

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055001.D
 Acq On : 12 Apr 2019 16:05
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 1:58:09 PM

Quant Time: Apr 13 03:19:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 02:20:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	433683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	698427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	622025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	266798	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	288800	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
35) Dibromofluoromethane	7.59	113	234001	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.09	98	861176	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.40	95	285812	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	245474	48.023	ug/l	100
3) Chloromethane	2.06	50	310862	46.128	ug/l	100
4) Vinyl Chloride	2.19	62	260522	44.586	ug/l	100
5) Bromomethane	2.56	94	145598	43.560	ug/l	100
6) Chloroethane	2.71	64	141532	43.281	ug/l	100
7) Trichlorofluoromethane	3.02	101	322326	45.225	ug/l	100
8) Diethyl Ether	3.41	74	105748	46.283	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	167179	44.318	ug/l	100
10) Methyl Iodide	3.94	142	253292	47.645	ug/l	100
11) Tert butyl alcohol	4.82	59	82718	272.373	ug/l	100
12) 1,1-Dichloroethene	3.73	96	162103	43.431	ug/l	100
13) Acrolein	3.61	56	103236	260.235	ug/l	100
14) Allyl chloride	4.31	41	413841	49.362	ug/l	100
15) Acrylonitrile	5.00	53	475920	265.853	ug/l	100
16) Acetone	3.82	43	360904	224.935	ug/l	100
17) Carbon Disulfide	4.04	76	536738	45.168	ug/l	100
18) Methyl Acetate	4.33	43	218039	50.204	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	617550	49.981	ug/l	100
20) Methylene Chloride	4.54	84	252328	47.679	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	225147	47.775	ug/l	100
22) Diisopropyl ether	5.96	45	860617	49.798	ug/l	100
23) Vinyl Acetate	5.90	43	3108842	258.213	ug/l	100
24) 1,1-Dichloroethane	5.85	63	447034	47.585	ug/l	100
25) 2-Butanone	6.85	43	605644	279.838	ug/l	100
26) 2,2-Dichloropropane	6.82	77	298158	45.569	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	260628	48.562	ug/l	100
28) Bromochloromethane	7.19	49	216803	48.873	ug/l	100
29) Tetrahydrofuran	7.22	42	396014	276.763	ug/l	100
30) Chloroform	7.37	83	429920	48.226	ug/l	100
31) Cyclohexane	7.65	56	420962	39.263	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	348348	46.497	ug/l	100
36) 1,1-Dichloropropene	7.79	75	319004	46.762	ug/l	100
37) Ethyl Acetate	6.94	43	258367	53.889	ug/l	100
38) Carbon Tetrachloride	7.77	117	295728	45.042	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	366084	48.704	ug/l	100
40) Benzene	8.04	78	975446	49.406	ug/l	100
41) Methacrylonitrile	7.18	41	144270	52.785	ug/l	100
42) 1,2-Dichloroethane	8.13	62	340921	49.038	ug/l	100
43) Isopropyl Acetate	8.17	43	435442	53.976	ug/l	100
44) Trichloroethene	8.83	130	248533	49.188	ug/l	100
45) 1,2-Dichloropropane	9.12	63	270998	49.253	ug/l	100
46) Dibromomethane	9.21	93	159641	50.743	ug/l	100
47) Bromodichloromethane	9.40	83	327066	49.875	ug/l	100
48) Methyl methacrylate	9.20	41	215915	53.234	ug/l	100
49) 1,4-Dioxane	9.21	88	47756	1143.887	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1259676	278.362	ug/l	100
52) Toluene	10.16	92	582758	50.162	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	305809	50.821	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	376183	51.089	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	220790	51.915	ug/l	100
56) Ethyl methacrylate	10.43	69	291945	52.709	ug/l	100
57) 1,3-Dichloropropane	10.71	76	381338	51.378	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	559312	256.931	ug/l	100
59) 2-Hexanone	10.75	43	790516	280.872	ug/l	100
60) Dibromochloromethane	10.90	129	228604	51.666	ug/l	100
61) 1,2-Dibromoethane	11.00	107	208655	52.324	ug/l	100
64) Tetrachloroethene	10.63	164	236972	47.578	ug/l	100
65) Chlorobenzene	11.43	112	604056	48.224	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	224680	48.983	ug/l	100
67) Ethyl Benzene	11.51	91	1097354	48.616	ug/l	100
68) m/p-Xylenes	11.62	106	811026	98.194	ug/l	100
69) o-Xylene	11.95	106	392614	48.815	ug/l	100
70) Styrene	11.96	104	665177	51.489	ug/l	100
71) Bromoform	12.13	173	143454	51.670	ug/l	100
73) Isopropylbenzene	12.25	105	1054171	47.092	ug/l	100
74) N-amyl acetate	12.07	43	338053	53.928	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	275680	49.403	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	253009m	52.507	ug/l	
77) Bromobenzene	12.52	156	259820	47.865	ug/l	100
78) n-propylbenzene	12.59	91	1185410	48.049	ug/l	100
79) 2-Chlorotoluene	12.67	91	713962	46.695	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	871110	47.416	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	57681	50.171	ug/l	100
82) 4-Chlorotoluene	12.77	91	701512	48.514	ug/l	100
83) tert-Butylbenzene	12.99	119	741064	47.293	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	862097	48.540	ug/l	100
85) sec-Butylbenzene	13.17	105	970257	47.870	ug/l	100
86) p-Isopropyltoluene	13.29	119	852350	48.854	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	431955	48.002	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	420169	48.983	ug/l	100
89) n-Butylbenzene	13.61	91	692937	50.047	ug/l	100
90) Hexachloroethane	13.87	117	136024	46.873	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	427289	48.215	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39314	50.626	ug/l	100

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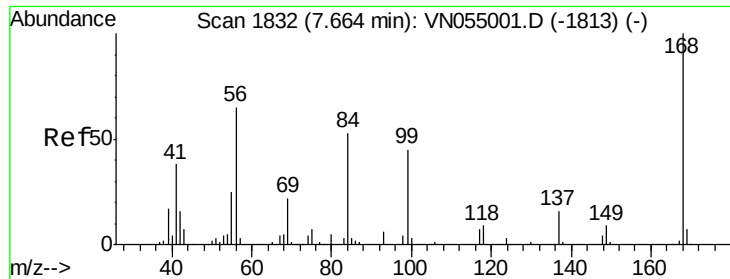
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	203062	52.115	ug/l	100
94) Hexachlorobutadiene	15.01	225	135539	45.645	ug/l	100
95) Naphthalene	15.13	128	446212	51.853	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	206344	50.969	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: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 433683

Ion Ratio Lower Upper

168 100

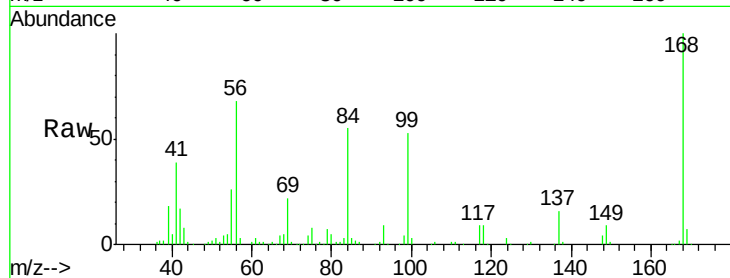
99 52.4 41.9 62.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

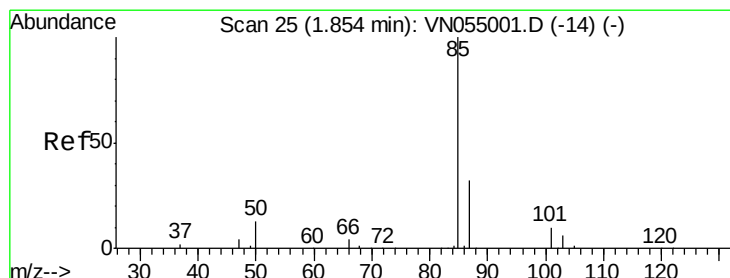
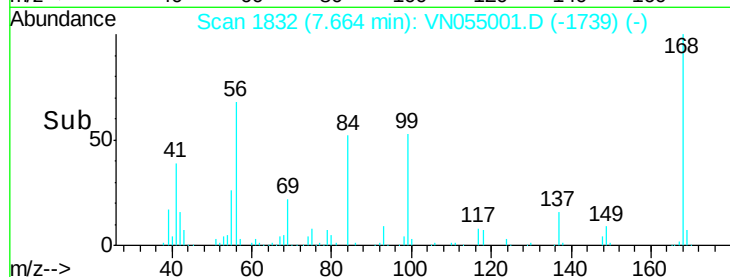
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.023 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055001.D

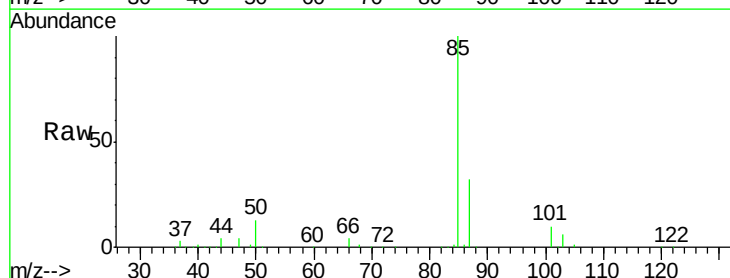
Acq: 12 Apr 2019 16:05

Tgt Ion: 85 Resp: 245474

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

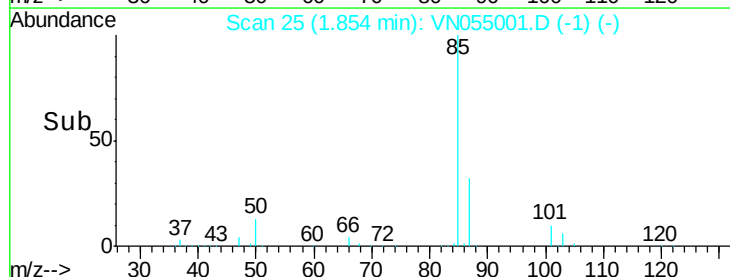
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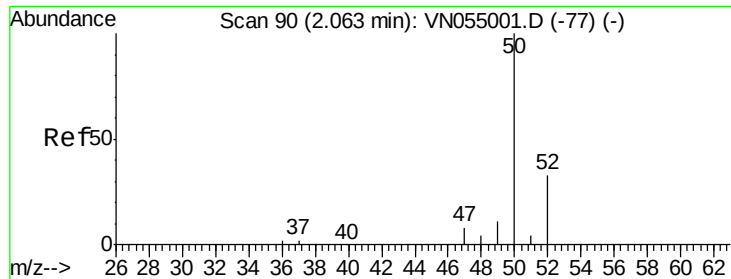
100000

50000

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Time-->





#3

Chloromethane

Concen: 46.128 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 310862

Ion Ratio Lower Upper

50 100

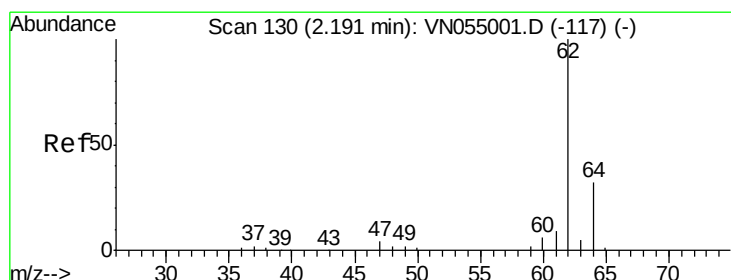
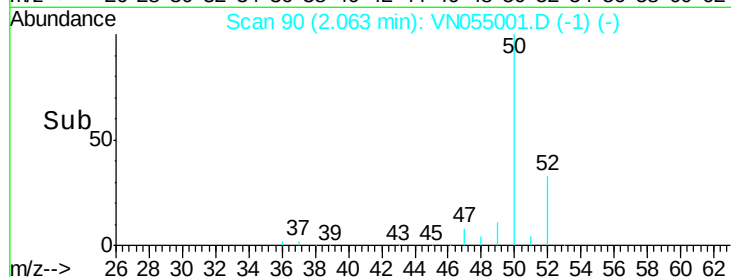
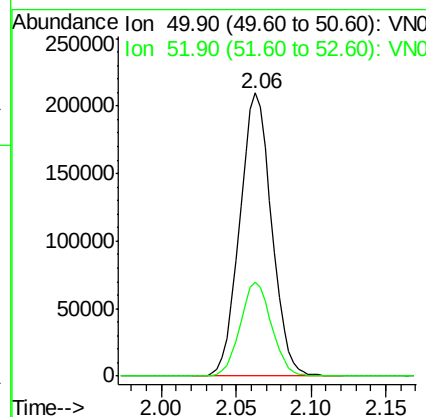
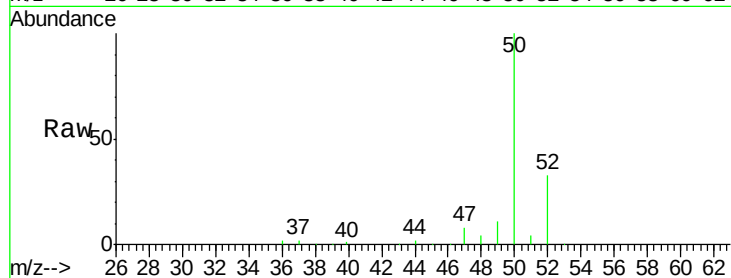
52 33.3 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.586 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055001.D

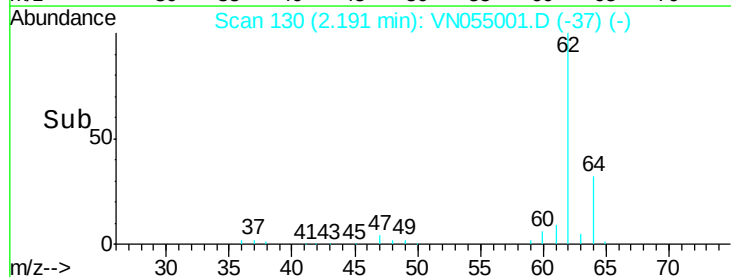
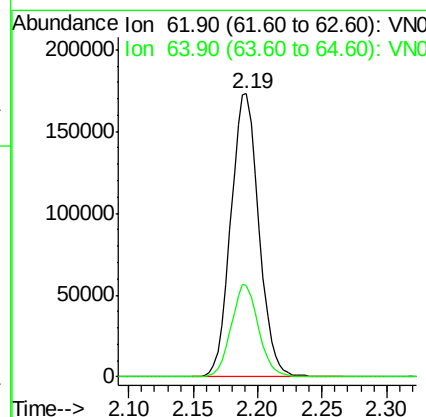
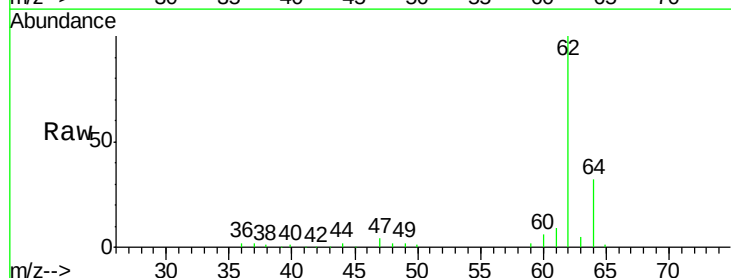
Acq: 12 Apr 2019 16:05

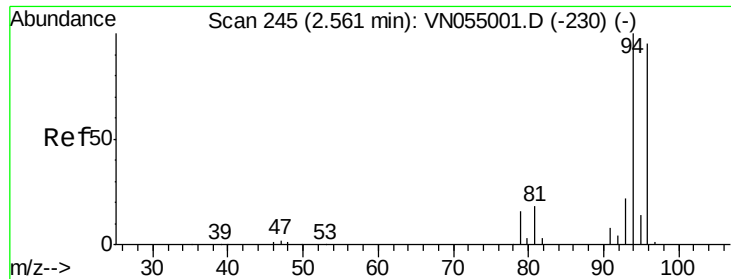
Tgt Ion: 62 Resp: 260522

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.6





#5

Bromomethane

Concen: 43.560 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 145598

Ion Ratio Lower Upper

94 100

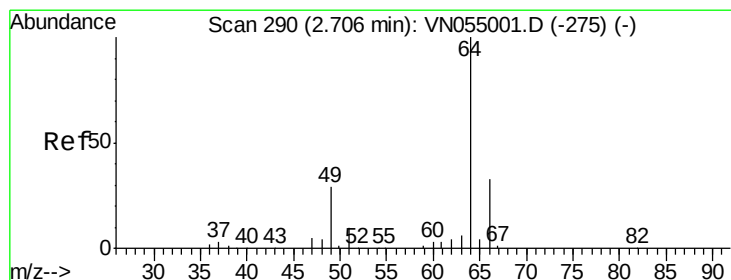
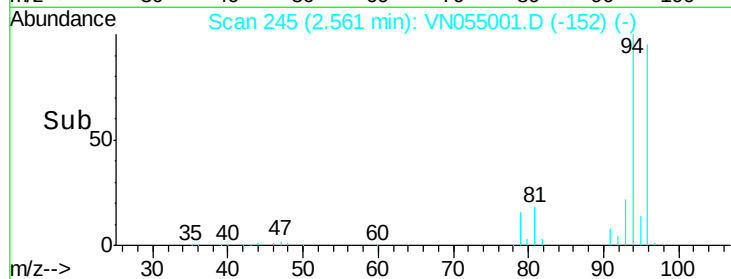
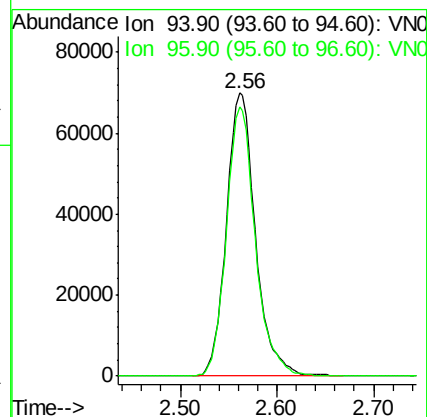
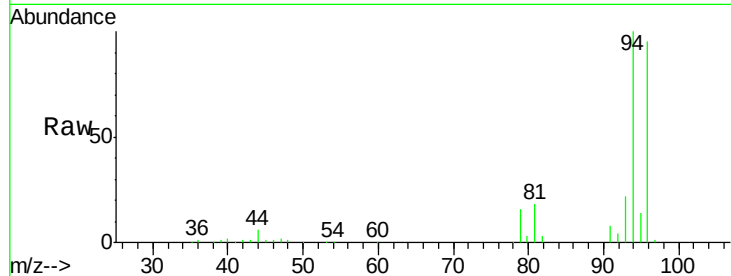
96 95.3 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 43.281 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN055001.D

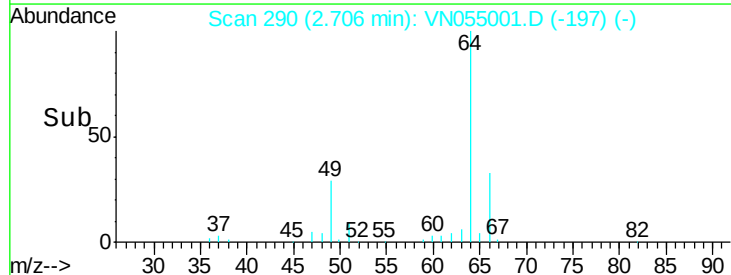
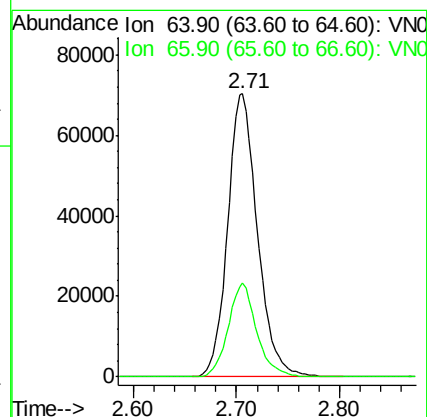
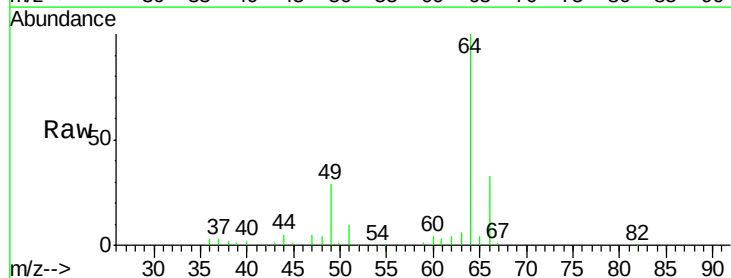
Acq: 12 Apr 2019 16:05

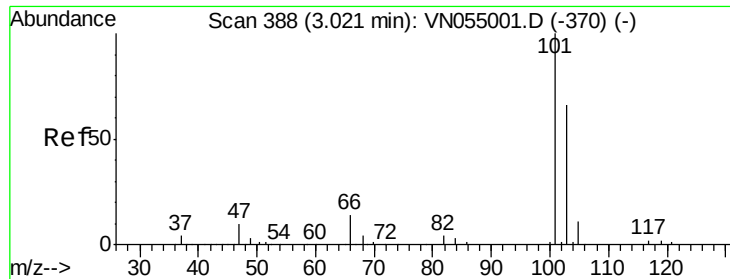
Tgt Ion: 64 Resp: 141532

Ion Ratio Lower Upper

64 100

66 33.3 26.6 40.0





#7

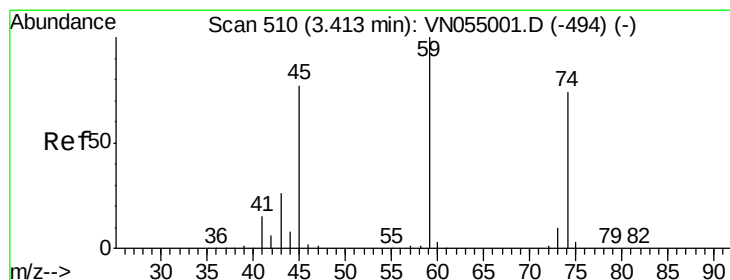
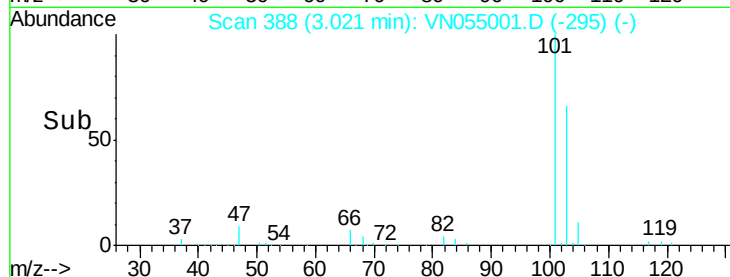
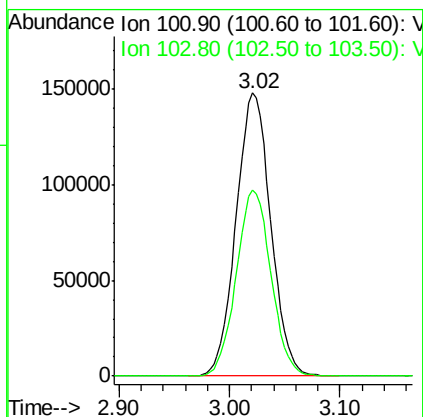
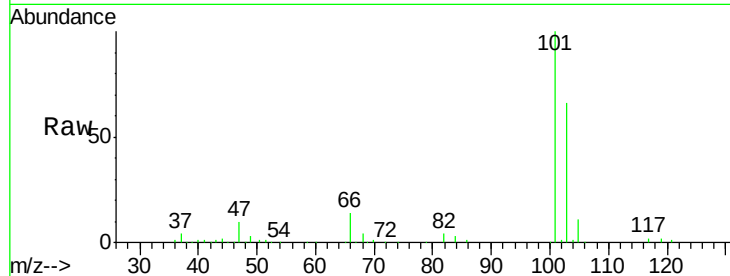
Trichlorofluoromethane
Concen: 45.225 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.5	78.7

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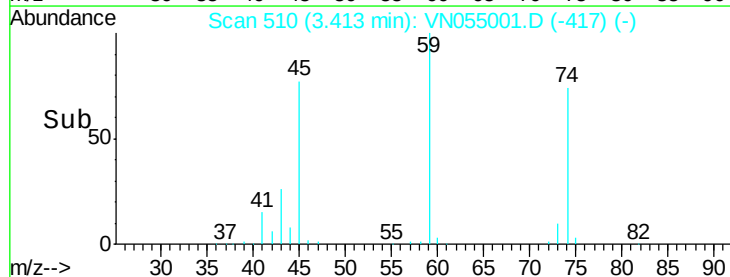
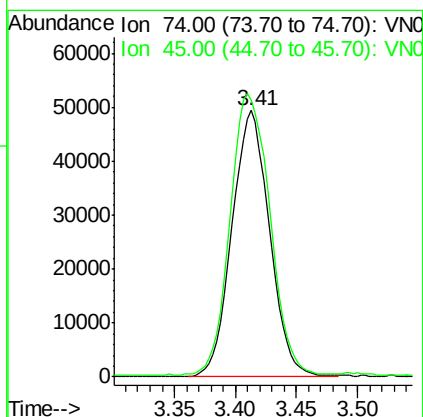
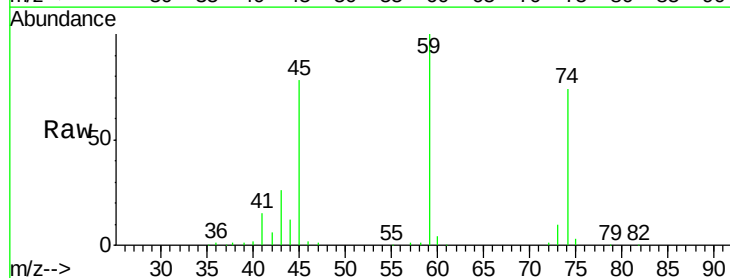
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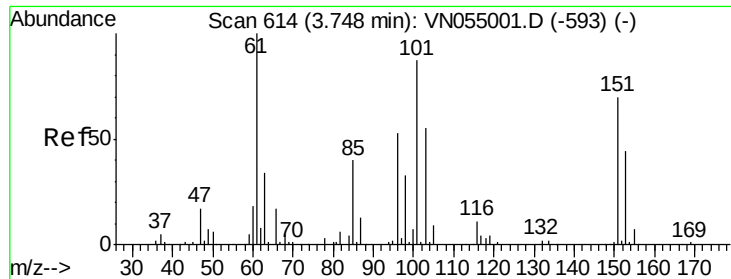


#8

Diethyl Ether
Concen: 46.283 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.4	55.7	167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.318 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

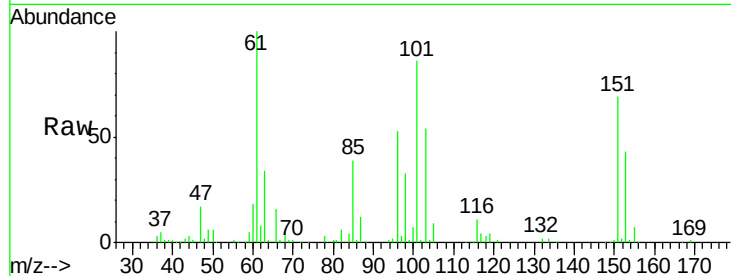
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	167179
Ion Ratio	Lower	Upper	
101	100		
85	46.1	36.9	55.3
151	80.5	64.4	96.6

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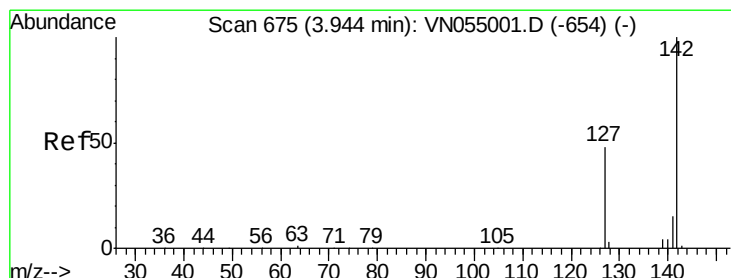
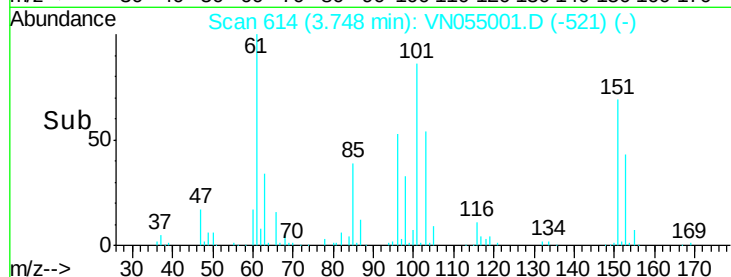
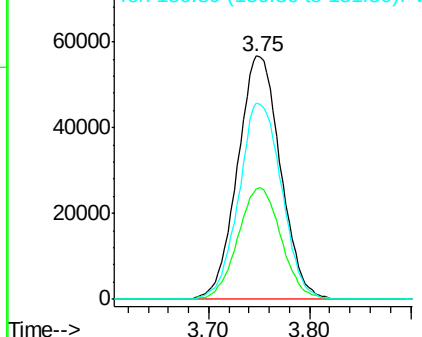
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.645 ug/l

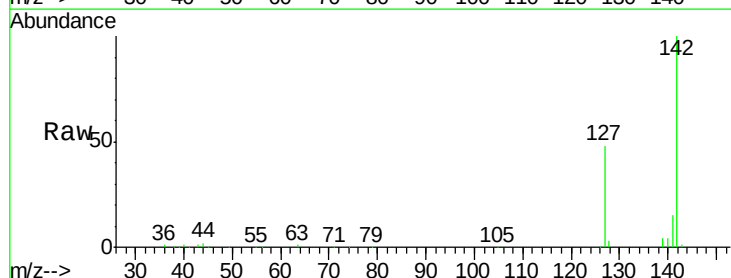
RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

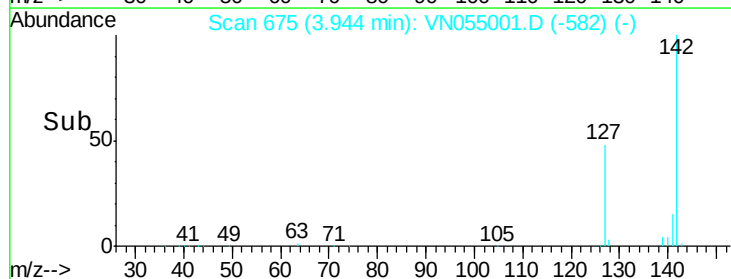
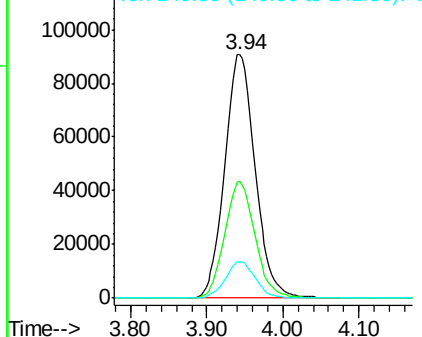
Tgt Ion:	142	Resp:	253292
Ion Ratio	Lower	Upper	
142	100		
127	47.4	37.9	56.9
141	14.8	11.8	17.8

