

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121418\
 Data File : VN052887.D
 Acq On : 14 Dec 2018 14:23
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
ClientSampleId :
 VSTDCCC020EC

Manual Integrations
APPROVED
 MMDadoda
 12/17/2018 3:05:46 PM

Quant Time: Dec 15 03:16:44 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	160919	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	960364	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	839409	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	322714	29.43	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.10%
60) 4-Bromofluorobenzene	12.40	95	393932	30.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.30%
63) Toluene-d8	10.09	98	1127752	28.97	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	172755	18.850	ug/l 100
3) Chloromethane	2.06	50	214729	17.666	ug/l 99
4) Vinyl Chloride	2.19	62	227092	18.512	ug/l 96
5) Bromomethane	2.58	94	135918	19.431	ug/l 99
6) Chloroethane	2.72	64	137935	18.907	ug/l 98
7) Trichlorofluoromethane	3.03	101	310359	20.499	ug/l 100
8) Diethyl Ether	3.41	74	113265	20.261	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.77	101	202980	21.149	ug/l 97
10) 1,1-Dichloroethene	3.75	96	183819	20.370	ug/l 97
11) Methyl Iodide	3.96	142	215221	17.178	ug/l 99
12) Methyl Acetate	4.33	43	160641	20.951	ug/l 98
13) Acrolein	3.61	56	24638	27.356	ug/l 98
14) Acrylonitrile	4.99	53	319785	97.886	ug/l 99
15) Acetone	3.82	58	82016	96.939	ug/l 99
16) Carbon Disulfide	4.06	76	502212	17.578	ug/l 100
17) Allyl chloride	4.33	41	298687	18.979	ug/l 95
18) Methylene Chloride	4.56	84	208650	19.969	ug/l 96
19) trans-1,2-Dichloroethene	5.05	96	194436	20.022	ug/l 90
20) Diisopropyl ether	5.95	45	643164	19.447	ug/l 96
21) 1,1-Dichloroethane	5.85	63	372267	19.749	ug/l 98
22) cis-1,2-Dichloroethene	6.84	96	227599	20.449	ug/l 97
23) tert-Butyl Alcohol	4.77	59	55962	115.151	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	498612	21.062	ug/l 98
25) Chloroform	7.37	83	371585	20.434	ug/l 100
26) Cyclohexane	7.66	56	338975	19.067	ug/l # 97
29) 1,1-Dichloropropene	7.80	75	280072	19.097	ug/l 98
30) 2-Butanone	6.84	43	368676	93.947	ug/l 98
31) 2,2-Dichloropropane	6.83	77	278265	20.610	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	303519	19.890	ug/l 97
33) Carbon Tetrachloride	7.78	117	258470	19.358	ug/l 98
34) Benzene	8.04	78	846643	19.201	ug/l 99
35) Methacrylonitrile	7.17	41	84469	17.349	ug/l 96
36) 1,2-Dichloroethane	8.13	62	255341	19.110	ug/l 99
37) Trichloroethene	8.84	130	243841	21.809	ug/l 95
38) Methylcyclohexane	9.08	83	343425	18.916	ug/l 97
39) 1,2-Dichloropropane	9.12	63	226875	19.195	ug/l 97
40) Dibromomethane	9.21	93	128890	20.180	ug/l 96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121418\
 Data File : VN052887.D
 Acq On : 14 Dec 2018 14:23
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
ClientSampled :
 VSTDCCC020EC

Manual Integrations
APPROVED
 MMDadoda
 12/17/2018 3:05:46 PM

Quant Time: Dec 15 03:16:44 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	271875	19.266	ug/l	99
42) Vinyl Acetate	5.90	43	1896403	89.314	ug/l	98
43) Ethyl Acetate	6.93	43	147907	17.725	ug/l #	84
44) Isopropyl Acetate	8.16	43	308282	21.065	ug/l	100
45) 1,4-Dioxane	9.20	88	33740	421.422	ug/l	92
46) Methyl methacrylate	9.20	41	149340	19.653	ug/l	98
47) n-amyl Acetate	12.07	43	270700	22.309	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	264964	19.365	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	322714	19.359	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	182249	20.130	ug/l	99
51) Ethyl methacrylate	10.43	69	232304	20.429	ug/l	95
52) 1,3-Dichloropropane	10.71	76	317417	19.697	ug/l	99
53) Dibromochloromethane	10.90	129	195848	19.648	ug/l	98
54) 1,2-Dibromoethane	11.01	107	176683	19.971	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	675313	101.458	ug/l	99
56) Bromoform	12.13	173	123346	18.932	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	810665	99.617	ug/l	98
59) 2-Hexanone	10.75	43	546393	98.288	ug/l	98
61) Tetrachloroethene	10.63	164	292977	28.339	ug/l	94
62) Toluene	10.16	91	913882	19.749	ug/l	100
64) Chlorobenzene	11.43	112	575083	20.361	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	200234	20.424	ug/l	99
66) Ethyl Benzene	11.51	91	988202	19.814	ug/l	98
67) m/p-Xylenes	11.62	106	758098	40.801	ug/l	97
68) o-Xylene	11.95	106	368481	20.432	ug/l	99
69) Styrene	11.96	104	597011	20.510	ug/l	99
70) Isopropylbenzene	12.25	105	984928	20.527	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	177141	16.971	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	178037m	19.870	ug/l	
73) Bromobenzene	12.53	156	246122	21.208	ug/l	94
74) n-propylbenzene	12.59	91	1129031	20.195	ug/l	99
75) 2-Chlorotoluene	12.68	91	658742	20.300	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	796378	20.548	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	53490	18.898	ug/l	96
78) 4-Chlorotoluene	12.77	91	672404	20.749	ug/l	99
79) tert-butylbenzene	12.99	119	701963	20.798	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	811219	20.918	ug/l	99
81) sec-Butylbenzene	13.17	105	958994	20.399	ug/l	100
82) p-Isopropyltoluene	13.29	119	828862	20.705	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	437884	21.454	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	434347	22.026	ug/l	98
85) n-Butylbenzene	13.62	91	693748	20.175	ug/l	99
86) Hexachloroethane	13.88	117	112380	16.568	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	423095	21.783	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	28932	19.788	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	230561	24.094	ug/l	100
90) Hexachlorobutadiene	15.01	225	136323	21.717	ug/l	98
91) Naphthalene	15.13	128	474000	24.529	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	203351	23.059	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121418\
 Data File : VN052887.D
 Acq On : 14 Dec 2018 14:23
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
ClientSampleId :
 VSTDCCC020EC

Manual Integrations
APPROVED
 MMDadoda
 12/17/2018 3:05:46 PM

Quant Time: Dec 15 03:16:44 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)

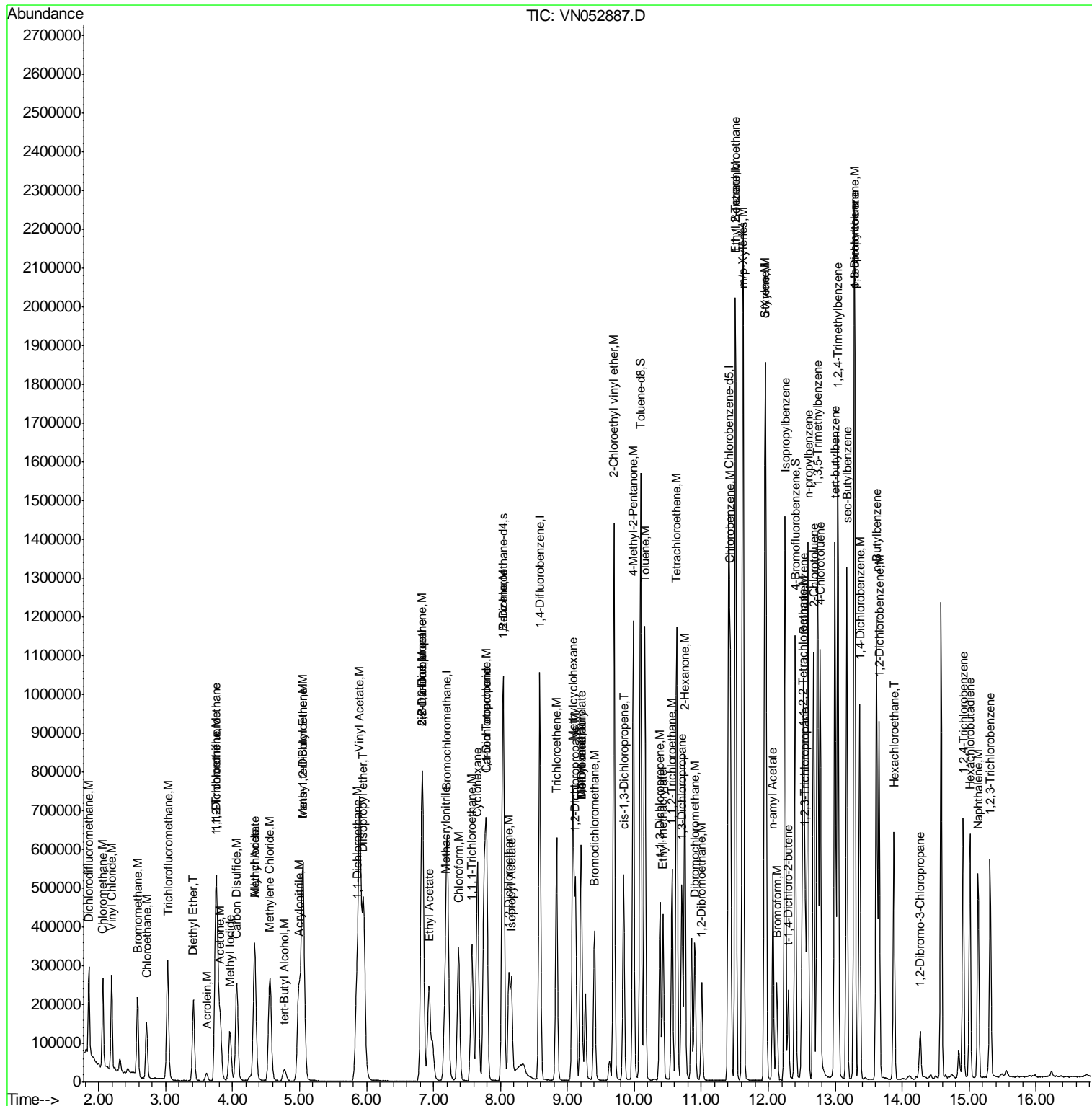
(#) = qualifier out of range (m) = manual integration (+) = signals summed

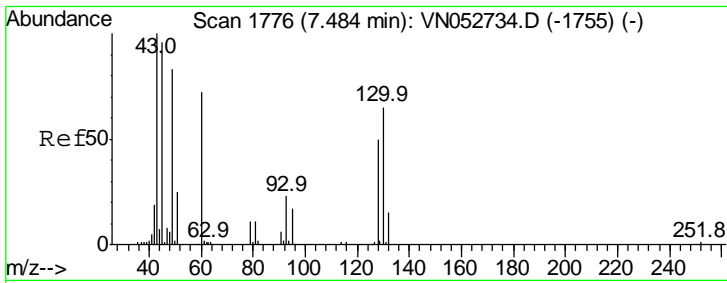
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121418\
 Data File : VN052887.D
 Acq On : 14 Dec 2018 14:23
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDCCC020EC

Manual Integrations
 APPROVED
 MMDadoda
 12/17/2018 3:05:46 PM

Quant Time: Dec 15 03:16:44 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





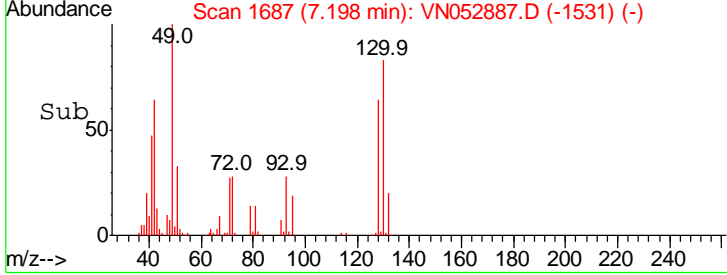
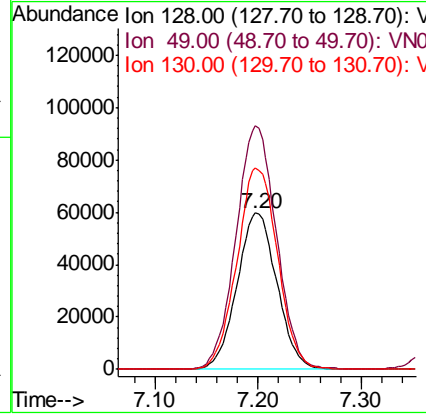
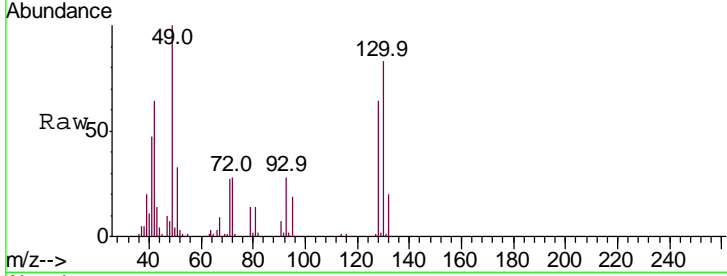
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC020EC

Tgt Ion	Resp	Lower	Upper
128	160919		
128	100		
49	157.8	0.0	431.8
130	131.7	0.0	317.0

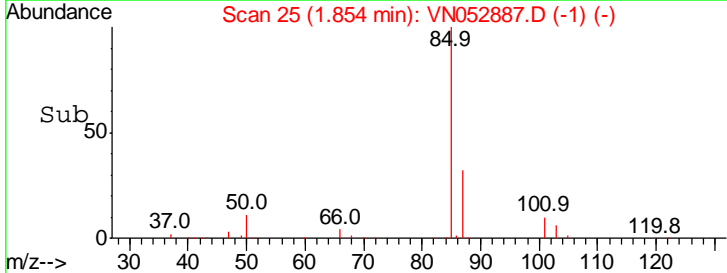
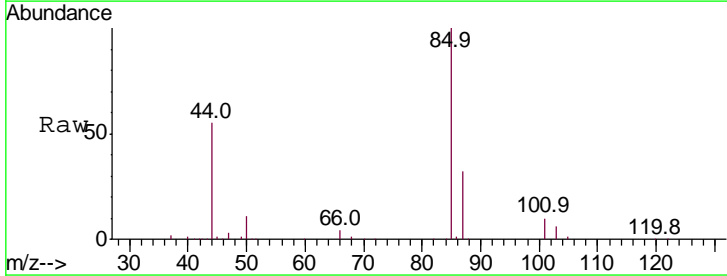
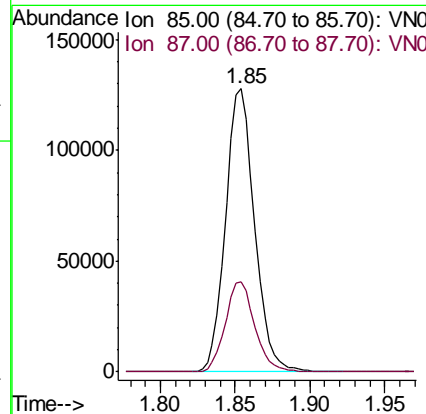
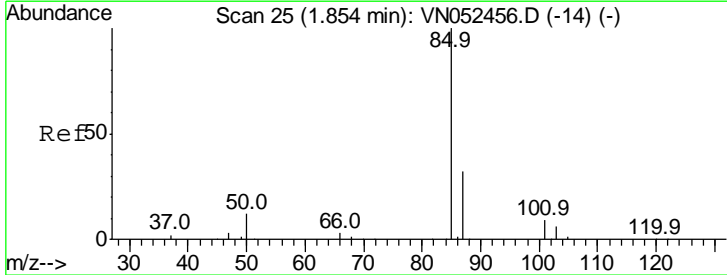
Manual Integrations
 APPROVED

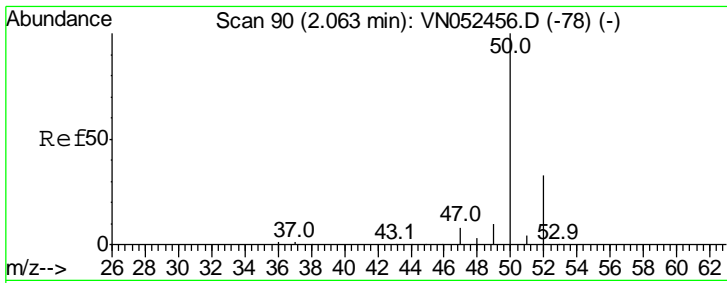
MMDadoda
 12/17/2018 3:05:46 PM



#2
 Dichlorodifluoromethane
 Concen: 18.850 ug/l
 RT: 1.85 min Scan# 25
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
85	172755		
85	100		
87	32.0	16.1	48.3



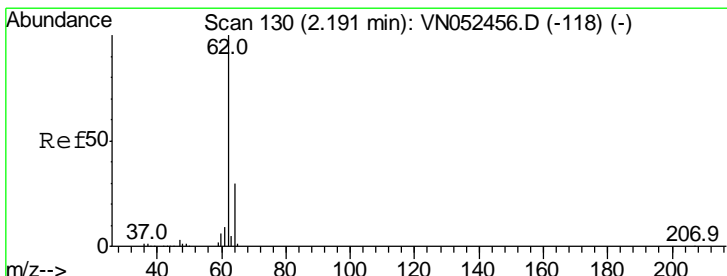
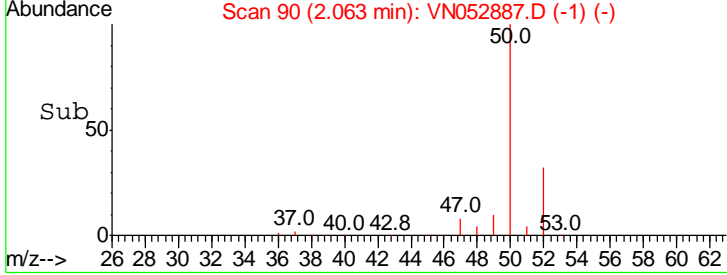
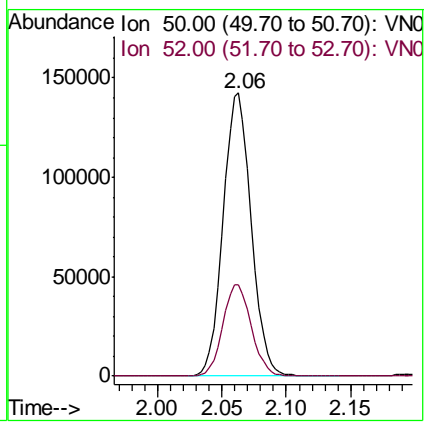
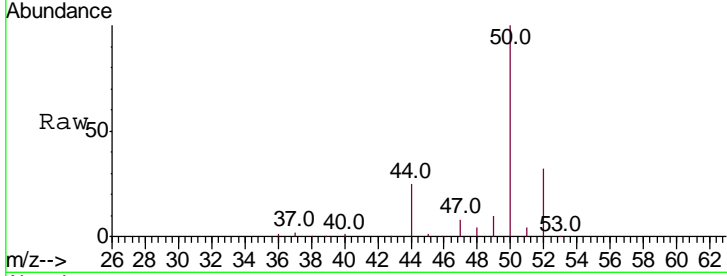


#3
 Chloromethane
 Concen: 17.666 ug/l
 RT: 2.06 min Scan# 90
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020EC

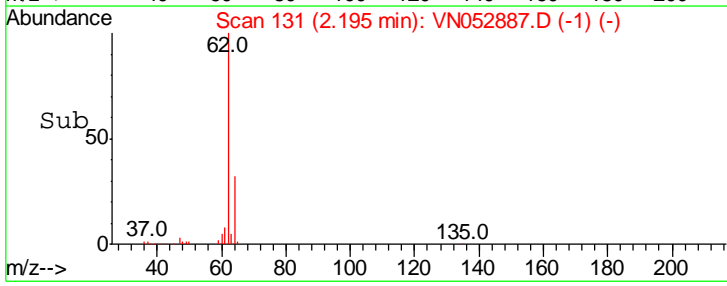
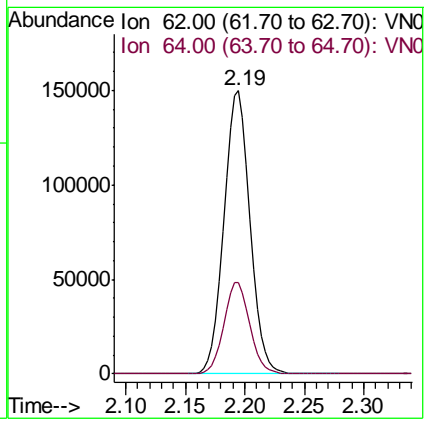
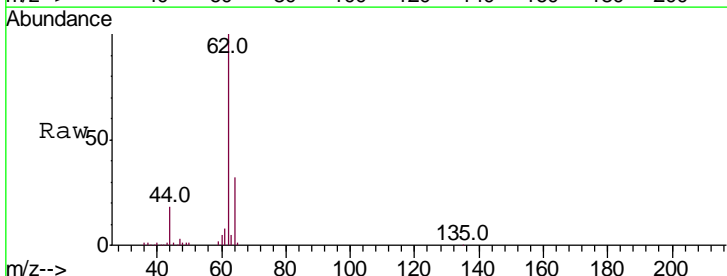
Tgt Ion	Resp	Lower	Upper
50	100		
52	32.5	26.5	39.7

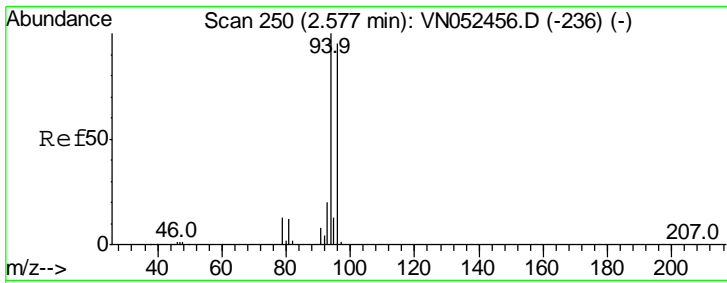
Manual Integrations
APPROVED
 MMDadoda
 12/17/2018 3:05:46 PM



#4
 Vinyl Chloride
 Concen: 18.512 ug/l
 RT: 2.19 min Scan# 131
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
62	100		
64	32.3	24.2	36.4





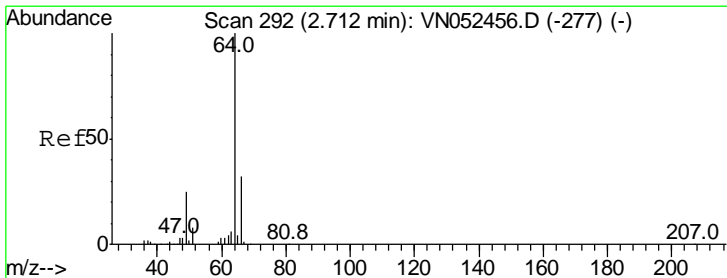
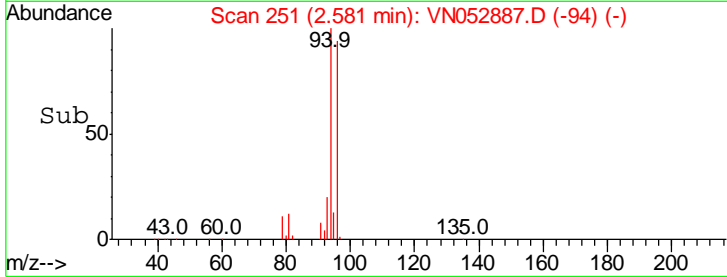
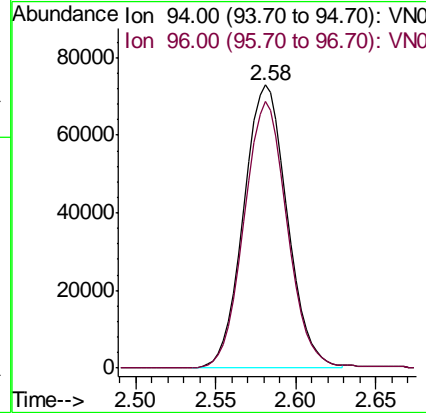
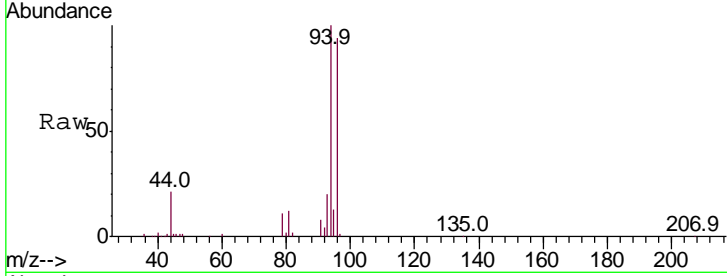
#5
 Bromomethane
 Concen: 19.431 ug/l
 RT: 2.58 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
 ClientSampled : VSTDCCC020EC

Tgt Ion	Resp	Lower	Upper
94	100		
96	94.0	76.2	114.2

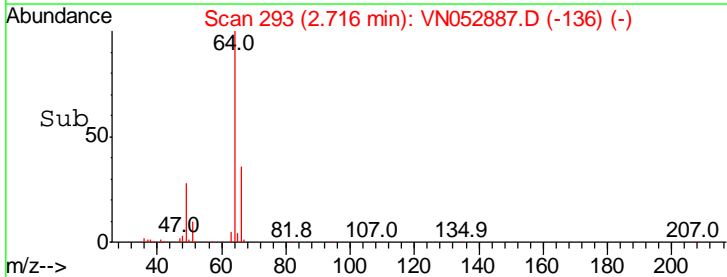
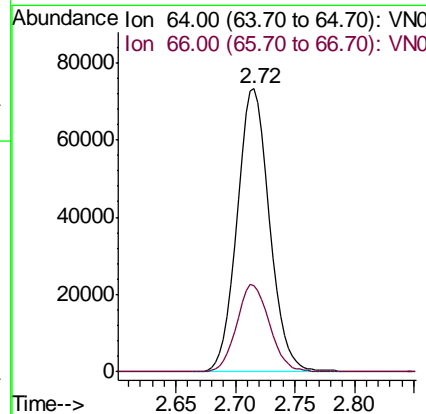
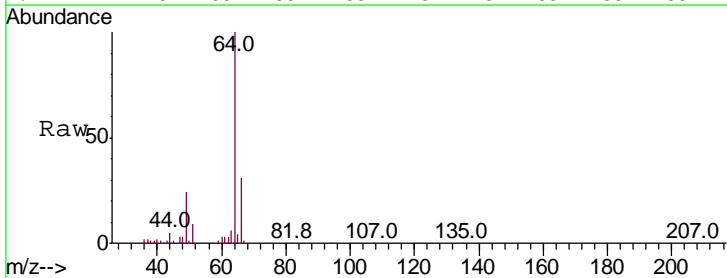
Manual Integrations
 APPROVED

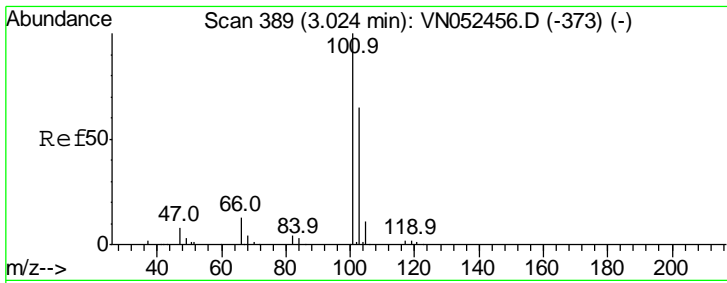
MMDadoda
 12/17/2018 3:05:46 PM



#6
 Chloroethane
 Concen: 18.907 ug/l
 RT: 2.72 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
64	100		
66	30.7	25.6	38.4





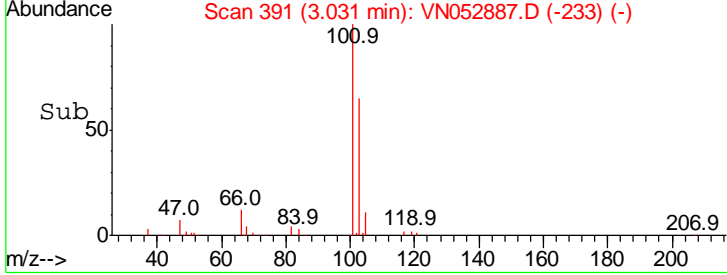
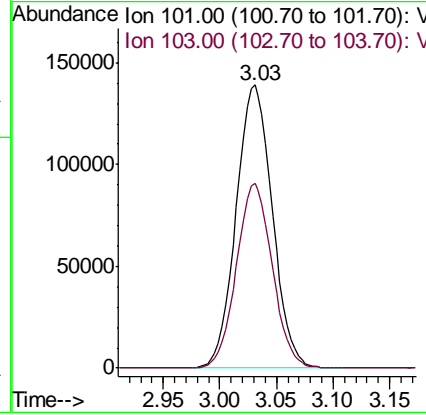
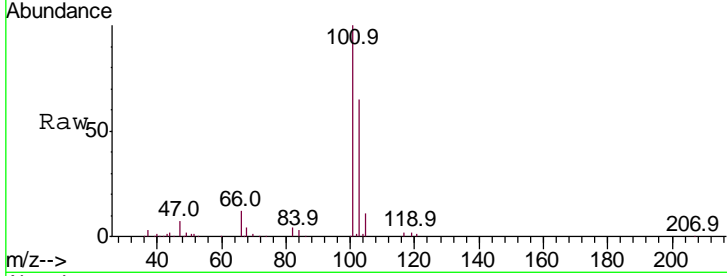
#7
 Trichlorofluoromethane
 Concen: 20.499 ug/l
 RT: 3.03 min Scan# 391
 Delta R.T. 0.01 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument :
 MSVOA_N
ClientSampled :
 VSTDCCC020EC

Tgt Ion:101 Resp: 310359
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.1 78.1

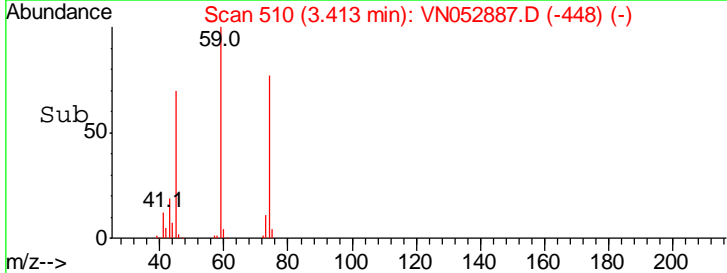
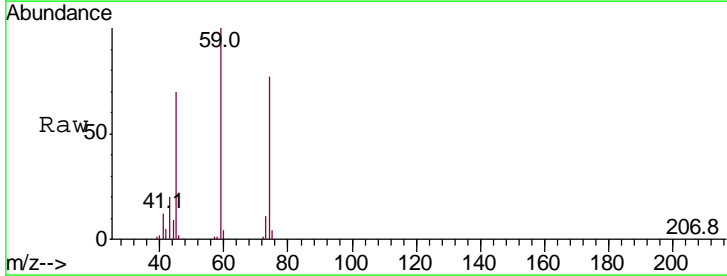
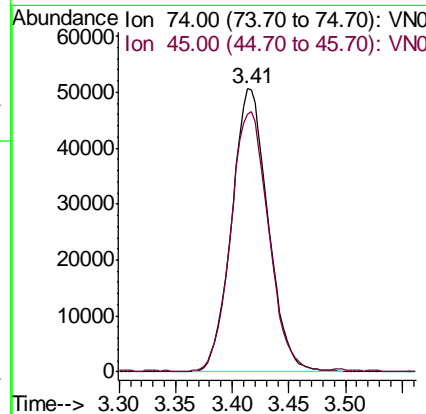
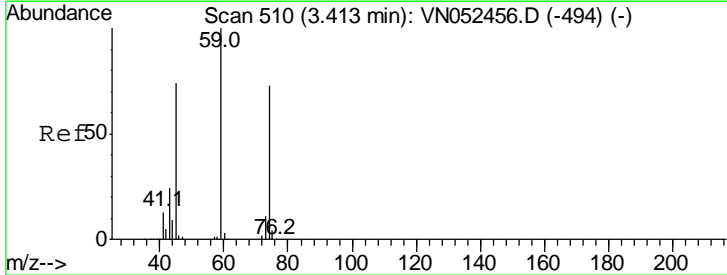
Manual Integrations
APPROVED

