

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122818\
 Data File : VN053224.D
 Acq On : 28 Dec 2018 14:56
 Operator : MD\SY
 Sample : VN1228WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1228WBS02

Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 9:49:16 AM

Quant Time: Dec 28 23:12:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	847444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1272157	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1120728	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	527508	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	435819	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
35) Dibromofluoromethane	7.59	113	369865	63.65	ug/l	0.00
Spiked Amount			Recovery	=	127.30%	
50) Toluene-d8	10.09	98	1563669	50.12	ug/l	0.00
Spiked Amount			Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.40	95	544083	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	155152	18.090	ug/l	100
3) Chloromethane	2.06	50	190182	18.299	ug/l	99
4) Vinyl Chloride	2.19	62	195489	18.572	ug/l	100
5) Bromomethane	2.58	94	133033	18.242	ug/l	100
6) Chloroethane	2.71	64	117178	18.797	ug/l	98
7) Trichlorofluoromethane	3.02	101	264418	20.165	ug/l	100
8) Diethyl Ether	3.41	74	102818	20.785	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	171213	20.479	ug/l	97
10) Methyl Iodide	3.96	142	222613	18.960	ug/l	99
11) Tert butyl alcohol	4.78	59	54778	104.392	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	158834	19.664	ug/l	96
13) Acrolein	3.61	56	42339	88.985	ug/l	99
14) Allyl chloride	4.33	41	267813	21.405	ug/l	95
15) Acrylonitrile	4.99	53	307642	105.532	ug/l	100
16) Acetone	3.82	43	185131	109.793	ug/l	96
17) Carbon Disulfide	4.06	76	419899	15.940	ug/l	99
18) Methyl Acetate	4.33	43	174974	23.401	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	453858	20.997	ug/l	98
20) Methylene Chloride	4.55	84	188447	20.488	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	168708	19.440	ug/l	98
22) Diisopropyl ether	5.95	45	584748	21.896	ug/l	98
23) Vinyl Acetate	5.90	43	1686552	109.826	ug/l	99
24) 1,1-Dichloroethane	5.85	63	332556	20.956	ug/l	99
25) 2-Butanone	6.83	43	319095	112.761	ug/l	100
26) 2,2-Dichloropropane	6.83	77	248973	20.552	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	201284	20.487	ug/l	100
28) Bromochloromethane	7.20	49	137717	20.027	ug/l	97
29) Tetrahydrofuran	7.21	42	221200	104.660	ug/l	96
30) Chloroform	7.37	83	326395	20.937	ug/l	99
31) Cyclohexane	7.66	56	304052	19.794	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	270243	20.350	ug/l	99
36) 1,1-Dichloropropene	7.79	75	247335	20.256	ug/l	99
37) Ethyl Acetate	6.93	43	148793	21.828	ug/l	99
38) Carbon Tetrachloride	7.78	117	231732	20.705	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122818\
 Data File : VN053224.D
 Acq On : 28 Dec 2018 14:56
 Operator : MD\SY
 Sample : VN1228WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1228WBS02

Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 9:49:16 AM

Quant Time: Dec 28 23:12:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	284103	19.153	ug/l	99
40) Benzene	8.04	78	754268	20.767	ug/l	100
41) Methacrylonitrile	7.17	41	88133	22.377	ug/l	96
42) 1,2-Dichloroethane	8.12	62	221972	20.688	ug/l	98
43) Isopropyl Acetate	8.16	43	274555	20.191	ug/l	99
44) Trichloroethene	8.84	130	209030	19.898	ug/l	96
45) 1,2-Dichloropropane	9.12	63	204163	21.581	ug/l	100
46) Dibromomethane	9.21	93	115065	20.879	ug/l	98
47) Bromodichloromethane	9.40	83	244592	20.879	ug/l	100
48) Methyl methacrylate	9.20	41	138084	20.876	ug/l	99
49) 1,4-Dioxane	9.20	88	34091	407.441	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	726619	110.073	ug/l	99
52) Toluene	10.16	92	464562	20.636	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	245610	19.938	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	294489	20.827	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	167535	21.332	ug/l	99
56) Ethyl methacrylate	10.43	69	218570	21.026	ug/l	97
57) 1,3-Dichloropropane	10.71	76	287742	21.365	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	605964	106.180	ug/l	99
59) 2-Hexanone	10.75	43	492494	110.269	ug/l	100
60) Dibromochloromethane	10.90	129	184617	20.536	ug/l	100
61) 1,2-Dibromoethane	11.01	107	164691	20.647	ug/l	100
64) Tetrachloroethene	10.63	164	214151	17.640	ug/l	99
65) Chlorobenzene	11.43	112	515446	20.748	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	184426	21.348	ug/l	99
67) Ethyl Benzene	11.51	91	883938	20.689	ug/l	100
68) m/p-Xylenes	11.62	106	672673	41.416	ug/l	100
69) o-Xylene	11.95	106	327281	20.999	ug/l	99
70) Styrene	11.96	104	536220	21.100	ug/l	99
71) Bromoform	12.13	173	121999	19.548	ug/l #	99
73) Isopropylbenzene	12.25	105	871721	21.121	ug/l	100
74) N-amyl acetate	12.07	43	234122	20.432	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	192427	23.765	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	165703m	18.660	ug/l	
77) Bromobenzene	12.53	156	222378	20.728	ug/l	98
78) n-propylbenzene	12.59	91	985755	20.971	ug/l	99
79) 2-Chlorotoluene	12.68	91	586976	20.146	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	697339	20.729	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	53837	19.541	ug/l	99
82) 4-Chlorotoluene	12.77	91	597029	20.932	ug/l	100
83) tert-Butylbenzene	12.99	119	618739	20.796	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	713816	21.107	ug/l	100
85) sec-Butylbenzene	13.17	105	821773	20.420	ug/l	99
86) p-Isopropyltoluene	13.29	119	703983	20.245	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	388648	20.468	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	380360	19.780	ug/l	99
89) n-Butylbenzene	13.62	91	574076	19.190	ug/l	100
90) Hexachloroethane	13.88	117	108515	20.335	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	370917	20.755	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28364	20.259	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122818\
Data File : VN053224.D
Acq On : 28 Dec 2018 14:56
Operator : MD\SY
Sample : VN1228WBS02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBS02

Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:49:16 AM

Quant Time: Dec 28 23:12:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	183192	19.714	ug/l	100
94) Hexachlorobutadiene	15.01	225	115792	22.012	ug/l	99
95) Naphthalene	15.13	128	375142	18.819	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	164133	19.563	ug/l	99

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

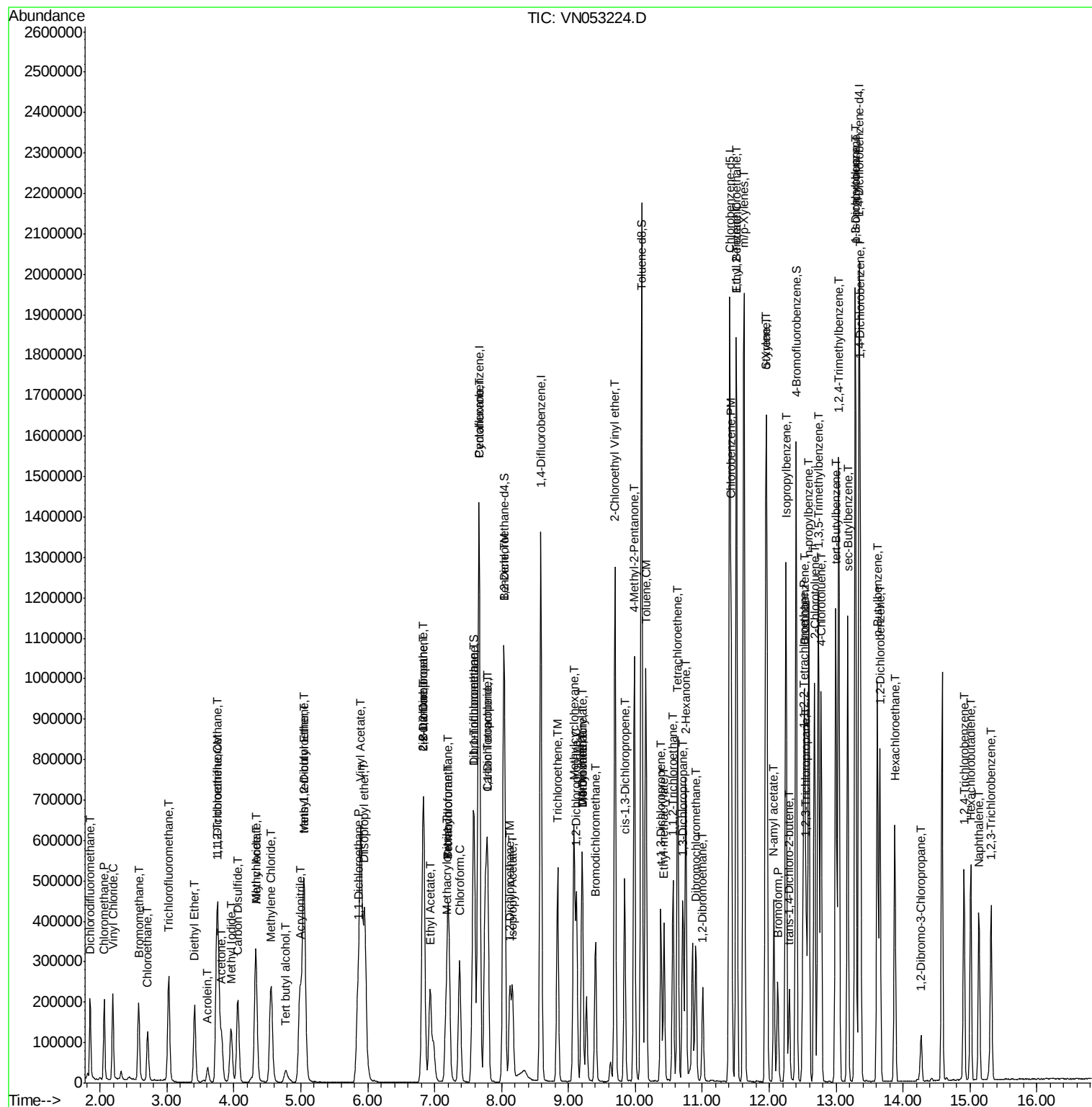
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN122818\
Data File : VN053224.D
Acq On : 28 Dec 2018 14:56
Operator : MD\SY
Sample : VN1228WBS02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 28

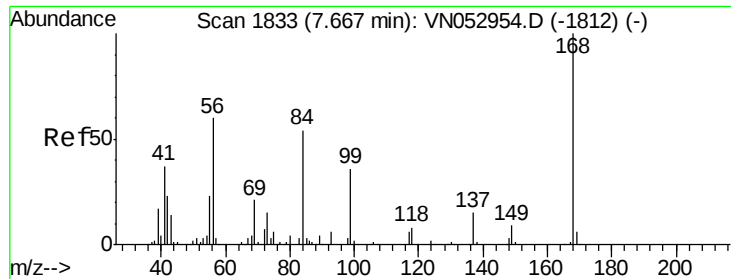
Instrument :
MSVOA_N
Client Sample Id :
VN1228WBS02

Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:49:16 AM

Quant Time: Dec 28 23:12:05 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1228WBS02

Tot Ion:168 Resp: 847444

Ion Ratio Lower Upper

168 100

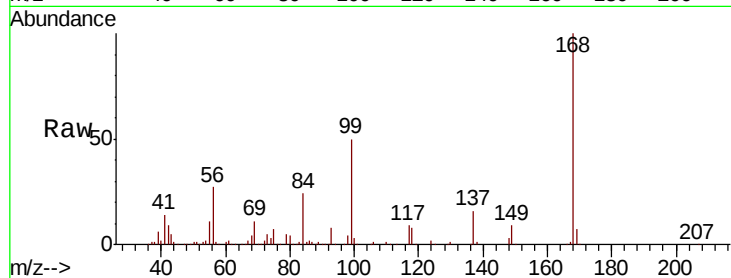
99 49.6 40.2 60.2

Manual Integrations

APPROVED

MMDadoda

1/2/2019 9:49:16 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

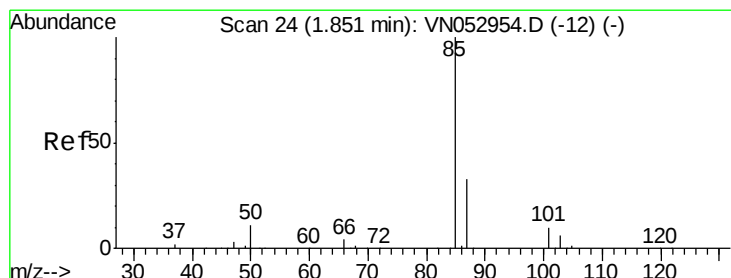
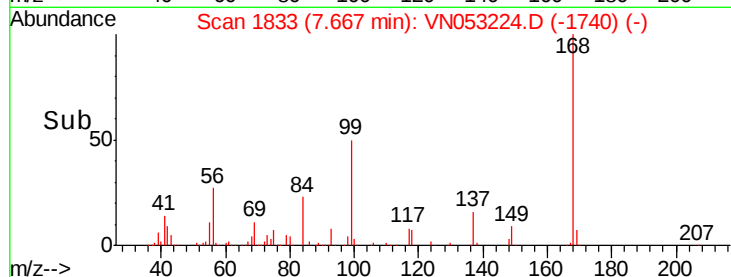
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.090 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053224.D

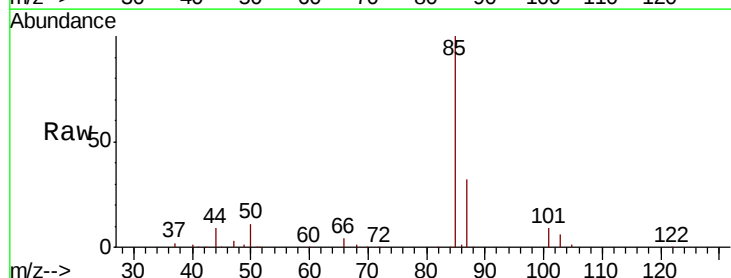
Acq: 28 Dec 2018 14:56

Tgt Ion: 85 Resp: 155152

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

120000

100000

80000

60000

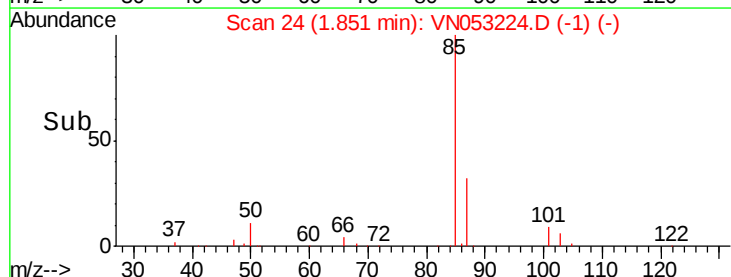
40000

20000

0

1.80 1.85 1.90 1.95

Time-->





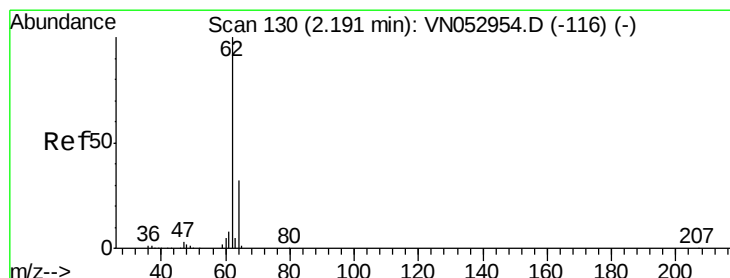
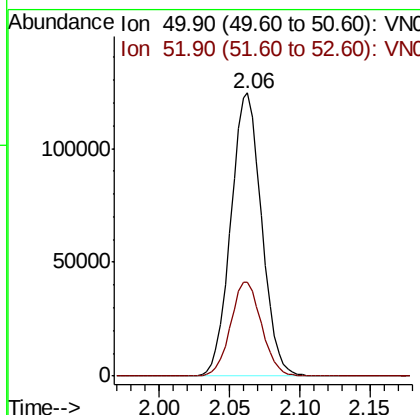
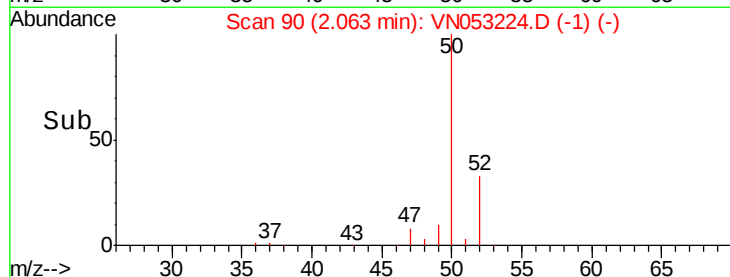
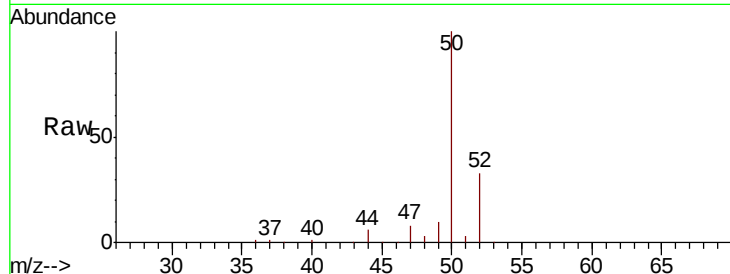
#3
 Chloromethane
 Concen: 18.299 ug/l
 RT: 2.06 min Scan# 90
 Delta R.T. 0.00 min
 Lab File: VN053224.D
 Acq: 28 Dec 2018 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1228WBS02

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.2	39.4

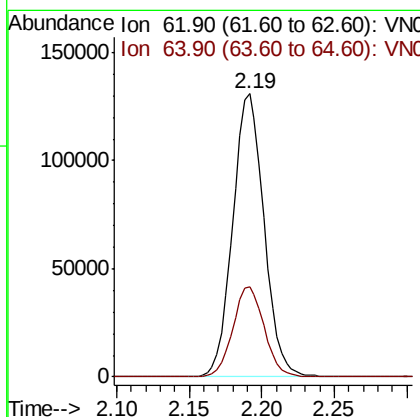
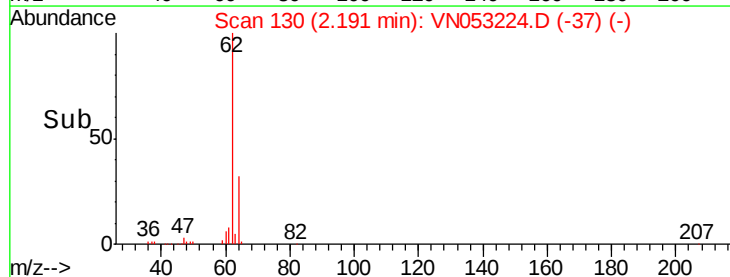
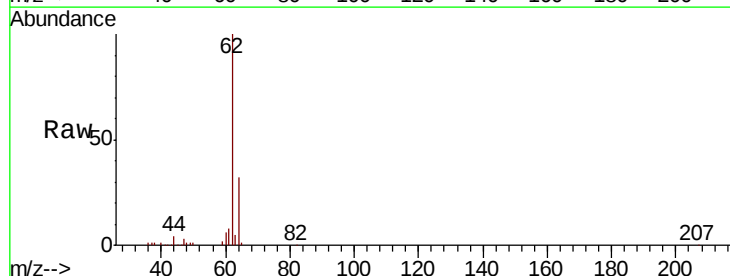
Manual Integrations
 APPROVED

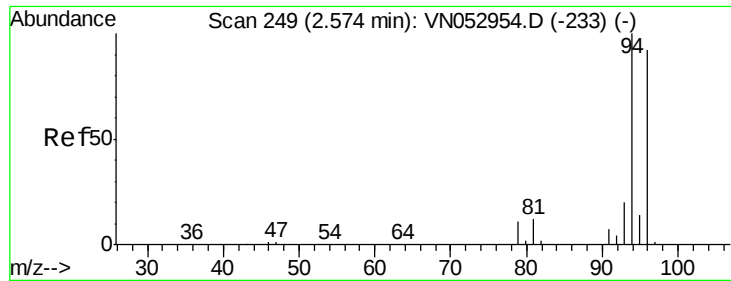
MMDadoda
 1/2/2019 9:49:16 AM



#4
 Vinyl Chloride
 Concen: 18.572 ug/l
 RT: 2.19 min Scan# 130
 Delta R.T. -0.00 min
 Lab File: VN053224.D
 Acq: 28 Dec 2018 14:56

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.5	38.3





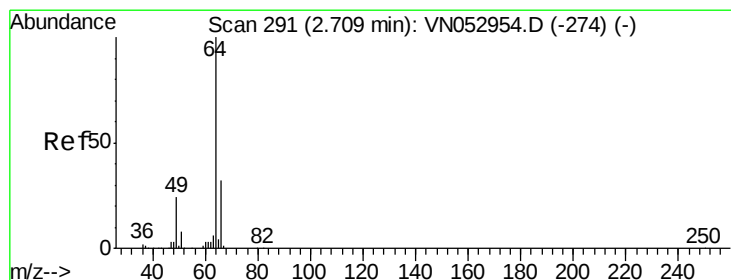
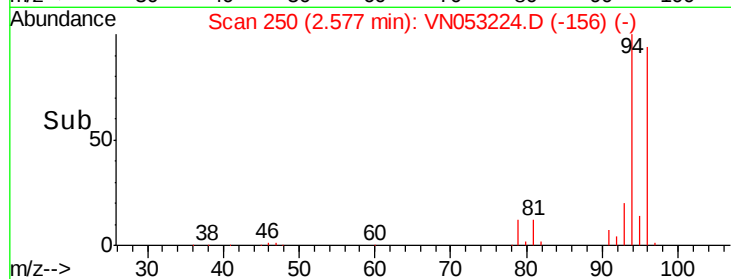
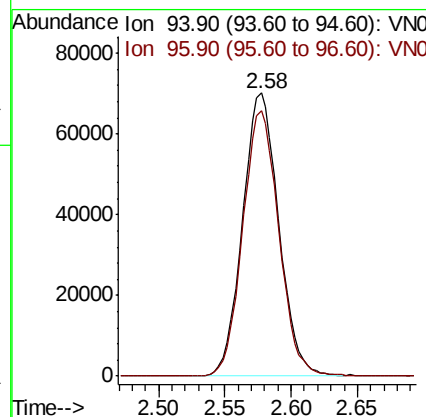
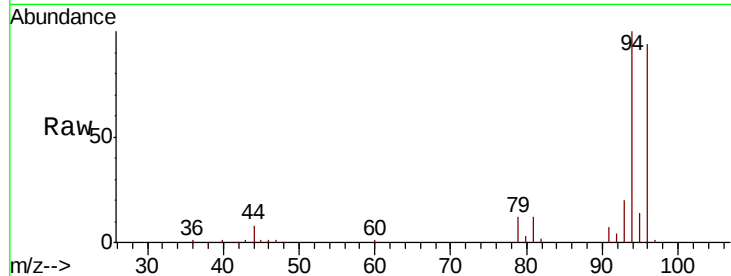
#5
Bromomethane
Concen: 18.242 ug/l
RT: 2.58 min Scan# 250
Delta R.T. 0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBS02

Tot Ion	Ion	Ratio	Lower	Upper
94	100			
96	93.9	75.0	112.4	

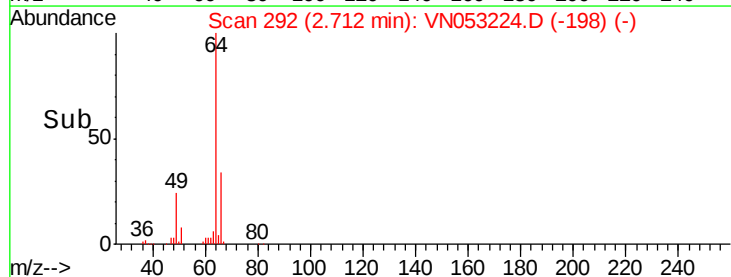
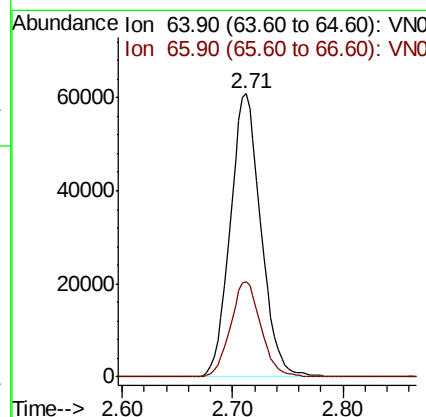
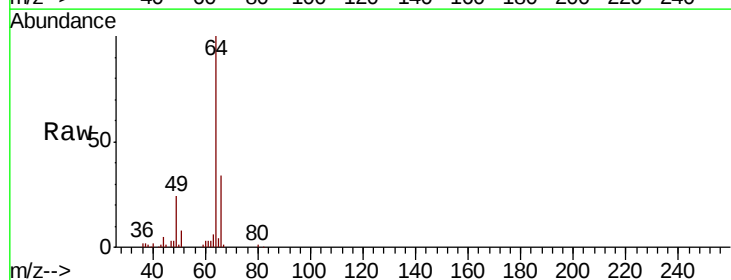
Manual Integrations
APPROVED

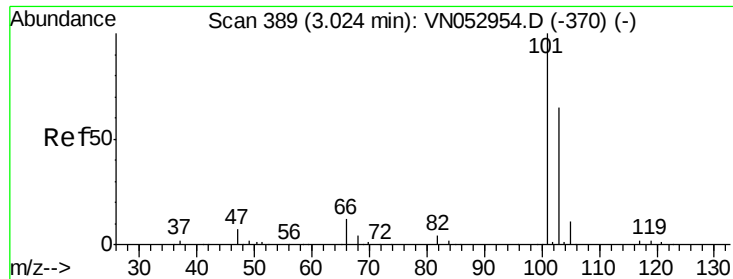
MMDadoda
1/2/2019 9:49:16 AM



#6
Chloroethane
Concen: 18.797 ug/l
RT: 2.71 min Scan# 292
Delta R.T. 0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Tgt Ion	Ion	Ratio	Lower	Upper
64	100			
66	33.8	26.2	39.2	





#7

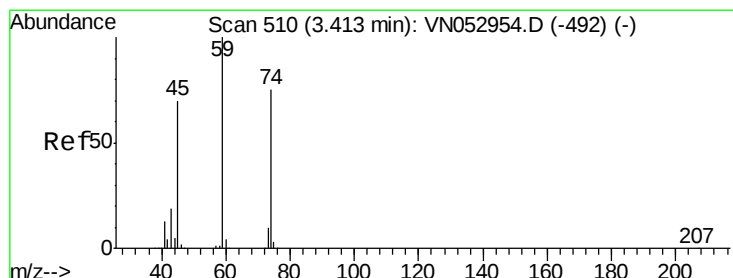
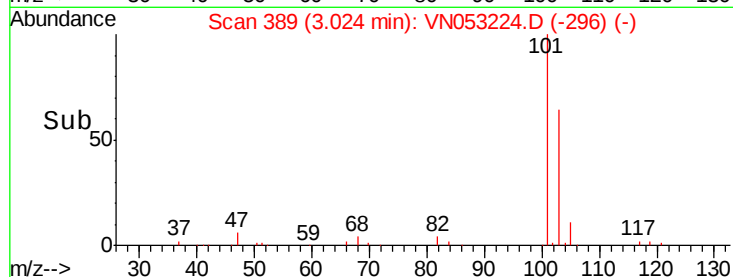
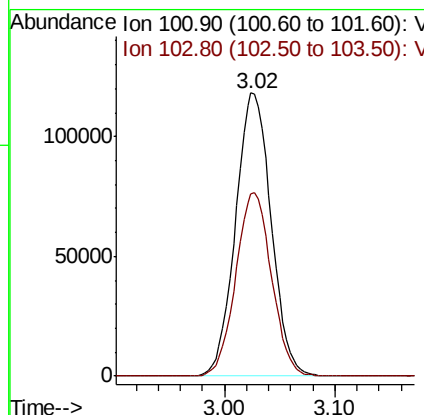
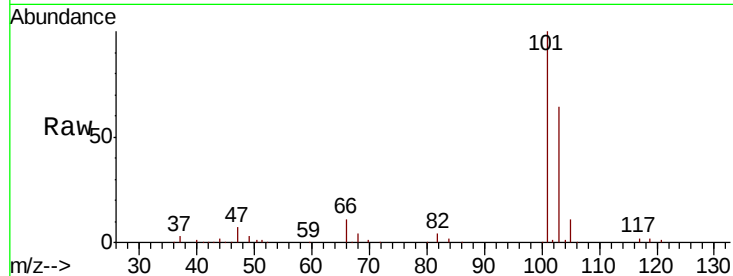
Trichlorofluoromethane
 Concen: 20.165 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053224.D
 Acq: 28 Dec 2018 14:56

Instrument :
 MSVOA_N
 ClientSampled :
 VN1228WBS02

Tot Ion:101 Resp: 264418
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.8 77.6

Manual Integrations
 APPROVED

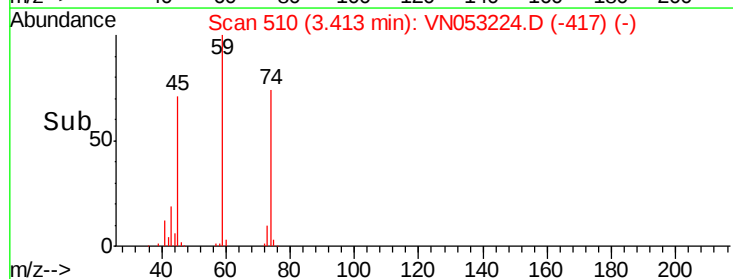
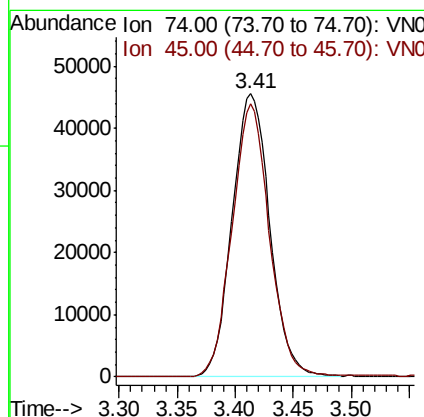
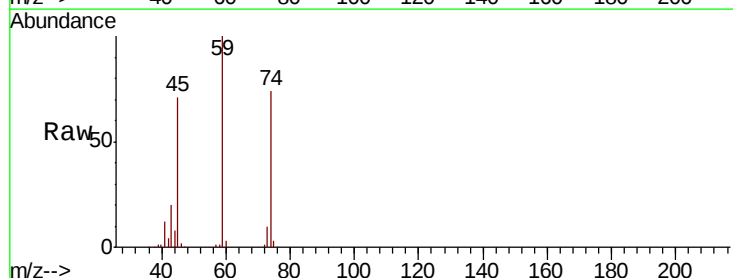
MMDadoda
 1/2/2019 9:49:16 AM

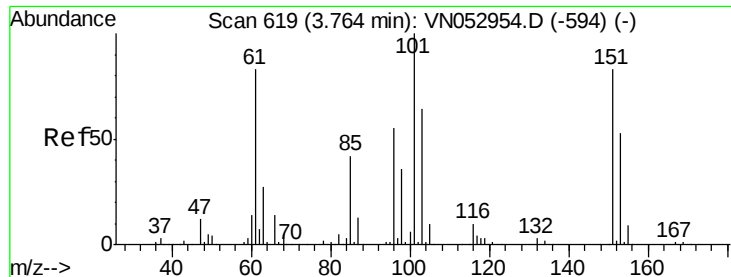


#8

Diethyl Ether
 Concen: 20.785 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053224.D
 Acq: 28 Dec 2018 14:56

Tgt Ion: 74 Resp: 102818
 Ion Ratio Lower Upper
 74 100
 45 95.3 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.479 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Instrument :

MSVOA_N

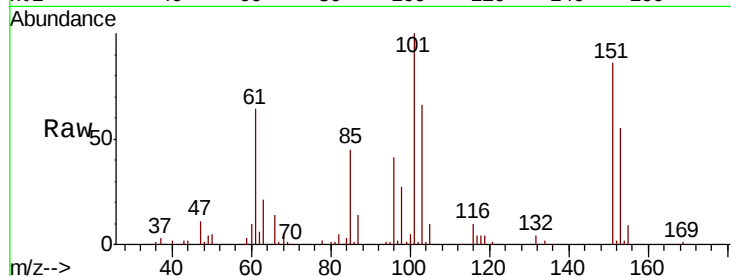
ClientSampled :