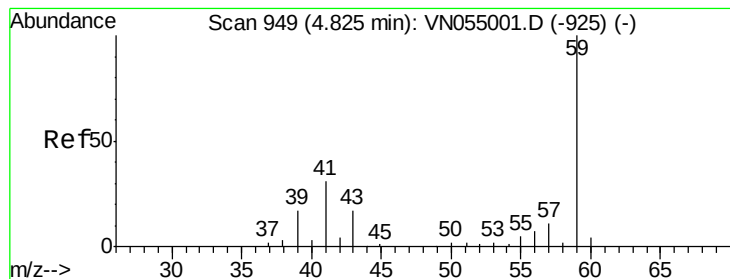


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

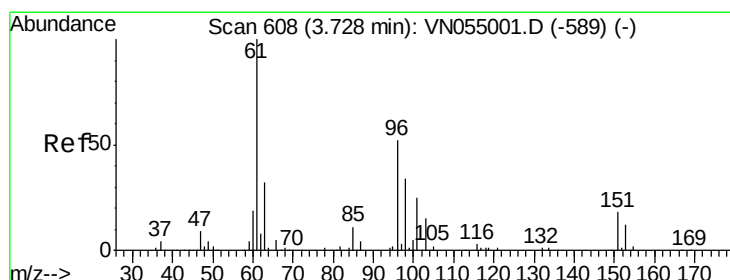
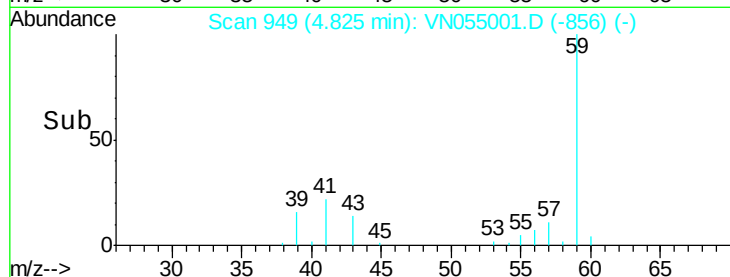
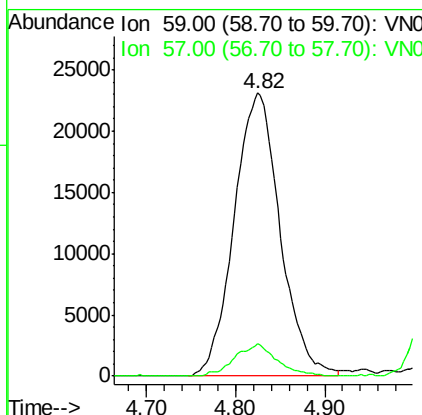
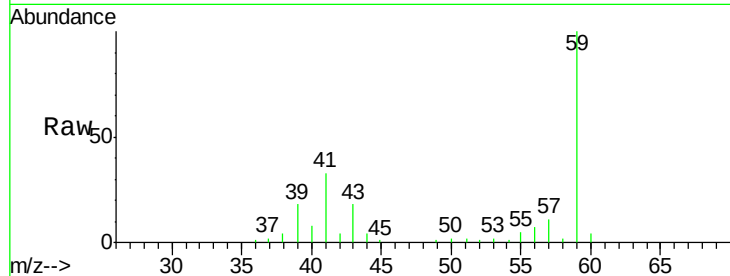
Tert butyl alcohol
 Concen: 272.373 ug/l
 RT: 4.82 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	59	57	Ratio	100	10.4	Resp:	82718	Lower	Upper
59	100								
57		10.4						8.3	12.5

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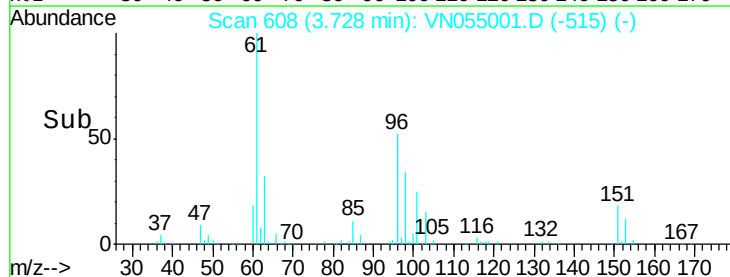
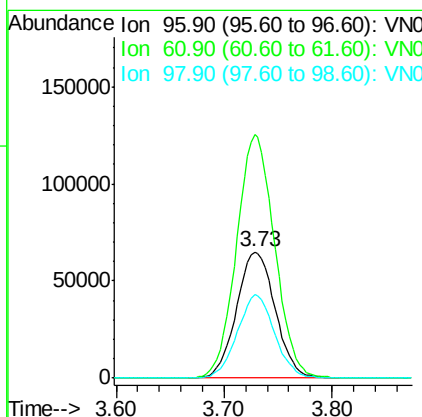
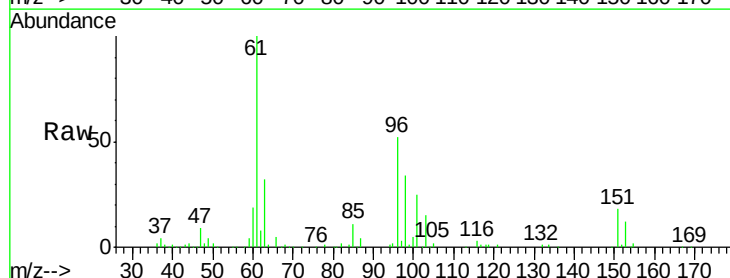
MMDadoda
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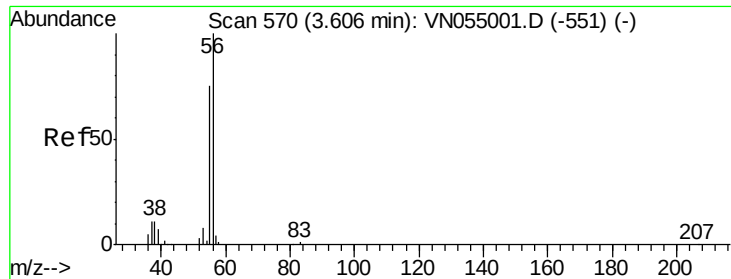


#12

1,1-Dichloroethene
 Concen: 43.431 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Tgt Ion	96	61	98	Ratio	100	192.8	66.1	Resp:	162103	Lower	Upper
96	100										
61		192.8								154.2	231.4
98		66.1								52.9	79.3





#13

Acrolein

Concen: 260.235 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 103236

Ion Ratio Lower Upper

56 100

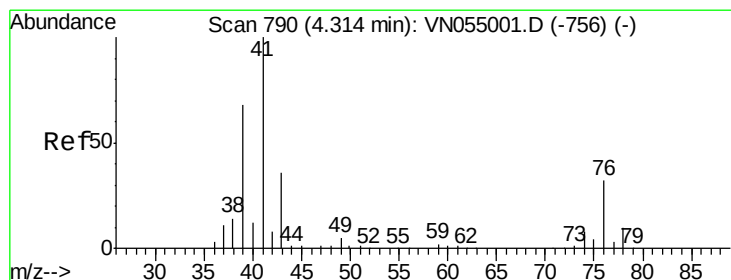
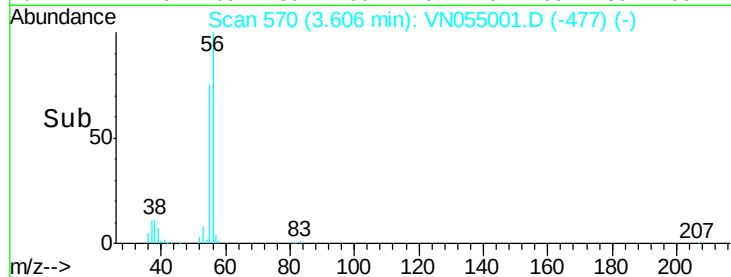
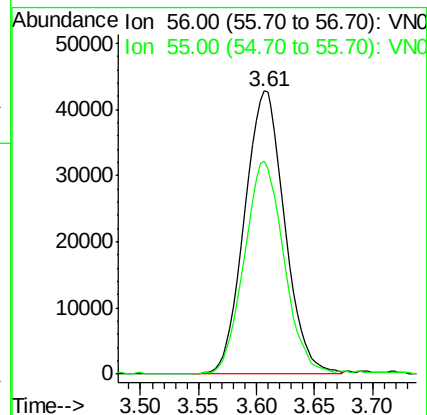
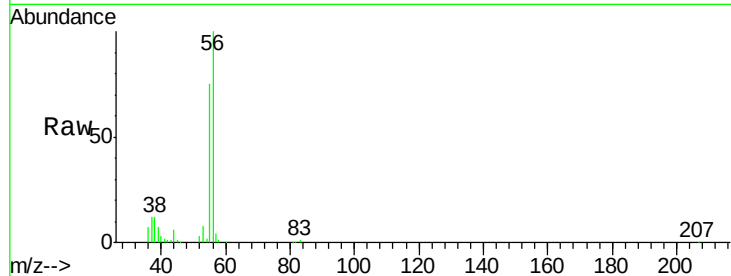
55 74.4 59.5 89.3

Manual Integrations

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#14

Allyl chloride

Concen: 49.362 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

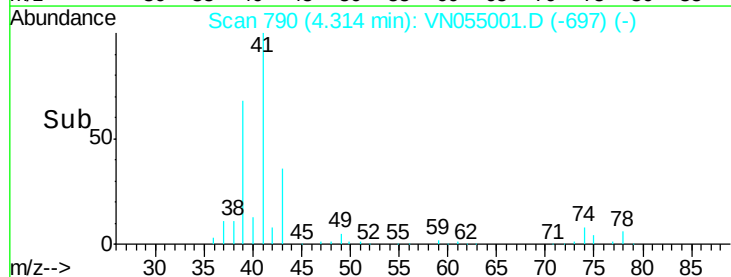
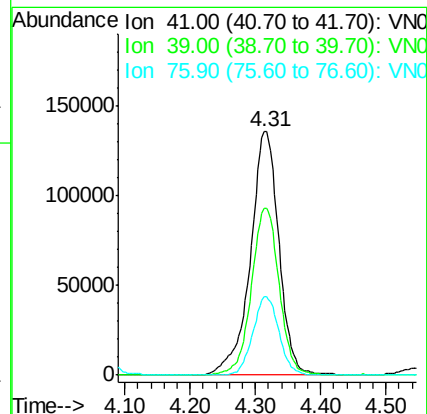
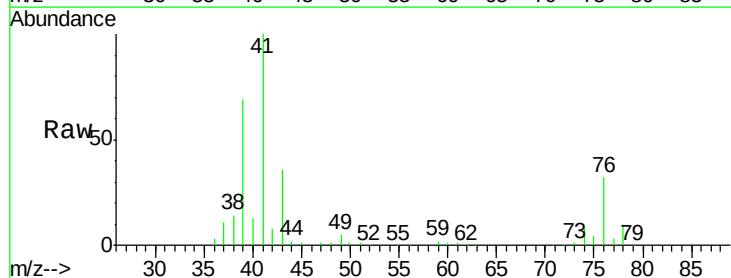
Tgt Ion: 41 Resp: 413841

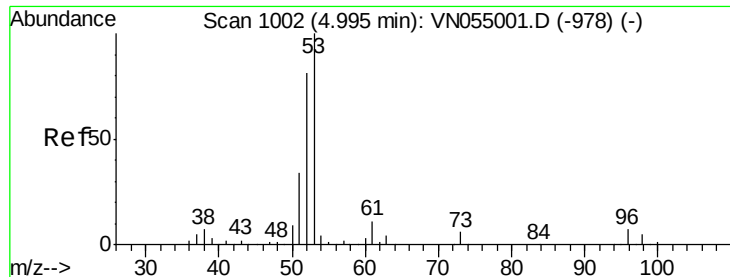
Ion Ratio Lower Upper

41 100

39 65.9 52.7 79.1

76 29.0 23.2 34.8





#15

Acrylonitrile

Concen: 265.853 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

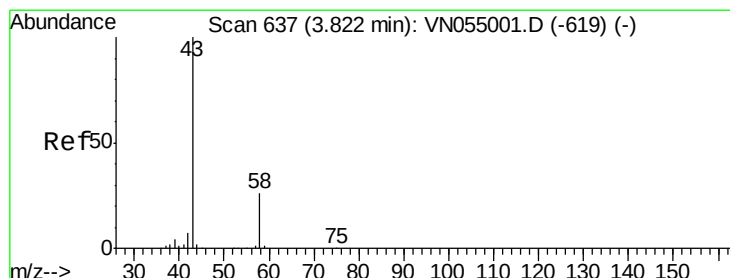
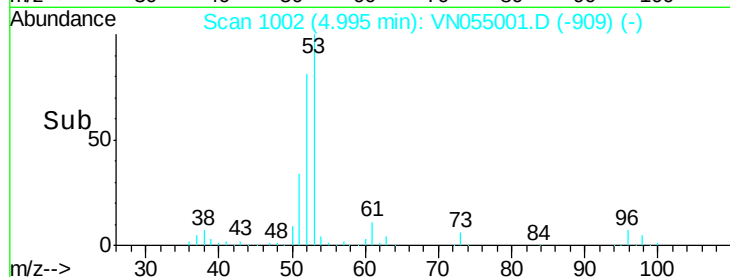
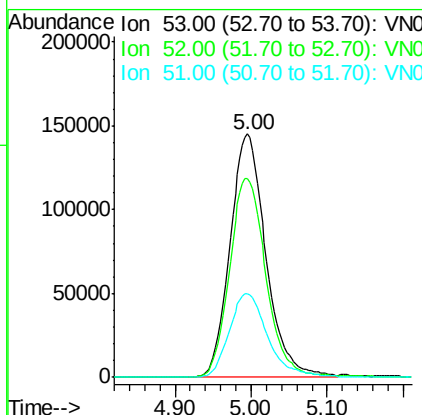
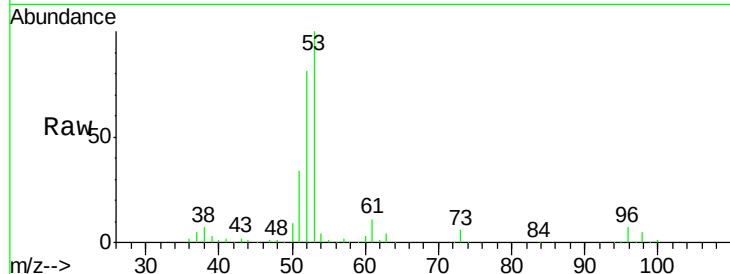
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	475920
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.9	98.9
51	37.1	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 224.935 ug/l

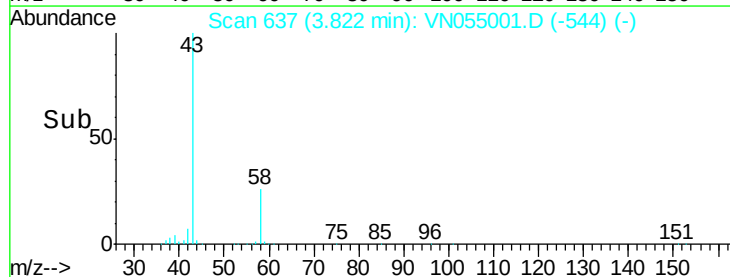
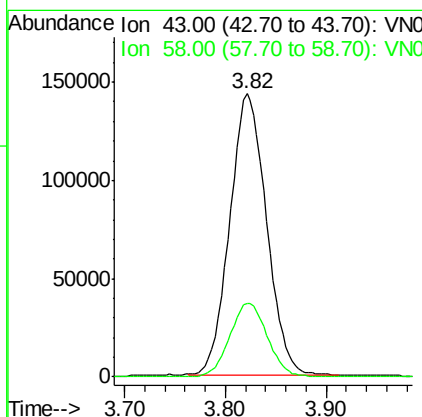
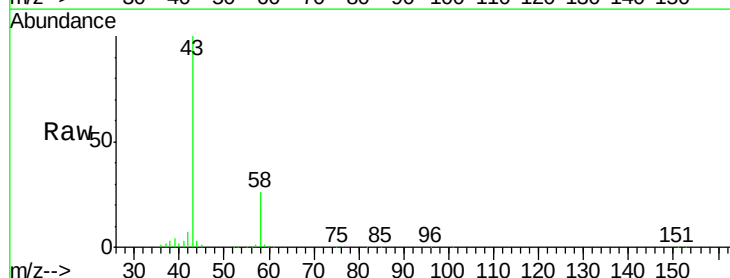
RT: 3.82 min Scan# 637

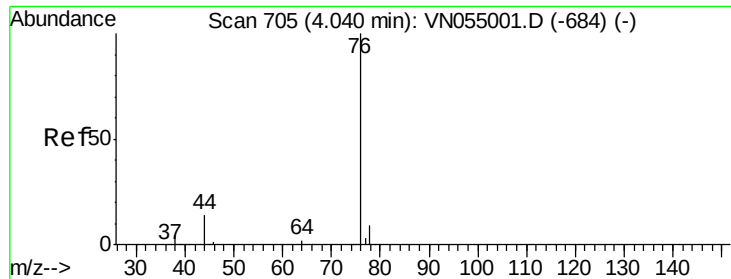
Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Tgt Ion:	43	Resp:	360904
Ion	Ratio	Lower	Upper
43	100		
58	26.1	20.9	31.3





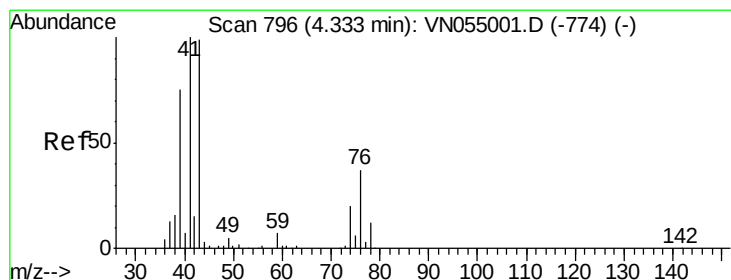
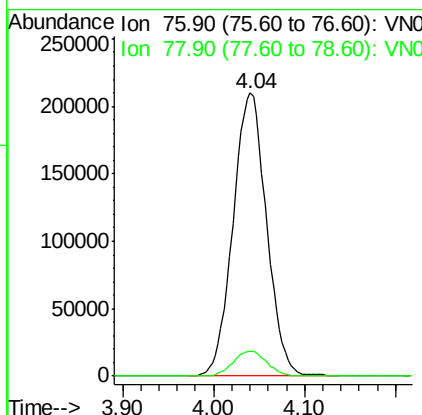
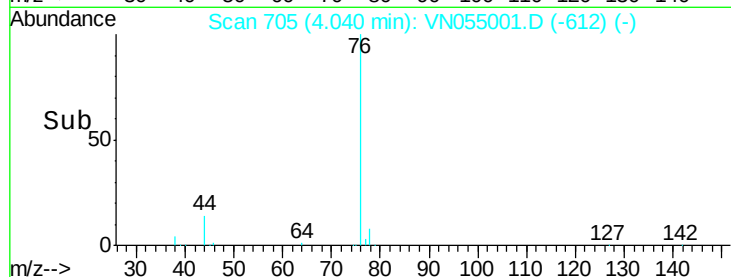
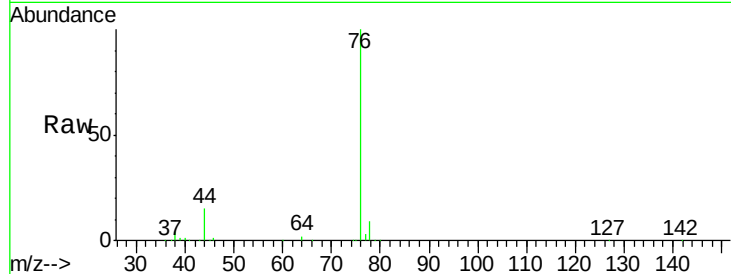
#17
Carbon Disulfide
Concen: 45.168 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

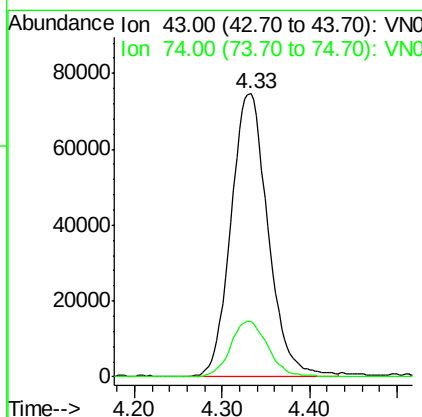
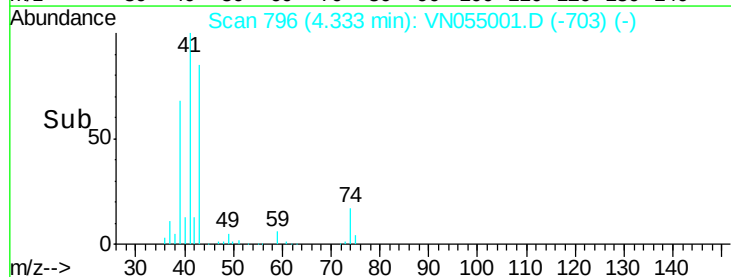
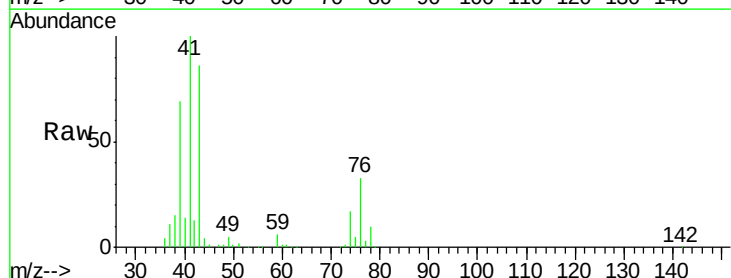
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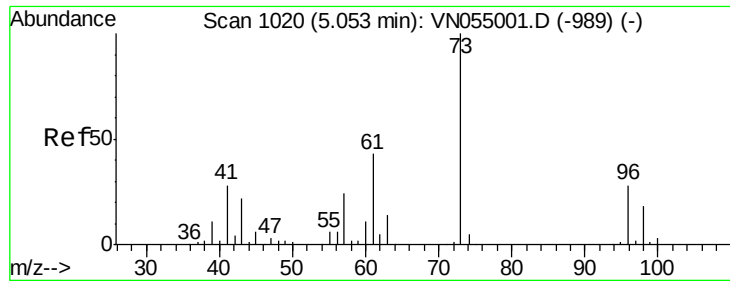
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#18
Methyl Acetate
Concen: 50.204 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	16.1	24.1





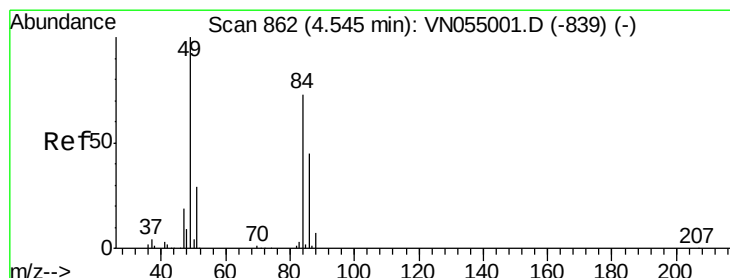
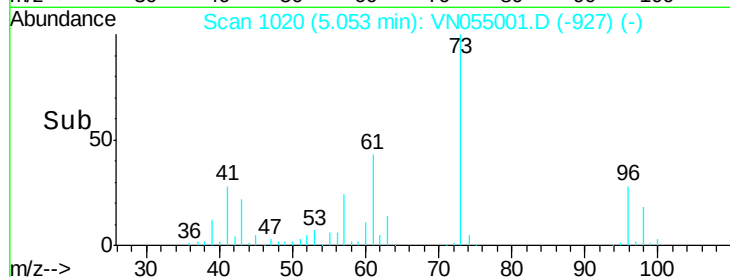
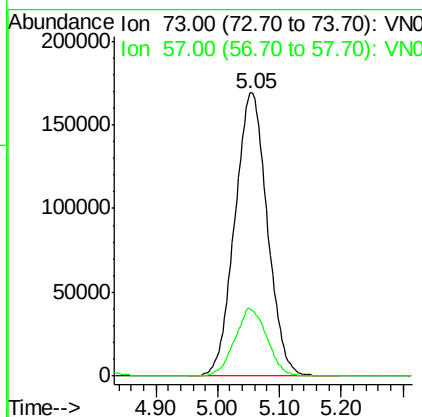
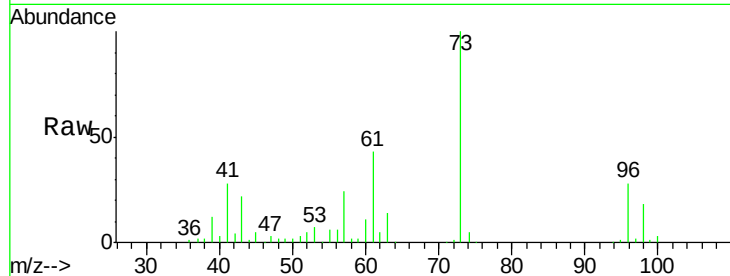
#19
Methyl tert-butyl Ether
Concen: 49.981 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 617550
Ion Ratio Lower Upper
73 100
57 23.7 19.0 28.4

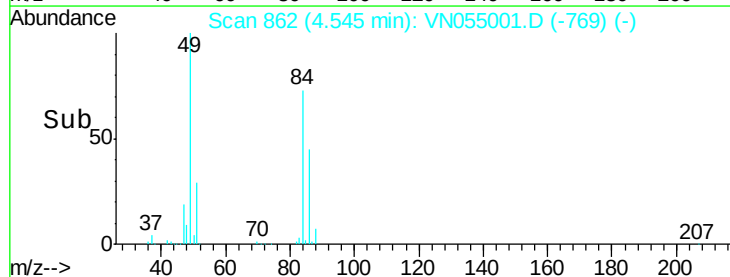
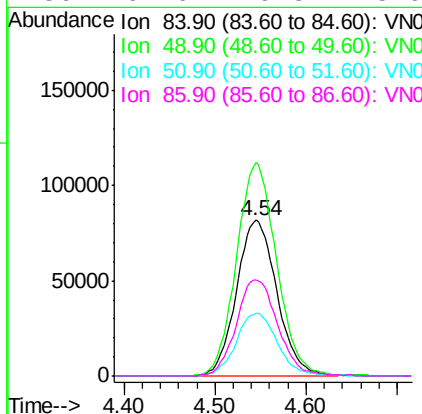
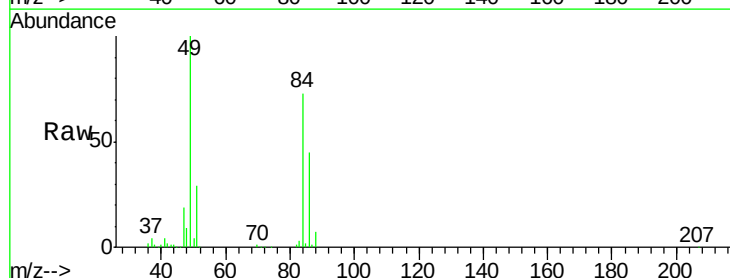
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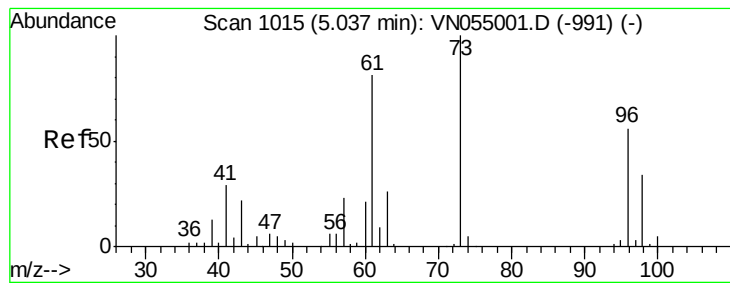
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#20
Methylene Chloride
Concen: 47.679 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion: 84 Resp: 252328
Ion Ratio Lower Upper
84 100
49 136.8 109.4 164.2
51 40.3 32.2 48.4
86 61.6 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 47.775 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

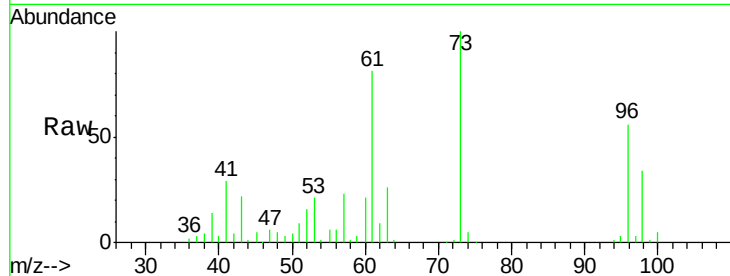
ClientSampled :

VSTDICCC050

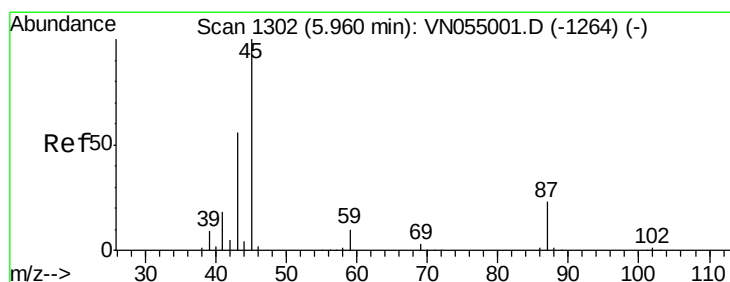
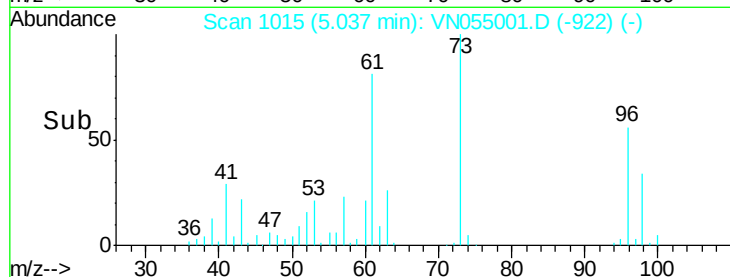
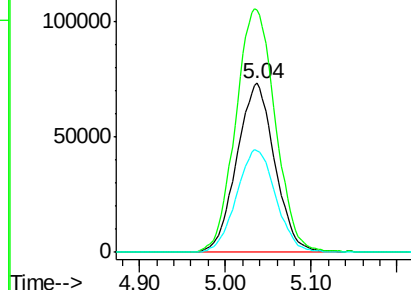
Tot Ion:	96	Resp:	225147
Ion	Ratio	Lower	Upper
96	100		
61	143.6	114.9	172.3
98	60.5	48.4	72.6

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



#22

Diisopropyl ether

Concen: 49.798 ug/l

RT: 5.96 min Scan# 1302

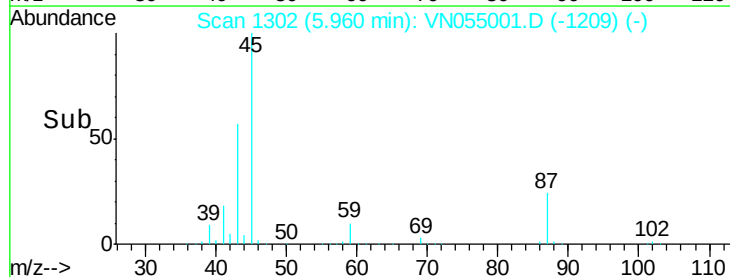
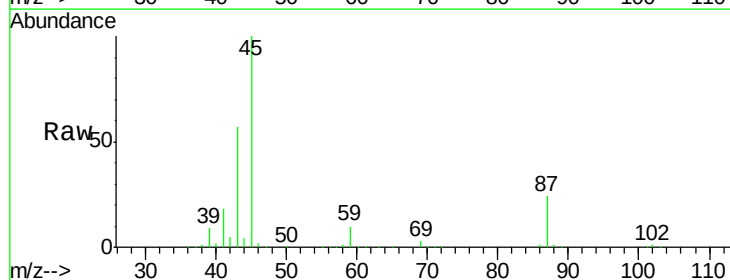
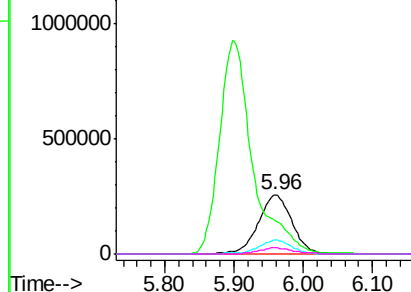
Delta R.T. 0.00 min

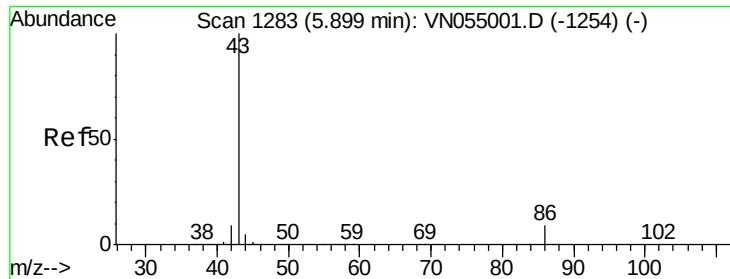
Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Tgt Ion:	45	Resp:	860617
Ion	Ratio	Lower	Upper
45	100		
43	56.0	44.8	67.2
87	23.6	18.9	28.3
59	9.9	7.9	11.9

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





#23

Vinyl Acetate

Concen: 258.213 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Tot Ion: 43 Resp: 3108842

Ion Ratio Lower Upper

43 100

86 8.7 7.0 10.4

Instrument :

MSVOA_N

ClientSampleId :

