

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051566.D
 Acq On : 27 Sep 2018 6:22
 Operator : MD\SY
 Sample : VN0927WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:18:45 PM

Quant Time: Sep 27 09:21:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	445124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	680447	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	603362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	291523	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	313319	56.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.38%	
35) Dibromofluoromethane	7.59	113	277419	50.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.96%	
50) Toluene-d8	10.09	98	999305	48.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.40	95	316141	47.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.38%	
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	72880	17.550	ug/l	100
3) Chloromethane	2.06	50	116285	17.590	ug/l	100
4) Vinyl Chloride	2.18	62	135565	18.580	ug/l	99
5) Bromomethane	2.57	94	65927	15.119	ug/l	97
6) Chloroethane	2.70	64	62000	13.637	ug/l	100
7) Trichlorofluoromethane	3.01	101	171554	17.950	ug/l	100
8) Diethyl Ether	3.41	74	57713	17.456	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	100750	18.679	ug/l	100
10) Methyl Iodide	3.96	142	109432	15.465	ug/l	97
11) Tert butyl alcohol	4.79	59	33172	105.410	ug/l	99
12) 1,1-Dichloroethene	3.74	96	87889	17.746	ug/l	99
13) Acrolein	3.61	56	21602	69.128	ug/l	95
14) Allyl chloride	4.33	41	152947	18.407	ug/l	99
15) Acrylonitrile	5.00	53	178969	104.545	ug/l	97
16) Acetone	3.82	43	128238	87.890	ug/l	98
17) Carbon Disulfide	4.05	76	235965	16.217	ug/l	99
18) Methyl Acetate	4.33	43	103877	24.461	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	260847	20.425	ug/l	100
20) Methylene Chloride	4.55	84	112499	20.389	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	97417	19.228	ug/l	96
22) Diisopropyl ether	5.96	45	361267	22.493	ug/l	98
23) Vinyl Acetate	5.90	43	1085557	102.947	ug/l	97
24) 1,1-Dichloroethane	5.85	63	207914	21.695	ug/l	100
25) 2-Butanone	6.84	43	196579	103.001	ug/l	97
26) 2,2-Dichloropropane	6.83	77	100001	13.368	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	113464	20.411	ug/l	99
28) Bromochloromethane	7.20	49	103342	23.351	ug/l	97
29) Tetrahydrofuran	7.22	42	136173	112.591	ug/l	95
30) Chloroform	7.37	83	212235	22.350	ug/l	100
31) Cyclohexane	7.66	56	161693	18.416	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	176095	21.692	ug/l	99
36) 1,1-Dichloropropene	7.79	75	143681	18.234	ug/l	98
37) Ethyl Acetate	6.93	43	85778	18.933	ug/l #	78
38) Carbon Tetrachloride	7.78	117	151507	18.383	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051566.D
 Acq On : 27 Sep 2018 6:22
 Operator : MD\SY
 Sample : VN0927WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0927WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:18:45 PM

Quant Time: Sep 27 09:21:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	142055	15.422	ug/l	93
40) Benzene	8.04	78	453355	19.595	ug/l	98
41) Methacrylonitrile	7.18	41	52135	20.800	ug/l #	89
42) 1,2-Dichloroethane	8.13	62	147695	19.936	ug/l	100
43) Isopropyl Acetate	8.17	43	173611	21.192	ug/l	96
44) Trichloroethene	8.84	130	114565	18.643	ug/l	97
45) 1,2-Dichloropropane	9.12	63	126459	20.107	ug/l	97
46) Dibromomethane	9.21	93	71944	20.246	ug/l	96
47) Bromodichloromethane	9.40	83	159767	20.316	ug/l	97
48) Methyl methacrylate	9.20	41	80717	19.762	ug/l	97
49) 1,4-Dioxane	9.20	88	19773	395.006	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	463062	102.776	ug/l	98
52) Toluene	10.16	92	270717	18.828	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	141245	17.791	ug/l	94
54) cis-1,3-Dichloropropene	9.84	75	161694	17.562	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	104710	20.606	ug/l	96
56) Ethyl methacrylate	10.43	69	115258	18.551	ug/l	97
57) 1,3-Dichloropropane	10.71	76	173743	19.948	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	293317	100.499	ug/l	98
59) 2-Hexanone	10.75	43	282583	96.749	ug/l	95
60) Dibromochloromethane	10.90	129	116556	19.440	ug/l	100
61) 1,2-Dibromoethane	11.01	107	96877	19.639	ug/l	97
64) Tetrachloroethene	10.63	164	115979	21.180	ug/l	95
65) Chlorobenzene	11.43	112	296389	19.146	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	116988	19.836	ug/l	100
67) Ethyl Benzene	11.51	91	478692	18.349	ug/l	99
68) m/p-Xylenes	11.62	106	374087	37.071	ug/l	100
69) o-Xylene	11.95	106	177923	18.340	ug/l	97
70) Styrene	11.96	104	282245	18.361	ug/l	98
71) Bromoform	12.13	173	77661	19.406	ug/l #	97
73) Isopropylbenzene	12.25	105	473641	19.256	ug/l	99
74) N-amyl acetate	12.07	43	124180	20.122	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	125496	21.880	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	102832m	21.249	ug/l	
77) Bromobenzene	12.53	156	123962	19.908	ug/l	96
78) n-propylbenzene	12.59	91	542936	19.585	ug/l	99
79) 2-Chlorotoluene	12.67	91	340841	20.541	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	395719	19.730	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	25849	16.424	ug/l	95
82) 4-Chlorotoluene	12.77	91	329808	19.914	ug/l	98
83) tert-Butylbenzene	12.99	119	349575	19.582	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	403421	19.961	ug/l	100
85) sec-Butylbenzene	13.17	105	477835	19.785	ug/l	98
86) p-Isopropyltoluene	13.29	119	395365	18.919	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	210374	19.524	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	199837	19.274	ug/l	99
89) n-Butylbenzene	13.62	91	298016	17.342	ug/l	99
90) Hexachloroethane	13.88	117	81949	19.682	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	210605	20.144	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17268	21.096	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
Data File : VN051566.D
Acq On : 27 Sep 2018 6:22
Operator : MD\SY
Sample : VN0927WBSD02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:18:45 PM

Quant Time: Sep 27 09:21:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	82458	18.861	ug/l	99
94) Hexachlorobutadiene	15.01	225	74365	18.799	ug/l	98
95) Naphthalene	15.13	128	144807	19.255	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	89951	17.928	ug/l	100

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

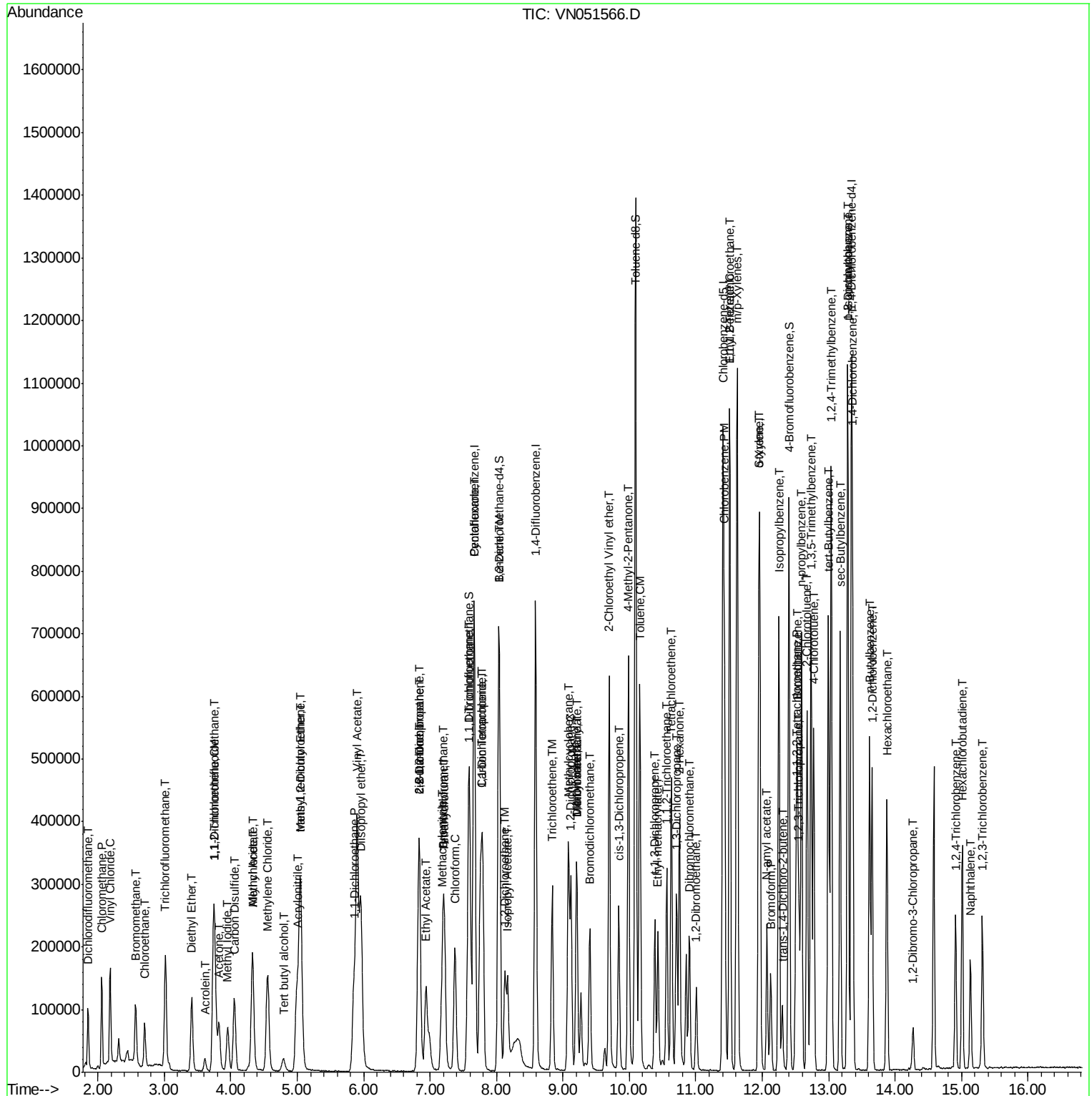
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
Data File : VN051566.D
Acq On : 27 Sep 2018 6:22
Operator : MD\SY
Sample : VN0927WBSD02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 33 Sample Multiplier: 1

