

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121118\
 Data File : VN052793.D
 Acq On : 11 Dec 2018 10:50
 Operator : MD\SY
 Sample : VN1211WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 11:33:09 AM

Quant Time: Dec 12 00:45:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1024036	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1542792	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1364307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	657658	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	548802	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
35) Dibromofluoromethane	7.59	113	445534	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	
50) Toluene-d8	10.09	98	1897880	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
62) 4-Bromofluorobenzene	12.40	95	669888	53.85	ug/l	0.00
Spiked Amount			Recovery	=	107.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	156636	16.336	ug/l	99
3) Chloromethane	2.06	50	197452	15.601	ug/l	99
4) Vinyl Chloride	2.19	62	215279	16.558	ug/l	100
5) Bromomethane	2.58	94	128307	15.816	ug/l	97
6) Chloroethane	2.71	64	132512	16.826	ug/l	97
7) Trichlorofluoromethane	3.02	101	293229	18.361	ug/l	100
8) Diethyl Ether	3.41	74	110605	18.754	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	194774	19.545	ug/l	99
10) Methyl Iodide	3.96	142	220106	16.583	ug/l	99
11) Tert butyl alcohol	4.77	59	61705	110.544	ug/l	100
12) 1,1-Dichloroethene	3.74	96	173861	18.125	ug/l	99
13) Acrolein	3.61	56	35772	36.873	ug/l	94
14) Allyl chloride	4.33	41	275604	16.670	ug/l	92
15) Acrylonitrile	4.99	53	335567	94.969	ug/l	99
16) Acetone	3.82	43	263134	89.474	ug/l	97
17) Carbon Disulfide	4.06	76	445846	14.769	ug/l	100
18) Methyl Acetate	4.32	43	169068	20.042	ug/l	96
19) Methyl tert-butyl Ether	5.04	73	510286	19.994	ug/l	99
20) Methylene Chloride	4.55	84	206006	17.900	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	186594	18.213	ug/l	94
22) Diisopropyl ether	5.95	45	659792	18.999	ug/l	97
23) Vinyl Acetate	5.90	43	1935603	89.486	ug/l	98
24) 1,1-Dichloroethane	5.85	63	373864	18.855	ug/l	99
25) 2-Butanone	6.83	43	390197	93.608	ug/l	96
26) 2,2-Dichloropropane	6.82	77	278491	20.292	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	228646	19.159	ug/l	98
28) Bromochloromethane	7.20	49	176145	19.450	ug/l	97
29) Tetrahydrofuran	7.21	42	250842	93.298	ug/l	98
30) Chloroform	7.37	83	374392	18.925	ug/l	99
31) Cyclohexane	7.66	56	336819	17.311	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	304031	19.397	ug/l	99
36) 1,1-Dichloropropene	7.79	75	277026	19.015	ug/l	99
37) Ethyl Acetate	6.93	43	167895	18.883	ug/l	99
38) Carbon Tetrachloride	7.78	117	264447	20.051	ug/l	98

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Quant Time: Dec 12 00:45:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	332976	18.804	ug/l	98
40) Benzene	8.04	78	850226	19.582	ug/l	99
41) Methacrylonitrile	7.17	41	100787	20.734	ug/l	98
42) 1,2-Dichloroethane	8.13	62	261897	19.921	ug/l	99
43) Isopropyl Acetate	8.16	43	332451	22.094	ug/l	96
44) Trichloroethene	8.84	130	229782	20.661	ug/l	100
45) 1,2-Dichloropropane	9.12	63	225927	19.572	ug/l	99
46) Dibromomethane	9.21	93	131716	20.612	ug/l	97
47) Bromodichloromethane	9.40	83	283289	20.390	ug/l	97
48) Methyl methacrylate	9.20	41	154821	19.733	ug/l	98
49) 1,4-Dioxane	9.20	88	37494	460.463	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	866934	102.689	ug/l	99
52) Toluene	10.16	92	521116	20.201	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	275437	20.608	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	327143	20.425	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	192682	21.234	ug/l	98
56) Ethyl methacrylate	10.43	69	240624	20.761	ug/l	98
57) 1,3-Dichloropropane	10.71	76	324395	20.246	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	679660	103.223	ug/l	98
59) 2-Hexanone	10.75	43	603826	106.568	ug/l	100
60) Dibromochloromethane	10.90	129	205896	20.892	ug/l	99
61) 1,2-Dibromoethane	11.01	107	184607	20.483	ug/l	100
64) Tetrachloroethene	10.63	164	251317	23.759	ug/l	98
65) Chlorobenzene	11.43	112	581765	20.680	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	208956	21.362	ug/l	99
67) Ethyl Benzene	11.51	91	998704	20.273	ug/l	99
68) m/p-Xylenes	11.62	106	754460	41.138	ug/l	100
69) o-Xylene	11.95	106	370110	20.782	ug/l	99
70) Styrene	11.96	104	607307	21.410	ug/l	99
71) Bromoform	12.13	173	135303	20.891	ug/l #	99
73) Isopropylbenzene	12.25	105	1000723	19.395	ug/l	99
74) N-amyl acetate	12.07	43	265484	20.366	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	214564	18.280	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	188167m	18.554	ug/l	
77) Bromobenzene	12.53	156	252609	19.807	ug/l	97
78) n-propylbenzene	12.59	91	1154534	19.696	ug/l	99
79) 2-Chlorotoluene	12.68	91	672205	19.257	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	820472	19.938	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	58092	19.129	ug/l	99
82) 4-Chlorotoluene	12.77	91	685106	19.474	ug/l	99
83) tert-Butylbenzene	12.99	119	726405	19.801	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	819202	19.864	ug/l	99
85) sec-Butylbenzene	13.17	105	996587	19.945	ug/l	100
86) p-Isopropyltoluene	13.29	119	857921	20.158	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	447773	20.072	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	447200	20.351	ug/l	100
89) n-Butylbenzene	13.62	91	726796	20.534	ug/l	99
90) Hexachloroethane	13.88	117	136887	18.996	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	432829	20.308	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31699	18.883	ug/l	94

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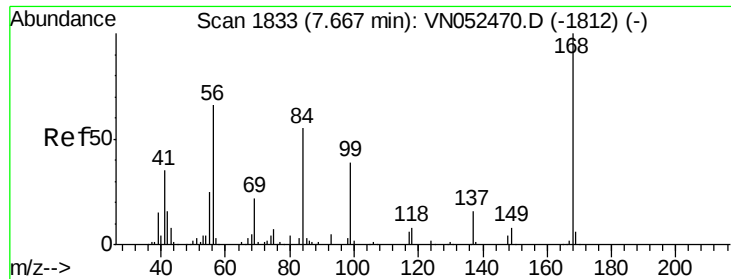
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	242422	22.418	ug/l	100
94) Hexachlorobutadiene	15.01	225	145368	21.201	ug/l	99
95) Naphthalene	15.13	128	482692	21.586	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	219309	22.042	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

Tot Ion:168 Resp: 1024036

Ion Ratio Lower Upper

168 100

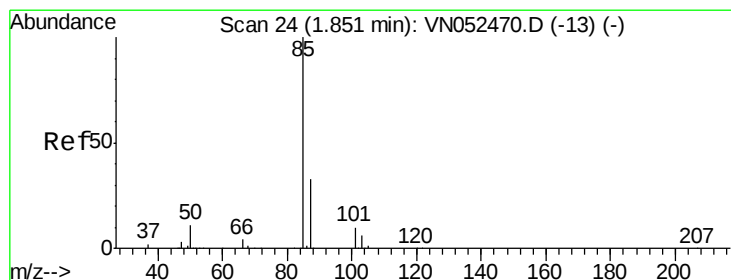
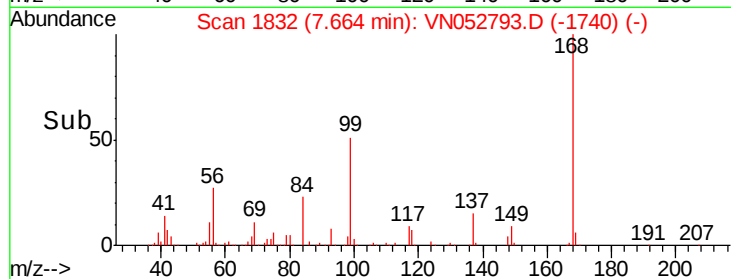
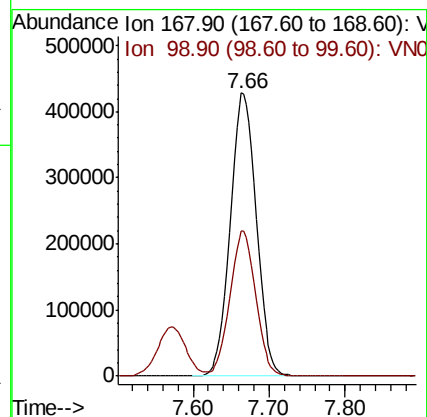
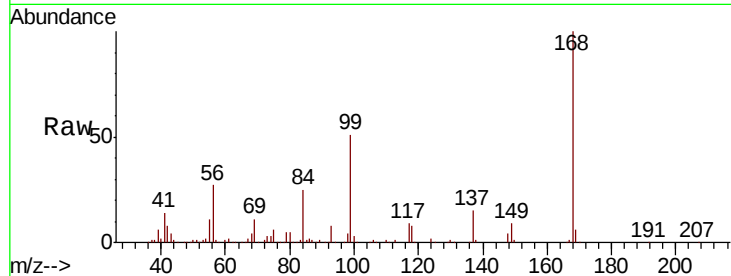
99 51.1 41.7 62.5

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 16.336 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052793.D

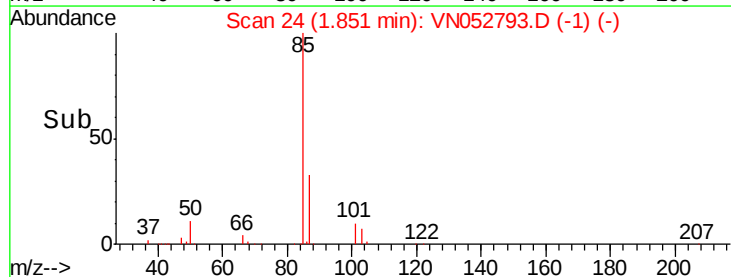
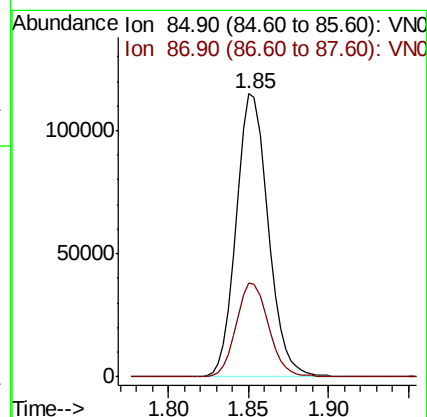
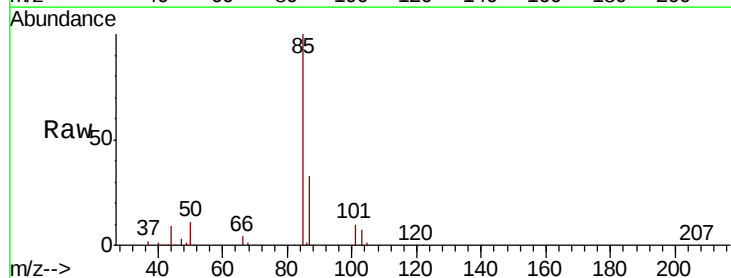
Acq: 11 Dec 2018 10:50

Tgt Ion: 85 Resp: 156636

Ion Ratio Lower Upper

85 100

87 33.0 16.7 50.1





#3

Chloromethane

Concen: 15.601 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

Tot Ion: 50 Resp: 197452

Ion Ratio Lower Upper

50 100

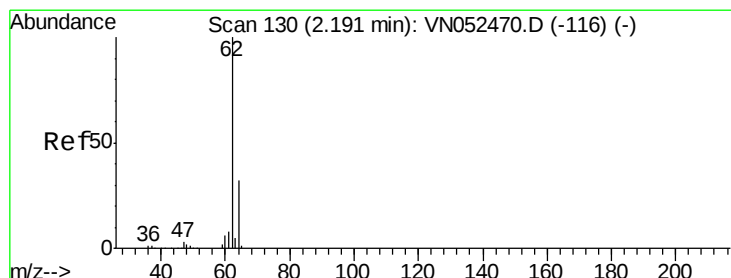
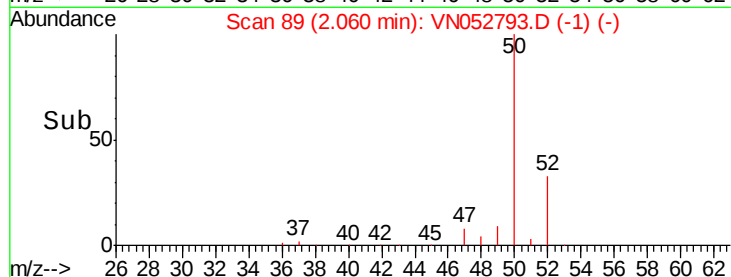
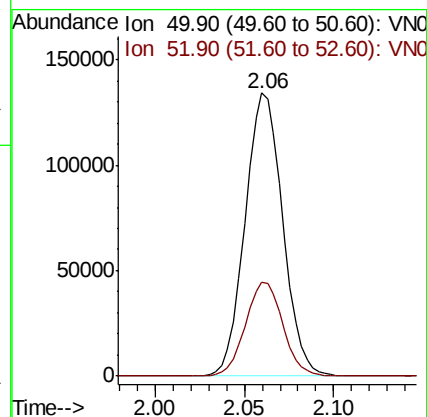
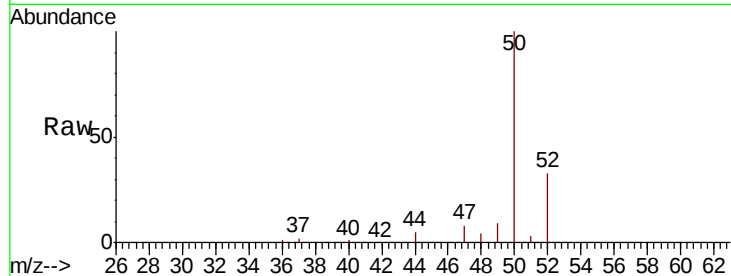
52 33.2 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.558 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052793.D

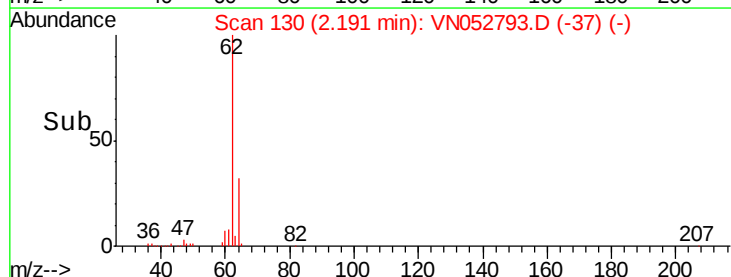
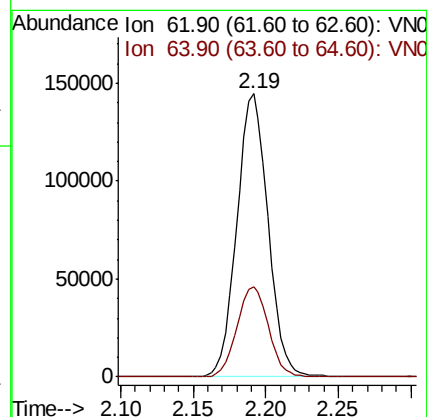
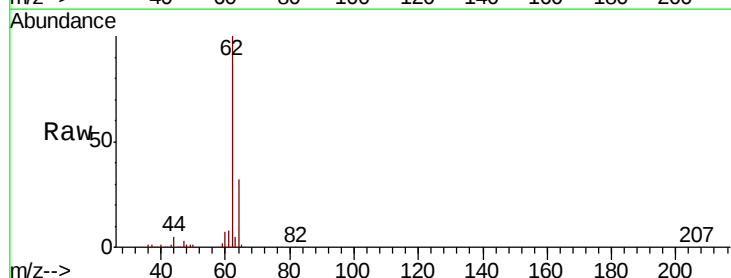
Acq: 11 Dec 2018 10:50

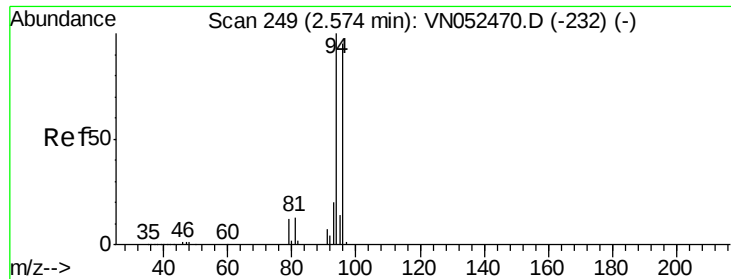
Tgt Ion: 62 Resp: 215279

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 15.816 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

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ClientSampleId :

VN1211WBS01

Tot Ion: 94 Resp: 128307

Ion Ratio Lower Upper

94 100

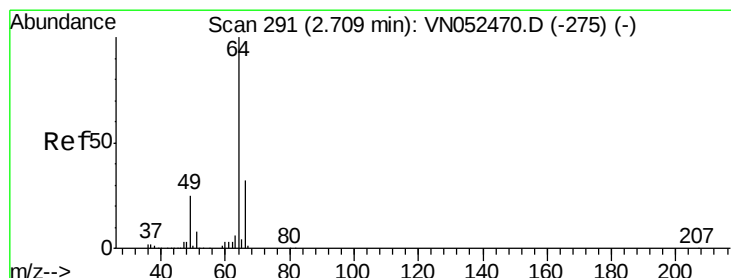
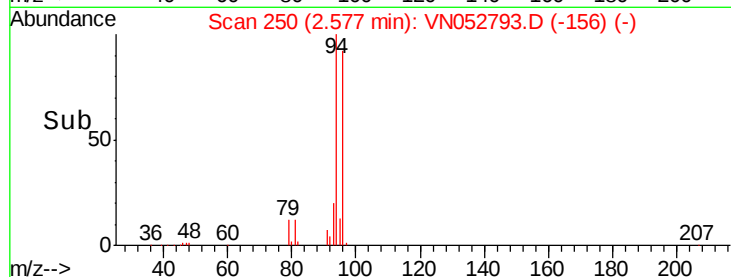
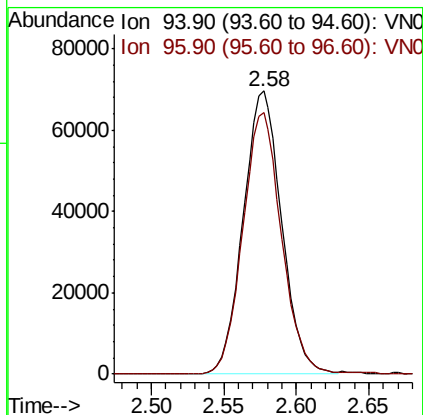
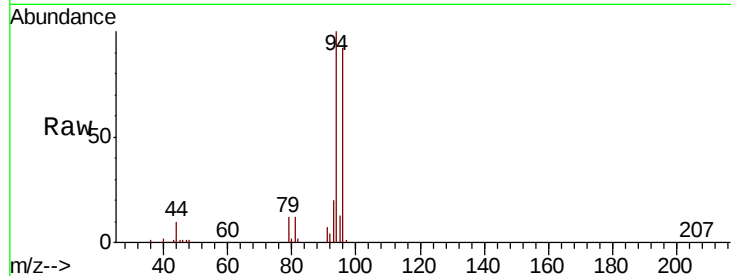
96 92.3 75.8 113.8

Manual Integrations

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#6

Chloroethane

Concen: 16.826 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052793.D

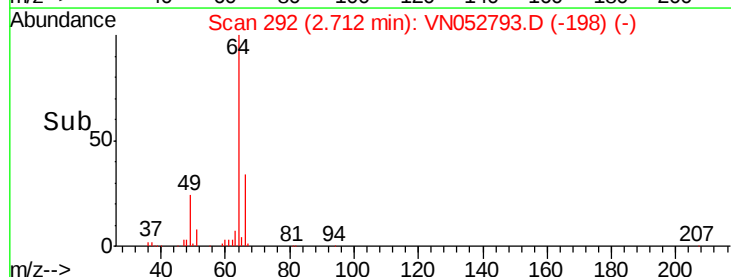
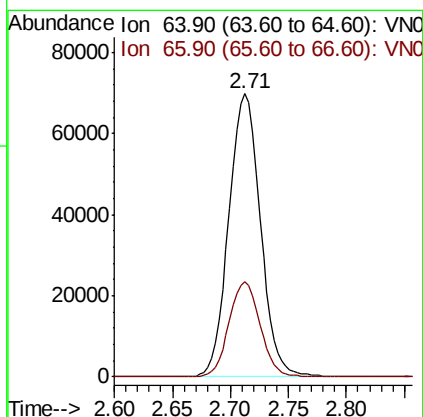
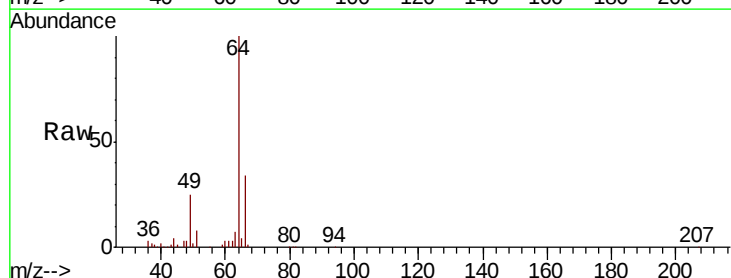
Acq: 11 Dec 2018 10:50

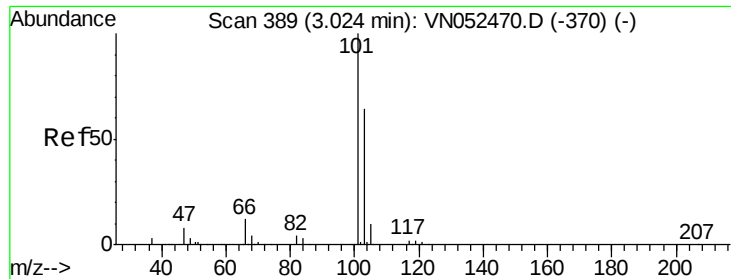
Tgt Ion: 64 Resp: 132512

Ion Ratio Lower Upper

64 100

66 33.5 25.7 38.5





#7

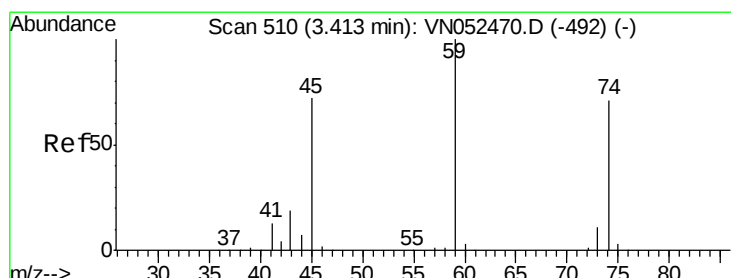
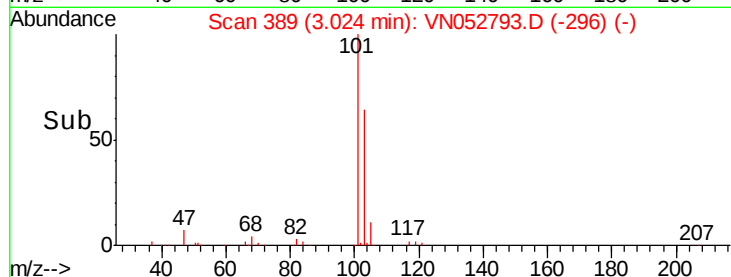
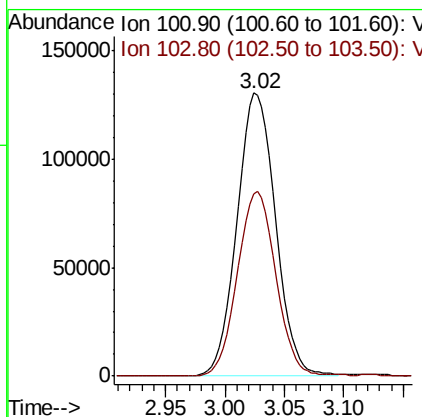
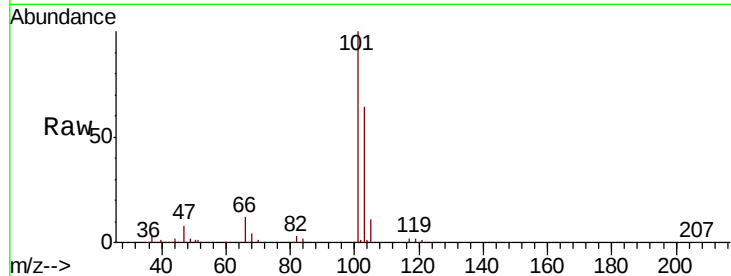
Trichlorofluoromethane
Concen: 18.361 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.4	77.2

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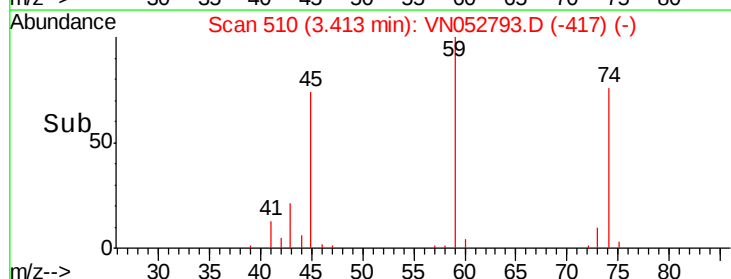
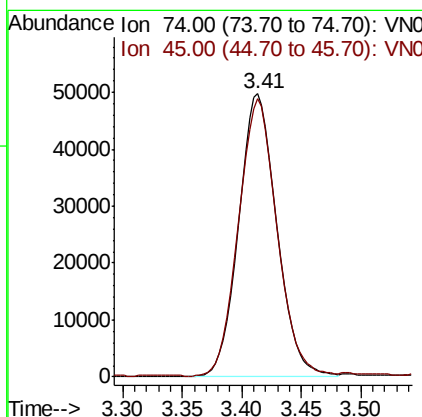
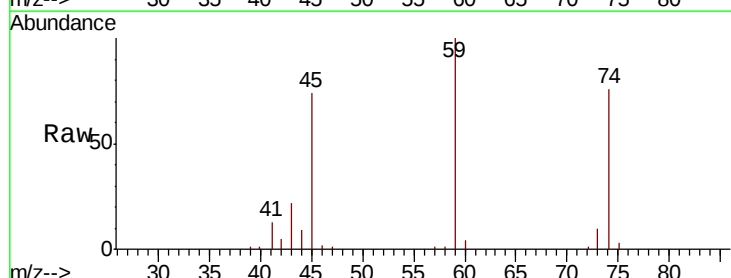
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12/12/2018 11:33:09 AM



#8

Diethyl Ether
Concen: 18.754 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.5	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.545 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

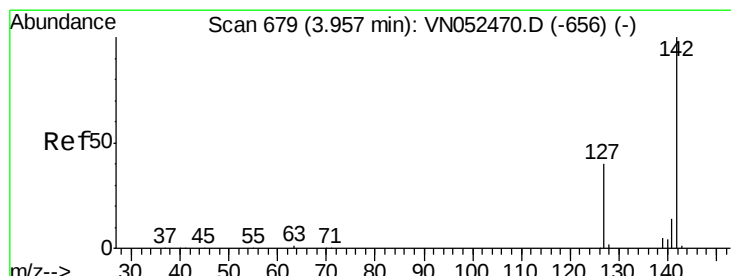
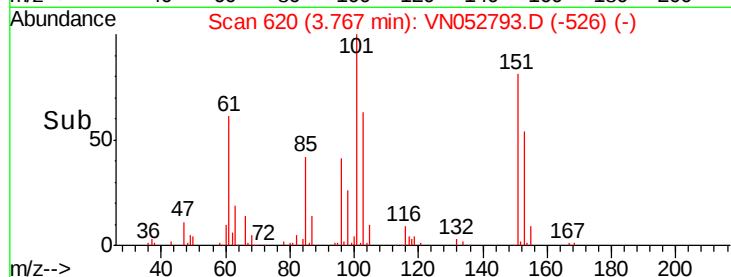
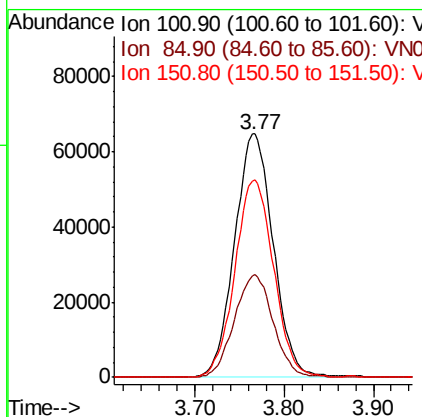
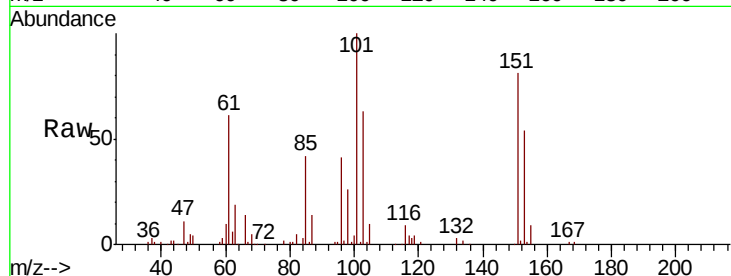
ClientSampleId :

VN1211WBS01

Tot Ion:	101	Resp:	194774
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.2	51.4
151	81.1	64.6	96.8

Manual Integrations
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#10

Methyl Iodide

Concen: 16.583 ug/l

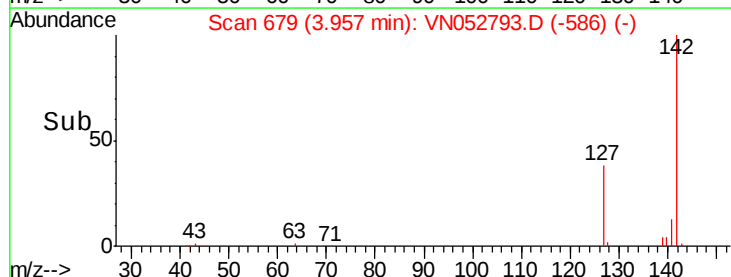
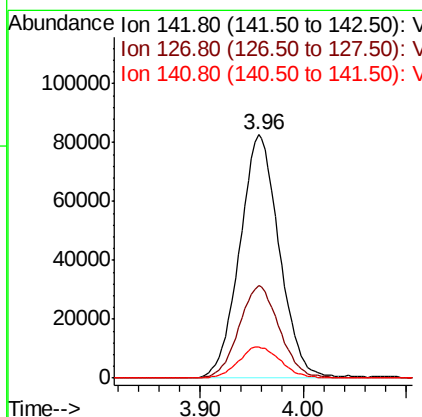
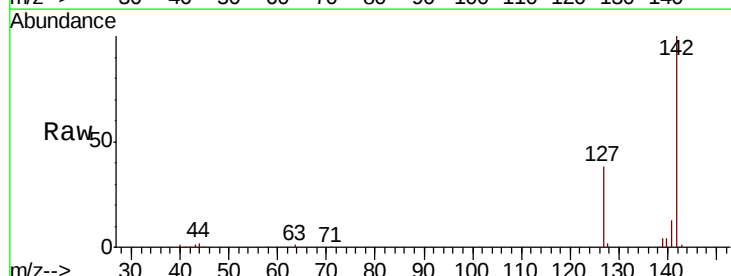
RT: 3.96 min Scan# 679

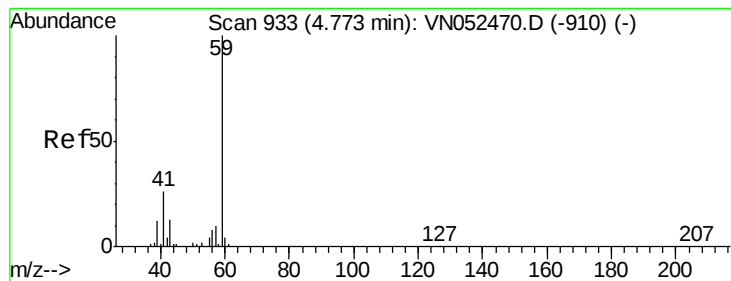
Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Tgt Ion:	142	Resp:	220106
Ion Ratio	Lower	Upper	
142	100		
127	38.8	31.8	47.6
141	13.6	11.4	17.0





