

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120318\
 Data File : VN052630.D
 Acq On : 3 Dec 2018 14:42
 Operator : MD\SY
 Sample : VN1203WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/4/2018 2:56:49 PM

Quant Time: Dec 04 00:43:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	157617	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	906804	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	801388	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	319877	29.78	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.27%
60) 4-Bromofluorobenzene	12.40	95	364594	29.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.20%
63) Toluene-d8	10.09	98	1094588	29.46	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	172751	19.244	ug/l 99
3) Chloromethane	2.06	50	216780	18.209	ug/l 99
4) Vinyl Chloride	2.19	62	224835	18.712	ug/l 93
5) Bromomethane	2.58	94	141291	20.623	ug/l 97
6) Chloroethane	2.71	64	135920	19.021	ug/l 100
7) Trichlorofluoromethane	3.02	101	295424	19.922	ug/l 100
8) Diethyl Ether	3.41	74	109928	20.076	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	188748	20.078	ug/l 98
10) 1,1-Dichloroethene	3.74	96	173594	19.640	ug/l 99
11) Methyl Iodide	3.96	142	253824	20.683	ug/l 99
12) Methyl Acetate	4.33	43	160495	21.371	ug/l 97
13) Acrolein	3.61	56	70925	80.398	ug/l 100
14) Acrylonitrile	4.99	53	330051	103.144	ug/l 99
15) Acetone	3.82	58	88181	106.409	ug/l 98
16) Carbon Disulfide	4.06	76	507385	18.131	ug/l 98
17) Allyl chloride	4.33	41	296886	19.260	ug/l 97
18) Methylene Chloride	4.55	84	197368	19.285	ug/l 96
19) trans-1,2-Dichloroethene	5.05	96	189532	19.925	ug/l 94
20) Diisopropyl ether	5.95	45	619749	19.132	ug/l 98
21) 1,1-Dichloroethane	5.85	63	360485	19.525	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	217344	19.937	ug/l 98
23) tert-Butyl Alcohol	4.78	59	57164	120.089	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	481679	20.773	ug/l 99
25) Chloroform	7.37	83	353484	19.846	ug/l 100
26) Cyclohexane	7.66	56	328711	18.877	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	271518	19.607	ug/l 99
30) 2-Butanone	6.84	43	390328	105.339	ug/l 99
31) 2,2-Dichloropropane	6.83	77	256371	20.110	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	290324	20.149	ug/l 98
33) Carbon Tetrachloride	7.78	117	252164	20.001	ug/l 97
34) Benzene	8.04	78	825098	19.818	ug/l 100
35) Methacrylonitrile	7.17	41	84854	18.457	ug/l 96
36) 1,2-Dichloroethane	8.13	62	253604	20.101	ug/l 100
37) Trichloroethene	8.84	130	214643	20.331	ug/l 98
38) Methylcyclohexane	9.08	83	333719	19.468	ug/l 98
39) 1,2-Dichloropropane	9.12	63	216527	19.402	ug/l 97
40) Dibromomethane	9.21	93	125458	20.802	ug/l 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120318\
 Data File : VN052630.D
 Acq On : 3 Dec 2018 14:42
 Operator : MD\SY
 Sample : VN1203WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/4/2018 2:56:49 PM

Quant Time: Dec 04 00:43:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	262769	19.721	ug/l	96
42) Vinyl Acetate	5.90	43	1971756	98.348	ug/l	98
43) Ethyl Acetate	6.93	43	160953	20.427	ug/l #	70
44) Isopropyl Acetate	8.17	43	303163	21.939	ug/l #	84
45) 1,4-Dioxane	9.20	88	36899	488.101	ug/l	93
46) Methyl methacrylate	9.20	41	146471	20.414	ug/l	97
47) n-amyl Acetate	12.07	43	231511	20.206	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	256995	19.892	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	309304	19.650	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	179794	21.031	ug/l	98
51) Ethyl methacrylate	10.43	69	221128	20.595	ug/l	97
52) 1,3-Dichloropropane	10.71	76	308658	20.284	ug/l	99
53) Dibromochloromethane	10.90	129	193267	20.534	ug/l	99
54) 1,2-Dibromoethane	11.01	107	176187	21.091	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	652020	103.744	ug/l	99
56) Bromoform	12.13	173	128930	20.957	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	832868	107.201	ug/l	99
59) 2-Hexanone	10.75	43	564561	106.375	ug/l	99
61) Tetrachloroethene	10.63	164	214959	21.779	ug/l	96
62) Toluene	10.16	91	885009	20.033	ug/l	100
64) Chlorobenzene	11.44	112	536512	19.897	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	189229	20.217	ug/l	99
66) Ethyl Benzene	11.51	91	945597	19.860	ug/l	98
67) m/p-Xylenes	11.62	106	718901	40.527	ug/l	99
68) o-Xylene	11.95	106	351775	20.432	ug/l	98
69) Styrene	11.97	104	561068	20.190	ug/l	100
70) Isopropylbenzene	12.25	105	943466	20.595	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	211613	21.236	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	181790m	21.251	ug/l	
73) Bromobenzene	12.53	156	231460	20.891	ug/l	95
74) n-propylbenzene	12.59	91	1066502	19.981	ug/l	99
75) 2-Chlorotoluene	12.68	91	631952	20.398	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	768315	20.765	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	55048	20.371	ug/l	100
78) 4-Chlorotoluene	12.77	91	618471	19.990	ug/l	100
79) tert-butylbenzene	12.99	119	669664	20.782	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	767489	20.730	ug/l	100
81) sec-Butylbenzene	13.17	105	914957	20.385	ug/l	100
82) p-Isopropyltoluene	13.29	119	788415	20.629	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	404460	20.756	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	389729	20.701	ug/l	98
85) n-Butylbenzene	13.62	91	651907	19.858	ug/l	99
86) Hexachloroethane	13.88	117	128781	19.887	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	395006	21.302	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31085	22.270	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	190708	20.875	ug/l	99
90) Hexachlorobutadiene	15.01	225	131030	21.864	ug/l	98
91) Naphthalene	15.14	128	393785	21.345	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	182275	21.650	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120318\
Data File : VN052630.D
Acq On : 3 Dec 2018 14:42
Operator : MD\SY
Sample : VN1203WBS02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

Manual Integrations
APPROVED

MMDadoda
12/4/2018 2:56:49 PM

Quant Time: Dec 04 00:43:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

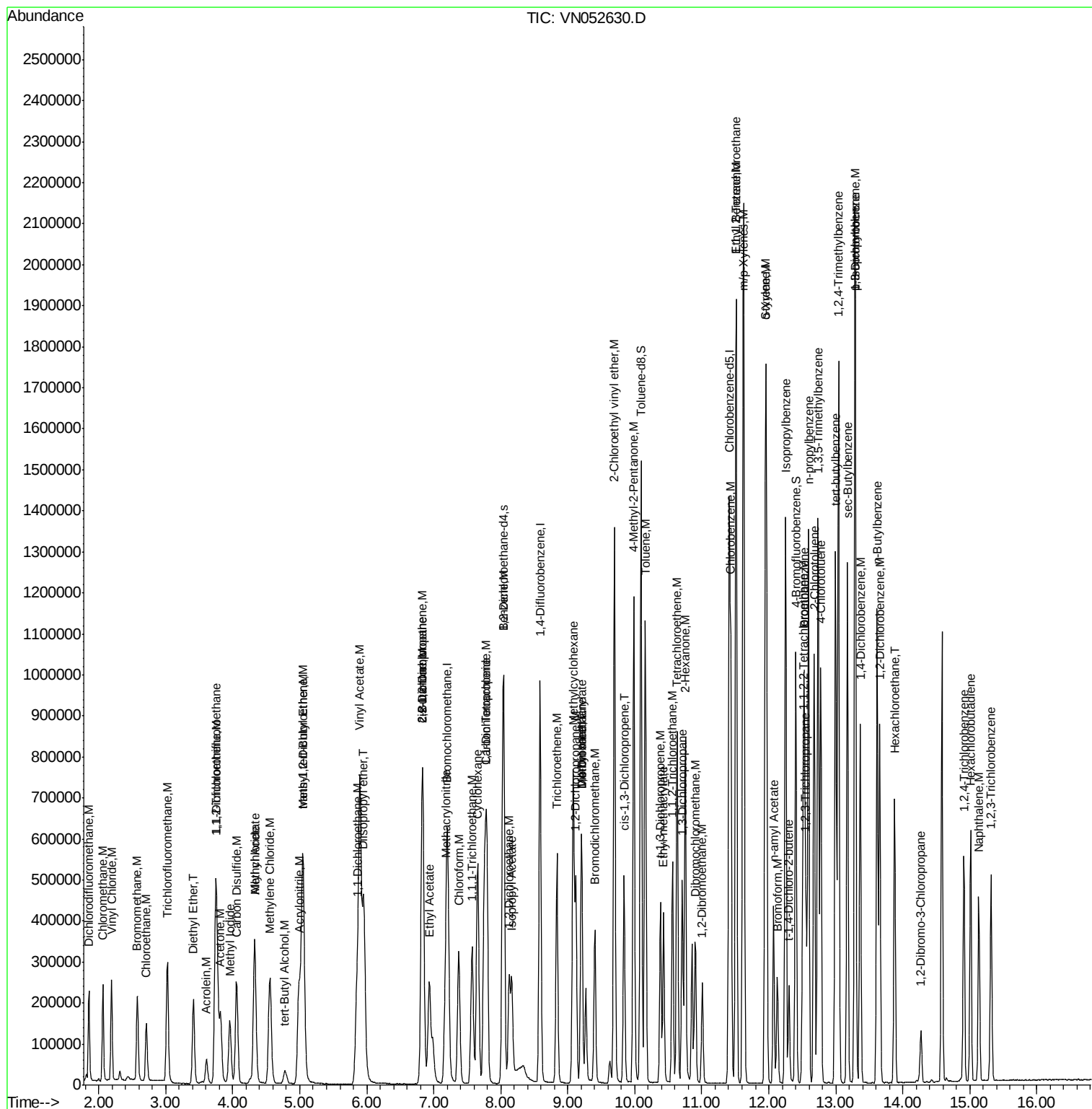
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120318\
Data File : VN052630.D
Acq On : 3 Dec 2018 14:42
Operator : MD\SY
Sample : VN1203WBS02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 28

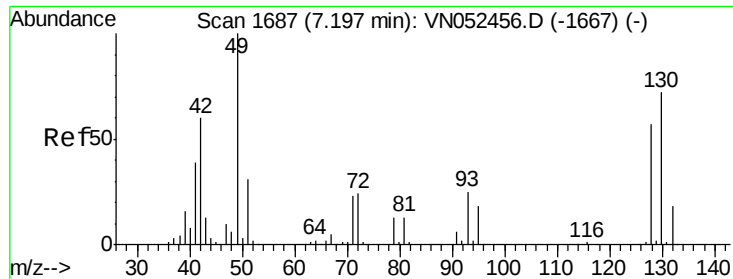
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

Manual Integrations
APPROVED

MMDadoda
12/4/2018 2:56:49 PM

Quant Time: Dec 04 00:43:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

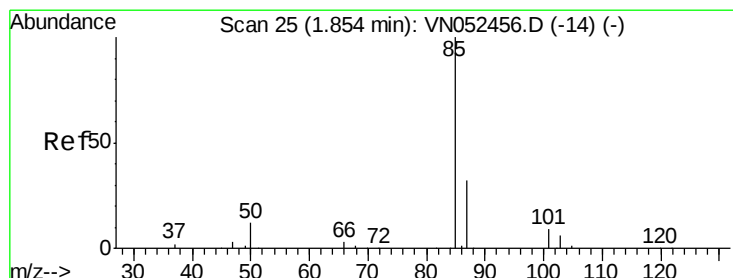
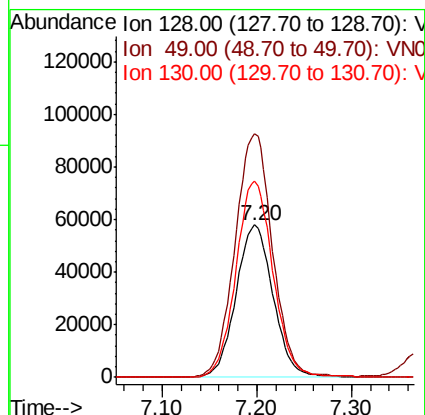
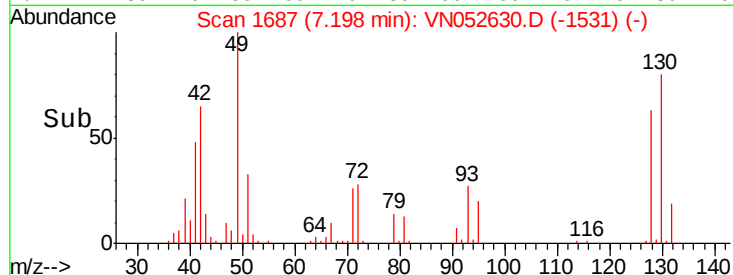
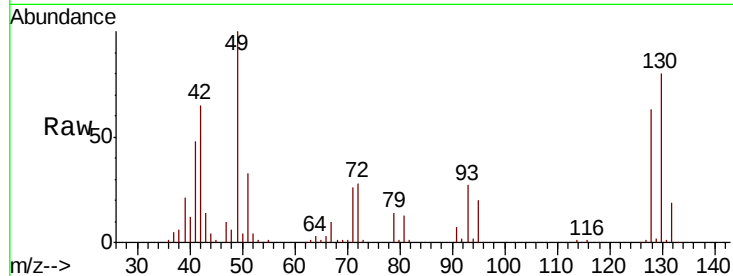
ClientSampleId :

VN1203WBS02

Tot Ion:	128	Resp:	157617
Ion Ratio	Lower	Upper	
128	100		
49	161.3	0.0	431.8
130	129.0	0.0	317.0

Manual Integrations
APPROVED

MMDadoda
12/4/2018 2:56:49 PM



#2

Dichlorodifluoromethane

Concen: 19.244 ug/l

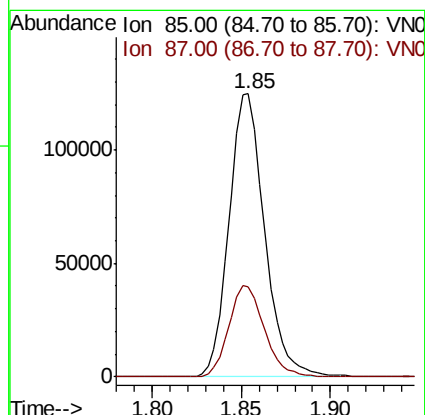
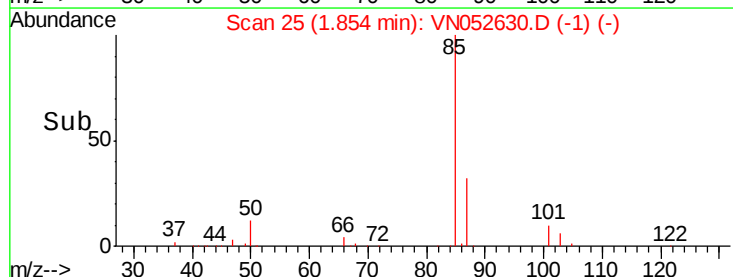
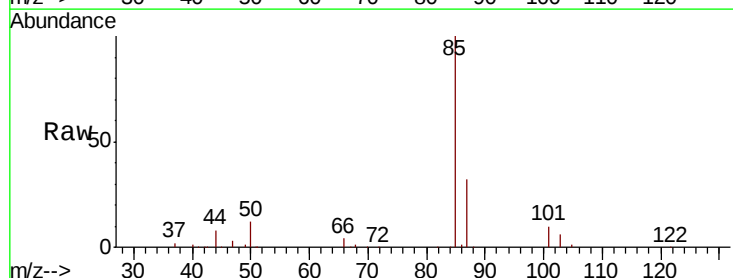
RT: 1.85 min Scan# 25

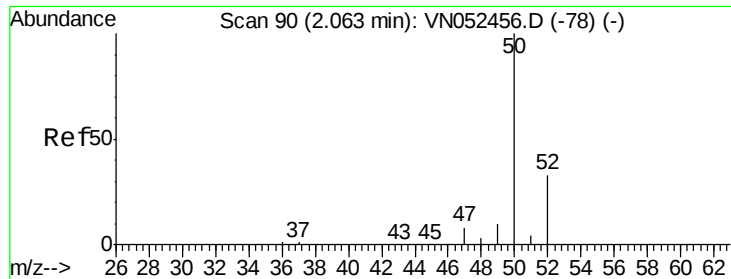
Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Tgt Ion:	85	Resp:	172751
Ion Ratio	Lower	Upper	
85	100		
87	31.9	16.1	48.3





#3

Chloromethane

Concen: 18.209 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBS02

Tot Ion: 50 Resp: 216780

Ion Ratio Lower Upper

50 100

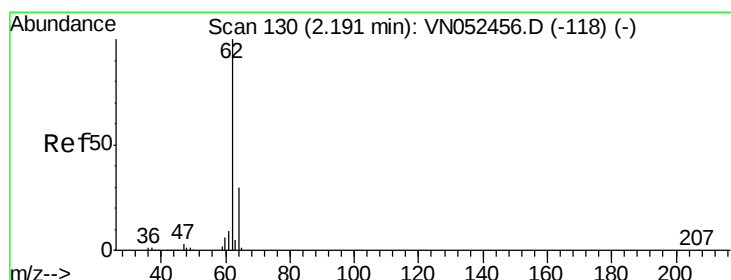
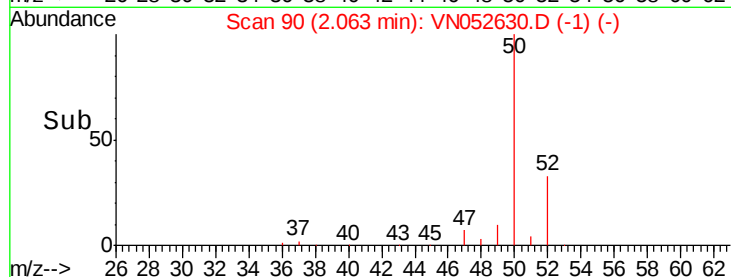
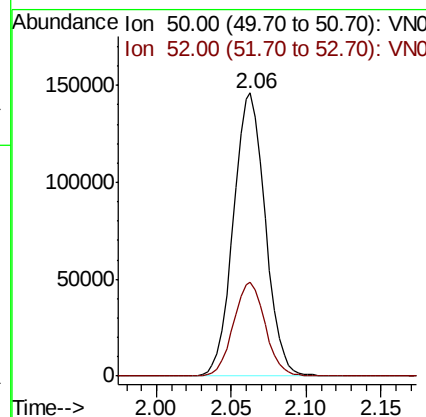
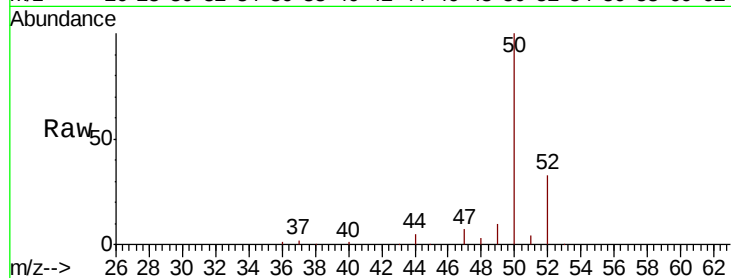
52 33.4 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

12/4/2018 2:56:49 PM



#4

Vinyl Chloride

Concen: 18.712 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052630.D

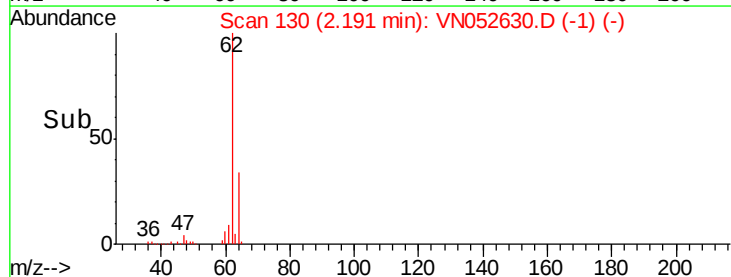
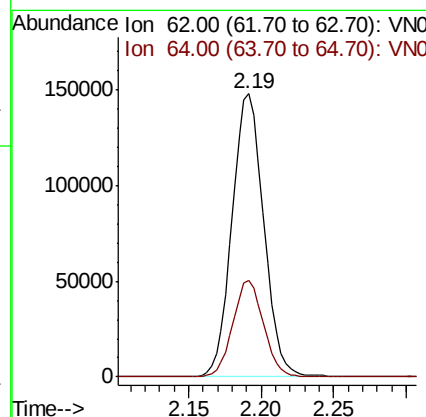
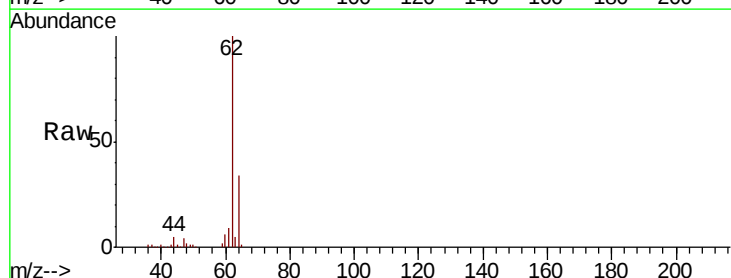
Acq: 3 Dec 2018 14:42

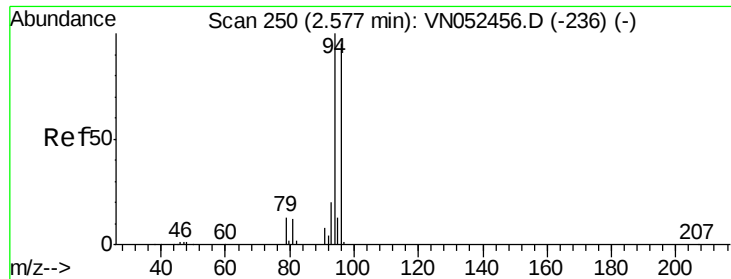
Tgt Ion: 62 Resp: 224835

Ion Ratio Lower Upper

62 100

64 34.0 24.2 36.4





#5

Bromomethane

Concen: 20.623 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBS02

Tot Ion: 94 Resp: 141291

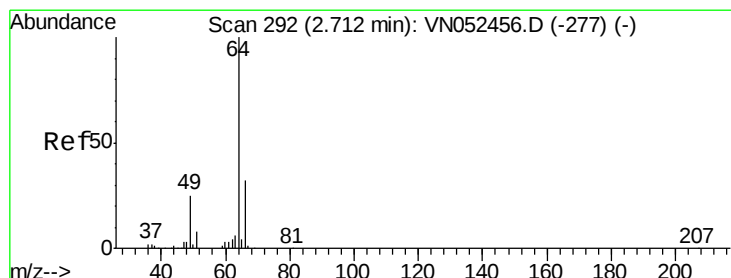
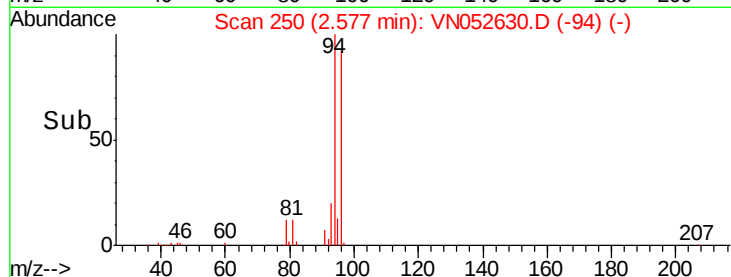
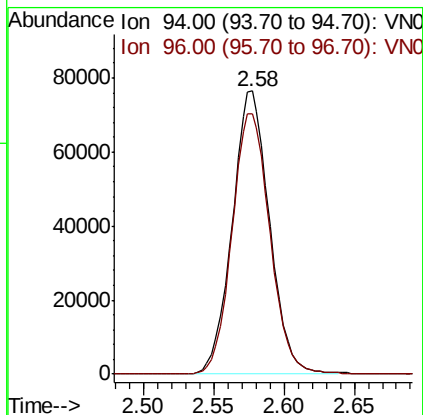
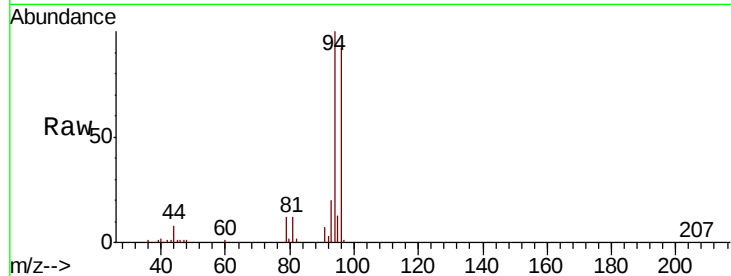
Ion Ratio Lower Upper

94 100

96 92.0 76.2 114.2

Manual Integrations
APPROVED

MMDadoda
12/4/2018 2:56:49 PM



#6

Chloroethane

Concen: 19.021 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052630.D

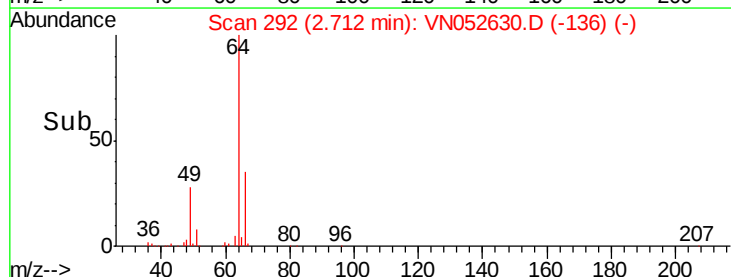
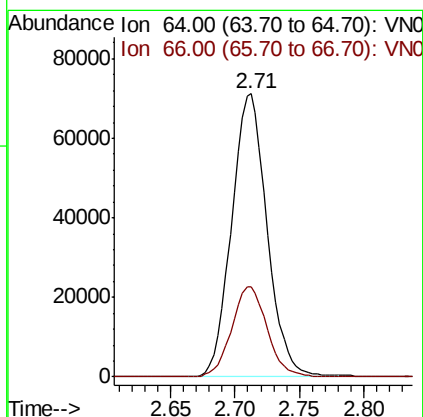
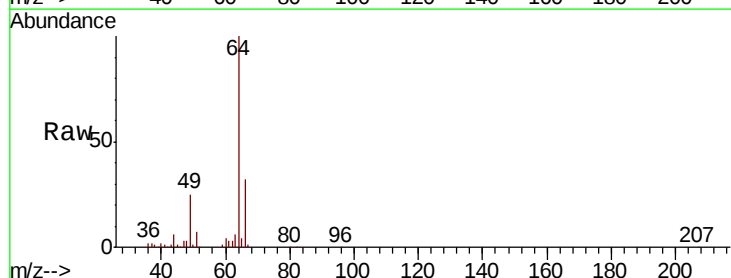
Acq: 3 Dec 2018 14:42

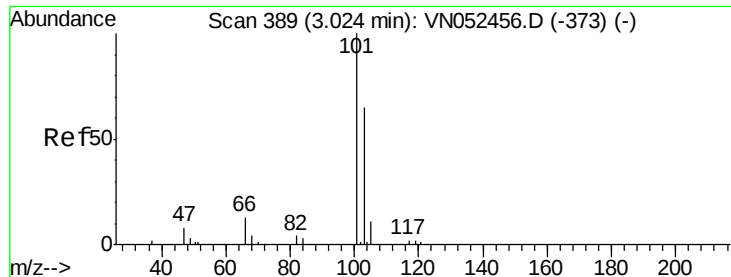
Tgt Ion: 64 Resp: 135920

Ion Ratio Lower Upper

64 100

66 31.8 25.6 38.4





#7

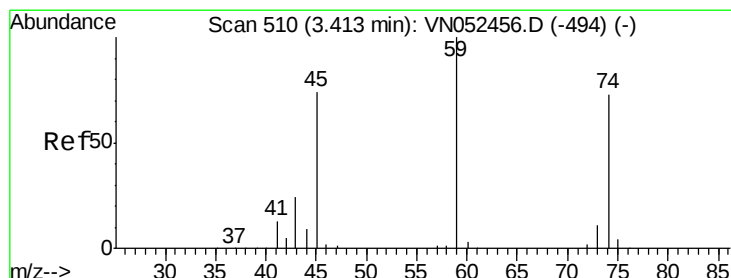
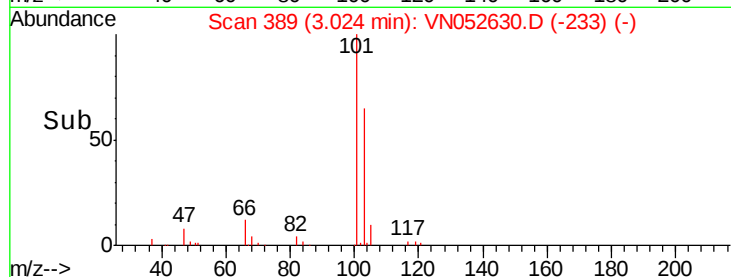
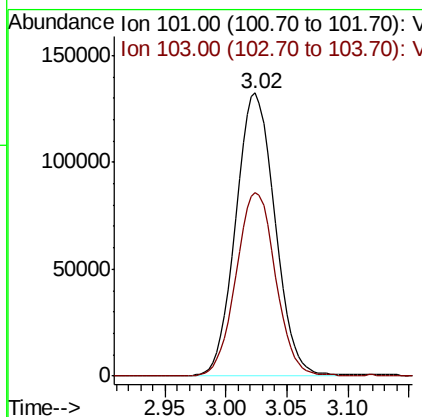
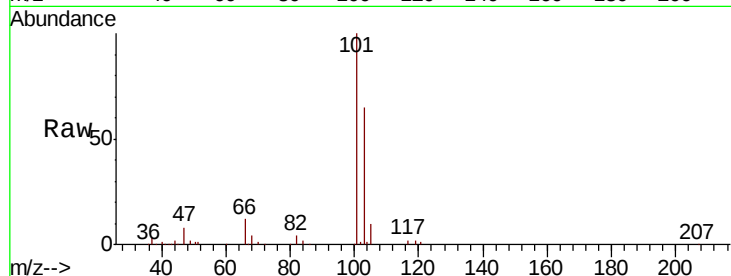
Trichlorofluoromethane
Concen: 19.922 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.1	78.1

Manual Integrations
APPROVED

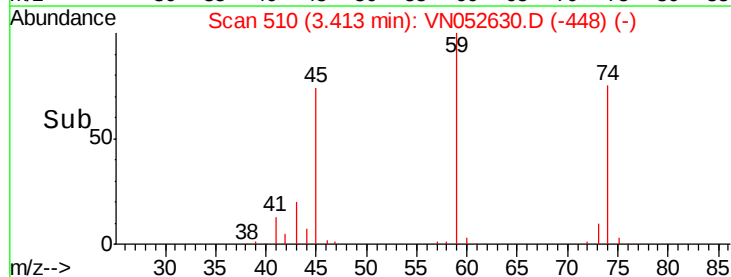
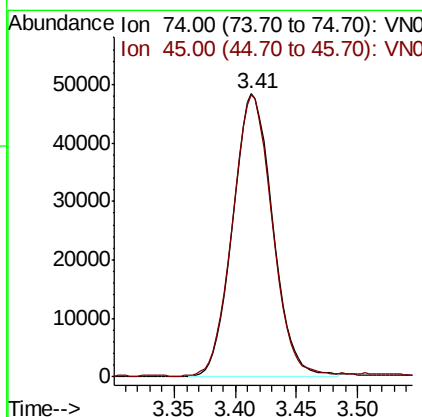
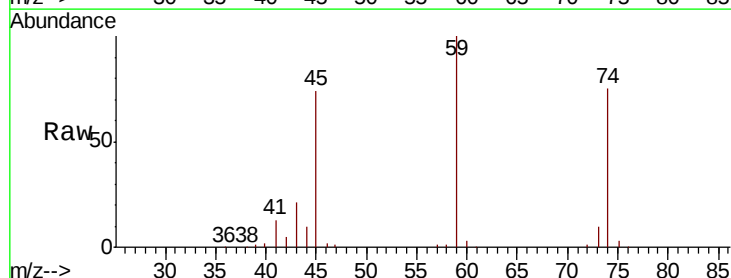
MMDadoda
12/4/2018 2:56:49 PM