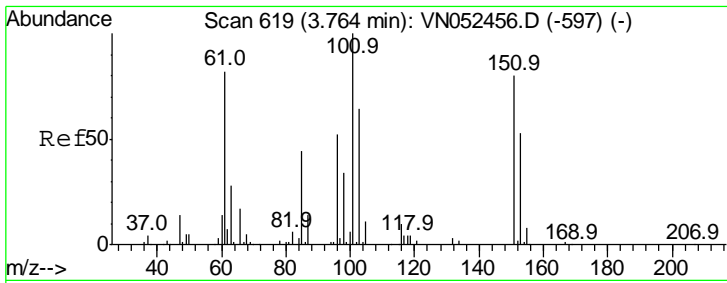
MMDadoda
 12/17/2018 3:05:46 PM



#8
 Diethyl Ether
 Concen: 20.261 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion: 74 Resp: 113265
 Ion Ratio Lower Upper
 74 100
 45 96.0 20.6 185.8





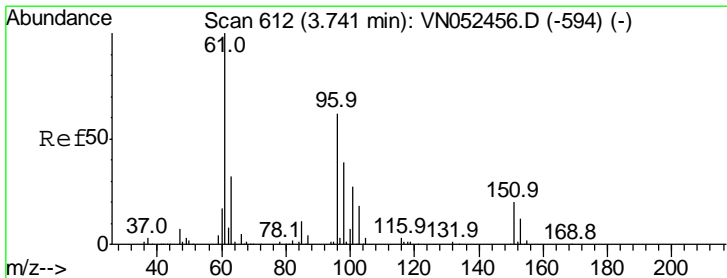
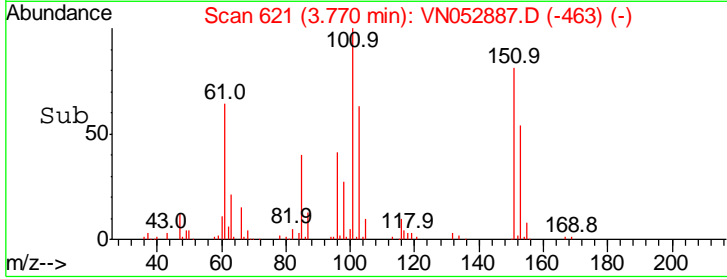
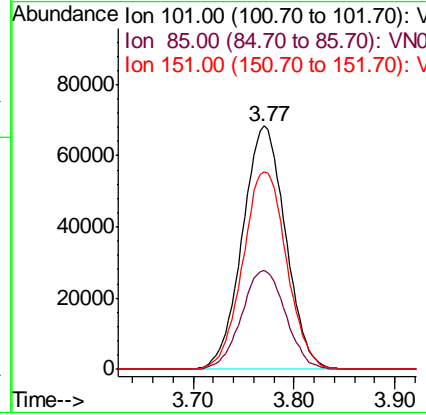
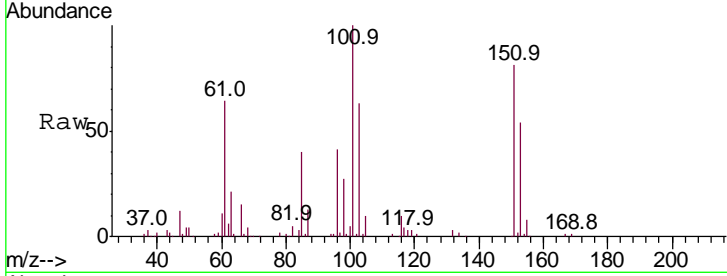
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.149 ug/l
 RT: 3.77 min Scan# 621
 Delta R.T. 0.01 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument :
 MSVOA_N
ClientSampled :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
101	100		
85	41.5	0.0	82.6
151	82.6	0.0	158.4

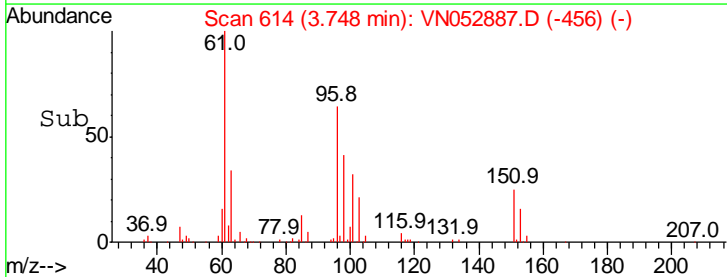
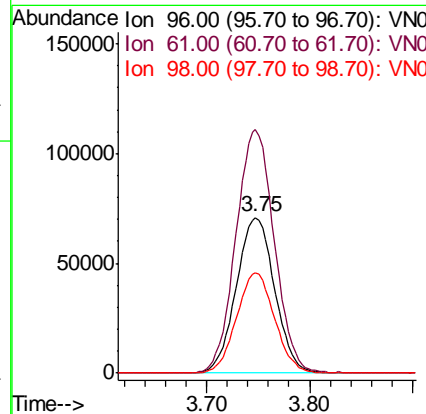
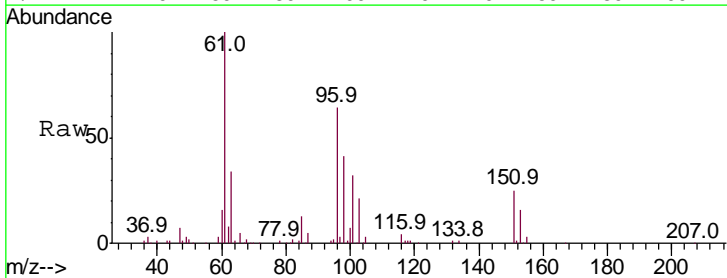
Manual Integrations
APPROVED

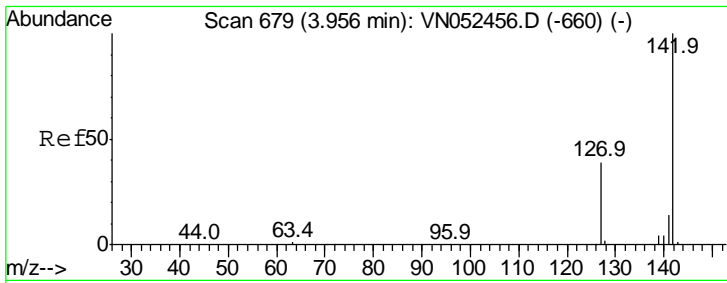
MMDadoda
 12/17/2018 3:05:46 PM



#10
 1,1-Dichloroethene
 Concen: 20.370 ug/l
 RT: 3.75 min Scan# 614
 Delta R.T. 0.01 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.8	129.4	194.2
98	64.6	50.4	75.6



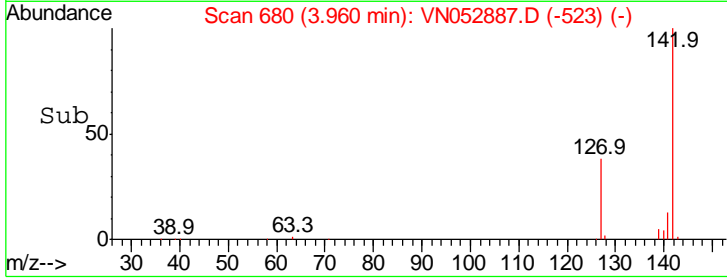
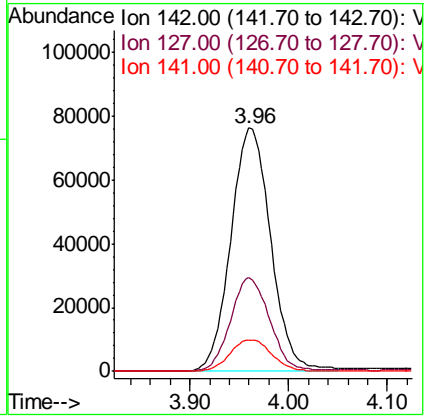
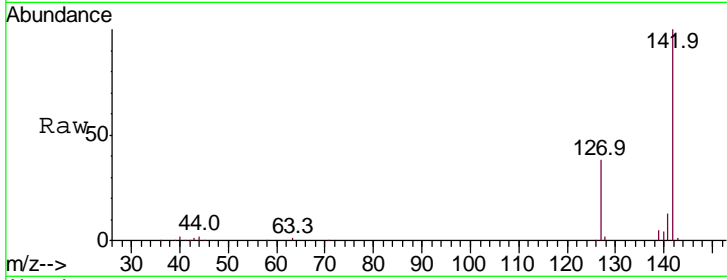


#11
Methyl Iodide
Concen: 17.178 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN052887.D
Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
ClientSampled : VSTDCCC020EC

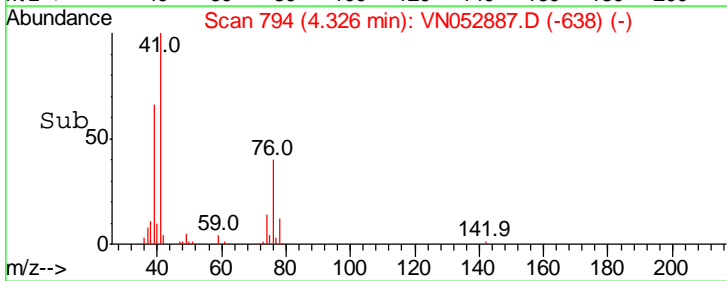
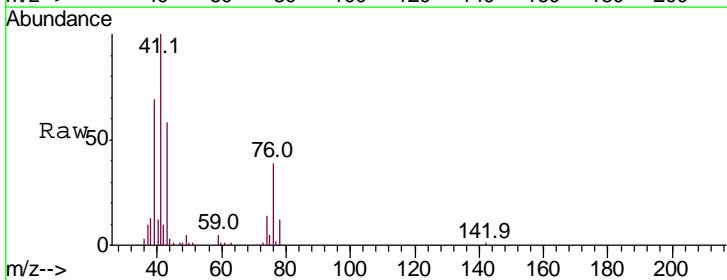
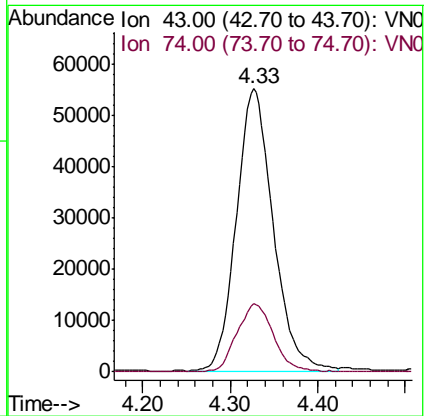
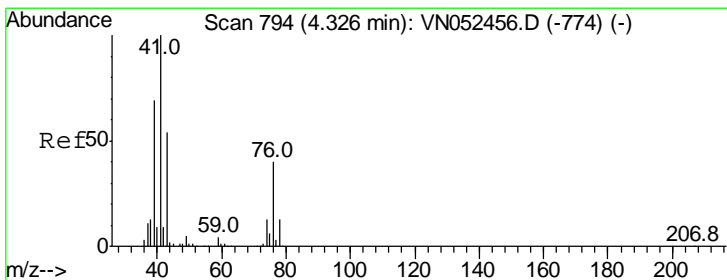
Tgt Ion	Resp	Lower	Upper
142	215221		
142	100		
127	38.4	19.4	58.1
141	13.1	7.2	21.6

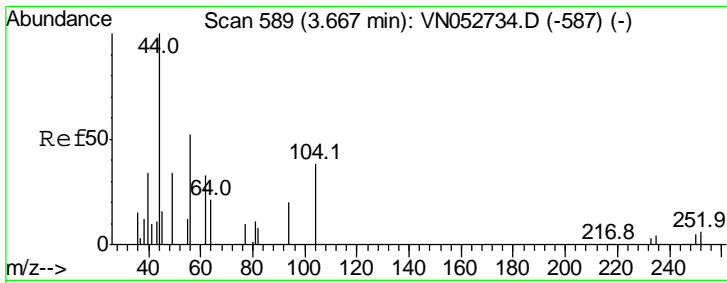
Manual Integrations
APPROVED
MMDadoda
12/17/2018 3:05:46 PM



#12
Methyl Acetate
Concen: 20.951 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052887.D
Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
43	160641		
43	100		
74	24.4	18.9	28.3





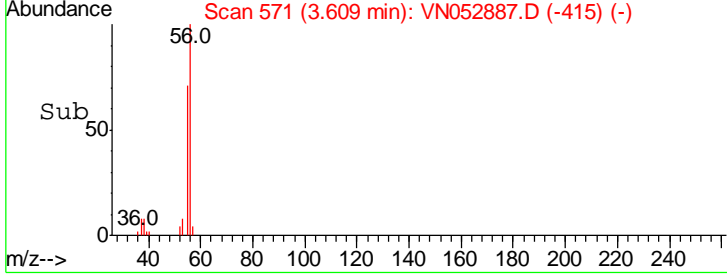
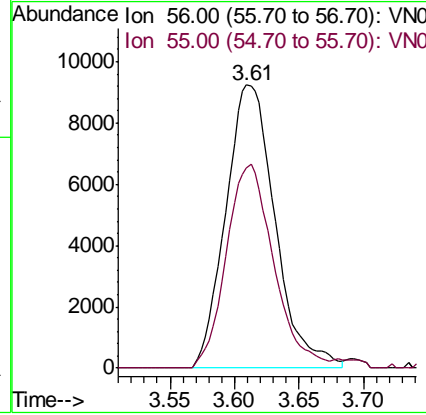
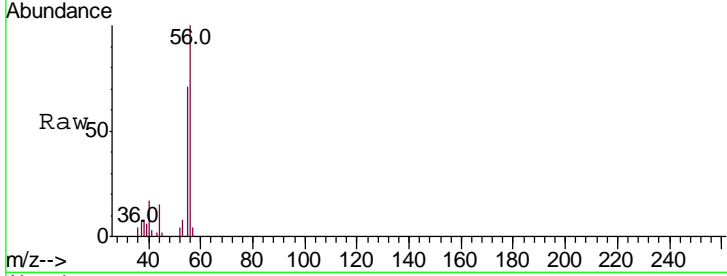
#13
 Acrolein
 Concen: 27.356 ug/l
 RT: 3.61 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
 ClientSampled : VSTDCCC020EC

Tgt Ion	Resp	Lower	Upper
56	100		
55	69.0	56.7	85.1

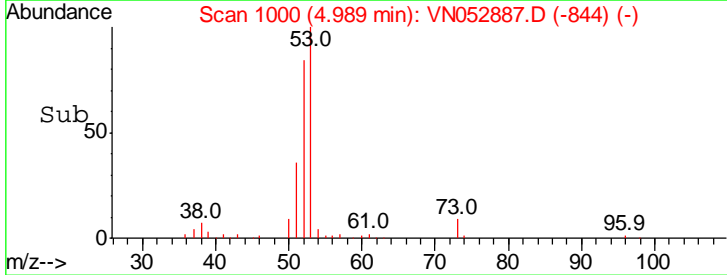
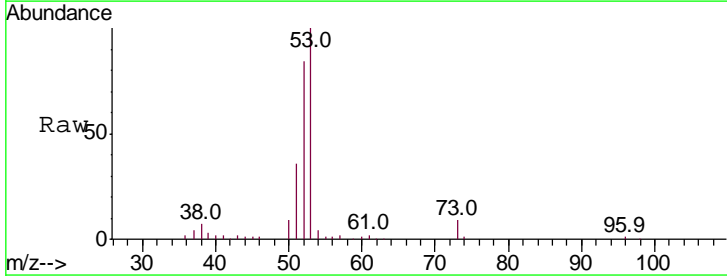
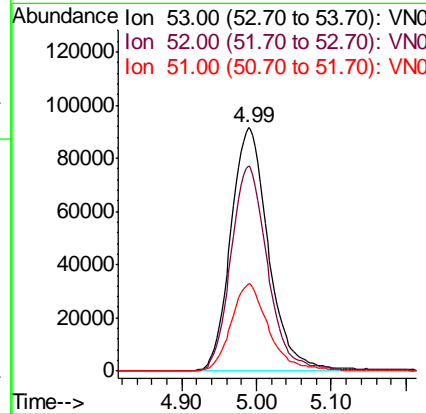
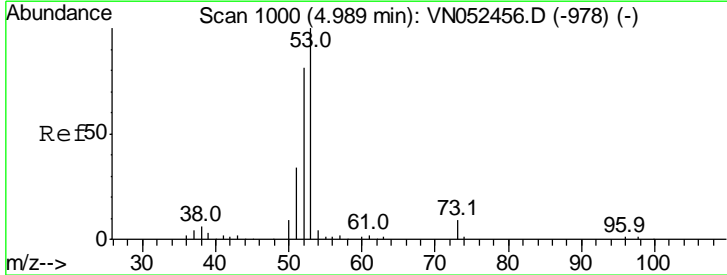
Manual Integrations
 APPROVED

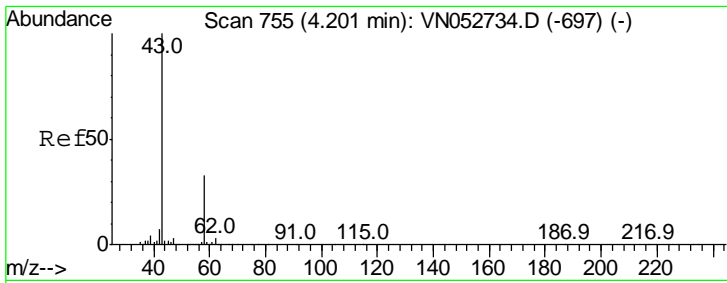
MMDadoda
 12/17/2018 3:05:46 PM



#14
 Acrylonitrile
 Concen: 97.886 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
53	100		
52	80.9	39.9	119.7
51	36.0	17.6	52.9





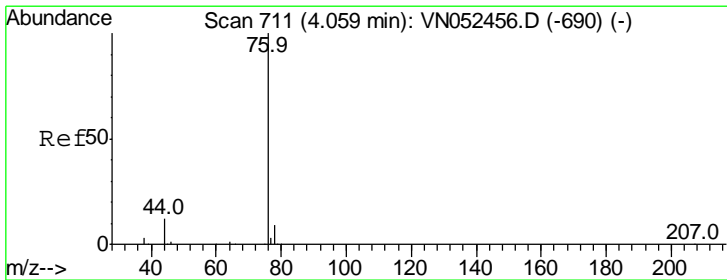
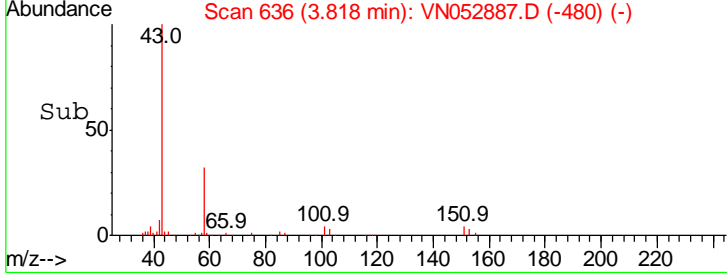
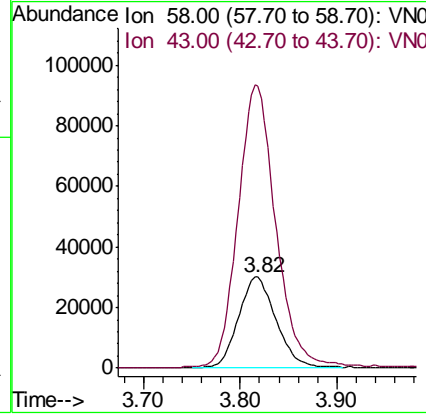
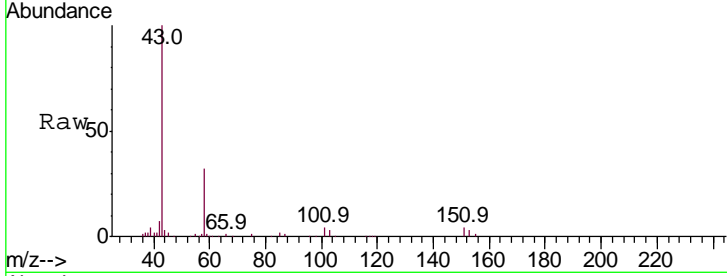
#15
 Acetone
 Concen: 96.939 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
58	100		
43	306.7	243.6	365.4

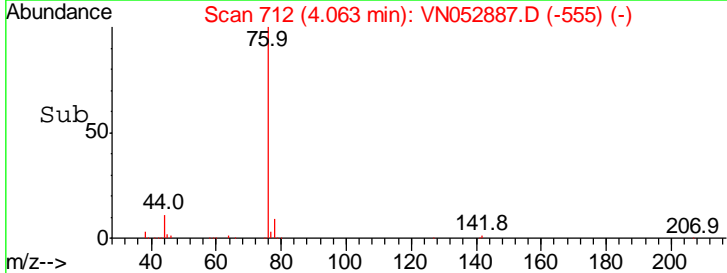
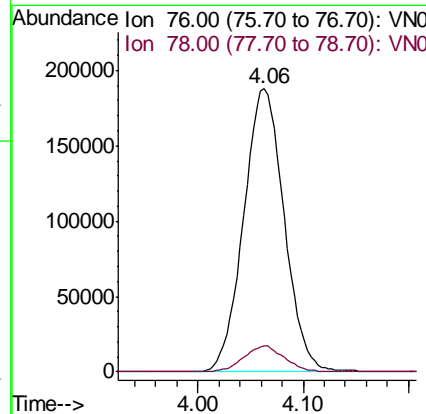
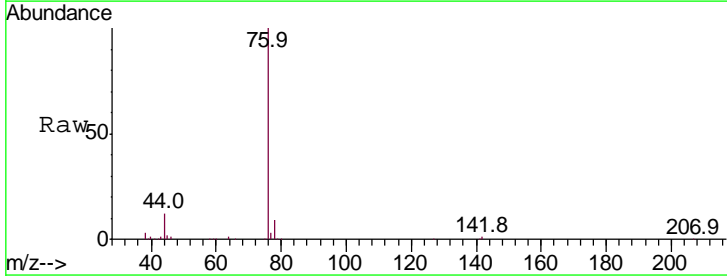
Manual Integrations
 APPROVED

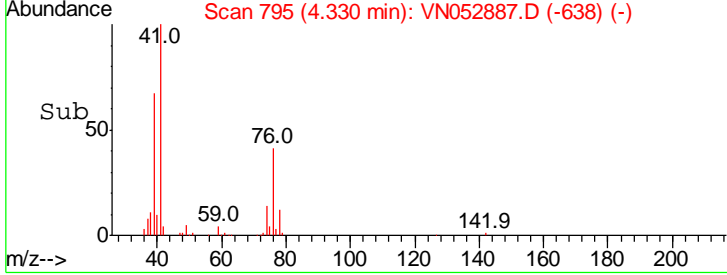
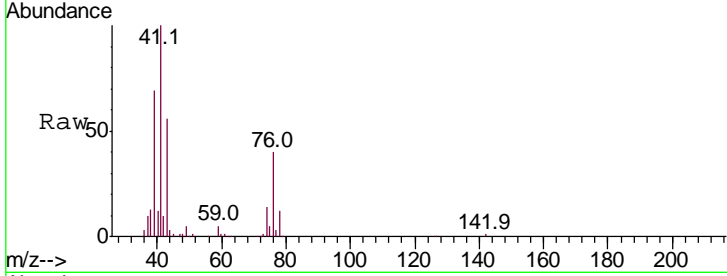
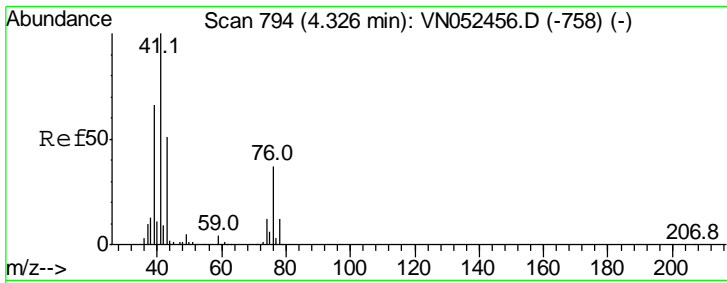
MMDadoda
 12/17/2018 3:05:46 PM



#16
 Carbon Disulfide
 Concen: 17.578 ug/l
 RT: 4.06 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9





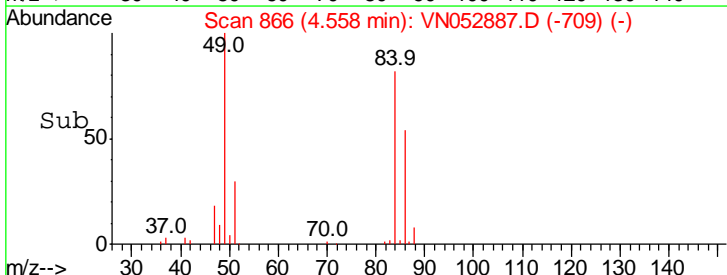
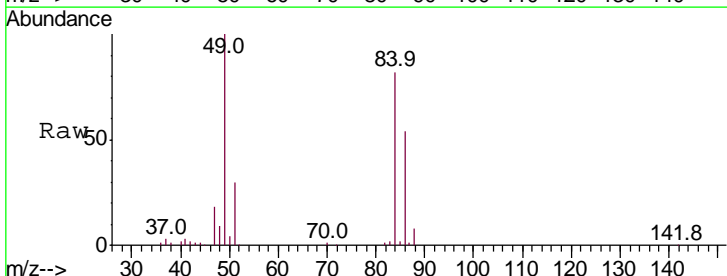
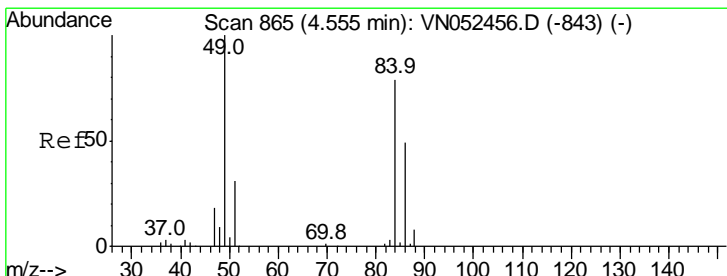
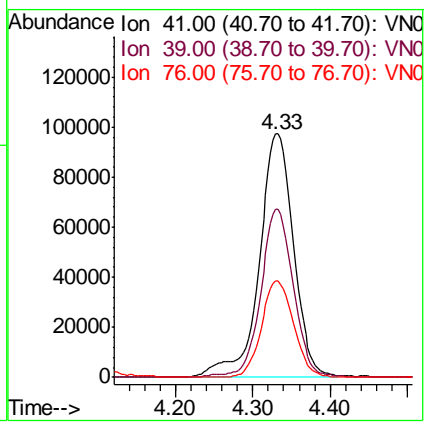
#17
 Allyl chloride
 Concen: 18.979 ug/l
 RT: 4.33 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion: 41 Resp: 298687

Ion	Ratio	Lower	Upper
41	100		
39	69.3	32.8	98.3
76	39.6	18.6	55.8

Instrument : MSVOA_N
 ClientSampled : VSTDCCC020EC

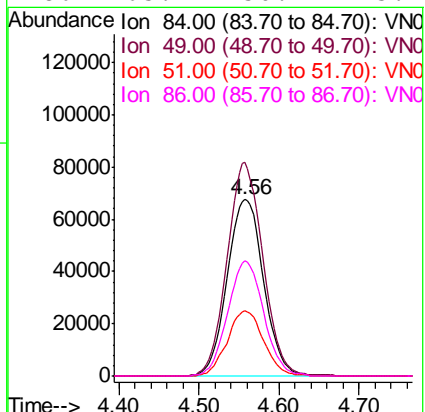
Manual Integrations APPROVED
 MMDadoda
 12/17/2018 3:05:46 PM

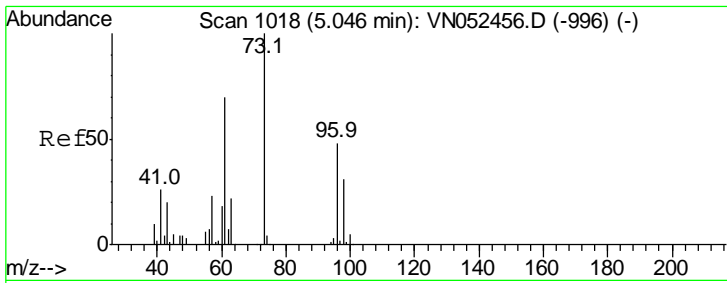


#18
 Methylene Chloride
 Concen: 19.969 ug/l
 RT: 4.56 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion: 84 Resp: 208650

Ion	Ratio	Lower	Upper
84	100		
49	121.1	101.4	152.0
51	36.8	31.7	47.5
86	65.1	50.1	75.1





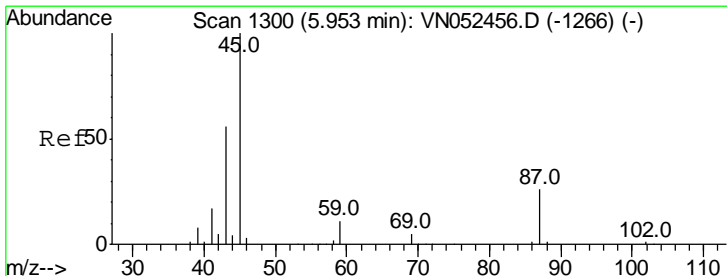
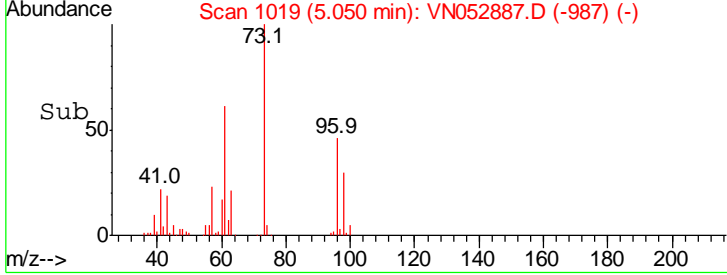
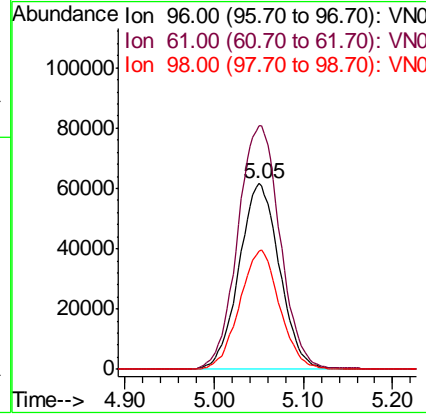
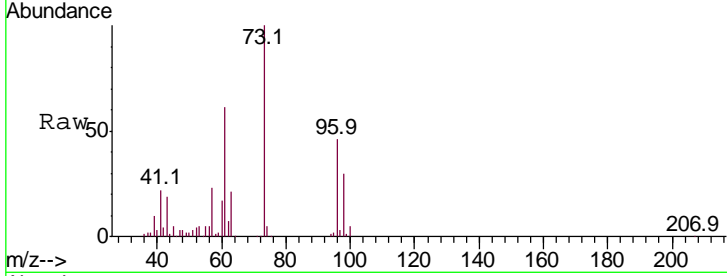
#19
 trans-1,2-Dichloroethene
 Concen: 20.022 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument :
 MSVOA_N
ClientSampled :
 VSTDCCC020EC

Tgt Ion	Resp	Lower	Upper
96	100		
61	130.7	118.2	177.4
98	63.7	51.4	77.2

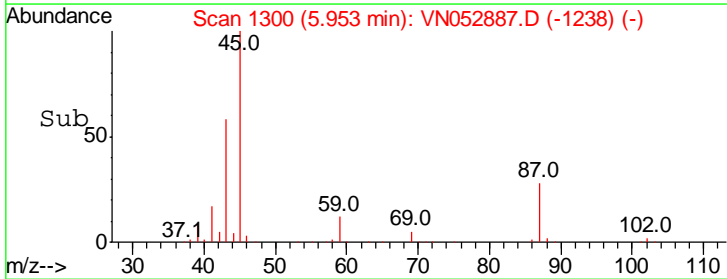
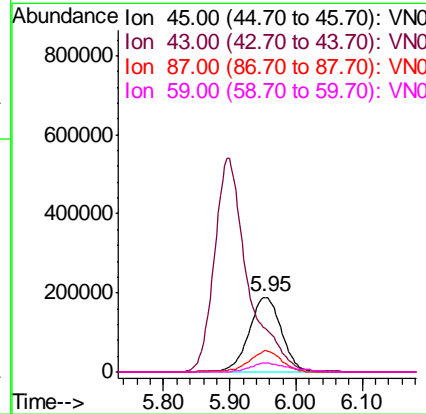
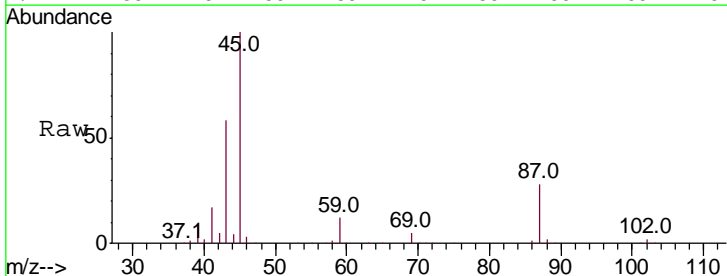
Manual Integrations
APPROVED

