

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112918\
 Data File : VN052565.D
 Acq On : 29 Nov 2018 15:18
 Operator : MD\SY
 Sample : VN1129WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/30/2018 11:11:39 AM

Quant Time: Nov 30 03:07:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1059147	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1650827	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1440415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	639281	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	581058	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
35) Dibromofluoromethane	7.59	113	530163	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
50) Toluene-d8	10.09	98	2004152	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
62) 4-Bromofluorobenzene	12.40	95	671318	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	174561	17.602	ug/l	98
3) Chloromethane	2.06	50	224547	17.153	ug/l	99
4) Vinyl Chloride	2.19	62	245737	18.274	ug/l	100
5) Bromomethane	2.58	94	137089	16.339	ug/l	98
6) Chloroethane	2.71	64	149995	18.415	ug/l	97
7) Trichlorofluoromethane	3.03	101	311497	18.858	ug/l	100
8) Diethyl Ether	3.41	74	116883	19.161	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	196947	19.108	ug/l	98
10) Methyl Iodide	3.96	142	263126	19.167	ug/l	98
11) Tert butyl alcohol	4.78	59	54246	93.960	ug/l	99
12) 1,1-Dichloroethene	3.74	96	186649	18.813	ug/l	99
13) Acrolein	3.61	56	76703	99.075	ug/l	95
14) Allyl chloride	4.33	41	312757	18.290	ug/l	99
15) Acrylonitrile	4.99	53	334970	91.657	ug/l	98
16) Acetone	3.82	43	236244	77.668	ug/l	100
17) Carbon Disulfide	4.06	76	524286	16.792	ug/l	99
18) Methyl Acetate	4.33	43	162108	18.580	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	514192	19.479	ug/l	100
20) Methylene Chloride	4.55	84	211702	17.785	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	201534	19.019	ug/l	96
22) Diisopropyl ether	5.95	45	675331	18.802	ug/l	98
23) Vinyl Acetate	5.90	43	2055039	91.858	ug/l	98
24) 1,1-Dichloroethane	5.85	63	386978	18.870	ug/l	99
25) 2-Butanone	6.84	43	363344	84.277	ug/l	96
26) 2,2-Dichloropropane	6.83	77	255000	17.964	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	235138	19.050	ug/l	97
28) Bromochloromethane	7.20	49	170569	18.210	ug/l	94
29) Tetrahydrofuran	7.21	42	250571	90.108	ug/l	98
30) Chloroform	7.37	83	377951	18.472	ug/l	100
31) Cyclohexane	7.66	56	363395	18.074	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	311986	19.245	ug/l	99
36) 1,1-Dichloropropene	7.80	75	293944	18.856	ug/l	100
37) Ethyl Acetate	6.93	43	163074	17.140	ug/l	99
38) Carbon Tetrachloride	7.77	117	264410	18.736	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112918\
 Data File : VN052565.D
 Acq On : 29 Nov 2018 15:18
 Operator : MD\SY
 Sample : VN1129WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1129WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/30/2018 11:11:39 AM

Quant Time: Nov 30 03:07:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	346545	18.289	ug/l	98
40) Benzene	8.04	78	880192	18.946	ug/l	100
41) Methacrylonitrile	7.17	41	87055	16.737	ug/l #	92
42) 1,2-Dichloroethane	8.13	62	267889	19.044	ug/l	100
43) Isopropyl Acetate	8.17	43	314512	19.534	ug/l	98
44) Trichloroethene	8.84	130	229746	19.306	ug/l	98
45) 1,2-Dichloropropane	9.12	63	233484	18.903	ug/l	99
46) Dibromomethane	9.21	93	131033	19.163	ug/l	99
47) Bromodichloromethane	9.40	83	275817	18.553	ug/l	99
48) Methyl methacrylate	9.20	41	151561	18.053	ug/l	98
49) 1,4-Dioxane	9.20	88	35278	404.896	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	831854	92.085	ug/l	99
52) Toluene	10.16	92	536659	19.442	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	264337	18.483	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	323474	18.874	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	184829	19.036	ug/l	99
56) Ethyl methacrylate	10.43	69	229257	18.781	ug/l	99
57) 1,3-Dichloropropane	10.71	76	322705	18.823	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	674065	95.673	ug/l	99
59) 2-Hexanone	10.75	43	533053	87.921	ug/l	98
60) Dibromochloromethane	10.90	129	200034	18.969	ug/l	100
61) 1,2-Dibromoethane	11.01	107	183854	19.065	ug/l	100
64) Tetrachloroethene	10.63	164	226834	20.311	ug/l	98
65) Chlorobenzene	11.44	112	575439	19.374	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	200856	19.449	ug/l	99
67) Ethyl Benzene	11.51	91	1002187	19.268	ug/l	100
68) m/p-Xylenes	11.62	106	757809	39.137	ug/l	100
69) o-Xylene	11.95	106	367635	19.552	ug/l	99
70) Styrene	11.97	104	591680	19.757	ug/l	99
71) Bromoform	12.13	173	127177	18.599	ug/l #	99
73) Isopropylbenzene	12.25	105	985149	19.642	ug/l	99
74) N-amyl acetate	12.07	43	233323	18.414	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	213949	18.752	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	185571m	18.824	ug/l	
77) Bromobenzene	12.53	156	241652	19.493	ug/l	97
78) n-propylbenzene	12.59	91	1107626	19.439	ug/l	99
79) 2-Chlorotoluene	12.68	91	659059	19.423	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	792575	19.814	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	49456	16.754	ug/l	92
82) 4-Chlorotoluene	12.78	91	647943	18.947	ug/l	99
83) tert-Butylbenzene	12.99	119	696094	19.520	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	797658	19.898	ug/l	100
85) sec-Butylbenzene	13.17	105	938175	19.315	ug/l	99
86) p-Isopropyltoluene	13.29	119	803306	19.418	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	411549	18.978	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	408604	19.129	ug/l	99
89) n-Butylbenzene	13.62	91	649298	18.872	ug/l	100
90) Hexachloroethane	13.88	117	125776	17.956	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	402762	19.440	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28962	17.749	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112918\
Data File : VN052565.D
Acq On : 29 Nov 2018 15:18
Operator : MD\SY
Sample : VN1129WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Manual Integrations
APPROVED

MMDadoda
11/30/2018 11:11:39 AM

Quant Time: Nov 30 03:07:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 28 01:11:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	186981	18.372	ug/l	99
94) Hexachlorobutadiene	15.01	225	127129	19.074	ug/l	99
95) Naphthalene	15.14	128	372008	17.825	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	172432	18.350	ug/l	99

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

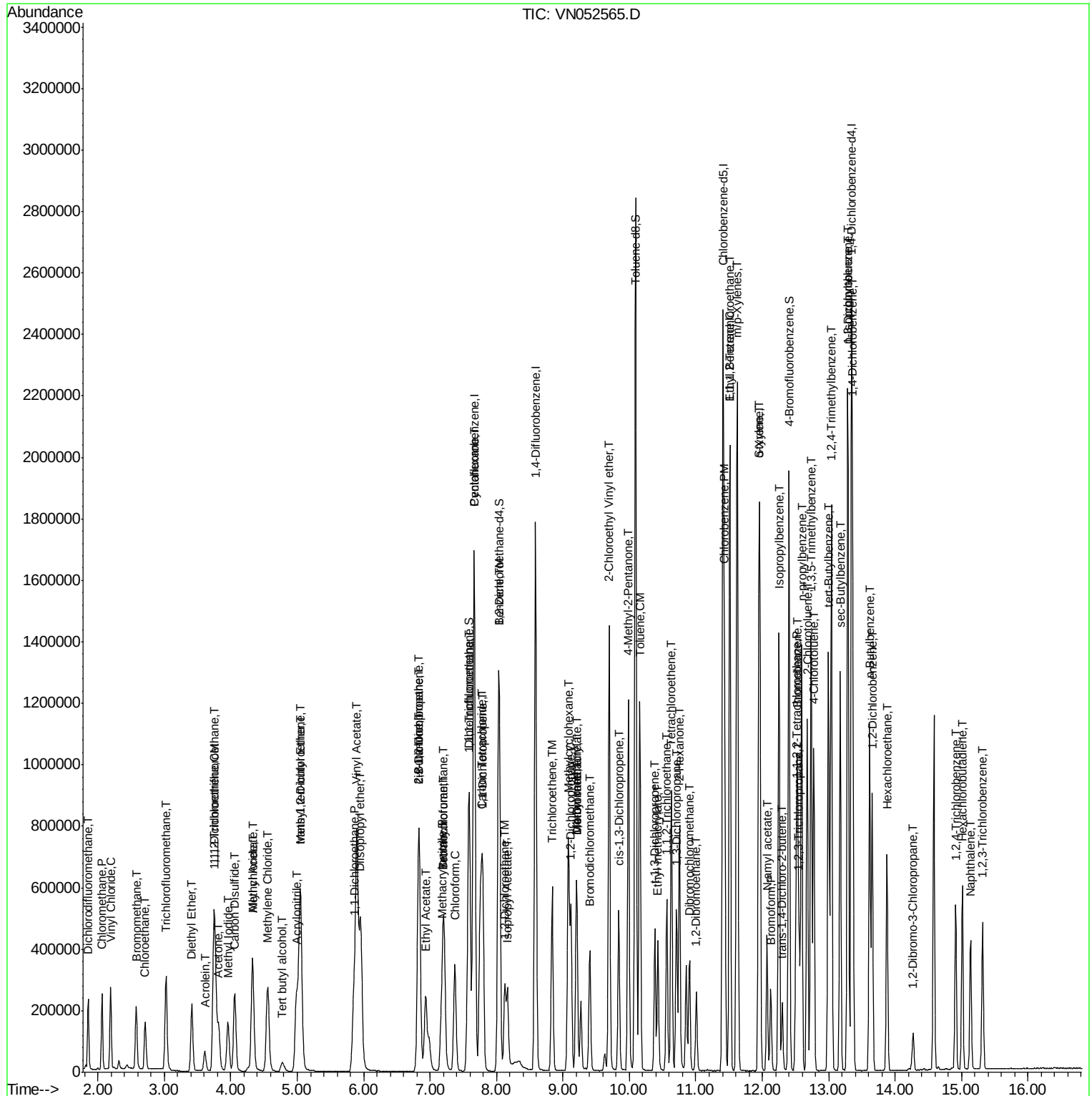
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN112918\
 Data File : VN052565.D
 Acq On : 29 Nov 2018 15:18
 Operator : MD\SY
 Sample : VN1129WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 28

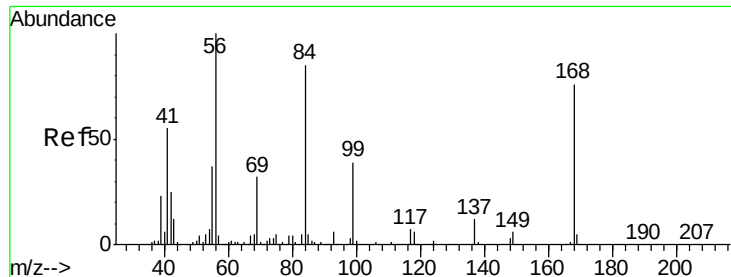
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/30/2018 11:11:39 AM

Quant Time: Nov 30 03:07:31 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS01

Tgt Ion:168 Resp: 1059147

Ion Ratio Lower Upper

168 100

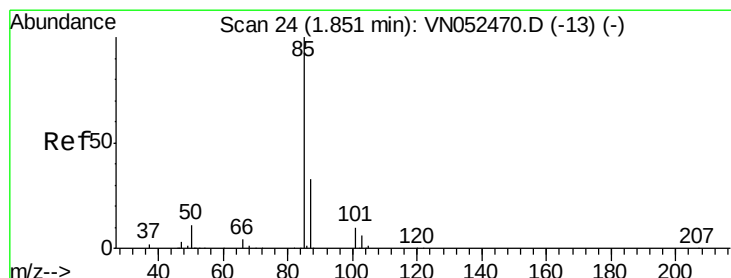
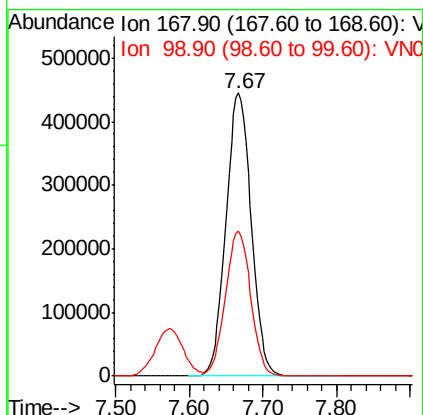
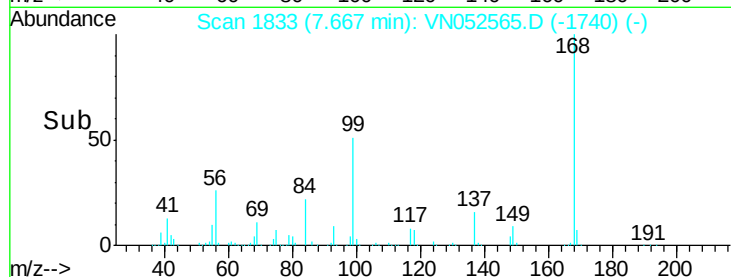
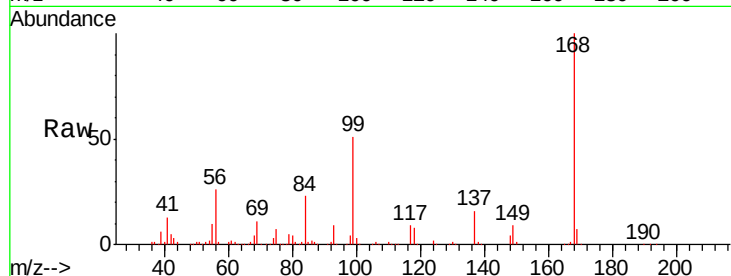
99 51.0 41.7 62.5

Manual Integrations

APPROVED

MMDadoda

11/30/2018 11:11:39 AM



#2

Dichlorodifluoromethane

Concen: 17.602 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052565.D

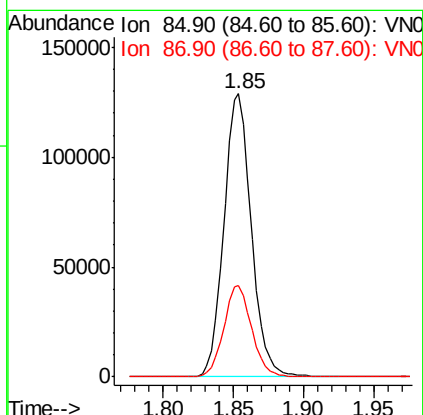
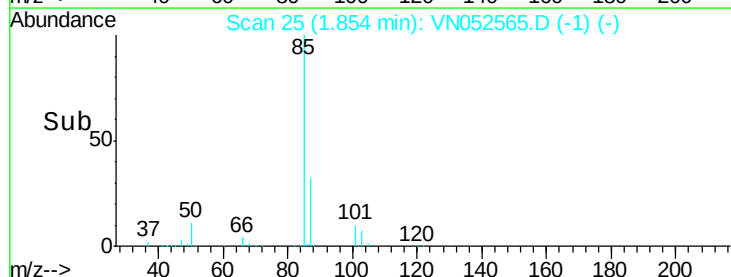
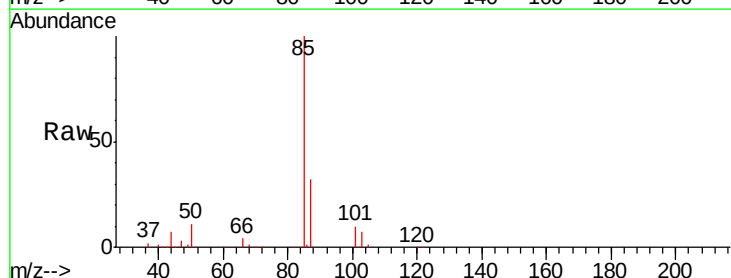
Acq: 29 Nov 2018 15:18

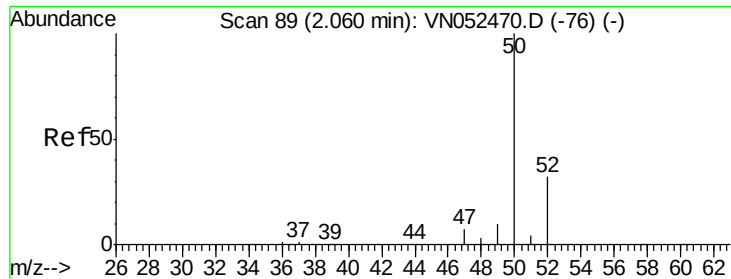
Tgt Ion: 85 Resp: 174561

Ion Ratio Lower Upper

85 100

87 32.4 16.7 50.1





#3

Chloromethane

Concen: 17.153 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS01

Tgt Ion: 50 Resp: 224547

Ion Ratio Lower Upper

50 100

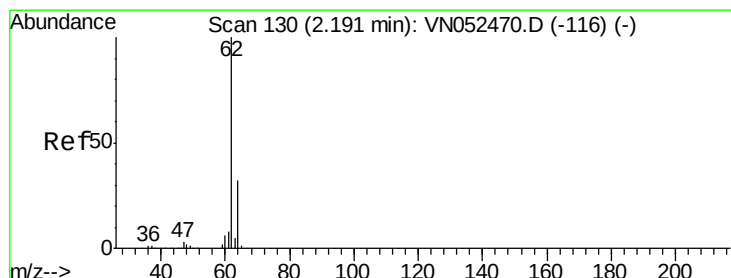
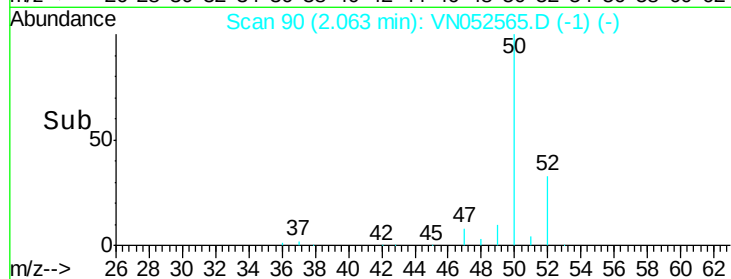
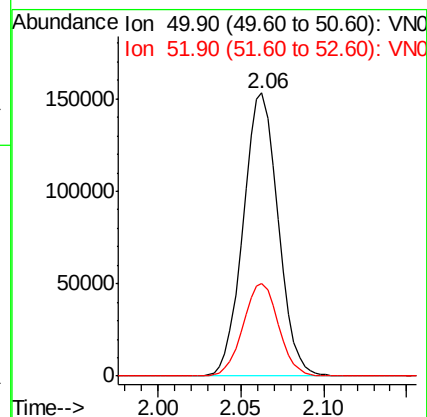
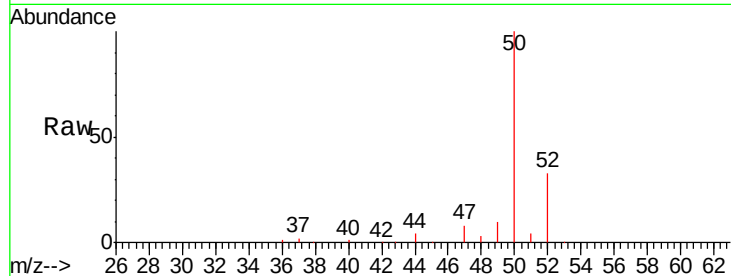
52 32.7 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

11/30/2018 11:11:39 AM



#4

Vinyl Chloride

Concen: 18.274 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052565.D

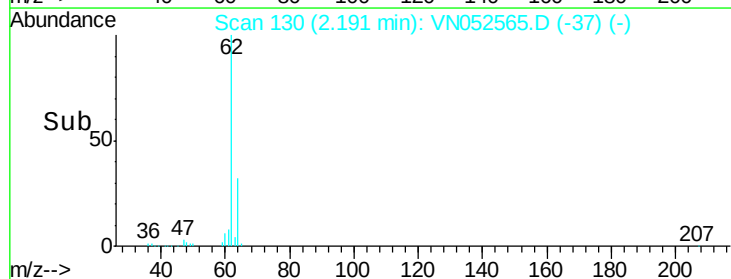
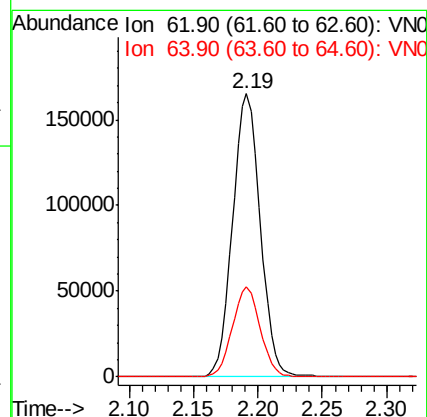
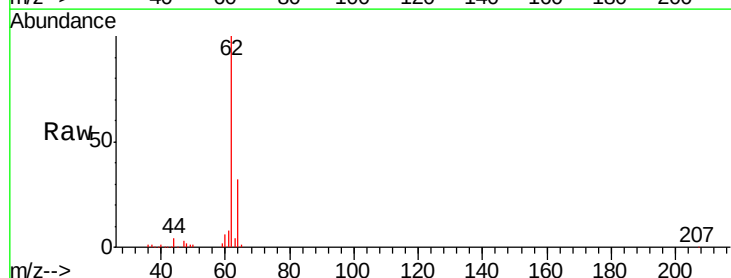
Acq: 29 Nov 2018 15:18

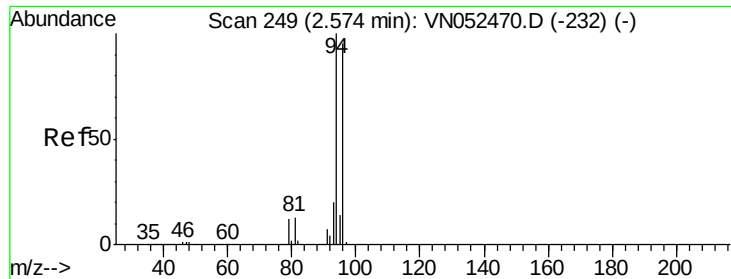
Tgt Ion: 62 Resp: 245737

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2





#5

Bromomethane

Concen: 16.339 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS01

Tgt Ion: 94 Resp: 137089

Ion Ratio Lower Upper

94 100

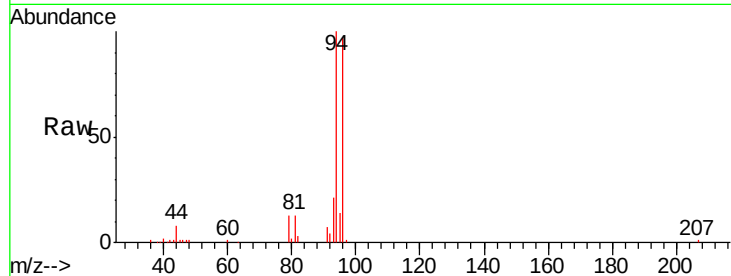
96 96.7 75.8 113.8

Manual Integrations

APPROVED

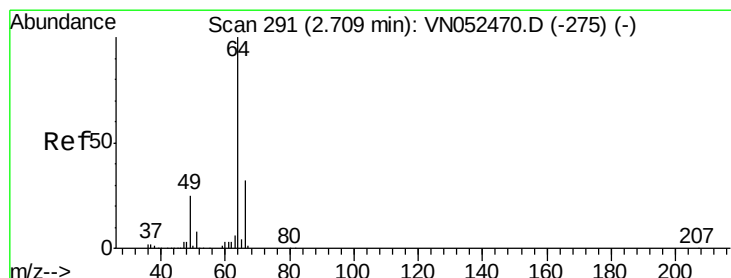
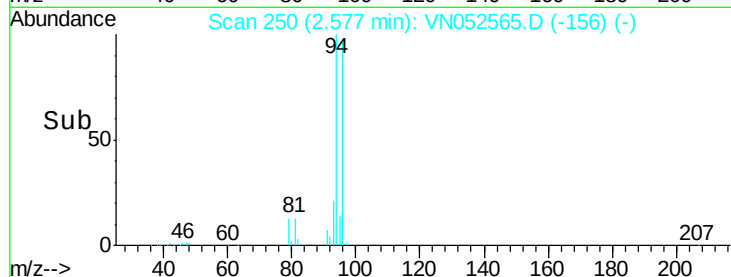
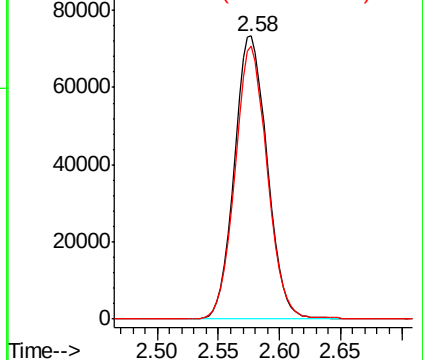
MMDadoda

11/30/2018 11:11:39 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.415 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052565.D

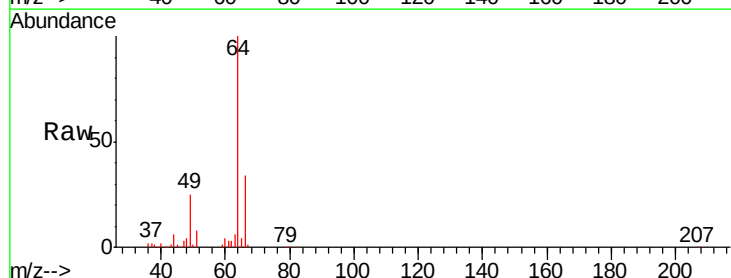
Acq: 29 Nov 2018 15:18

Tgt Ion: 64 Resp: 149995

Ion Ratio Lower Upper

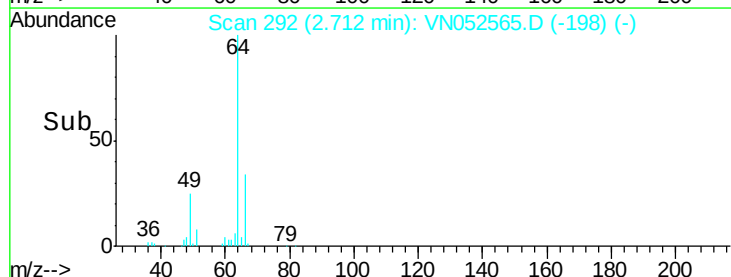
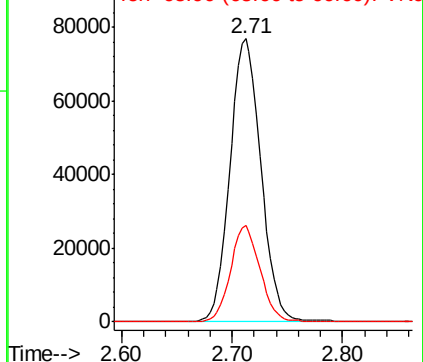
64 100

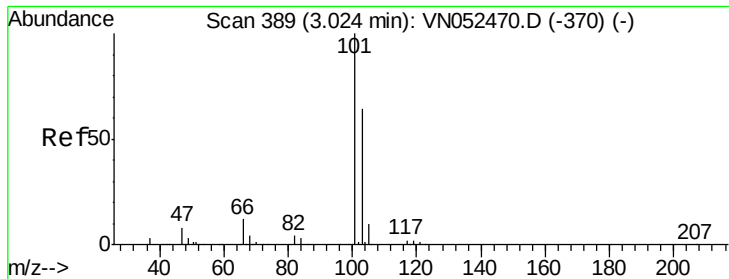
66 33.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

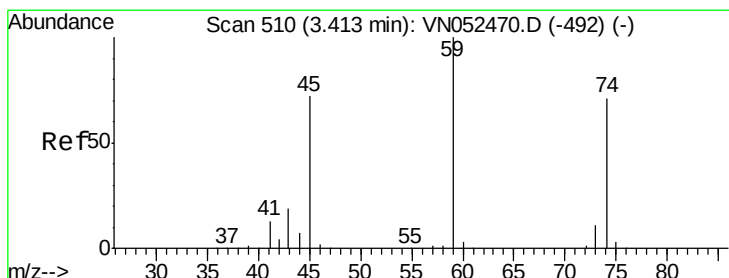
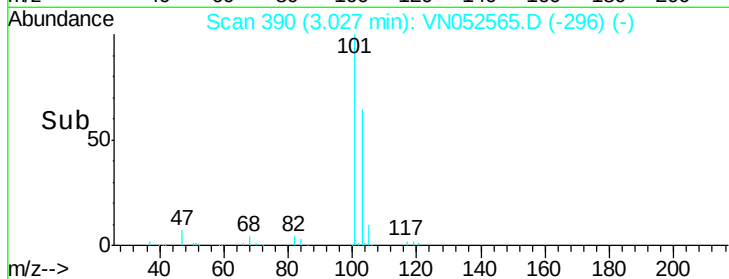
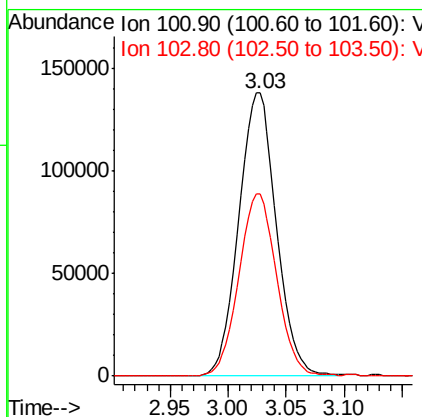
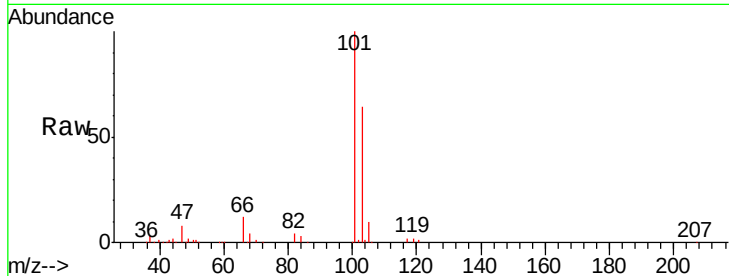
Trichlorofluoromethane
Concen: 18.858 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.4	77.2

Manual Integrations
APPROVED

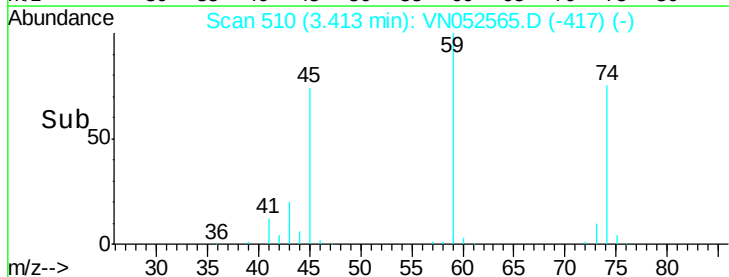
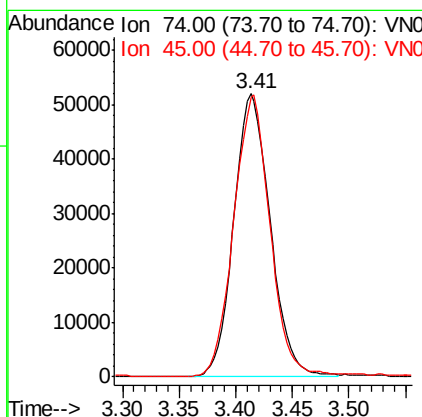
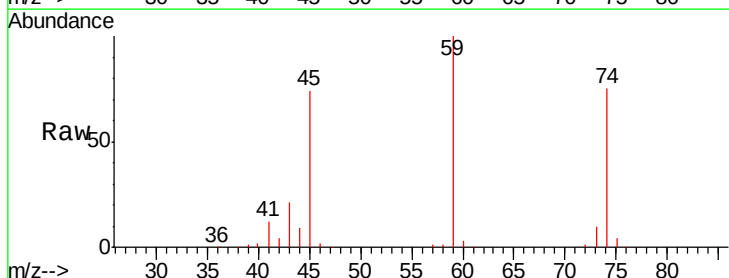
MMDadoda
11/30/2018 11:11:39 AM

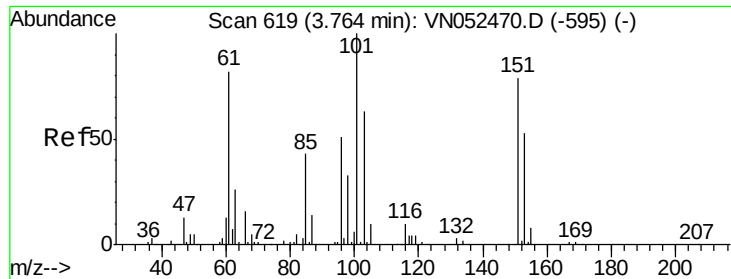


#8

Diethyl Ether
Concen: 19.161 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.4	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.108 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Instrument :