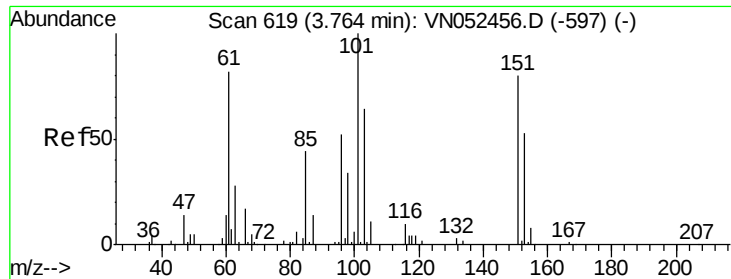


#8

Diethyl Ether
Concen: 20.076 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.2	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.078 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

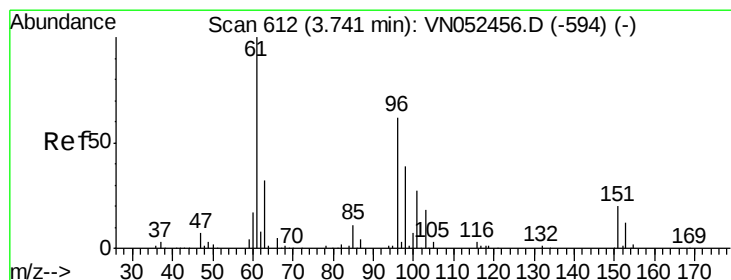
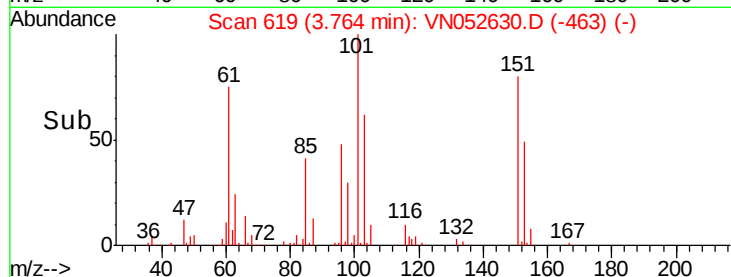
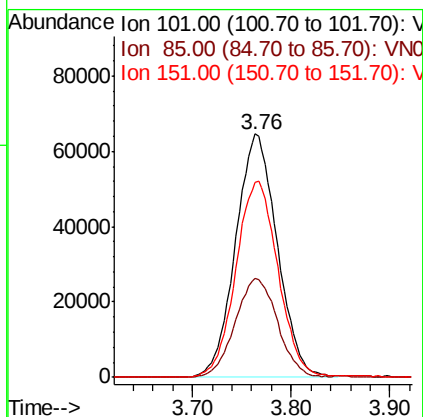
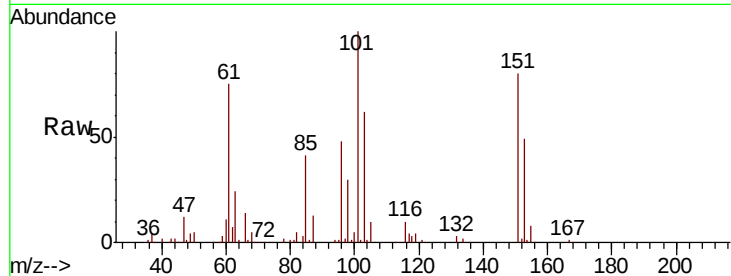
ClientSampleId :

VN1203WBS02

Tot Ion:	101	Resp:	188748
Ion Ratio	Lower	Upper	
101	100		
85	41.5	0.0	82.6
151	81.8	0.0	158.4

Manual Integrations
APPROVED

MMDadoda
12/4/2018 2:56:49 PM



#10

1,1-Dichloroethene

Concen: 19.640 ug/l

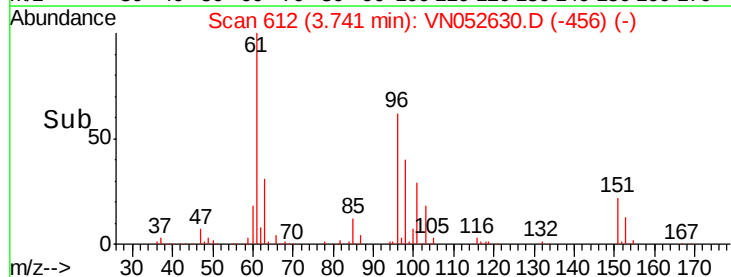
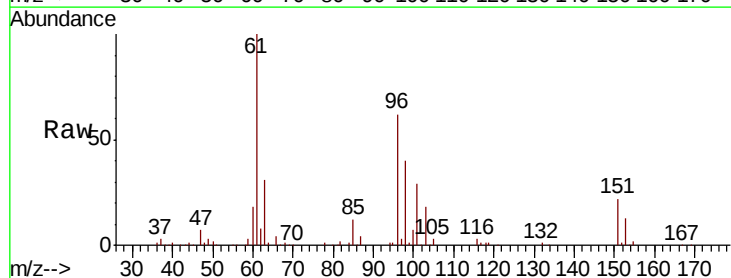
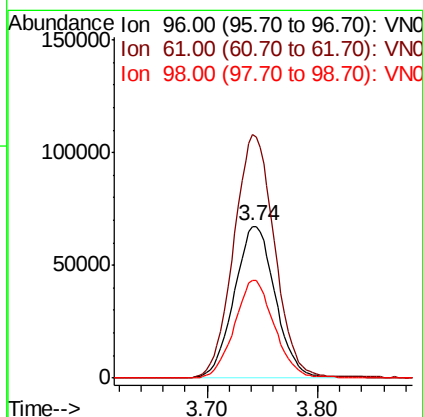
RT: 3.74 min Scan# 612

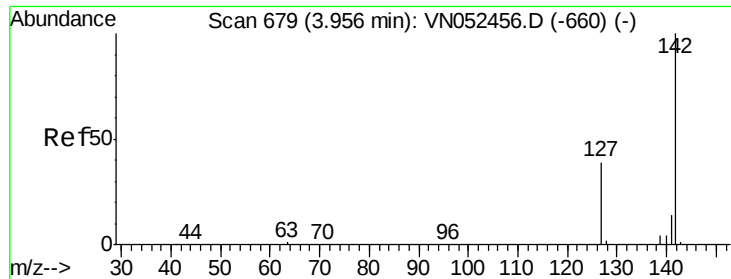
Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Tgt Ion:	96	Resp:	173594
Ion Ratio	Lower	Upper	
96	100		
61	160.5	129.4	194.2
98	64.7	50.4	75.6





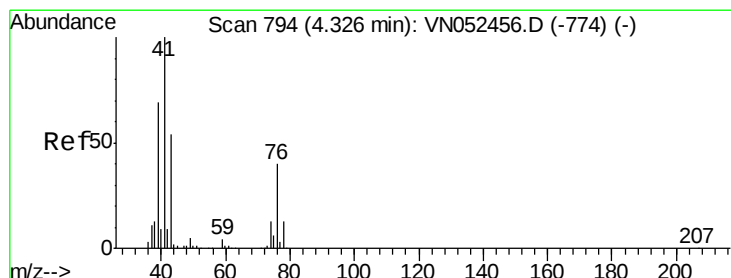
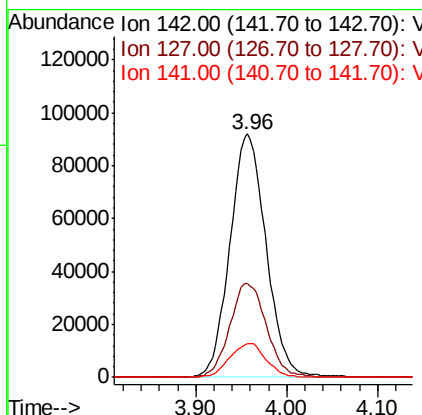
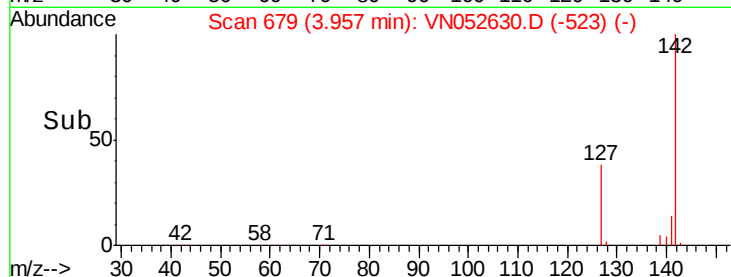
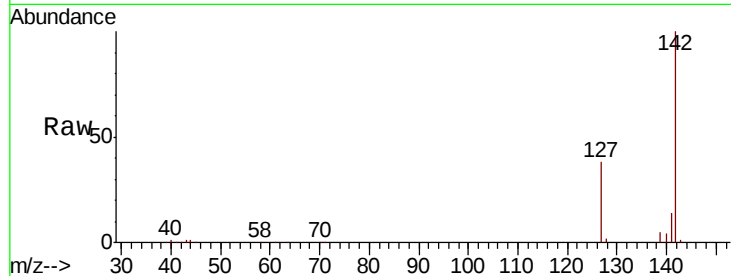
#11
Methvl Iodide
Concen: 20.683 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.5	19.4	58.1
141	14.0	7.2	21.6

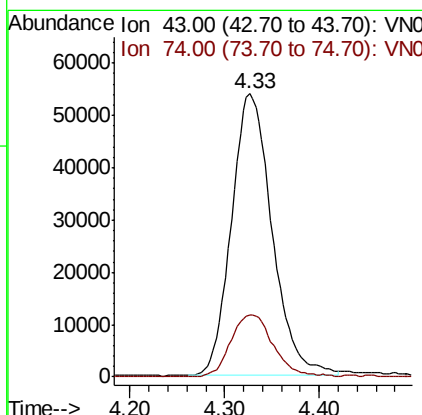
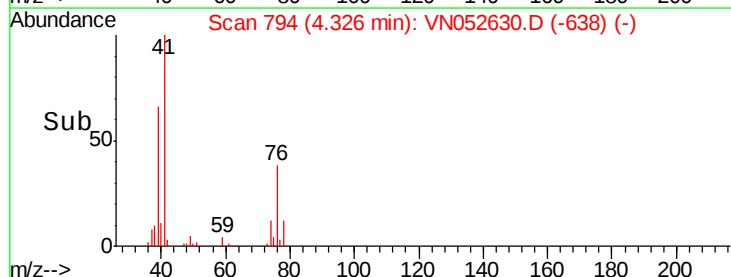
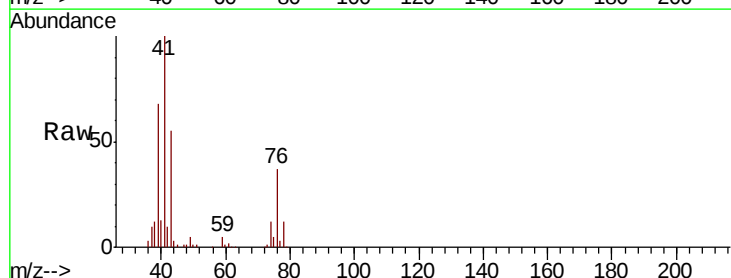
Manual Integrations
APPROVED

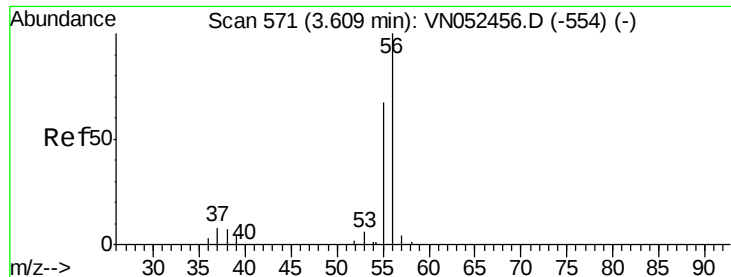
MMDadoda
12/4/2018 2:56:49 PM



#12
Methyl Acetate
Concen: 21.371 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	18.9	28.3





#13

Acrolein

Concen: 80.398 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBS02

Tot Ion: 56 Resp: 70925

Ion Ratio Lower Upper

56 100

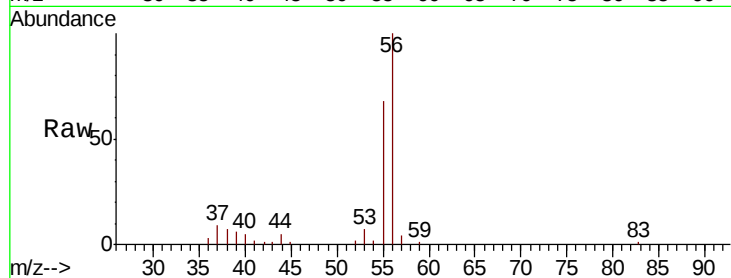
55 70.6 56.7 85.1

Manual Integrations

APPROVED

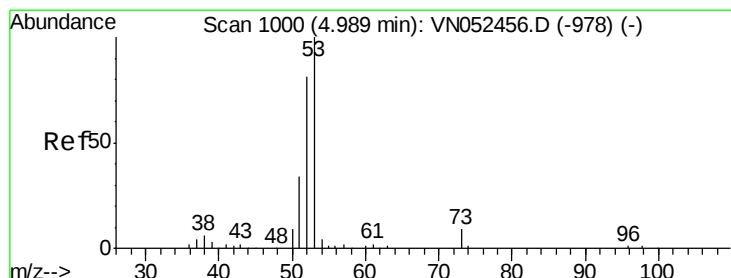
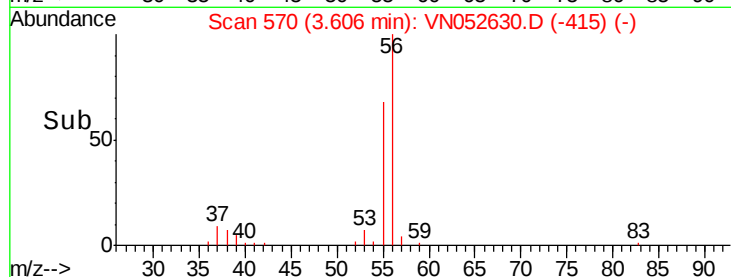
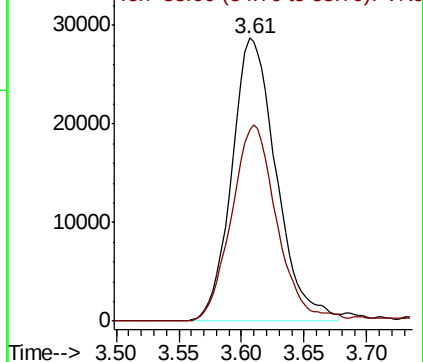
MMDadoda

12/4/2018 2:56:49 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 103.144 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

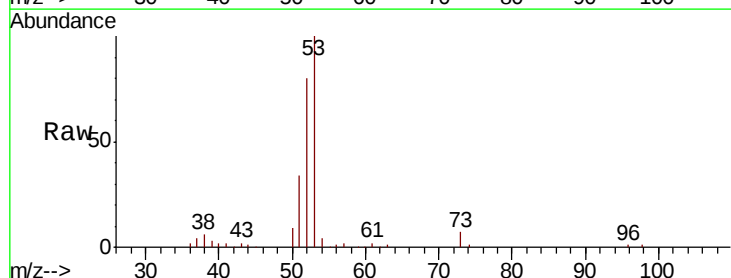
Tgt Ion: 53 Resp: 330051

Ion Ratio Lower Upper

53 100

52 81.5 39.9 119.7

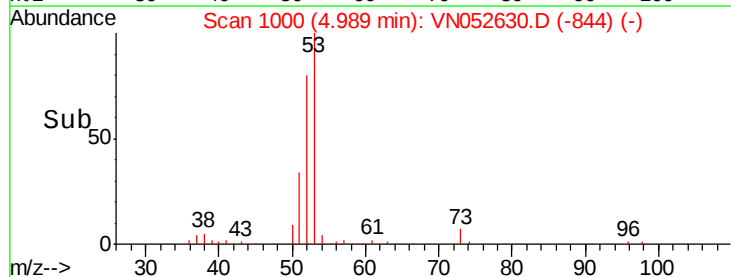
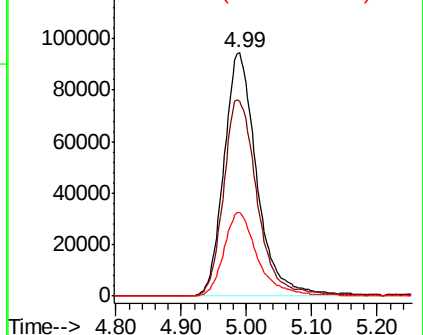
51 35.0 17.6 52.9

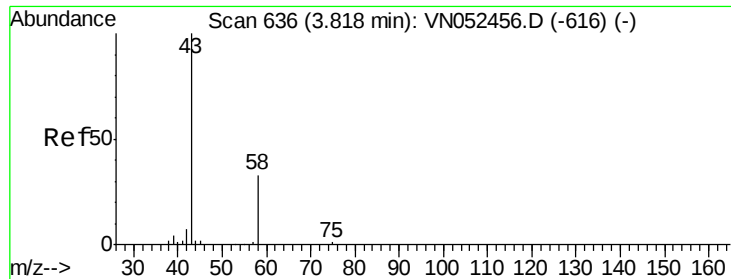


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 106.409 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBS02

Tot Ion: 58 Resp: 88181

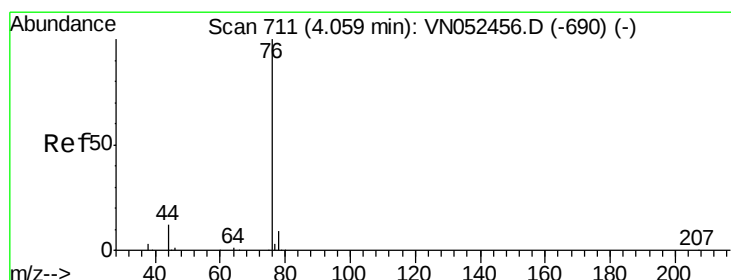
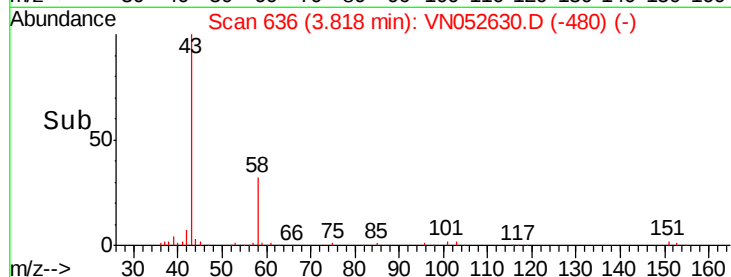
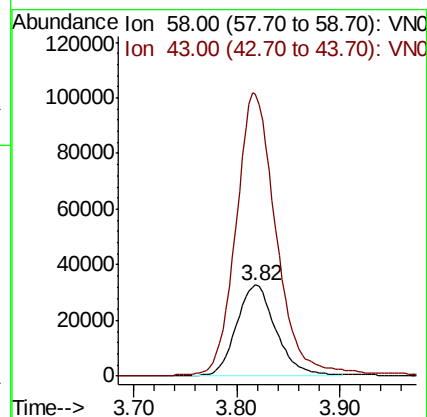
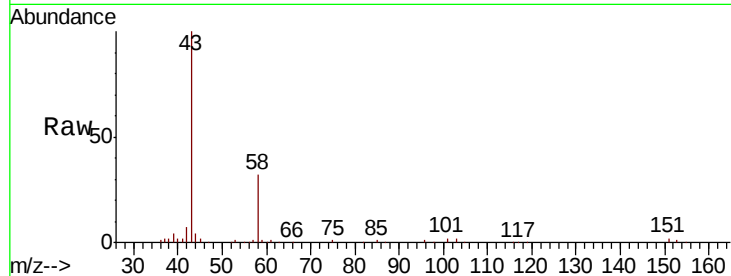
Ion Ratio Lower Upper

58 100

43 308.4 243.6 365.4

Manual Integrations
APPROVED

MMDadoda
12/4/2018 2:56:49 PM



#16

Carbon Disulfide

Concen: 18.131 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052630.D

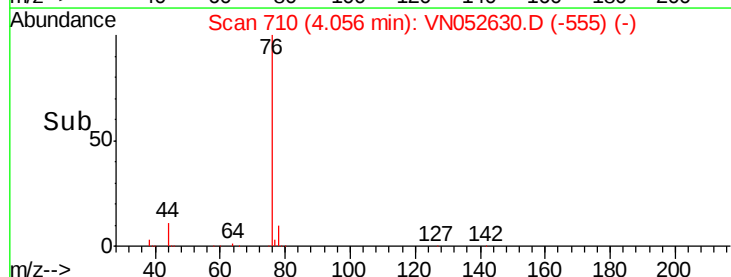
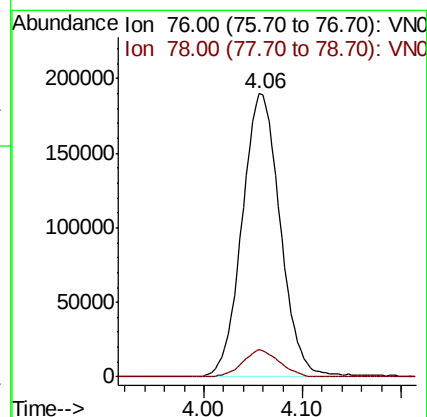
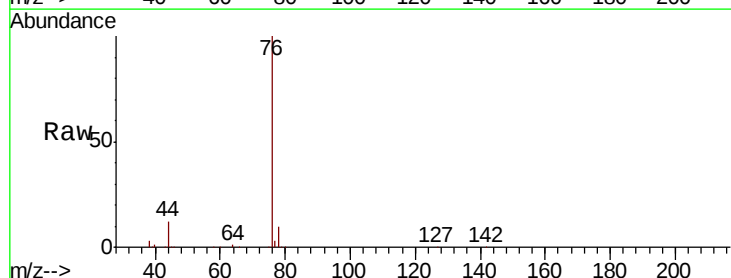
Acq: 3 Dec 2018 14:42

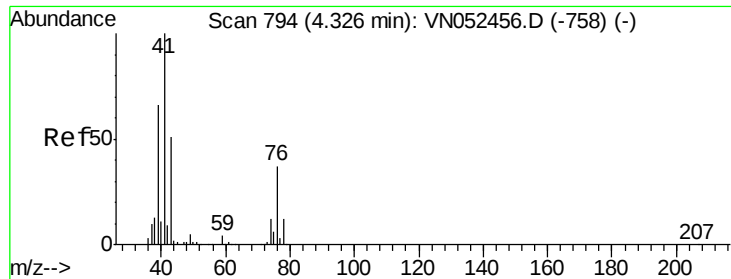
Tgt Ion: 76 Resp: 507385

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9





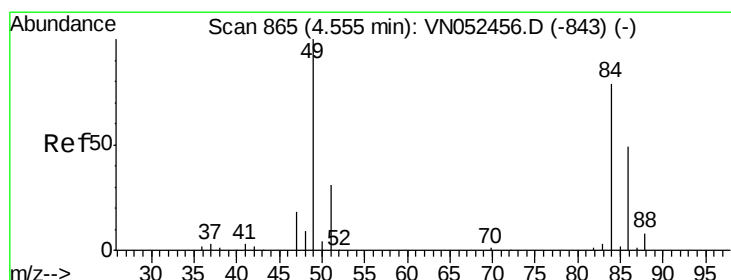
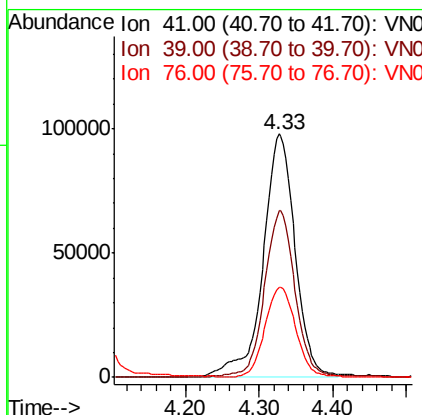
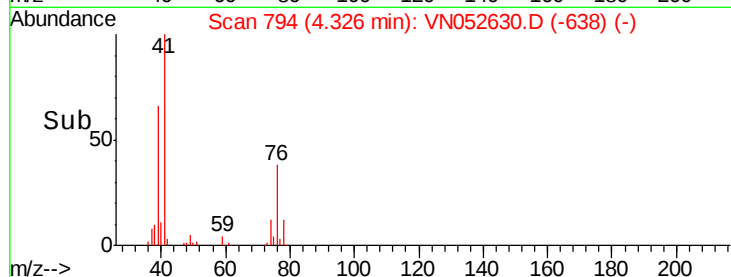
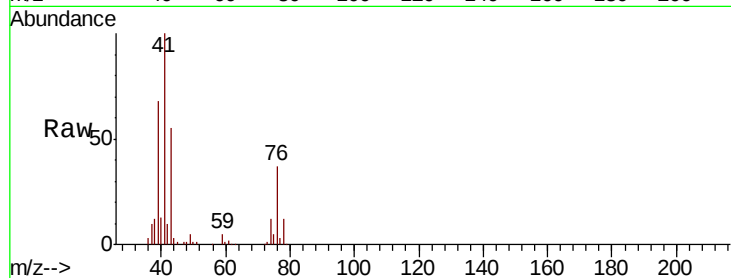
#17
Allvl chloride
Concen: 19.260 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	68.3	32.8	98.3
76	36.4	18.6	55.8

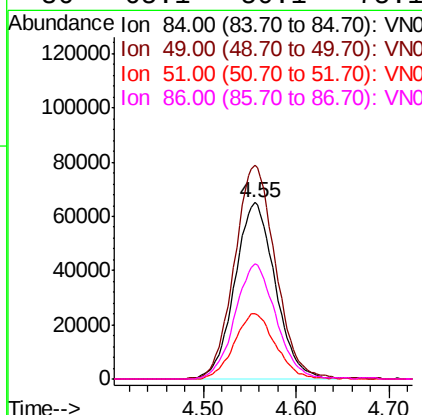
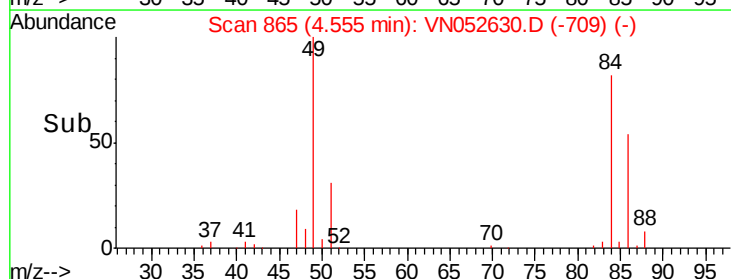
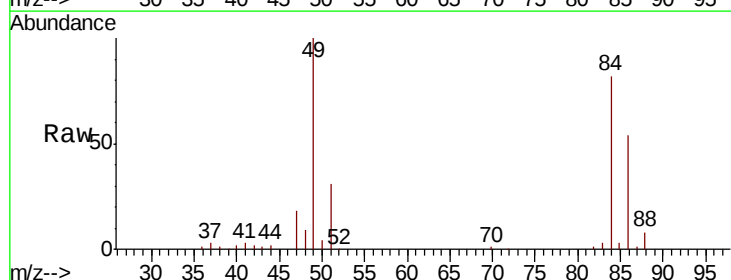
Manual Integrations
APPROVED

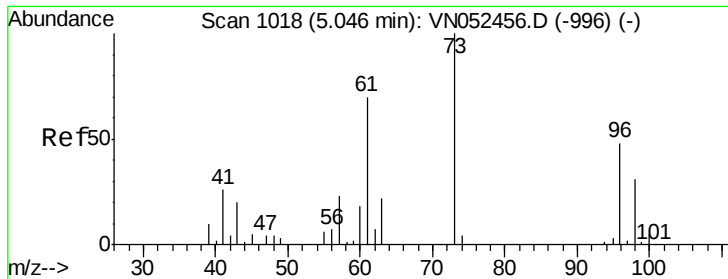
MMDadoda
12/4/2018 2:56:49 PM



#18
Methylene Chloride
Concen: 19.285 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.9	101.4	152.0
51	37.4	31.7	47.5
86	65.1	50.1	75.1





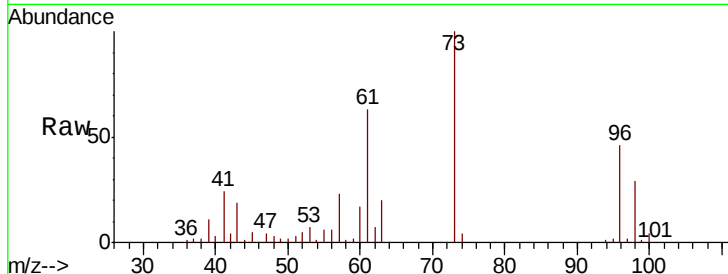
#19
trans-1,2-Dichloroethene
Concen: 19.925 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Instrument :
MSVOA_N
ClientSampled :
VN1203WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.1	118.2	177.4
98	62.4	51.4	77.2

Manual Integrations
APPROVED

MMDadoda
12/4/2018 2:56:49 PM

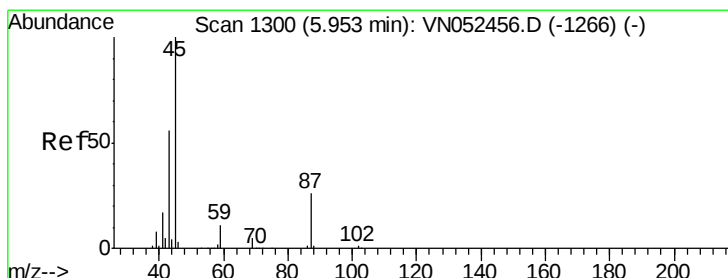
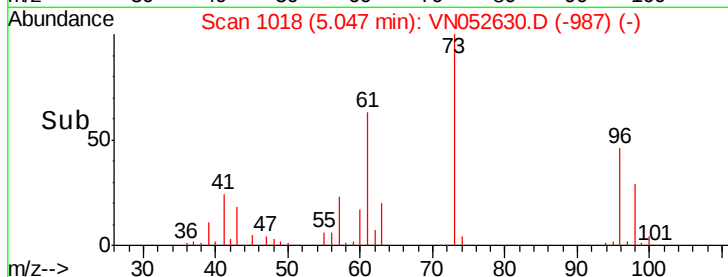
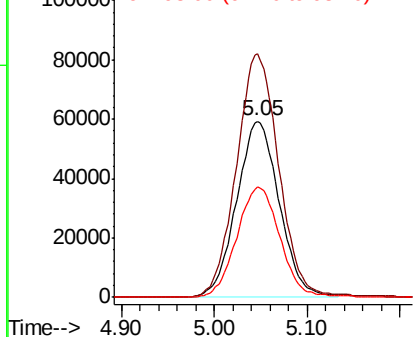


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20
Diisopropyl ether
Concen: 19.132 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.5	47.8	71.8
87	26.9	21.3	31.9
59	11.8	8.9	13.3

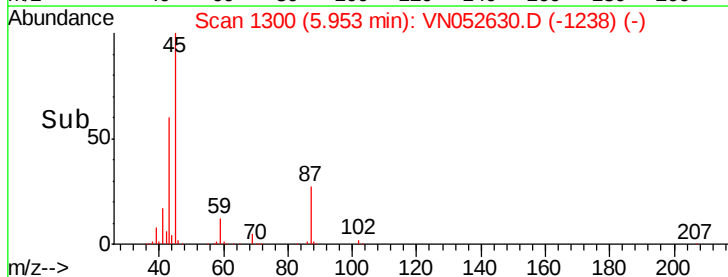
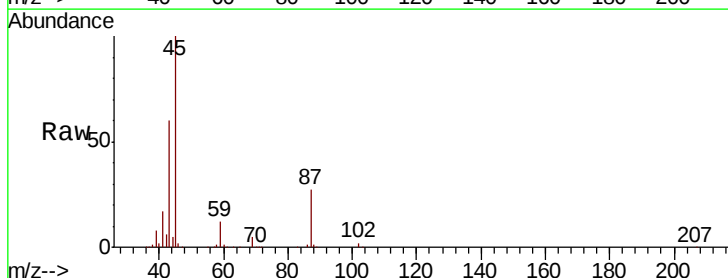
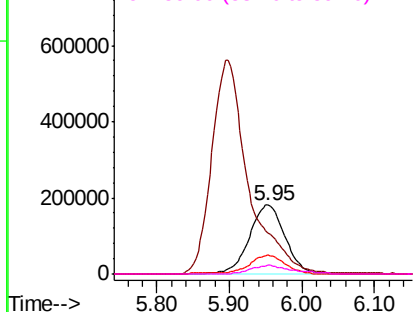
Abundance