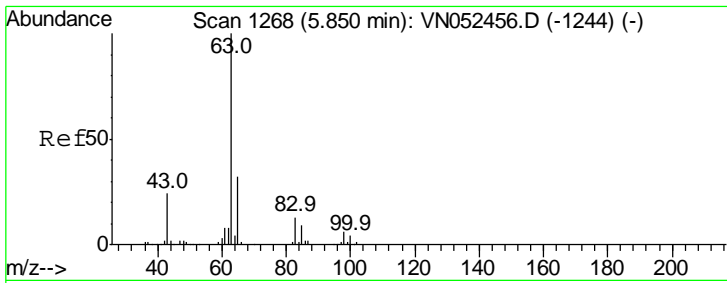
MMDadoda
 12/17/2018 3:05:46 PM



#20
 Diisopropyl ether
 Concen: 19.447 ug/l
 RT: 5.95 min Scan# 1300
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
45	100		
43	56.8	47.8	71.8
87	28.4	21.3	31.9
59	11.6	8.9	13.3





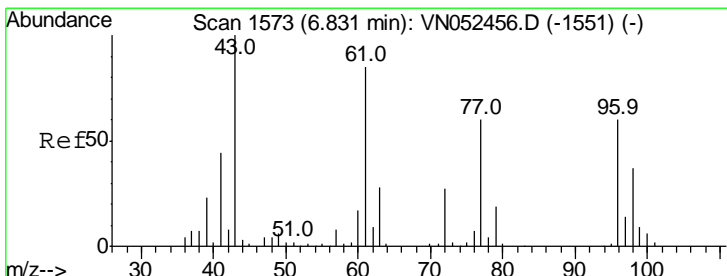
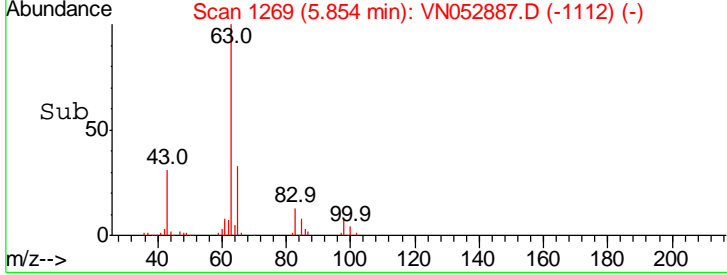
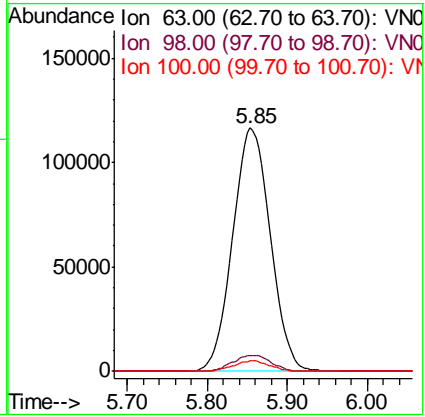
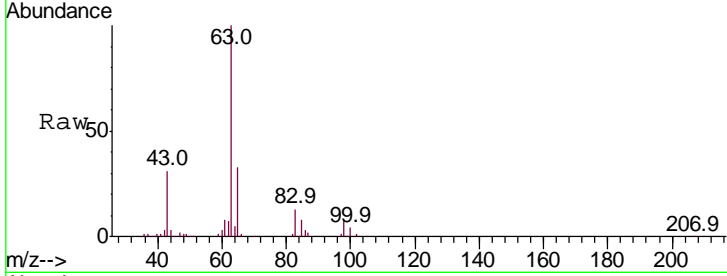
#21
 1,1-Dichloroethane
 Concen: 19.749 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
 ClientSampled : VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.0	9.2
100	4.3	1.8	5.5

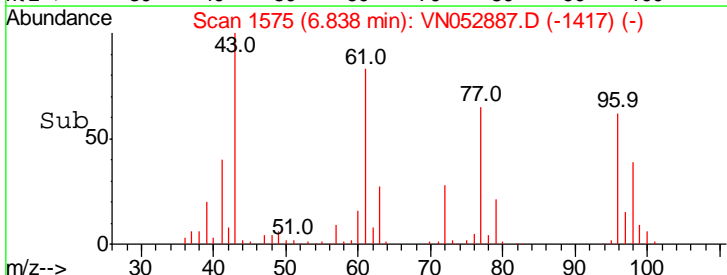
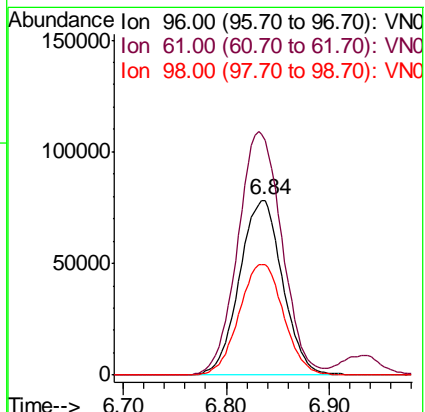
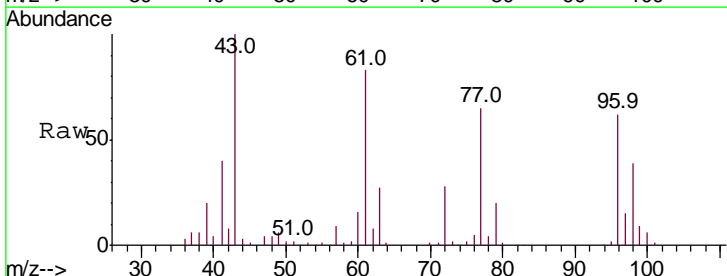
Manual Integrations
 APPROVED

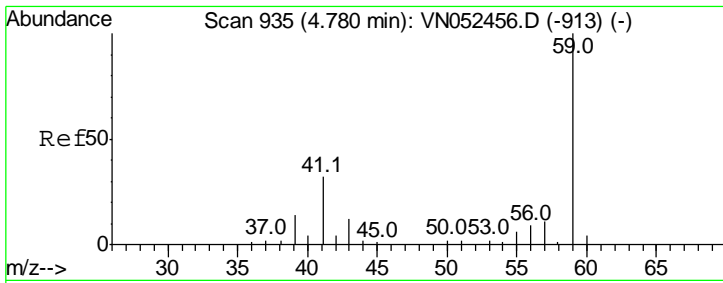
MMDadoda
 12/17/2018 3:05:46 PM



#22
 cis-1,2-Dichloroethene
 Concen: 20.449 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.5	116.7	175.1
98	65.2	50.8	76.2



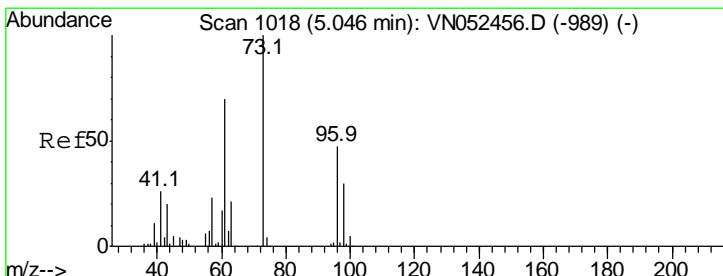
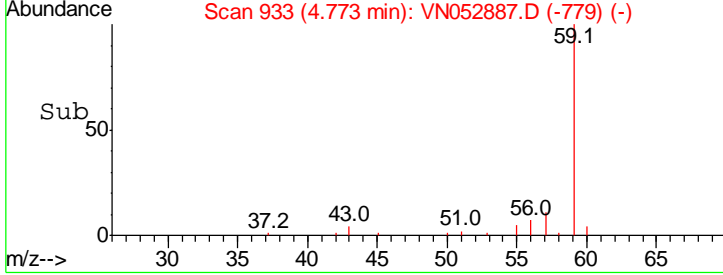
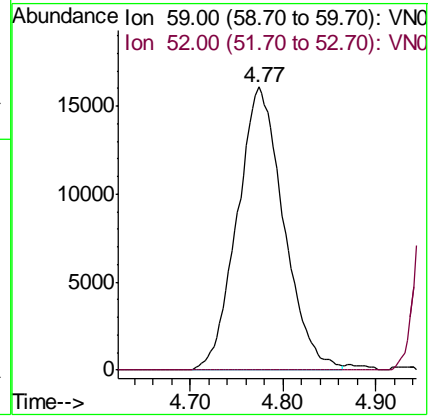
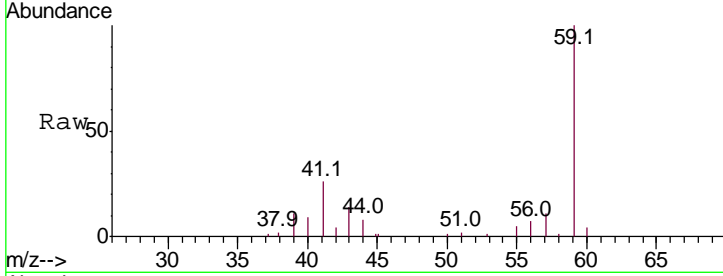


#23
 tert-Butyl Alcohol
 Concen: 115.151 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020EC

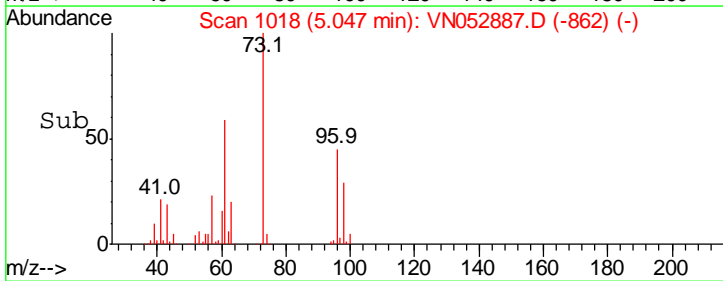
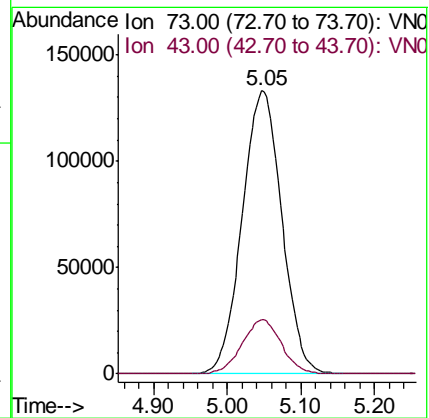
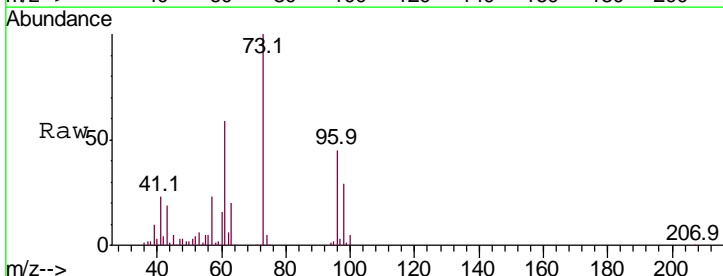
Tgt Ion	Resp	Lower	Upper
59	100		
52	0.0	0.0	0.0

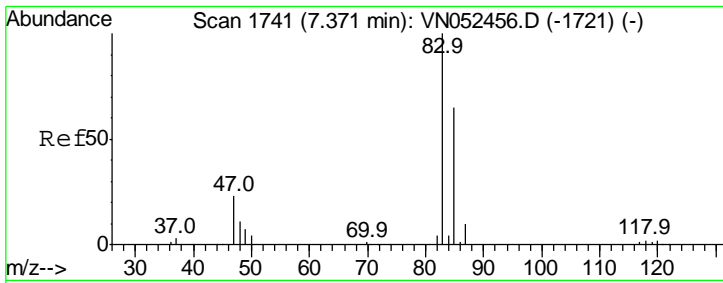
Manual Integrations
APPROVED
 MMDadoda
 12/17/2018 3:05:46 PM



#24
 Methyl tert-Butyl Ether
 Concen: 21.062 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
73	100		
43	18.9	15.8	23.8





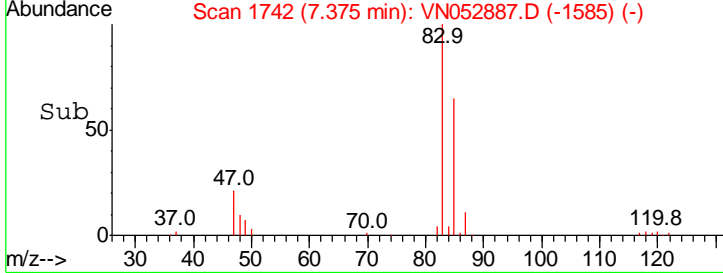
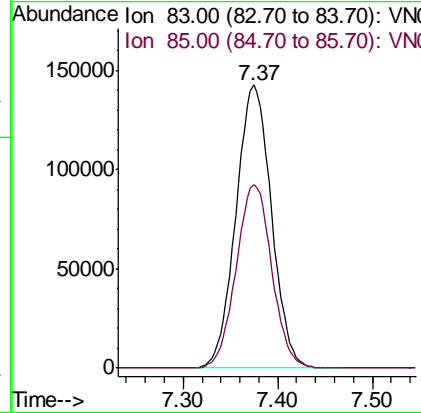
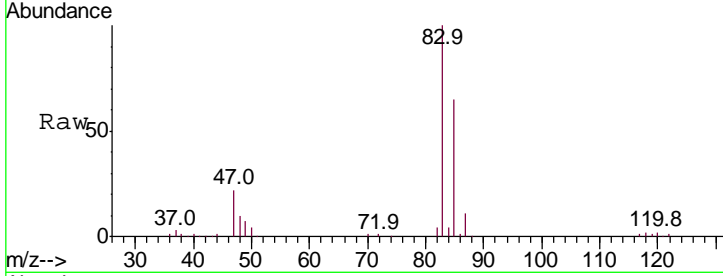
#25
 Chloroform
 Concen: 20.434 ug/l
 RT: 7.37 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument :
 MSVOA_N
ClientSampled :
 VSTDCCC020EC

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.6	51.7	77.5

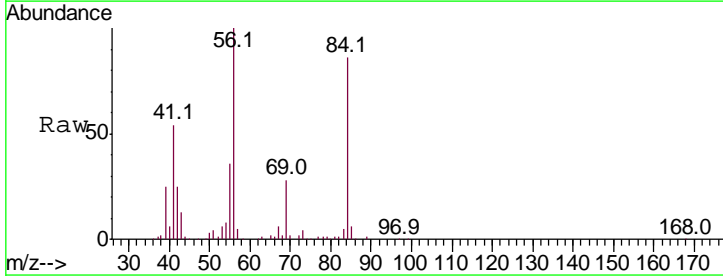
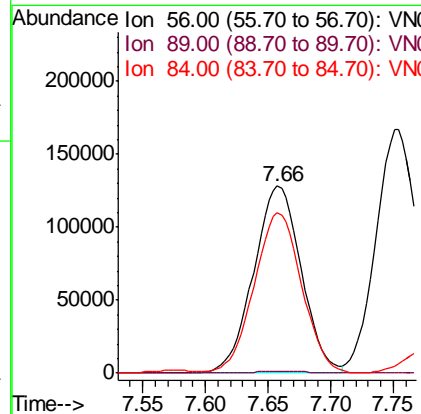
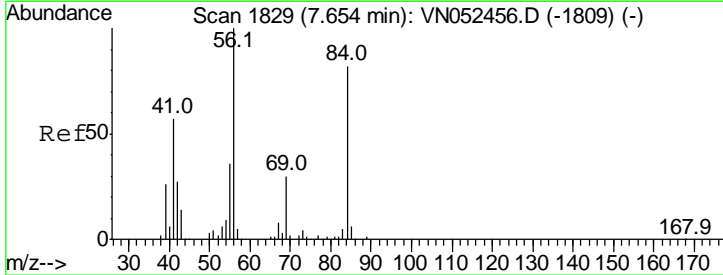
Manual Integrations
APPROVED

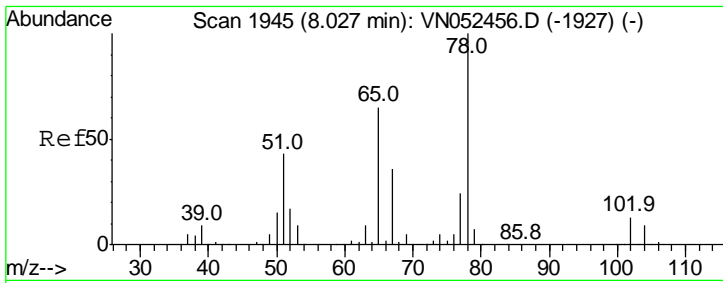
MMDadoda
 12/17/2018 3:05:46 PM



#26
 Cyclohexane
 Concen: 19.067 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
56	100		
89	1.1	0.5	0.7#
84	85.8	66.2	99.2





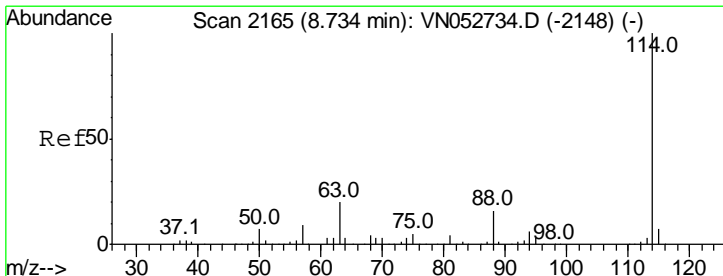
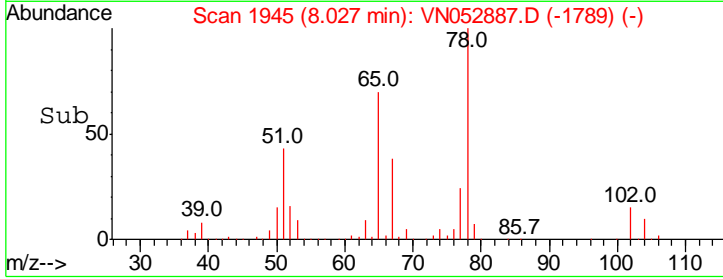
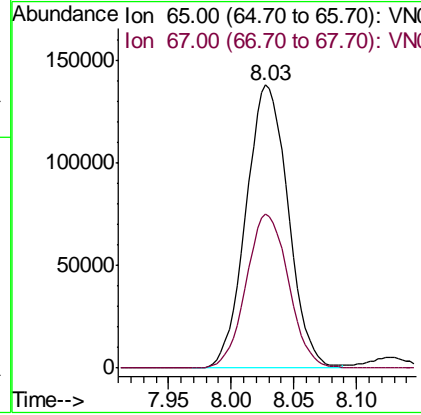
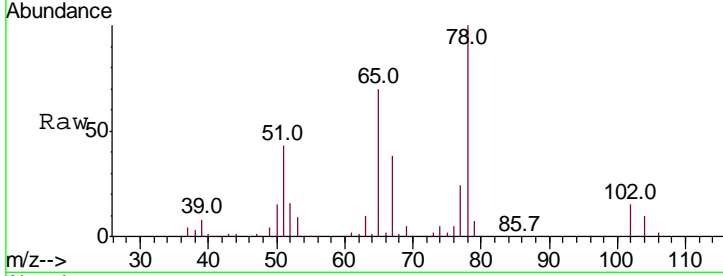
#27
 1,2-Dichloroethane-d4
 Concen: 19.067 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020EC

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.7	44.6	66.8

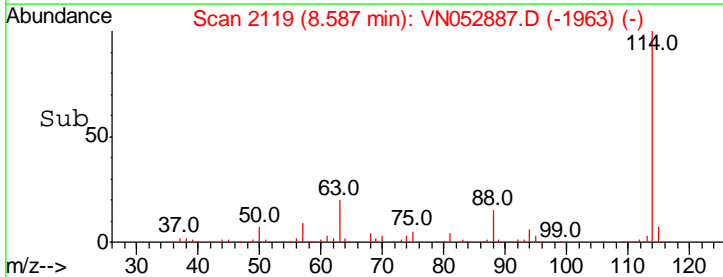
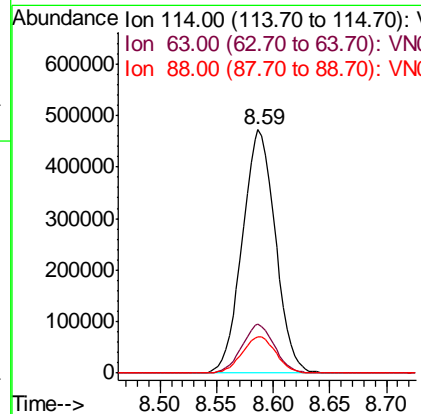
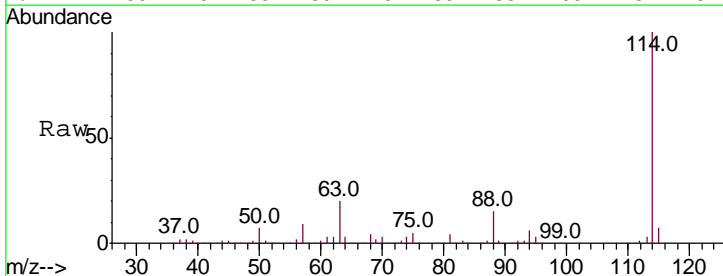
Manual Integrations
 APPROVED

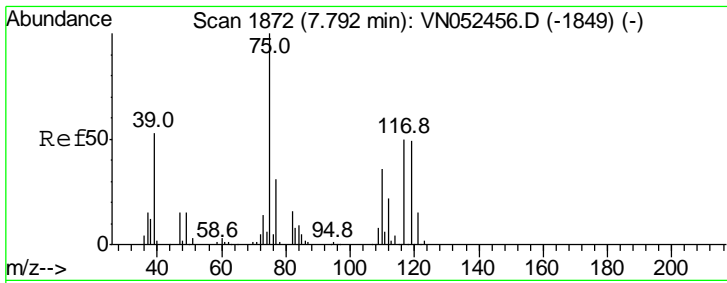
MMDadoda
 12/17/2018 3:05:46 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.8	16.9	25.3
88	15.2	12.8	19.2





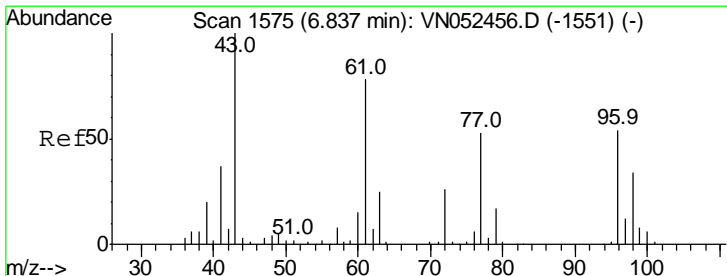
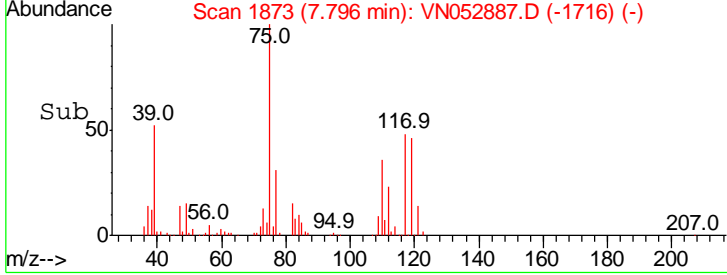
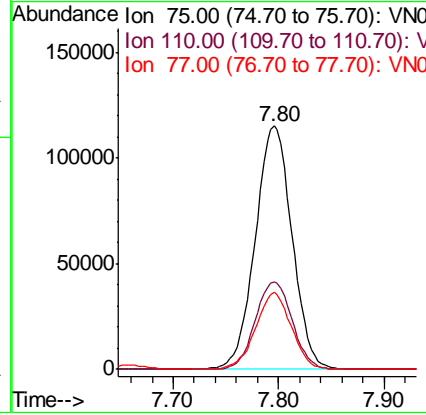
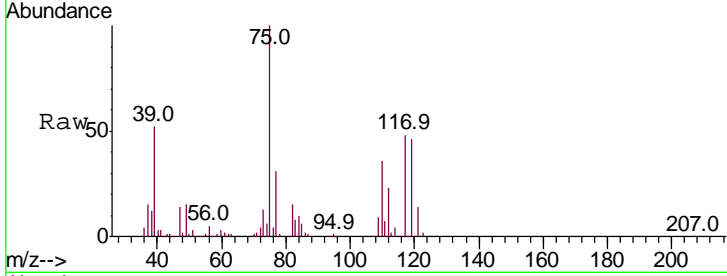
#29
 1,1-Dichloropropene
 Concen: 19.097 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument :
 MSVOA_N
ClientSampled :
 VSTDCCC020EC

Tgt Ion	Resp	Lower	Upper
75	100		
110	35.9	0.0	70.2
77	30.3	0.0	62.6

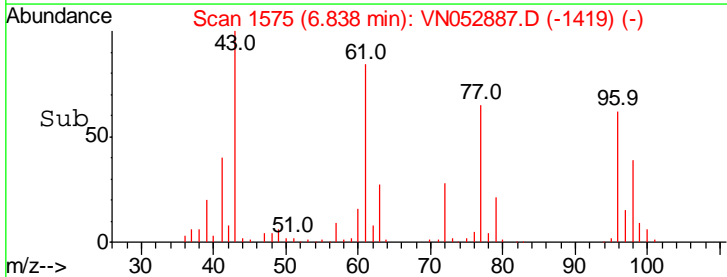
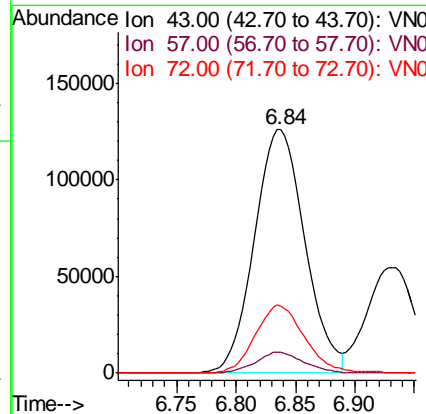
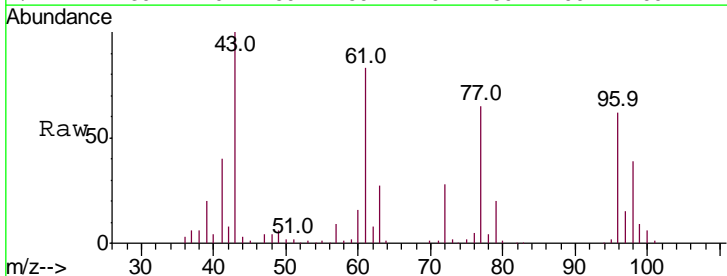
Manual Integrations
APPROVED

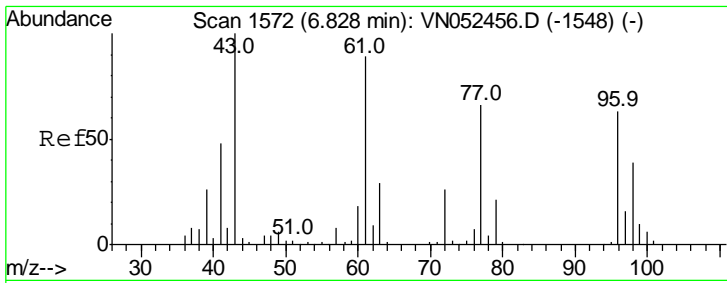
MMDadoda
 12/17/2018 3:05:46 PM



#30
 2-Butanone
 Concen: 93.947 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
43	100		
57	8.1	6.2	9.4
72	27.2	21.0	31.6



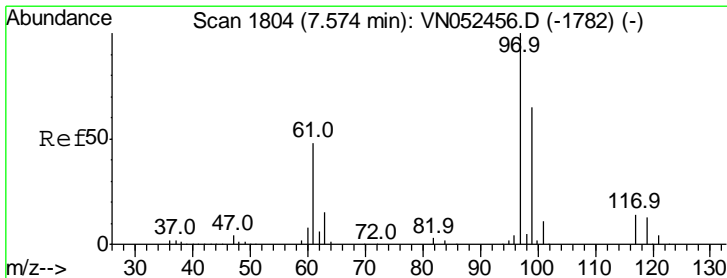
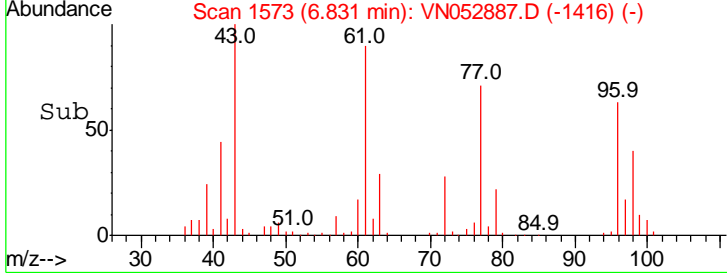
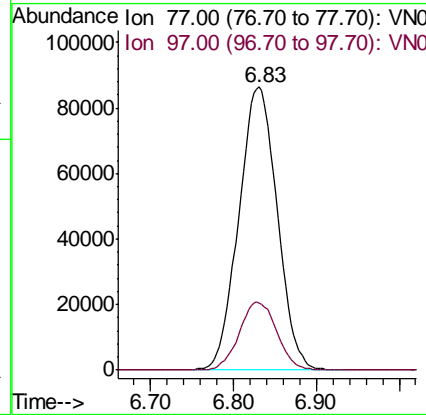
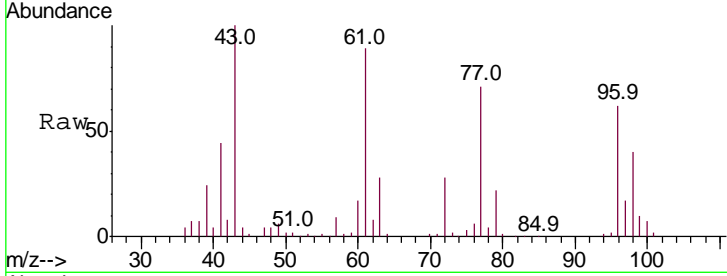


#31
 2,2-Dichloropropane
 Concen: 20.610 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020EC

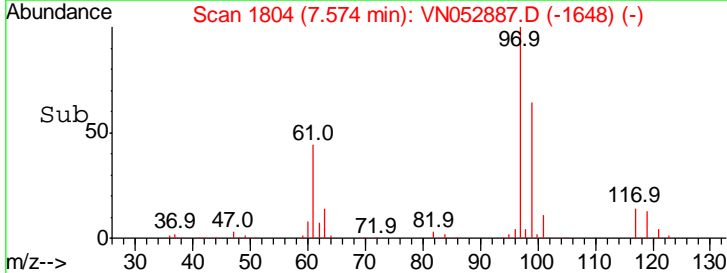
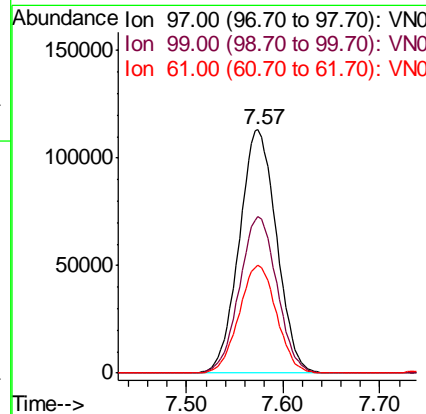
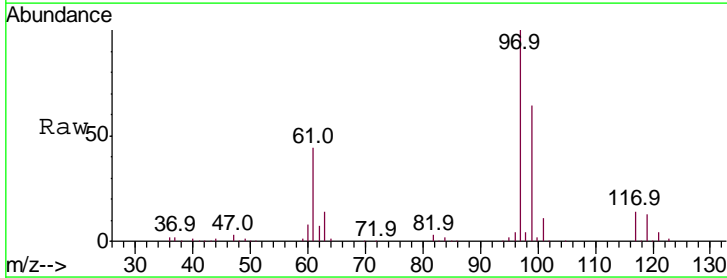
Tgt Ion: 77 Resp: 278265
 Ion Ratio Lower Upper
 77 100
 97 23.5 18.7 28.1

