

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012319\
 Data File : VN053526.D
 Acq On : 23 Jan 2019 9:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 11:53:17 AM

Quant Time: Jan 24 01:36:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	770402	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1111765	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	997781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	511681	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	356365	46.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.60%	
35) Dibromofluoromethane	7.59	113	318805	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
50) Toluene-d8	10.09	98	1286893	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
62) 4-Bromofluorobenzene	12.40	95	455240	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	288904	46.642	ug/l	99
3) Chloromethane	2.06	50	363547	41.051	ug/l	99
4) Vinyl Chloride	2.19	62	379550	44.461	ug/l	100
5) Bromomethane	2.57	94	268516	45.842	ug/l	97
6) Chloroethane	2.71	64	234002	45.338	ug/l	99
7) Trichlorofluoromethane	3.02	101	552077	49.442	ug/l	100
8) Diethyl Ether	3.41	74	204973	48.875	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	361428	51.110	ug/l	98
10) Methyl Iodide	3.96	142	503173	46.562	ug/l	100
11) Tert butyl alcohol	4.78	59	114014	305.995	ug/l	99
12) 1,1-Dichloroethene	3.74	96	328398	47.878	ug/l	97
13) Acrolein	3.61	56	181803	250.046	ug/l	98
14) Allyl chloride	4.32	41	555170	49.830	ug/l	100
15) Acrylonitrile	4.98	53	617672	251.892	ug/l	100
16) Acetone	3.81	43	542239	303.513	ug/l	99
17) Carbon Disulfide	4.06	76	933726	45.016	ug/l	99
18) Methyl Acetate	4.32	43	304587	50.603	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	911674	50.024	ug/l	100
20) Methylene Chloride	4.55	84	383131	46.972	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	355855	48.528	ug/l	96
22) Diisopropyl ether	5.95	45	1166128	50.138	ug/l	100
23) Vinyl Acetate	5.89	43	3640332	254.618	ug/l	100
24) 1,1-Dichloroethane	5.85	63	677582	49.281	ug/l	99
25) 2-Butanone	6.83	43	735089	267.006	ug/l	99
26) 2,2-Dichloropropane	6.82	77	528867	50.945	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	417530	49.792	ug/l	100
28) Bromochloromethane	7.19	49	285598	47.150	ug/l	99
29) Tetrahydrofuran	7.21	42	449758	250.944	ug/l	99
30) Chloroform	7.37	83	674023	50.314	ug/l	100
31) Cyclohexane	7.65	56	631894	47.212	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	564683	49.691	ug/l	100
36) 1,1-Dichloropropene	7.79	75	523271	51.681	ug/l	99
37) Ethyl Acetate	6.92	43	297230	51.025	ug/l	100
38) Carbon Tetrachloride	7.77	117	504981	52.681	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	661874	52.889	ug/l	99
40) Benzene	8.04	78	1565943	50.895	ug/l	99
41) Methacrylonitrile	7.17	41	173053	49.996	ug/l	96
42) 1,2-Dichloroethane	8.12	62	466810	52.078	ug/l	100
43) Isopropyl Acetate	8.16	43	539880	51.543	ug/l	99
44) Trichloroethene	8.83	130	451189	52.879	ug/l	98
45) 1,2-Dichloropropane	9.12	63	414807	50.900	ug/l	100
46) Dibromomethane	9.21	93	236757	50.565	ug/l	99
47) Bromodichloromethane	9.40	83	520298	52.840	ug/l	100
48) Methyl methacrylate	9.20	41	271889	50.274	ug/l	97
49) 1,4-Dioxane	9.20	88	76112	1441.036	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1502644	262.796	ug/l	100
52) Toluene	10.16	92	973023	50.940	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	530185	53.122	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	624369	53.366	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	345385	52.446	ug/l	99
56) Ethyl methacrylate	10.43	69	438107	47.005	ug/l	99
57) 1,3-Dichloropropane	10.71	76	585979	51.437	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1103888	239.605	ug/l	99
59) 2-Hexanone	10.75	43	1074562	267.710	ug/l	99
60) Dibromochloromethane	10.90	129	398613	53.367	ug/l	100
61) 1,2-Dibromoethane	11.00	107	340025	51.053	ug/l	100
64) Tetrachloroethene	10.63	164	510149	54.254	ug/l	99
65) Chlorobenzene	11.43	112	1094550	51.826	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	394711	53.722	ug/l	99
67) Ethyl Benzene	11.51	91	1878693	52.196	ug/l	99
68) m/p-Xylenes	11.62	106	1441803	106.098	ug/l	100
69) o-Xylene	11.95	106	698242	52.878	ug/l	98
70) Styrene	11.96	104	1163713	54.301	ug/l	99
71) Bromoform	12.13	173	273604	54.092	ug/l #	98
73) Isopropylbenzene	12.25	105	1875309	50.047	ug/l	100
74) N-amyl acetate	12.07	43	487522	48.807	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	355934	45.292	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	357242m	52.980	ug/l	
77) Bromobenzene	12.53	156	485332	49.154	ug/l	99
78) n-propylbenzene	12.59	91	2211299	51.412	ug/l	100
79) 2-Chlorotoluene	12.67	91	1263401	49.555	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1566404	51.379	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	125015	47.076	ug/l	100
82) 4-Chlorotoluene	12.77	91	1316144	50.622	ug/l	100
83) tert-Butylbenzene	12.99	119	1390275	51.631	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1604796	52.205	ug/l	100
85) sec-Butylbenzene	13.17	105	1923176	52.078	ug/l	99
86) p-Isopropyltoluene	13.29	119	1709154	53.303	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	880505	50.697	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	878605	50.431	ug/l	99
89) n-Butylbenzene	13.62	91	1497999	54.807	ug/l	100
90) Hexachloroethane	13.87	117	271094	53.908	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	841933	52.691	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	58666	58.875	ug/l	97

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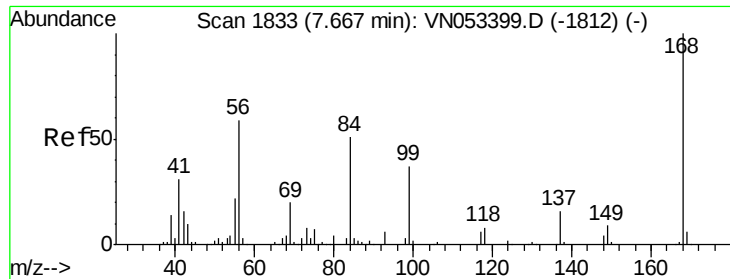
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	454389	63.651	ug/l	99
94) Hexachlorobutadiene	15.01	225	311797	62.553	ug/l	100
95) Naphthalene	15.13	128	716241	57.281	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	329923	62.864	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 770402

Ion Ratio Lower Upper

168 100

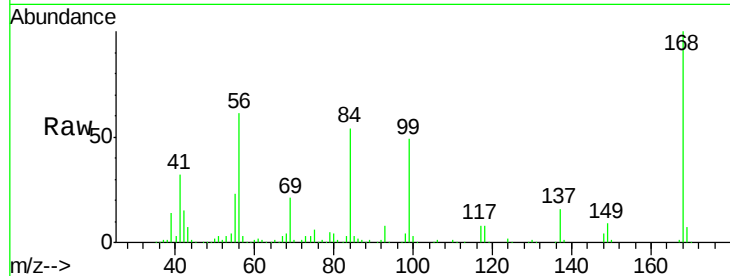
99 49.3 39.1 58.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

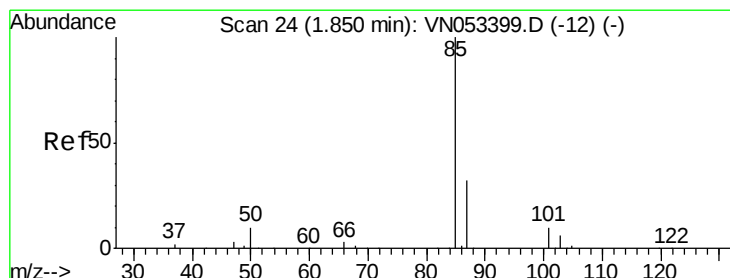
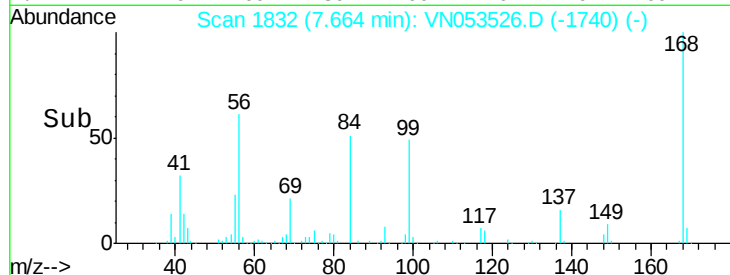
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.642 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053526.D

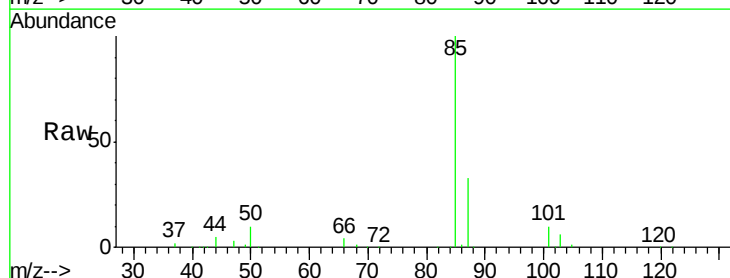
Acq: 23 Jan 2019 9:44

Tgt Ion: 85 Resp: 288904

Ion Ratio Lower Upper

85 100

87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

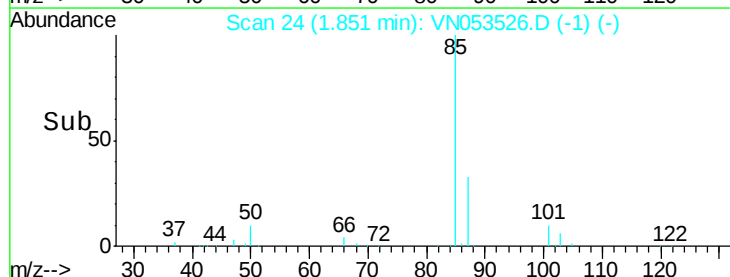
150000

100000

50000

0

Time-->





#3

Chloromethane

Concen: 41.051 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 363547

Ion Ratio Lower Upper

50 100

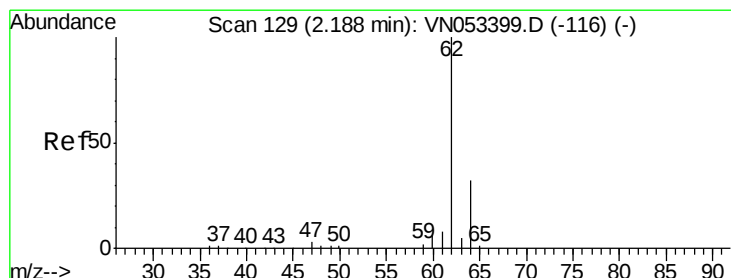
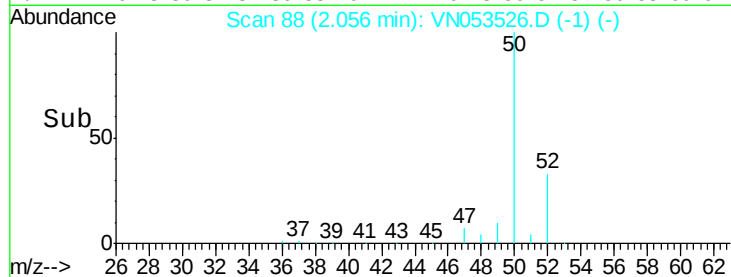
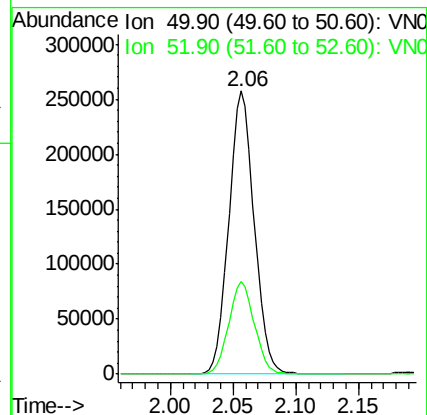
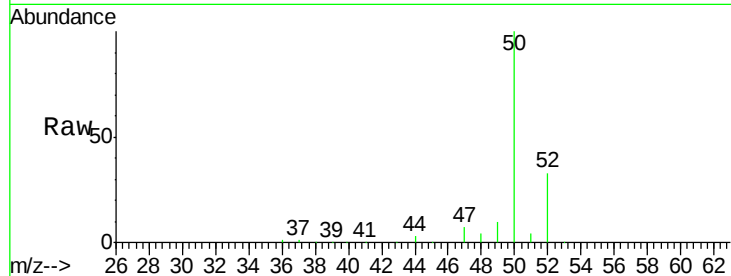
52 32.5 26.6 40.0

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#4

Vinyl Chloride

Concen: 44.461 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053526.D

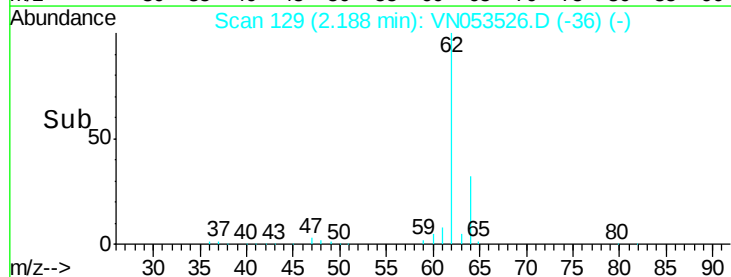
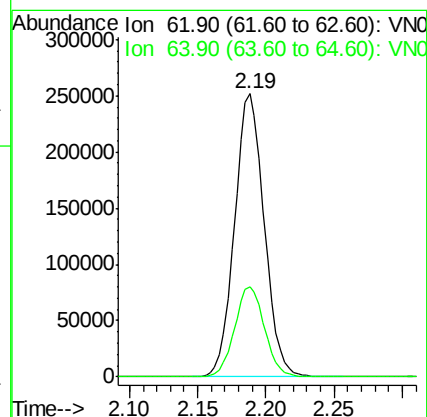
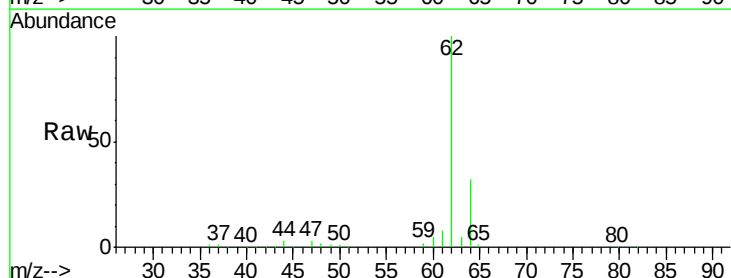
Acq: 23 Jan 2019 9:44

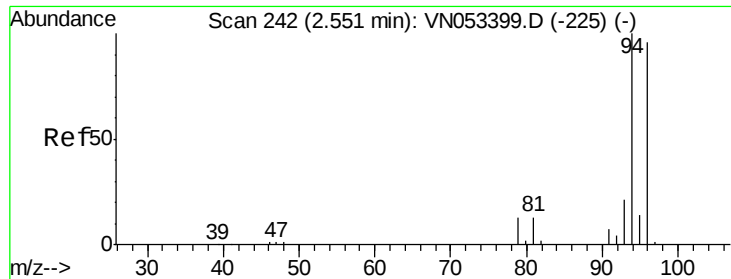
Tgt Ion: 62 Resp: 379550

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 45.842 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.02 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Tot Ion: 94 Resp: 268516

Ion Ratio Lower Upper

94 100

96 93.4 76.8 115.2

Instrument :

MSVOA_N

ClientSampleId :

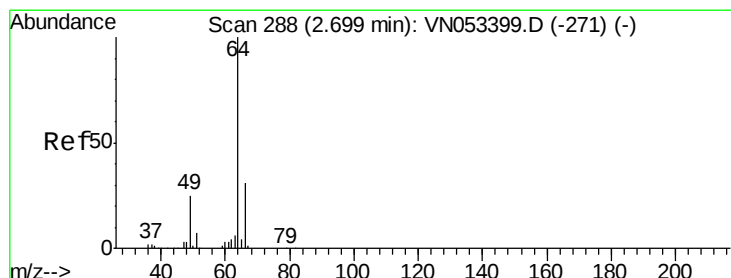
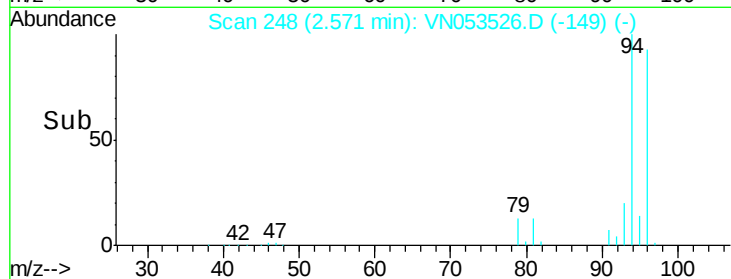
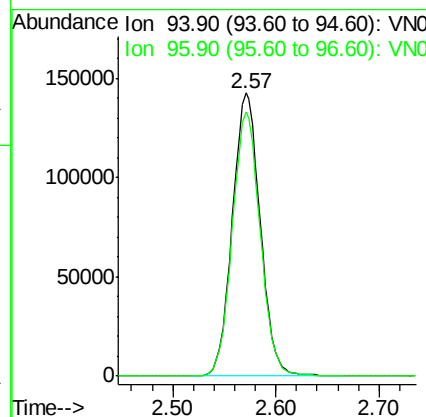
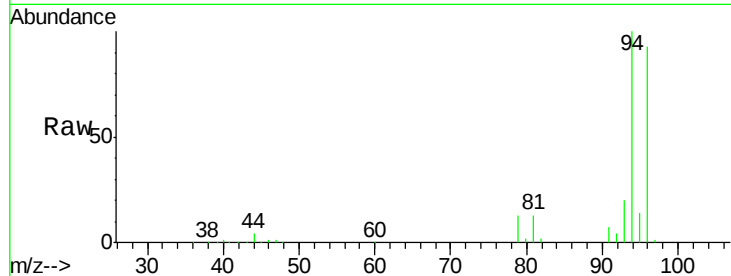
VSTDCCC050

Manual Integrations

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#6

Chloroethane

Concen: 45.338 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN053526.D

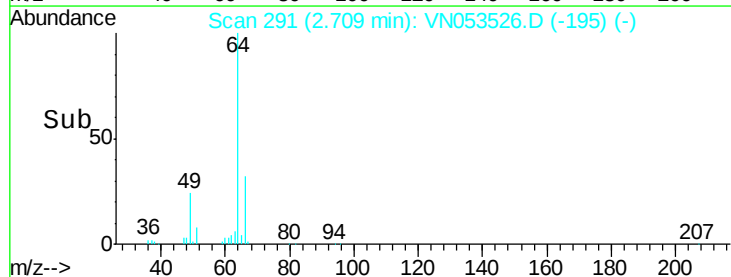
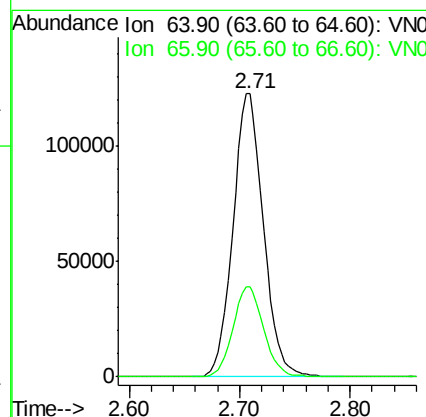
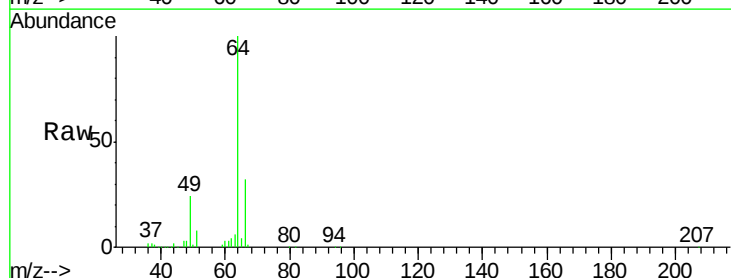
Acq: 23 Jan 2019 9:44

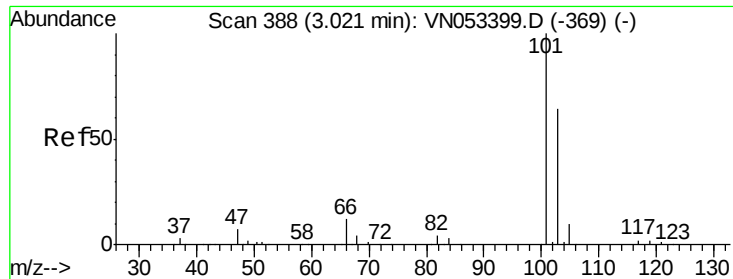
Tgt Ion: 64 Resp: 234002

Ion Ratio Lower Upper

64 100

66 31.7 25.1 37.7





#7

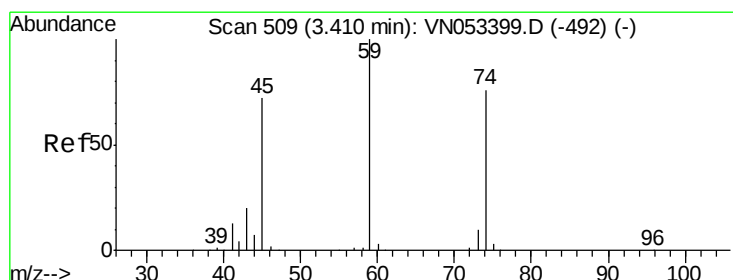
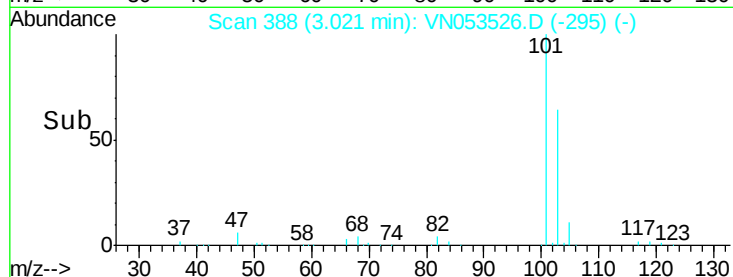
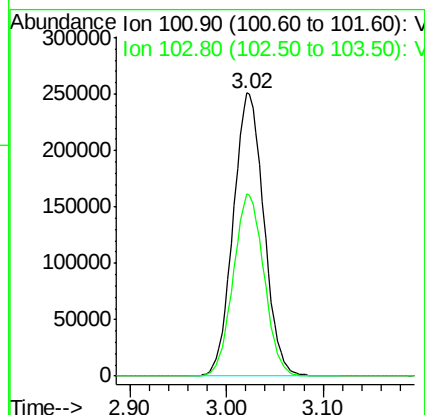
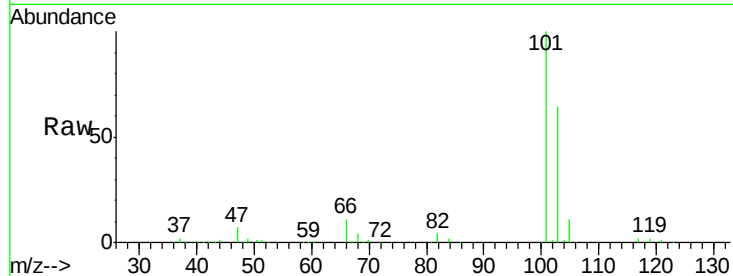
Trichlorofluoromethane
Concen: 49.442 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.6	77.4

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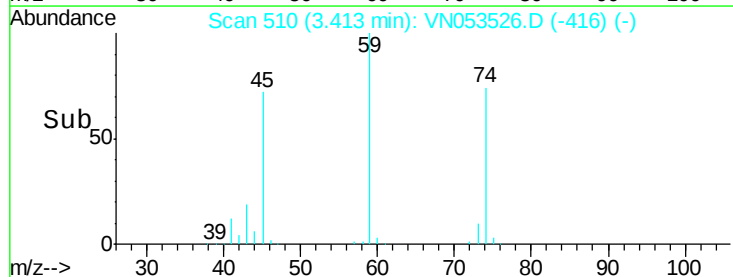
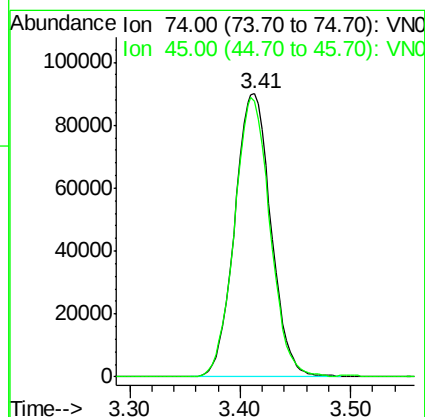
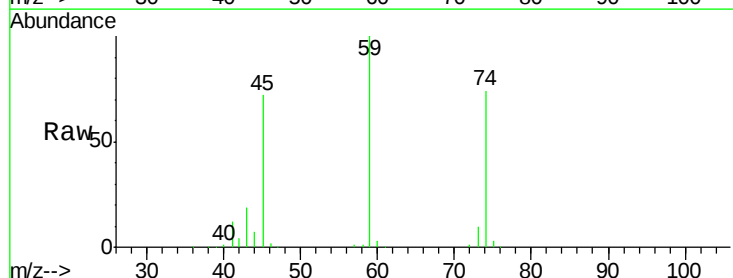
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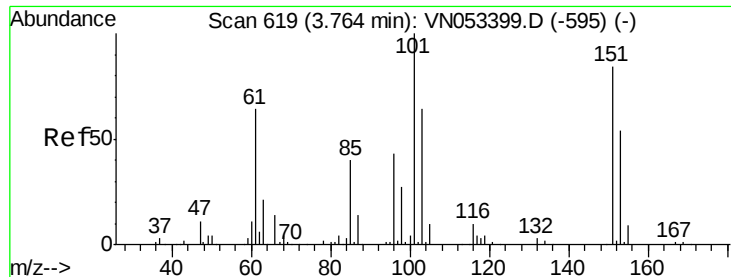


#8

Diethyl Ether
Concen: 48.875 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.8	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.110 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

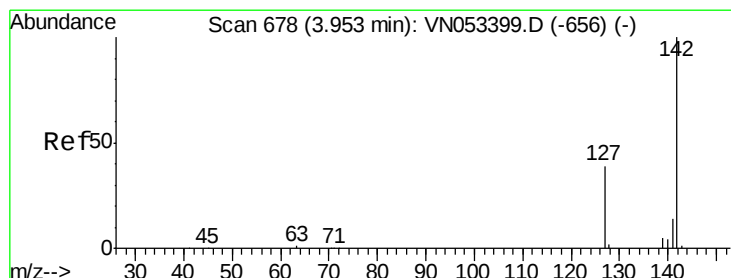
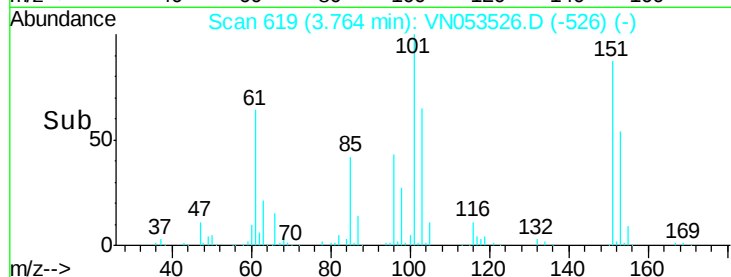
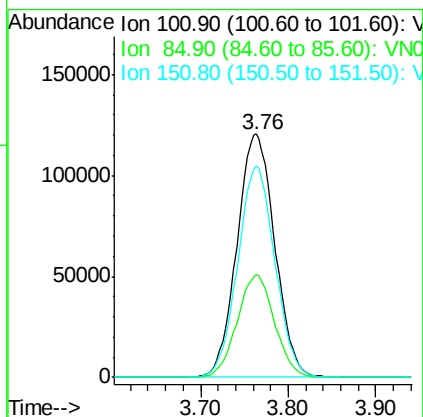
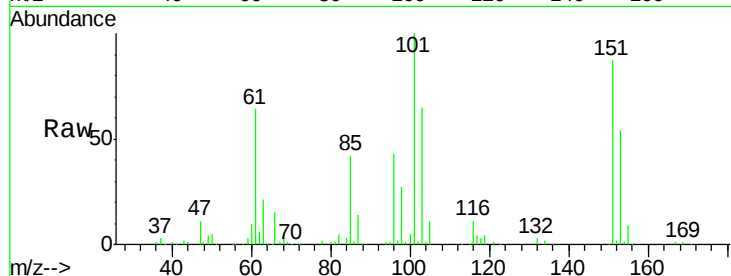
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	361428
Ion Ratio	Lower	Upper	
101	100		
85	41.5	32.8	49.2
151	85.4	66.9	100.3

Manual Integrations
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#10

Methyl Iodide

Concen: 46.562 ug/l

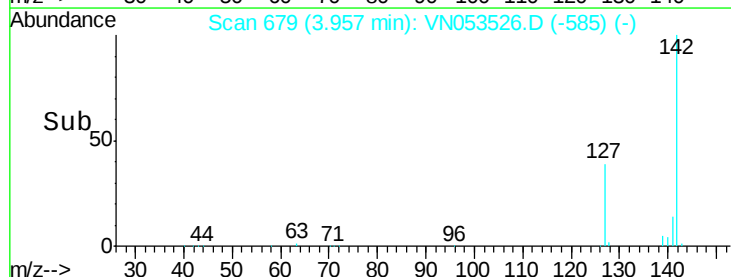
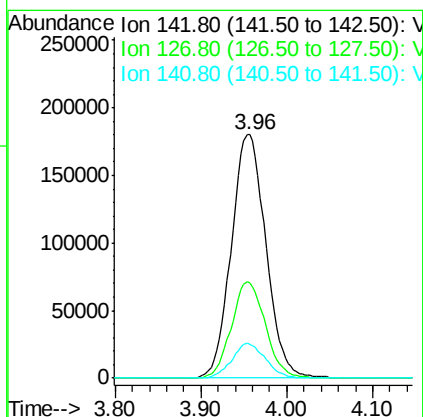
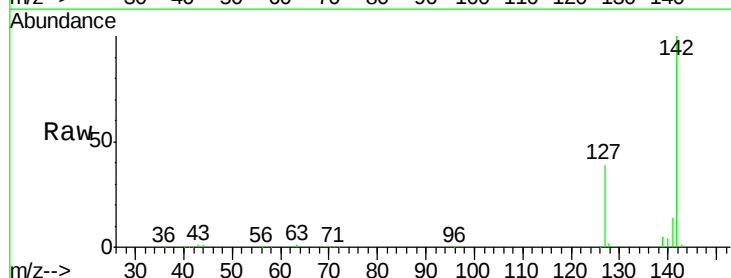
RT: 3.96 min Scan# 679

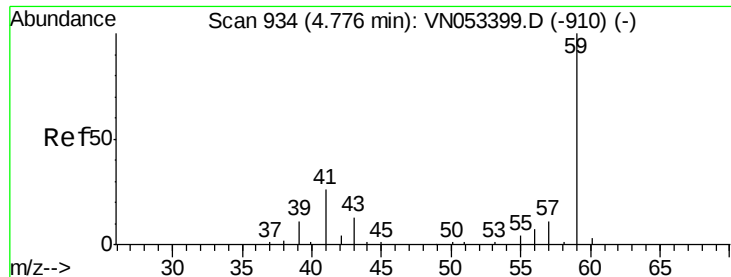
Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Tgt Ion:	142	Resp:	503173
Ion Ratio	Lower	Upper	
142	100		
127	38.9	31.0	46.4
141	13.9	11.1	16.7





