

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122818\
 Data File : VN053216.D
 Acq On : 28 Dec 2018 10:41
 Operator : MD\SY
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN122818

Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 9:48:44 AM

Quant Time: Dec 28 12:23:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	159301	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	933825	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	820547	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	305691	30.21	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.70%
60) 4-Bromofluorobenzene	12.40	95	379537	30.23	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.77%
63) Toluene-d8	10.09	98	1118097	30.25	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	218512	20.587	ug/l 98
3) Chloromethane	2.06	50	254250	20.410	ug/l 99
4) Vinyl Chloride	2.19	62	245198	20.002	ug/l 98
5) Bromomethane	2.58	94	165971	20.999	ug/l 100
6) Chloroethane	2.71	64	140711	19.927	ug/l 99
7) Trichlorofluoromethane	3.03	101	309488	20.444	ug/l 98
8) Diethyl Ether	3.41	74	116539	20.720	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	3.77	101	196020	20.609	ug/l 97
10) 1,1-Dichloroethene	3.74	96	186071	20.047	ug/l 96
11) Methyl Iodide	3.96	142	252276	18.559	ug/l 100
12) Methyl Acetate	4.33	43	144504	19.974	ug/l 99
13) Acrolein	3.61	56	90459	104.727	ug/l 97
14) Acrylonitrile	4.99	53	330879	102.232	ug/l 98
15) Acetone	3.82	58	70081	101.884	ug/l 94
16) Carbon Disulfide	4.06	76	604489	21.170	ug/l 100
17) Allyl chloride	4.33	41	286399	19.613	ug/l 98
18) Methylene Chloride	4.56	84	213510	20.099	ug/l 94
19) trans-1,2-Dichloroethene	5.05	96	201797	20.571	ug/l 94
20) Diisopropyl ether	5.95	45	631518	20.195	ug/l 97
21) 1,1-Dichloroethane	5.85	63	367376	20.177	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	225100	20.371	ug/l 98
23) tert-Butyl Alcohol	4.78	59	58861	107.882	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	498721	20.605	ug/l 95
25) Chloroform	7.37	83	353372	20.191	ug/l 98
26) Cyclohexane	7.66	56	345934	20.370	ug/l # 99
29) 1,1-Dichloropropene	7.80	75	283769	20.061	ug/l 99
30) 2-Butanone	6.83	43	354869	100.558	ug/l 97
31) 2,2-Dichloropropane	6.83	77	274579	20.051	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	295463	19.936	ug/l 97
33) Carbon Tetrachloride	7.78	117	257987	19.887	ug/l 99
34) Benzene	8.04	78	844915	19.875	ug/l 98
35) Methacrylonitrile	7.17	41	93671	20.570	ug/l 98
36) 1,2-Dichloroethane	8.13	62	249511	20.218	ug/l 98
37) Trichloroethene	8.84	130	231976	20.144	ug/l 96
38) Methylcyclohexane	9.08	83	329795	19.934	ug/l 97
39) 1,2-Dichloropropane	9.12	63	221329	19.938	ug/l 98
40) Dibromomethane	9.21	93	126595	20.166	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	266376	19.758	ug/l	98
42) Vinyl Acetate	5.90	43	2023106	105.080	ug/l	97
43) Ethyl Acetate	6.93	43	165494	20.999	ug/l #	70
44) Isopropyl Acetate	8.17	43	306294	20.864	ug/l #	81
45) 1,4-Dioxane	9.20	88	37545	418.220	ug/l	93
46) Methyl methacrylate	9.20	41	148565	20.032	ug/l	96
47) n-amyl Acetate	12.07	43	268226	20.805	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	273482	19.875	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	323766	19.982	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	179361	19.927	ug/l	99
51) Ethyl methacrylate	10.43	69	237012	20.204	ug/l	95
52) 1,3-Dichloropropane	10.71	76	312130	20.130	ug/l	100
53) Dibromochloromethane	10.90	129	199240	19.708	ug/l	98
54) 1,2-Dibromoethane	11.01	107	181627	20.002	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	671833	99.791	ug/l	98
56) Bromoform	12.13	173	134759	19.486	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	823672	105.343	ug/l	97
59) 2-Hexanone	10.75	43	565809	104.820	ug/l	97
61) Tetrachloroethene	10.63	164	238138	19.639	ug/l	97
62) Toluene	10.16	91	911642	20.258	ug/l	99
64) Chlorobenzene	11.44	112	570628	20.207	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	197772	19.965	ug/l	99
66) Ethyl Benzene	11.51	91	988847	20.263	ug/l	98
67) m/p-Xylenes	11.62	106	754663	40.888	ug/l	99
68) o-Xylene	11.95	106	366819	20.510	ug/l	98
69) Styrene	11.96	104	596254	20.424	ug/l	99
70) Isopropylbenzene	12.25	105	963068	20.466	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	214949	21.699	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	170269m	19.629	ug/l	
73) Bromobenzene	12.53	156	251974	20.831	ug/l	92
74) n-propylbenzene	12.59	91	1094186	20.541	ug/l	98
75) 2-Chlorotoluene	12.68	91	649623	20.592	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	771362	20.664	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	60246	19.766	ug/l	92
78) 4-Chlorotoluene	12.77	91	667034	20.771	ug/l	100
79) tert-butylbenzene	12.99	119	677120	20.799	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	776010	20.742	ug/l	98
81) sec-Butylbenzene	13.17	105	897089	20.810	ug/l	99
82) p-Isopropyltoluene	13.29	119	780872	20.962	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	433561	21.051	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	421473	20.994	ug/l	99
85) n-Butylbenzene	13.62	91	631726	20.854	ug/l	99
86) Hexachloroethane	13.88	117	118594	19.940	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	406652	21.249	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29944	21.137	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	216754	23.336	ug/l	99
90) Hexachlorobutadiene	15.01	225	133900	23.816	ug/l	99
91) Naphthalene	15.13	128	496686	25.203	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	206327	24.898	ug/l	98

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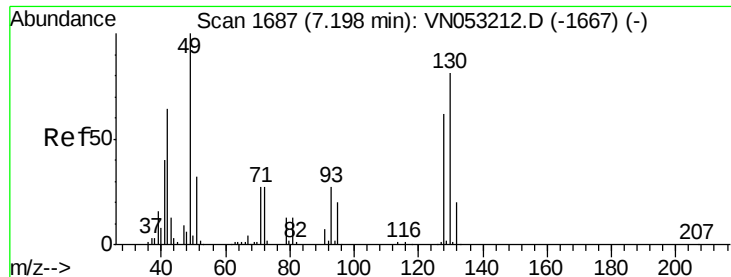
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Instrument :

MSVOA_N

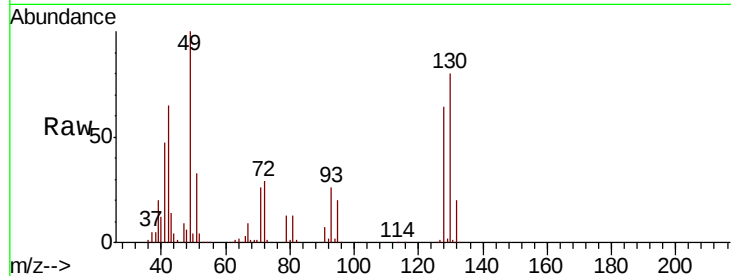
ClientSampleId :

ICVVN122818

Tot Ion:	128	Resp:	159301
Ion	Ratio	Lower	Upper
128	100		
49	159.1	0.0	431.8
130	128.0	0.0	317.0

Manual Integrations
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1/2/2019 9:48:44 AM

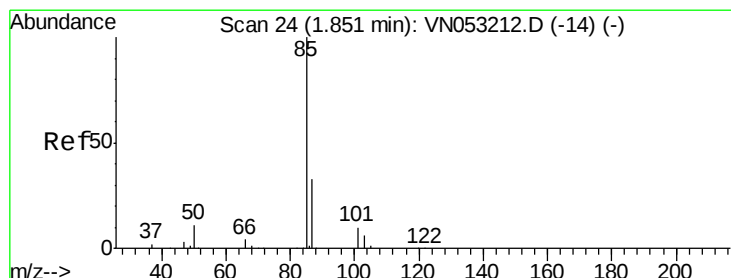
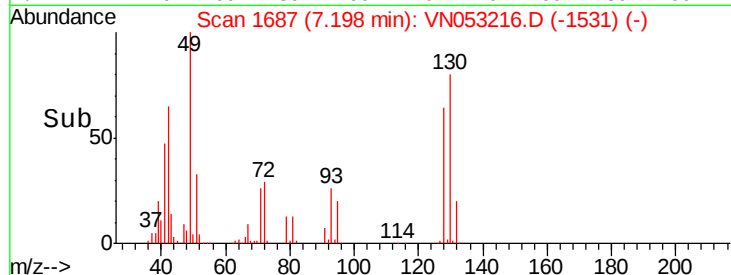
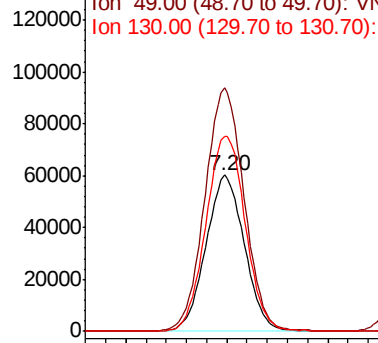


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.587 ug/l

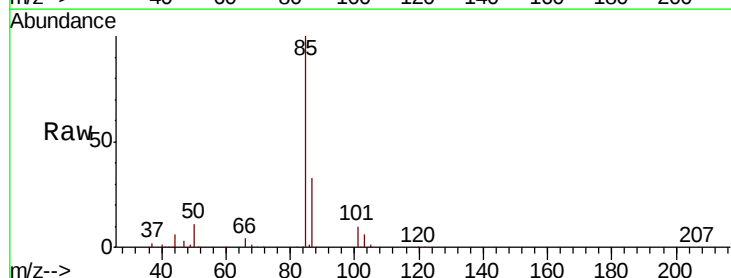
RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

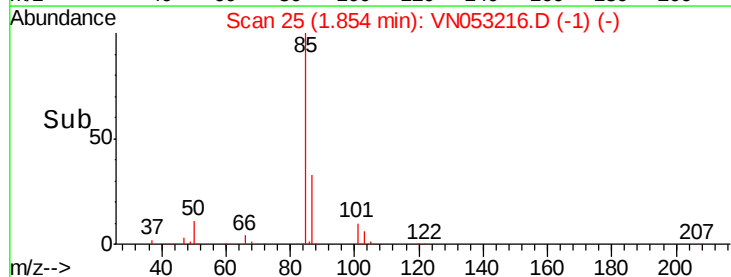
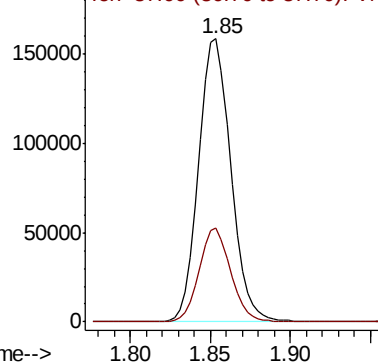
Tgt Ion:	85	Resp:	218512
Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.1	48.3

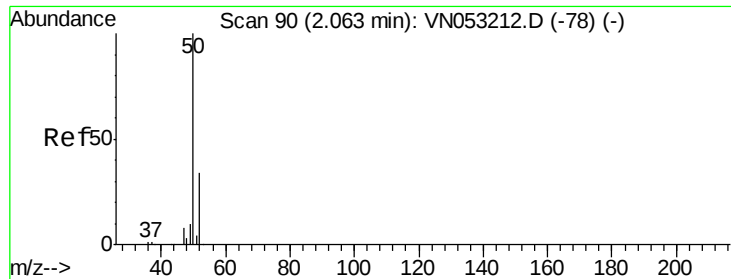


Abundance

Ion 85.00 (84.70 to 85.70): V

Ion 87.00 (86.70 to 87.70): V





#3

Chloromethane

Concen: 20.410 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN122818

Tot Ion: 50 Resp: 254250

Ion Ratio Lower Upper

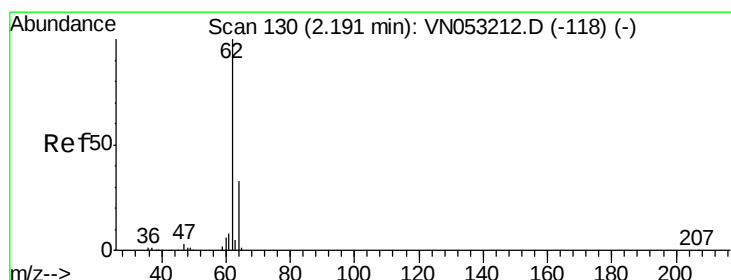
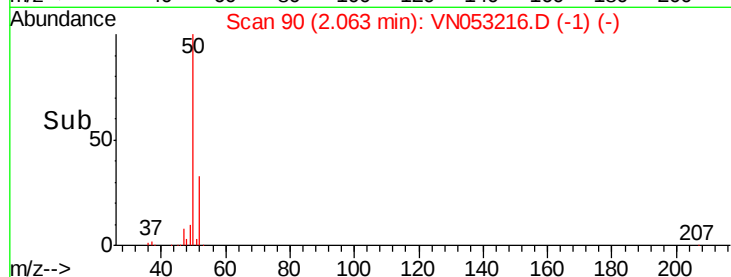
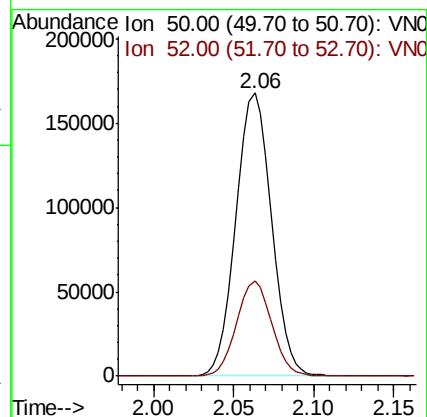
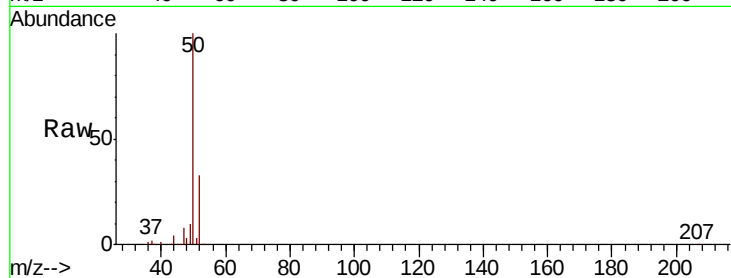
50 100

52 33.5 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.002 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053216.D

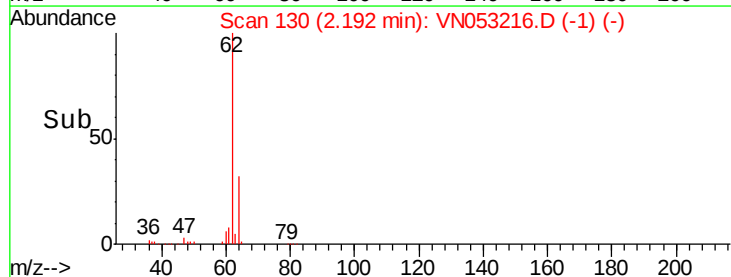
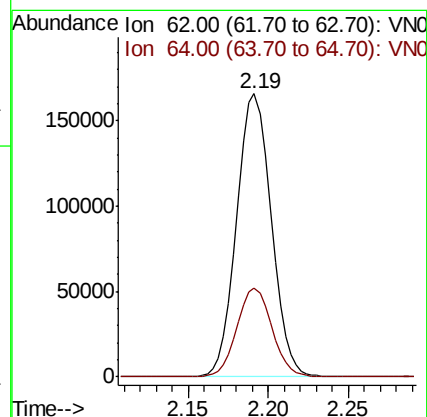
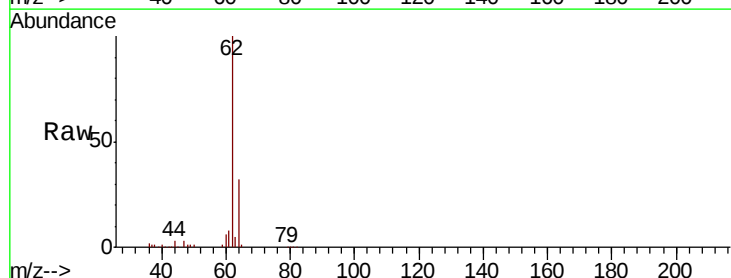
Acq: 28 Dec 2018 10:41

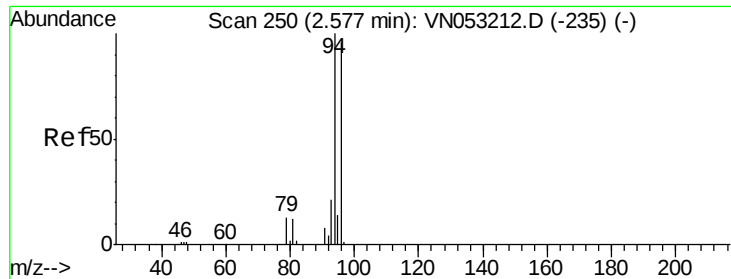
Tgt Ion: 62 Resp: 245198

Ion Ratio Lower Upper

62 100

64 31.5 24.2 36.4





#5

Bromomethane

Concen: 20.999 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN122818

Tot Ion: 94 Resp: 165971

Ion Ratio Lower Upper

94 100

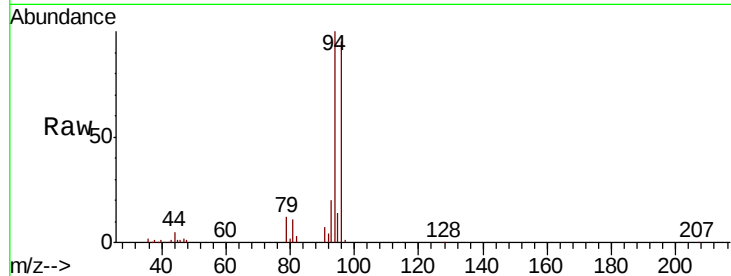
96 94.8 76.2 114.2

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.58

100000

80000

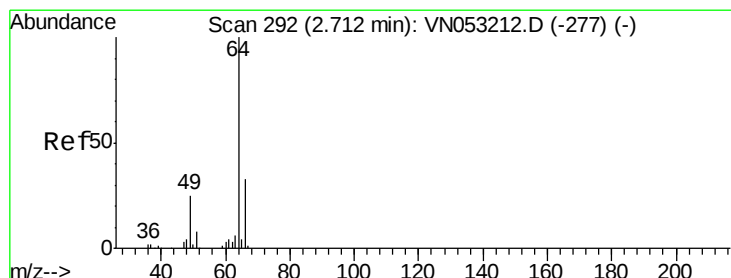
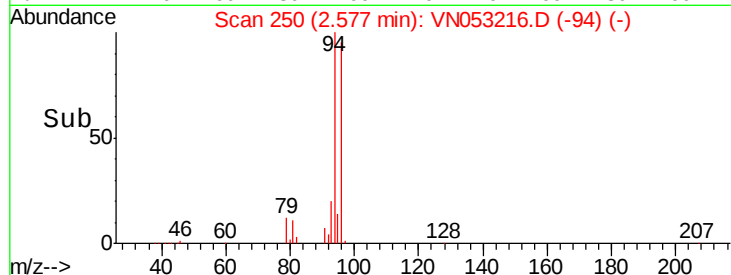
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 19.927 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053216.D

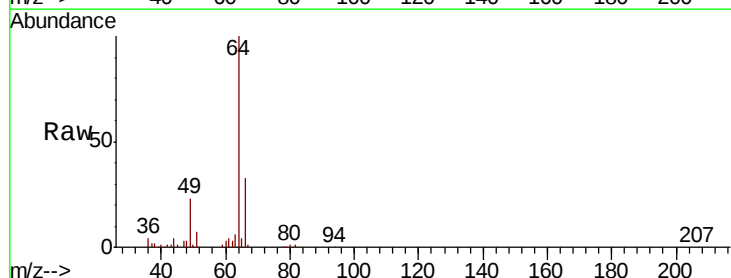
Acq: 28 Dec 2018 10:41

Tgt Ion: 64 Resp: 140711

Ion Ratio Lower Upper

64 100

66 32.7 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.71

80000

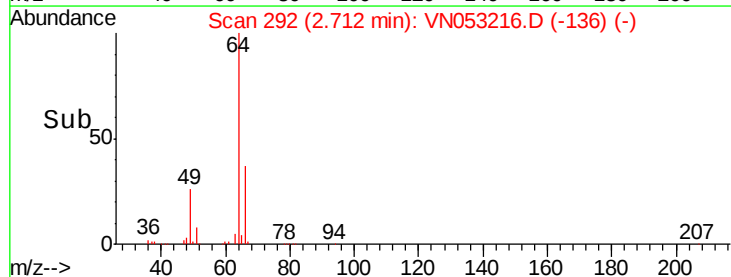
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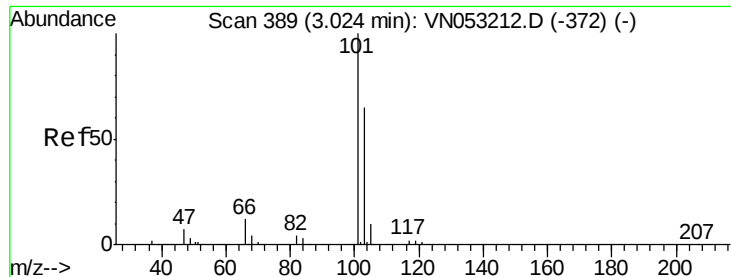
40000

20000

0

Time-->





#7

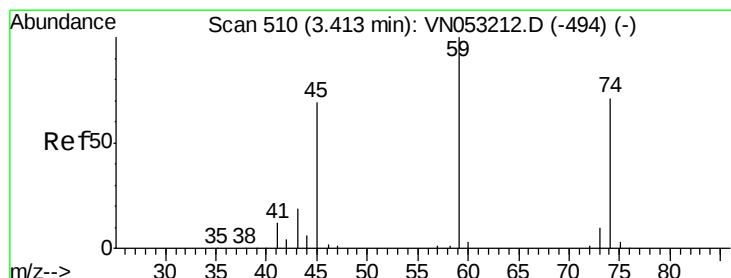
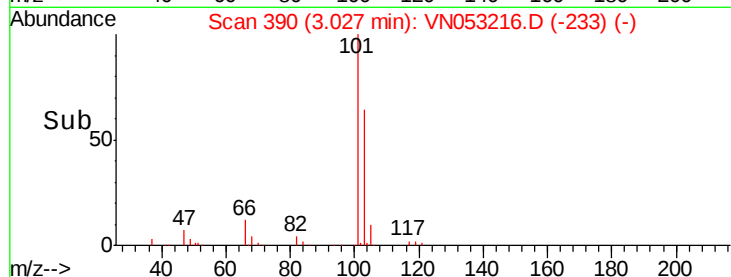
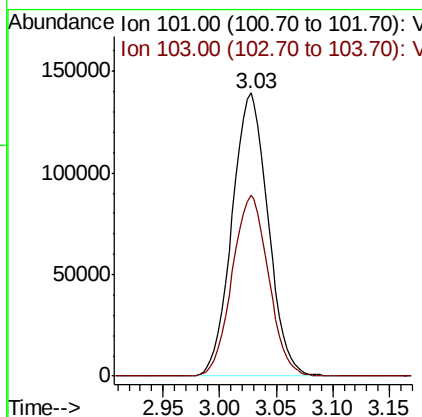
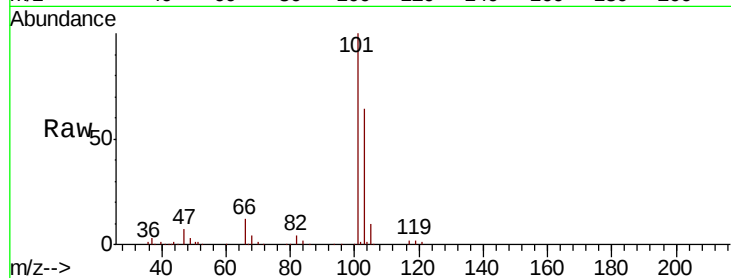
Trichlorofluoromethane
 Concen: 20.444 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053216.D
 Acq: 28 Dec 2018 10:41

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		309488		
103	63.8	52.1	78.1		

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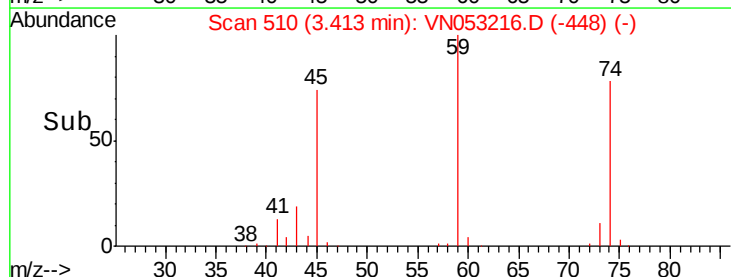
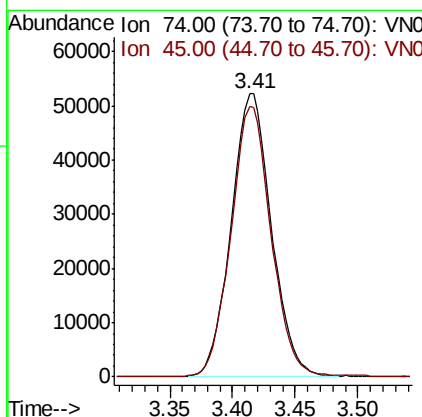
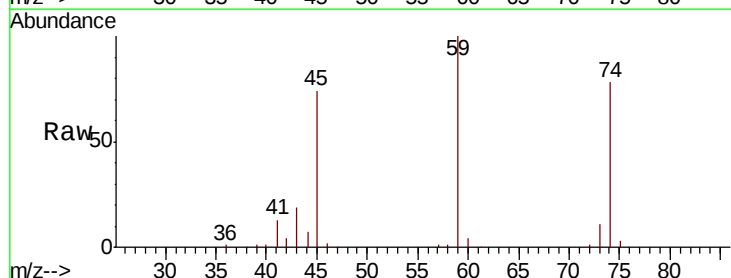
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 1/2/2019 9:48:44 AM

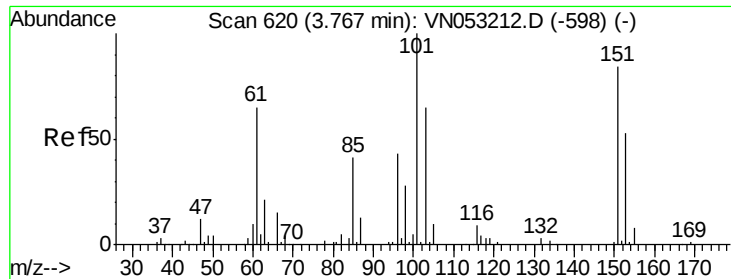


#8

Diethyl Ether
 Concen: 20.720 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053216.D
 Acq: 28 Dec 2018 10:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		116539		
45	95.1	20.6	185.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.609 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Instrument :

MSVOA_N

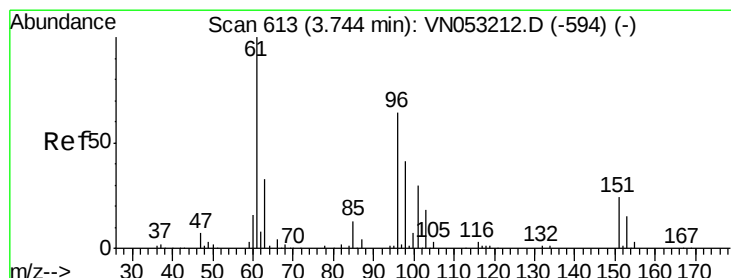
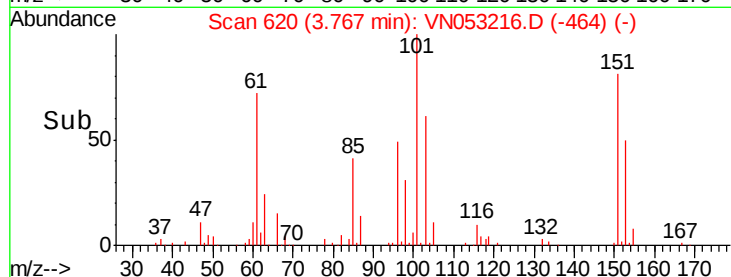
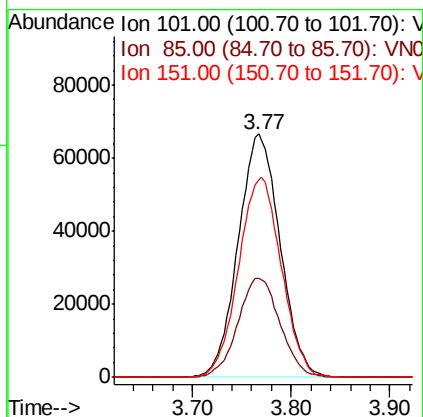
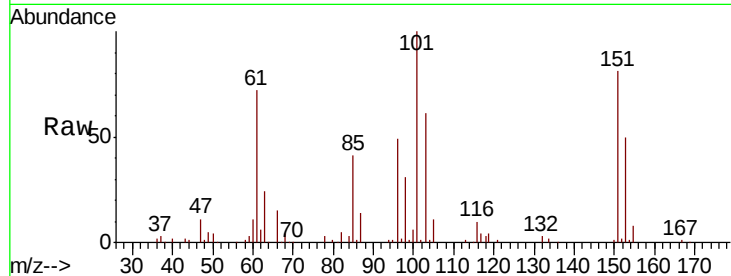
ClientSampleId :

ICVVN122818

Tot Ion:	101	Resp:	196020
Ion Ratio	Lower	Upper	
101	100		
85	41.0	0.0	82.6
151	83.6	0.0	158.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 20.047 ug/l

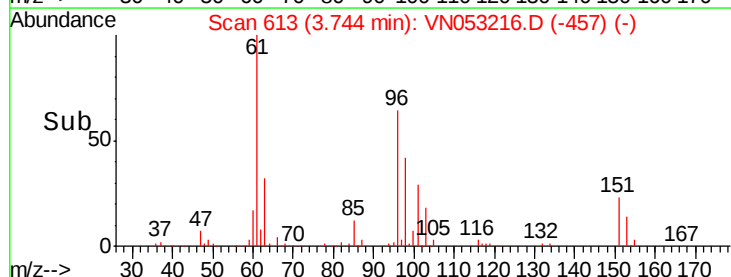
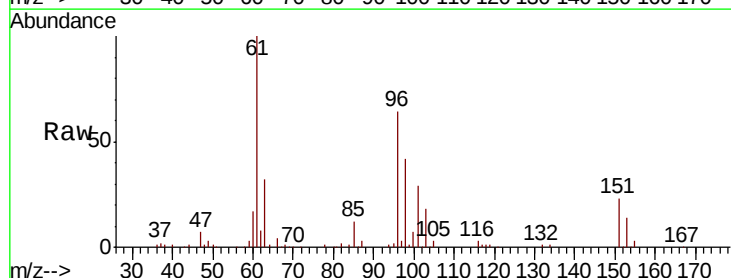
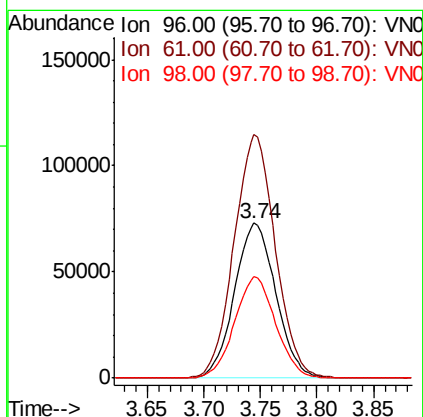
RT: 3.74 min Scan# 613

