

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054594.D
 Acq On : 23 Mar 2019 8:45
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 12:53:43 PM

Quant Time: Mar 25 02:27:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	462299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	780050	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	674428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	296085	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	334432	58.16	ug/l	0.00
Spiked Amount			Recovery	=	116.32%	
35) Dibromofluoromethane	7.59	113	261114	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
50) Toluene-d8	10.09	98	972617	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.40	95	331356	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	230205	52.089	ug/l	98
3) Chloromethane	2.06	50	327548	54.473	ug/l	99
4) Vinyl Chloride	2.19	62	302882	50.170	ug/l	97
5) Bromomethane	2.57	94	165024	42.273	ug/l	96
6) Chloroethane	2.71	64	168022	46.402	ug/l	99
7) Trichlorofluoromethane	3.02	101	358985	48.964	ug/l	97
8) Diethyl Ether	3.41	74	134528	47.711	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.75	101	183861	42.671	ug/l	93
10) Methyl Iodide	3.94	142	288427	45.506	ug/l	91
11) Tert butyl alcohol	4.82	59	105097	301.887	ug/l	100
12) 1,1-Dichloroethene	3.73	96	193960	43.498	ug/l #	75
13) Acrolein	3.61	56	109567	228.061	ug/l	97
14) Allyl chloride	4.32	41	446464	53.172	ug/l #	90
15) Acrylonitrile	5.00	53	550400	317.476	ug/l	100
16) Acetone	3.82	43	382737	221.386	ug/l #	85
17) Carbon Disulfide	4.04	76	511768	42.834	ug/l	99
18) Methyl Acetate	4.33	43	244591	63.475	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	752830	57.850	ug/l	96
20) Methylene Chloride	4.54	84	272349	53.441	ug/l #	84
21) trans-1,2-Dichloroethene	5.03	96	249697	54.840	ug/l #	84
22) Diisopropyl ether	5.96	45	989769	59.760	ug/l #	91
23) Vinyl Acetate	5.90	43	3576732	305.772	ug/l #	93
24) 1,1-Dichloroethane	5.84	63	511211	57.326	ug/l	97
25) 2-Butanone	6.85	43	685474	309.523	ug/l	90
26) 2,2-Dichloropropane	6.82	77	207548	32.649	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	289670	53.337	ug/l	91
28) Bromochloromethane	7.19	49	259980	59.228	ug/l #	72
29) Tetrahydrofuran	7.22	42	477692	332.391	ug/l #	84
30) Chloroform	7.37	83	489735	56.273	ug/l	99
31) Cyclohexane	7.65	56	464170	54.487	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	394998	55.014	ug/l	96
36) 1,1-Dichloropropene	7.79	75	360344	49.406	ug/l	96
37) Ethyl Acetate	6.94	43	308476	59.466	ug/l	96
38) Carbon Tetrachloride	7.77	117	332473	46.909	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	380275	45.580	ug/l	89
40) Benzene	8.04	78	1094107	52.459	ug/l	99
41) Methacrylonitrile	7.18	41	172674	54.582	ug/l	89
42) 1,2-Dichloroethane	8.13	62	399435	52.589	ug/l	97
43) Isopropyl Acetate	8.17	43	521872	59.569	ug/l #	94
44) Trichloroethene	8.84	130	286145	49.349	ug/l	95
45) 1,2-Dichloropropane	9.12	63	308816	55.142	ug/l	98
46) Dibromomethane	9.21	93	177931	53.256	ug/l	91
47) Bromodichloromethane	9.40	83	359127	51.794	ug/l	97
48) Methyl methacrylate	9.20	41	270808	56.952	ug/l	86
49) 1,4-Dioxane	9.20	88	58662	1103.529	ug/l #	85
51) 4-Methyl-2-Pentanone	9.99	43	1503657	309.696	ug/l	94
52) Toluene	10.16	92	654892	51.053	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	325047	44.688	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	397284	49.971	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	245165	53.169	ug/l	96
56) Ethyl methacrylate	10.43	69	352409	56.942	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	436728	54.486	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	667549	261.941	ug/l	90
59) 2-Hexanone	10.75	43	947456	298.750	ug/l	92
60) Dibromochloromethane	10.90	129	248125	50.570	ug/l	99
61) 1,2-Dibromoethane	11.01	107	243446	53.404	ug/l	99
64) Tetrachloroethene	10.63	164	282601	50.518	ug/l	95
65) Chlorobenzene	11.43	112	697017	50.814	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	255762	51.947	ug/l	99
67) Ethyl Benzene	11.51	91	1233752	50.918	ug/l	98
68) m/p-Xylenes	11.62	106	908169	98.952	ug/l	95
69) o-Xylene	11.95	106	444881	49.635	ug/l	94
70) Styrene	11.96	104	749365	51.484	ug/l	97
71) Bromoform	12.13	173	151436	44.853	ug/l #	100
73) Isopropylbenzene	12.25	105	1176346	49.304	ug/l	99
74) N-amyl acetate	12.07	43	422707	61.616	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	302681	55.574	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	266620m	56.747	ug/l	
77) Bromobenzene	12.53	156	293318	49.569	ug/l	85
78) n-propylbenzene	12.59	91	1292502	49.958	ug/l	96
79) 2-Chlorotoluene	12.67	91	795180	49.287	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	959428	49.064	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	52072	38.955	ug/l #	72
82) 4-Chlorotoluene	12.77	91	777439	49.713	ug/l	96
83) tert-Butylbenzene	12.99	119	835410	49.080	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	951620	49.596	ug/l	98
85) sec-Butylbenzene	13.17	105	1036941	48.870	ug/l	98
86) p-Isopropyltoluene	13.29	119	923668	48.657	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	483439	49.300	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	476430	49.935	ug/l	98
89) n-Butylbenzene	13.62	91	734271	49.467	ug/l	98
90) Hexachloroethane	13.87	117	143179	48.591	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	483872	50.944	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45384	56.811	ug/l	85

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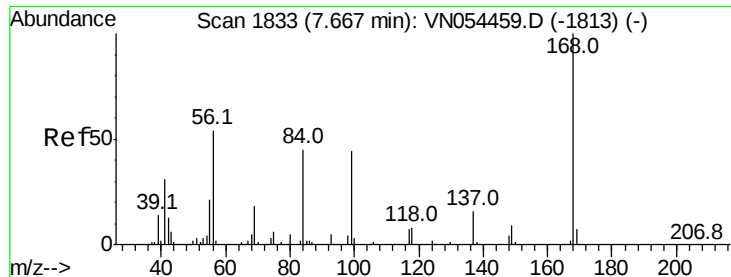
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	248778	52.542	ug/l	99
94) Hexachlorobutadiene	15.01	225	137009	51.580	ug/l	99
95) Naphthalene	15.13	128	606039	57.383	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	252088	53.494	ug/l	99

(#) = 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: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 462299

Ion Ratio Lower Upper

168 100

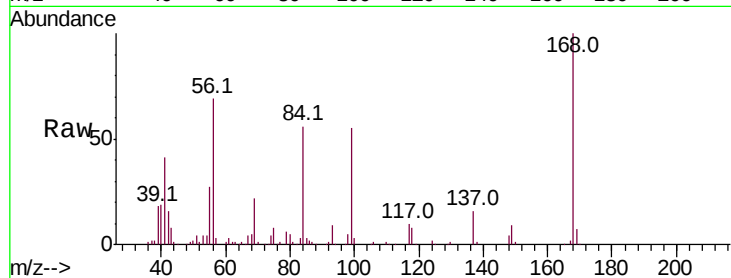
99 54.4 37.1 55.7

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

200000

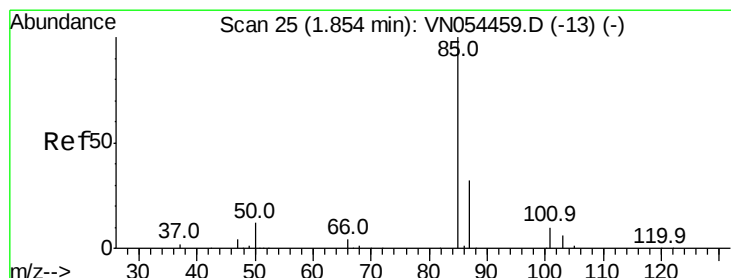
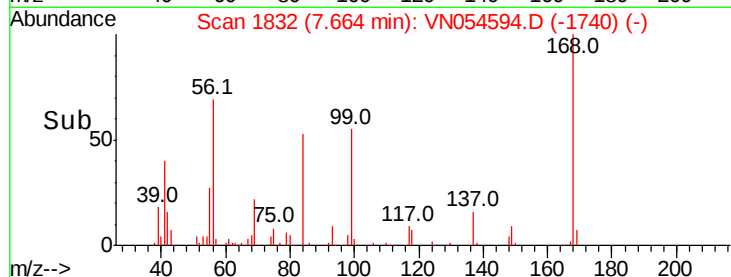
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 52.089 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054594.D

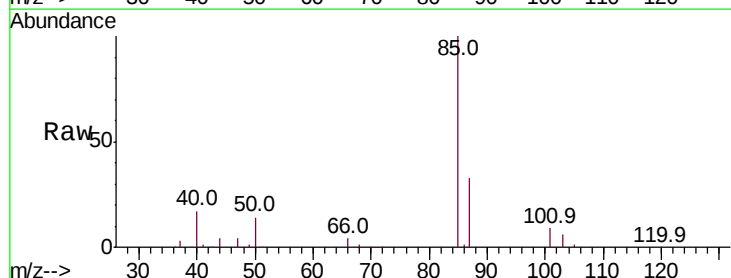
Acq: 23 Mar 2019 8:45

Tgt Ion: 85 Resp: 230205

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

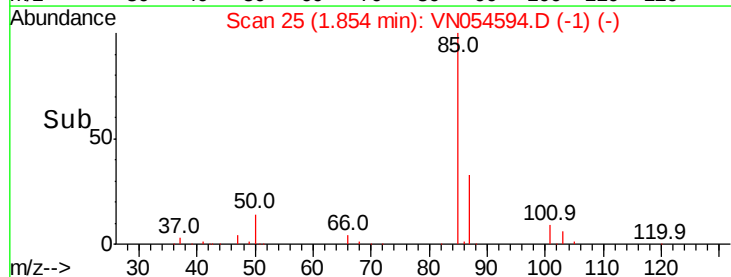
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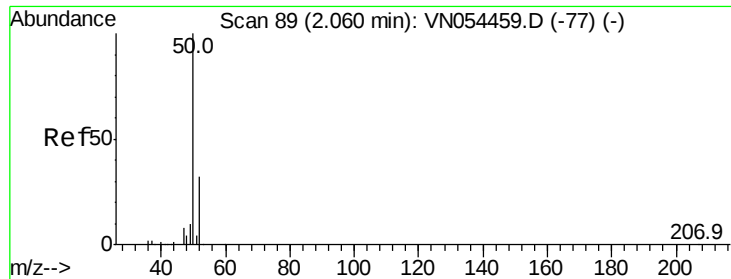
100000

50000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 54.473 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 327548

Ion Ratio Lower Upper

50 100

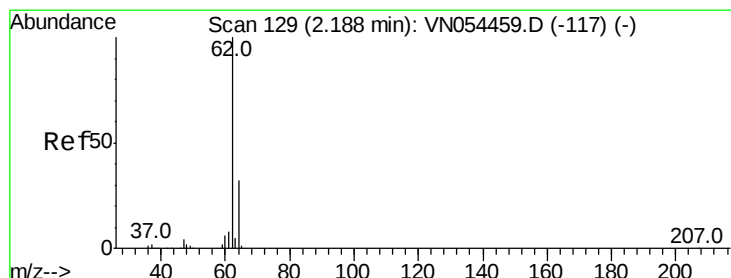
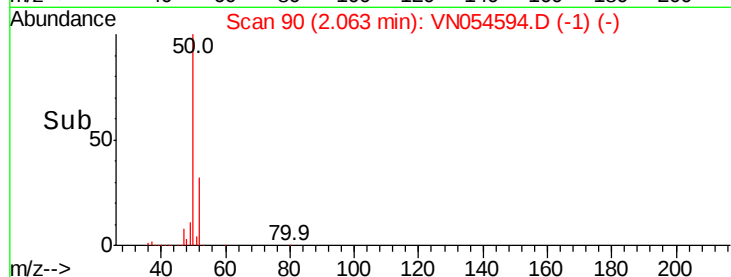
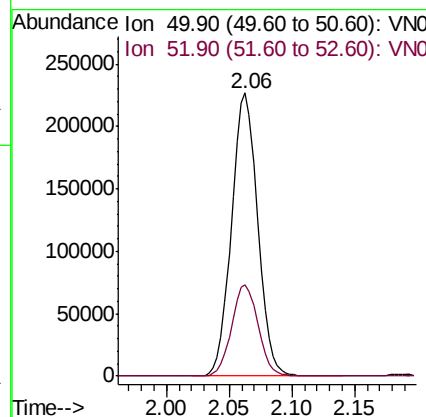
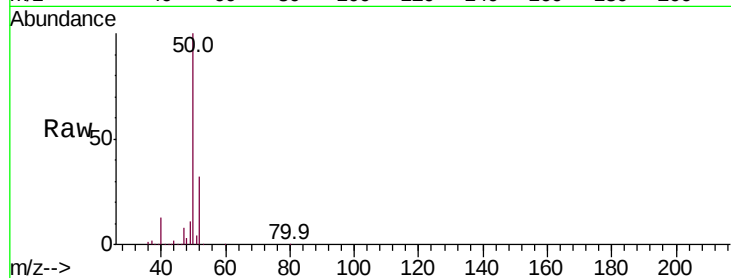
52 32.4 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.170 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054594.D

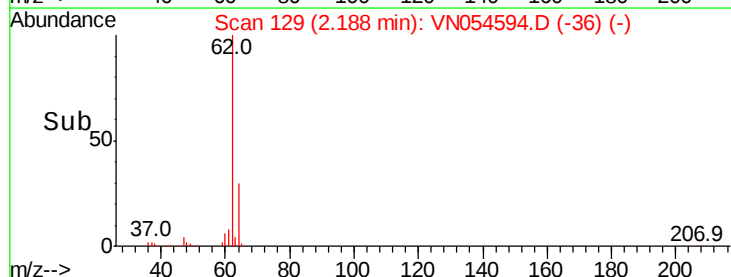
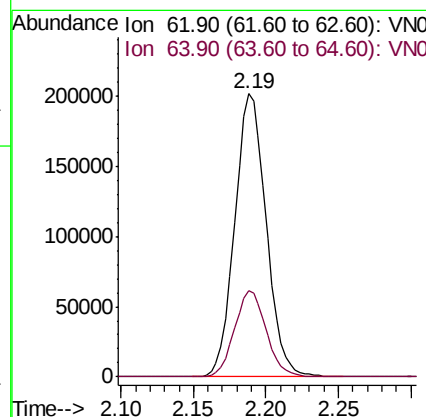
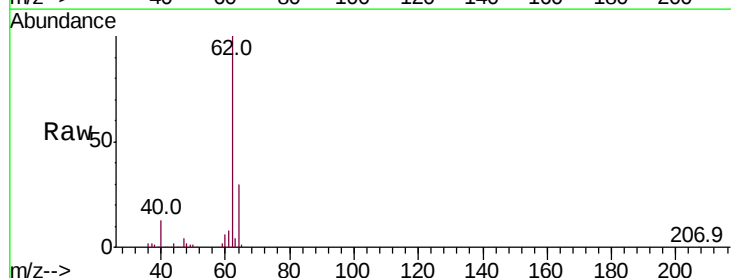
Acq: 23 Mar 2019 8:45

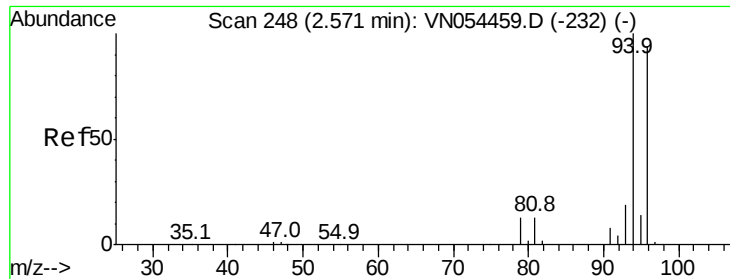
Tgt Ion: 62 Resp: 302882

Ion Ratio Lower Upper

62 100

64 30.4 25.5 38.3





#5

Bromomethane

Concen: 42.273 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

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Tot Ion: 94 Resp: 165024

Ion Ratio Lower Upper

94 100

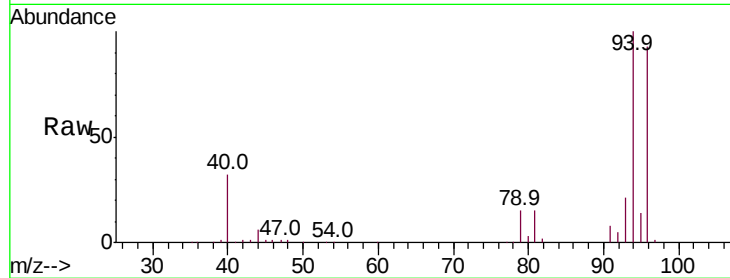
96 92.7 77.0 115.4

Manual Integrations

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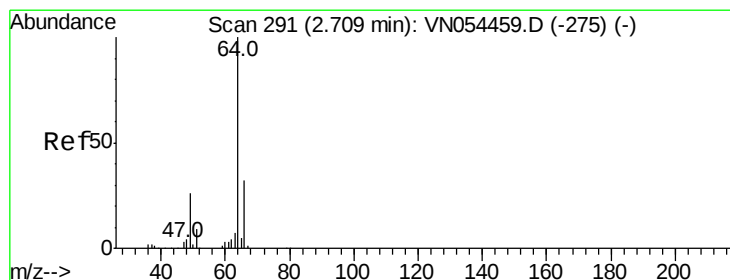
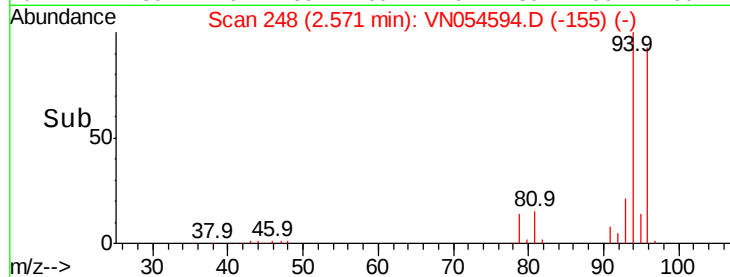
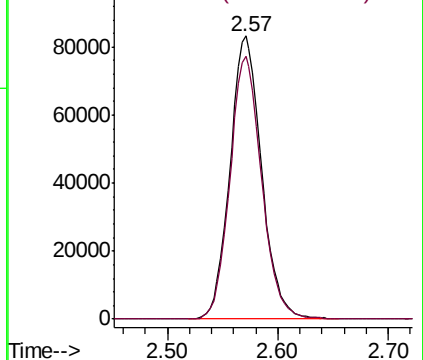
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.402 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054594.D

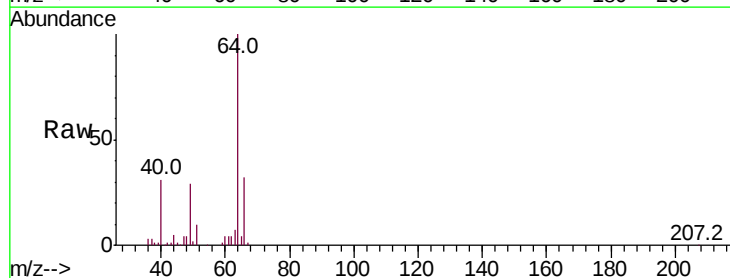
Acq: 23 Mar 2019 8:45

Tgt Ion: 64 Resp: 168022

Ion Ratio Lower Upper

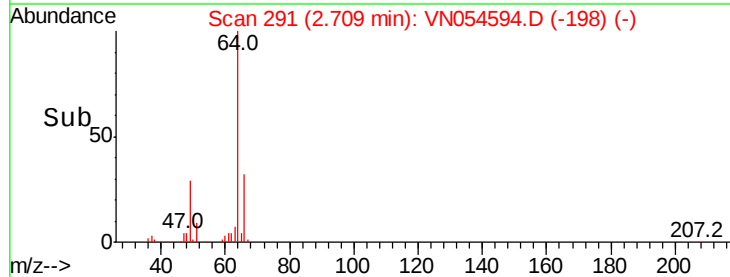
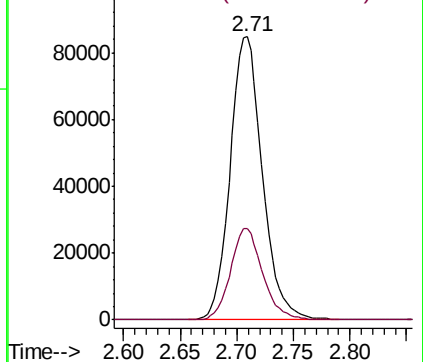
64 100

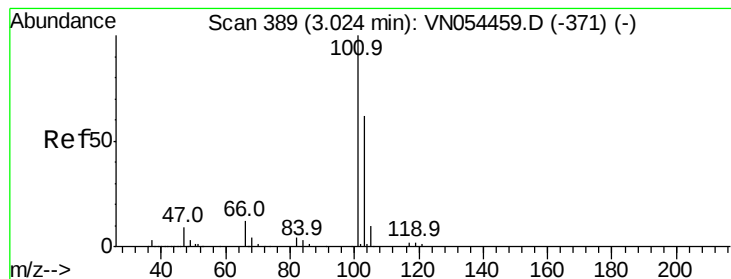
66 32.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

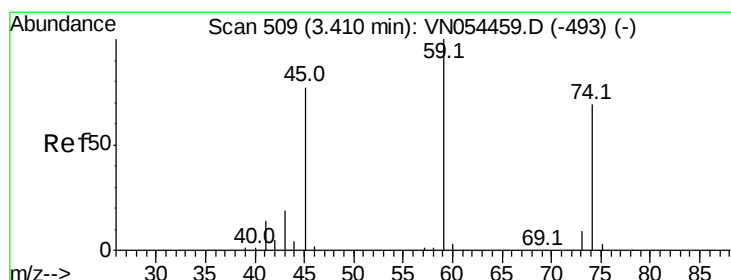
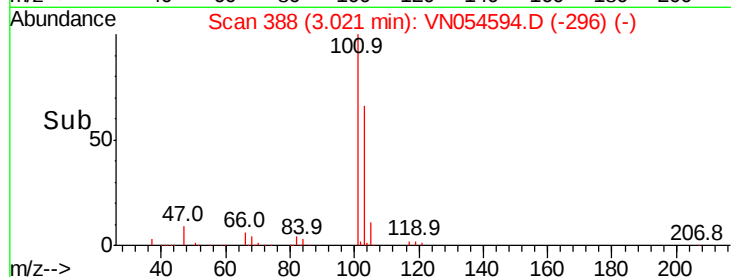
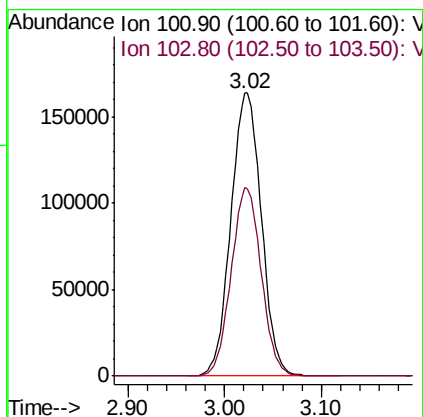
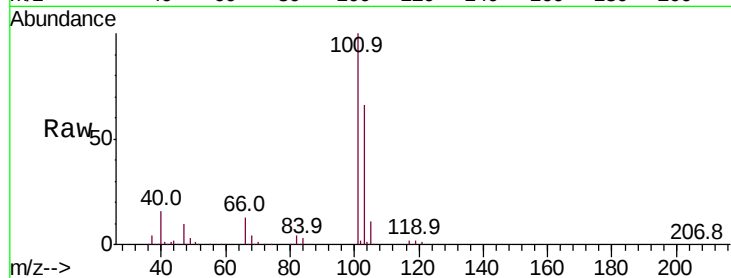
Trichlorofluoromethane
Concen: 48.964 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.4	77.2

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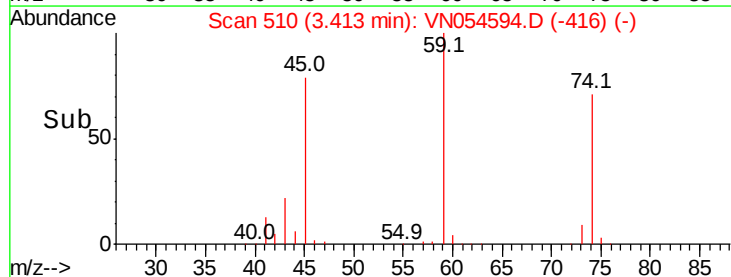
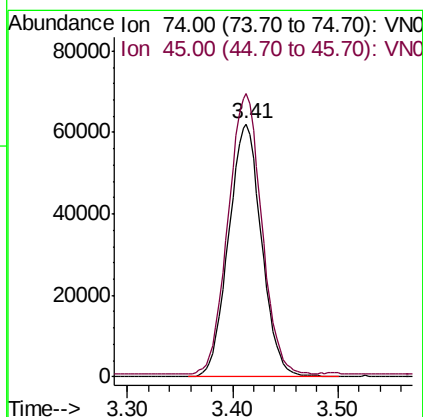
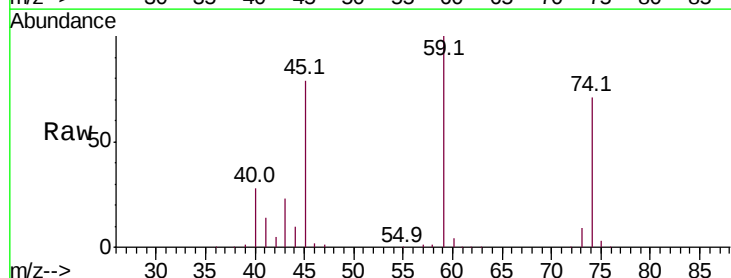
MMDadoda
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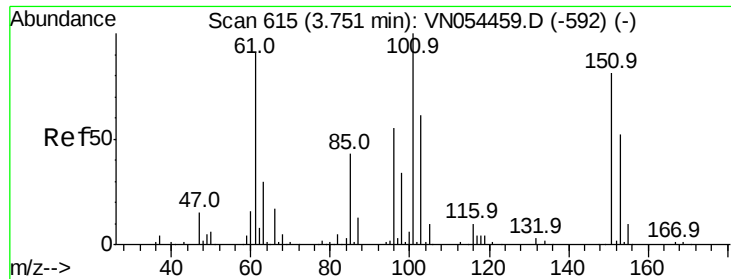


#8

Diethyl Ether
Concen: 47.711 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.7	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.671 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

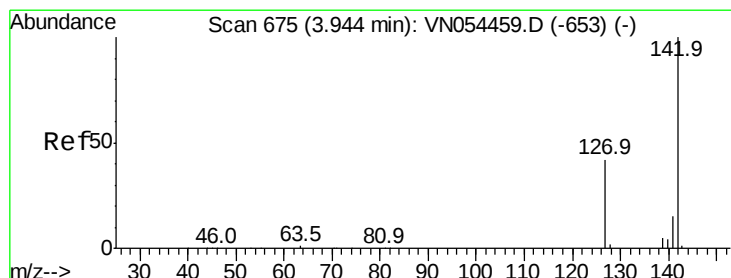
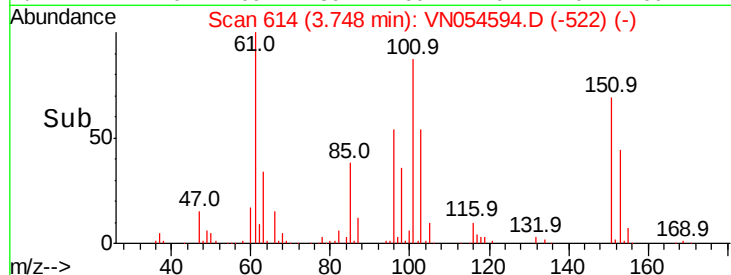
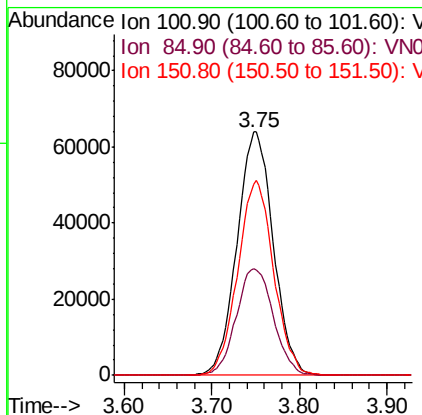
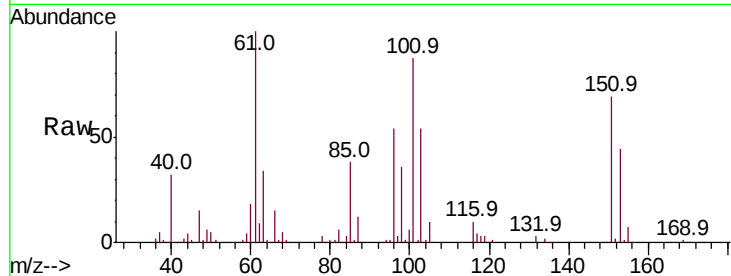
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	183861
Ion Ratio	Lower	Upper	
101	100		
85	44.9	32.4	48.6
151	79.1	68.2	102.2

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#10

Methyl Iodide

Concen: 45.506 ug/l

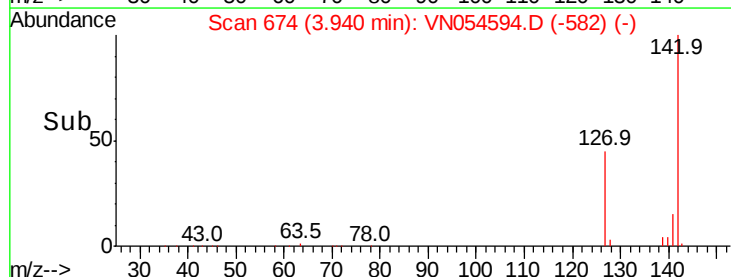
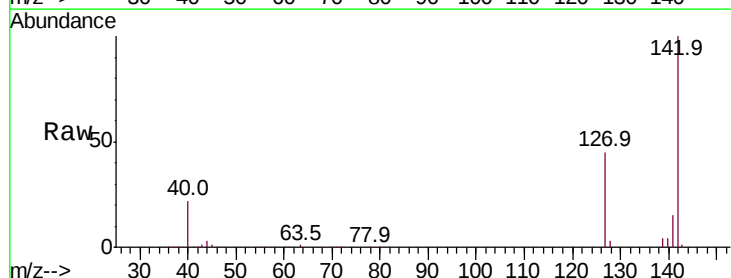
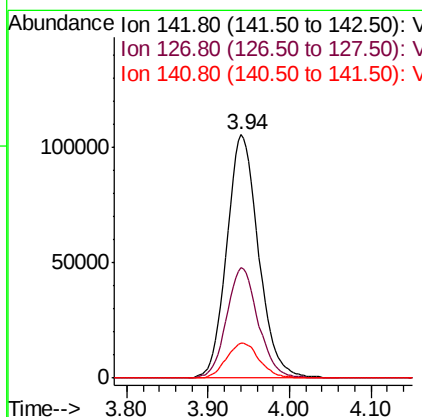
RT: 3.94 min Scan# 674

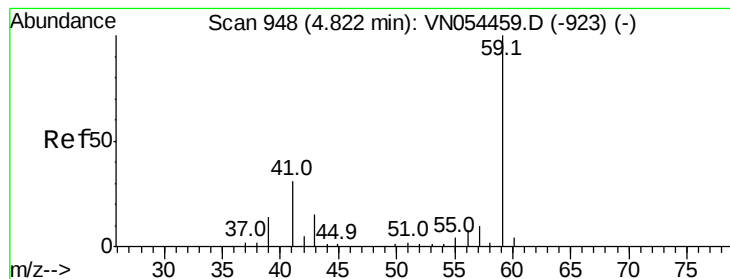
Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Tgt Ion:	142	Resp:	288427
Ion Ratio	Lower	Upper	
142	100		
127	45.1	30.3	45.5
141	15.0	11.2	16.8