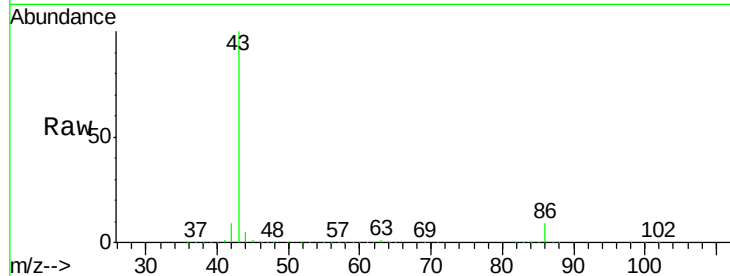
VSTDICCC050

Manual Integrations

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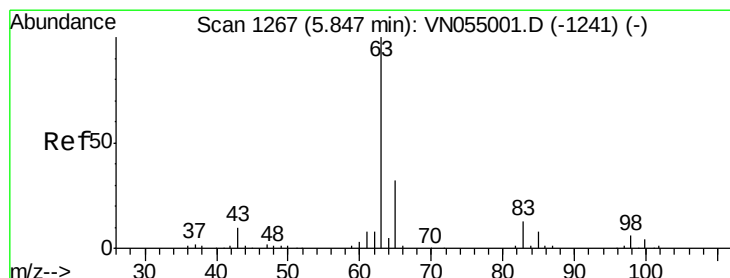
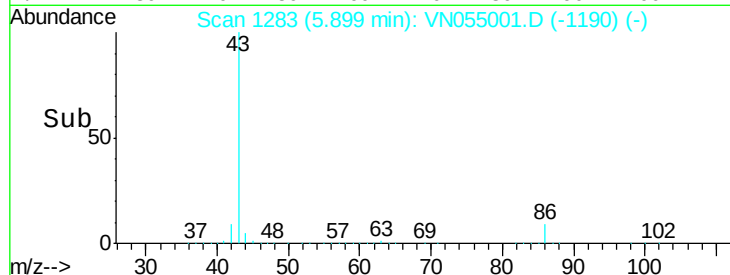
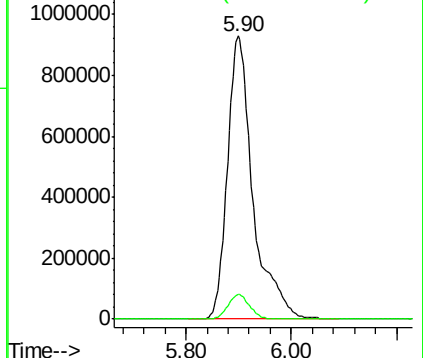
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.585 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

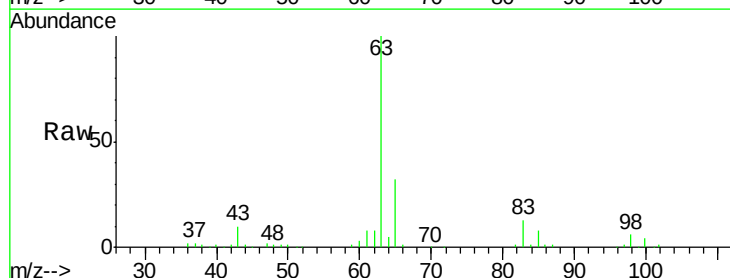
Tgt Ion: 63 Resp: 447034

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

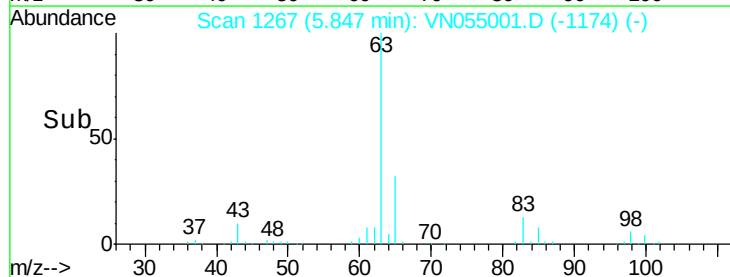
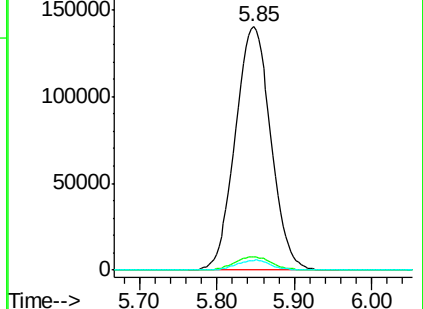
100 3.9 2.0 5.8

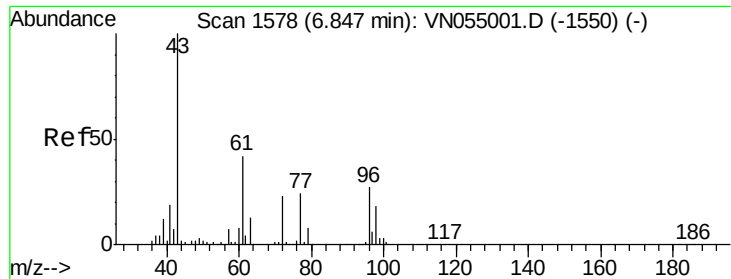


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 279.838 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 605644

Ion Ratio Lower Upper

43 100

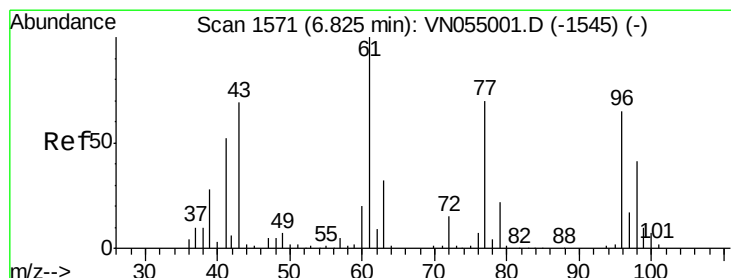
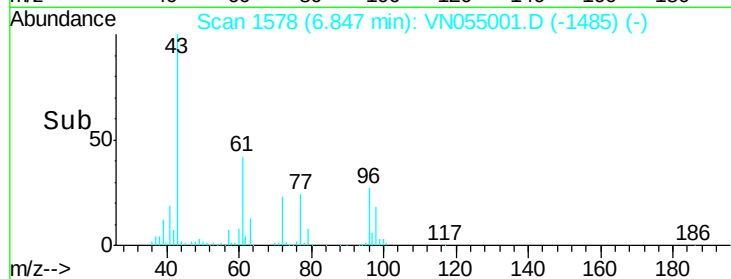
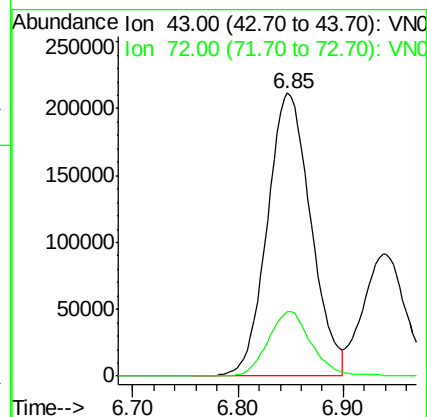
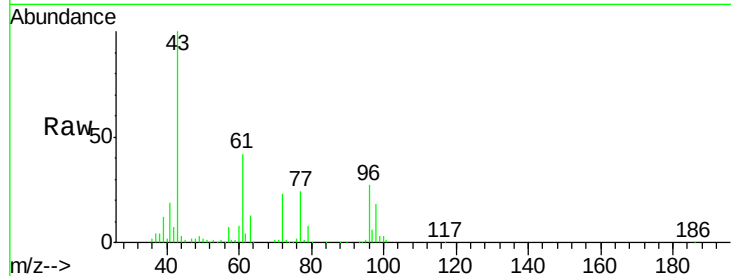
72 22.6 18.1 27.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.569 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055001.D

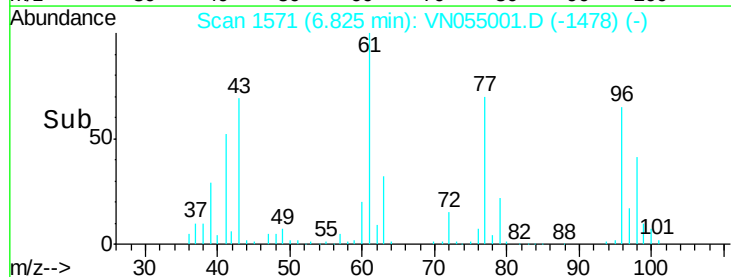
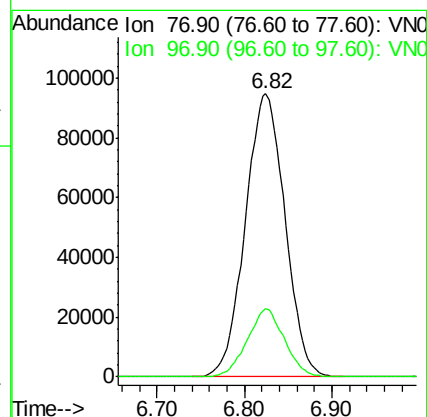
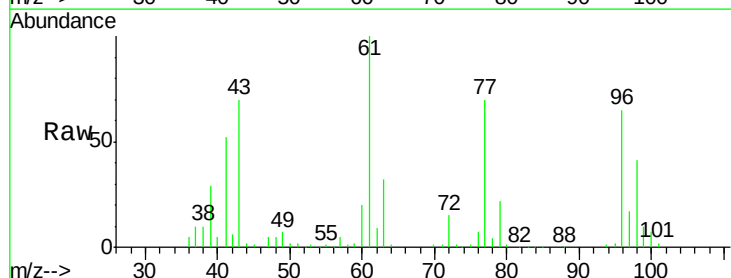
Acq: 12 Apr 2019 16:05

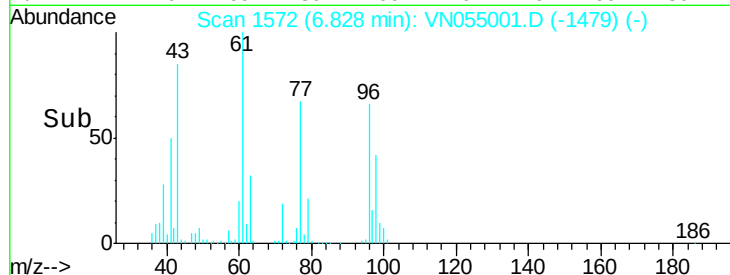
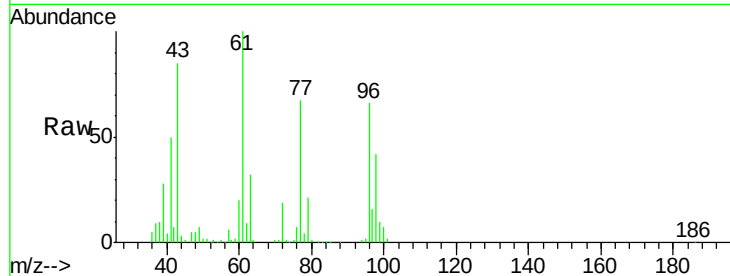
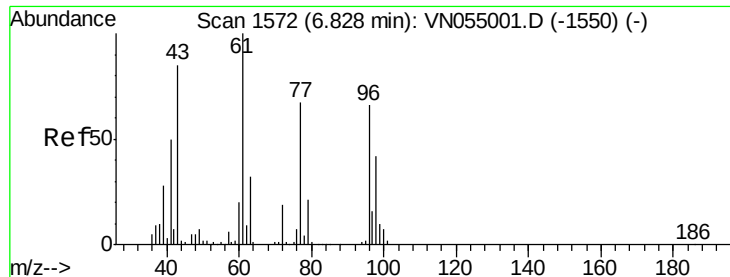
Tgt Ion: 77 Resp: 298158

Ion Ratio Lower Upper

77 100

97 22.6 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 48.562 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Tot Ion:	96	Resp:	260628
Ion Ratio	Lower	Upper	
96	100		
61	155.5	0.0	311.0
98	63.7	0.0	127.4

Instrument :

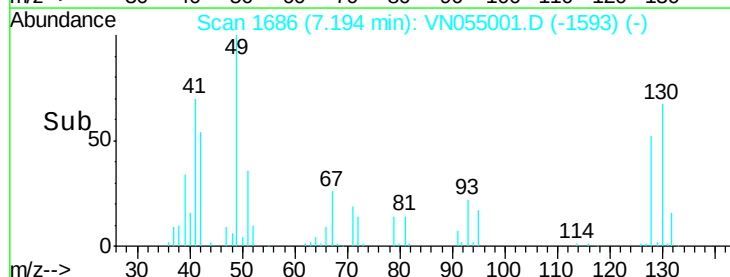
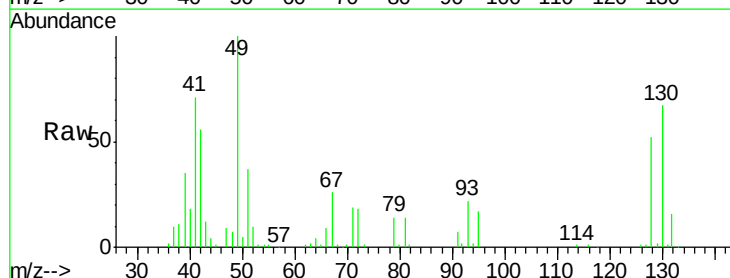
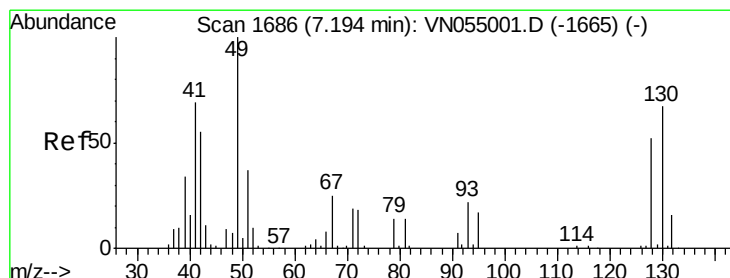
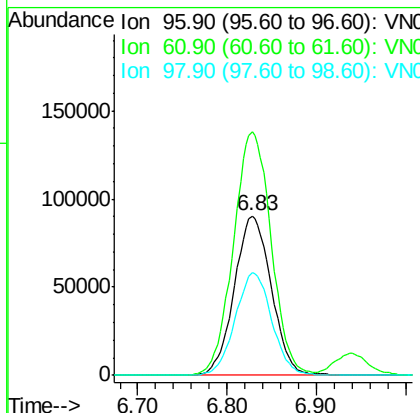
MSVOA_N

ClientSampleId :

VSTDICCC050

Manual Integrations
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#28

Bromochloromethane

Concen: 48.873 ug/l

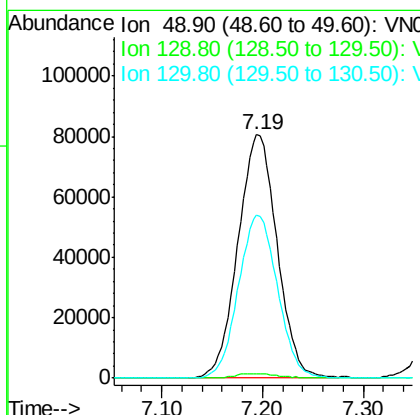
RT: 7.19 min Scan# 1686

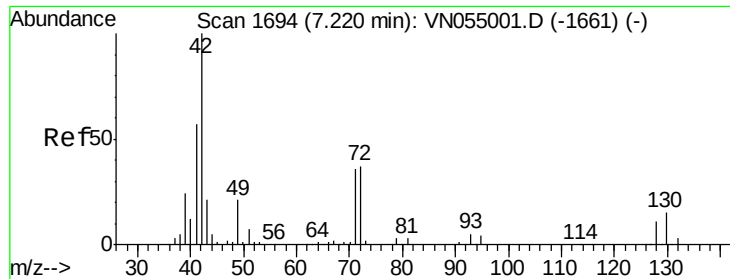
Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Tgt Ion:	49	Resp:	216803
Ion Ratio	Lower	Upper	
49	100		
129	1.0	0.0	2.0
130	66.8	53.4	80.2





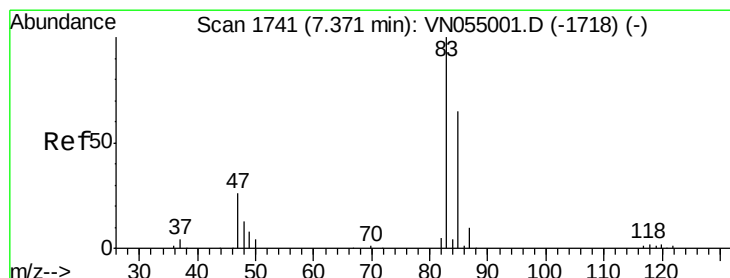
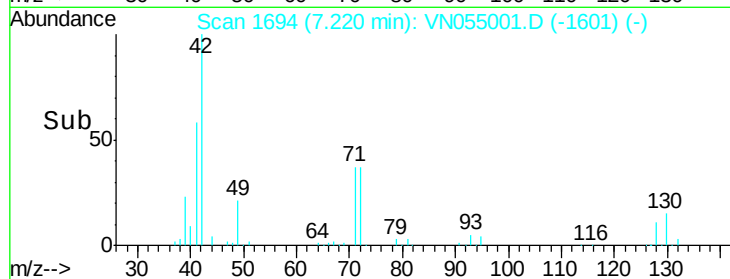
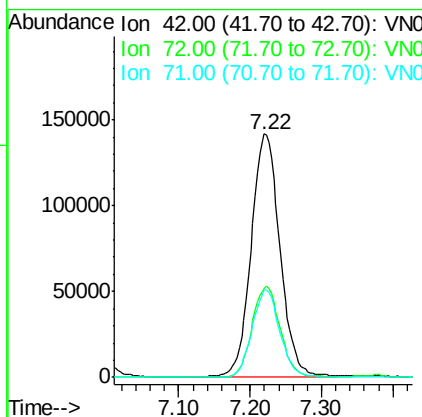
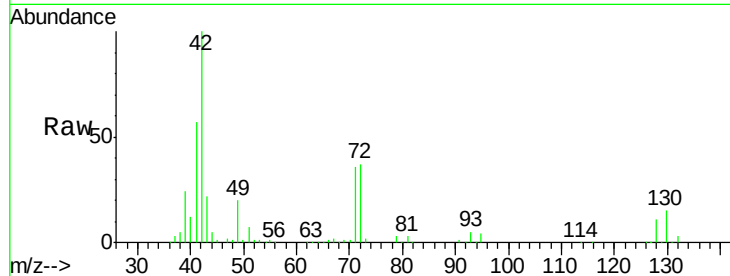
#29
Tetrahydrofuran
Concen: 276.763 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	29.4	44.0
71	34.7	27.8	41.6

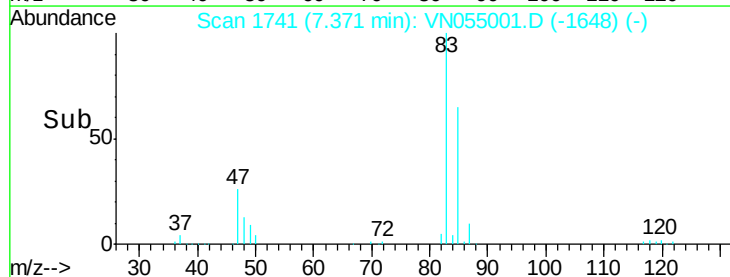
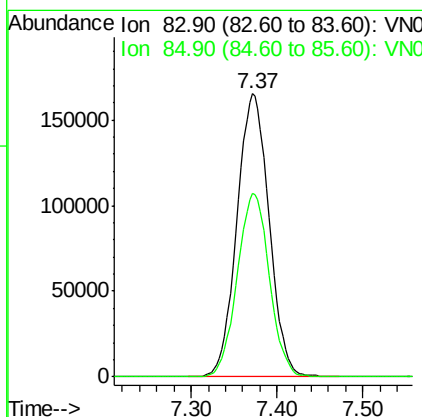
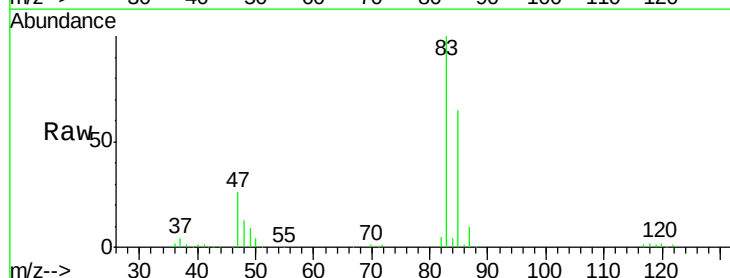
Manual Integrations
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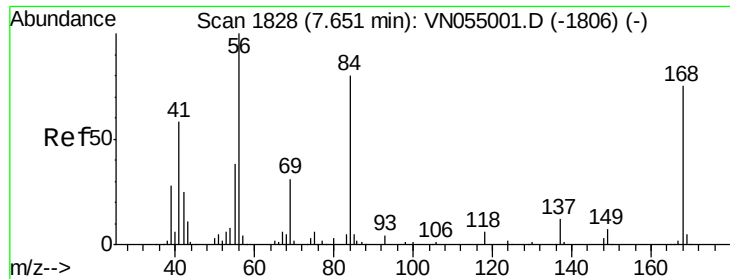
MMDadoda
4/16/2019 1:58:09 PM



#30
Chloroform
Concen: 48.226 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6





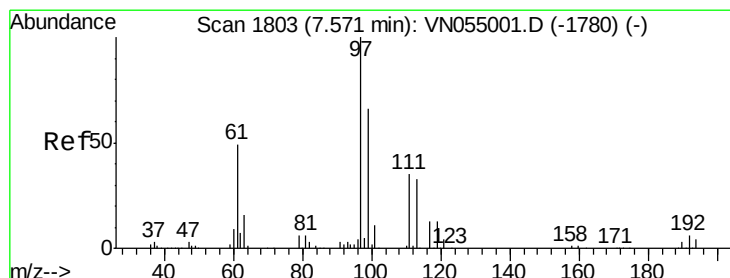
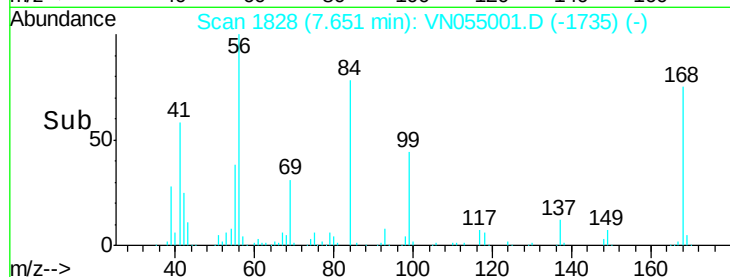
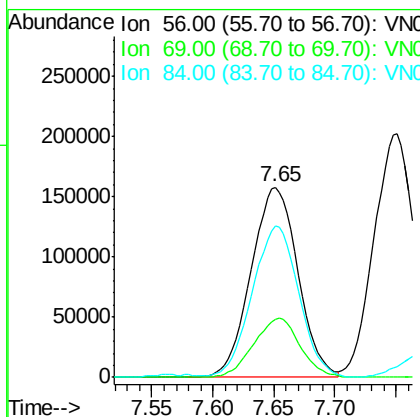
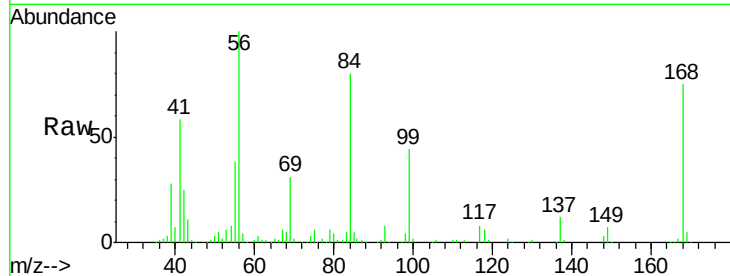
#31
Cyclohexane
Concen: 39.263 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.5	36.7
84	78.6	62.9	94.3

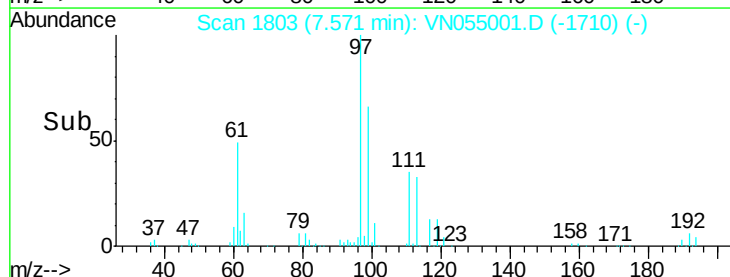
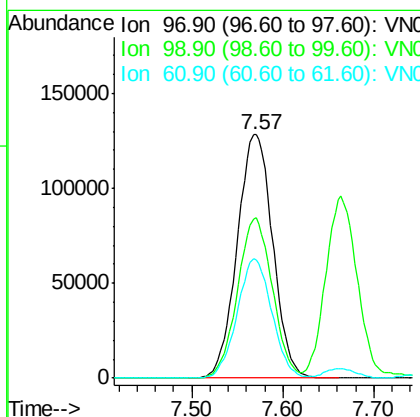
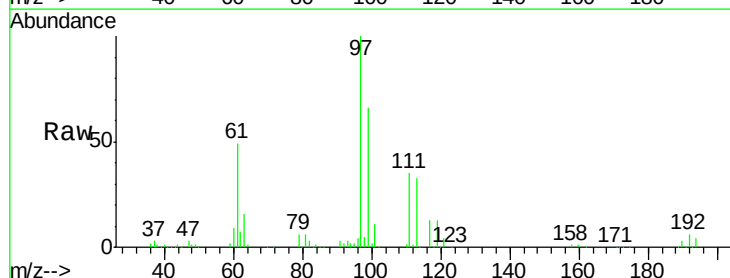
Manual Integrations
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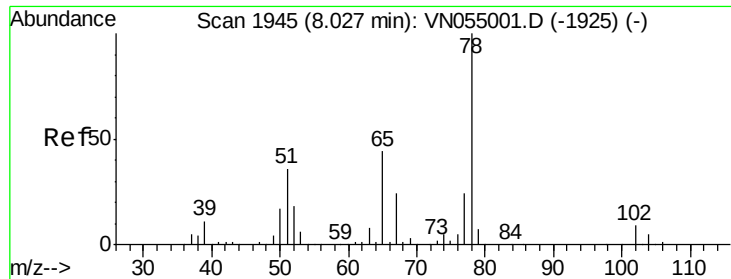
MMDadoda
4/16/2019 1:58:09 PM



#32
1,1,1-Trichloroethane
Concen: 46.497 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	47.9	38.3	57.5





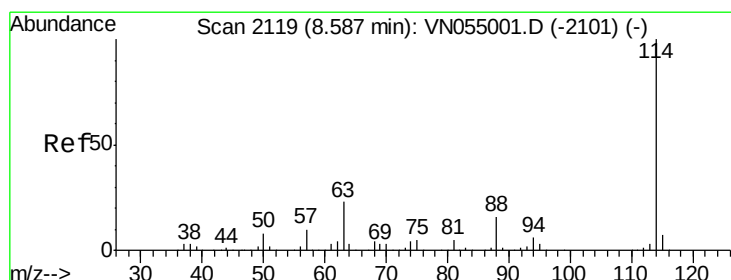
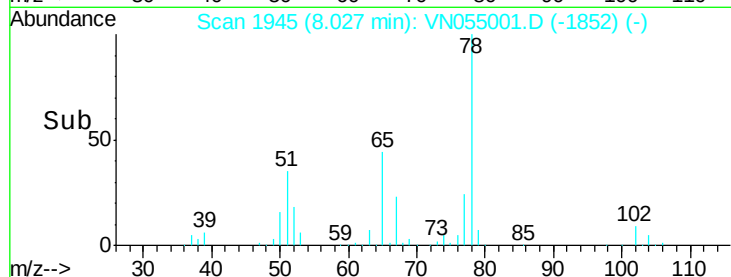
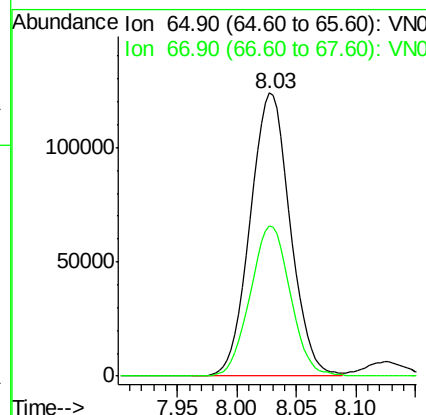
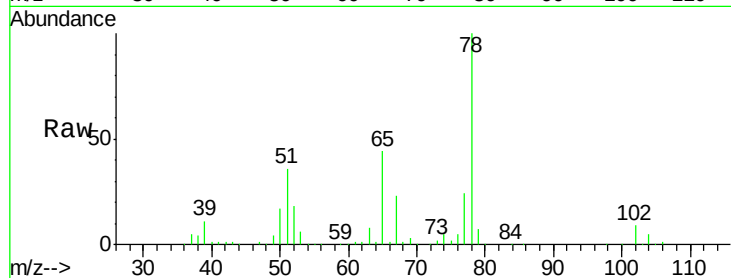
#33
 1,2-Dichloroethane-d4
 Concen: 50.663 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	288800		
67	53.2	0.0	106.4	

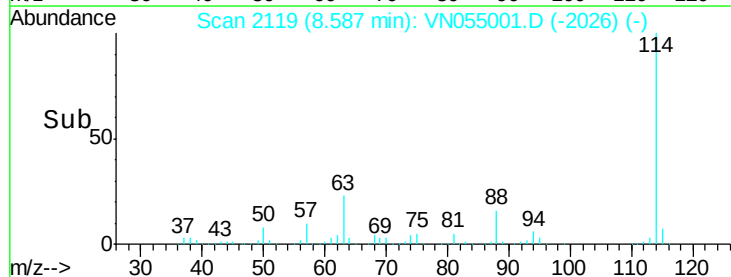
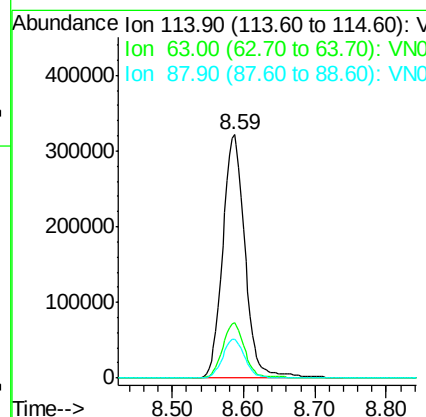
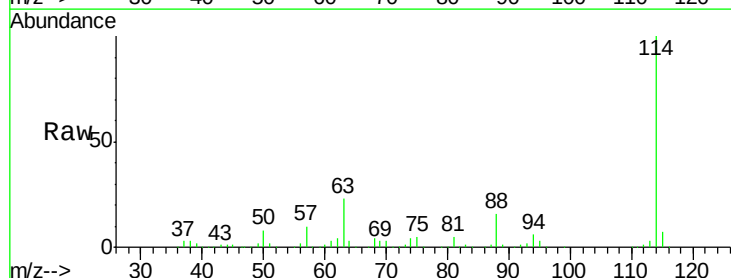
Manual Integrations
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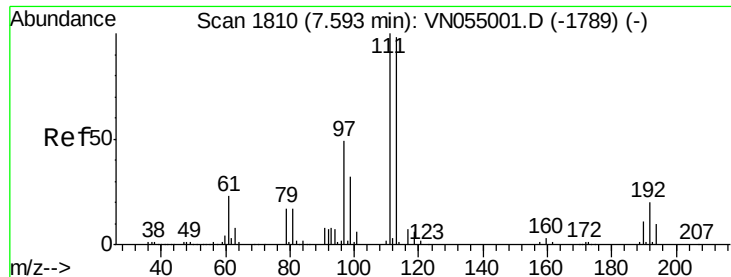
MMDadoda
 4/16/2019 1:58:09 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	698427		
63	22.6	0.0	45.2	
88	15.9	0.0	31.8	