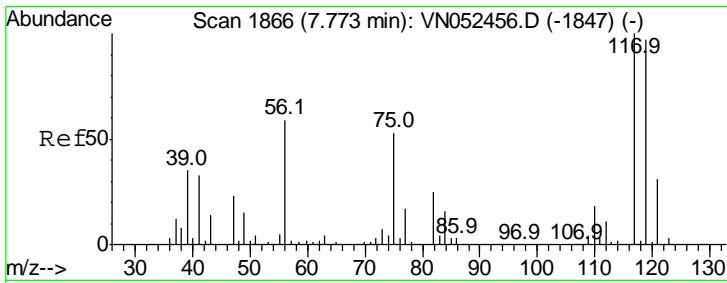
Manual Integrations
 APPROVED
 MMDadoda
 12/17/2018 3:05:46 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.890 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion: 97 Resp: 303519
 Ion Ratio Lower Upper
 97 100
 99 64.5 50.9 76.3
 61 44.5 38.1 57.1





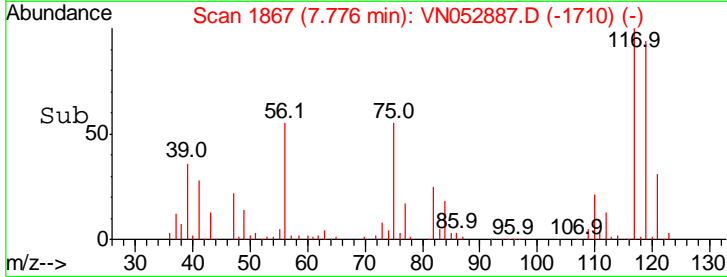
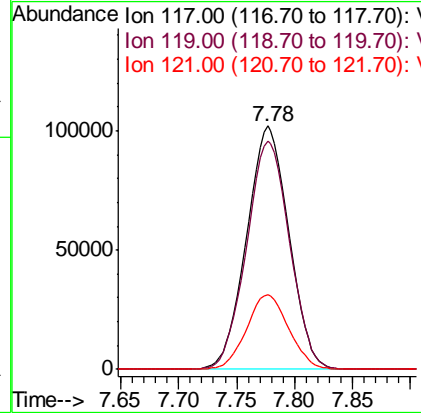
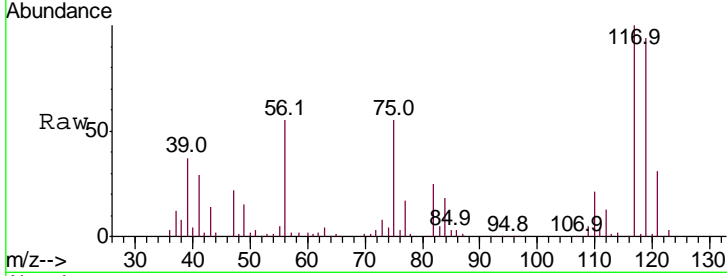
#33
 Carbon Tetrachloride
 Concen: 19.358 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
 ClientSampled : VSTDCCC020EC

Tgt Ion	Resp	Lower	Upper
117	100		
119	93.7	77.3	115.9
121	30.8	24.9	37.3

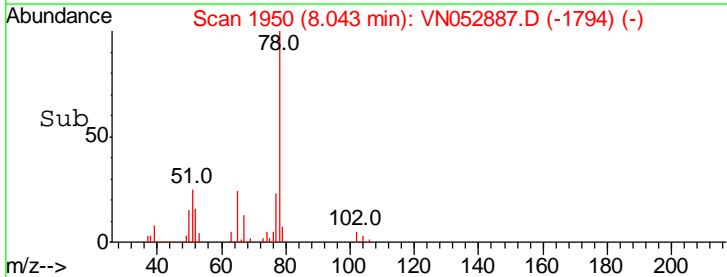
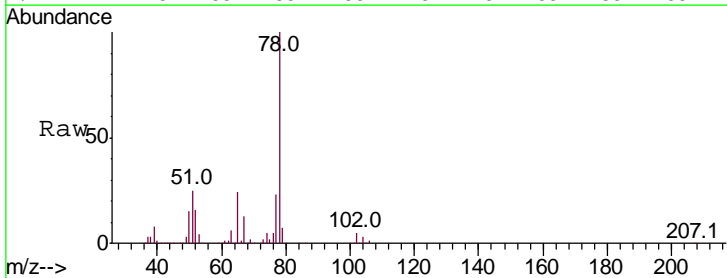
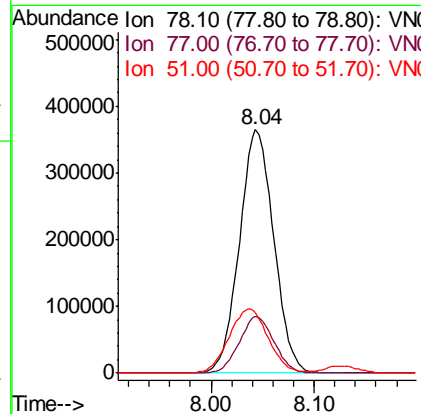
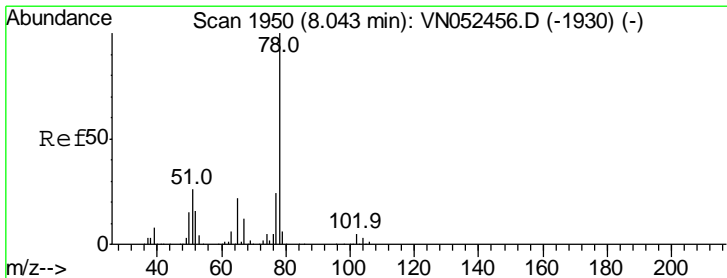
Manual Integrations
 APPROVED

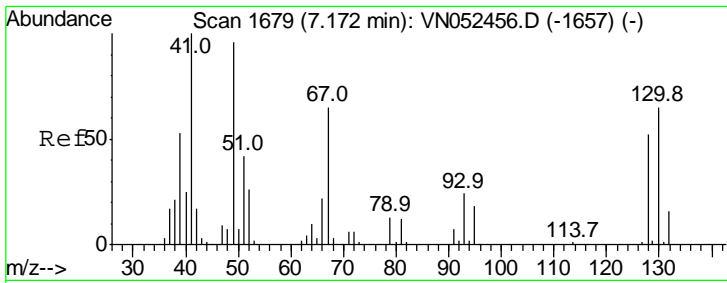
MMDadoda
 12/17/2018 3:05:46 PM



#34
 Benzene
 Concen: 19.201 ug/l
 RT: 8.04 min Scan# 1950
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
78	100		
77	23.3	19.0	28.6
51	24.6	20.5	30.7





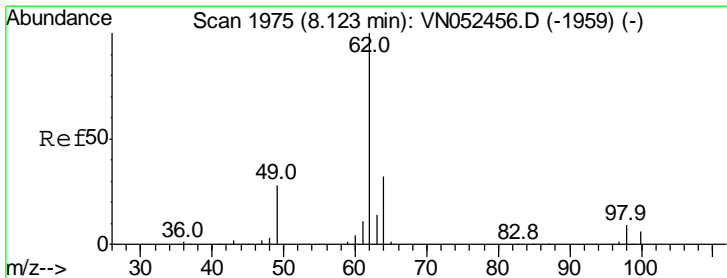
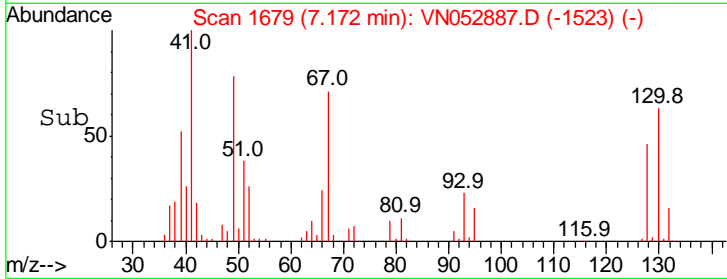
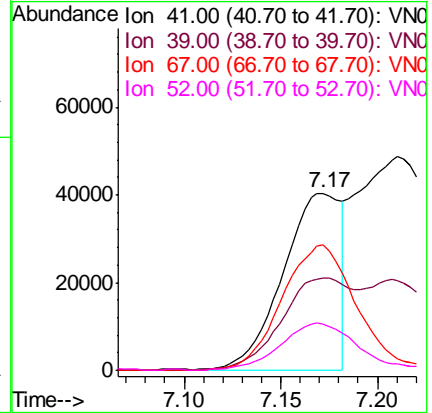
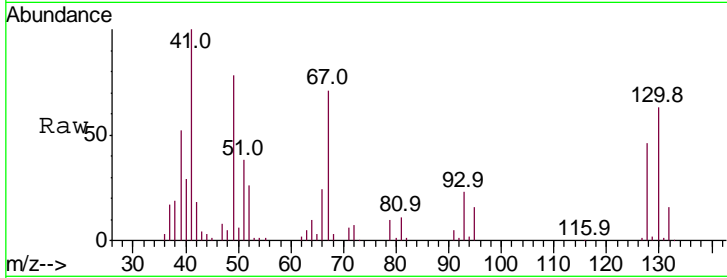
#35
 Methacrylonitrile
 Concen: 17.349 ug/l
 RT: 7.17 min Scan# 1679
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020EC

Tgt Ion	Resp	Lower	Upper
41	100		
39	52.2	26.6	79.7
67	70.7	32.3	96.9
52	25.7	13.0	38.9

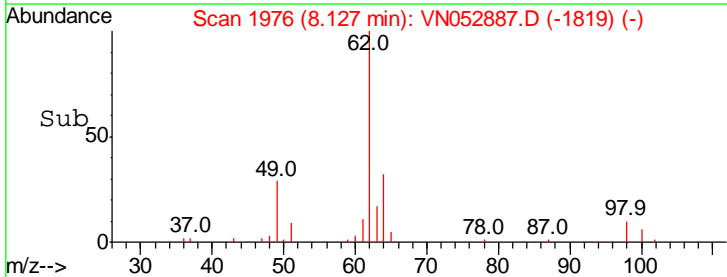
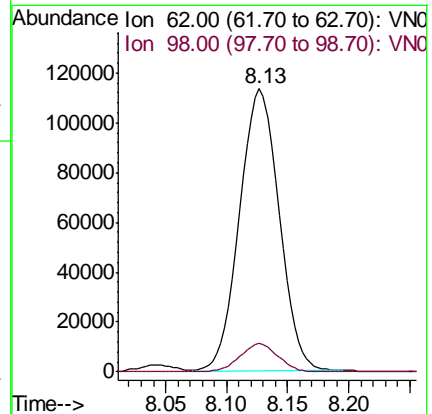
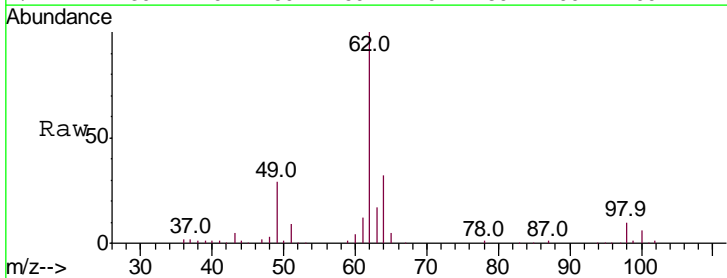
Manual Integrations
 APPROVED

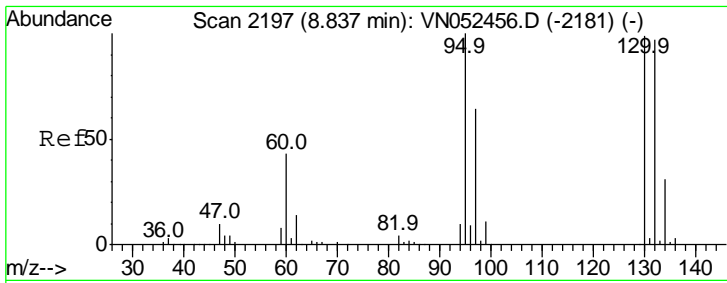
MMDadoda
 12/17/2018 3:05:46 PM



#36
 1,2-Dichloroethane
 Concen: 19.110 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
62	100		
98	9.6	7.4	11.2





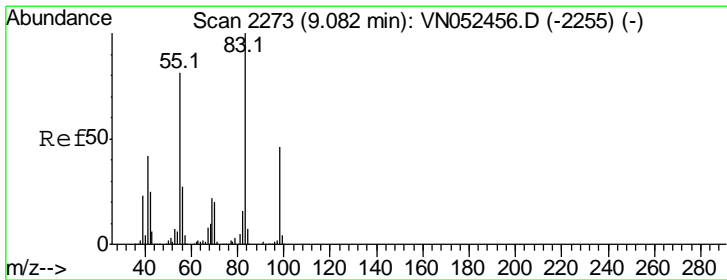
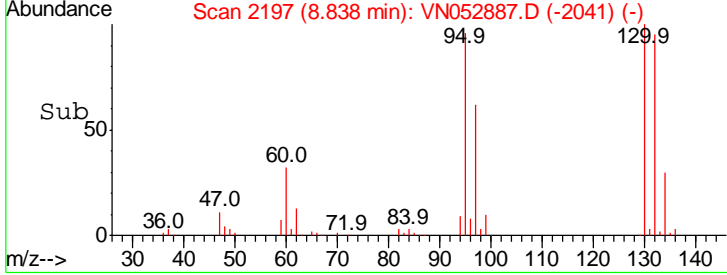
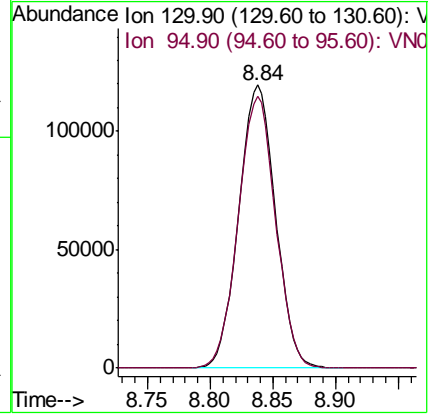
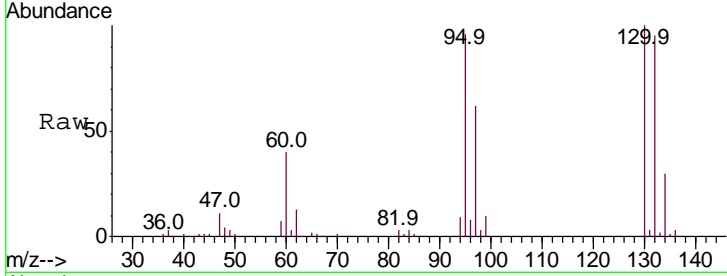
#37
 Trichloroethene
 Concen: 21.809 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.0	81.0	121.4

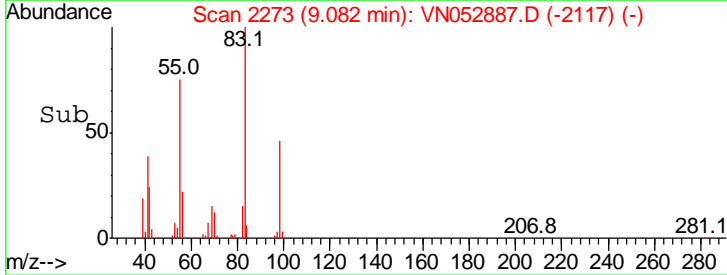
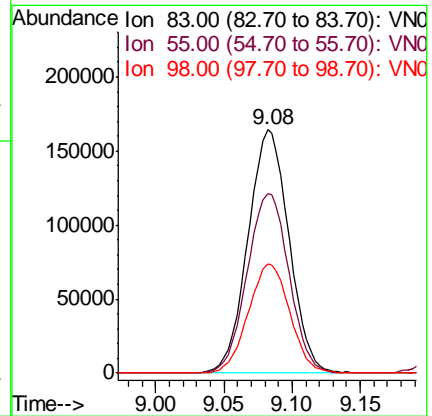
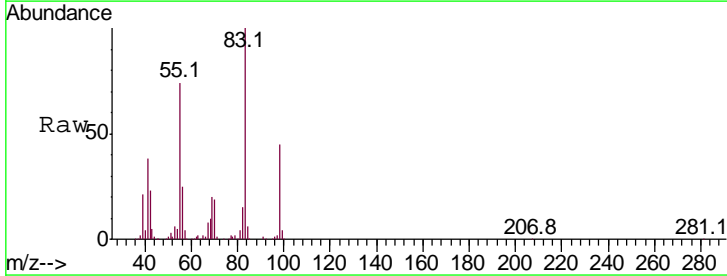
Manual Integrations
 APPROVED

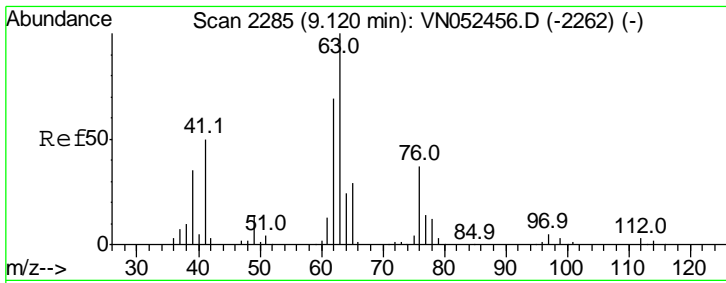
MMDadoda
 12/17/2018 3:05:46 PM



#38
 Methylcyclohexane
 Concen: 18.916 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.1	39.8	119.4
98	45.4	22.9	68.5





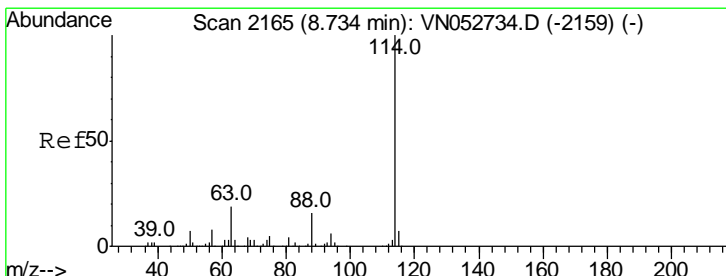
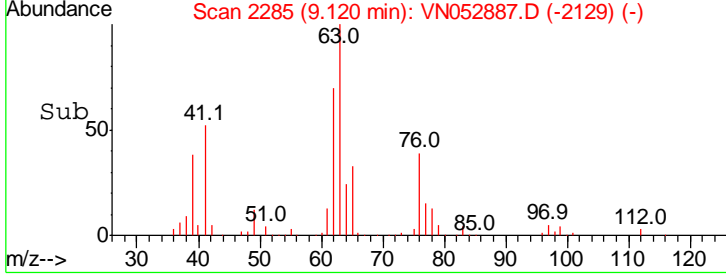
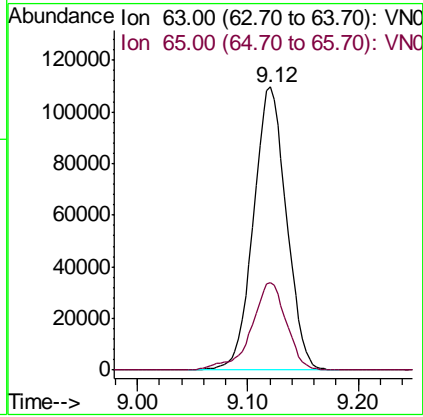
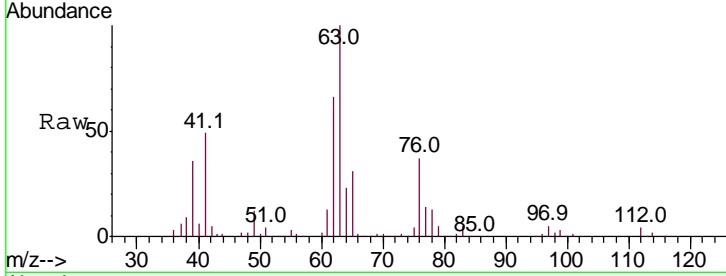
#39
 1,2-Dichloropropane
 Concen: 19.195 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020EC

Tgt Ion	Resp	Lower	Upper
63	100		
65	30.9	23.6	35.4

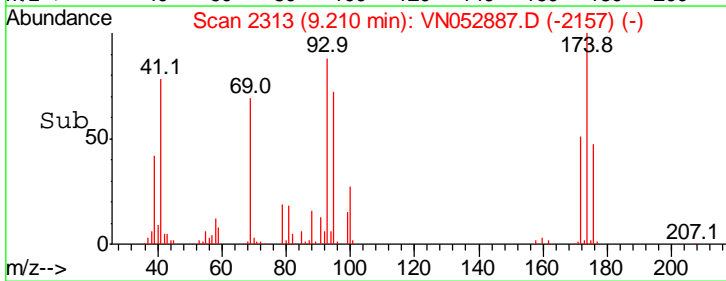
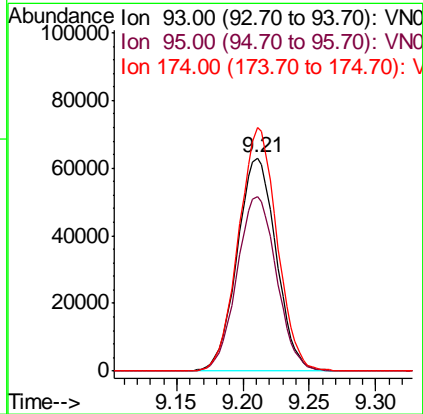
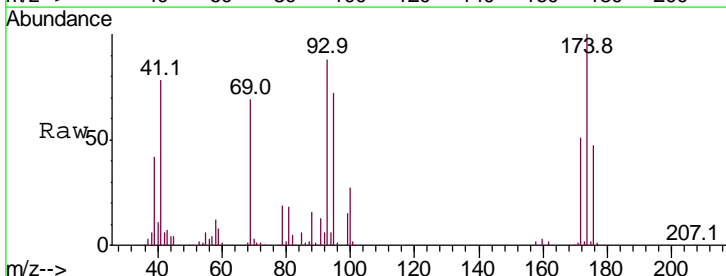
Manual Integrations
 APPROVED

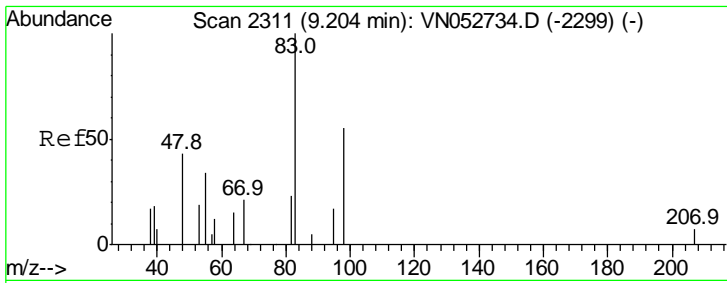
MMDadoda
 12/17/2018 3:05:46 PM



#40
 Dibromomethane
 Concen: 20.180 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
93	100		
95	83.3	0.0	168.4
174	112.5	0.0	210.0





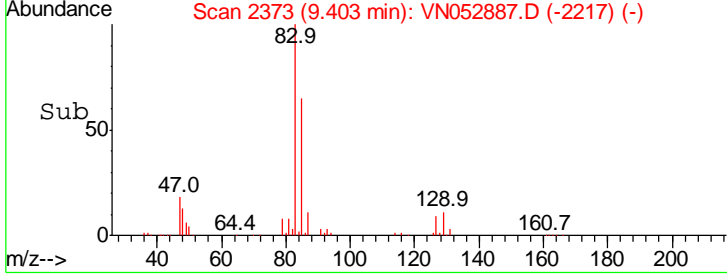
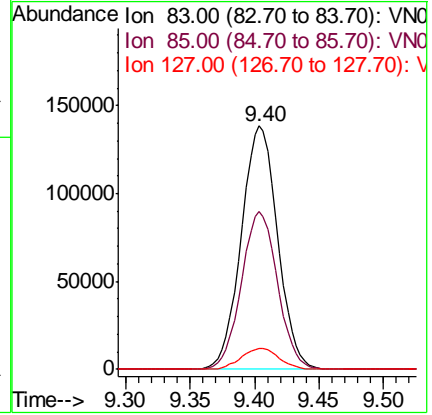
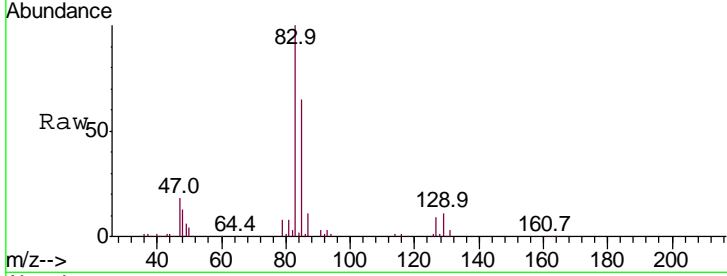
#41
 Bromodichloromethane
 Concen: 19.266 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
 ClientSampled : VSTDCCC020EC

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.6	52.4	78.6
127	8.8	6.6	9.8

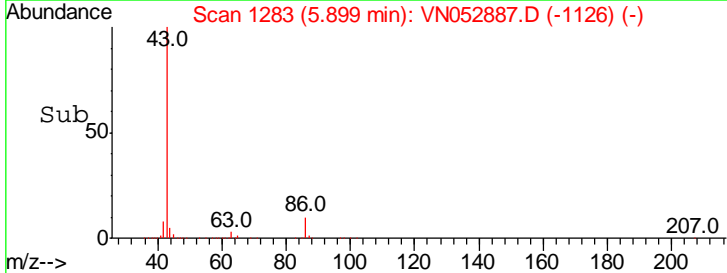
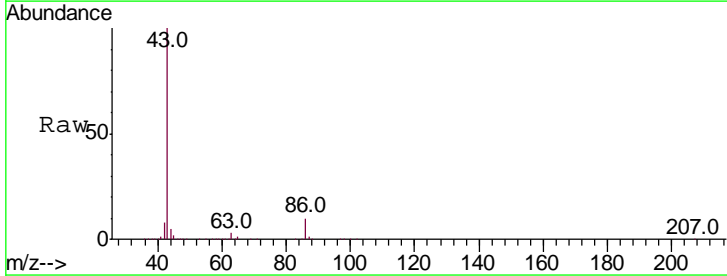
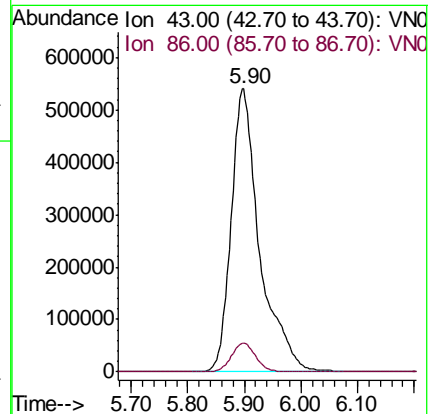
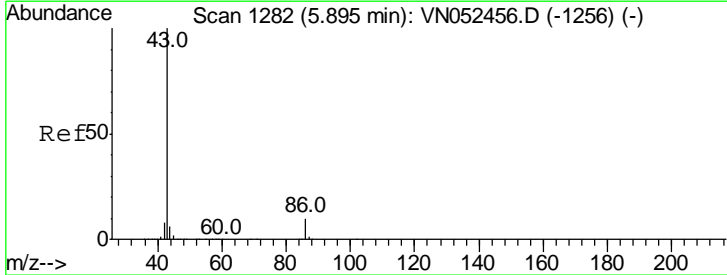
Manual Integrations
 APPROVED

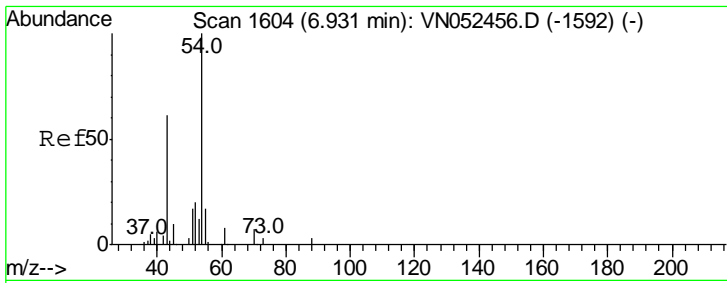
MMDadoda
 12/17/2018 3:05:46 PM



#42
 Vinyl Acetate
 Concen: 89.314 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
43	100		
86	8.7	6.5	9.7





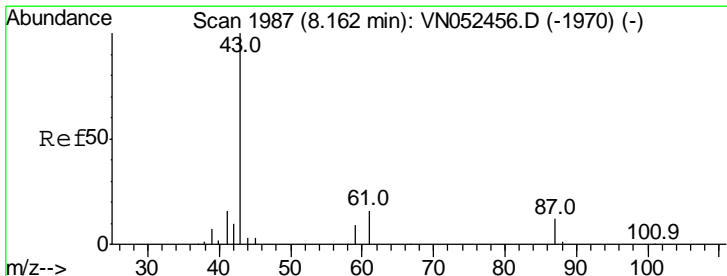
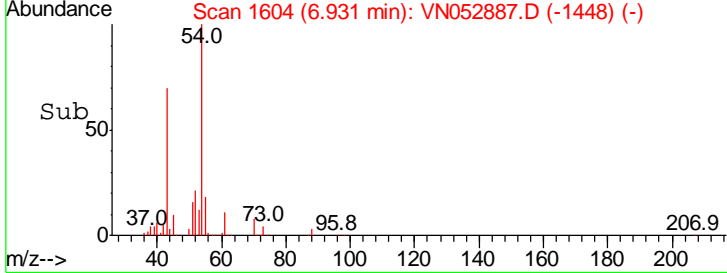
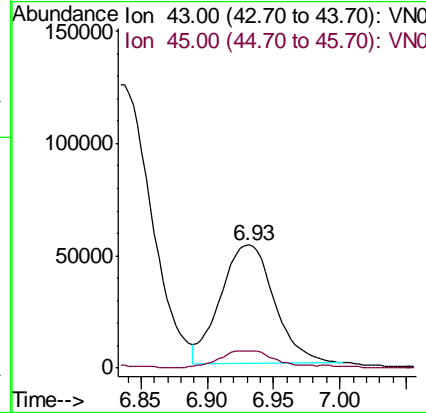
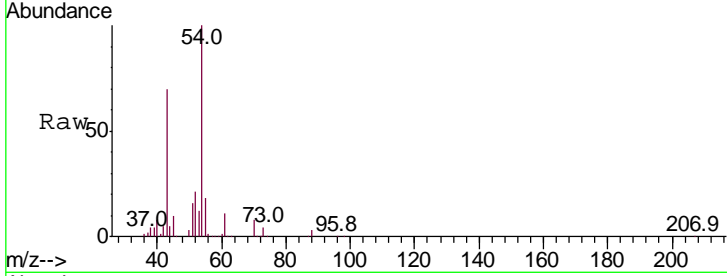
#43
 Ethyl Acetate
 Concen: 17.725 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
 ClientSampled : VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
43	100		
45	7.7	1.0	1.6#

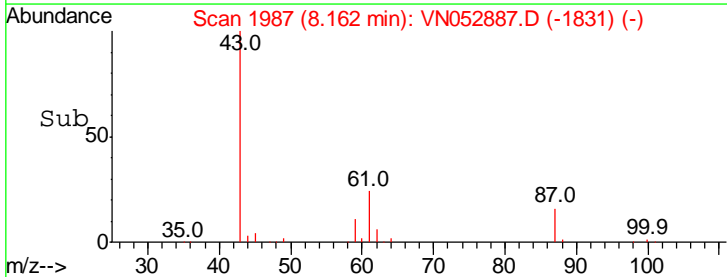
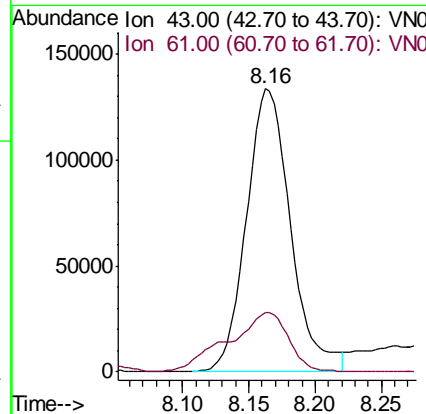
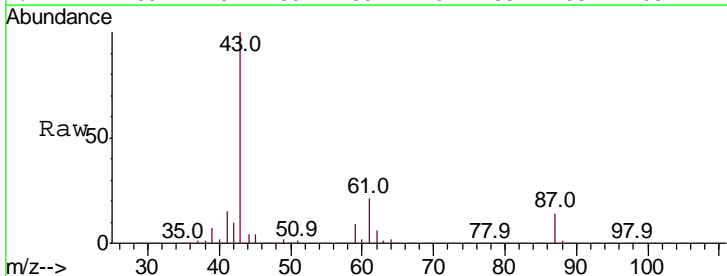
Manual Integrations
 APPROVED