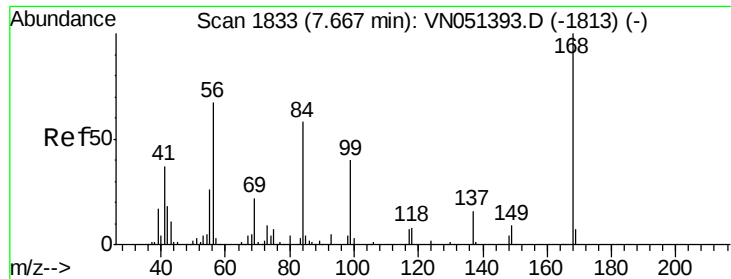
Instrument :
MSVOA_N
Client Sample Id :
VN0927WBSD02

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:18:45 PM

Quant Time: Sep 27 09:21:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 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: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD02

Tot Ion:168 Resp: 445124

Ion Ratio Lower Upper

168 100

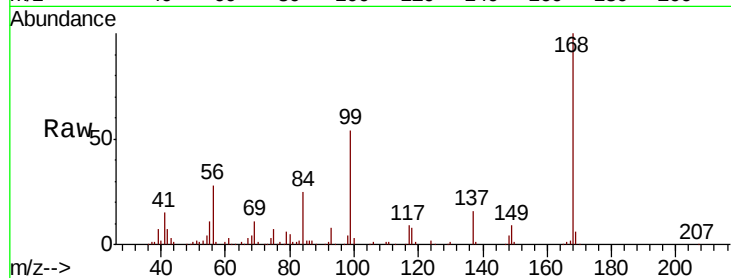
99 53.8 40.2 60.2

Manual Integrations

APPROVED

MMDadoda

9/27/2018 3:18:45 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

200000

150000

100000

50000

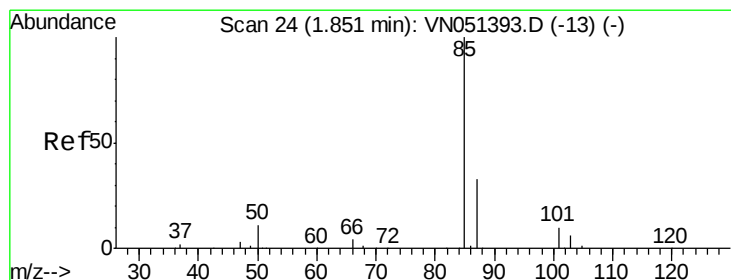
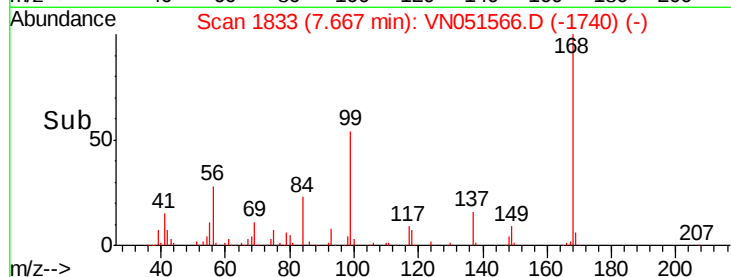
0

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.550 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051566.D

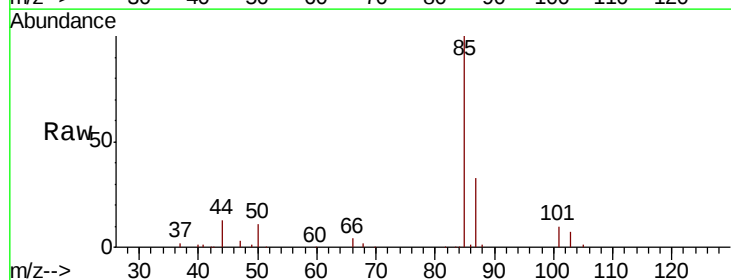
Acq: 27 Sep 2018 6:22

Tgt Ion: 85 Resp: 72880

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

50000

40000

30000

20000

10000

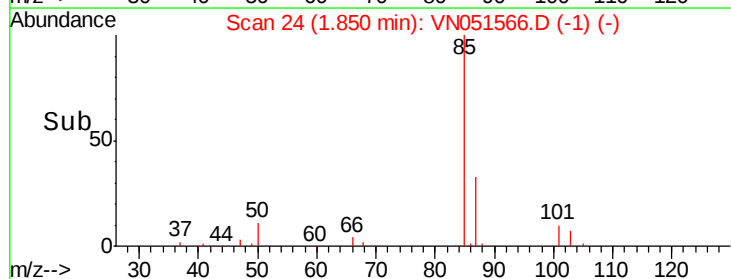
0

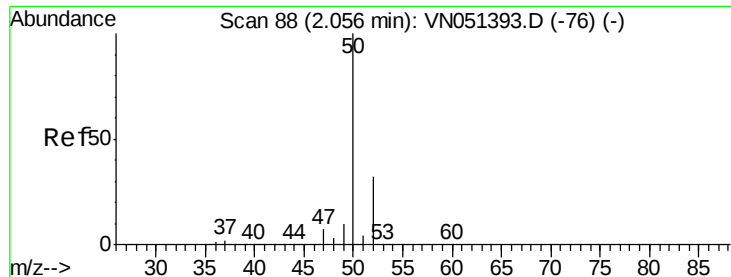
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 17.590 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD02

Tot Ion: 50 Resp: 116285

Ion Ratio Lower Upper

50 100

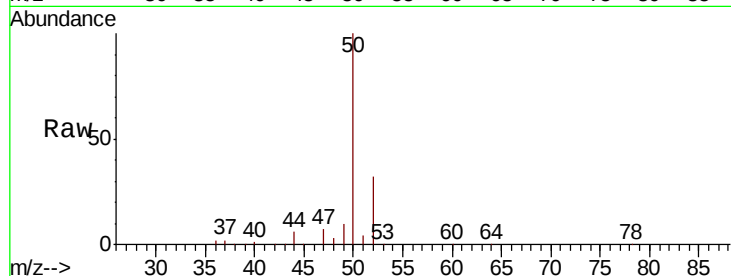
52 32.2 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

9/27/2018 3:18:45 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

100000

80000

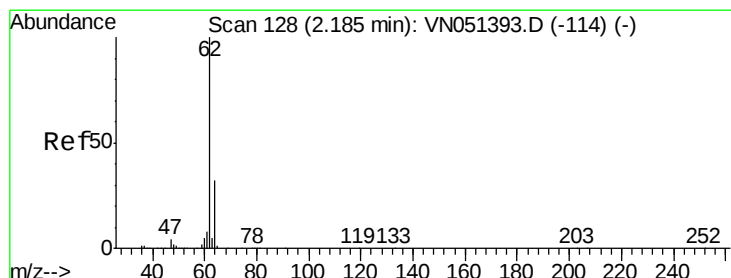
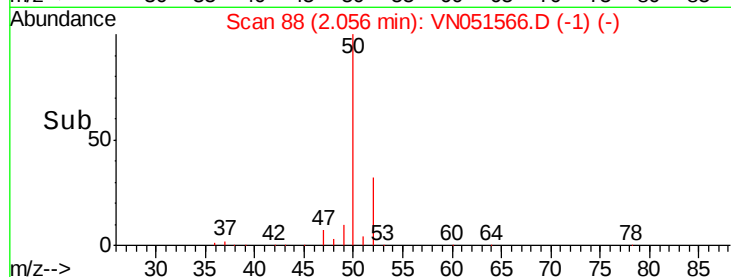
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 18.580 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051566.D