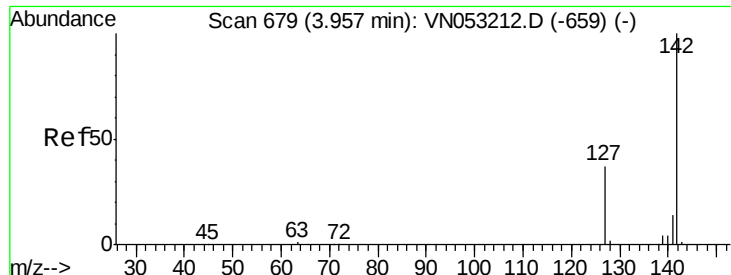
Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Tgt Ion:	96	Resp:	186071
Ion Ratio	Lower	Upper	
96	100		
61	156.9	129.4	194.2
98	65.5	50.4	75.6





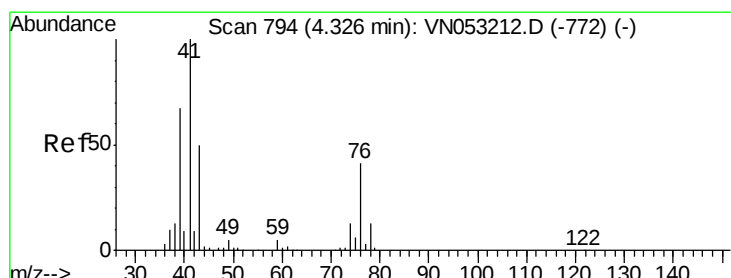
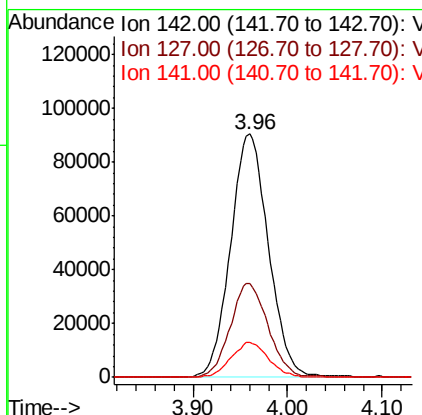
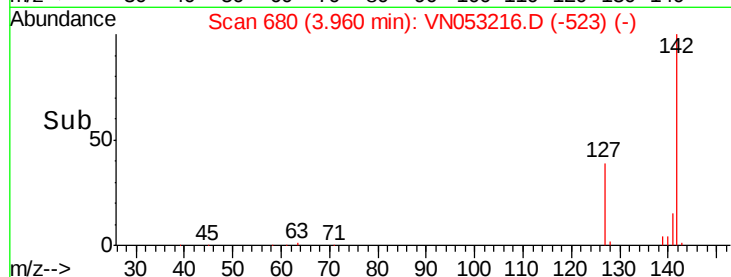
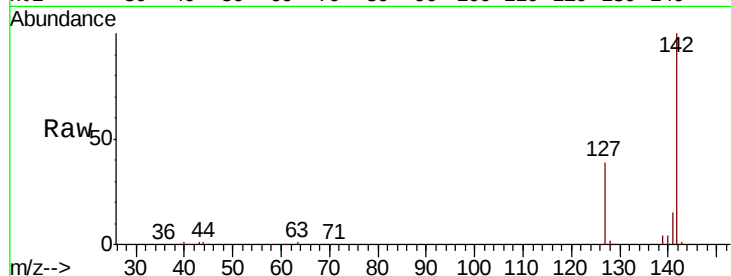
#11
Methvl Iodide
Concen: 18.559 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122818

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.6	19.4	58.1
141	14.6	7.2	21.6

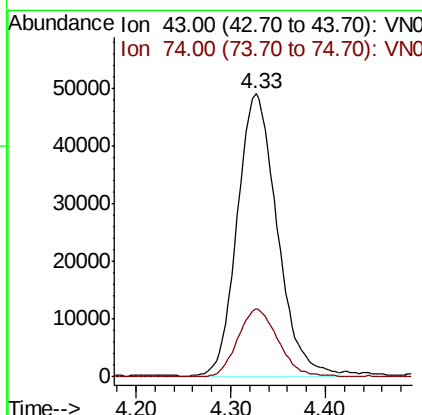
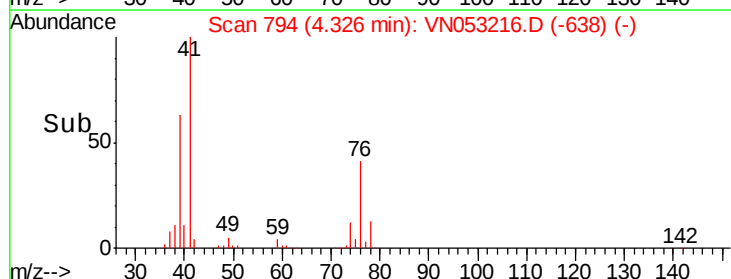
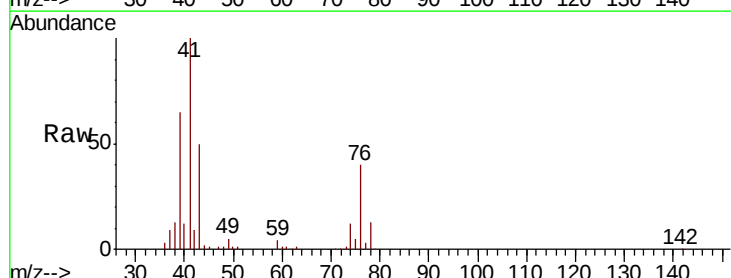
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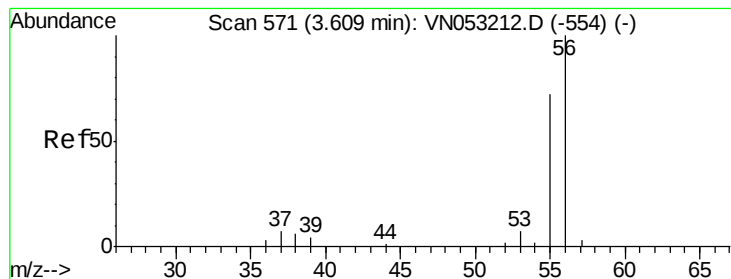
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#12
Methyl Acetate
Concen: 19.974 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	18.9	28.3





#13

Acrolein

Concen: 104.727 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN122818

Tot Ion: 56 Resp: 90459

Ion Ratio Lower Upper

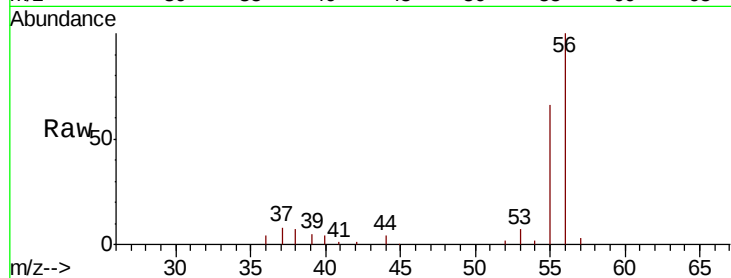
56 100

55 68.5 56.7 85.1

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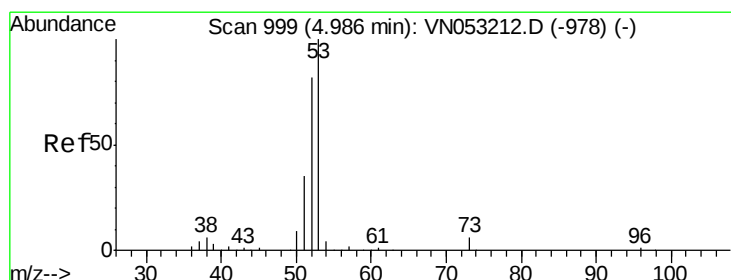
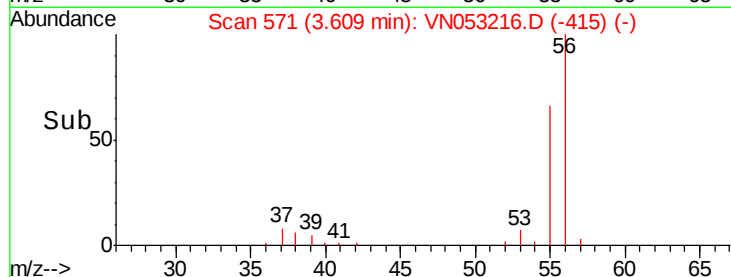
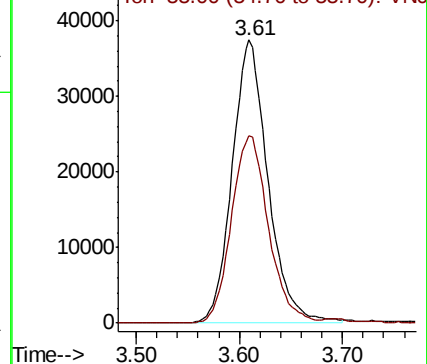
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 102.232 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

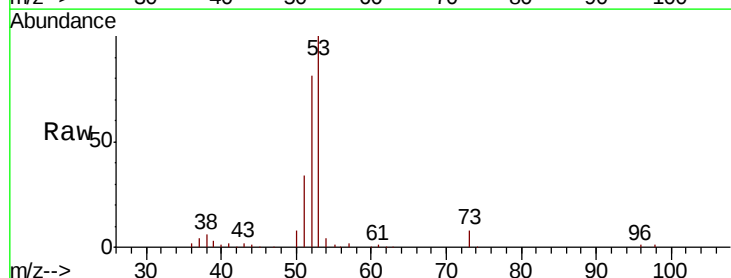
Tgt Ion: 53 Resp: 330879

Ion Ratio Lower Upper

53 100

52 82.0 39.9 119.7

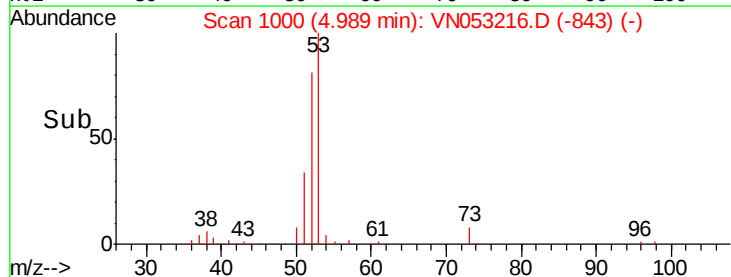
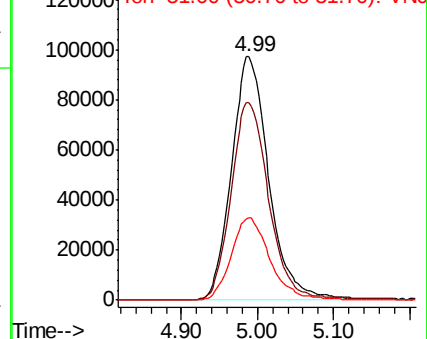
51 35.2 17.6 52.9

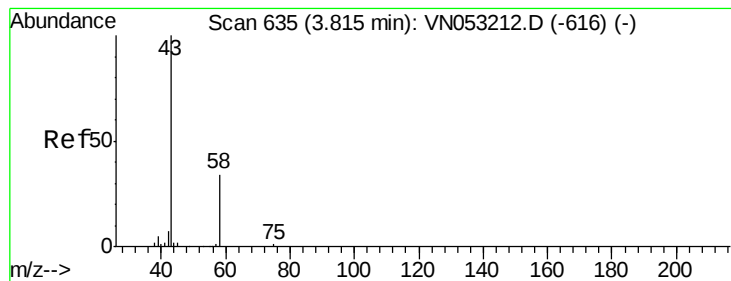


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 101.884 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN122818

Tot Ion: 58 Resp: 70081

Ion Ratio Lower Upper

58 100

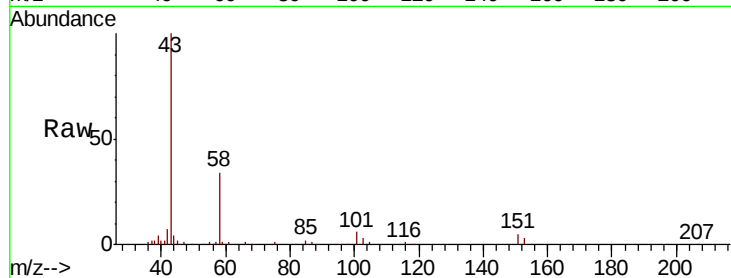
43 292.8 243.6 365.4

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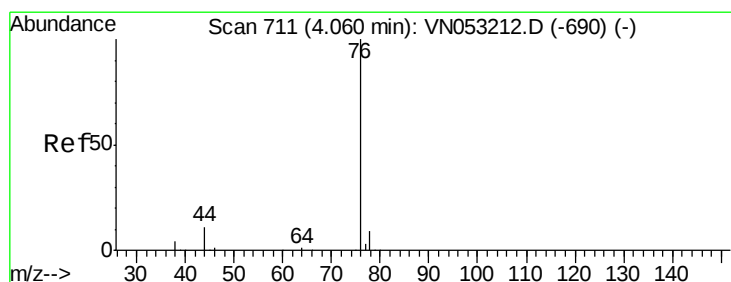
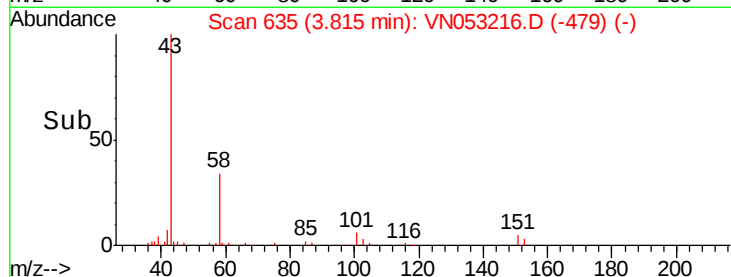
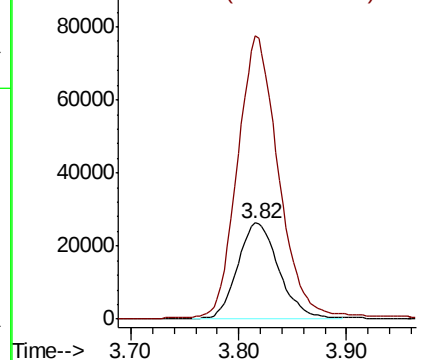
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 21.170 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053216.D

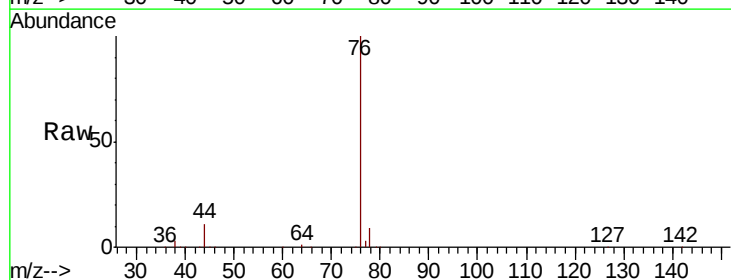
Acq: 28 Dec 2018 10:41

Tgt Ion: 76 Resp: 604489

Ion Ratio Lower Upper

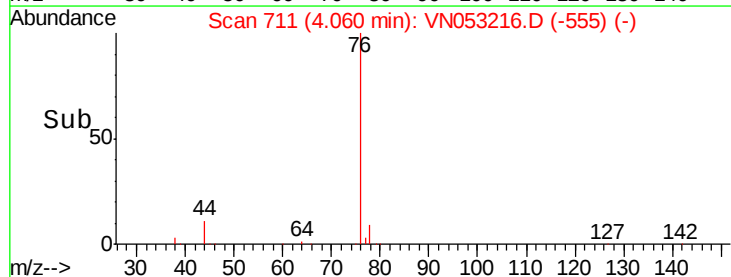
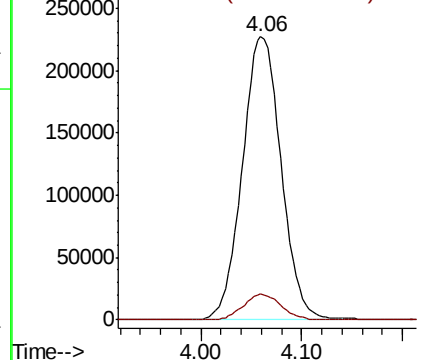
76 100

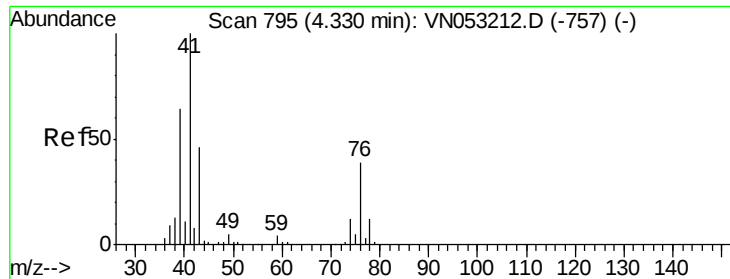
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





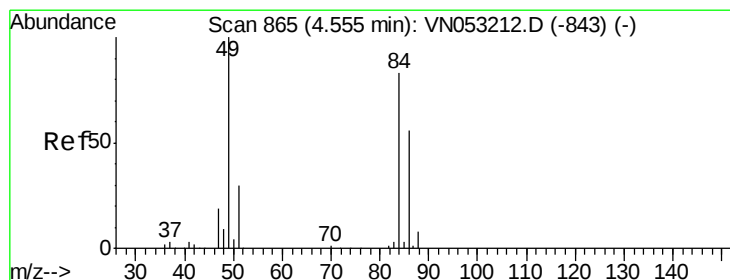
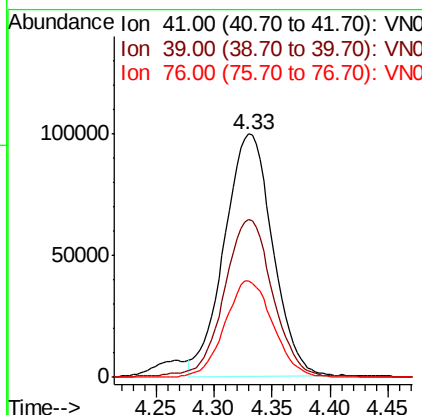
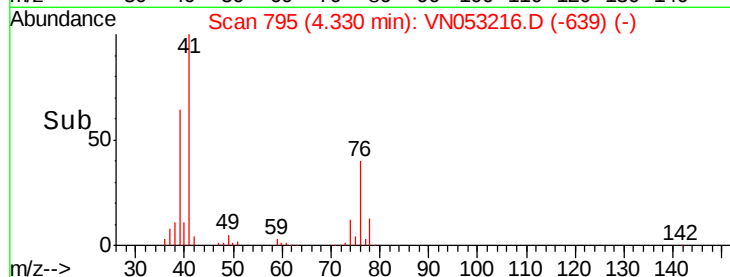
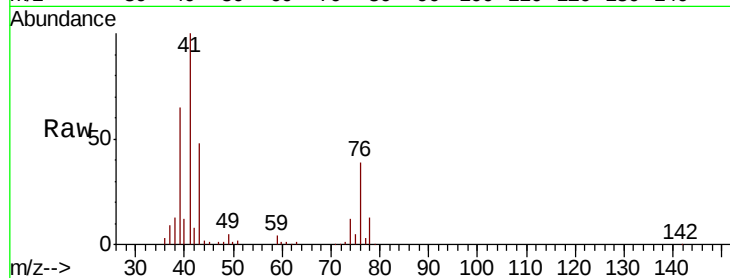
#17
Allvl chloride
Concen: 19.613 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122818

Tot Ion:	41	Resp:	286399
Ion	Ratio	Lower	Upper
41	100		
39	65.1	32.8	98.3
76	39.5	18.6	55.8

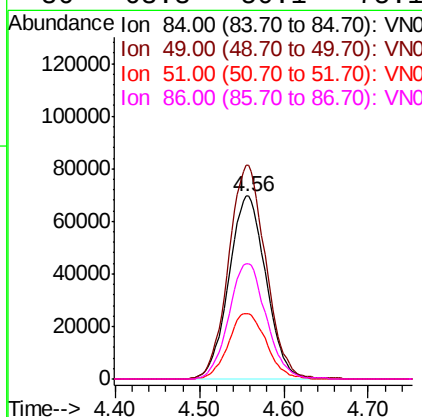
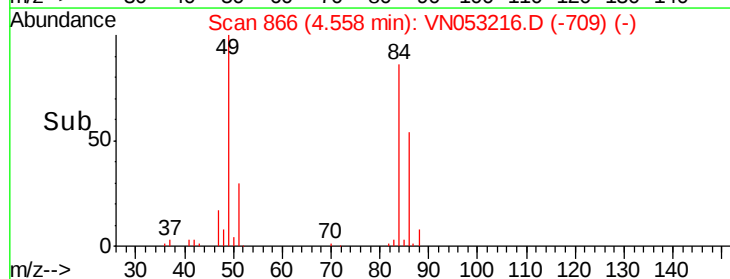
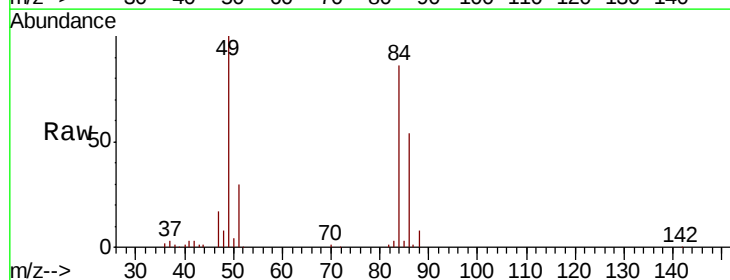
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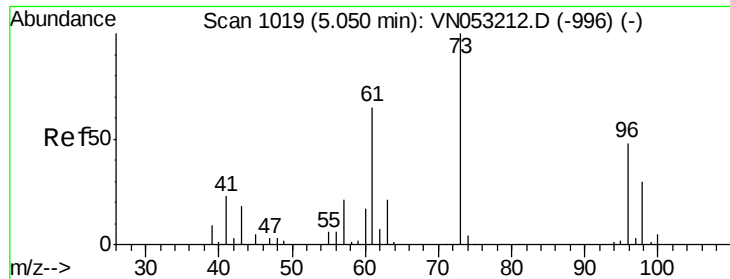
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#18
Methylene Chloride
Concen: 20.099 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Tgt Ion:	84	Resp:	213510
Ion	Ratio	Lower	Upper
84	100		
49	116.6	101.4	152.0
51	35.5	31.7	47.5
86	63.3	50.1	75.1





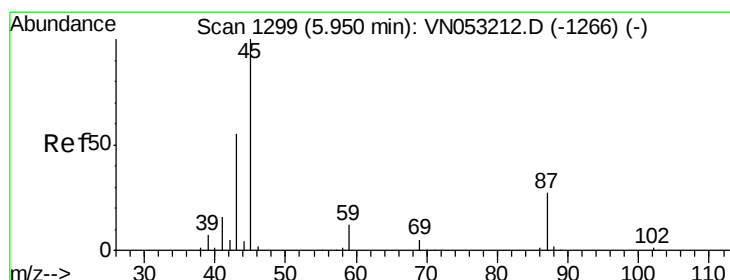
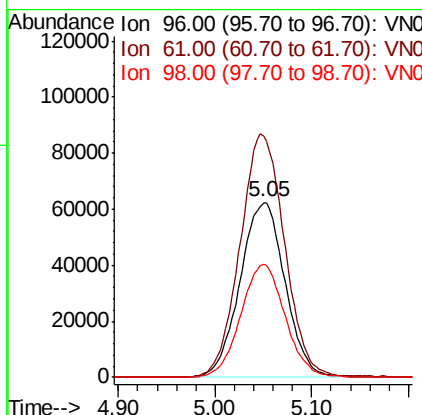
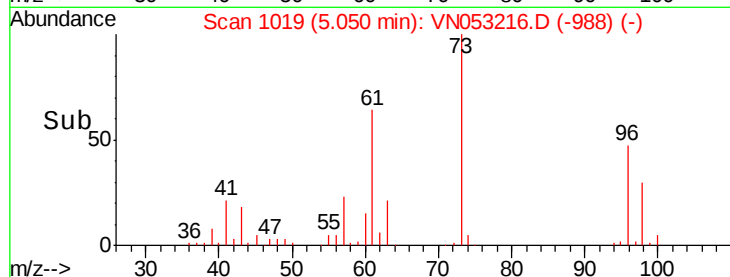
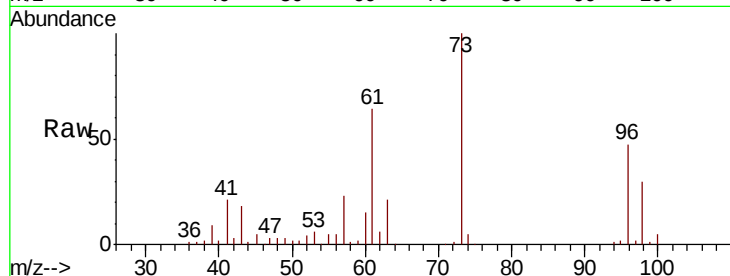
#19
trans-1,2-Dichloroethene
Concen: 20.571 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122818

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.7	118.2	177.4
98	64.3	51.4	77.2

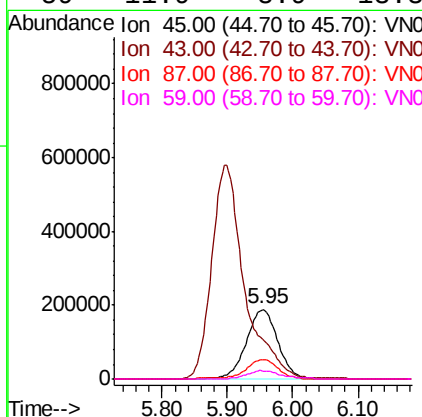
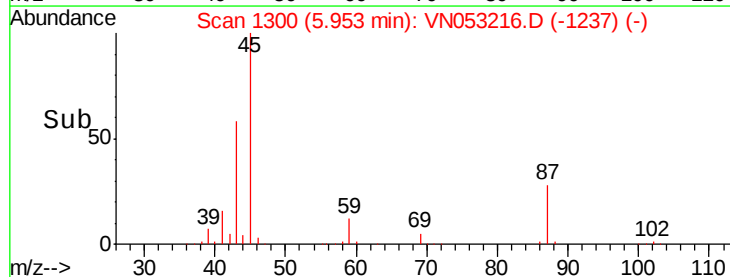
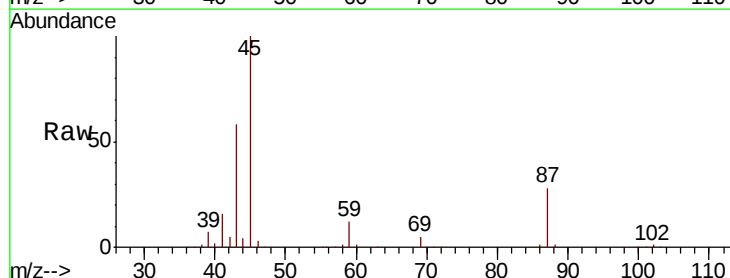
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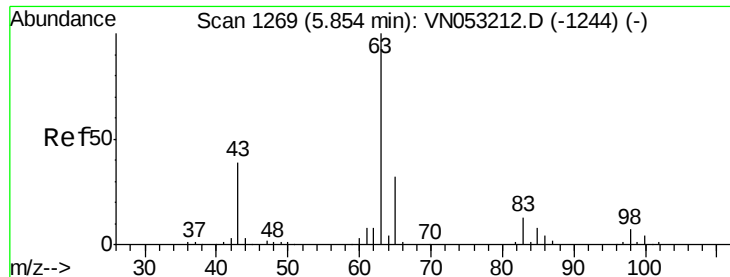
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#20
Diisopropyl ether
Concen: 20.195 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.0	47.8	71.8
87	28.1	21.3	31.9
59	11.9	8.9	13.3





#21

1,1-Dichloroethane

Concen: 20.177 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Instrument :

MSVOA_N

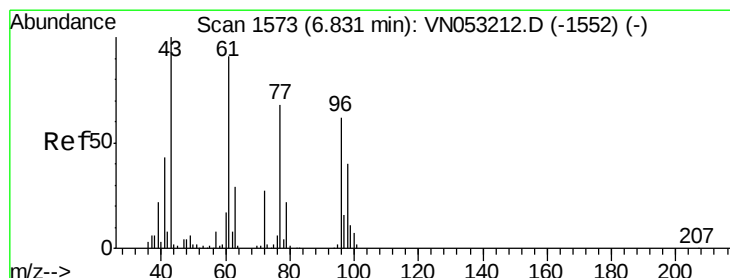
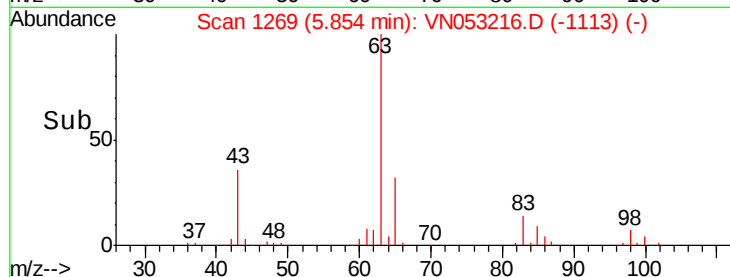
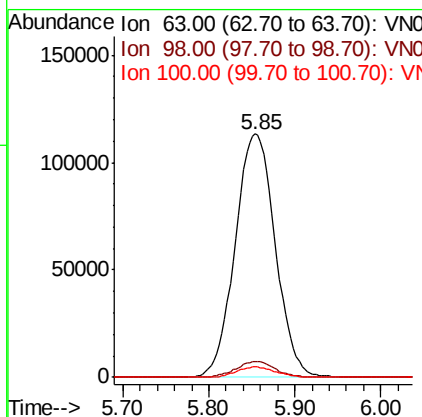
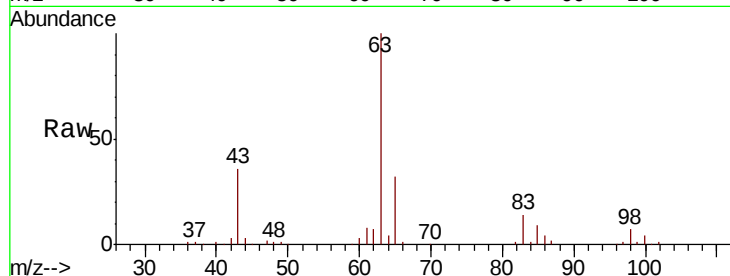
ClientSampleId :