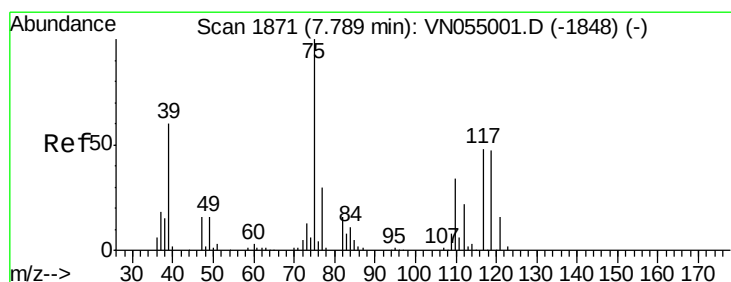
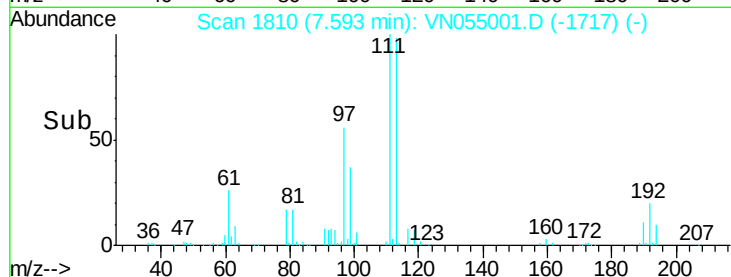
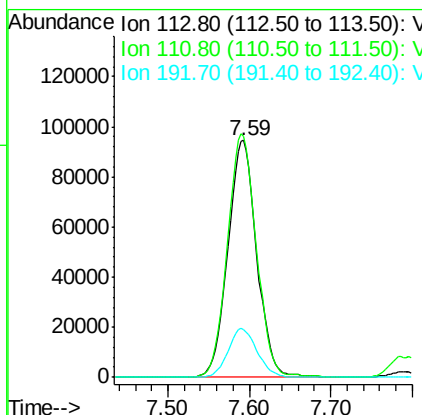
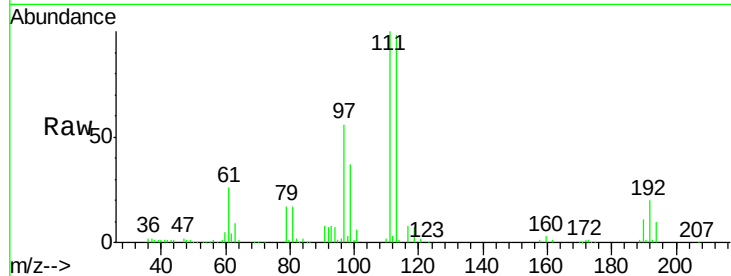
#35
 Dibromofluoromethane
 Concen: 51.479 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.1	123.1
192	20.6	16.5	24.7

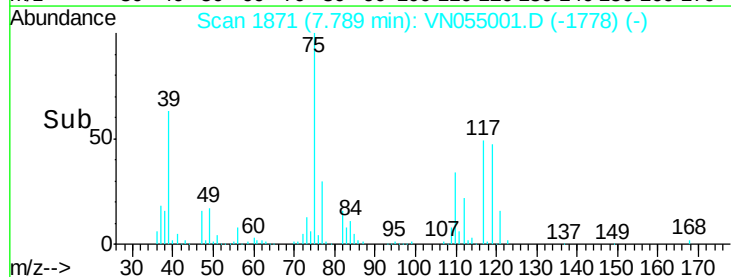
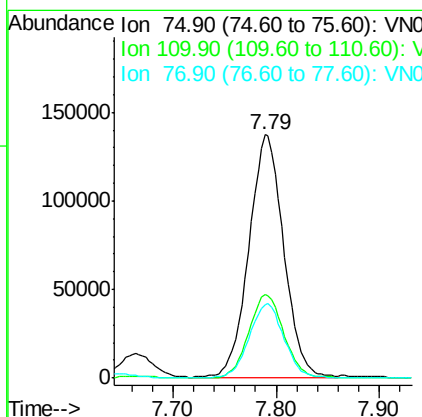
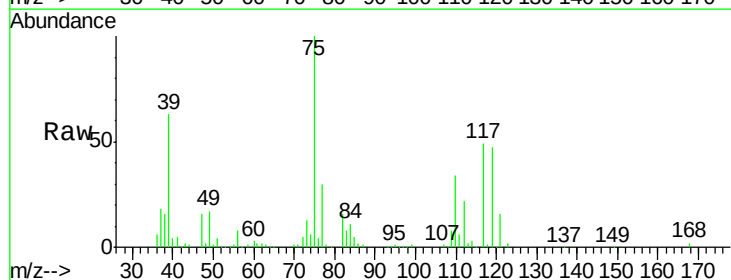
Manual Integrations
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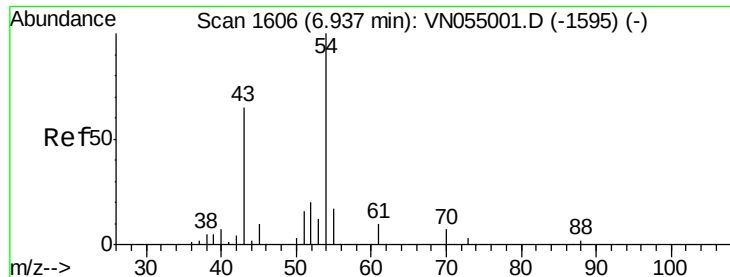
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#36
 1,1-Dichloropropene
 Concen: 46.762 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.5	52.5
77	31.1	24.9	37.3





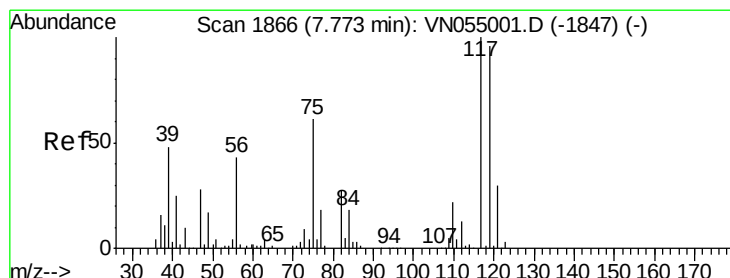
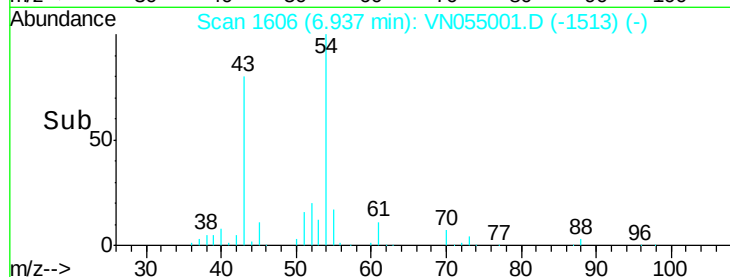
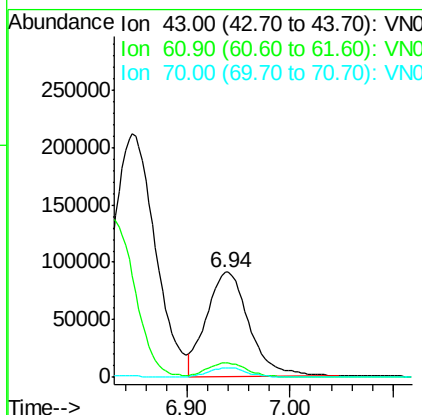
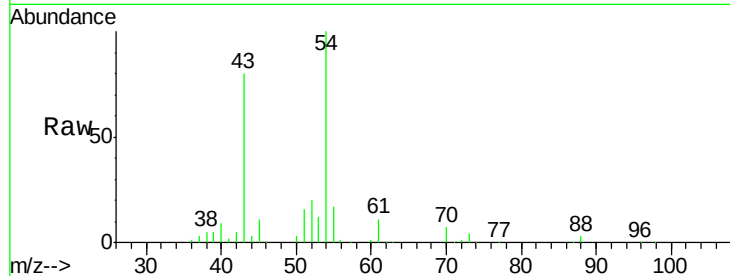
#37
Ethyl Acetate
Concen: 53.889 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.0	15.0
70	8.9	7.1	10.7

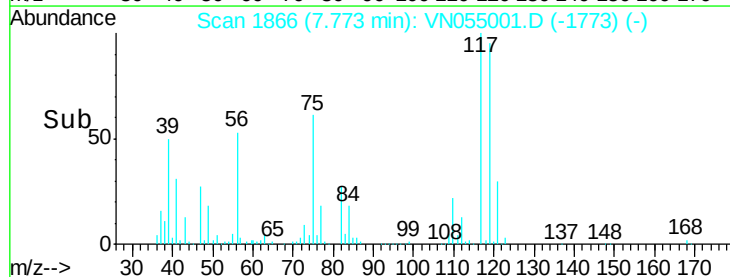
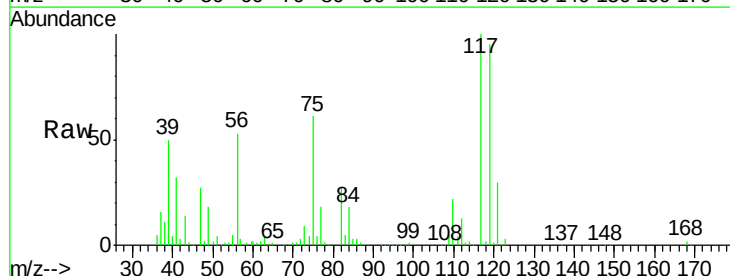
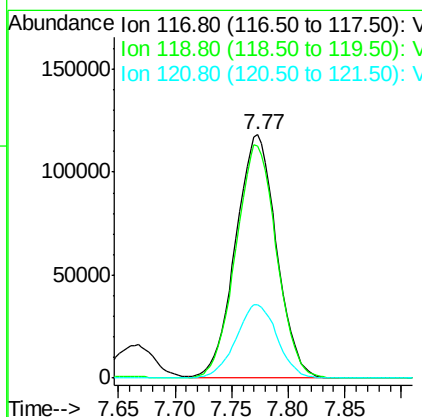
Manual Integrations
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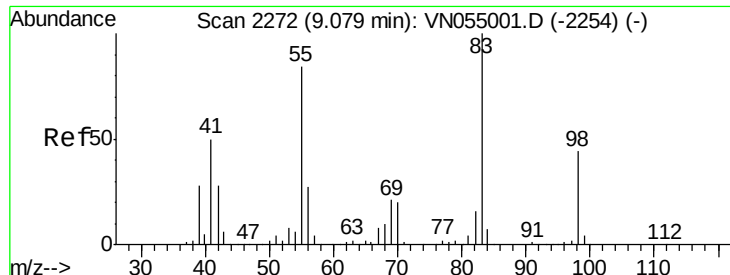
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#38
Carbon Tetrachloride
Concen: 45.042 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.3	114.5
121	29.9	23.9	35.9





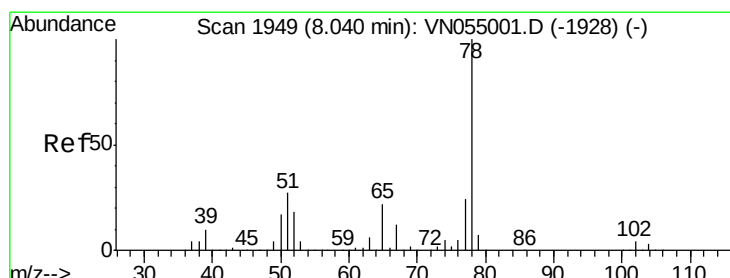
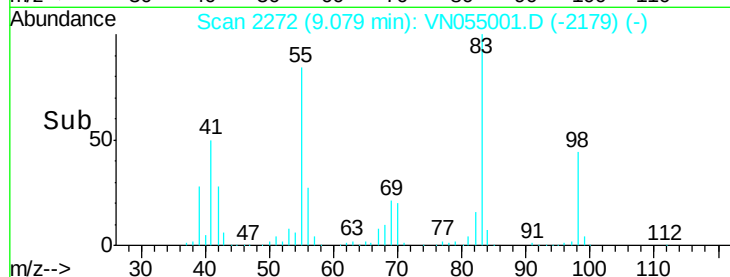
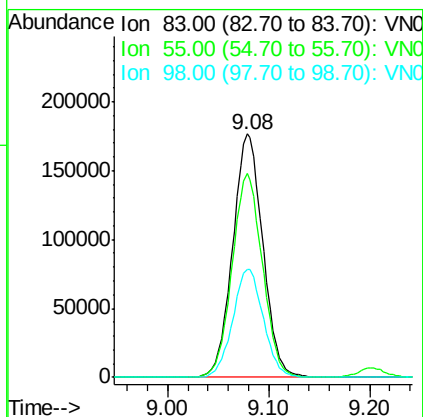
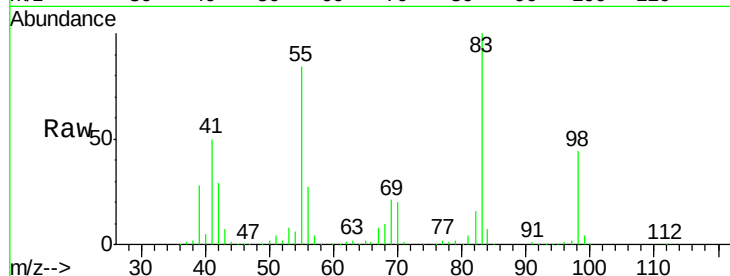
#39
Methylvlcyclohexane
Concen: 48.704 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.7	67.0	100.4
98	44.5	35.6	53.4

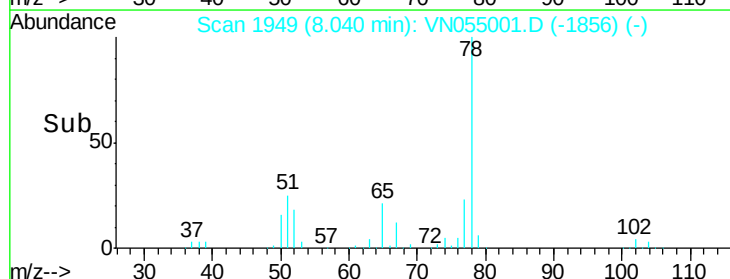
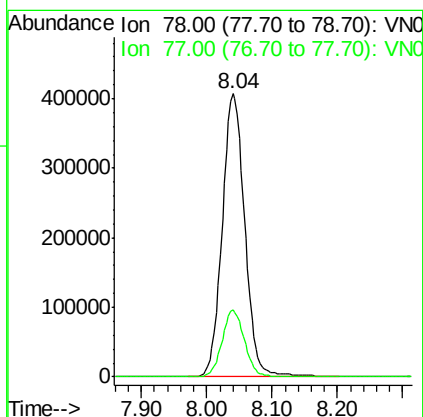
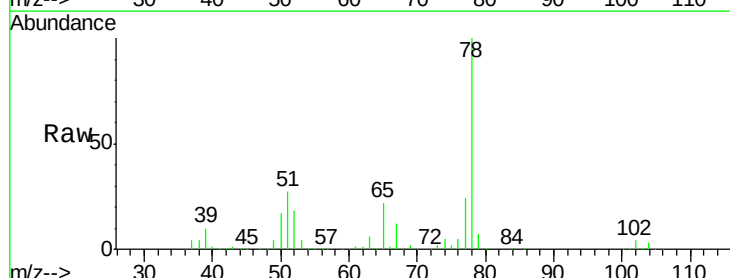
Manual Integrations
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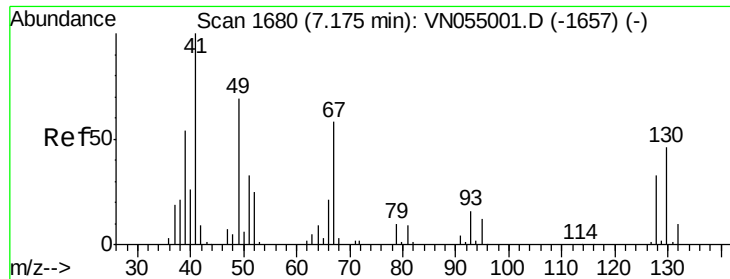
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#40
Benzene
Concen: 49.406 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





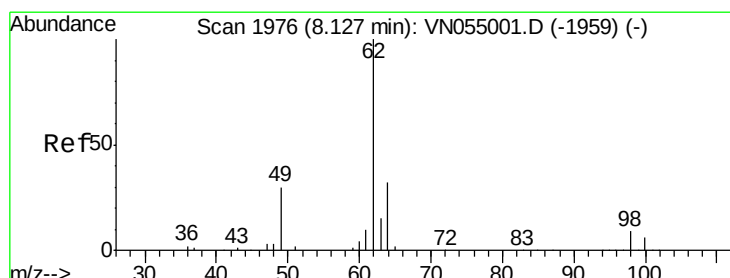
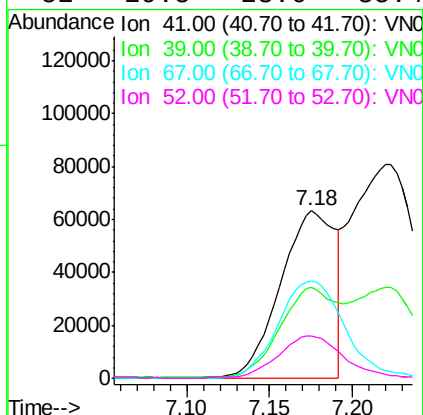
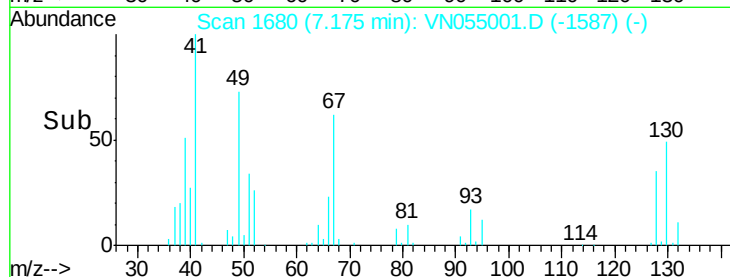
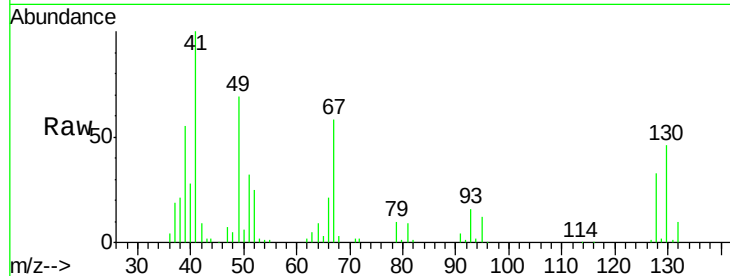
#41
Methacrylonitrile
Concen: 52.785 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.0	45.6	68.4	
67	71.3	57.0	85.6	
52	29.5	23.6	35.4	

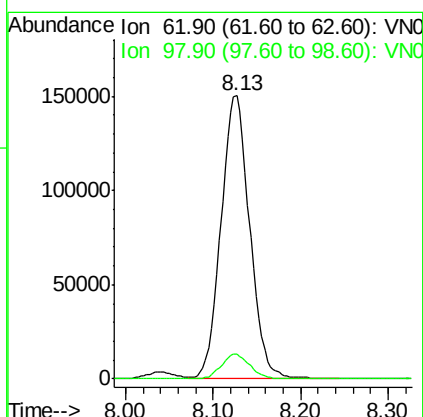
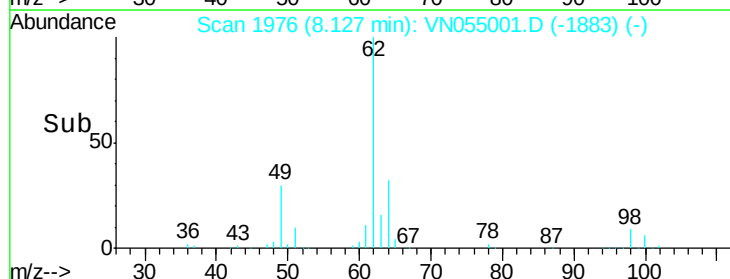
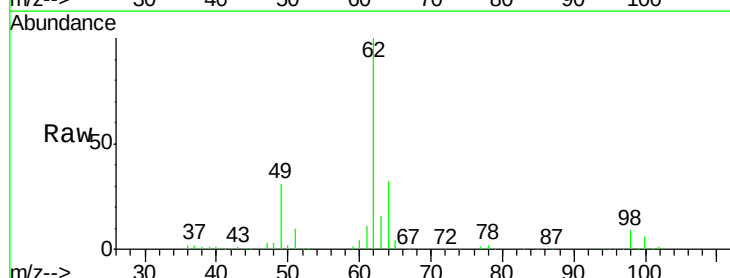
Manual Integrations
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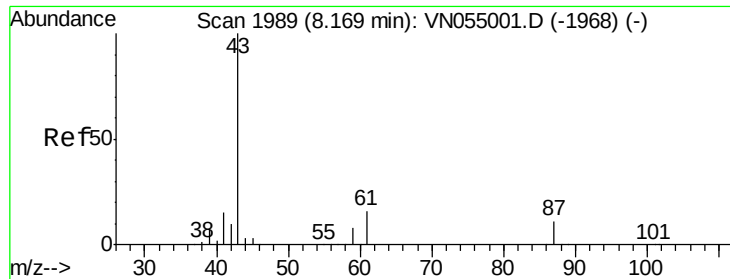
MMDadoda
4/16/2019 1:58:09 PM



#42
1,2-Dichloroethane
Concen: 49.038 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	17.4	





#43

Isopropyl Acetate

Concen: 53.976 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

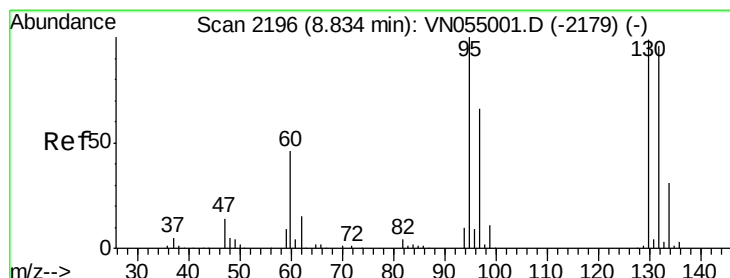
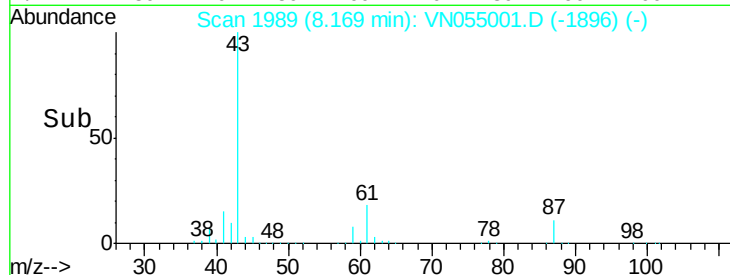
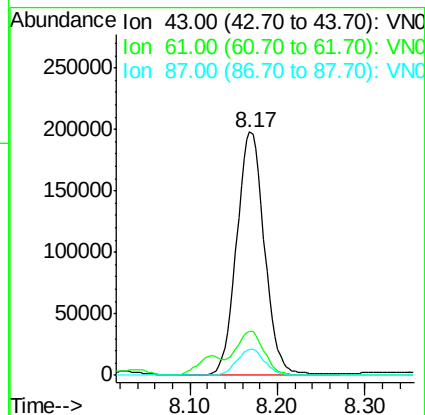
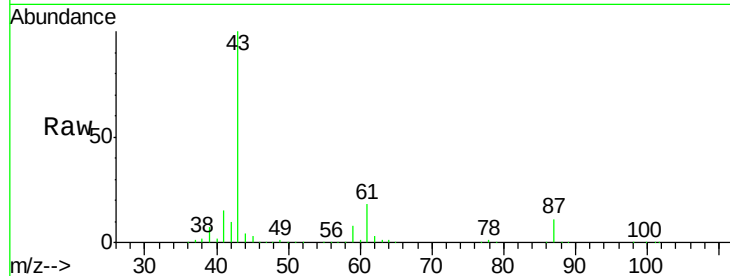
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	435442
Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.3	21.5
87	10.8	8.6	13.0

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#44

Trichloroethene

Concen: 49.188 ug/l

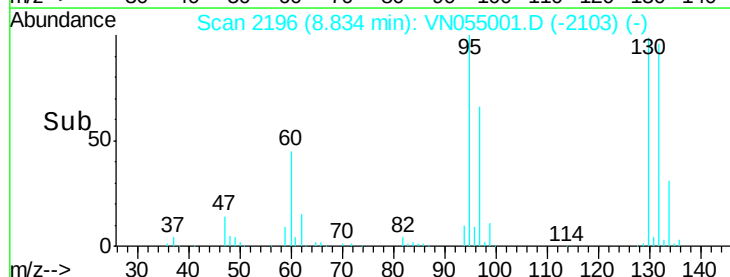
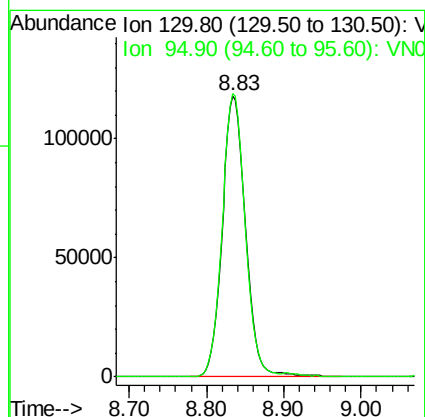
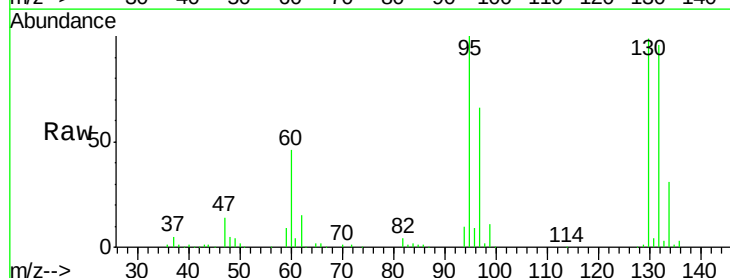
RT: 8.83 min Scan# 2196

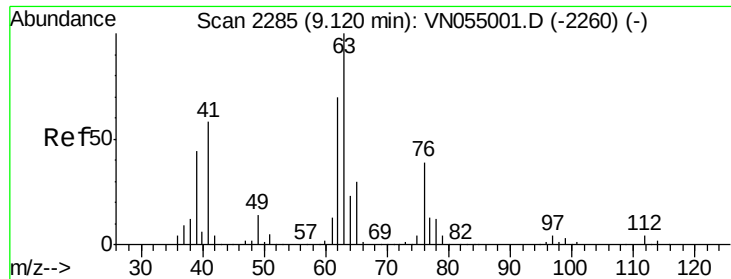
Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Tgt Ion:	130	Resp:	248533
Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	201.6





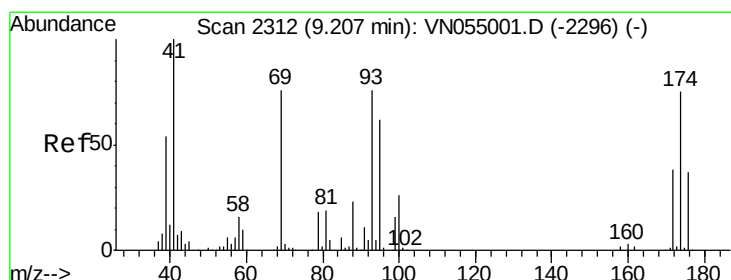
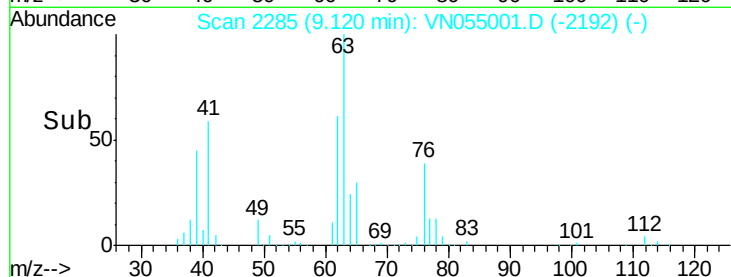
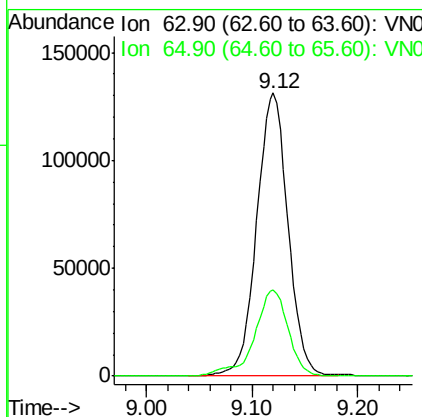
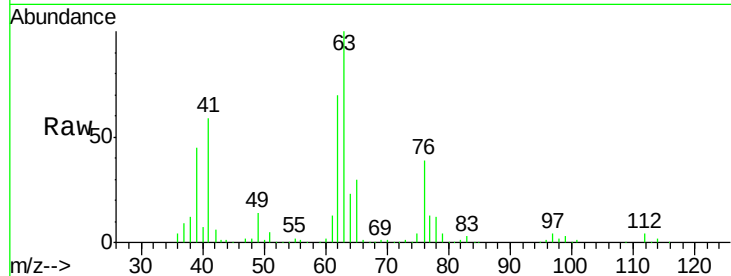
#45
 1,2-Dichloropropane
 Concen: 49.253 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion: 63 Resp: 270998
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.4 36.6

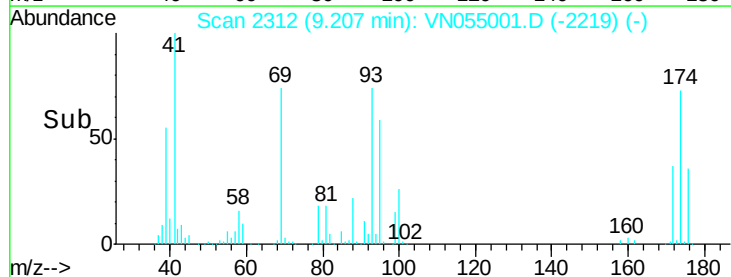
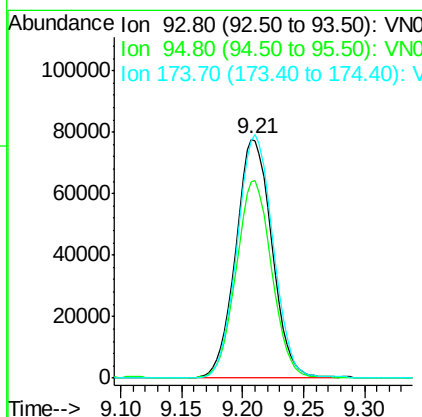
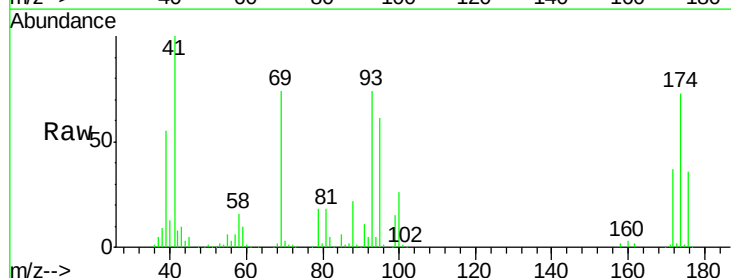
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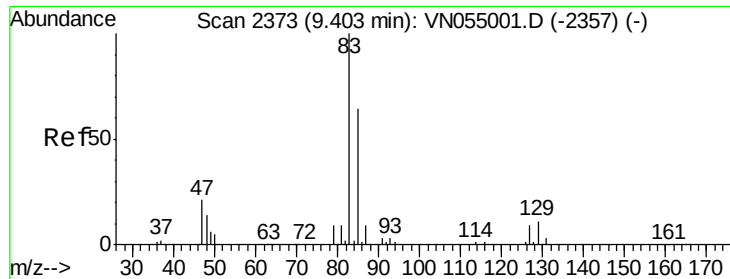
MMDadoda
 4/16/2019 1:58:09 PM



#46
 Dibromomethane
 Concen: 50.743 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Tgt Ion: 93 Resp: 159641
 Ion Ratio Lower Upper
 93 100
 95 81.3 65.0 97.6
 174 101.3 81.0 121.6