MSVOA_N

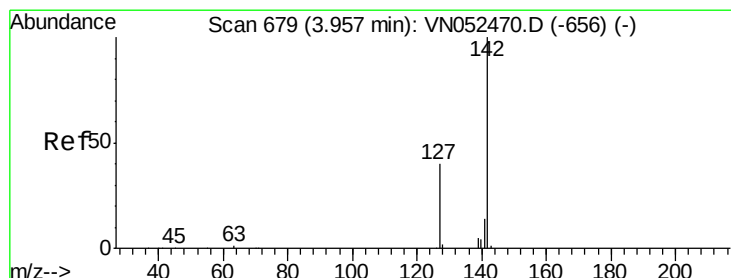
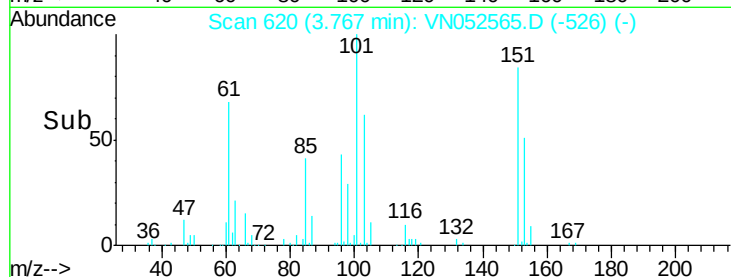
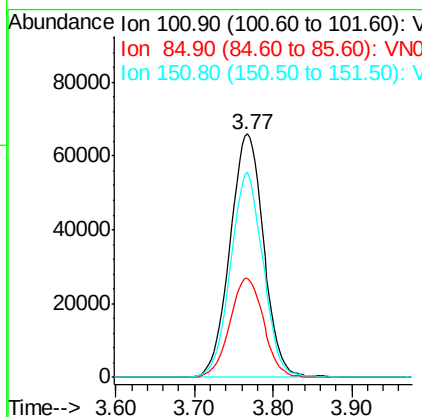
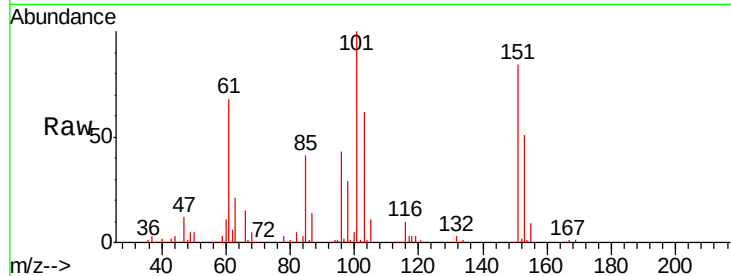
ClientSampleId :

VN1129WBS01

Tgt	Ion	101	Resp:	196947
Ion	Ratio	Lower	Upper	
101	100			
85	40.9	34.2	51.4	
151	81.5	64.6	96.8	

Manual Integrations
APPROVED

MMDadoda
11/30/2018 11:11:39 AM



#10

Methyl Iodide

Concen: 19.167 ug/l

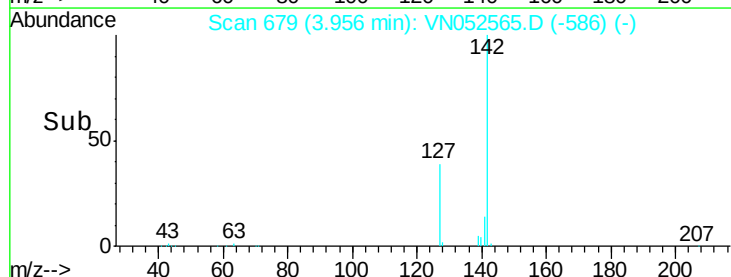
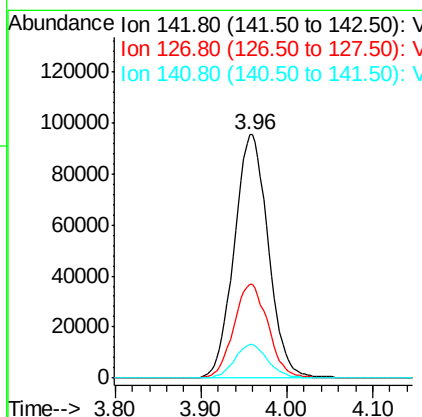
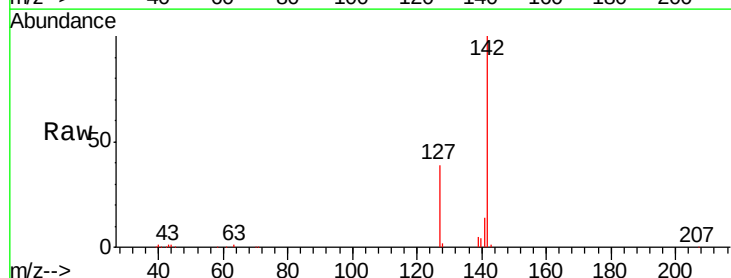
RT: 3.96 min Scan# 679

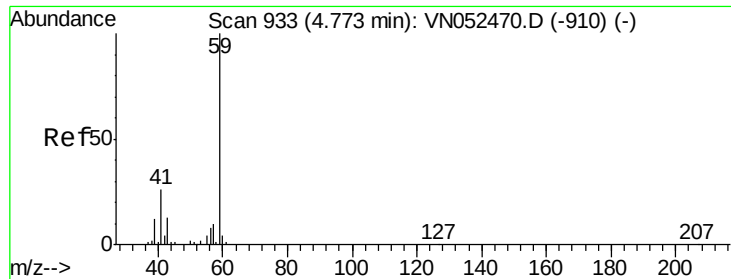
Delta R.T. -0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Tgt	Ion	142	Resp:	263126
Ion	Ratio	Lower	Upper	
142	100			
127	38.8	31.8	47.6	
141	13.5	11.4	17.0	





#11

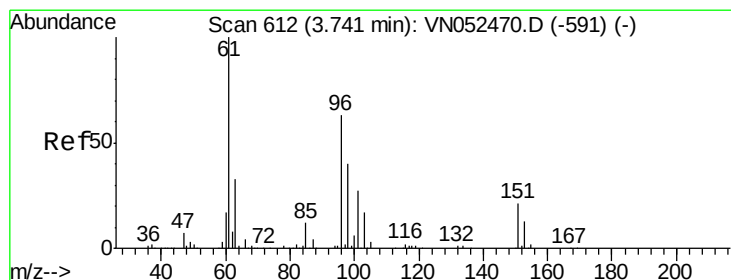
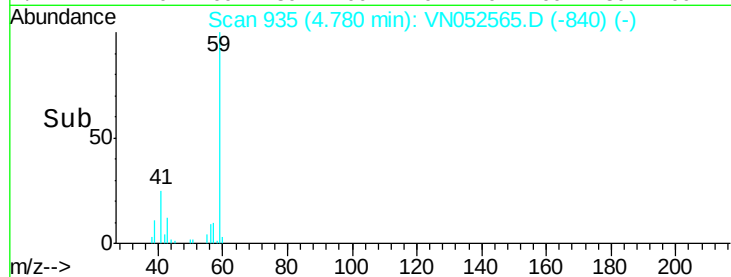
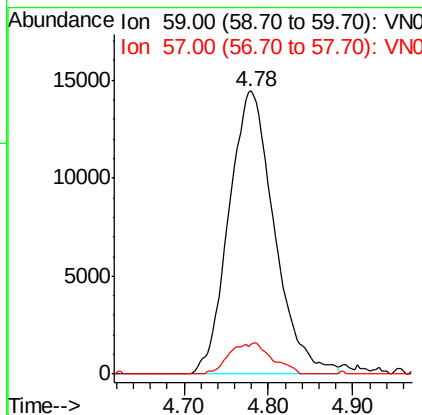
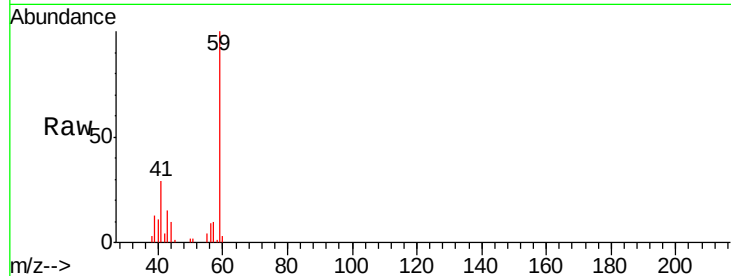
Tert butyl alcohol
 Concen: 93.960 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN052565.D
 Acq: 29 Nov 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.9	11.9

Manual Integrations
 APPROVED

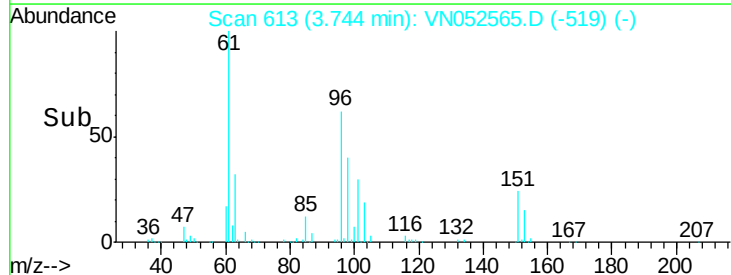
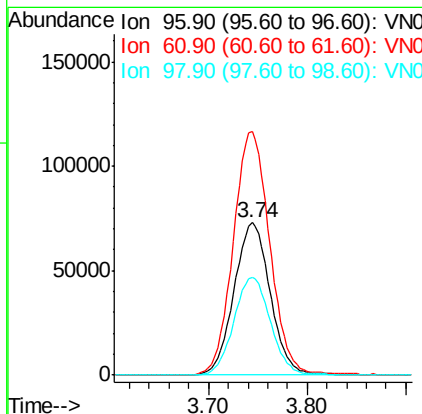
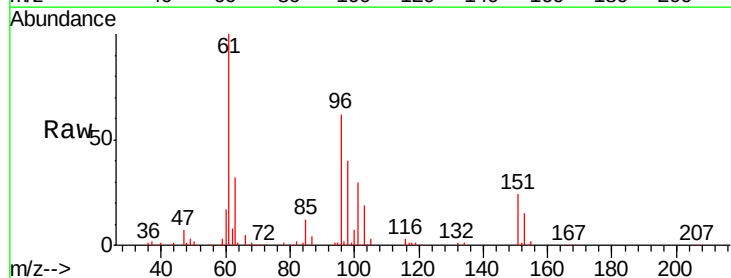
MMDadoda
 11/30/2018 11:11:39 AM

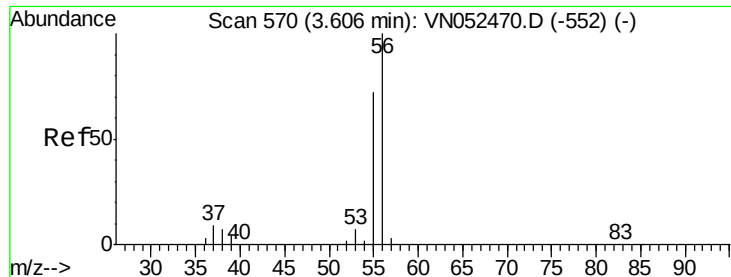


#12

1,1-Dichloroethene
 Concen: 18.813 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052565.D
 Acq: 29 Nov 2018 15:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.0	127.0	190.6
98	64.6	50.3	75.5





#13

Acrolein

Concen: 99.075 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS01

Tgt Ion: 56 Resp: 76703

Ion Ratio Lower Upper

56 100

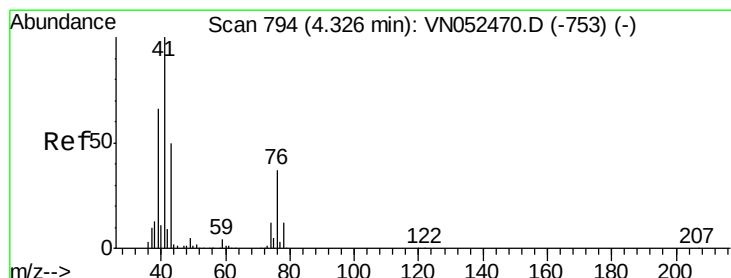
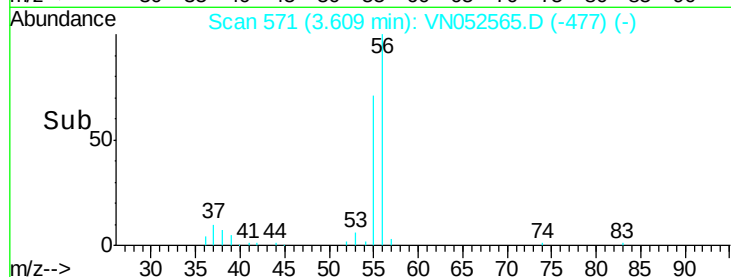
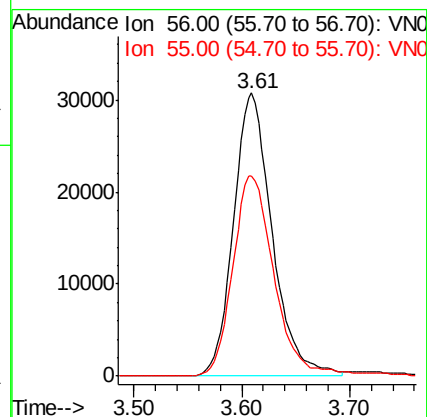
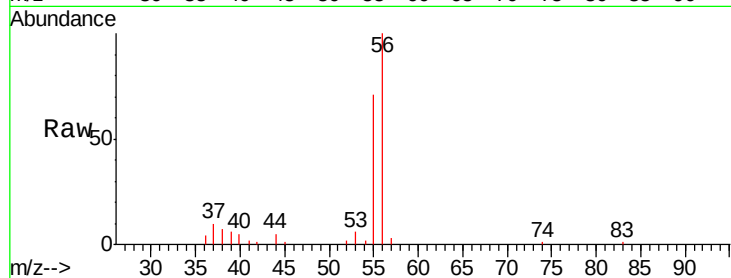
55 74.8 56.8 85.2

Manual Integrations

APPROVED

MMDadoda

11/30/2018 11:11:39 AM



#14

Allyl chloride

Concen: 18.290 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

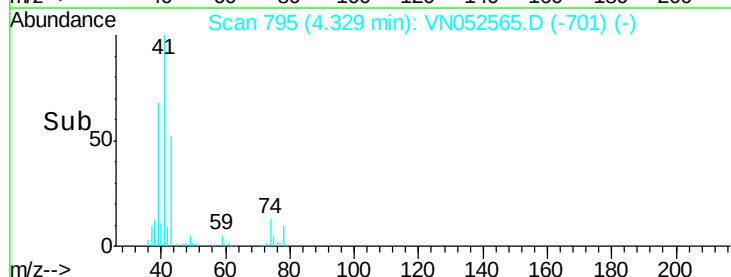
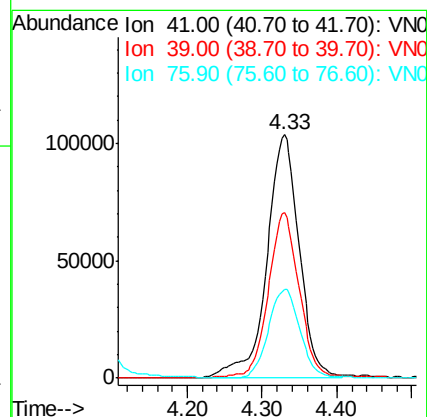
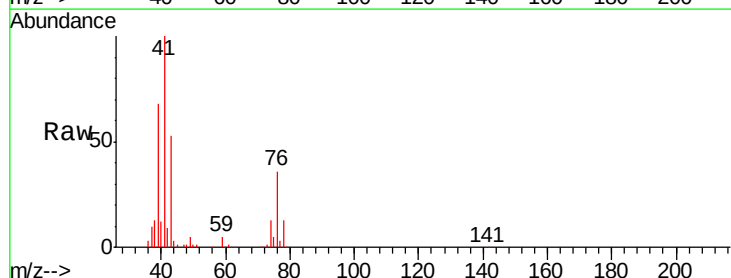
Tgt Ion: 41 Resp: 312757

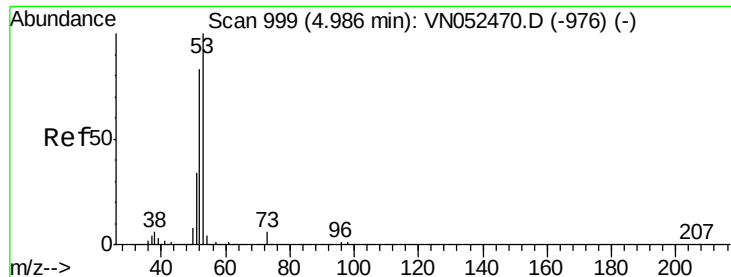
Ion Ratio Lower Upper

41 100

39 64.3 50.6 76.0

76 34.8 27.4 41.2





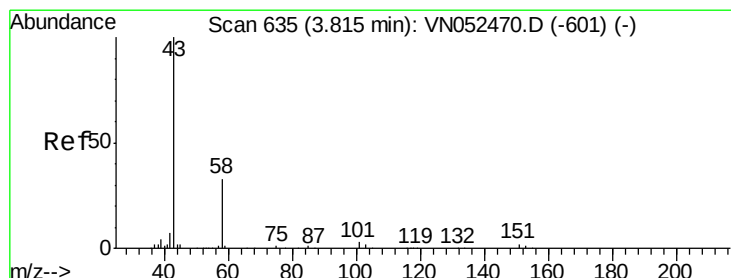
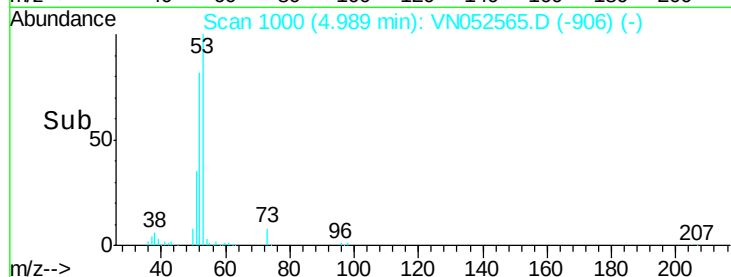
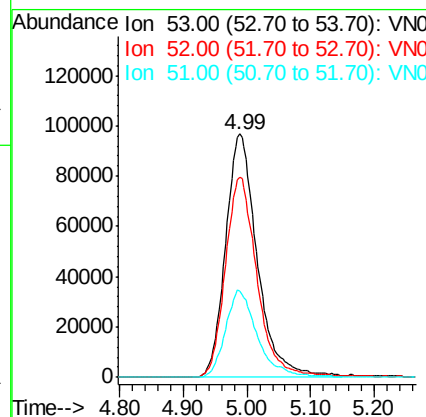
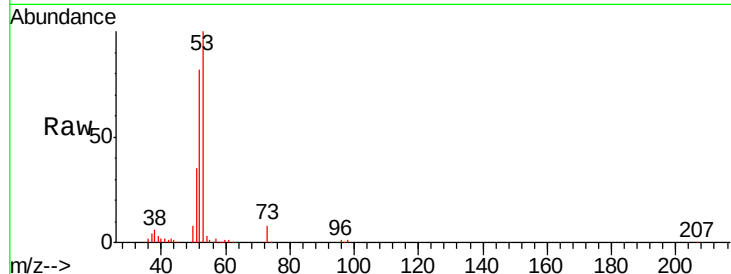
#15
Acrylonitrile
Concen: 91.657 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.2	99.2
51	35.8	28.1	42.1

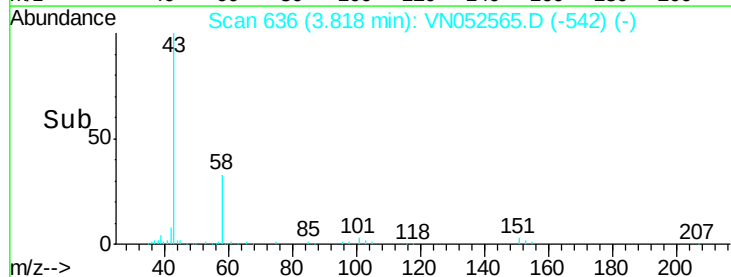
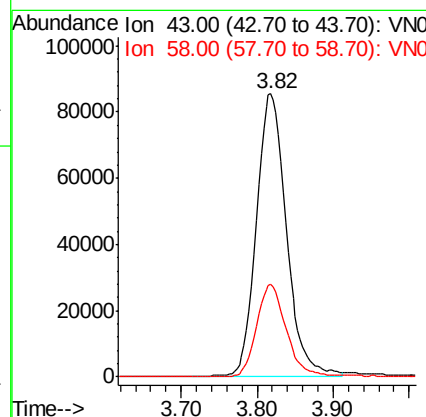
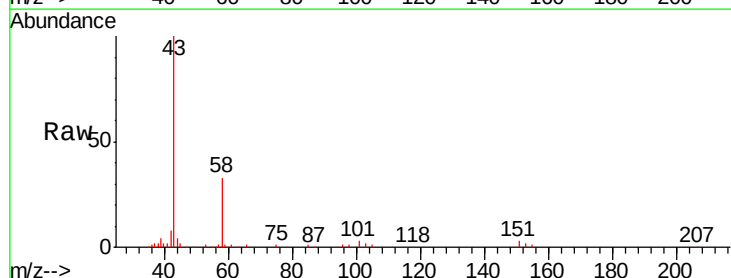
Manual Integrations
APPROVED

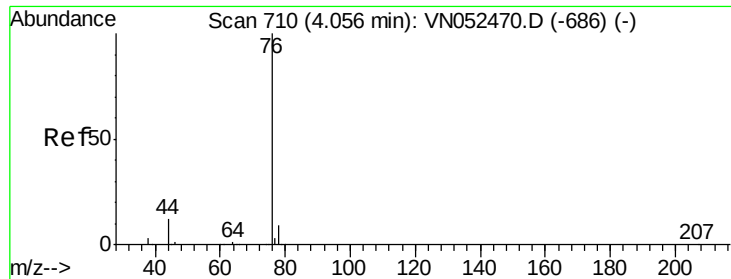
MMDadoda
11/30/2018 11:11:39 AM



#16
Acetone
Concen: 77.668 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.7	26.0	39.0





#17

Carbon Disulfide

Concen: 16.792 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS01

Tgt Ion: 76 Resp: 524286

Ion Ratio Lower Upper

76 100

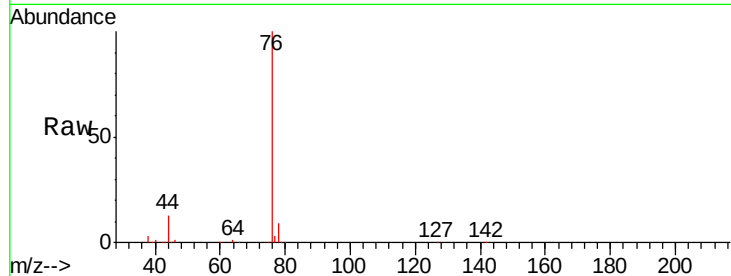
78 8.9 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

11/30/2018 11:11:39 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

200000

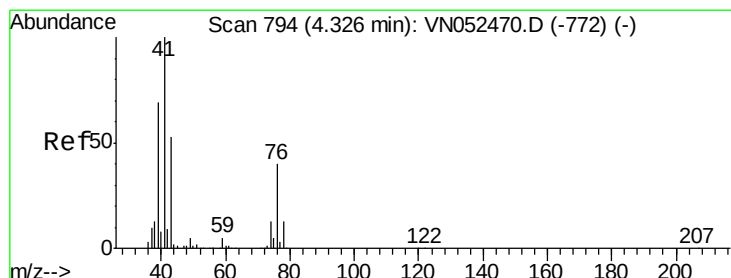
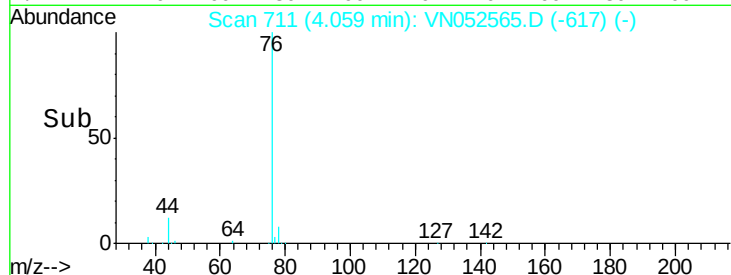
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 18.580 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052565.D

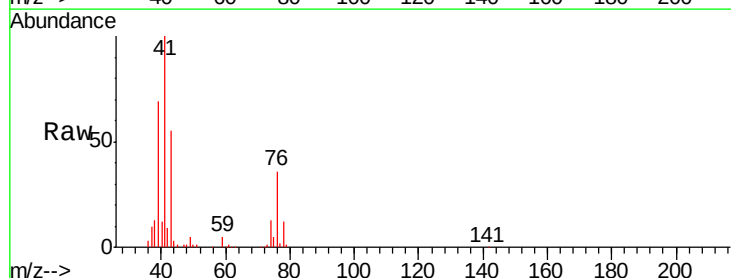
Acq: 29 Nov 2018 15:18

Tgt Ion: 43 Resp: 162108

Ion Ratio Lower Upper

43 100

74 23.9 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

60000

50000

40000

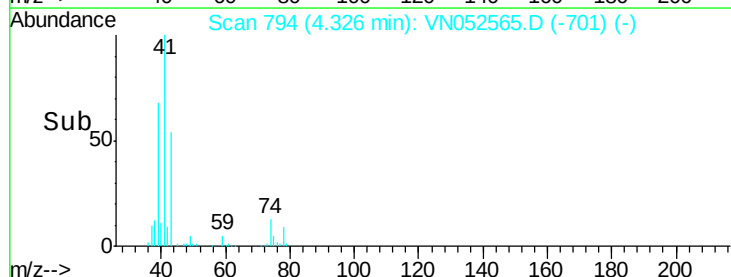
30000

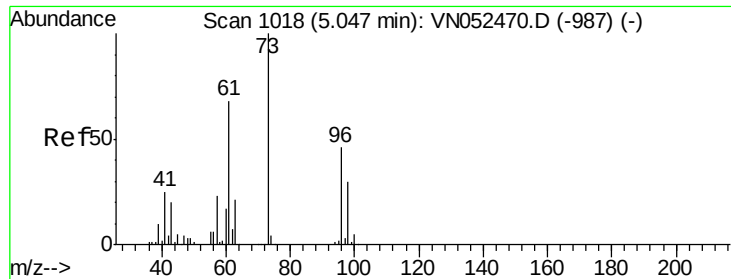
20000

10000

0

Time--> 4.20 4.30 4.40





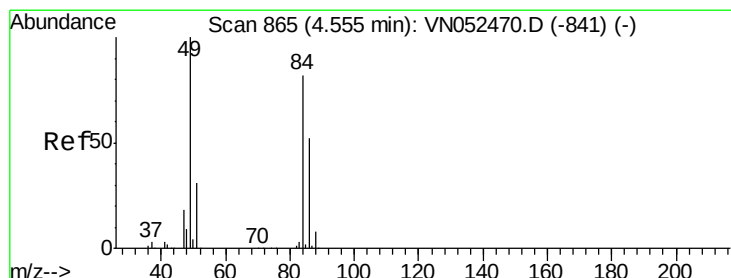
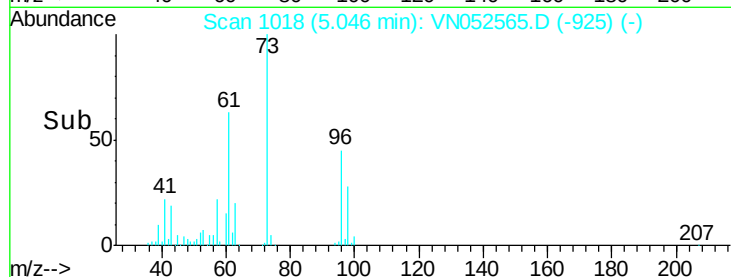
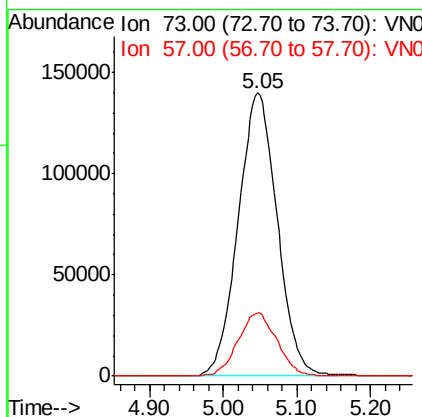
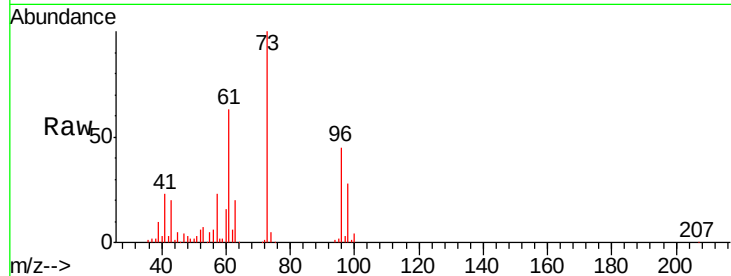
#19
Methyl tert-butyl Ether
Concen: 19.479 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tgt Ion: 73 Resp: 514192
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.2

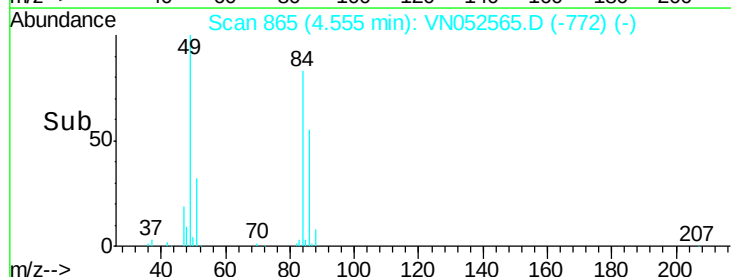
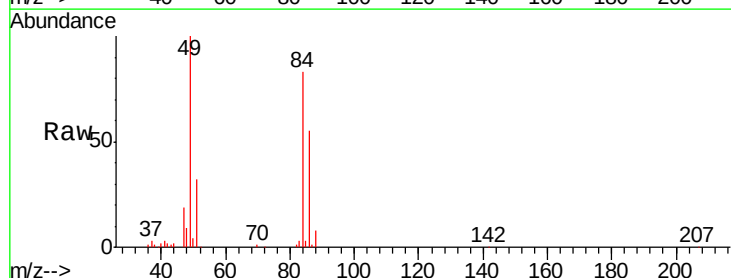
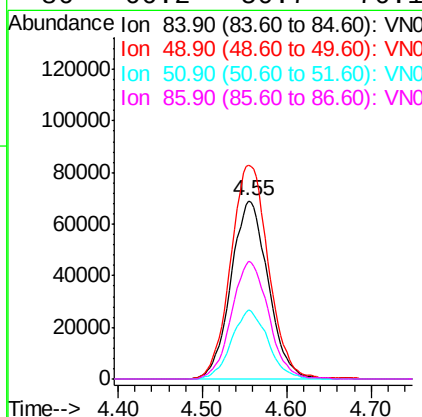
Manual Integrations
APPROVED

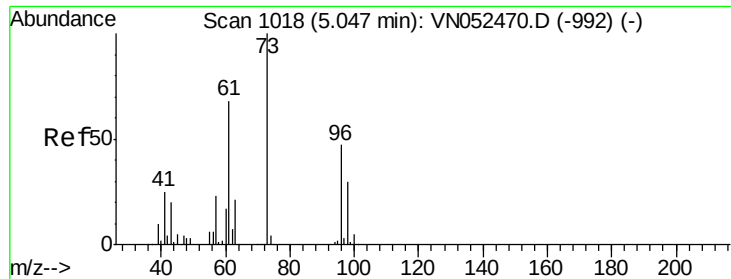
MMDadoda
11/30/2018 11:11:39 AM



#20
Methylene Chloride
Concen: 17.785 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Tgt Ion: 84 Resp: 211702
Ion Ratio Lower Upper
84 100
49 120.0 98.0 147.0
51 38.6 30.1 45.1
86 66.2 50.7 76.1





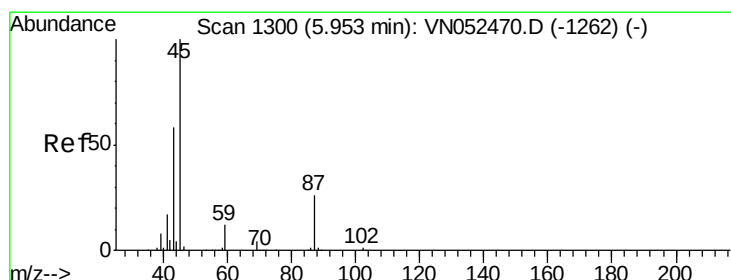
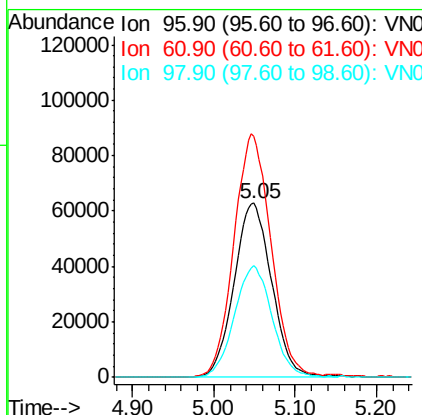
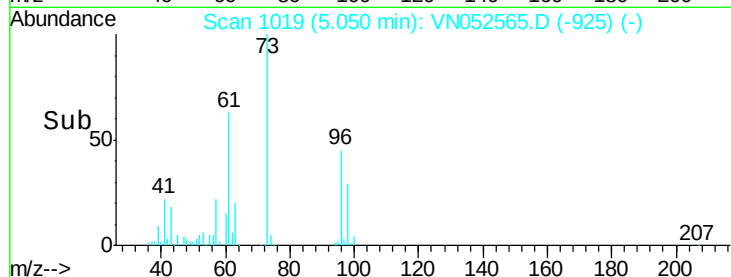
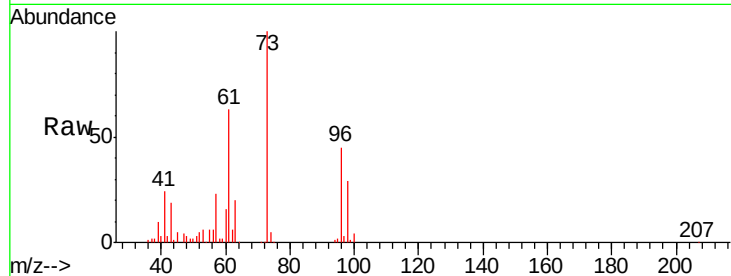
#21
trans-1,2-Dichloroethene
Concen: 19.019 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.9	117.0	175.4
98	64.3	51.8	77.6

