

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054422.D
 Acq On : 19 Mar 2019 5:02
 Operator : JC/SP
 Sample : VN0318WBSD02
 Misc : 5.00uL/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD02

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 9:23:01 AM

Quant Time: Mar 19 07:56:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1172129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1900606	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1649993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	767051	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	644719	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
35) Dibromofluoromethane	7.59	113	620412	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
50) Toluene-d8	10.09	98	2240115	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	12.40	95	751903	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	222451	20.025	ug/l	98
3) Chloromethane	2.06	50	218072	20.209	ug/l	100
4) Vinyl Chloride	2.19	62	233222	18.910	ug/l	97
5) Bromomethane	2.57	94	150868	17.662	ug/l	96
6) Chloroethane	2.71	64	140433	18.819	ug/l	99
7) Trichlorofluoromethane	3.02	101	299308	18.253	ug/l	100
8) Diethyl Ether	3.41	74	158754	21.245	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	234531	19.086	ug/l	98
10) Methyl Iodide	3.94	142	325087	19.568	ug/l	100
11) Tert butyl alcohol	4.82	59	87949	103.061	ug/l	99
12) 1,1-Dichloroethene	3.73	96	240391	19.741	ug/l	97
13) Acrolein	3.61	56	48304	59.735	ug/l	97
14) Allyl chloride	4.31	41	312118	19.977	ug/l	96
15) Acrylonitrile	4.99	53	437618	124.842	ug/l	98
16) Acetone	3.82	43	273860	76.837	ug/l	100
17) Carbon Disulfide	4.04	76	494027	16.184	ug/l	100
18) Methyl Acetate	4.33	43	202205	28.042	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	707148	23.428	ug/l	99
20) Methylene Chloride	4.55	84	266975	22.812	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	254393	21.804	ug/l	98
22) Diisopropyl ether	5.96	45	733866	23.535	ug/l	96
23) Vinyl Acetate	5.90	43	2410977	104.867	ug/l	99
24) 1,1-Dichloroethane	5.84	63	464631	23.207	ug/l	98
25) 2-Butanone	6.85	43	472961	113.061	ug/l	99
26) 2,2-Dichloropropane	6.82	77	213596	12.131	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	301699	23.179	ug/l	94
28) Bromochloromethane	7.19	49	172026	21.017	ug/l	98
29) Tetrahydrofuran	7.22	42	318311	118.346	ug/l	98
30) Chloroform	7.37	83	478779	22.917	ug/l	100
31) Cyclohexane	7.65	56	397106	20.490	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	387133	20.517	ug/l	99
36) 1,1-Dichloropropene	7.79	75	336713	19.237	ug/l	99
37) Ethyl Acetate	6.94	43	185879	18.483	ug/l #	93
38) Carbon Tetrachloride	7.77	117	334158	18.205	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	382350	17.755	ug/l	97
40) Benzene	8.04	78	1066915	21.301	ug/l	99
41) Methacrylonitrile	7.18	41	123053	21.429	ug/l	97
42) 1,2-Dichloroethane	8.13	62	336669	19.909	ug/l	98
43) Isopropyl Acetate	8.17	43	340893	19.311	ug/l	97
44) Trichloroethene	8.83	130	315254	20.261	ug/l	96
45) 1,2-Dichloropropane	9.12	63	279085	22.440	ug/l	100
46) Dibromomethane	9.21	93	175698	20.909	ug/l	98
47) Bromodichloromethane	9.40	83	324210	19.245	ug/l	99
48) Methyl methacrylate	9.20	41	185136	20.666	ug/l	93
49) 1,4-Dioxane	9.21	88	58660	462.922	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1025018	109.722	ug/l	97
52) Toluene	10.16	92	660993	20.813	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	280135	15.947	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	353635	18.014	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	252558	21.780	ug/l	99
56) Ethyl methacrylate	10.43	69	295295	21.357	ug/l	93
57) 1,3-Dichloropropane	10.71	76	416307	21.956	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	584133	107.650	ug/l	99
59) 2-Hexanone	10.75	43	629765	101.312	ug/l	95
60) Dibromochloromethane	10.90	129	255780	19.597	ug/l	96
61) 1,2-Dibromoethane	11.00	107	249367	21.161	ug/l	100
64) Tetrachloroethene	10.63	164	323663	20.289	ug/l	97
65) Chlorobenzene	11.43	112	767092	21.173	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	265282	20.156	ug/l	99
67) Ethyl Benzene	11.51	91	1238865	20.628	ug/l	100
68) m/p-Xylenes	11.62	106	963029	41.027	ug/l	100
69) o-Xylene	11.95	106	489377	21.387	ug/l	98
70) Styrene	11.96	104	766055	21.346	ug/l	100
71) Bromoform	12.13	173	157067	17.270	ug/l #	99
73) Isopropylbenzene	12.25	105	1279065	20.842	ug/l	100
74) N-amyl acetate	12.07	43	280058	20.559	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	285627	21.845	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	250022m	22.165	ug/l	
77) Bromobenzene	12.53	156	1161446	71.521	ug/l #	21
78) n-propylbenzene	12.59	91	1342278	20.158	ug/l	99
79) 2-Chlorotoluene	12.67	91	823527	20.569	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1085224	21.260	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	42138	12.770	ug/l #	84
82) 4-Chlorotoluene	12.77	91	808912	20.233	ug/l	99
83) tert-Butylbenzene	12.99	119	942952	20.069	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1027034	20.508	ug/l	100
85) sec-Butylbenzene	13.17	105	1183559	19.424	ug/l	99
86) p-Isopropyltoluene	13.29	119	1045976	19.567	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	555145	20.288	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	539119	20.056	ug/l	99
89) n-Butylbenzene	13.61	91	758912	18.685	ug/l	99
90) Hexachloroethane	13.87	117	140589	15.883	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	566621	21.182	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41569	20.546	ug/l	98

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ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	299799	20.146	ug/l	99
94) Hexachlorobutadiene	15.01	225	167259	16.415	ug/l	99
95) Naphthalene	15.13	128	711370	23.147	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	317580	22.344	ug/l	98

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

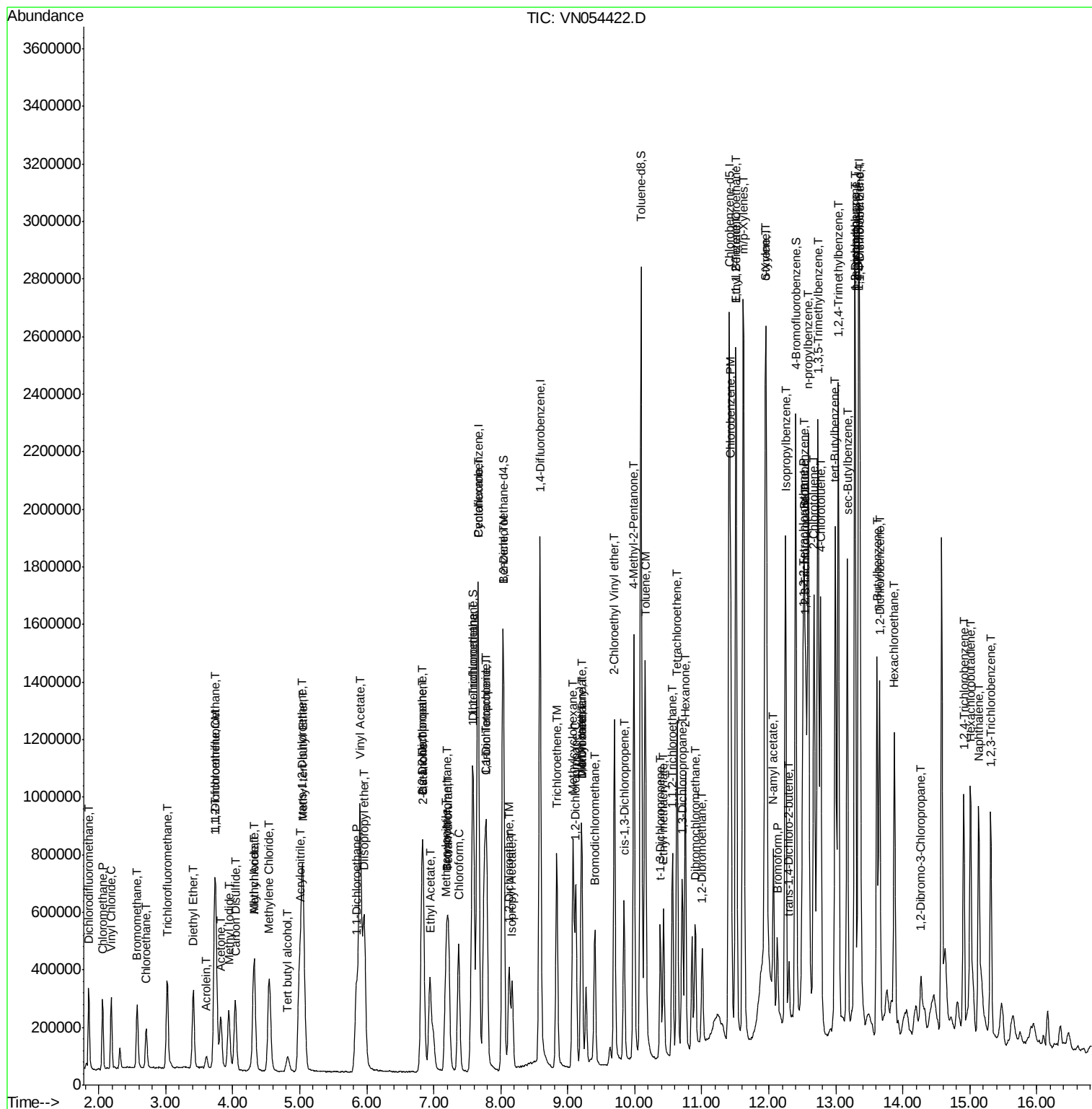
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Data File : VN054422.D
Acq On : 19 Mar 2019 5:02
Operator : JC/SP
Sample : VN0318WBSD02
Misc : 5.00µL/10mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 46 Sample Multiplier: 1

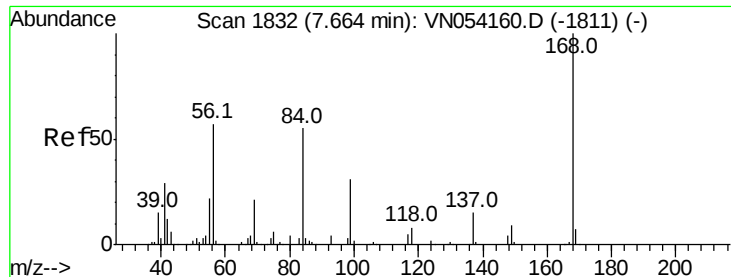
Instrument :
MSVOA_N
Client Sample Id :
VN0318WBSD02

Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion:168 Resp: 1172129

Ion Ratio Lower Upper

168 100

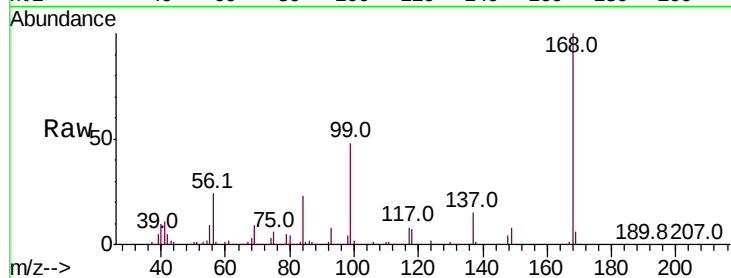
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Manual Integrations

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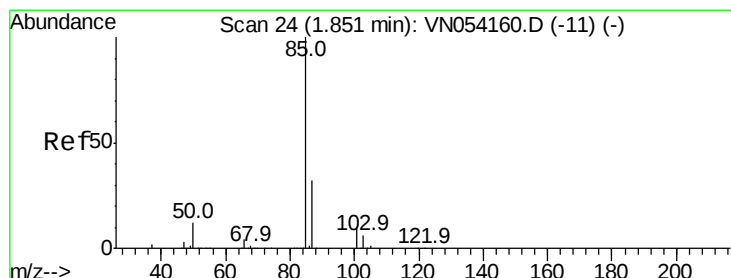
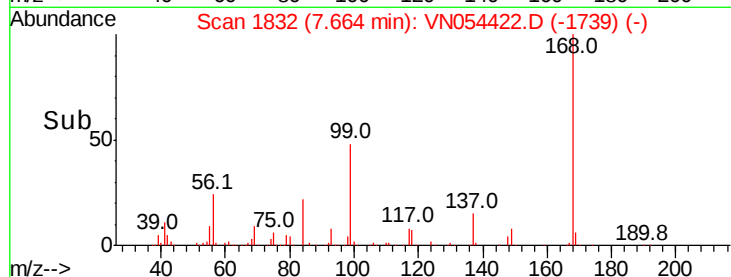
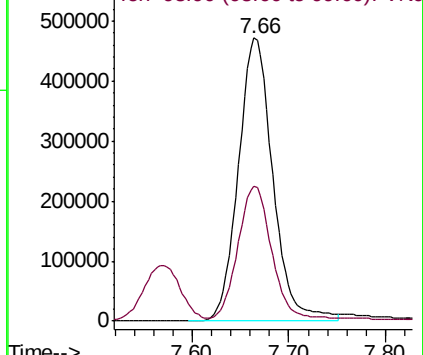
MMDadoda

3/19/2019 9:23:01 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.025 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054422.D

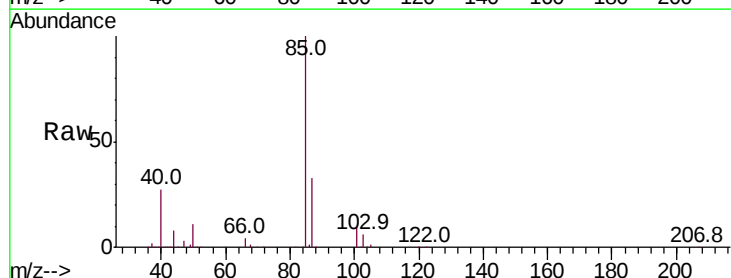
Acq: 19 Mar 2019 5:02

Tgt Ion: 85 Resp: 222451

Ion Ratio Lower Upper

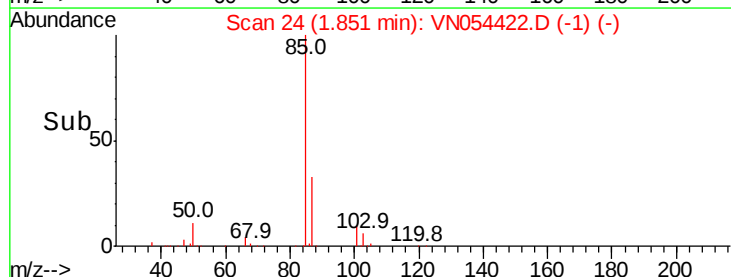
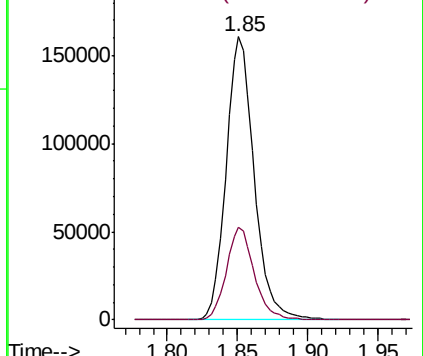
85 100

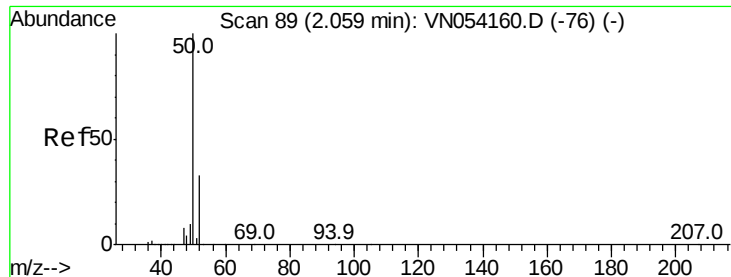
87 32.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.209 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion: 50 Resp: 218072

Ion Ratio Lower Upper

50 100

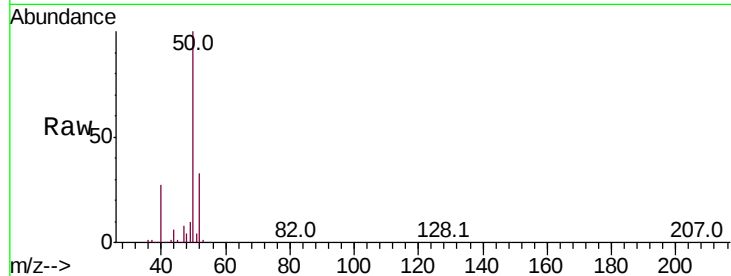
52 33.2 26.4 39.6

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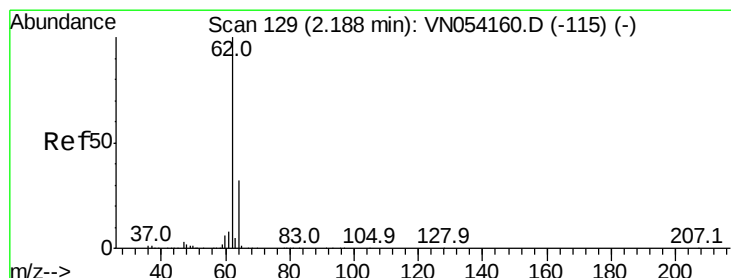
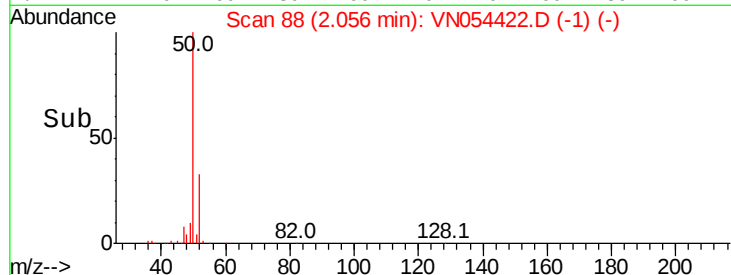
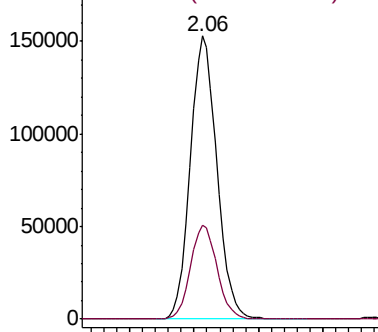
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.910 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054422.D

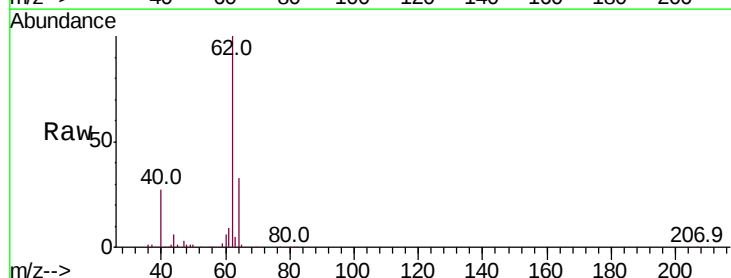
Acq: 19 Mar 2019 5:02

Tgt Ion: 62 Resp: 233222

Ion Ratio Lower Upper

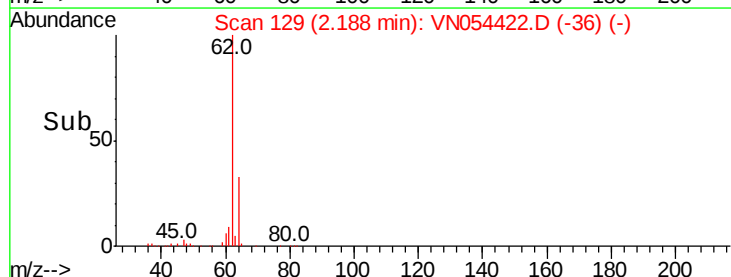
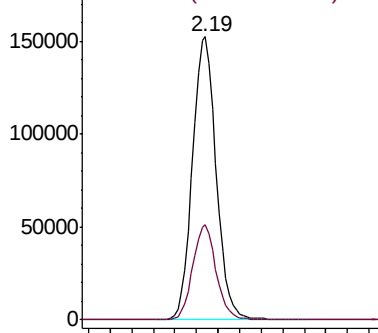
62 100

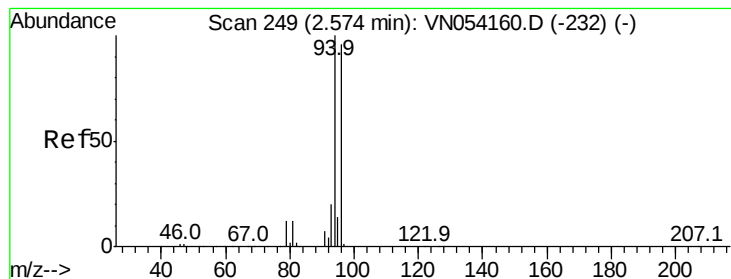
64 33.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 17.662 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

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Tot Ion: 94 Resp: 150868

Ion Ratio Lower Upper

94 100

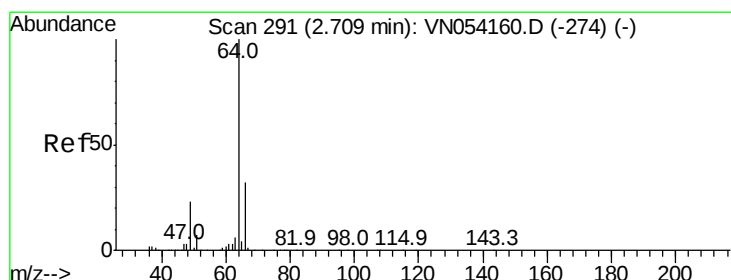
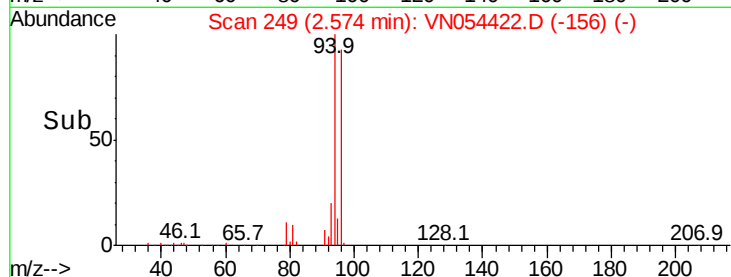
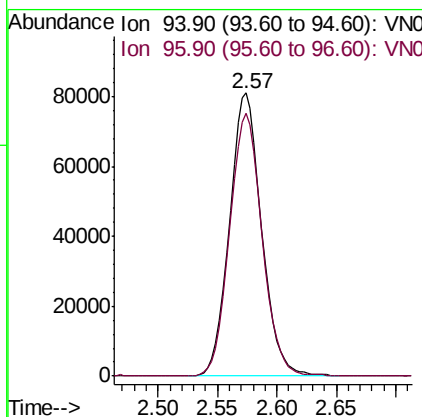
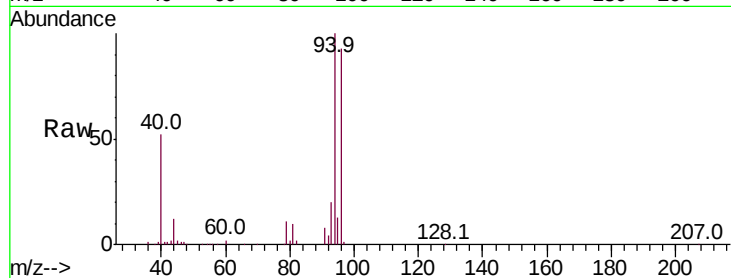
96 92.7 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 18.819 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054422.D

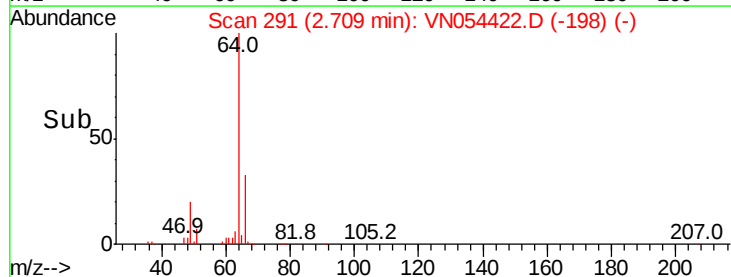
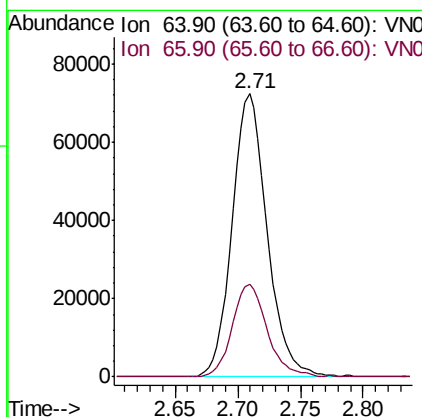
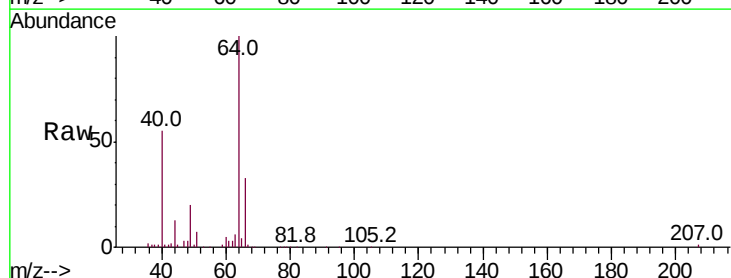
Acq: 19 Mar 2019 5:02

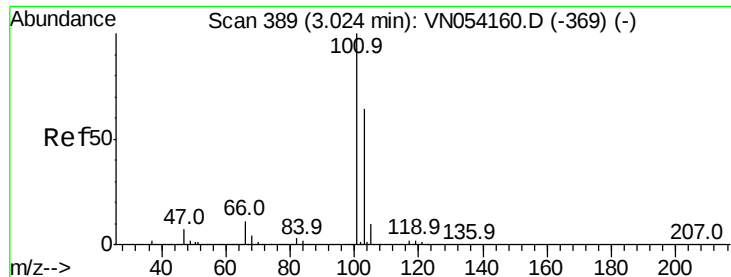
Tgt Ion: 64 Resp: 140433

Ion Ratio Lower Upper

64 100

66 32.4 25.7 38.5





#7

Trichlorofluoromethane

Concen: 18.253 ug/l

RT: 3.02 min Scan# 389

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion:101 Resp: 299308

Ion Ratio Lower Upper

101 100

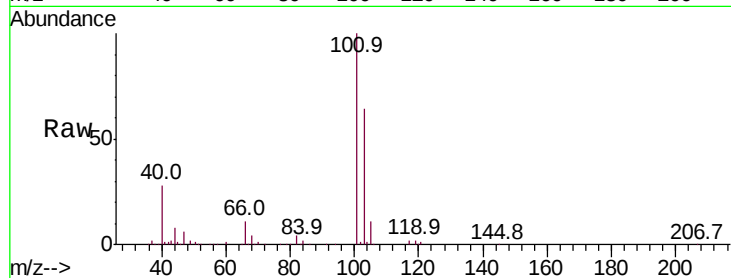
103 64.0 51.4 77.2

Manual Integrations

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.02

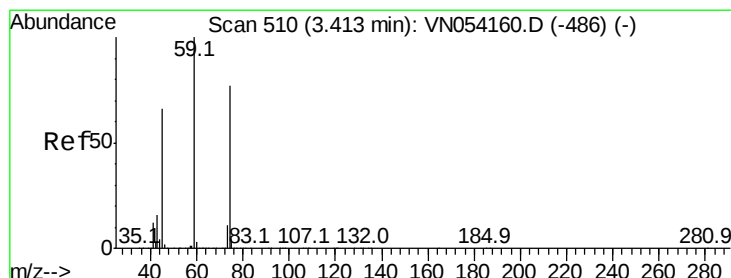
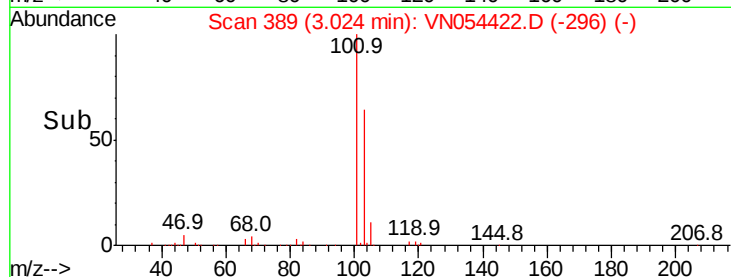
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100000

50000

0

Time--> 2.95 3.00 3.05 3.10



#8

Diethyl Ether

Concen: 21.245 ug/l

RT: 3.41 min Scan# 509

Delta R.T. -0.00 min

Lab File: VN054422.D

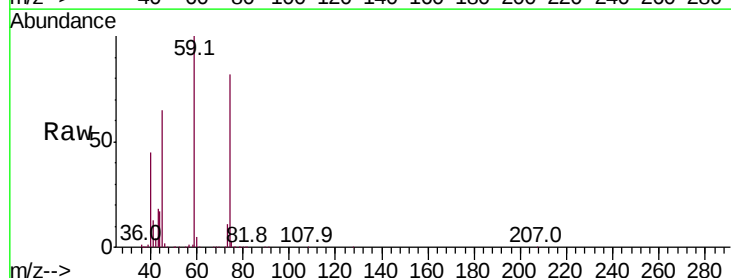
Acq: 19 Mar 2019 5:02

Tgt Ion: 74 Resp: 158754

Ion Ratio Lower Upper

74 100

45 79.4 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V

3.41

80000

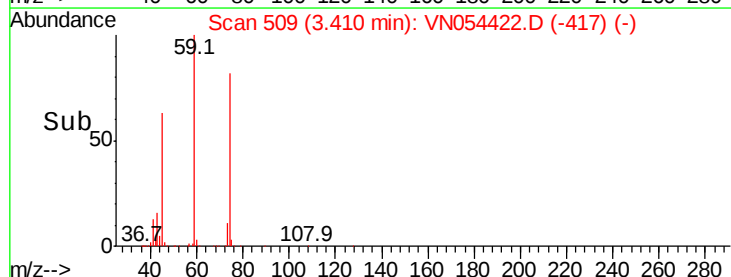
60000

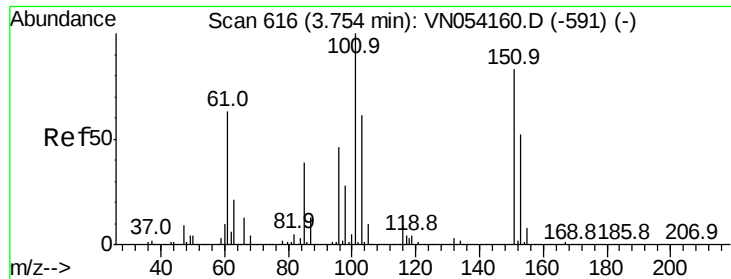
40000

20000

0

Time--> 3.30 3.40 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.086 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

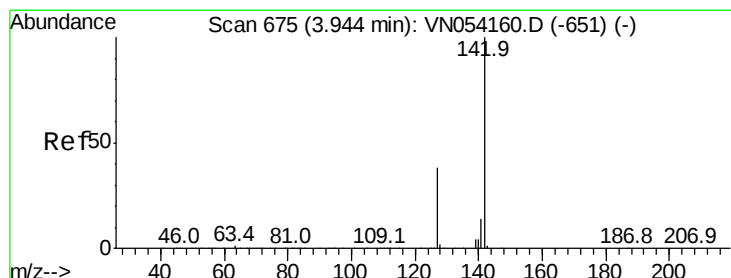
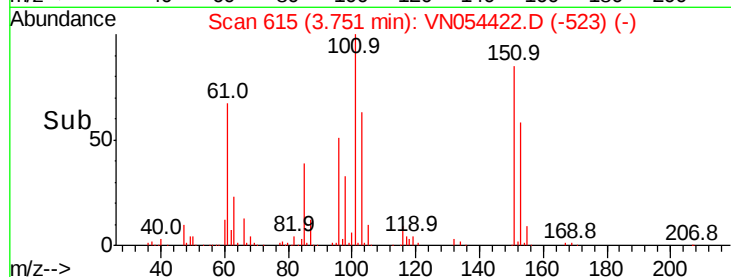
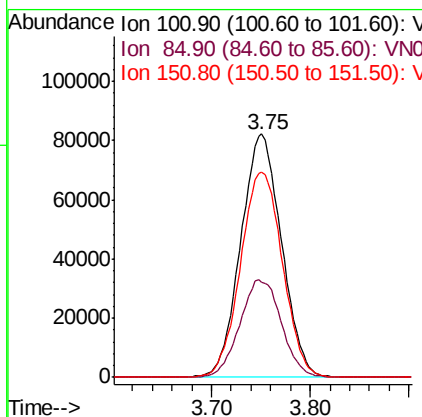
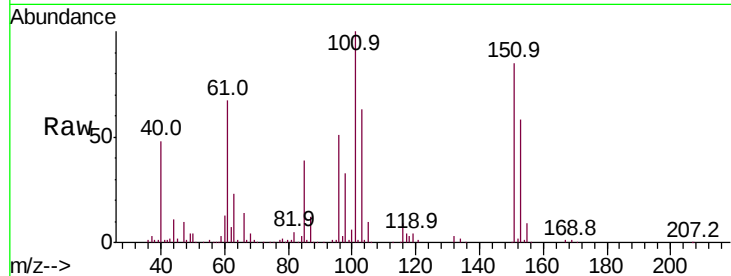
ClientSampleId :

