

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054230.D
 Acq On : 14 Mar 2019 00:00
 Operator : JC/SP
 Sample : VN0313WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBSD02

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 10:28:22 AM

Quant Time: Mar 14 08:23:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1358580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2119408	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1870065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	884153	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	754046	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
35) Dibromofluoromethane	7.59	113	688949	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
50) Toluene-d8	10.09	98	2472852	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.40	95	857105	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	277610	21.560	ug/l	100
3) Chloromethane	2.06	50	269118	21.517	ug/l	100
4) Vinyl Chloride	2.19	62	299264	20.934	ug/l	99
5) Bromomethane	2.57	94	191530	19.345	ug/l	100
6) Chloroethane	2.71	64	176690	20.428	ug/l	99
7) Trichlorofluoromethane	3.02	101	383294	20.167	ug/l	100
8) Diethyl Ether	3.41	74	197683	22.824	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	311039	21.839	ug/l	100
10) Methyl Iodide	3.94	142	289556	15.384	ug/l	99
11) Tert butyl alcohol	4.82	59	101372	102.488	ug/l	99
12) 1,1-Dichloroethene	3.73	96	312749	22.159	ug/l	97
13) Acrolein	3.60	56	37462	39.969	ug/l	100
14) Allyl chloride	4.31	41	362915	20.041	ug/l	99
15) Acrylonitrile	5.00	53	447549	110.153	ug/l	99
16) Acetone	3.82	43	345593	83.656	ug/l	99
17) Carbon Disulfide	4.04	76	686251	19.396	ug/l	99
18) Methyl Acetate	4.33	43	192838	23.072	ug/l	99
19) Methyl tert-butyl Ether	5.06	73	762205	21.787	ug/l	100
20) Methylene Chloride	4.54	84	292170	21.539	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	286918	21.217	ug/l	96
22) Diisopropyl ether	5.96	45	780684	21.600	ug/l	98
23) Vinyl Acetate	5.90	43	2791892	104.770	ug/l	100
24) 1,1-Dichloroethane	5.85	63	503030	21.676	ug/l	99
25) 2-Butanone	6.85	43	504718	104.094	ug/l	96
26) 2,2-Dichloropropane	6.82	77	327521	16.049	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	334496	22.172	ug/l	97
28) Bromochloromethane	7.19	49	212252	22.373	ug/l	98
29) Tetrahydrofuran	7.22	42	338591	108.609	ug/l	99
30) Chloroform	7.37	83	532459	21.988	ug/l	100
31) Cyclohexane	7.65	56	463282	20.632	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	462284	21.138	ug/l	99
36) 1,1-Dichloropropene	7.79	75	390161	19.990	ug/l	98
37) Ethyl Acetate	6.94	43	236574	21.095	ug/l	99
38) Carbon Tetrachloride	7.77	117	390596	19.083	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	470945	19.611	ug/l	99
40) Benzene	8.04	78	1175145	21.040	ug/l	100
41) Methacrylonitrile	7.18	41	128069	20.000	ug/l	96
42) 1,2-Dichloroethane	8.12	62	400525	21.240	ug/l	100
43) Isopropyl Acetate	8.17	43	391552	19.891	ug/l	99
44) Trichloroethene	8.83	130	363153	20.930	ug/l	96
45) 1,2-Dichloropropane	9.12	63	292950	21.123	ug/l	98
46) Dibromomethane	9.21	93	198212	21.153	ug/l	98
47) Bromodichloromethane	9.40	83	385776	20.536	ug/l	98
48) Methyl methacrylate	9.20	41	212183	21.240	ug/l	99
49) 1,4-Dioxane	9.21	88	62925	445.314	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1107328	106.296	ug/l	100
52) Toluene	10.16	92	739194	20.873	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	354493	17.829	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	425708	19.447	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	271604	21.004	ug/l	98
56) Ethyl methacrylate	10.43	69	319663	20.732	ug/l	99
57) 1,3-Dichloropropane	10.71	76	447293	21.155	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	608525	101.675	ug/l	100
59) 2-Hexanone	10.75	43	696631	100.499	ug/l	100
60) Dibromochloromethane	10.90	129	281670	19.352	ug/l	99
61) 1,2-Dibromoethane	11.01	107	275064	20.932	ug/l	100
64) Tetrachloroethene	10.63	164	367109	20.304	ug/l	100
65) Chlorobenzene	11.43	112	855057	20.824	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	298747	20.028	ug/l	99
67) Ethyl Benzene	11.51	91	1396348	20.514	ug/l	99
68) m/p-Xylenes	11.62	106	1092798	41.077	ug/l	99
69) o-Xylene	11.95	106	536997	20.706	ug/l	99
70) Styrene	11.96	104	845063	20.777	ug/l	100
71) Bromoform	12.13	173	183688	17.746	ug/l #	100
73) Isopropylbenzene	12.25	105	1443961	20.413	ug/l	99
74) N-amyl acetate	12.07	43	308924	19.675	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	309675	20.548	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	258918m	19.914	ug/l	
77) Bromobenzene	12.53	156	385585	20.599	ug/l	97
78) n-propylbenzene	12.59	91	1568815	20.439	ug/l	99
79) 2-Chlorotoluene	12.67	91	930147	20.155	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1178730	20.033	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	55268	14.531	ug/l #	86
82) 4-Chlorotoluene	12.77	91	931353	20.210	ug/l	99
83) tert-Butylbenzene	12.99	119	1079014	19.923	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1185394	20.536	ug/l	99
85) sec-Butylbenzene	13.17	105	1421024	20.232	ug/l	100
86) p-Isopropyltoluene	13.29	119	1225662	19.891	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	650518	20.625	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	643991	20.784	ug/l	99
89) n-Butylbenzene	13.62	91	954392	20.385	ug/l	99
90) Hexachloroethane	13.88	117	181747	17.813	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	642899	20.850	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44410	19.043	ug/l	98

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ClientSampleId :
VN0313WBSD02

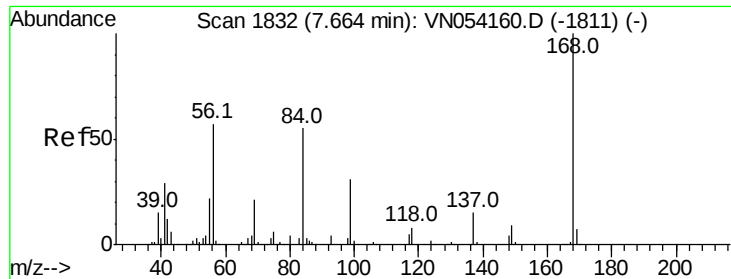
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	359037	20.833	ug/l	99
94) Hexachlorobutadiene	15.01	225	229261	19.520	ug/l	99
95) Naphthalene	15.13	128	733411	21.070	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	366821	22.391	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD02

Tot Ion:168 Resp: 1358580

Ion Ratio Lower Upper

168 100

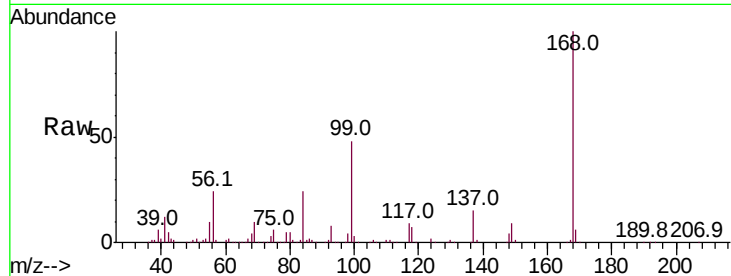
99 47.1 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

600000

500000

400000

300000

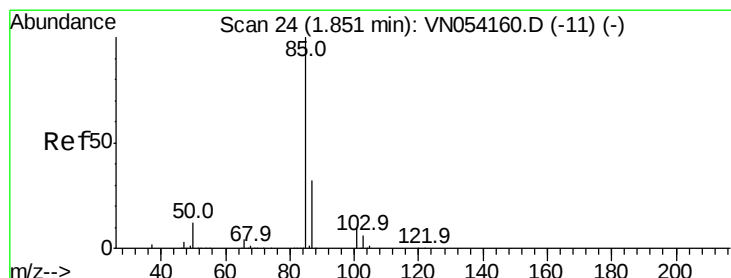
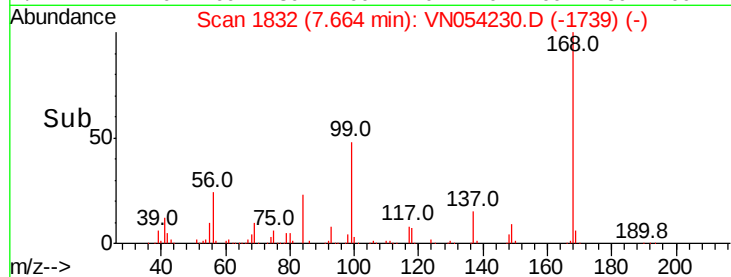
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.560 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054230.D

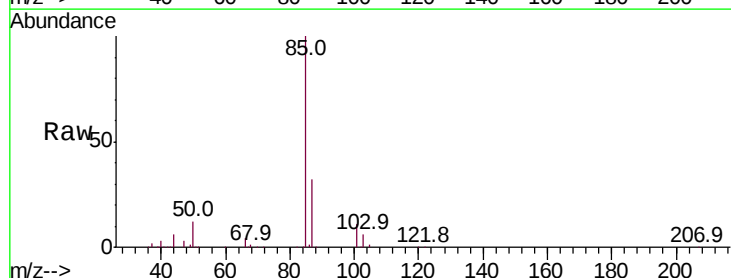
Acq: 14 Mar 2019 00:00

Tgt Ion: 85 Resp: 277610

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

150000

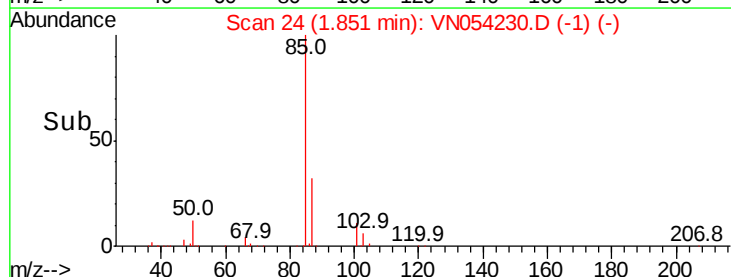
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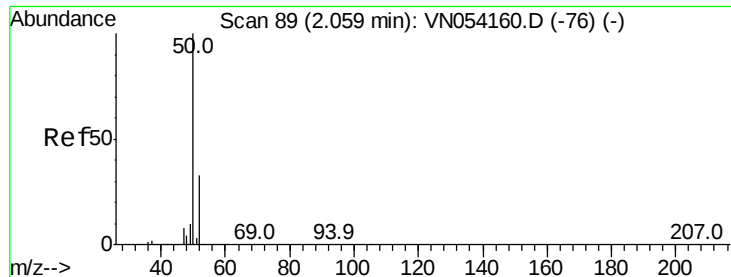
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.517 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD02

Tot Ion: 50 Resp: 269118

Ion Ratio Lower Upper

50 100

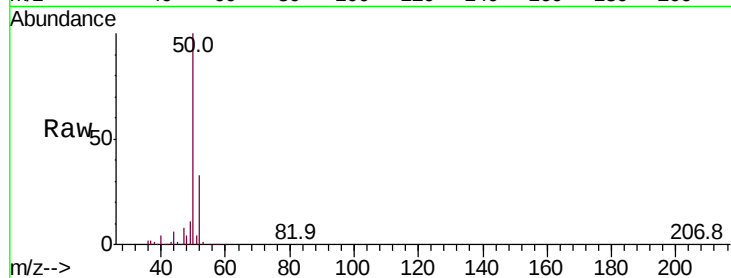
52 33.0 26.4 39.6

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

200000

150000

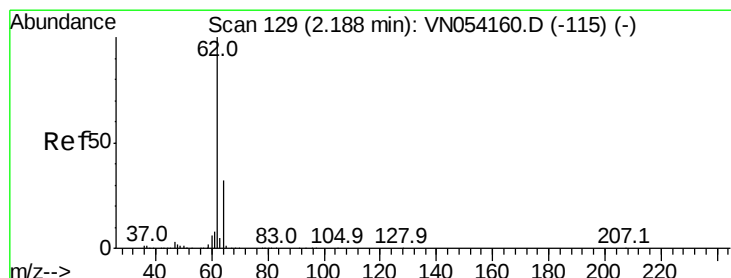
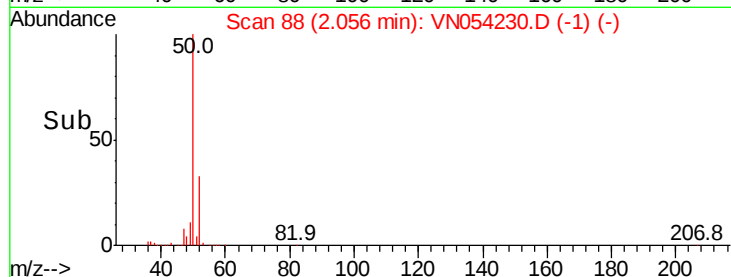
100000

50000

0

Time-->

2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 20.934 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054230.D

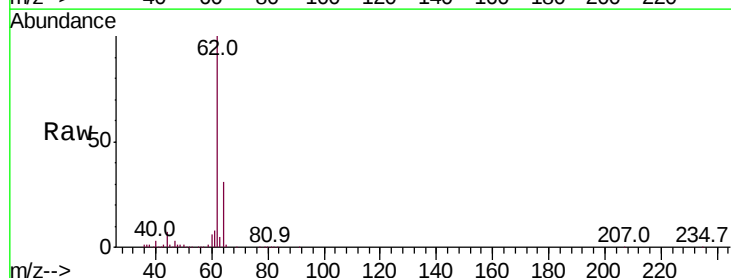
Acq: 14 Mar 2019 00:00

Tgt Ion: 62 Resp: 299264

Ion Ratio Lower Upper

62 100

64 31.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

200000

150000

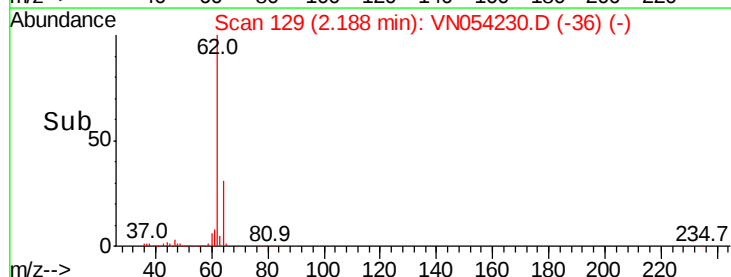
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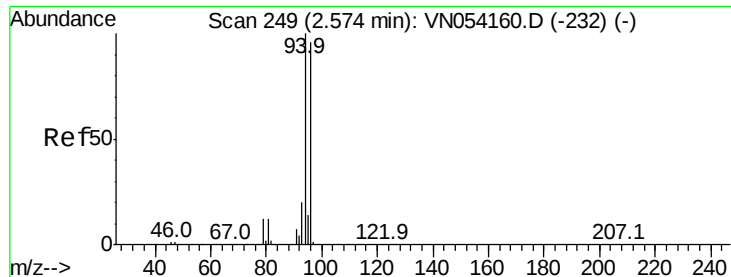
50000

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Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 19.345 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD02

Tot Ion: 94 Resp: 191530

Ion Ratio Lower Upper

94 100

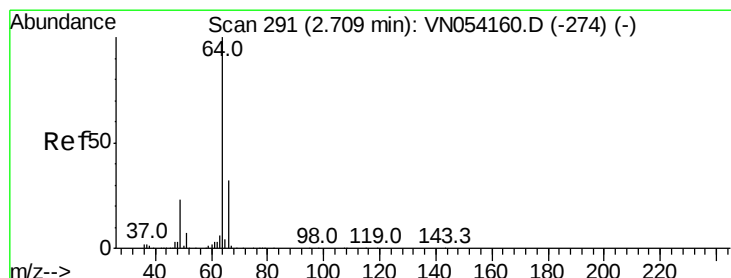
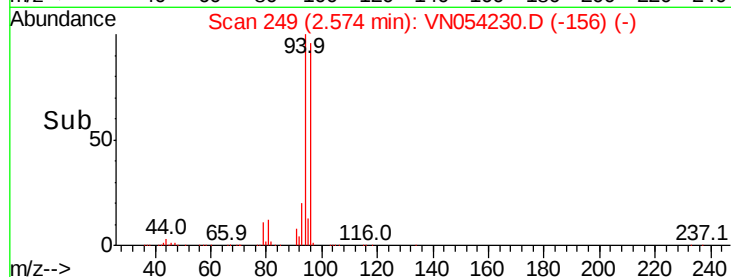
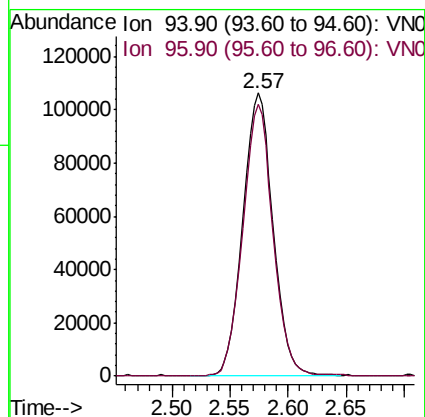
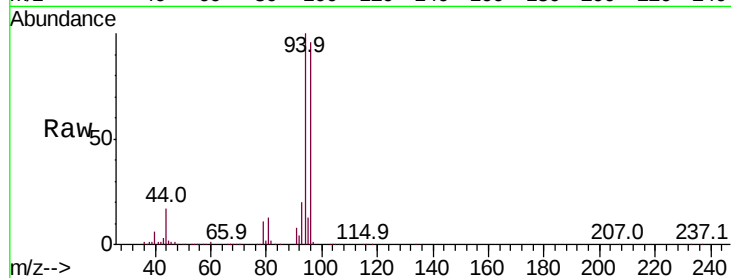
96 96.3 77.0 115.4

Manual Integrations

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3/14/2019 10:28:22 AM



#6

Chloroethane

Concen: 20.428 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054230.D

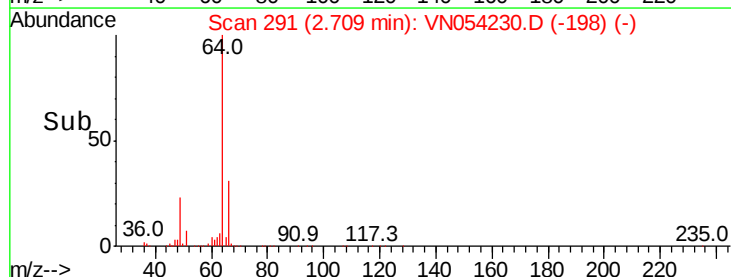
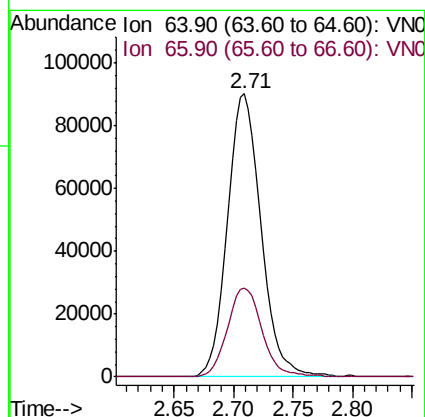
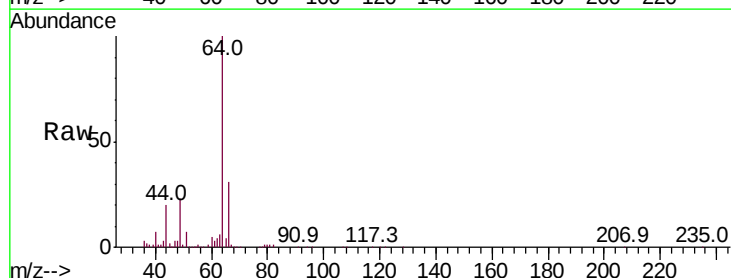
Acq: 14 Mar 2019 00:00

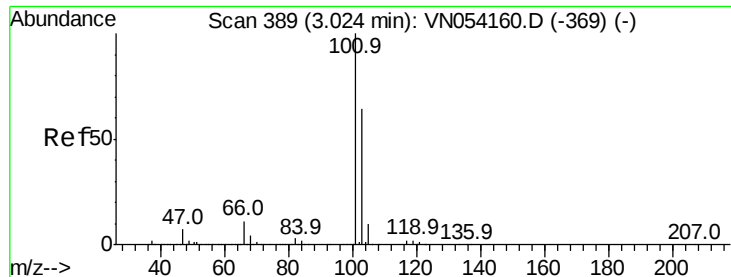
Tgt Ion: 64 Resp: 176690

Ion Ratio Lower Upper

64 100

66 31.3 25.7 38.5





#7

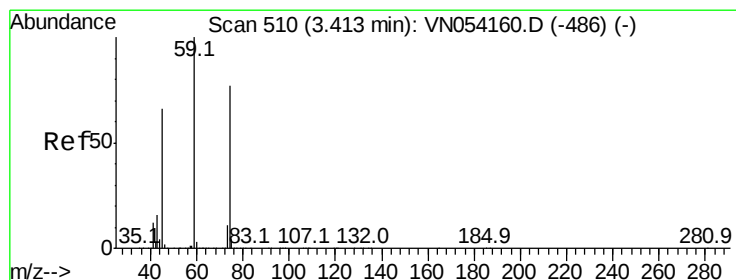
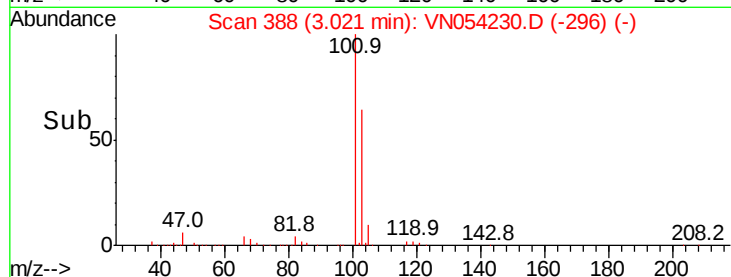
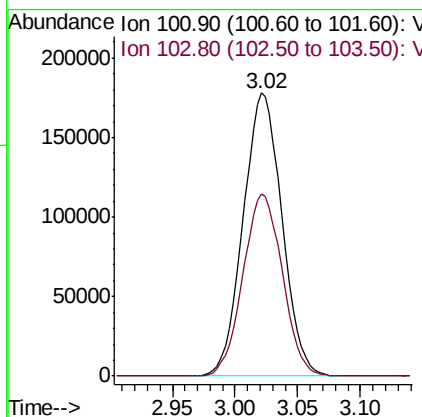
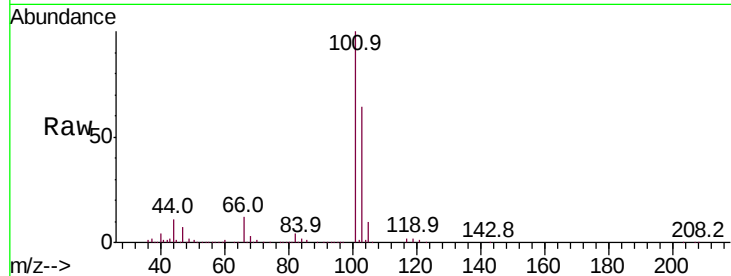
Trichlorofluoromethane
Concen: 20.167 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Instrument :
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ClientSampleId :
VN0313WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2

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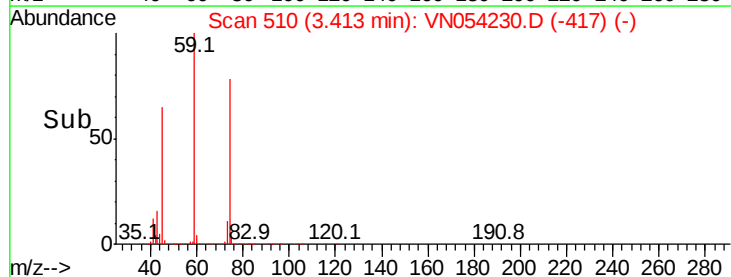
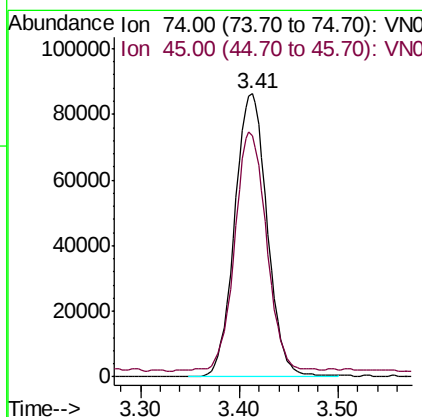
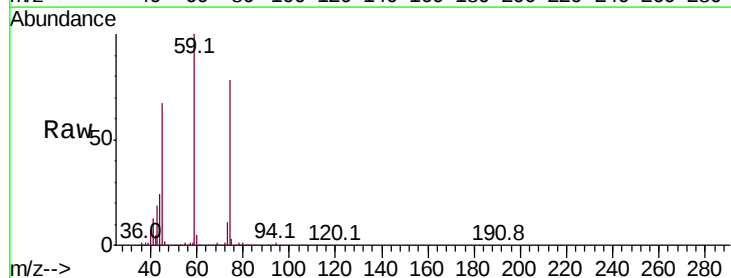
MMDadoda
3/14/2019 10:28:22 AM

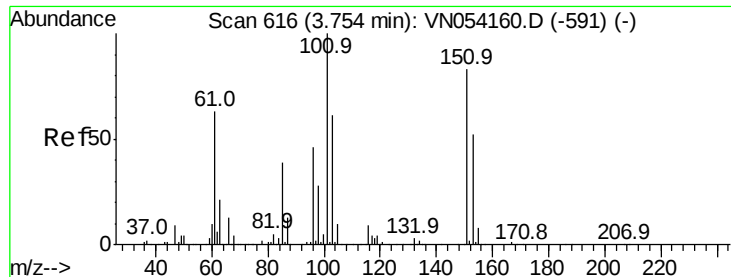


#8

Diethyl Ether
Concen: 22.824 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.7	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.839 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

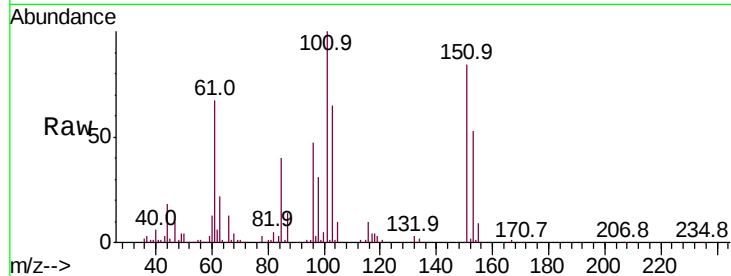
ClientSampleId :

VN0313WBSD02

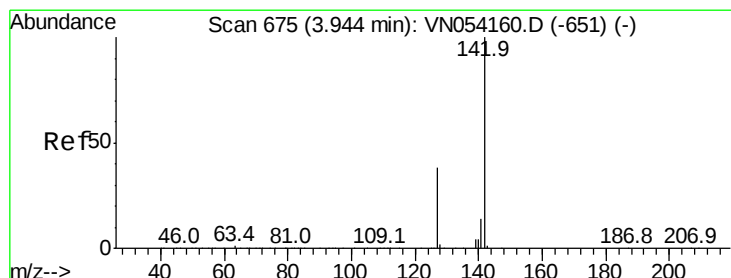
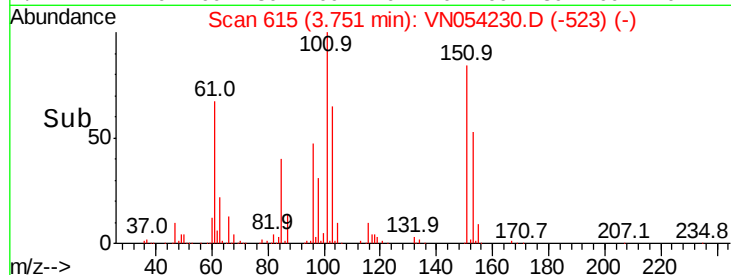
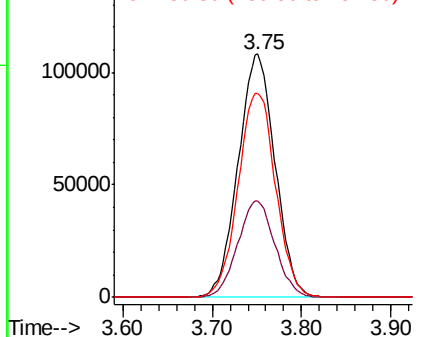
Tot Ion:	101	Resp:	311039
Ion Ratio	Lower	Upper	
101	100		
85	40.0	32.4	48.6
151	85.4	68.2	102.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.384 ug/l

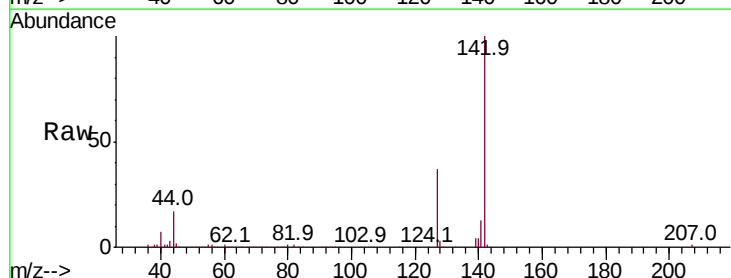
RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

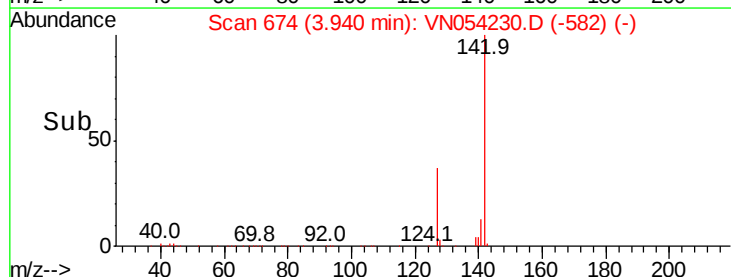
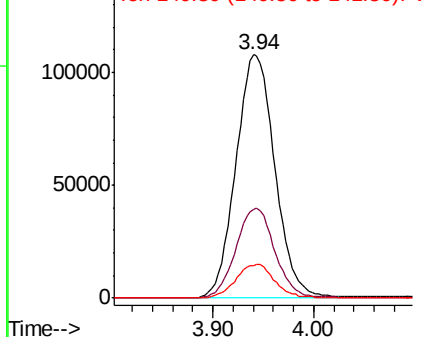
Lab File: VN054230.D

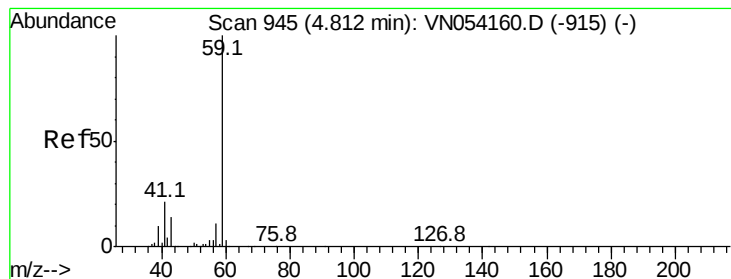
Acq: 14 Mar 2019 00:00

Tgt Ion:	142	Resp:	289556
Ion Ratio	Lower	Upper	
142	100		
127	36.9	30.3	45.5
141	13.8	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