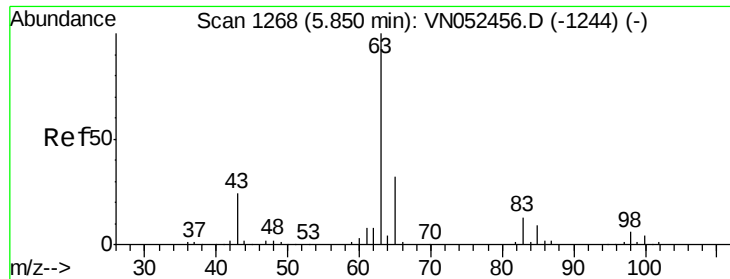
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





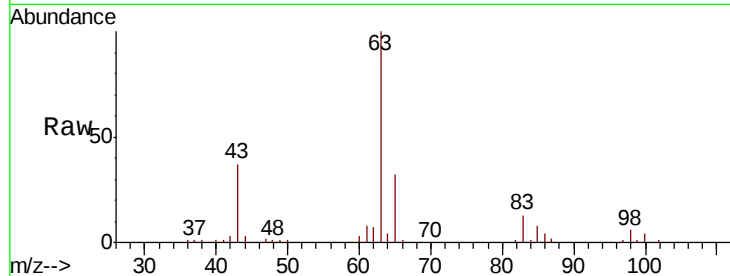
#21
 1,1-Dichloroethane
 Concen: 19.525 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS02

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.3	3.0	9.2	
100	4.2	1.8	5.5	

Manual Integrations
 APPROVED

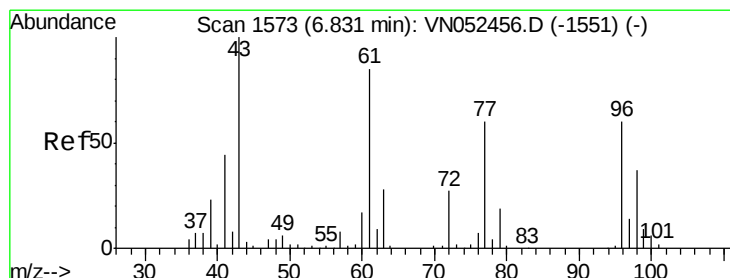
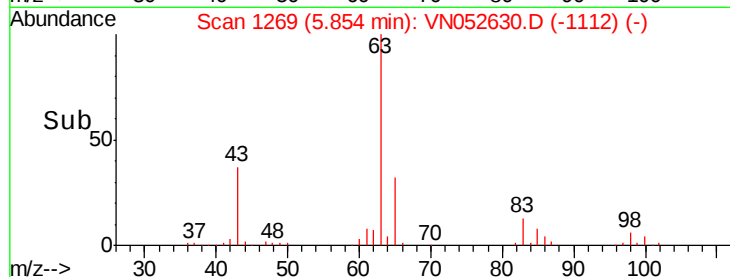
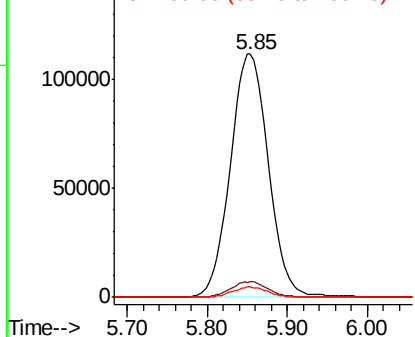
MMDadoda
 12/4/2018 2:56:49 PM



Abundance Ion 63.00 (62.70 to 63.70): VN052630.D (-1268) (-)

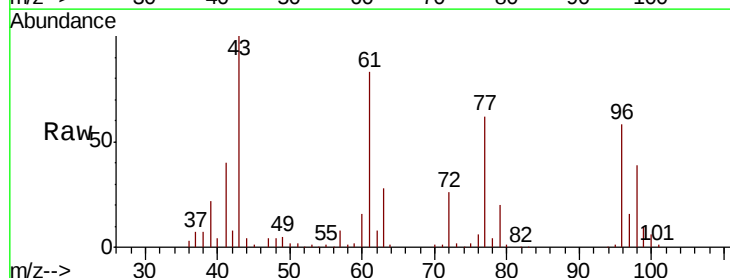
Ion 98.00 (97.70 to 98.70): VN052630.D (-1268) (-)

Ion 100.00 (99.70 to 100.70): VN052630.D (-1268) (-)



#22
 cis-1,2-Dichloroethene
 Concen: 19.937 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

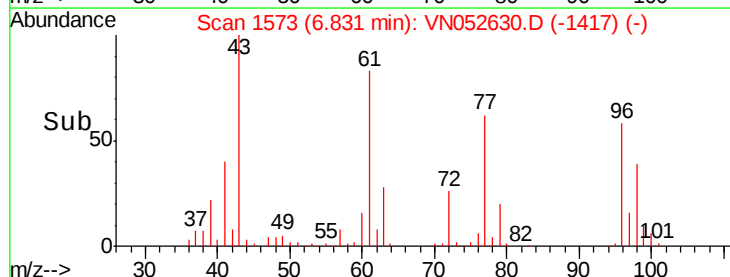
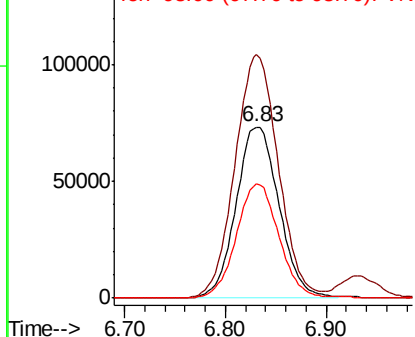
Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.5	116.7	175.1	
98	65.8	50.8	76.2	

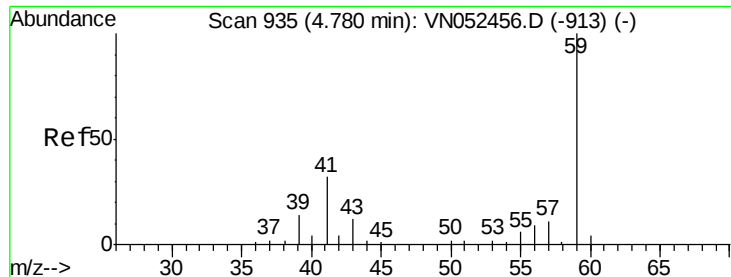


Abundance Ion 96.00 (95.70 to 96.70): VN052630.D (-1573) (-)

Ion 61.00 (60.70 to 61.70): VN052630.D (-1573) (-)

Ion 98.00 (97.70 to 98.70): VN052630.D (-1573) (-)





#23

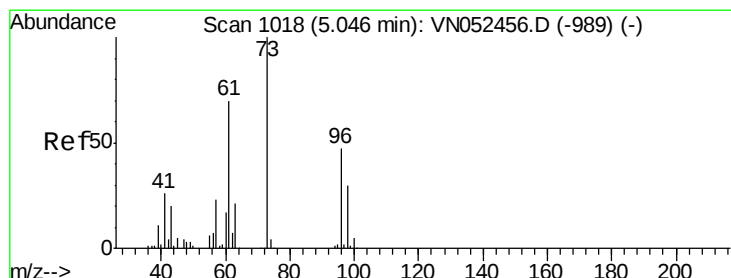
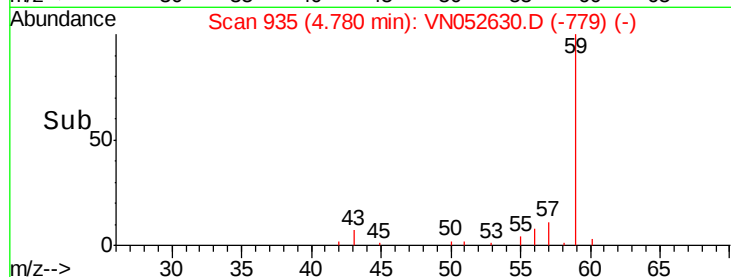
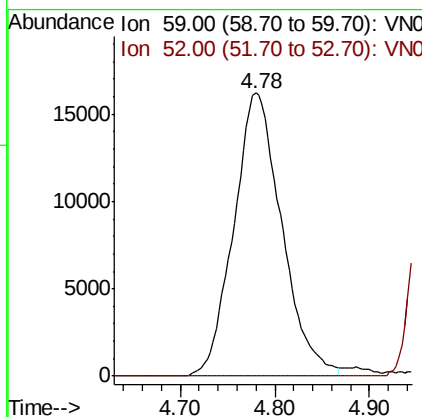
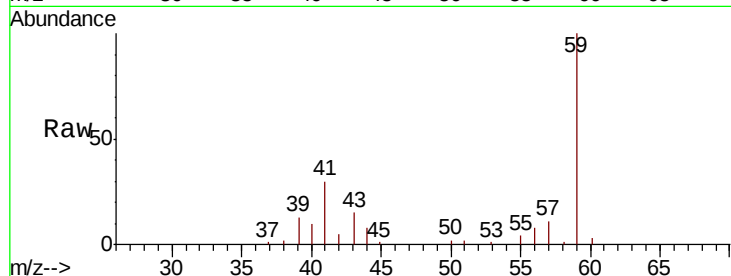
tert-Butyl Alcohol
 Concen: 120.089 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.0	0.0#

Manual Integrations
 APPROVED

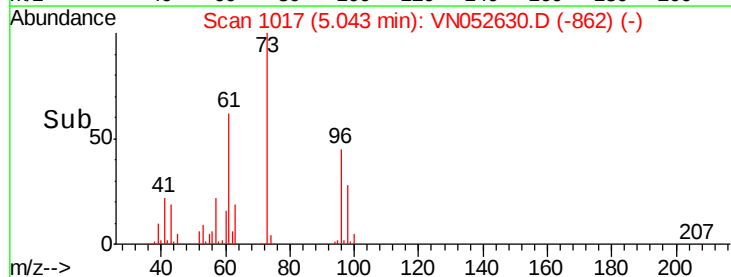
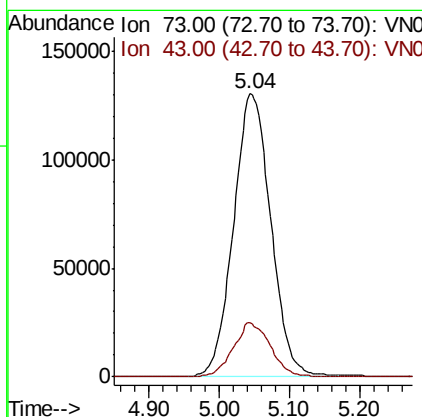
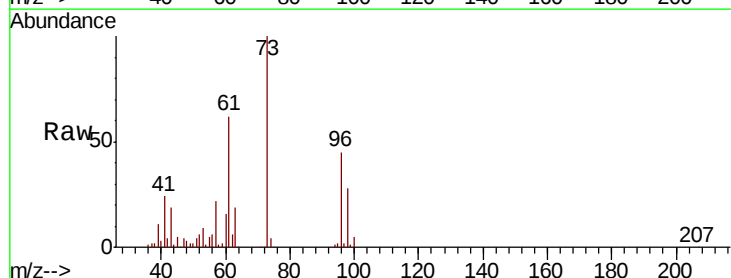
MMDadoda
 12/4/2018 2:56:49 PM

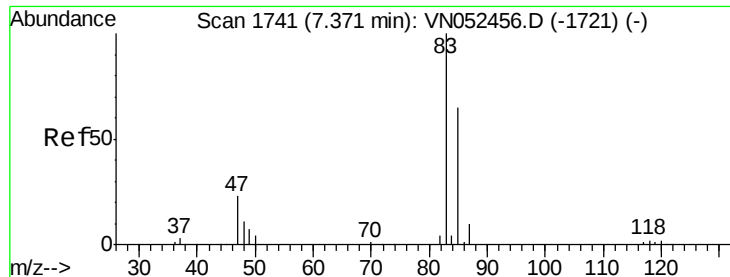


#24

Methyl tert-Butyl Ether
 Concen: 20.773 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.2	15.8	23.8





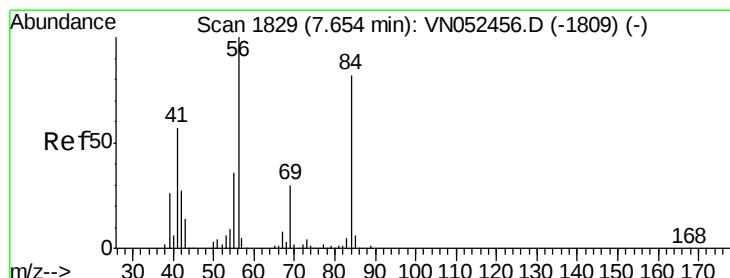
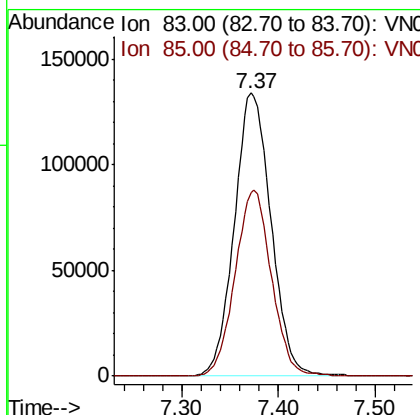
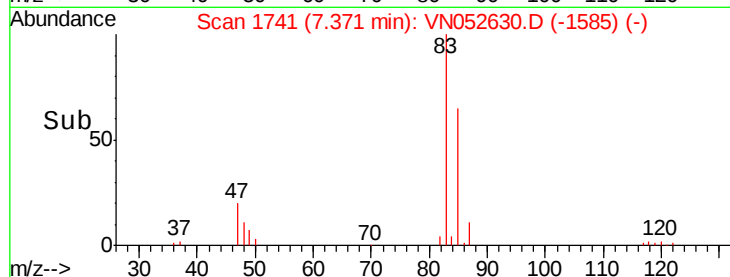
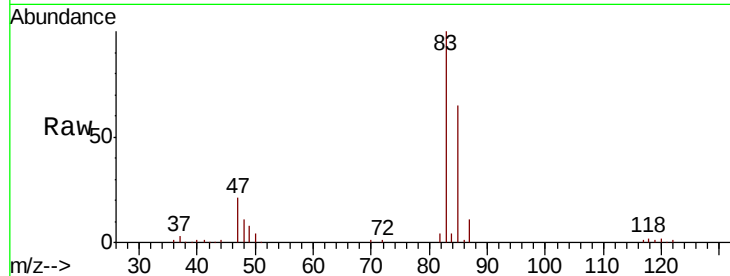
#25
Chloroform
Concen: 19.846 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

Tot Ion	83	Resp	353484
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.7	77.5

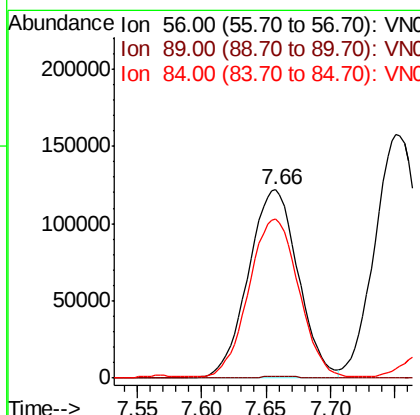
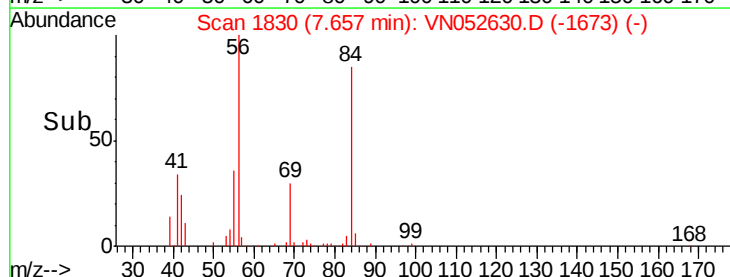
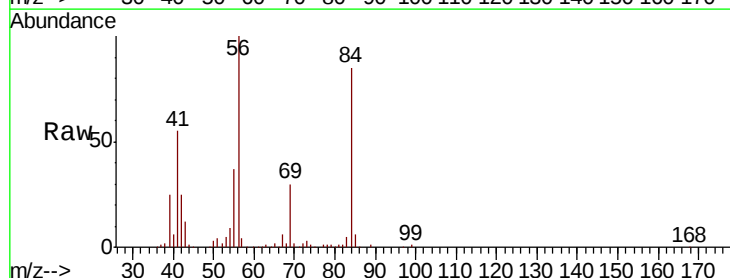
Manual Integrations
APPROVED

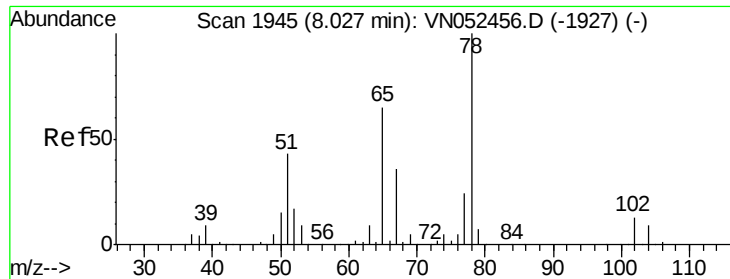
MMDadoda
12/4/2018 2:56:49 PM



#26
Cyclohexane
Concen: 18.877 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion	56	Resp	328711
Ion Ratio	Lower	Upper	
56	100		
89	0.0	0.5	0.7#
84	85.3	66.2	99.2





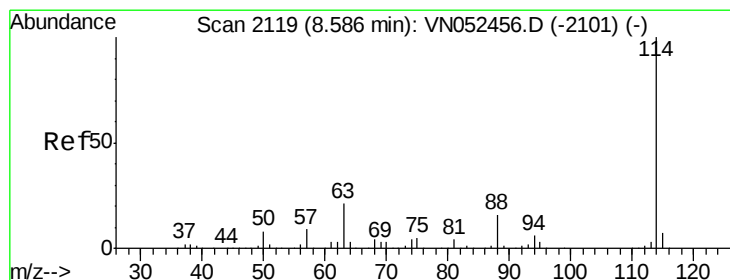
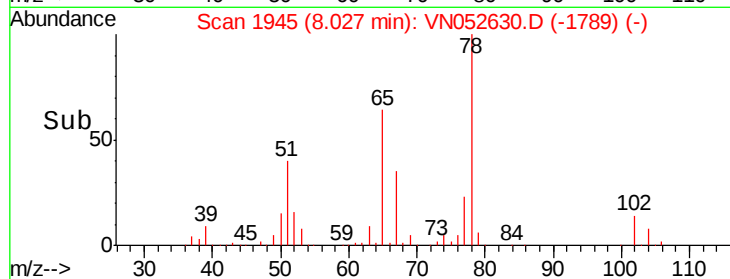
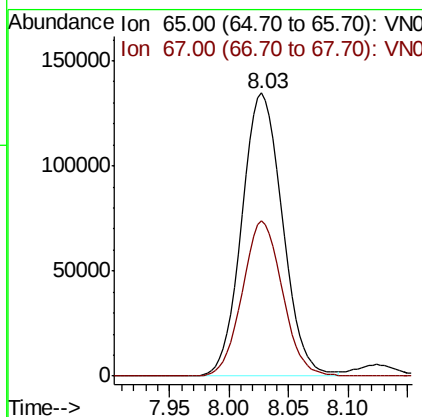
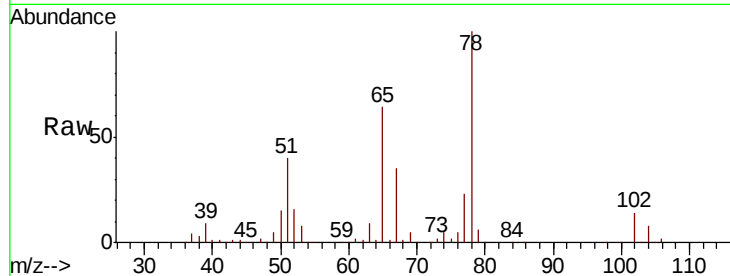
#27
 1,2-Dichloroethane-d4
 Concen: 18.877 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS02

Tot Ion: 65 Resp: 319877
 Ion Ratio Lower Upper
 65 100
 67 53.9 44.6 66.8

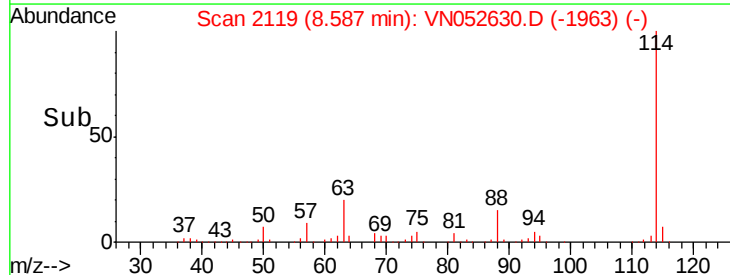
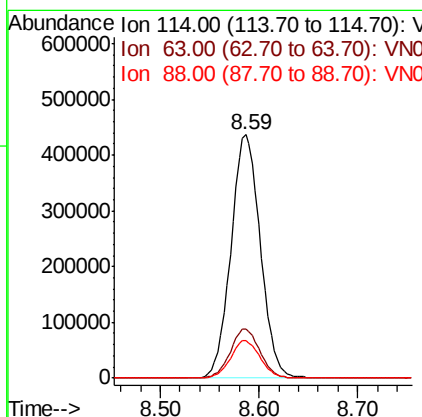
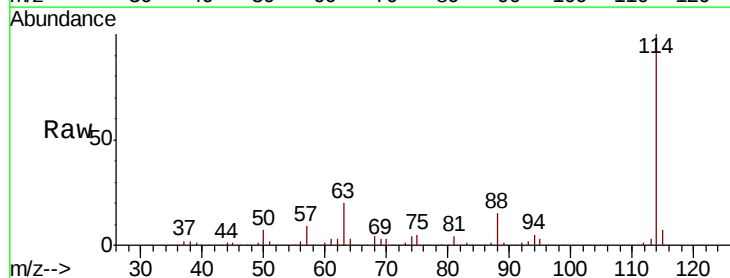
Manual Integrations
 APPROVED

MMDadoda
 12/4/2018 2:56:49 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Tgt Ion: 114 Resp: 906804
 Ion Ratio Lower Upper
 114 100
 63 20.4 16.9 25.3
 88 15.4 12.8 19.2





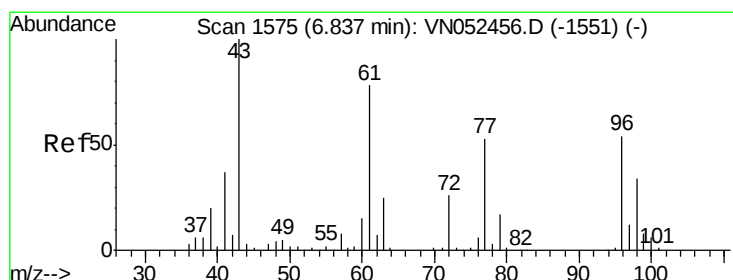
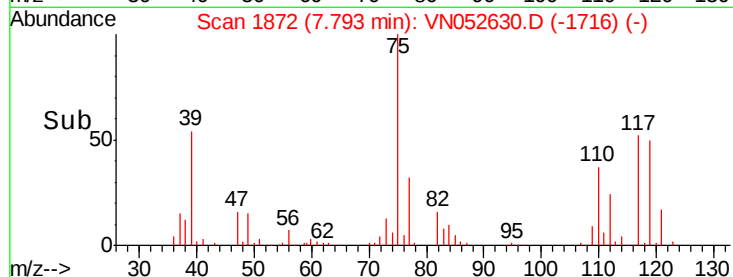
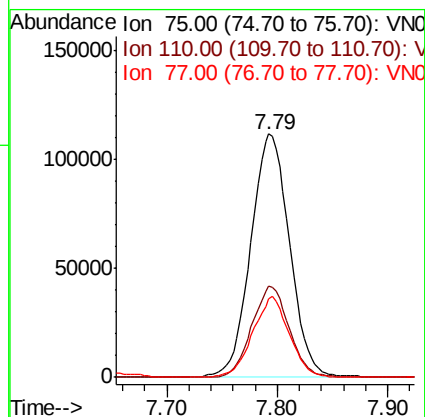
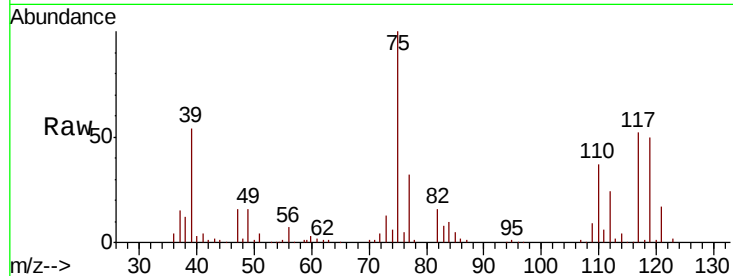
#29
 1,1-Dichloropropene
 Concen: 19.607 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS02

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.2	0.0	70.2
77	31.4	0.0	62.6

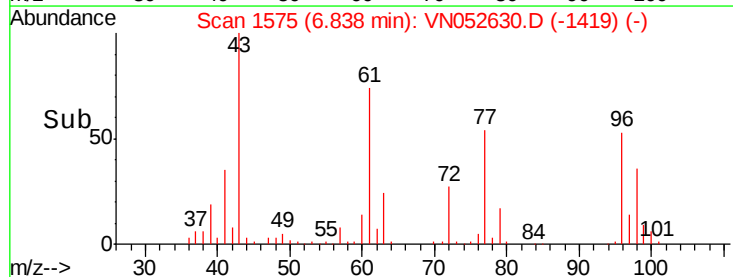
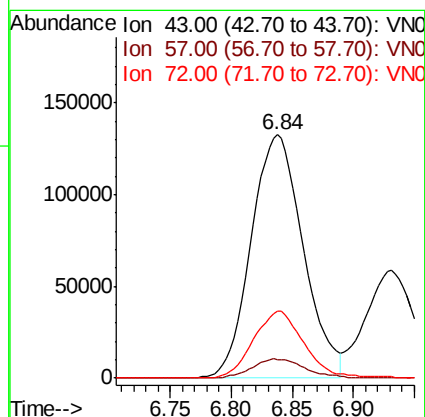
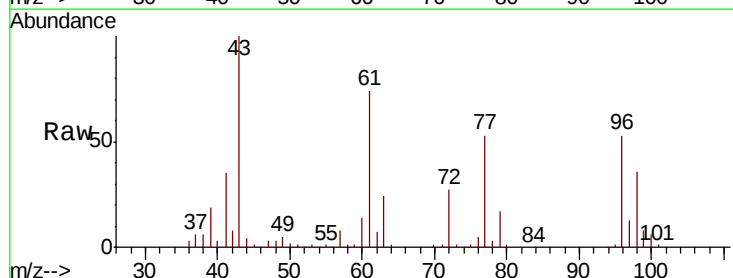
Manual Integrations
 APPROVED

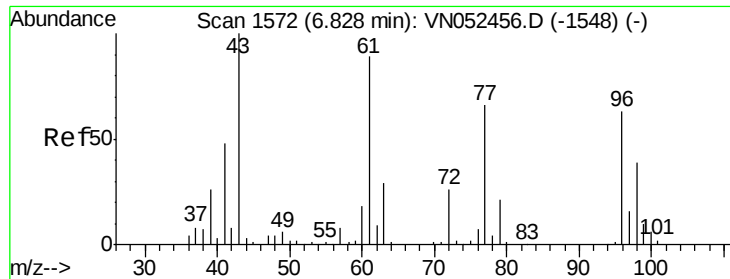
MMDadoda
 12/4/2018 2:56:49 PM



#30
 2-Butanone
 Concen: 105.339 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.1	6.2	9.4
72	26.9	21.0	31.6





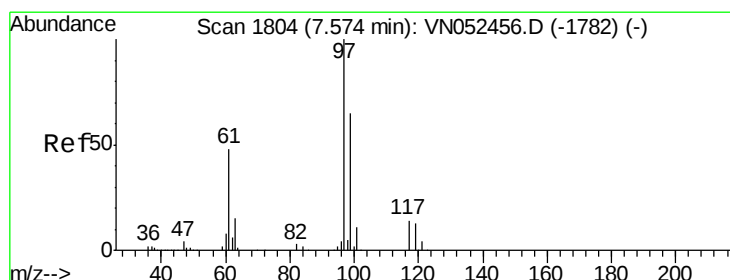
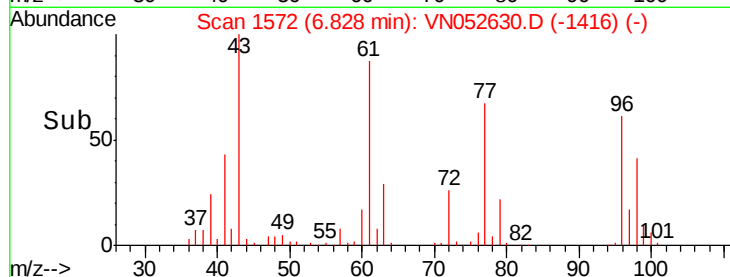
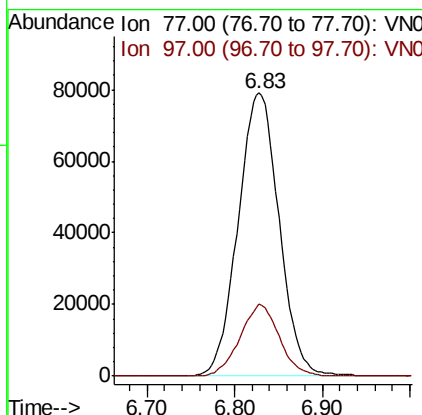
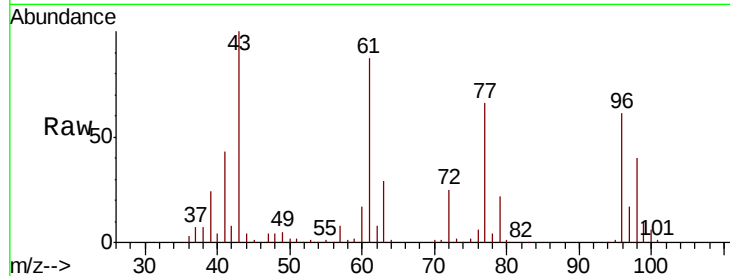
#31
 2,2-Dichloropropane
 Concen: 20.110 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS02

Tot Ion: 77 Resp: 256371
 Ion Ratio Lower Upper
 77 100
 97 24.5 18.7 28.1

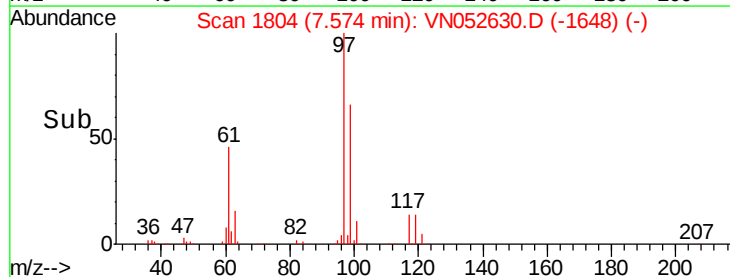
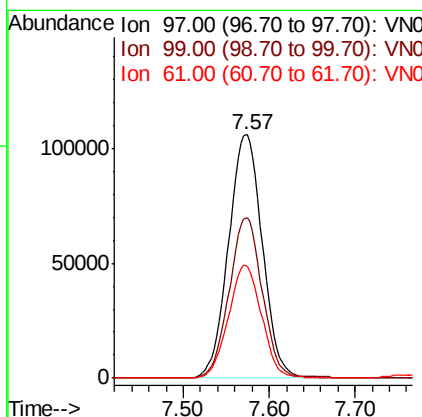
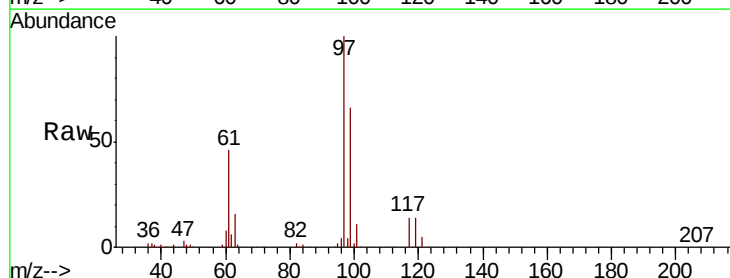
Manual Integrations
 APPROVED