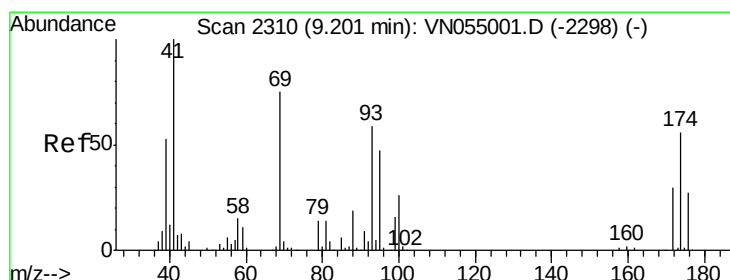
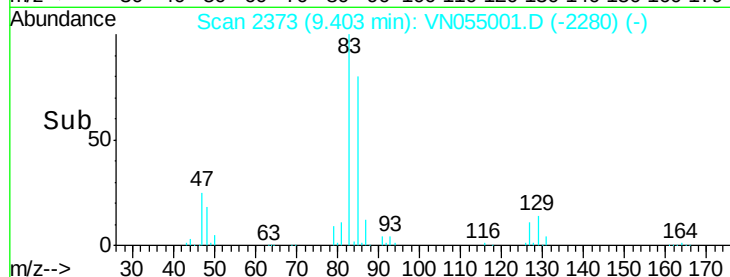
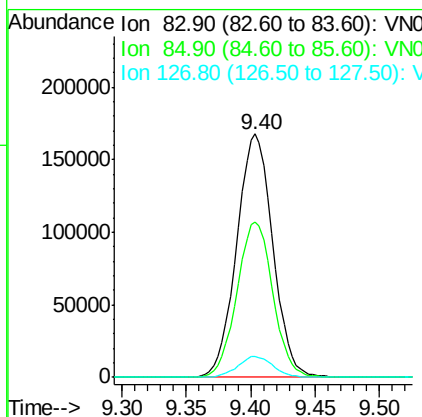
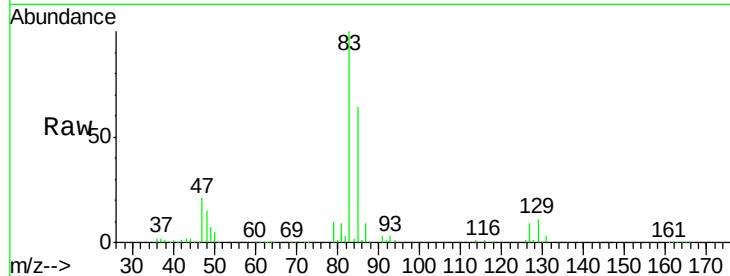
#47
Bromodichloromethane
Concen: 49.875 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	327066		
85	64.0		51.2	76.8
127	8.5		6.8	10.2

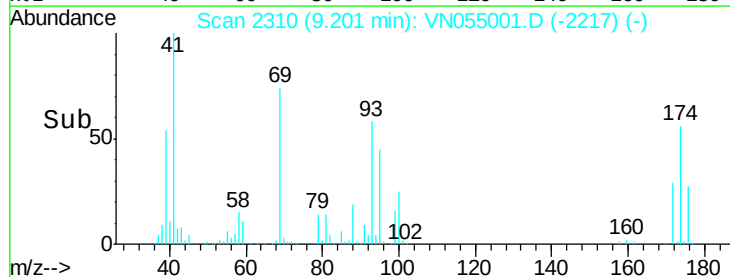
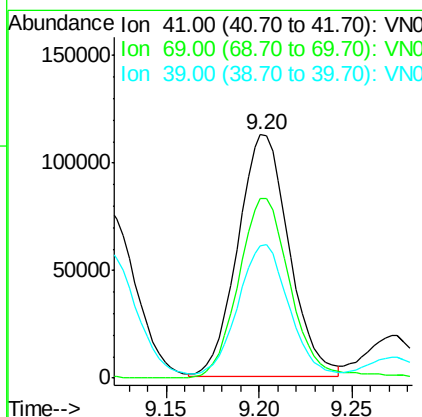
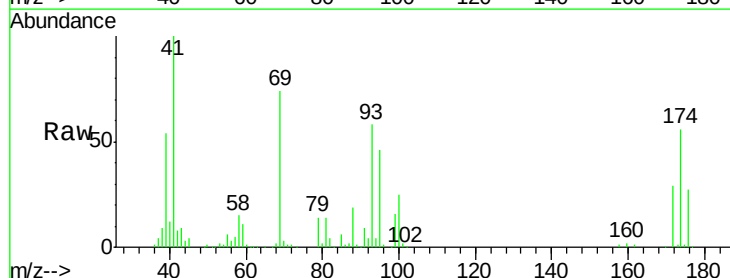
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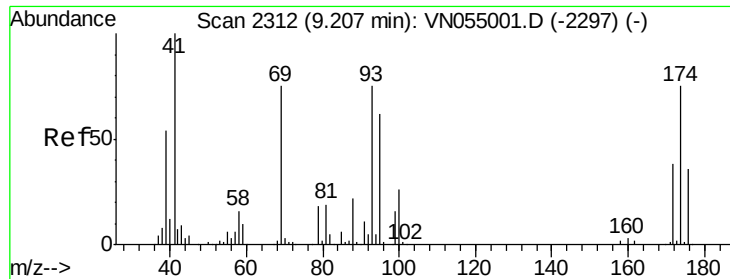
MMDadoda
4/16/2019 1:58:09 PM



#48
Methyl methacrylate
Concen: 53.234 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	215915		
69	75.6		60.5	90.7
39	54.9		43.9	65.9





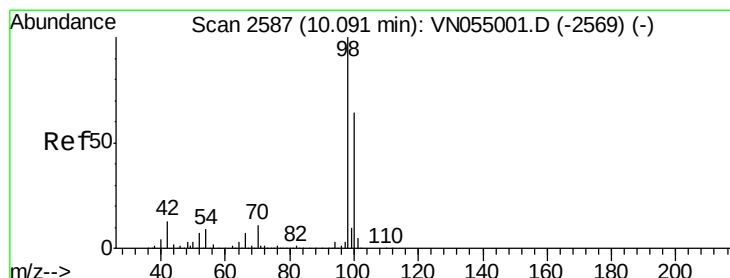
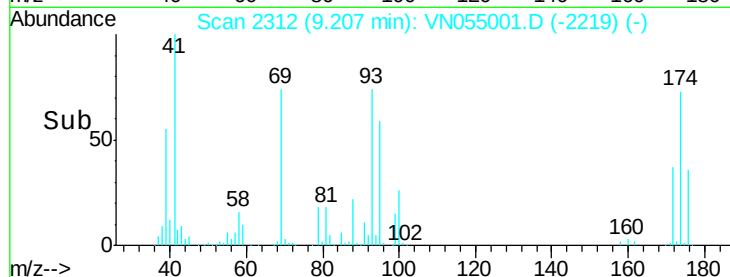
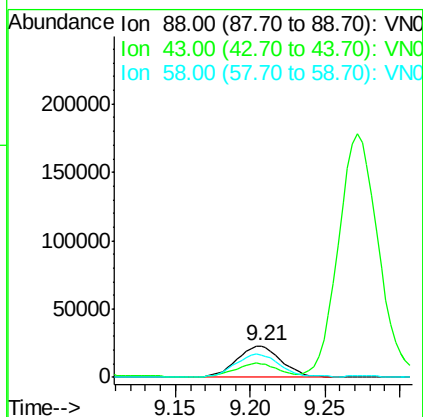
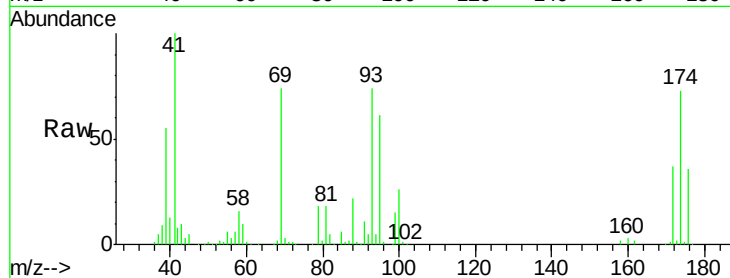
#49
1,4-Dioxane
Concen: 1143.887 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.8	31.8	47.8
58	77.0	61.6	92.4

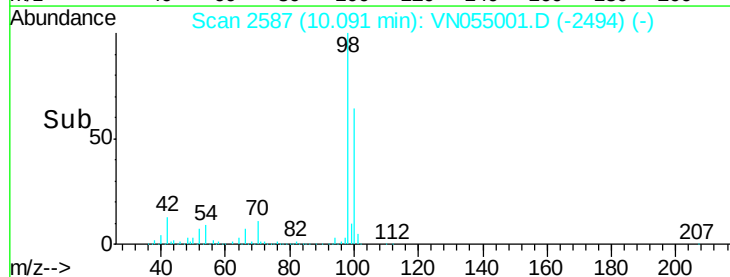
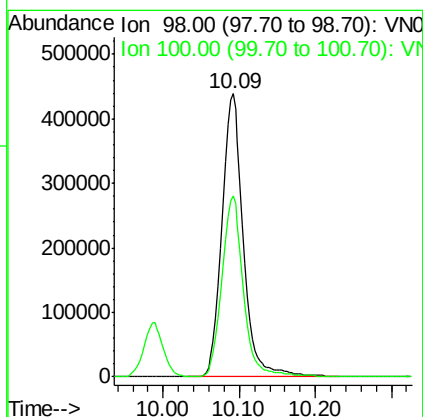
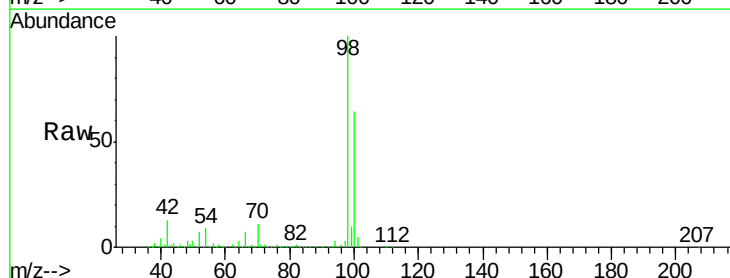
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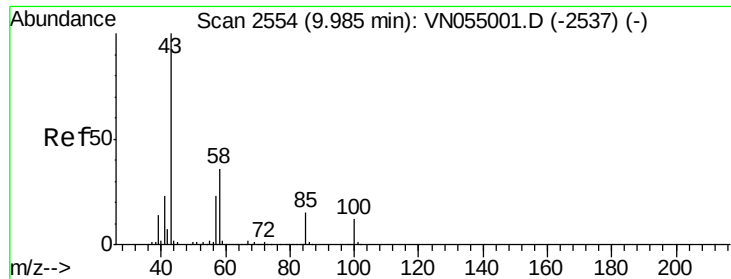
MMDadoda
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#50
Toluene-d8
Concen: 50.136 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 278.362 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1259676

Ion Ratio Lower Upper

43 100

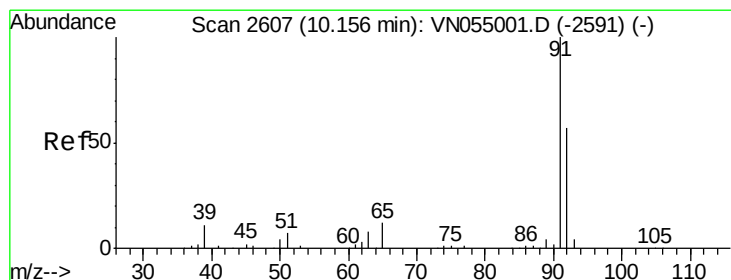
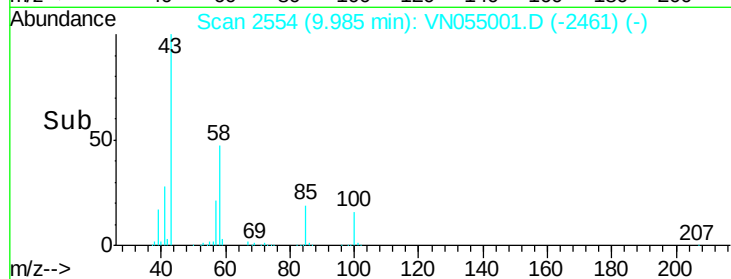
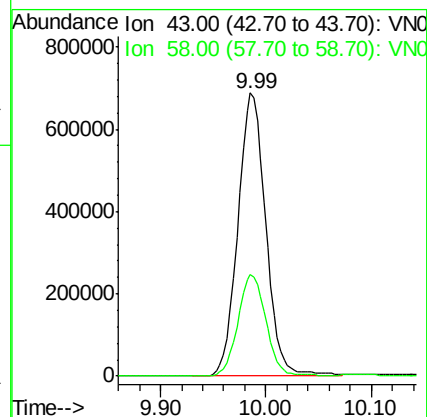
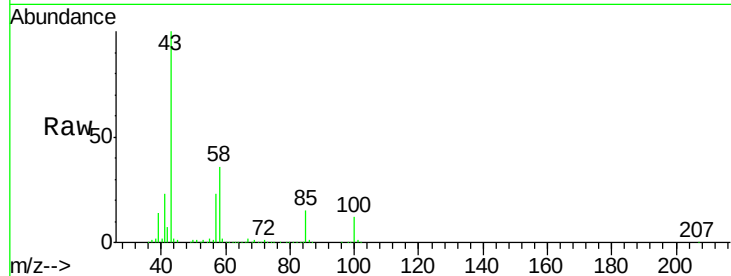
58 36.2 29.0 43.4

Manual Integrations

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#52

Toluene

Concen: 50.162 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055001.D

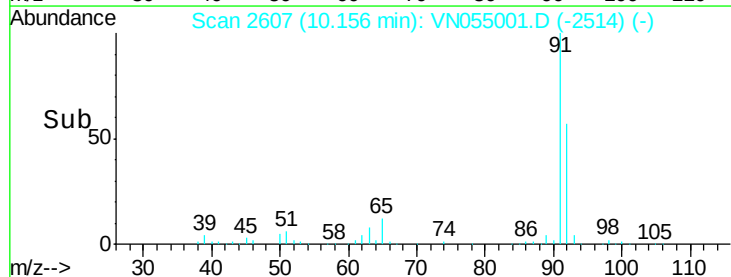
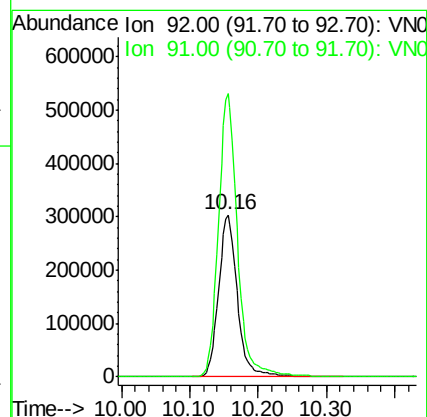
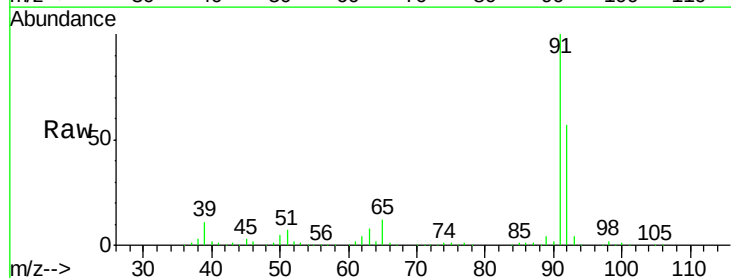
Acq: 12 Apr 2019 16:05

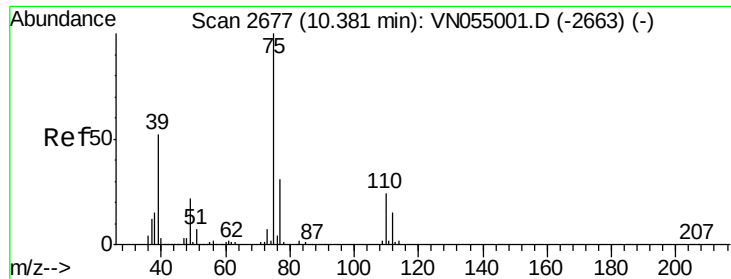
Tgt Ion: 92 Resp: 582758

Ion Ratio Lower Upper

92 100

91 176.0 140.8 211.2





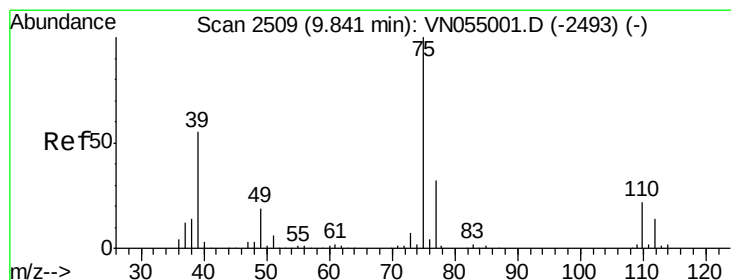
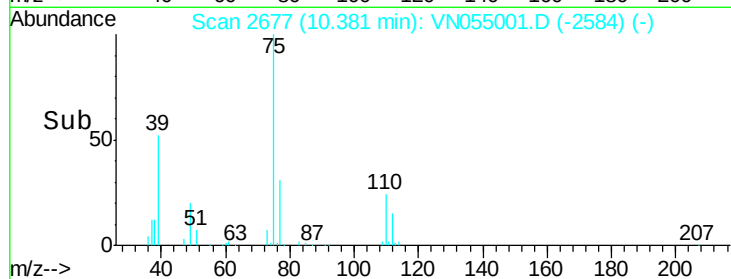
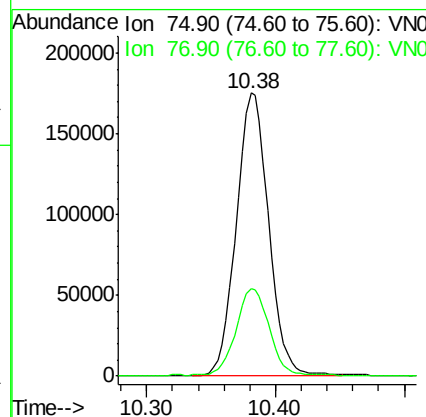
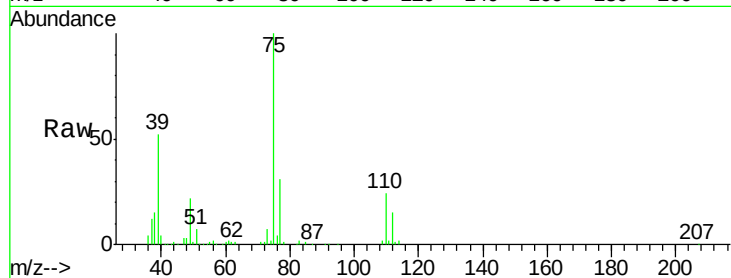
#53
t-1,3-Dichloropropene
Concen: 50.821 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.6	37.0

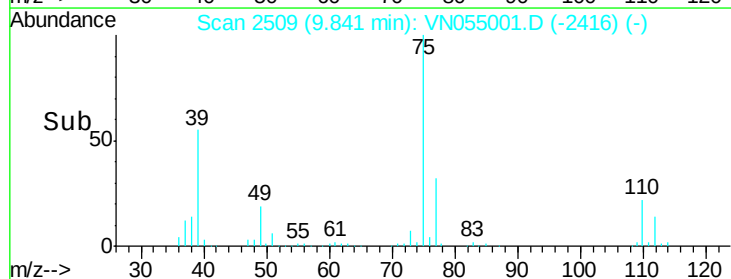
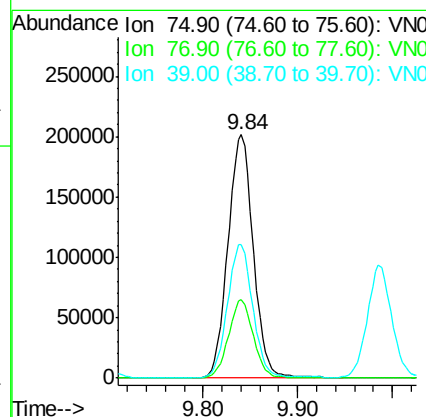
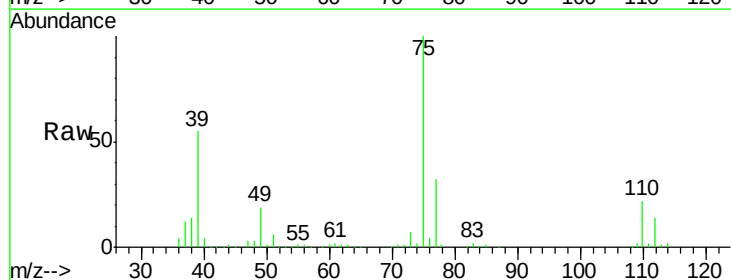
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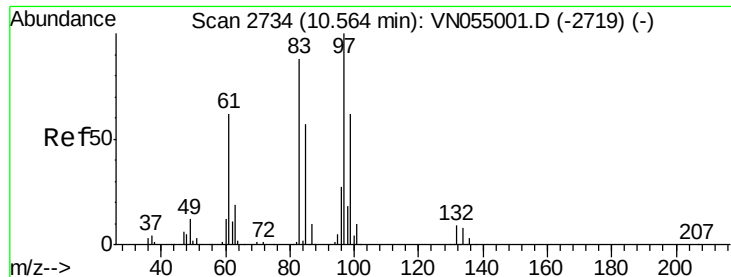
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#54
cis-1,3-Dichloropropene
Concen: 51.089 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.8	38.6
39	54.8	43.8	65.8





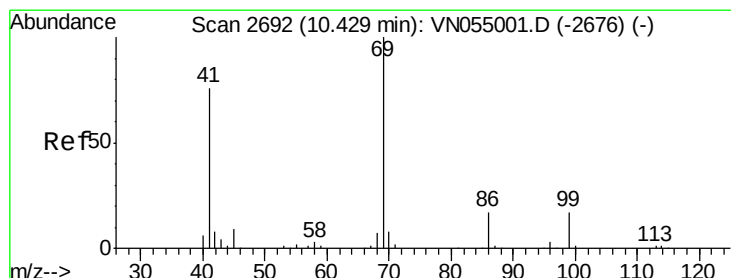
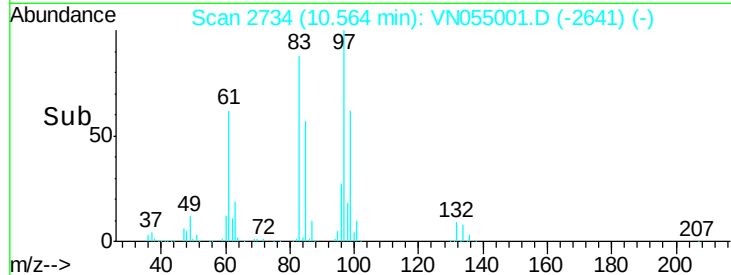
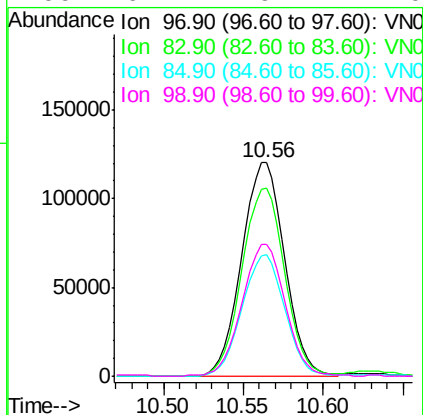
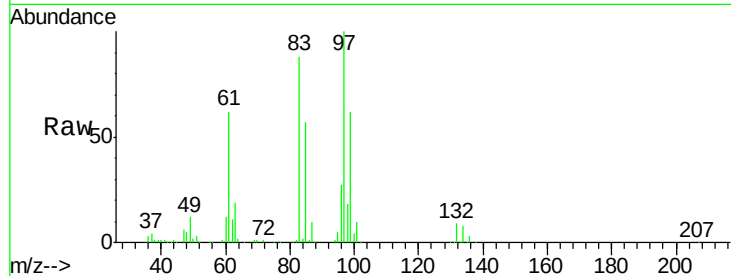
#55
 1,1,2-Trichloroethane
 Concen: 51.915 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	220790		
83	88.1	70.5	105.7	
85	56.9	45.5	68.3	
99	61.7	49.4	74.0	

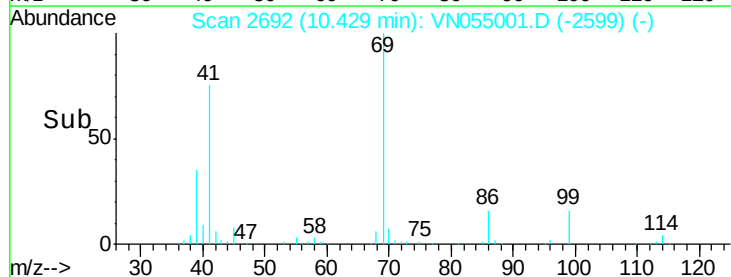
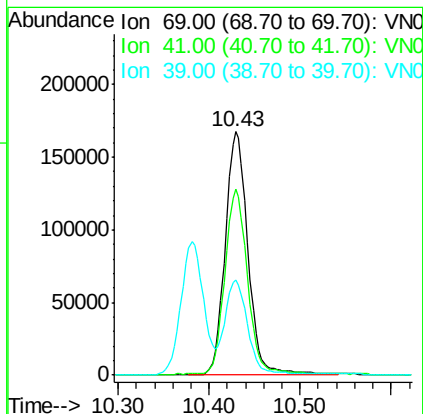
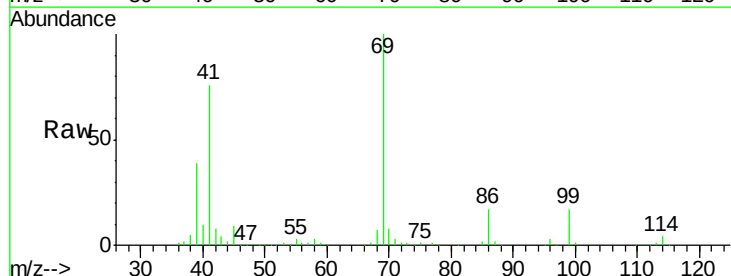
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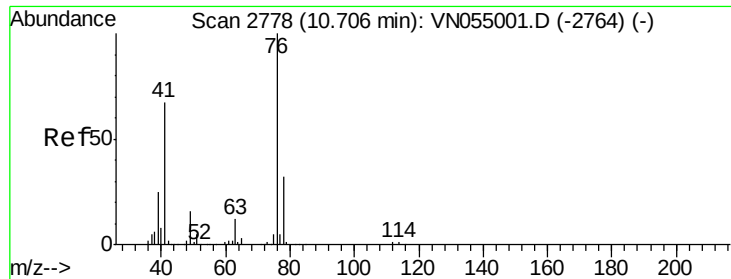
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#56
 Ethyl methacrylate
 Concen: 52.709 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	291945		
41	76.7	61.4	92.0	
39	38.5	30.8	46.2	





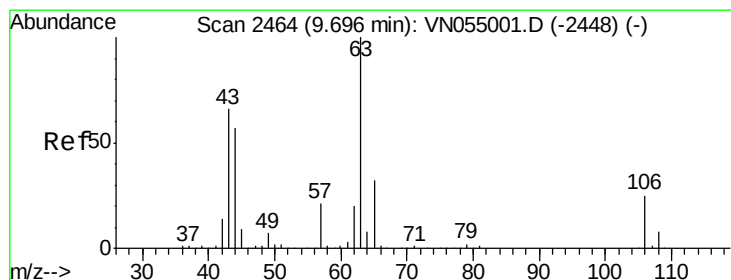
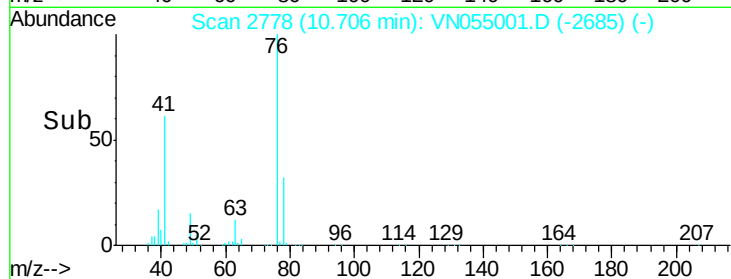
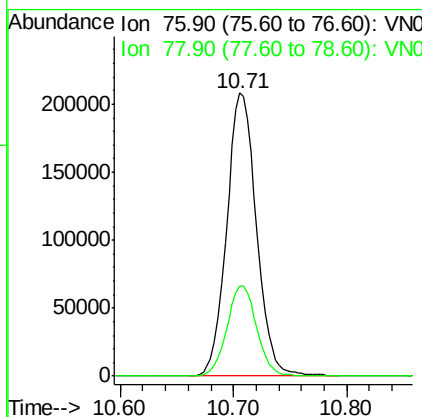
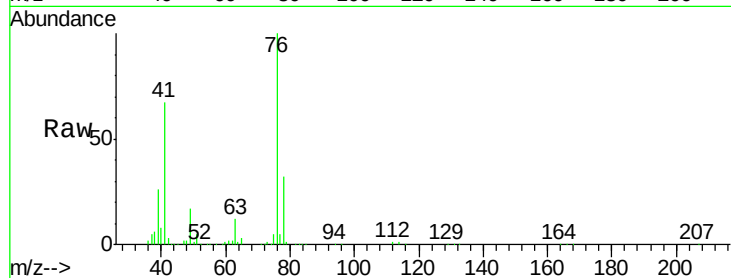
#57
 1,3-Dichloropropane
 Concen: 51.378 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.6	38.4

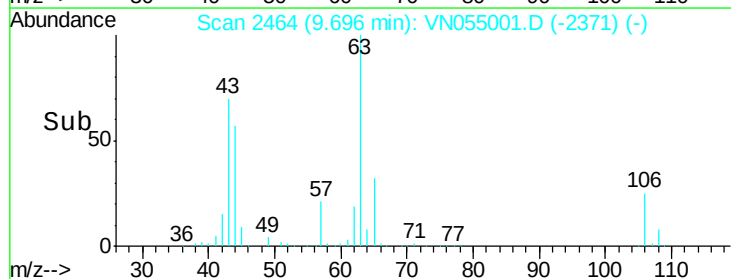
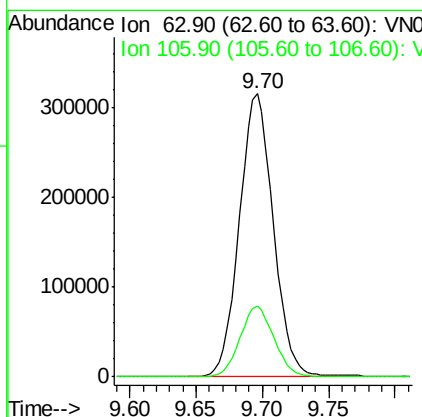
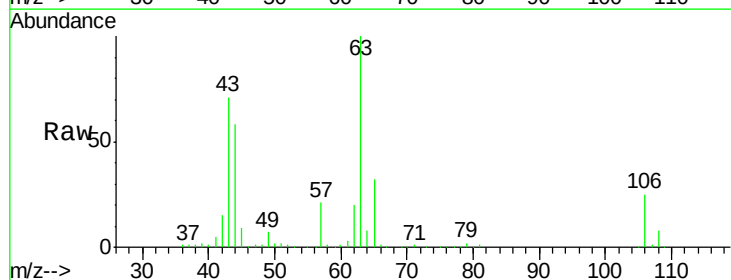
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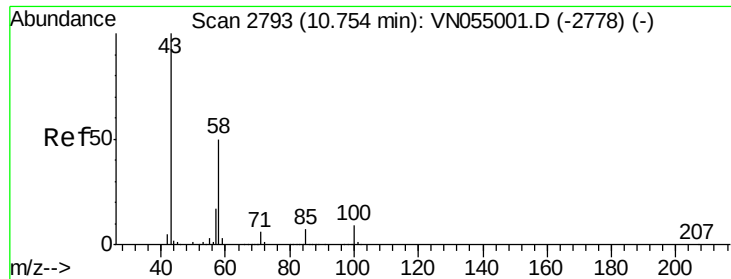
MMDadoda
 4/16/2019 1:58:09 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 256.931 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.0	20.0	30.0





#59

2-Hexanone

Concen: 280.872 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 790516

Ion Ratio Lower Upper

43 100

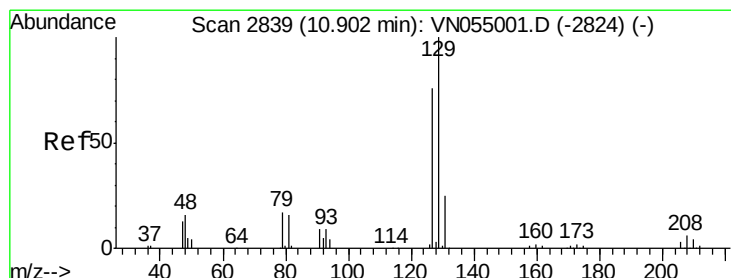
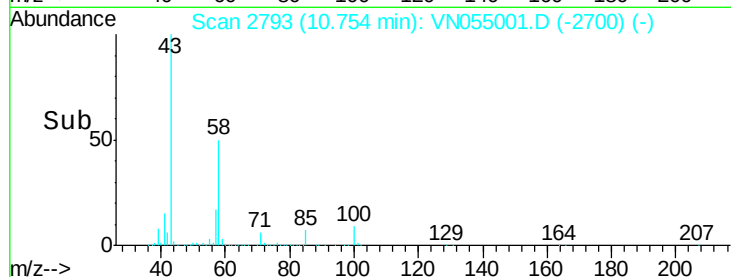
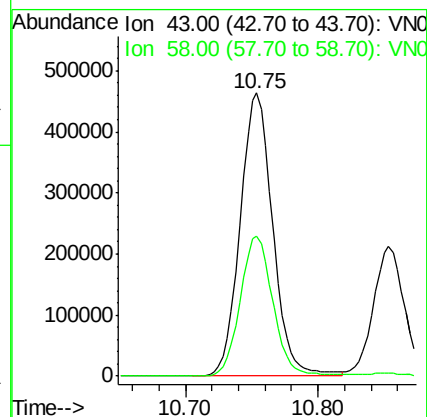
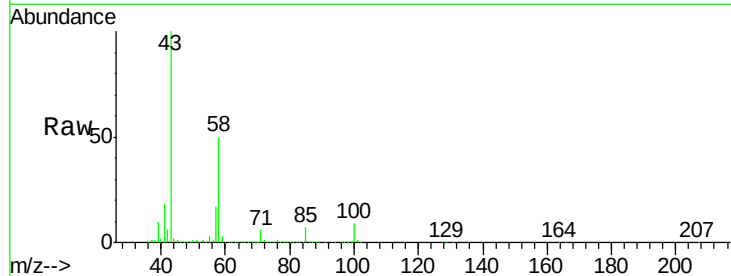
58 50.1 25.1 75.2