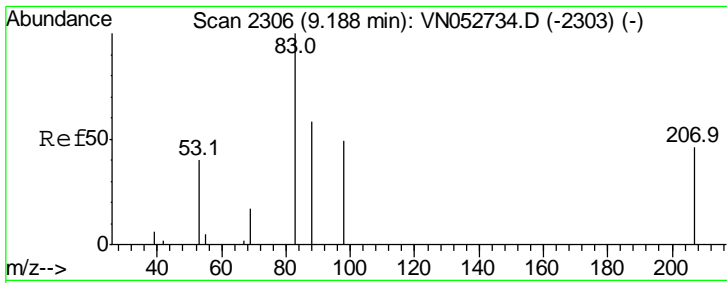
MMDadoda
 12/17/2018 3:05:46 PM



#44
 Isopropyl Acetate
 Concen: 21.065 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.0	24.0





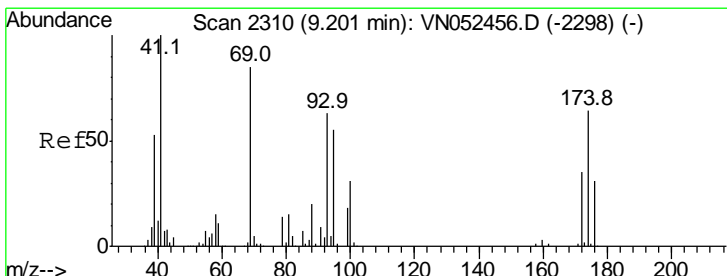
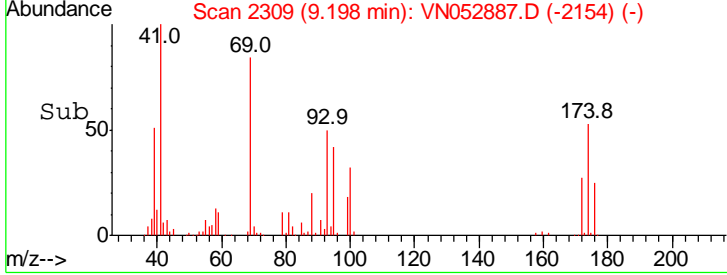
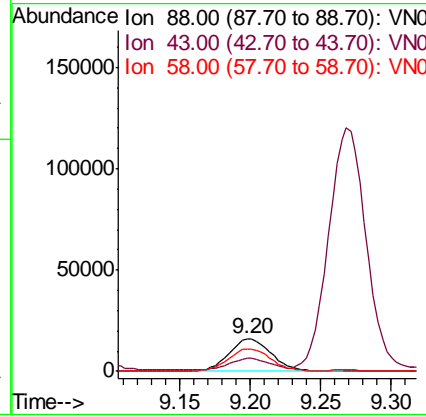
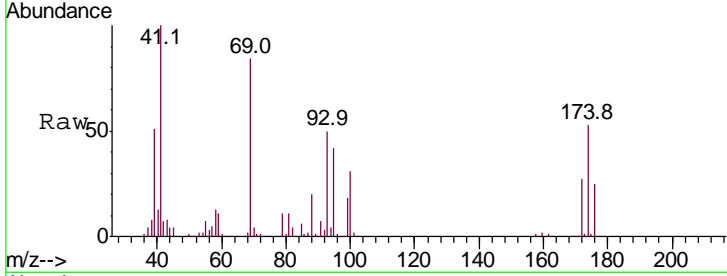
#45
 1,4-Dioxane
 Concen: 421.422 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument :
 MSVOA_N
ClientSampled :
 VSTDCCC020EC

Tgt Ion: 88 Resp: 33740

Ion	Ratio	Lower	Upper
88	100		
43	32.5	29.5	44.3
58	69.8	61.5	92.3

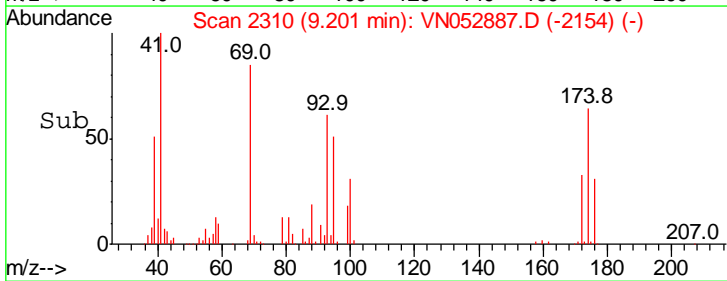
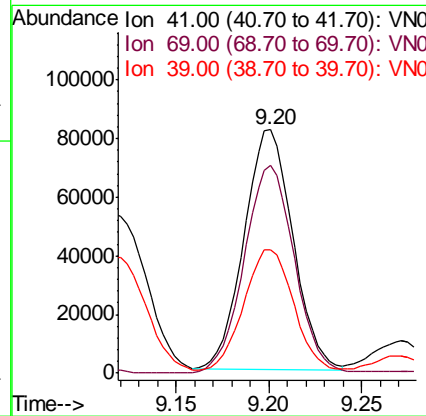
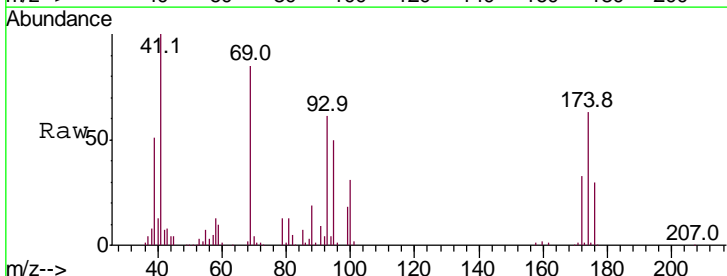
Manual Integrations
APPROVED
 MMDadoda
 12/17/2018 3:05:46 PM

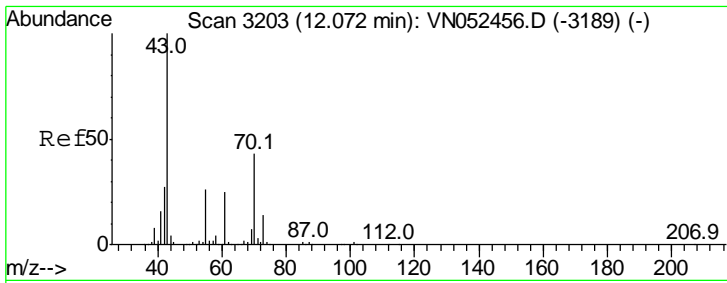


#46
 Methyl methacrylate
 Concen: 19.653 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion: 41 Resp: 149340

Ion	Ratio	Lower	Upper
41	100		
69	86.5	42.5	127.6
39	50.5	26.3	78.9





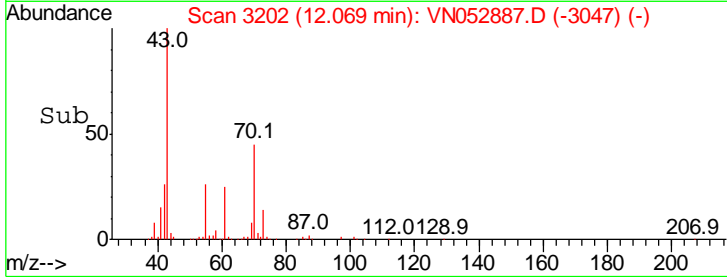
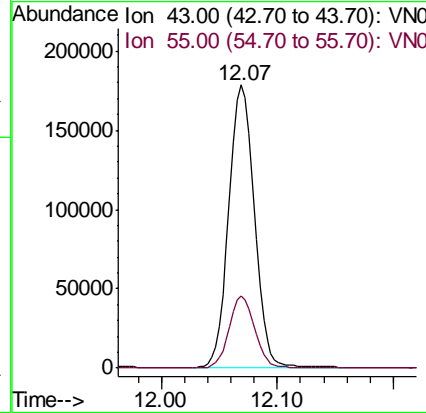
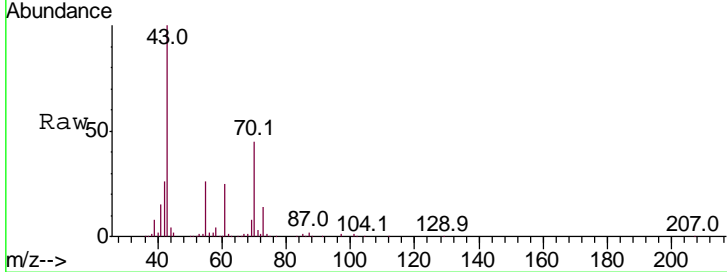
#47
 n-amyl Acetate
 Concen: 22.309 ug/l
 RT: 12.07 min Scan# 3202
 Delta R.T. -0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
 ClientSampled : VSTDCCC020EC

Tgt Ion	Resp	Lower	Upper
43	100		
55	25.7	21.1	31.7

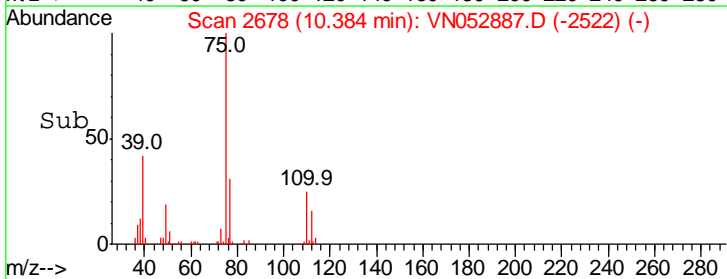
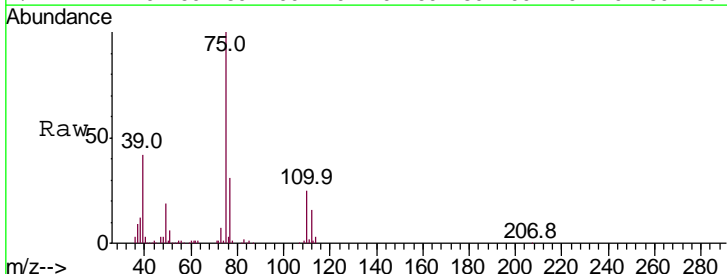
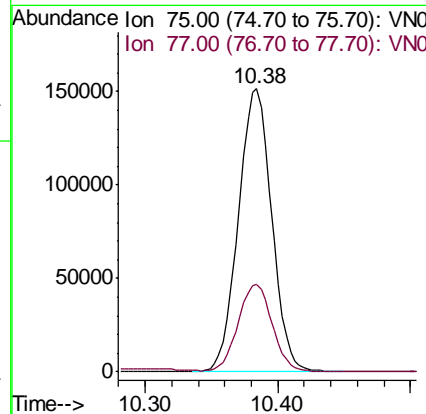
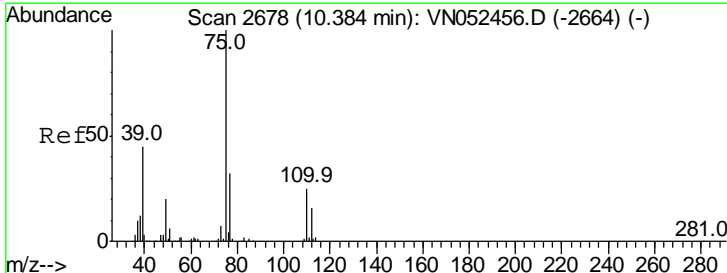
Manual Integrations
 APPROVED

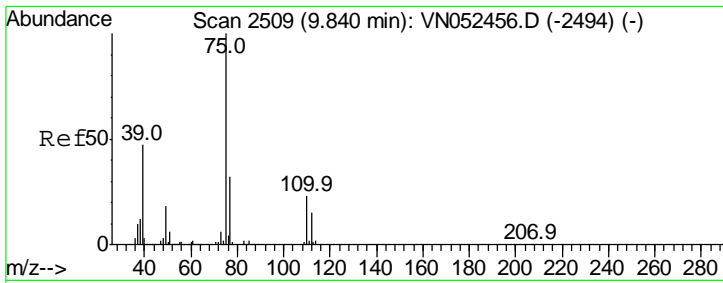
MMDadoda
 12/17/2018 3:05:46 PM



#48
 t-1,3-Dichloropropene
 Concen: 19.365 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
75	100		
77	30.6	25.6	38.4





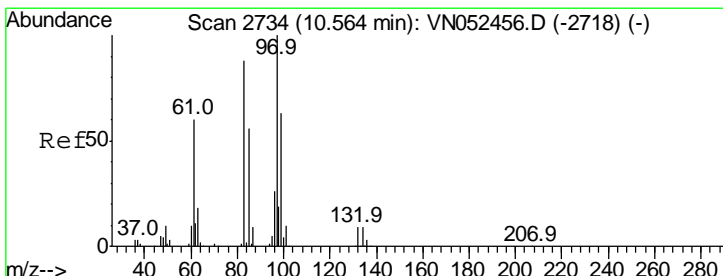
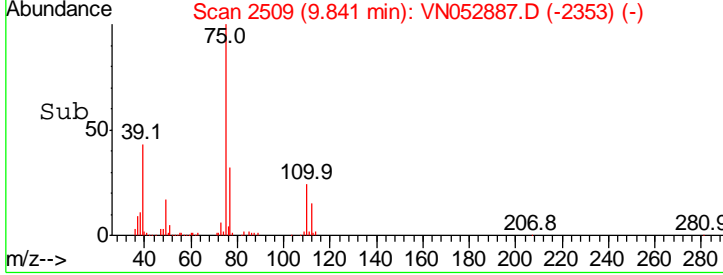
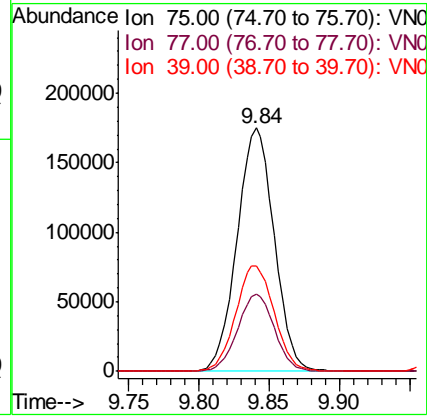
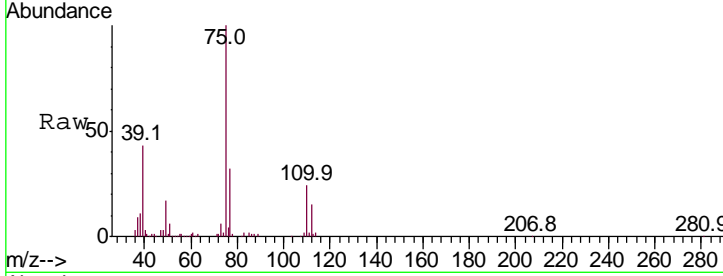
#49
 cis-1,3-Dichloropropene
 Concen: 19.359 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020EC

Tgt Ion	Resp	Lower	Upper
75	322714		
75	100		
77	31.9	25.4	38.0
39	43.2	37.3	55.9

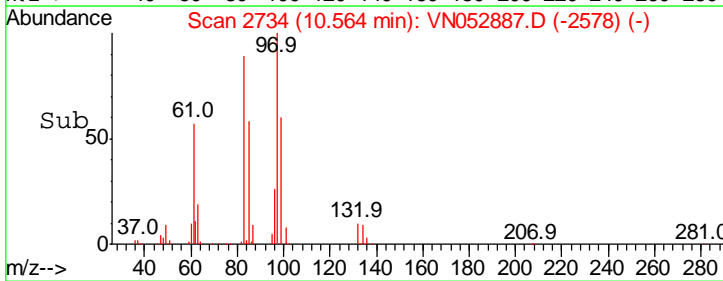
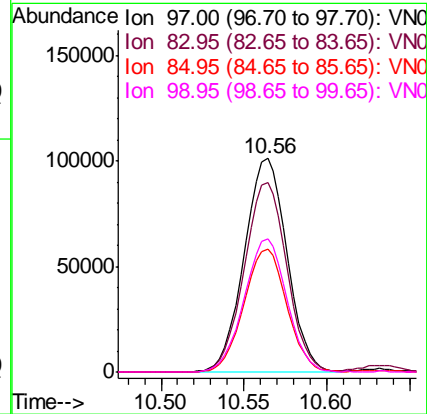
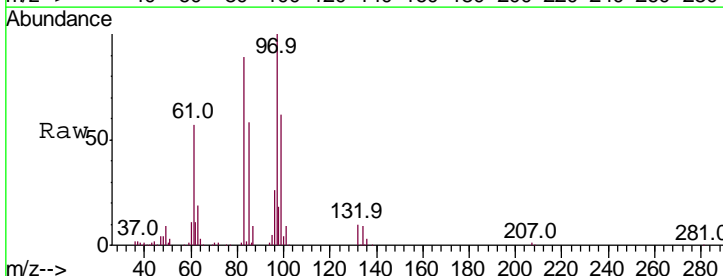
Manual Integrations
 APPROVED

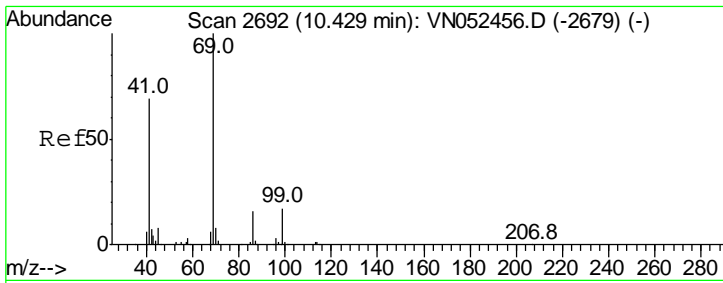
MMDadoda
 12/17/2018 3:05:46 PM



#50
 1,1,2-Trichloroethane
 Concen: 20.130 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
97	182249		
97	100		
83	88.7	70.4	105.6
85	57.7	45.0	67.6
99	62.5	50.2	75.2



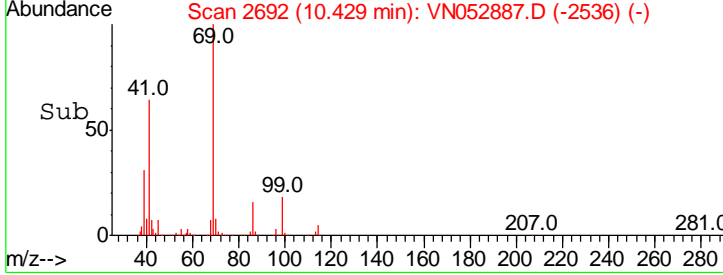
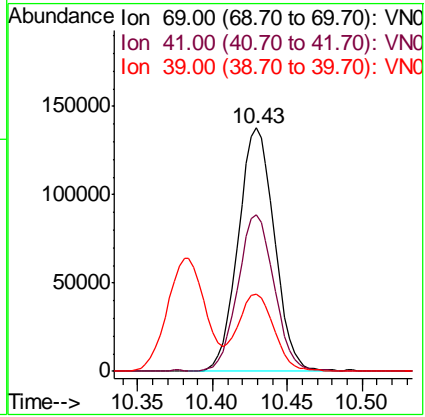
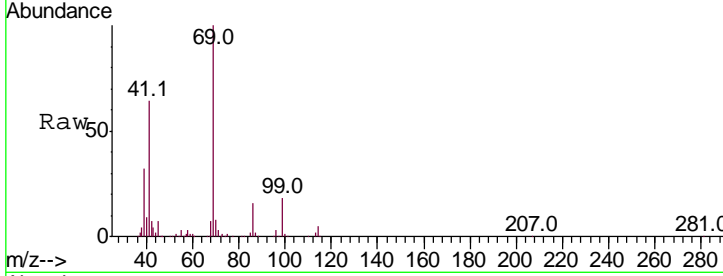


#51
 Ethyl methacrylate
 Concen: 20.429 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
 ClientSampled : VSTDCCC020EC

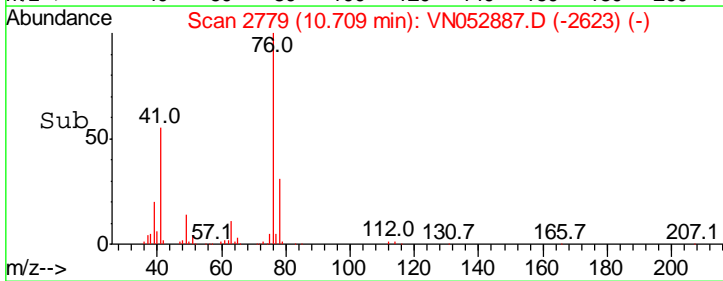
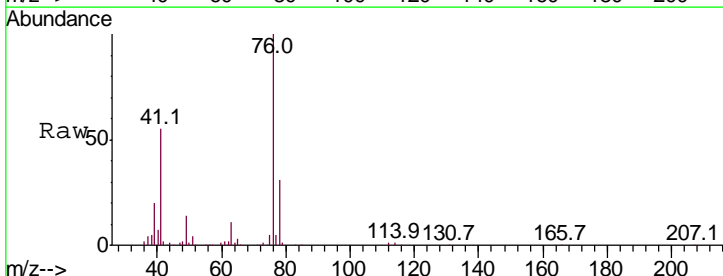
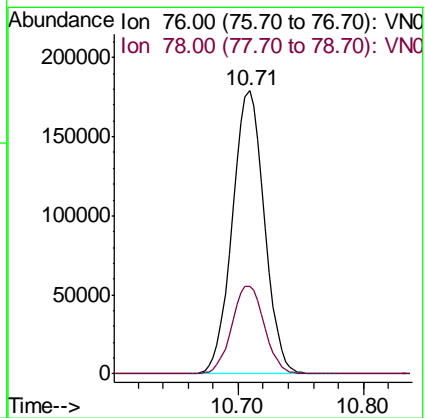
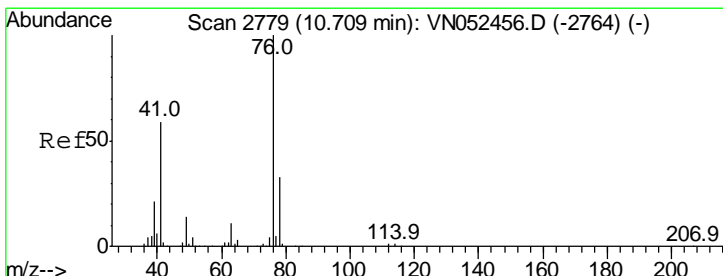
Tgt Ion	Resp	Lower	Upper
69	100		
41	64.2	34.4	103.3
39	31.3	16.4	49.2

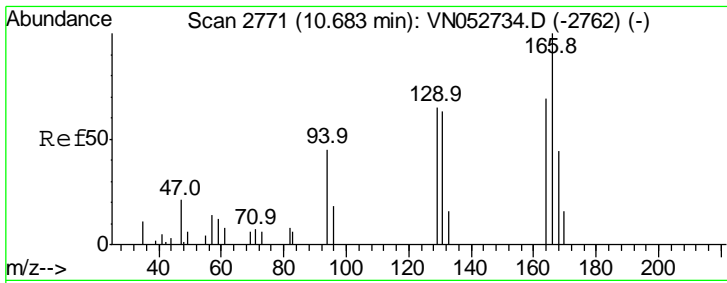
Manual Integrations
APPROVED
 MMDadoda
 12/17/2018 3:05:46 PM



#52
 1,3-Dichloropropane
 Concen: 19.697 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
76	100		
78	31.7	0.0	64.8



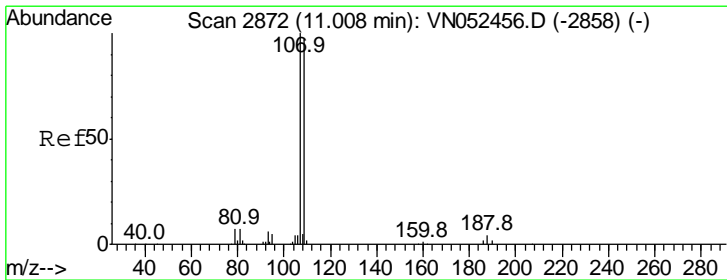
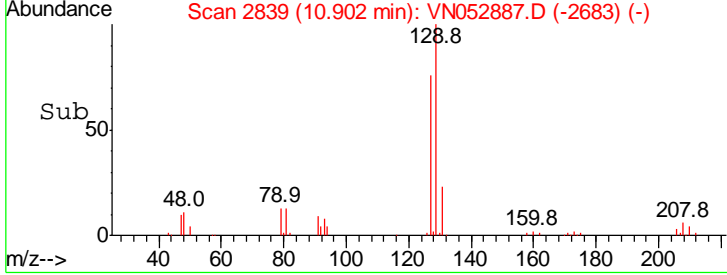
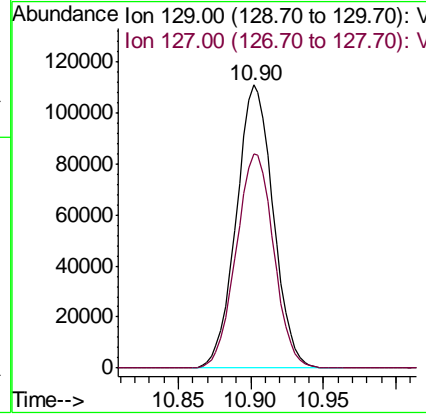
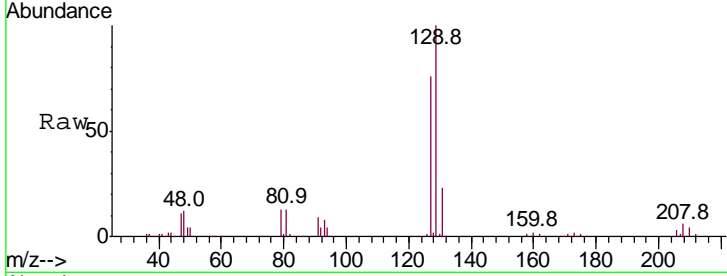


#53
 Dibromochloromethane
 Concen: 19.648 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
 ClientSampled : VSTDCCC020EC

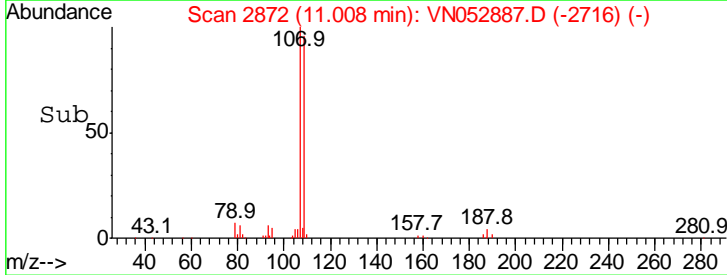
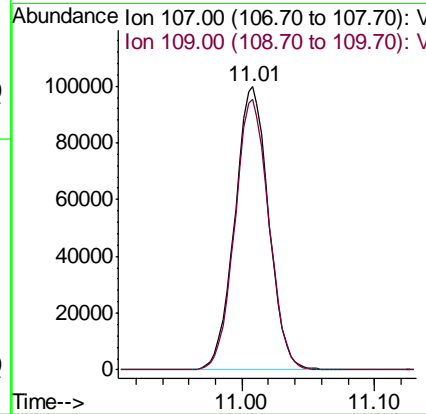
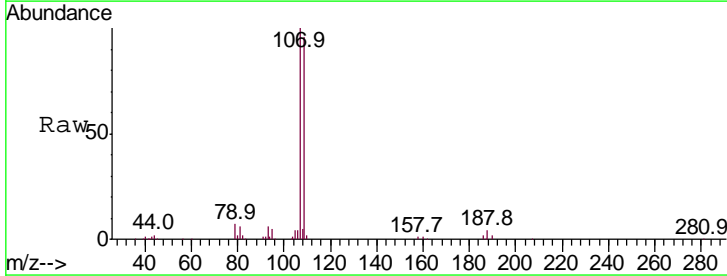
Tgt Ion	Resp	Lower	Upper
129	195848		
129	100		
127	76.9	37.6	112.8

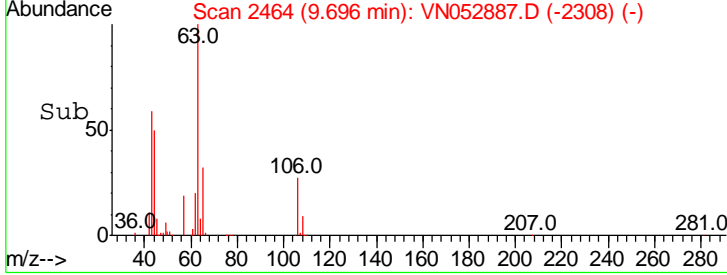
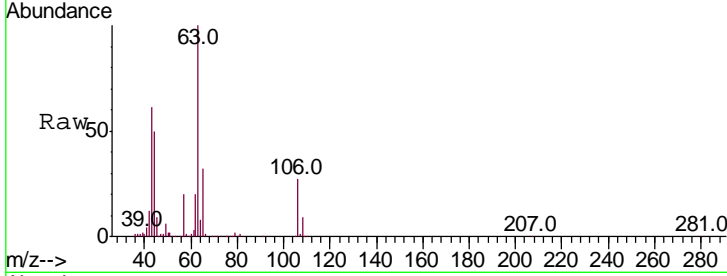
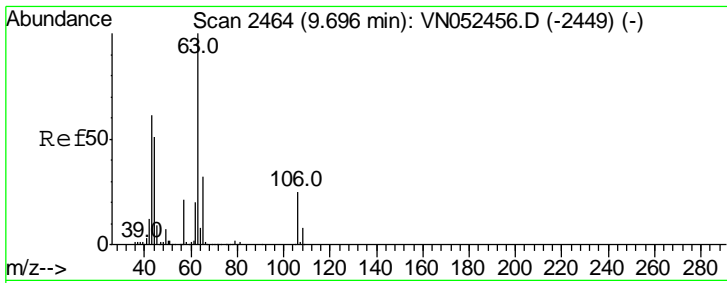
Manual Integrations
APPROVED
 MMDadoda
 12/17/2018 3:05:46 PM



#54
 1,2-Dibromoethane
 Concen: 19.971 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
107	176683		
107	100		
109	96.0	77.1	115.7



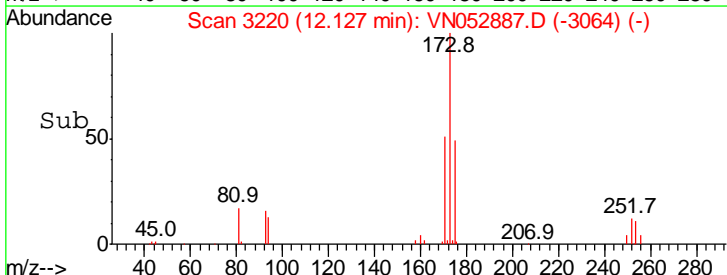
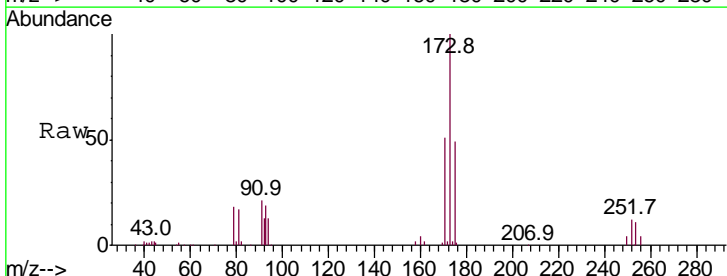
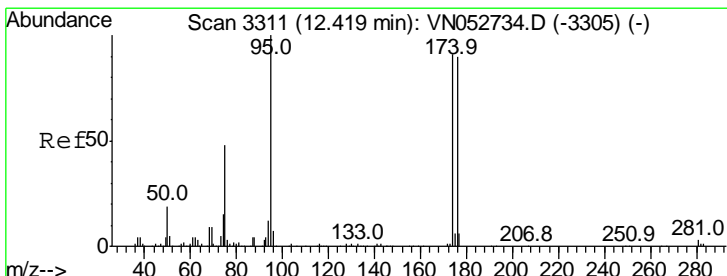
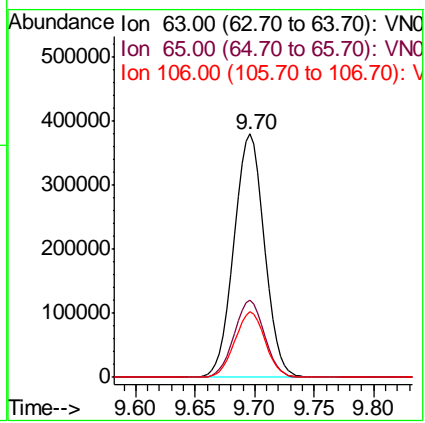