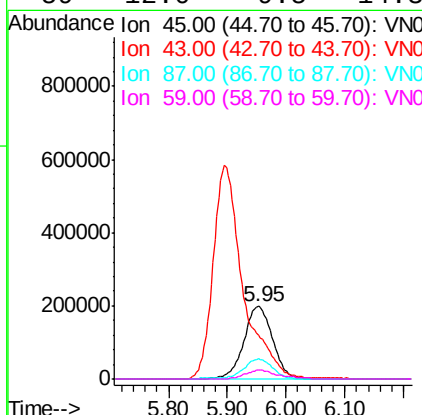
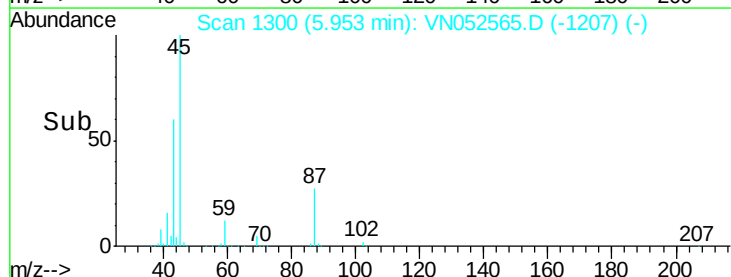
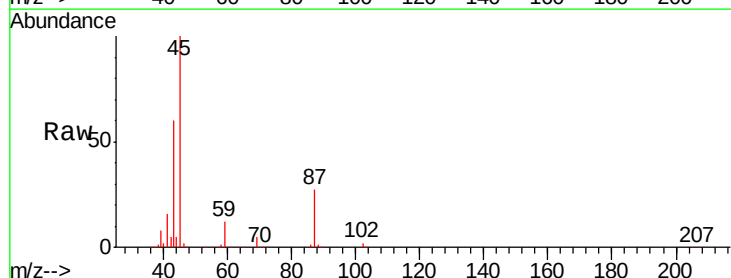
Manual Integrations
APPROVED

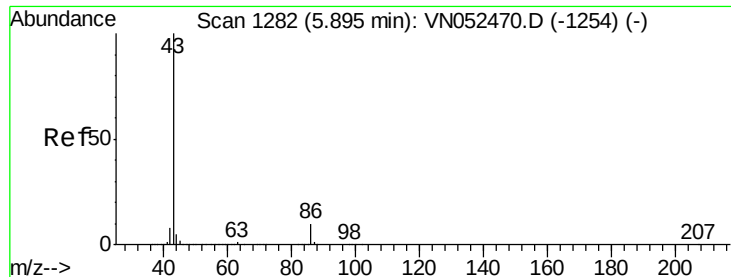
MMDadoda
11/30/2018 11:11:39 AM



#22
Diisopropyl ether
Concen: 18.802 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.0	46.1	69.1
87	27.5	21.3	31.9
59	12.0	9.5	14.3





#23

Vinyl Acetate

Concen: 91.858 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS01

Tgt Ion: 43 Resp: 2055039

Ion Ratio Lower Upper

43 100

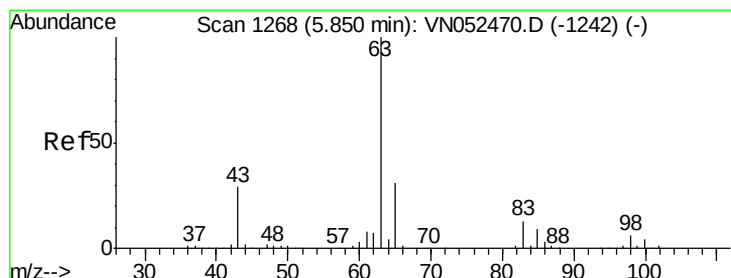
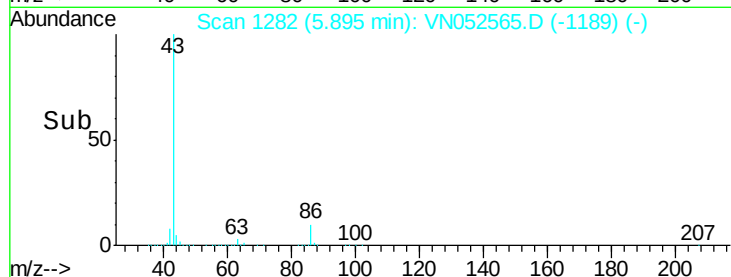
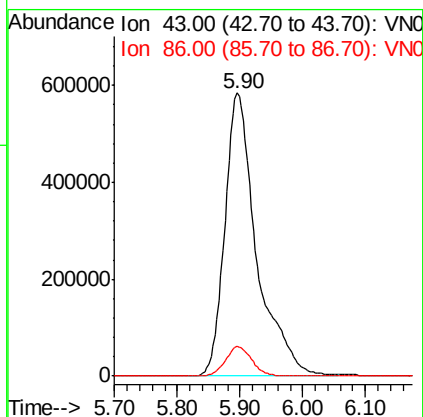
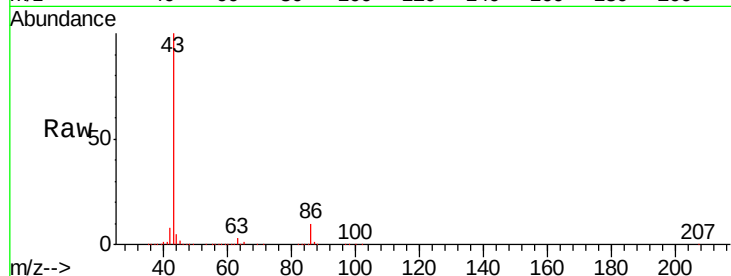
86 10.4 7.8 11.8

Manual Integrations

APPROVED

MMDadoda

11/30/2018 11:11:39 AM



#24

1,1-Dichloroethane

Concen: 18.870 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

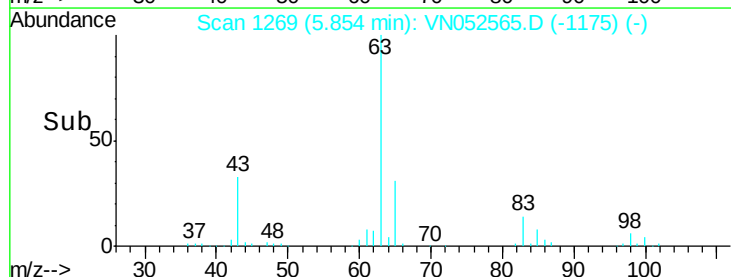
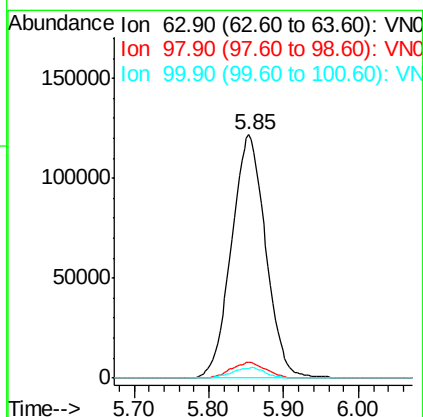
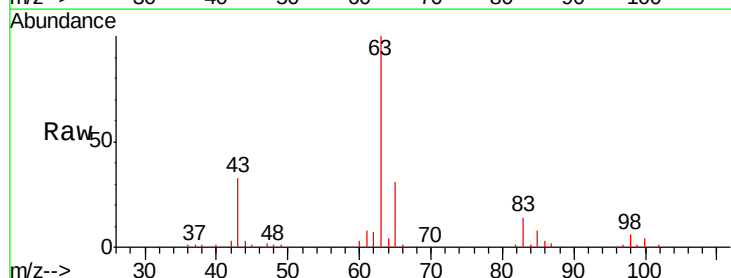
Tgt Ion: 63 Resp: 386978

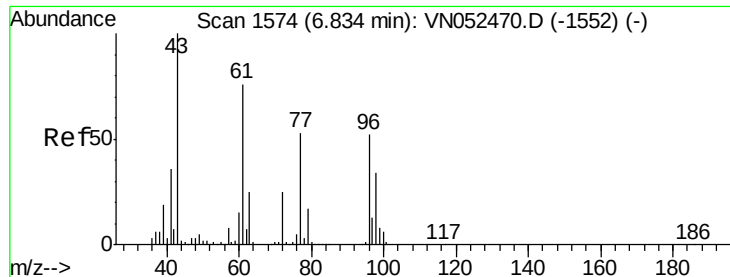
Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

100 4.0 2.0 5.8





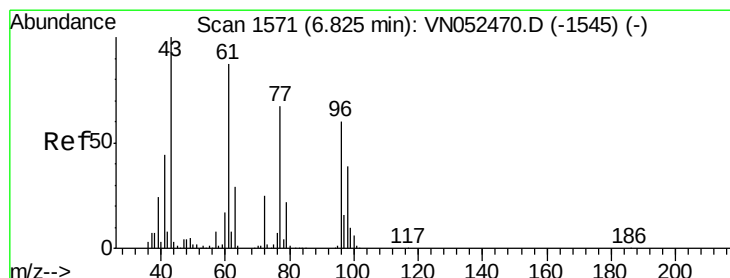
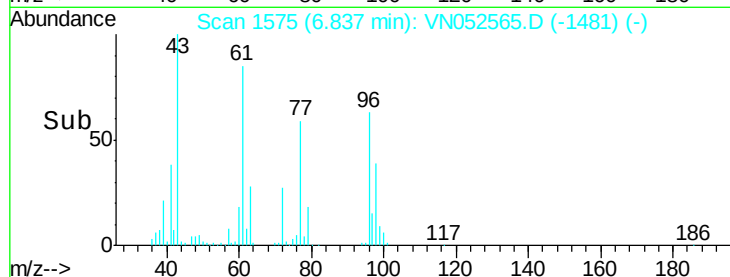
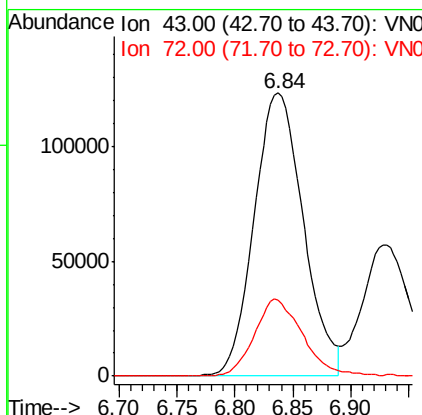
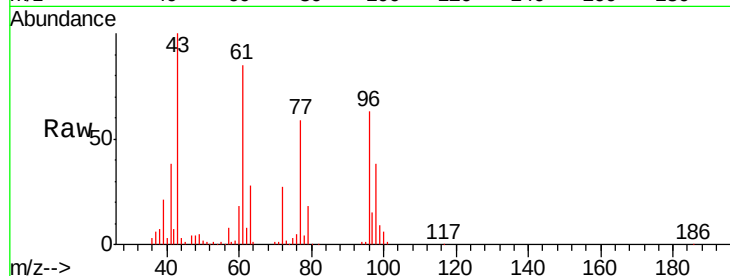
#25
2-Butanone
Concen: 84.277 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tgt Ion: 43 Resp: 363344
Ion Ratio Lower Upper
43 100
72 27.0 20.1 30.1

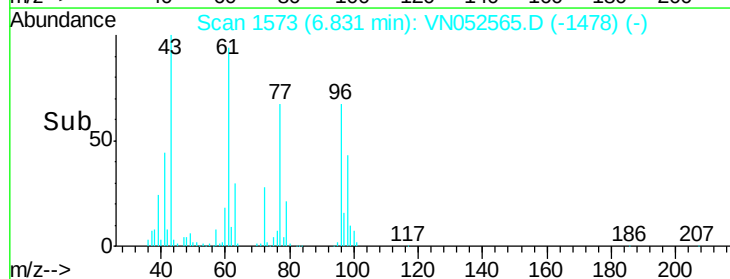
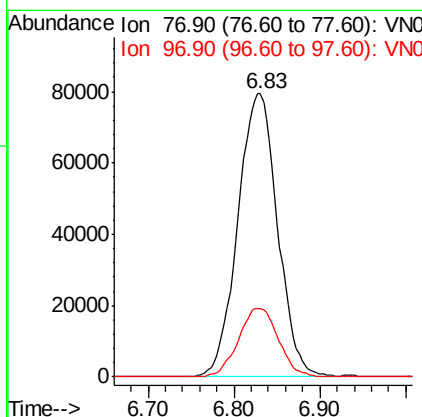
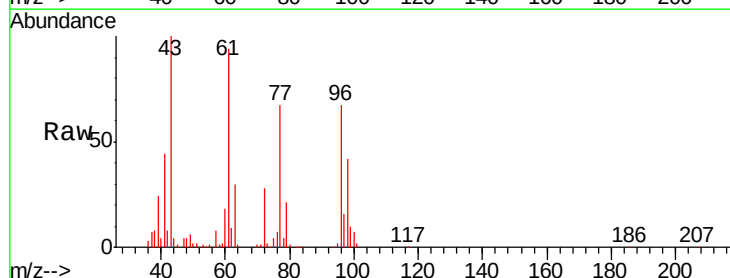
Manual Integrations
APPROVED

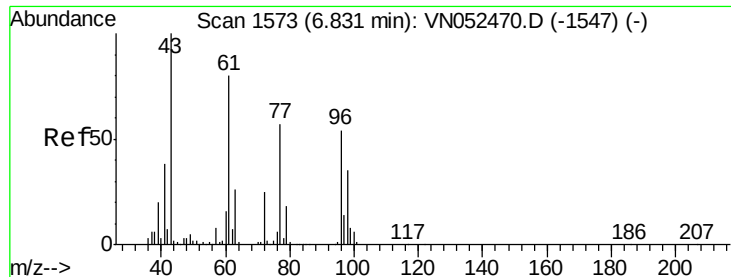
MMDadoda
11/30/2018 11:11:39 AM



#26
2,2-Dichloropropane
Concen: 17.964 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Tgt Ion: 77 Resp: 255000
Ion Ratio Lower Upper
77 100
97 24.3 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.050 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Instrument :

MSVOA_N

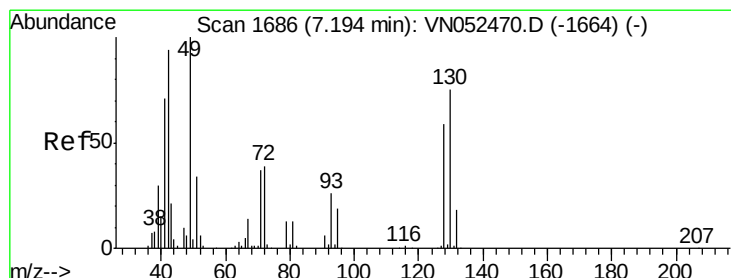
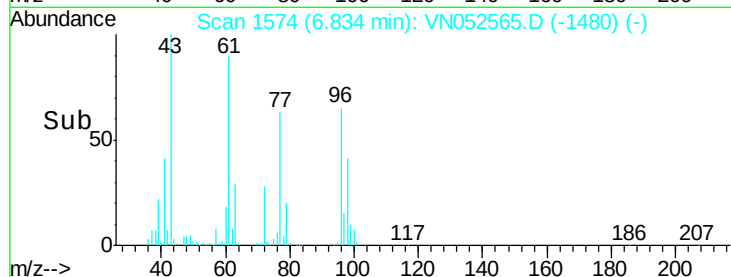
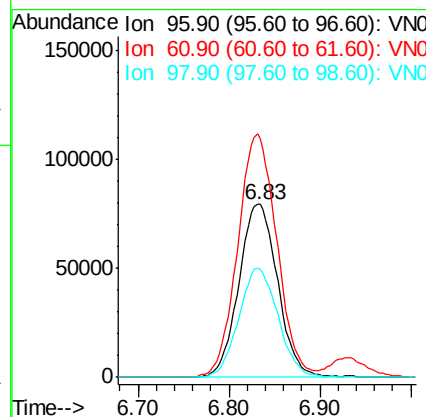
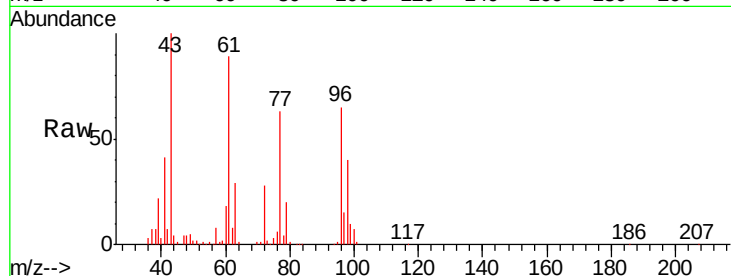
ClientSampled :

VN1129WBS01

Tgt Ion:	96	Resp:	235138
Ion Ratio	Lower	Upper	
96	100		
61	141.0	0.0	291.0
98	63.7	0.0	130.0

Manual Integrations
APPROVED

MMDadoda
11/30/2018 11:11:39 AM



#28

Bromochloromethane

Concen: 18.210 ug/l

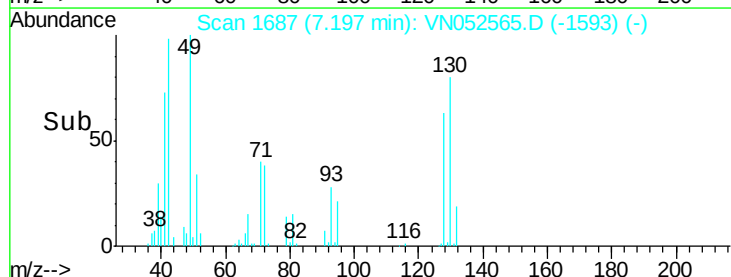
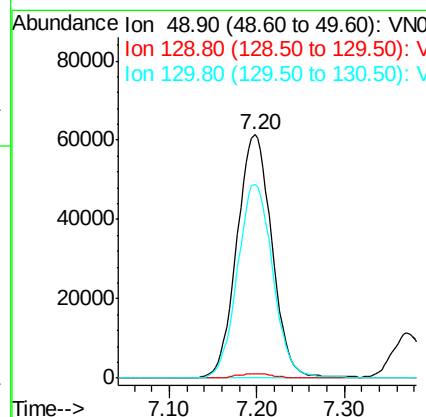
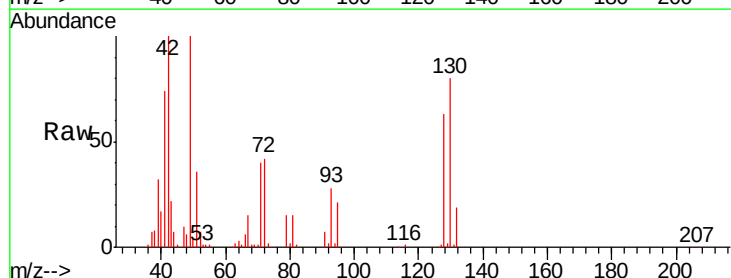
RT: 7.20 min Scan# 1687

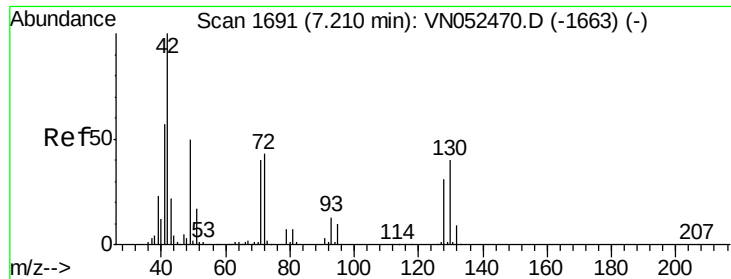
Delta R.T. 0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Tgt Ion:	49	Resp:	170569
Ion Ratio	Lower	Upper	
49	100		
129	1.1	0.0	3.8
130	80.1	60.2	90.2





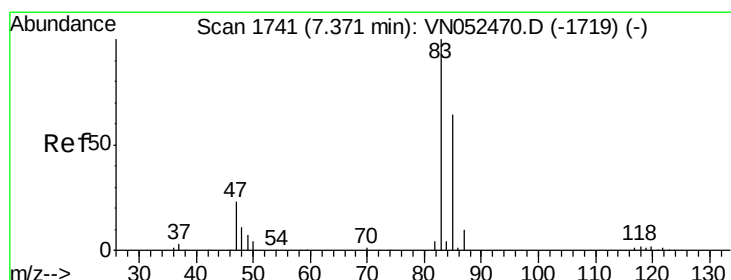
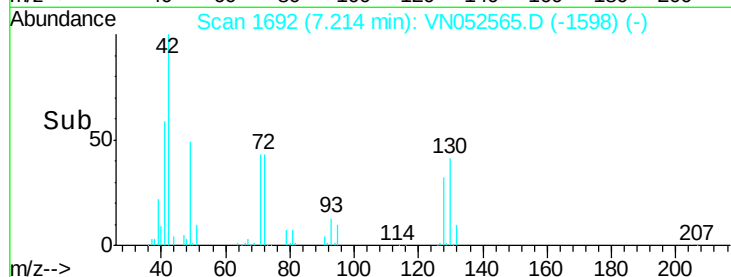
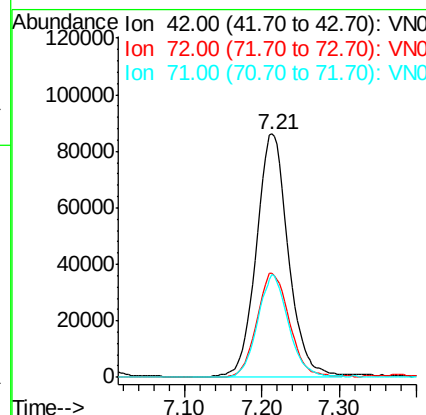
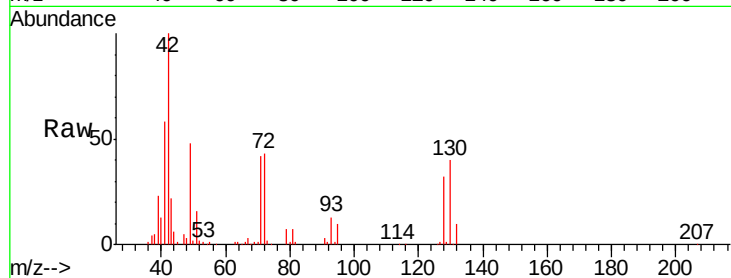
#29
Tetrahydrofuran
Concen: 90.108 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.3	33.3	49.9
71	40.5	32.0	48.0

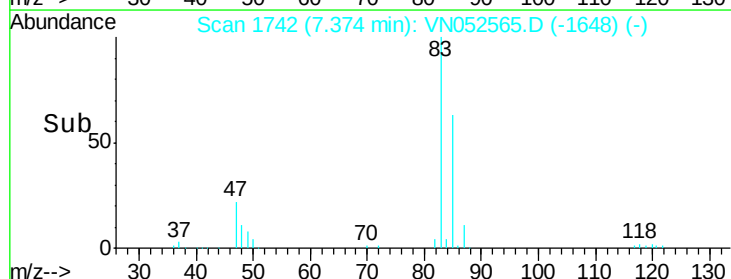
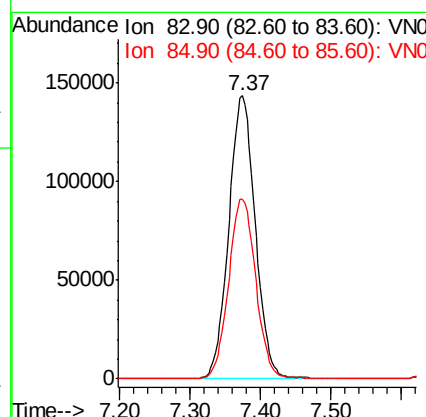
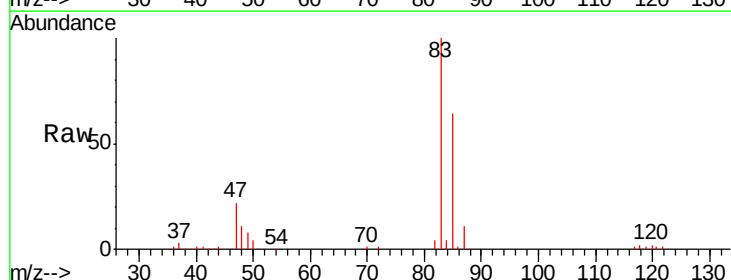
Manual Integrations
APPROVED

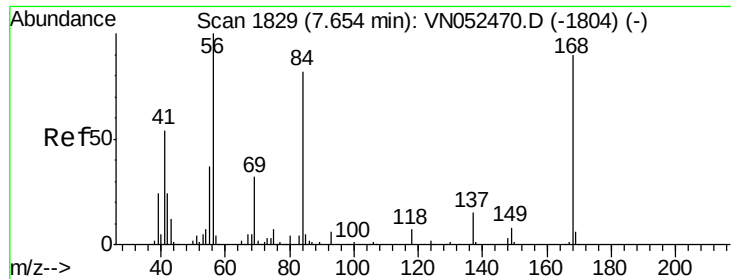
MMDadoda
11/30/2018 11:11:39 AM



#30
Chloroform
Concen: 18.472 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.0	76.4





#31

Cyclohexane

Concen: 18.074 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS01

Tgt Ion: 56 Resp: 363395
Ion Ratio Lower Upper

56 100

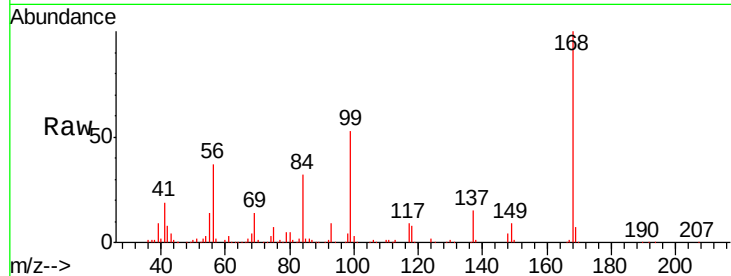
69 37.9 25.8 38.6

84 86.2 65.3 97.9

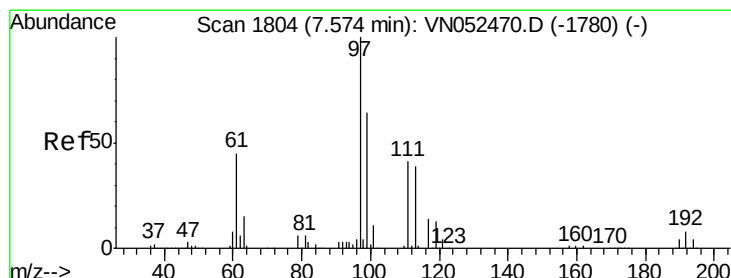
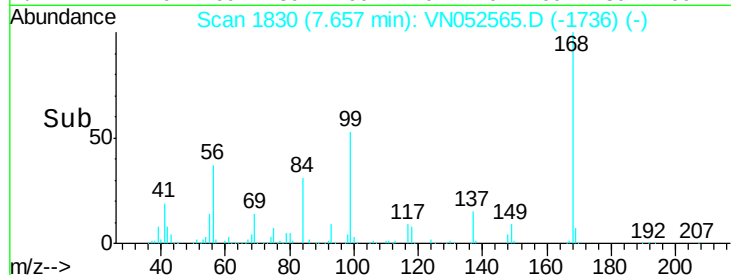
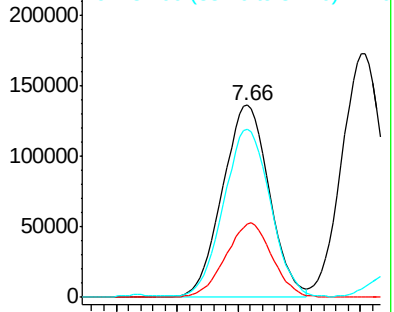
Manual Integrations
APPROVED

MMDadoda

11/30/2018 11:11:39 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.245 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN052565.D

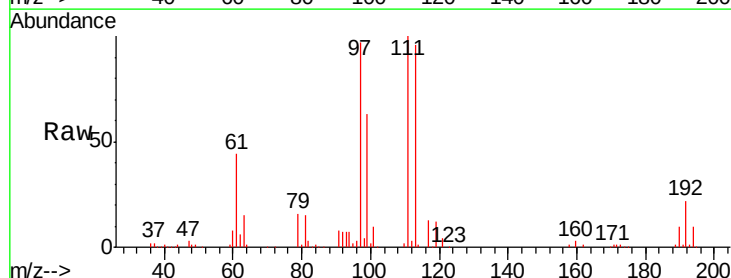
Acq: 29 Nov 2018 15:18

Tgt Ion: 97 Resp: 311986
Ion Ratio Lower Upper

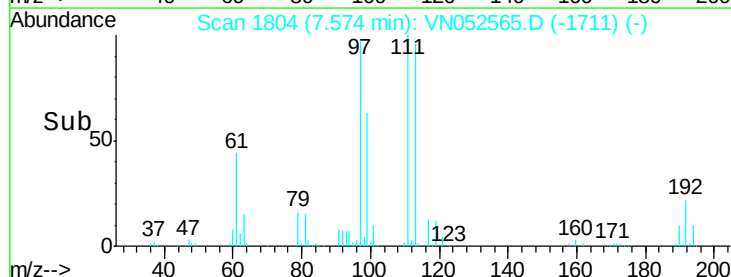
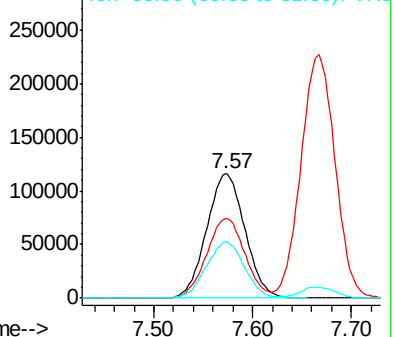
97 100

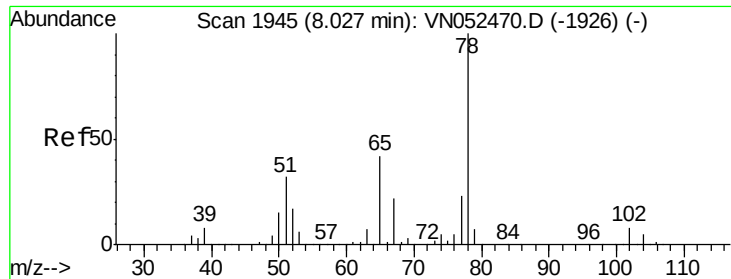
99 64.2 51.7 77.5

61 45.3 36.8 55.2



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





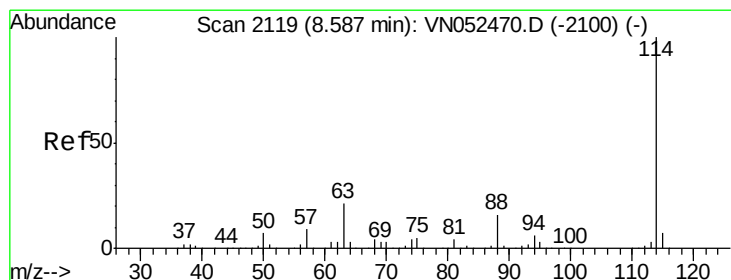
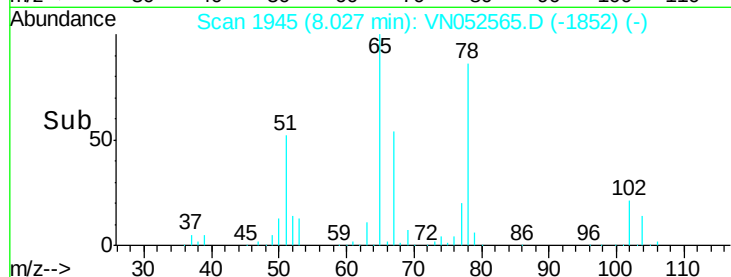
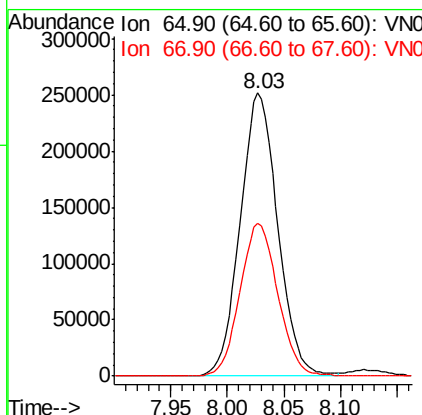
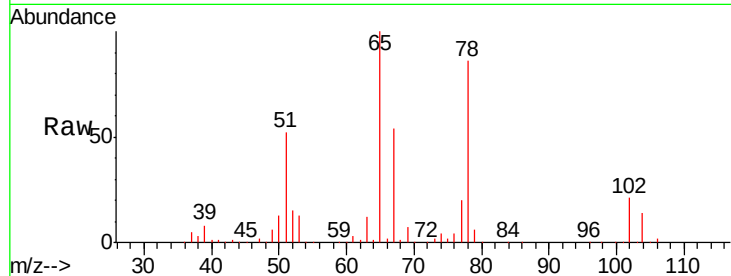
#33
 1,2-Dichloroethane-d4
 Concen: 19.245 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052565.D
 Acq: 29 Nov 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS01