Manual Integrations

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#60

Dibromochloromethane

Concen: 51.666 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055001.D

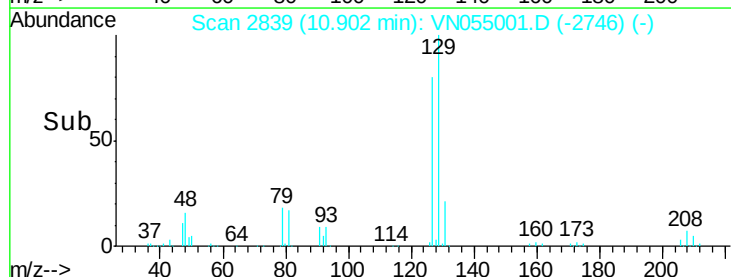
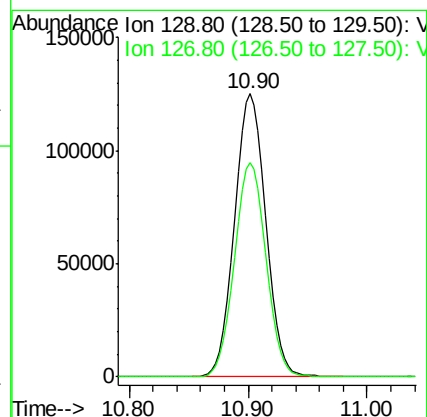
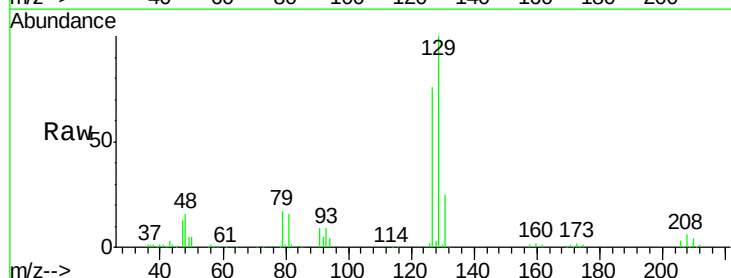
Acq: 12 Apr 2019 16:05

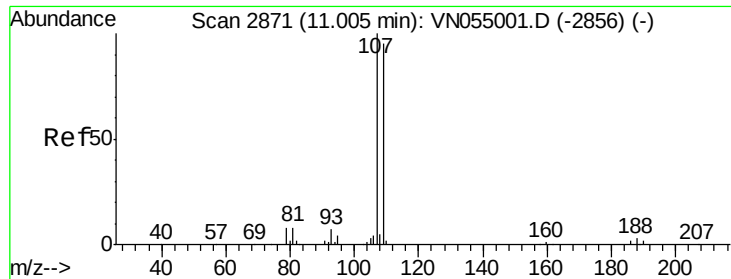
Tgt Ion: 129 Resp: 228604

Ion Ratio Lower Upper

129 100

127 76.4 38.2 114.6





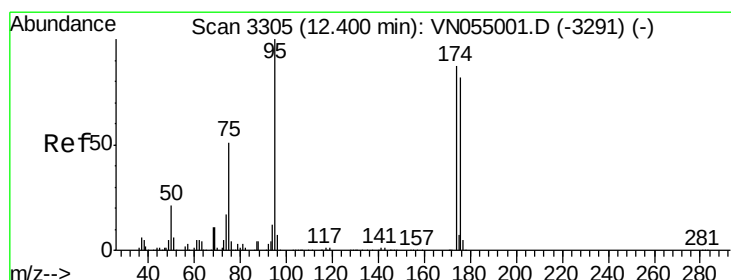
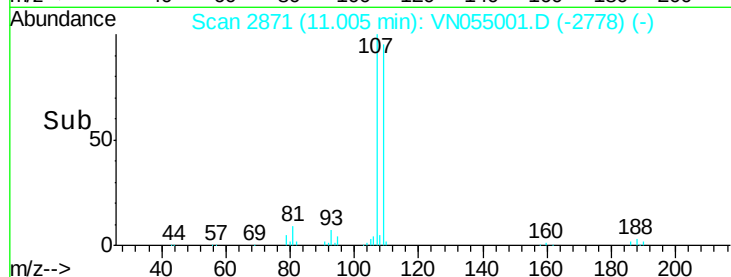
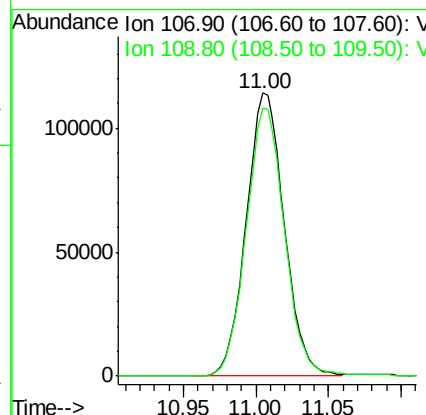
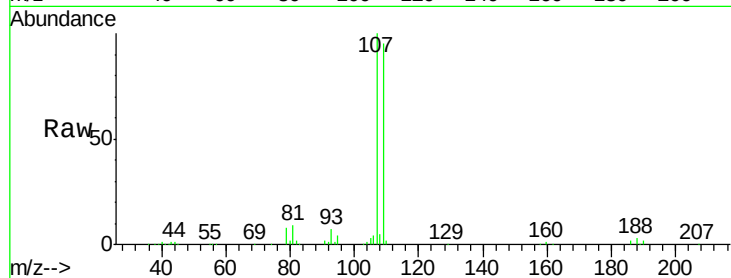
#61
 1,2-Dibromoethane
 Concen: 52.324 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	208655		
109	95.6	76.5	114.7	

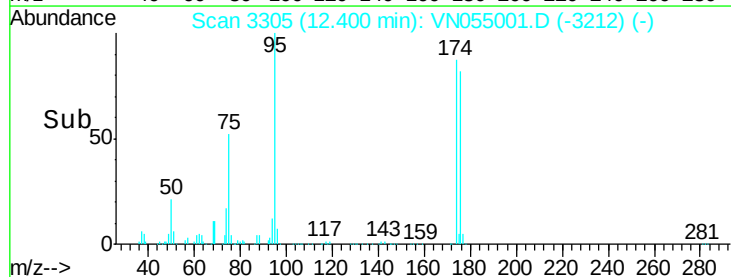
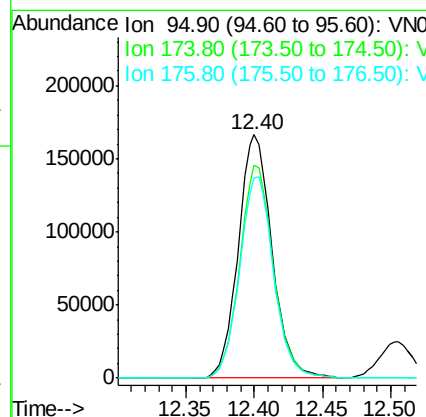
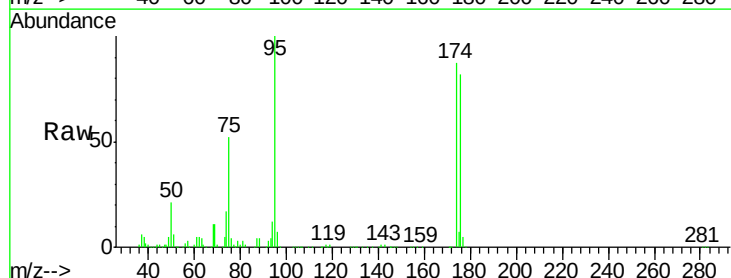
Manual Integrations
 APPROVED

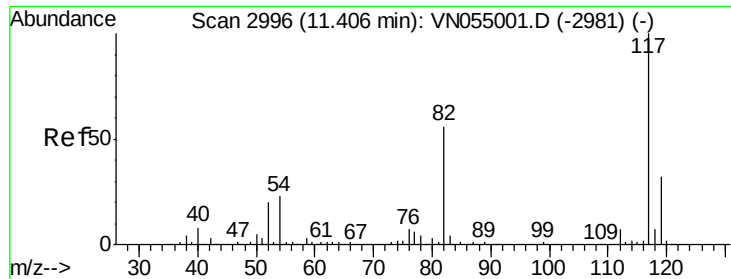
MMDadoda
 4/16/2019 1:58:09 PM



#62
 4-Bromofluorobenzene
 Concen: 49.998 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	285812		
174	87.2	0.0	174.4	
176	83.4	0.0	166.8	





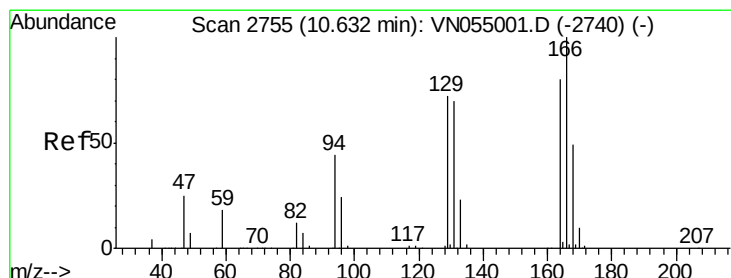
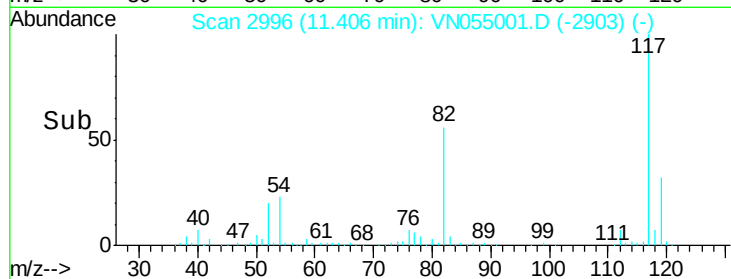
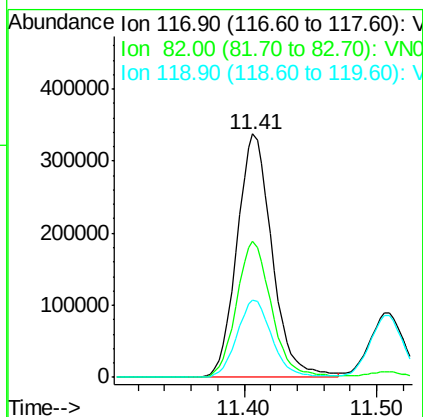
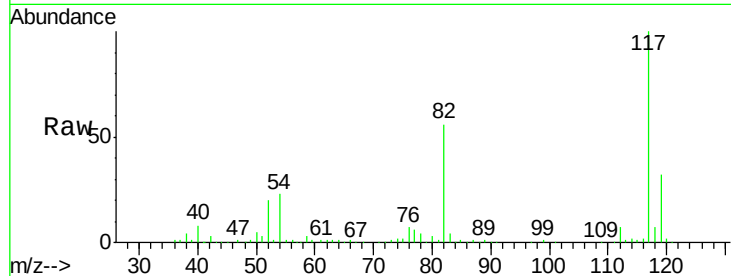
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.6	66.8
119	31.9	25.5	38.3

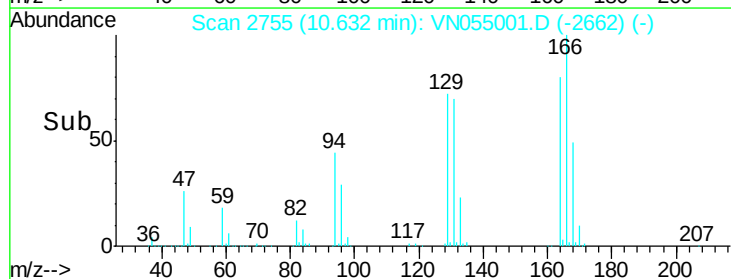
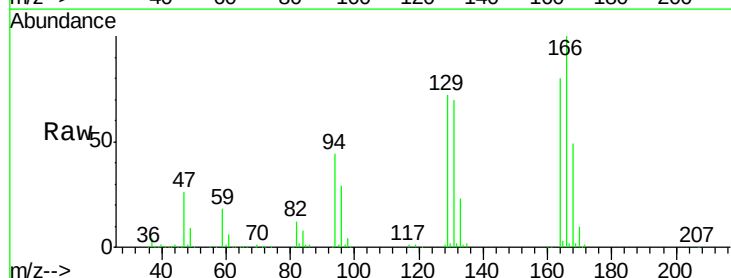
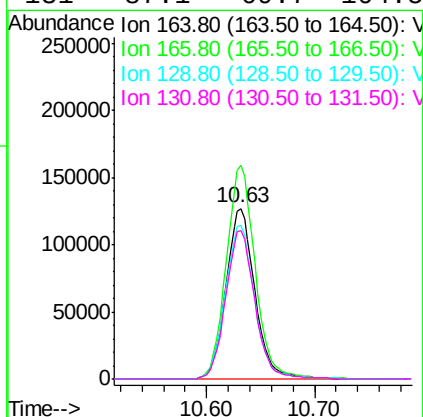
Manual Integrations
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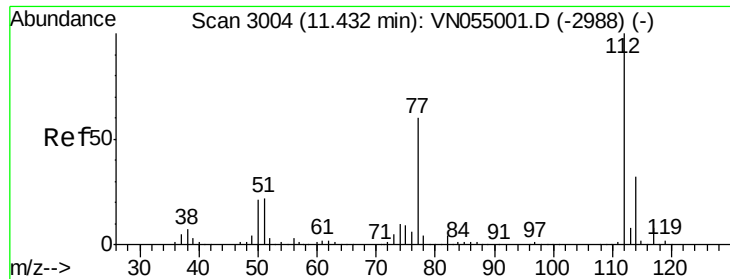
MMDadoda
4/16/2019 1:58:09 PM



#64
Tetrachloroethene
Concen: 47.578 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	100.0	150.0
129	90.0	72.0	108.0
131	87.1	69.7	104.5





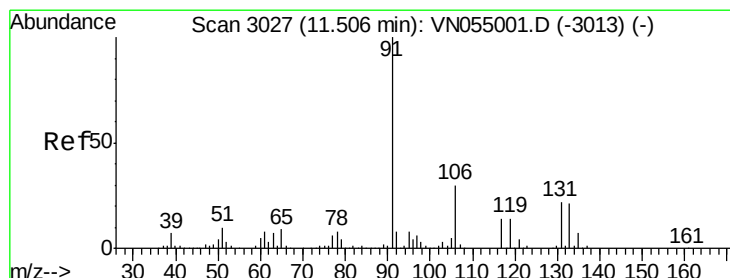
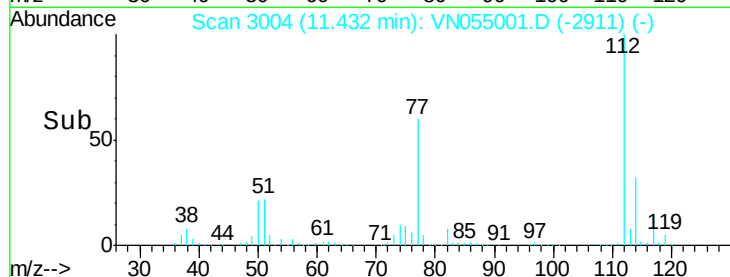
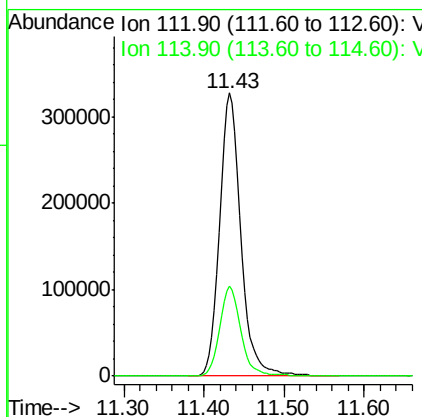
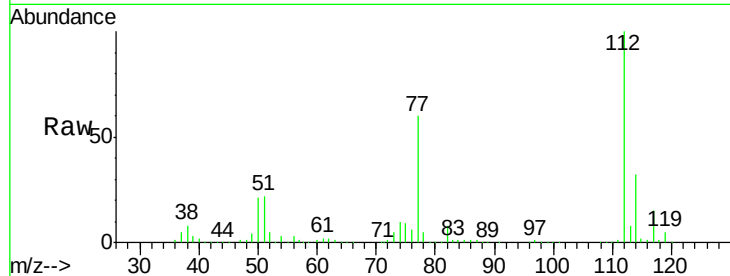
#65
Chlorobenzene
Concen: 48.224 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 604056
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9

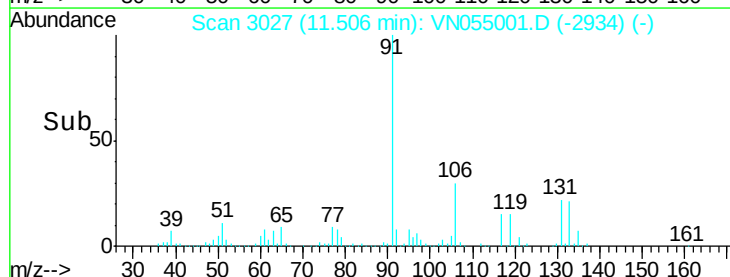
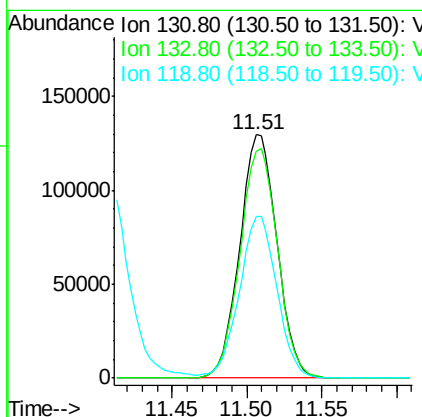
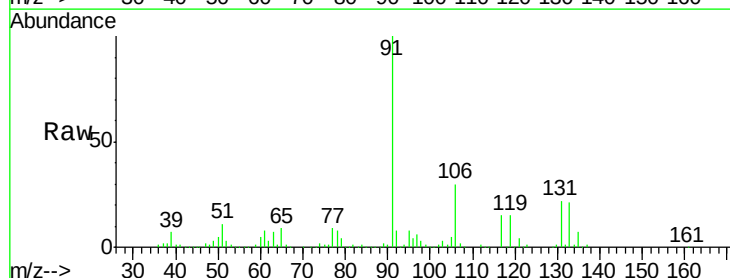
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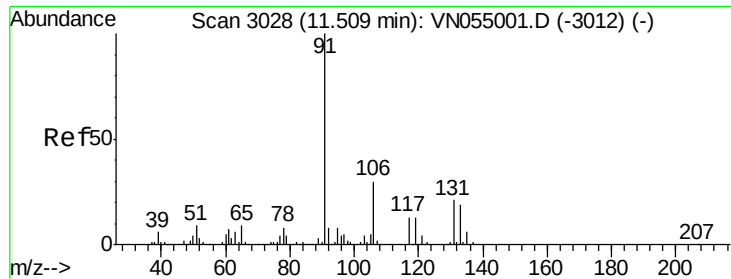
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.983 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion:131 Resp: 224680
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 67.1 33.6 100.6





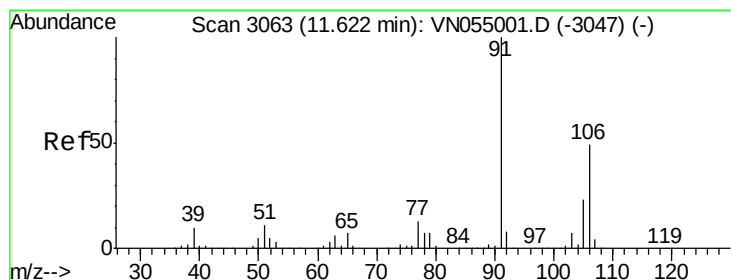
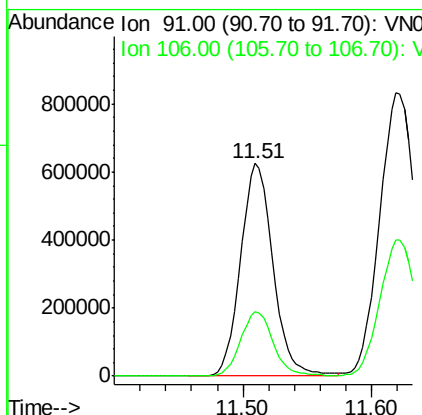
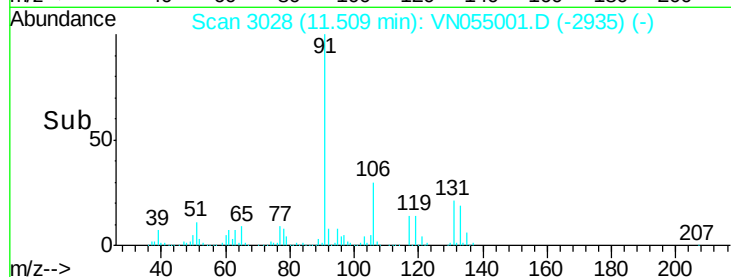
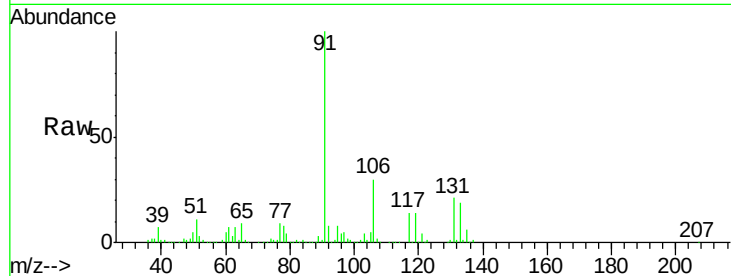
#67
Ethyl Benzene
Concen: 48.616 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1097354
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5

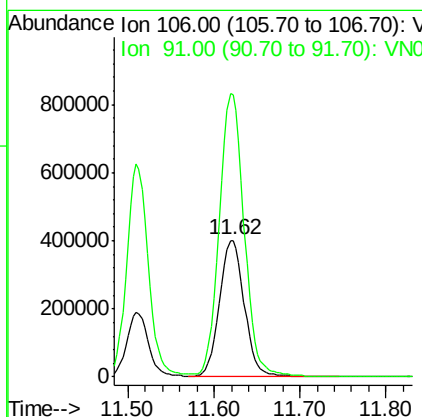
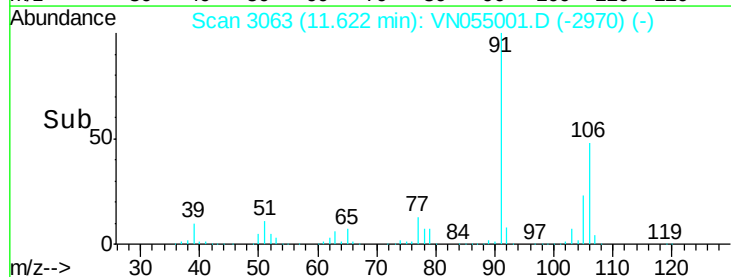
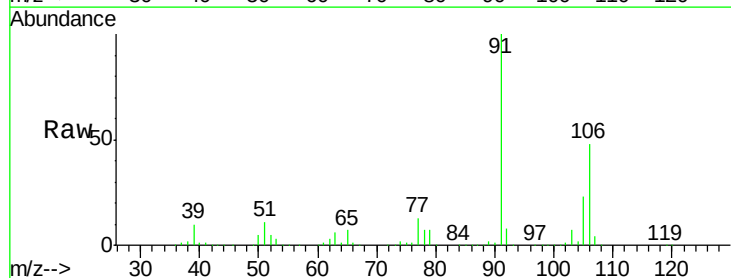
Manual Integrations
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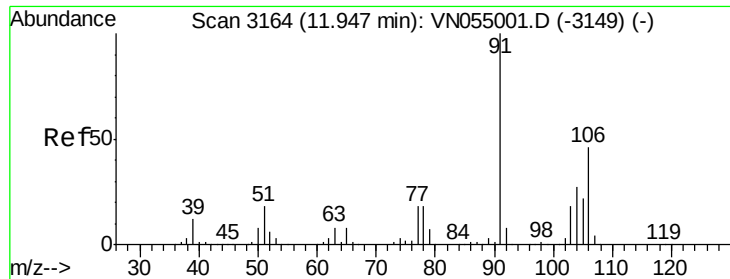
MMDadoda
4/16/2019 1:58:09 PM



#68
m/p-Xylenes
Concen: 98.194 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion: 106 Resp: 811026
Ion Ratio Lower Upper
106 100
91 207.4 165.9 248.9





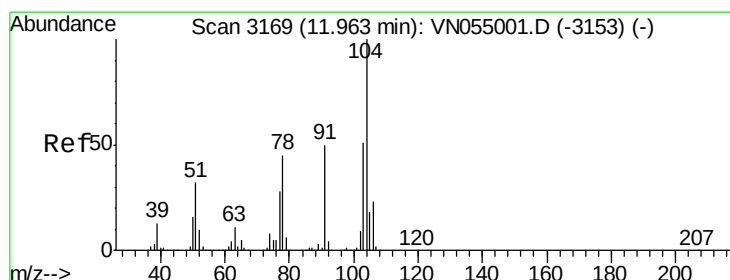
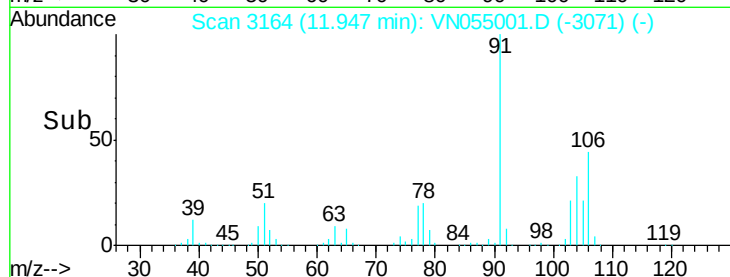
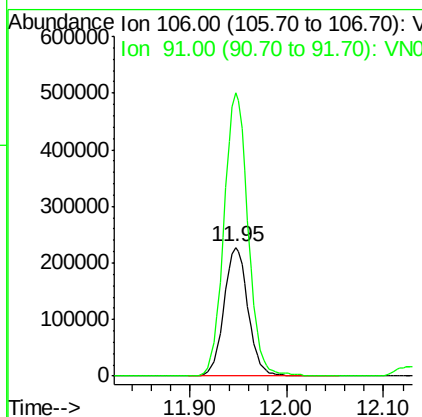
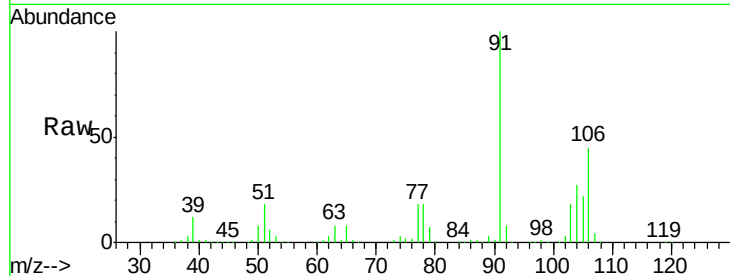
#69
o-Xylene
Concen: 48.815 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	219.9	109.9	329.8	

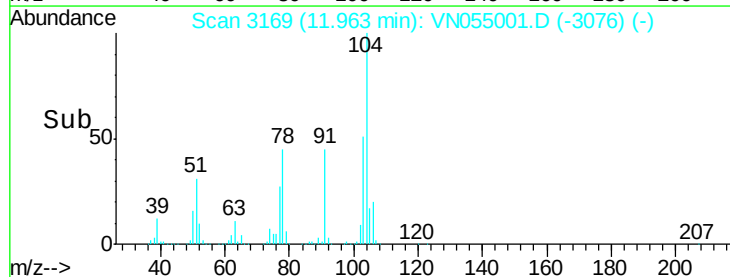
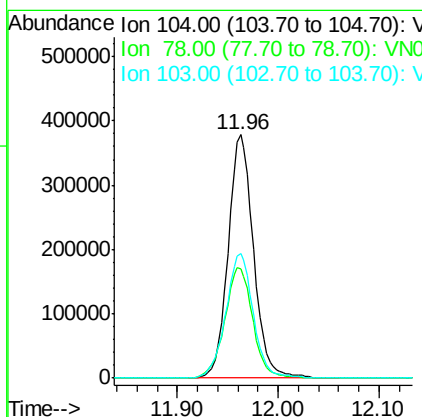
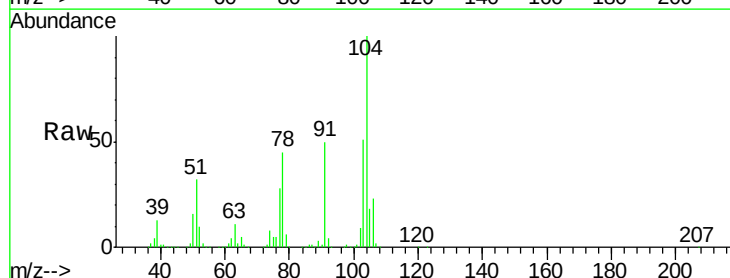
Manual Integrations
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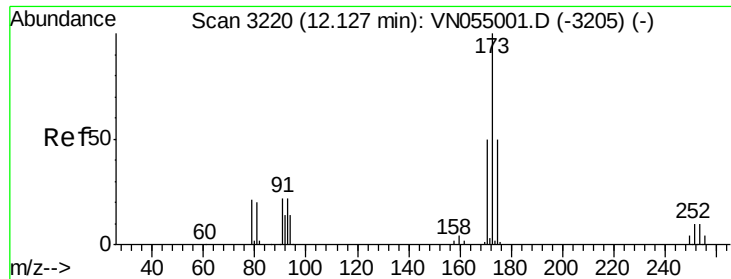
MMDadoda
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#70
Styrene
Concen: 51.489 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.4	40.3	60.5	
103	55.4	44.3	66.5	





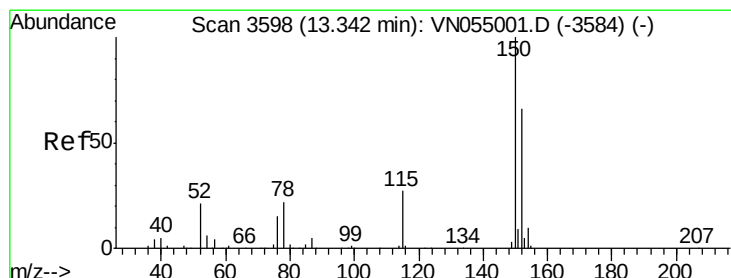
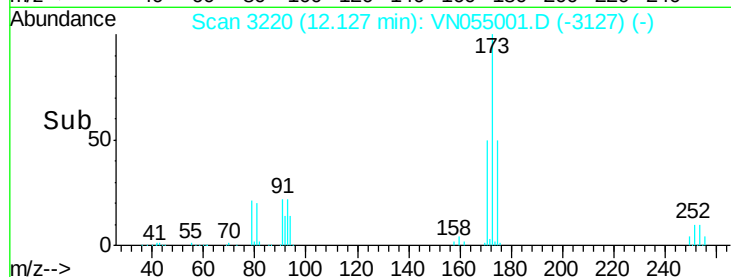
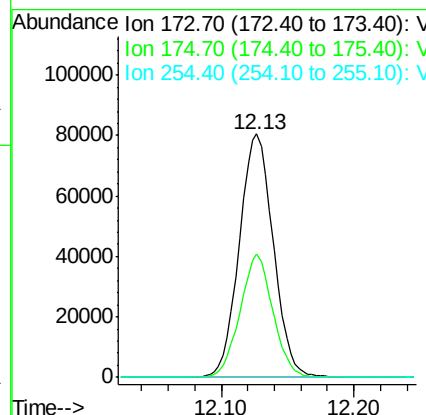
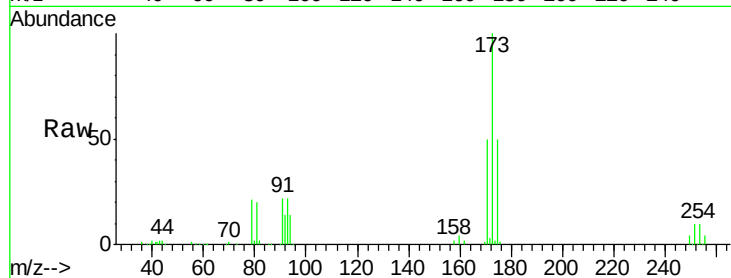
#71
Bromoform
Concen: 51.670 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	73.0
254	0.1	0.1	0.1