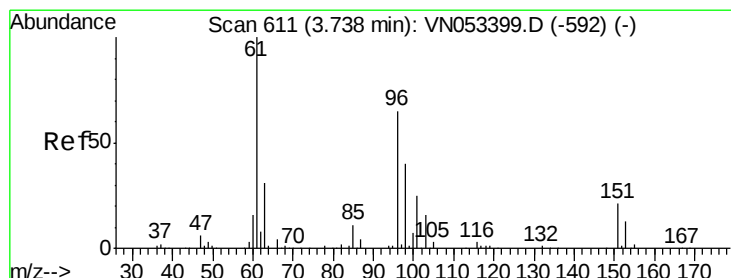
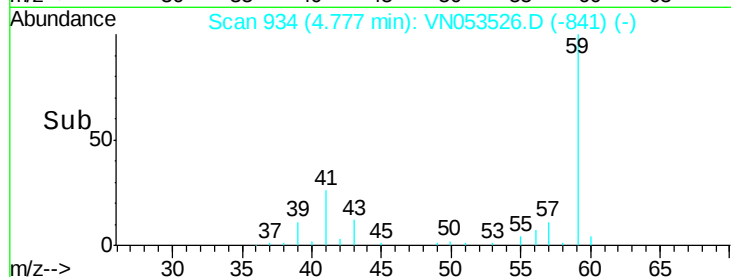
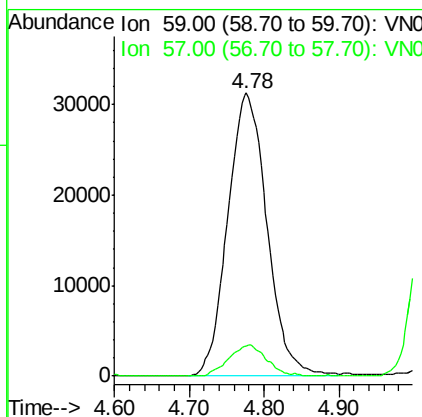
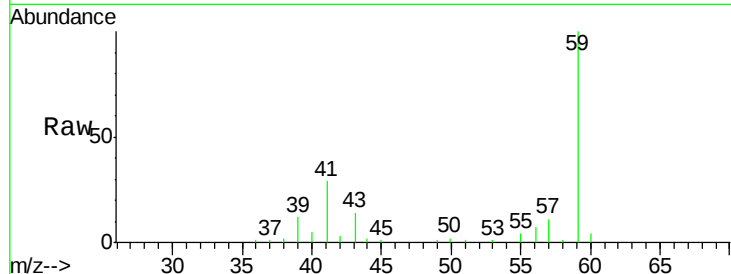
#11
Tert butyl alcohol
Concen: 305.995 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 114014
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.4

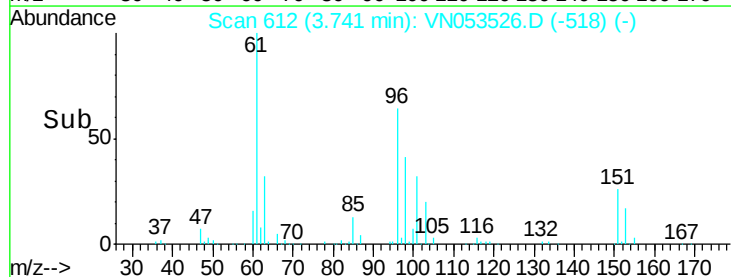
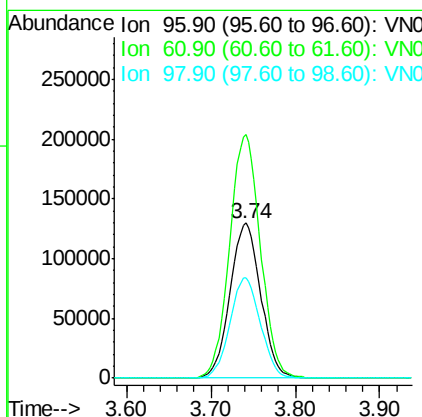
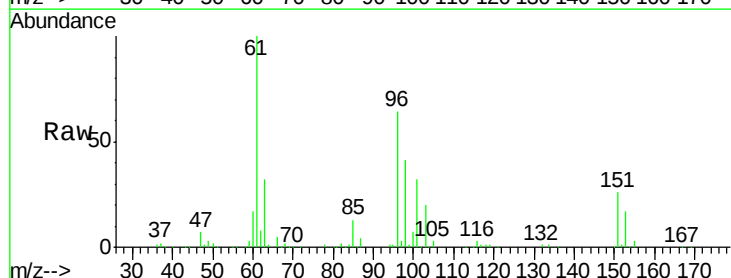
Manual Integrations
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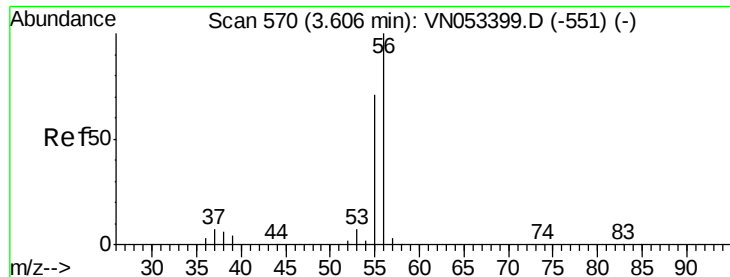
MMDadoda
1/24/2019 11:53:17 AM



#12
1,1-Dichloroethene
Concen: 47.878 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion: 96 Resp: 328398
Ion Ratio Lower Upper
96 100
61 157.3 122.9 184.3
98 65.0 49.4 74.0





#13

Acrolein

Concen: 250.046 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 181803

Ion Ratio Lower Upper

56 100

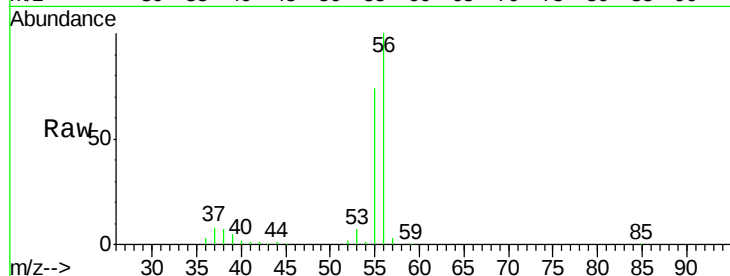
55 72.9 57.4 86.0

Manual Integrations

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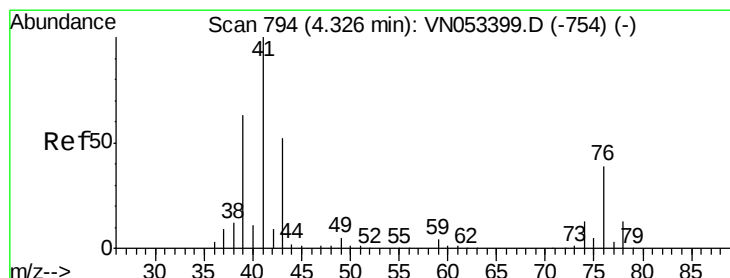
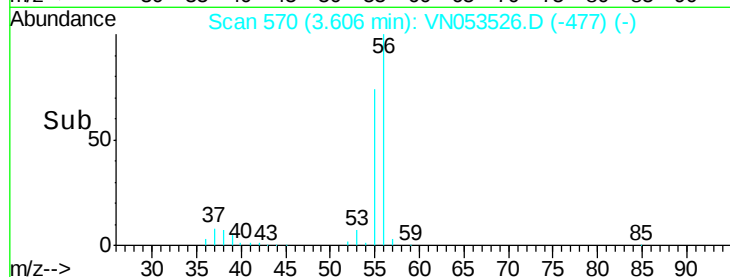
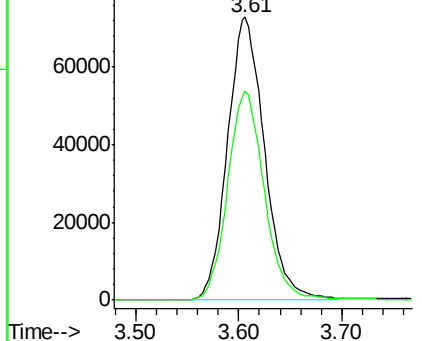
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.830 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

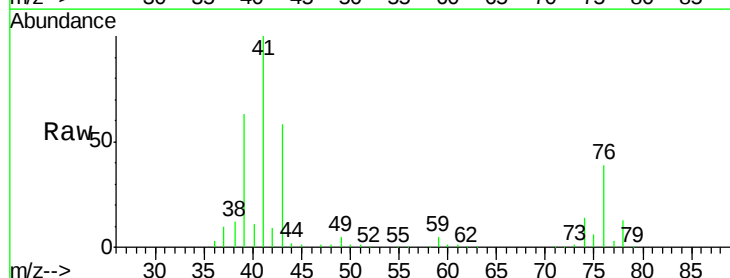
Tgt Ion: 41 Resp: 555170

Ion Ratio Lower Upper

41 100

39 61.3 48.9 73.3

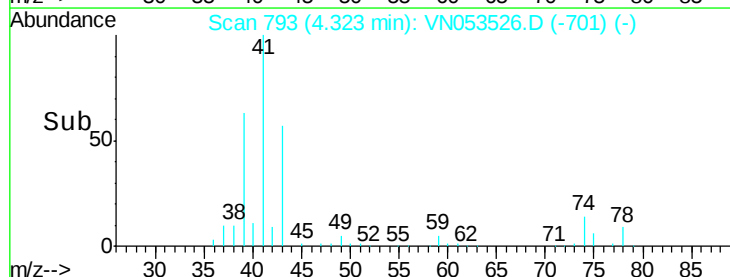
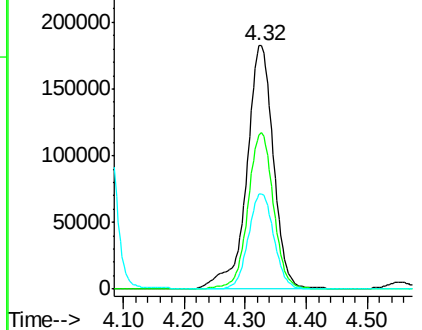
76 36.7 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 251.892 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

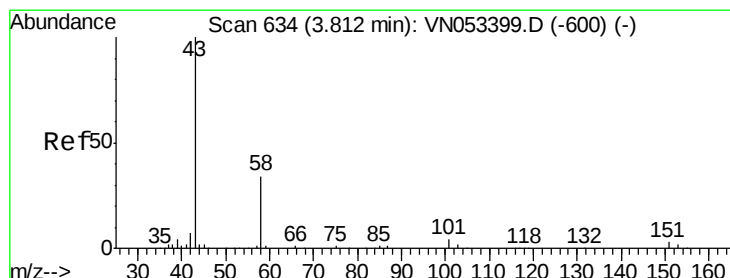
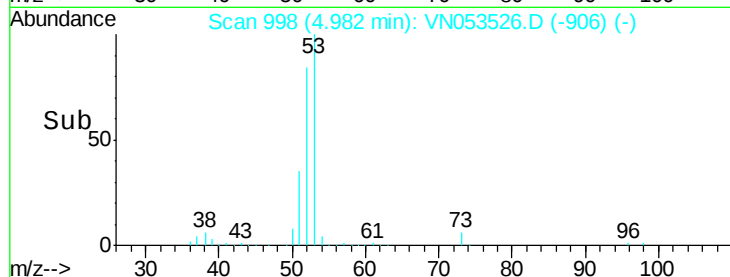
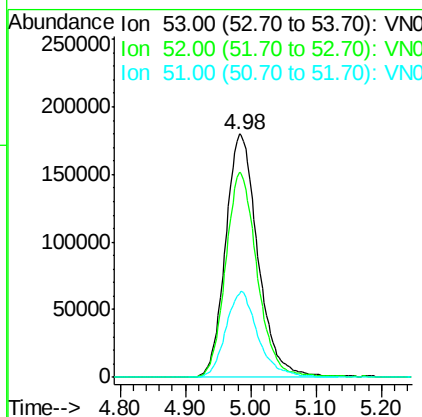
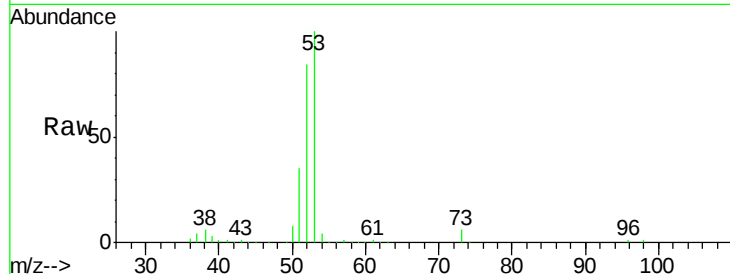
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	617672
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.0	99.0
51	35.2	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 303.513 ug/l

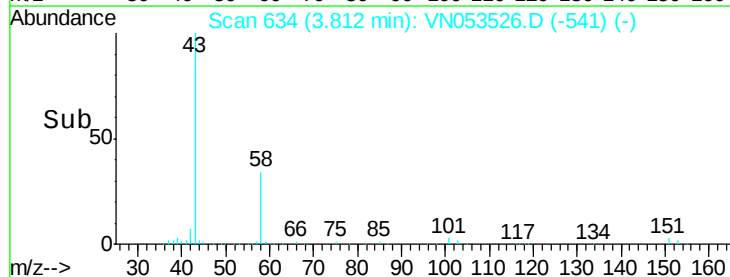
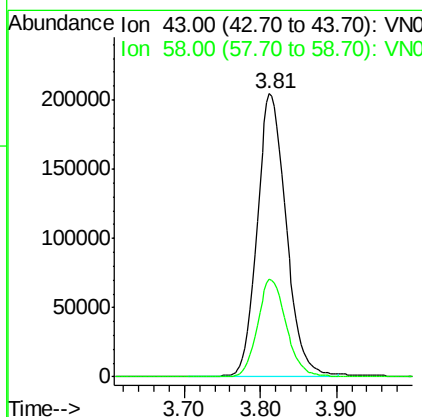
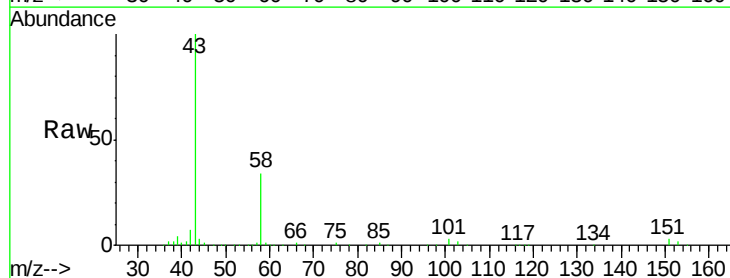
RT: 3.81 min Scan# 634

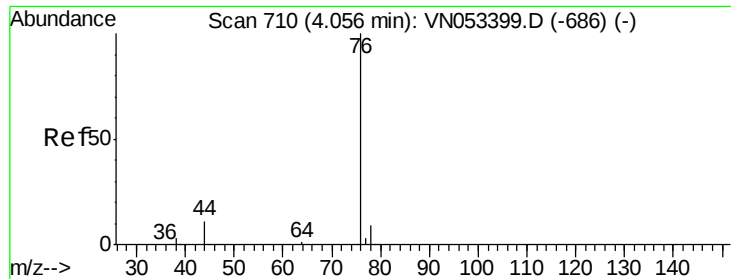
Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Tgt Ion:	43	Resp:	542239
Ion	Ratio	Lower	Upper
43	100		
58	34.4	27.1	40.7





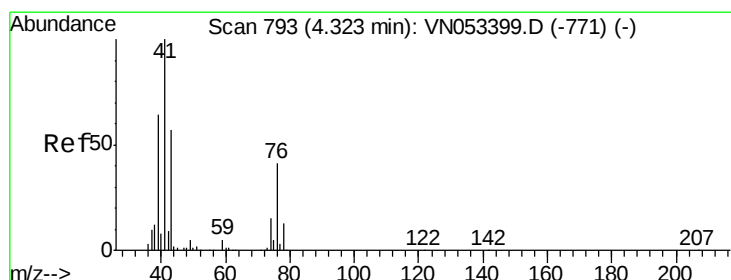
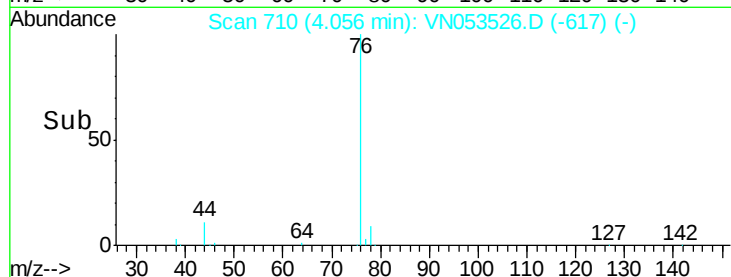
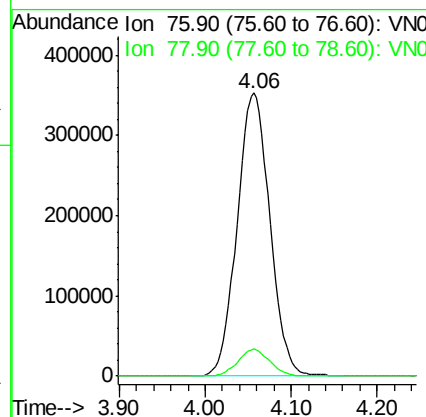
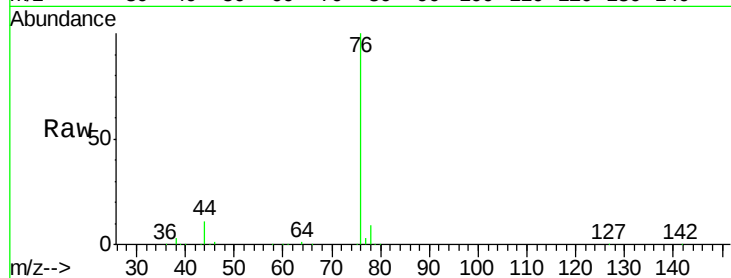
#17
Carbon Disulfide
Concen: 45.016 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

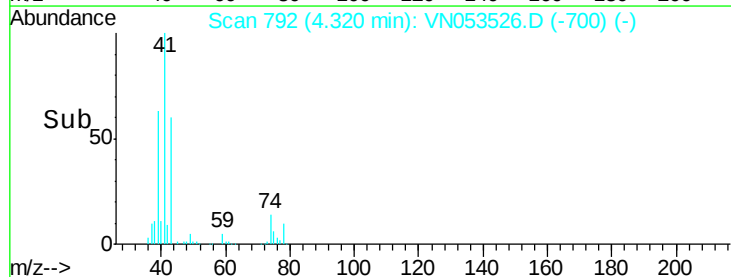
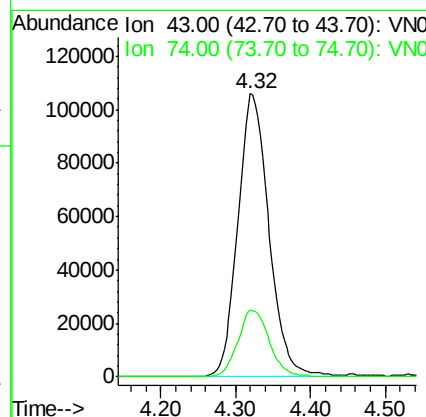
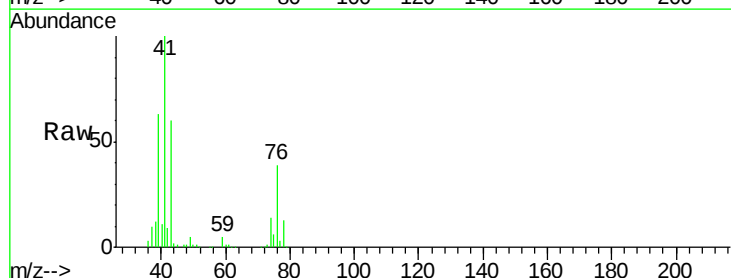
Manual Integrations
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#18
Methyl Acetate
Concen: 50.603 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.4	29.2





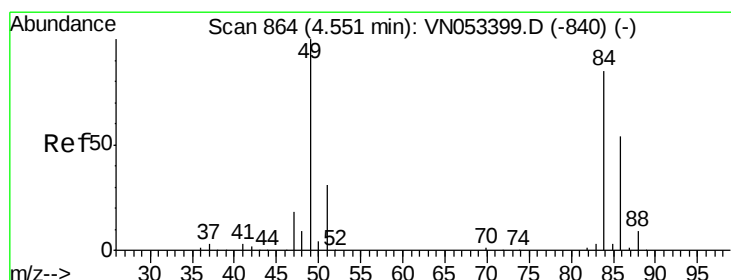
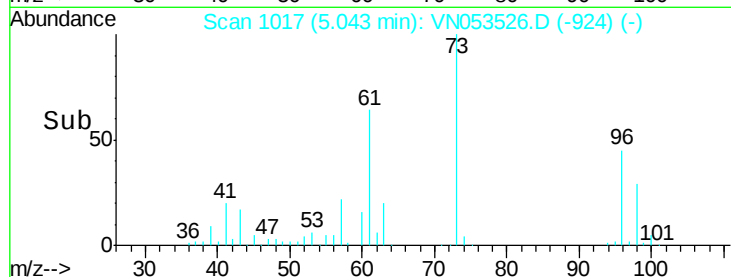
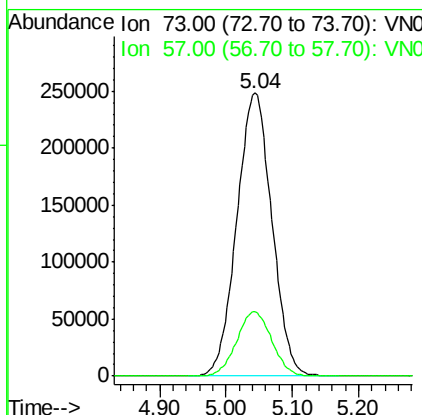
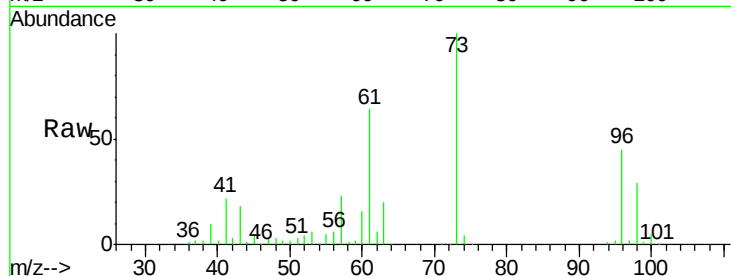
#19
Methvl tert-butvl Ether
Concen: 50.024 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 911674
Ion Ratio Lower Upper
73 100
57 22.8 18.3 27.5

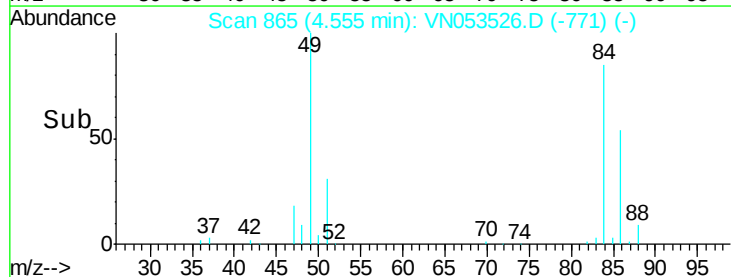
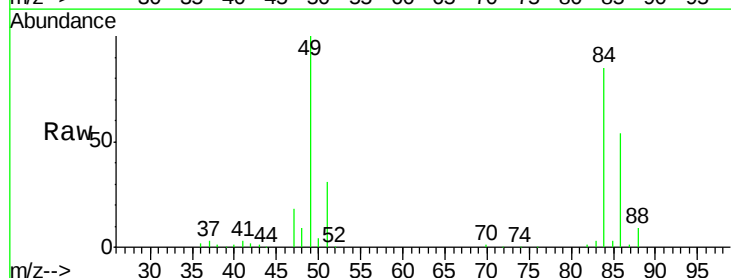
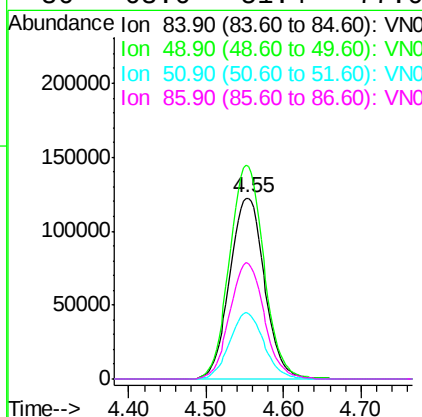
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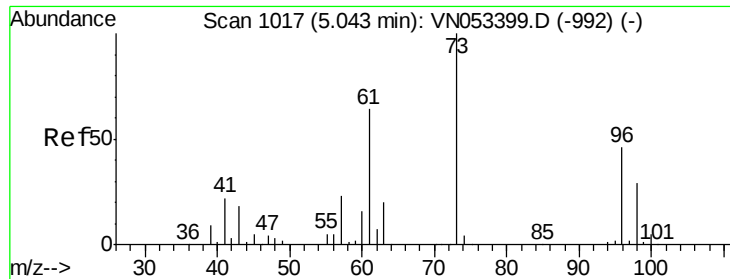
MMDadoda
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#20
Methylene Chloride
Concen: 46.972 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion: 84 Resp: 383131
Ion Ratio Lower Upper
84 100
49 117.2 94.3 141.5
51 36.3 29.4 44.2
86 63.6 51.4 77.0





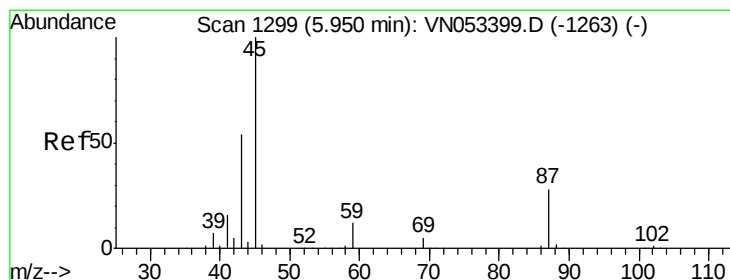
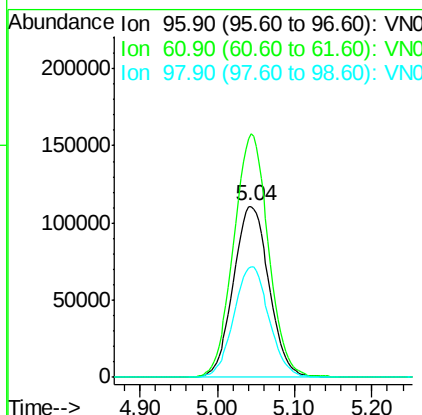
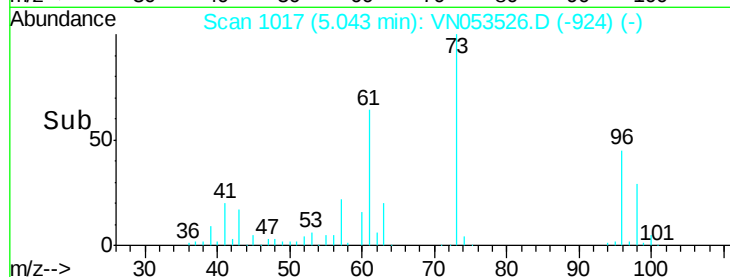
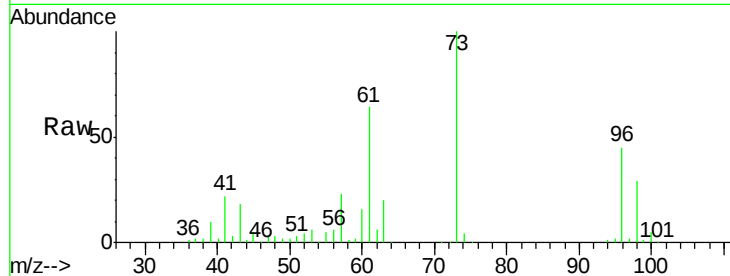
#21
trans-1,2-Dichloroethene
Concen: 48.528 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.3	110.1	165.1
98	64.9	50.0	75.0

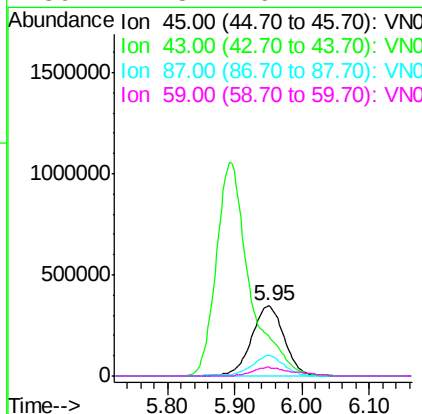
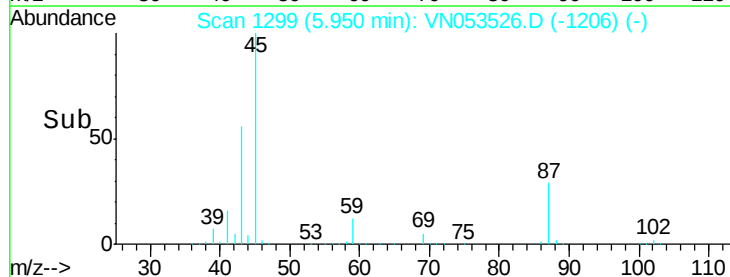
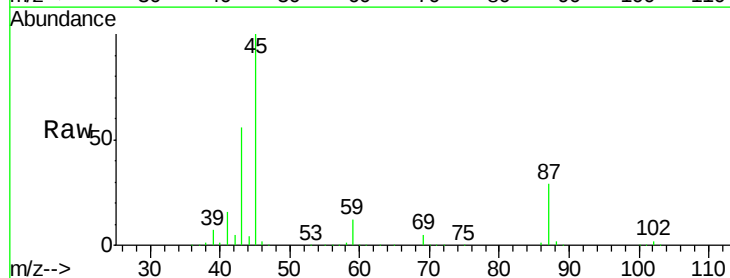
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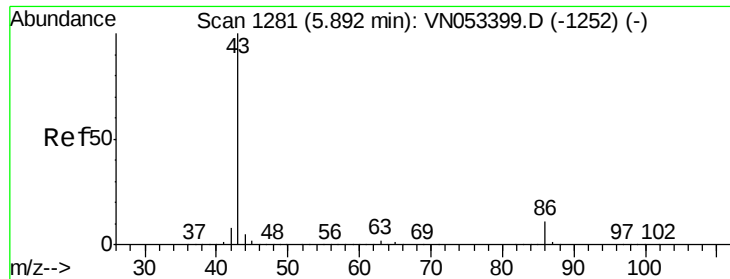
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#22
Diisopropyl ether
Concen: 50.138 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.6	44.2	66.4
87	28.8	22.7	34.1
59	11.8	9.4	14.2





#23

Vinyl Acetate

Concen: 254.618 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3640332

Ion Ratio Lower Upper

43 100

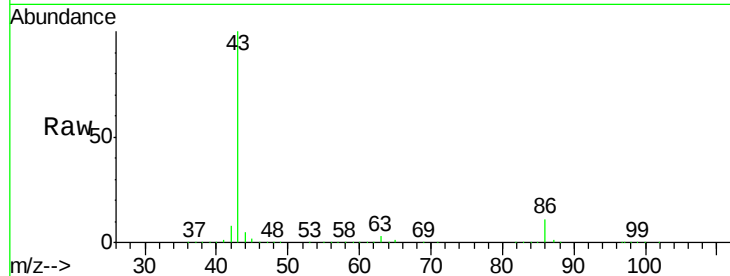
86 10.6 8.4 12.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