ICVVN122818

Tot Ion	Ratio	Resp	Lower	Upper
63	100	367376		
98	6.6	3.0	9.2	
100	4.4	1.8	5.5	

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#22

cis-1,2-Dichloroethene

Concen: 20.371 ug/l

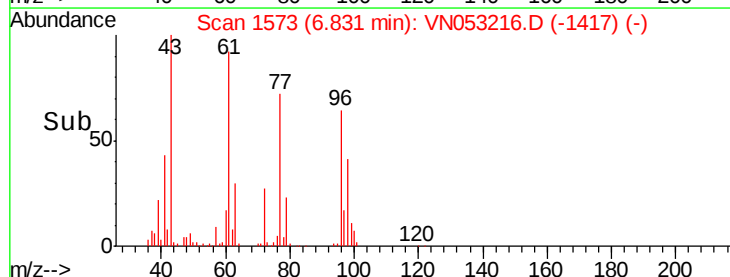
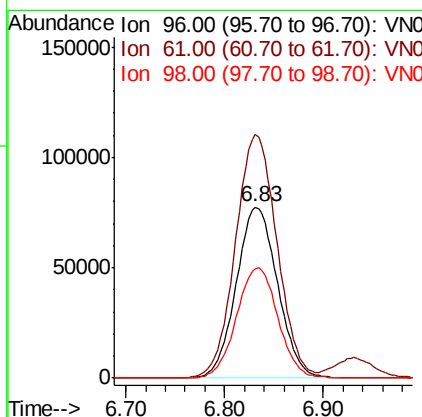
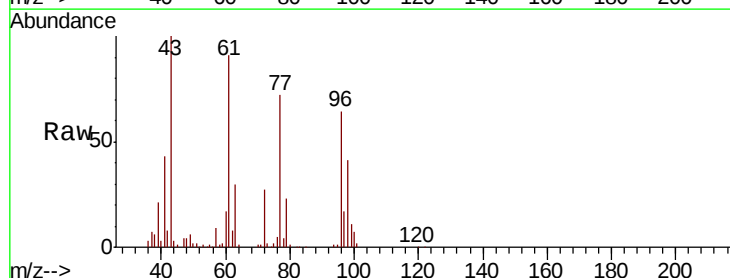
RT: 6.83 min Scan# 1573

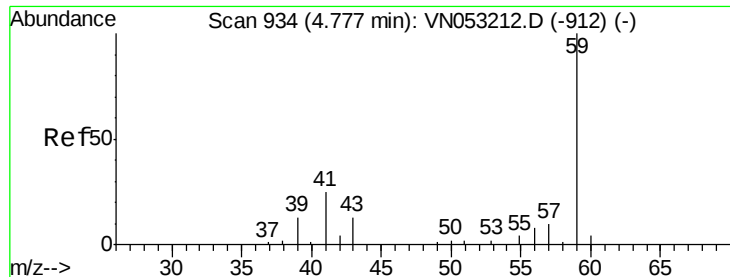
Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	225100		
61	143.0	116.7	175.1	
98	64.9	50.8	76.2	





#23

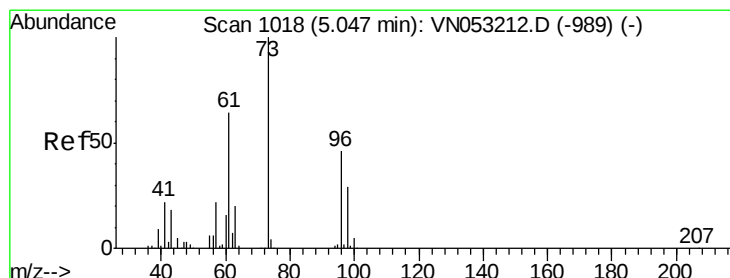
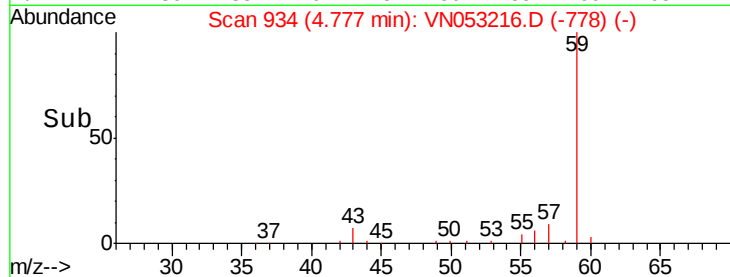
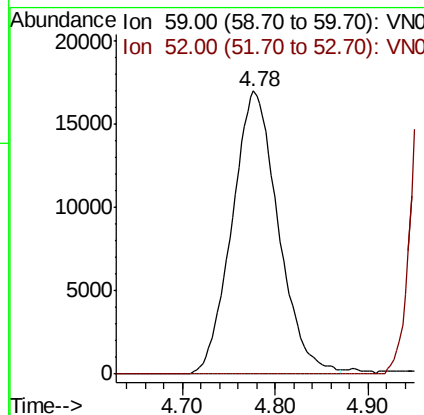
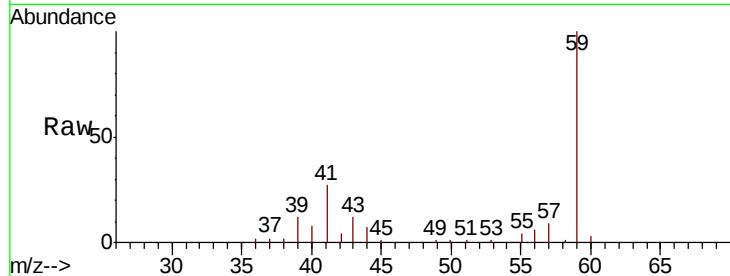
tert-Butyl Alcohol
 Concen: 107.882 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053216.D
 Acq: 28 Dec 2018 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN122818

Tot Ion	59	52	Ratio	100	0.0	Resp:	58861	Lower	Upper
59	100								
52		0.0			0.0			0.0	0.0

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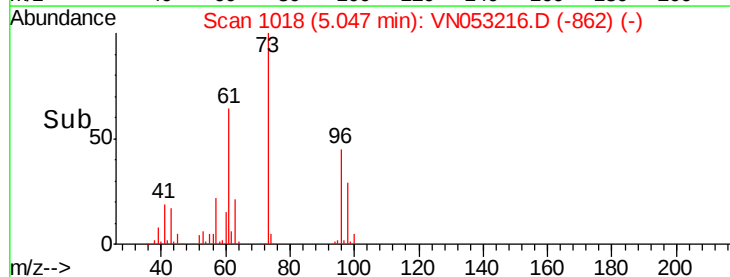
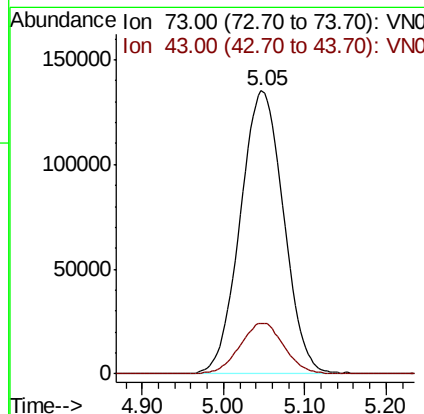
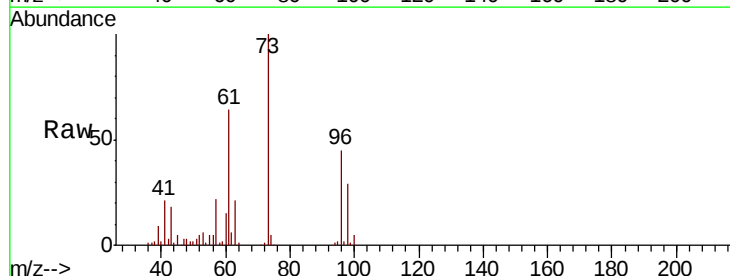
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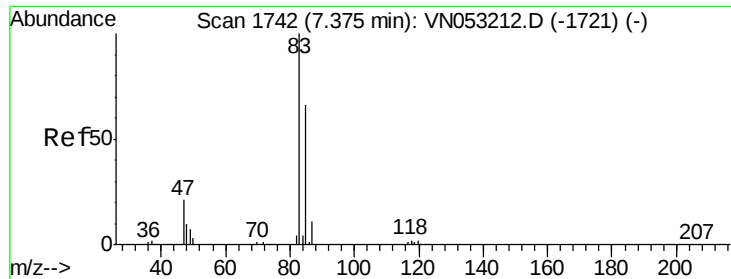


#24

Methyl tert-Butyl Ether
 Concen: 20.605 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN053216.D
 Acq: 28 Dec 2018 10:41

Tgt Ion	73	43	Ratio	100	17.7	Resp:	498721	Lower	Upper
73	100								
43		17.7			15.8			23.8	





#25

Chloroform

Concen: 20.191 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN122818

Tot Ion: 83 Resp: 353372

Ion Ratio Lower Upper

83 100

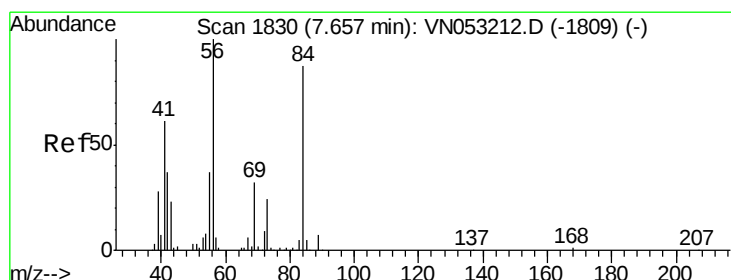
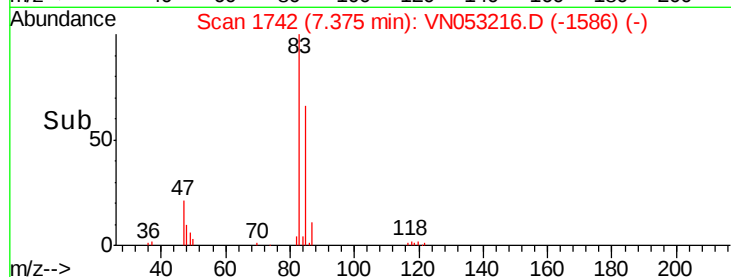
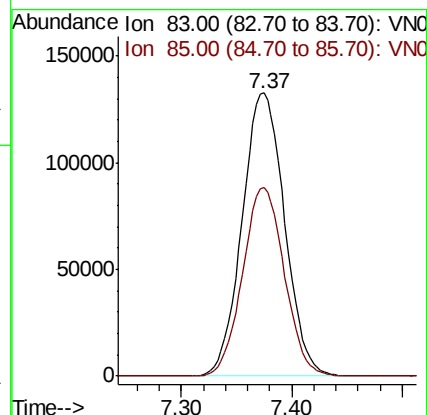
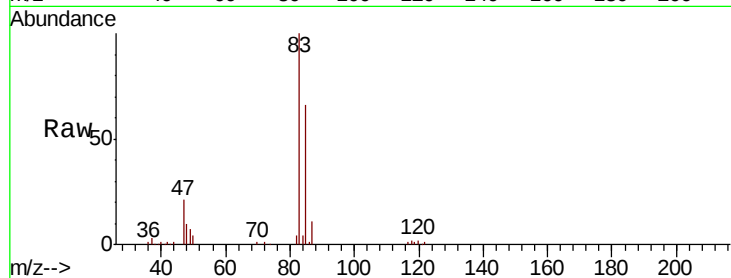
85 66.5 51.7 77.5

Manual Integrations

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#26

Cyclohexane

Concen: 20.370 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

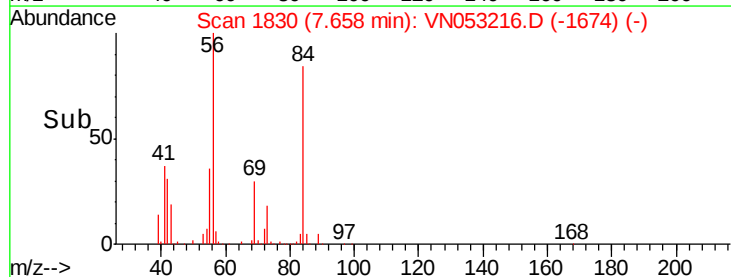
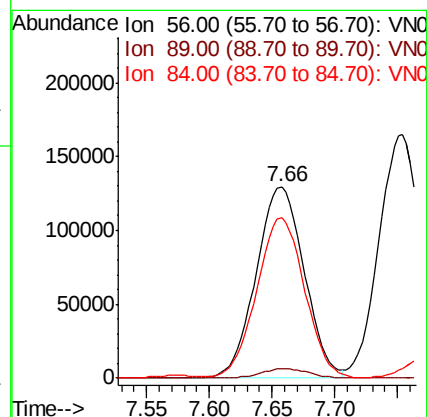
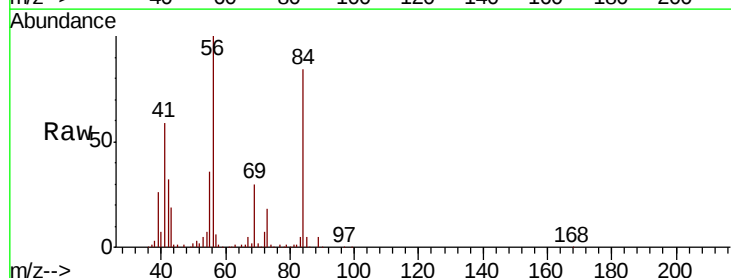
Tgt Ion: 56 Resp: 345934

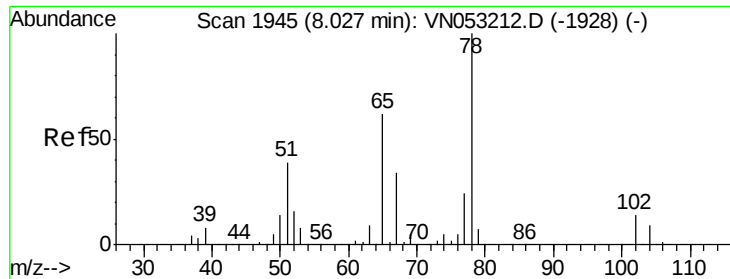
Ion Ratio Lower Upper

56 100

89 4.7 0.5 0.7#

84 83.9 66.2 99.2





#27

1,2-Dichloroethane-d4

Concen: 20.370 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN122818

Tot Ion: 65 Resp: 305691

Ion Ratio Lower Upper

65 100

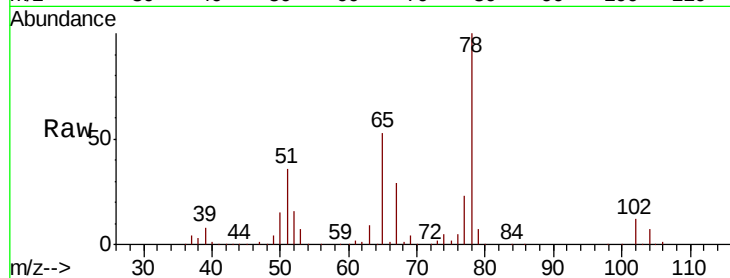
67 55.5 44.6 66.8

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Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

150000

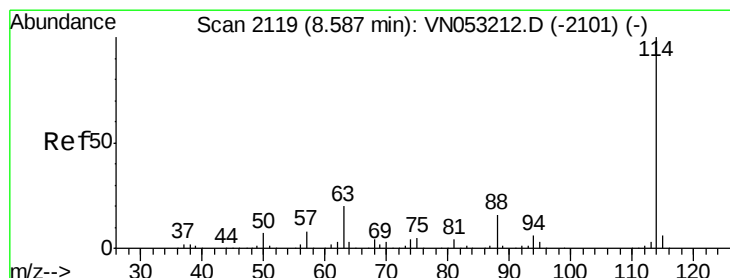
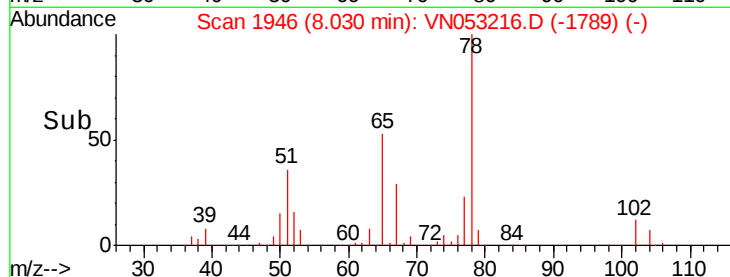
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

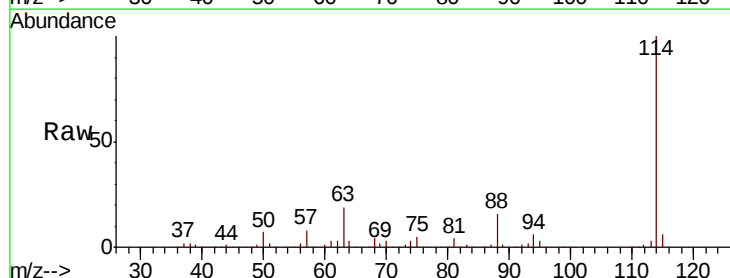
Tgt Ion: 114 Resp: 933825

Ion Ratio Lower Upper

114 100

63 19.5 16.9 25.3

88 15.3 12.8 19.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

600000

500000

400000

300000

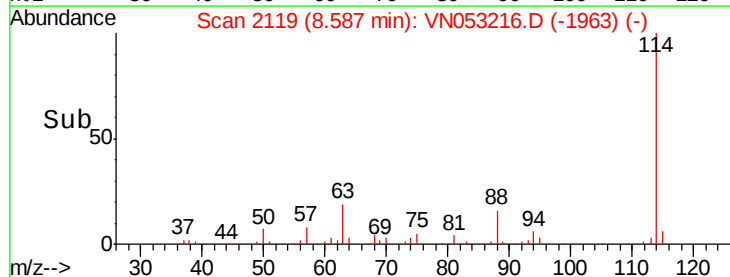
200000

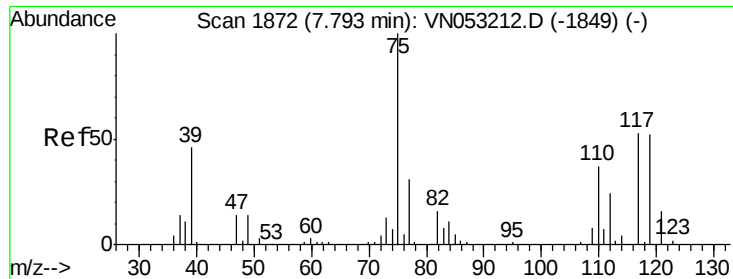
100000

0

8.50 8.55 8.60 8.65 8.70

Time-->





#29

1,1-Dichloropropene

Concen: 20.061 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Instrument :

MSVOA_N

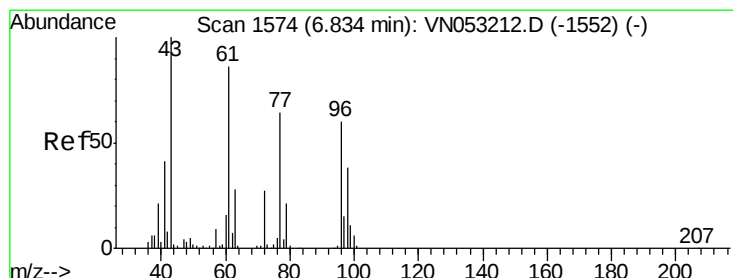
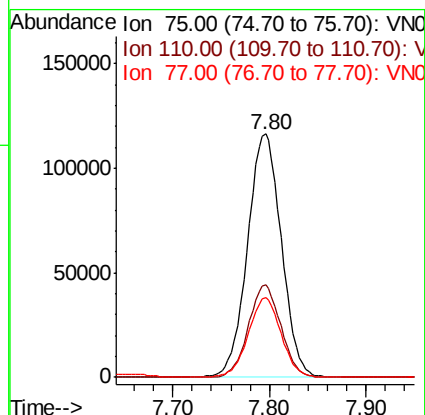
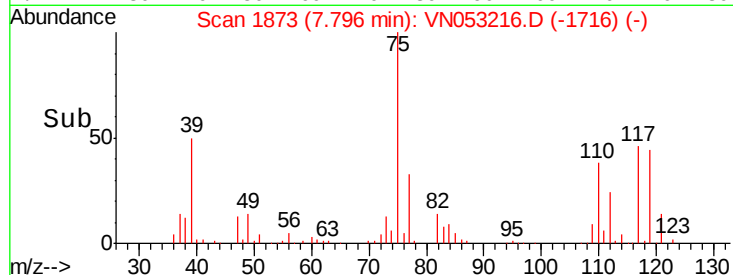
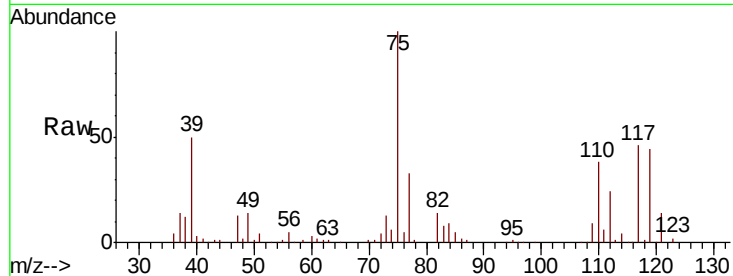
ClientSampled :

ICVVN122818

Tot Ion:	75	Resp:	283769
Ion Ratio	Lower	Upper	
75	100		
110	36.2	0.0	70.2
77	31.7	0.0	62.6

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#30

2-Butanone

Concen: 100.558 ug/l

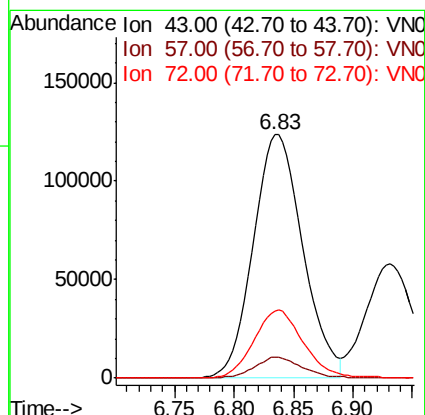
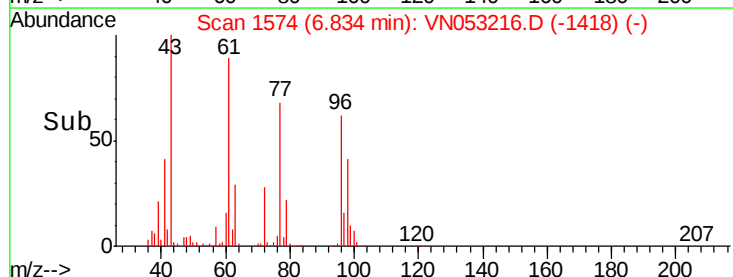
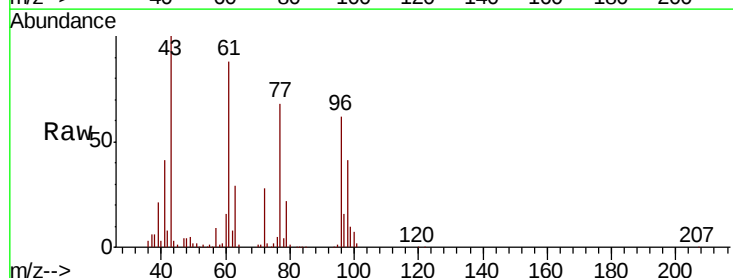
RT: 6.83 min Scan# 1574

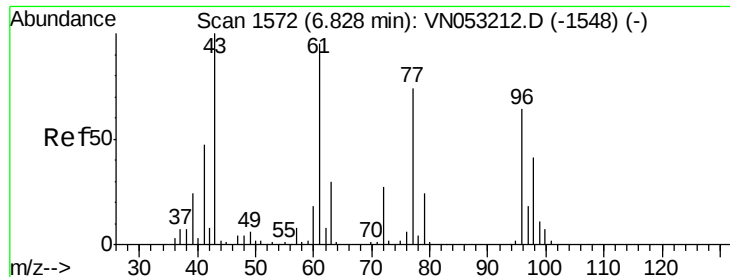
Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Tgt Ion:	43	Resp:	354869
Ion Ratio	Lower	Upper	
43	100		
57	8.4	6.2	9.4
72	27.9	21.0	31.6





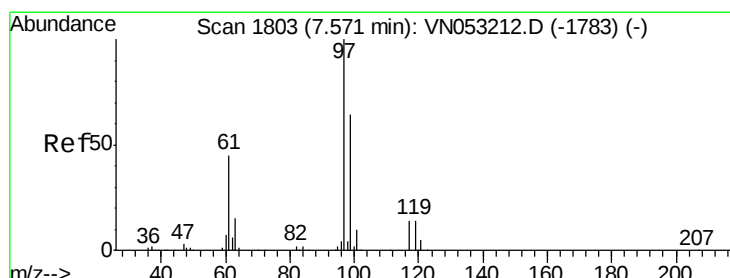
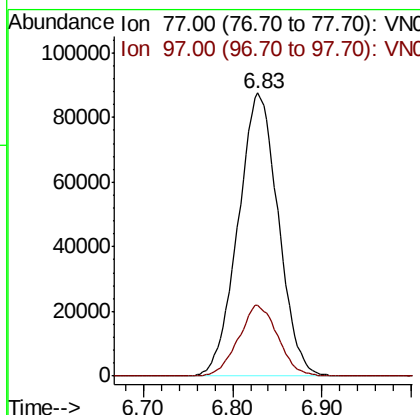
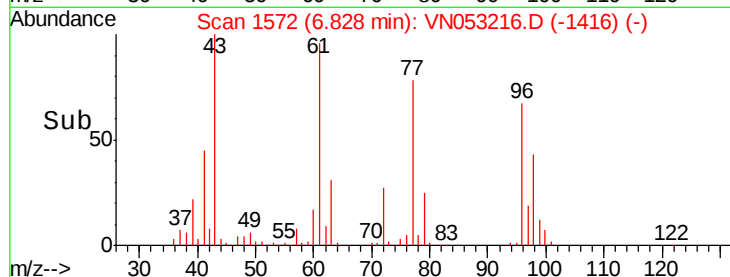
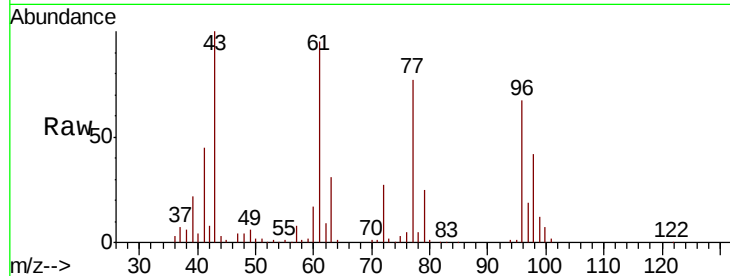
#31
 2,2-Dichloropropane
 Concen: 20.051 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN053216.D
 Acq: 28 Dec 2018 10:41

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN122818

Tot Ion	Ratio	Lower	Upper
77	100		
97	24.5	18.7	28.1

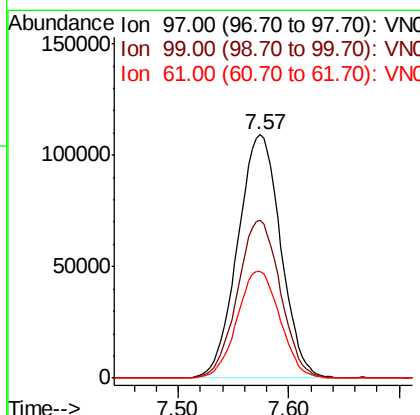
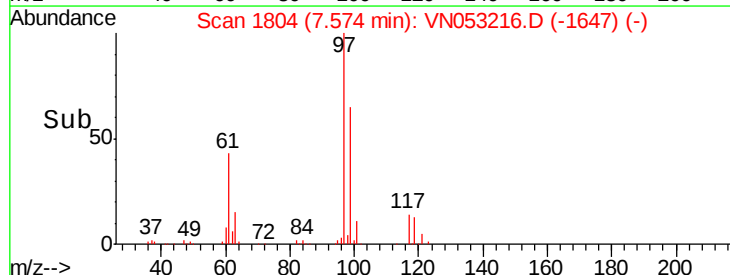
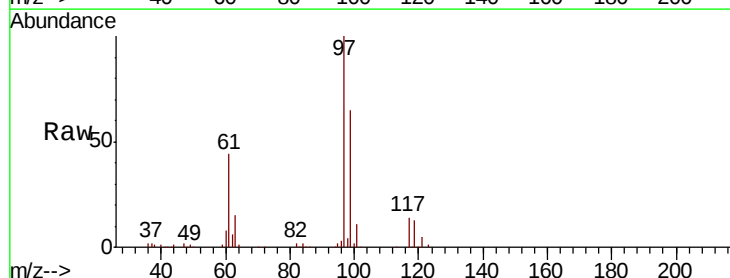
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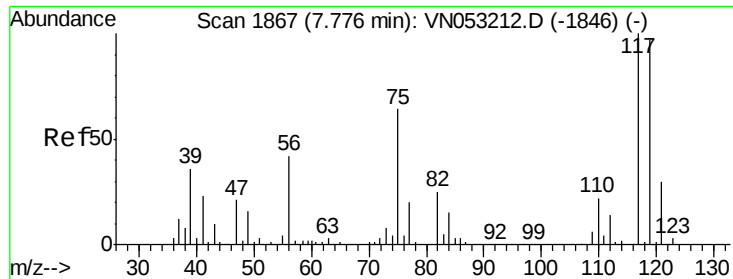
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#32
 1,1,1-Trichloroethane
 Concen: 19.936 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN053216.D
 Acq: 28 Dec 2018 10:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	50.9	76.3
61	43.8	38.1	57.1





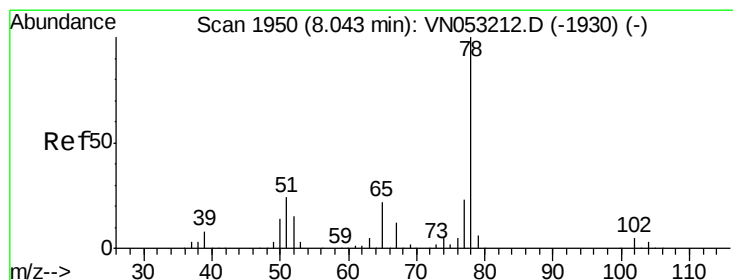
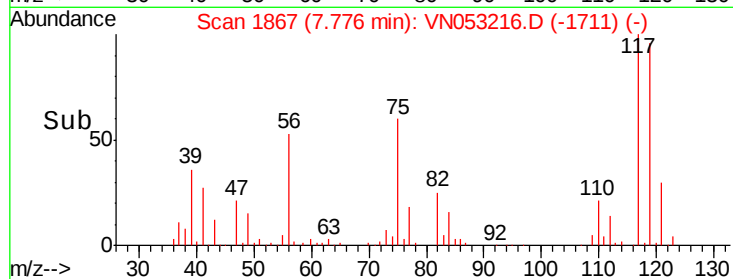
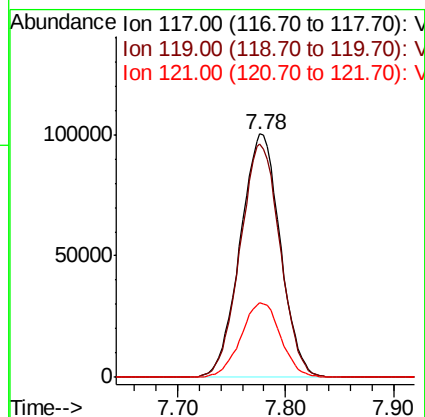
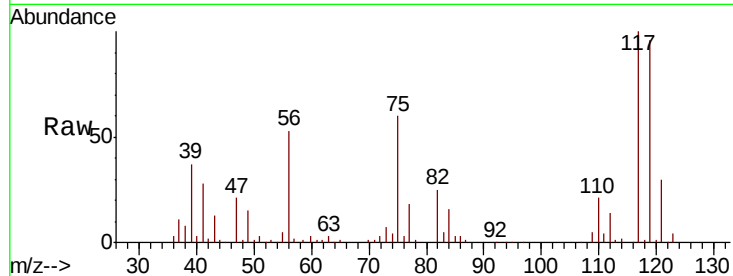
#33
Carbon Tetrachloride
Concen: 19.887 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122818