VN0318WBSD02

Tot Ion:	101	Resp:	234531
Ion Ratio	Lower	Upper	
101	100		
85	41.0	32.4	48.6
151	87.0	68.2	102.2

Manual Integrations
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#10

Methyl Iodide

Concen: 19.568 ug/l

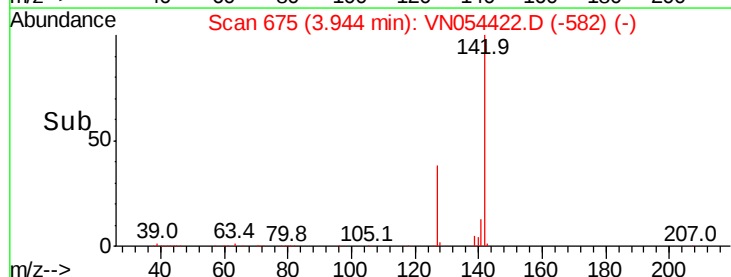
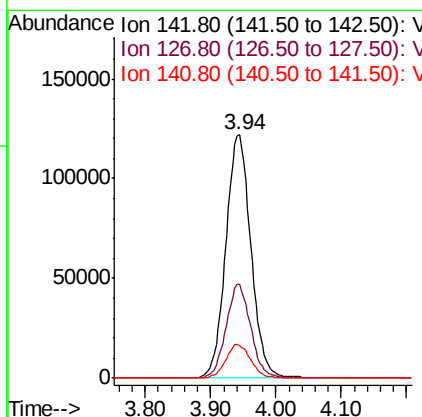
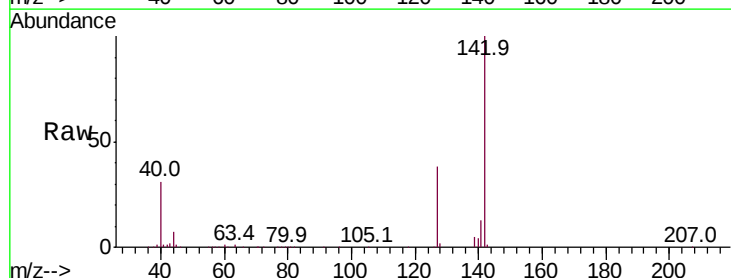
RT: 3.94 min Scan# 675

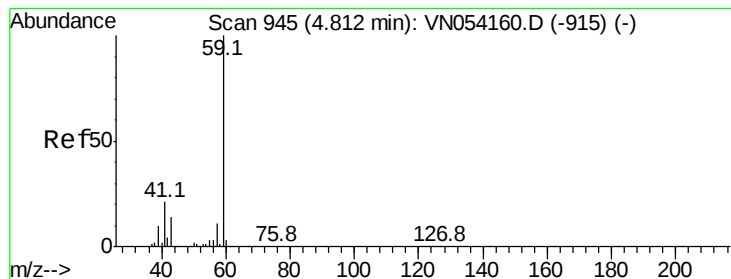
Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Tgt Ion:	142	Resp:	325087
Ion Ratio	Lower	Upper	
142	100		
127	37.7	30.3	45.5
141	13.8	11.2	16.8





#11

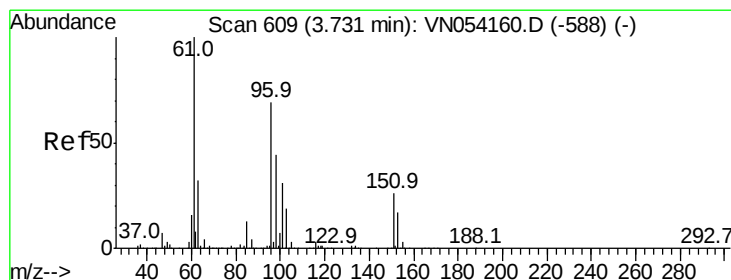
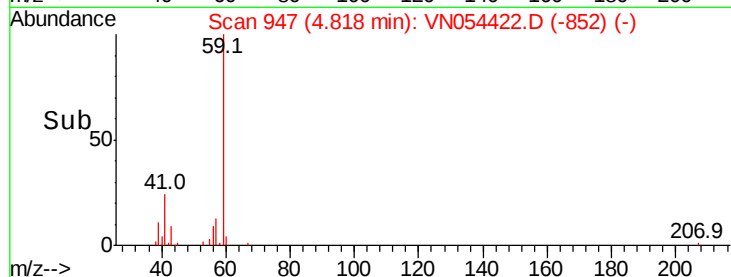
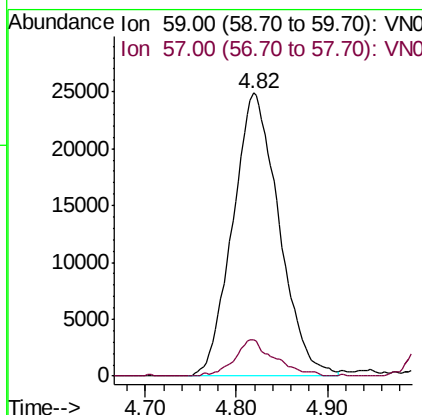
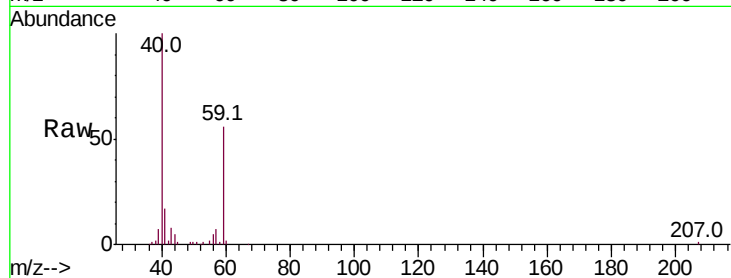
Tert butyl alcohol
Concen: 103.061 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.01 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion	59	Resp	87949
Ion Ratio	100	Lower	Upper
57	10.9	9.0	13.6

Manual Integrations
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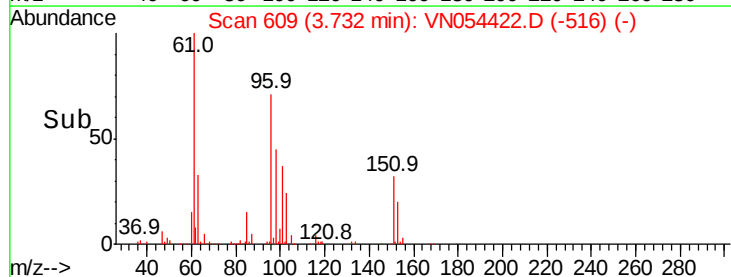
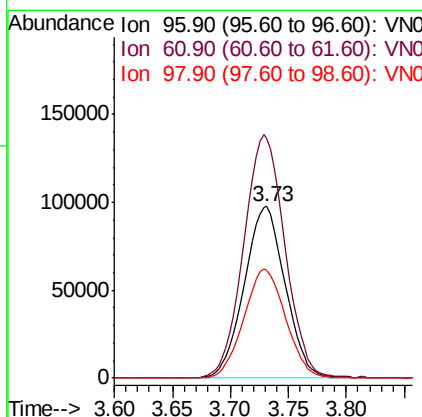
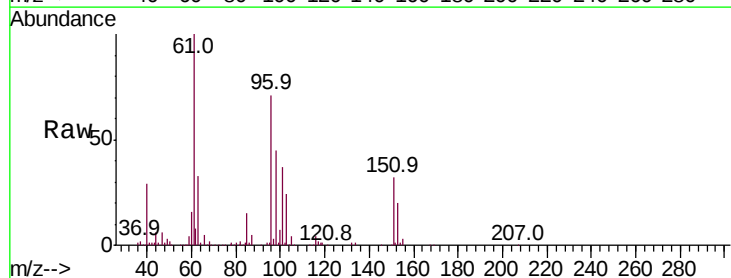
MMDadoda
3/19/2019 9:23:01 AM

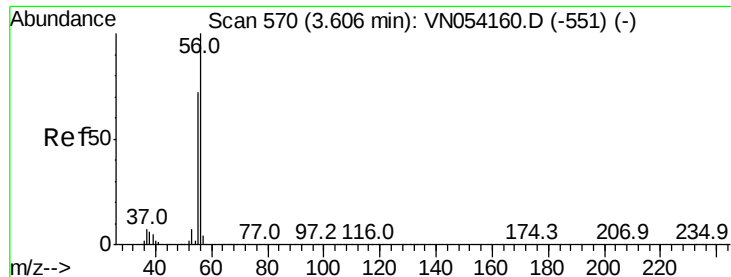


#12

1,1-Dichloroethene
Concen: 19.741 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Tgt Ion	96	Resp	240391
Ion Ratio	100	Lower	Upper
61	140.1	116.5	174.7
98	62.8	51.0	76.4





#13

Acrolein

Concen: 59.735 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion: 56 Resp: 48304

Ion Ratio Lower Upper

56 100

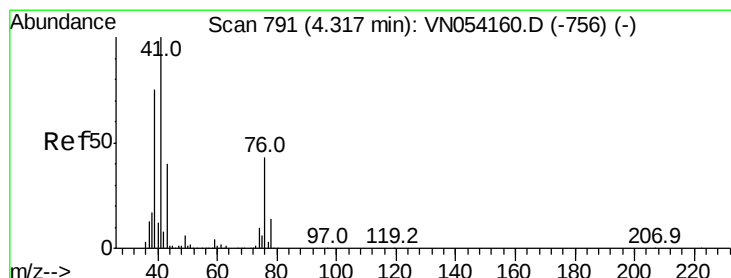
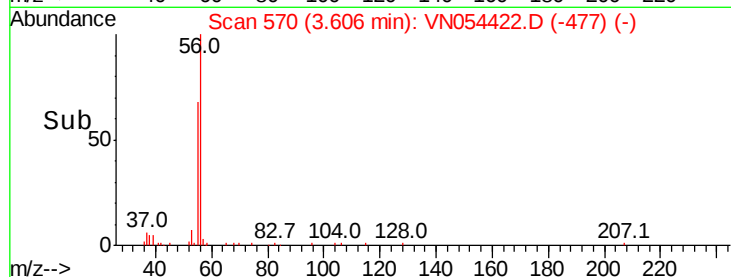
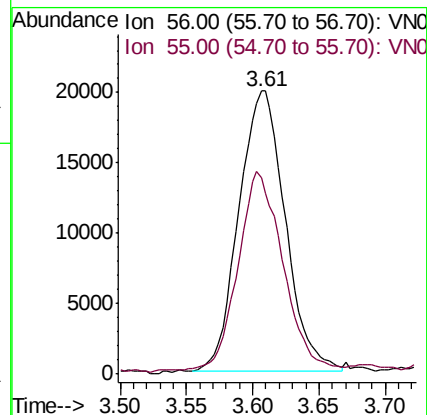
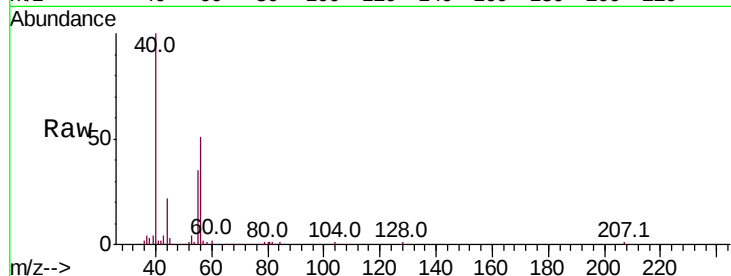
55 68.1 56.7 85.1

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 19.977 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

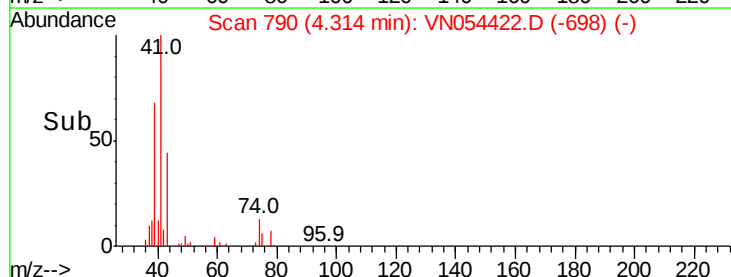
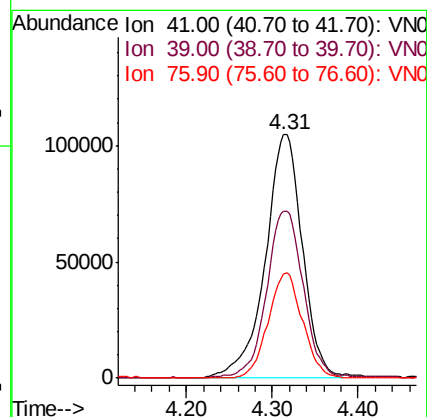
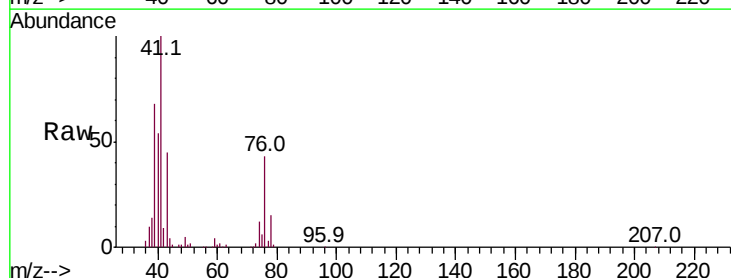
Tgt Ion: 41 Resp: 312118

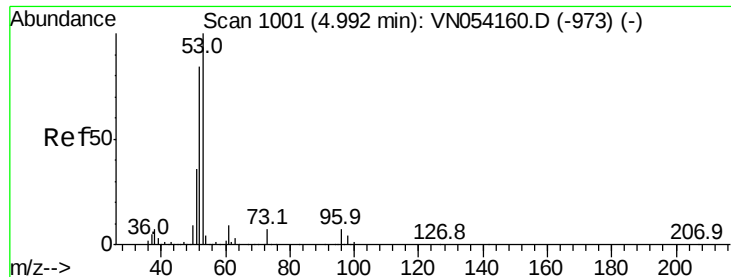
Ion Ratio Lower Upper

41 100

39 67.9 58.2 87.4

76 40.4 31.7 47.5





#15

Acrylonitrile

Concen: 124.842 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

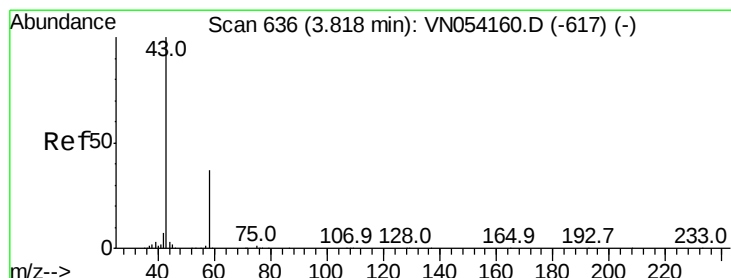
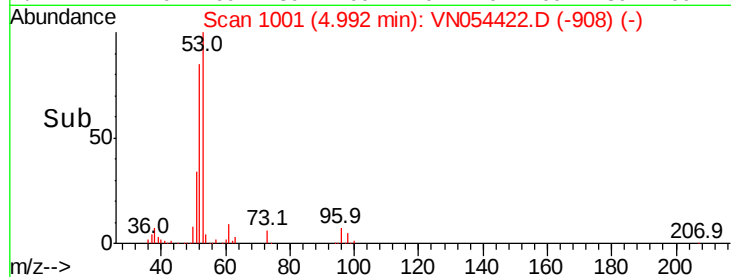
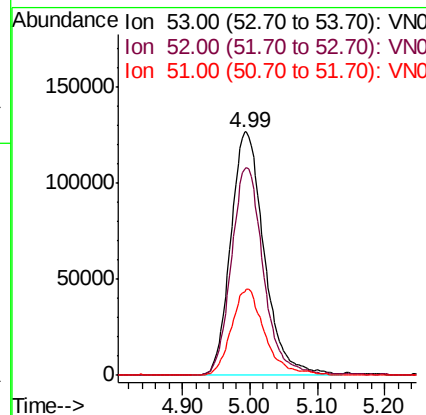
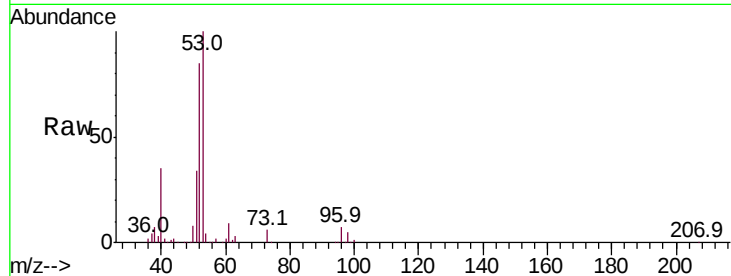
ClientSampleId :

VN0318WBSD02

Tot Ion:	53	Resp:	437618
Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.4	99.6
51	35.5	29.6	44.4

Manual Integrations
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3/19/2019 9:23:01 AM



#16

Acetone

Concen: 76.837 ug/l

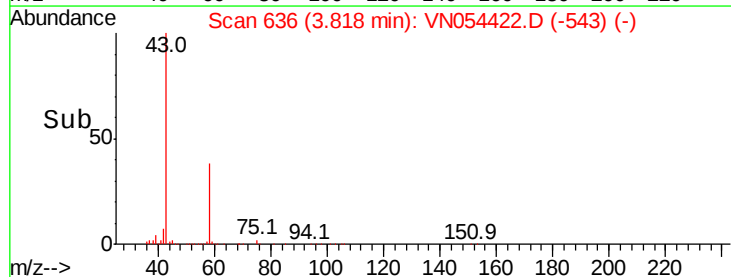
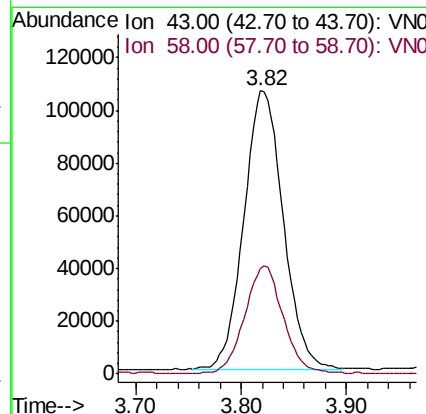
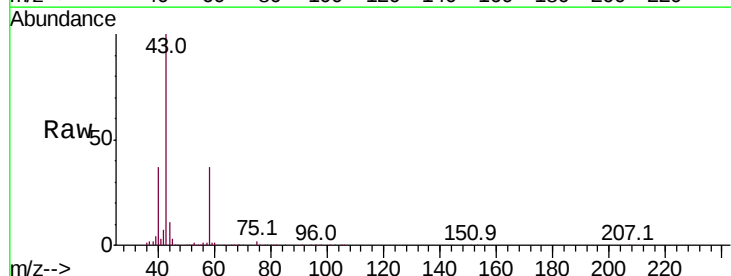
RT: 3.82 min Scan# 636

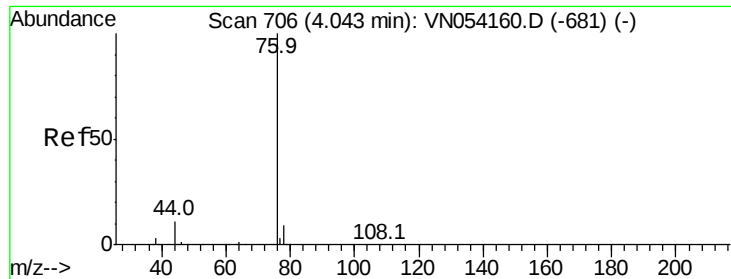
Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Tgt Ion:	43	Resp:	273860
Ion	Ratio	Lower	Upper
43	100		
58	37.5	29.9	44.9





#17

Carbon Disulfide

Concen: 16.184 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion: 76 Resp: 494027

Ion Ratio Lower Upper

76 100

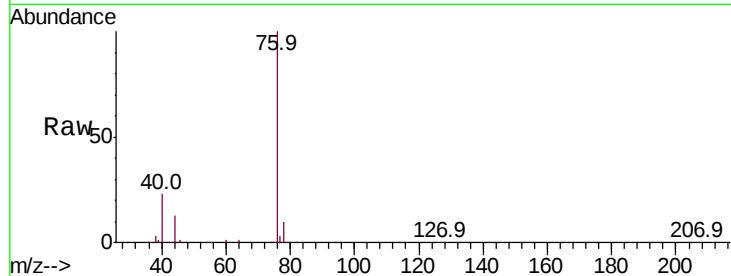
78 9.6 7.5 11.3

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

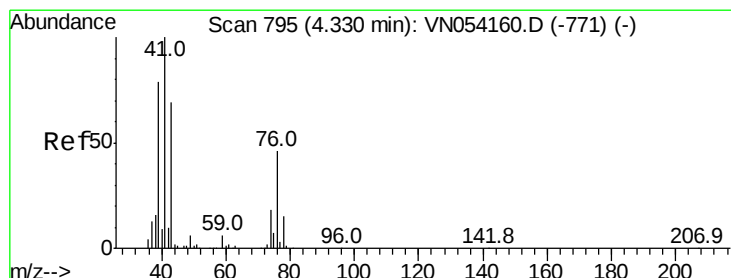
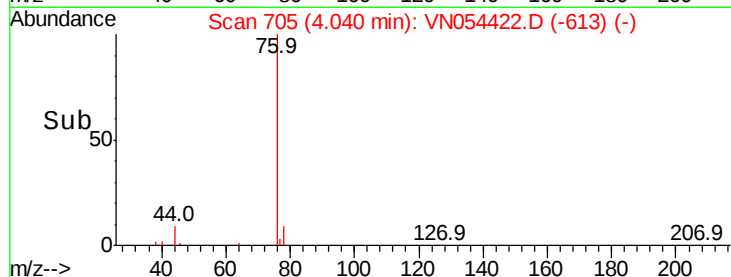
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 28.042 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054422.D

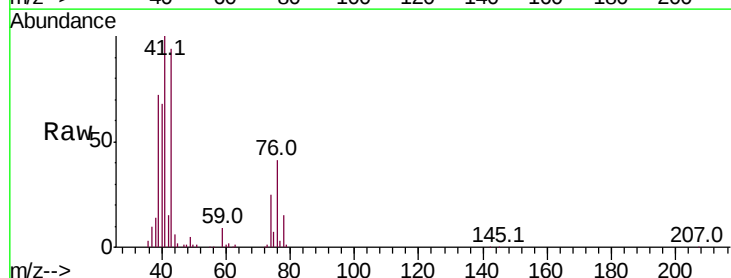
Acq: 19 Mar 2019 5:02

Tgt Ion: 43 Resp: 202205

Ion Ratio Lower Upper

43 100

74 27.6 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

80000

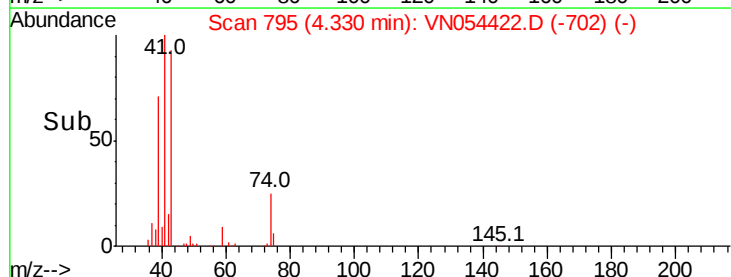
60000

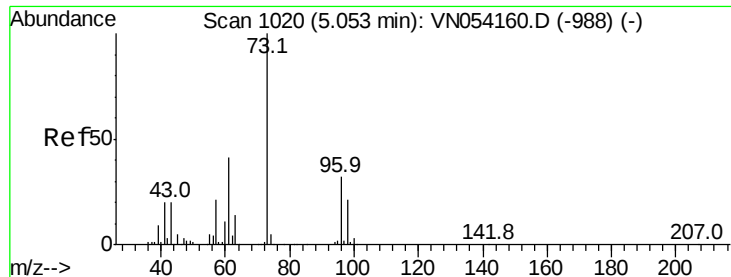
40000

20000

0

Time-->





#19

Methyl tert-butyl Ether

Concen: 23.428 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion: 73 Resp: 707148

Ion Ratio Lower Upper

73 100

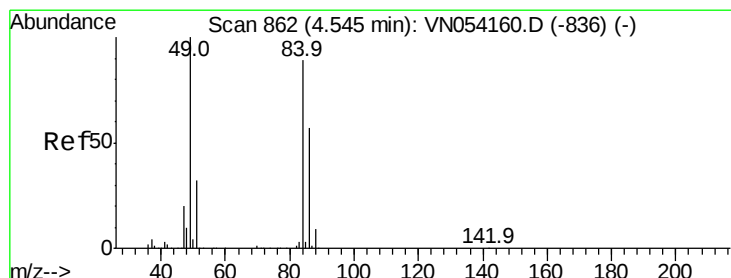
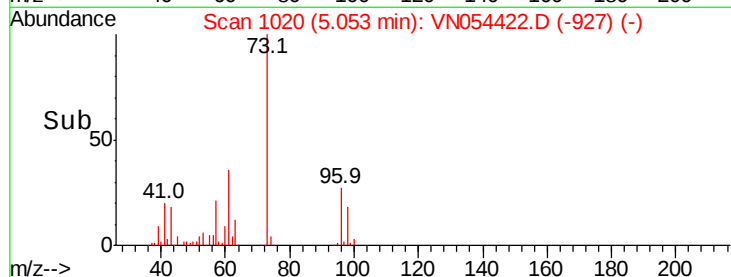
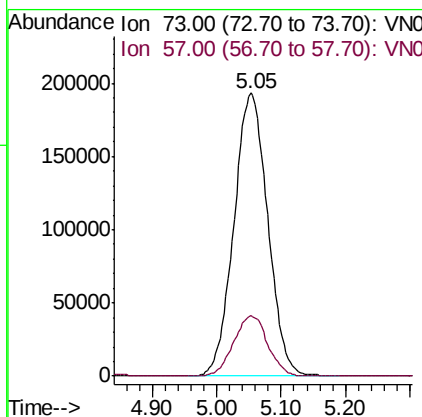
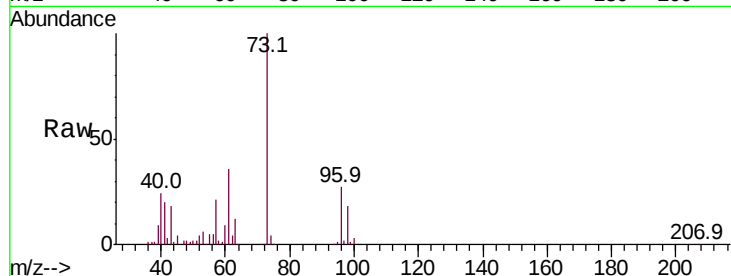
57 21.3 16.8 25.2

Manual Integrations

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3/19/2019 9:23:01 AM



#20

Methylene Chloride

Concen: 22.812 ug/l

RT: 4.55 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Tgt Ion: 84 Resp: 266975

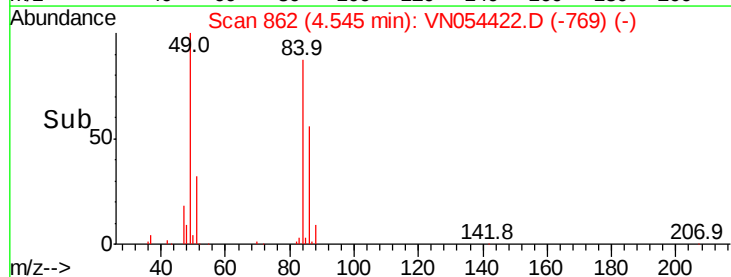
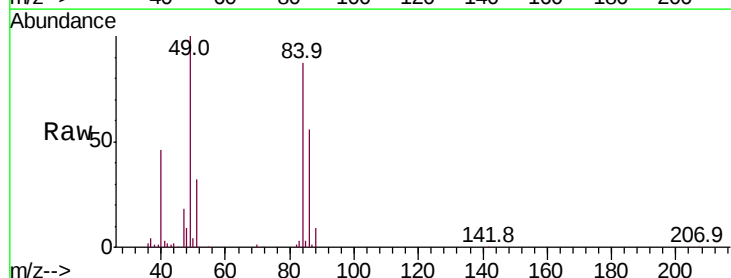
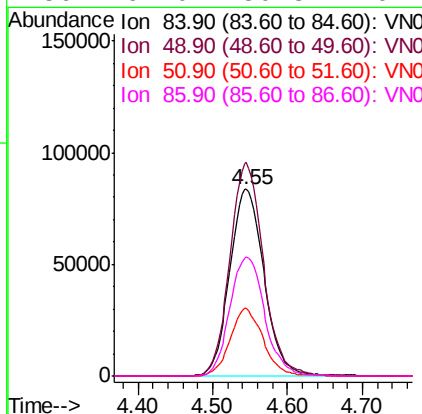
Ion Ratio Lower Upper

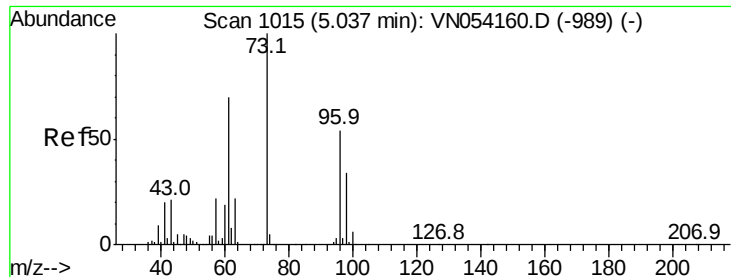
84 100

49 114.3 89.7 134.5

51 36.6 28.2 42.4

86 64.0 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 21.804 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

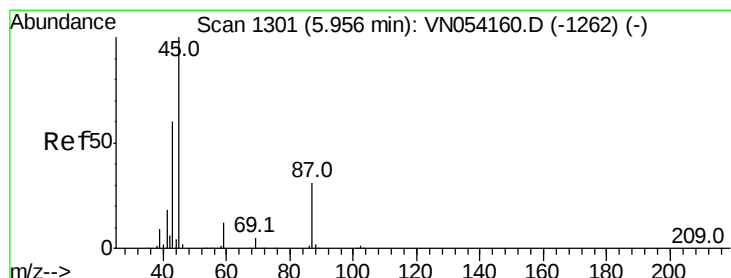
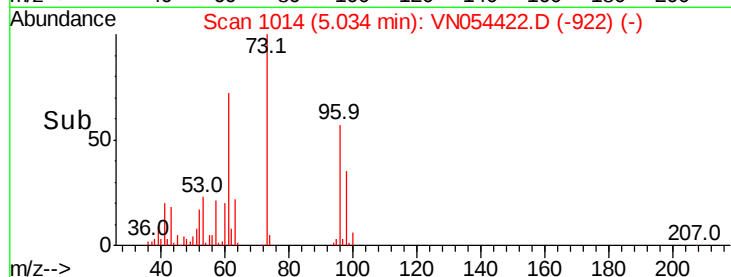
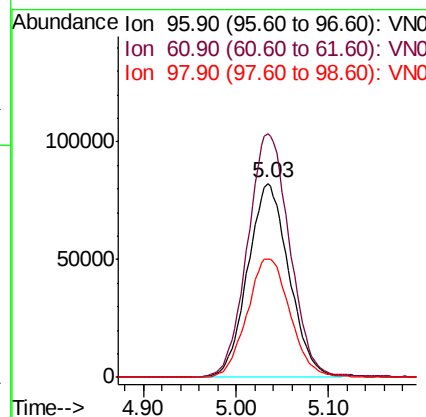
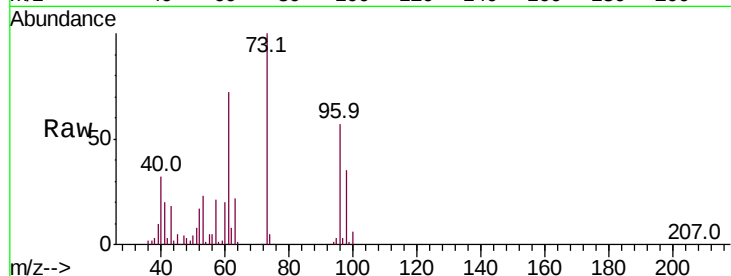
ClientSampleId :

VN0318WBSD02

Tot Ion:	96	Resp:	254393
Ion	Ratio	Lower	Upper
96	100		
61	125.5	102.8	154.2
98	61.2	50.0	75.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 23.535 ug/l

