

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050819\
 Data File : VN055480.D
 Acq On : 8 May 2019 17:24
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/9/2019 6:32:52 PM

Quant Time: May 09 04:00:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 03:36:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	711208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1256737	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1075926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	415030	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	231012	24.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.14%	
35) Dibromofluoromethane	7.59	113	172359	20.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.66%	
50) Toluene-d8	10.09	98	675268	22.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.48%	
62) 4-Bromofluorobenzene	12.40	95	222476	23.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	145456	17.446	ug/l	99
3) Chloromethane	2.06	50	238342	21.929	ug/l	99
4) Vinyl Chloride	2.19	62	228247	25.203	ug/l	99
5) Bromomethane	2.55	94	125006	25.767	ug/l	99
6) Chloroethane	2.69	64	134850	27.102	ug/l	96
7) Trichlorofluoromethane	3.01	101	251227	20.329	ug/l	97
8) Diethyl Ether	3.41	74	111800	24.877	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	156938	21.182	ug/l	99
10) Methyl Iodide	3.95	142	223233	21.467	ug/l	100
11) Tert butyl alcohol	4.82	59	164307	219.672	ug/l	98
12) 1,1-Dichloroethene	3.73	96	159382	22.300	ug/l	99
13) Acrolein	3.61	56	106031	197.643	ug/l	100
14) Allyl chloride	4.32	41	324552	21.928	ug/l	99
15) Acrylonitrile	5.00	53	527408	159.041	ug/l	99
16) Acetone	3.82	43	521063	160.692	ug/l	98
17) Carbon Disulfide	4.04	76	427636	22.823	ug/l	100
18) Methyl Acetate	4.33	43	221548	24.718	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	534097	25.814	ug/l	99
20) Methylene Chloride	4.55	84	202121	22.331	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	173249	22.818	ug/l	93
22) Diisopropyl ether	5.96	45	680875	23.028	ug/l	97
23) Vinyl Acetate	5.90	43	2672063	133.588	ug/l	99
24) 1,1-Dichloroethane	5.85	63	357132	22.670	ug/l	100
25) 2-Butanone	6.85	43	744969	174.881	ug/l	100
26) 2,2-Dichloropropane	6.82	77	225337	21.011	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	201054	23.161	ug/l	99
28) Bromochloromethane	7.20	49	197440	24.580	ug/l	99
29) Tetrahydrofuran	7.22	42	478332	175.272	ug/l	99
30) Chloroform	7.37	83	332161	22.324	ug/l	96
31) Cyclohexane	7.65	56	349831	23.154	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	253226	21.155	ug/l	99
36) 1,1-Dichloropropene	7.79	75	250411	20.481	ug/l	99
37) Ethyl Acetate	6.94	43	288346	28.607	ug/l	99
38) Carbon Tetrachloride	7.77	117	205109	17.888	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	299842	22.761	ug/l	99
40) Benzene	8.04	78	789197	21.841	ug/l	100
41) Methacrylonitrile	7.18	41	132727	25.486	ug/l	96
42) 1,2-Dichloroethane	8.13	62	270937	21.265	ug/l	100
43) Isopropyl Acetate	8.17	43	426576	26.781	ug/l	99
44) Trichloroethene	8.84	130	180848	19.875	ug/l	97
45) 1,2-Dichloropropane	9.12	63	221992	21.380	ug/l	99
46) Dibromomethane	9.21	93	129457	22.540	ug/l	99
47) Bromodichloromethane	9.40	83	246384	20.389	ug/l	98
48) Methyl methacrylate	9.20	41	201164	25.839	ug/l	99
49) 1,4-Dioxane	9.20	88	79816	825.359	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1398448	150.436	ug/l	99
52) Toluene	10.16	92	460373	22.184	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	238884	22.398	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	287276	21.759	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	184224	23.616	ug/l	98
56) Ethyl methacrylate	10.43	69	267886	26.843	ug/l	100
57) 1,3-Dichloropropane	10.71	76	325040	23.660	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	360249	133.031	ug/l	99
59) 2-Hexanone	10.75	43	989597	165.141	ug/l	99
60) Dibromochloromethane	10.90	129	167679	21.499	ug/l	98
61) 1,2-Dibromoethane	11.00	107	175689	24.133	ug/l	99
64) Tetrachloroethene	10.63	164	177092	20.010	ug/l	99
65) Chlorobenzene	11.43	112	446922	20.973	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	156549	19.117	ug/l	98
67) Ethyl Benzene	11.51	91	844445	21.846	ug/l	100
68) m/p-Xylenes	11.62	106	612682	44.301	ug/l	99
69) o-Xylene	11.95	106	299897	21.872	ug/l	100
70) Styrene	11.96	104	494855	23.382	ug/l	99
71) Bromoform	12.13	173	107337	22.958	ug/l #	98
73) Isopropylbenzene	12.25	105	803889	19.291	ug/l	99
74) N-amyl acetate	12.07	43	325279	28.285	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	256692	23.272	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	221594m	22.355	ug/l	
77) Bromobenzene	12.53	156	174943	18.561	ug/l	98
78) n-propylbenzene	12.59	91	897039	20.794	ug/l	100
79) 2-Chlorotoluene	12.67	91	553666	20.069	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	661652	20.065	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	62090	26.132	ug/l	95
82) 4-Chlorotoluene	12.77	91	521967	20.735	ug/l	100
83) tert-Butylbenzene	12.99	119	568956	19.311	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	626363	21.245	ug/l	99
85) sec-Butylbenzene	13.17	105	757004	21.049	ug/l	100
86) p-Isopropyltoluene	13.29	119	625040	21.176	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	288537	20.552	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	279255	21.110	ug/l	98
89) n-Butylbenzene	13.62	91	481010	22.602	ug/l	100
90) Hexachloroethane	13.87	117	99342	18.102	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	289279	20.769	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38863	31.895	ug/l	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	95250	21.432	ug/l	99
94) Hexachlorobutadiene	15.01	225	96777	18.939	ug/l	99
95) Naphthalene	15.13	128	268443	26.019	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	109969	23.606	ug/l	100

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

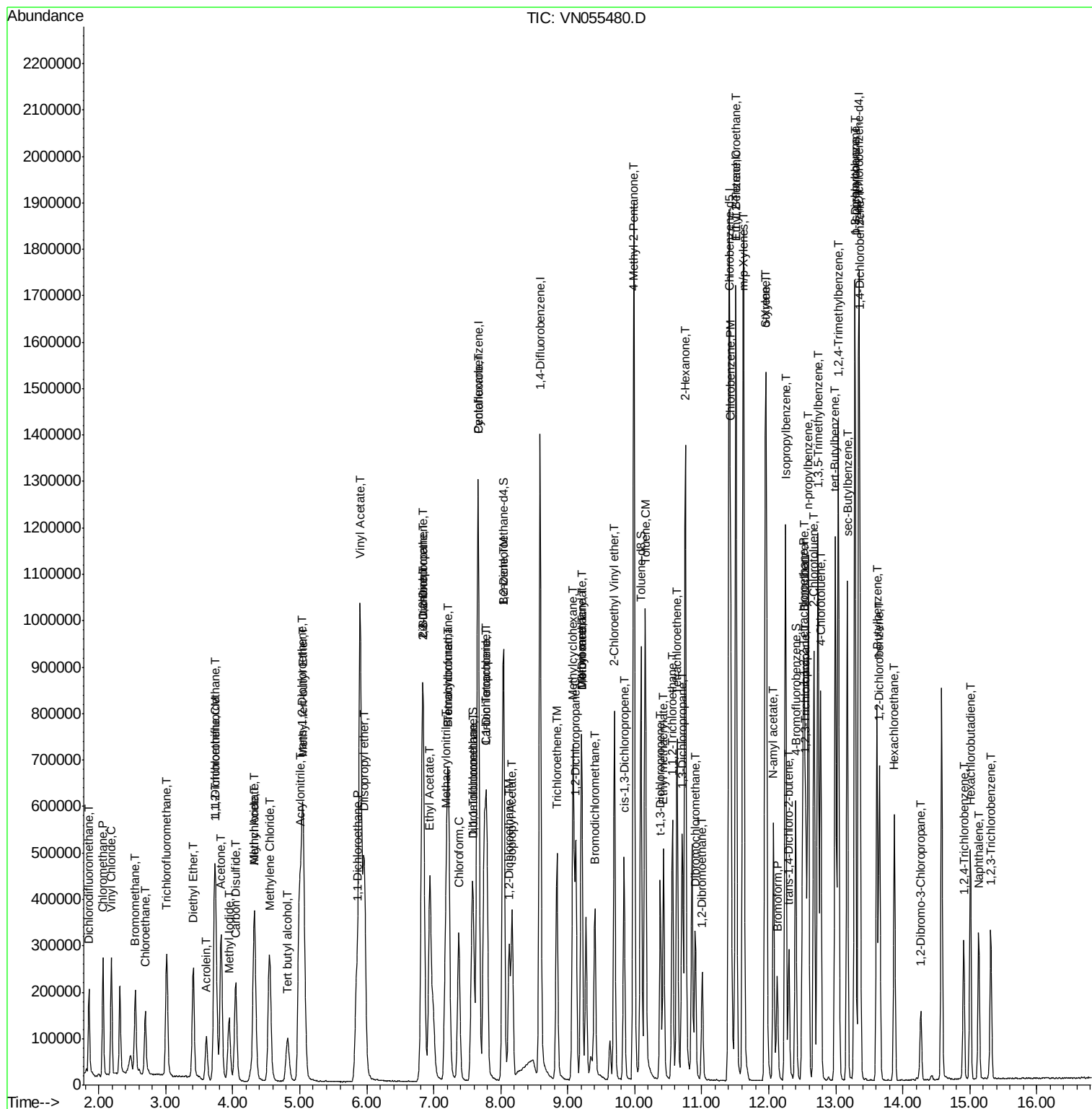
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Data File : VN055480.D
Acq On : 8 May 2019 17:24
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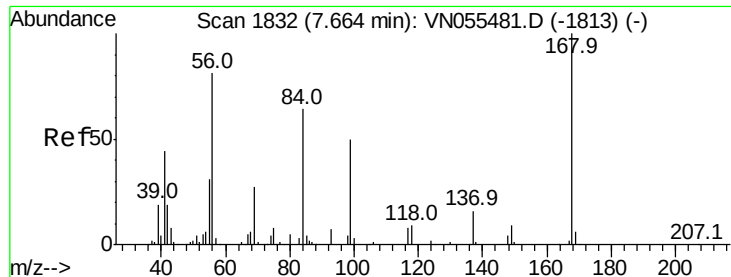
Instrument :
MSVOA_N
Client Sampled :
VSTDIC020

Manual Integrations
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5/9/2019 6:32:52 PM

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Quant Title : SW846 8260
QLast Update : Thu May 09 03:36:06 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 711208

Ion Ratio Lower Upper

168 100

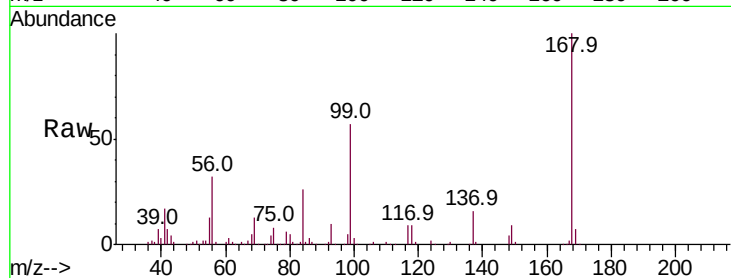
99 55.5 47.0 70.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

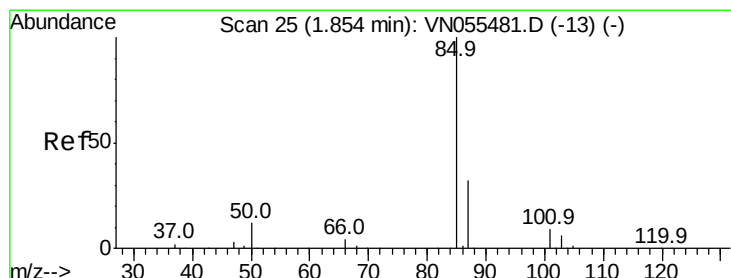
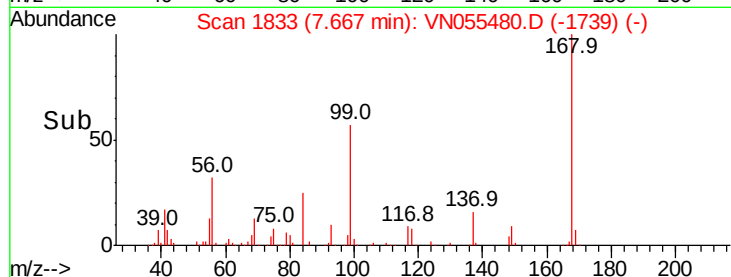
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.446 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055480.D

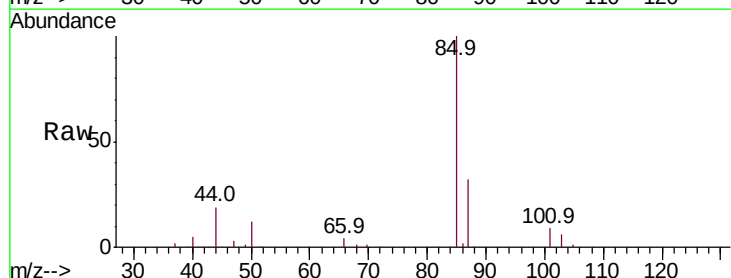
Acq: 8 May 2019 17:24

Tgt Ion: 85 Resp: 145456

Ion Ratio Lower Upper

85 100

87 31.7 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

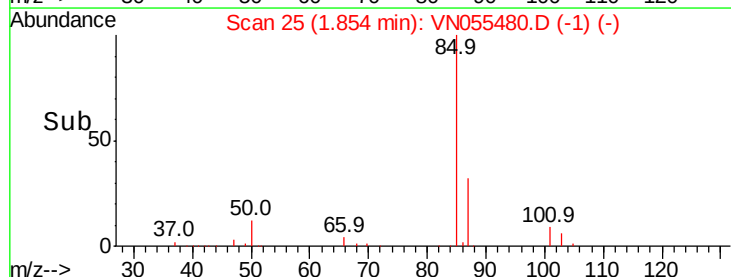
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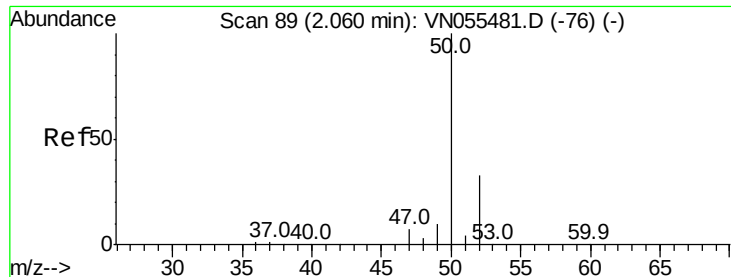
40000

20000

0

Time-->





#3

Chloromethane

Concen: 21.929 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 238342

Ion Ratio Lower Upper

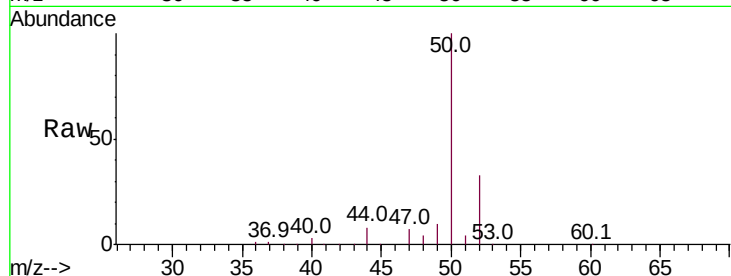
50 100

52 32.9 26.6 39.8

Manual Integrations
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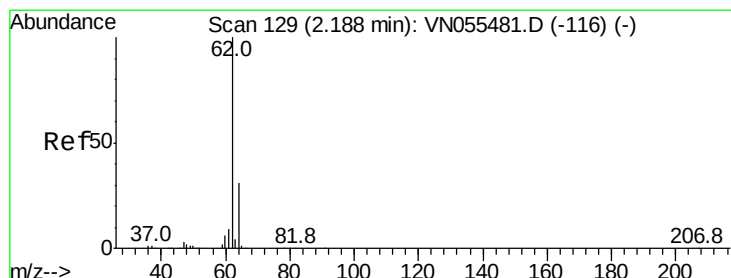
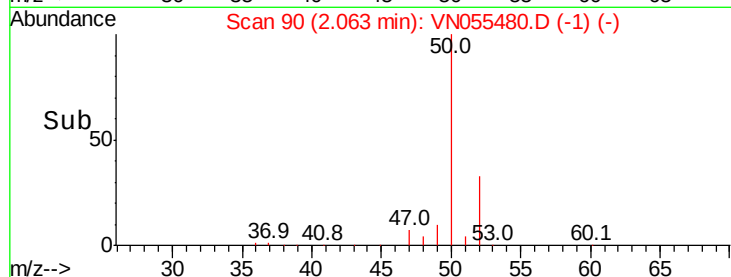
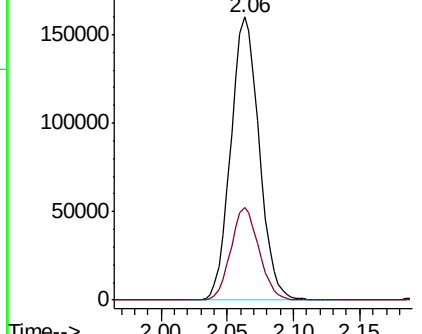
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 25.203 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055480.D

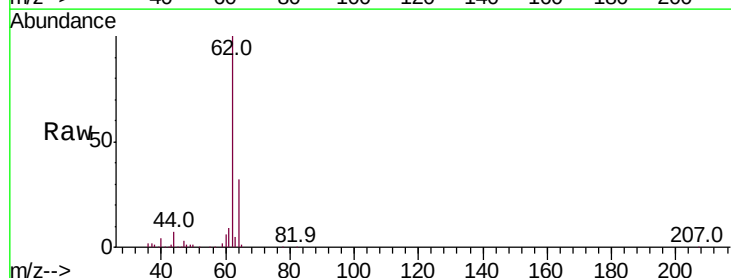
Acq: 8 May 2019 17:24

Tgt Ion: 62 Resp: 228247

Ion Ratio Lower Upper

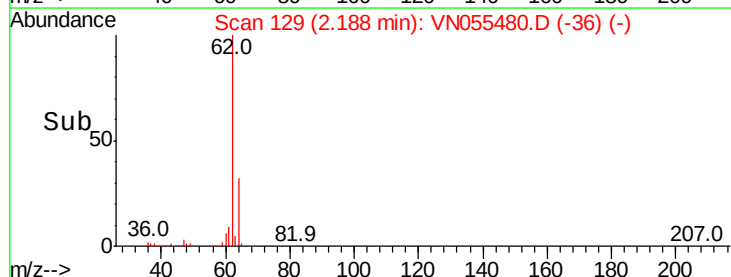
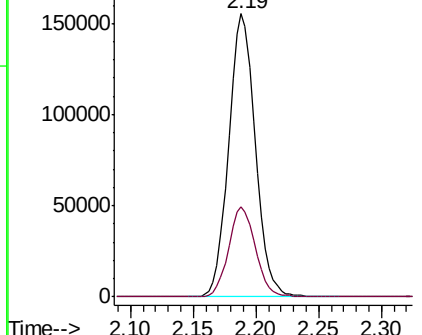
62 100

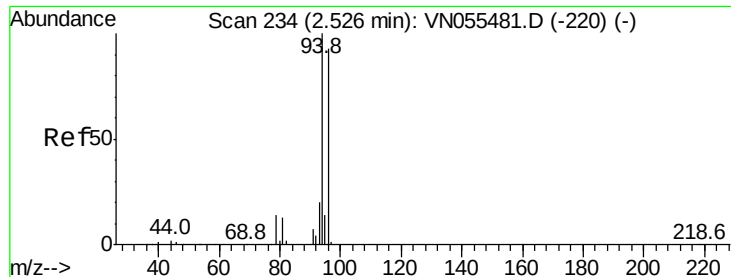
64 31.6 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 25.767 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

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Tot Ion: 94 Resp: 125006

Ion Ratio Lower Upper

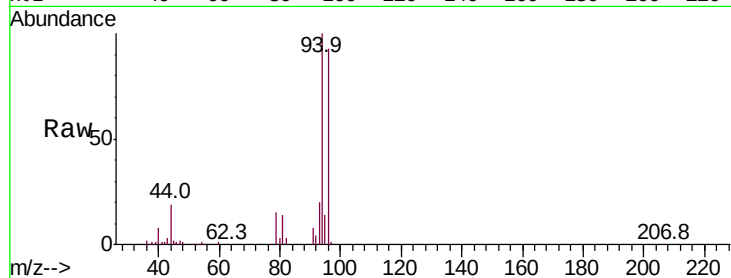
94 100

96 92.6 74.8 112.2

Manual Integrations
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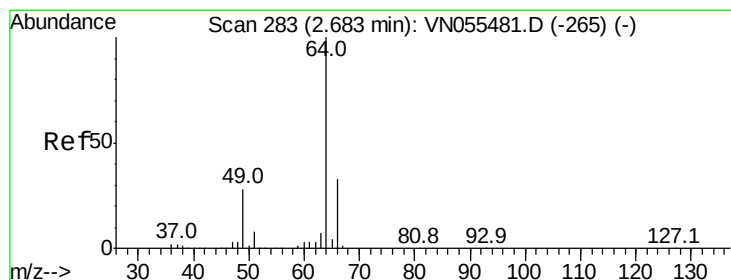
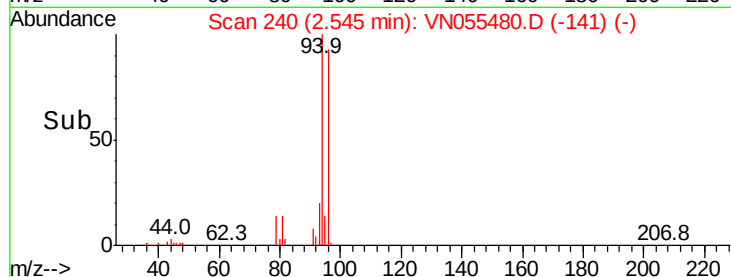
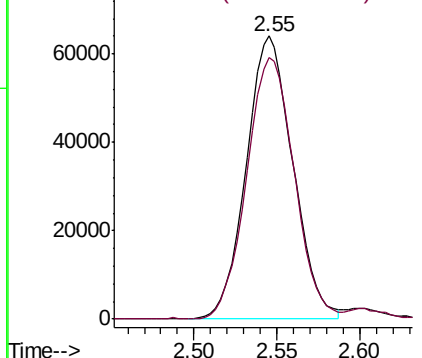
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 27.102 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN055480.D

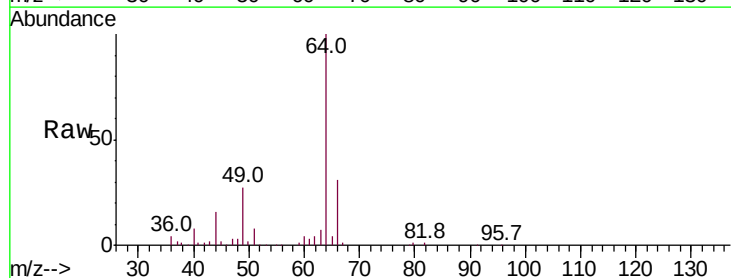
Acq: 8 May 2019 17:24

Tgt Ion: 64 Resp: 134850

Ion Ratio Lower Upper

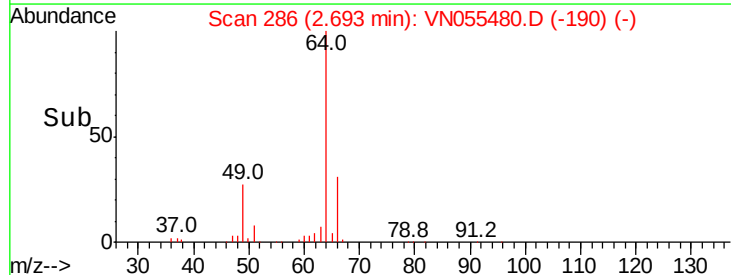
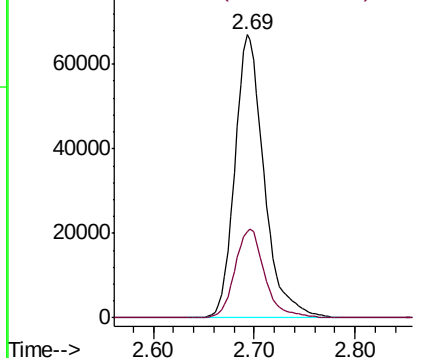
64 100

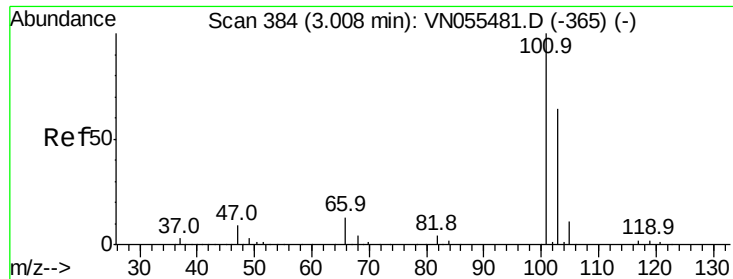
66 30.6 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

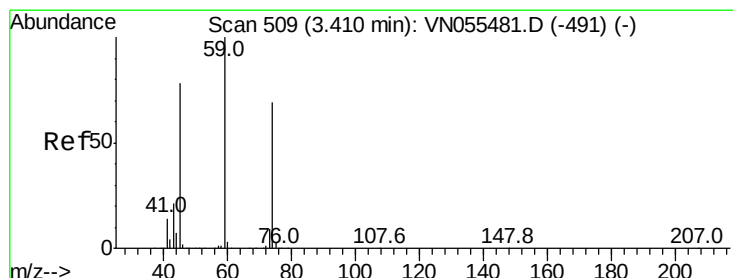
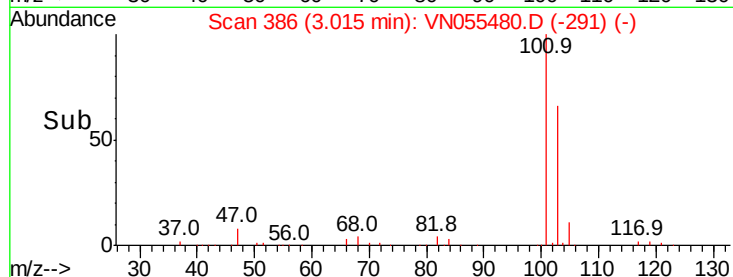
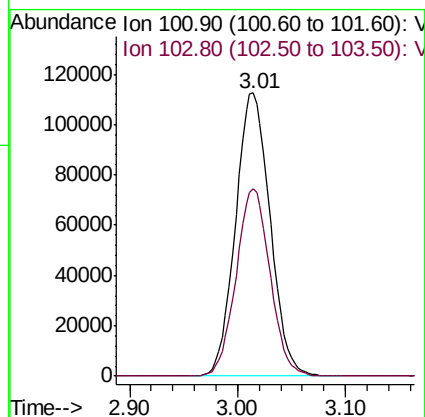
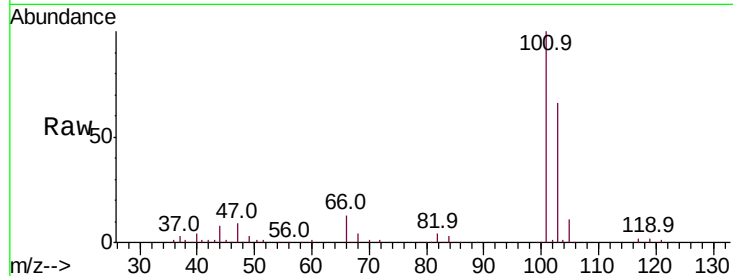
Trichlorofluoromethane
Concen: 20.329 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.01 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:101 Resp: 251227
Ion Ratio Lower Upper
101 100
103 66.2 51.2 76.8

Manual Integrations
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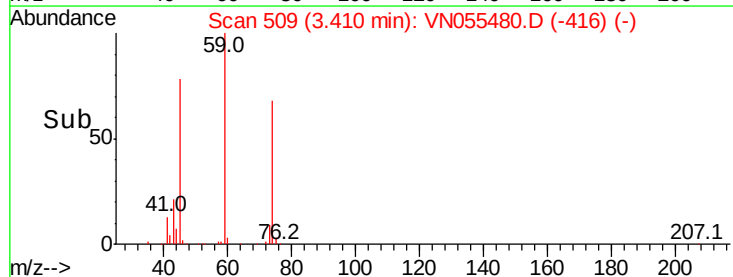
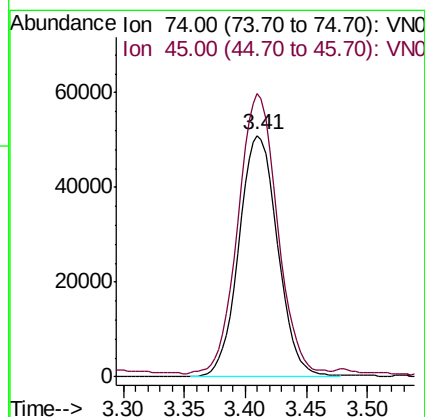
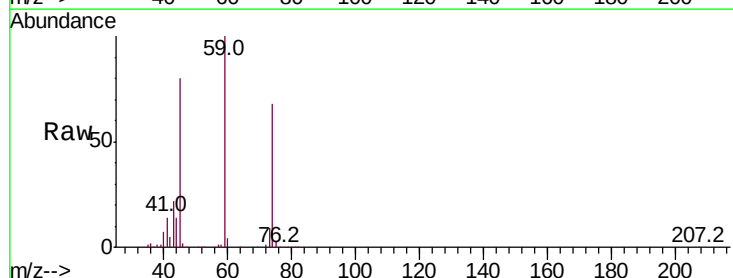
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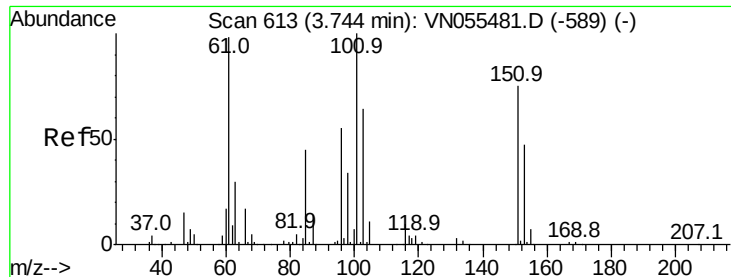


#8

Diethyl Ether
Concen: 24.877 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion: 74 Resp: 111800
Ion Ratio Lower Upper
74 100
45 117.3 58.1 174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.182 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

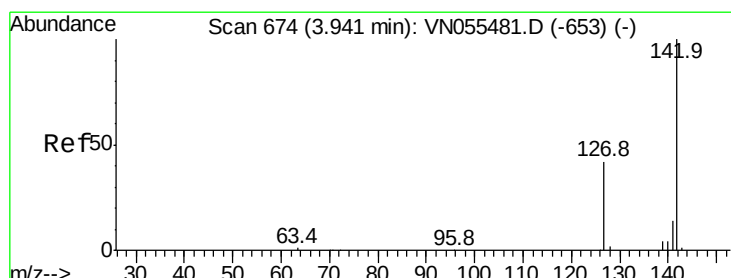
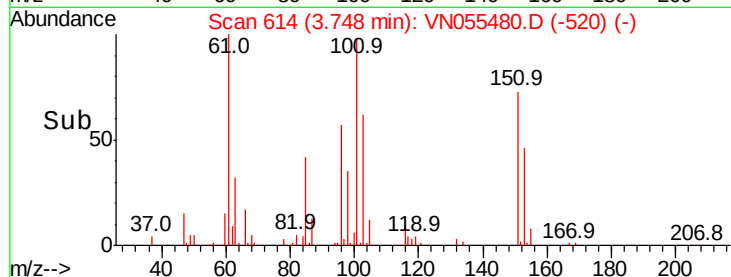
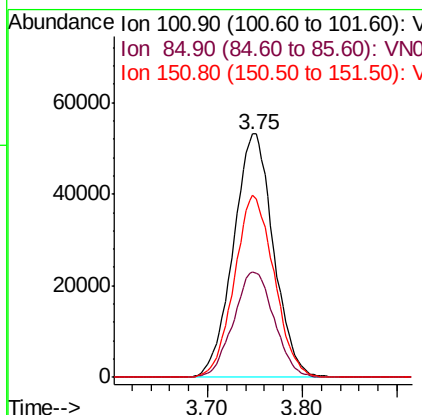
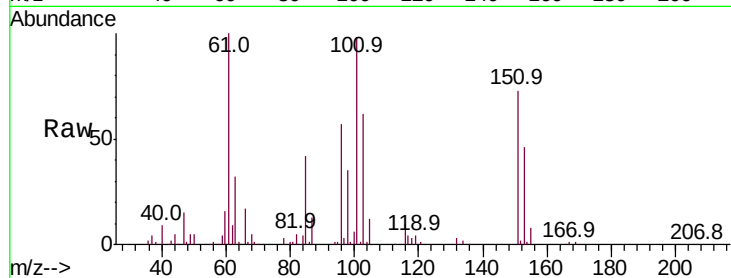
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	156938
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.5	53.3
151	73.8	59.2	88.8