1200000

1000000

800000

600000

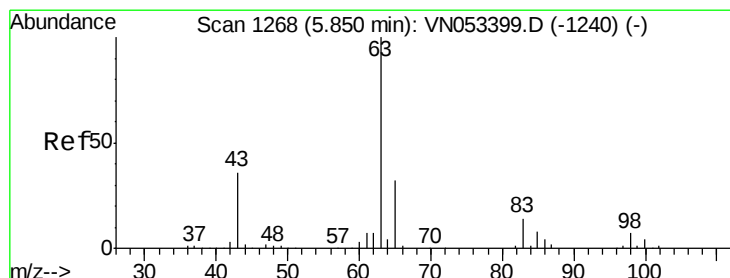
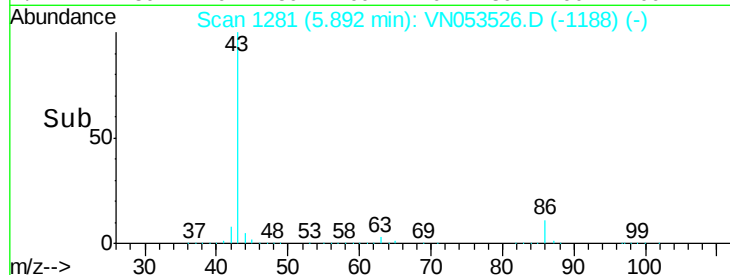
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 49.281 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

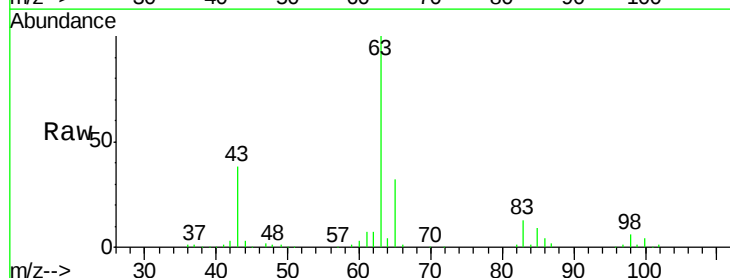
Tgt Ion: 63 Resp: 677582

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

100 4.4 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

250000

200000

150000

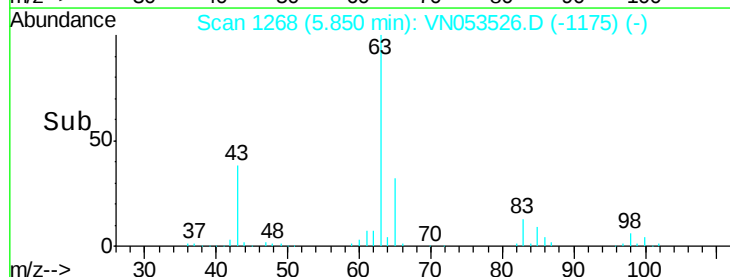
100000

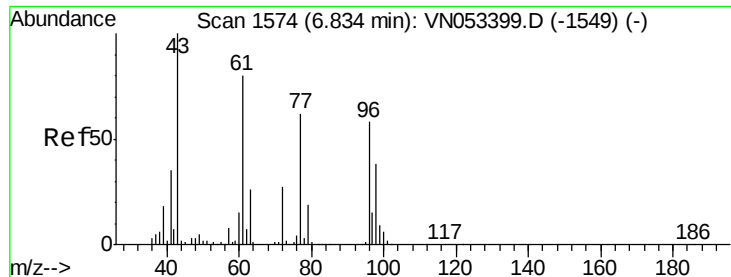
50000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 267.006 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 735089

Ion Ratio Lower Upper

43 100

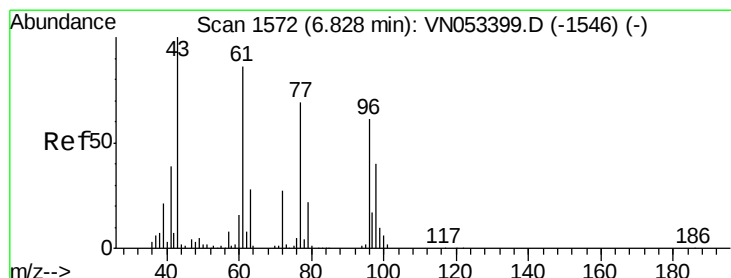
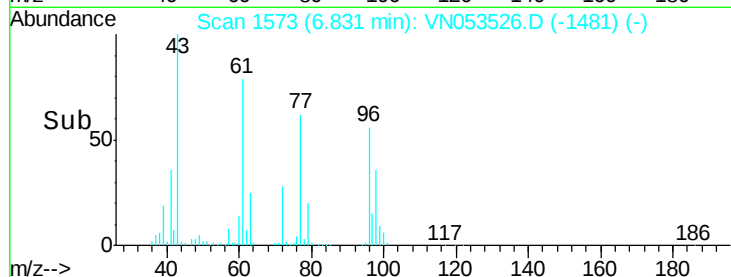
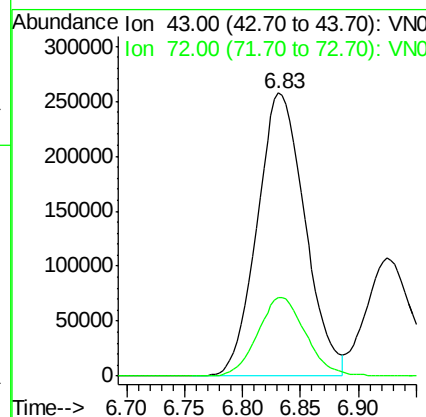
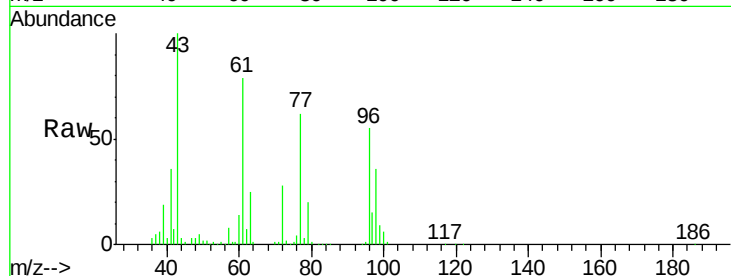
72 27.9 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.945 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053526.D

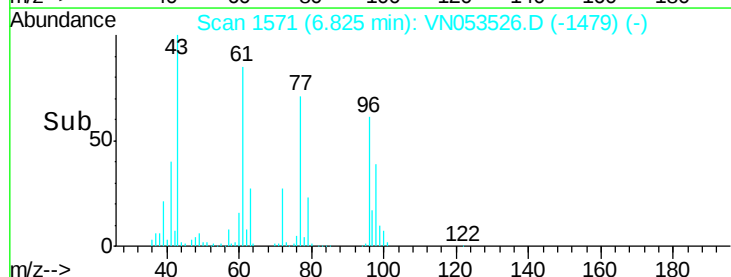
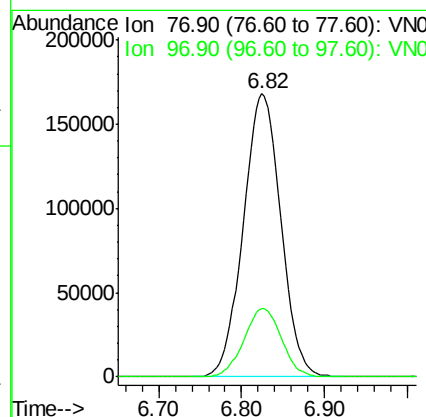
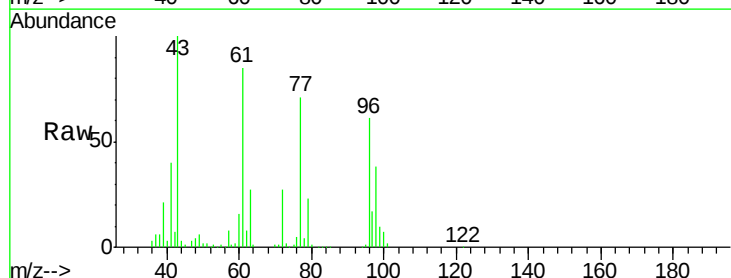
Acq: 23 Jan 2019 9:44

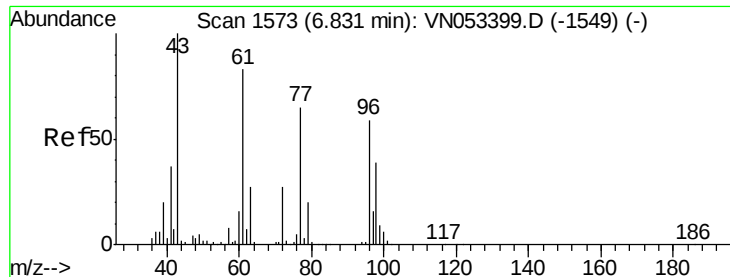
Tgt Ion: 77 Resp: 528867

Ion Ratio Lower Upper

77 100

97 24.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 49.792 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

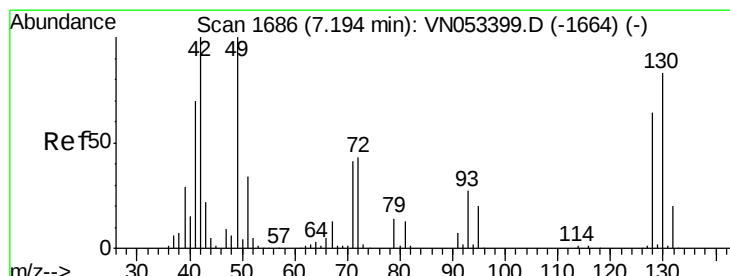
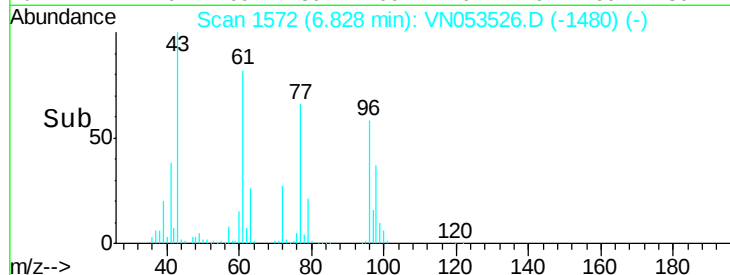
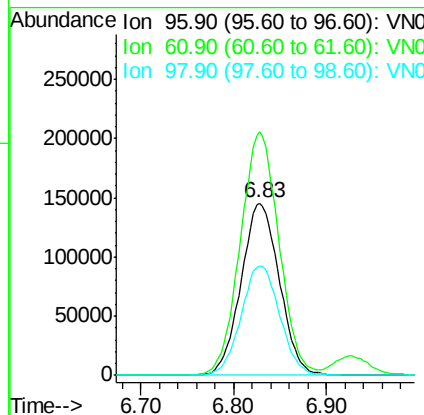
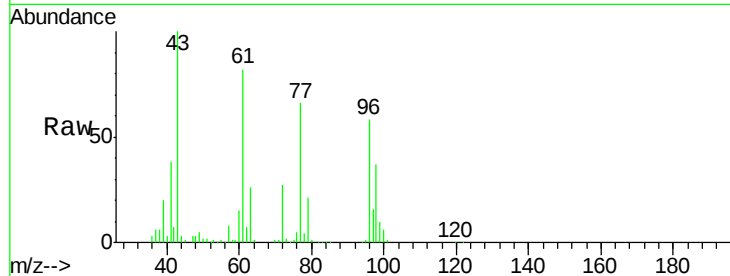
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	417530
Ion	Ratio	Lower	Upper
96	100		
61	142.4	0.0	283.8
98	64.3	0.0	129.2

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#28

Bromochloromethane

Concen: 47.150 ug/l

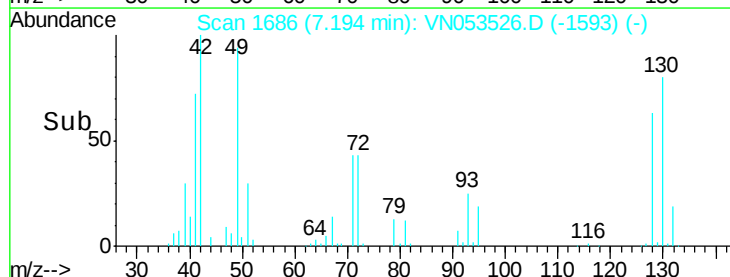
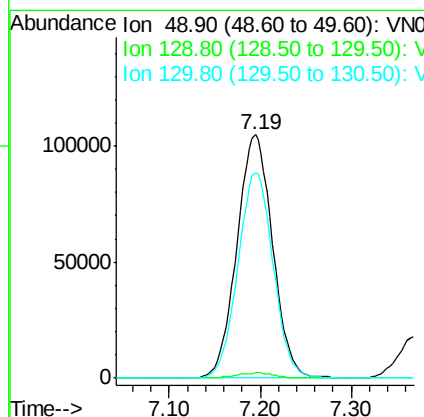
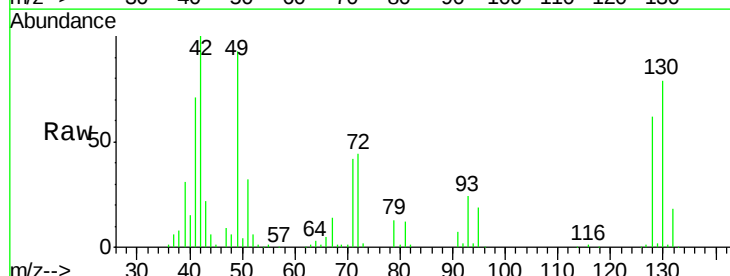
RT: 7.19 min Scan# 1686

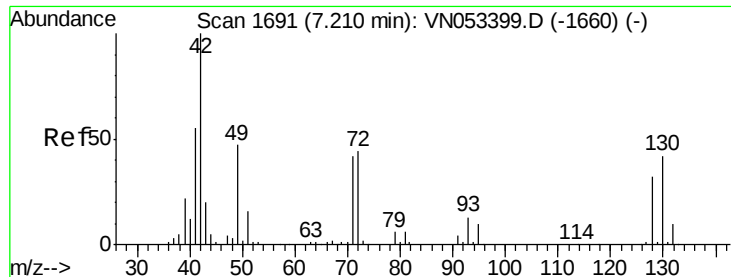
Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Tgt Ion:	49	Resp:	285598
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	83.4	66.3	99.5





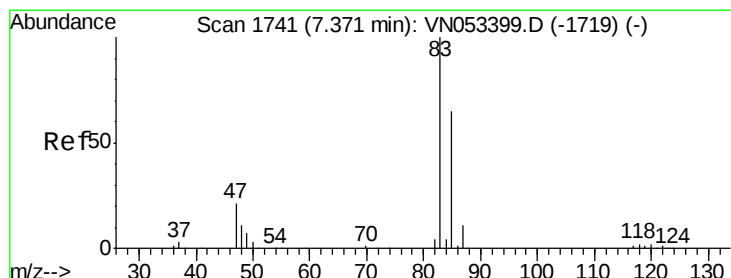
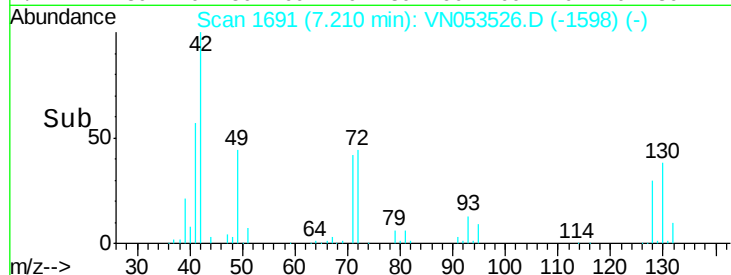
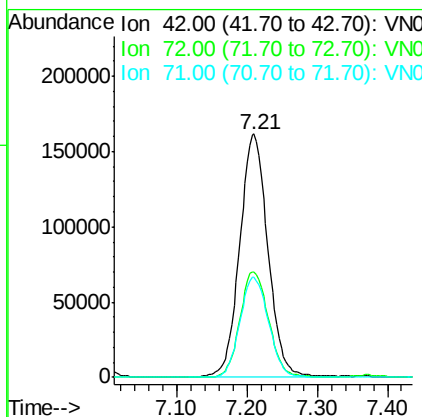
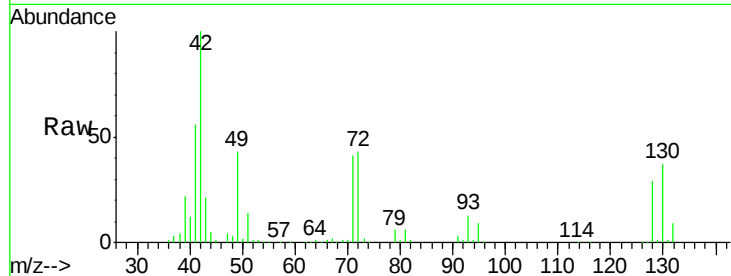
#29
Tetrahydrofuran
Concen: 250.944 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.2	52.8
71	41.9	33.0	49.4

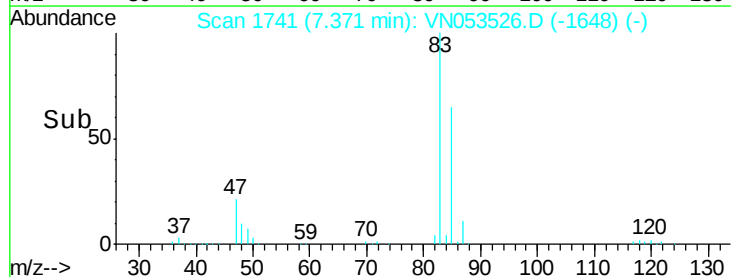
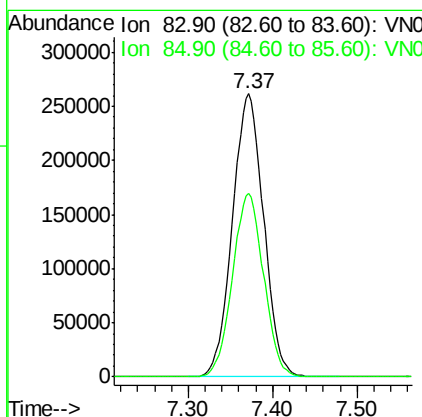
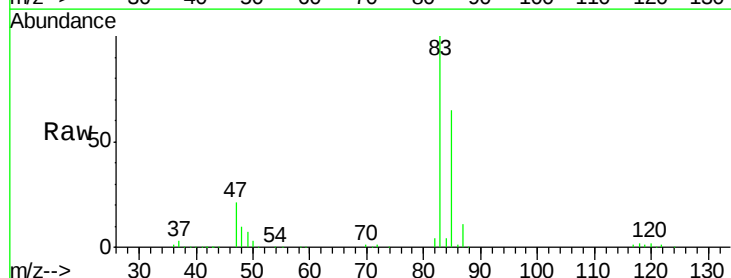
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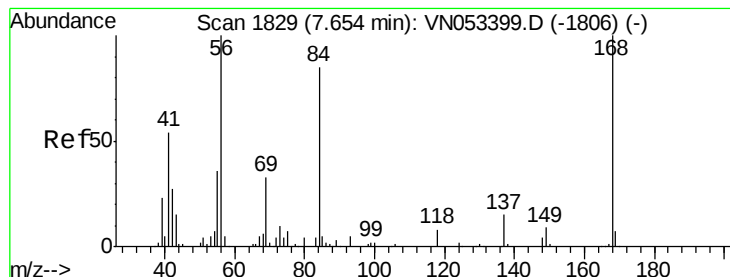
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#30
Chloroform
Concen: 50.314 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.2	78.2





#31

Cyclohexane

Concen: 47.212 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

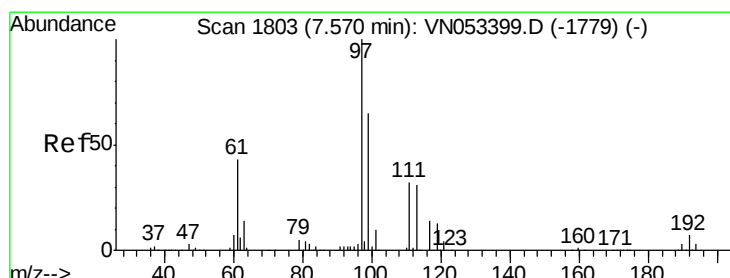
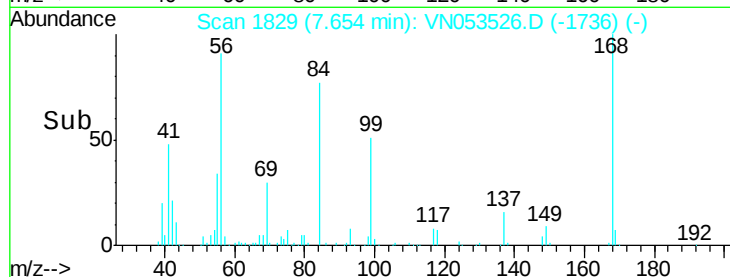
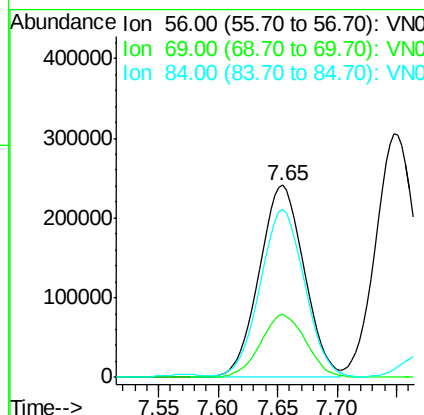
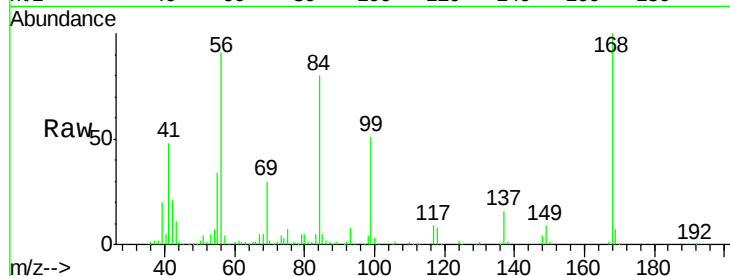
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	631894
Ion	Ratio	Lower	Upper
56	100		
69	32.6	26.4	39.6
84	86.0	67.9	101.9

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#32

1,1,1-Trichloroethane

Concen: 49.691 ug/l

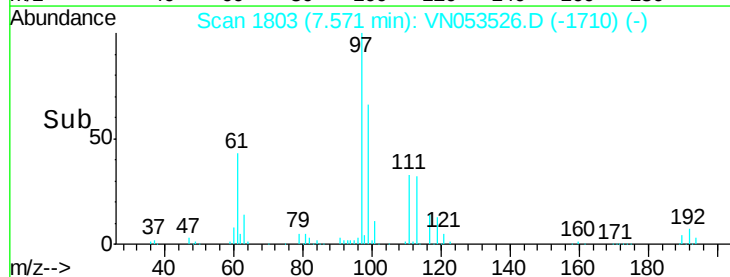
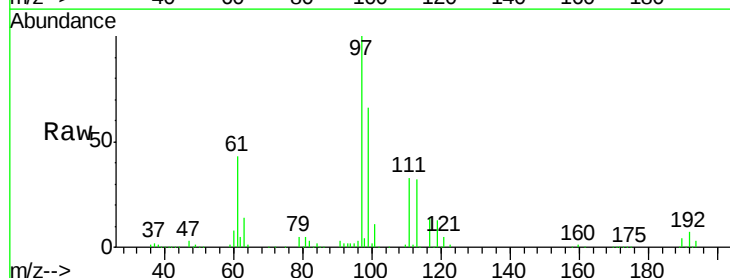
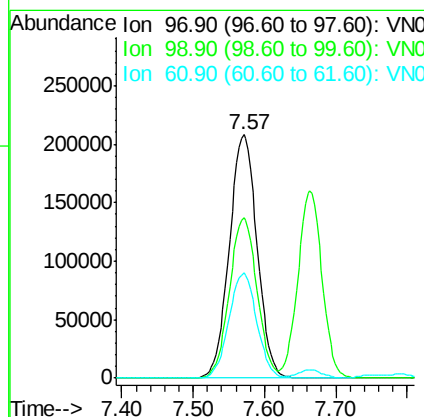
RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Tgt Ion:	97	Resp:	564683
Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.0	78.0
61	43.2	34.4	51.6





#33

1,2-Dichloroethane-d4

Concen: 49.691 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 356365

Ion Ratio Lower Upper

65 100

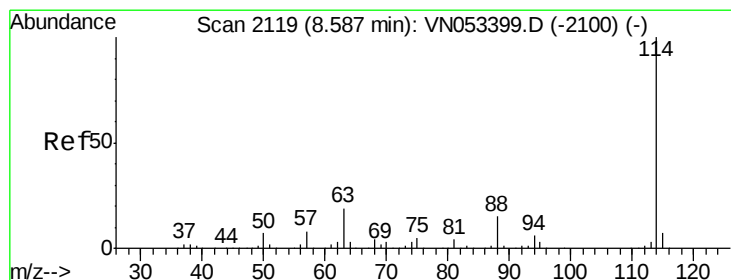
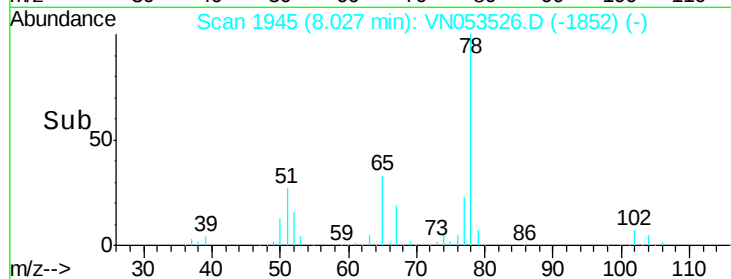
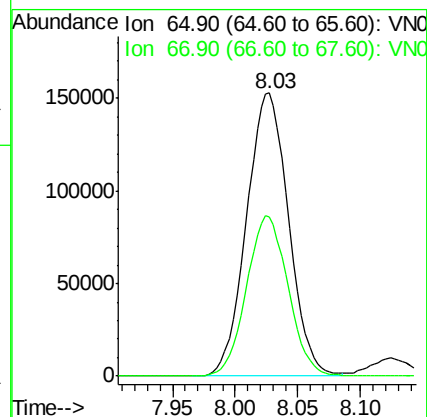
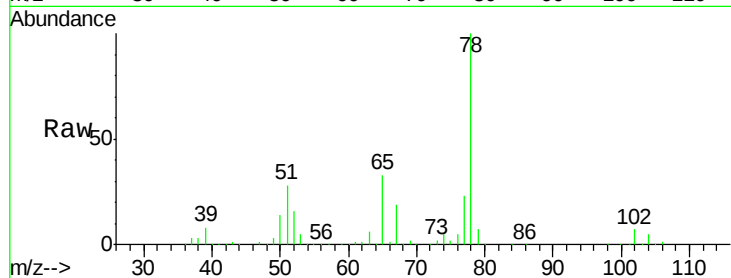
67 56.0 0.0 111.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

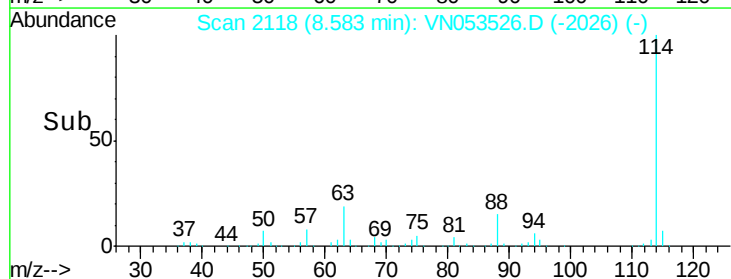
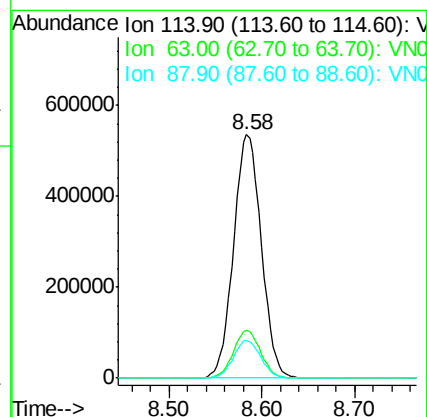
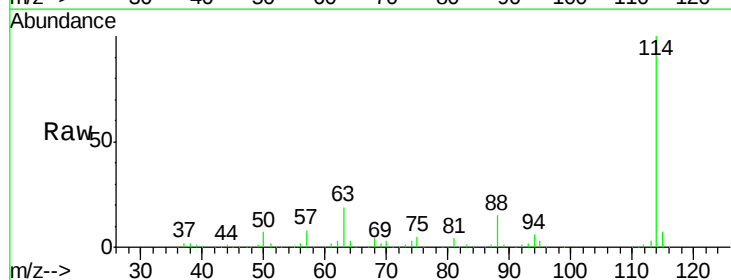
Tgt Ion: 114 Resp: 1111765

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

88 15.4 0.0 30.4





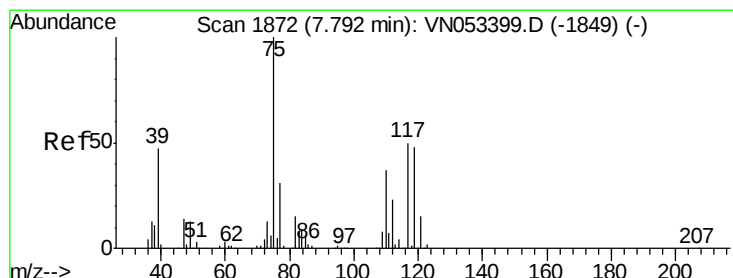
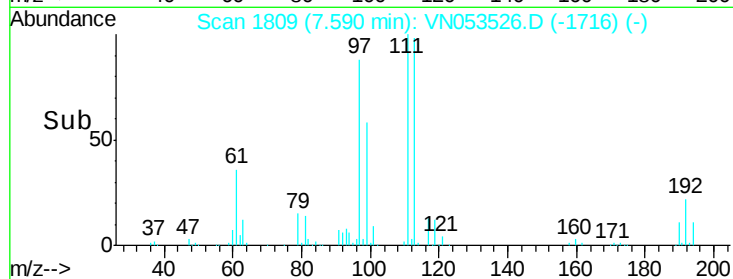
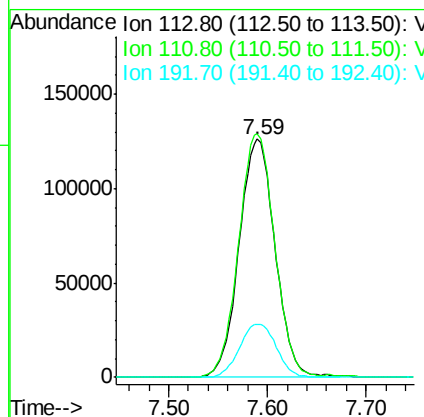
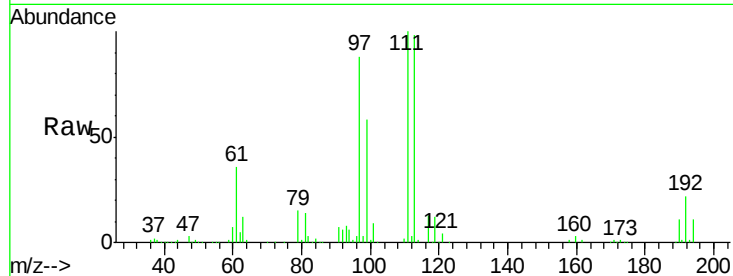
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.4	81.1	121.7	
192	22.8	18.2	27.2	