#11

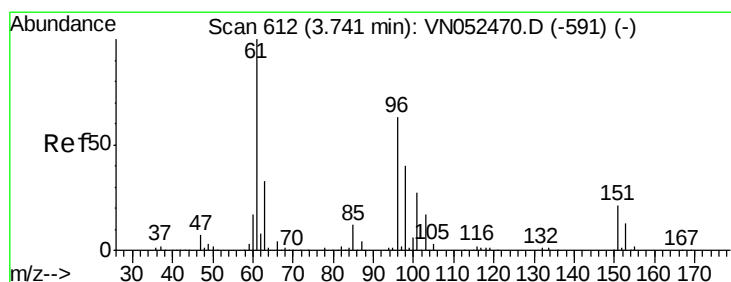
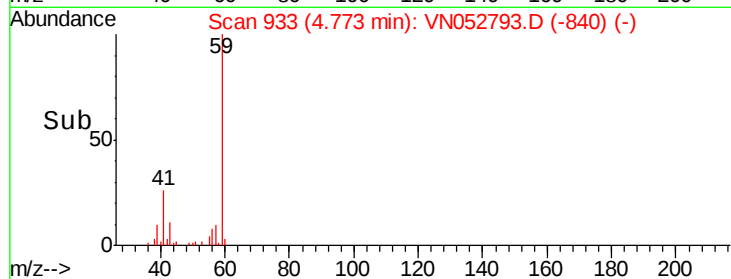
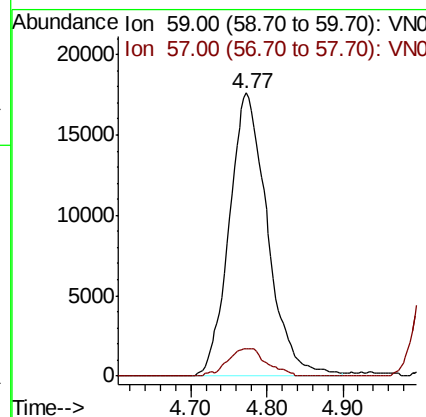
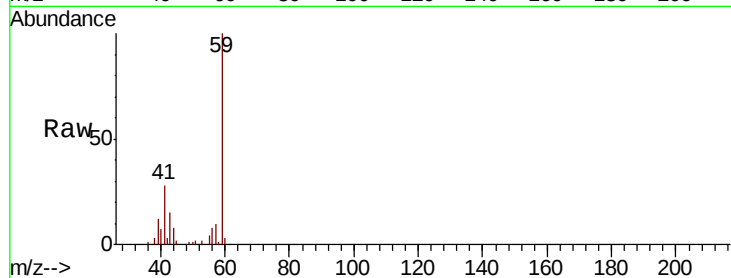
Tert butyl alcohol
 Concen: 110.544 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.9	11.9

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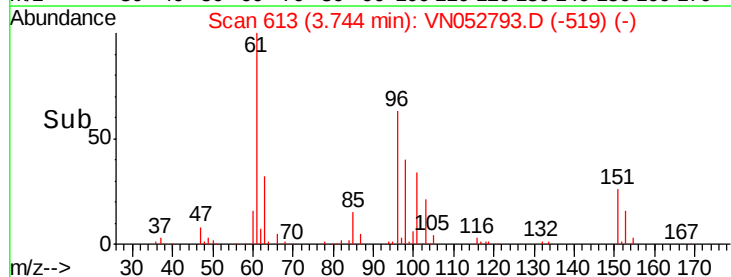
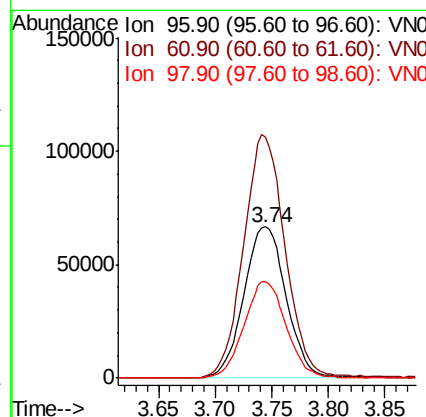
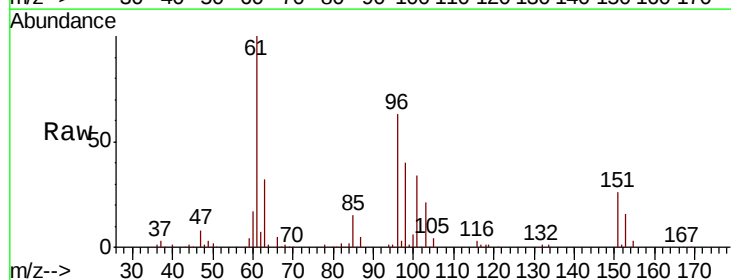
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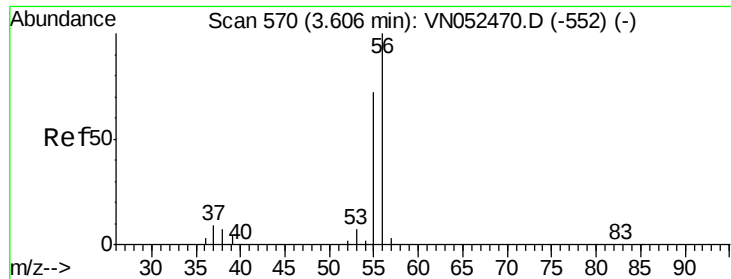


#12

1,1-Dichloroethene
 Concen: 18.125 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.4	127.0	190.6
98	63.9	50.3	75.5





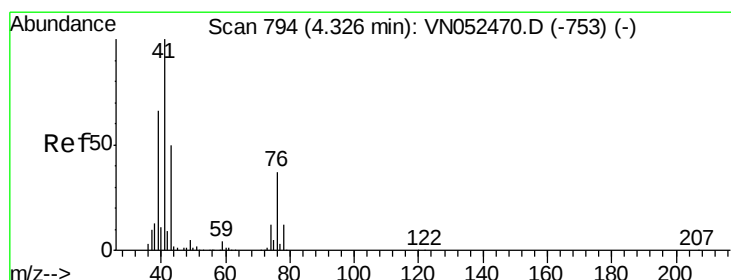
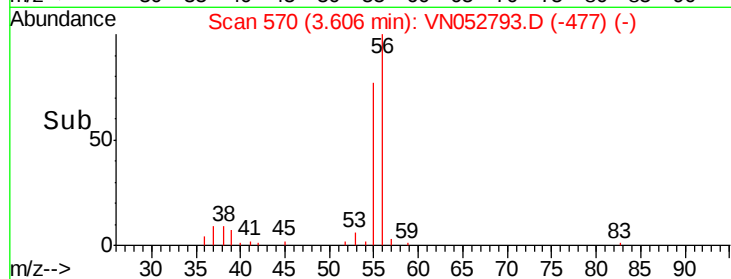
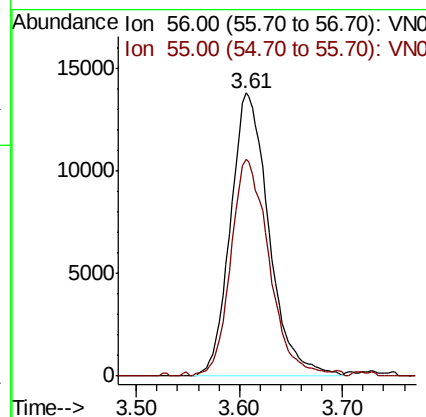
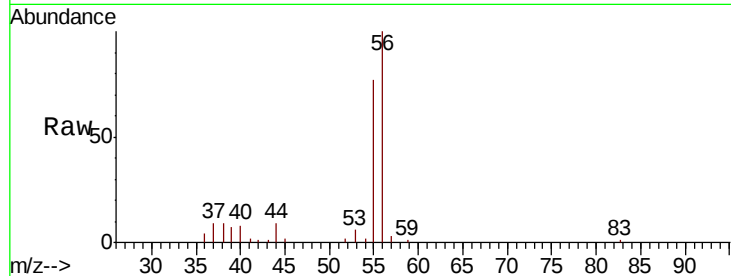
#13
Acrolein
Concen: 36.873 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion	56	Resp	35772
Ion Ratio	100	Lower	Upper
56	100		
55	76.3	56.8	85.2

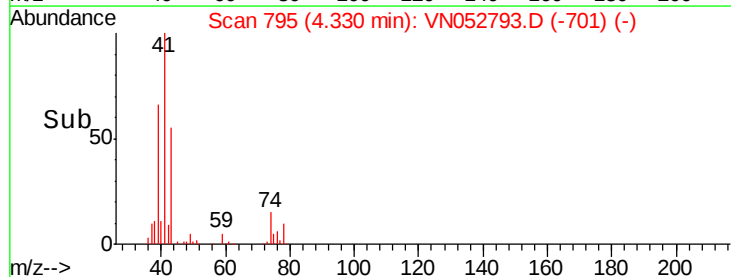
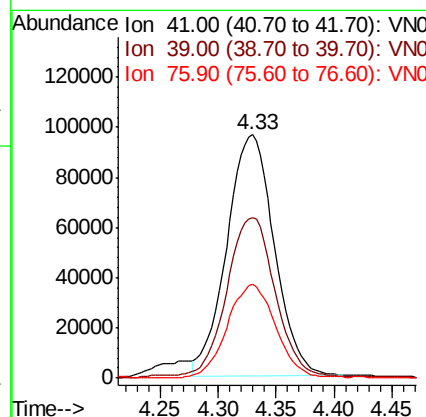
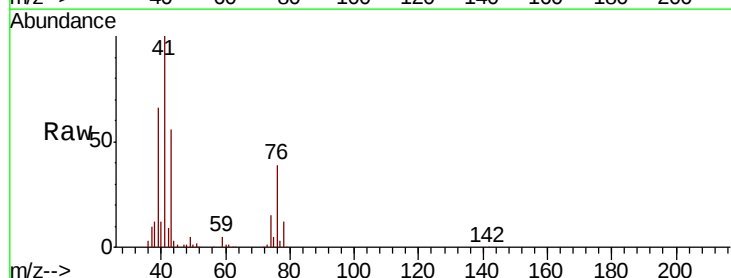
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#14
Allyl chloride
Concen: 16.670 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion	41	Resp	275604
Ion Ratio	100	Lower	Upper
41	100		
39	69.2	50.6	76.0
76	38.7	27.4	41.2





#15

Acrylonitrile

Concen: 94.969 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

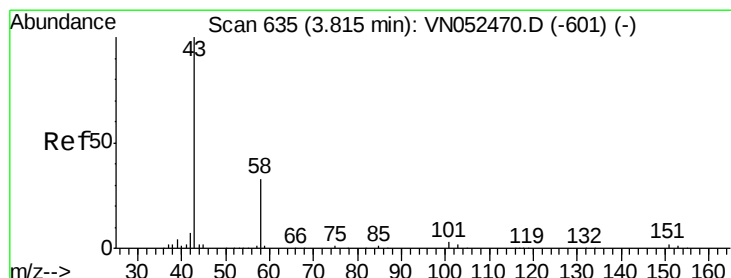
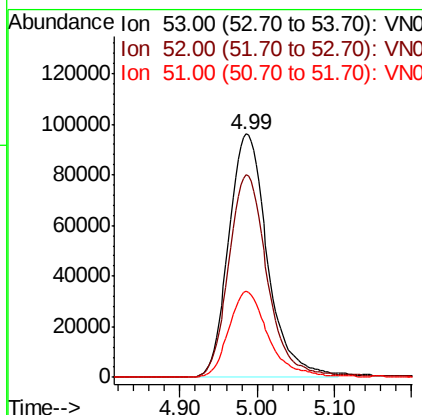
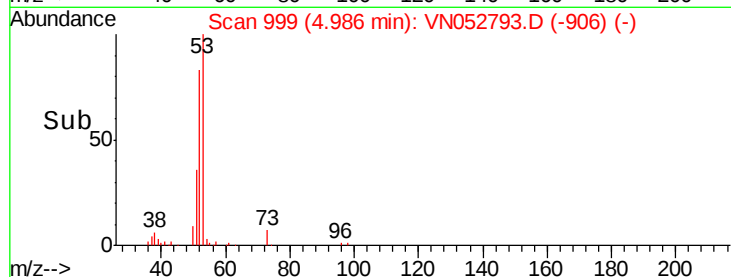
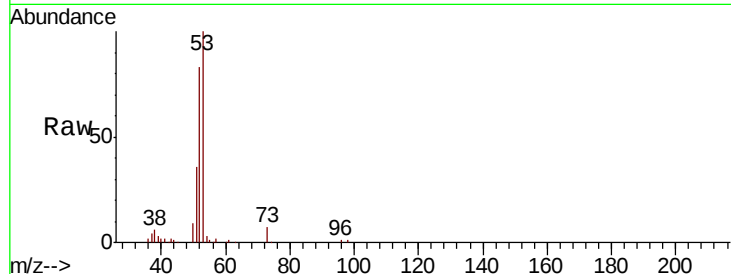
ClientSampleId :

VN1211WBS01

Tot Ion:	53	Resp:	335567
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.2	99.2
51	36.1	28.1	42.1

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#16

Acetone

Concen: 89.474 ug/l

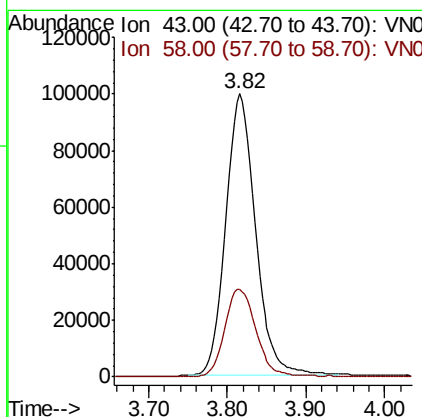
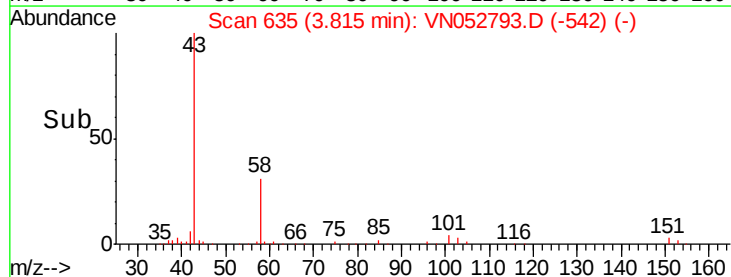
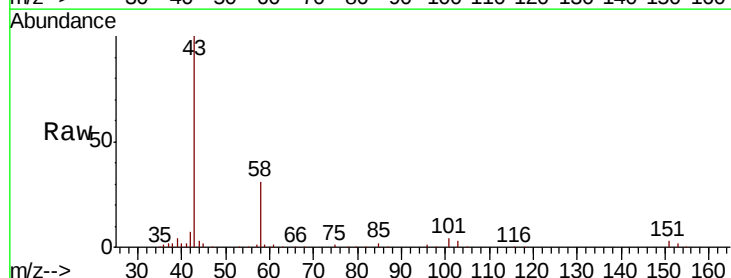
RT: 3.82 min Scan# 635

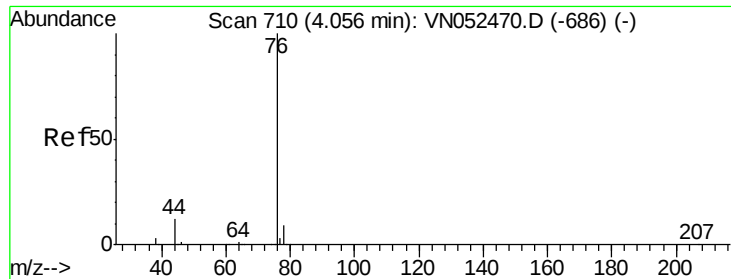
Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Tgt Ion:	43	Resp:	263134
Ion Ratio	Lower	Upper	
43	100		
58	30.8	26.0	39.0





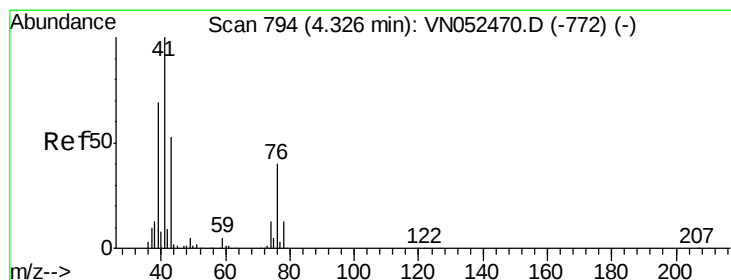
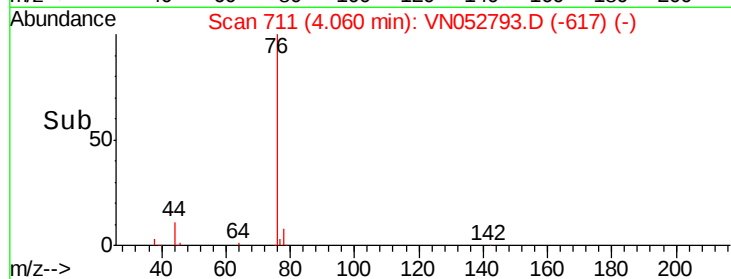
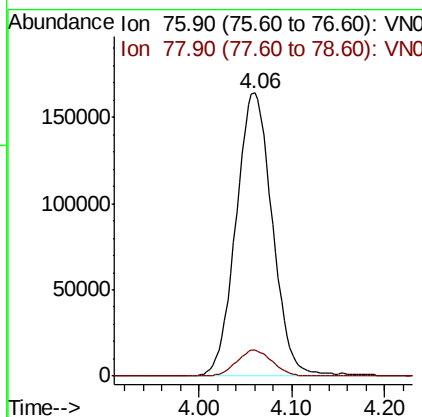
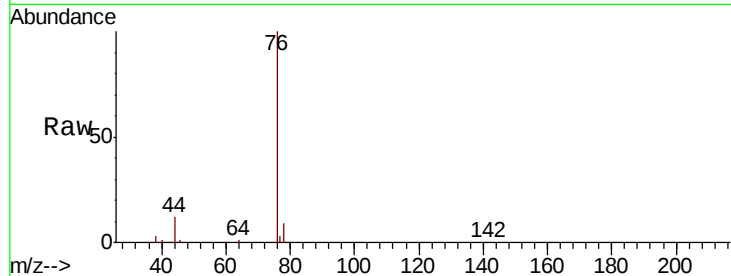
#17
Carbon Disulfide
Concen: 14.769 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

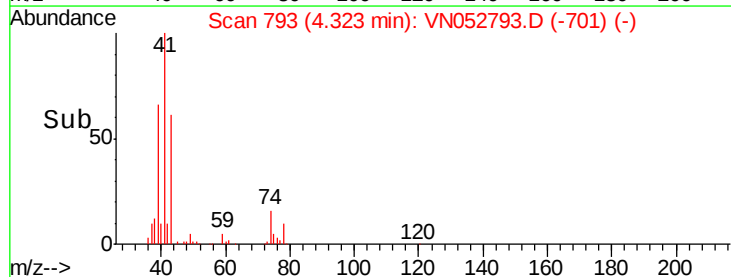
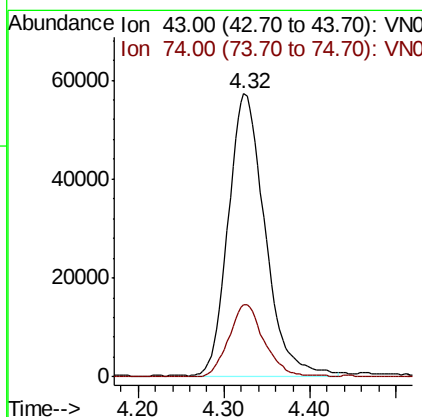
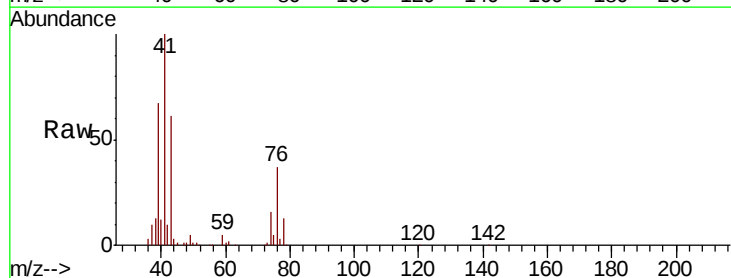
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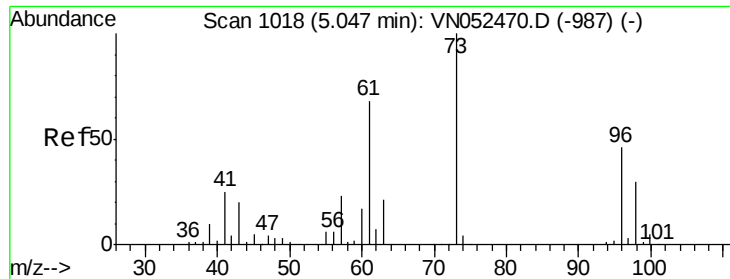
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#18
Methyl Acetate
Concen: 20.042 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	18.6	27.8





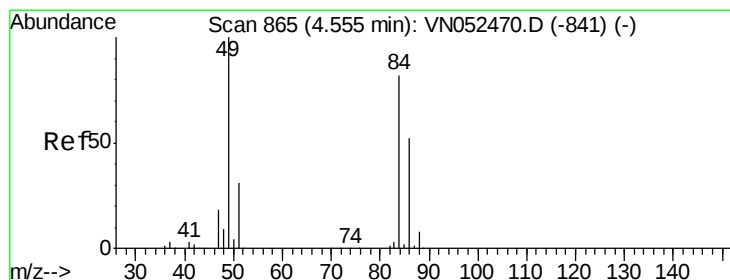
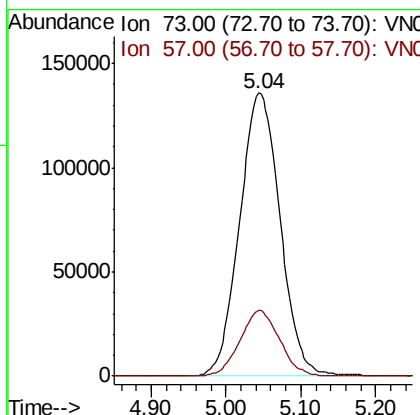
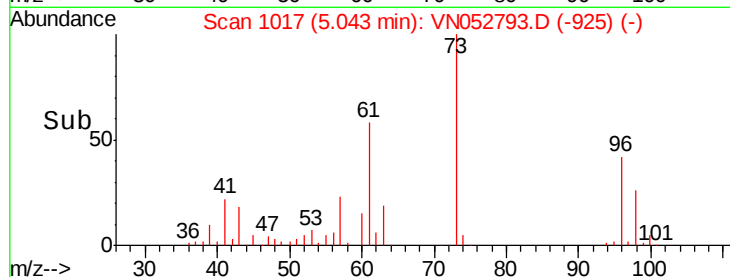
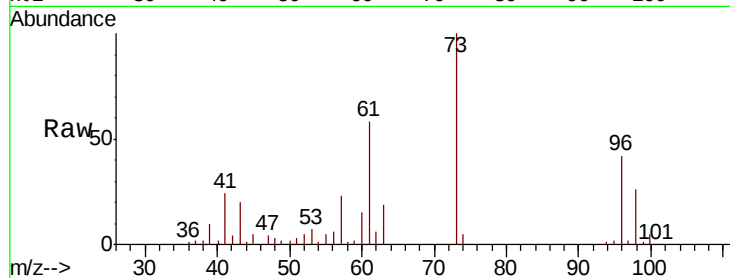
#19
Methvl tert-butvl Ether
Concen: 19.994 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion: 73 Resp: 510286
Ion Ratio Lower Upper
73 100
57 23.3 18.2 27.2

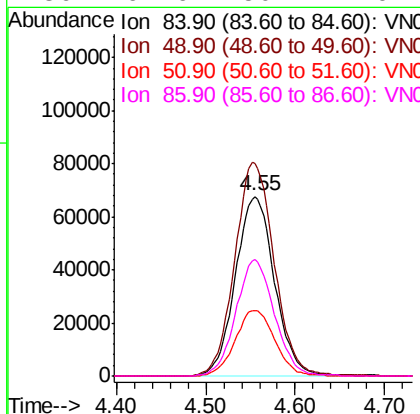
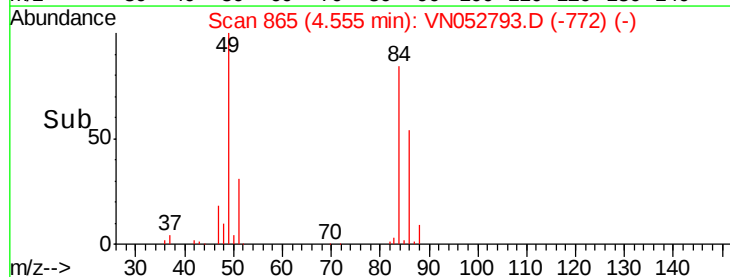
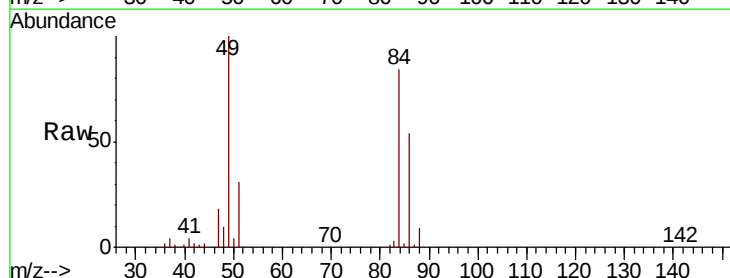
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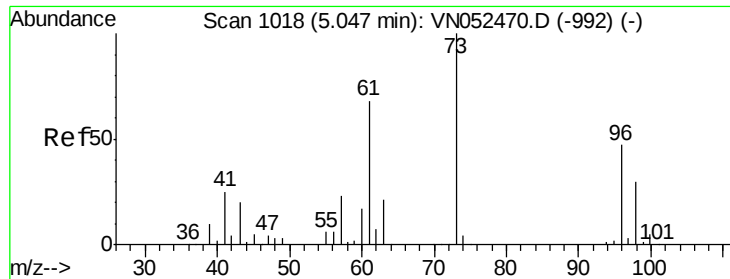
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#20
Methylene Chloride
Concen: 17.900 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion: 84 Resp: 206006
Ion Ratio Lower Upper
84 100
49 118.8 98.0 147.0
51 36.4 30.1 45.1
86 64.6 50.7 76.1





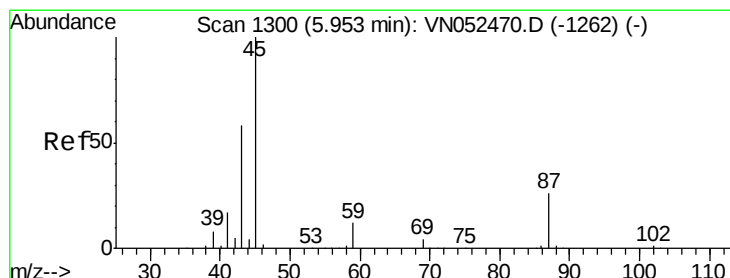
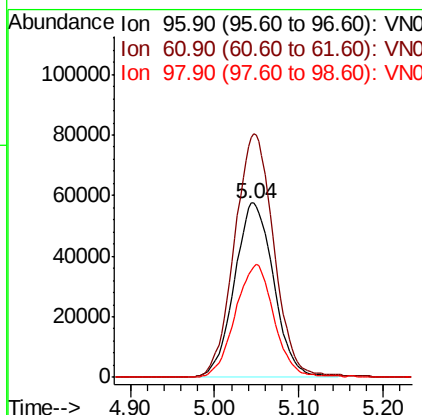
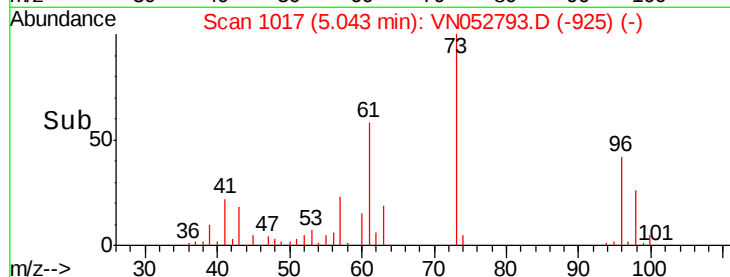
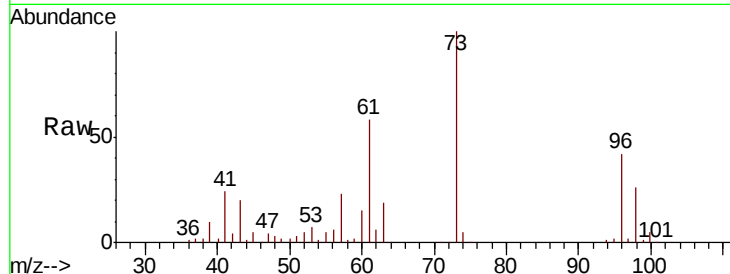
#21
trans-1,2-Dichloroethene
Concen: 18.213 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.7	117.0	175.4
98	61.2	51.8	77.6

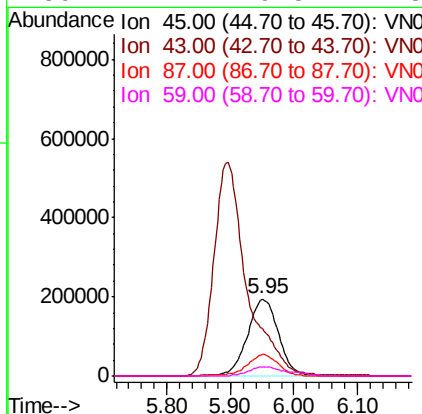
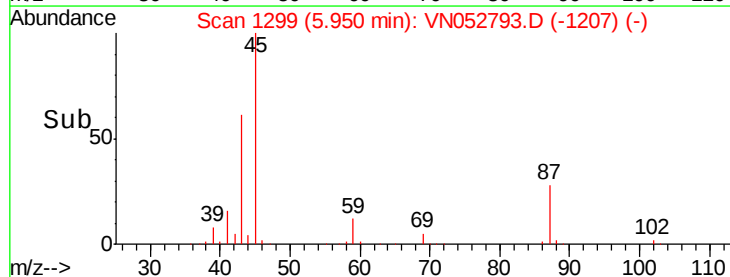
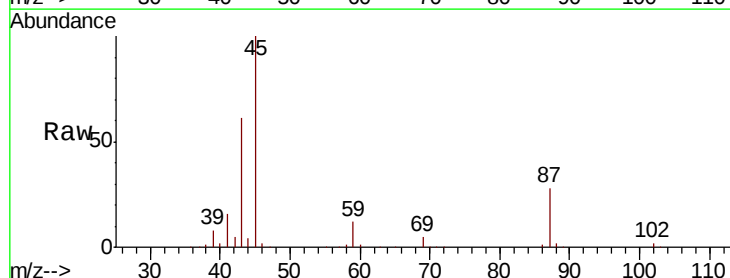
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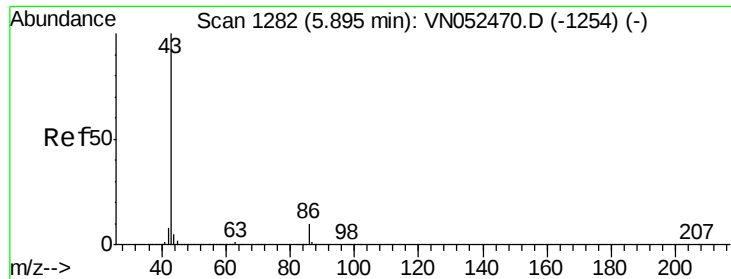
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#22
Diisopropyl ether
Concen: 18.999 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.8	46.1	69.1
87	27.9	21.3	31.9
59	11.7	9.5	14.3