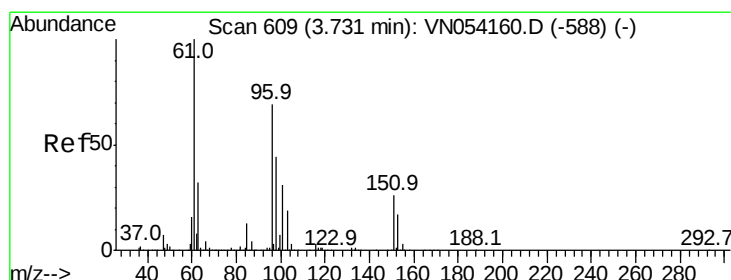
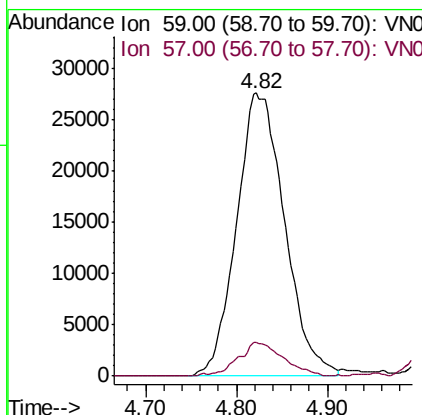
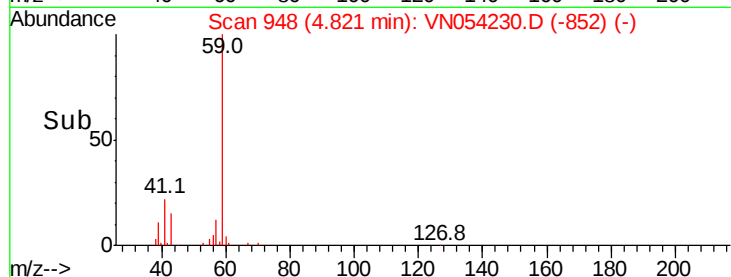
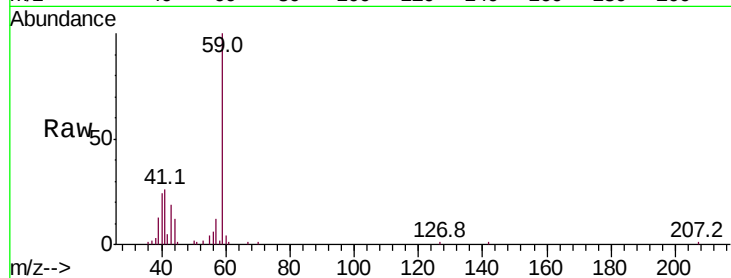
Tert butyl alcohol
 Concen: 102.488 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBSD02

Tot Ion: 59 Resp: 101372
 Ion Ratio Lower Upper
 59 100
 57 11.1 9.0 13.6

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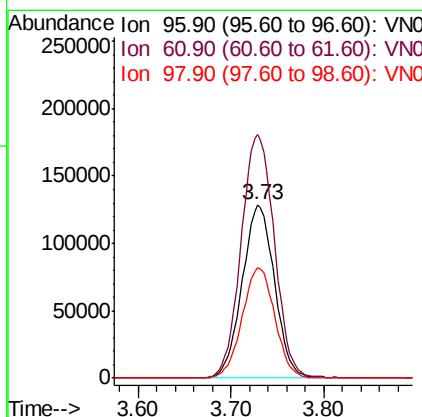
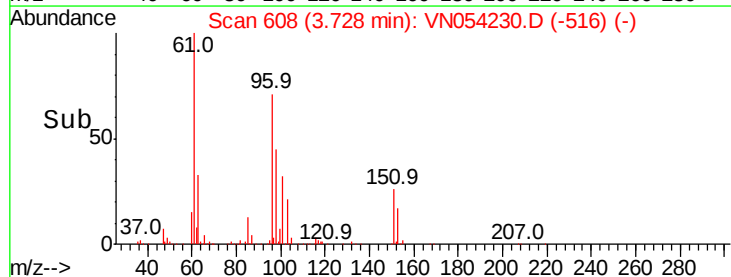
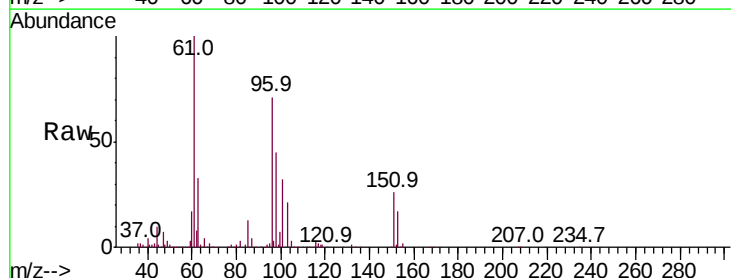
MMDadoda
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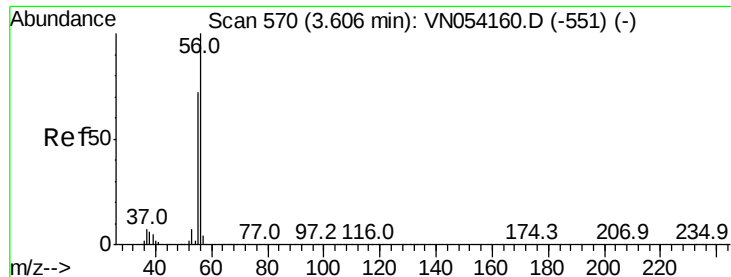


#12

1,1-Dichloroethene
 Concen: 22.159 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Tgt Ion: 96 Resp: 312749
 Ion Ratio Lower Upper
 96 100
 61 140.4 116.5 174.7
 98 63.5 51.0 76.4





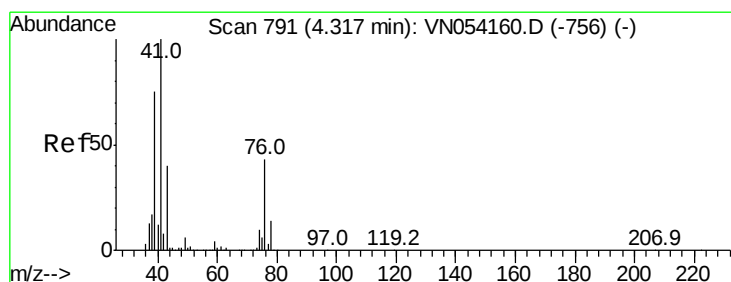
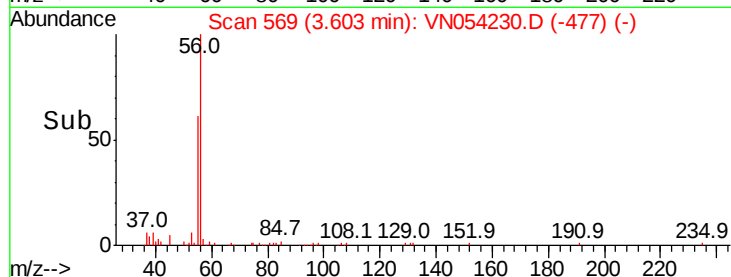
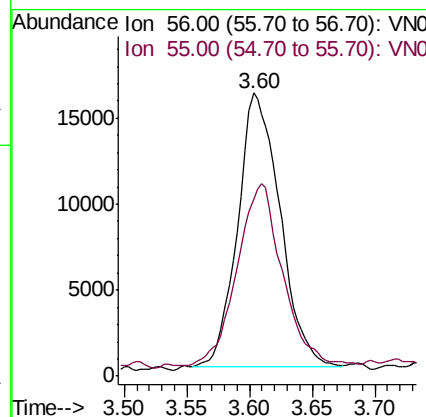
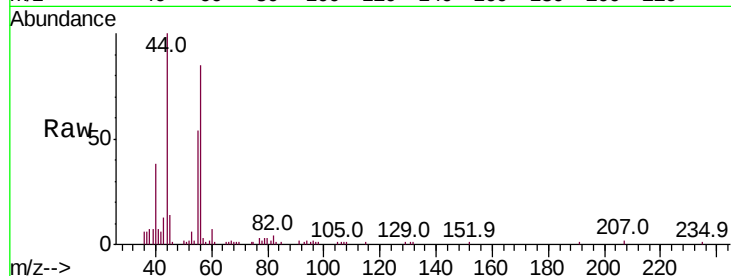
#13
Acrolein
Concen: 39.969 ug/l
RT: 3.60 min Scan# 569
Delta R.T. -0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD02

Tot Ion: 56 Resp: 37462
Ion Ratio Lower Upper
56 100
55 70.7 56.7 85.1

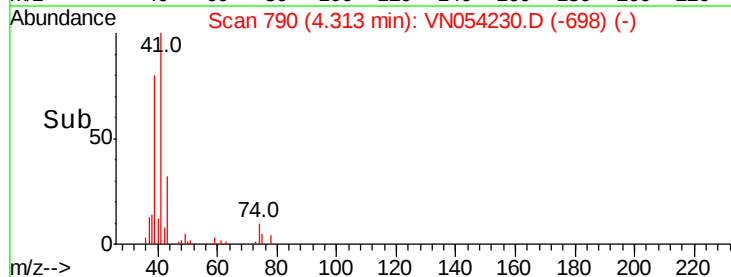
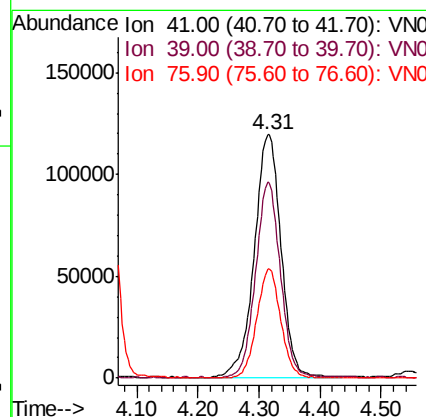
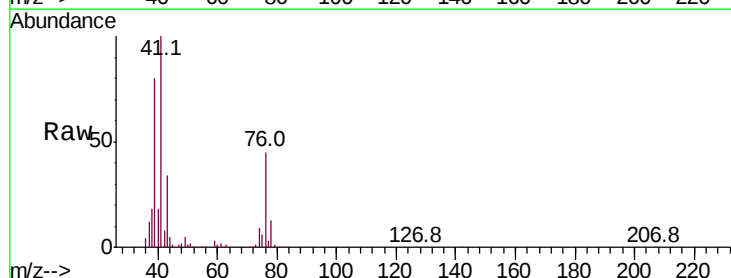
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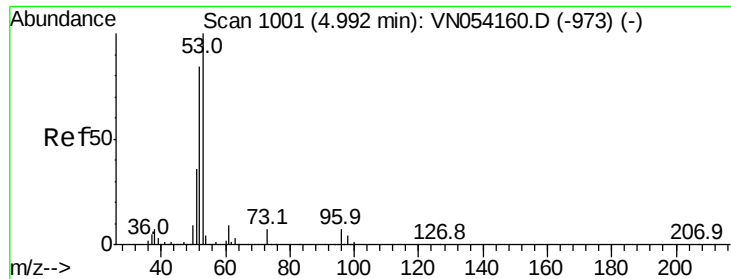
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#14
Allyl chloride
Concen: 20.041 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion: 41 Resp: 362915
Ion Ratio Lower Upper
41 100
39 74.2 58.2 87.4
76 40.1 31.7 47.5





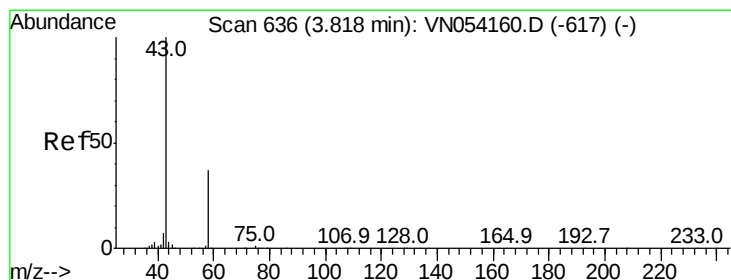
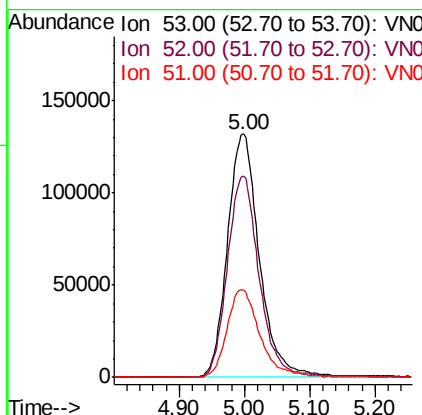
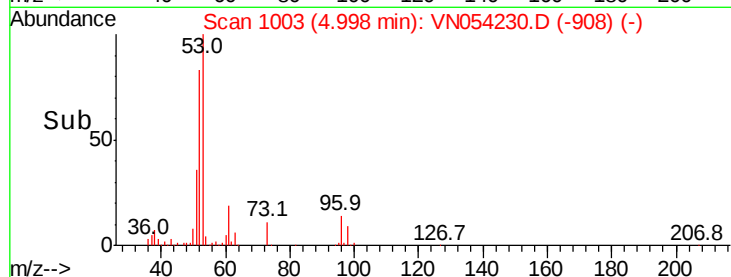
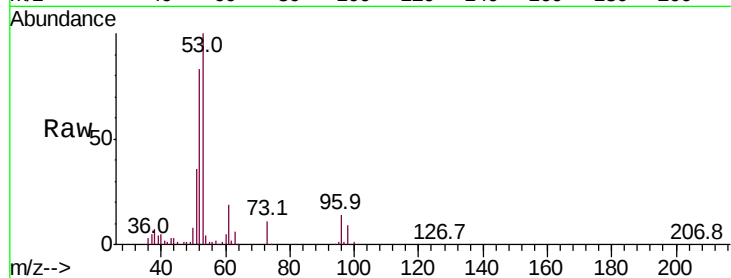
#15
 Acrylonitrile
 Concen: 110.153 ug/l
 RT: 5.00 min Scan# 1003
 Delta R.T. 0.01 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBSD02

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	37.1	29.6	44.4

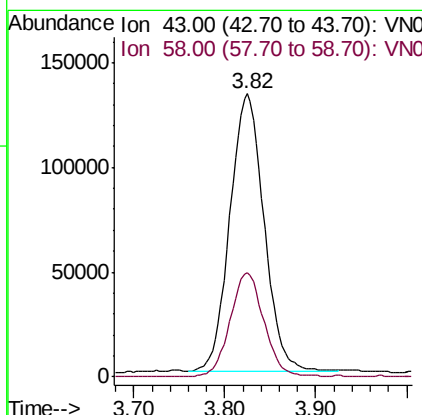
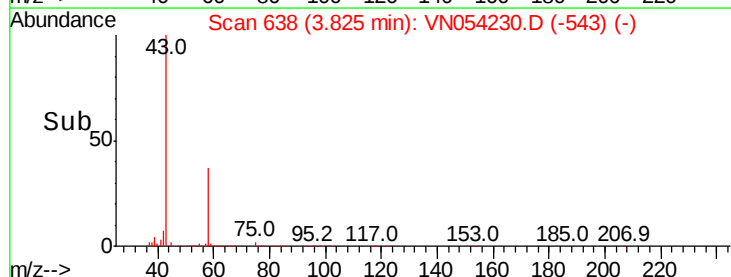
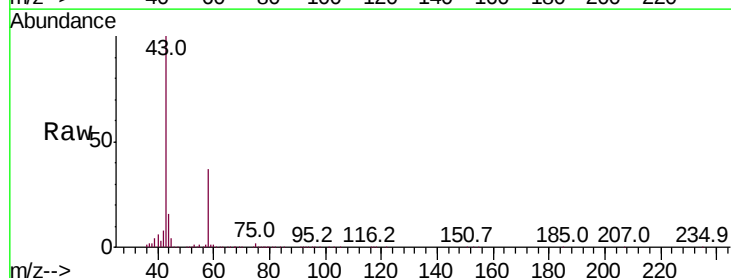
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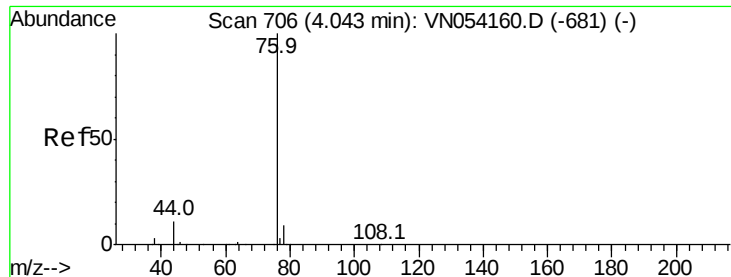
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#16
 Acetone
 Concen: 83.656 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.9	44.9





#17

Carbon Disulfide

Concen: 19.396 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD02

Tot Ion: 76 Resp: 686251

Ion Ratio Lower Upper

76 100

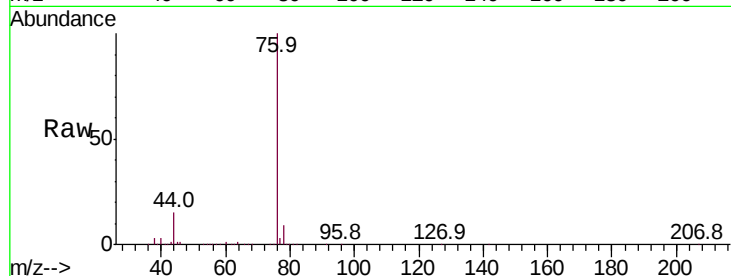
78 9.0 7.5 11.3

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Abundance Ion 75.90 (75.60 to 76.60): VN054160.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN054160.D (-681) (-)

4.04

250000

200000

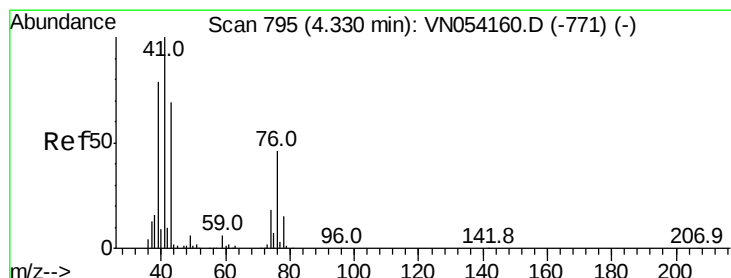
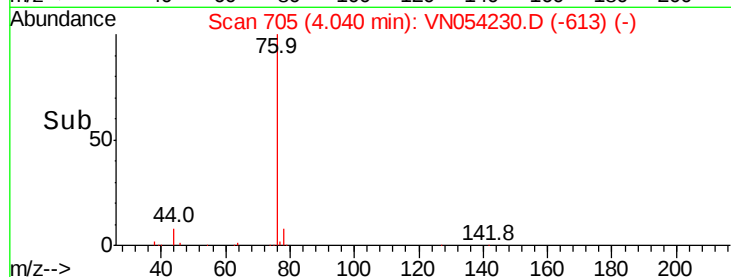
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 23.072 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054230.D

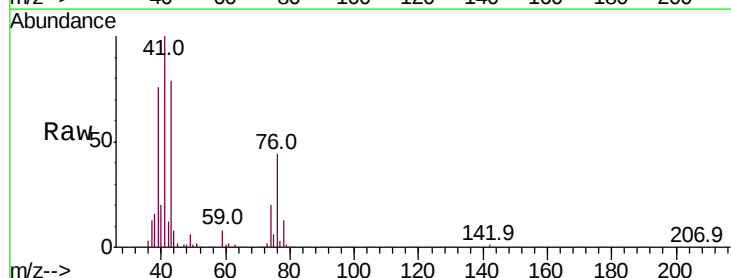
Acq: 14 Mar 2019 00:00

Tgt Ion: 43 Resp: 192838

Ion Ratio Lower Upper

43 100

74 26.7 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN054160.D (-771) (-)

4.33

80000

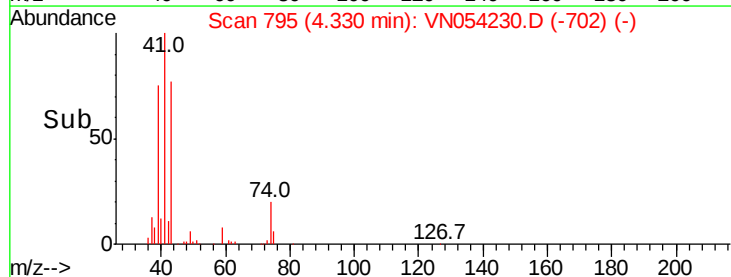
60000

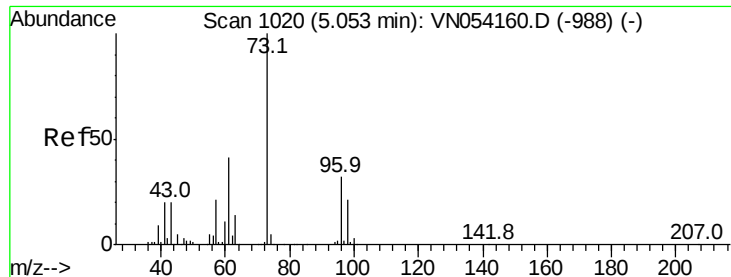
40000

20000

0

Time-->





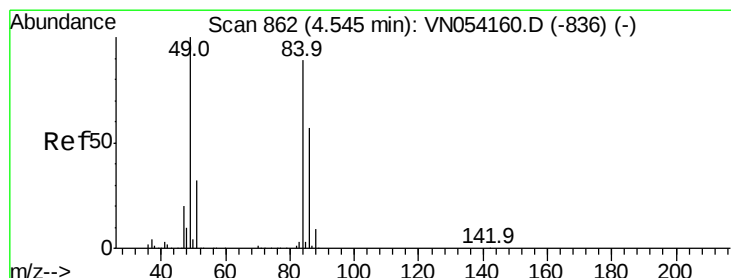
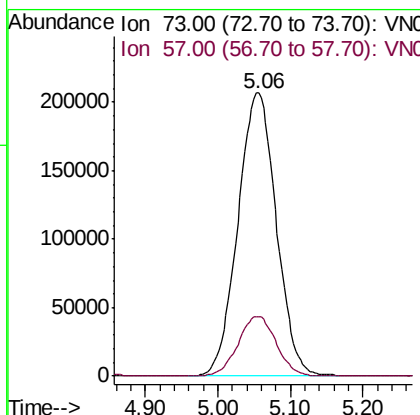
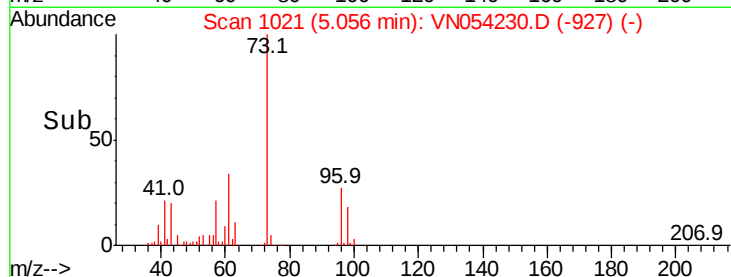
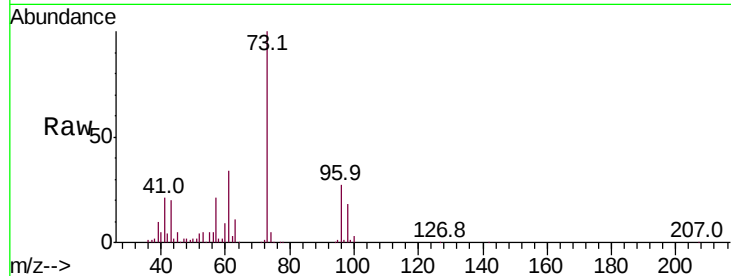
#19
Methyl tert-butyl Ether
Concen: 21.787 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD02

Tot Ion: 73 Resp: 762205
Ion Ratio Lower Upper
73 100
57 21.0 16.8 25.2

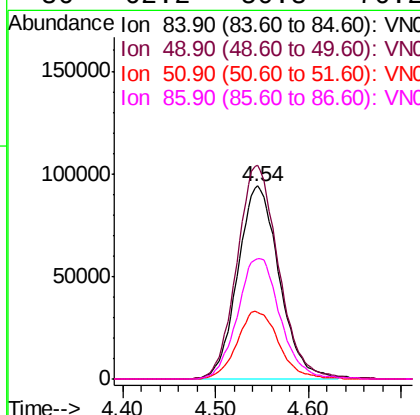
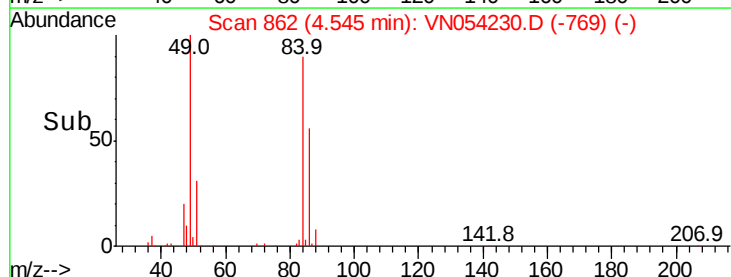
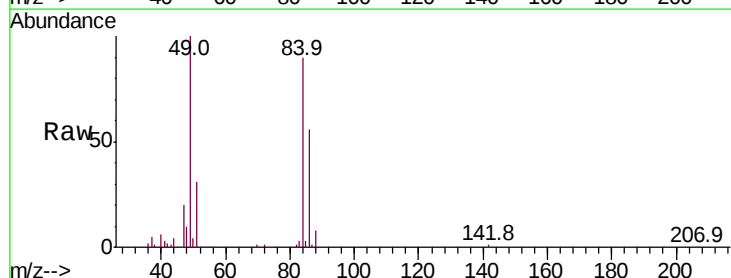
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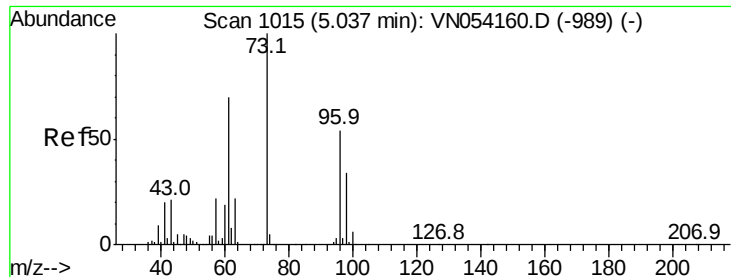
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#20
Methylene Chloride
Concen: 21.539 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion: 84 Resp: 292170
Ion Ratio Lower Upper
84 100
49 110.8 89.7 134.5
51 34.6 28.2 42.4
86 62.2 50.8 76.2





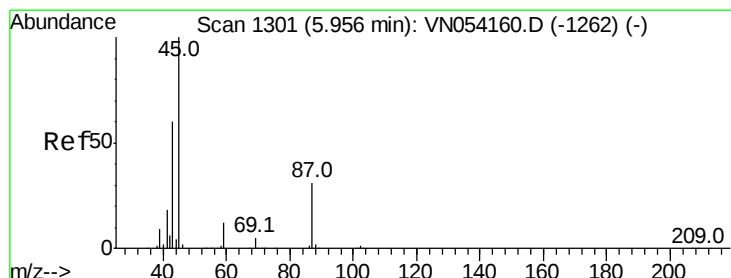
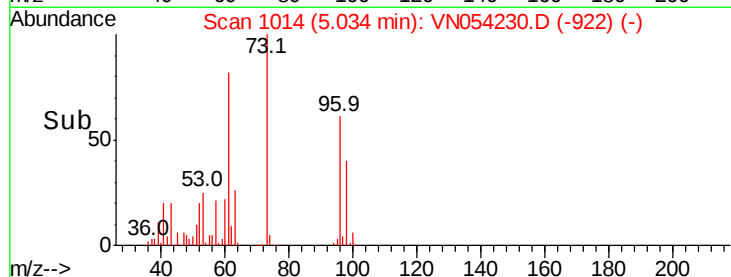
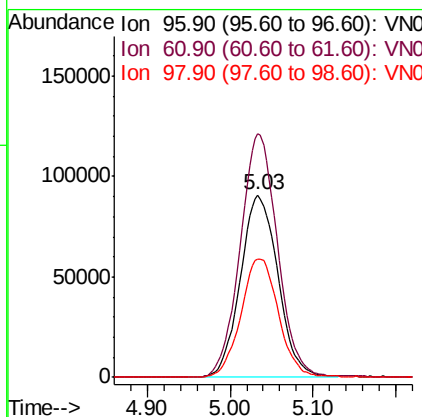
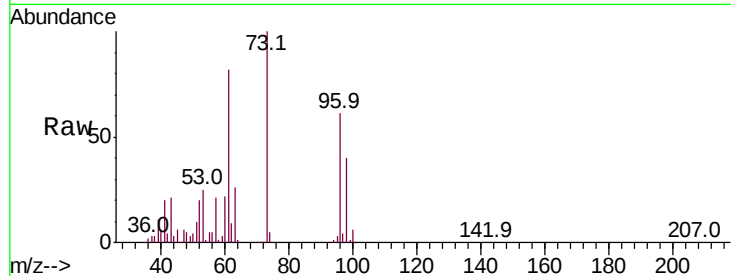
#21
trans-1,2-Dichloroethene
Concen: 21.217 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.6	102.8	154.2
98	64.8	50.0	75.0

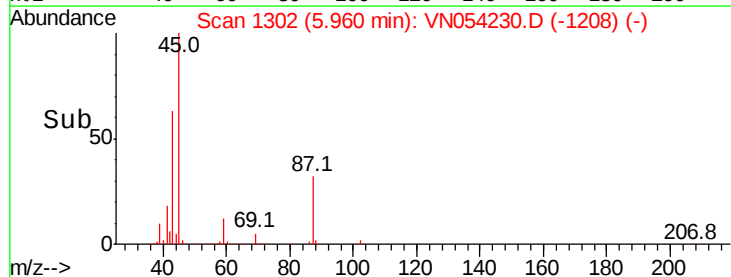
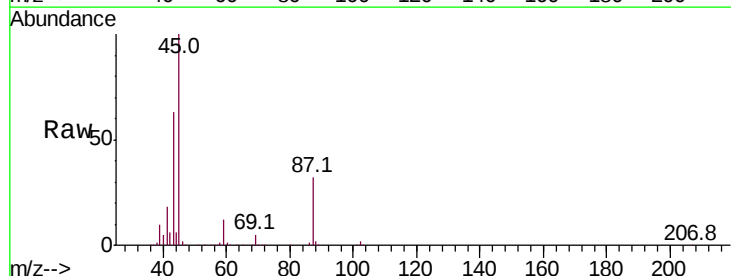
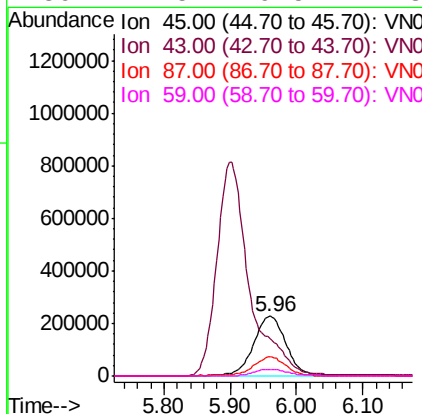
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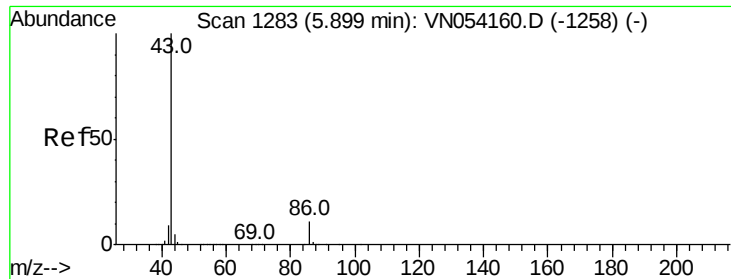
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#22
Diisopropyl ether
Concen: 21.600 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.1	48.2	72.2
87	32.0	24.9	37.3
59	11.5	9.5	14.3





#23

Vinyl Acetate

Concen: 104.770 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD02

Tot Ion: 43 Resp: 2791892

Ion Ratio Lower Upper

43 100

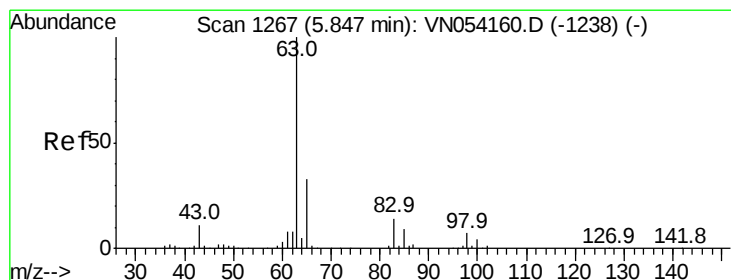
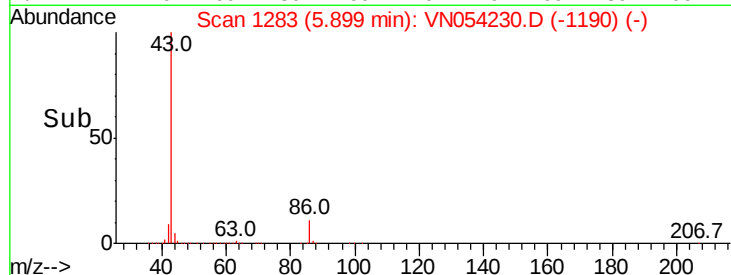
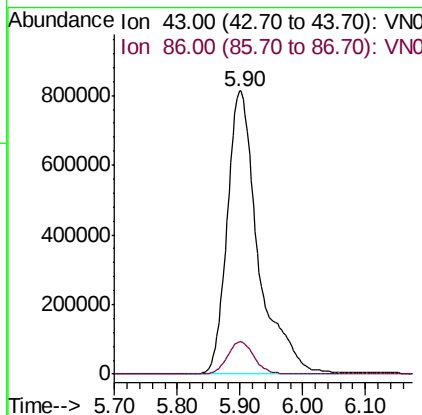
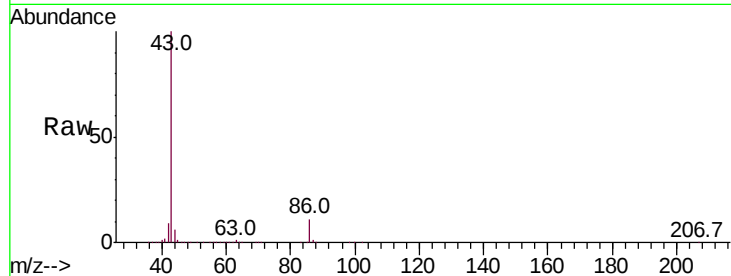
86 11.4 9.1 13.7