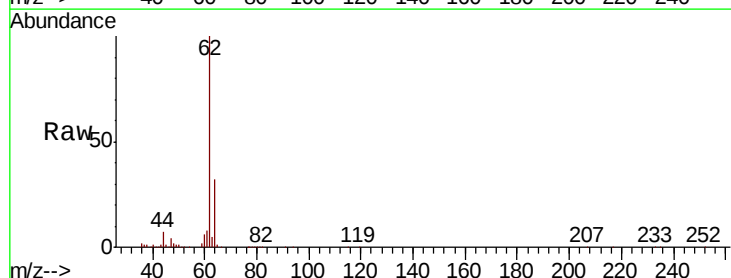
Acq: 27 Sep 2018 6:22

Tgt Ion: 62 Resp: 135565

Ion Ratio Lower Upper

62 100

64 31.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

100000

80000

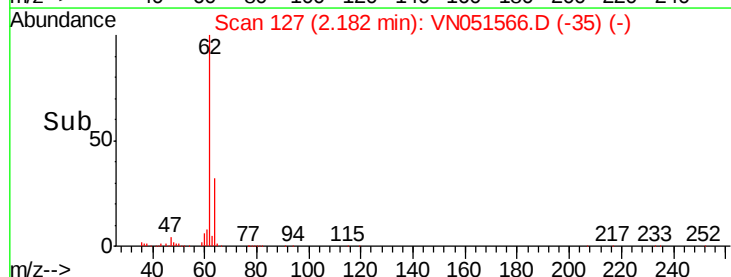
60000

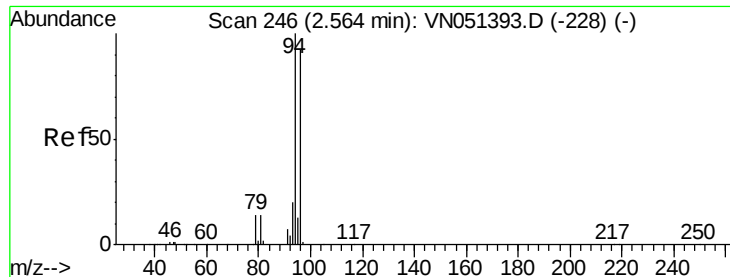
40000

20000

0

Time-->





#5

Bromomethane

Concen: 15.119 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD02

Tot Ion: 94 Resp: 65927

Ion Ratio Lower Upper

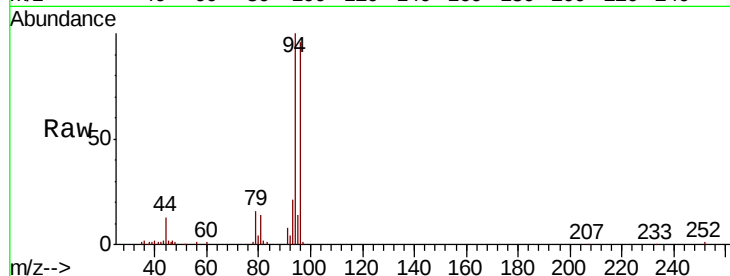
94 100

96 95.0 73.6 110.4

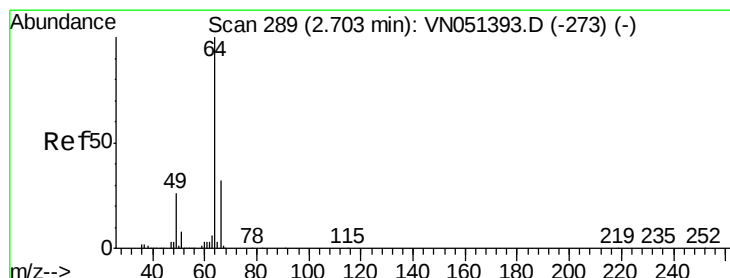
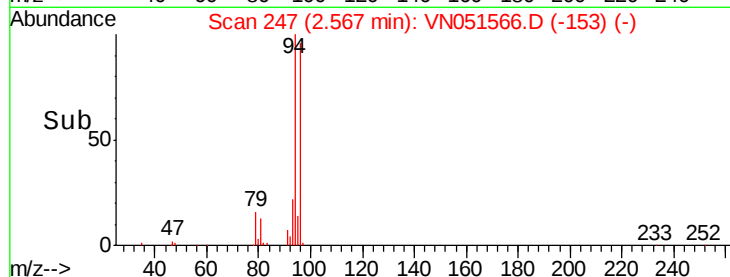
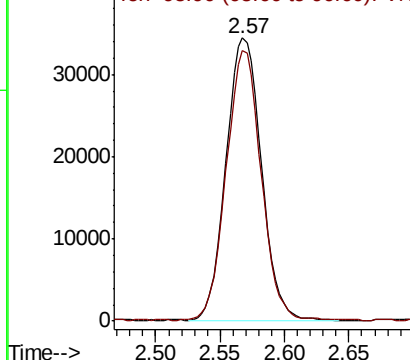
Manual Integrations
APPROVED

MMDadoda

9/27/2018 3:18:45 PM



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 13.637 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051566.D

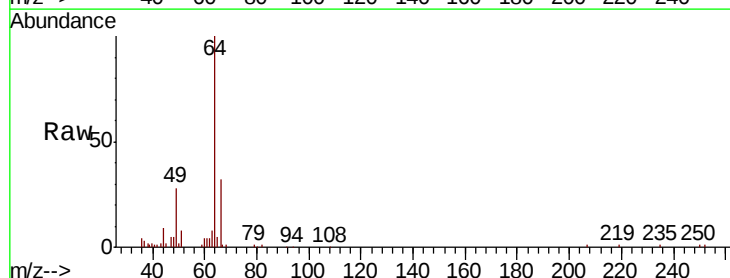
Acq: 27 Sep 2018 6:22

Tgt Ion: 64 Resp: 62000

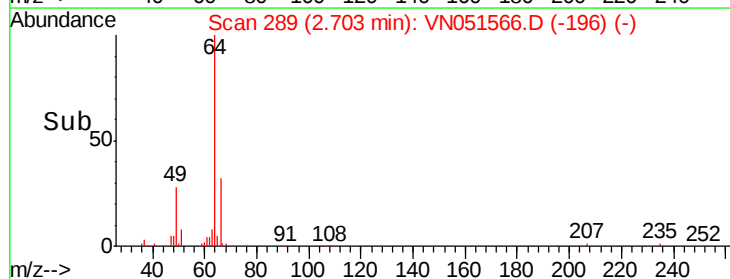
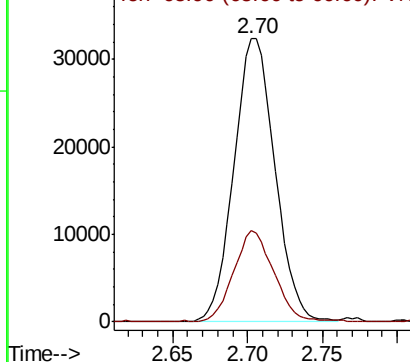
Ion Ratio Lower Upper

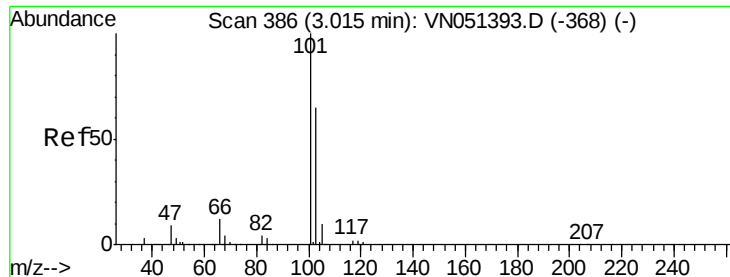
64 100

66 32.2 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO





#7

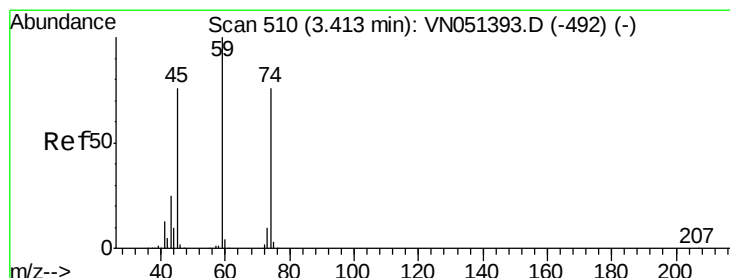
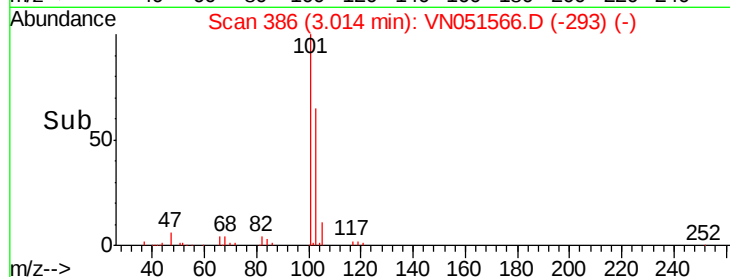
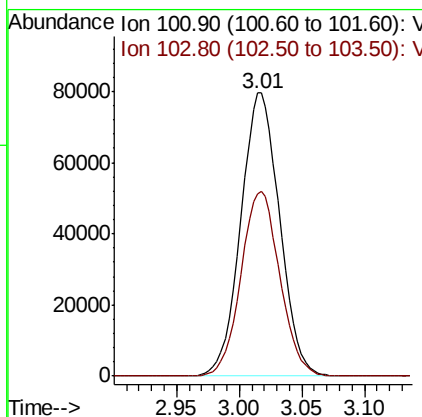
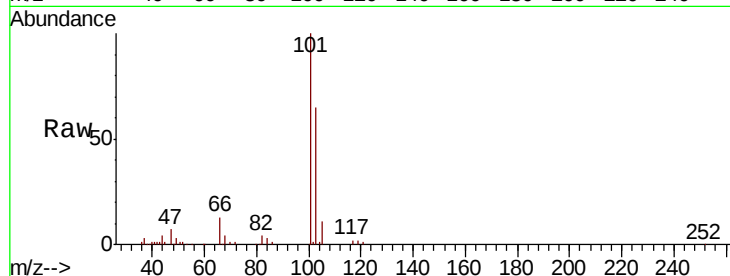
Trichlorofluoromethane
 Concen: 17.950 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		171554		
103	64.5	51.8	77.8		