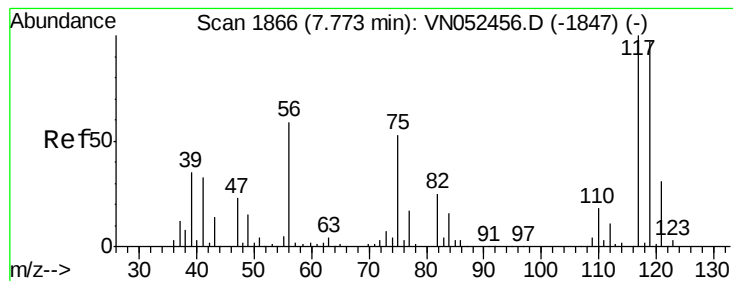
MMDadoda
 12/4/2018 2:56:49 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.149 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Tgt Ion: 97 Resp: 290324
 Ion Ratio Lower Upper
 97 100
 99 64.2 50.9 76.3
 61 45.3 38.1 57.1





#33

Carbon Tetrachloride

Concen: 20.001 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

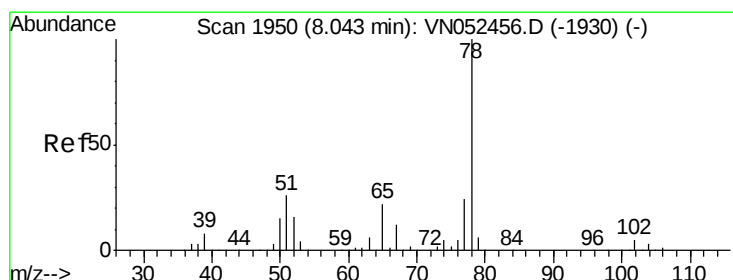
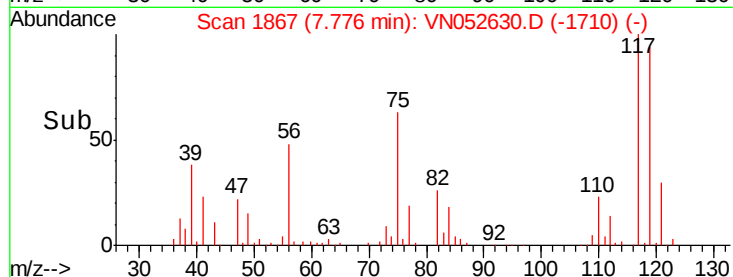
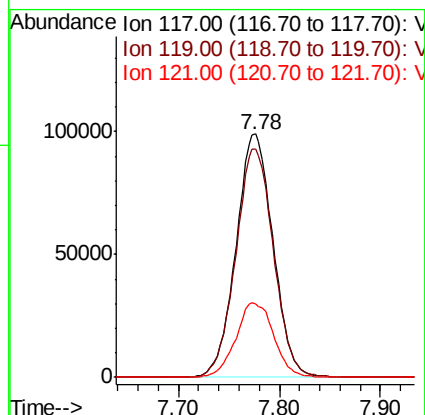
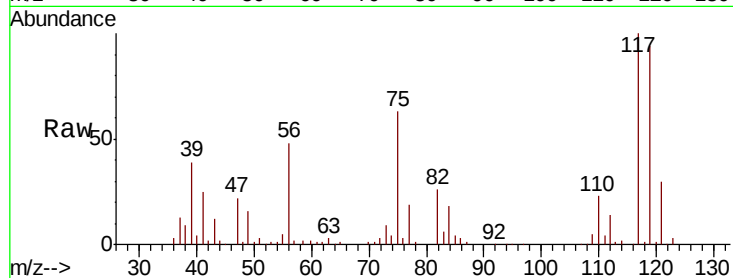
ClientSampleId :

VN1203WBS02

Tot Ion:	117	Resp:	252164
Ion Ratio	Lower	Upper	
117	100		
119	93.6	77.3	115.9
121	30.1	24.9	37.3

Manual Integrations
APPROVED

MMDadoda
12/4/2018 2:56:49 PM



#34

Benzene

Concen: 19.818 ug/l

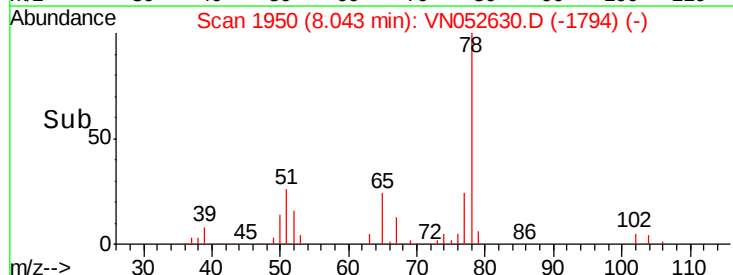
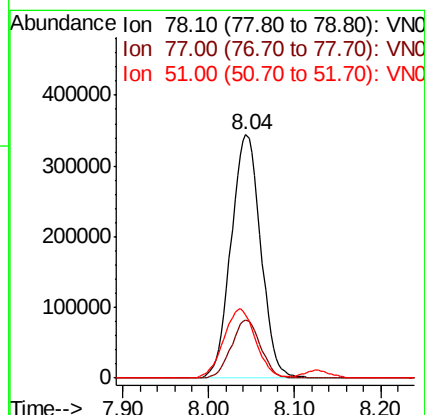
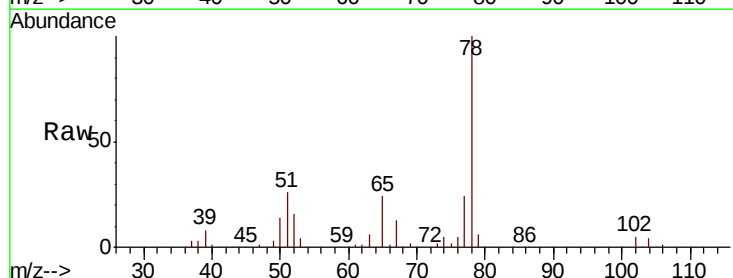
RT: 8.04 min Scan# 1950

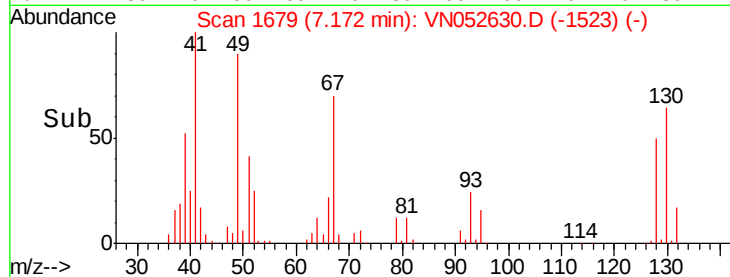
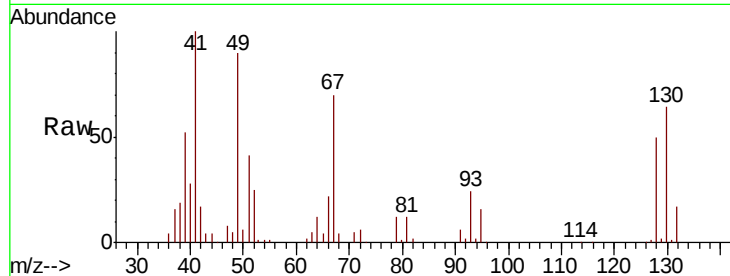
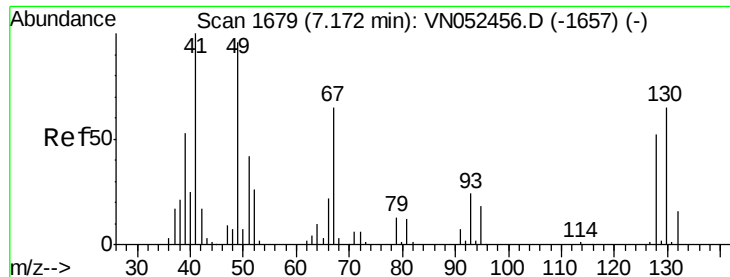
Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Tgt Ion:	78	Resp:	825098
Ion Ratio	Lower	Upper	
78	100		
77	23.9	19.0	28.6
51	25.6	20.5	30.7





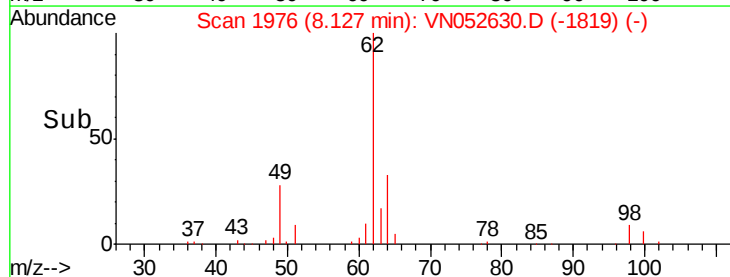
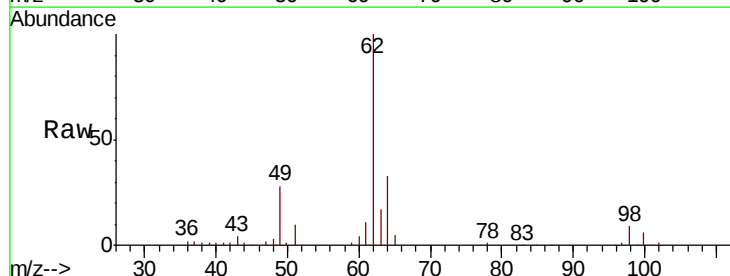
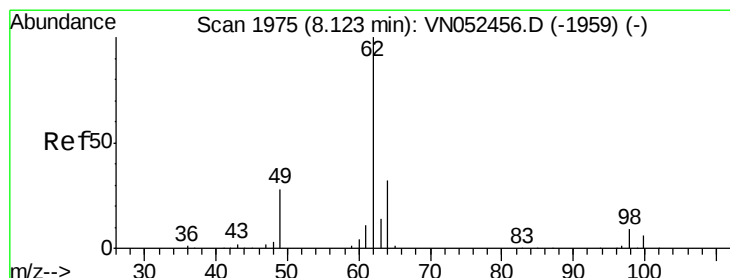
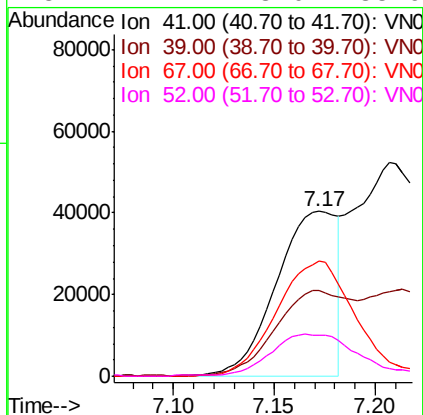
#35
Methacrylonitrile
Concen: 18.457 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tot Ion	41	Resp	84854
Ion Ratio	Lower	Upper	
41	100		
39	51.6	26.6	79.7
67	69.9	32.3	96.9
52	24.4	13.0	38.9

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

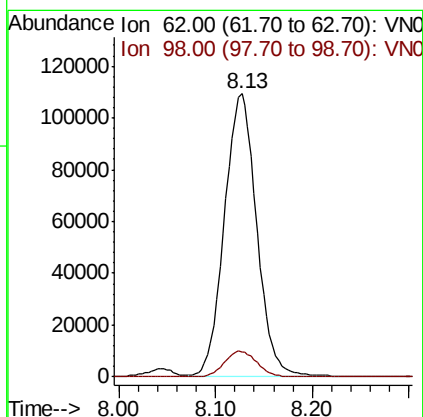
Manual Integrations
APPROVED

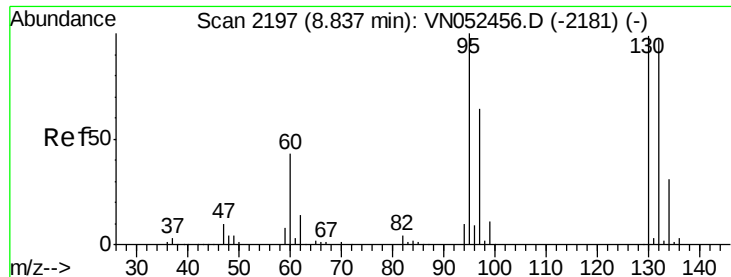
MMDadoda
12/4/2018 2:56:49 PM



#36
1,2-Dichloroethane
Concen: 20.101 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion	62	Resp	253604
Ion Ratio	Lower	Upper	
62	100		
98	9.2	7.4	11.2





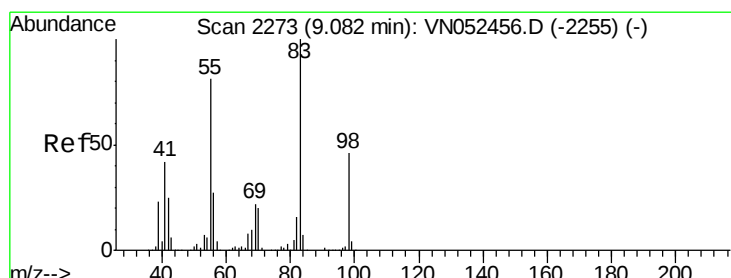
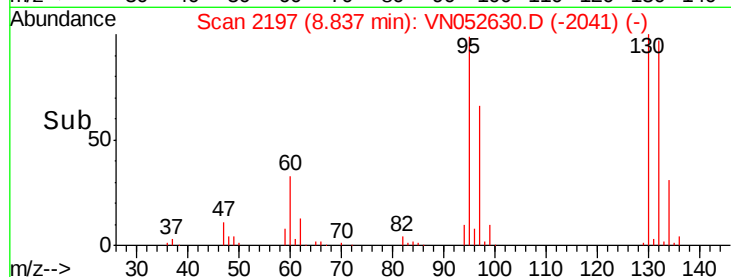
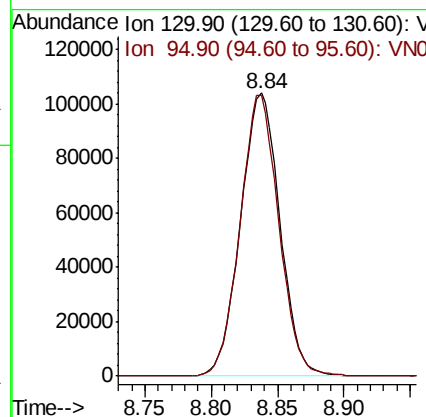
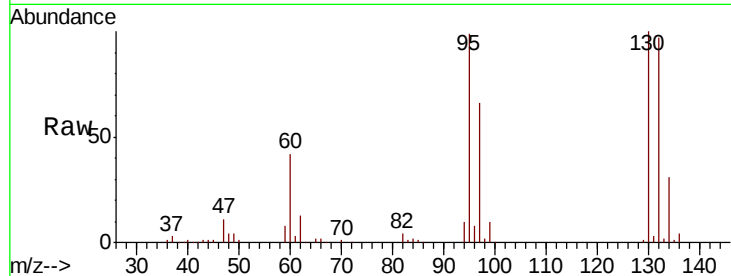
#37
 Trichloroethene
 Concen: 20.331 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS02

Tot Ion:130 Resp: 214643
 Ion Ratio Lower Upper
 130 100
 95 99.3 81.0 121.4

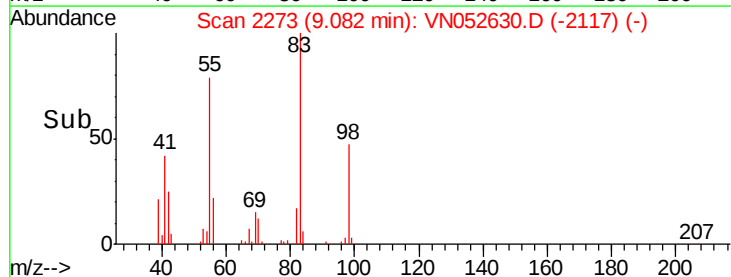
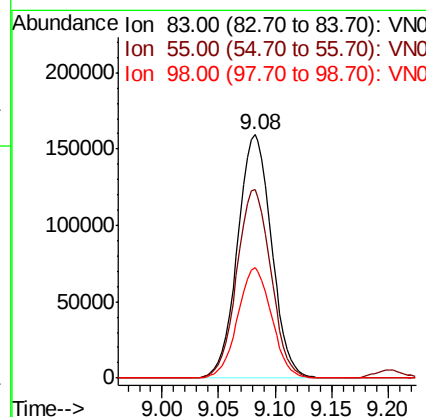
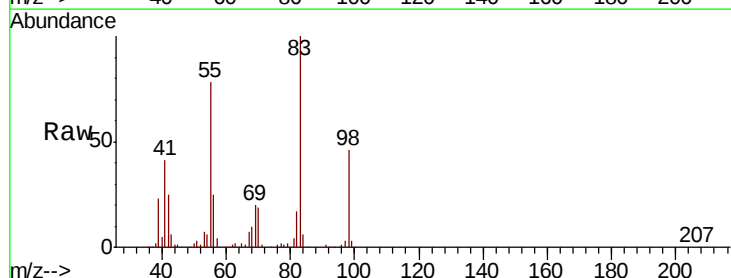
Manual Integrations
 APPROVED

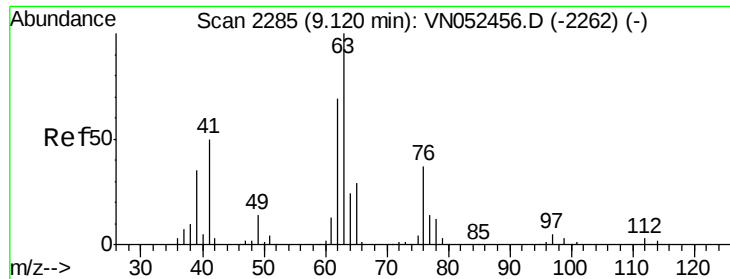
MMDadoda
 12/4/2018 2:56:49 PM



#38
 Methylcyclohexane
 Concen: 19.468 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Tgt Ion: 83 Resp: 333719
 Ion Ratio Lower Upper
 83 100
 55 77.8 39.8 119.4
 98 45.3 22.9 68.5





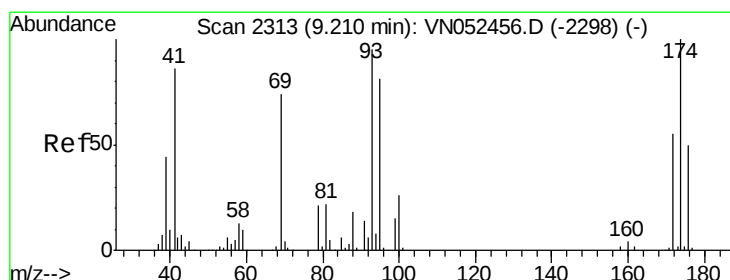
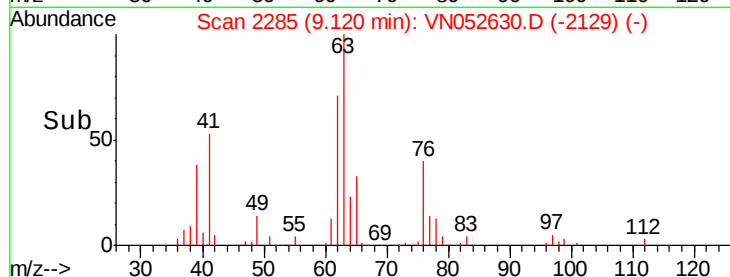
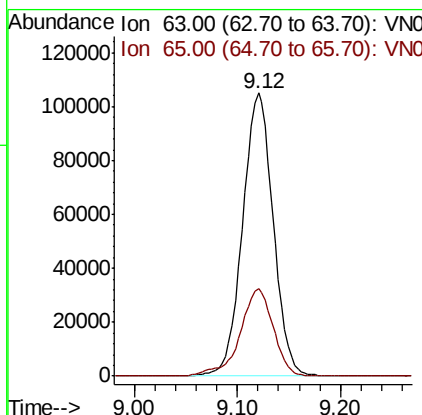
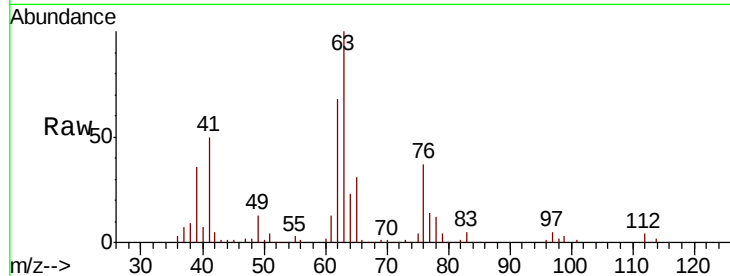
#39
 1,2-Dichloropropane
 Concen: 19.402 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS02

Tot Ion: 63 Resp: 216527
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.6 35.4

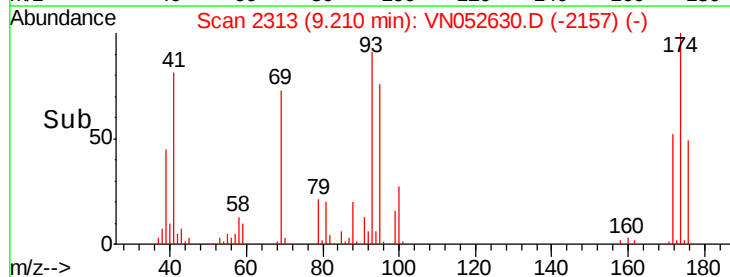
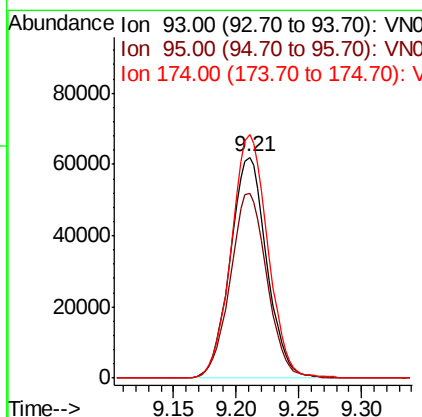
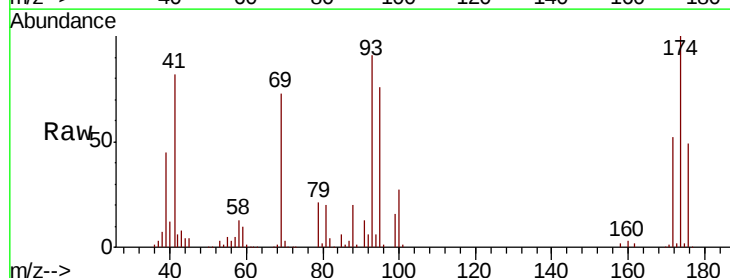
Manual Integrations
 APPROVED

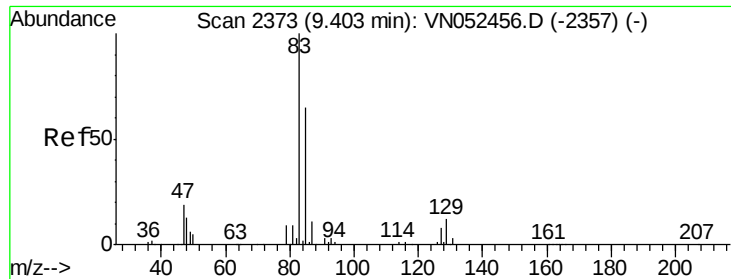
MMDadoda
 12/4/2018 2:56:49 PM



#40
 Dibromomethane
 Concen: 20.802 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Tgt Ion: 93 Resp: 125458
 Ion Ratio Lower Upper
 93 100
 95 83.9 0.0 168.4
 174 110.7 0.0 210.0





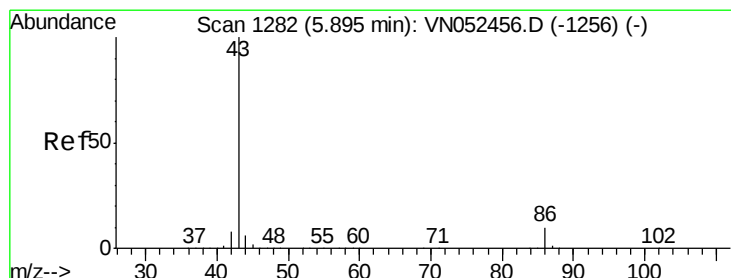
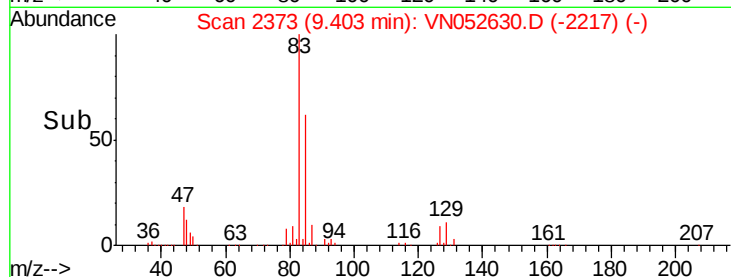
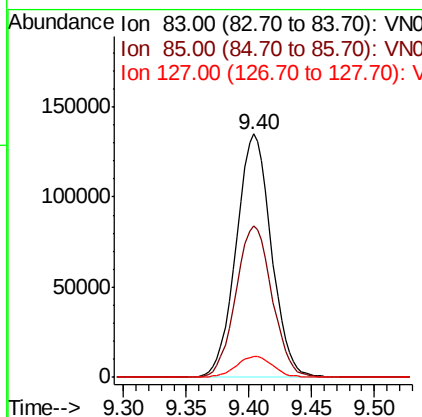
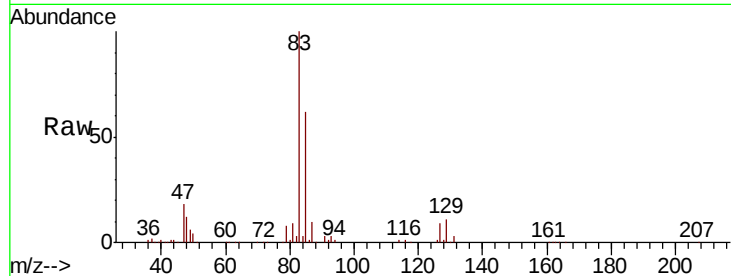
#41
Bromodichloromethane
Concen: 19.721 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

Tot Ion	83	Resp	262769
Ion Ratio	100	Lower	Upper
83	100		
85	62.0	52.4	78.6
127	8.6	6.6	9.8

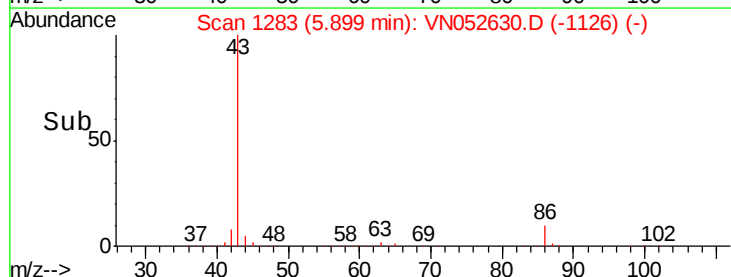
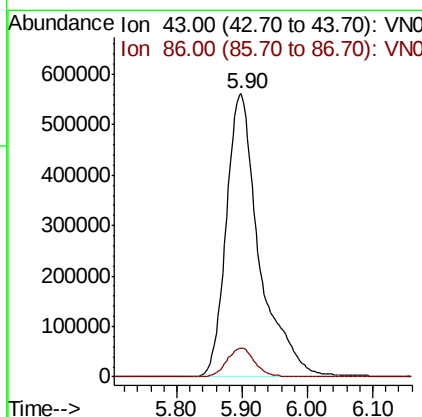
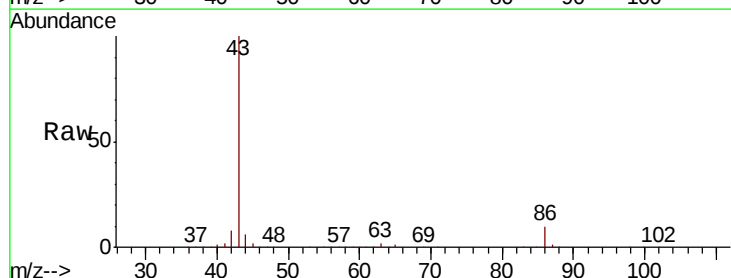
Manual Integrations
APPROVED

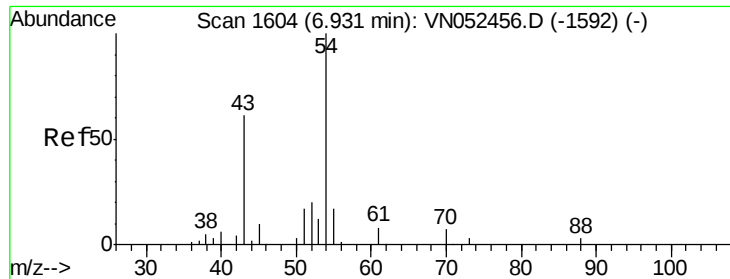
MMDadoda
12/4/2018 2:56:49 PM



#42
Vinyl Acetate
Concen: 98.348 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion	43	Resp	1971756
Ion Ratio	100	Lower	Upper
43	100		
86	8.7	6.5	9.7





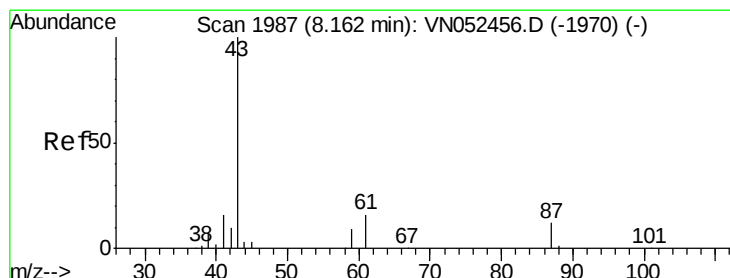
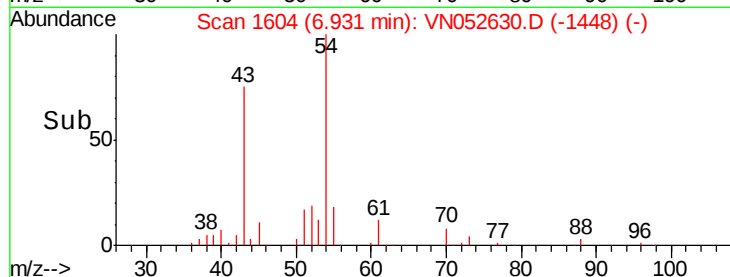
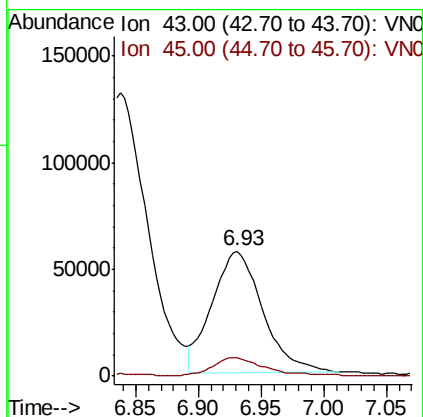
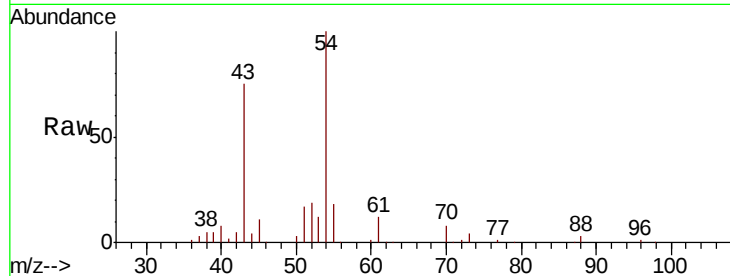
#43
Ethyl Acetate
Concen: 20.427 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