Manual Integrations
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#10

Methyl Iodide

Concen: 21.467 ug/l

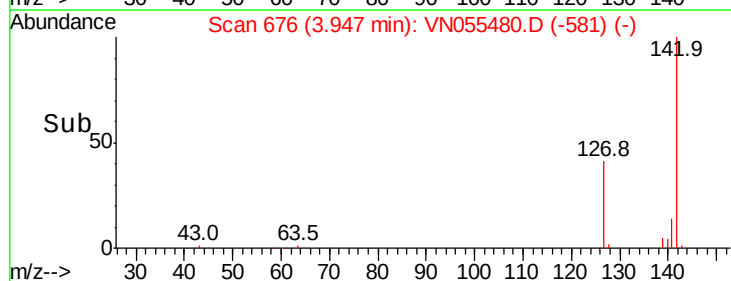
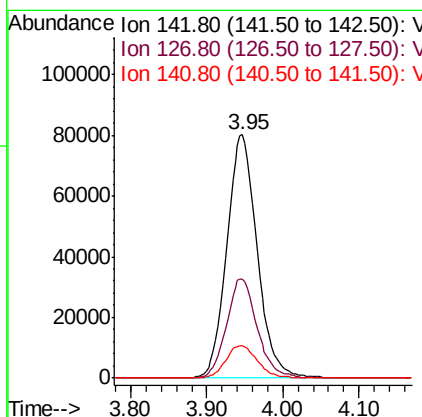
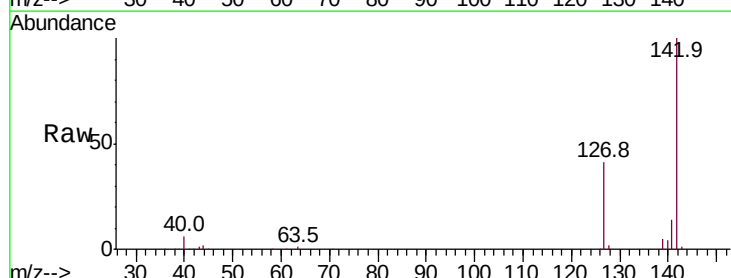
RT: 3.95 min Scan# 676

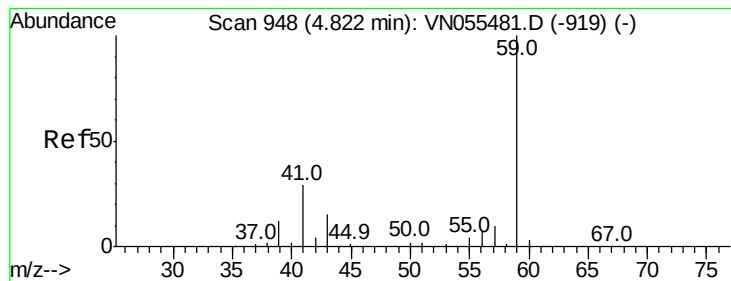
Delta R.T. 0.01 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Tgt Ion:	142	Resp:	223233
Ion Ratio	Lower	Upper	
142	100		
127	41.1	33.0	49.4
141	13.9	11.4	17.0





#11

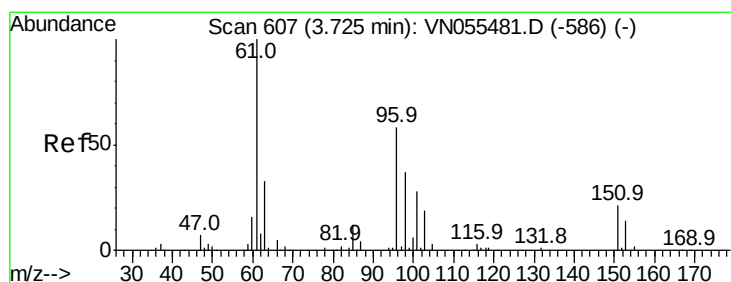
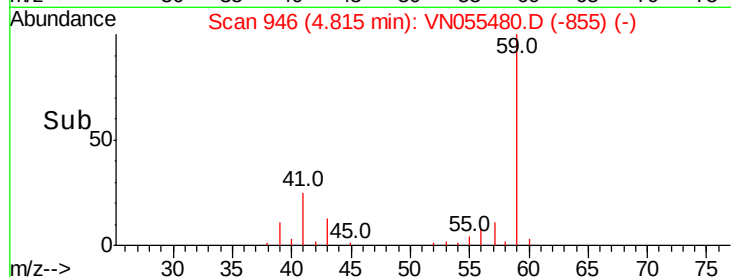
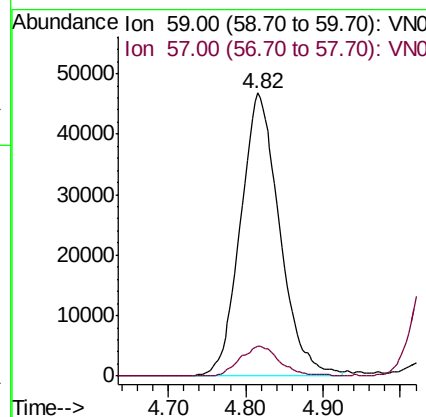
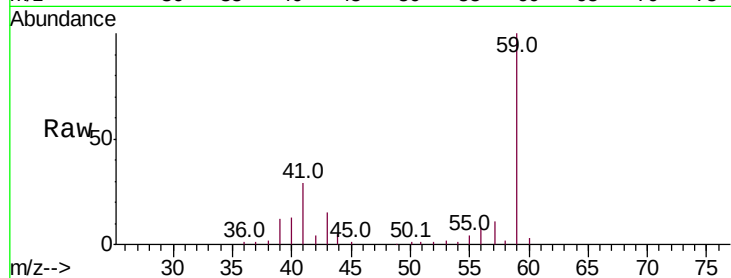
Tert butyl alcohol
Concen: 219.672 ug/l
RT: 4.82 min Scan# 946
Delta R.T. -0.01 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	59	Resp	164307
Ion Ratio	100	Lower	Upper
57	10.7	8.0	12.0

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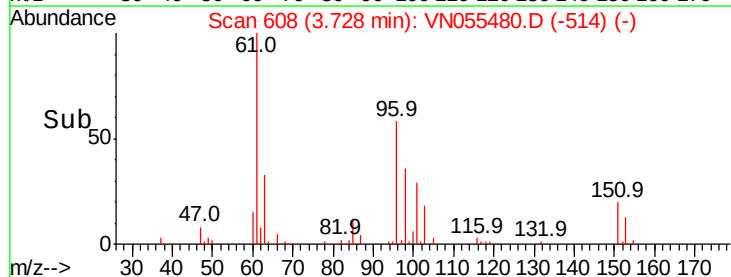
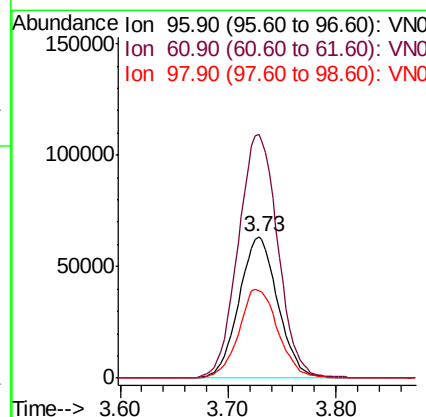
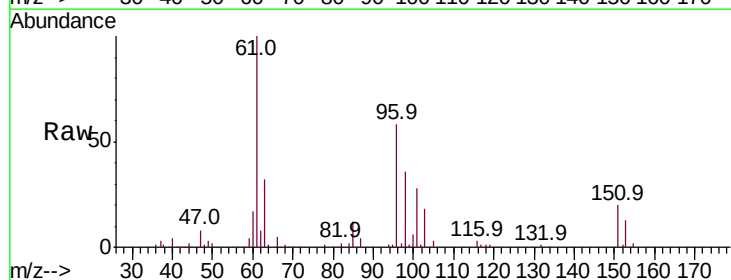
MMDadoda
5/9/2019 6:32:52 PM

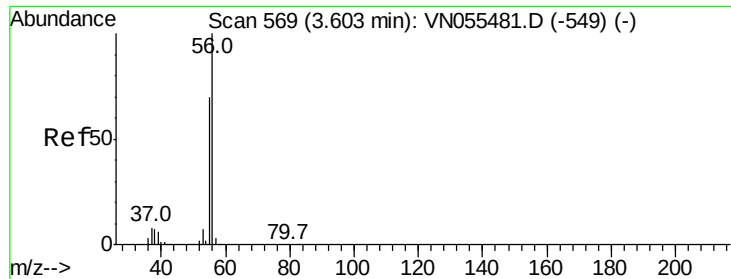


#12

1,1-Dichloroethene
Concen: 22.300 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion	96	Resp	159382
Ion Ratio	100	Lower	Upper
61	171.6	138.7	208.1
98	62.0	50.6	76.0





#13

Acrolein

Concen: 197.643 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 106031

Ion Ratio Lower Upper

56 100

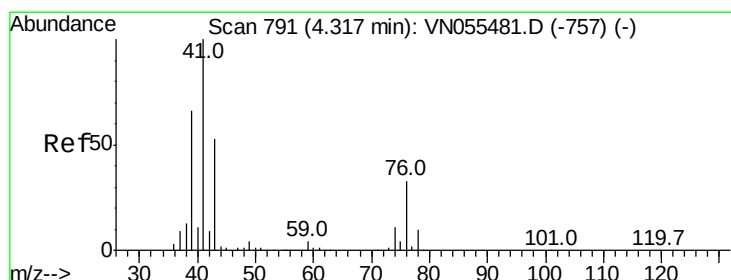
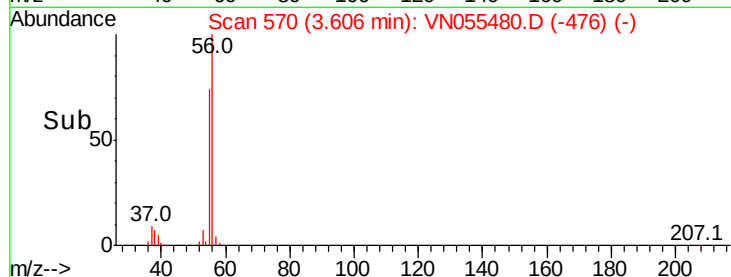
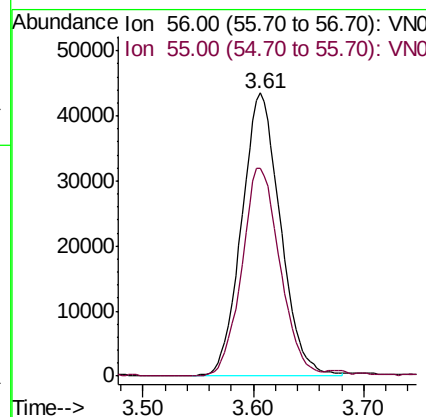
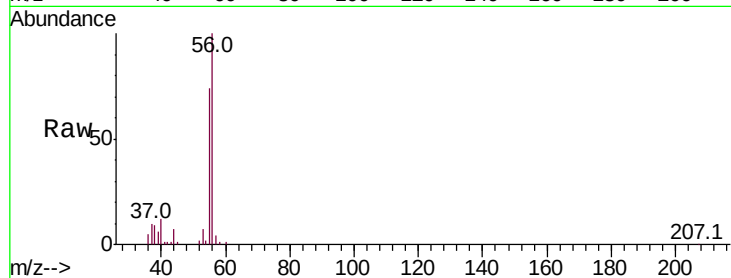
55 72.3 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 21.928 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

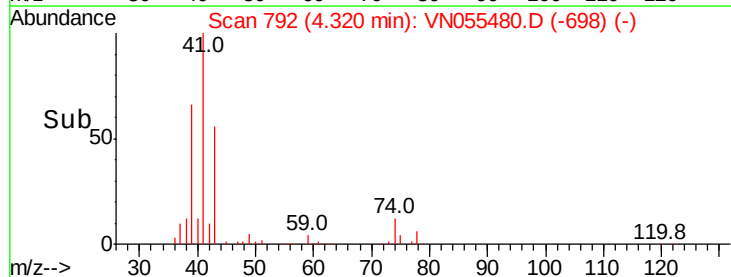
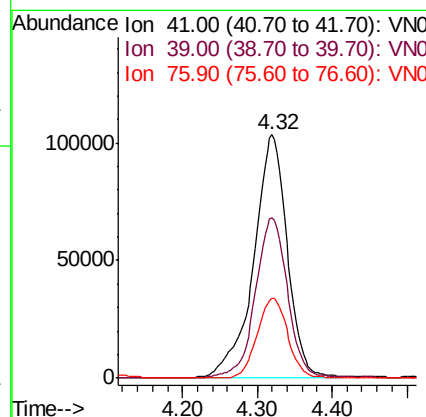
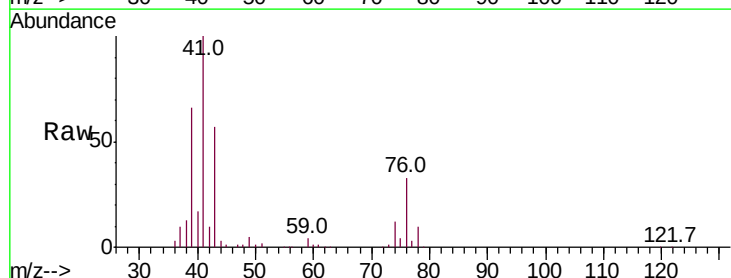
Tgt Ion: 41 Resp: 324552

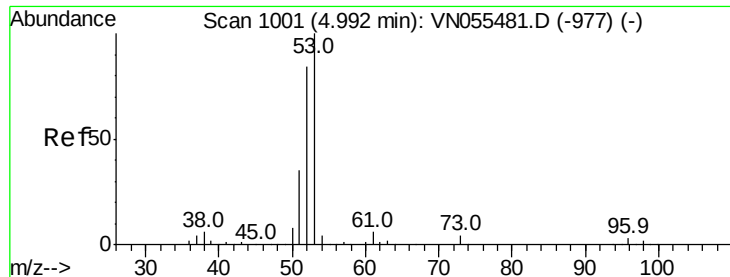
Ion Ratio Lower Upper

41 100

39 63.2 49.8 74.8

76 29.7 23.5 35.3





#15

Acrylonitrile

Concen: 159.041 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

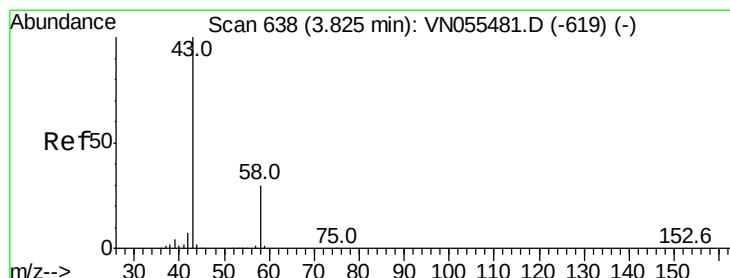
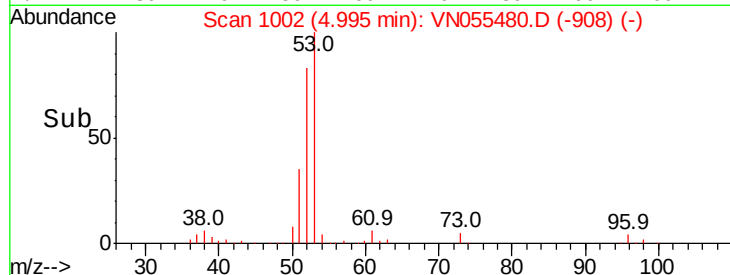
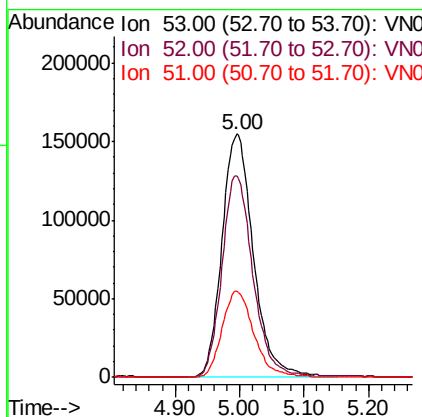
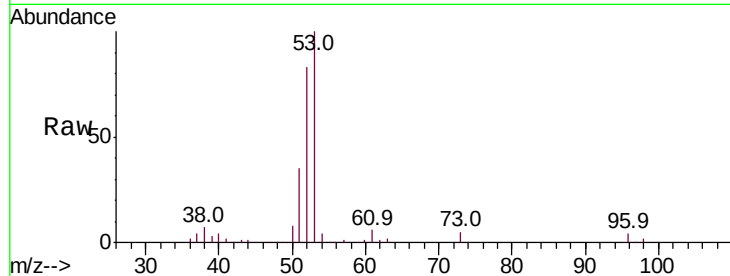
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	527408
Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.1	99.1
51	35.9	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 160.692 ug/l

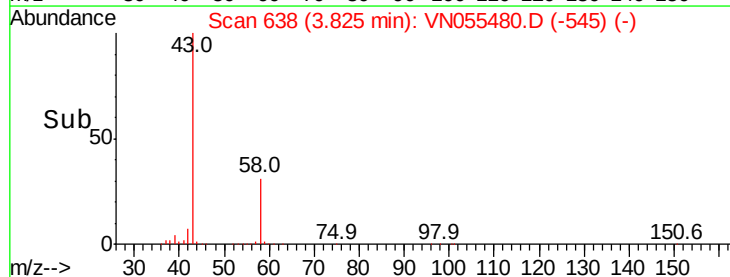
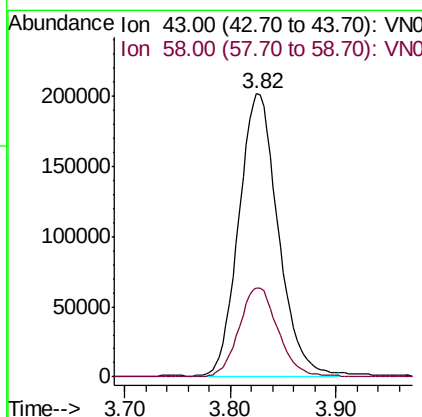
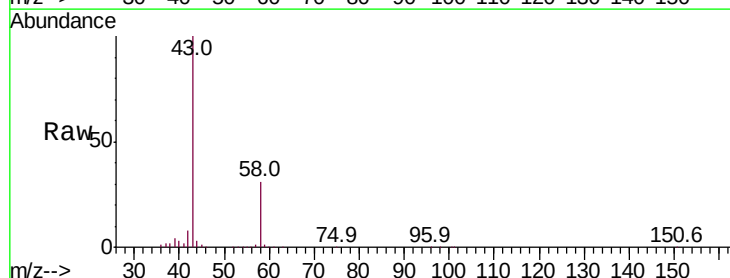
RT: 3.82 min Scan# 638

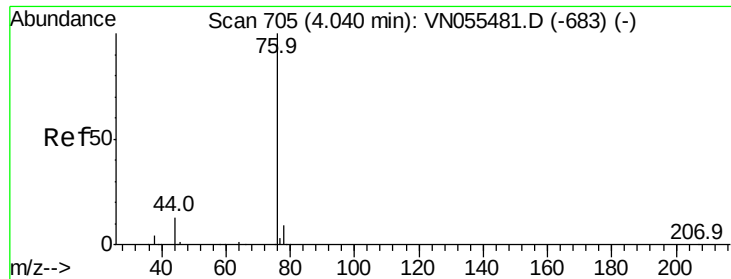
Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Tgt Ion:	43	Resp:	521063
Ion	Ratio	Lower	Upper
43	100		
58	31.4	24.2	36.2





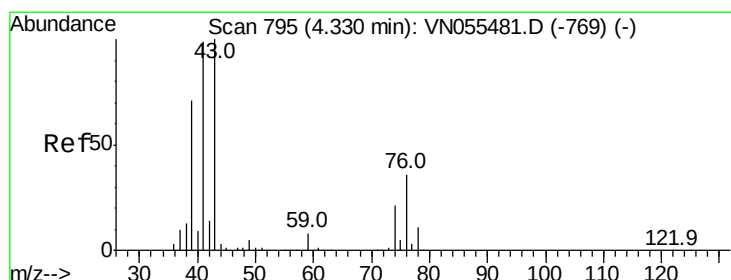
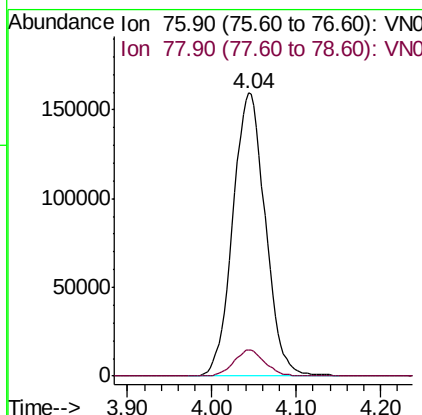
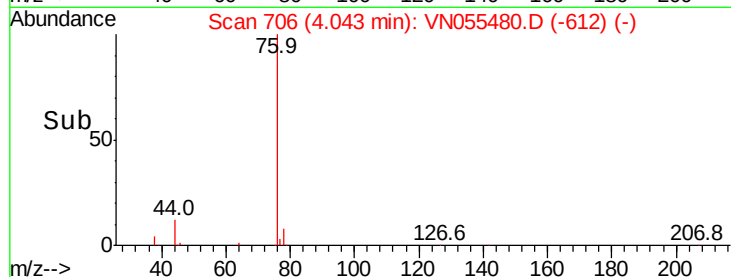
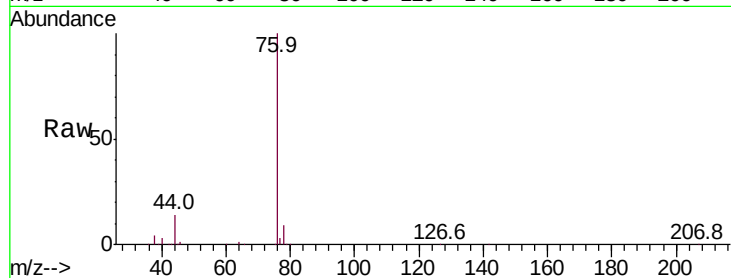
#17
Carbon Disulfide
Concen: 22.823 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

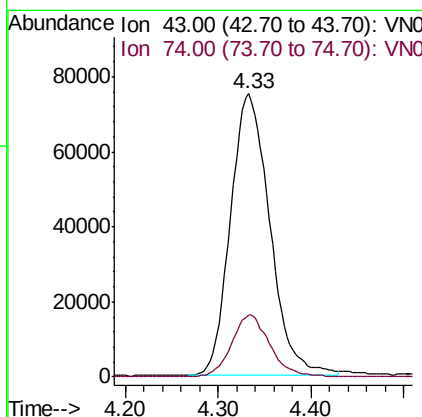
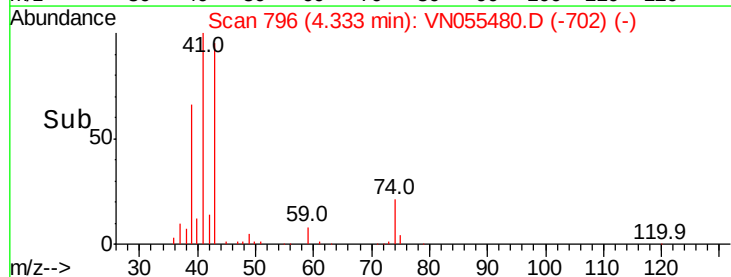
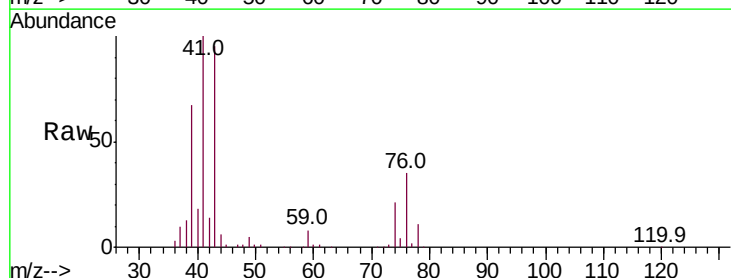
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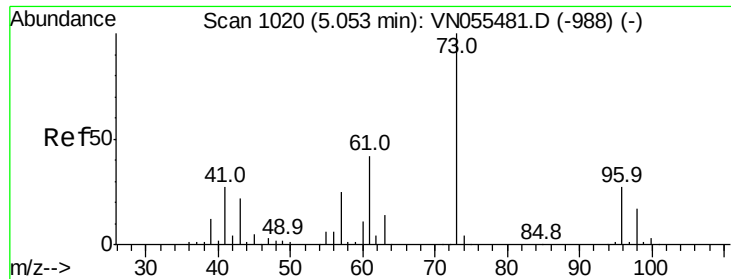
MMDadoda
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#18
Methyl Acetate
Concen: 24.718 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	16.3	24.5





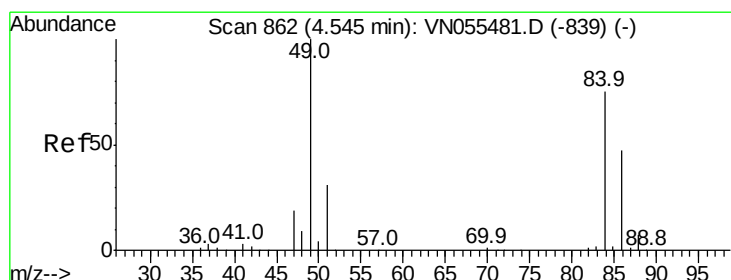
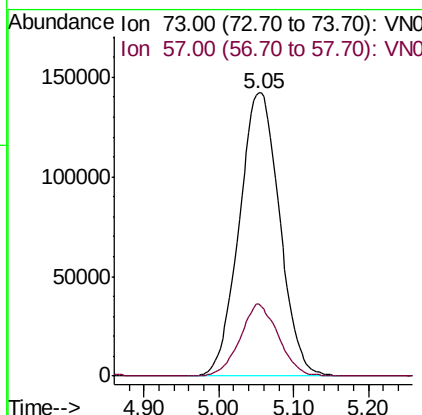
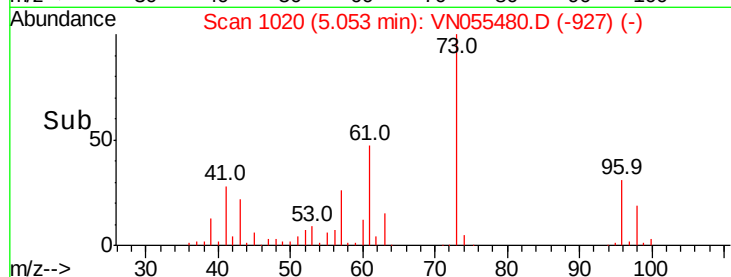
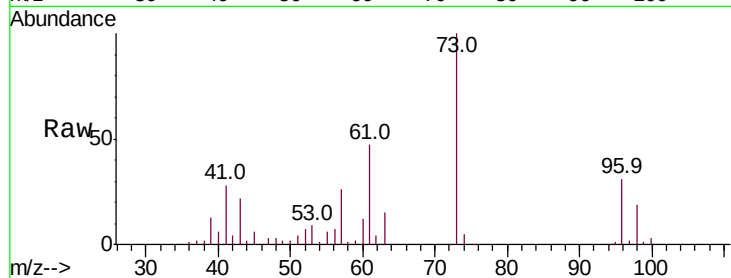
#19
Methyl tert-butyl Ether
Concen: 25.814 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.6	20.0	30.0

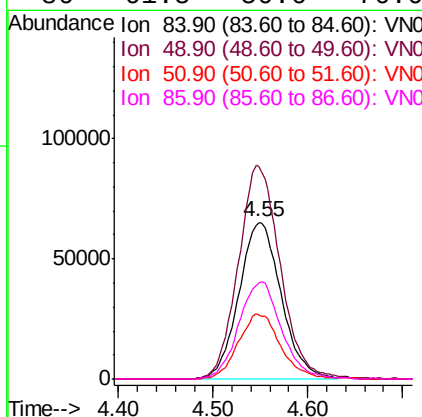
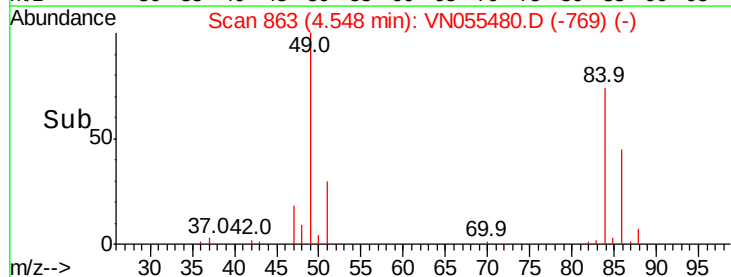
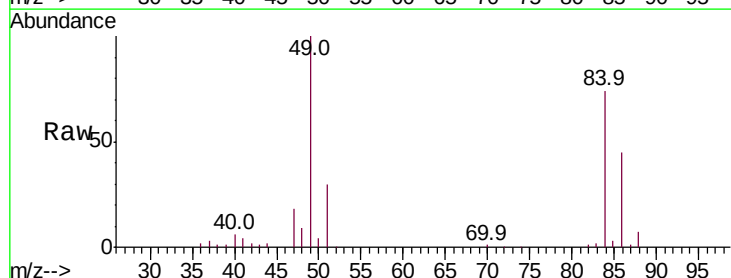
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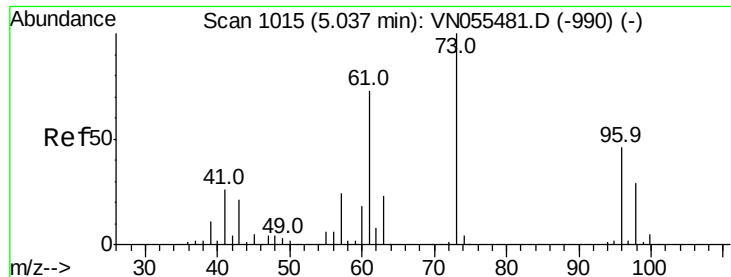
MMDadoda
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#20
Methylene Chloride
Concen: 22.331 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.9	107.0	160.6
51	40.9	33.0	49.4
86	61.5	50.6	76.0





#21

trans-1,2-Dichloroethene

Concen: 22.818 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 96 Resp: 173249

Ion Ratio Lower Upper

96 100

61 149.6 127.4 191.0

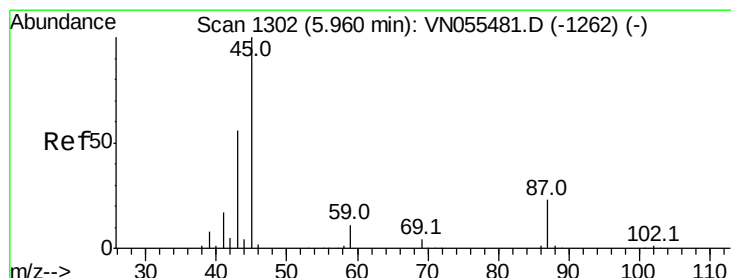
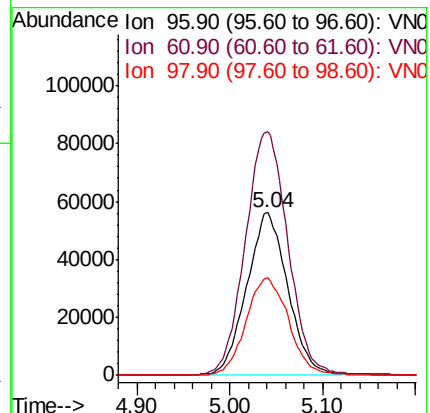
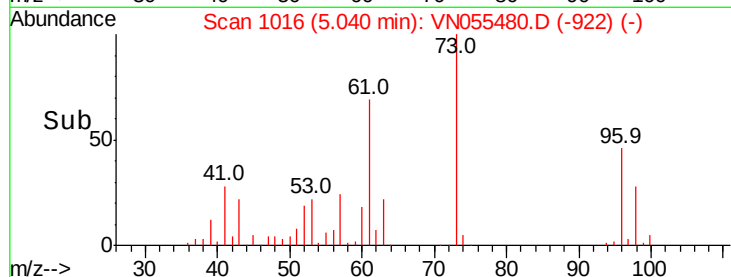
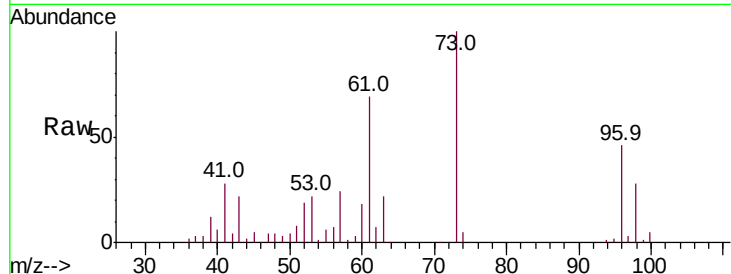
98 60.2 51.6 77.4