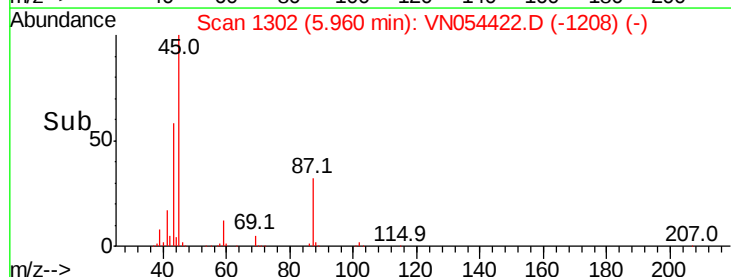
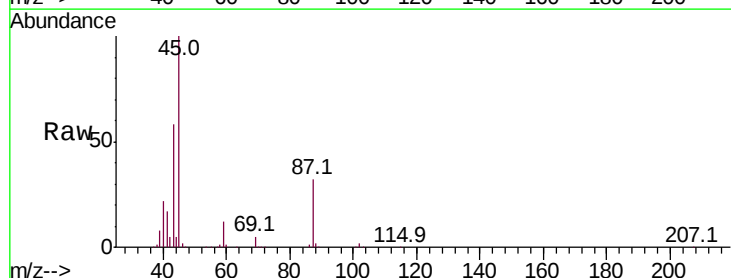
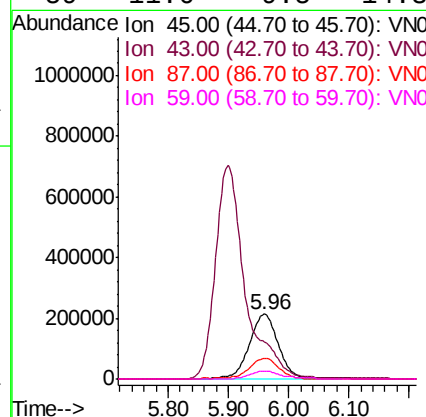
RT: 5.96 min Scan# 1302

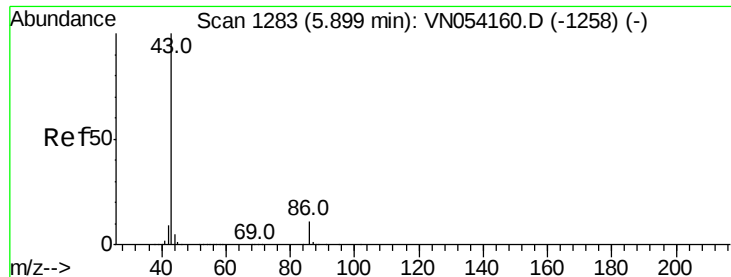
Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Tgt Ion:	45	Resp:	733866
Ion	Ratio	Lower	Upper
45	100		
43	55.9	48.2	72.2
87	31.4	24.9	37.3
59	11.6	9.5	14.3





#23

Vinyl Acetate

Concen: 104.867 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion: 43 Resp: 2410977

Ion Ratio Lower Upper

43 100

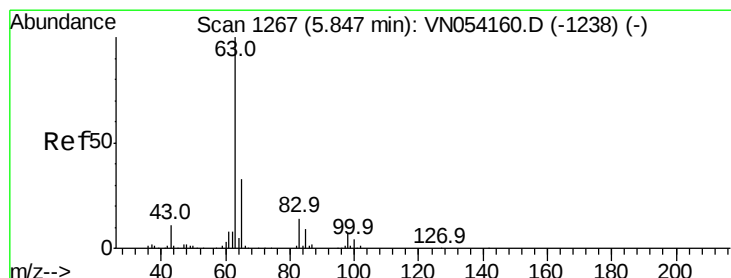
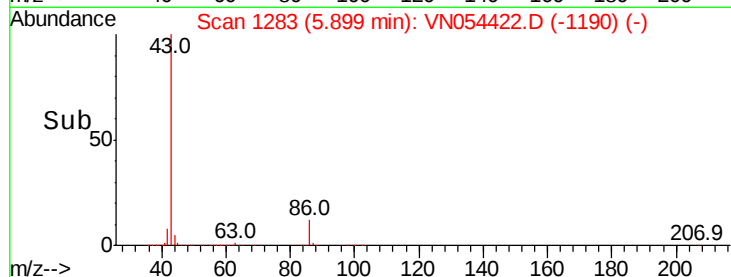
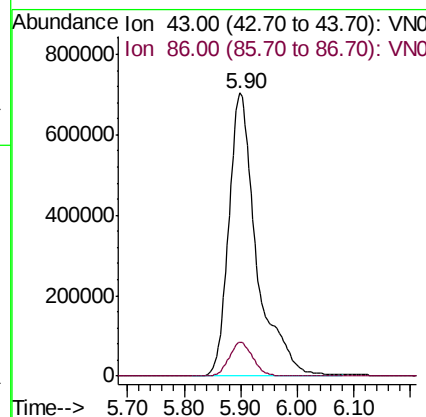
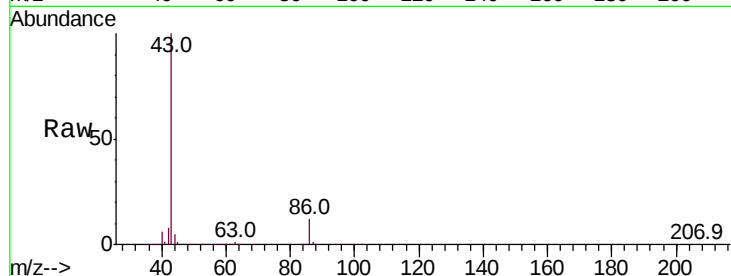
86 11.9 9.1 13.7

Manual Integrations

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MMDadoda

3/19/2019 9:23:01 AM



#24

1,1-Dichloroethane

Concen: 23.207 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

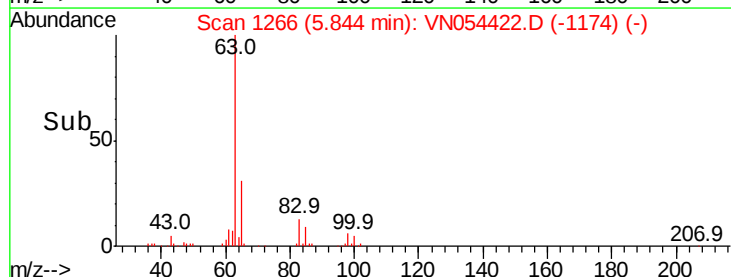
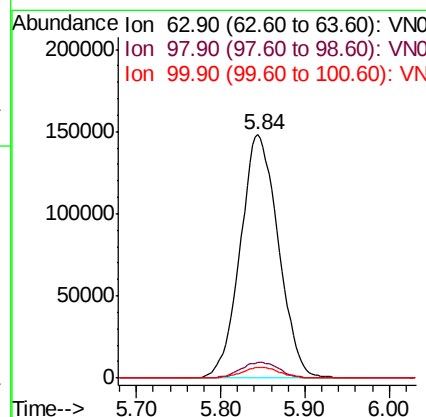
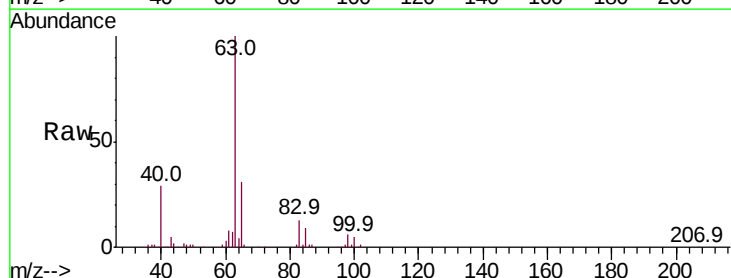
Tgt Ion: 63 Resp: 464631

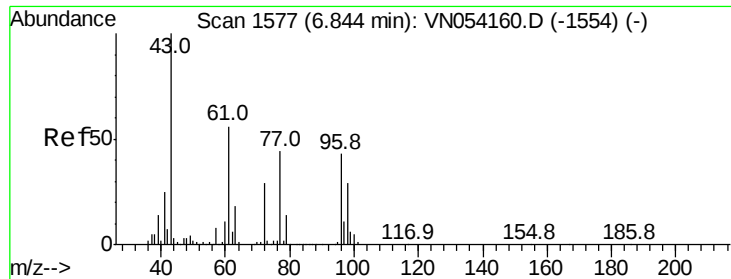
Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.5

100 4.6 2.0 6.0





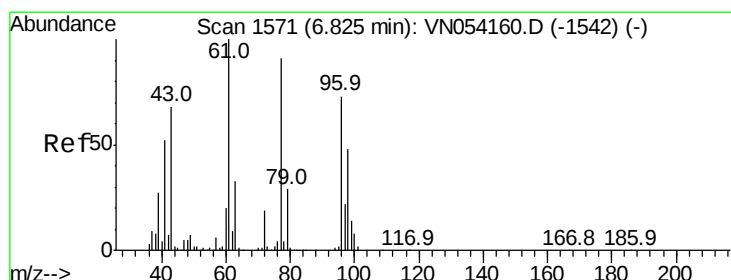
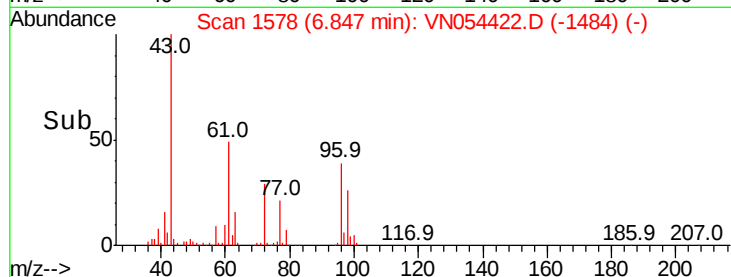
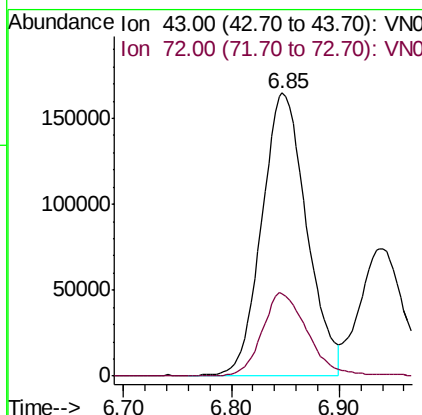
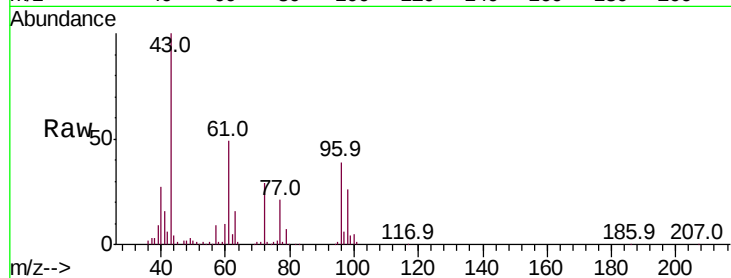
#25
2-Butanone
Concen: 113.061 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion: 43 Resp: 472961
Ion Ratio Lower Upper
43 100
72 29.3 23.0 34.6

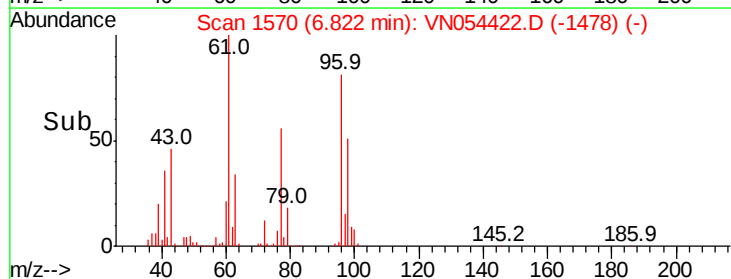
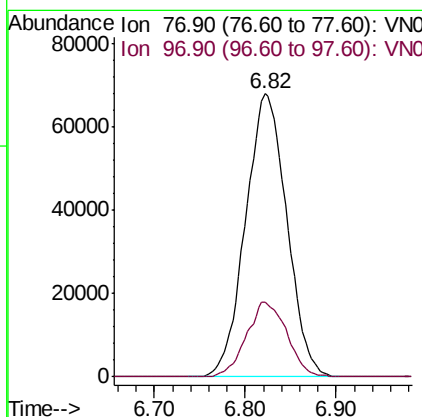
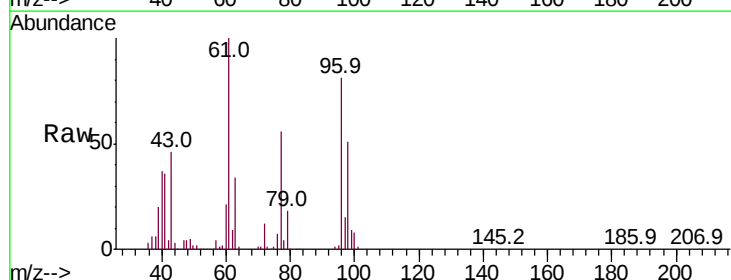
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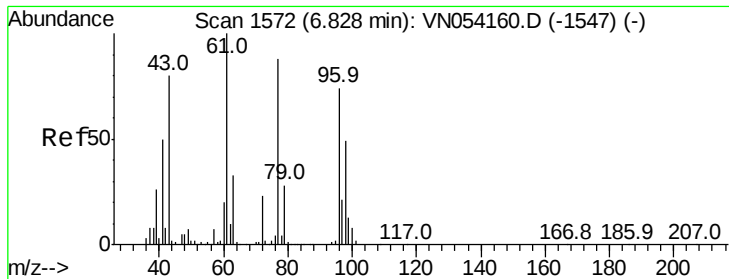
MMDadoda
3/19/2019 9:23:01 AM



#26
2,2-Dichloropropane
Concen: 12.131 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Tgt Ion: 77 Resp: 213596
Ion Ratio Lower Upper
77 100
97 25.9 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 23.179 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054422.D

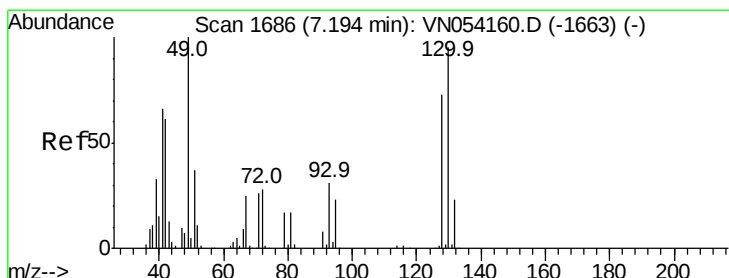
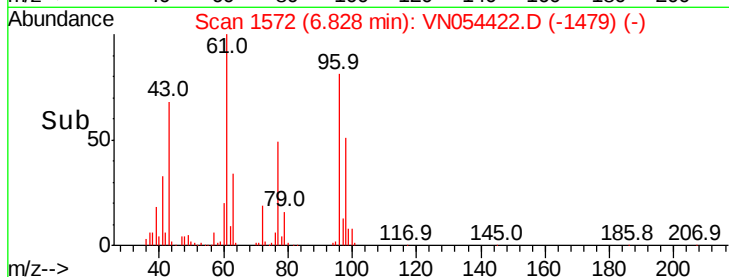
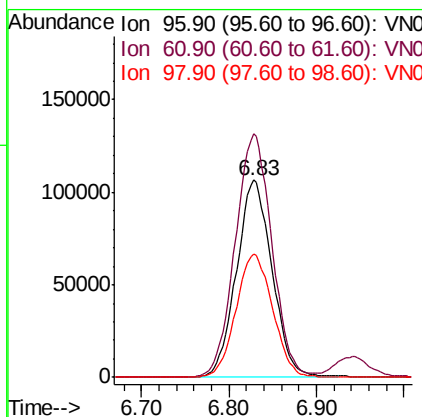
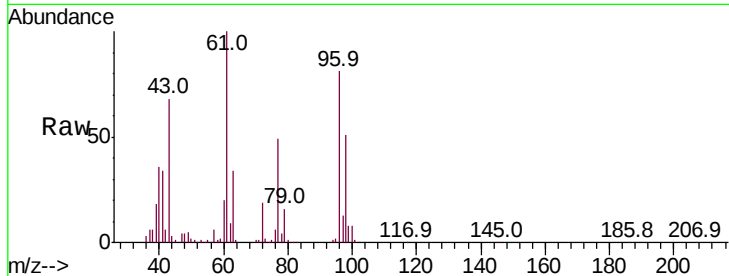
Acq: 19 Mar 2019 5:02

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	301699		
61	126.9	0.0	273.0	
98	64.3	0.0	130.6	

Manual Integrations
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#28

Bromochloromethane

Concen: 21.017 ug/l

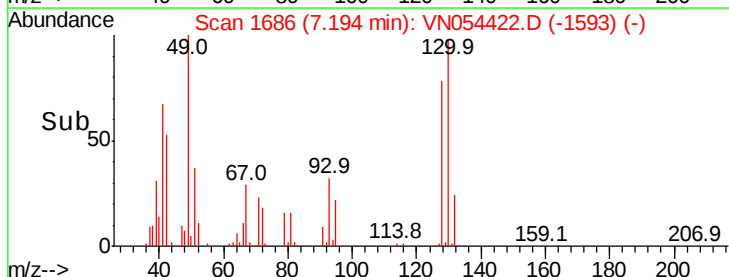
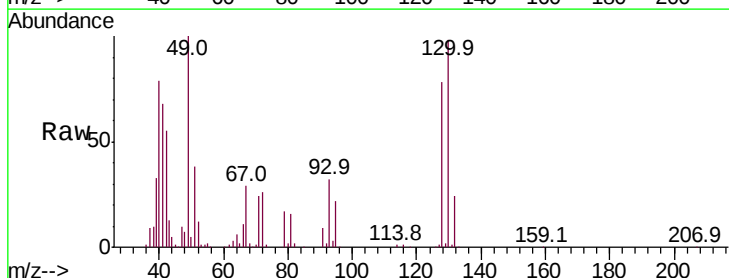
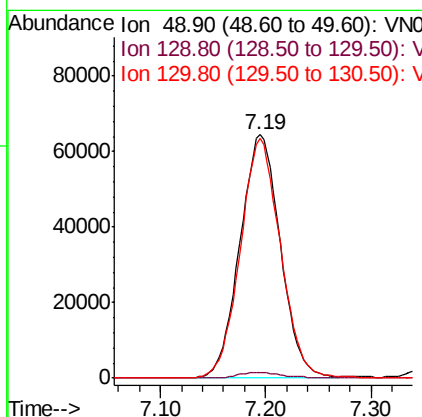
RT: 7.19 min Scan# 1686

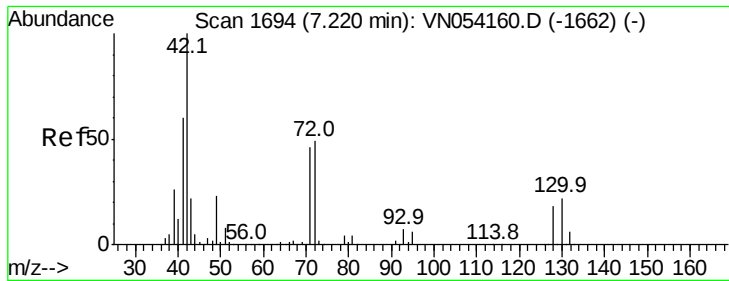
Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	172026		
129	2.4	0.0	4.6	
130	97.7	76.7	115.1	





#29

Tetrahydrofuran

Concen: 118.346 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

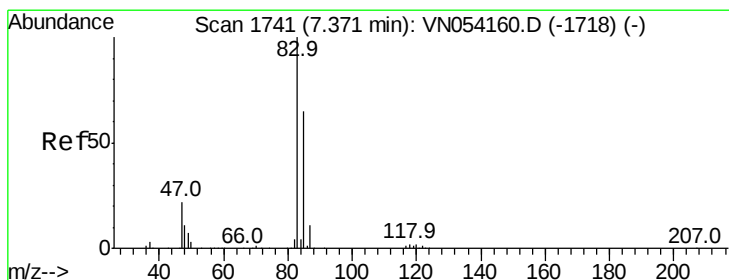
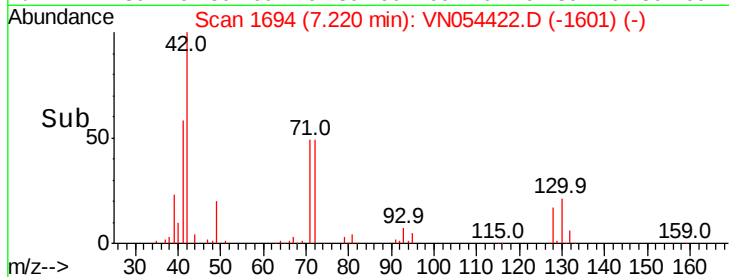
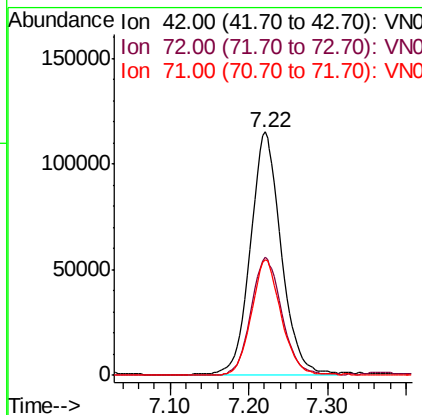
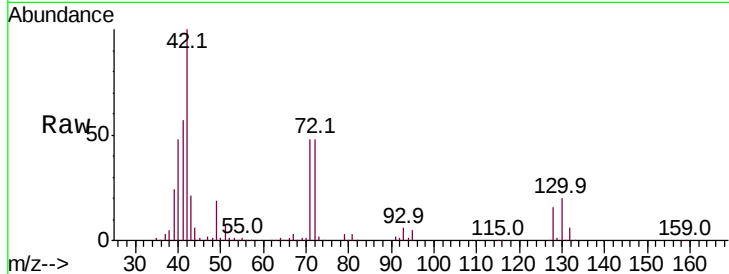
ClientSampleId :

VN0318WBSD02

Tot Ion:	42	Resp:	318311
Ion Ratio	Lower	Upper	
42	100		
72	49.3	37.8	56.6
71	46.4	36.2	54.2

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#30

Chloroform

Concen: 22.917 ug/l

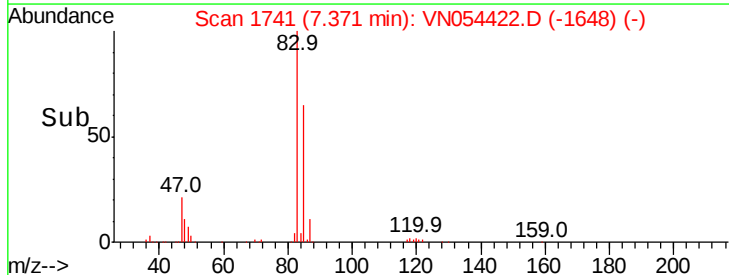
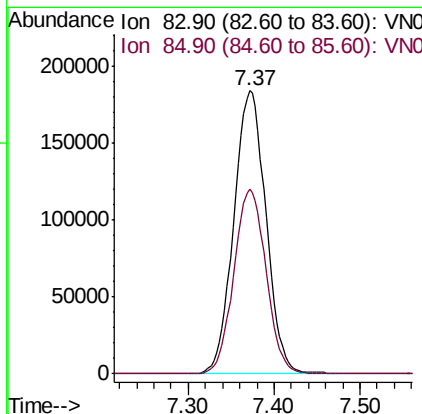
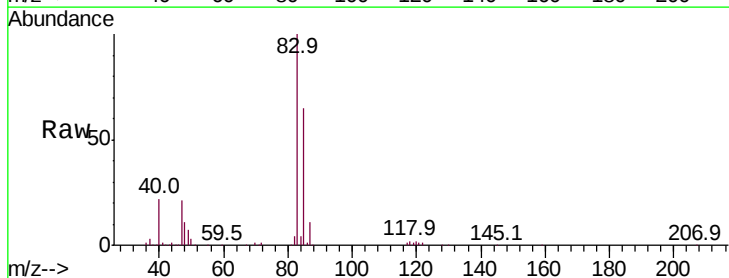
RT: 7.37 min Scan# 1741

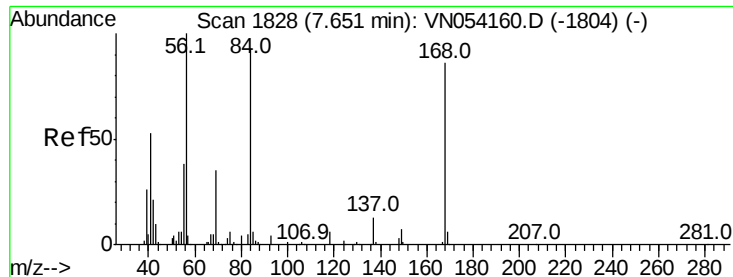
Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Tgt Ion:	83	Resp:	478779
Ion Ratio	Lower	Upper	
83	100		
85	65.1	52.2	78.4





#31

Cyclohexane

Concen: 20.490 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion: 56 Resp: 397106

Ion Ratio Lower Upper

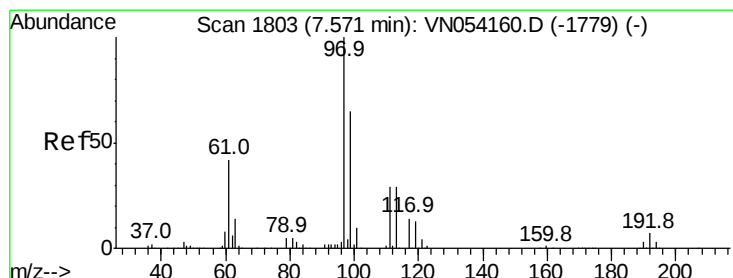
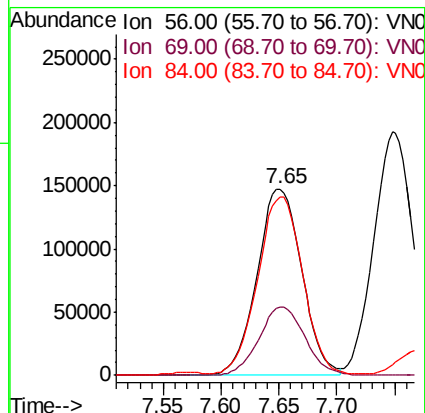
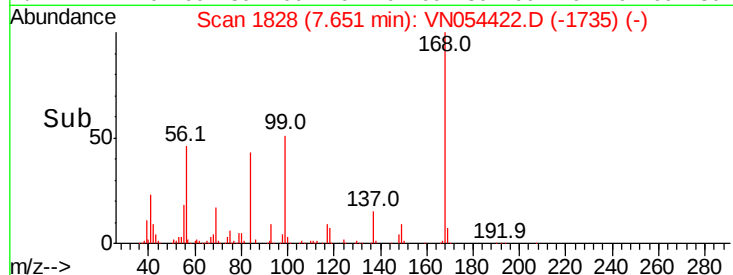
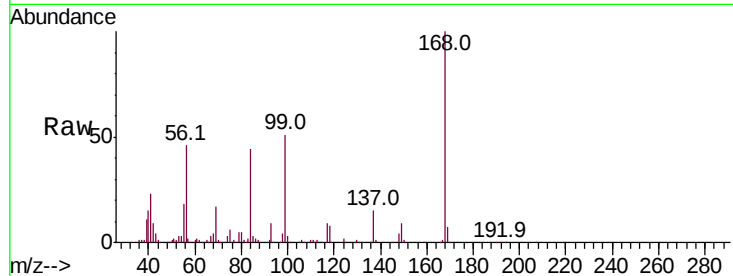
56 100

69 36.4 27.8 41.6

84 93.9 74.6 111.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.517 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

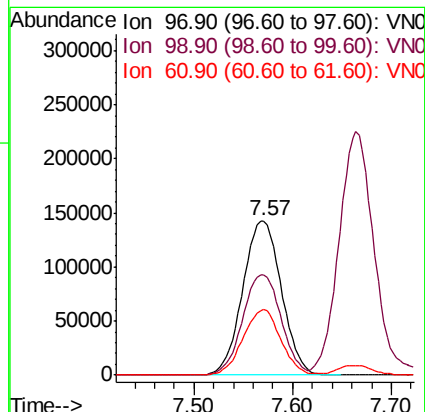
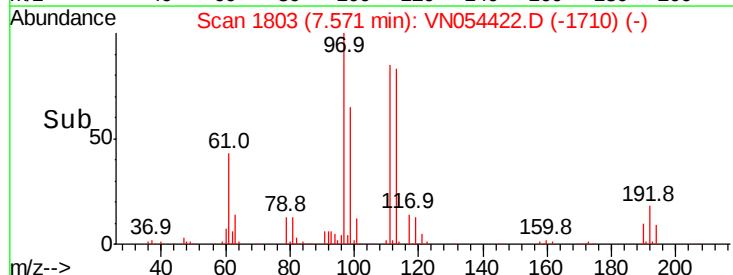
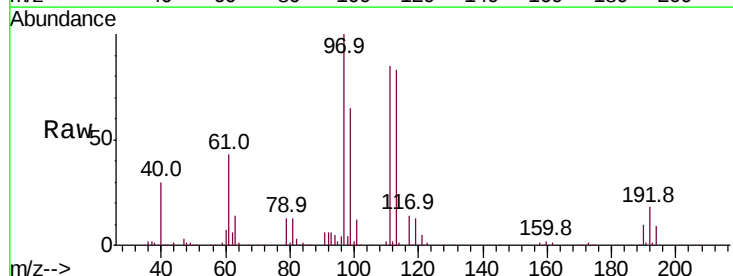
Tgt Ion: 97 Resp: 387133

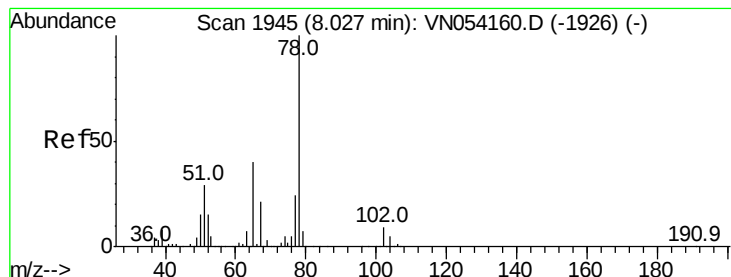
Ion Ratio Lower Upper

97 100

99 64.8 51.5 77.3

61 41.5 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 51.793 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion: 65 Resp: 644719

Ion Ratio Lower Upper

65 100

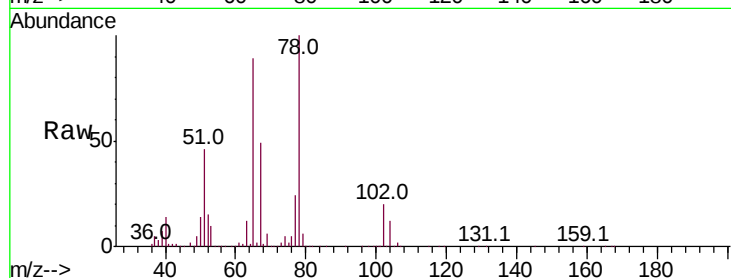
67 54.2 0.0 104.6

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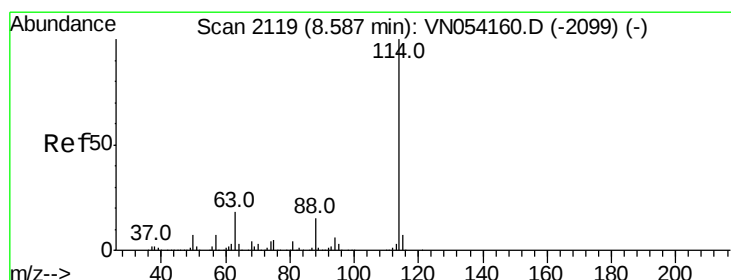
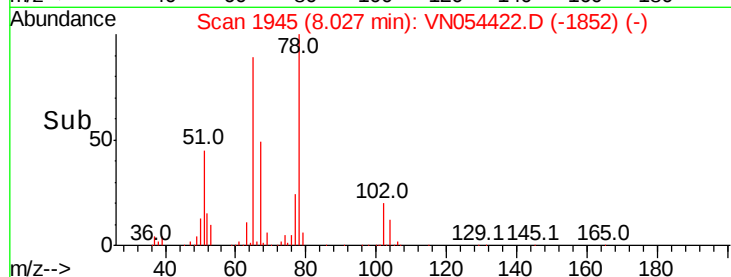
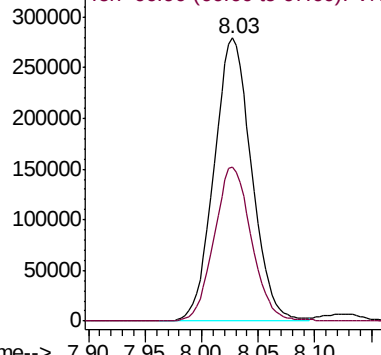
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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

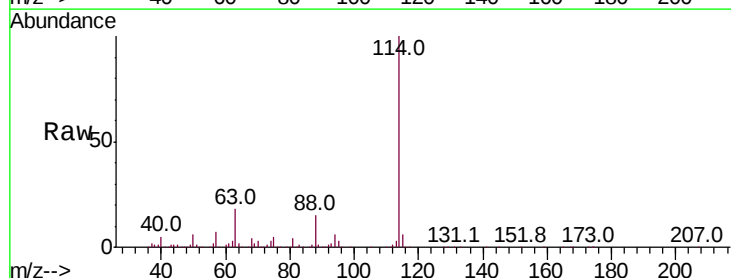
Tgt Ion: 114 Resp: 1900606

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.2

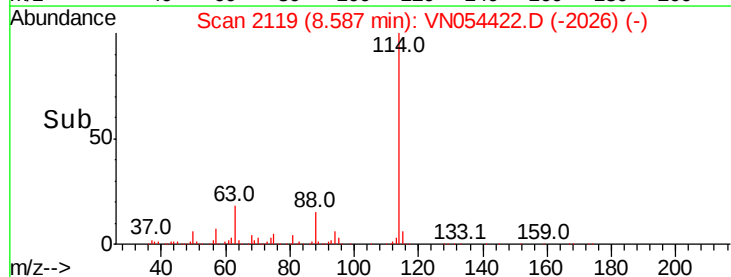
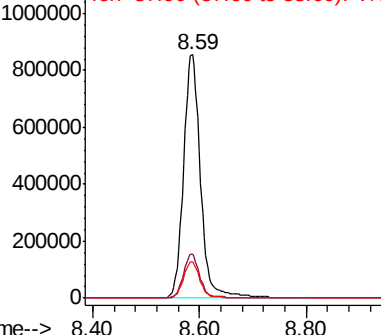
88 14.7 0.0 30.2

