

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030219\
 Data File : VN054032.D
 Acq On : 1 Mar 2019 16:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/4/2019 1:53:35 PM

Quant Time: Mar 02 05:06:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	713257	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1070810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	939390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	427218	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	395451	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
35) Dibromofluoromethane	7.59	113	350337	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
50) Toluene-d8	10.09	98	1300737	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.40	95	432423	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	301288	45.898	ug/l	99
3) Chloromethane	2.06	50	411555	45.200	ug/l	99
4) Vinyl Chloride	2.19	62	418022	45.821	ug/l	99
5) Bromomethane	2.57	94	253197	41.907	ug/l	99
6) Chloroethane	2.71	64	248752	43.843	ug/l	99
7) Trichlorofluoromethane	3.02	101	529713	45.450	ug/l	100
8) Diethyl Ether	3.41	74	203021	46.495	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	343113	46.613	ug/l	94
10) Methyl Iodide	3.95	142	461449	47.709	ug/l	98
11) Tert butyl alcohol	4.77	59	119665	225.768	ug/l	99
12) 1,1-Dichloroethene	3.74	96	317569	45.103	ug/l	93
13) Acrolein	3.60	56	99576	181.454	ug/l	100
14) Allyl chloride	4.32	41	599959	48.583	ug/l	95
15) Acrylonitrile	4.98	53	662832	237.273	ug/l	98
16) Acetone	3.81	43	635607	289.085	ug/l	94
17) Carbon Disulfide	4.05	76	968296	42.629	ug/l	99
18) Methyl Acetate	4.32	43	296503	50.716	ug/l	93
19) Methyl tert-butyl Ether	5.04	73	901063	47.706	ug/l	98
20) Methylene Chloride	4.55	84	368303	44.507	ug/l	88
21) trans-1,2-Dichloroethene	5.04	96	349209	45.824	ug/l	91
22) Diisopropyl ether	5.95	45	1189419	49.925	ug/l	97
23) Vinyl Acetate	5.89	43	4214470	245.904	ug/l	95
24) 1,1-Dichloroethane	5.85	63	683996	46.817	ug/l	99
25) 2-Butanone	6.83	43	825915	251.579	ug/l	95
26) 2,2-Dichloropropane	6.82	77	510275	49.160	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	396425	46.775	ug/l	93
28) Bromochloromethane	7.19	49	323586	48.388	ug/l #	81
29) Tetrahydrofuran	7.21	42	510684	233.593	ug/l	92
30) Chloroform	7.37	83	656889	46.369	ug/l	98
31) Cyclohexane	7.65	56	645122	48.236	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	546920	46.822	ug/l	96
36) 1,1-Dichloropropene	7.79	75	511865	51.402	ug/l	96
37) Ethyl Acetate	6.93	43	335766	47.222	ug/l	97
38) Carbon Tetrachloride	7.77	117	482893	46.626	ug/l	99

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 Response via : Initial Calibration

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

39) Methylcyclohexane	9.08	83	614841	51.226	ug/l	95
40) Benzene	8.04	78	1505991	49.228	ug/l	100
41) Methacrylonitrile	7.19	41	225245m	49.196	ug/l	
42) 1,2-Dichloroethane	8.12	62	472381	49.876	ug/l	97
43) Isopropyl Acetate	8.16	43	585734	48.789	ug/l	95
44) Trichloroethene	8.83	130	393765	48.552	ug/l	95
45) 1,2-Dichloropropane	9.12	63	410545	49.742	ug/l	98
46) Dibromomethane	9.21	93	236260	49.307	ug/l	91
47) Bromodichloromethane	9.40	83	501465	49.660	ug/l	98
48) Methyl methacrylate	9.20	41	287218	52.012	ug/l	93
49) 1,4-Dioxane	9.20	88	75748	1012.754	ug/l #	95
51) 4-Methyl-2-Pentanone	9.98	43	1640993	265.996	ug/l	96
52) Toluene	10.16	92	906259	50.310	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	510549	51.963	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	599062	51.720	ug/l #	92
55) 1,1,2-Trichloroethane	10.56	97	328604	48.846	ug/l	98
56) Ethyl methacrylate	10.43	69	412048	46.841	ug/l	89
57) 1,3-Dichloropropane	10.71	76	569347	50.089	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	979644	239.167	ug/l	95
59) 2-Hexanone	10.75	43	1090353	271.748	ug/l	93
60) Dibromochloromethane	10.90	129	364887	48.804	ug/l	99
61) 1,2-Dibromoethane	11.00	107	314275	48.428	ug/l	99
64) Tetrachloroethene	10.63	164	384505	48.338	ug/l	97
65) Chlorobenzene	11.43	112	963786	48.613	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	350288	49.024	ug/l	99
67) Ethyl Benzene	11.51	91	1692006	50.909	ug/l	98
68) m/p-Xylenes	11.62	106	1285834	102.505	ug/l	95
69) o-Xylene	11.95	106	617151	50.071	ug/l	97
70) Styrene	11.96	104	1009498	53.249	ug/l	99
71) Bromoform	12.13	173	238369	47.954	ug/l #	100
73) Isopropylbenzene	12.25	105	1629581	49.001	ug/l	98
74) N-amyl acetate	12.07	43	457132	52.446	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	384308	46.212	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	328259m	47.898	ug/l	
77) Bromobenzene	12.53	156	402659	47.689	ug/l	89
78) n-propylbenzene	12.59	91	1938675	51.259	ug/l	97
79) 2-Chlorotoluene	12.67	91	1129772	49.726	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1375114	50.508	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	105456	48.634	ug/l	91
82) 4-Chlorotoluene	12.77	91	1141532	50.837	ug/l	96
83) tert-Butylbenzene	12.99	119	1156703	48.037	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	1381722	50.835	ug/l	99
85) sec-Butylbenzene	13.17	105	1613266	49.053	ug/l	98
86) p-Isopropyltoluene	13.29	119	1397810	50.275	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	723241	49.515	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	706615	49.864	ug/l	99
89) n-Butylbenzene	13.62	91	1236365	52.765	ug/l	99
90) Hexachloroethane	13.87	117	245625	45.590	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	687109	48.596	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57636	49.043	ug/l	85

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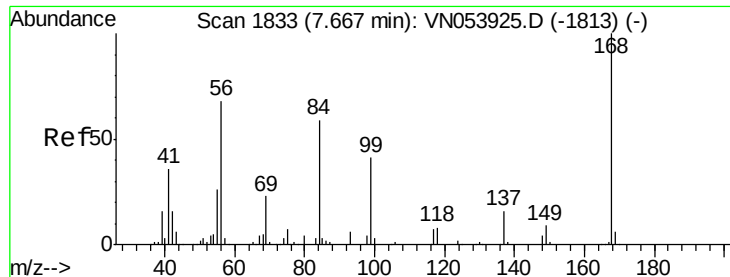
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	352861	45.161	ug/l	97
94) Hexachlorobutadiene	15.01	225	229123	44.861	ug/l	99
95) Naphthalene	15.13	128	700565	41.967	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	328524	43.815	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 713257

Ion Ratio Lower Upper

168 100

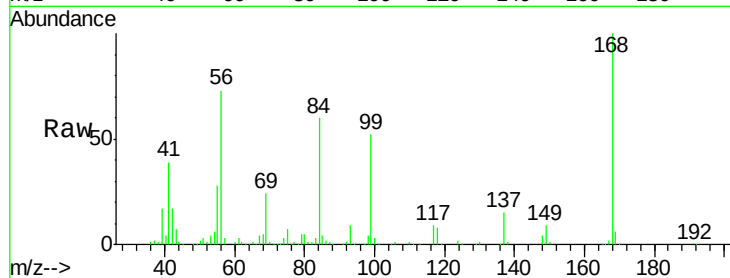
99 51.6 36.9 55.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

300000

250000

200000

150000

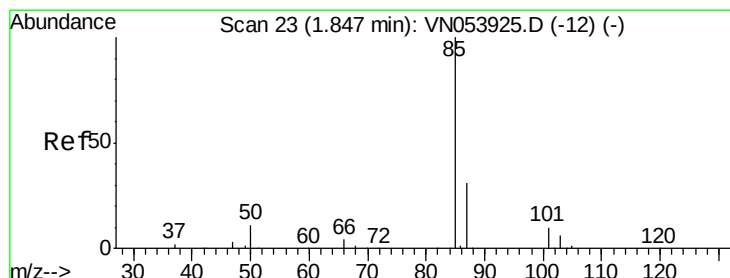
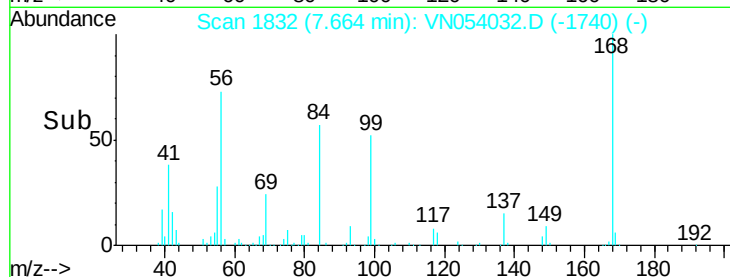
100000

50000

0

7.60 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.898 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN054032.D

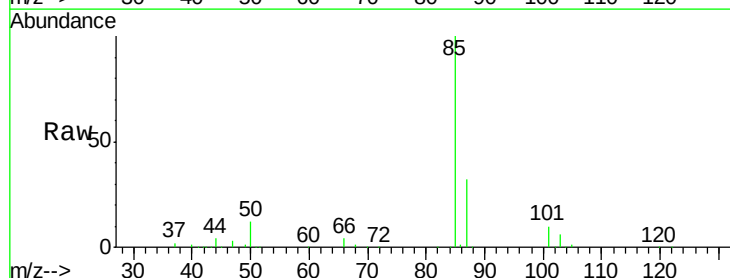
Acq: 1 Mar 2019 16:27

Tgt Ion: 85 Resp: 301288

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

250000

200000

150000

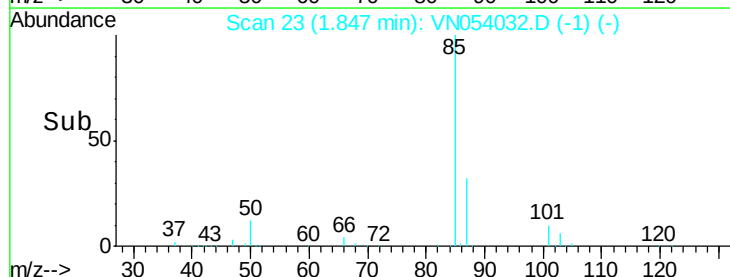
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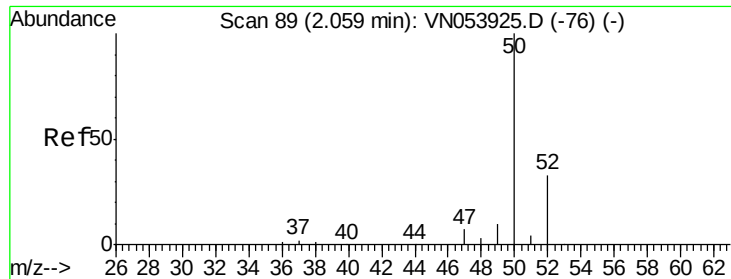
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 45.200 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 411555

Ion Ratio Lower Upper

50 100

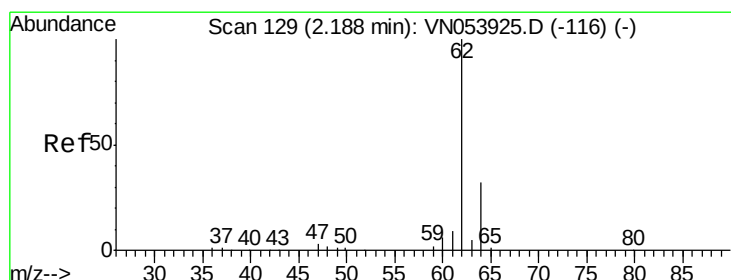
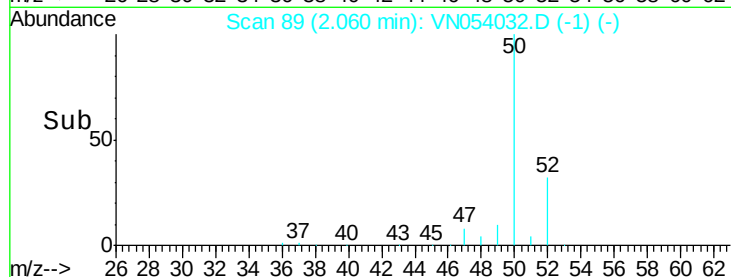
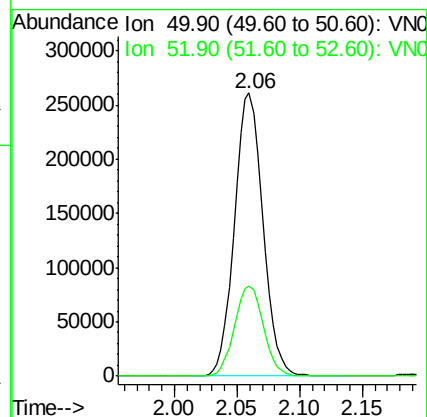
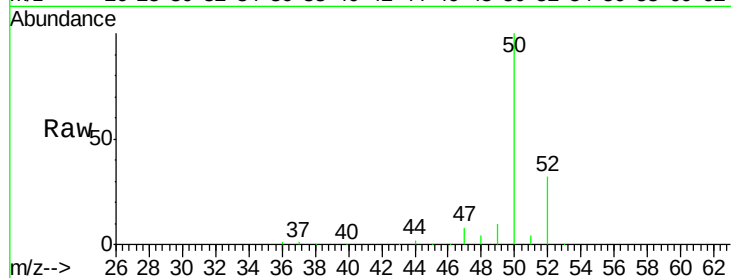
52 31.9 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.821 ug/l

RT: 2.19 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN054032.D

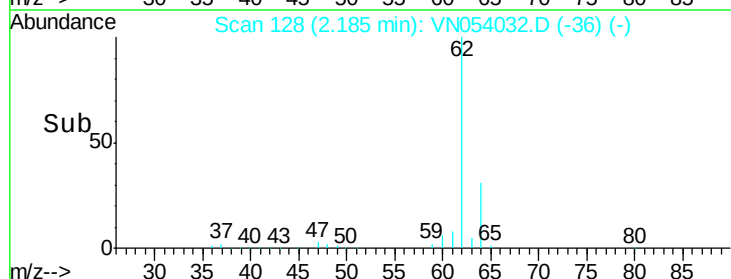
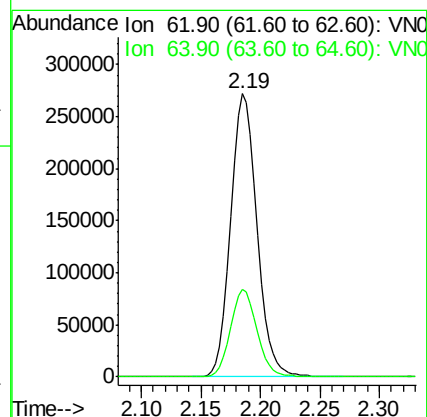
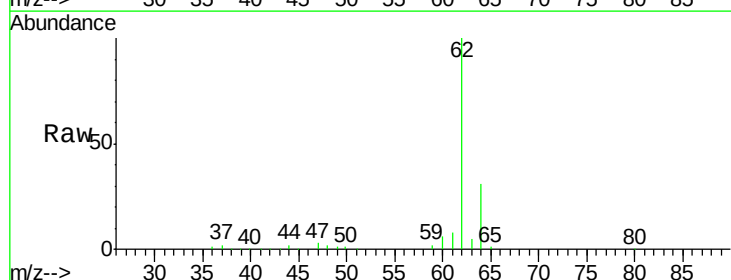
Acq: 1 Mar 2019 16:27

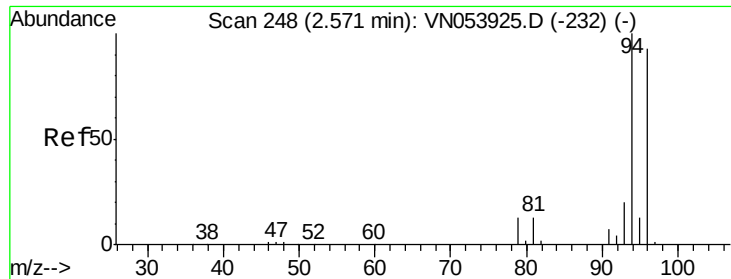
Tgt Ion: 62 Resp: 418022

Ion Ratio Lower Upper

62 100

64 30.9 25.1 37.7





#5

Bromomethane

Concen: 41.907 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 253197

Ion Ratio Lower Upper

94 100

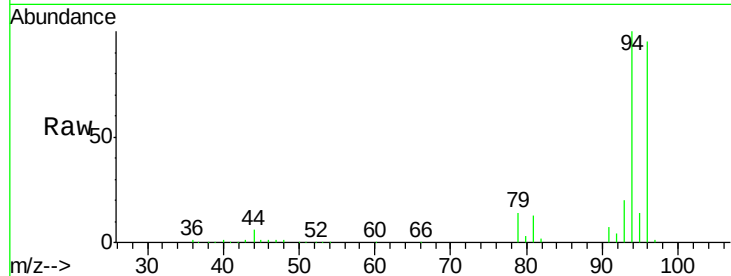
96 94.8 74.9 112.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

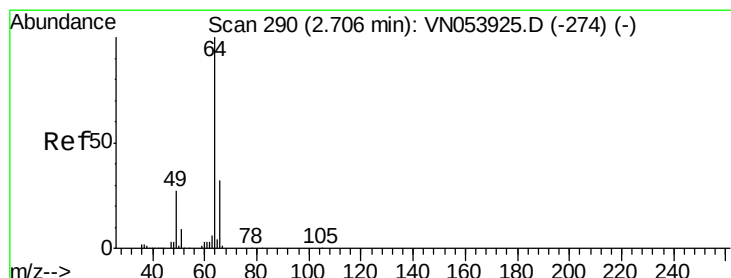
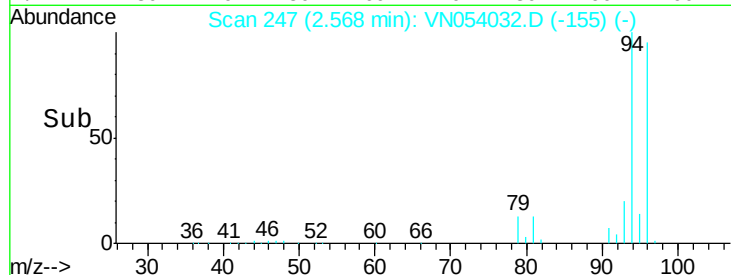
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 43.843 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN054032.D

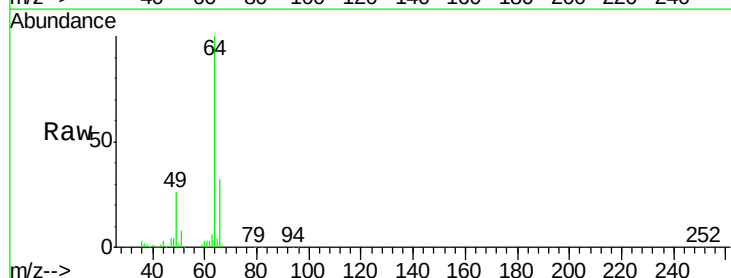
Acq: 1 Mar 2019 16:27

Tgt Ion: 64 Resp: 248752

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

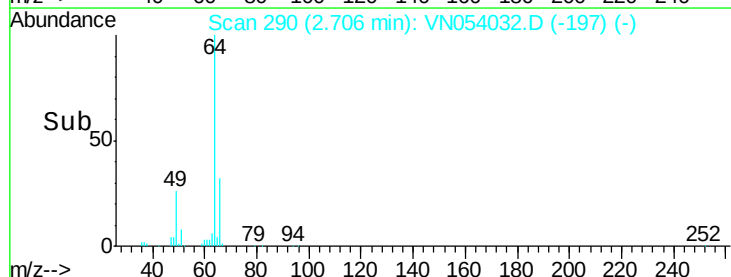
2.71

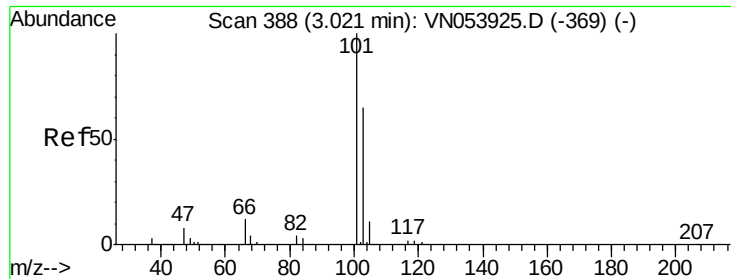
100000

50000

0

Time-->





#7

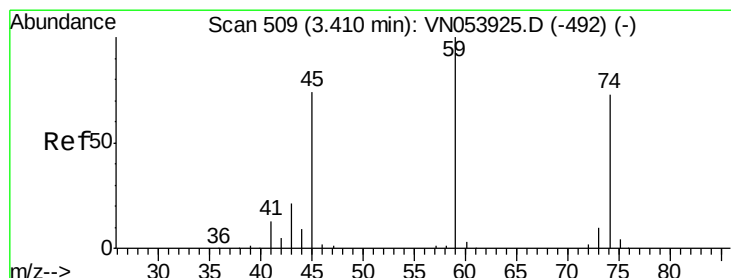
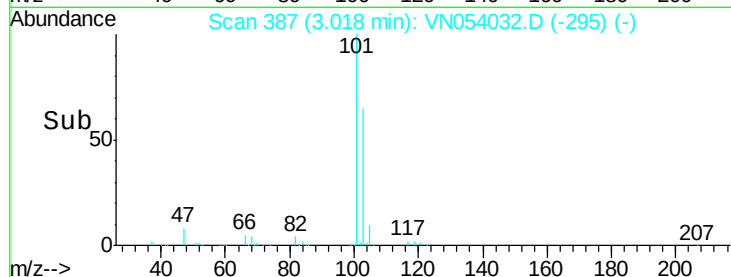
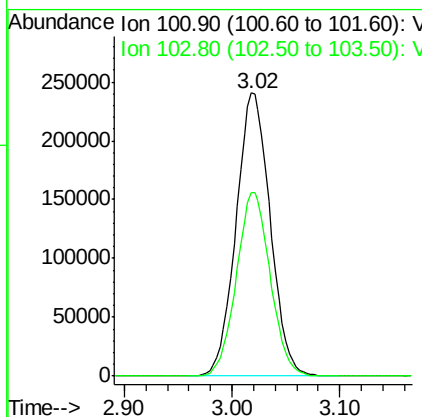
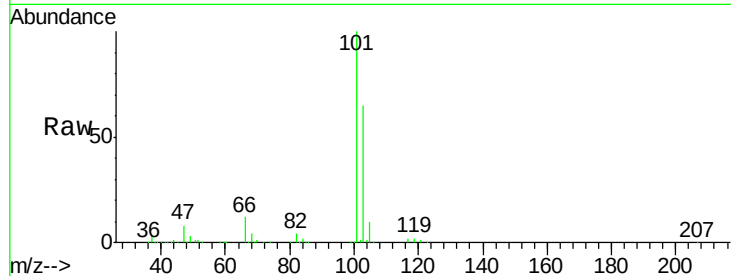
Trichlorofluoromethane
Concen: 45.450 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.9	77.9

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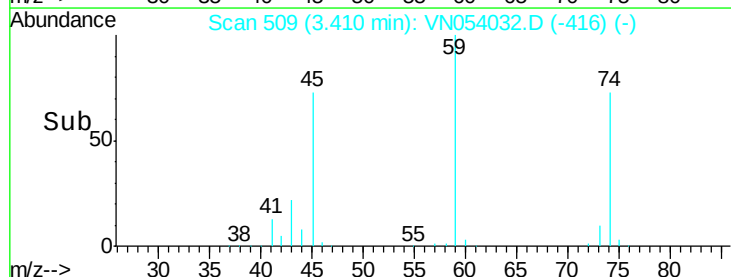
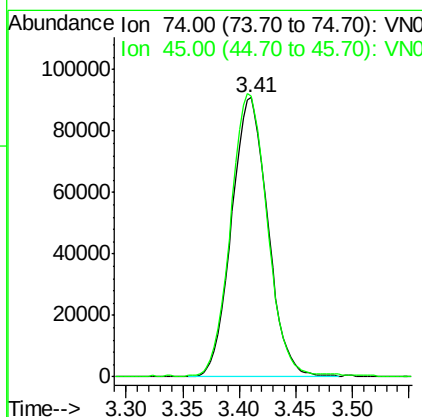
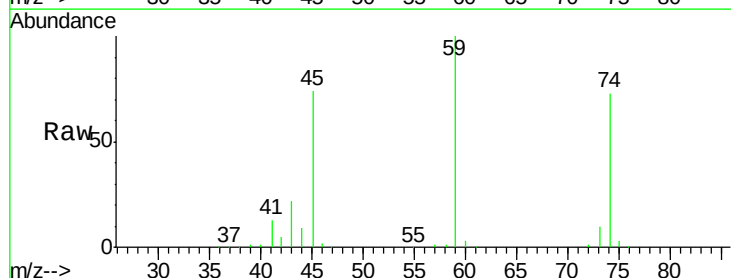
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3/4/2019 1:53:35 PM

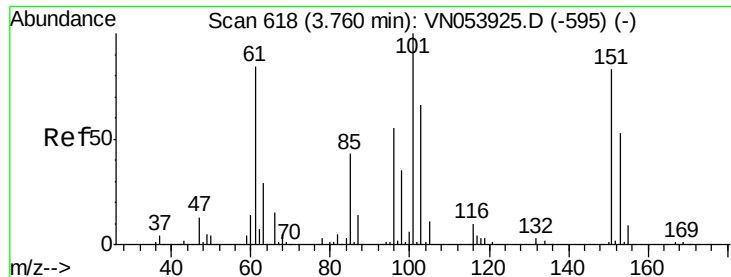


#8

Diethyl Ether
Concen: 46.495 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.8	46.9	140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.613 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

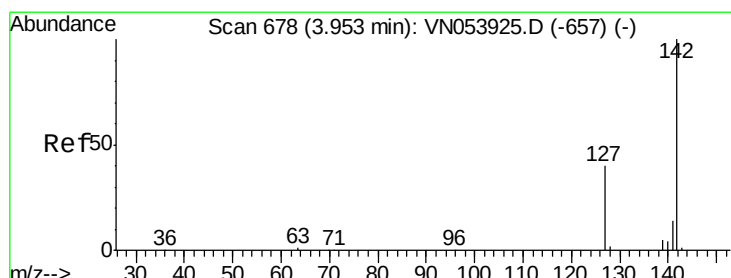
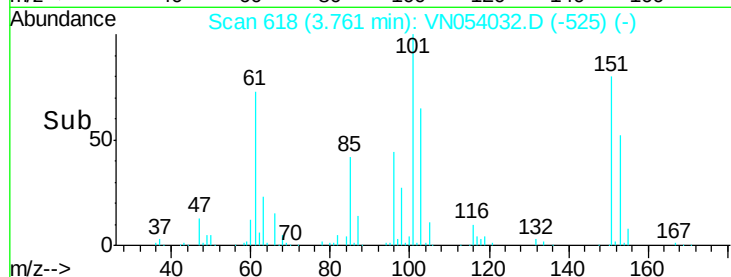
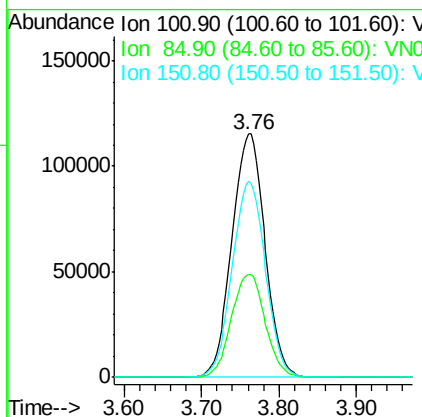
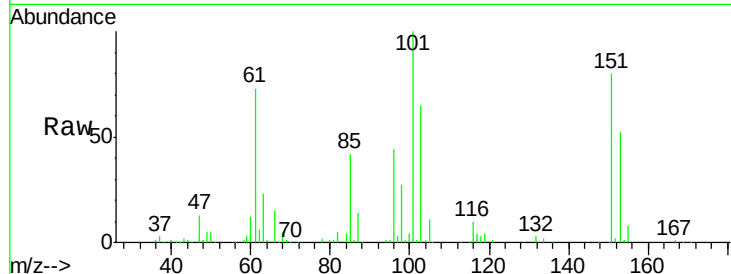
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	343113
Ion Ratio	Lower	Upper	
101	100		
85	43.1	32.5	48.7
151	80.8	70.2	105.2

Manual Integrations
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3/4/2019 1:53:35 PM



#10

Methyl Iodide

Concen: 47.709 ug/l

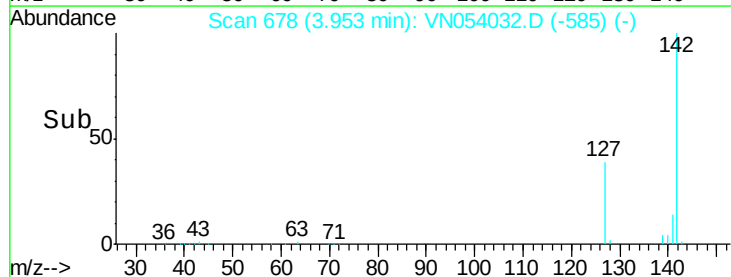
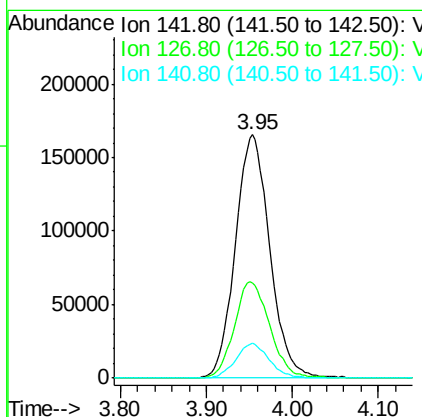
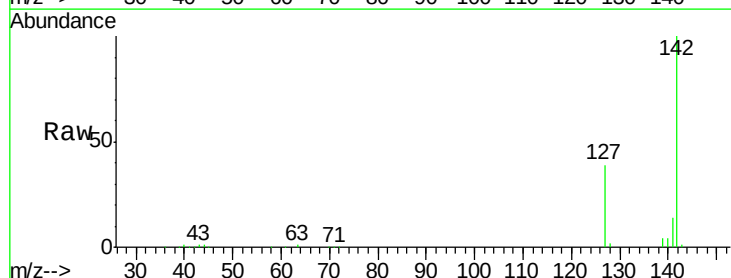
RT: 3.95 min Scan# 678

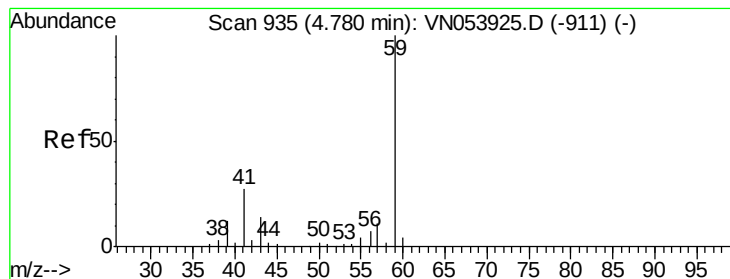
Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Tgt Ion:	142	Resp:	461449
Ion Ratio	Lower	Upper	
142	100		
127	40.5	31.0	46.4
141	14.0	11.3	16.9