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#24

1,1-Dichloroethane

Concen: 21.676 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

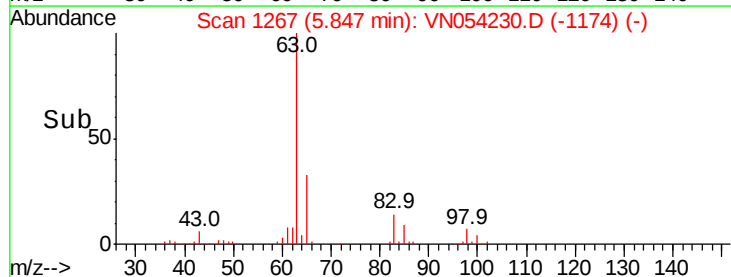
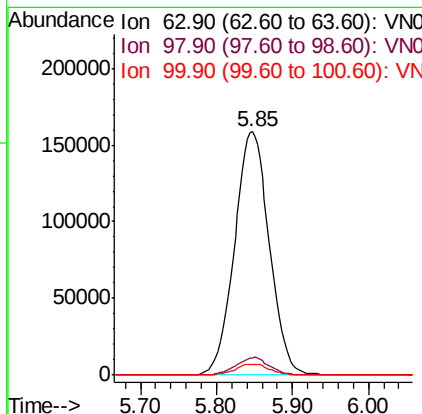
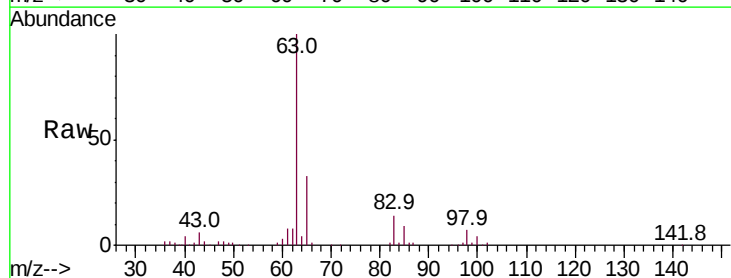
Tgt Ion: 63 Resp: 503030

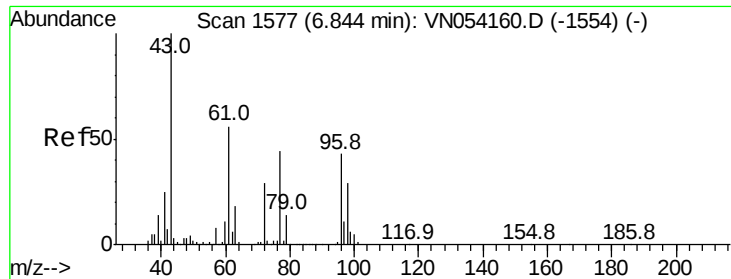
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.5 2.0 6.0





#25

2-Butanone

Concen: 104.094 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.01 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD02

Tot Ion: 43 Resp: 504718

Ion Ratio Lower Upper

43 100

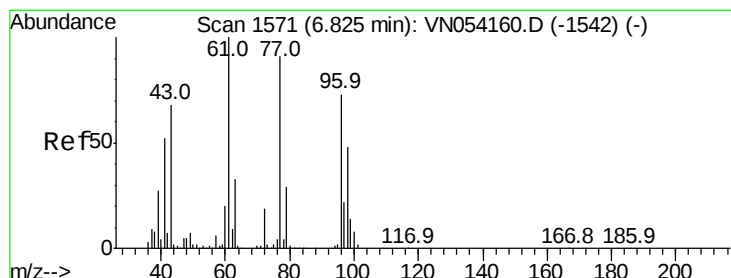
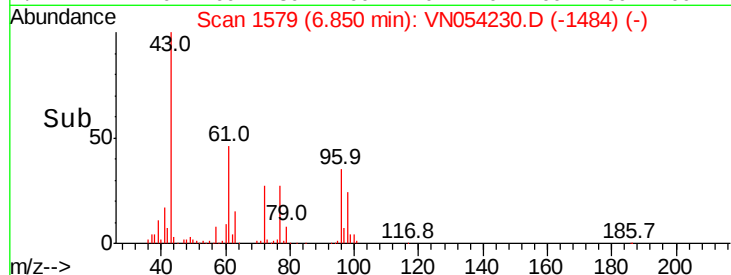
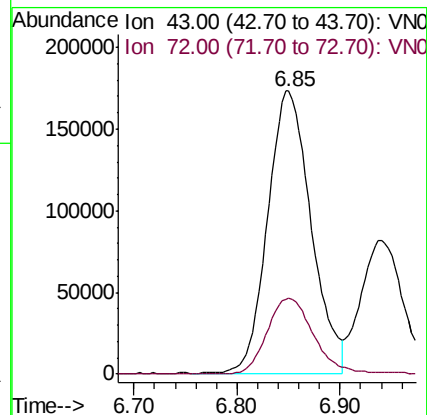
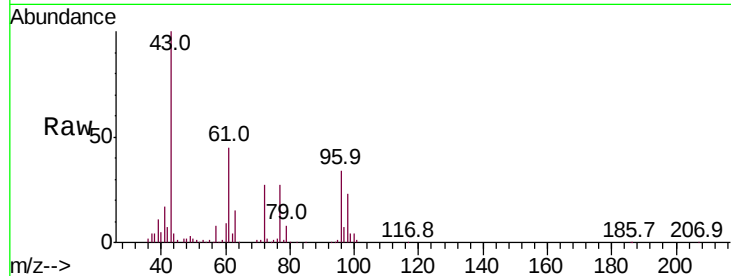
72 26.9 23.0 34.6

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#26

2,2-Dichloropropane

Concen: 16.049 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054230.D

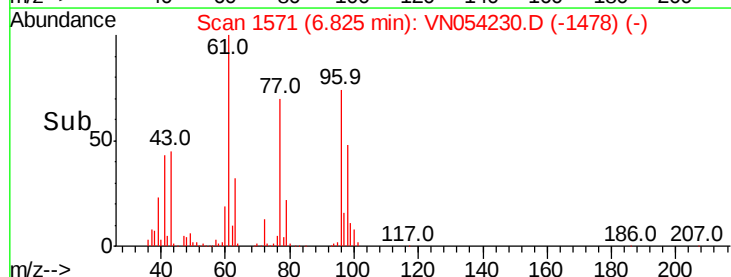
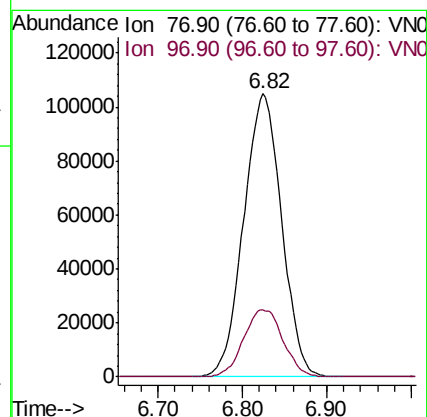
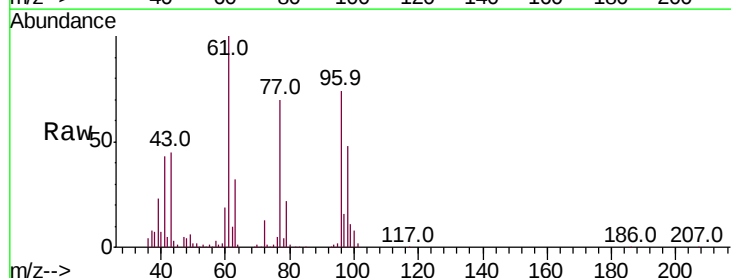
Acq: 14 Mar 2019 00:00

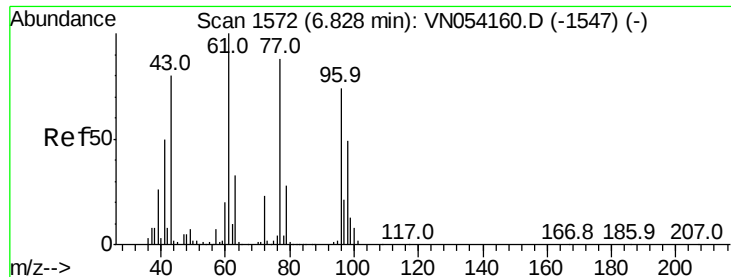
Tgt Ion: 77 Resp: 327521

Ion Ratio Lower Upper

77 100

97 24.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.172 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

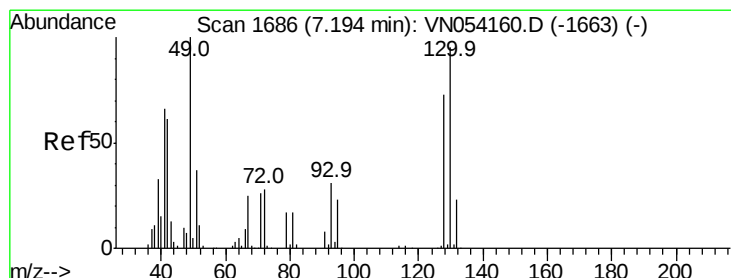
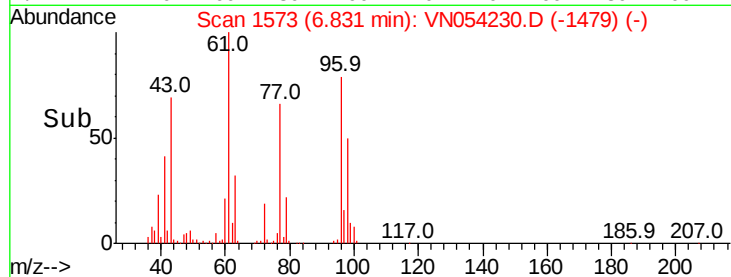
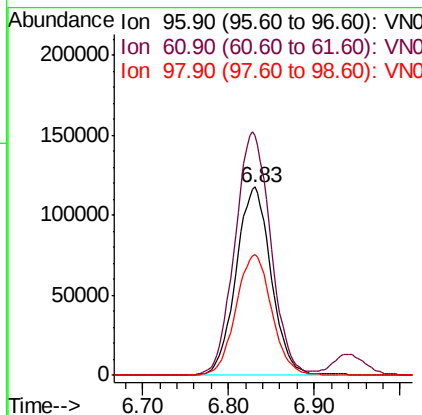
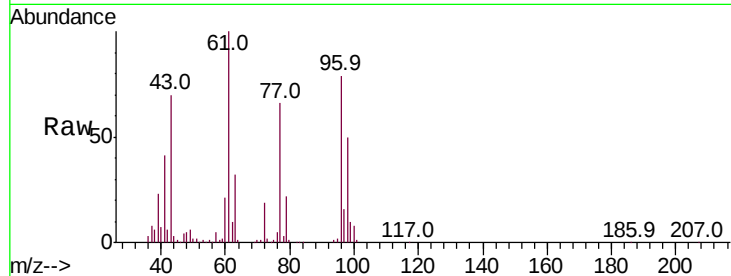
ClientSampleId :

VN0313WBSD02

Tot Ion:	96	Resp:	334496
Ion Ratio	Lower	Upper	
96	100		
61	131.5	0.0	273.0
98	65.5	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 22.373 ug/l

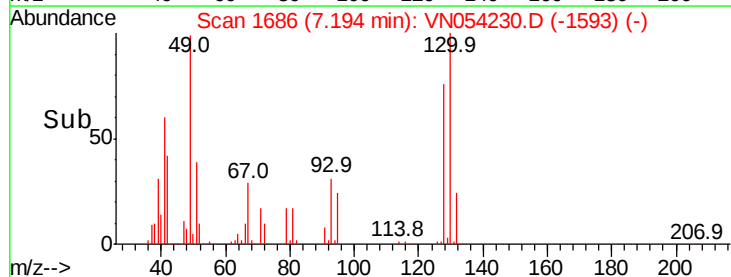
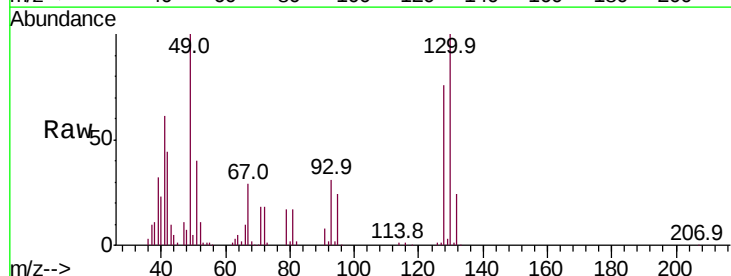
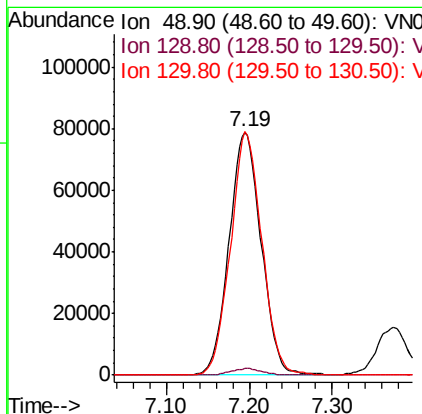
RT: 7.19 min Scan# 1686

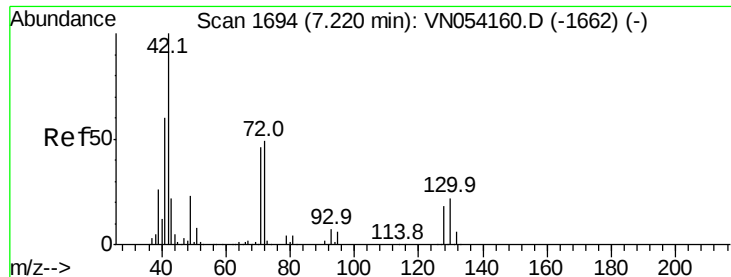
Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Tgt Ion:	49	Resp:	212252
Ion Ratio	Lower	Upper	
49	100		
129	2.6	0.0	4.6
130	97.9	76.7	115.1





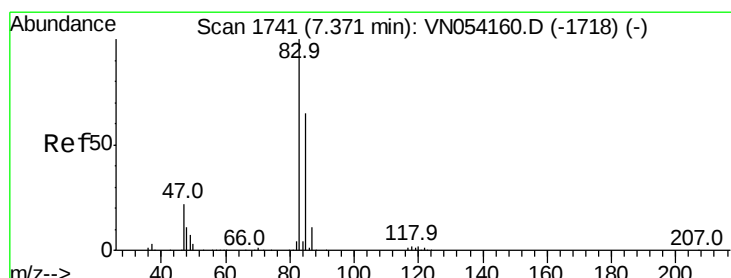
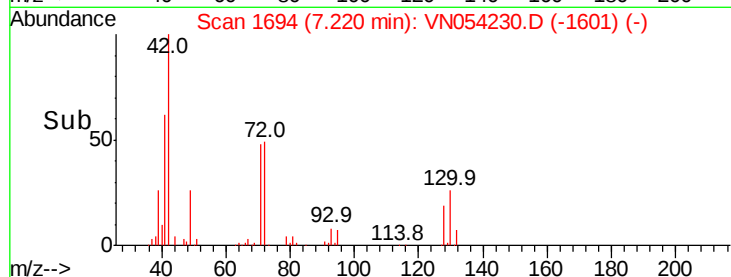
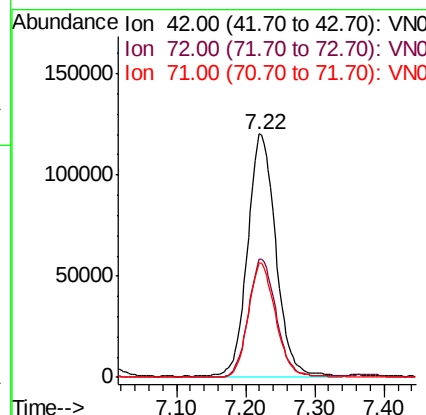
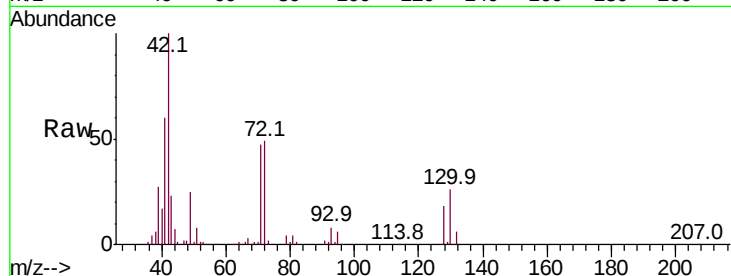
#29
Tetrahydrofuran
Concen: 108.609 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.7	37.8	56.6
71	45.6	36.2	54.2

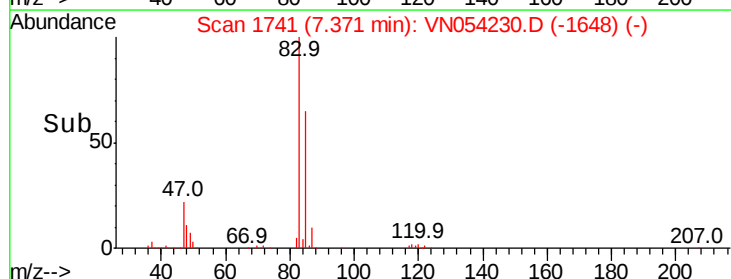
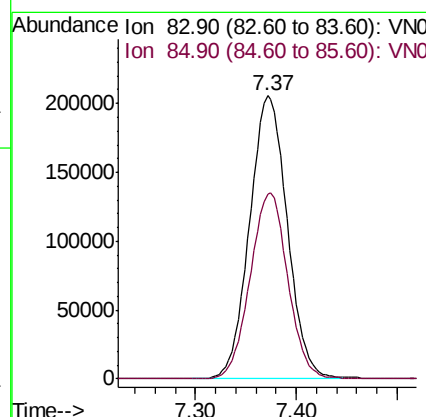
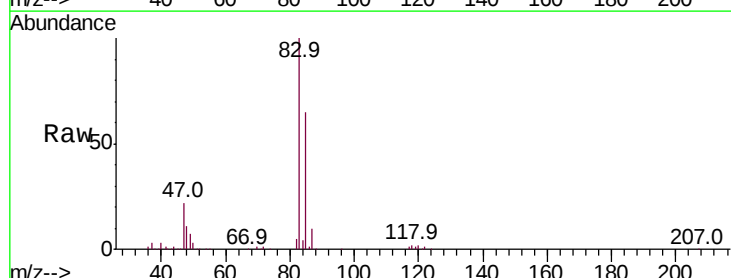
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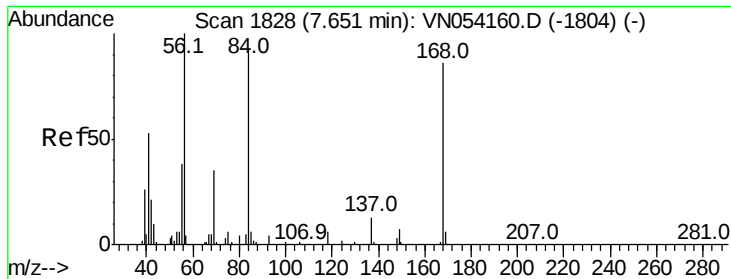
MMDadoda
3/14/2019 10:28:22 AM



#30
Chloroform
Concen: 21.988 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4





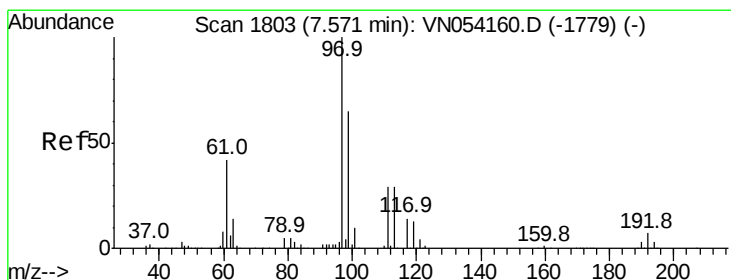
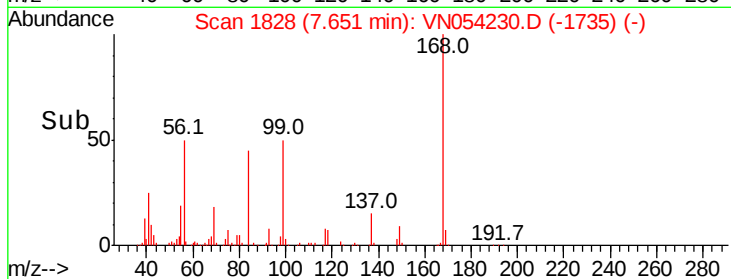
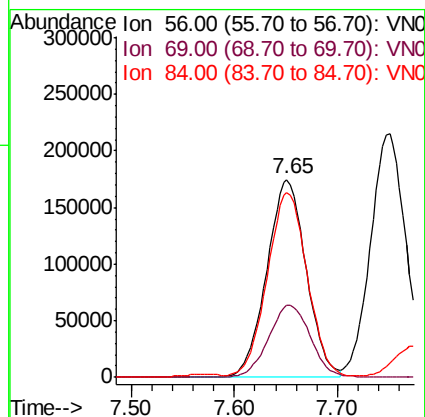
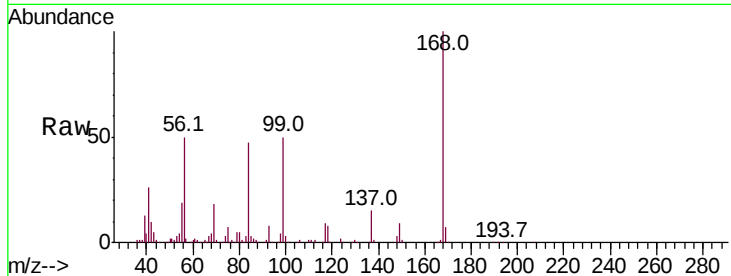
#31
Cyclohexane
Concen: 20.632 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.2	27.8	41.6
84	92.1	74.6	111.8

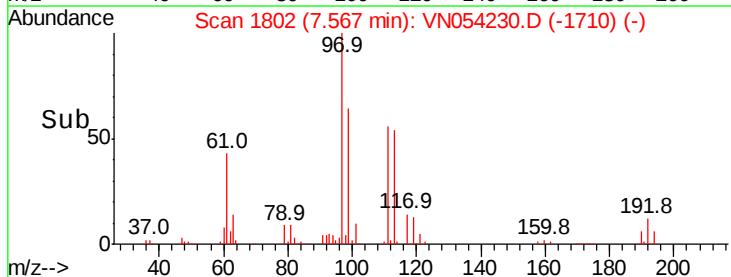
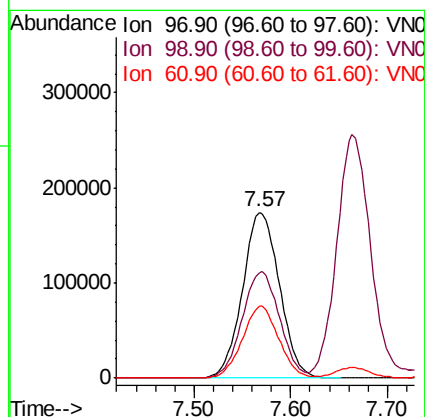
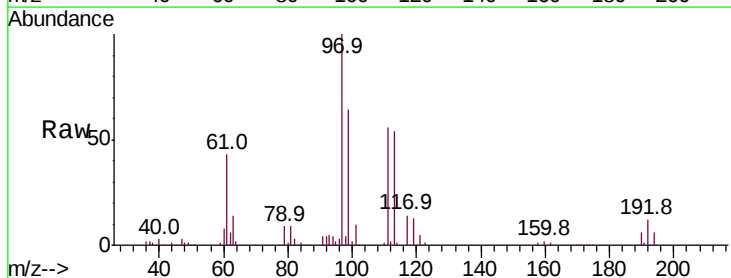
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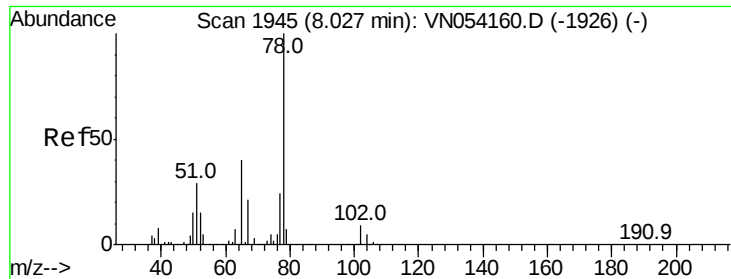
MMDadoda
3/14/2019 10:28:22 AM



#32
1,1,1-Trichloroethane
Concen: 21.138 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.5	77.3
61	42.8	33.6	50.4





#33

1,2-Dichloroethane-d4

Concen: 52.262 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054230.D

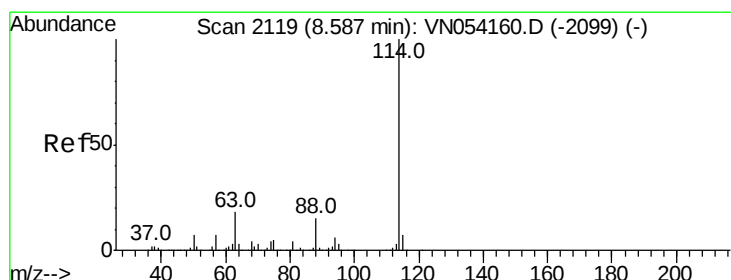
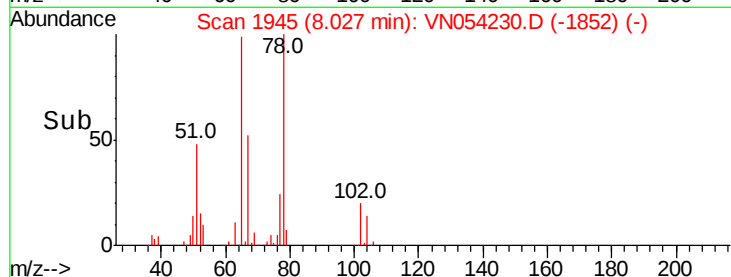
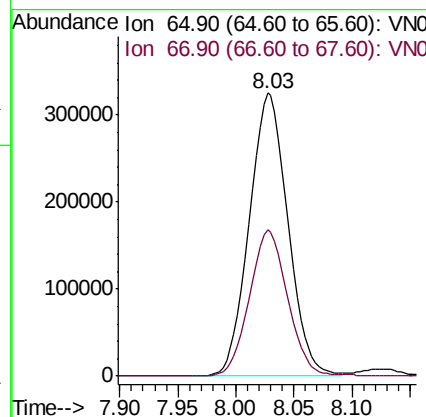
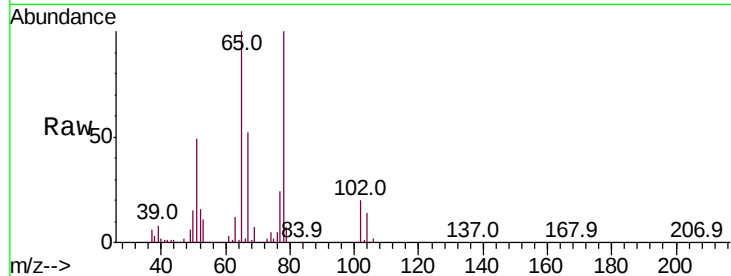
Acq: 14 Mar 2019 00:00

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	104.6

Manual Integrations
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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

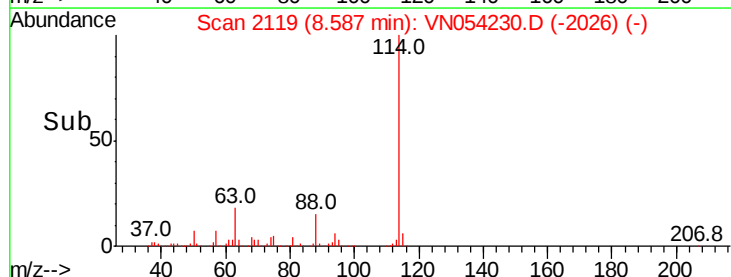
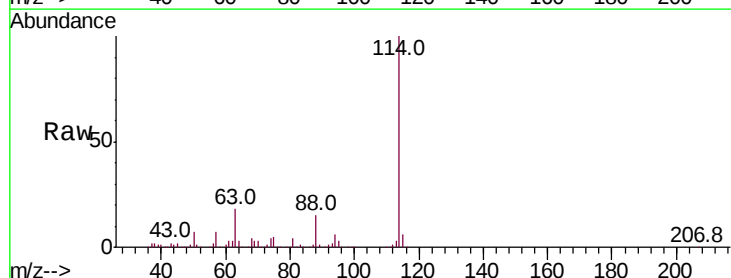
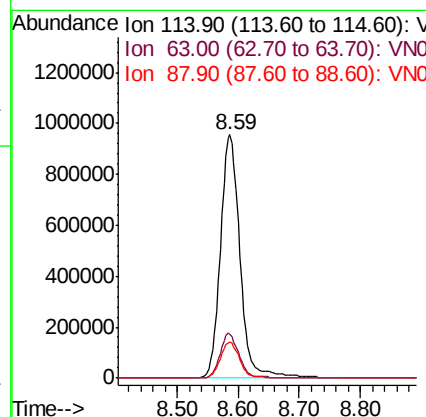
RT: 8.59 min Scan# 2119

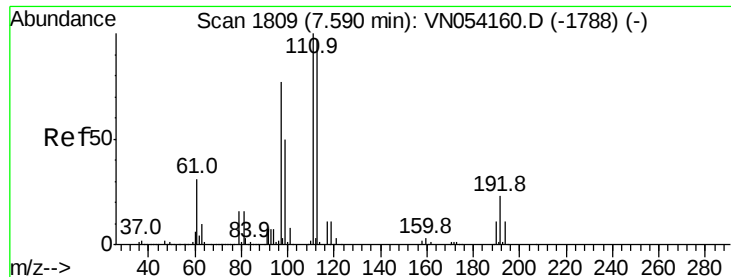
Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	35.2
88	14.7	0.0	30.2





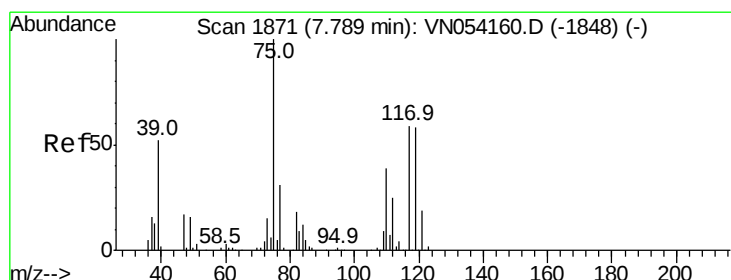
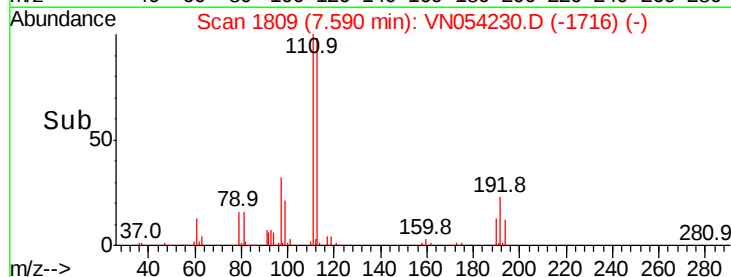
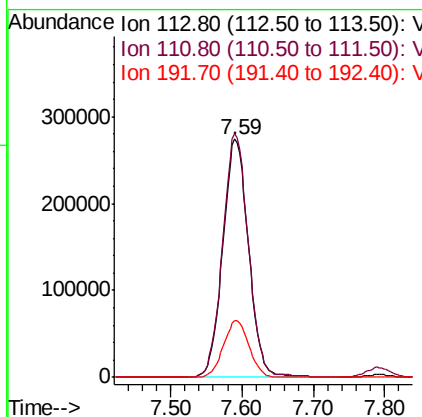
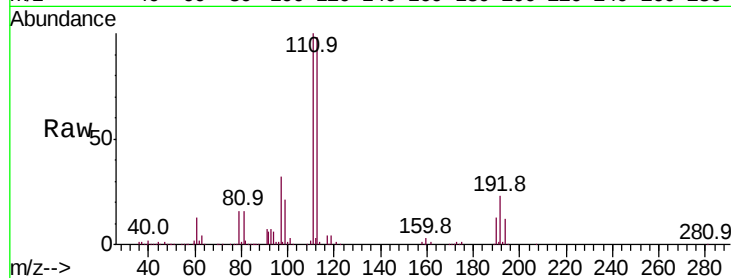
#35
 Dibromofluoromethane
 Concen: 50.401 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBSD02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.4
192	23.7	19.2	28.8