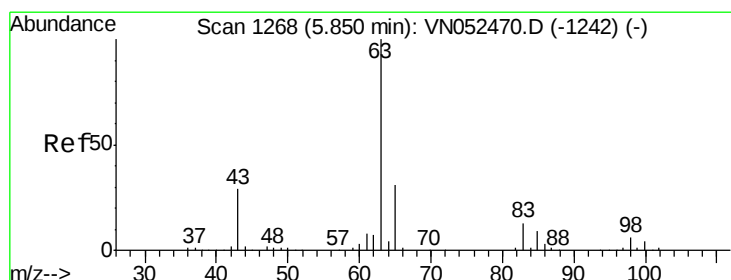
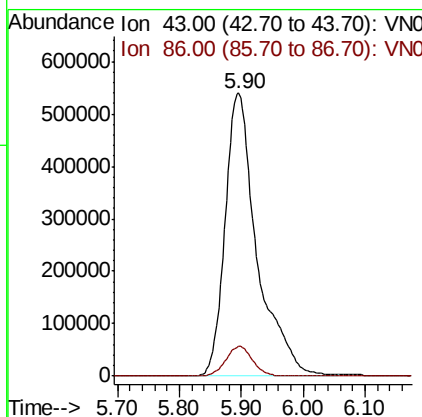
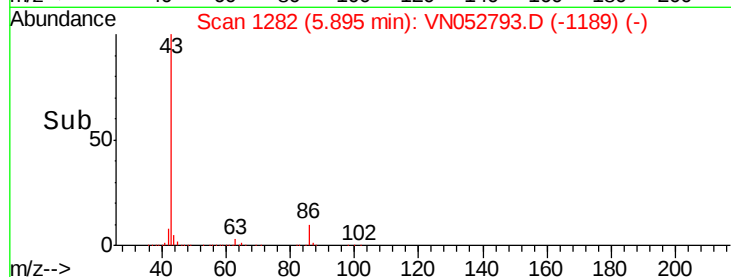
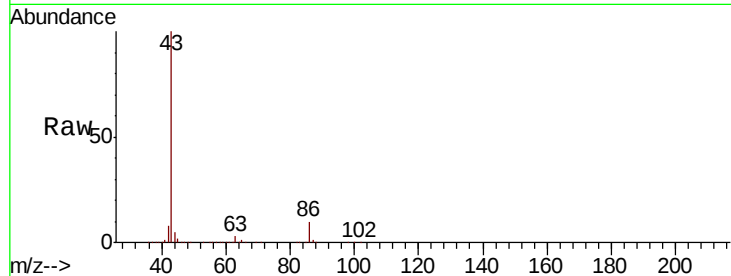
#23
 Vinyl Acetate
 Concen: 89.486 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBS01

Tot Ion: 43 Resp: 1935603
 Ion Ratio Lower Upper
 43 100
 86 10.5 7.8 11.8

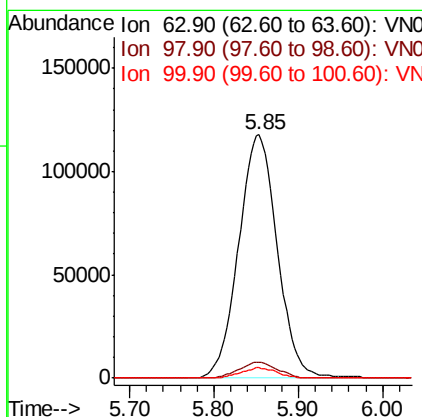
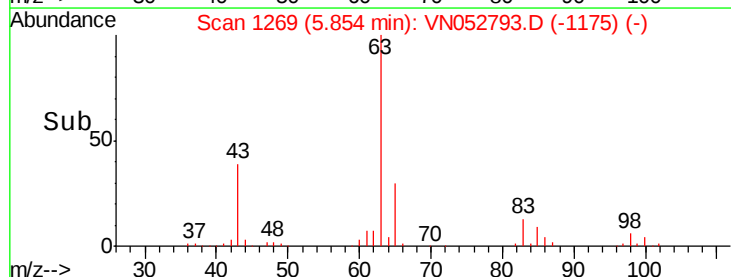
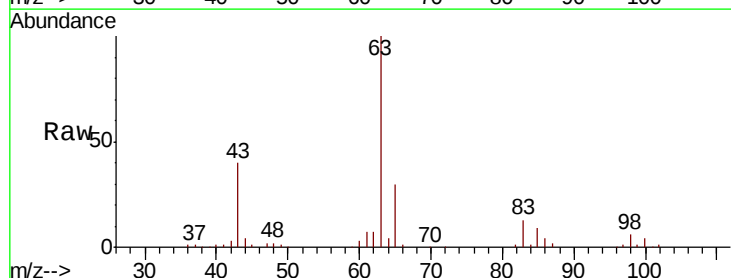
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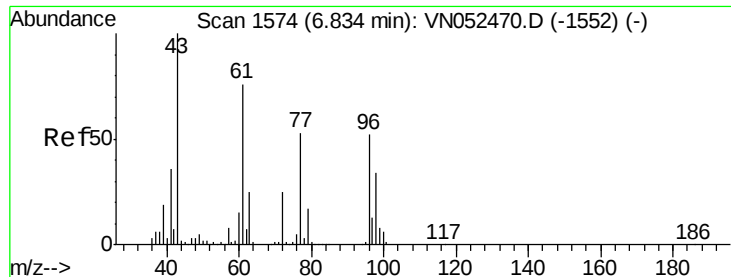
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#24
 1,1-Dichloroethane
 Concen: 18.855 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Tgt Ion: 63 Resp: 373864
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.0 9.2
 100 4.4 2.0 5.8





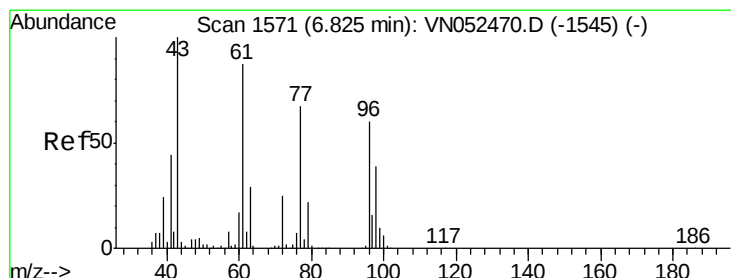
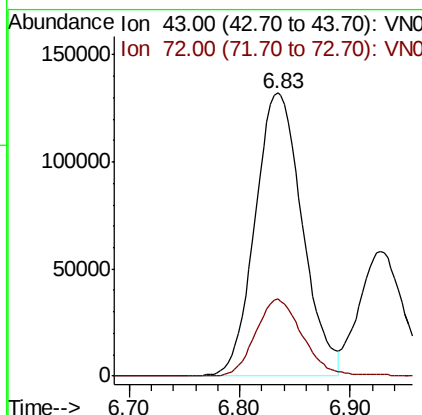
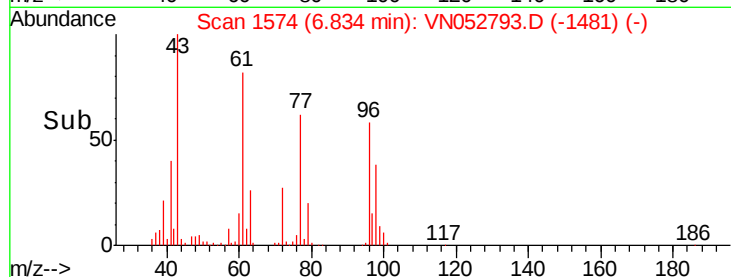
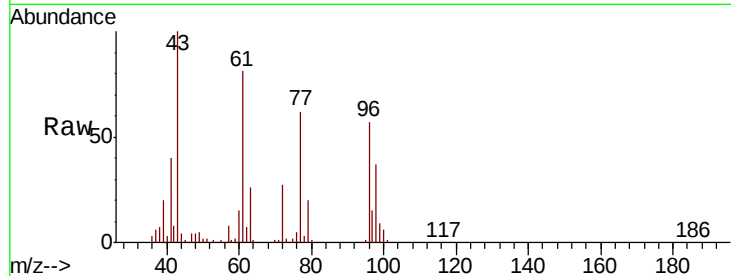
#25
2-Butanone
Concen: 93.608 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion: 43 Resp: 390197
Ion Ratio Lower Upper
43 100
72 27.2 20.1 30.1

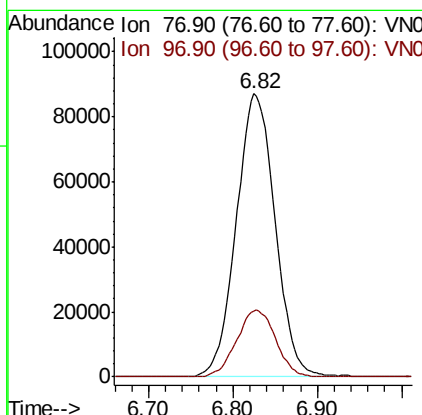
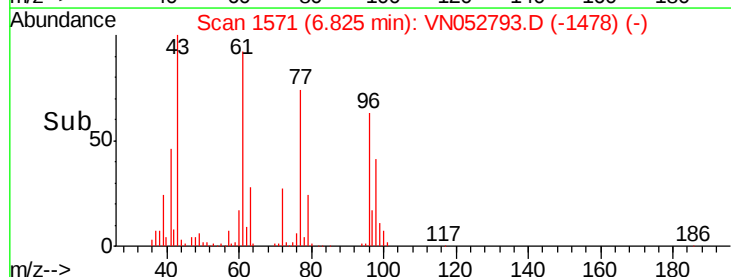
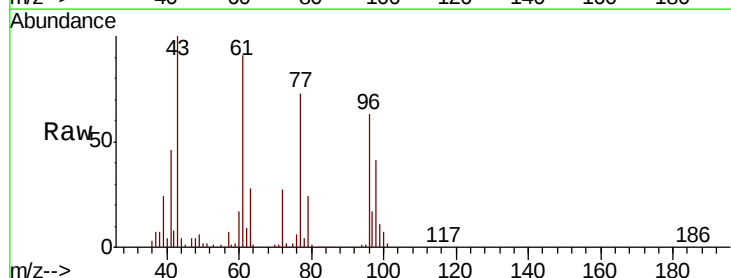
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#26
2,2-Dichloropropane
Concen: 20.292 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion: 77 Resp: 278491
Ion Ratio Lower Upper
77 100
97 23.9 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.159 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

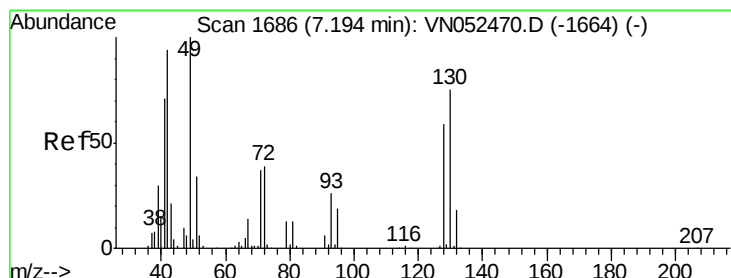
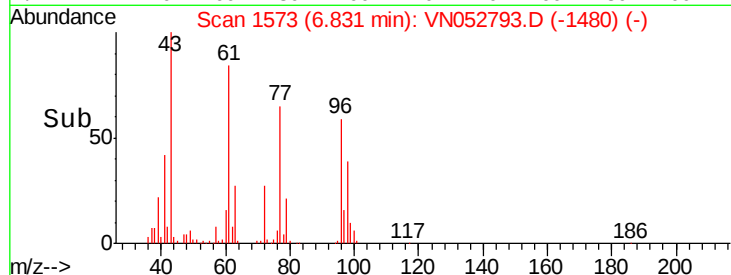
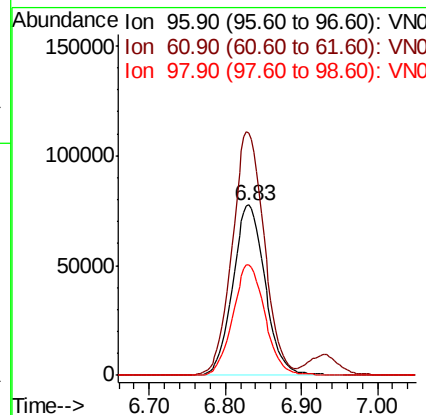
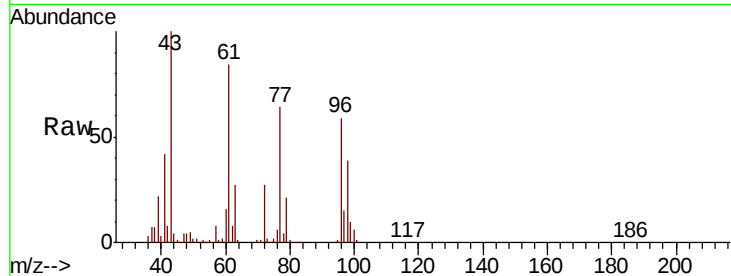
ClientSampleId :

VN1211WBS01

Tot Ion:	96	Resp:	228646
Ion Ratio	Lower	Upper	
96	100		
61	141.8	0.0	291.0
98	64.4	0.0	130.0

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#28

Bromochloromethane

Concen: 19.450 ug/l

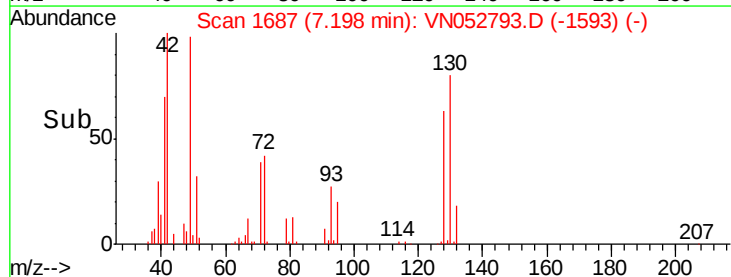
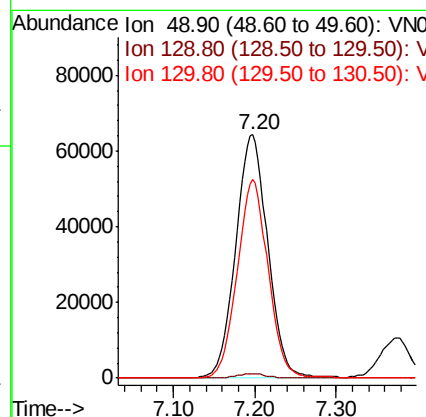
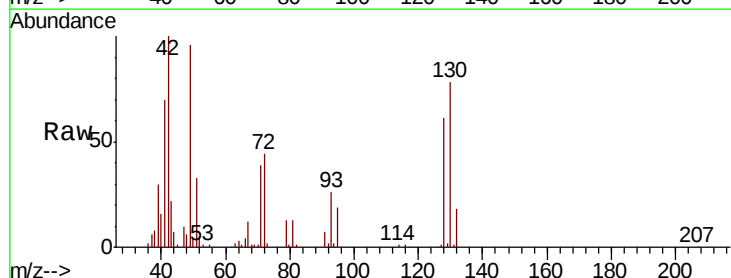
RT: 7.20 min Scan# 1687

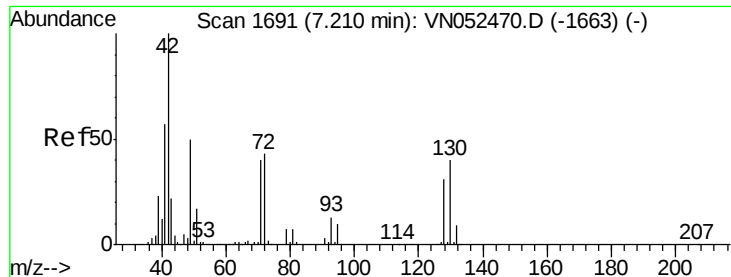
Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Tgt Ion:	49	Resp:	176145
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.8
130	78.1	60.2	90.2





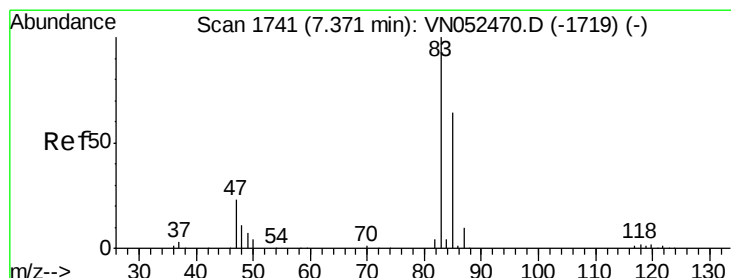
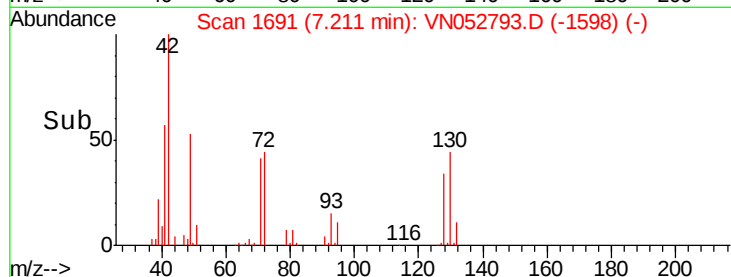
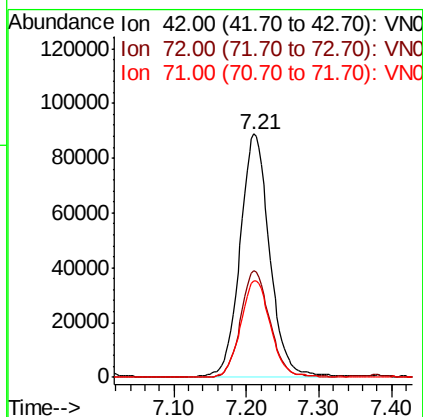
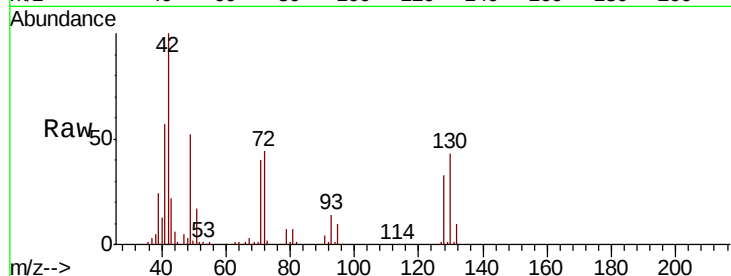
#29
Tetrahydrofuran
Concen: 93.298 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	33.3	49.9
71	40.4	32.0	48.0

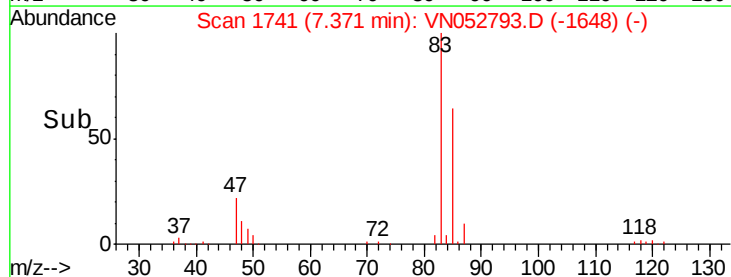
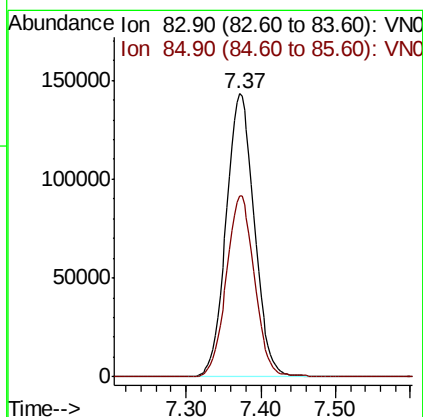
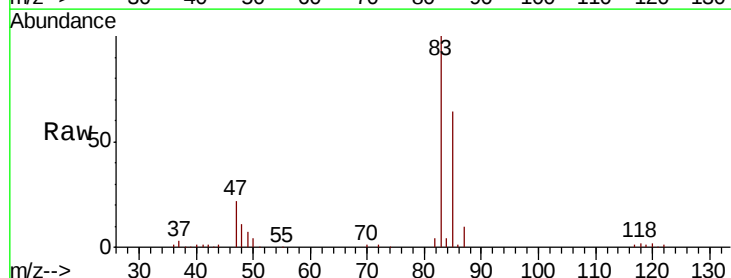
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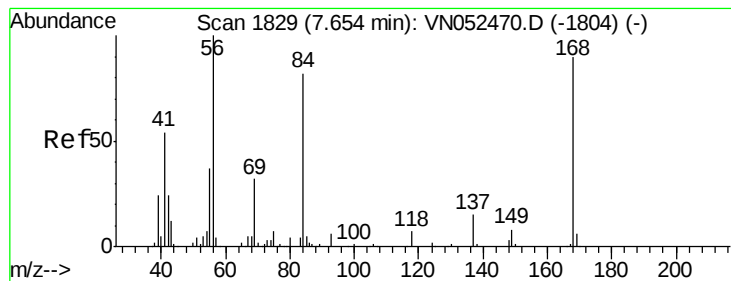
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#30
Chloroform
Concen: 18.925 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.0	76.4





#31

Cyclohexane

Concen: 17.311 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

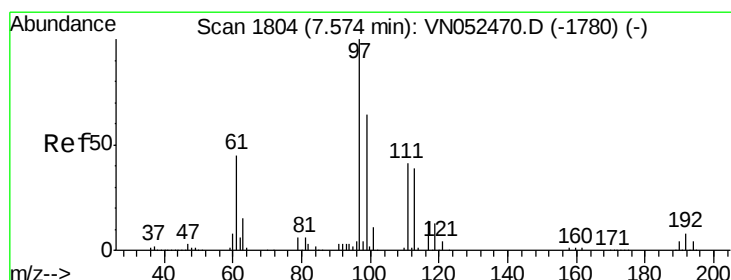
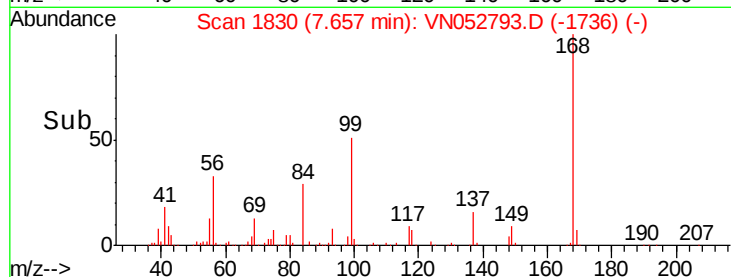
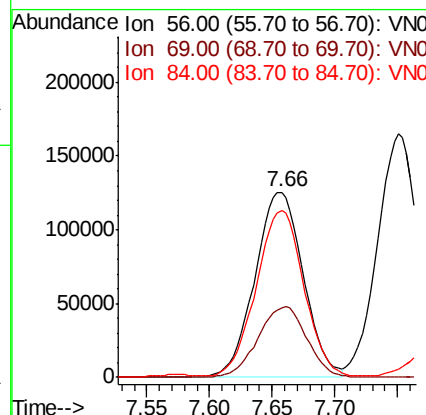
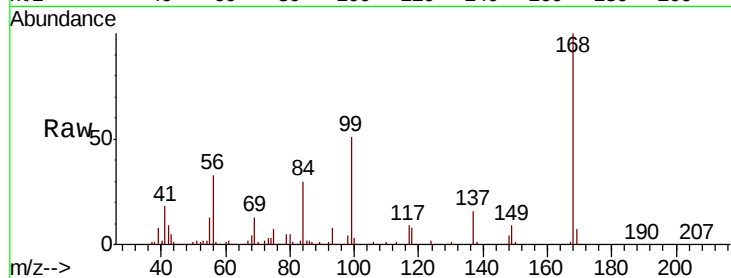
ClientSampleId :

VN1211WBS01

Tot Ion:	56	Resp:	336819
Ion Ratio	Lower	Upper	
56	100		
69	37.7	25.8	38.6
84	89.4	65.3	97.9

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#32

1,1,1-Trichloroethane

Concen: 19.397 ug/l

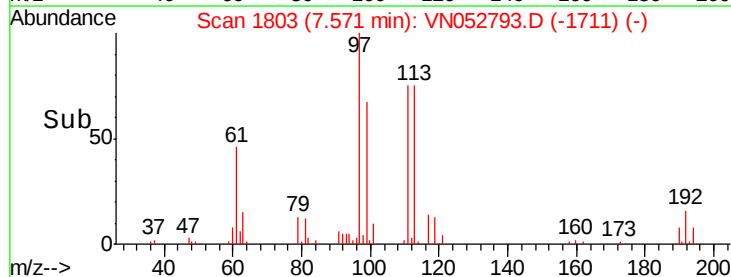
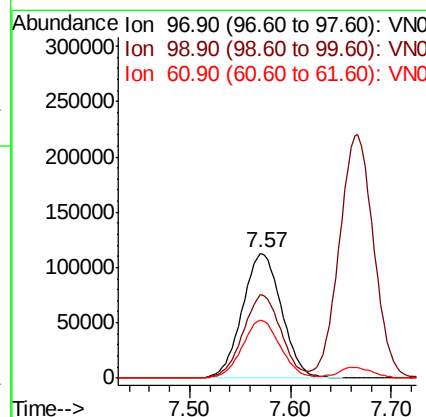
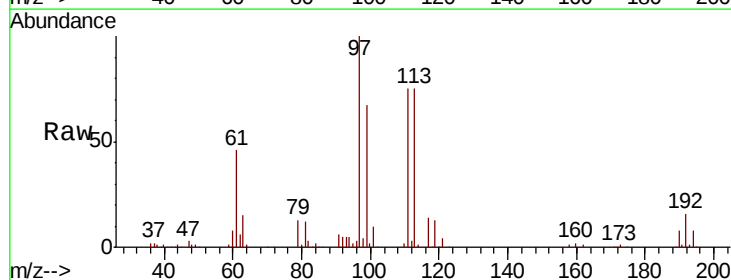
RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Tgt Ion:	97	Resp:	304031
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.7	77.5
61	45.1	36.8	55.2





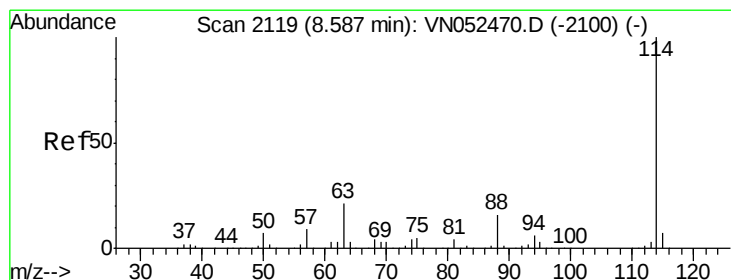
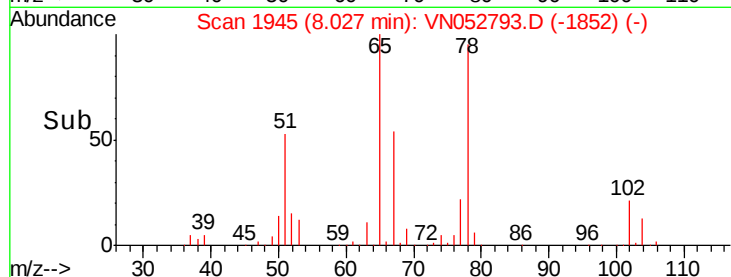
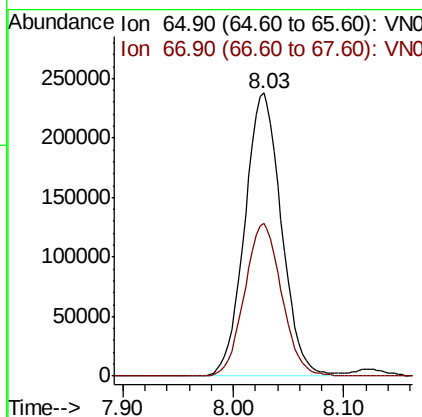
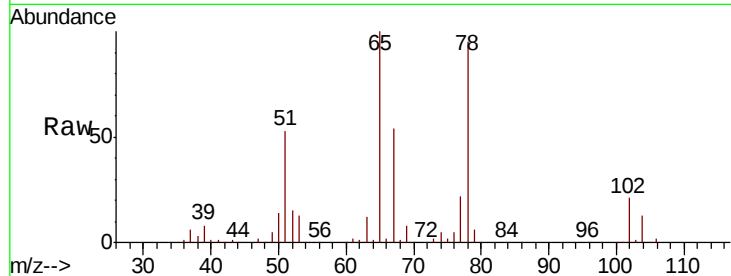
#33
 1,2-Dichloroethane-d4
 Concen: 19.397 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	548802		
67	54.6	0.0	109.8	

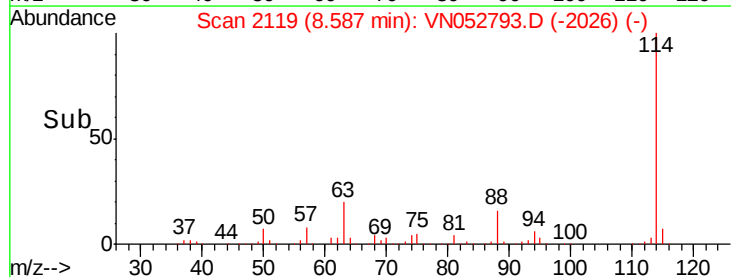
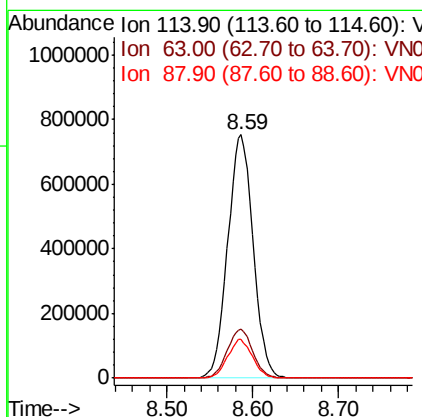
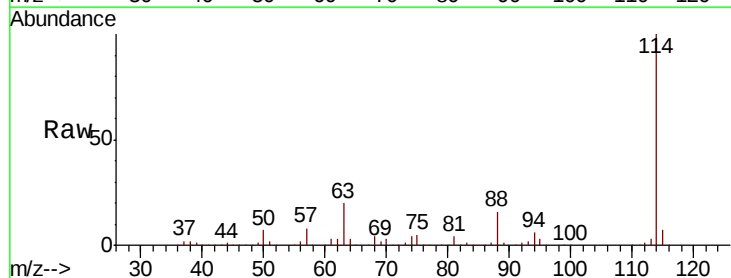
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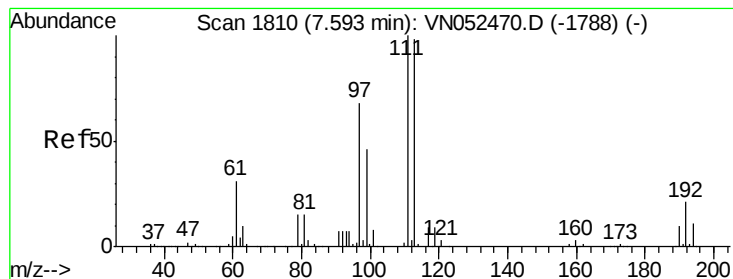
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1542792		
63	20.1	0.0	41.8	
88	15.7	0.0	31.6	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