#11

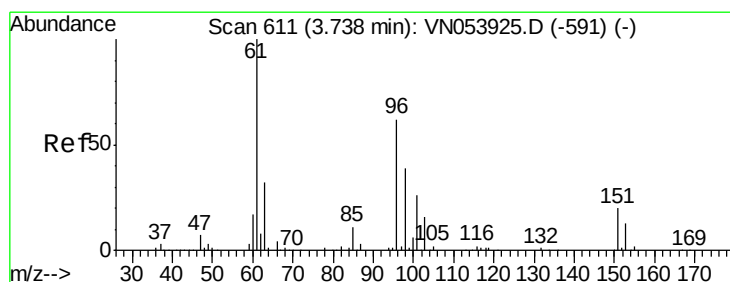
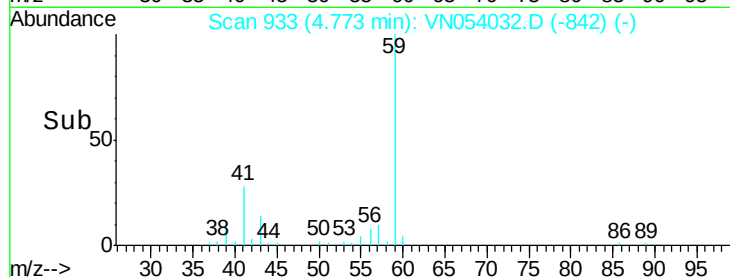
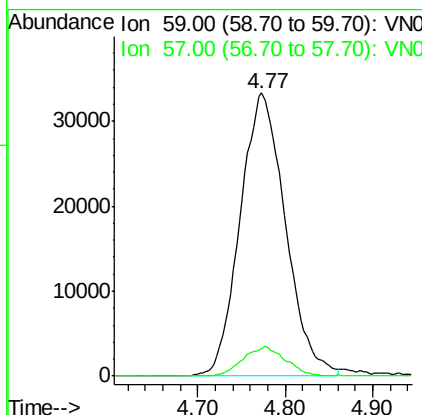
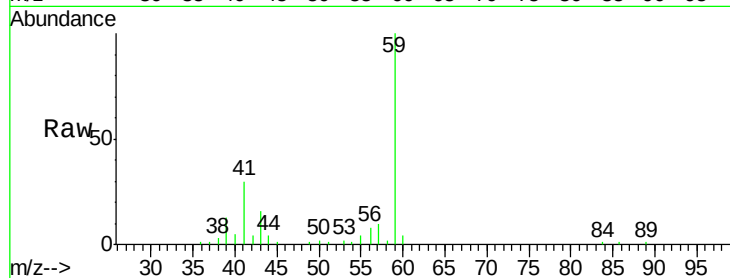
Tert butyl alcohol
 Concen: 225.768 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	119665		
57	9.8		8.1	12.1

Manual Integrations
 APPROVED

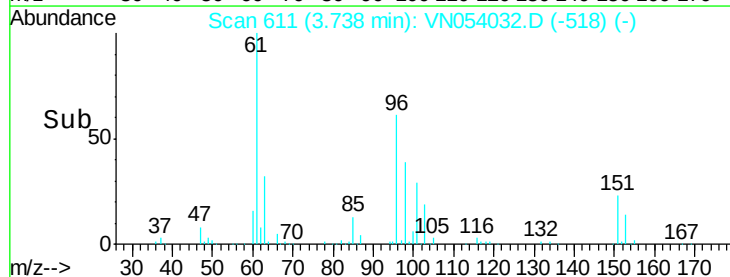
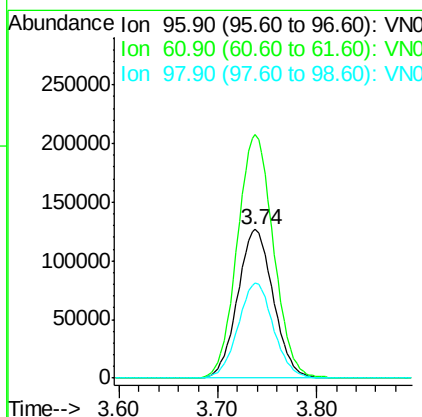
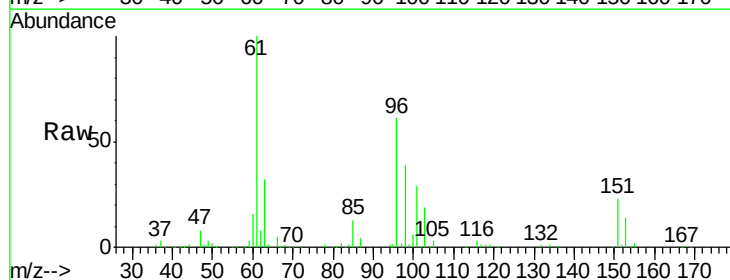
MMDadoda
 3/4/2019 1:53:35 PM

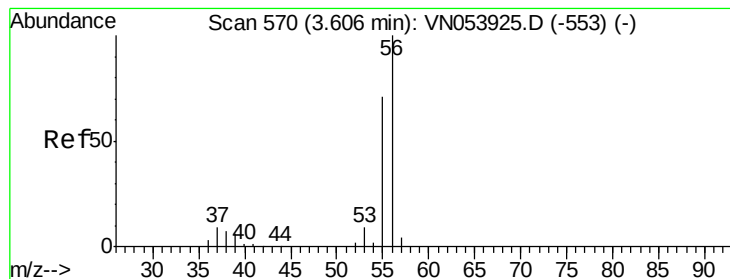


#12

1,1-Dichloroethene
 Concen: 45.103 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	317569		
61	163.7		121.0	181.4
98	64.0		52.2	78.2





#13

Acrolein

Concen: 181.454 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 99576

Ion Ratio Lower Upper

56 100

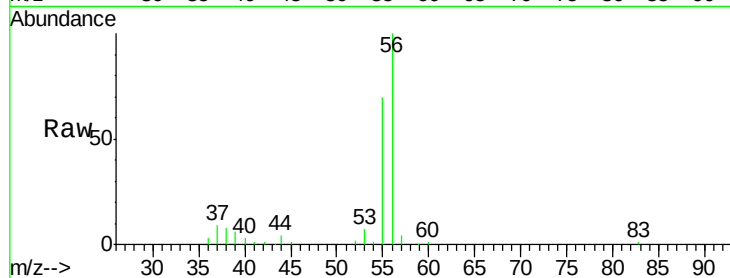
55 70.3 56.3 84.5

Manual Integrations

APPROVED

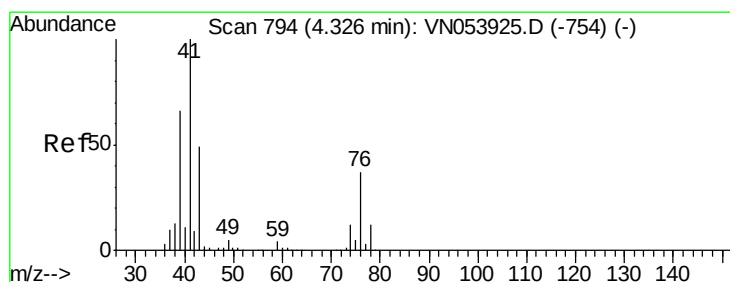
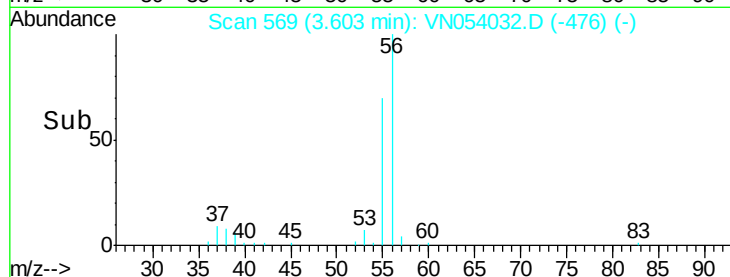
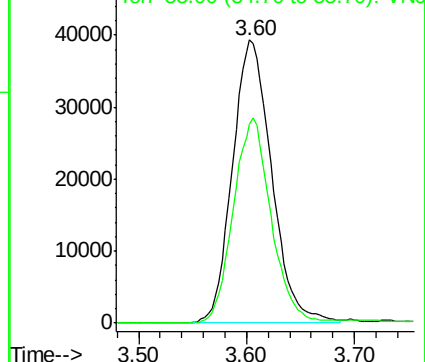
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.583 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

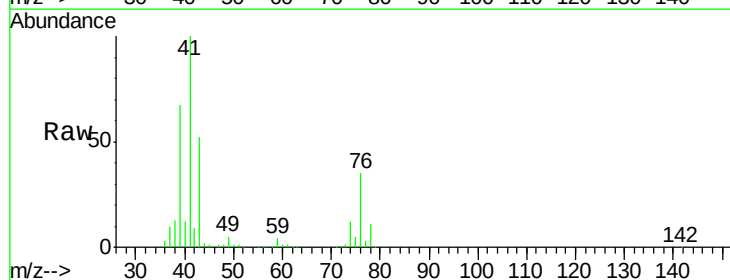
Tgt Ion: 41 Resp: 599959

Ion Ratio Lower Upper

41 100

39 63.1 48.8 73.2

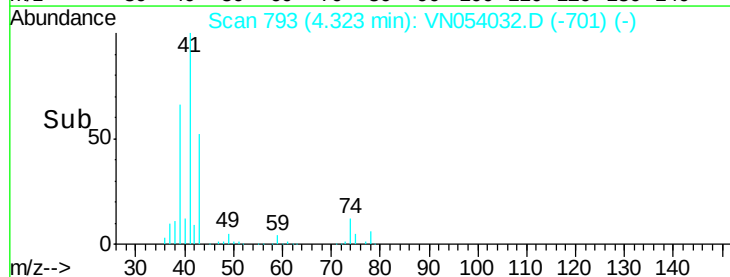
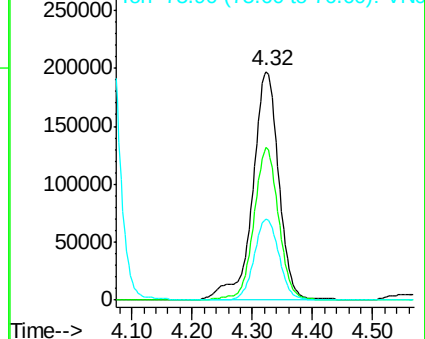
76 33.0 30.9 46.3

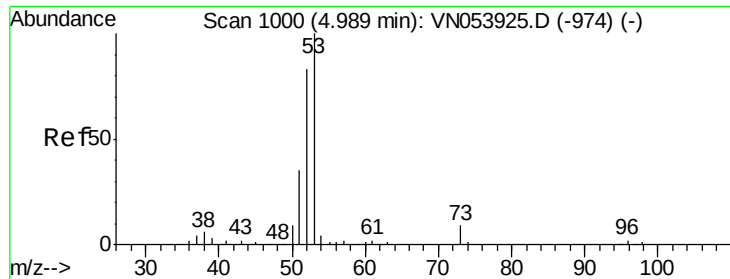


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 237.273 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

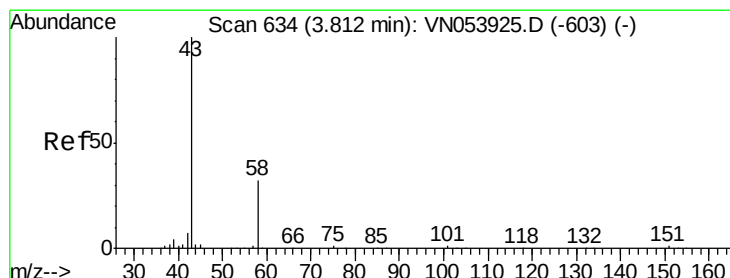
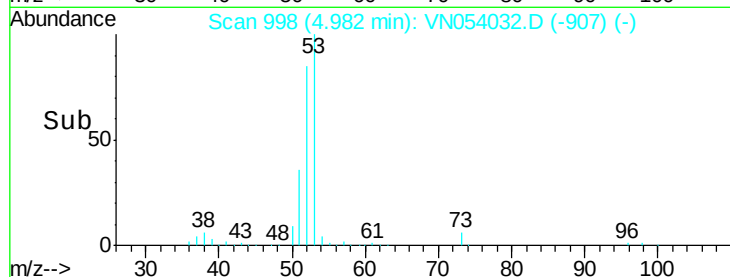
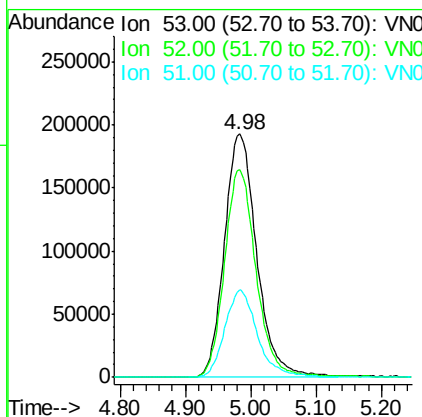
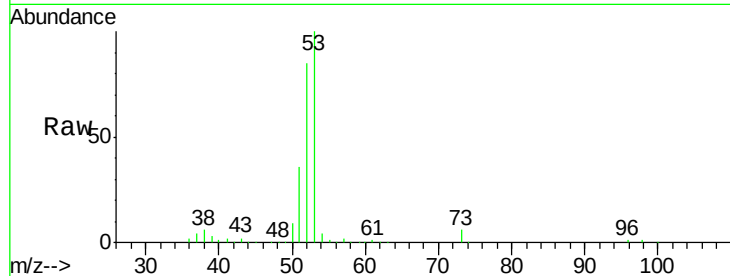
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	662832
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.1	97.7
51	36.5	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 289.085 ug/l

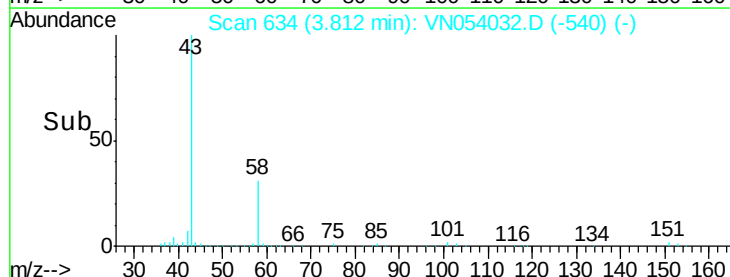
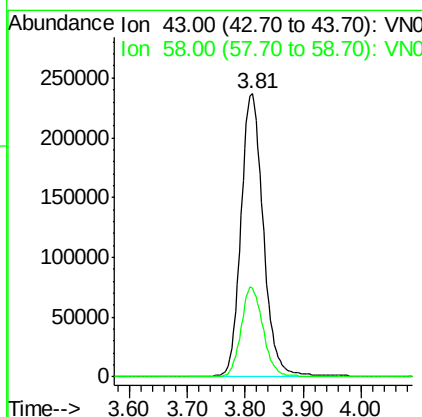
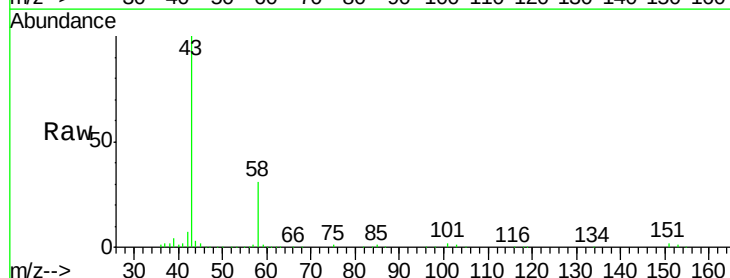
RT: 3.81 min Scan# 634

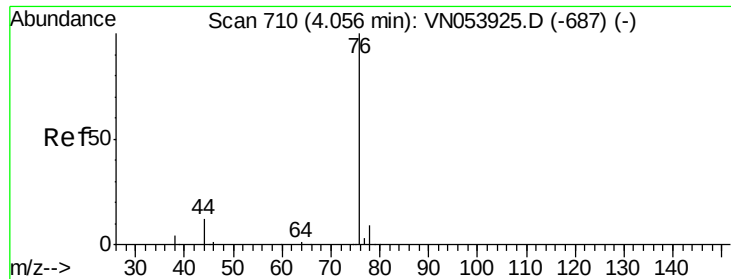
Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Tgt Ion:	43	Resp:	635607
Ion	Ratio	Lower	Upper
43	100		
58	31.1	27.6	41.4





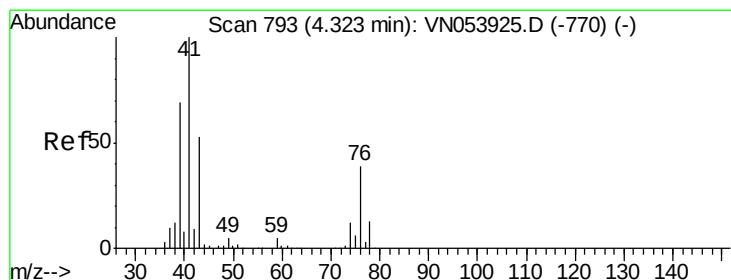
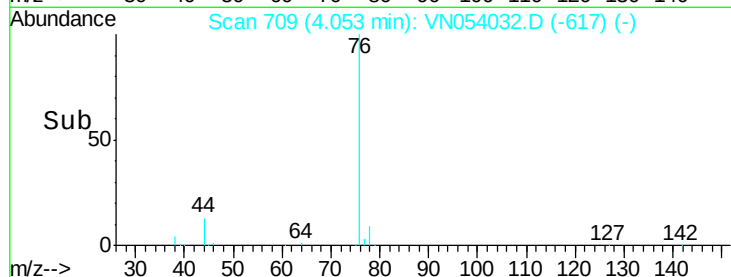
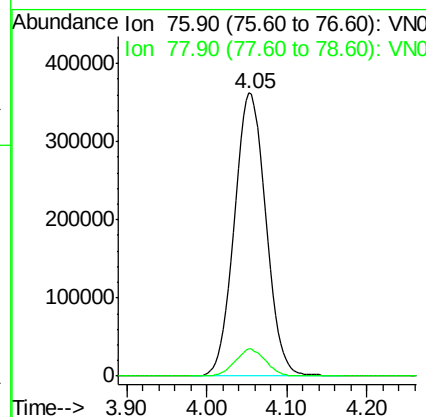
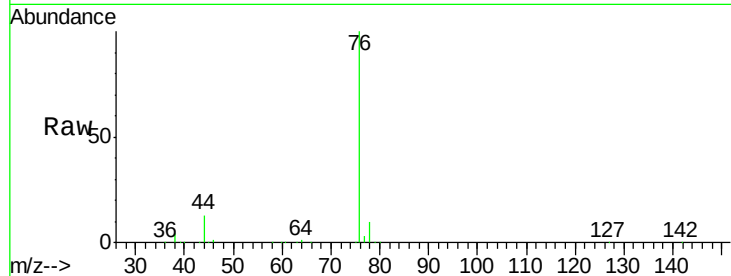
#17
Carbon Disulfide
Concen: 42.629 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.5	11.3

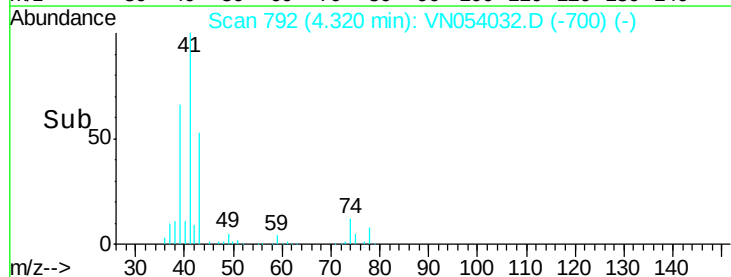
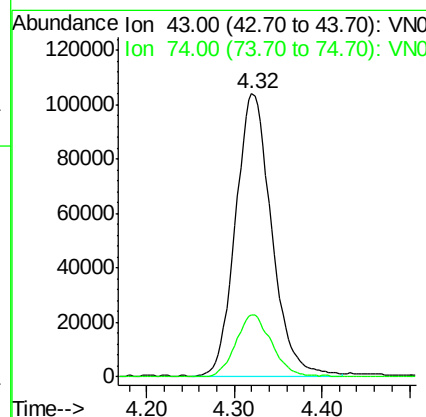
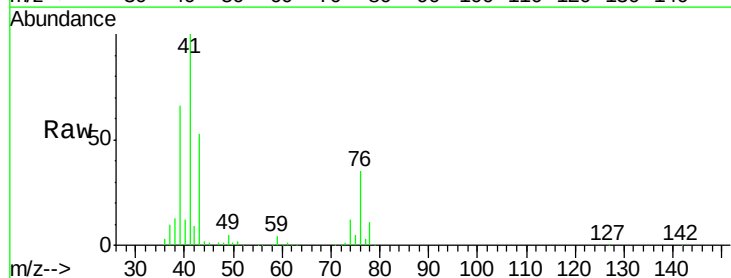
Manual Integrations
APPROVED

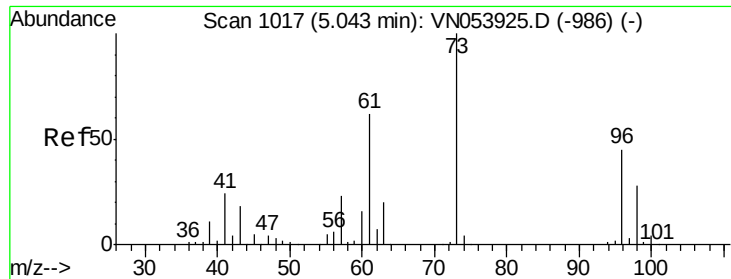
MMDadoda
3/4/2019 1:53:35 PM



#18
Methyl Acetate
Concen: 50.716 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	20.5	30.7





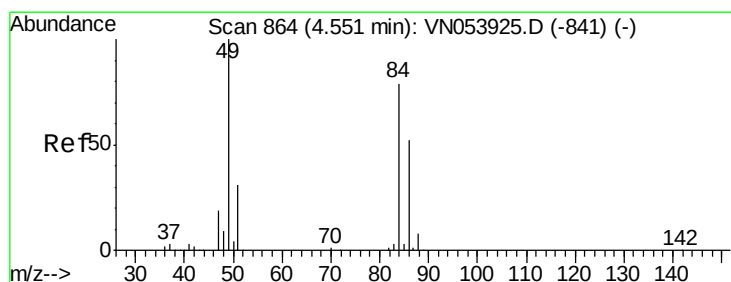
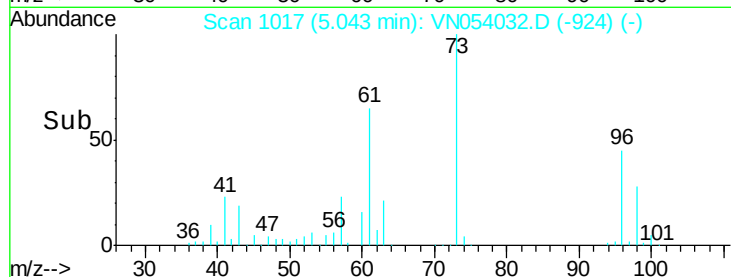
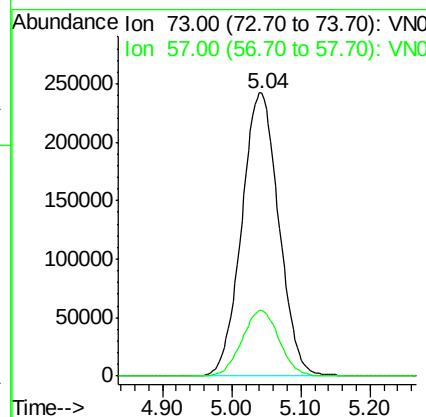
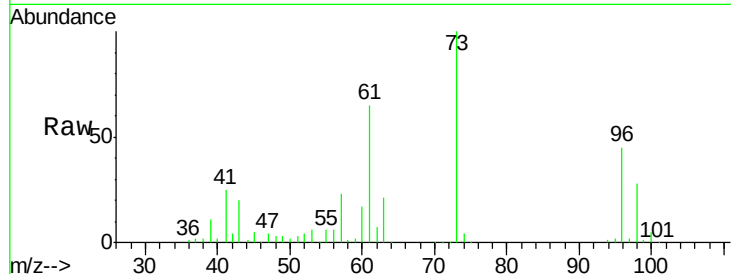
#19
Methyl tert-butyl Ether
Concen: 47.706 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 901063
Ion Ratio Lower Upper
73 100
57 23.4 18.0 27.0

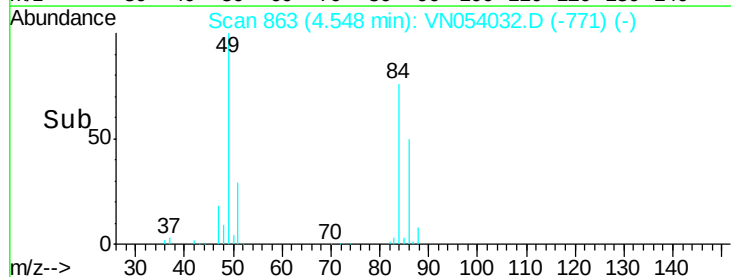
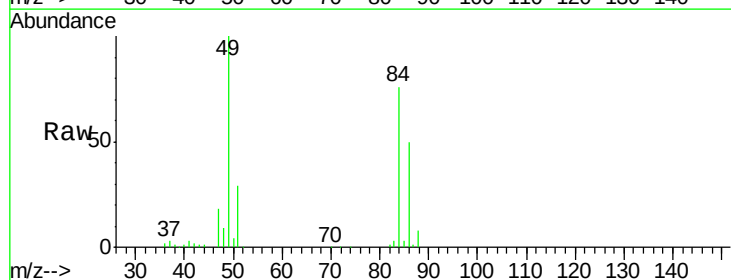
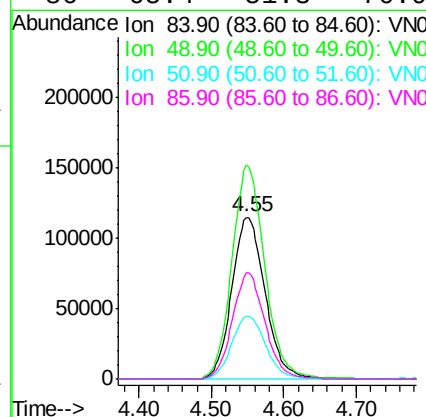
Manual Integrations
APPROVED

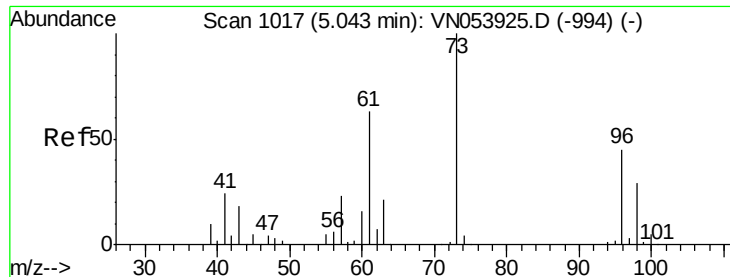
MMDadoda
3/4/2019 1:53:35 PM



#20
Methylene Chloride
Concen: 44.507 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion: 84 Resp: 368303
Ion Ratio Lower Upper
84 100
49 131.9 89.7 134.5
51 38.8 27.8 41.8
86 65.4 51.3 76.9





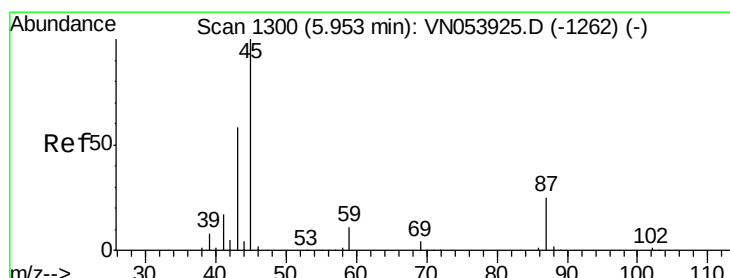
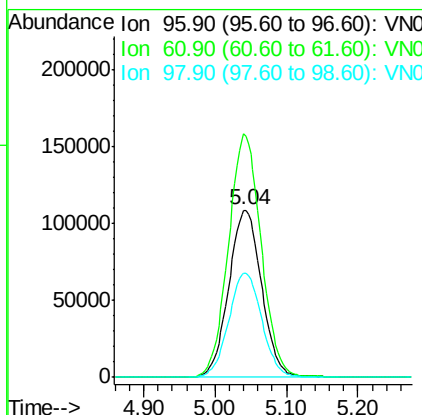
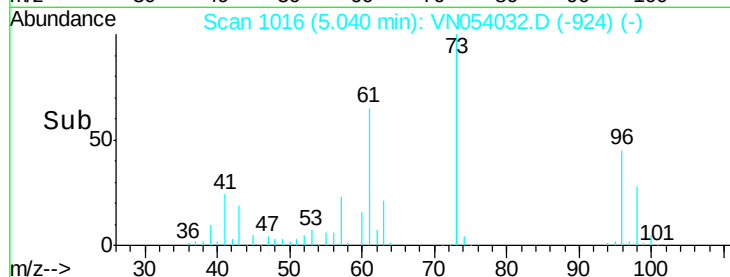
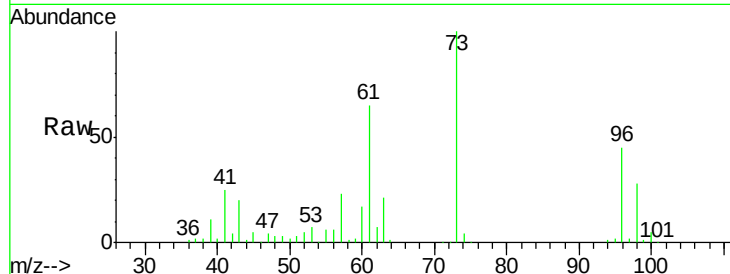
#21
trans-1,2-Dichloroethene
Concen: 45.824 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.7	104.5	156.7
98	62.1	50.6	76.0

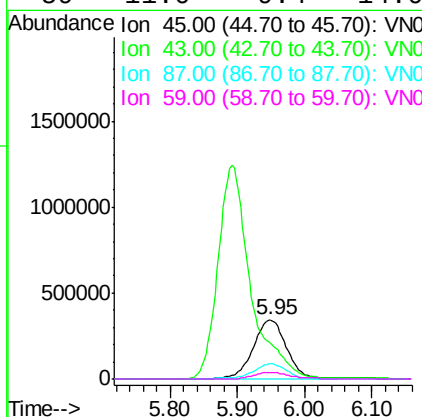
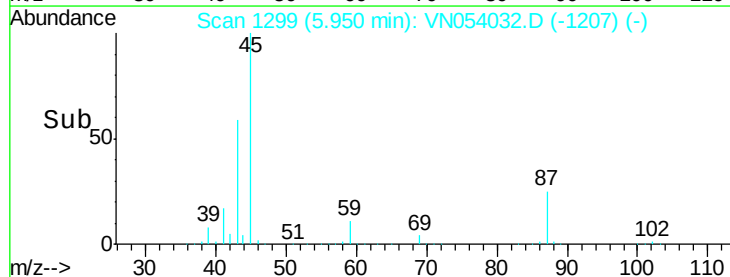
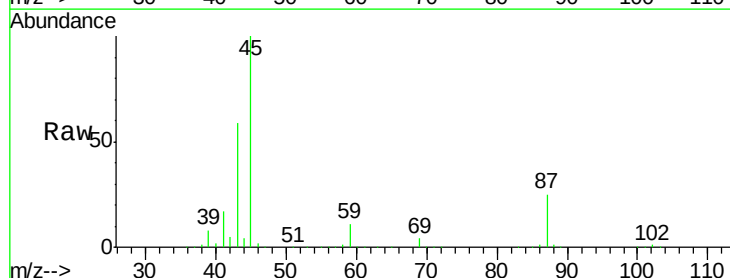
Manual Integrations
APPROVED

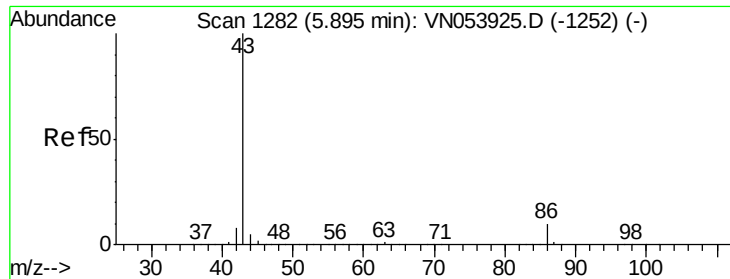
MMDadoda
3/4/2019 1:53:35 PM



#22
Diisopropyl ether
Concen: 49.925 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.6	46.2	69.4
87	25.0	23.4	35.0
59	11.0	9.4	14.0