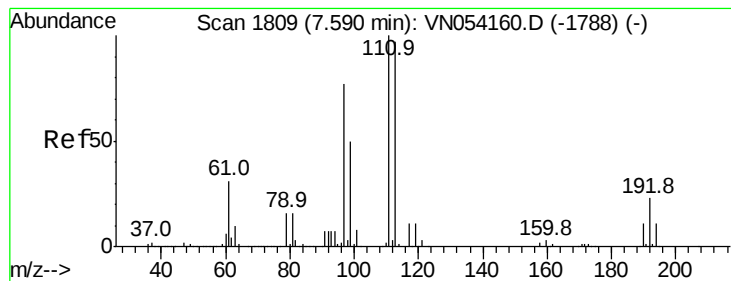


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 50.612 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

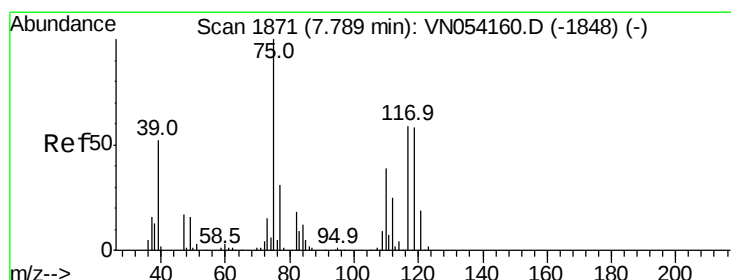
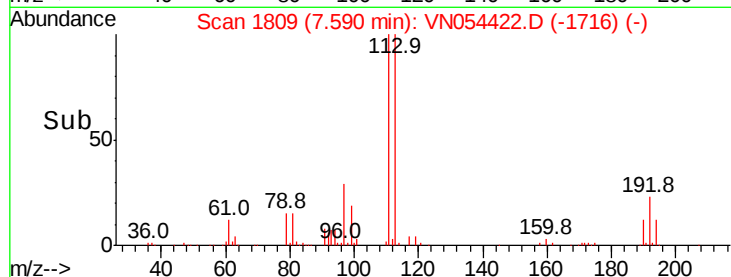
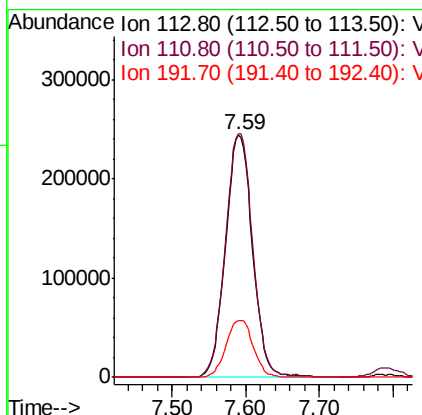
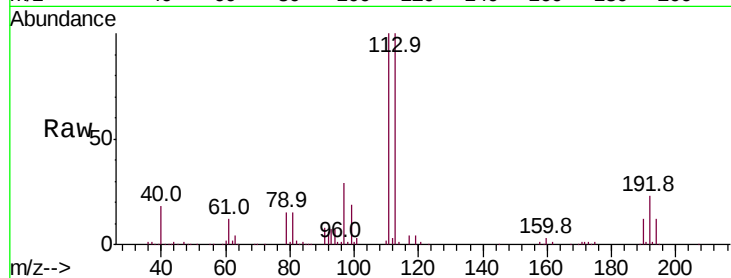
ClientSampleId :

VN0318WBSD02

Tot Ion:	113	Resp:	620412
Ion Ratio	Lower	Upper	
113	100		
111	101.7	82.2	123.4
192	23.9	19.2	28.8

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#36

1,1-Dichloropropene

Concen: 19.237 ug/l

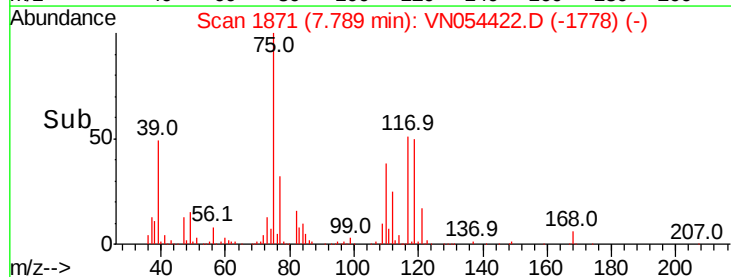
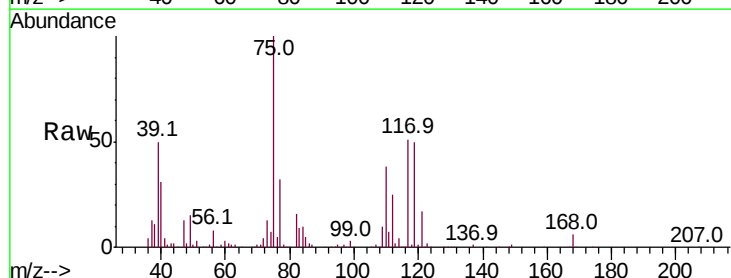
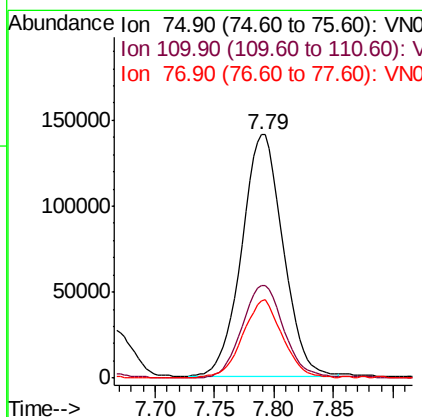
RT: 7.79 min Scan# 1871

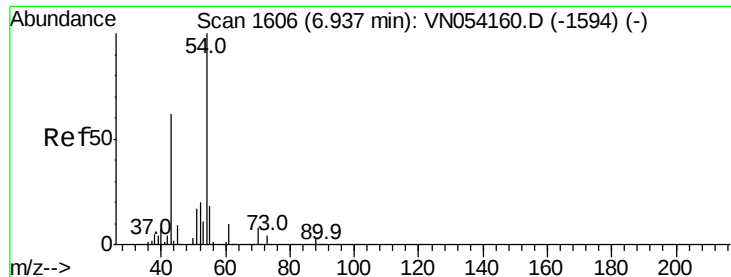
Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Tgt Ion:	75	Resp:	336713
Ion Ratio	Lower	Upper	
75	100		
110	39.3	19.1	57.5
77	31.2	25.0	37.4





#37

Ethyl Acetate

Concen: 18.483 ug/l

RT: 6.94 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

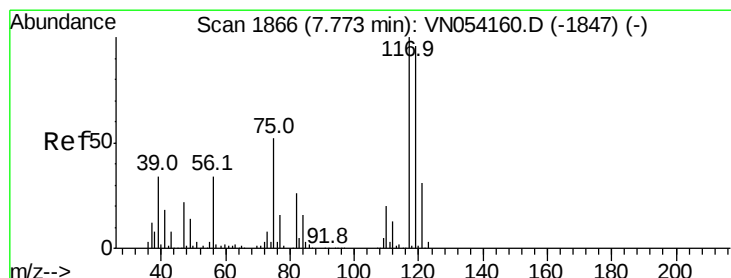
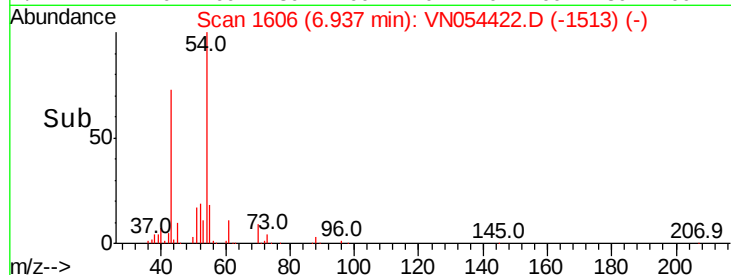
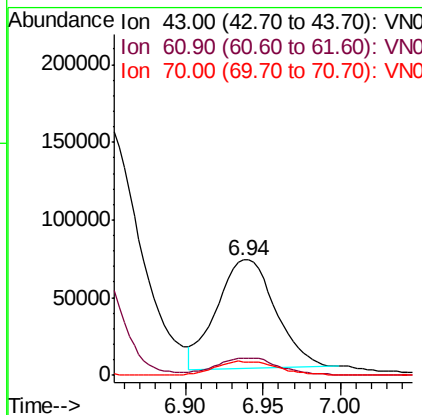
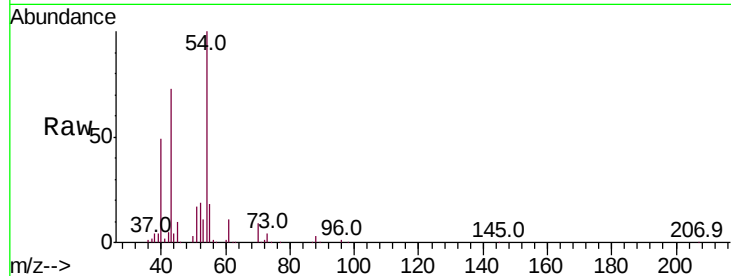
ClientSampleId :

VN0318WBSD02

Tot Ion:	43	Resp:	185879
Ion Ratio	Lower	Upper	
43	100		
61	16.9	11.8	17.6
70	13.8	8.4	12.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 18.205 ug/l

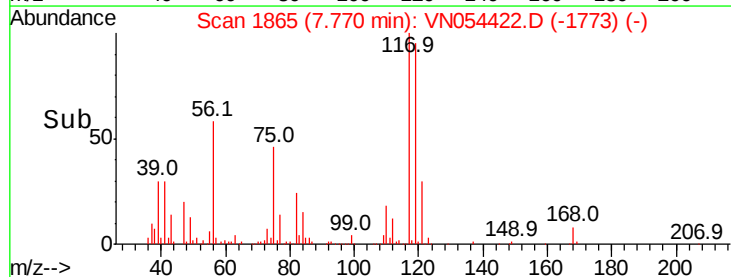
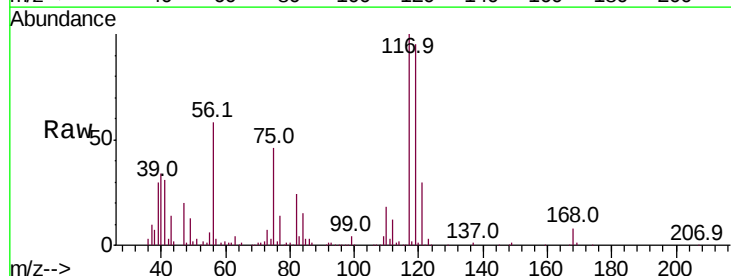
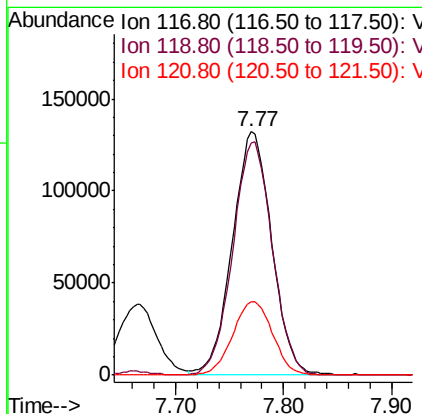
RT: 7.77 min Scan# 1865

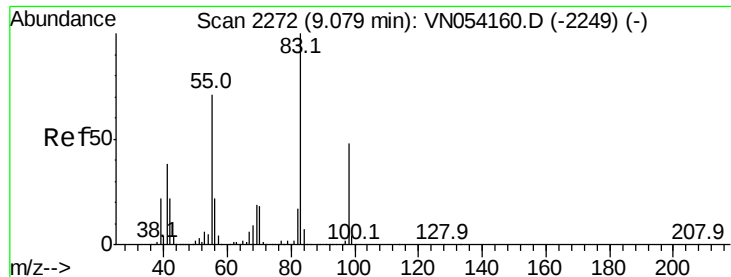
Delta R.T. -0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Tgt Ion:	117	Resp:	334158
Ion Ratio	Lower	Upper	
117	100		
119	95.3	76.3	114.5
121	30.4	24.6	36.8





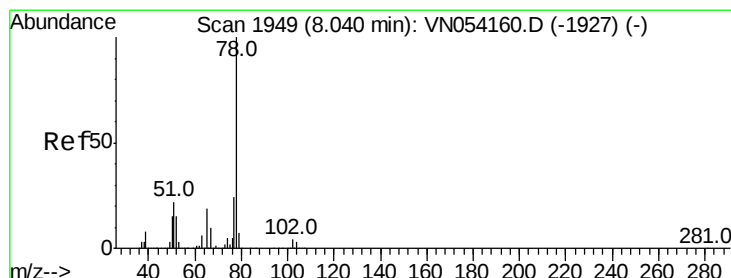
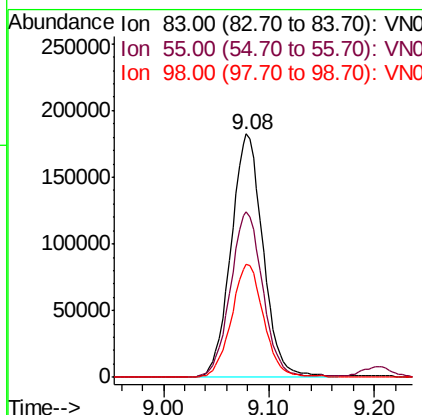
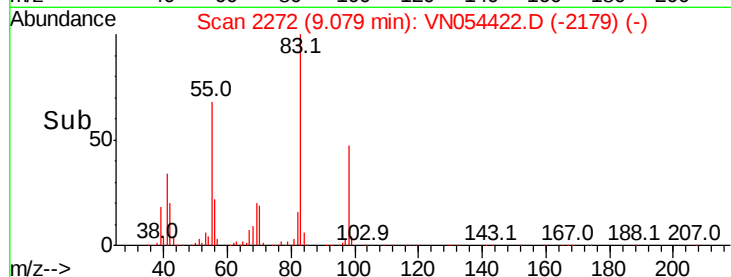
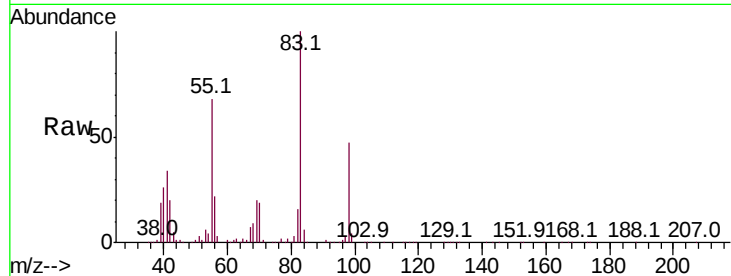
#39
Methvlcvclohexane
Concen: 17.755 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.0	56.6	84.8
98	46.6	38.4	57.6

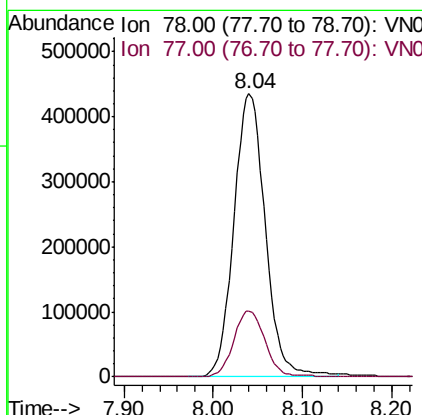
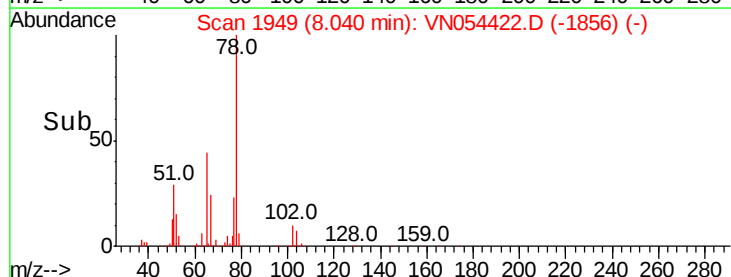
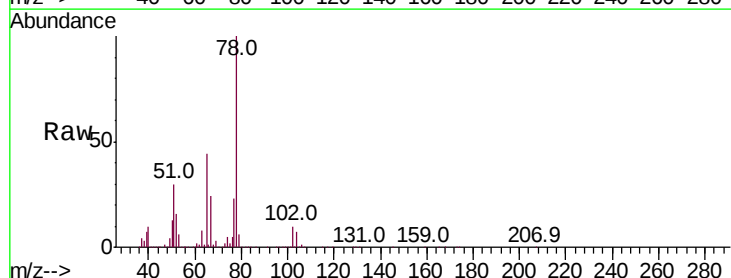
Manual Integrations
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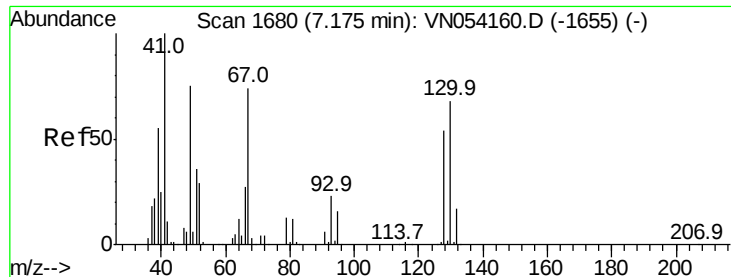
MMDadoda
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#40
Benzene
Concen: 21.301 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7





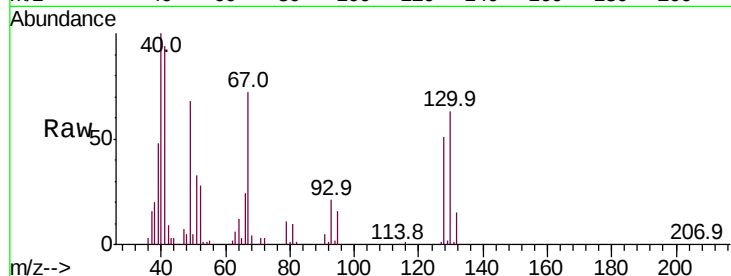
#41
Methacrylonitrile
Concen: 21.429 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

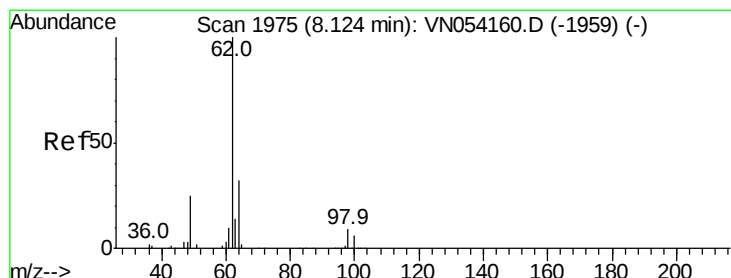
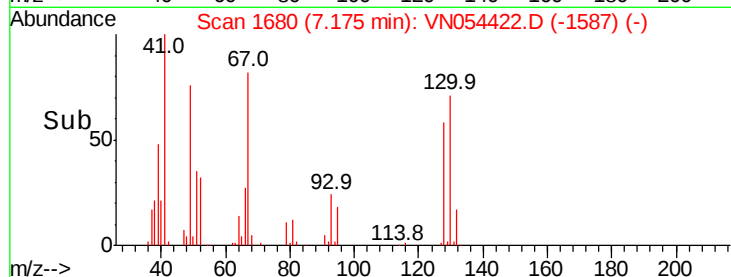
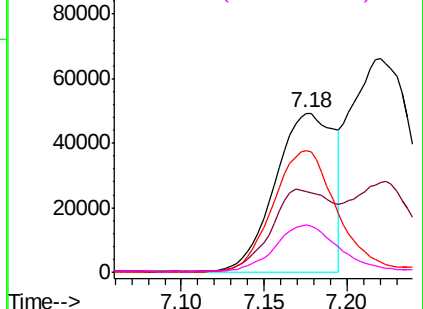
Tot Ion	Ratio	Lower	Upper
41	100		
39	52.1	46.8	70.2
67	83.9	67.0	100.4
52	31.8	26.5	39.7

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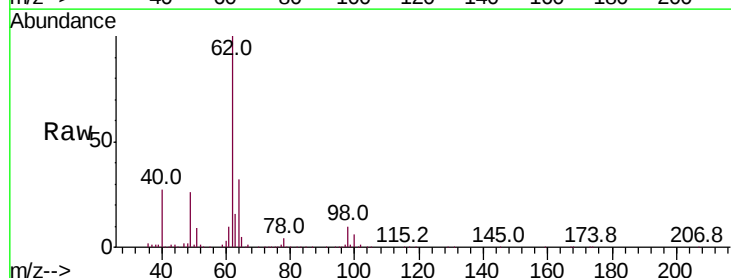


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

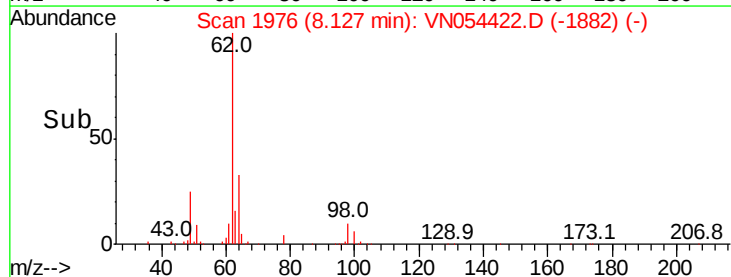
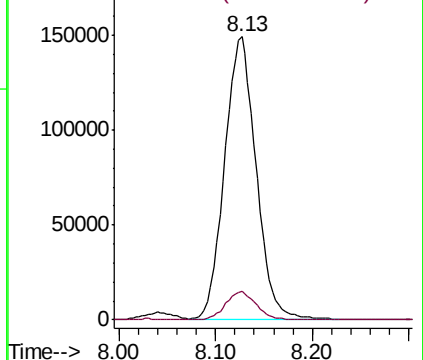


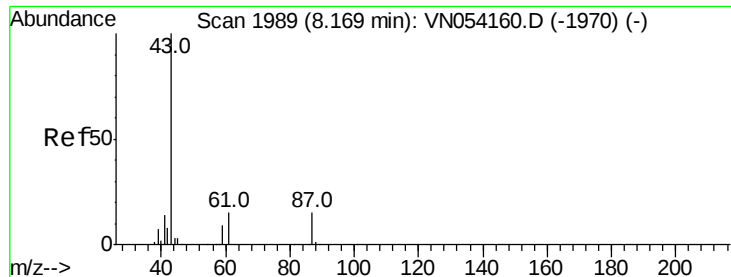
#42
1,2-Dichloroethane
Concen: 19.909 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 19.311 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

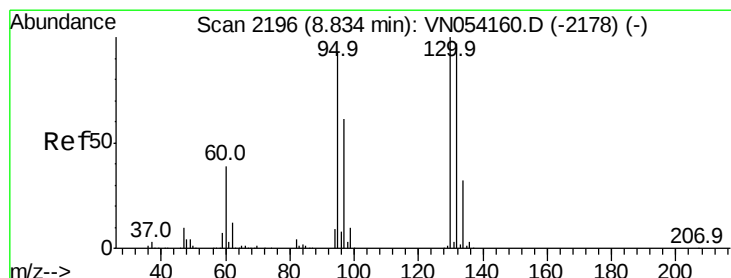
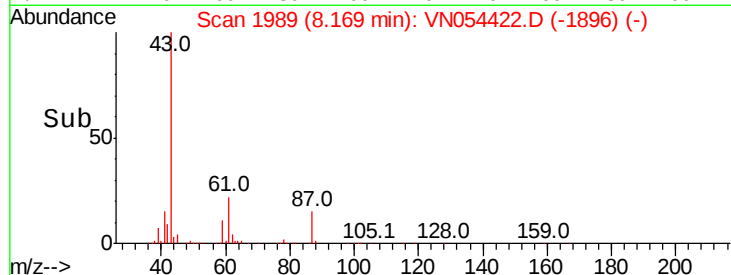
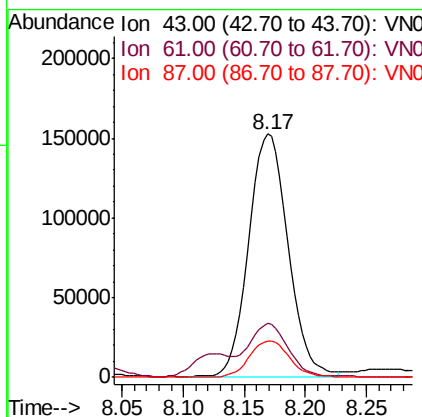
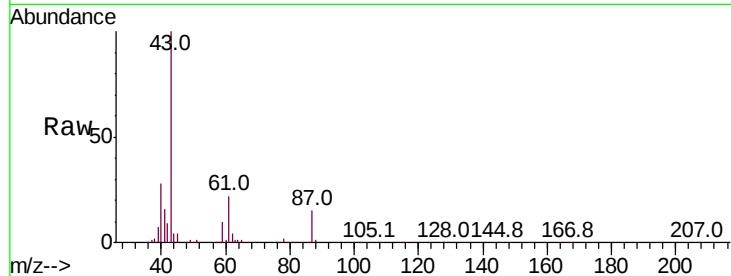
ClientSampleId :

VN0318WBSD02

Tot Ion:	43	Resp:	340893
Ion Ratio	Lower	Upper	
43	100		
61	21.7	15.8	23.8
87	15.5	12.0	18.0

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#44

Trichloroethene

Concen: 20.261 ug/l

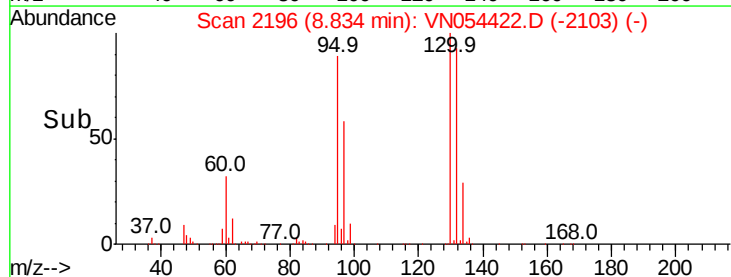
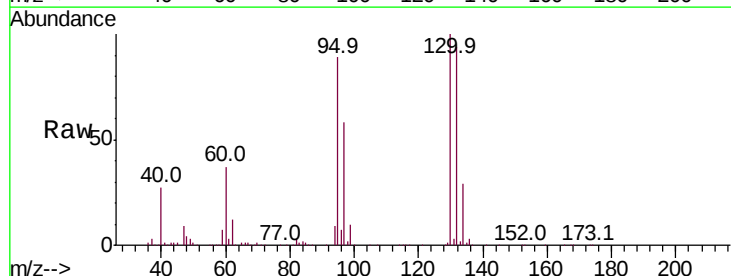
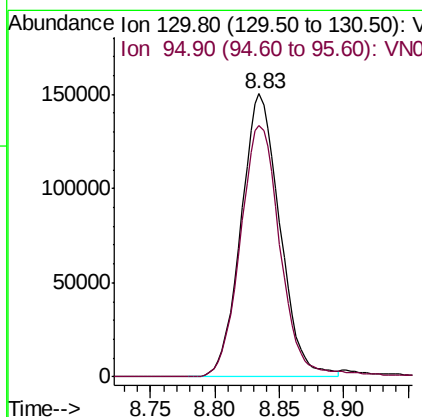
RT: 8.83 min Scan# 2196

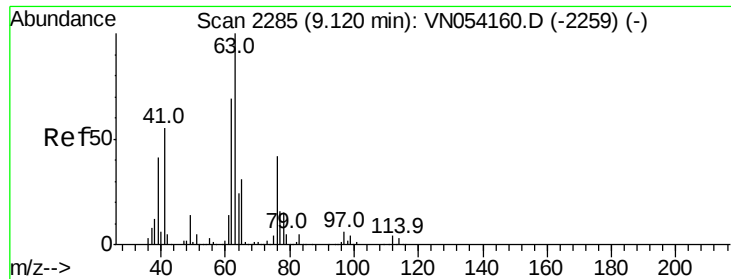
Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Tgt Ion:	130	Resp:	315254
Ion Ratio	Lower	Upper	
130	100		
95	88.8	0.0	185.2





#45

1,2-Dichloropropane

Concen: 22.440 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion: 63 Resp: 279085

Ion Ratio Lower Upper

63 100

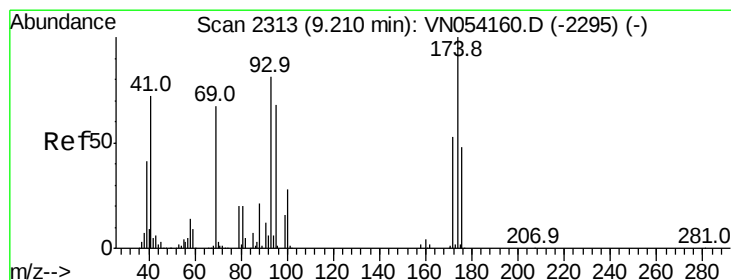
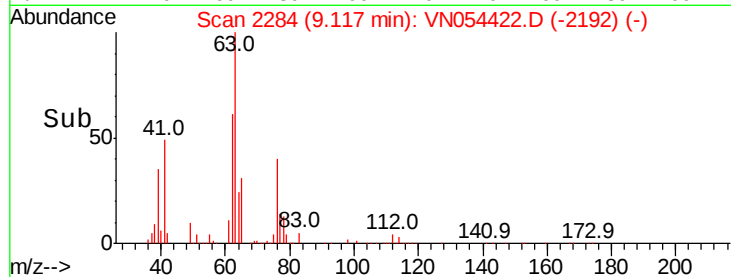
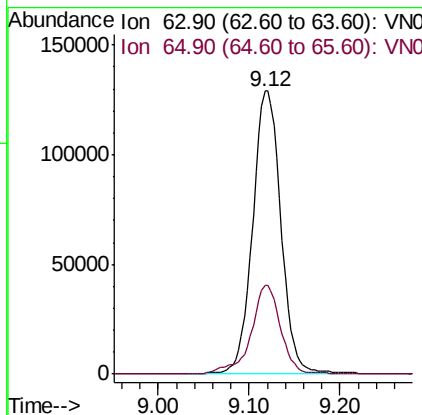
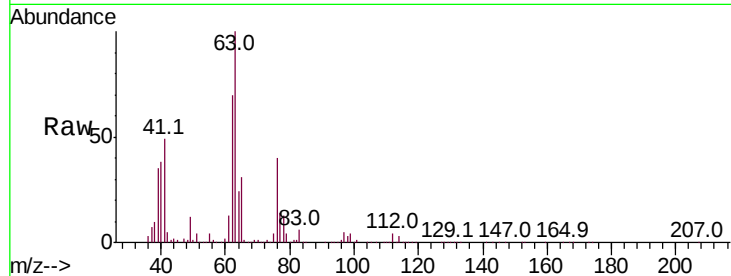
65 31.3 25.0 37.6

Manual Integrations

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#46

Dibromomethane

Concen: 20.909 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

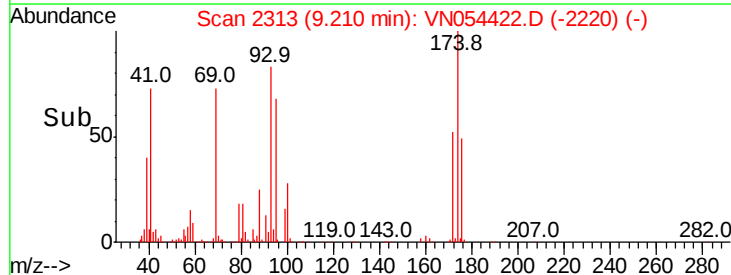
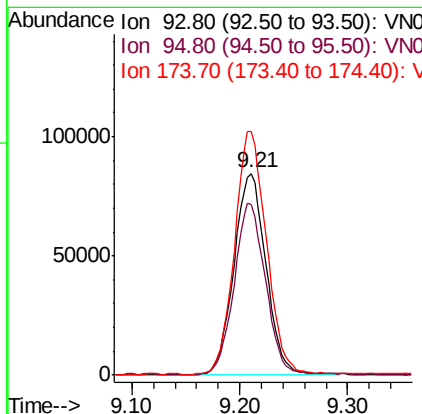
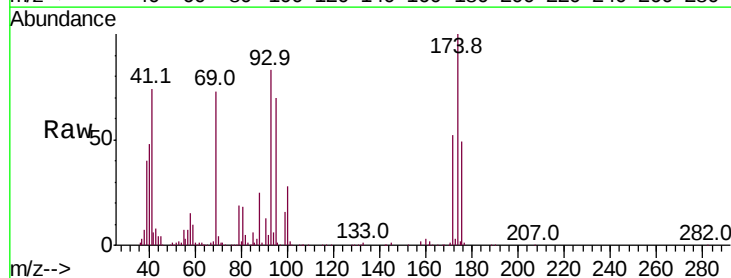
Tgt Ion: 93 Resp: 175698