Manual Integrations
 APPROVED

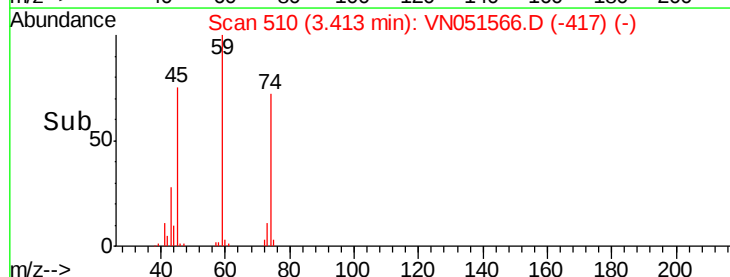
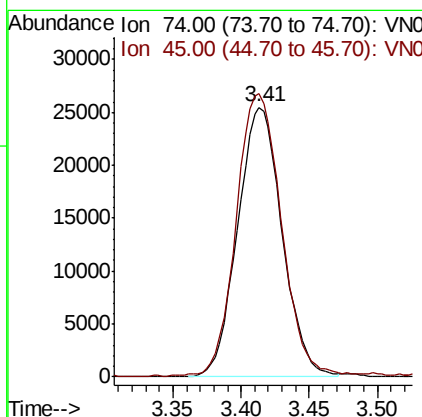
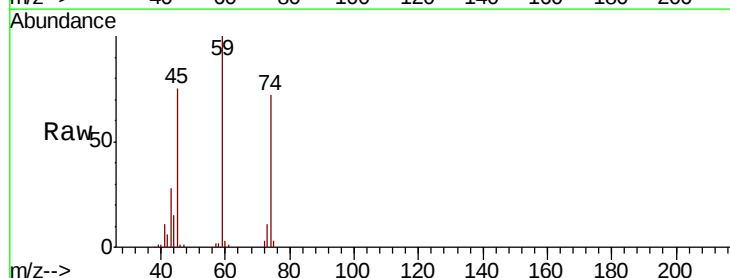
MMDadoda
 9/27/2018 3:18:45 PM

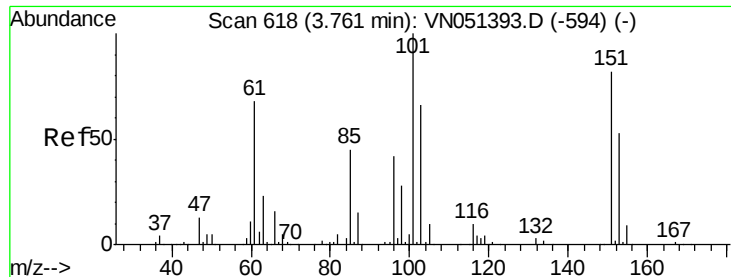


#8

Diethyl Ether
 Concen: 17.456 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		57713		
45	107.5	50.2	150.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.679 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

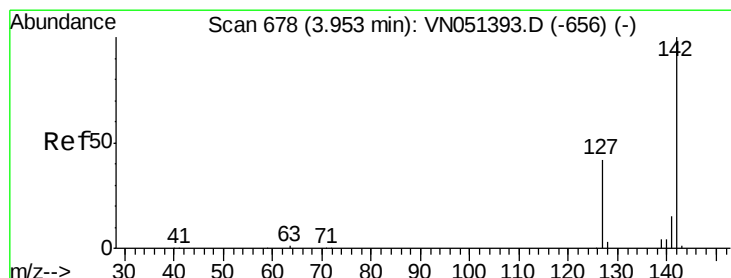
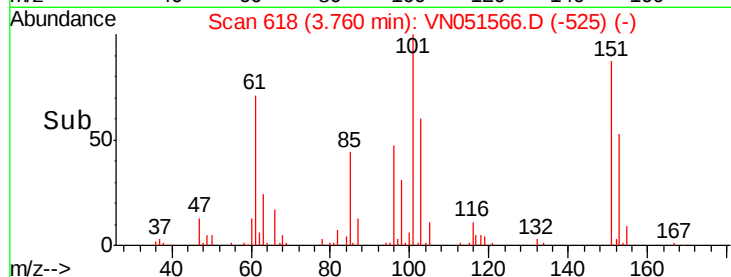
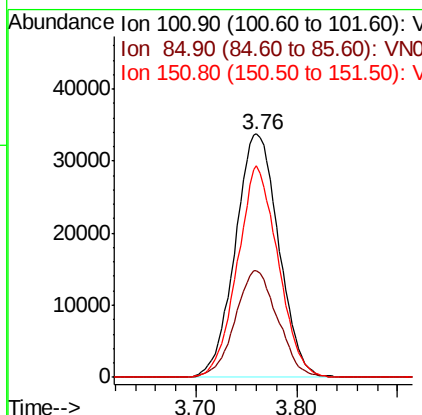
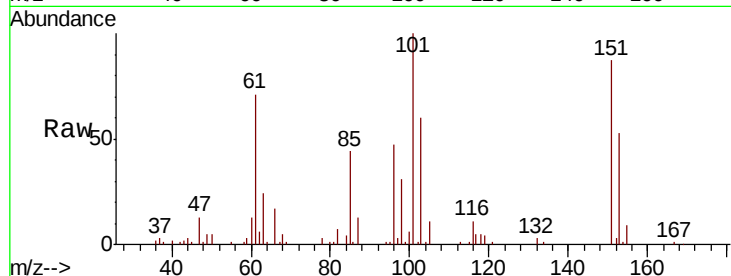
ClientSampleId :

VN0927WBSD02

Tot Ion:	101	Resp:	100750
Ion Ratio	Lower	Upper	
101	100		
85	42.9	33.9	50.9
151	81.4	65.2	97.8

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:18:45 PM



#10

Methyl Iodide

Concen: 15.465 ug/l

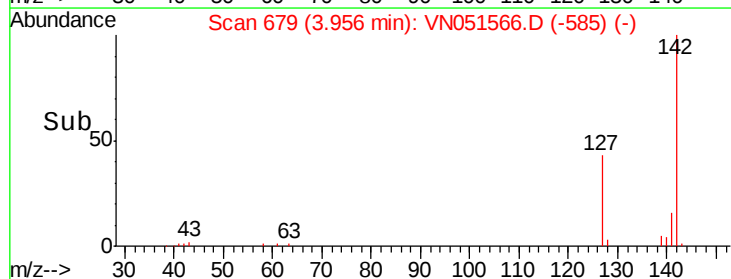
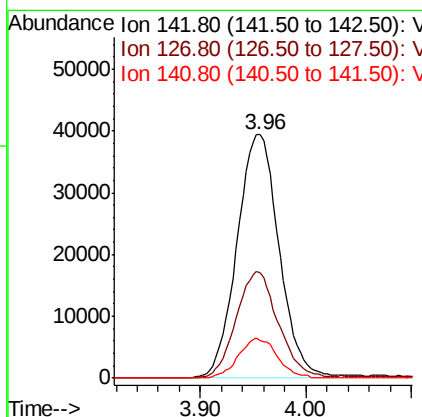
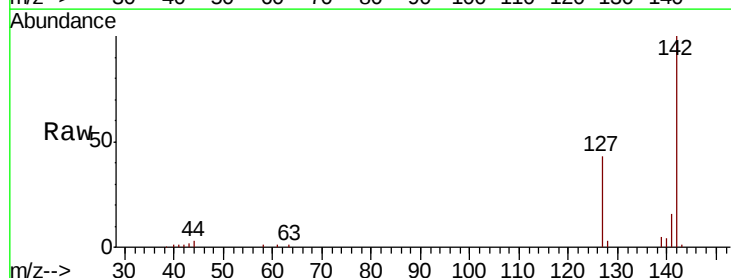
RT: 3.96 min Scan# 679

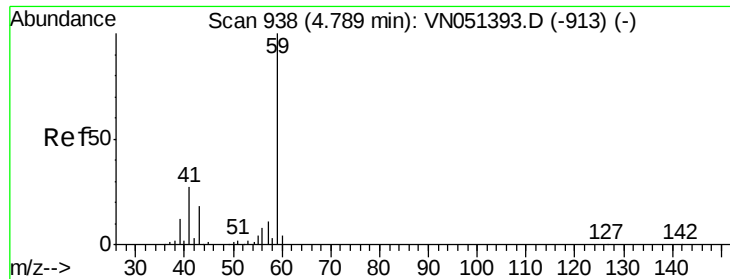
Delta R.T. 0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Tgt Ion:	142	Resp:	109432
Ion Ratio	Lower	Upper	
142	100		
127	43.6	33.2	49.8
141	15.0	11.5	17.3