#23

Vinyl Acetate

Concen: 245.904 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 4214470

Ion Ratio Lower Upper

43 100

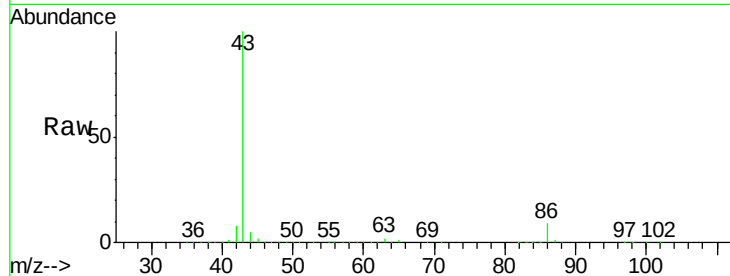
86 9.3 9.1 13.7

Manual Integrations

APPROVED

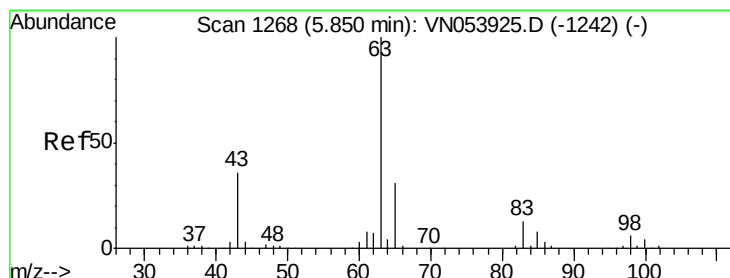
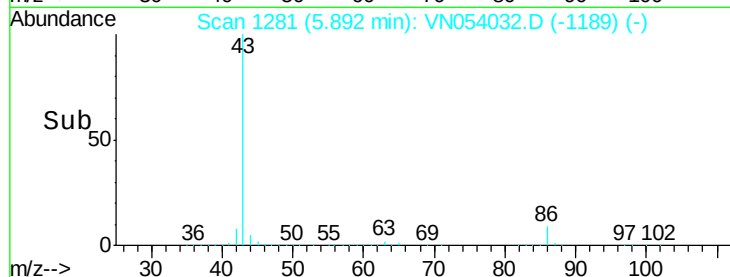
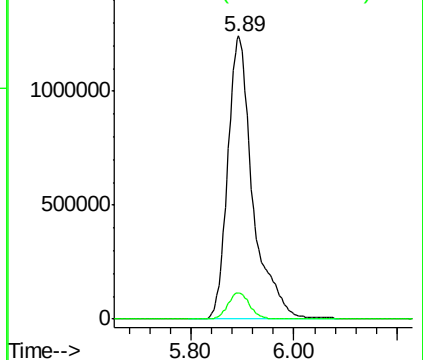
MMDadoda

3/4/2019 1:53:35 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 46.817 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

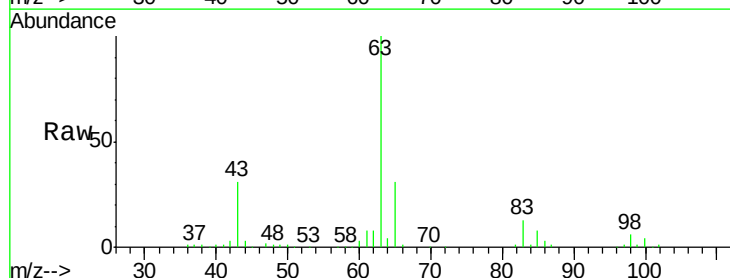
Tgt Ion: 63 Resp: 683996

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.2

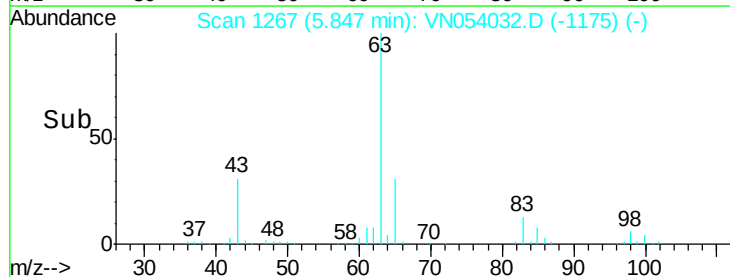
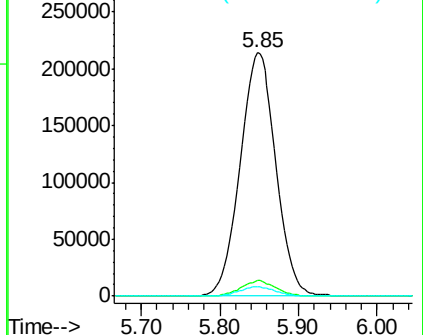
100 3.9 2.2 6.6

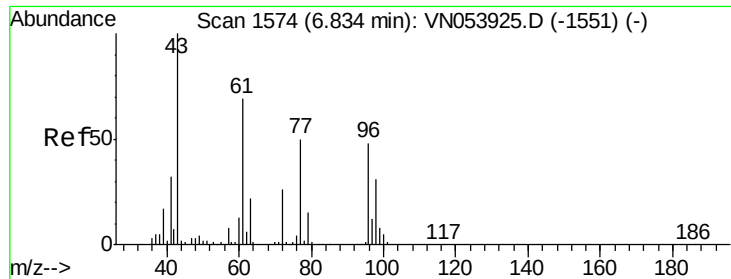


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





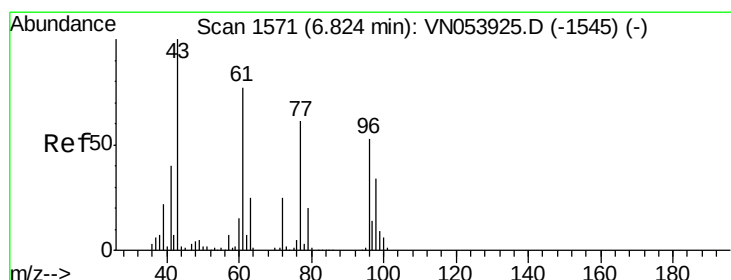
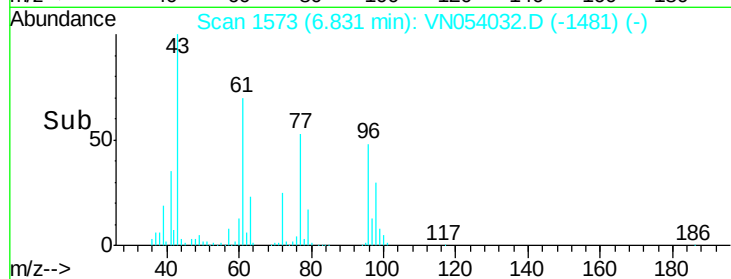
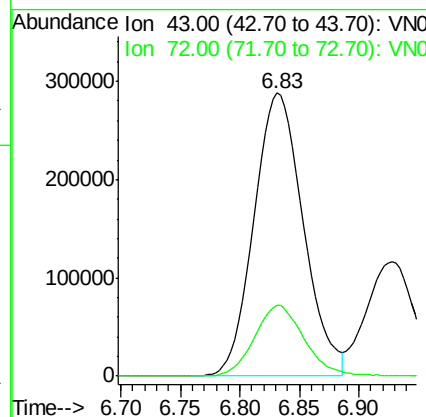
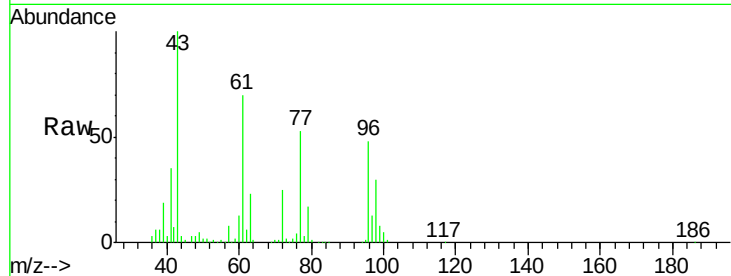
#25
2-Butanone
Concen: 251.579 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 825915
Ion Ratio Lower Upper
43 100
72 24.9 22.1 33.1

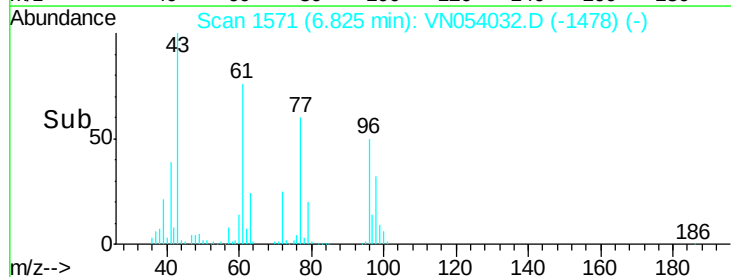
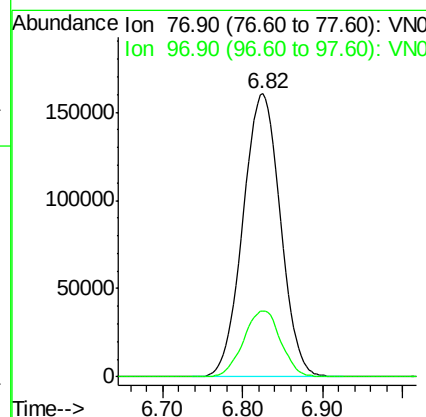
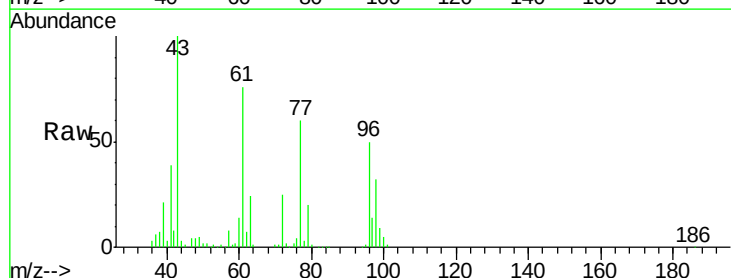
Manual Integrations
APPROVED

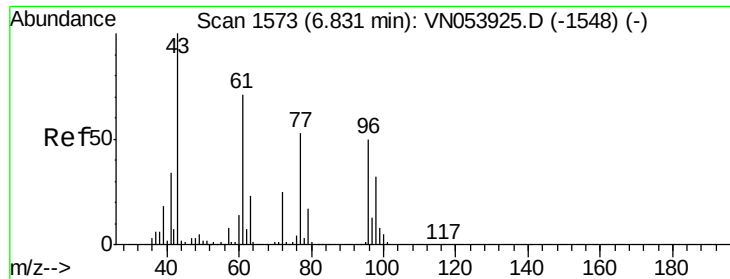
MMDadoda
3/4/2019 1:53:35 PM



#26
2,2-Dichloropropane
Concen: 49.160 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion: 77 Resp: 510275
Ion Ratio Lower Upper
77 100
97 23.3 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 46.775 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

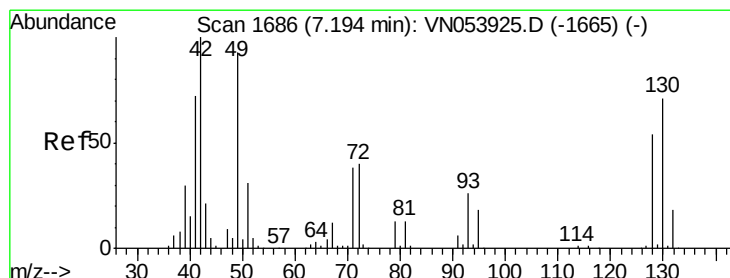
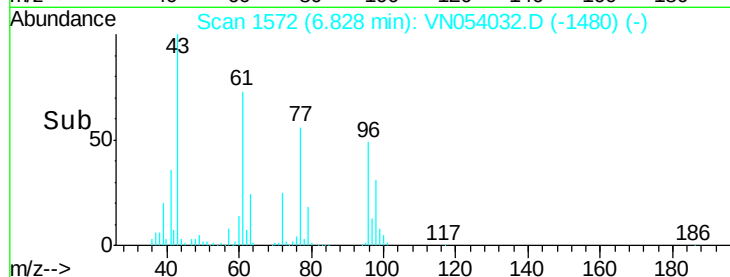
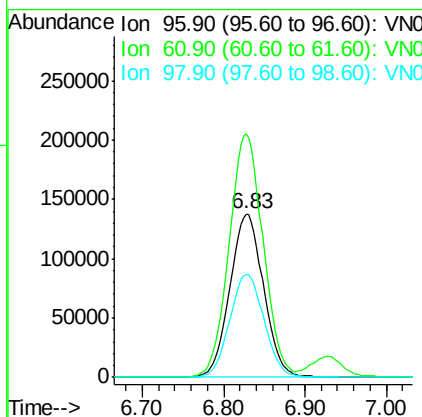
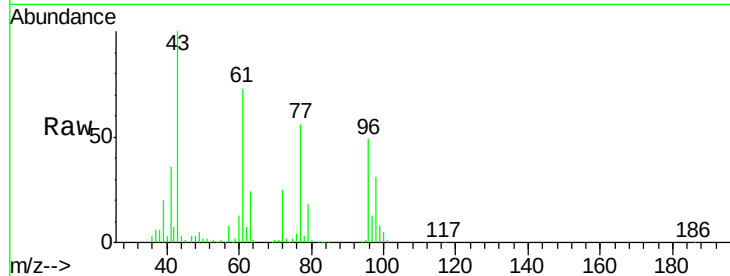
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	396425
Ion Ratio	Lower	Upper	
96	100		
61	150.4	0.0	275.6
98	64.3	0.0	130.0

Manual Integrations
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MMDadoda
3/4/2019 1:53:35 PM



#28

Bromochloromethane

Concen: 48.388 ug/l

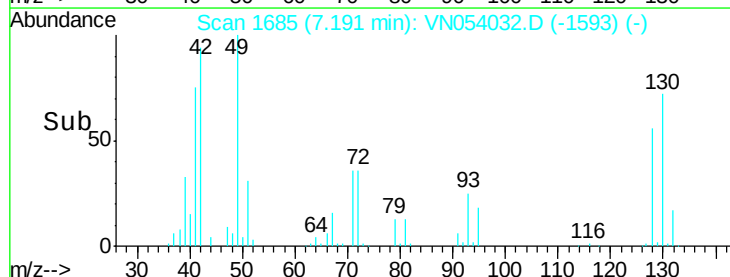
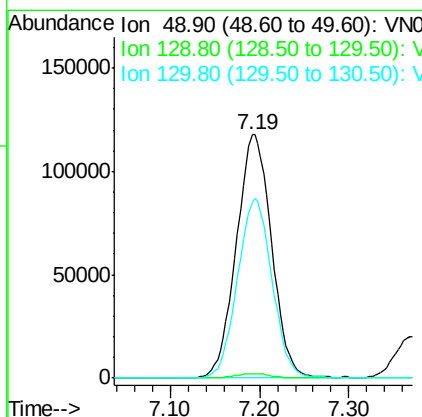
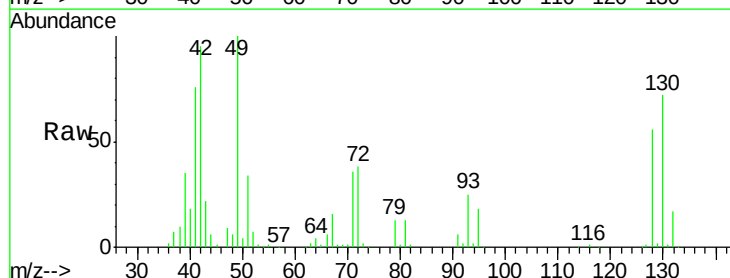
RT: 7.19 min Scan# 1685

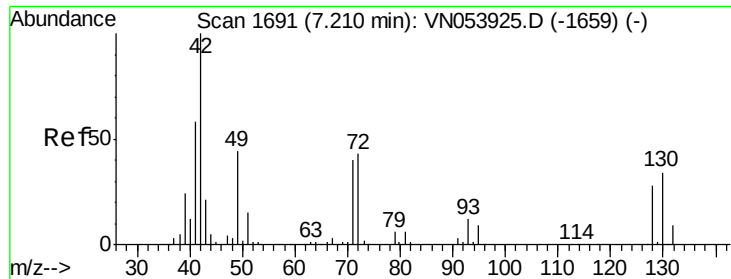
Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Tgt Ion:	49	Resp:	323586
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	4.6
130	72.3	72.9	109.3#





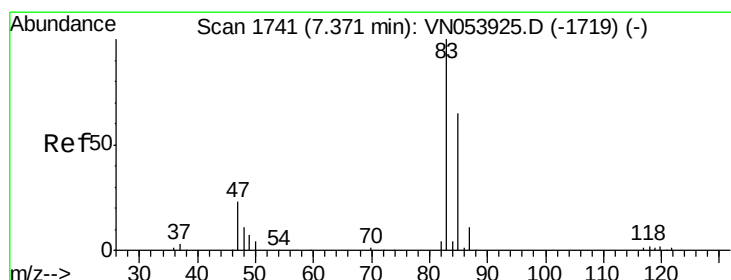
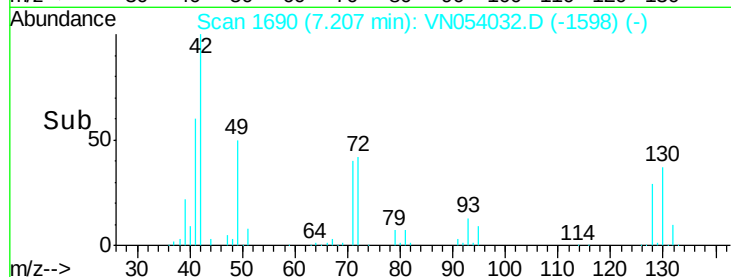
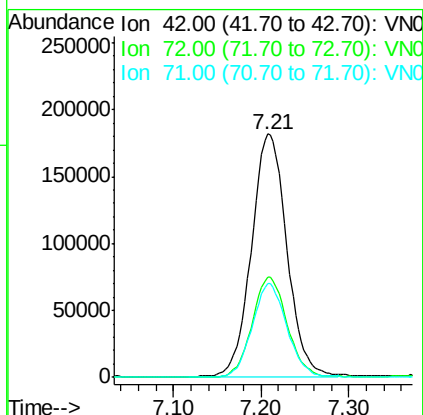
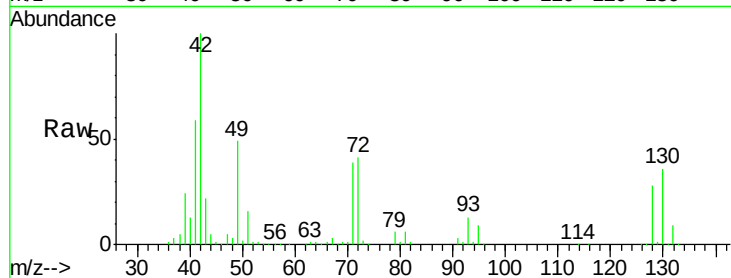
#29
Tetrahydrofuran
Concen: 233.593 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	36.9	55.3
71	38.0	34.6	52.0

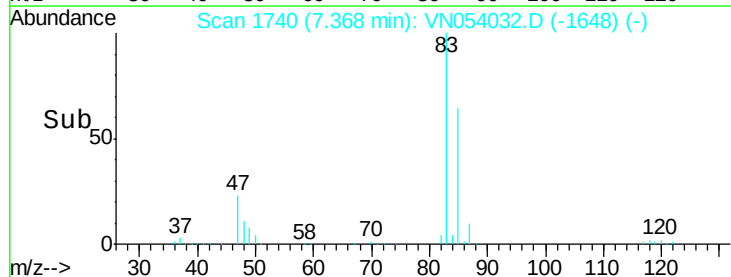
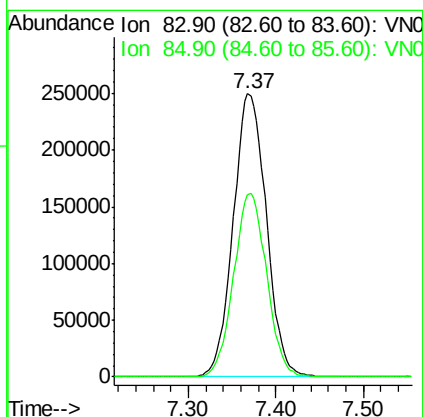
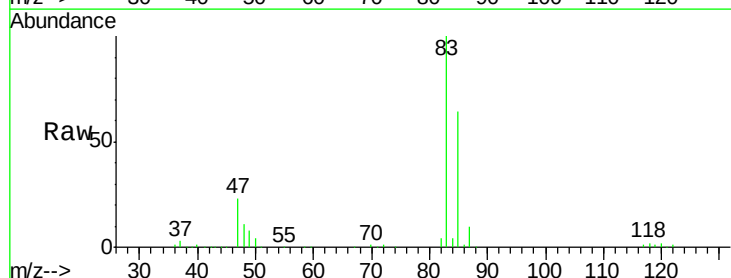
Manual Integrations
APPROVED

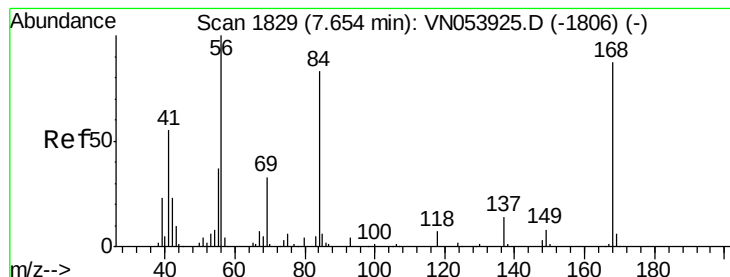
MMDadoda
3/4/2019 1:53:35 PM



#30
Chloroform
Concen: 46.369 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.6	78.8





#31

Cyclohexane

Concen: 48.236 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 645122

Ion Ratio Lower Upper

56 100

69 31.8 26.0 39.0

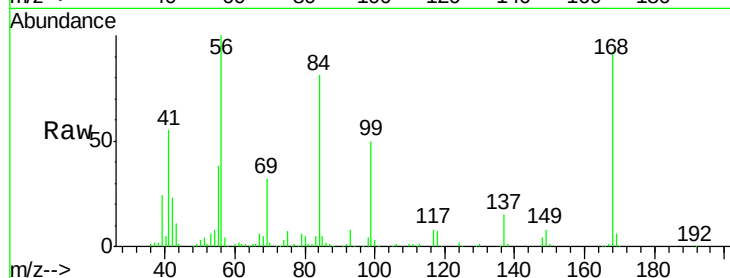
84 79.4 69.1 103.7

Manual Integrations

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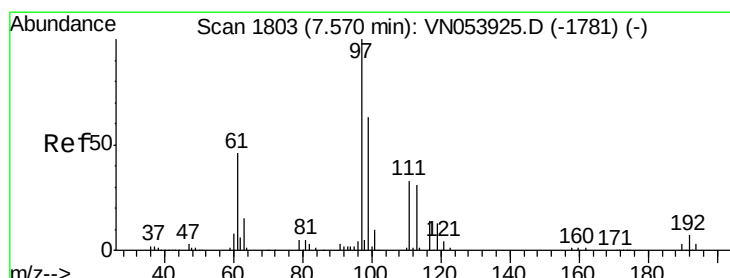
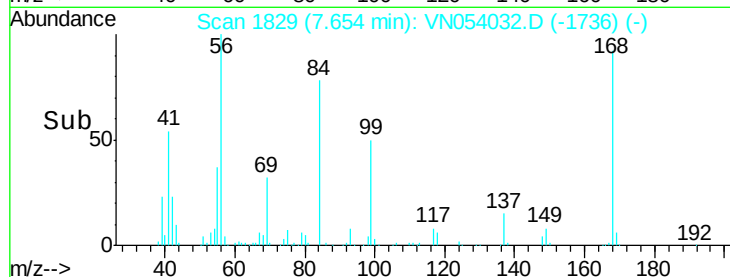
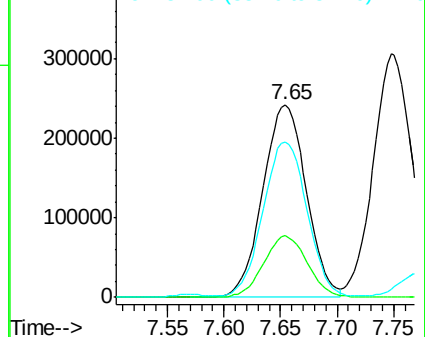


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 46.822 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

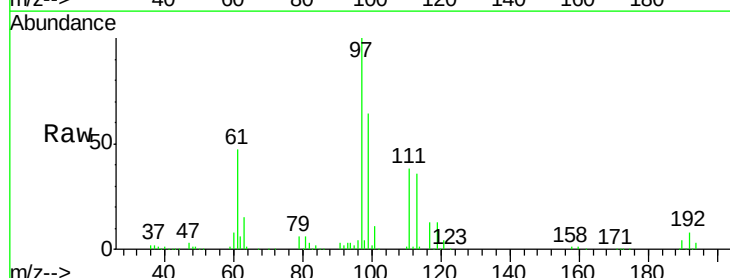
Tgt Ion: 97 Resp: 546920

Ion Ratio Lower Upper

97 100

99 63.8 51.8 77.8

61 46.3 33.2 49.8

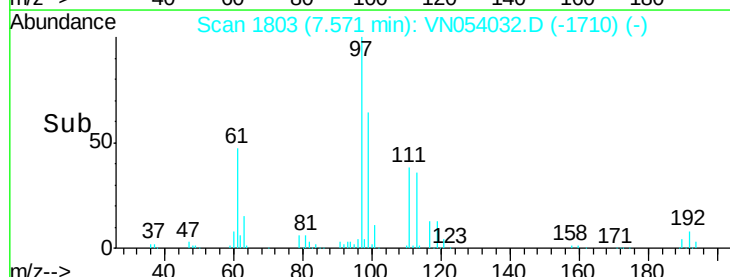
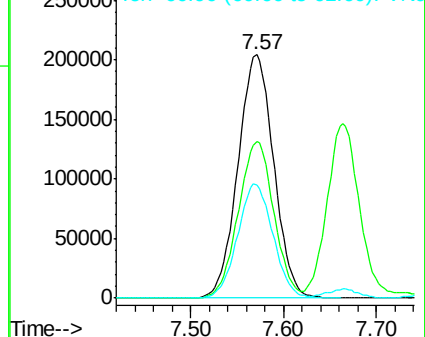


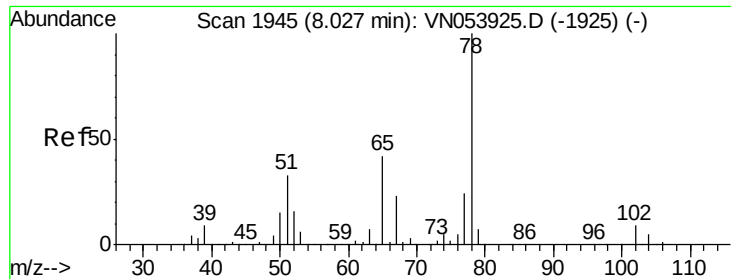
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





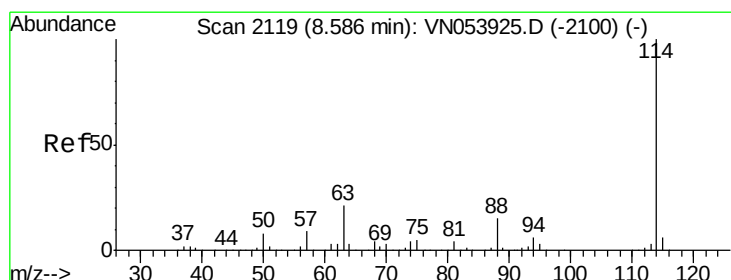
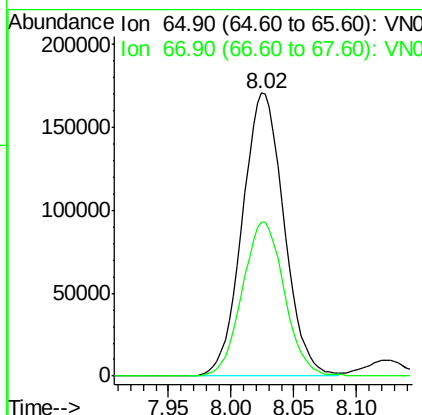
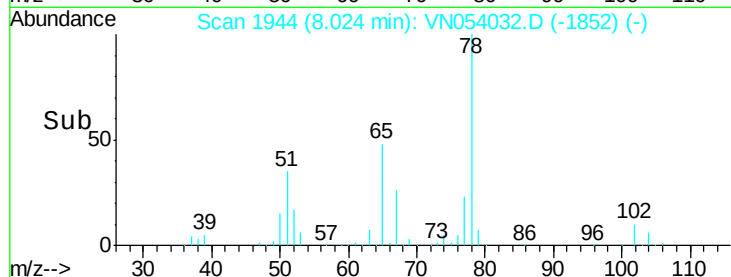
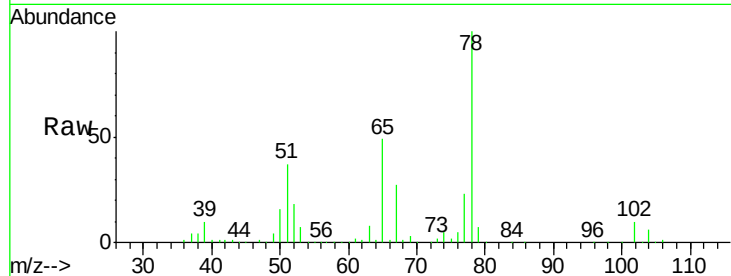
#33
 1,2-Dichloroethane-d4
 Concen: 47.297 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	395451		
67	55.0	0.0	111.8	

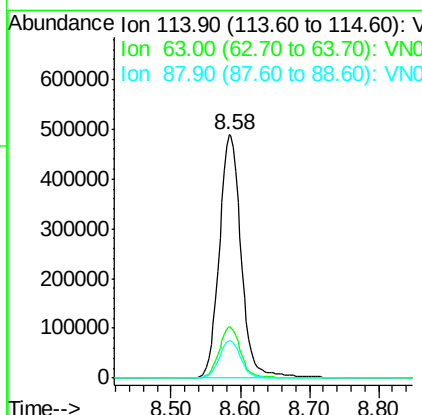
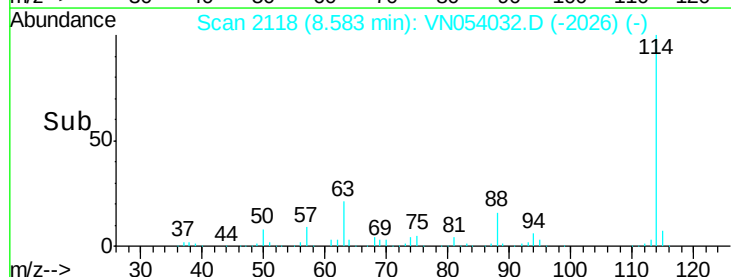
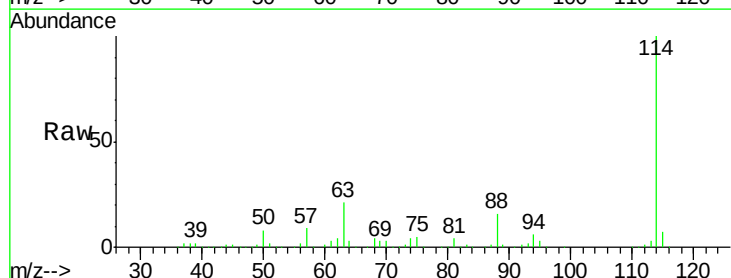
Manual Integrations
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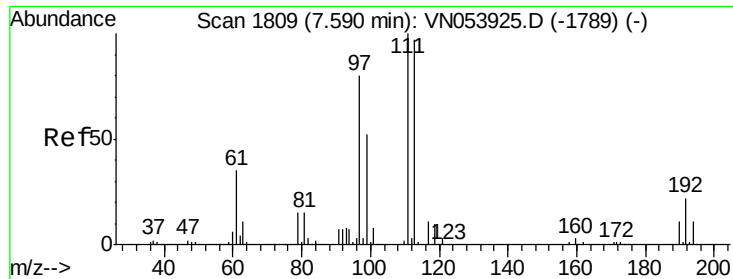
MMDadoda
 3/4/2019 1:53:35 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1070810		
63	21.1	0.0	37.4	
88	15.6	0.0	30.4	