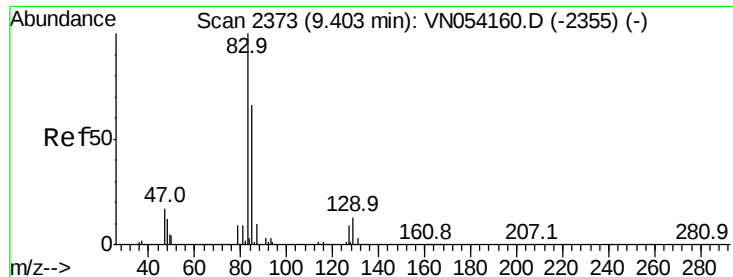
Ion Ratio Lower Upper

93 100

95 82.6 66.7 100.1

174 119.6 98.5 147.7





#47

Bromodichloromethane

Concen: 19.245 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

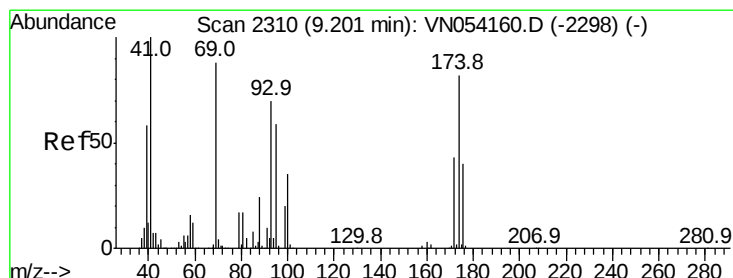
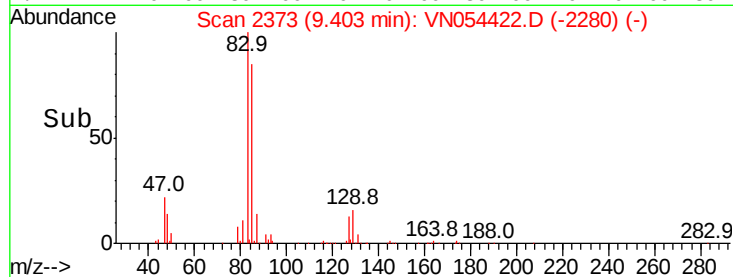
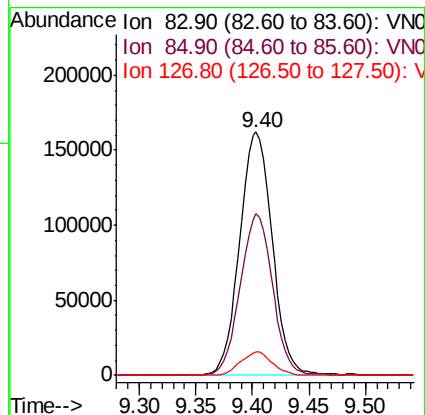
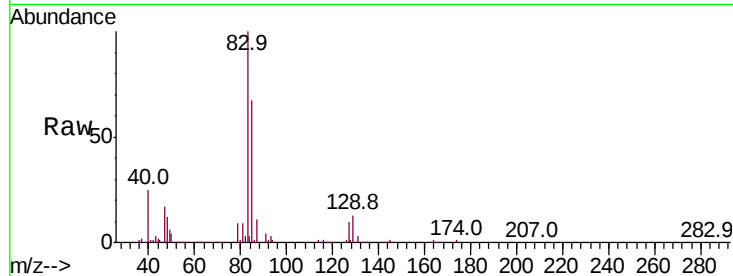
ClientSampleId :

VN0318WBSD02

Tot Ion:	83	Resp:	324210
Ion Ratio	Lower	Upper	
83	100		
85	66.7	52.8	79.2
127	9.8	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.666 ug/l

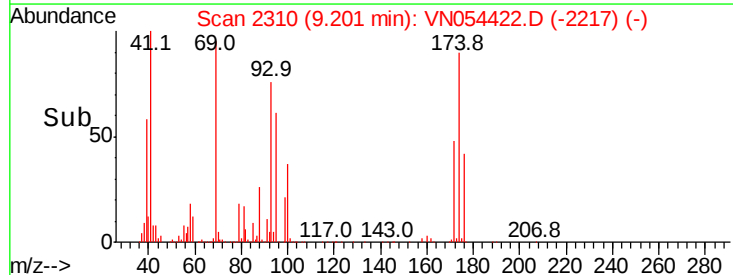
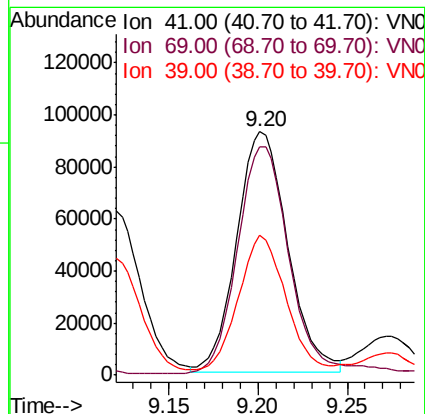
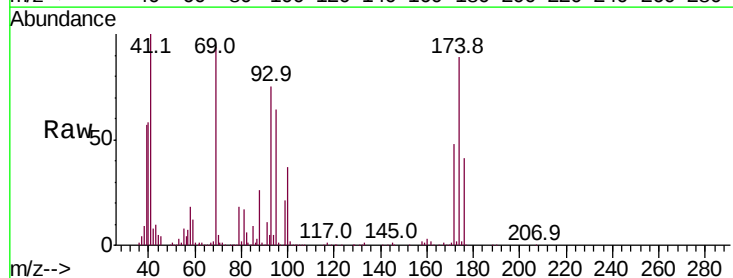
RT: 9.20 min Scan# 2310

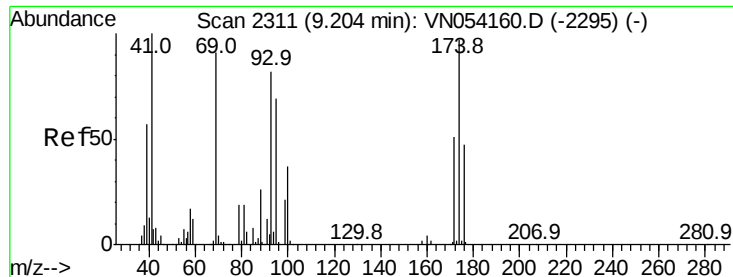
Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Tgt Ion:	41	Resp:	185136
Ion Ratio	Lower	Upper	
41	100		
69	97.8	72.6	108.8
39	53.8	47.5	71.3





#49

1,4-Dioxane

Concen: 462.922 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

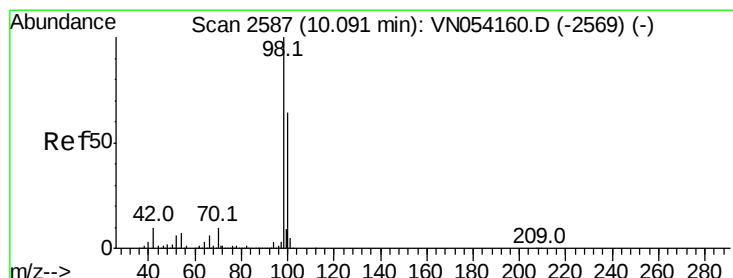
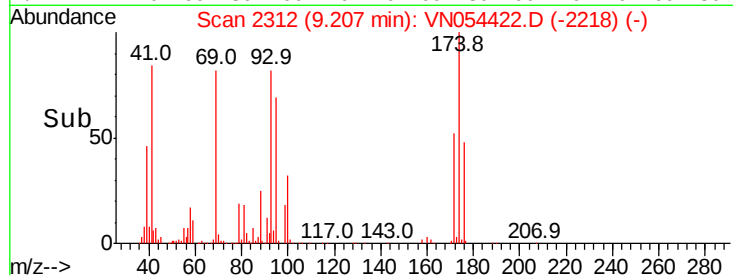
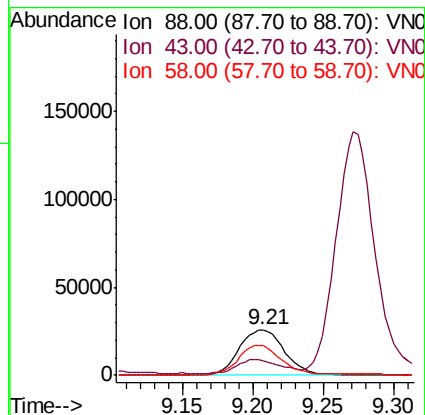
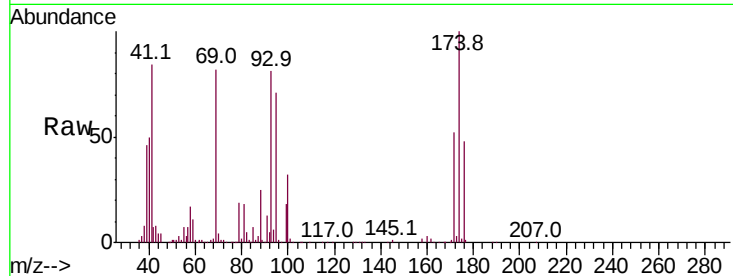
ClientSampleId :

VN0318WBSD02

Tot Ion:	88	Resp:	58660
Ion Ratio	Lower	Upper	
88	100		
43	29.0	24.1	36.1
58	62.4	50.8	76.2

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#50

Toluene-d8

Concen: 49.482 ug/l

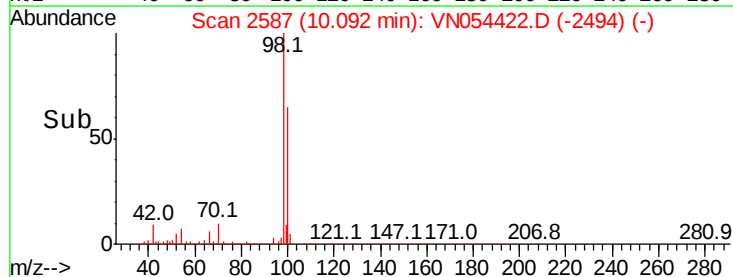
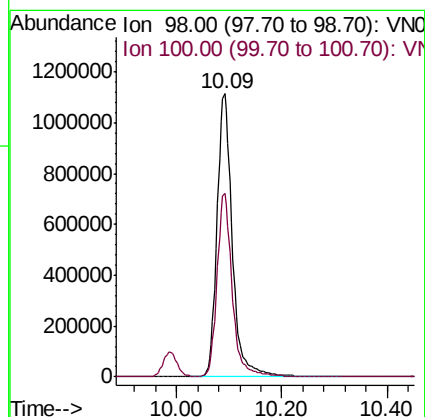
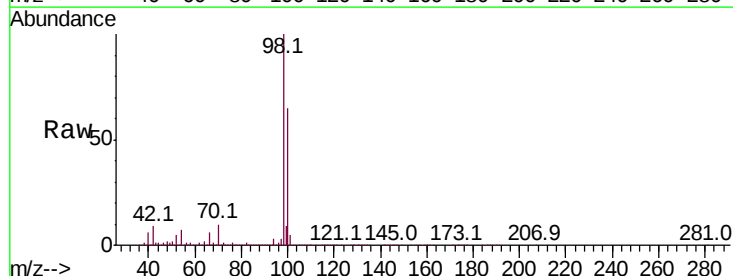
RT: 10.09 min Scan# 2587

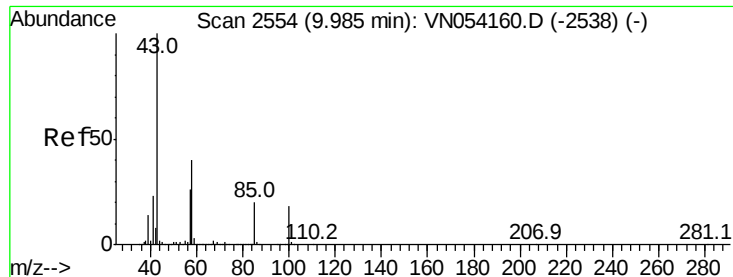
Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Tgt Ion:	98	Resp:	2240115
Ion Ratio	Lower	Upper	
98	100		
100	64.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 109.722 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion: 43 Resp: 1025018

Ion Ratio Lower Upper

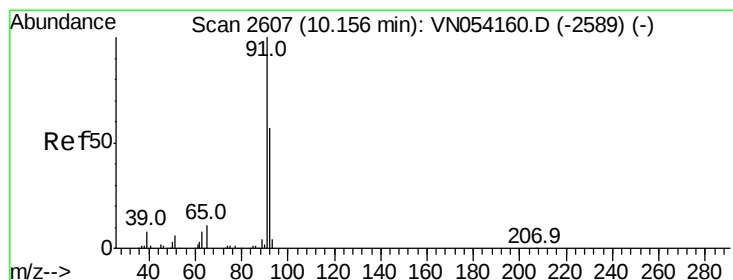
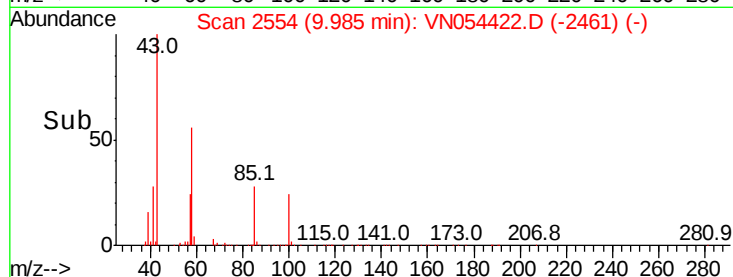
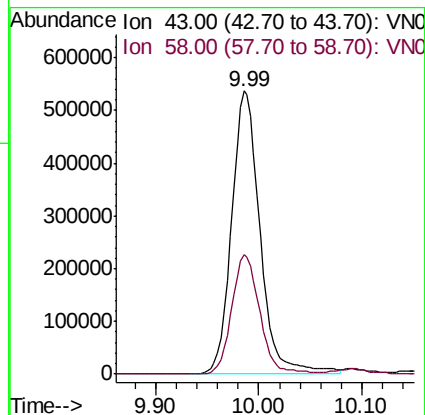
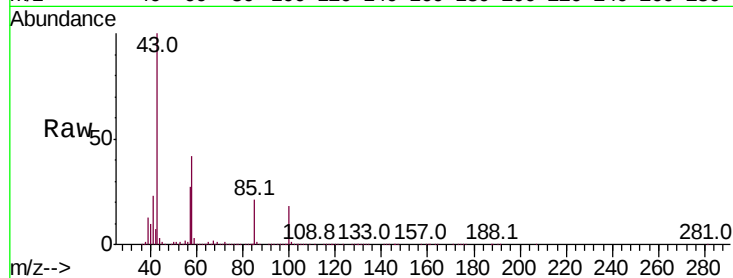
43 100

58 41.8 31.8 47.6

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#52

Toluene

Concen: 20.813 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054422.D

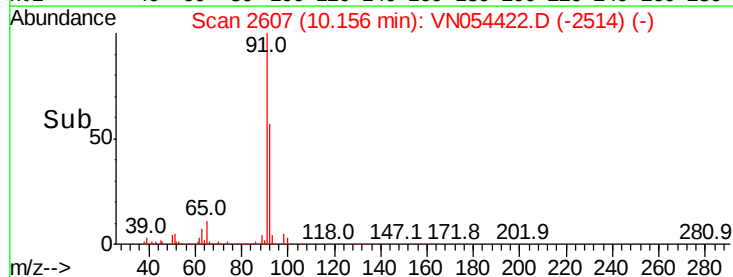
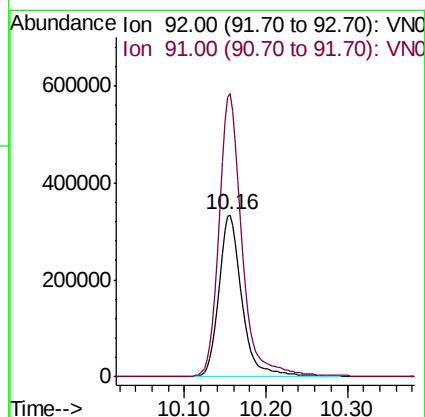
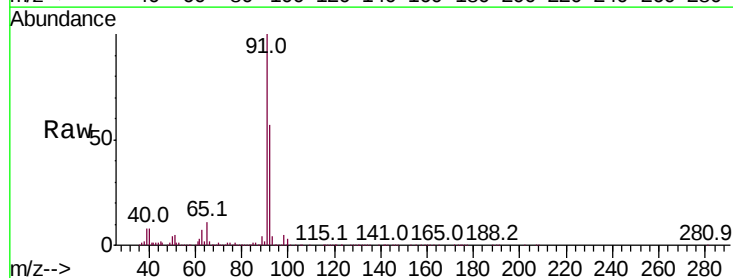
Acq: 19 Mar 2019 5:02

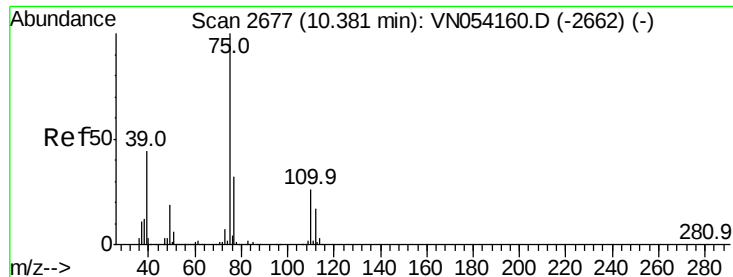
Tgt Ion: 92 Resp: 660993

Ion Ratio Lower Upper

92 100

91 174.6 140.7 211.1





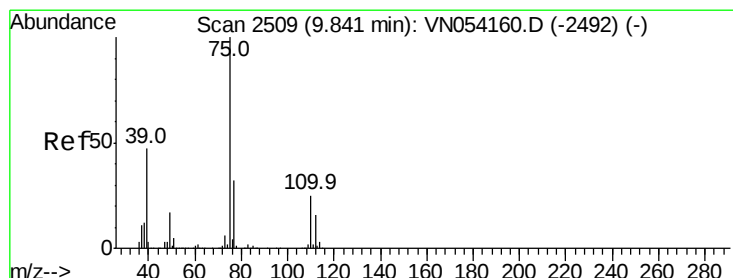
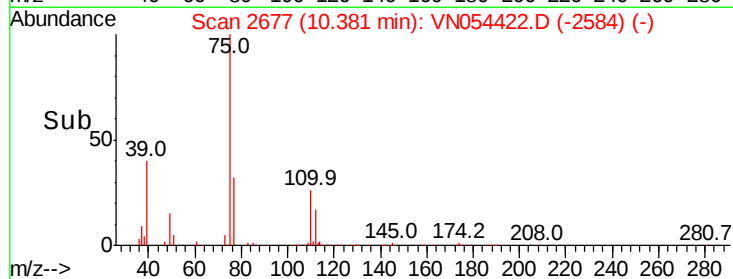
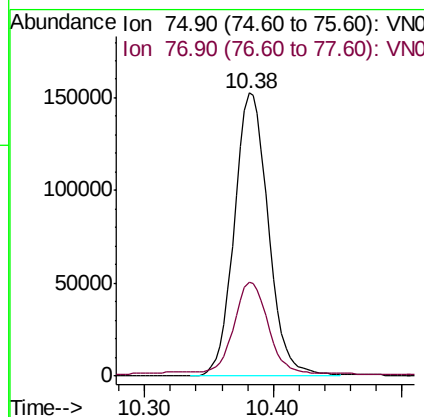
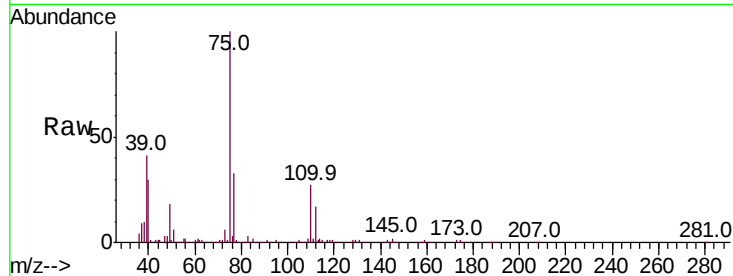
#53
t-1,3-Dichloropropene
Concen: 15.947 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
75	100	280135		
77	32.1	25.8	38.8	

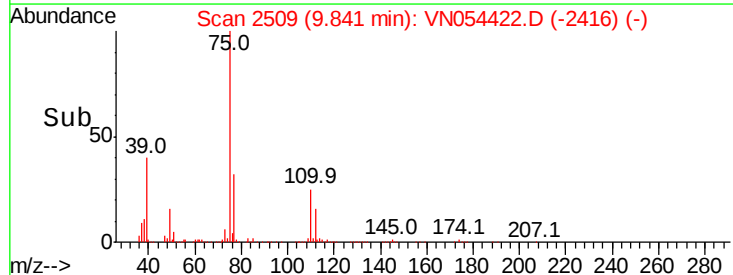
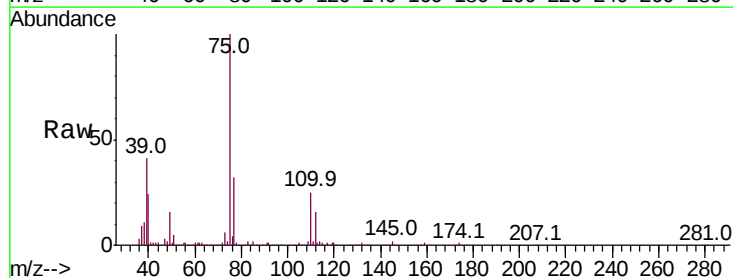
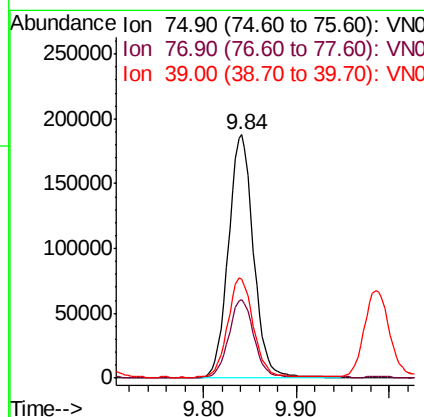
Manual Integrations
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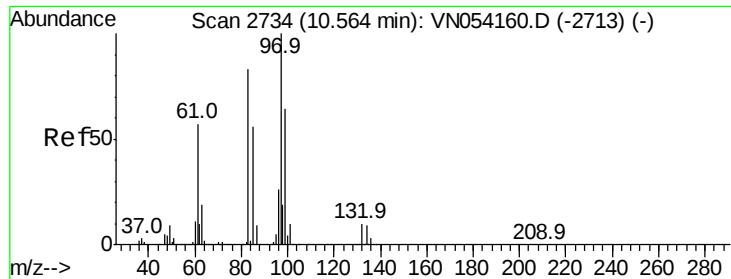
MMDadoda
3/19/2019 9:23:01 AM



#54
cis-1,3-Dichloropropene
Concen: 18.014 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	353635		
77	31.9	25.4	38.0	
39	40.7	37.2	55.8	





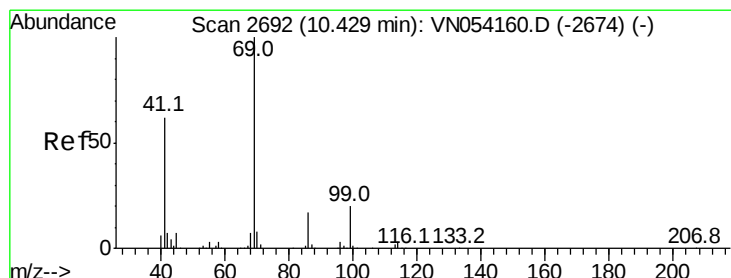
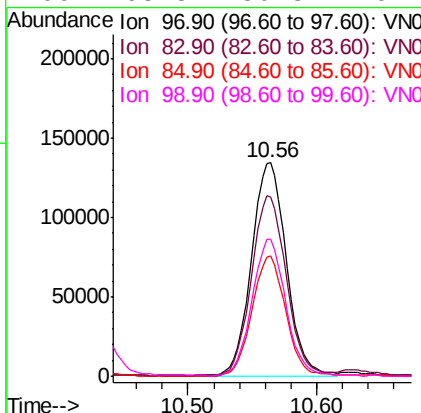
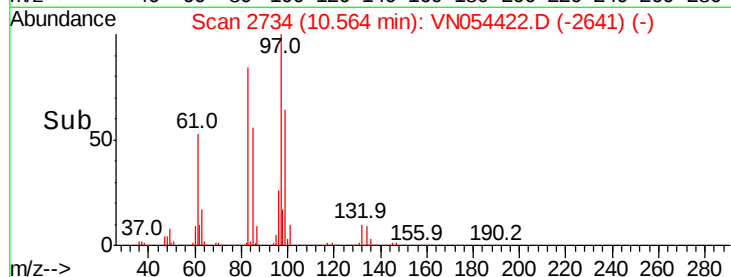
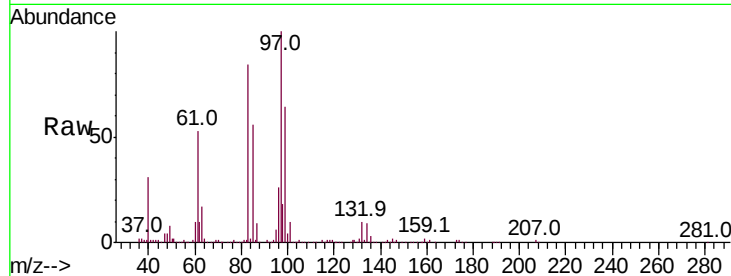
#55
 1,1,2-Trichloroethane
 Concen: 21.780 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054422.D
 Acq: 19 Mar 2019 5:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD02

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.0	66.6	100.0
85	56.4	44.4	66.6
99	63.8	50.8	76.2

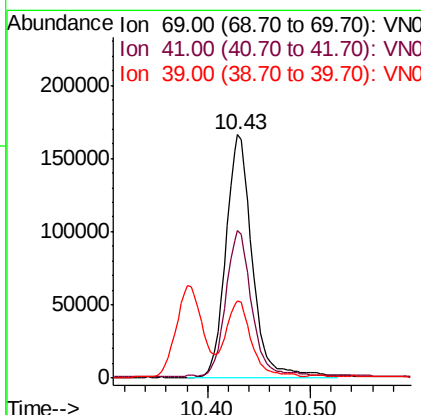
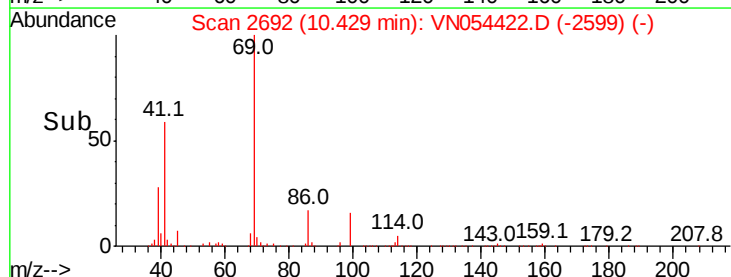
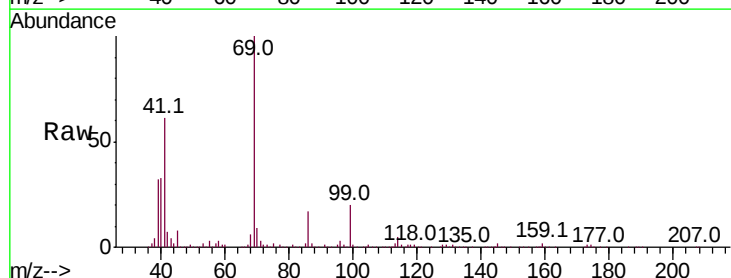
Manual Integrations
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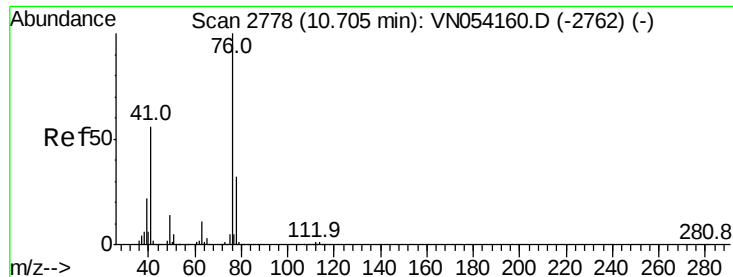
MMDadoda
 3/19/2019 9:23:01 AM



#56
 Ethyl methacrylate
 Concen: 21.357 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054422.D
 Acq: 19 Mar 2019 5:02

Tgt Ion	Ratio	Lower	Upper
69	100		
41	57.9	49.4	74.2
39	30.2	28.3	42.5





#57

1,3-Dichloropropane

Concen: 21.956 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleID :

VN0318WBSD02

Tot Ion: 76 Resp: 416307

Ion Ratio Lower Upper

76 100

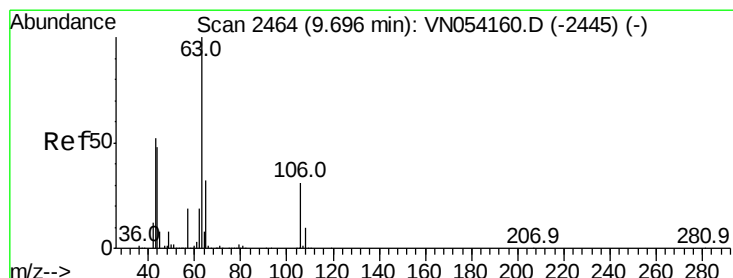
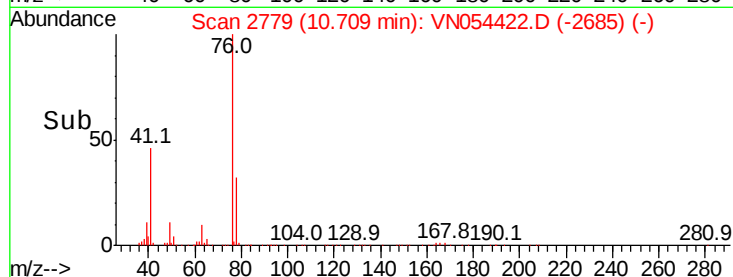
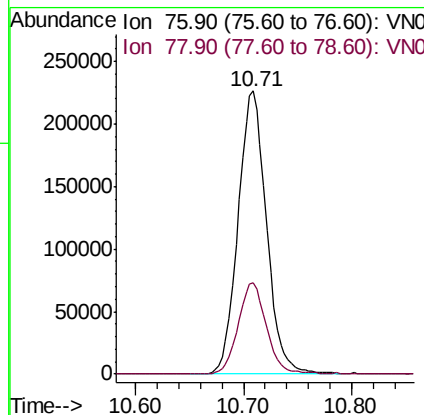
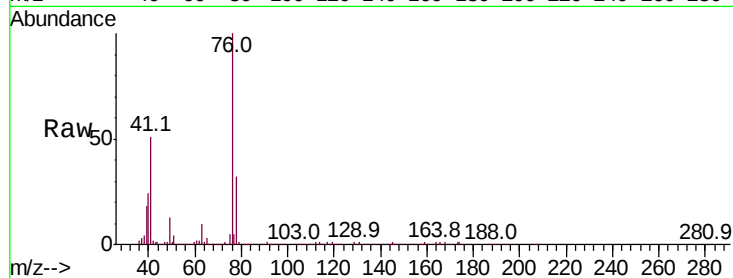
78 31.8 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 107.650 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054422.D

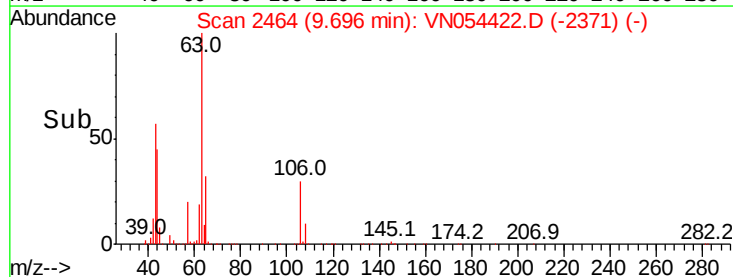
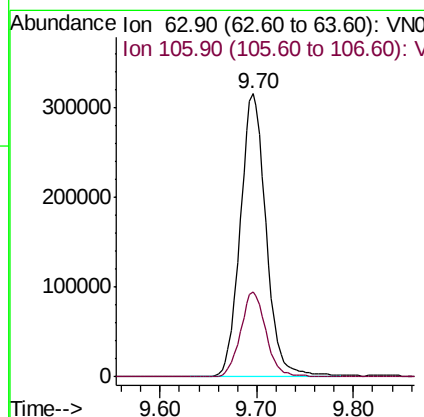
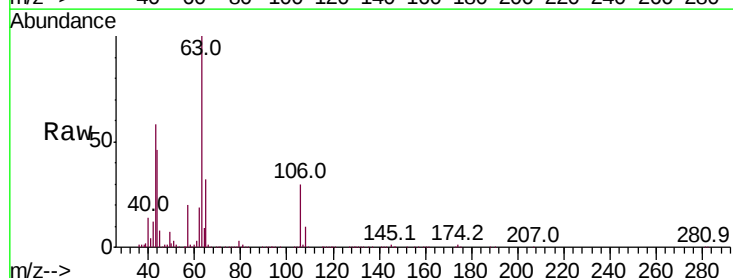
Acq: 19 Mar 2019 5:02