VN1228WBS02

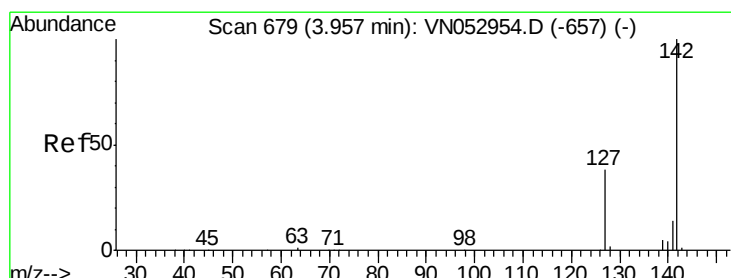
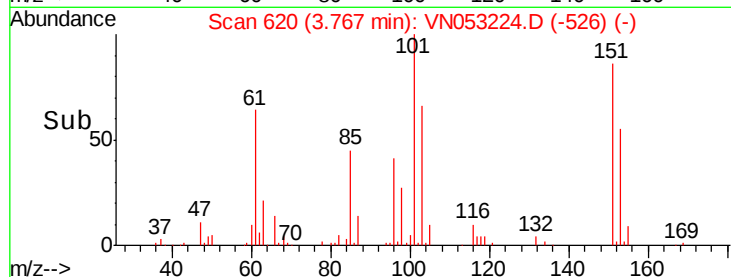
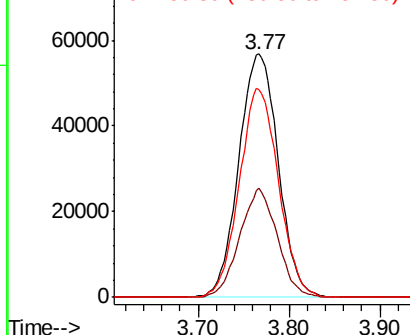
Tot Ion:	101	Resp:	171213
Ion Ratio	Lower	Upper	
101	100		
85	42.6	33.6	50.4
151	85.3	65.5	98.3

Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:49:16 AM



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



#10

Methyl Iodide

Concen: 18.960 ug/l

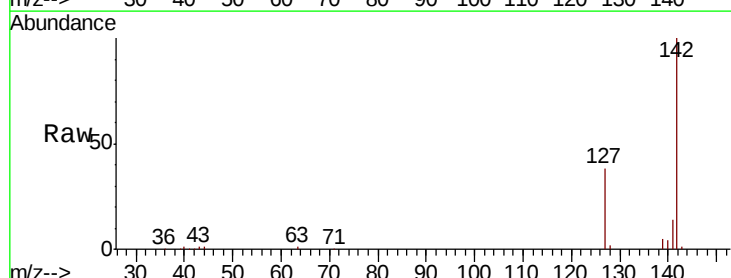
RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

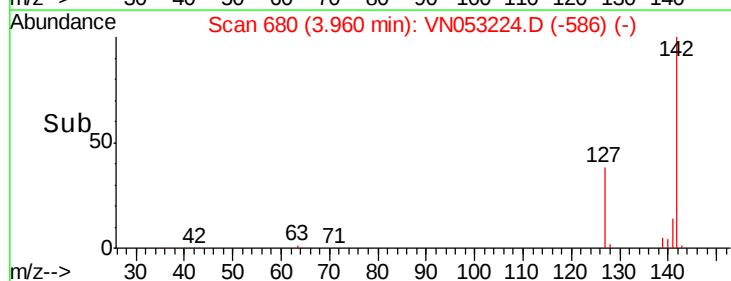
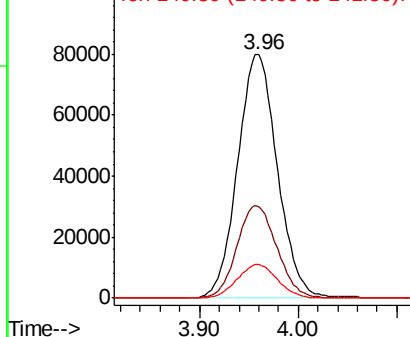
Lab File: VN053224.D

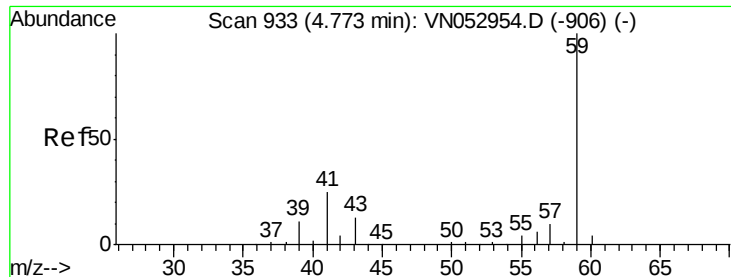
Acq: 28 Dec 2018 14:56

Tgt Ion:	142	Resp:	222613
Ion Ratio	Lower	Upper	
142	100		
127	38.3	31.0	46.6
141	14.0	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





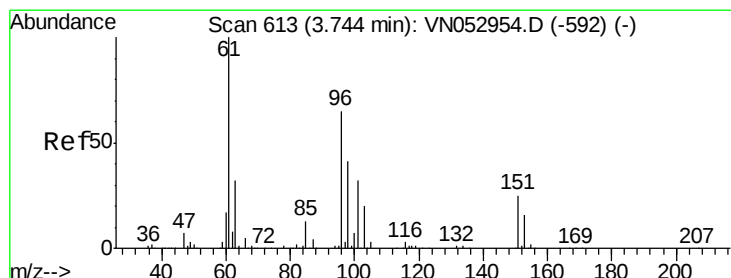
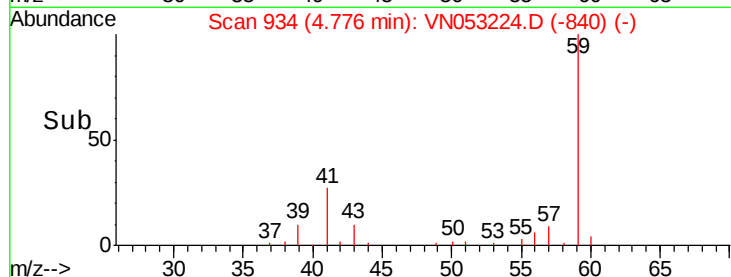
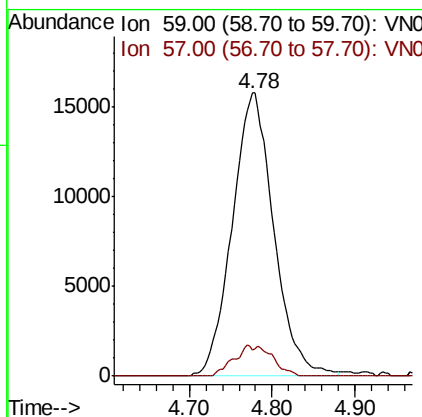
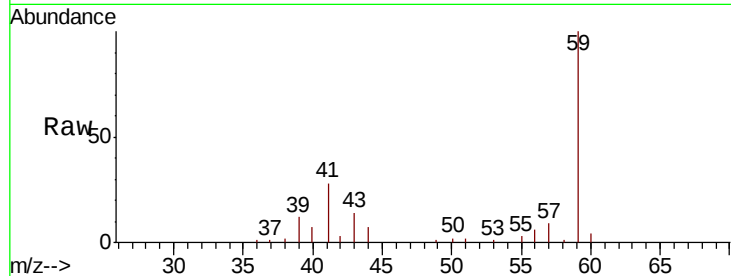
#11
Tert butyl alcohol
Concen: 104.392 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBS02

Tot Ion: 59 Resp: 54778
Ion Ratio Lower Upper
59 100
57 5.0 7.7 11.5#

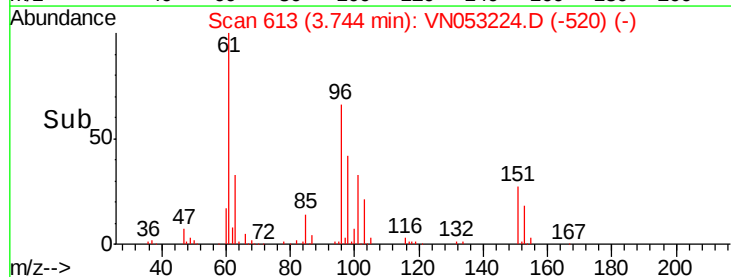
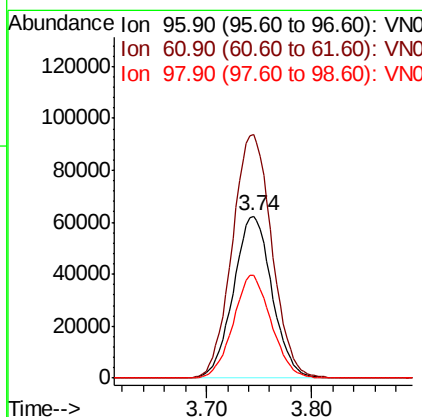
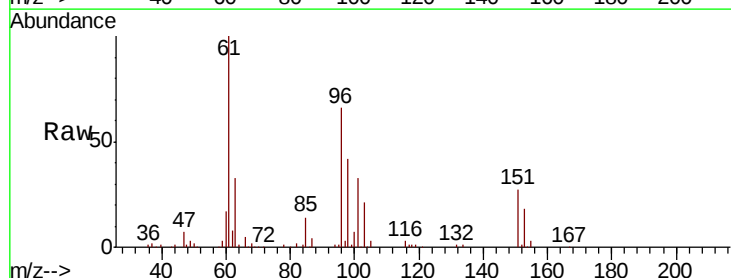
Manual Integrations
APPROVED

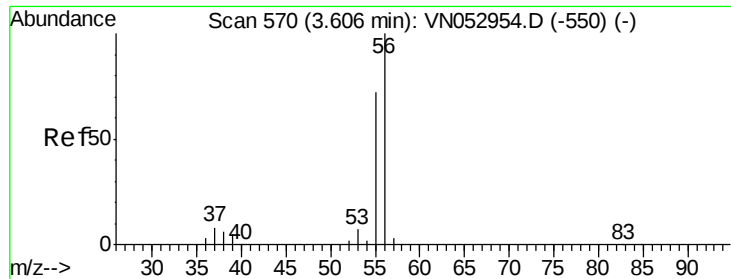
MMDadoda
1/2/2019 9:49:16 AM



#12
1,1-Dichloroethene
Concen: 19.664 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Tgt Ion: 96 Resp: 158834
Ion Ratio Lower Upper
96 100
61 150.5 125.6 188.4
98 63.2 50.6 75.8





#13

Acrolein

Concen: 88.985 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1228WBS02

Tot Ion: 56 Resp: 42339

Ion Ratio Lower Upper

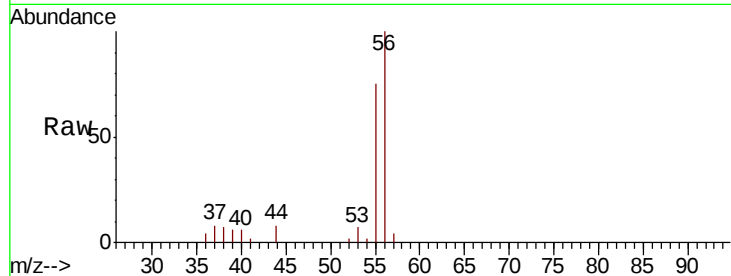
56 100

55 71.8 56.6 85.0

Manual Integrations
APPROVED

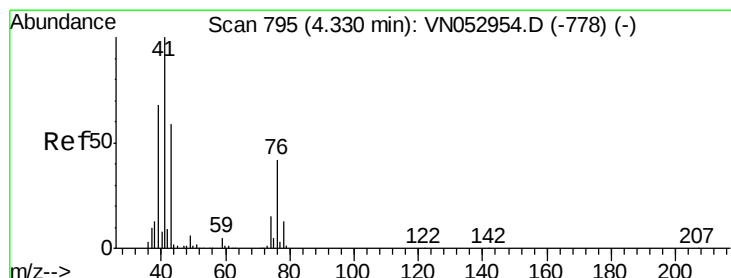
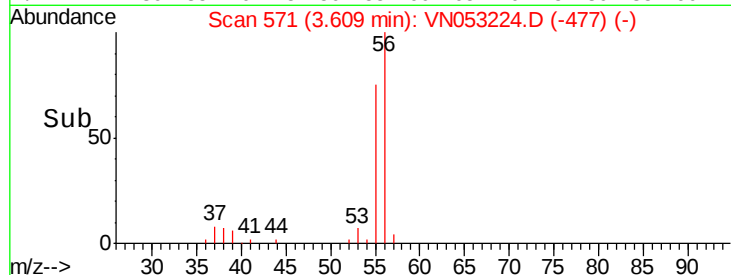
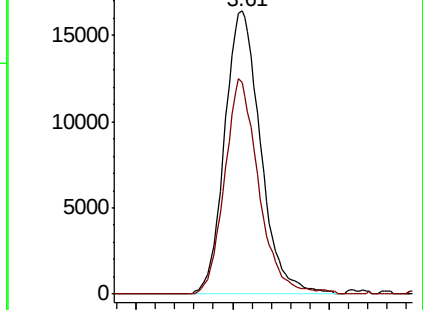
MMDadoda

1/2/2019 9:49:16 AM



Abundance Ion 56.00 (55.70 to 56.70): VN053224.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN053224.D (-477) (-)



#14

Allyl chloride

Concen: 21.405 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

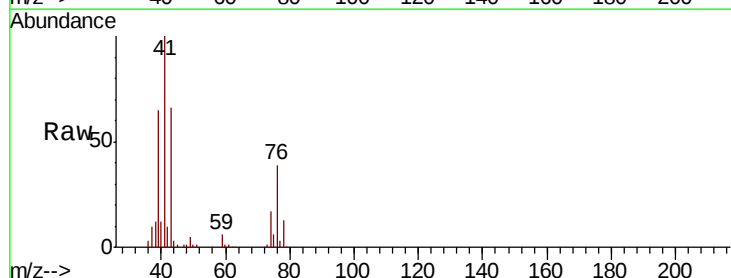
Tgt Ion: 41 Resp: 267813

Ion Ratio Lower Upper

41 100

39 62.6 54.1 81.1

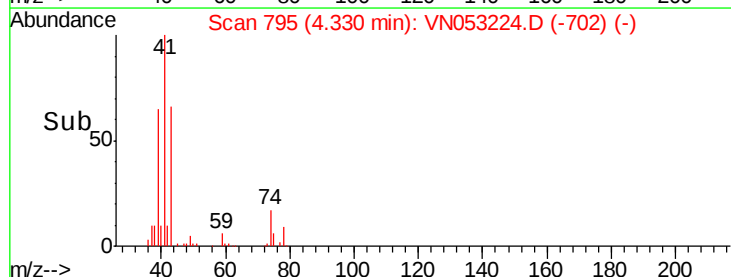
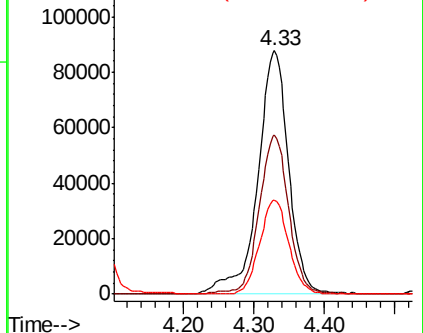
76 36.0 30.3 45.5



Abundance Ion 41.00 (40.70 to 41.70): VN053224.D (-702) (-)

Ion 39.00 (38.70 to 39.70): VN053224.D (-702) (-)

Ion 75.90 (75.60 to 76.60): VN053224.D (-702) (-)





#15

Acrylonitrile

Concen: 105.532 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Instrument :

MSVOA_N

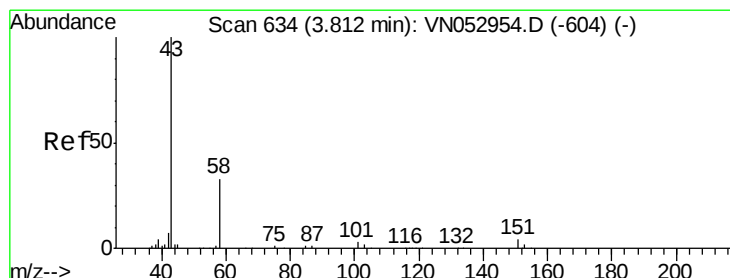
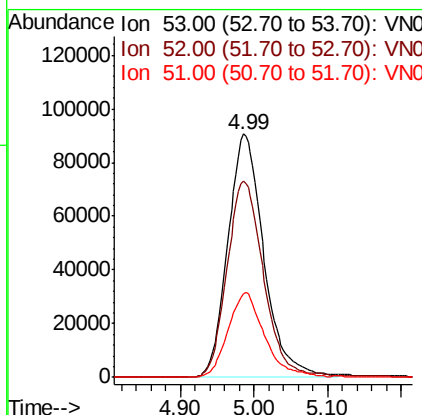
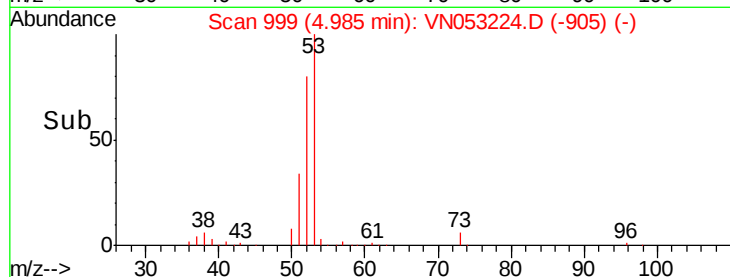
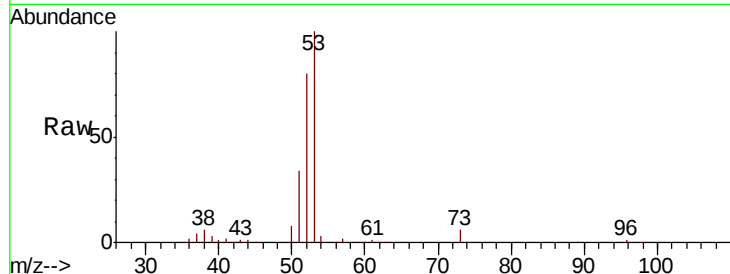
ClientSampleId :

VN1228WBS02

Tot Ion:	53	Resp:	307642
Ion Ratio	Lower	Upper	
53	100		
52	81.8	65.1	97.7
51	35.2	28.1	42.1

Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:49:16 AM



#16

Acetone

Concen: 109.793 ug/l

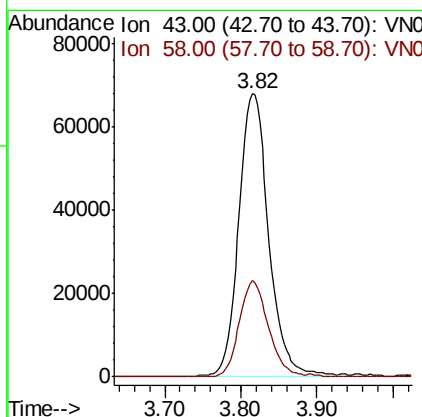
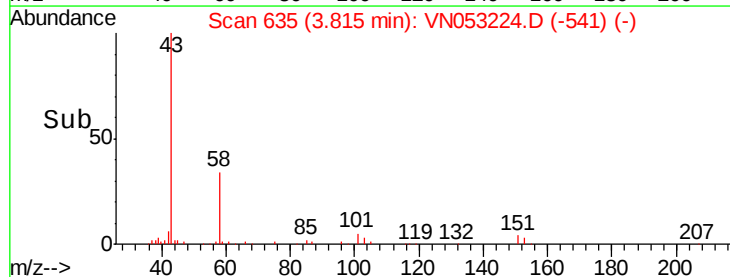
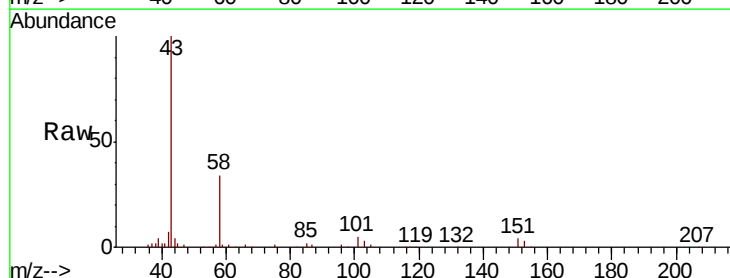
RT: 3.82 min Scan# 635

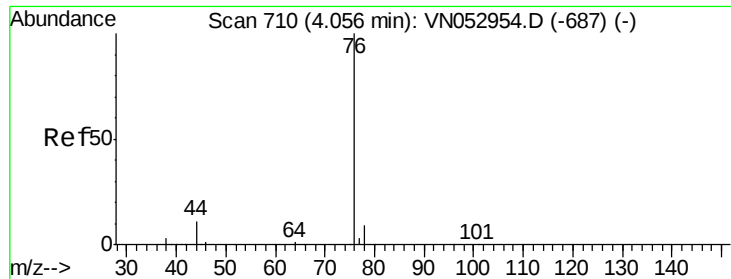
Delta R.T. 0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Tgt Ion:	43	Resp:	185131
Ion Ratio	Lower	Upper	
43	100		
58	34.0	25.4	38.0





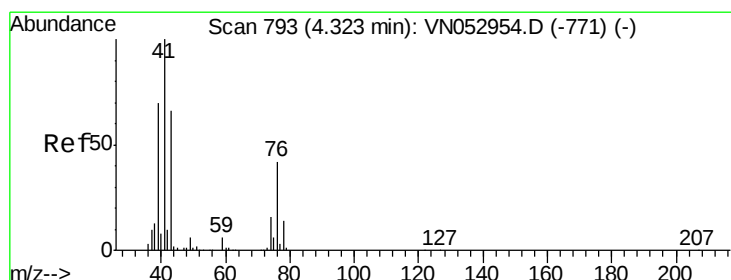
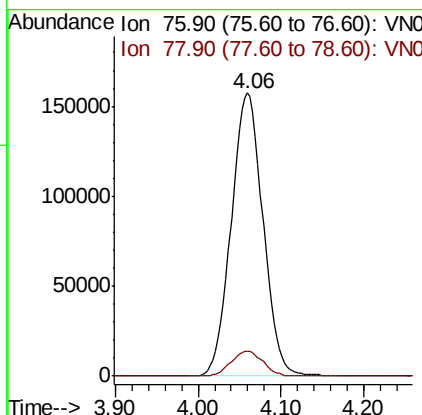
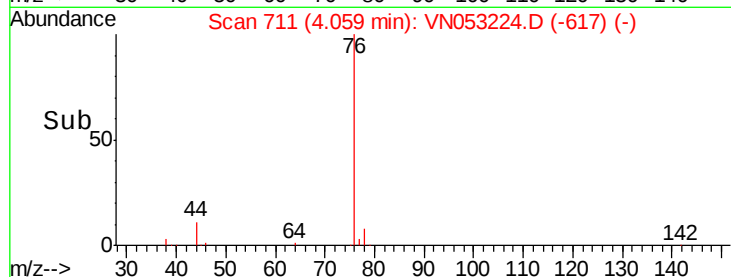
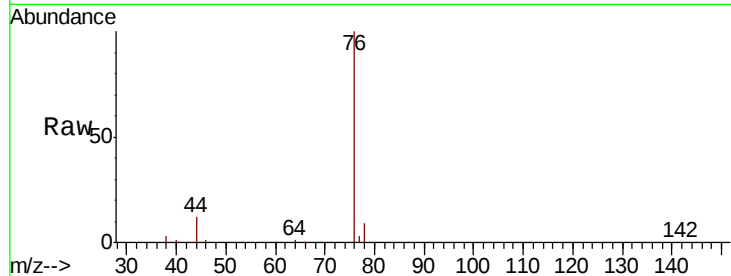
#17
Carbon Disulfide
Concen: 15.940 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBS02

Tot Ion: 76 Resp: 419899
Ion Ratio Lower Upper
76 100
78 8.6 7.1 10.7

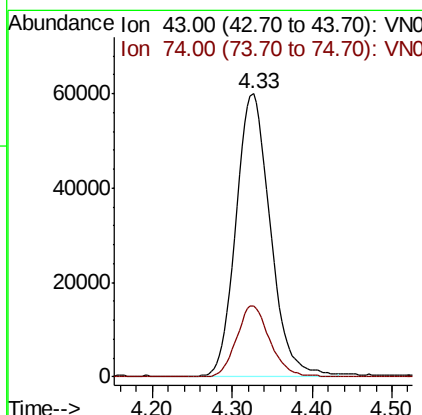
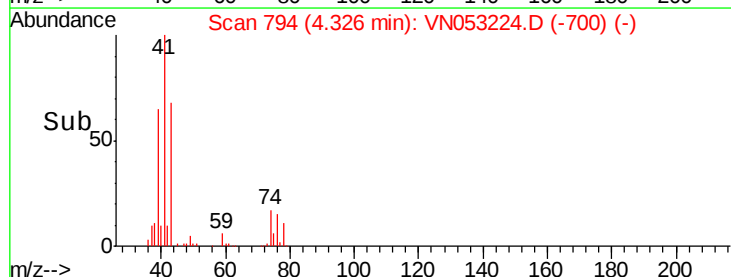
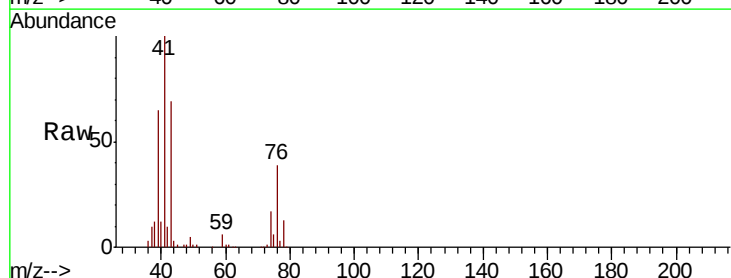
Manual Integrations
APPROVED

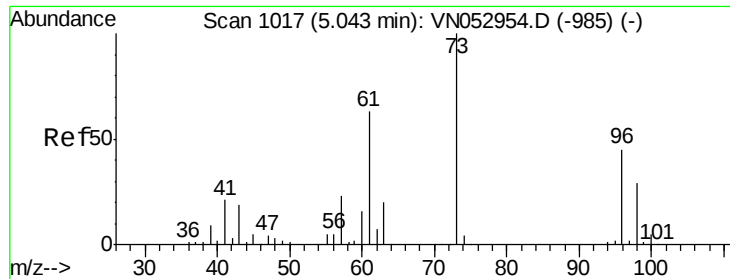
MMDadoda
1/2/2019 9:49:16 AM



#18
Methyl Acetate
Concen: 23.401 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Tgt Ion: 43 Resp: 174974
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8





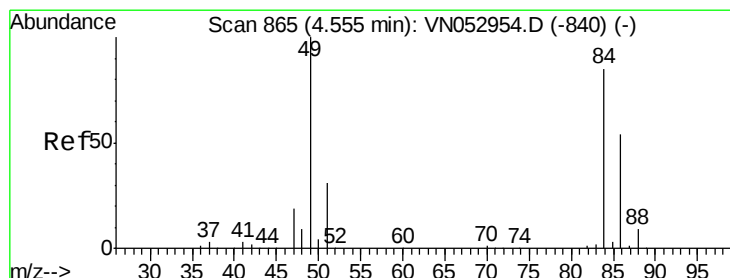
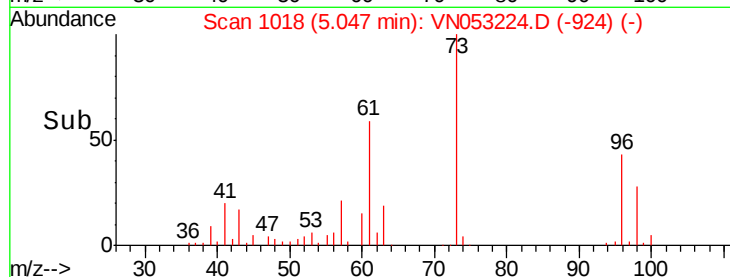
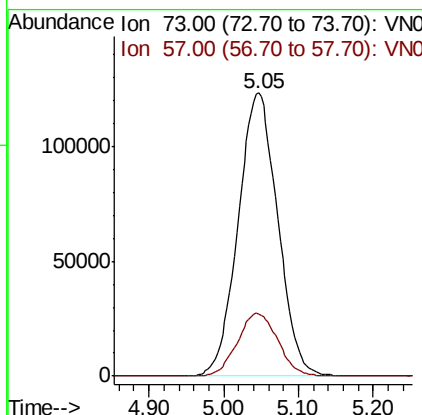
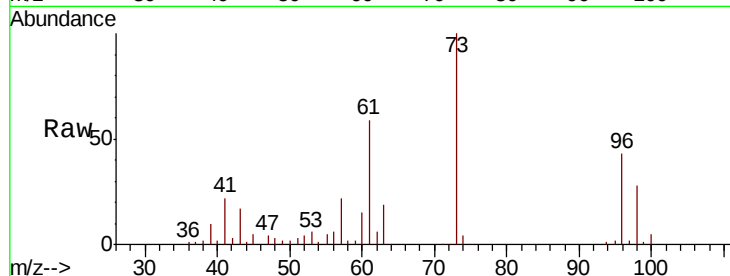
#19
Methvl tert-butvl Ether
Concen: 20.997 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBS02

Tot Ion: 73 Resp: 453858
Ion Ratio Lower Upper
73 100
57 22.0 18.4 27.6

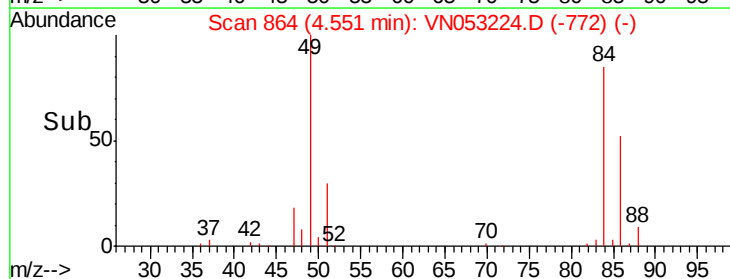
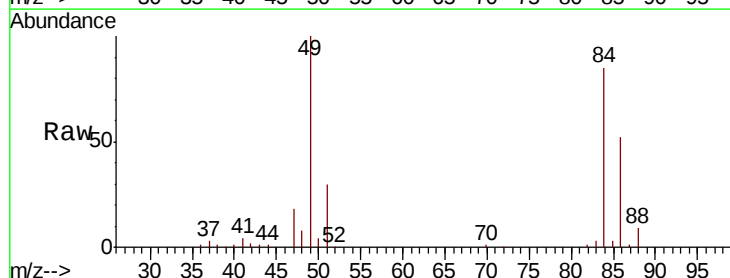
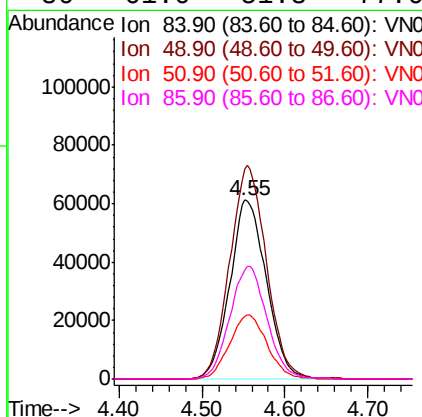
Manual Integrations
APPROVED

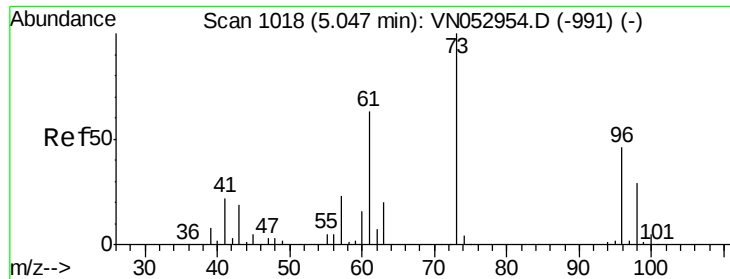
MMDadoda
1/2/2019 9:49:16 AM



#20
Methylene Chloride
Concen: 20.488 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Tgt Ion: 84 Resp: 188447
Ion Ratio Lower Upper
84 100
49 117.0 96.8 145.2
51 35.2 29.9 44.9
86 61.0 51.8 77.6