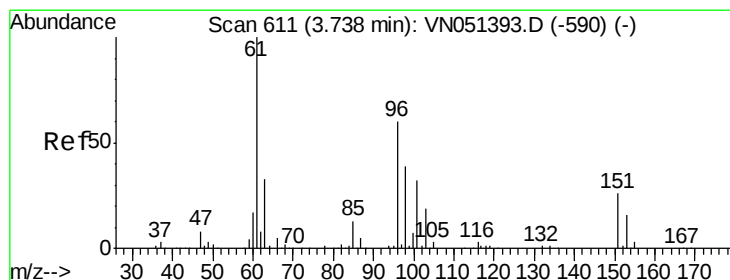
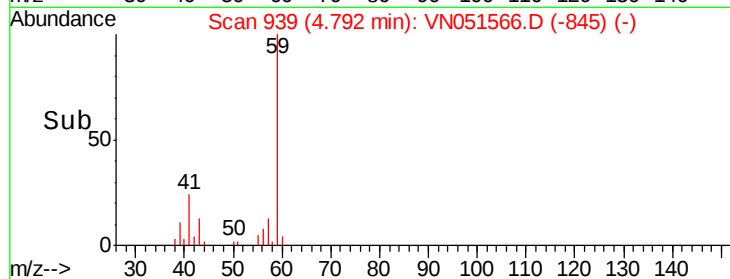
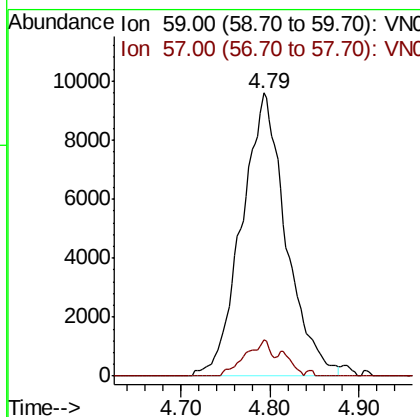
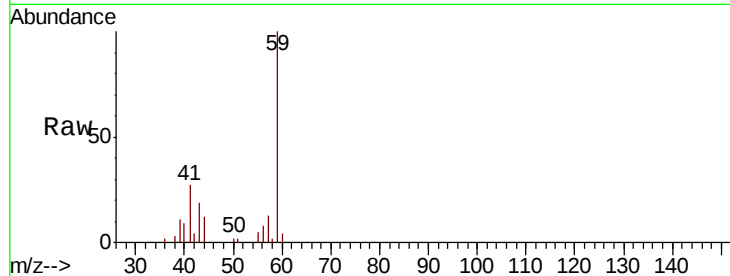
#11
Tert butyl alcohol
Concen: 105.410 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

Tot Ion: 59 Resp: 33172
Ion Ratio Lower Upper
59 100
57 7.5 6.2 9.2

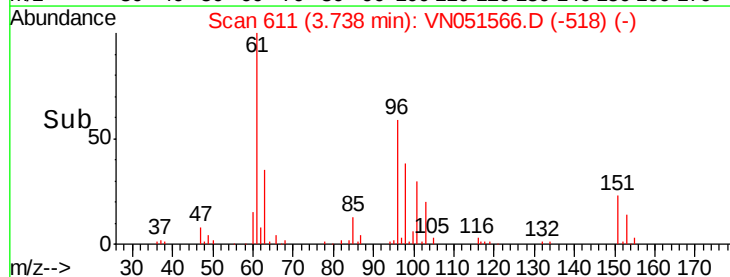
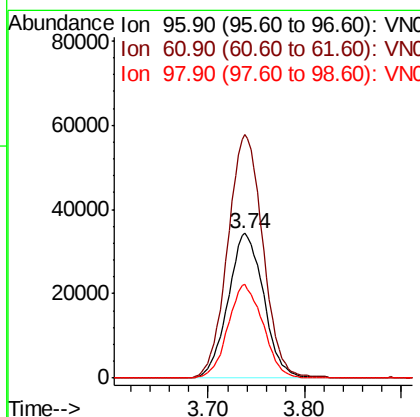
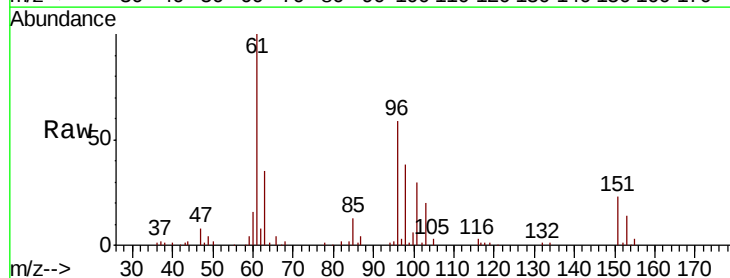
Manual Integrations
APPROVED

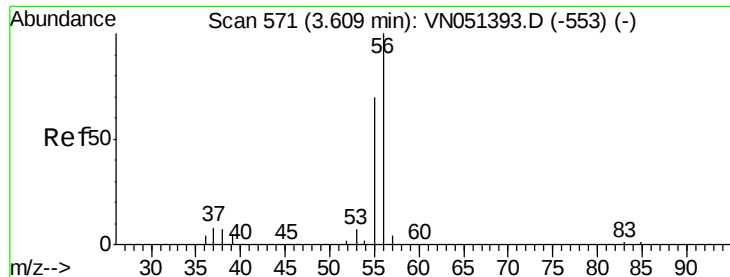
MMDadoda
9/27/2018 3:18:45 PM



#12
1,1-Dichloroethene
Concen: 17.746 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion: 96 Resp: 87889
Ion Ratio Lower Upper
96 100
61 168.2 133.6 200.4
98 64.4 52.2 78.2





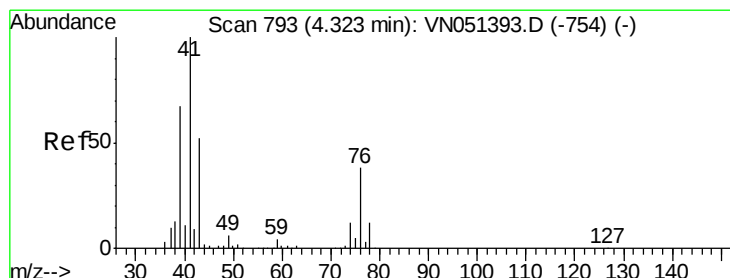
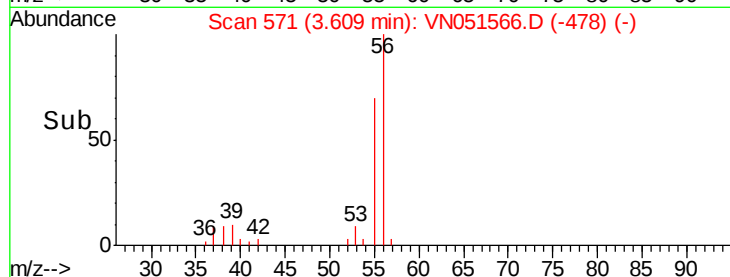
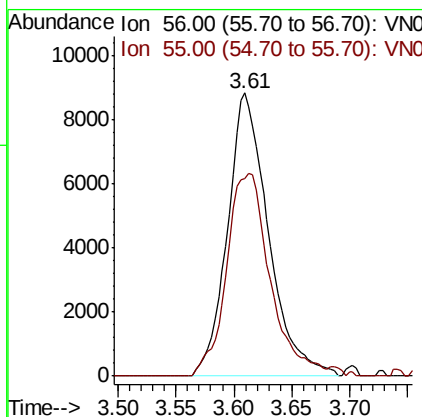
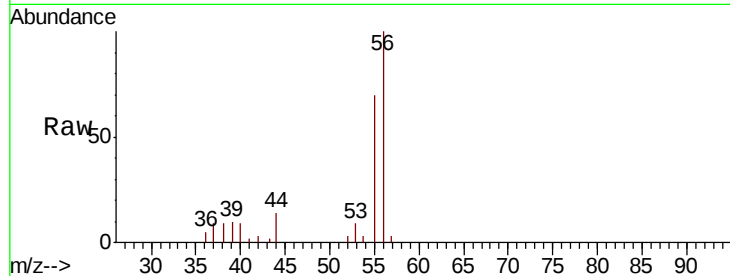
#13
Acrolein
Concen: 69.128 ug/l
RT: 3.61 min Scan# 571
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
55	76.1	57.8	86.8