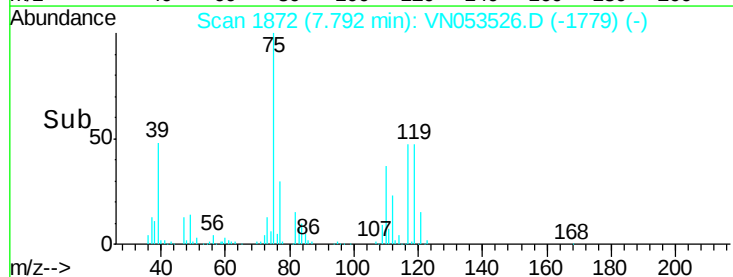
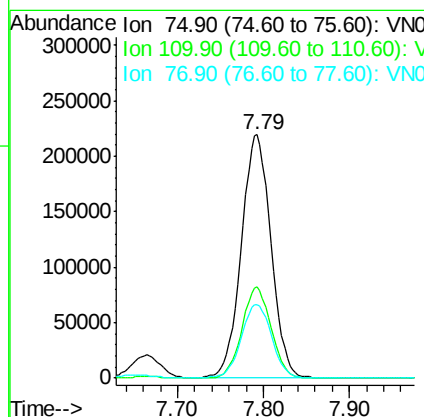
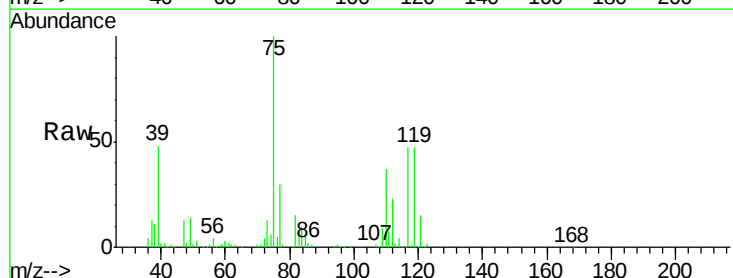
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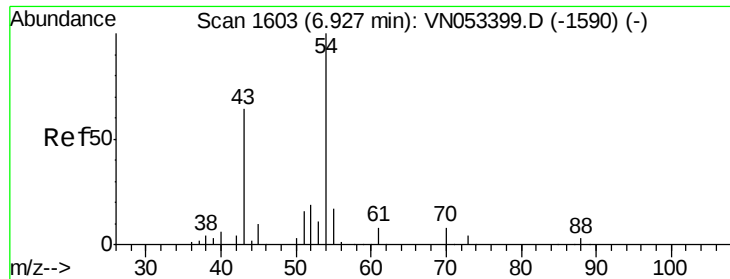
MMDadoda
 1/24/2019 11:53:17 AM



#36
 1,1-Dichloropropene
 Concen: 51.681 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.7	18.1	54.3	
77	31.3	25.1	37.7	





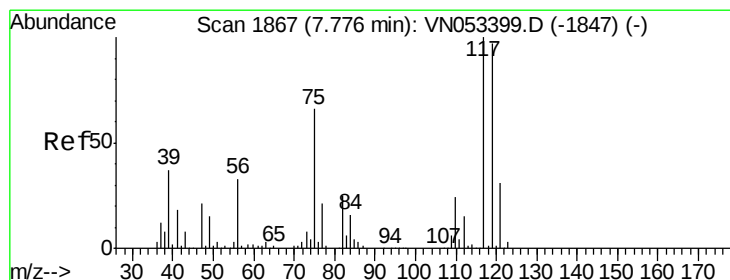
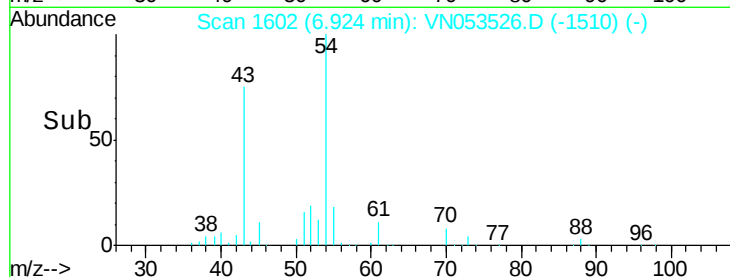
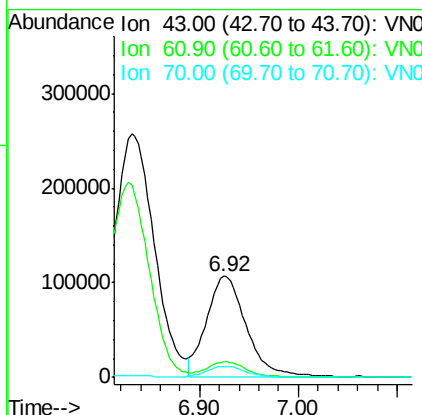
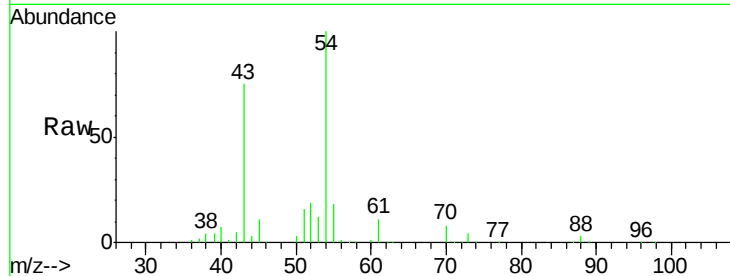
#37
Ethyl Acetate
Concen: 51.025 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.6
70	10.7	8.6	12.8

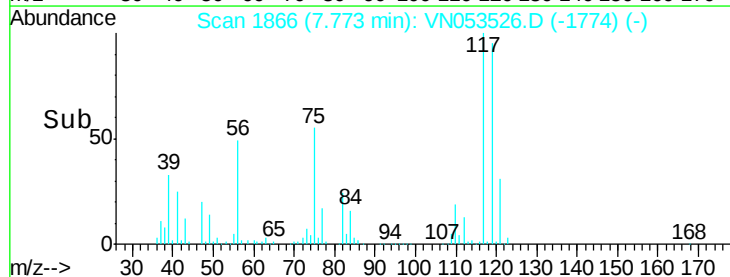
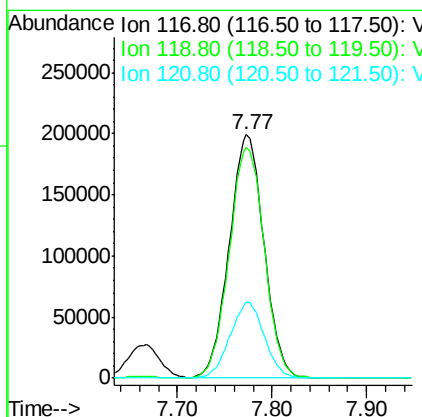
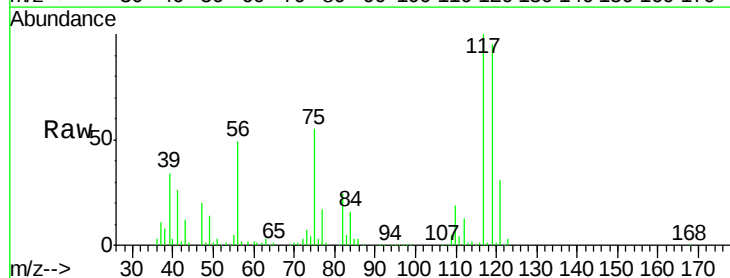
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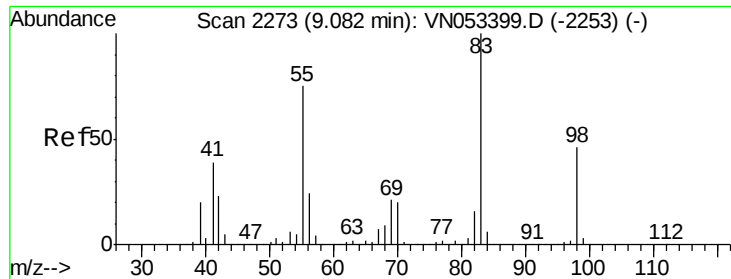
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#38
Carbon Tetrachloride
Concen: 52.681 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.2	115.8
121	31.3	24.6	37.0





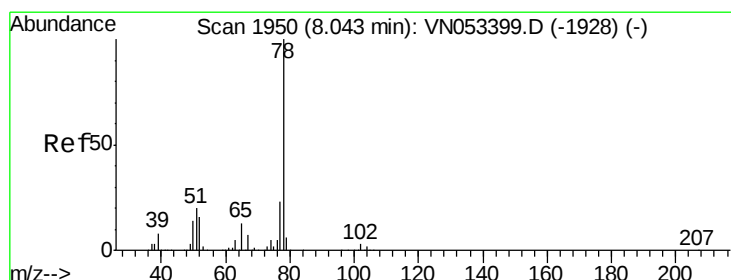
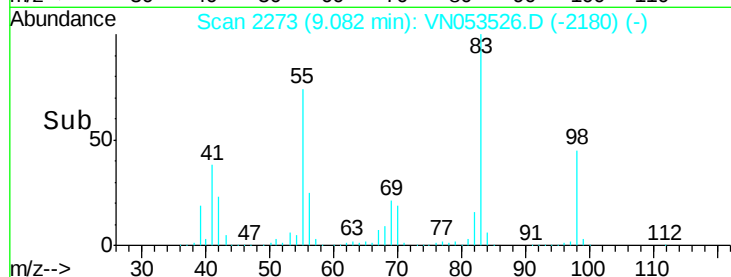
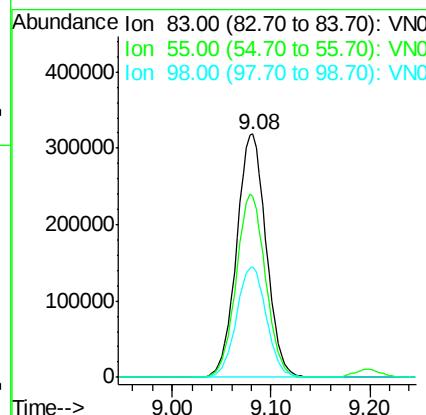
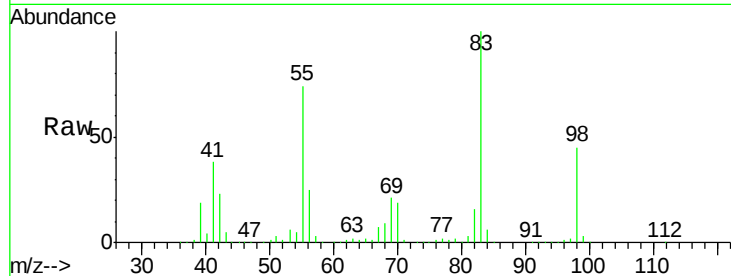
#39
Methvlcvclohexane
Concen: 52.889 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	661874
Ion Ratio	100	Lower	Upper
83	100		
55	74.3	60.1	90.1
98	45.1	36.6	55.0

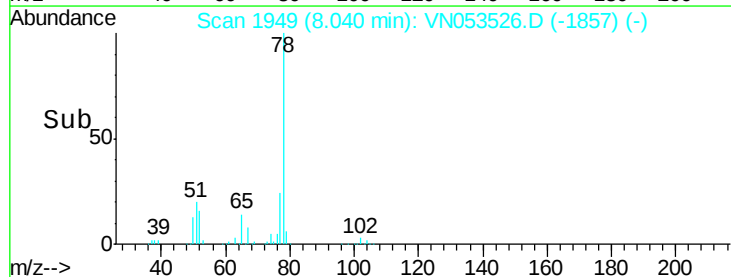
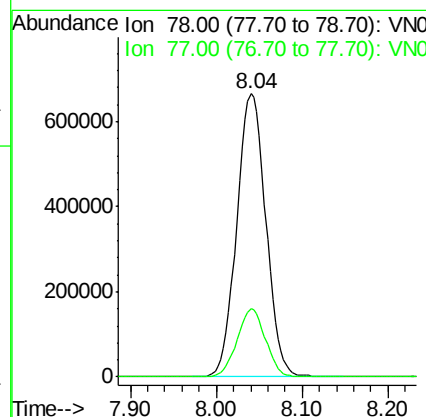
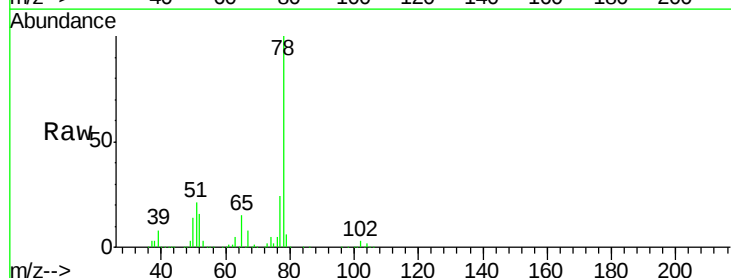
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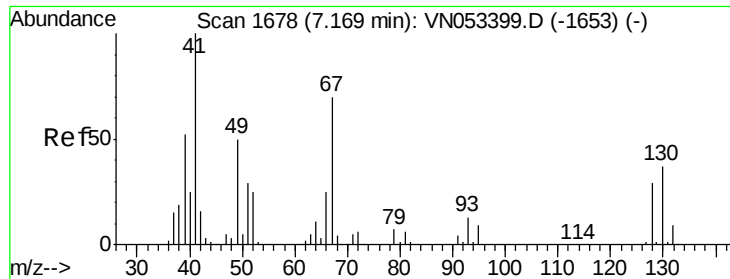
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#40
Benzene
Concen: 50.895 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion	78	Resp	1565943
Ion Ratio	100	Lower	Upper
78	100		
77	23.9	18.8	28.2





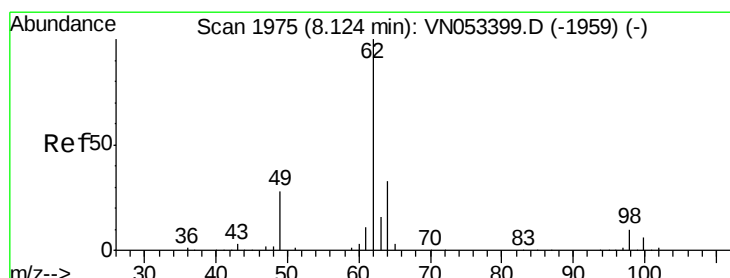
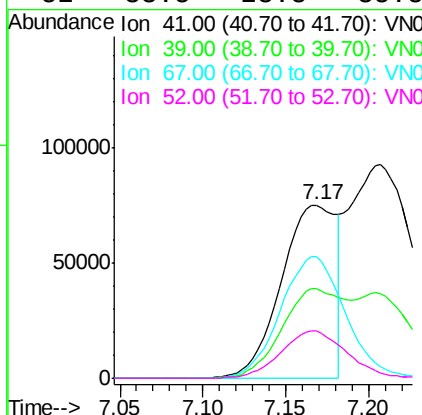
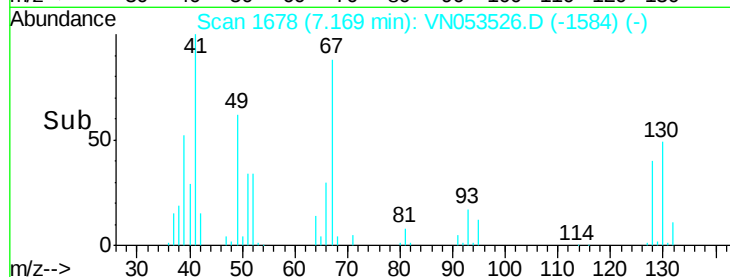
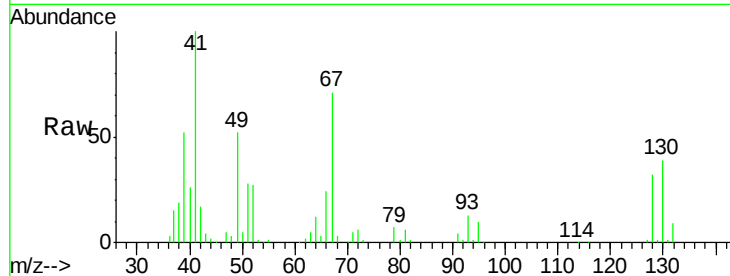
#41
Methacrylonitrile
Concen: 49.996 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	173053
Ion Ratio	Lower	Upper	
41	100		
39	57.9	46.8	70.2
67	83.0	63.0	94.6
52	33.5	23.8	35.8

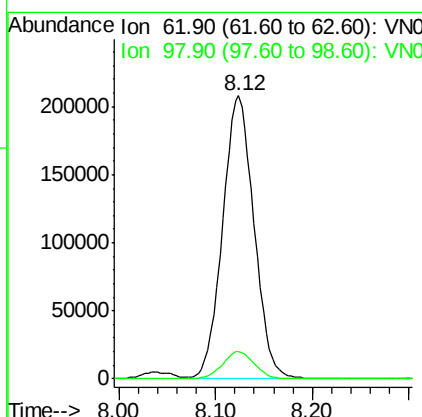
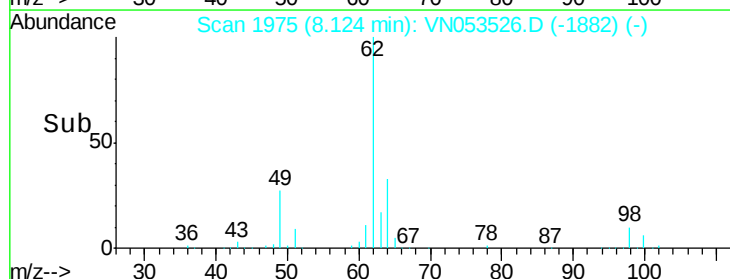
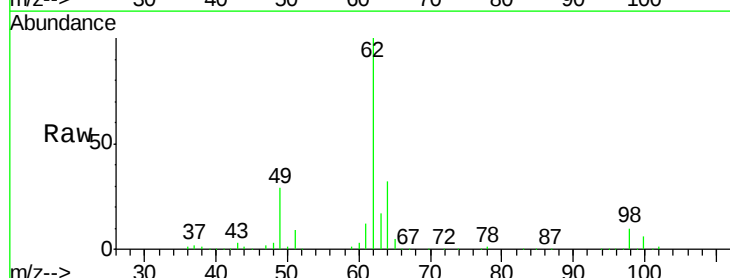
Manual Integrations
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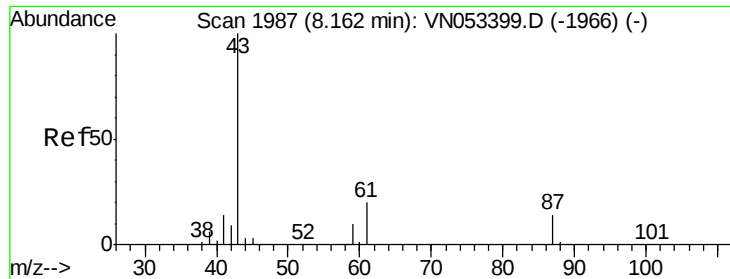
MMDadoda
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#42
1,2-Dichloroethane
Concen: 52.078 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion	62	Resp	466810
Ion Ratio	Lower	Upper	
62	100		
98	9.9	0.0	19.6





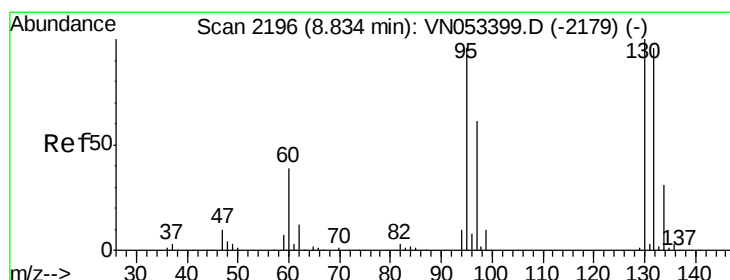
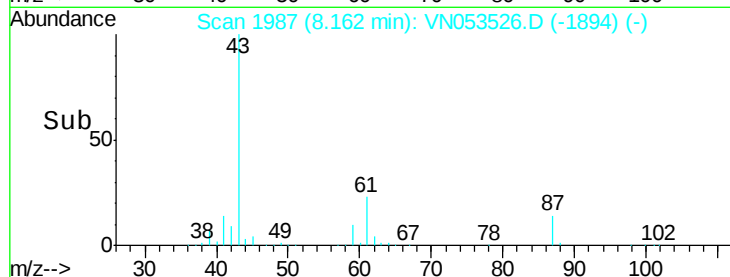
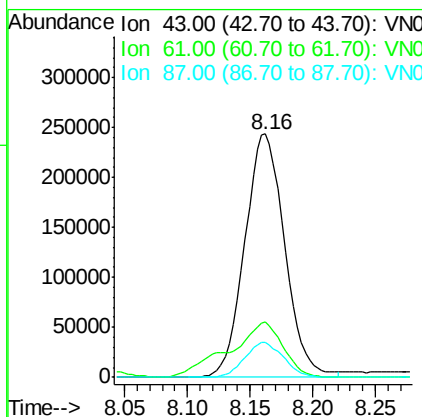
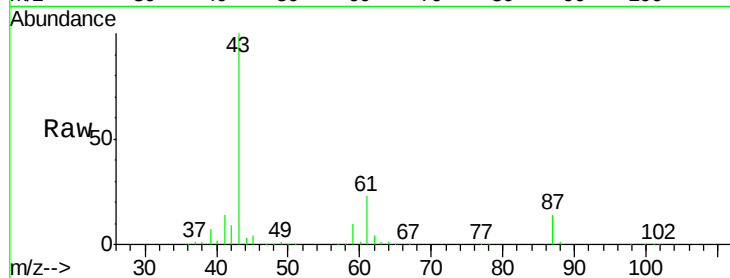
#43
Isopropyl Acetate
Concen: 51.543 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.7	23.9	35.9
87	14.0	11.0	16.6

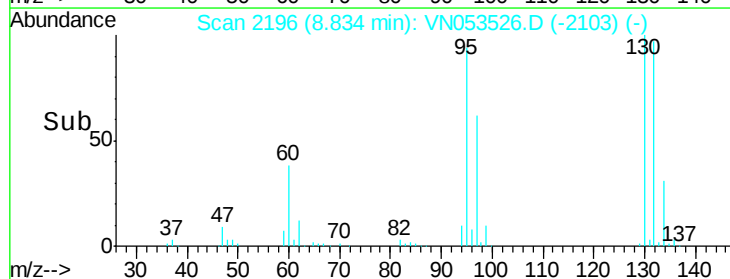
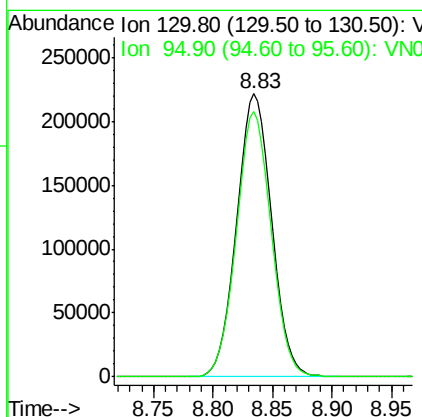
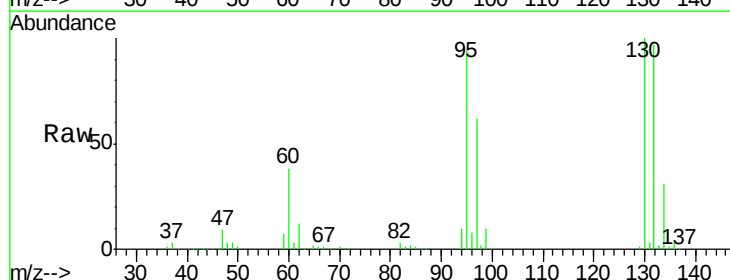
Manual Integrations
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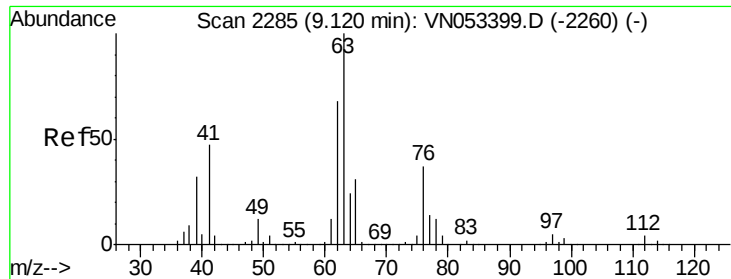
MMDadoda
1/24/2019 11:53:17 AM



#44
Trichloroethene
Concen: 52.879 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	191.4





#45

1,2-Dichloropropane

Concen: 50.900 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 414807

Ion Ratio Lower Upper

63 100

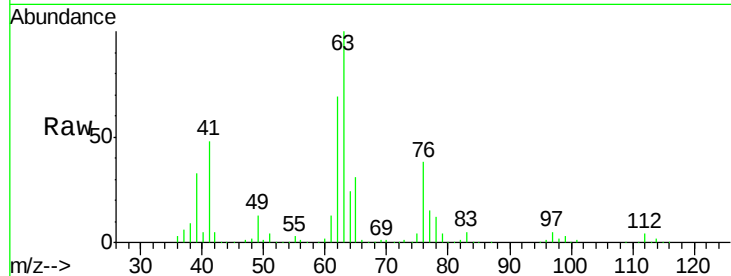
65 31.1 25.0 37.4

Manual Integrations

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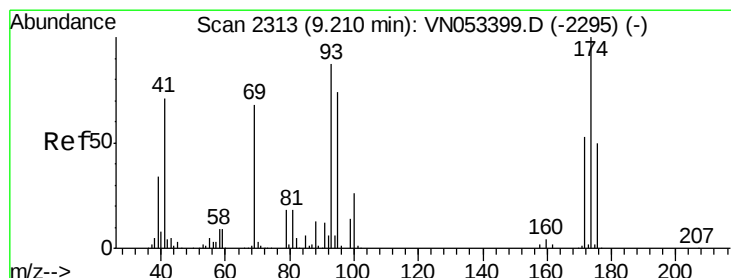
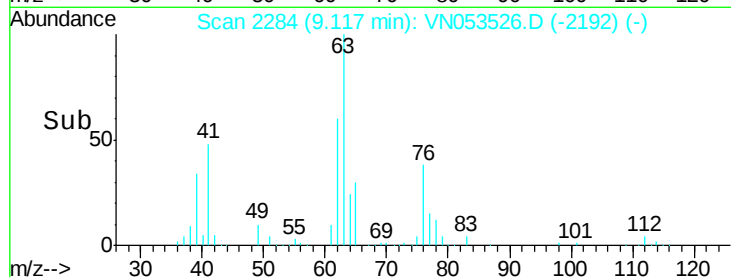
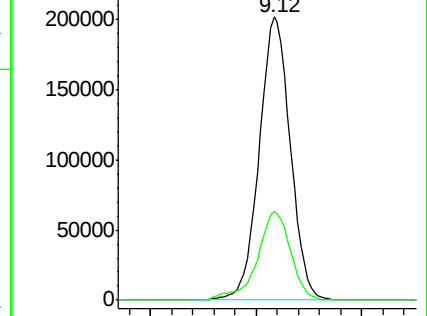
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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 50.565 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

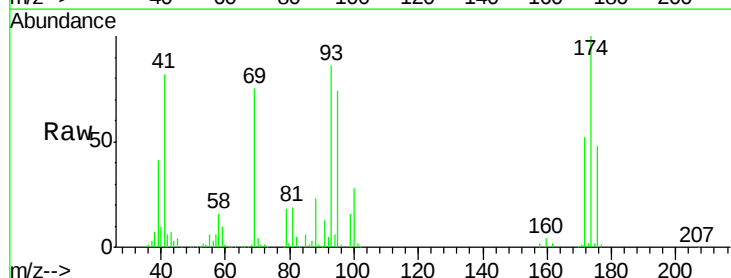
Tgt Ion: 93 Resp: 236757

Ion Ratio Lower Upper

93 100

95 84.2 67.3 100.9

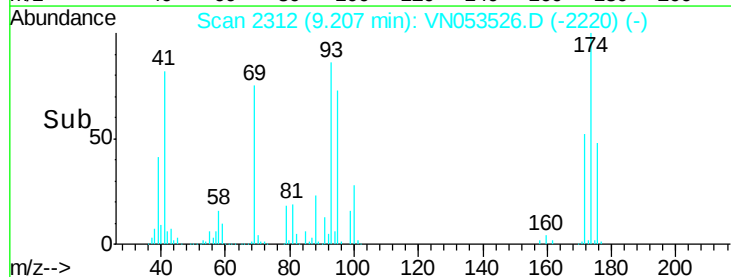
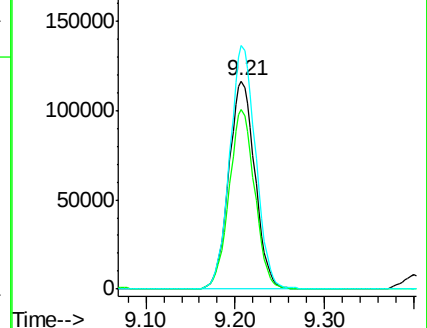
174 115.6 91.0 136.4



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 52.840 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

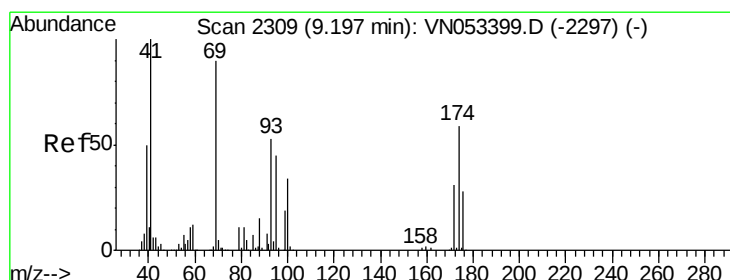
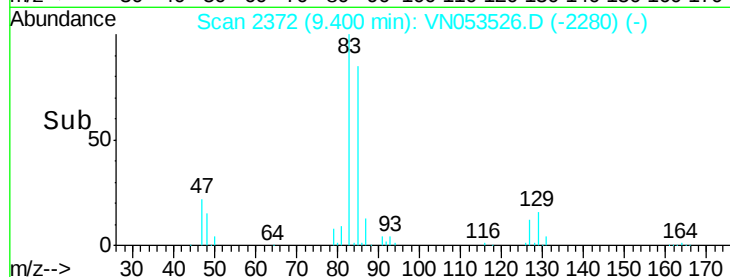
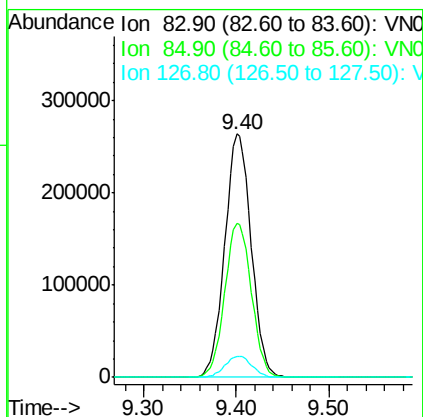
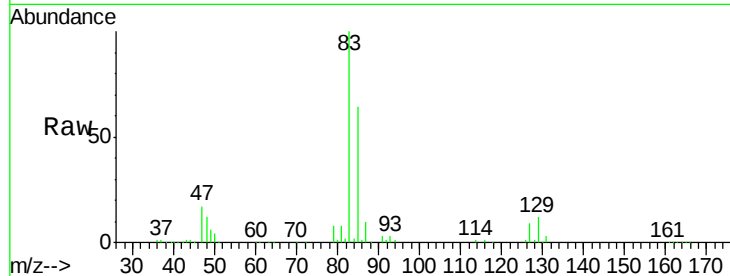
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	520298
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.0	76.6
127	8.8	7.0	10.6