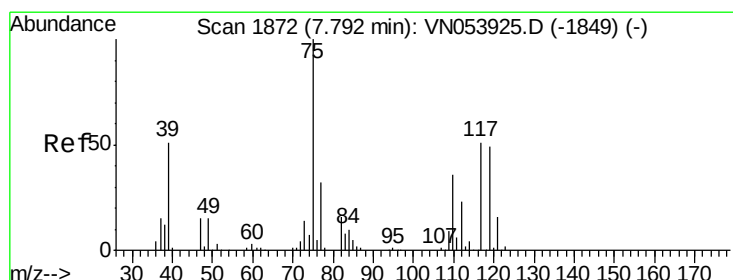
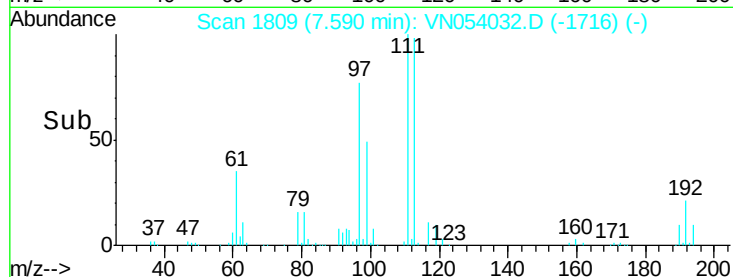
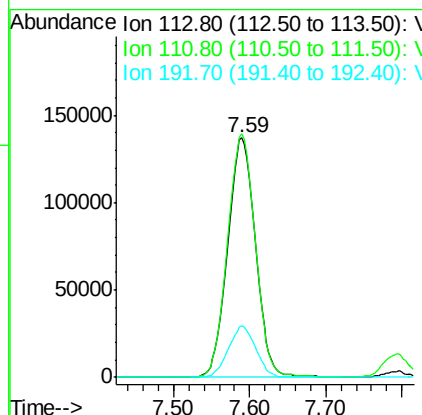
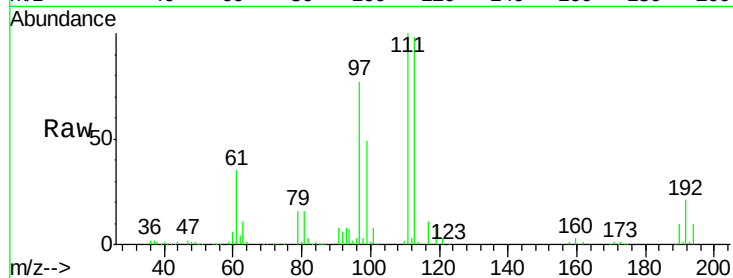
#35
 Dibromofluoromethane
 Concen: 50.594 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	350337		
111	101.7	81.1	121.7	
192	21.1	18.8	28.2	

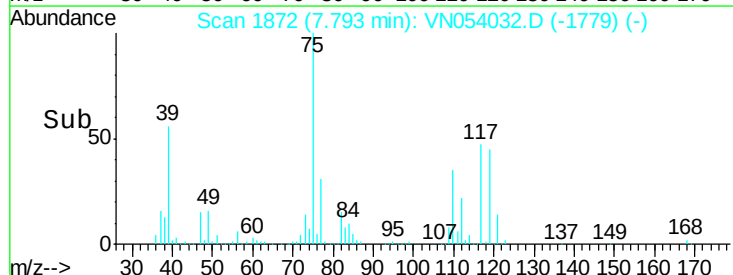
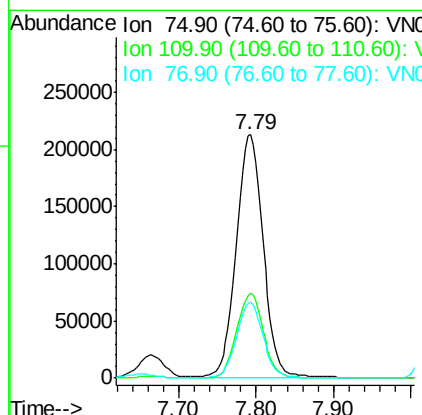
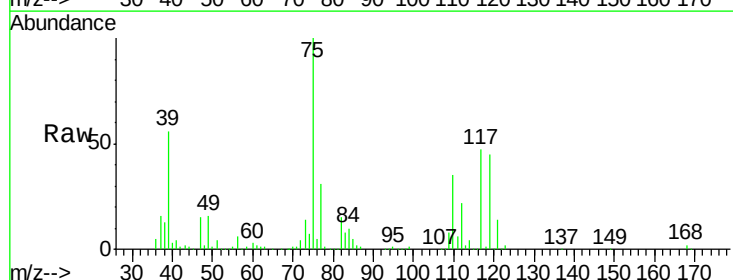
Manual Integrations
 APPROVED

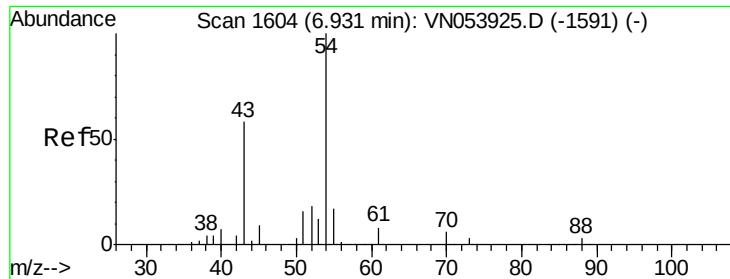
MMDadoda
 3/4/2019 1:53:35 PM



#36
 1,1-Dichloropropene
 Concen: 51.402 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	511865		
110	34.7	19.0	57.0	
77	31.1	25.4	38.0	





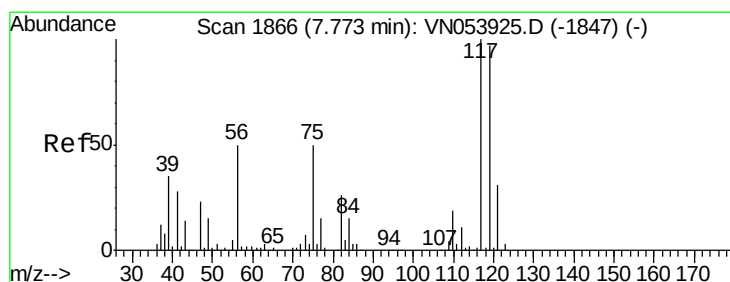
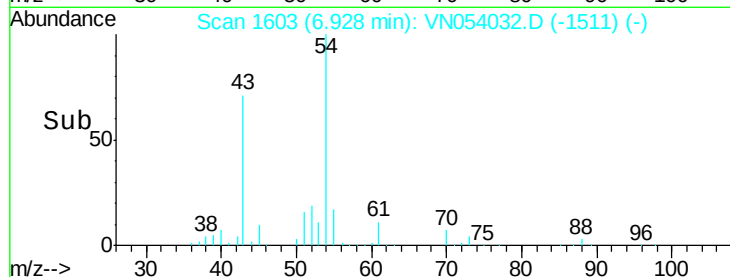
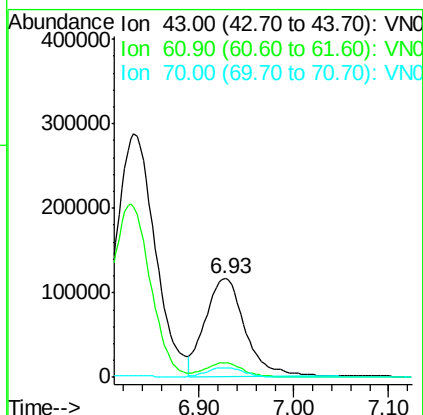
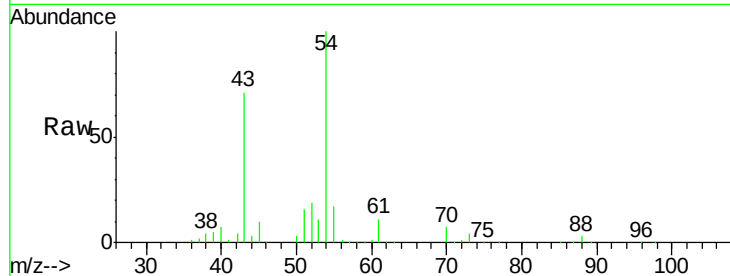
#37
Ethyl Acetate
Concen: 47.222 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	12.0	18.0
70	9.6	8.7	13.1

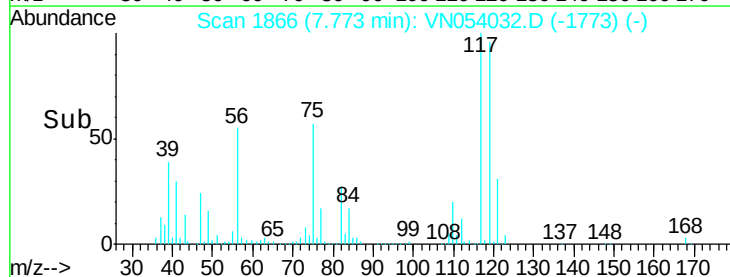
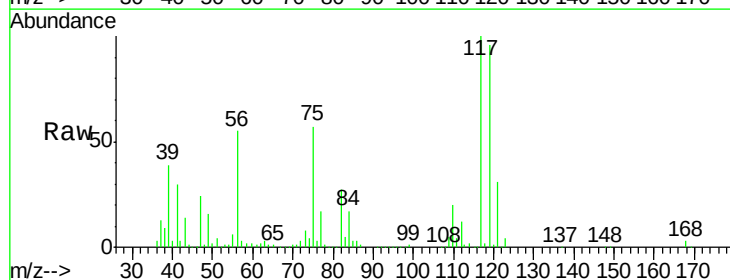
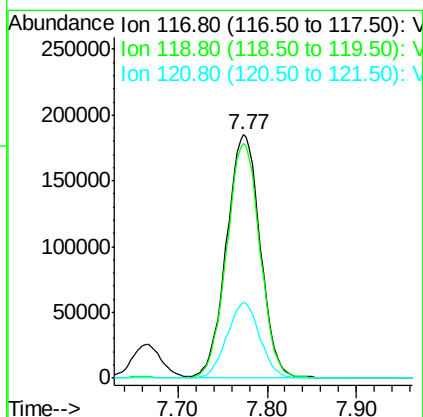
Manual Integrations
APPROVED

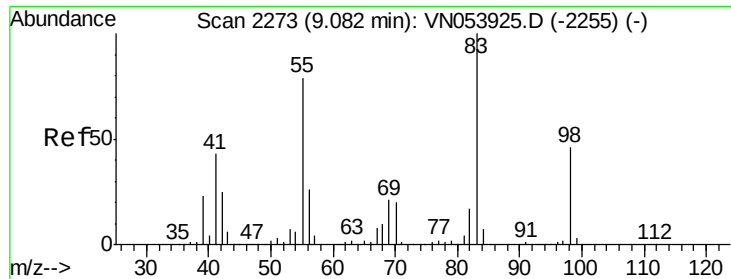
MMDadoda
3/4/2019 1:53:35 PM



#38
Carbon Tetrachloride
Concen: 46.626 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.2	114.2
121	31.2	24.6	36.8





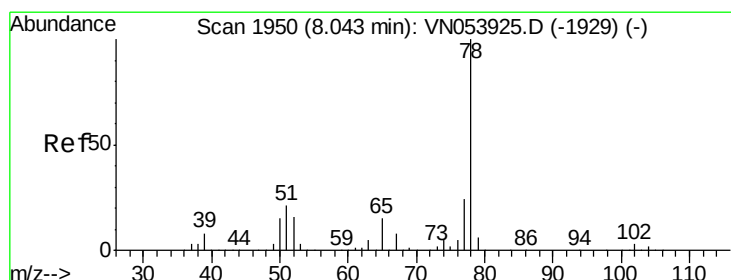
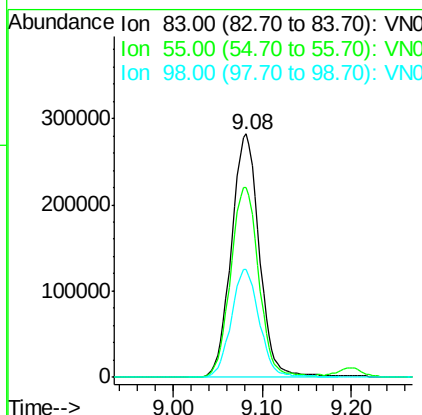
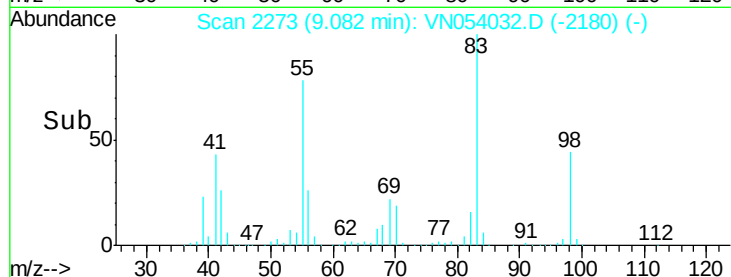
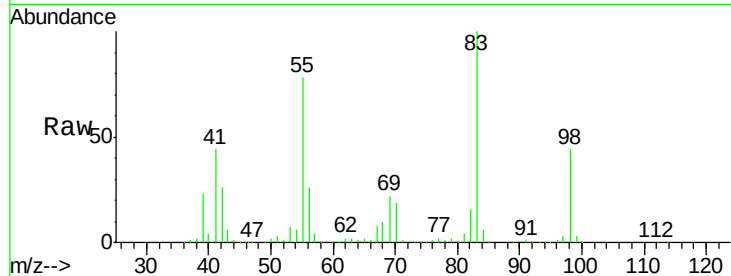
#39
Methylvlcyclohexane
Concen: 51.226 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.1	58.2	87.4
98	44.2	37.2	55.8

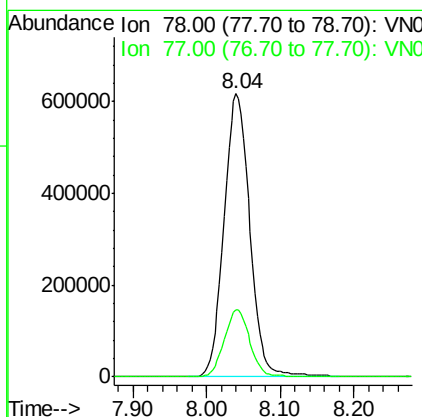
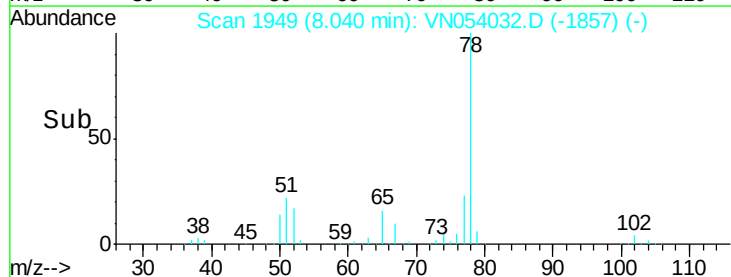
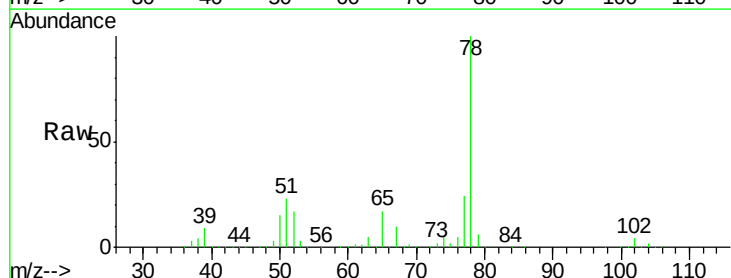
Manual Integrations
APPROVED

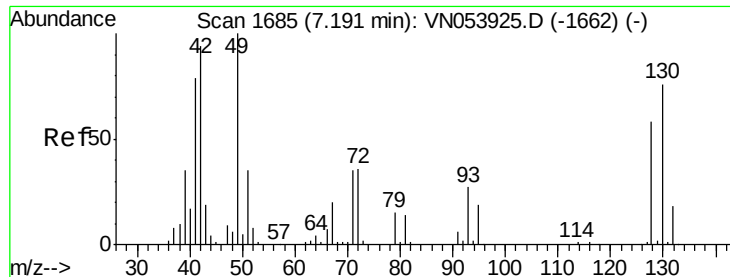
MMDadoda
3/4/2019 1:53:35 PM



#40
Benzene
Concen: 49.228 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





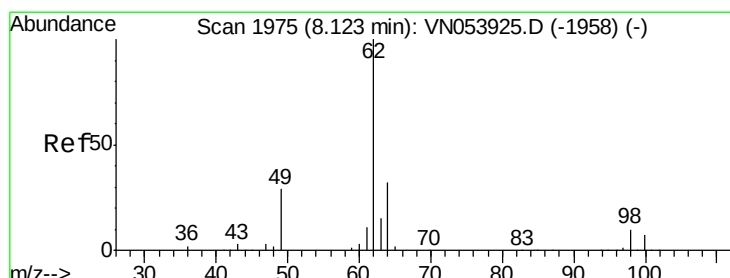
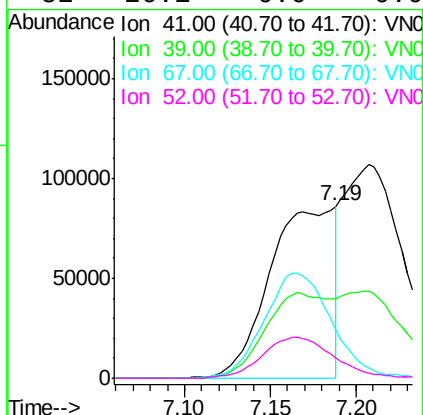
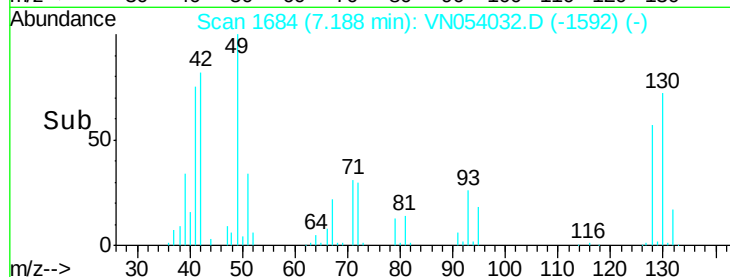
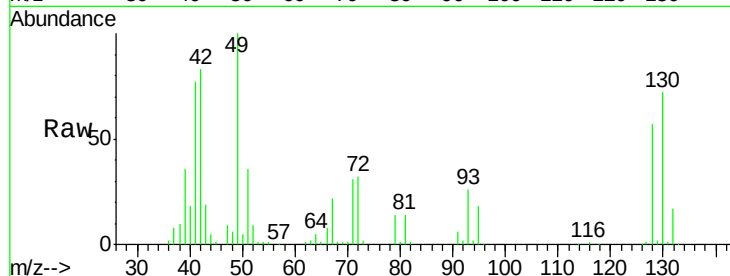
#41
Methacrylonitrile
Concen: 49.196 ug/l m
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	225245
Ion	Ratio	Lower	Upper
41	100		
39	47.0	0.0	0.0#
67	64.4	0.0	0.0#
52	26.1	0.0	0.0#

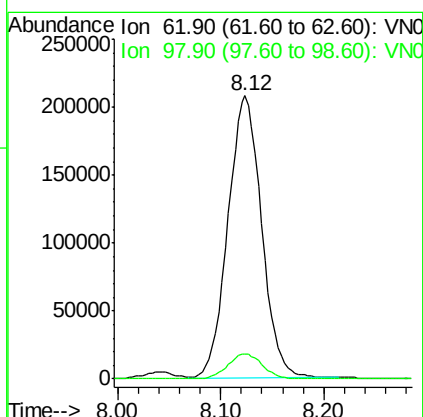
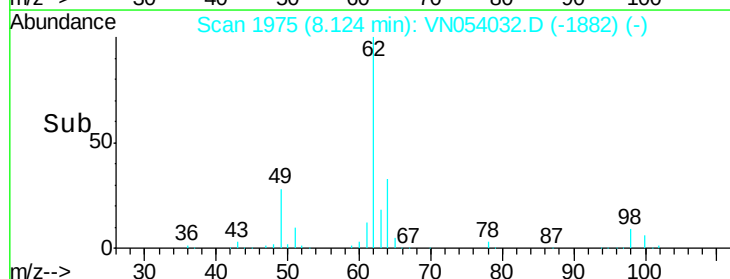
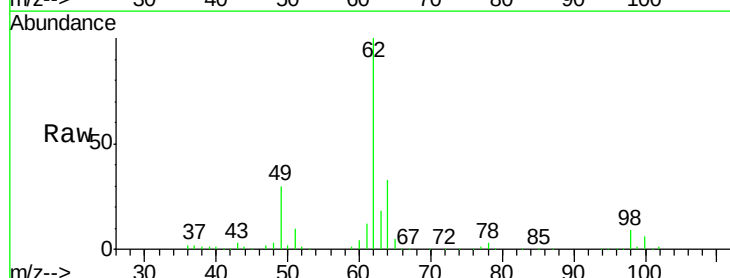
Manual Integrations
APPROVED

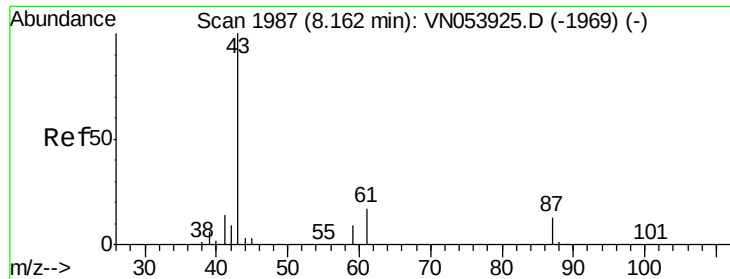
MMDadoda
3/4/2019 1:53:35 PM



#42
1,2-Dichloroethane
Concen: 49.876 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion	62	Resp	472381
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	20.8





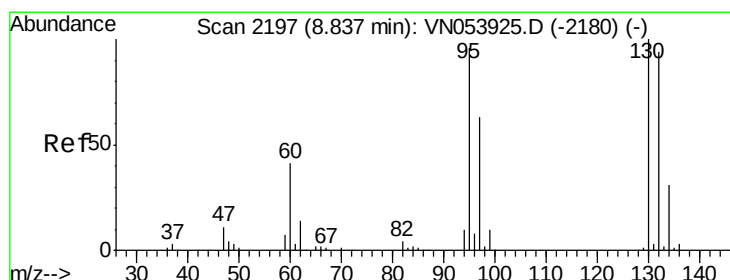
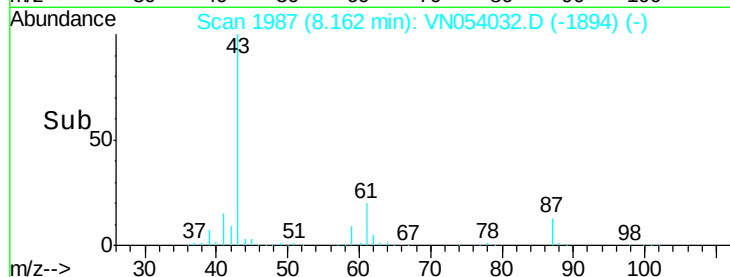
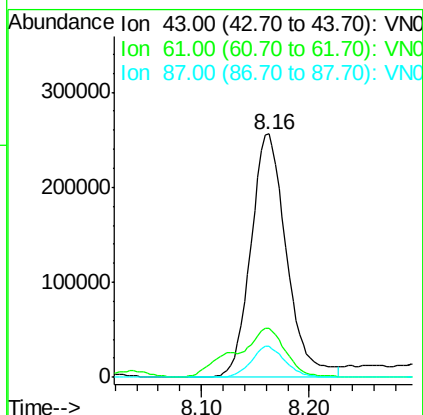
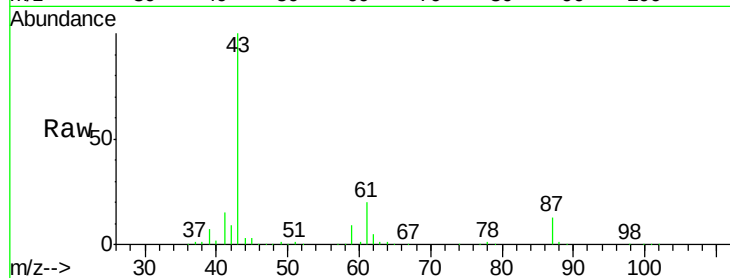
#43
Isopropyl Acetate
Concen: 48.789 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.5	17.4	26.0
87	12.2	11.5	17.3

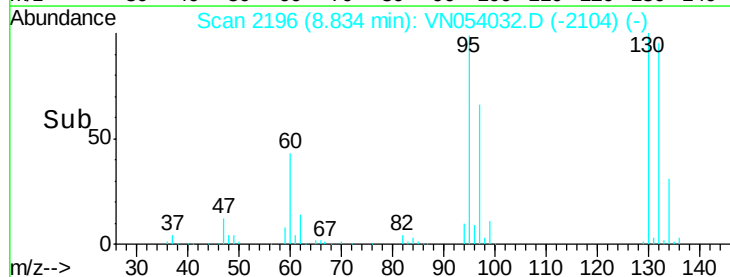
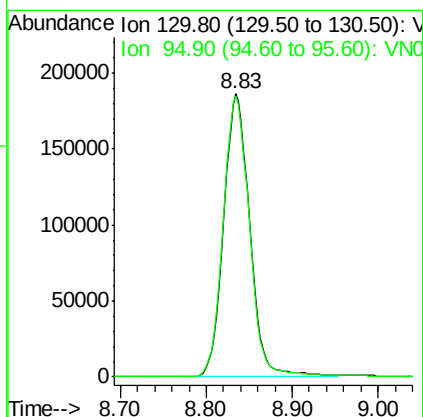
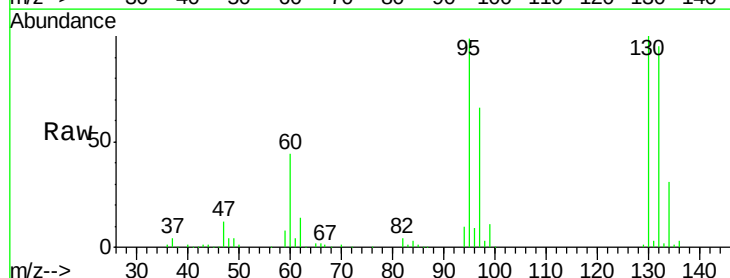
Manual Integrations
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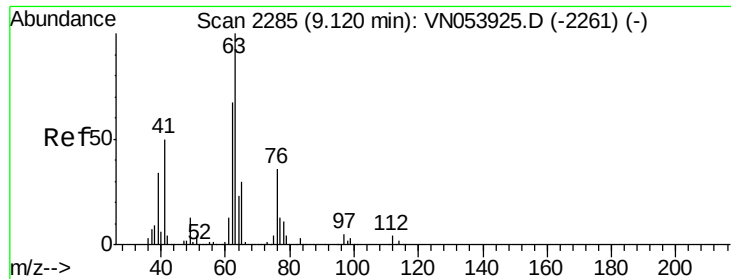
MMDadoda
3/4/2019 1:53:35 PM



#44
Trichloroethene
Concen: 48.552 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	190.0





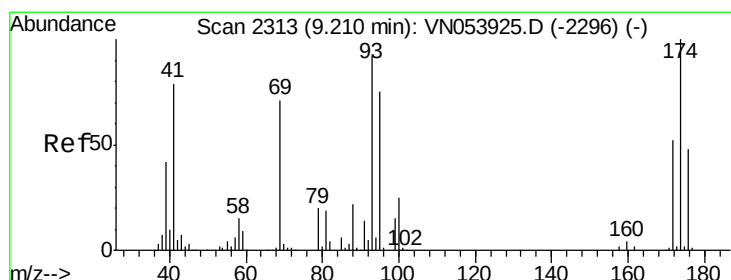
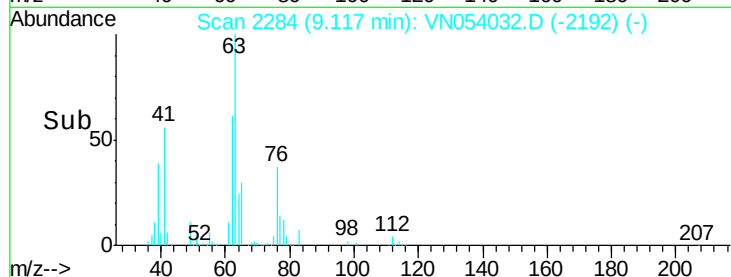
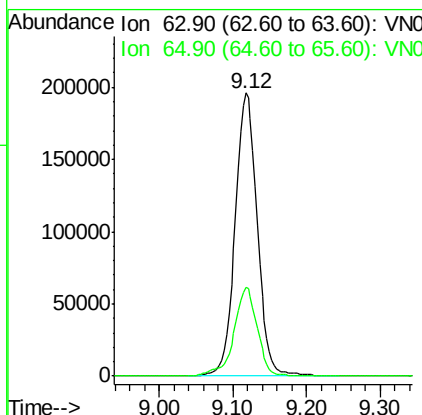
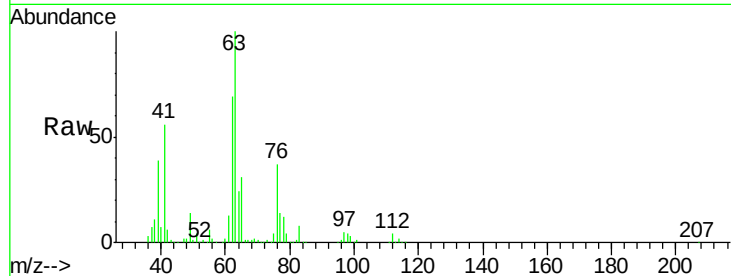
#45
 1,2-Dichloropropane
 Concen: 49.742 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 410545
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.3 36.5

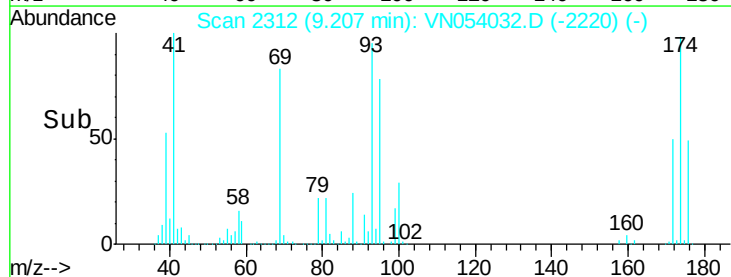
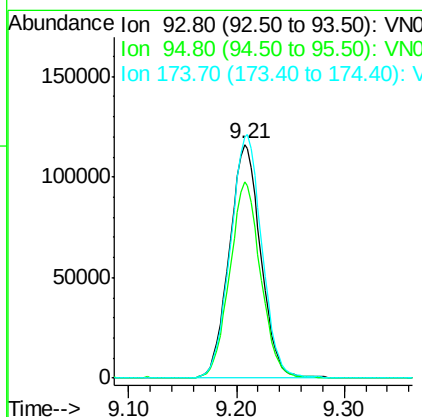
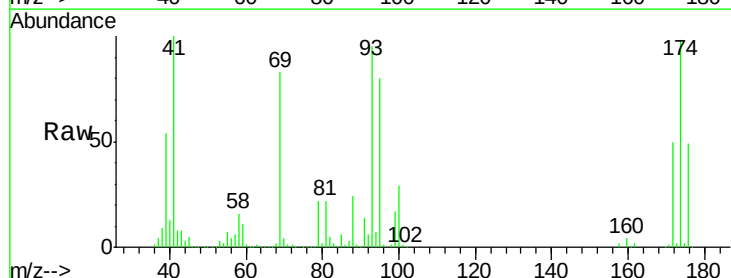
Manual Integrations
 APPROVED

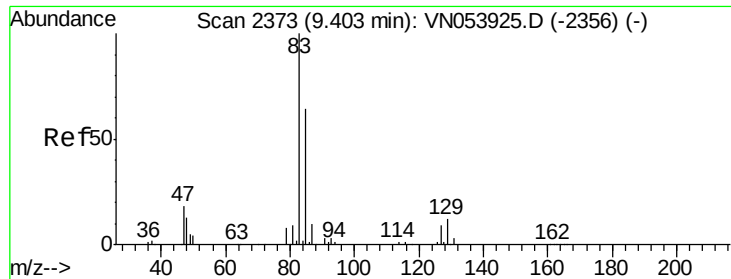
MMDadoda
 3/4/2019 1:53:35 PM



#46
 Dibromomethane
 Concen: 49.307 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Tgt Ion: 93 Resp: 236260
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.6 100.0
 174 104.6 96.2 144.4