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#22

Diisopropyl ether

Concen: 23.028 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Tgt Ion: 45 Resp: 680875

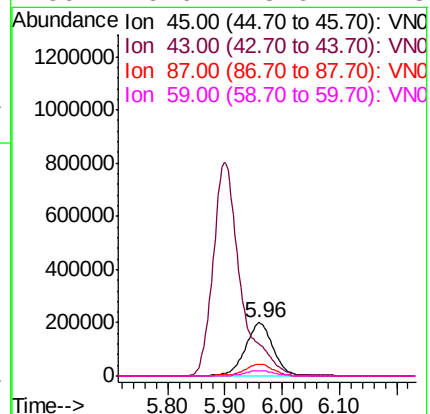
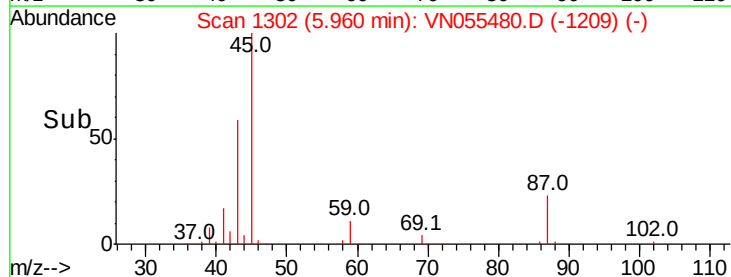
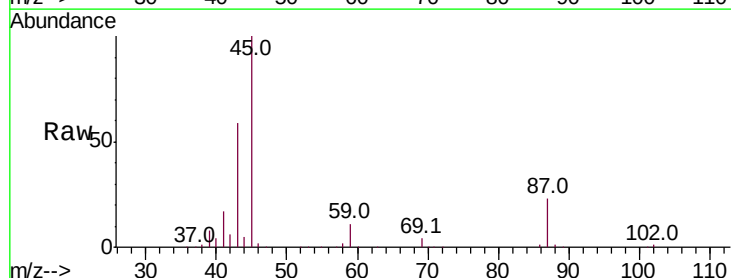
Ion Ratio Lower Upper

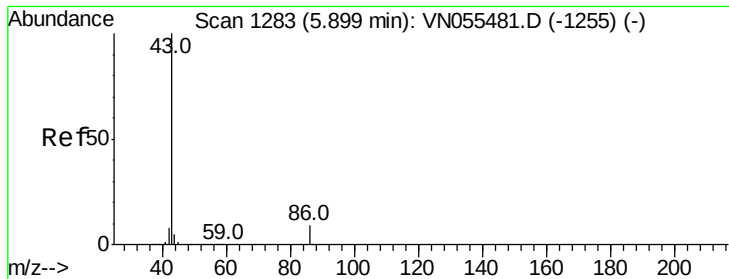
45 100

43 58.4 44.6 66.8

87 22.5 18.6 28.0

59 10.6 8.6 12.8





#23

Vinyl Acetate

Concen: 133.588 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 2672063

Ion Ratio Lower Upper

43 100

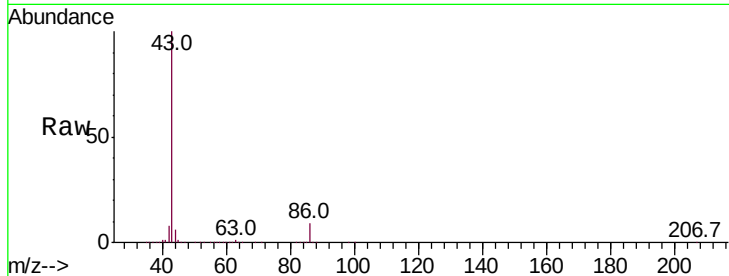
86 8.7 7.1 10.7

Manual Integrations

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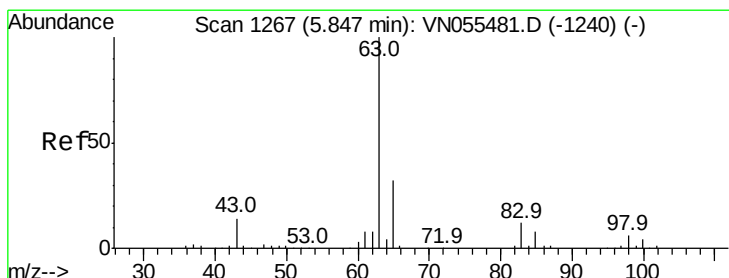
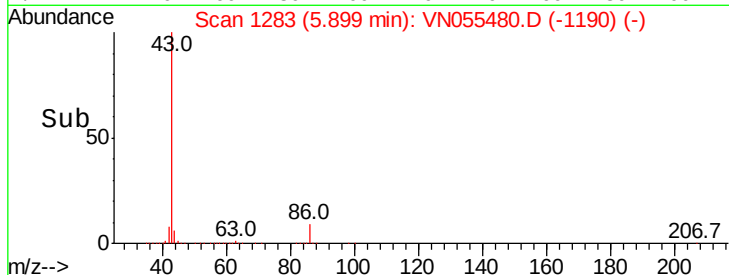
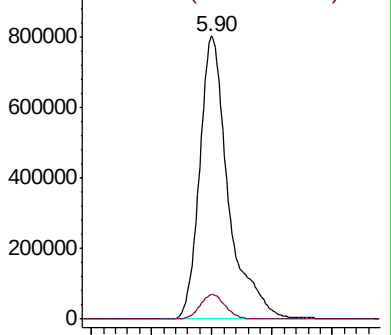
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 22.670 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

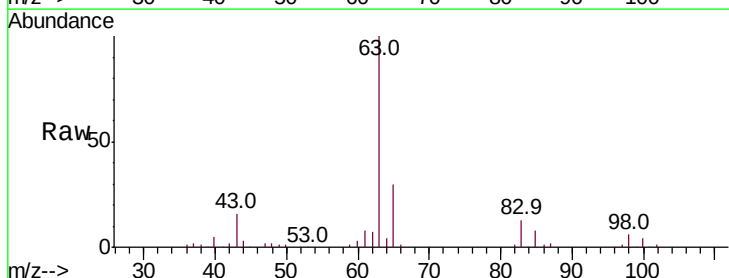
Tgt Ion: 63 Resp: 357132

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.0

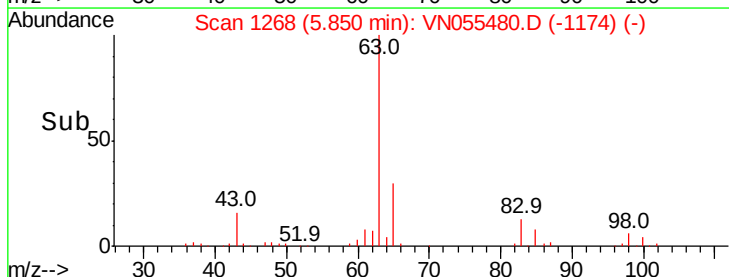
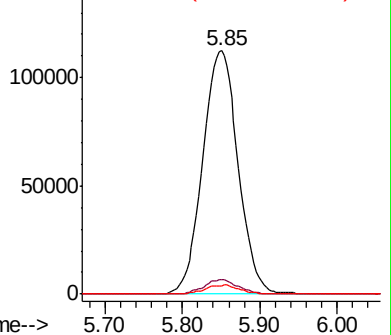
100 3.6 1.9 5.7

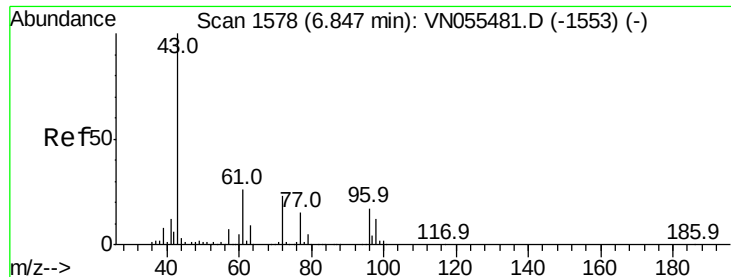


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 174.881 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 744969

Ion Ratio Lower Upper

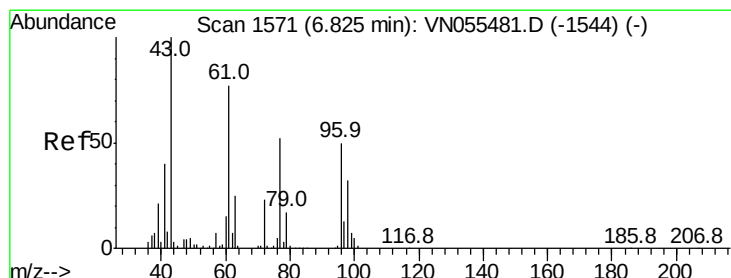
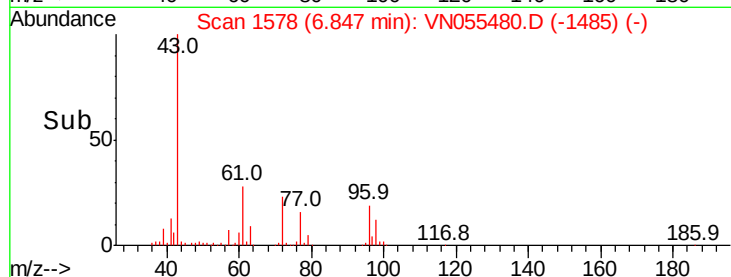
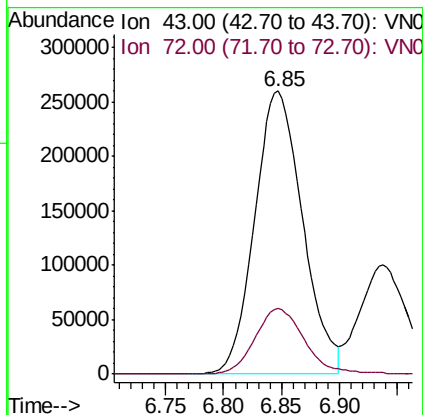
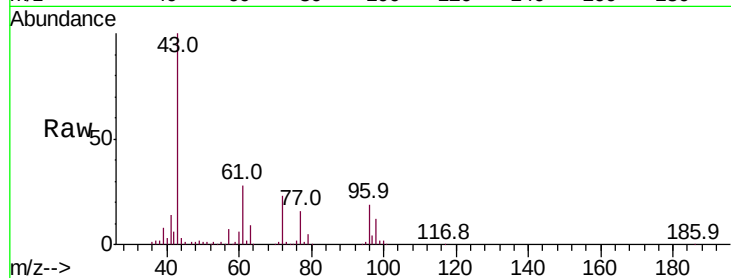
43 100

72 23.2 18.6 27.8

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 21.011 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055480.D

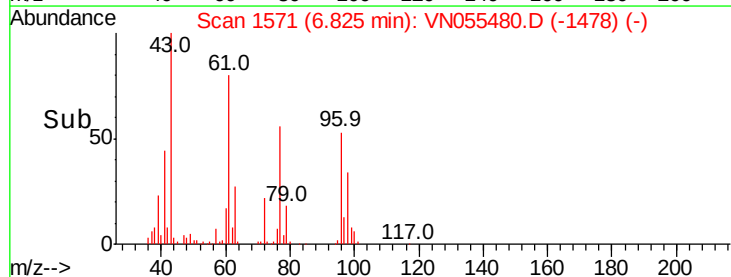
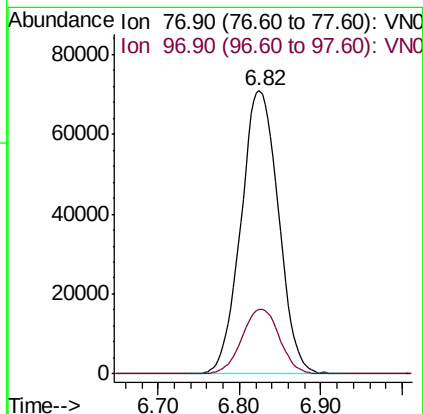
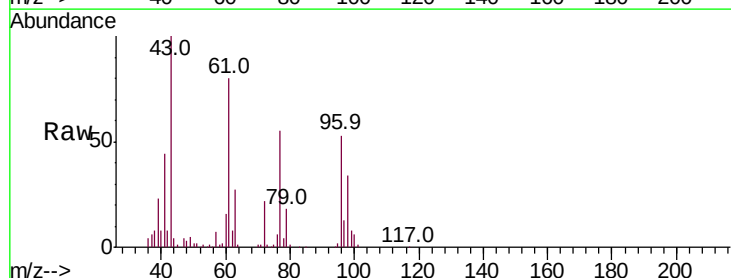
Acq: 8 May 2019 17:24

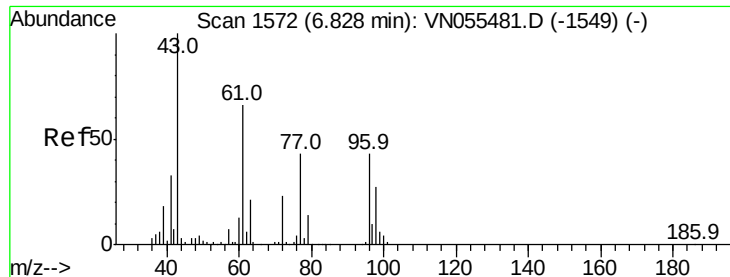
Tgt Ion: 77 Resp: 225337

Ion Ratio Lower Upper

77 100

97 22.9 11.5 34.5





#27

cis-1,2-Dichloroethene

Concen: 23.161 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

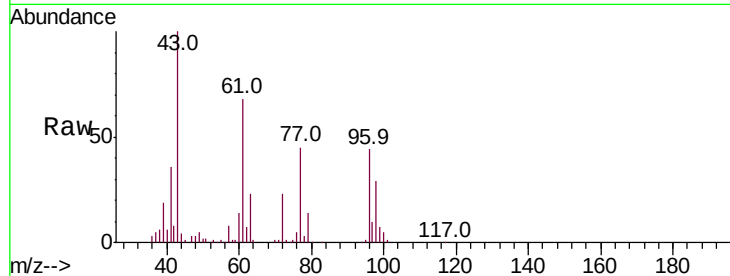
ClientSampled :

VSTDIC020

Tot Ion:	96	Resp:	201054
Ion	Ratio	Lower	Upper
96	100		
61	157.4	0.0	310.8
98	64.0	0.0	129.4

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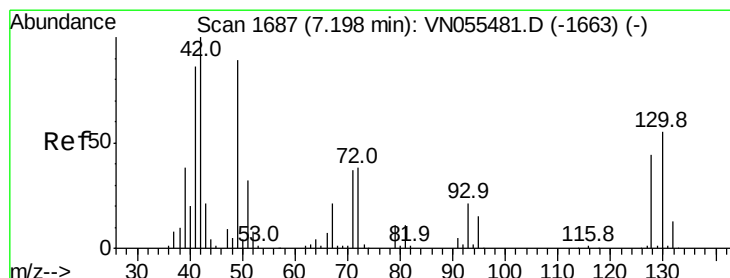
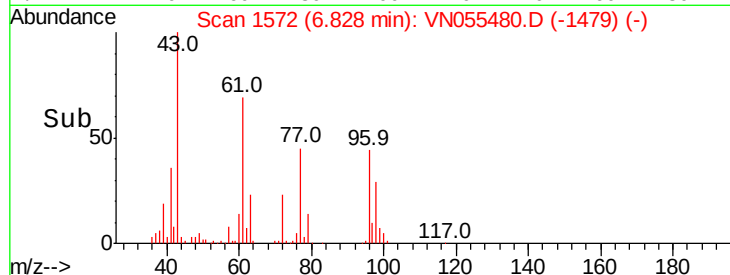
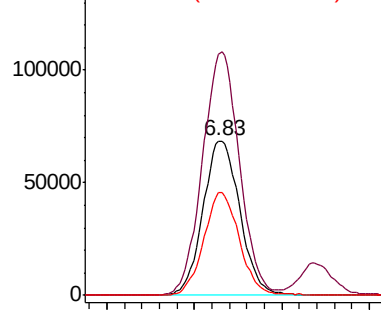


Abundance

Ion 95.90 (95.60 to 96.60): VN055481.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN055481.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN055481.D (-1549) (-)



#28

Bromochloromethane

Concen: 24.580 ug/l

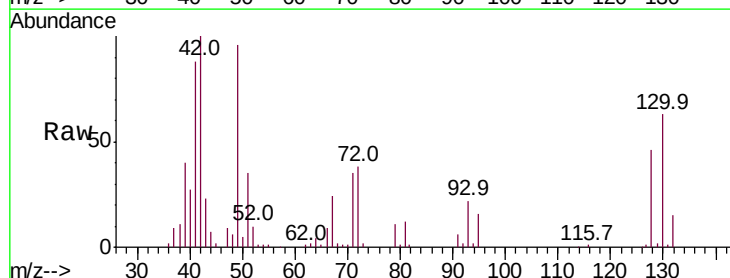
RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Tgt Ion:	49	Resp:	197440
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	62.5	49.5	74.3

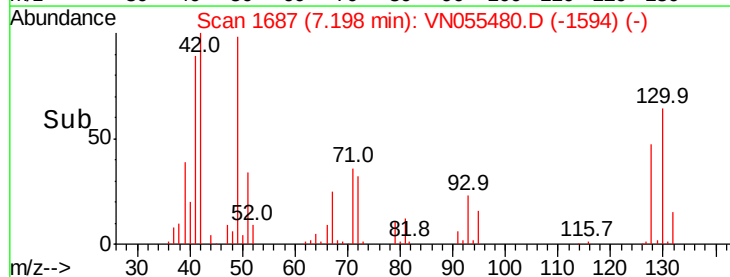
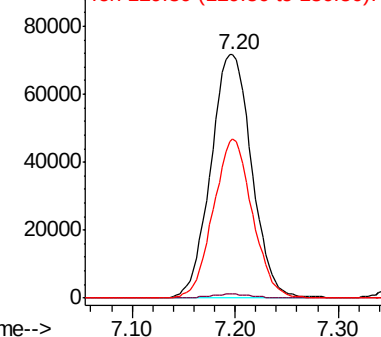


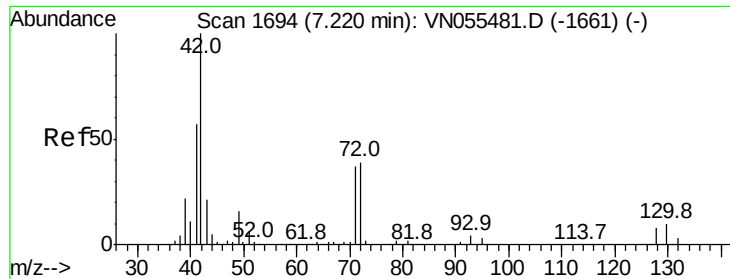
Abundance

Ion 48.90 (48.60 to 49.60): VN055481.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN055481.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN055481.D (-1663) (-)





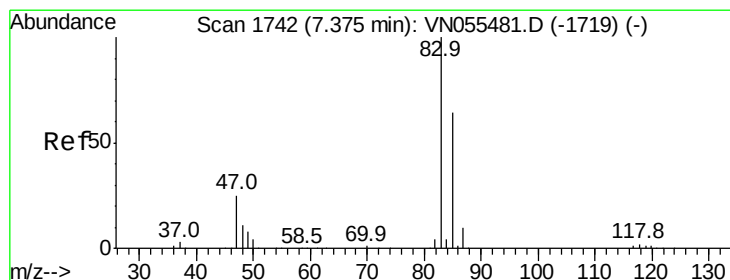
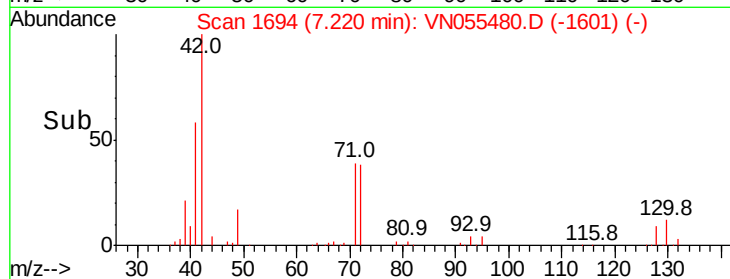
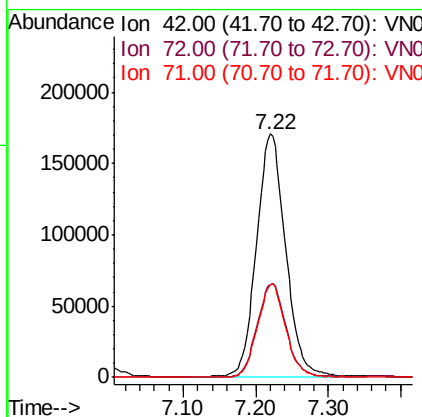
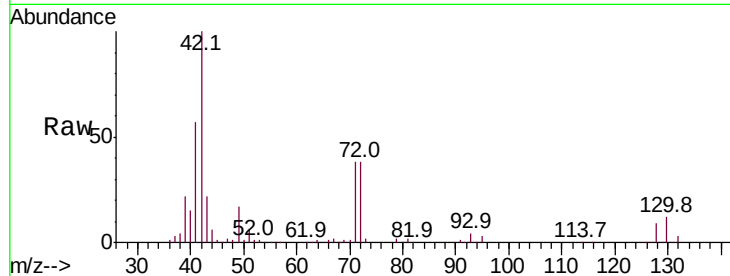
#29
Tetrahydrofuran
Concen: 175.272 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	31.0	46.6
71	36.7	29.4	44.2

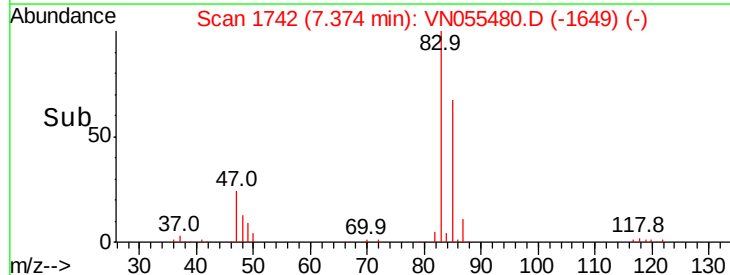
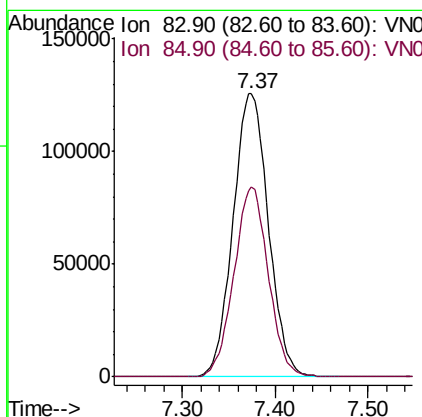
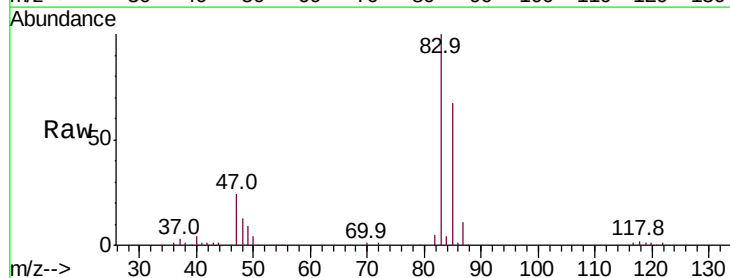
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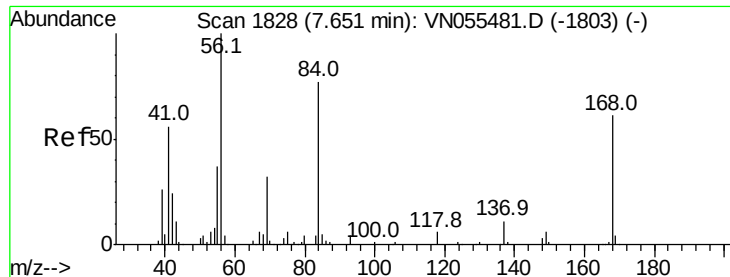
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#30
Chloroform
Concen: 22.324 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	51.3	76.9





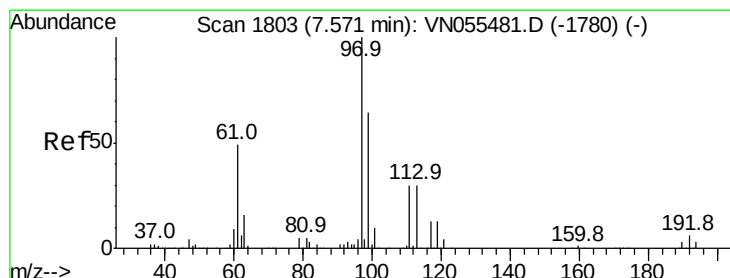
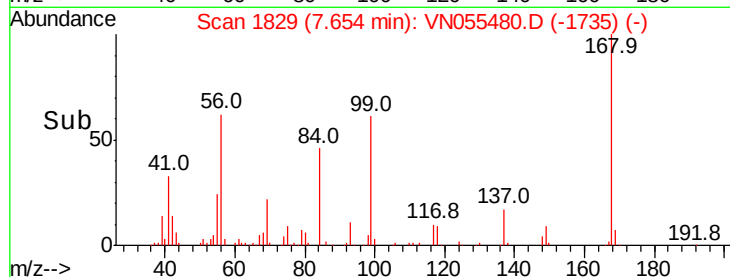
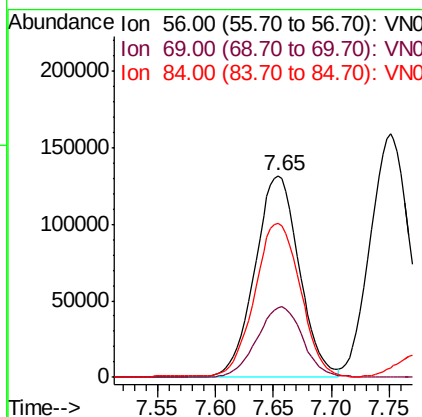
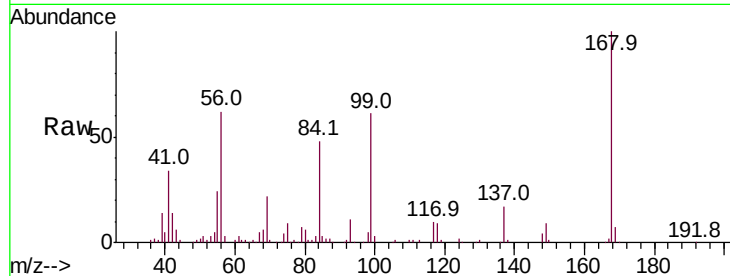
#31
Cyclohexane
Concen: 23.154 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.8	26.0	39.0
84	75.6	61.9	92.9

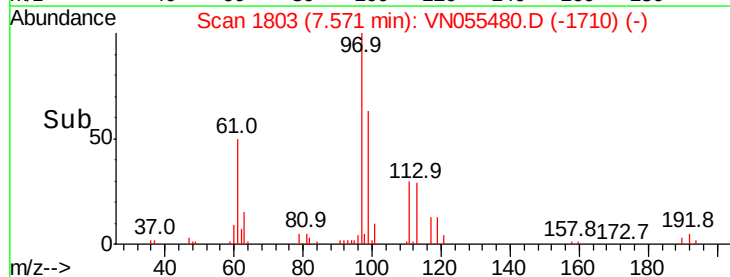
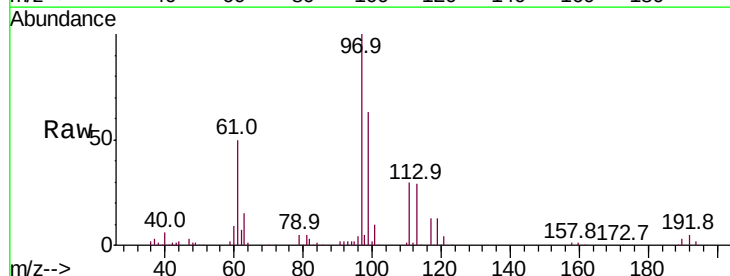
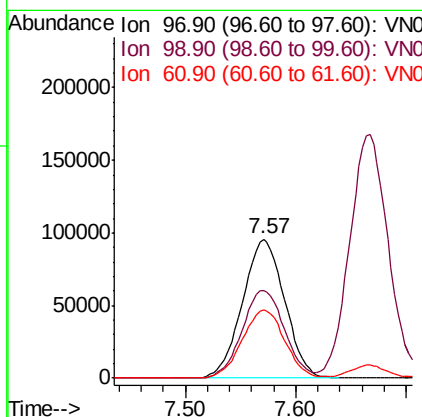
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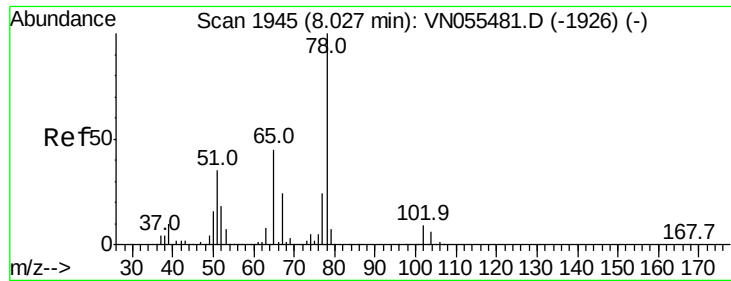
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#32
1,1,1-Trichloroethane
Concen: 21.155 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.2	76.8
61	49.8	39.2	58.8





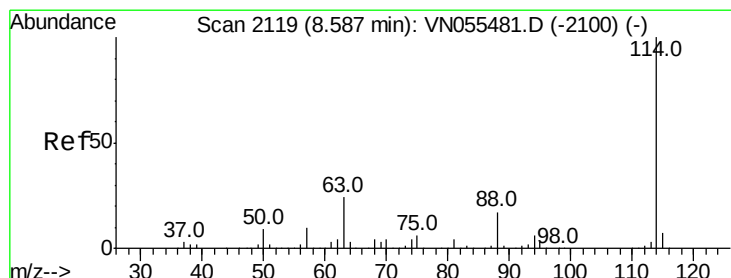
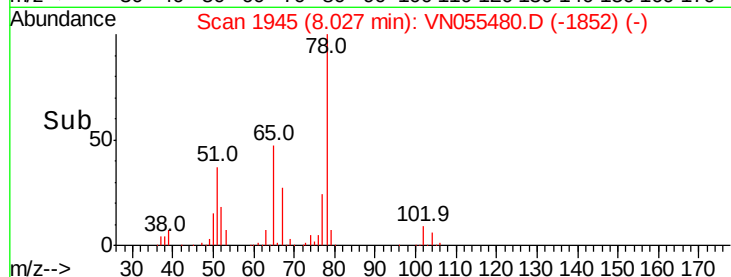
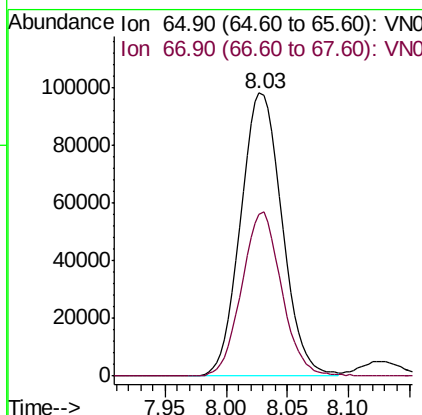
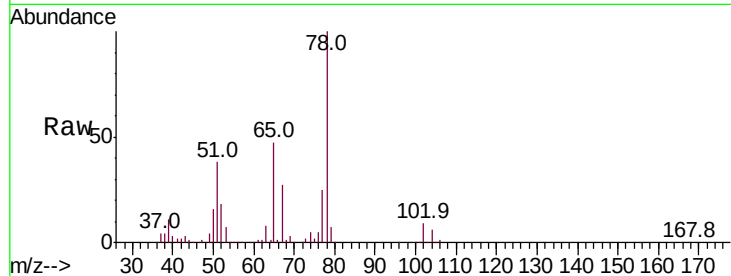
#33
 1,2-Dichloroethane-d4
 Concen: 24.069 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.5	0.0	109.6