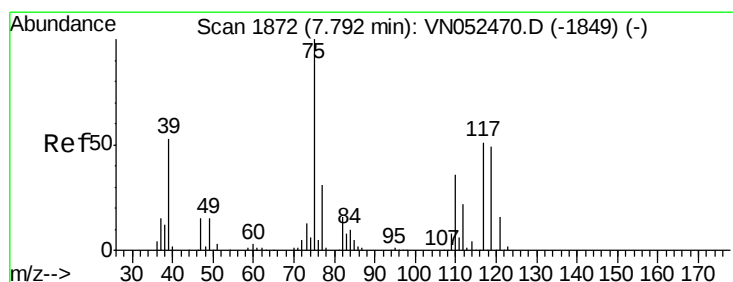
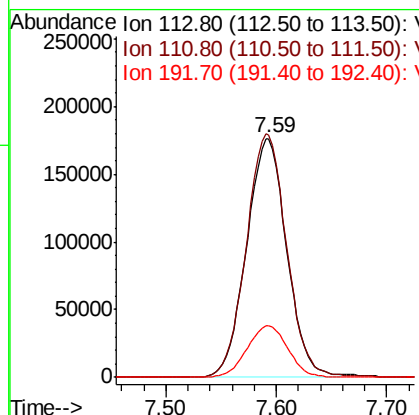
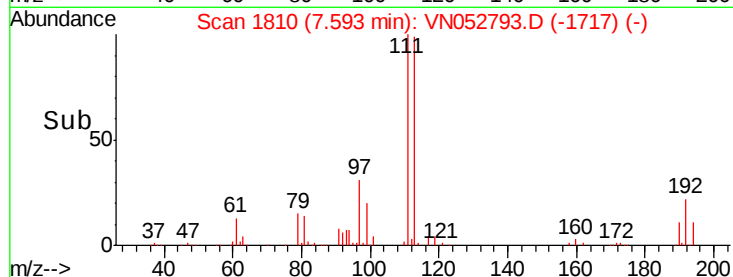
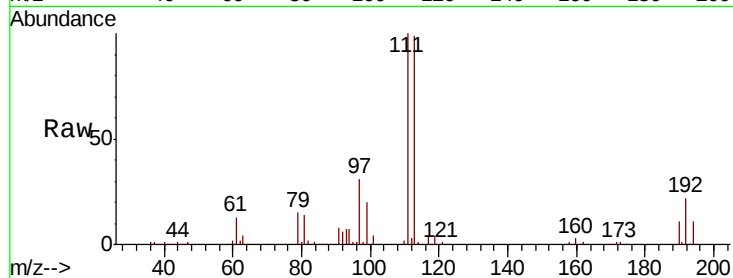
ClientSampleId :

VN1211WBS01

Tot Ion:	113	Resp:	445534
Ion Ratio	Lower	Upper	
113	100		
111	102.8	82.0	123.0
192	22.0	17.0	25.6

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#36

1,1-Dichloropropene

Concen: 19.015 ug/l

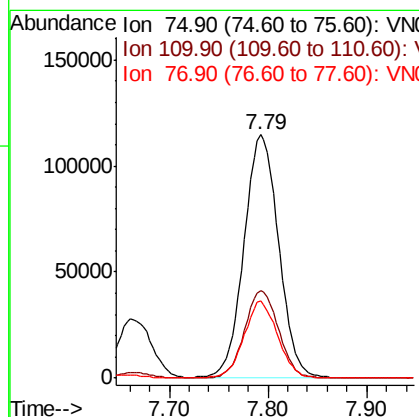
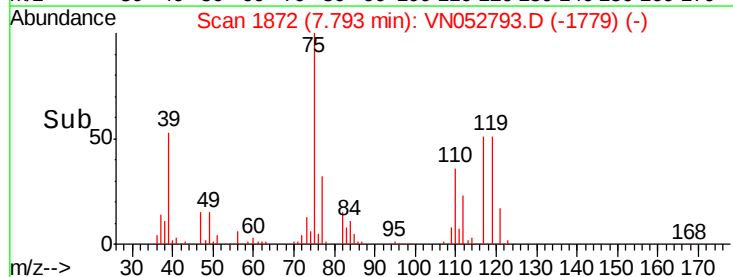
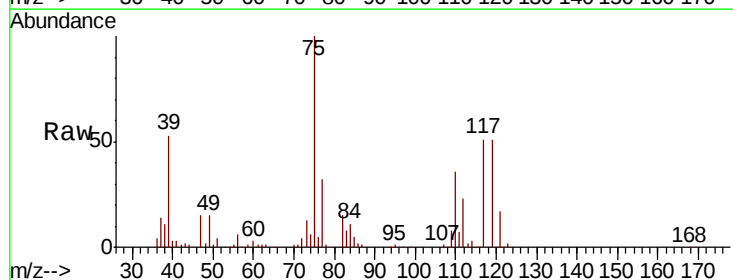
RT: 7.79 min Scan# 1872

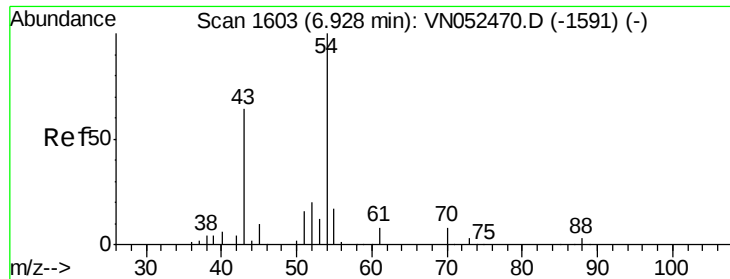
Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Tgt Ion:	75	Resp:	277026
Ion Ratio	Lower	Upper	
75	100		
110	35.6	17.5	52.6
77	31.1	24.5	36.7





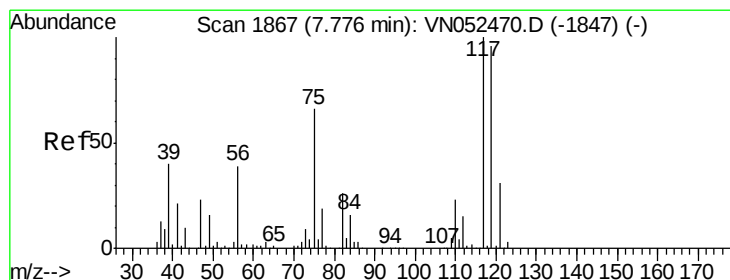
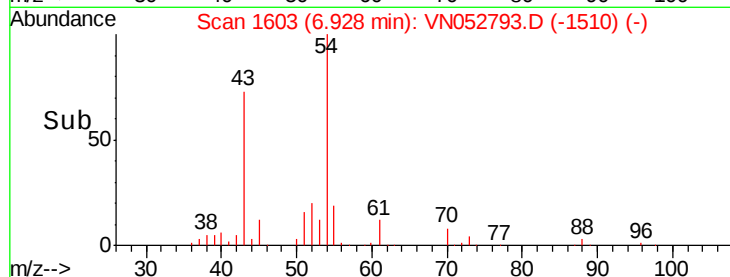
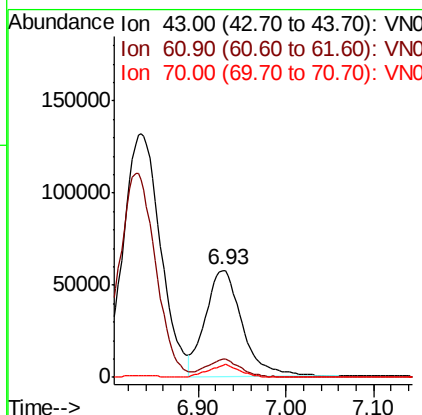
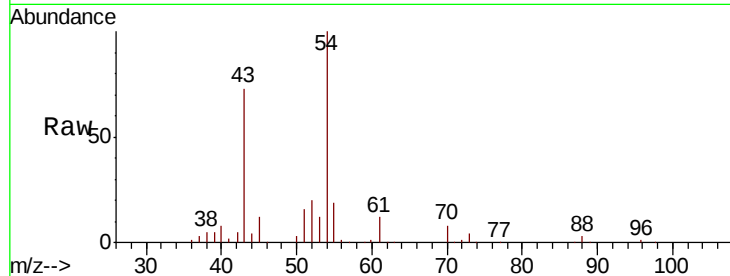
#37
Ethyl Acetate
Concen: 18.883 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion	43	61	70
Ion	43	61	70
Ratio	100	15.6	9.9
Lower		11.8	7.8
Upper		17.8	11.8

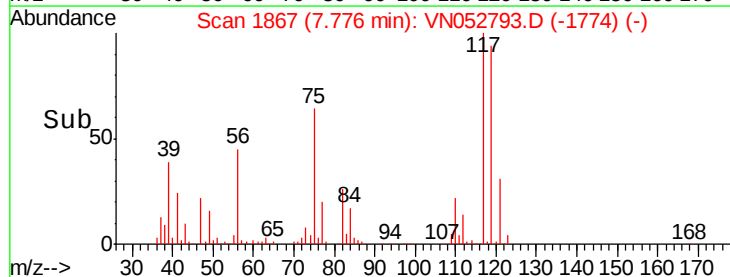
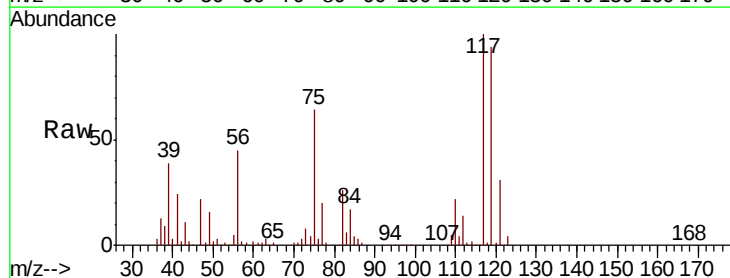
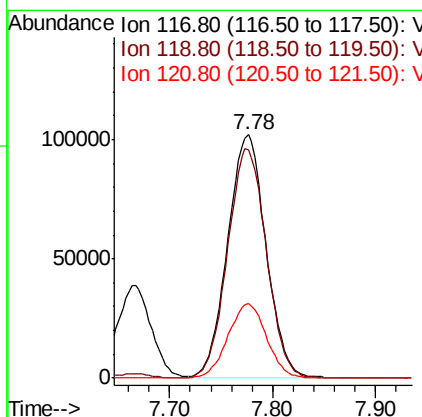
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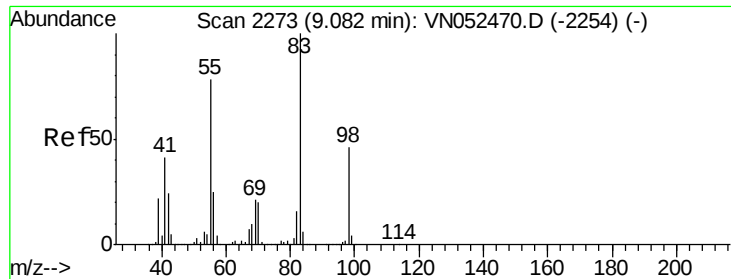
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#38
Carbon Tetrachloride
Concen: 20.051 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion	117	119	121
Ion	117	119	121
Ratio	100	93.7	30.7
Lower		76.8	24.9
Upper		115.2	37.3





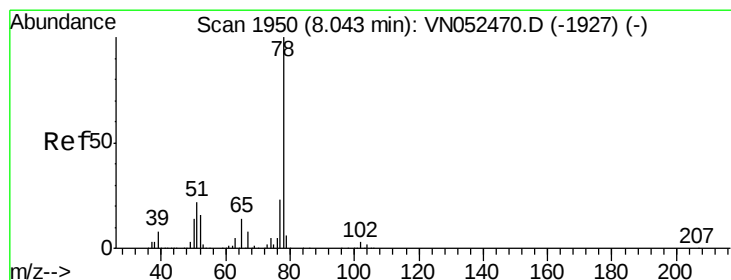
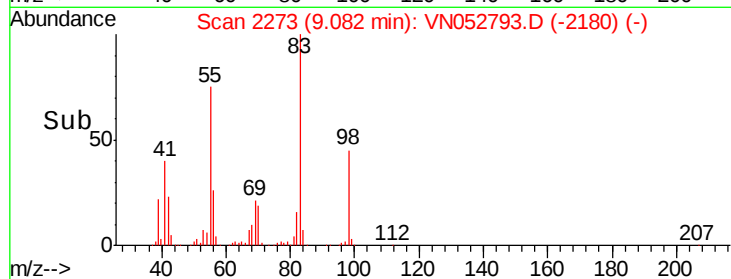
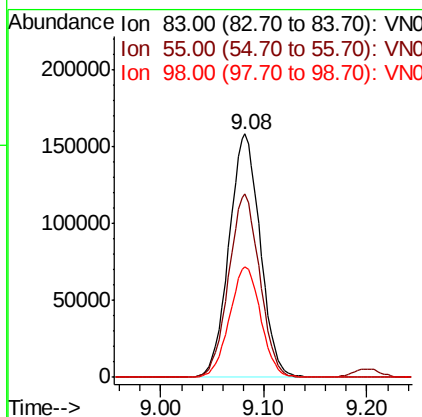
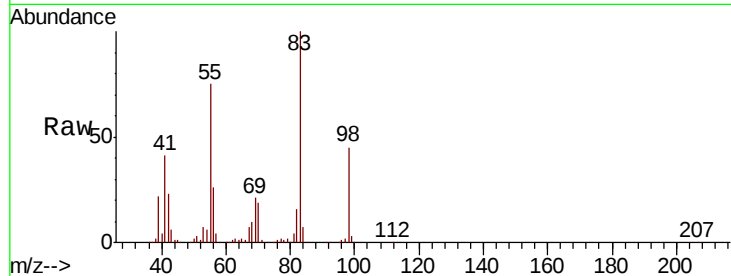
#39
Methvlcvclohexane
Concen: 18.804 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.1	62.2	93.2	
98	45.2	36.4	54.6	

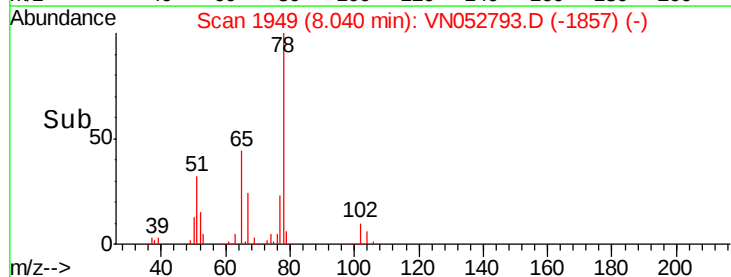
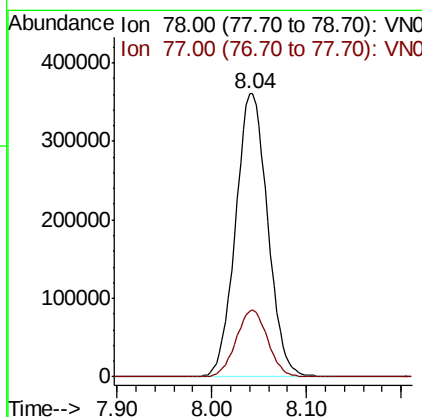
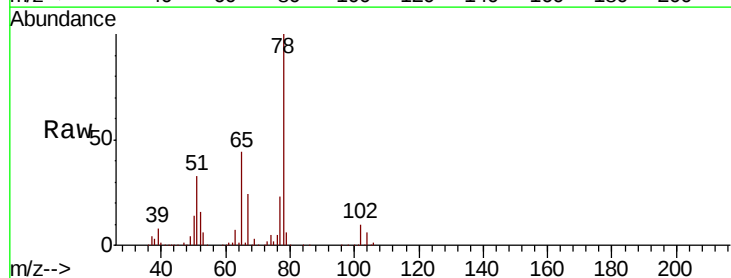
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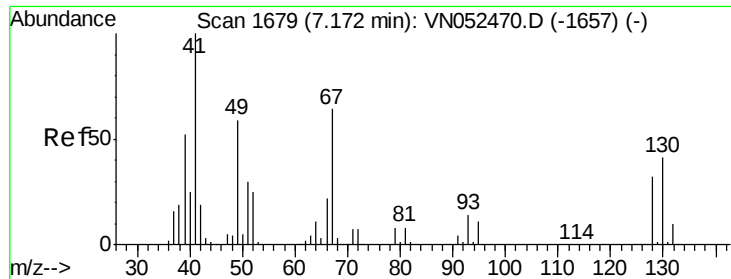
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#40
Benzene
Concen: 19.582 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.2	18.8	28.2	





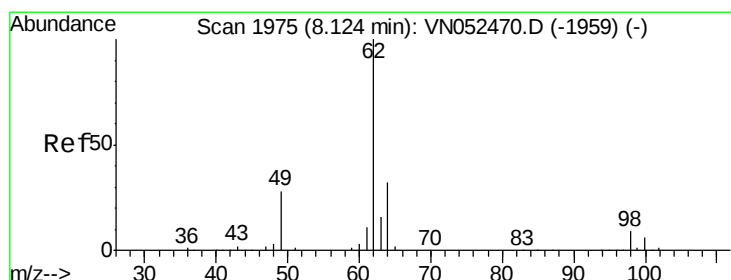
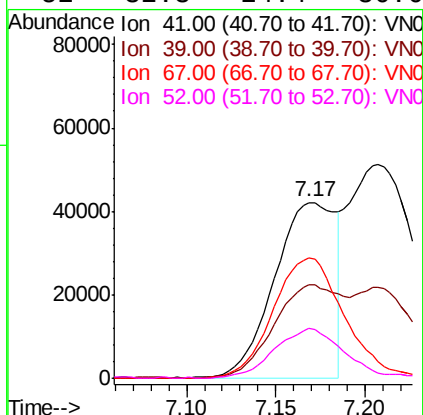
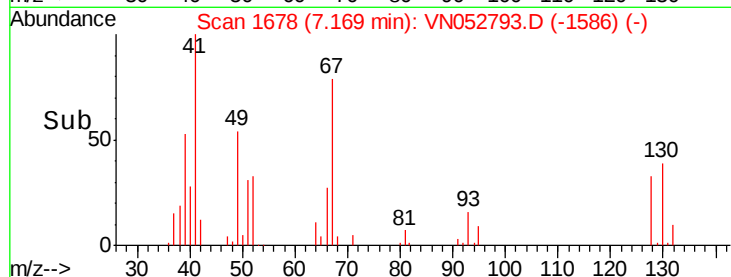
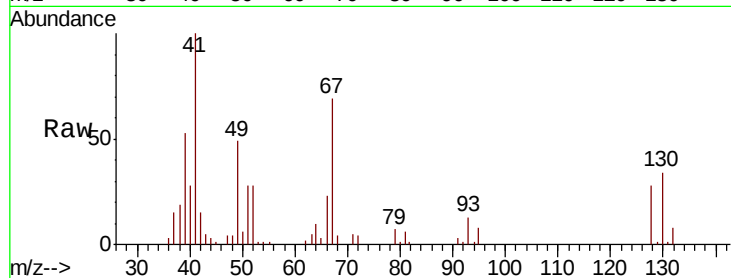
#41
Methacrylonitrile
Concen: 20.734 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.5	50.9	76.3
67	80.0	63.6	95.4
52	32.3	24.4	36.6

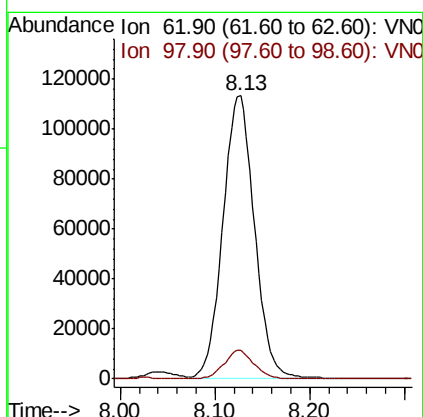
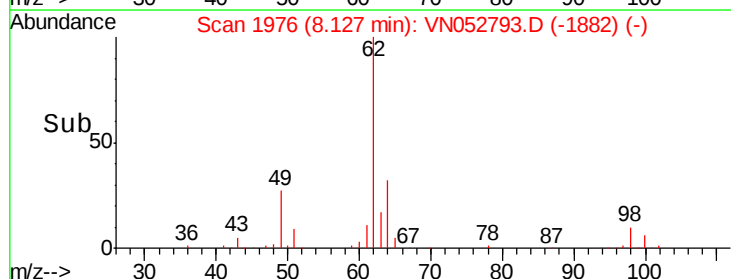
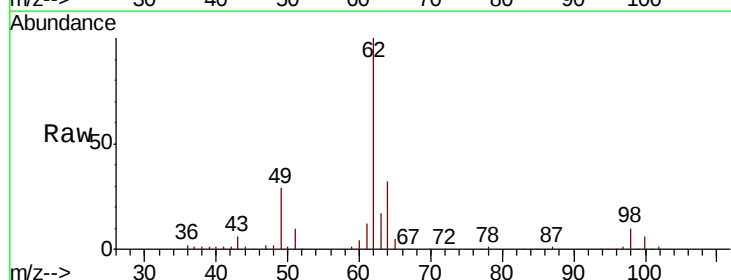
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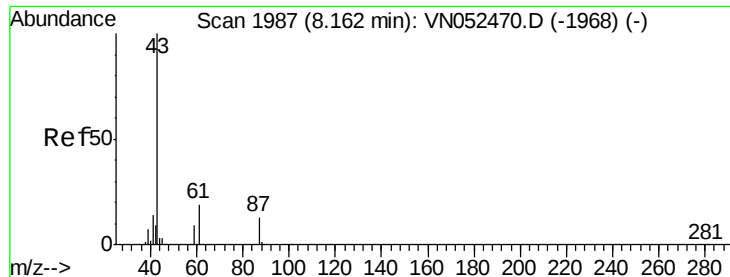
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#42
1,2-Dichloroethane
Concen: 19.921 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.6





#43

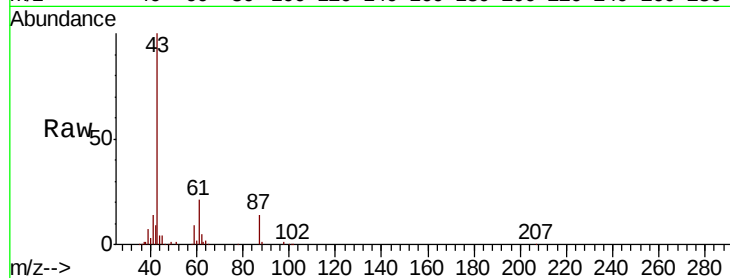
Isopropyl Acetate
 Concen: 22.094 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBS01

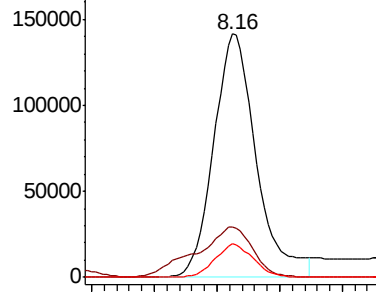
Tot Ion	Ratio	Lower	Upper
43	100		
61	27.2	24.1	36.1
87	12.4	10.6	15.8

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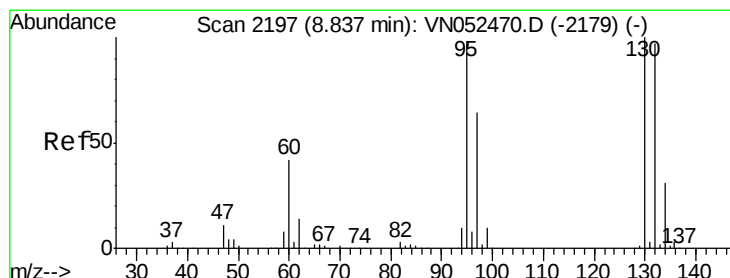
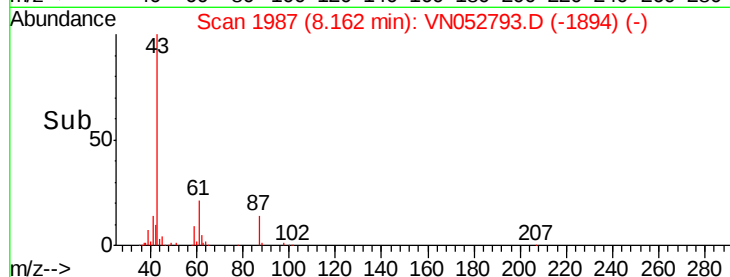
MMDadoda
 12/12/2018 11:33:09 AM



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)
 Ion 61.00 (60.70 to 61.70): VN052470.D (-1968) (-)
 Ion 87.00 (86.70 to 87.70): VN052470.D (-1968) (-)



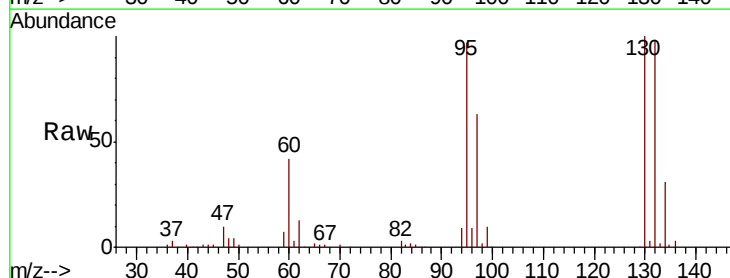
Time-->



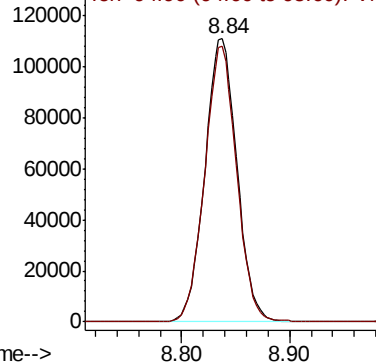
#44

Trichloroethene
 Concen: 20.661 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

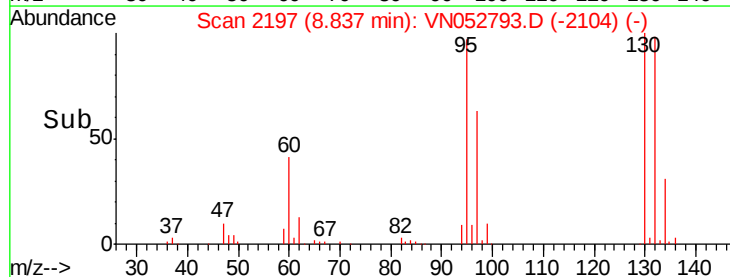
Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	195.6

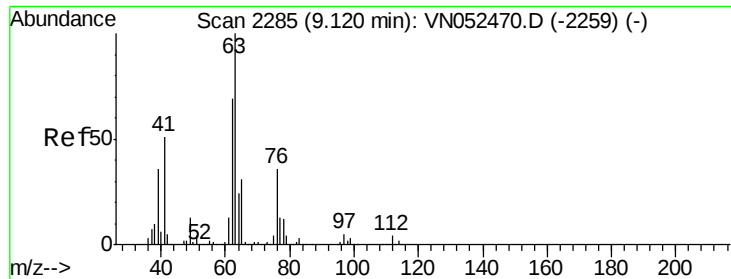


Abundance Ion 129.80 (129.50 to 130.50): VN052793.D (-2104) (-)
 Ion 94.90 (94.60 to 95.60): VN052793.D (-2104) (-)



Time-->





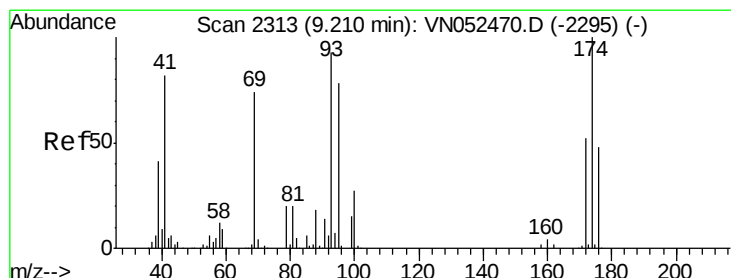
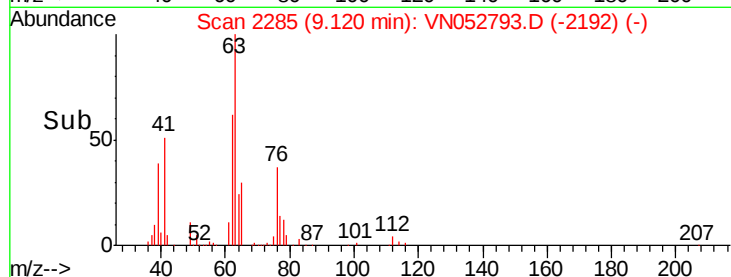
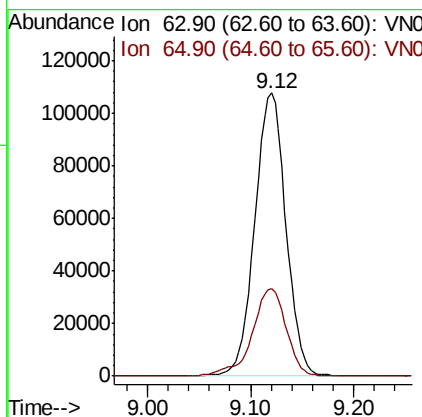
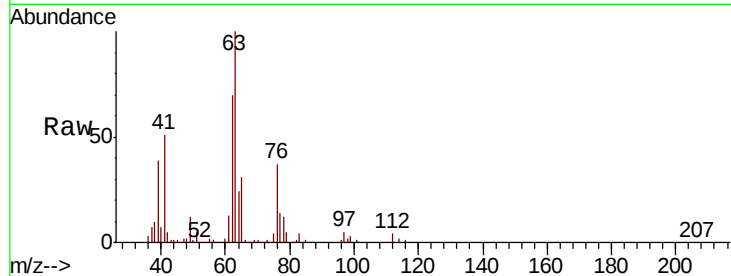
#45
 1,2-Dichloropropane
 Concen: 19.572 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBS01

Tot Ion: 63 Resp: 225927
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.6

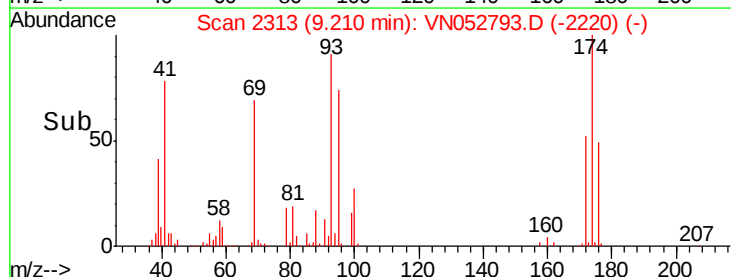
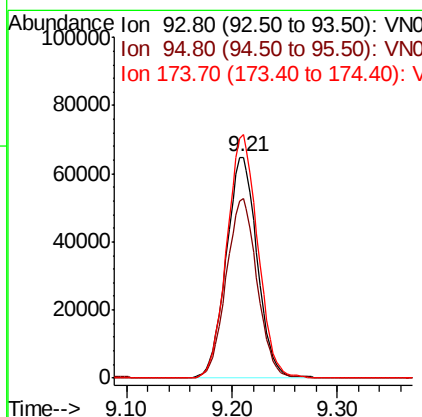
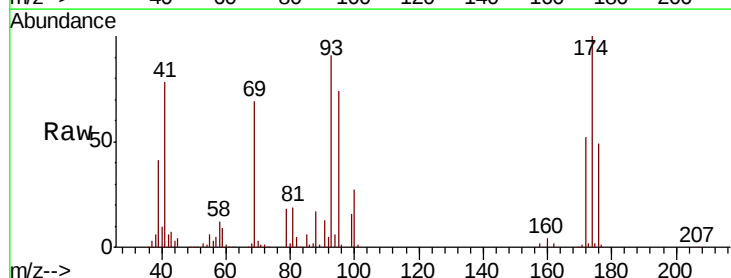
Manual Integrations
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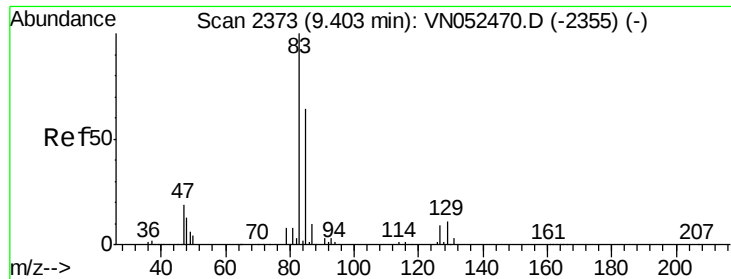
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 12/12/2018 11:33:09 AM



#46
 Dibromomethane
 Concen: 20.612 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Tgt Ion: 93 Resp: 131716
 Ion Ratio Lower Upper
 93 100
 95 81.3 67.1 100.7
 174 110.1 85.8 128.8