#11

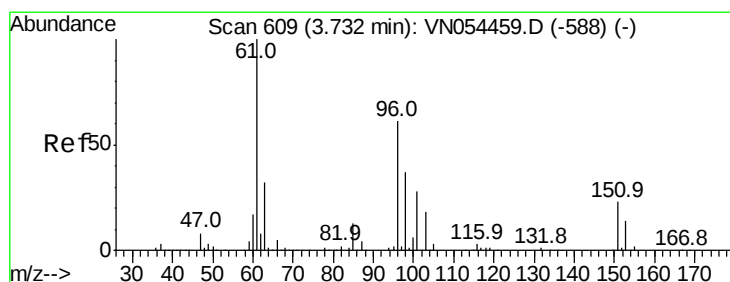
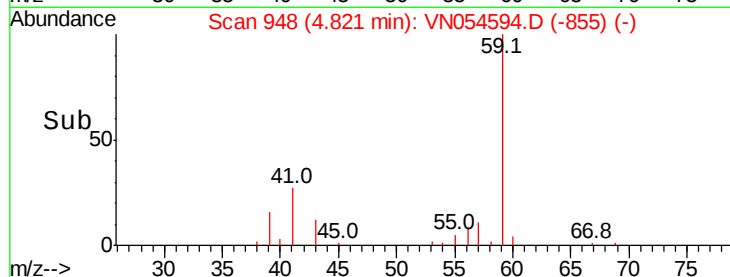
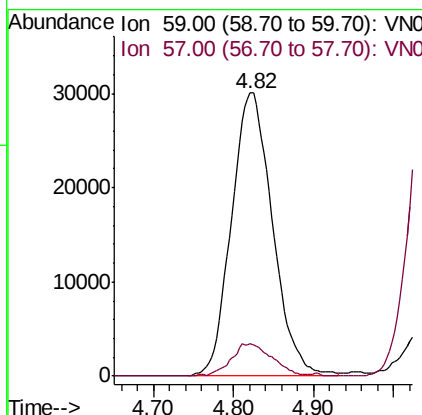
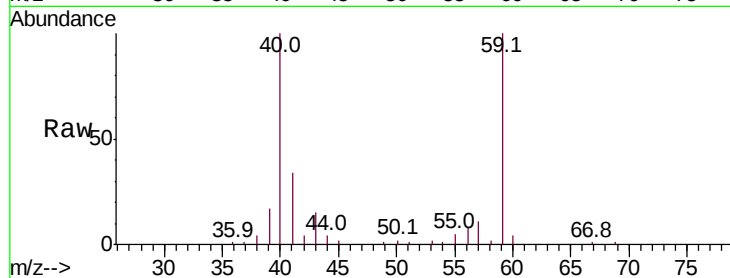
Tert butyl alcohol
 Concen: 301.887 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Ratio	59	Resp	Lower	Upper
59	100			105097		
57	11.5			9.0		13.6

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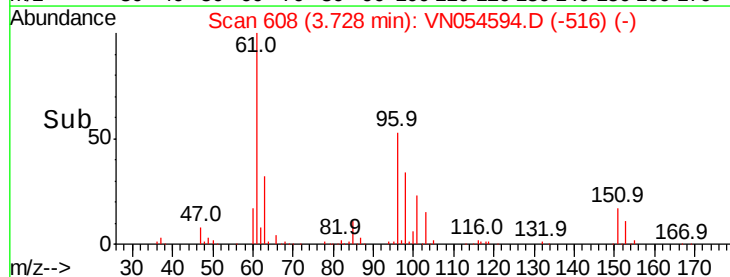
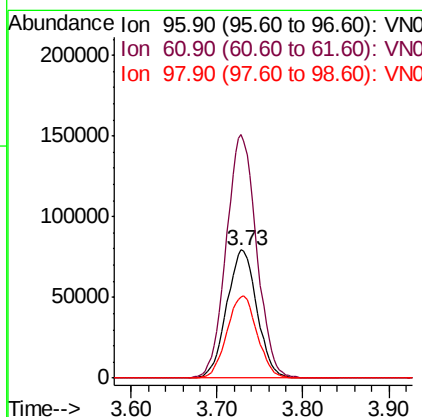
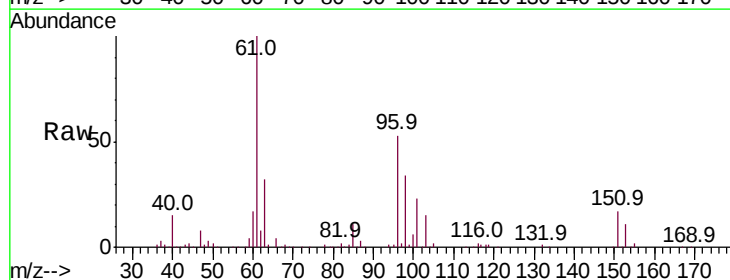
MMDadoda
 3/25/2019 12:53:43 PM

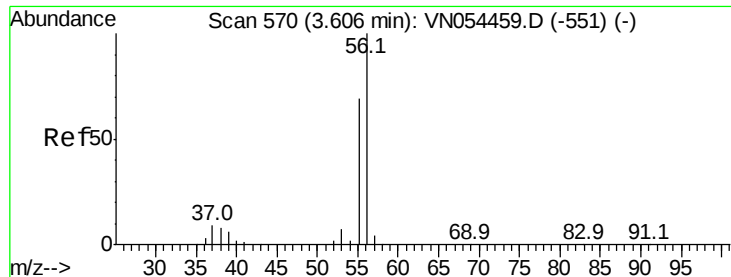


#12

1,1-Dichloroethene
 Concen: 43.498 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Tgt Ion	96	Ratio	Lower	Upper
96	100			
61	189.8		116.5	174.7#
98	63.8		51.0	76.4





#13

Acrolein

Concen: 228.061 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 109567

Ion Ratio Lower Upper

56 100

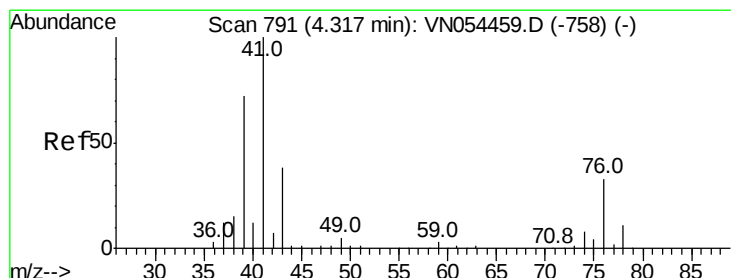
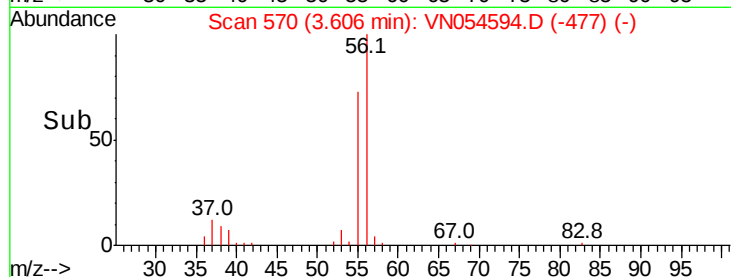
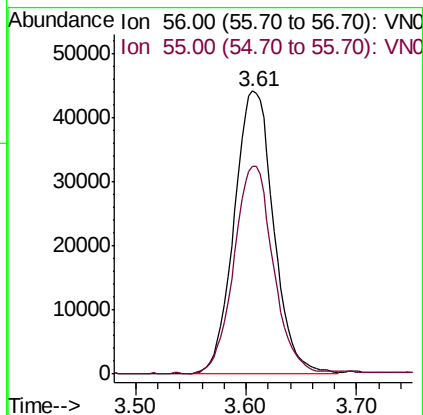
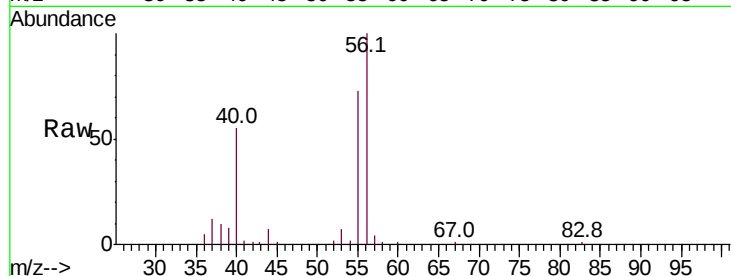
55 73.6 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 53.172 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

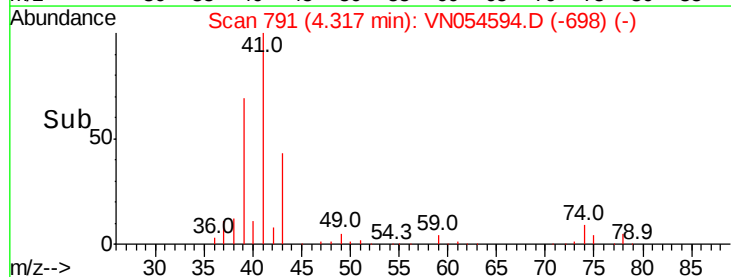
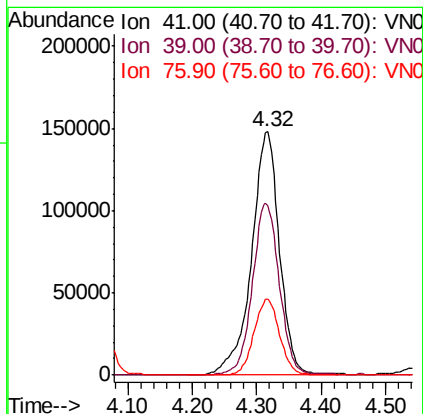
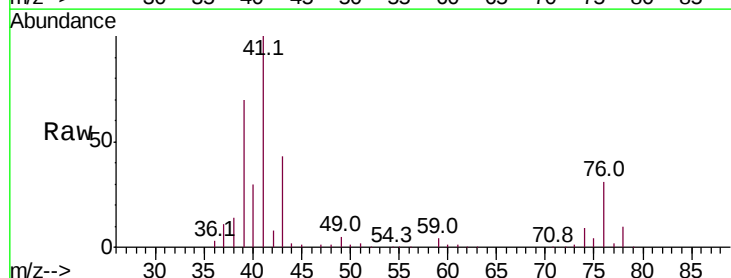
Tgt Ion: 41 Resp: 446464

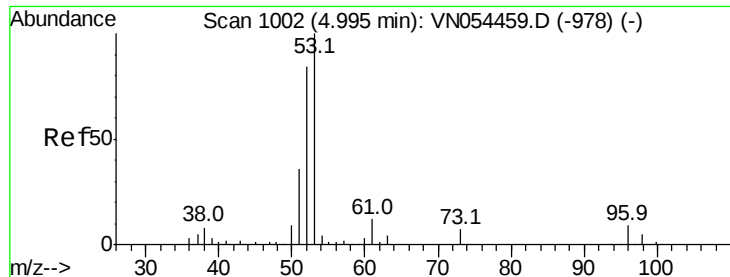
Ion Ratio Lower Upper

41 100

39 67.4 58.2 87.4

76 28.6 31.7 47.5#





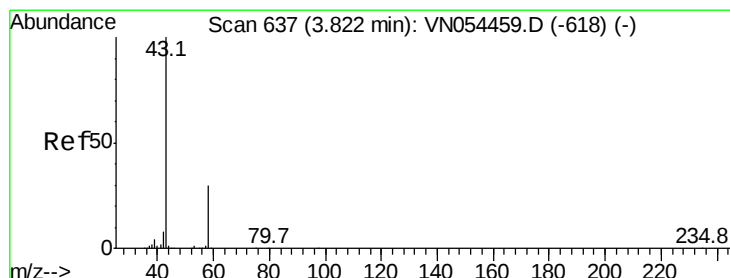
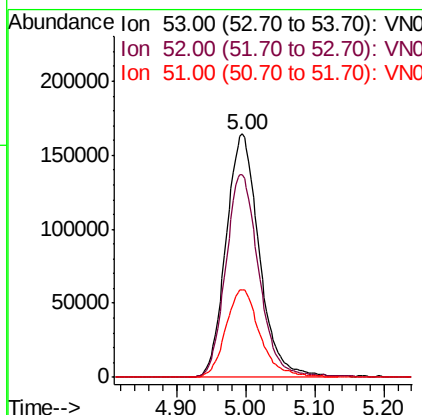
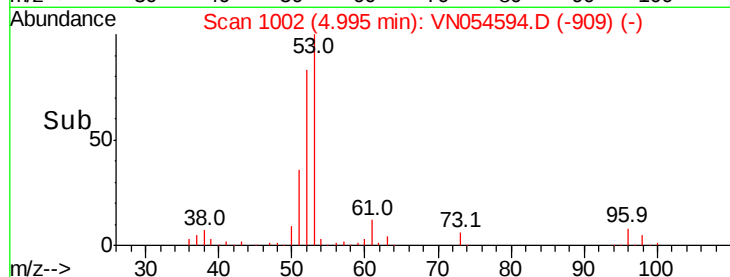
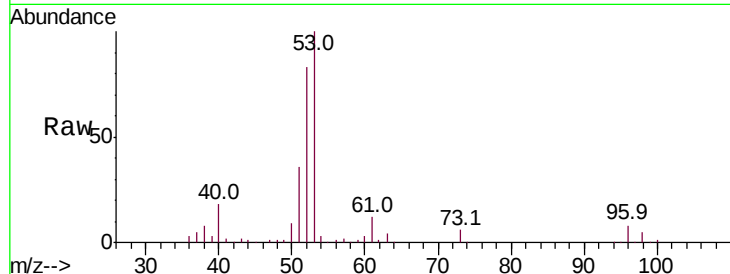
#15
 Acrylonitrile
 Concen: 317.476 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.4	99.6
51	37.3	29.6	44.4

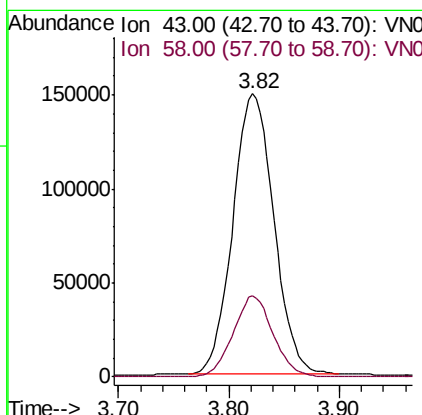
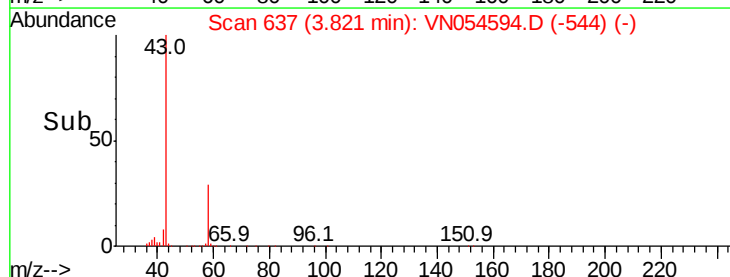
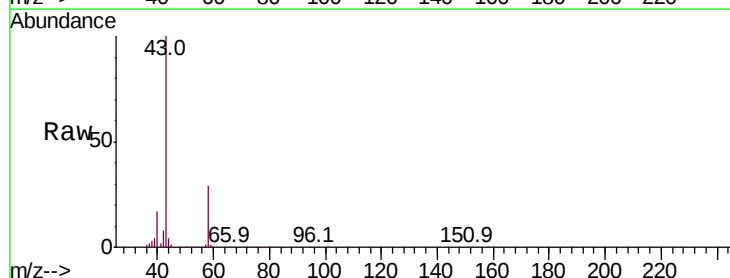
Manual Integrations
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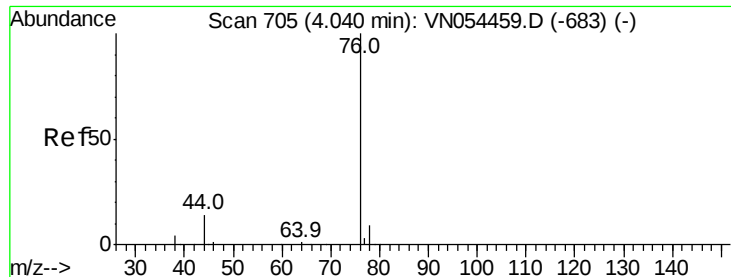
MMDadoda
 3/25/2019 12:53:43 PM



#16
 Acetone
 Concen: 221.386 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.7	29.9	44.9#





#17

Carbon Disulfide

Concen: 42.834 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 511768

Ion Ratio Lower Upper

76 100

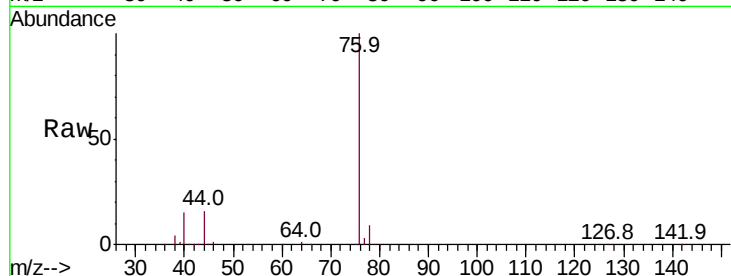
78 9.2 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

200000

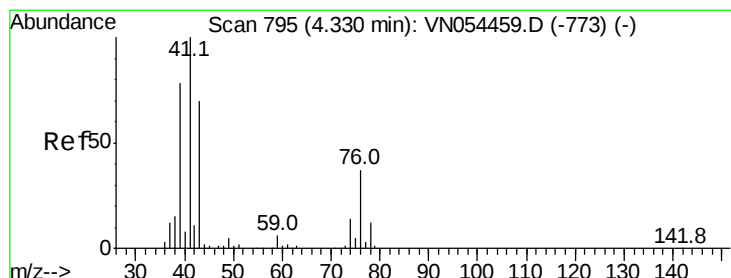
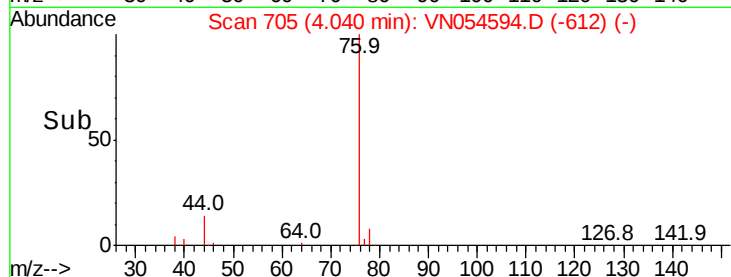
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 63.475 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054594.D

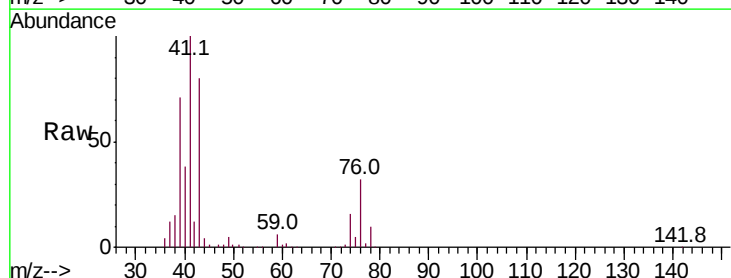
Acq: 23 Mar 2019 8:45

Tgt Ion: 43 Resp: 244591

Ion Ratio Lower Upper

43 100

74 20.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

100000

80000

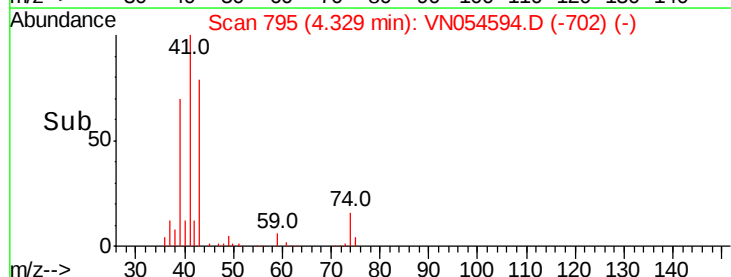
60000

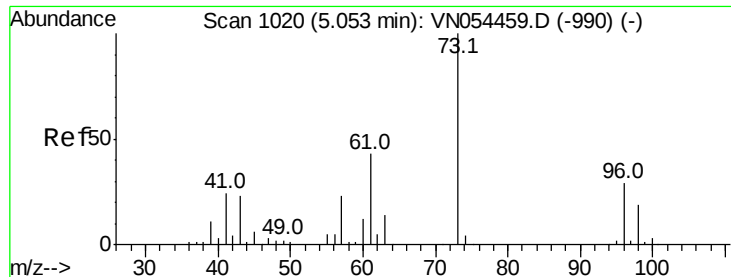
40000

20000

0

Time--> 4.20 4.30 4.40 4.50





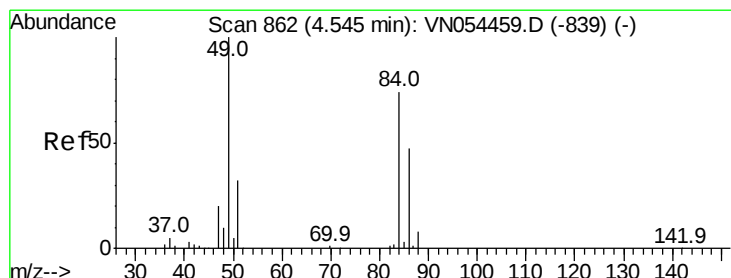
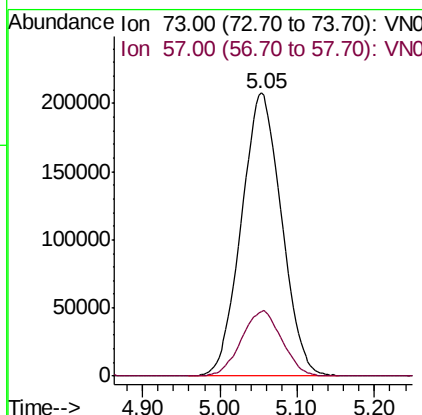
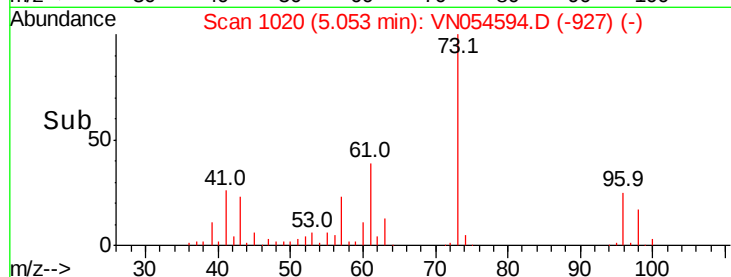
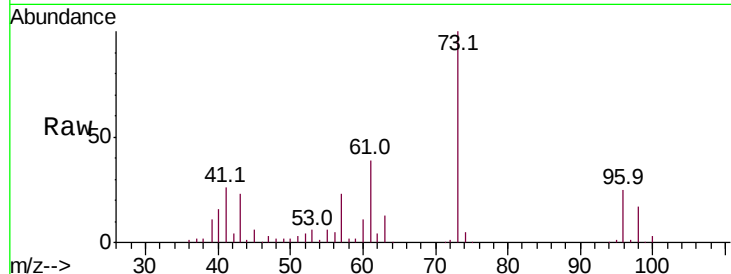
#19
Methvl tert-butvl Ether
Concen: 57.850 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 752830
Ion Ratio Lower Upper
73 100
57 22.8 16.8 25.2

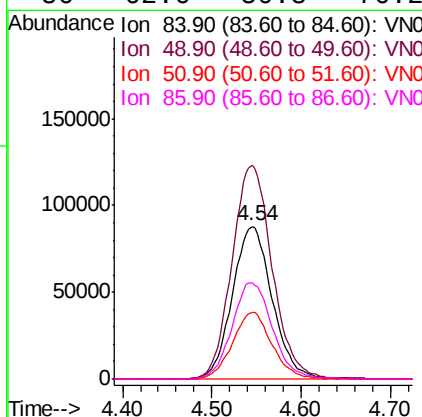
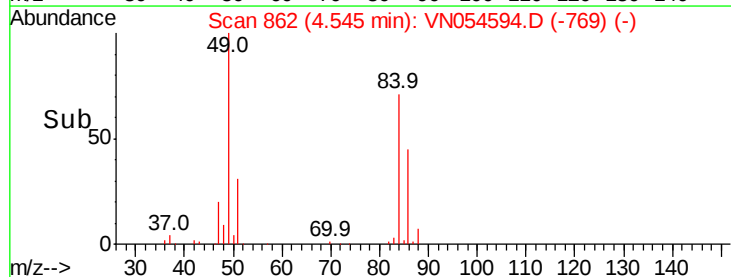
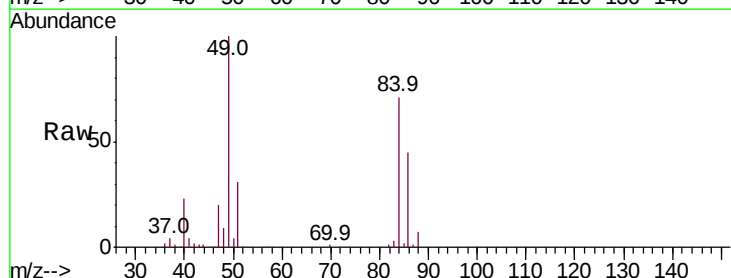
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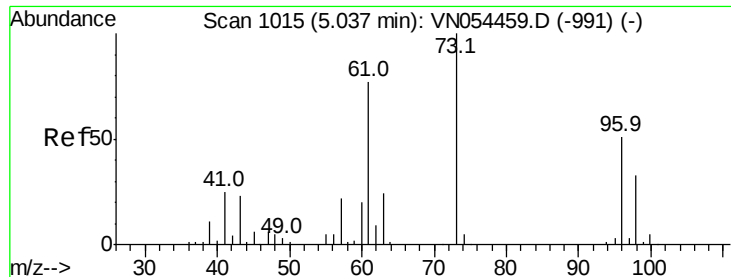
MMDadoda
3/25/2019 12:53:43 PM



#20
Methylene Chloride
Concen: 53.441 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion: 84 Resp: 272349
Ion Ratio Lower Upper
84 100
49 139.6 89.7 134.5#
51 43.9 28.2 42.4#
86 62.6 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 54.840 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 249697

Ion Ratio Lower Upper

96 100

61 155.2 102.8 154.2#

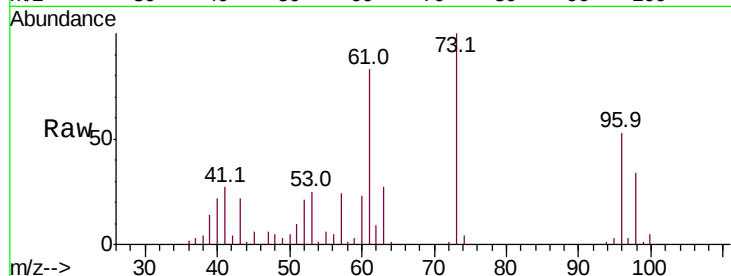
98 64.1 50.0 75.0

Manual Integrations

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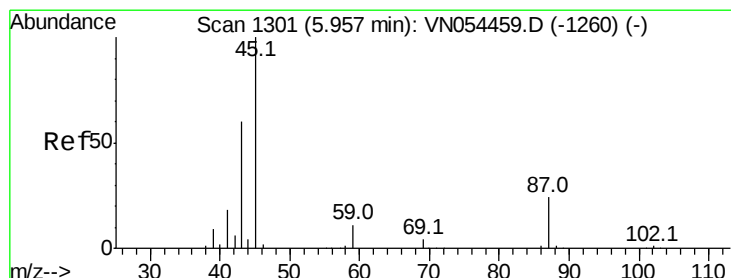
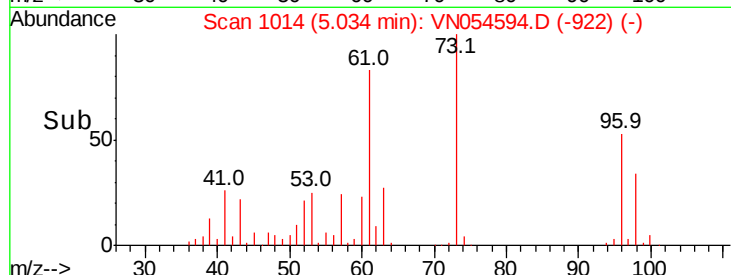
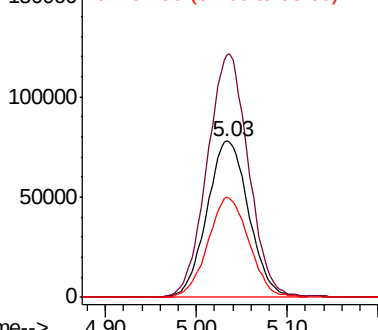


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 59.760 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Tgt Ion: 45 Resp: 989769

Ion Ratio Lower Upper

45 100

43 55.1 48.2 72.2

87 23.5 24.9 37.3#

59 10.4 9.5 14.3

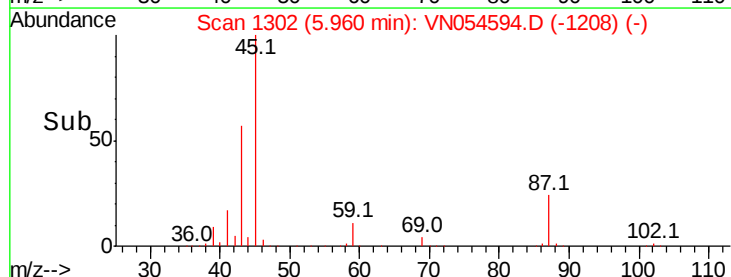
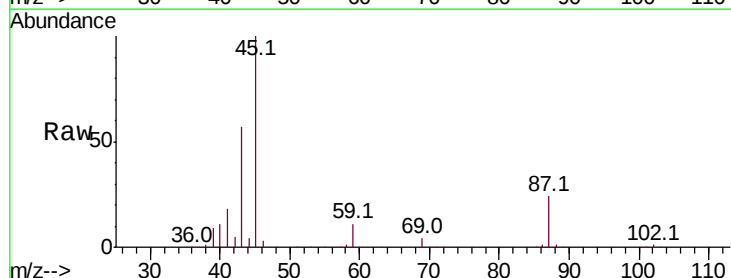
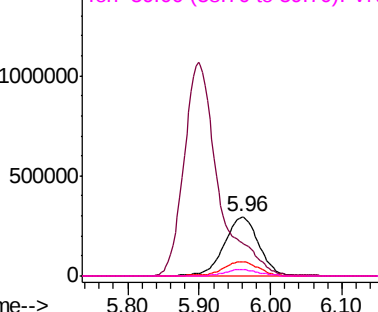
Abundance

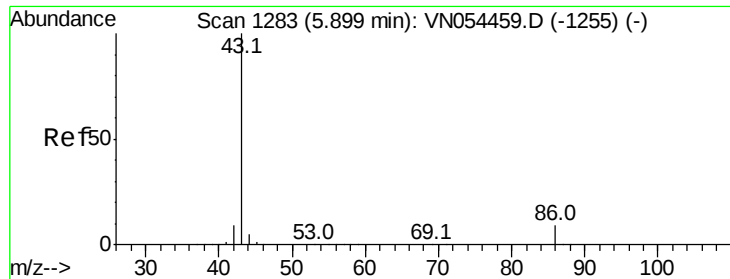
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 305.772 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3576732