Tgt Ion: 65 Resp: 581058
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.8

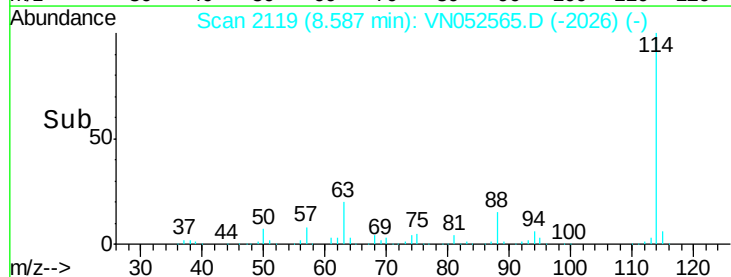
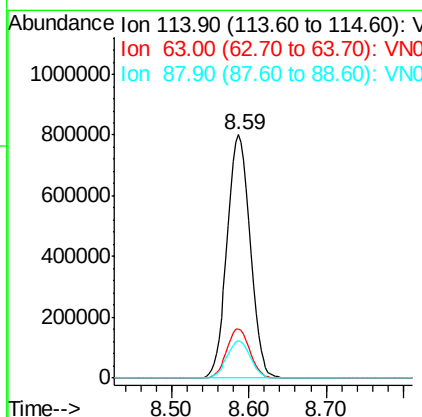
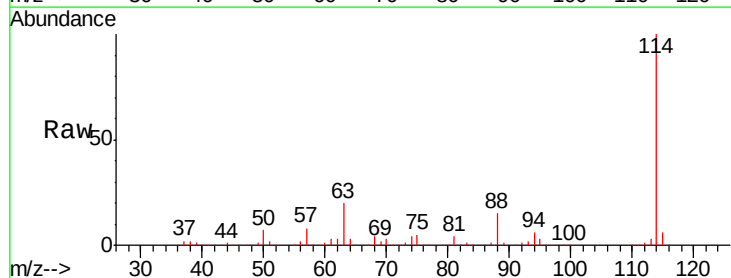
Manual Integrations
 APPROVED

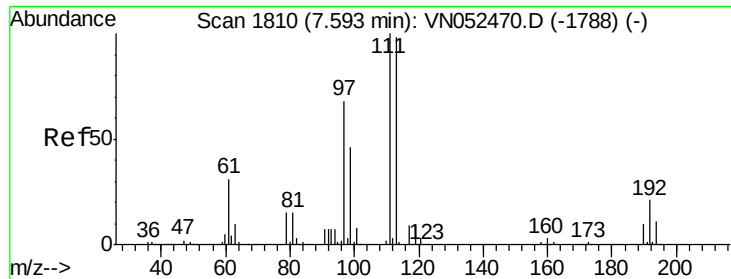
MMDadoda
 11/30/2018 11:11:39 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052565.D
 Acq: 29 Nov 2018 15:18

Tgt Ion: 114 Resp: 1650827
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.8
 88 15.2 0.0 31.6





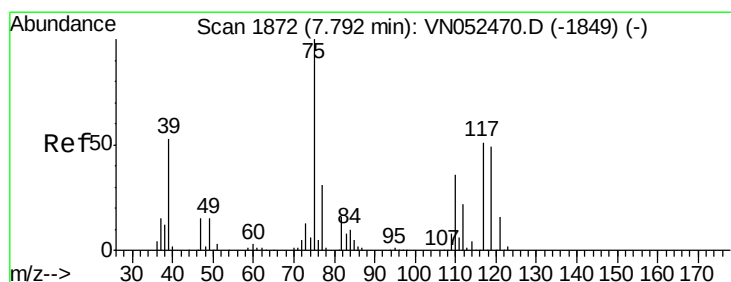
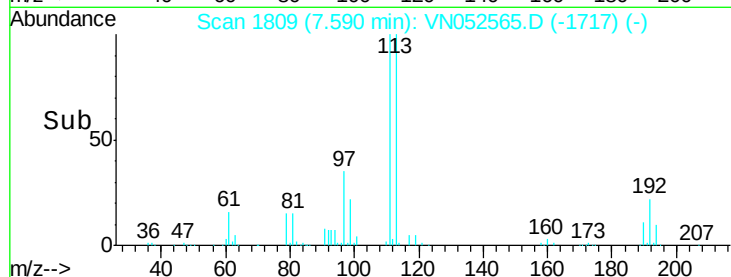
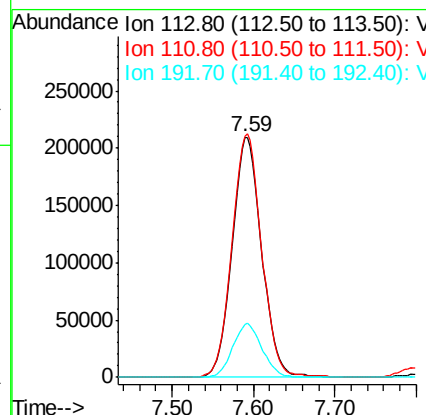
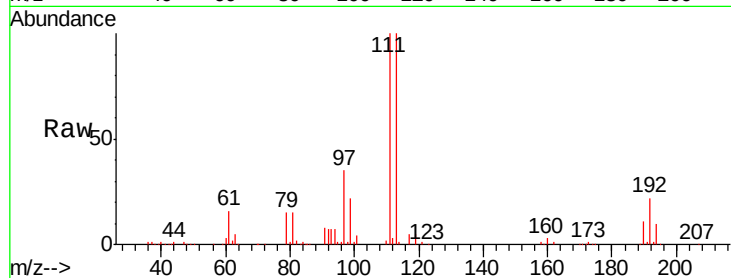
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	530163		
111	102.0	82.0	123.0	
192	22.3	17.0	25.6	

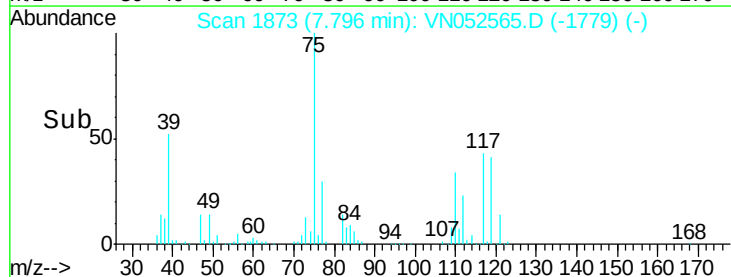
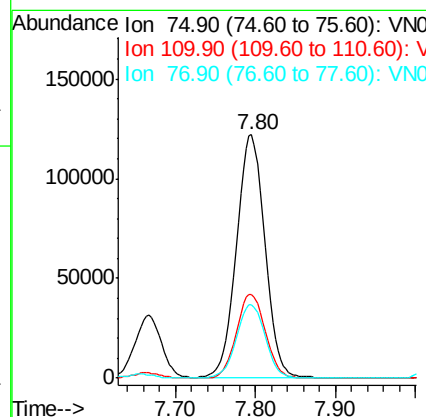
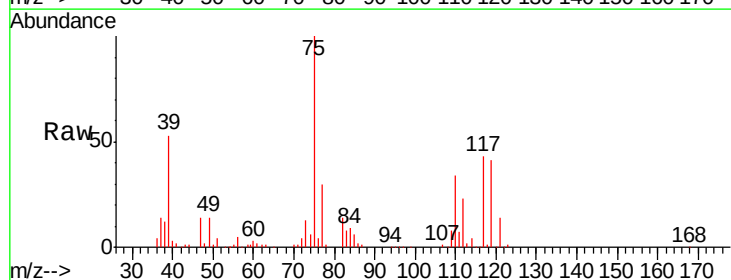
Manual Integrations
APPROVED

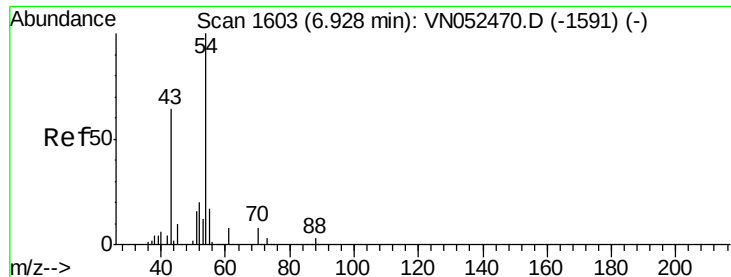
MMDadoda
11/30/2018 11:11:39 AM



#36
1,1-Dichloropropene
Concen: 18.856 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	293944		
110	34.8	17.5	52.6	
77	30.6	24.5	36.7	





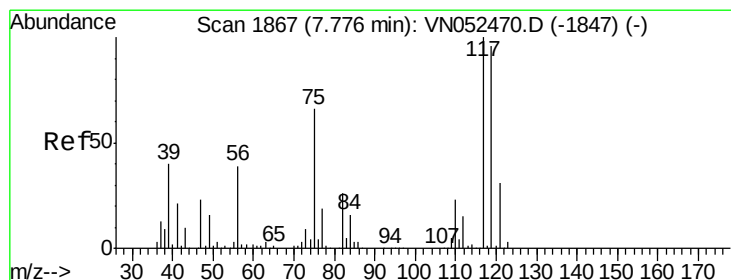
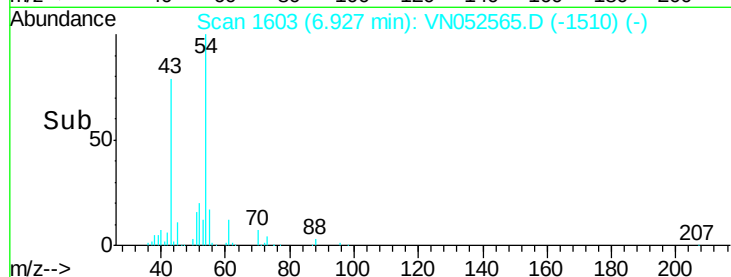
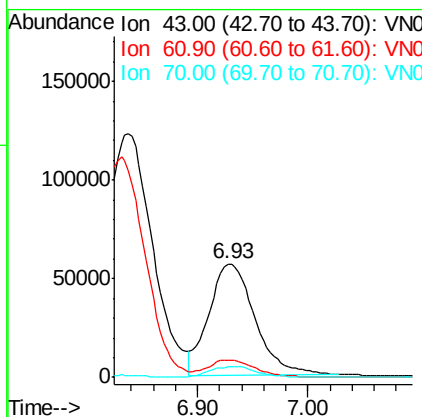
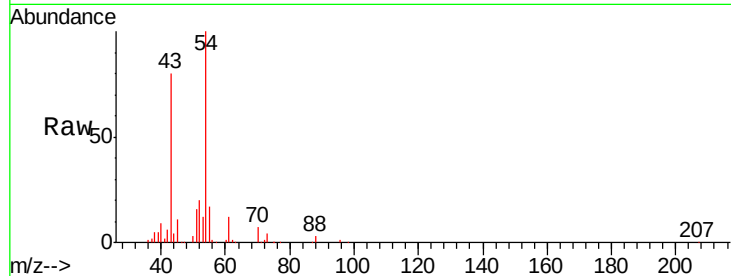
#37
Ethyl Acetate
Concen: 17.140 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.8	17.8
70	9.5	7.8	11.8

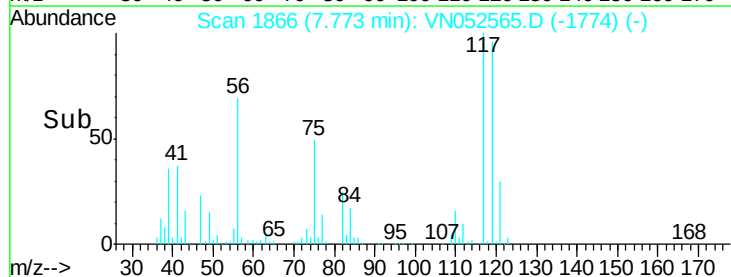
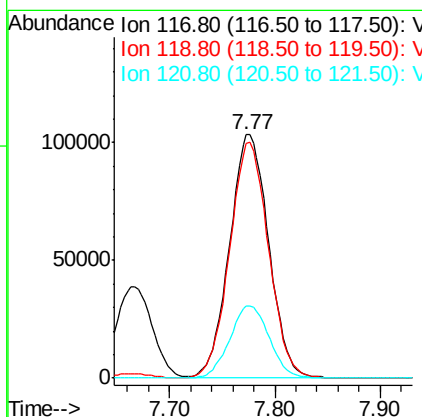
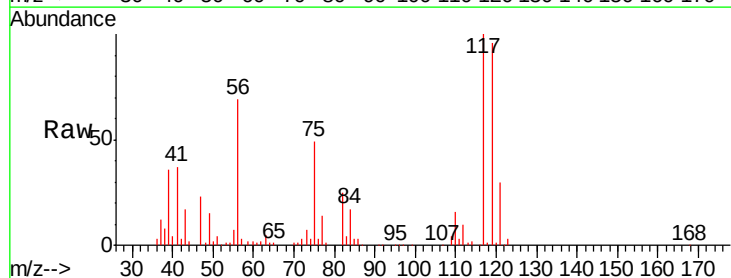
Manual Integrations
APPROVED

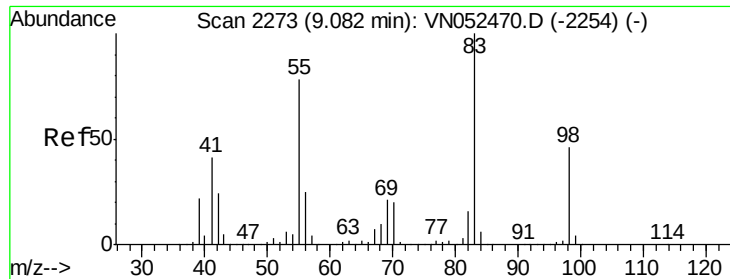
MMDadoda
11/30/2018 11:11:39 AM



#38
Carbon Tetrachloride
Concen: 18.736 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.8	115.2
121	29.7	24.9	37.3





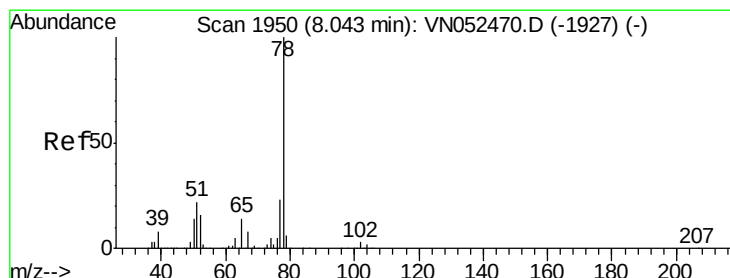
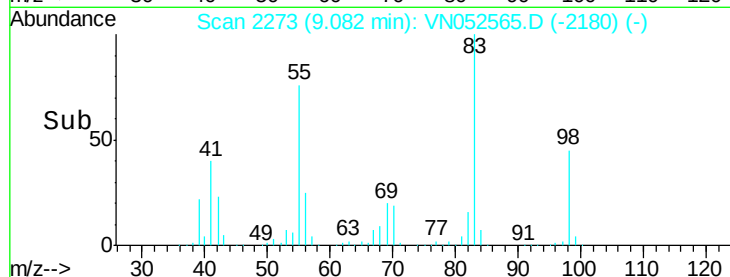
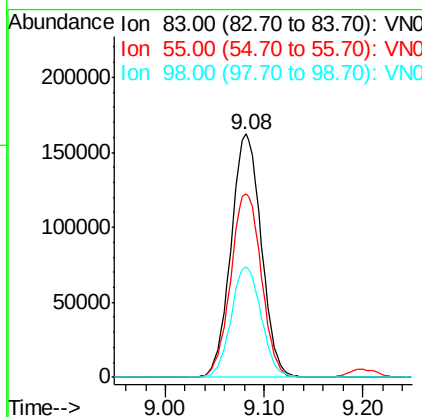
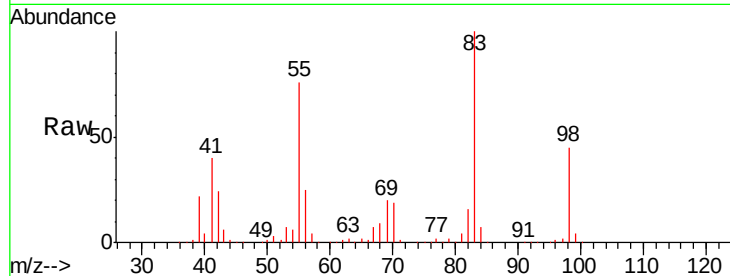
#39
Methylcyclohexane
Concen: 18.289 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	75.5	62.2	93.2
98	45.2	36.4	54.6

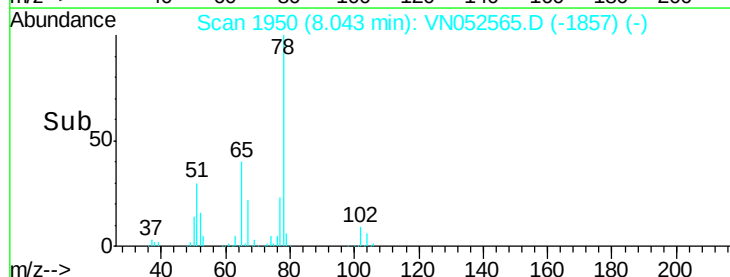
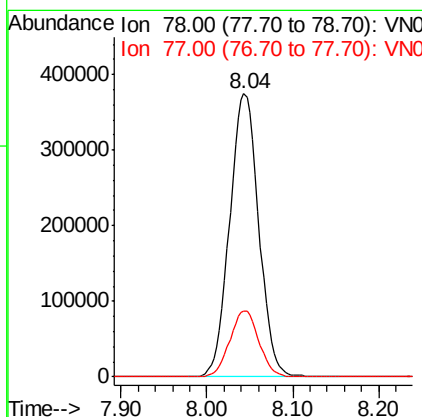
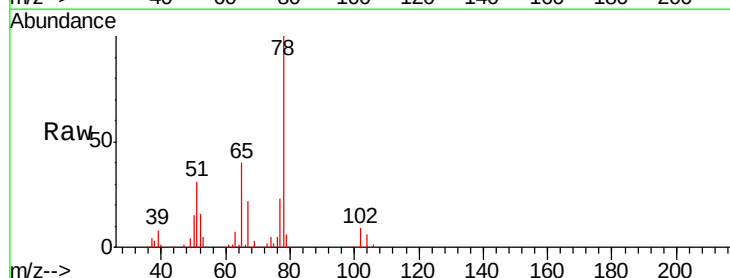
Manual Integrations
APPROVED

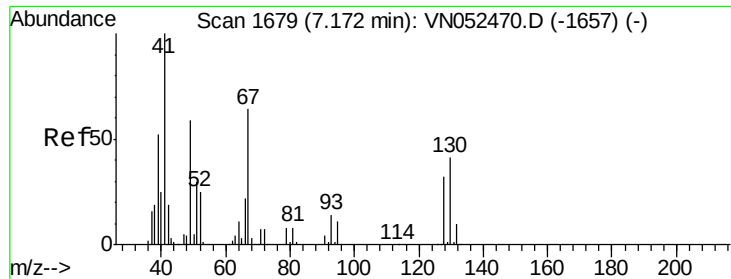
MMDadoda
11/30/2018 11:11:39 AM



#40
Benzene
Concen: 18.946 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	23.5	18.8	28.2





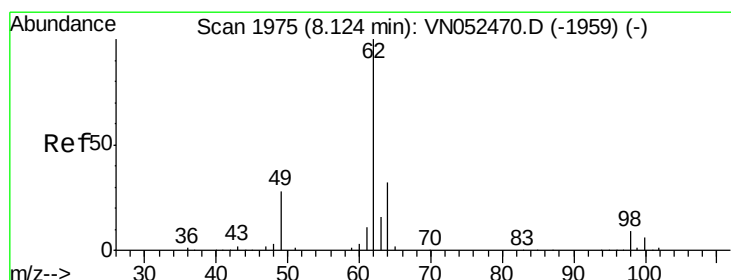
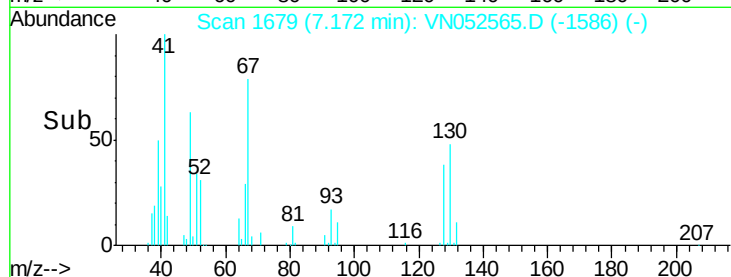
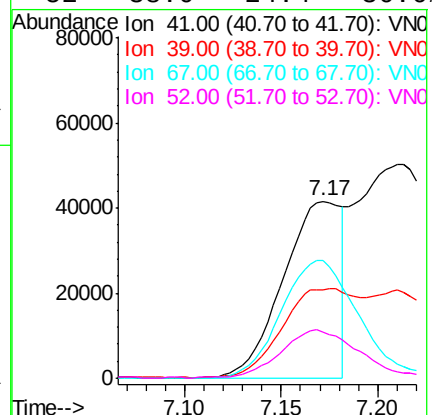
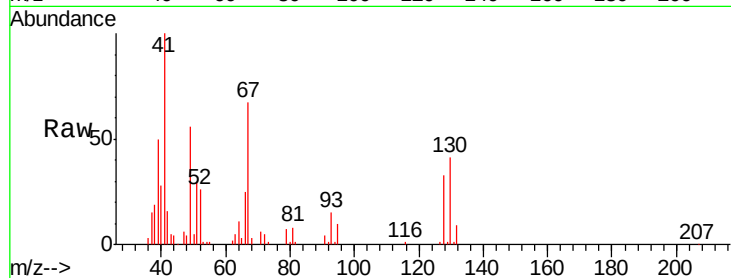
#41
Methacrylonitrile
Concen: 16.737 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.8	50.9	76.3
67	89.2	63.6	95.4
52	38.0	24.4	36.6

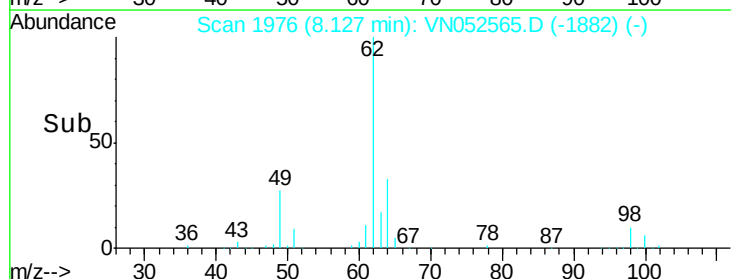
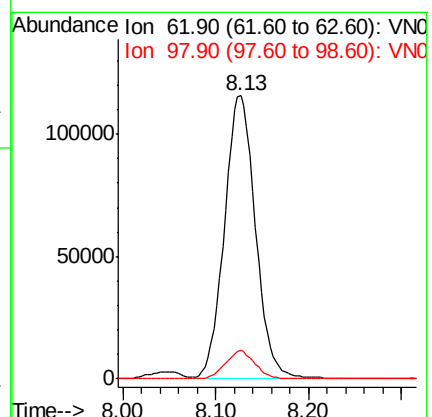
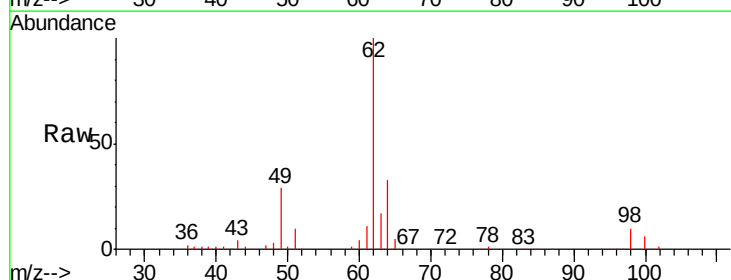
Manual Integrations
APPROVED

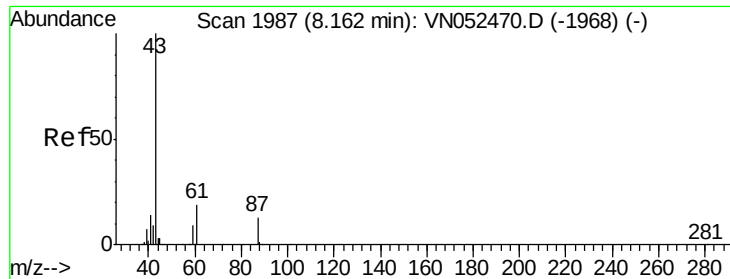
MMDadoda
11/30/2018 11:11:39 AM



#42
1,2-Dichloroethane
Concen: 19.044 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.6





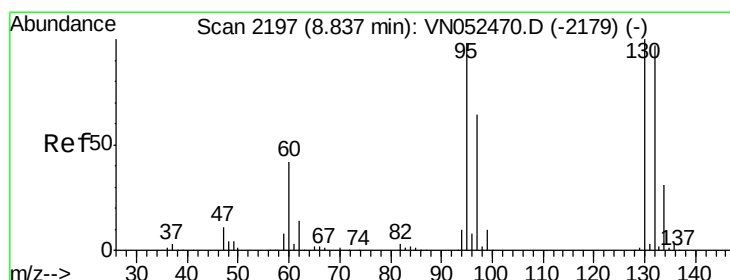
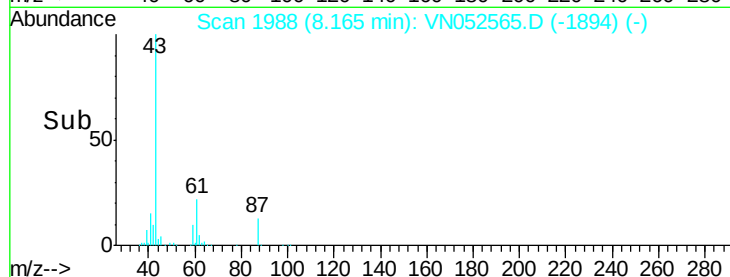
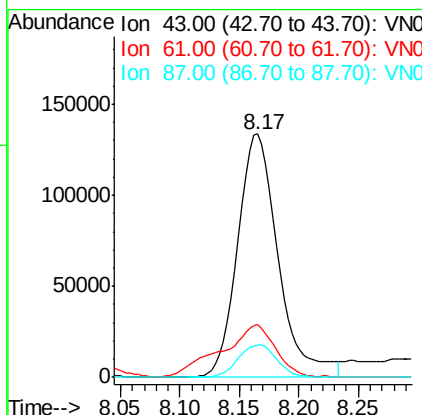
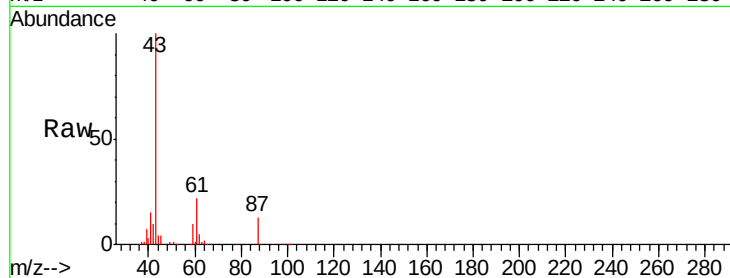
#43
Isopropyl Acetate
Concen: 19.534 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	28.4	24.1	36.1
87	12.9	10.6	15.8

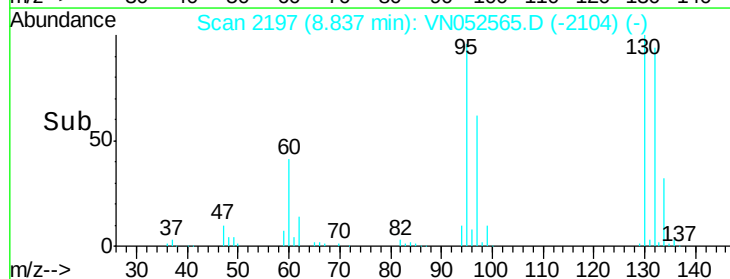
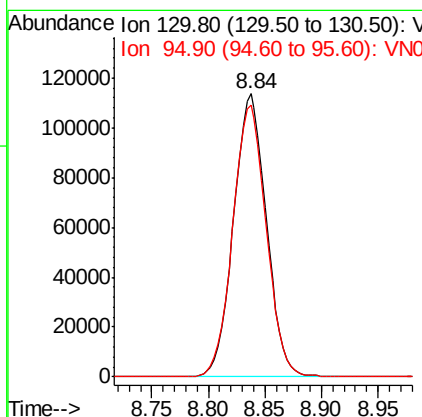
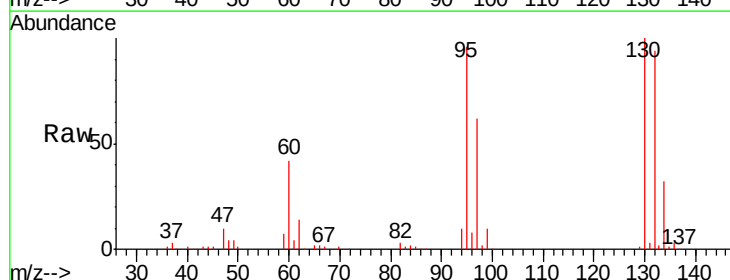
Manual Integrations
APPROVED

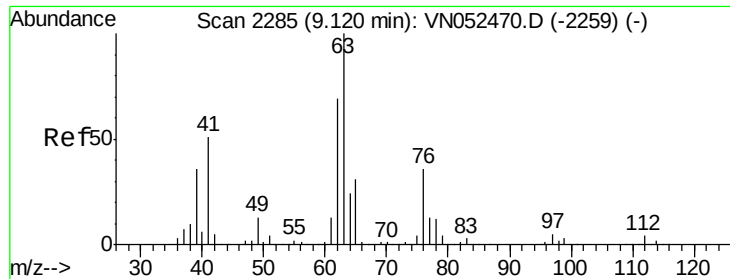
MMDadoda
11/30/2018 11:11:39 AM



#44
Trichloroethene
Concen: 19.306 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	195.6





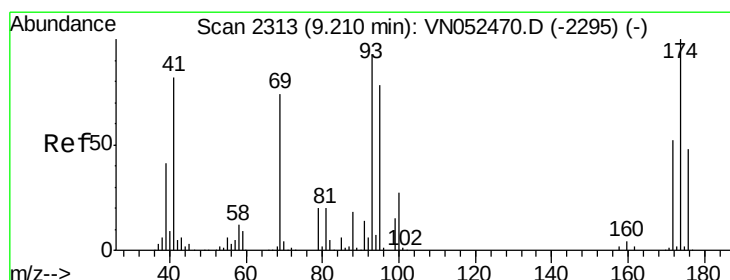
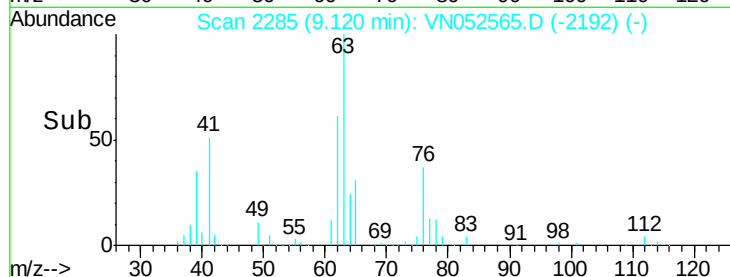
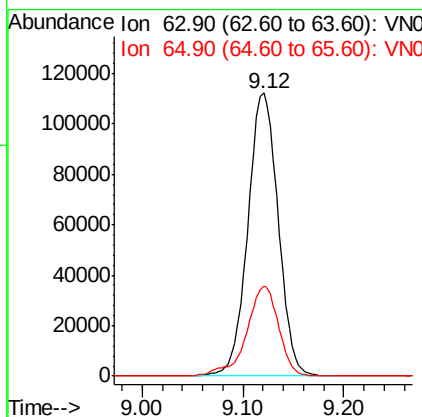
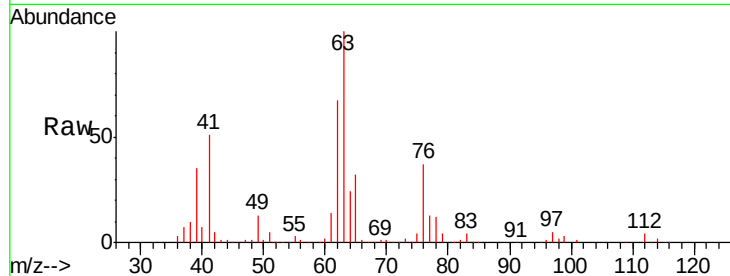
#45
 1,2-Dichloropropane
 Concen: 18.903 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052565.D
 Acq: 29 Nov 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS01

Tgt Ion: 63 Resp: 233484
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.0 37.6

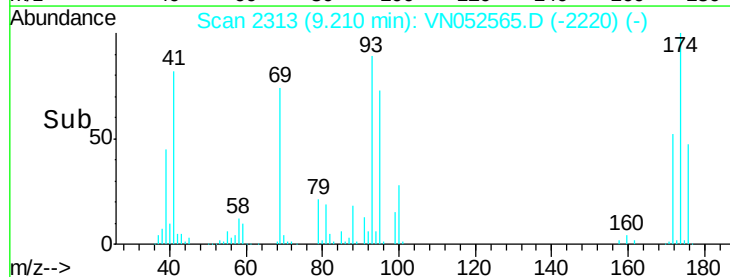
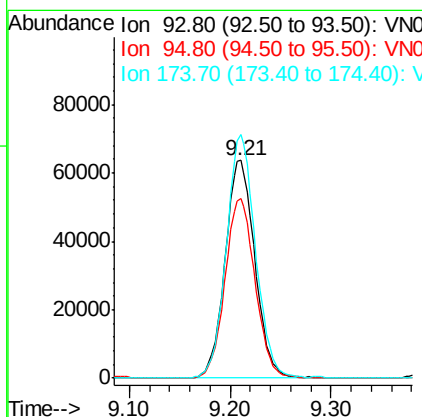
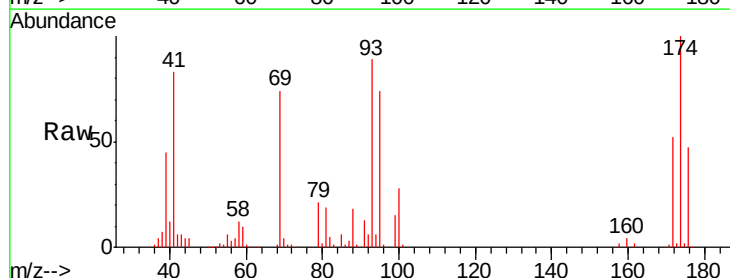
Manual Integrations
 APPROVED