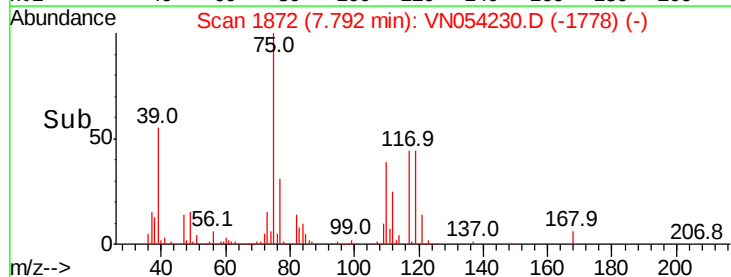
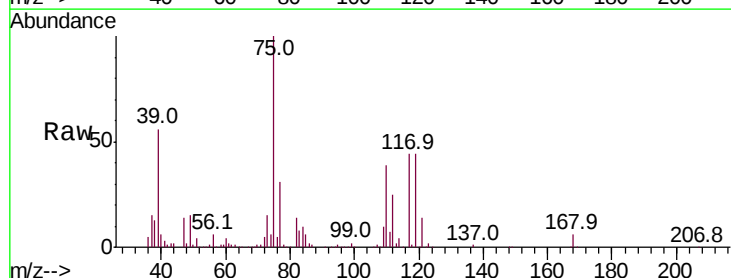
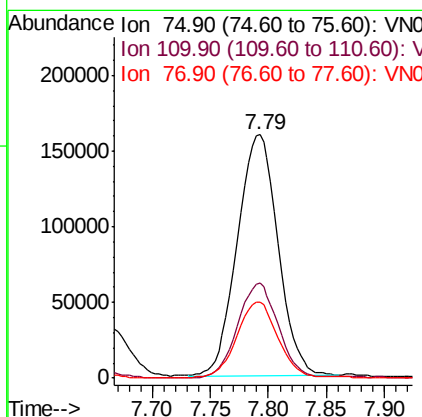
Manual Integrations
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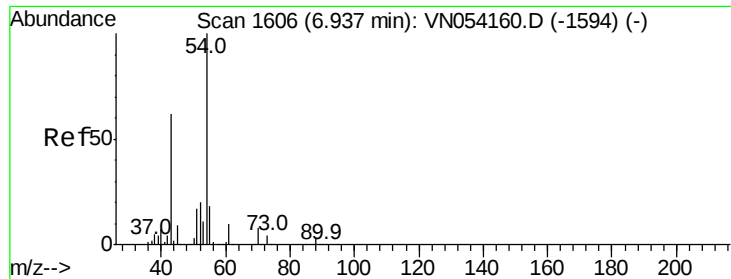
MMDadoda
 3/14/2019 10:28:22 AM



#36
 1,1-Dichloropropene
 Concen: 19.990 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.3	19.1	57.5
77	32.2	25.0	37.4





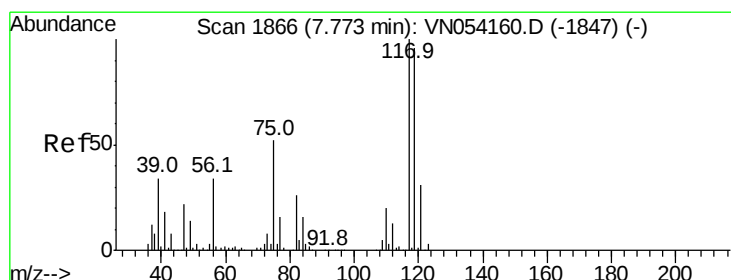
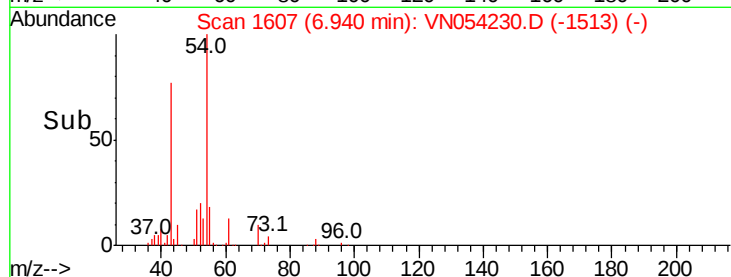
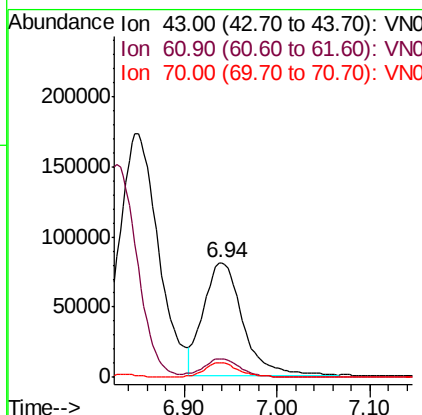
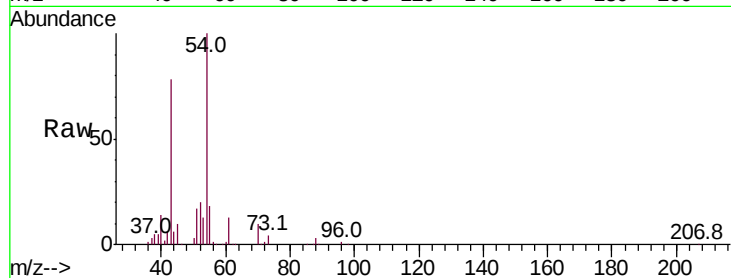
#37
Ethyl Acetate
Concen: 21.095 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.8	17.6
70	10.8	8.4	12.6

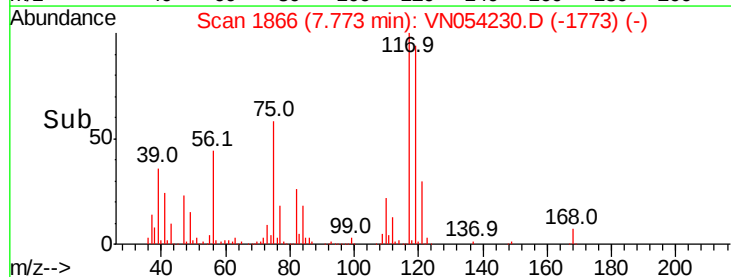
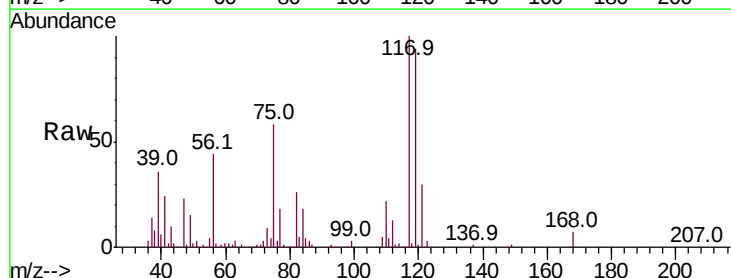
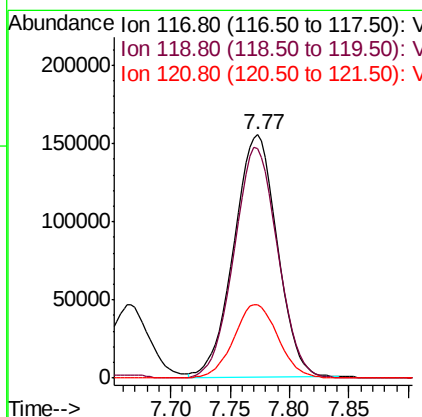
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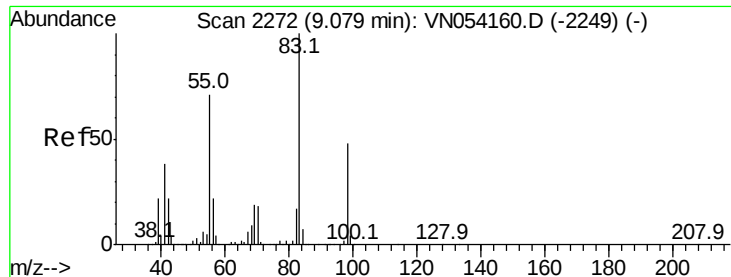
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#38
Carbon Tetrachloride
Concen: 19.083 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.3	114.5
121	30.2	24.6	36.8





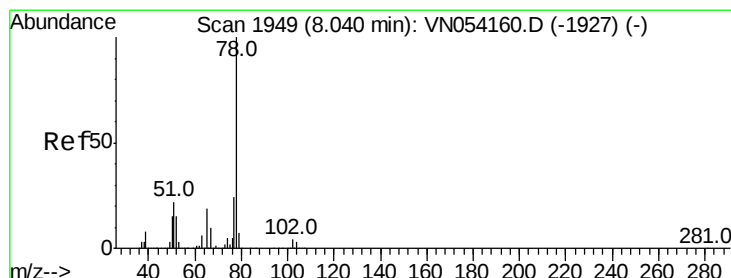
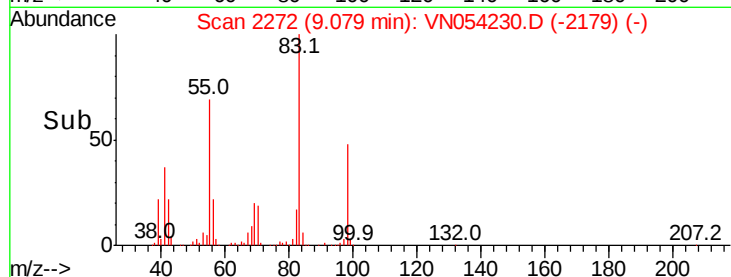
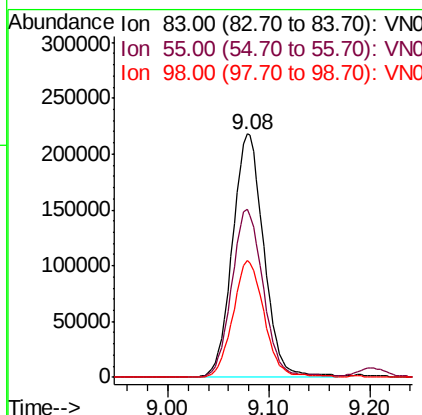
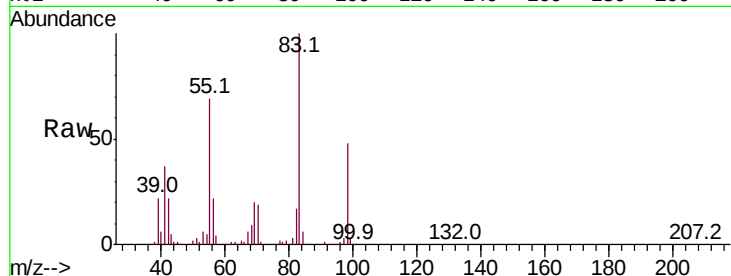
#39
Methvlcvclohexane
Concen: 19.611 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.8	56.6	84.8
98	47.8	38.4	57.6

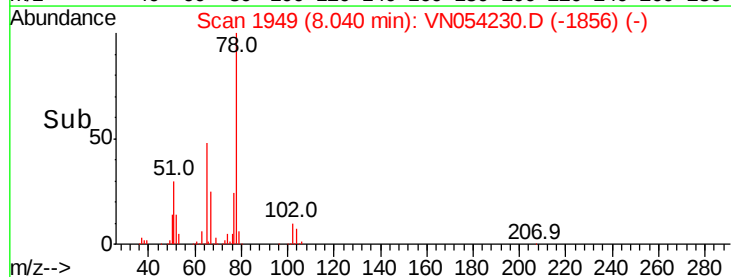
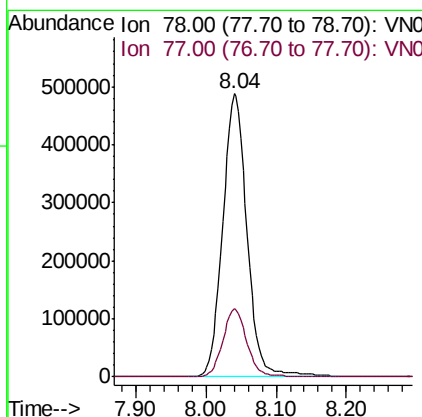
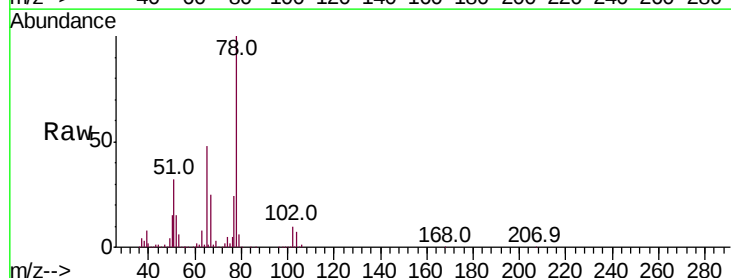
Manual Integrations
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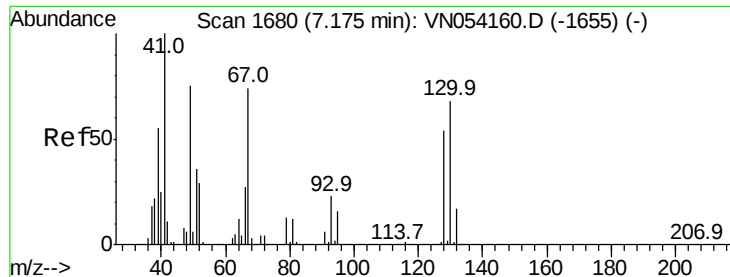
MMDadoda
3/14/2019 10:28:22 AM



#40
Benzene
Concen: 21.040 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7





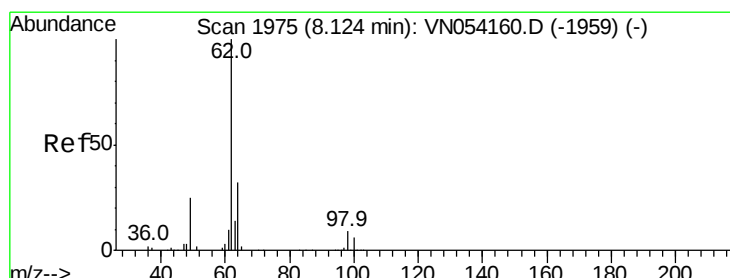
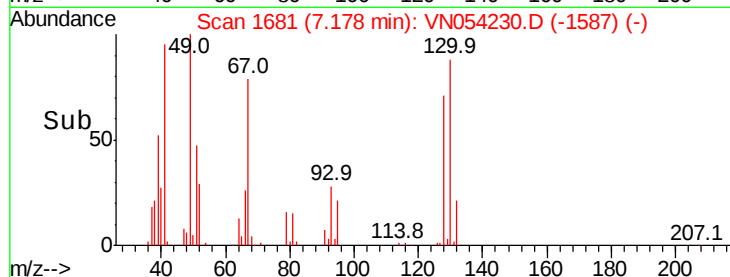
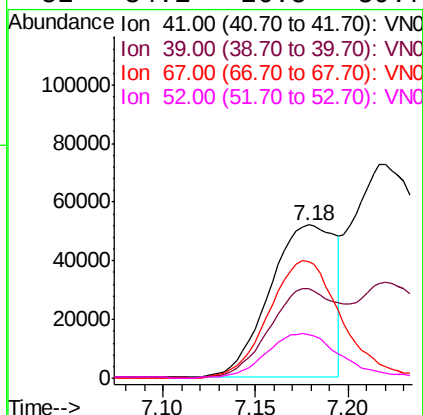
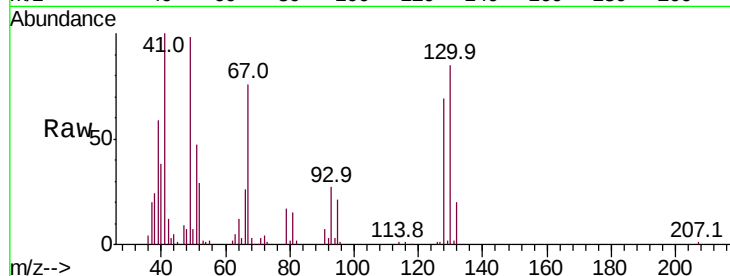
#41
Methacrylonitrile
Concen: 20.000 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	63.6	46.8	70.2	
67	86.2	67.0	100.4	
52	34.1	26.5	39.7	

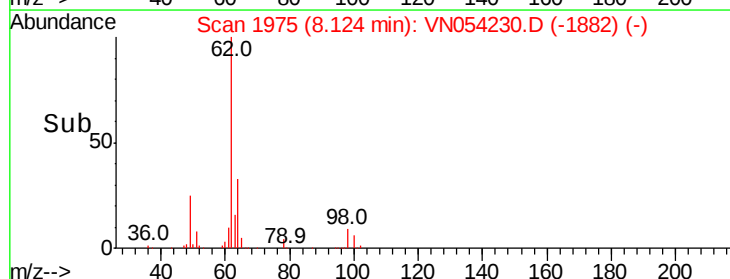
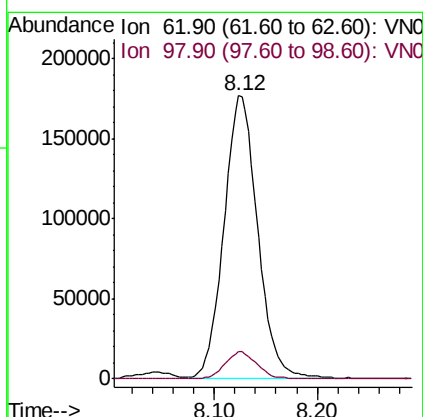
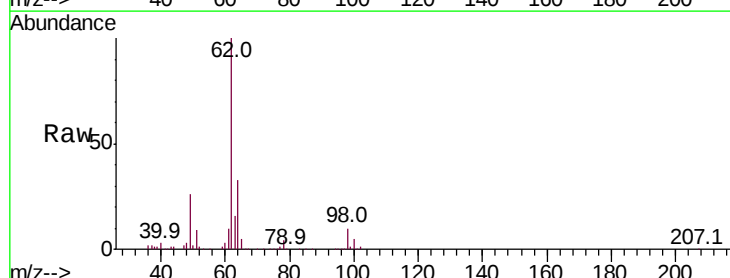
Manual Integrations
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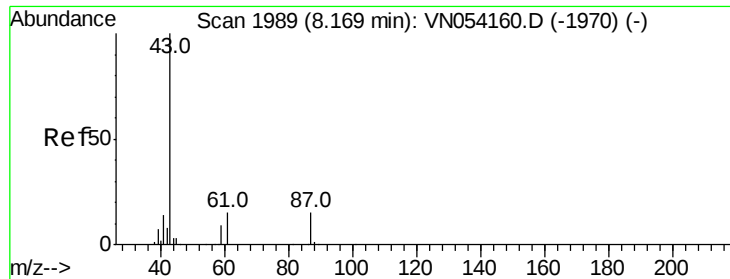
MMDadoda
3/14/2019 10:28:22 AM



#42
1,2-Dichloroethane
Concen: 21.240 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	18.4	





#43

Isopropyl Acetate

Concen: 19.891 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

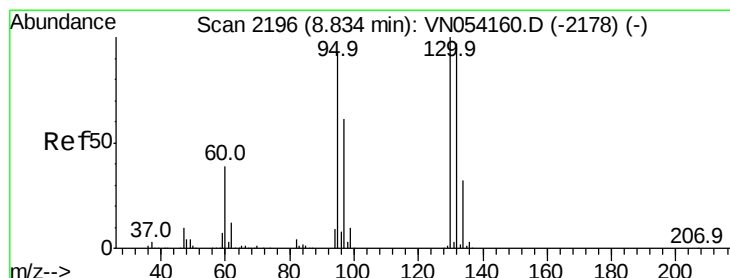
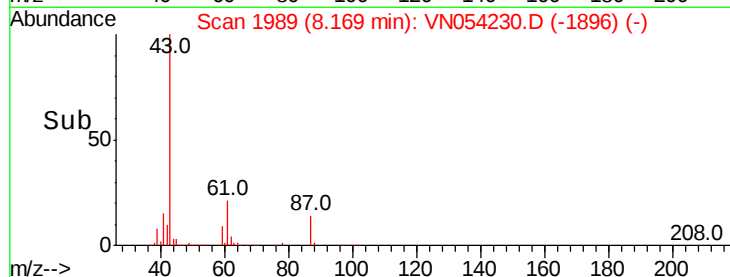
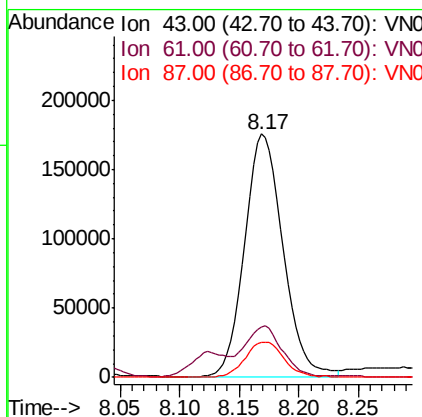
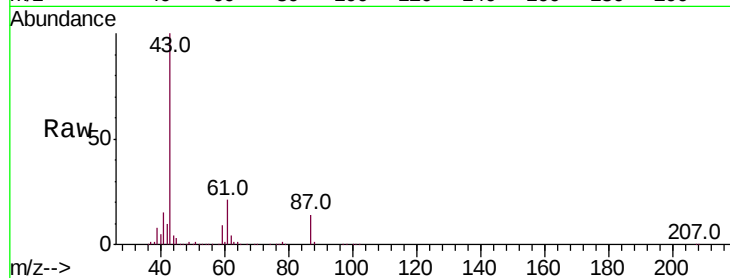
ClientSampleId :

VN0313WBSD02

Tot Ion:	43	Resp:	391552
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.8	23.8
87	14.5	12.0	18.0

Manual Integrations
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#44

Trichloroethene

Concen: 20.930 ug/l

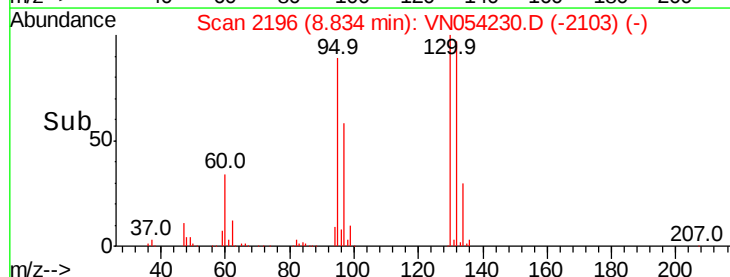
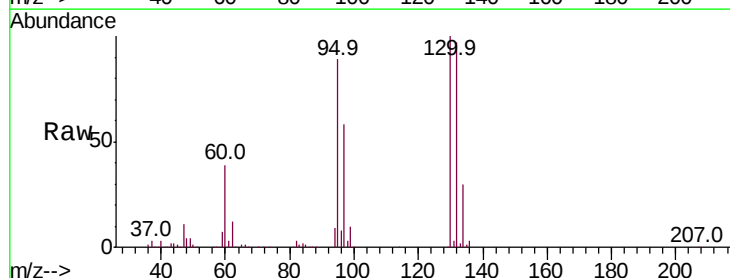
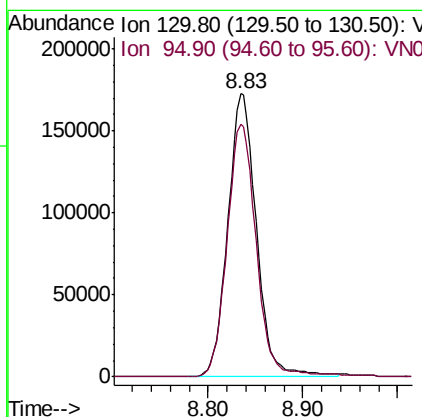
RT: 8.83 min Scan# 2196

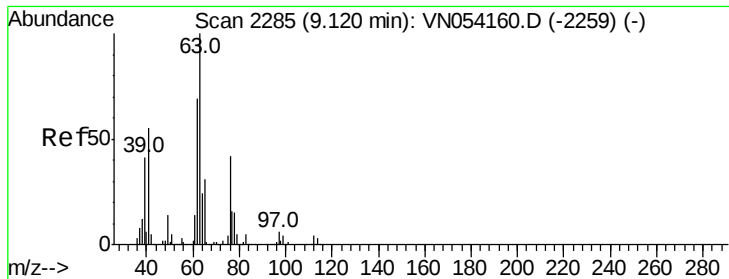
Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Tgt Ion:	130	Resp:	363153
Ion	Ratio	Lower	Upper
130	100		
95	89.2	0.0	185.2





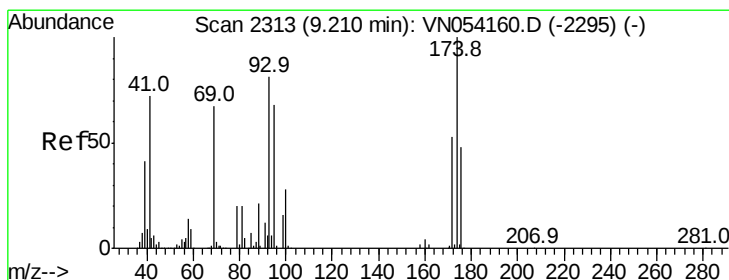
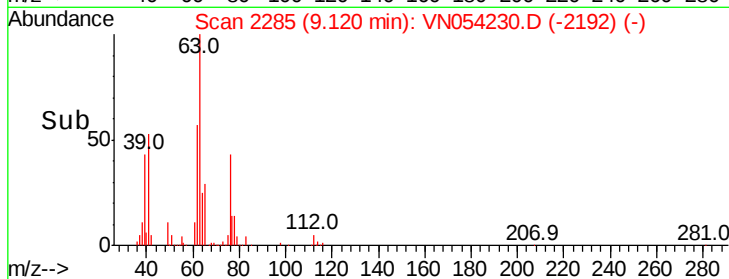
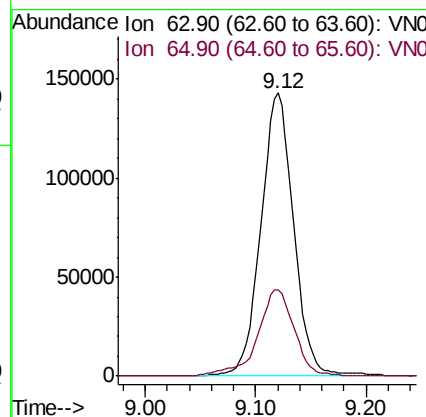
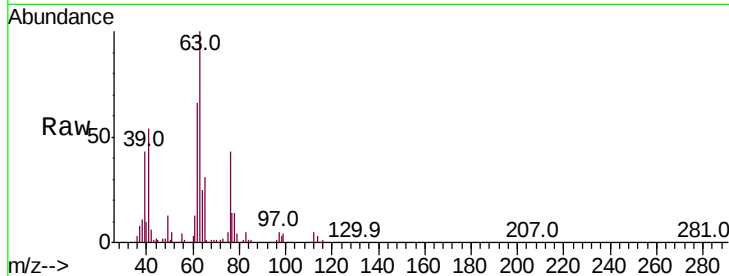
#45
 1,2-Dichloropropane
 Concen: 21.123 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.0	37.6

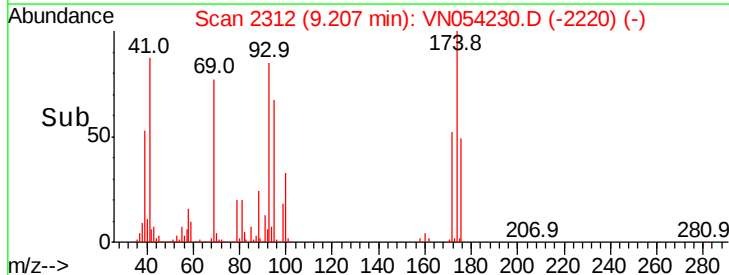
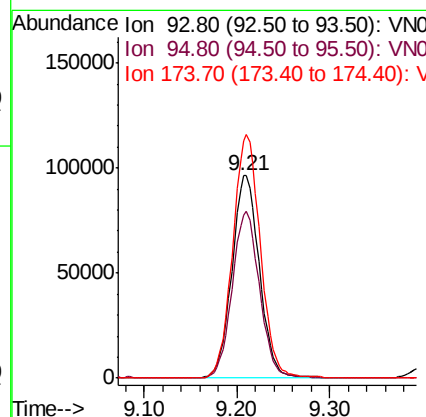
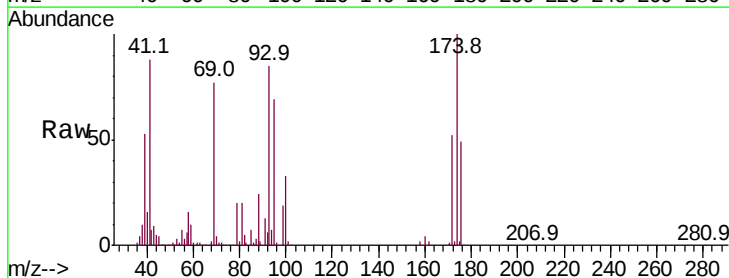
Manual Integrations
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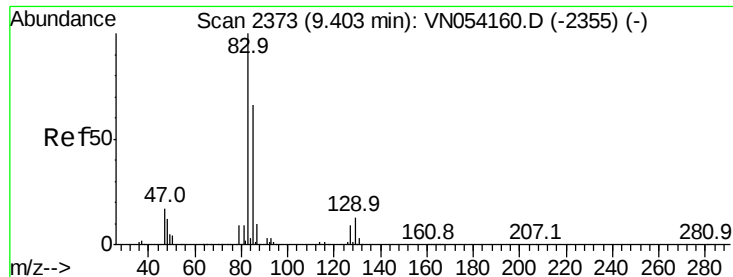
MMDadoda
 3/14/2019 10:28:22 AM



#46
 Dibromomethane
 Concen: 21.153 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.9	66.7	100.1
174	120.5	98.5	147.7





#47

Bromodichloromethane

Concen: 20.536 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

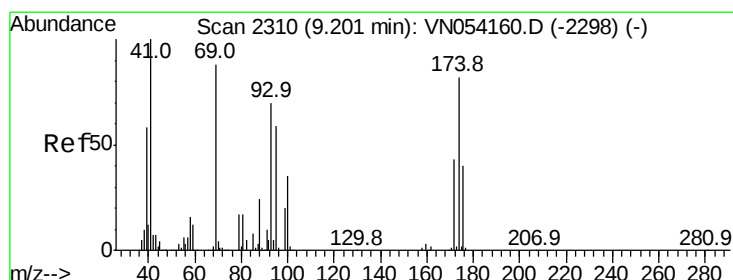
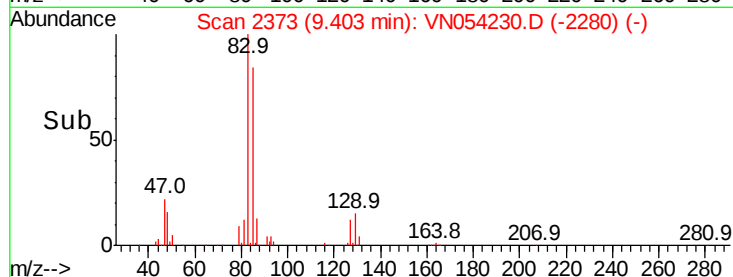
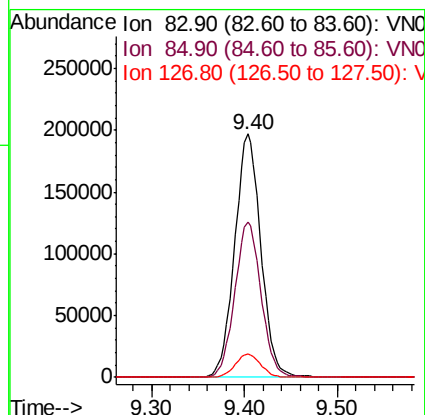
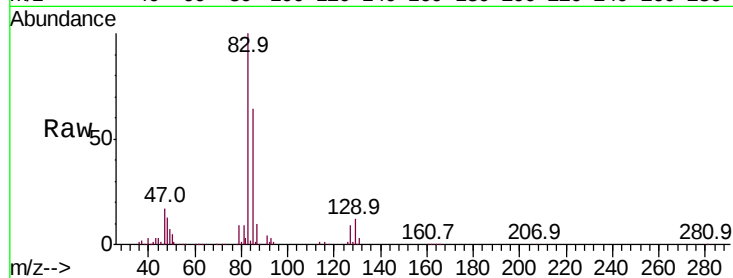
ClientSampleId :