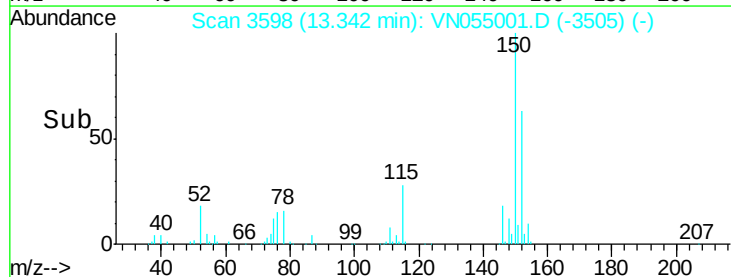
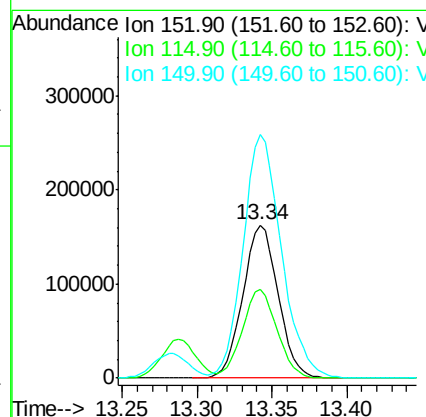
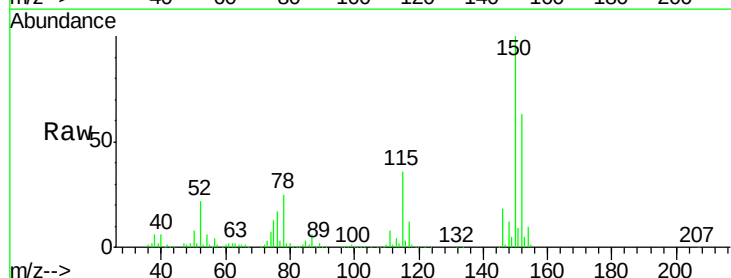
Manual Integrations
APPROVED

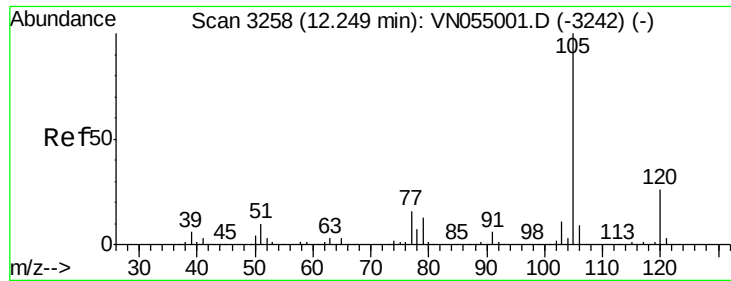
MMDadoda
4/16/2019 1:58:09 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.5	85.6
150	173.6	0.0	347.2





#73

Isopropylbenzene

Concen: 47.092 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1054171

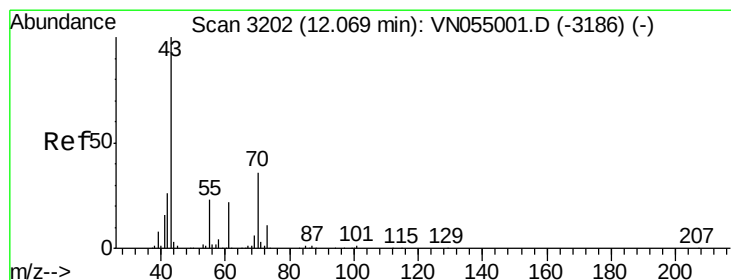
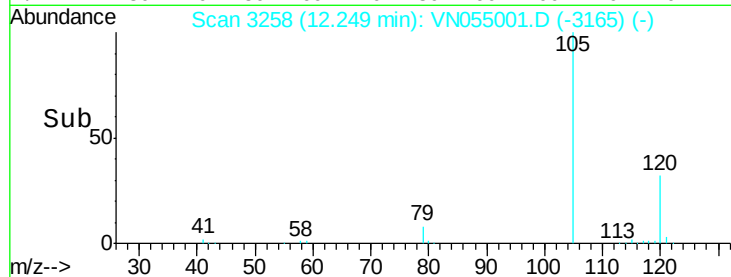
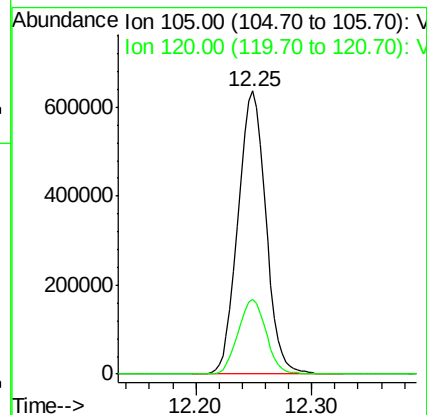
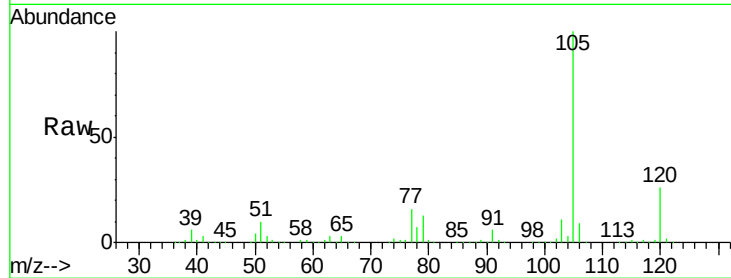
Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9

Manual Integrations
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4/16/2019 1:58:09 PM



#74

N-ethyl acetate

Concen: 53.928 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Tgt Ion: 43 Resp: 338053

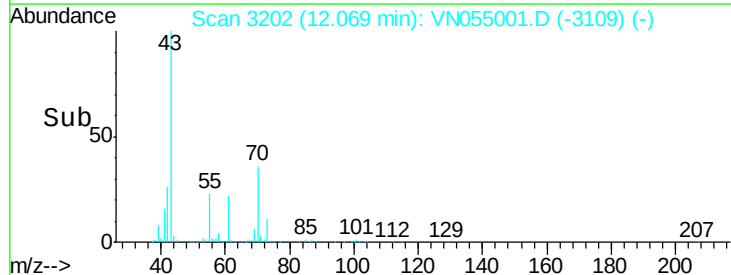
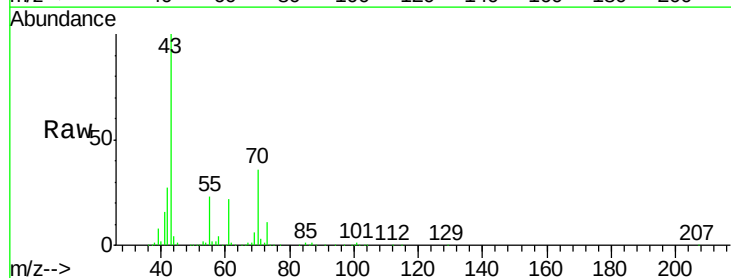
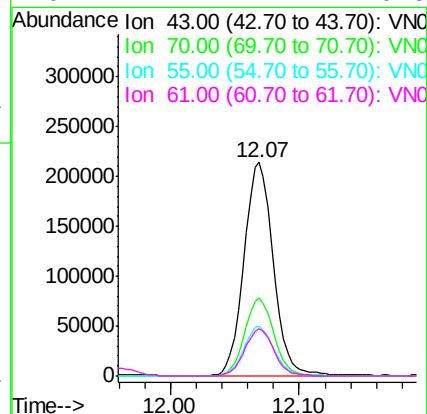
Ion Ratio Lower Upper

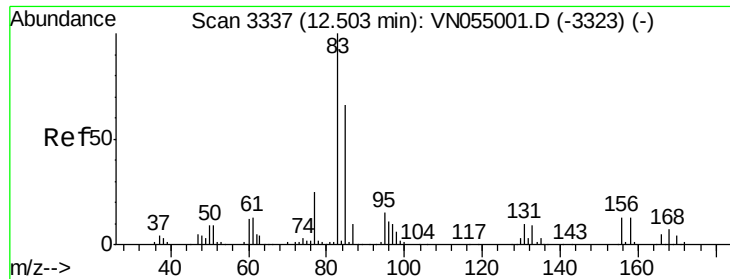
43 100

70 36.7 29.4 44.0

55 23.7 19.0 28.4

61 22.1 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.403 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

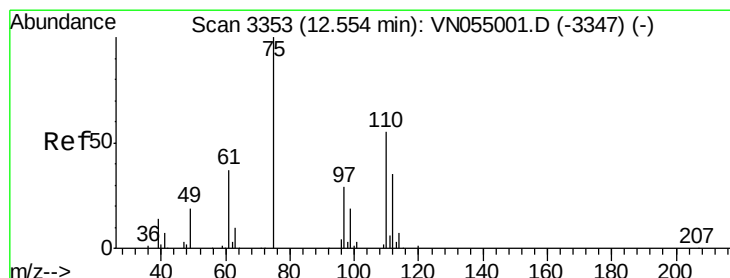
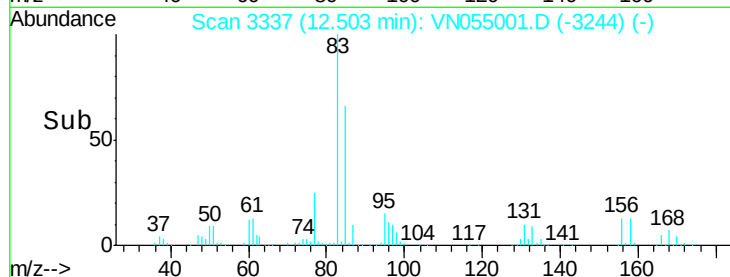
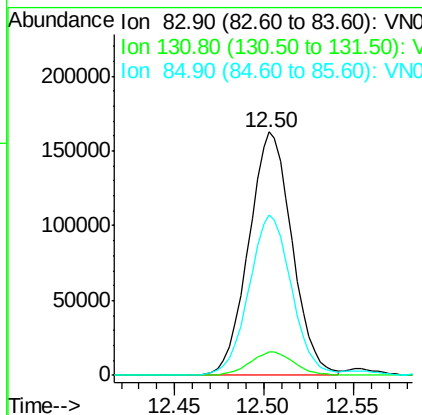
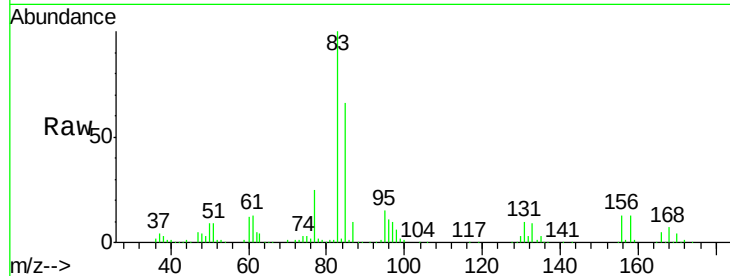
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	275680
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	64.6	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.507 ug/l m

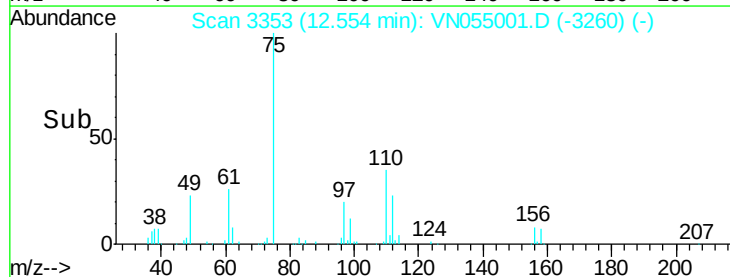
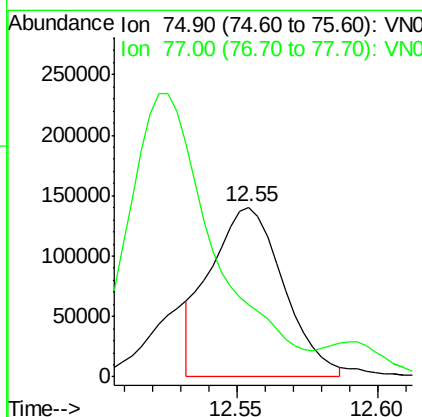
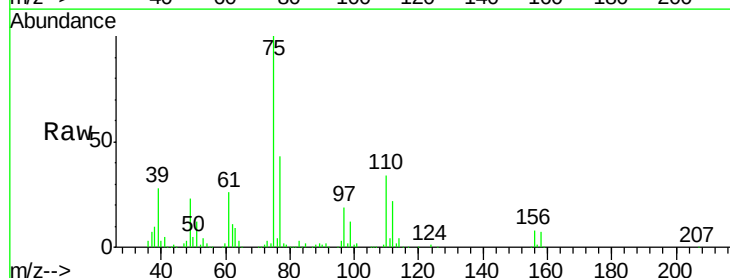
RT: 12.55 min Scan# 3353

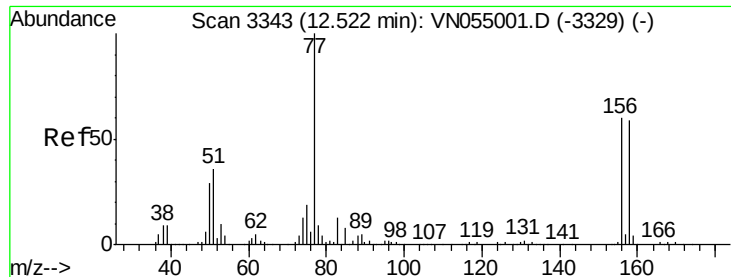
Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Tgt Ion:	75	Resp:	253009
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.865 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

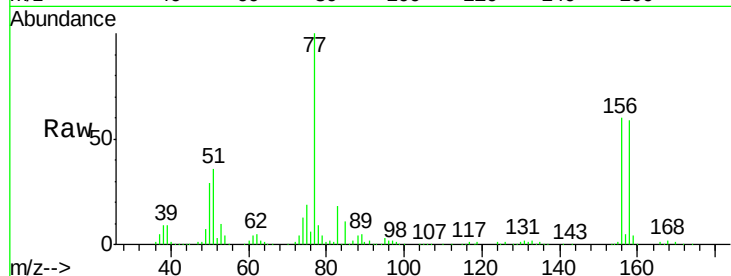
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	259820
Ion Ratio	Lower	Upper	
156	100		
77	194.3	97.2	291.5
158	97.3	48.6	145.9

Manual Integrations
APPROVED

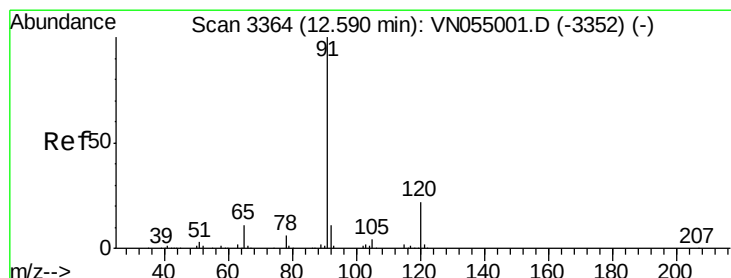
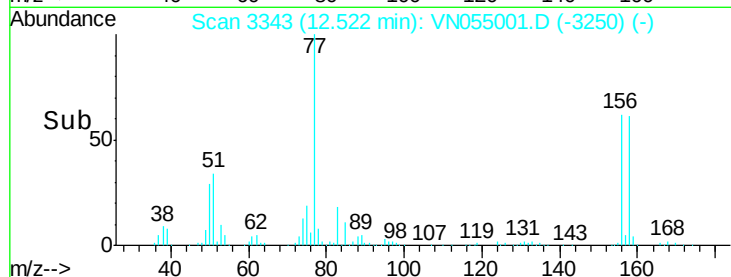
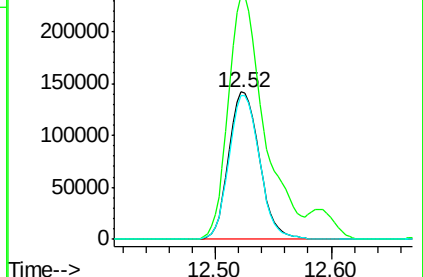
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.049 ug/l

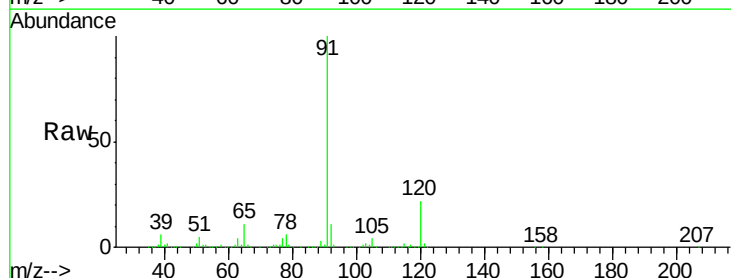
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055001.D

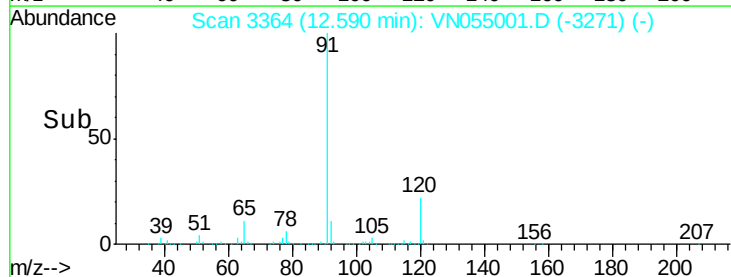
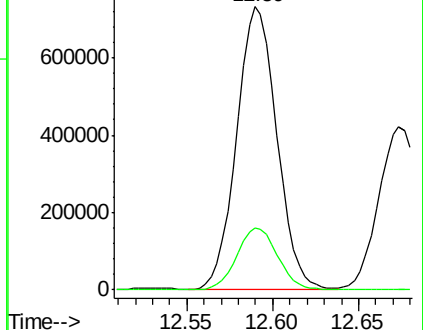
Acq: 12 Apr 2019 16:05

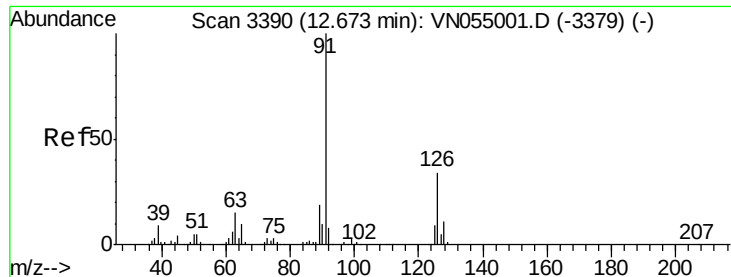
Tgt Ion:	91	Resp:	1185410
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.695 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 713962

Ion Ratio Lower Upper

91 100

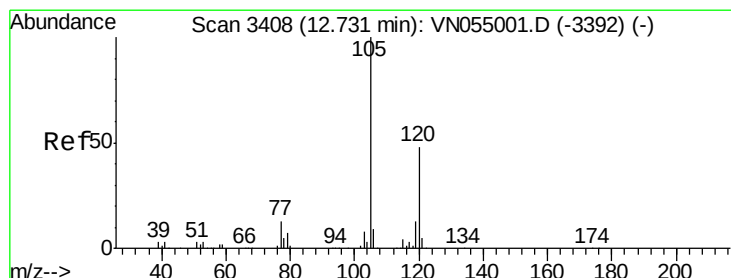
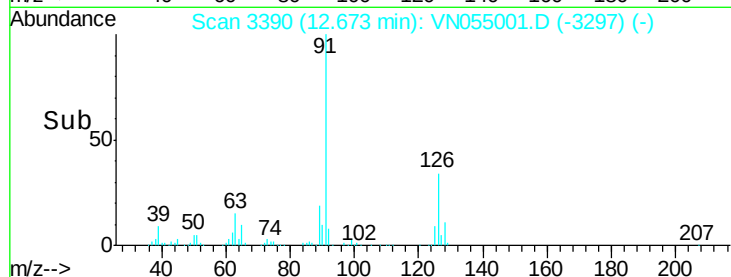
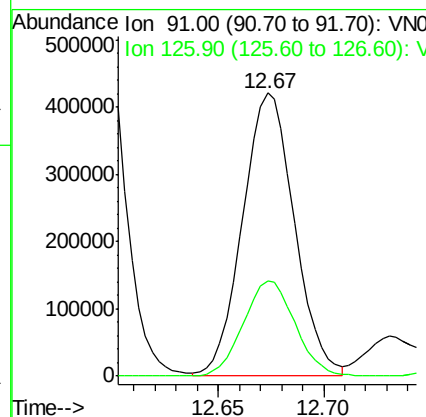
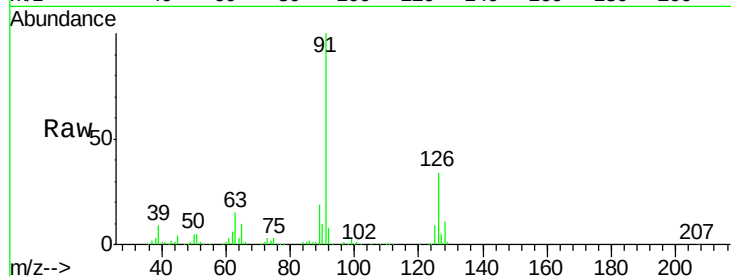
126 34.1 17.1 51.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 47.416 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055001.D

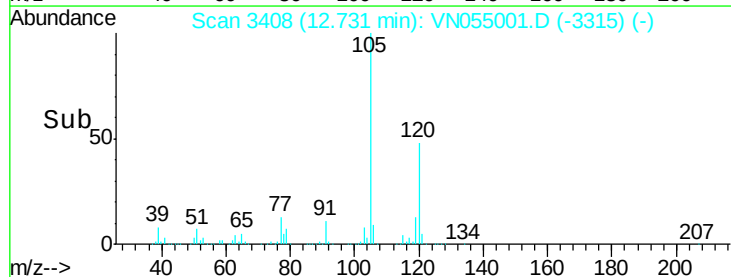
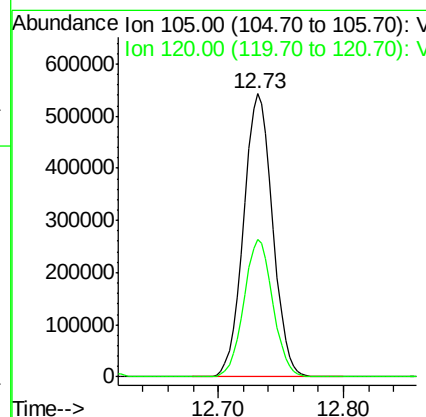
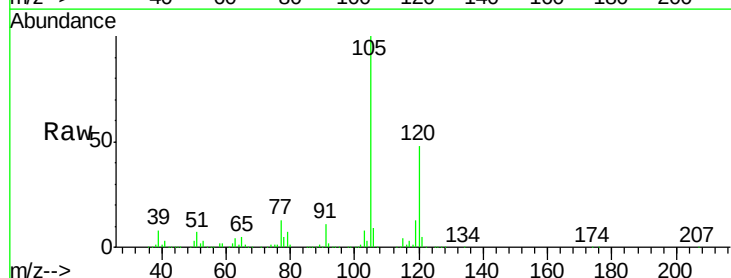
Acq: 12 Apr 2019 16:05

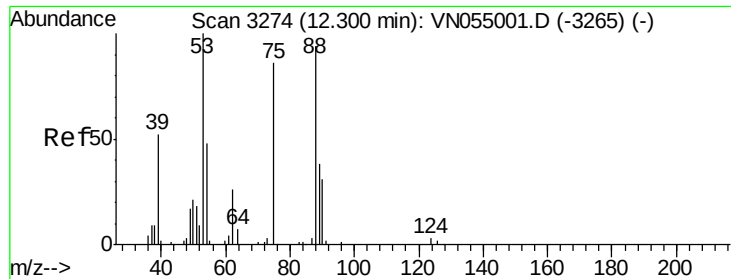
Tgt Ion: 105 Resp: 871110

Ion Ratio Lower Upper

105 100

120 48.5 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 50.171 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 57681

Ion Ratio Lower Upper

75 100

53 120.4 96.3 144.5

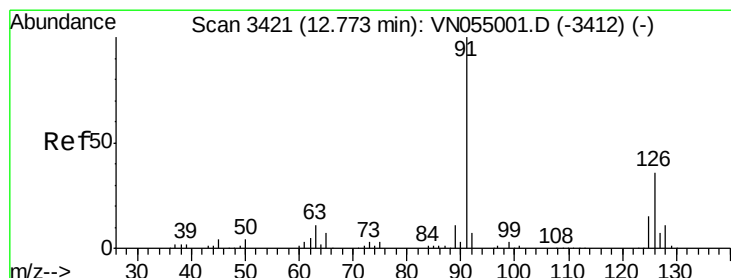
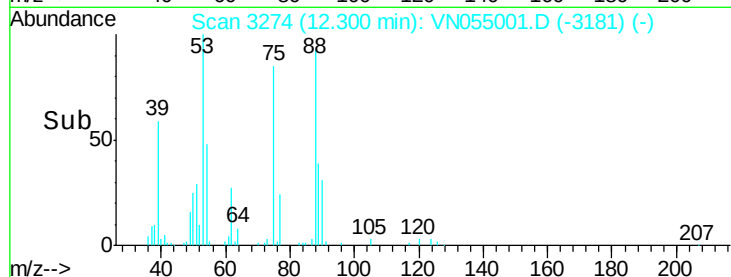
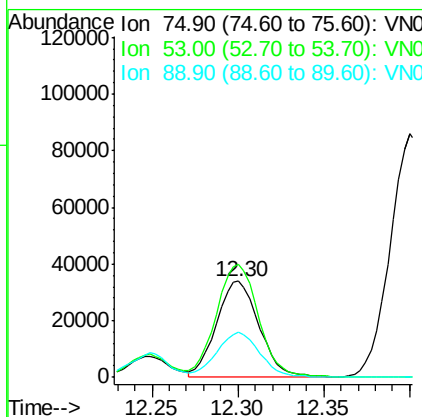
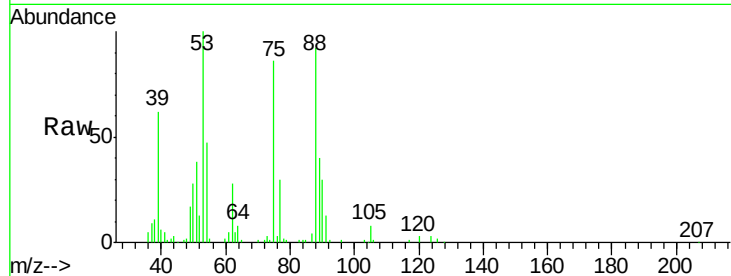
89 48.2 38.6 57.8

Manual Integrations

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#82

4-Chlorotoluene

Concen: 48.514 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055001.D

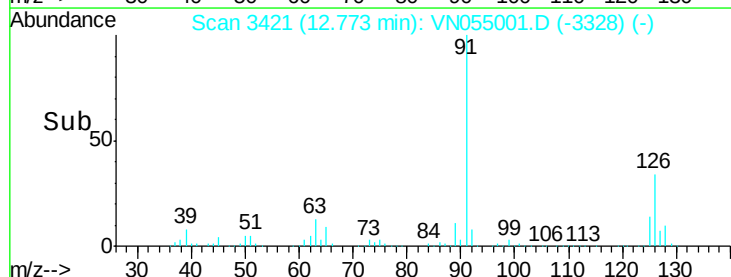
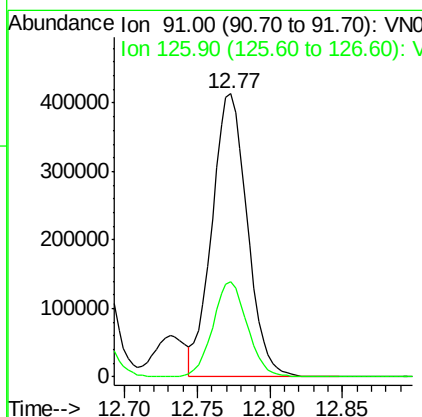
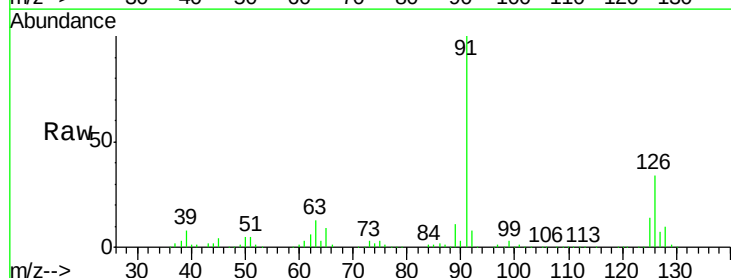
Acq: 12 Apr 2019 16:05

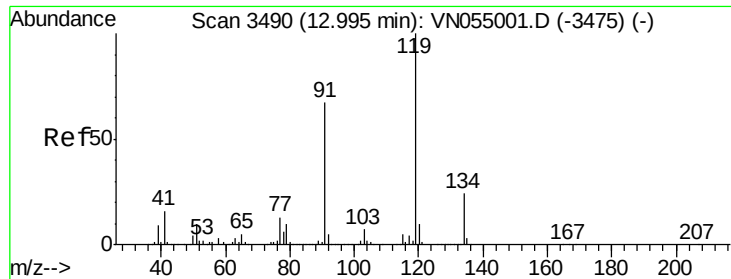
Tgt Ion: 91 Resp: 701512

Ion Ratio Lower Upper

91 100

126 32.8 16.4 49.2





#83

tert-Butylbenzene

Concen: 47.293 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

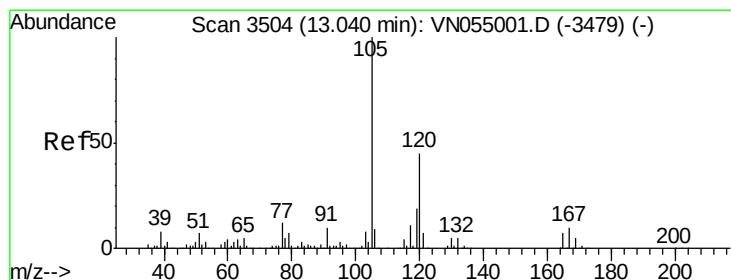
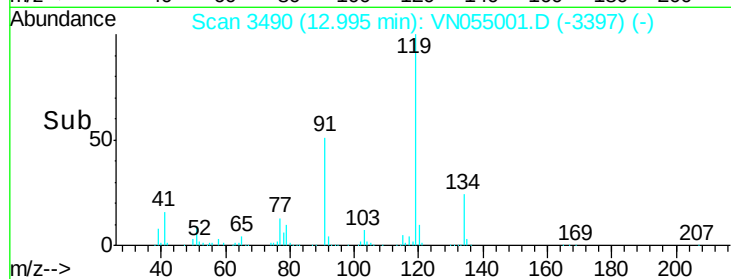
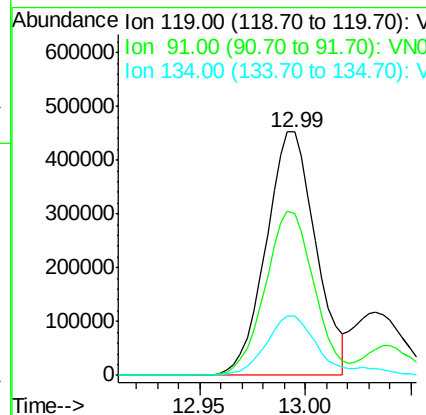
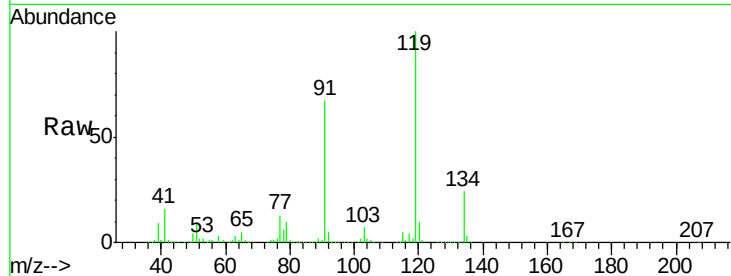
ClientSampleId :