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.3	115.9
121	30.5	24.9	37.3

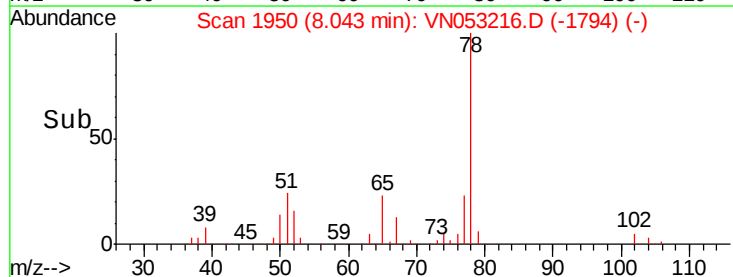
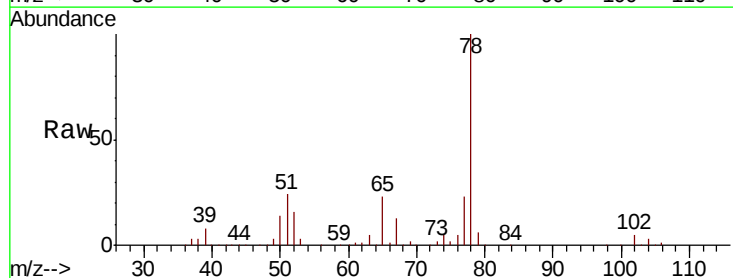
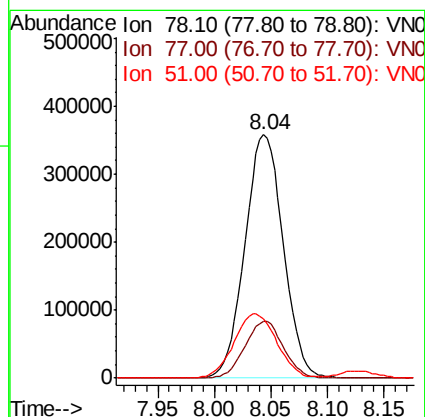
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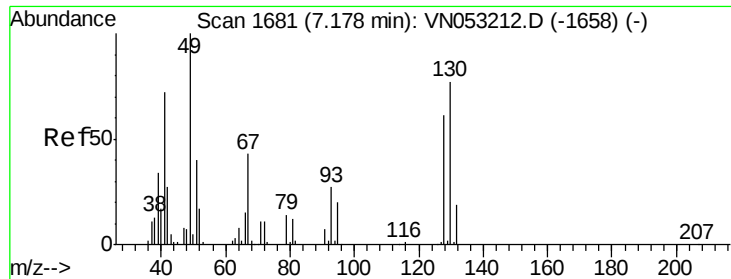
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#34
Benzene
Concen: 19.875 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.6
51	24.1	20.5	30.7





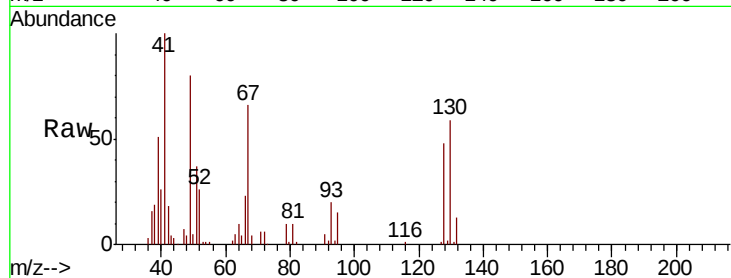
#35
Methacrylonitrile
Concen: 20.570 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122818

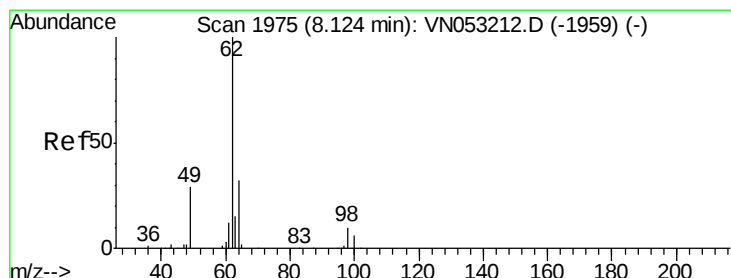
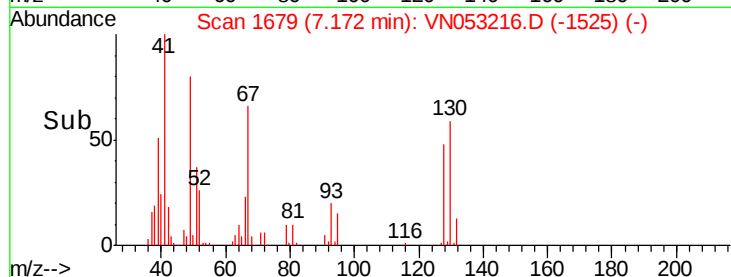
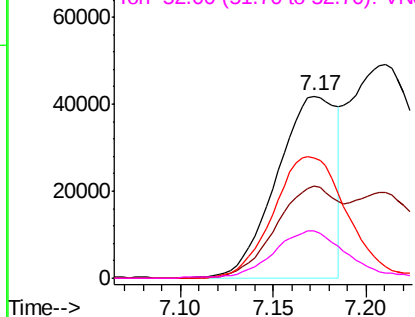
Tot Ion	41	Resp	93671
Ion	Ratio	Lower	Upper
41	100		
39	50.8	26.6	79.7
67	66.4	32.3	96.9
52	25.7	13.0	38.9

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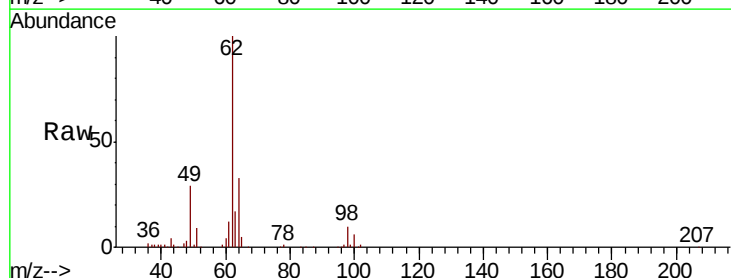


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

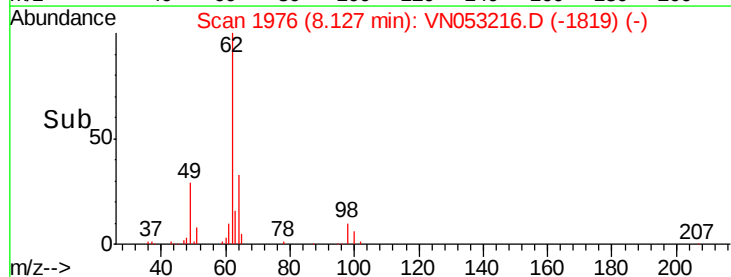
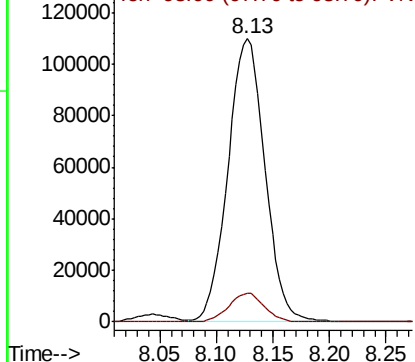


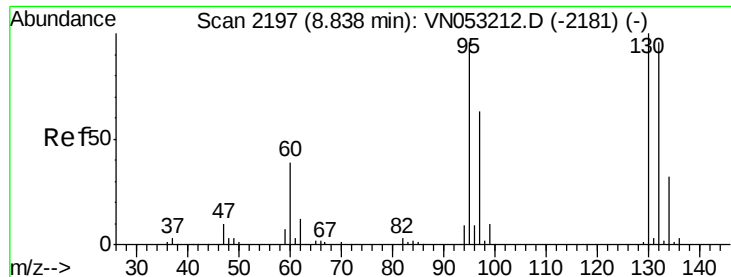
#36
1,2-Dichloroethane
Concen: 20.218 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Tgt Ion	62	Resp	249511
Ion	Ratio	Lower	Upper
62	100		
98	9.9	7.4	11.2



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





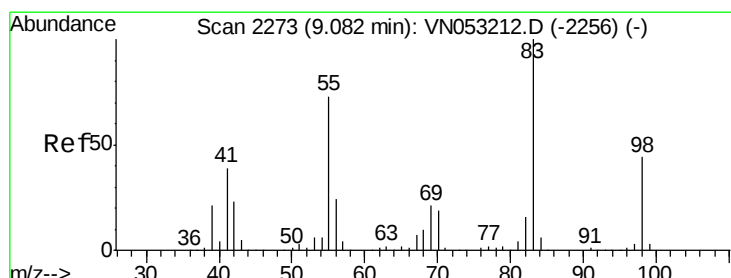
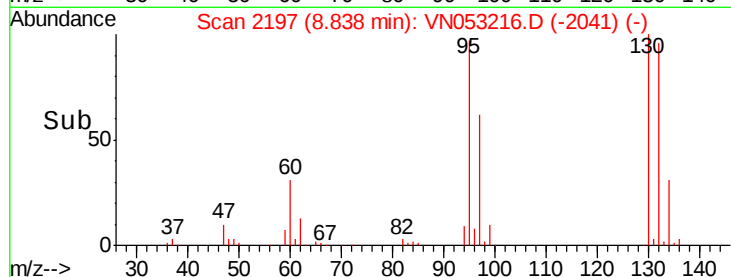
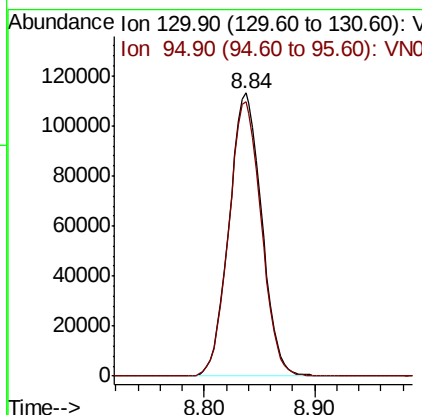
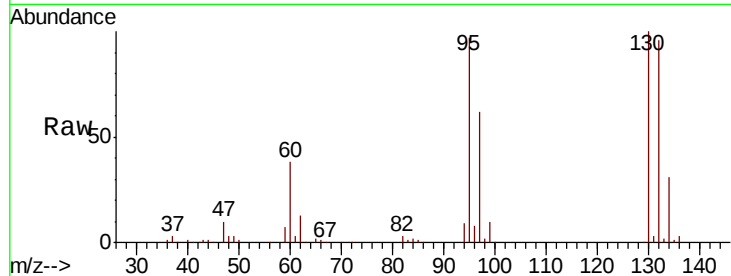
#37
 Trichloroethene
 Concen: 20.144 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN053216.D
 Acq: 28 Dec 2018 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN122818

Tot Ion:130 Resp: 231976
 Ion Ratio Lower Upper
 130 100
 95 97.1 81.0 121.4

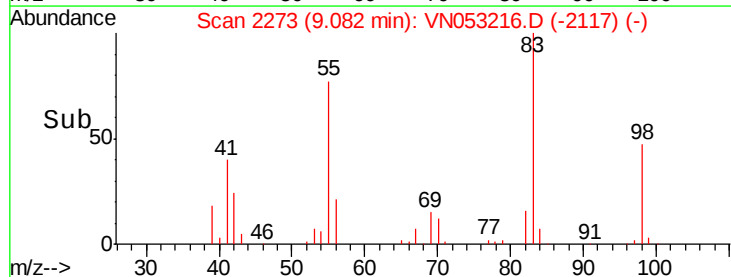
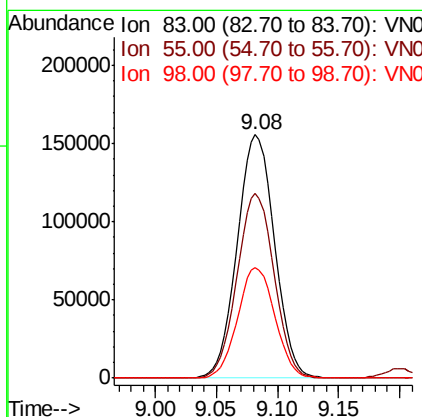
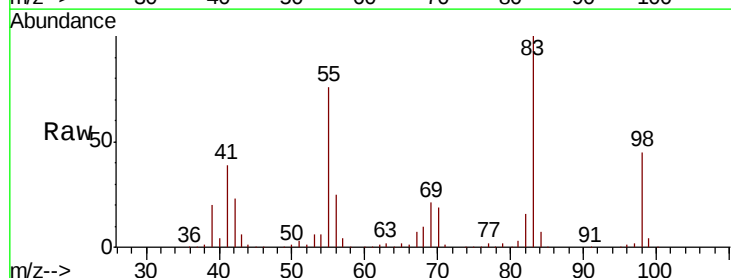
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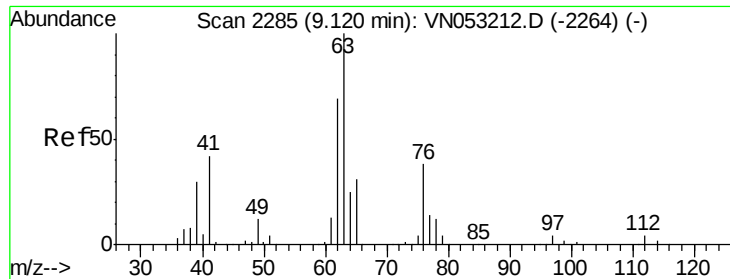
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#38
 Methylcyclohexane
 Concen: 19.934 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN053216.D
 Acq: 28 Dec 2018 10:41

Tgt Ion: 83 Resp: 329795
 Ion Ratio Lower Upper
 83 100
 55 75.2 39.8 119.4
 98 45.4 22.9 68.5





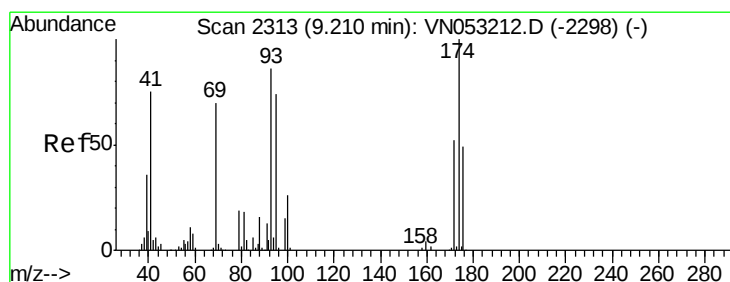
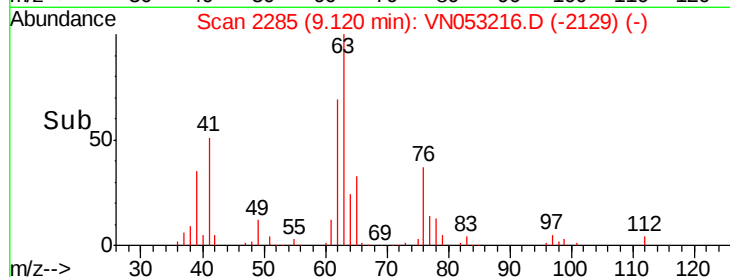
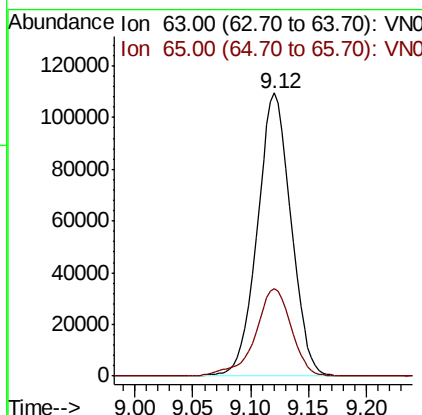
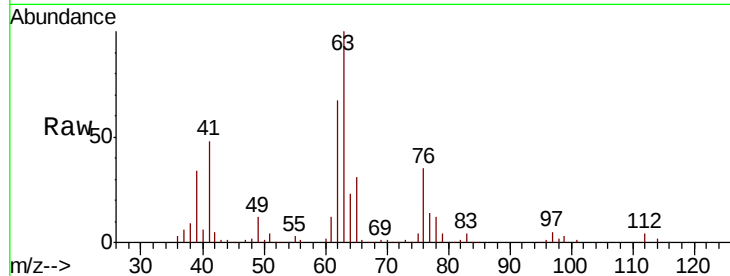
#39
 1,2-Dichloropropane
 Concen: 19.938 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053216.D
 Acq: 28 Dec 2018 10:41

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN122818

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	23.6	35.4

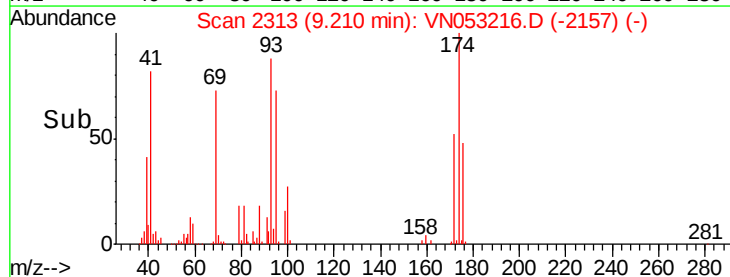
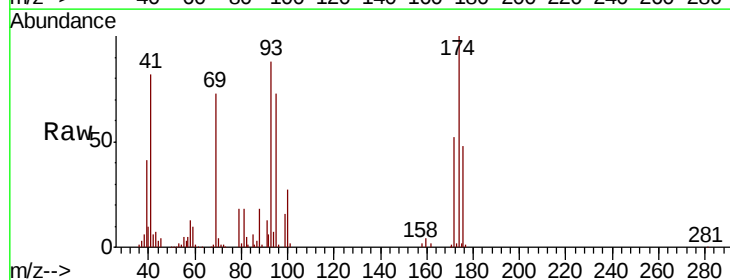
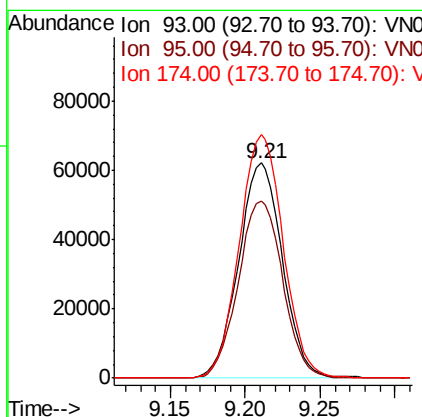
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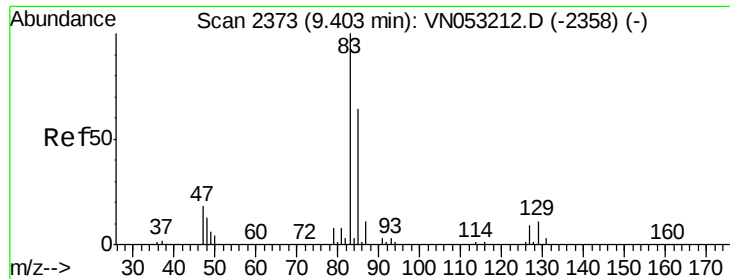
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#40
 Dibromomethane
 Concen: 20.166 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053216.D
 Acq: 28 Dec 2018 10:41

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	0.0	168.4
174	113.5	0.0	210.0





#41

Bromodichloromethane

Concen: 19.758 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Instrument :

MSVOA_N

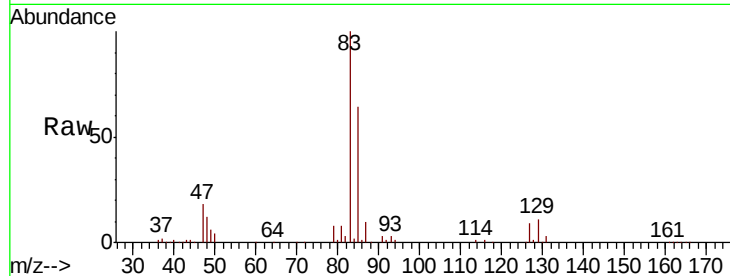
ClientSampleId :

ICVVN122818

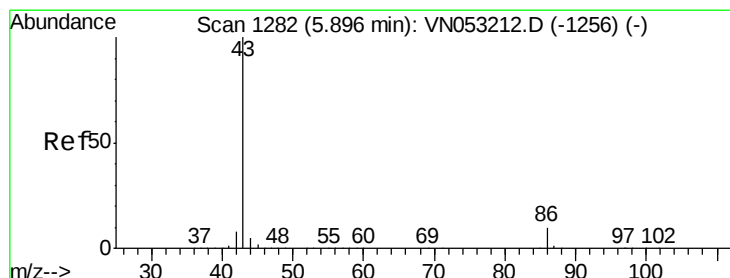
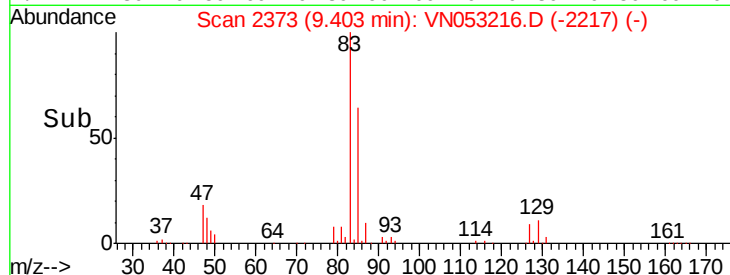
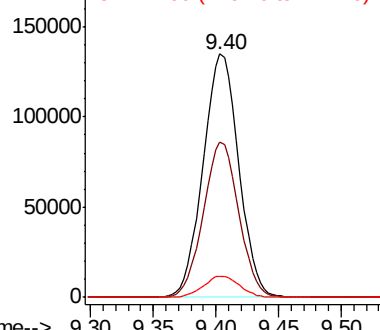
Tot Ion:	83	Resp:	266376
Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.4	78.6
127	8.8	6.6	9.8

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VN053216.D (-2217) (-)



#42

Vinyl Acetate

Concen: 105.080 ug/l

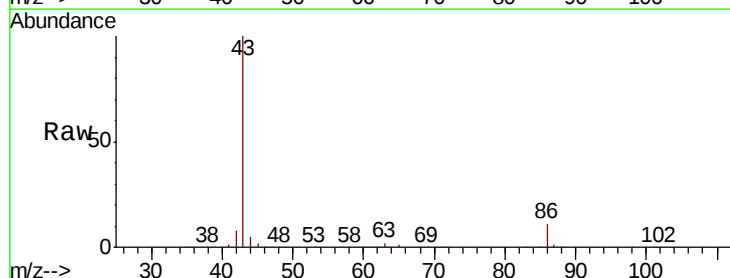
RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

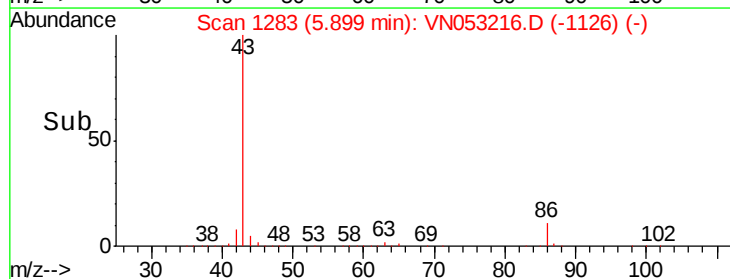
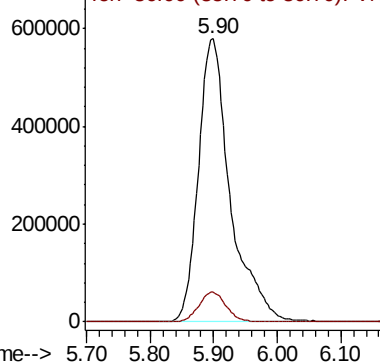
Lab File: VN053216.D

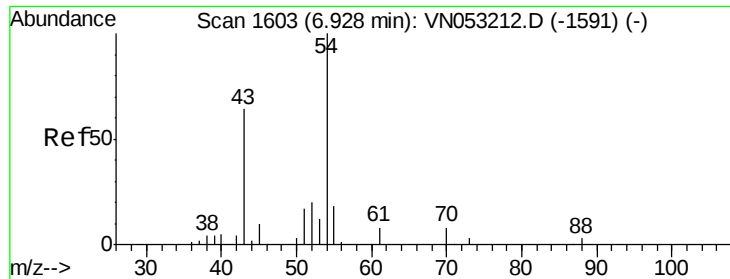
Acq: 28 Dec 2018 10:41

Tgt Ion:	43	Resp:	2023106
Ion	Ratio	Lower	Upper
43	100		
86	9.1	6.5	9.7



Abundance Ion 43.00 (42.70 to 43.70): VN053216.D (-1126) (-)





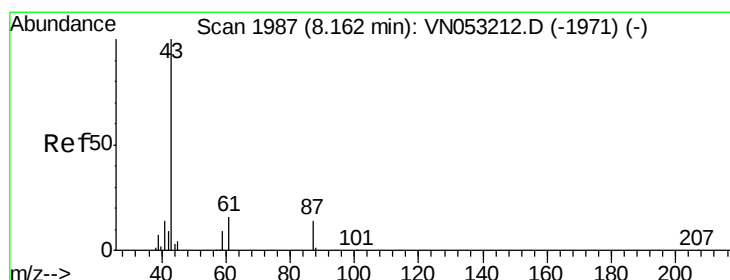
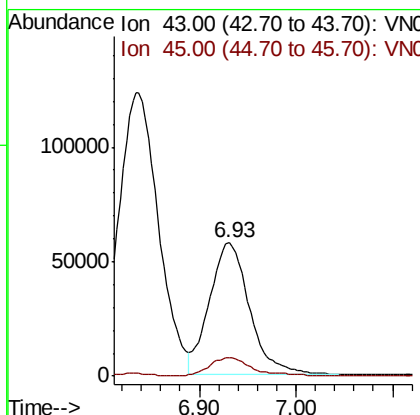
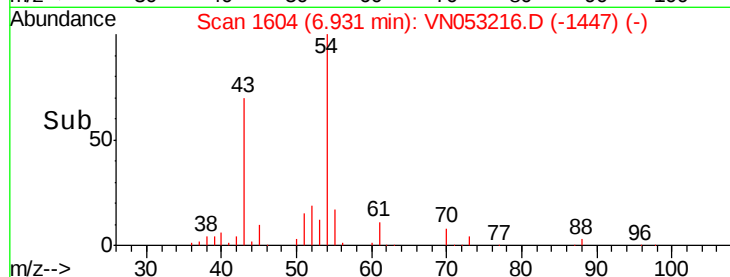
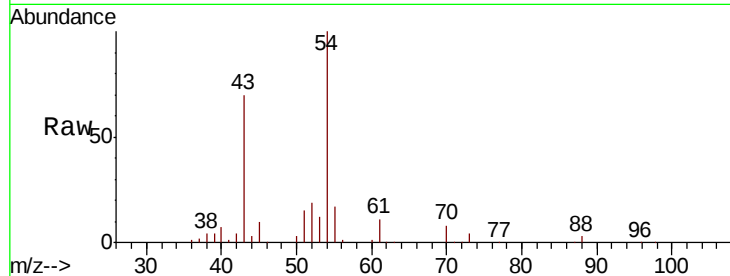
#43
Ethyl Acetate
Concen: 20.999 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122818

Tot Ion: 43 Resp: 165494
Ion Ratio Lower Upper
43 100
45 13.4 1.0 1.6#

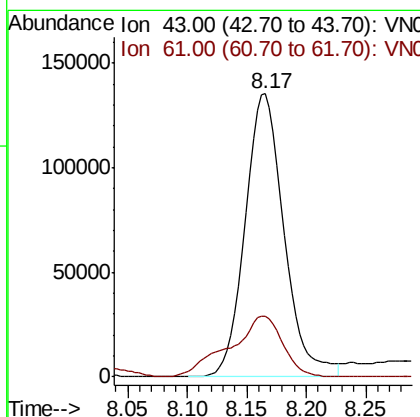
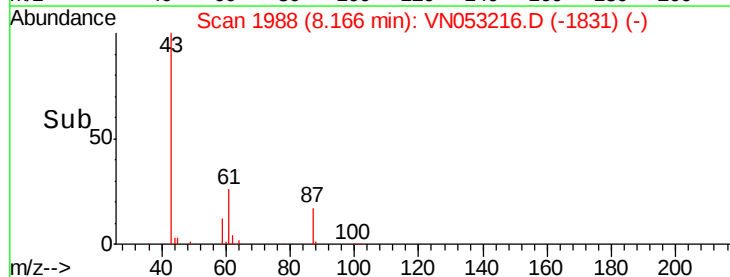
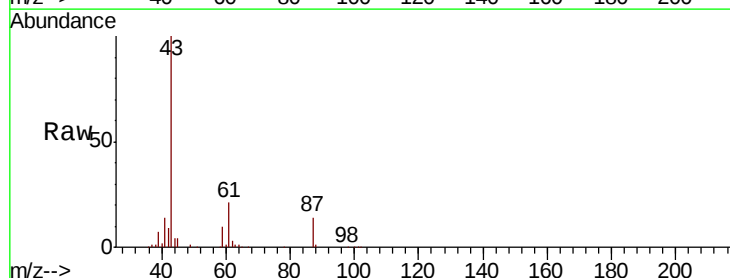
Manual Integrations
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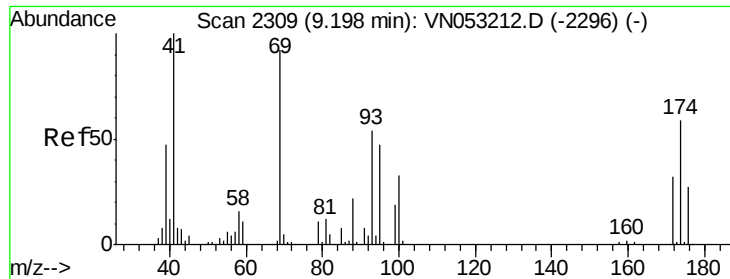
MMDadoda
1/2/2019 9:48:44 AM



#44
Isopropyl Acetate
Concen: 20.864 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Tgt Ion: 43 Resp: 306294
Ion Ratio Lower Upper
43 100
61 28.9 16.0 24.0#





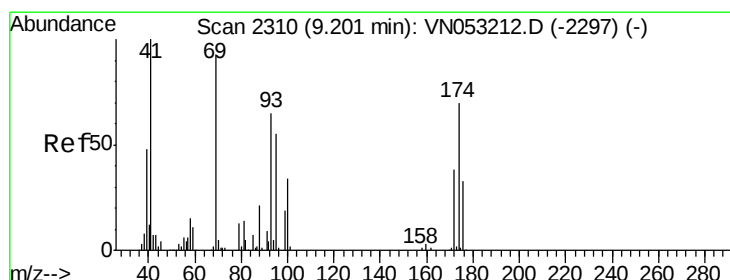
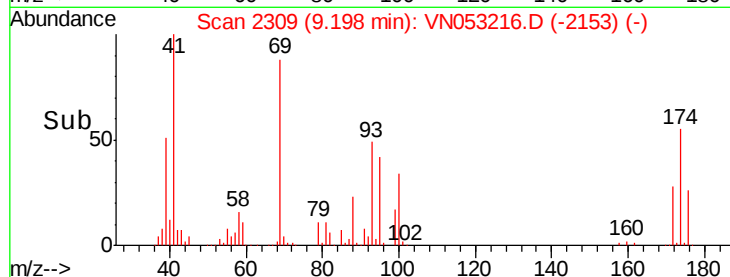
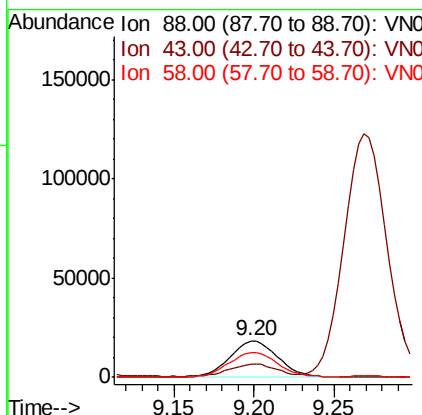
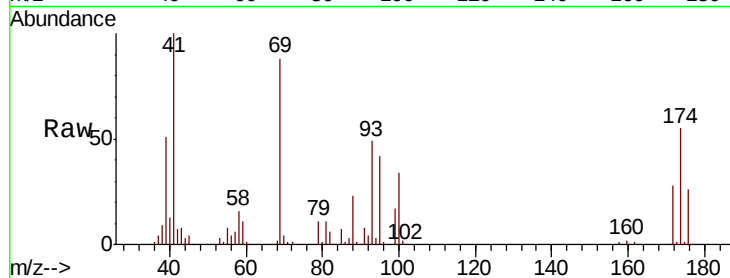
#45
 1,4-Dioxane
 Concen: 418.220 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN053216.D
 Acq: 28 Dec 2018 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN122818