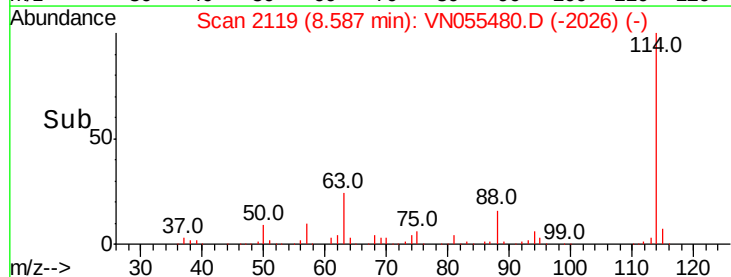
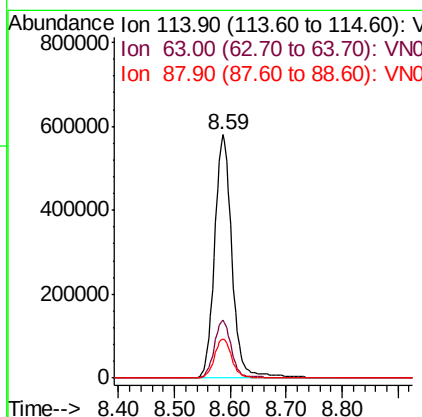
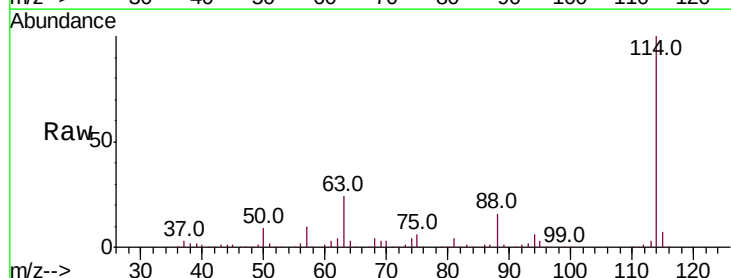
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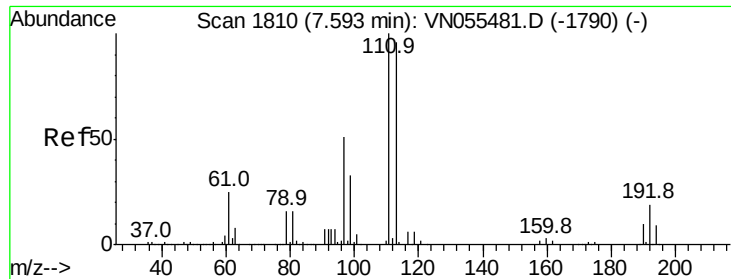
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	47.4
88	16.1	0.0	34.0





#35

Dibromofluoromethane

Concen: 20.828 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

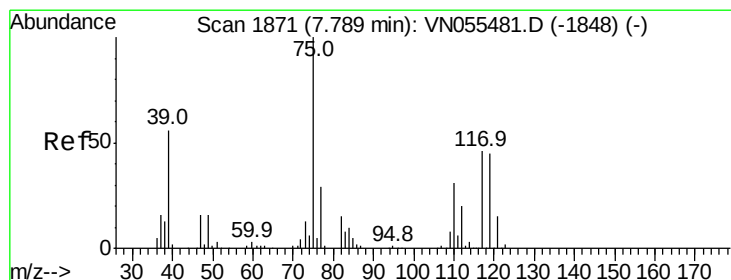
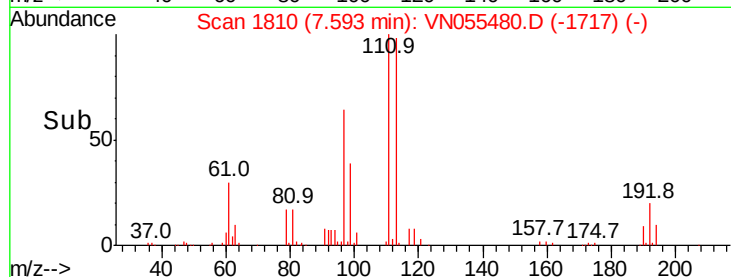
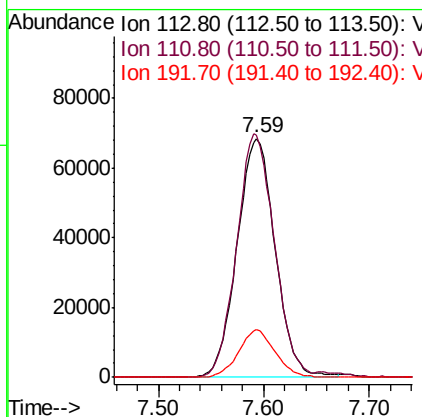
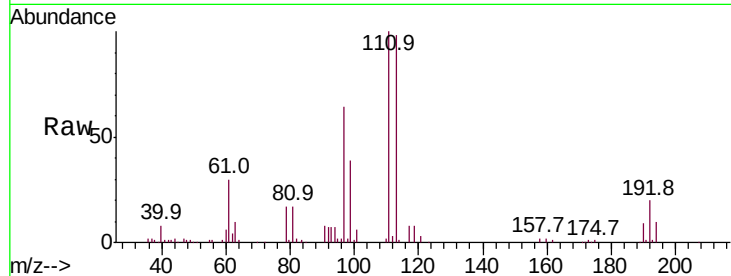
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	172359
Ion	Ratio	Lower	Upper
113	100		
111	100.5	82.9	124.3
192	19.0	15.6	23.4

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#36

1,1-Dichloropropene

Concen: 20.481 ug/l

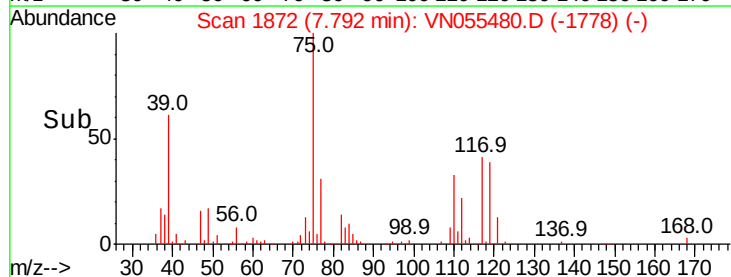
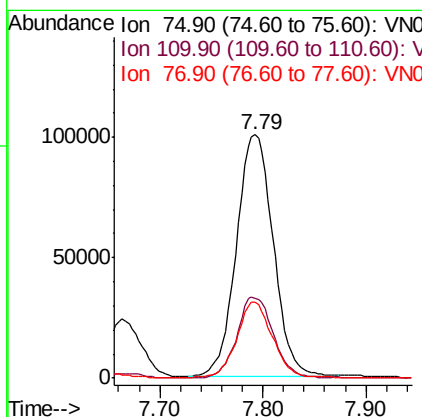
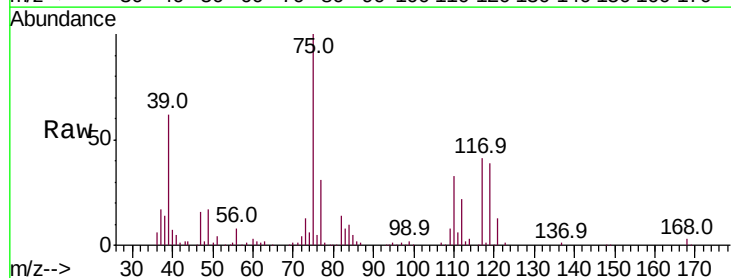
RT: 7.79 min Scan# 1872

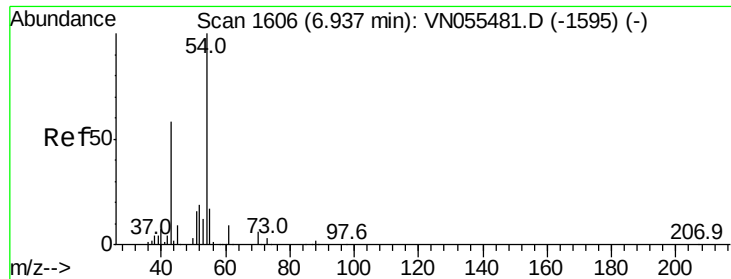
Delta R.T. 0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Tgt Ion:	75	Resp:	250411
Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.1	48.3
77	30.9	24.6	37.0





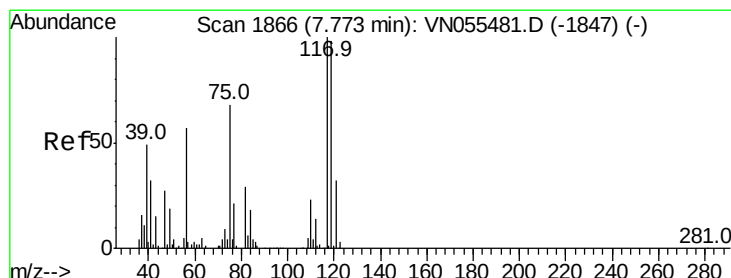
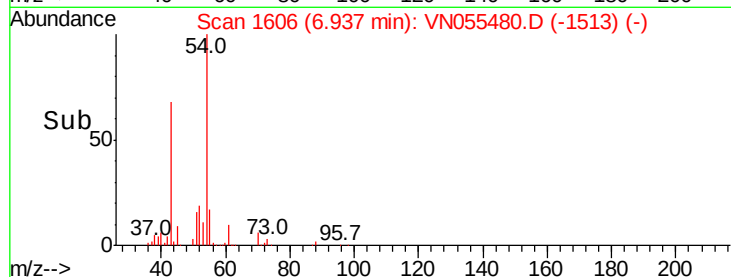
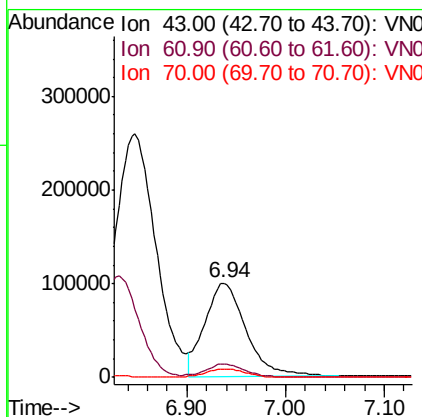
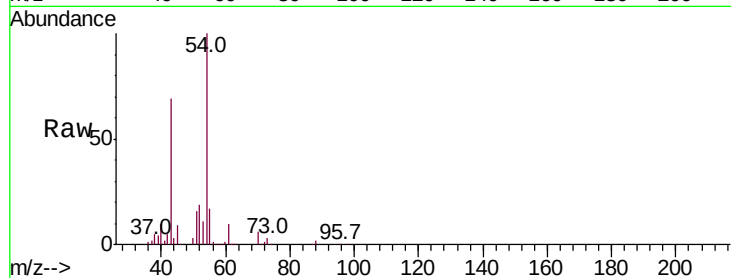
#37
Ethyl Acetate
Concen: 28.607 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.9	16.3
70	8.9	7.0	10.6

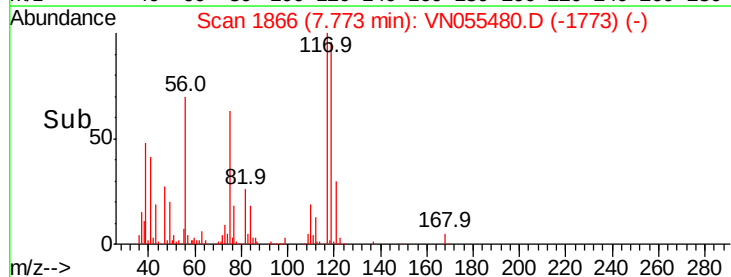
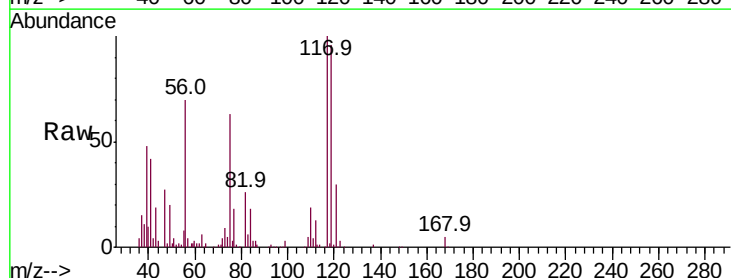
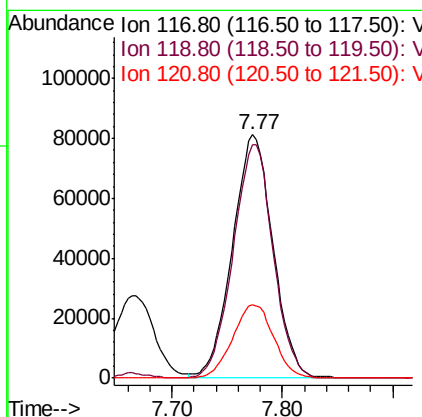
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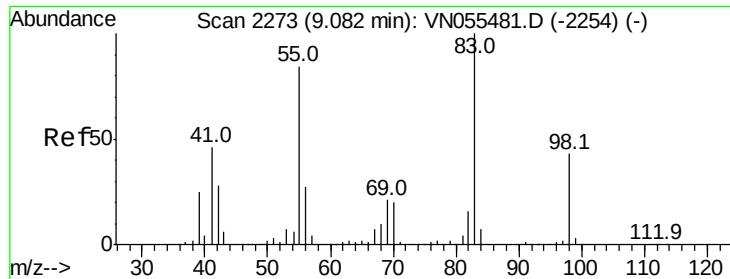
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#38
Carbon Tetrachloride
Concen: 17.888 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.8	116.6
121	30.3	25.2	37.8





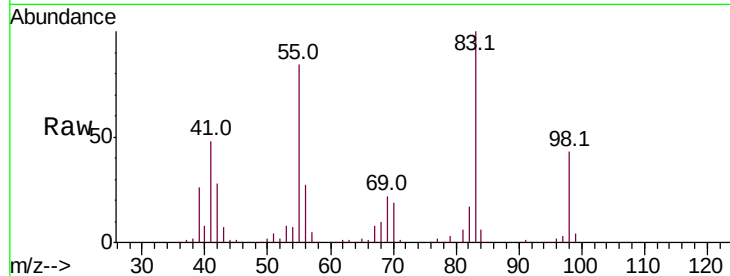
#39
Methylvlcyclohexane
Concen: 22.761 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

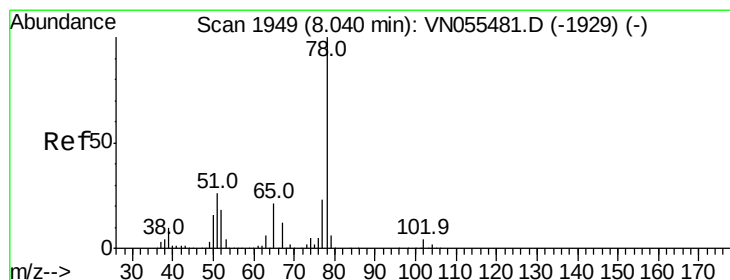
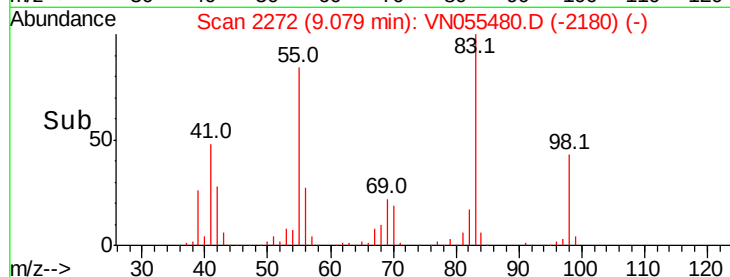
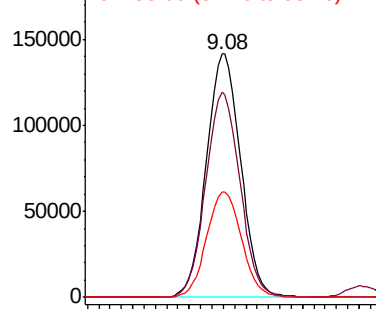
Tot Ion	Ratio	Lower	Upper
83	100		
55	84.4	67.0	100.4
98	43.2	34.2	51.4

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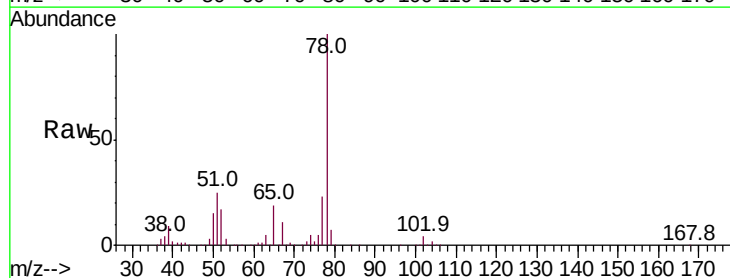


Abundance Ion 83.00 (82.70 to 83.70): VN055481.D (-2254) (-)

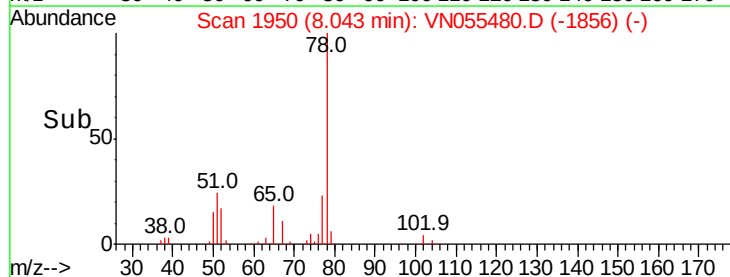
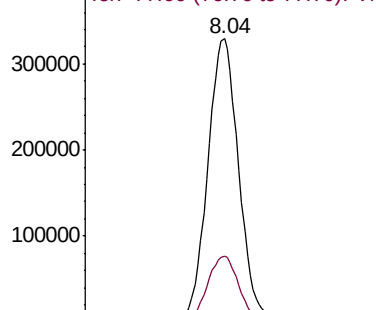


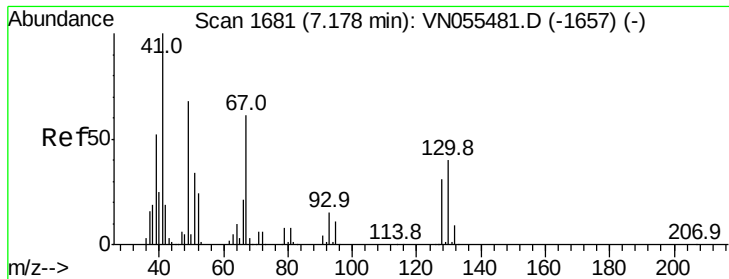
#40
Benzene
Concen: 21.841 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	27.8



Abundance Ion 78.00 (77.70 to 78.70): VN055481.D (-1929) (-)





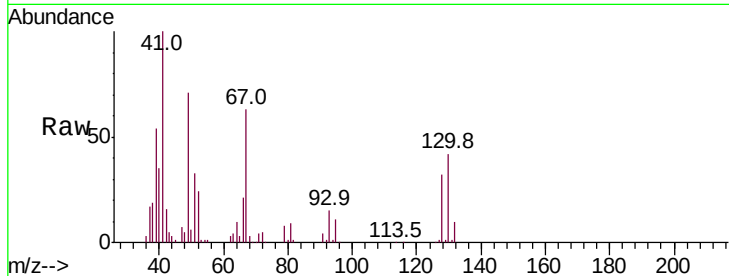
#41
Methacrylonitrile
Concen: 25.486 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

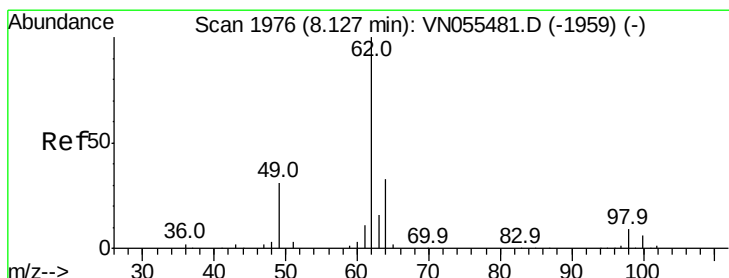
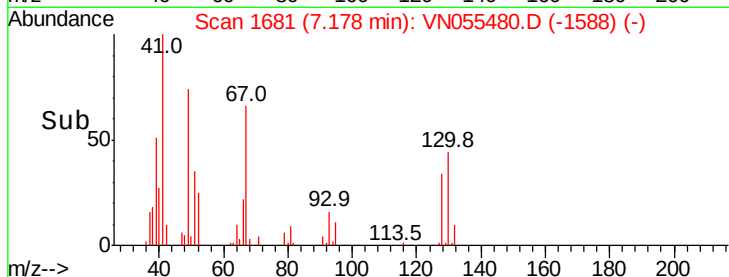
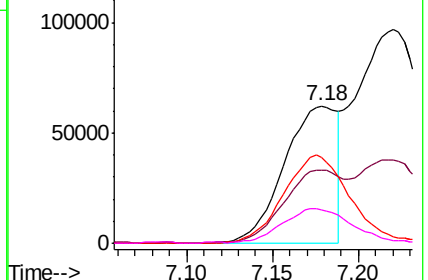
Tot Ion	Ratio	Lower	Upper
41	100		
39	57.1	44.7	67.1
67	81.9	61.4	92.0
52	32.0	25.0	37.4

Manual Integrations
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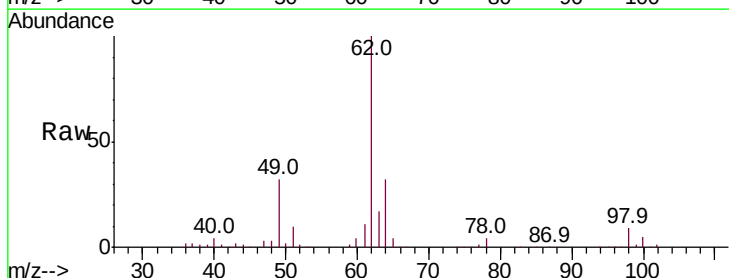


Abundance Ion 41.00 (40.70 to 41.70): VNO
150000 Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

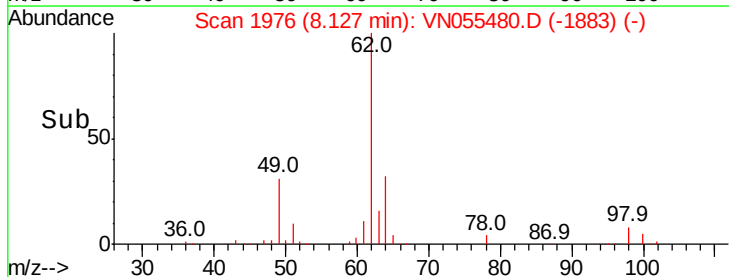
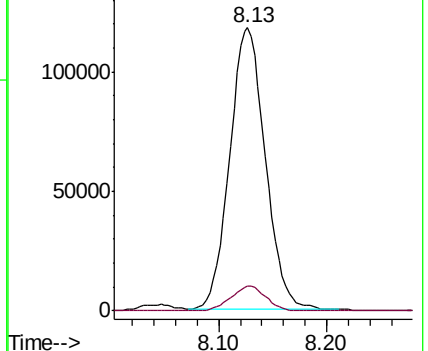


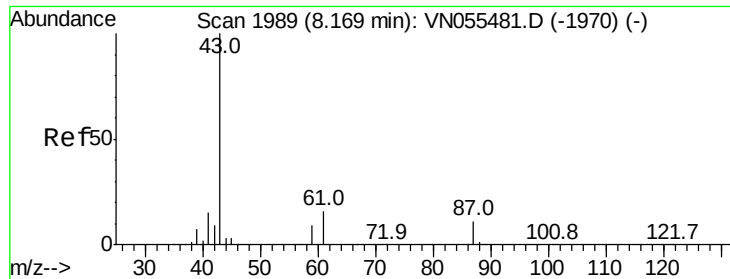
#42
1,2-Dichloroethane
Concen: 21.265 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.4



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





#43

Isopropyl Acetate

Concen: 26.781 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

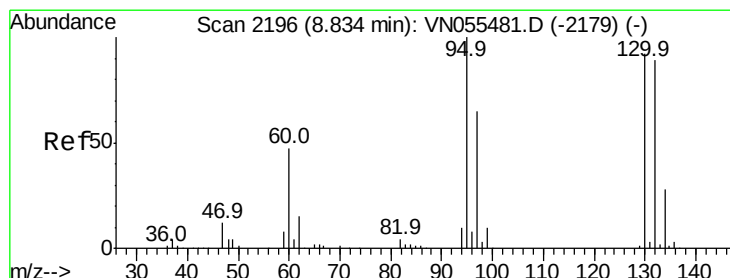
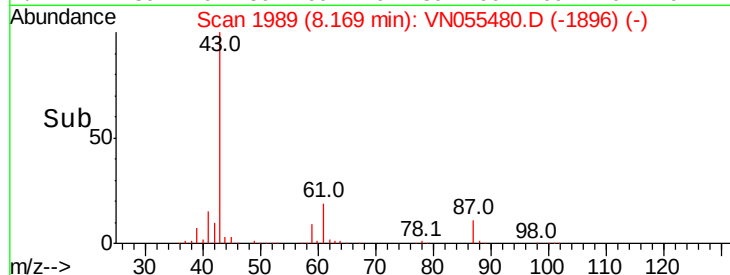
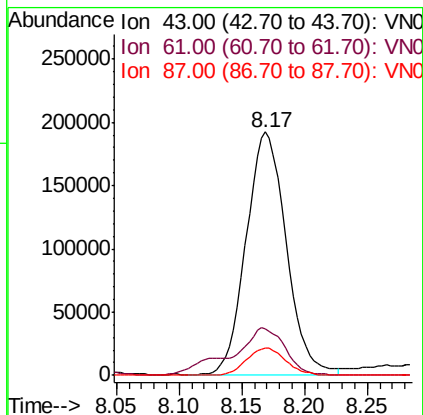
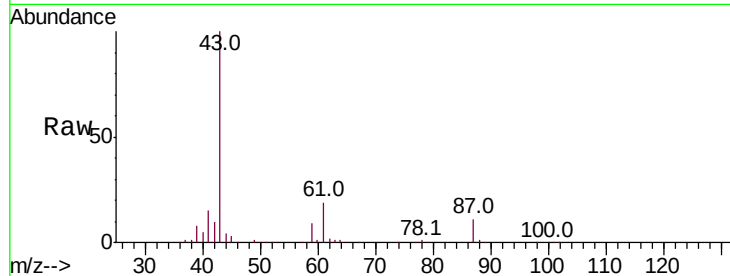
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	426576
Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.1	22.7
87	11.2	9.0	13.6

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#44

Trichloroethene

Concen: 19.875 ug/l

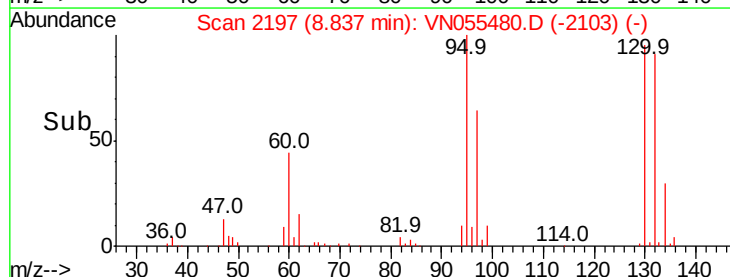
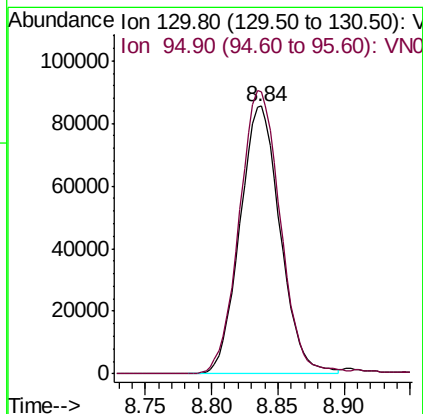
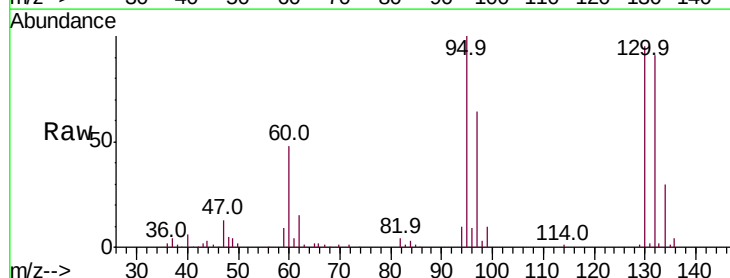
RT: 8.84 min Scan# 2197

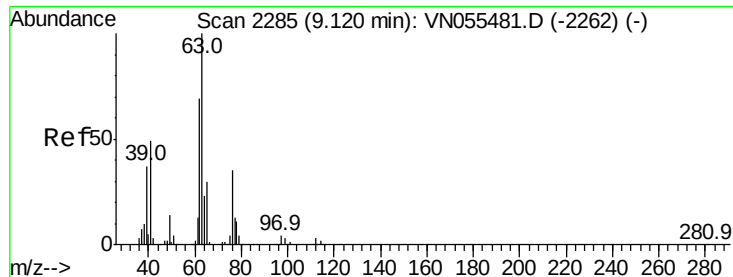
Delta R.T. 0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Tgt Ion:	130	Resp:	180848
Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	216.8





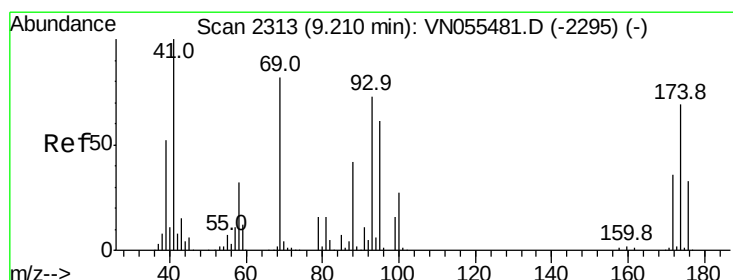
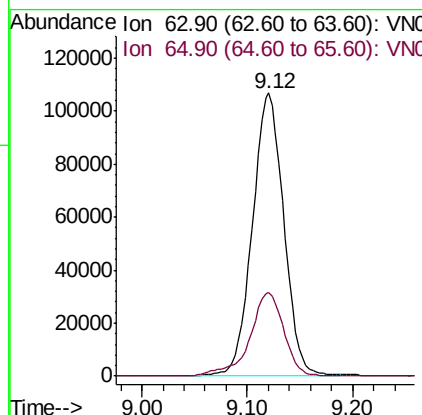
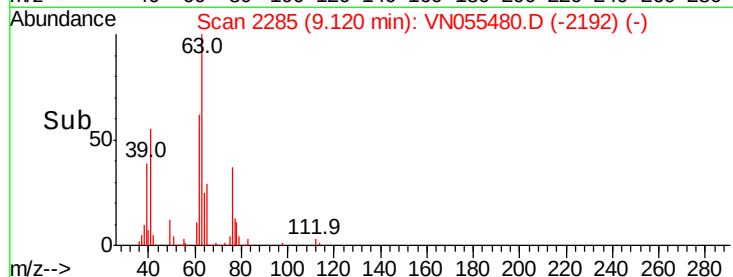
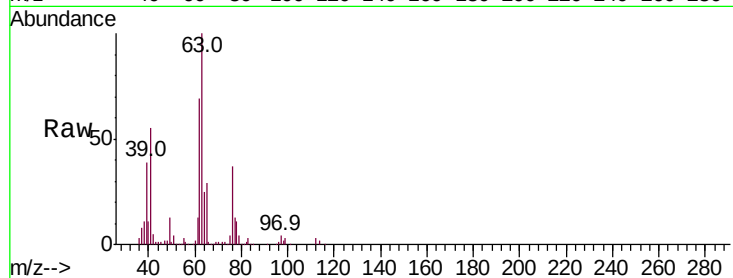
#45
 1,2-Dichloropropane
 Concen: 21.380 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.1	36.1

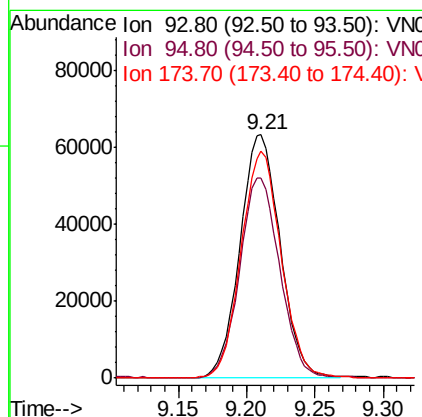
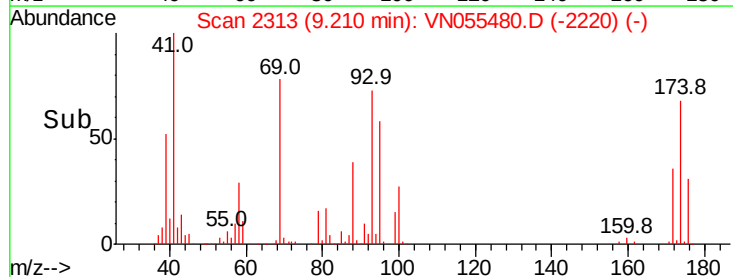
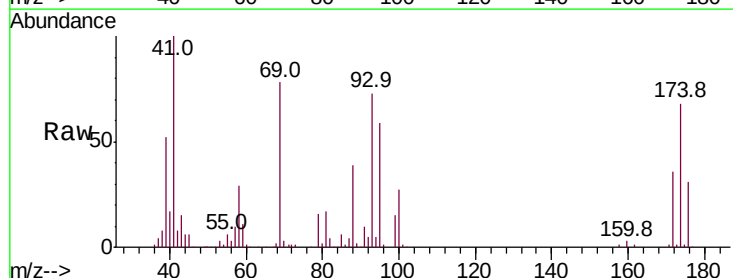
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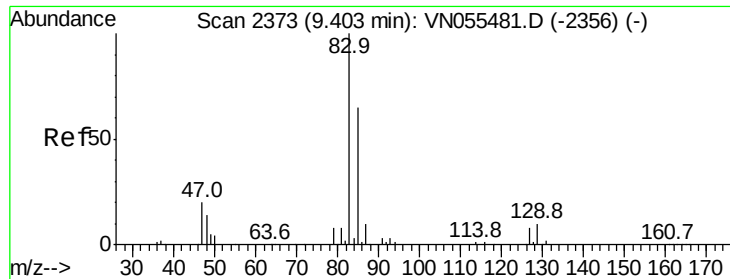
MMDadoda
 5/9/2019 6:32:52 PM