Ion Ratio Lower Upper

43 100

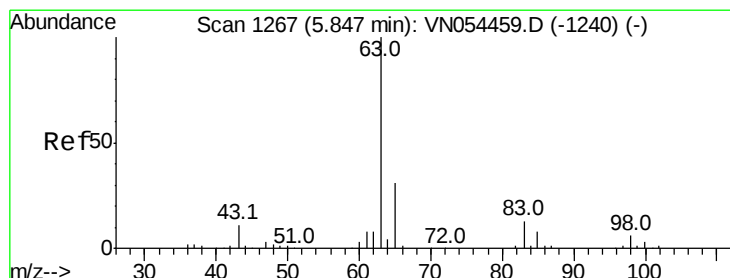
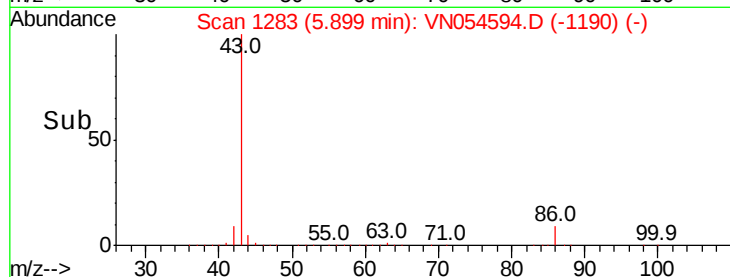
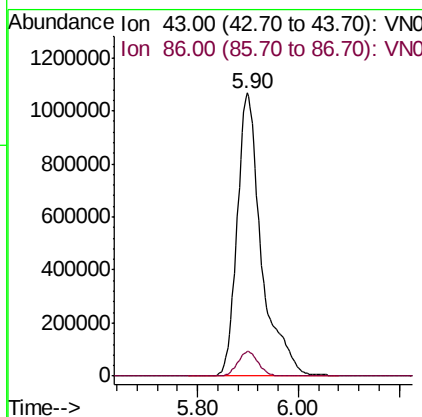
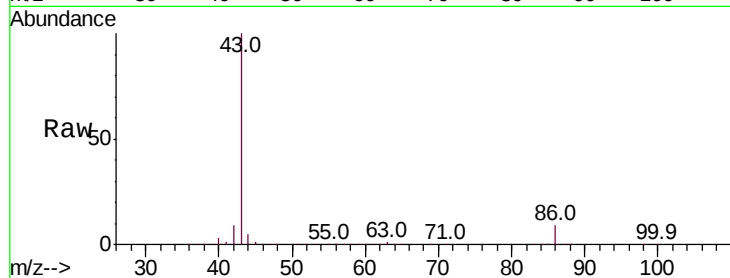
86 8.8 9.1 13.7#

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 57.326 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

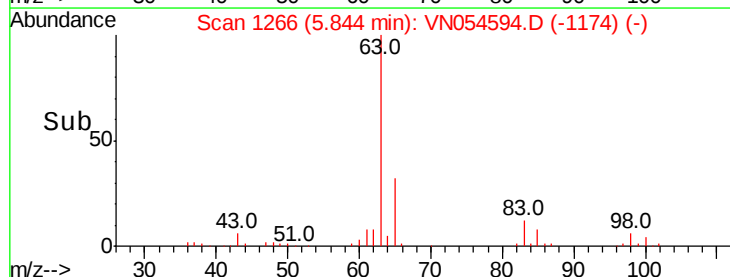
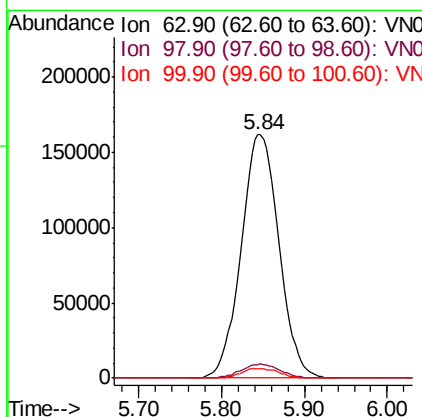
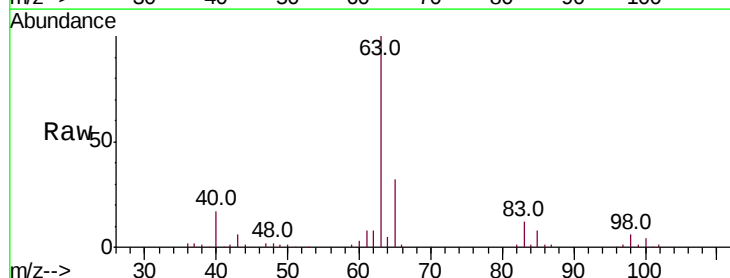
Tgt Ion: 63 Resp: 511211

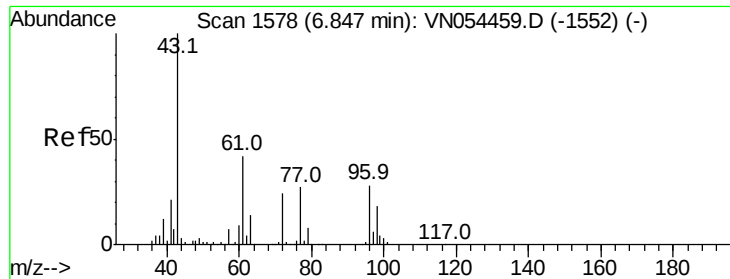
Ion Ratio Lower Upper

63 100

98 5.6 3.5 10.5

100 4.0 2.0 6.0





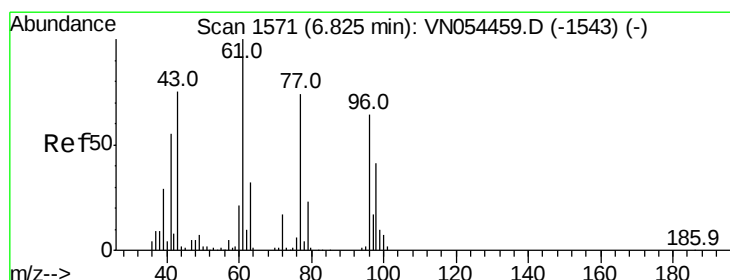
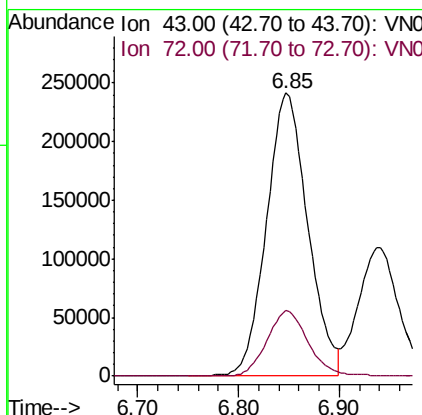
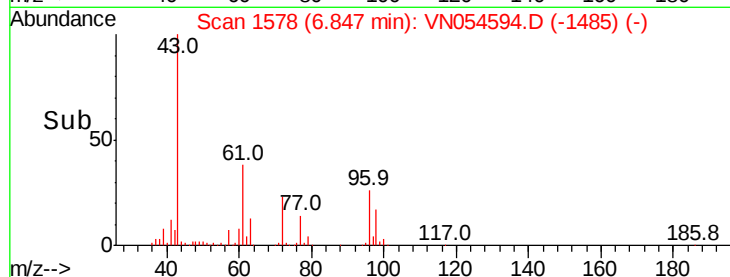
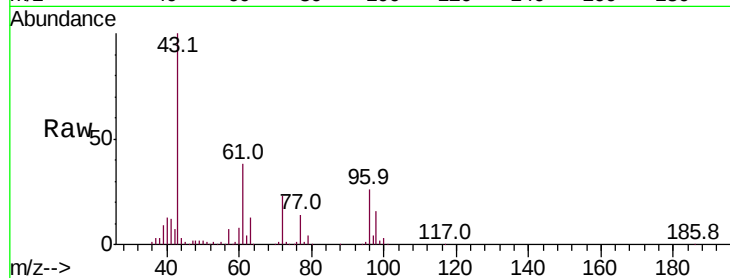
#25
2-Butanone
Concen: 309.523 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 685474
Ion Ratio Lower Upper
43 100
72 23.2 23.0 34.6

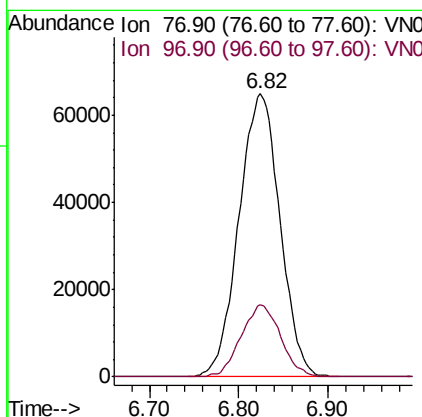
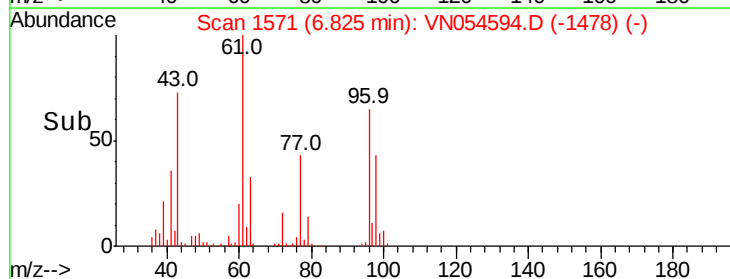
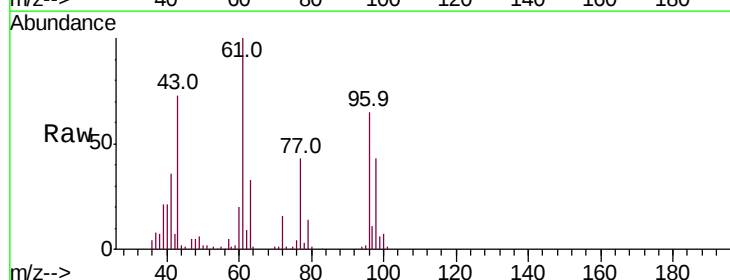
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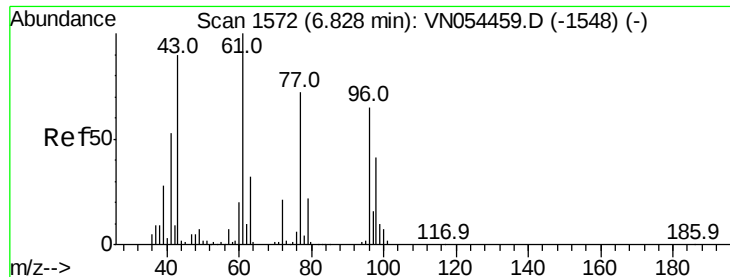
MMDadoda
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#26
2,2-Dichloropropane
Concen: 32.649 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion: 77 Resp: 207548
Ion Ratio Lower Upper
77 100
97 24.5 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 53.337 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

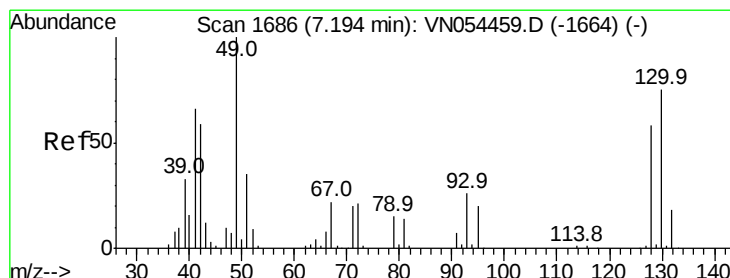
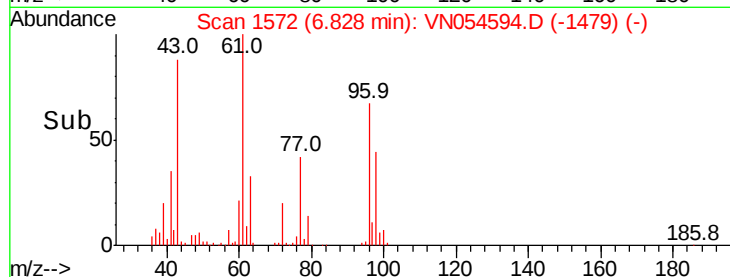
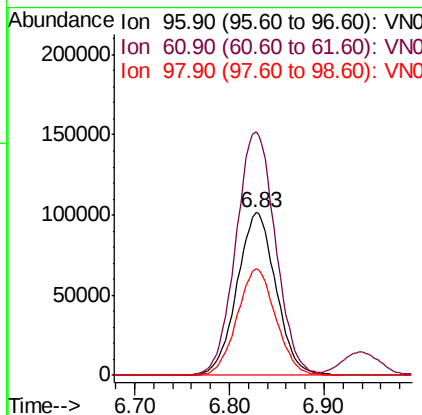
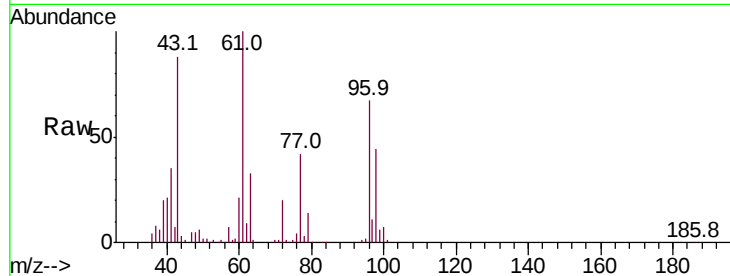
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	289670
Ion Ratio	Lower	Upper	
96	100		
61	152.8	0.0	273.0
98	65.1	0.0	130.6

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#28

Bromochloromethane

Concen: 59.228 ug/l

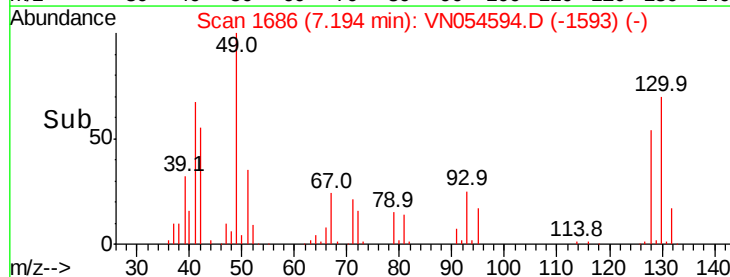
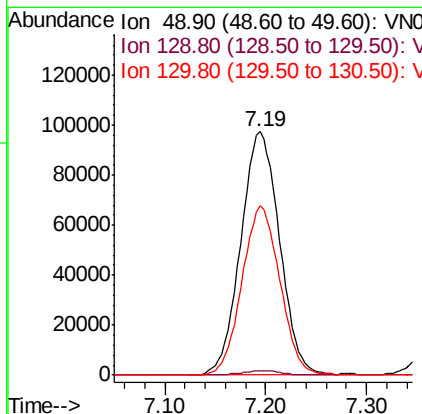
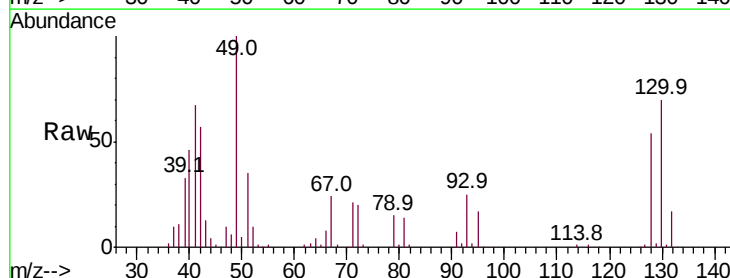
RT: 7.19 min Scan# 1686

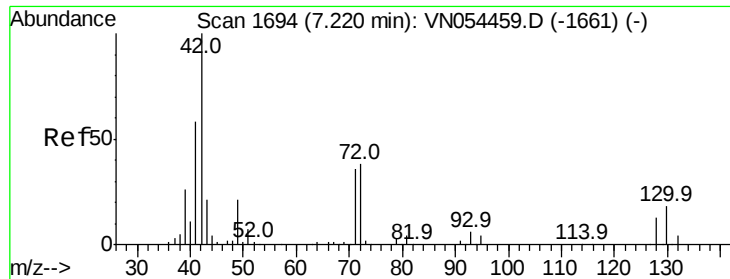
Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Tgt Ion:	49	Resp:	259980
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	4.6
130	67.9	76.7	115.1#





#29

Tetrahydrofuran

Concen: 332.391 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 42 Resp: 477692

Ion Ratio Lower Upper

42 100

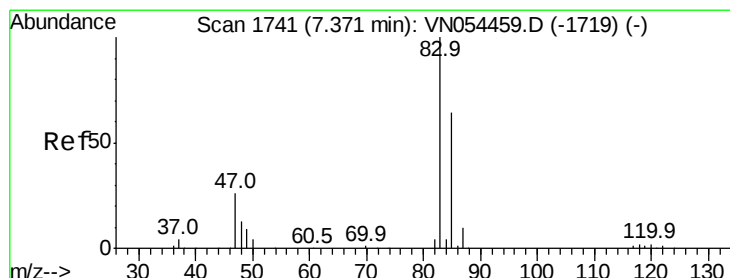
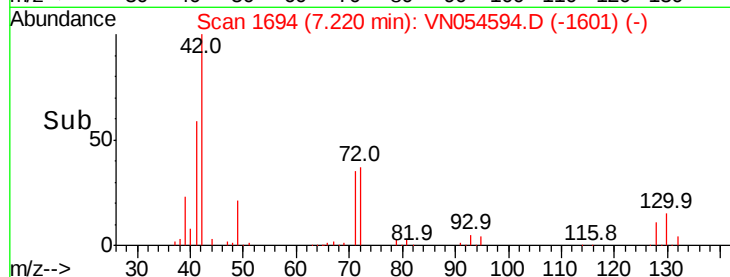
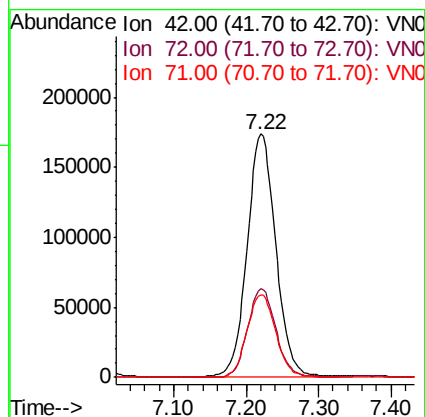
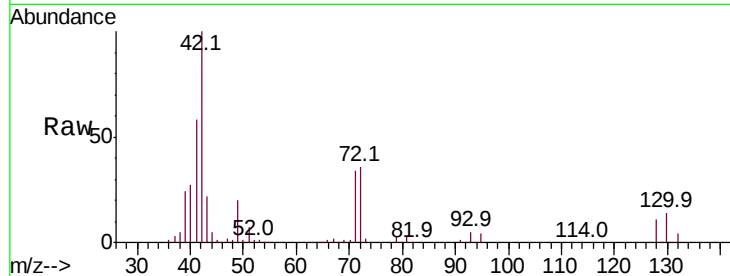
72 36.2 37.8 56.6#

71 34.4 36.2 54.2#

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#30

Chloroform

Concen: 56.273 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN054594.D

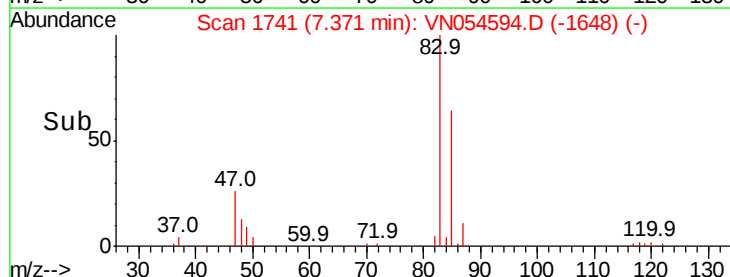
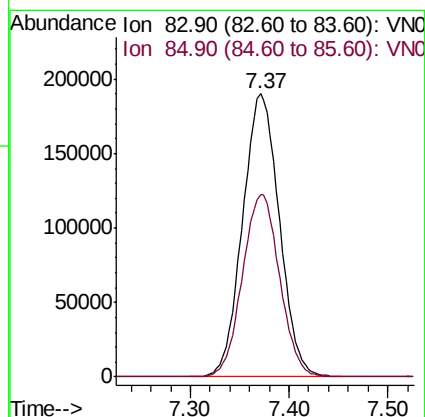
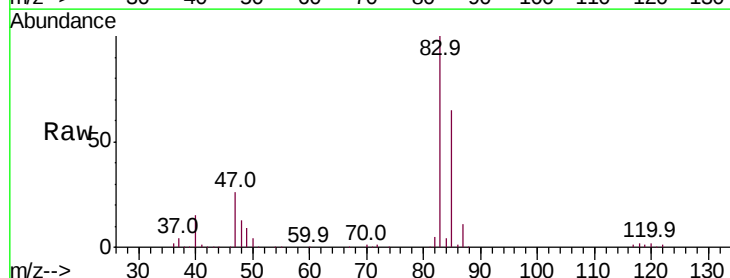
Acq: 23 Mar 2019 8:45

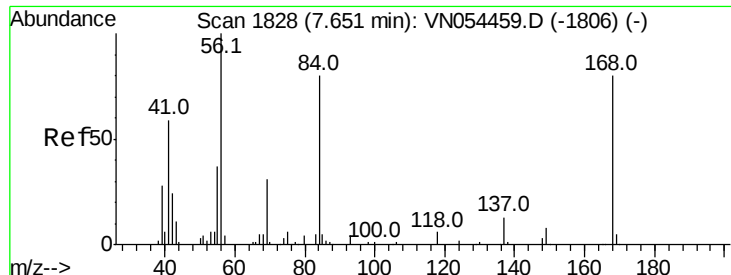
Tgt Ion: 83 Resp: 489735

Ion Ratio Lower Upper

83 100

85 64.6 52.2 78.4





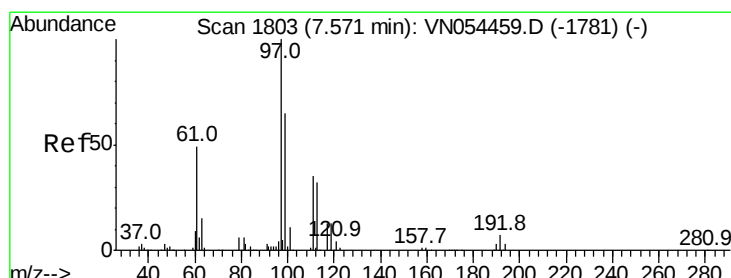
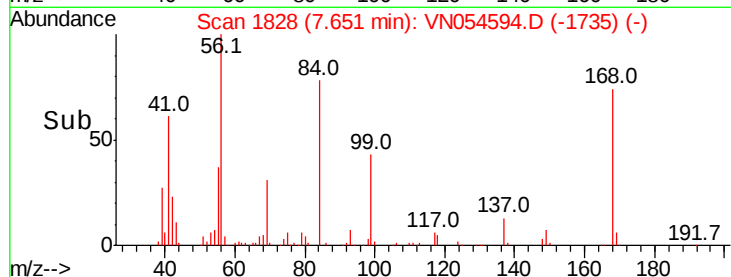
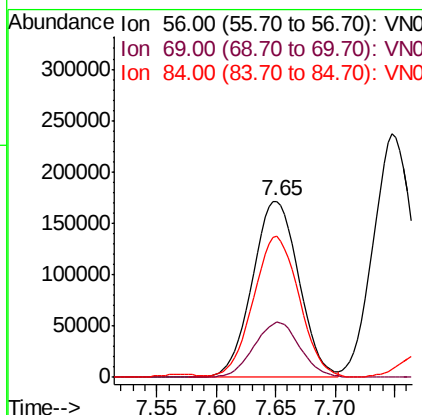
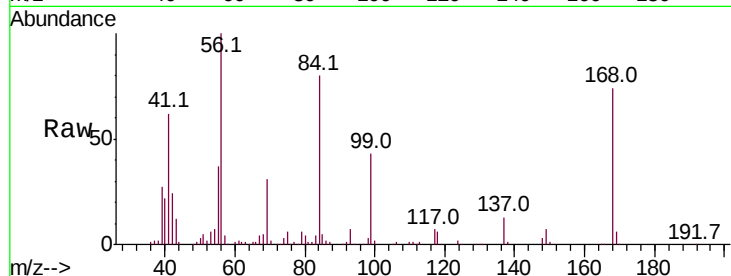
#31
Cyclohexane
Concen: 54.487 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	27.8	41.6
84	78.8	74.6	111.8

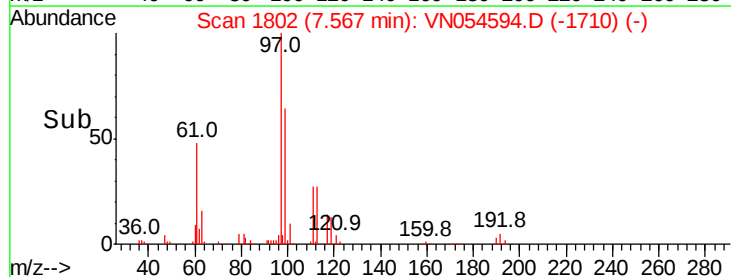
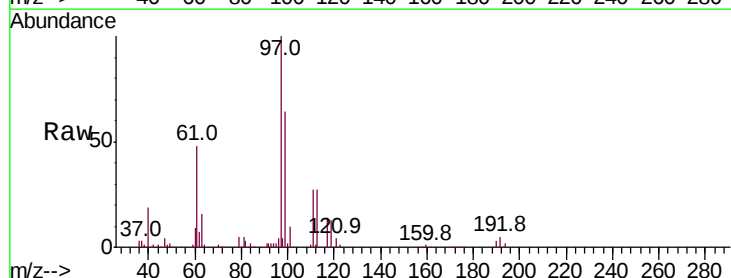
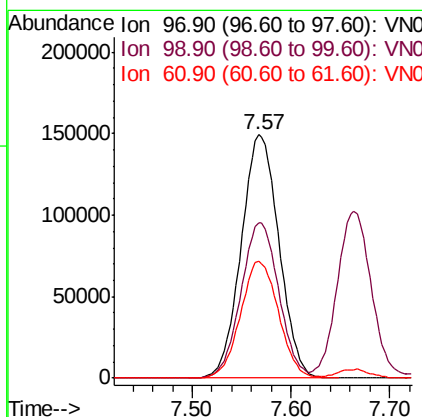
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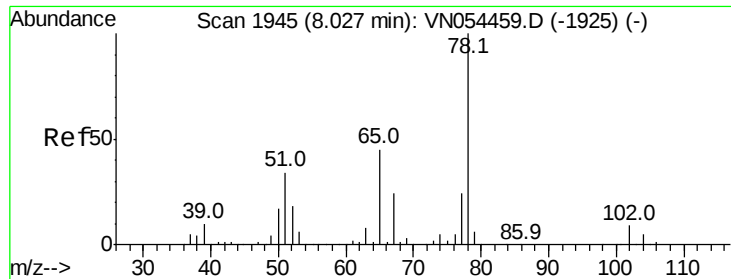
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#32
1,1,1-Trichloroethane
Concen: 55.014 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.5	77.3
61	48.4	33.6	50.4





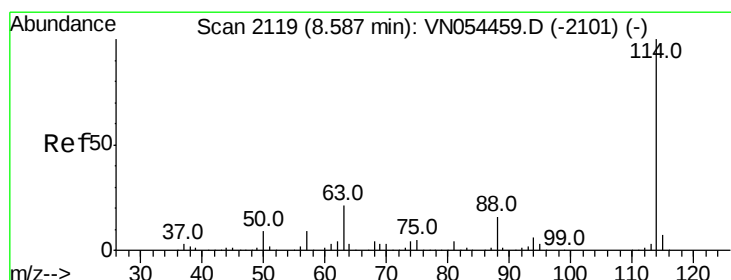
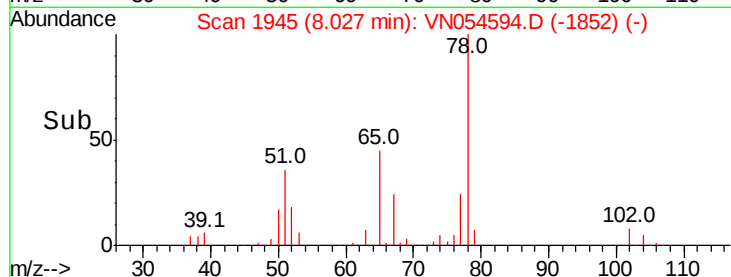
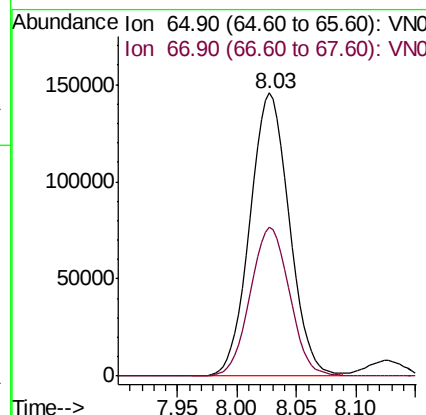
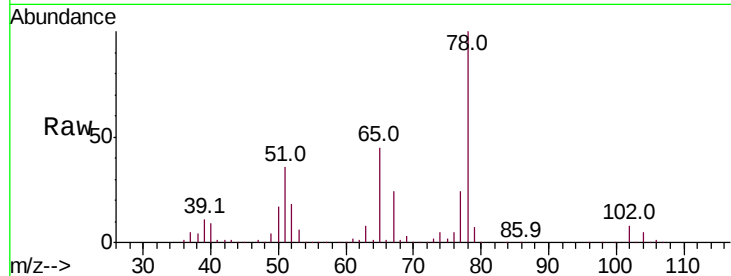
#33
 1,2-Dichloroethane-d4
 Concen: 58.159 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.5	0.0	104.6	

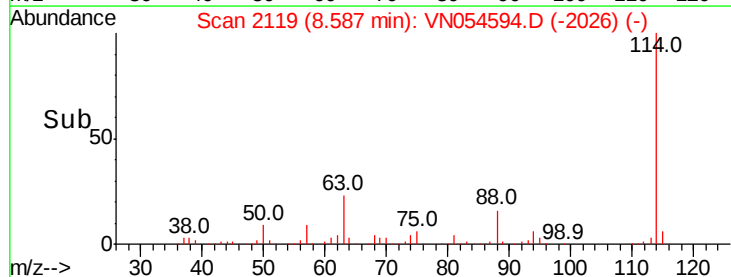
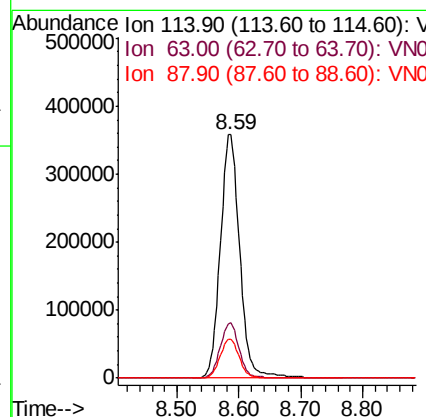
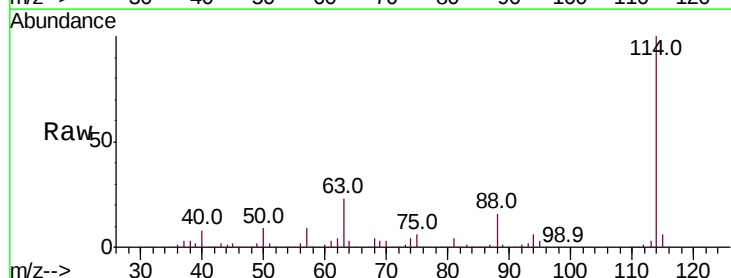
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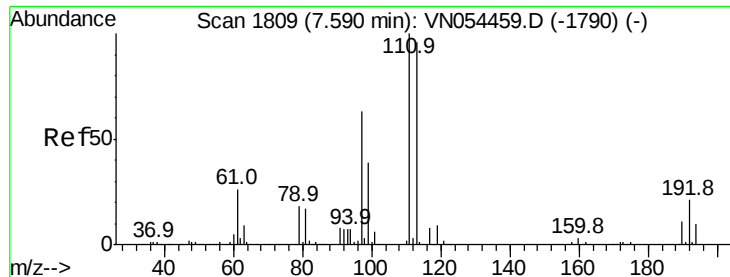
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.5	0.0	35.2	
88	16.2	0.0	30.2	