Tot Ion: 43 Resp: 160953
Ion Ratio Lower Upper
43 100
45 13.3 1.0 1.6#

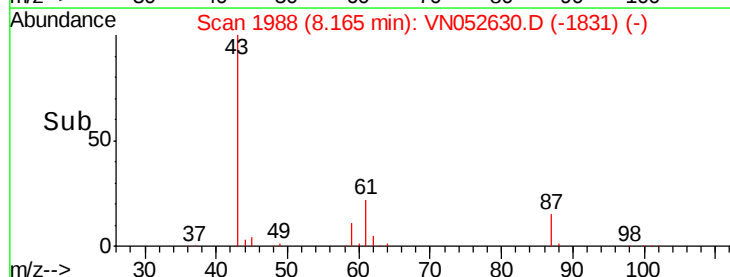
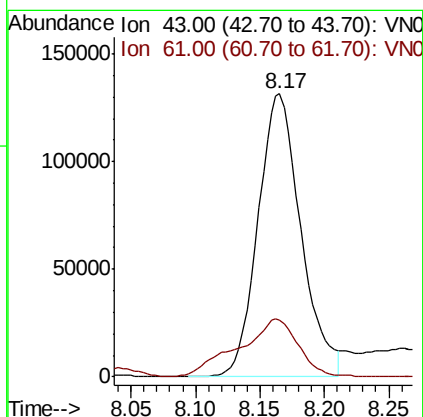
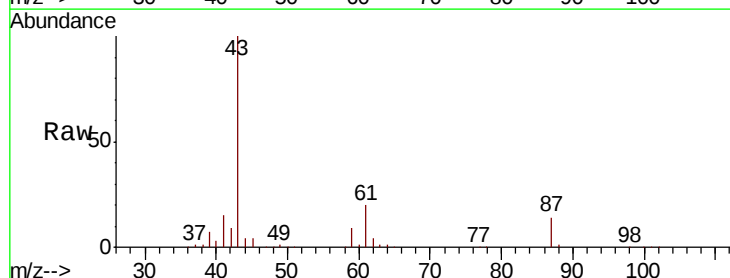
Manual Integrations
APPROVED

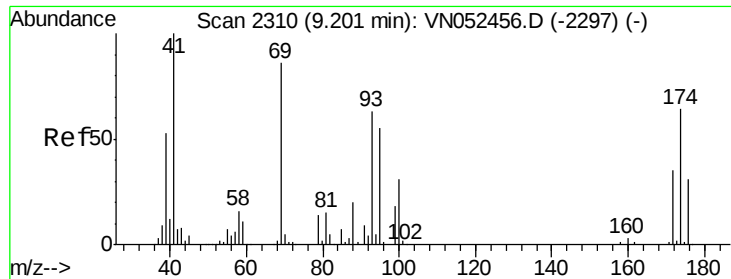
MMDadoda
12/4/2018 2:56:49 PM



#44
Isopropyl Acetate
Concen: 21.939 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion: 43 Resp: 303163
Ion Ratio Lower Upper
43 100
61 27.5 16.0 24.0#





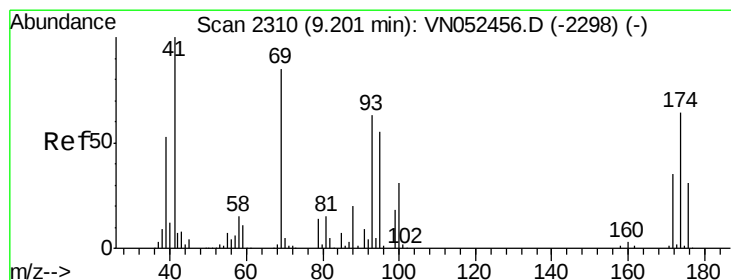
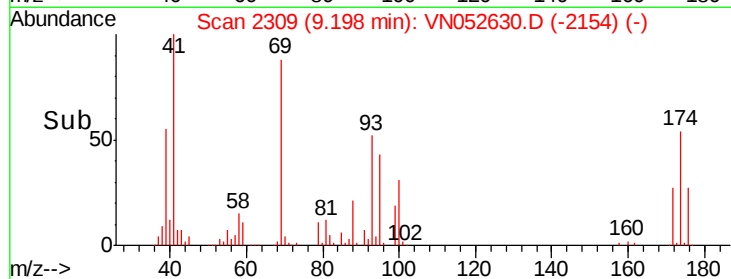
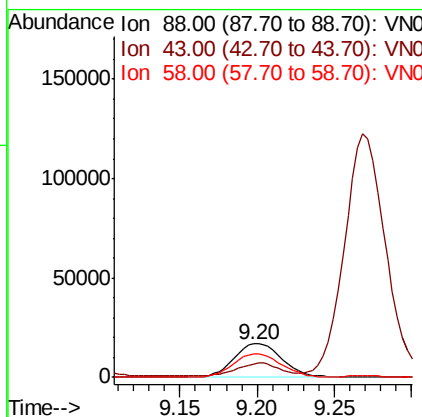
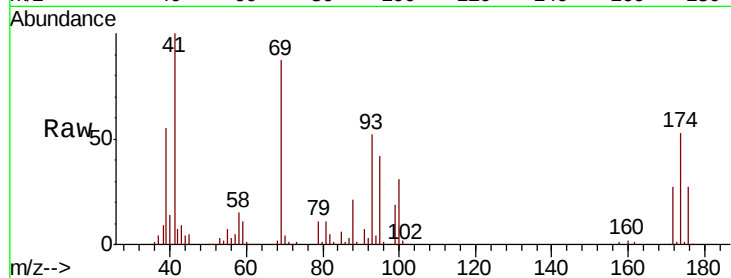
#45
1,4-Dioxane
Concen: 488.101 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.5	29.5	44.3
58	69.8	61.5	92.3

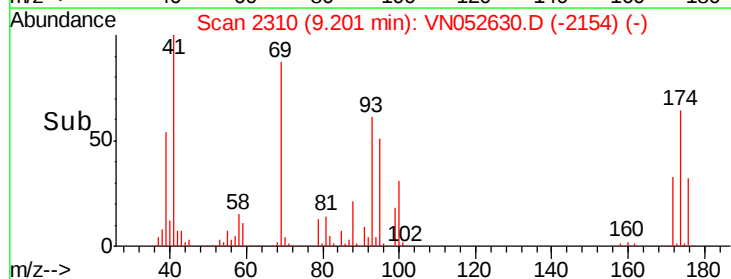
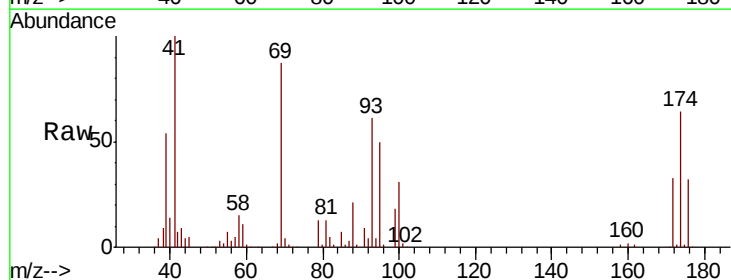
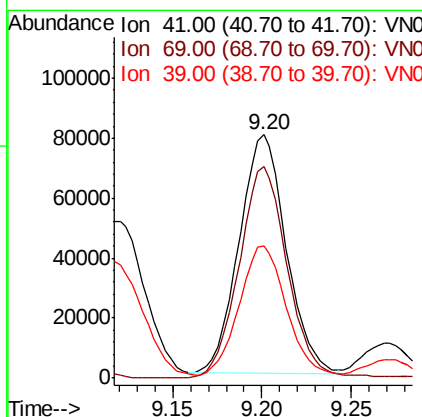
Manual Integrations
APPROVED

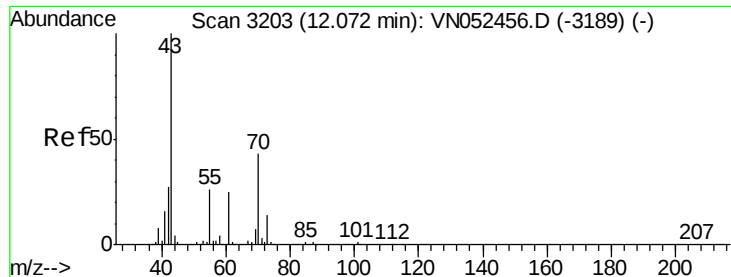
MMDadoda
12/4/2018 2:56:49 PM



#46
Methyl methacrylate
Concen: 20.414 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.8	42.5	127.6
39	54.0	26.3	78.9





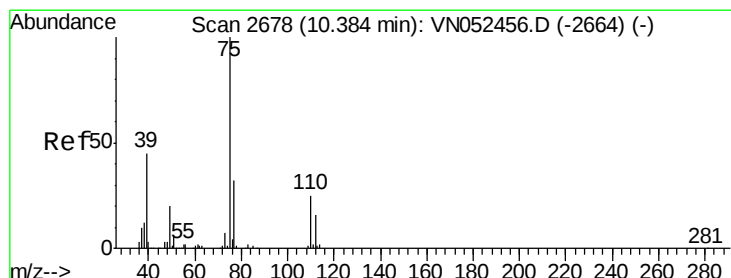
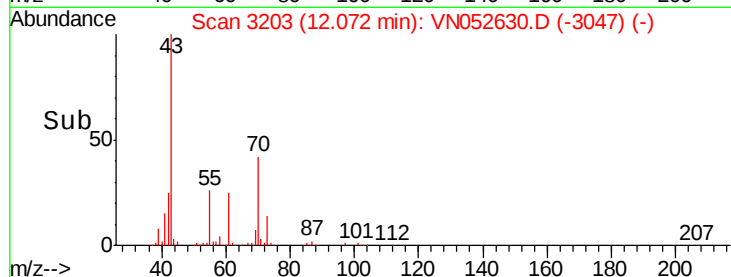
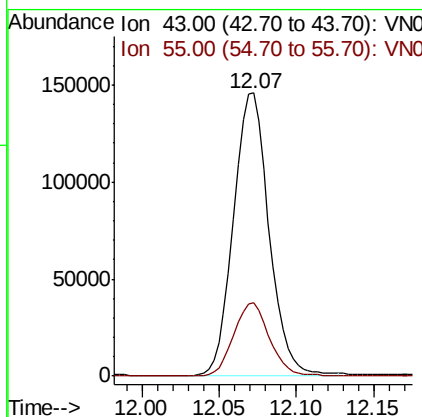
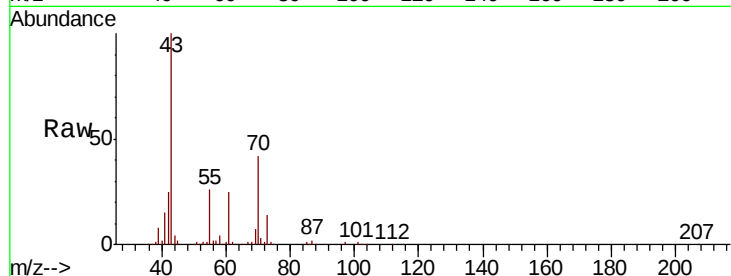
#47
n-amyl Acetate
Concen: 20.206 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

Tot Ion	43	Resp	231511
Ion Ratio	100	Lower	Upper
43	100		
55	26.5	21.1	31.7

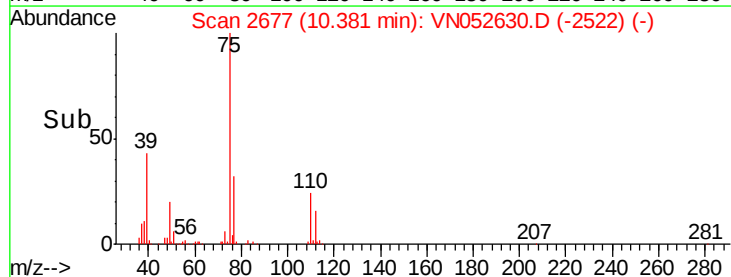
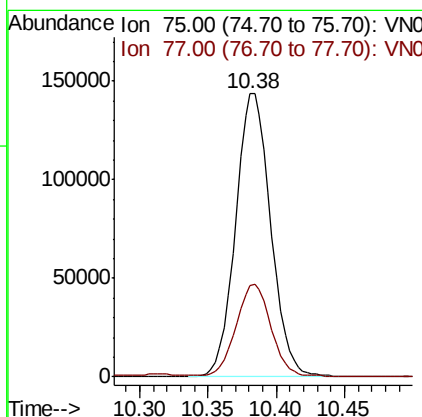
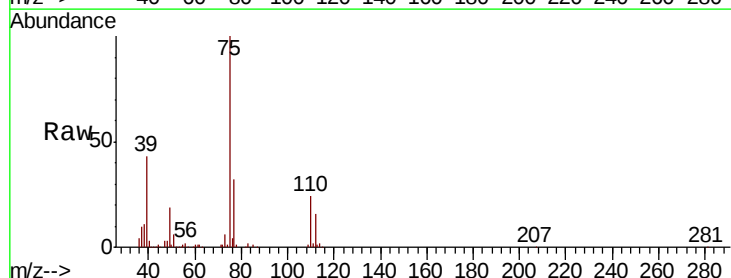
Manual Integrations
APPROVED

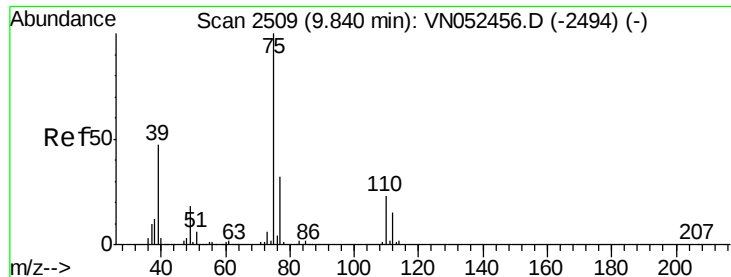
MMDadoda
12/4/2018 2:56:49 PM



#48
t-1,3-Dichloropropene
Concen: 19.892 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion	75	Resp	256995
Ion Ratio	100	Lower	Upper
75	100		
77	32.2	25.6	38.4





#49

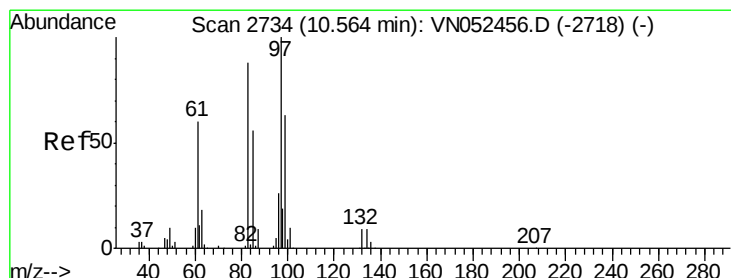
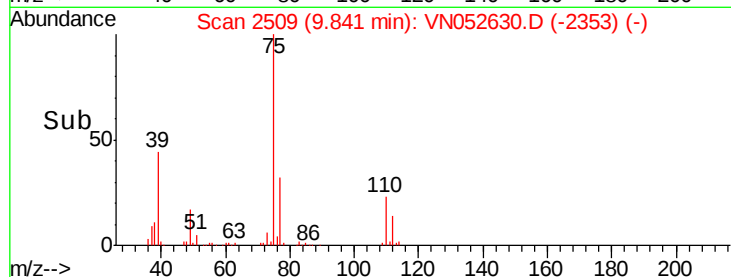
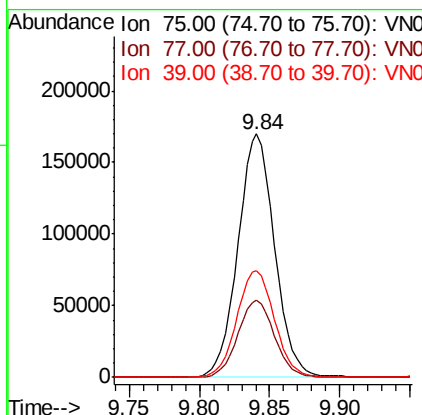
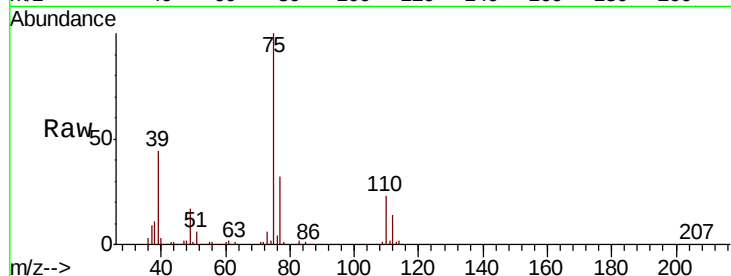
cis-1,3-Dichloropropene
 Concen: 19.650 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	43.9	37.3	55.9

Manual Integrations
 APPROVED

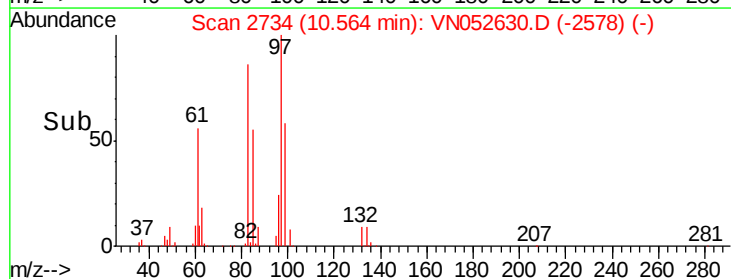
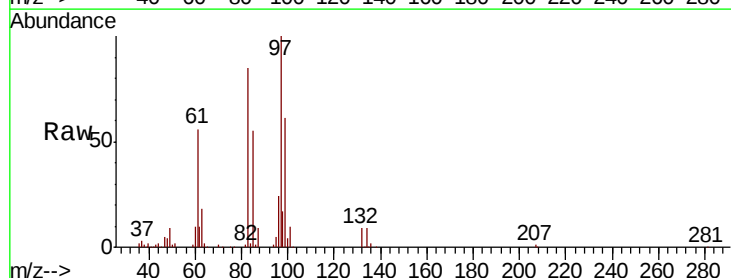
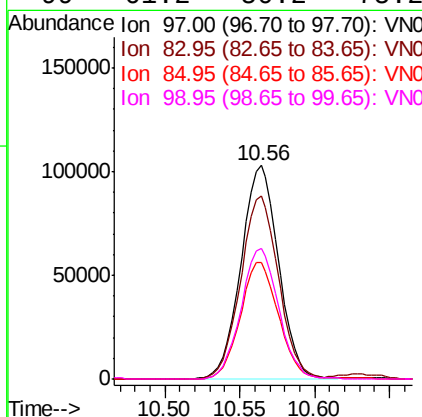
MMDadoda
 12/4/2018 2:56:49 PM

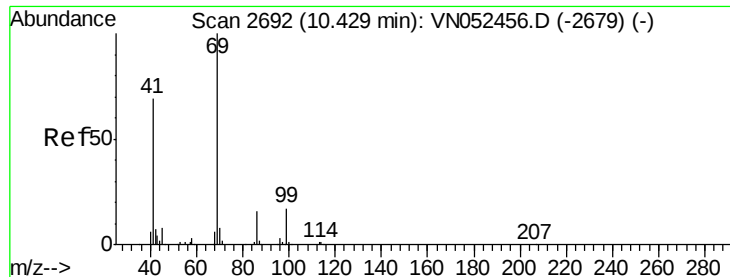


#50

1,1,2-Trichloroethane
 Concen: 21.031 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.5	70.4	105.6
85	54.8	45.0	67.6
99	61.2	50.2	75.2





#51

Ethyl methacrylate

Concen: 20.595 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

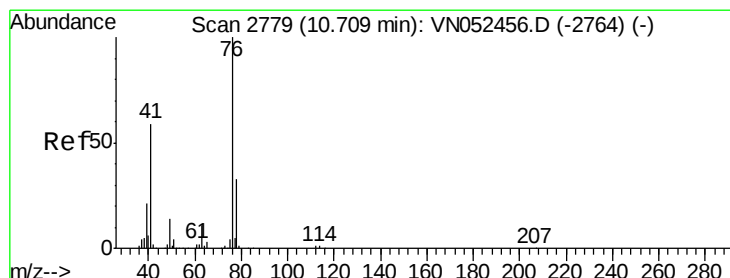
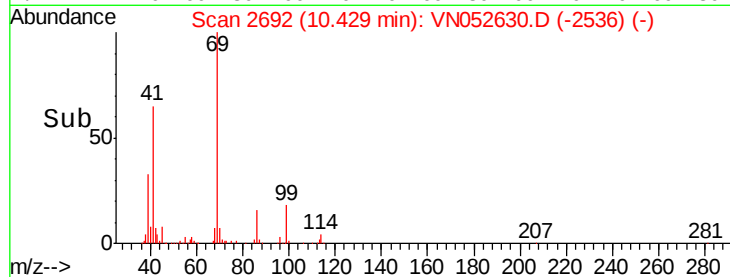
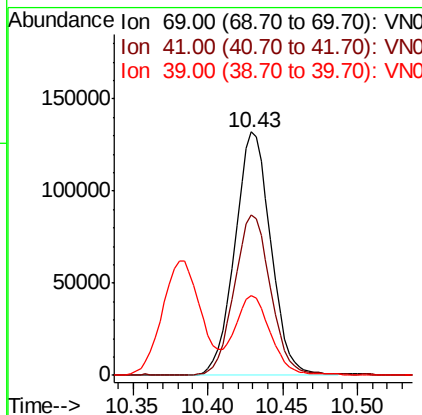
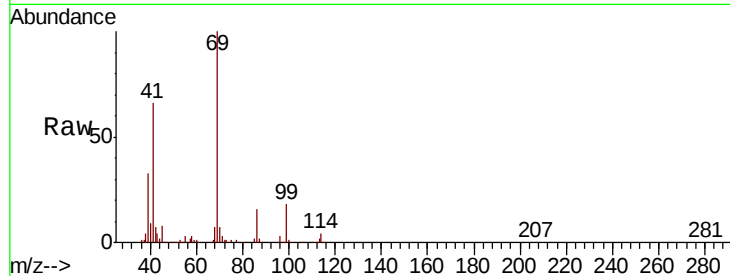
ClientSampleId :

VN1203WBS02

Tot Ion:	69	Resp:	221128
Ion	Ratio	Lower	Upper
69	100		
41	65.5	34.4	103.3
39	32.4	16.4	49.2

Manual Integrations
APPROVED

MMDadoda
12/4/2018 2:56:49 PM



#52

1,3-Dichloropropane

Concen: 20.284 ug/l

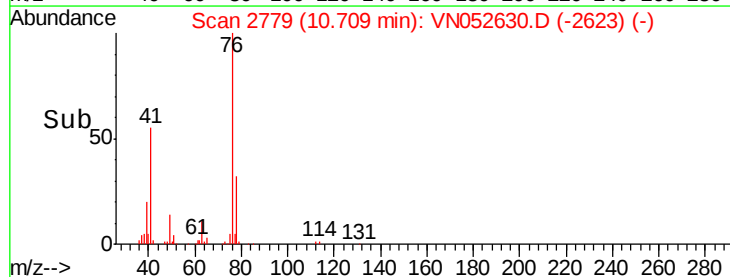
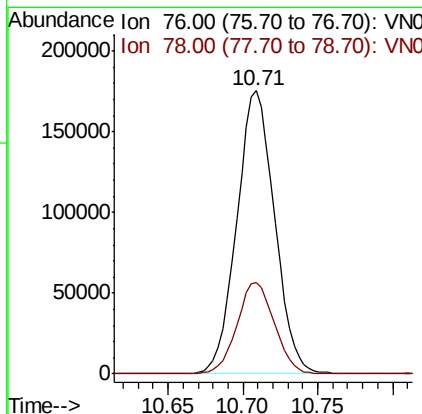
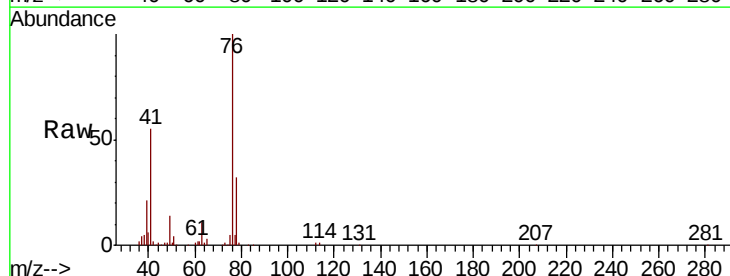
RT: 10.71 min Scan# 2779

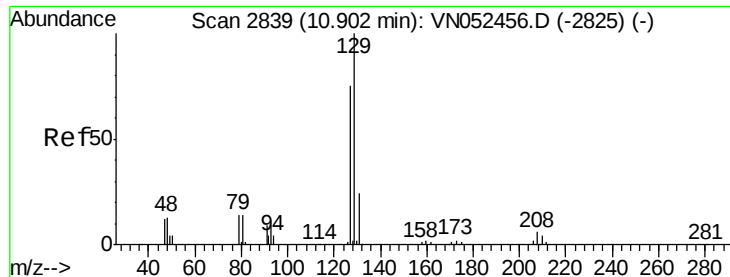
Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Tgt Ion:	76	Resp:	308658
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	64.8





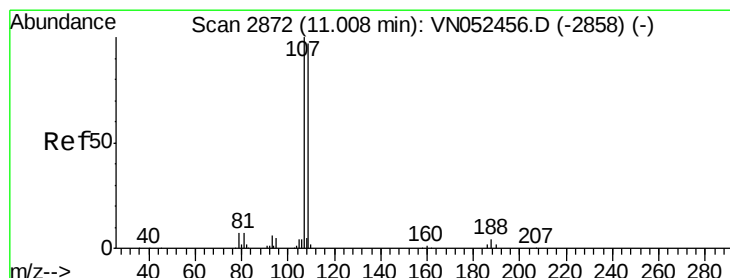
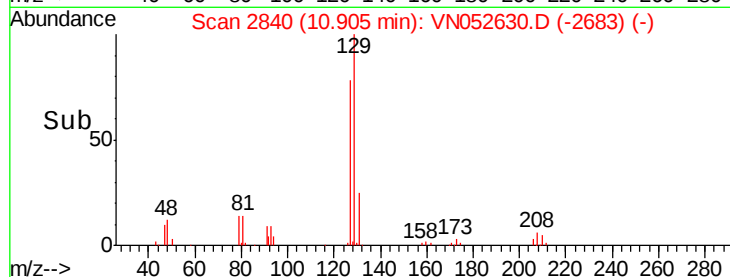
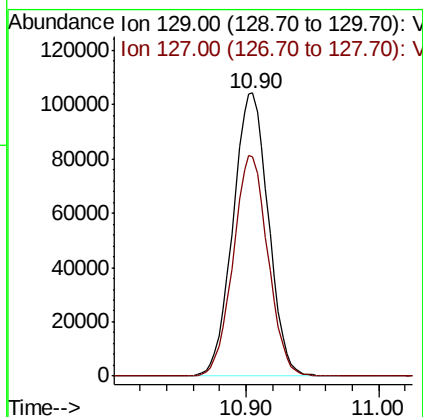
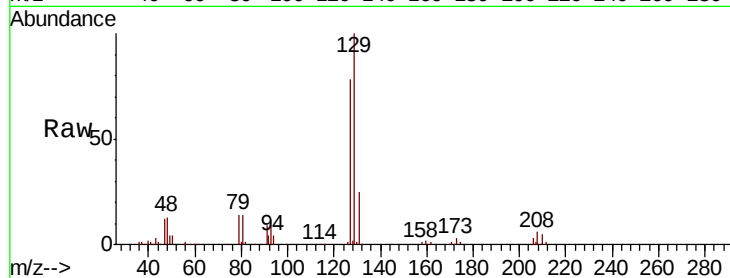
#53
Dibromochloromethane
Concen: 20.534 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

Tot Ion:129 Resp: 193267
Ion Ratio Lower Upper
129 100
127 76.3 37.6 112.8

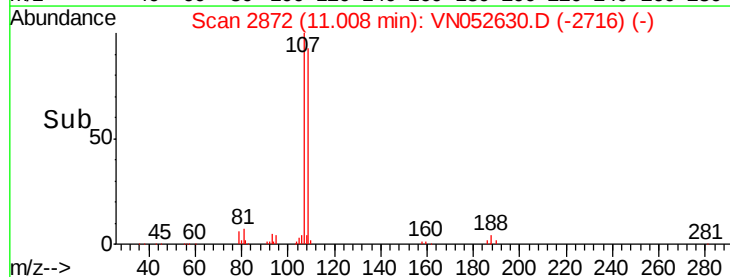
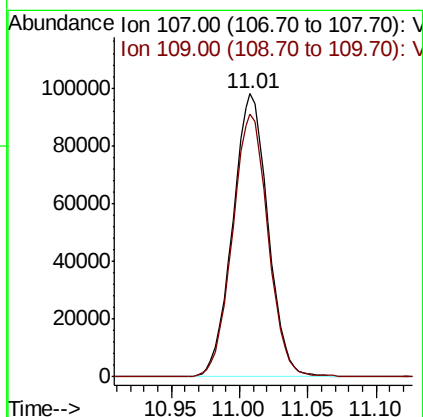
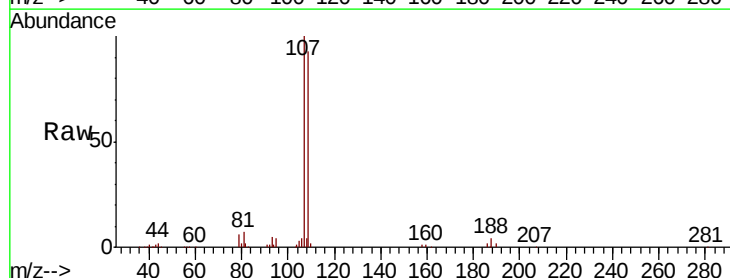
Manual Integrations
APPROVED

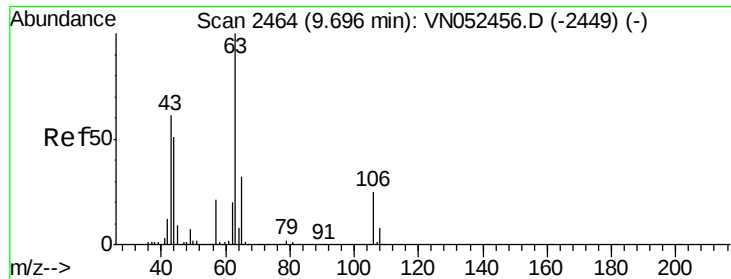
MMDadoda
12/4/2018 2:56:49 PM



#54
1,2-Dibromoethane
Concen: 21.091 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion:107 Resp: 176187
Ion Ratio Lower Upper
107 100
109 93.7 77.1 115.7





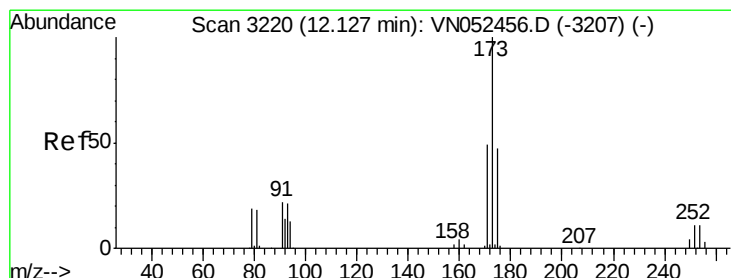
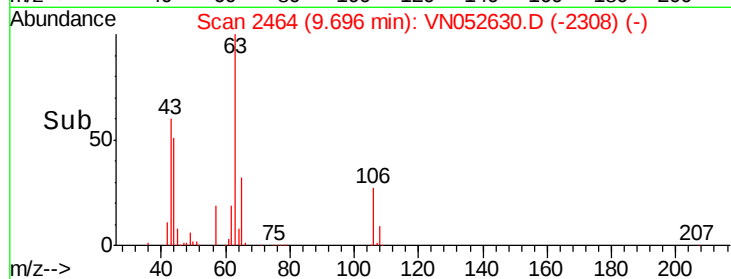
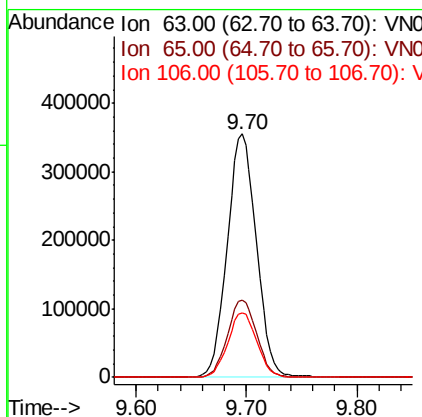
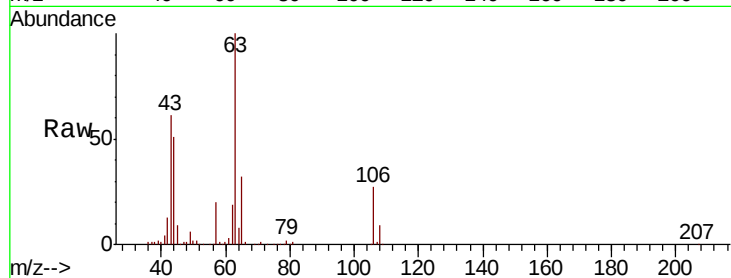
#55
2-Chloroethyl vinyl ether
Concen: 103.744 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