VN0313WBSD02

Tot Ion:	83	Resp:	385776
Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.8	79.2
127	9.4	7.4	11.2

Manual Integrations
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MMDadoda
3/14/2019 10:28:22 AM



#48

Methyl methacrylate

Concen: 21.240 ug/l

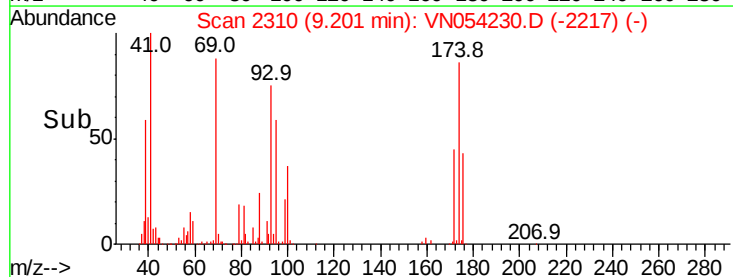
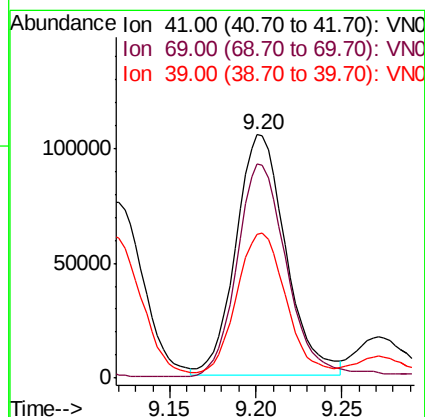
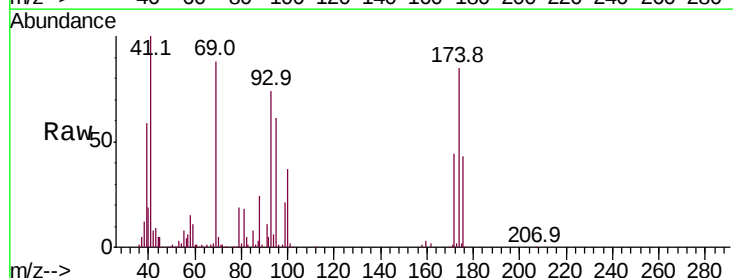
RT: 9.20 min Scan# 2310

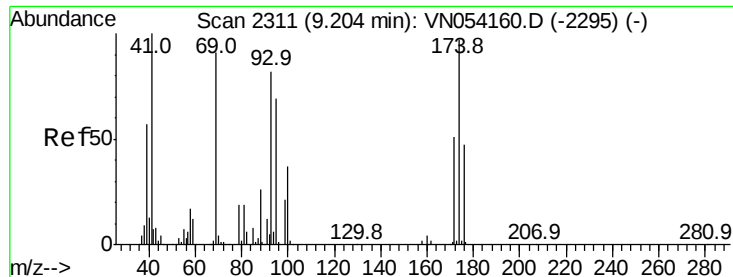
Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Tgt Ion:	41	Resp:	212183
Ion	Ratio	Lower	Upper
41	100		
69	89.4	72.6	108.8
39	59.0	47.5	71.3





#49

1,4-Dioxane

Concen: 445.314 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.01 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

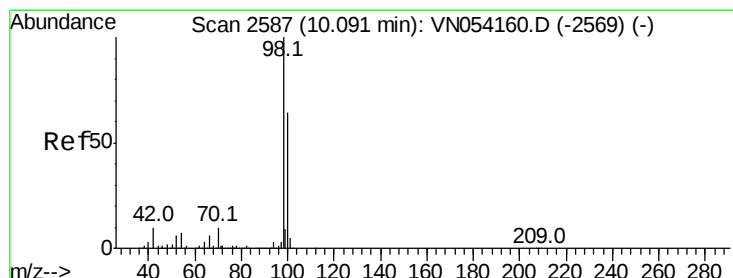
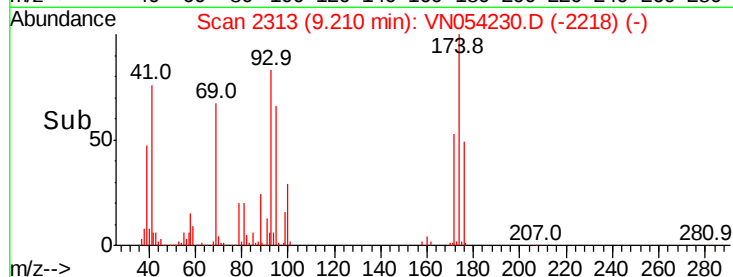
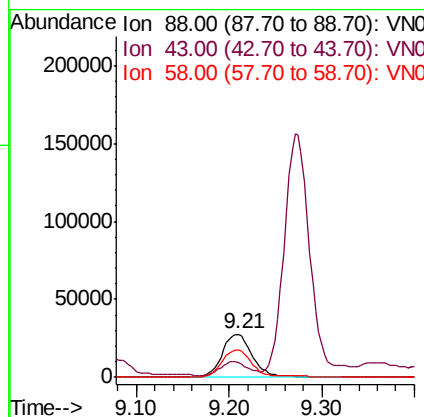
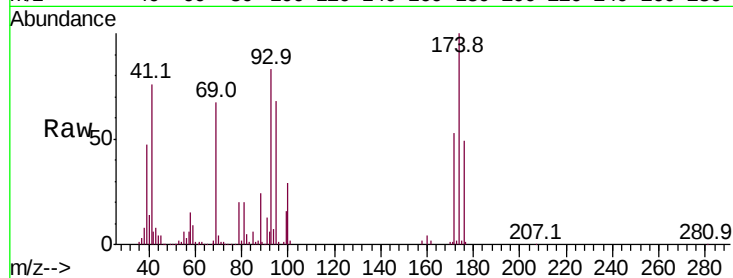
ClientSampleId :

VN0313WBSD02

Tot Ion:	88	Resp:	62925
Ion	Ratio	Lower	Upper
88	100		
43	28.1	24.1	36.1
58	61.7	50.8	76.2

Manual Integrations
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#50

Toluene-d8

Concen: 48.984 ug/l

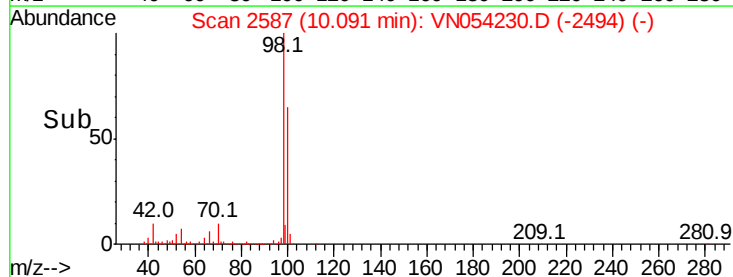
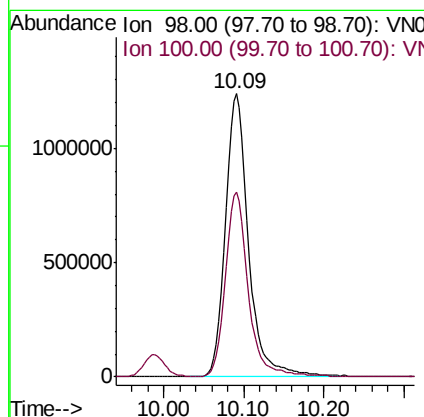
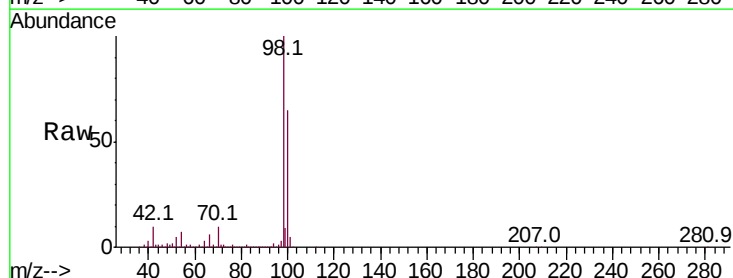
RT: 10.09 min Scan# 2587

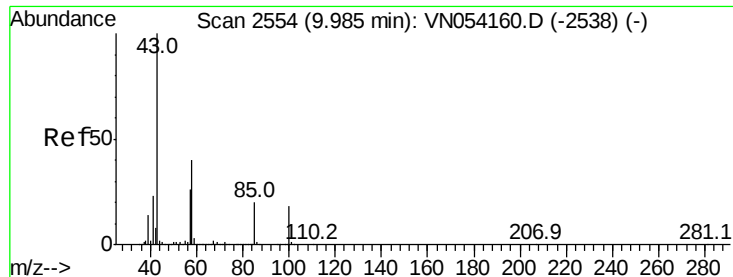
Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Tgt Ion:	98	Resp:	2472852
Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 106.296 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD02

Tot Ion: 43 Resp: 1107328

Ion Ratio Lower Upper

43 100

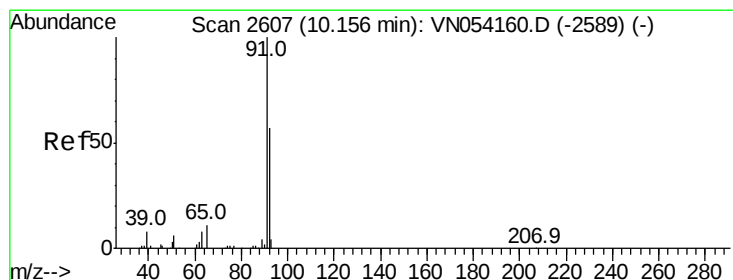
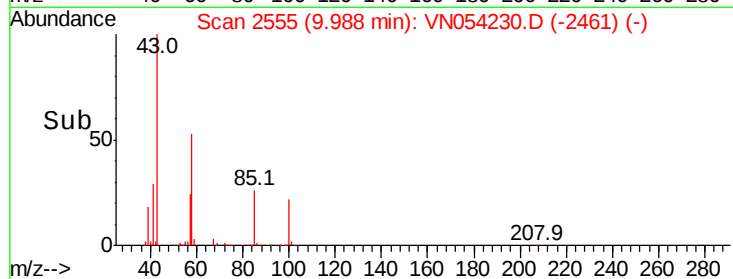
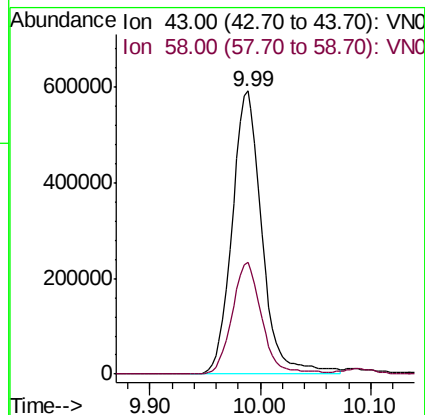
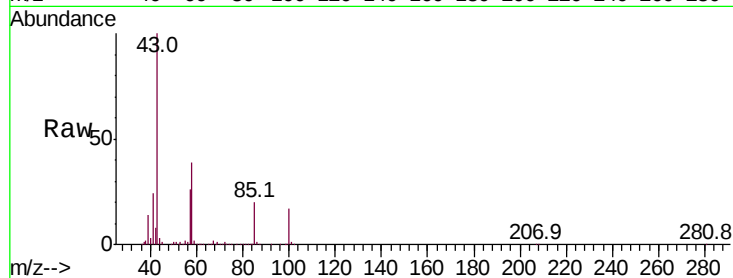
58 39.4 31.8 47.6

Manual Integrations

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#52

Toluene

Concen: 20.873 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054230.D

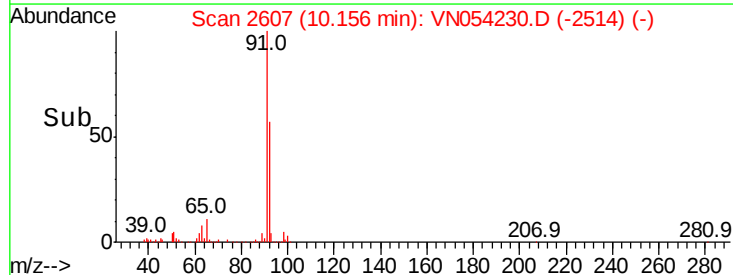
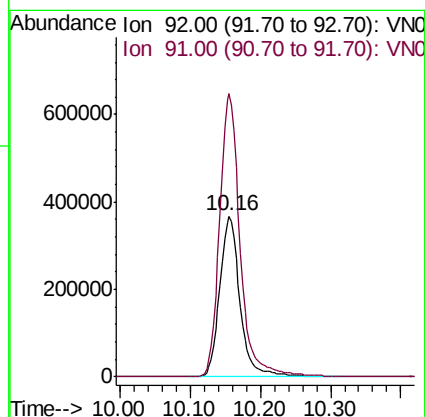
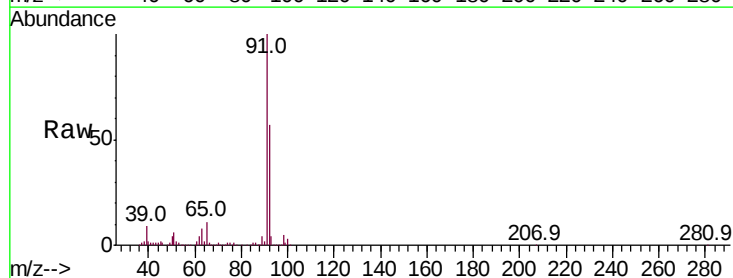
Acq: 14 Mar 2019 00:00

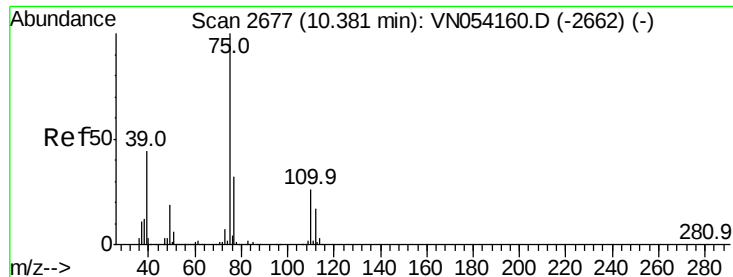
Tgt Ion: 92 Resp: 739194

Ion Ratio Lower Upper

92 100

91 176.9 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 17.829 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

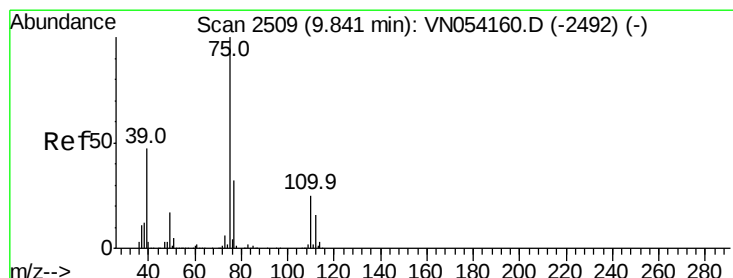
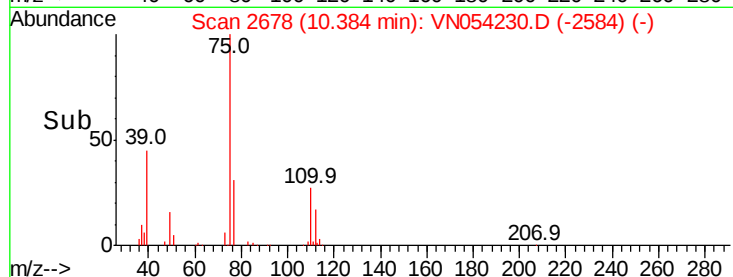
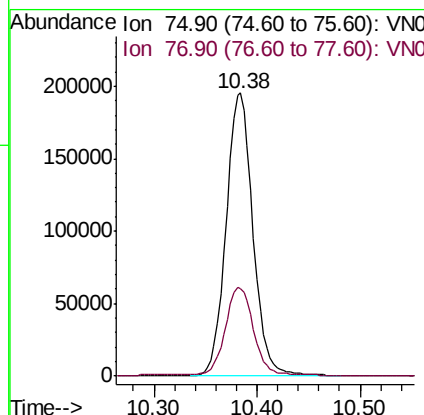
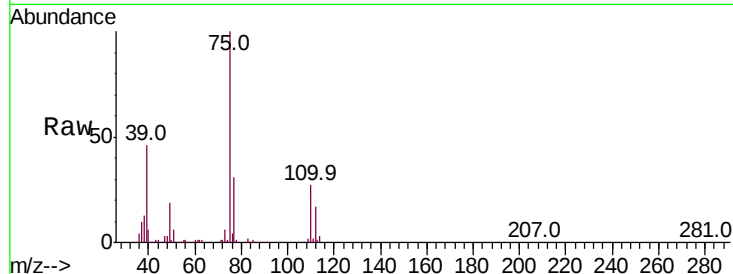
Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD02

Tot Ion: 75 Resp: 354493

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.8	38.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 19.447 ug/l

RT: 9.84 min Scan# 2509

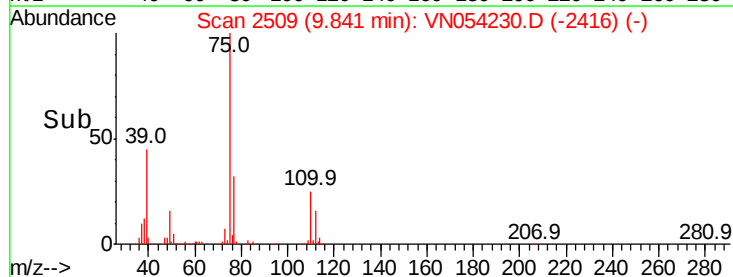
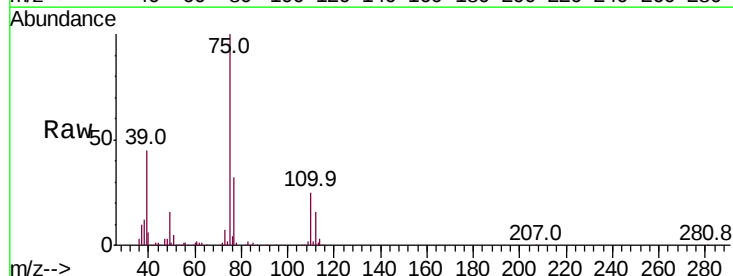
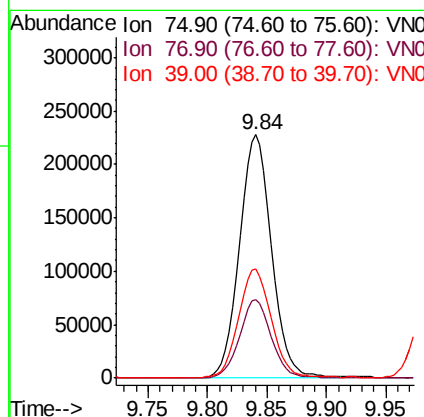
Delta R.T. 0.00 min

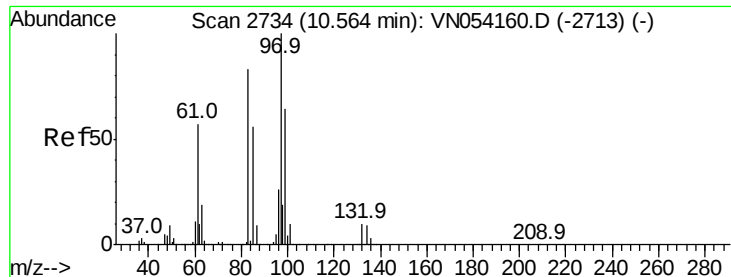
Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Tgt Ion: 75 Resp: 425708

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0
39	44.5	37.2	55.8





#55

1,1,2-Trichloroethane

Concen: 21.004 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

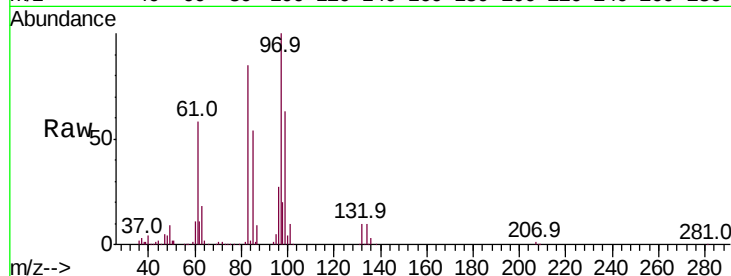
ClientSampleId :

VN0313WBSD02

Tot Ion:	97	Resp:	271604
Ion	Ratio	Lower	Upper
97	100		
83	84.9	66.6	100.0
85	54.3	44.4	66.6
99	62.4	50.8	76.2

Manual Integrations
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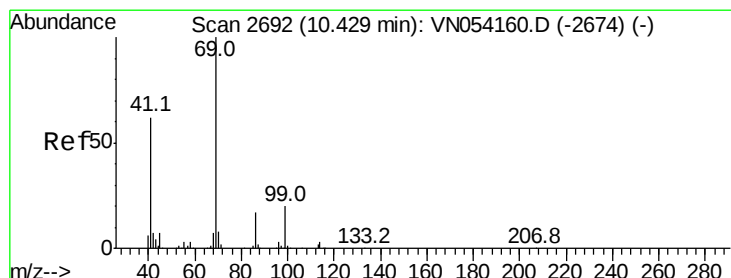
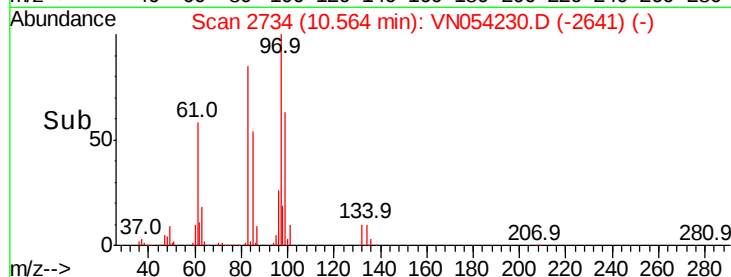
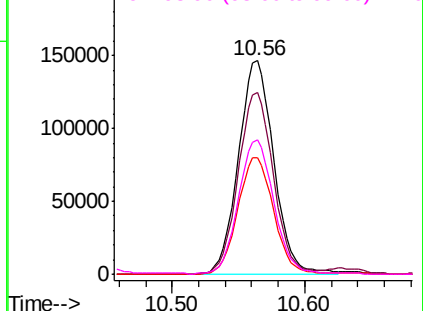


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.732 ug/l

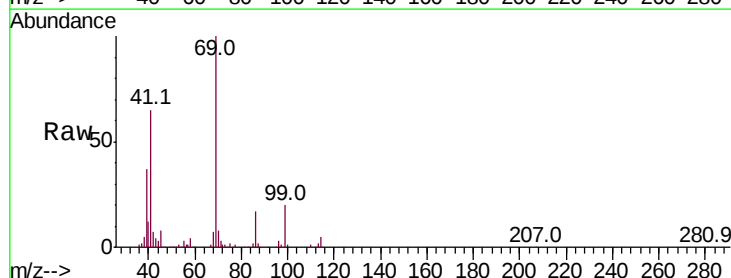
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

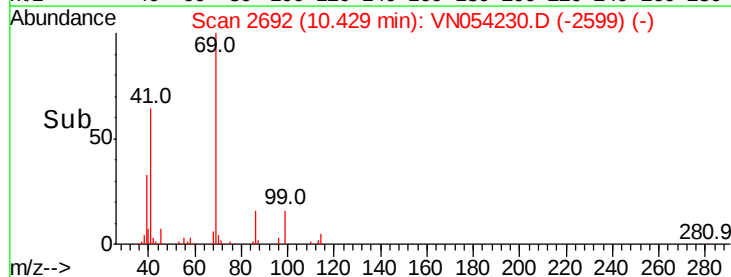
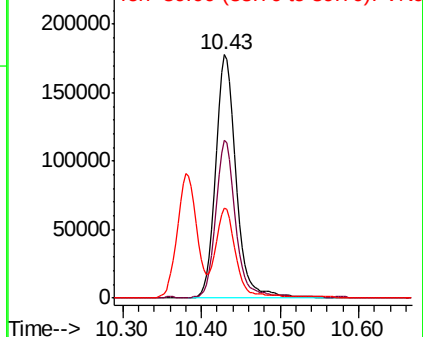
Tgt Ion:	69	Resp:	319663
Ion	Ratio	Lower	Upper
69	100		
41	62.3	49.4	74.2
39	35.2	28.3	42.5

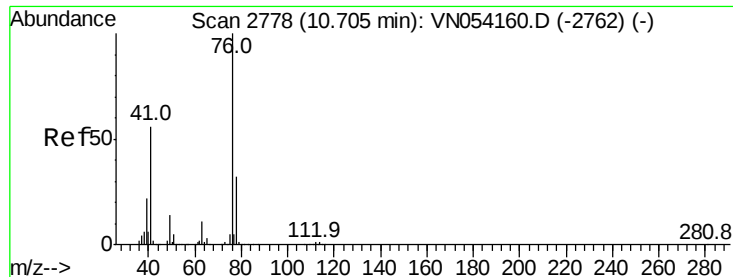


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.155 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD02

Tot Ion: 76 Resp: 447293

Ion Ratio Lower Upper

76 100

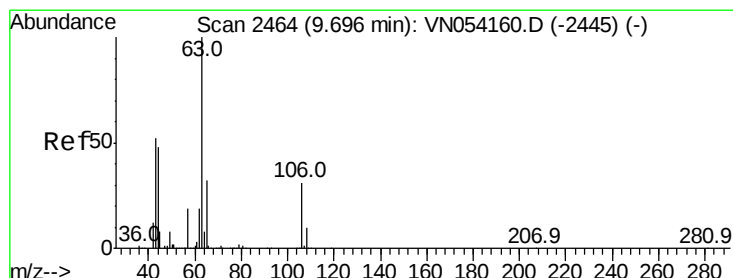
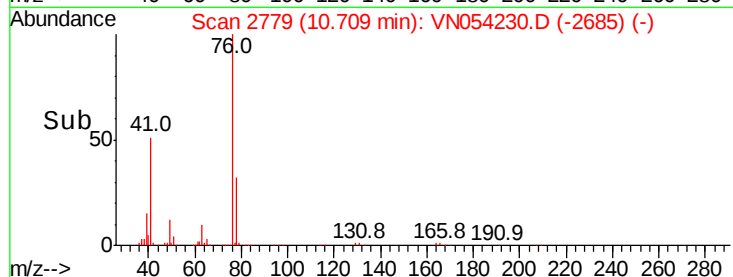
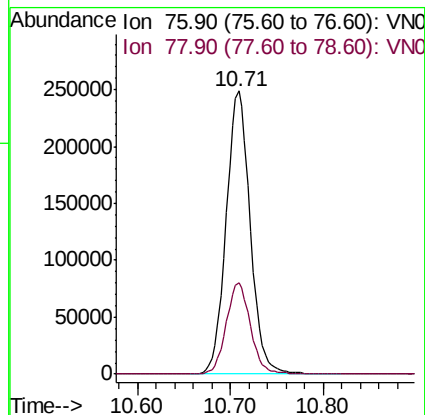
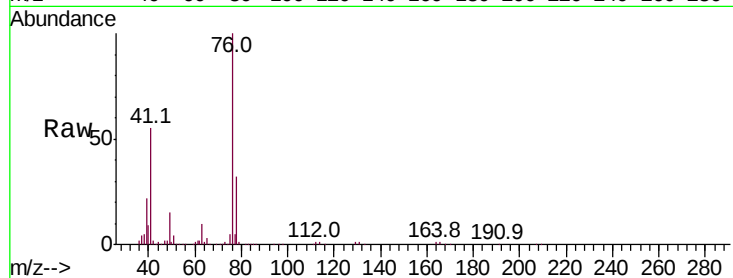
78 32.5 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 101.675 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054230.D

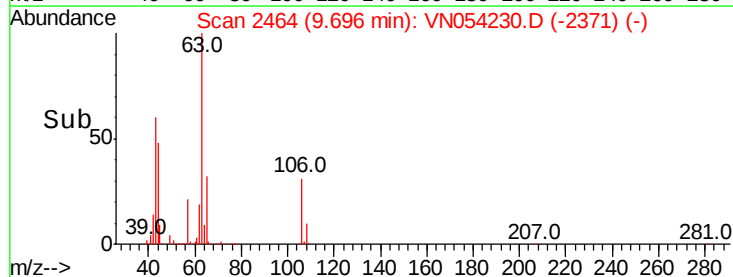
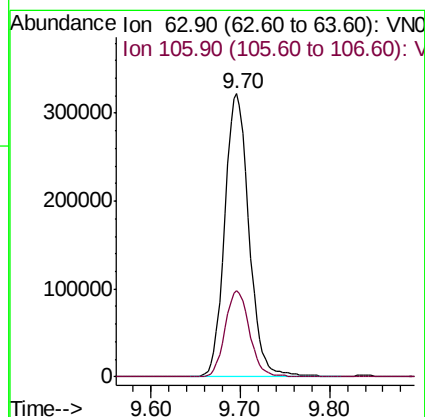
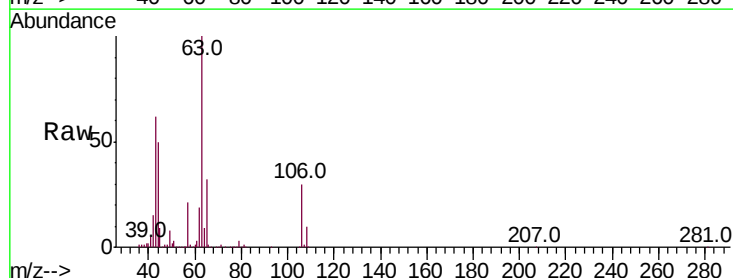
Acq: 14 Mar 2019 00:00

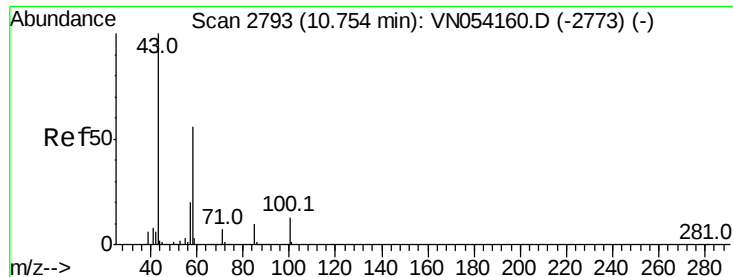
Tgt Ion: 63 Resp: 608525

Ion Ratio Lower Upper

63 100

106 30.6 24.4 36.6





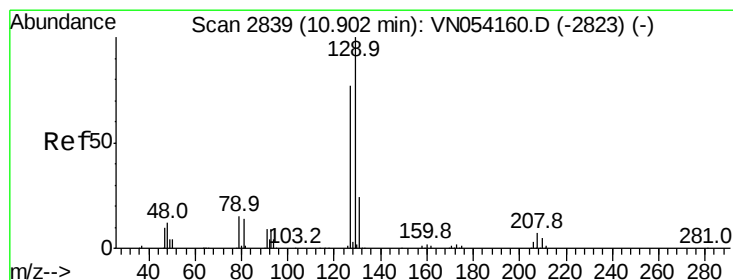
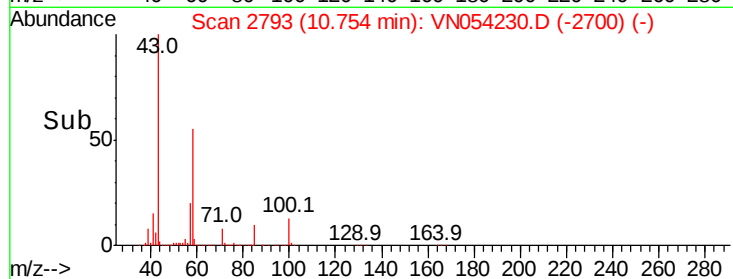
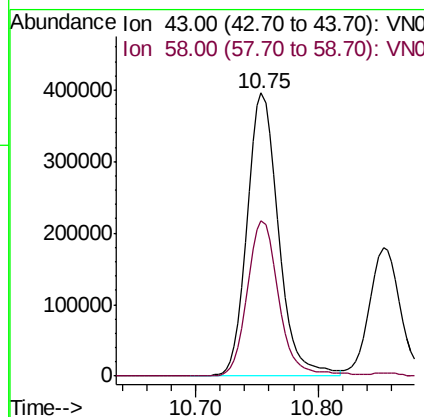
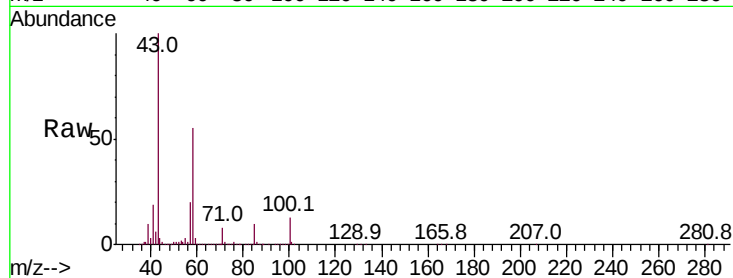
#59
2-Hexanone
Concen: 100.499 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.5	28.0	83.9