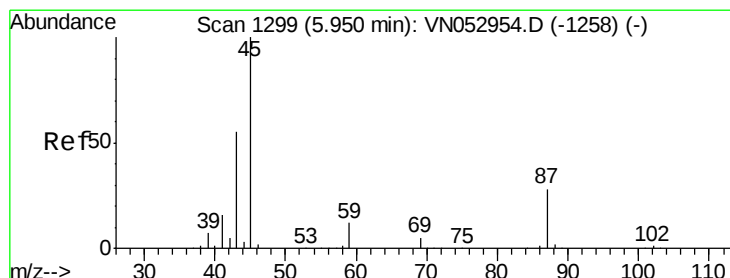
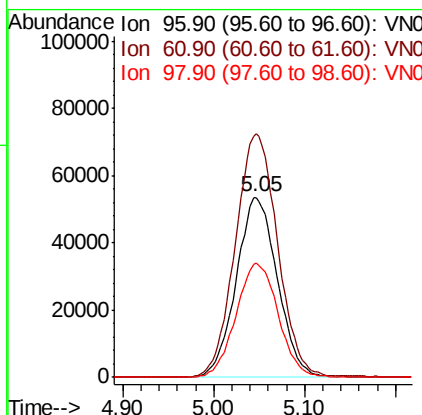
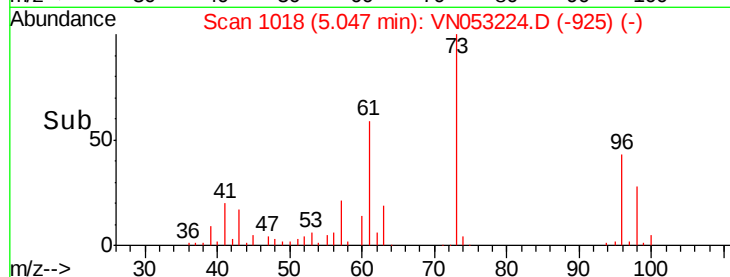
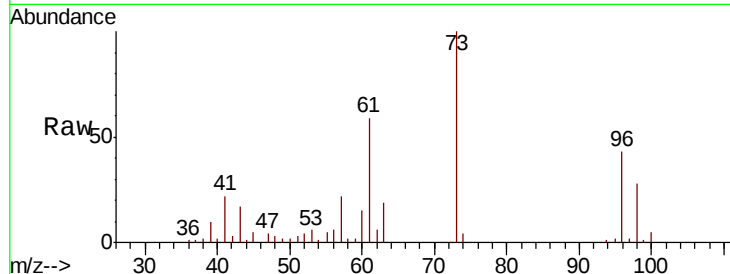
#21
trans-1,2-Dichloroethene
Concen: 19.440 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.3	110.8	166.2
98	63.4	51.4	77.2

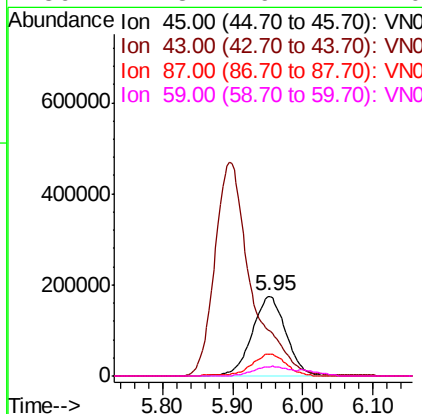
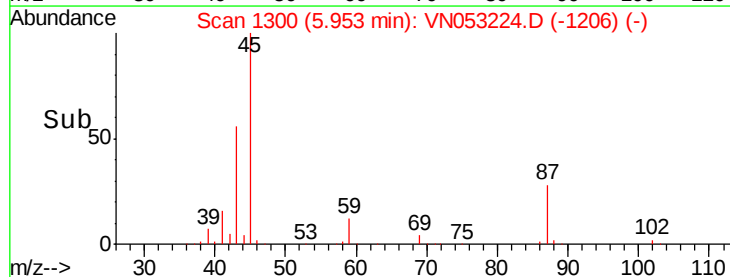
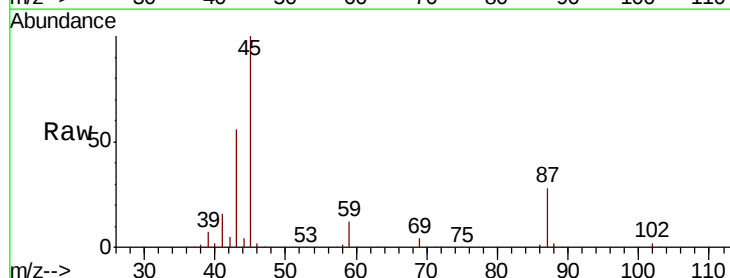
Manual Integrations
APPROVED

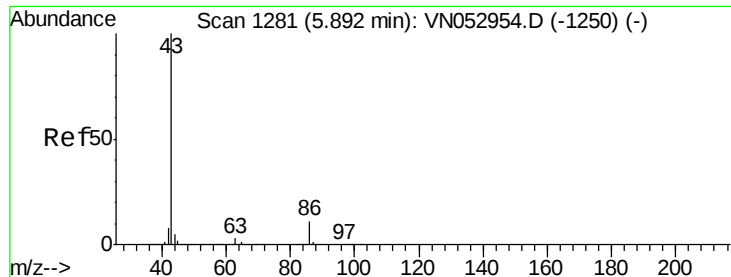
MMDadoda
1/2/2019 9:49:16 AM



#22
Diisopropyl ether
Concen: 21.896 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.6	45.5	68.3
87	27.8	22.0	33.0
59	11.8	9.4	14.0





#23

Vinyl Acetate

Concen: 109.826 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Instrument :

MSVOA_N

ClientSampled :

VN1228WBS02

Tot Ion: 43 Resp: 1686552

Ion Ratio Lower Upper

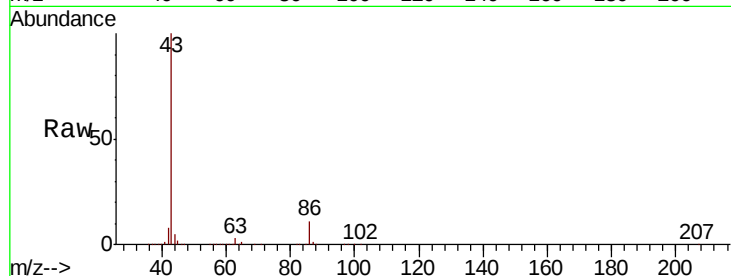
43 100

86 10.6 8.1 12.1

Manual Integrations
APPROVED

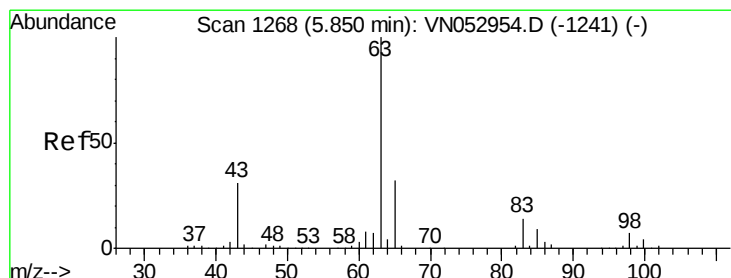
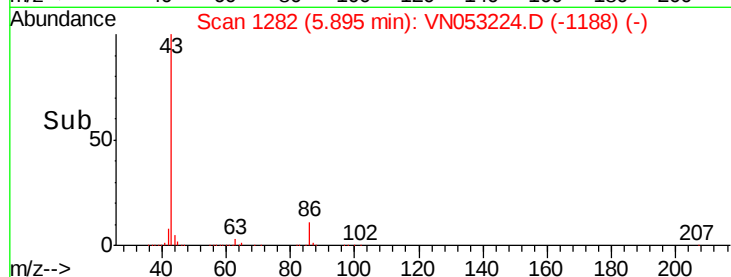
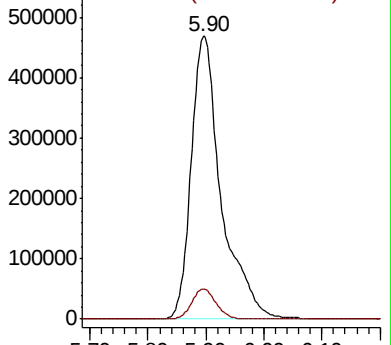
MMDadoda

1/2/2019 9:49:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.956 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

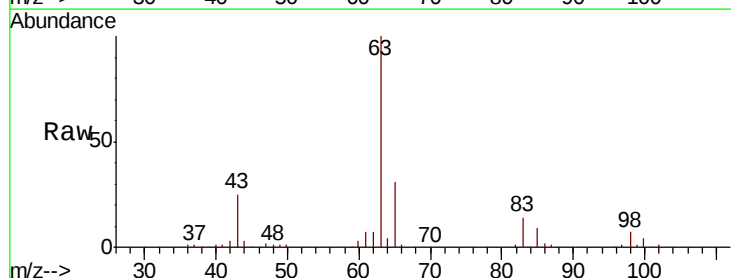
Tgt Ion: 63 Resp: 332556

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.4

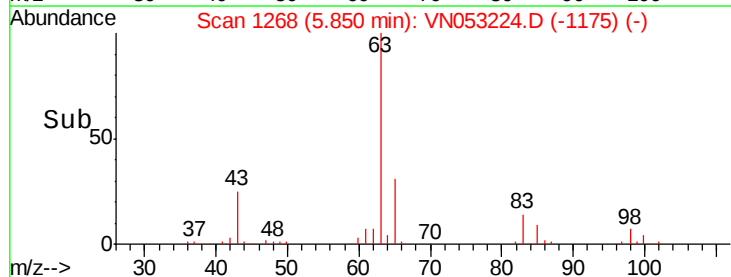
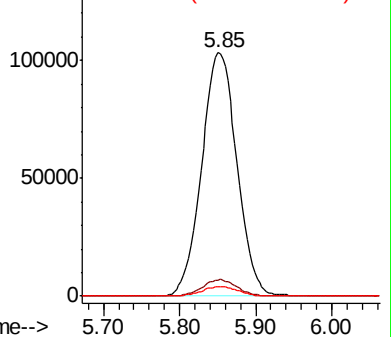
100 3.7 2.0 5.8

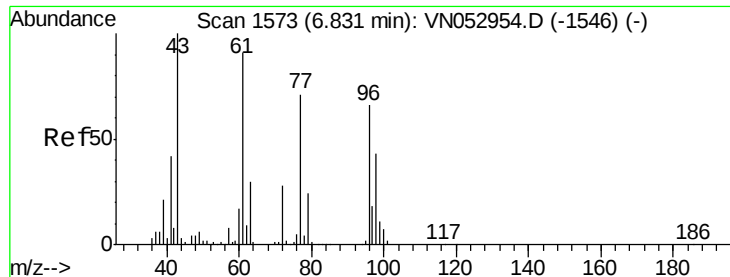


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 112.761 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1228WBS02

Tot Ion: 43 Resp: 319095

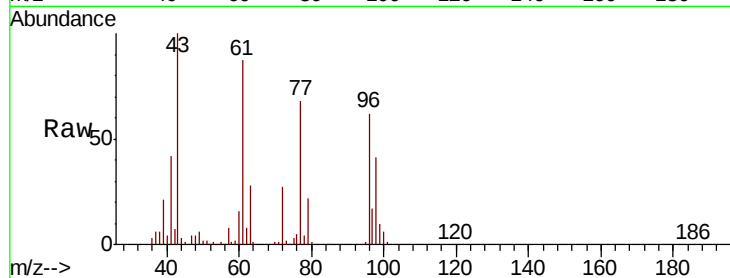
Ion Ratio Lower Upper

43 100

72 26.6 21.0 31.6

Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:49:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

120000

100000

80000

60000

40000

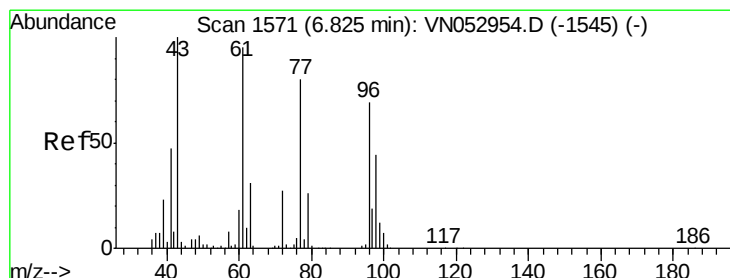
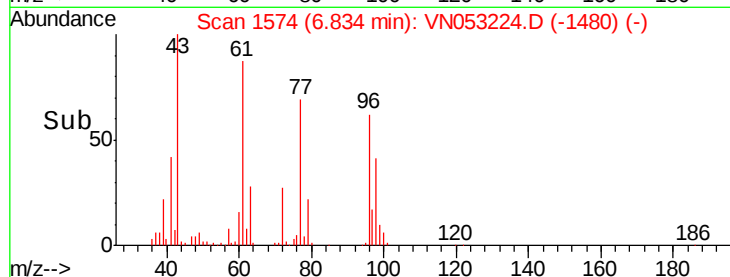
20000

0

6.70 6.80 6.90

6.83

Time-->



#26

2,2-Dichloropropane

Concen: 20.552 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053224.D

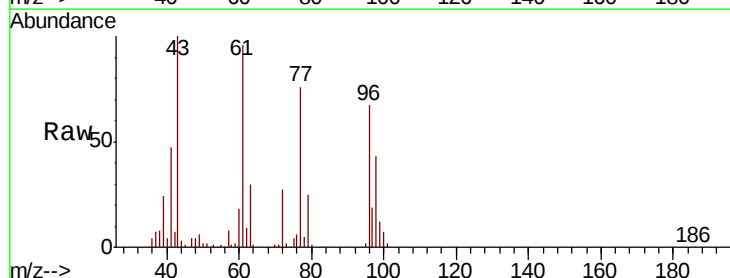
Acq: 28 Dec 2018 14:56

Tgt Ion: 77 Resp: 248973

Ion Ratio Lower Upper

77 100

97 24.2 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

80000

60000

40000

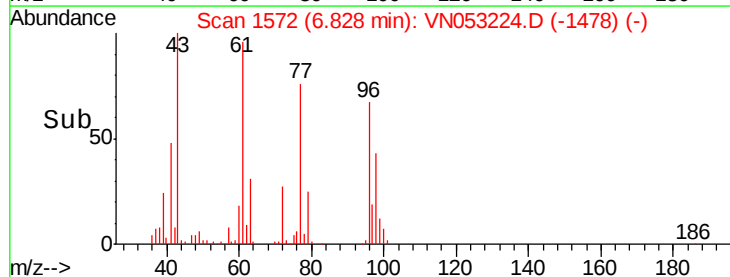
20000

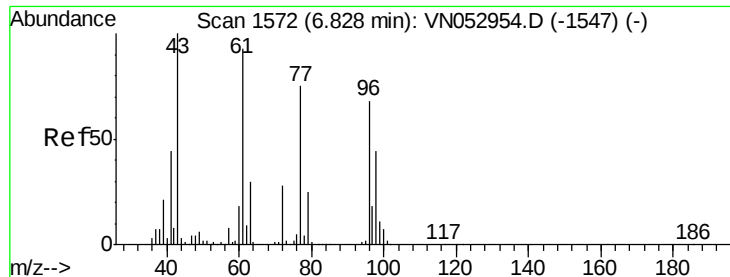
0

6.70 6.80 6.90

6.83

Time-->





#27

cis-1,2-Dichloroethene

Concen: 20.487 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Instrument :

MSVOA_N

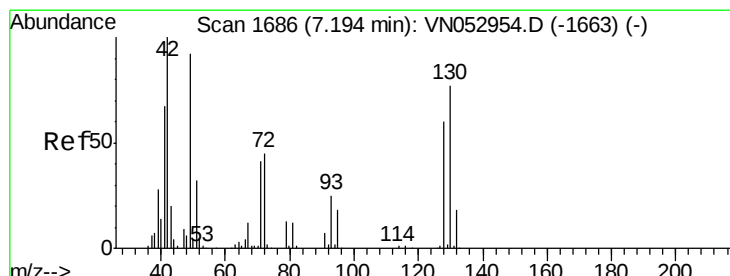
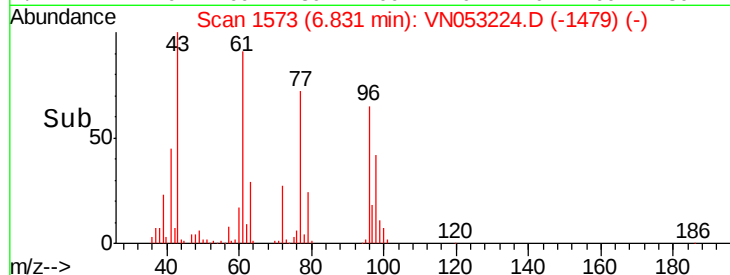
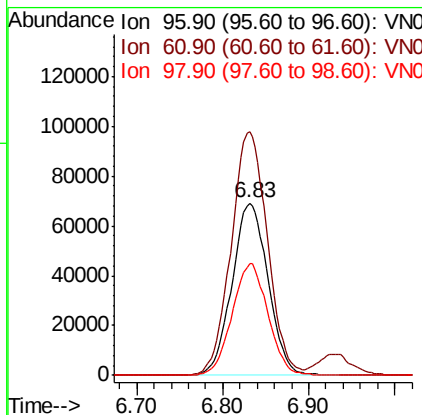
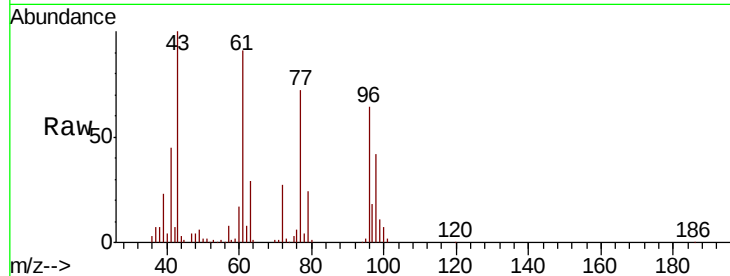
ClientSampleId :

VN1228WBS02

Tot Ion:	96	Resp:	201284
Ion	Ratio	Lower	Upper
96	100		
61	142.6	0.0	284.2
98	64.5	0.0	129.2

Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:49:16 AM



#28

Bromochloromethane

Concen: 20.027 ug/l

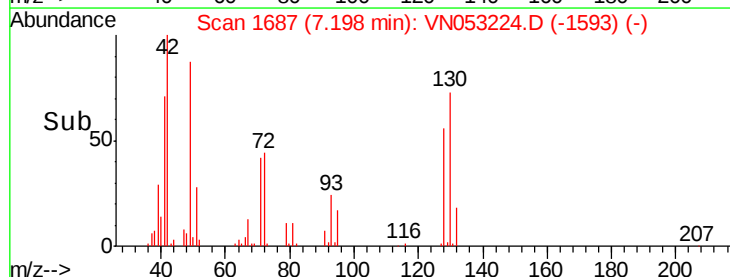
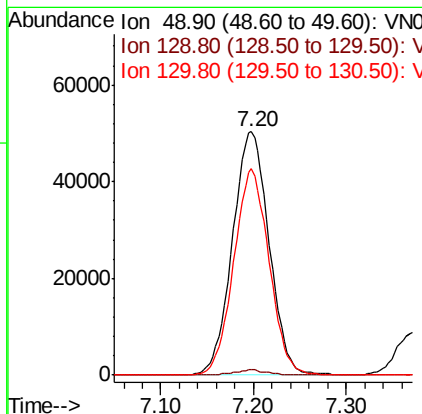
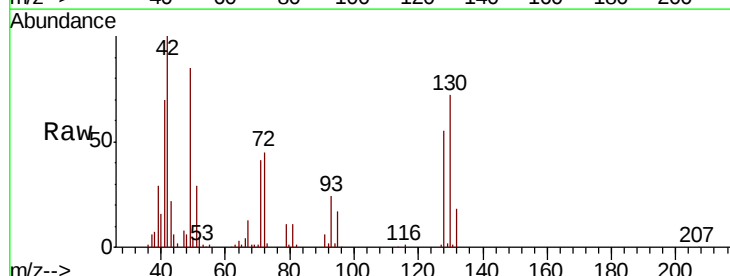
RT: 7.20 min Scan# 1687

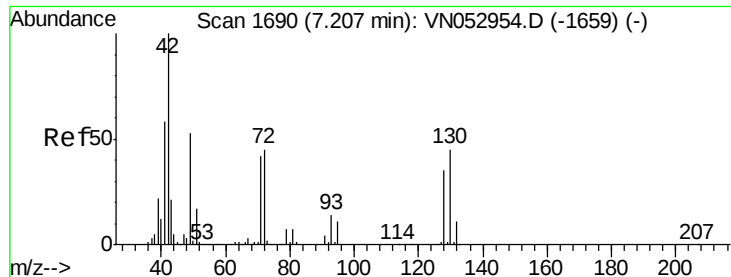
Delta R.T. 0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Tgt Ion:	49	Resp:	137717
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	81.7	63.3	94.9





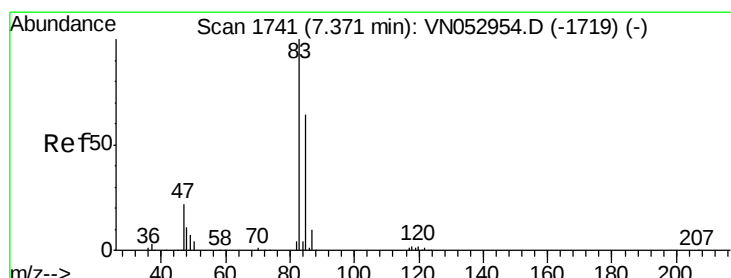
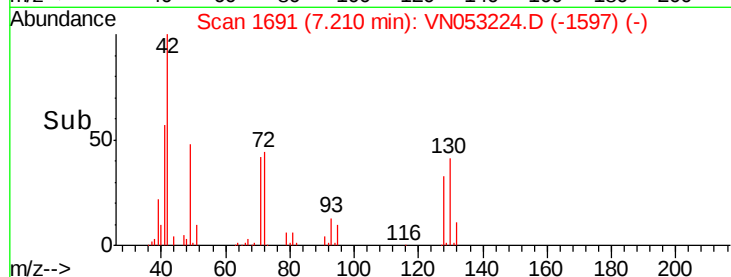
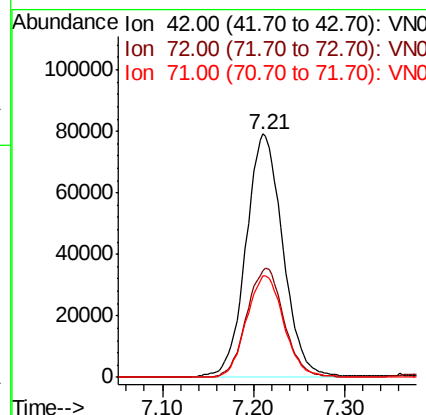
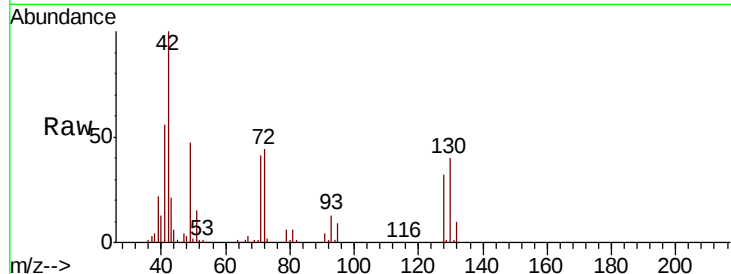
#29
Tetrahydrofuran
Concen: 104.660 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	34.7	52.1
71	42.7	32.3	48.5

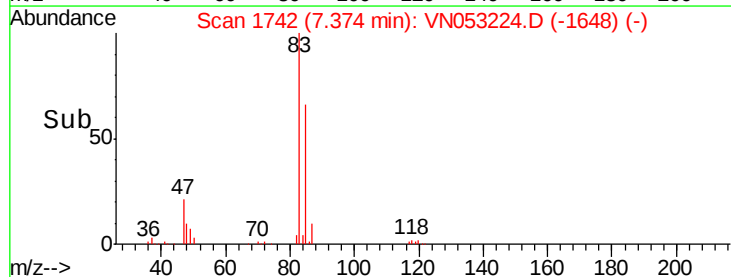
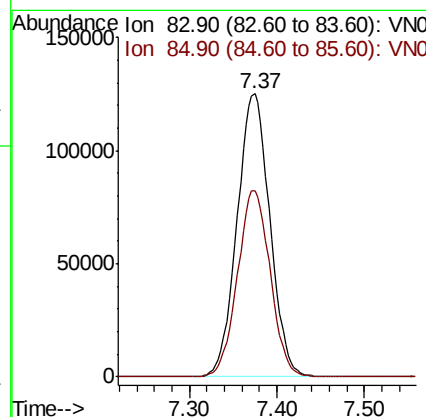
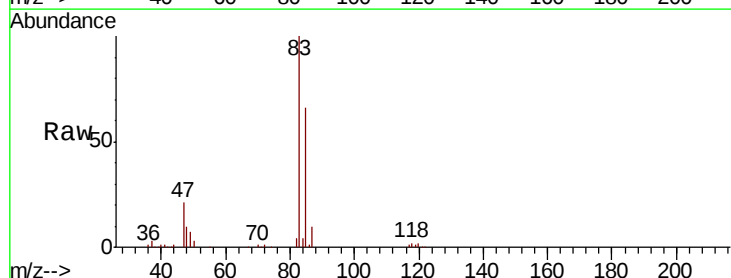
Manual Integrations
APPROVED

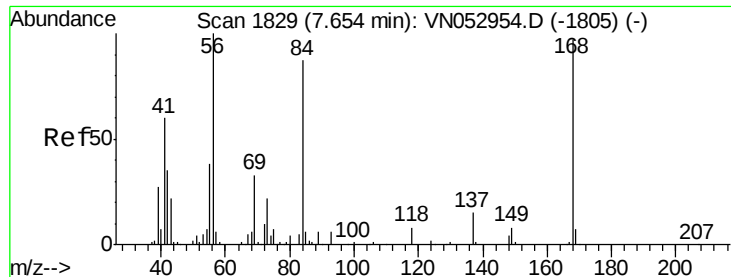
MMDadoda
1/2/2019 9:49:16 AM



#30
Chloroform
Concen: 20.937 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.1	78.1





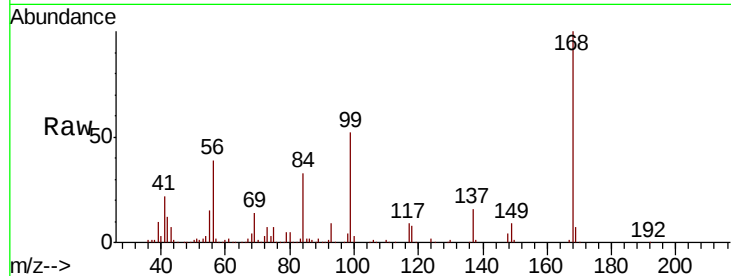
#31
Cyclohexane
Concen: 19.794 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.7	26.6	39.8
84	85.0	68.4	102.6

Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:49:16 AM

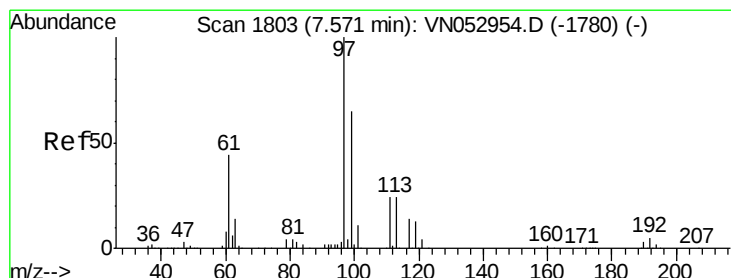
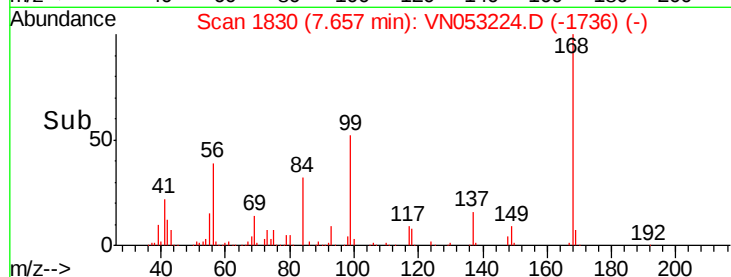
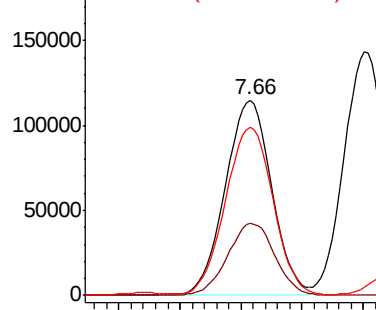


Abundance

Ion 56.00 (55.70 to 56.70): VN0

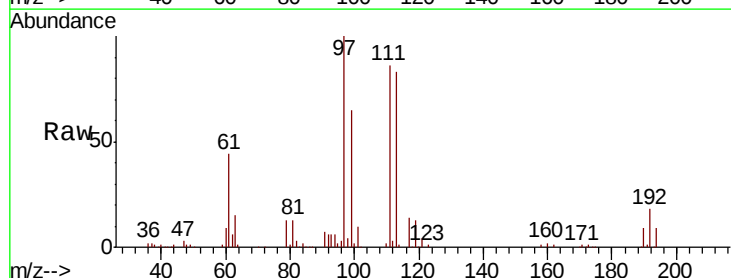
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32
1,1,1-Trichloroethane
Concen: 20.350 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.1	76.7
61	43.5	35.0	52.6

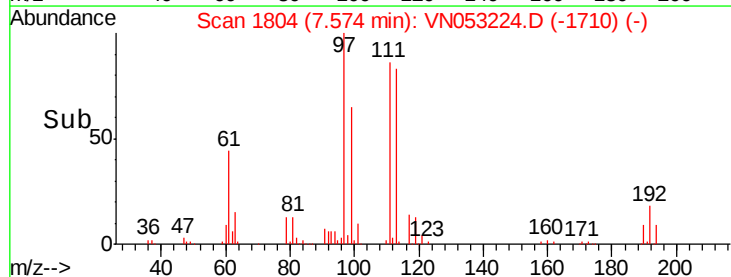
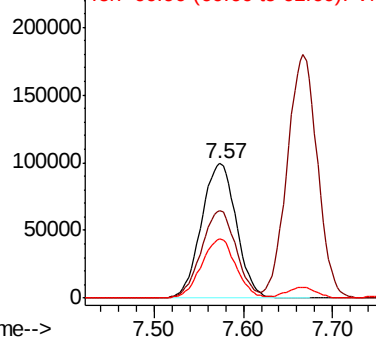


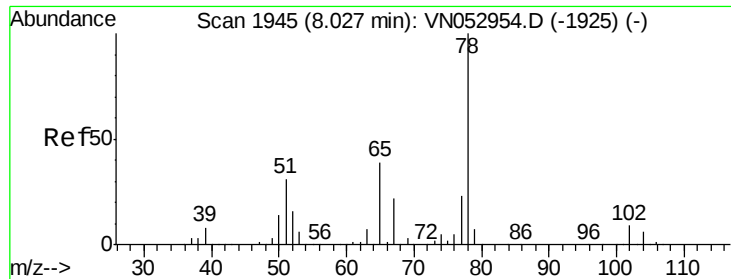
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





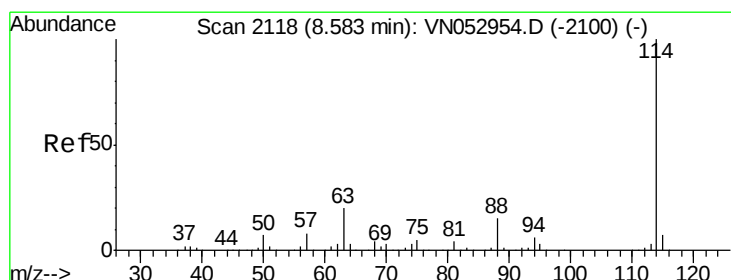
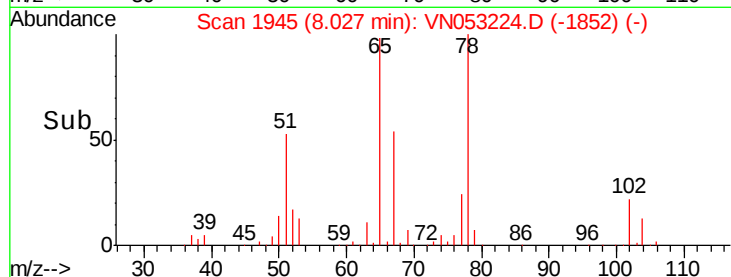
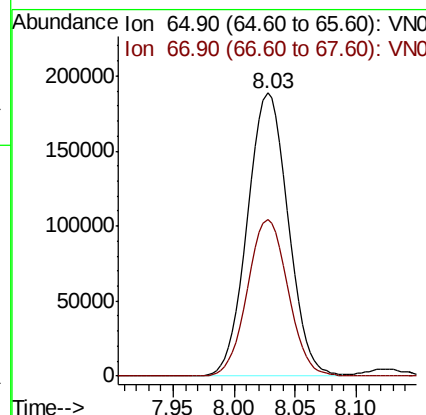
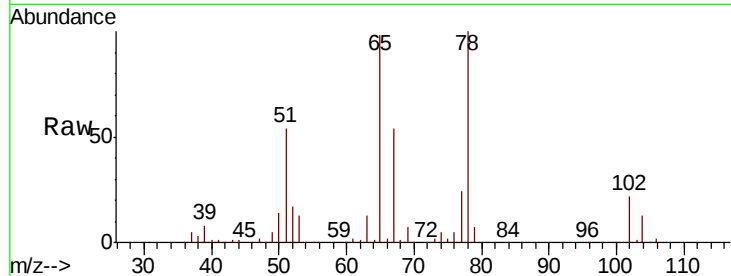
#33
 1,2-Dichloroethane-d4
 Concen: 20.350 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053224.D
 Acq: 28 Dec 2018 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1228WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	435819		
67	55.2	0.0	110.4	