Tot Ion:	63	Resp:	652020
Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.4	38.2
106	26.3	20.4	30.6

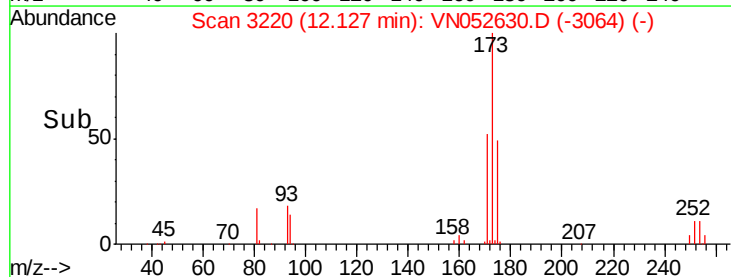
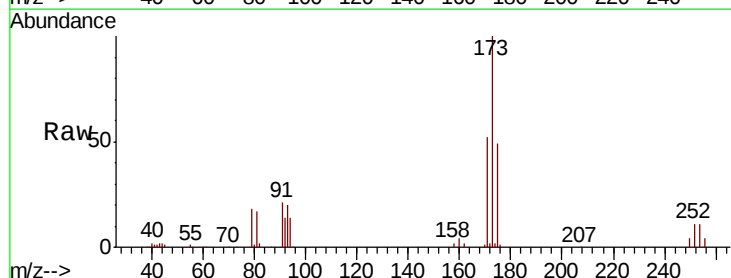
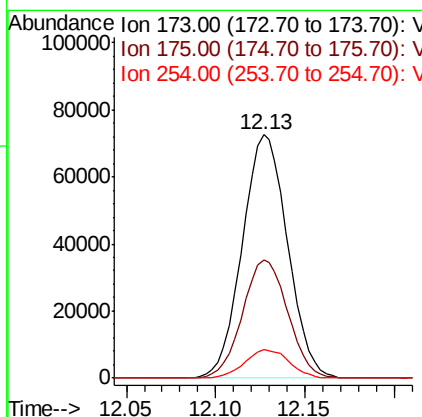
Manual Integrations
APPROVED

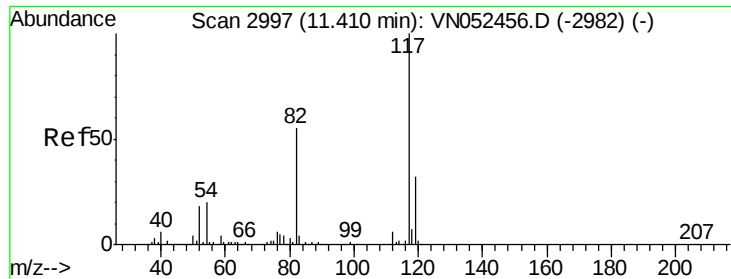
MMDadoda
12/4/2018 2:56:49 PM



#56
Bromoform
Concen: 20.957 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion:	173	Resp:	128930
Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.7	58.1
254	11.5	8.4	12.6





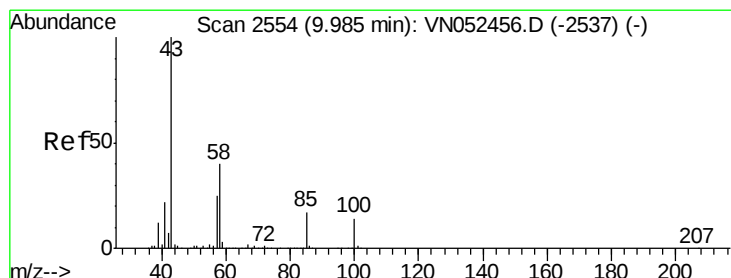
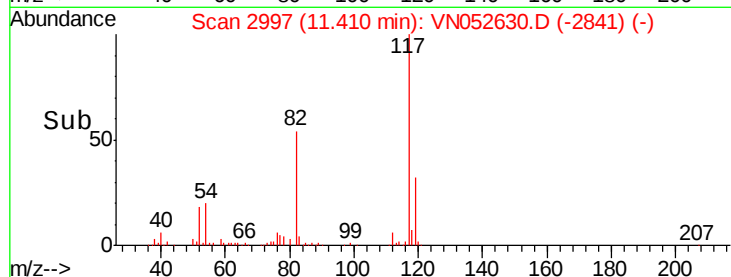
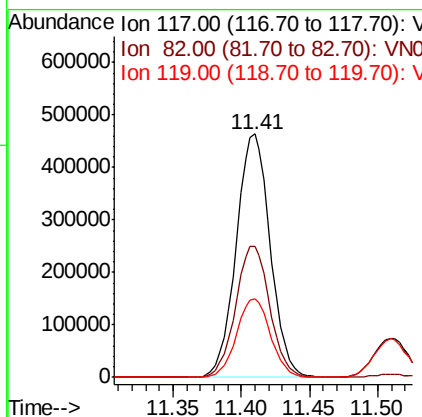
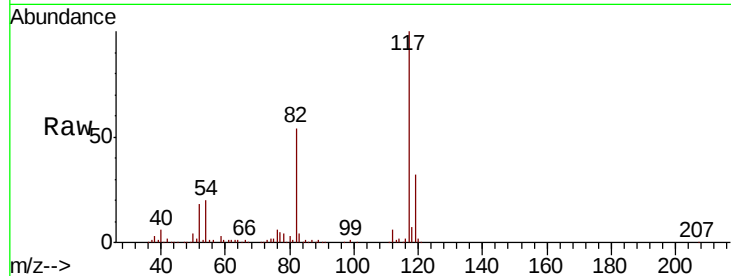
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.2	66.2
119	32.2	25.4	38.2

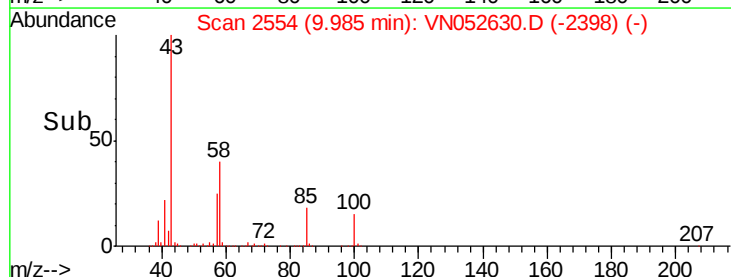
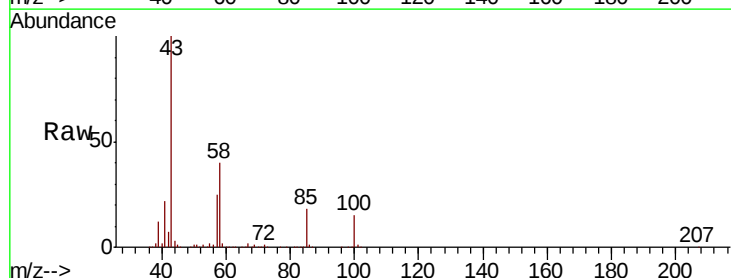
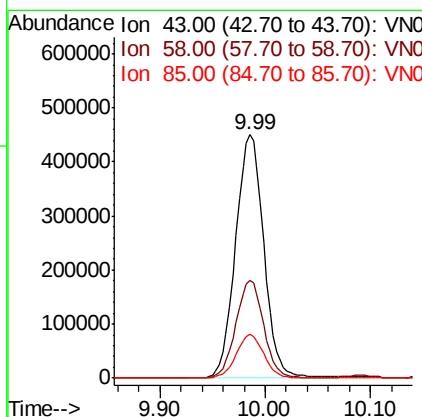
Manual Integrations
APPROVED

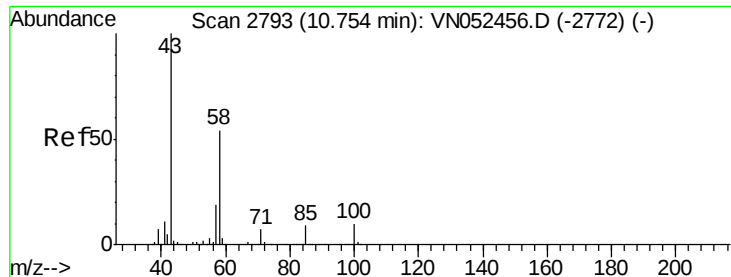
MMDadoda
12/4/2018 2:56:49 PM



#58
4-Methyl-2-Pentanone
Concen: 107.201 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.6	47.4
85	17.6	13.3	19.9





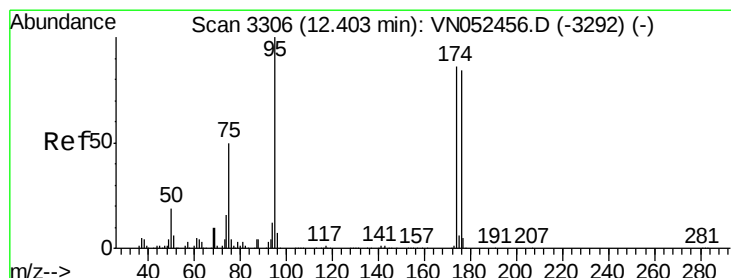
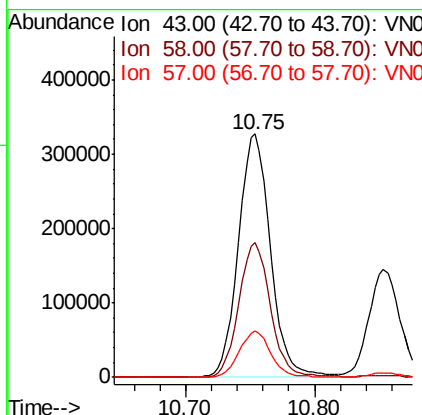
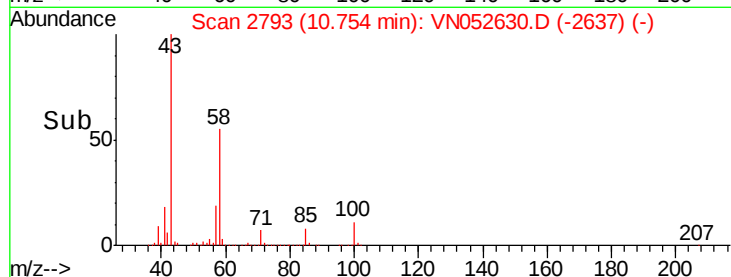
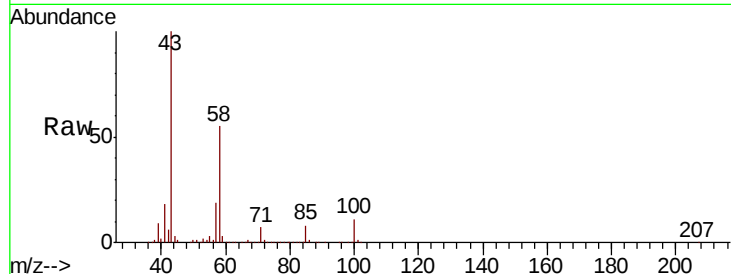
#59
2-Hexanone
Concen: 106.375 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.2	43.2	64.8
57	18.7	14.9	22.3

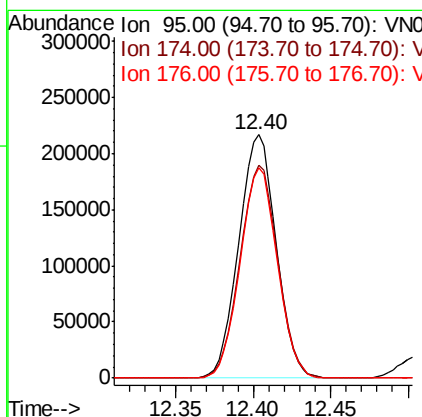
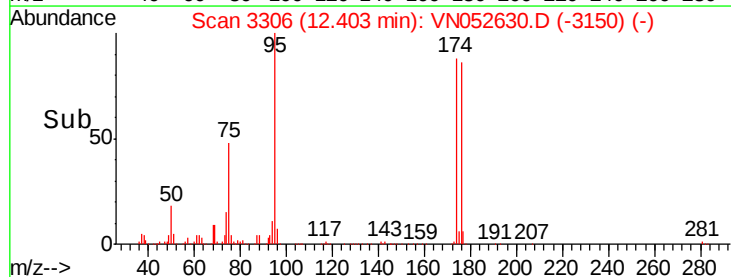
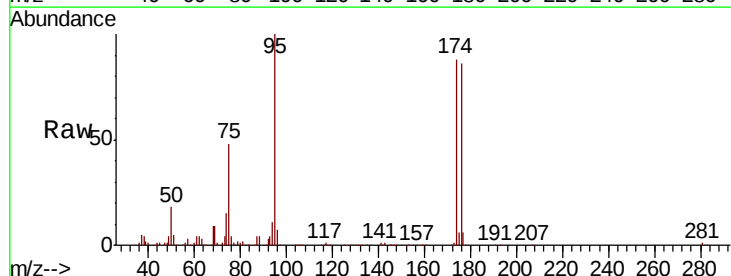
Manual Integrations
APPROVED

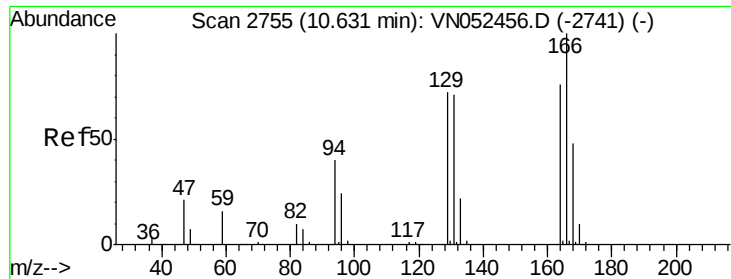
MMDadoda
12/4/2018 2:56:49 PM



#60
4-Bromofluorobenzene
Concen: 106.375 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.6	67.9	101.9
176	86.0	66.4	99.6





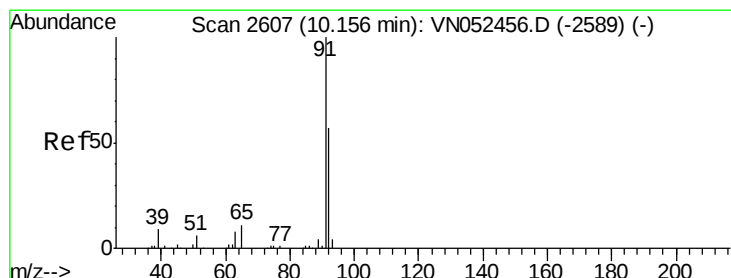
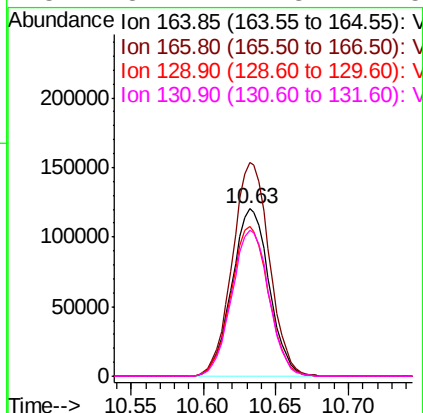
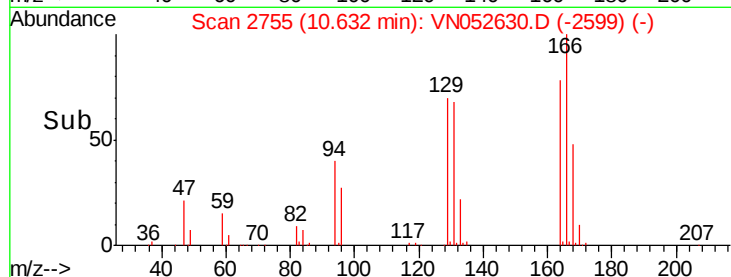
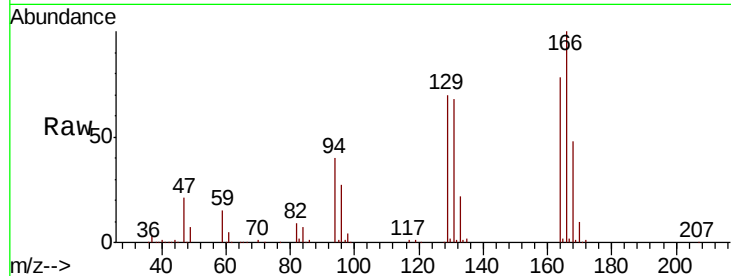
#61
Tetrachloroethene
Concen: 21.779 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.6	104.6	157.0
129	89.8	75.3	112.9
131	87.2	74.3	111.5

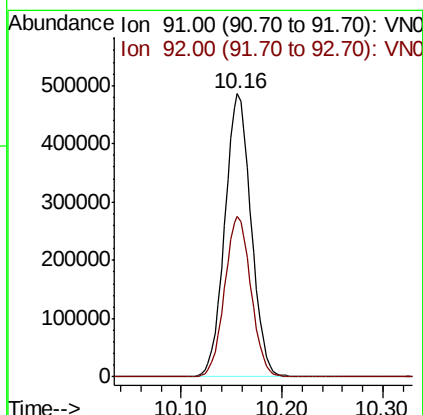
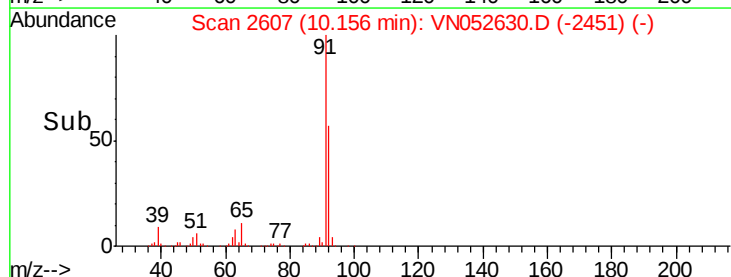
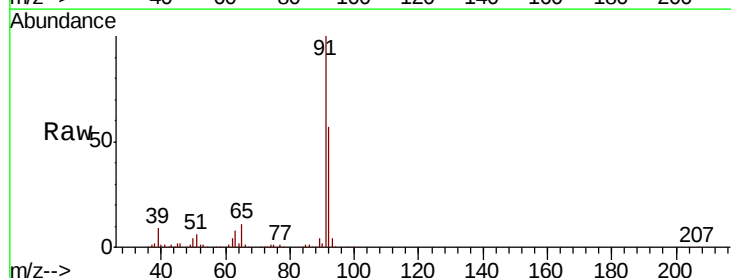
Manual Integrations
APPROVED

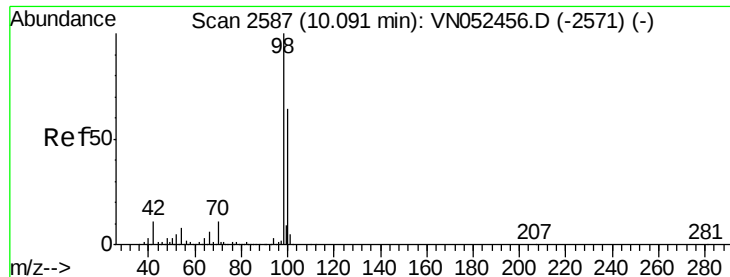
MMDadoda
12/4/2018 2:56:49 PM



#62
Toluene
Concen: 20.033 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.8	45.4	68.2





#63

Toluene-d8

Concen: 20.033 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBS02

Tot Ion: 98 Resp: 1094588

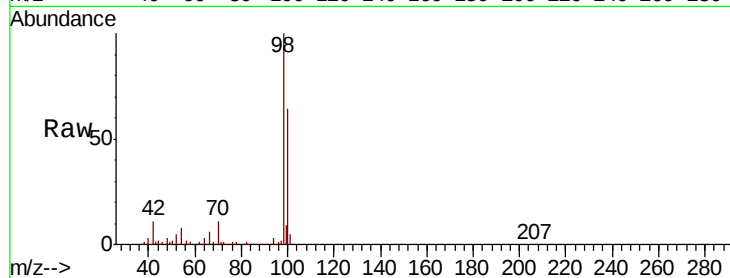
Ion Ratio Lower Upper

98 100

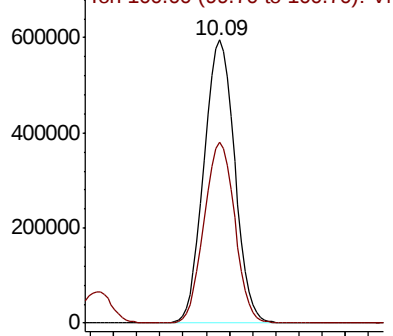
100 63.6 51.1 76.7

Manual Integrations
APPROVED

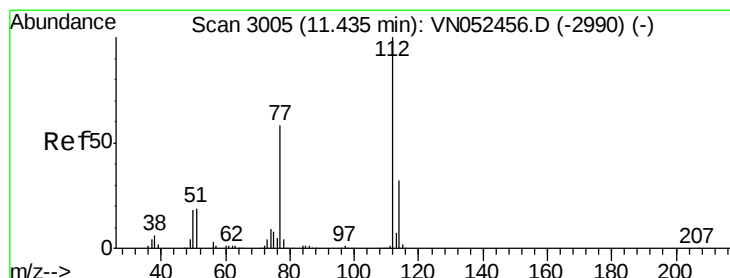
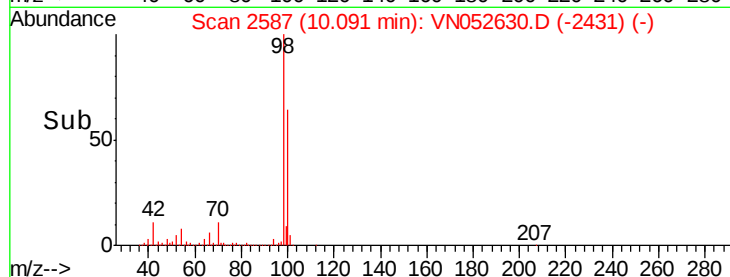
MMDadoda
12/4/2018 2:56:49 PM



Abundance Ion 98.00 (97.70 to 98.70): VN052456.D (-2571) (-)



Time-->



#64

Chlorobenzene

Concen: 19.897 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052630.D

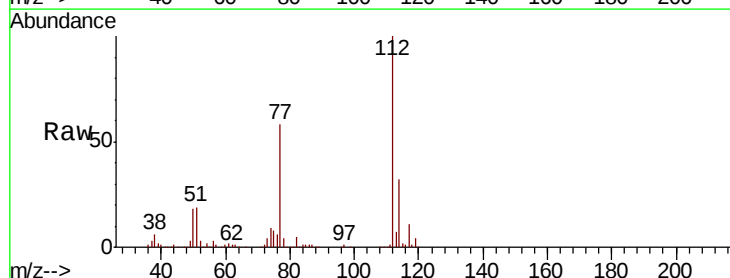
Acq: 3 Dec 2018 14:42

Tgt Ion: 112 Resp: 536512

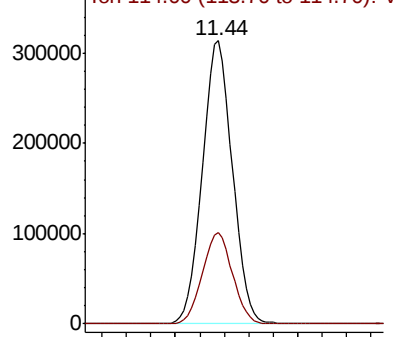
Ion Ratio Lower Upper

112 100

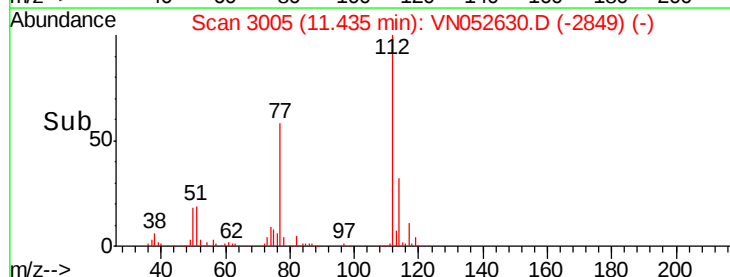
114 32.1 25.6 38.4

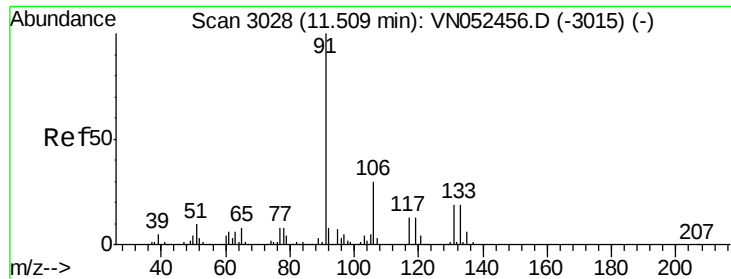


Abundance Ion 112.00 (111.70 to 112.70): VN052456.D (-2990) (-)



Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.217 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

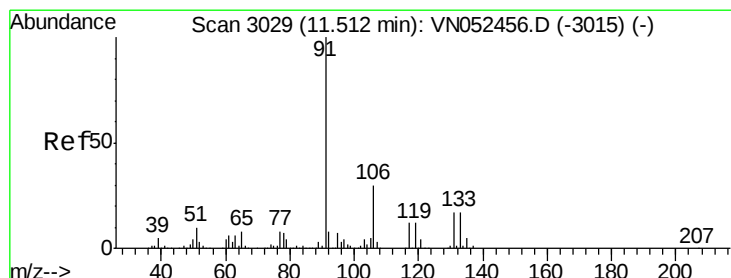
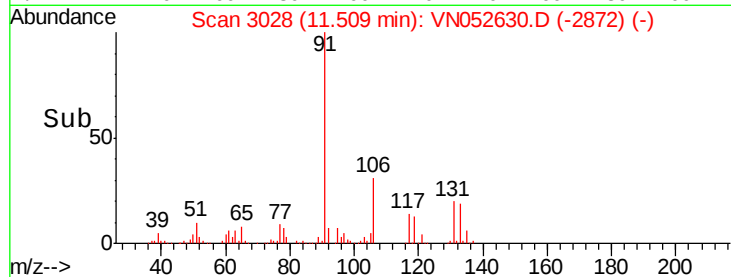
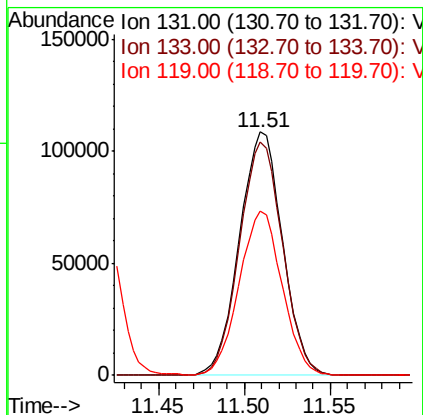
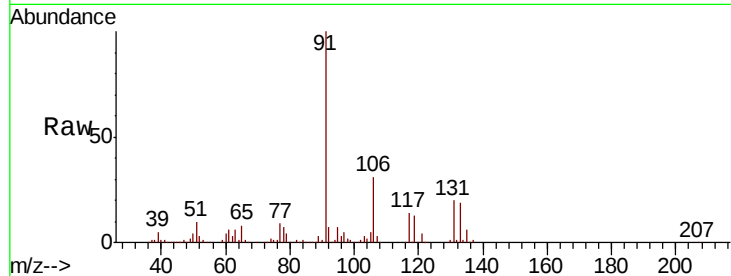
ClientSampleId :

VN1203WBS02

Tot Ion:	131	Resp:	189229
Ion Ratio	Lower	Upper	
131	100		
133	95.9	0.0	193.4
119	67.4	0.0	133.0

Manual Integrations
APPROVED

MMDadoda
12/4/2018 2:56:49 PM



#66

Ethyl Benzene

Concen: 19.860 ug/l

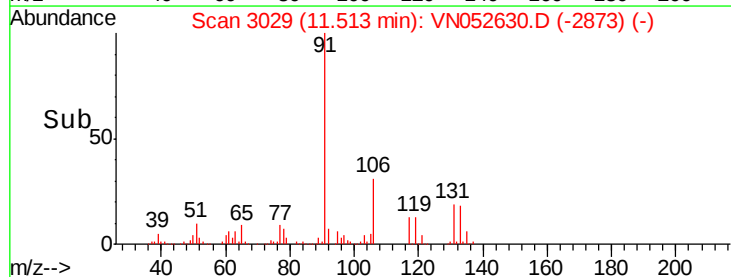
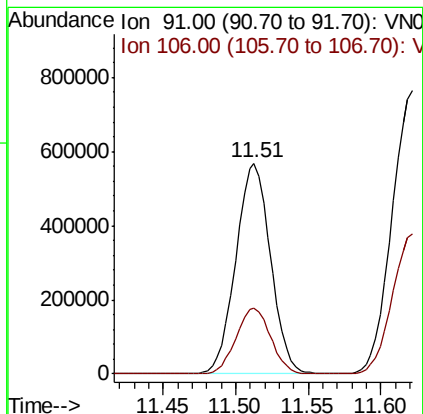
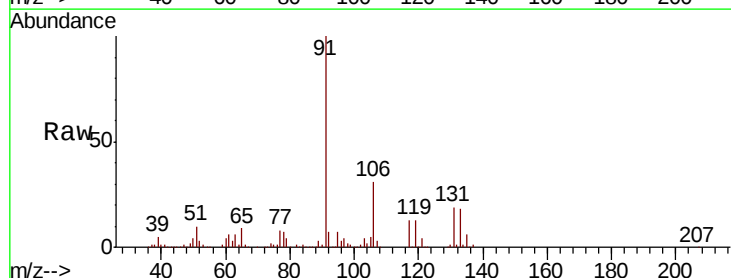
RT: 11.51 min Scan# 3029

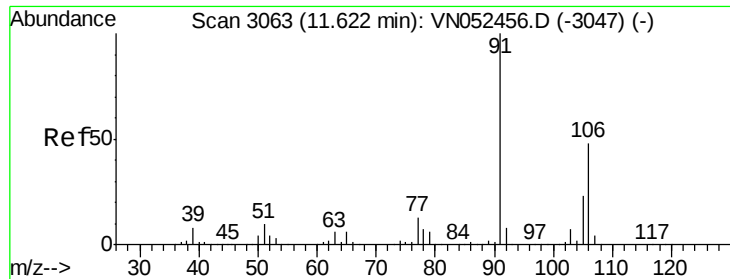
Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Tgt Ion:	91	Resp:	945597
Ion Ratio	Lower	Upper	
91	100		
106	31.3	24.3	36.5





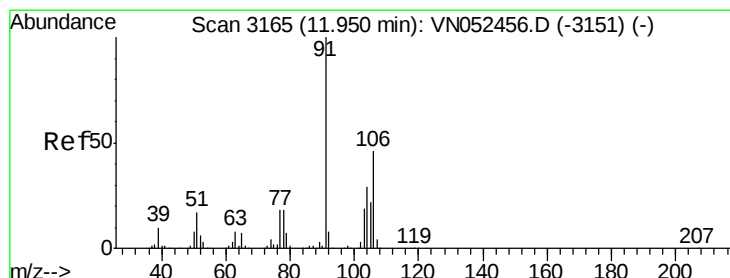
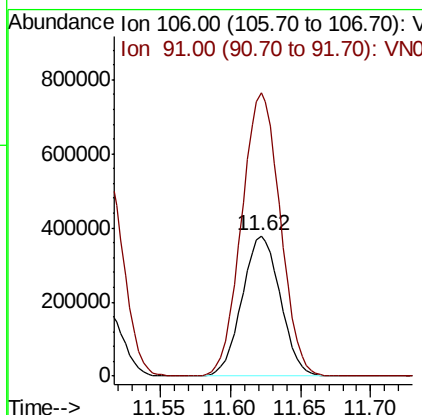
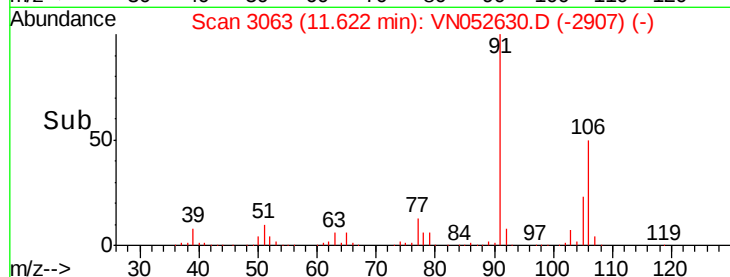
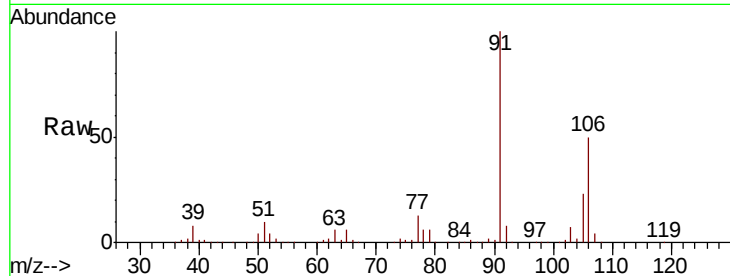
#67
m/p-Xvlenes
Concen: 40.527 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Instrument :
MSVOA_N
ClientSampled :
VN1203WBS02