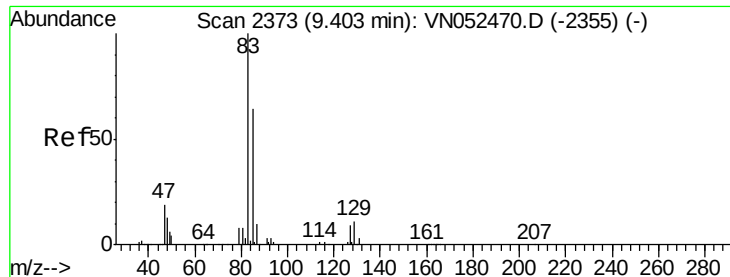
MMDadoda
 11/30/2018 11:11:39 AM



#46
 Dibromomethane
 Concen: 19.163 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052565.D
 Acq: 29 Nov 2018 15:18

Tgt Ion: 93 Resp: 131033
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.1 100.7
 174 109.3 85.8 128.8





#47

Bromodichloromethane

Concen: 18.553 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Instrument :

MSVOA_N

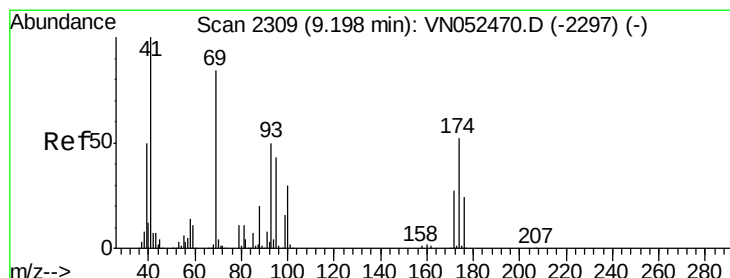
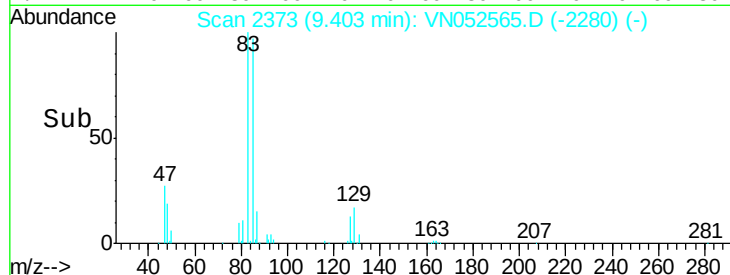
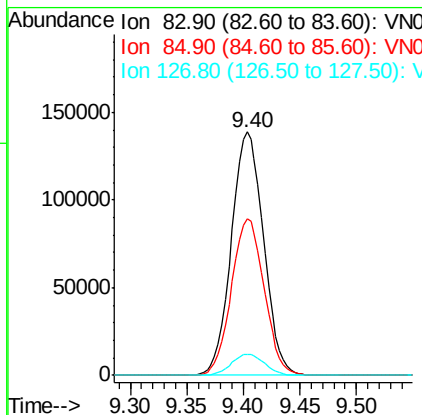
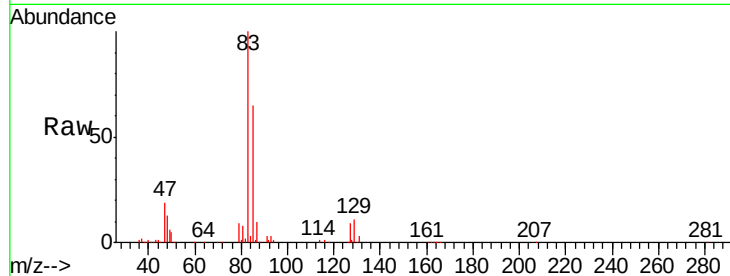
ClientSampleId :

VN1129WBS01

Tgt Ion:	83	Resp:	275817
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.3	76.9
127	8.8	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
11/30/2018 11:11:39 AM



#48

Methyl methacrylate

Concen: 18.053 ug/l

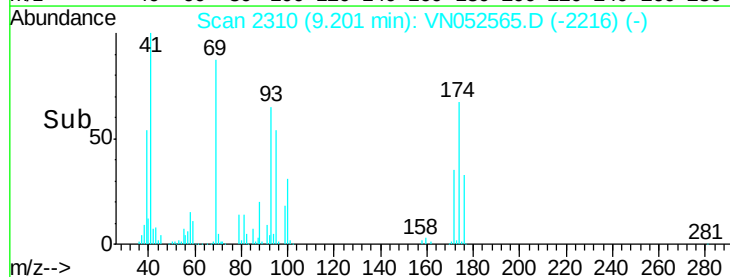
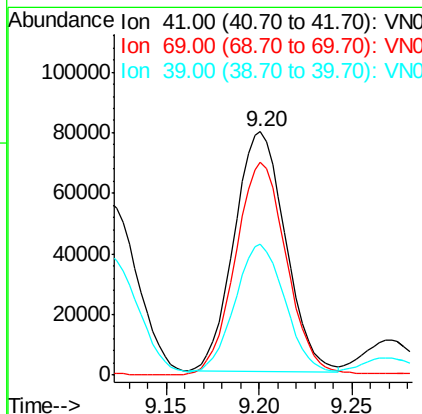
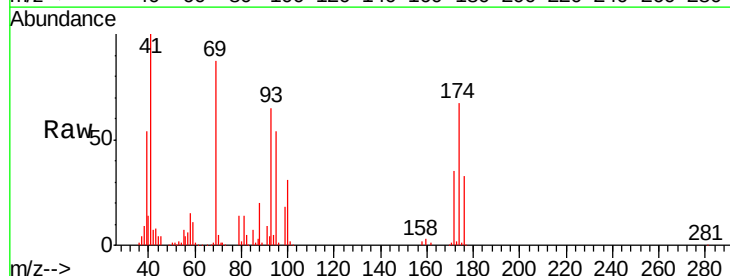
RT: 9.20 min Scan# 2310

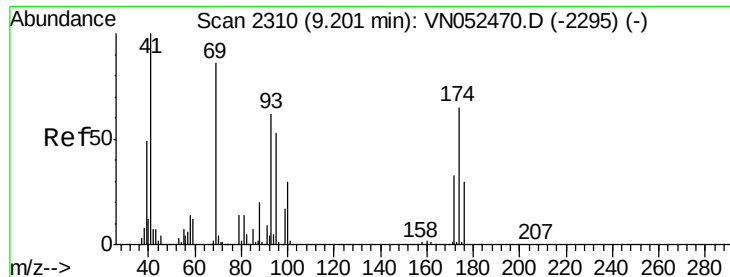
Delta R.T. 0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Tgt Ion:	41	Resp:	151561
Ion Ratio	Lower	Upper	
41	100		
69	89.0	70.0	105.0
39	52.0	42.6	64.0





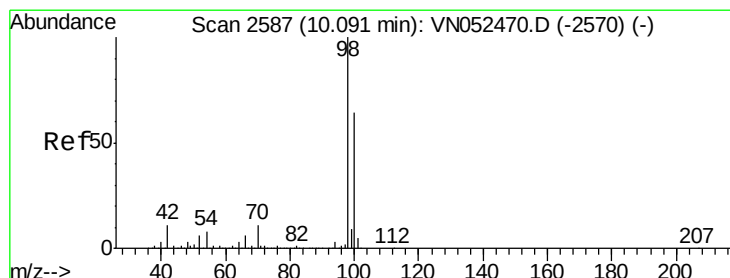
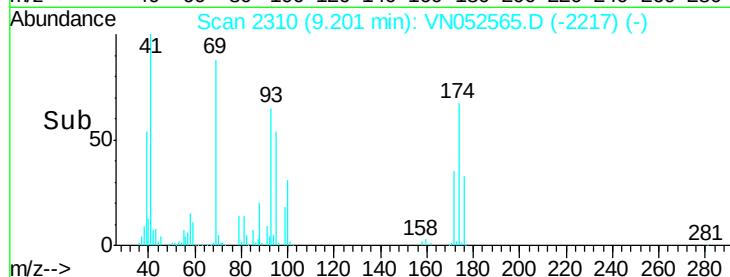
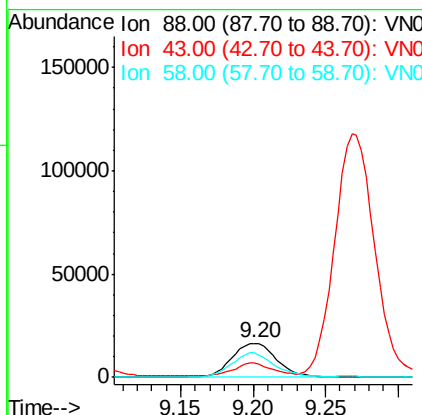
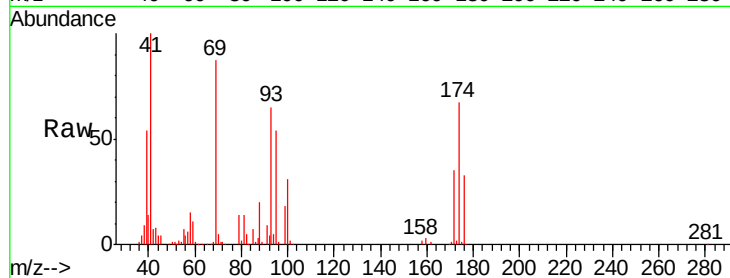
#49
1,4-Dioxane
Concen: 404.896 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.7	26.4	39.6
58	70.3	55.4	83.0

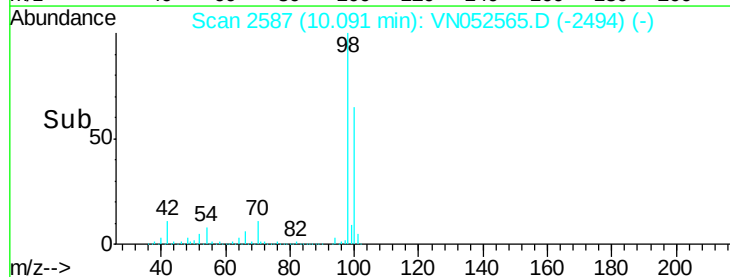
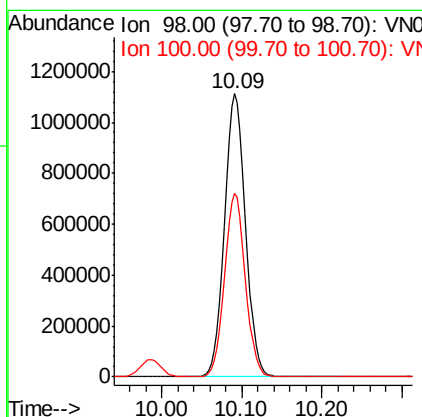
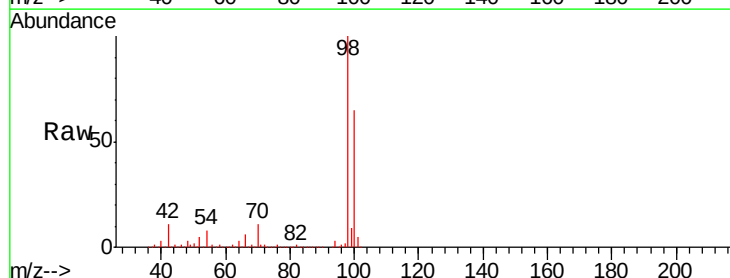
Manual Integrations
APPROVED

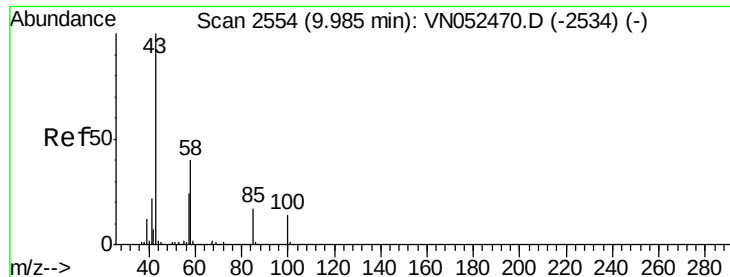
MMDadoda
11/30/2018 11:11:39 AM



#50
Toluene-d8
Concen: 404.896 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.3	76.9





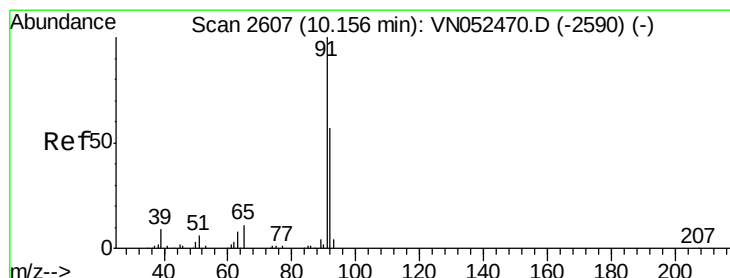
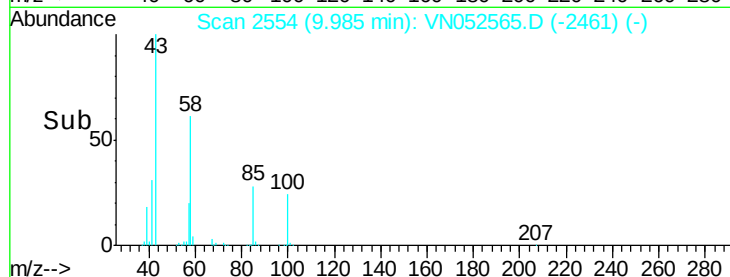
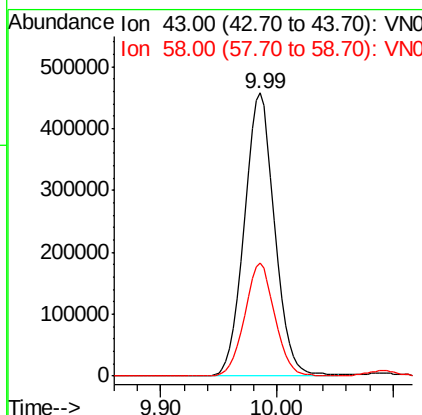
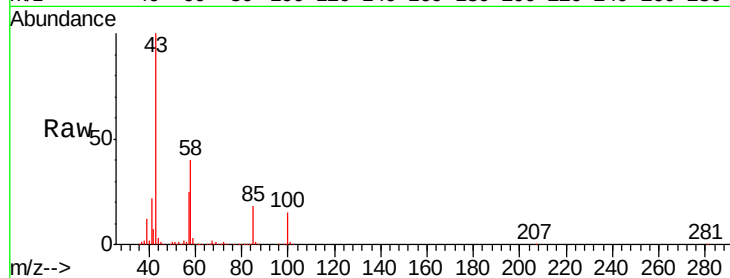
#51
 4-Methyl-2-Pentanone
 Concen: 92.085 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN052565.D
 Acq: 29 Nov 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS01

Tgt Ion: 43 Resp: 831854
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.5 47.3

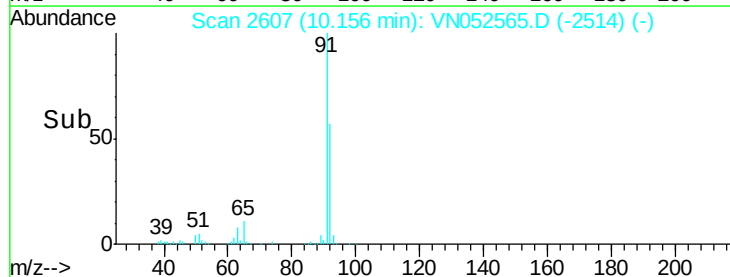
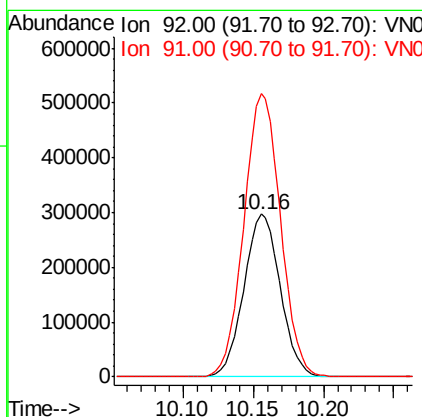
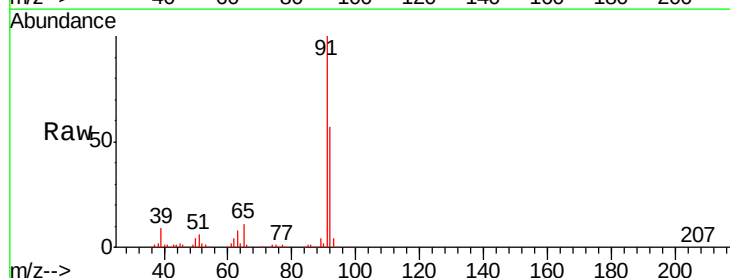
Manual Integrations
 APPROVED

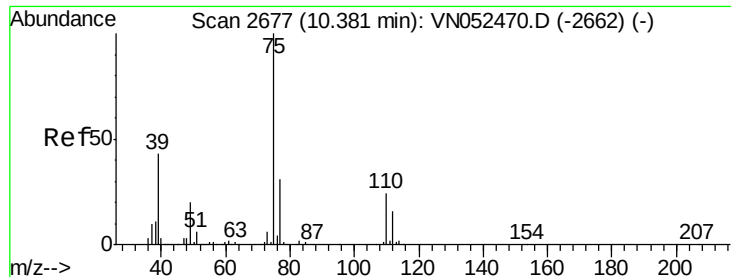
MMDadoda
 11/30/2018 11:11:39 AM



#52
 Toluene
 Concen: 19.442 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN052565.D
 Acq: 29 Nov 2018 15:18

Tgt Ion: 92 Resp: 536659
 Ion Ratio Lower Upper
 92 100
 91 175.7 141.0 211.4





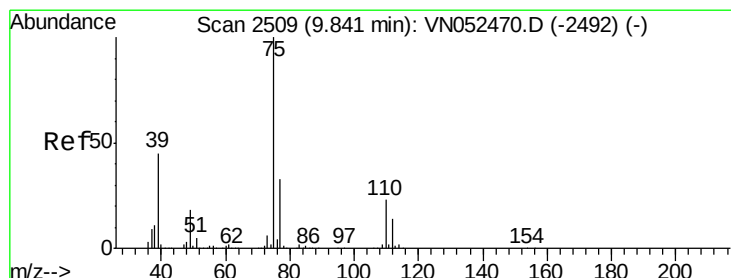
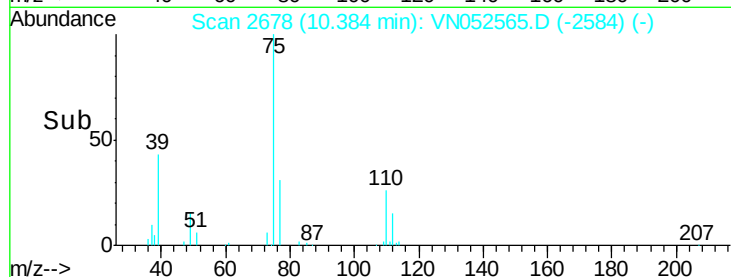
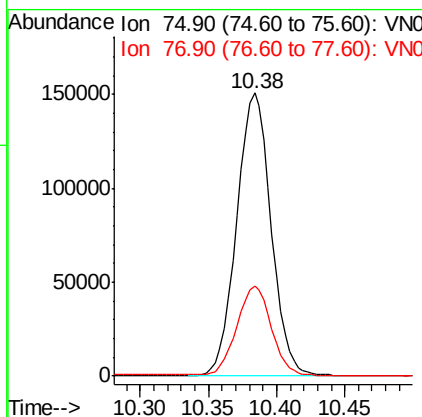
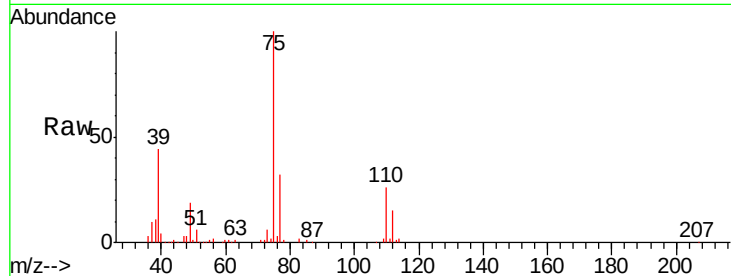
#53
t-1,3-Dichloropropene
Concen: 18.483 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tgt Ion: 75 Resp: 264337
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.4

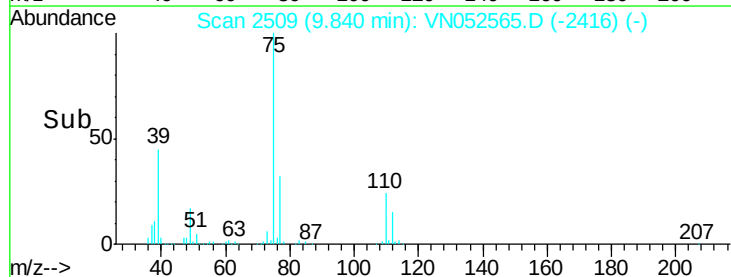
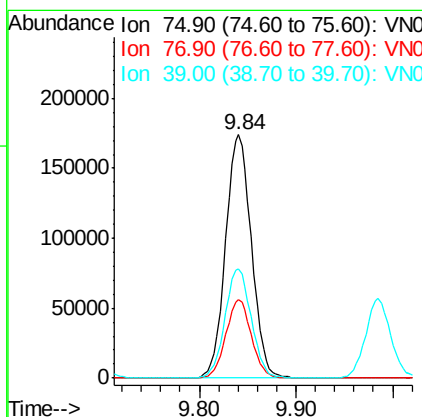
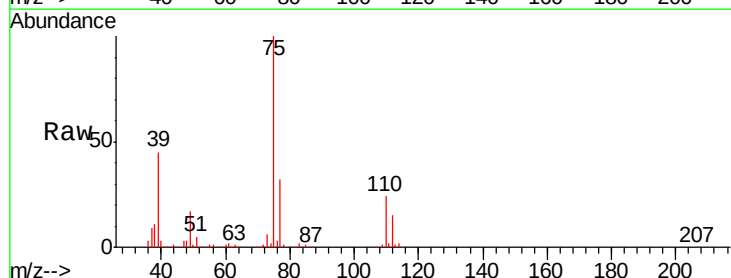
Manual Integrations
APPROVED

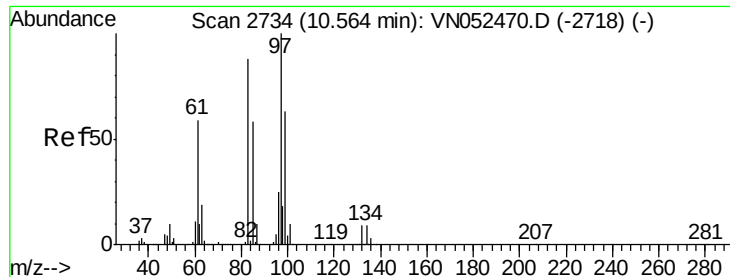
MMDadoda
11/30/2018 11:11:39 AM



#54
cis-1,3-Dichloropropene
Concen: 18.874 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Tgt Ion: 75 Resp: 323474
Ion Ratio Lower Upper
75 100
77 32.3 26.2 39.2
39 44.9 36.0 54.0





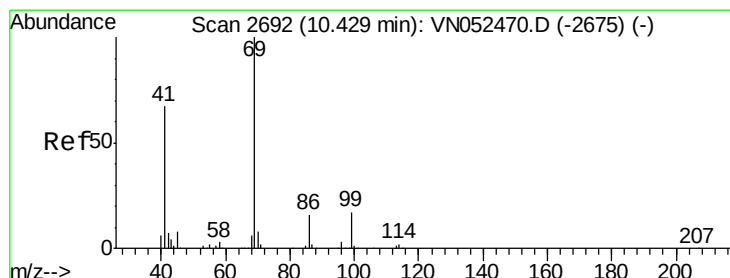
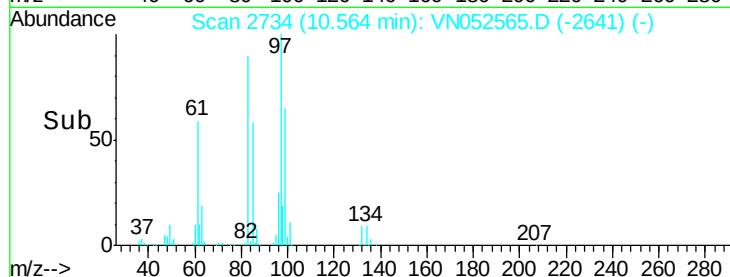
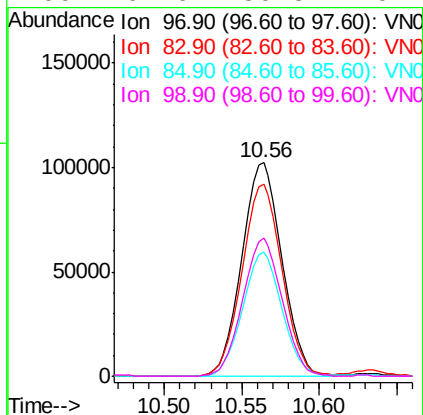
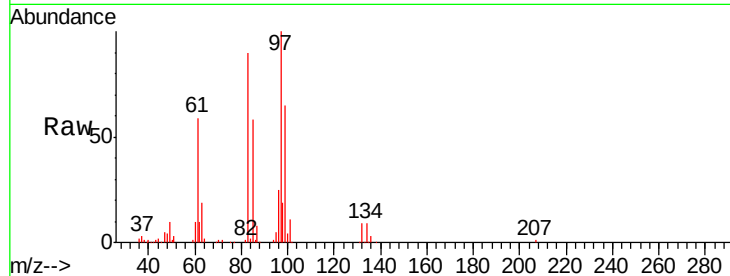
#55
 1,1,2-Trichloroethane
 Concen: 19.036 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052565.D
 Acq: 29 Nov 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.0	70.7	106.1
85	58.3	46.1	69.1
99	64.6	50.8	76.2

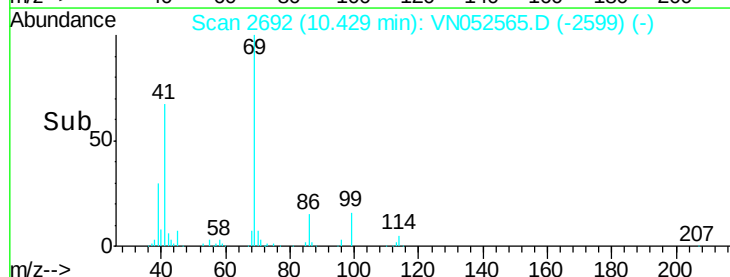
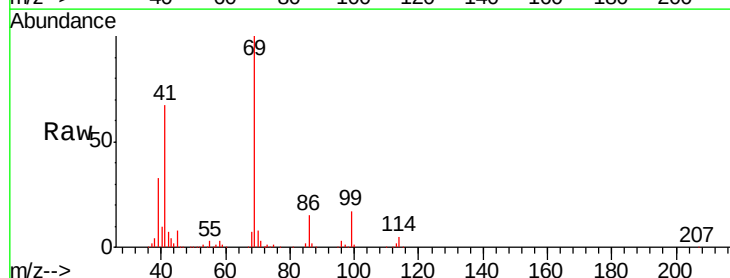
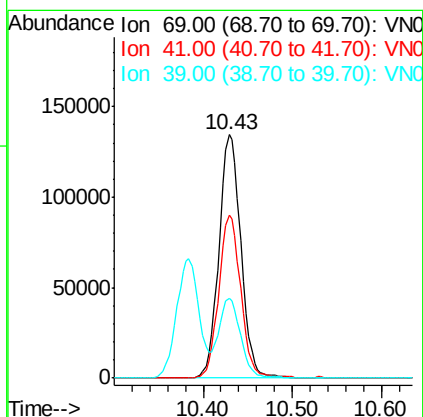
Manual Integrations
 APPROVED

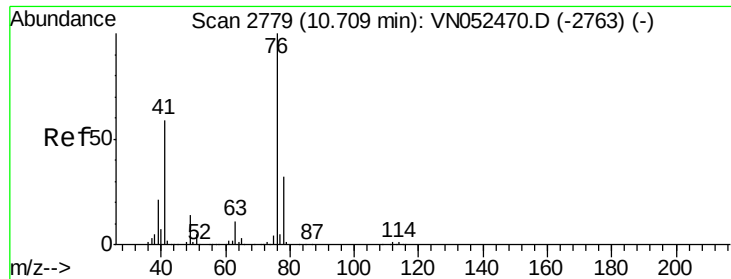
MMDadoda
 11/30/2018 11:11:39 AM



#56
 Ethyl methacrylate
 Concen: 18.781 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052565.D
 Acq: 29 Nov 2018 15:18

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.8	52.6	79.0
39	31.2	25.9	38.9





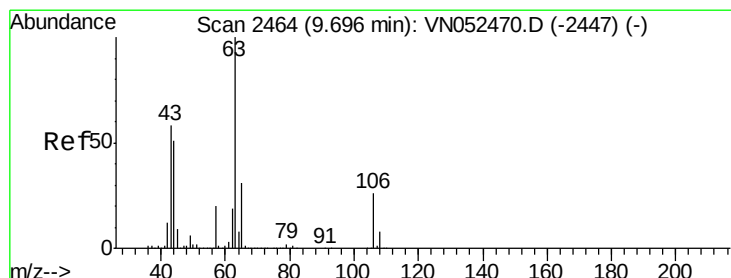
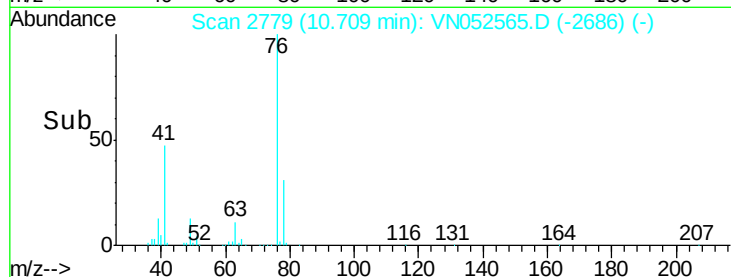
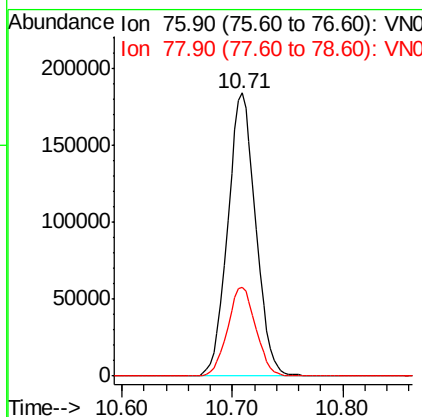
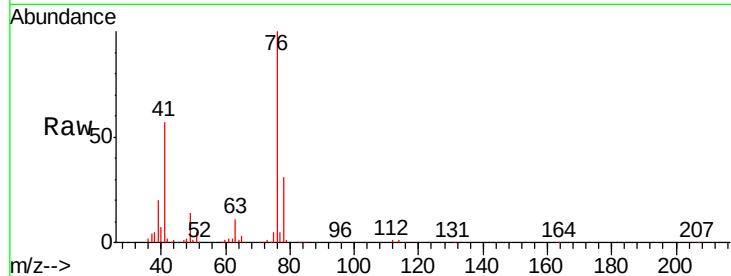
#57
 1,3-Dichloropropane
 Concen: 18.823 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN052565.D
 Acq: 29 Nov 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS01

Tgt Ion: 76 Resp: 322705
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.6 38.4

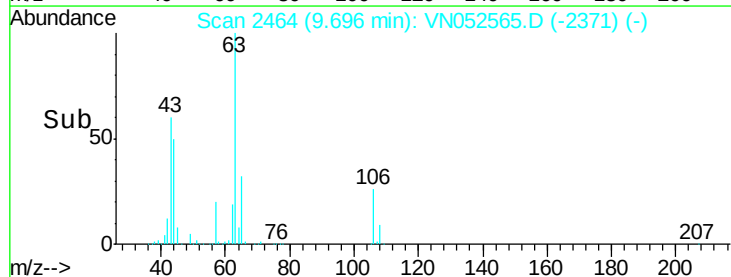
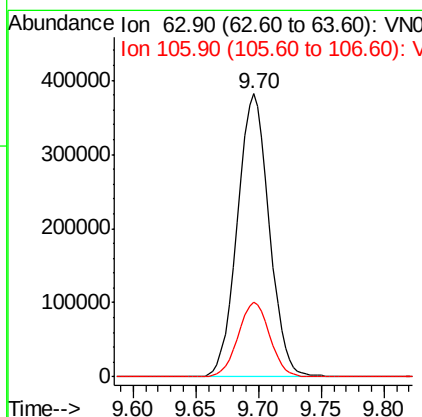
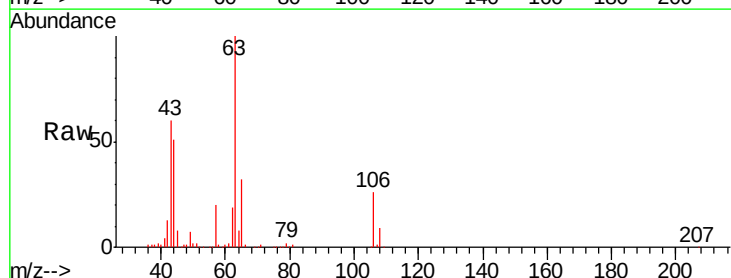
Manual Integrations
 APPROVED