#47

Bromodichloromethane

Concen: 49.660 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

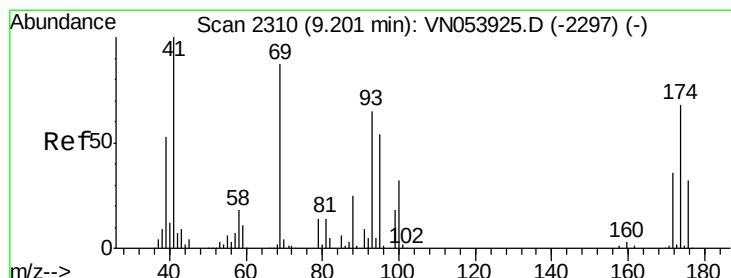
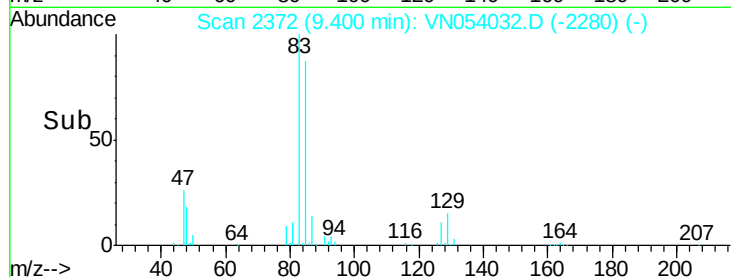
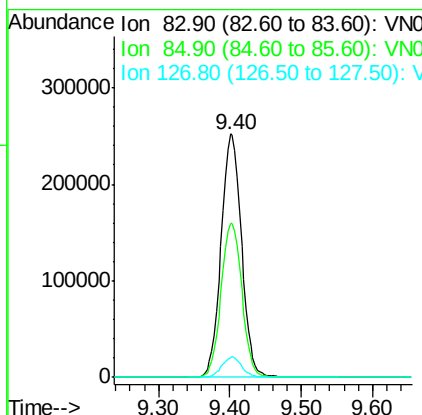
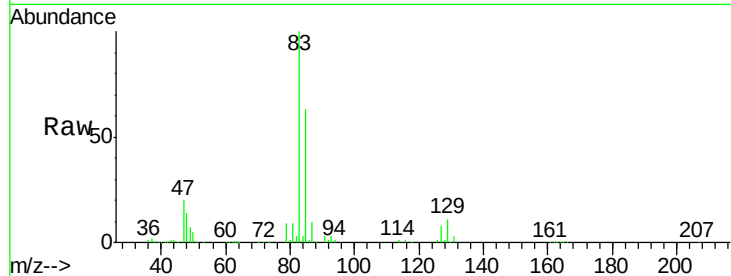
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	501465
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.8	77.6
127	8.3	7.4	11.0

Manual Integrations
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3/4/2019 1:53:35 PM



#48

Methyl methacrylate

Concen: 52.012 ug/l

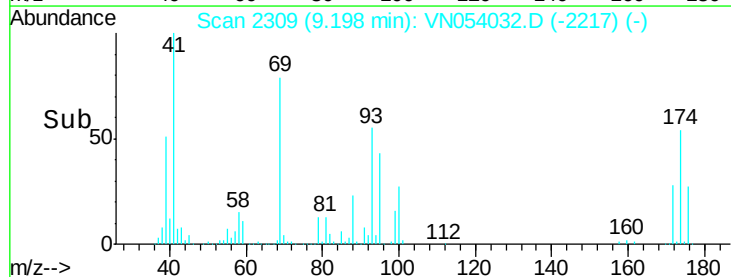
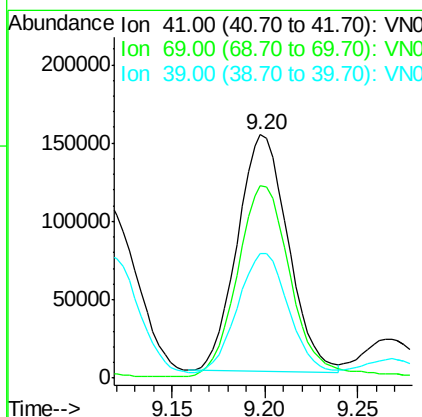
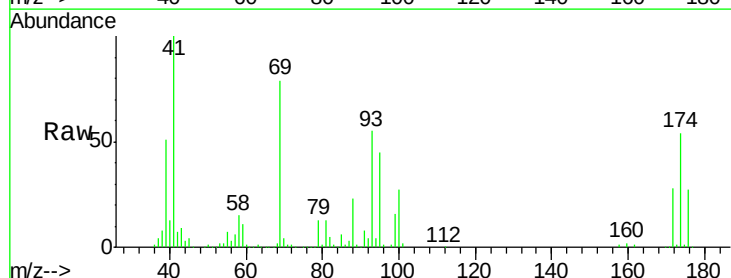
RT: 9.20 min Scan# 2309

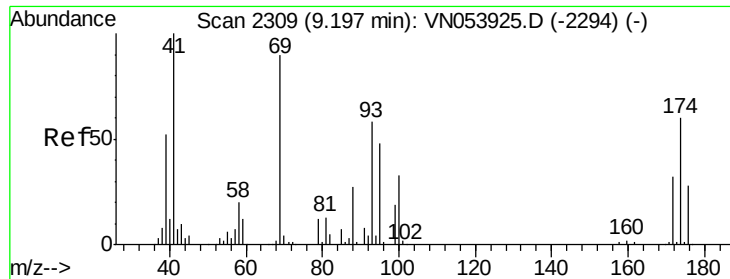
Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Tgt Ion:	41	Resp:	287218
Ion	Ratio	Lower	Upper
41	100		
69	87.8	74.8	112.2
39	55.8	39.0	58.6





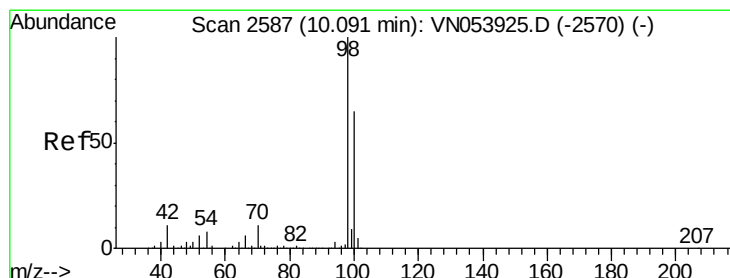
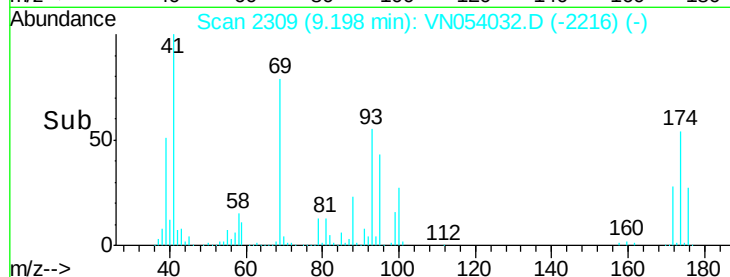
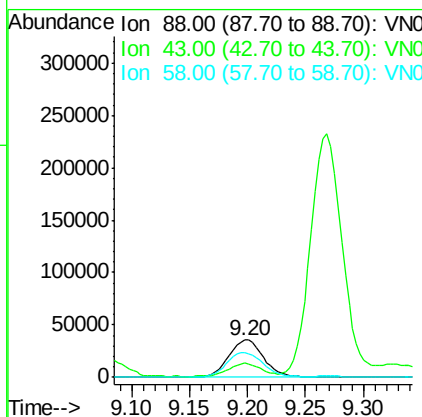
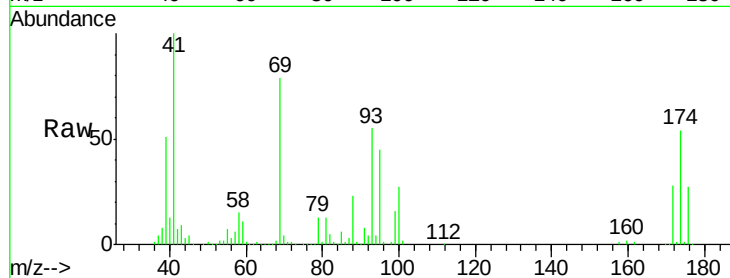
#49
1,4-Dioxane
Concen: 1012.754 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 75748
Ion Ratio Lower Upper
88 100
43 32.5 21.2 31.8#
58 70.1 54.2 81.2

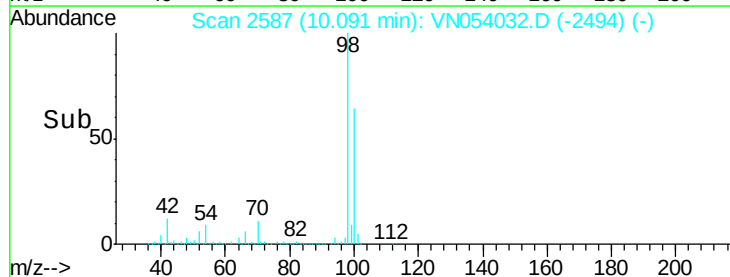
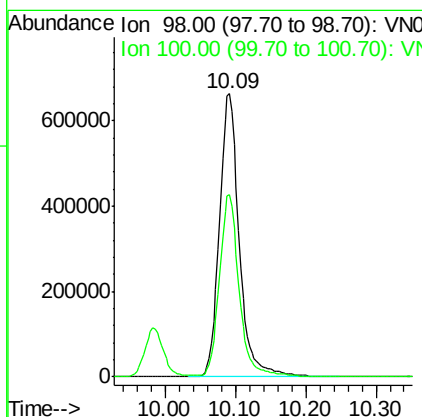
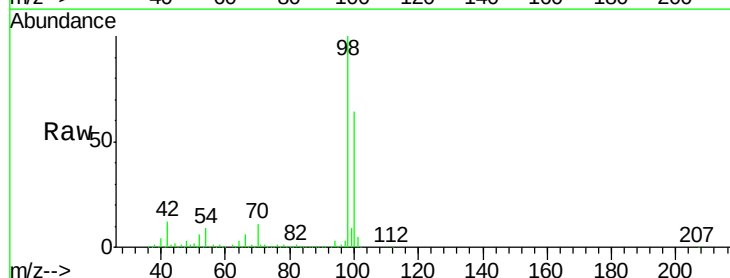
Manual Integrations
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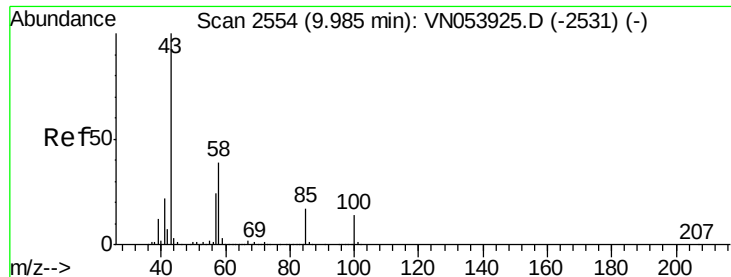
MMDadoda
3/4/2019 1:53:35 PM



#50
Toluene-d8
Concen: 50.462 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion: 98 Resp: 1300737
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 265.996 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1640993

Ion Ratio Lower Upper

43 100

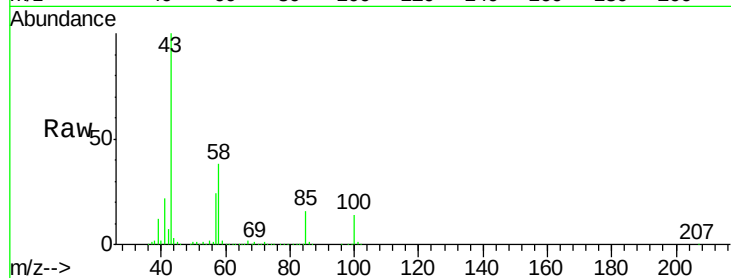
58 38.2 32.7 49.1

Manual Integrations

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3/4/2019 1:53:35 PM



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN053925.D (-2531) (-)

9.98

800000

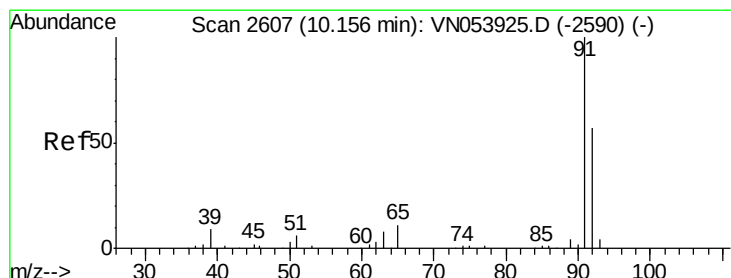
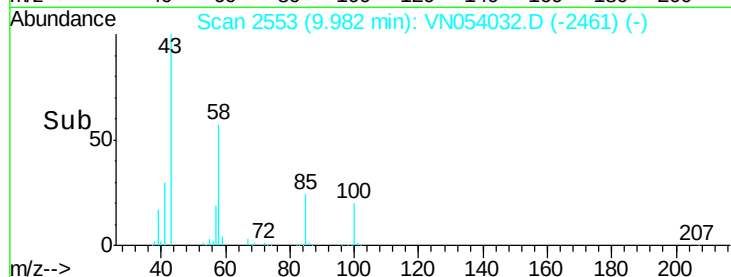
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.310 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054032.D

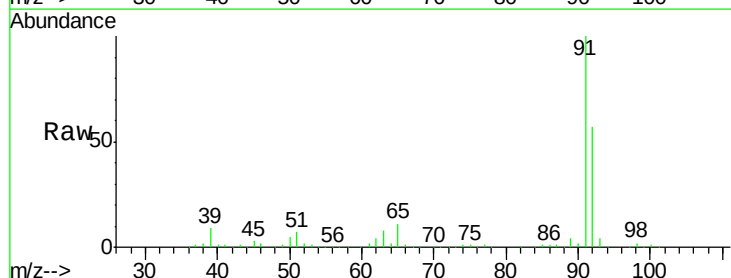
Acq: 1 Mar 2019 16:27

Tgt Ion: 92 Resp: 906259

Ion Ratio Lower Upper

92 100

91 175.5 138.4 207.6



Abundance Ion 92.00 (91.70 to 92.70): VN053925.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN053925.D (-2590) (-)

10.16

800000

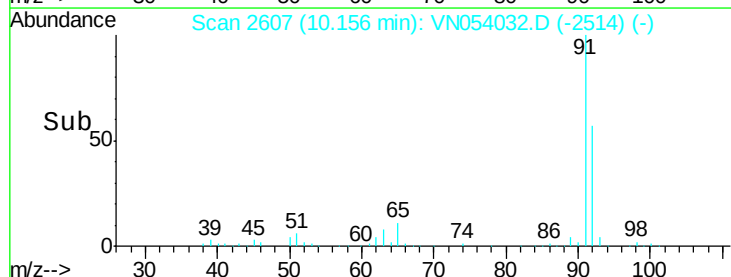
600000

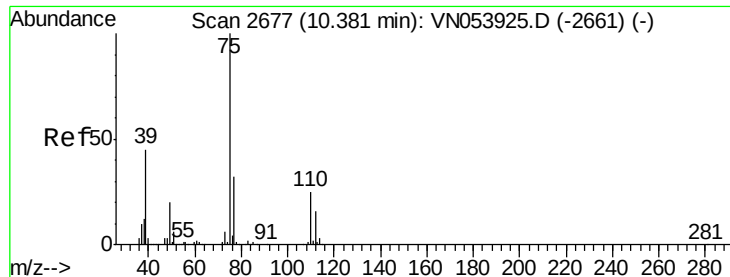
400000

200000

0

Time-->





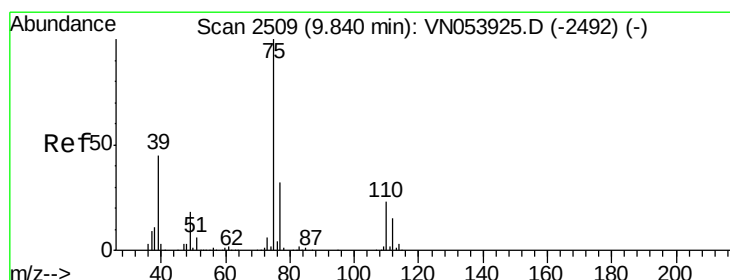
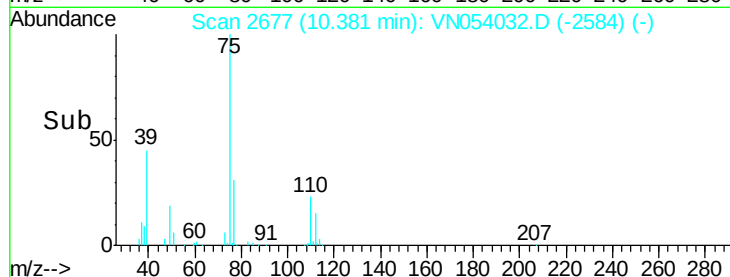
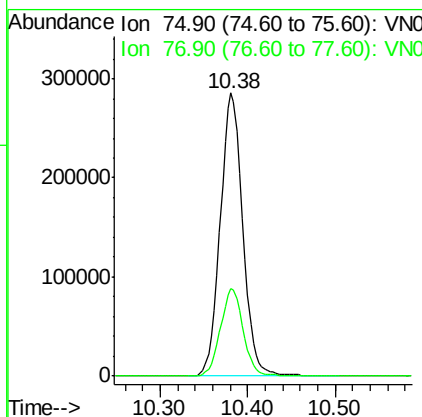
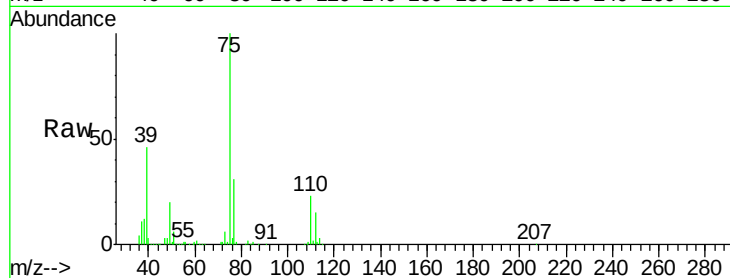
#53
t-1,3-Dichloropropene
Concen: 51.963 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 510549
Ion Ratio Lower Upper
75 100
77 30.7 25.0 37.6

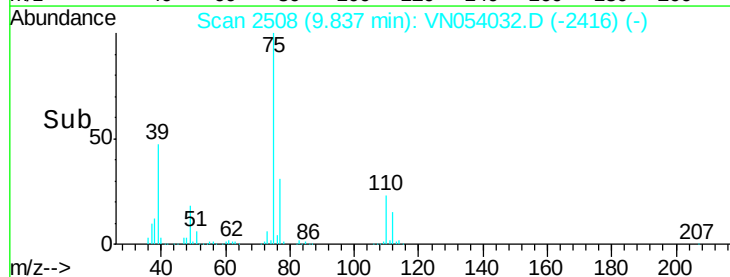
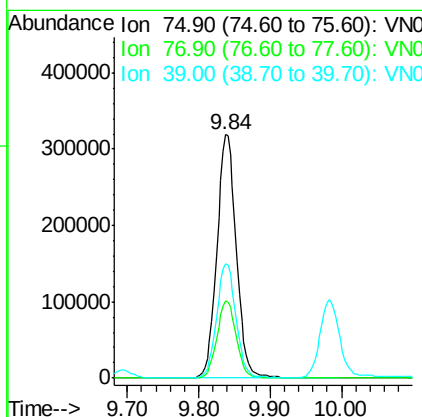
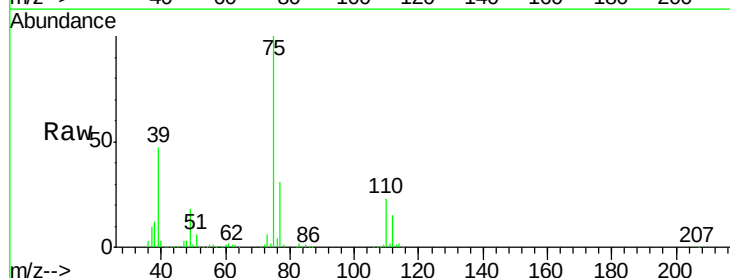
Manual Integrations
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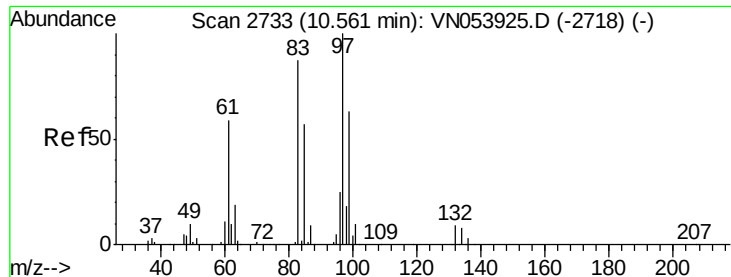
MMDadoda
3/4/2019 1:53:35 PM



#54
cis-1,3-Dichloropropene
Concen: 51.720 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion: 75 Resp: 599062
Ion Ratio Lower Upper
75 100
77 31.5 25.8 38.6
39 47.1 31.4 47.0#





#55

1,1,2-Trichloroethane

Concen: 48.846 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

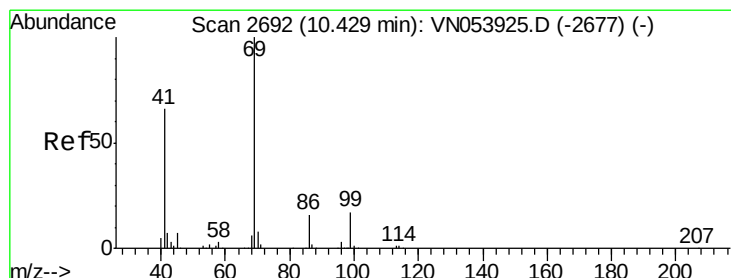
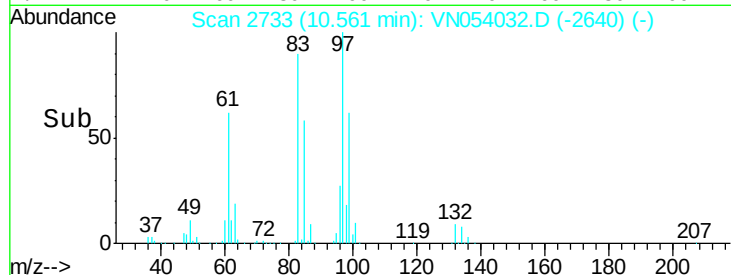
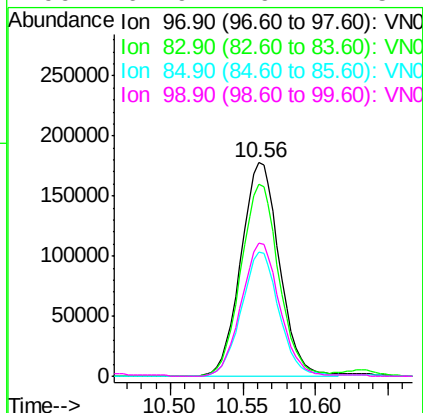
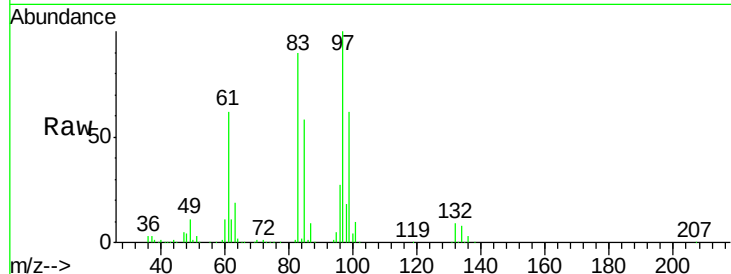
ClientSampled :

VSTDCCC050

Tot Ion:	97	Resp:	328604
Ion	Ratio	Lower	Upper
97	100		
83	90.0	69.5	104.3
85	58.0	45.9	68.9
99	61.9	49.1	73.7

Manual Integrations
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3/4/2019 1:53:35 PM



#56

Ethyl methacrylate

Concen: 46.841 ug/l

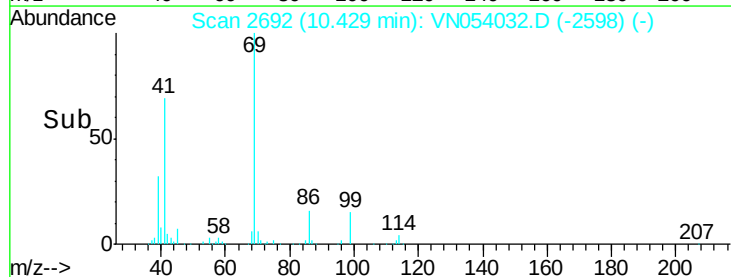
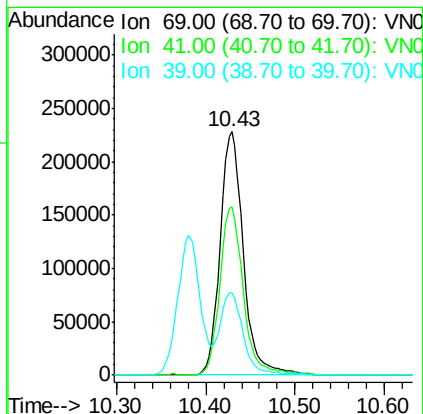
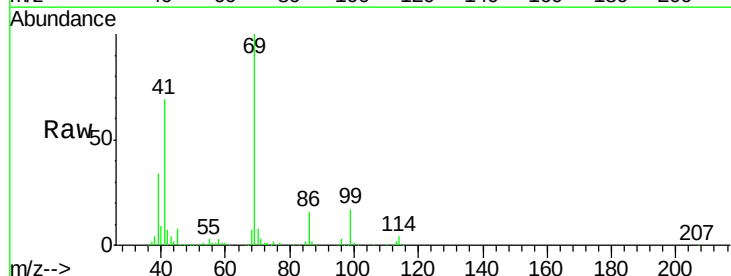
RT: 10.43 min Scan# 2692

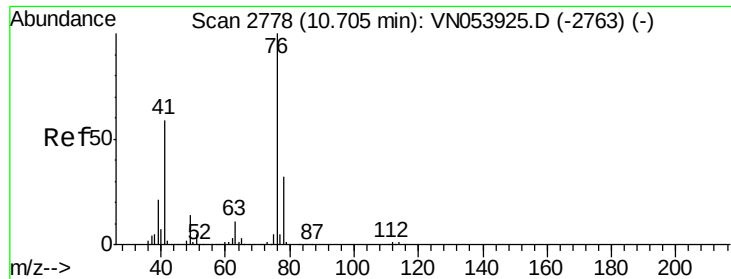
Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Tgt Ion:	69	Resp:	412048
Ion	Ratio	Lower	Upper
69	100		
41	68.7	47.5	71.3
39	33.9	23.4	35.0





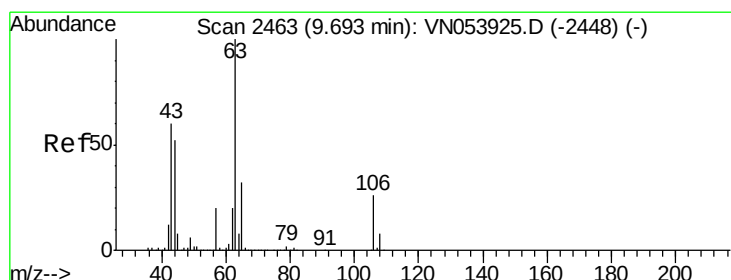
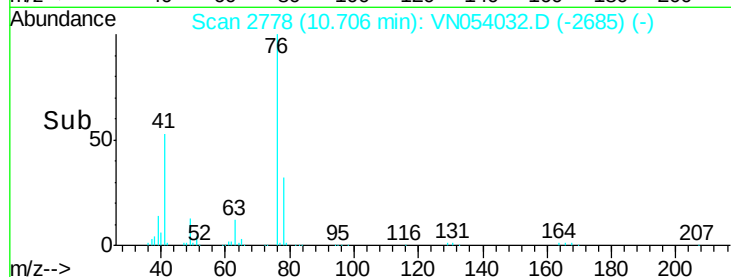
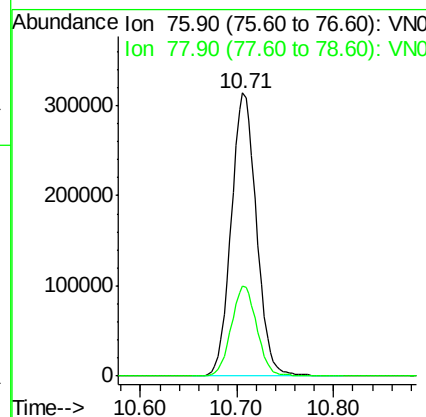
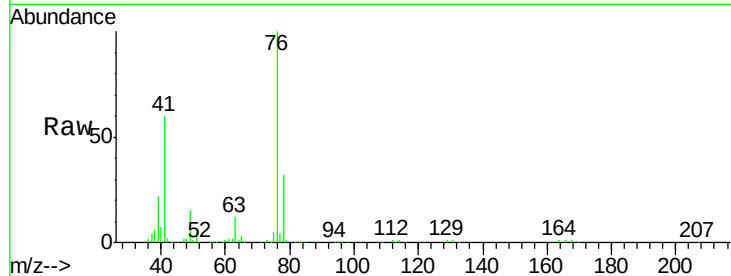
#57
 1,3-Dichloropropane
 Concen: 50.089 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 569347
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.2 37.8

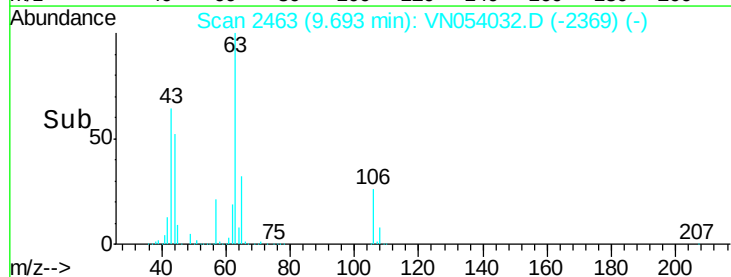
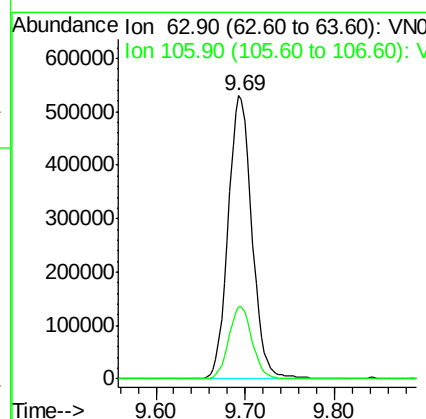
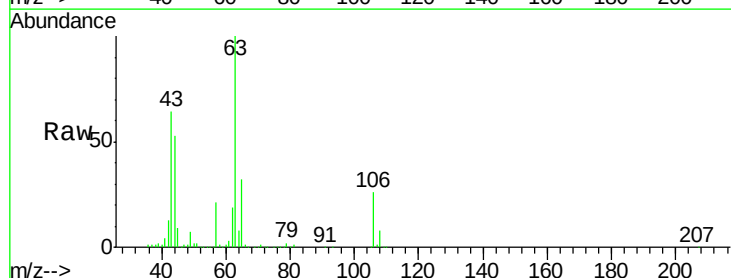
Manual Integrations
 APPROVED

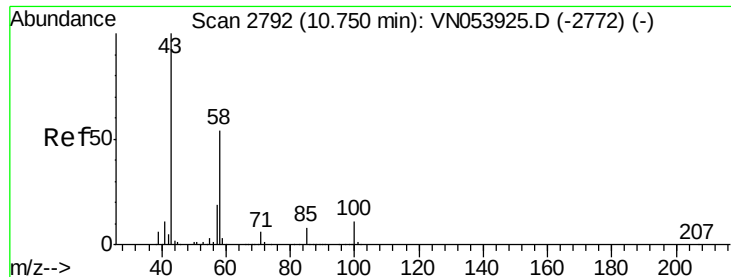
MMDadoda
 3/4/2019 1:53:35 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 239.167 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Tgt Ion: 63 Resp: 979644
 Ion Ratio Lower Upper
 63 100
 106 25.1 22.2 33.2





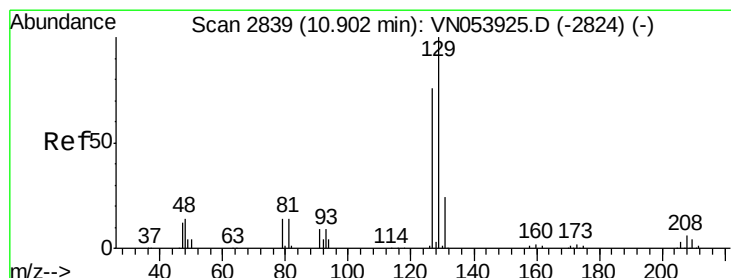
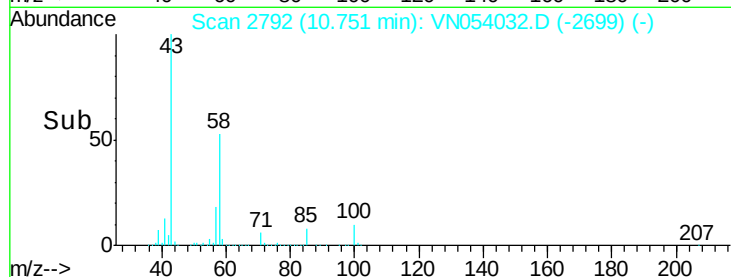
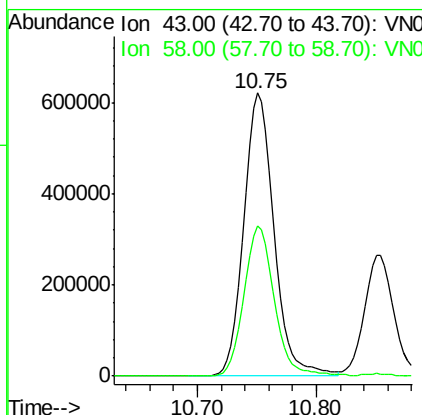
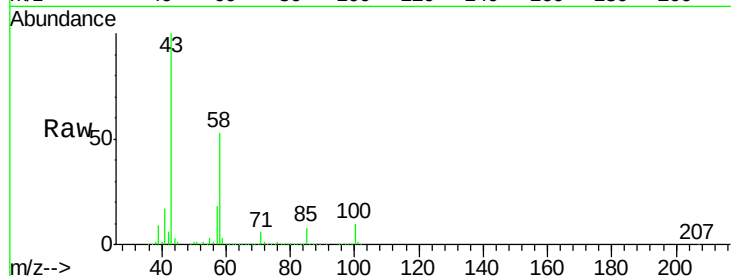
#59
2-Hexanone
Concen: 271.748 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1090353
Ion Ratio Lower Upper
43 100
58 53.3 29.1 87.4