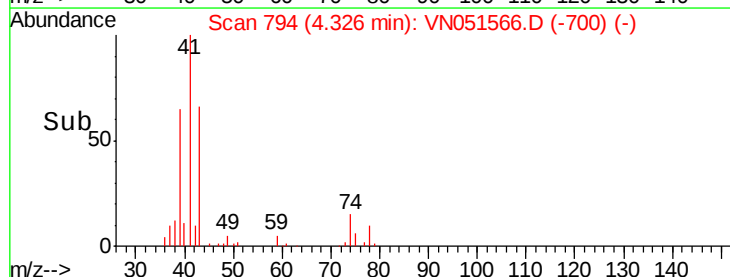
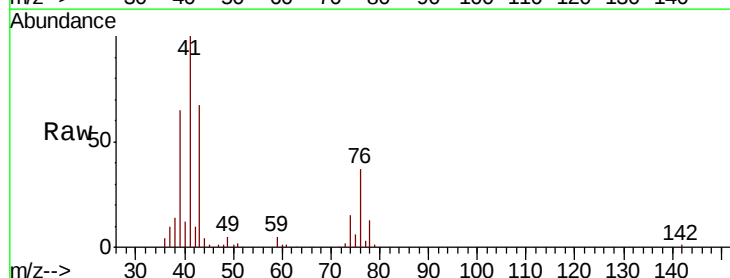
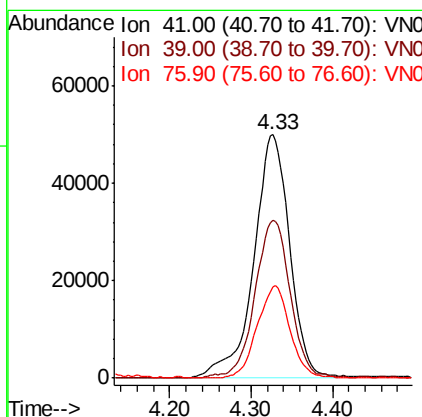
Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:18:45 PM



#14
Allyl chloride
Concen: 18.407 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.7	51.4	77.2
76	34.6	28.1	42.1





#15

Acrylonitrile

Concen: 104.545 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

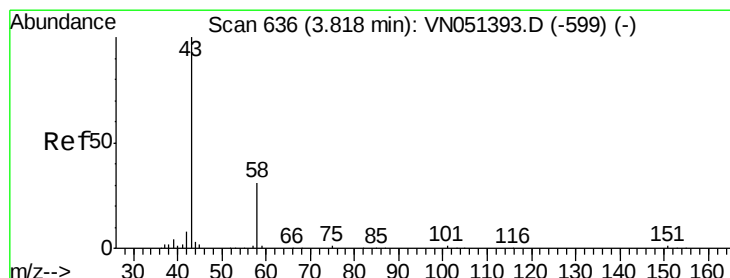
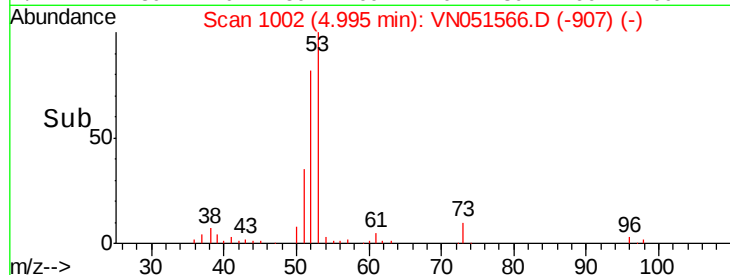
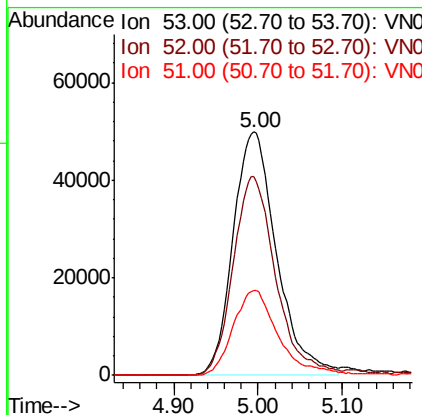
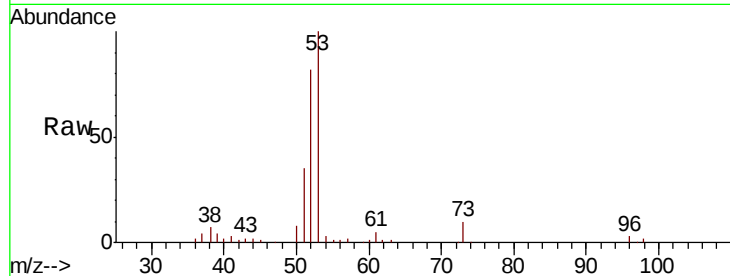
ClientSampleId :

VN0927WBSD02

Tot Ion:	53	Resp:	178969
Ion	Ratio	Lower	Upper
53	100		
52	79.7	66.2	99.2
51	36.3	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:18:45 PM



#16

Acetone

Concen: 87.890 ug/l

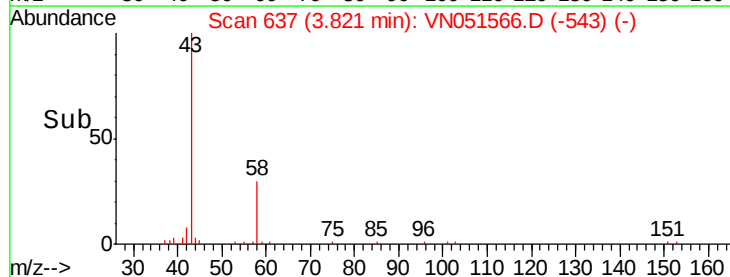
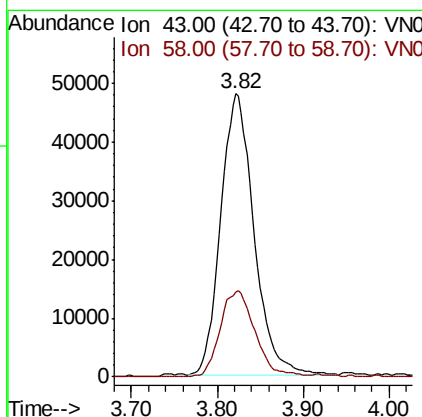
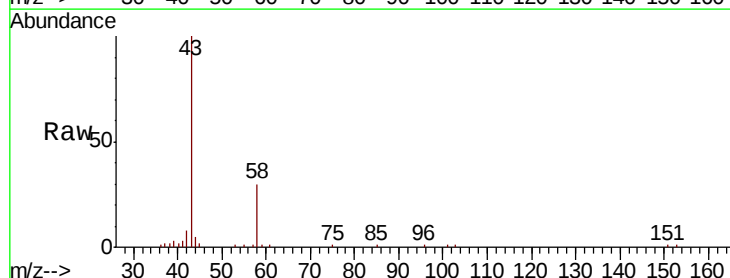
RT: 3.82 min Scan# 637

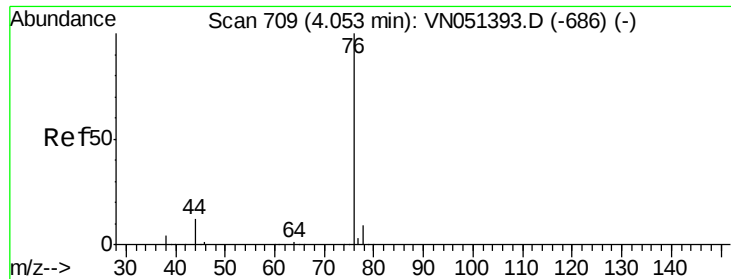
Delta R.T. 0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Tgt Ion:	43	Resp:	128238
Ion	Ratio	Lower	Upper
43	100		
58	30.1	25.0	37.4





#17

Carbon Disulfide

Concen: 16.217 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleID :

VN0927WBSD02

Tot Ion: 76 Resp: 235965

Ion Ratio Lower Upper

76 100

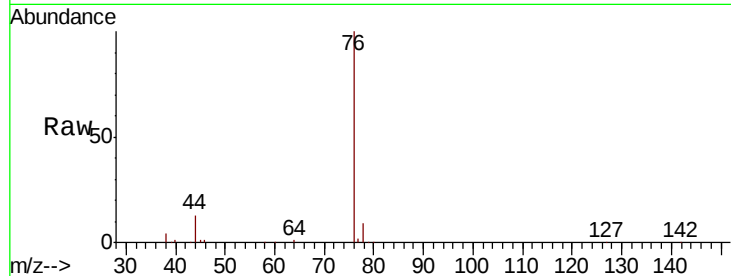
78 9.5 7.3 10.9

Manual Integrations

APPROVED

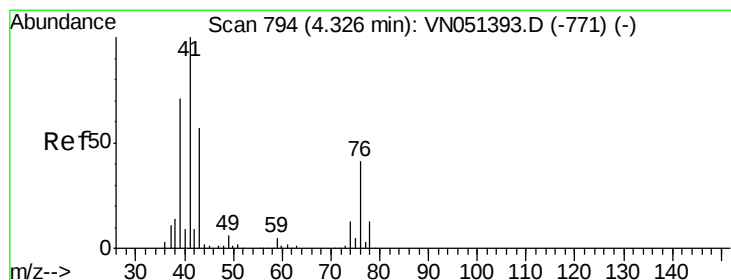
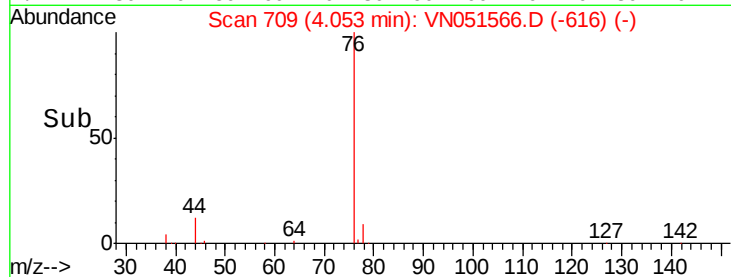
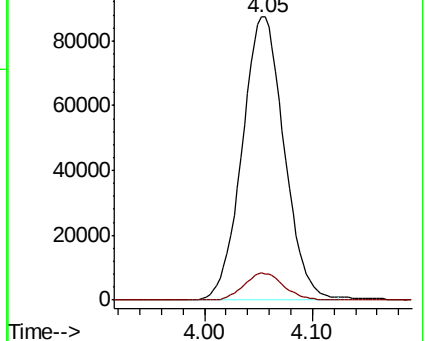
MMDadoda