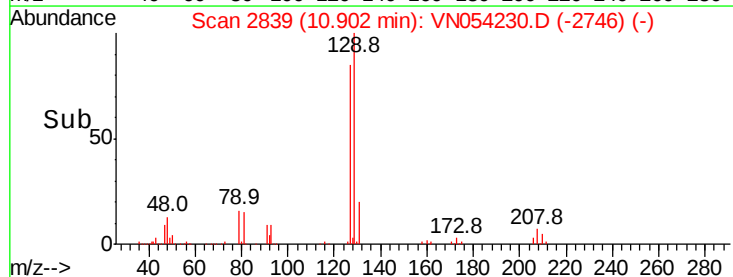
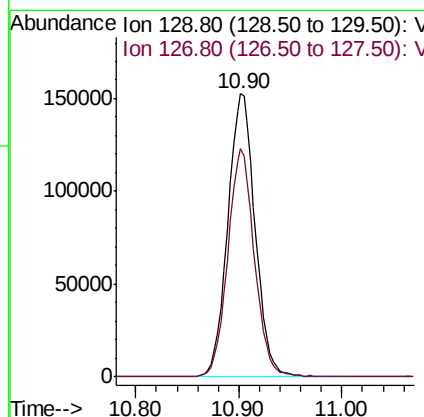
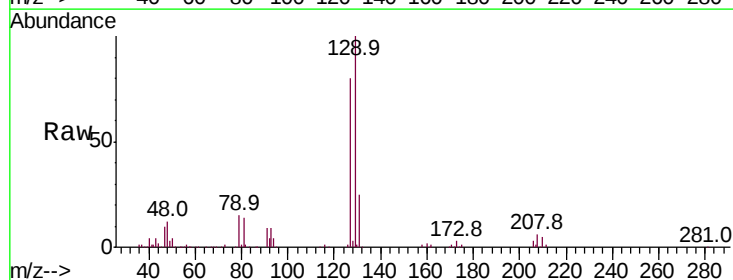
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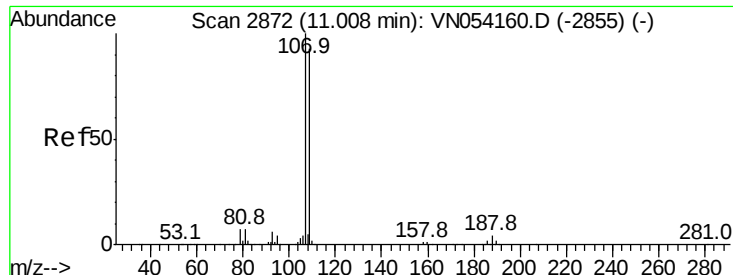
MMDadoda
3/14/2019 10:28:22 AM



#60
Dibromochloromethane
Concen: 19.352 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.6	115.8





#61

1,2-Dibromoethane

Concen: 20.932 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD02

Tot Ion:107 Resp: 275064

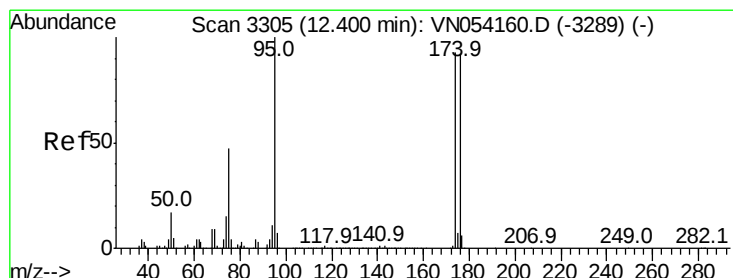
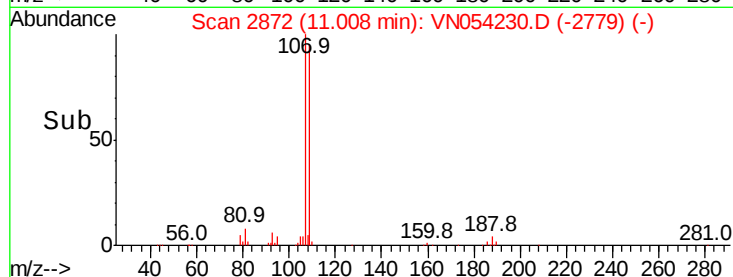
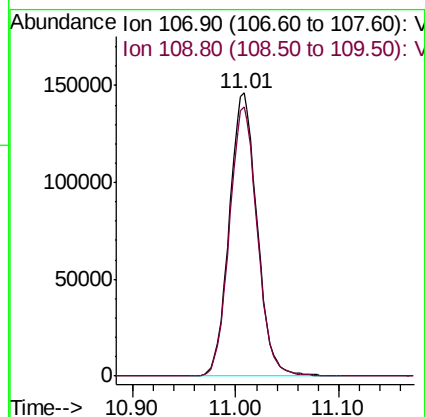
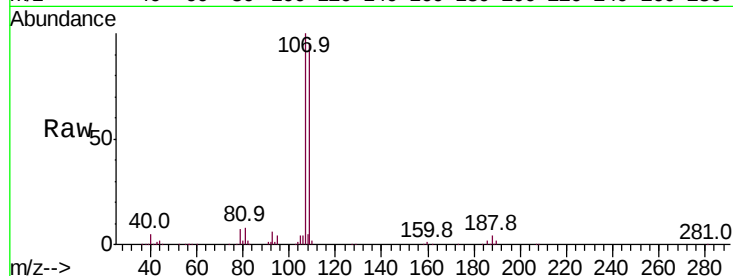
Ion Ratio Lower Upper

107 100

109 95.0 75.9 113.9

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#62

4-Bromofluorobenzene

Concen: 48.523 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

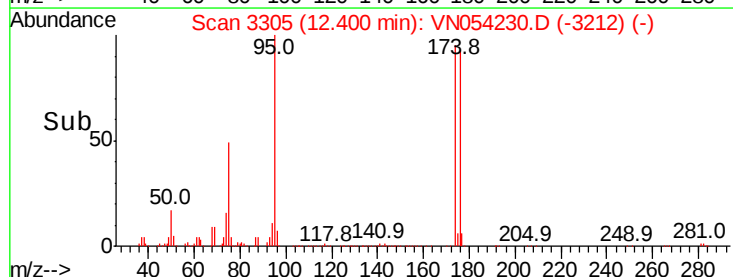
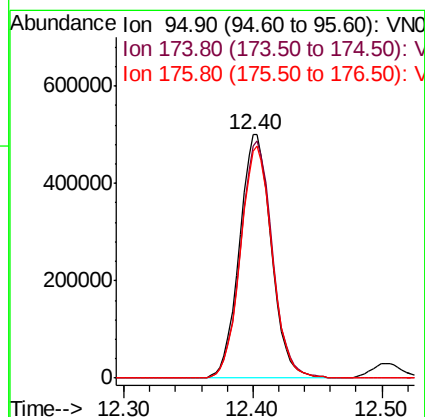
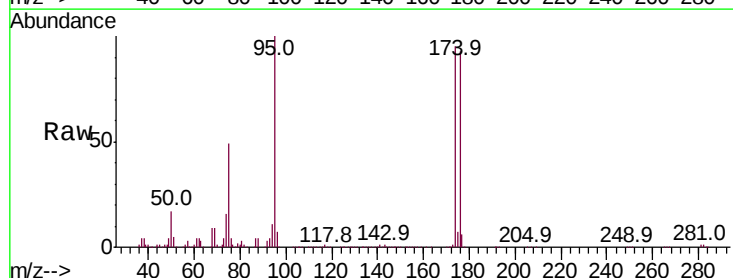
Tgt Ion: 95 Resp: 857105

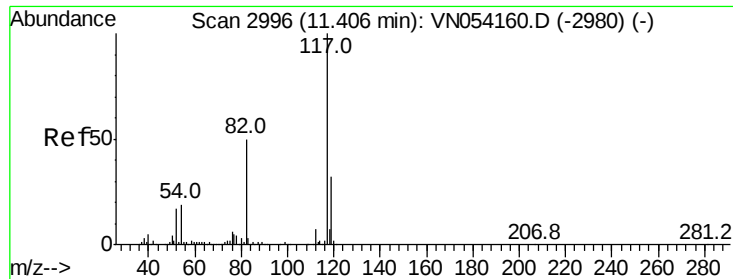
Ion Ratio Lower Upper

95 100

174 97.6 0.0 191.0

176 94.9 0.0 187.4





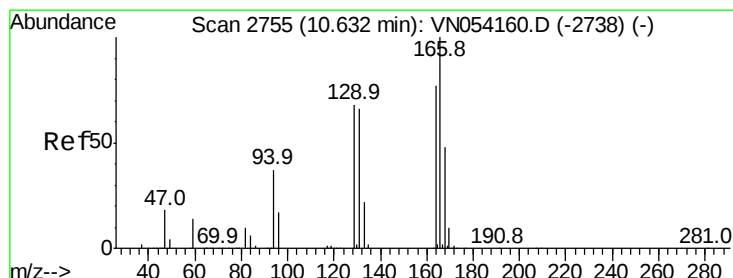
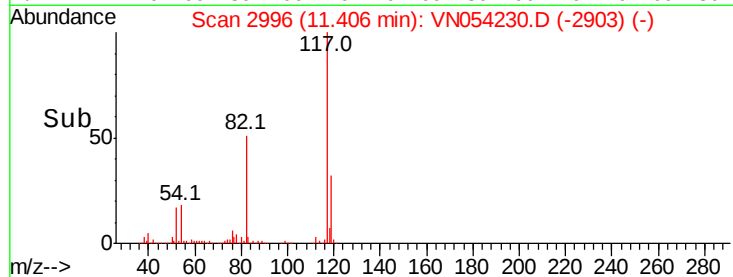
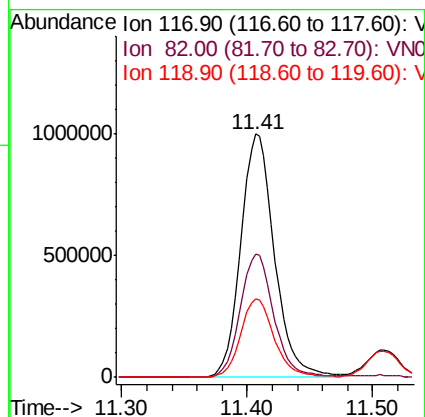
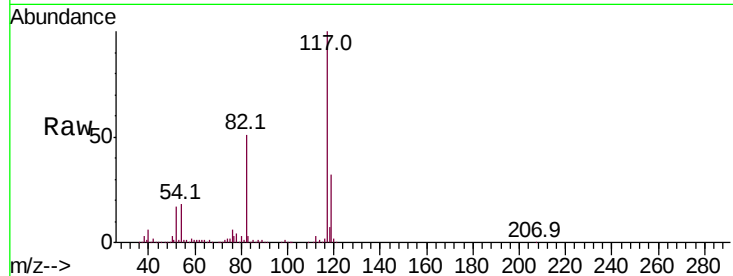
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD02

Tot Ion:117 Resp: 1870065
Ion Ratio Lower Upper
117 100
82 50.8 40.0 60.0
119 32.3 25.8 38.6

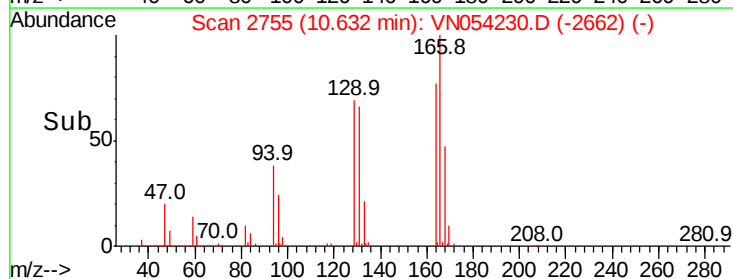
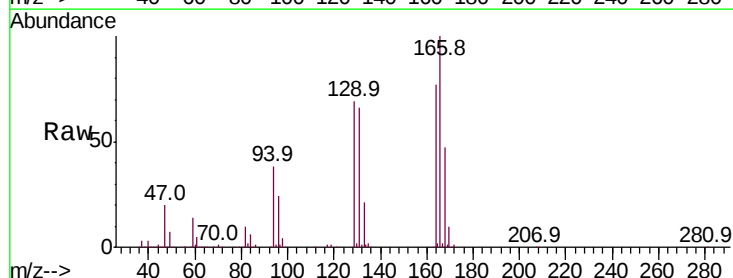
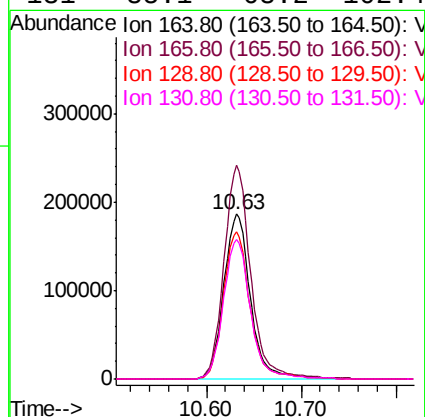
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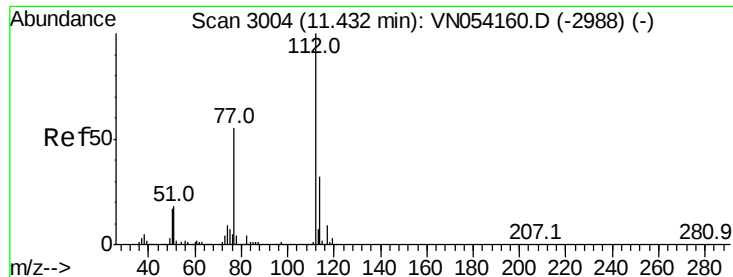
MMDadoda
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#64
Tetrachloroethene
Concen: 20.304 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion:164 Resp: 367109
Ion Ratio Lower Upper
164 100
166 129.8 103.9 155.9
129 89.9 71.1 106.7
131 85.1 68.2 102.4





#65

Chlorobenzene

Concen: 20.824 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD02

Tot Ion:112 Resp: 855057

Ion Ratio Lower Upper

112 100

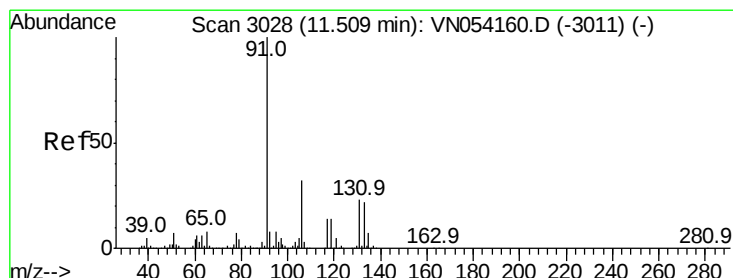
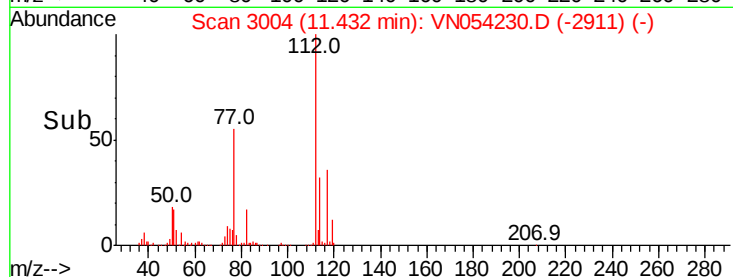
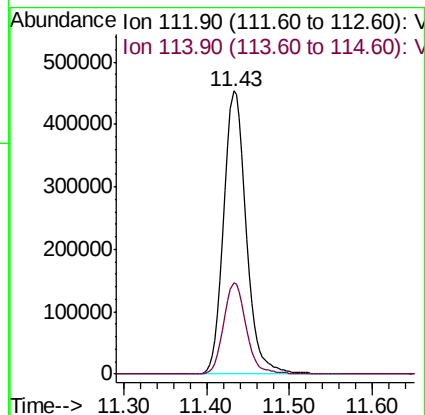
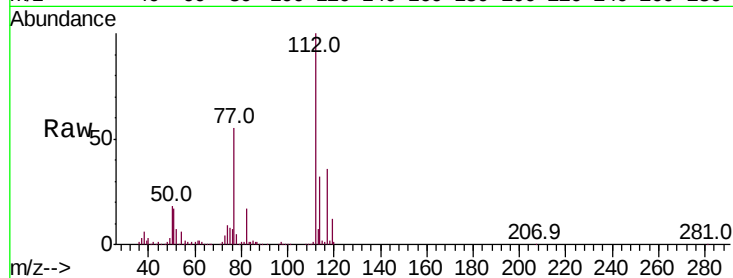
114 32.1 25.9 38.9

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.028 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

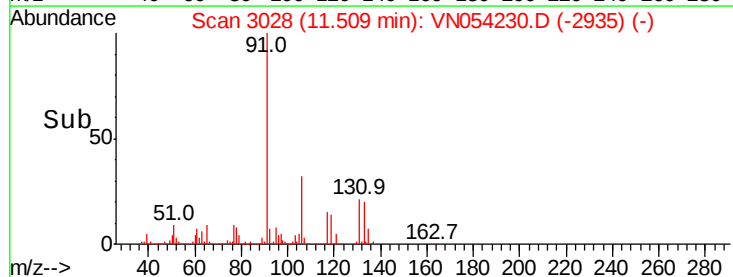
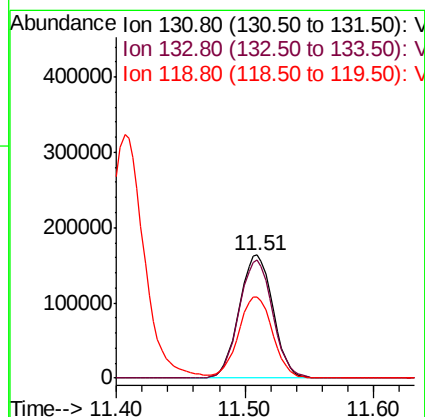
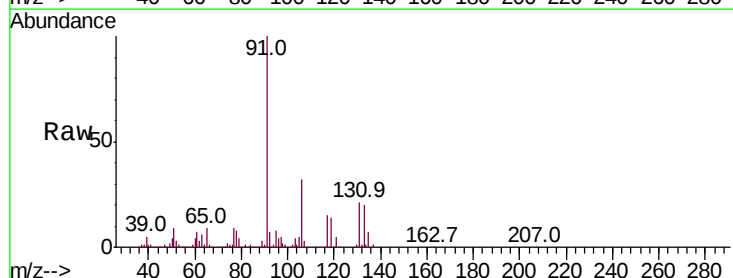
Tgt Ion:131 Resp: 298747

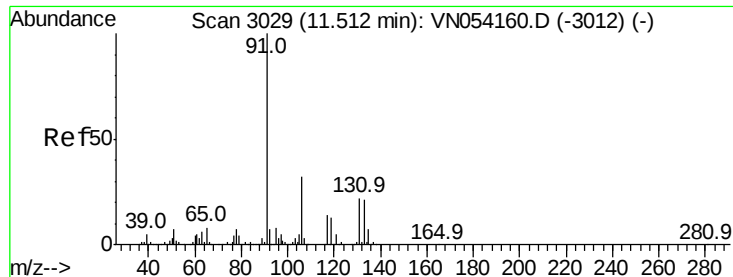
Ion Ratio Lower Upper

131 100

133 95.6 47.6 142.9

119 66.4 32.4 97.0





#67

Ethyl Benzene

Concen: 20.514 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD02

Tot Ion: 91 Resp: 1396348

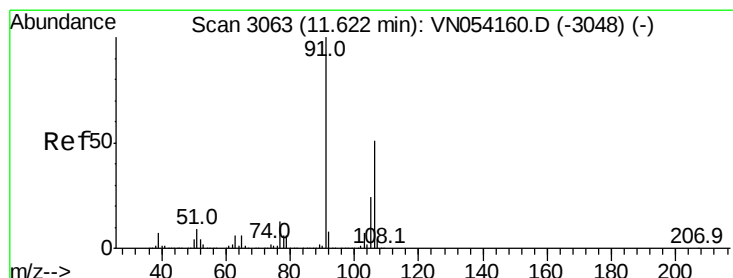
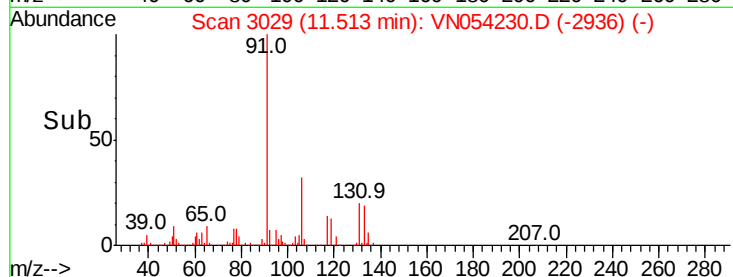
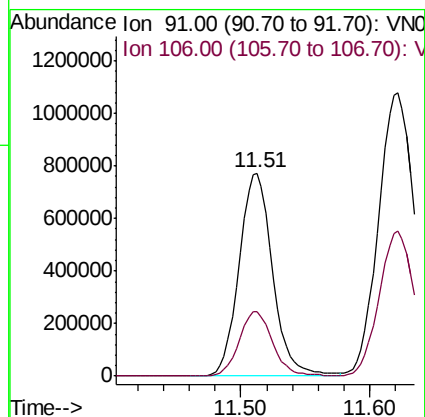
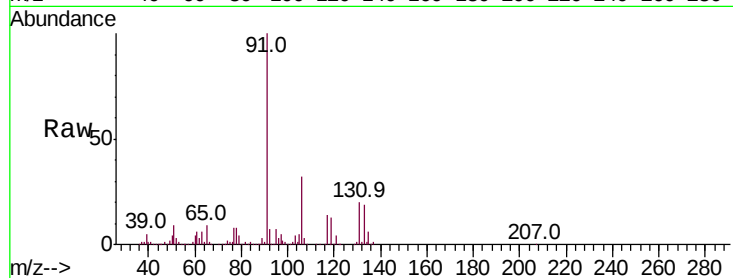
Ion Ratio Lower Upper

91 100

106 31.6 25.5 38.3

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#68

m/p-Xylenes

Concen: 41.077 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054230.D

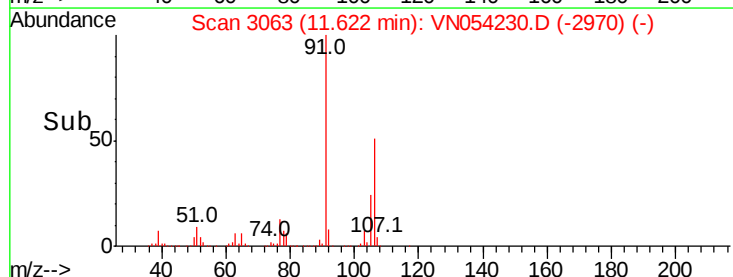
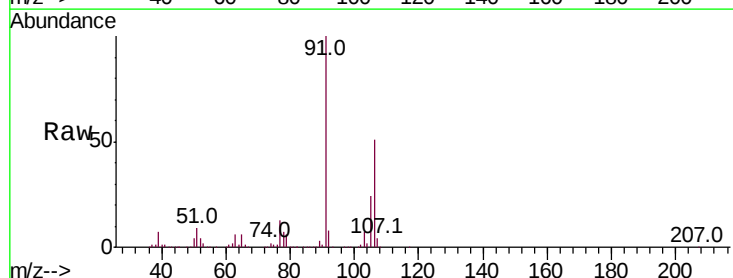
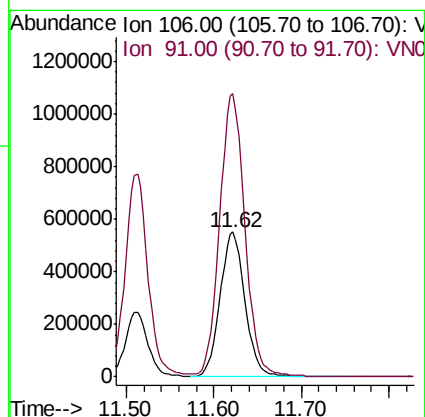
Acq: 14 Mar 2019 00:00

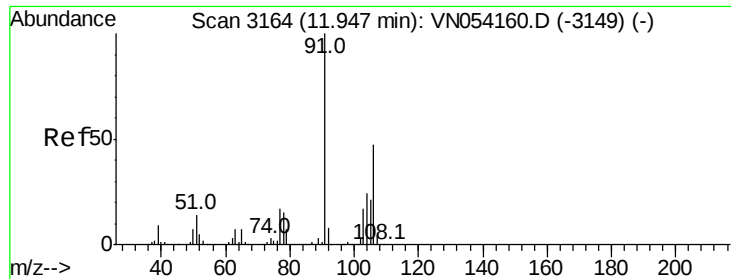
Tgt Ion: 106 Resp: 1092798

Ion Ratio Lower Upper

106 100

91 198.4 159.4 239.2





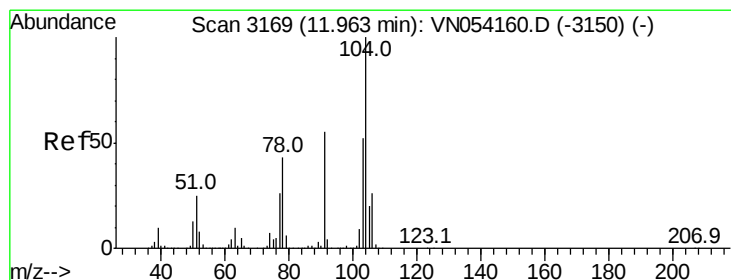
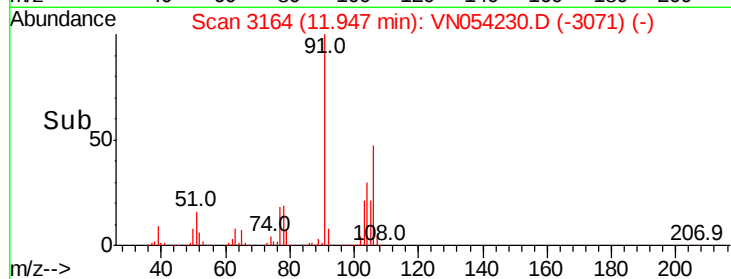
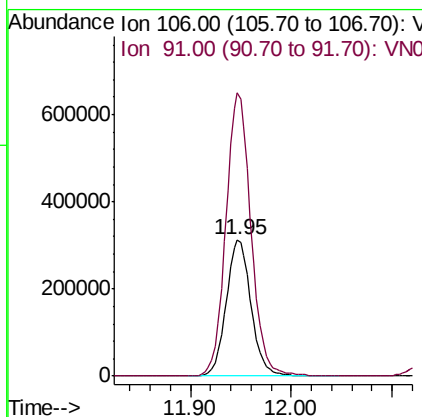
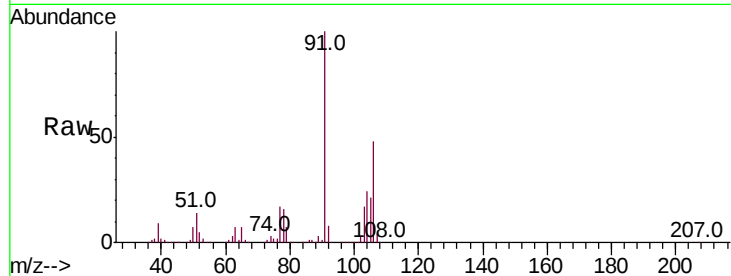
#69
o-Xylene
Concen: 20.706 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD02

Tot Ion:106 Resp: 536997
Ion Ratio Lower Upper
106 100
91 210.2 105.7 317.1

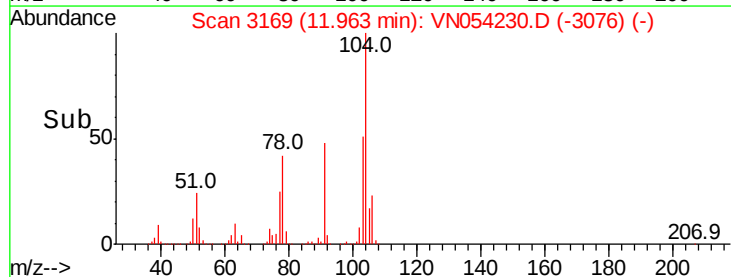
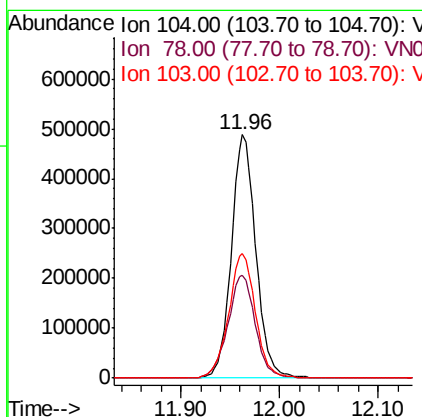
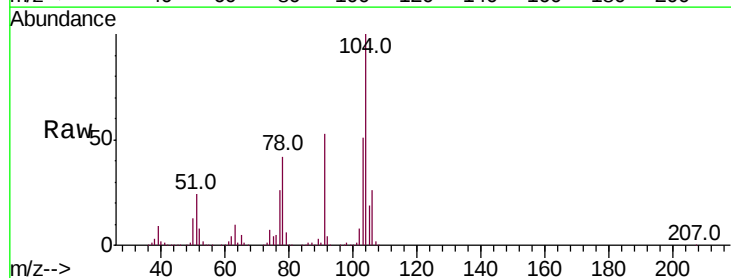
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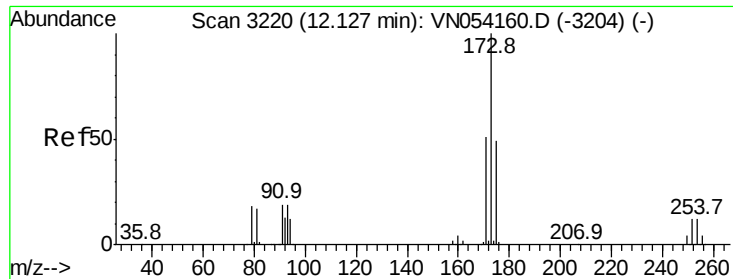
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#70
Styrene
Concen: 20.777 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion:104 Resp: 845063
Ion Ratio Lower Upper
104 100
78 47.5 38.2 57.2
103 55.9 44.4 66.6





#71

Bromoform

Concen: 17.746 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

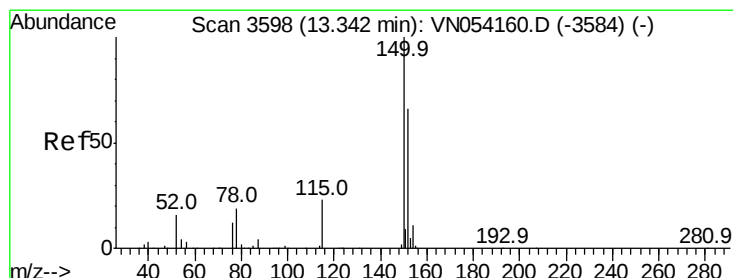
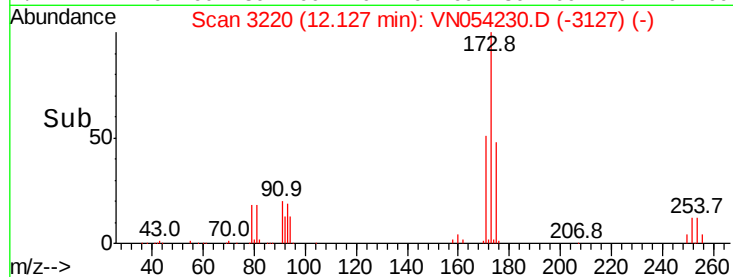
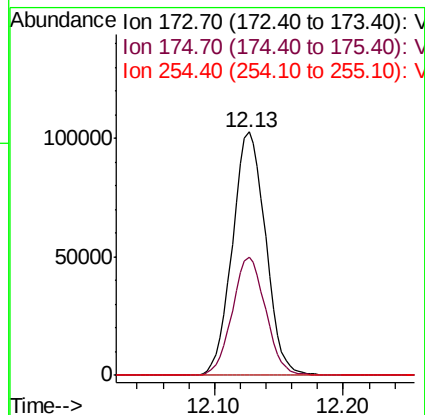
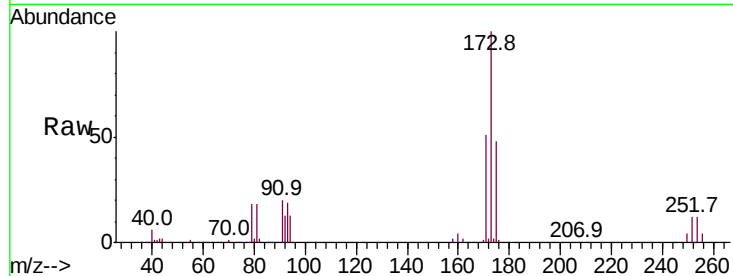
ClientSampleId :