#55
 2-Chloroethyl vinyl ether
 Concen: 101.458 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
63	100		
65	31.6	25.4	38.2
106	26.8	20.4	30.6

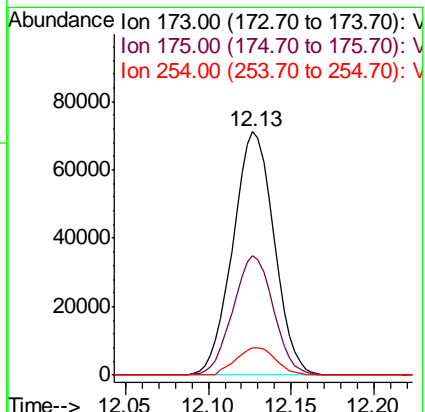
Instrument : MSVOA_N
 ClientSampled : VN052887.D
 VSTDCCC020EC

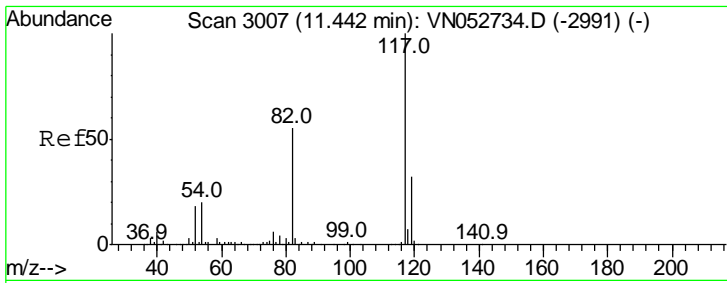
Manual Integrations
APPROVED
 MMDadoda
 12/17/2018 3:05:46 PM



#56
 Bromoform
 Concen: 18.932 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

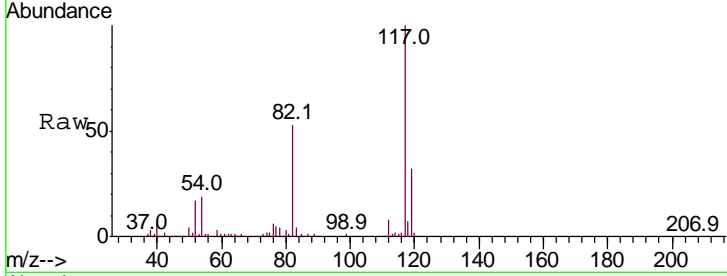
Tgt Ion	Resp	Lower	Upper
173	100		
175	48.1	38.7	58.1
254	10.8	8.4	12.6





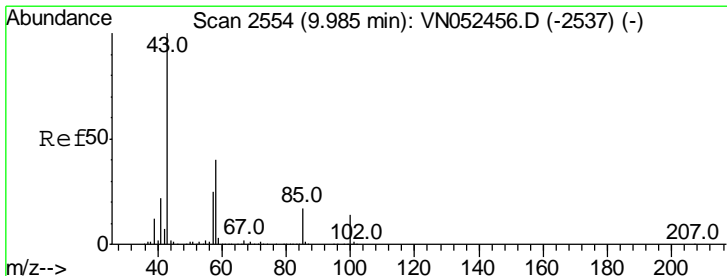
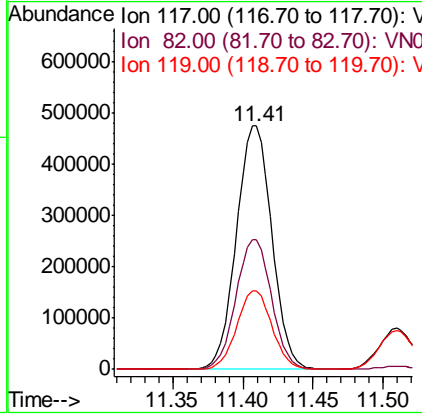
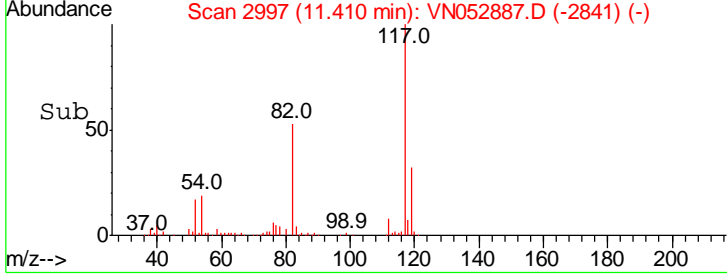
#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2997
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
 ClientSampled : VSTDCCC020EC

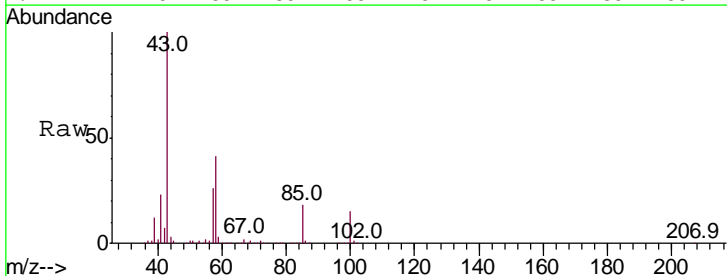


Tgt Ion	Resp	Lower	Upper
117	100		
82	53.5	44.2	66.2
119	32.0	25.4	38.2

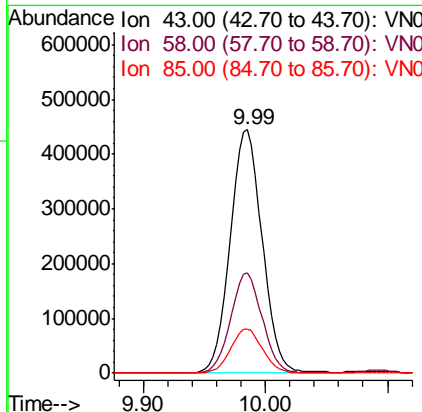
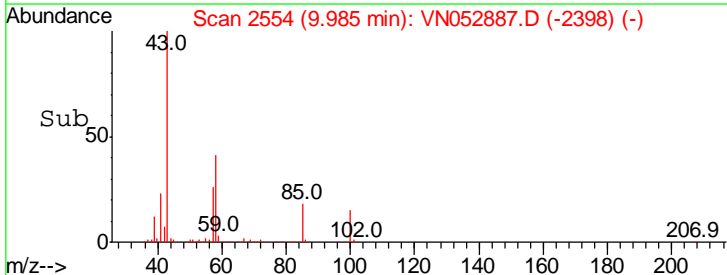
Manual Integrations
APPROVED
 MMDadoda
 12/17/2018 3:05:46 PM

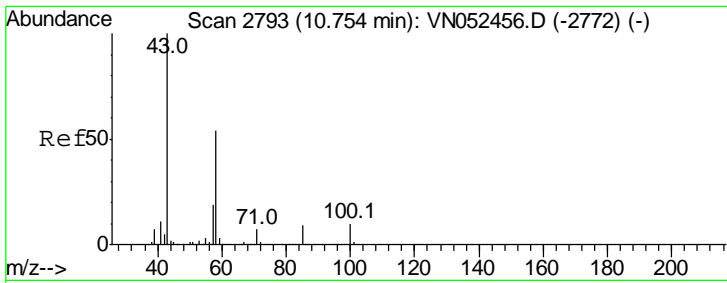


#58
 4-Methyl-2-Pentanone
 Concen: 99.617 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23



Tgt Ion	Resp	Lower	Upper
43	100		
58	40.6	31.6	47.4
85	18.2	13.3	19.9





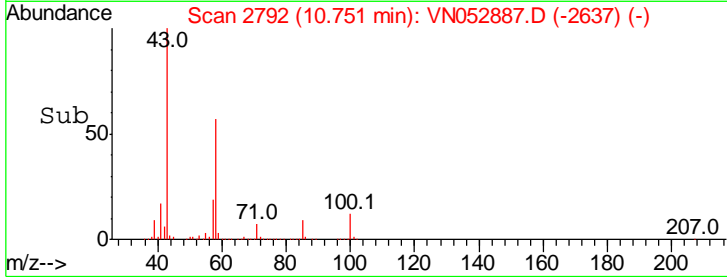
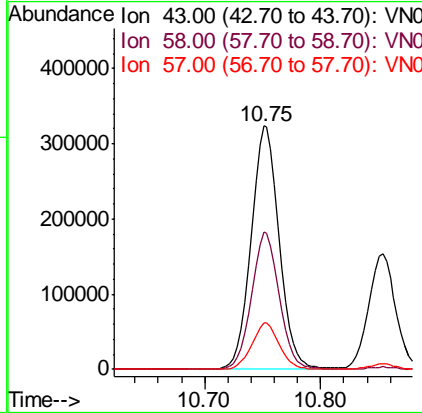
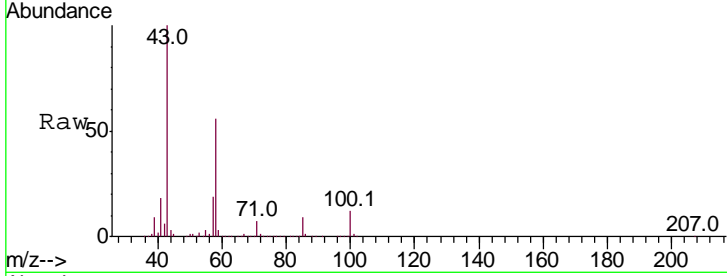
#59
 2-Hexanone
 Concen: 98.288 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
 ClientSampled : VSTDCCC020EC

Tgt Ion	Resp	Lower	Upper
43	100		
58	55.9	43.2	64.8
57	18.8	14.9	22.3

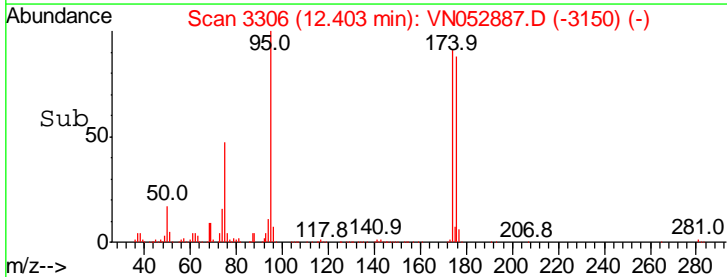
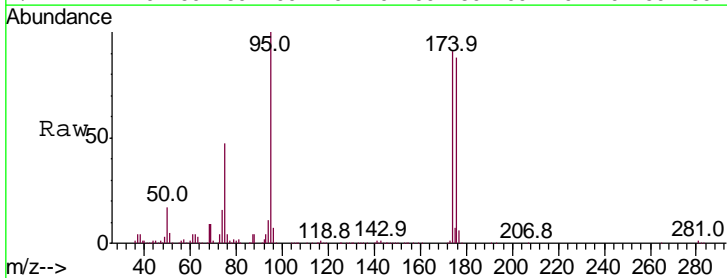
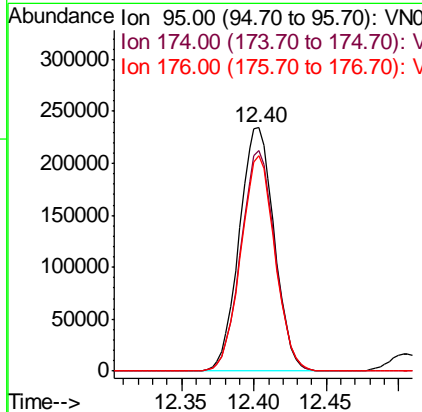
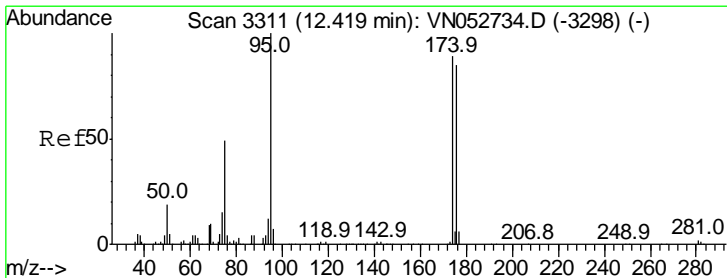
Manual Integrations
 APPROVED

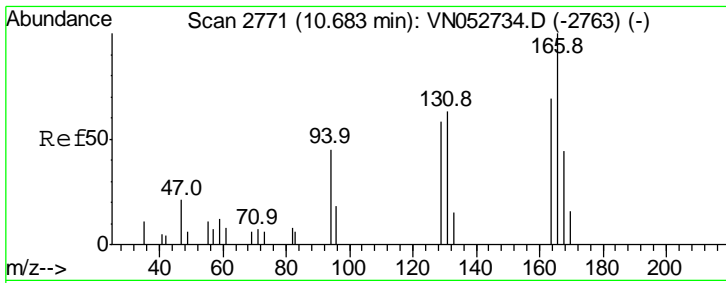
MMDadoda
 12/17/2018 3:05:46 PM



#60
 4-Bromofluorobenzene
 Concen: 98.288 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
95	100		
174	88.2	67.9	101.9
176	86.2	66.4	99.6





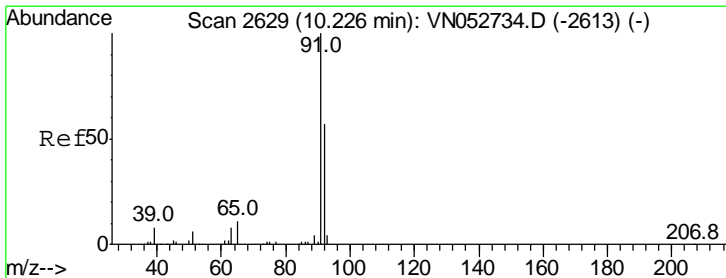
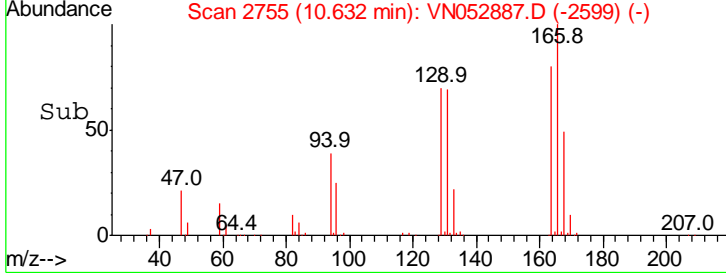
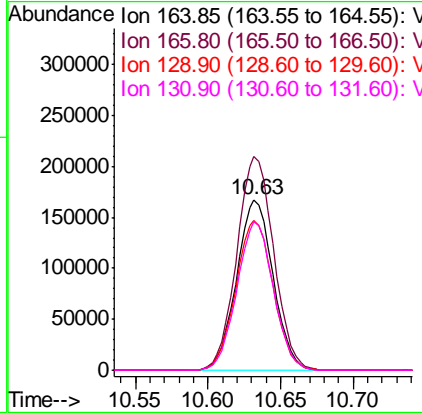
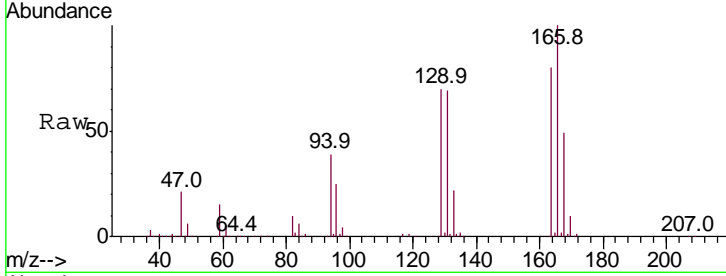
#61
 Tetrachloroethene
 Concen: 28.339 ug/l
 RT: 10.63 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
 ClientSampled : VSTDCCC020EC

Tgt Ion	Resp	Lower	Upper
164	100		
166	125.2	104.6	157.0
129	87.8	75.3	112.9
131	86.9	74.3	111.5

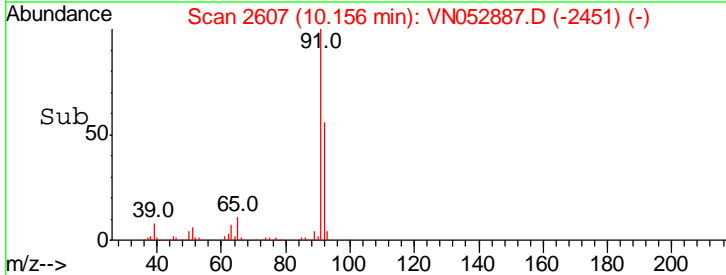
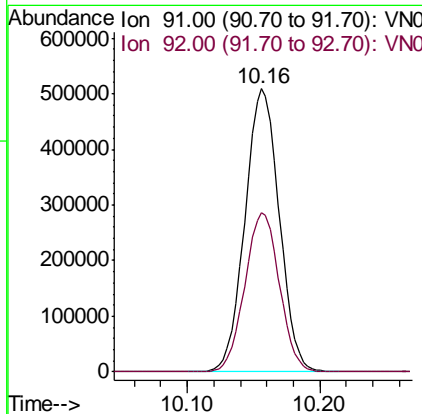
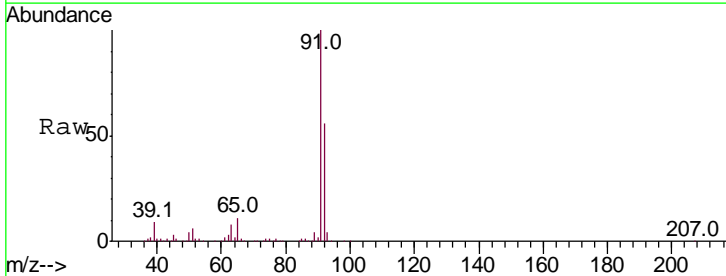
Manual Integrations
 APPROVED

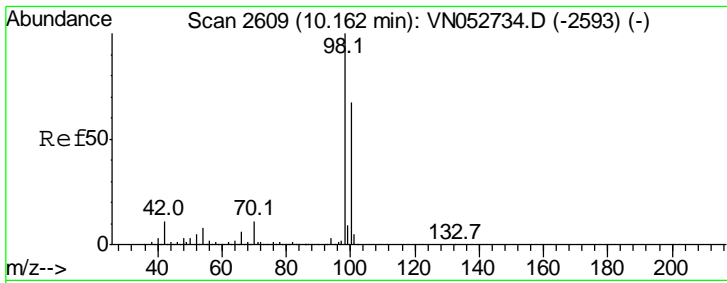
MMDadoda
 12/17/2018 3:05:46 PM



#62
 Toluene
 Concen: 19.749 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
91	100		
92	56.7	45.4	68.2





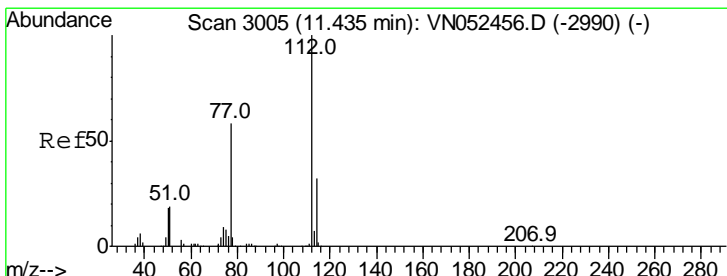
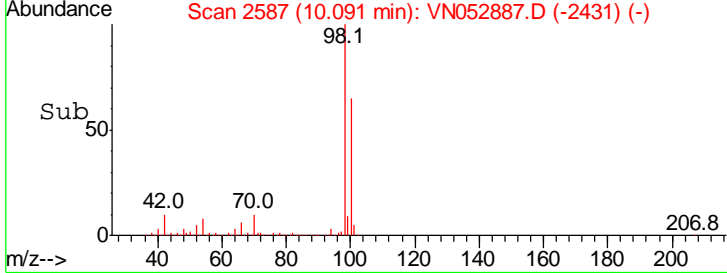
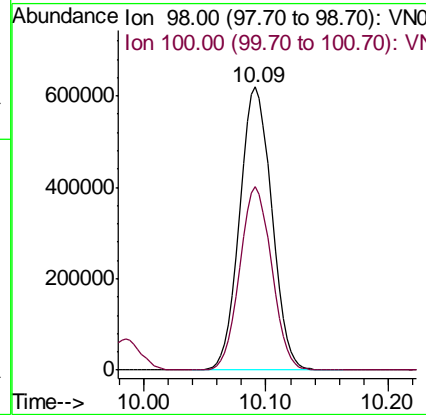
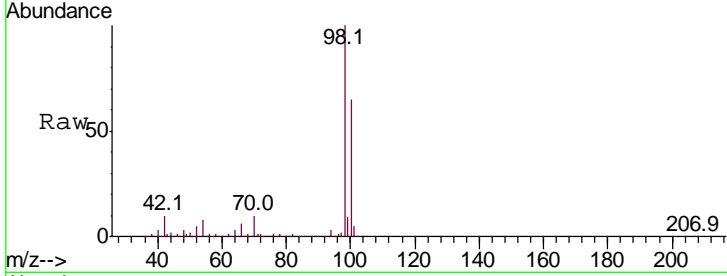
#63
 Toluene-d8
 Concen: 19.749 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
 ClientSampled : VSTDCCC020EC

Tgt Ion: 98 Resp: 1127752

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.1	76.7

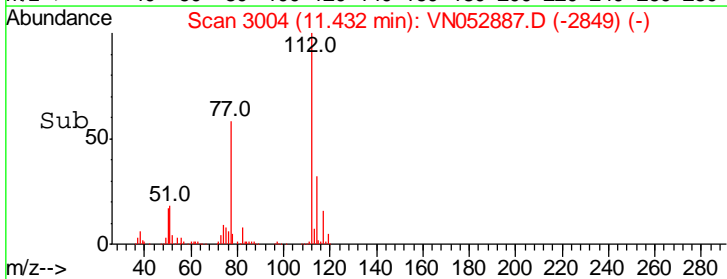
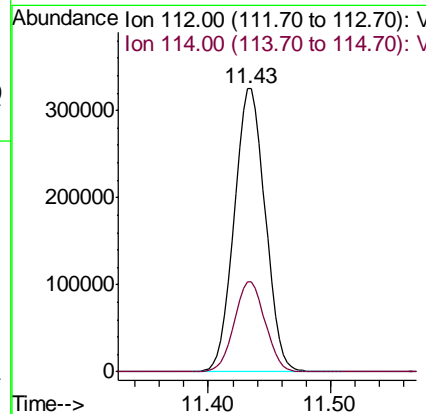
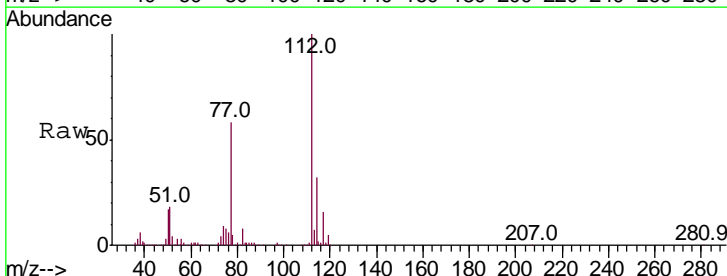
Manual Integrations
APPROVED
 MMDadoda
 12/17/2018 3:05:46 PM

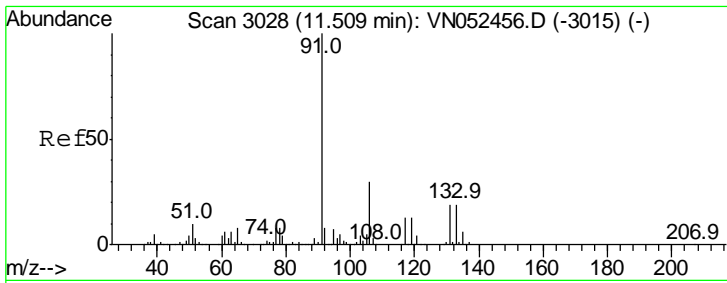


#64
 Chlorobenzene
 Concen: 20.361 ug/l
 RT: 11.43 min Scan# 3004
 Delta R.T. -0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion: 112 Resp: 575083

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.6	38.4





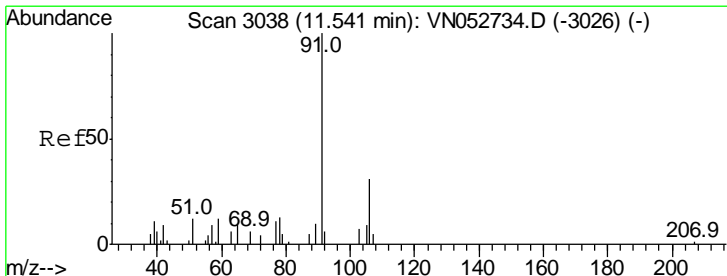
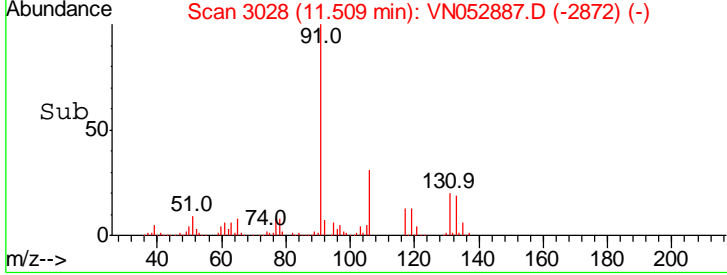
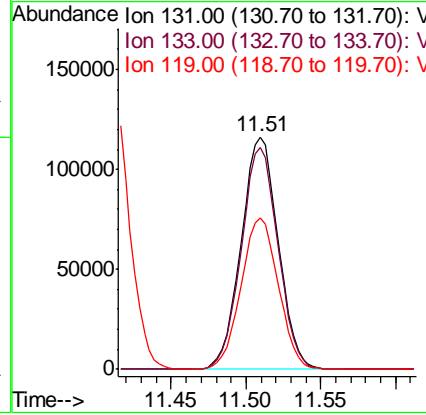
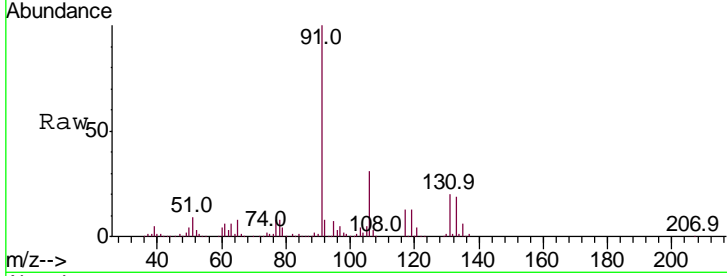
#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.424 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020EC

Tgt Ion	Resp	Lower	Upper
131	100		
133	95.0	0.0	193.4
119	66.0	0.0	133.0

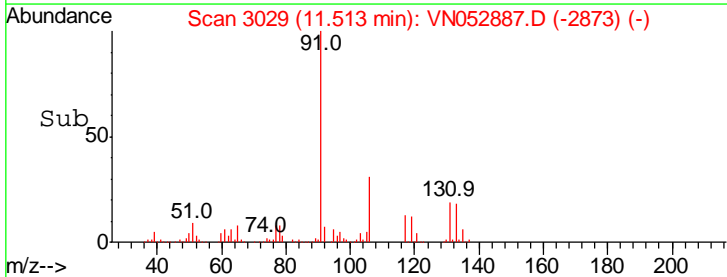
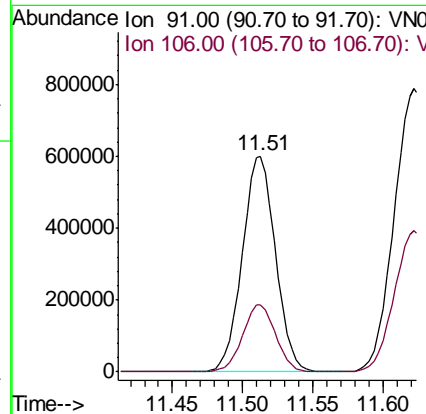
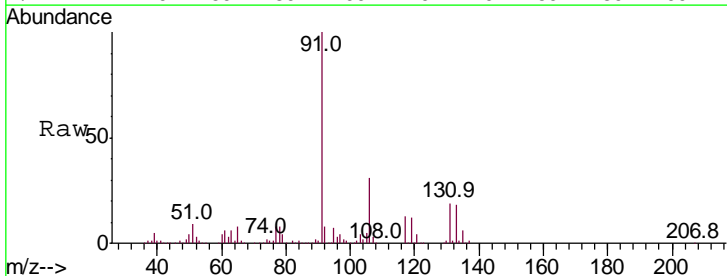
Manual Integrations
 APPROVED

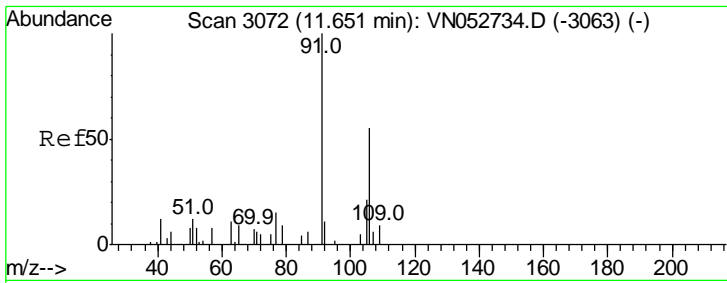
MMDadoda
 12/17/2018 3:05:46 PM



#66
 Ethyl Benzene
 Concen: 19.814 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
91	100		
106	31.3	24.3	36.5





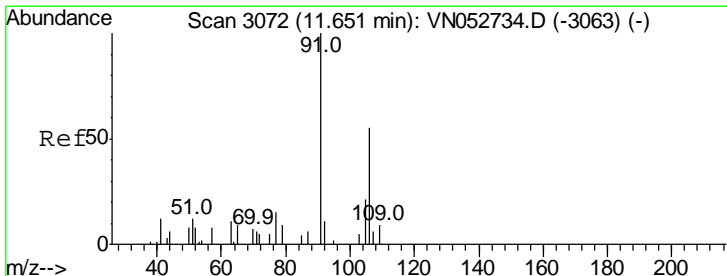
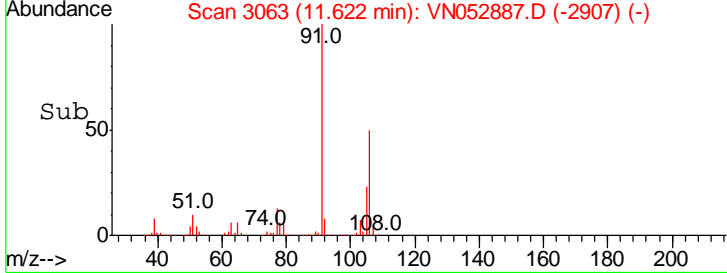
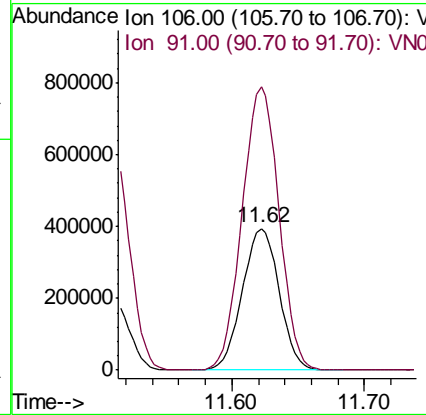
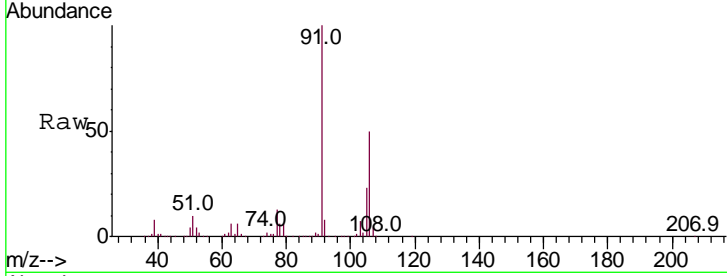
#67
 m/p-Xylenes
 Concen: 40.801 ug/l
 RT: 11.62 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
 ClientSampled : VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.5	163.9	245.9