9/27/2018 3:18:45 PM



Abundance Ion 75.90 (75.60 to 76.60): VN051393.D (-686) (-)

Ion 77.90 (77.60 to 78.60): VN051393.D (-686) (-)



#18

Methyl Acetate

Concen: 24.461 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051566.D

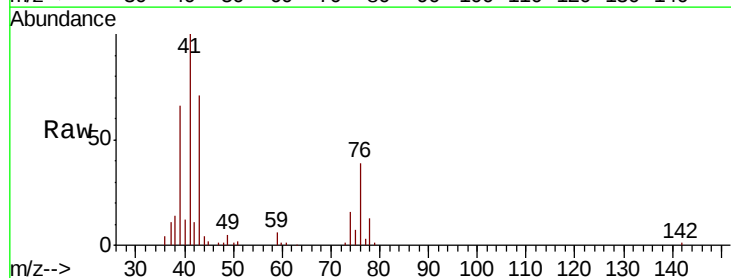
Acq: 27 Sep 2018 6:22

Tgt Ion: 43 Resp: 103877

Ion Ratio Lower Upper

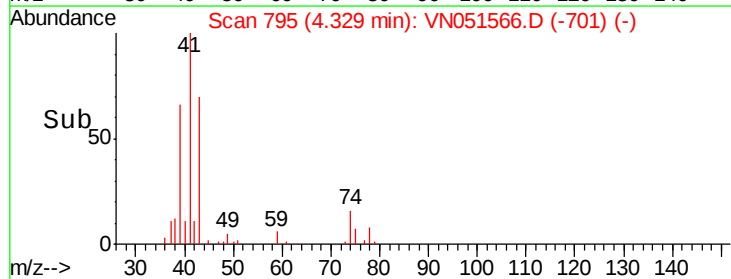
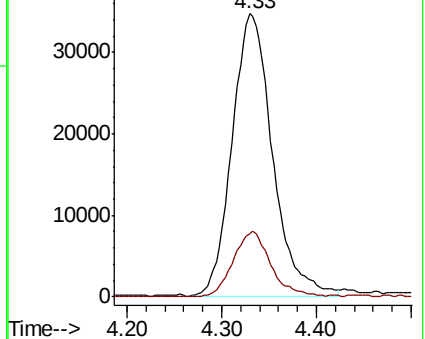
43 100

74 21.4 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN051393.D (-771) (-)





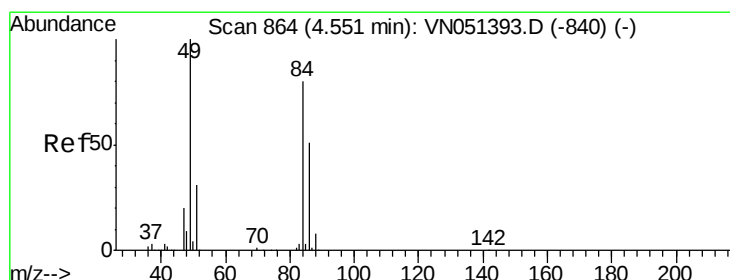
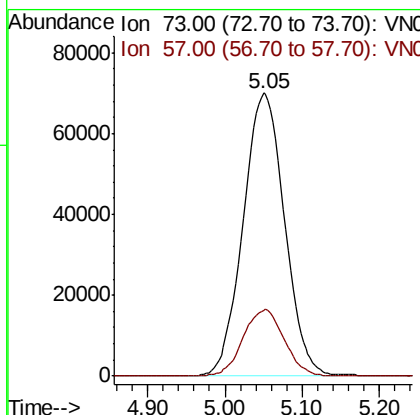
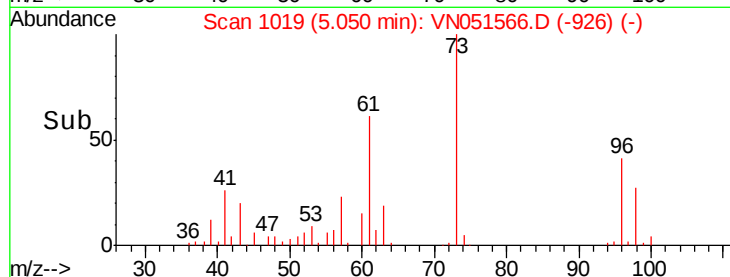
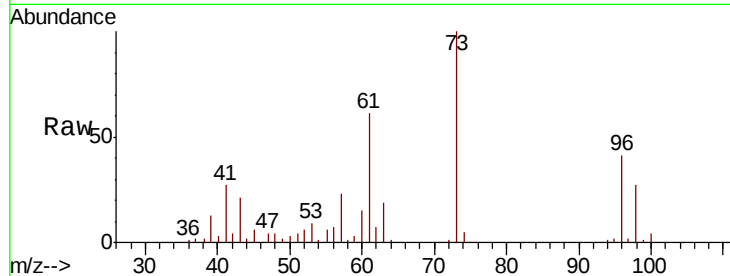
#19
Methvl tert-butvl Ether
Concen: 20.425 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

Tot Ion: 73 Resp: 260847
Ion Ratio Lower Upper
73 100
57 23.1 18.3 27.5

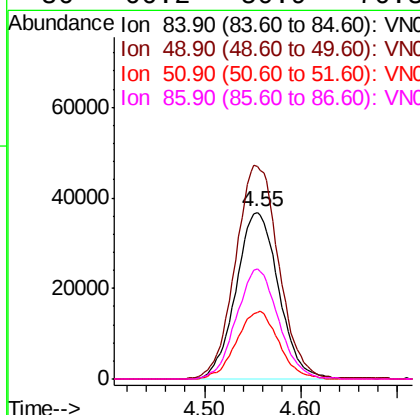
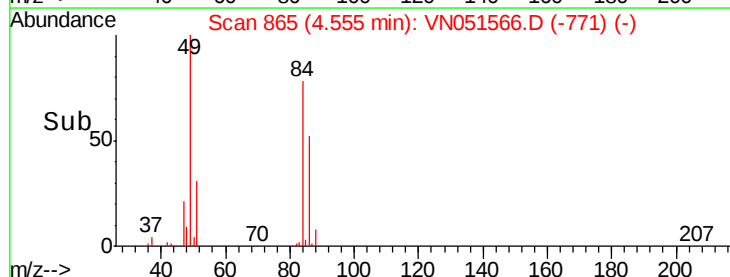
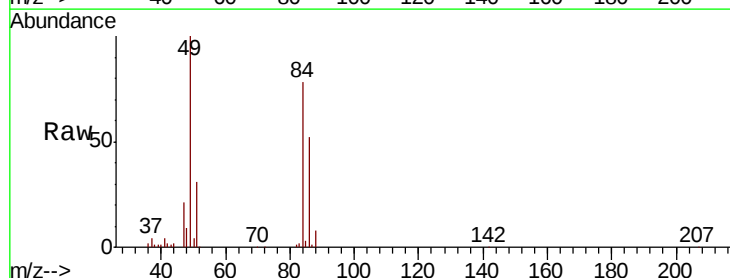
Manual Integrations
APPROVED

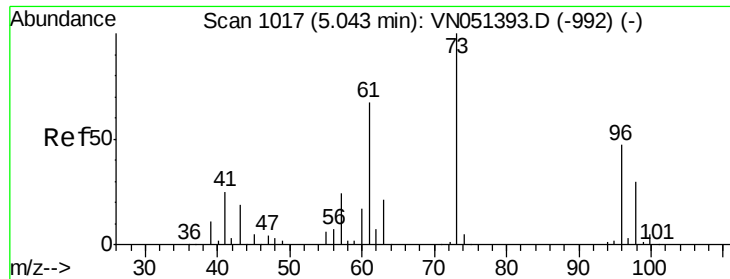
MMDadoda
9/27/2018 3:18:45 PM



#20
Methylene Chloride
Concen: 20.389 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion: 84 Resp: 112499
Ion Ratio Lower Upper
84 100
49 127.2 99.9 149.9
51 39.9 31.4 47.2
86 66.2 50.9 76.3