#35

Dibromofluoromethane

Concen: 51.958 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

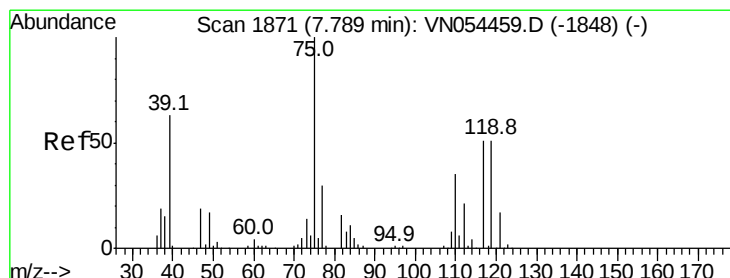
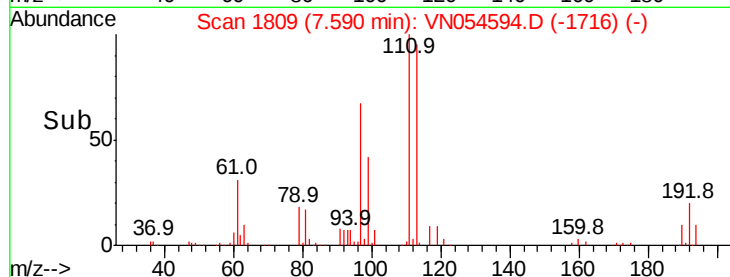
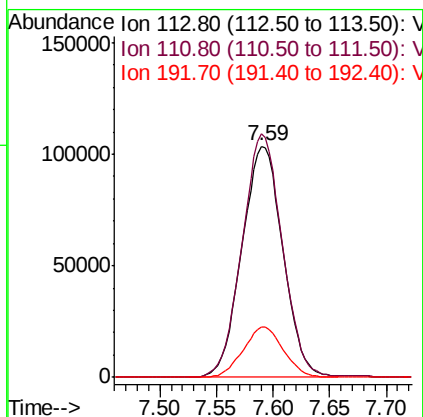
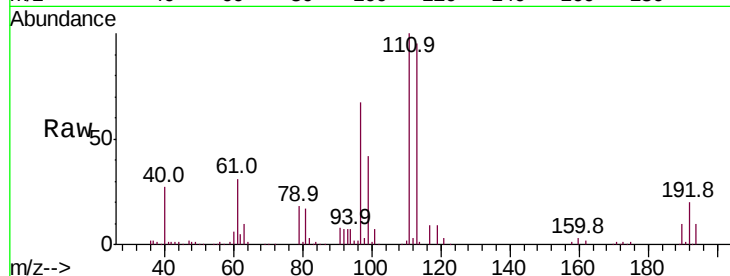
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	261114
Ion Ratio	Lower	Upper	
113	100		
111	103.7	82.2	123.4
192	21.3	19.2	28.8

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#36

1,1-Dichloropropene

Concen: 49.406 ug/l

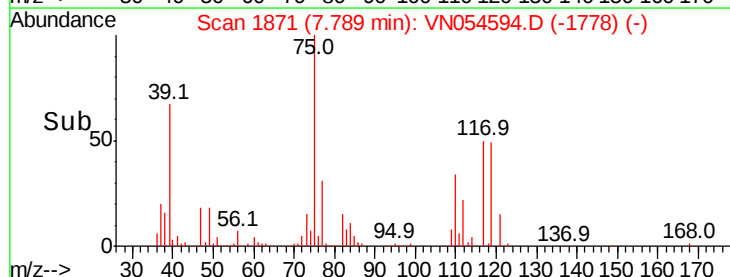
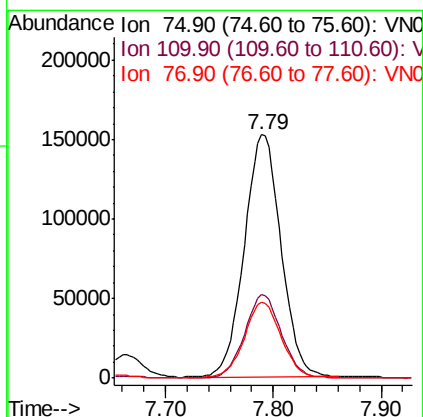
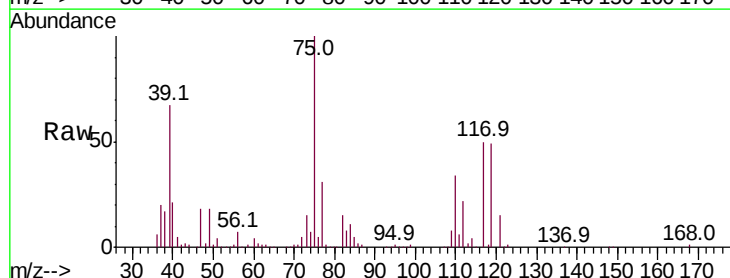
RT: 7.79 min Scan# 1871

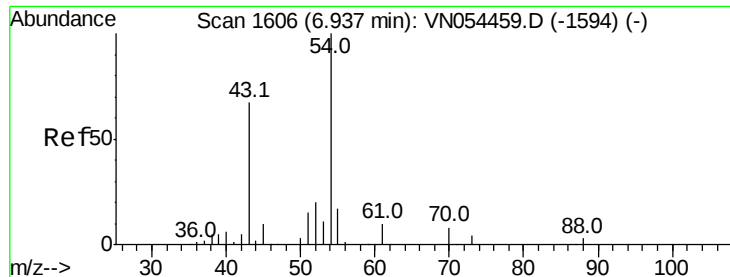
Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Tgt Ion:	75	Resp:	360344
Ion Ratio	Lower	Upper	
75	100		
110	34.5	19.1	57.5
77	31.9	25.0	37.4





#37

Ethyl Acetate

Concen: 59.466 ug/l

RT: 6.94 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

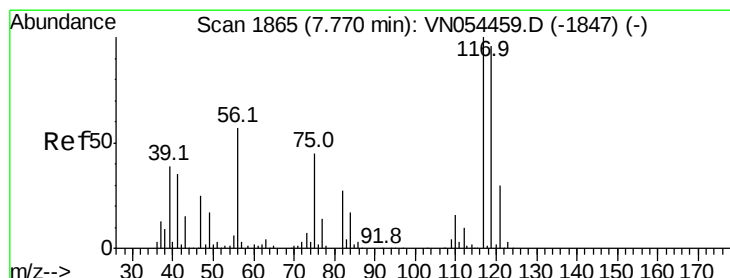
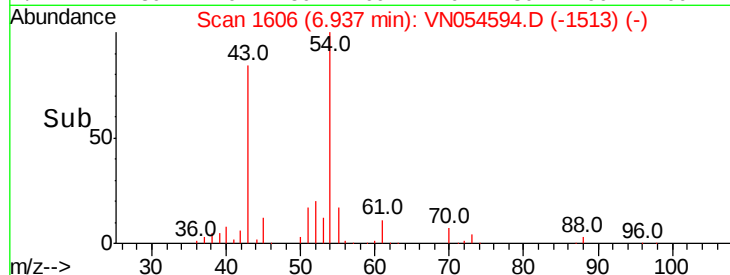
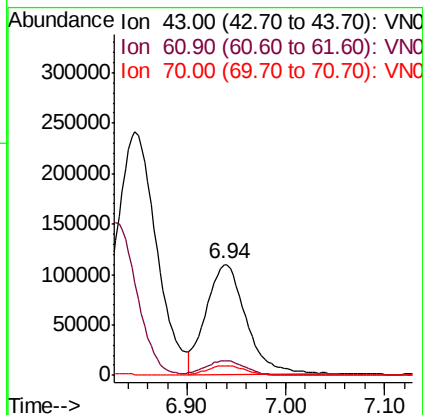
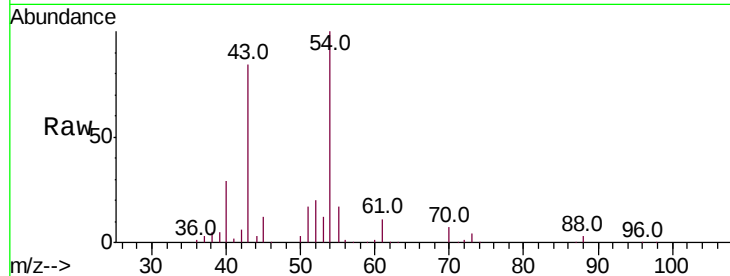
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	308476
Ion Ratio	Lower	Upper	
43	100		
61	13.1	11.8	17.6
70	8.7	8.4	12.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 46.909 ug/l

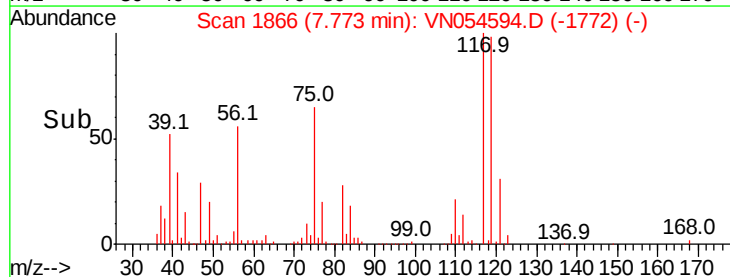
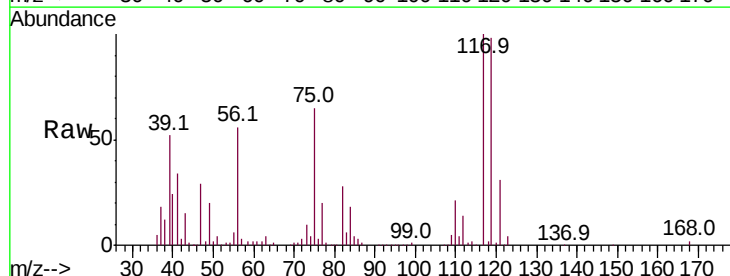
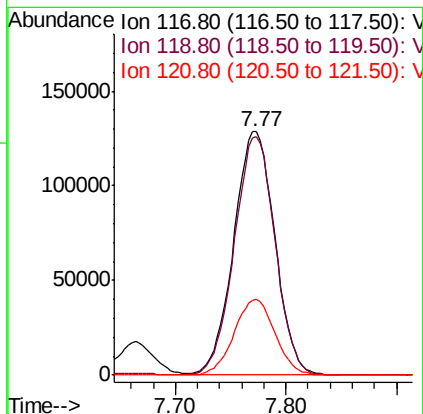
RT: 7.77 min Scan# 1866

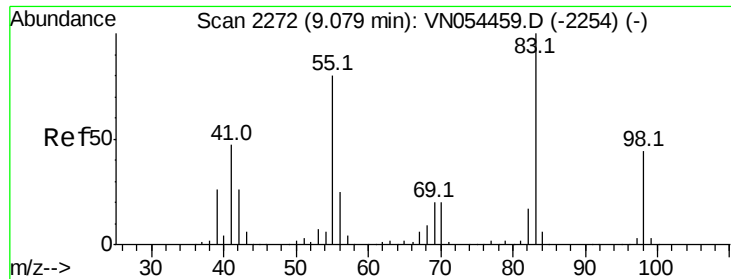
Delta R.T. 0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Tgt Ion:	117	Resp:	332473
Ion Ratio	Lower	Upper	
117	100		
119	97.8	76.3	114.5
121	31.1	24.6	36.8





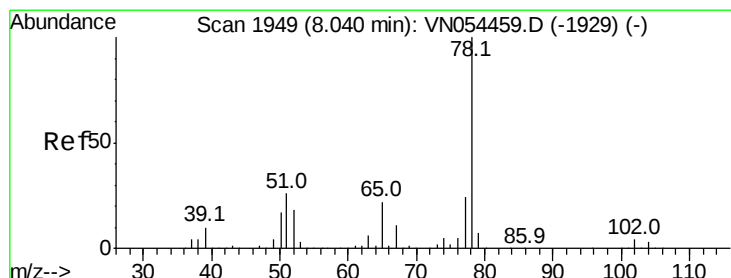
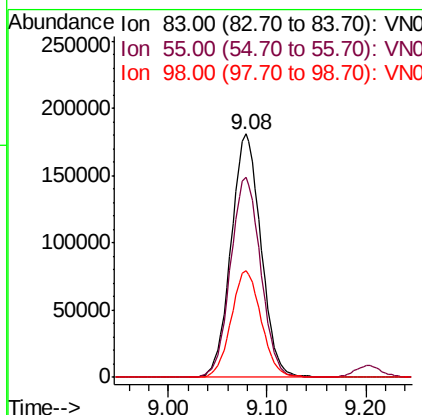
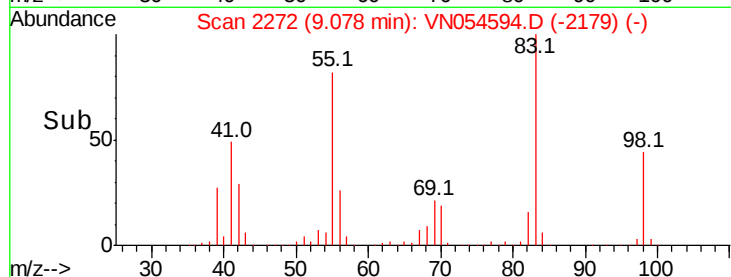
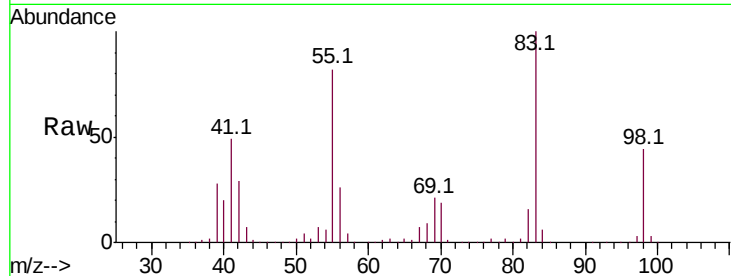
#39
Methvlcvclohexane
Concen: 45.580 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.8	56.6	84.8
98	43.7	38.4	57.6

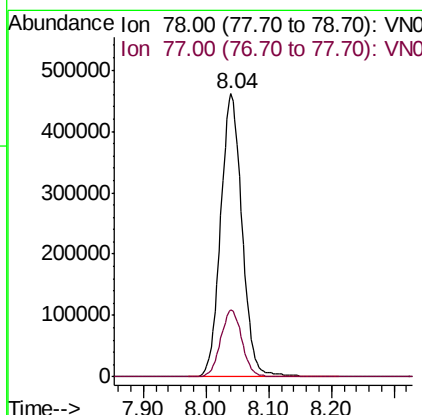
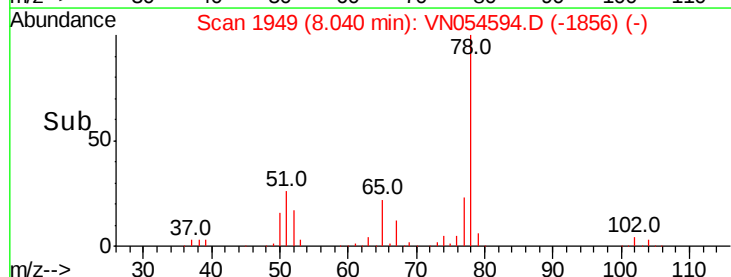
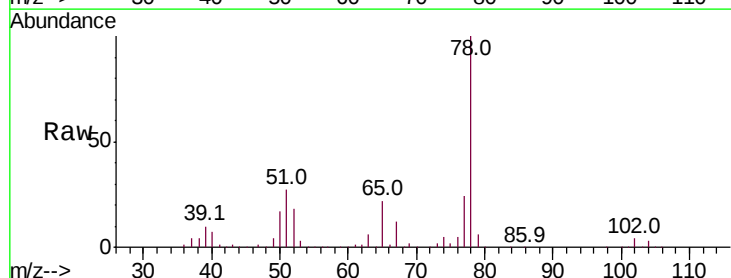
Manual Integrations
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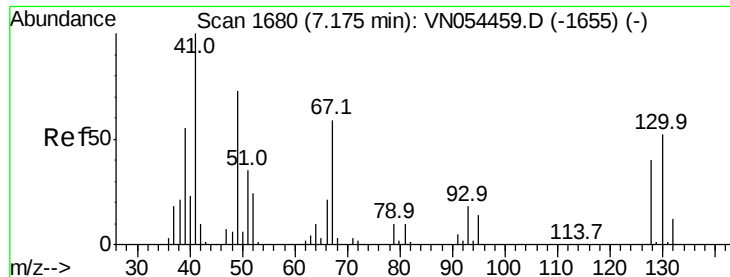
MMDadoda
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#40
Benzene
Concen: 52.459 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7





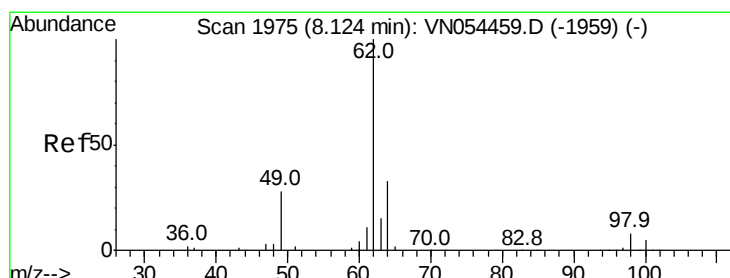
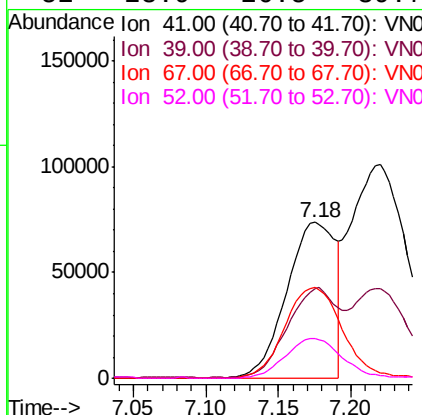
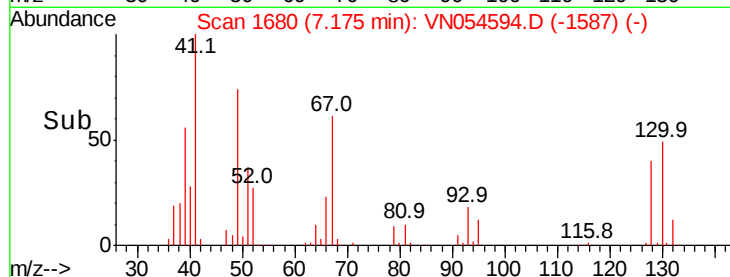
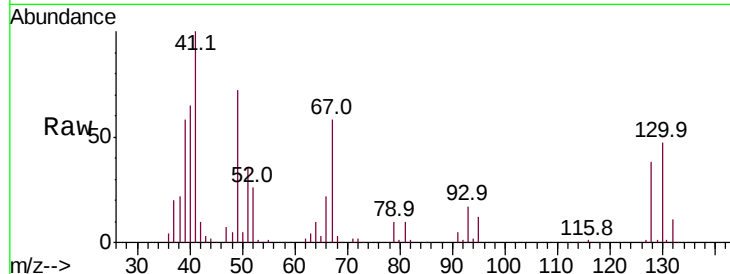
#41
Methacrylonitrile
Concen: 54.582 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.3	46.8	70.2
67	69.2	67.0	100.4
52	28.9	26.5	39.7

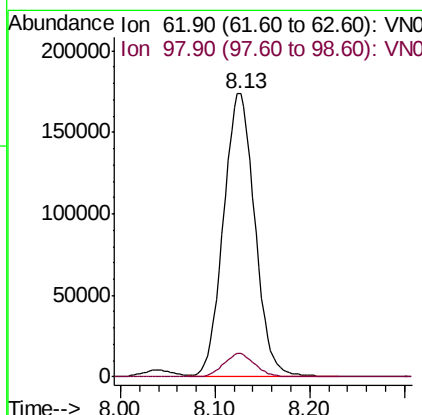
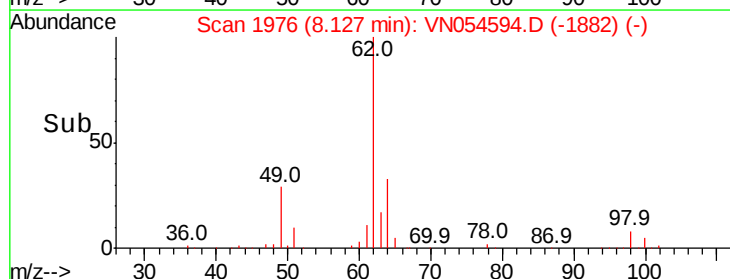
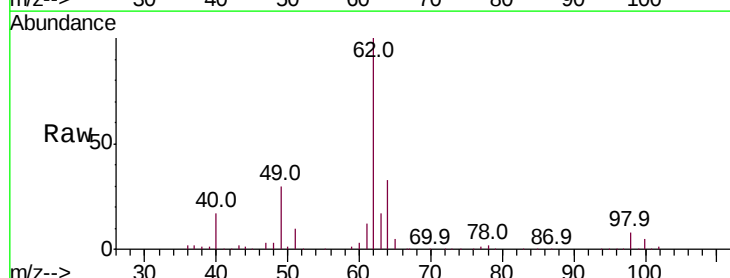
Manual Integrations
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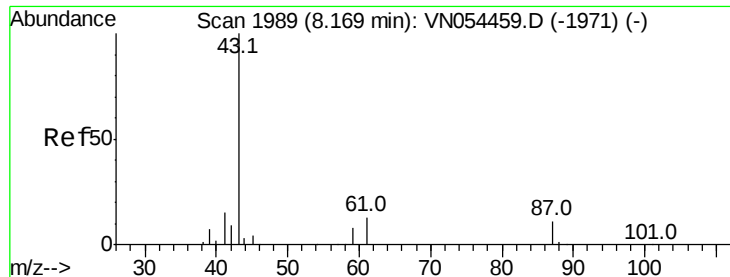
MMDadoda
3/25/2019 12:53:43 PM



#42
1,2-Dichloroethane
Concen: 52.589 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	18.4





#43

Isopropyl Acetate

Concen: 59.569 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

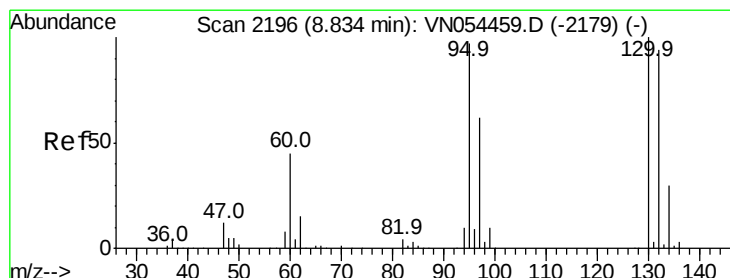
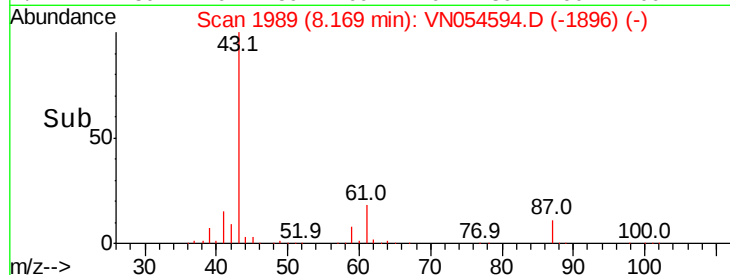
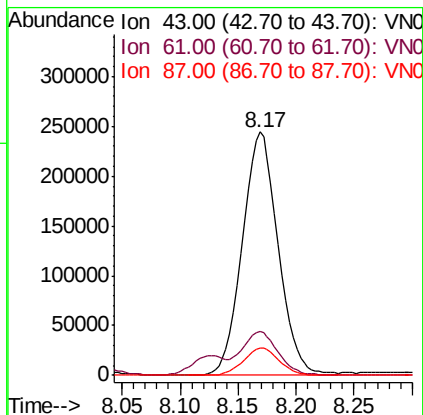
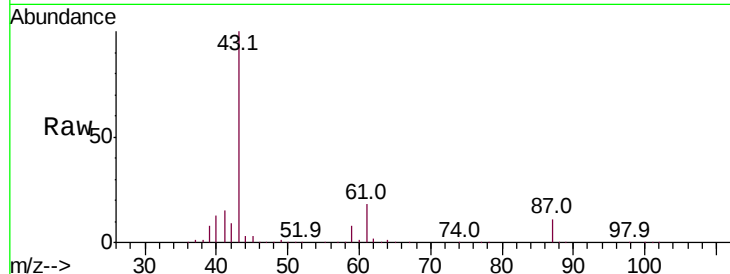
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	521872
Ion Ratio	Lower	Upper	
43	100		
61	18.0	15.8	23.8
87	11.5	12.0	18.0#

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#44

Trichloroethene

Concen: 49.349 ug/l

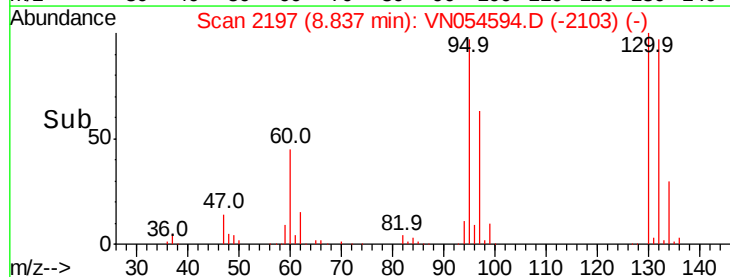
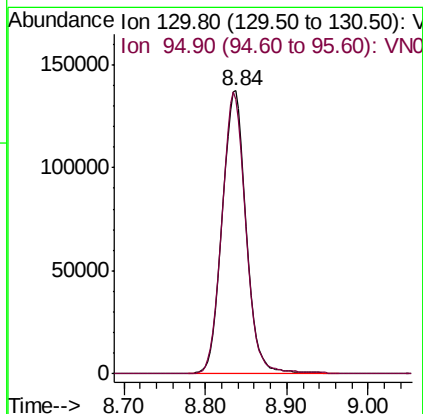
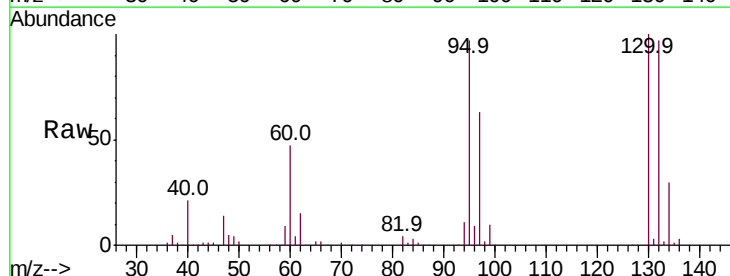
RT: 8.84 min Scan# 2197

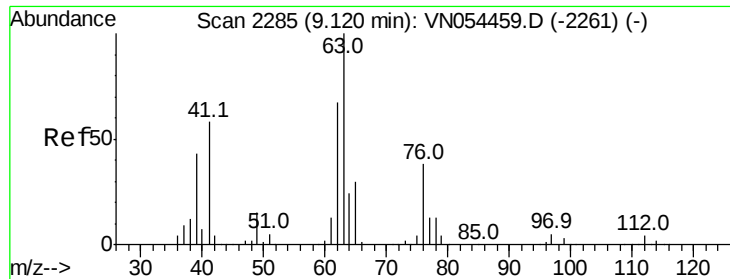
Delta R.T. 0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Tgt Ion:	130	Resp:	286145
Ion Ratio	Lower	Upper	
130	100		
95	97.2	0.0	185.2





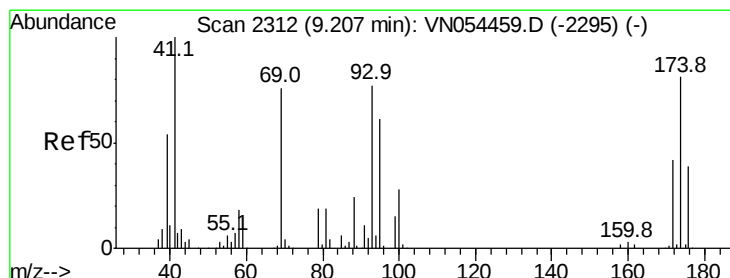
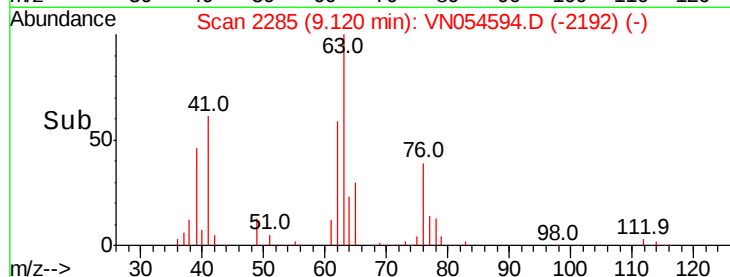
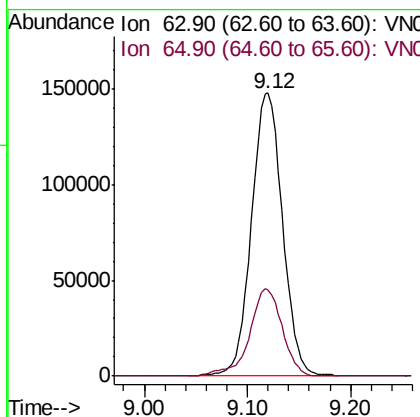
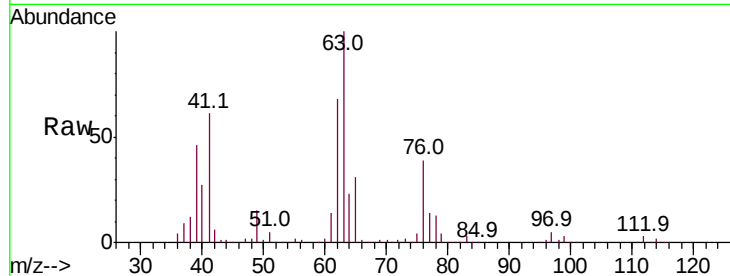
#45
 1,2-Dichloropropane
 Concen: 55.142 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 308816
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.6

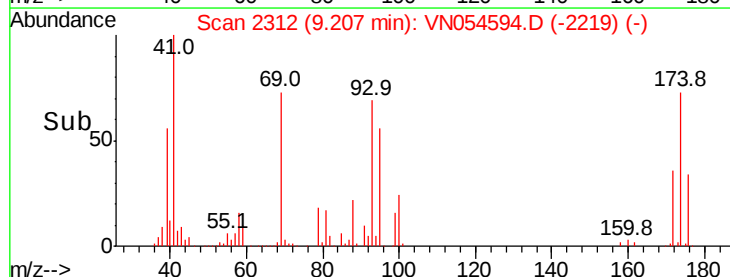
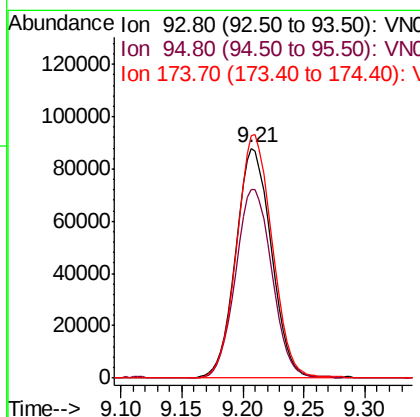
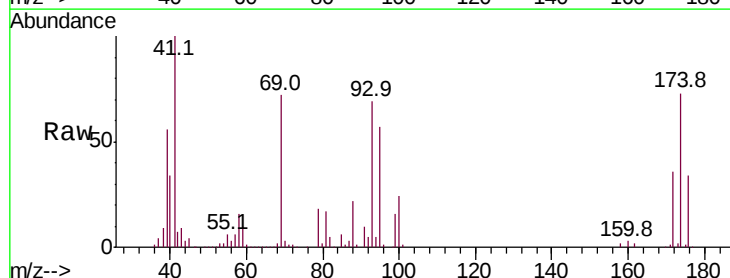
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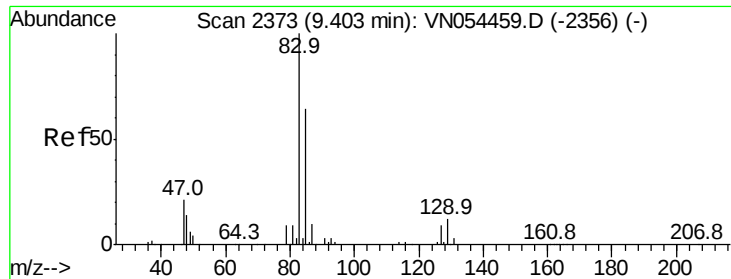
MMDadoda
 3/25/2019 12:53:43 PM



#46
 Dibromomethane
 Concen: 53.256 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Tgt Ion: 93 Resp: 177931
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.7 100.1
 174 105.4 98.5 147.7