VSTDICCC050

Tot Ion:	119	Resp:	741064
Ion Ratio	Lower	Upper	
119	100		
91	66.5	33.3	99.8
134	24.6	12.3	36.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 48.540 ug/l

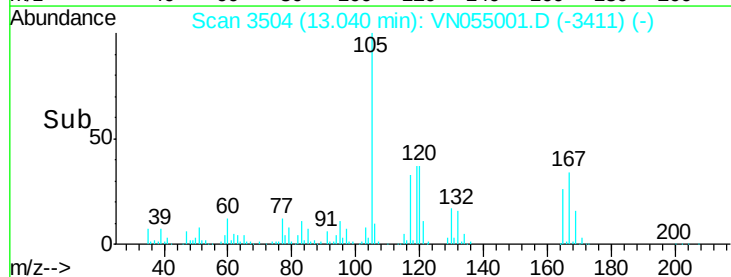
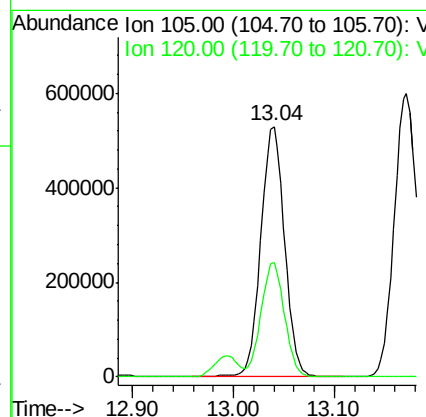
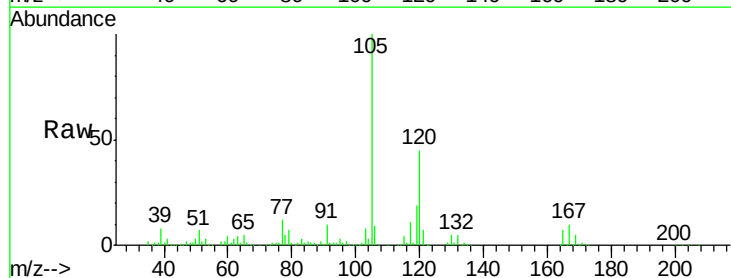
RT: 13.04 min Scan# 3504

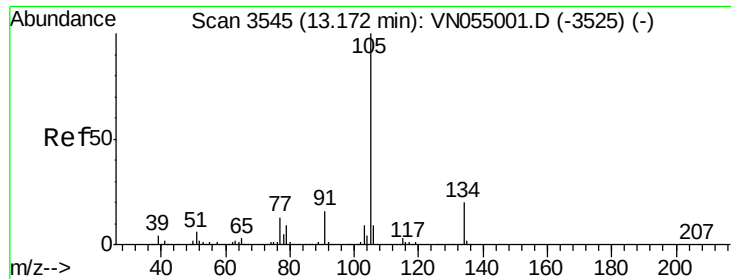
Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Tgt Ion:	105	Resp:	862097
Ion Ratio	Lower	Upper	
105	100		
120	44.9	22.4	67.3





#85

sec-Butylbenzene

Concen: 47.870 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 970257

Ion Ratio Lower Upper

105 100

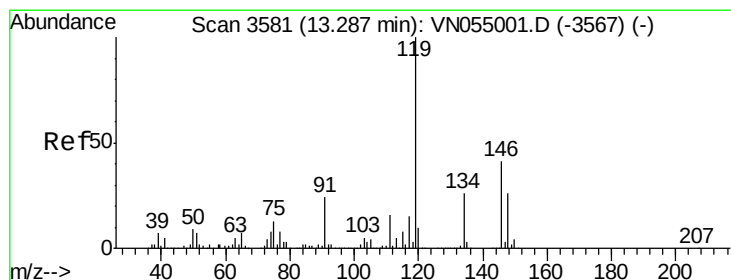
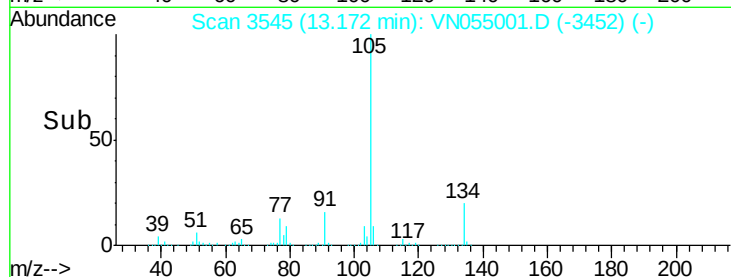
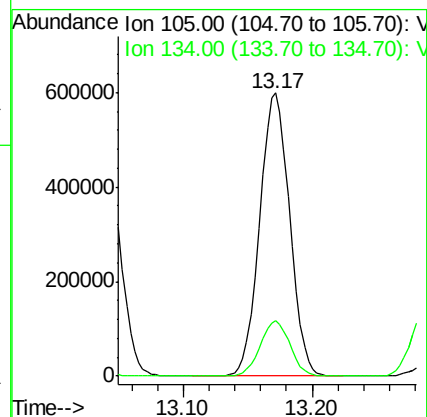
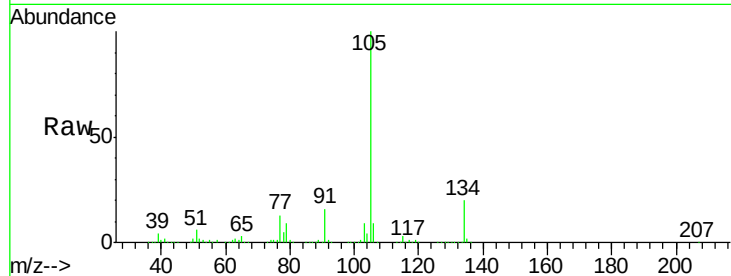
134 19.5 9.8 29.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 48.854 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

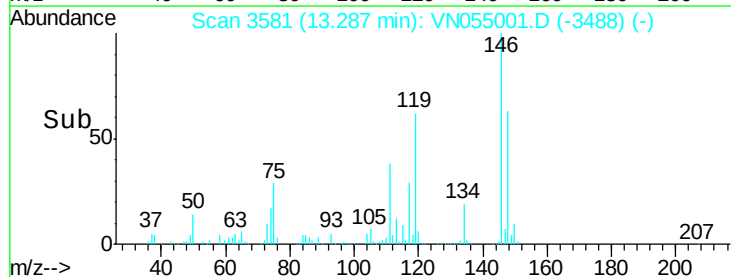
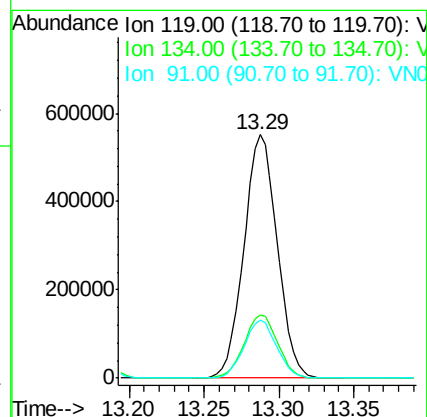
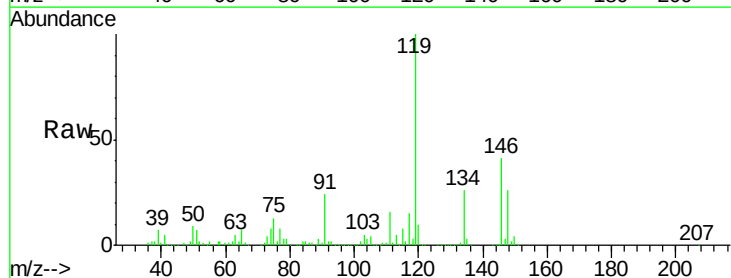
Tgt Ion:119 Resp: 852350

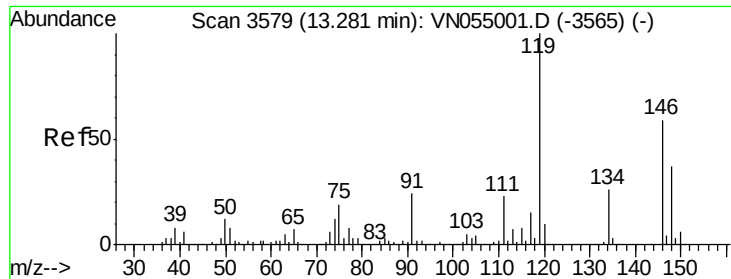
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 23.4 11.7 35.1





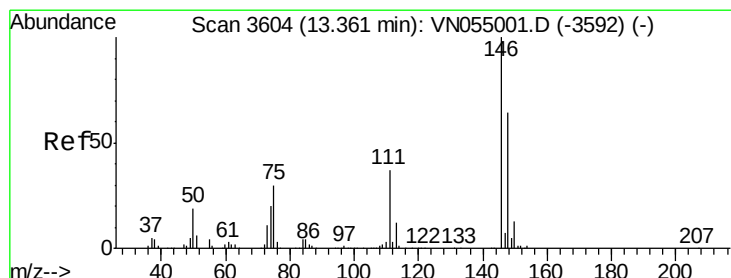
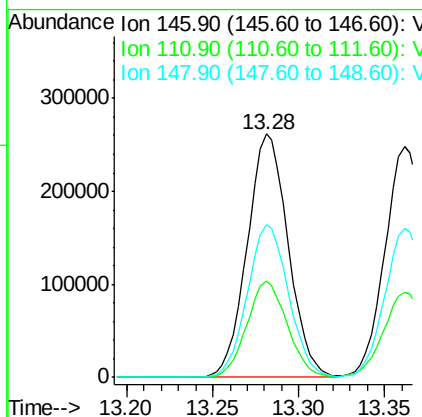
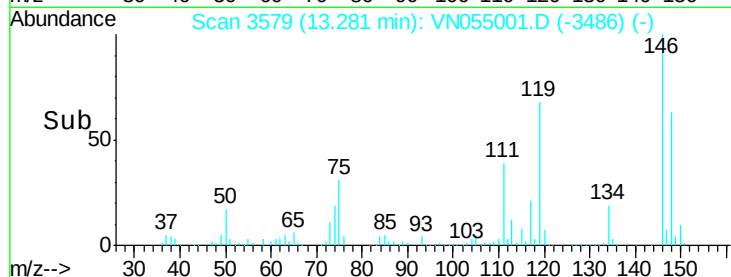
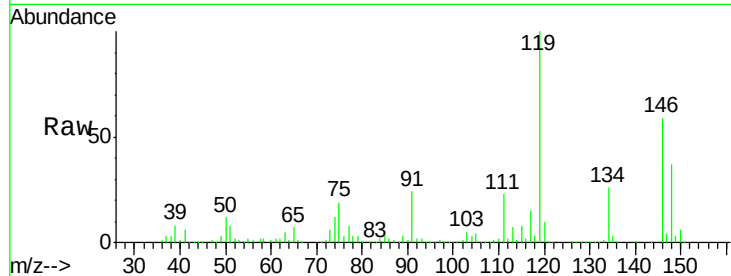
#87
 1,3-Dichlorobenzene
 Concen: 48.002 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.5	58.5
148	63.1	31.6	94.7

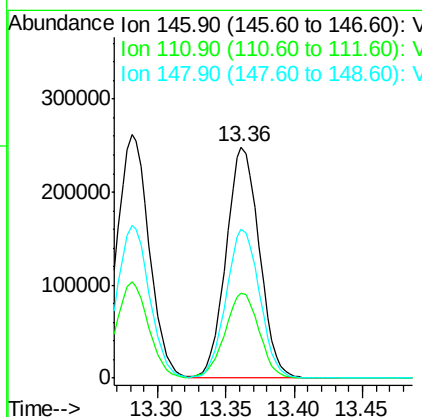
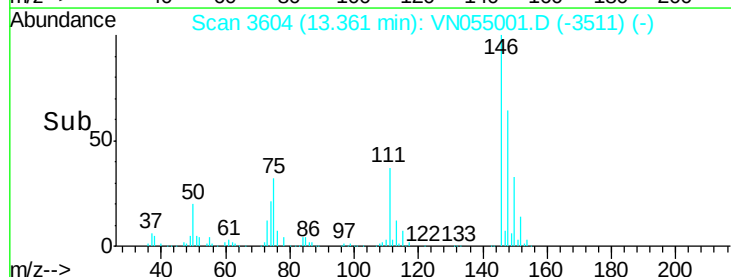
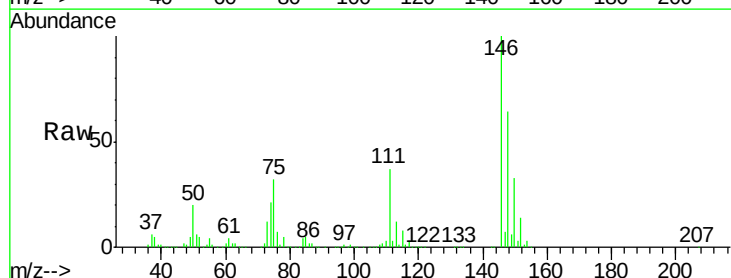
Manual Integrations
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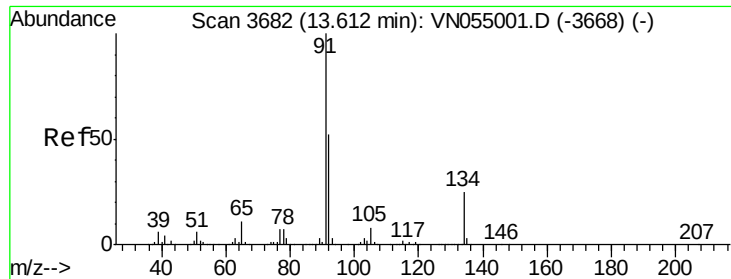
MMDadoda
 4/16/2019 1:58:09 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.983 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	64.8	32.4	97.2





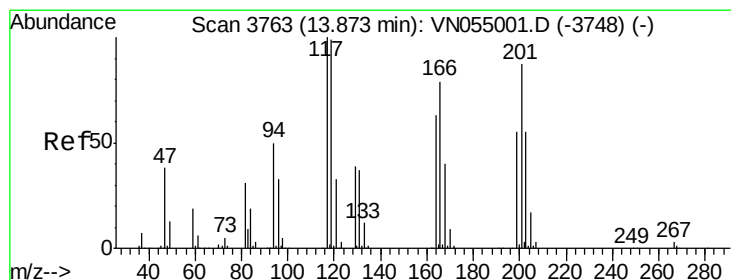
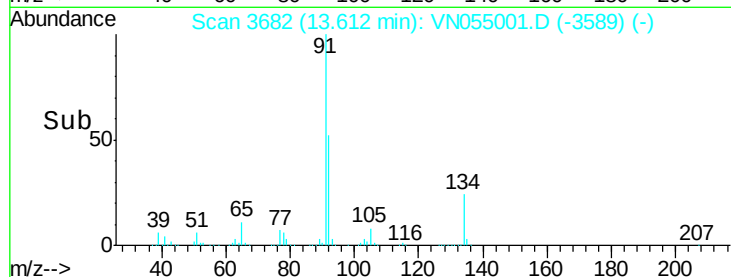
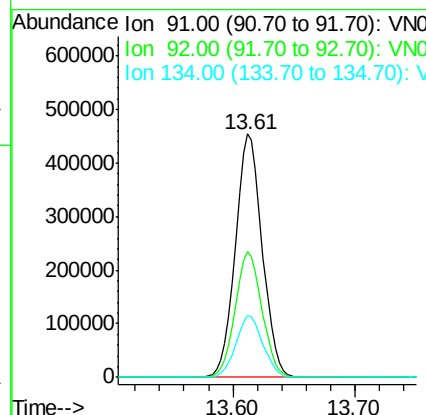
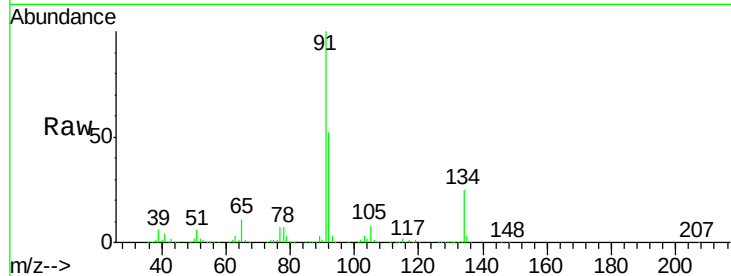
#89
n-Butylbenzene
Concen: 50.047 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.9	77.7
134	25.5	12.8	38.3

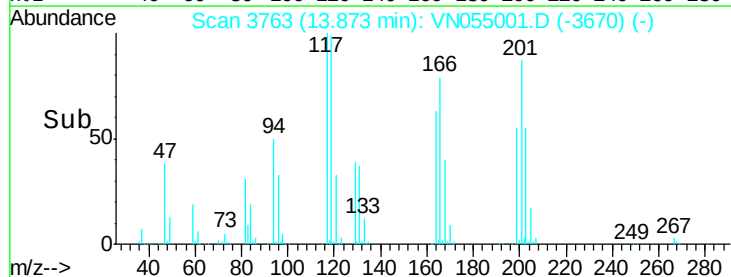
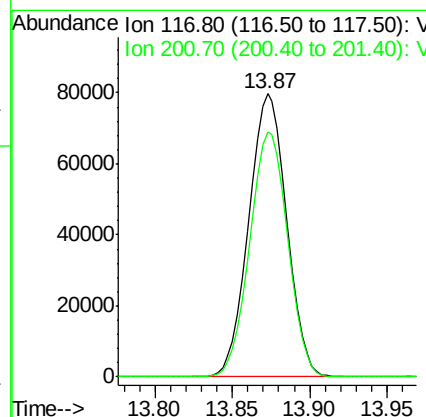
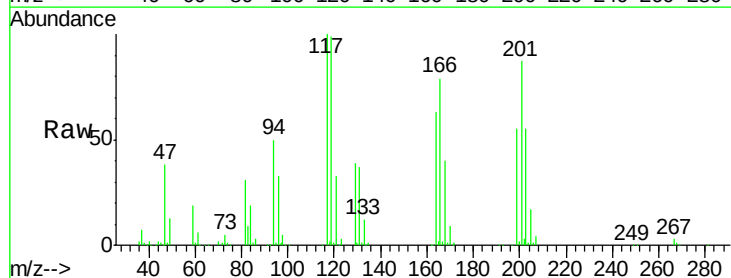
Manual Integrations
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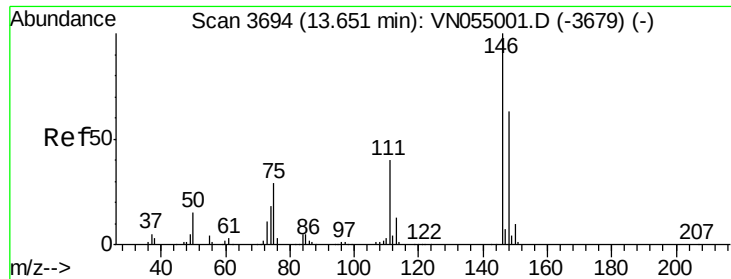
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#90
Hexachloroethane
Concen: 46.873 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.8	43.4	130.2





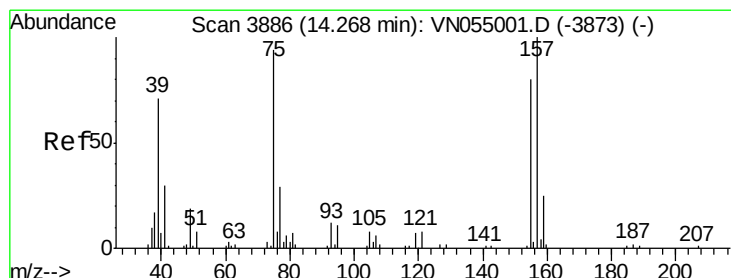
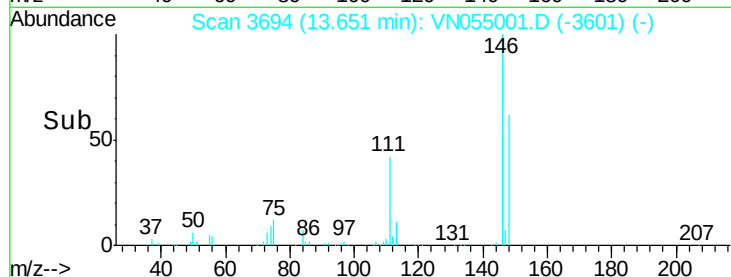
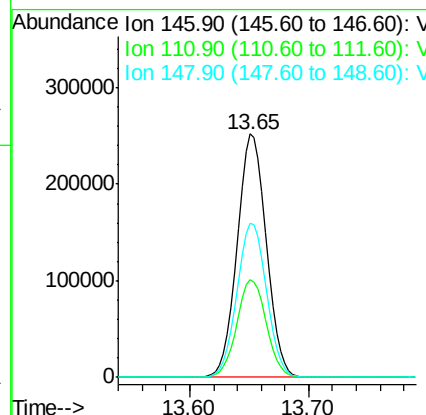
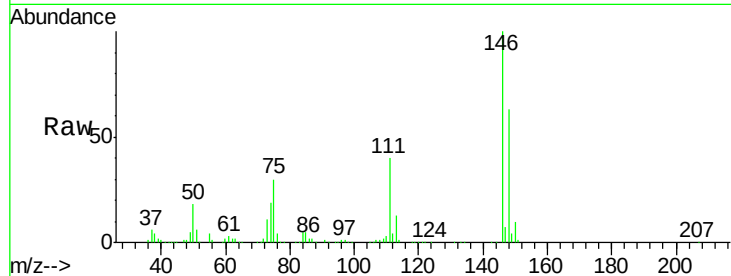
#91
 1,2-Dichlorobenzene
 Concen: 48.215 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.9
148	64.4	32.2	96.6

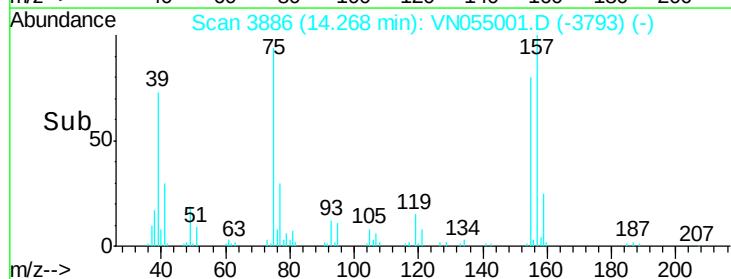
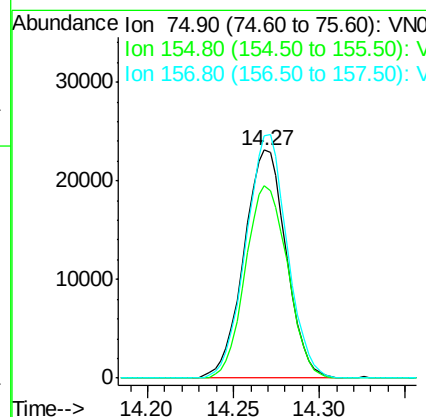
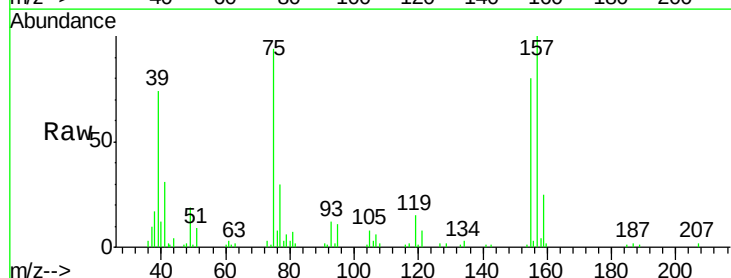
Manual Integrations
 APPROVED

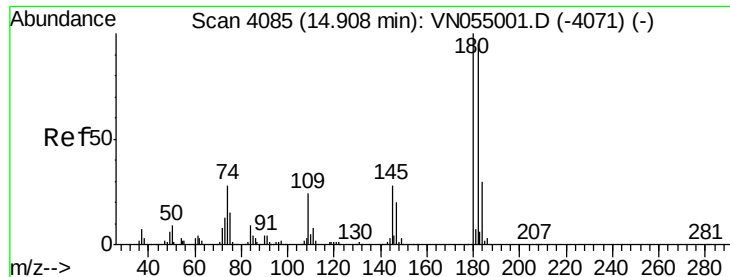
MMDadoda
 4/16/2019 1:58:09 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.626 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.0	42.0	126.0
157	104.3	52.1	156.4





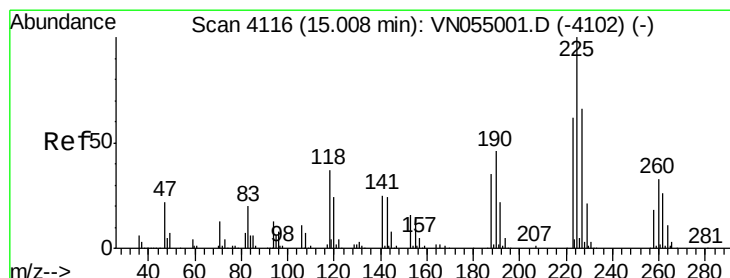
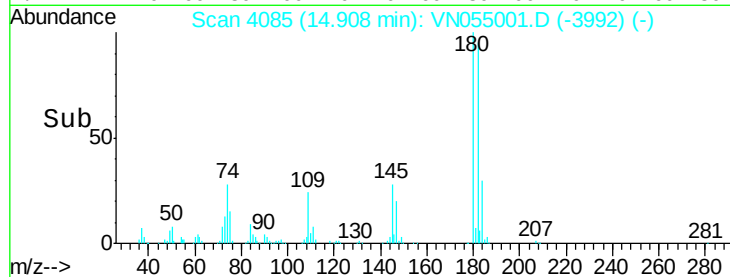
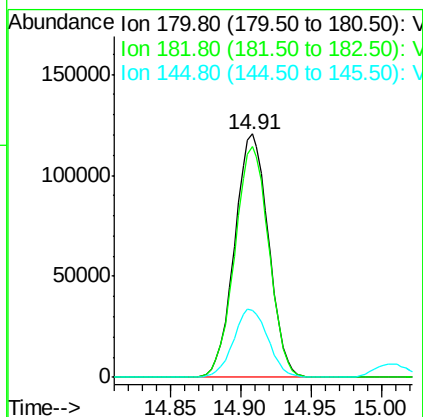
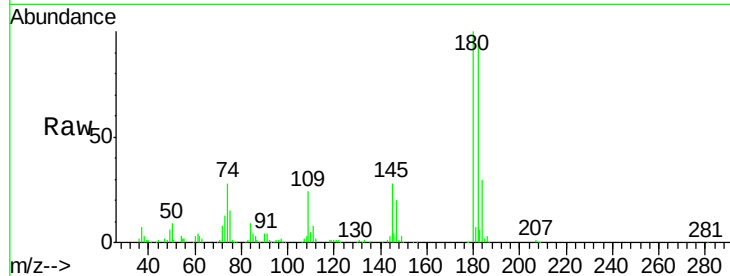
#93
 1,2,4-Trichlorobenzene
 Concen: 52.115 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	203062		
182	95.1	47.5	142.6	
145	28.5	14.2	42.8	

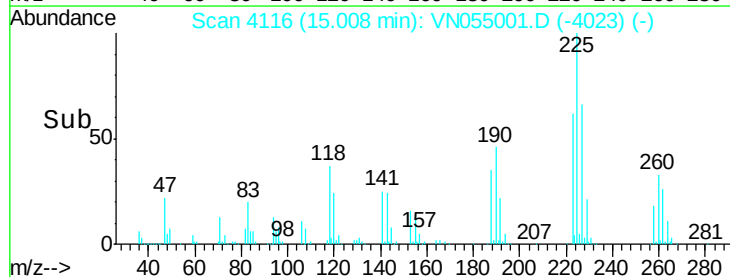
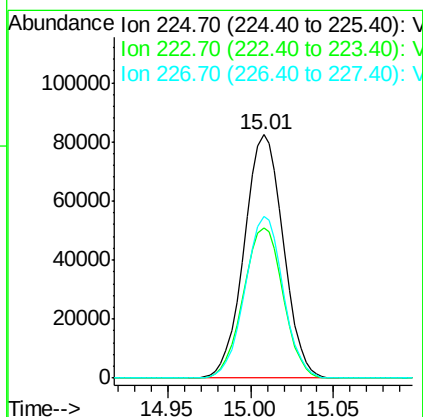
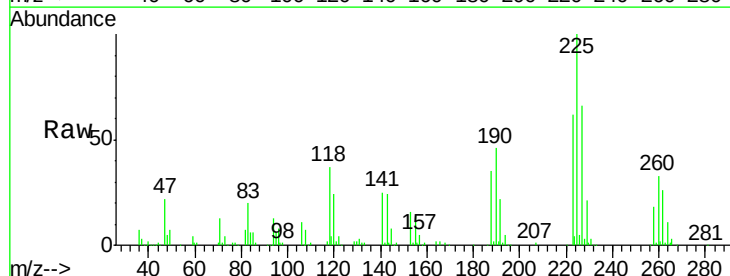
Manual Integrations
 APPROVED

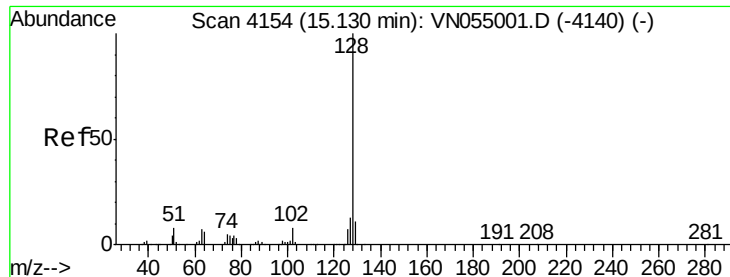
MMDadoda
 4/16/2019 1:58:09 PM



#94
 Hexachlorobutadiene
 Concen: 45.645 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	135539		
223	62.7	31.4	94.0	
227	65.1	32.6	97.7	





#95

Naphthalene

Concen: 51.853 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

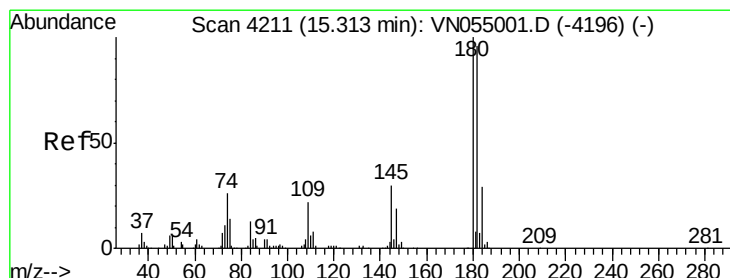
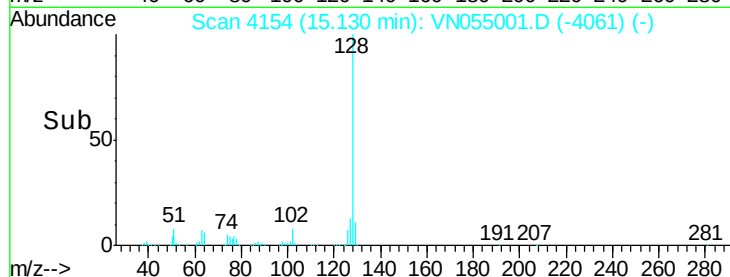
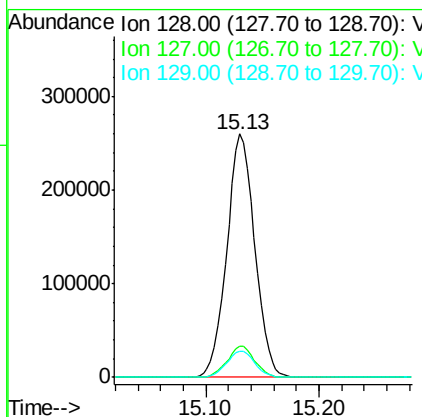
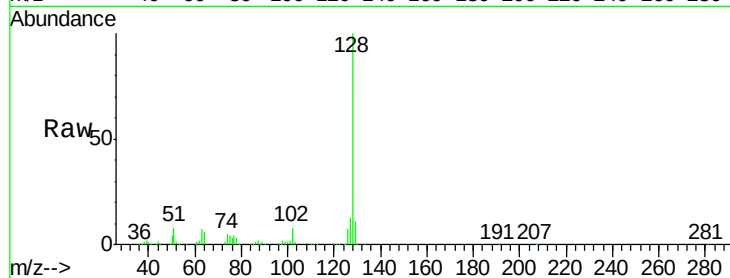
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	446212
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.1	15.1
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/16/2019 1:58:09 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.969 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Tgt Ion:	180	Resp:	206344
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.0	144.0
145	30.6	15.3	45.9