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.4	29.5	44.3
58	71.4	61.5	92.3

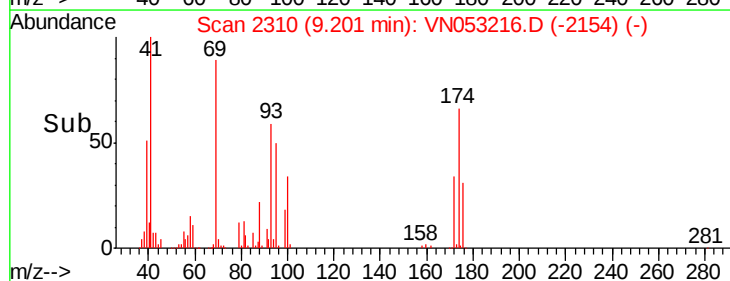
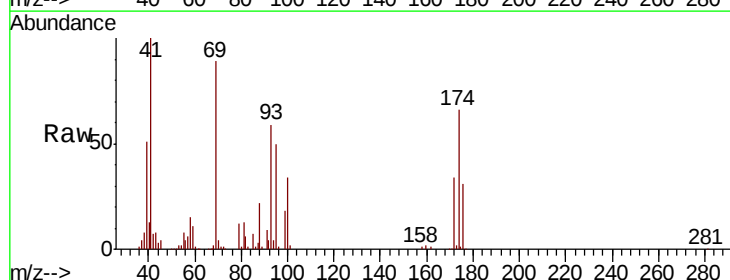
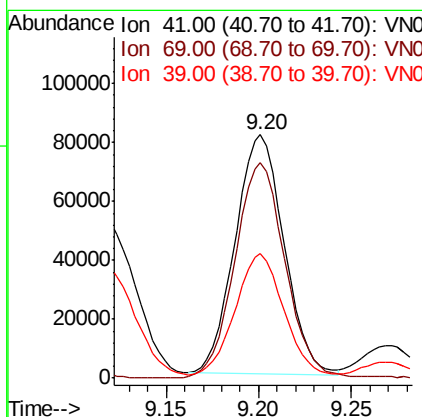
Manual Integrations
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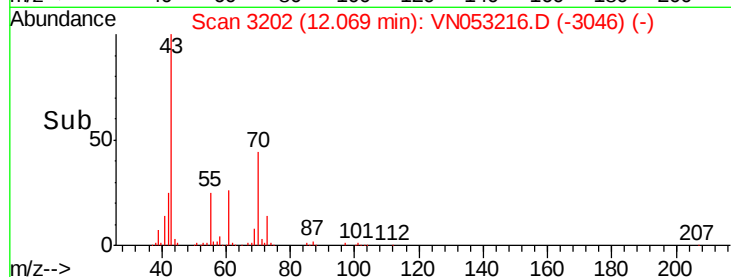
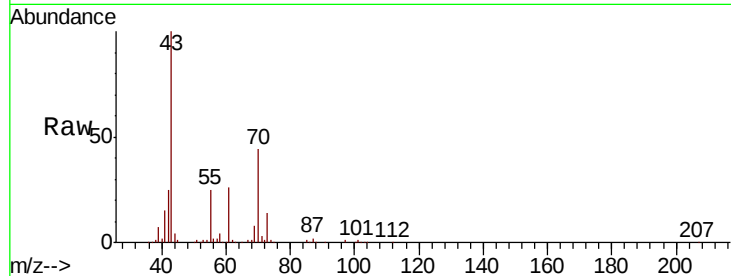
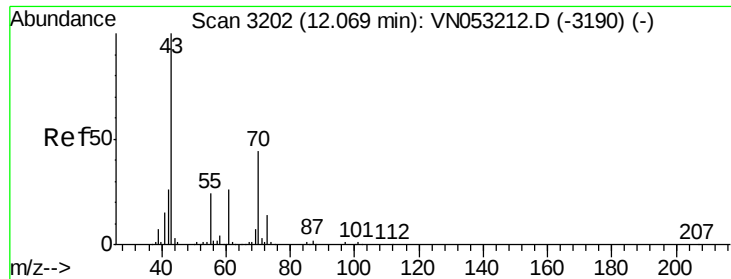
MMDadoda
 1/2/2019 9:48:44 AM



#46
 Methyl methacrylate
 Concen: 20.032 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053216.D
 Acq: 28 Dec 2018 10:41

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.8	42.5	127.6
39	50.8	26.3	78.9





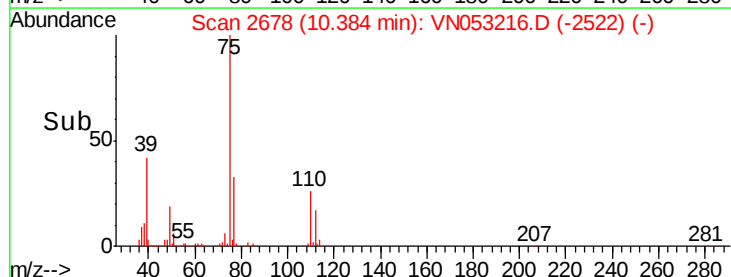
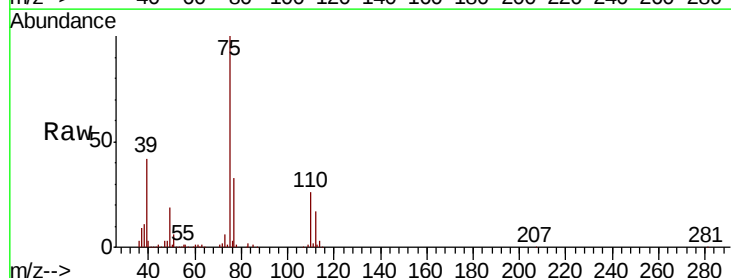
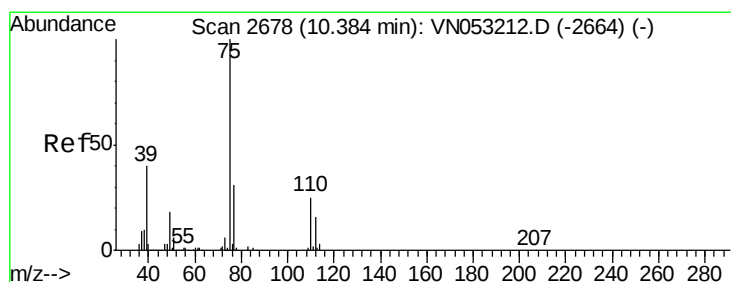
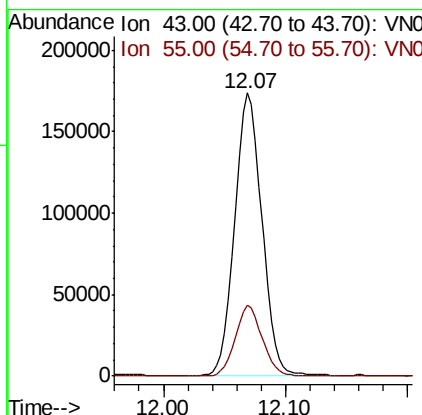
#47
n-amvl Acetate
Concen: 20.805 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Tot Ion: 43 Resp: 268226
Ion Ratio Lower Upper
43 100
55 24.9 21.1 31.7

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122818

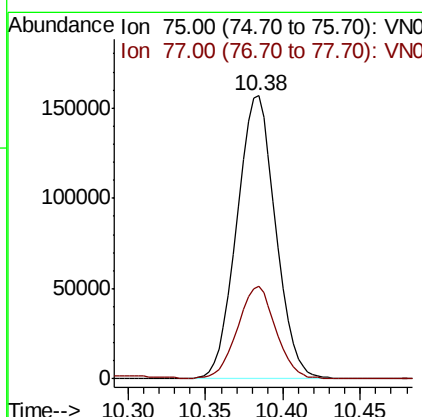
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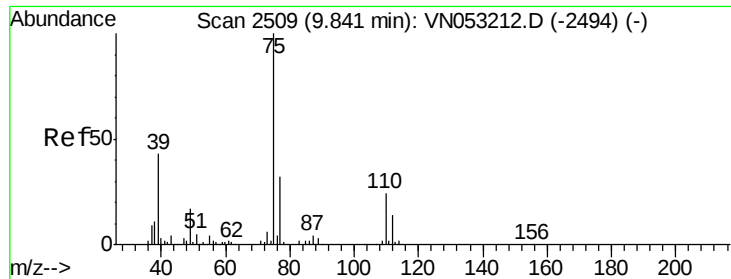
MMDadoda
1/2/2019 9:48:44 AM



#48
t-1,3-Dichloropropene
Concen: 19.875 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Tgt Ion: 75 Resp: 273482
Ion Ratio Lower Upper
75 100
77 32.3 25.6 38.4





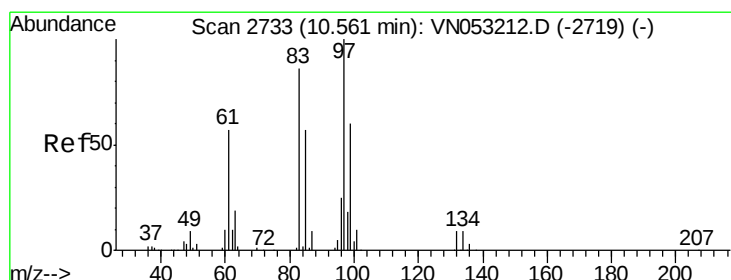
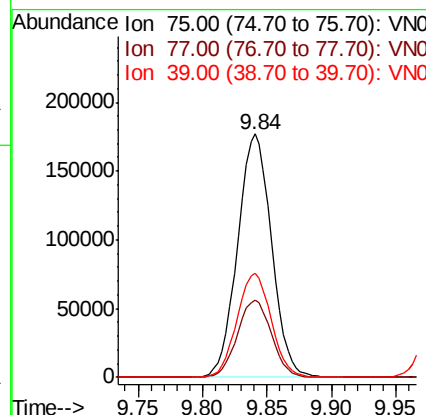
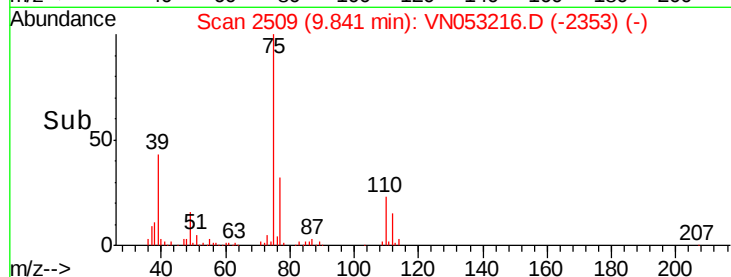
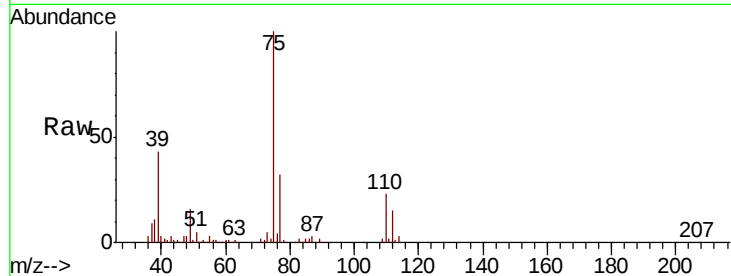
#49
 cis-1,3-Dichloropropene
 Concen: 19.982 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN053216.D
 Acq: 28 Dec 2018 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN122818

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0
39	42.8	37.3	55.9

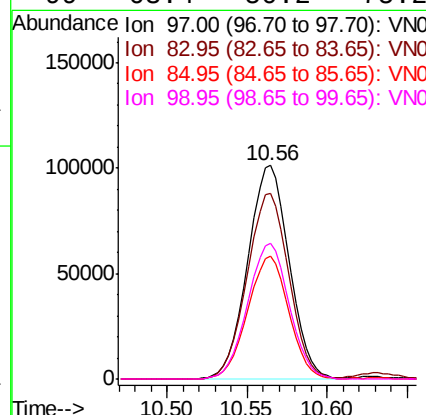
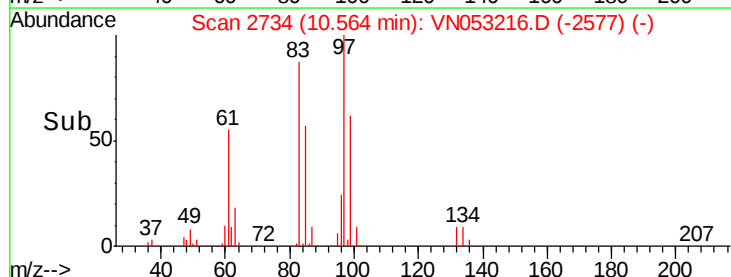
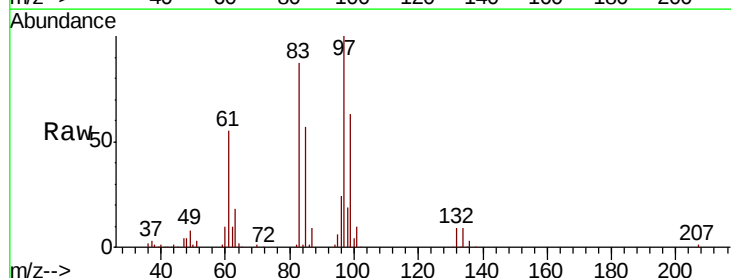
Manual Integrations
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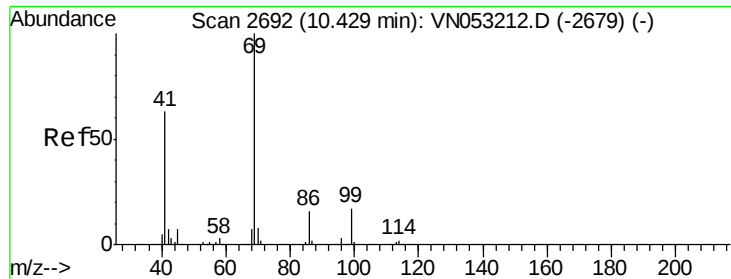
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#50
 1,1,2-Trichloroethane
 Concen: 19.927 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053216.D
 Acq: 28 Dec 2018 10:41

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.4	105.6
85	57.3	45.0	67.6
99	63.4	50.2	75.2





#51

Ethyl methacrylate

Concen: 20.204 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Instrument :

MSVOA_N

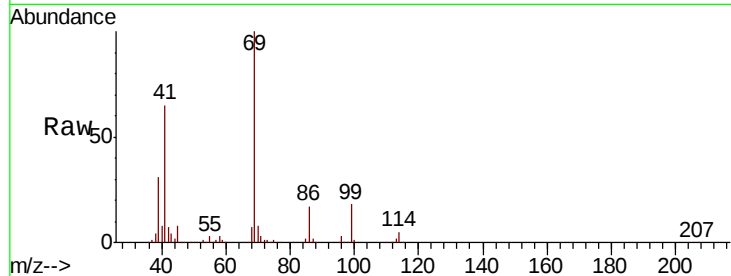
ClientSampleId :

ICVVN122818

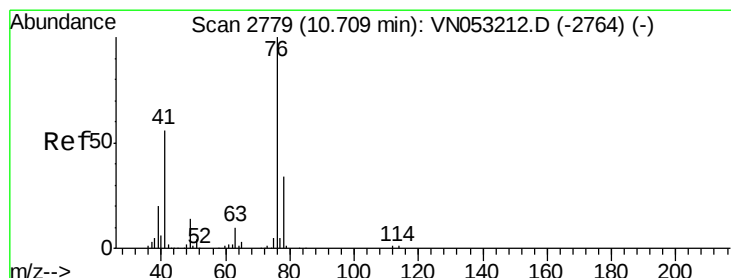
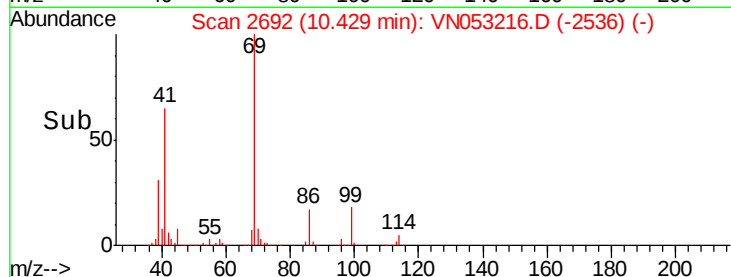
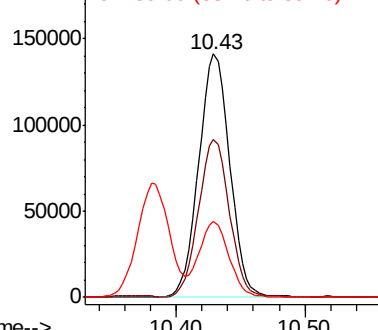
Tot Ion:	69	Resp:	237012
Ion	Ratio	Lower	Upper
69	100		
41	64.7	34.4	103.3
39	30.7	16.4	49.2

Manual Integrations
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Abundance Ion 69.00 (68.70 to 69.70): VN053212.D (-2679) (-)



#52

1,3-Dichloropropane

Concen: 20.130 ug/l

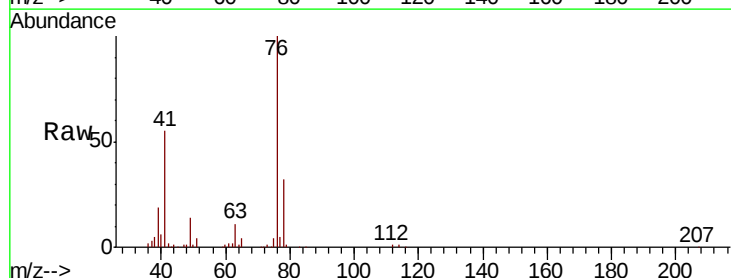
RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

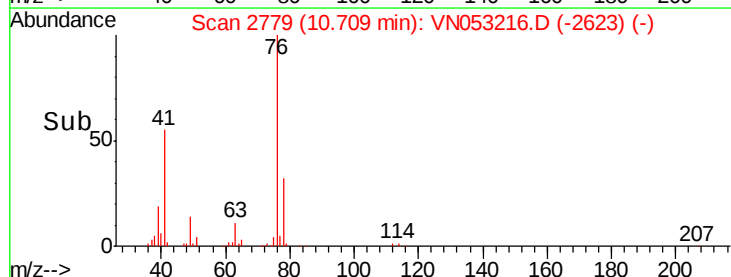
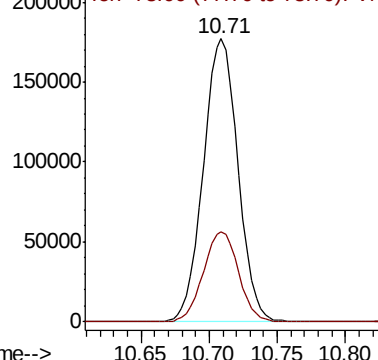
Lab File: VN053216.D

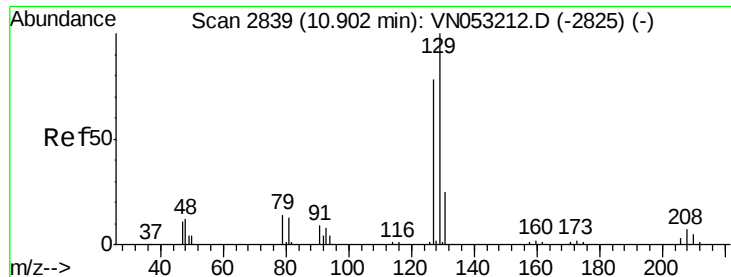
Acq: 28 Dec 2018 10:41

Tgt Ion:	76	Resp:	312130
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	64.8



Abundance Ion 76.00 (75.70 to 76.70): VN053212.D (-2764) (-)





#53

Dibromochloromethane

Concen: 19.708 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN122818

Tot Ion:129 Resp: 199240

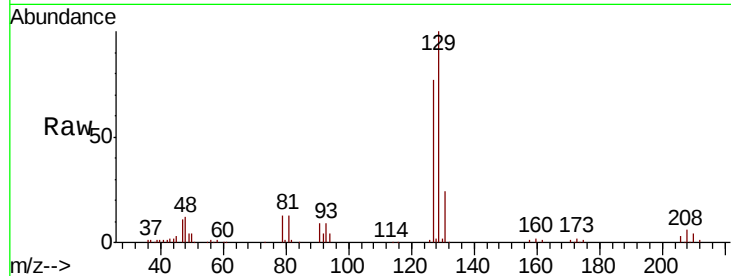
Ion Ratio Lower Upper

129 100

127 76.8 37.6 112.8

Manual Integrations
APPROVED

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

120000

100000

80000

60000

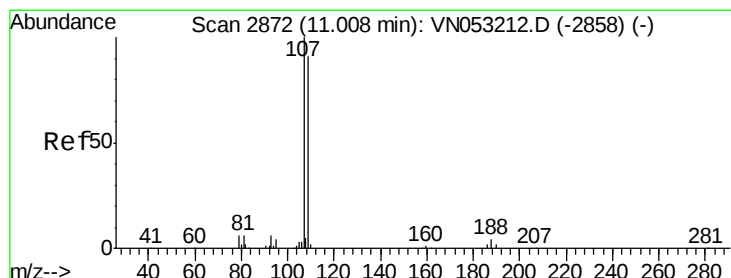
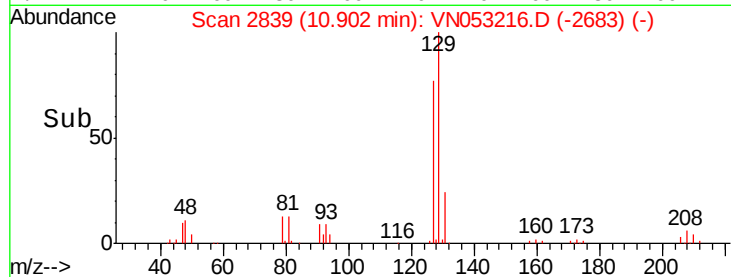
40000

20000

0

10.85 10.90 10.95

Time-->



#54

1,2-Dibromoethane

Concen: 20.002 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053216.D

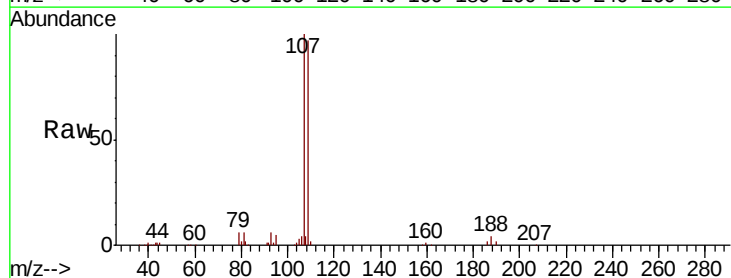
Acq: 28 Dec 2018 10:41

Tgt Ion:107 Resp: 181627

Ion Ratio Lower Upper

107 100

109 95.7 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

120000

100000

80000

60000

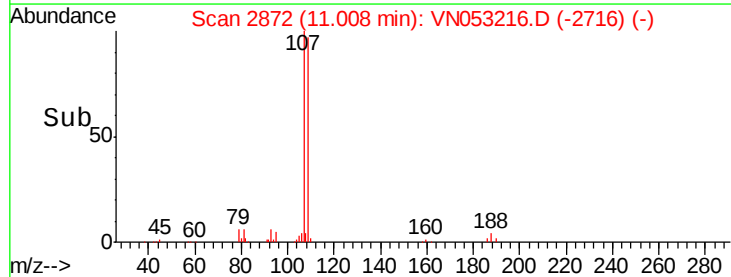
40000

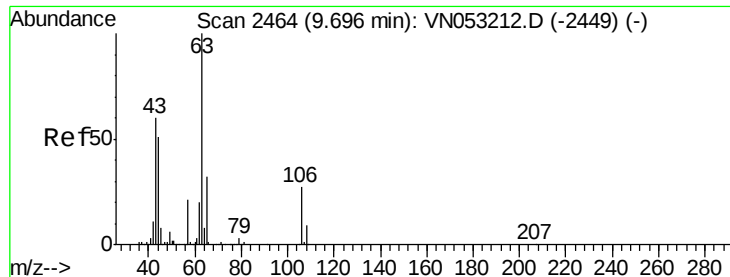
20000

0

11.00 11.10

Time-->





#55

2-Chloroethyl vinyl ether

Concen: 99.791 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Instrument :

MSVOA_N

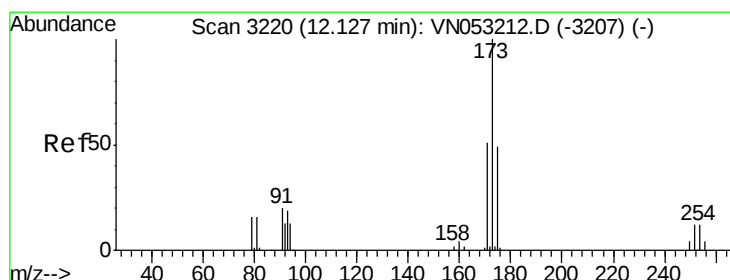
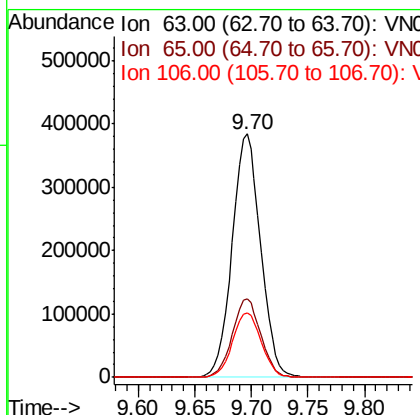
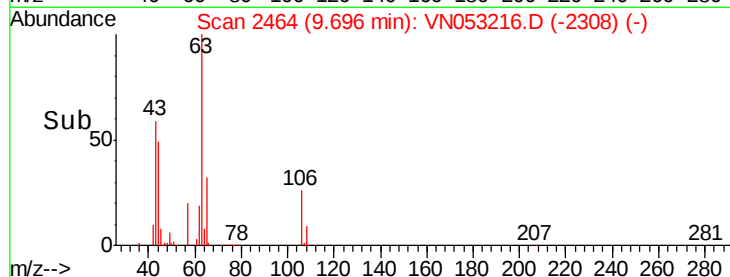
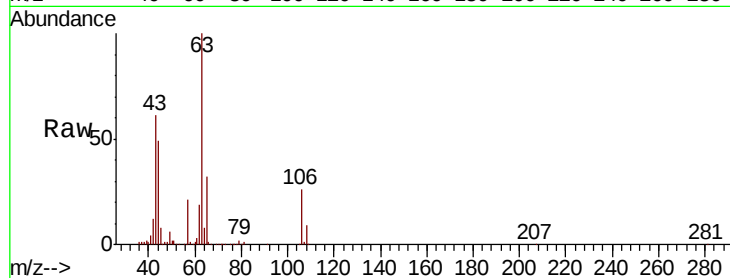
ClientSampleId :

ICVVN122818

Tot Ion:	63	Resp:	671833
Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.4	38.2
106	26.9	20.4	30.6

Manual Integrations
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#56

Bromoform

Concen: 19.486 ug/l

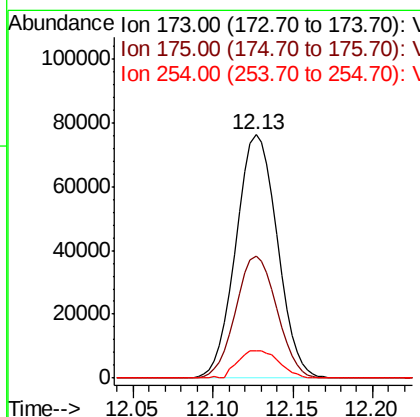
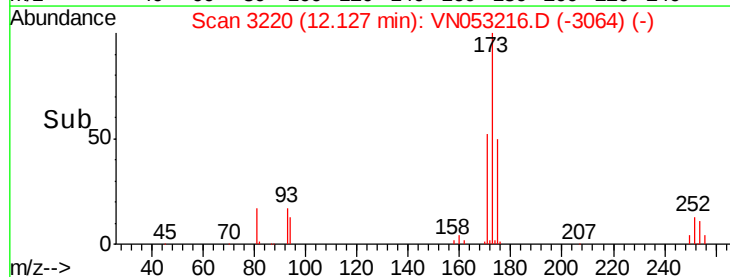
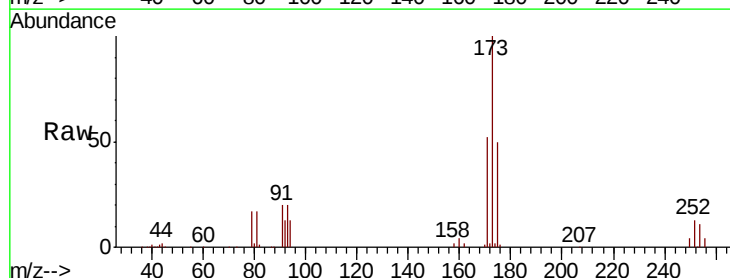
RT: 12.13 min Scan# 3220

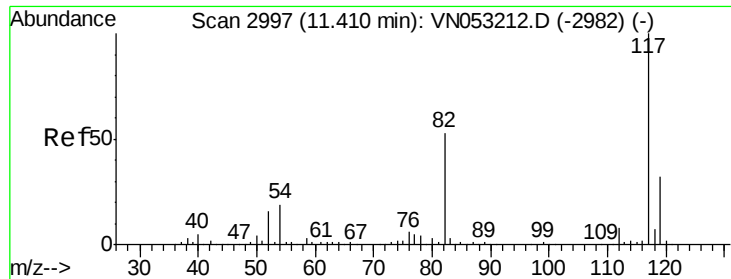
Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Tgt Ion:	173	Resp:	134759
Ion	Ratio	Lower	Upper
173	100		
175	49.9	38.7	58.1
254	11.1	8.4	12.6





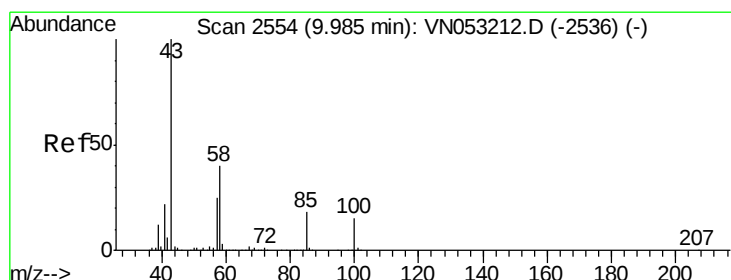
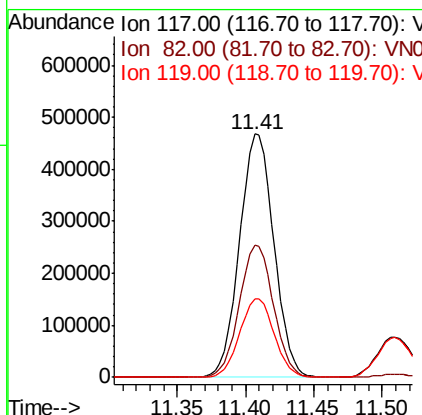
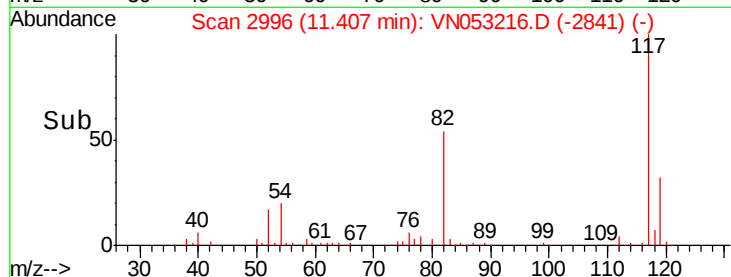
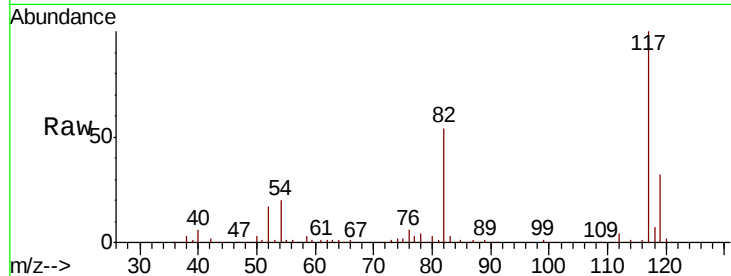
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122818