#47

Bromodichloromethane

Concen: 51.794 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

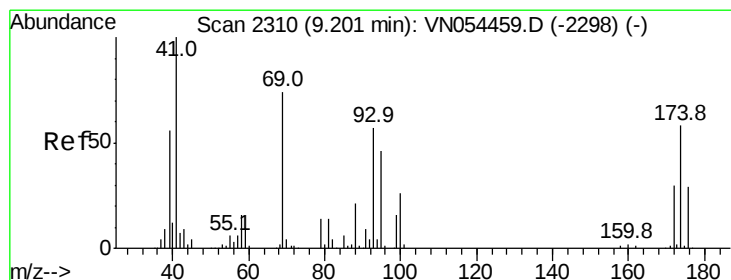
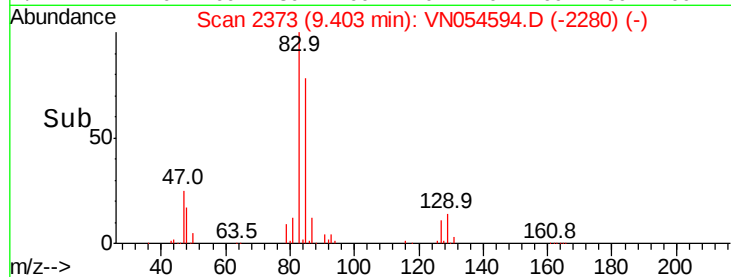
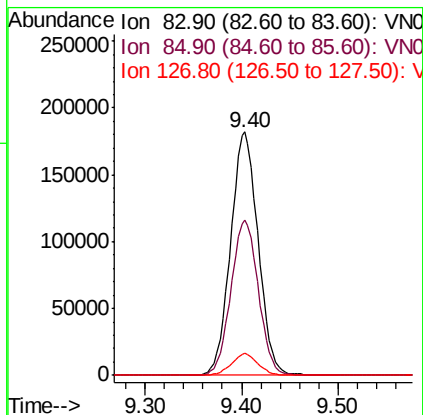
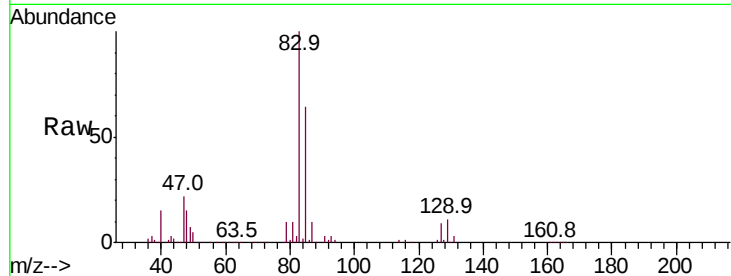
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	359127
Ion Ratio	Lower	Upper	
83	100		
85	63.7	52.8	79.2
127	8.9	7.4	11.2

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3/25/2019 12:53:43 PM



#48

Methyl methacrylate

Concen: 56.952 ug/l

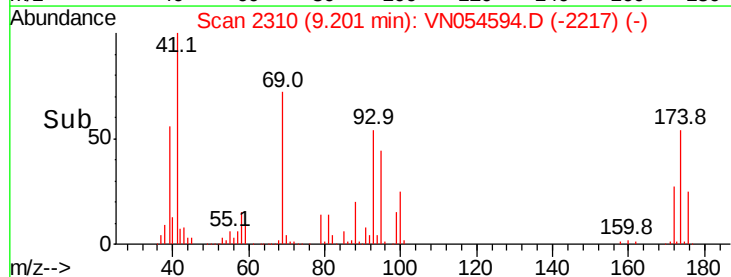
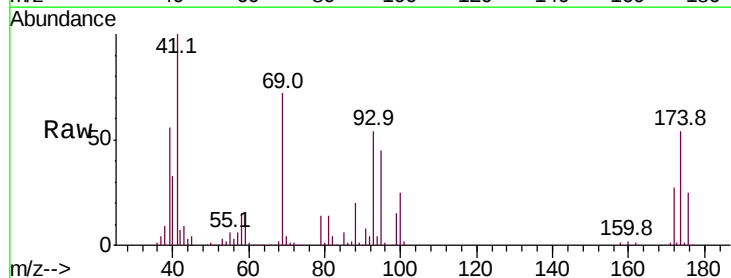
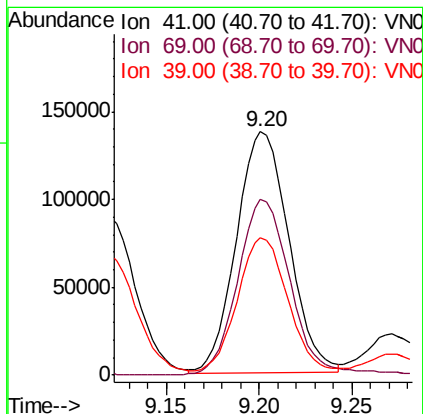
RT: 9.20 min Scan# 2310

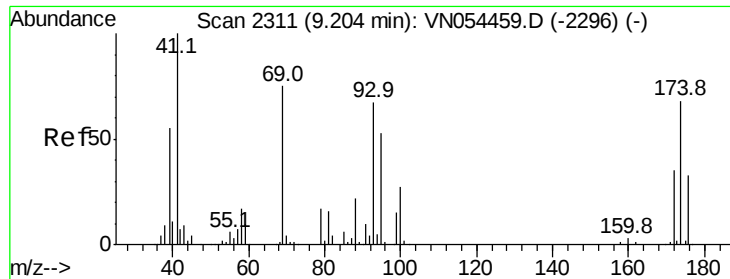
Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Tgt Ion:	41	Resp:	270808
Ion Ratio	Lower	Upper	
41	100		
69	73.0	72.6	108.8
39	55.2	47.5	71.3





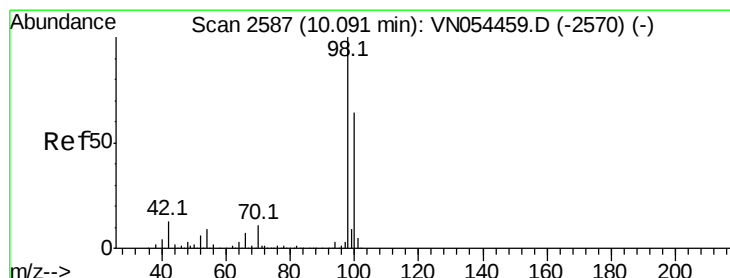
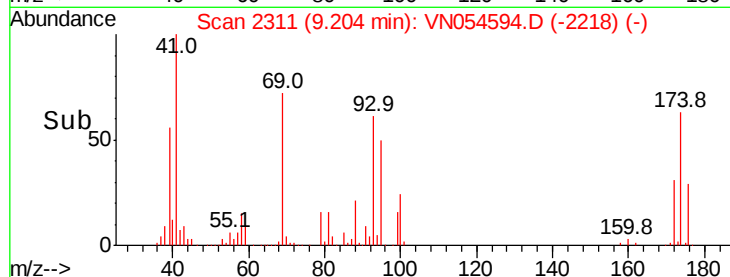
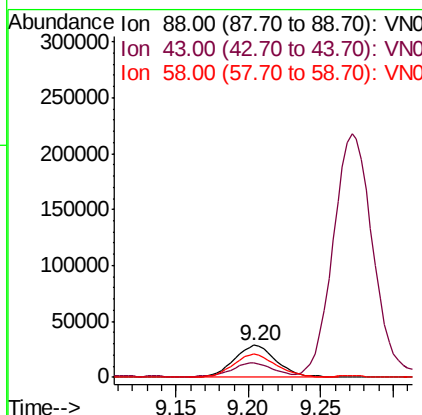
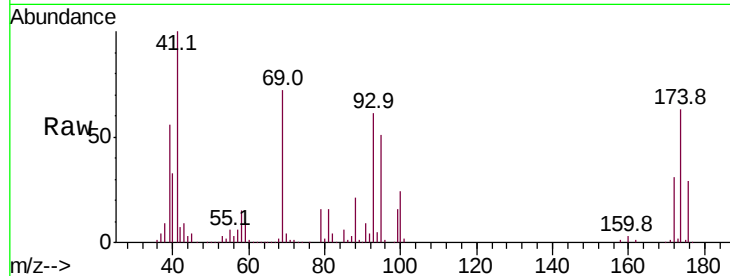
#49
1,4-Dioxane
Concen: 1103.529 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	58662
Ion	Ratio	Lower	Upper
88	100		
43	41.4	24.1	36.1#
58	73.6	50.8	76.2

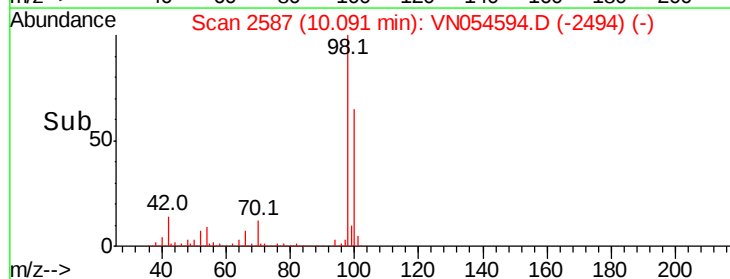
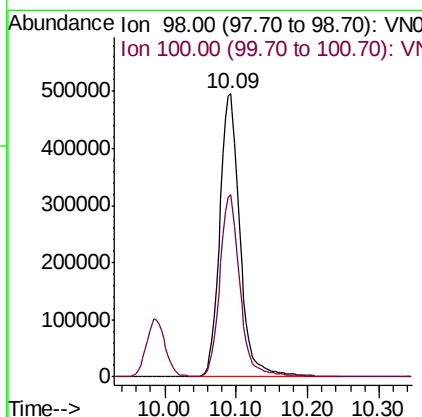
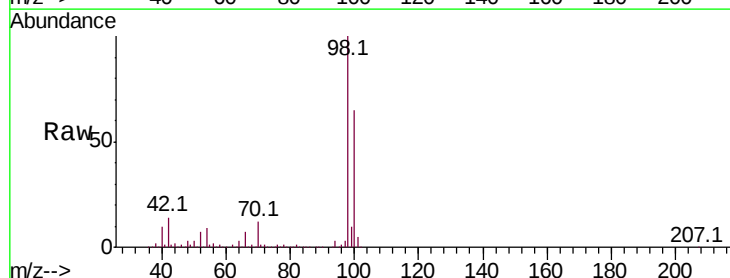
Manual Integrations
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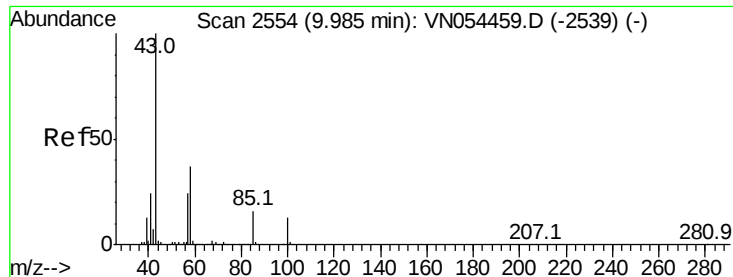
MMDadoda
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#50
Toluene-d8
Concen: 51.481 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion	98	Resp	972617
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 309.696 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1503657

Ion Ratio Lower Upper

43 100

58 35.9

31.8

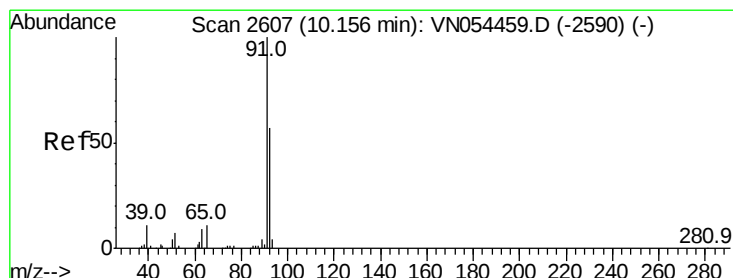
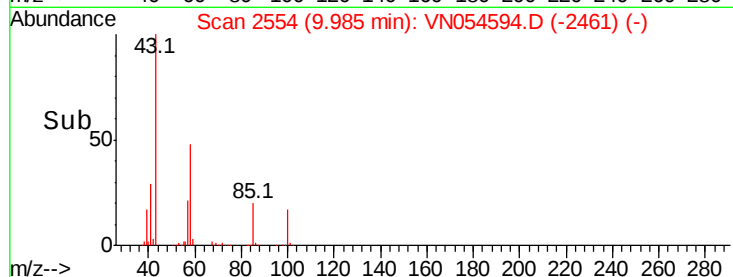
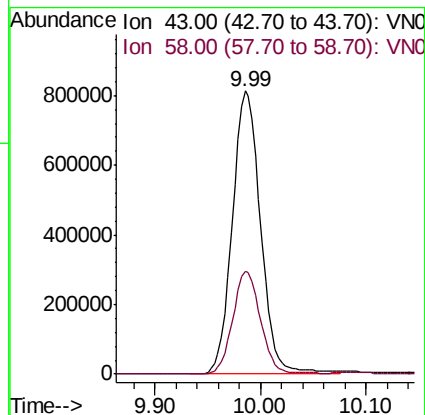
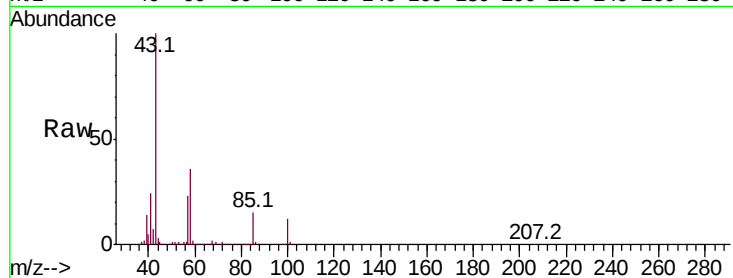
47.6

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#52

Toluene

Concen: 51.053 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Tgt Ion: 92 Resp: 654892

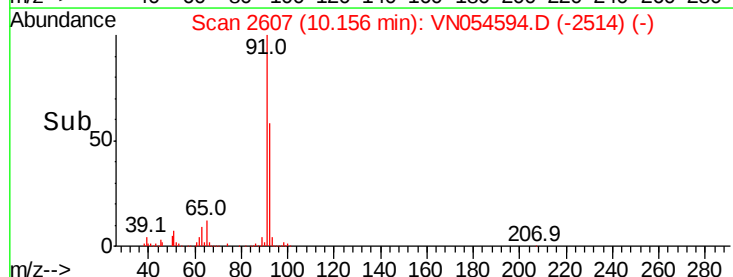
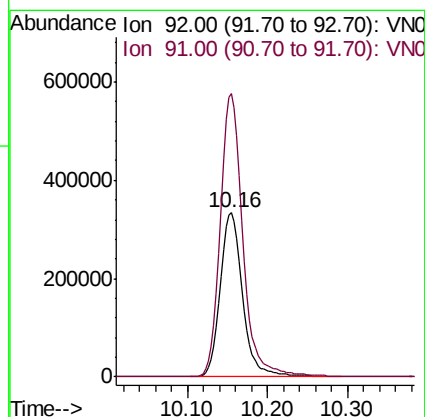
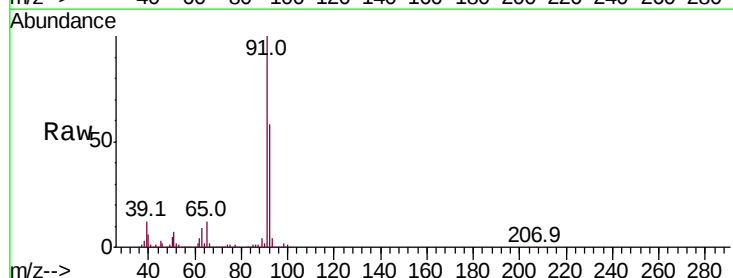
Ion Ratio Lower Upper

92 100

91 173.0

140.7

211.1





#53

t-1,3-Dichloropropene

Concen: 44.688 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054594.D

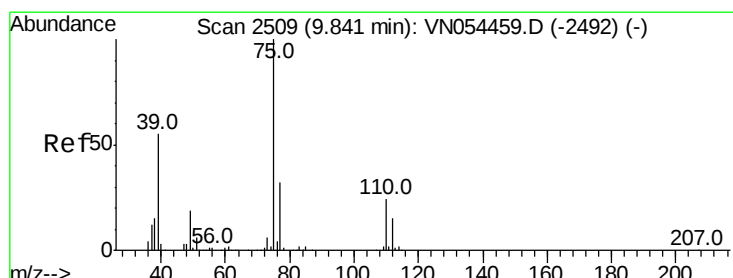
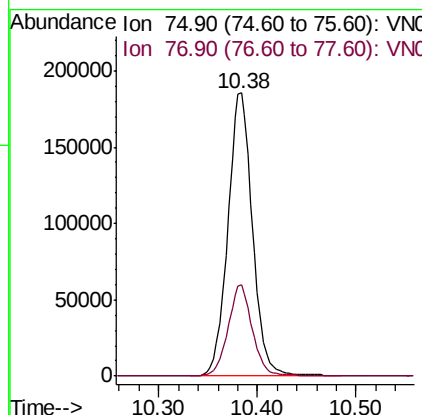
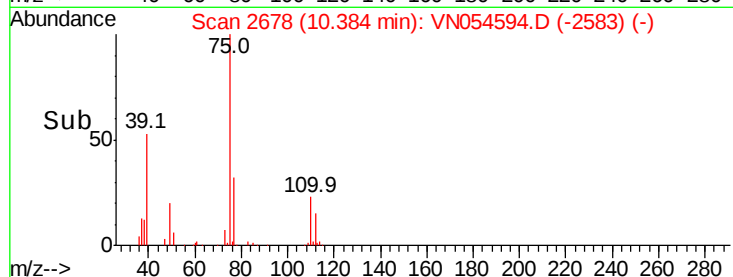
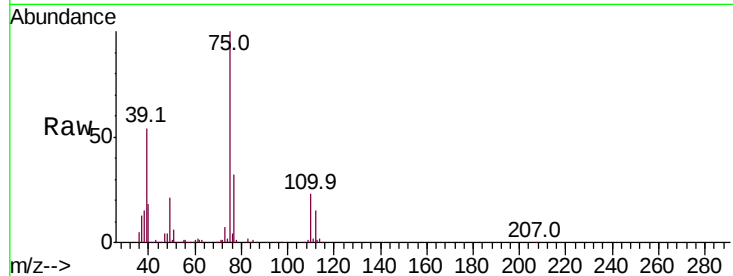
Acq: 23 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.8	38.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 49.971 ug/l

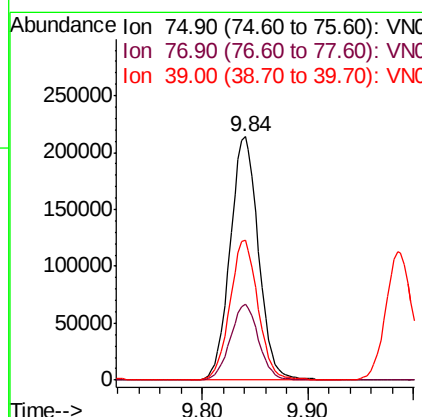
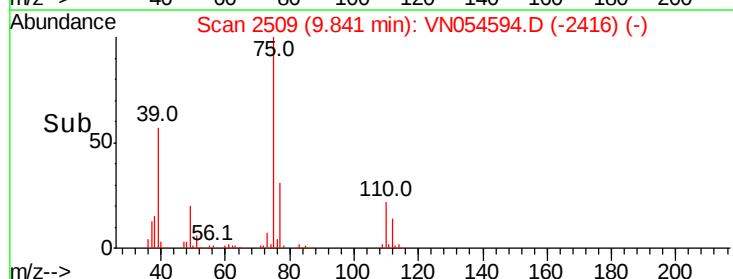
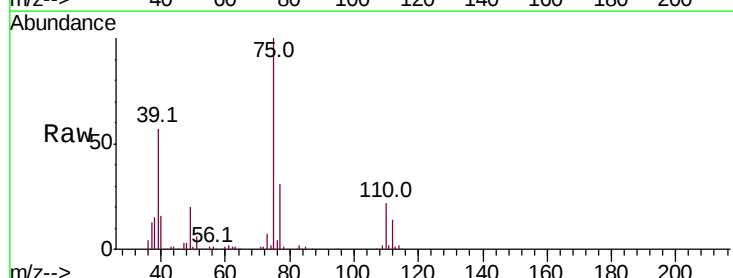
RT: 9.84 min Scan# 2509

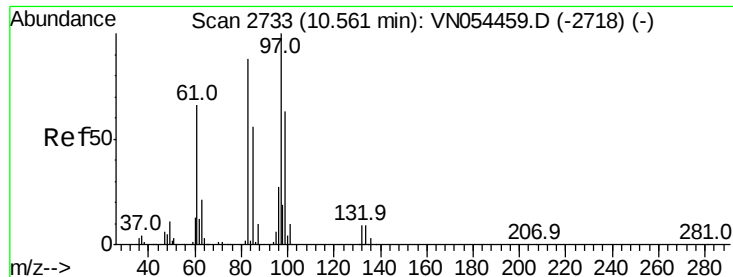
Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0
39	57.1	37.2	55.8#





#55

1,1,2-Trichloroethane

Concen: 53.169 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

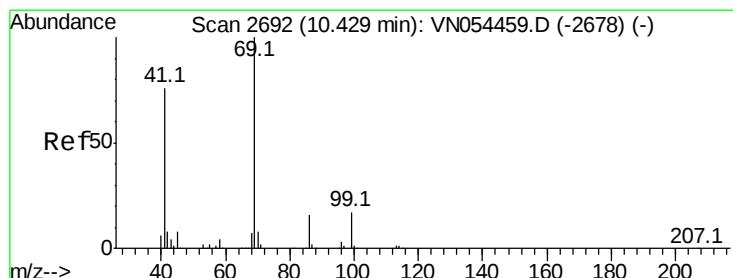
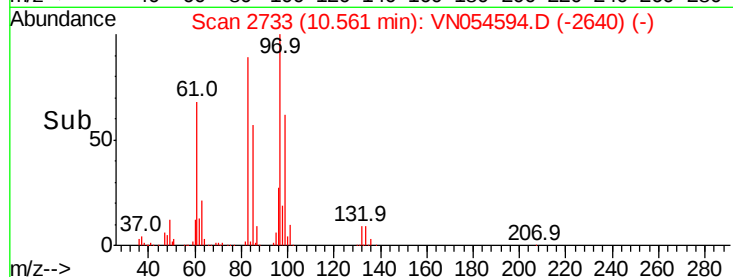
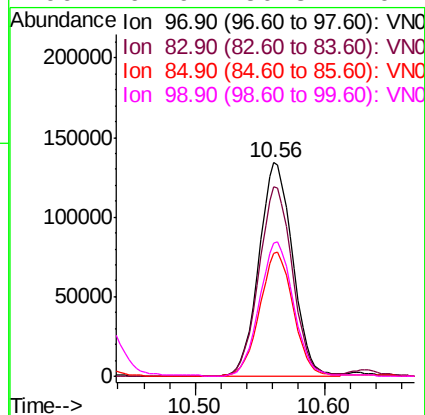
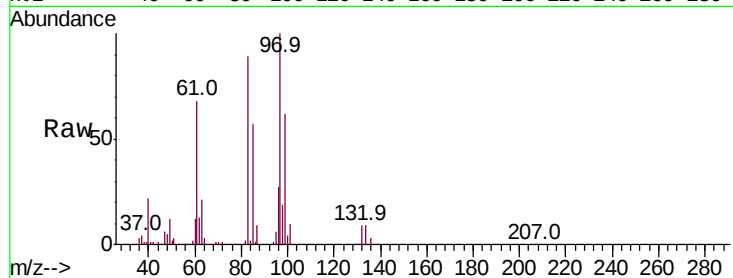
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	245165
Ion Ratio	Lower	Upper	
97	100		
83	88.8	66.6	100.0
85	57.2	44.4	66.6
99	61.9	50.8	76.2

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#56

Ethyl methacrylate

Concen: 56.942 ug/l

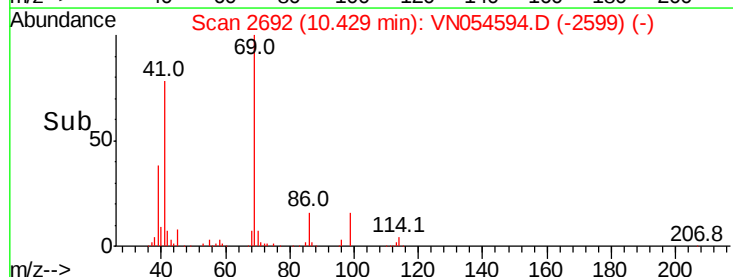
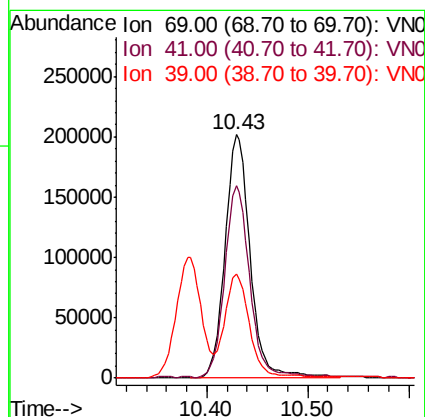
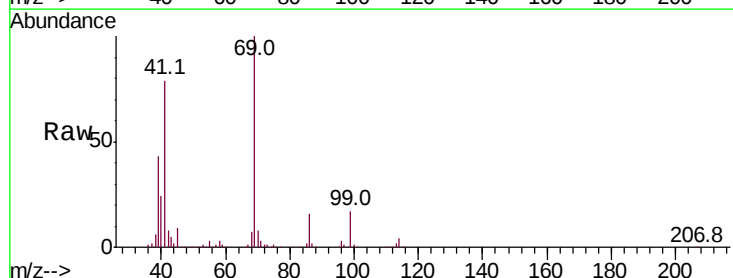
RT: 10.43 min Scan# 2692

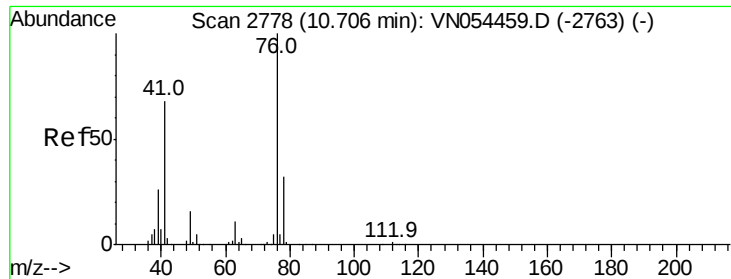
Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Tgt Ion:	69	Resp:	352409
Ion Ratio	Lower	Upper	
69	100		
41	77.7	49.4	74.2#
39	41.1	28.3	42.5





#57

1,3-Dichloropropane

Concen: 54.486 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 436728

Ion Ratio Lower Upper

76 100

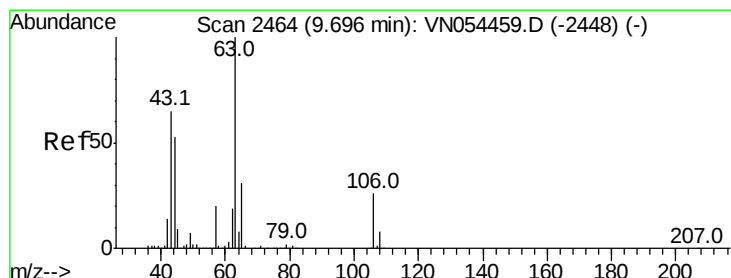
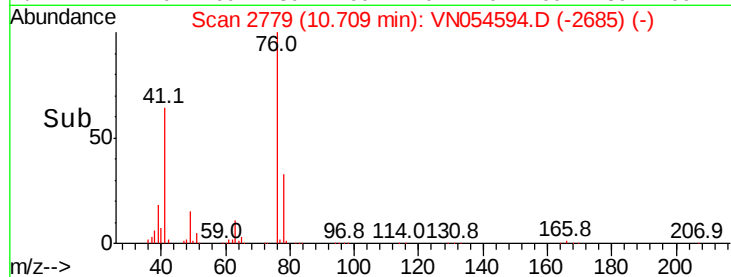
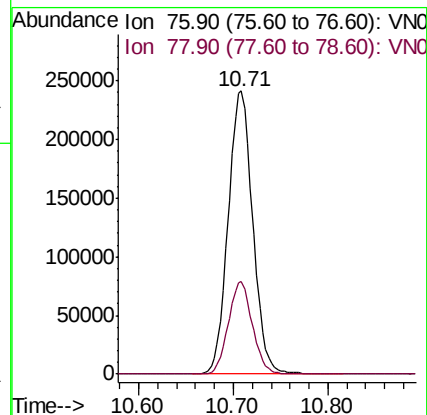
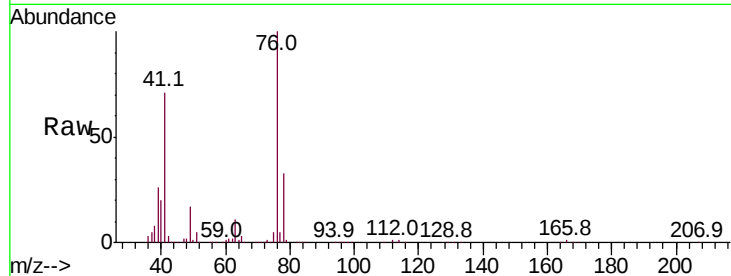
78 32.1 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 261.941 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054594.D

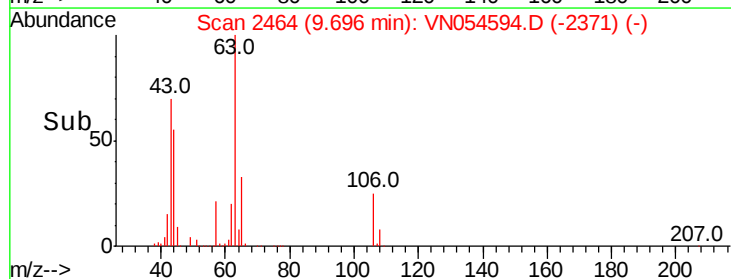
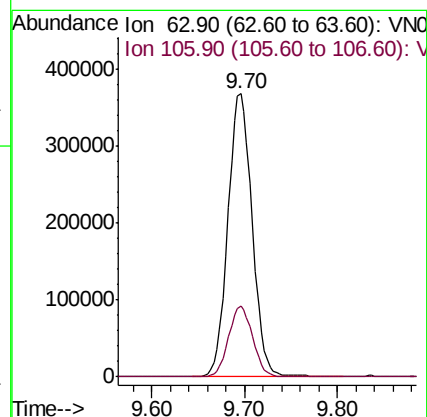
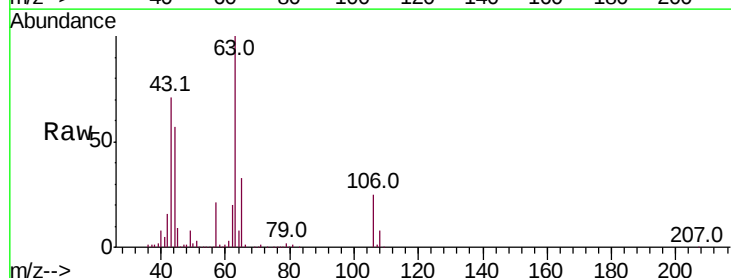
Acq: 23 Mar 2019 8:45

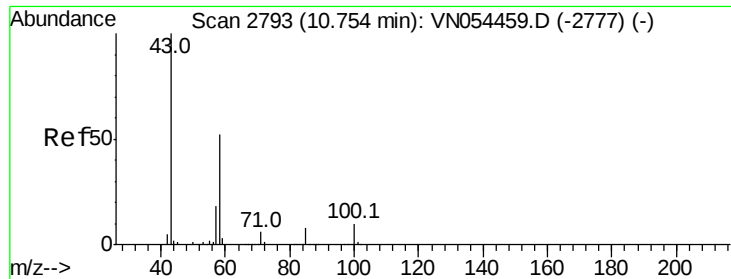
Tgt Ion: 63 Resp: 667549

Ion Ratio Lower Upper

63 100

106 24.9 24.4 36.6





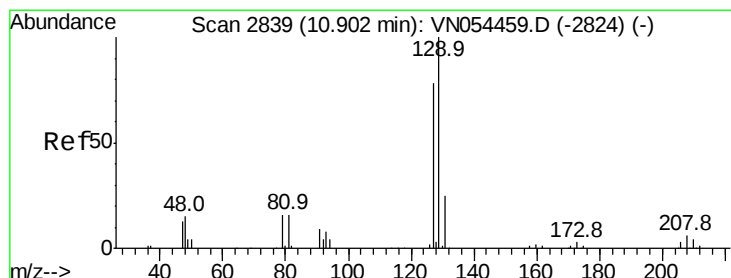
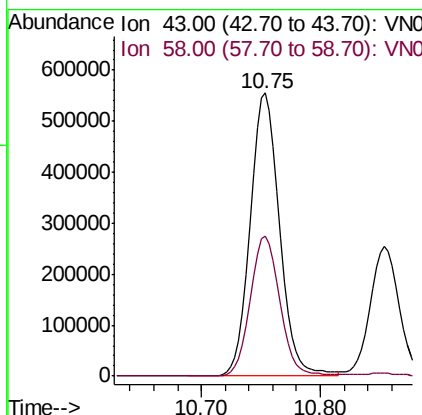
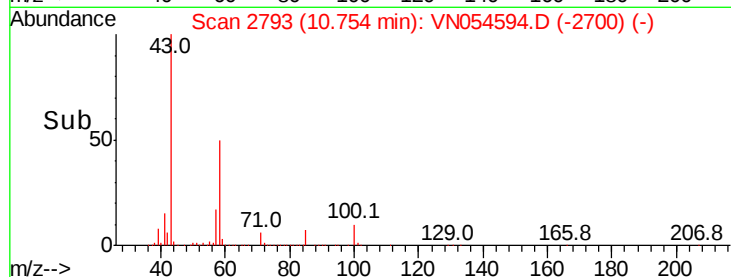
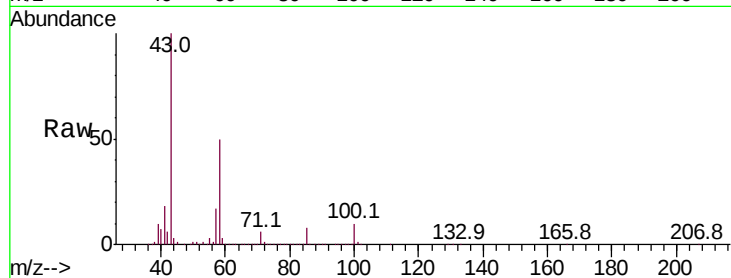
#59
2-Hexanone
Concen: 298.750 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 947456
Ion Ratio Lower Upper
43 100
58 50.3 28.0 83.9