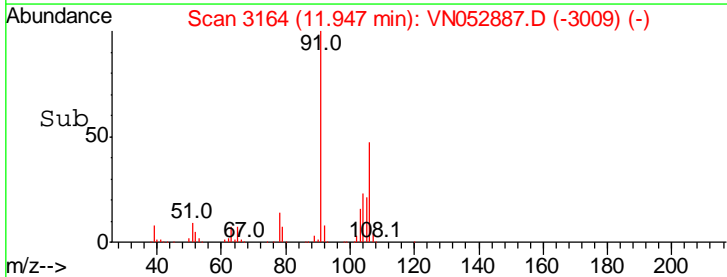
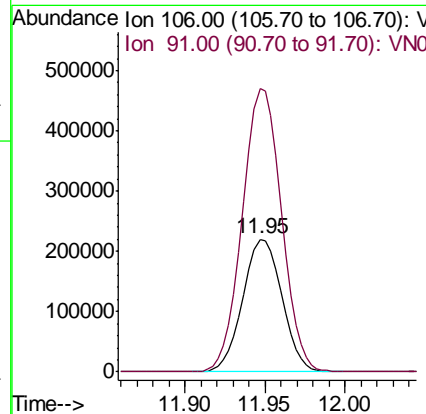
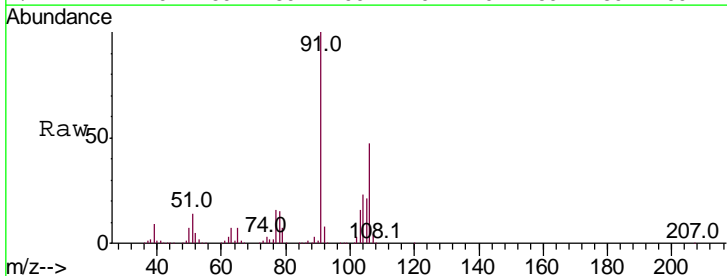
Manual Integrations
 APPROVED

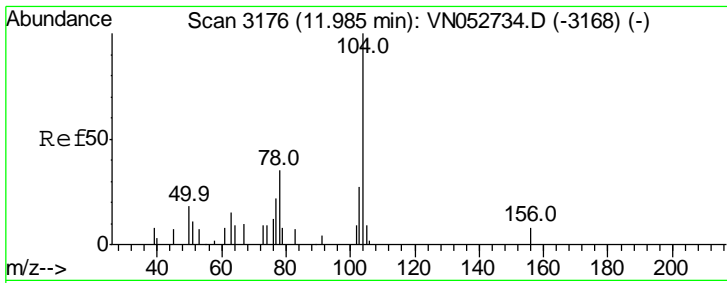
MMDadoda
 12/17/2018 3:05:46 PM



#68
 o-Xylene
 Concen: 20.432 ug/l
 RT: 11.95 min Scan# 3164
 Delta R.T. -0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
106	100		
91	213.2	107.8	323.4





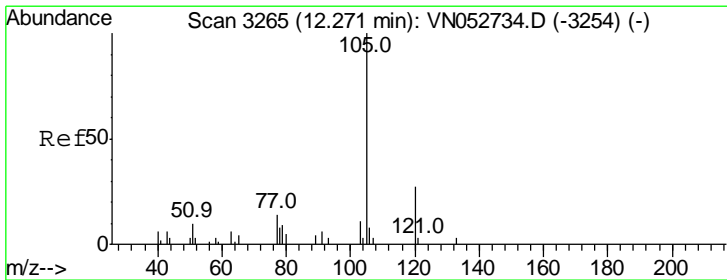
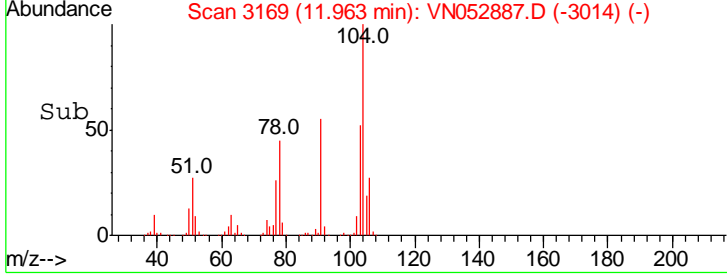
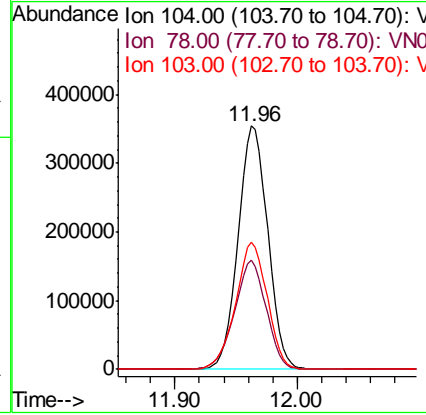
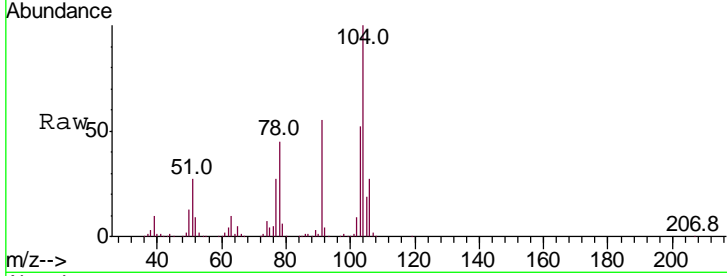
#69
 Styrene
 Concen: 20.510 ug/l
 RT: 11.96 min Scan# 3169
 Delta R.T. -0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
 ClientSampled : VSTDCCC020EC

Tgt Ion	Resp	Lower	Upper
104	100		
78	48.1	39.3	58.9
103	55.5	44.6	66.8

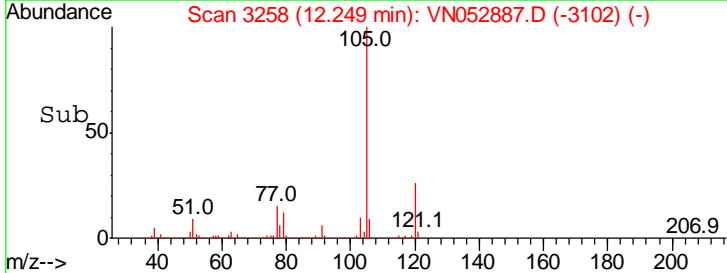
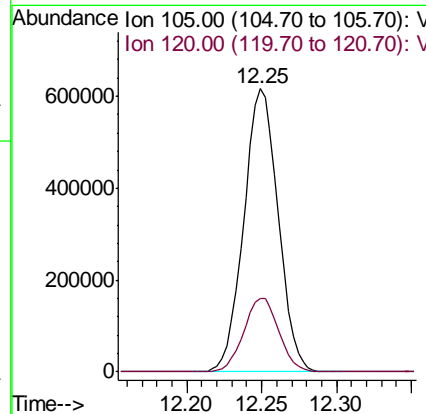
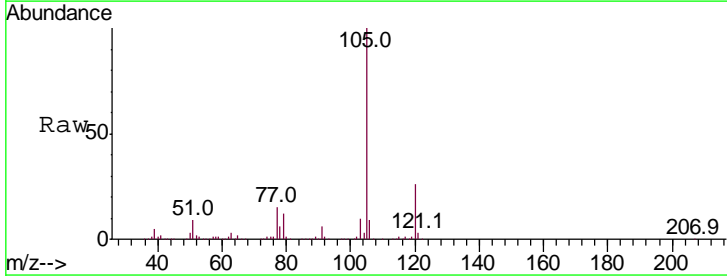
Manual Integrations
 APPROVED

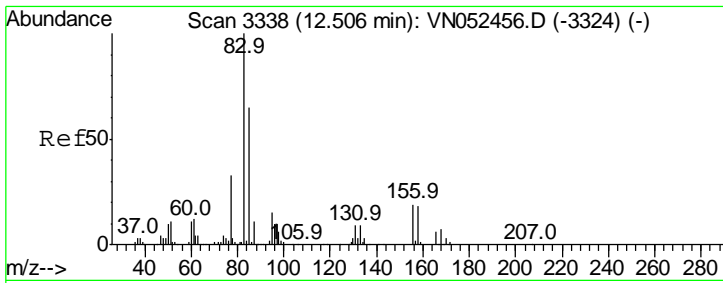
MMDadoda
 12/17/2018 3:05:46 PM



#70
 Isopropylbenzene
 Concen: 20.527 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
105	100		
120	26.6	18.6	34.6



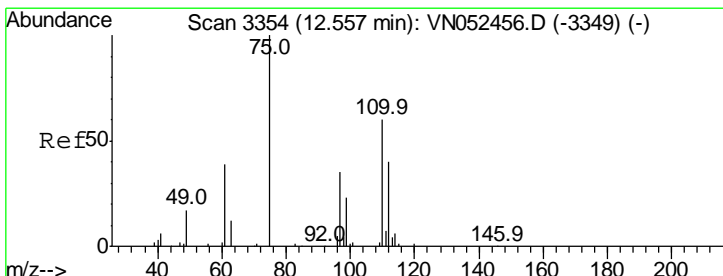
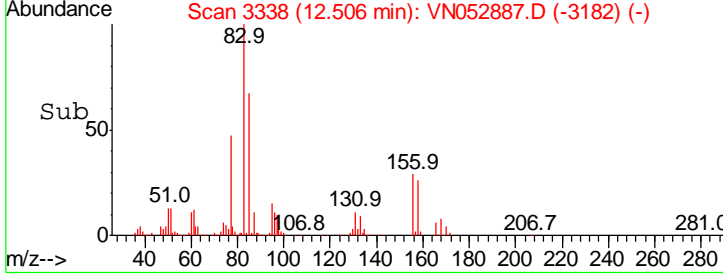
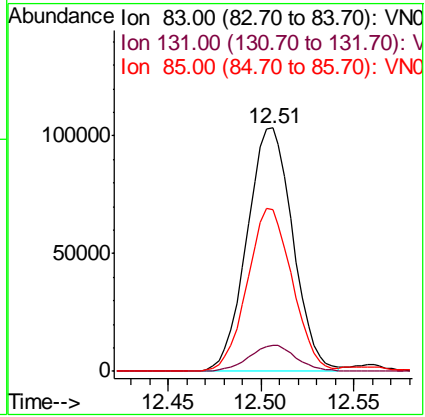
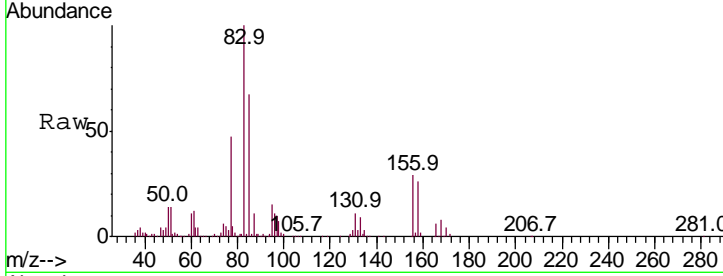


#71
 1,1,2,2-Tetrachloroethane
 Concen: 16.971 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC020EC

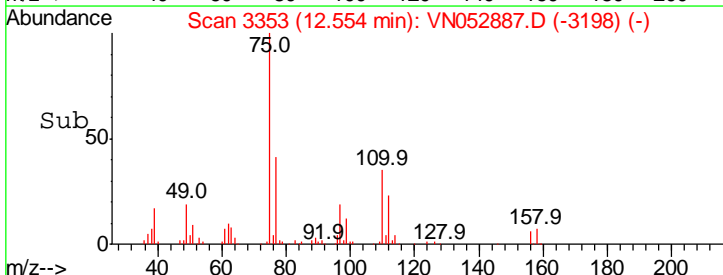
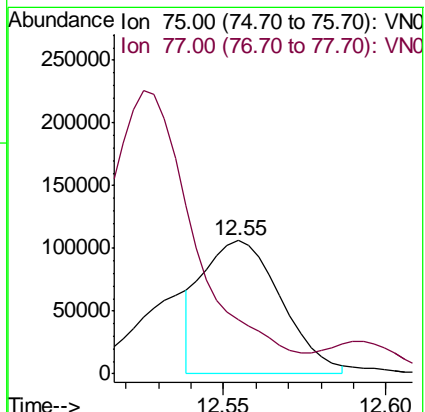
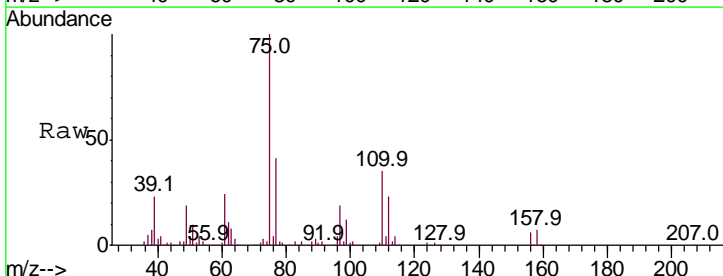
Tgt Ion	Resp	Lower	Upper
83	177141		
83	100		
131	11.1	4.9	14.6
85	65.7	32.2	96.6

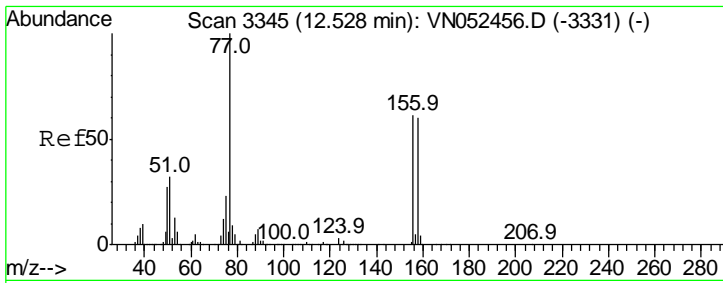
Manual Integrations
APPROVED
 MMDadoda
 12/17/2018 3:05:46 PM



#72
 1,2,3-Trichloropropane
 Concen: 19.870 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
75	178037		
75	100		
77	249.1	0.0	514.8



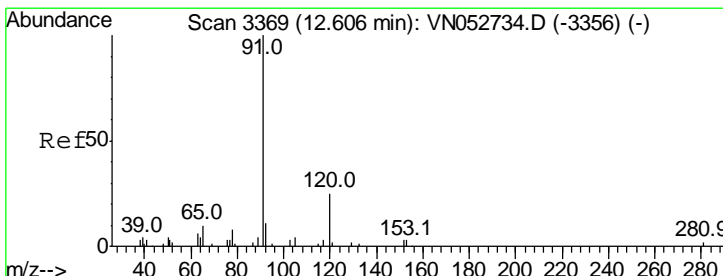
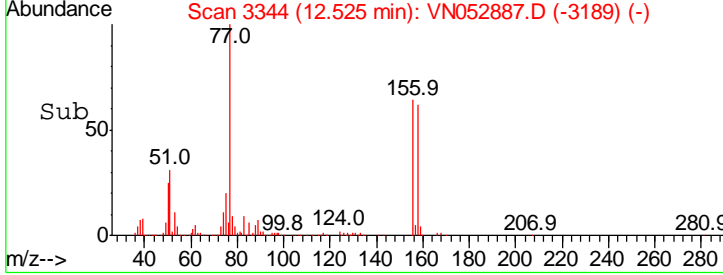
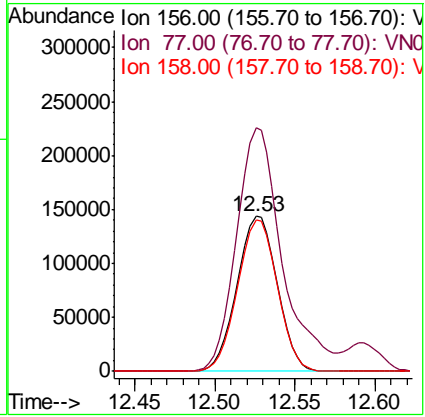
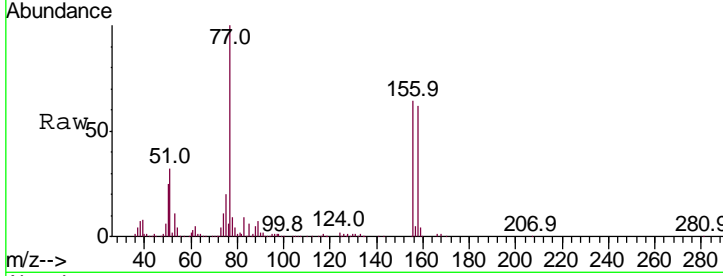


#73
 Bromobenzene
 Concen: 21.208 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. -0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC020EC

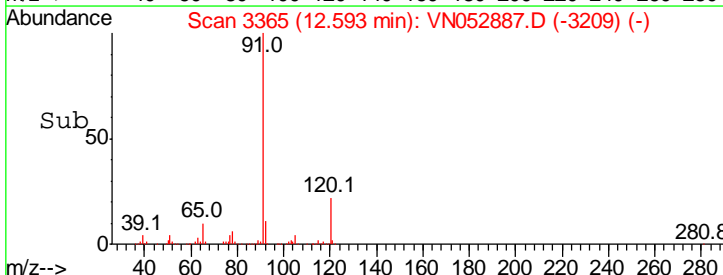
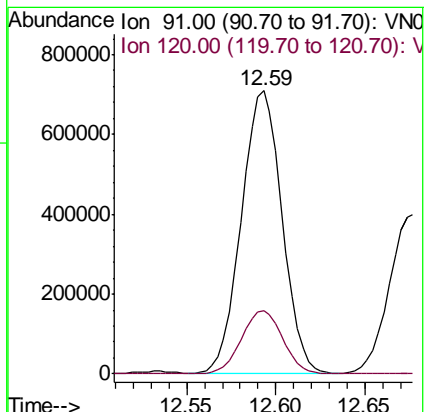
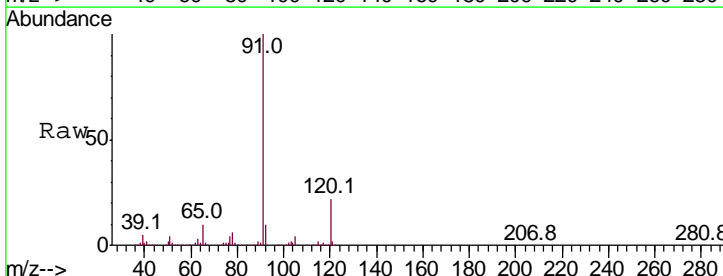
Tgt Ion	Resp	Lower	Upper
156	100	0.0	382.6
77	180.2	0.0	196.8
158	96.4	0.0	196.8

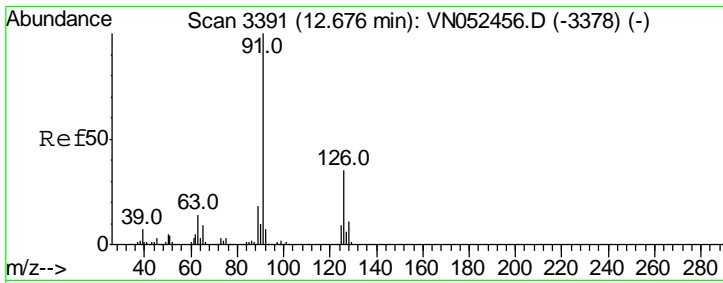
Manual Integrations
APPROVED
 MMDadoda
 12/17/2018 3:05:46 PM



#74
 n-propylbenzene
 Concen: 20.195 ug/l
 RT: 12.59 min Scan# 3365
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
91	100	0.0	44.6
120	22.7	0.0	44.6





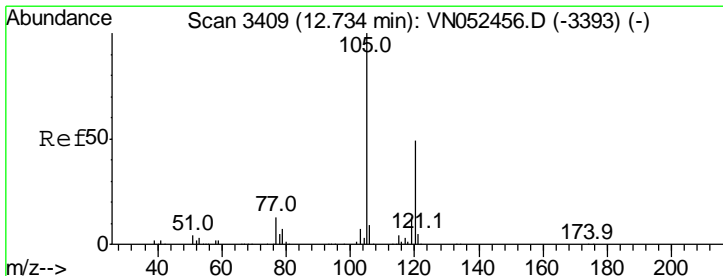
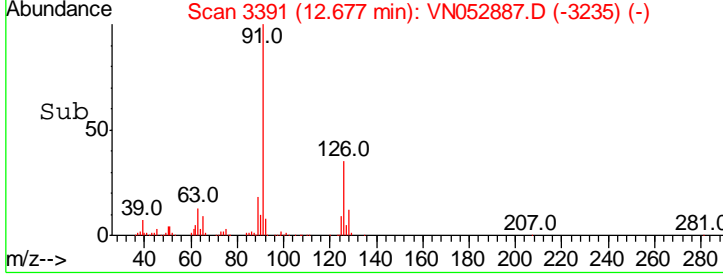
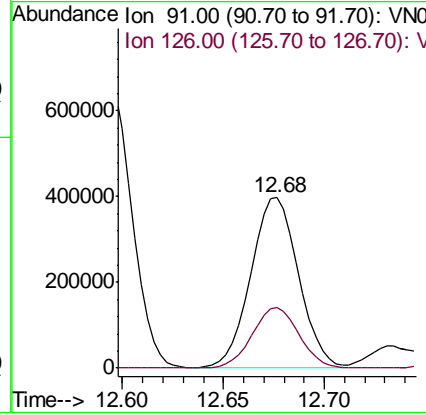
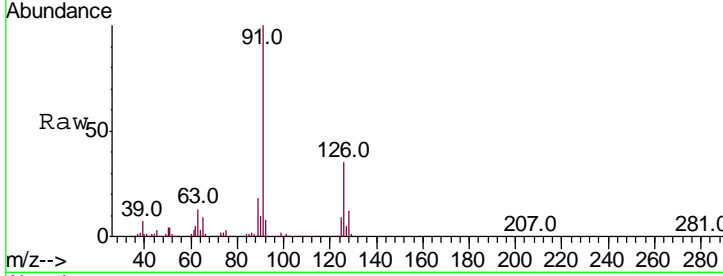
#75
 2-Chlorotoluene
 Concen: 20.300 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
 ClientSampled : VSTDCCC020EC

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.9	0.0	68.4

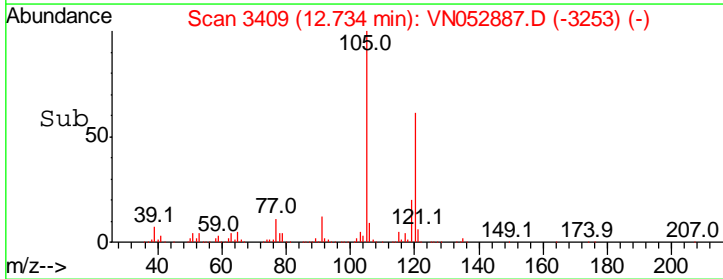
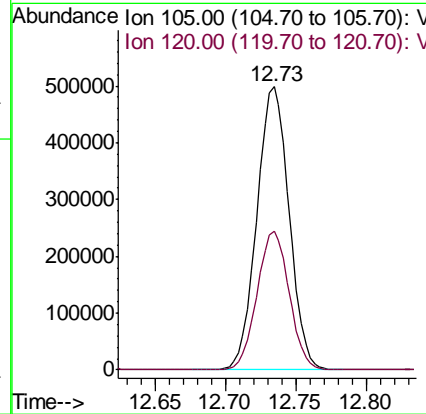
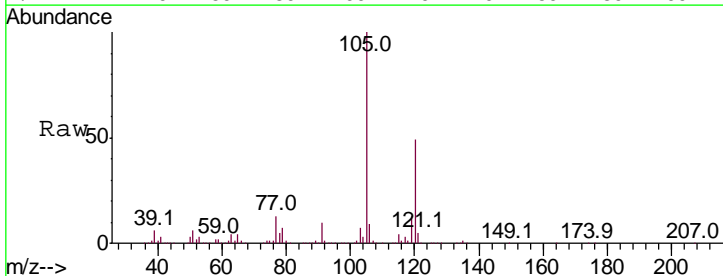
Manual Integrations
 APPROVED

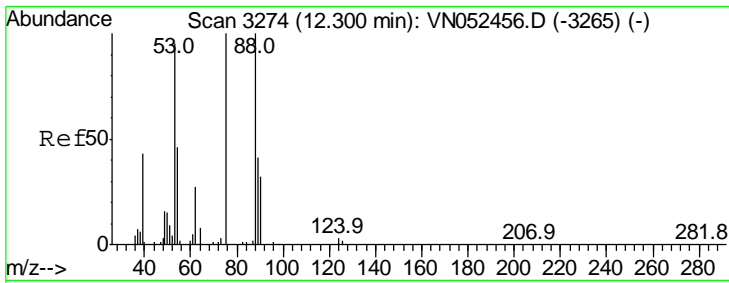
MMDadoda
 12/17/2018 3:05:46 PM



#76
 1,3,5-Trimethylbenzene
 Concen: 20.548 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
105	100		
120	49.0	0.0	97.4



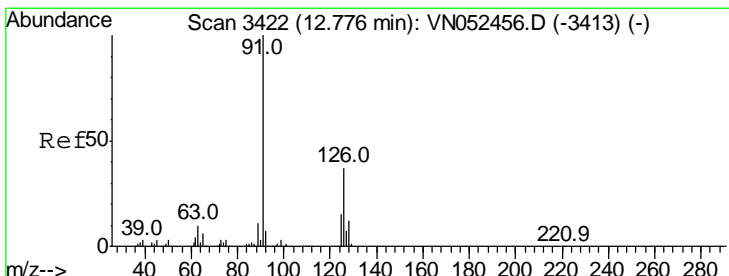
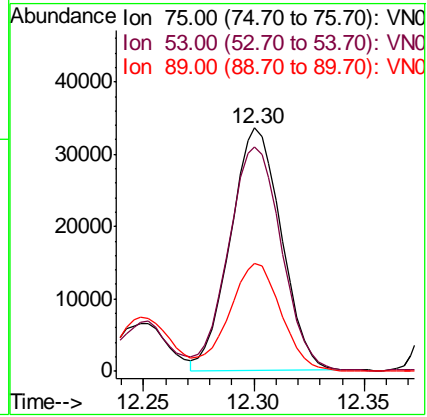
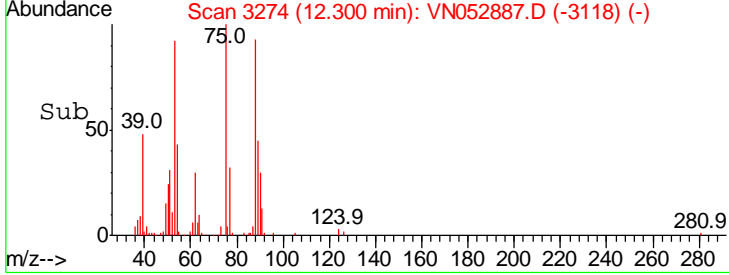
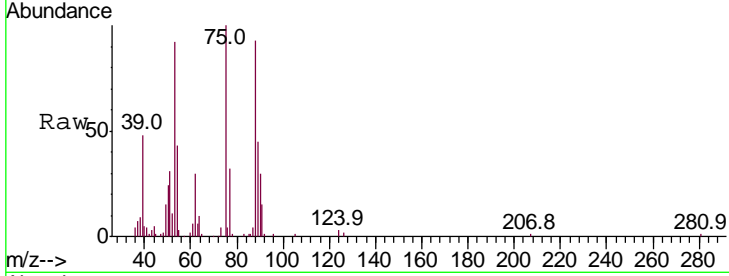


#77
 t-1,4-Dichloro-2-butene
 Concen: 18.898 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
 ClientSampled : VSTDCCC020EC

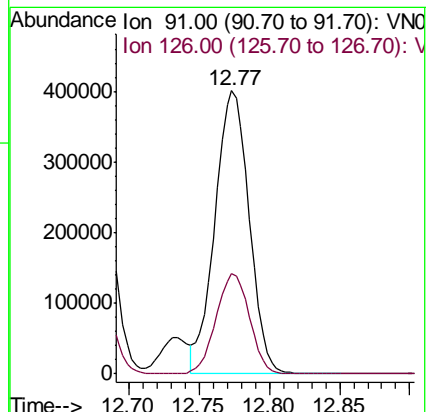
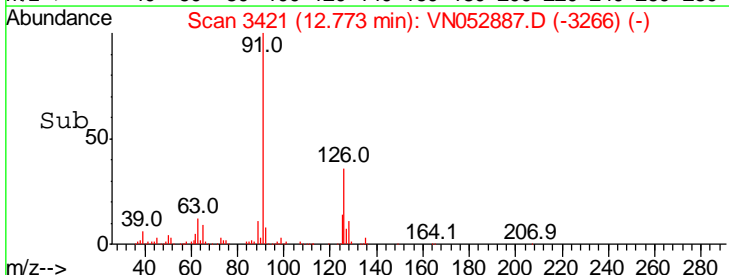
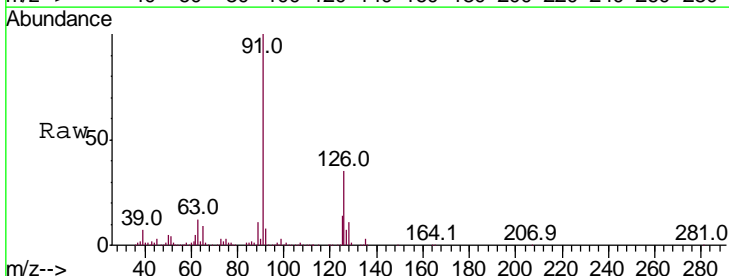
Tgt Ion	Resp	Lower	Upper
75	100		
53	92.2	48.5	145.6
89	44.9	21.7	65.1

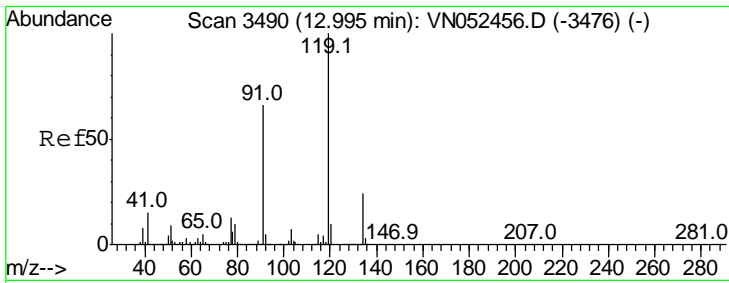
Manual Integrations
APPROVED
 MMDadoda
 12/17/2018 3:05:46 PM



#78
 4-Chlorotoluene
 Concen: 20.749 ug/l
 RT: 12.77 min Scan# 3421
 Delta R.T. -0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.8	0.0	68.2





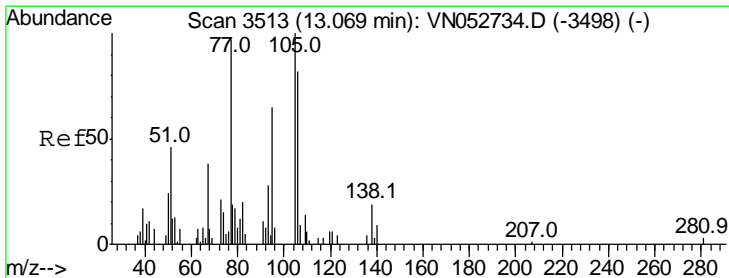
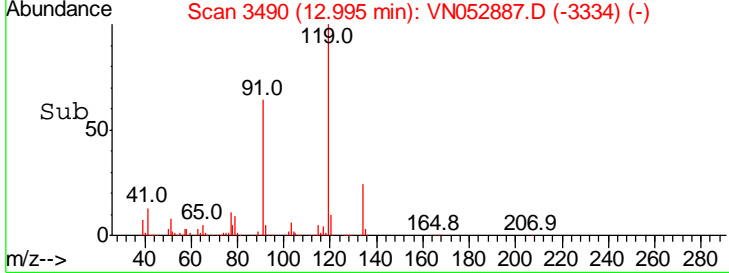
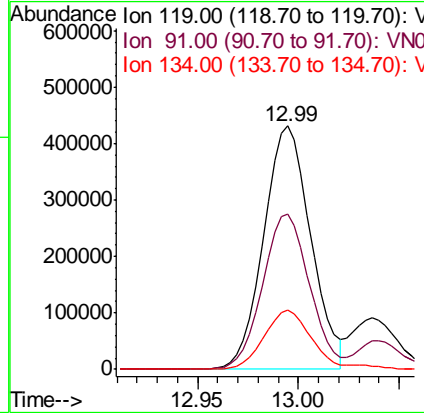
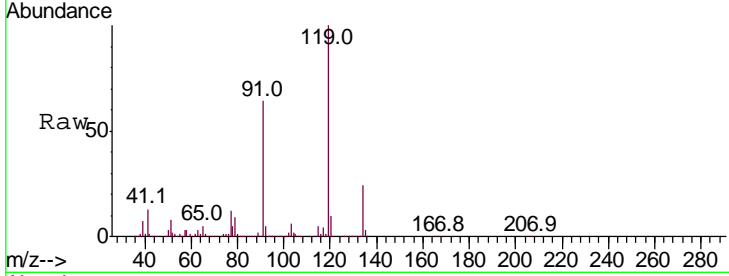
#79
 tert-butylbenzene
 Concen: 20.798 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC020EC