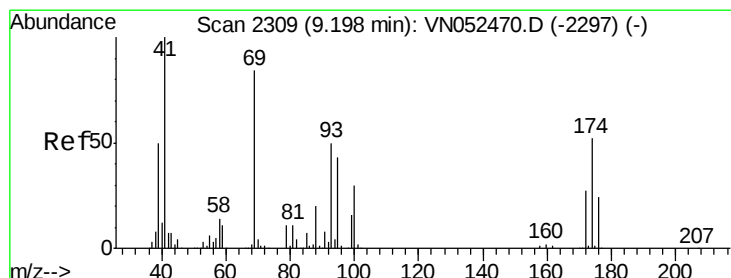
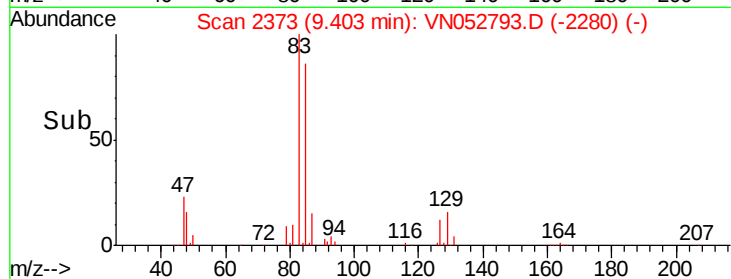
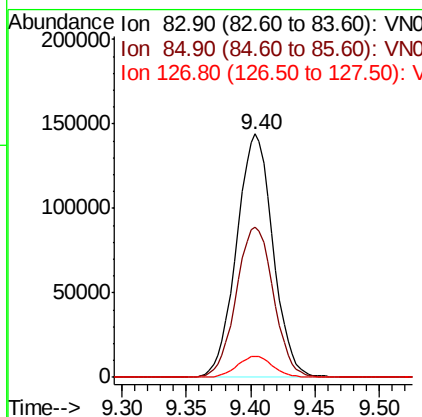
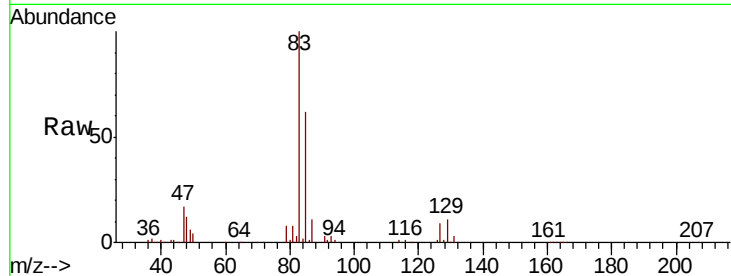
#47
Bromodichloromethane
Concen: 20.390 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	283289		
85	61.8		51.3	76.9
127	8.7		6.9	10.3

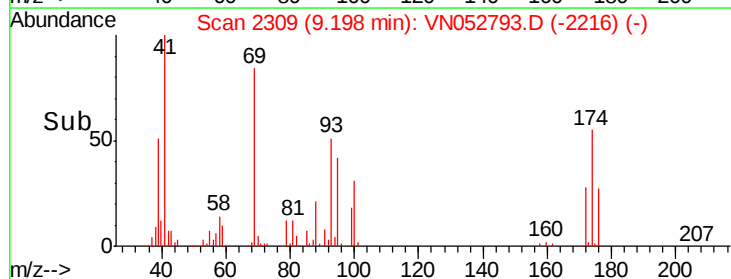
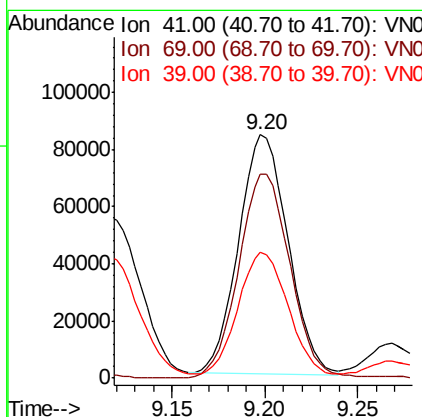
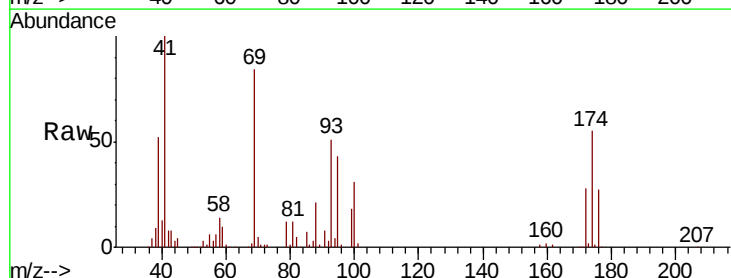
Manual Integrations
APPROVED

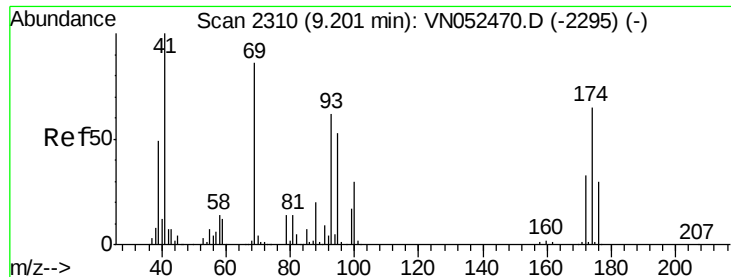
MMDadoda
12/12/2018 11:33:09 AM



#48
Methyl methacrylate
Concen: 19.733 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	154821		
69	89.3		70.0	105.0
39	54.3		42.6	64.0





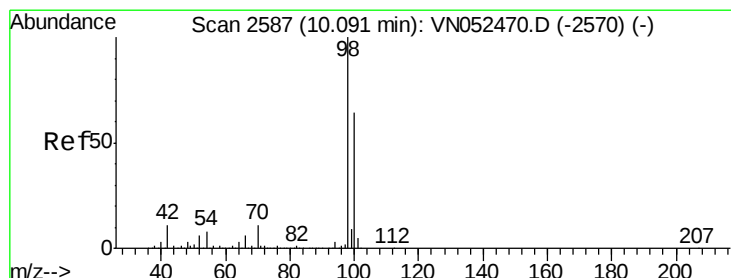
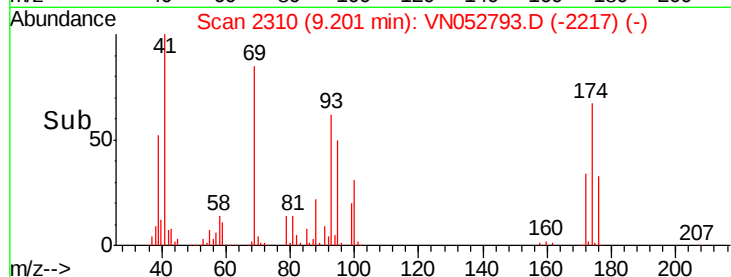
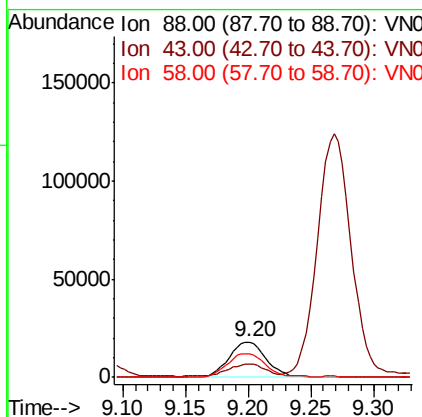
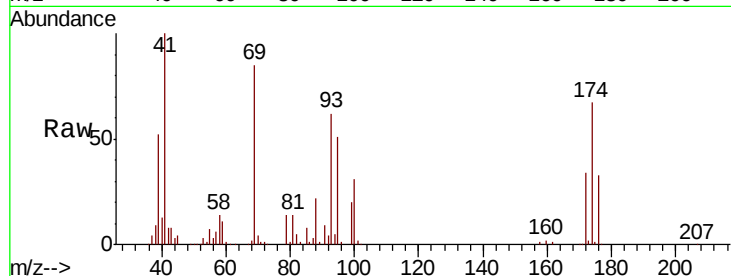
#49
1,4-Dioxane
Concen: 460.463 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.3	26.4	39.6
58	69.1	55.4	83.0

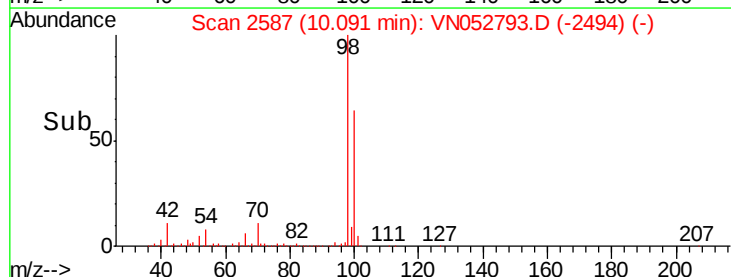
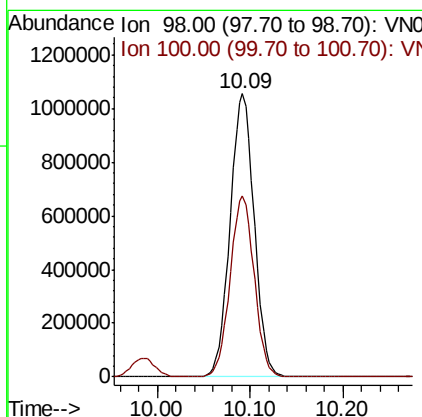
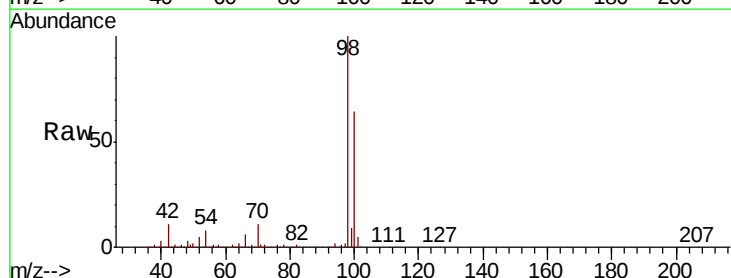
Manual Integrations
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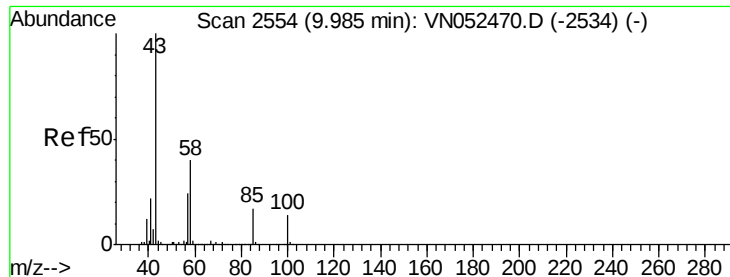
MMDadoda
12/12/2018 11:33:09 AM



#50
Toluene-d8
Concen: 460.463 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 102.689 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

Tot Ion: 43 Resp: 866934

Ion Ratio Lower Upper

43 100

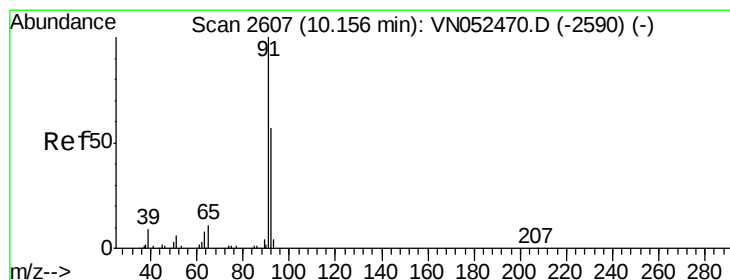
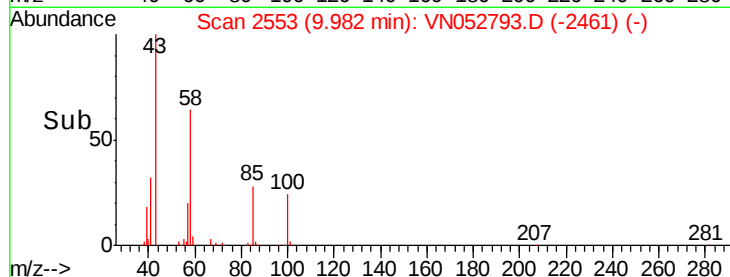
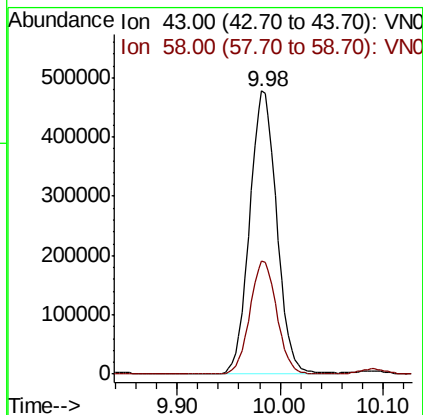
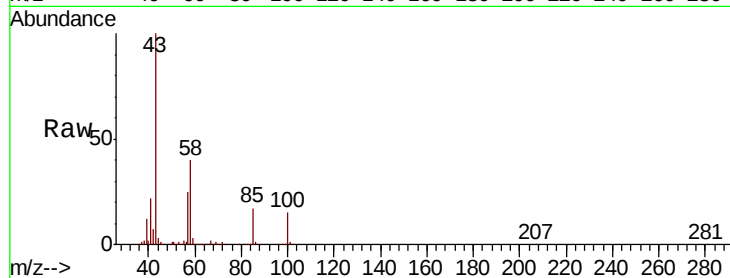
58 39.7 31.5 47.3

Manual Integrations

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#52

Toluene

Concen: 20.201 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052793.D

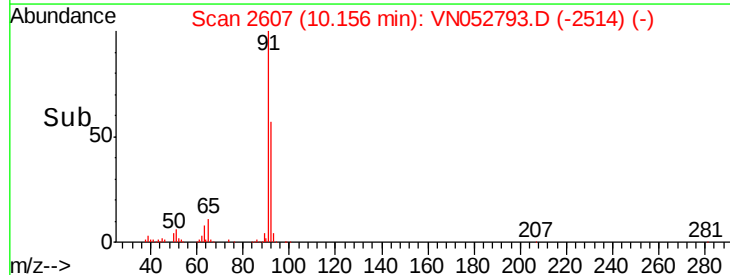
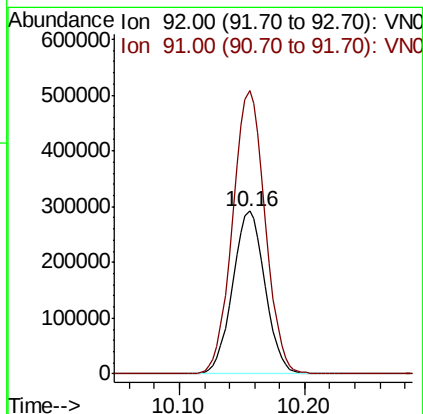
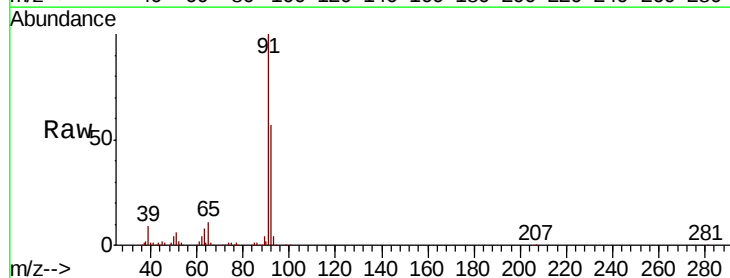
Acq: 11 Dec 2018 10:50

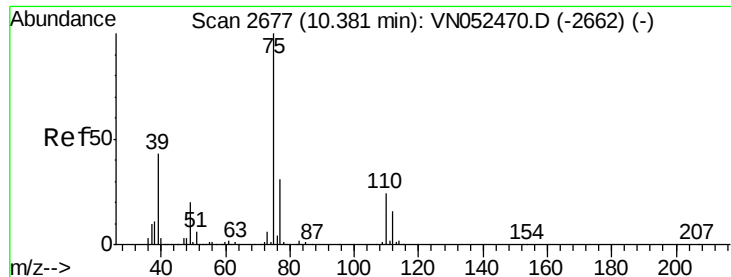
Tgt Ion: 92 Resp: 521116

Ion Ratio Lower Upper

92 100

91 175.5 141.0 211.4





#53

t-1,3-Dichloropropene

Concen: 20.608 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

Tot Ion: 75 Resp: 275437

Ion Ratio Lower Upper

75 100

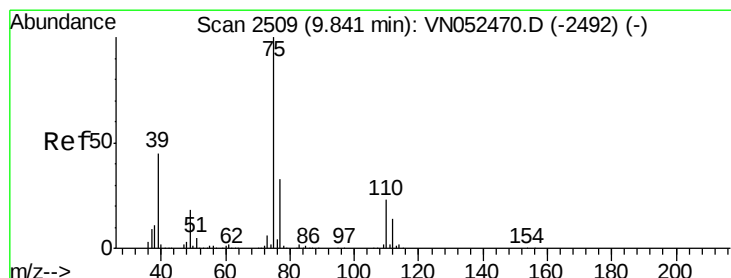
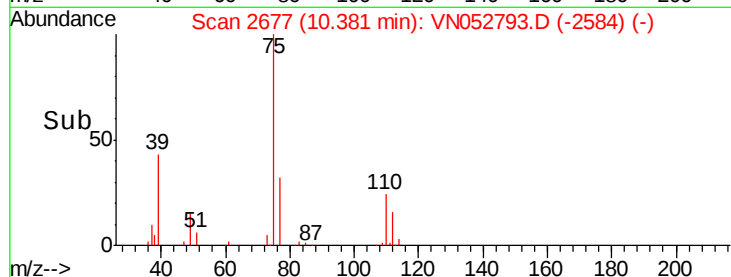
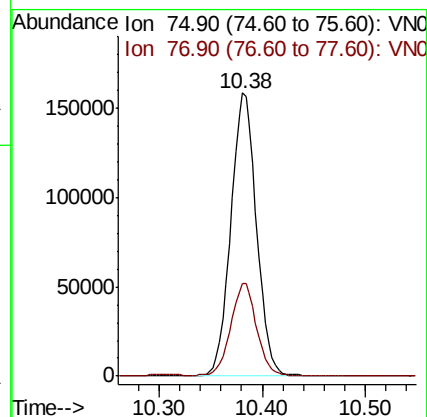
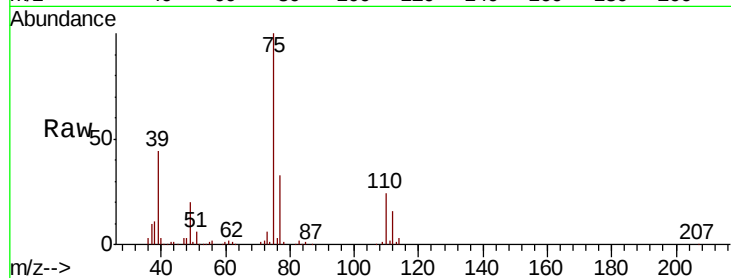
77 32.7 25.0 37.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.425 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

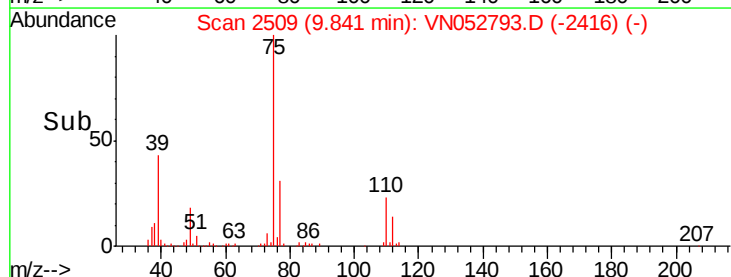
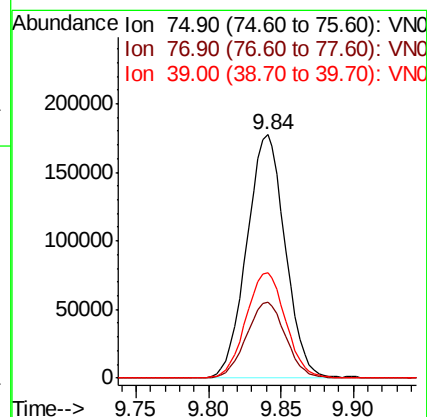
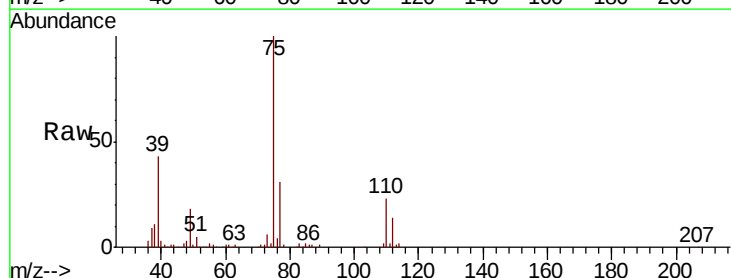
Tgt Ion: 75 Resp: 327143

Ion Ratio Lower Upper

75 100

77 31.2 26.2 39.2

39 43.4 36.0 54.0





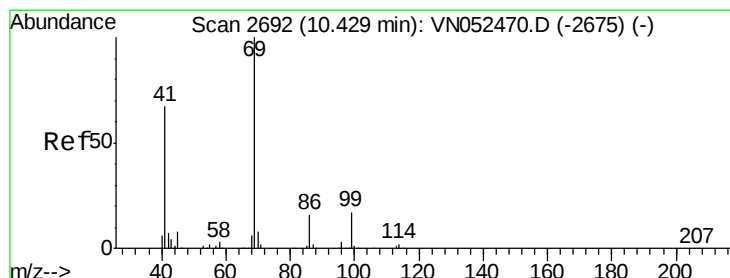
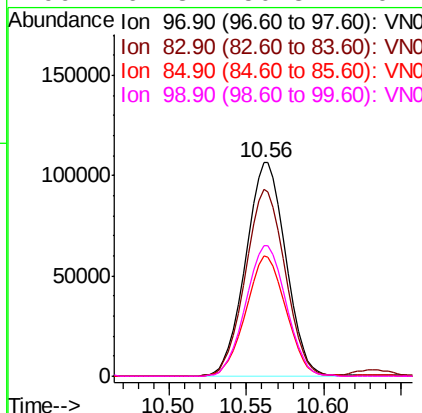
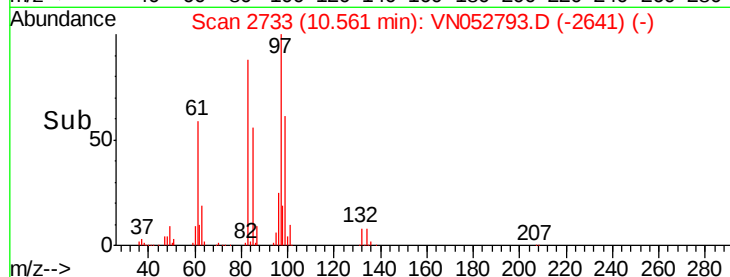
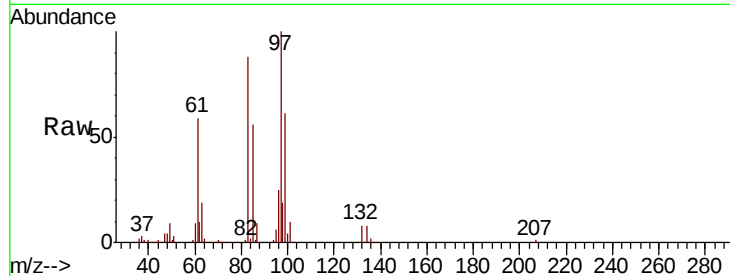
#55
 1,1,2-Trichloroethane
 Concen: 21.234 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBS01

Tot Ion:	97	Resp:	192682
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.7	106.1
85	56.2	46.1	69.1
99	61.3	50.8	76.2

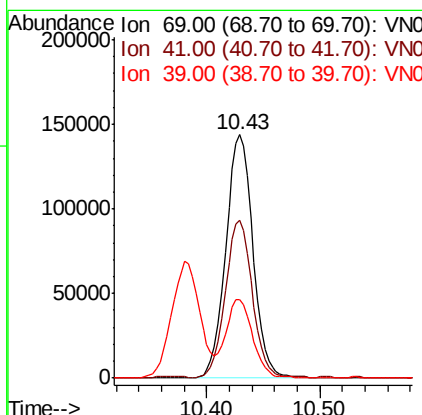
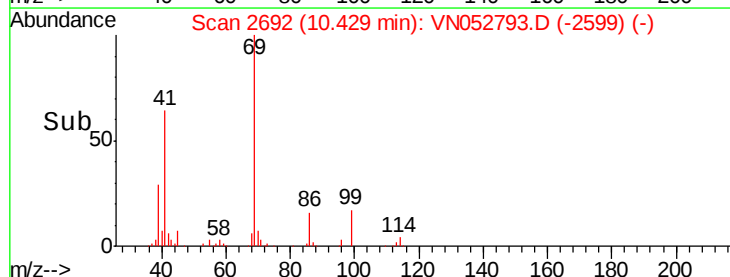
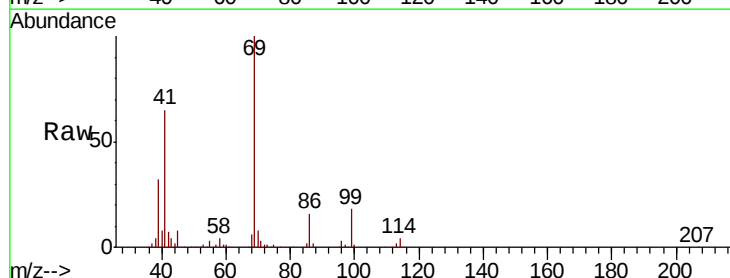
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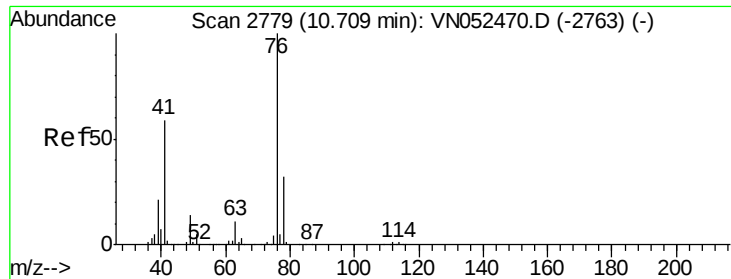
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 12/12/2018 11:33:09 AM



#56
 Ethyl methacrylate
 Concen: 20.761 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Tgt Ion:	69	Resp:	240624
Ion	Ratio	Lower	Upper
69	100		
41	63.3	52.6	79.0
39	32.0	25.9	38.9





#57

1,3-Dichloropropane

Concen: 20.246 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

Tot Ion: 76 Resp: 324395

Ion Ratio Lower Upper

76 100

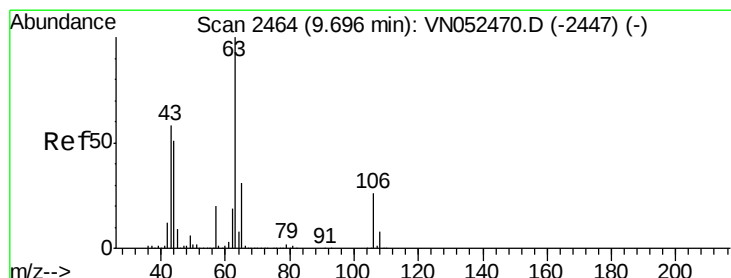
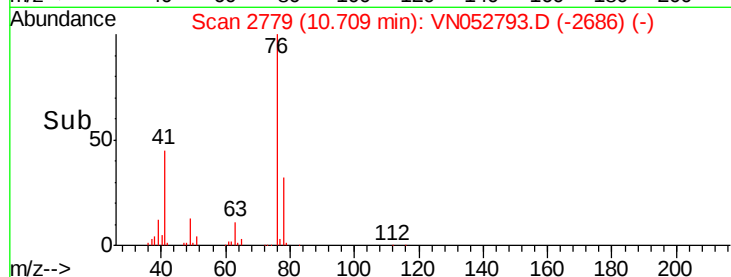
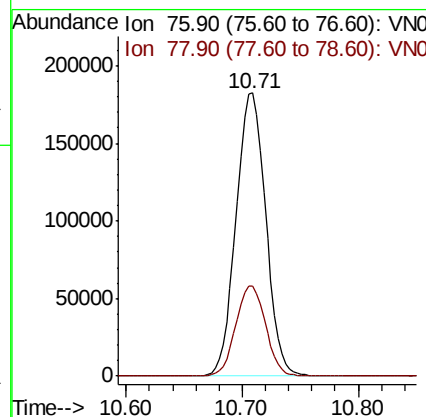
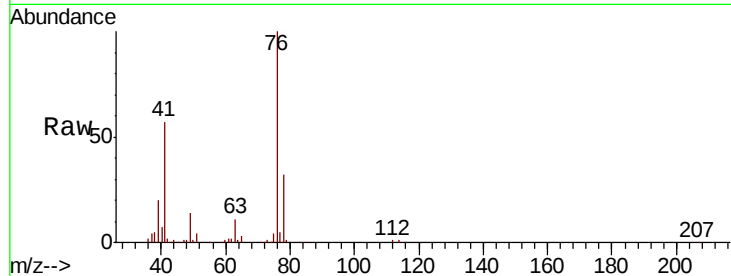
78 31.9 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 103.223 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052793.D

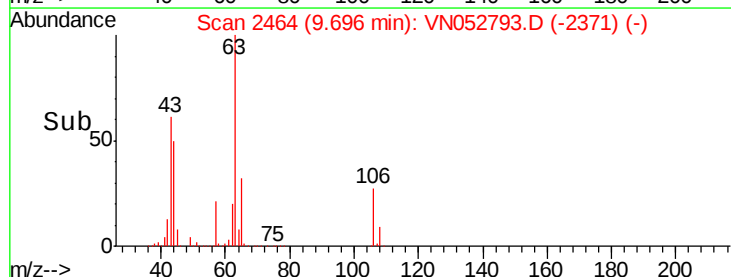
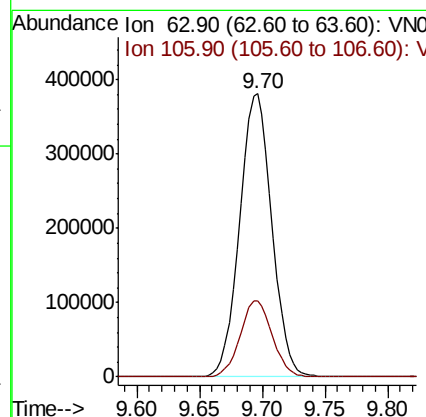
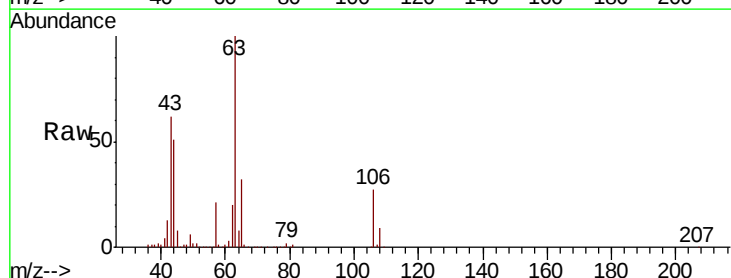
Acq: 11 Dec 2018 10:50

