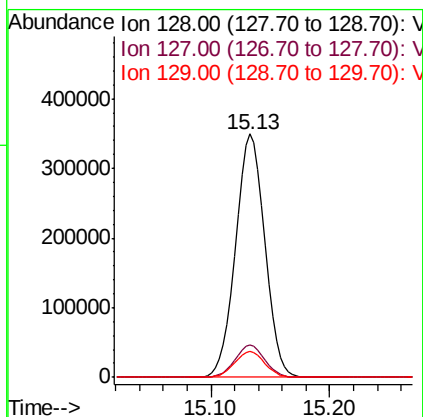
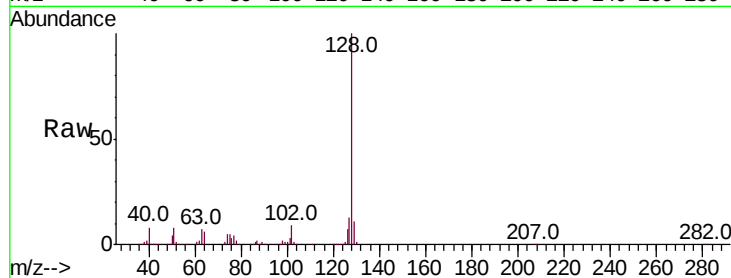
#95
Naphthalene
Concen: 55.228 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.1	15.1
129	10.9	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 53.019 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054528.D
Acq: 21 Mar 2019 23:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.5	142.6
145	29.9	14.8	44.3