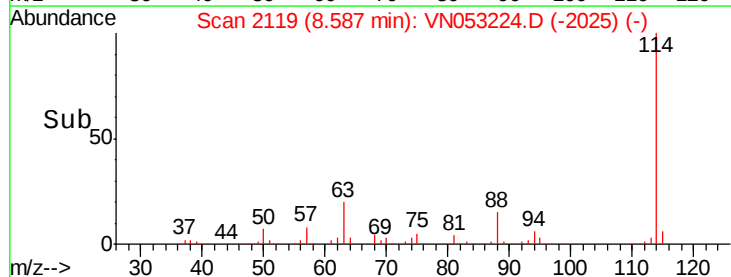
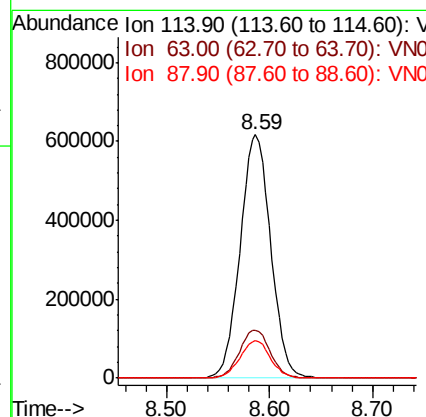
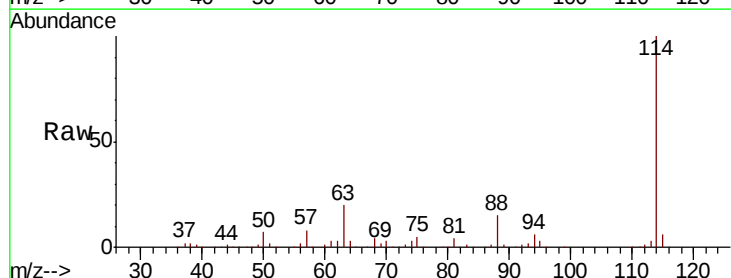
Manual Integrations
 APPROVED

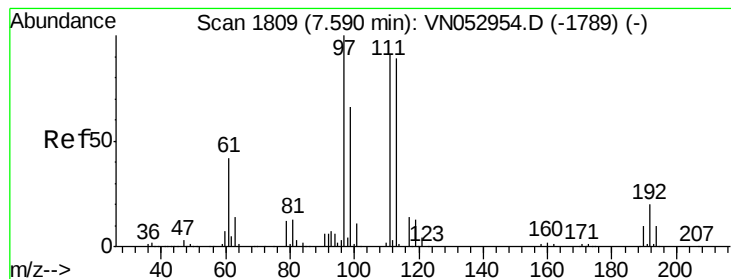
MMDadoda
 1/2/2019 9:49:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053224.D
 Acq: 28 Dec 2018 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1272157		
63	19.8	0.0	39.8	
88	15.4	0.0	31.0	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Instrument :

MSVOA_N

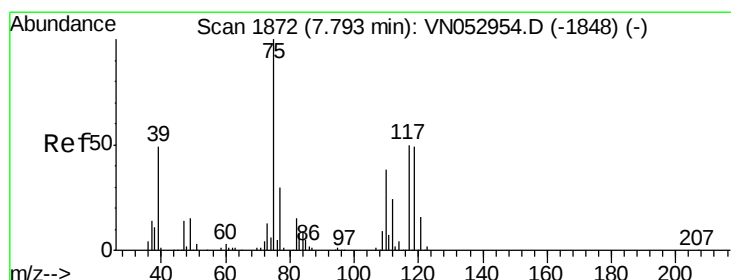
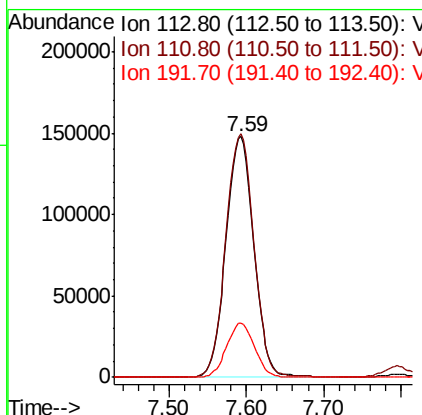
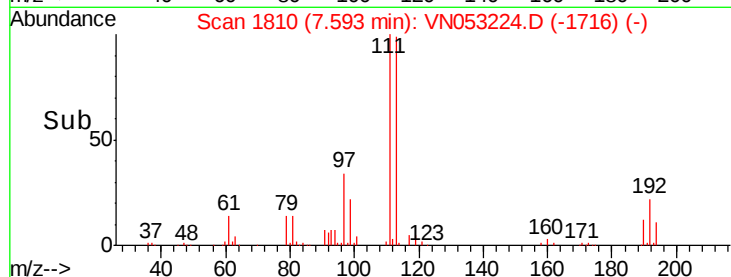
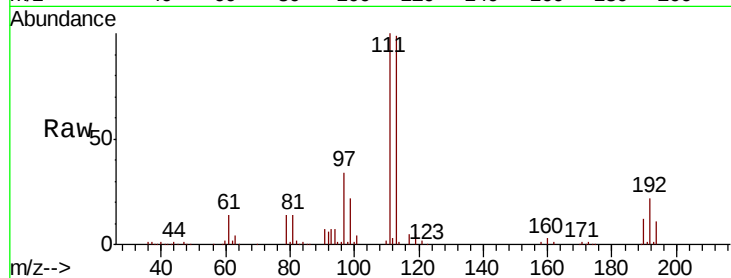
ClientSampleId :

VN1228WBS02

Tot Ion:	113	Resp:	369865
Ion Ratio	Lower	Upper	
113	100		
111	102.2	83.0	124.4
192	22.4	17.5	26.3

Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:49:16 AM



#36

1,1-Dichloropropene

Concen: 20.256 ug/l

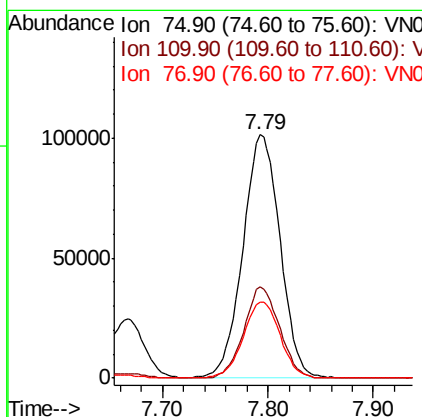
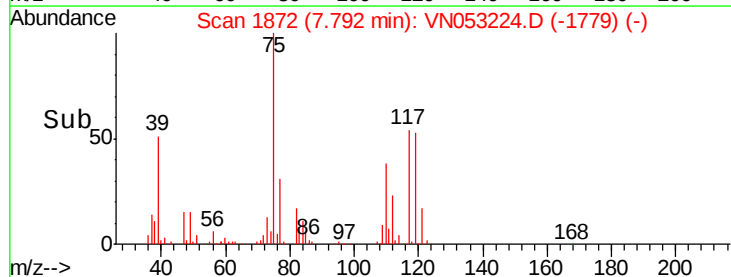
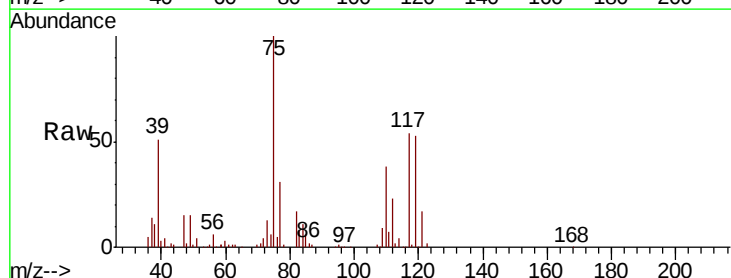
RT: 7.79 min Scan# 1872

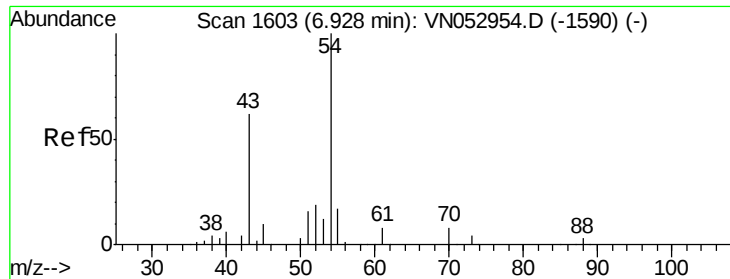
Delta R.T. -0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Tgt Ion:	75	Resp:	247335
Ion Ratio	Lower	Upper	
75	100		
110	36.0	18.2	54.6
77	31.5	24.9	37.3





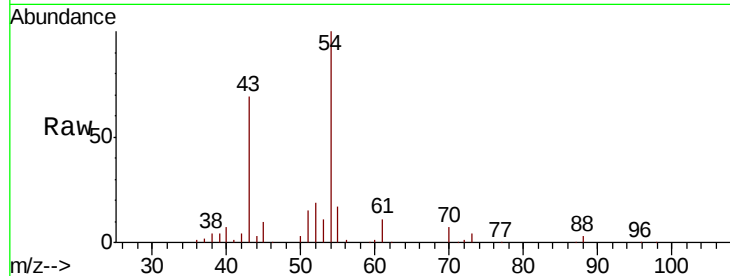
#37
Ethyl Acetate
Concen: 21.828 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Instrument :
MSVOA_N
ClientSampled :
VN1228WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.8	17.6
70	10.8	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:49:16 AM

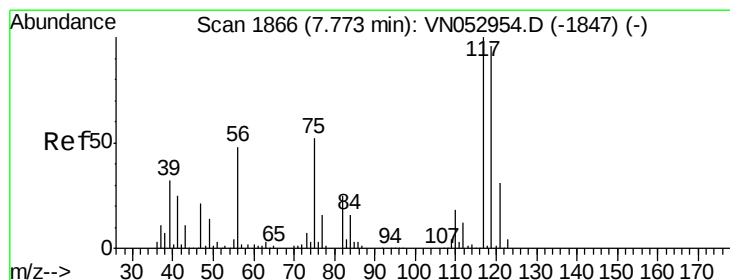
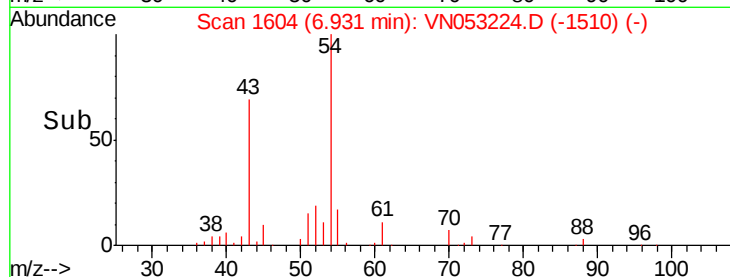
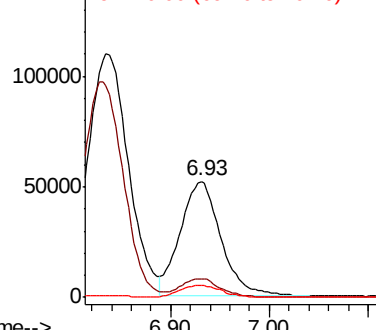


Abundance

Ion 43.00 (42.70 to 43.70): VN053224.D (-1590) (-)

Ion 60.90 (60.60 to 61.60): VN053224.D (-1590) (-)

Ion 70.00 (69.70 to 70.70): VN053224.D (-1590) (-)



#38
Carbon Tetrachloride
Concen: 20.705 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

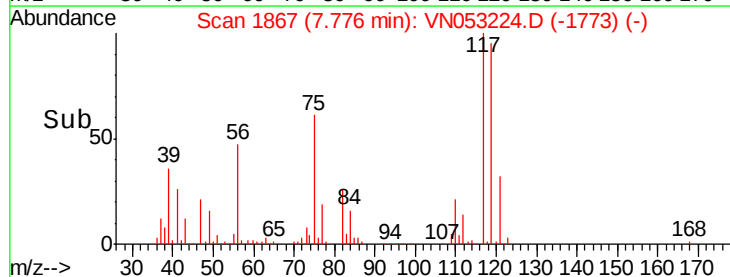
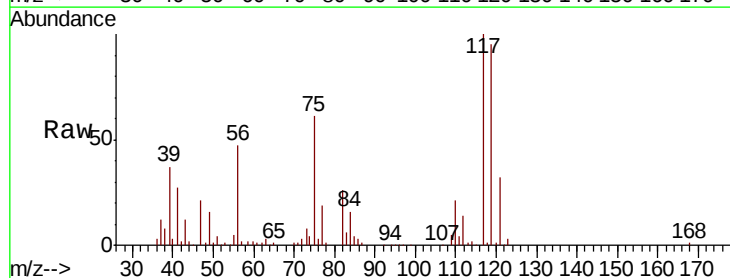
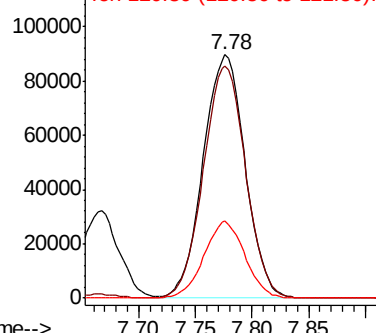
Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.1	115.7
121	31.6	24.9	37.3

Abundance

Ion 116.80 (116.50 to 117.50): VN053224.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN053224.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN053224.D (-1773) (-)





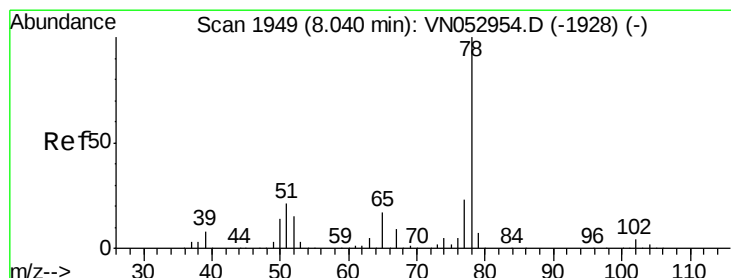
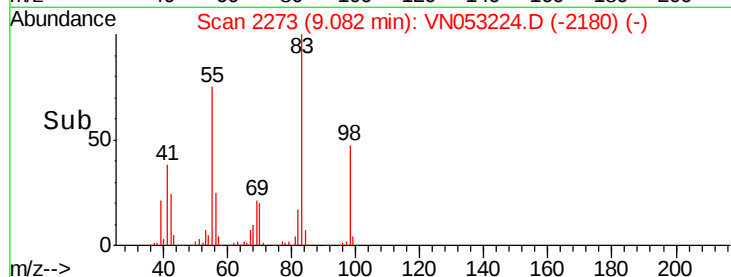
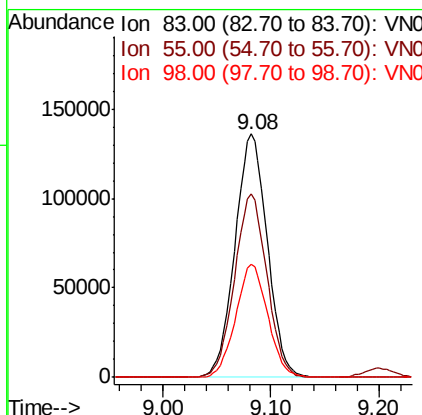
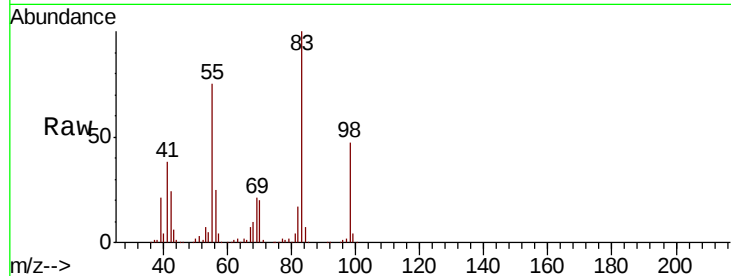
#39
Methvlcvclohexane
Concen: 19.153 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	284103		
55	75.1		61.3	91.9
98	46.7		37.0	55.4

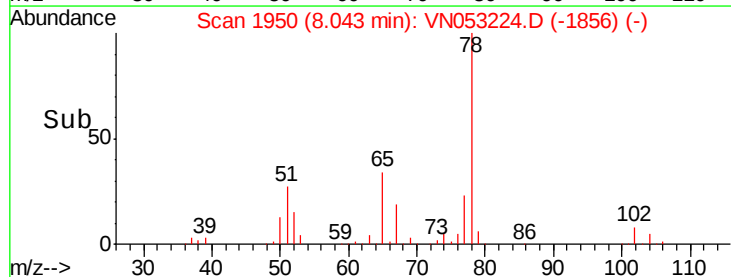
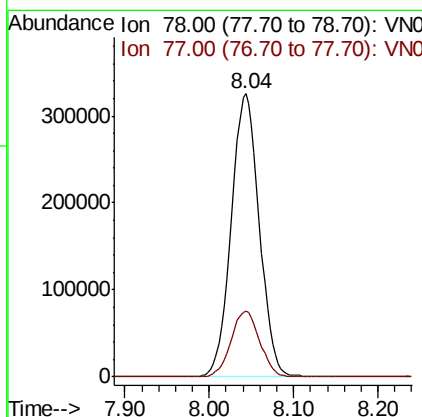
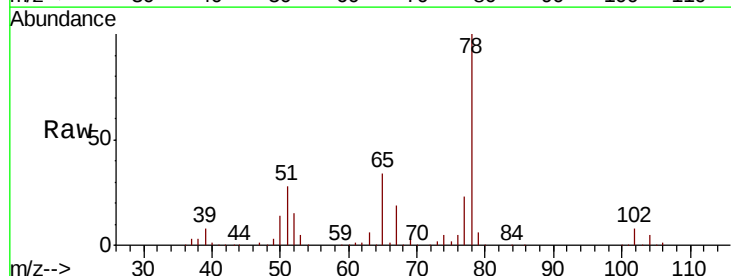
Manual Integrations
APPROVED

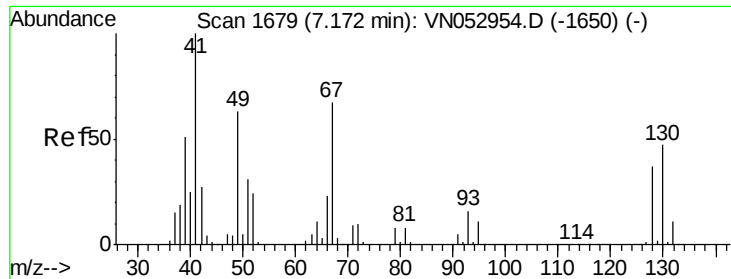
MMDadoda
1/2/2019 9:49:16 AM



#40
Benzene
Concen: 20.767 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	754268		
77	23.3		18.5	27.7





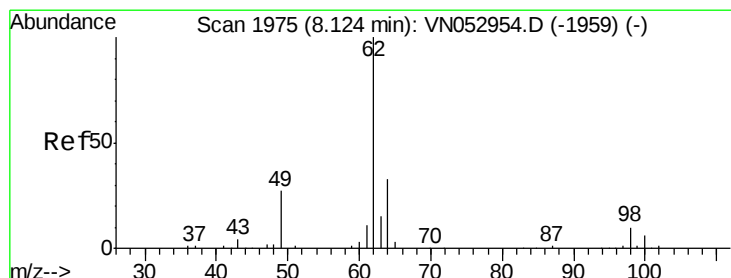
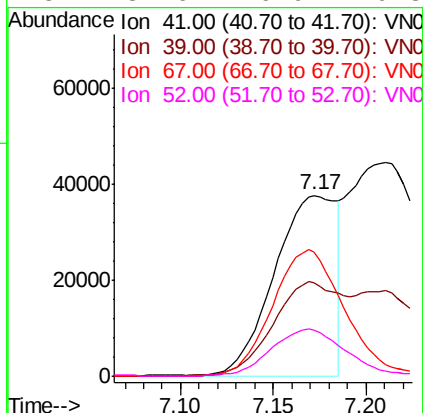
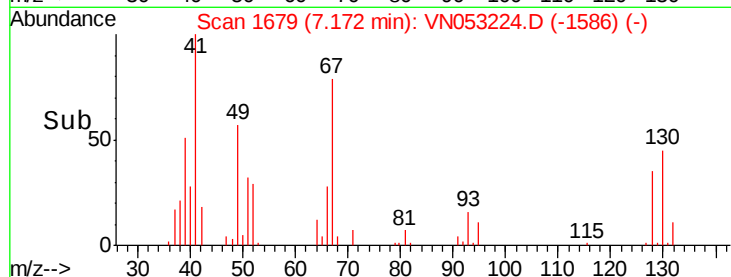
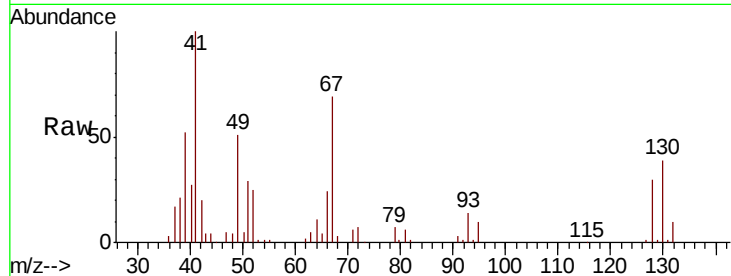
#41
Methacrylonitrile
Concen: 22.377 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBS02

Tot Ion	41	Resp	88133
Ion	Ratio	Lower	Upper
41	100		
39	59.0	48.0	72.0
67	81.4	70.3	105.5
52	31.6	26.9	40.3

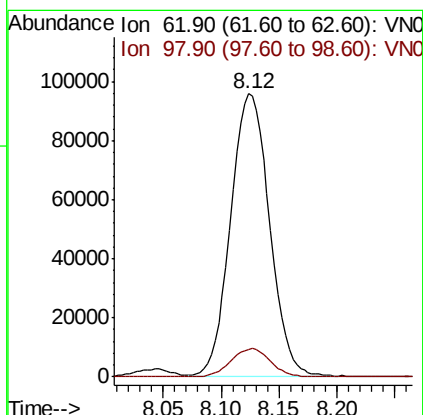
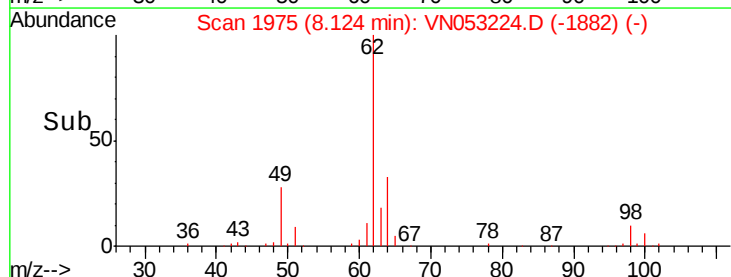
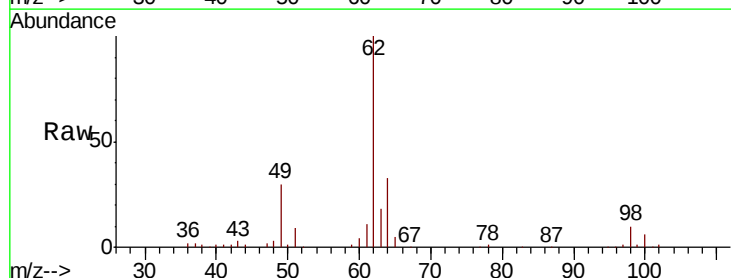
Manual Integrations
APPROVED

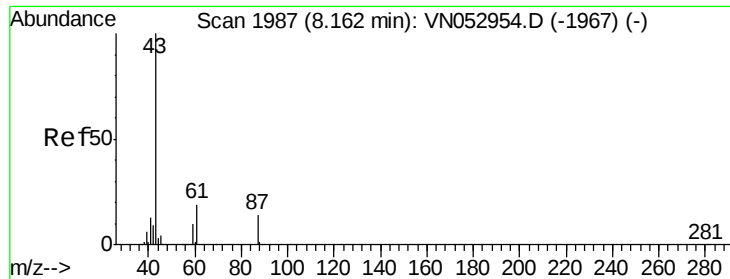
MMDadoda
1/2/2019 9:49:16 AM



#42
1,2-Dichloroethane
Concen: 20.688 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Tgt Ion	62	Resp	221972
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.0





#43

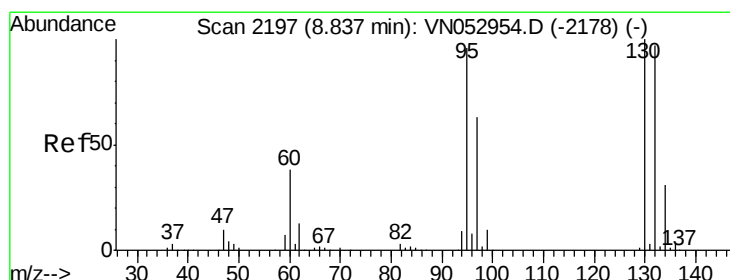
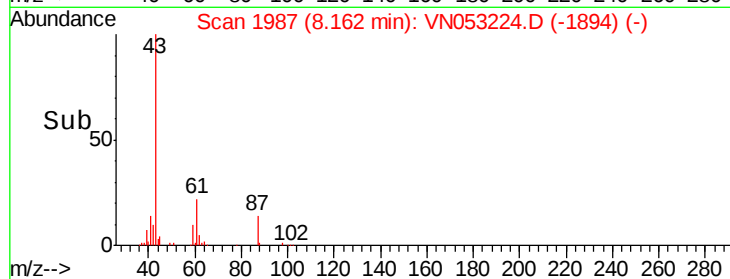
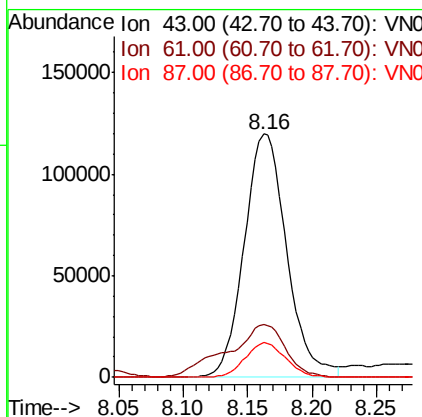
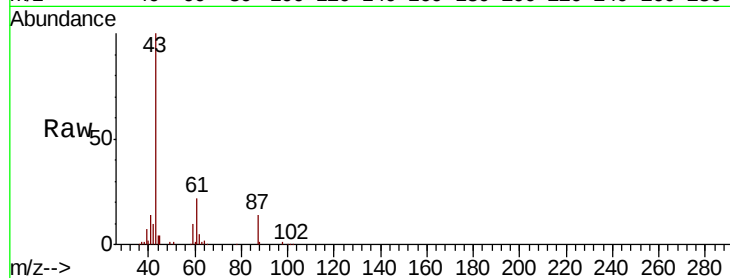
Isopropyl Acetate
 Concen: 20.191 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN053224.D
 Acq: 28 Dec 2018 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1228WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.2	22.9	34.3
87	13.7	10.6	15.8

Manual Integrations
 APPROVED

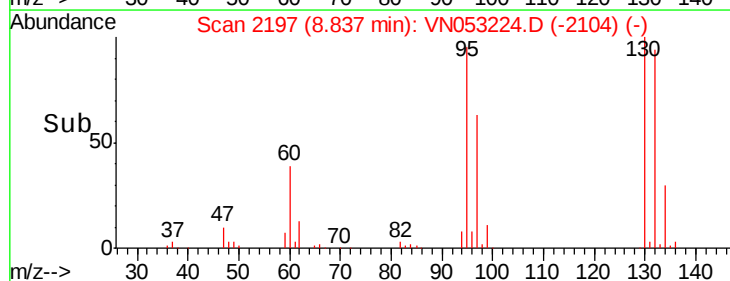
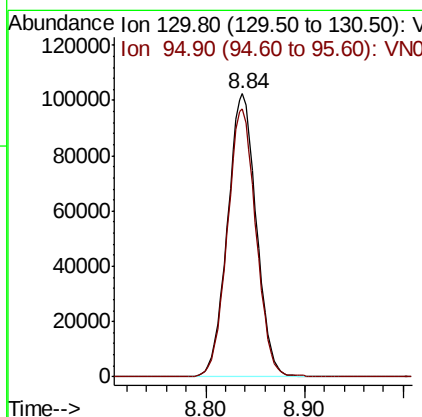
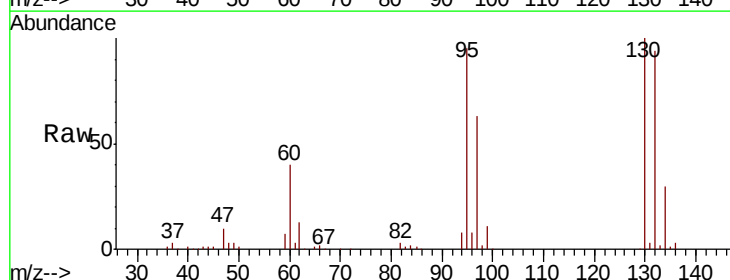
MMDadoda
 1/2/2019 9:49:16 AM

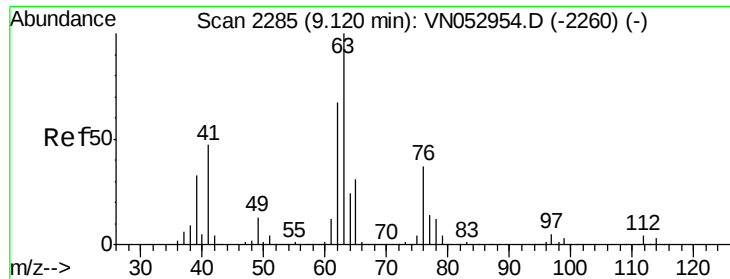


#44

Trichloroethene
 Concen: 19.898 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN053224.D
 Acq: 28 Dec 2018 14:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	197.8





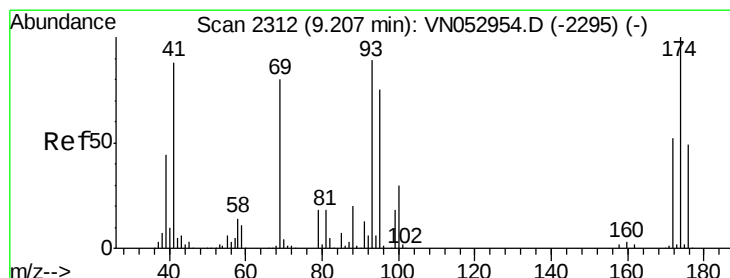
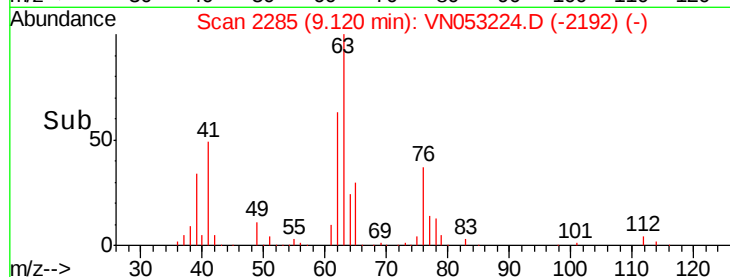
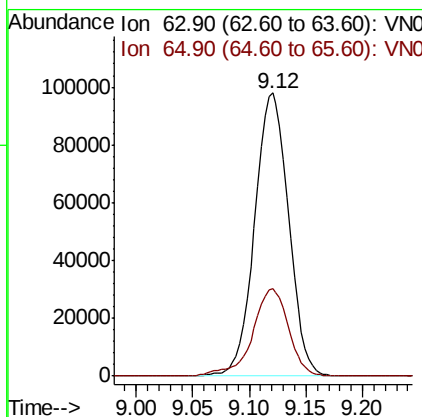
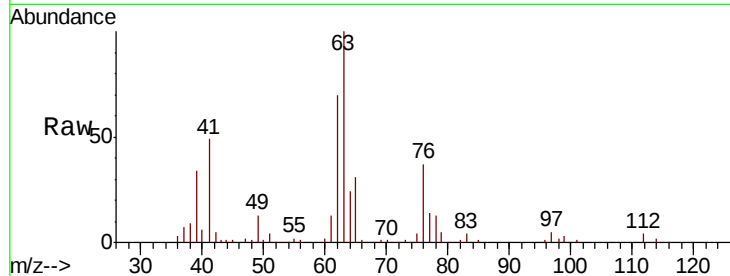
#45
 1,2-Dichloropropane
 Concen: 21.581 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053224.D
 Acq: 28 Dec 2018 14:56