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	44.2	66.2
119	32.3	25.4	38.2

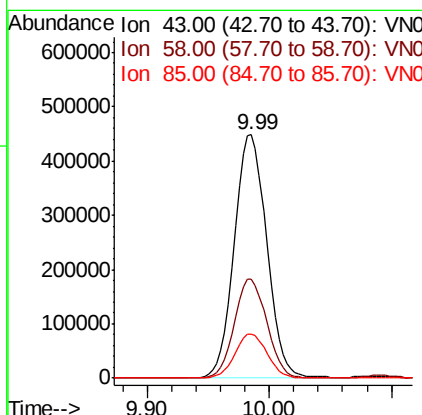
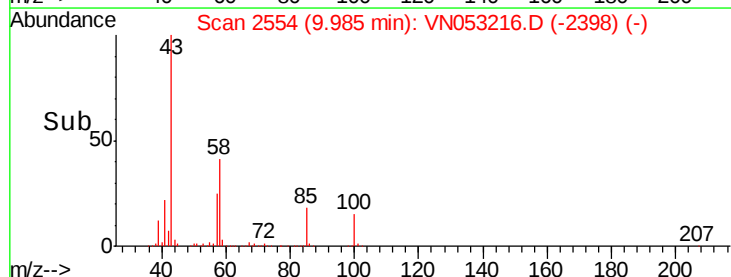
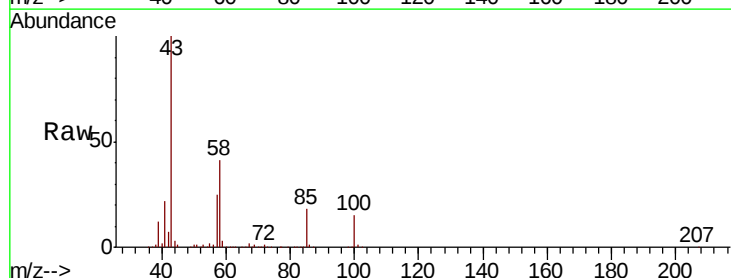
Manual Integrations
APPROVED

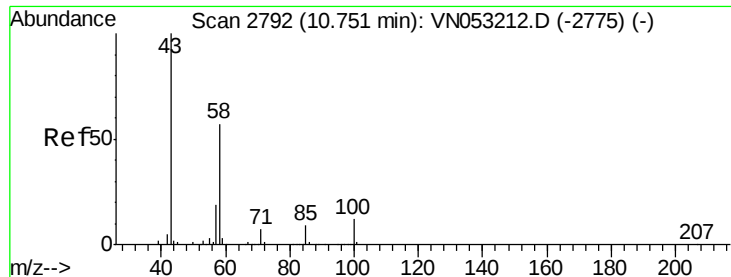
MMDadoda
1/2/2019 9:48:44 AM



#58
4-Methyl-2-Pentanone
Concen: 105.343 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.9	31.6	47.4
85	18.2	13.3	19.9





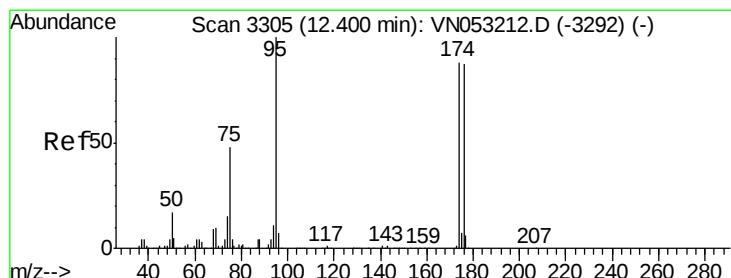
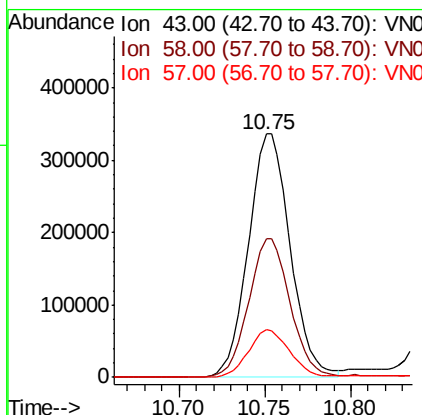
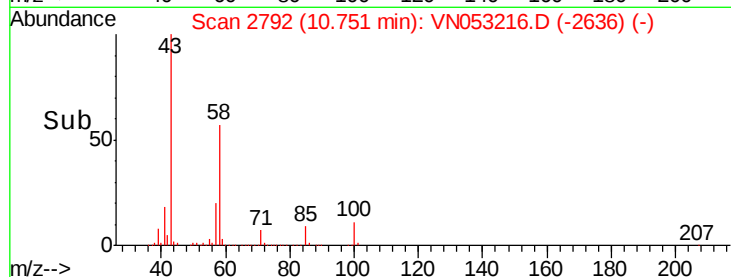
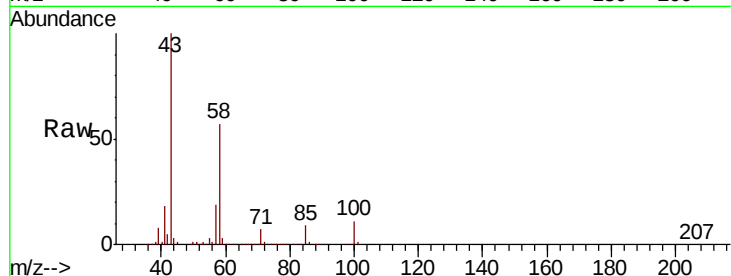
#59
2-Hexanone
Concen: 104.820 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122818

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.6	43.2	64.8
57	19.3	14.9	22.3

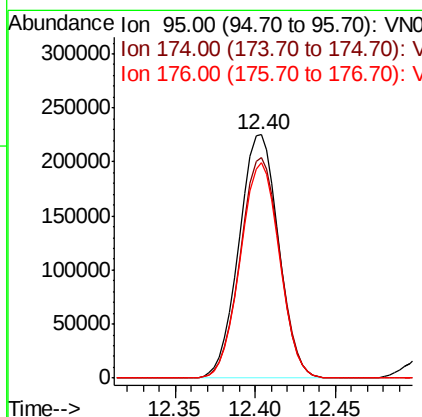
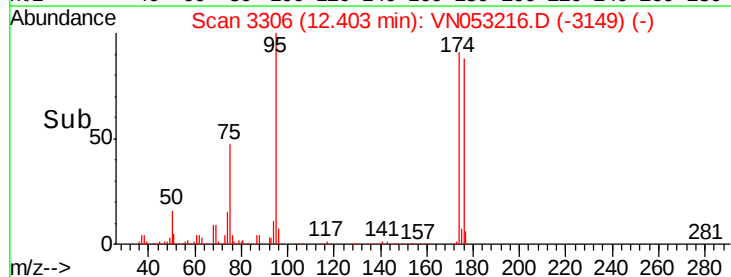
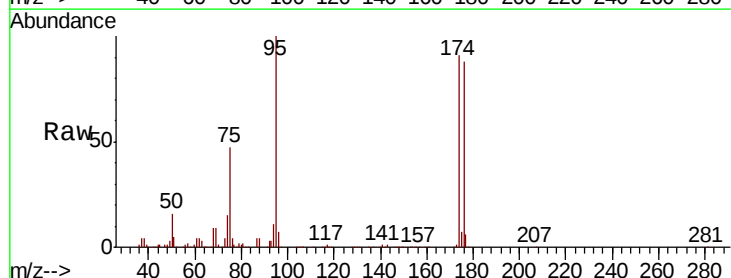
Manual Integrations
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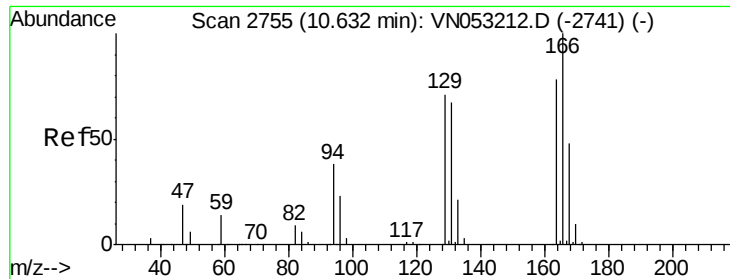
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 104.820 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.4	67.9	101.9
176	87.5	66.4	99.6





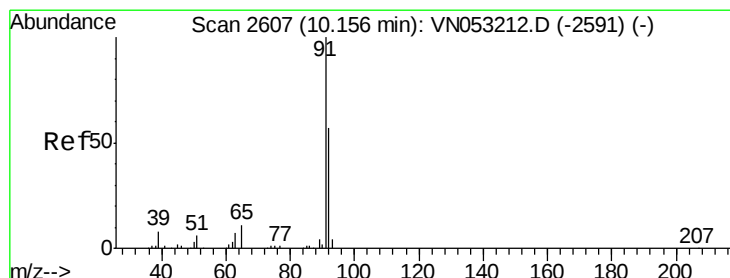
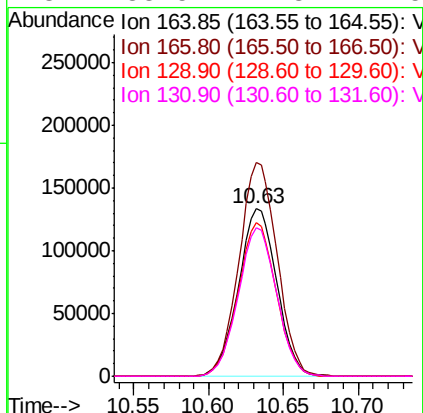
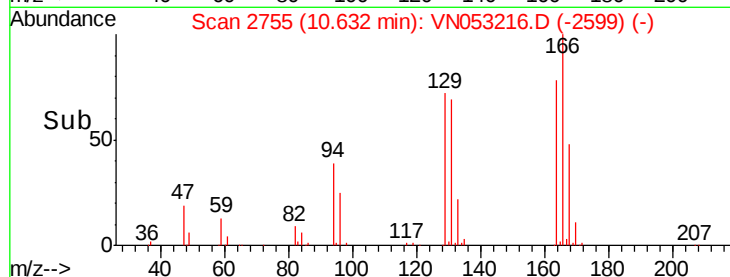
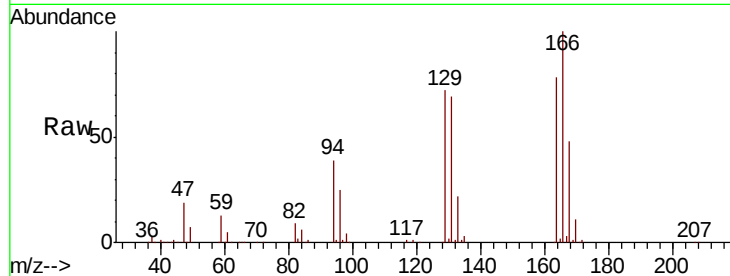
#61
Tetrachloroethene
Concen: 19.639 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122818

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.6	104.6	157.0
129	91.5	75.3	112.9
131	88.5	74.3	111.5

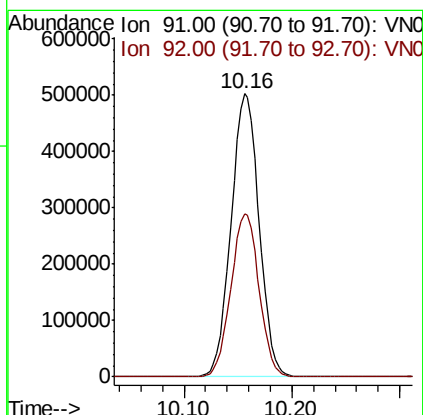
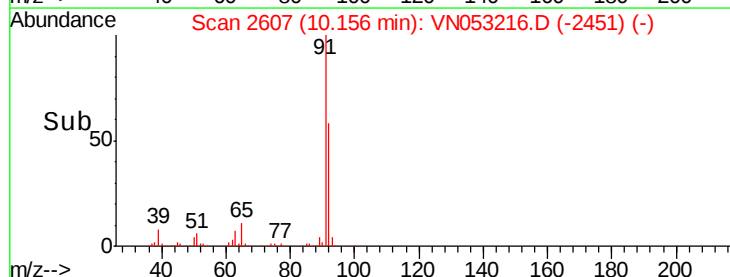
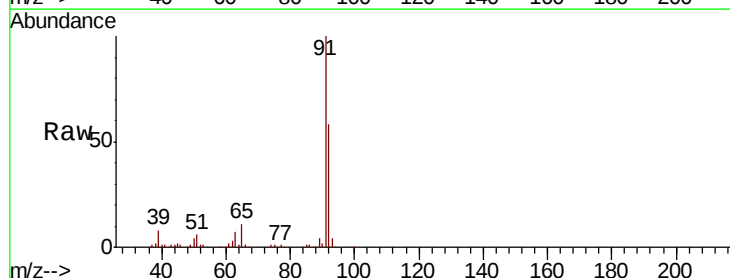
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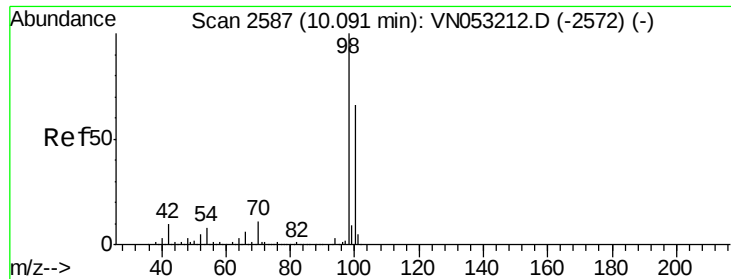
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#62
Toluene
Concen: 20.258 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.7	45.4	68.2





#63

Toluene-d8

Concen: 20.258 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN122818

Tot Ion: 98 Resp: 1118097

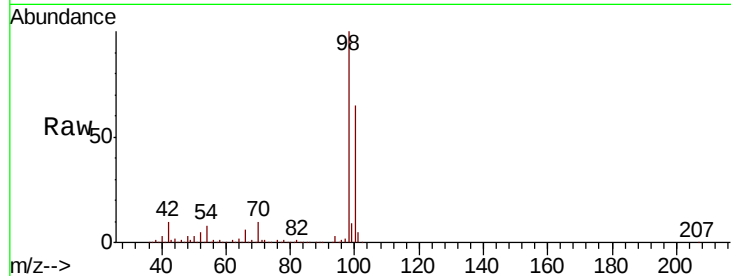
Ion Ratio Lower Upper

98 100

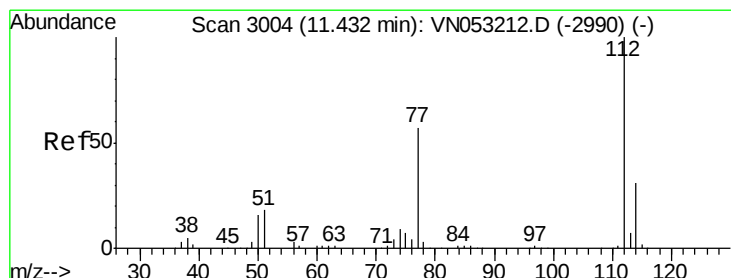
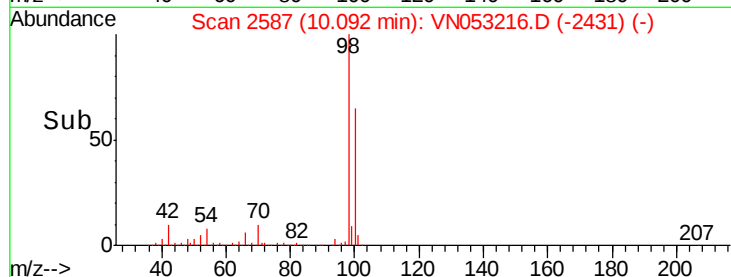
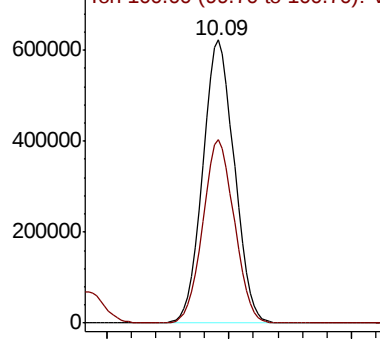
100 64.5 51.1 76.7

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Abundance Ion 98.00 (97.70 to 98.70): VN053216.D (-2572) (-)



#64

Chlorobenzene

Concen: 20.207 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053216.D

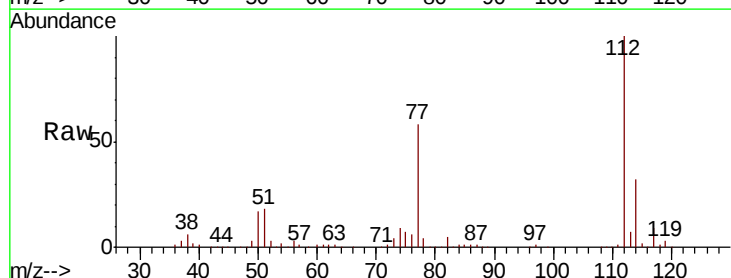
Acq: 28 Dec 2018 10:41

Tgt Ion: 112 Resp: 570628

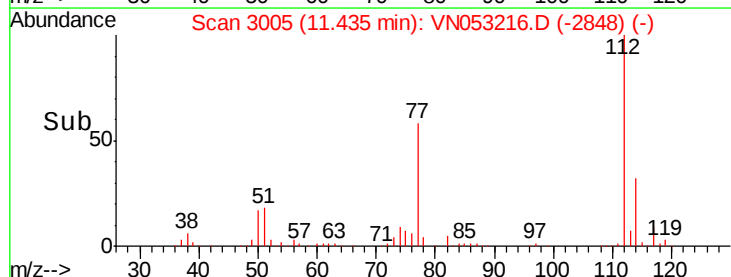
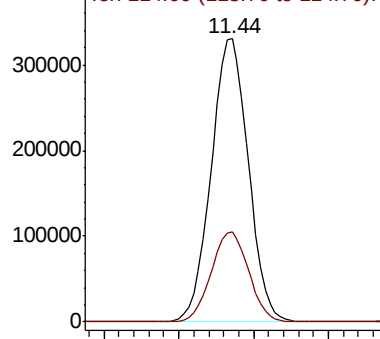
Ion Ratio Lower Upper

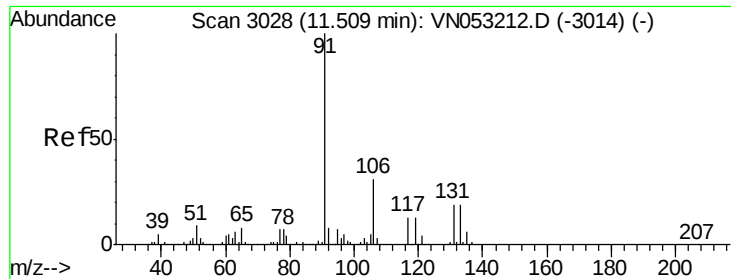
112 100

114 31.7 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN053216.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 19.965 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Instrument :

MSVOA_N

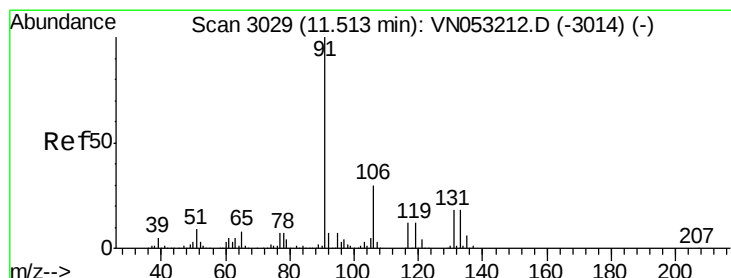
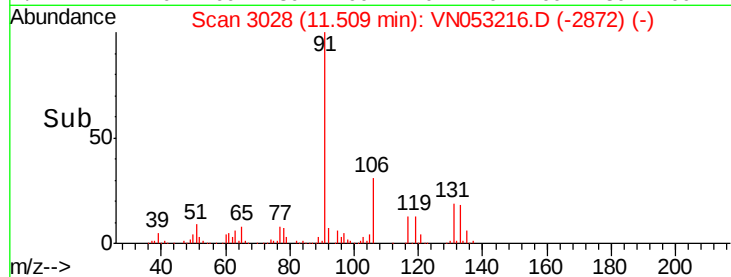
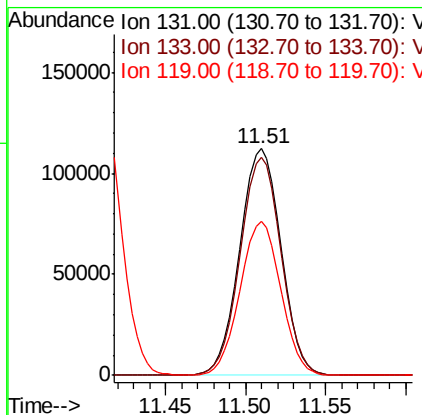
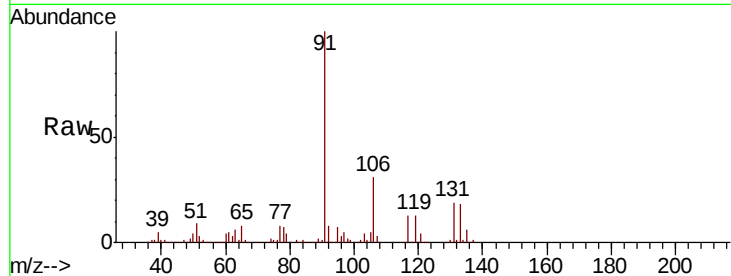
ClientSampleId :

ICVVN122818

Tot Ion:	131	Resp:	197772
Ion Ratio	Lower	Upper	
131	100		
133	95.6	0.0	193.4
119	67.1	0.0	133.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.263 ug/l

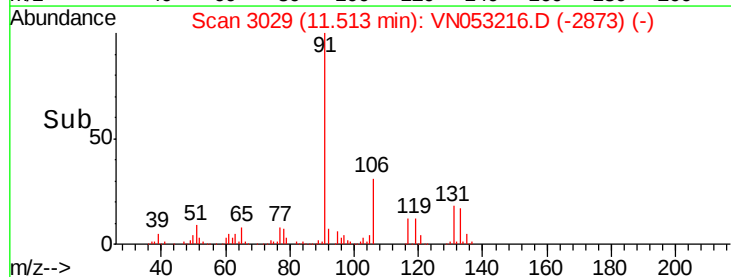
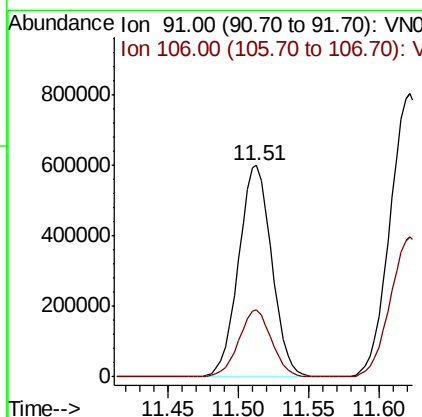
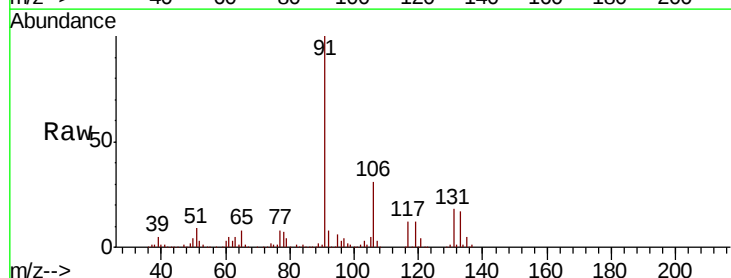
RT: 11.51 min Scan# 3029

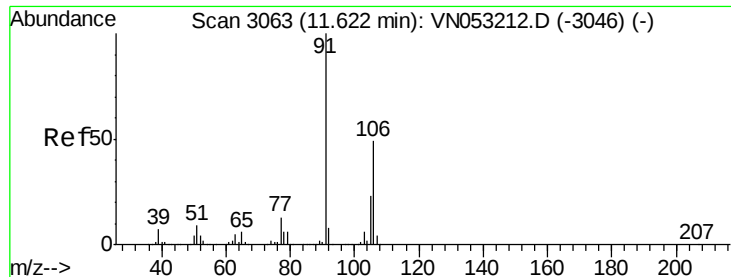
Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Tgt Ion:	91	Resp:	988847
Ion Ratio	Lower	Upper	
91	100		
106	31.5	24.3	36.5





#67

m/p-Xylenes

Concen: 40.888 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Instrument :

MSVOA_N

ClientSampled :

ICVVN122818

Tot Ion:106 Resp: 754663

Ion Ratio Lower Upper

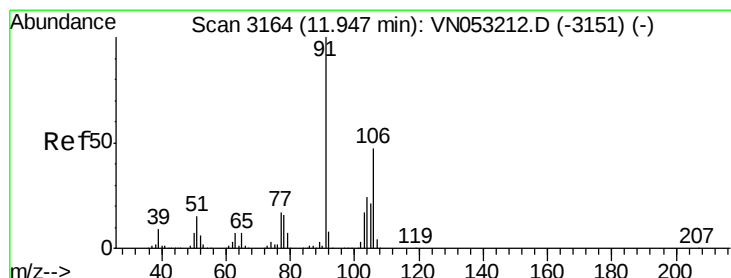
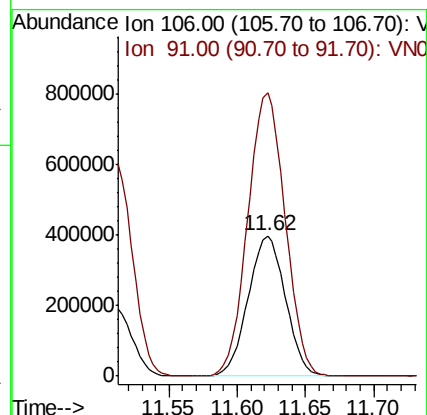
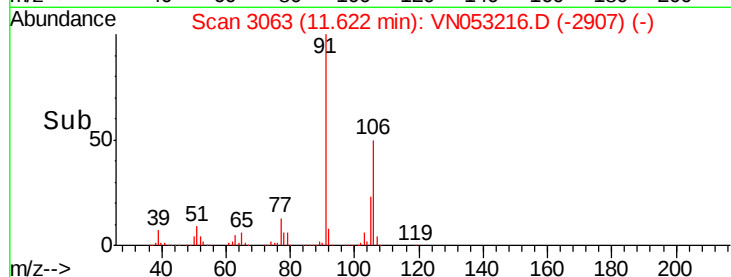
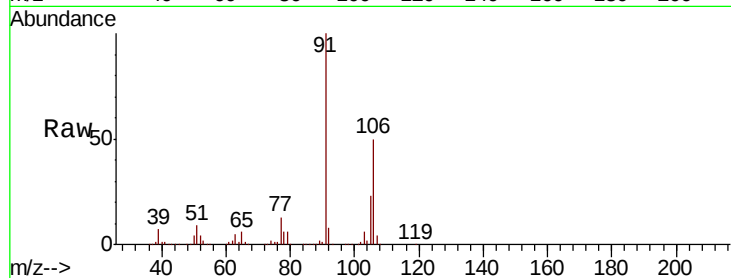
106 100

91 202.7 163.9 245.9

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#68

o-Xylene

Concen: 20.510 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN053216.D

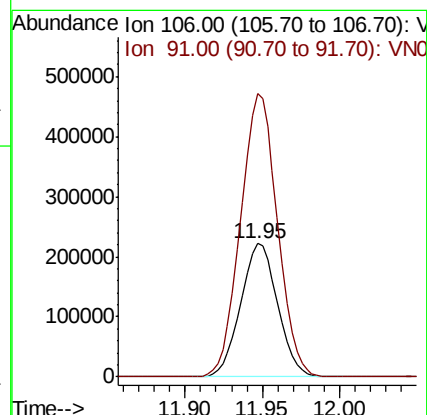
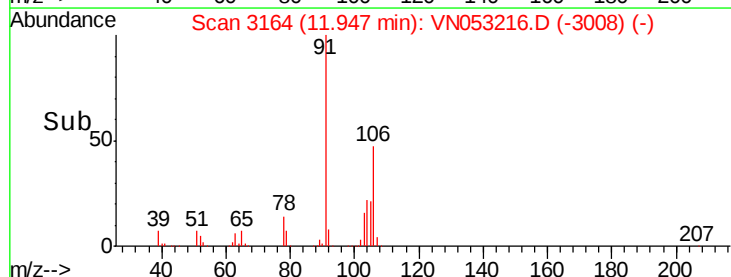
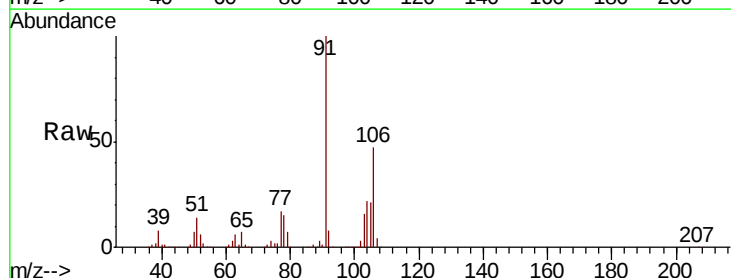
Acq: 28 Dec 2018 10:41