Tot Ion:106 Resp: 718901
Ion Ratio Lower Upper
106 100
91 204.0 163.9 245.9

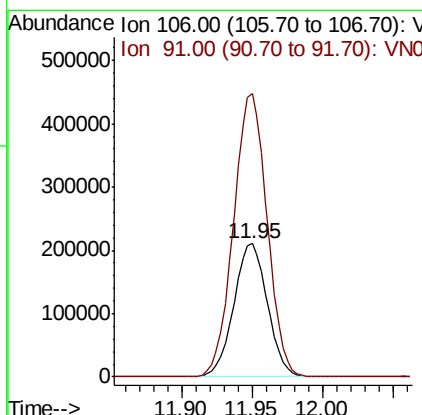
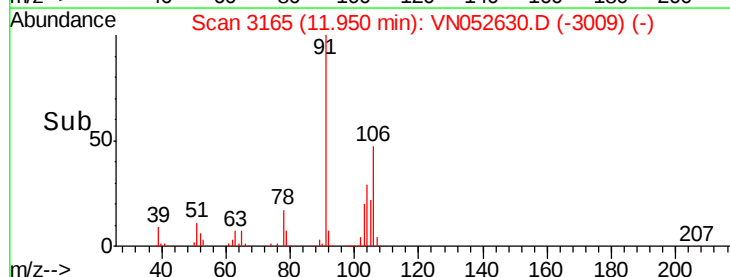
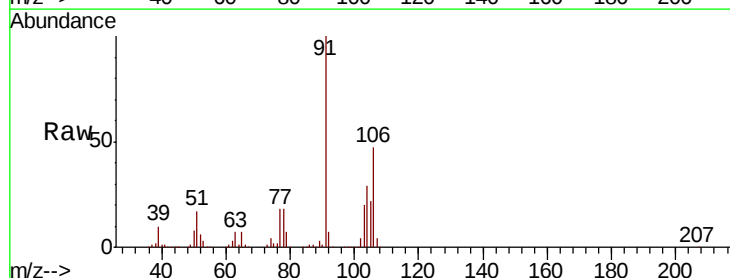
Manual Integrations
APPROVED

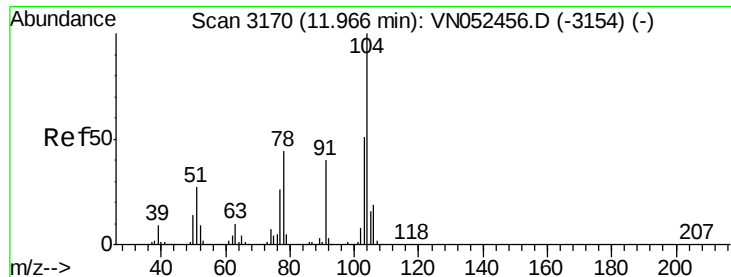
MMDadoda
12/4/2018 2:56:49 PM



#68
o-Xylene
Concen: 20.432 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion:106 Resp: 351775
Ion Ratio Lower Upper
106 100
91 212.4 107.8 323.4





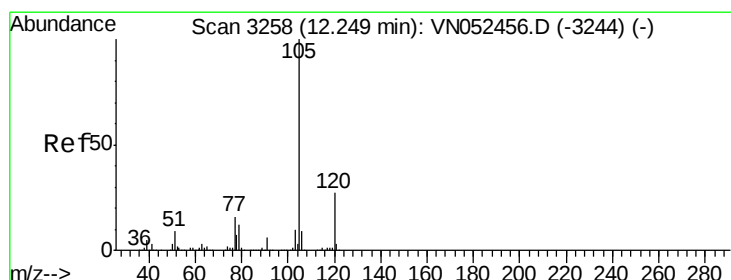
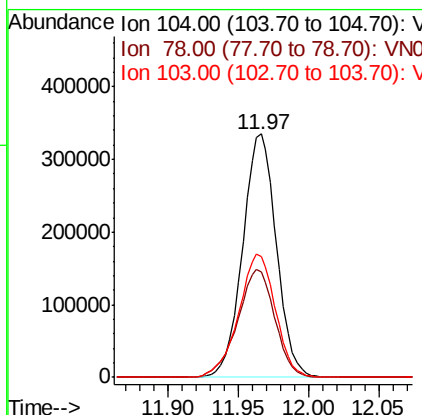
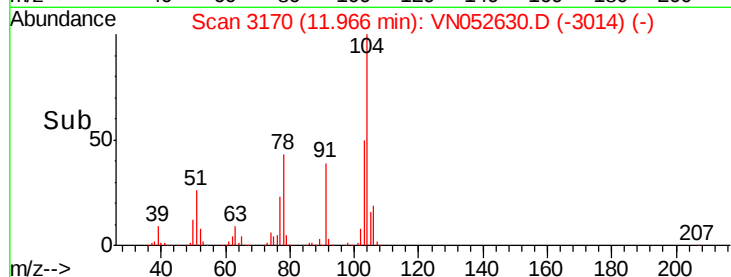
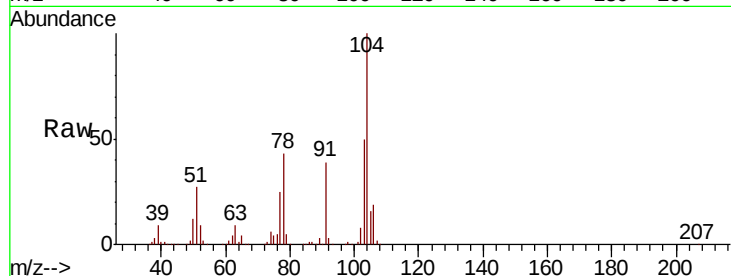
#69
Stvrene
Concen: 20.190 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.0	39.3	58.9
103	55.2	44.6	66.8

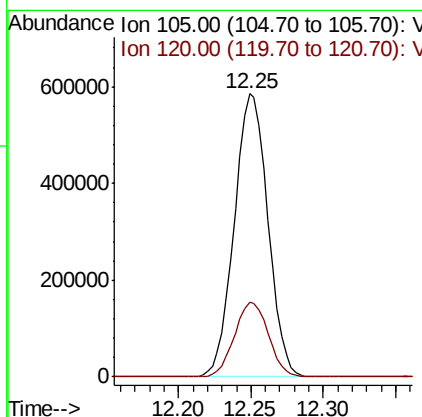
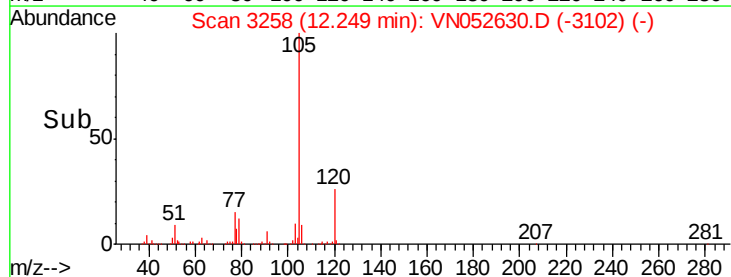
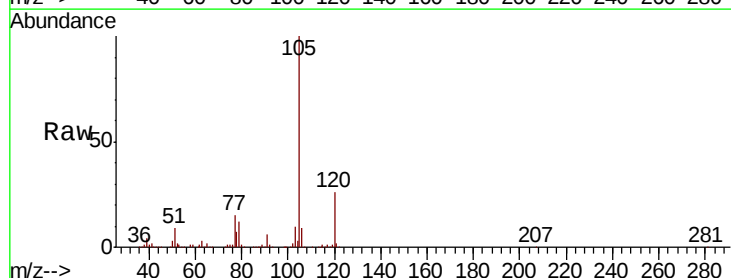
Manual Integrations
APPROVED

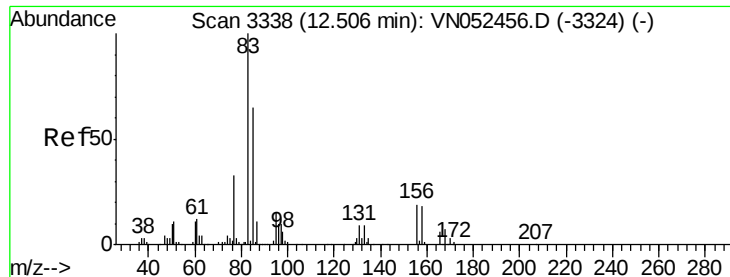
MMDadoda
12/4/2018 2:56:49 PM



#70
Isopropylbenzene
Concen: 20.595 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	18.6	34.6





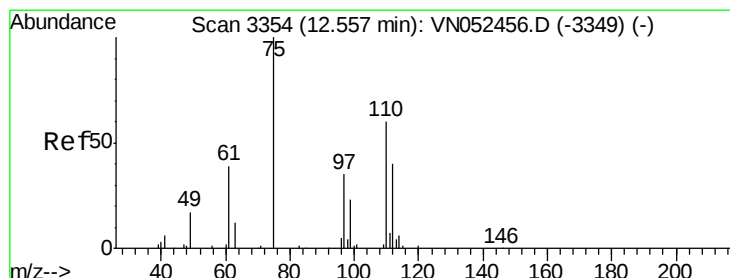
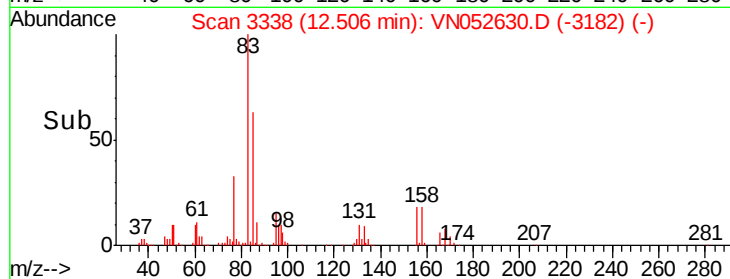
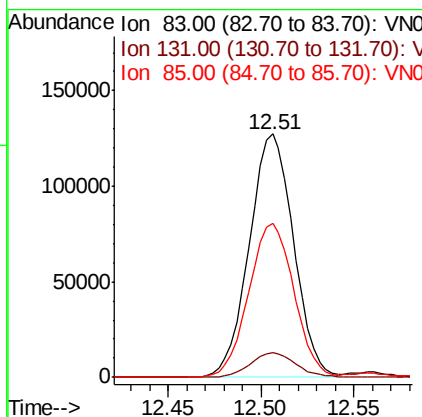
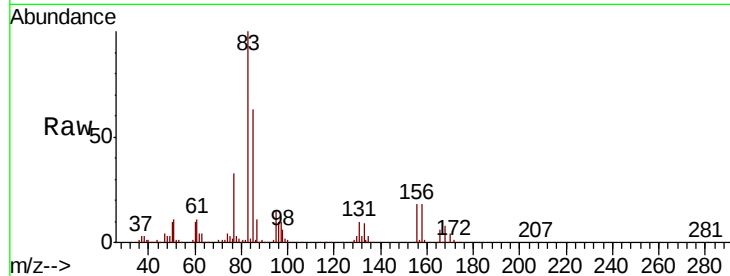
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.236 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.9	14.6
85	64.6	32.2	96.6

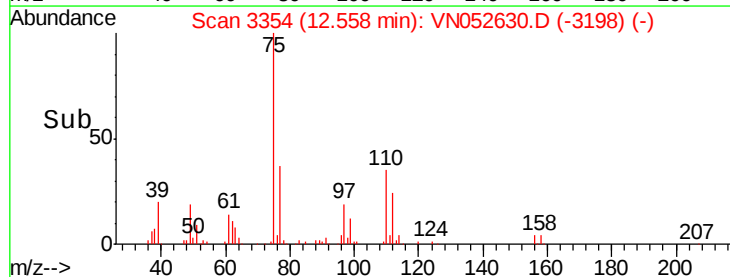
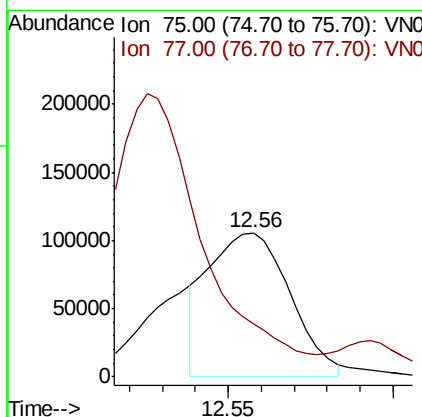
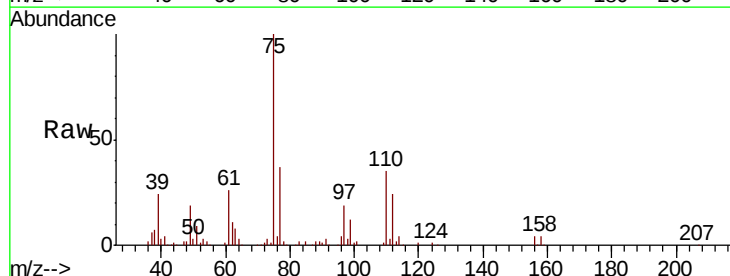
Manual Integrations
 APPROVED

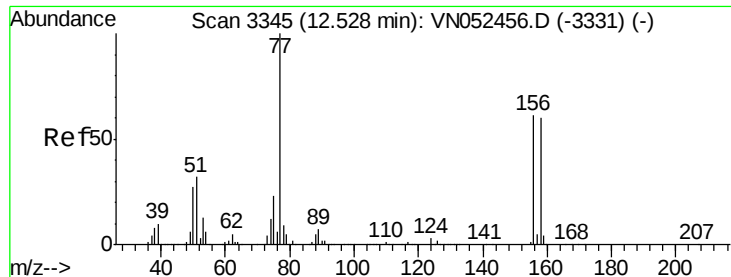
MMDadoda
 12/4/2018 2:56:49 PM



#72
 1,2,3-Trichloropropane
 Concen: 21.251 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	230.2	0.0	514.8





#73

Bromobenzene

Concen: 20.891 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

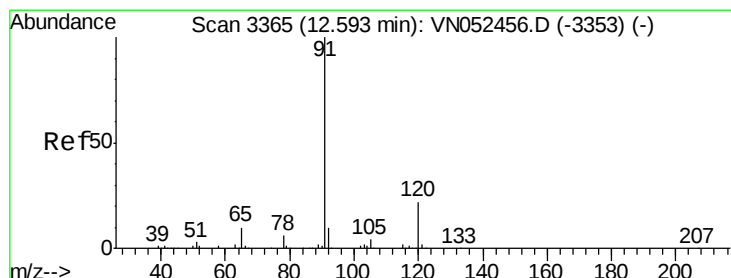
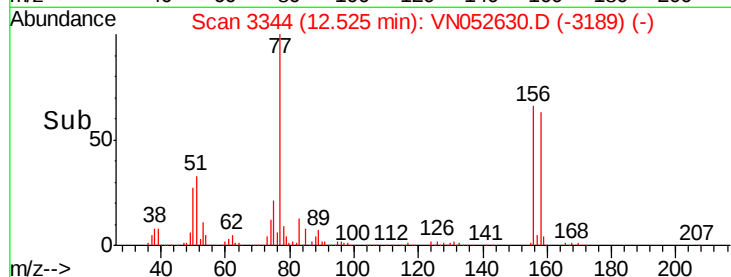
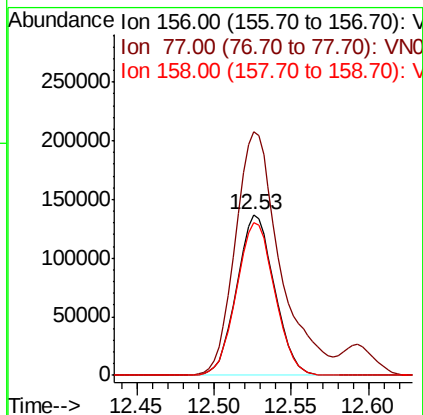
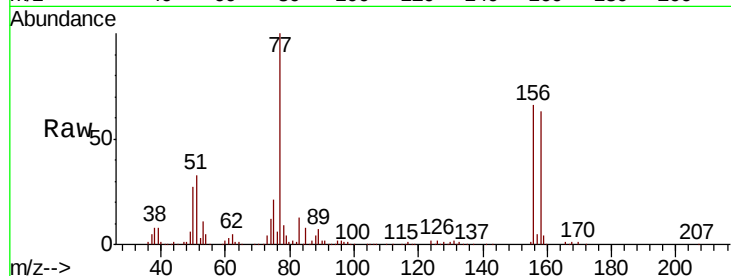
ClientSampleId :

VN1203WBS02

Tot Ion:	156	Resp:	231460
Ion Ratio	Lower	Upper	
156	100		
77	180.8	0.0	382.6
158	96.7	0.0	196.8

Manual Integrations
APPROVED

MMDadoda
12/4/2018 2:56:49 PM



#74

n-propylbenzene

Concen: 19.981 ug/l

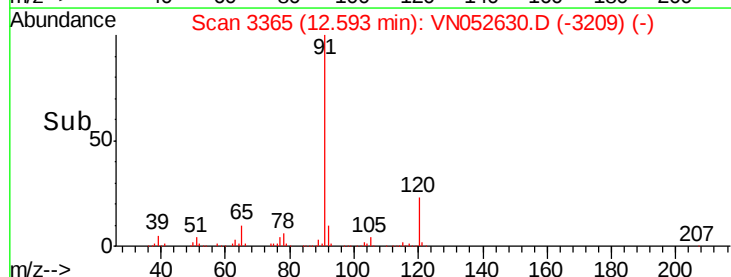
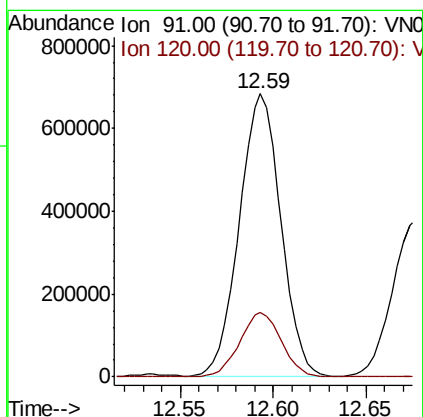
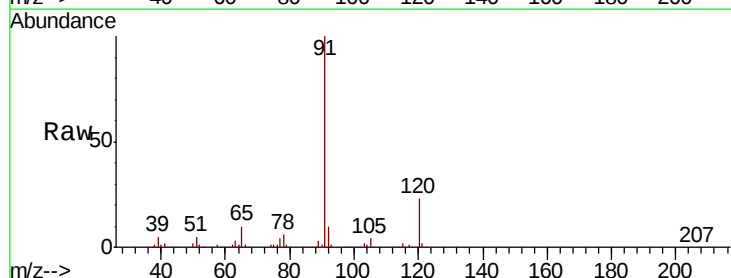
RT: 12.59 min Scan# 3365

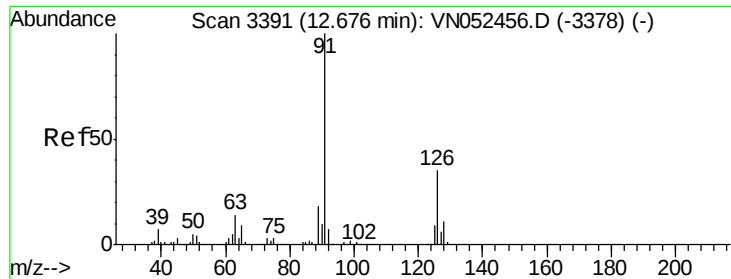
Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Tgt Ion:	91	Resp:	1066502
Ion Ratio	Lower	Upper	
91	100		
120	22.8	0.0	44.6





#75

2-Chlorotoluene

Concen: 20.398 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBS02

Tot Ion: 91 Resp: 631952

Ion Ratio Lower Upper

91 100

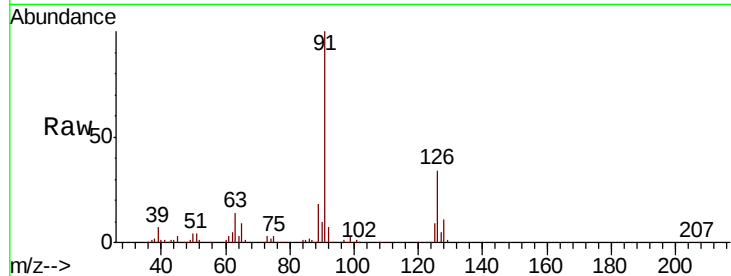
126 34.3 0.0 68.4

Manual Integrations

APPROVED

MMDadoda

12/4/2018 2:56:49 PM



Abundance Ion 91.00 (90.70 to 91.70): VN052456.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN052456.D (-3378) (-)

600000

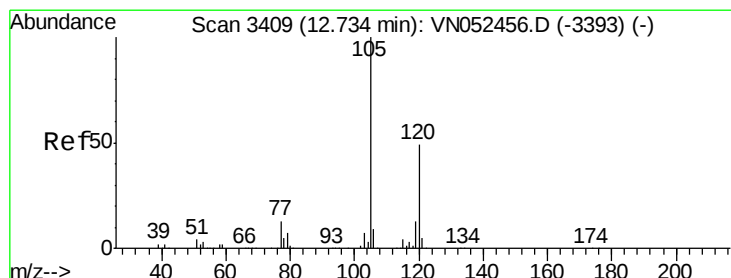
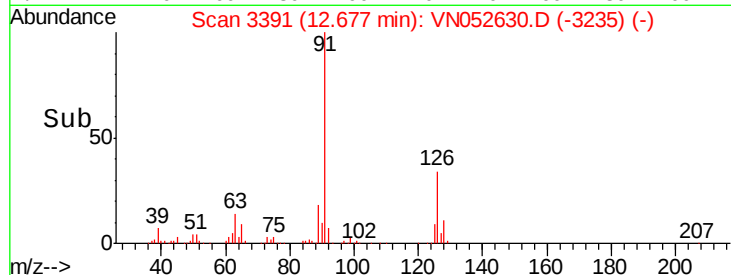
400000

200000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.765 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052630.D

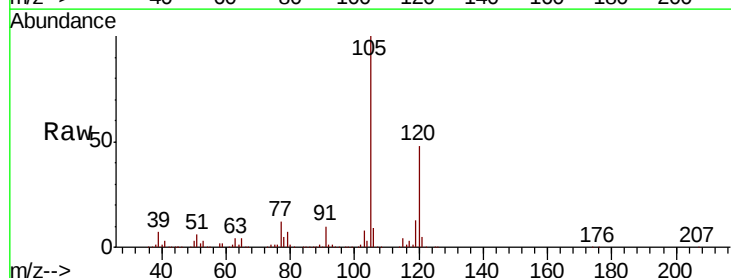
Acq: 3 Dec 2018 14:42

Tgt Ion: 105 Resp: 768315

Ion Ratio Lower Upper

105 100

120 48.7 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN052456.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN052456.D (-3393) (-)

500000

400000

300000

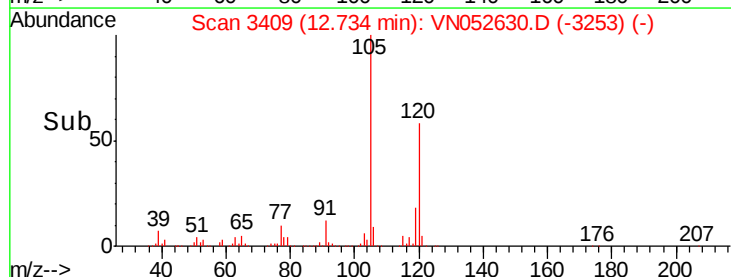
200000

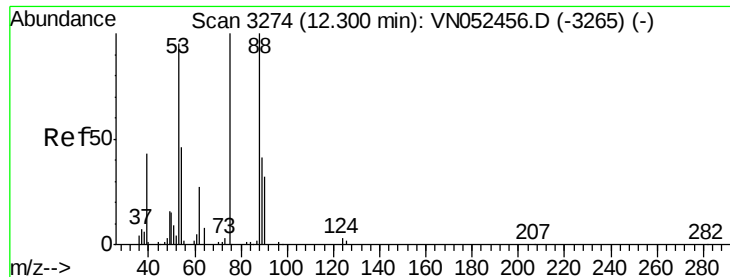
100000

0

12.65 12.70 12.75 12.80

Time-->





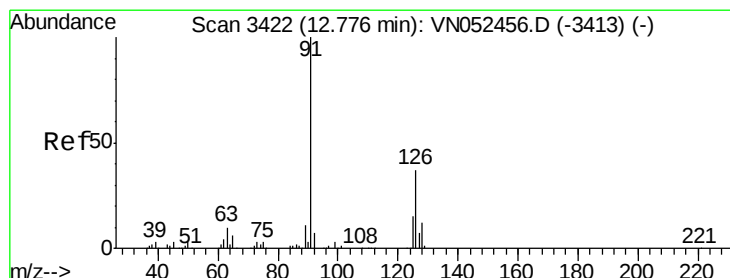
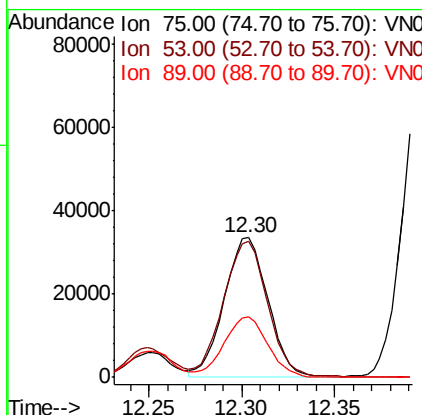
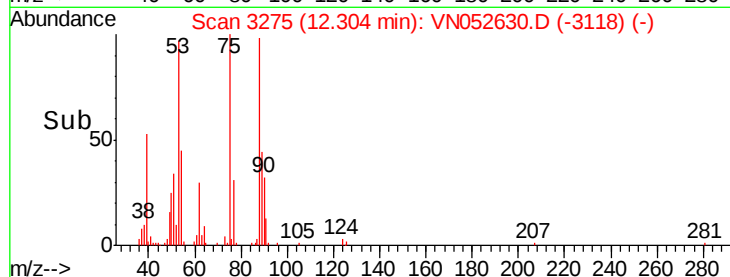
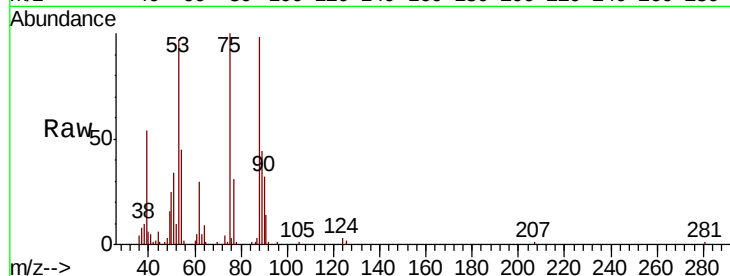
#77
t-1,4-Dichloro-2-butene
Concen: 20.371 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.9	48.5	145.6
89	43.8	21.7	65.1

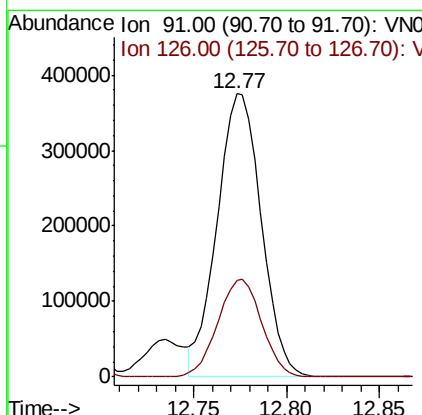
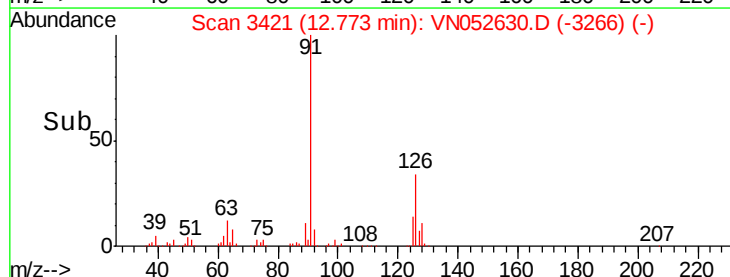
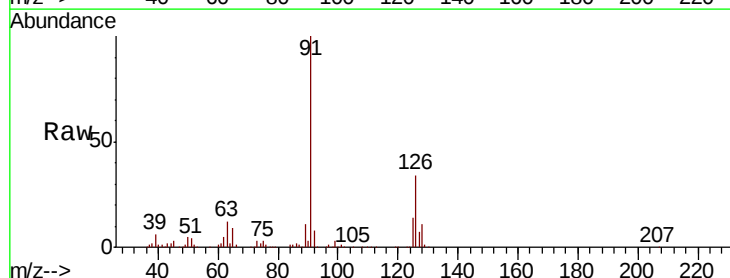
Manual Integrations
APPROVED

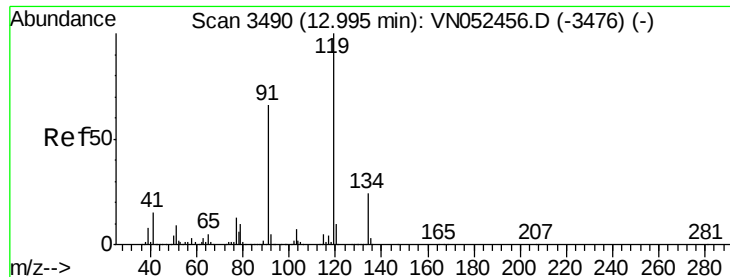
MMDadoda
12/4/2018 2:56:49 PM



#78
4-Chlorotoluene
Concen: 19.990 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	0.0	68.2





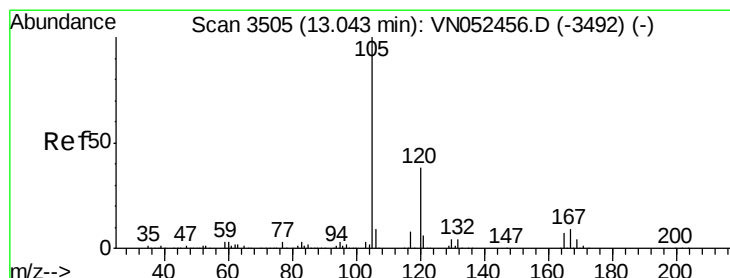
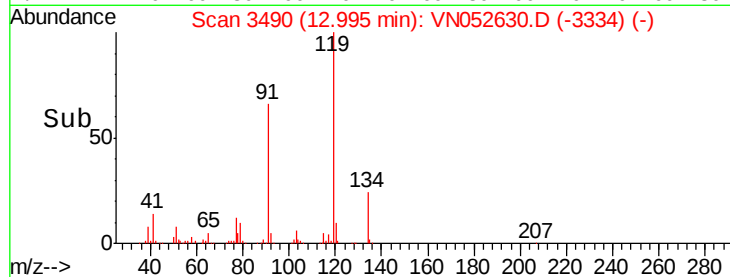
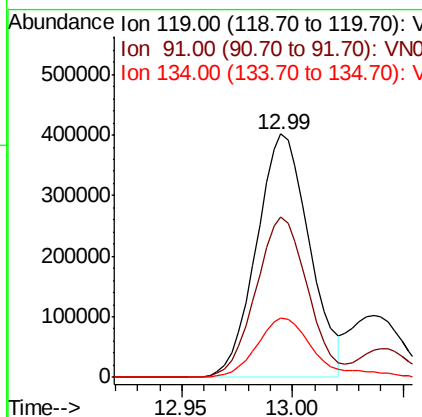
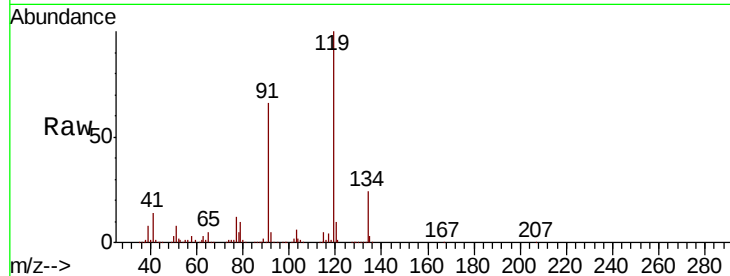
#79
tert-butylbenzene
Concen: 20.782 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	669664		
91	64.5	0.0	129.8	
134	26.4	0.0	52.2	