#46
 Dibromomethane
 Concen: 22.540 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	64.8	97.2
174	93.4	75.0	112.6





#47

Bromodichloromethane

Concen: 20.389 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

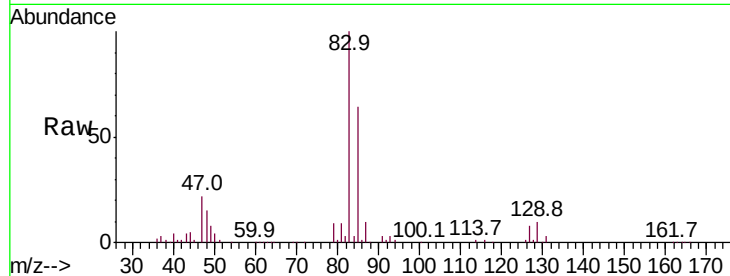
ClientSampleId :

VSTDIC020

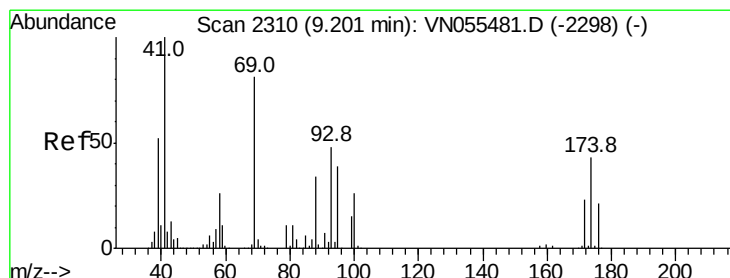
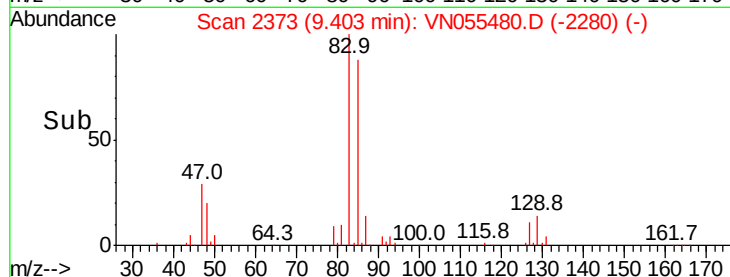
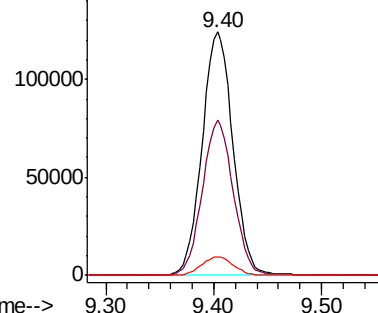
Tot Ion:	83	Resp:	246384
Ion Ratio	Lower	Upper	
83	100		
85	63.6	52.2	78.2
127	7.7	6.5	9.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 25.839 ug/l

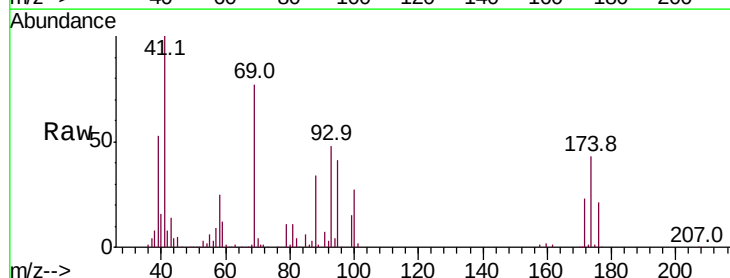
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

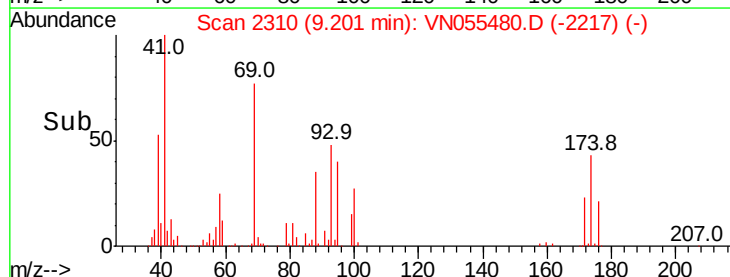
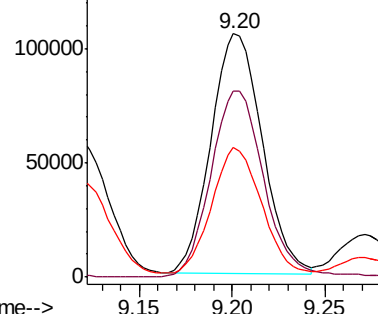
Lab File: VN055480.D

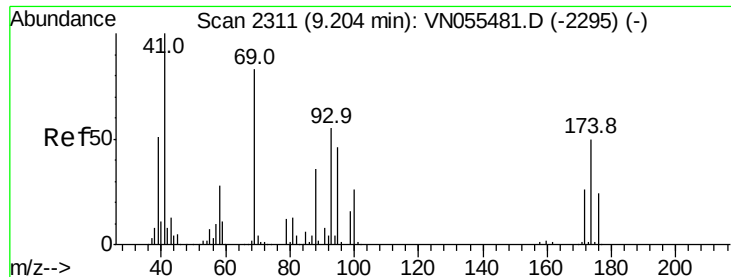
Acq: 8 May 2019 17:24

Tgt Ion:	41	Resp:	201164
Ion Ratio	Lower	Upper	
41	100		
69	80.9	64.2	96.2
39	53.6	41.6	62.4



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





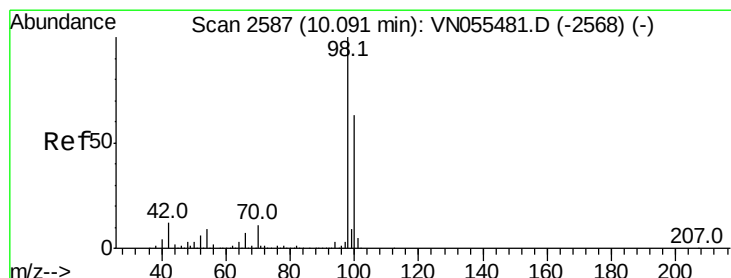
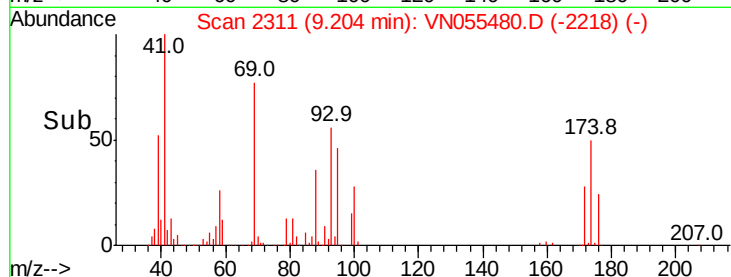
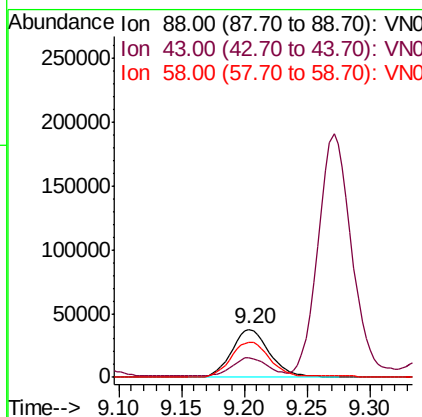
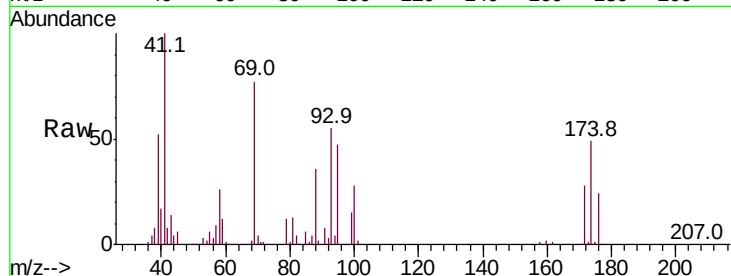
#49
1,4-Dioxane
Concen: 825.359 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	79816
Ion	Ratio	Lower	Upper
88	100		
43	35.5	27.8	41.8
58	73.4	61.8	92.6

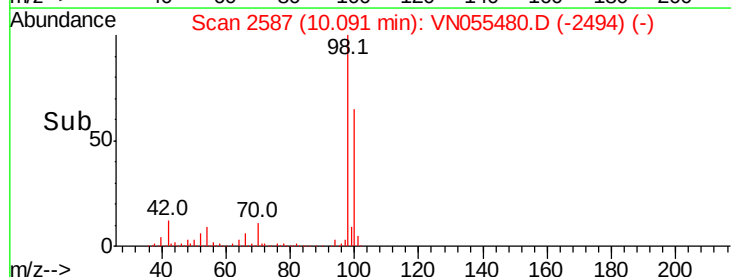
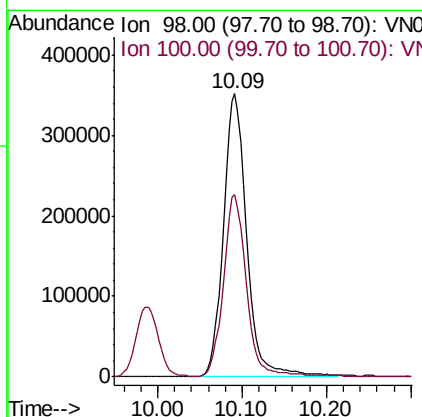
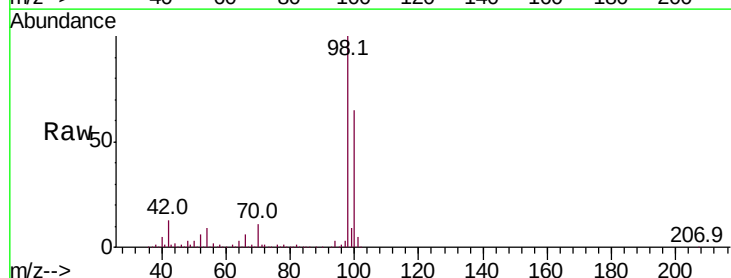
Manual Integrations
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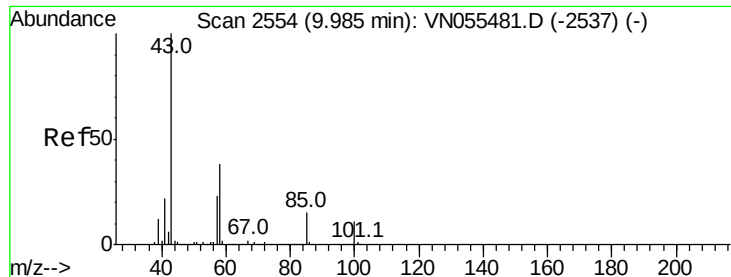
MMDadoda
5/9/2019 6:32:52 PM



#50
Toluene-d8
Concen: 22.241 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion	98	Resp	675268
Ion	Ratio	Lower	Upper
98	100		
100	62.3	50.4	75.6





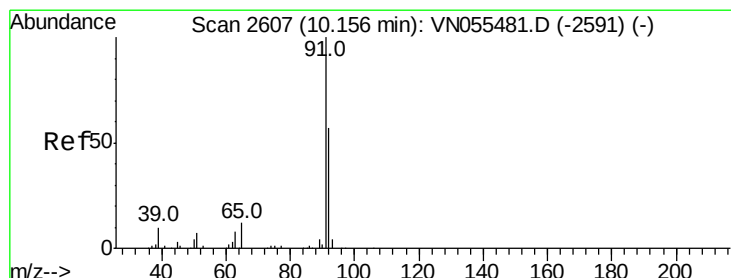
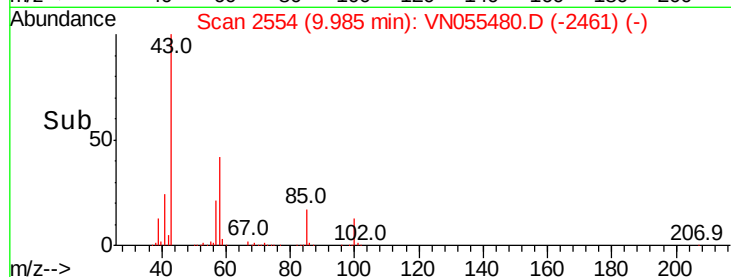
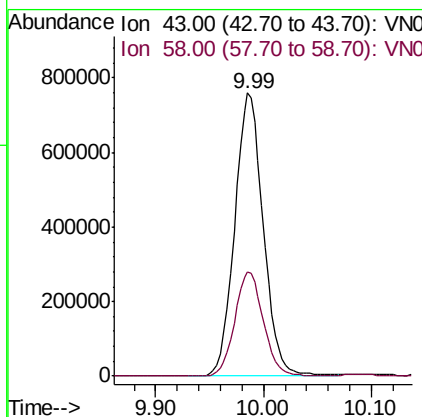
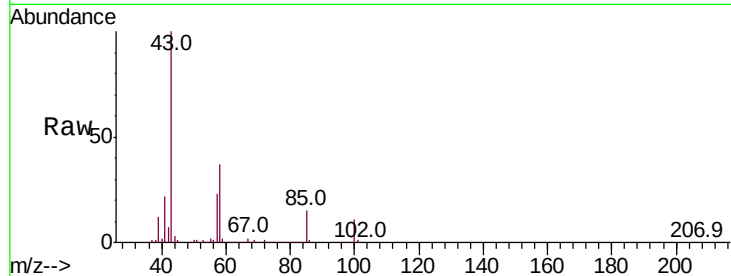
#51
 4-Methyl-2-Pentanone
 Concen: 150.436 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 43 Resp: 1398448
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.9 44.9

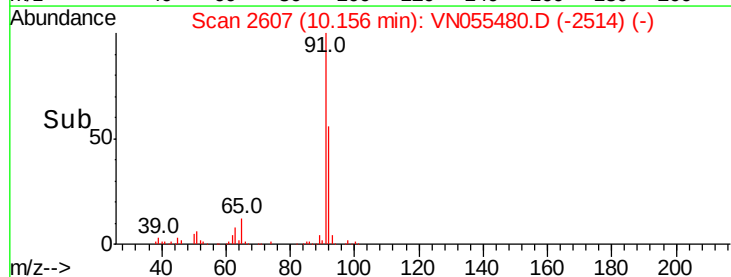
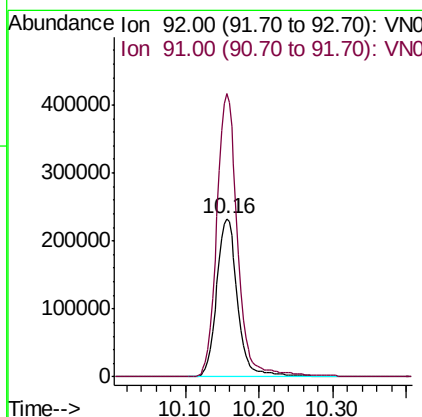
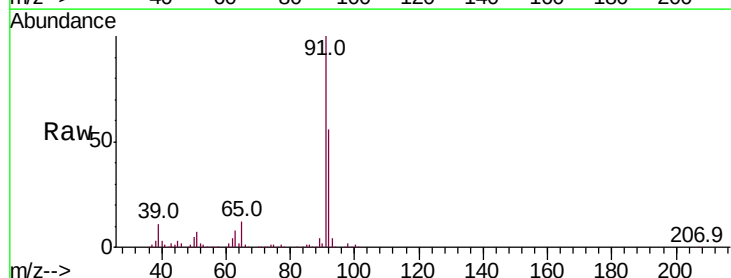
Manual Integrations
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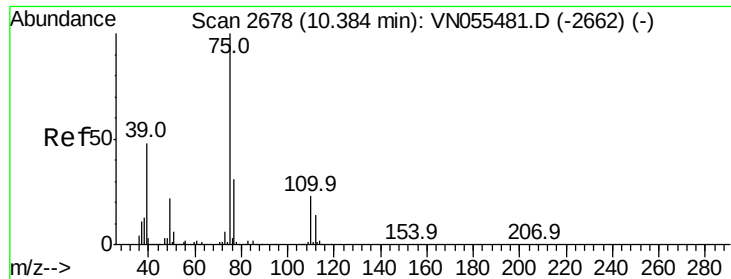
MMDadoda
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#52
 Toluene
 Concen: 22.184 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

Tgt Ion: 92 Resp: 460373
 Ion Ratio Lower Upper
 92 100
 91 178.1 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 22.398 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 75 Resp: 238884

Ion Ratio Lower Upper

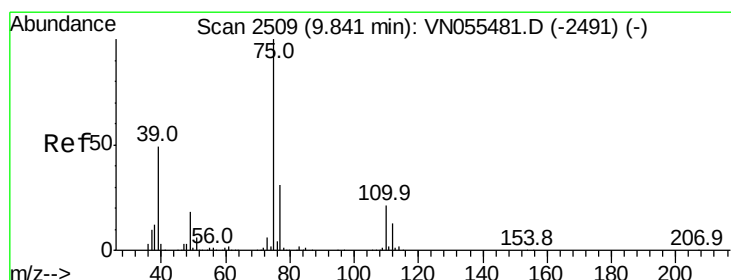
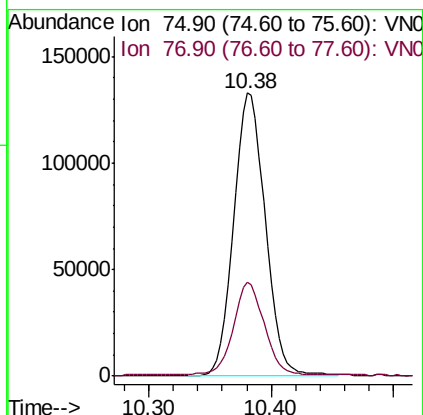
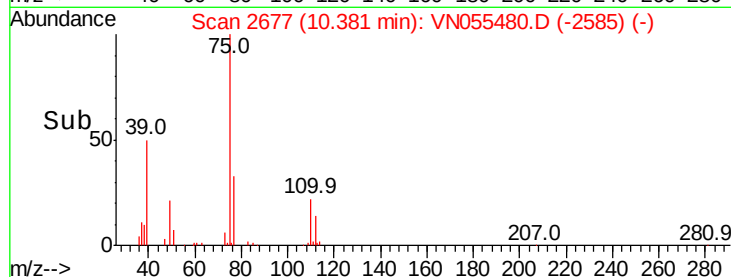
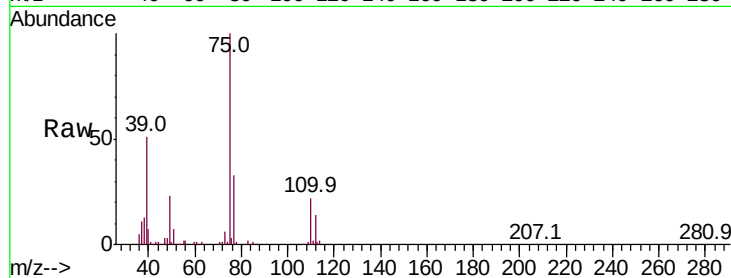
75 100

77 32.8 25.1 37.7

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#54

cis-1,3-Dichloropropene

Concen: 21.759 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

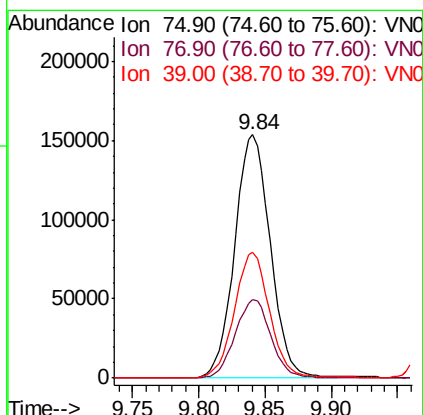
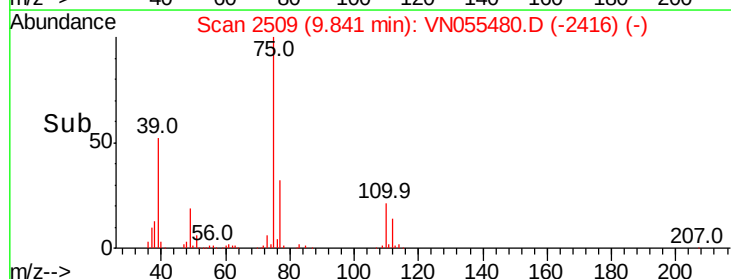
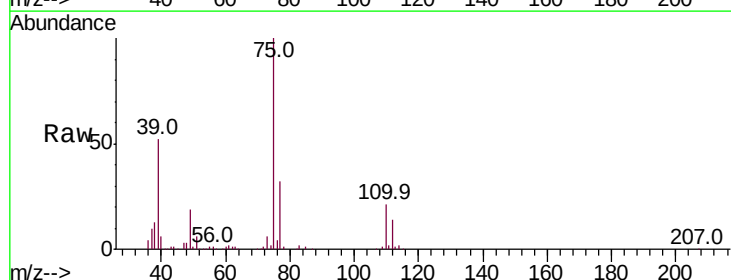
Tgt Ion: 75 Resp: 287276

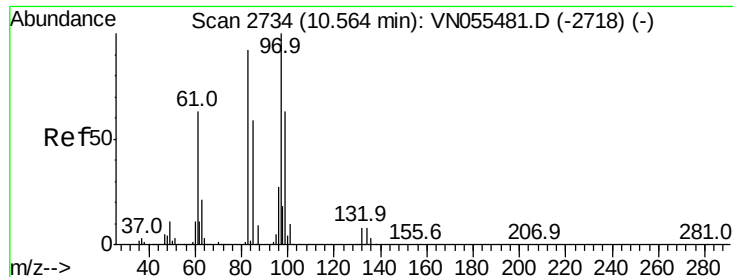
Ion Ratio Lower Upper

75 100

77 32.2 24.4 36.6

39 51.7 39.5 59.3





#55

1,1,2-Trichloroethane

Concen: 23.616 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

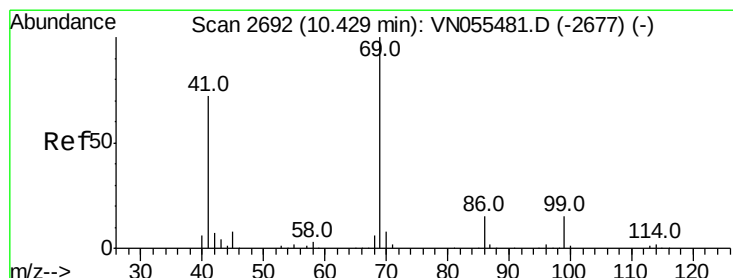
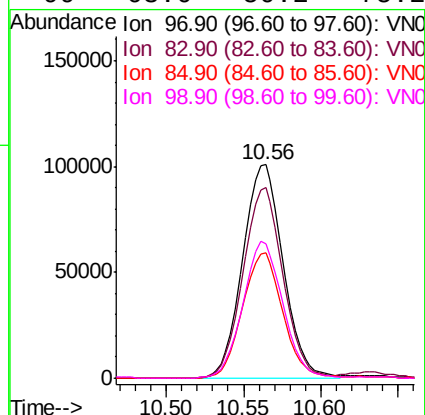
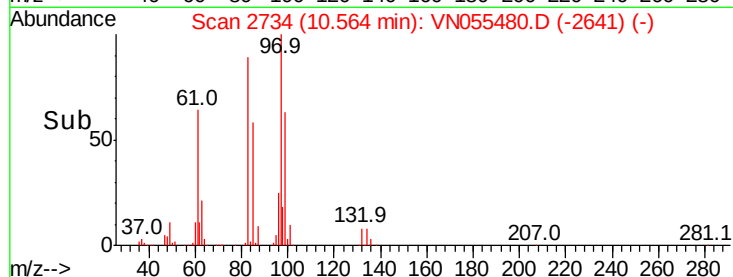
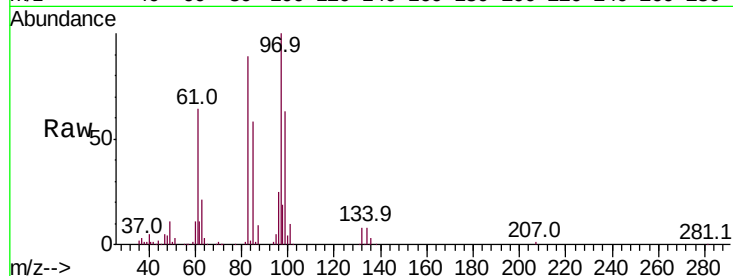
ClientSampled :

VSTDIC020

Tot Ion:	97	Resp:	184224
Ion	Ratio	Lower	Upper
97	100		
83	89.0	73.2	109.8
85	58.5	47.5	71.3
99	63.0	50.2	75.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 26.843 ug/l

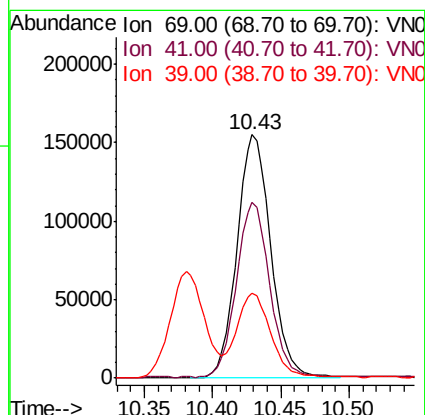
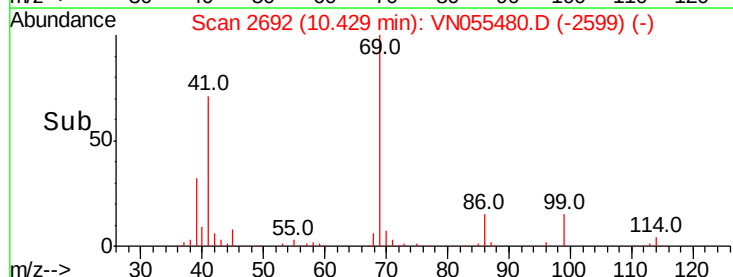
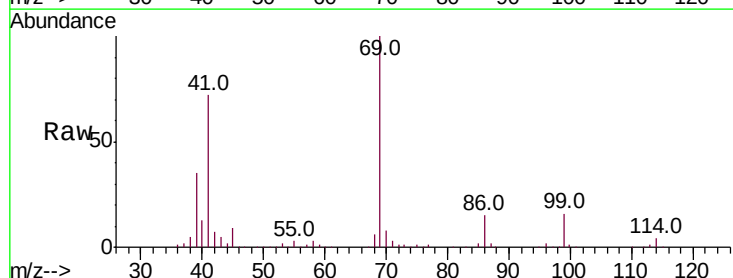
RT: 10.43 min Scan# 2692

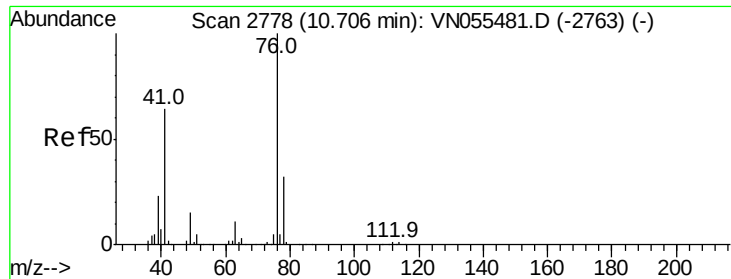
Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Tgt Ion:	69	Resp:	267886
Ion	Ratio	Lower	Upper
69	100		
41	70.2	56.2	84.2
39	33.9	27.8	41.6





#57

1,3-Dichloropropane

Concen: 23.660 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 325040

Ion Ratio Lower Upper

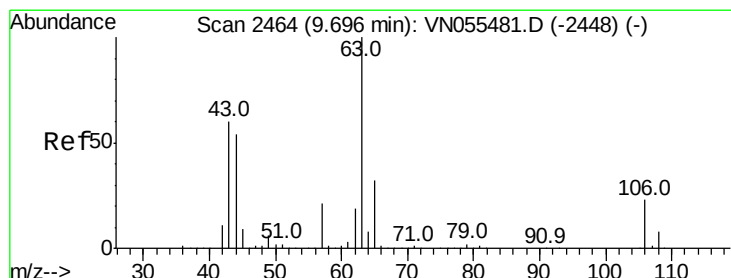
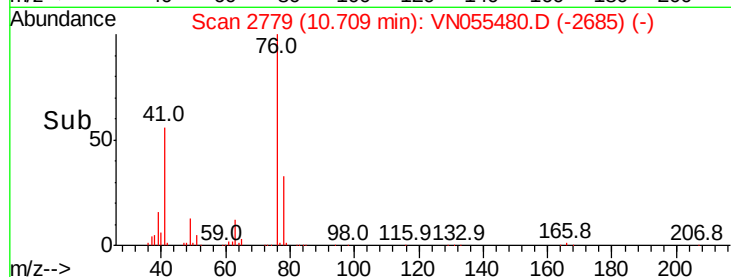
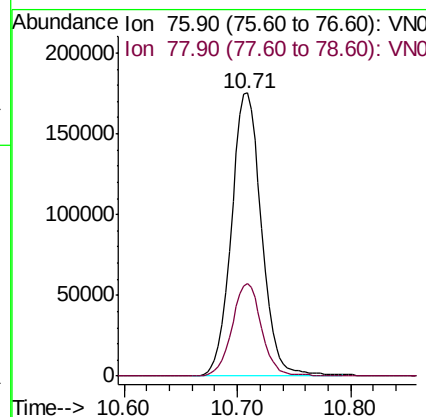
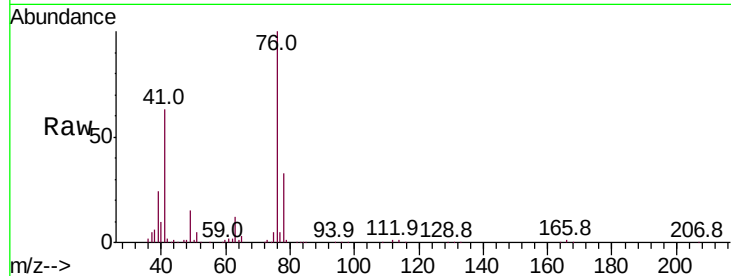
76 100

78 32.1 25.8 38.6

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 133.031 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN055480.D

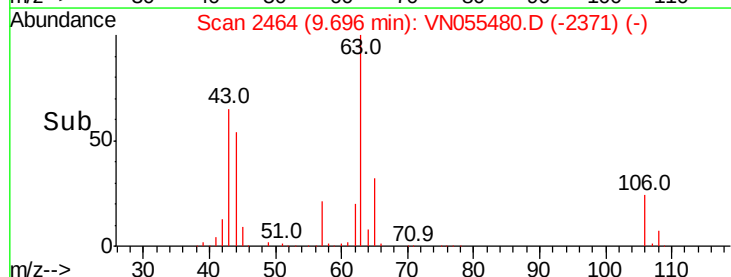
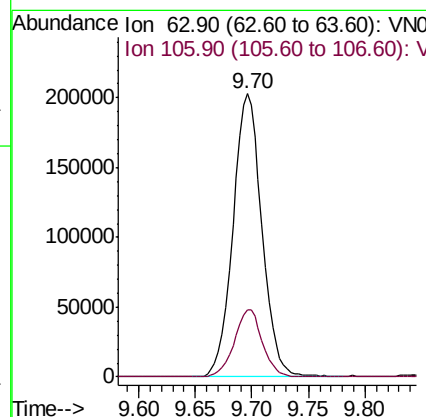
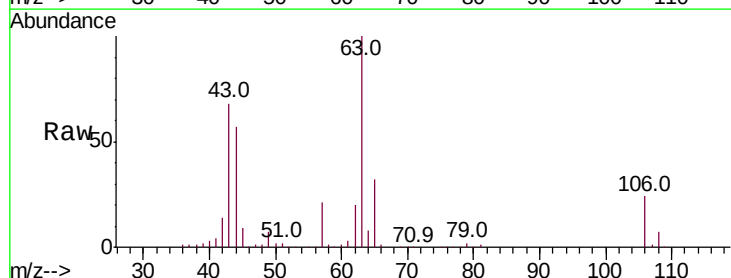
Acq: 8 May 2019 17:24