Instrument :
 MSVOA_N
 ClientSampled :
 VN1228WBS02

Tot Ion: 63 Resp: 204163
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.6 37.0

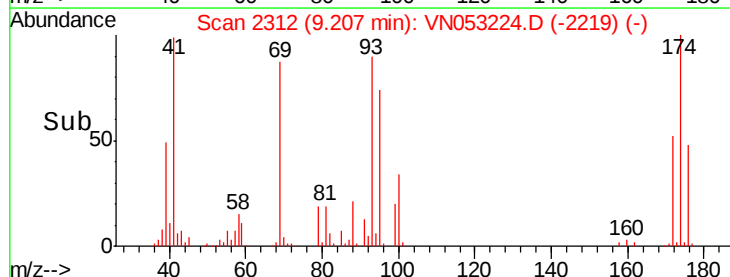
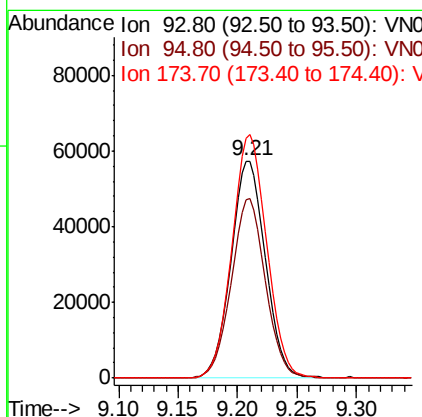
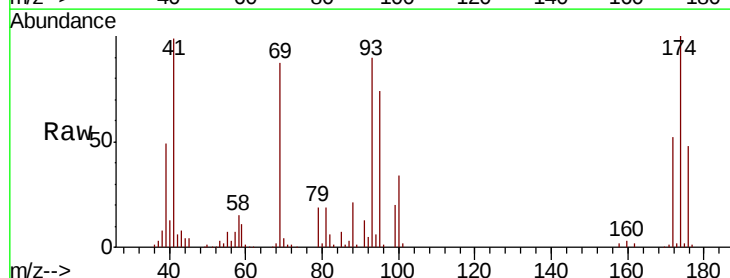
Manual Integrations
 APPROVED

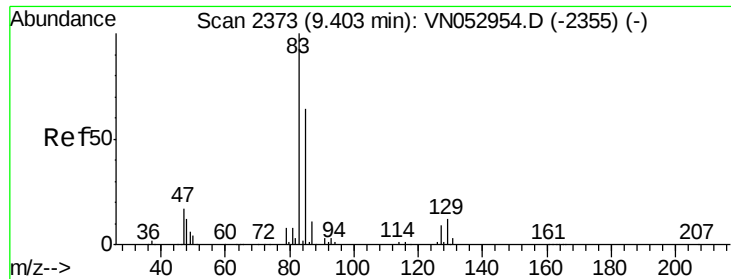
MMDadoda
 1/2/2019 9:49:16 AM



#46
 Dibromomethane
 Concen: 20.879 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053224.D
 Acq: 28 Dec 2018 14:56

Tgt Ion: 93 Resp: 115065
 Ion Ratio Lower Upper
 93 100
 95 81.8 67.8 101.6
 174 113.0 89.0 133.4





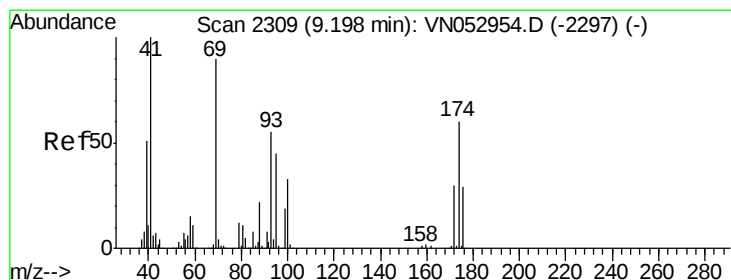
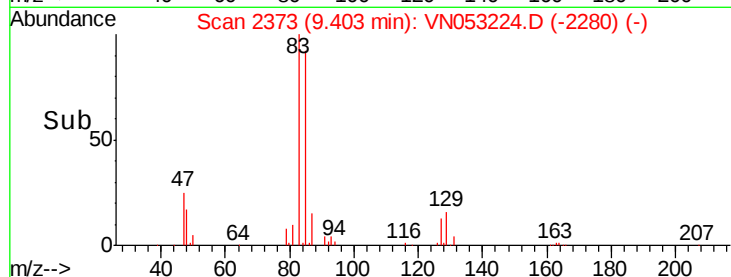
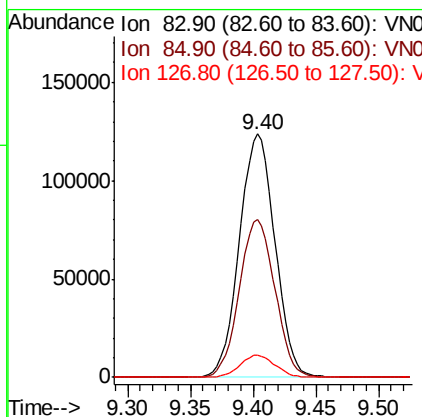
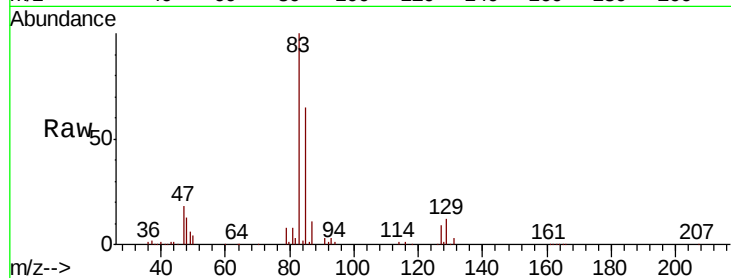
#47
Bromodichloromethane
Concen: 20.879 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.6	77.4
127	9.0	7.1	10.7

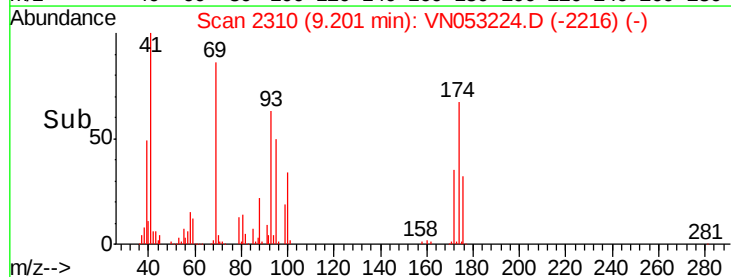
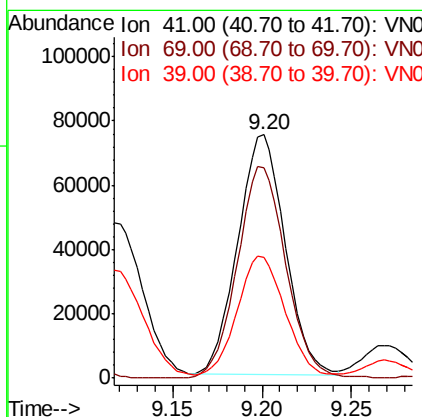
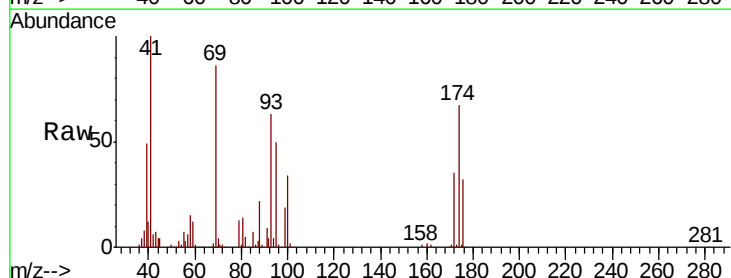
Manual Integrations
APPROVED

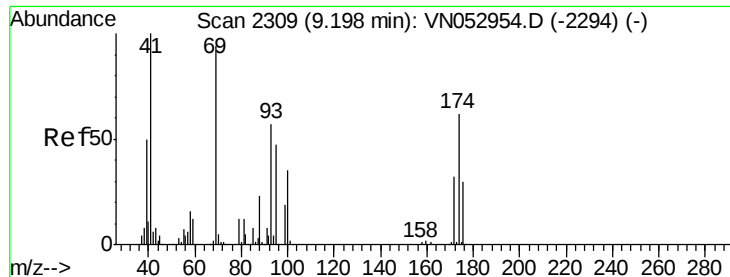
MMDadoda
1/2/2019 9:49:16 AM



#48
Methyl methacrylate
Concen: 20.876 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.1	72.2	108.2
39	52.1	41.9	62.9





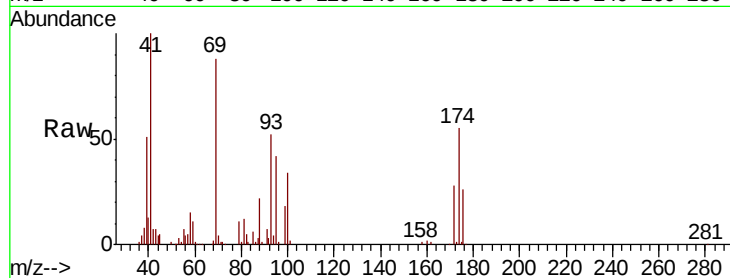
#49
1,4-Dioxane
Concen: 407.441 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.0	26.6	40.0
58	70.7	58.4	87.6

Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:49:16 AM

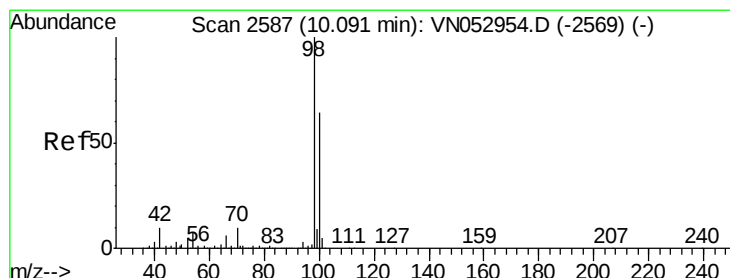
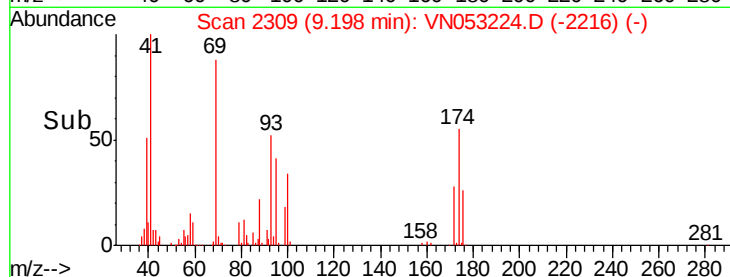
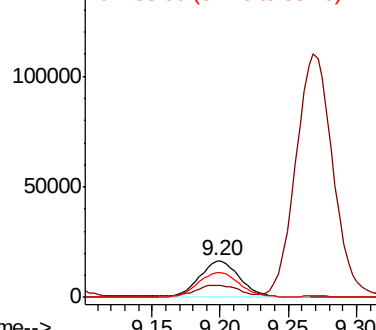


Abundance

Ion 88.00 (87.70 to 88.70): VN053224.D (-2294) (-)

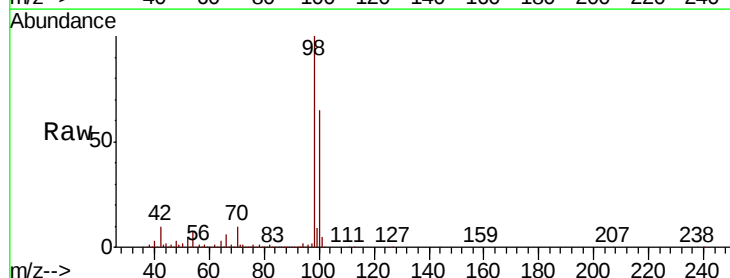
Ion 43.00 (42.70 to 43.70): VN053224.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053224.D (-2294) (-)



#50
Toluene-d8
Concen: 407.441 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

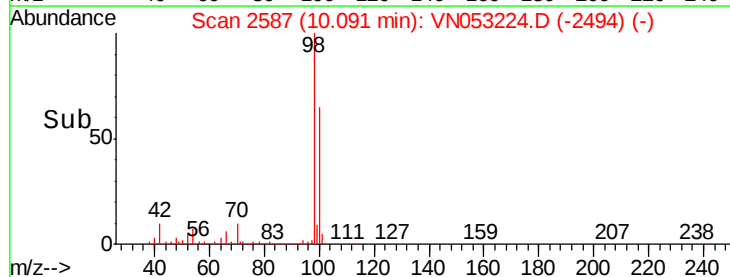
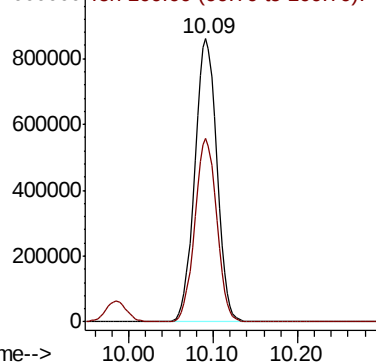
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.6	77.4

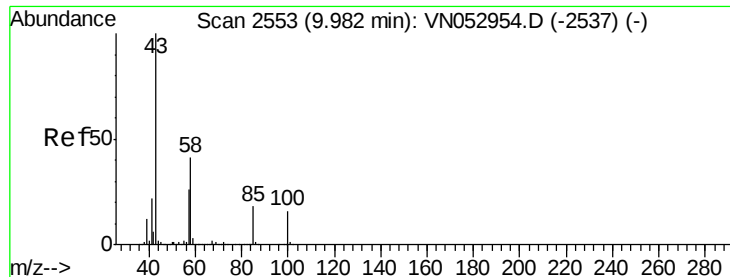


Abundance

Ion 98.00 (97.70 to 98.70): VN053224.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN053224.D (-2569) (-)





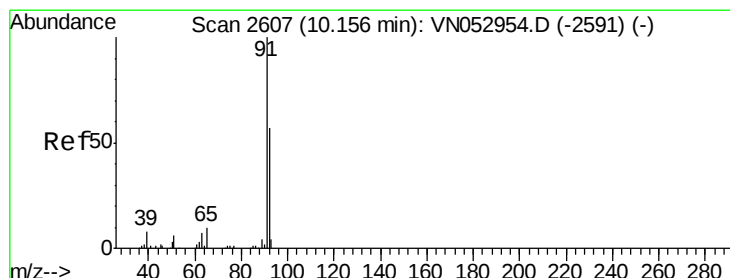
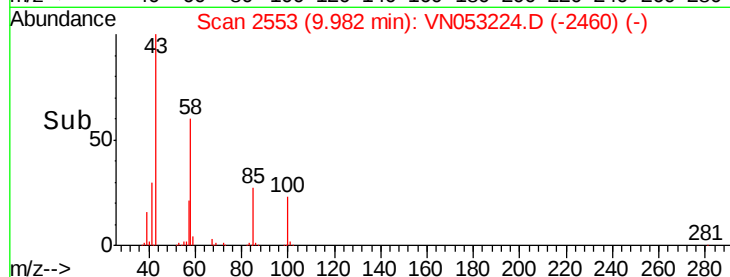
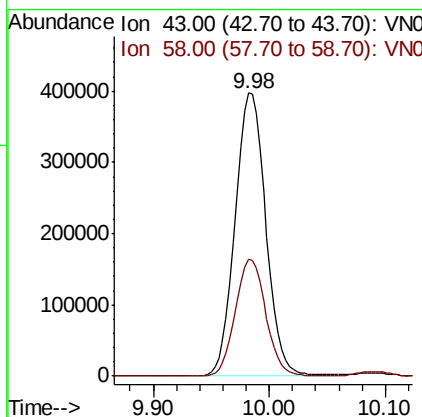
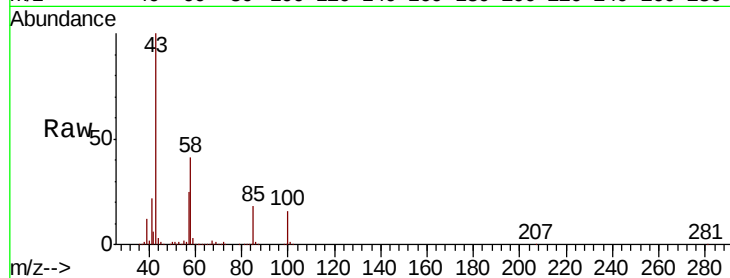
#51
4-Methyl-2-Pentanone
Concen: 110.073 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.0	32.2	48.4

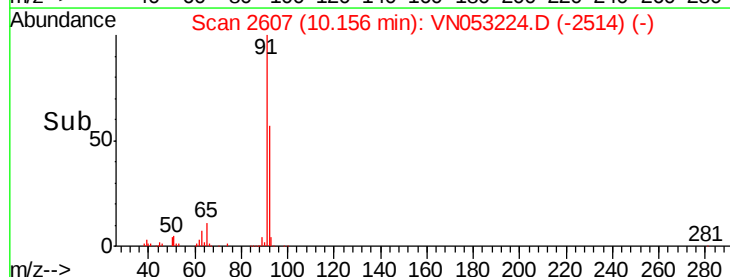
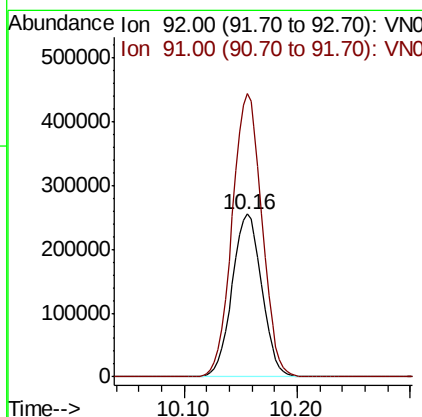
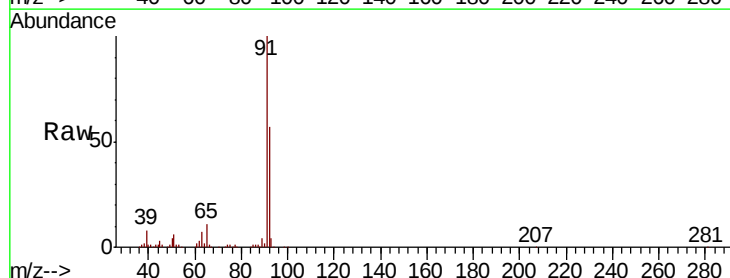
Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:49:16 AM



#52
Toluene
Concen: 20.636 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.7	139.8	209.6





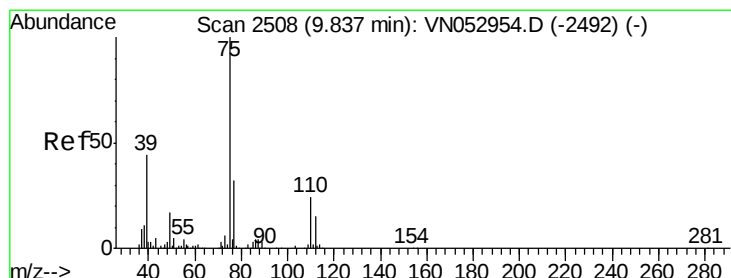
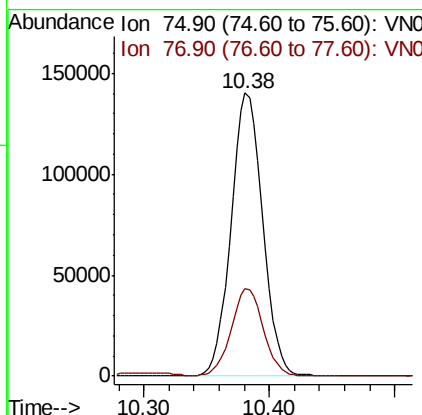
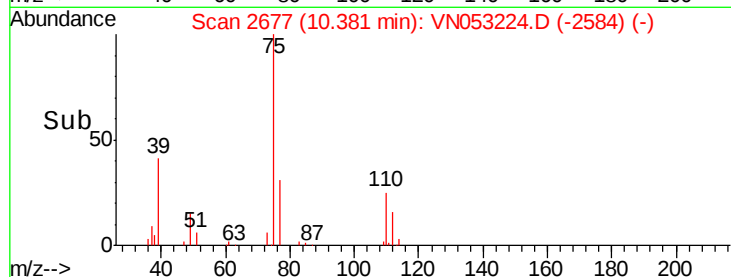
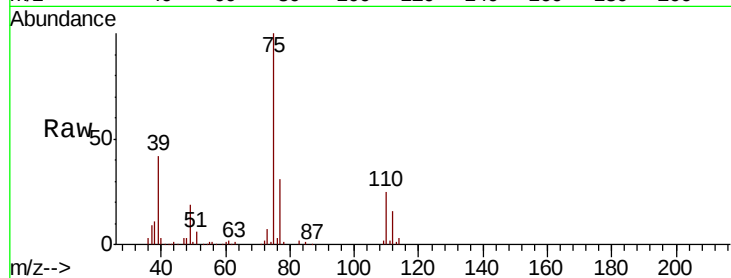
#53
t-1,3-Dichloropropene
Concen: 19.938 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.6	38.4

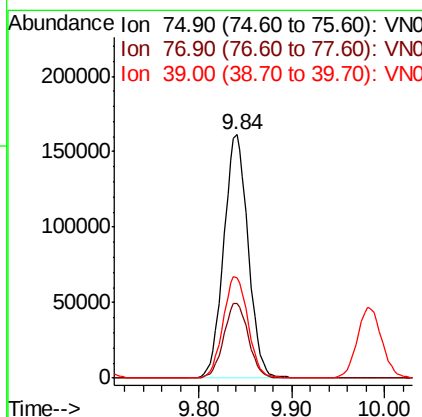
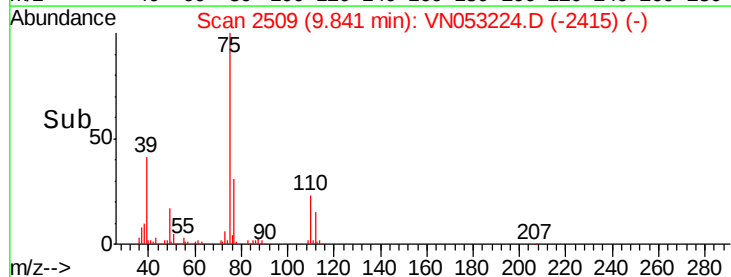
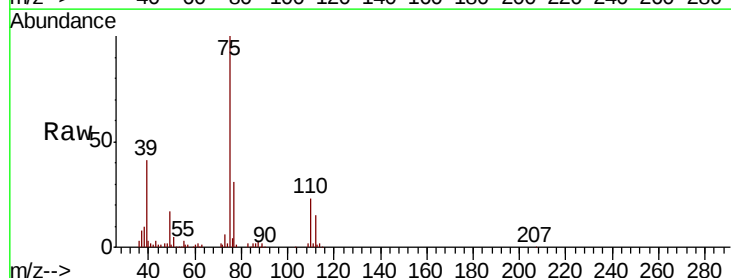
Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:49:16 AM



#54
cis-1,3-Dichloropropene
Concen: 20.827 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.8	38.8
39	41.0	34.8	52.2





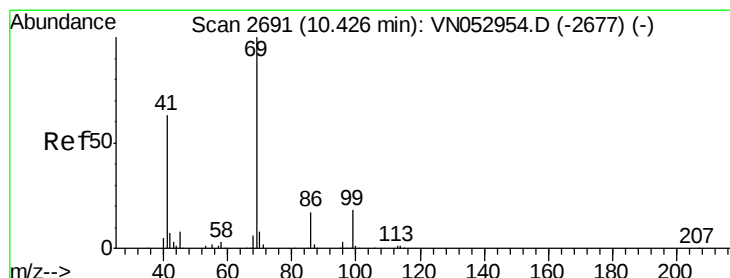
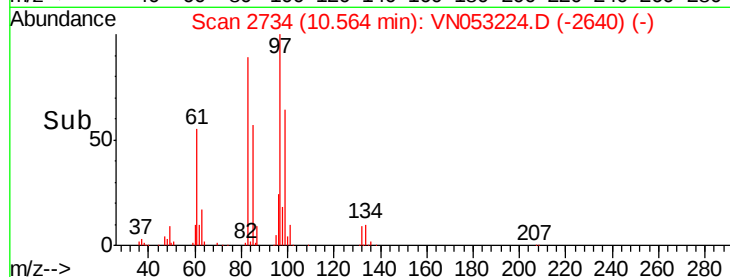
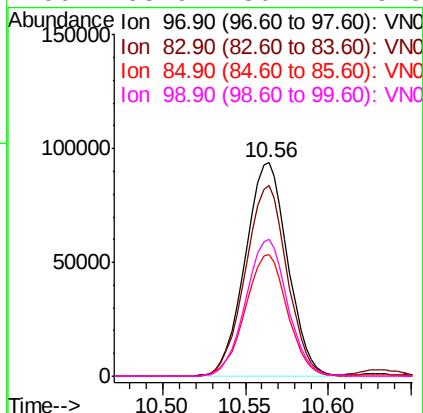
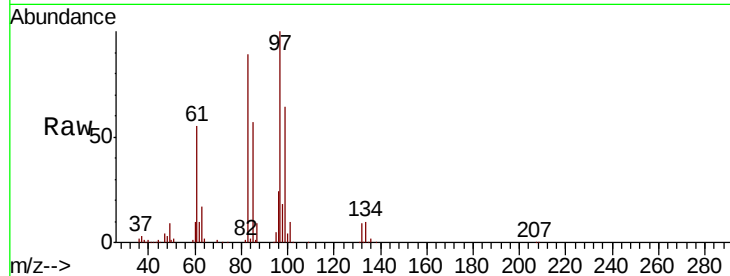
#55
 1,1,2-Trichloroethane
 Concen: 21.332 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053224.D
 Acq: 28 Dec 2018 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1228WBS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.9	106.3
85	57.2	45.4	68.2
99	63.9	50.4	75.6

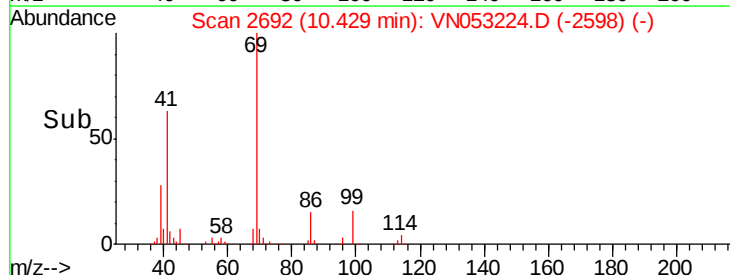
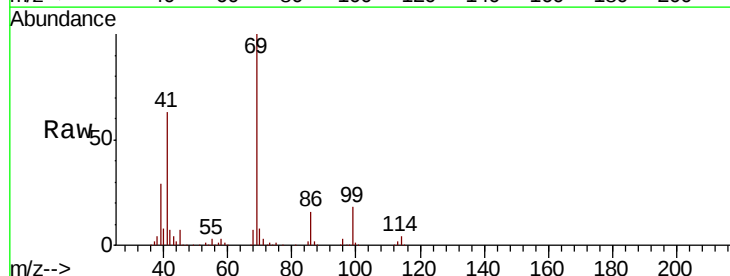
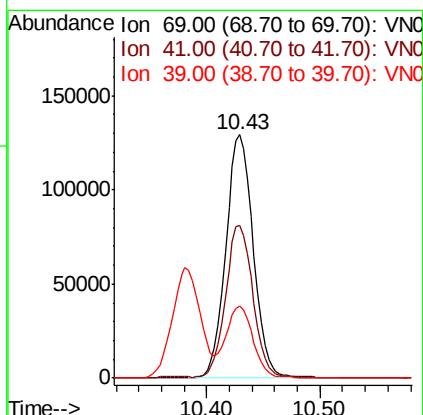
Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 9:49:16 AM



#56
 Ethyl methacrylate
 Concen: 21.026 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053224.D
 Acq: 28 Dec 2018 14:56

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.0	51.7	77.5
39	29.7	24.6	37.0





#57

1,3-Dichloropropane

Concen: 21.365 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1228WBS02

Tot Ion: 76 Resp: 287742

Ion Ratio Lower Upper

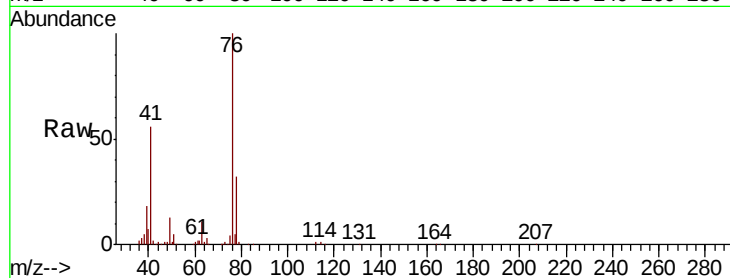
76 100

78 31.9 25.8 38.8

Manual Integrations
APPROVED

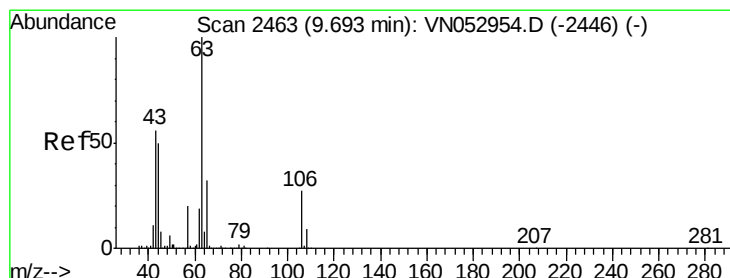
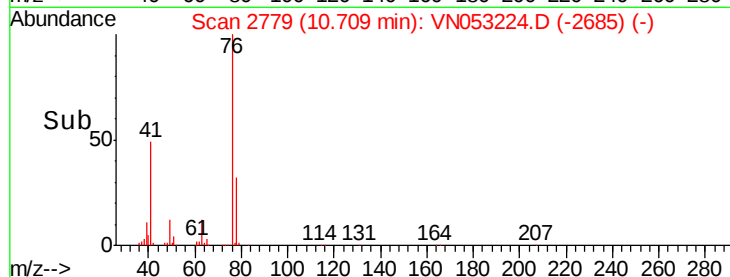
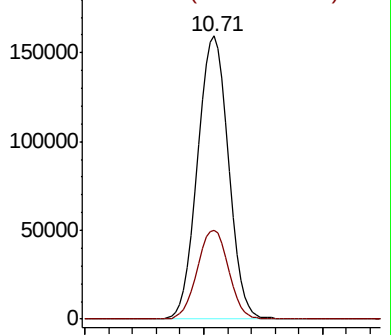
MMDadoda

1/2/2019 9:49:16 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 106.180 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053224.D

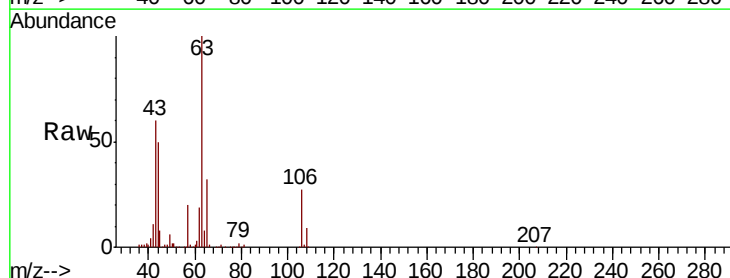
Acq: 28 Dec 2018 14:56

Tgt Ion: 63 Resp: 605964

Ion Ratio Lower Upper

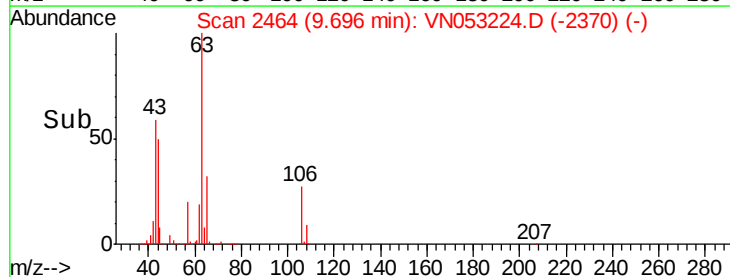
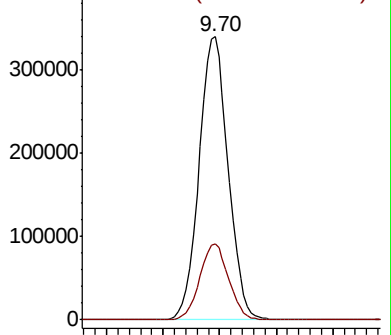
63 100