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#48

Methyl methacrylate

Concen: 50.274 ug/l

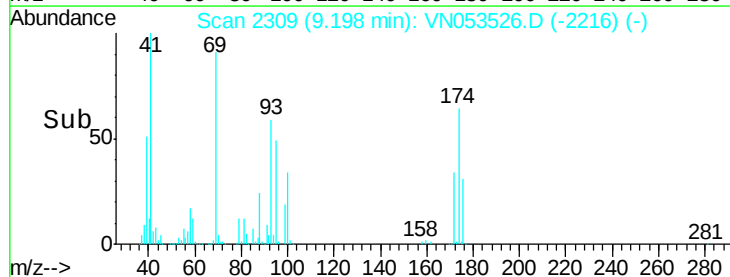
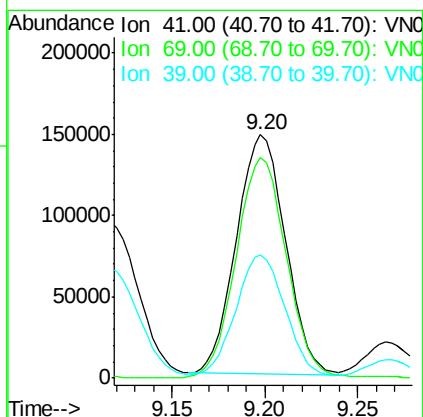
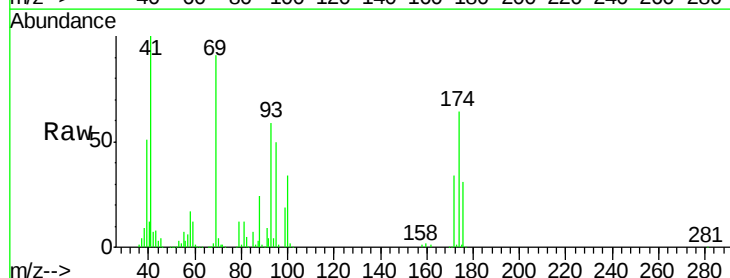
RT: 9.20 min Scan# 2309

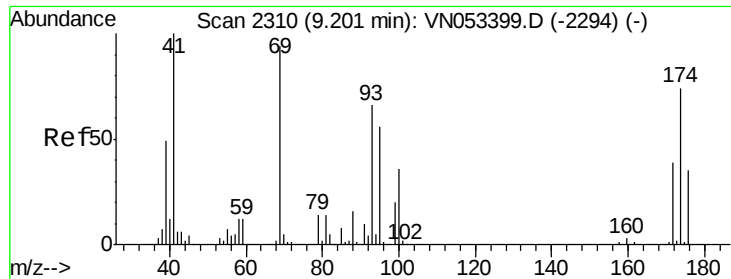
Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Tgt Ion:	41	Resp:	271889
Ion Ratio	Lower	Upper	
41	100		
69	94.6	73.8	110.6
39	52.3	40.0	60.0





#49

1,4-Dioxane

Concen: 1441.036 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053526.D

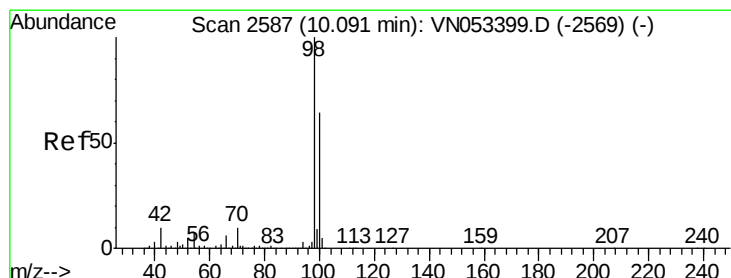
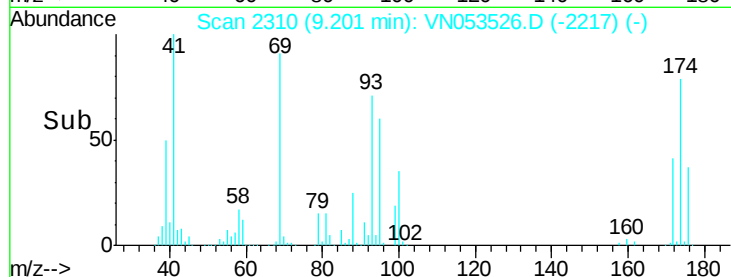
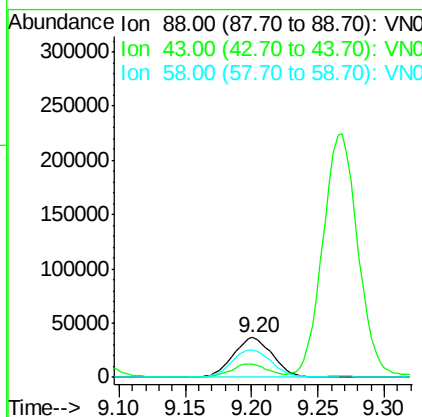
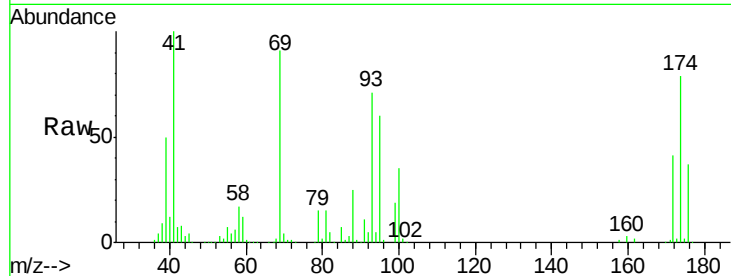
Acq: 23 Jan 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	88	Resp:	76112
Ion	Ratio	Lower	Upper
88	100		
43	30.4	27.8	41.6
58	70.3	56.5	84.7

Manual Integrations
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#50

Toluene-d8

Concen: 1441.036 ug/l

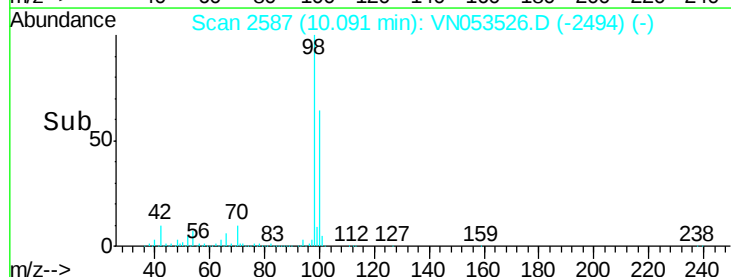
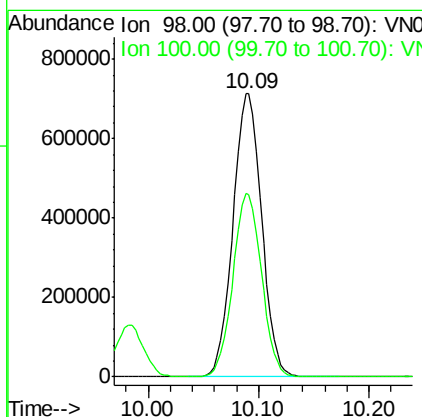
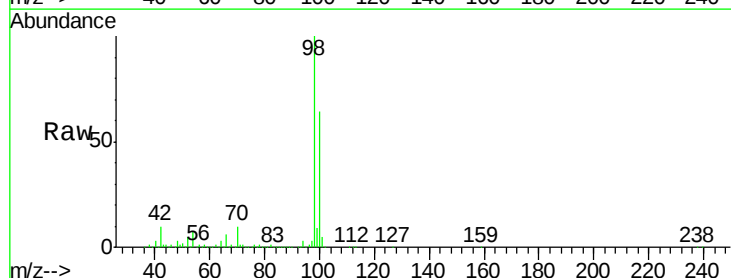
RT: 10.09 min Scan# 2587

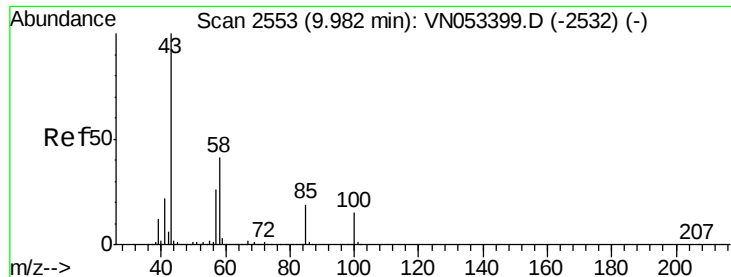
Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Tgt Ion:	98	Resp:	1286893
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 262.796 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1502644

Ion Ratio Lower Upper

43 100

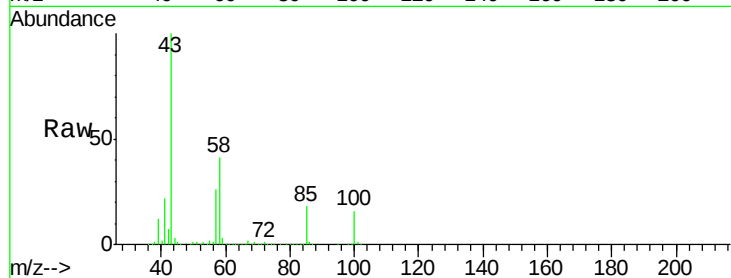
58 40.7 32.8 49.2

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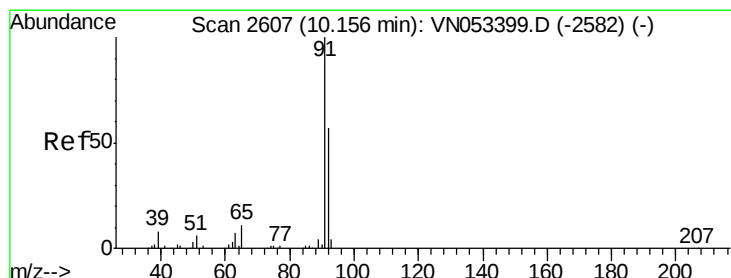
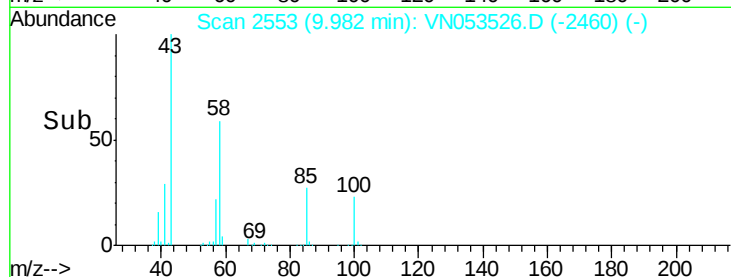
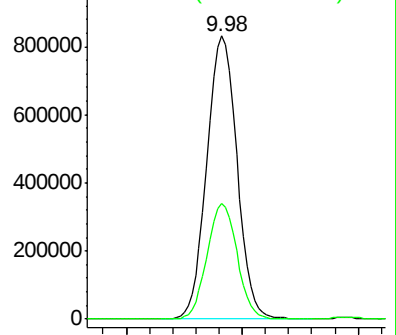
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.940 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053526.D

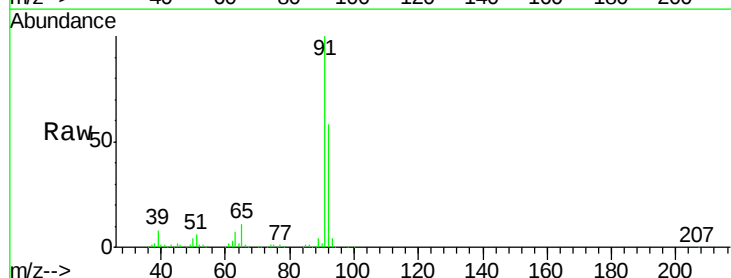
Acq: 23 Jan 2019 9:44

Tgt Ion: 92 Resp: 973023

Ion Ratio Lower Upper

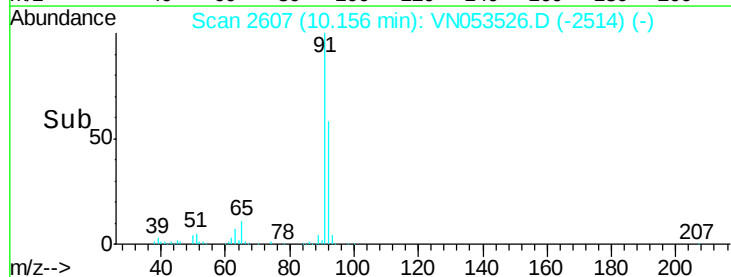
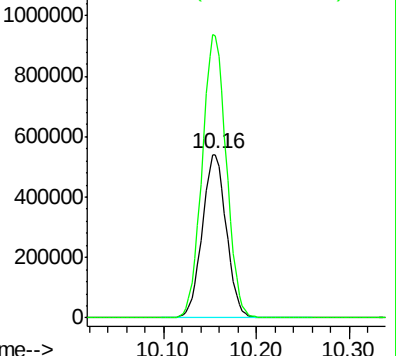
92 100

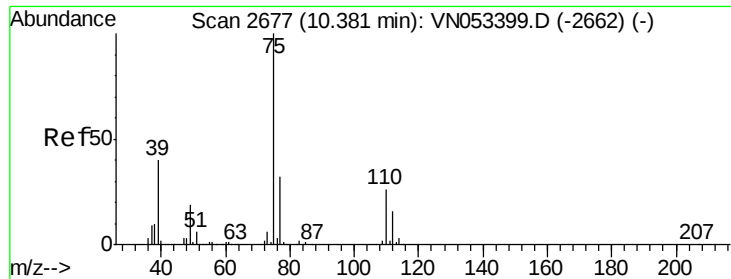
91 174.5 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





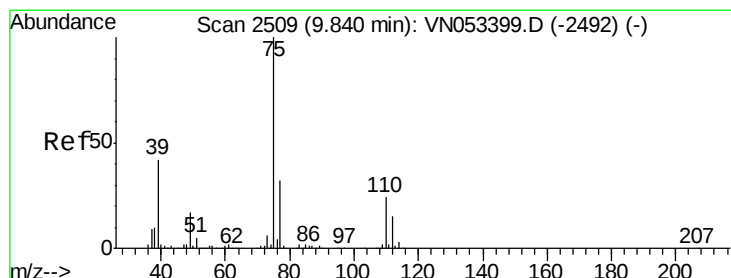
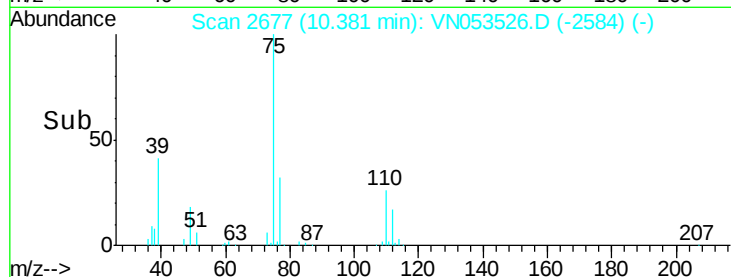
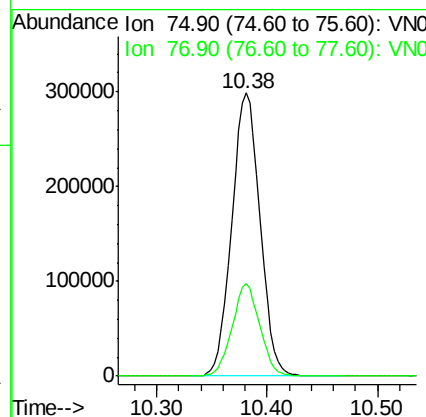
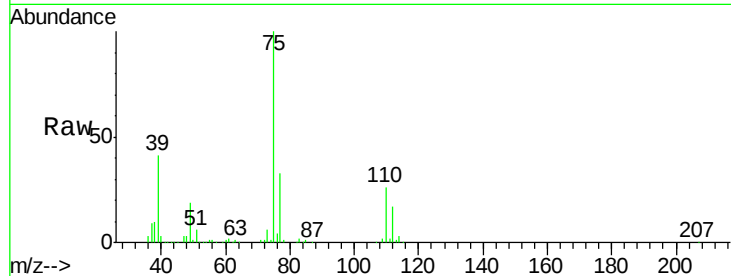
#53
t-1,3-Dichloropropene
Concen: 53.122 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.5	38.3

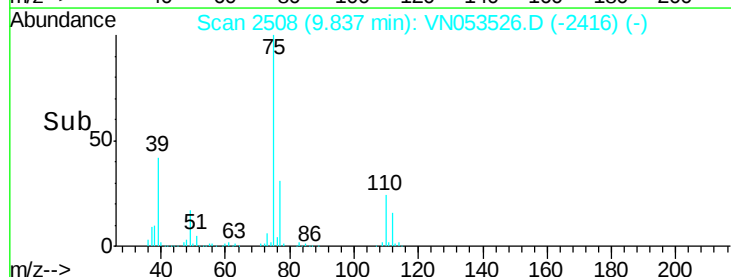
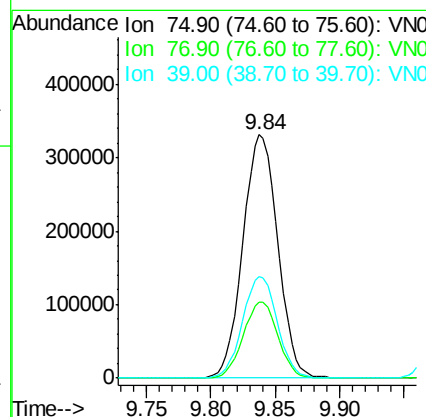
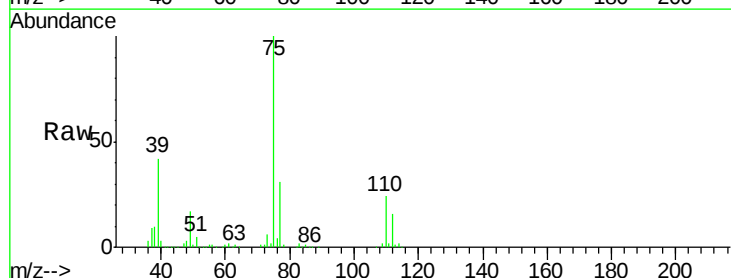
Manual Integrations
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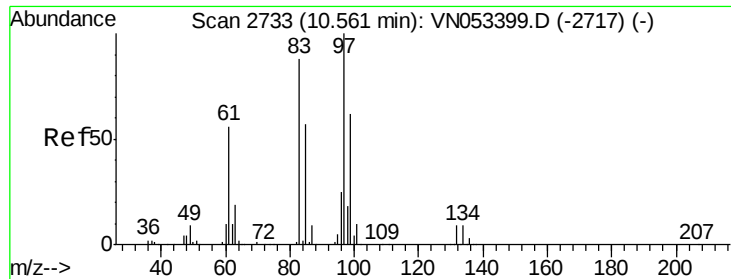
MMDadoda
1/24/2019 11:53:17 AM



#54
cis-1,3-Dichloropropene
Concen: 53.366 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.8	38.6
39	41.6	33.4	50.0





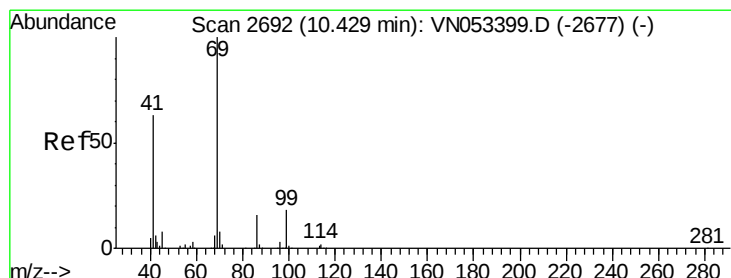
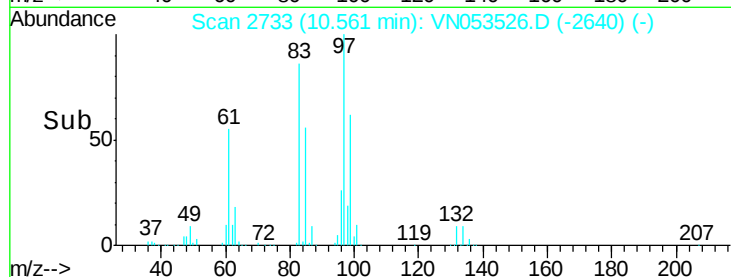
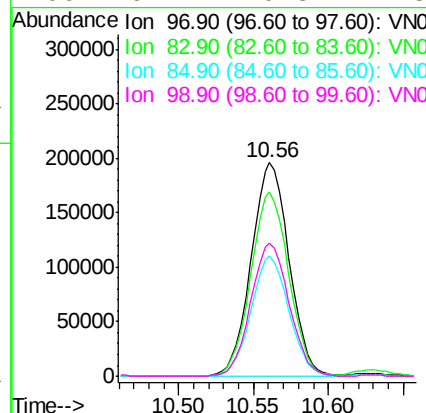
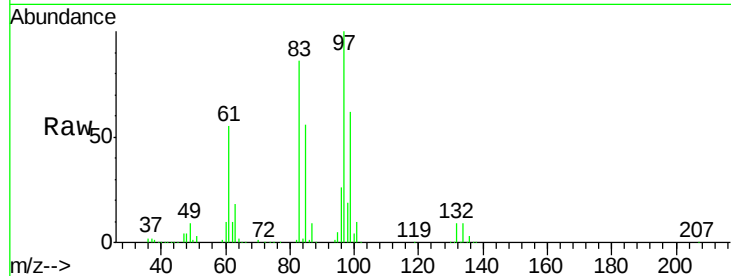
#55
 1,1,2-Trichloroethane
 Concen: 52.446 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	345385
Ion Ratio	Lower	Upper	
97	100		
83	86.2	70.1	105.1
85	56.1	45.4	68.0
99	62.4	49.8	74.8

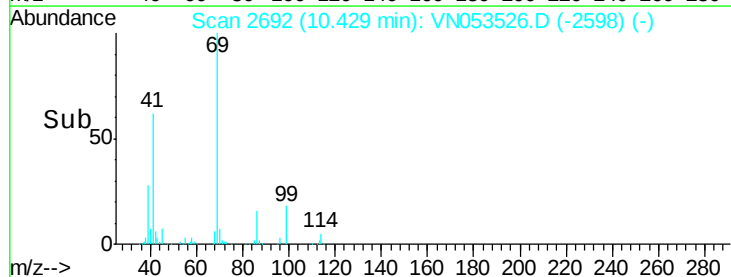
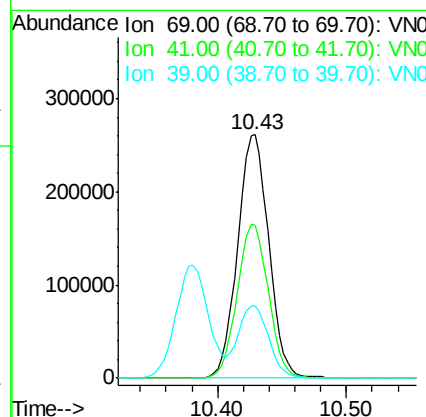
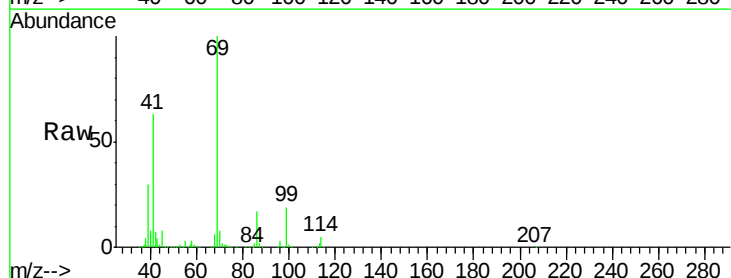
Manual Integrations
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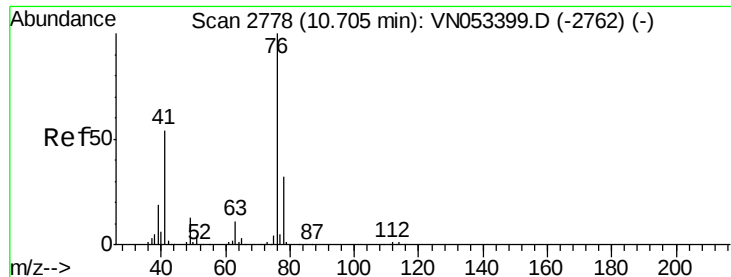
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#56
 Ethyl methacrylate
 Concen: 47.005 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

Tgt Ion:	69	Resp:	438107
Ion Ratio	Lower	Upper	
69	100		
41	62.8	49.4	74.0
39	29.4	23.3	34.9





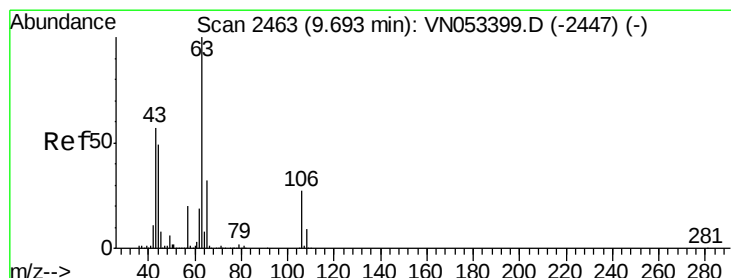
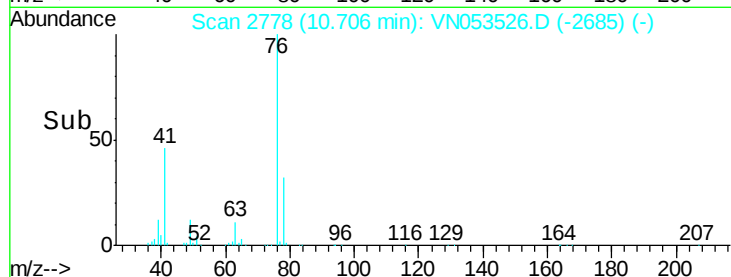
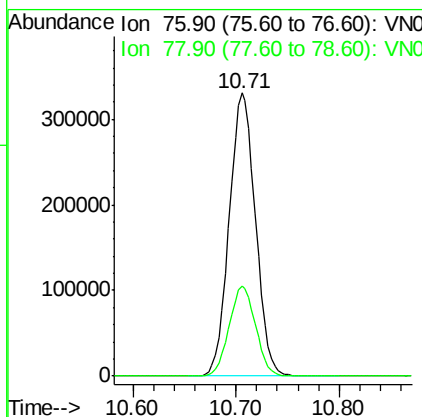
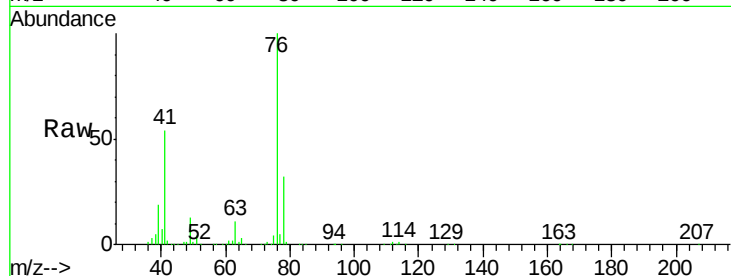
#57
 1,3-Dichloropropane
 Concen: 51.437 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 585979
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.6 38.4

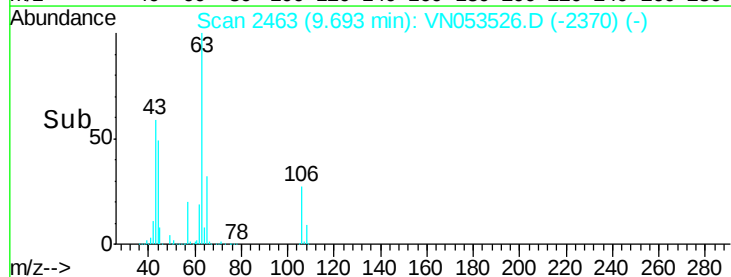
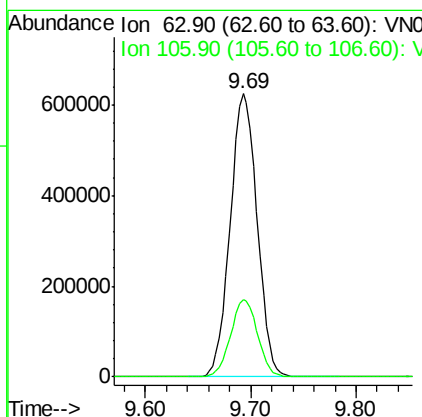
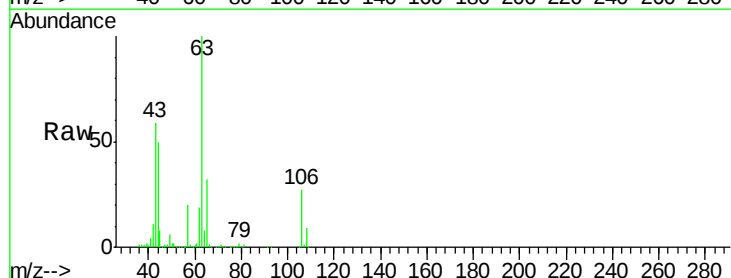
Manual Integrations
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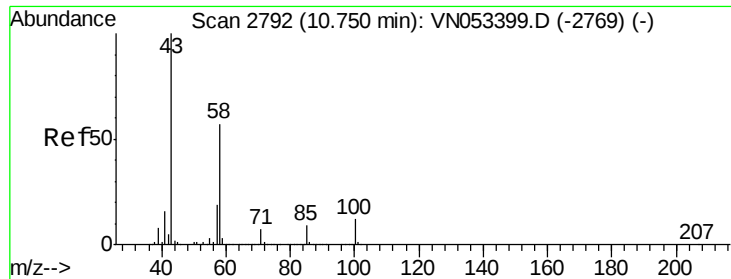
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 1/24/2019 11:53:17 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 239.605 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

Tgt Ion: 63 Resp: 1103888
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.5 32.3





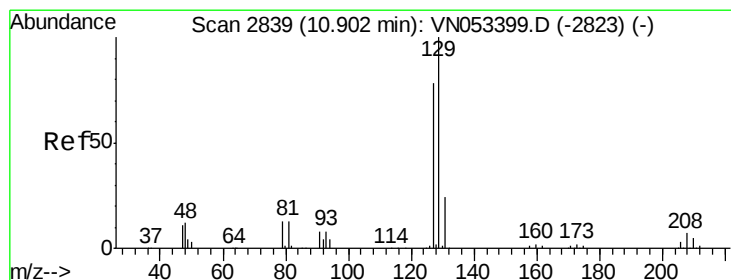
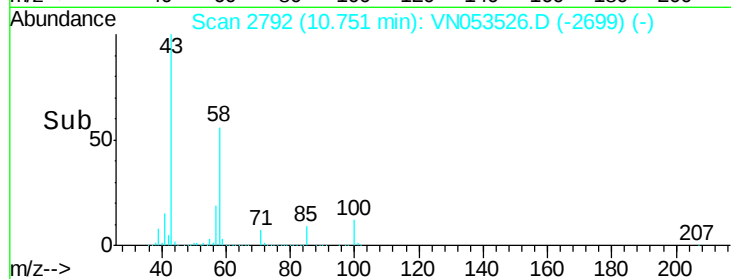
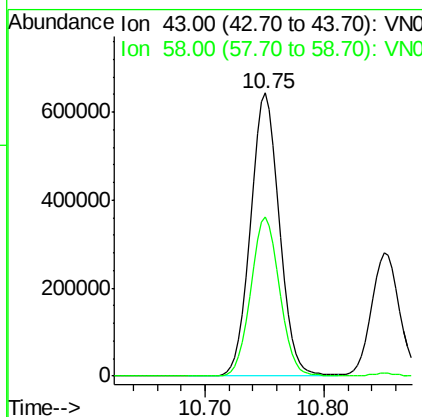
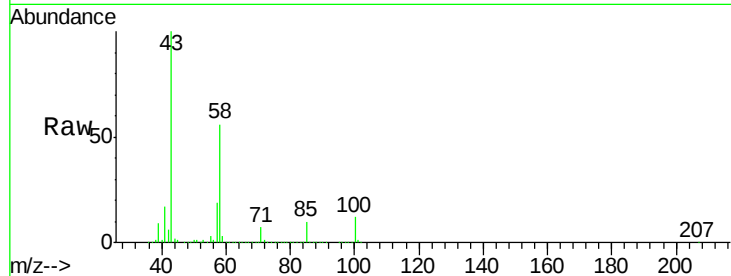
#59
2-Hexanone
Concen: 267.710 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1074562
Ion Ratio Lower Upper
43 100
58 56.5 28.6 85.8