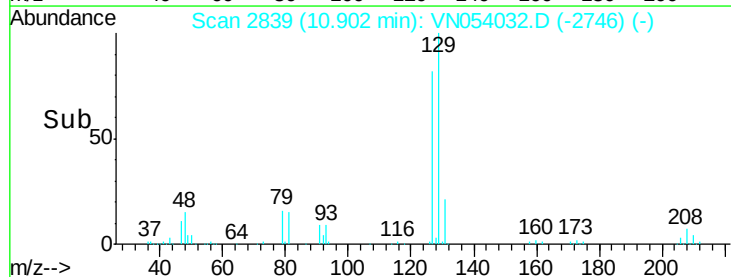
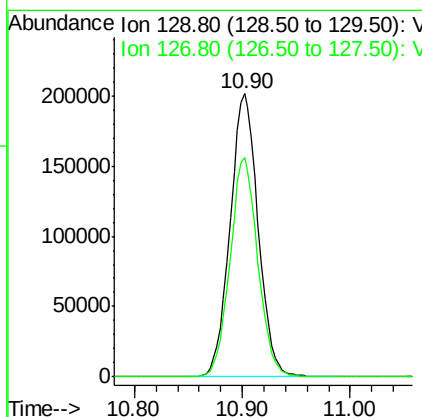
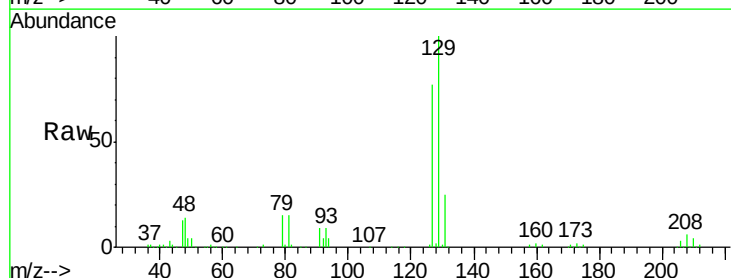
Manual Integrations
APPROVED

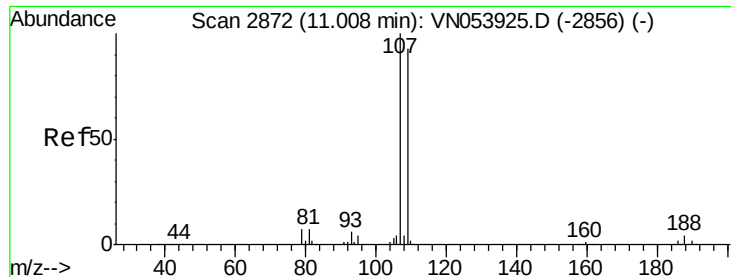
MMDadoda
3/4/2019 1:53:35 PM



#60
Dibromochloromethane
Concen: 48.804 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion: 129 Resp: 364887
Ion Ratio Lower Upper
129 100
127 76.6 38.8 116.3





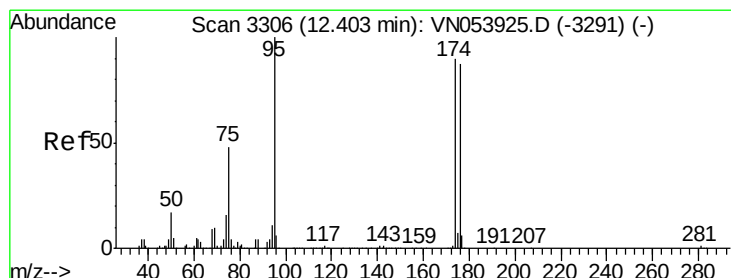
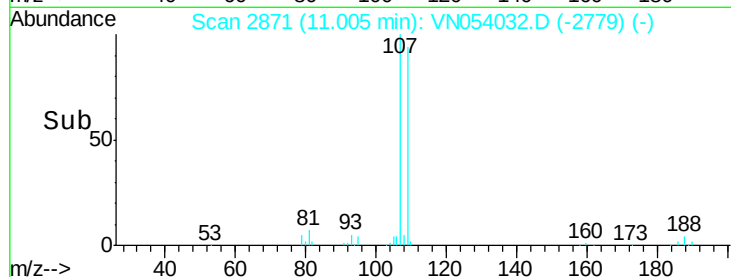
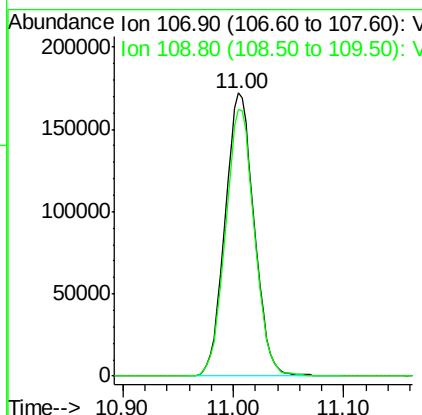
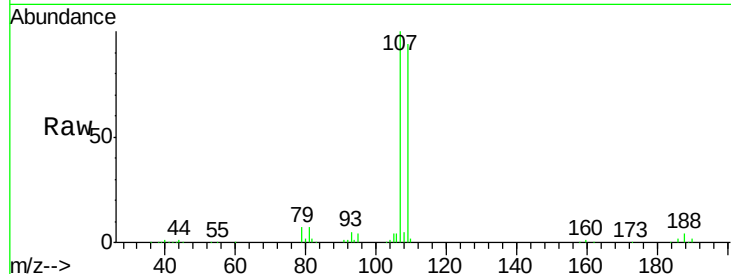
#61
 1,2-Dibromoethane
 Concen: 48.428 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	76.3	114.5

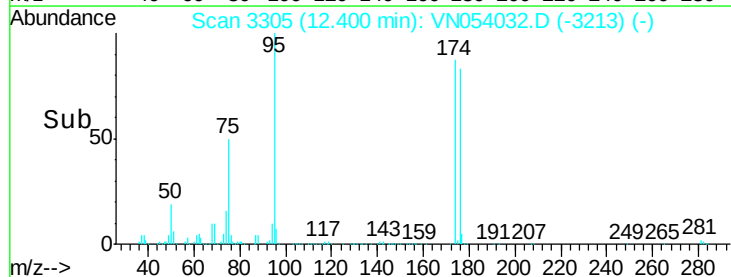
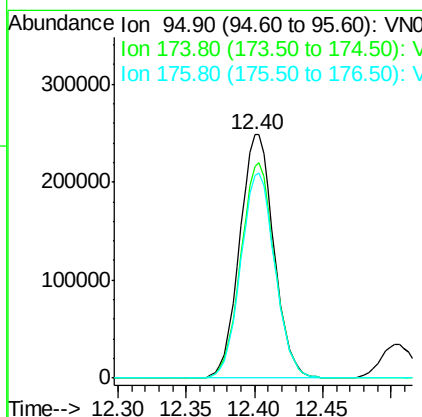
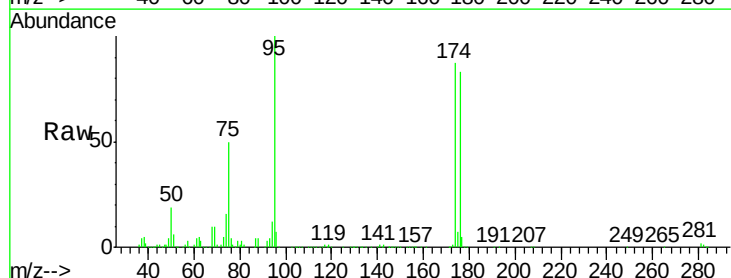
Manual Integrations
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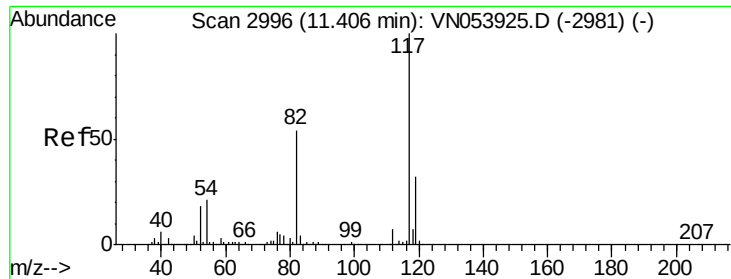
MMDadoda
 3/4/2019 1:53:35 PM



#62
 4-Bromofluorobenzene
 Concen: 50.352 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.4	0.0	188.8
176	84.1	0.0	182.6





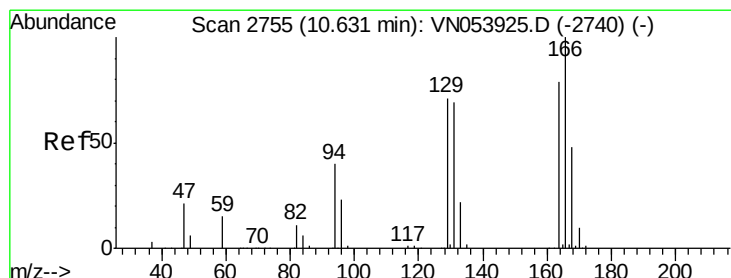
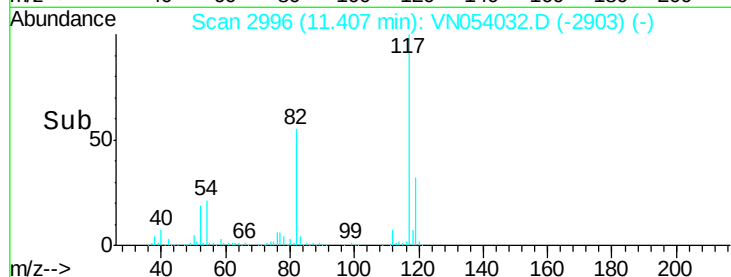
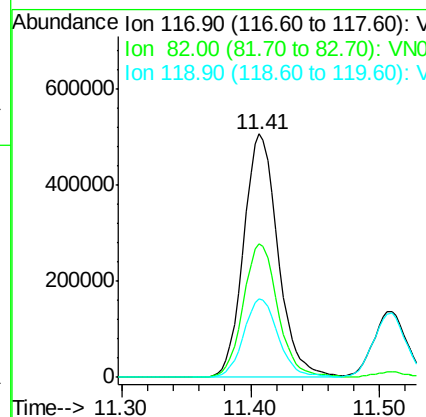
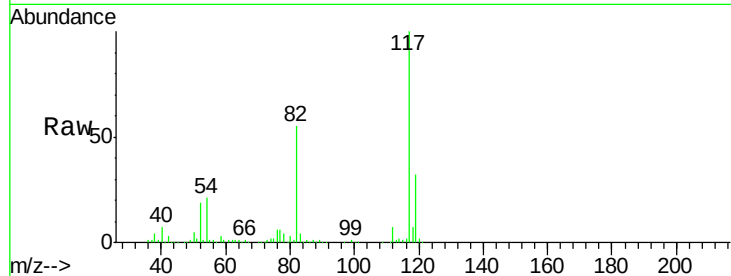
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	939390		
82	55.1	41.4	62.2	
119	32.3	25.3	37.9	

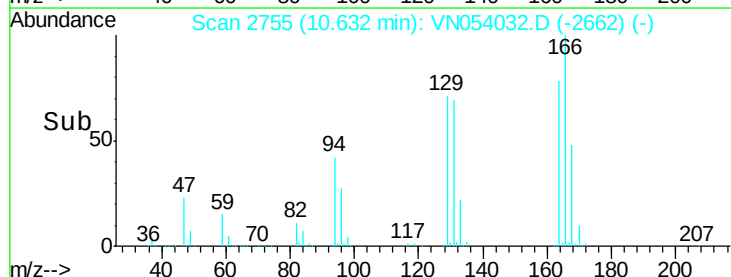
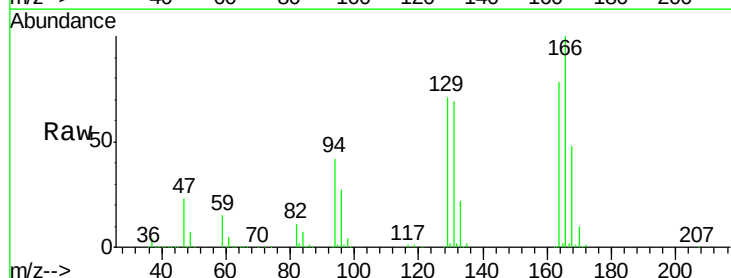
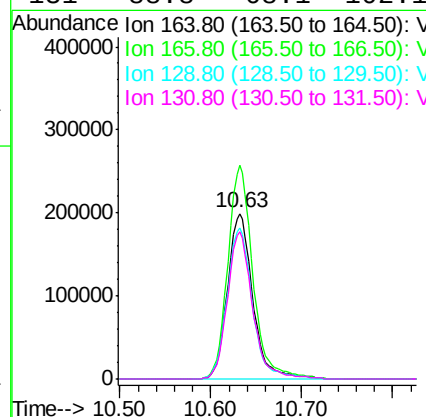
Manual Integrations
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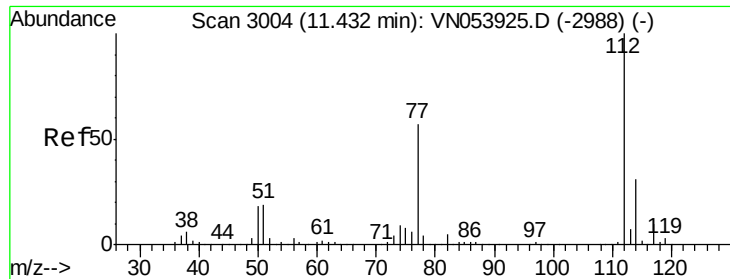
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#64
Tetrachloroethene
Concen: 48.338 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	384505		
166	128.9	102.6	153.8	
129	90.9	69.4	104.0	
131	88.8	68.1	102.1	





#65

Chlorobenzene

Concen: 48.613 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 963786

Ion Ratio Lower Upper

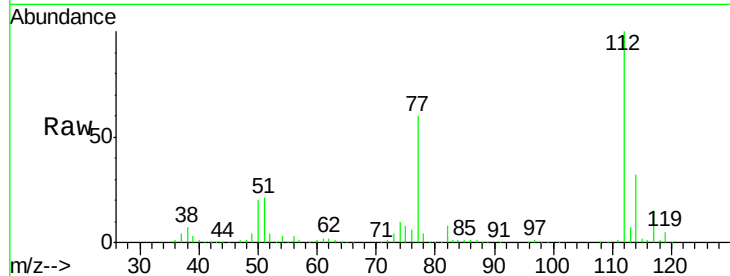
112 100

114 31.6 25.7 38.5

Manual Integrations
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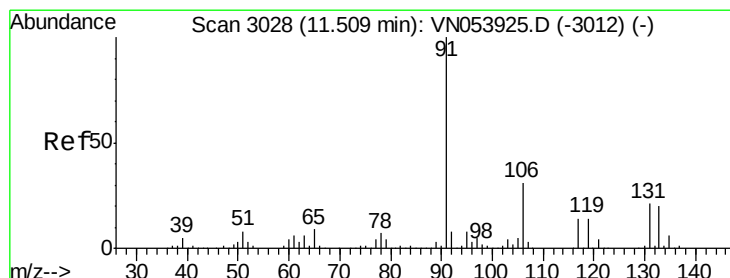
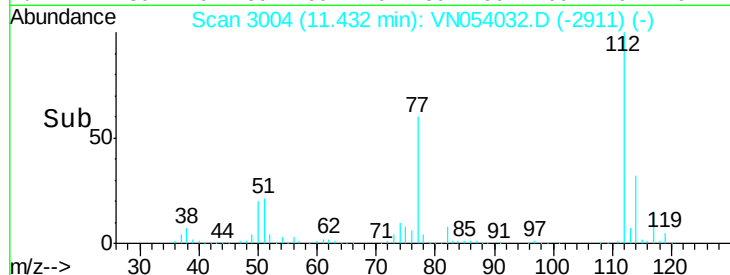
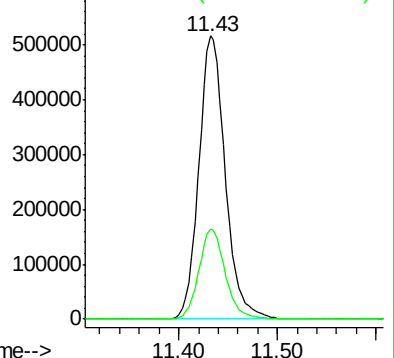
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.024 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

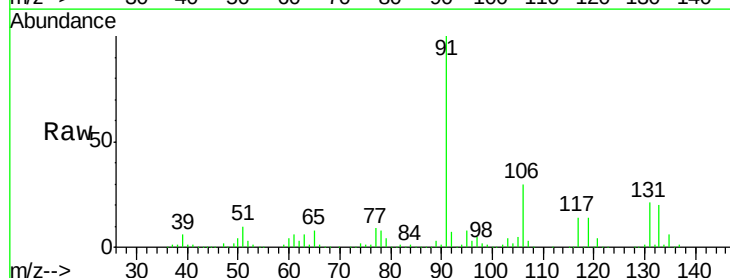
Tgt Ion:131 Resp: 350288

Ion Ratio Lower Upper

131 100

133 96.7 47.7 143.1

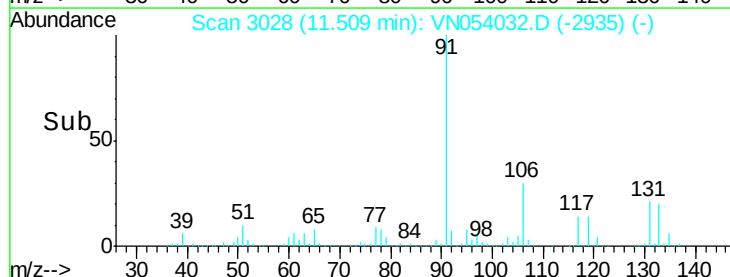
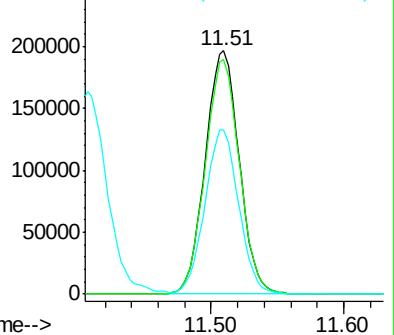
119 67.4 33.1 99.3

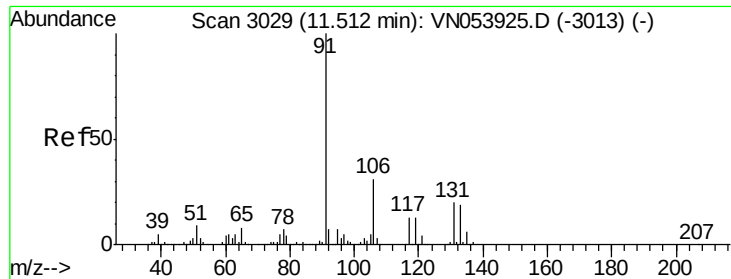


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





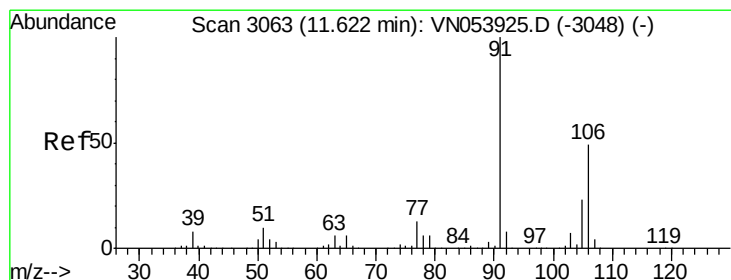
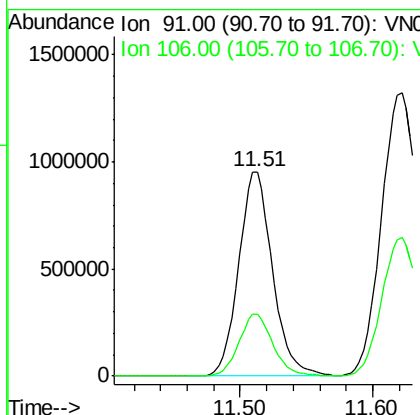
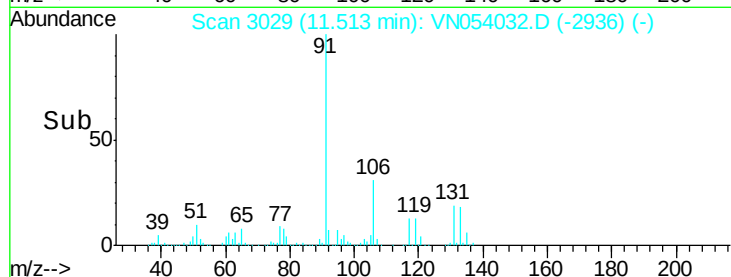
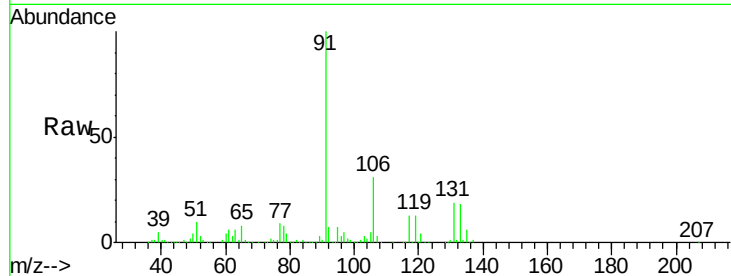
#67
Ethyl Benzene
Concen: 50.909 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1692006
Ion Ratio Lower Upper
91 100
106 30.6 25.2 37.8

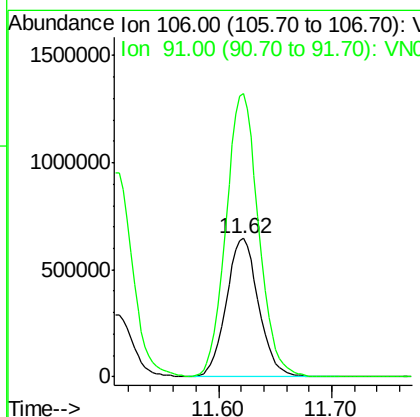
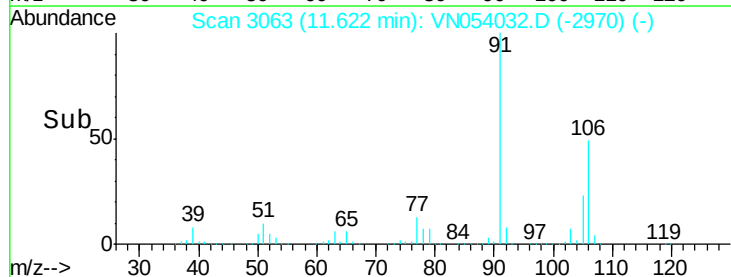
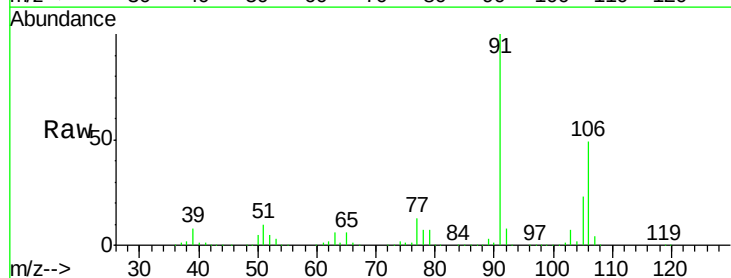
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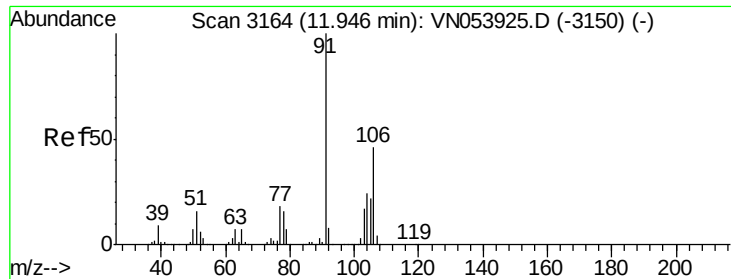
MMDadoda
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#68
m/p-Xylenes
Concen: 102.505 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion: 106 Resp: 1285834
Ion Ratio Lower Upper
106 100
91 206.0 158.9 238.3





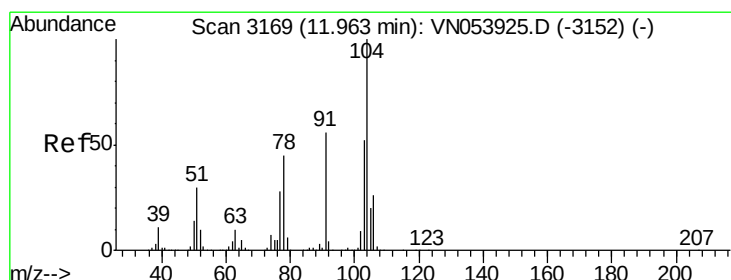
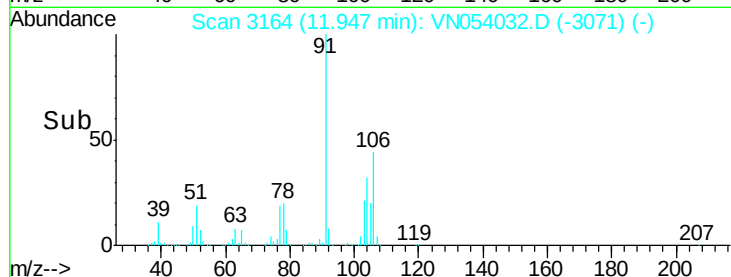
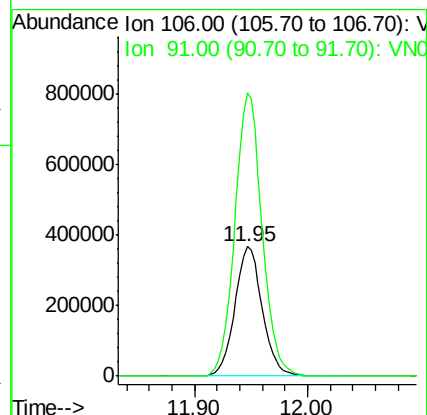
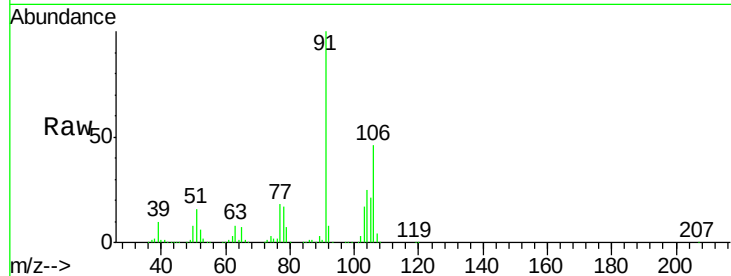
#69
o-Xylene
Concen: 50.071 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 617151
Ion Ratio Lower Upper
106 100
91 217.2 106.0 318.0

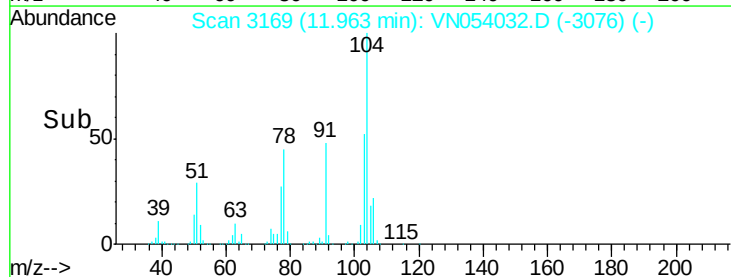
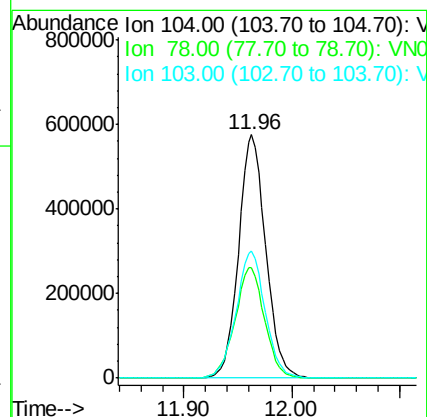
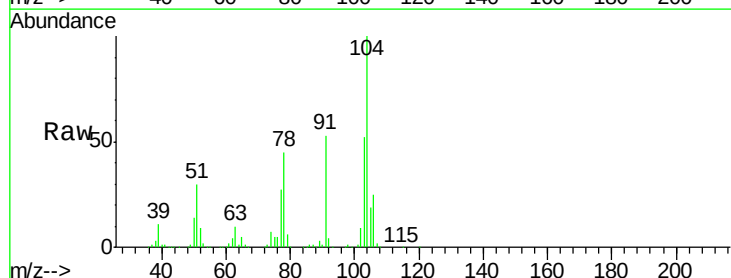
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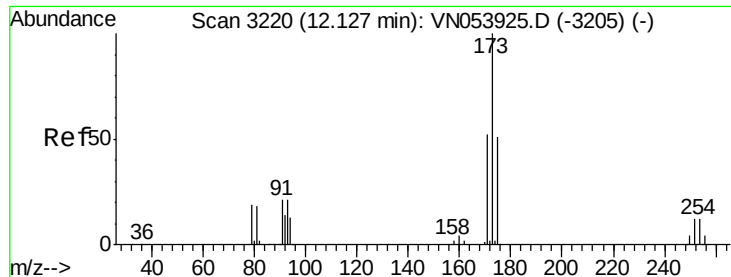
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#70
Styrene
Concen: 53.249 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion:104 Resp: 1009498
Ion Ratio Lower Upper
104 100
78 49.6 38.1 57.1
103 55.9 44.6 67.0





#71

Bromoform

Concen: 47.954 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 238369

Ion Ratio Lower Upper

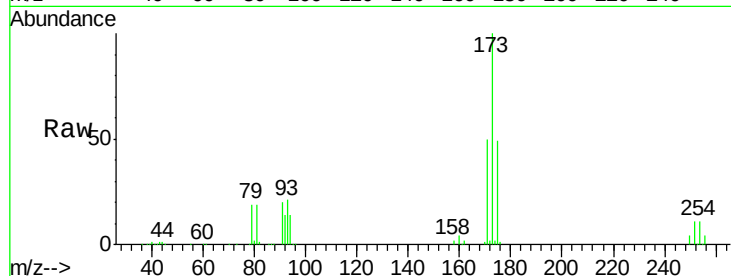
173 100

175 48.7 24.3 72.8

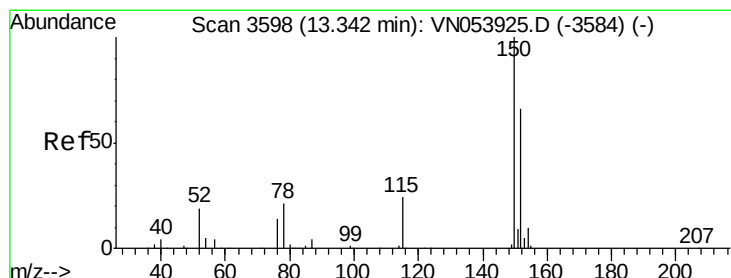
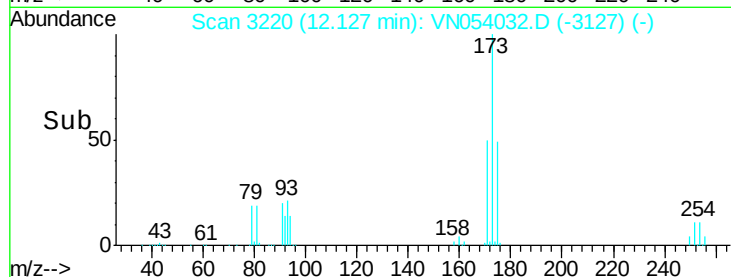
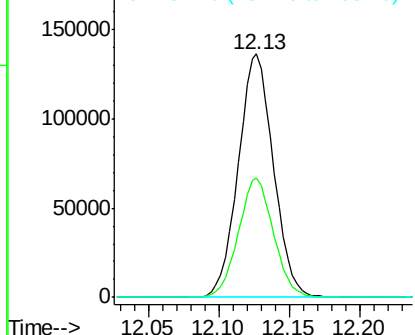
254 0.1 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