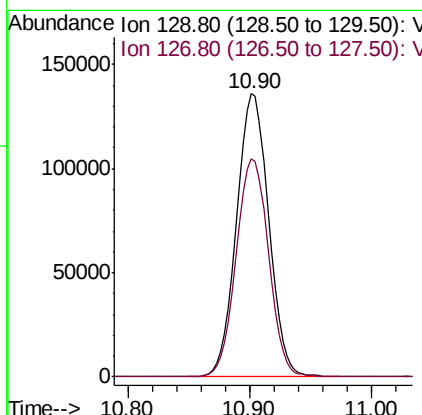
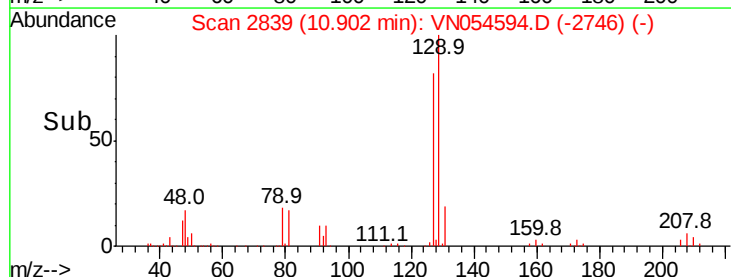
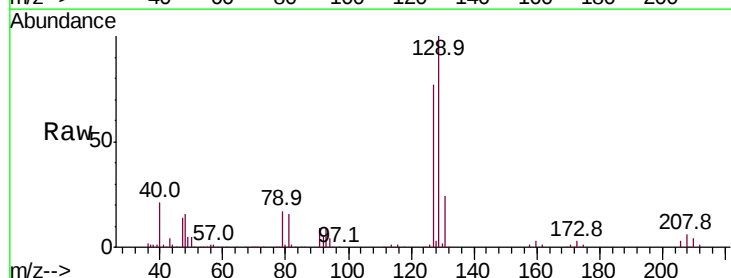
Manual Integrations
APPROVED

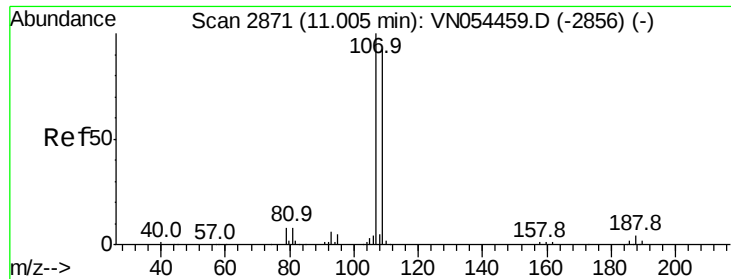
MMDadoda
3/25/2019 12:53:43 PM



#60
Dibromochloromethane
Concen: 50.570 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion: 129 Resp: 248125
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.8





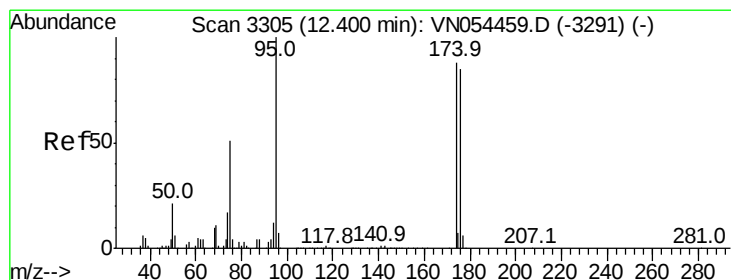
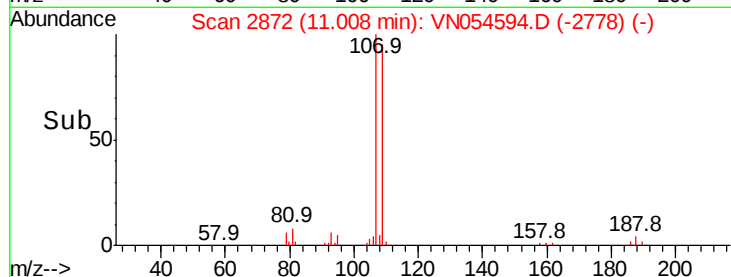
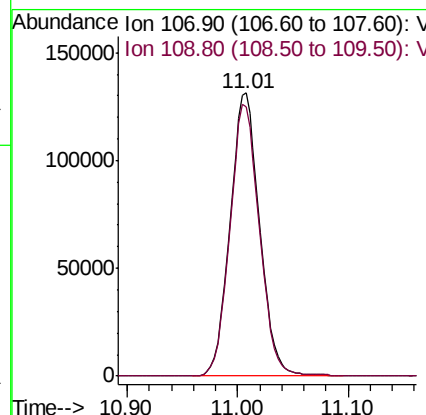
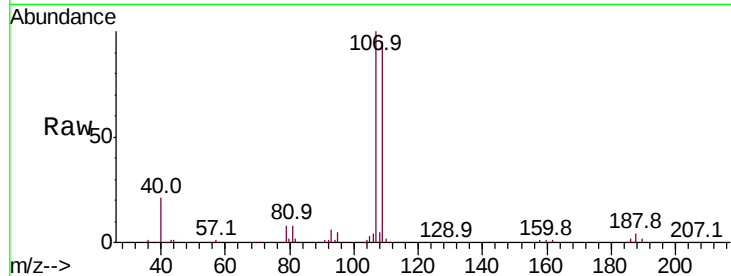
#61
1,2-Dibromoethane
Concen: 53.404 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	75.9	113.9

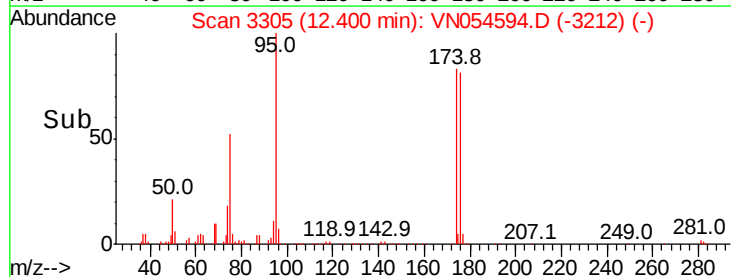
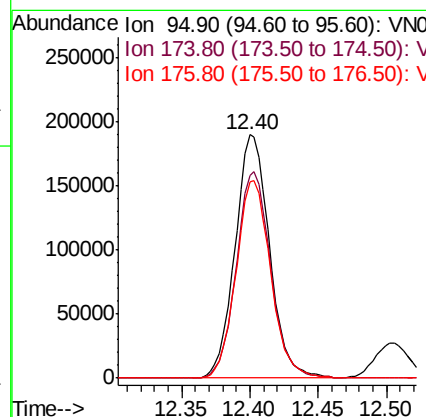
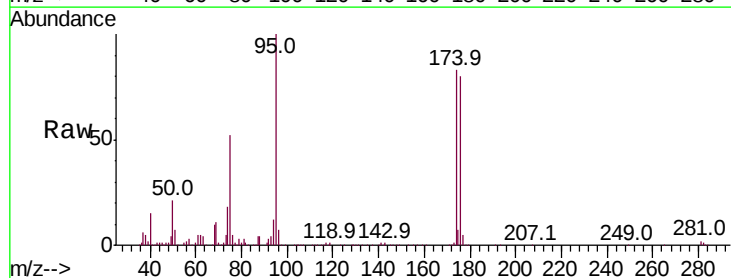
Manual Integrations
APPROVED

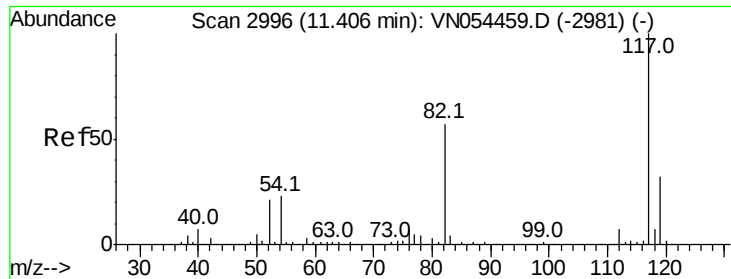
MMDadoda
3/25/2019 12:53:43 PM



#62
4-Bromofluorobenzene
Concen: 51.542 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.1	0.0	191.0
176	81.9	0.0	187.4





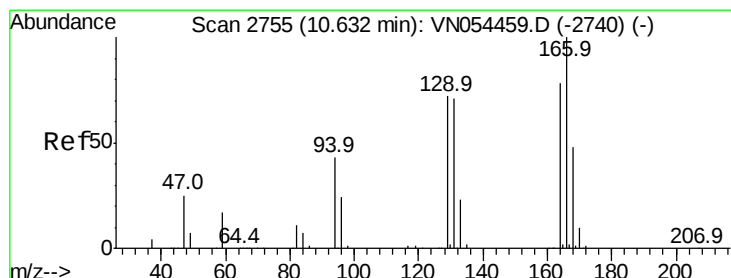
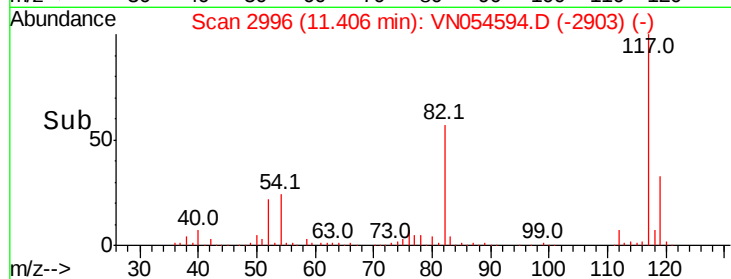
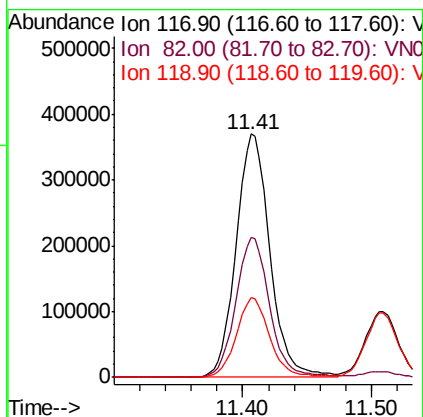
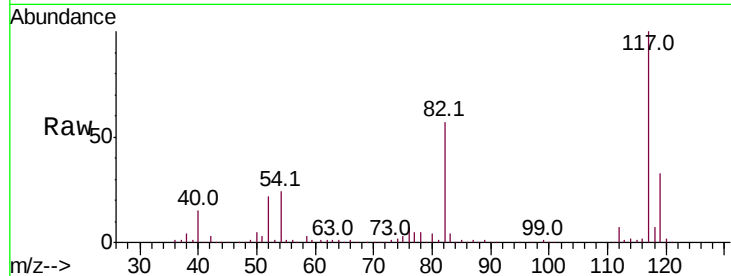
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	40.0	60.0
119	32.6	25.8	38.6

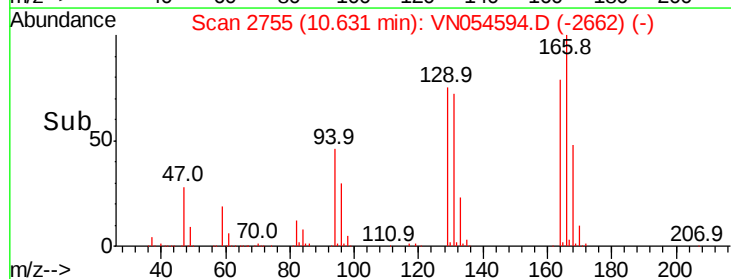
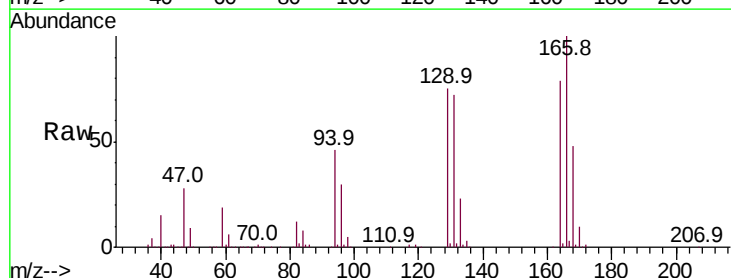
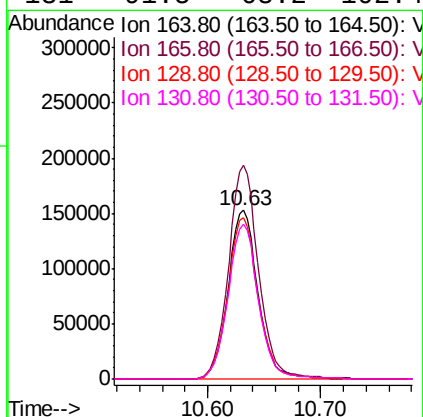
Manual Integrations
APPROVED

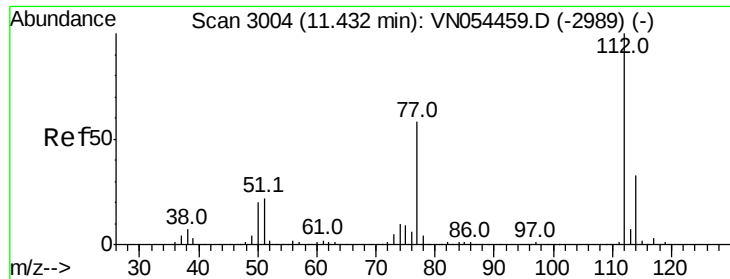
MMDadoda
3/25/2019 12:53:43 PM



#64
Tetrachloroethene
Concen: 50.518 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	103.9	155.9
129	95.5	71.1	106.7
131	91.5	68.2	102.4





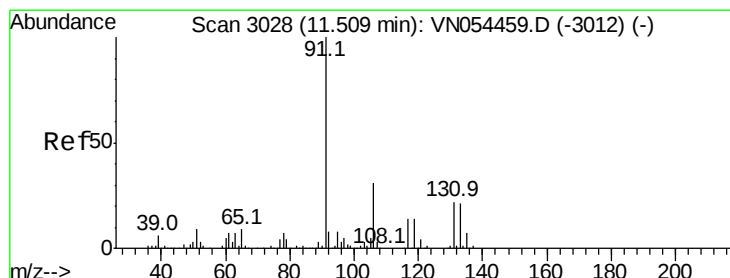
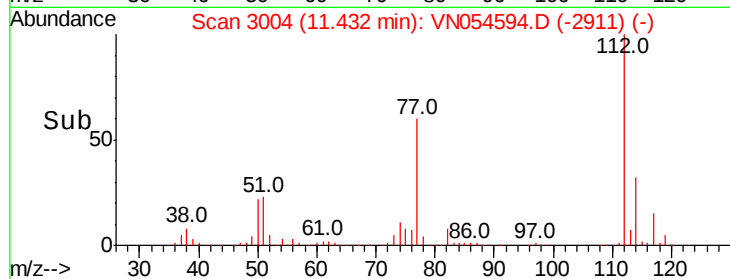
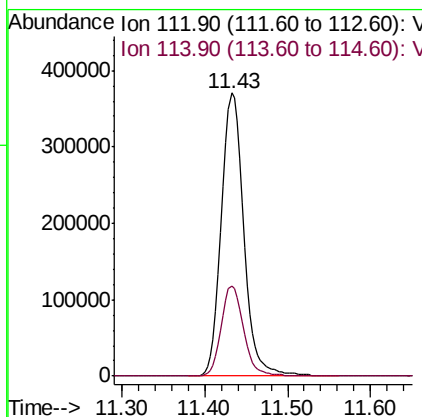
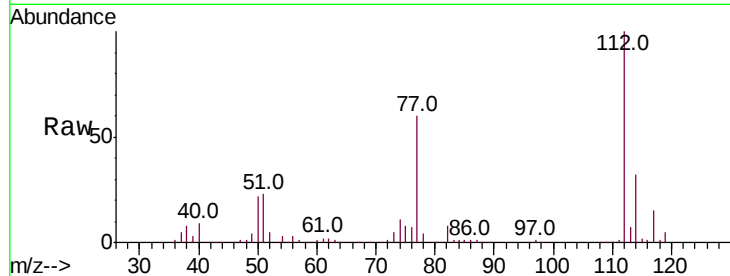
#65
Chlorobenzene
Concen: 50.814 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 697017
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9

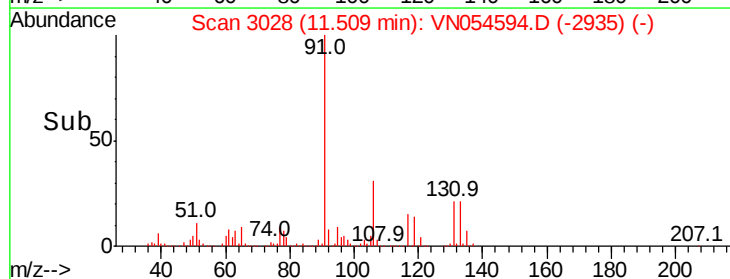
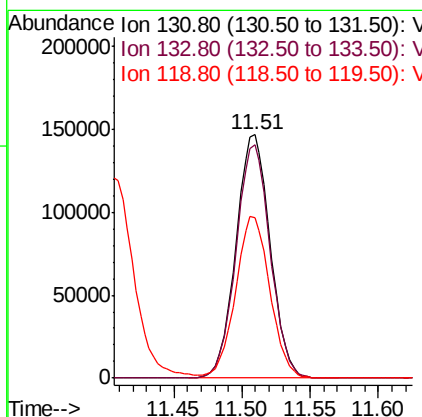
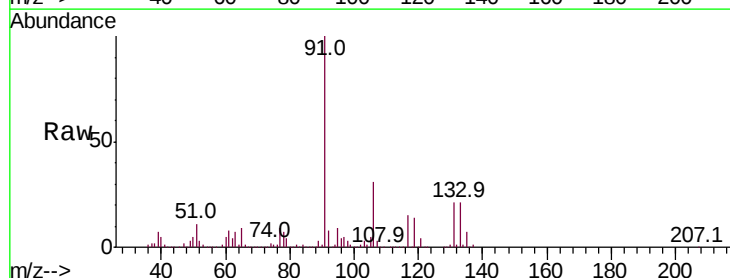
Manual Integrations
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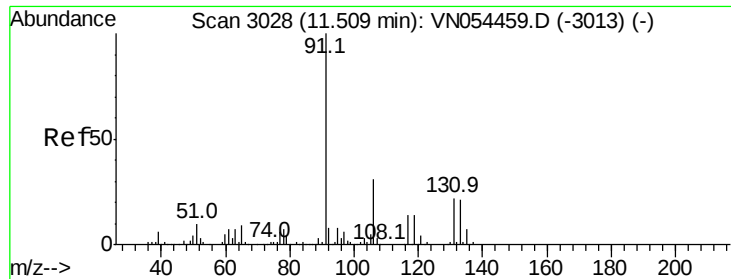
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.947 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion:131 Resp: 255762
Ion Ratio Lower Upper
131 100
133 95.6 47.6 142.9
119 66.7 32.4 97.0





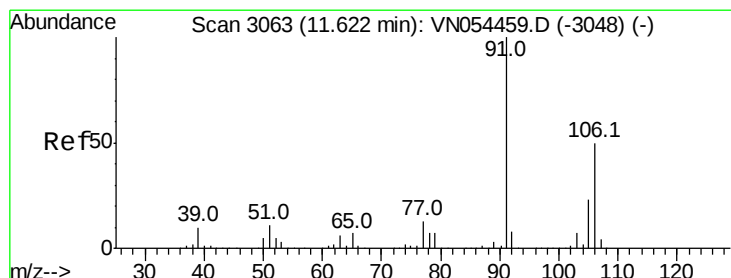
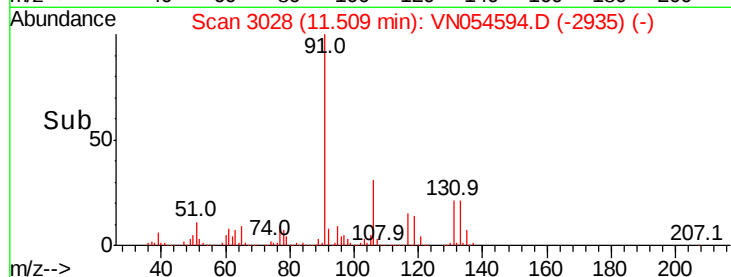
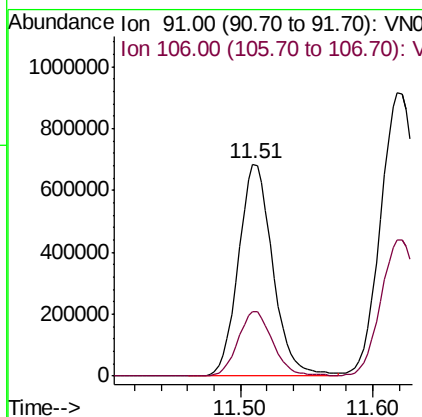
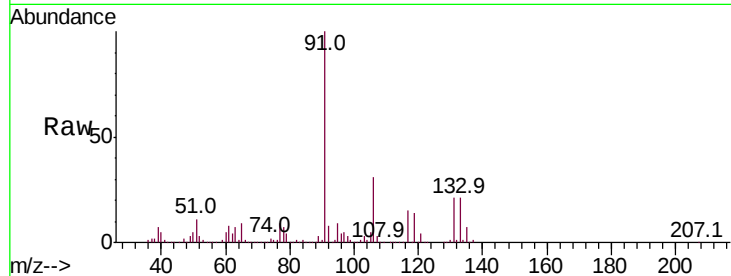
#67
Ethyl Benzene
Concen: 50.918 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 1233752
Ion Ratio Lower Upper
91 100
106 30.6 25.5 38.3

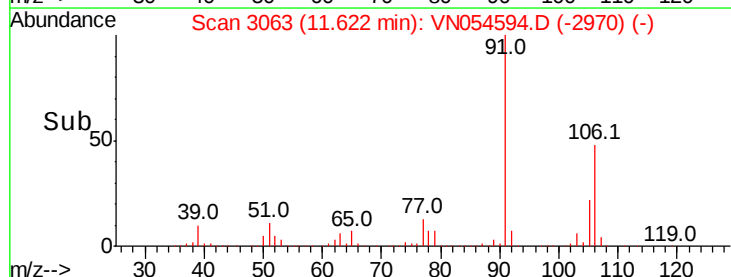
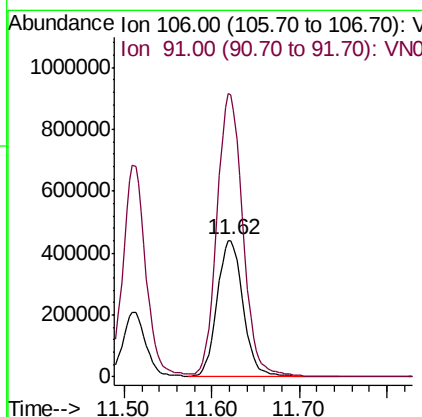
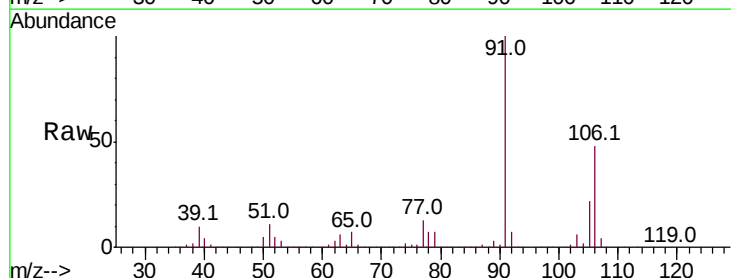
Manual Integrations
APPROVED

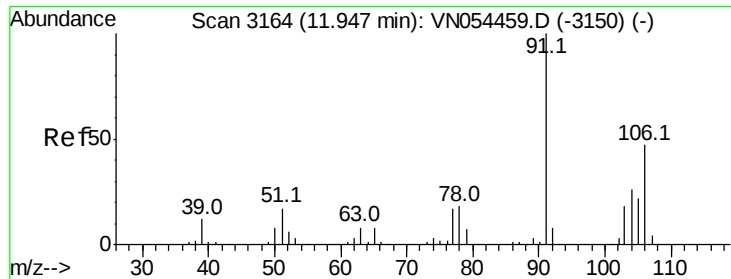
MMDadoda
3/25/2019 12:53:43 PM



#68
m/p-Xylenes
Concen: 98.952 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion: 106 Resp: 908169
Ion Ratio Lower Upper
106 100
91 207.5 159.4 239.2





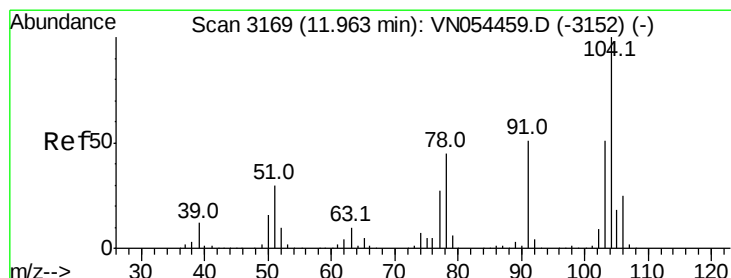
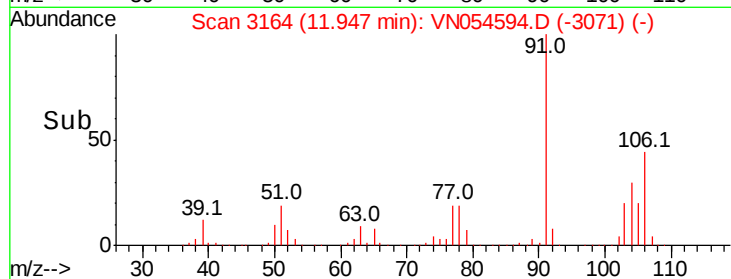
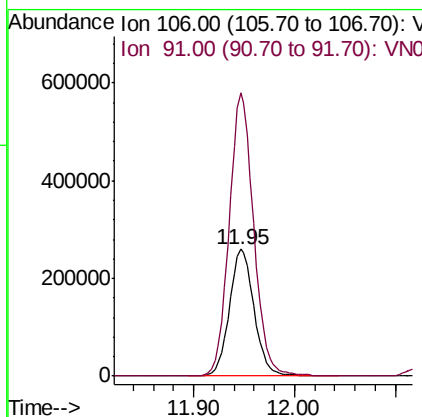
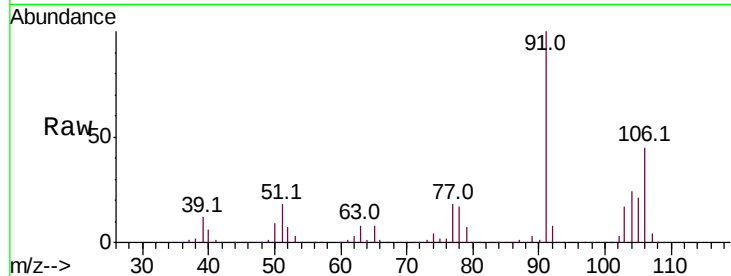
#69
o-Xylene
Concen: 49.635 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 444881
Ion Ratio Lower Upper
106 100
91 220.7 105.7 317.1

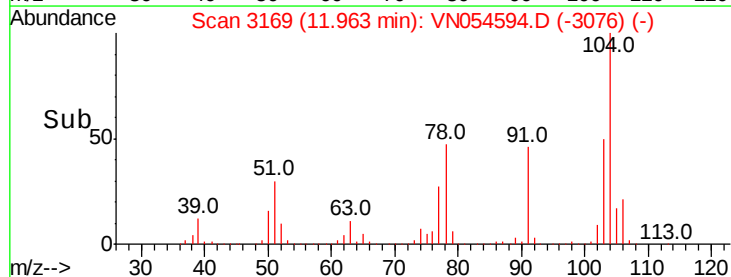
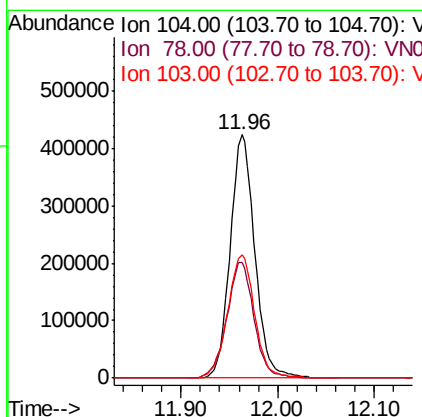
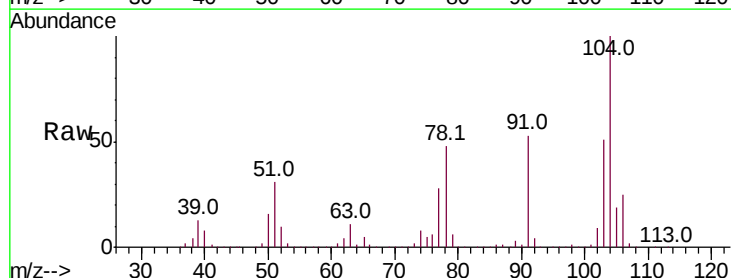
Manual Integrations
APPROVED

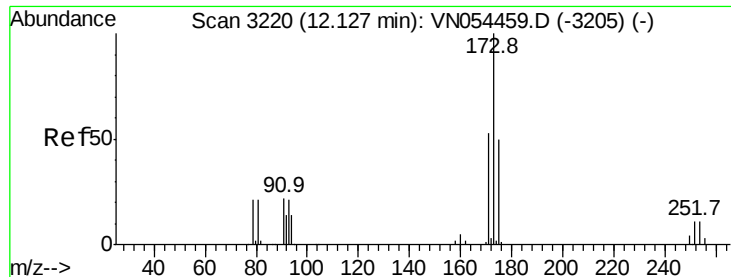
MMDadoda
3/25/2019 12:53:43 PM



#70
Styrene
Concen: 51.484 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion:104 Resp: 749365
Ion Ratio Lower Upper
104 100
78 52.3 38.2 57.2
103 55.6 44.4 66.6