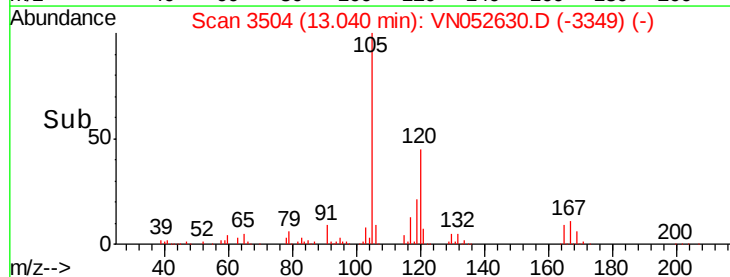
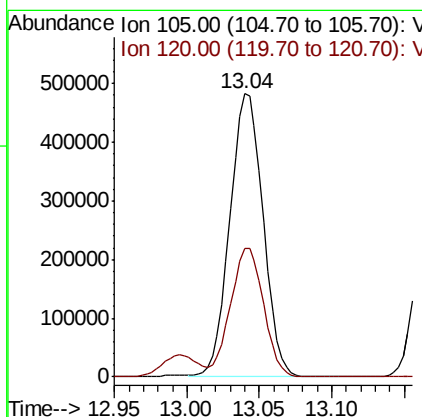
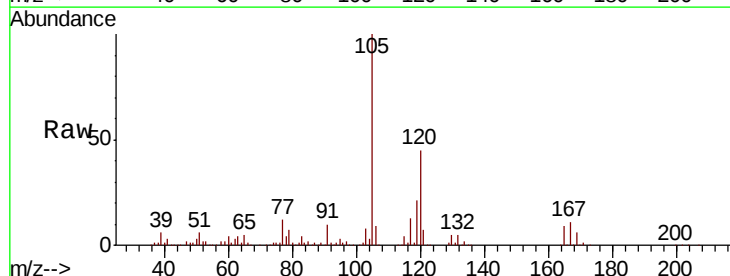
Manual Integrations
APPROVED

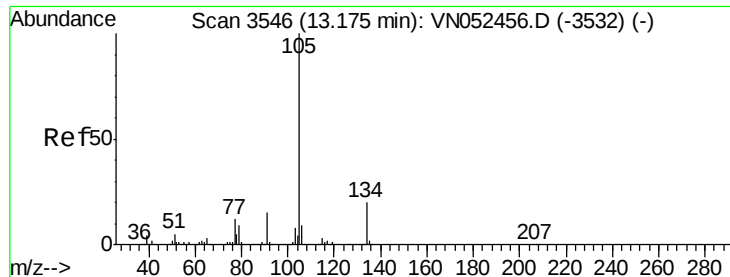
MMDadoda
12/4/2018 2:56:49 PM



#80
1,2,4-Trimethylbenzene
Concen: 20.730 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	767489		
120	45.3	0.0	91.0	





#81

sec-Butylbenzene

Concen: 20.385 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBS02

Tot Ion:105 Resp: 914957

Ion Ratio Lower Upper

105 100

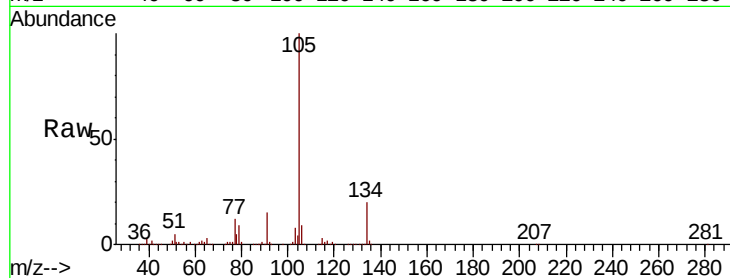
134 20.2 0.0 40.4

Manual Integrations

APPROVED

MMDadoda

12/4/2018 2:56:49 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

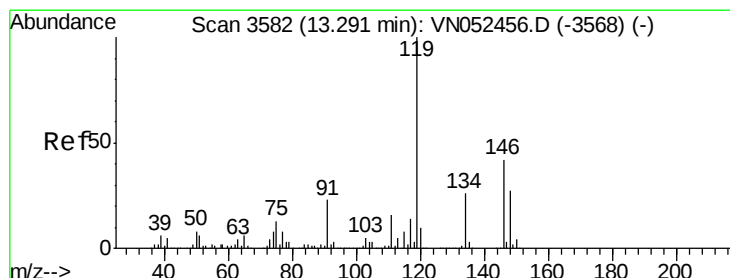
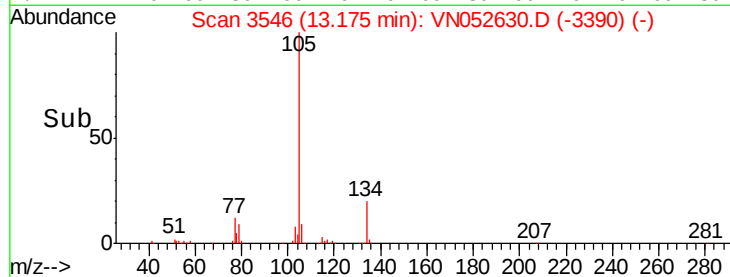
400000

200000

0

13.10 13.15 13.20 13.25

Time-->



#82

p-Isopropyltoluene

Concen: 20.629 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

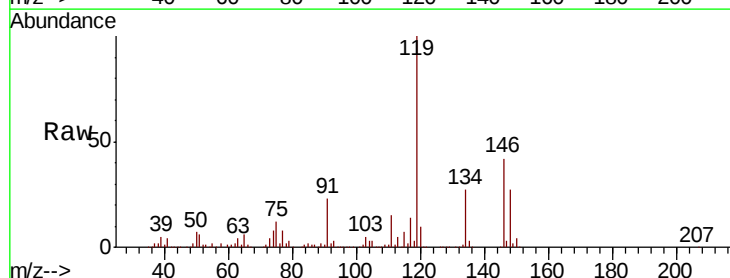
Tgt Ion:119 Resp: 788415

Ion Ratio Lower Upper

119 100

134 26.9 0.0 52.6

91 22.8 0.0 46.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

600000

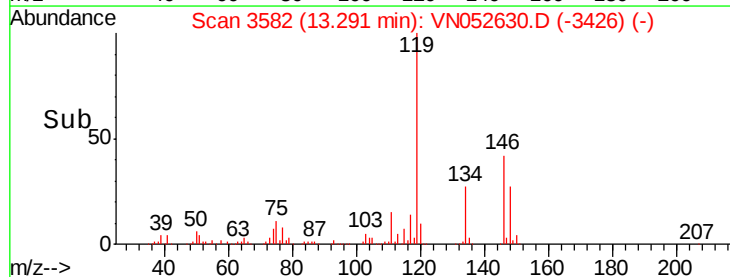
400000

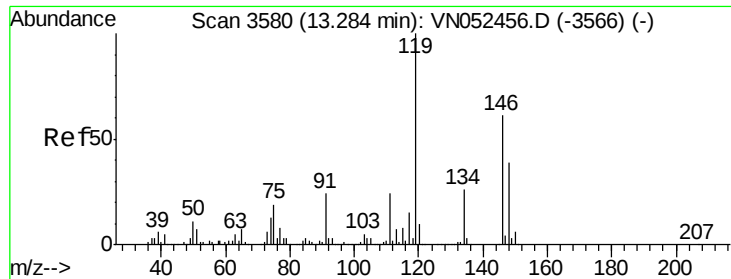
200000

0

13.20 13.25 13.30 13.35

Time-->





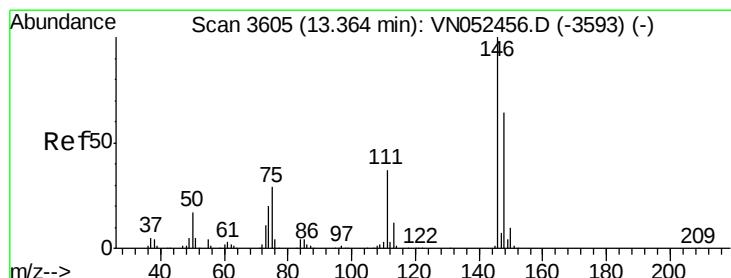
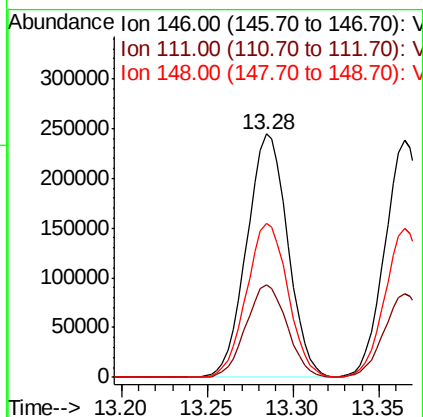
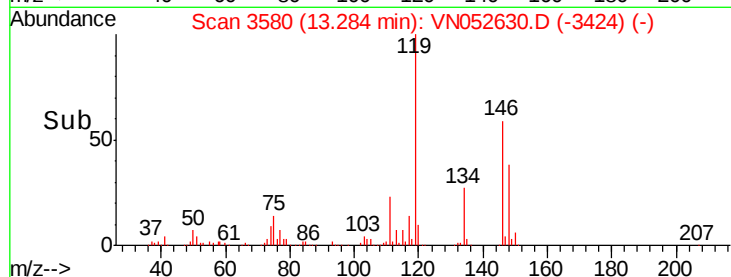
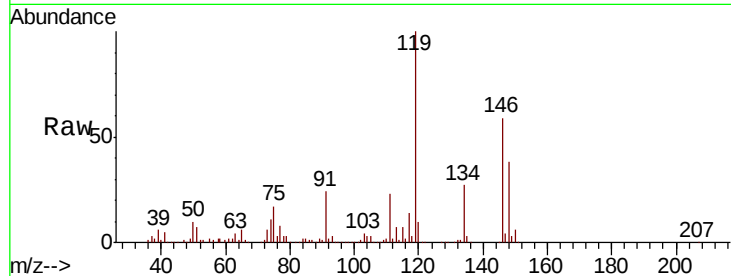
#83
 1,3-Dichlorobenzene
 Concen: 20.756 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.7	59.0
148	64.0	32.3	96.8

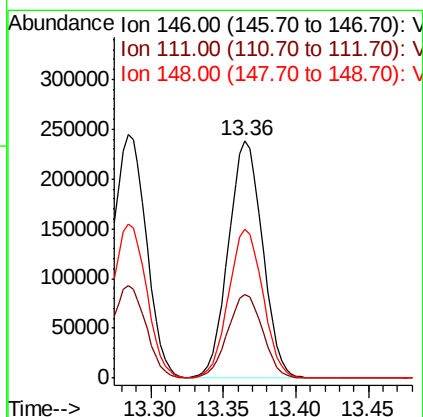
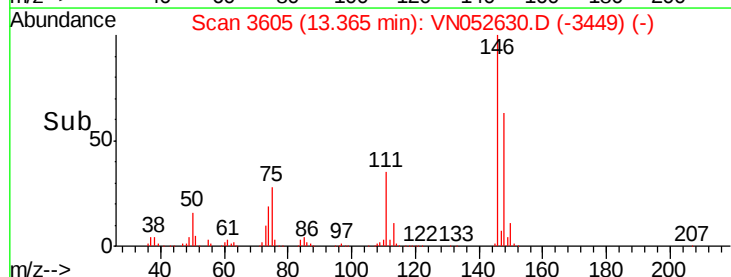
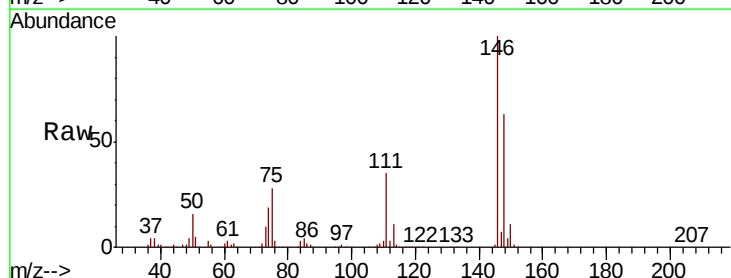
Manual Integrations
 APPROVED

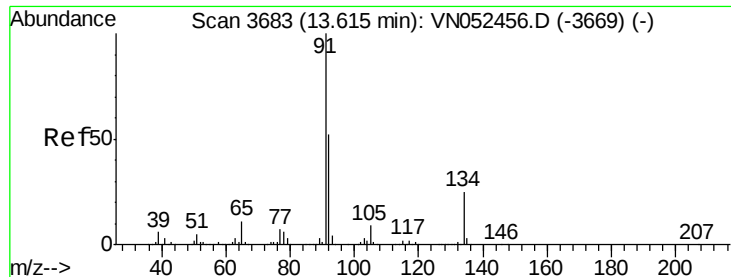
MMDadoda
 12/4/2018 2:56:49 PM



#84
 1,4-Dichlorobenzene
 Concen: 20.701 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.8	56.3
148	63.2	32.5	97.4





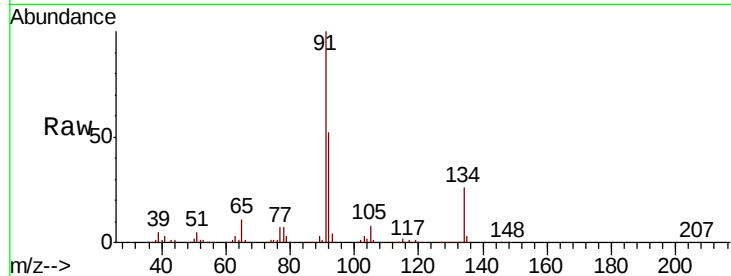
#85
n-Butylbenzene
Concen: 19.858 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

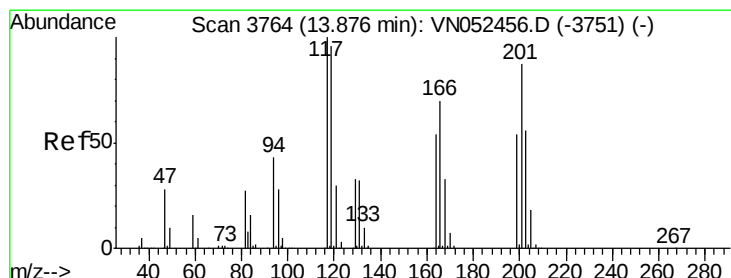
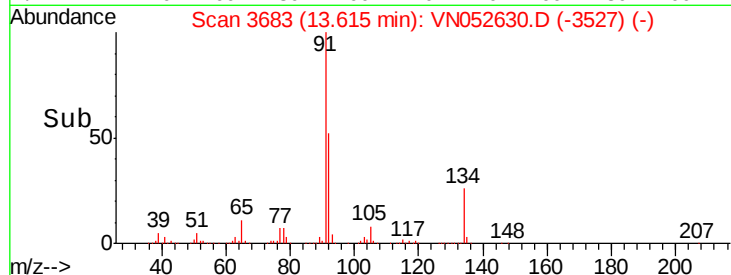
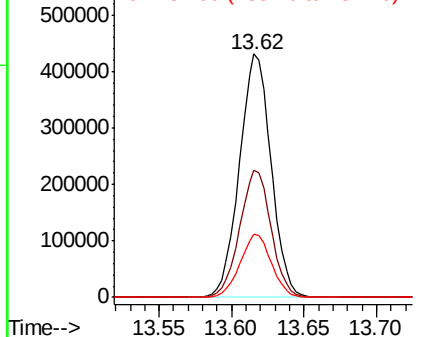
Tot Ion	Ratio	Resp	Lower	Upper
91	100	651907		
92	51.7	0.0	104.2	
134	25.5	0.0	50.6	

Manual Integrations
APPROVED

MMDadoda
12/4/2018 2:56:49 PM

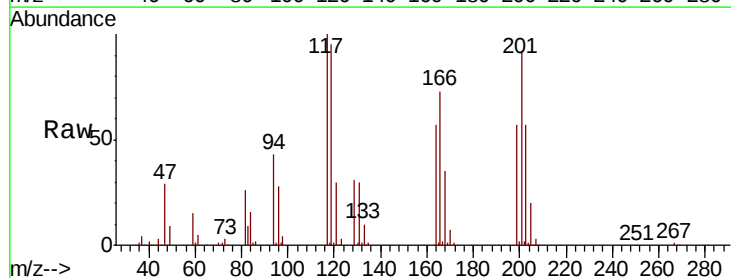


Abundance Ion 91.00 (90.70 to 91.70): VN052456.D (-3669) (-)
Ion 92.00 (91.70 to 92.70): VN052456.D (-3669) (-)
Ion 134.00 (133.70 to 134.70): VN052456.D (-3669) (-)

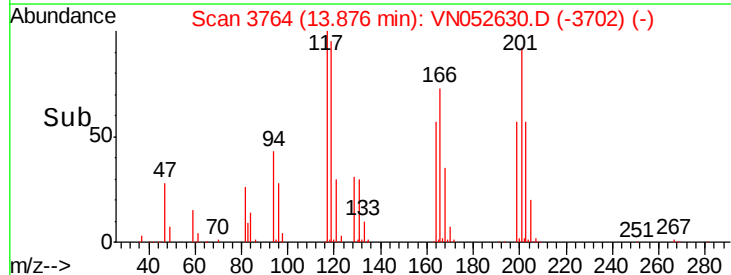
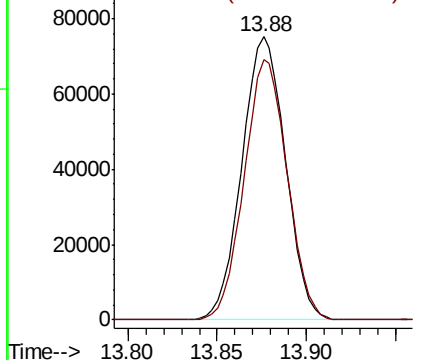


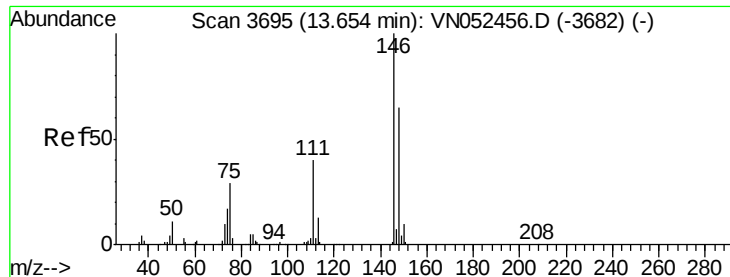
#86
Hexachloroethane
Concen: 19.887 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	128781		
201	90.4	43.8	131.3	



Abundance Ion 117.00 (116.70 to 117.70): VN052456.D (-3751) (-)
Ion 201.00 (200.70 to 201.70): VN052456.D (-3751) (-)





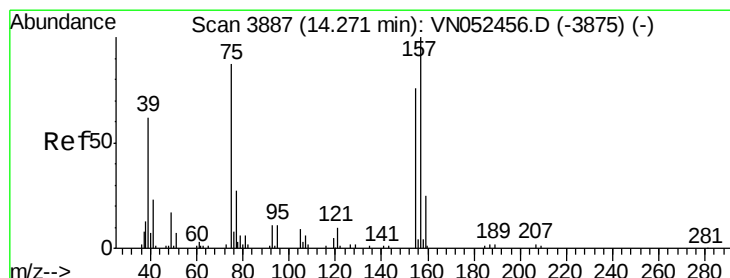
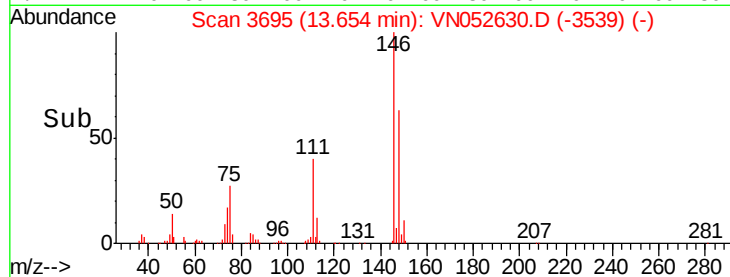
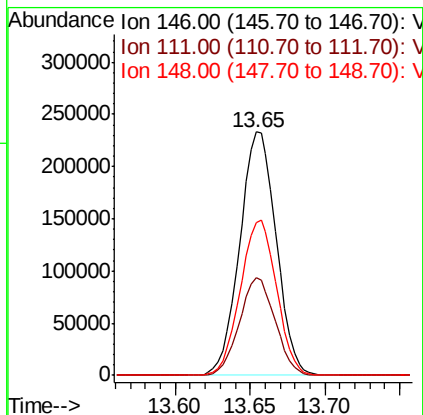
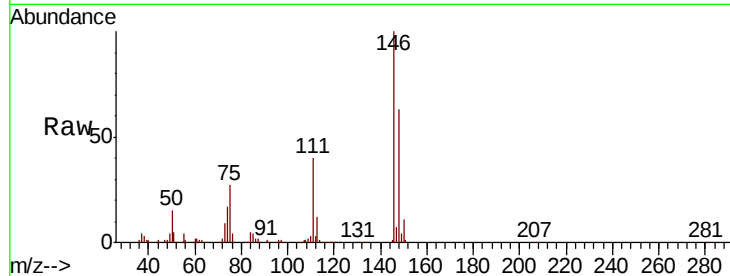
#87
 1,2-Dichlorobenzene
 Concen: 21.302 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.3	60.8
148	63.5	32.1	96.5

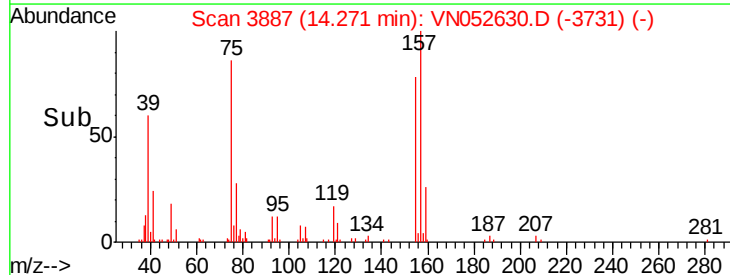
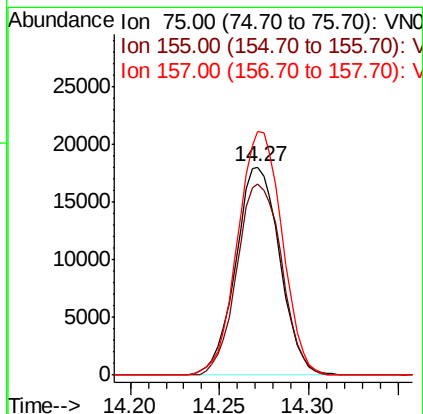
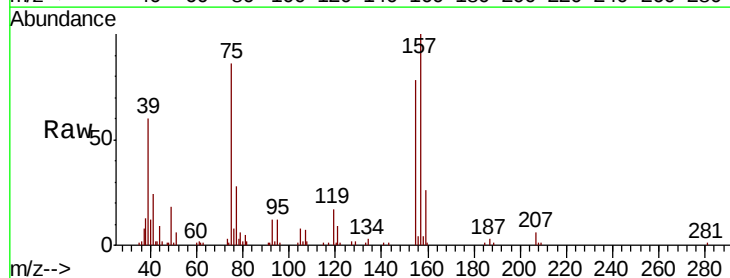
Manual Integrations
 APPROVED

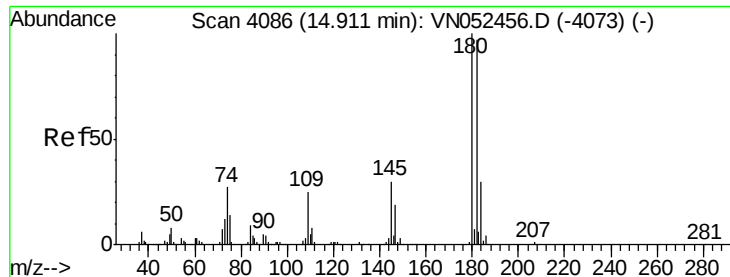
MMDadoda
 12/4/2018 2:56:49 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 22.270 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	72.2	108.2
157	117.9	94.2	141.2





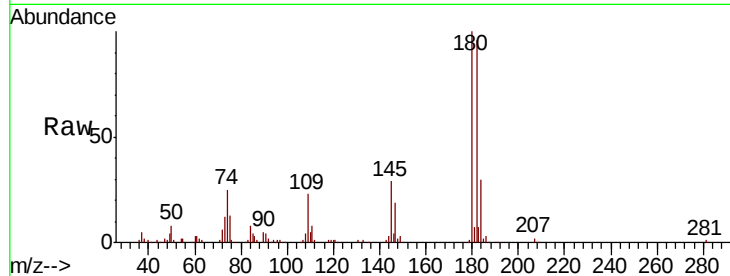
#89
1,2,4-Trichlorobenzene
Concen: 20.875 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	190708		
182	95.4	76.6	114.8	
145	28.4	23.6	35.4	

Manual Integrations
APPROVED

MMDadoda
12/4/2018 2:56:49 PM

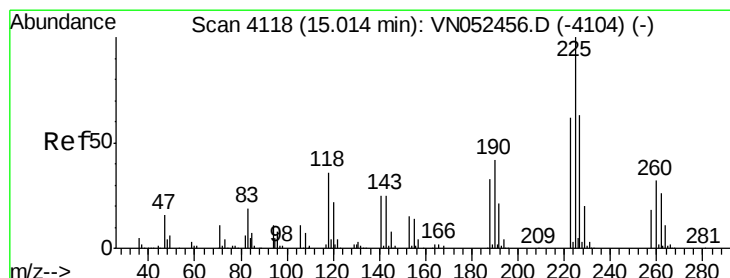
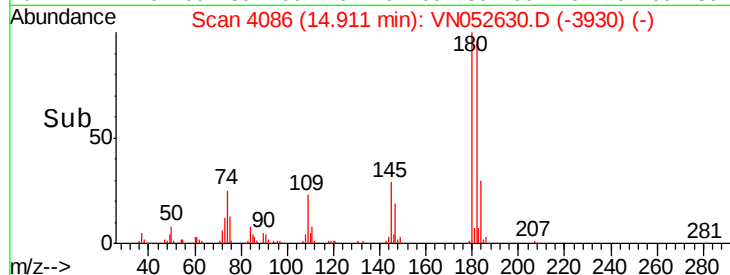
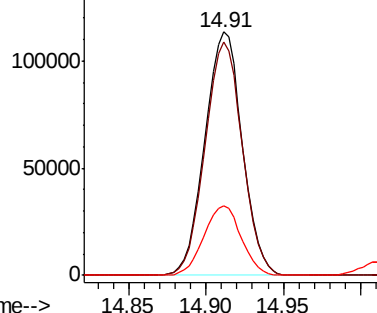


Abundance

Ion 180.00 (179.70 to 180.70): V

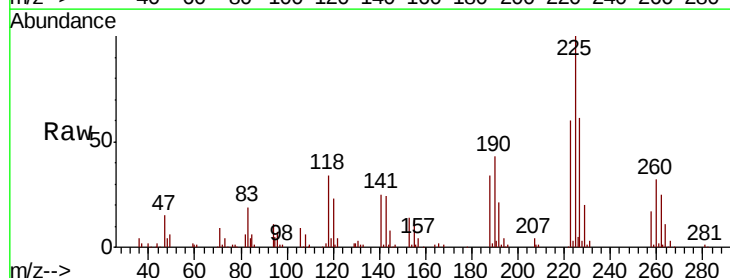
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
Hexachlorobutadiene
Concen: 21.864 ug/l
RT: 15.01 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	131030		
223	60.5	0.0	125.6	
227	63.2	0.0	127.8	

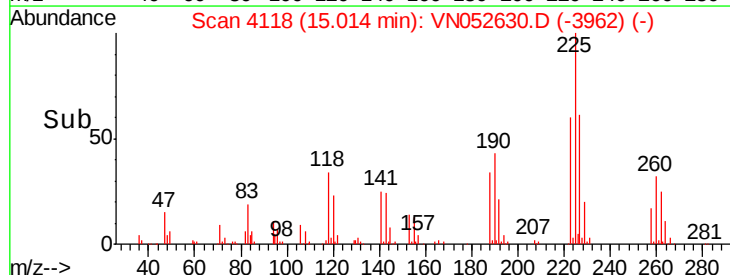
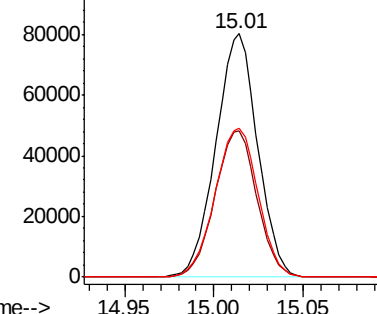


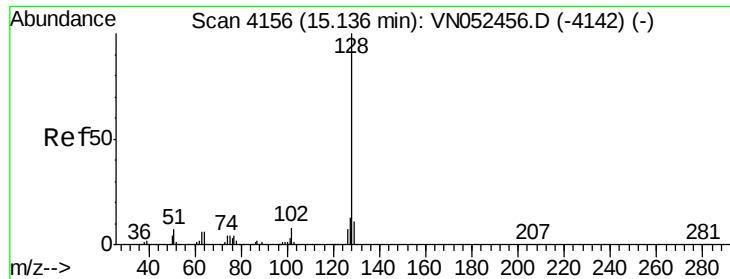
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





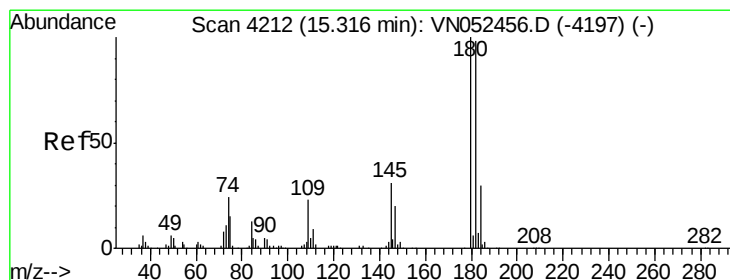
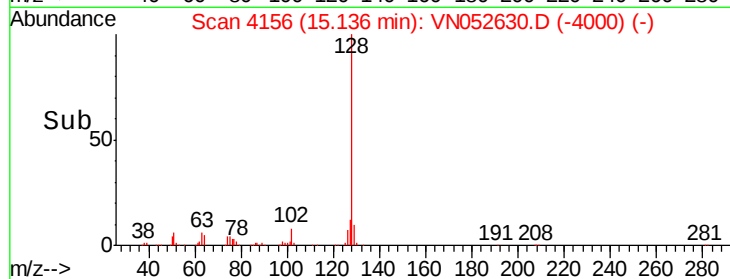
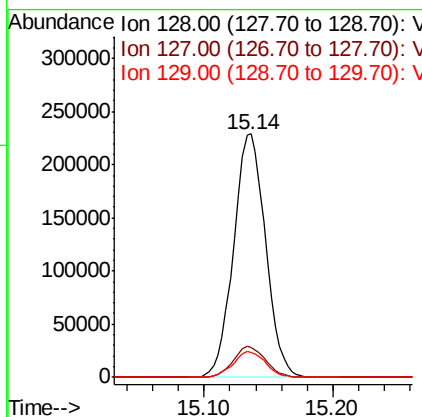
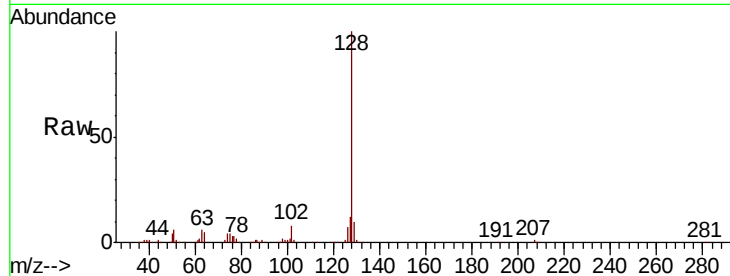
#91
Naphthalene
Concen: 21.345 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	12.7	9.9	14.9	
129	10.6	8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
12/4/2018 2:56:49 PM



#92
1,2,3-Trichlorobenzene
Concen: 21.650 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	0.0	196.2	
145	30.9	0.0	62.2	