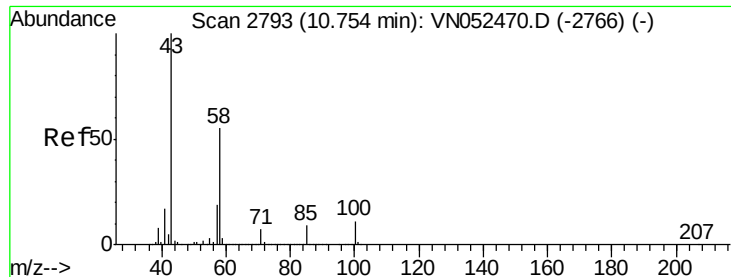
MMDadoda
 11/30/2018 11:11:39 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.673 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052565.D
 Acq: 29 Nov 2018 15:18

Tgt Ion: 63 Resp: 674065
 Ion Ratio Lower Upper
 63 100
 106 26.4 20.6 30.8





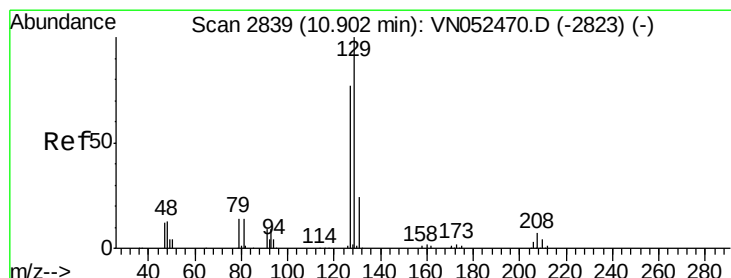
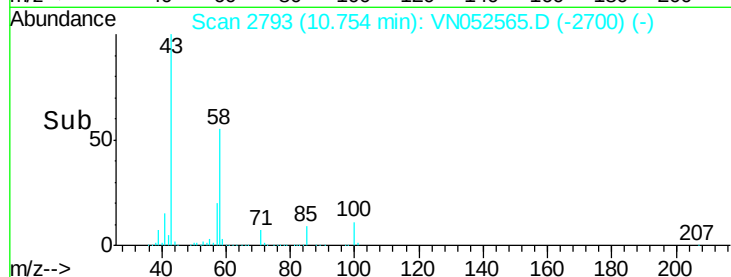
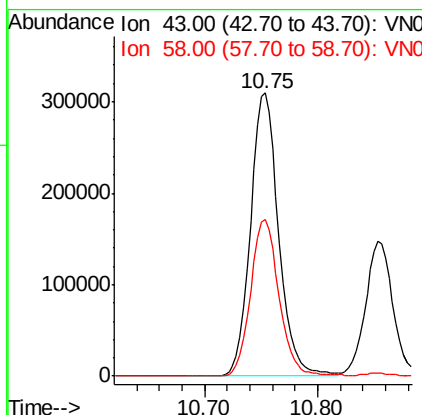
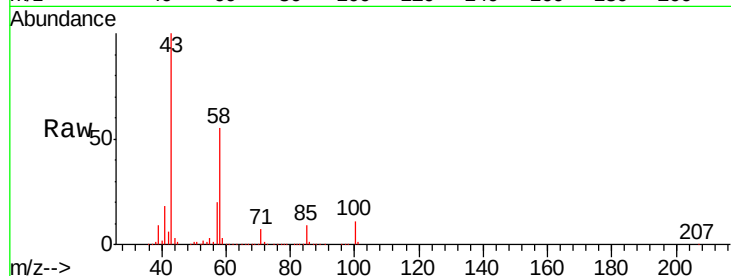
#59
2-Hexanone
Concen: 87.921 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tgt Ion: 43 Resp: 533053
Ion Ratio Lower Upper
43 100
58 56.3 27.4 82.0

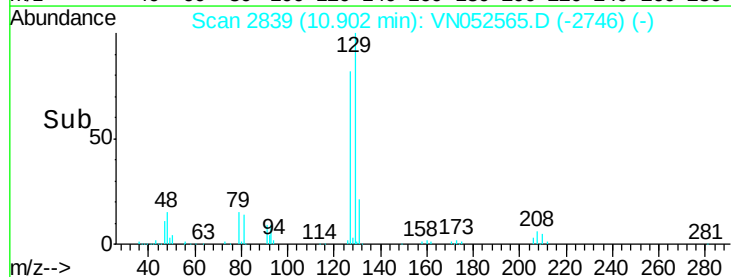
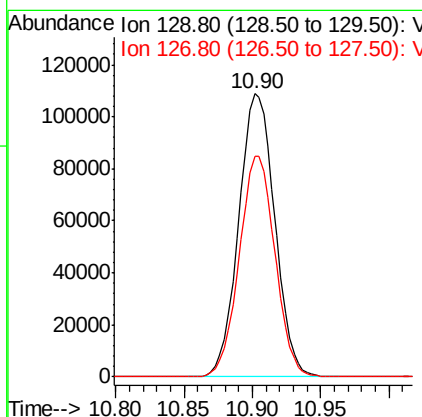
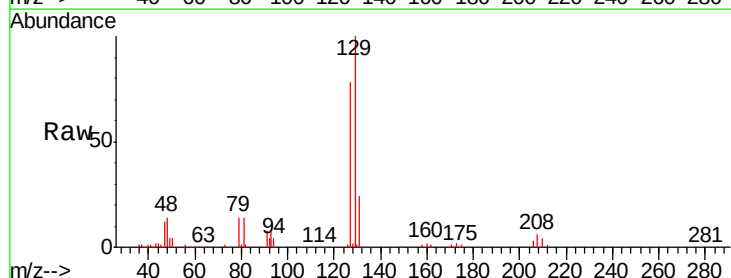
Manual Integrations
APPROVED

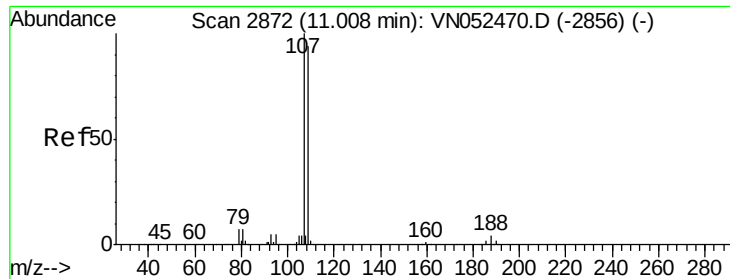
MMDadoda
11/30/2018 11:11:39 AM



#60
Dibromochloromethane
Concen: 18.969 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Tgt Ion: 129 Resp: 200034
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.6





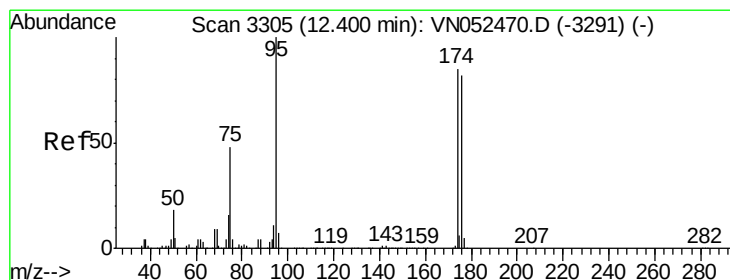
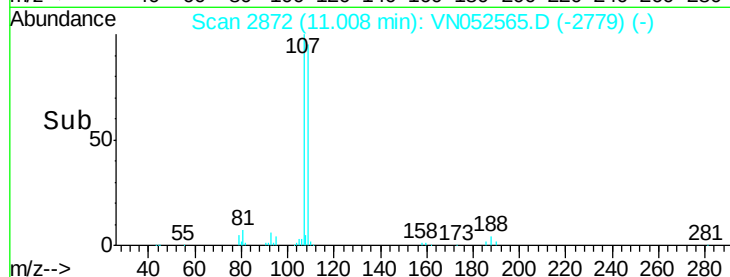
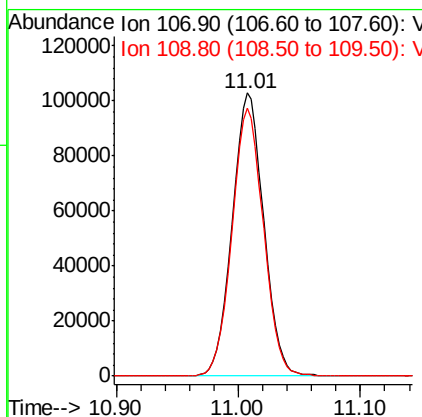
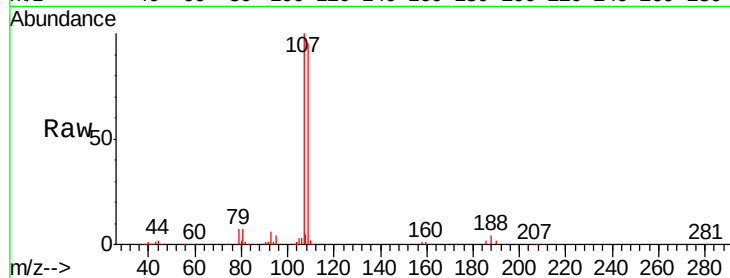
#61
1,2-Dibromoethane
Concen: 19.065 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tgt Ion: 107 Resp: 183854
Ion Ratio Lower Upper
107 100
109 94.8 75.6 113.4

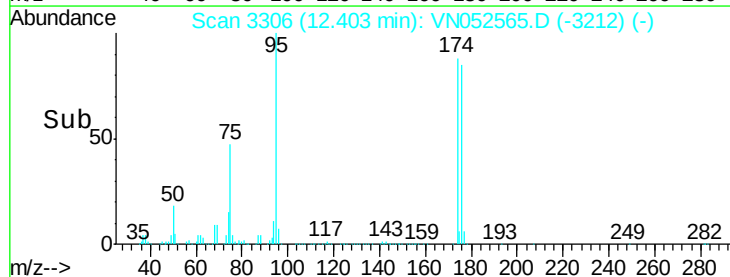
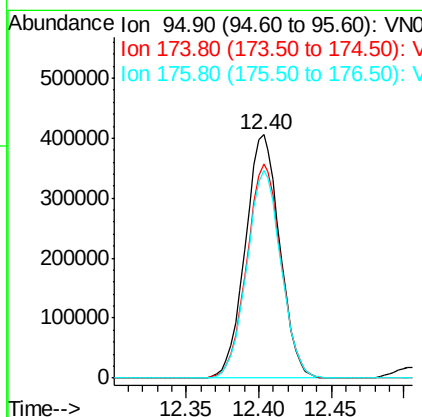
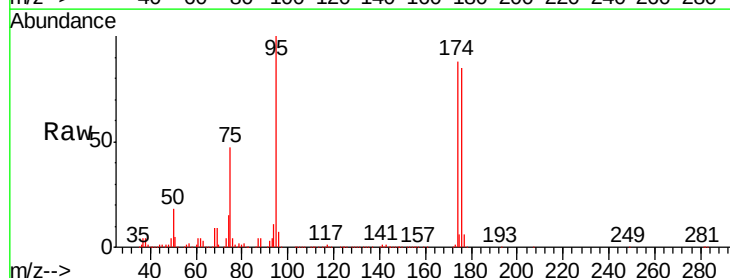
Manual Integrations
APPROVED

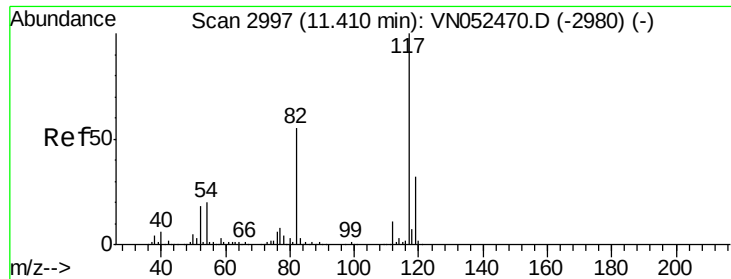
MMDadoda
11/30/2018 11:11:39 AM



#62
4-Bromofluorobenzene
Concen: 19.065 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Tgt Ion: 95 Resp: 671318
Ion Ratio Lower Upper
95 100
174 87.4 0.0 173.0
176 84.7 0.0 166.2





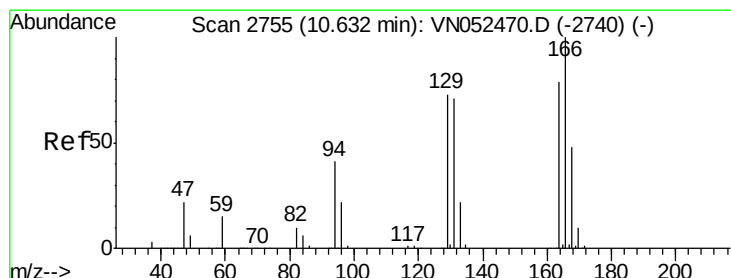
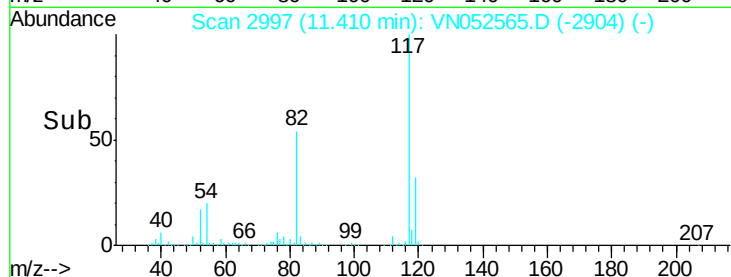
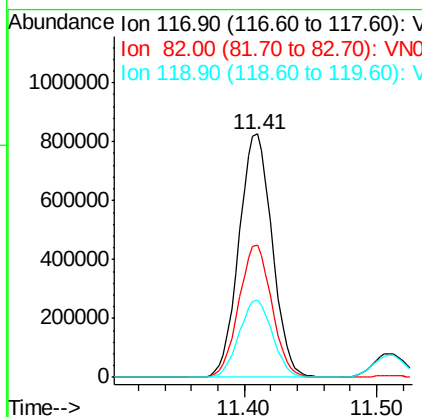
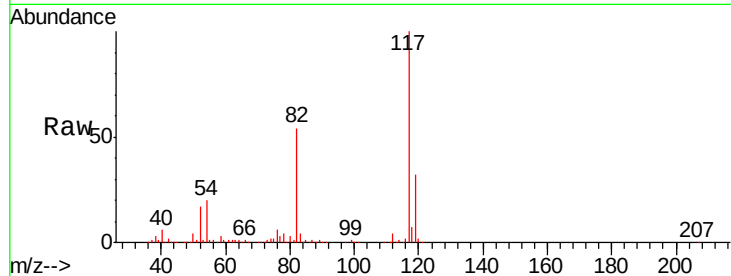
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tgt Ion:117 Resp: 1440415
Ion Ratio Lower Upper
117 100
82 54.2 43.6 65.4
119 31.7 25.4 38.2

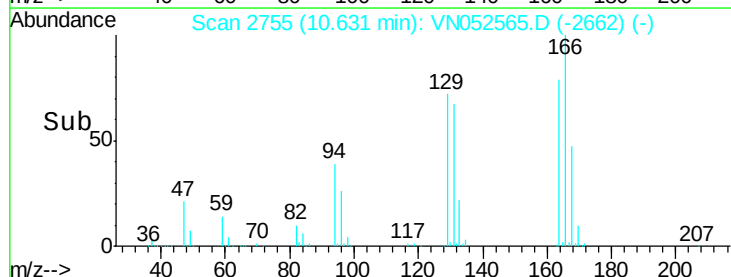
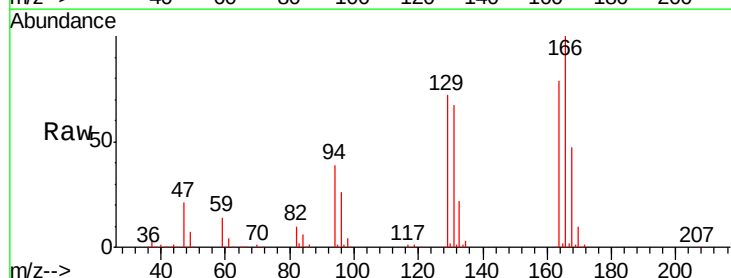
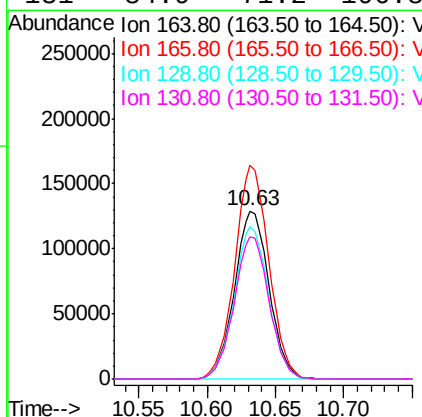
Manual Integrations
APPROVED

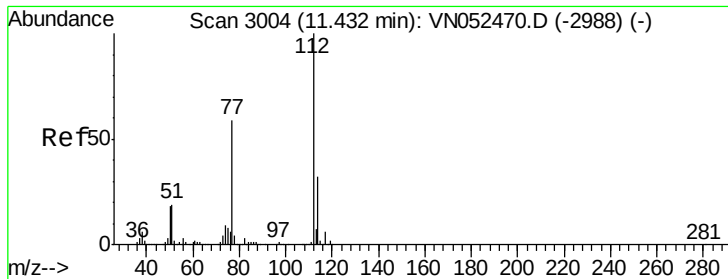
MMDadoda
11/30/2018 11:11:39 AM



#64
Tetrachloroethene
Concen: 20.311 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Tgt Ion:164 Resp: 226834
Ion Ratio Lower Upper
164 100
166 127.0 101.0 151.4
129 90.8 73.8 110.6
131 84.9 71.2 106.8





#65

Chlorobenzene

Concen: 19.374 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS01

Tgt Ion:112 Resp: 575439

Ion Ratio Lower Upper

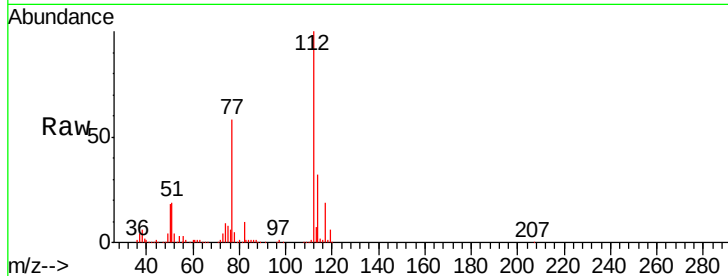
112 100

114 32.0 25.8 38.6

Manual Integrations
APPROVED

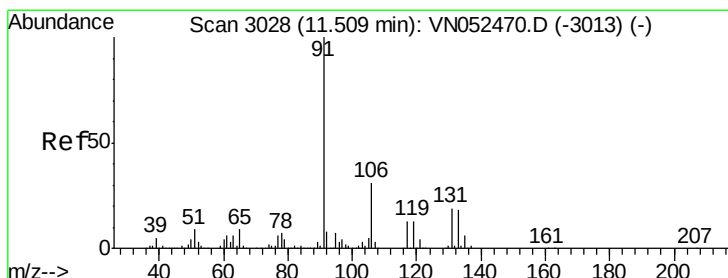
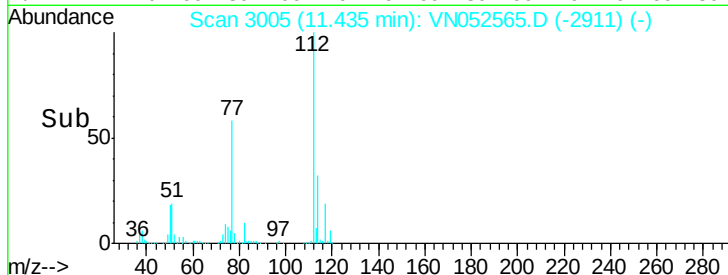
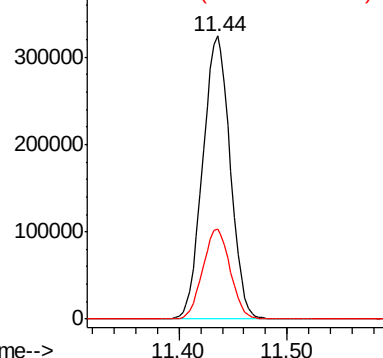
MMDadoda

11/30/2018 11:11:39 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.449 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

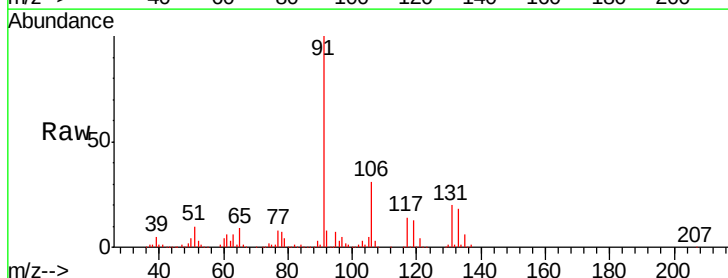
Tgt Ion:131 Resp: 200856

Ion Ratio Lower Upper

131 100

133 95.6 47.6 142.8

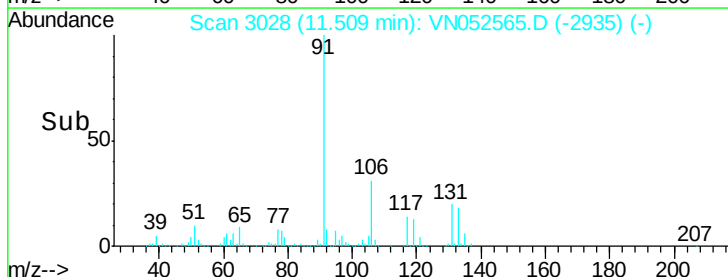
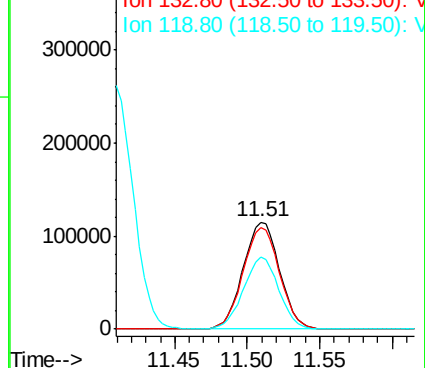
119 65.5 33.2 99.6

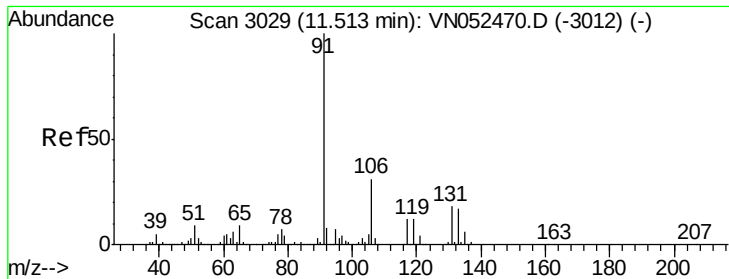


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.268 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS01

Tgt Ion: 91 Resp: 1002187

Ion Ratio Lower Upper

91 100

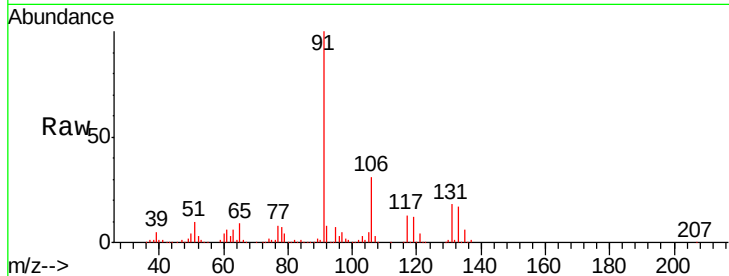
106 31.3 24.9 37.3

Manual Integrations

APPROVED

MMDadoda

11/30/2018 11:11:39 AM



Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN052470.D (-3012) (-)

800000

600000

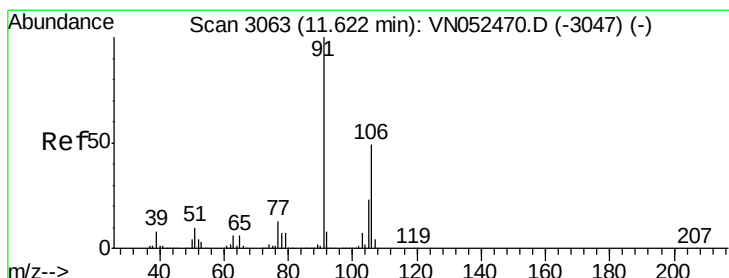
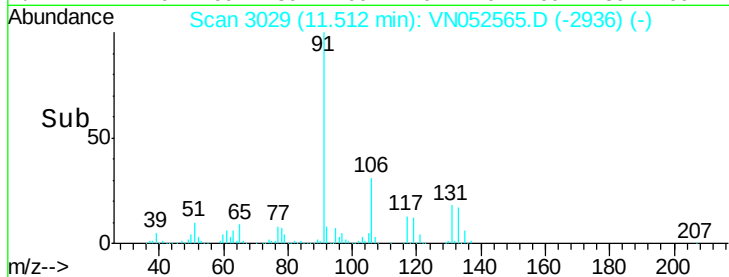
400000

200000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 39.137 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN052565.D

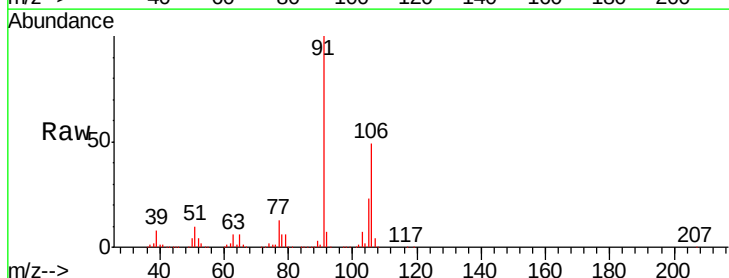
Acq: 29 Nov 2018 15:18

Tgt Ion: 106 Resp: 757809

Ion Ratio Lower Upper

106 100

91 203.6 163.2 244.8



Abundance Ion 106.00 (105.70 to 106.70): VN052470.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN052470.D (-3047) (-)

800000

600000

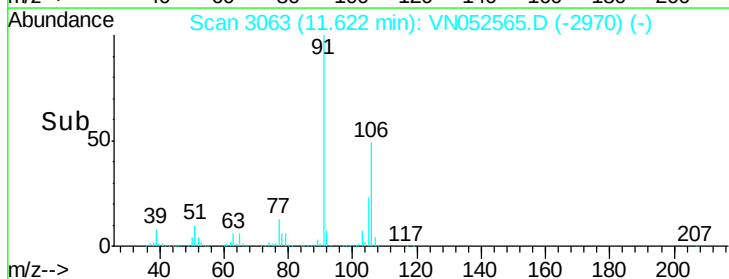
400000

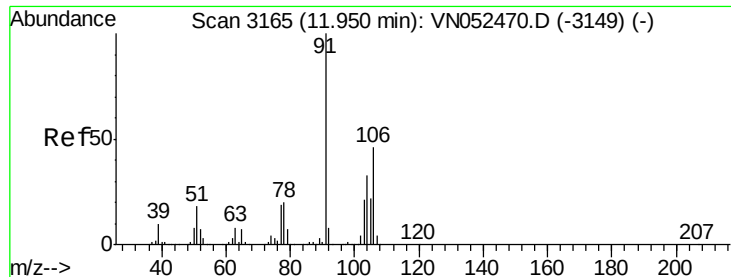
200000

0

11.60 11.62 11.64 11.66 11.68 11.70

Time-->





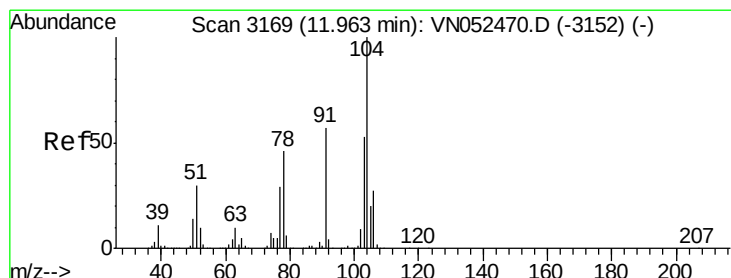
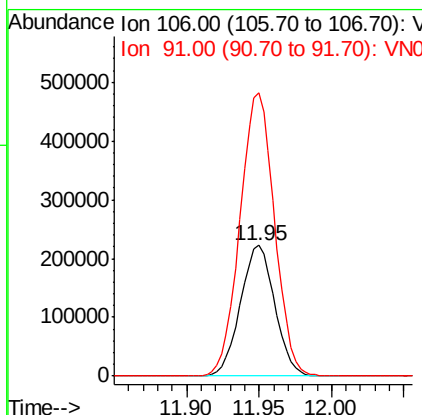
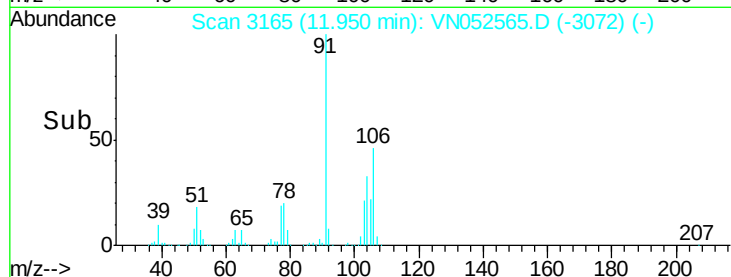
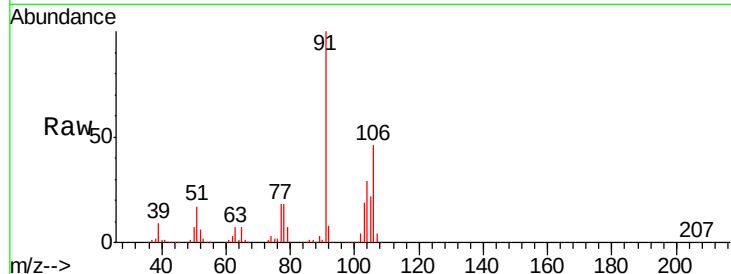
#69
o-Xylene
Concen: 19.552 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tgt Ion:106 Resp: 367635
Ion Ratio Lower Upper
106 100
91 216.9 107.7 323.1

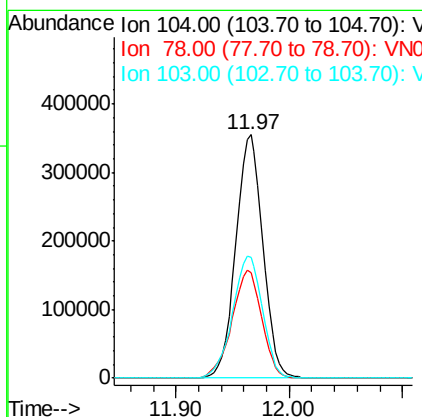
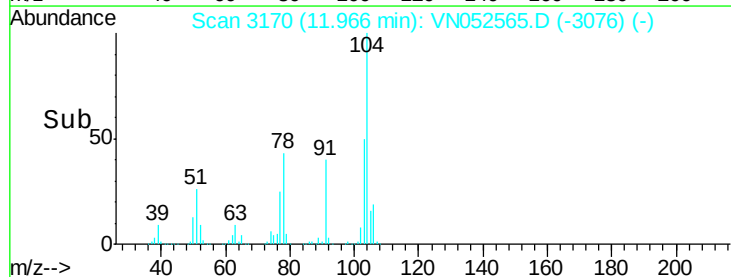
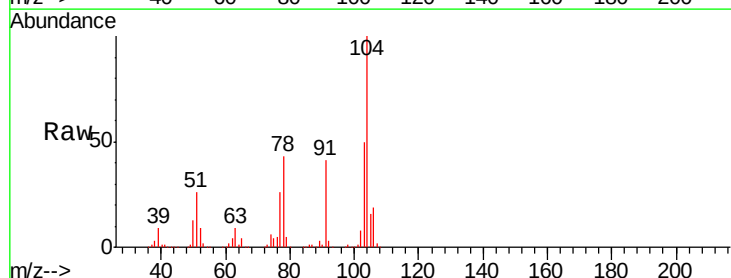
Manual Integrations
APPROVED

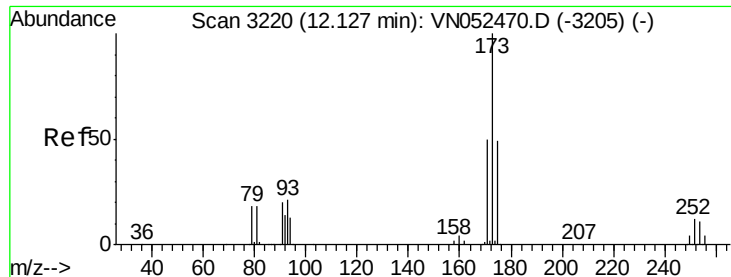
MMDadoda
11/30/2018 11:11:39 AM



#70
Styrene
Concen: 19.757 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Tgt Ion:104 Resp: 591680
Ion Ratio Lower Upper
104 100
78 48.8 39.4 59.2
103 55.6 44.9 67.3