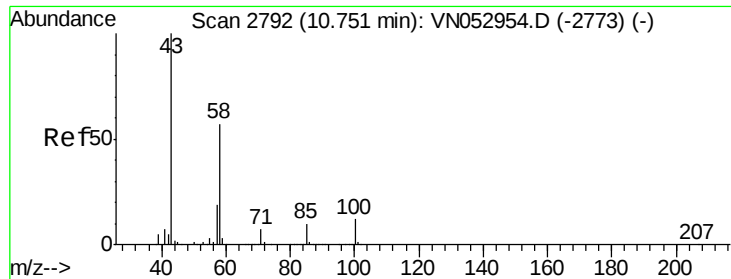
106 26.8 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





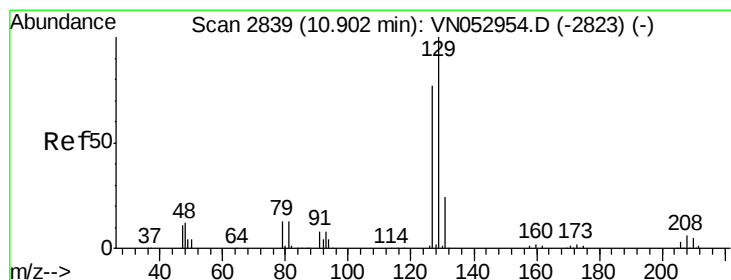
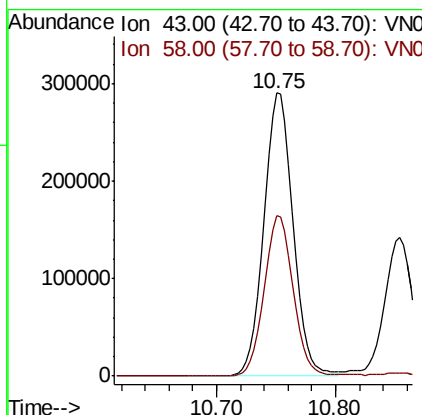
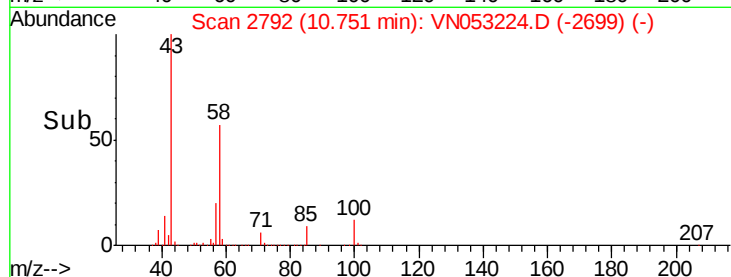
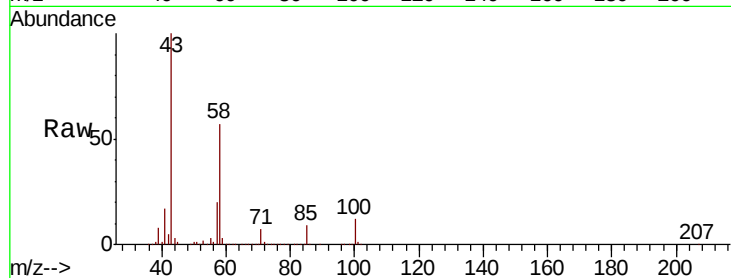
#59
2-Hexanone
Concen: 110.269 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBS02

Tot Ion: 43 Resp: 492494
Ion Ratio Lower Upper
43 100
58 56.3 28.1 84.3

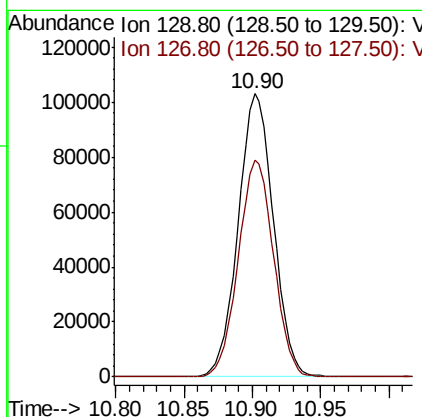
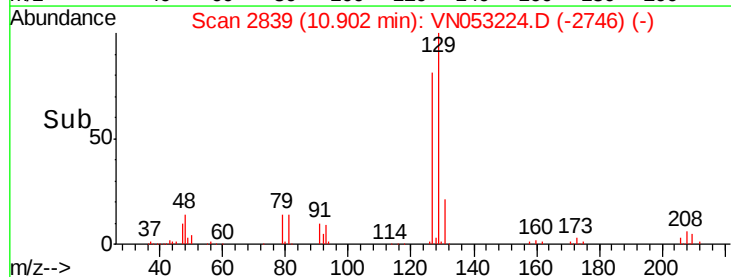
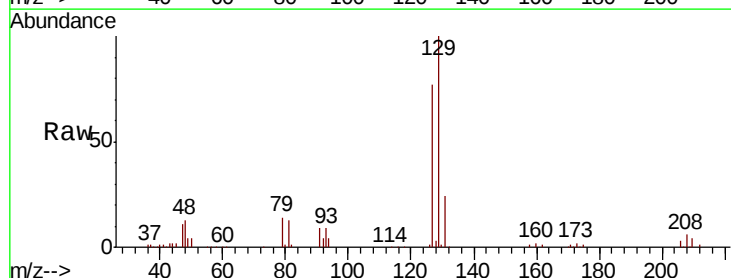
Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:49:16 AM



#60
Dibromochloromethane
Concen: 20.536 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Tgt Ion:129 Resp: 184617
Ion Ratio Lower Upper
129 100
127 76.9 38.6 116.0





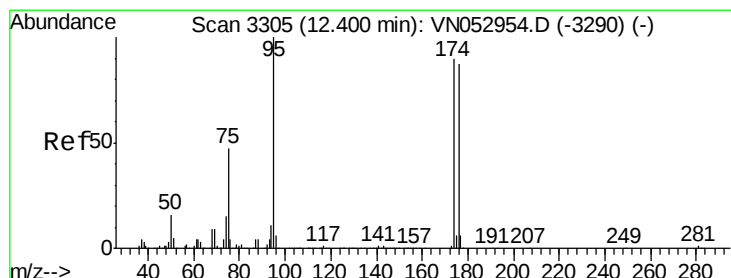
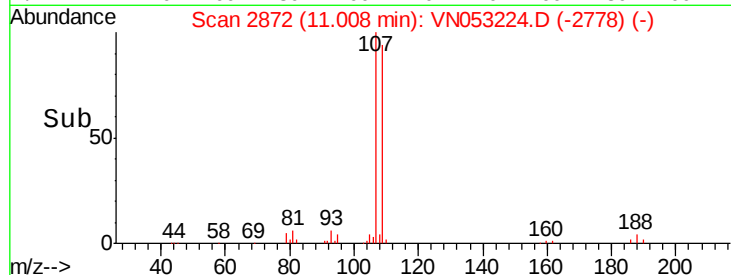
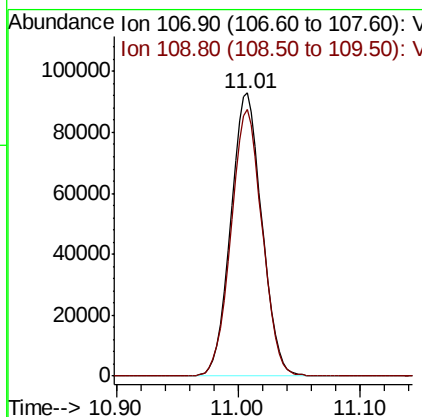
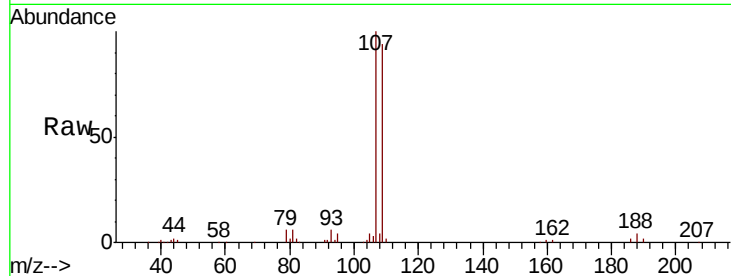
#61
 1,2-Dibromoethane
 Concen: 20.647 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053224.D
 Acq: 28 Dec 2018 14:56

Instrument :
 MSVOA_N
 ClientSampled :
 VN1228WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.0

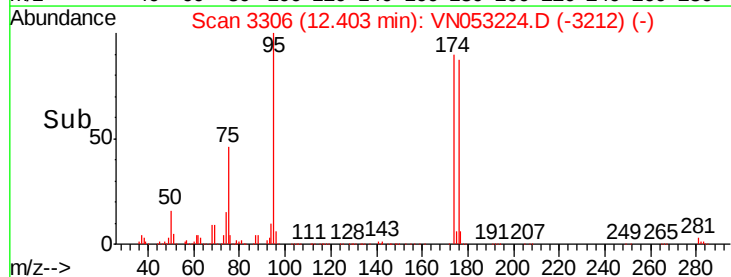
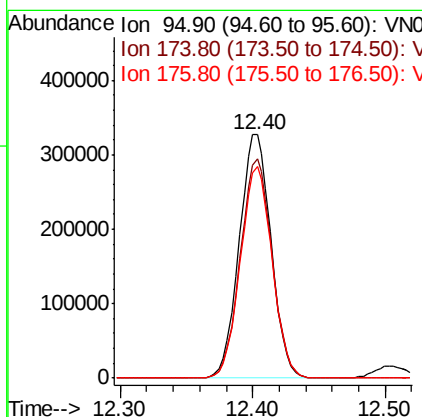
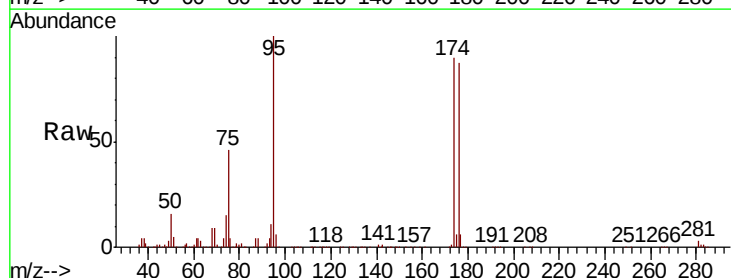
Manual Integrations
 APPROVED

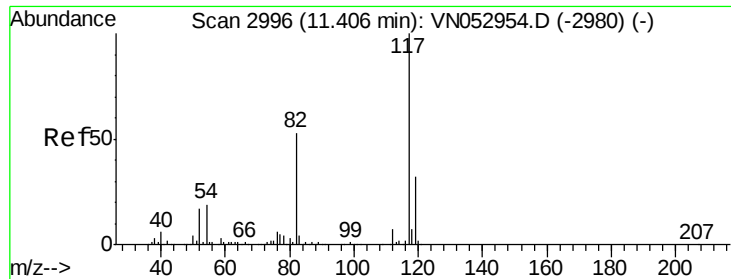
MMDadoda
 1/2/2019 9:49:16 AM



#62
 4-Bromofluorobenzene
 Concen: 20.647 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053224.D
 Acq: 28 Dec 2018 14:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.8	0.0	178.8
176	86.5	0.0	173.8





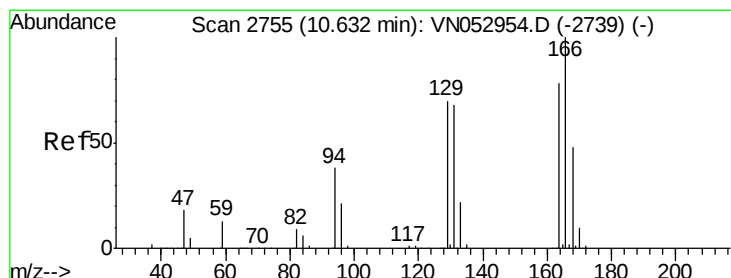
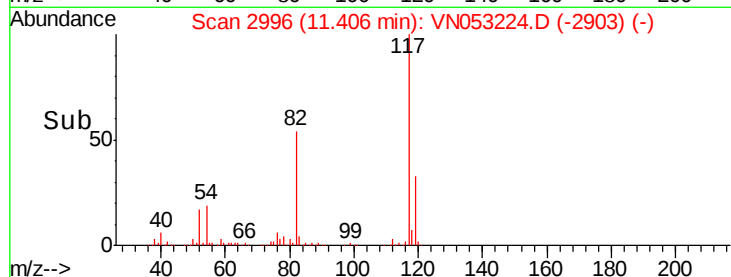
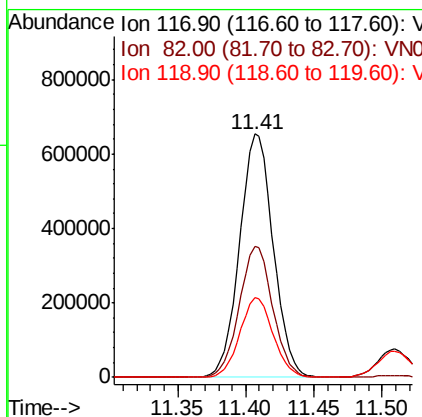
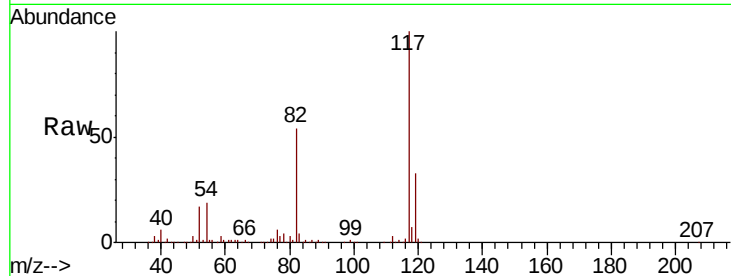
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.8	64.2
119	32.6	25.5	38.3

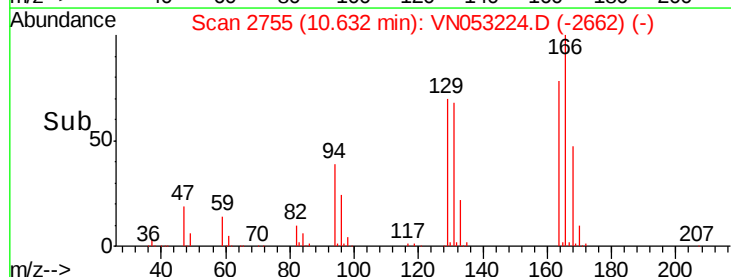
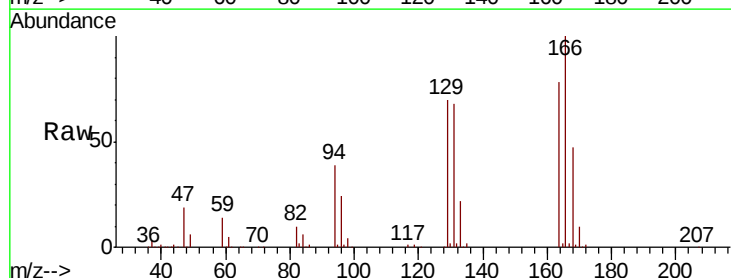
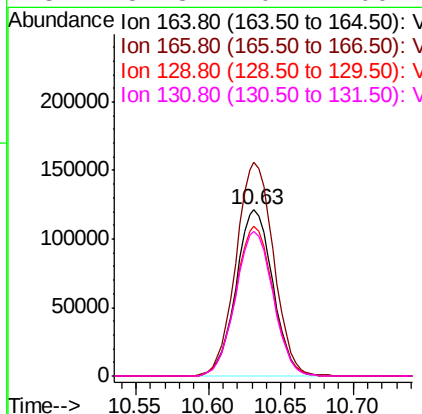
Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:49:16 AM



#64
Tetrachloroethene
Concen: 17.640 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	102.9	154.3
129	90.5	73.7	110.5
131	87.3	70.7	106.1





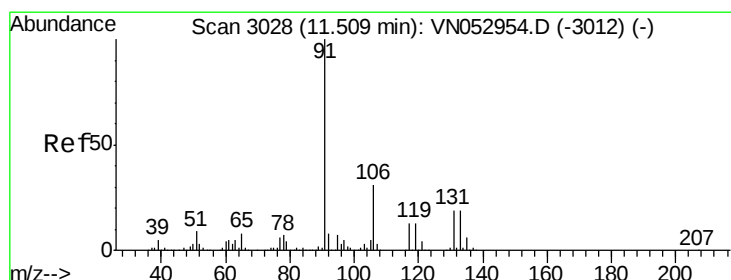
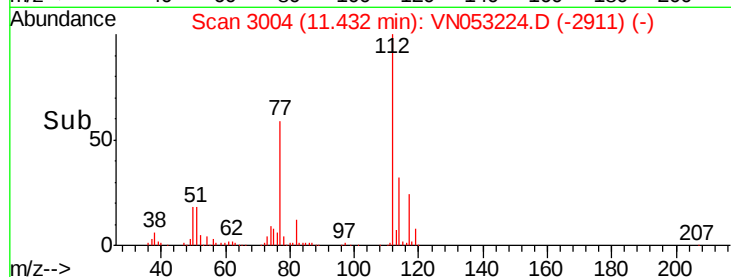
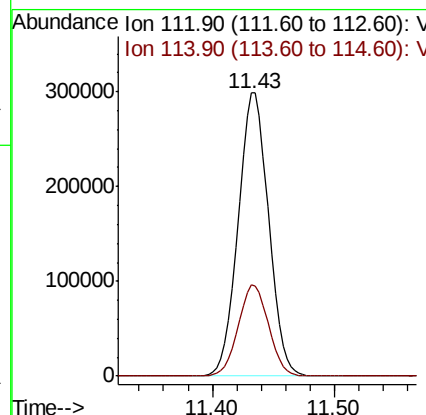
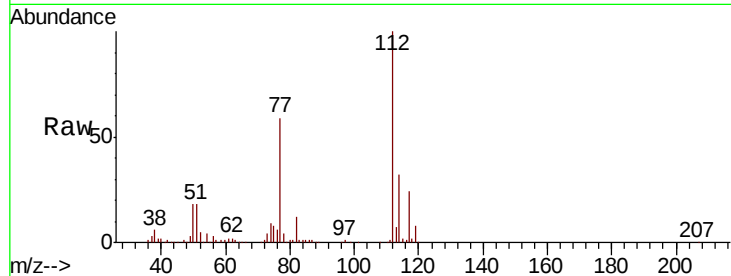
#65
Chlorobenzene
Concen: 20.748 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.5	38.3

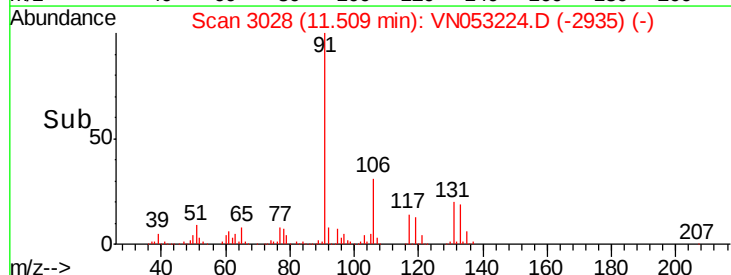
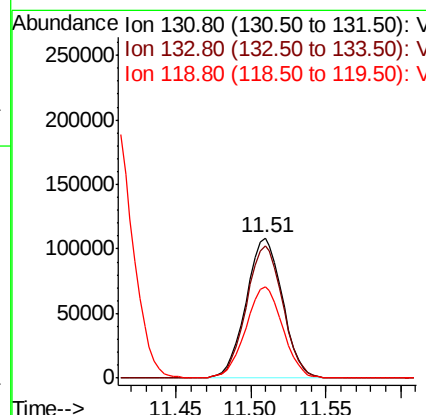
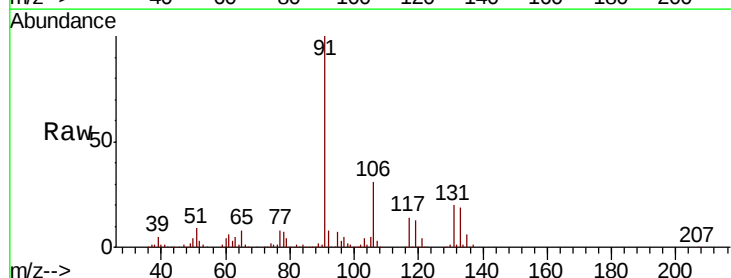
Manual Integrations
APPROVED

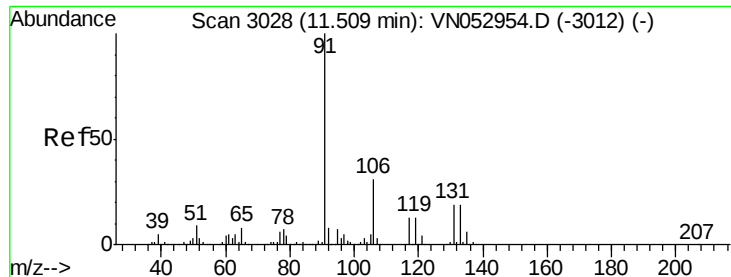
MMDadoda
1/2/2019 9:49:16 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.348 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.6	142.9
119	66.2	33.3	99.8





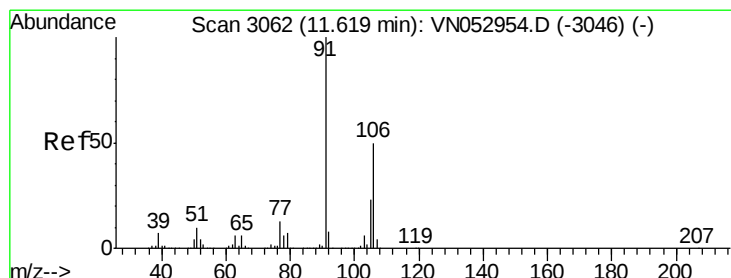
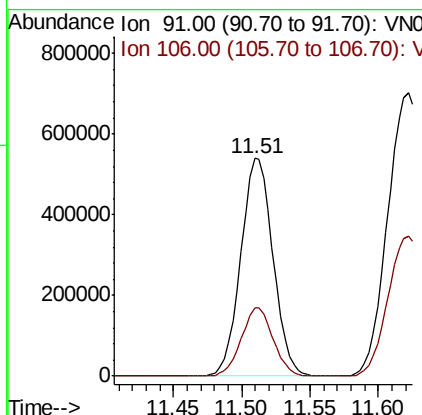
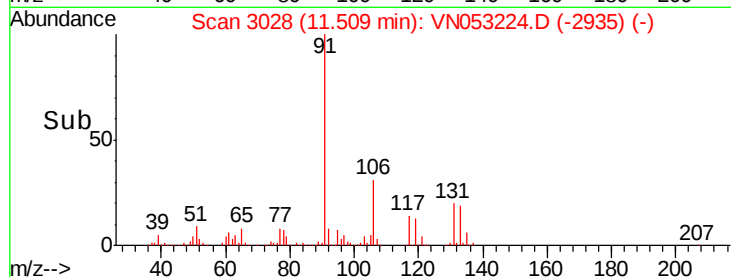
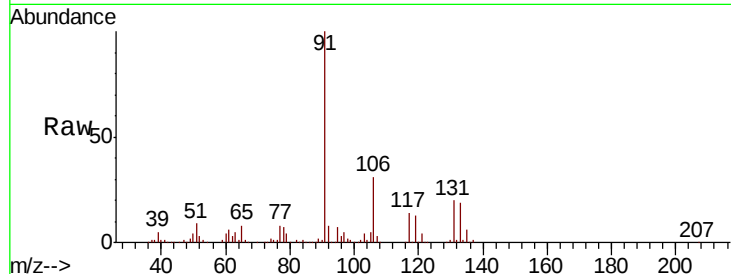
#67
Ethyl Benzene
Concen: 20.689 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.9	37.3

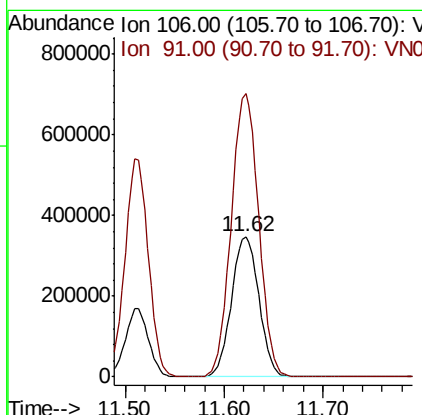
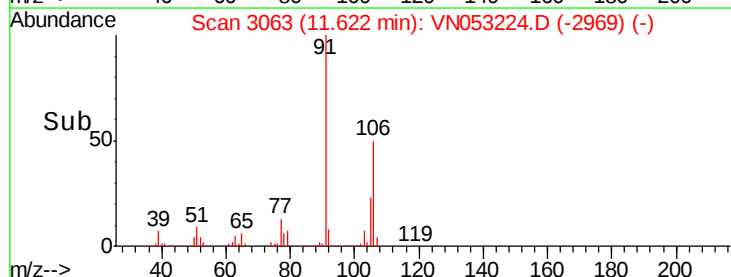
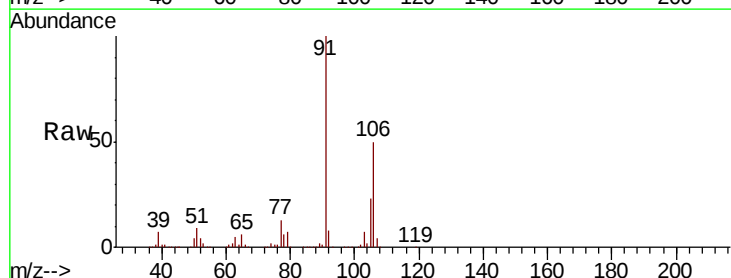
Manual Integrations
APPROVED

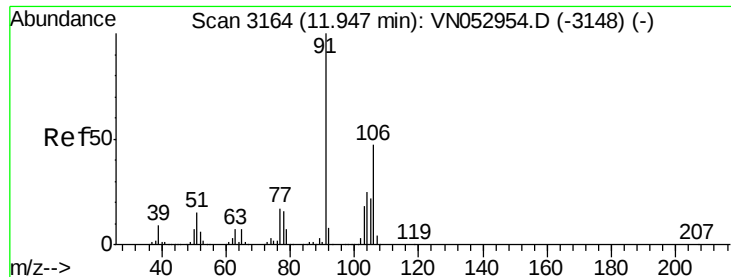
MMDadoda
1/2/2019 9:49:16 AM



#68
m/p-Xylenes
Concen: 41.416 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.0	162.2	243.4





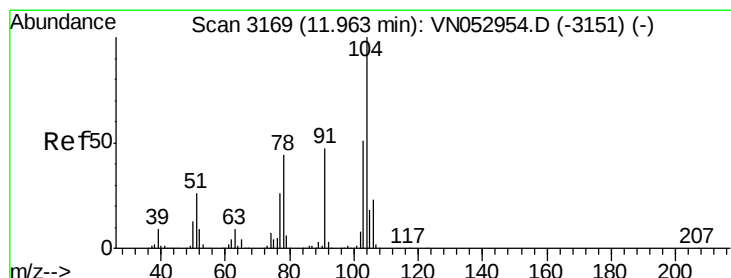
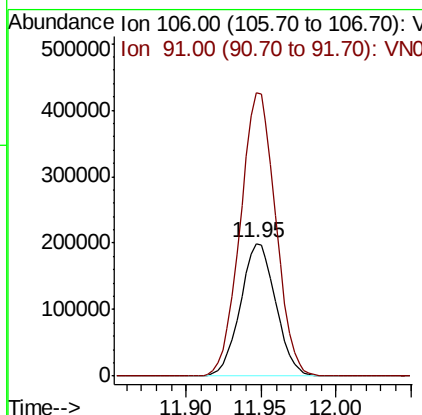
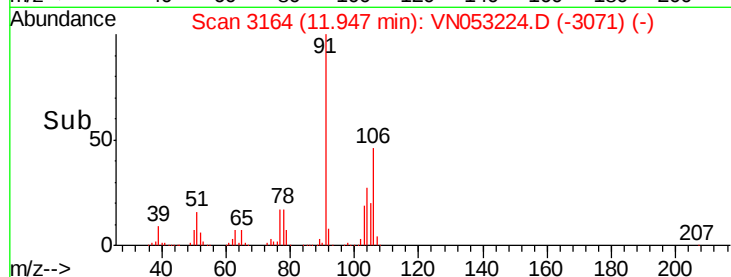
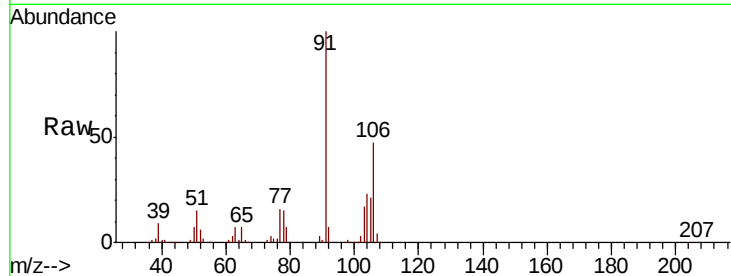
#69
o-Xylene
Concen: 20.999 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Instrument :
MSVOA_N
ClientSampled :
VN1228WBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.4	106.6	319.8

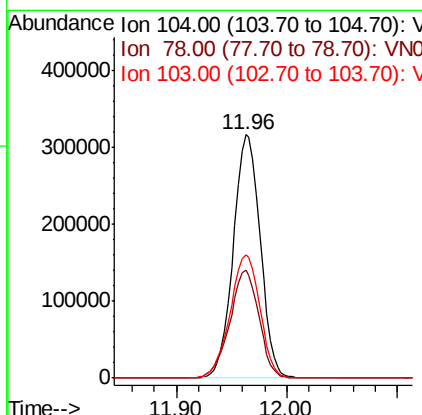
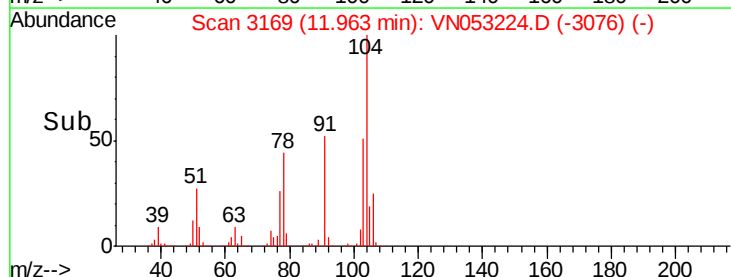
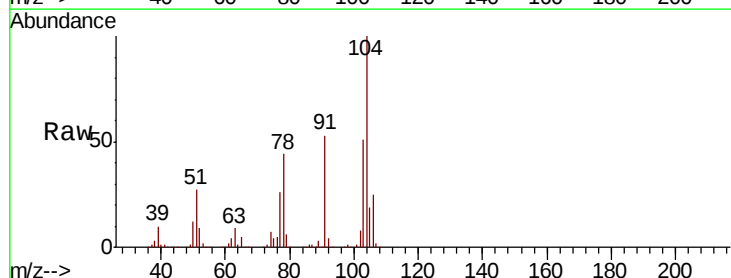
Manual Integrations
APPROVED

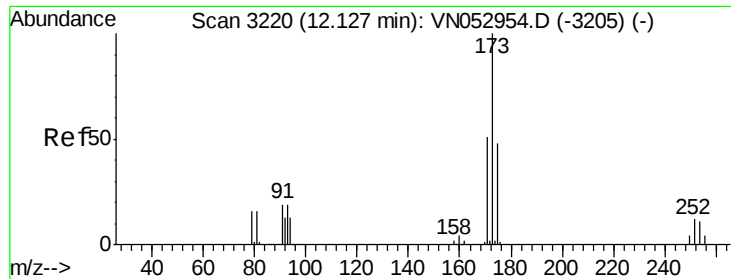
MMDadoda
1/2/2019 9:49:16 AM



#70
Styrene
Concen: 21.100 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.8	38.9	58.3
103	56.0	44.3	66.5