#71

Bromoform

Concen: 44.853 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 151436

Ion Ratio Lower Upper

173 100

175 48.5 24.4 73.2

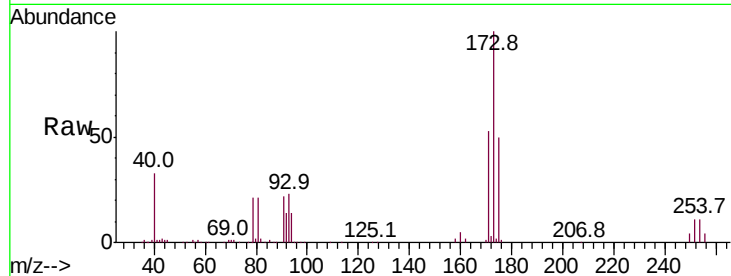
254 0.0 0.1 0.1#

Manual Integrations

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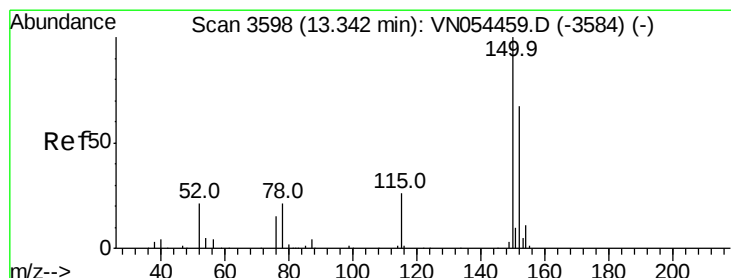
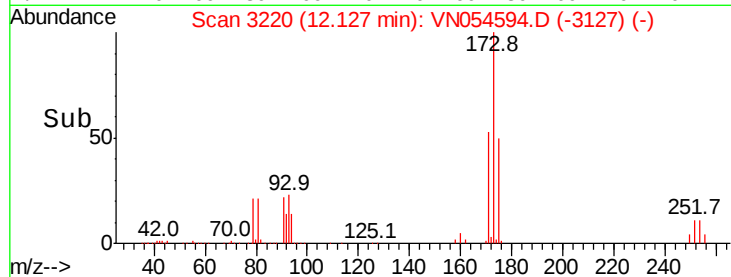
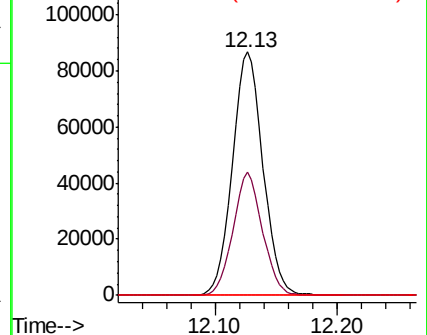
3/25/2019 12:53:43 PM



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: VN054594.D

Acq: 23 Mar 2019 8:45

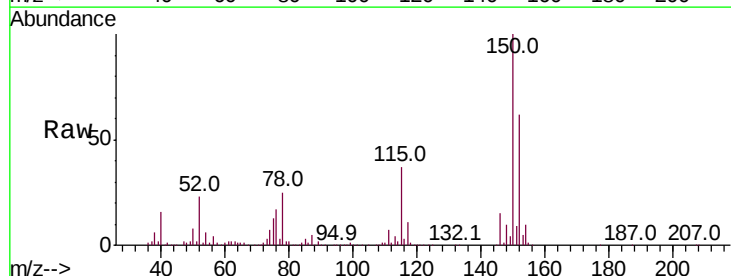
Tgt Ion:152 Resp: 296085

Ion Ratio Lower Upper

152 100

115 58.4 27.2 81.6

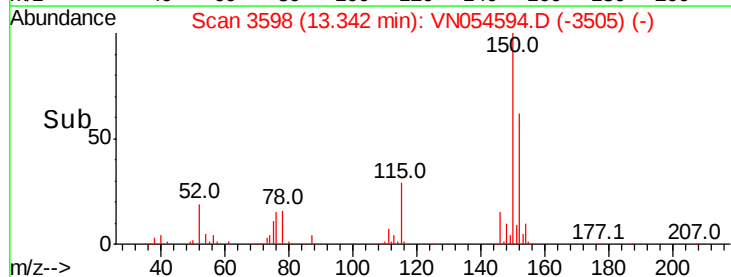
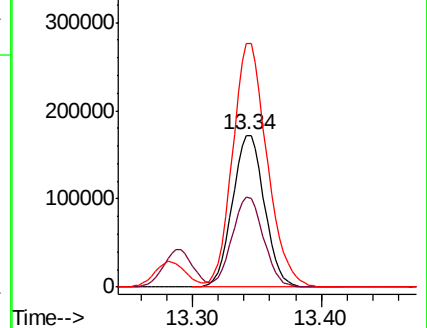
150 172.6 0.0 349.2

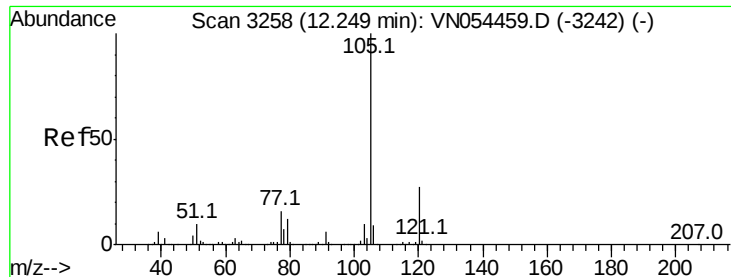


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.304 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1176346

Ion Ratio Lower Upper

105 100

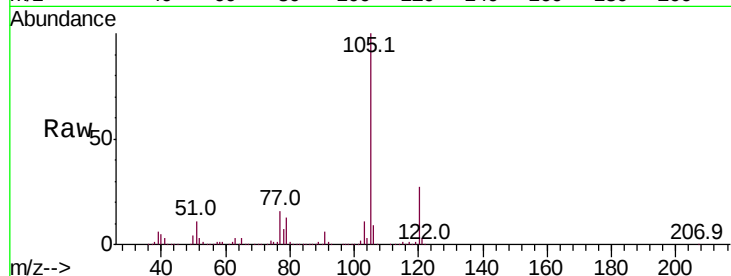
120 26.8 13.8 41.3

Manual Integrations

APPROVED

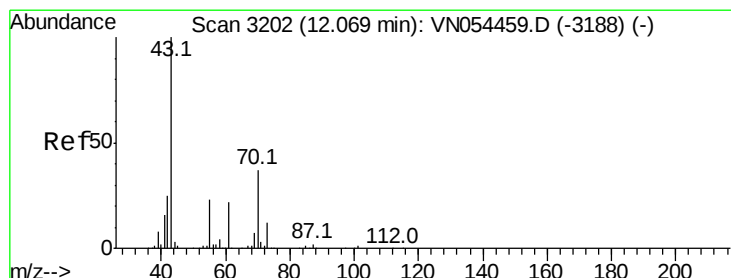
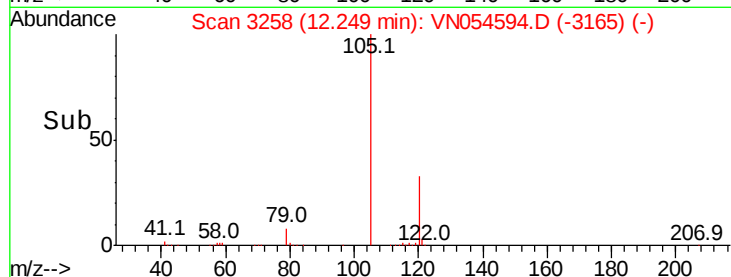
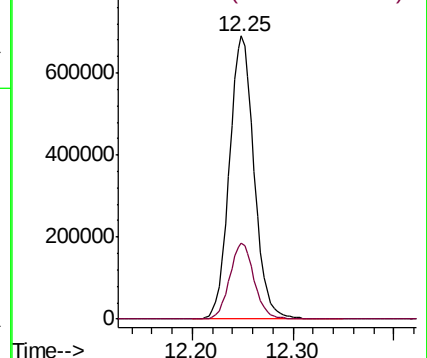
MMDadoda

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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: 61.616 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Tgt Ion: 43 Resp: 422707

Ion Ratio Lower Upper

43 100

70 36.8 35.4 53.0

55 23.1 19.8 29.6

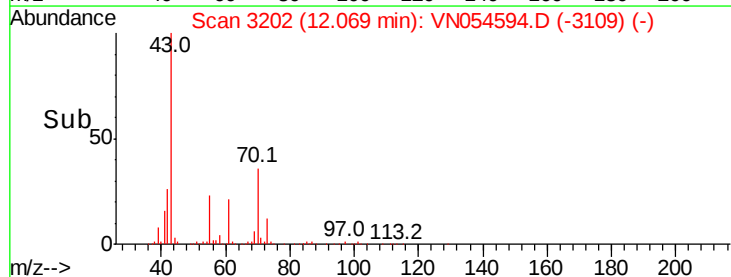
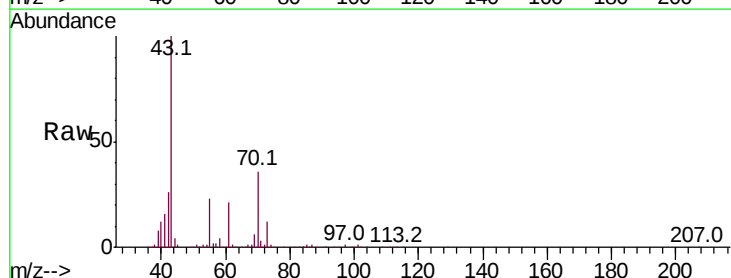
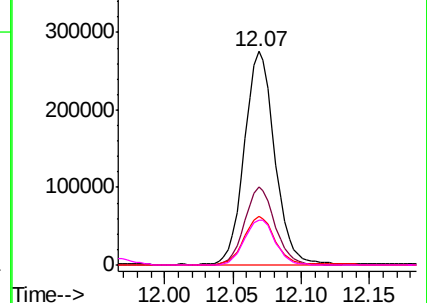
61 21.7 19.8 29.6

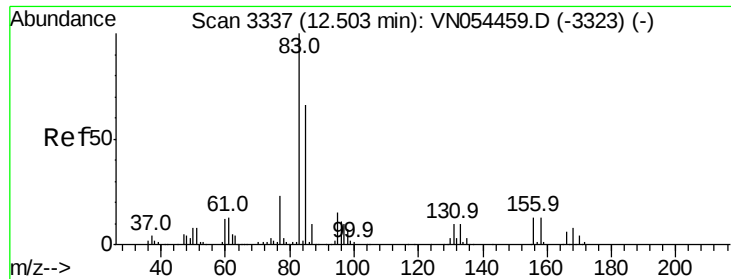
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.574 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

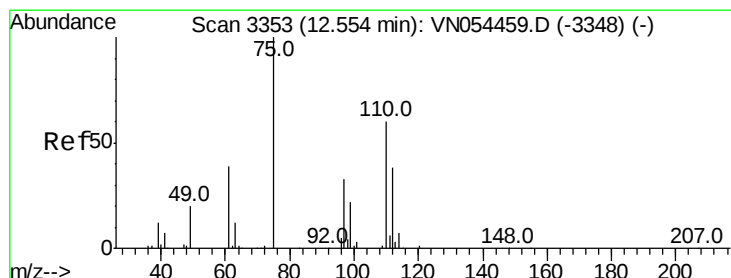
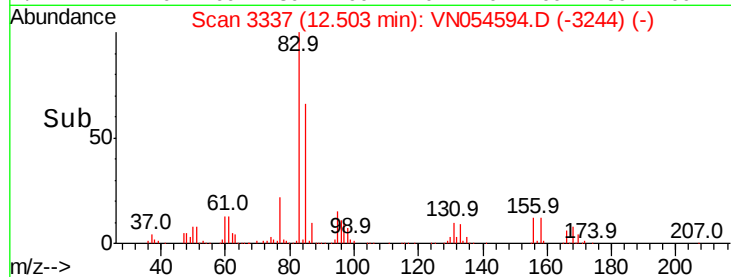
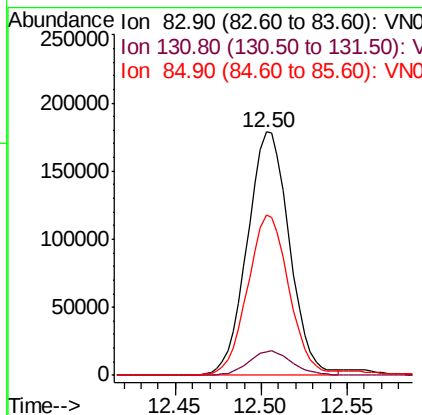
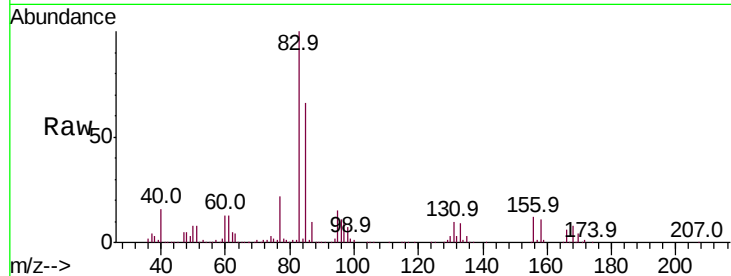
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	302681
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.8	17.4
85	64.6	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 56.747 ug/l m

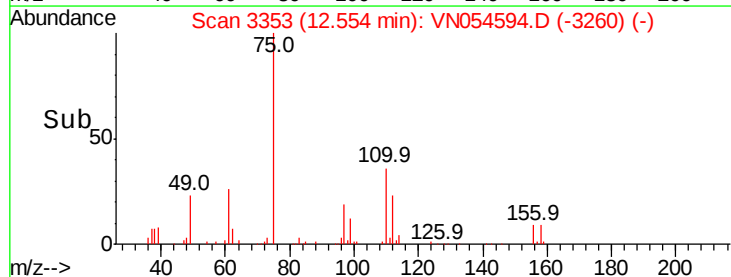
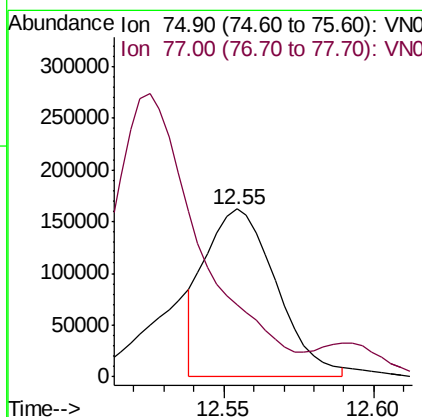
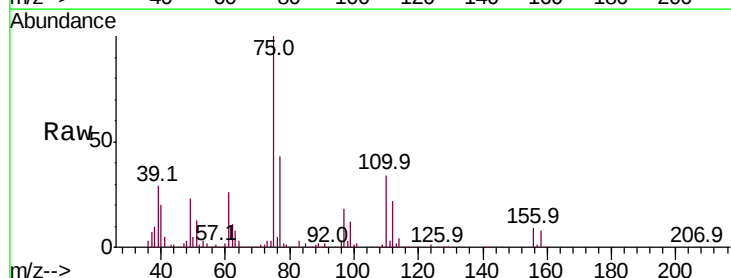
RT: 12.55 min Scan# 3353

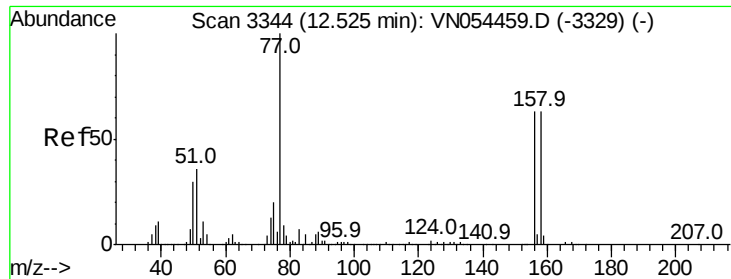
Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Tgt Ion:	75	Resp:	266620
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





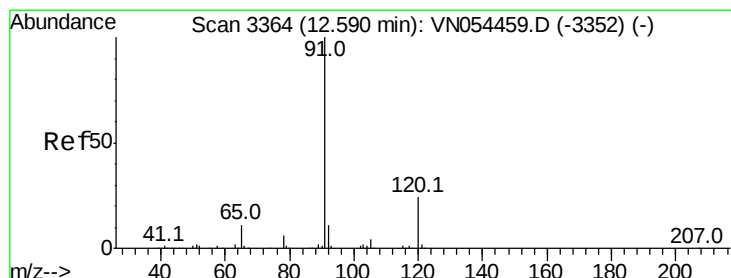
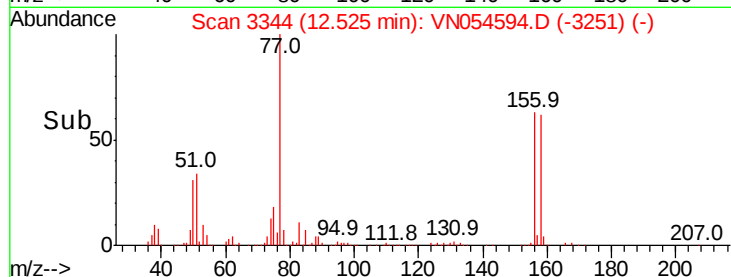
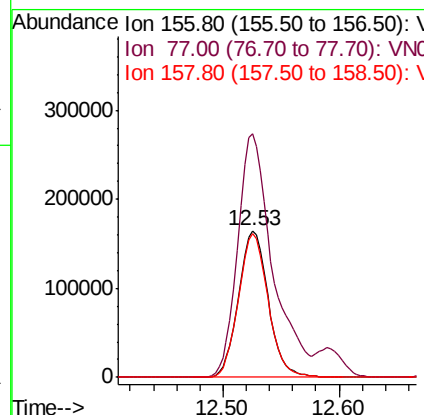
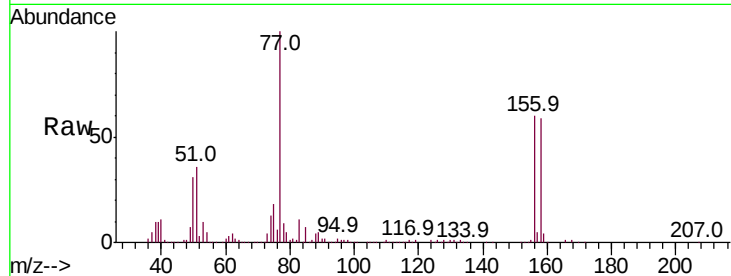
#77
Bromobenzene
Concen: 49.569 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	194.4	81.5	244.4
158	97.4	49.0	147.2

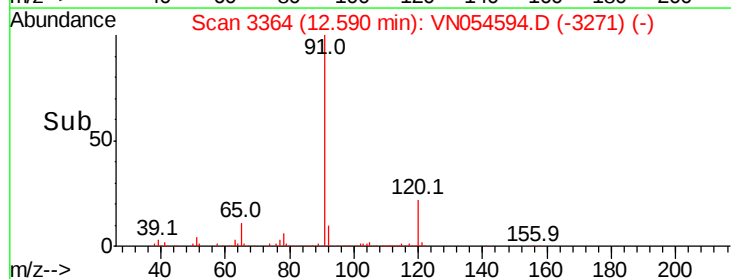
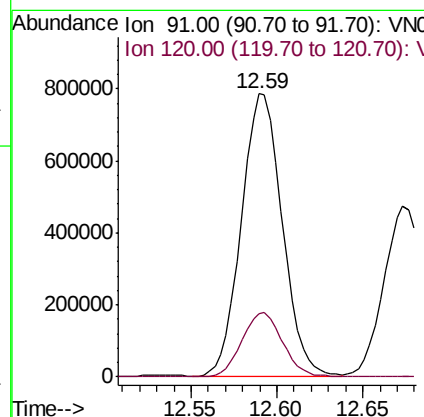
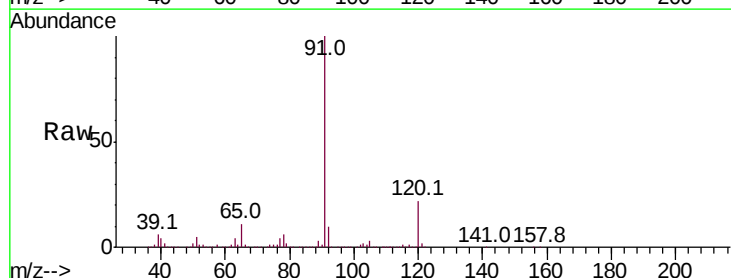
Manual Integrations
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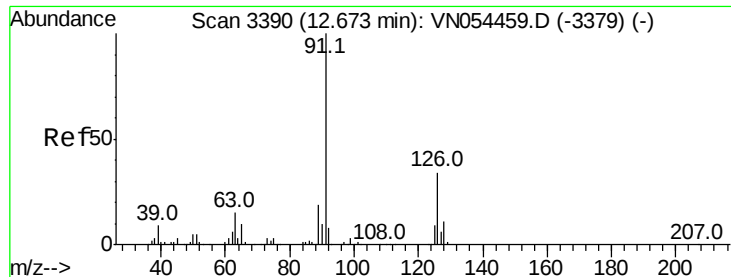
MMDadoda
3/25/2019 12:53:43 PM



#78
n-propylbenzene
Concen: 49.958 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	12.3	36.9





#79

2-Chlorotoluene

Concen: 49.287 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 795180

Ion Ratio Lower Upper

91 100

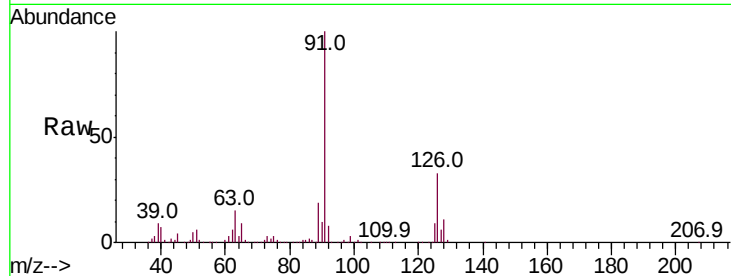
126 34.0 18.7 56.1

Manual Integrations

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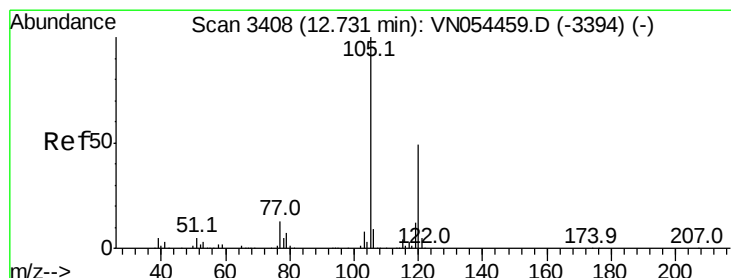
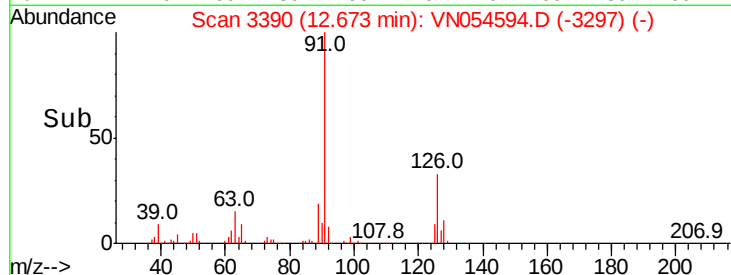
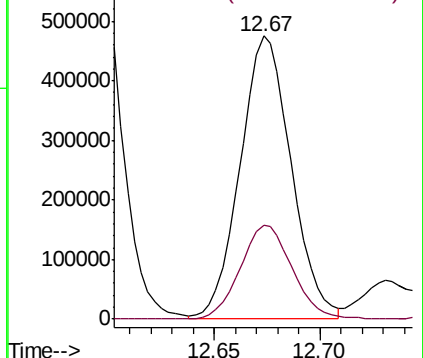
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054459.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.064 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054594.D

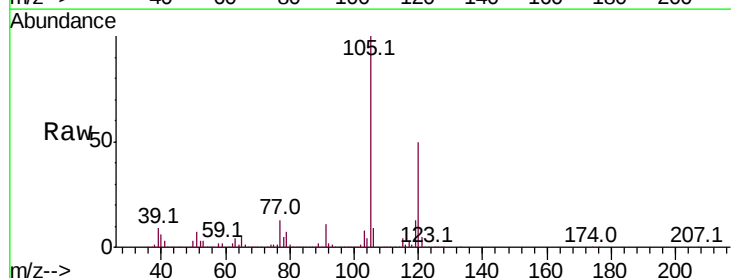
Acq: 23 Mar 2019 8:45

Tgt Ion: 105 Resp: 959428

Ion Ratio Lower Upper

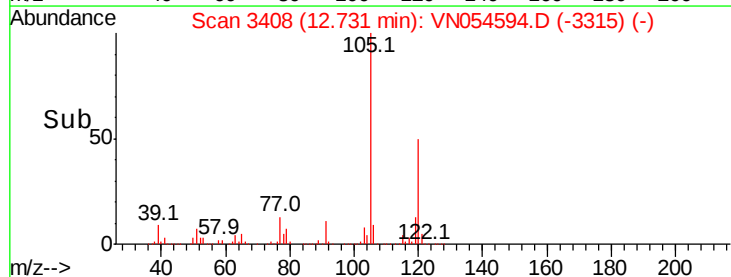
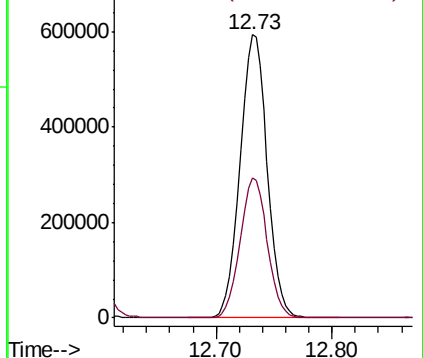
105 100

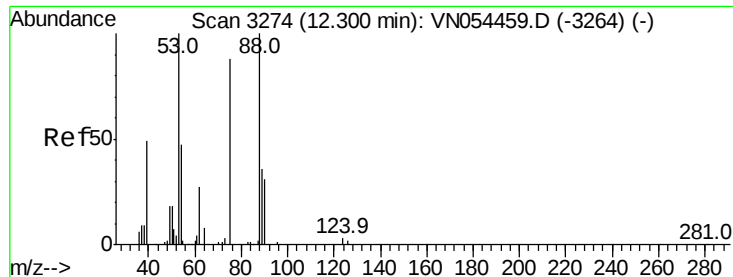
120 49.6 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054459.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054459.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 38.955 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 52072

Ion Ratio Lower Upper

75 100

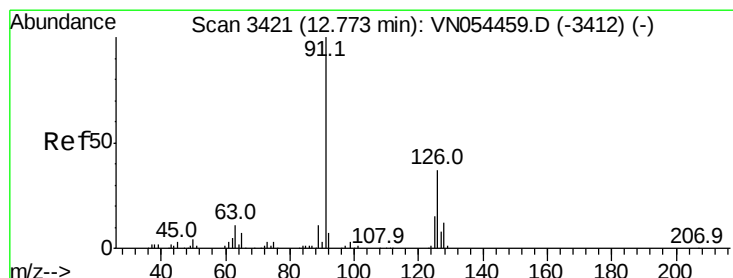
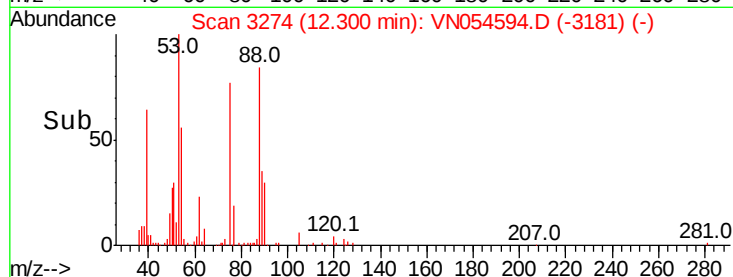
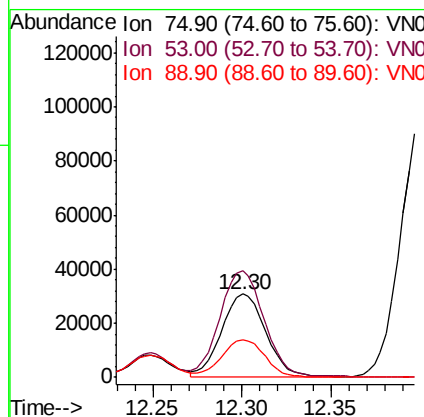
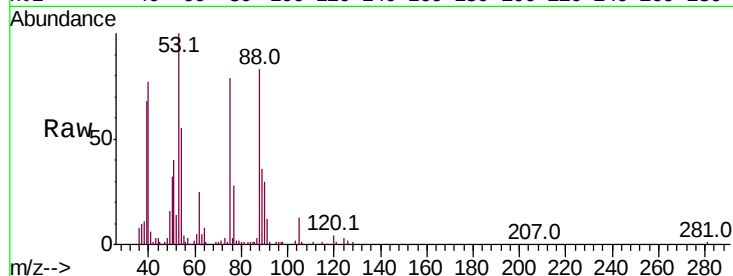
53 132.8 76.2 114.2#

89 45.0 39.2 58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.713 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054594.D

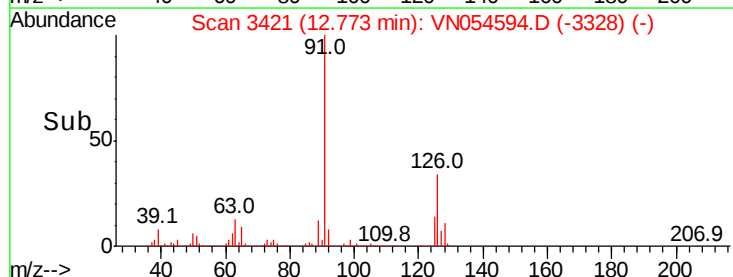
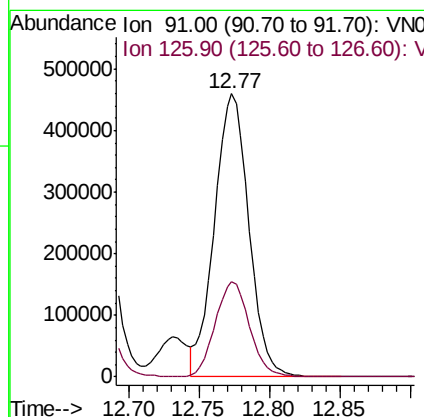
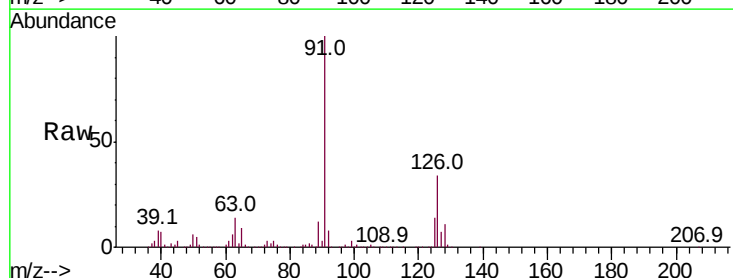
Acq: 23 Mar 2019 8:45

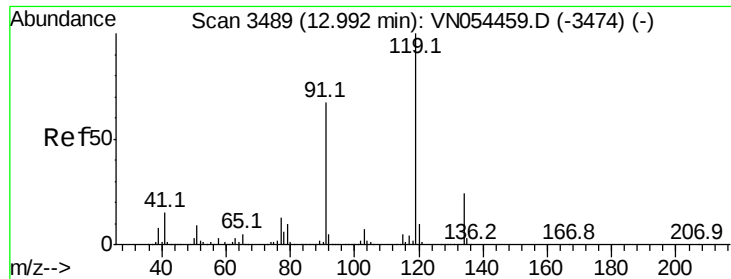
Tgt Ion: 91 Resp: 777439

Ion Ratio Lower Upper

91 100

126 33.5 18.1 54.1





#83

tert-Butylbenzene

Concen: 49.080 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

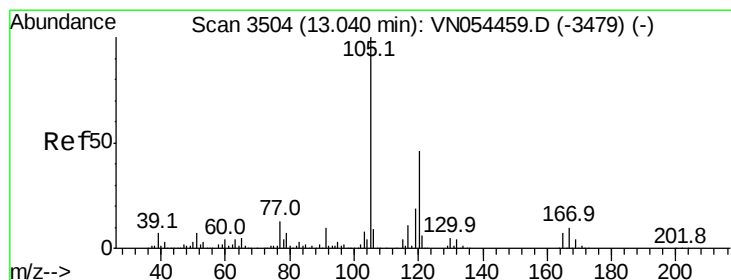
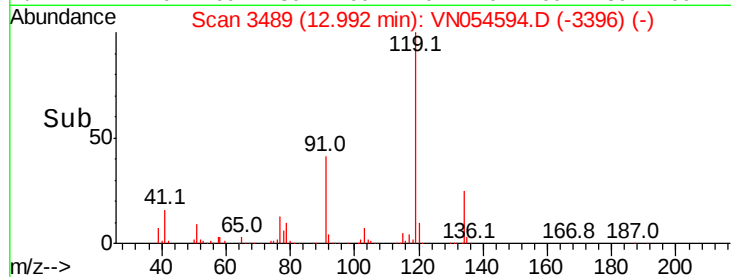
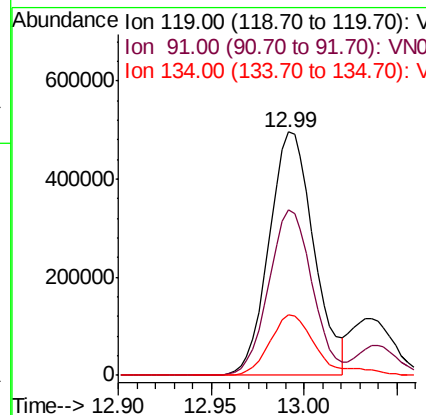
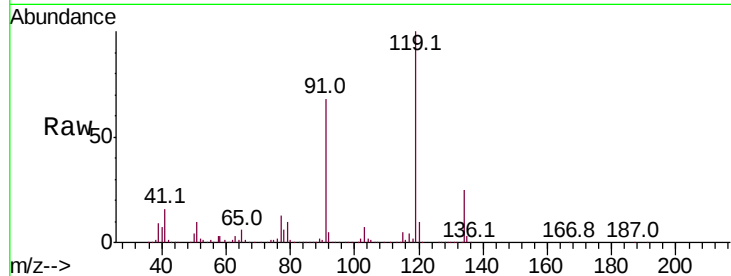
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	835410
Ion Ratio	Lower	Upper	
119	100		
91	66.1	30.9	92.8
134	26.3	13.2	39.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 49.596 ug/l