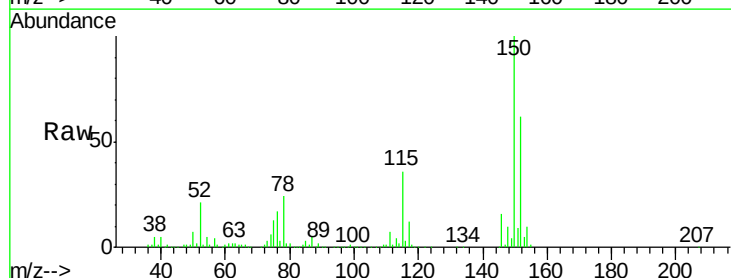
Tgt Ion:152 Resp: 427218

Ion Ratio Lower Upper

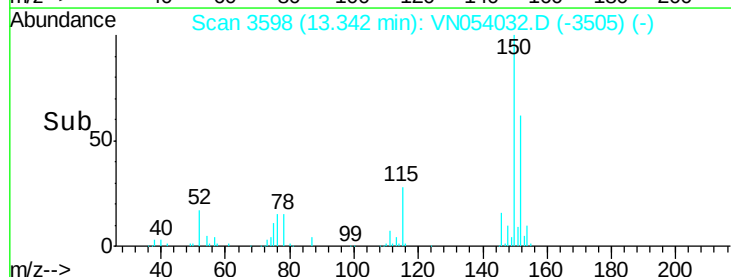
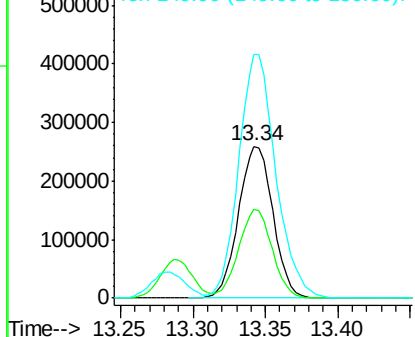
152 100

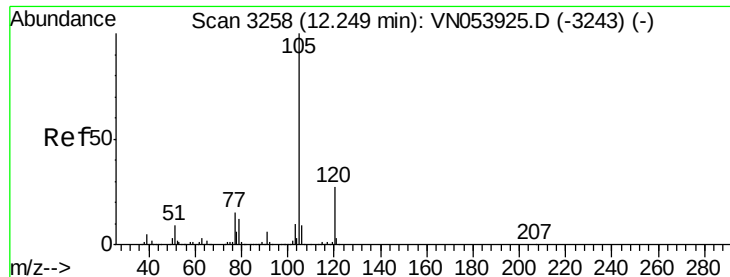
115 57.1 27.2 81.6

150 173.3 0.0 348.2



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





#73

Isopropylbenzene

Concen: 49.001 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1629581

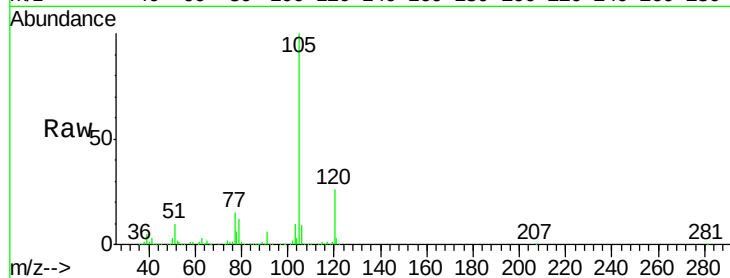
Ion Ratio Lower Upper

105 100

120 26.2 13.5 40.5

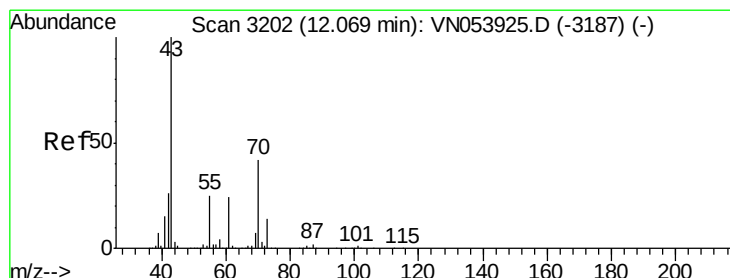
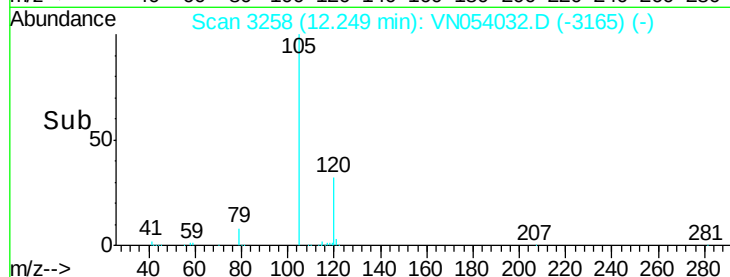
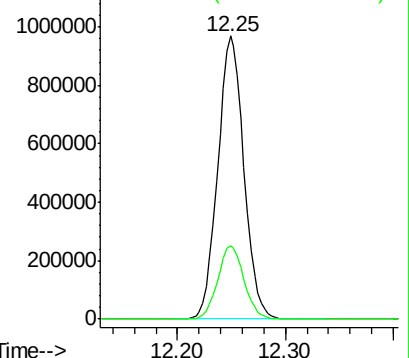
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.446 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Tgt Ion: 43 Resp: 457132

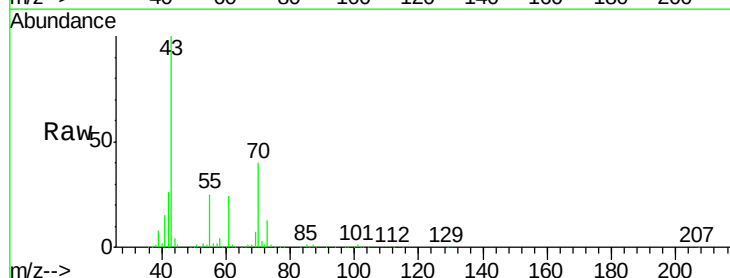
Ion Ratio Lower Upper

43 100

70 40.8 37.4 56.2

55 25.5 21.4 32.0

61 23.9 20.9 31.3

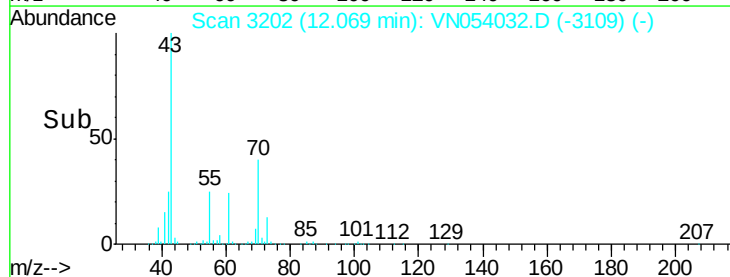
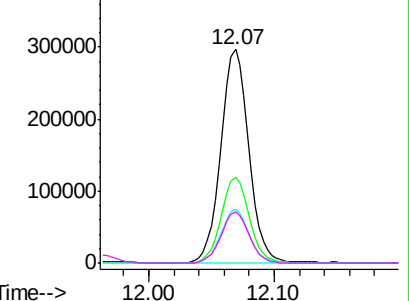


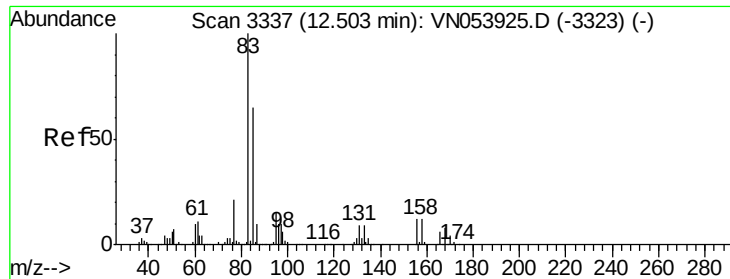
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 46.212 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

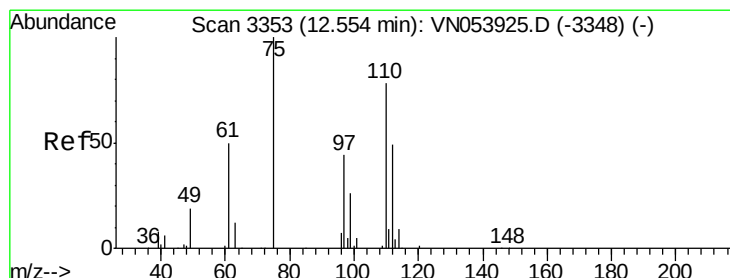
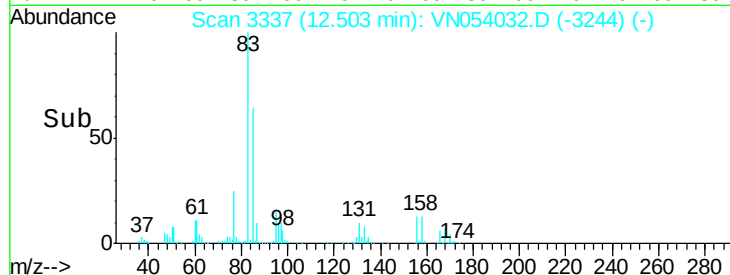
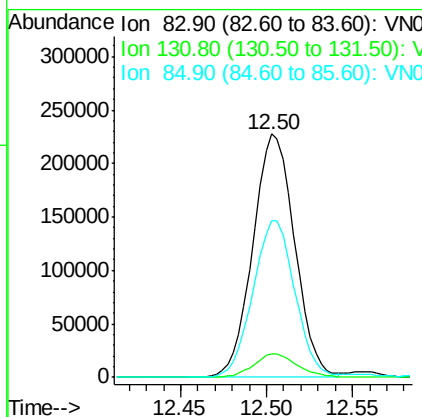
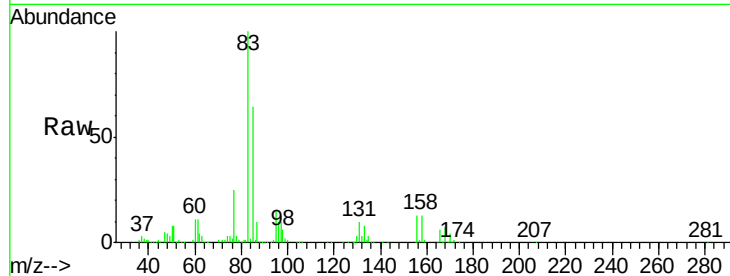
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	384308
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.3	16.1
85	64.7	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.898 ug/l m

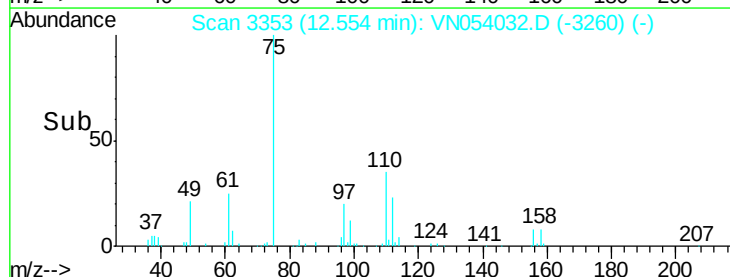
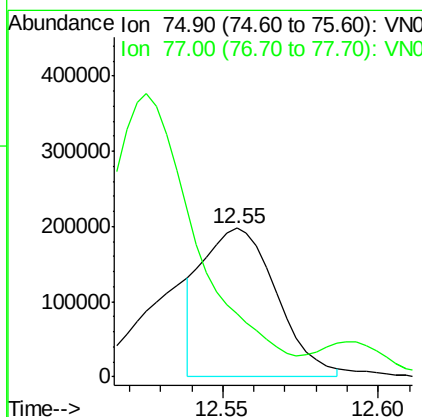
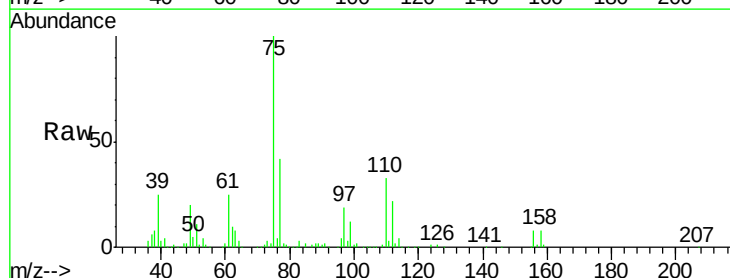
RT: 12.55 min Scan# 3353

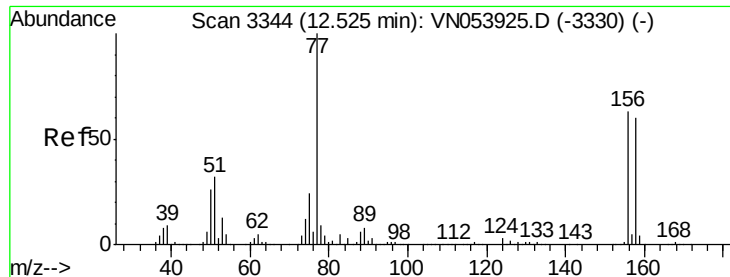
Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Tgt Ion:	75	Resp:	328259
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.689 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

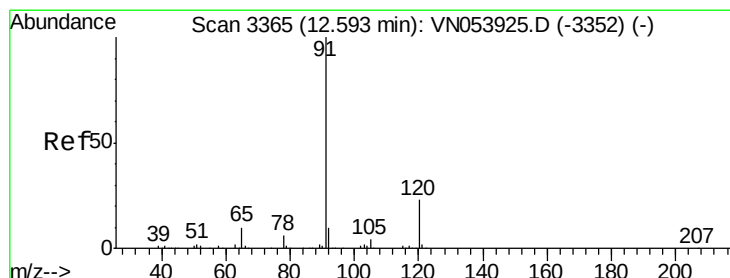
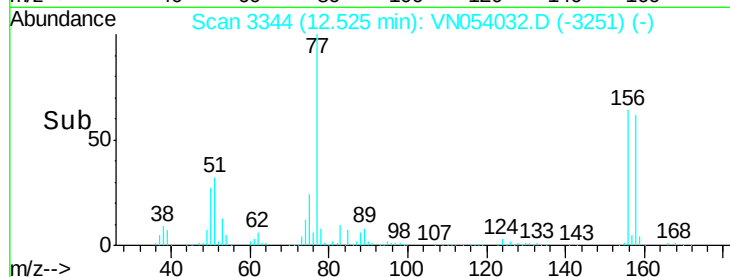
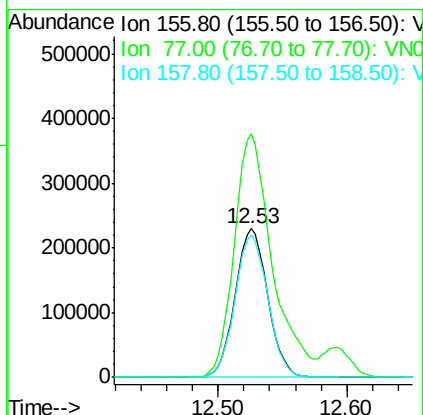
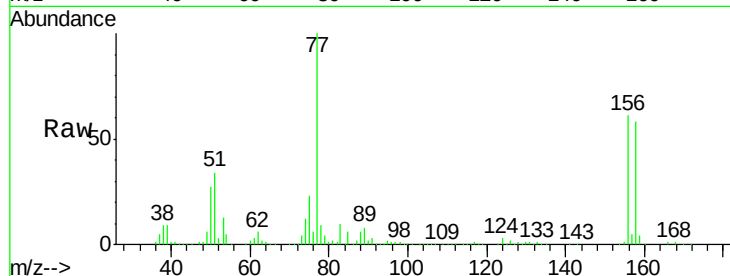
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	402659
Ion Ratio	Lower	Upper	
156	100		
77	190.9	84.0	252.2
158	97.0	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 51.259 ug/l

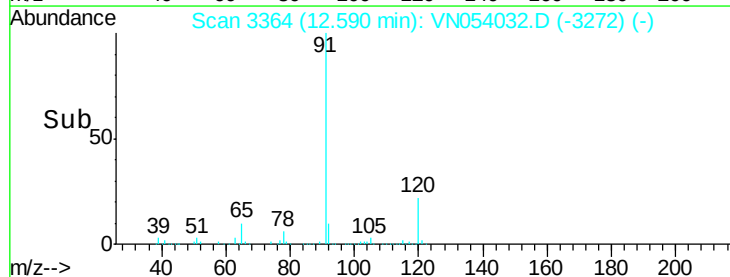
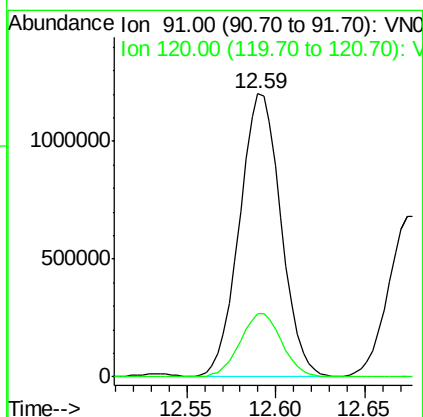
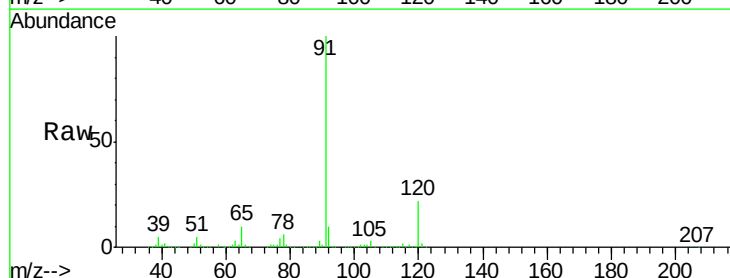
RT: 12.59 min Scan# 3364

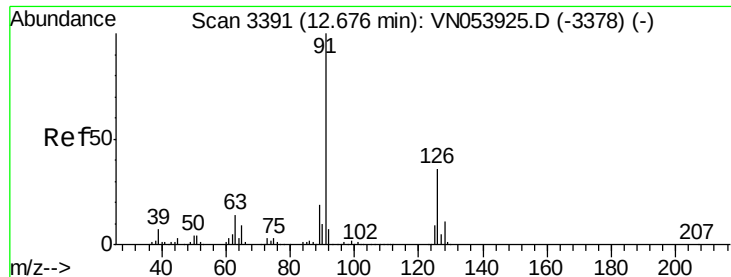
Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Tgt Ion:	91	Resp:	1938675
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.9	35.9





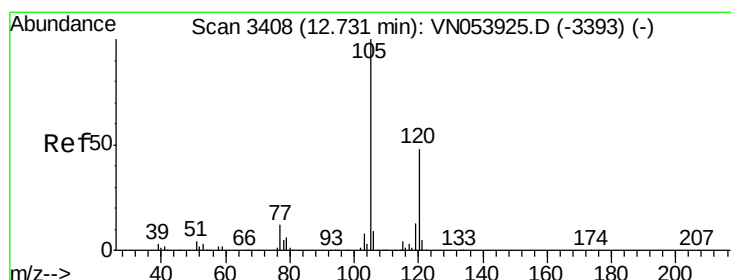
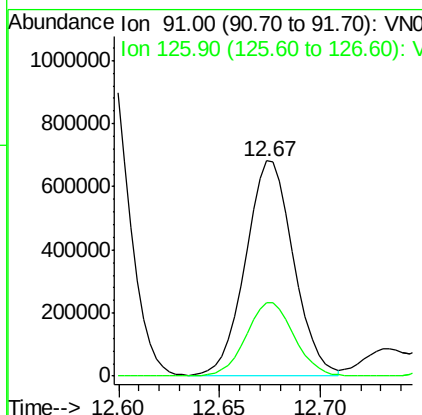
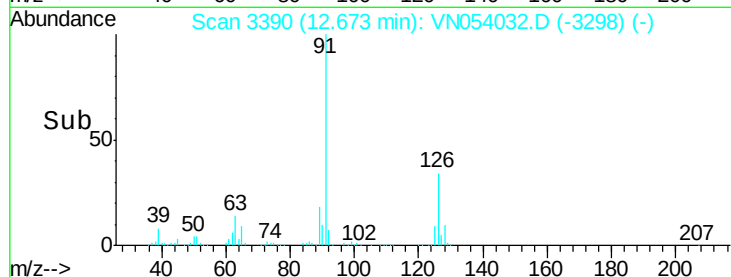
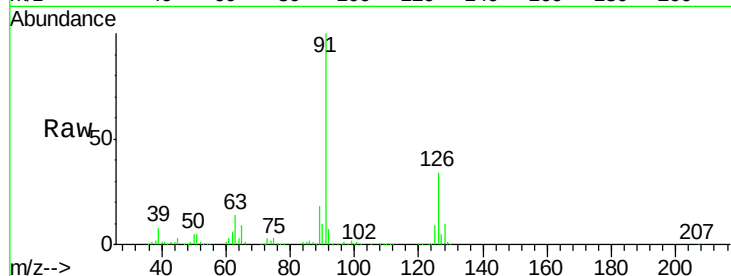
#79
 2-Chlorotoluene
 Concen: 49.726 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 91 Resp: 1129772
 Ion Ratio Lower Upper
 91 100
 126 34.3 18.1 54.4

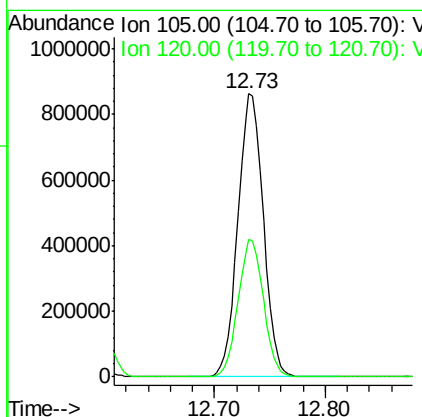
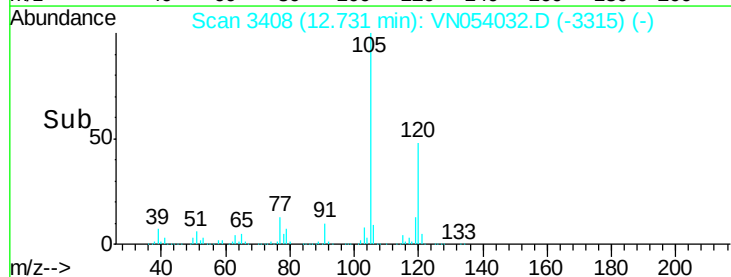
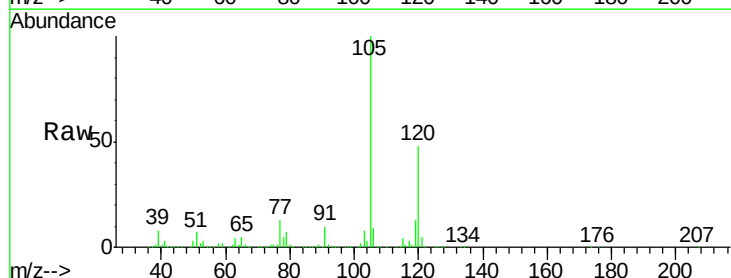
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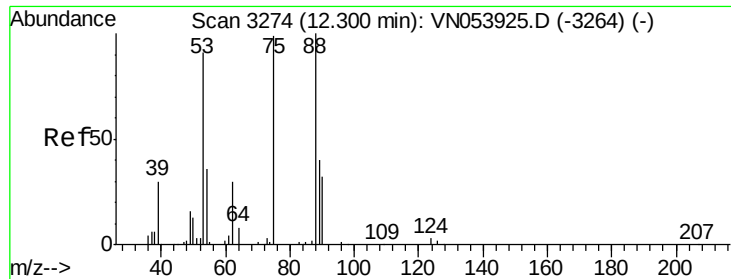
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.508 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Tgt Ion: 105 Resp: 1375114
 Ion Ratio Lower Upper
 105 100
 120 48.4 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 48.634 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

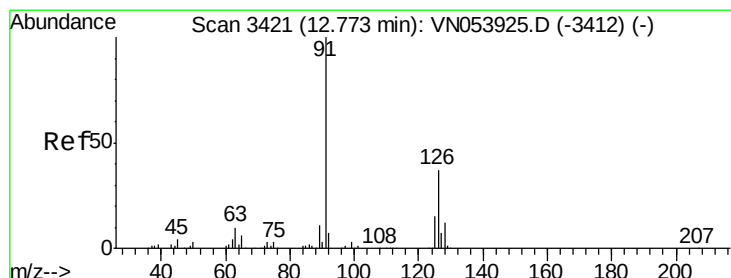
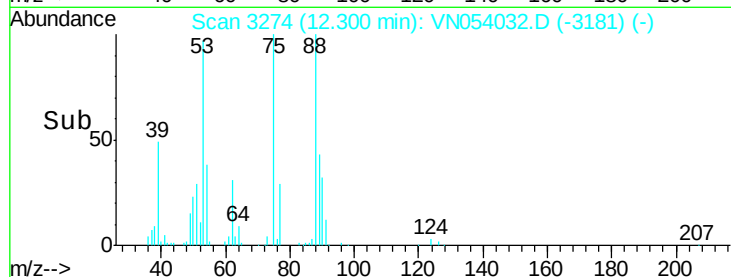
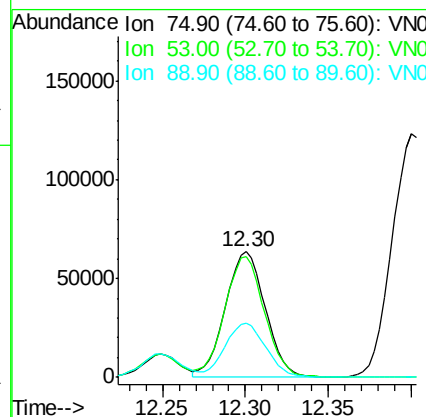
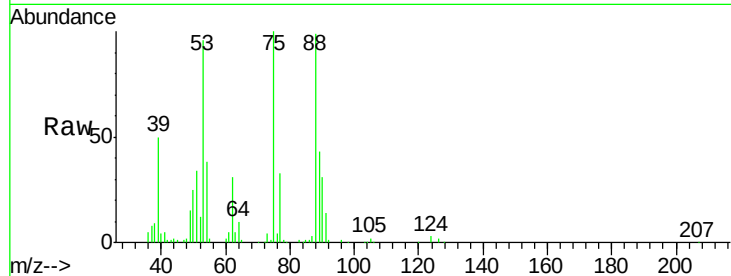
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	105456
Ion	Ratio	Lower	Upper
75	100		
53	97.6	68.6	102.8
89	44.6	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.837 ug/l

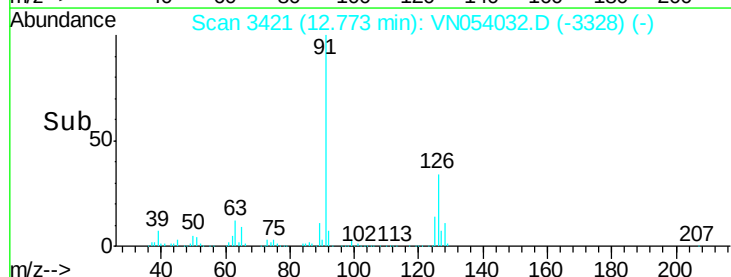
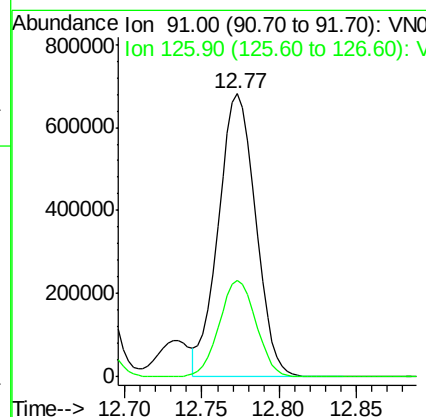
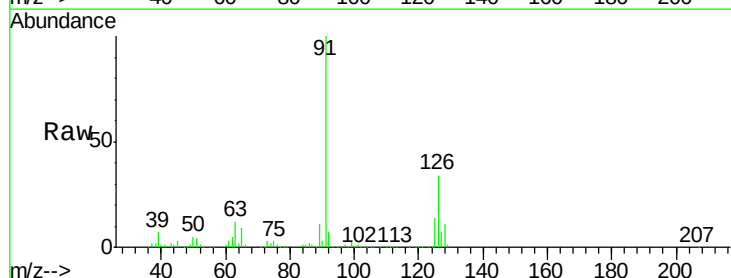
RT: 12.77 min Scan# 3421

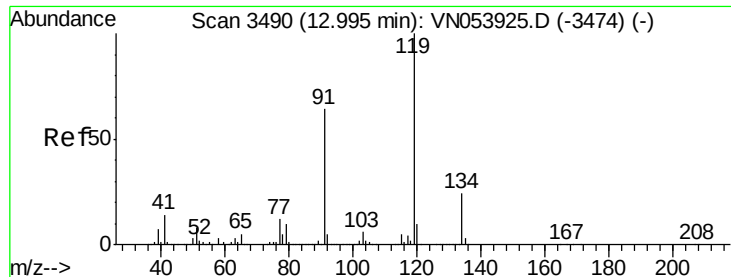
Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Tgt Ion:	91	Resp:	1141532
Ion	Ratio	Lower	Upper
91	100		
126	33.7	18.0	54.0





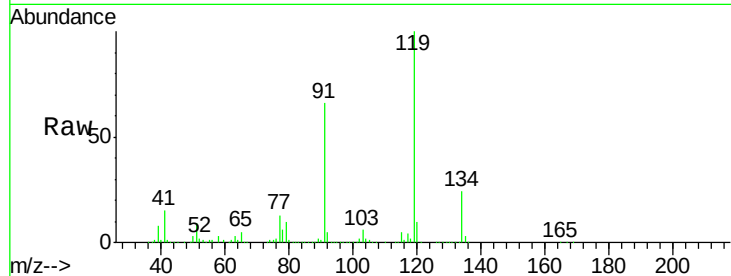
#83
tert-Butylbenzene
Concen: 48.037 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

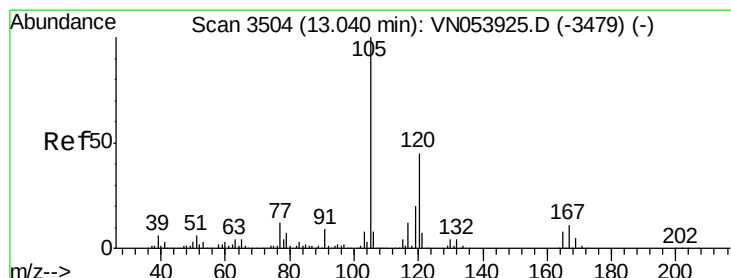
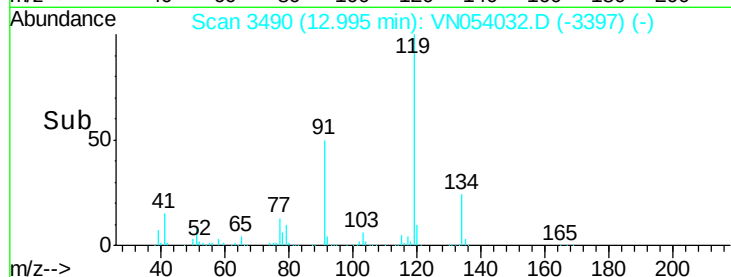
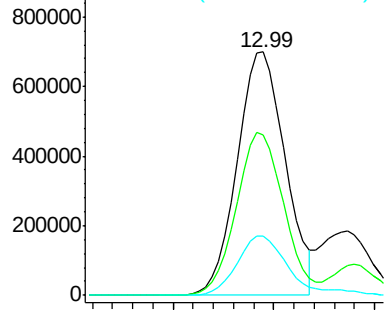
Tot Ion:119 Resp: 1156703
Ion Ratio Lower Upper
119 100
91 65.5 30.6 91.8
134 26.2 13.0 39.0