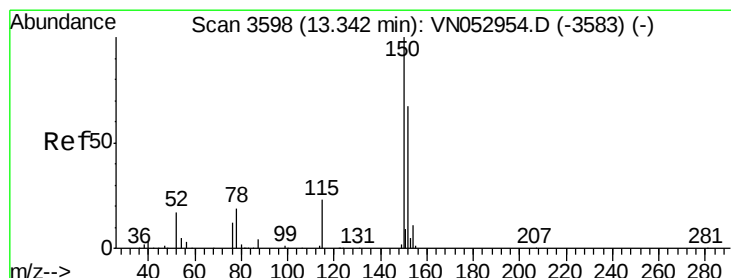
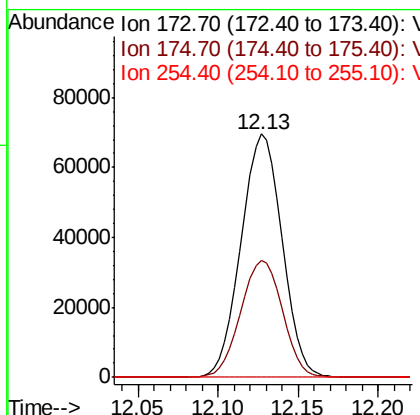
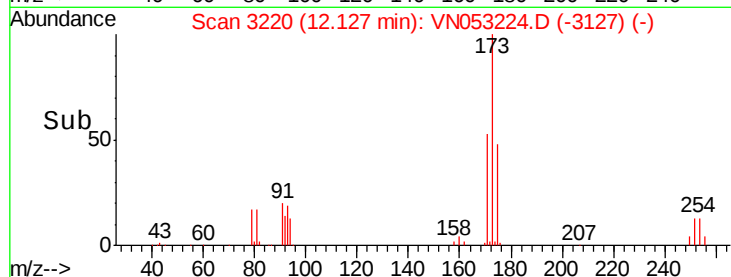
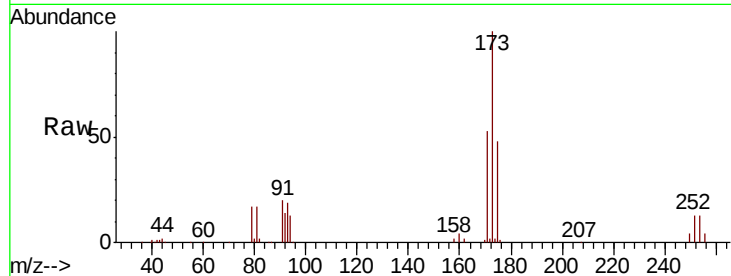
#71
Bromoform
Concen: 19.548 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.9
254	0.0	0.1	0.1#

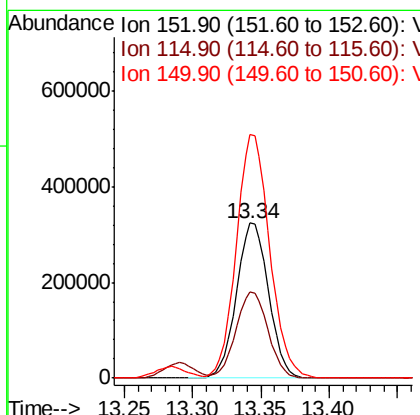
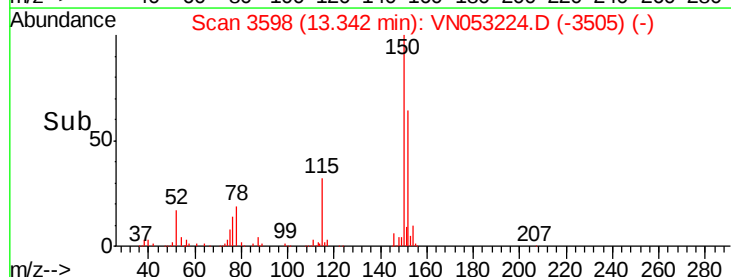
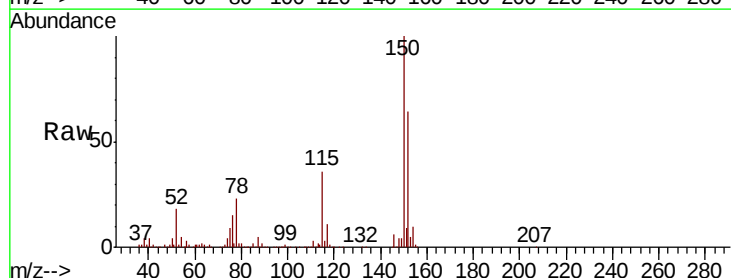
Manual Integrations
APPROVED

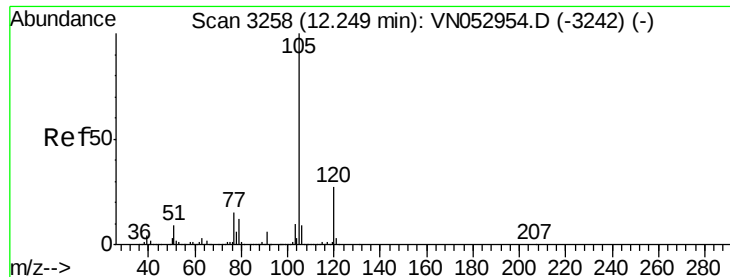
MMDadoda
1/2/2019 9:49:16 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.3	85.0
150	163.7	0.0	347.8





#73

Isopropylbenzene

Concen: 21.121 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1228WBS02

Tot Ion: 105 Resp: 871721

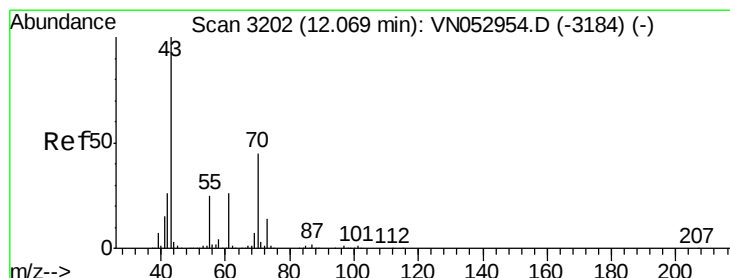
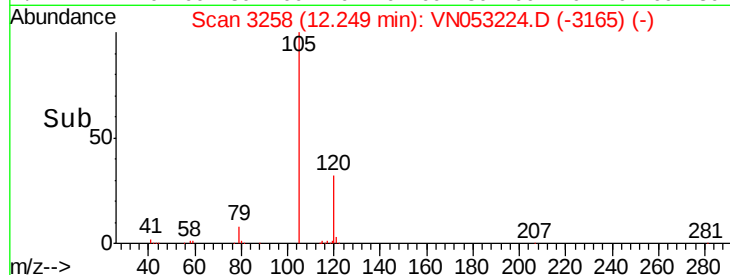
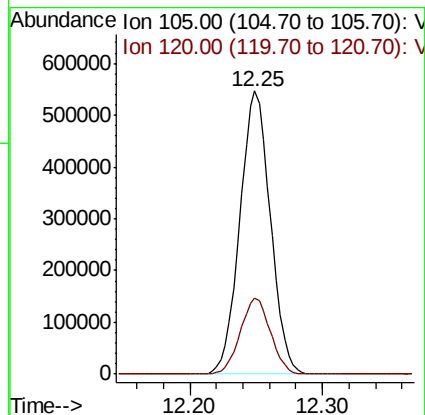
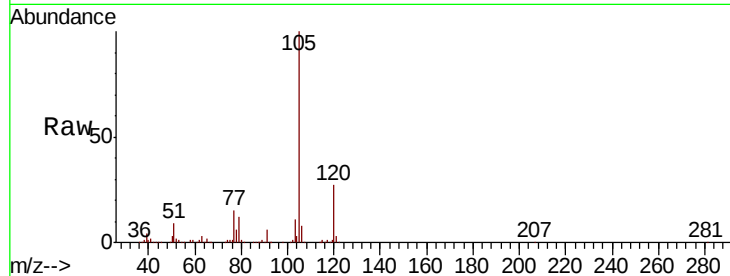
Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9

Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:49:16 AM



#74

N-ethyl acetate

Concen: 20.432 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Tgt Ion: 43 Resp: 234122

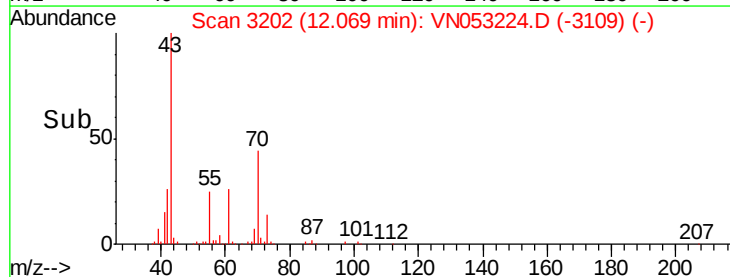
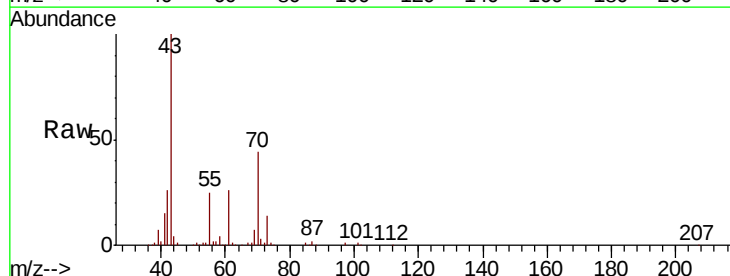
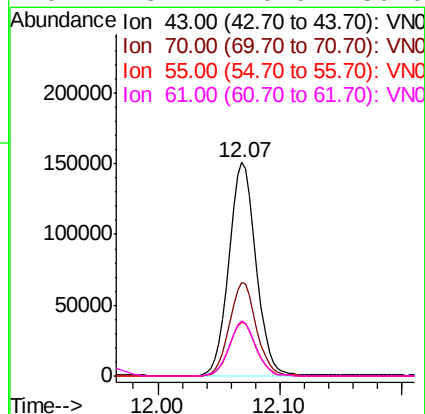
Ion Ratio Lower Upper

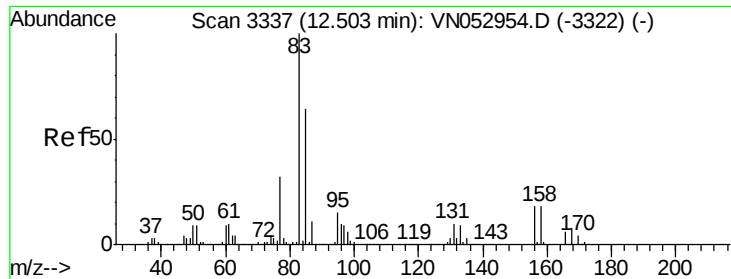
43 100

70 43.7 34.2 51.4

55 25.1 20.3 30.5

61 25.4 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.765 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Instrument :

MSVOA_N

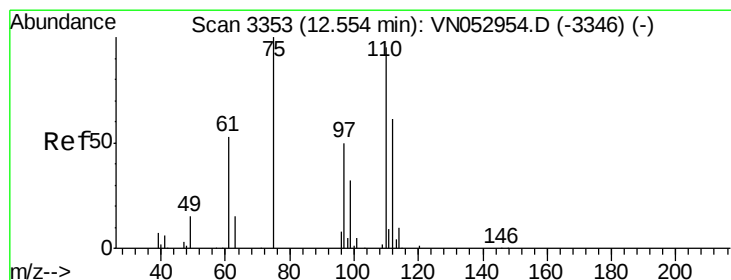
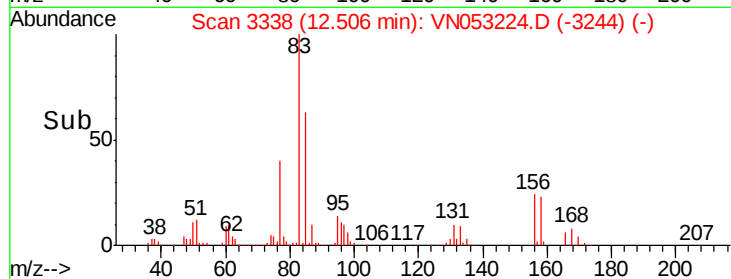
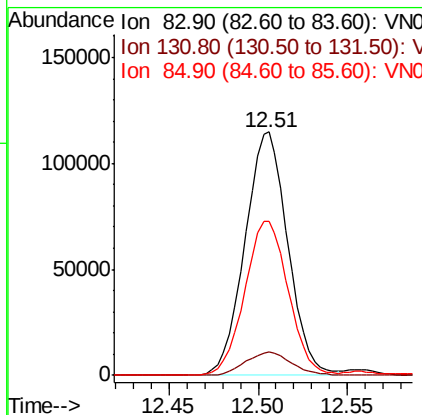
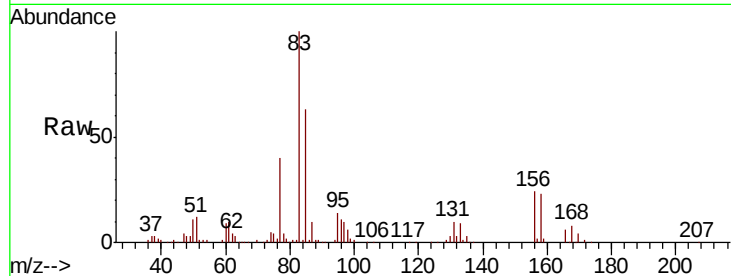
ClientSampleId :

VN1228WBS02

Tot Ion:	83	Resp:	192427
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	64.5	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:49:16 AM



#76

1,2,3-Trichloropropane

Concen: 18.660 ug/l m

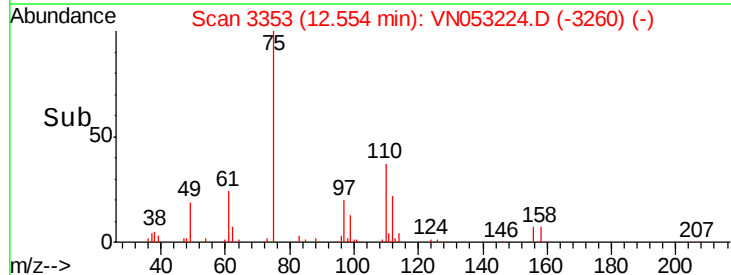
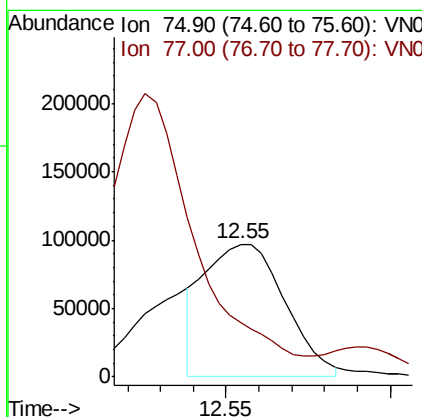
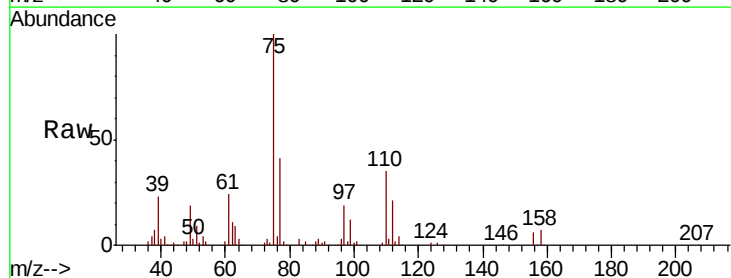
RT: 12.55 min Scan# 3353

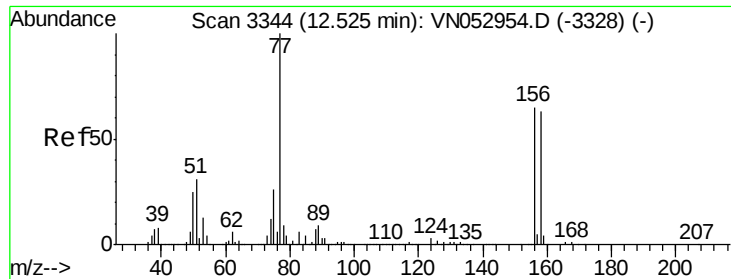
Delta R.T. -0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Tgt Ion:	75	Resp:	165703
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.728 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Instrument :

MSVOA_N

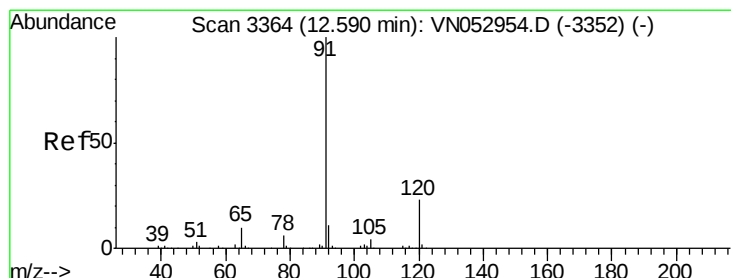
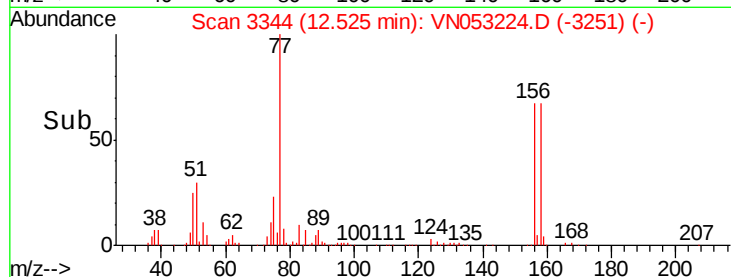
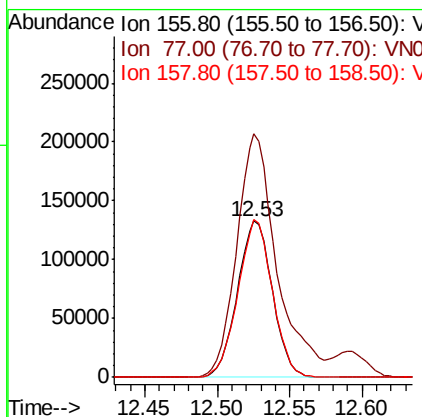
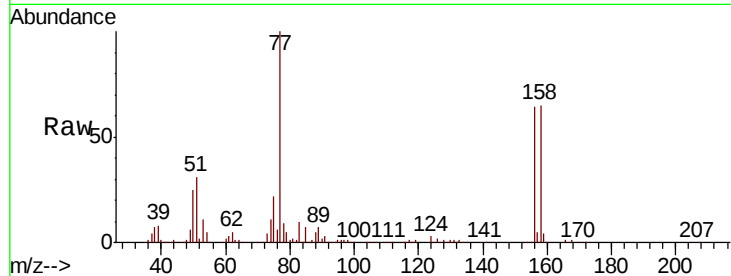
ClientSampleId :

VN1228WBS02

Tot Ion:	156	Resp:	222378
Ion Ratio	Lower	Upper	
156	100		
77	179.2	91.3	273.8
158	99.3	49.0	147.2

Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:49:16 AM



#78

n-propylbenzene

Concen: 20.971 ug/l

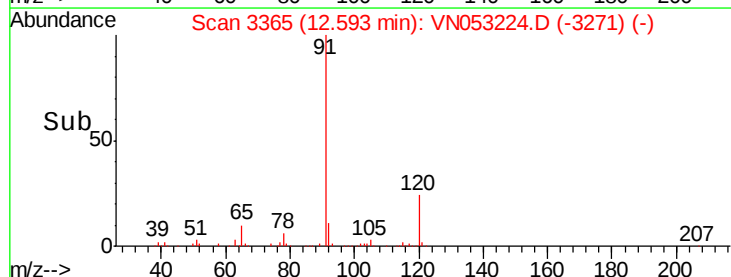
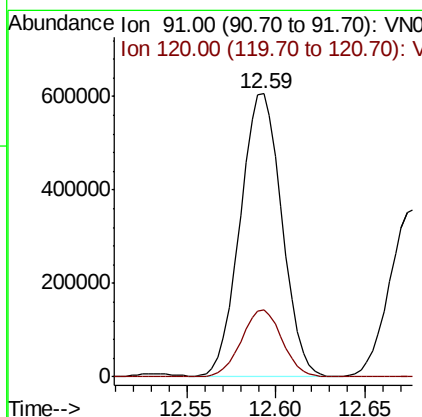
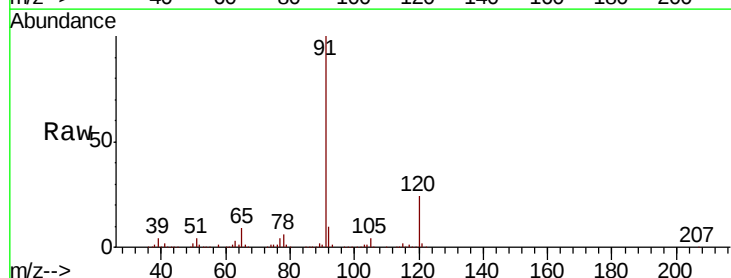
RT: 12.59 min Scan# 3365

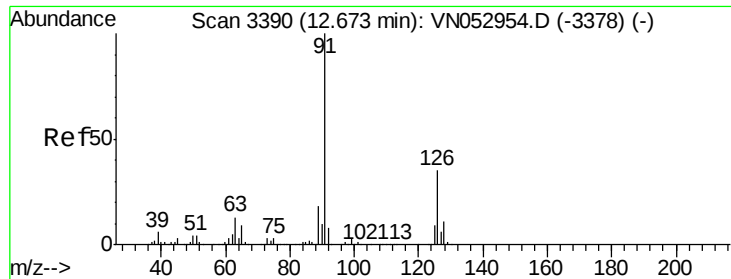
Delta R.T. 0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Tgt Ion:	91	Resp:	985755
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.5	34.5





#79

2-Chlorotoluene

Concen: 20.146 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1228WBS02

Tot Ion: 91 Resp: 586976

Ion Ratio Lower Upper

91 100

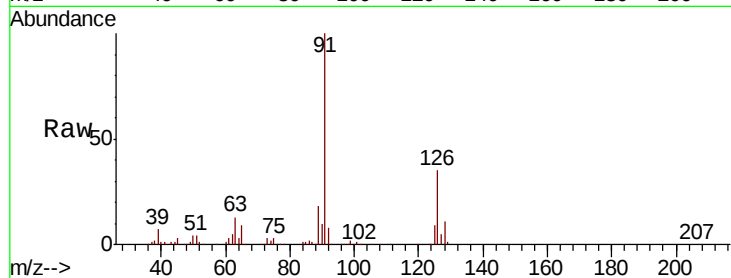
126 35.4 17.4 52.3

Manual Integrations

APPROVED

MMDadoda

1/2/2019 9:49:16 AM



Abundance Ion 91.00 (90.70 to 91.70): VN053224.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN053224.D (-3390) (-)

600000

500000

400000

300000

200000

100000

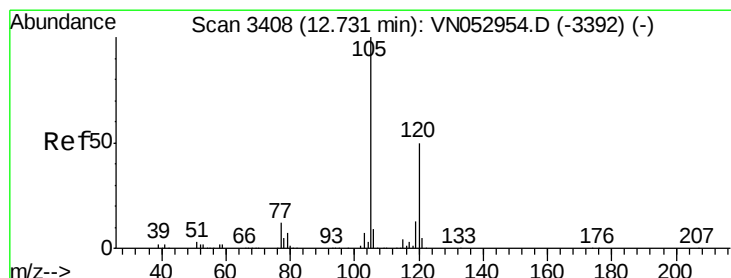
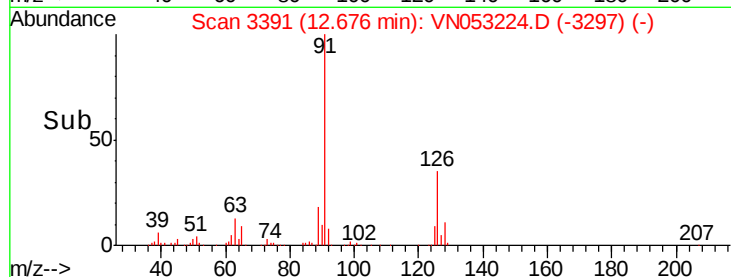
0

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.729 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053224.D

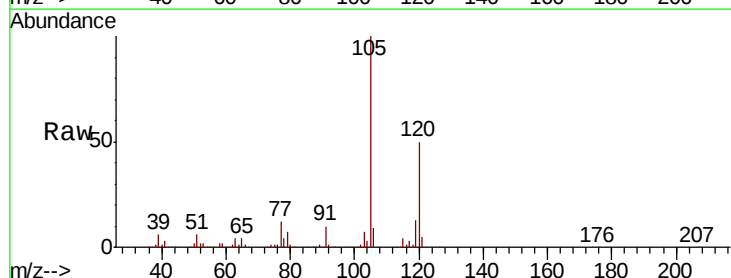
Acq: 28 Dec 2018 14:56

Tgt Ion:105 Resp: 697339

Ion Ratio Lower Upper

105 100

120 49.6 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN053224.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN053224.D (-3408) (-)

500000

400000

300000

200000

100000

0

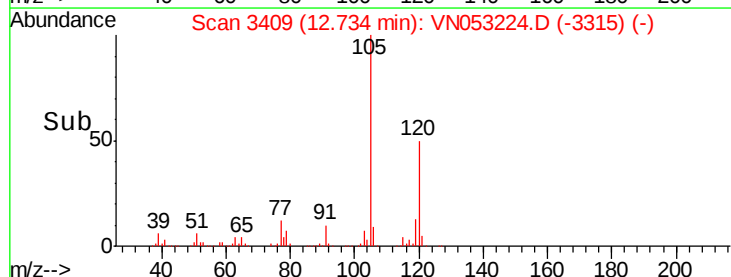
12.65

12.70

12.75

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.541 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Instrument :

MSVOA_N

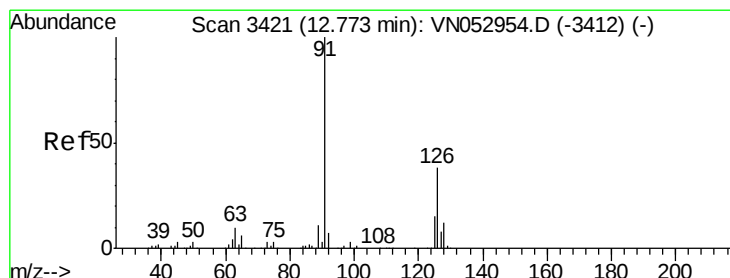
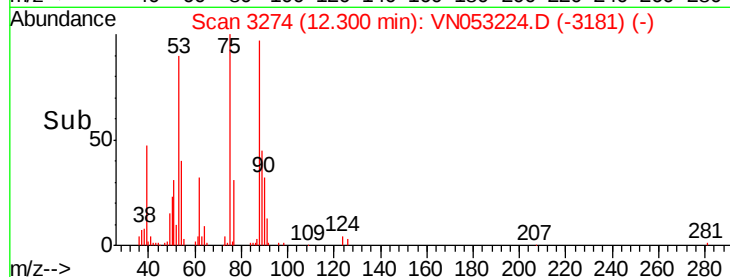
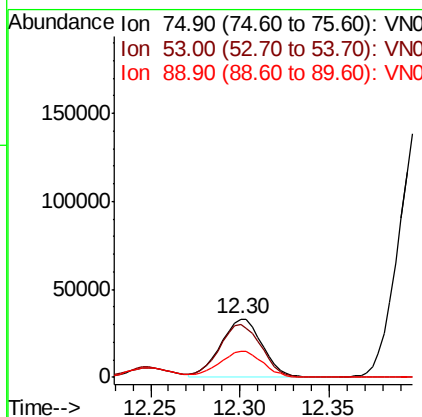
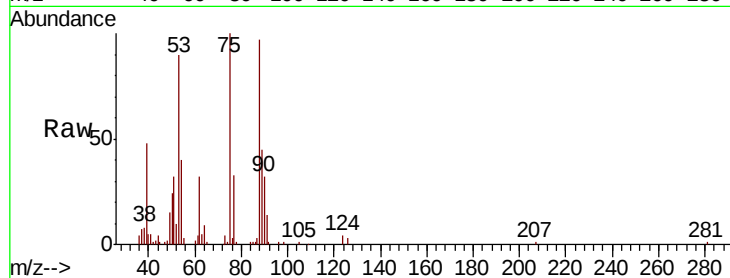
ClientSampleId :

VN1228WBS02

Tot Ion:	75	Resp:	53837
Ion	Ratio	Lower	Upper
75	100		
53	92.7	74.7	112.1
89	46.9	36.1	54.1

Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:49:16 AM



#82

4-Chlorotoluene

Concen: 20.932 ug/l

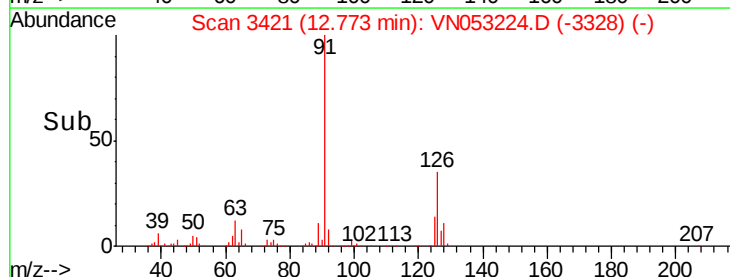
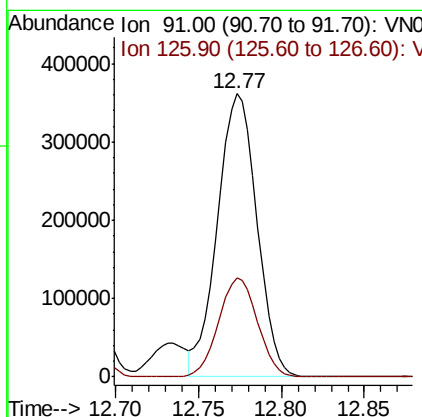
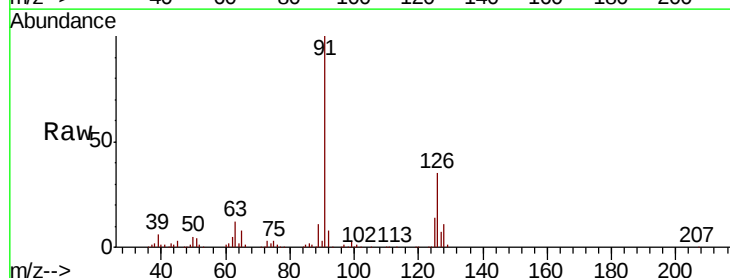
RT: 12.77 min Scan# 3421

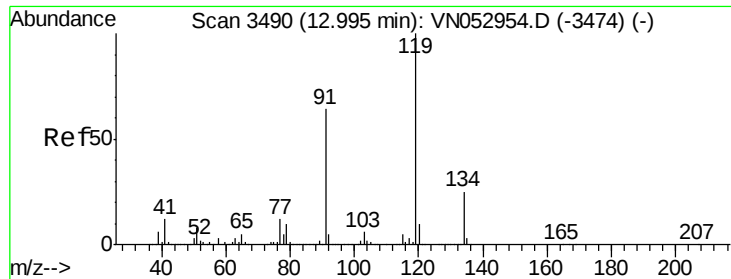
Delta R.T. -0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Tgt Ion:	91	Resp:	597029
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.3	51.7





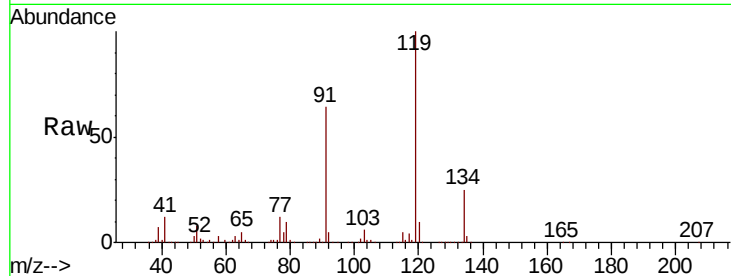
#83
tert-Butylbenzene
Concen: 20.796 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBS02