VN0313WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

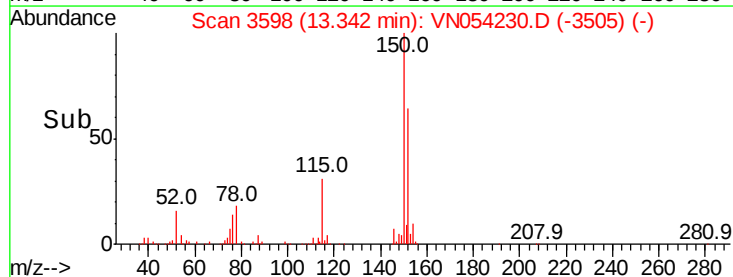
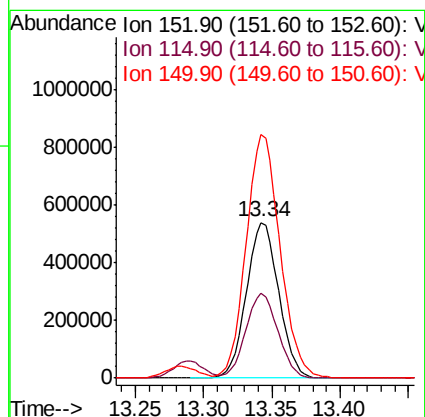
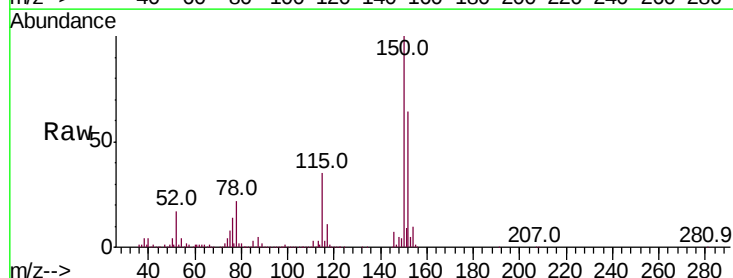
RT: 13.34 min Scan# 3598

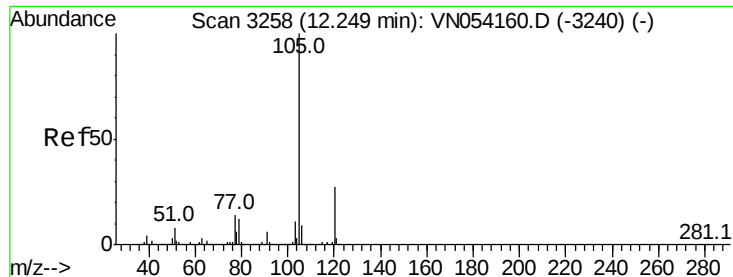
Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.2	81.6
150	164.4	0.0	349.2





#73

Isopropylbenzene

Concen: 20.413 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD02

Tot Ion:105 Resp: 1443961

Ion Ratio Lower Upper

105 100

120 27.2

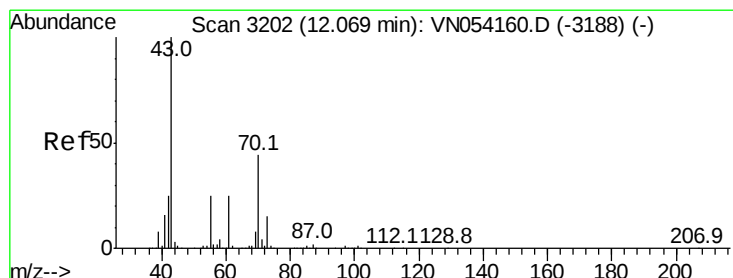
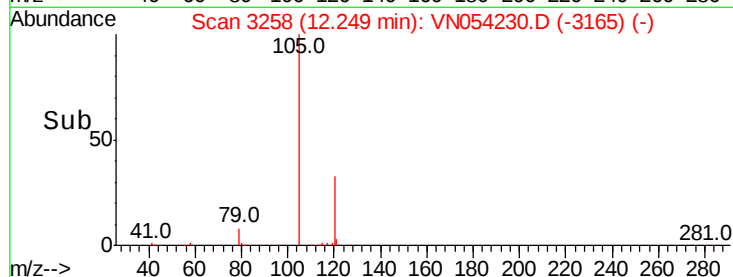
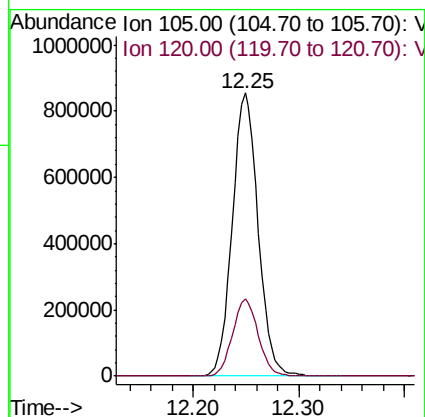
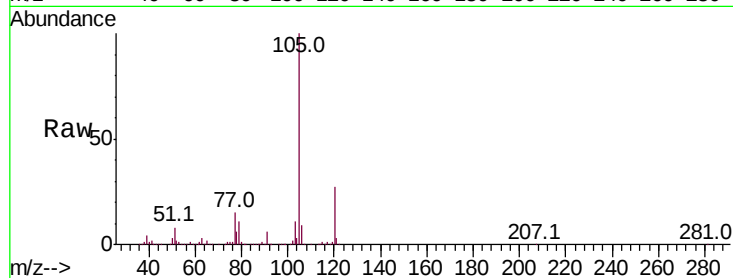
13.8 41.3

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#74

N-ethyl acetate

Concen: 19.675 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Tgt Ion: 43 Resp: 308924

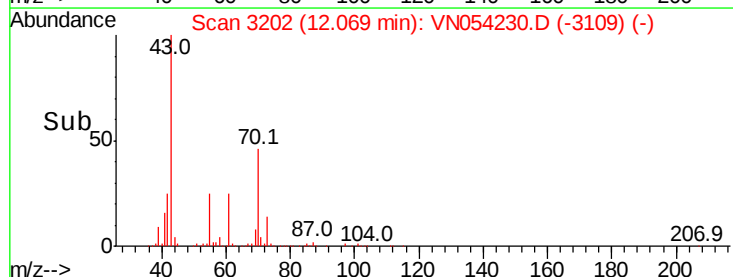
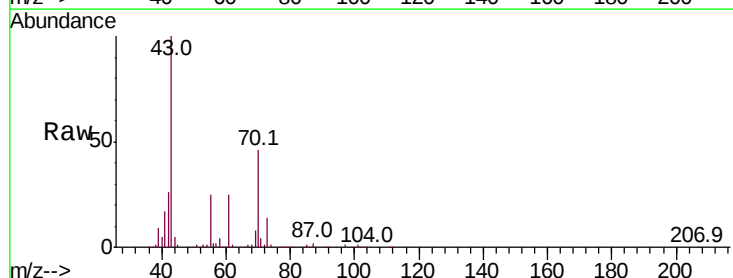
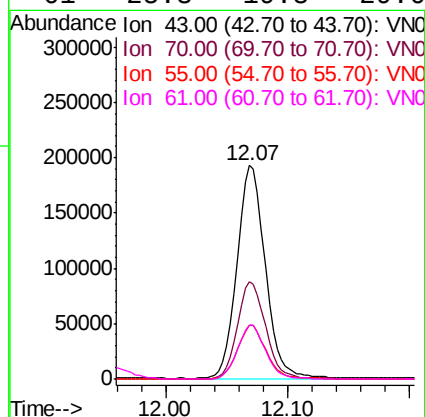
Ion Ratio Lower Upper

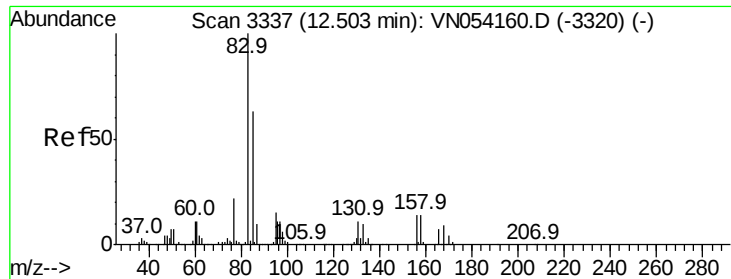
43 100

70 45.9 35.4 53.0

55 25.7 19.8 29.6

61 25.3 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.548 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

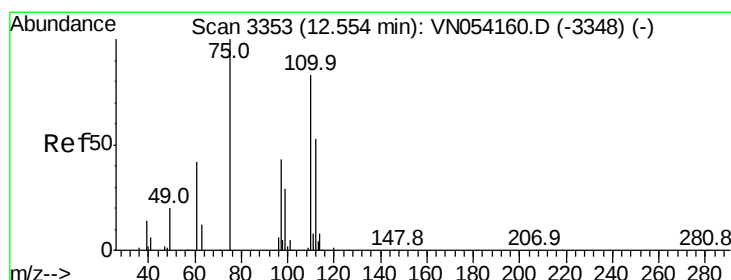
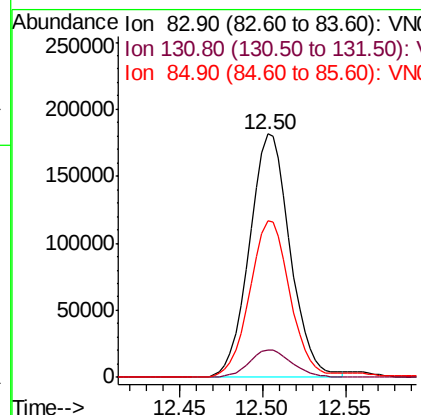
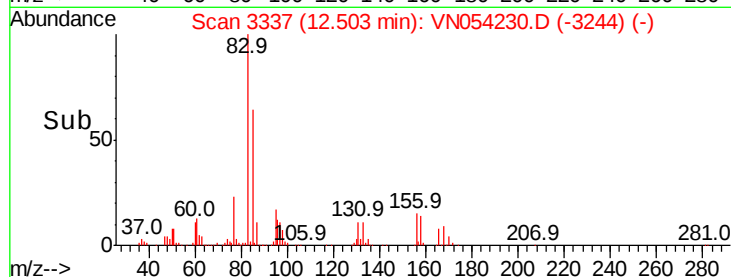
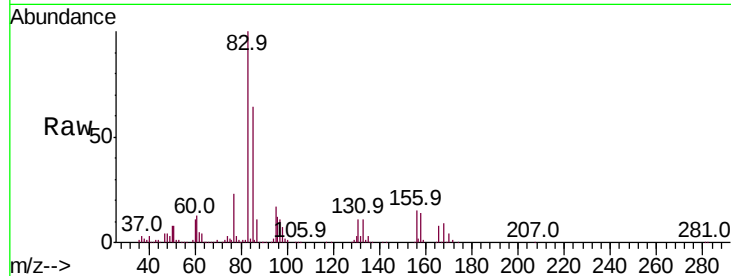
ClientSampleId :

VN0313WBSD02

Tot Ion:	83	Resp:	309675
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.8	17.4
85	63.8	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.914 ug/l m

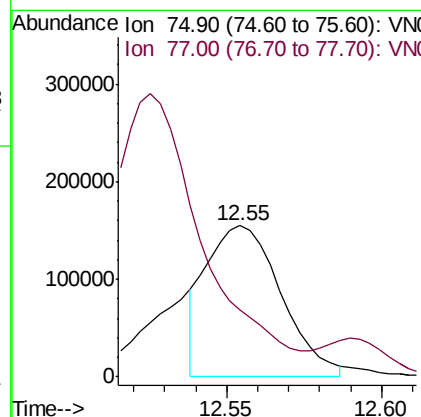
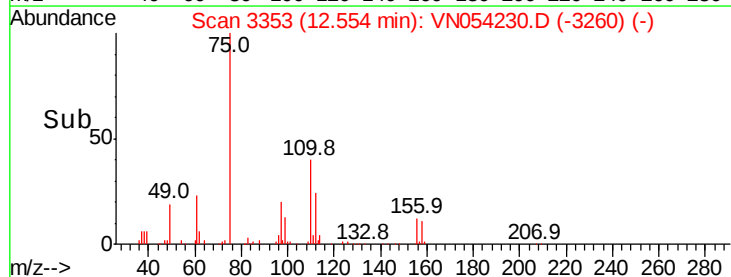
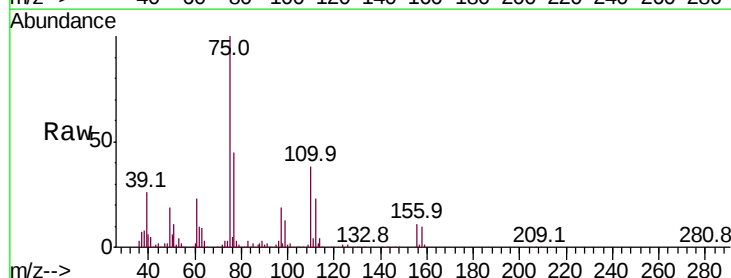
RT: 12.55 min Scan# 3353

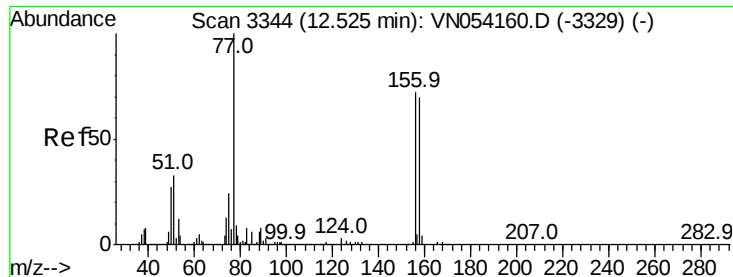
Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Tgt Ion:	75	Resp:	258918
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





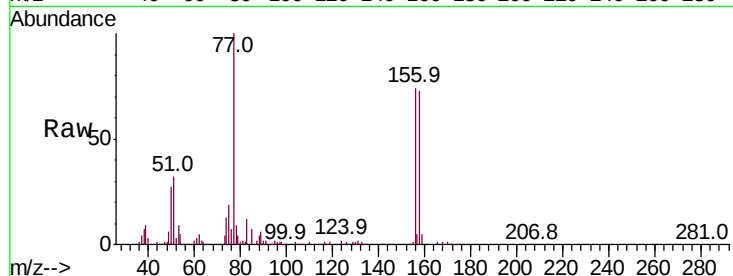
#77
Bromobenzene
Concen: 20.599 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD02

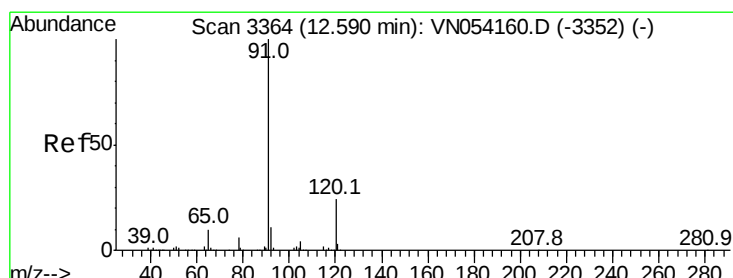
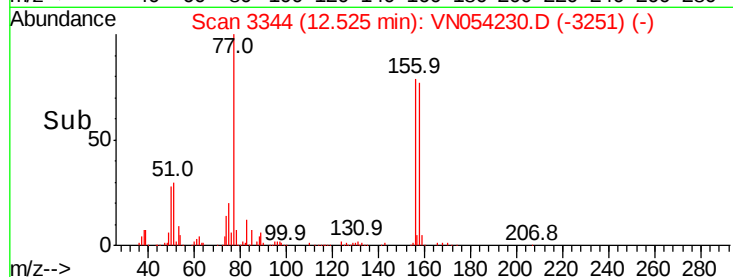
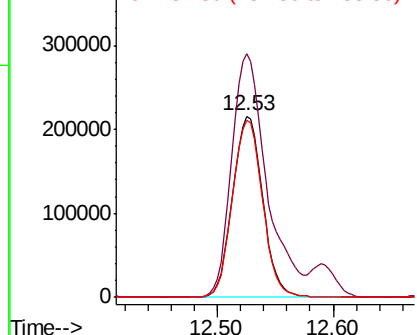
Tot Ion	Ratio	Lower	Upper
156	100		
77	156.9	81.5	244.4
158	98.0	49.0	147.2

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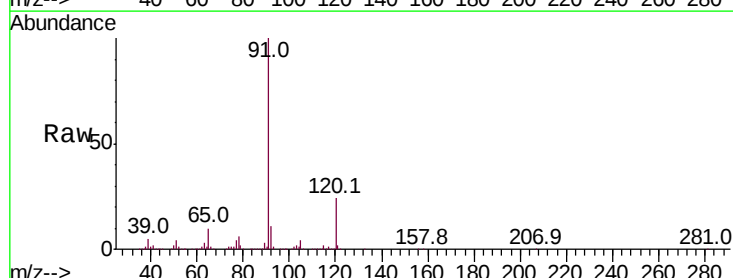


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.30): V
Ion 157.80 (157.50 to 158.50): V

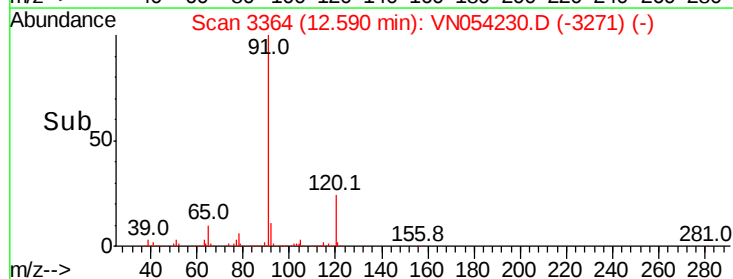
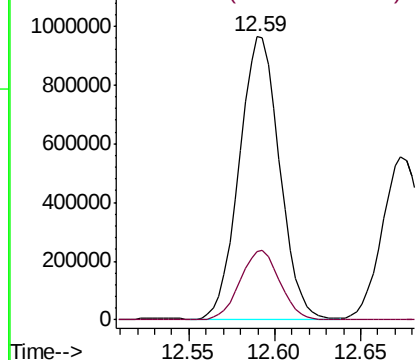


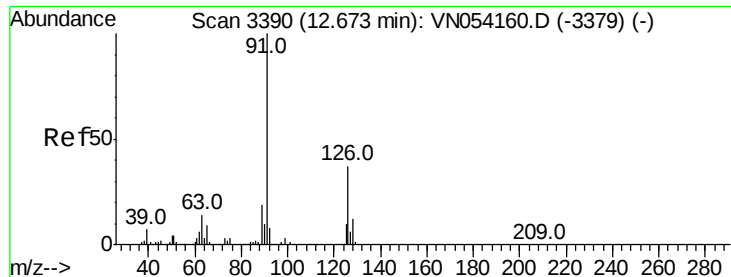
#78
n-propylbenzene
Concen: 20.439 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.3	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.30): V
Ion 120.00 (119.70 to 120.30): V





#79

2-Chlorotoluene

Concen: 20.155 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD02

Tot Ion: 91 Resp: 930147

Ion Ratio Lower Upper

91 100

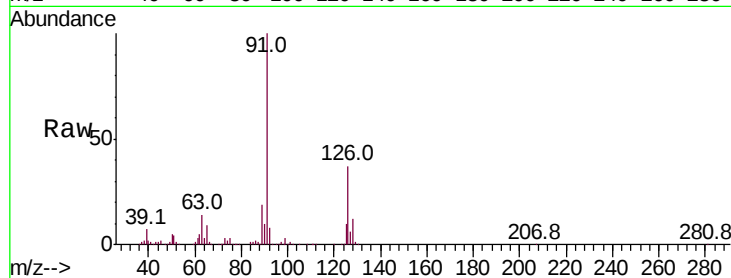
126 37.7 18.7 56.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054160.D (-3379) (-)

12.67

600000

500000

400000

300000

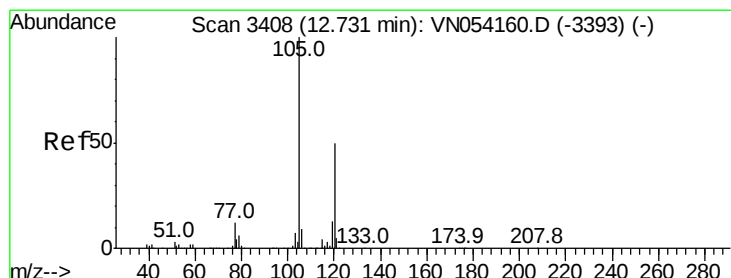
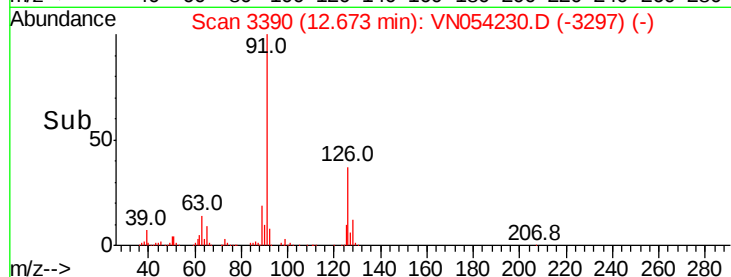
200000

100000

0

12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.033 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054230.D

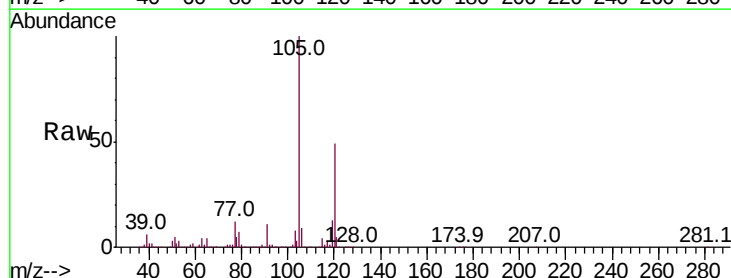
Acq: 14 Mar 2019 00:00

Tgt Ion:105 Resp: 1178730

Ion Ratio Lower Upper

105 100

120 49.7 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054160.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN054160.D (-3393) (-)

12.73

800000

600000

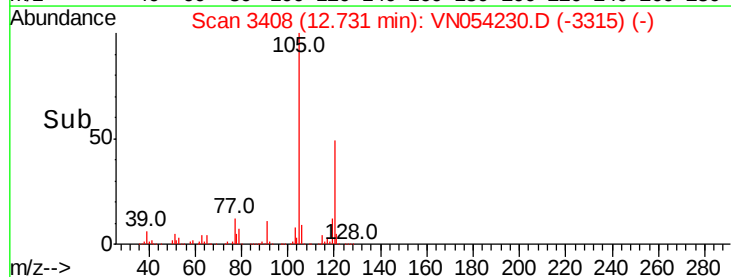
400000

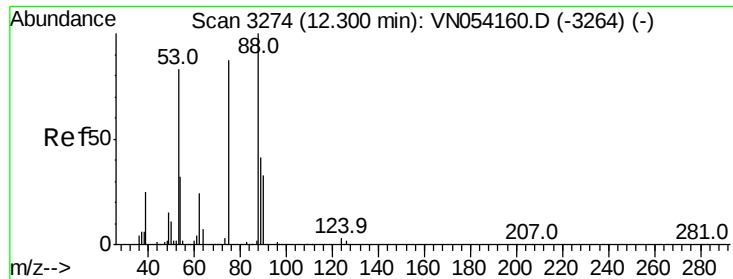
200000

0

12.70 12.80

Time-->





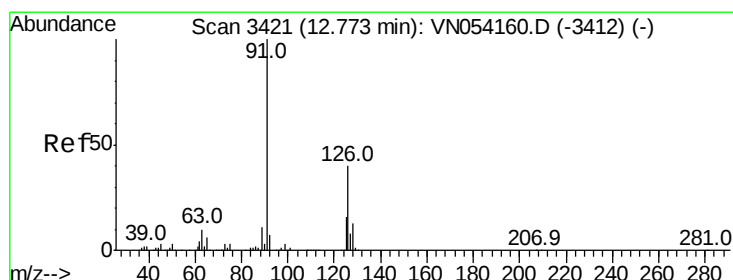
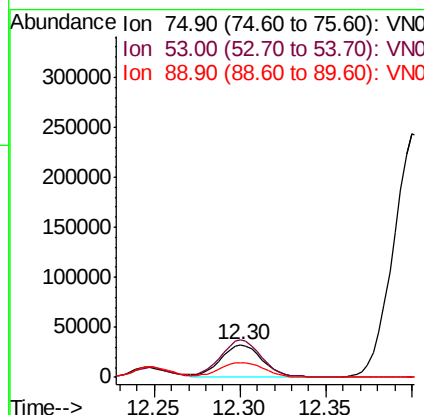
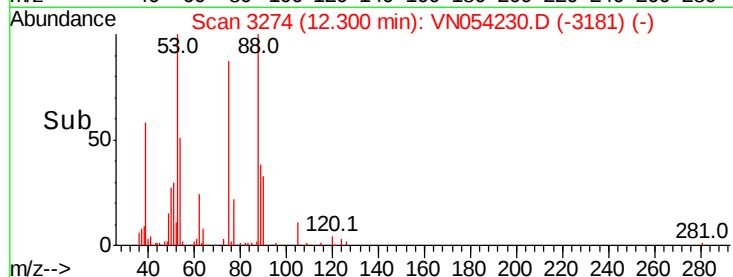
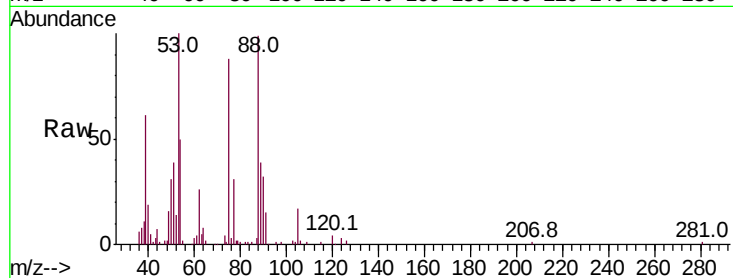
#81
trans-1,4-Dichloro-2-butene
Concen: 14.531 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.3	76.2	114.2#
89	48.5	39.2	58.8

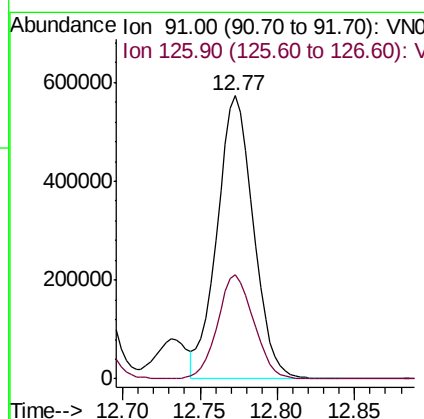
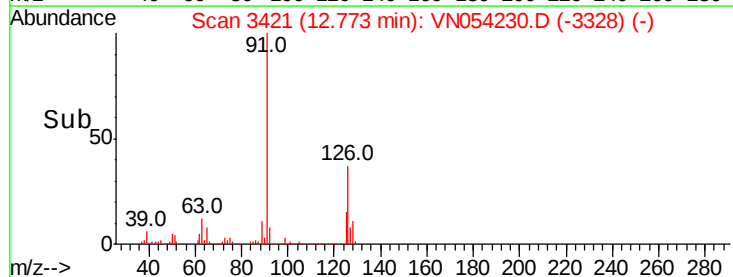
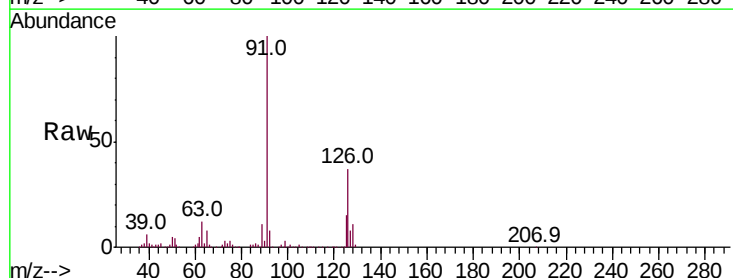
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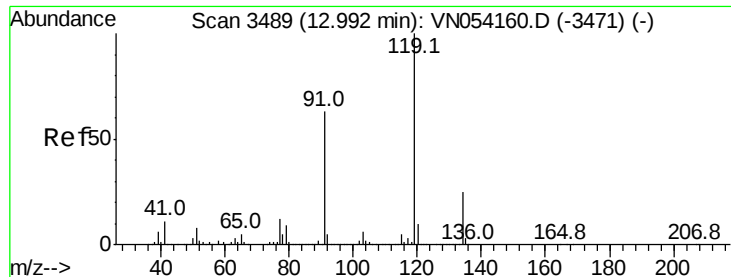
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#82
4-Chlorotoluene
Concen: 20.210 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.7	18.1	54.1





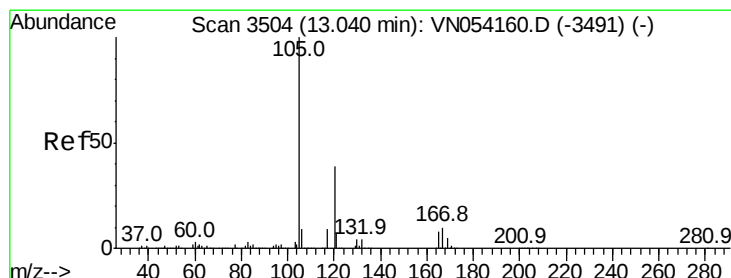
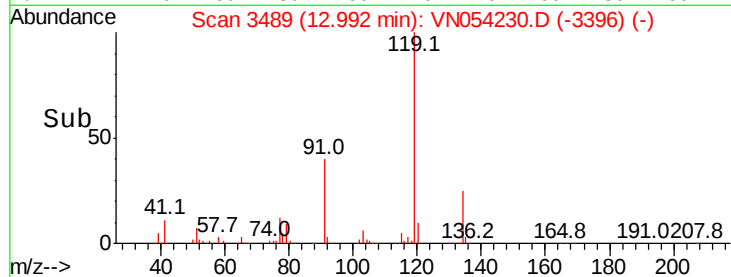
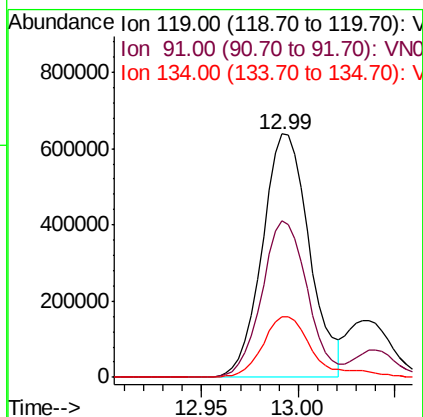
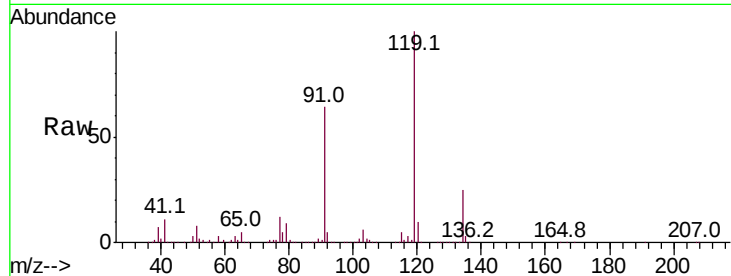
#83
 tert-Butylbenzene
 Concen: 19.923 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.0	30.9	92.8
134	26.8	13.2	39.6