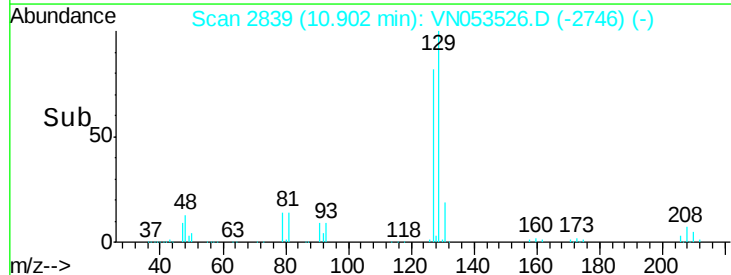
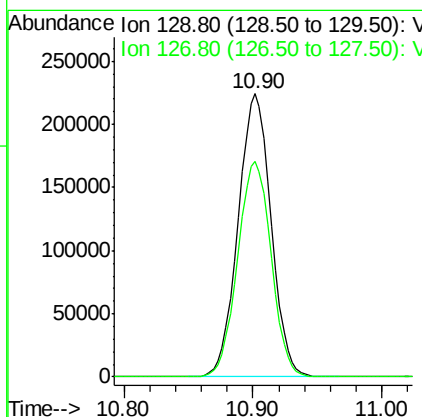
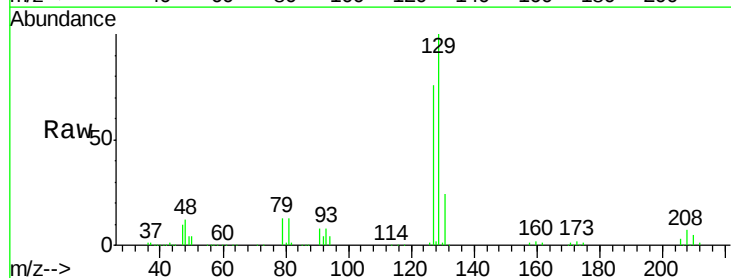
Manual Integrations
APPROVED

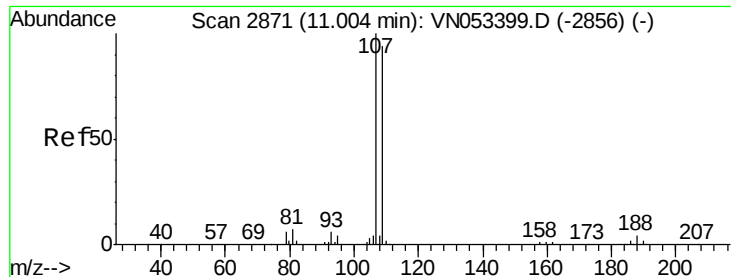
MMDadoda
1/24/2019 11:53:17 AM



#60
Dibromochloromethane
Concen: 53.367 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion: 129 Resp: 398613
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 51.053 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 340025

Ion Ratio Lower Upper

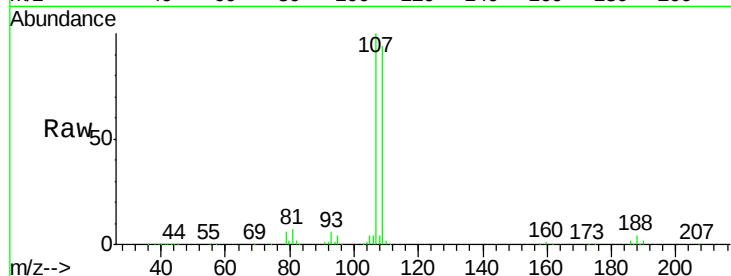
107 100

109 94.7 75.7 113.5

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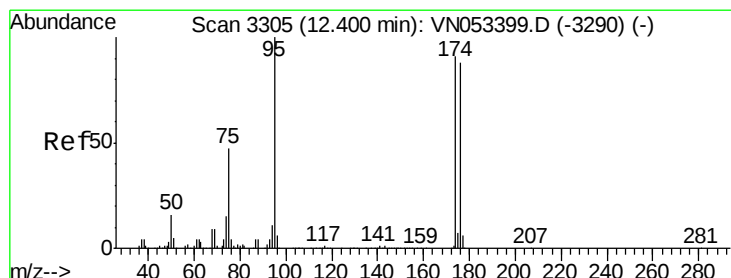
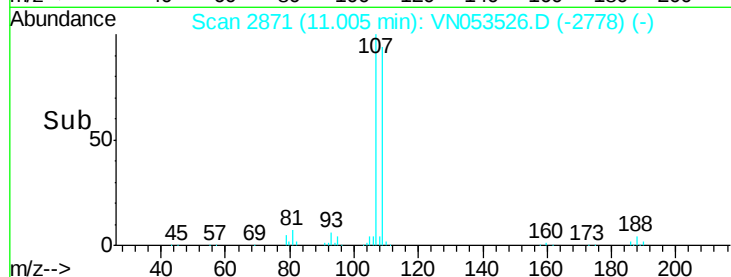
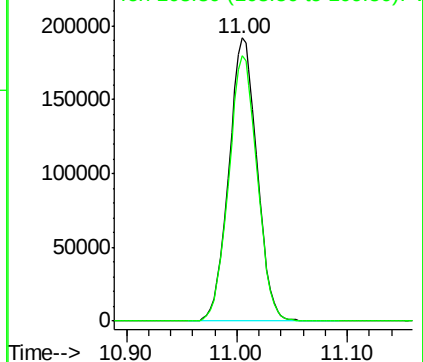
MMDadoda

1/24/2019 11:53:17 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.053 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

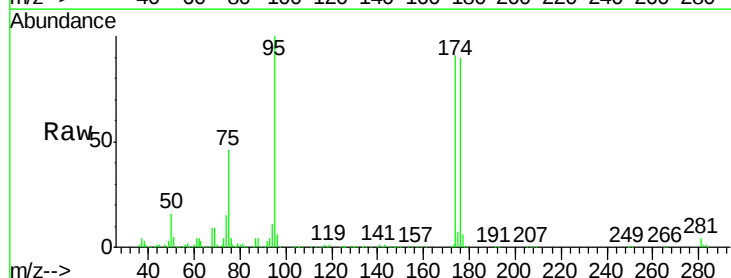
Tgt Ion: 95 Resp: 455240

Ion Ratio Lower Upper

95 100

174 91.9 0.0 183.2

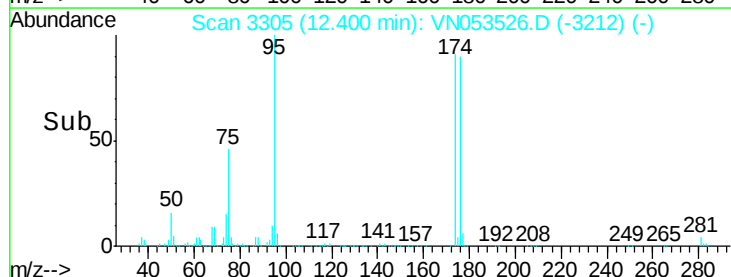
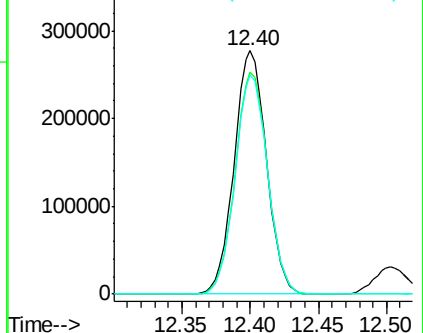
176 90.3 0.0 177.4

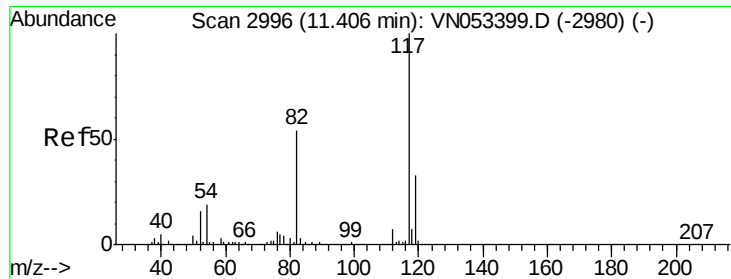


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





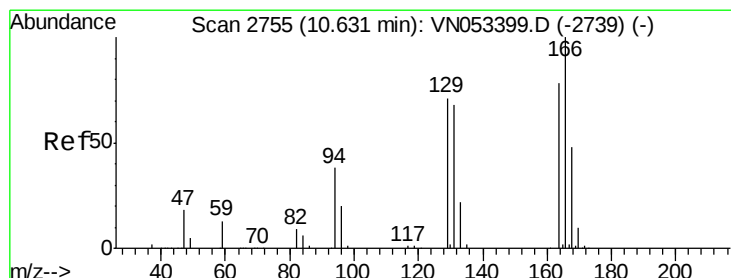
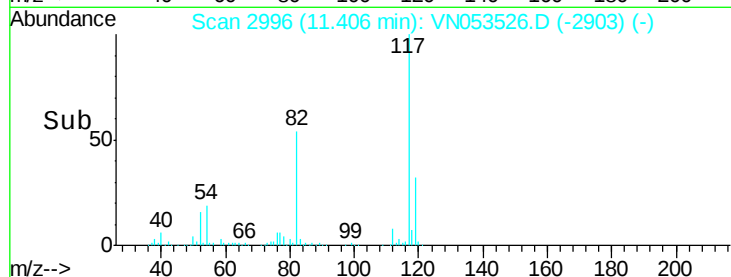
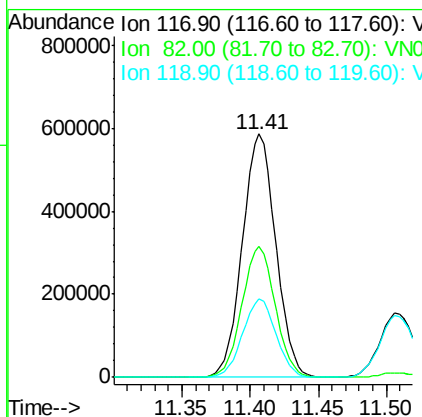
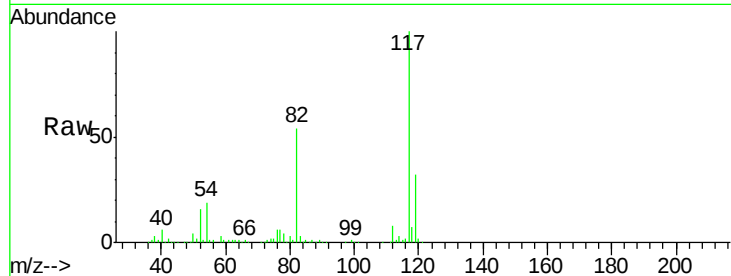
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	997781		
82	53.5		42.9	64.3
119	32.2		26.0	39.0

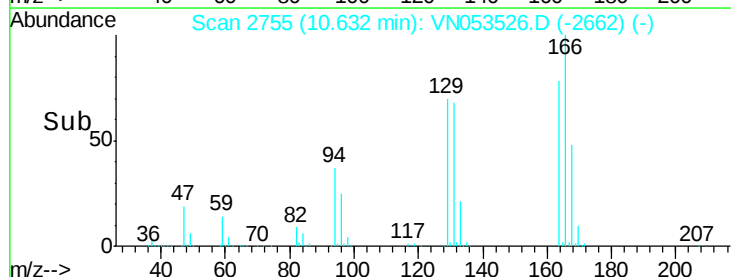
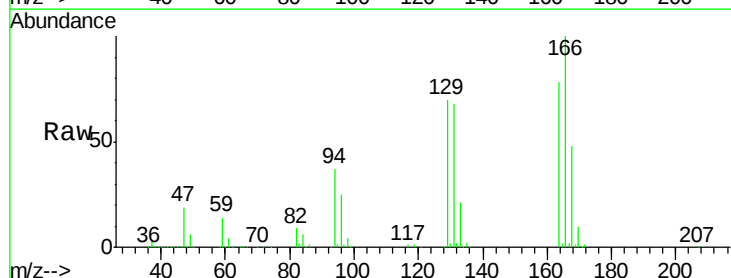
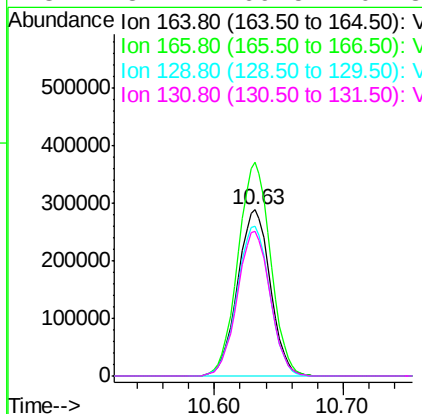
Manual Integrations
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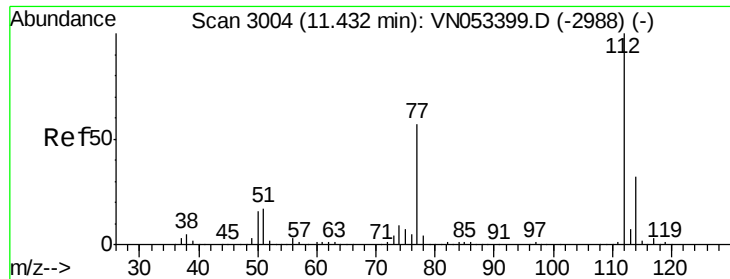
MMDadoda
1/24/2019 11:53:17 AM



#64
Tetrachloroethene
Concen: 54.254 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	510149		
166	128.5		102.2	153.4
129	90.2		72.6	109.0
131	87.4		69.5	104.3





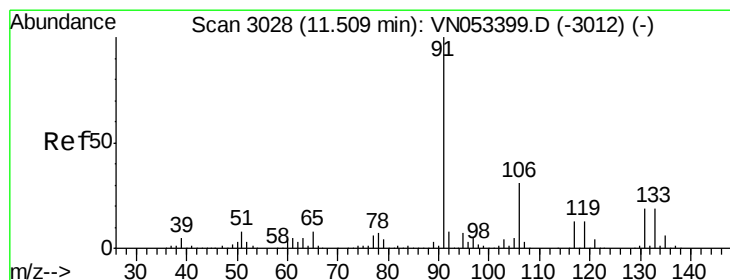
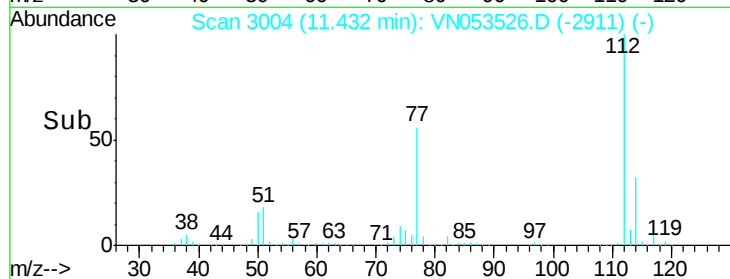
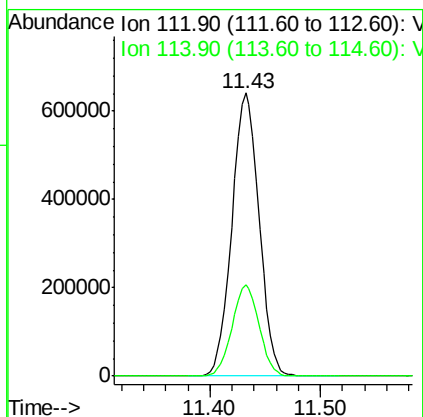
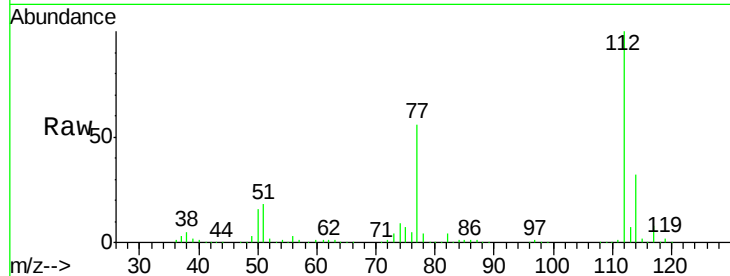
#65
Chlorobenzene
Concen: 51.826 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1094550
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

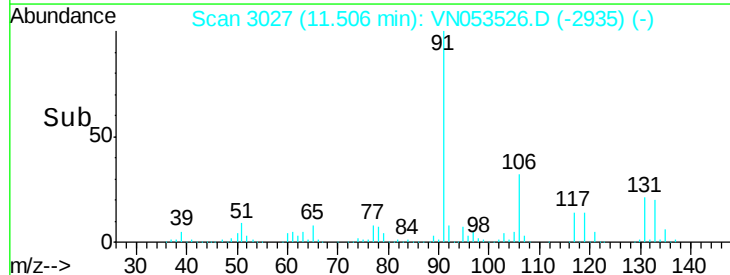
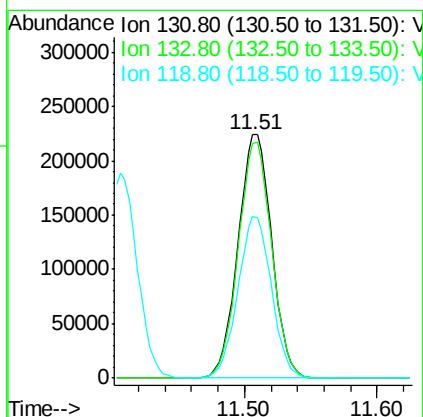
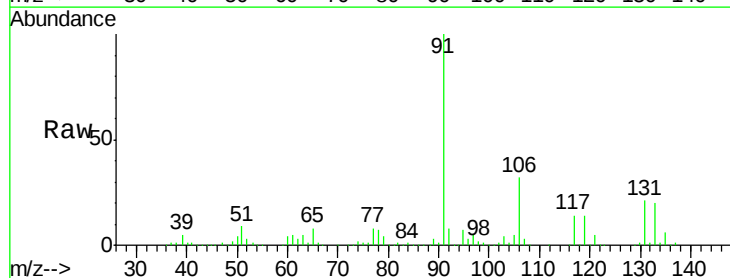
Manual Integrations
APPROVED

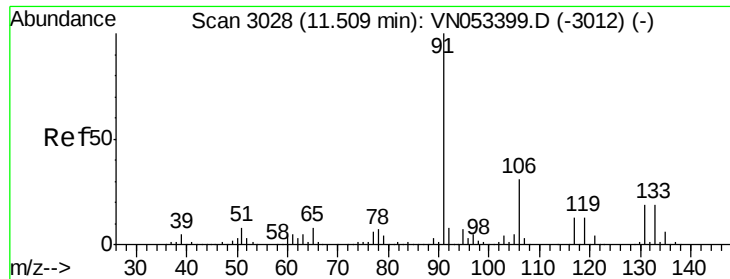
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.722 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion:131 Resp: 394711
Ion Ratio Lower Upper
131 100
133 95.8 48.0 144.0
119 66.0 33.5 100.5





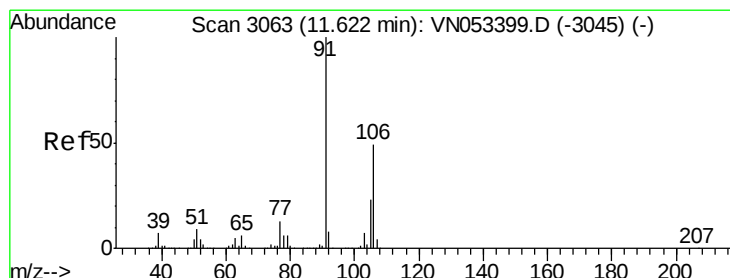
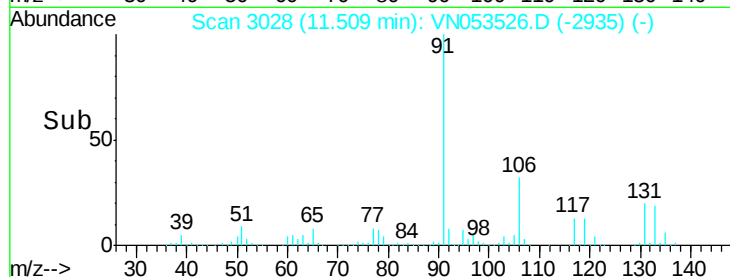
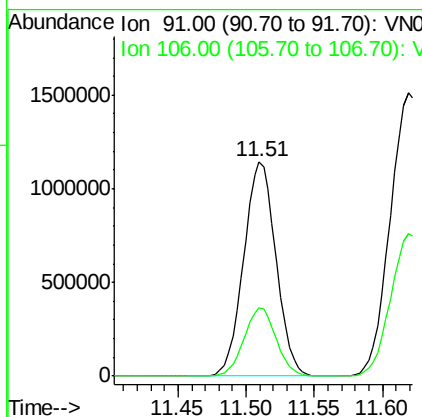
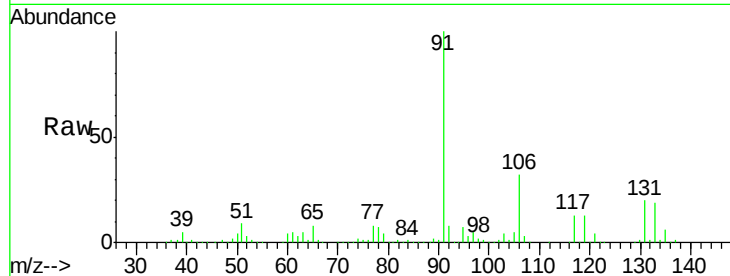
#67
Ethyl Benzene
Concen: 52.196 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1878693
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.6

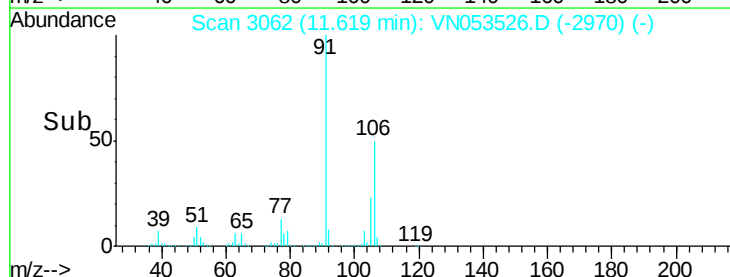
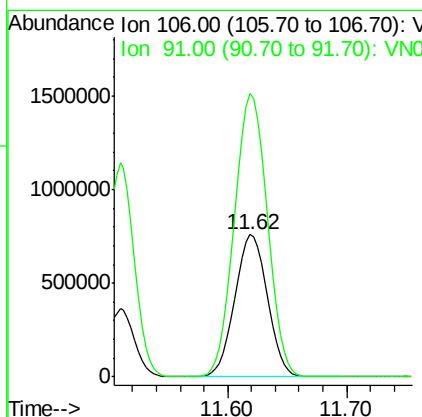
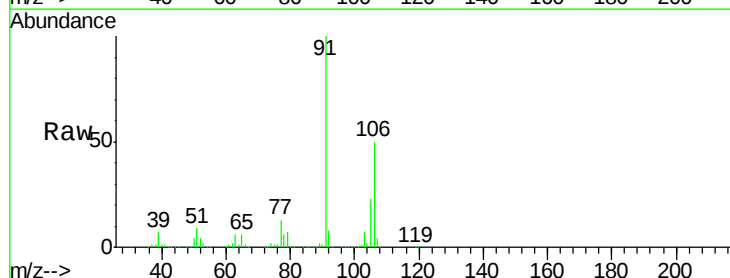
Manual Integrations
APPROVED

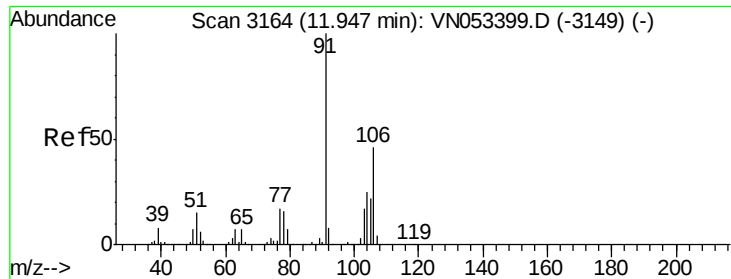
MMDadoda
1/24/2019 11:53:17 AM



#68
m/p-Xylenes
Concen: 106.098 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion: 106 Resp: 1441803
Ion Ratio Lower Upper
106 100
91 201.3 161.4 242.2





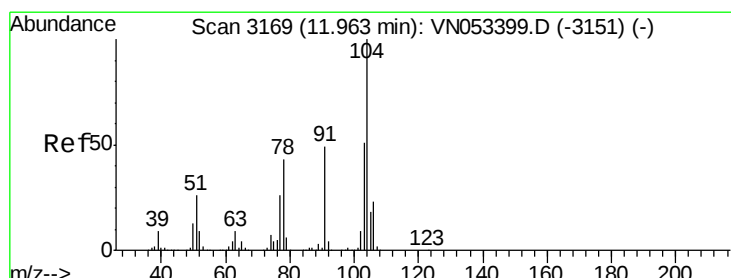
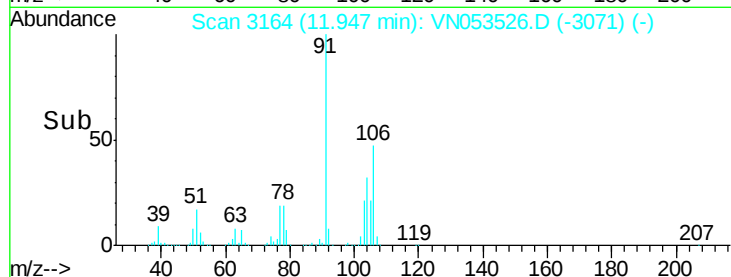
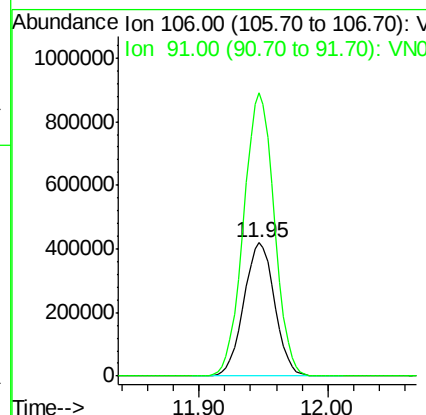
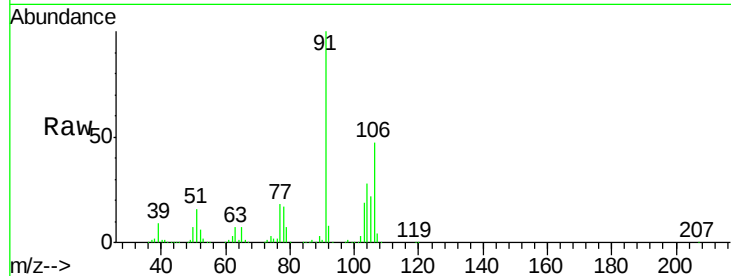
#69
o-Xylene
Concen: 52.878 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.2	106.9	320.8	

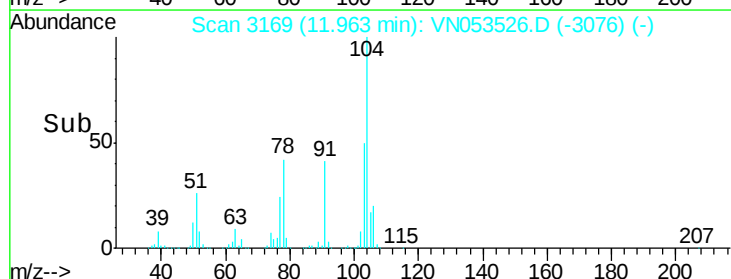
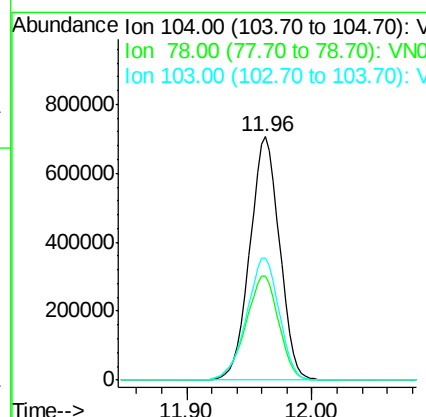
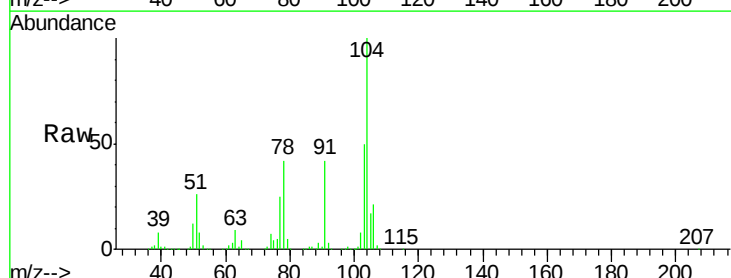
Manual Integrations
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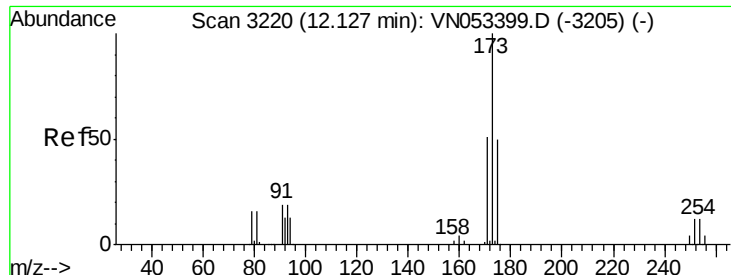
MMDadoda
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#70
Styrene
Concen: 54.301 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.4	38.2	57.2	
103	54.9	44.4	66.6	





#71

Bromoform

Concen: 54.092 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

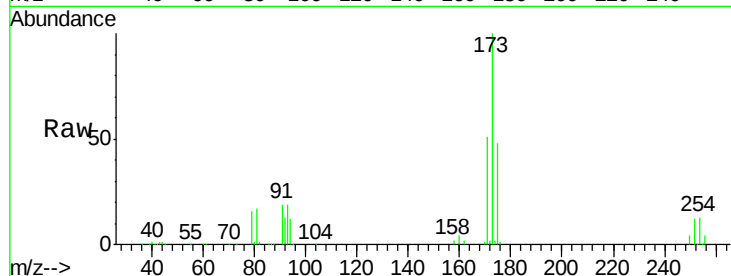
ClientSampleId :

VSTDCCC050

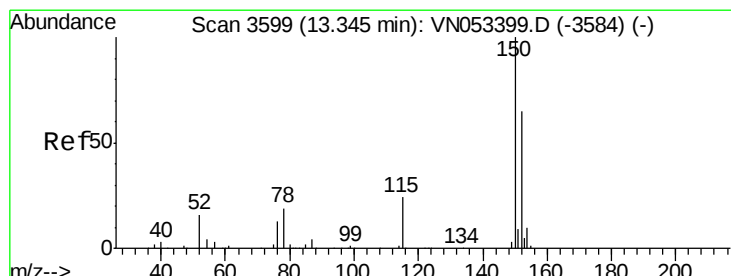
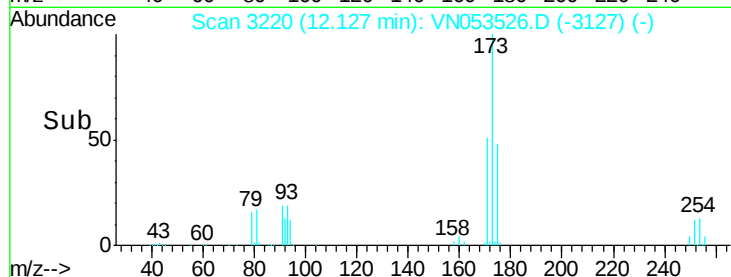
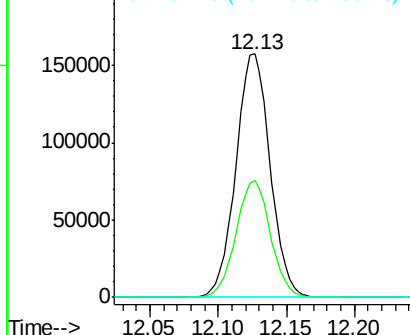
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.6	74.0
254	0.2	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