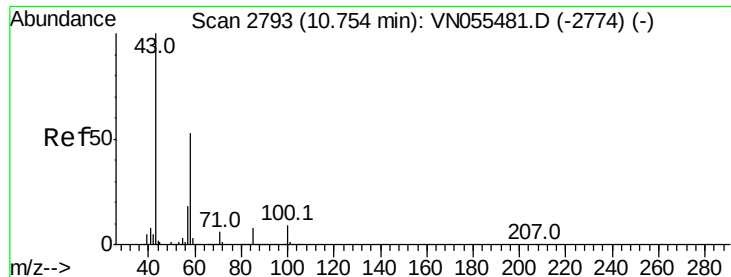
Tgt Ion: 63 Resp: 360249

Ion Ratio Lower Upper

63 100

106 22.9 18.6 27.8





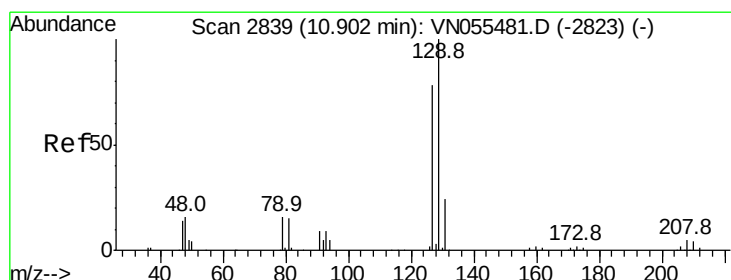
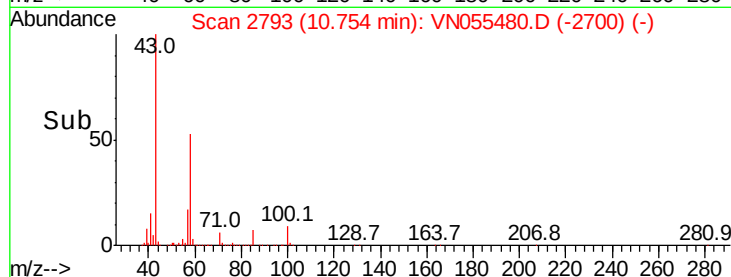
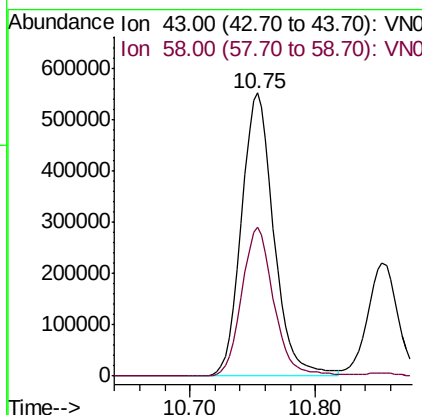
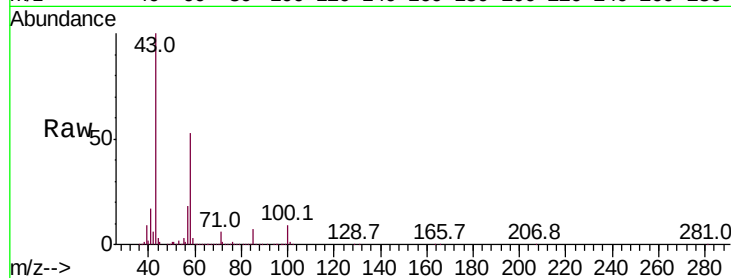
#59
2-Hexanone
Concen: 165.141 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.3	26.4	79.0

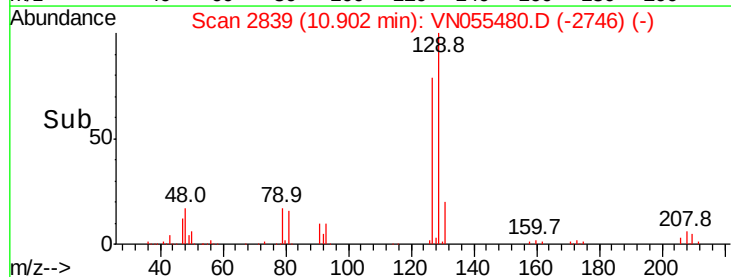
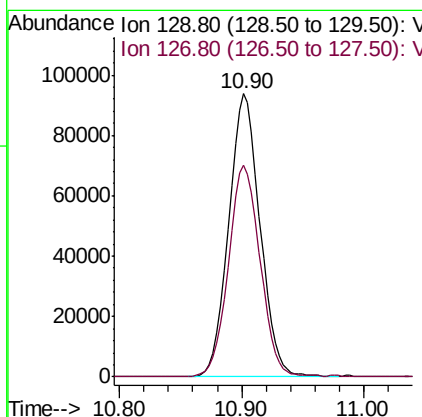
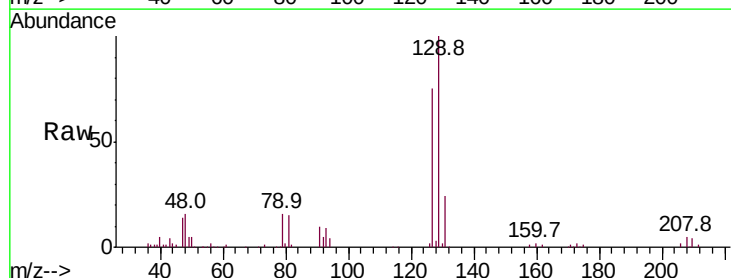
Manual Integrations
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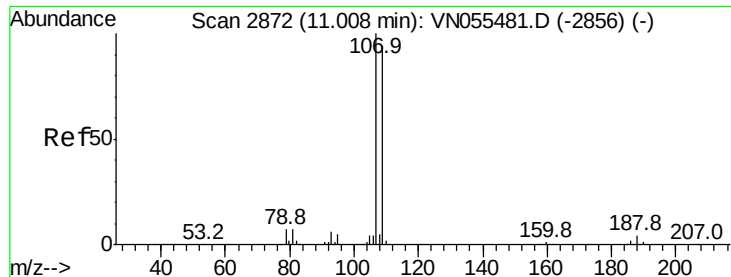
MMDadoda
5/9/2019 6:32:52 PM



#60
Dibromochloromethane
Concen: 21.499 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.8	38.6	116.0





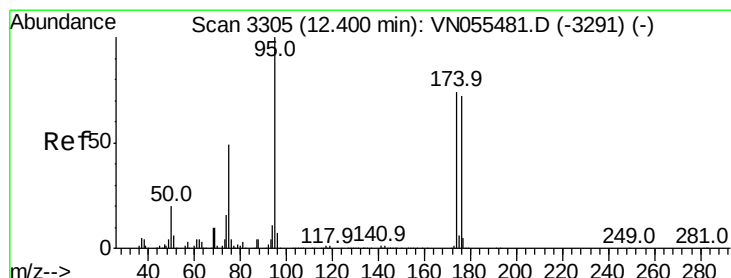
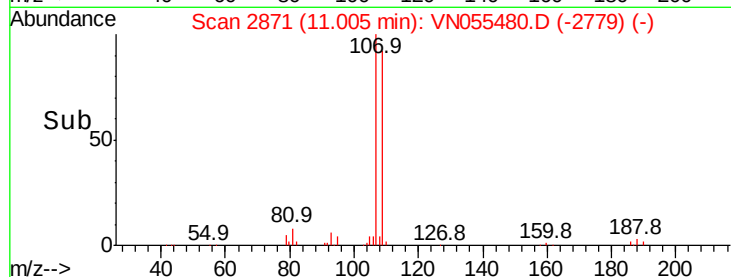
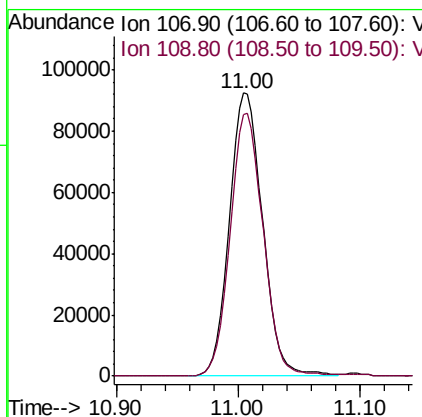
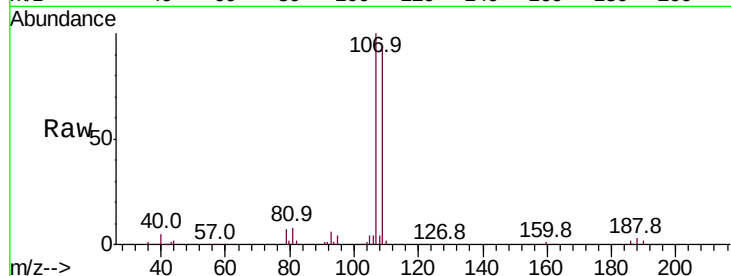
#61
 1,2-Dibromoethane
 Concen: 24.133 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
107	100	175689		
109	92.1	74.2	111.4	

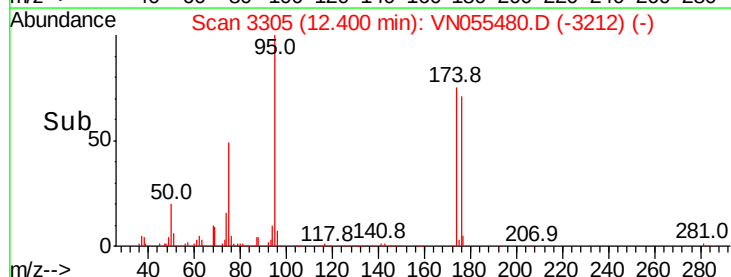
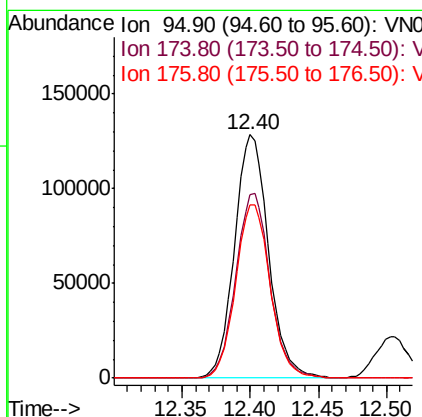
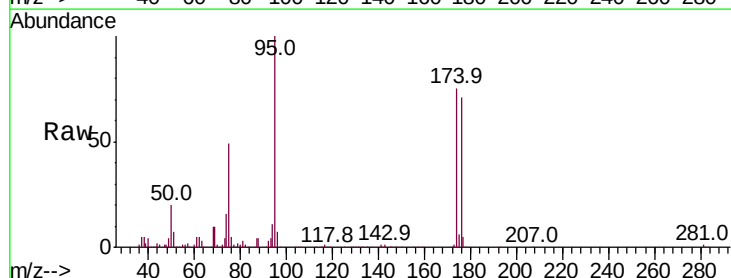
Manual Integrations
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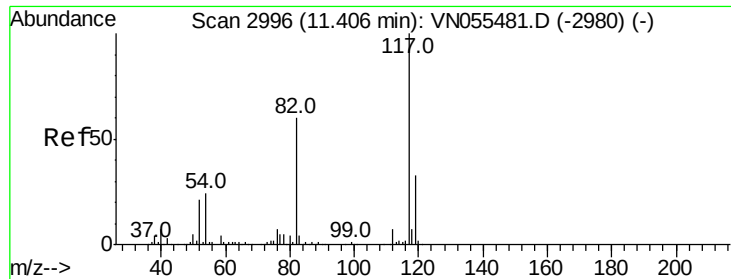
MMDadoda
 5/9/2019 6:32:52 PM



#62
 4-Bromofluorobenzene
 Concen: 23.223 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	222476		
174	76.3	0.0	152.2	
176	72.4	0.0	147.8	





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:117 Resp: 1075926

Ion Ratio Lower Upper

117 100

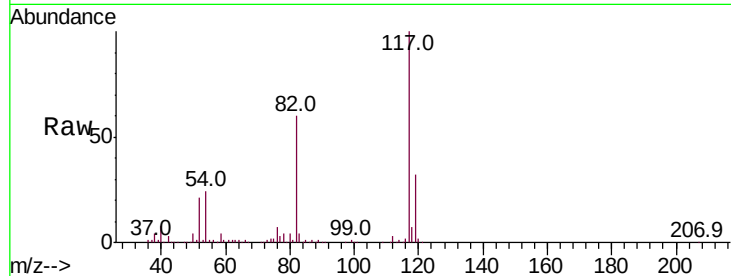
82 59.8 48.0 72.0

119 32.0 26.0 39.0

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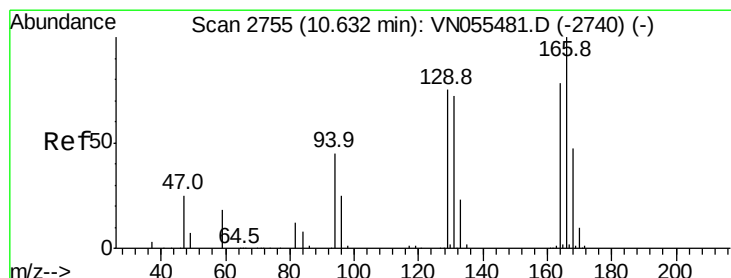
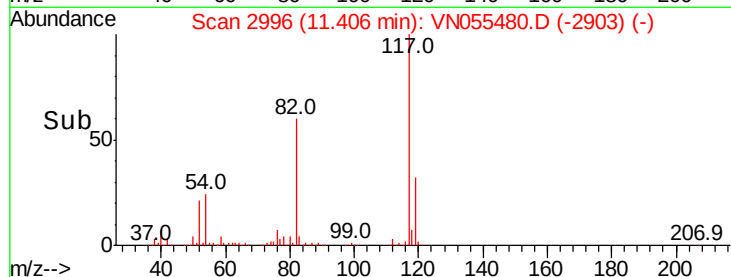
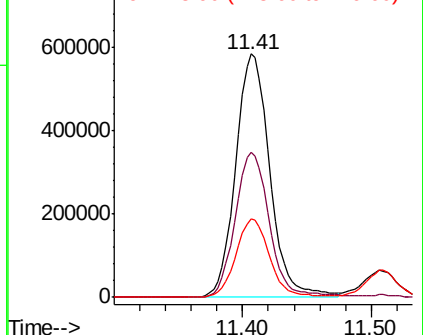


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.010 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Tgt Ion:164 Resp: 177092

Ion Ratio Lower Upper

164 100

166 125.5 102.6 153.8

129 95.9 77.0 115.6

131 92.6 73.7 110.5

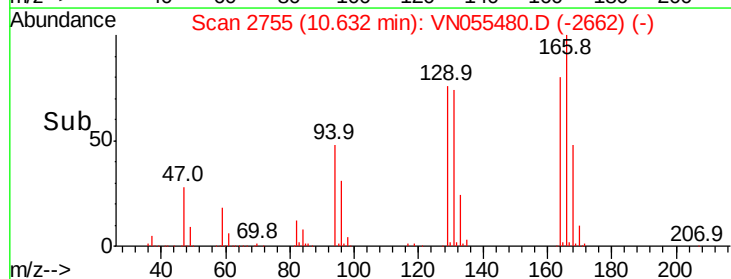
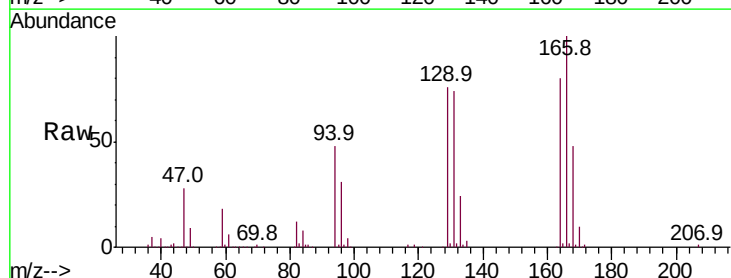
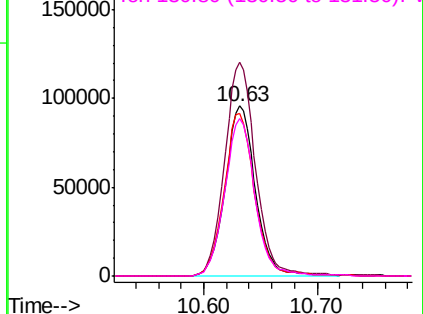
Abundance

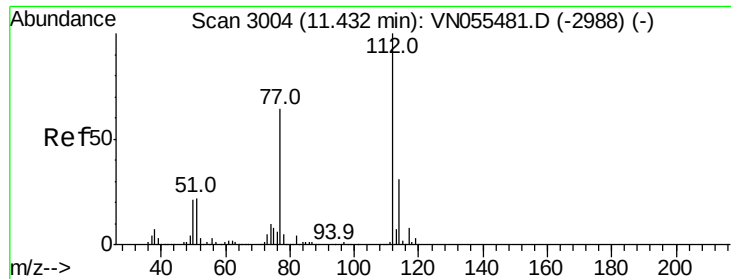
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





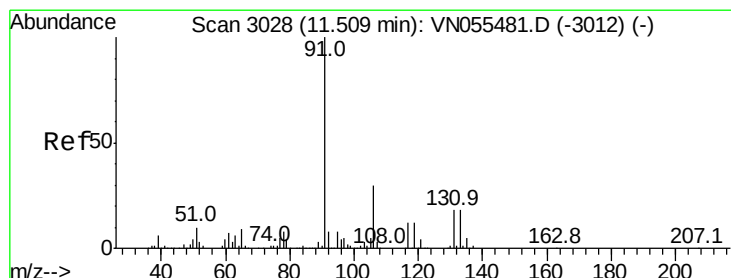
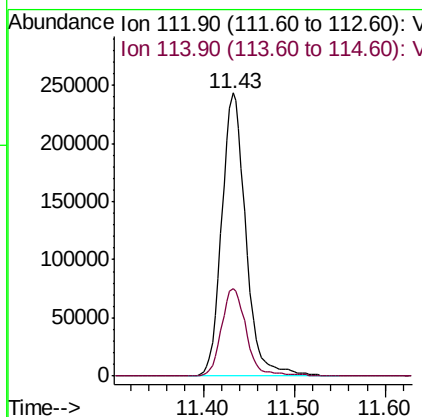
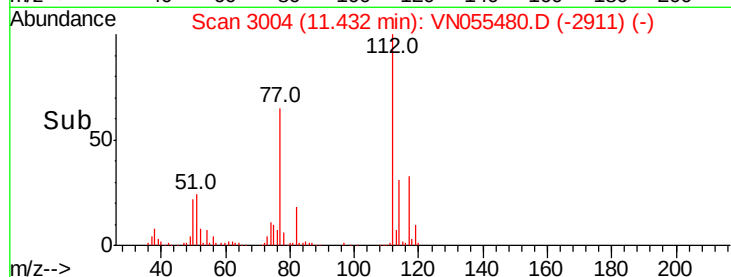
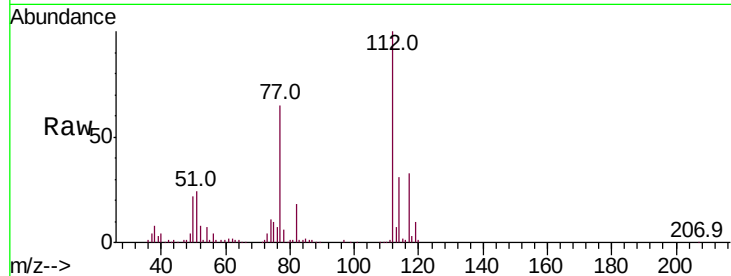
#65
Chlorobenzene
Concen: 20.973 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion:112 Resp: 446922
Ion Ratio Lower Upper
112 100
114 31.0 25.0 37.4

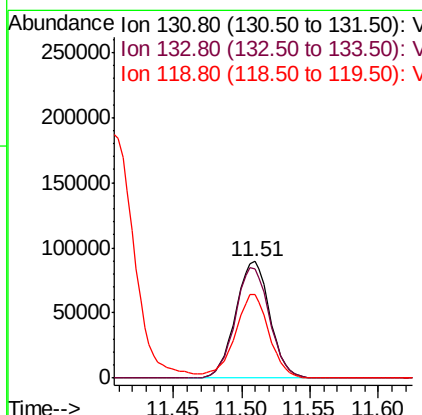
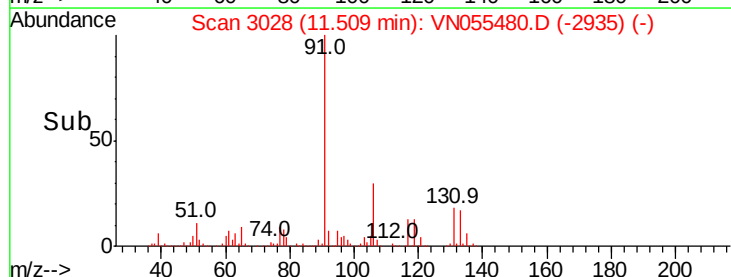
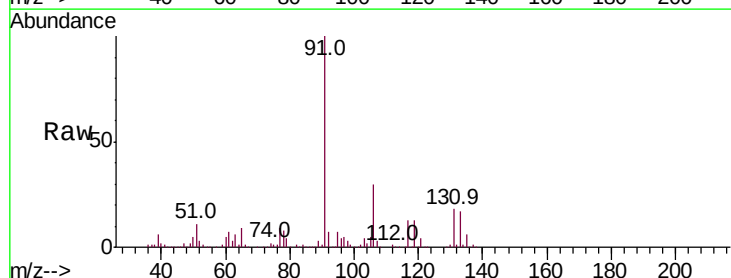
Manual Integrations
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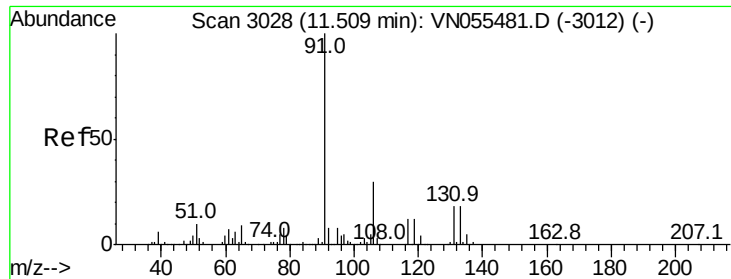
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.117 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion:131 Resp: 156549
Ion Ratio Lower Upper
131 100
133 94.7 47.4 142.2
119 71.7 34.1 102.2





#67

Ethyl Benzene

Concen: 21.846 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 844445

Ion Ratio Lower Upper

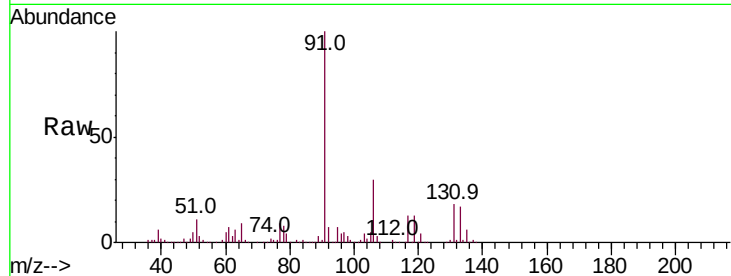
91 100

106 29.8 23.8 35.6

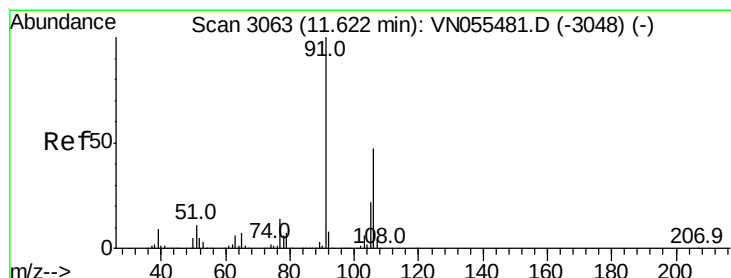
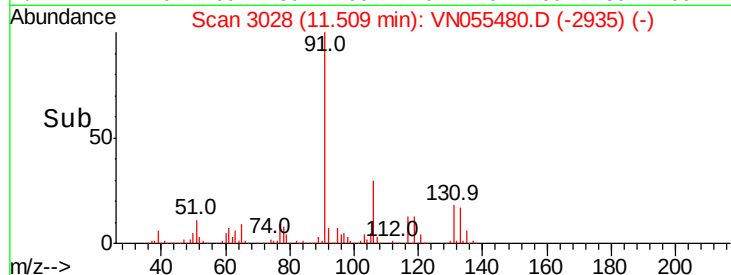
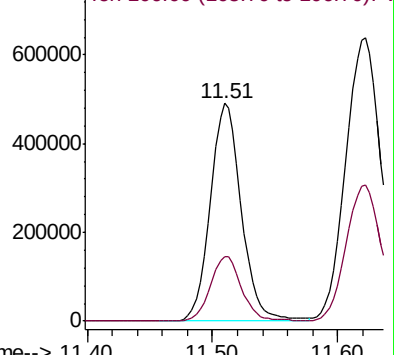
Manual Integrations
APPROVED

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Abundance Ion 91.00 (90.70 to 91.70): VN055480.D (-2935) (-)



#68

m/p-Xylenes

Concen: 44.301 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN055480.D

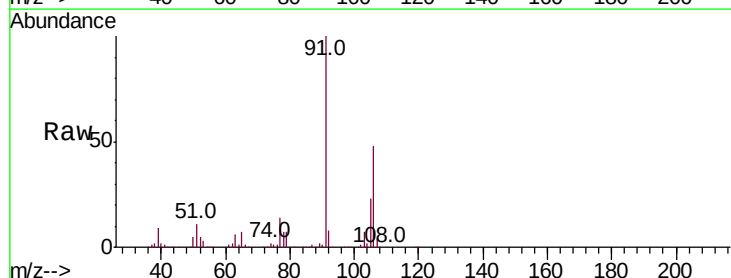
Acq: 8 May 2019 17:24

Tgt Ion: 106 Resp: 612682

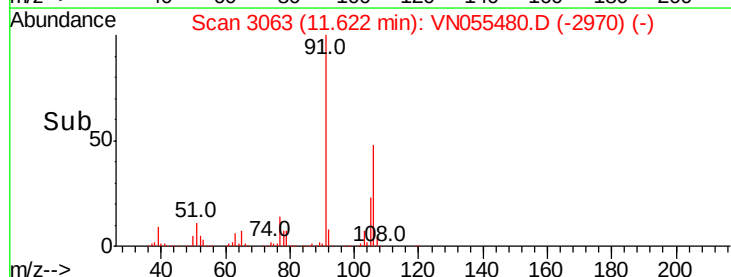
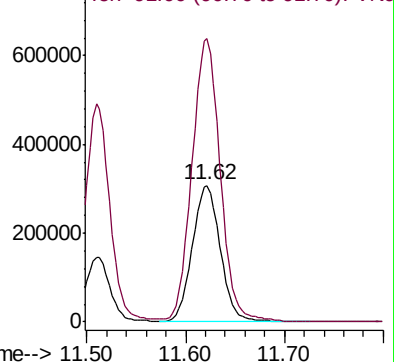
Ion Ratio Lower Upper

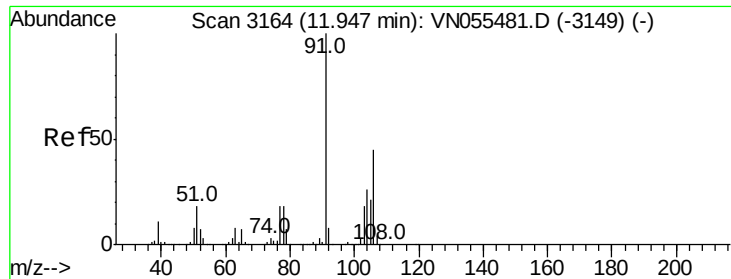
106 100

91 209.8 169.2 253.8



Abundance Ion 106.00 (105.70 to 106.70): VN055480.D (-2970) (-)





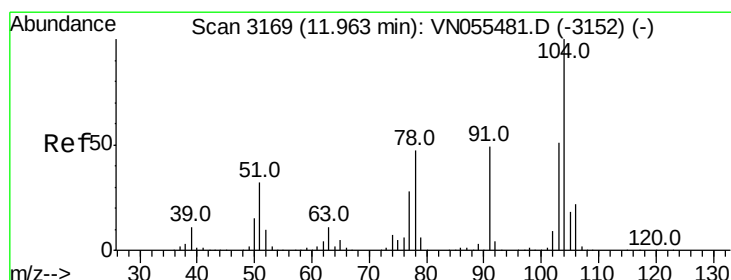
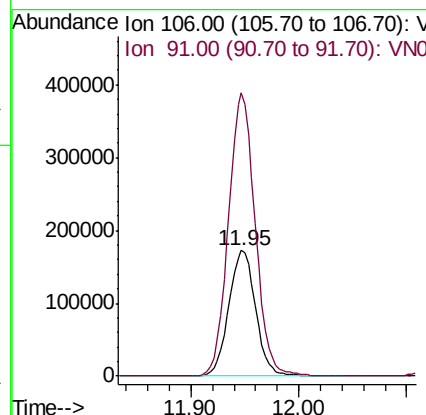
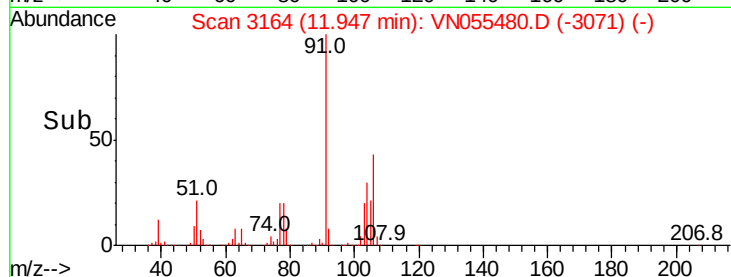
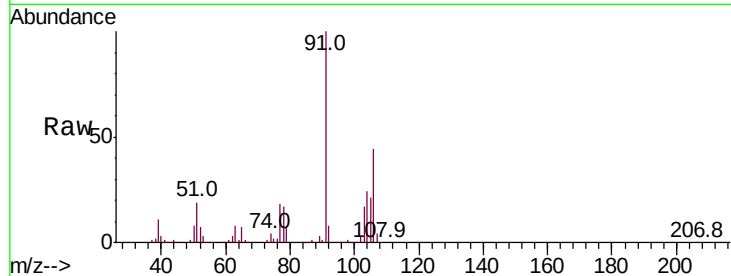
#69
o-Xylene
Concen: 21.872 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	223.2	111.3	333.8

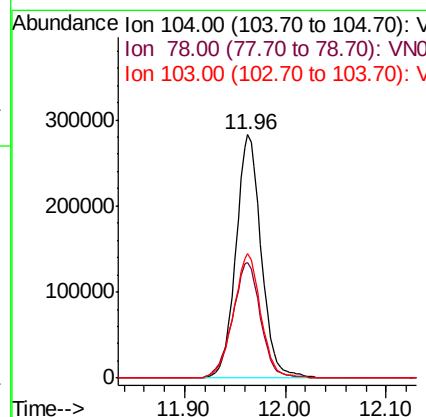
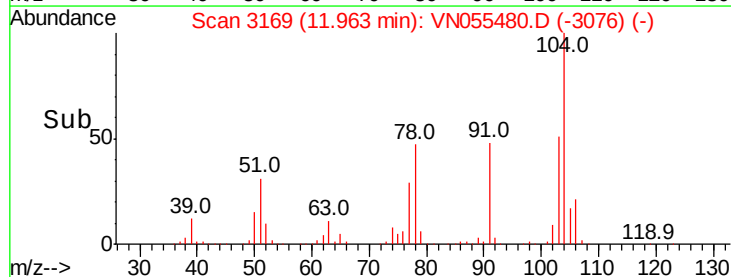
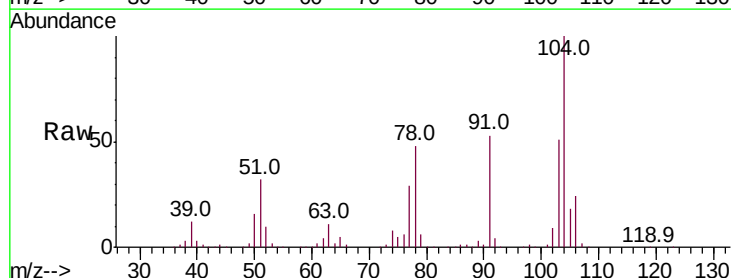
Manual Integrations
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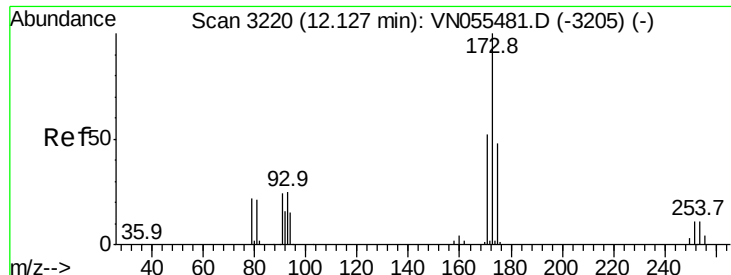
MMDadoda
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#70
Styrene
Concen: 23.382 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.7	41.6	62.4
103	55.2	44.4	66.6