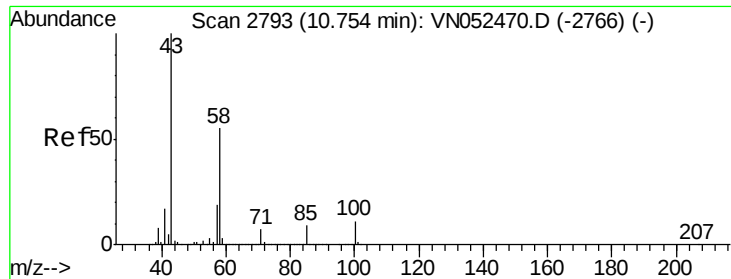
Tgt Ion: 63 Resp: 679660

Ion Ratio Lower Upper

63 100

106 26.8 20.6 30.8





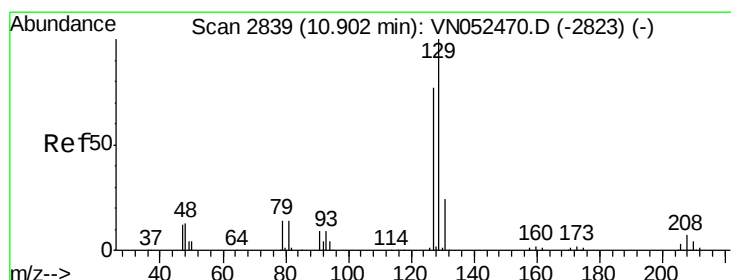
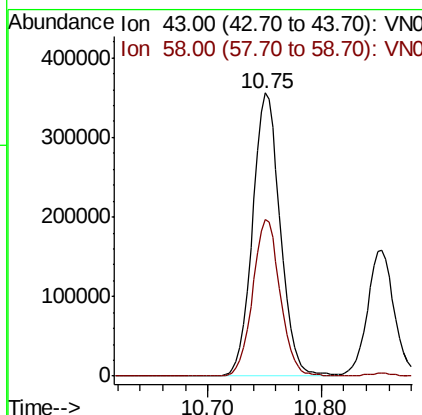
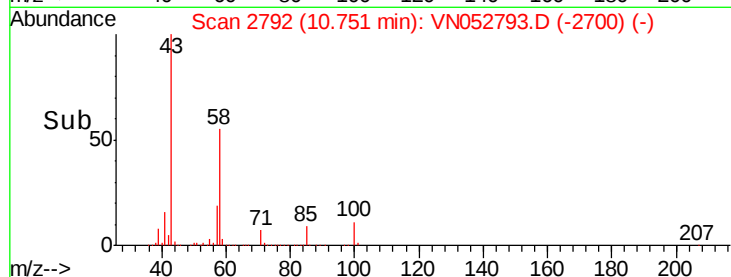
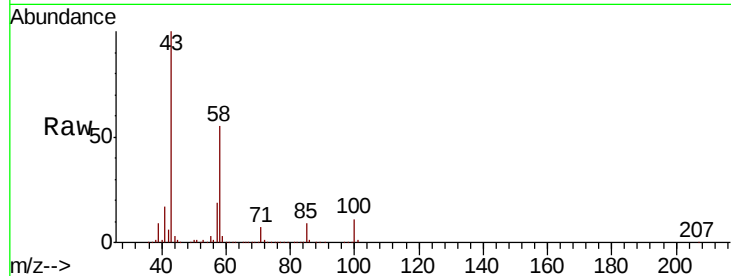
#59
2-Hexanone
Concen: 106.568 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion: 43 Resp: 603826
Ion Ratio Lower Upper
43 100
58 54.8 27.4 82.0

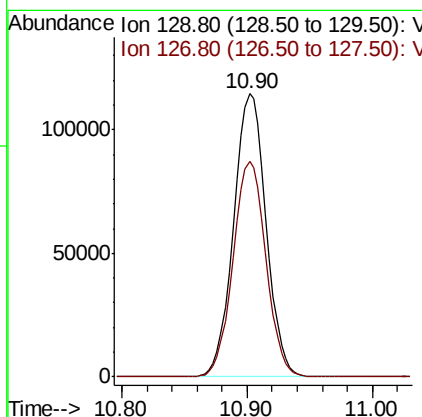
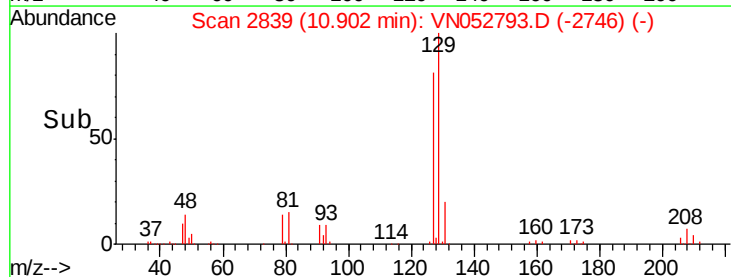
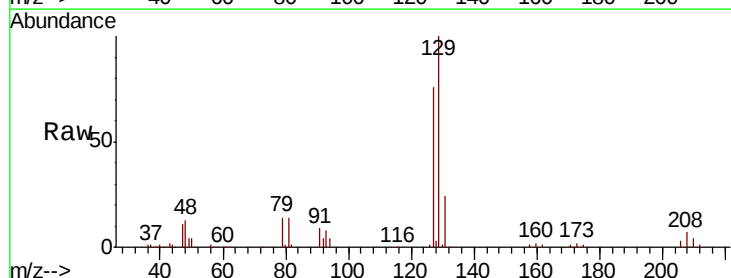
Manual Integrations
APPROVED

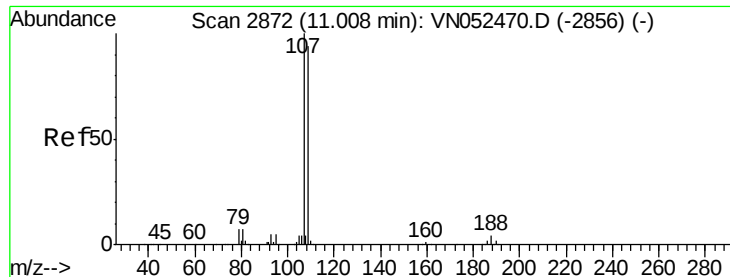
MMDadoda
12/12/2018 11:33:09 AM



#60
Dibromochloromethane
Concen: 20.892 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion: 129 Resp: 205896
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.6





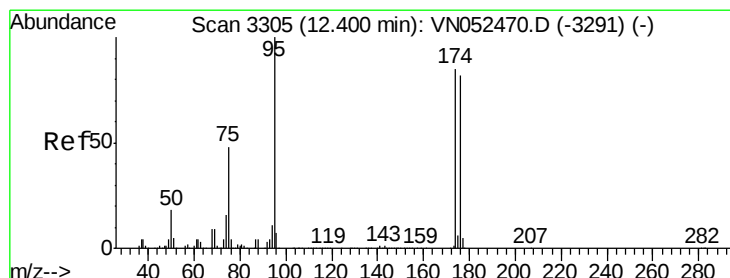
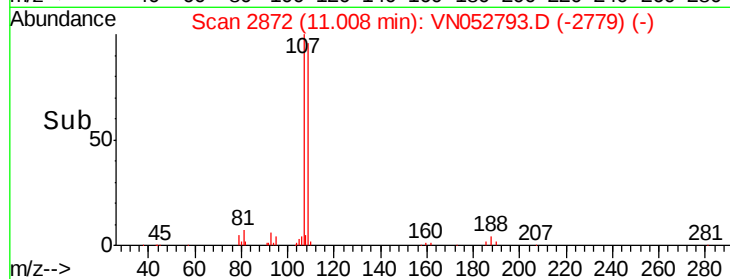
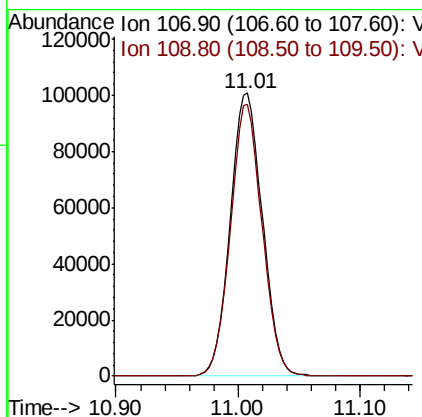
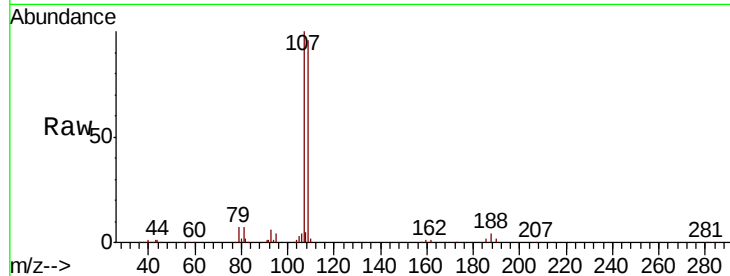
#61
 1,2-Dibromoethane
 Concen: 20.483 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.6	113.4

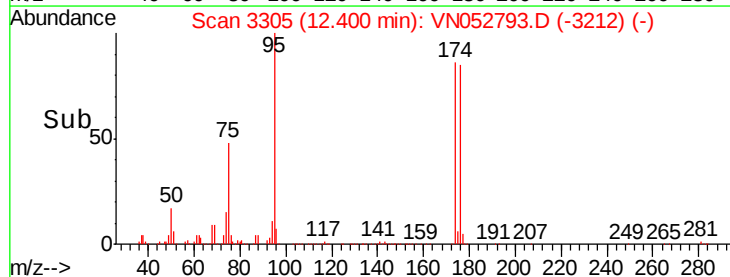
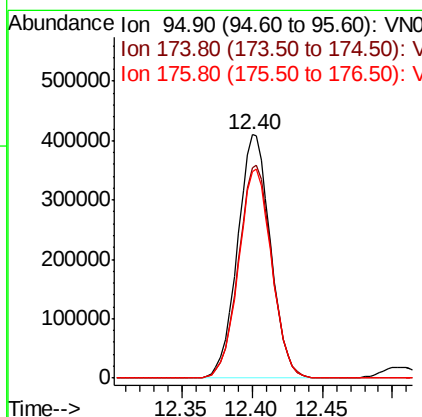
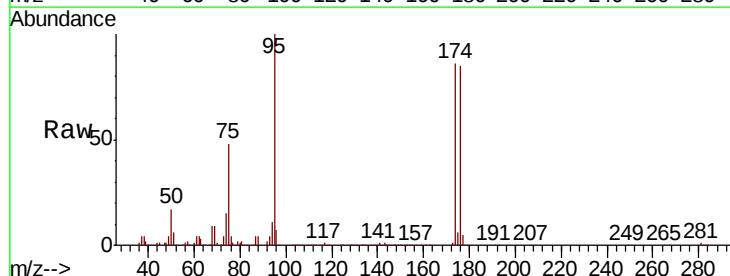
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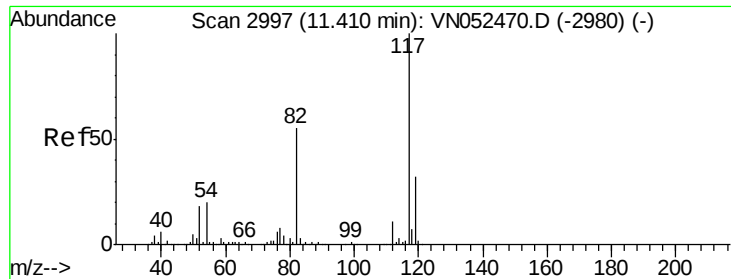
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 12/12/2018 11:33:09 AM



#62
 4-Bromofluorobenzene
 Concen: 20.483 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.6	0.0	173.0
176	86.5	0.0	166.2





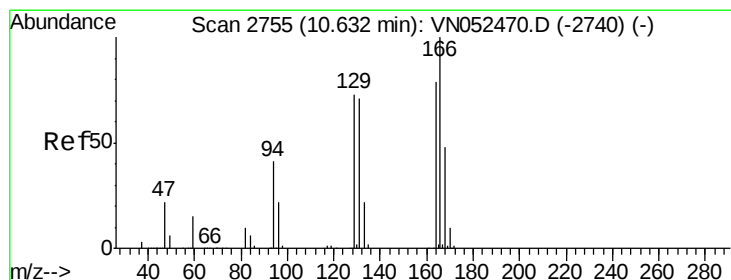
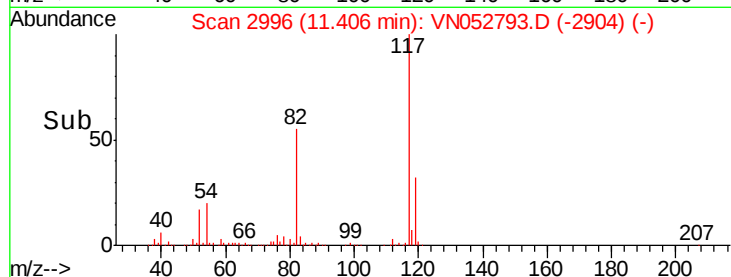
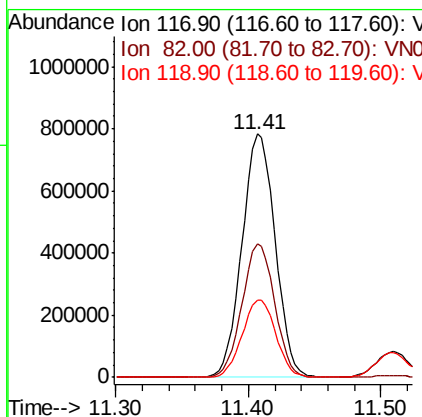
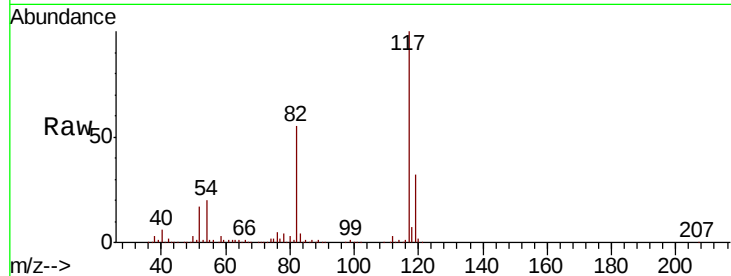
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	43.6	65.4
119	31.8	25.4	38.2

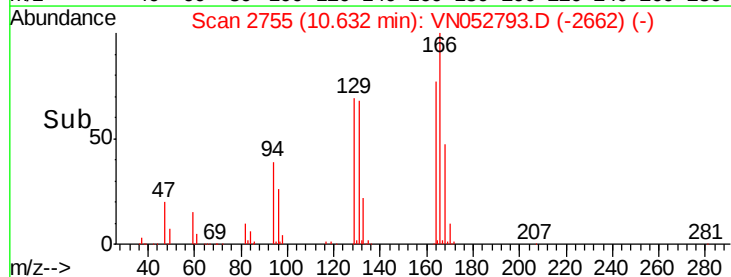
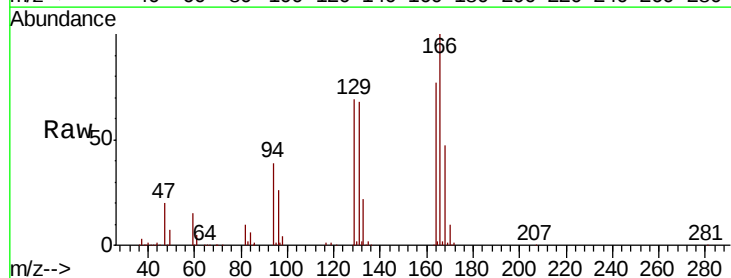
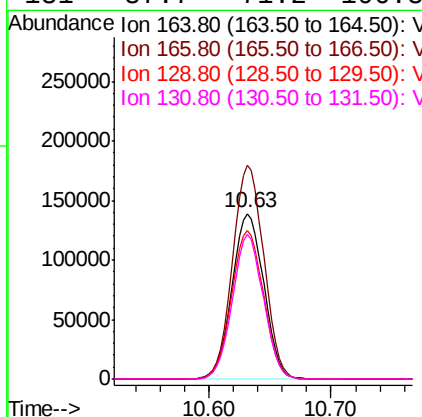
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#64
Tetrachloroethene
Concen: 23.759 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	101.0	151.4
129	89.8	73.8	110.6
131	87.7	71.2	106.8





#65

Chlorobenzene

Concen: 20.680 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

Tot Ion:112 Resp: 581765

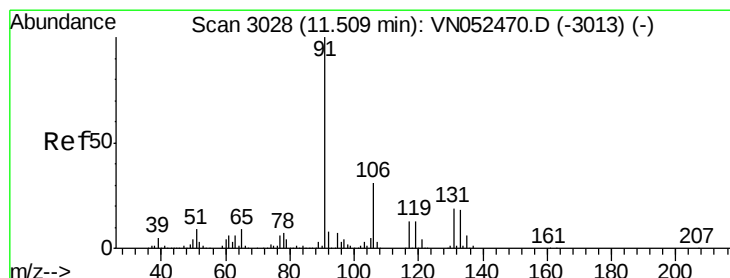
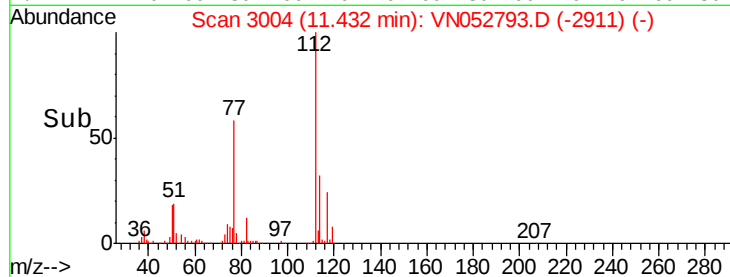
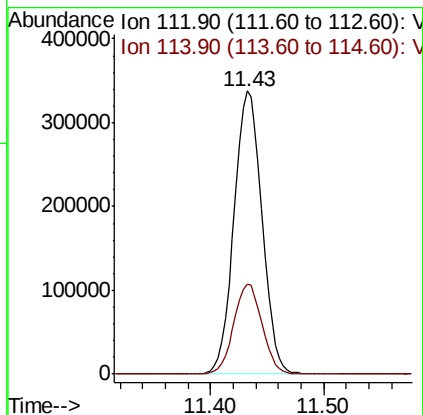
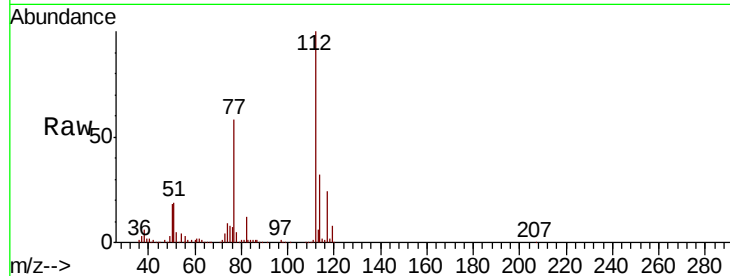
Ion Ratio Lower Upper

112 100

114 31.9 25.8 38.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.362 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

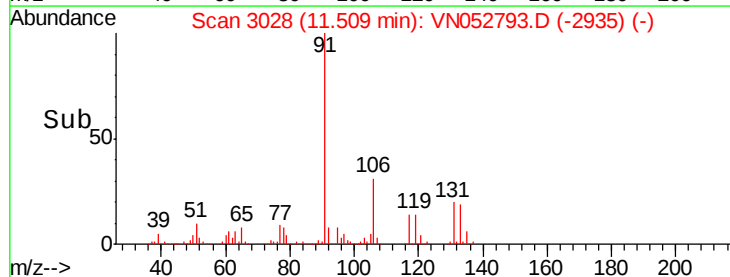
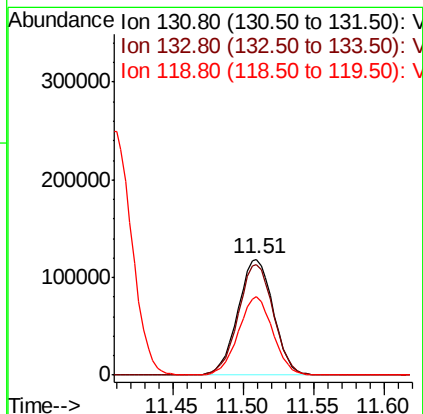
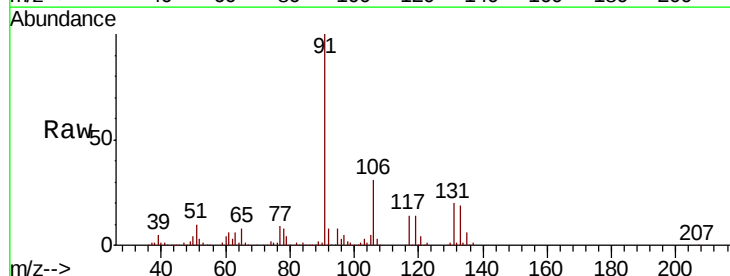
Tgt Ion:131 Resp: 208956

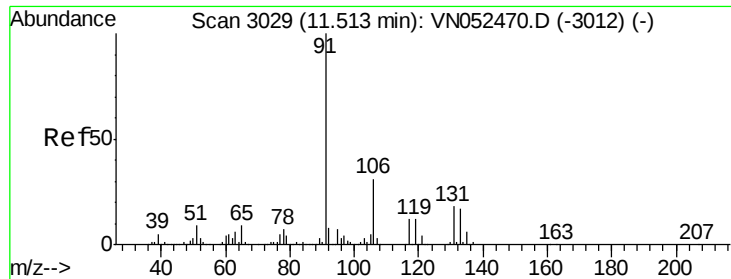
Ion Ratio Lower Upper

131 100

133 94.6 47.6 142.8

119 66.0 33.2 99.6





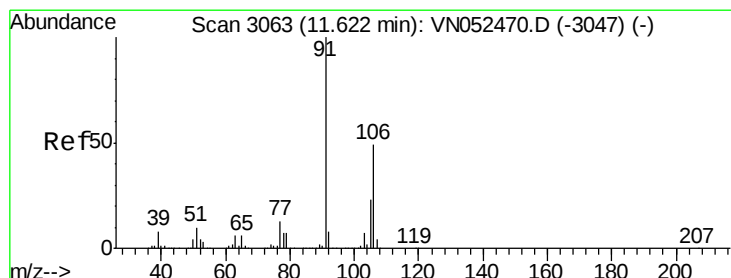
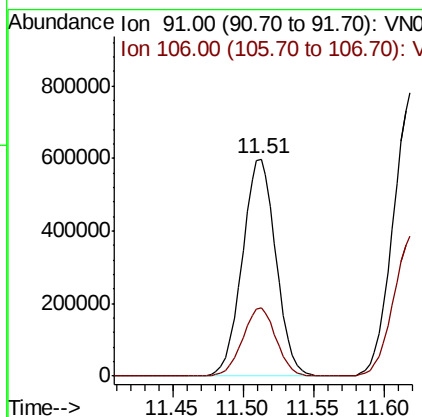
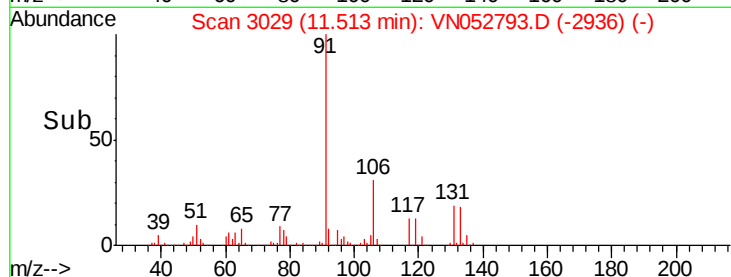
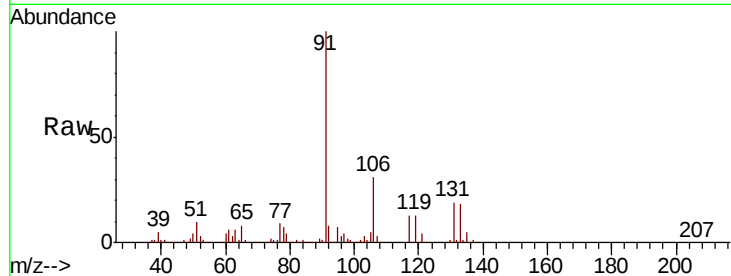
#67
Ethyl Benzene
Concen: 20.273 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion: 91 Resp: 998704
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3

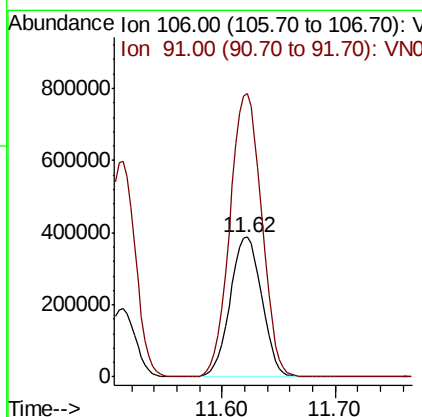
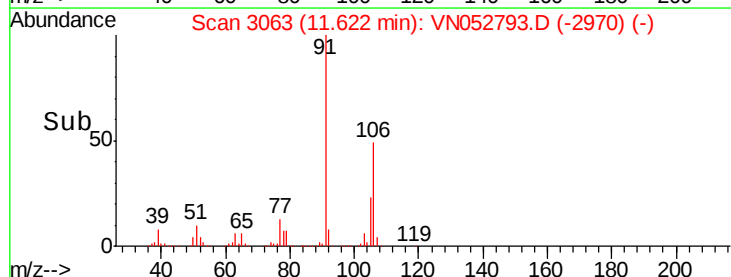
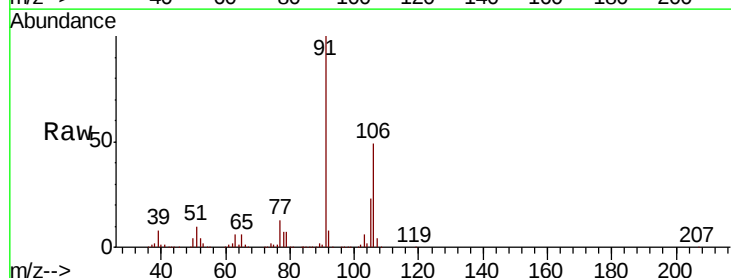
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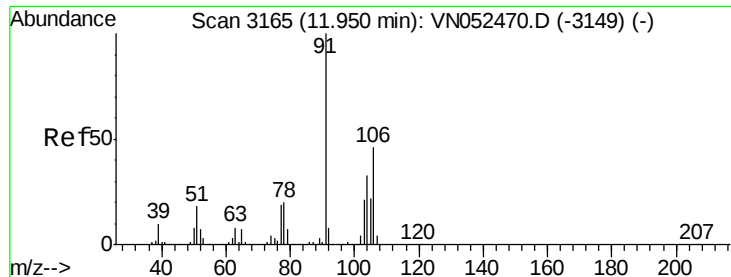
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#68
m/p-Xylenes
Concen: 41.138 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion: 106 Resp: 754460
Ion Ratio Lower Upper
106 100
91 203.4 163.2 244.8





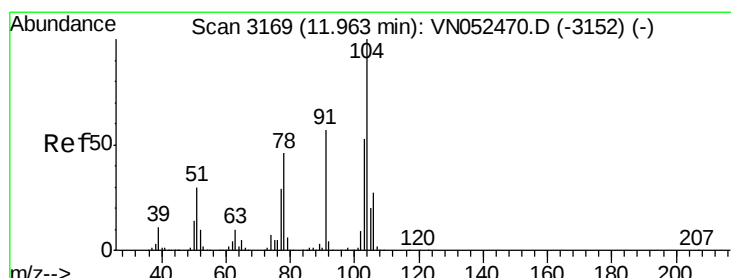
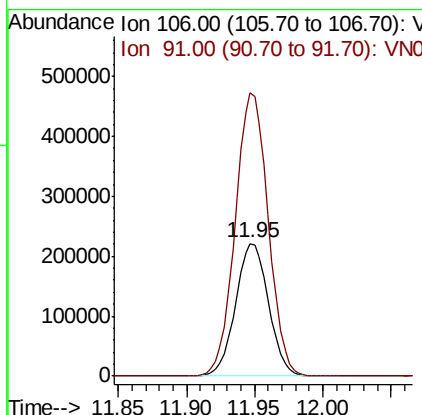
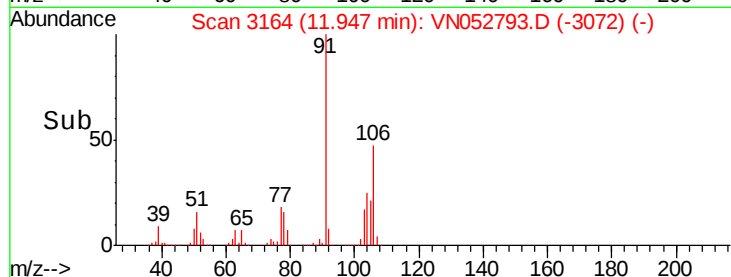
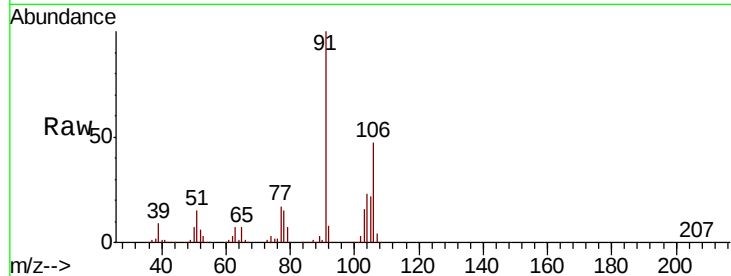
#69
o-Xylene
Concen: 20.782 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion:106 Resp: 370110
Ion Ratio Lower Upper
106 100
91 214.0 107.7 323.1

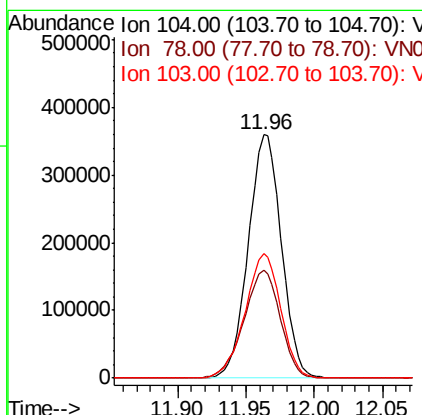
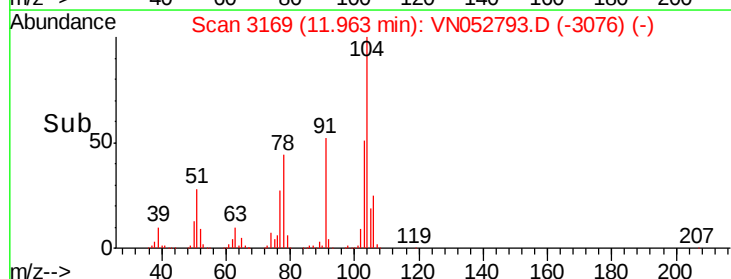
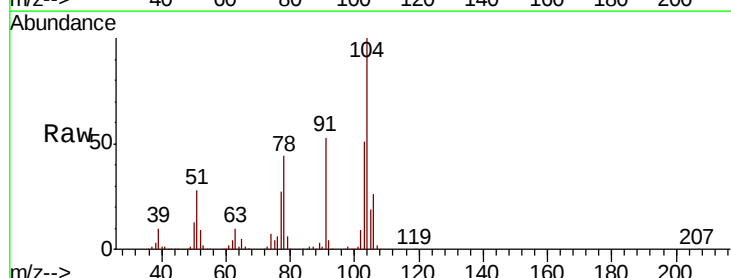
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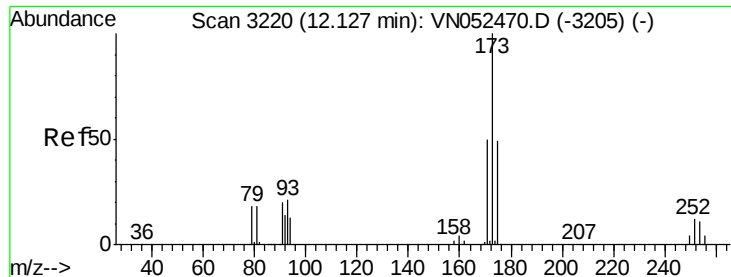
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#70
Styrene
Concen: 21.410 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion:104 Resp: 607307
Ion Ratio Lower Upper
104 100
78 48.6 39.4 59.2
103 55.1 44.9 67.3





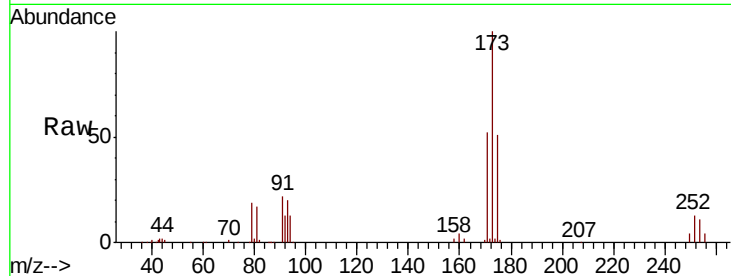
#71
Bromoform
Concen: 20.891 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.4	73.2
254	0.0	0.1	0.1#