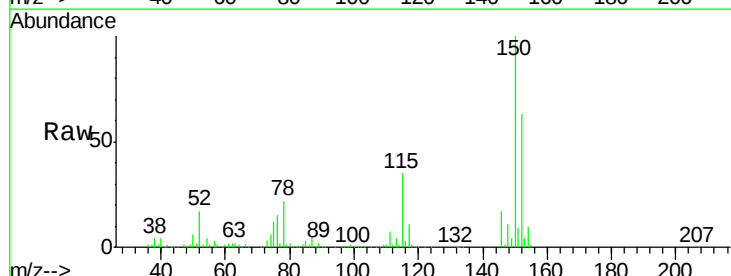
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

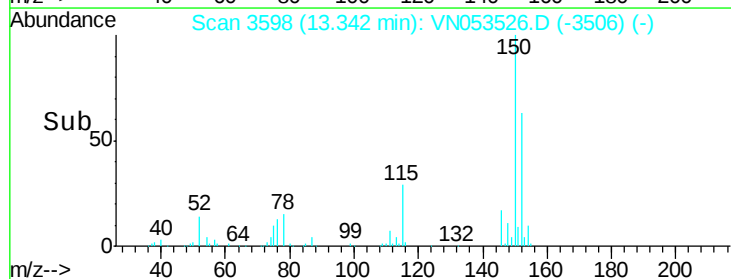
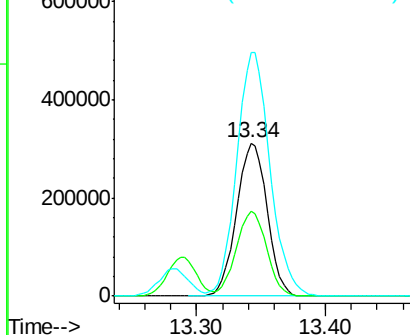
Lab File: VN053526.D

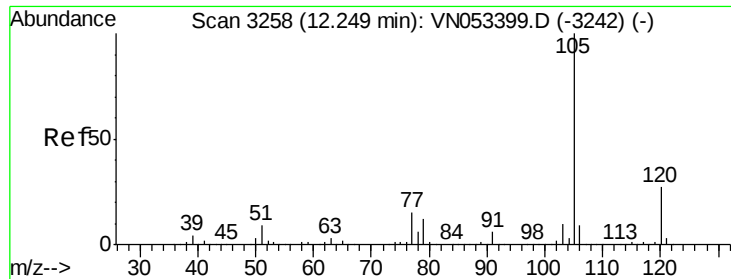
Acq: 23 Jan 2019 9:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.8	83.4
150	174.3	0.0	349.0



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: 50.047 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1875309

Ion Ratio Lower Upper

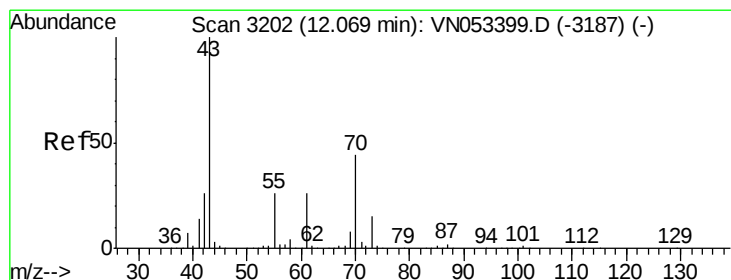
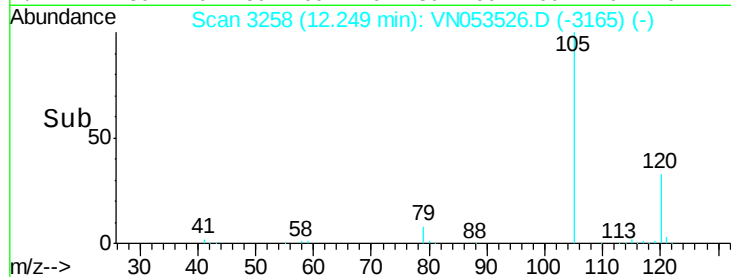
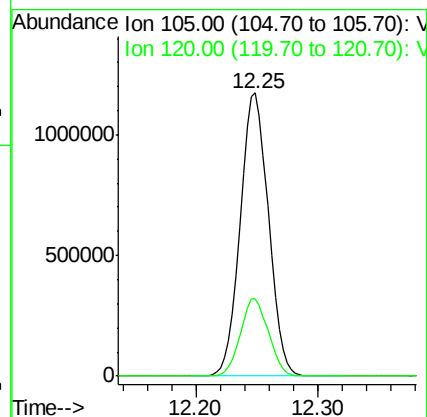
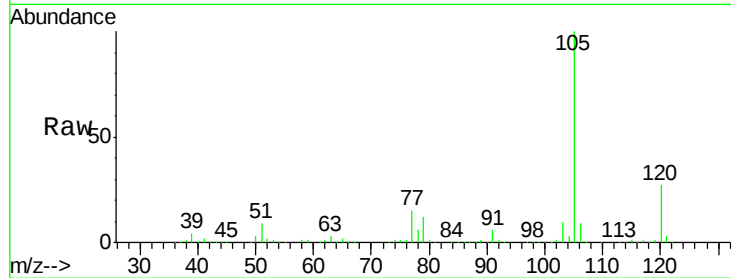
105 100

120 27.2 13.6 40.7

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#74

N-ethyl acetate

Concen: 48.807 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Tgt Ion: 43 Resp: 487522

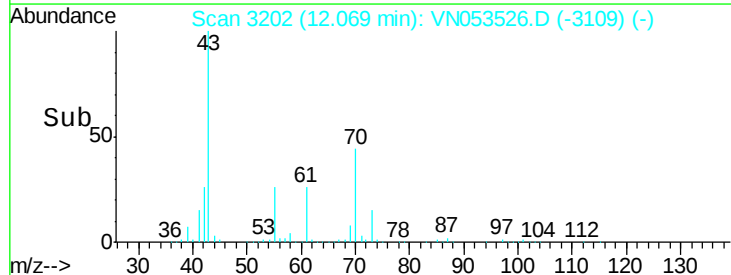
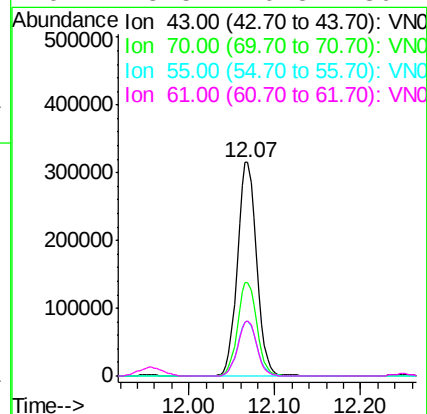
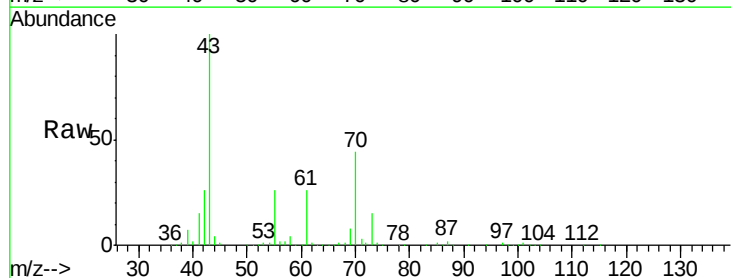
Ion Ratio Lower Upper

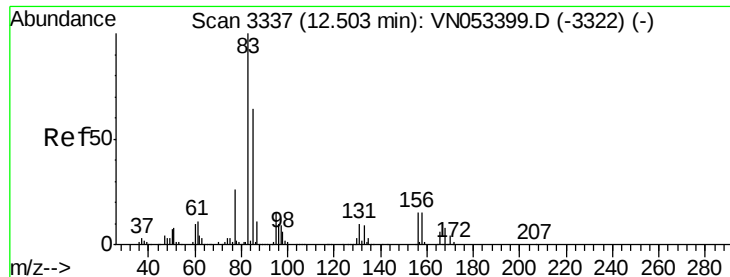
43 100

70 44.3 35.4 53.2

55 26.1 20.9 31.3

61 25.5 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 45.292 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

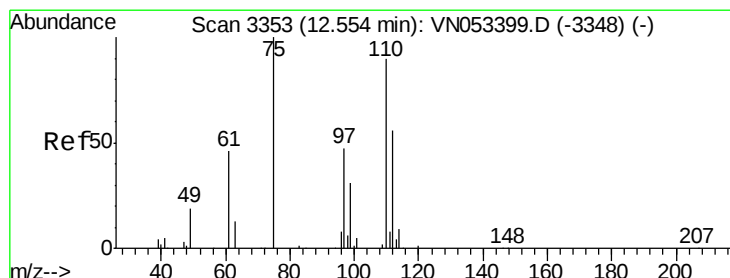
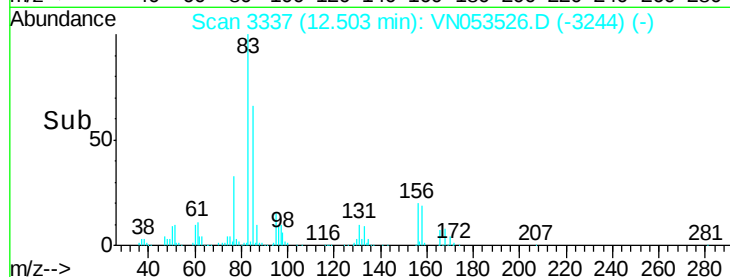
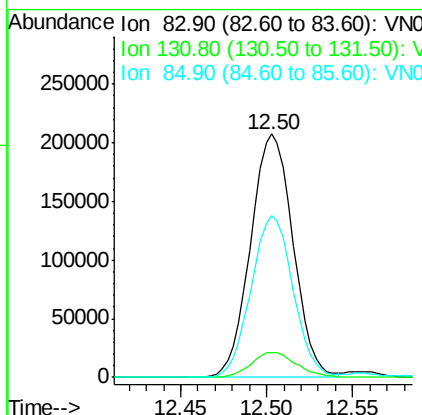
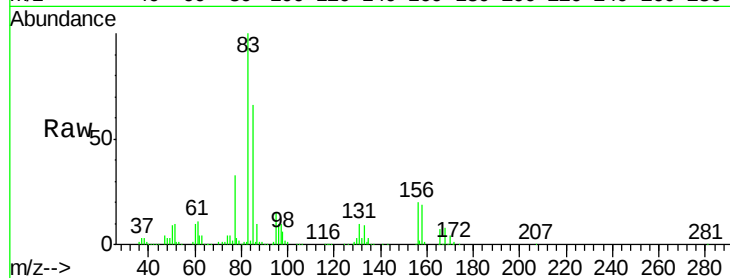
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	355934
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.8
85	65.5	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 52.980 ug/l m

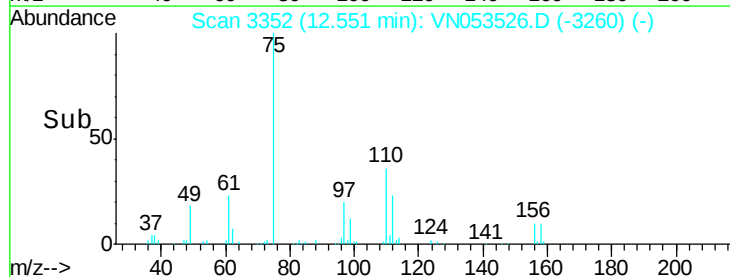
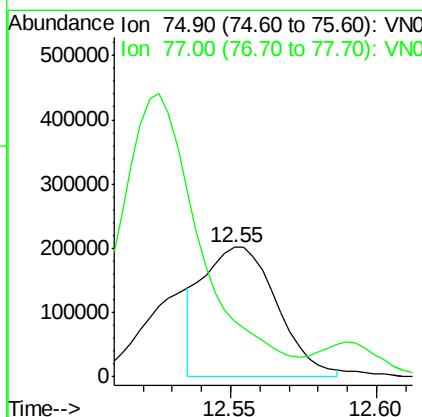
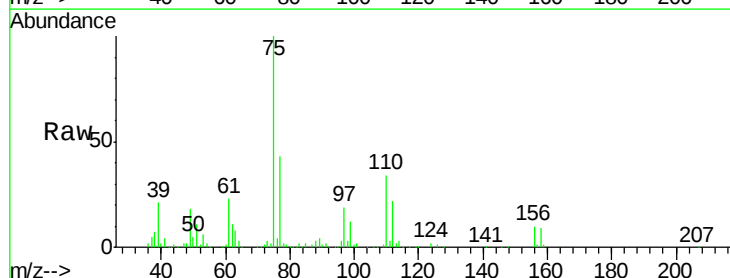
RT: 12.55 min Scan# 3352

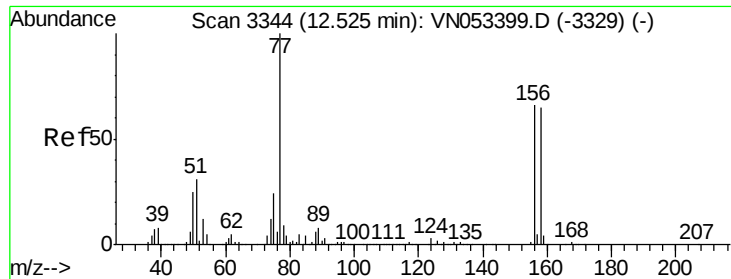
Delta R.T. -0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Tgt Ion:	75	Resp:	357242
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.154 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

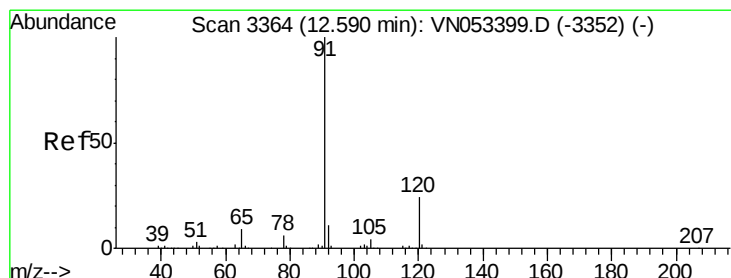
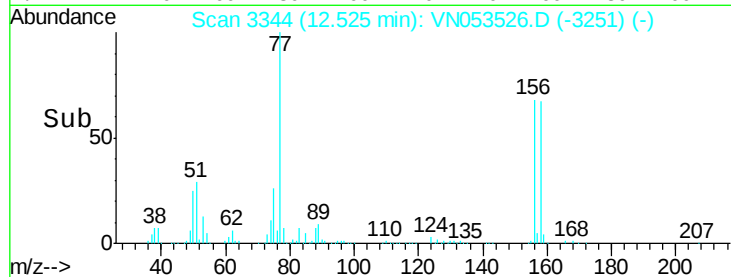
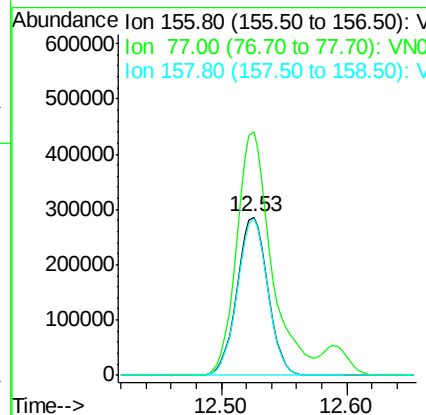
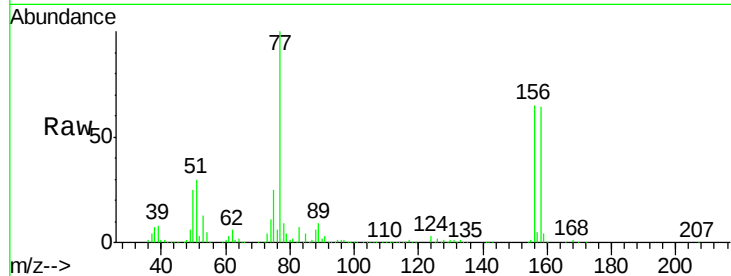
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	174.7	87.9	263.8
158	97.4	48.8	146.4

Manual Integrations
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1/24/2019 11:53:17 AM



#78

n-propylbenzene

Concen: 51.412 ug/l

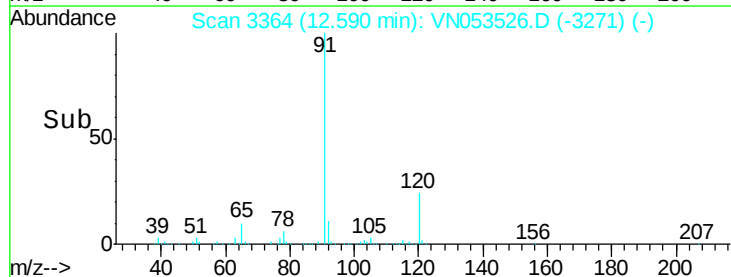
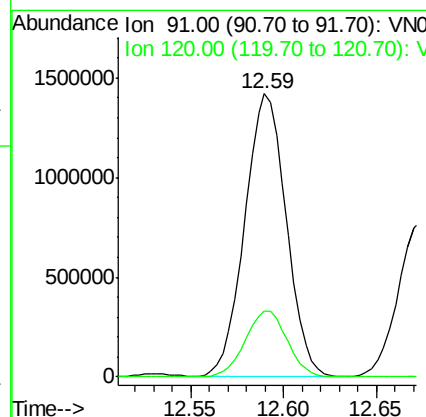
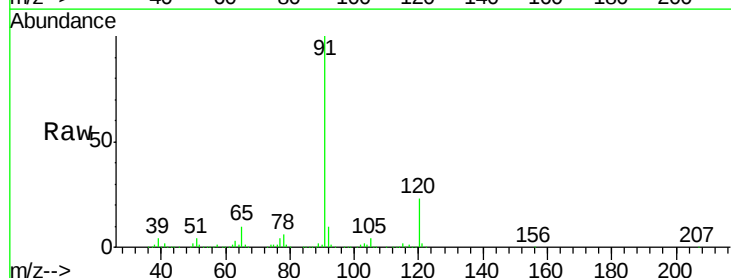
RT: 12.59 min Scan# 3364

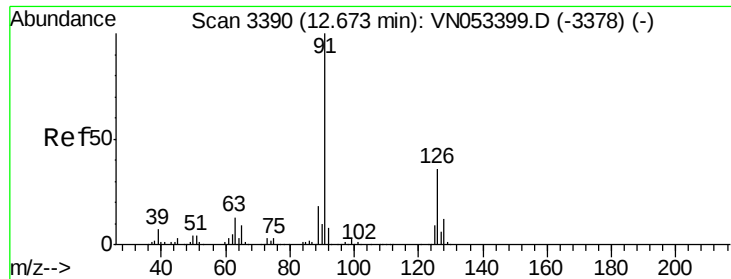
Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.5





#79

2-Chlorotoluene

Concen: 49.555 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1263401

Ion Ratio Lower Upper

91 100

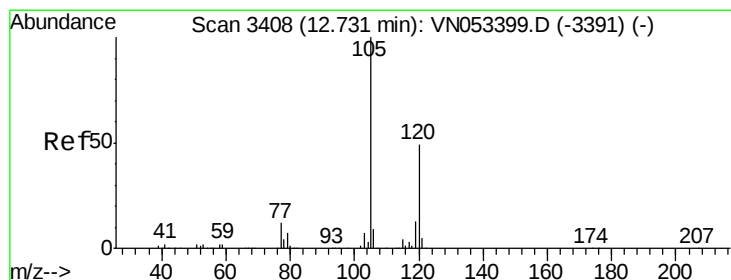
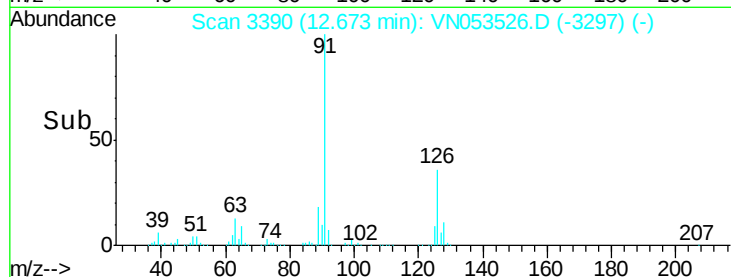
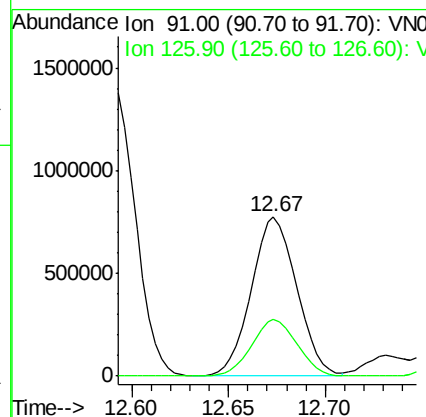
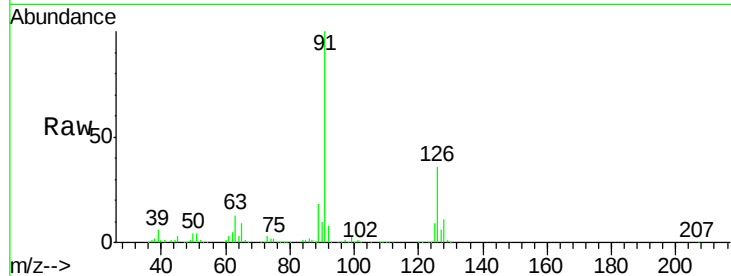
126 35.7 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.379 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053526.D

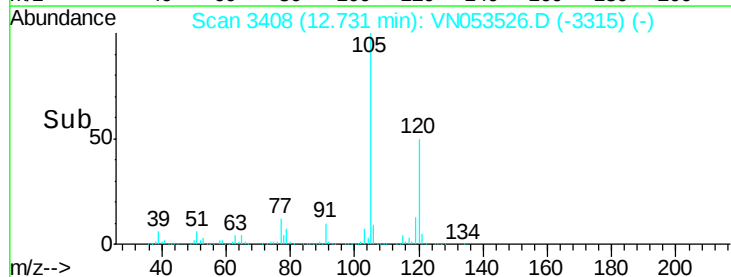
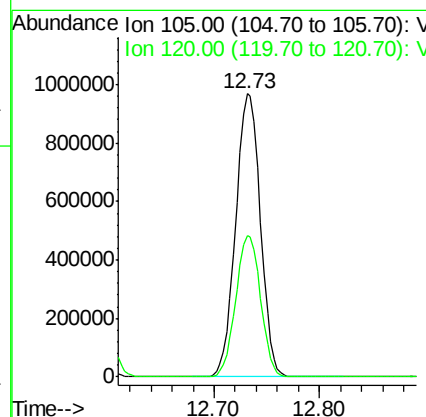
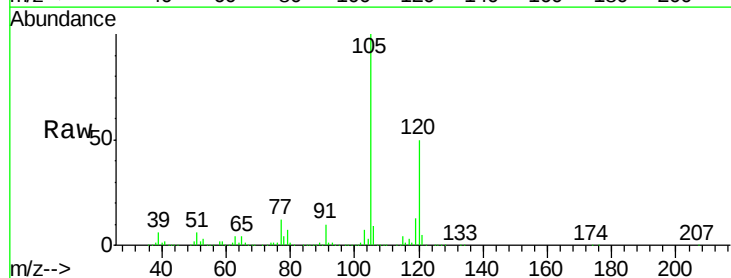
Acq: 23 Jan 2019 9:44

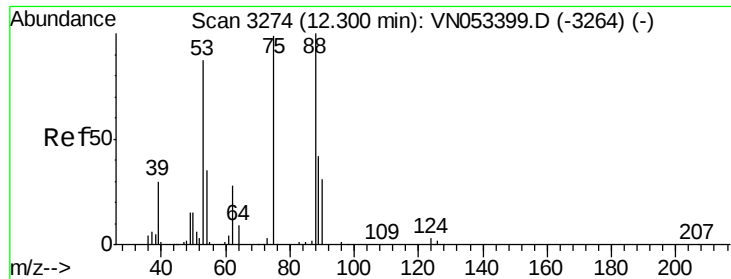
Tgt Ion: 105 Resp: 1566404

Ion Ratio Lower Upper

105 100

120 50.1 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 47.076 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

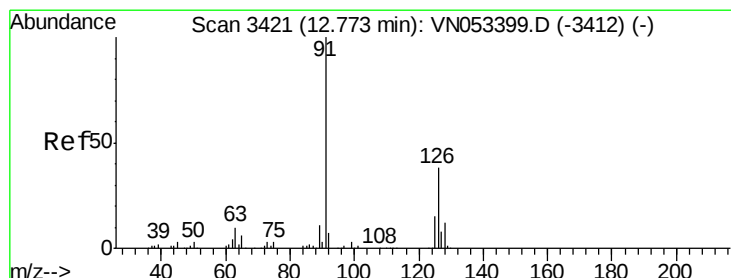
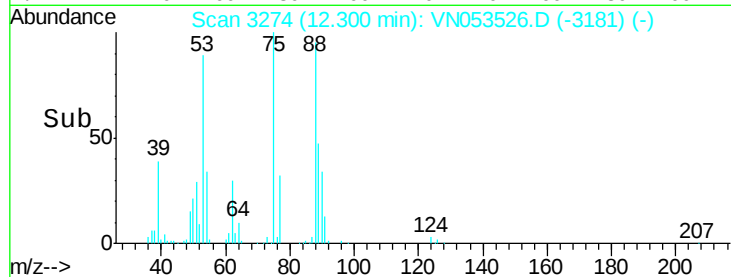
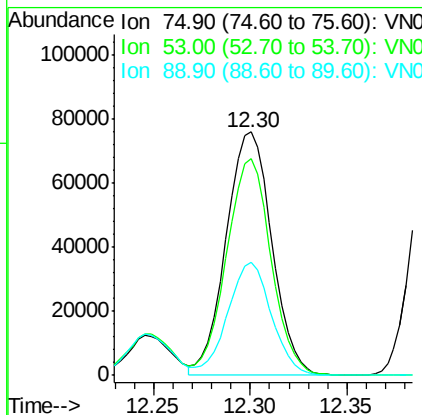
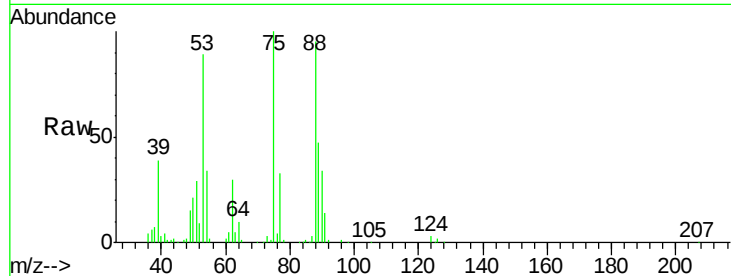
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	125015
Ion Ratio	Lower	Upper	
75	100		
53	86.8	69.8	104.6
89	44.2	35.6	53.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.622 ug/l

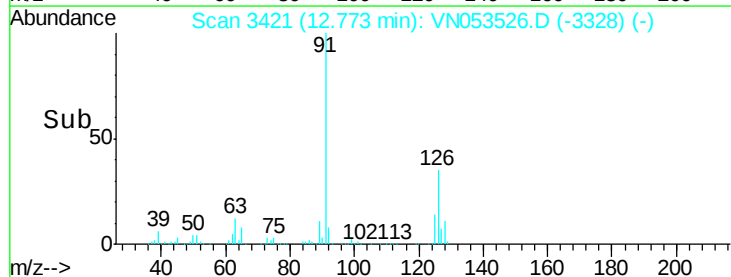
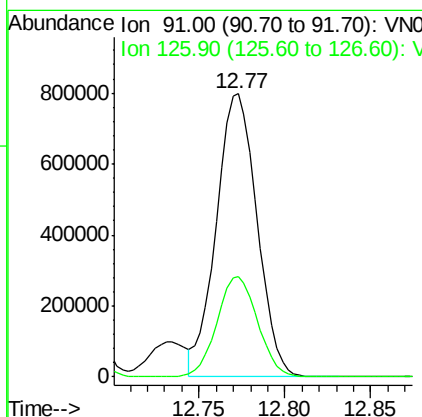
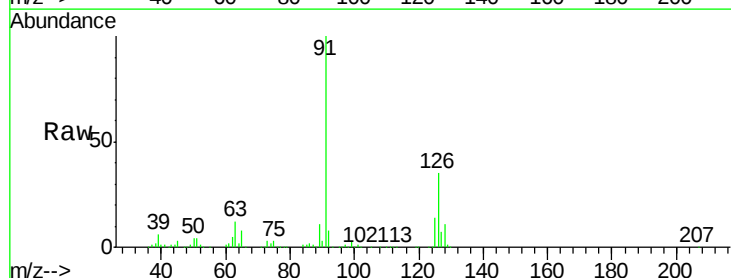
RT: 12.77 min Scan# 3421

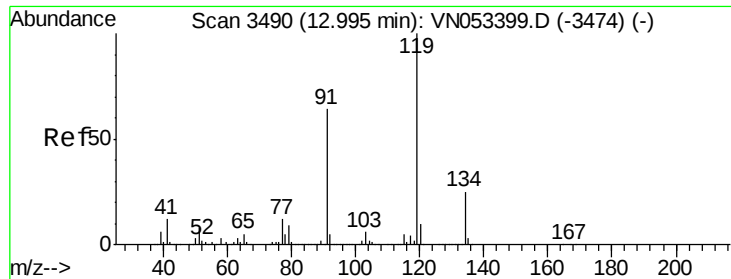
Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Tgt Ion:	91	Resp:	1316144
Ion Ratio	Lower	Upper	
91	100		
126	35.3	17.6	52.9





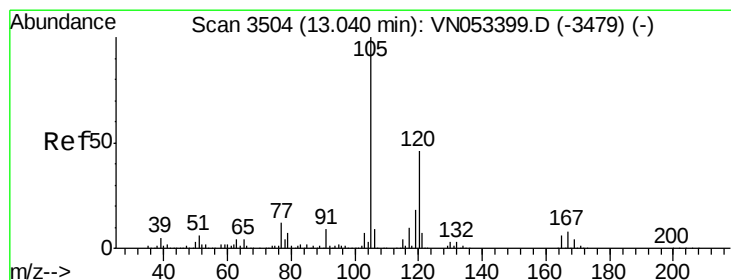
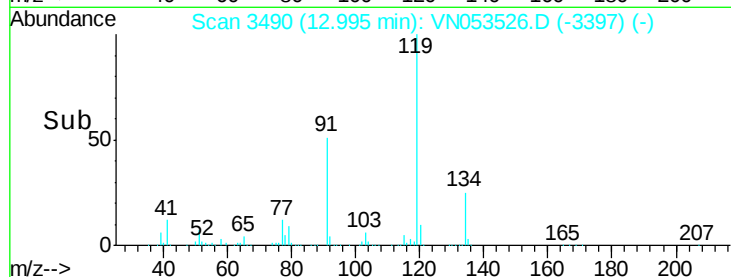
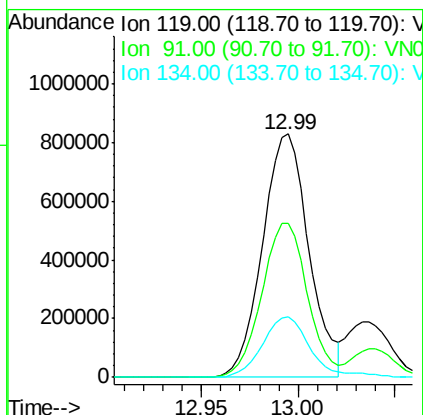
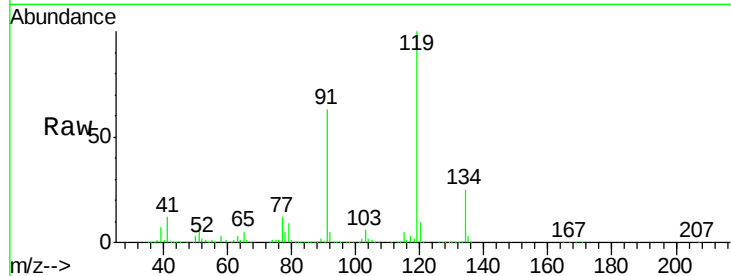
#83
tert-Butylbenzene
Concen: 51.631 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	31.3	93.8
134	25.6	12.9	38.7