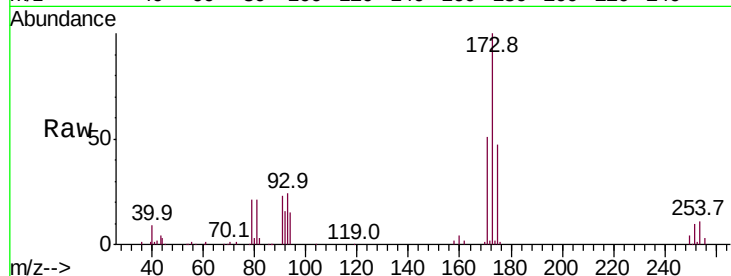
#71
Bromoform
Concen: 22.958 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

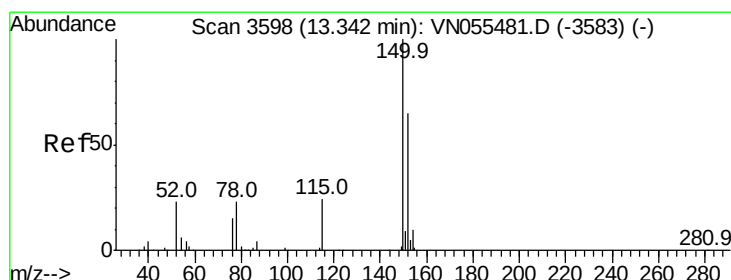
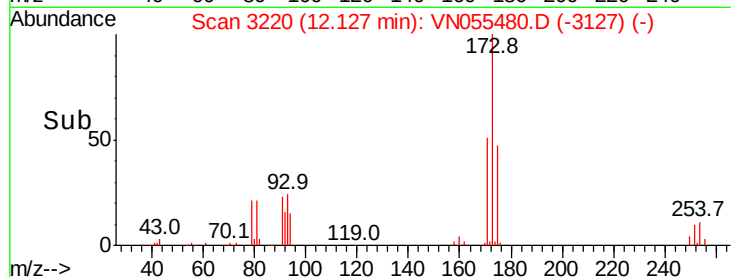
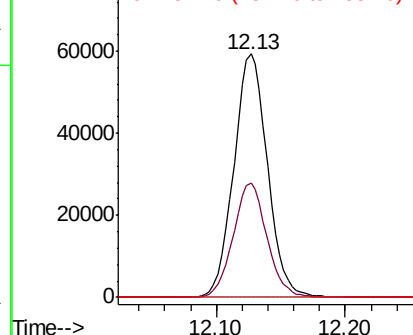
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	24.1	72.4
254	0.0	0.1	0.1#

Manual Integrations
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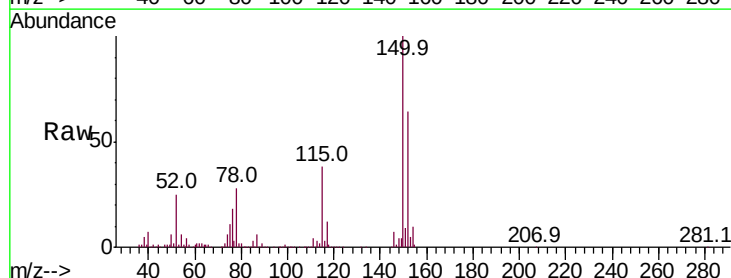


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

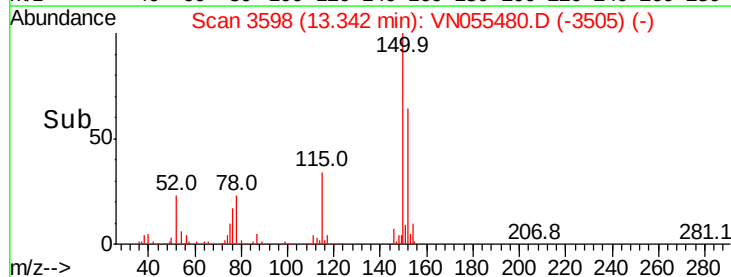
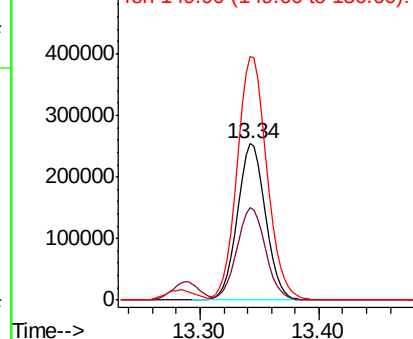


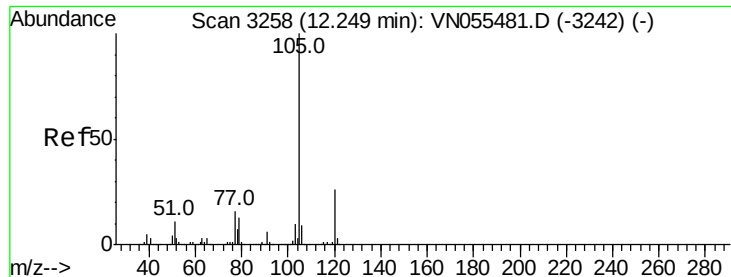
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.1	90.5
150	165.0	0.0	355.0



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





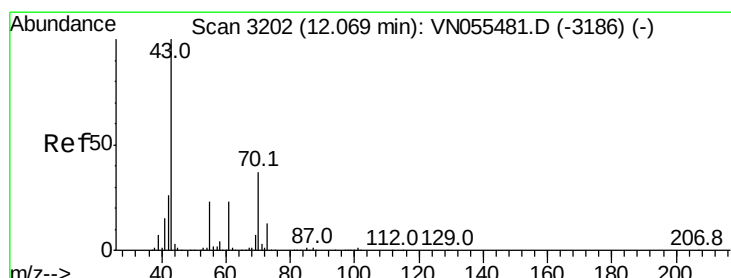
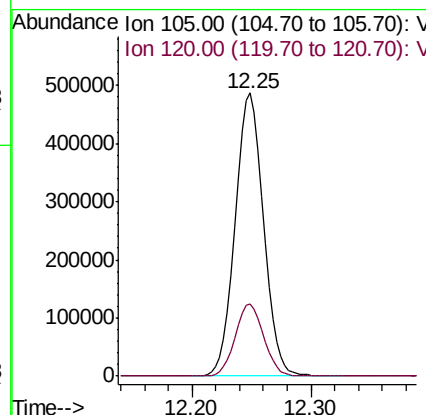
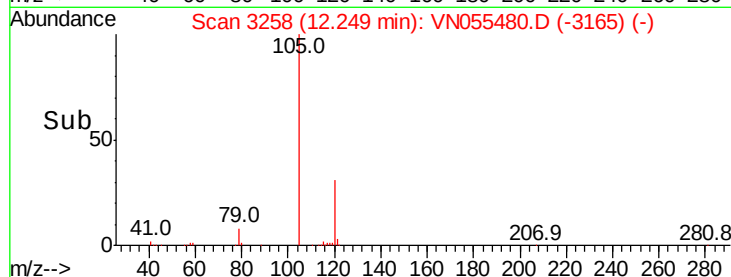
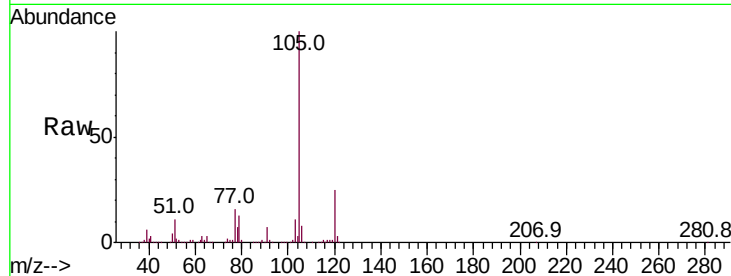
#73
Isopropylbenzene
Concen: 19.291 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.0	39.0

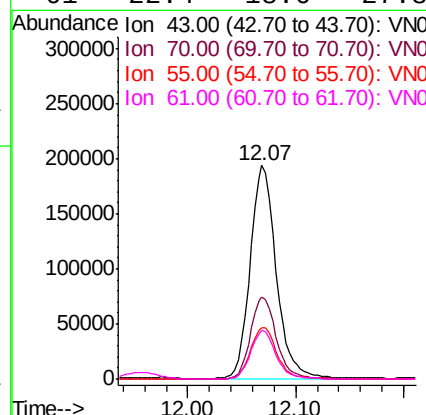
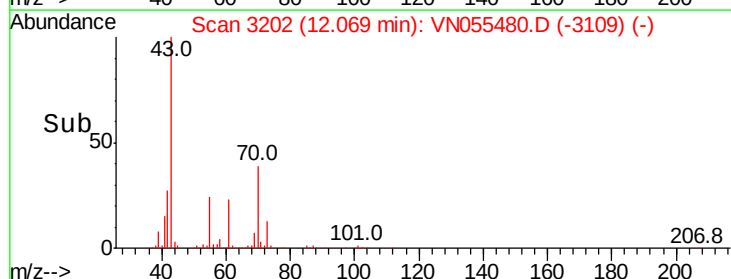
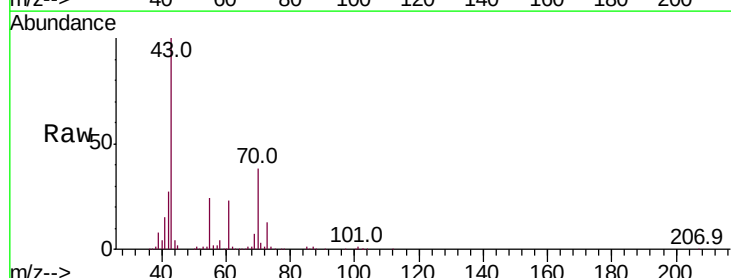
Manual Integrations
APPROVED

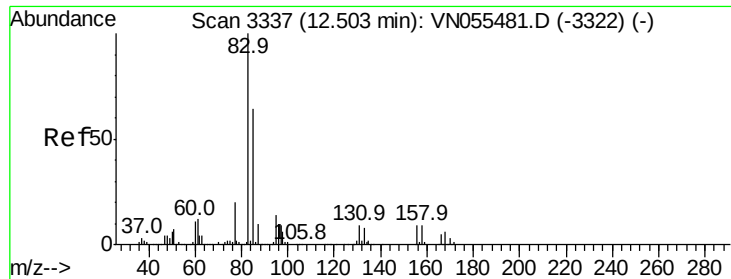
MMDadoda
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#74
N-ethyl acetate
Concen: 28.285 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.1	30.7	46.1
55	24.6	19.3	28.9
61	22.4	18.6	27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 23.272 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

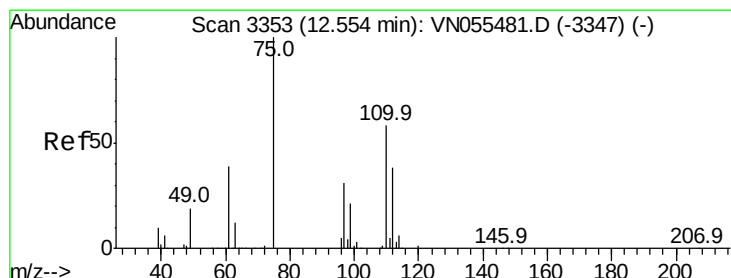
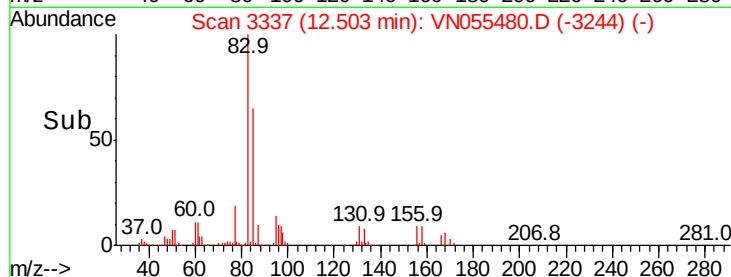
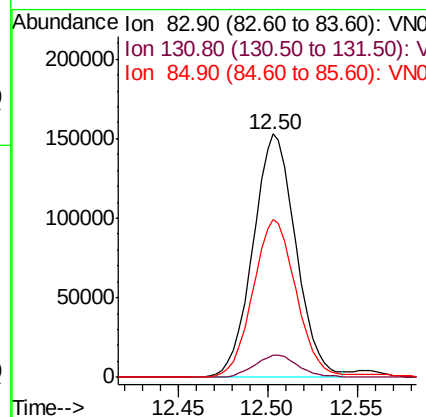
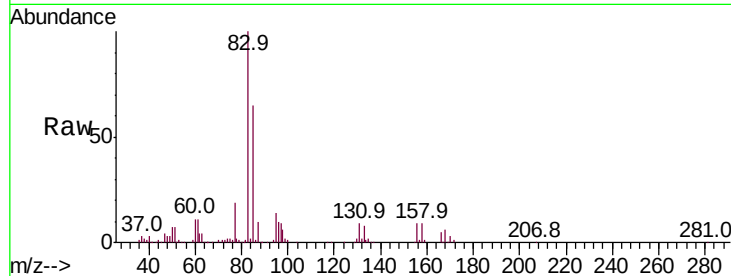
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	256692
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.5	13.5
85	65.5	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 22.355 ug/l m

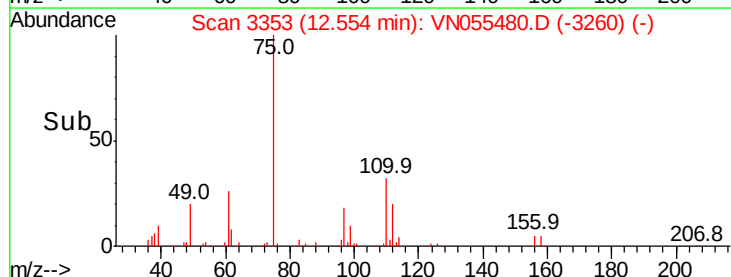
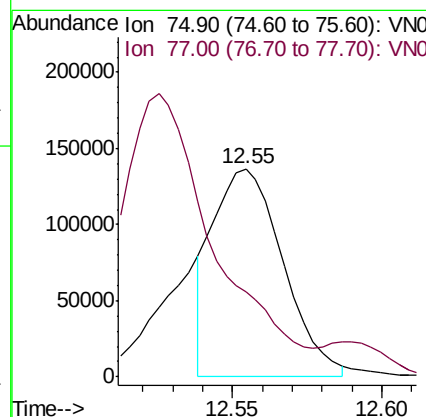
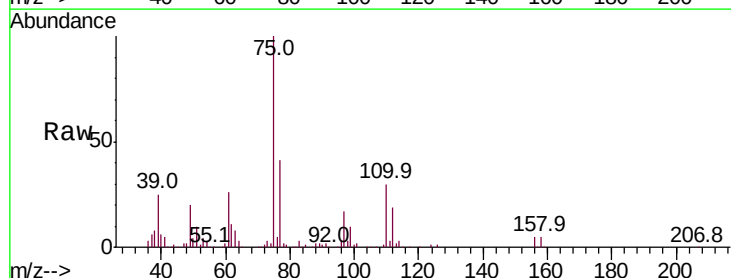
RT: 12.55 min Scan# 3353

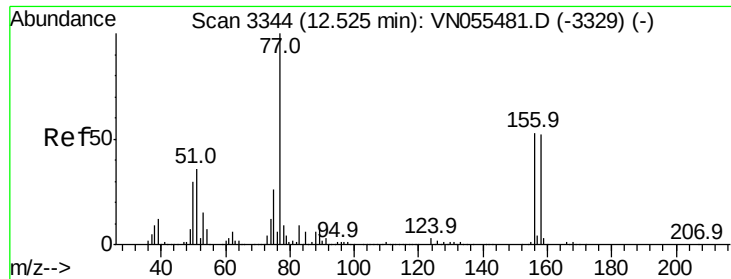
Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Tgt Ion:	75	Resp:	221594
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.561 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:156 Resp: 174943

Ion Ratio Lower Upper

156 100

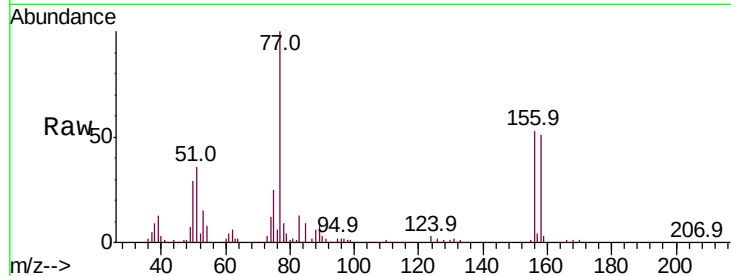
77 234.6 115.4 346.2

158 98.3 48.7 146.1

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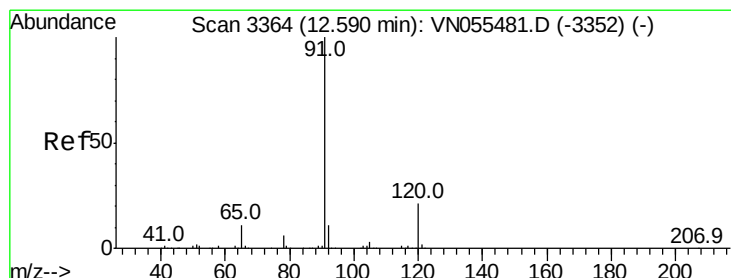
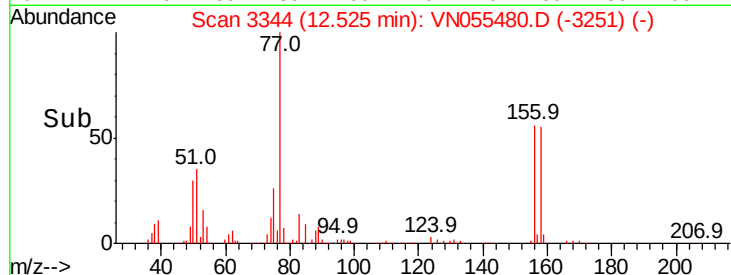
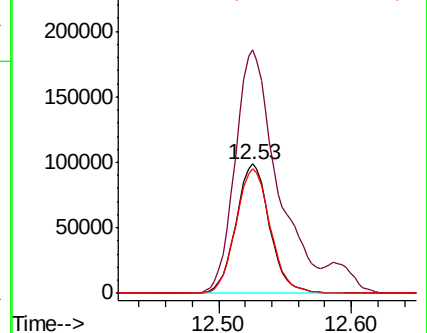
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.794 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055480.D

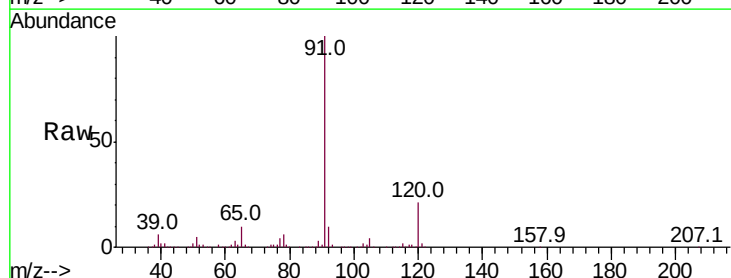
Acq: 8 May 2019 17:24

Tgt Ion: 91 Resp: 897039

Ion Ratio Lower Upper

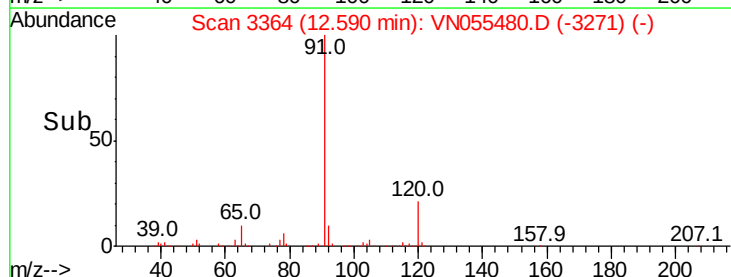
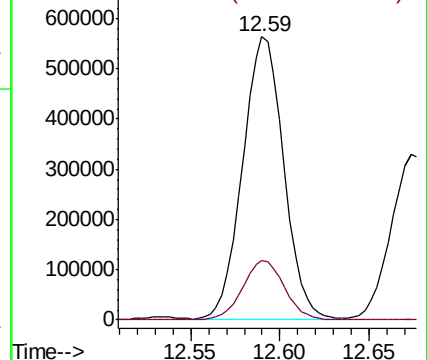
91 100

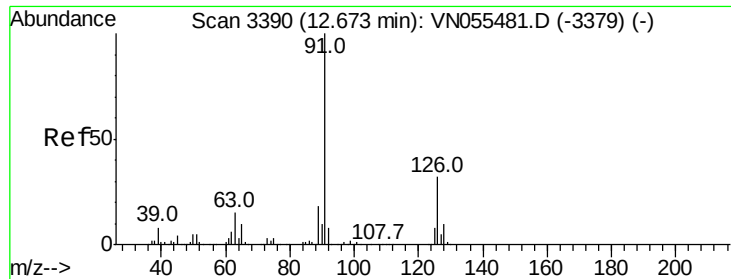
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.069 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 553666

Ion Ratio Lower Upper

91 100

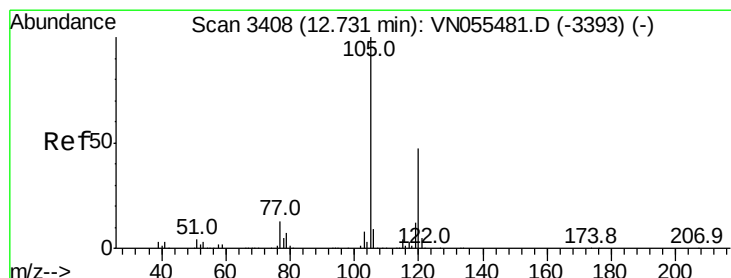
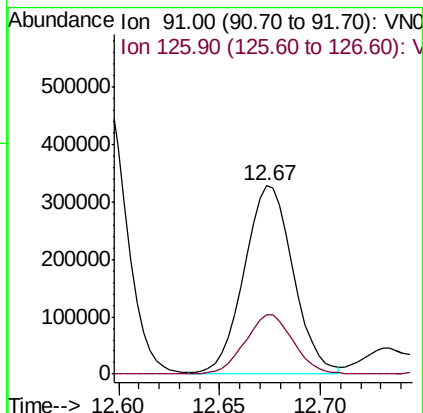
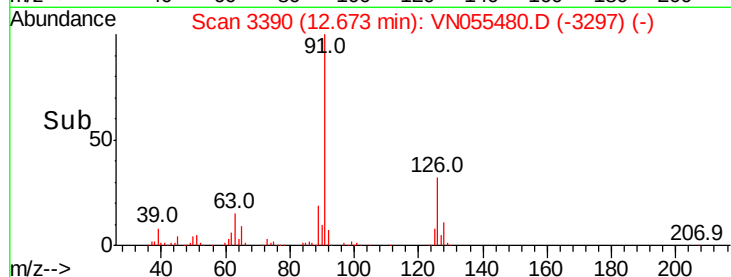
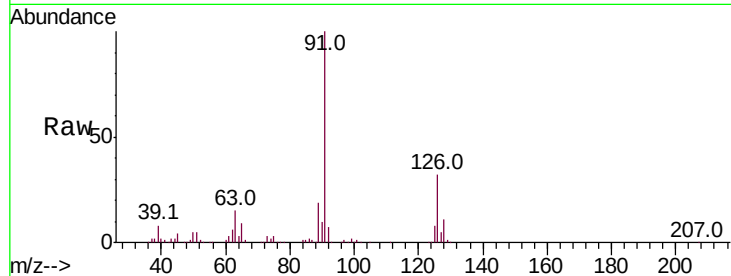
126 31.6 16.0 47.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.065 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055480.D

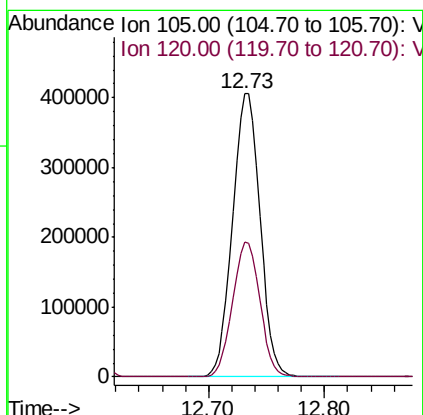
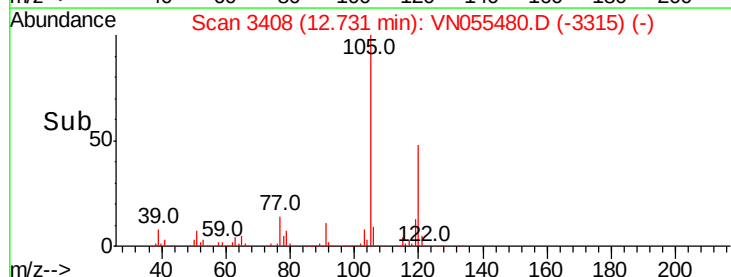
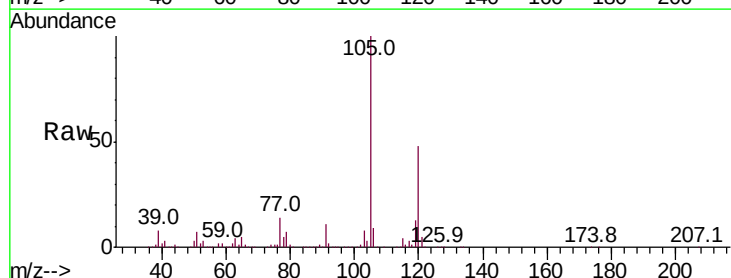
Acq: 8 May 2019 17:24

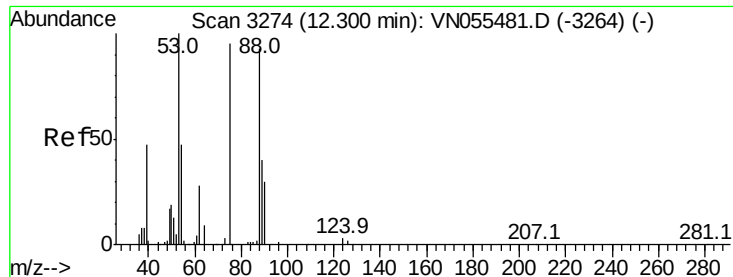
Tgt Ion:105 Resp: 661652

Ion Ratio Lower Upper

105 100

120 47.6 23.4 70.0





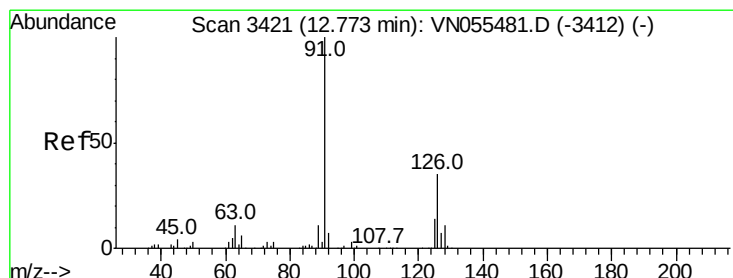
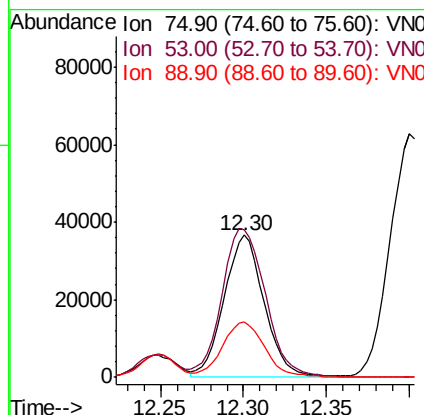
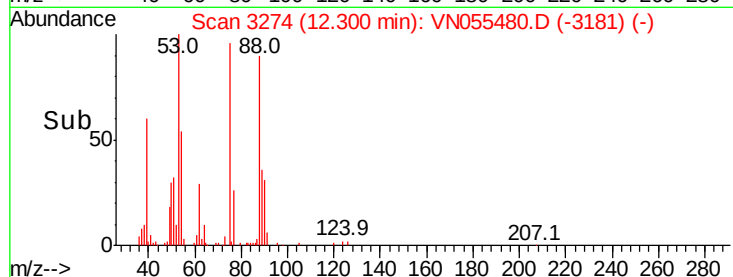
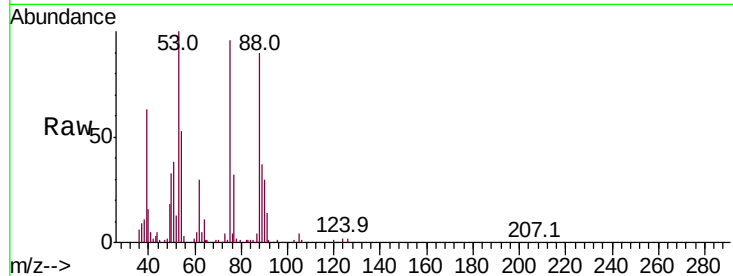
#81
trans-1,4-Dichloro-2-butene
Concen: 26.132 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.9	86.5	129.7
89	41.2	35.7	53.5

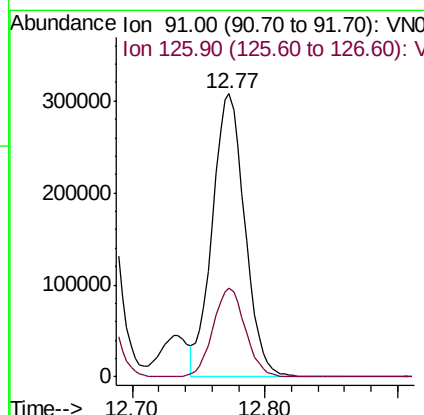
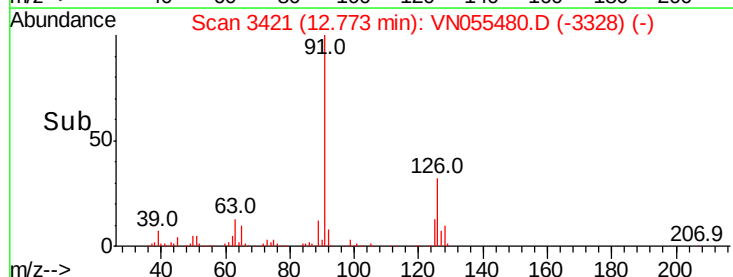
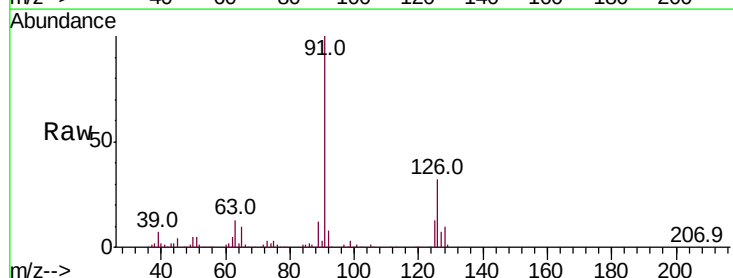
Manual Integrations
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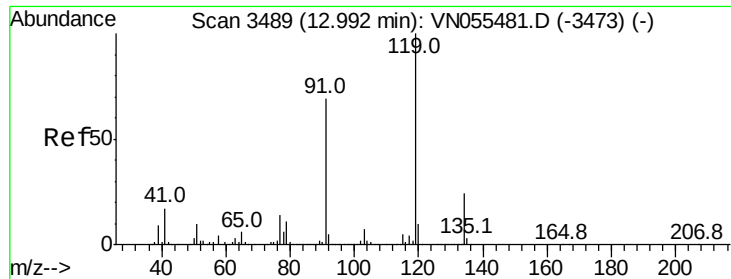
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#82
4-Chlorotoluene
Concen: 20.735 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.0





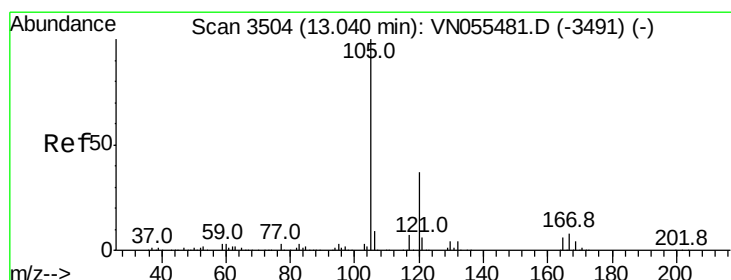
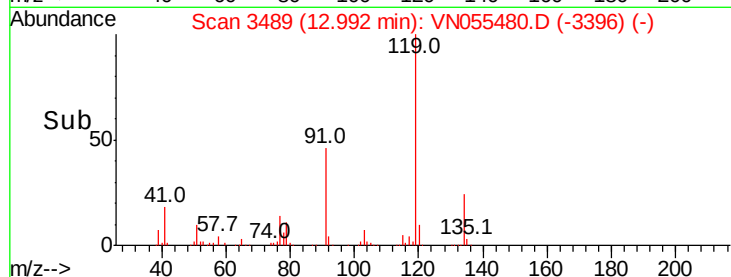
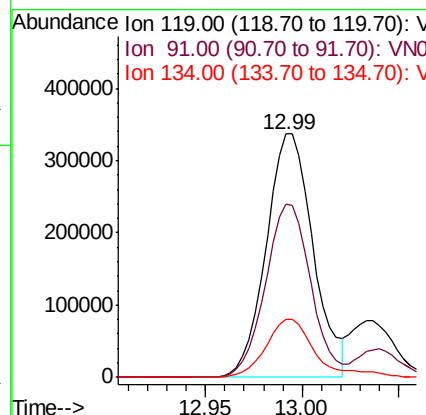
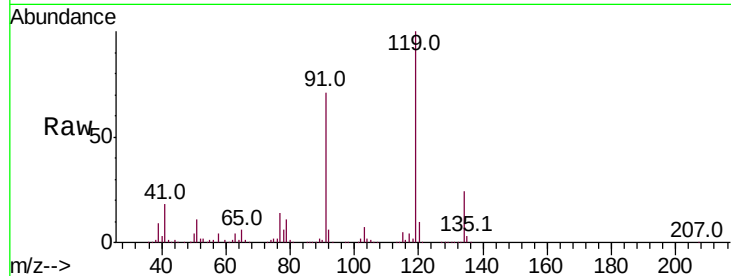
#83
 tert-Butylbenzene
 Concen: 19.311 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.5	33.8	101.3
134	25.1	12.5	37.5