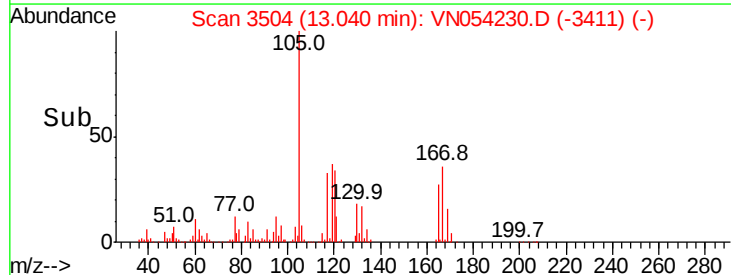
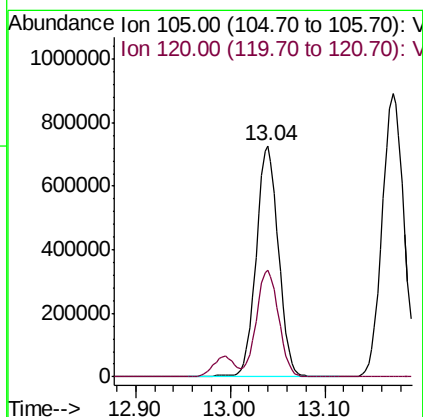
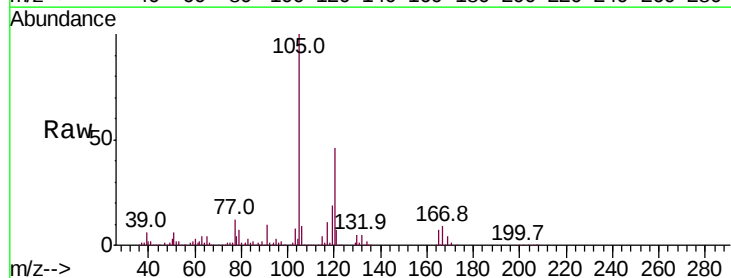
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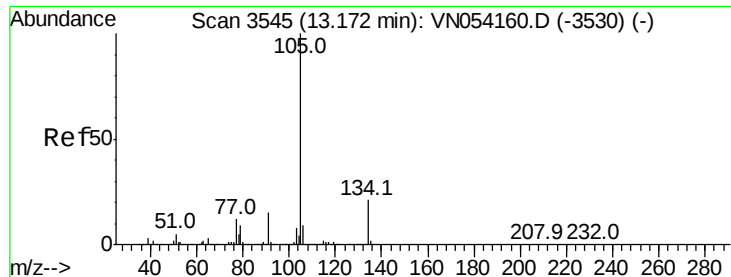
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.536 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.4	70.3





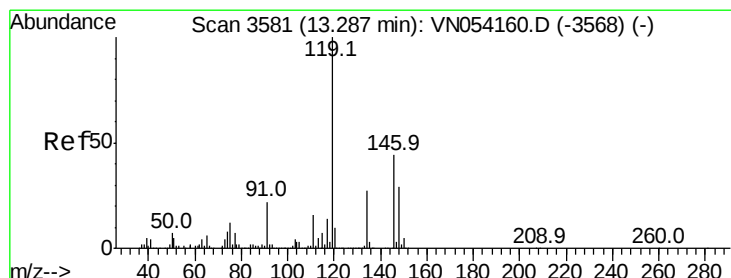
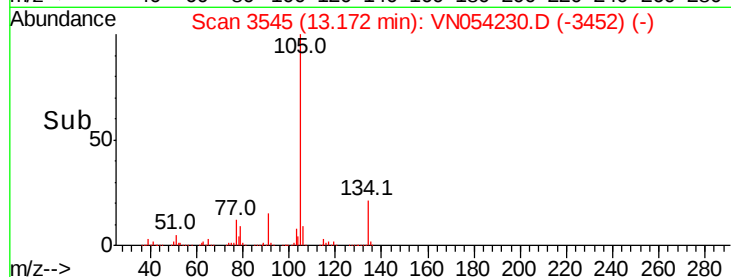
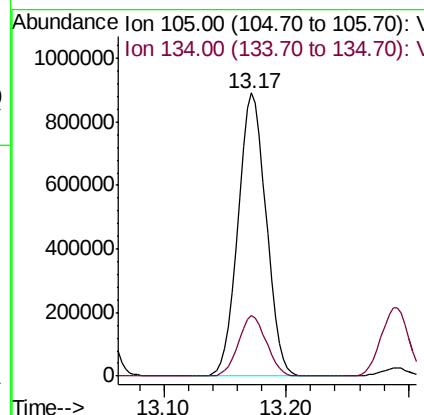
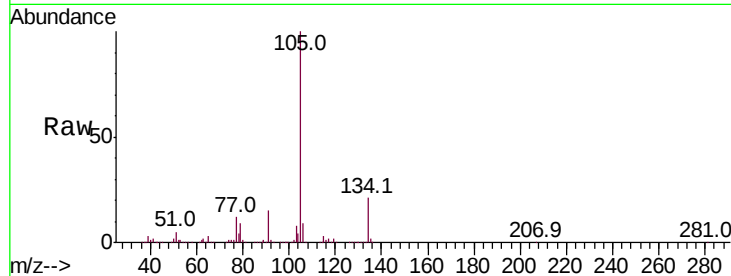
#85
 sec-Butylbenzene
 Concen: 20.232 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0313WBSD02

Tot Ion:105 Resp: 1421024
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.7 32.1

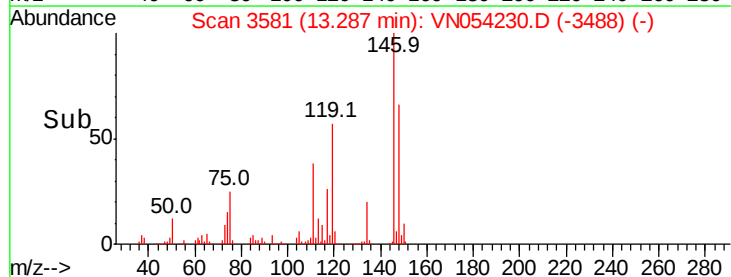
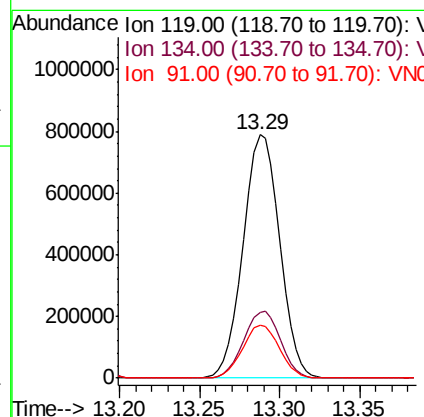
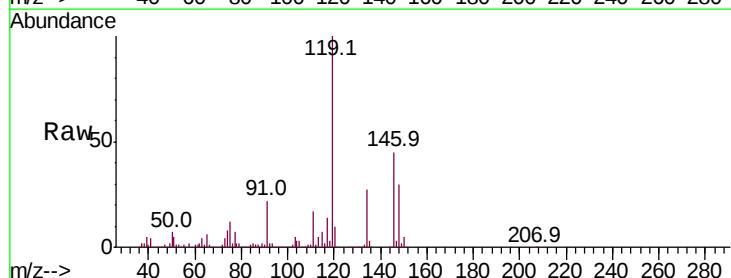
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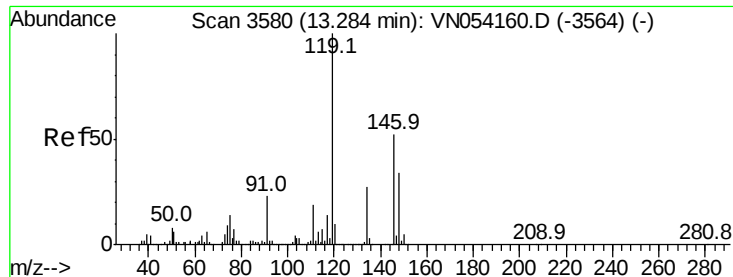
MMDadoda
 3/14/2019 10:28:22 AM



#86
 p-Isopropyltoluene
 Concen: 19.891 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Tgt Ion:119 Resp: 1225662
 Ion Ratio Lower Upper
 119 100
 134 27.7 13.6 40.8
 91 22.0 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 20.625 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054230.D

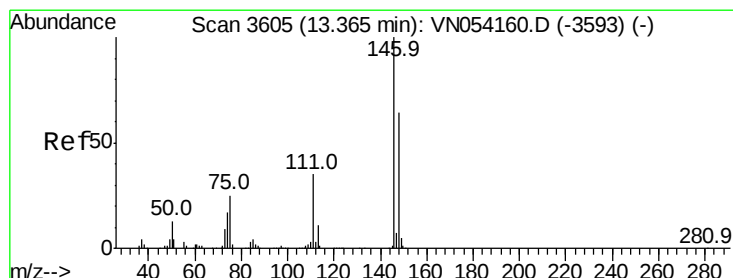
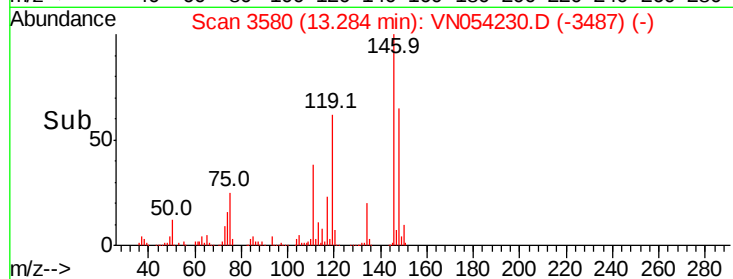
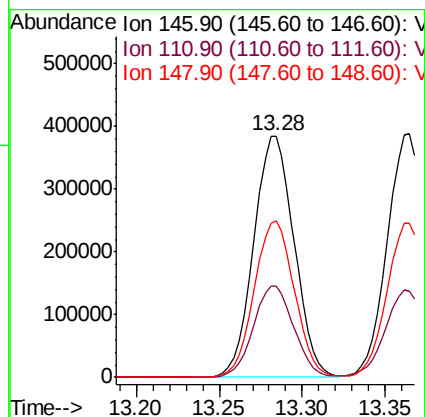
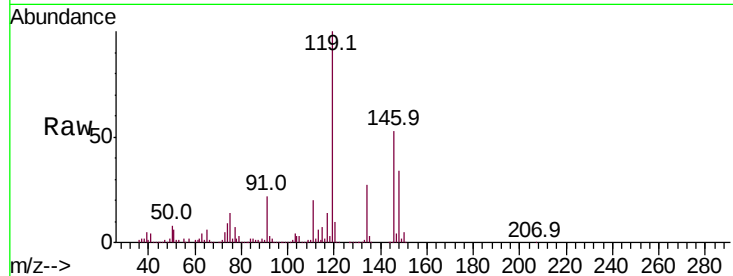
Acq: 14 Mar 2019 00:00

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.7	18.8	56.3	
148	64.4	32.2	96.6	

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#88

1,4-Dichlorobenzene

Concen: 20.784 ug/l

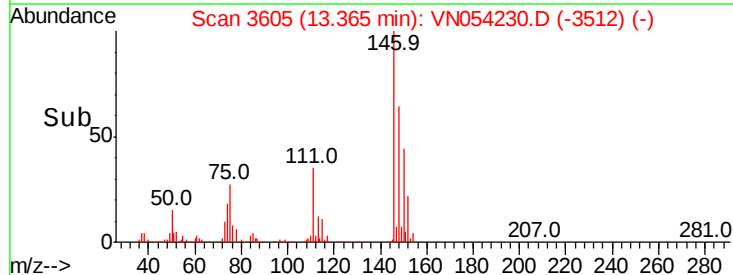
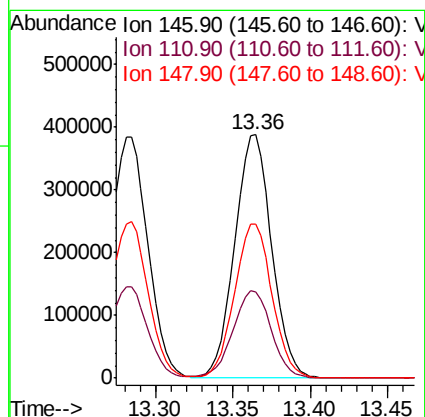
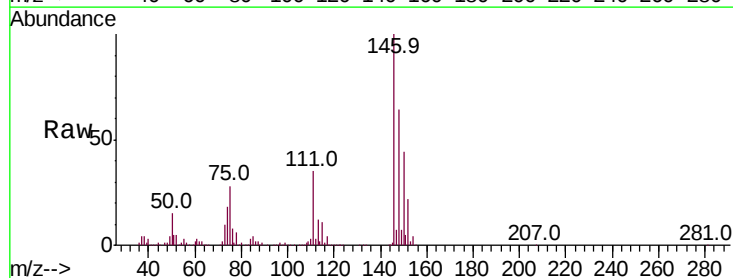
RT: 13.36 min Scan# 3605

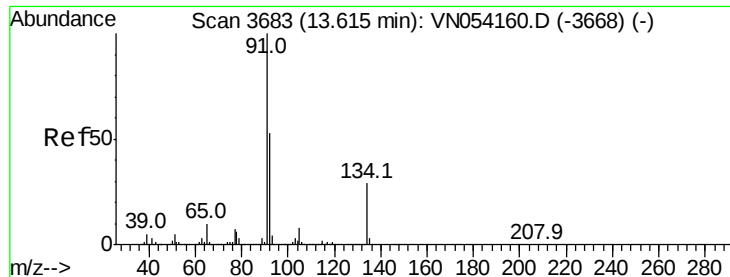
Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.4	18.1	54.1	
148	64.3	32.0	96.0	





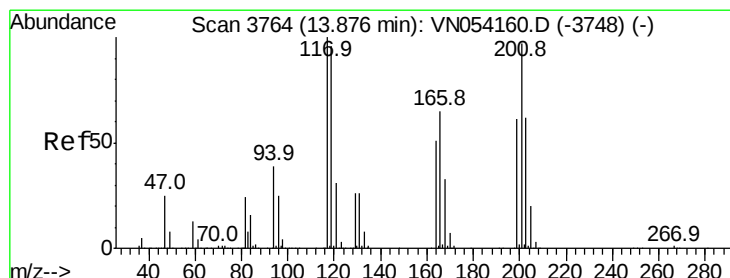
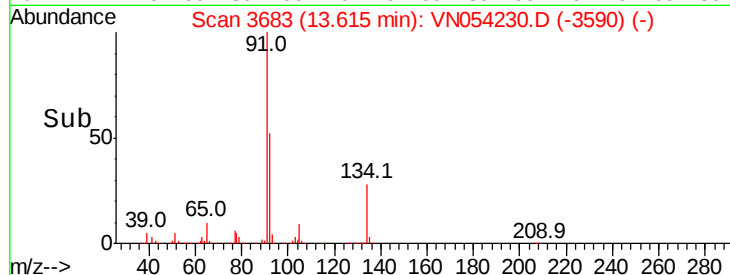
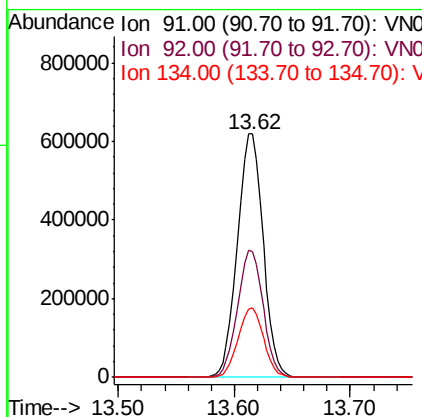
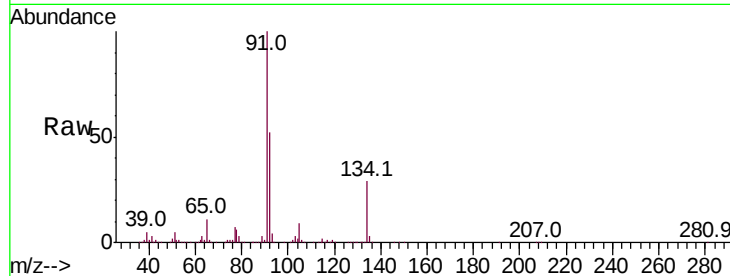
#89
n-Butylbenzene
Concen: 20.385 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.6
134	28.4	14.3	42.9

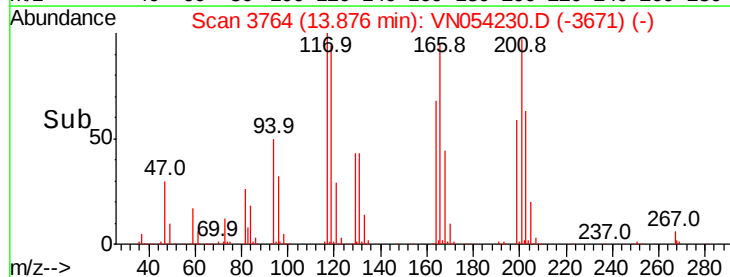
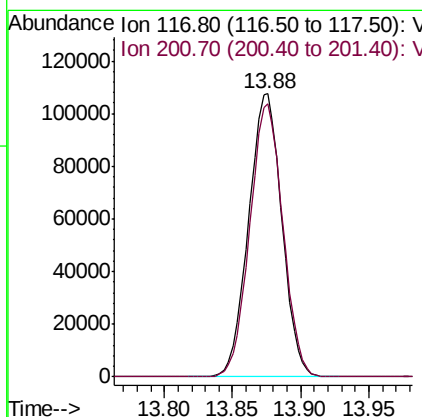
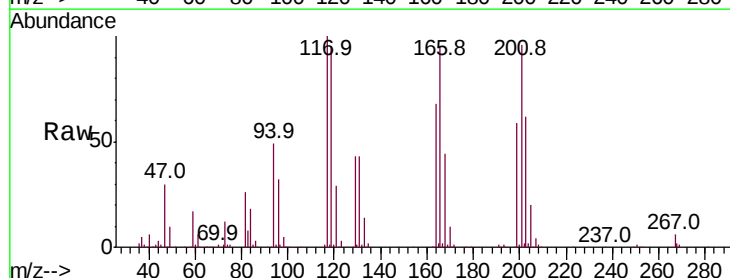
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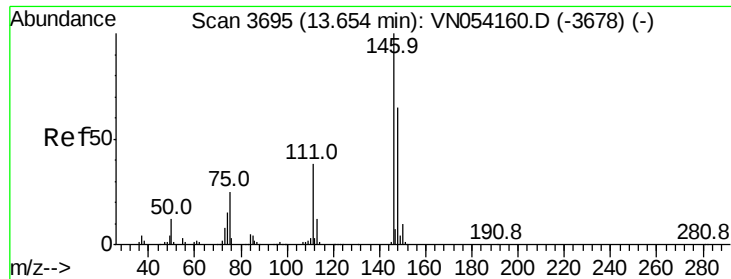
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#90
Hexachloroethane
Concen: 17.813 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.0	48.1	144.4





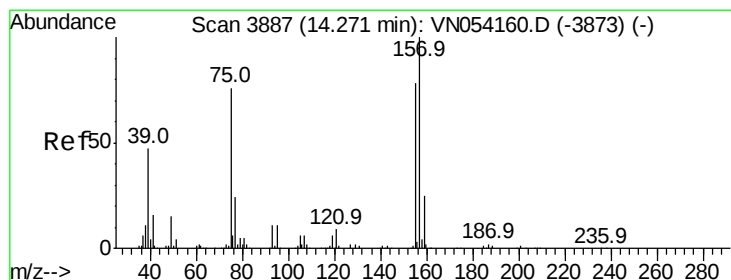
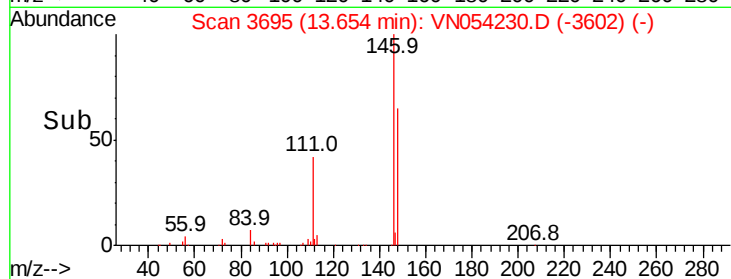
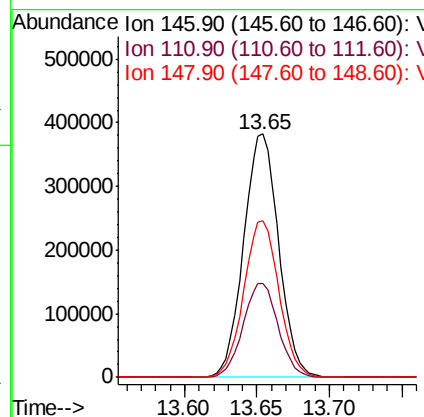
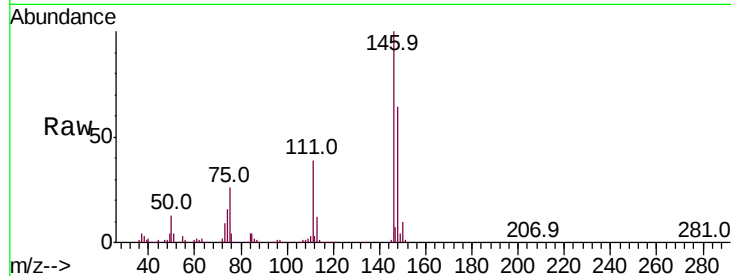
#91
 1,2-Dichlorobenzene
 Concen: 20.850 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0313WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.1	57.3
148	64.6	32.4	97.0

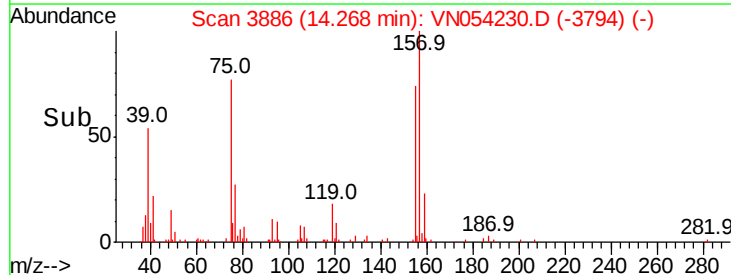
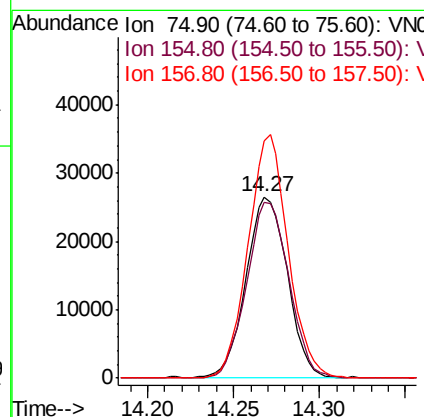
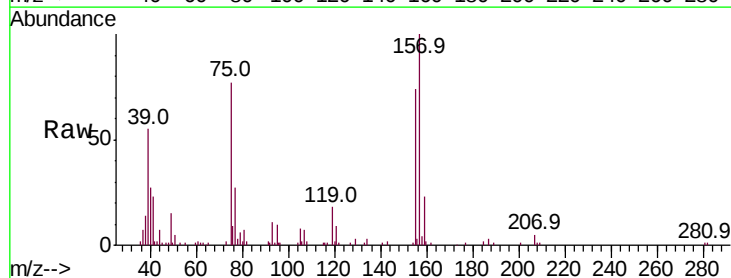
Manual Integrations
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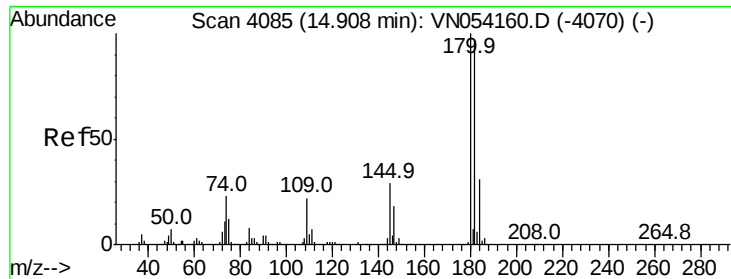
MMDadoda
 3/14/2019 10:28:22 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.043 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.8	50.1	150.3
157	129.2	63.1	189.3





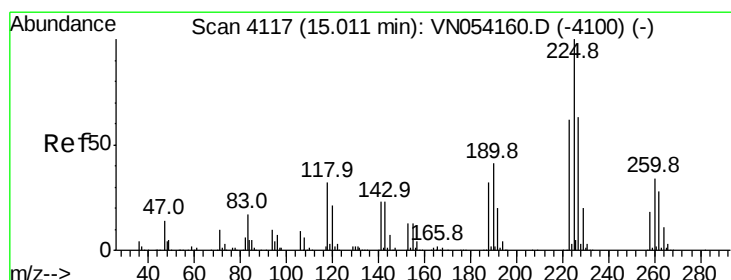
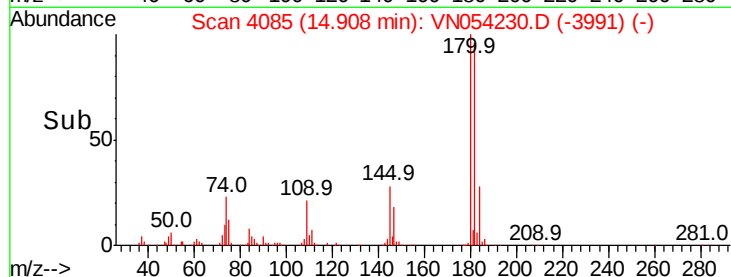
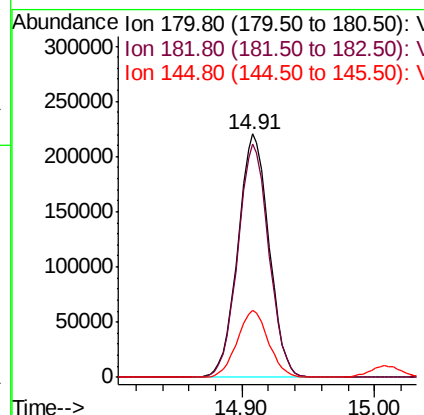
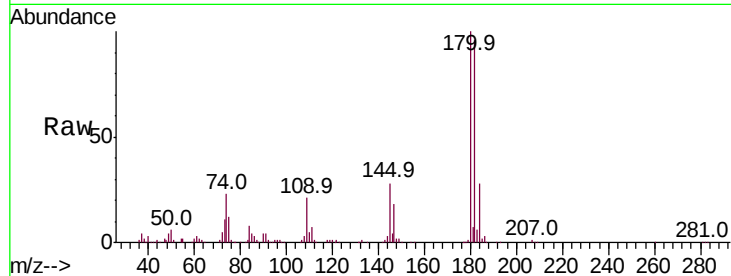
#93
 1,2,4-Trichlorobenzene
 Concen: 20.833 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	48.0	144.2	
145	27.6	14.2	42.8	

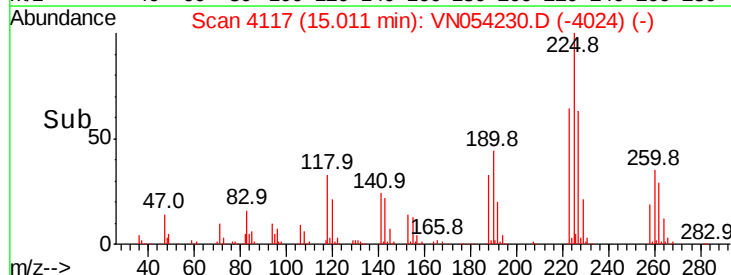
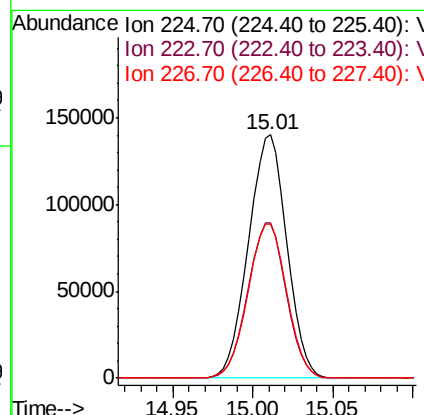
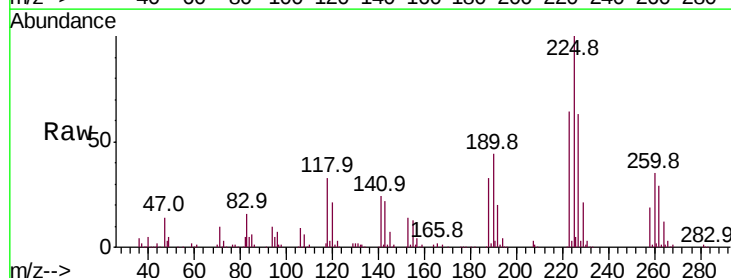
Manual Integrations
 APPROVED

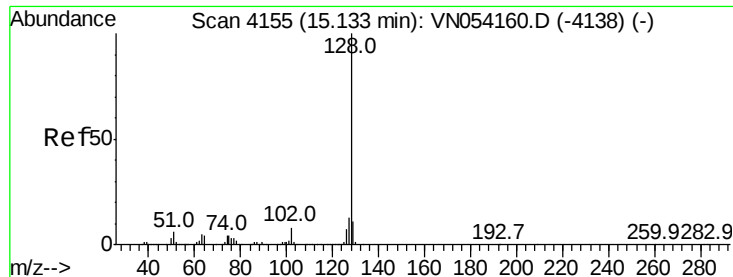
MMDadoda
 3/14/2019 10:28:22 AM



#94
 Hexachlorobutadiene
 Concen: 19.520 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.8	31.1	93.5	
227	63.9	31.9	95.9	





#95

Naphthalene

Concen: 21.070 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

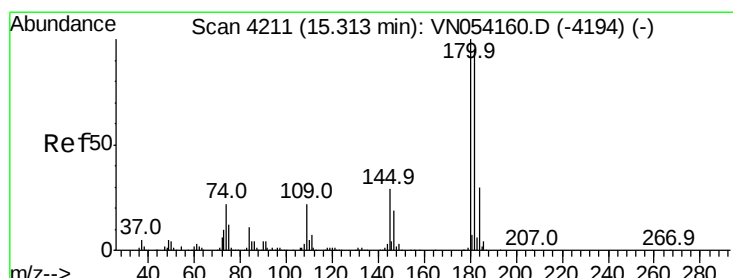
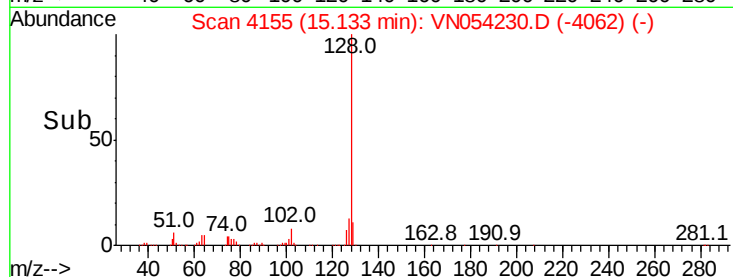
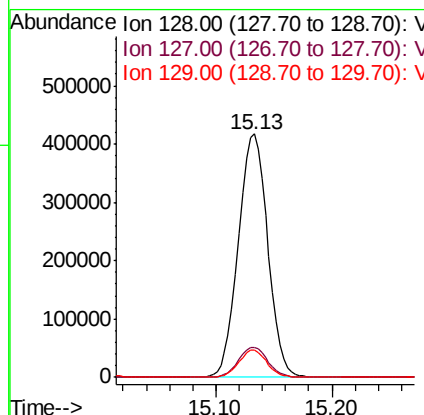
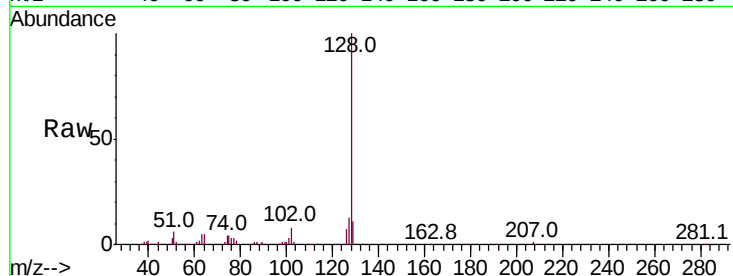
ClientSampleId :

VN0313WBSD02

Tot Ion:	128	Resp:	733411
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.1	15.1
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/14/2019 10:28:22 AM



#96

1,2,3-Trichlorobenzene

Concen: 22.391 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Tgt Ion:	180	Resp:	366821
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.5	142.6
145	28.9	14.8	44.3