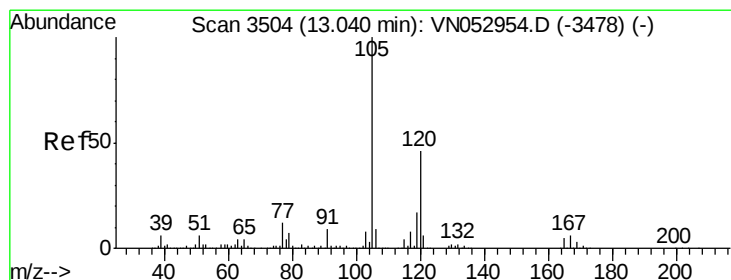
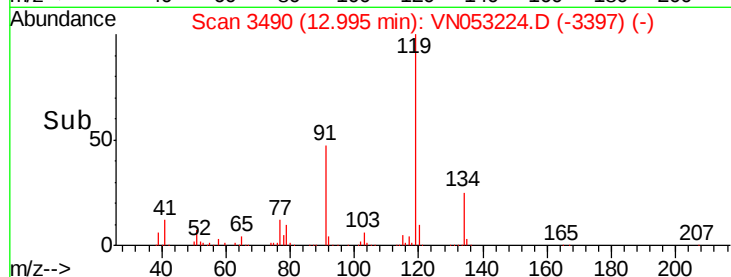
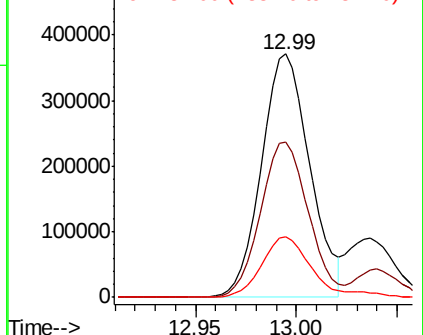
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	31.9	95.5
134	26.1	12.8	38.4

Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:49:16 AM

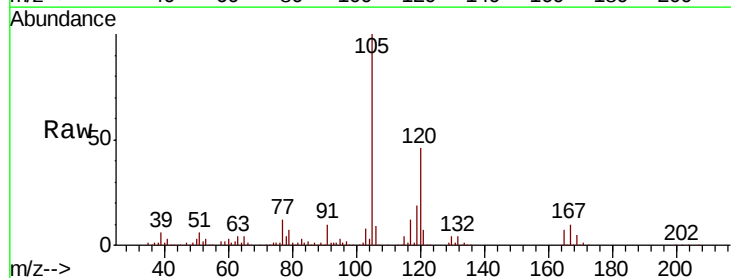


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

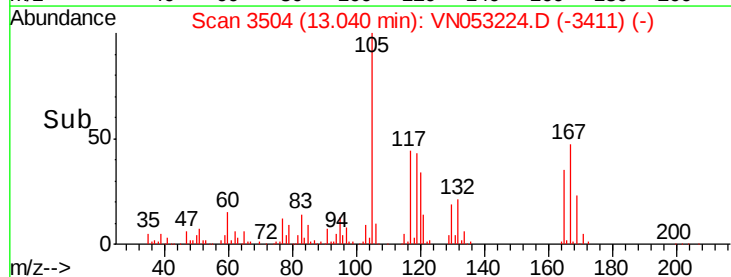
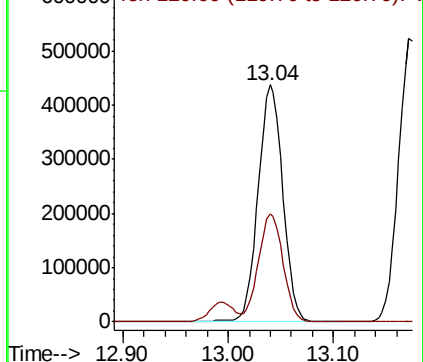


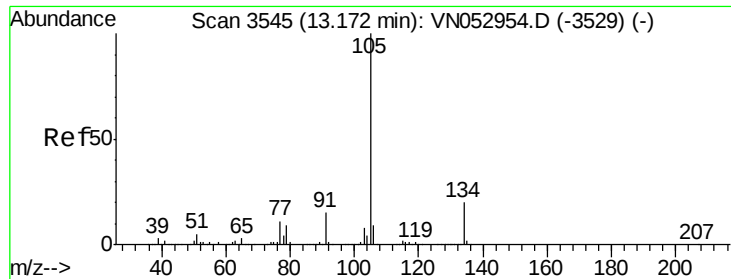
#84
1,2,4-Trimethylbenzene
Concen: 21.107 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.9	68.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.420 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1228WBS02

Tot Ion:105 Resp: 821773

Ion Ratio Lower Upper

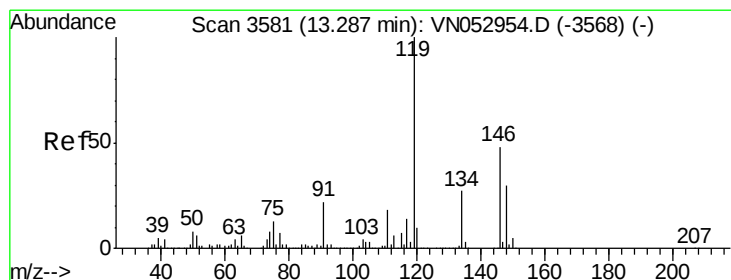
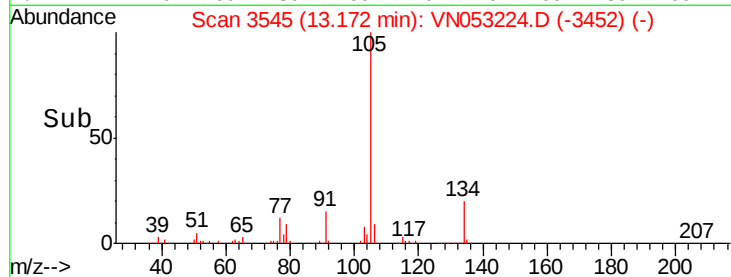
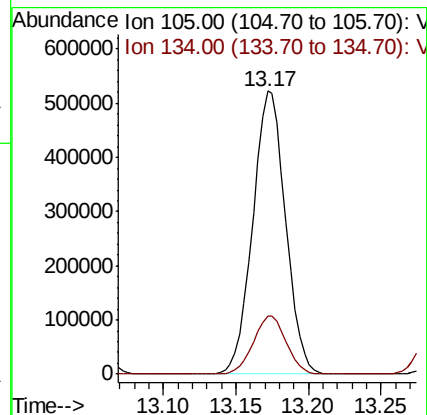
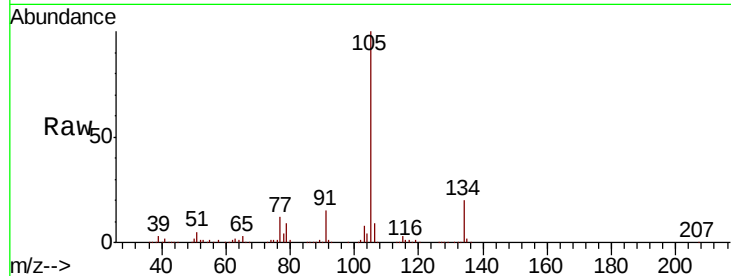
105 100

134 20.6 10.1 30.3

Manual Integrations
APPROVED

MMDadoda

1/2/2019 9:49:16 AM



#86

p-Isopropyltoluene

Concen: 20.245 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

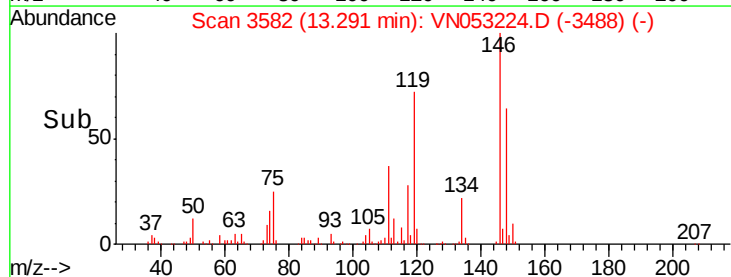
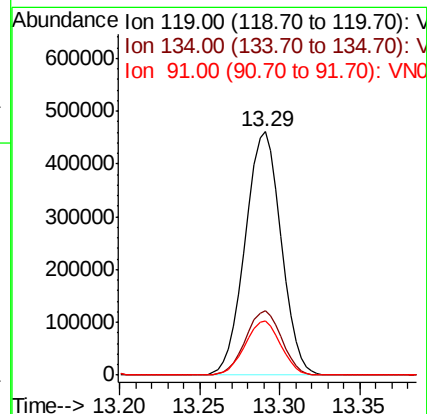
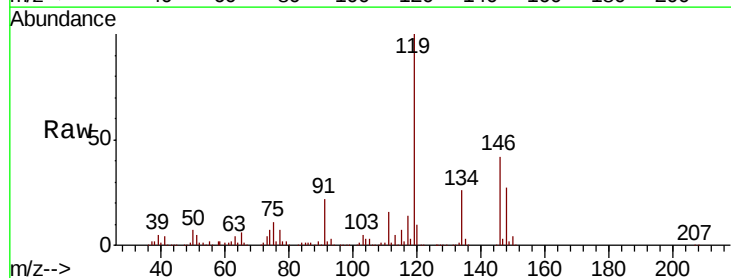
Tgt Ion:119 Resp: 703983

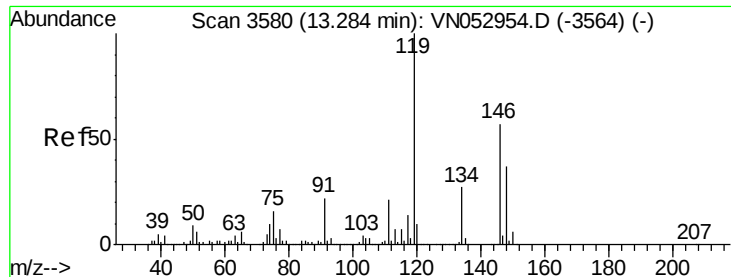
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 22.2 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 20.468 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Instrument :

MSVOA_N

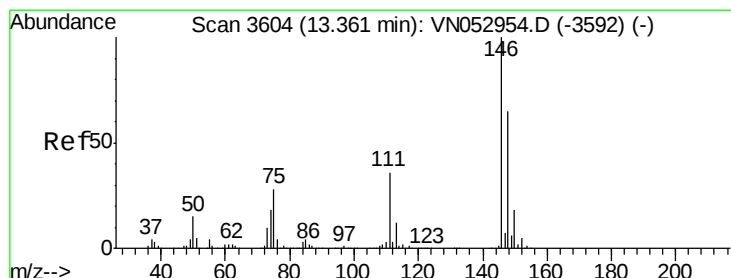
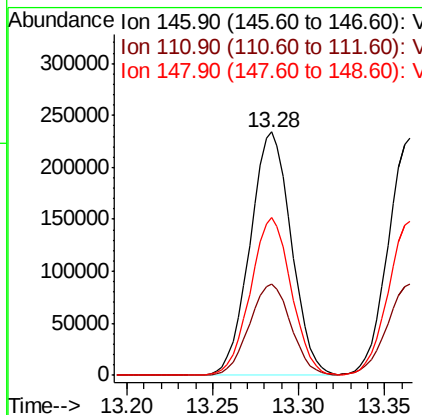
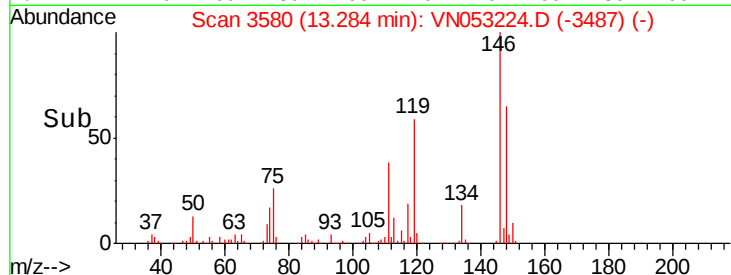
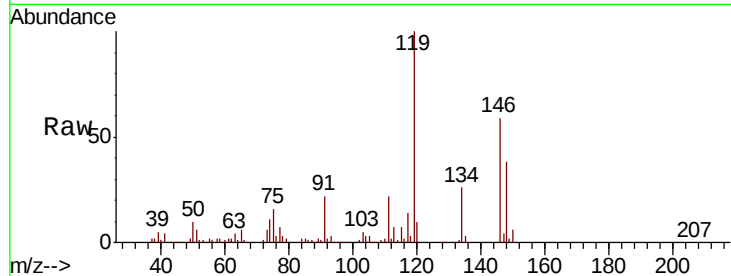
ClientSampleId :

VN1228WBS02

Tot Ion:	146	Resp:	388648
Ion Ratio	Lower	Upper	
146	100		
111	37.7	19.1	57.1
148	64.0	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:49:16 AM



#88

1,4-Dichlorobenzene

Concen: 19.780 ug/l

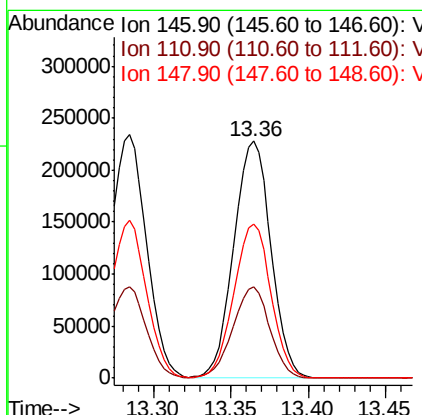
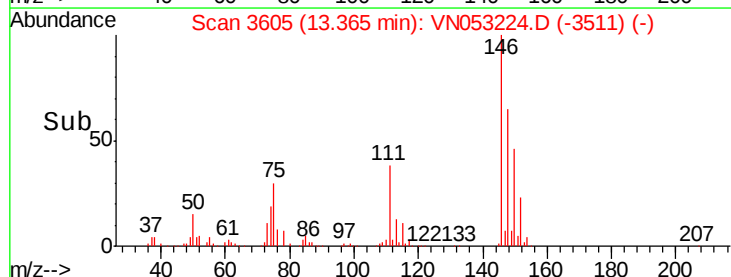
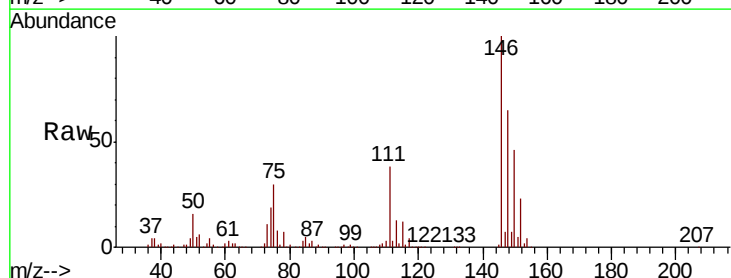
RT: 13.36 min Scan# 3605

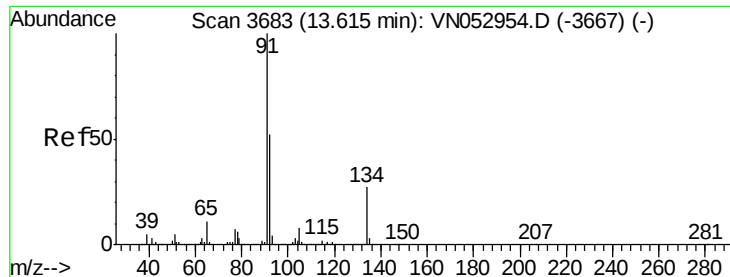
Delta R.T. 0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Tgt Ion:	146	Resp:	380360
Ion Ratio	Lower	Upper	
146	100		
111	38.3	18.6	55.8
148	65.0	32.1	96.5





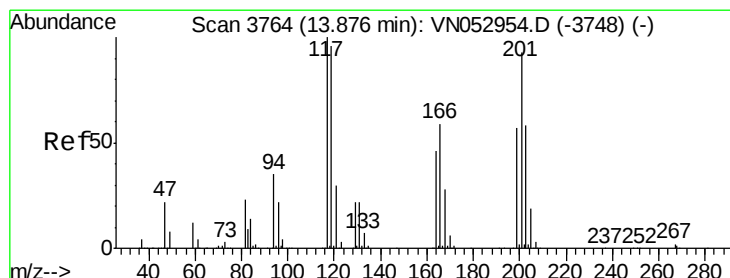
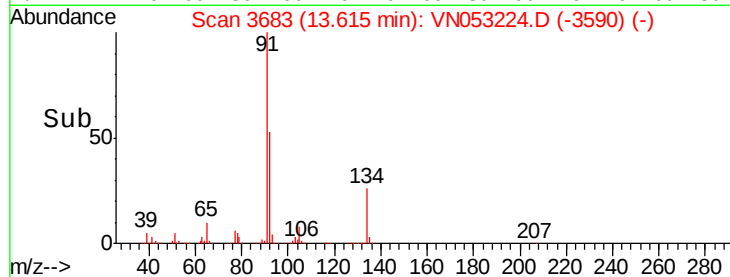
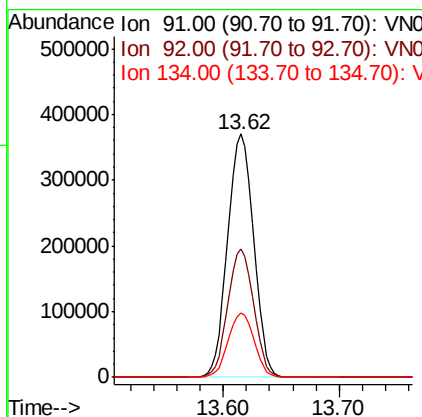
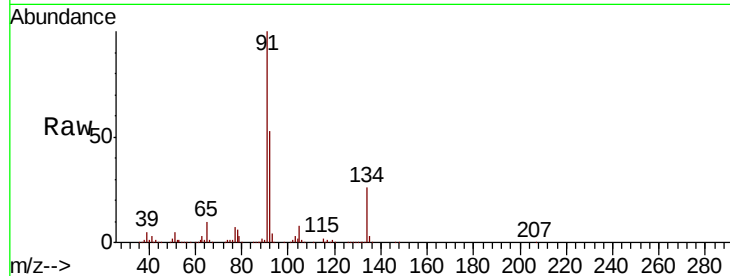
#89
n-Butylbenzene
Concen: 19.190 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Instrument :
MSVOA_N
ClientSampled :
VN1228WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.3	78.9
134	26.3	13.3	39.8

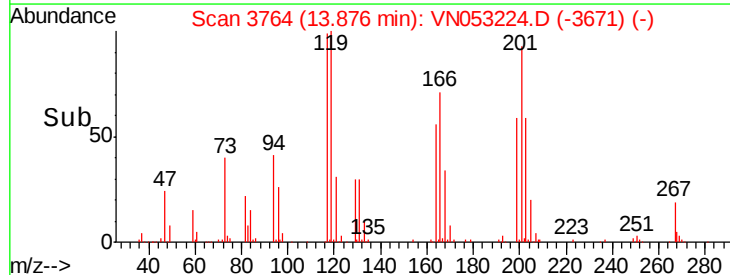
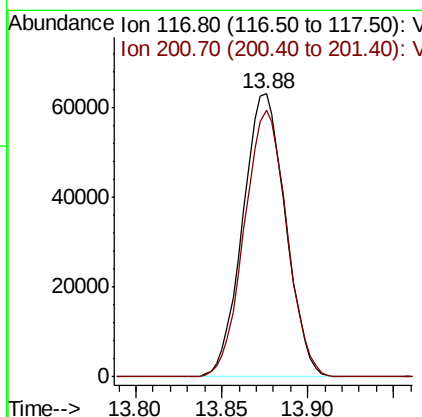
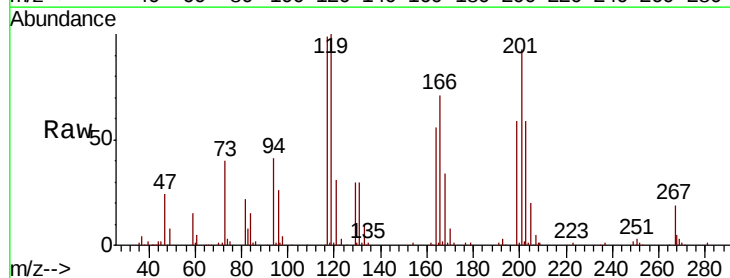
Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:49:16 AM



#90
Hexachloroethane
Concen: 20.335 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053224.D
Acq: 28 Dec 2018 14:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.6	45.7	137.1





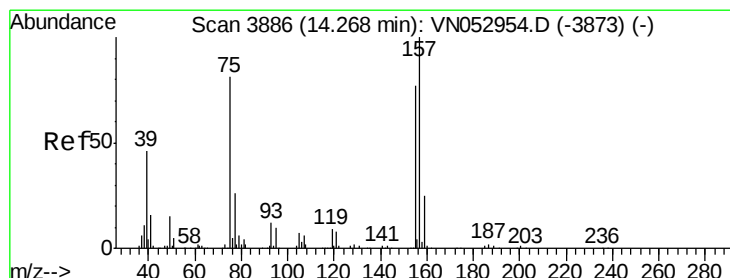
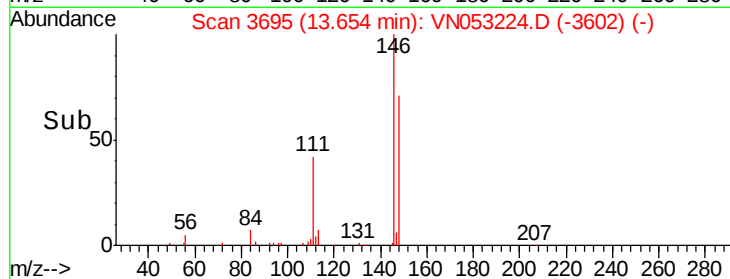
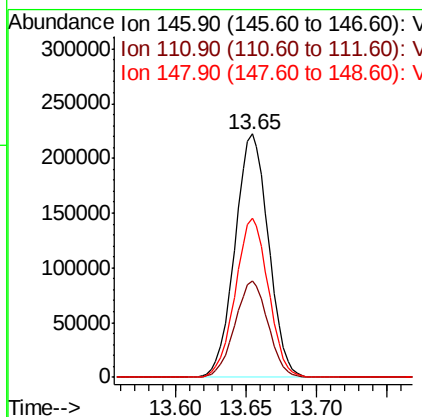
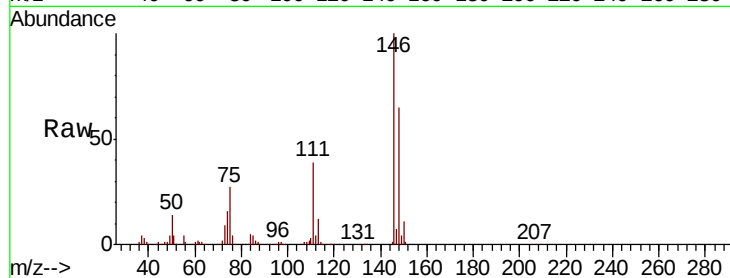
#91
 1,2-Dichlorobenzene
 Concen: 20.755 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053224.D
 Acq: 28 Dec 2018 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1228WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.0
148	64.5	32.0	96.0

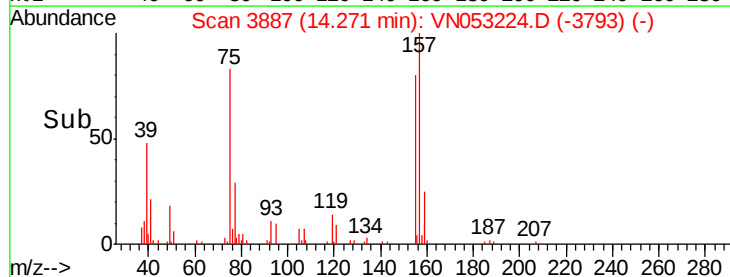
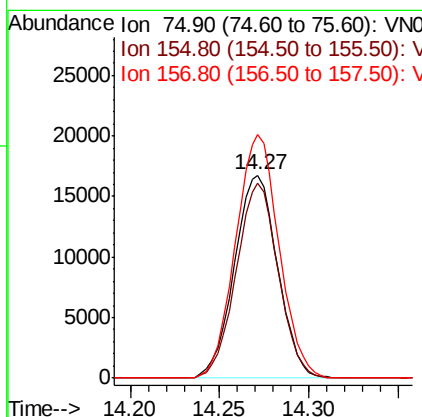
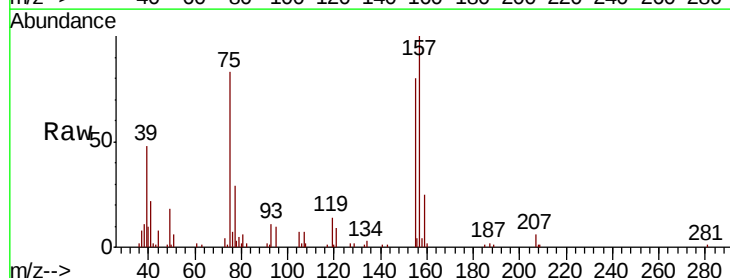
Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 9:49:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.259 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053224.D
 Acq: 28 Dec 2018 14:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.0	48.2	144.6
157	120.3	61.2	183.5





#93

1,2,4-Trichlorobenzene

Concen: 19.714 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Instrument :

MSVOA_N

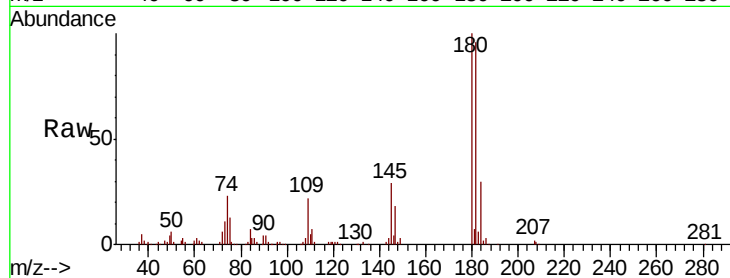
ClientSampleId :

VN1228WBS02

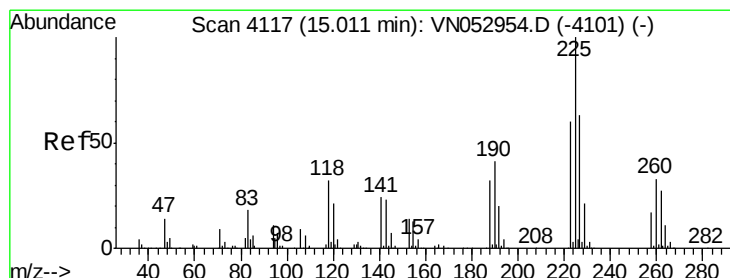
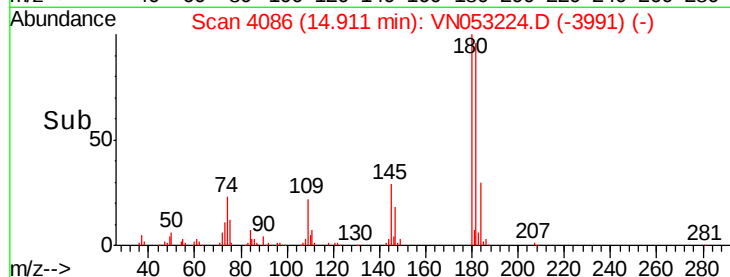
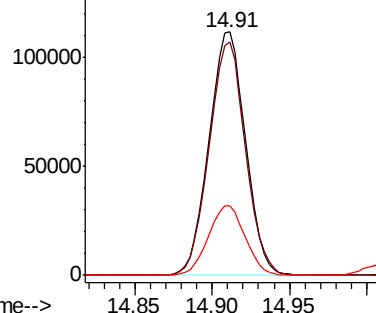
Tot Ion:	180	Resp:	183192
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.8	143.3
145	28.8	14.2	42.6

Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:49:16 AM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 22.012 ug/l

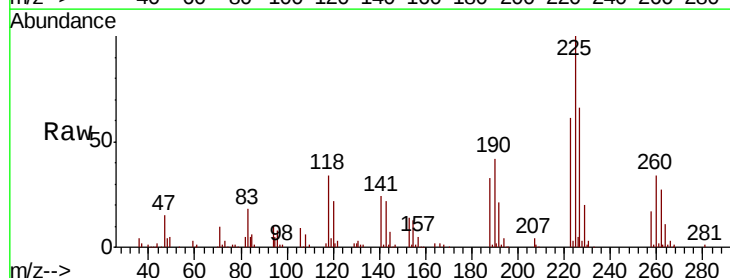
RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

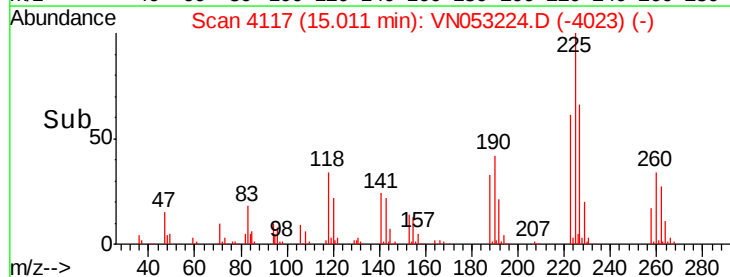
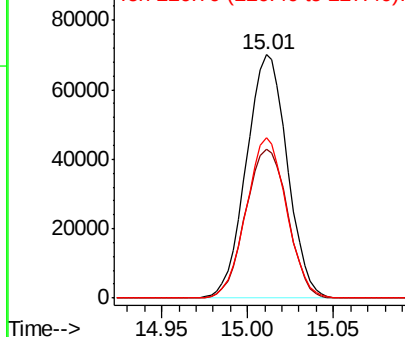
Lab File: VN053224.D

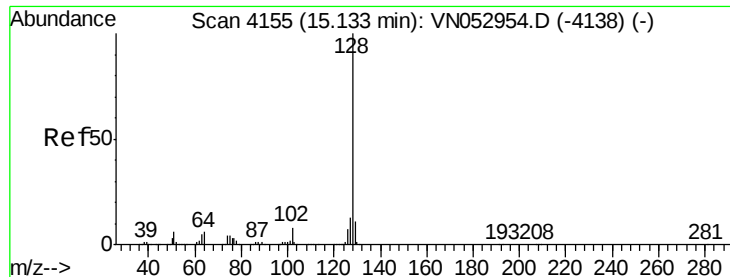
Acq: 28 Dec 2018 14:56

Tgt Ion:	225	Resp:	115792
Ion Ratio	Lower	Upper	
225	100		
223	63.1	31.5	94.5
227	65.1	31.9	95.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.819 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Instrument :

MSVOA_N

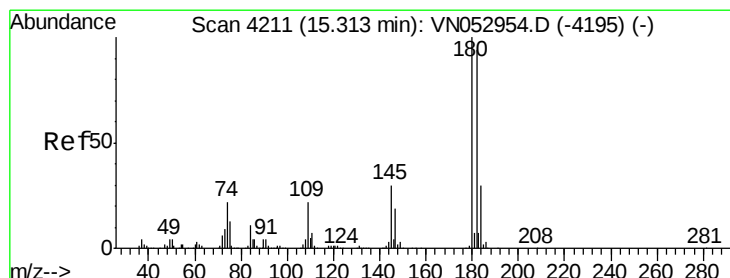
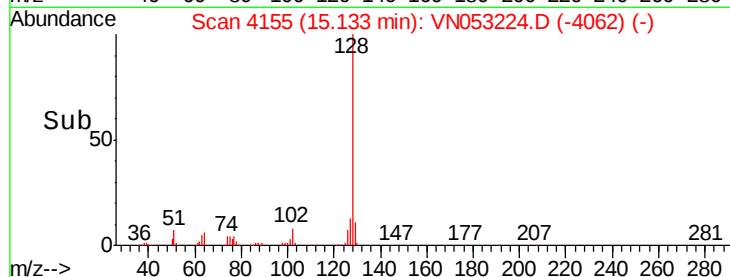
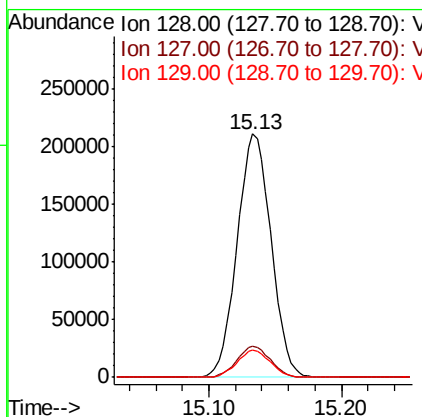
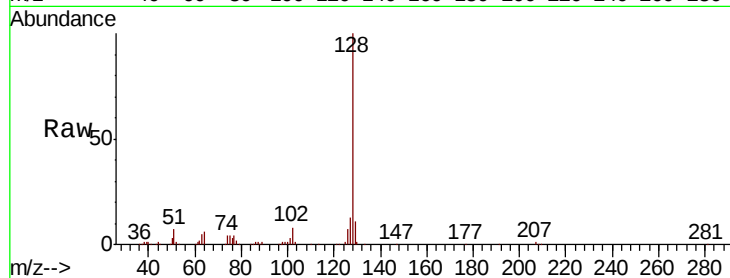
ClientSampleId :

VN1228WBS02

Tot Ion:	128	Resp:	375142
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.2	15.4
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:49:16 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.563 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053224.D

Acq: 28 Dec 2018 14:56

Tgt Ion:	180	Resp:	164133
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.9	143.7
145	30.5	15.0	45.0