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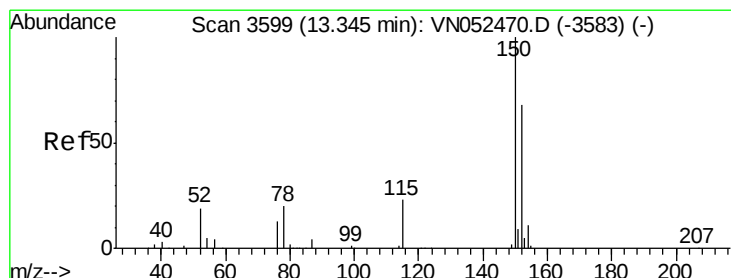
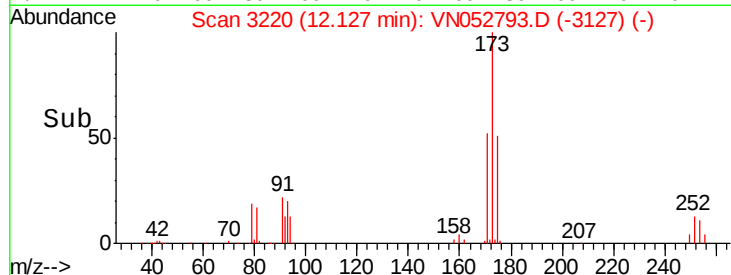
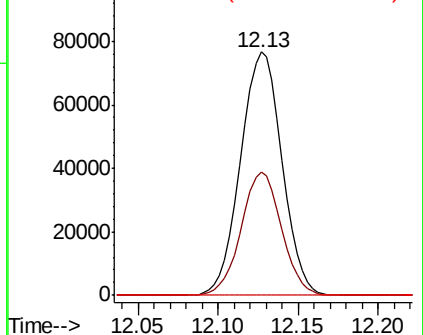


Abundance

Ion 172.70 (172.40 to 173.40): V

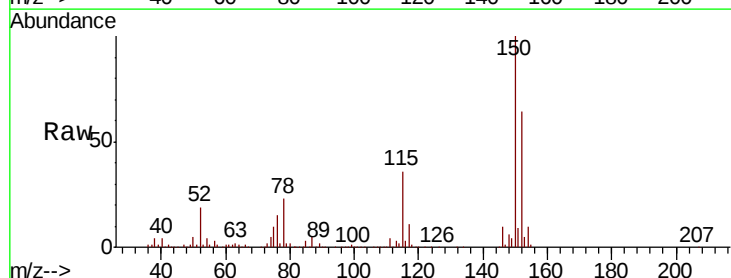
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.4	85.2
150	162.5	0.0	346.0

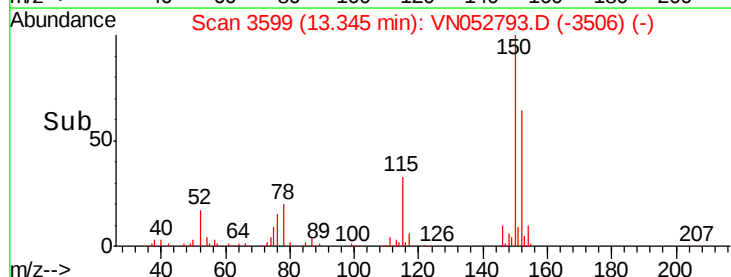
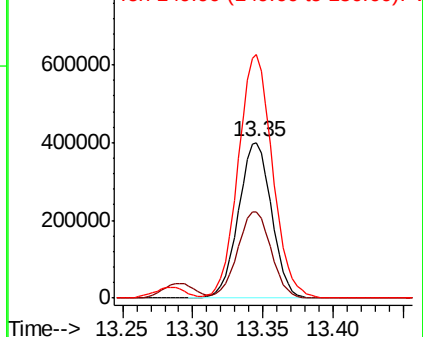


Abundance

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: 19.395 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

Tot Ion:105 Resp: 1000723

Ion Ratio Lower Upper

105 100

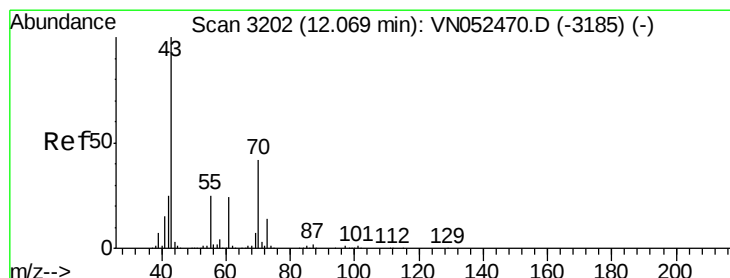
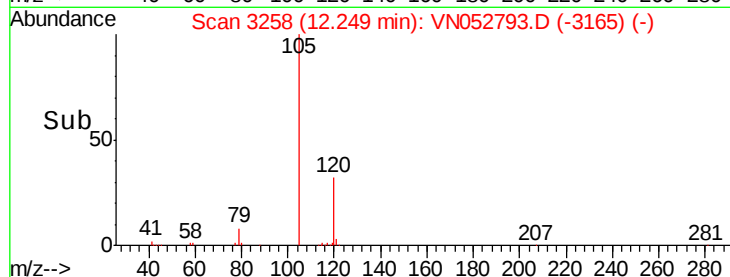
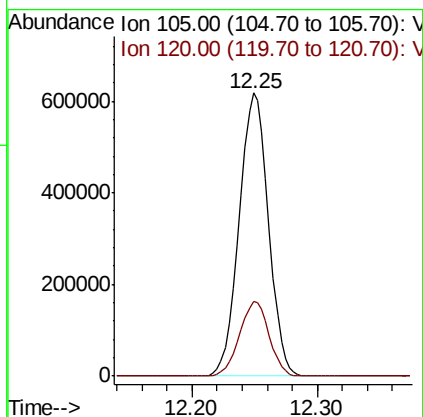
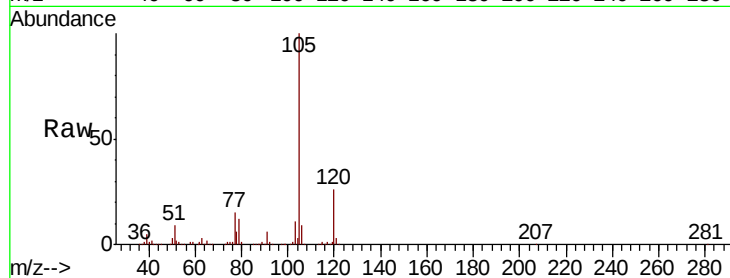
120 26.7 13.1 39.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.366 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Tgt Ion: 43 Resp: 265484

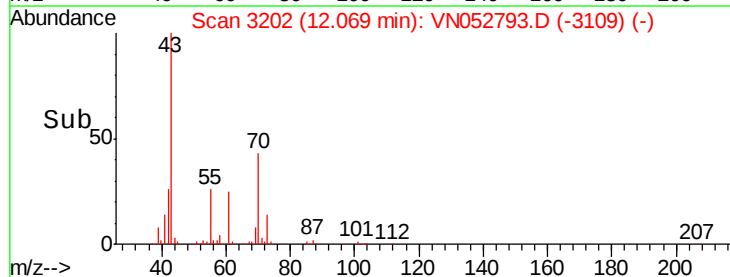
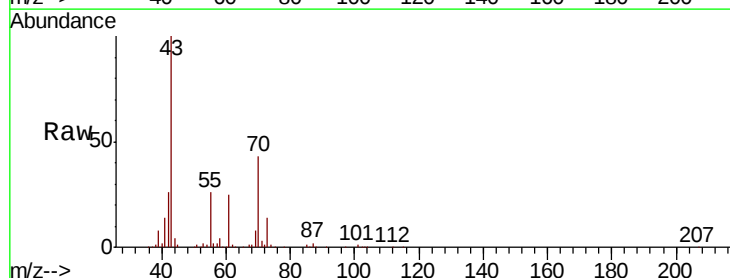
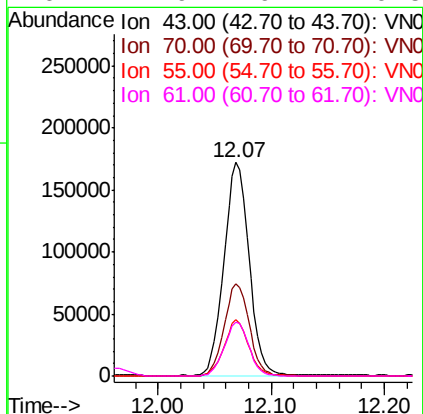
Ion Ratio Lower Upper

43 100

70 43.1 33.8 50.8

55 26.0 20.0 30.0

61 24.9 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.280 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

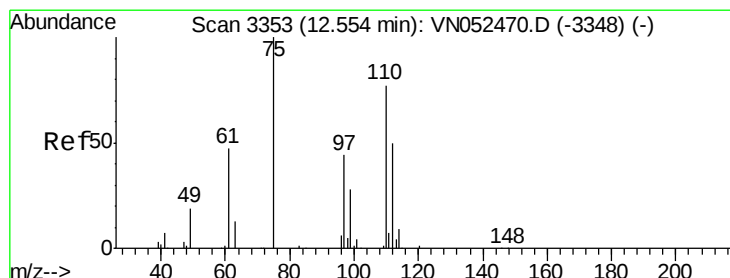
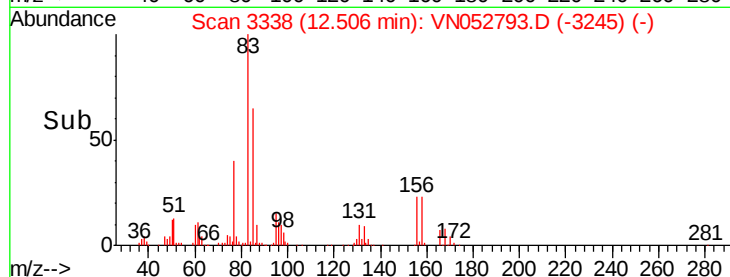
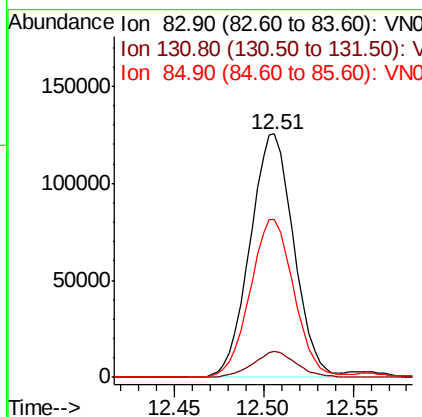
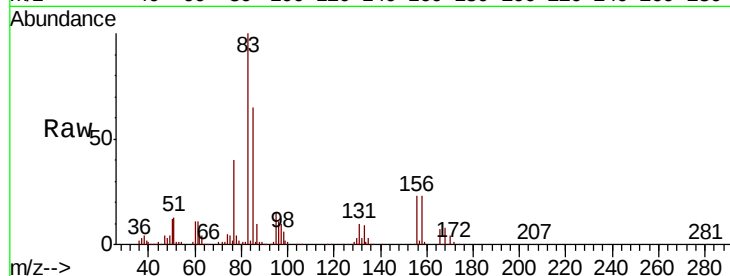
ClientSampleId :

VN1211WBS01

Tot Ion:	83	Resp:	214564
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.0	15.0
85	65.1	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 18.554 ug/l m

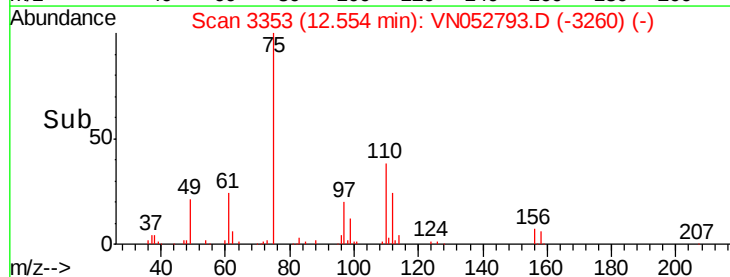
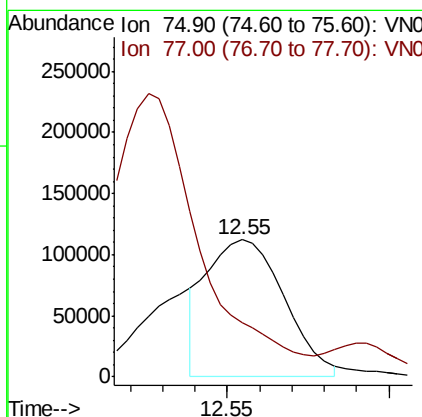
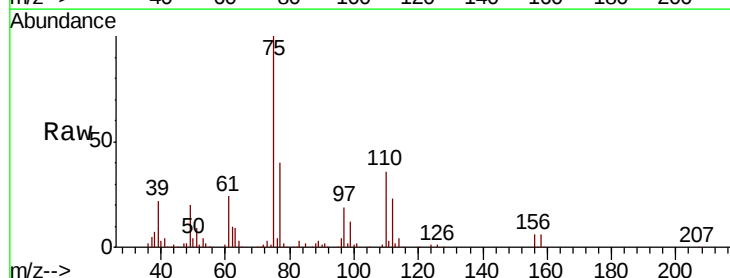
RT: 12.55 min Scan# 3353

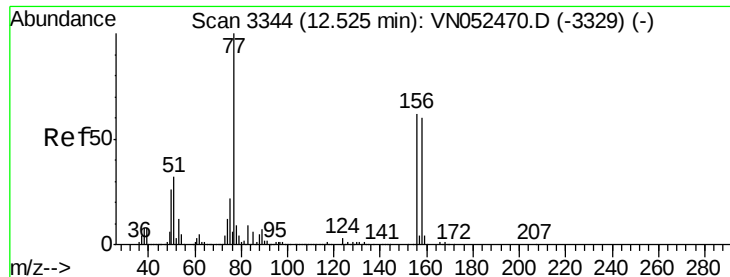
Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Tgt Ion:	75	Resp:	188167
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.807 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

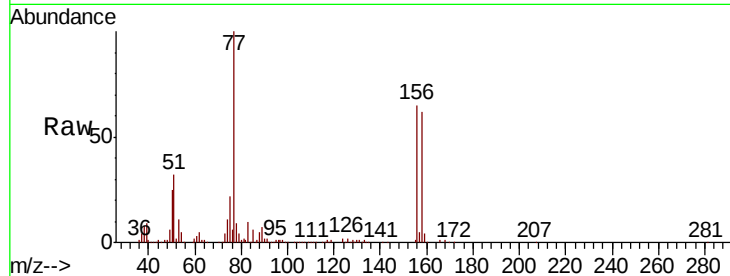
ClientSampleId :

VN1211WBS01

Tot Ion:	156	Resp:	252609
Ion Ratio	Lower	Upper	
156	100		
77	181.5	93.5	280.4
158	97.9	48.3	144.9

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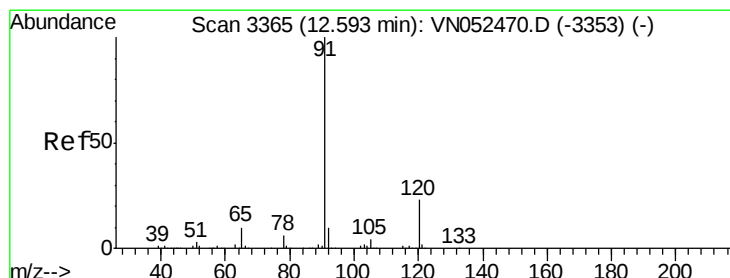
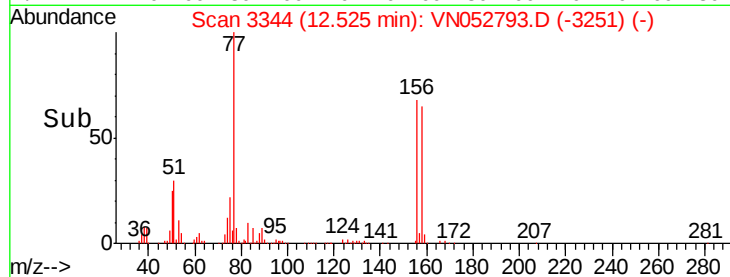
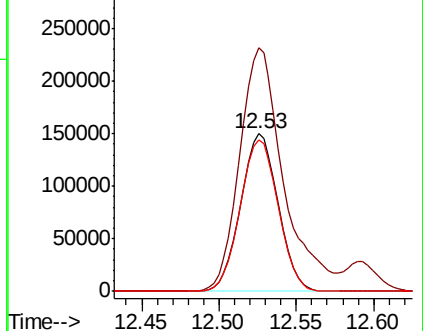
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.696 ug/l

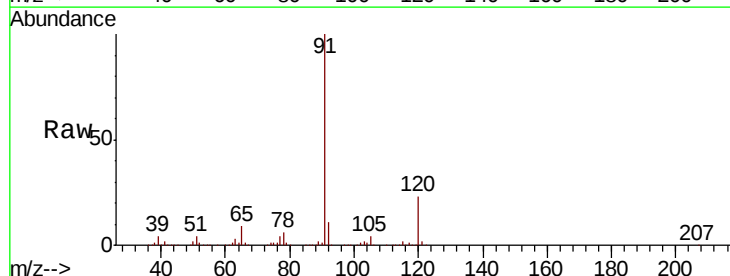
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052793.D

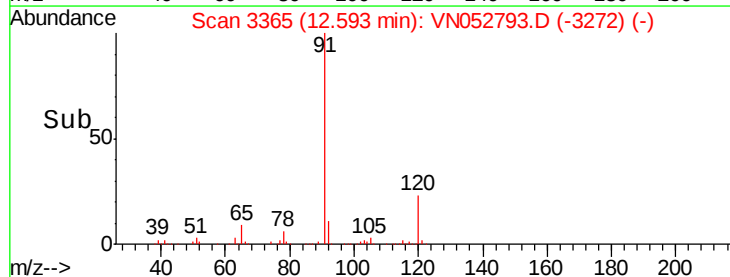
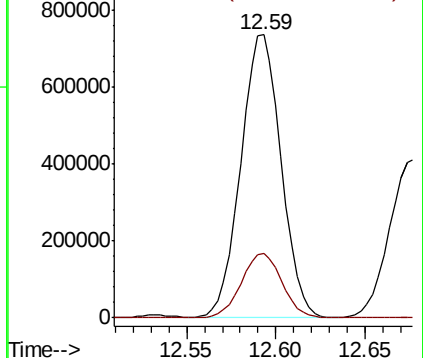
Acq: 11 Dec 2018 10:50

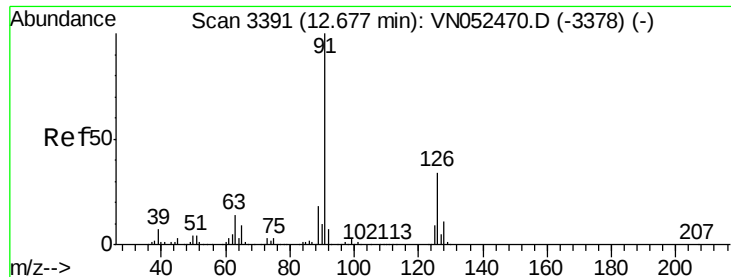
Tgt Ion:	91	Resp:	1154534
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.3	33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.257 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

Tot Ion: 91 Resp: 672205

Ion Ratio Lower Upper

91 100

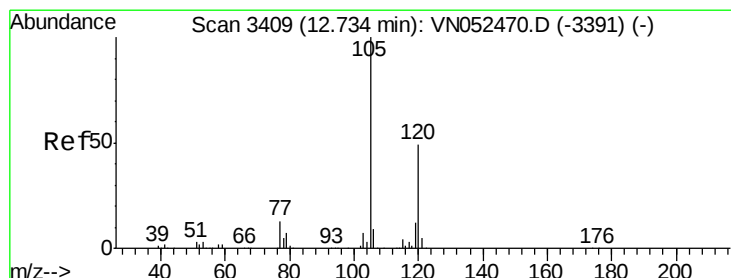
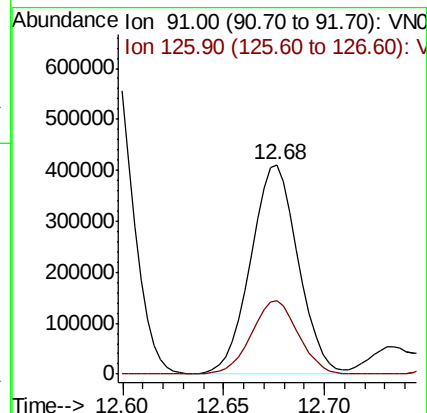
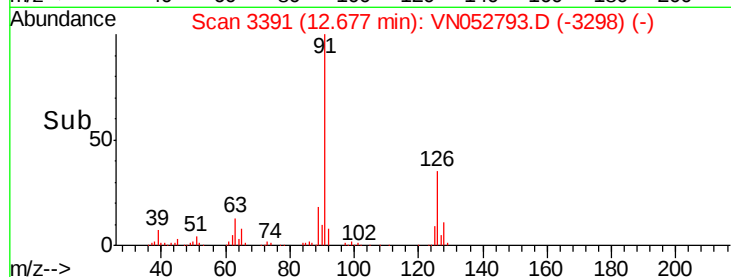
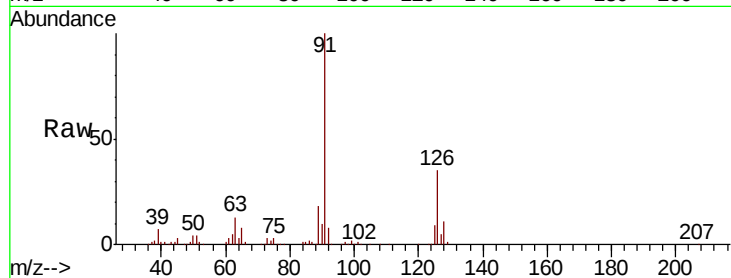
126 35.0 17.2 51.6

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#80

1,3,5-Trimethylbenzene

Concen: 19.938 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052793.D

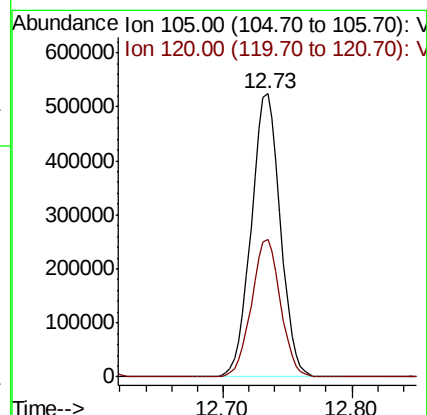
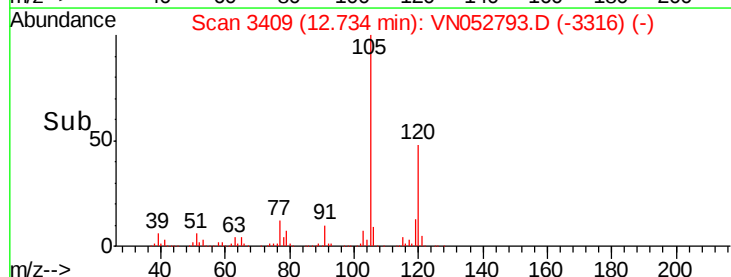
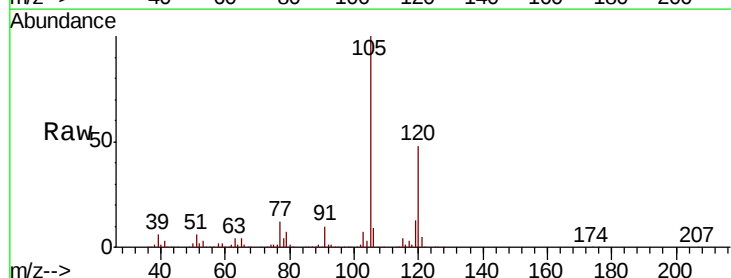
Acq: 11 Dec 2018 10:50

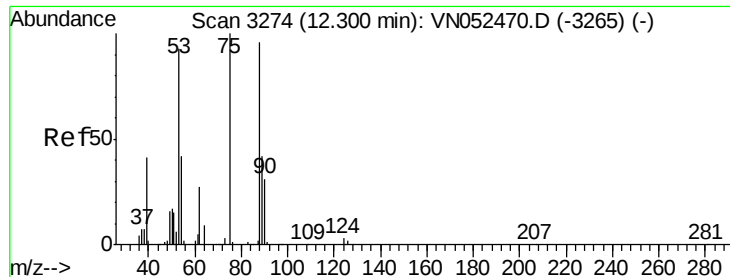
Tgt Ion: 105 Resp: 820472

Ion Ratio Lower Upper

105 100

120 48.5 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.129 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

Tot Ion: 75 Resp: 58092

Ion Ratio Lower Upper

75 100

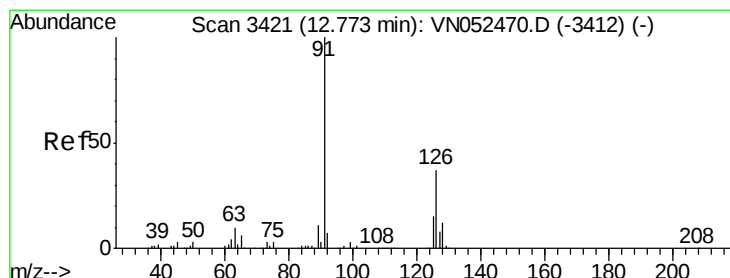
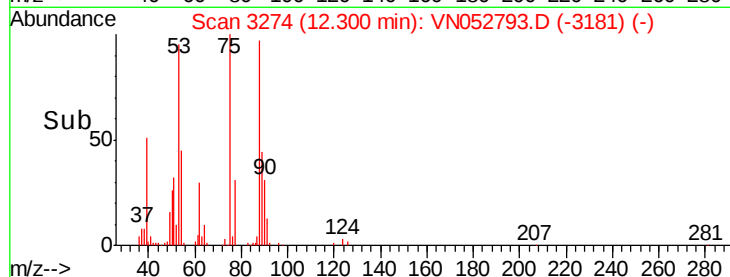
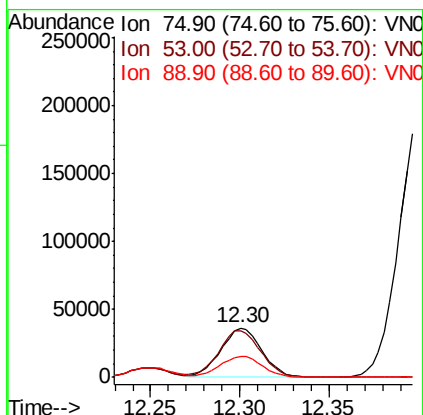
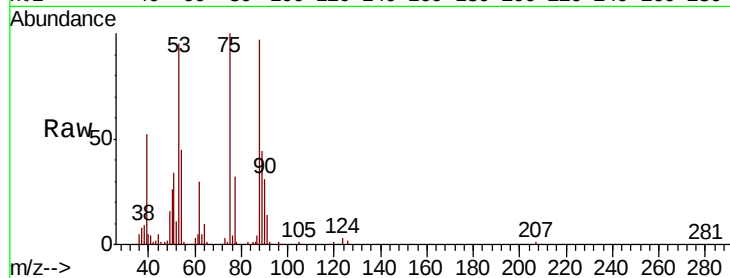
53 96.0 77.4 116.0

89 44.5 35.4 53.2

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#82

4-Chlorotoluene

Concen: 19.474 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052793.D

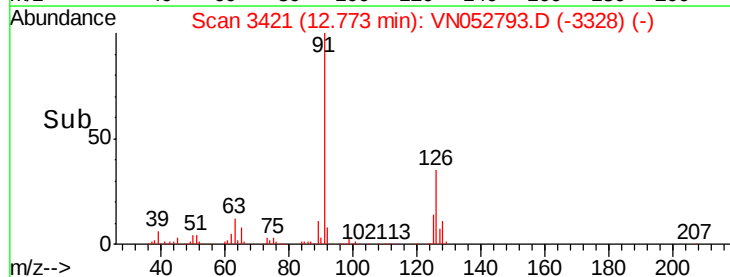
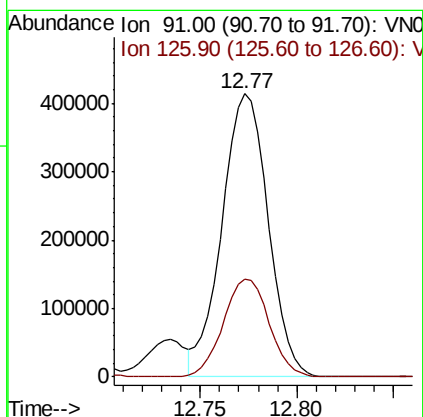
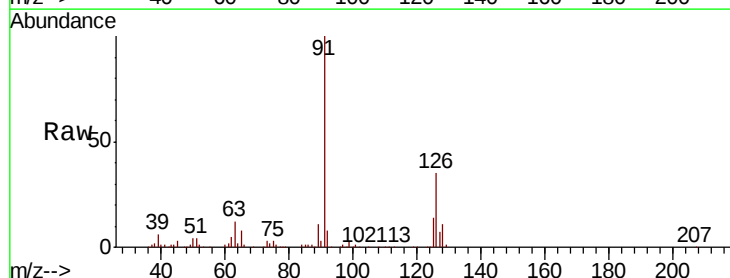
Acq: 11 Dec 2018 10:50

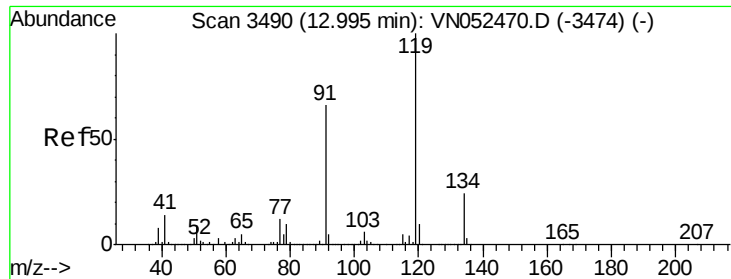
Tgt Ion: 91 Resp: 685106

Ion Ratio Lower Upper

91 100

126 34.6 16.9 50.6





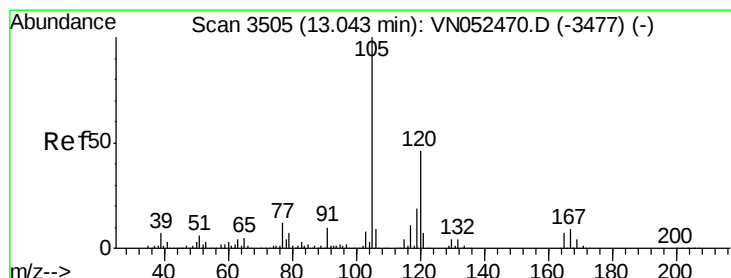
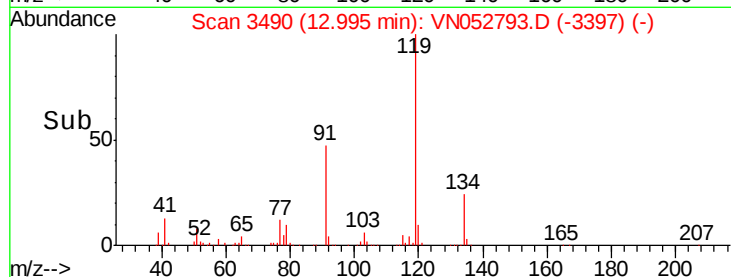
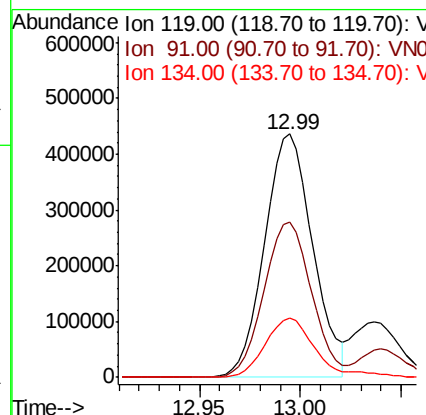
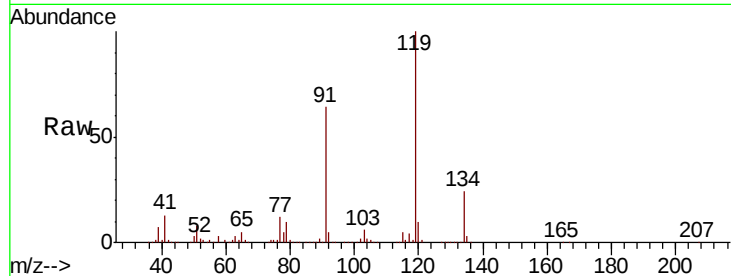
#83
 tert-Butylbenzene
 Concen: 19.801 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	726405		
91	63.2		32.3	96.9
134	25.6		13.0	38.9