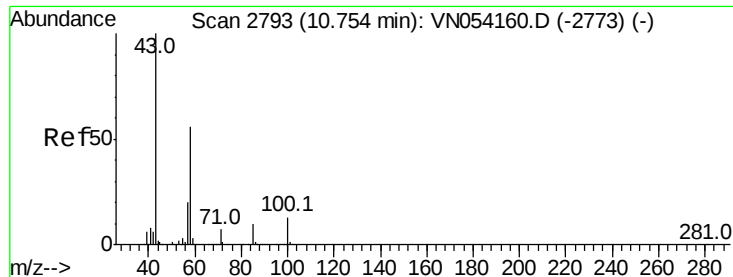
Tgt Ion: 63 Resp: 584133

Ion Ratio Lower Upper

63 100

106 29.8 24.4 36.6





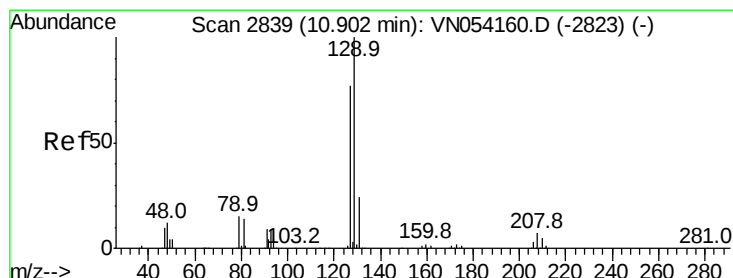
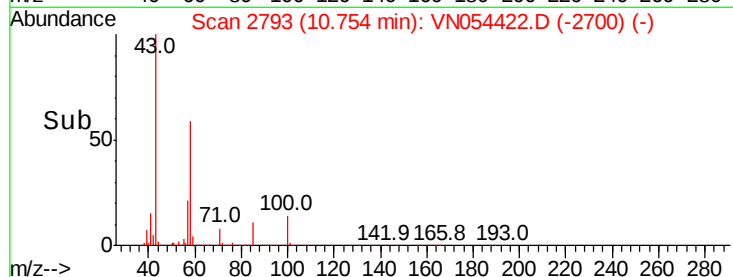
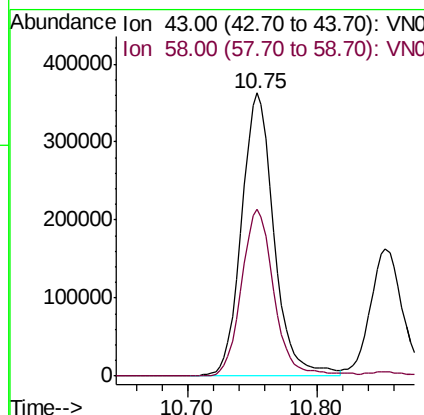
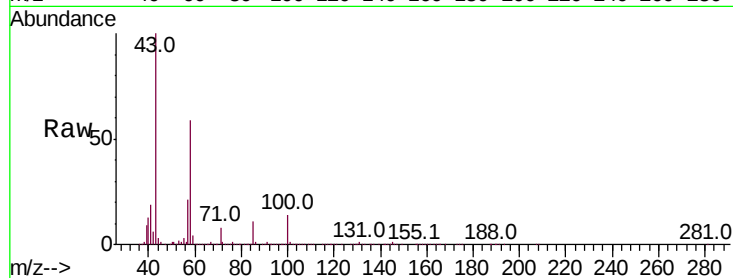
#59
2-Hexanone
Concen: 101.312 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.7	28.0	83.9

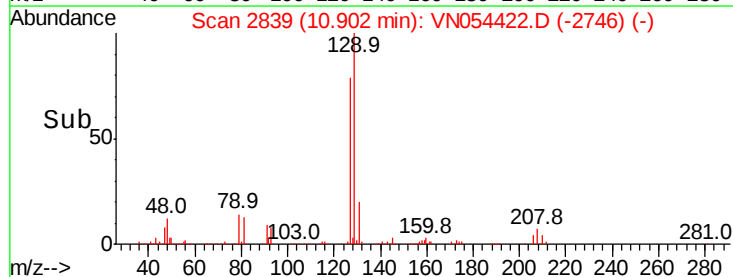
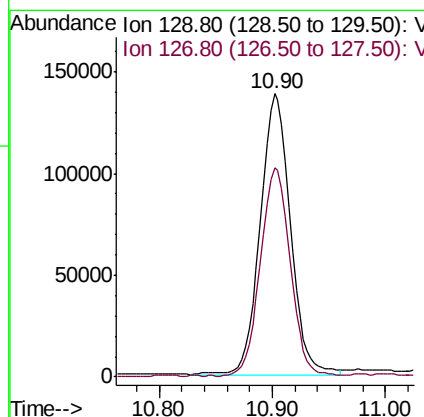
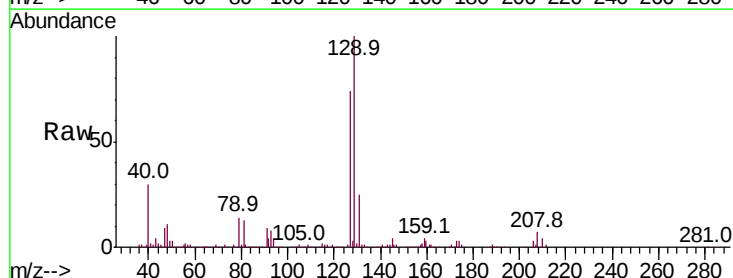
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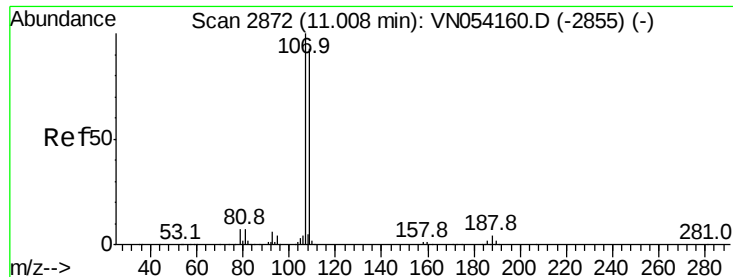
MMDadoda
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#60
Dibromochloromethane
Concen: 19.597 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.5	38.6	115.8





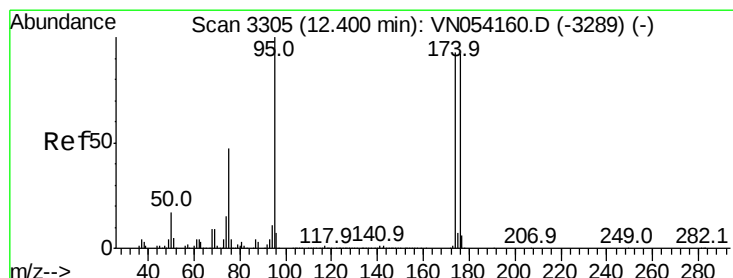
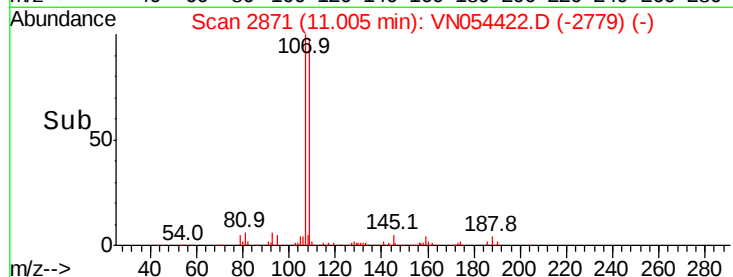
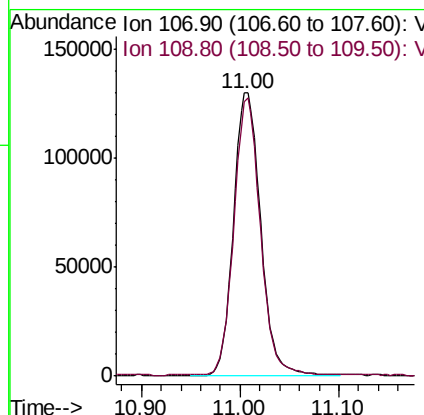
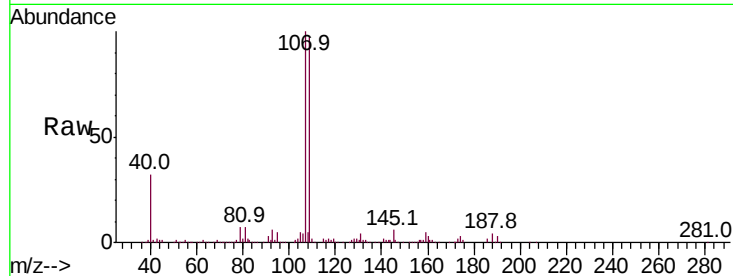
#61
 1,2-Dibromoethane
 Concen: 21.161 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054422.D
 Acq: 19 Mar 2019 5:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
107	100	249367		
109	95.0	75.9	113.9	

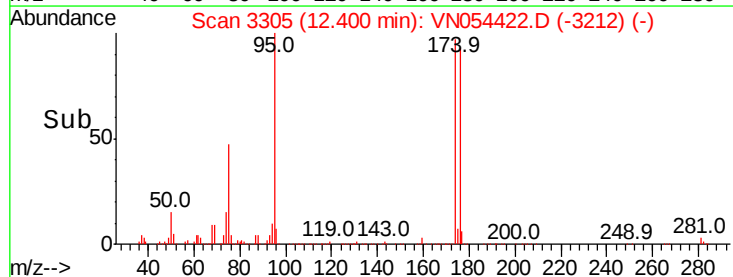
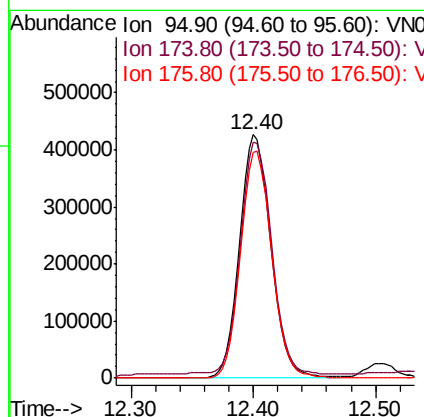
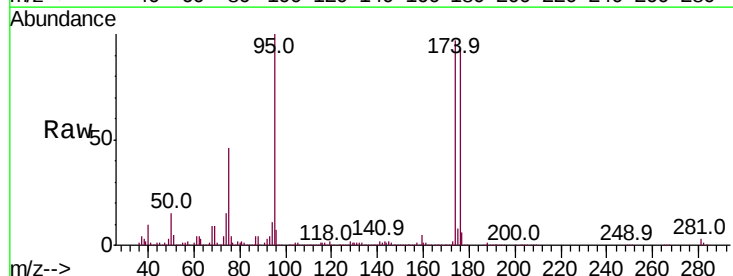
Manual Integrations
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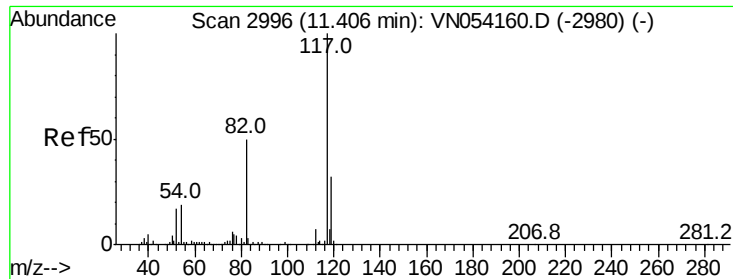
MMDadoda
 3/19/2019 9:23:01 AM



#62
 4-Bromofluorobenzene
 Concen: 47.467 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054422.D
 Acq: 19 Mar 2019 5:02

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	751903		
174	95.3	0.0	191.0	
176	93.5	0.0	187.4	





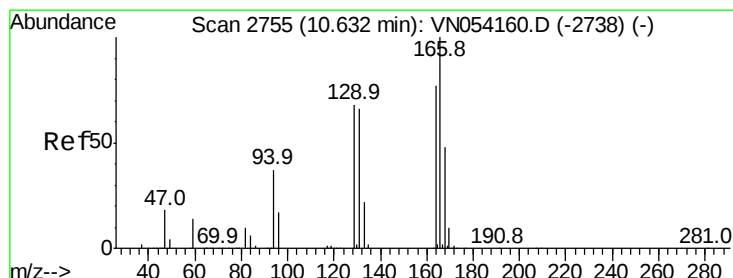
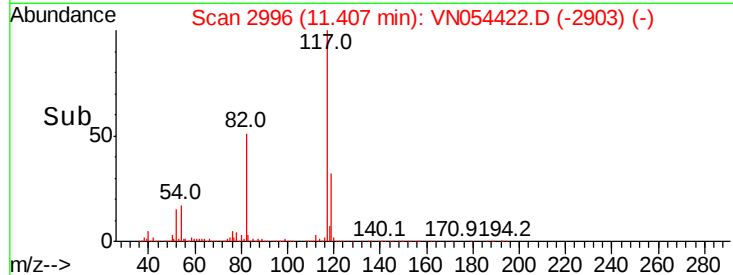
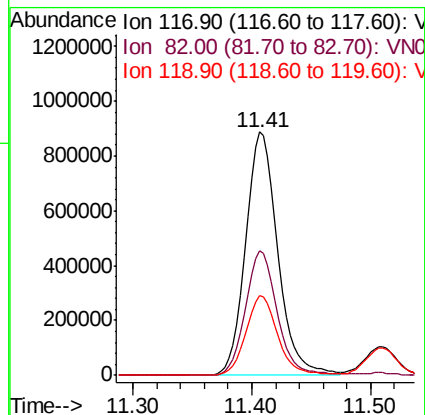
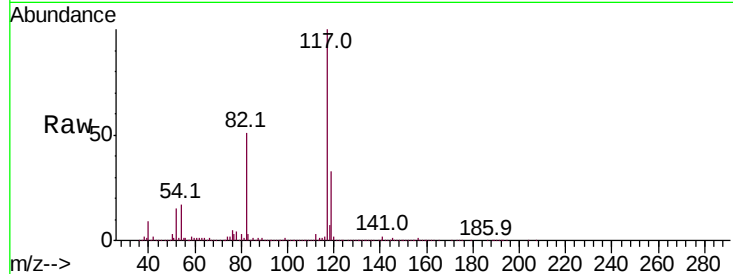
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion:117 Resp: 1649993
Ion Ratio Lower Upper
117 100
82 51.1 40.0 60.0
119 32.6 25.8 38.6

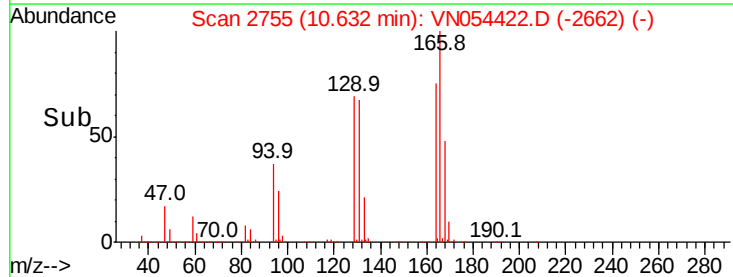
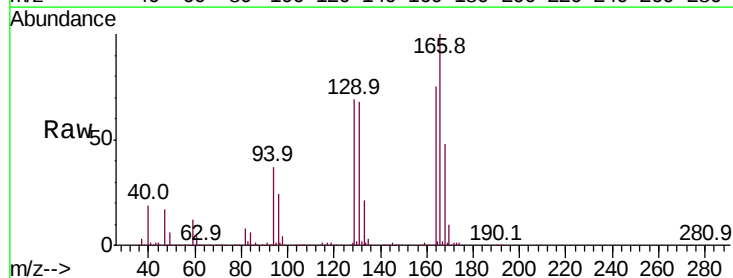
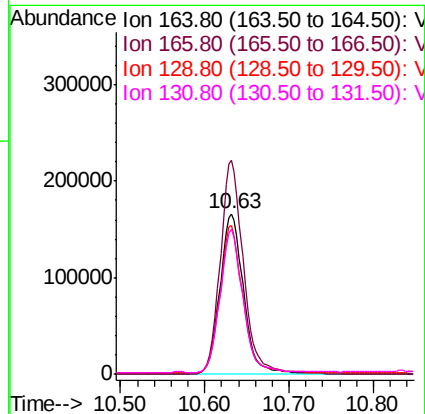
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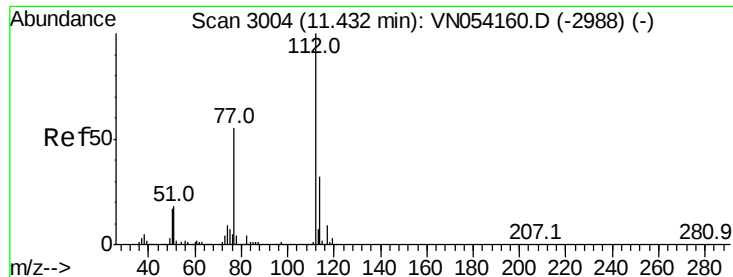
MMDadoda
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#64
Tetrachloroethene
Concen: 20.289 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Tgt Ion:164 Resp: 323663
Ion Ratio Lower Upper
164 100
166 133.2 103.9 155.9
129 91.7 71.1 106.7
131 89.3 68.2 102.4





#65

Chlorobenzene

Concen: 21.173 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion:112 Resp: 767092

Ion Ratio Lower Upper

112 100

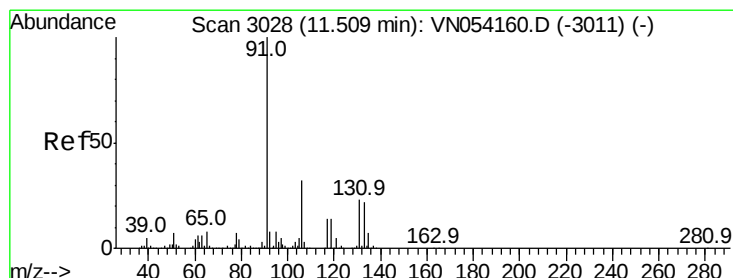
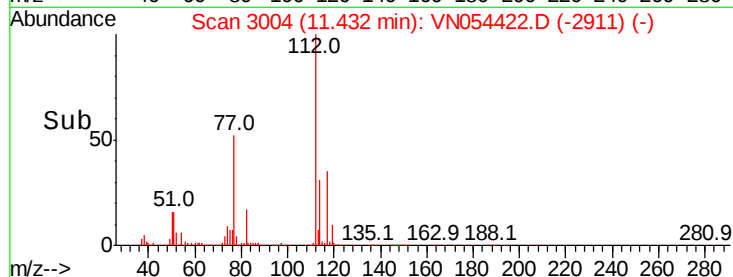
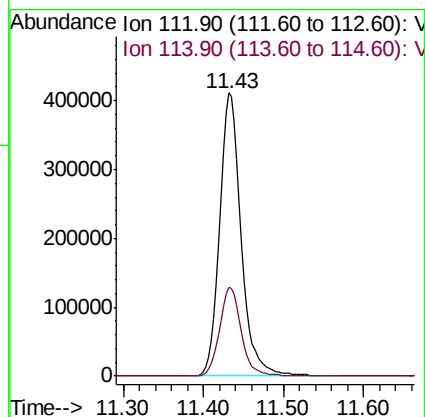
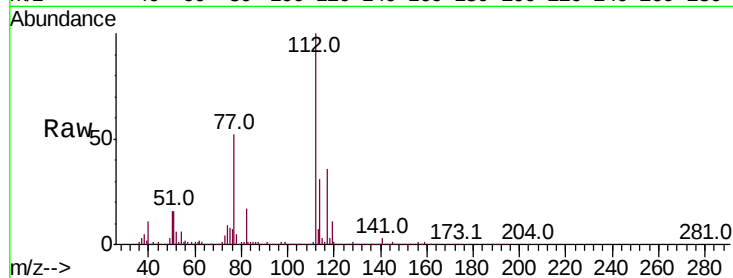
114 31.2 25.9 38.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.156 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

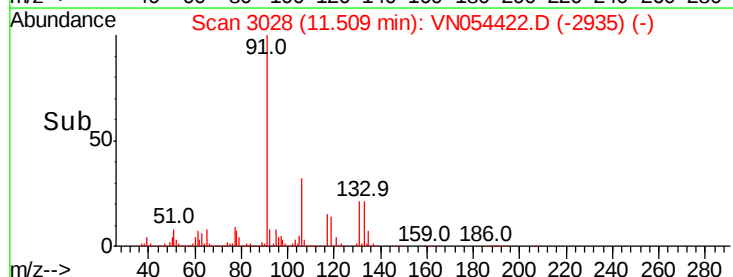
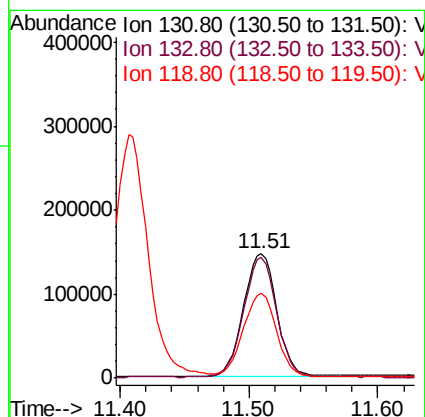
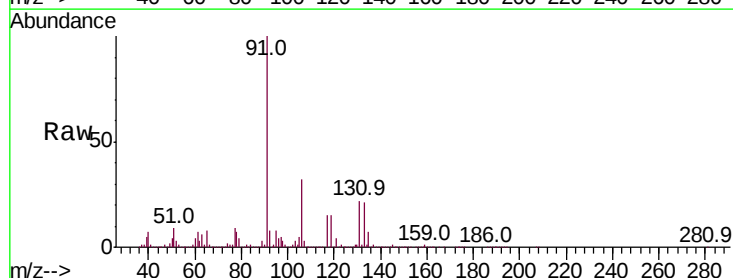
Tgt Ion:131 Resp: 265282

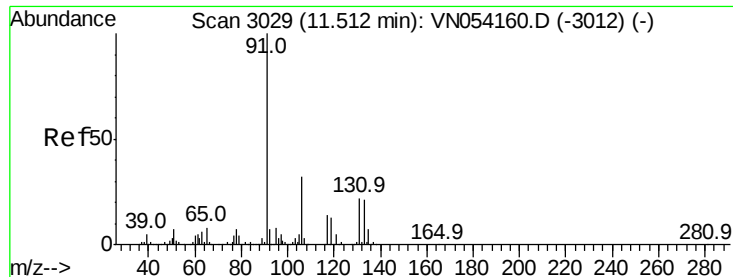
Ion Ratio Lower Upper

131 100

133 95.3 47.6 142.9

119 67.3 32.4 97.0





#67

Ethyl Benzene

Concen: 20.628 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampled :

VN0318WBSD02

Tot Ion: 91 Resp: 1238865

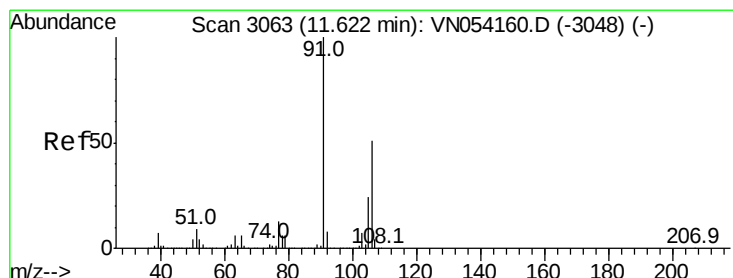
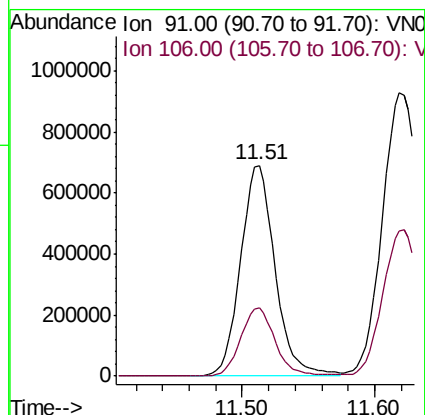
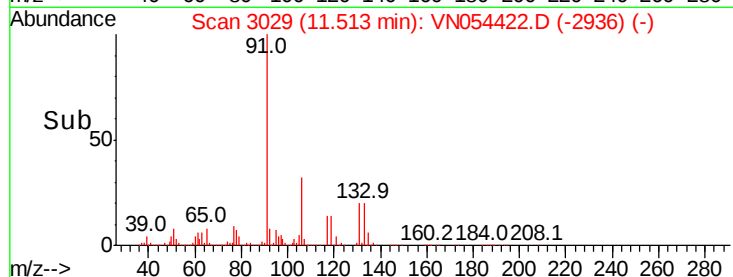
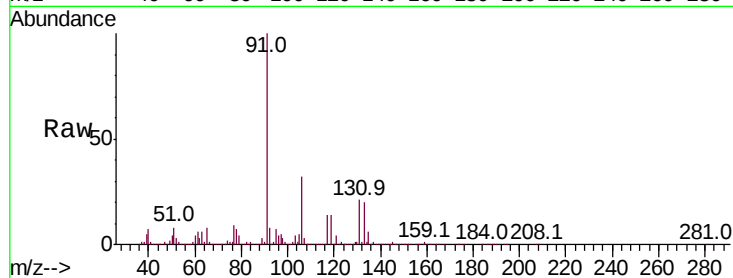
Ion Ratio Lower Upper

91 100

106 32.2 25.5 38.3

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#68

m/p-Xylenes

Concen: 41.027 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054422.D

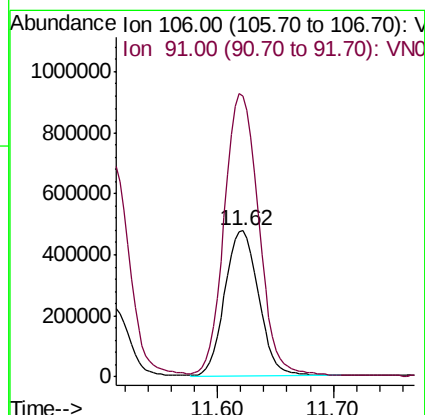
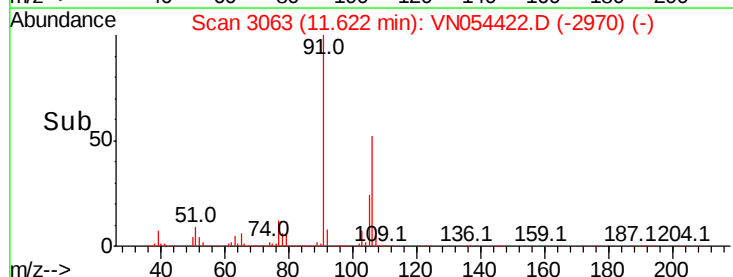
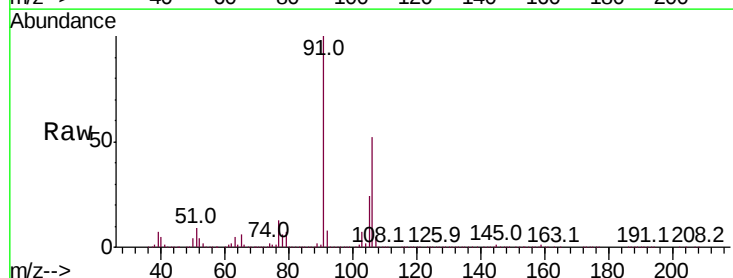
Acq: 19 Mar 2019 5:02

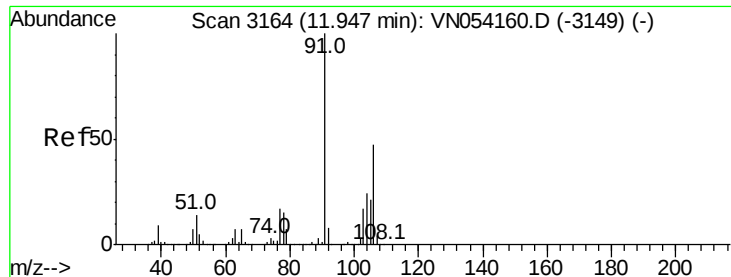
Tgt Ion: 106 Resp: 963029

Ion Ratio Lower Upper

106 100

91 198.8 159.4 239.2





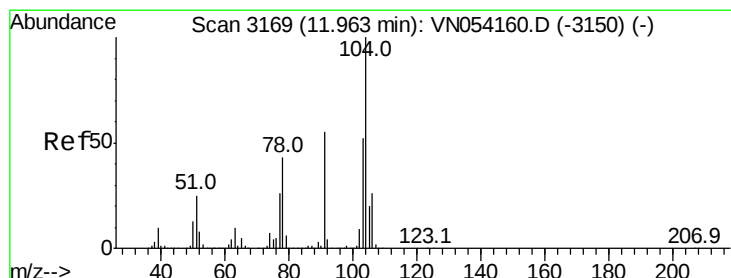
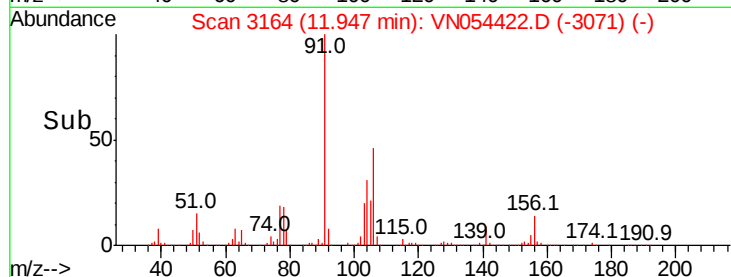
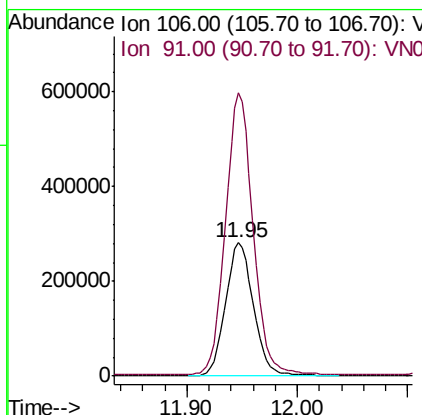
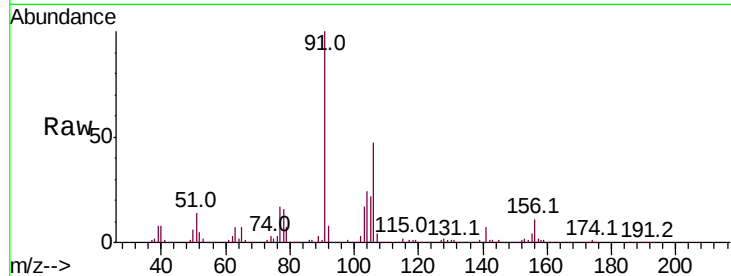
#69
o-Xylene
Concen: 21.387 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion:106 Resp: 489377
Ion Ratio Lower Upper
106 100
91 208.6 105.7 317.1

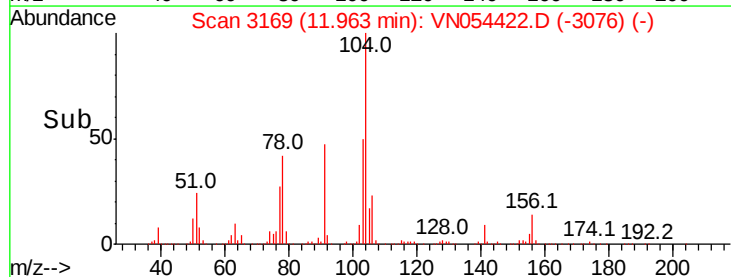
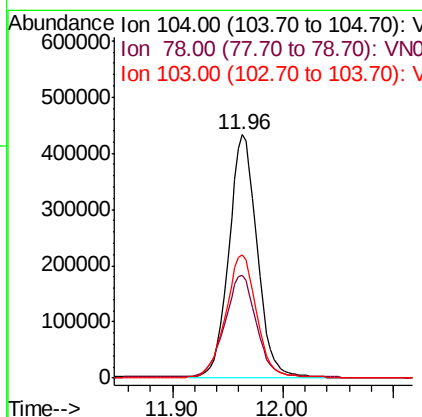
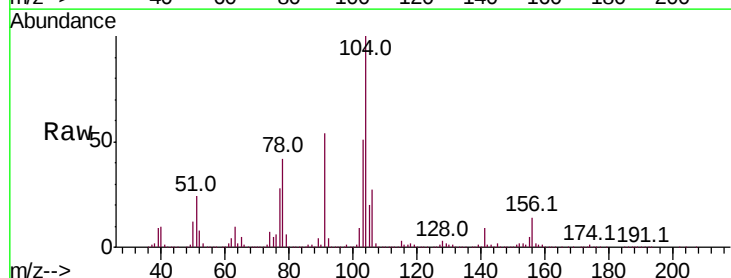
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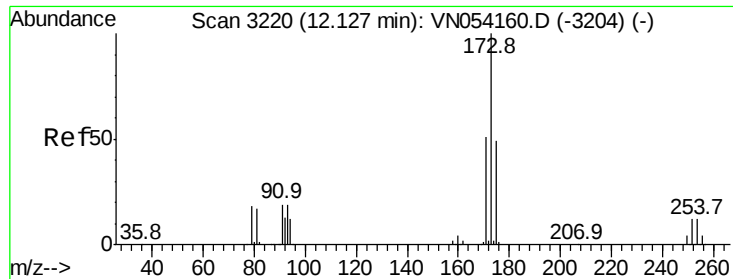
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#70
Styrene
Concen: 21.346 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Tgt Ion:104 Resp: 766055
Ion Ratio Lower Upper
104 100
78 48.1 38.2 57.2
103 55.3 44.4 66.6





#71

Bromoform

Concen: 17.270 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion:173 Resp: 157067