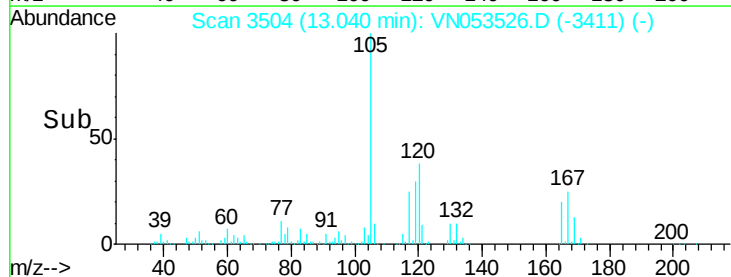
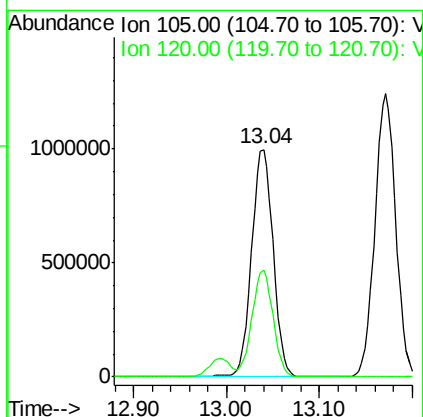
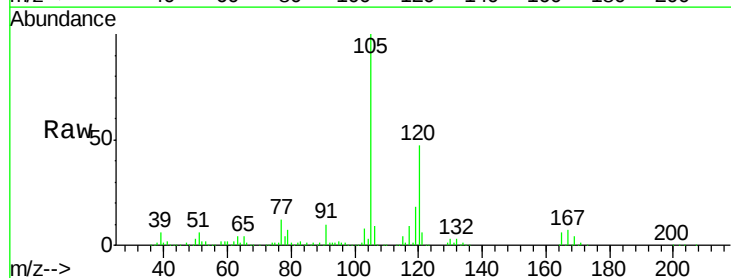
Manual Integrations
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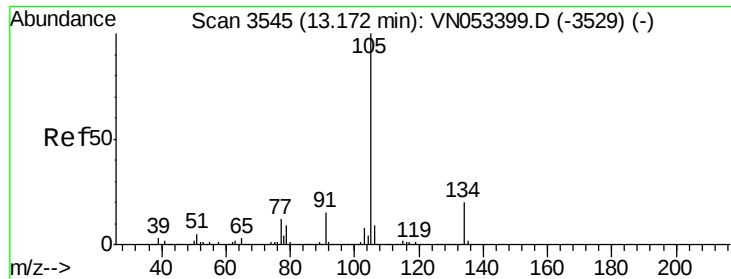
MMDadoda
1/24/2019 11:53:17 AM



#84
1,2,4-Trimethylbenzene
Concen: 52.205 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.0	69.0





#85

sec-Butylbenzene

Concen: 52.078 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1923176

Ion Ratio Lower Upper

105 100

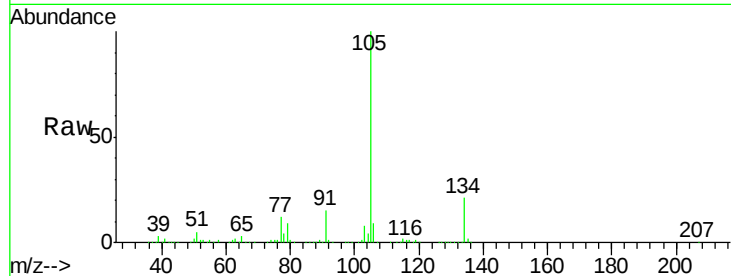
134 20.9 10.2 30.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

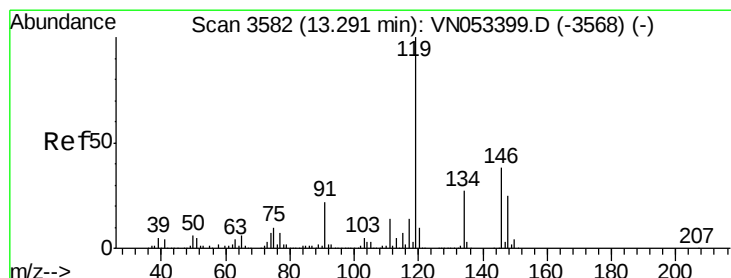
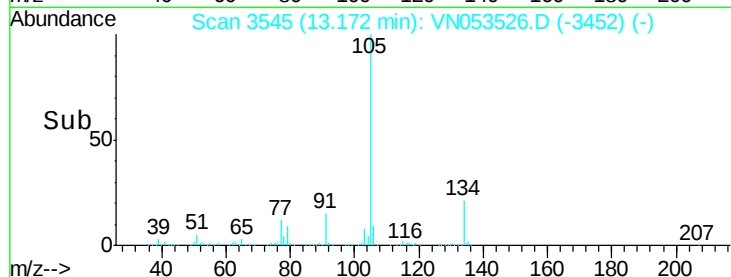
1000000

500000

0

13.10 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 53.303 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

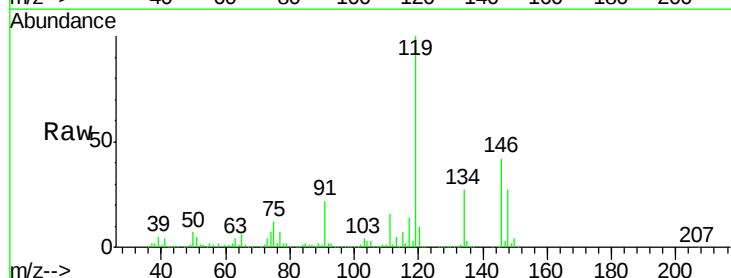
Tgt Ion:119 Resp: 1709154

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 22.1 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

1500000

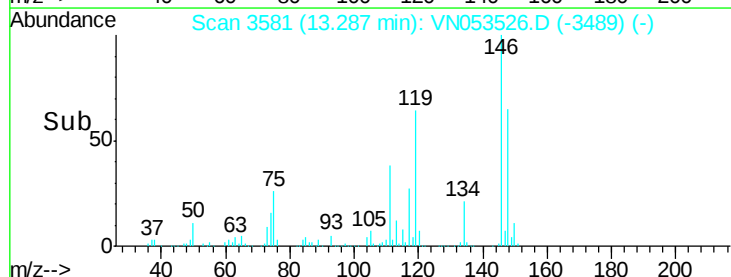
1000000

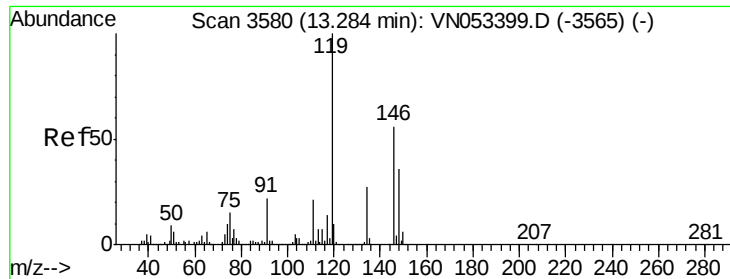
500000

0

13.25 13.30 13.35

Time-->





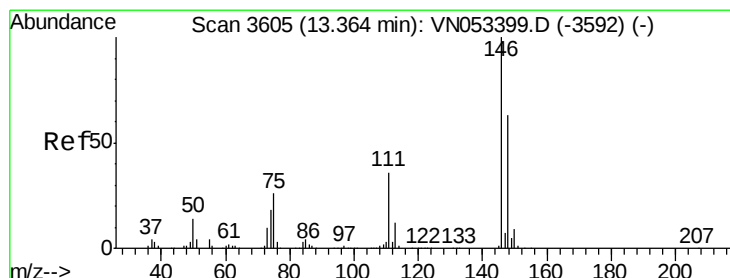
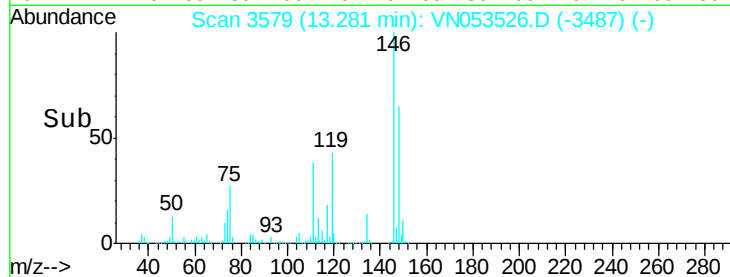
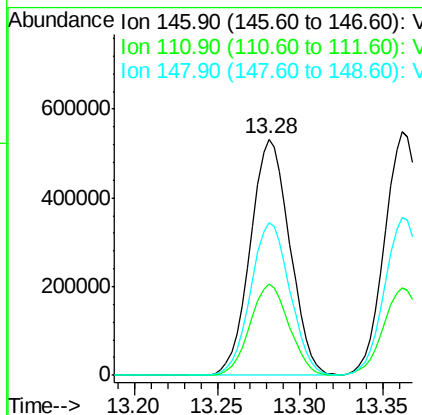
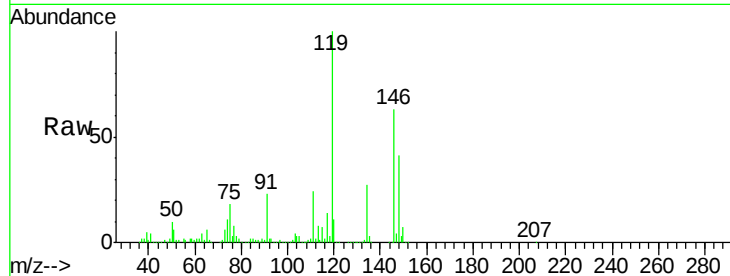
#87
 1,3-Dichlorobenzene
 Concen: 50.697 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	880505		
111	38.1	18.8	56.3	
148	64.5	32.0	96.2	

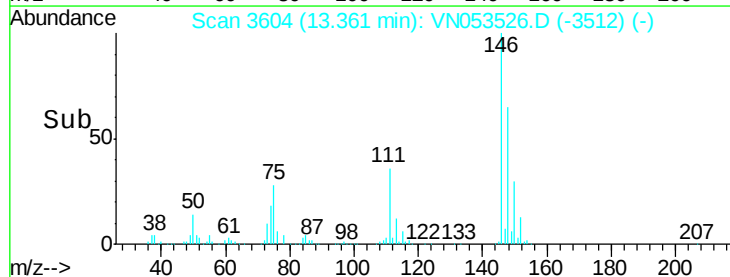
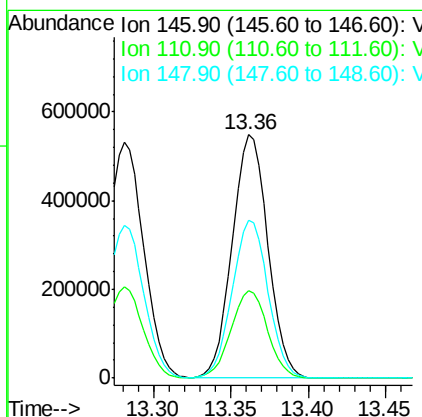
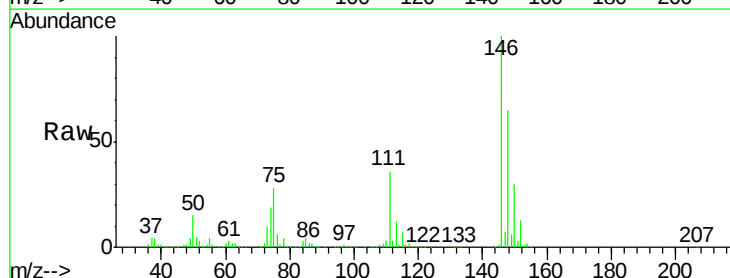
Manual Integrations
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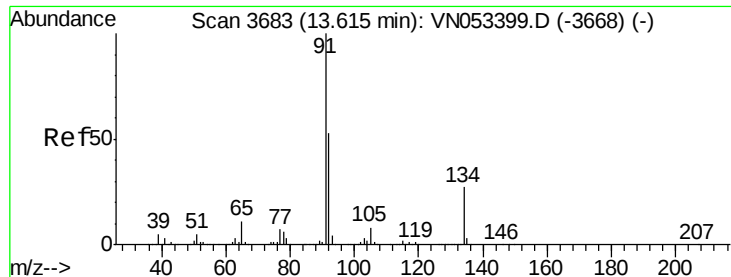
MMDadoda
 1/24/2019 11:53:17 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.431 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	878605		
111	36.9	18.6	55.8	
148	65.1	32.4	97.0	





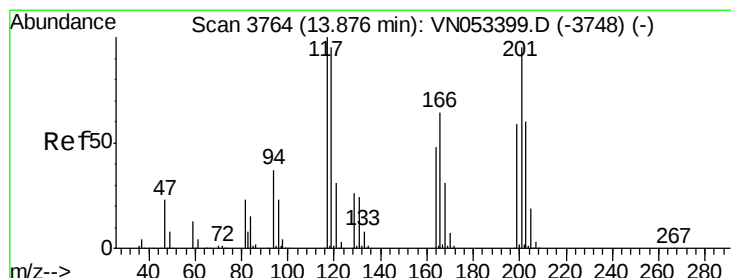
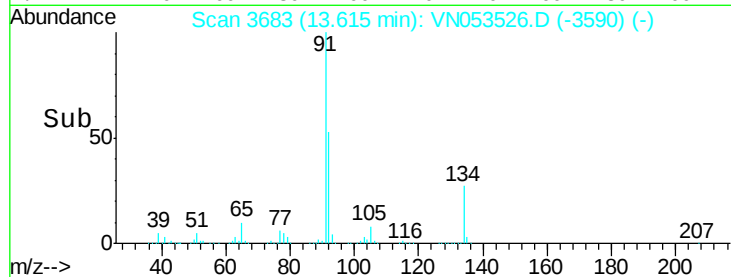
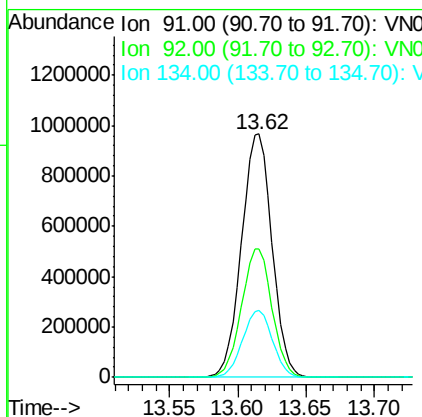
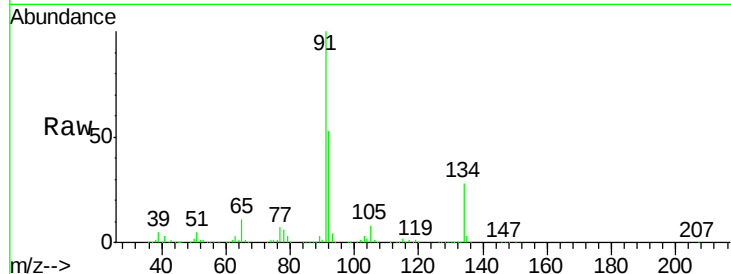
#89
n-Butylbenzene
Concen: 54.807 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1497999
Ion Ratio Lower Upper
91 100
92 52.7 26.3 78.8
134 27.1 13.5 40.5

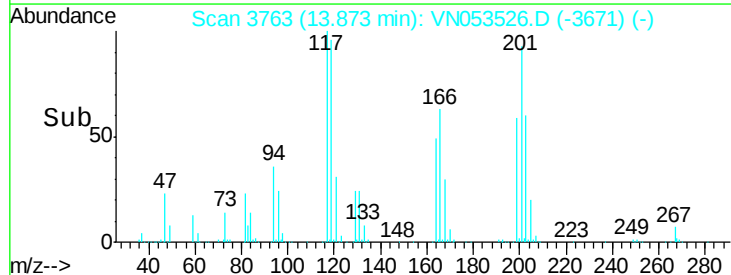
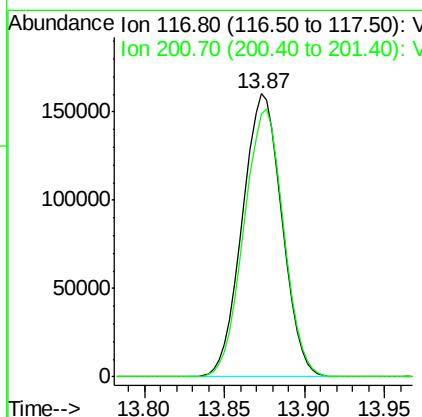
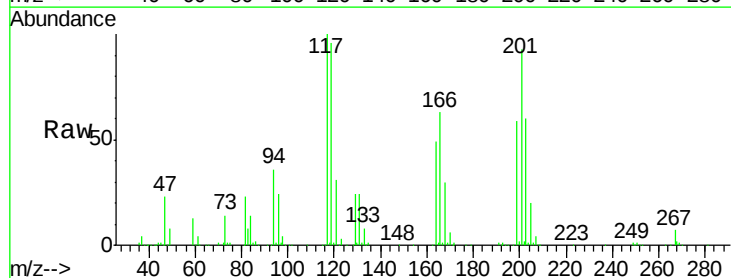
Manual Integrations
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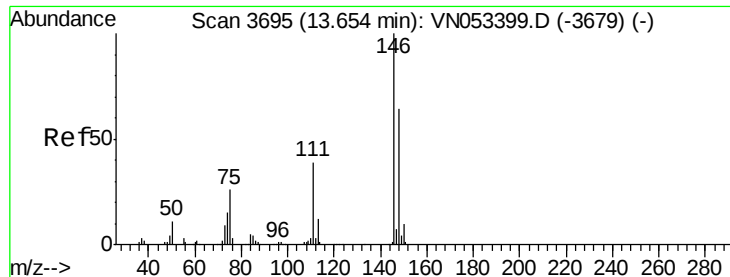
MMDadoda
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#90
Hexachloroethane
Concen: 53.908 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion: 117 Resp: 271094
Ion Ratio Lower Upper
117 100
201 94.7 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 52.691 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

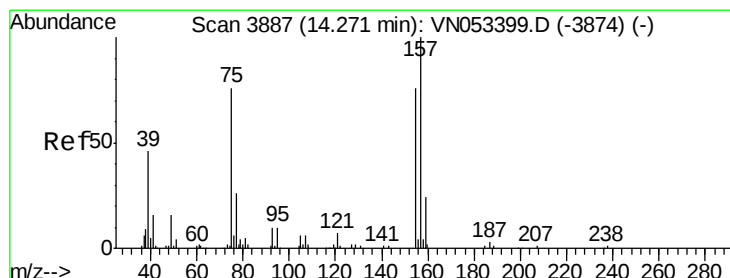
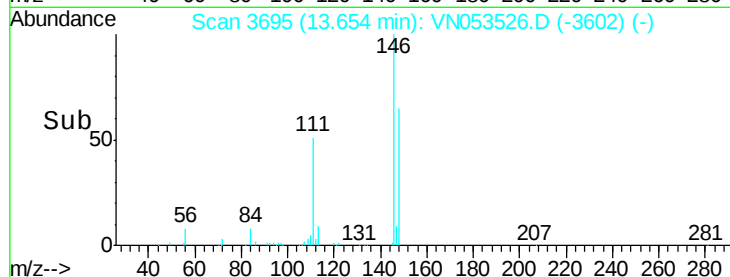
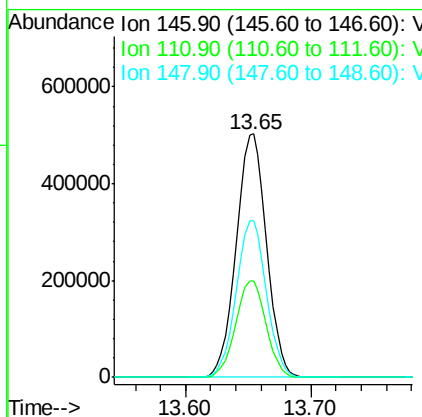
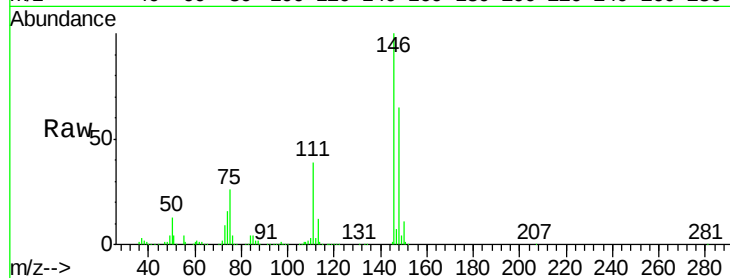
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	841933
Ion Ratio	Lower	Upper	
146	100		
111	39.7	19.5	58.5
148	64.2	31.9	95.9

Manual Integrations
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1/24/2019 11:53:17 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 58.875 ug/l

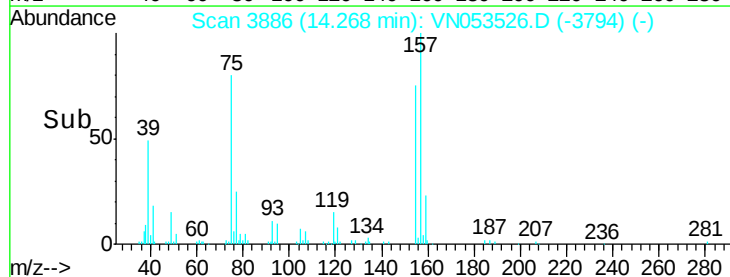
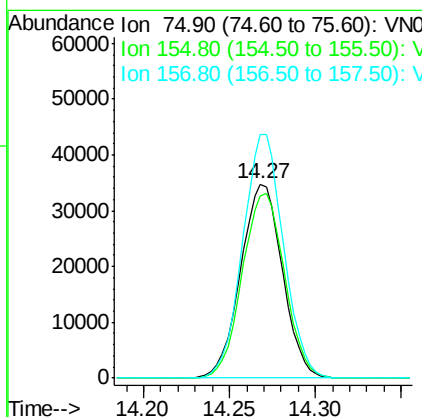
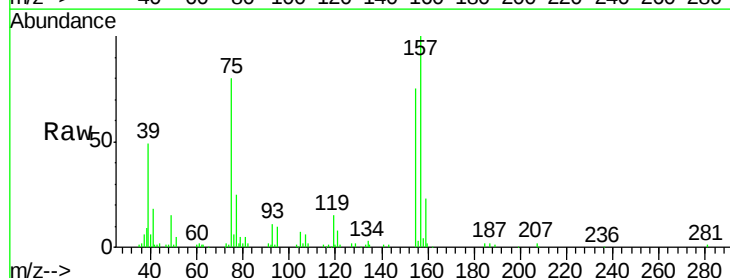
RT: 14.27 min Scan# 3886

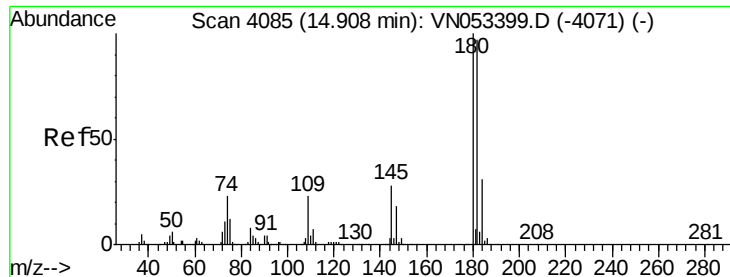
Delta R.T. -0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Tgt Ion:	75	Resp:	58666
Ion Ratio	Lower	Upper	
75	100		
155	96.5	48.9	146.7
157	122.7	63.7	191.3





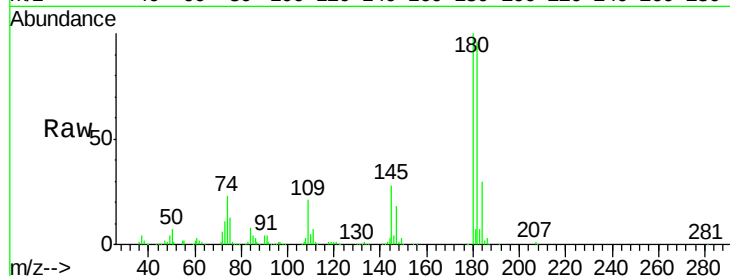
#93
 1,2,4-Trichlorobenzene
 Concen: 63.651 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

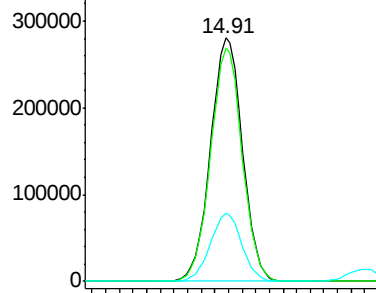
Tot Ion	Ratio	Resp	Lower	Upper
180	100	454389		
182	94.8	48.1	144.3	
145	27.7	13.9	41.6	

Manual Integrations
 APPROVED

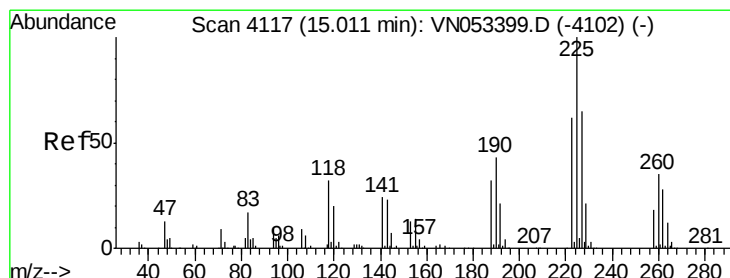
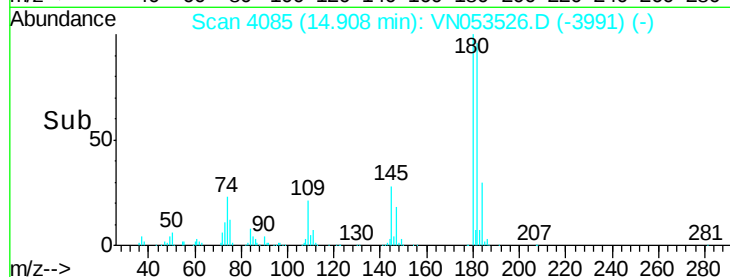
MMDadoda
 1/24/2019 11:53:17 AM



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

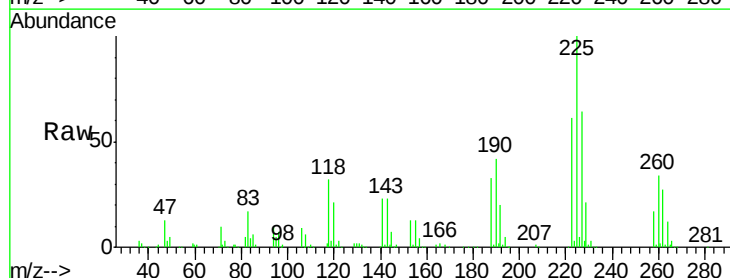


Time-->

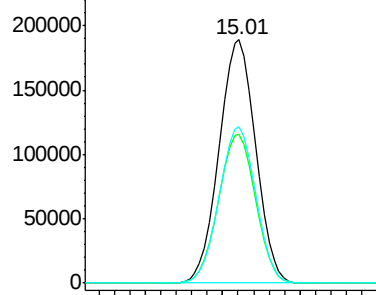


#94
 Hexachlorobutadiene
 Concen: 62.553 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

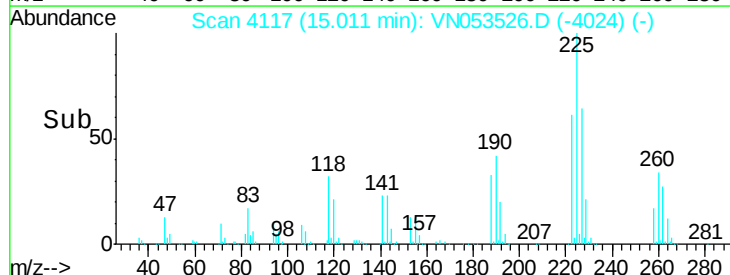
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	311797		
223	62.2	31.1	93.2	
227	64.1	32.0	96.2	

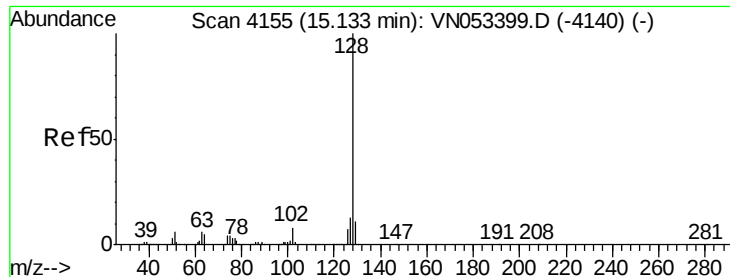


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 57.281 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

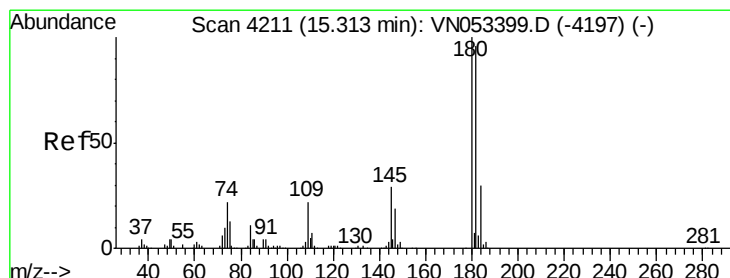
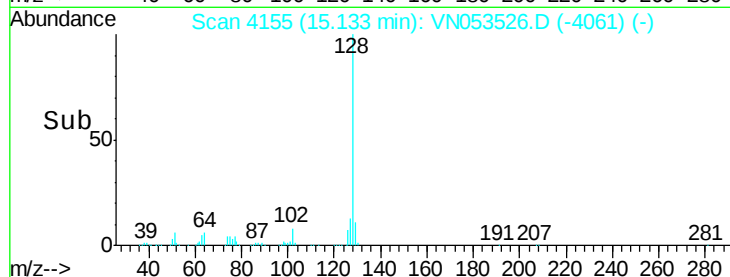
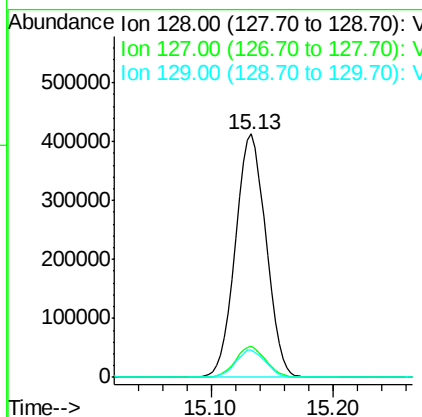
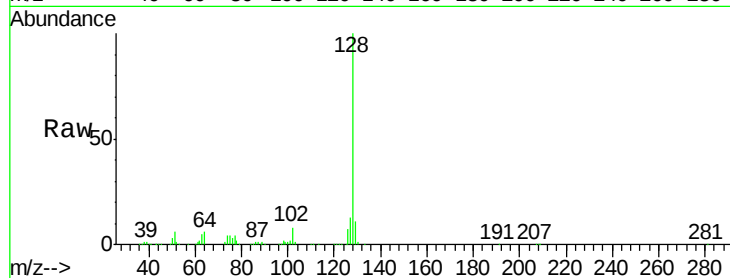
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	716241
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.3	15.5
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/24/2019 11:53:17 AM



#96

1,2,3-Trichlorobenzene

Concen: 62.864 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Tgt Ion:	180	Resp:	329923
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.9	143.8
145	29.1	14.7	44.1