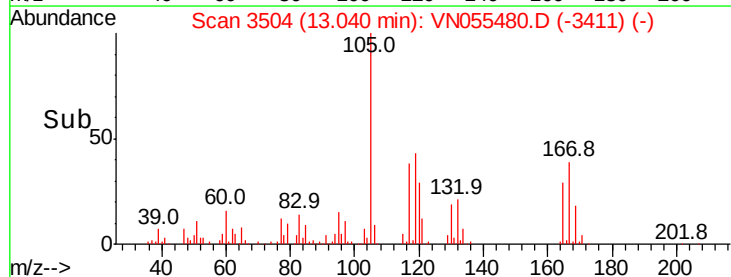
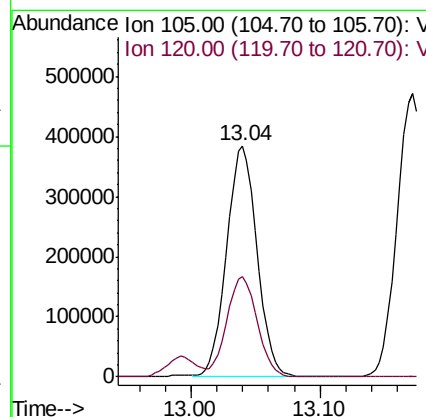
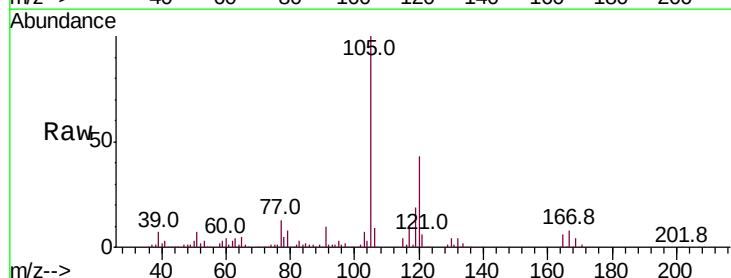
Manual Integrations
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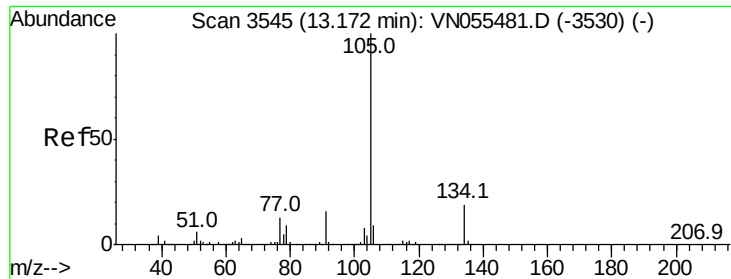
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.245 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.5





#85

sec-Butylbenzene

Concen: 21.049 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 757004

Ion Ratio Lower Upper

105 100

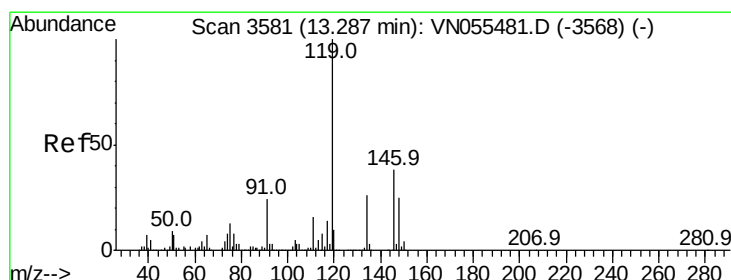
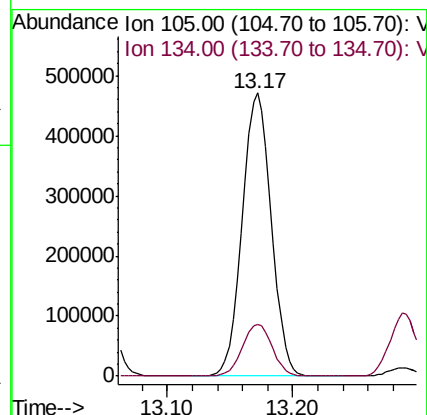
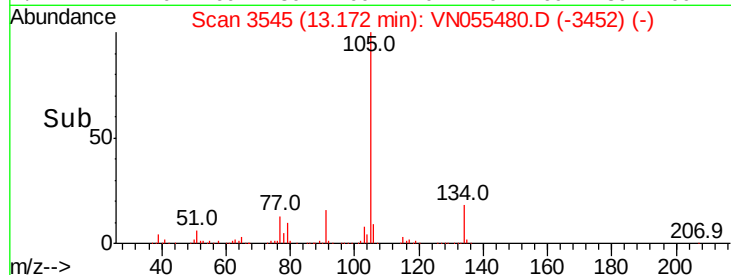
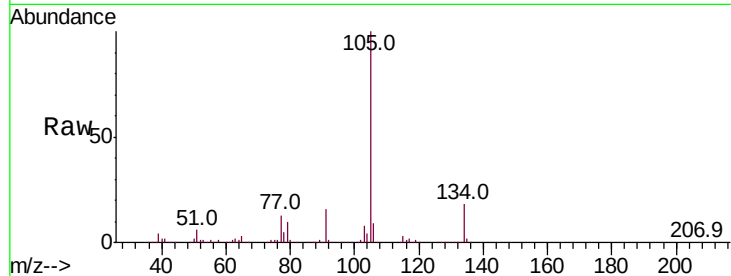
134 18.7 9.3 28.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.176 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

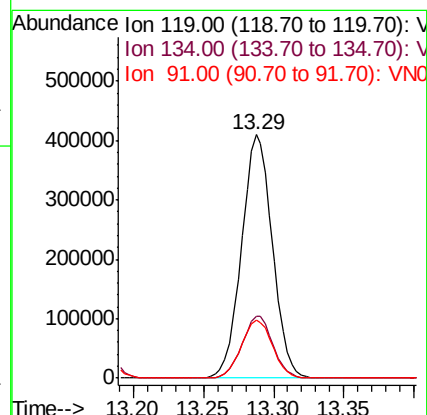
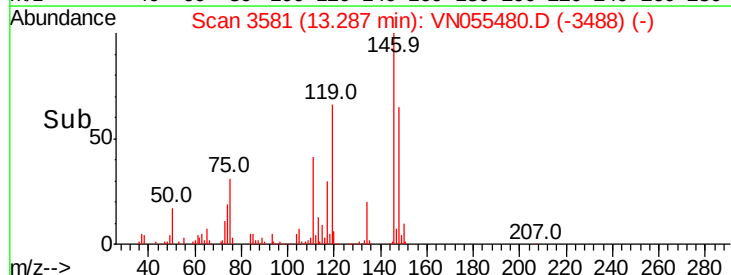
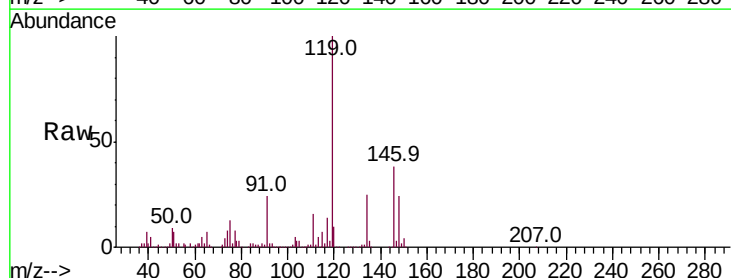
Tgt Ion:119 Resp: 625040

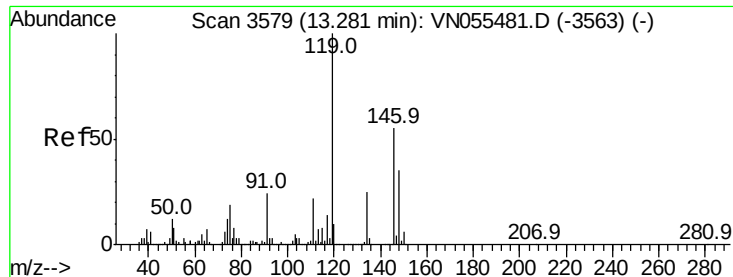
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 24.1 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 20.552 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

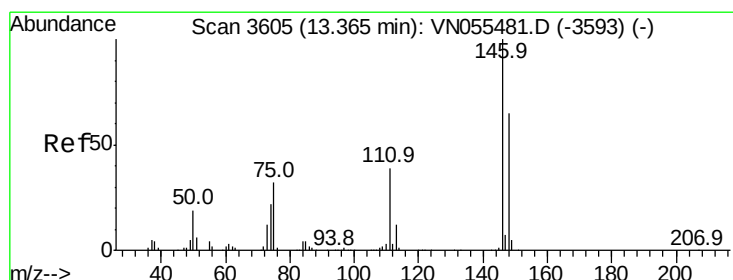
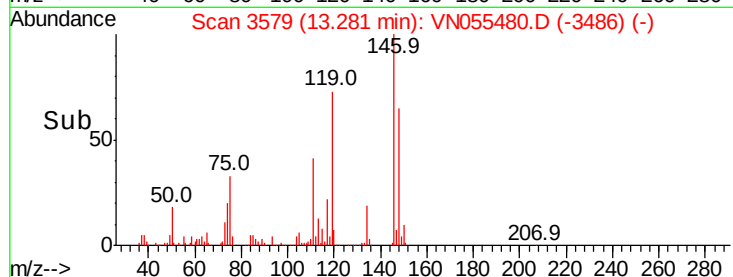
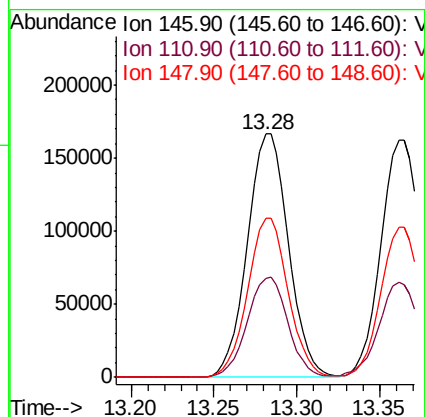
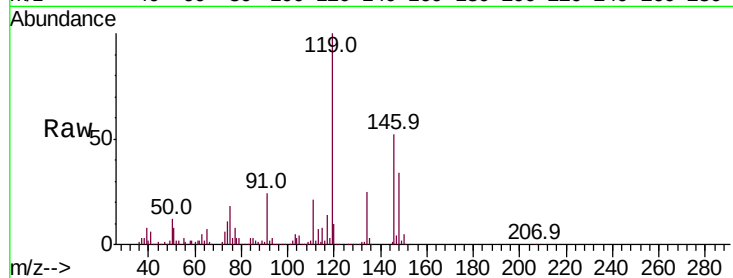
ClientSampled :

VSTDIC020

Tot Ion:	146	Resp:	288537
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.4	61.3
148	64.4	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.110 ug/l

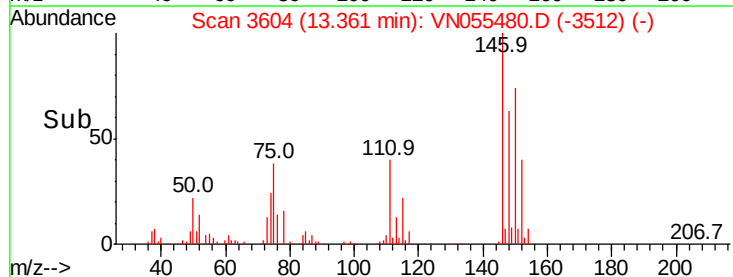
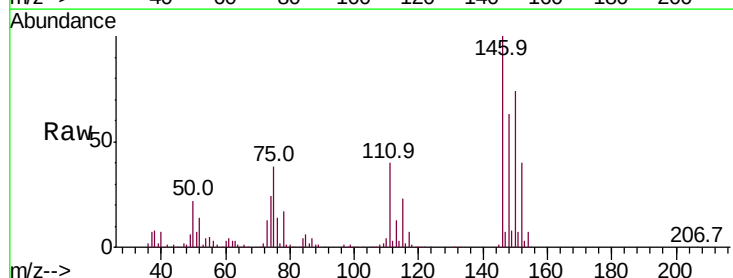
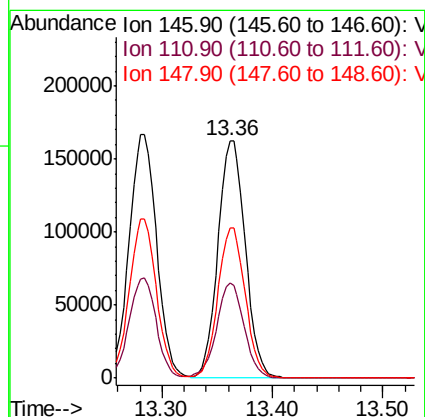
RT: 13.36 min Scan# 3604

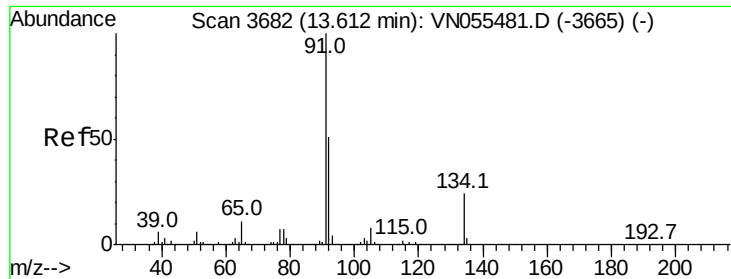
Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Tgt Ion:	146	Resp:	279255
Ion Ratio	Lower	Upper	
146	100		
111	40.1	19.6	58.8
148	63.4	32.5	97.4





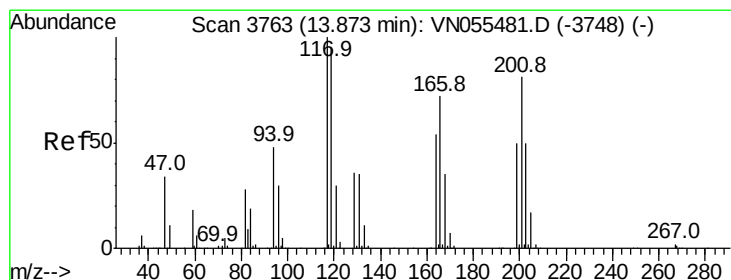
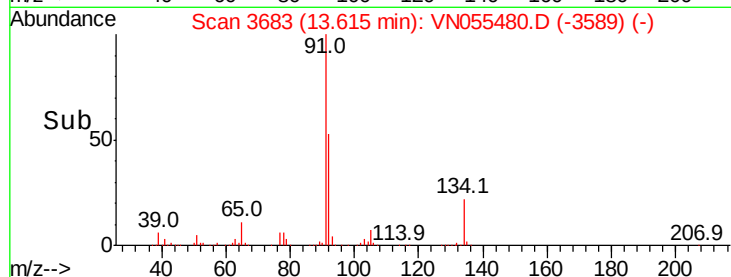
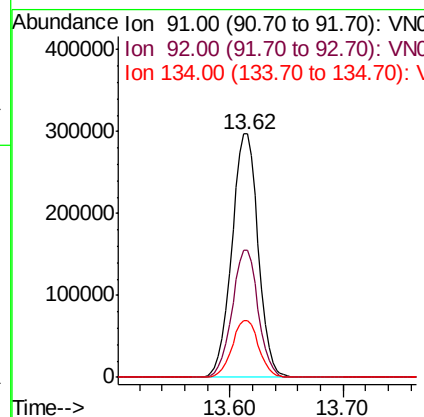
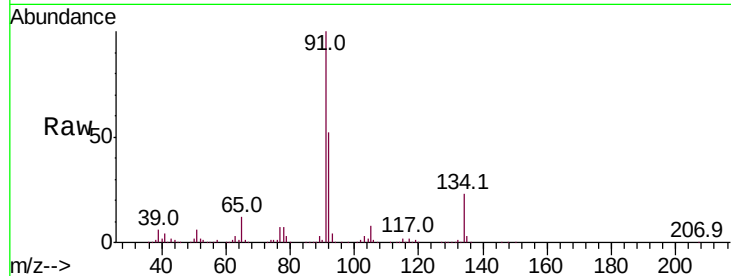
#89
n-Butylbenzene
Concen: 22.602 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.9	77.7
134	23.6	11.8	35.4

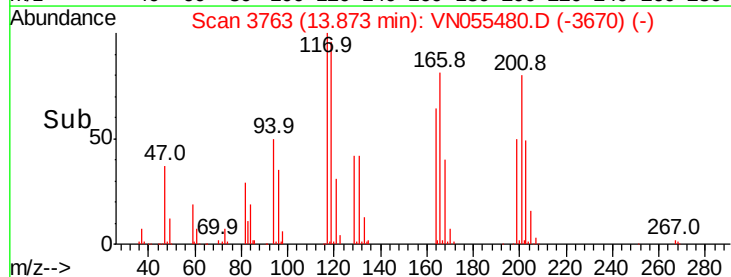
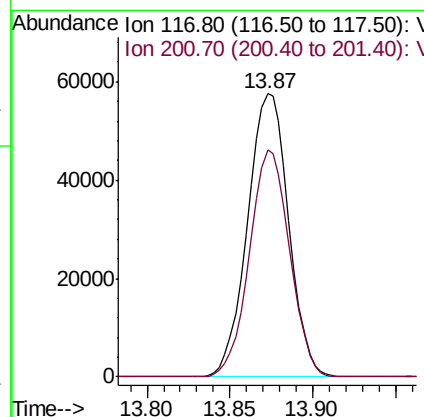
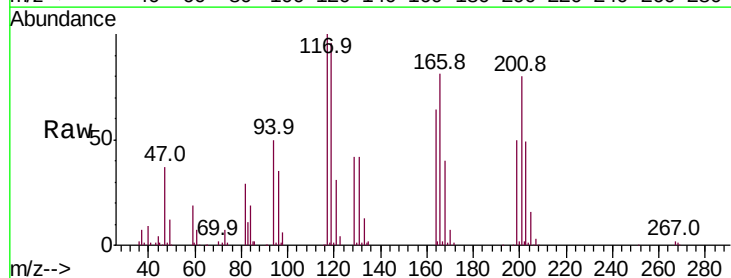
Manual Integrations
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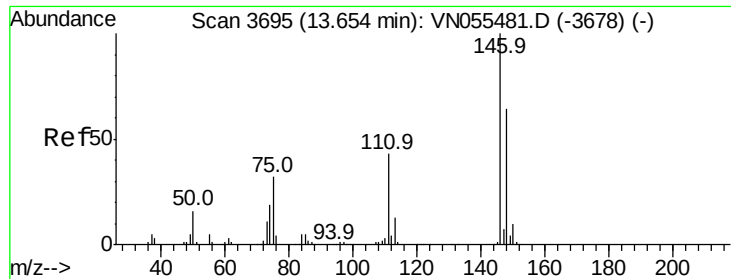
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#90
Hexachloroethane
Concen: 18.102 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.3	40.1	120.2





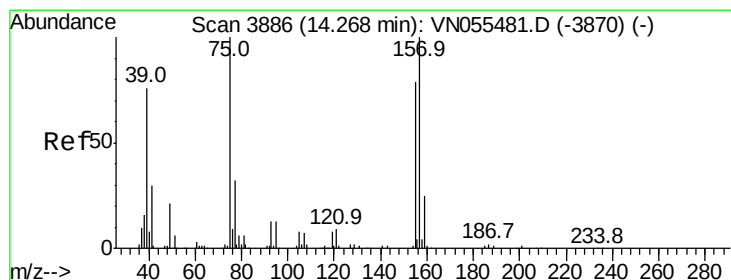
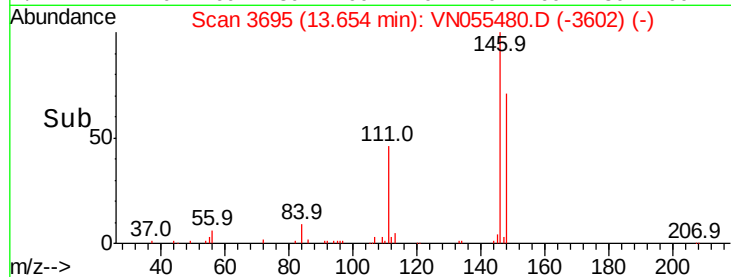
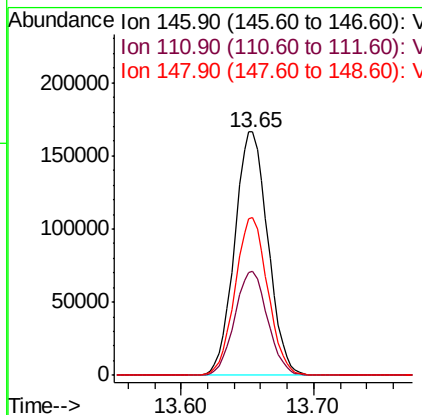
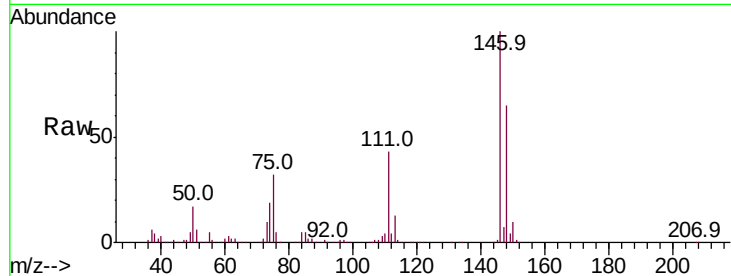
#91
 1,2-Dichlorobenzene
 Concen: 20.769 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.3	63.7
148	63.7	31.9	95.9

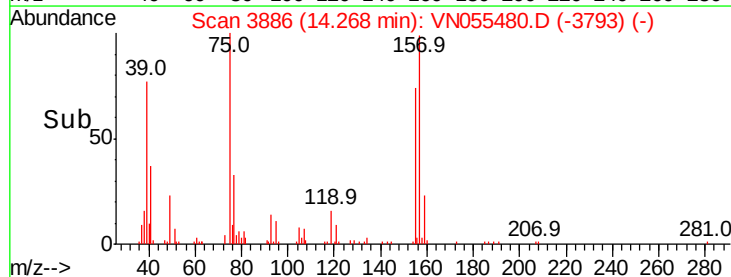
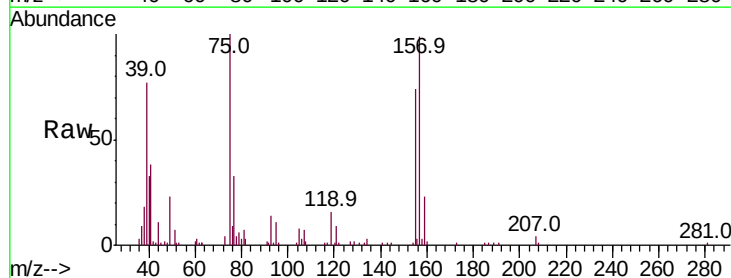
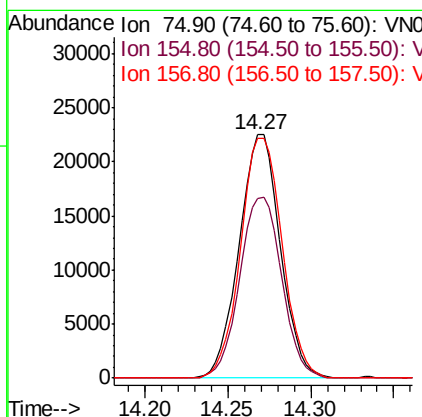
Manual Integrations
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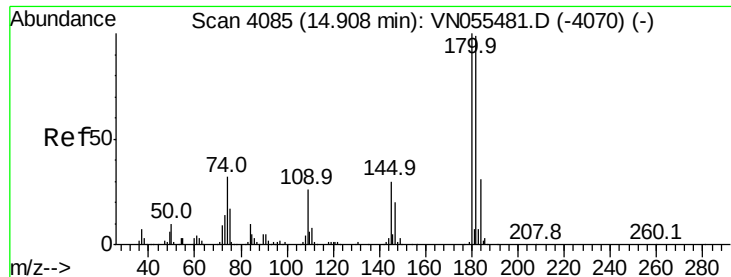
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 31.895 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.9	39.3	117.8
157	99.8	50.6	151.8





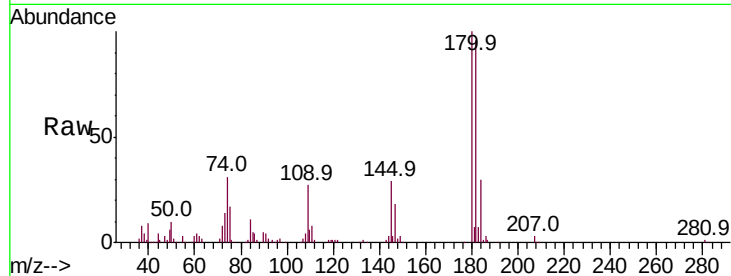
#93
 1,2,4-Trichlorobenzene
 Concen: 21.432 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.9	48.7	146.1	
145	29.6	15.3	45.9	

Manual Integrations
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 5/9/2019 6:32:52 PM

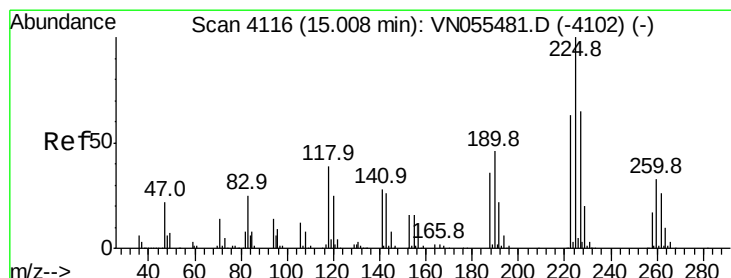
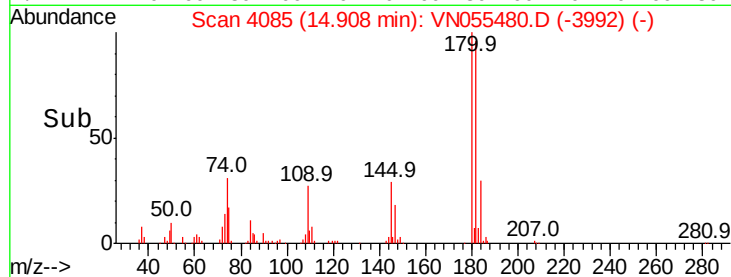
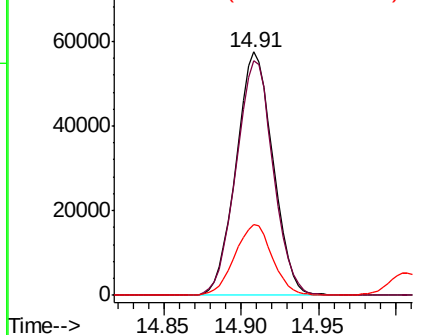


Abundance

Ion 179.80 (179.50 to 180.50): V

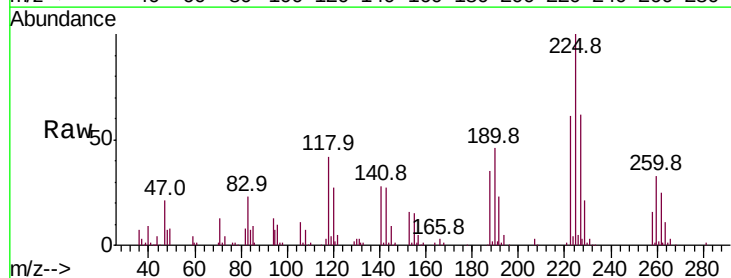
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.939 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.9	31.4	94.3	
227	62.8	32.0	96.0	

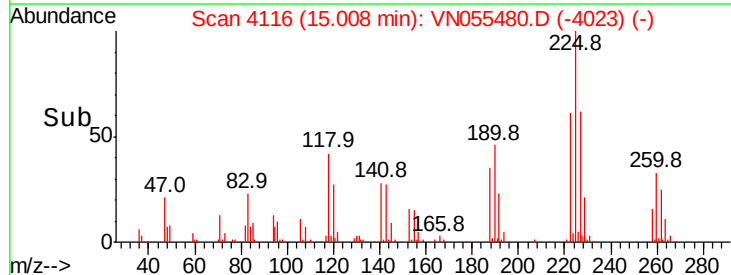
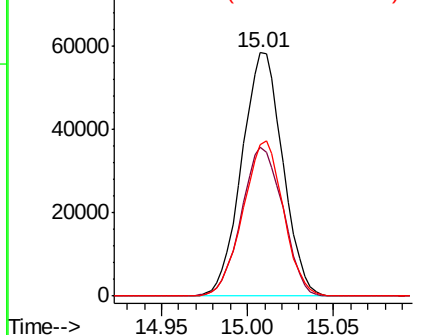


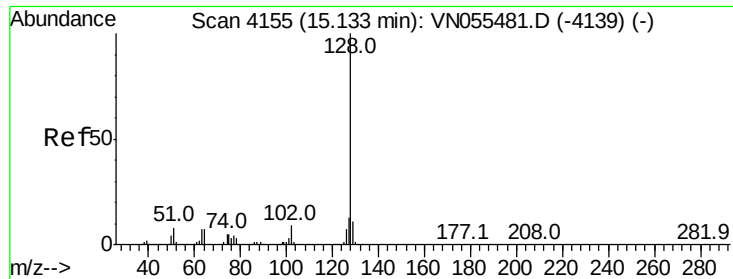
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 26.019 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

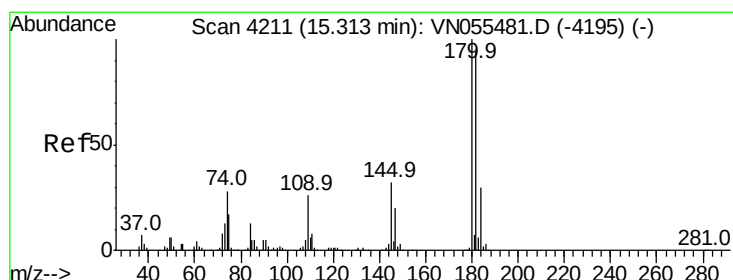
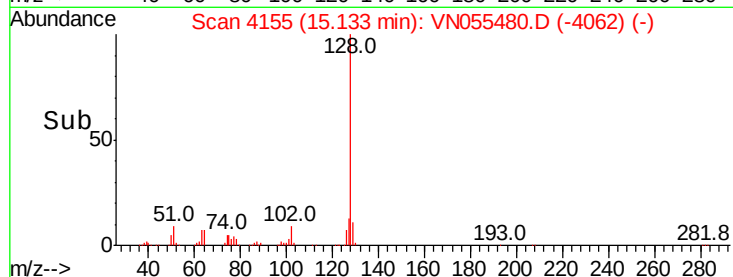
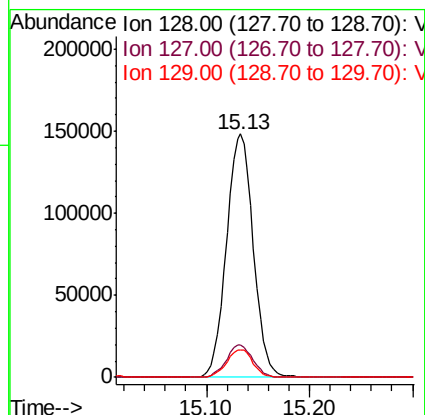
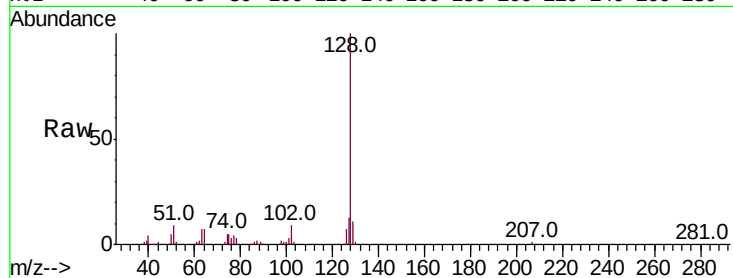
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	268443
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.0	15.0
129	11.0	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 23.606 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Tgt Ion:	180	Resp:	109969
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.1	141.3
145	32.1	15.8	47.4