Ion Ratio Lower Upper

173 100

175 48.0 24.4 73.2

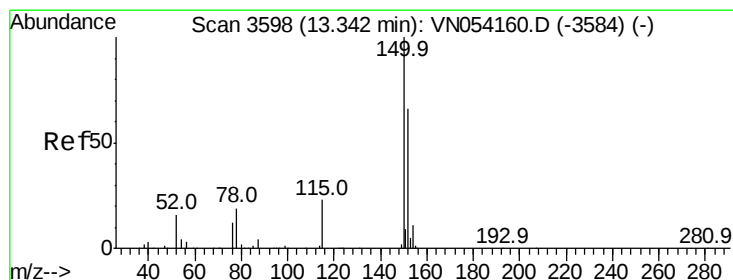
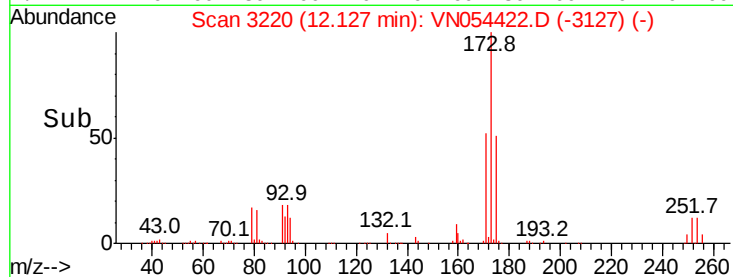
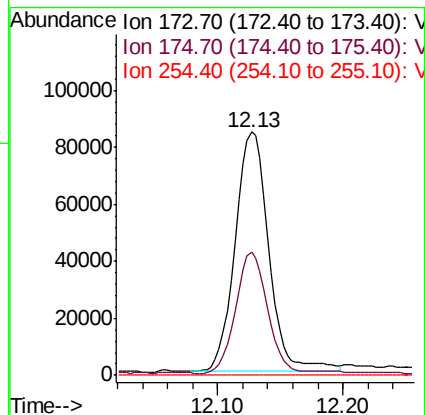
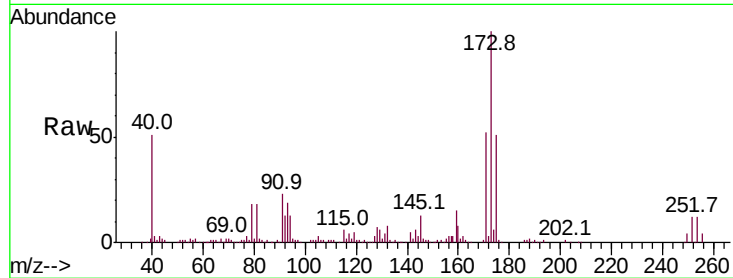
254 0.0 0.1 0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

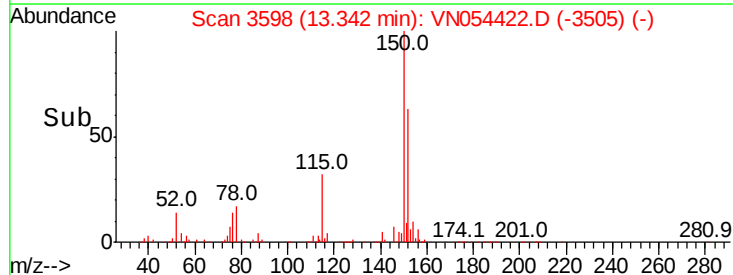
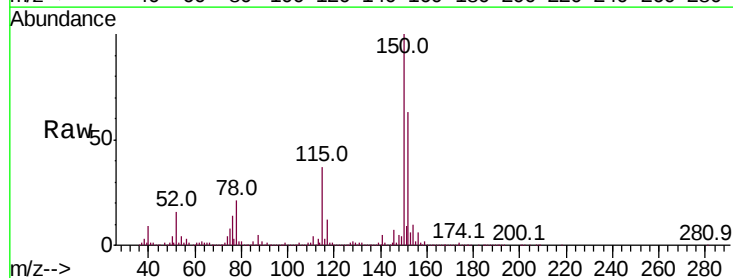
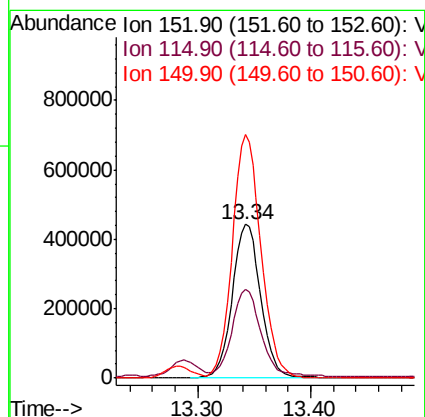
Tgt Ion:152 Resp: 767051

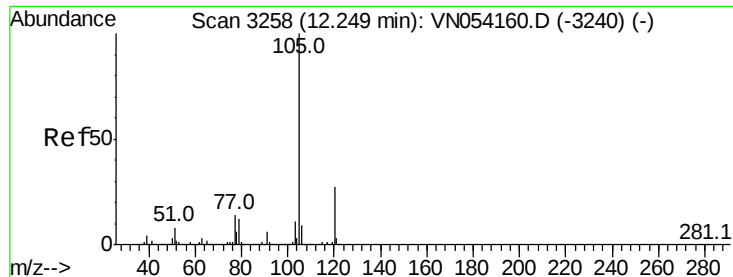
Ion Ratio Lower Upper

152 100

115 58.6 27.2 81.6

150 160.0 0.0 349.2





#73

Isopropylbenzene

Concen: 20.842 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion:105 Resp: 1279065

Ion Ratio Lower Upper

105 100

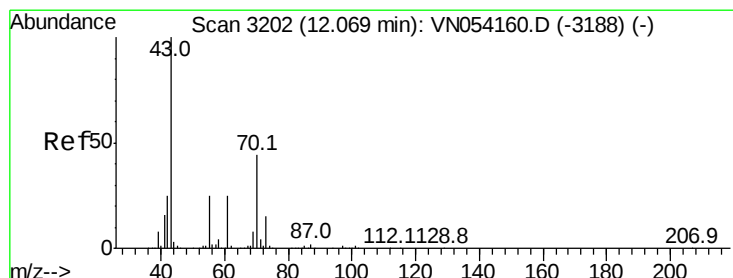
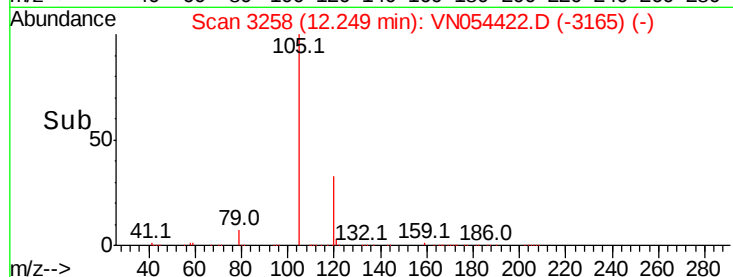
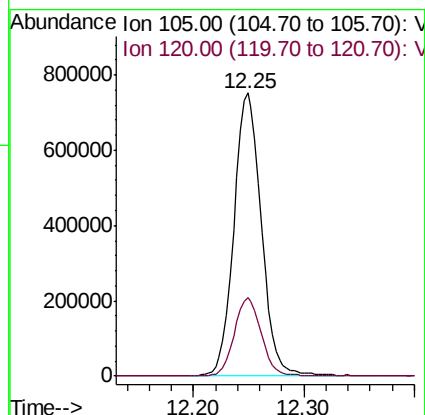
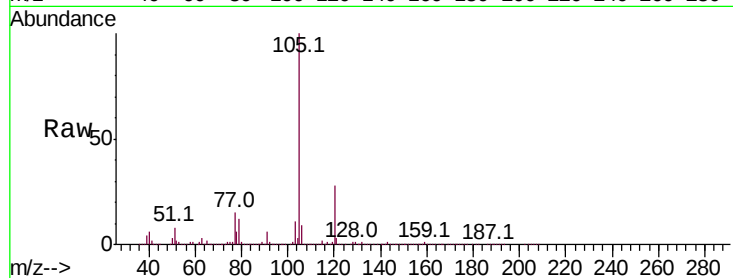
120 27.6 13.8 41.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.559 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Tgt Ion: 43 Resp: 280058

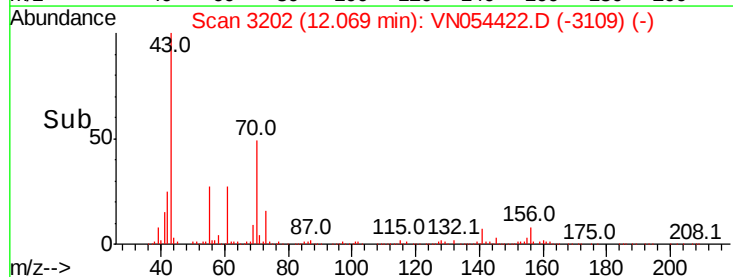
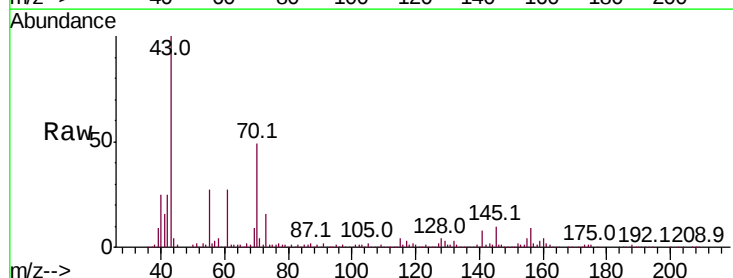
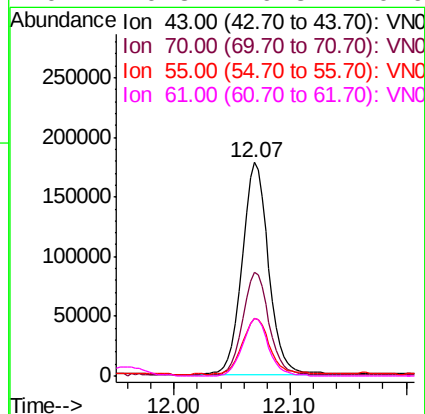
Ion Ratio Lower Upper

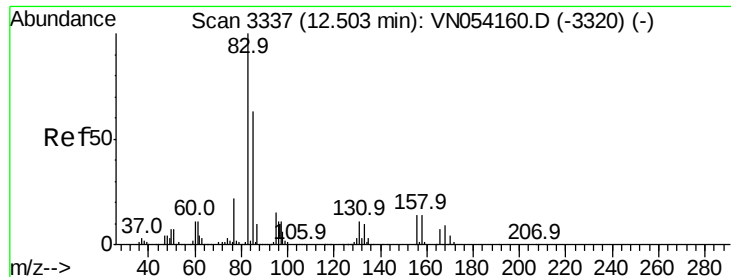
43 100

70 48.0 35.4 53.0

55 27.3 19.8 29.6

61 26.3 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.845 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion: 83 Resp: 285627
Ion Ratio Lower Upper

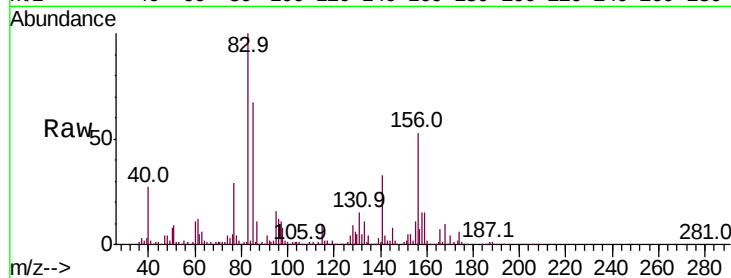
83 100

131 13.4 5.8 17.4

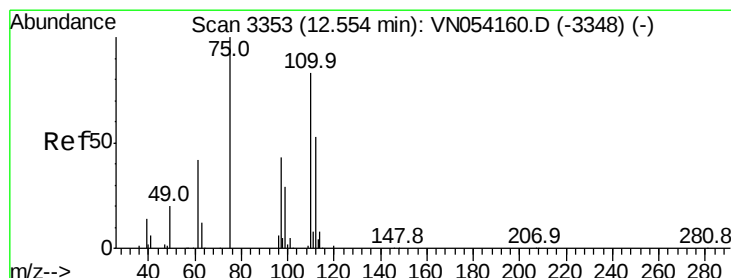
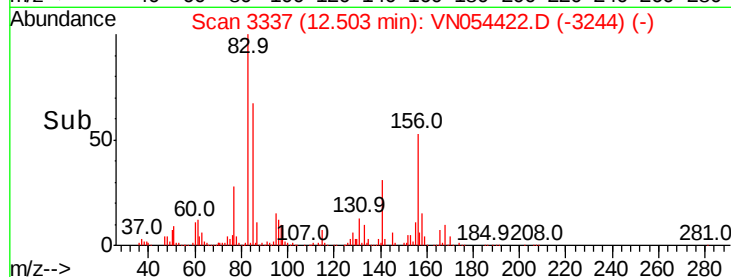
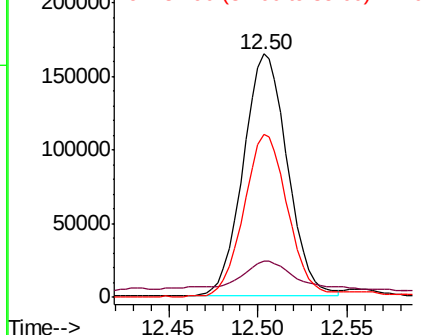
85 66.5 32.2 96.6

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 22.165 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

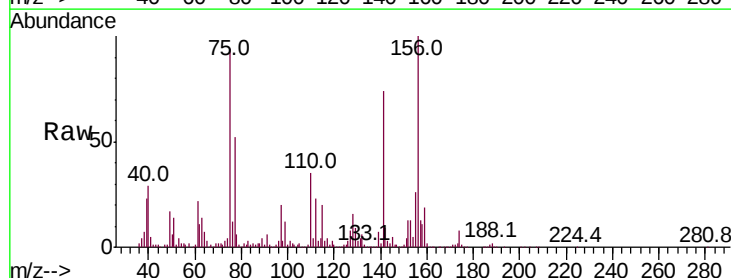
Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

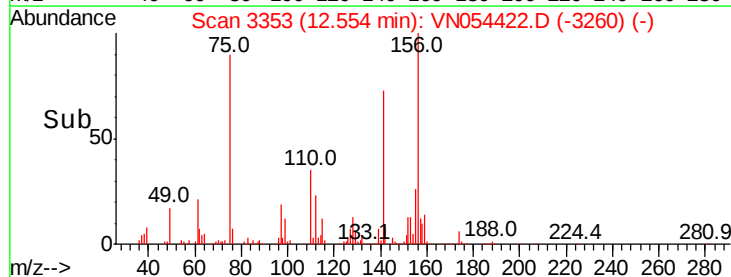
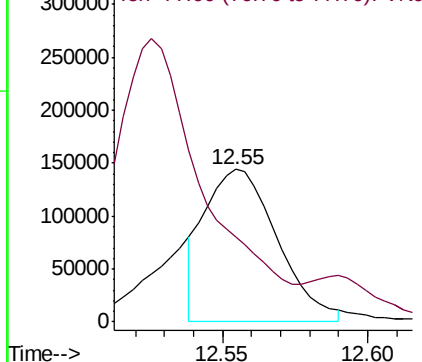
Tgt Ion: 75 Resp: 250022
Ion Ratio Lower Upper

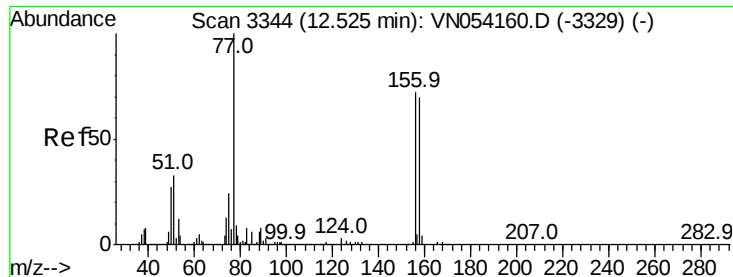
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 71.521 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion:156 Resp: 1161446

Ion Ratio Lower Upper

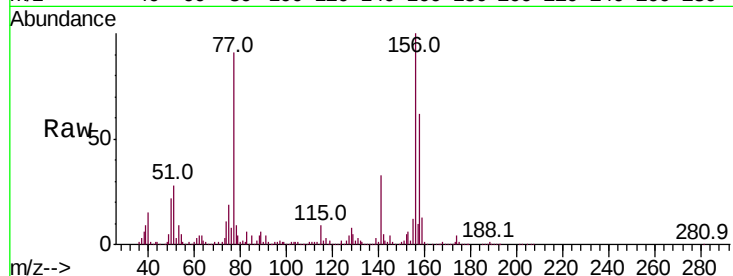
156 100

77 51.1 81.5 244.4#

158 28.5 49.0 147.2#

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

12.53

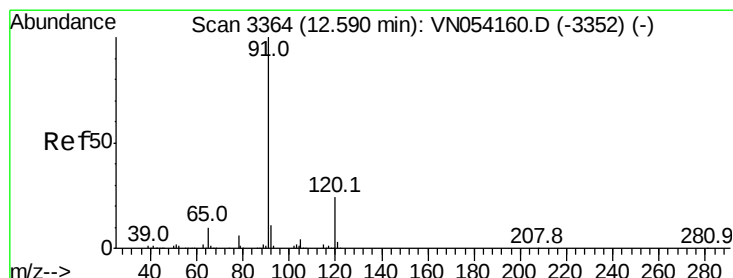
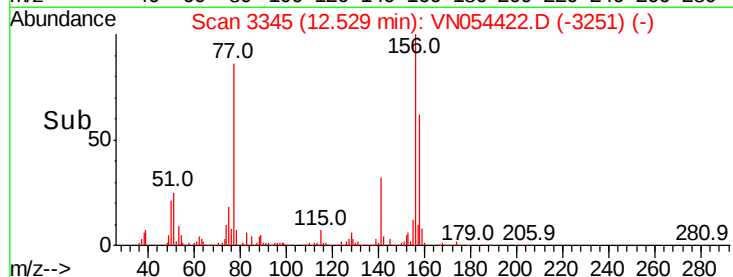
300000

200000

100000

0

Time-->



#78

n-propylbenzene

Concen: 20.158 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054422.D

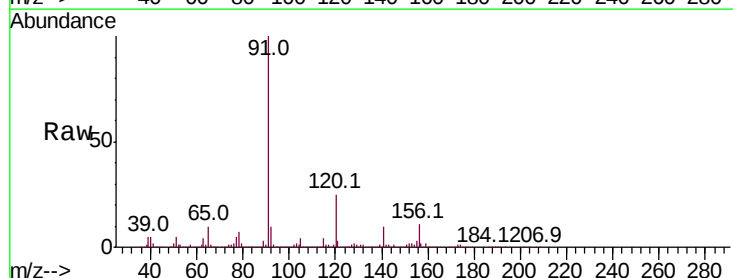
Acq: 19 Mar 2019 5:02

Tgt Ion: 91 Resp: 1342278

Ion Ratio Lower Upper

91 100

120 25.3 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

1000000

800000

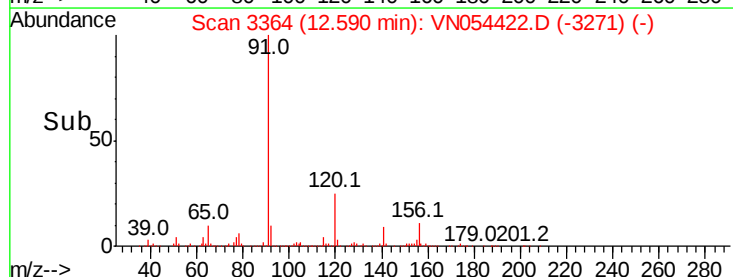
600000

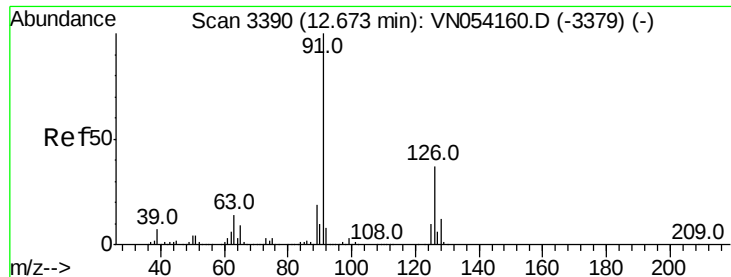
400000

200000

0

Time-->





#79

2-Chlorotoluene

Concen: 20.569 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion: 91 Resp: 823527

Ion Ratio Lower Upper

91 100

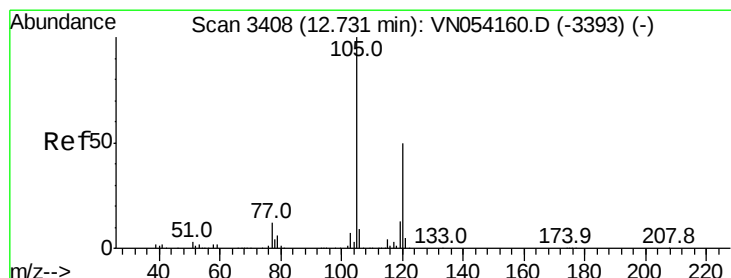
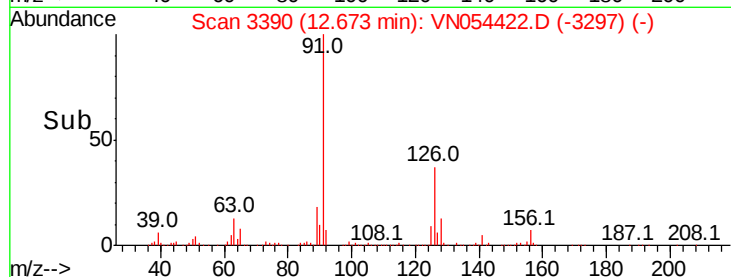
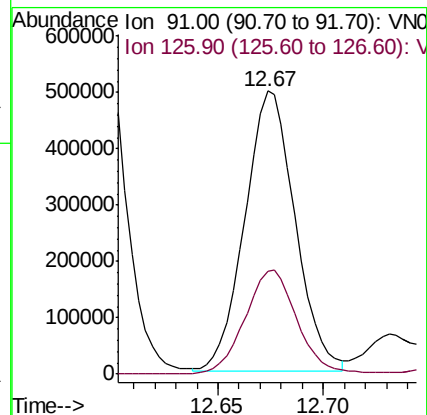
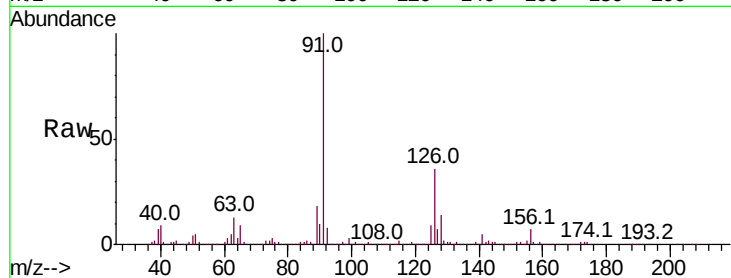
126 38.1 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.260 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054422.D

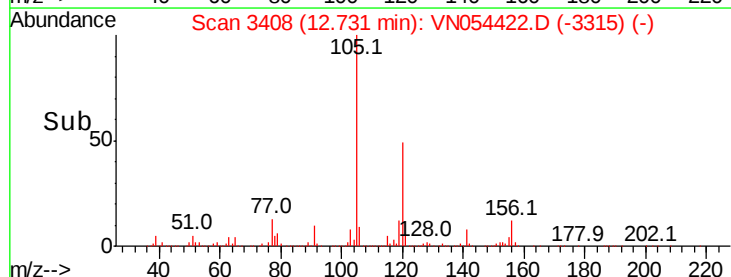
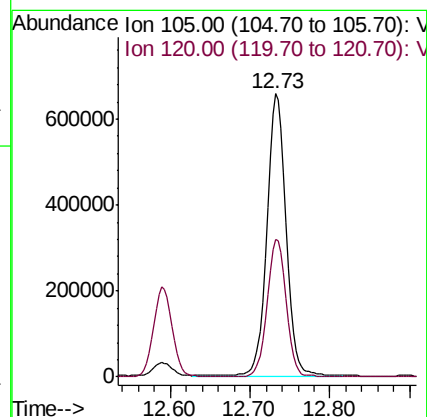
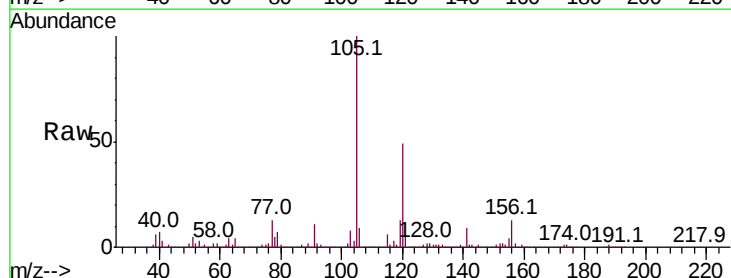
Acq: 19 Mar 2019 5:02

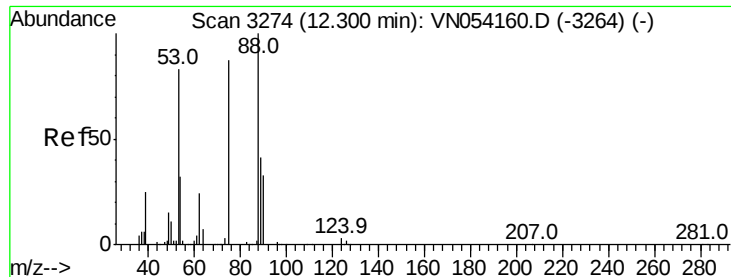
Tgt Ion:105 Resp: 1085224

Ion Ratio Lower Upper

105 100

120 48.0 25.0 75.0





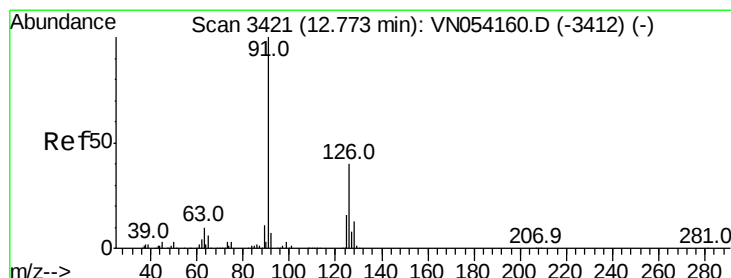
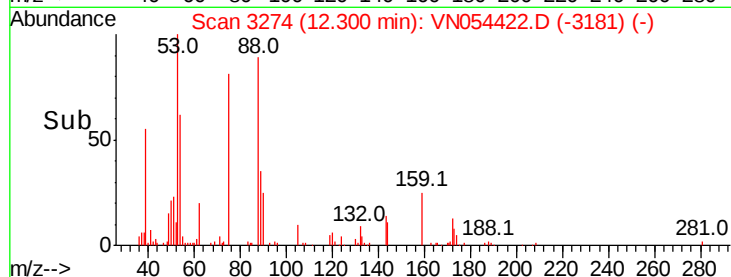
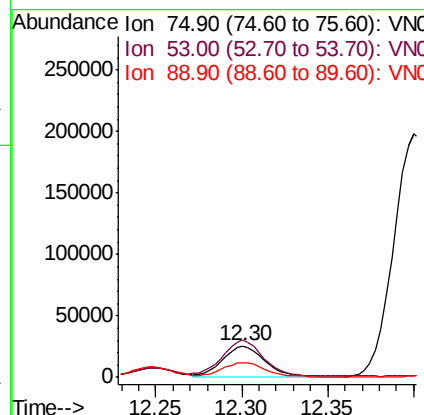
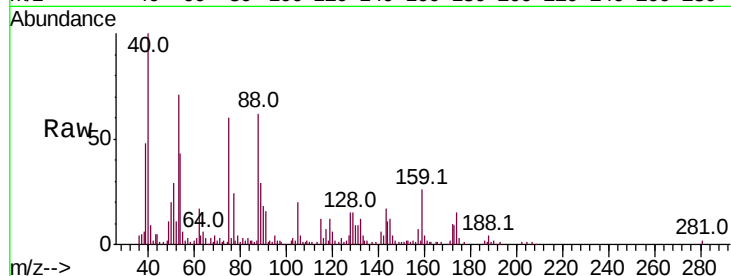
#81
trans-1,4-Dichloro-2-butene
Concen: 12.770 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.8	76.2	114.2#
89	45.9	39.2	58.8

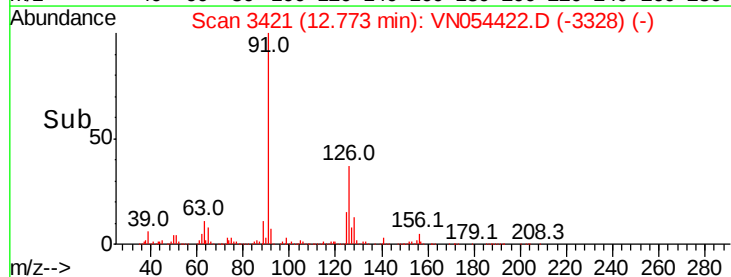
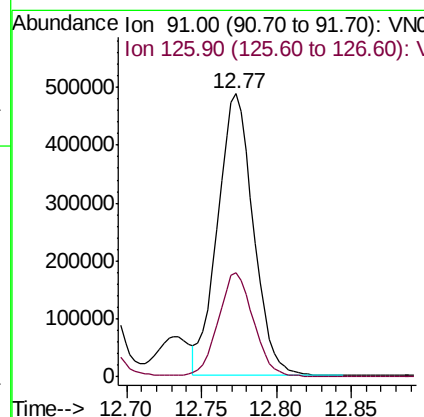
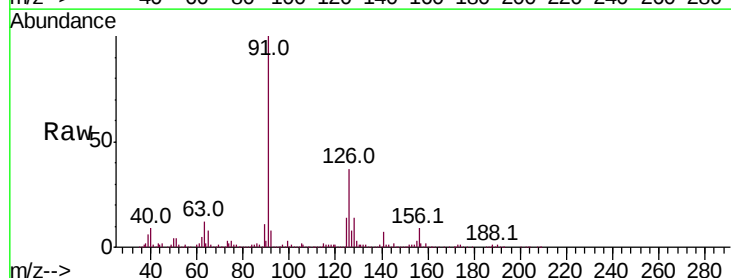
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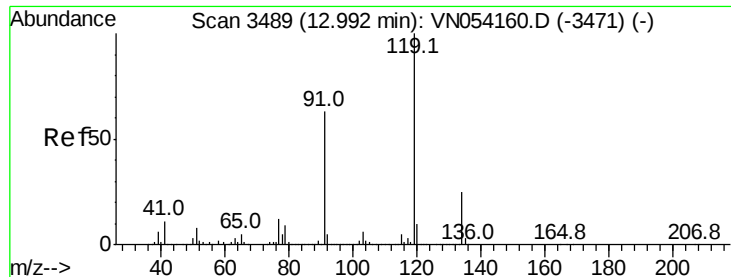
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#82
4-Chlorotoluene
Concen: 20.233 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.7	18.1	54.1





#83

tert-Butylbenzene

Concen: 20.069 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

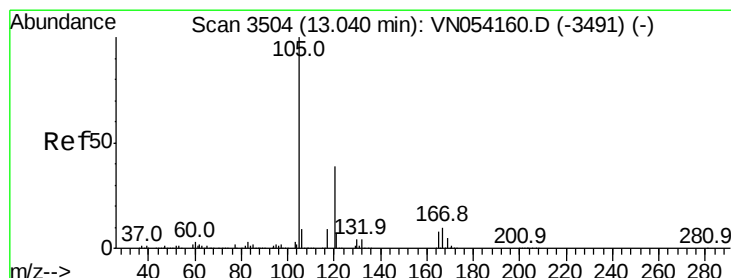
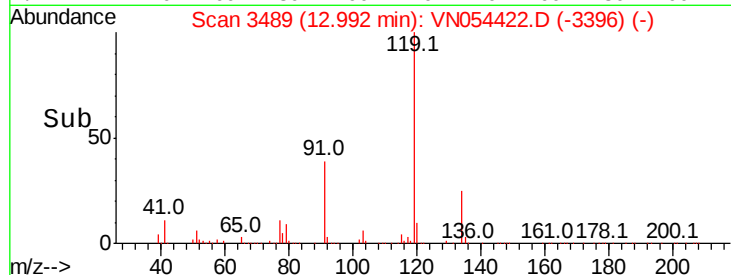
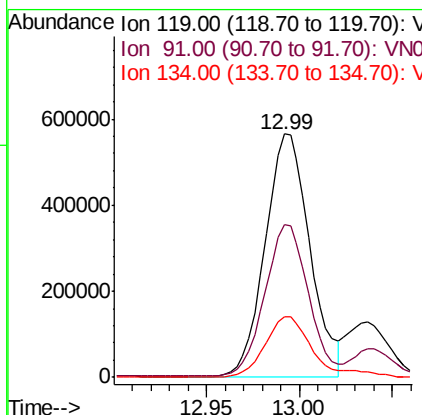
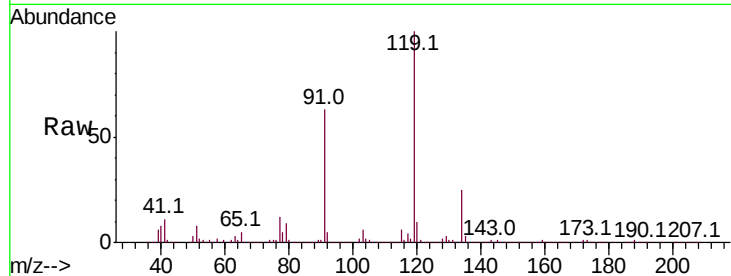
ClientSampleId :