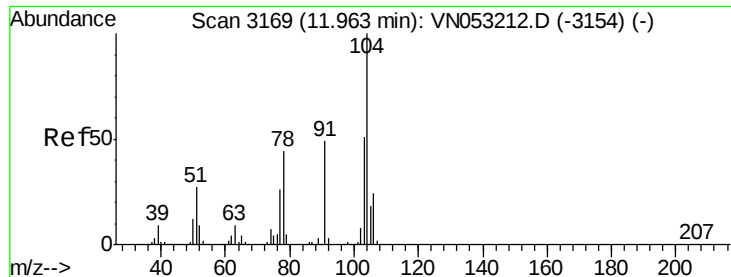
Tgt Ion:106 Resp: 366819

Ion Ratio Lower Upper

106 100

91 212.9 107.8 323.4





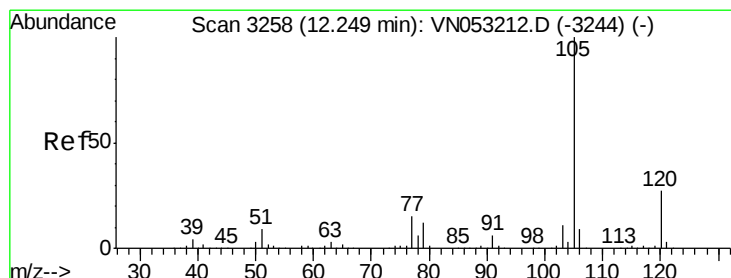
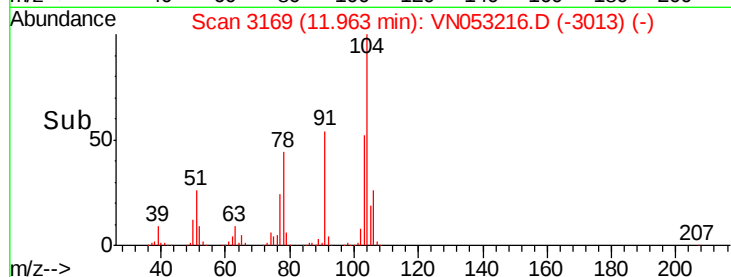
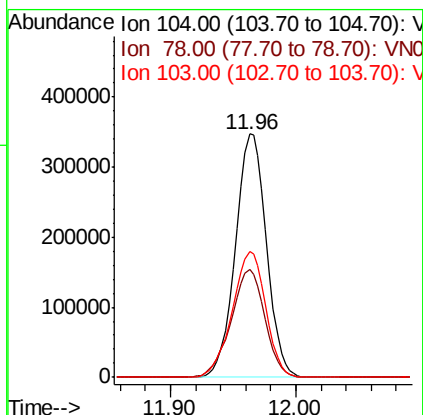
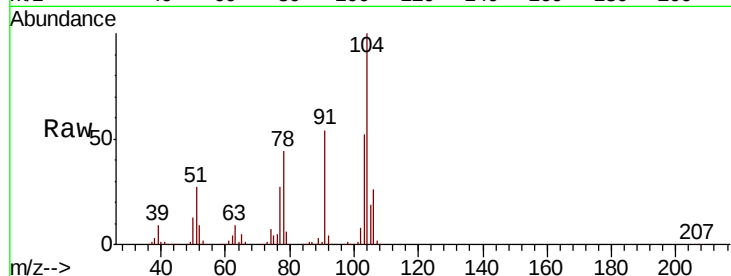
#69
Stvrene
Concen: 20.424 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Instrument :
MSVOA_N
ClientSampled :
ICVVN122818

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.4	39.3	58.9
103	55.7	44.6	66.8

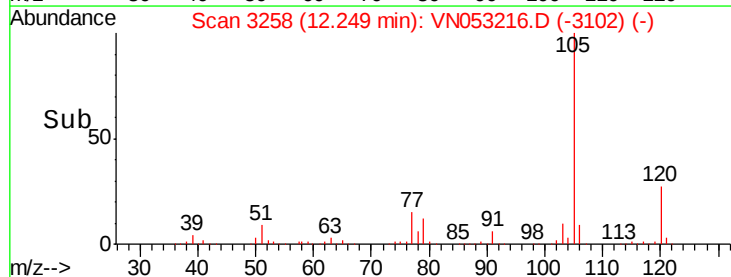
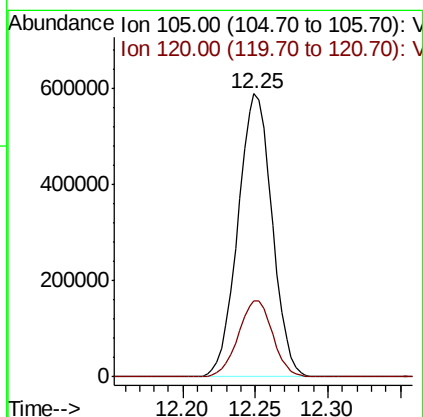
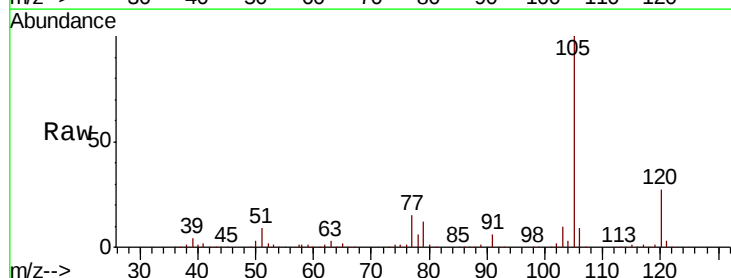
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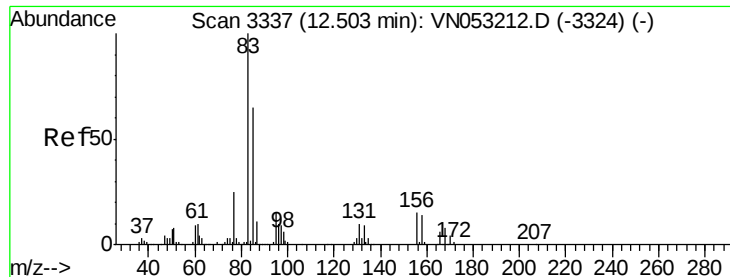
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#70
Isopropylbenzene
Concen: 20.466 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	18.6	34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 21.699 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Instrument :

MSVOA_N

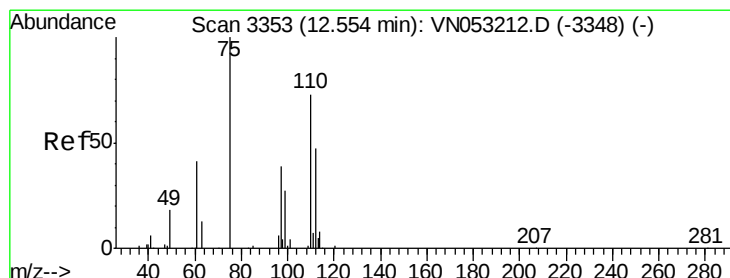
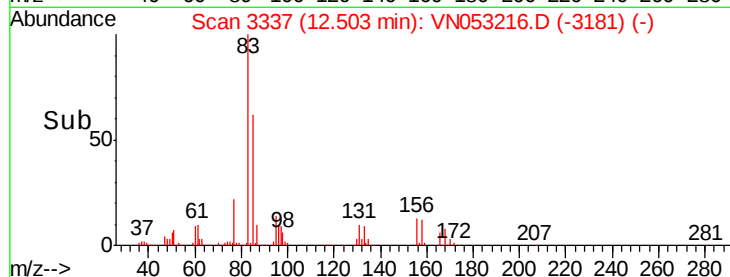
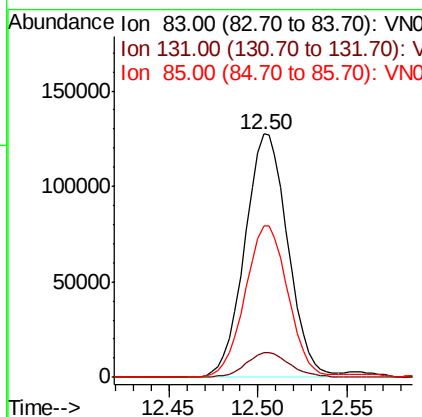
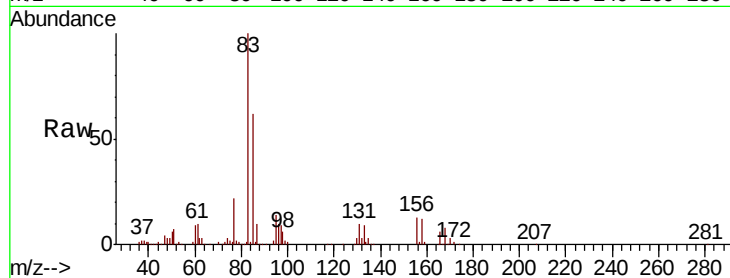
ClientSampleId :

ICVVN122818

Tot Ion:	83	Resp:	214949
Ion Ratio	Lower	Upper	
83	100		
131	10.5	4.9	14.6
85	62.4	32.2	96.6

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#72

1,2,3-Trichloropropane

Concen: 19.629 ug/l m

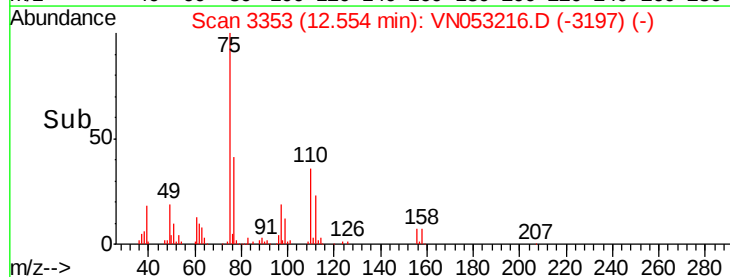
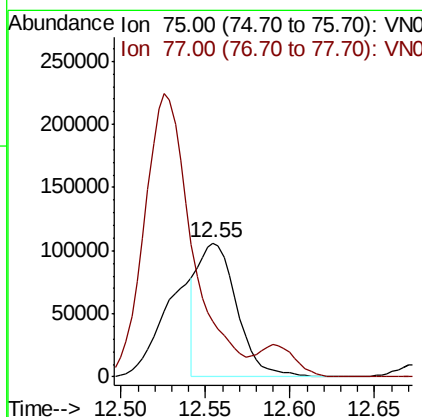
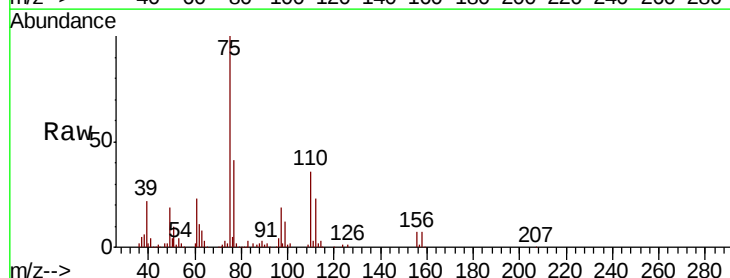
RT: 12.55 min Scan# 3353

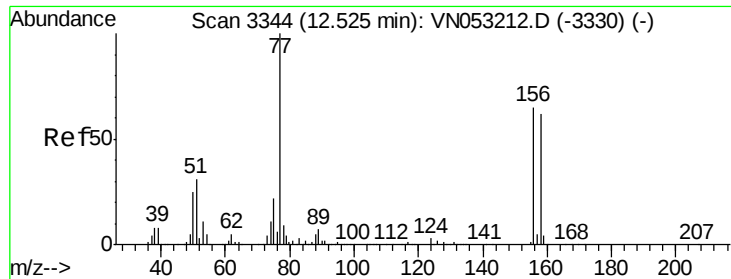
Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Tgt Ion:	75	Resp:	170269
Ion Ratio	Lower	Upper	
75	100		
77	259.0	0.0	514.8





#73

Bromobenzene

Concen: 20.831 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Instrument :

MSVOA_N

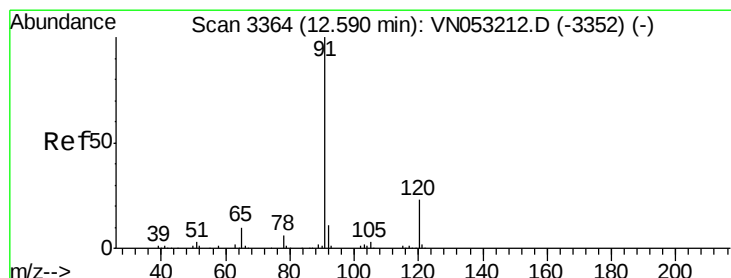
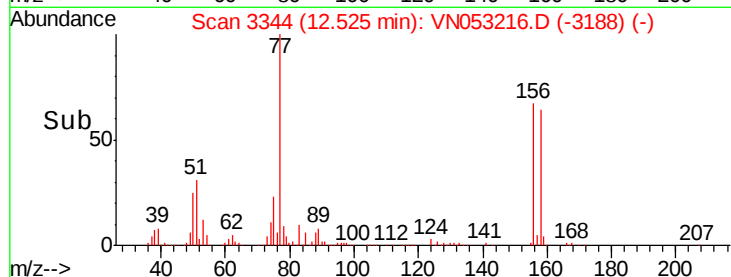
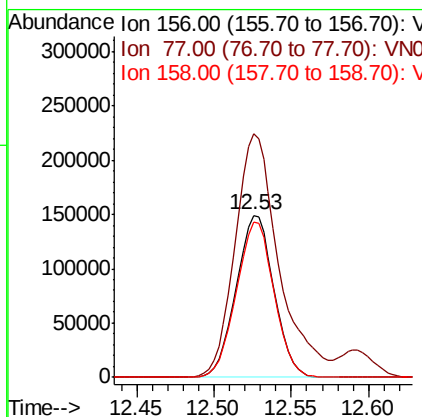
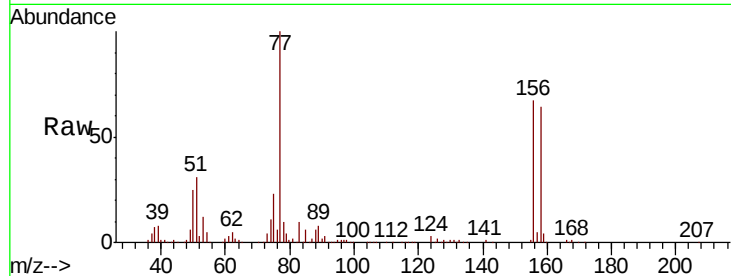
ClientSampleId :

ICVVN122818

Tot Ion:	156	Resp:	251974
Ion Ratio	Lower	Upper	
156	100		
77	175.0	0.0	382.6
158	96.4	0.0	196.8

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#74

n-propylbenzene

Concen: 20.541 ug/l

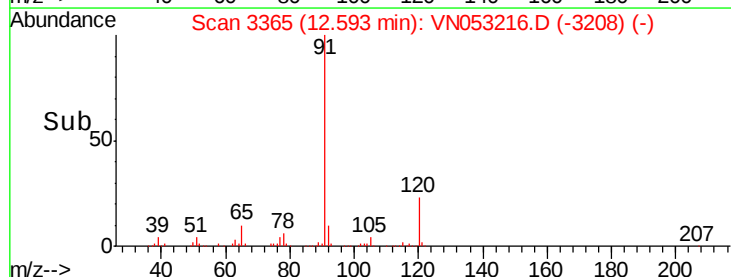
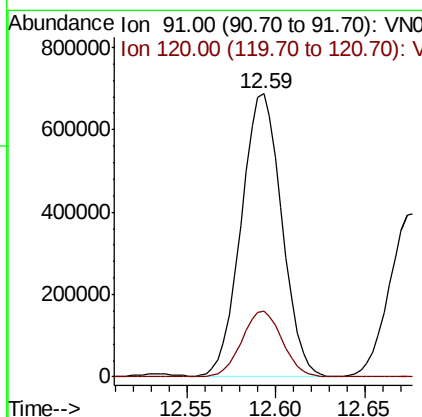
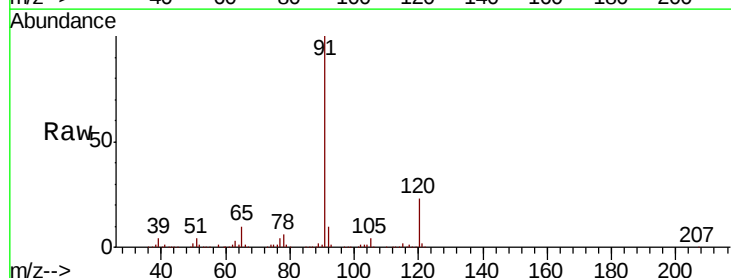
RT: 12.59 min Scan# 3365

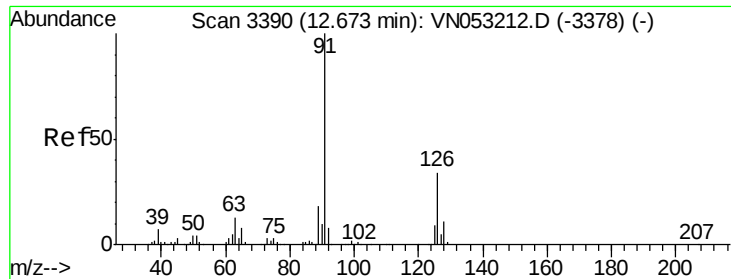
Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Tgt Ion:	91	Resp:	1094186
Ion Ratio	Lower	Upper	
91	100		
120	23.2	0.0	44.6





#75

2-Chlorotoluene

Concen: 20.592 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN122818

Tot Ion: 91 Resp: 649623

Ion Ratio Lower Upper

91 100

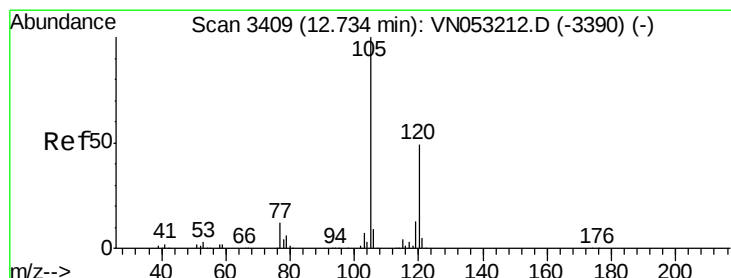
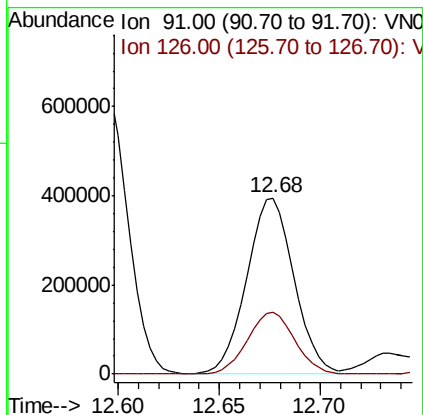
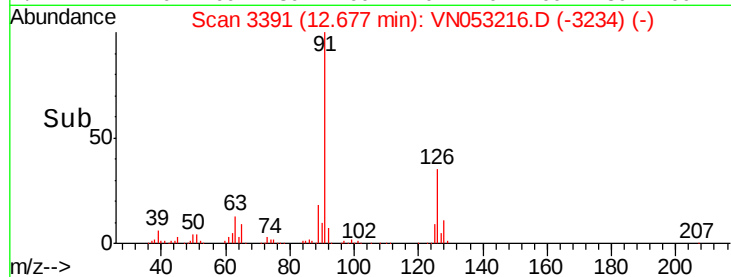
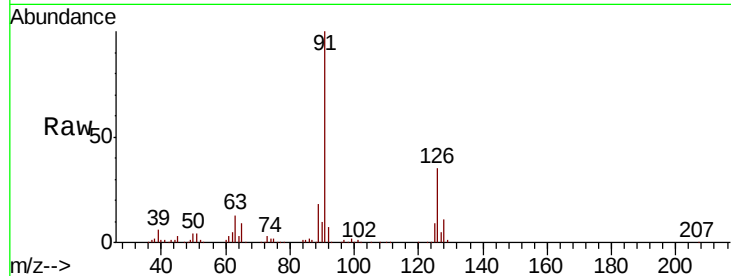
126 35.2 0.0 68.4

Manual Integrations

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1/2/2019 9:48:44 AM



#76

1,3,5-Trimethylbenzene

Concen: 20.664 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053216.D

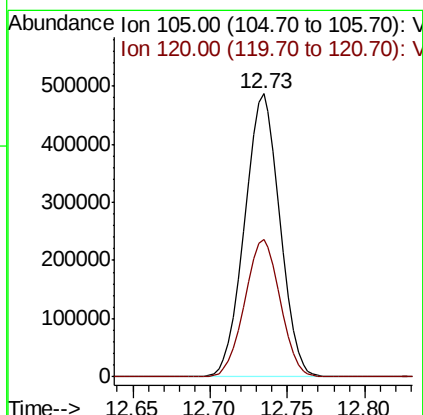
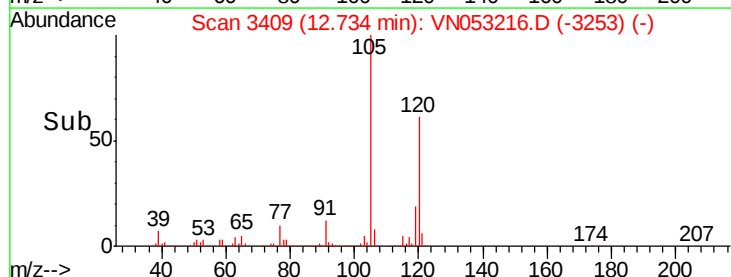
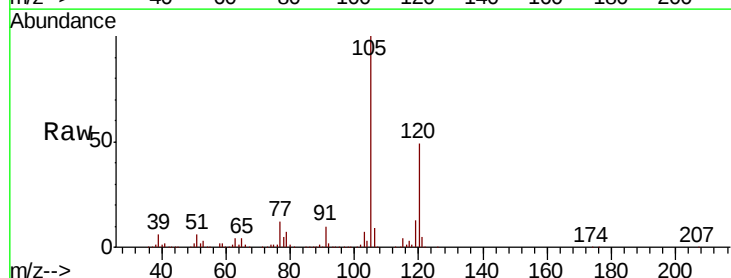
Acq: 28 Dec 2018 10:41

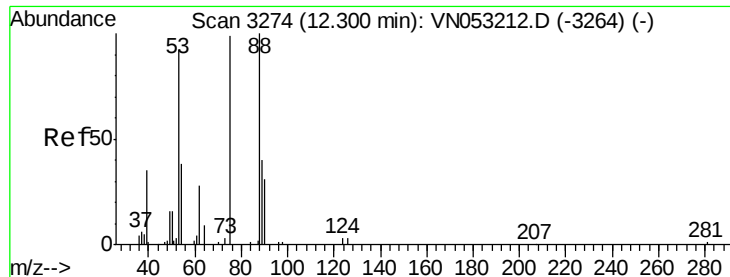
Tgt Ion: 105 Resp: 771362

Ion Ratio Lower Upper

105 100

120 48.9 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 19.766 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Instrument :

MSVOA_N

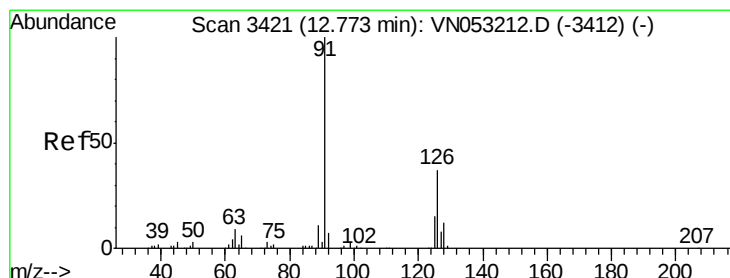
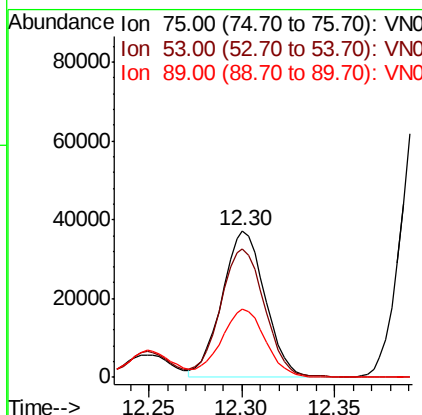
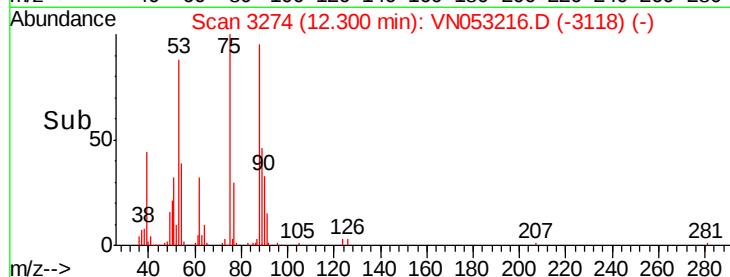
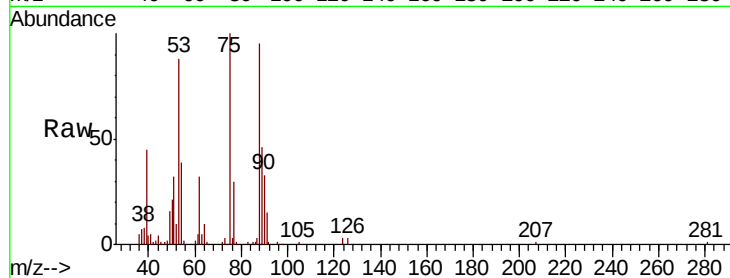
ClientSampleId :

ICVVN122818

Tot Ion:	75	Resp:	60246
Ion	Ratio	Lower	Upper
75	100		
53	88.1	48.5	145.6
89	46.6	21.7	65.1

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#78

4-Chlorotoluene

Concen: 20.771 ug/l

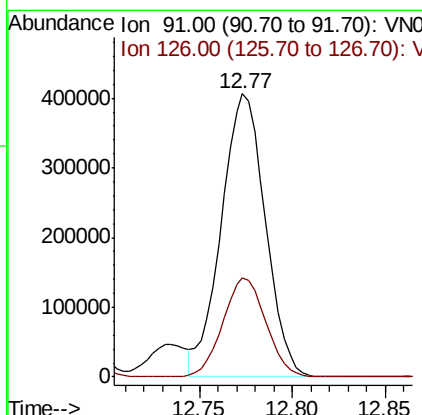
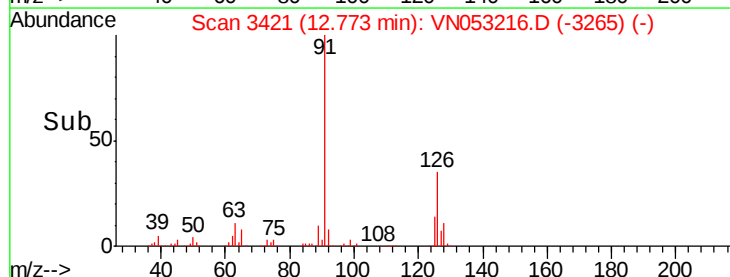
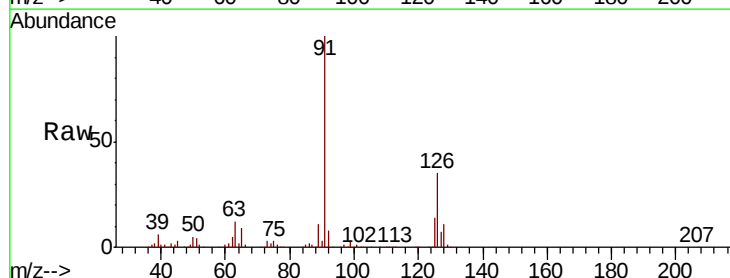
RT: 12.77 min Scan# 3421

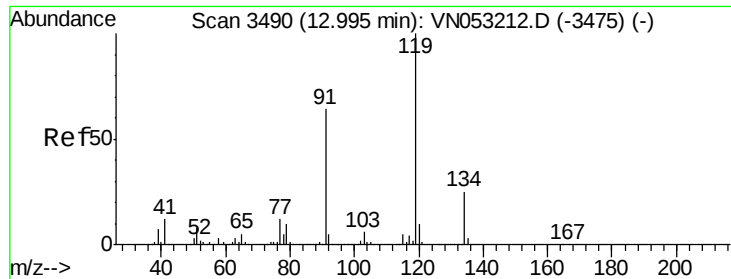
Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Tgt Ion:	91	Resp:	667034
Ion	Ratio	Lower	Upper
91	100		
126	34.2	0.0	68.2





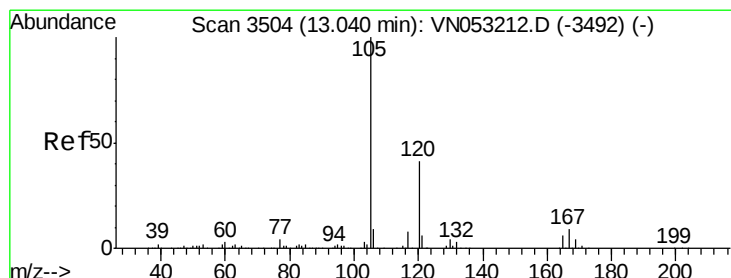
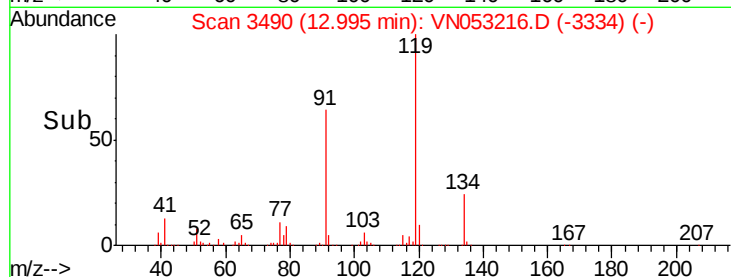
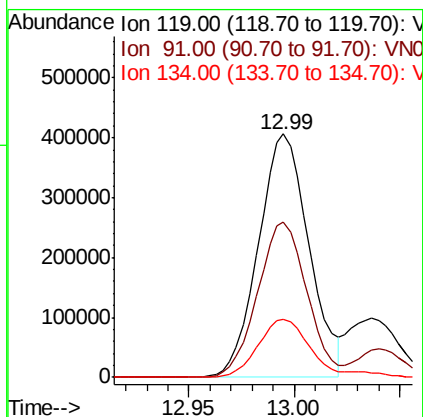
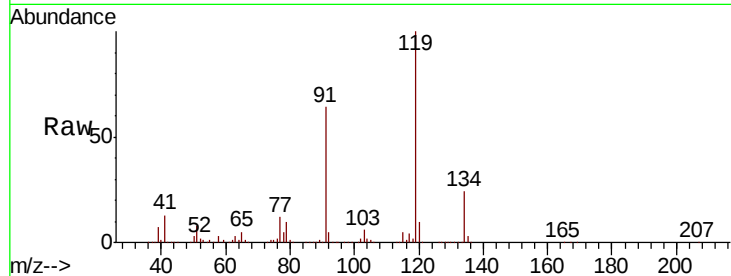
#79
tert-butylbenzene
Concen: 20.799 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Instrument :
MSVOA_N
ClientSampled :
ICVVN122818

Tot Ion	Ratio	Resp	Lower	Upper
119	100	677120		
91	62.6	0.0	129.8	
134	24.0	0.0	52.2	

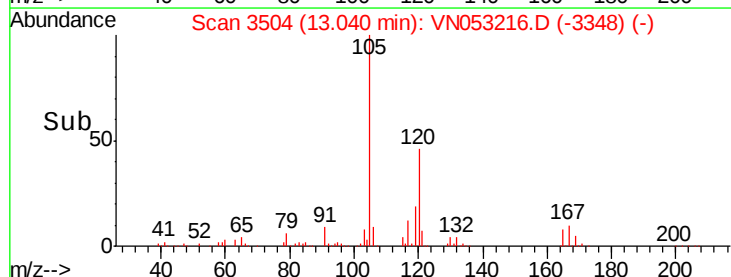
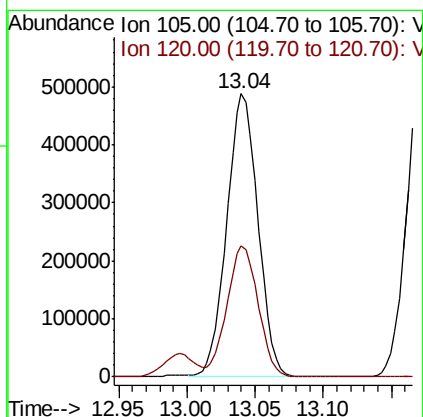
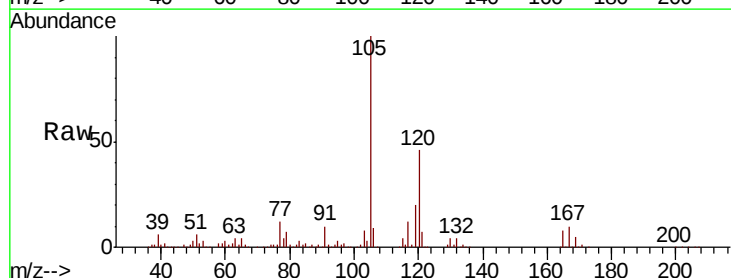
Manual Integrations
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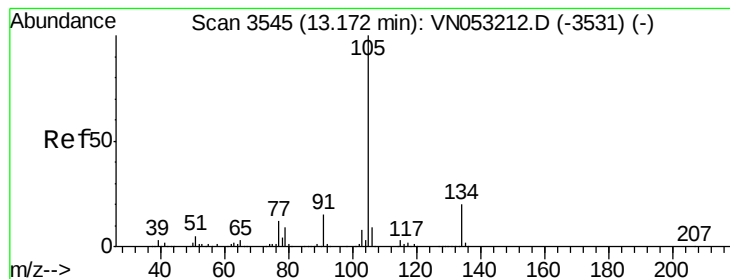
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#80
1,2,4-Trimethylbenzene
Concen: 20.742 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	776010		
120	46.6	0.0	91.0	