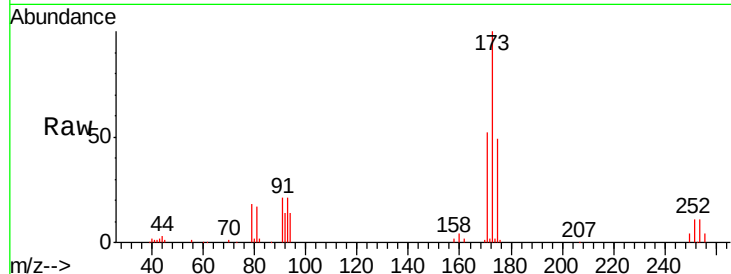
#71
Bromoform
Concen: 18.599 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

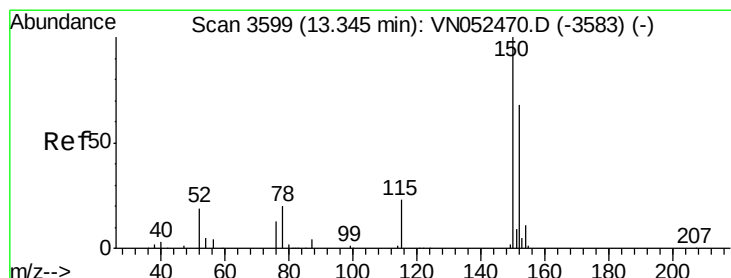
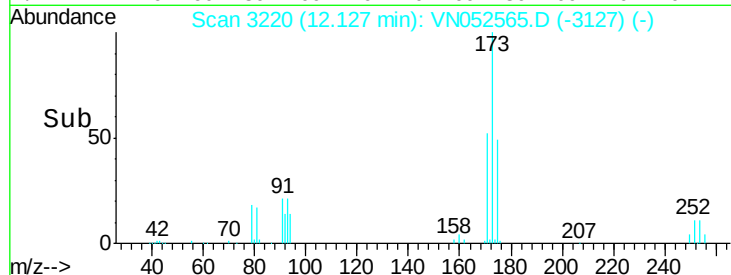
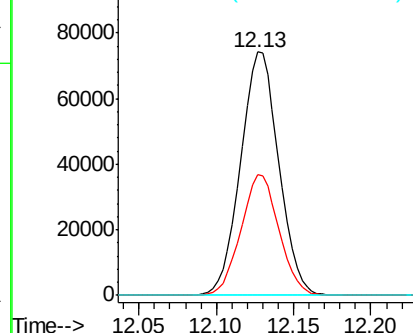
Tgt Ion	Ratio	Resp	Lower	Upper
173	100	127177		
175	49.3	24.4	73.2	
254	0.0	0.1	0.1#	

Manual Integrations
APPROVED

MMDadoda
11/30/2018 11:11:39 AM

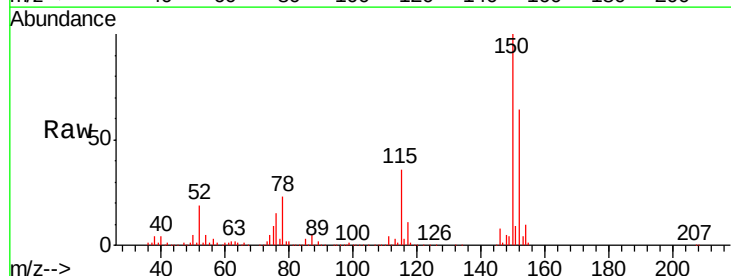


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

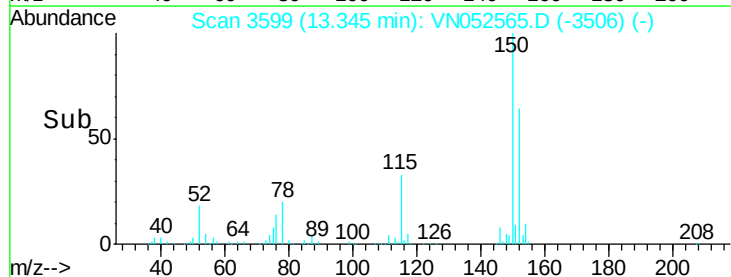
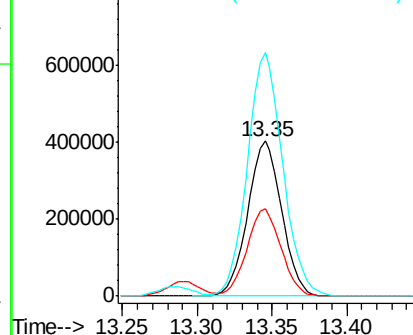


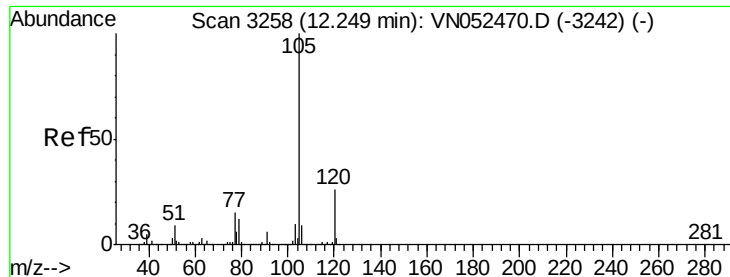
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	639281		
115	56.2	28.4	85.2	
150	163.5	0.0	346.0	



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.642 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS01

Tgt Ion: 105 Resp: 985149

Ion Ratio Lower Upper

105 100

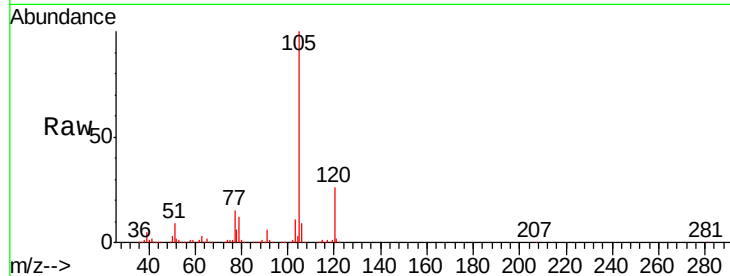
120 26.5 13.1 39.3

Manual Integrations

APPROVED

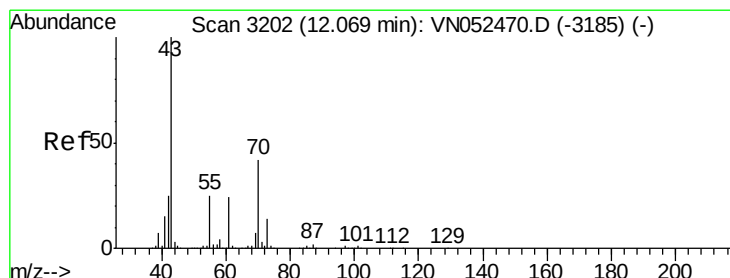
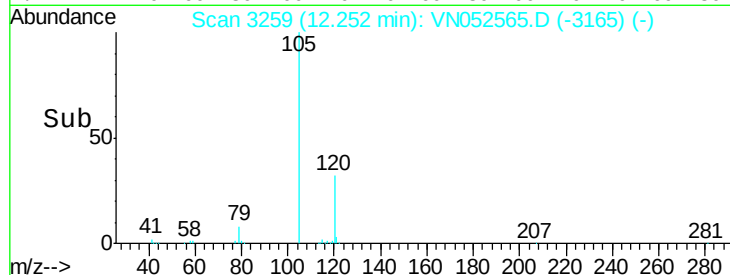
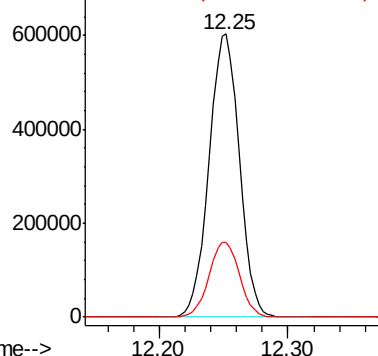
MMDadoda

11/30/2018 11:11:39 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.414 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Tgt Ion: 43 Resp: 233323

Ion Ratio Lower Upper

43 100

70 43.9 33.8 50.8

55 25.8 20.0 30.0

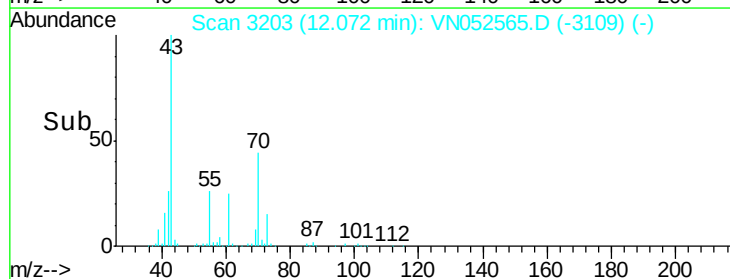
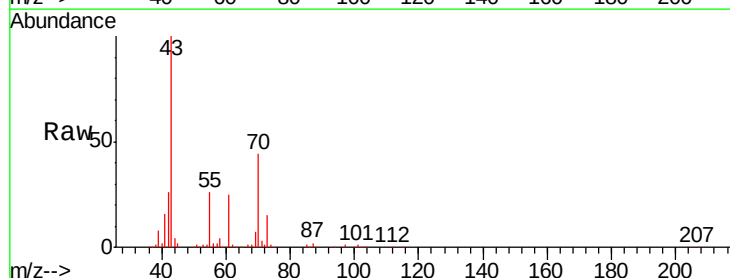
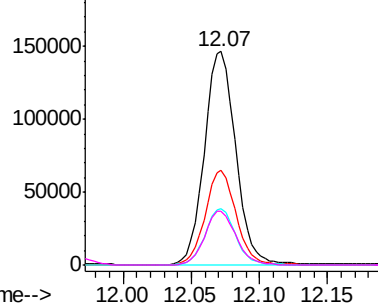
61 25.3 19.7 29.5

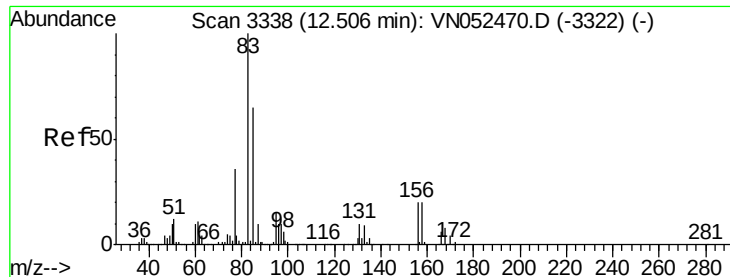
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.752 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Instrument :

MSVOA_N

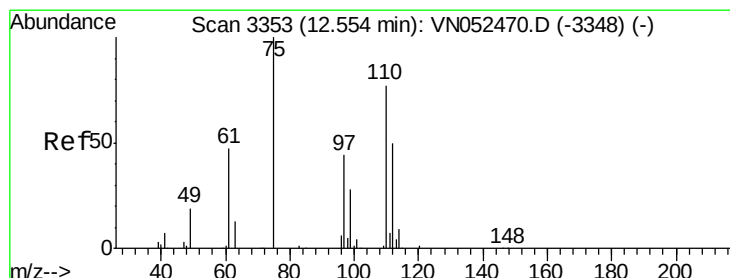
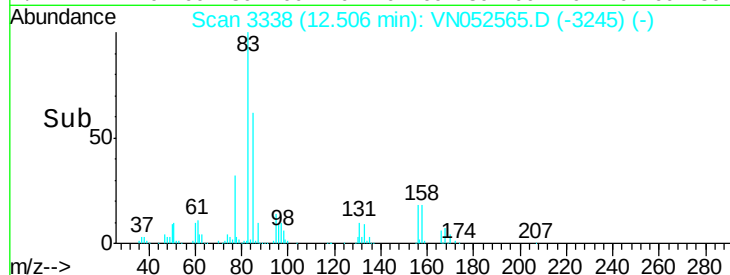
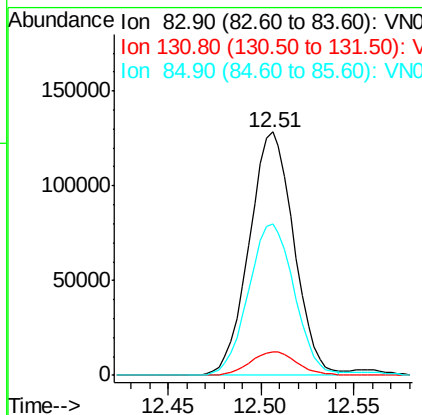
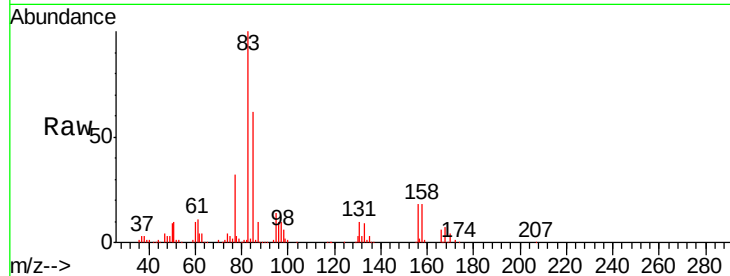
ClientSampleId :

VN1129WBS01

Tgt Ion:	83	Resp:	213949
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.0	15.0
85	64.2	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
11/30/2018 11:11:39 AM



#76

1,2,3-Trichloropropane

Concen: 18.824 ug/l m

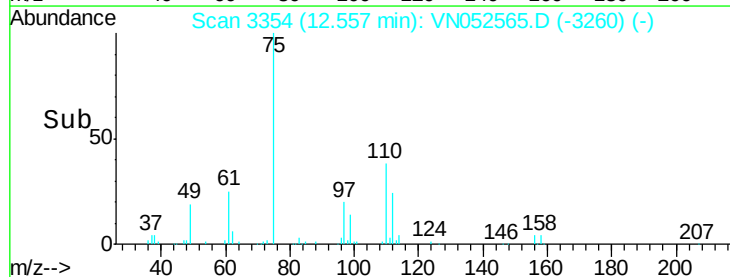
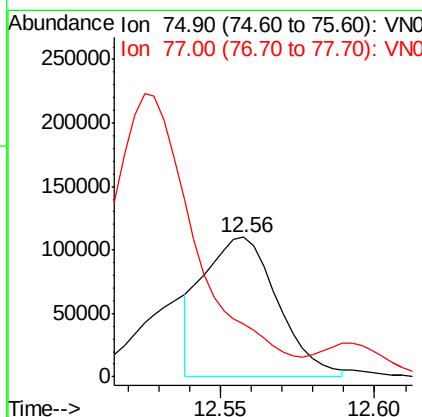
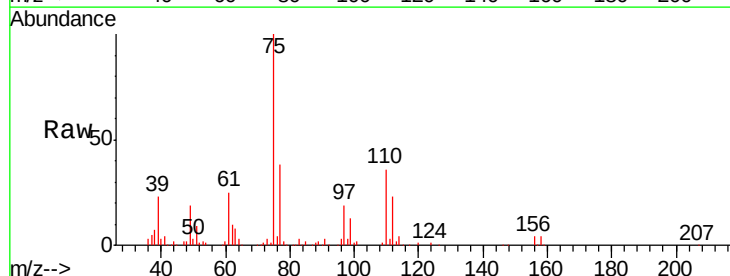
RT: 12.56 min Scan# 3354

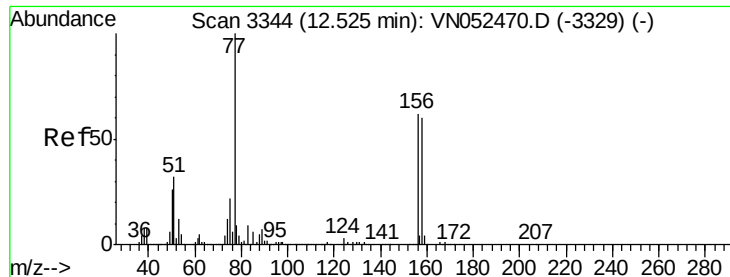
Delta R.T. 0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Tgt Ion:	75	Resp:	185571
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.493 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Instrument :

MSVOA_N

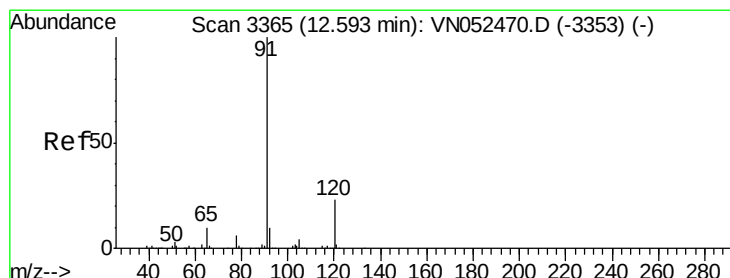
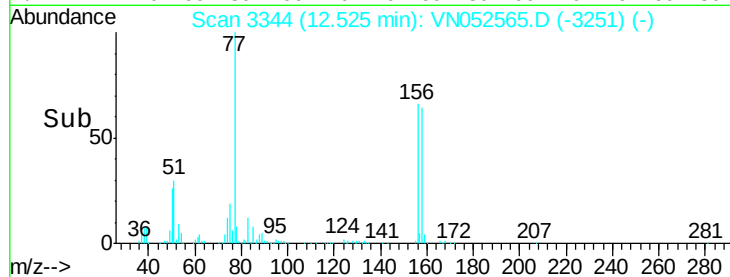
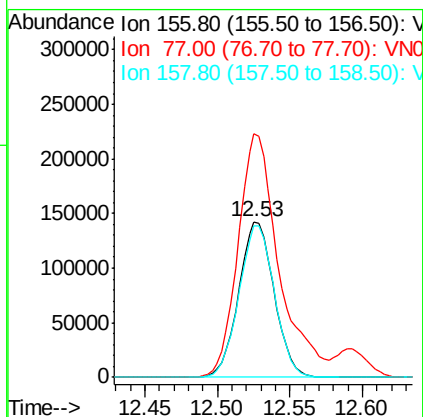
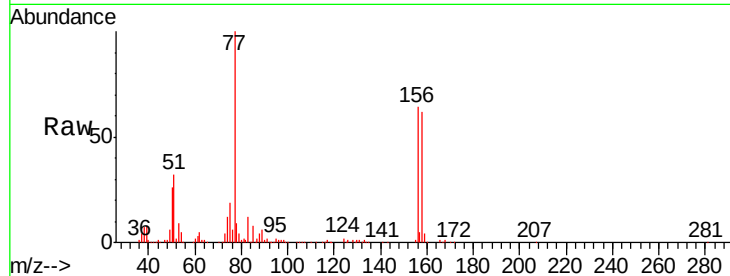
ClientSampleId :

VN1129WBS01

Tgt Ion:	156	Resp:	241652
Ion Ratio	Lower	Upper	
156	100		
77	180.9	93.5	280.4
158	97.8	48.3	144.9

Manual Integrations
APPROVED

MMDadoda
11/30/2018 11:11:39 AM



#78

n-propylbenzene

Concen: 19.439 ug/l

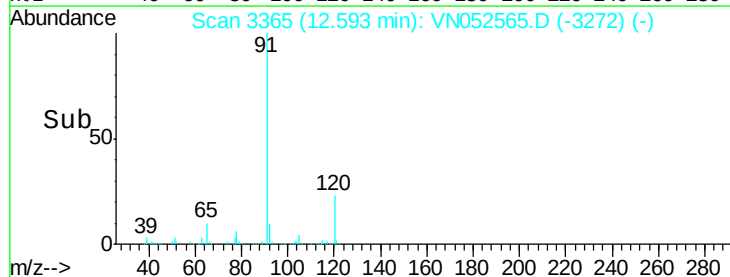
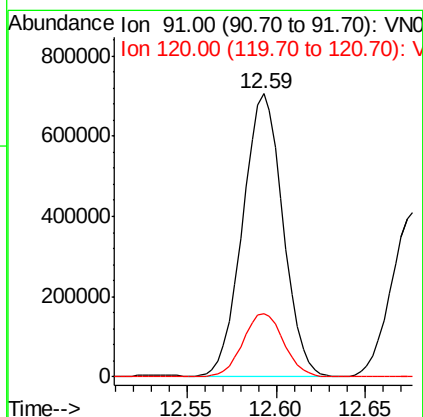
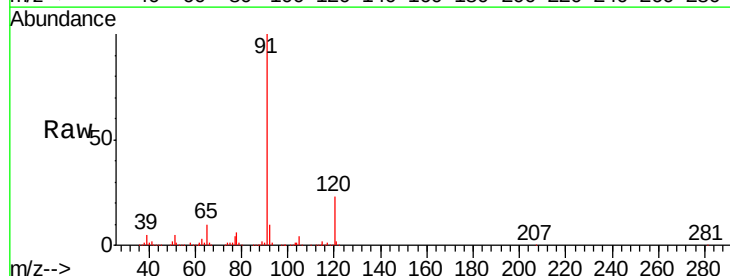
RT: 12.59 min Scan# 3365

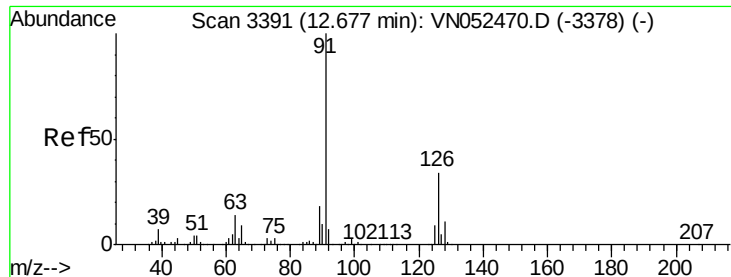
Delta R.T. -0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Tgt Ion:	91	Resp:	1107626
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.3	33.9





#79

2-Chlorotoluene

Concen: 19.423 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS01

Tgt Ion: 91 Resp: 659059

Ion Ratio Lower Upper

91 100

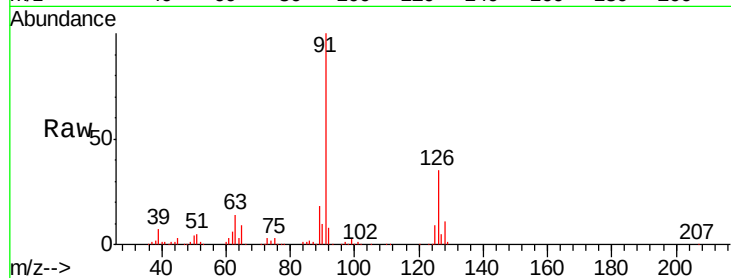
126 35.1 17.2 51.6

Manual Integrations

APPROVED

MMDadoda

11/30/2018 11:11:39 AM



Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052470.D (-3378) (-)

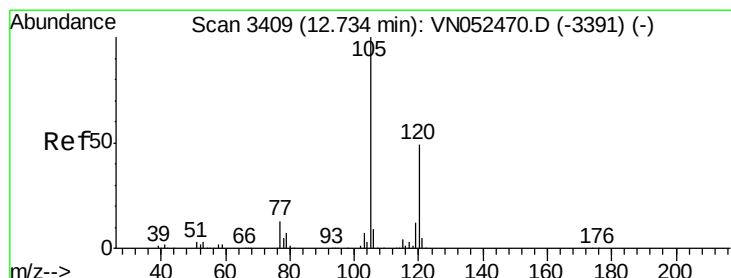
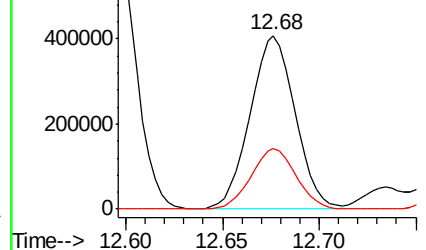
600000

400000

200000

0

12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 19.814 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052565.D

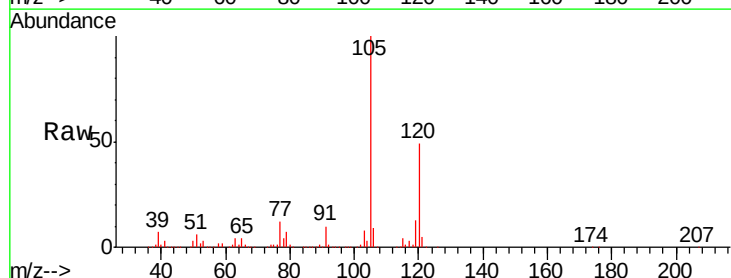
Acq: 29 Nov 2018 15:18

Tgt Ion: 105 Resp: 792575

Ion Ratio Lower Upper

105 100

120 48.9 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052470.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052470.D (-3391) (-)

600000

500000

400000

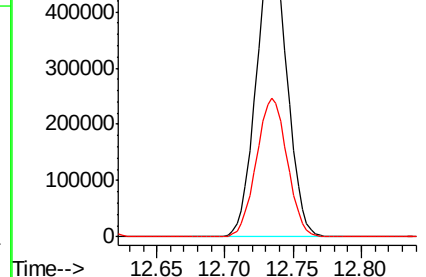
300000

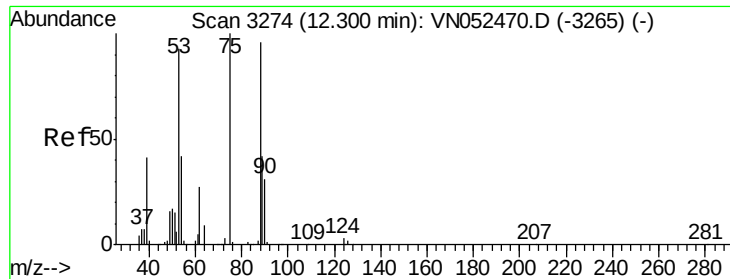
200000

100000

0

12.65 12.70 12.75 12.80





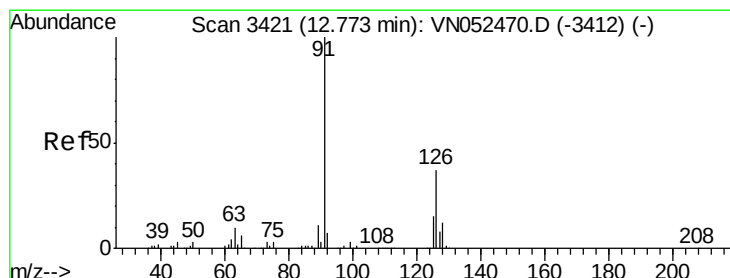
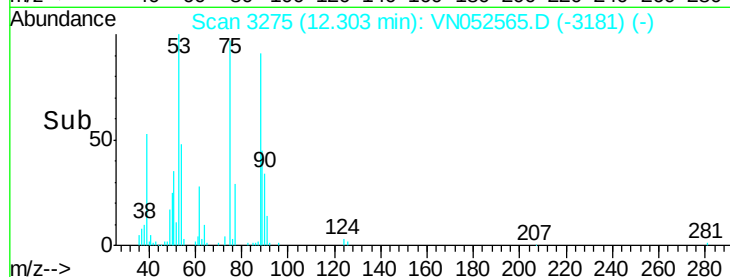
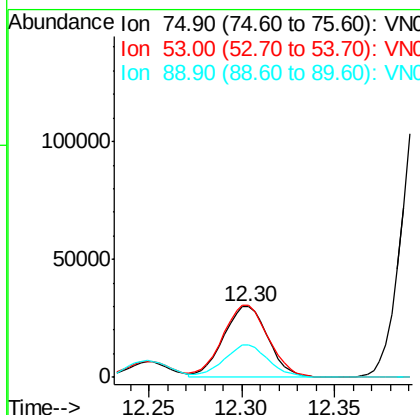
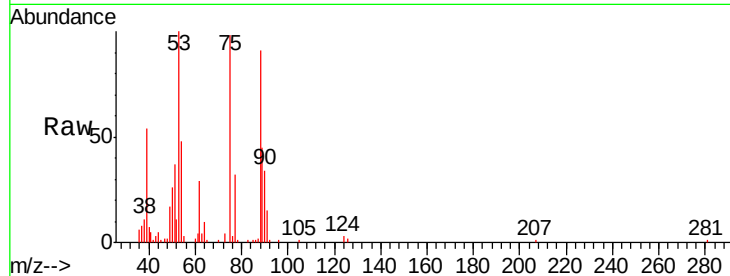
#81
trans-1,4-Dichloro-2-butene
Concen: 16.754 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	106.6	77.4	116.0
89	46.0	35.4	53.2

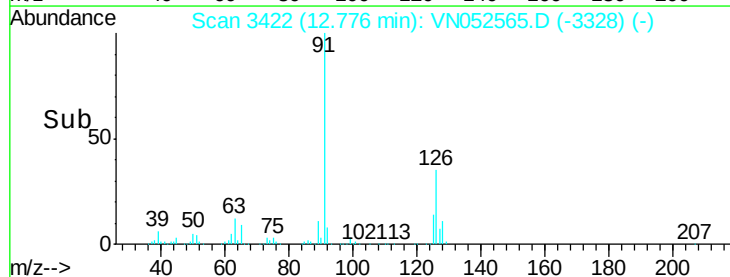
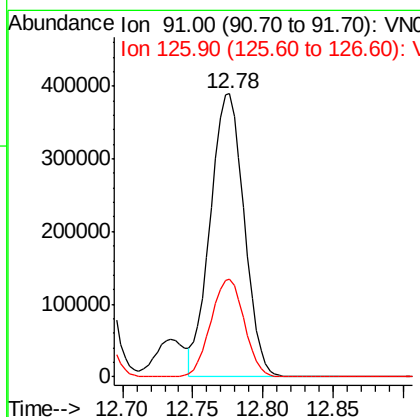
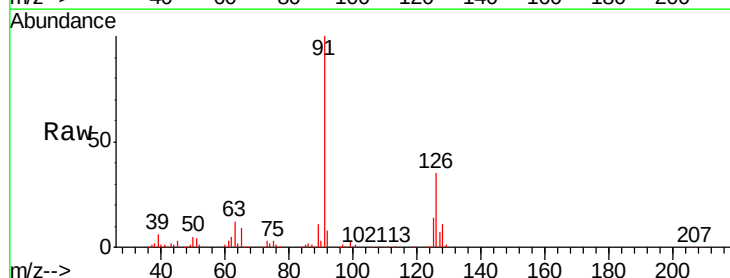
Manual Integrations
APPROVED

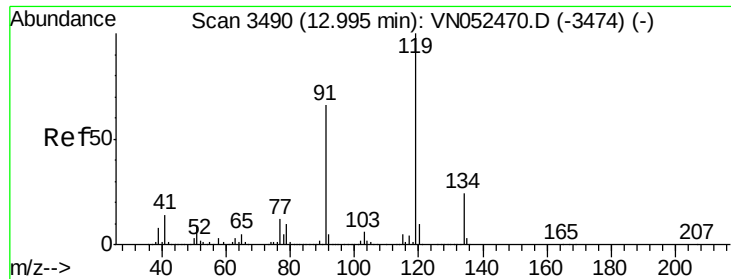
MMDadoda
11/30/2018 11:11:39 AM



#82
4-Chlorotoluene
Concen: 18.947 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN052565.D
Acq: 29 Nov 2018 15:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.9	50.6





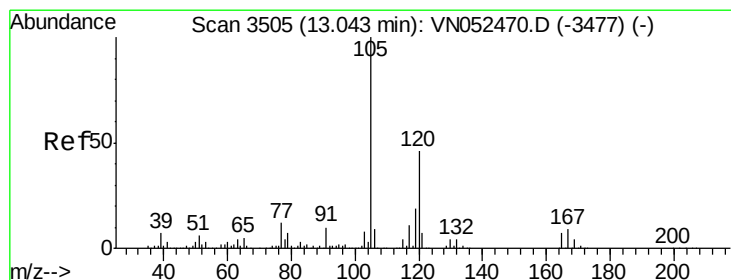
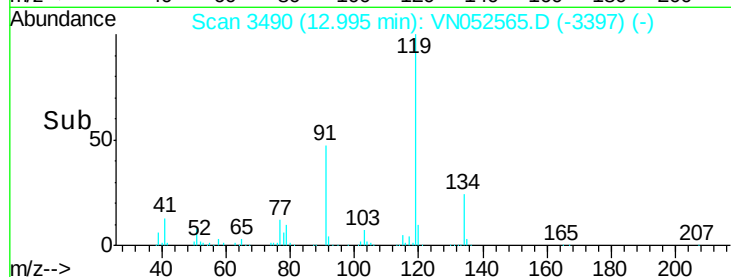
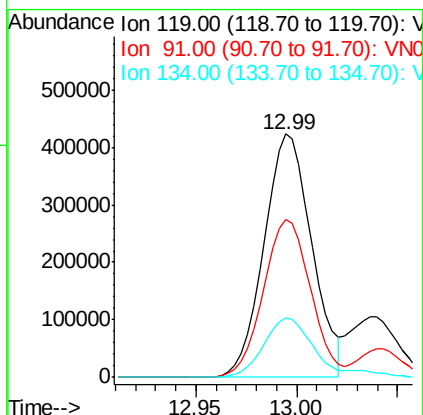
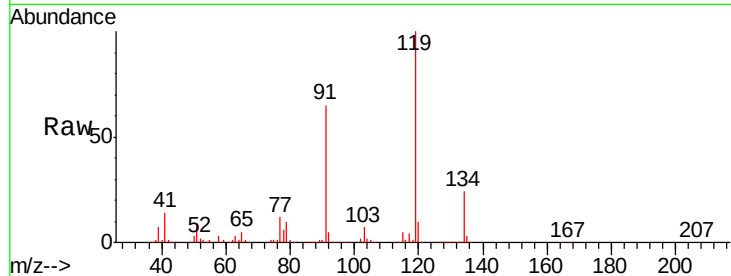
#83
 tert-Butylbenzene
 Concen: 19.520 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052565.D
 Acq: 29 Nov 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	64.2	32.3	96.9
134	26.6	13.0	38.9