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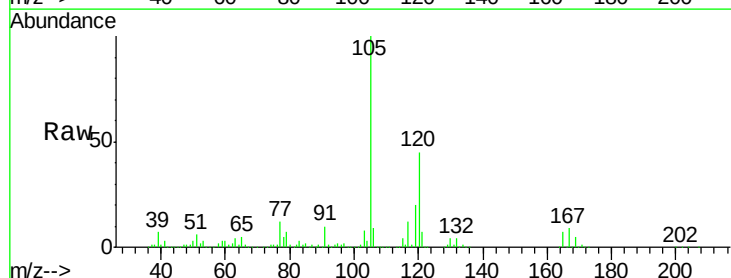


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

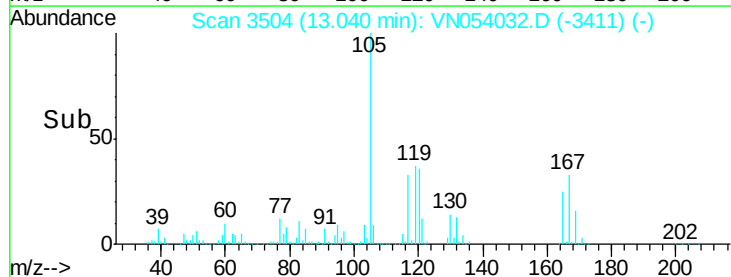
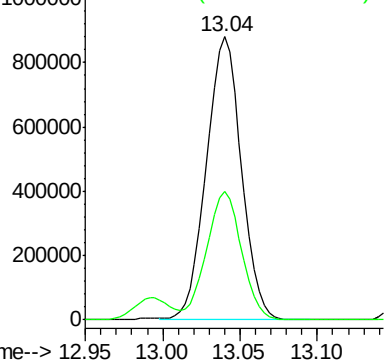


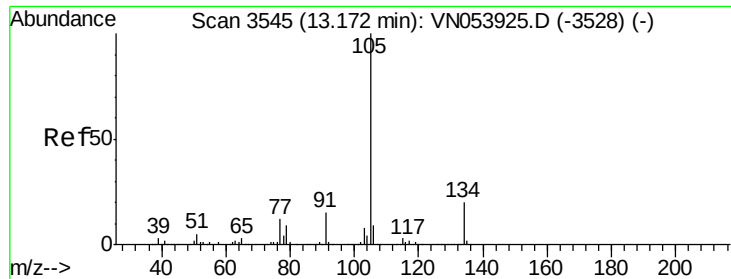
#84
1,2,4-Trimethylbenzene
Concen: 50.835 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion:105 Resp: 1381722
Ion Ratio Lower Upper
105 100
120 45.4 23.2 69.5



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





#85

sec-Butylbenzene

Concen: 49.053 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1613266

Ion Ratio Lower Upper

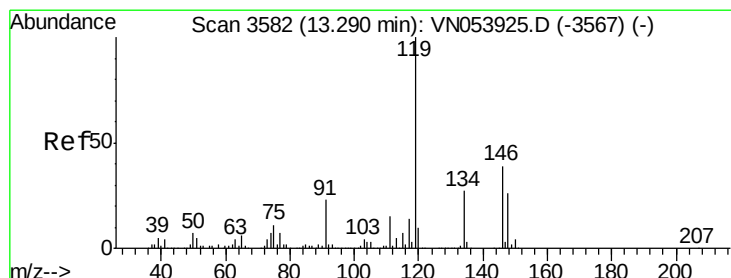
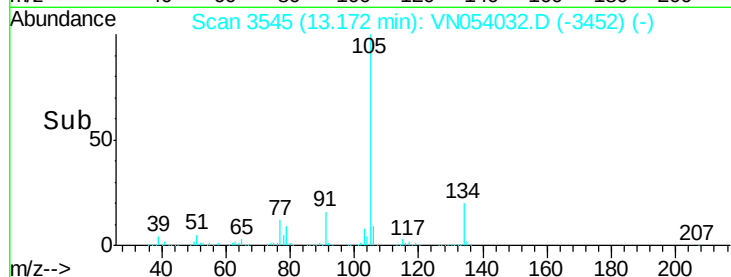
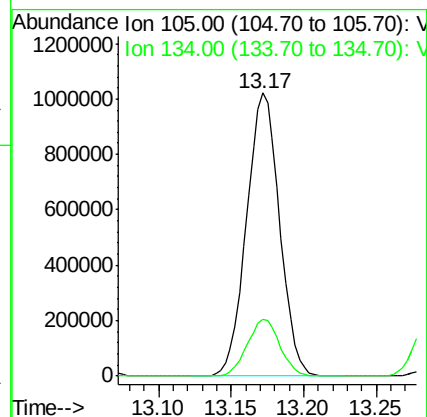
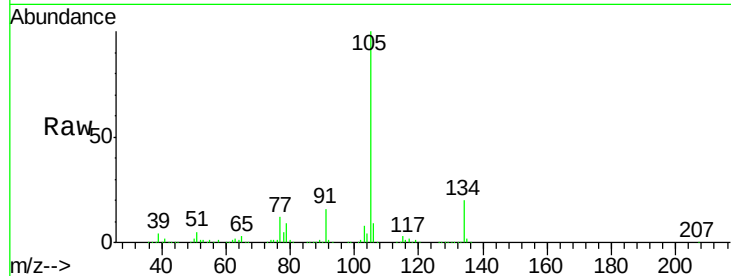
105 100

134 19.9 10.4 31.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 50.275 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

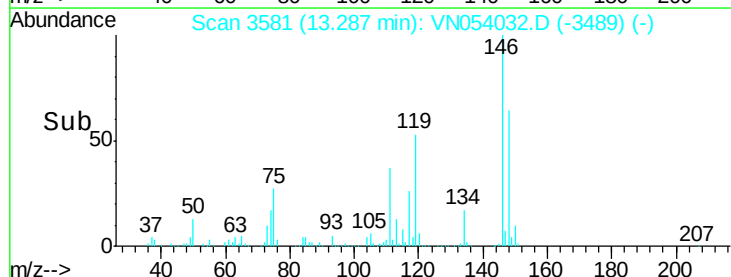
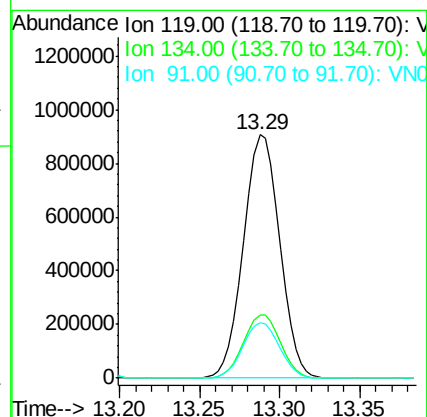
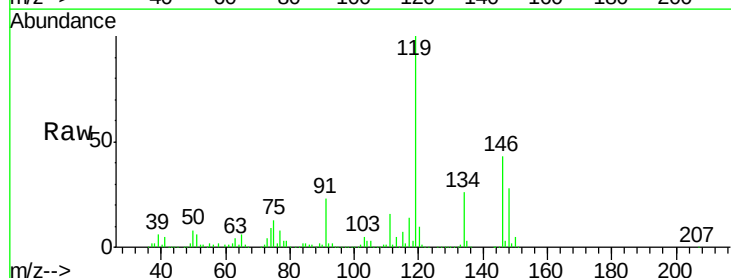
Tgt Ion:119 Resp: 1397810

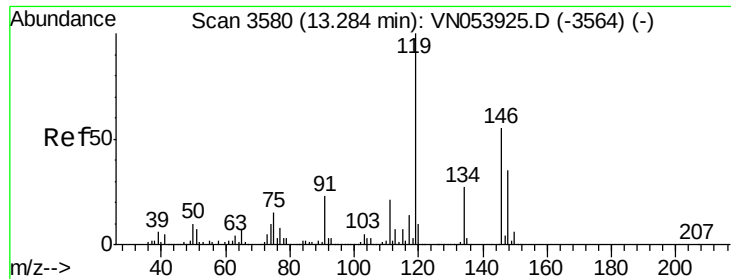
Ion Ratio Lower Upper

119 100

134 26.3 13.5 40.4

91 23.0 10.9 32.6





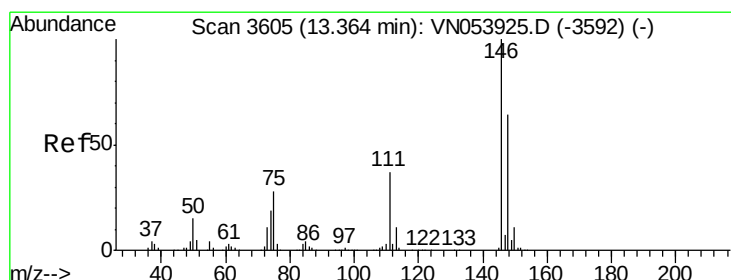
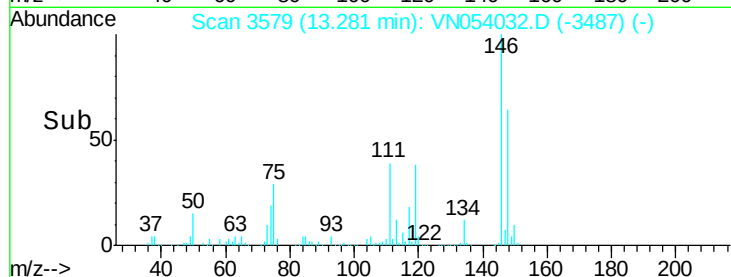
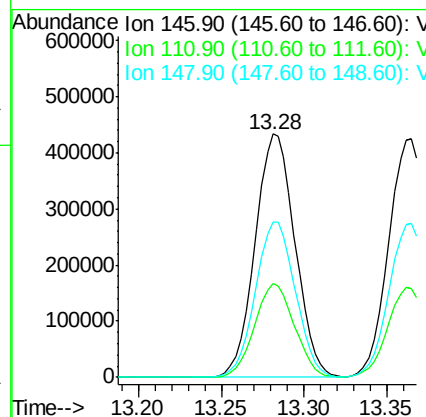
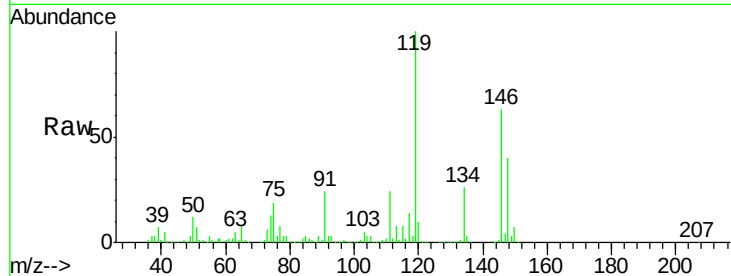
#87
 1,3-Dichlorobenzene
 Concen: 49.515 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.7	56.1
148	64.0	32.0	96.2

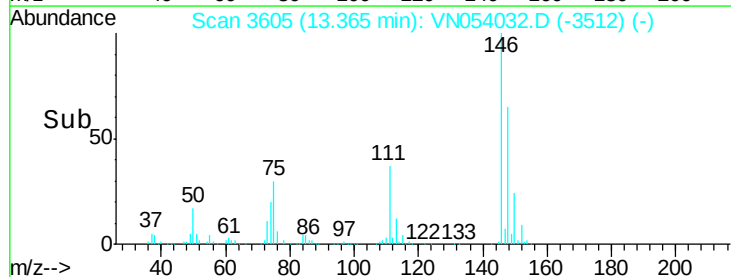
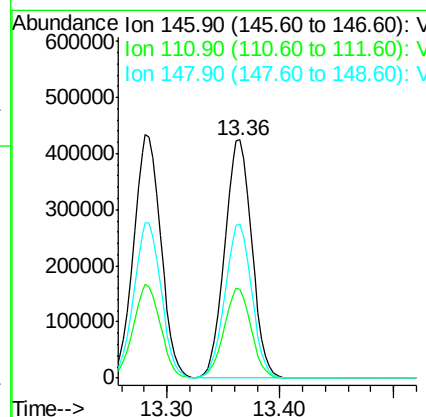
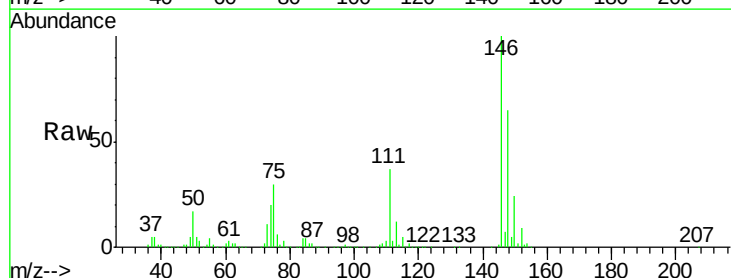
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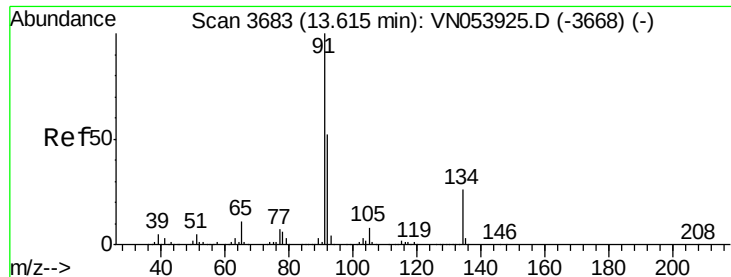
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#88
 1,4-Dichlorobenzene
 Concen: 49.864 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.0	54.0
148	63.7	32.1	96.5





#89

n-Butylbenzene

Concen: 52.765 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampled :

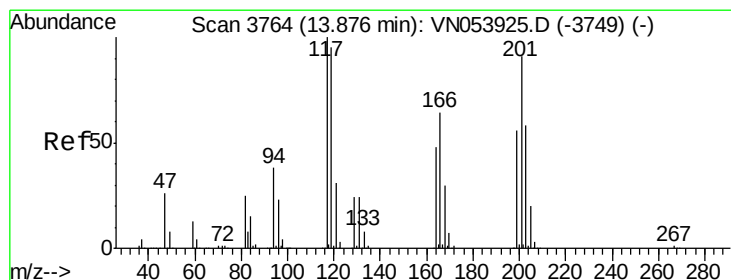
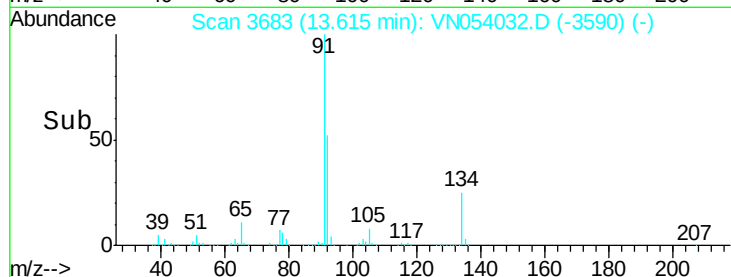
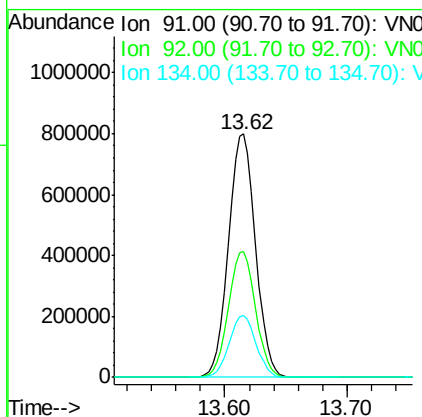
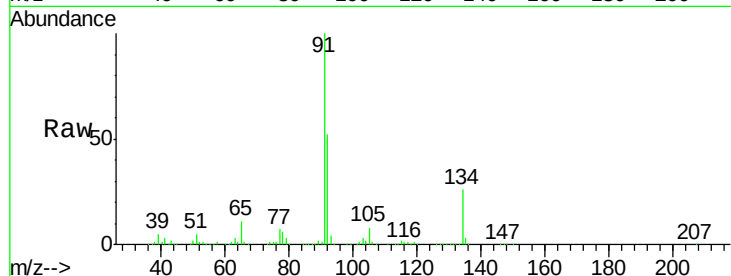
VSTDCCC050

Tot Ion: 91 Resp: 1236365

Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.1	78.2
134	25.3	13.6	40.8

Manual Integrations
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#90

Hexachloroethane

Concen: 45.590 ug/l

RT: 13.87 min Scan# 3763

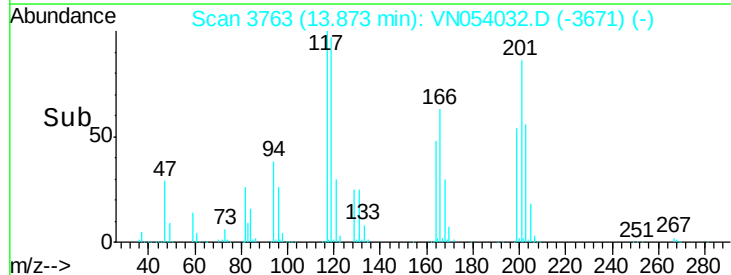
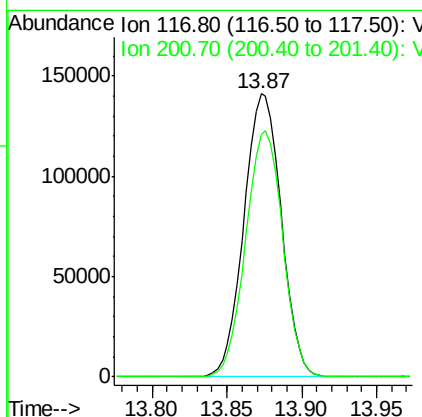
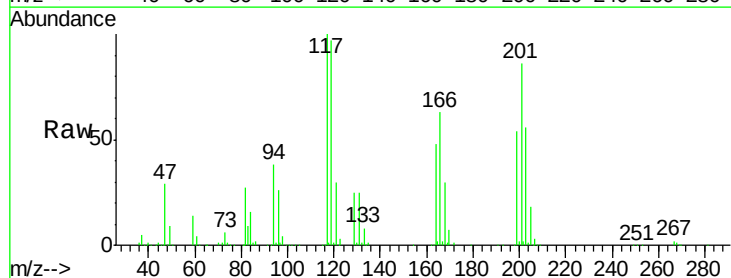
Delta R.T. -0.00 min

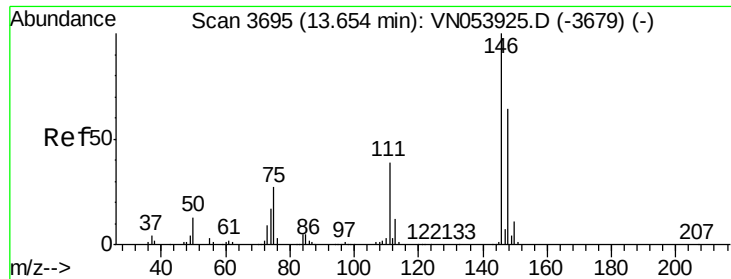
Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Tgt Ion: 117 Resp: 245625

Ion	Ratio	Lower	Upper
117	100		
201	86.2	48.0	144.2





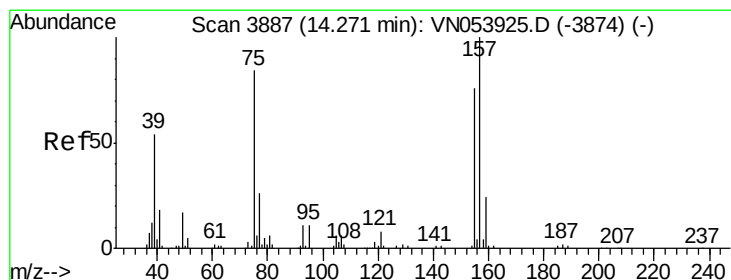
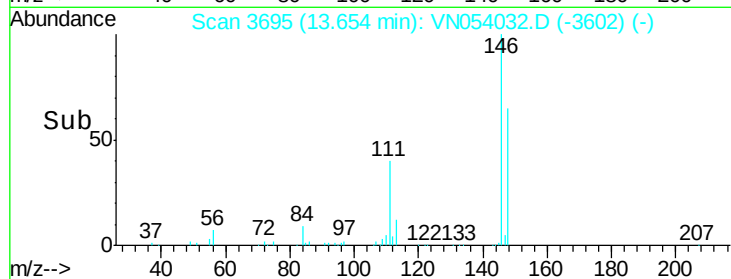
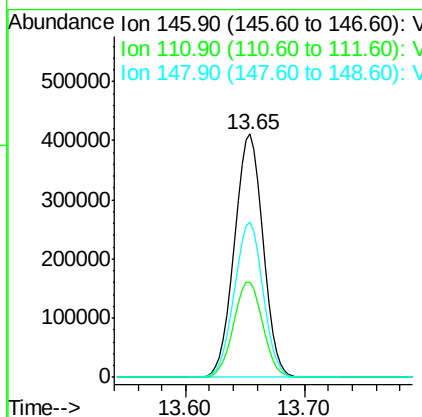
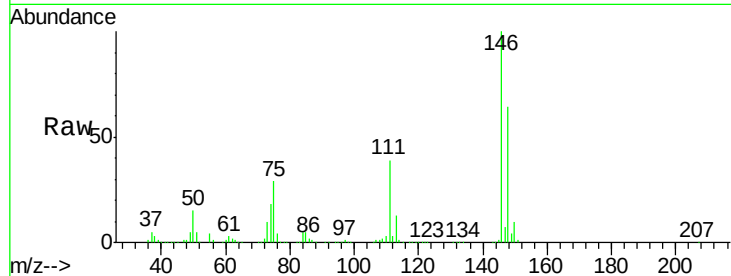
#91
 1,2-Dichlorobenzene
 Concen: 48.596 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.1	57.5
148	64.0	32.1	96.5

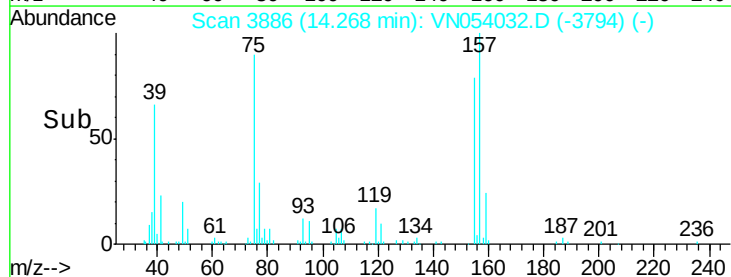
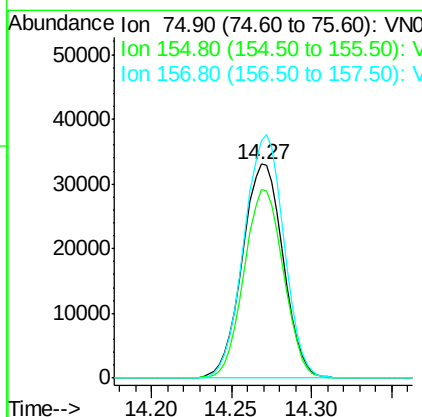
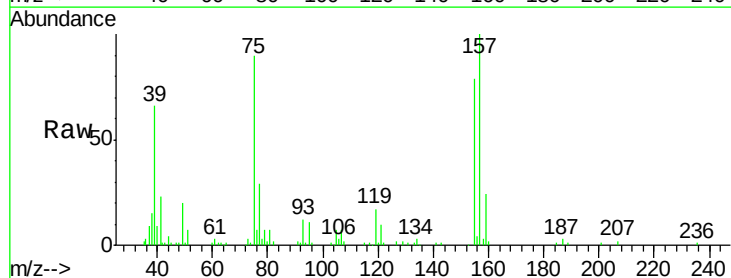
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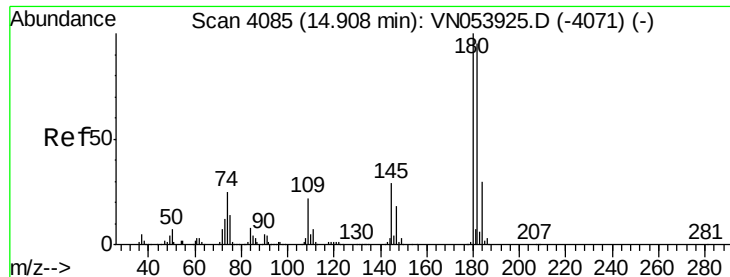
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 3/4/2019 1:53:35 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.043 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.0	49.5	148.5
157	111.2	64.8	194.6





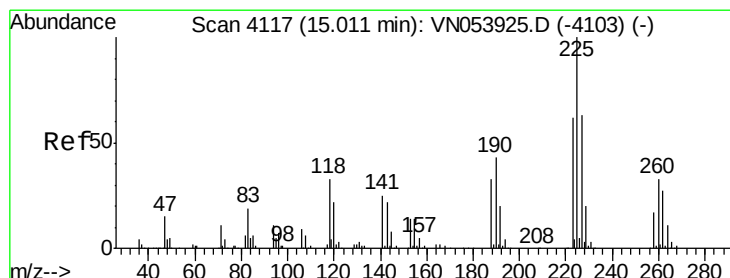
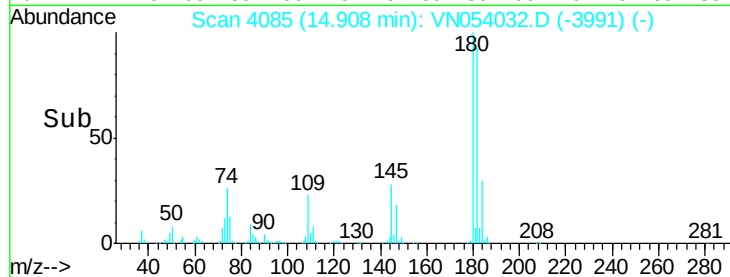
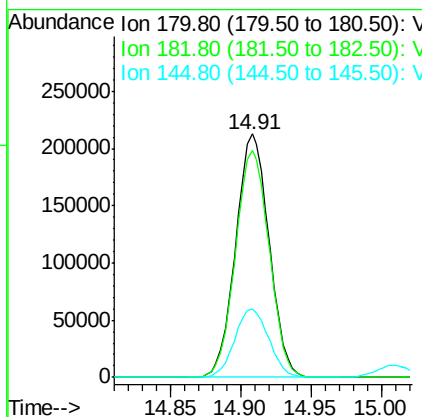
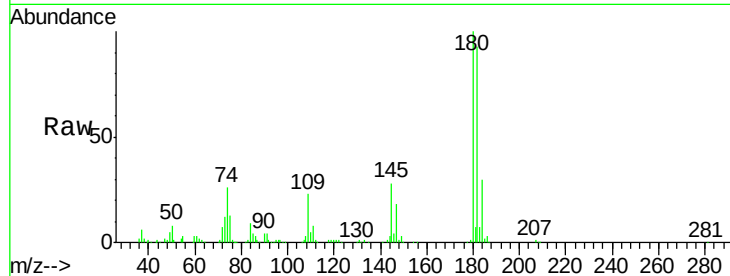
#93
 1,2,4-Trichlorobenzene
 Concen: 45.161 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	352861		
182	94.2	48.6	145.9	
145	28.8	13.8	41.3	

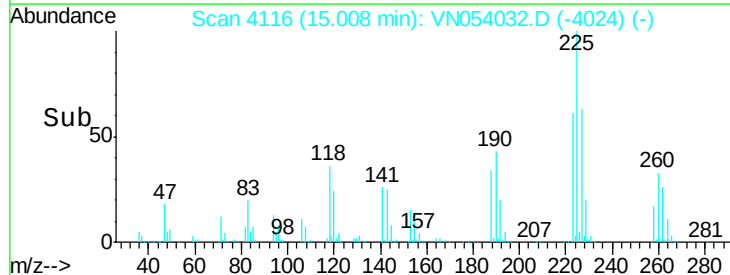
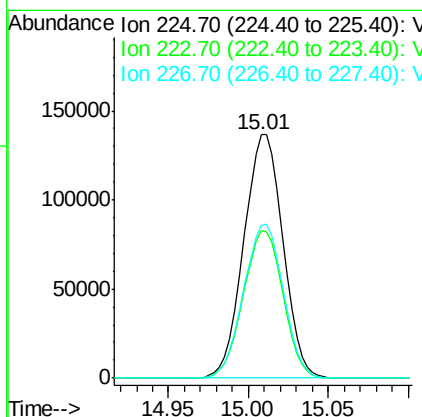
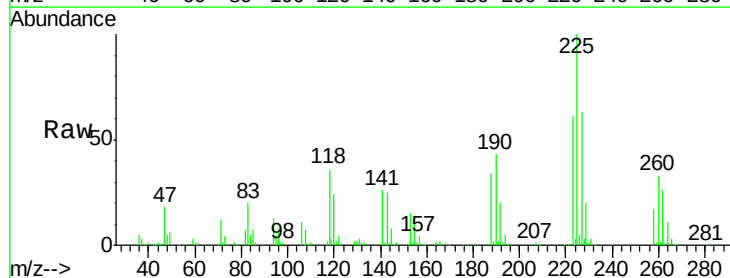
Manual Integrations
 APPROVED

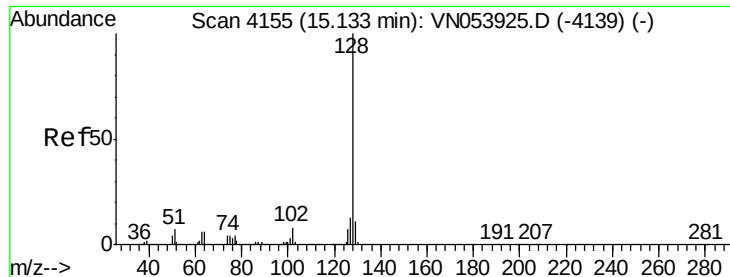
MMDadoda
 3/4/2019 1:53:35 PM



#94
 Hexachlorobutadiene
 Concen: 44.861 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	229123		
223	61.3	30.9	92.5	
227	64.1	32.5	97.4	





#95

Naphthalene

Concen: 41.967 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

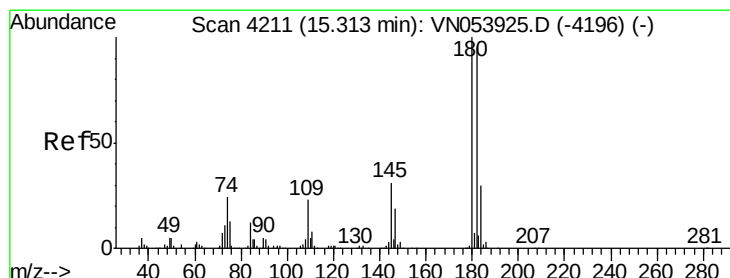
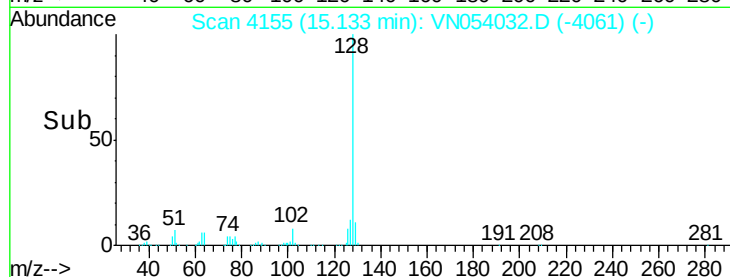
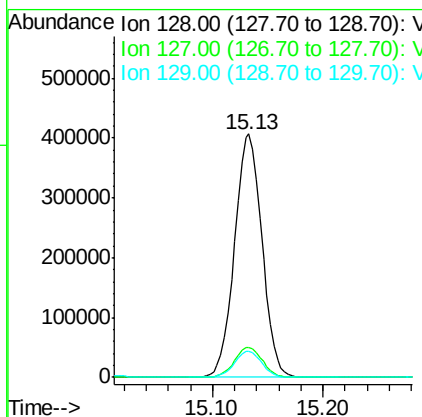
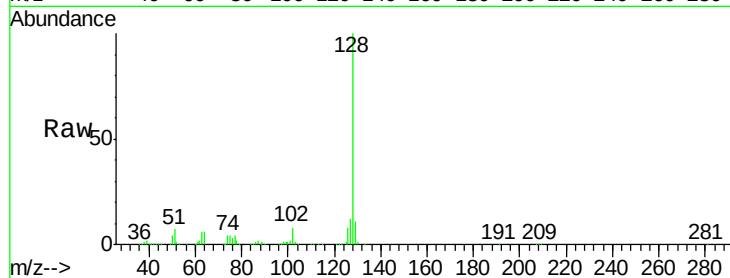
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	700565
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
3/4/2019 1:53:35 PM



#96

1,2,3-Trichlorobenzene

Concen: 43.815 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Tgt Ion:	180	Resp:	328524
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.3	141.8
145	30.9	14.4	43.0