#81

sec-Butylbenzene

Concen: 20.810 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN122818

Tot Ion:105 Resp: 897089

Ion Ratio Lower Upper

105 100

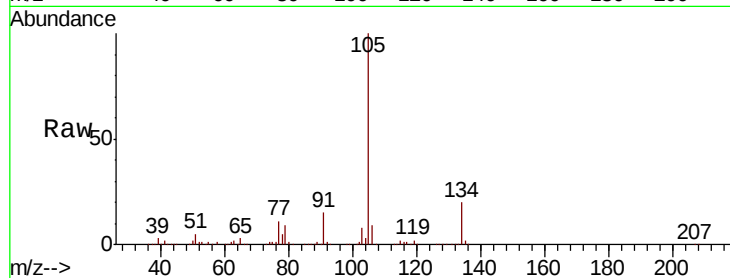
134 20.5 0.0 40.4

Manual Integrations

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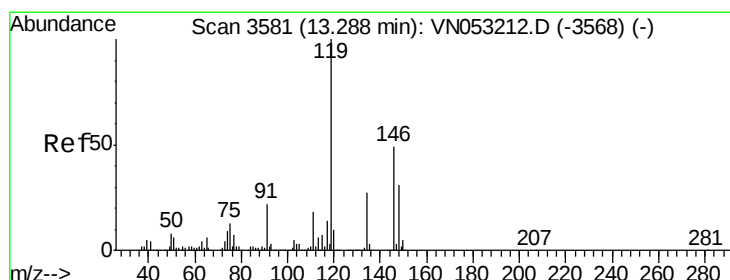
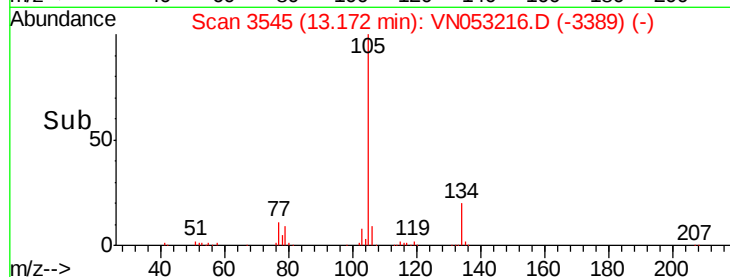
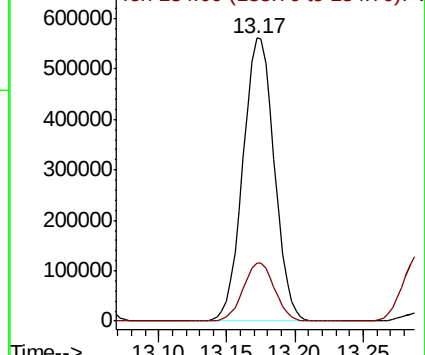
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 20.962 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

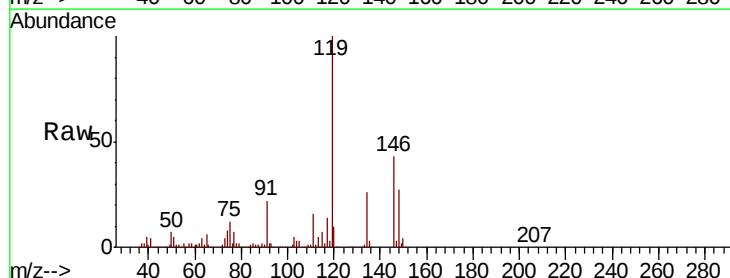
Tgt Ion:119 Resp: 780872

Ion Ratio Lower Upper

119 100

134 26.3 0.0 52.6

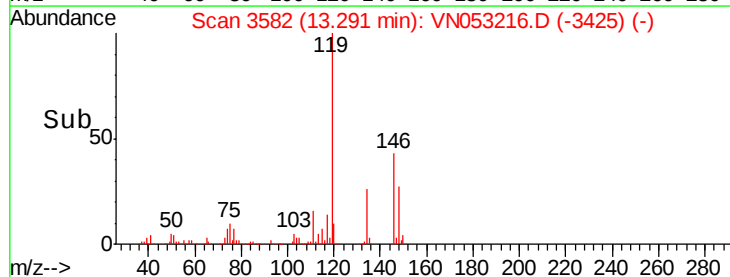
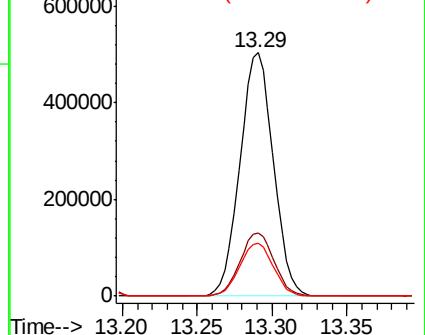
91 21.9 0.0 46.2

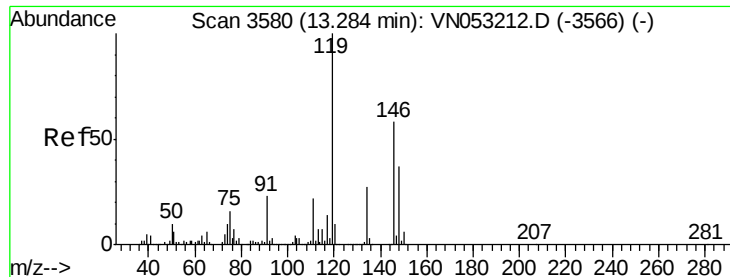


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





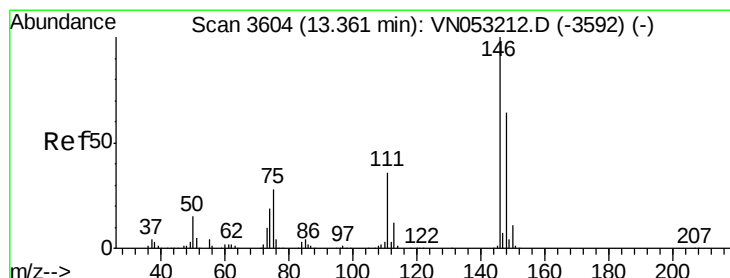
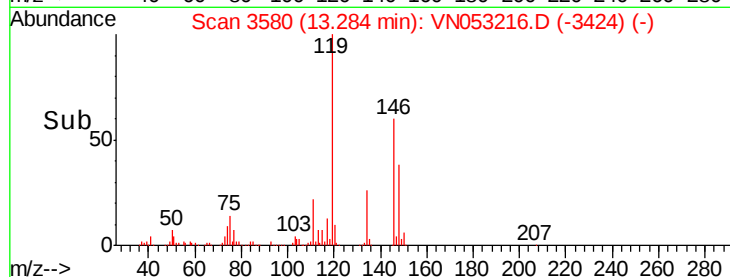
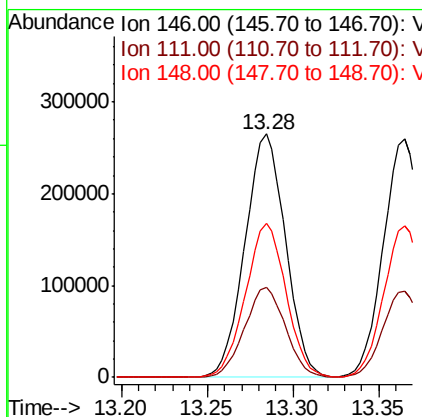
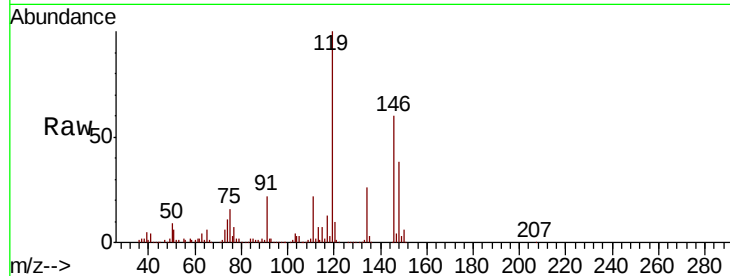
#83
1,3-Dichlorobenzene
Concen: 21.051 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122818

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.7	59.0
148	63.2	32.3	96.8

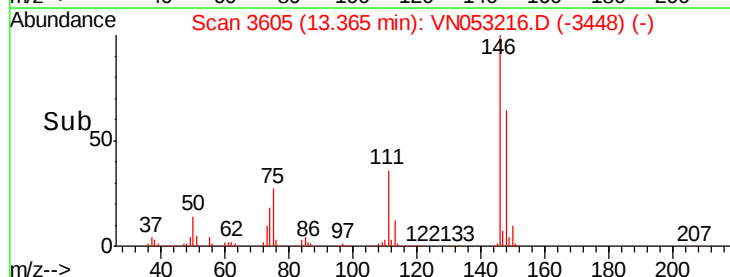
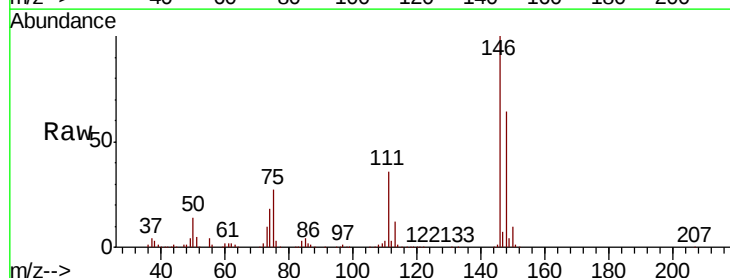
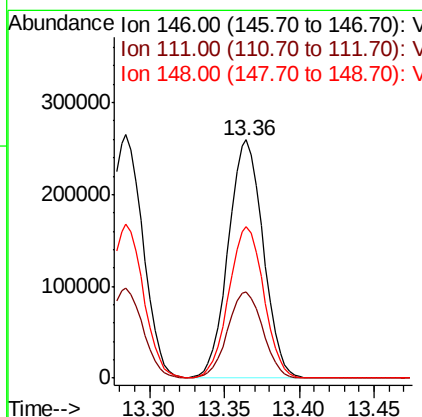
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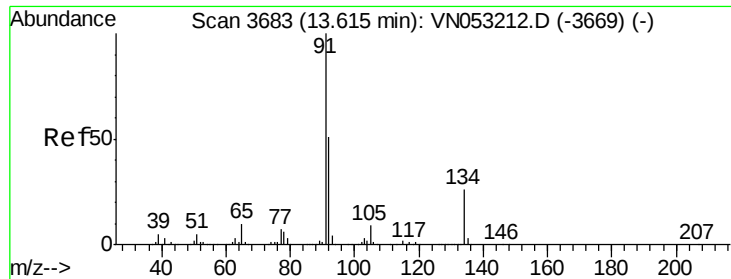
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#84
1,4-Dichlorobenzene
Concen: 20.994 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.8	56.3
148	63.9	32.5	97.4





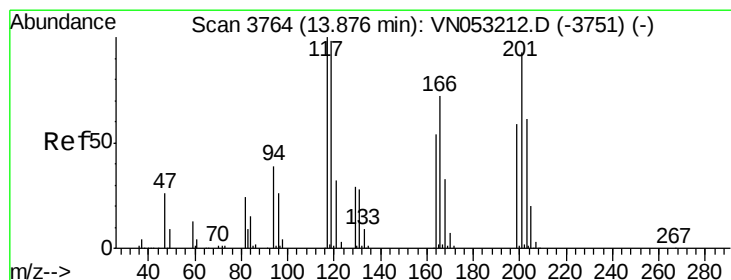
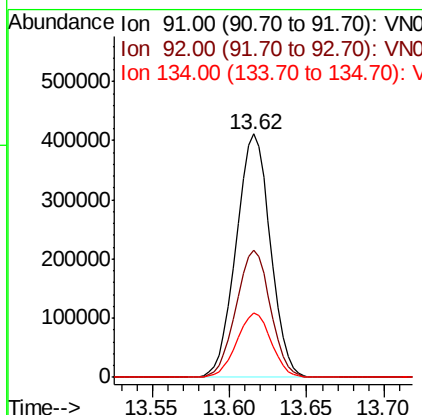
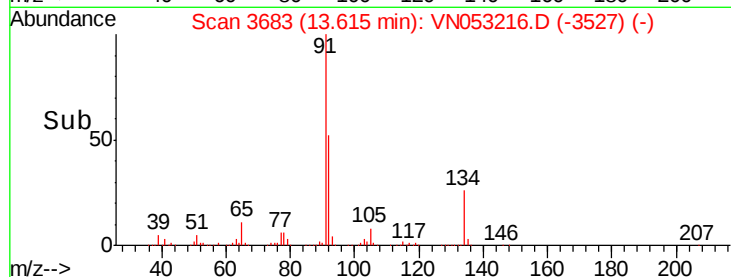
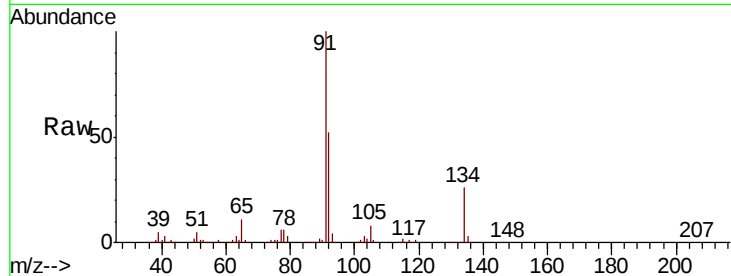
#85
n-Butylbenzene
Concen: 20.854 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122818

Tot Ion	Ratio	Resp	Lower	Upper
91	100	631726		
92	52.5	0.0	104.2	
134	26.6	0.0	50.6	

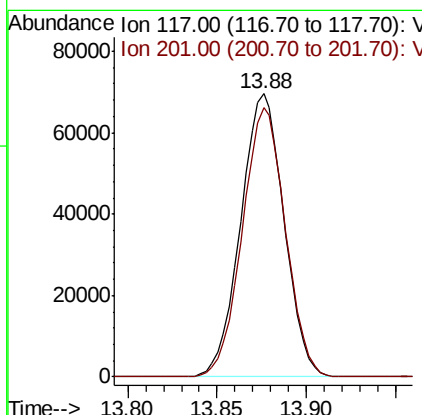
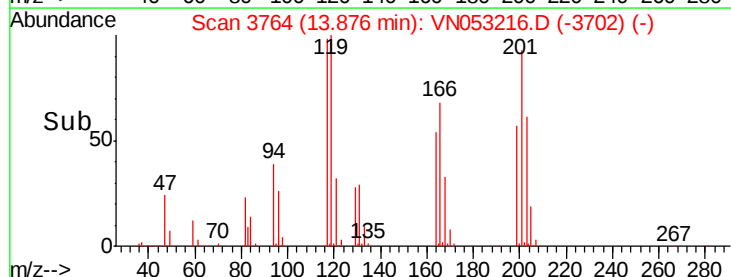
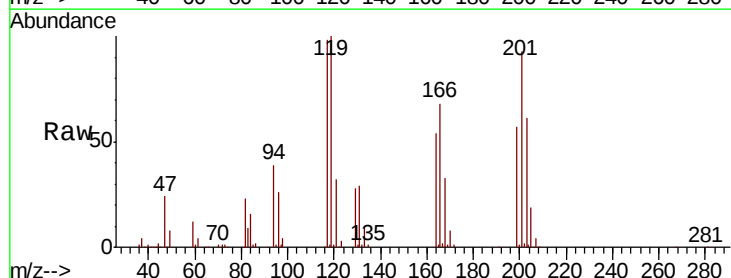
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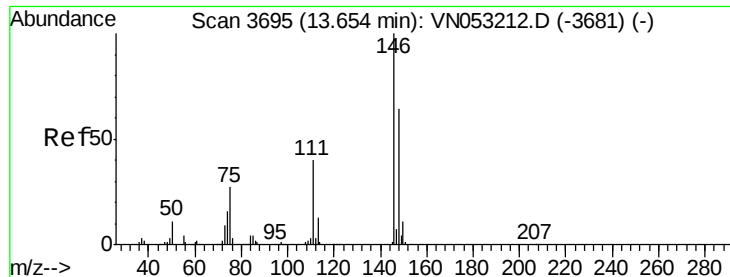
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#86
Hexachloroethane
Concen: 19.940 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	118594		
201	94.0	43.8	131.3	





#87

1,2-Dichlorobenzene

Concen: 21.249 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Instrument :

MSVOA_N

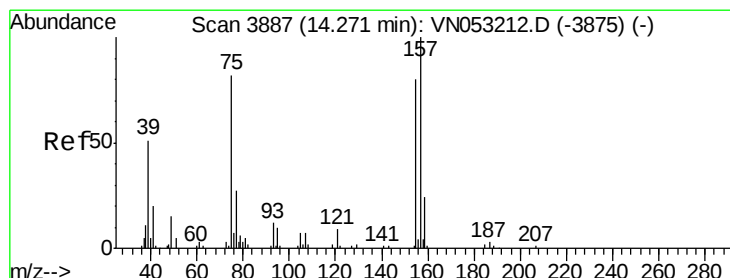
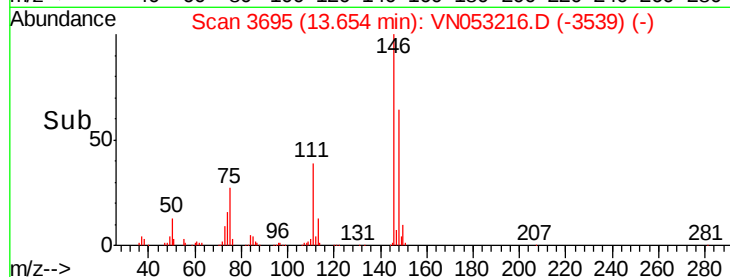
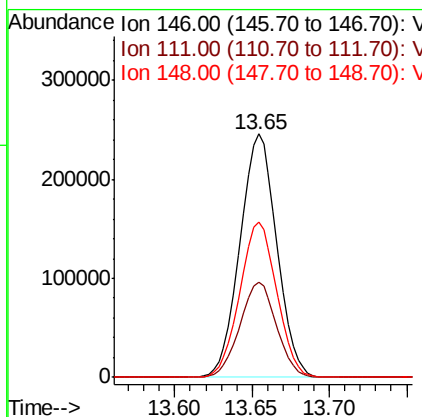
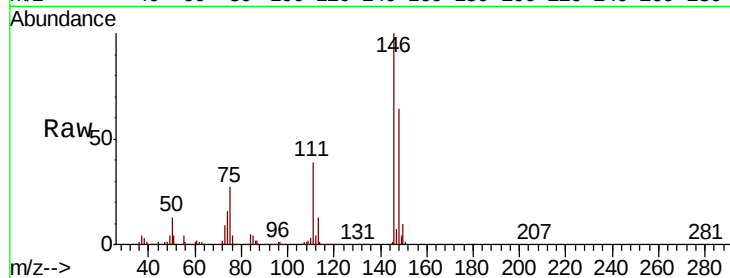
ClientSampleId :

ICVVN122818

Tot Ion:	146	Resp:	406652
Ion Ratio		Lower	Upper
146	100		
111	38.8	20.3	60.8
148	64.2	32.1	96.5

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#88

1,2-Dibromo-3-Chloropropane

Concen: 21.137 ug/l

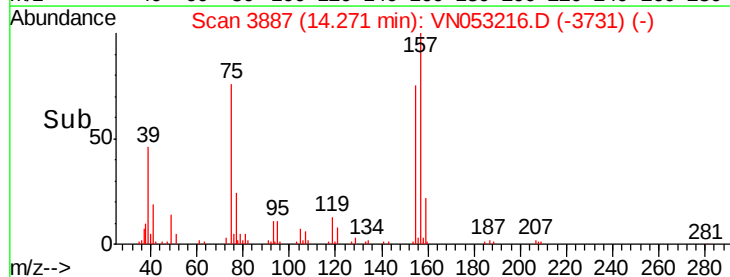
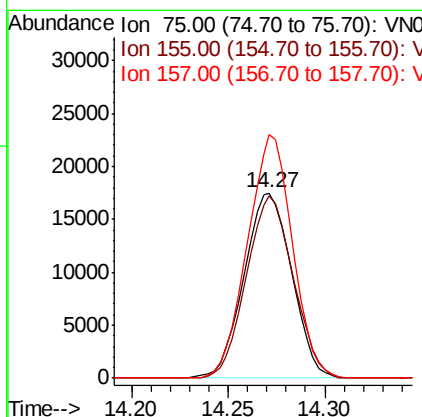
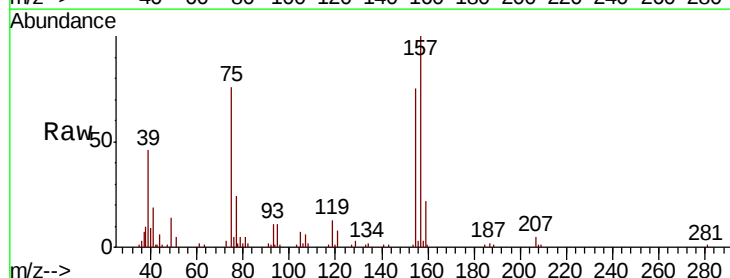
RT: 14.27 min Scan# 3887

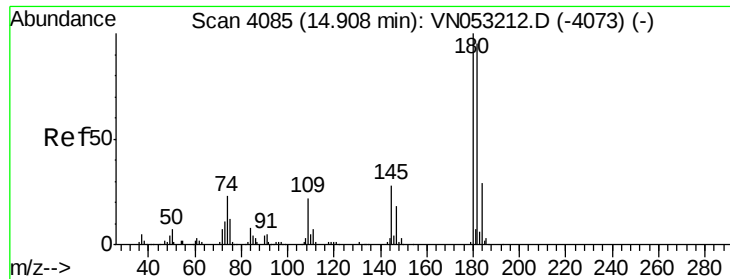
Delta R.T. 0.00 min

Lab File: VN053216.D

Acq: 28 Dec 2018 10:41

Tgt Ion:	75	Resp:	29944
Ion Ratio		Lower	Upper
75	100		
155	96.7	72.2	108.2
157	124.3	94.2	141.2





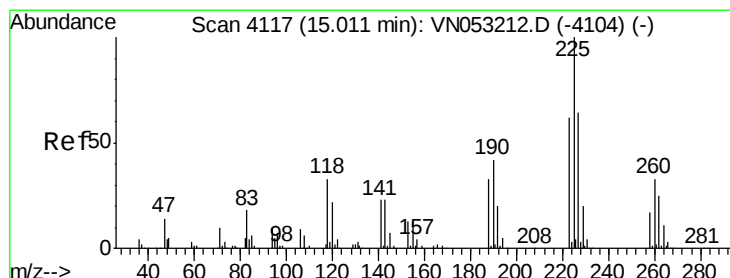
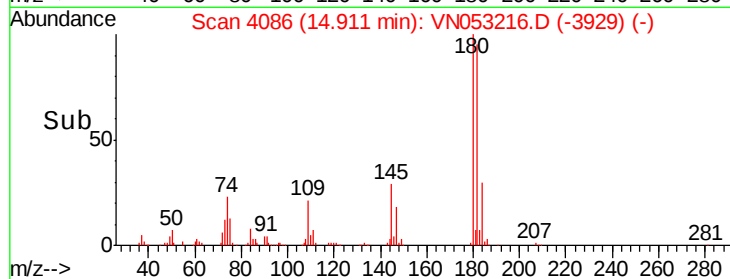
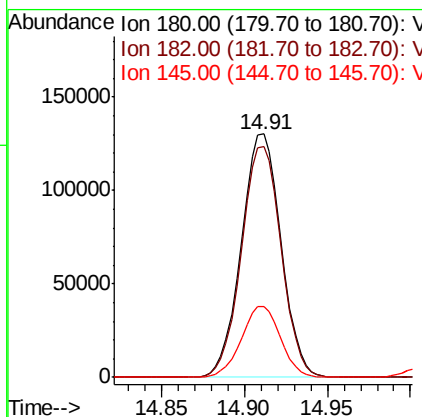
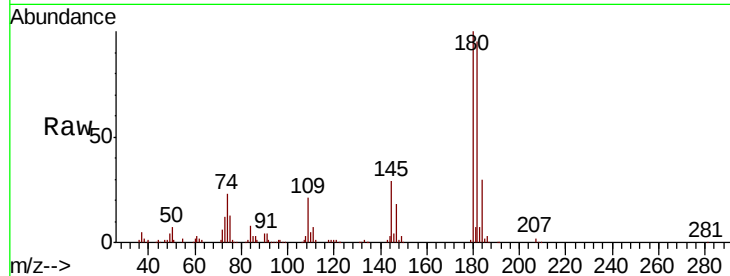
#89
 1,2,4-Trichlorobenzene
 Concen: 23.336 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053216.D
 Acq: 28 Dec 2018 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN122818

Tot Ion	Ratio	Resp	Lower	Upper
180	100	216754		
182	95.1	76.6	114.8	
145	28.7	23.6	35.4	

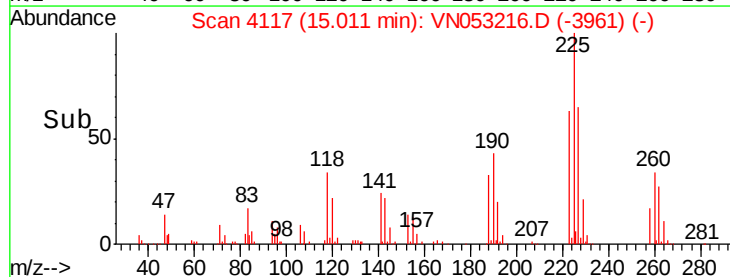
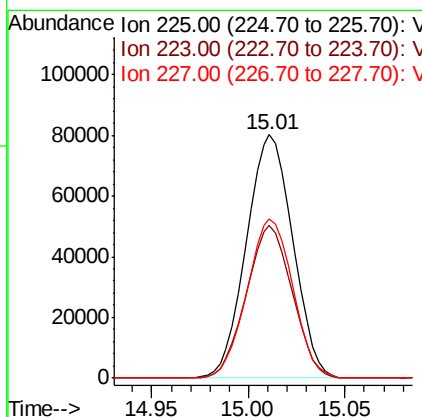
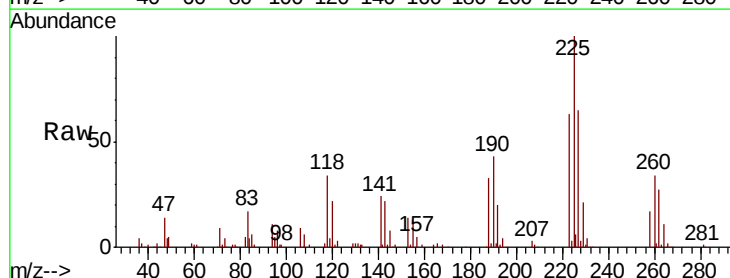
Manual Integrations
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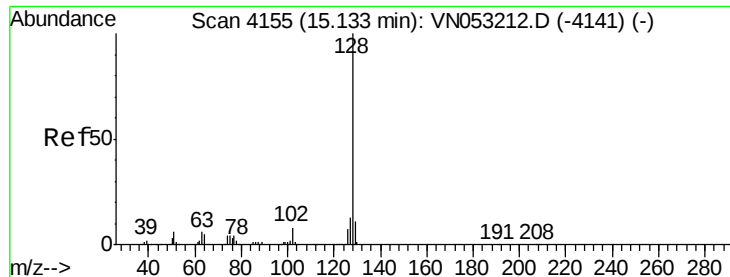
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 1/2/2019 9:48:44 AM



#90
 Hexachlorobutadiene
 Concen: 23.816 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053216.D
 Acq: 28 Dec 2018 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	133900		
223	61.9	0.0	125.6	
227	64.6	0.0	127.8	





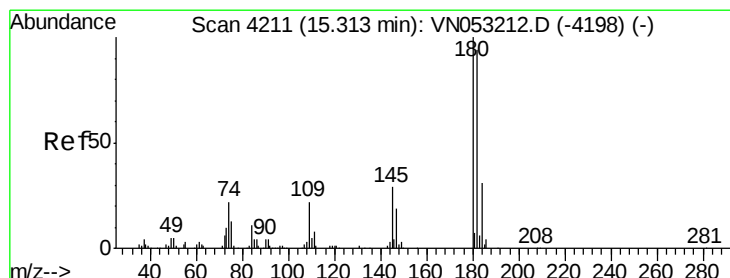
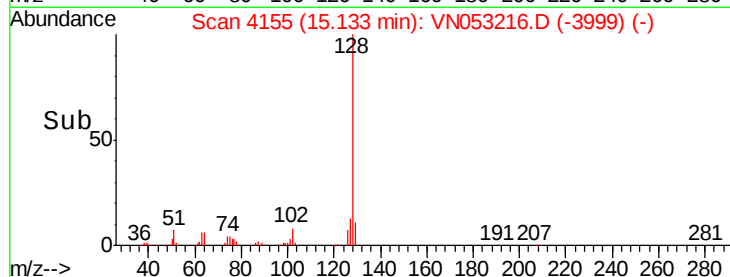
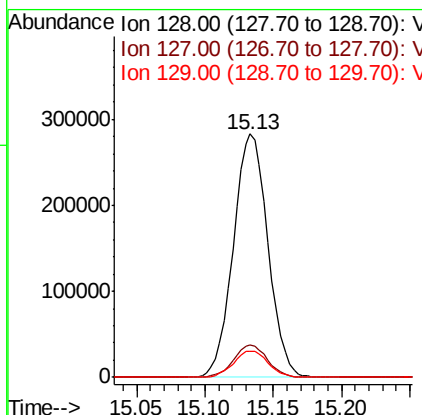
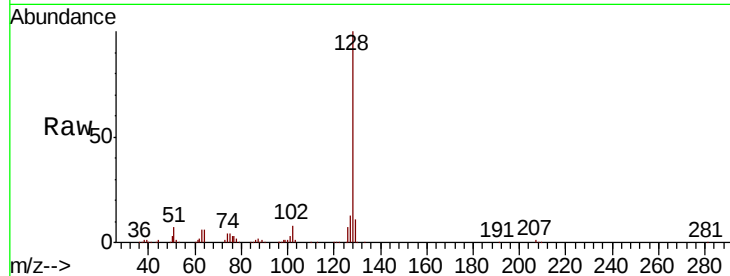
#91
Naphthalene
Concen: 25.203 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122818

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100				
127	12.9		9.9	14.9	
129	10.8		8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:48:44 AM



#92
1,2,3-Trichlorobenzene
Concen: 24.898 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053216.D
Acq: 28 Dec 2018 10:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100				
182	95.9		0.0	196.2	
145	29.4		0.0	62.2	