Tgt Ion	Resp	Lower	Upper
119	100		
91	63.6	0.0	129.8
134	25.2	0.0	52.2

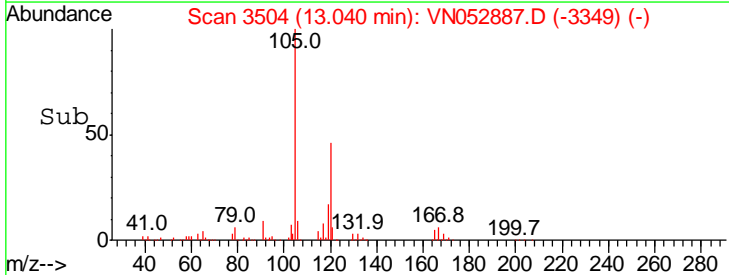
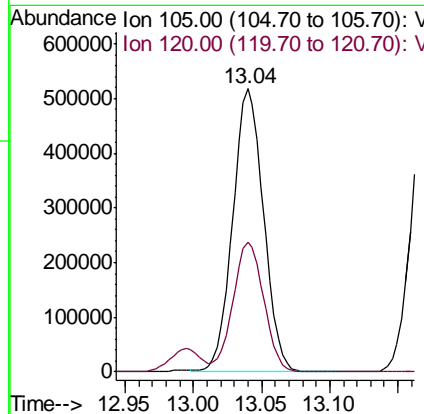
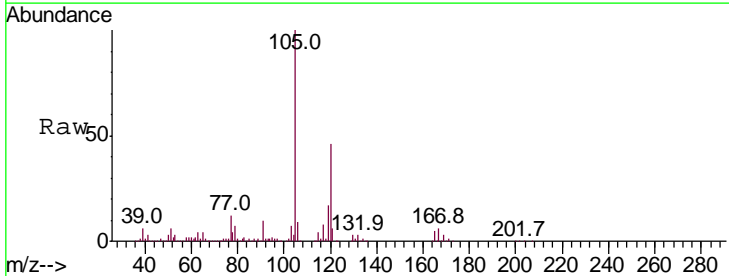
Manual Integrations
 APPROVED

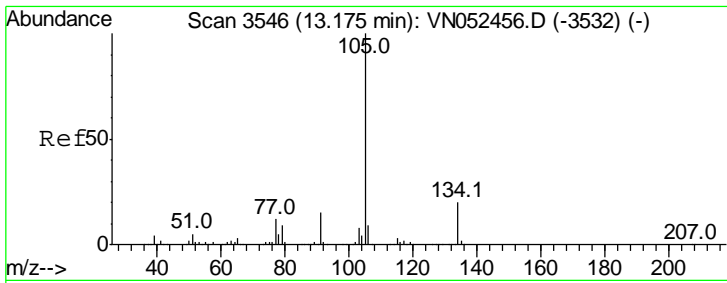
MMDadoda
 12/17/2018 3:05:46 PM



#80
 1,2,4-Trimethylbenzene
 Concen: 20.918 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
105	100		
120	46.0	0.0	91.0





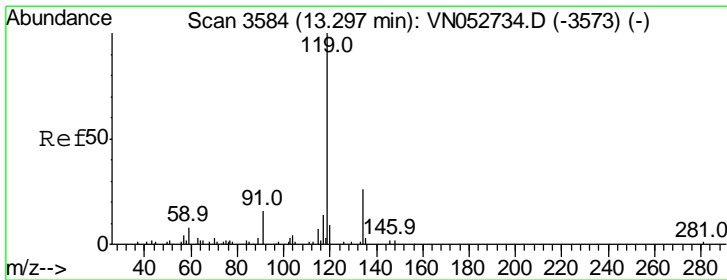
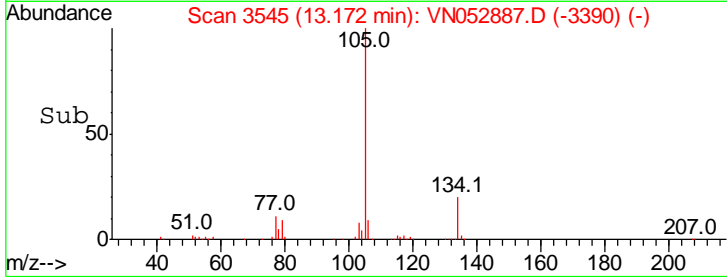
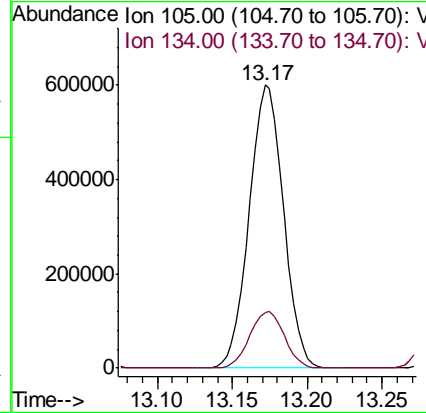
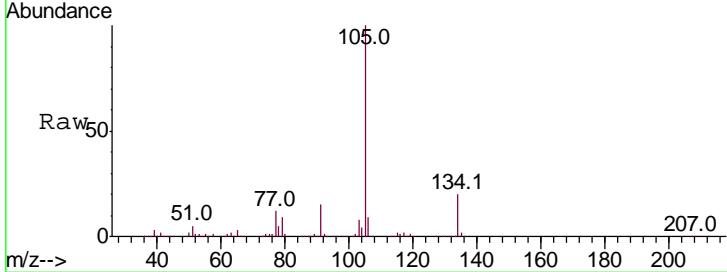
#81
 sec-Butylbenzene
 Concen: 20.399 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
 ClientSampled : VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.1	0.0	40.4

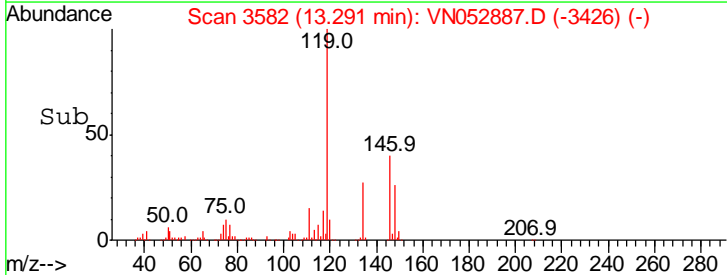
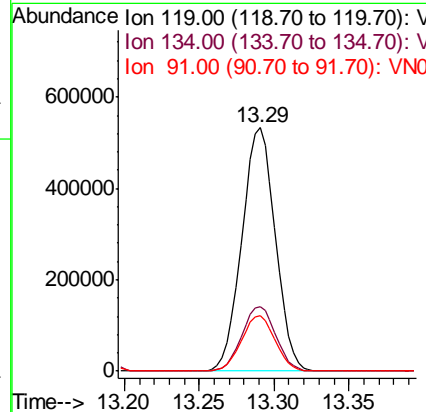
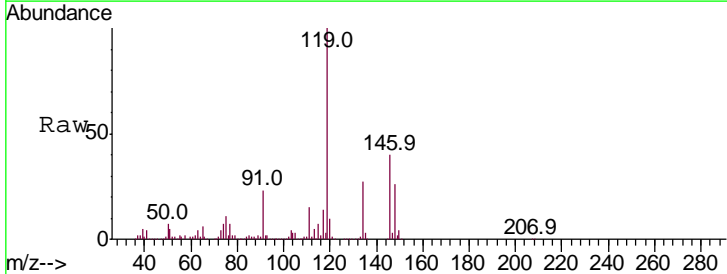
Manual Integrations
 APPROVED

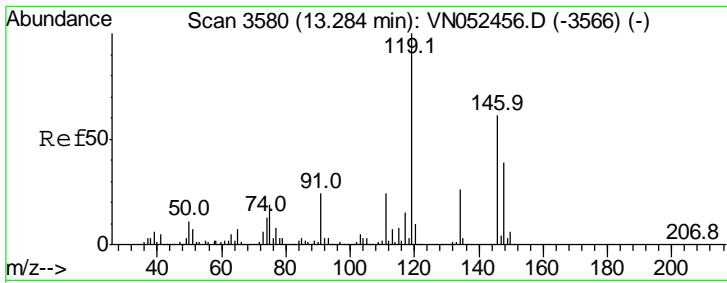
MMDadoda
 12/17/2018 3:05:46 PM



#82
 p-Isopropyltoluene
 Concen: 20.705 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	0.0	52.6
91	22.8	0.0	46.2





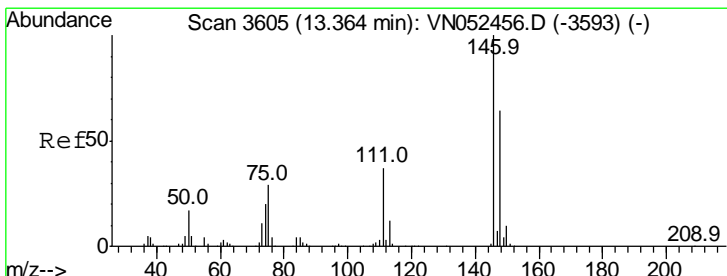
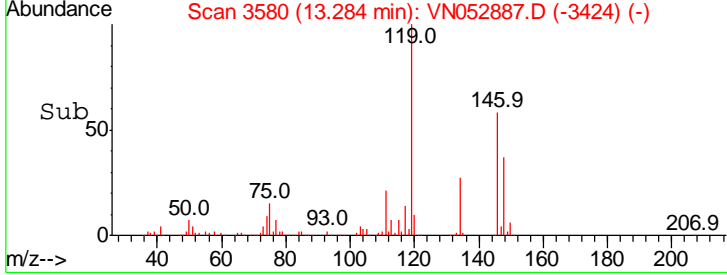
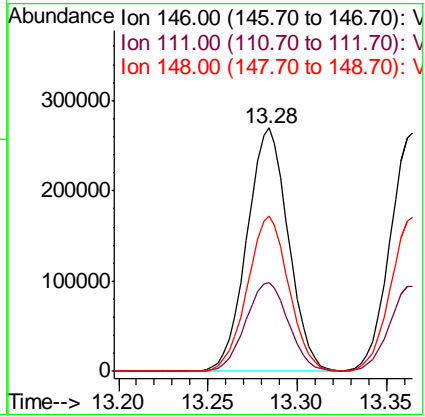
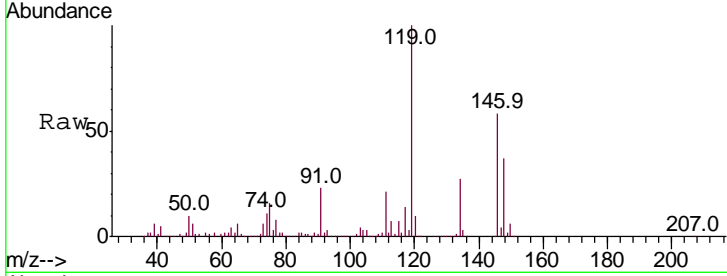
#83
 1,3-Dichlorobenzene
 Concen: 21.454 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
 ClientSampled : VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.7	59.0
148	63.8	32.3	96.8

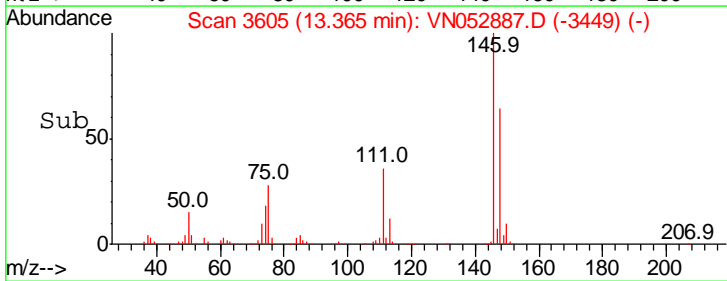
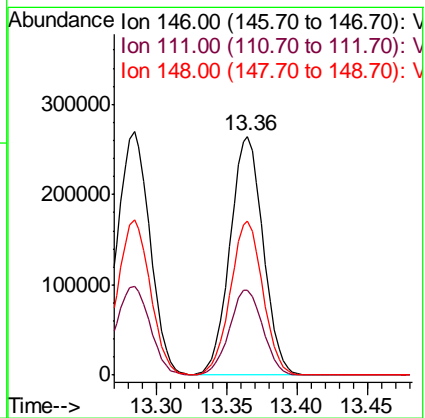
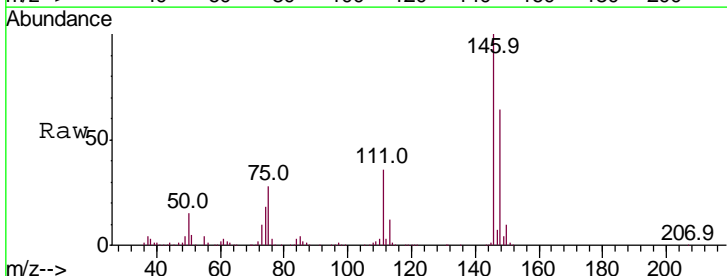
Manual Integrations
 APPROVED

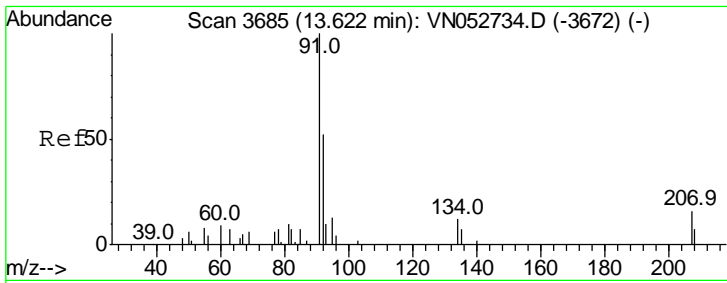
MMDadoda
 12/17/2018 3:05:46 PM



#84
 1,4-Dichlorobenzene
 Concen: 22.026 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.8	56.3
148	63.4	32.5	97.4





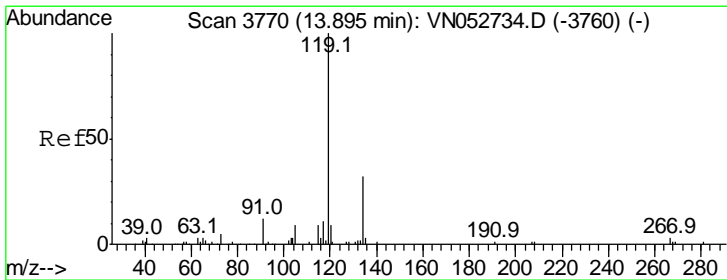
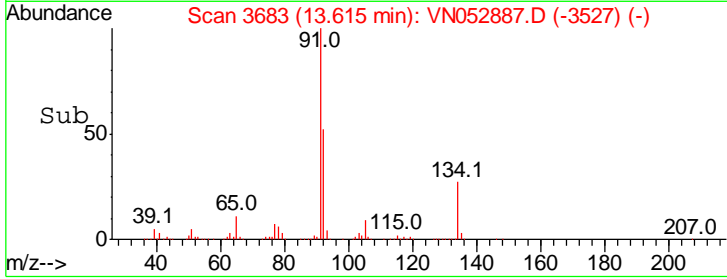
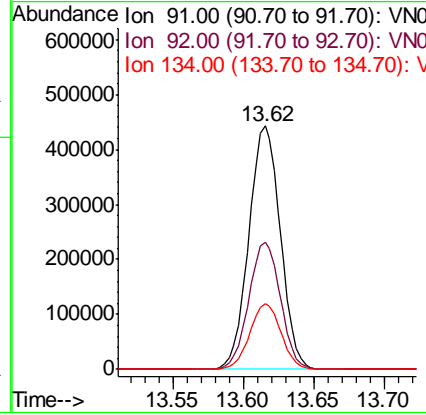
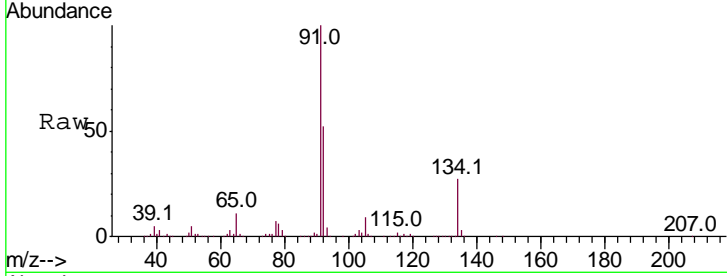
#85
 n-Butylbenzene
 Concen: 20.175 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
 ClientSampled : VSTDCCC020EC

Tgt Ion	Resp	Lower	Upper
91	100		
92	52.4	0.0	104.2
134	26.7	0.0	50.6

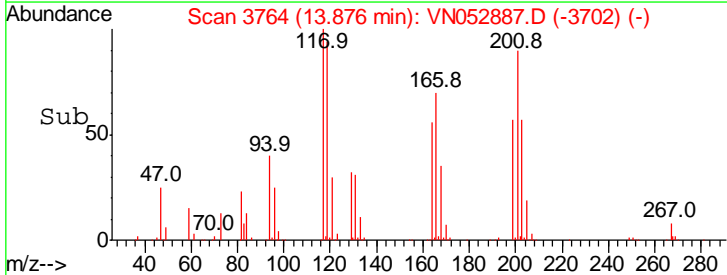
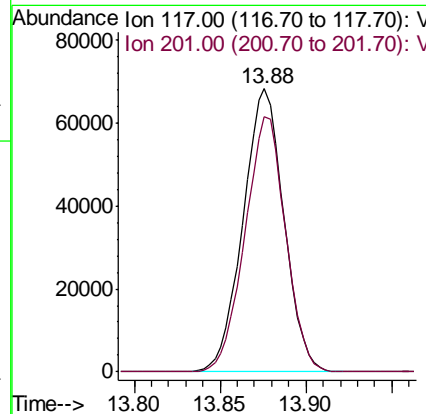
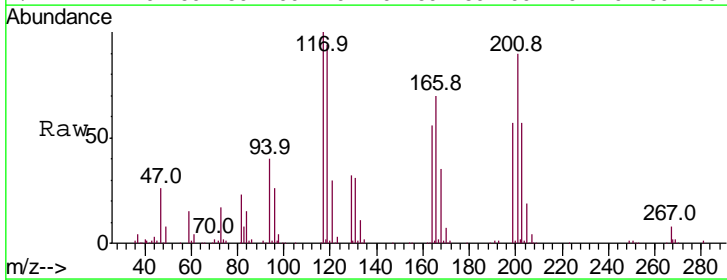
Manual Integrations
 APPROVED

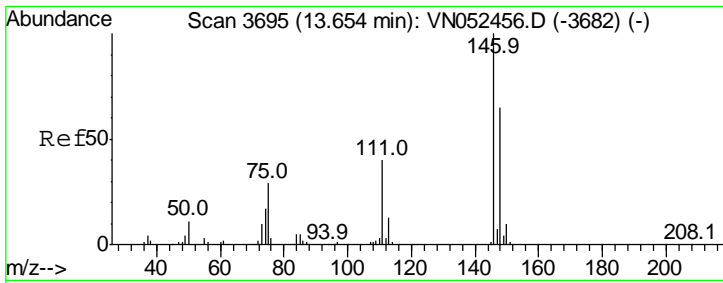
MMDadoda
 12/17/2018 3:05:46 PM



#86
 Hexachloroethane
 Concen: 16.568 ug/l
 RT: 13.88 min Scan# 3764
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
117	100		
201	89.5	43.8	131.3



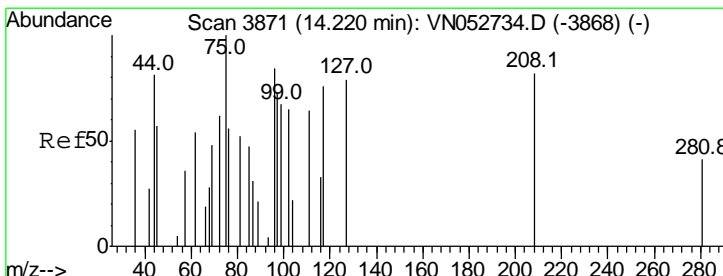
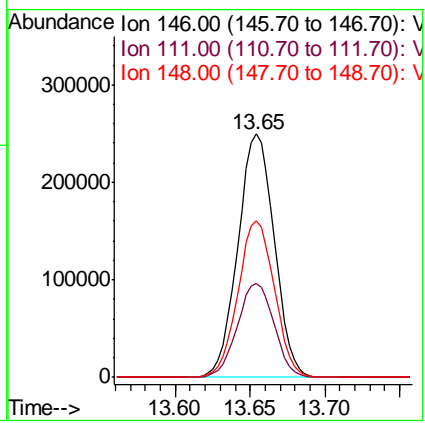
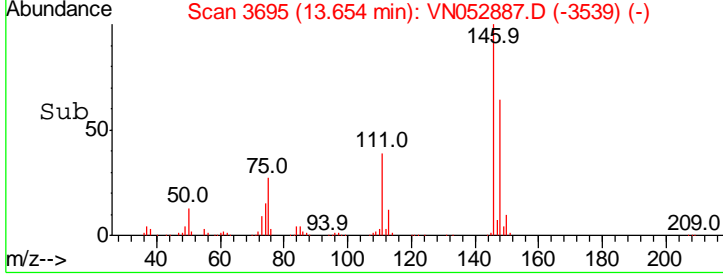
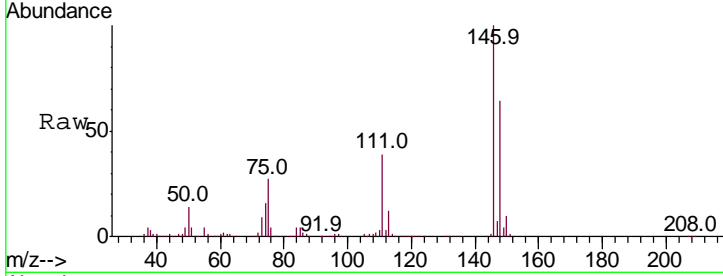


#87
 1,2-Dichlorobenzene
 Concen: 21.783 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
 ClientSampled : VSTDCCC020EC

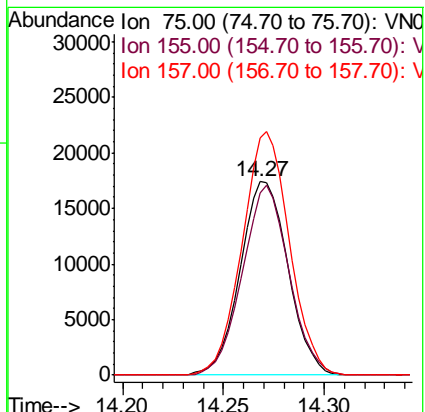
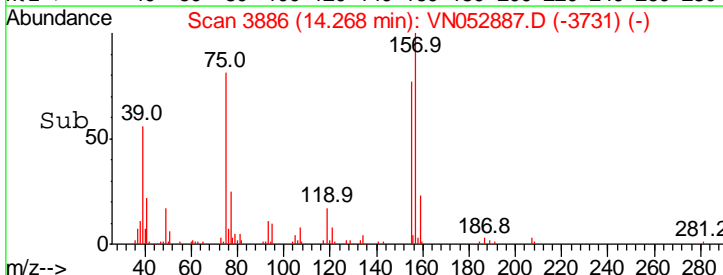
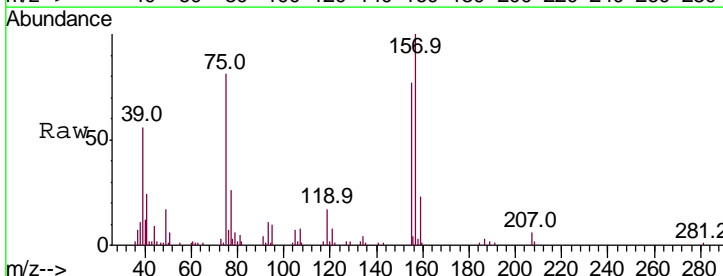
Tgt Ion	Resp	Lower	Upper
146	100		
111	38.9	20.3	60.8
148	64.4	32.1	96.5

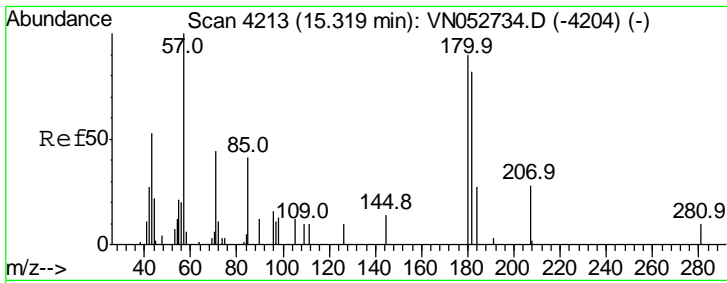
Manual Integrations
APPROVED
 MMDadoda
 12/17/2018 3:05:46 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.788 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
75	100		
155	95.3	72.2	108.2
157	124.4	94.2	141.2





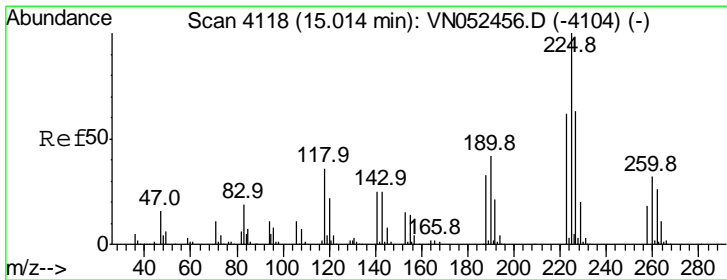
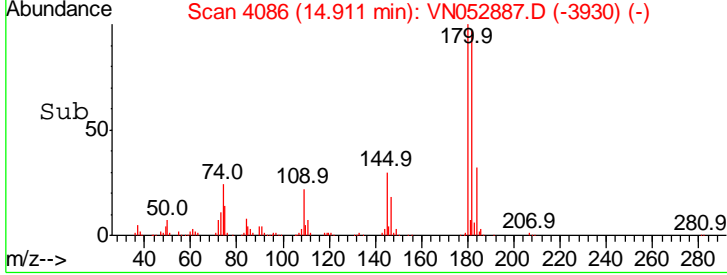
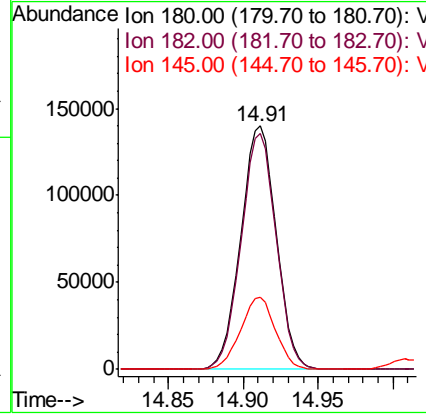
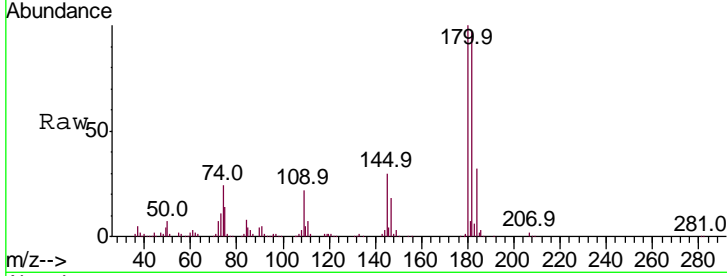
#89
 1,2,4-Trichlorobenzene
 Concen: 24.094 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Instrument : MSVOA_N
 ClientSampled : VSTDCCC020EC

Tgt Ion	Resp	Lower	Upper
180	100		
182	96.0	76.6	114.8
145	29.3	23.6	35.4

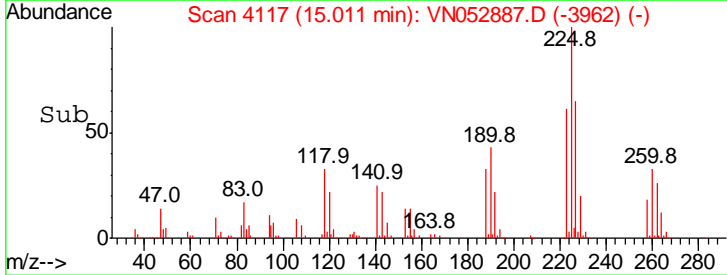
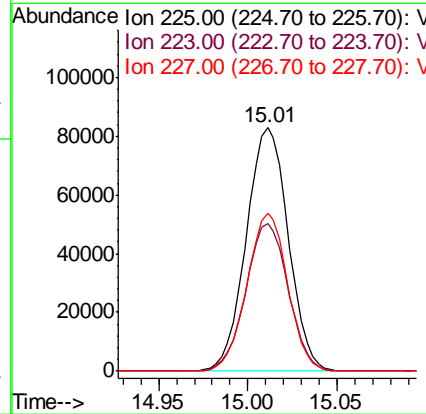
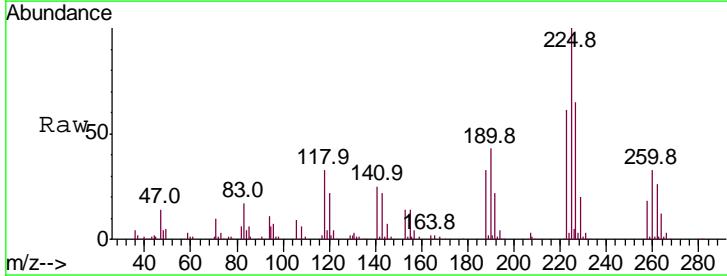
Manual Integrations
 APPROVED

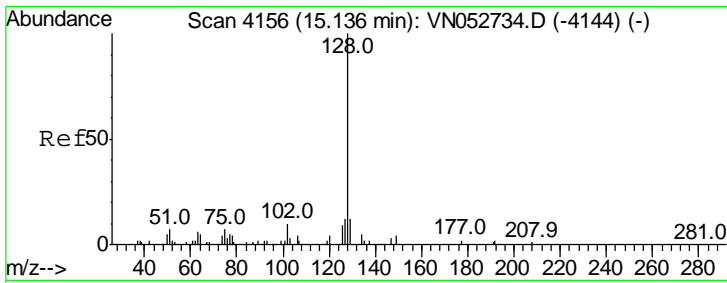
MMDadoda
 12/17/2018 3:05:46 PM



#90
 Hexachlorobutadiene
 Concen: 21.717 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
225	100		
223	61.2	0.0	125.6
227	63.0	0.0	127.8



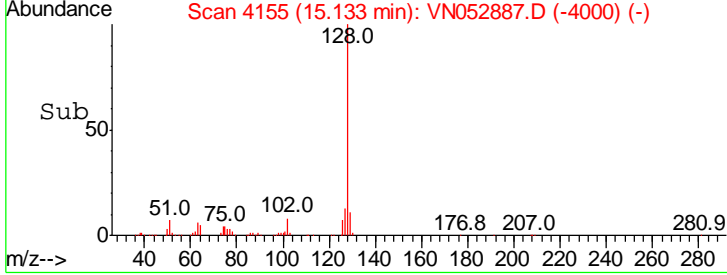
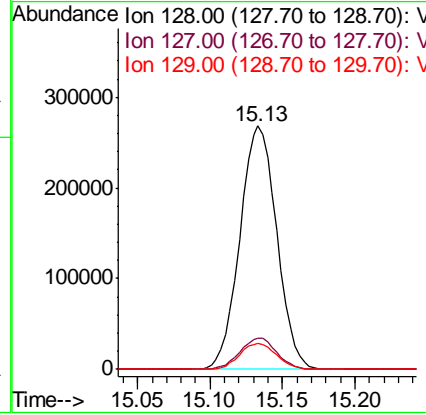
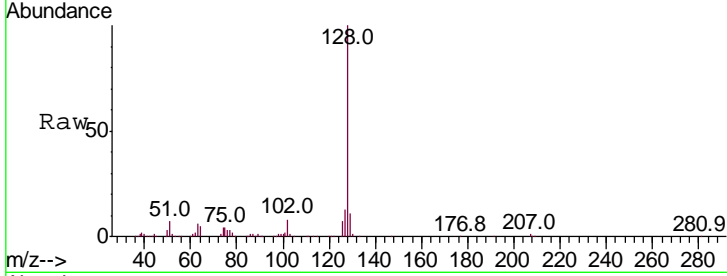


#91
 Naphthalene
 Concen: 24.529 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
128	100		
127	12.8	9.9	14.9
129	10.7	8.5	12.7

Instrument : MSVOA_N
 Client Sampled : VSTDCCC020EC

Manual Integrations APPROVED
 MMDadoda
 12/17/2018 3:05:46 PM



#92
 1,2,3-Trichlorobenzene
 Concen: 23.059 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN052887.D
 Acq: 14 Dec 2018 14:23

Tgt Ion	Resp	Lower	Upper
180	100		
182	97.1	0.0	196.2
145	31.0	0.0	62.2