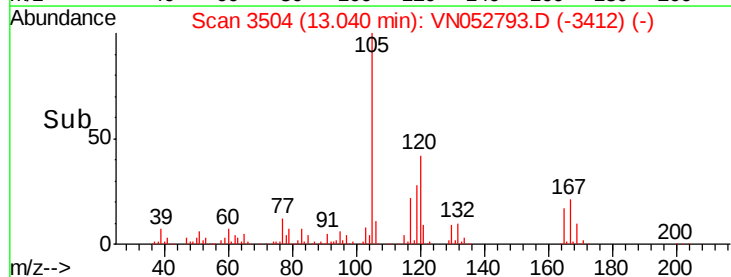
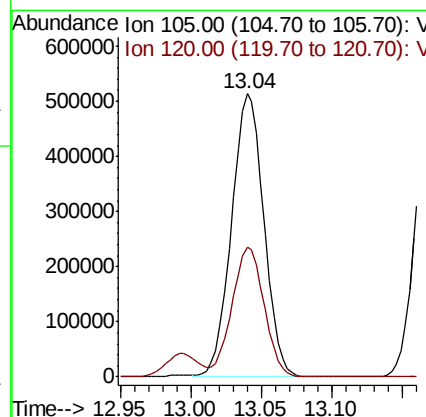
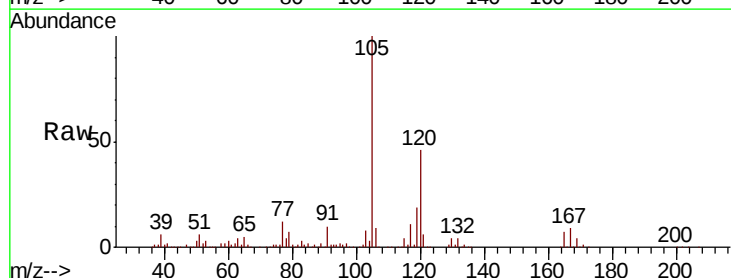
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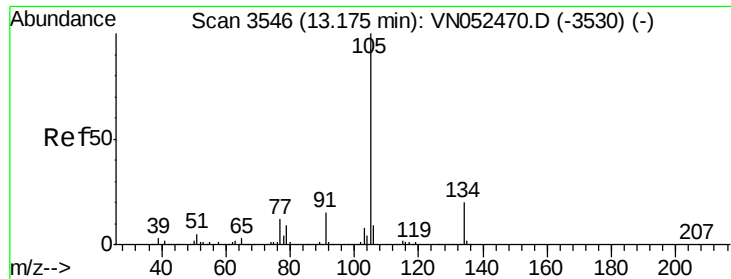
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.864 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	819202		
120	46.1		22.8	68.4





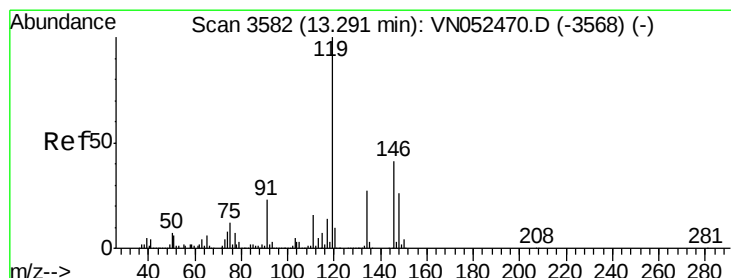
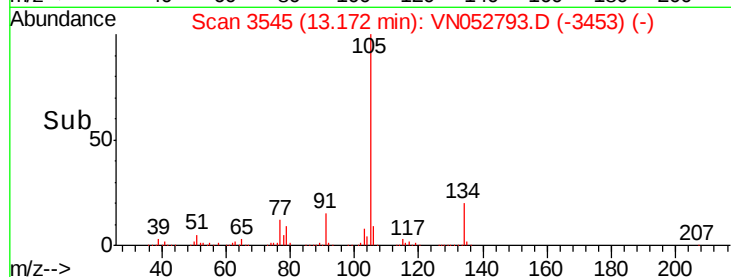
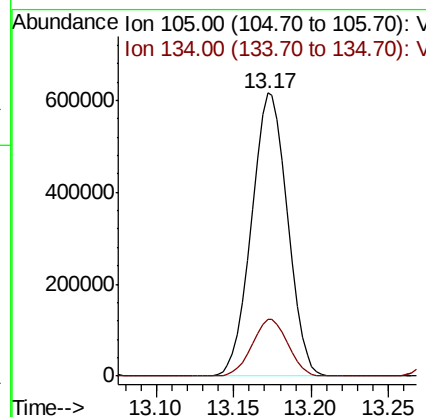
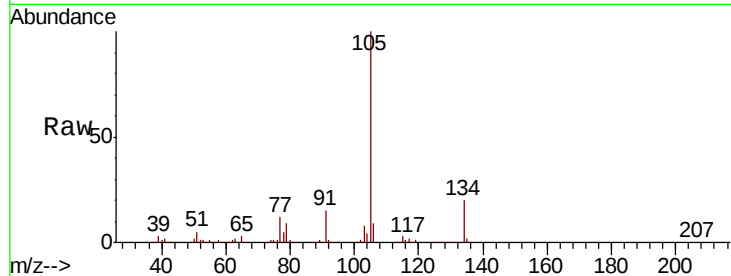
#85
 sec-Butylbenzene
 Concen: 19.945 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	996587		
134	20.0	9.9	29.7	

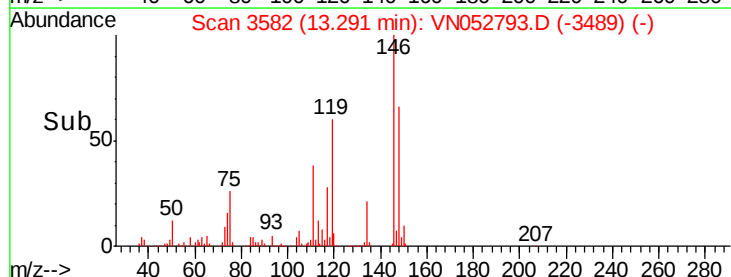
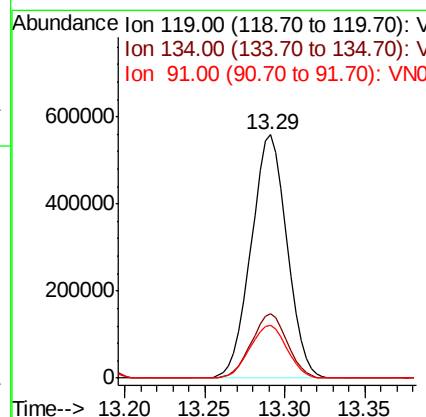
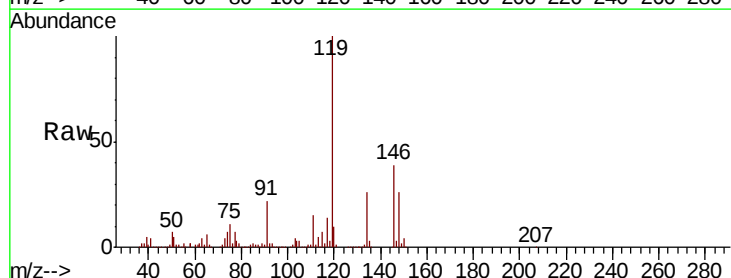
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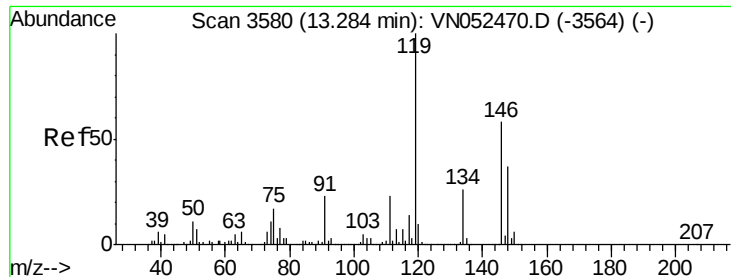
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 12/12/2018 11:33:09 AM



#86
 p-Isopropyltoluene
 Concen: 20.158 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	857921		
134	26.6	13.4	40.2	
91	22.3	11.4	34.2	





#87

1,3-Dichlorobenzene

Concen: 20.072 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

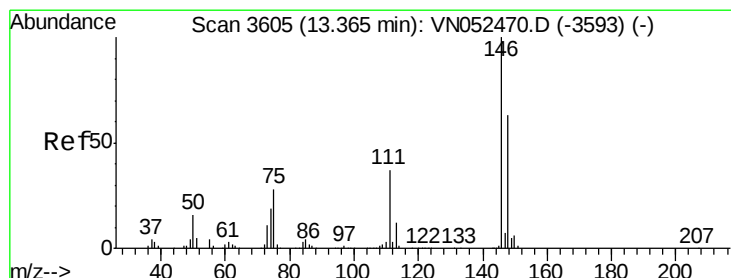
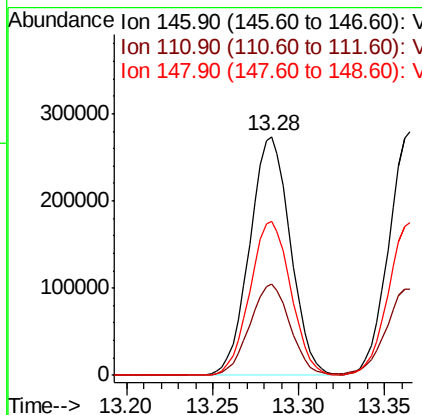
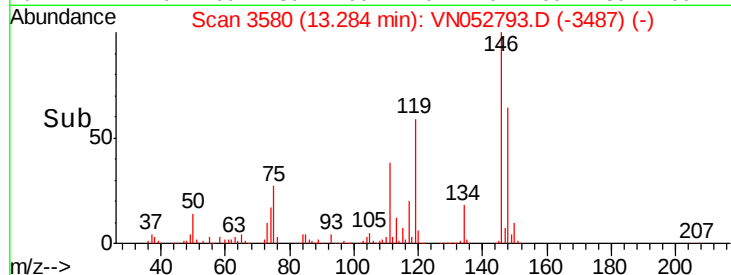
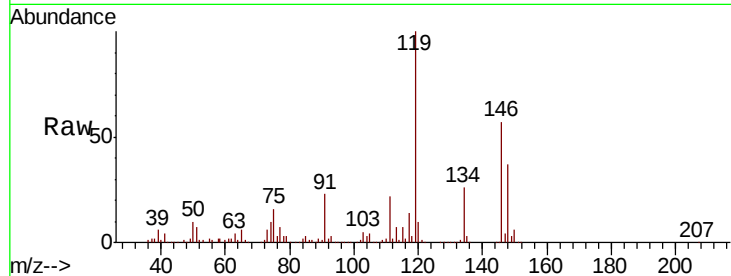
ClientSampleId :

VN1211WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.4	58.4
148	64.8	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 20.351 ug/l

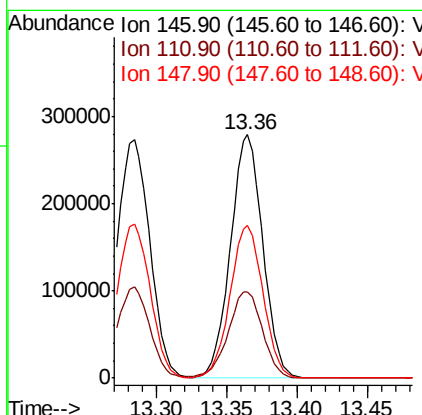
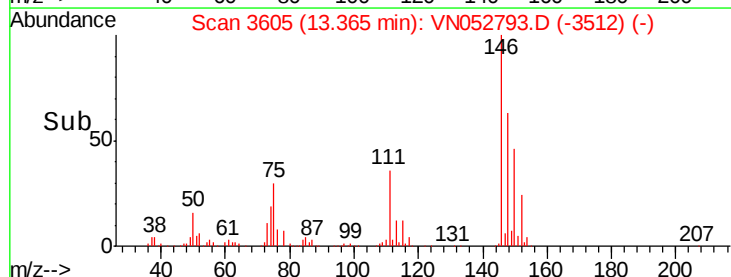
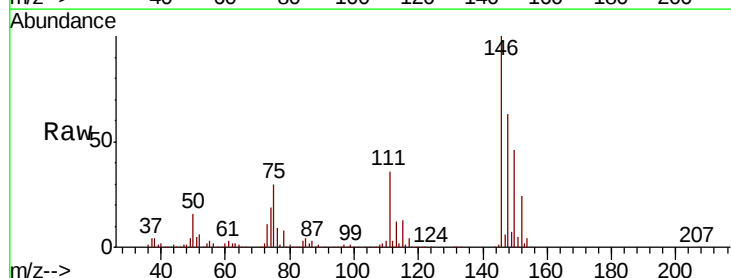
RT: 13.36 min Scan# 3605

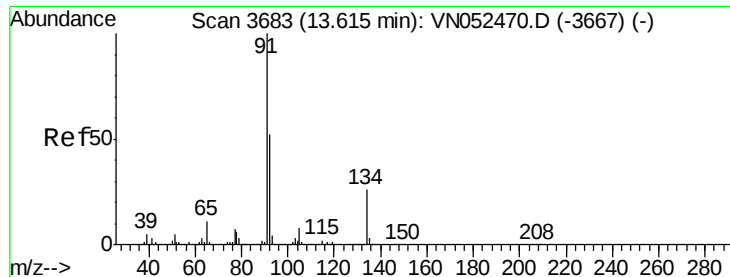
Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	56.0
148	63.8	31.9	95.9





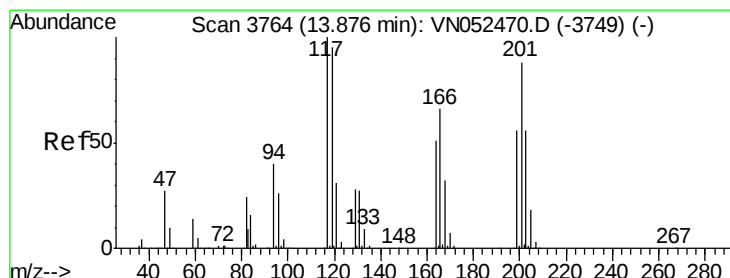
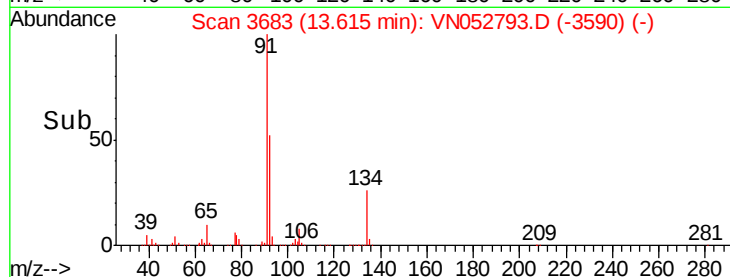
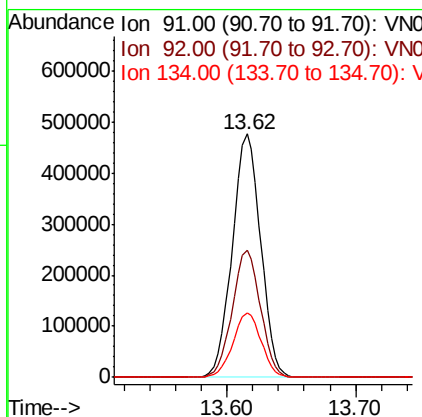
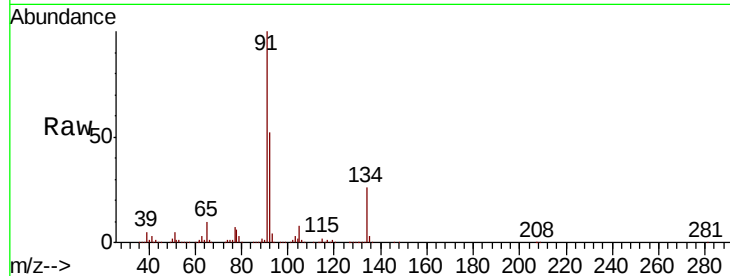
#89
n-Butylbenzene
Concen: 20.534 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.1	78.3
134	26.4	13.0	38.9

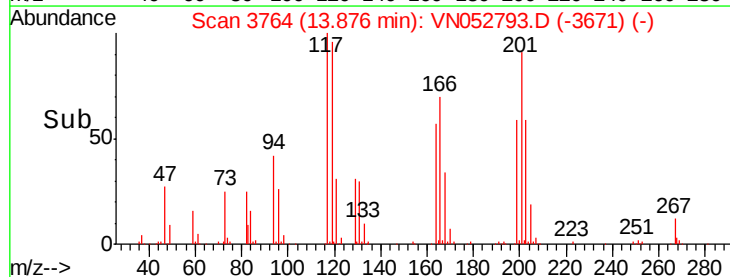
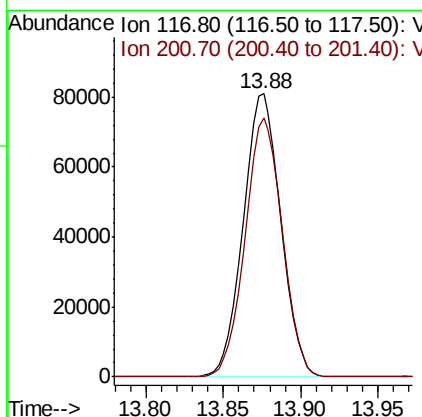
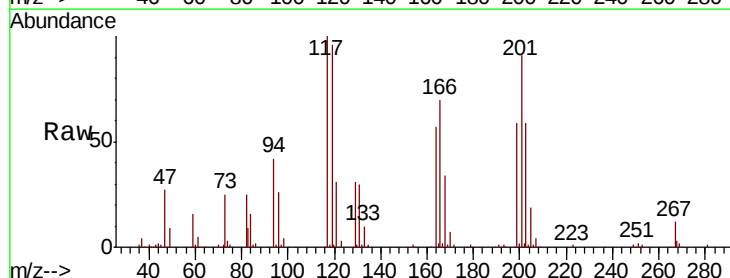
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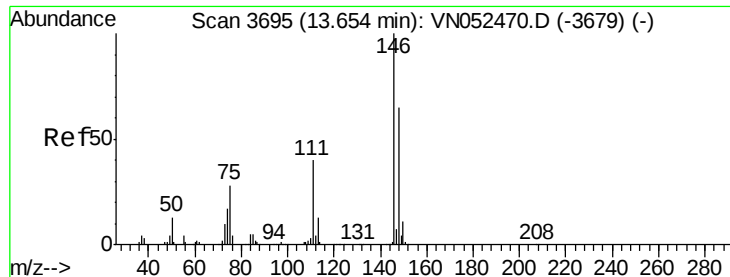
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#90
Hexachloroethane
Concen: 18.996 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.7	43.6	130.9





#91

1,2-Dichlorobenzene

Concen: 20.308 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

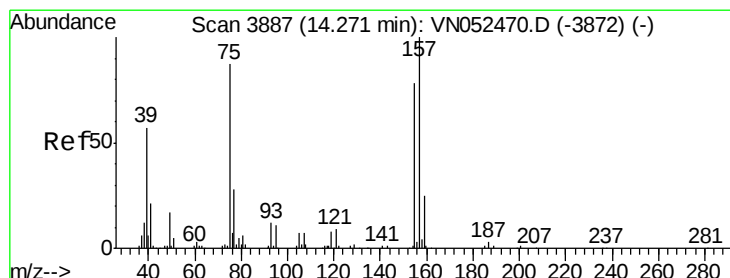
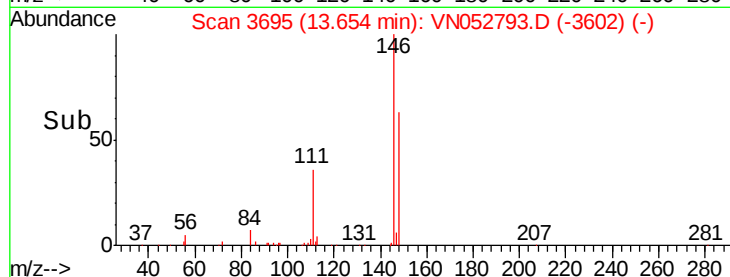
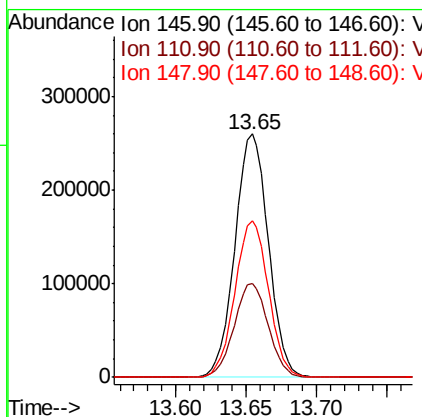
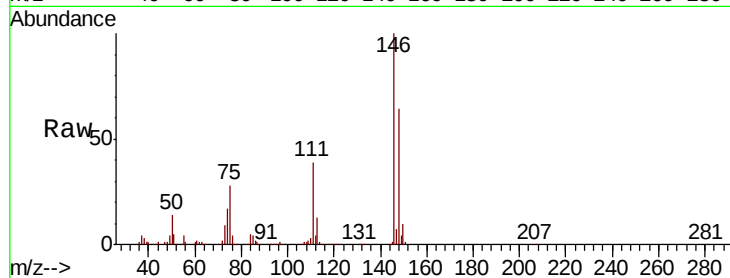
ClientSampleId :

VN1211WBS01

Tot Ion:	146	Resp:	432829
Ion Ratio		Lower	Upper
146	100		
111	39.2	20.0	60.0
148	64.4	32.0	96.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.883 ug/l

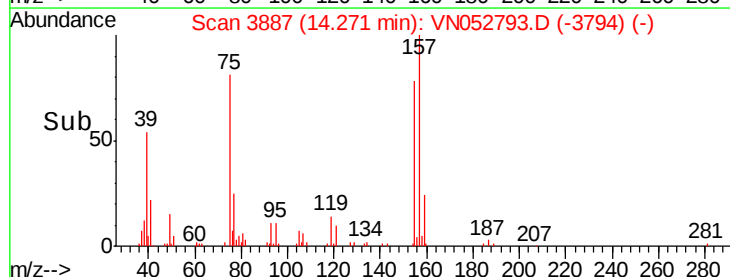
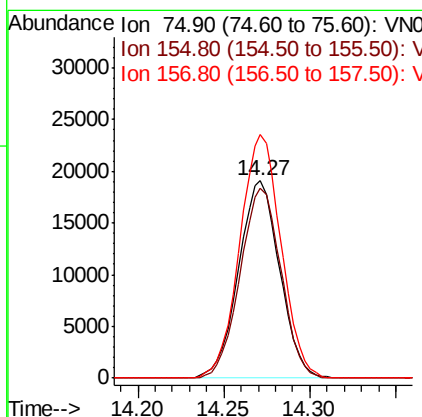
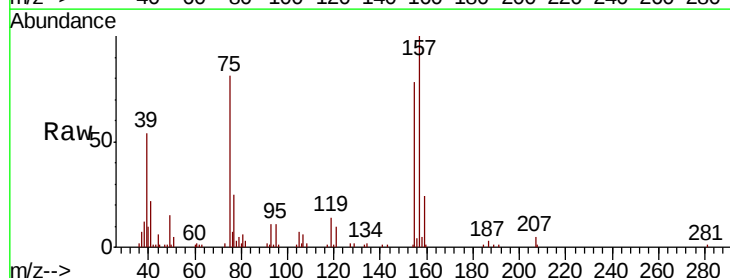
RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Tgt Ion:	75	Resp:	31699
Ion Ratio		Lower	Upper
75	100		
155	95.5	45.3	135.9
157	123.6	58.1	174.2





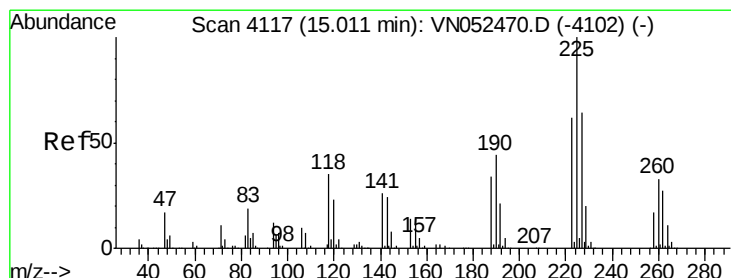
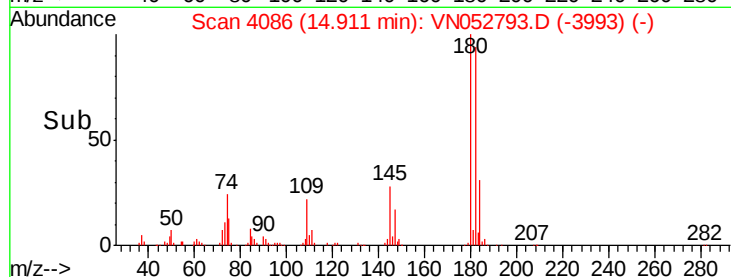
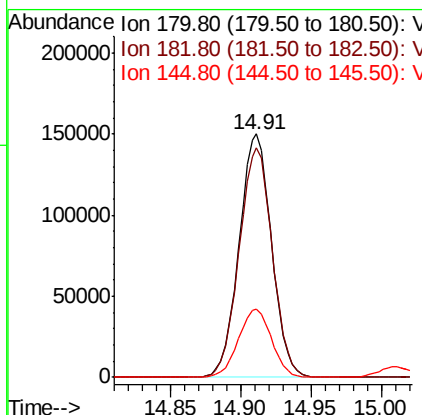
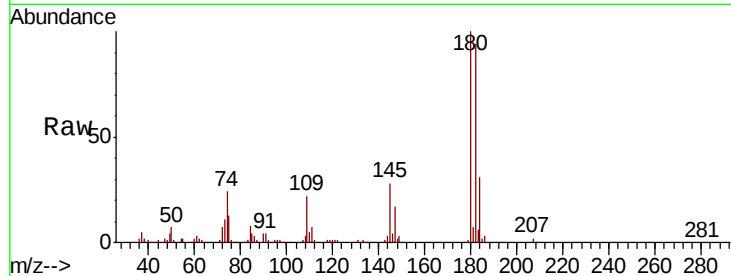
#93
1,2,4-Trichlorobenzene
Concen: 22.418 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	242422		
182	95.9	47.8	143.4	
145	28.6	14.1	42.3	

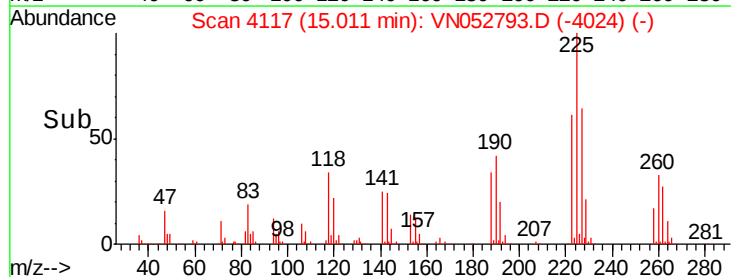
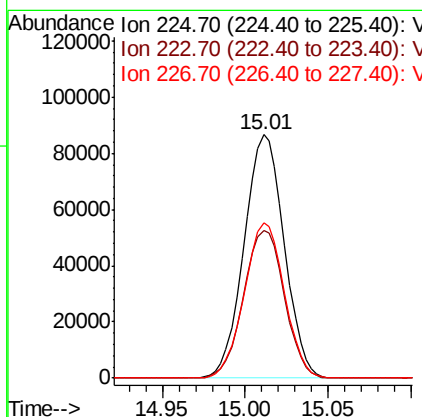
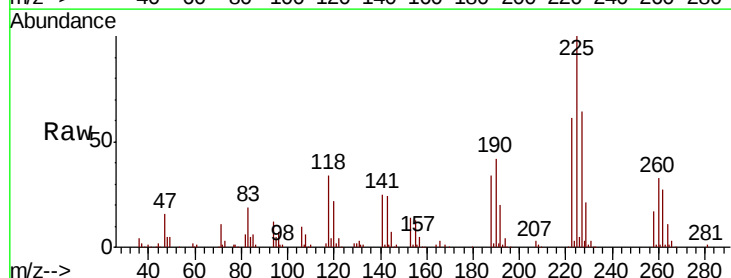
Manual Integrations
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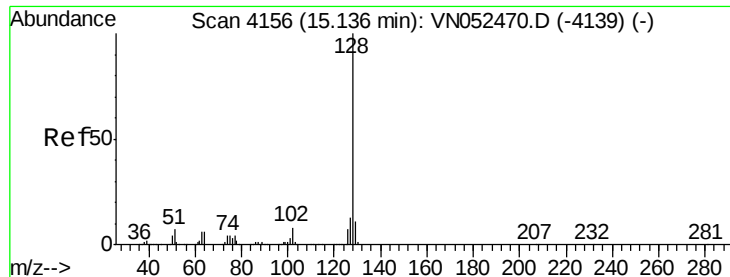
MMDadoda
12/12/2018 11:33:09 AM



#94
Hexachlorobutadiene
Concen: 21.201 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	145368		
223	61.9	31.4	94.2	
227	63.7	32.5	97.4	





#95

Naphthalene

Concen: 21.586 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

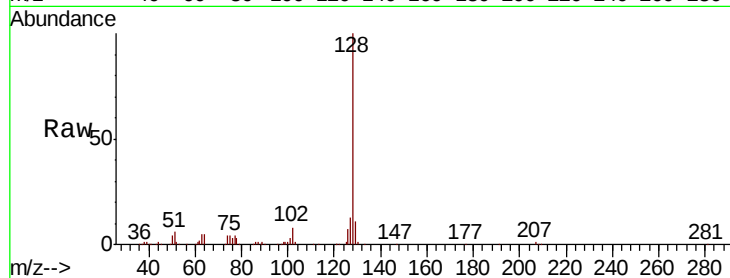
ClientSampleId :

VN1211WBS01

Tot Ion:	128	Resp:	482692
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/12/2018 11:33:09 AM

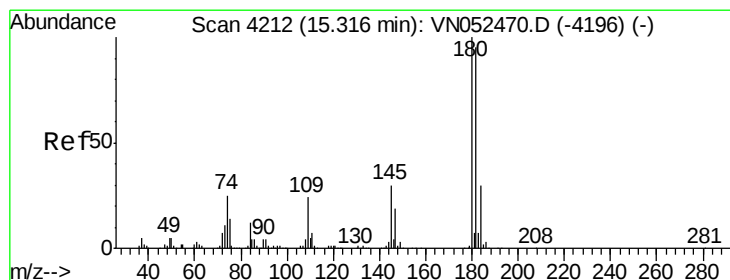
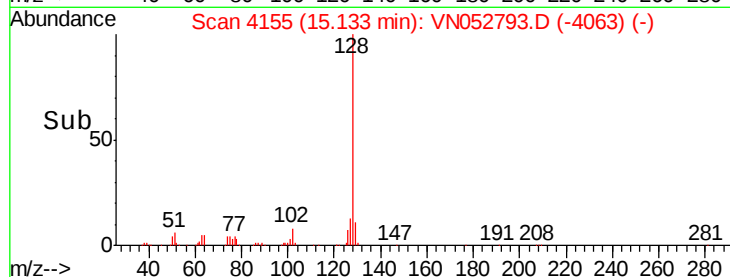
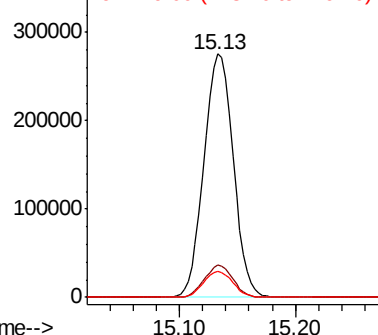


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.042 ug/l

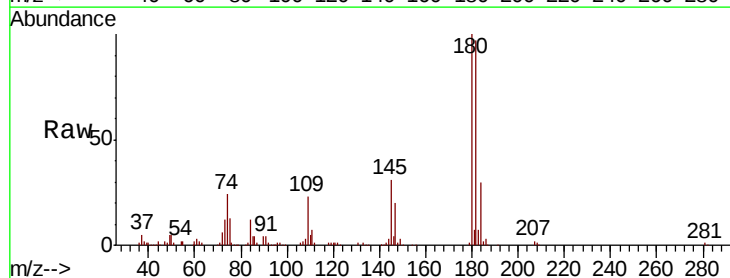
RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Tgt Ion:	180	Resp:	219309
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.8	143.3
145	30.8	15.2	45.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