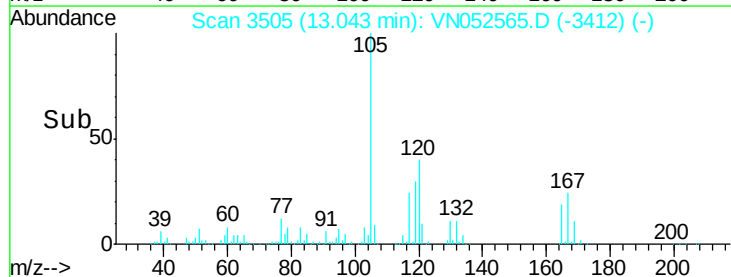
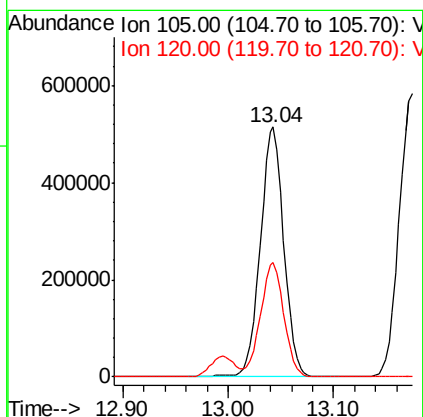
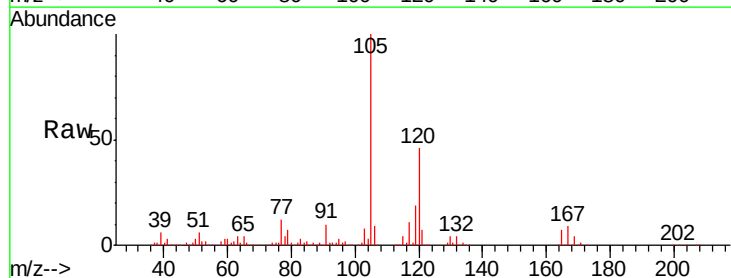
Manual Integrations
 APPROVED

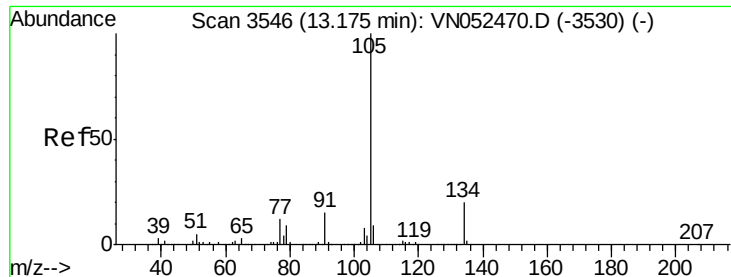
MMDadoda
 11/30/2018 11:11:39 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.898 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN052565.D
 Acq: 29 Nov 2018 15:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.8	68.4





#85

sec-Butylbenzene

Concen: 19.315 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS01

Tgt Ion:105 Resp: 938175

Ion Ratio Lower Upper

105 100

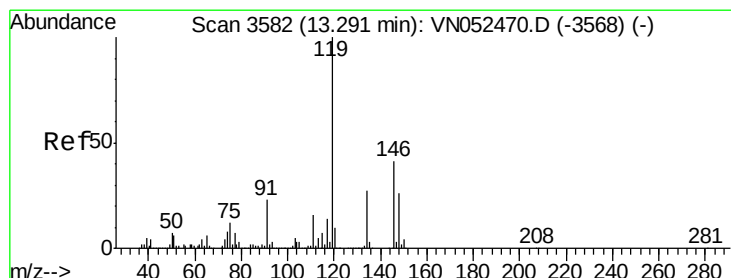
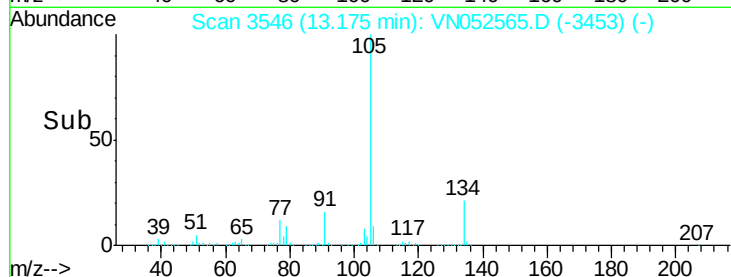
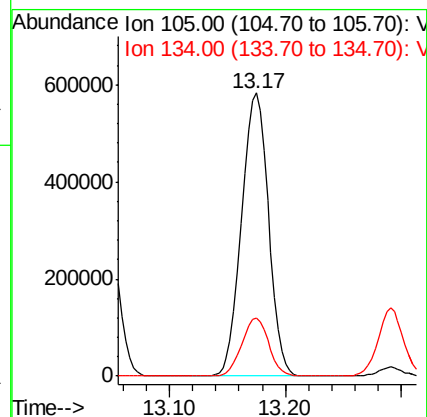
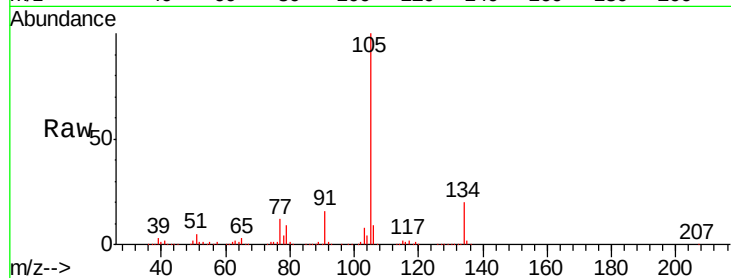
134 20.3 9.9 29.7

Manual Integrations

APPROVED

MMDadoda

11/30/2018 11:11:39 AM



#86

p-Isopropyltoluene

Concen: 19.418 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

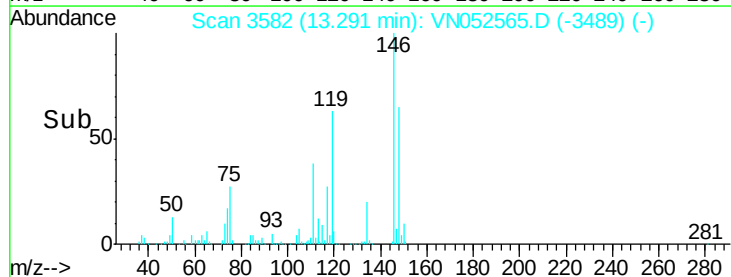
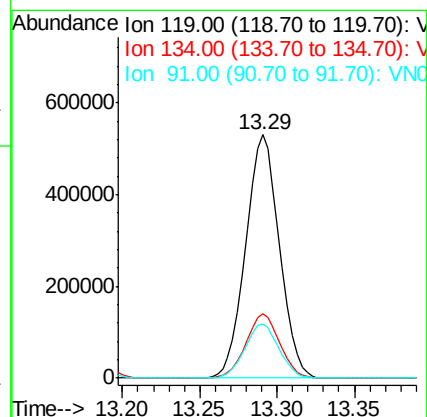
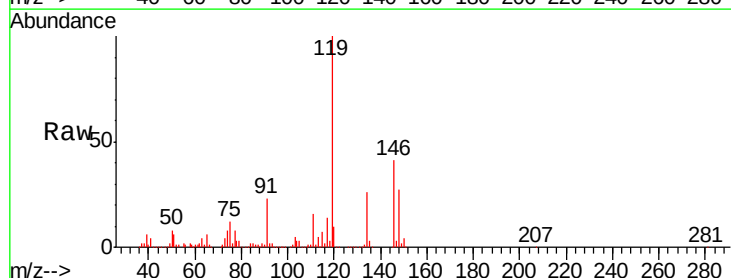
Tgt Ion:119 Resp: 803306

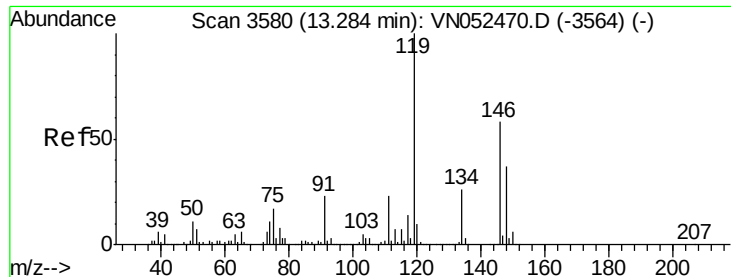
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.2

91 22.4 11.4 34.2





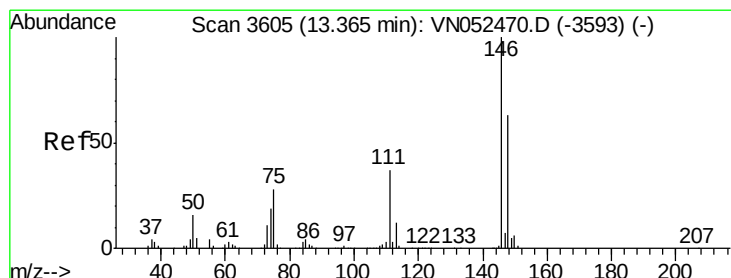
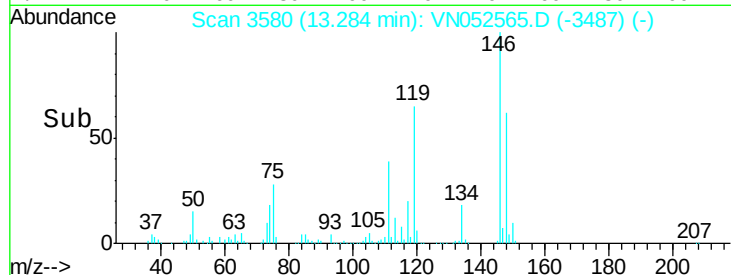
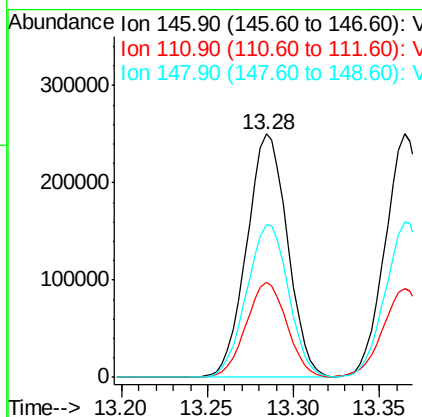
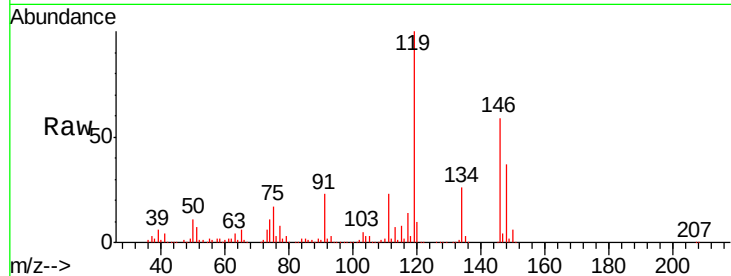
#87
 1,3-Dichlorobenzene
 Concen: 18.978 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052565.D
 Acq: 29 Nov 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.4
148	64.5	31.8	95.4

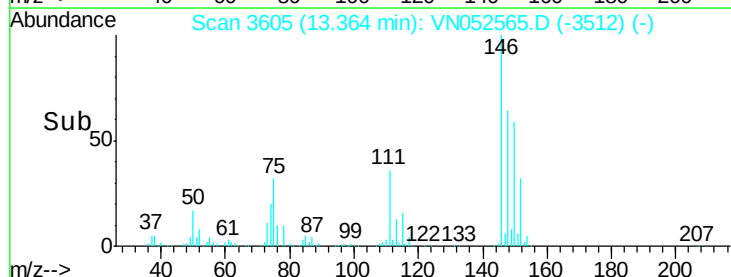
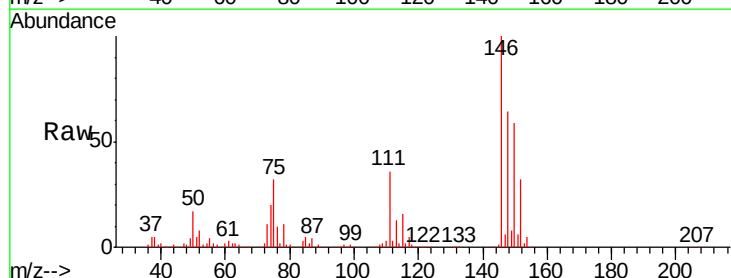
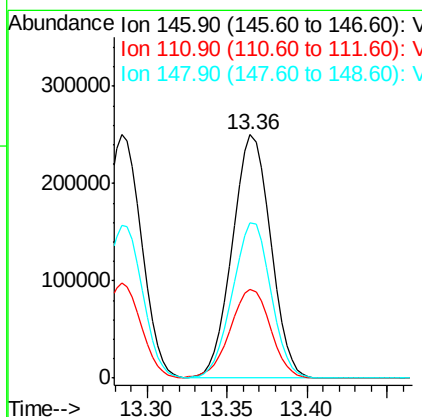
Manual Integrations
 APPROVED

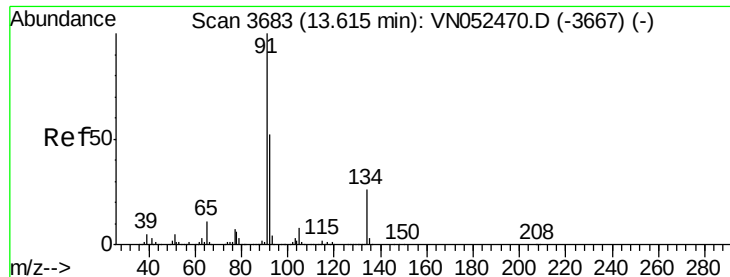
MMDadoda
 11/30/2018 11:11:39 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.129 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052565.D
 Acq: 29 Nov 2018 15:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.6	56.0
148	64.2	31.9	95.9





#89

n-Butylbenzene

Concen: 18.872 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Instrument :

MSVOA_N

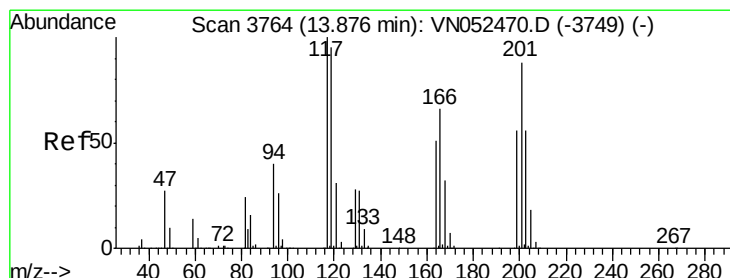
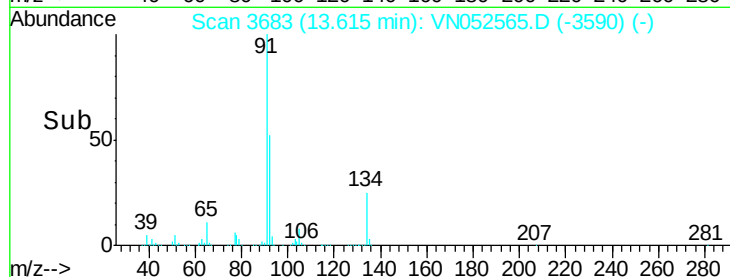
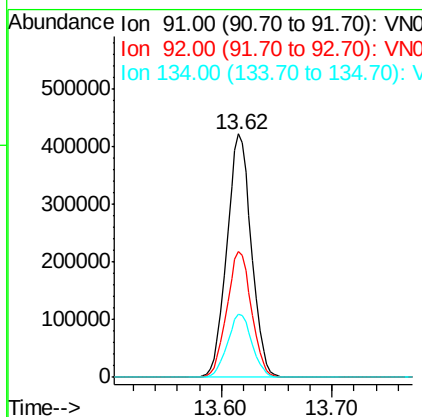
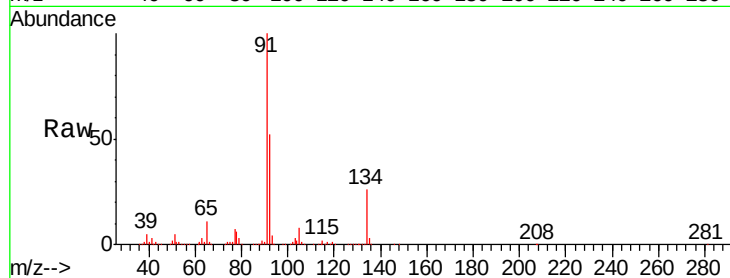
ClientSampleId :

VN1129WBS01

Tgt Ion:	91	Resp:	649298
Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.3
134	26.1	13.0	38.9

Manual Integrations
APPROVED

MMDadoda
11/30/2018 11:11:39 AM



#90

Hexachloroethane

Concen: 17.956 ug/l

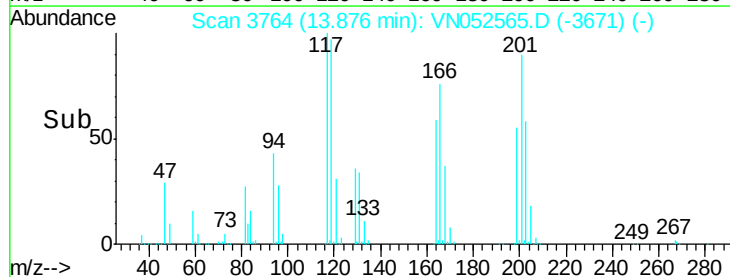
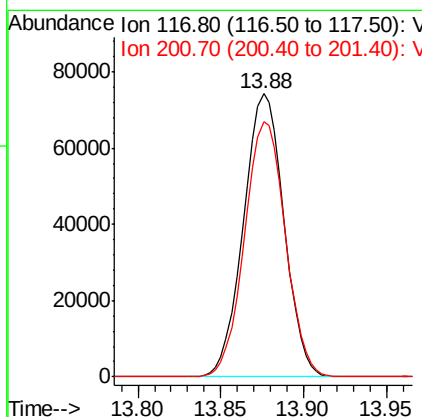
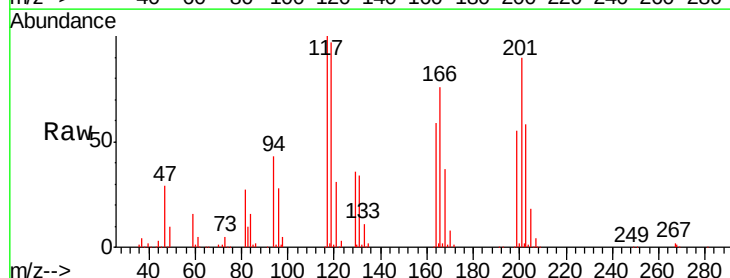
RT: 13.88 min Scan# 3764

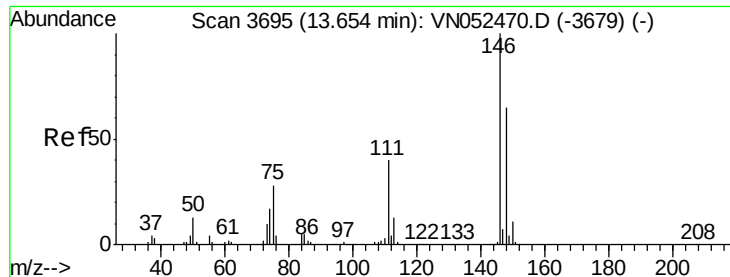
Delta R.T. -0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Tgt Ion:	117	Resp:	125776
Ion	Ratio	Lower	Upper
117	100		
201	91.2	43.6	130.9





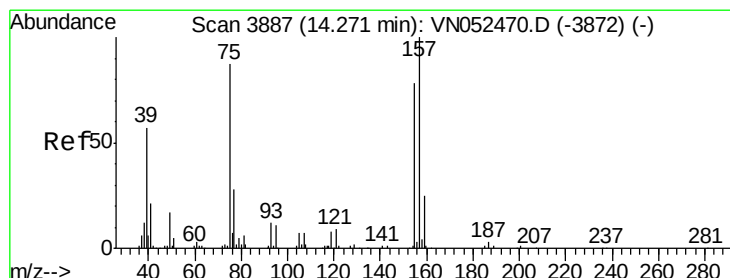
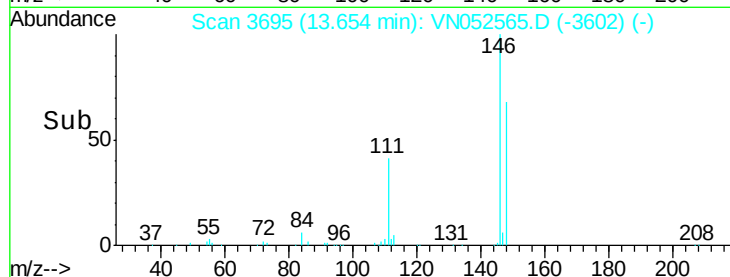
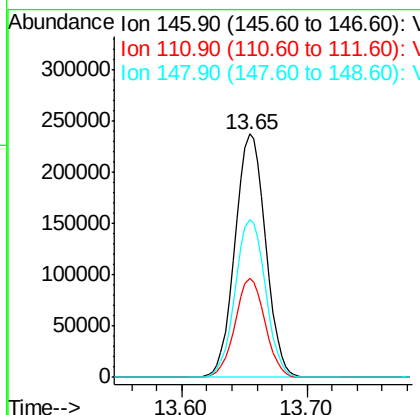
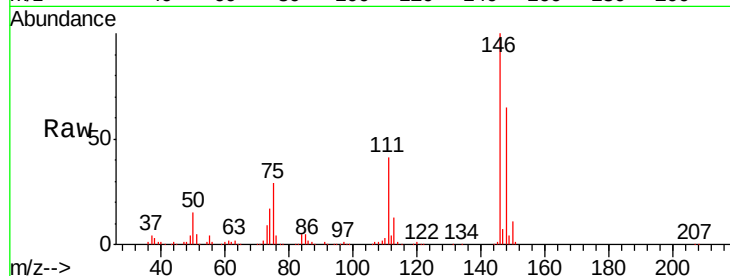
#91
 1,2-Dichlorobenzene
 Concen: 19.440 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052565.D
 Acq: 29 Nov 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	60.0
148	64.6	32.0	96.2

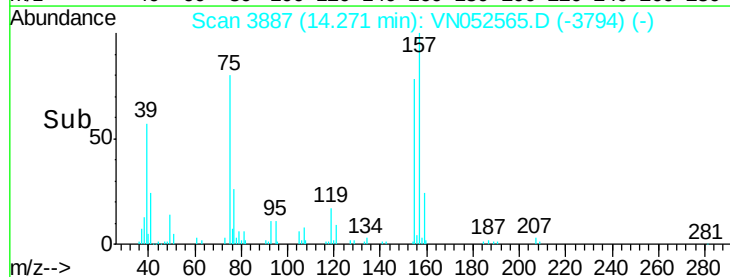
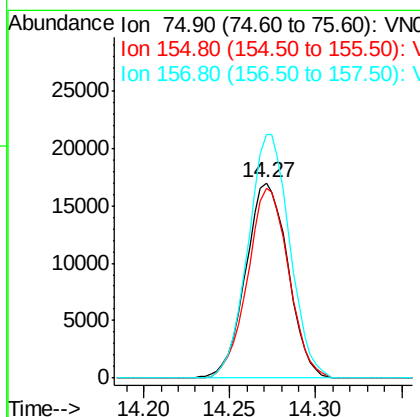
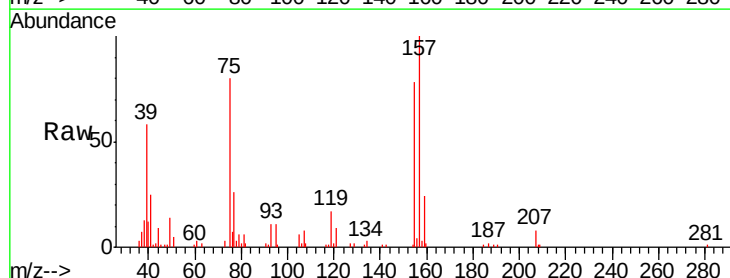
Manual Integrations
 APPROVED

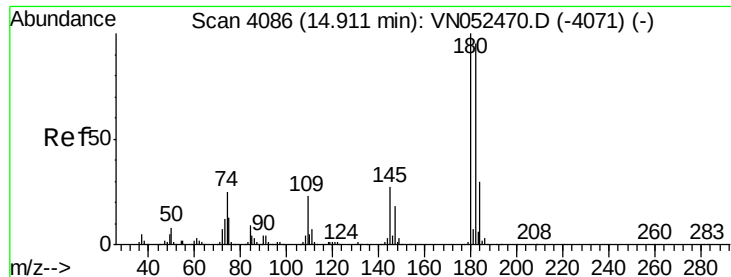
MMDadoda
 11/30/2018 11:11:39 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.749 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052565.D
 Acq: 29 Nov 2018 15:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.4	45.3	135.9
157	122.9	58.1	174.2





#93

1,2,4-Trichlorobenzene

Concen: 18.372 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Instrument :

MSVOA_N

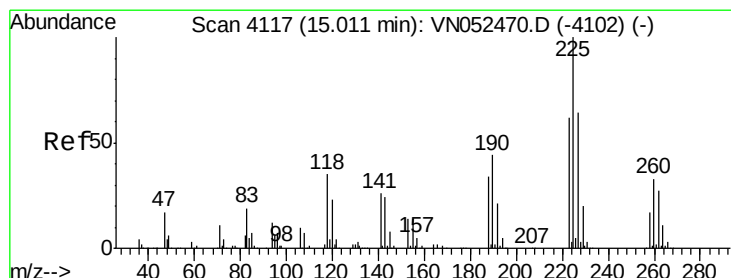
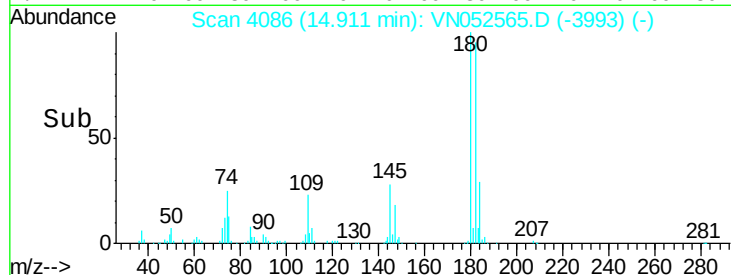
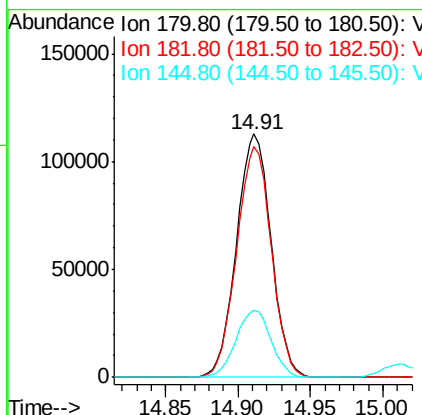
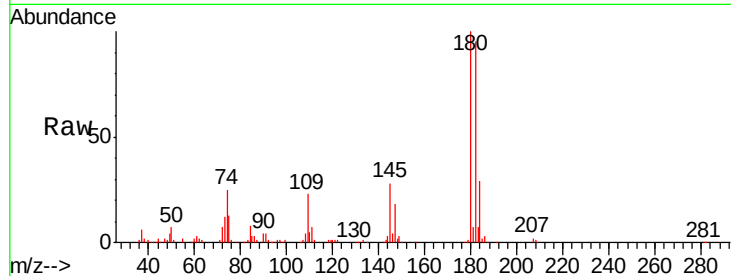
ClientSampleId :

VN1129WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	186981		
182	95.0	47.8	143.4	
145	28.1	14.1	42.3	

Manual Integrations
APPROVED

MMDadoda
11/30/2018 11:11:39 AM



#94

Hexachlorobutadiene

Concen: 19.074 ug/l

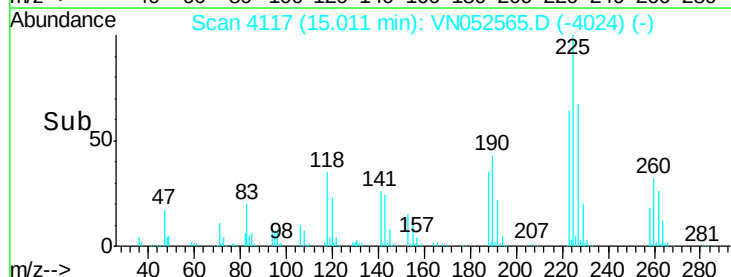
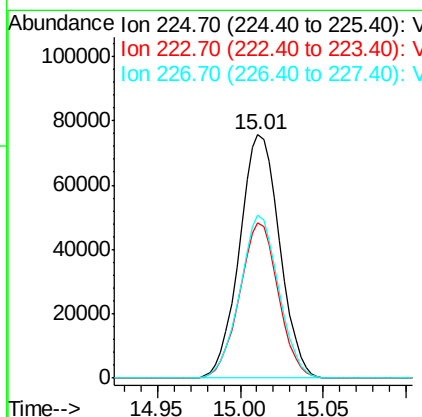
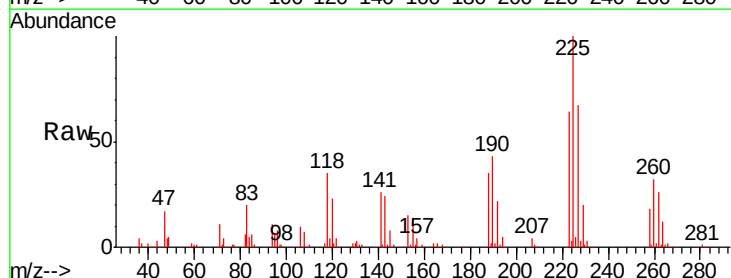
RT: 15.01 min Scan# 4117

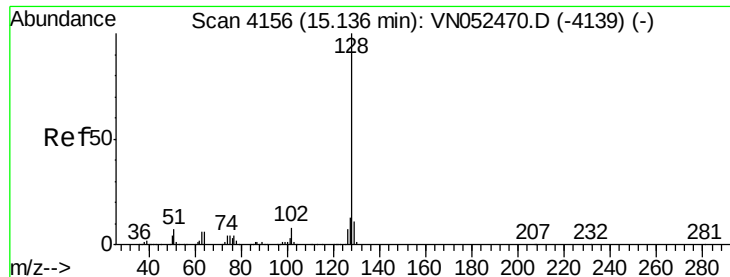
Delta R.T. -0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	127129		
223	61.4	31.4	94.2	
227	64.6	32.5	97.4	





#95

Naphthalene

Concen: 17.825 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Instrument :

MSVOA_N

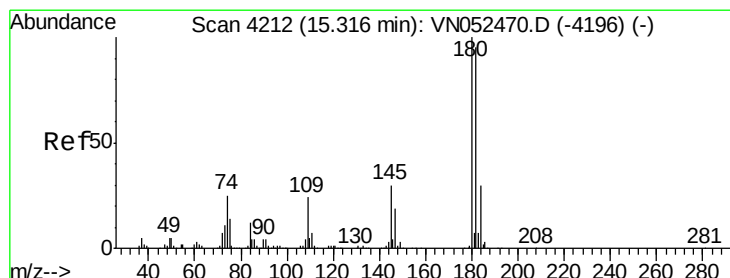
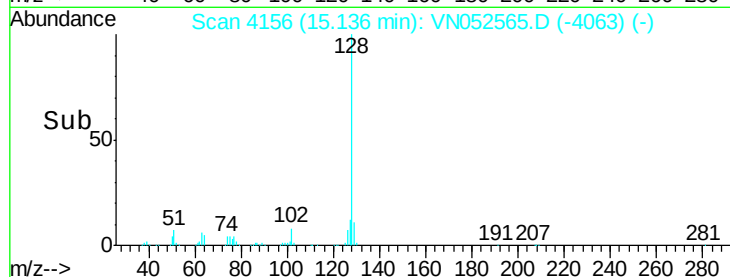
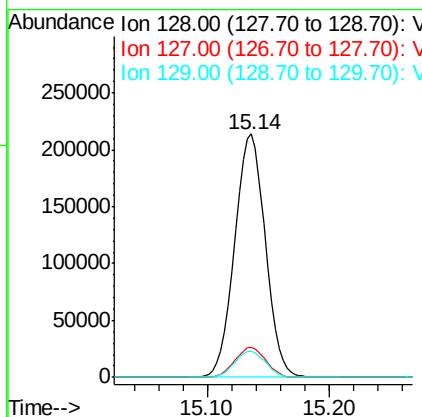
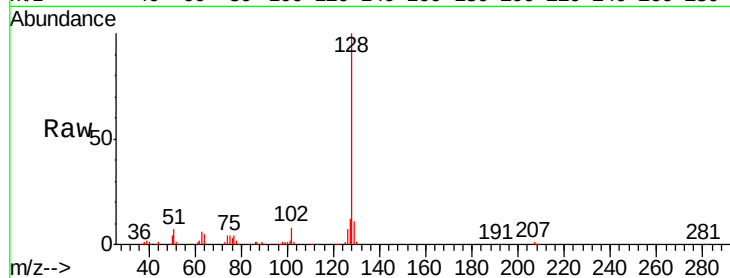
ClientSampleId :

VN1129WBS01

Tgt Ion:	128	Resp:	372008
Ion Ratio		Lower	Upper
128	100		
127	12.4	10.2	15.2
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/30/2018 11:11:39 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.350 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052565.D

Acq: 29 Nov 2018 15:18

Tgt Ion:	180	Resp:	172432
Ion Ratio		Lower	Upper
180	100		
182	96.8	47.8	143.3
145	30.1	15.2	45.5