VN0318WBSD02

Tot Ion:	119	Resp:	942952
Ion Ratio	Lower	Upper	
119	100		
91	60.5	30.9	92.8
134	26.7	13.2	39.6

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#84

1,2,4-Trimethylbenzene

Concen: 20.508 ug/l

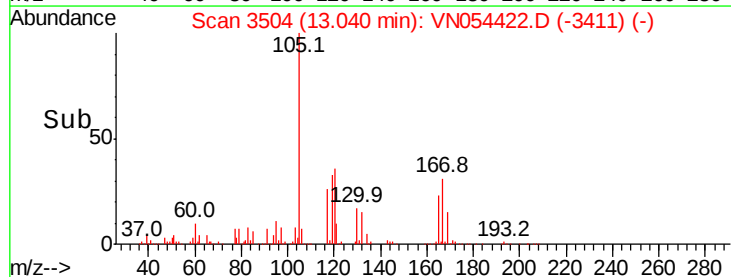
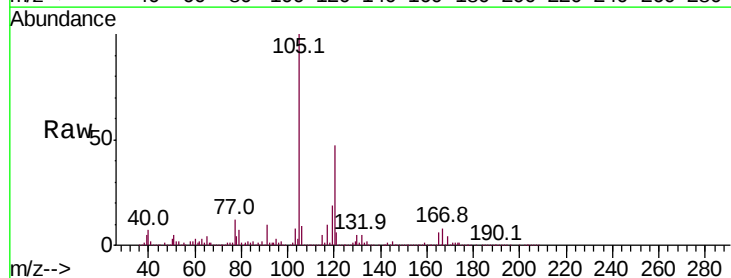
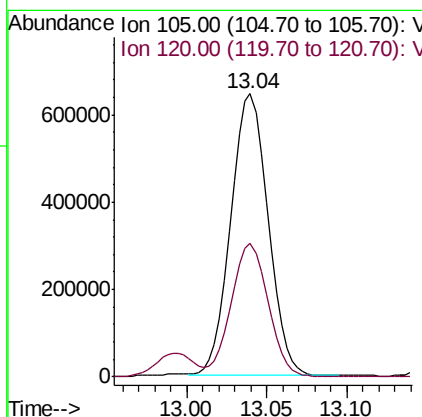
RT: 13.04 min Scan# 3504

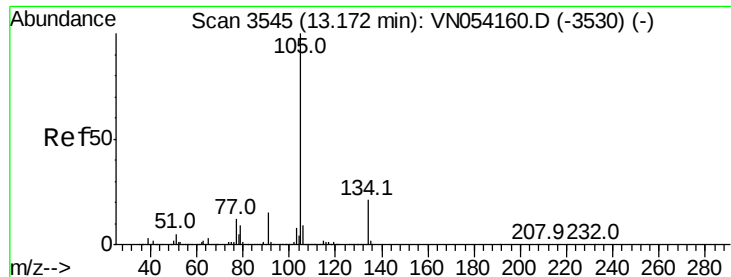
Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Tgt Ion:	105	Resp:	1027034
Ion Ratio	Lower	Upper	
105	100		
120	46.7	23.4	70.3





#85

sec-Butylbenzene

Concen: 19.424 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion:105 Resp: 1183559

Ion Ratio Lower Upper

105 100

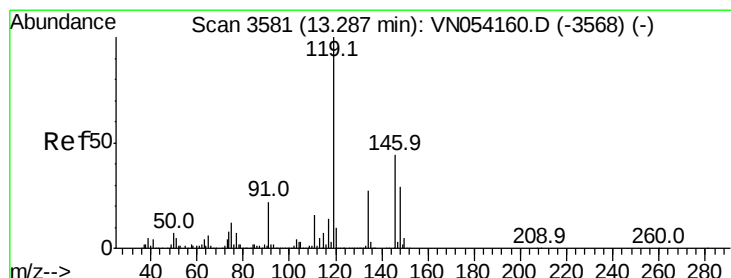
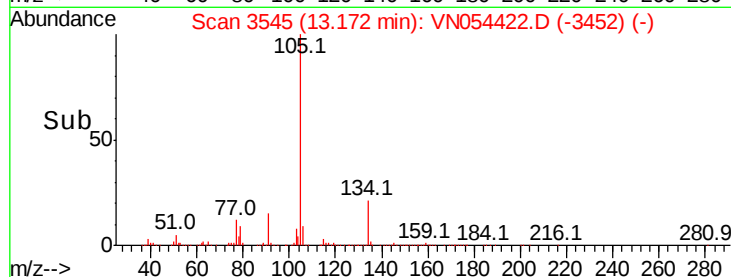
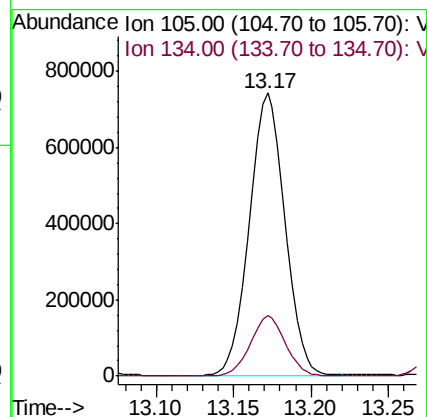
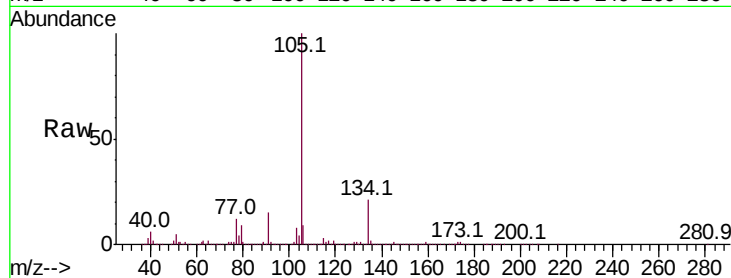
134 21.1 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 19.567 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

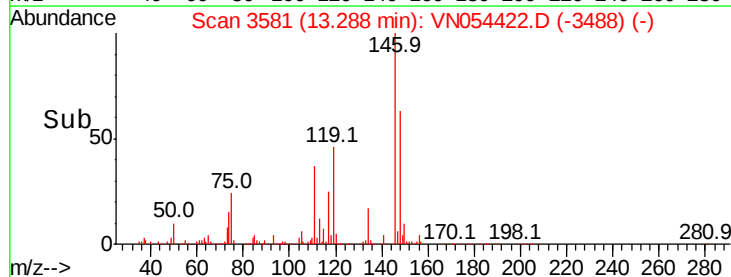
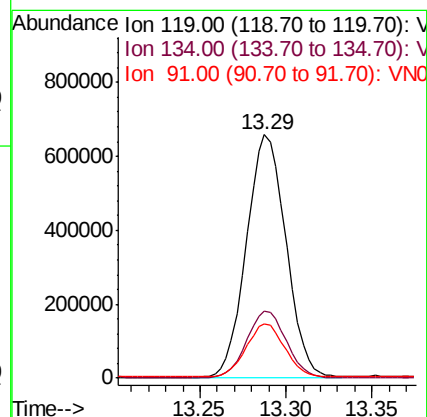
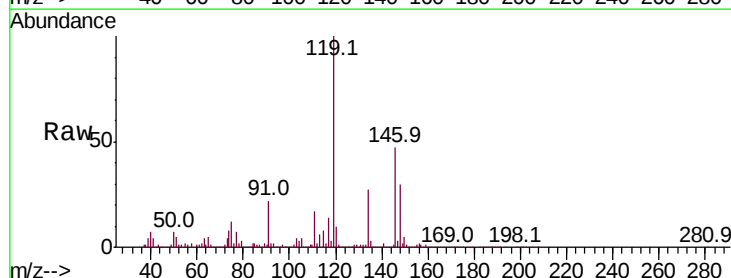
Tgt Ion:119 Resp: 1045976

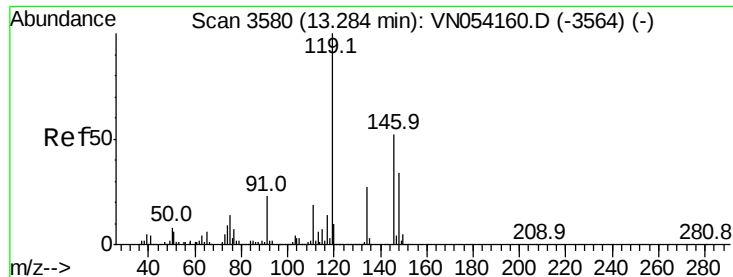
Ion Ratio Lower Upper

119 100

134 27.6 13.6 40.8

91 21.7 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 20.288 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054422.D

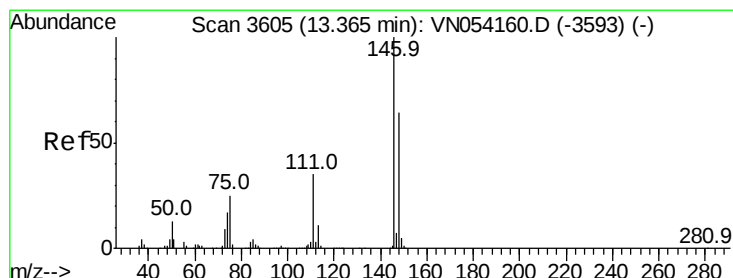
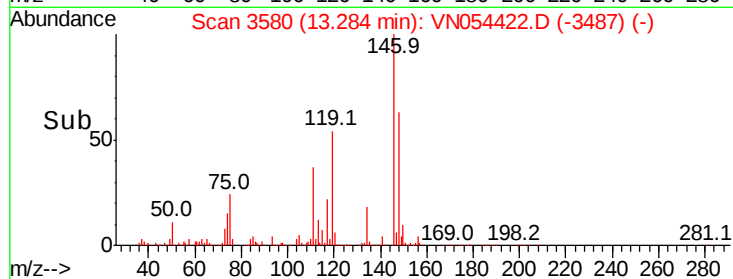
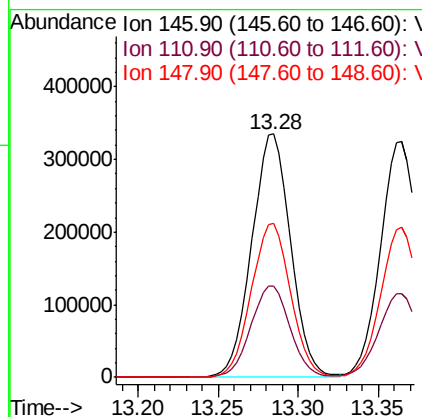
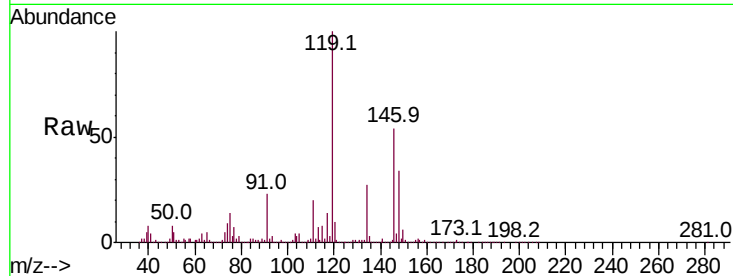
Acq: 19 Mar 2019 5:02

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	555145		
111	37.5	18.8	56.3	
148	64.2	32.2	96.6	

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#88

1,4-Dichlorobenzene

Concen: 20.056 ug/l

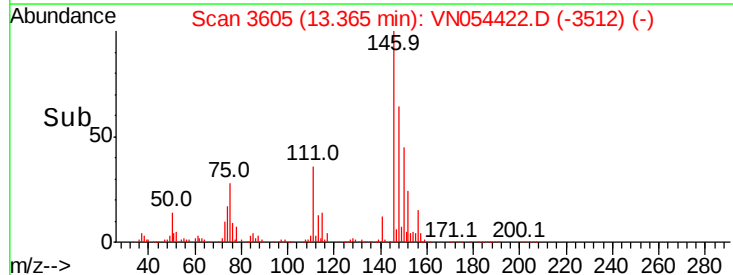
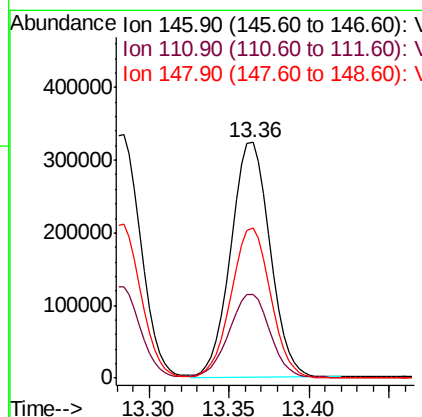
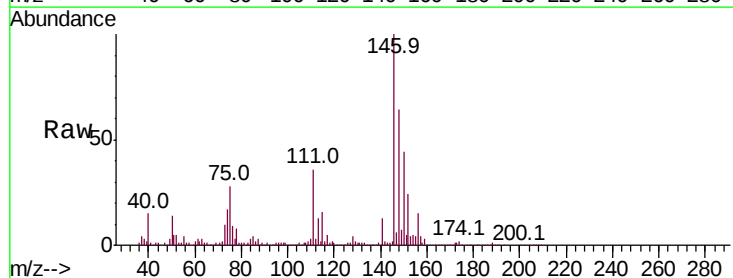
RT: 13.36 min Scan# 3605

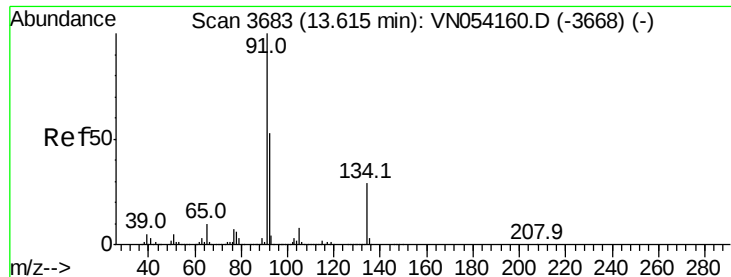
Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	539119		
111	37.2	18.1	54.1	
148	64.6	32.0	96.0	





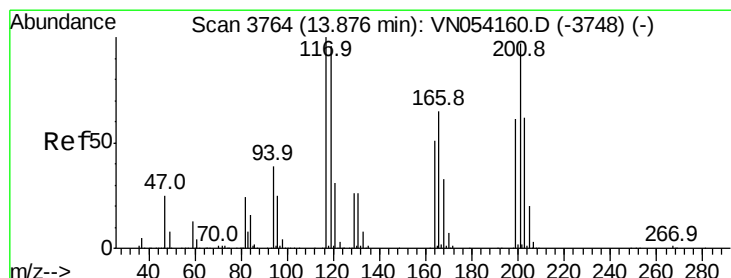
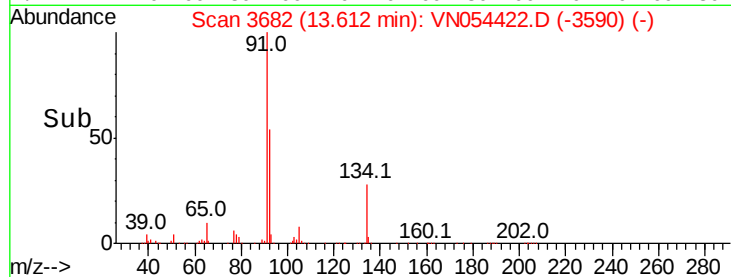
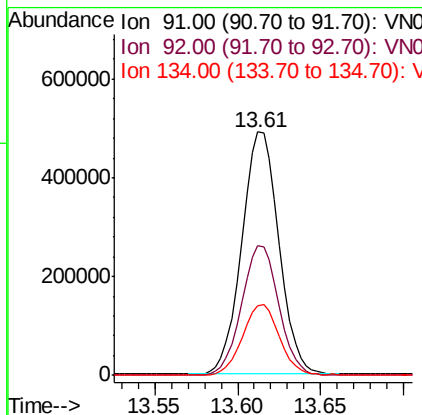
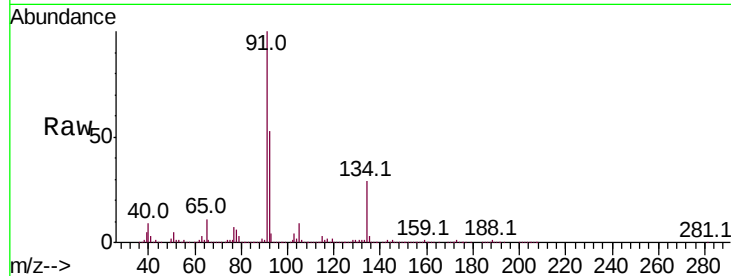
#89
n-Butylbenzene
Concen: 18.685 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.2	78.6
134	29.0	14.3	42.9

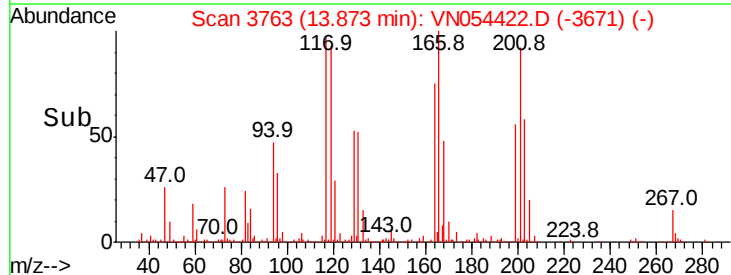
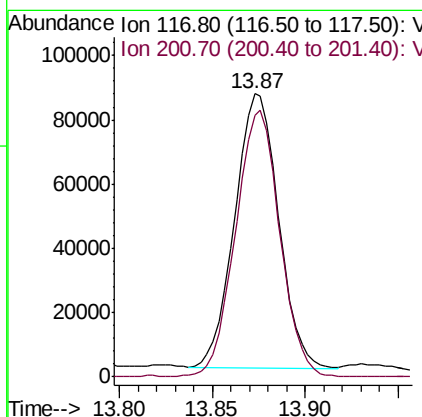
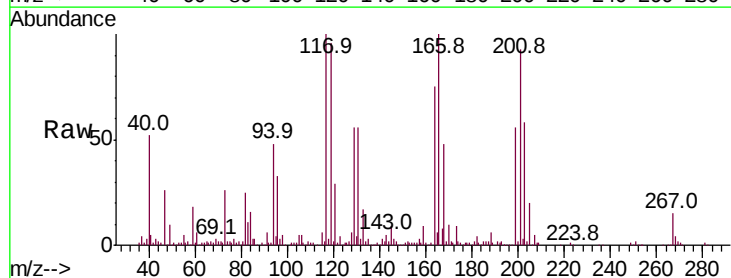
Manual Integrations
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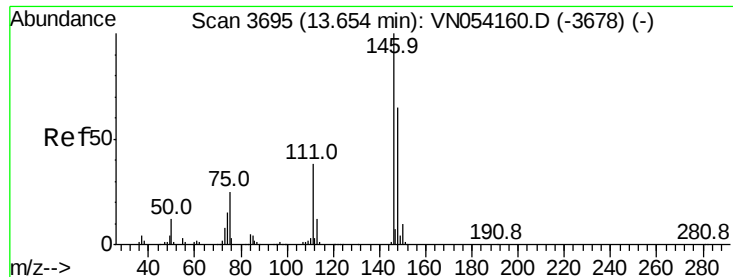
MMDadoda
3/19/2019 9:23:01 AM



#90
Hexachloroethane
Concen: 15.883 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.1	48.1	144.4





#91

1,2-Dichlorobenzene

Concen: 21.182 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

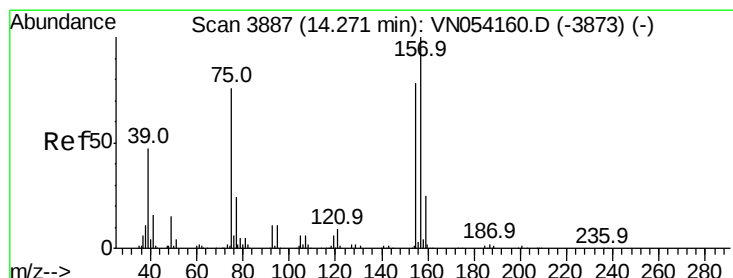
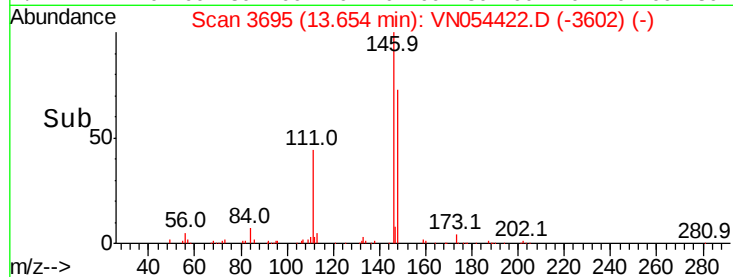
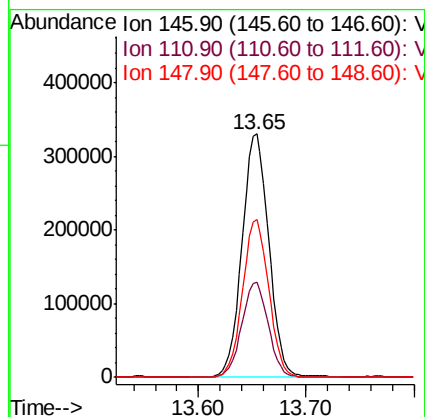
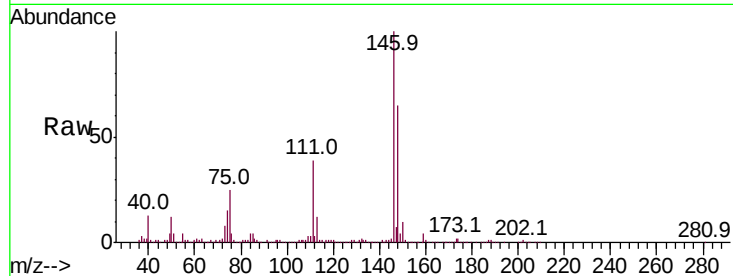
ClientSampleId :

VN0318WBSD02

Tot Ion:	146	Resp:	566621
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.1	57.3
148	63.6	32.4	97.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.546 ug/l

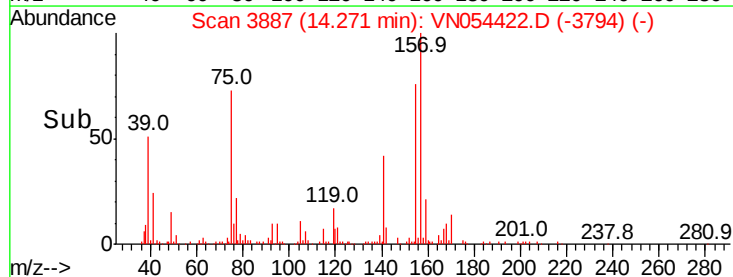
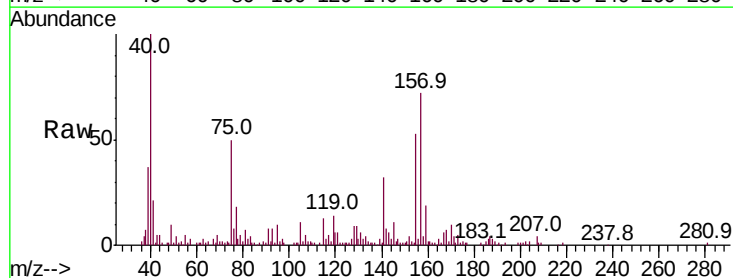
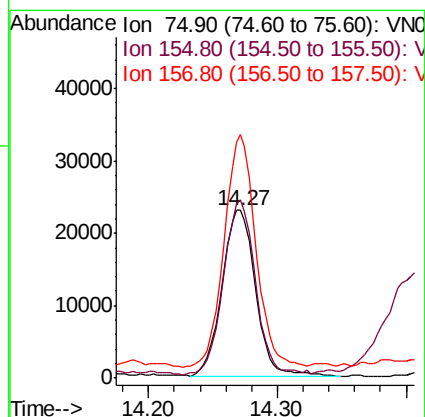
RT: 14.27 min Scan# 3887

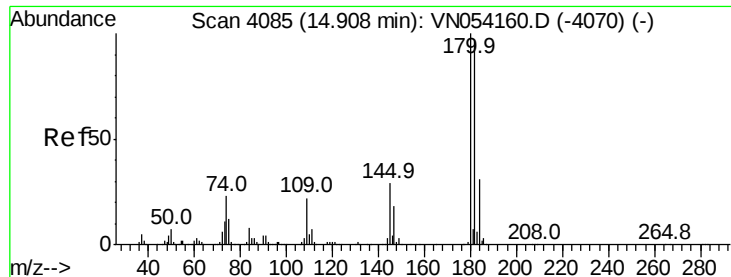
Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Tgt Ion:	75	Resp:	41569
Ion Ratio	Lower	Upper	
75	100		
155	99.5	50.1	150.3
157	130.3	63.1	189.3





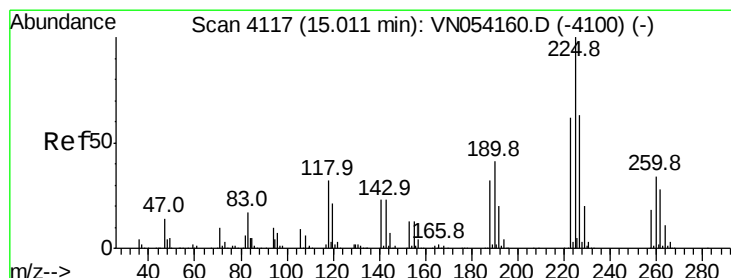
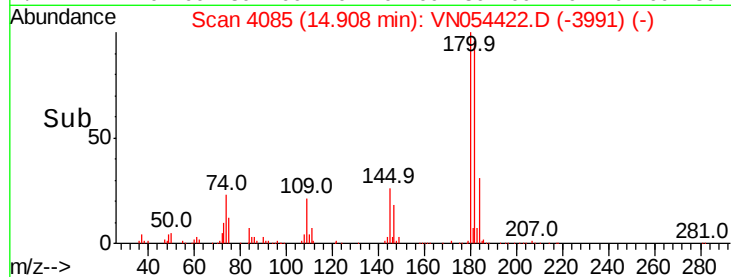
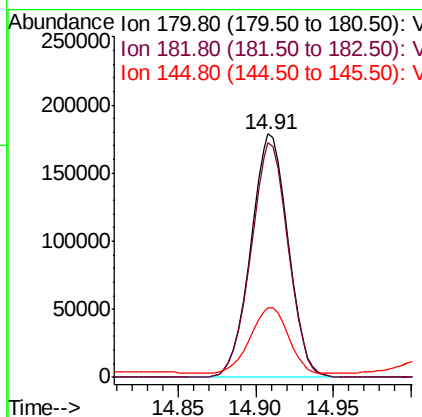
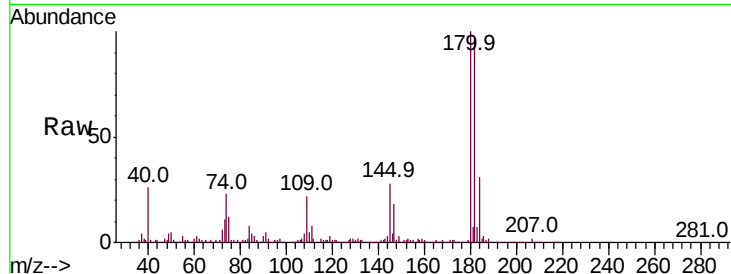
#93
 1,2,4-Trichlorobenzene
 Concen: 20.146 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054422.D
 Acq: 19 Mar 2019 5:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	299799		
182	95.9	48.0	144.2	
145	27.4	14.2	42.8	

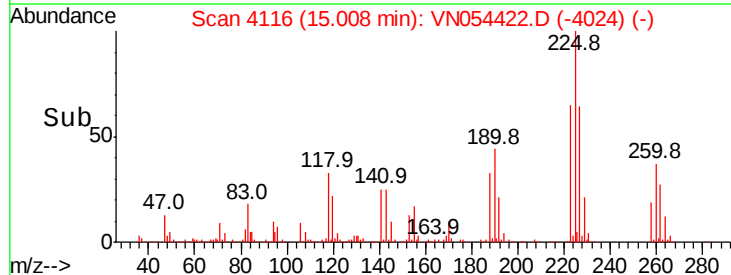
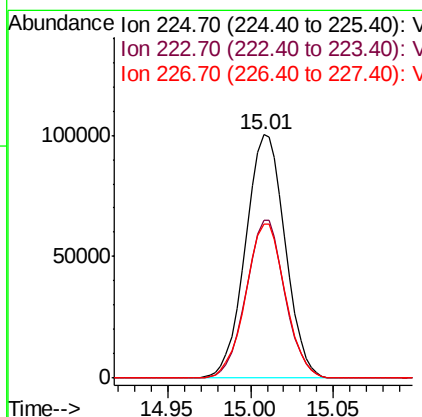
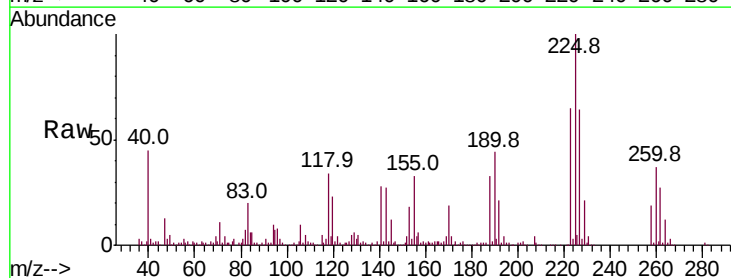
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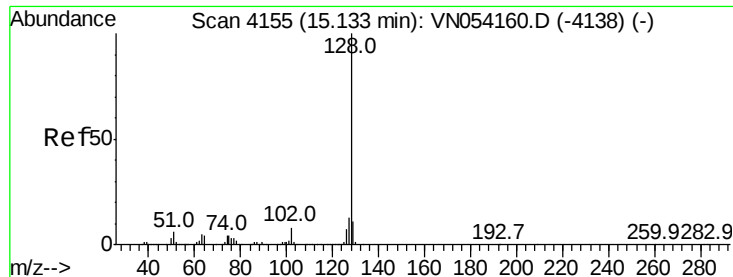
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#94
 Hexachlorobutadiene
 Concen: 16.415 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054422.D
 Acq: 19 Mar 2019 5:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	167259		
223	63.2	31.1	93.5	
227	62.9	31.9	95.9	





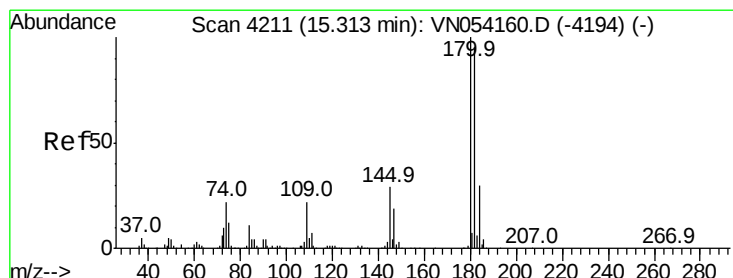
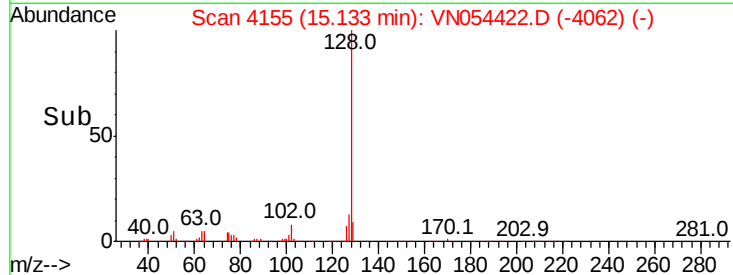
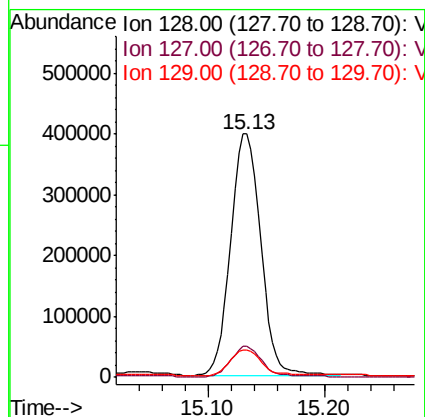
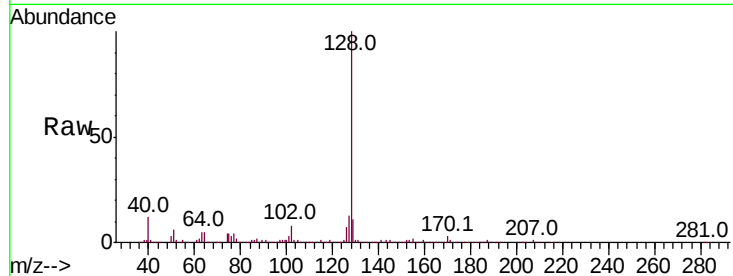
#95
Naphthalene
Concen: 23.147 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.1	15.1
129	11.7	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 22.344 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.5	142.6
145	29.6	14.8	44.3