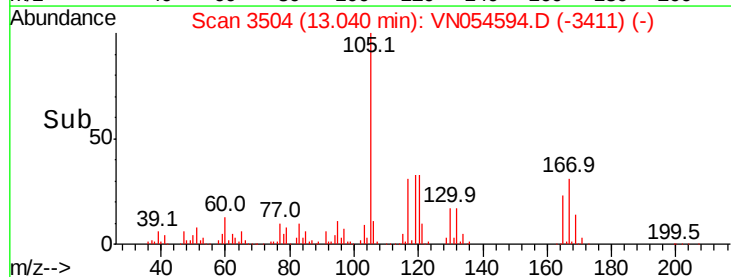
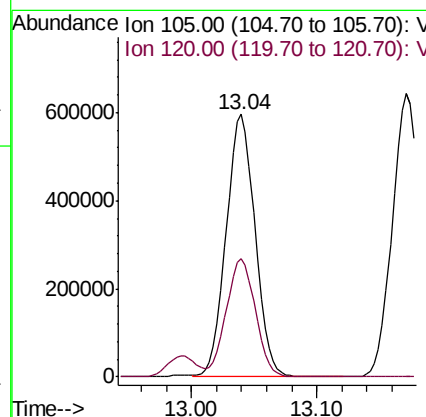
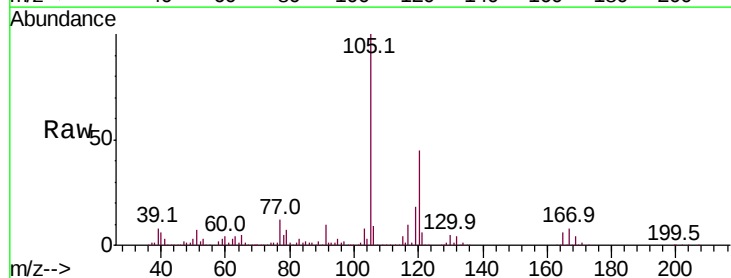
RT: 13.04 min Scan# 3504

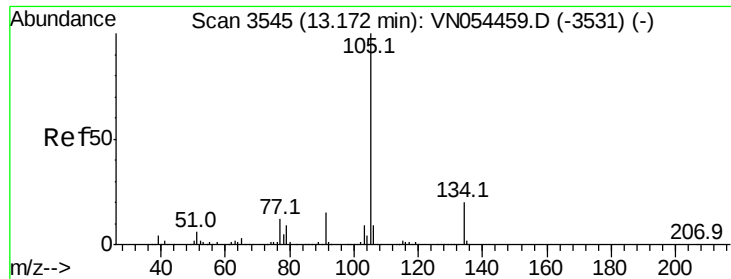
Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Tgt Ion:	105	Resp:	951620
Ion Ratio	Lower	Upper	
105	100		
120	45.6	23.4	70.3





#85

sec-Butylbenzene

Concen: 48.870 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1036941

Ion Ratio Lower Upper

105 100

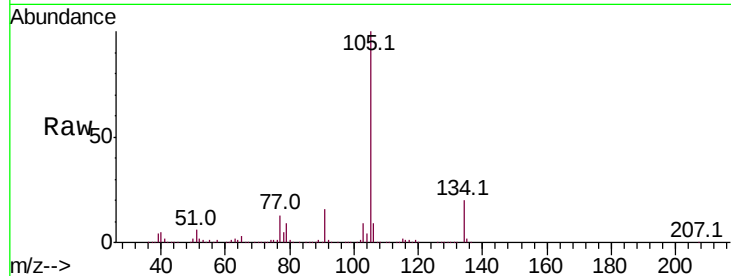
134 20.4 10.7 32.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

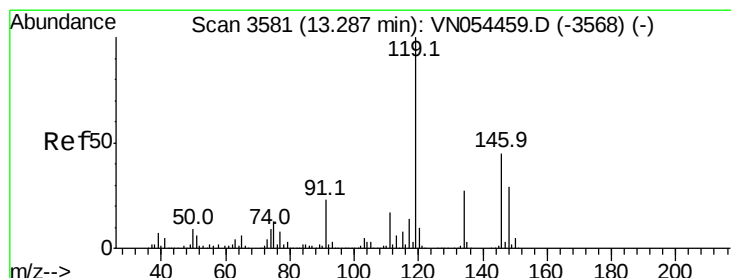
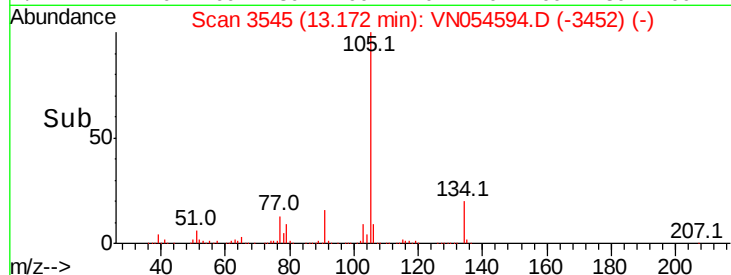
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 48.657 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

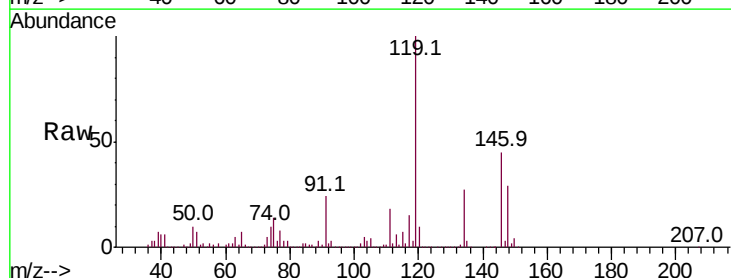
Tgt Ion:119 Resp: 923668

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

91 23.4 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

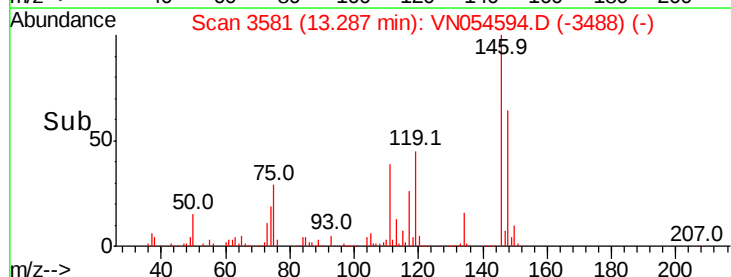
600000

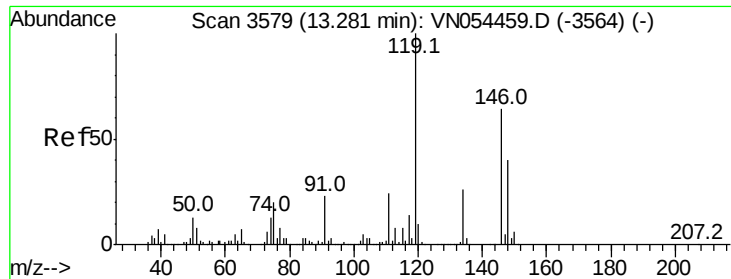
400000

200000

0

Time-->





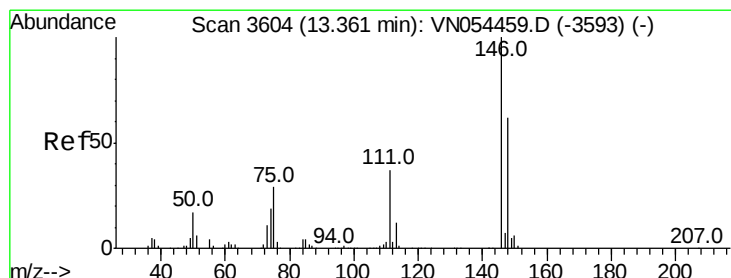
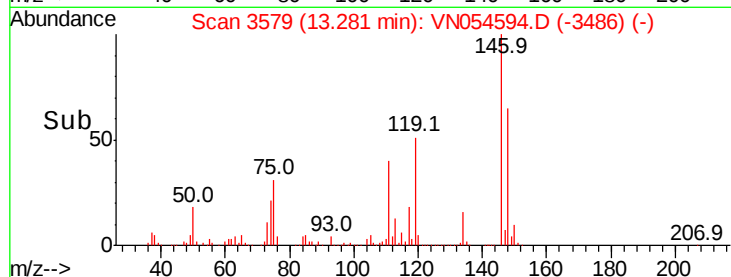
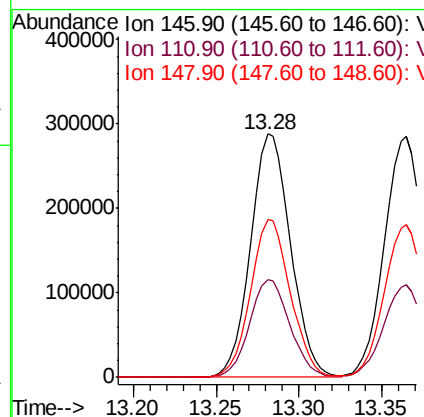
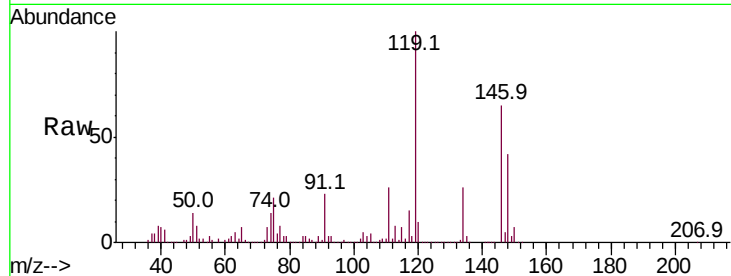
#87
 1,3-Dichlorobenzene
 Concen: 49.300 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	18.8	56.3
148	64.4	32.2	96.6

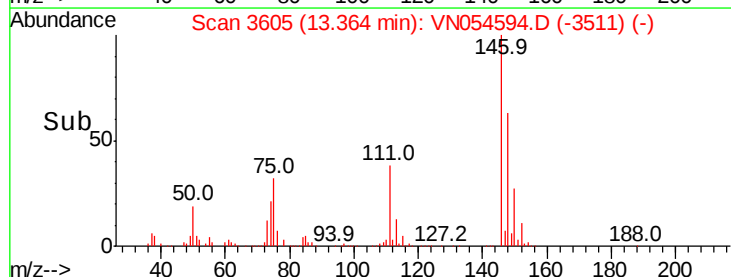
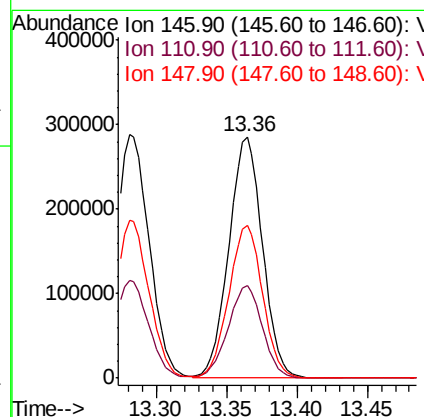
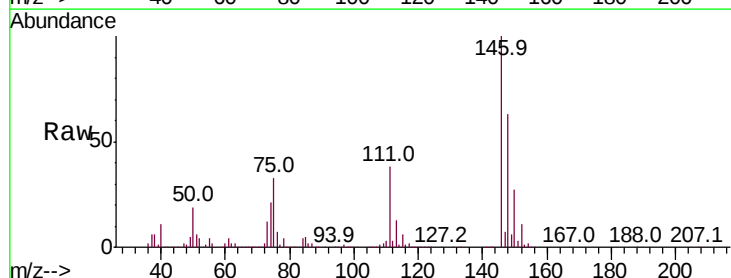
Manual Integrations
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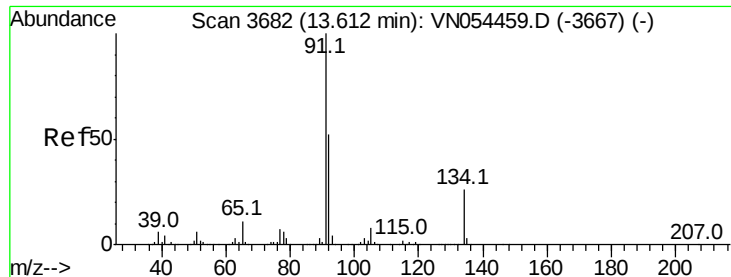
MMDadoda
 3/25/2019 12:53:43 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.935 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.1	54.1
148	63.7	32.0	96.0





#89

n-Butylbenzene

Concen: 49.467 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

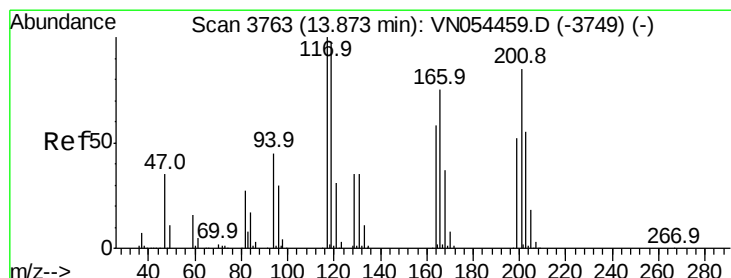
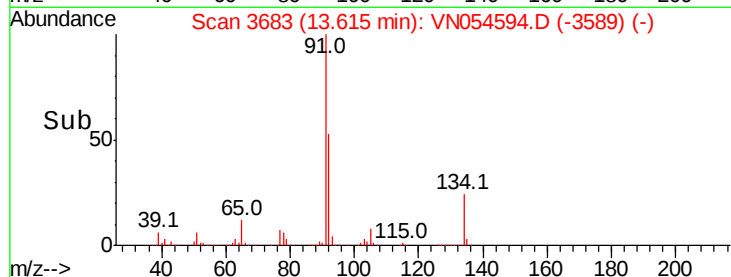
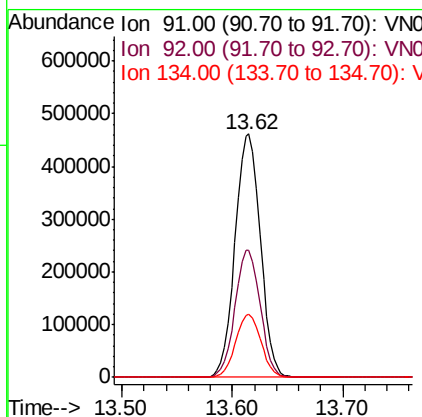
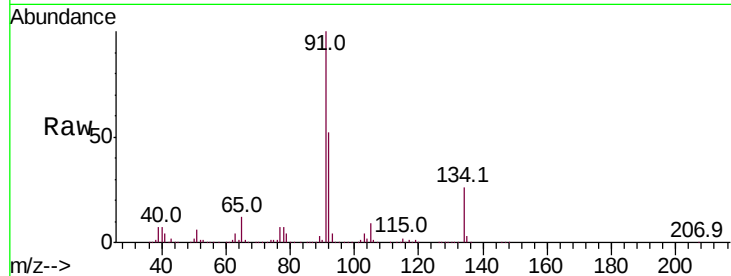
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	734271
Ion Ratio	Lower	Upper	
91	100		
92	51.9	26.2	78.6
134	25.9	14.3	42.9

Manual Integrations
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#90

Hexachloroethane

Concen: 48.591 ug/l

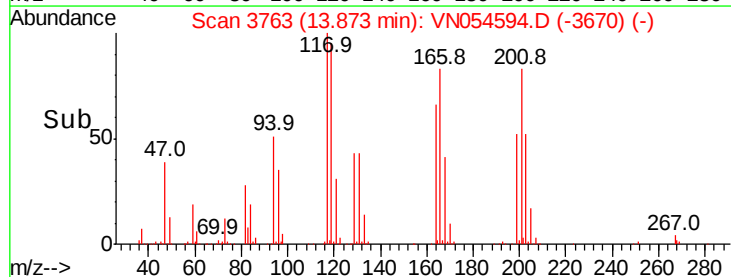
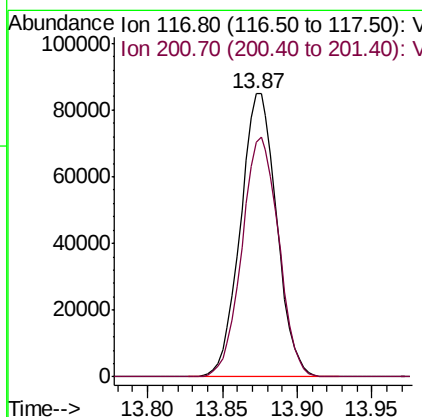
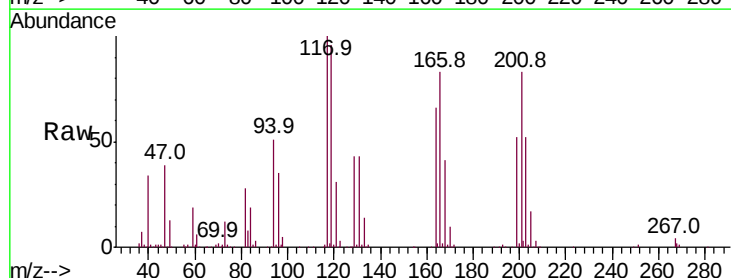
RT: 13.87 min Scan# 3763

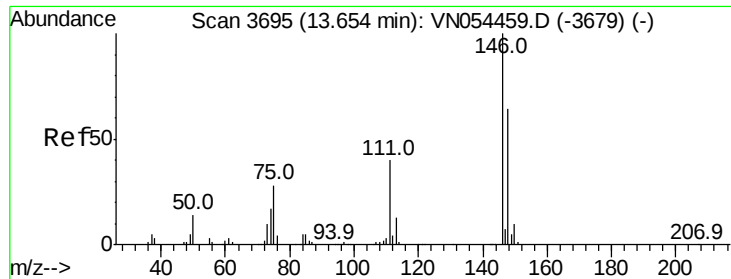
Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Tgt Ion:	117	Resp:	143179
Ion Ratio	Lower	Upper	
117	100		
201	85.5	48.1	144.4





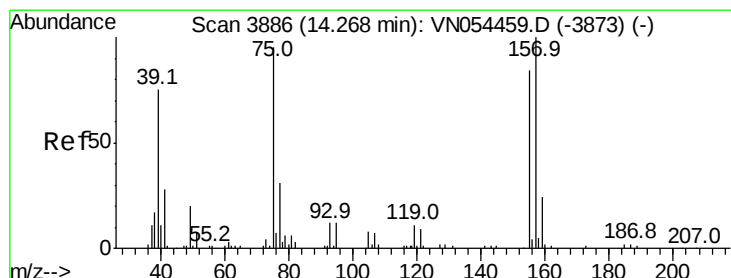
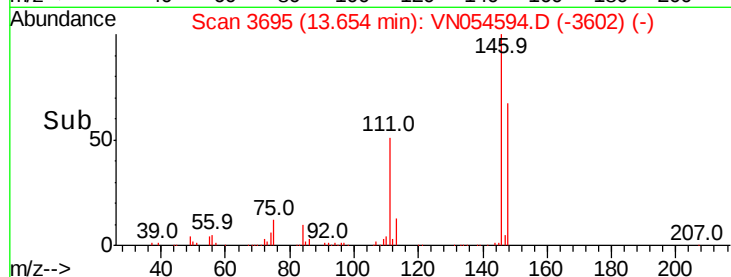
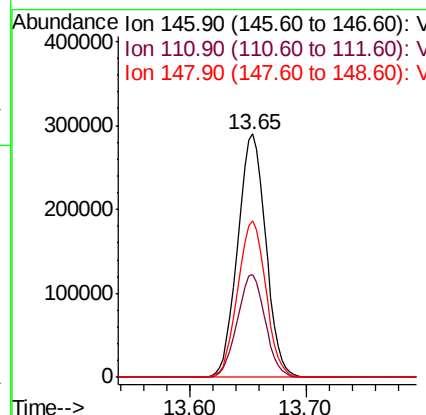
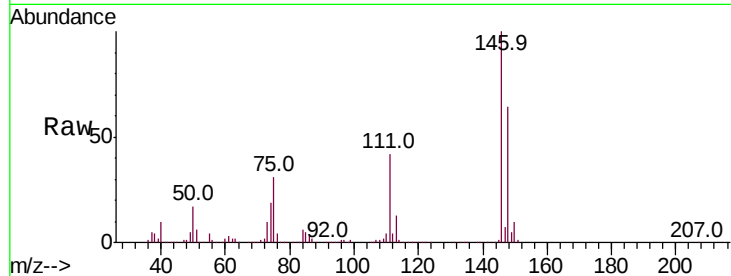
#91
 1,2-Dichlorobenzene
 Concen: 50.944 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	19.1	57.3
148	64.4	32.4	97.0

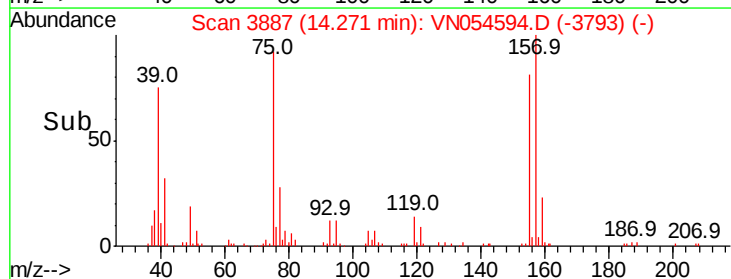
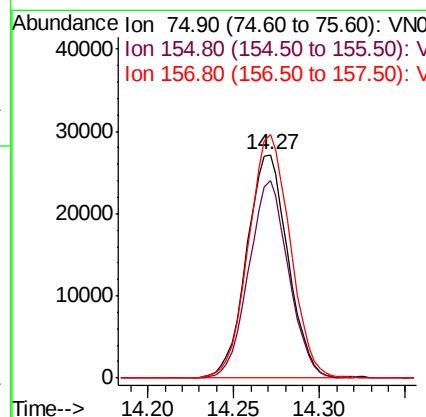
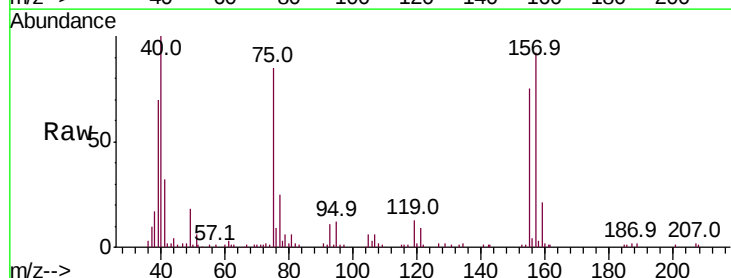
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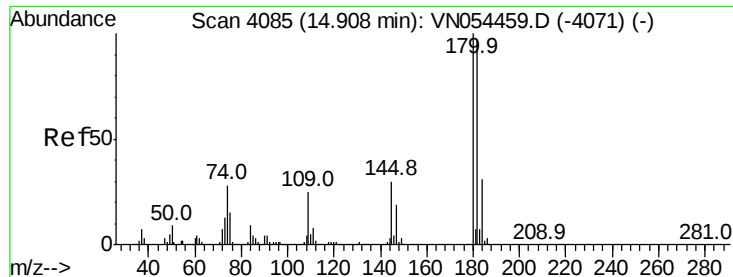
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.811 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.7	50.1	150.3
157	109.5	63.1	189.3





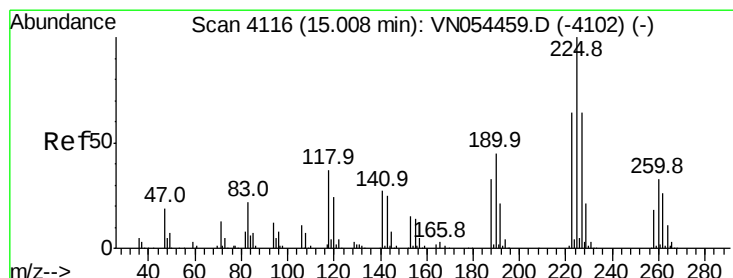
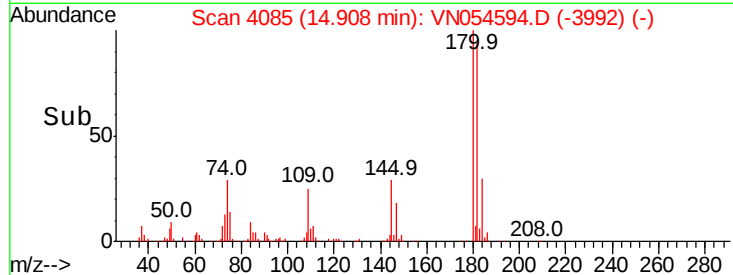
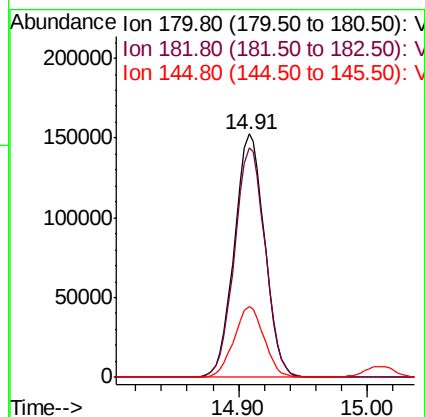
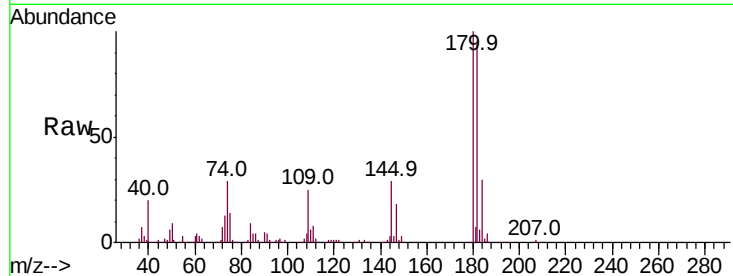
#93
 1,2,4-Trichlorobenzene
 Concen: 52.542 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	248778
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.0	144.2
145	28.9	14.2	42.8

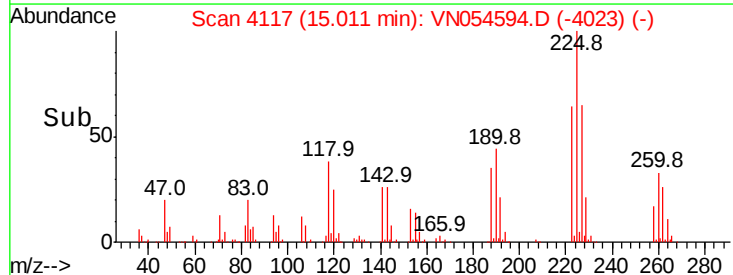
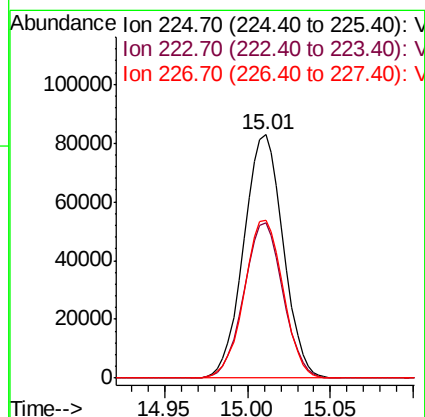
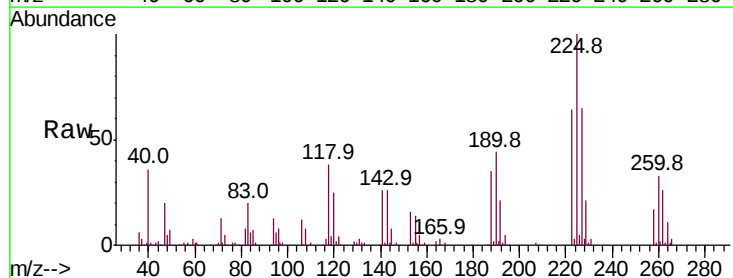
Manual Integrations
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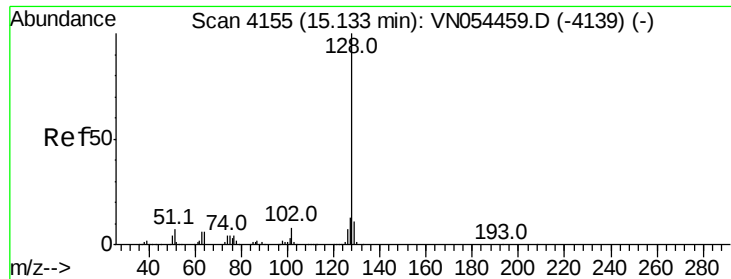
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#94
 Hexachlorobutadiene
 Concen: 51.580 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Tgt Ion:	225	Resp:	137009
Ion Ratio	Lower	Upper	
225	100		
223	63.3	31.1	93.5
227	64.0	31.9	95.9





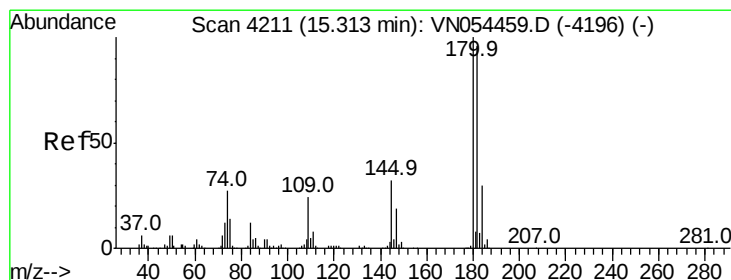
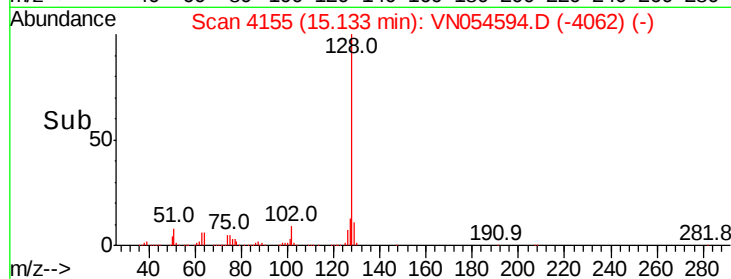
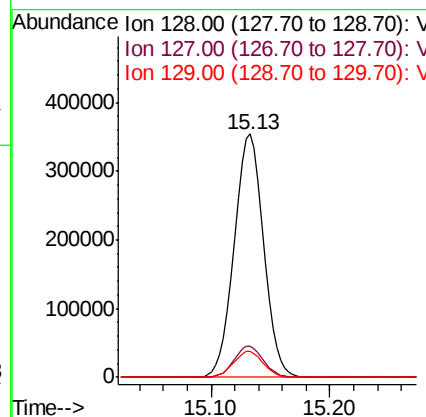
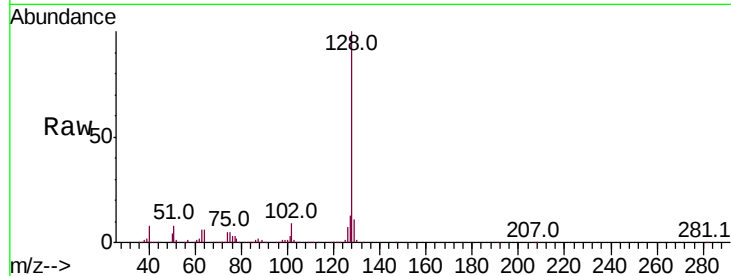
#95
Naphthalene
Concen: 57.383 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.8	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 53.494 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.6
145	30.5	14.8	44.3