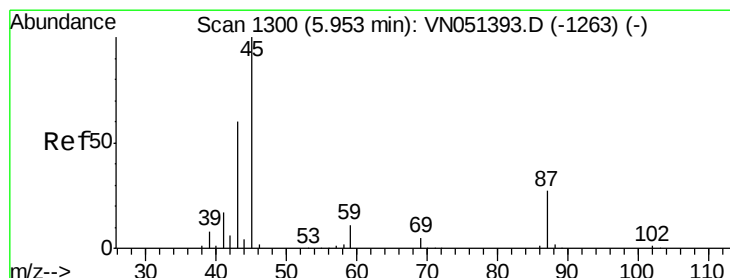
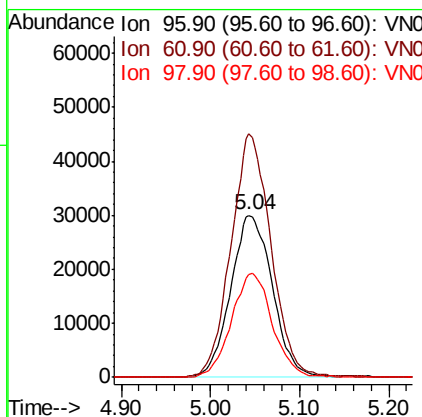
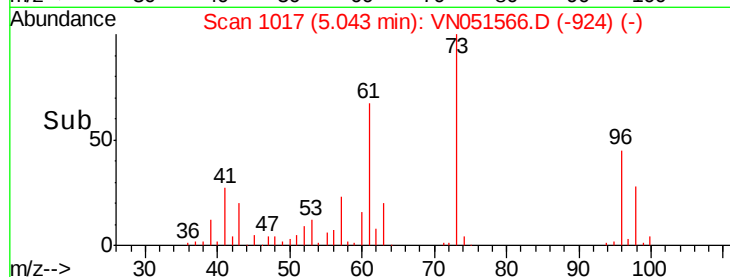
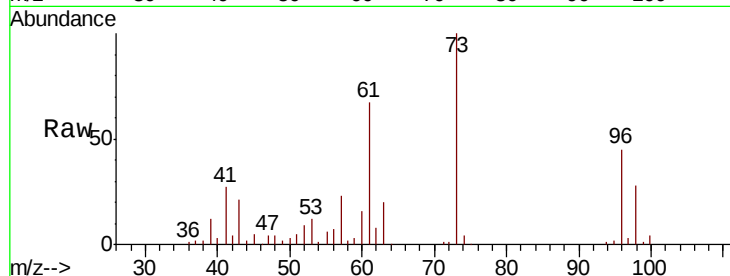
#21
trans-1,2-Dichloroethene
Concen: 19.228 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.6	113.4	170.2
98	63.7	51.1	76.7

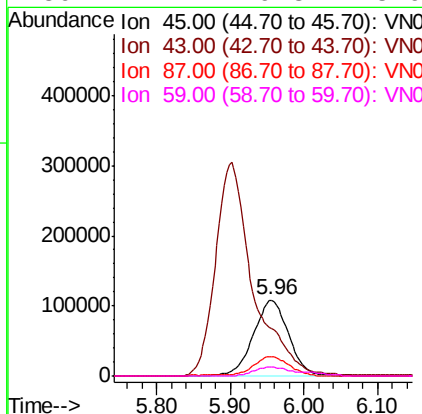
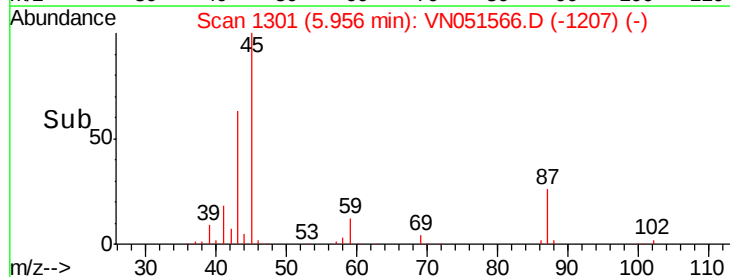
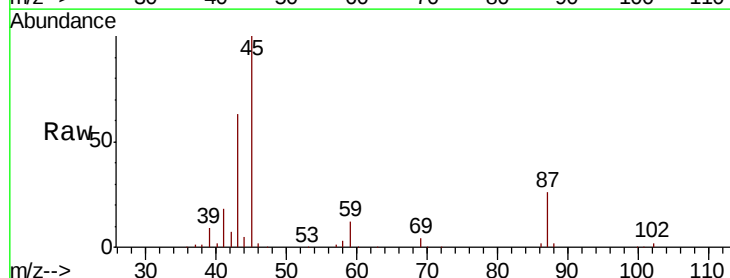
Manual Integrations
APPROVED

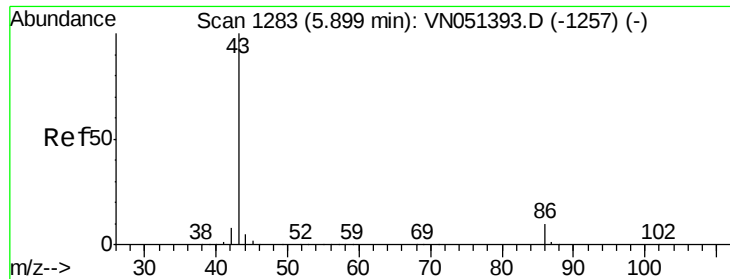
MMDadoda
9/27/2018 3:18:45 PM



#22
Diisopropyl ether
Concen: 22.493 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.5	47.7	71.5
87	25.7	22.0	33.0
59	11.7	9.3	13.9





#23

Vinyl Acetate

Concen: 102.947 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD02

Tot Ion: 43 Resp: 1085557

Ion Ratio Lower Upper

43 100

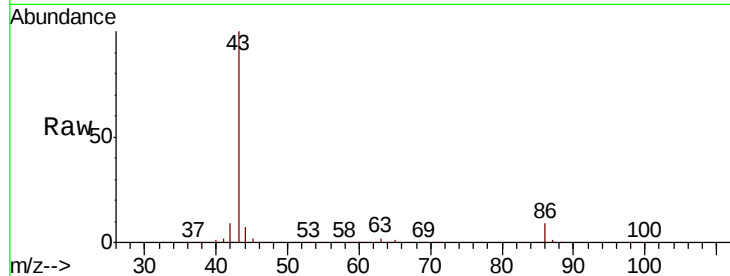
86 9.1 8.2 12.2

Manual Integrations

APPROVED

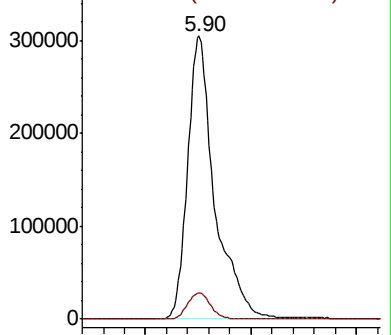
MMDadoda

9/27/2018 3:18:45 PM

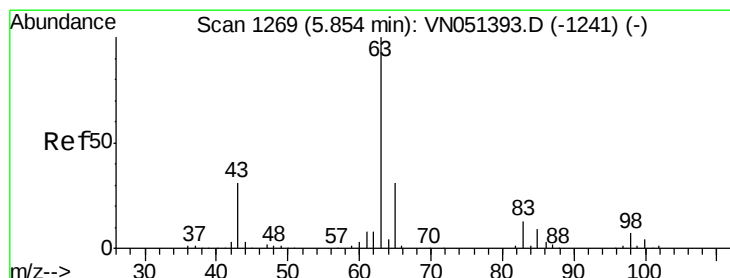
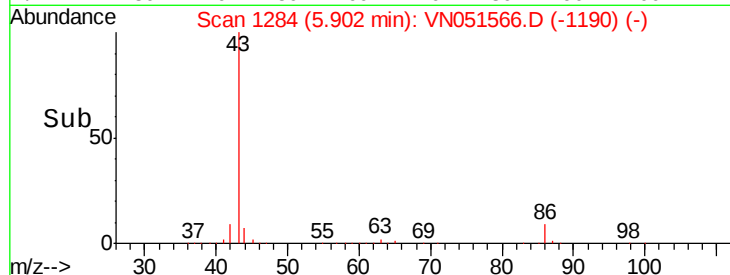


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 21.695 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

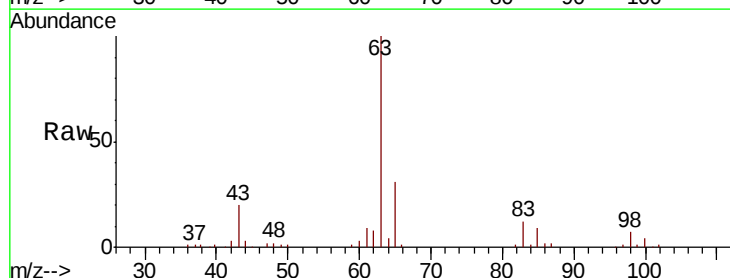
Tgt Ion: 63 Resp: 207914

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

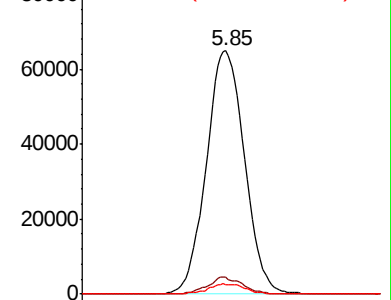
100 4.1 2.2 6.6



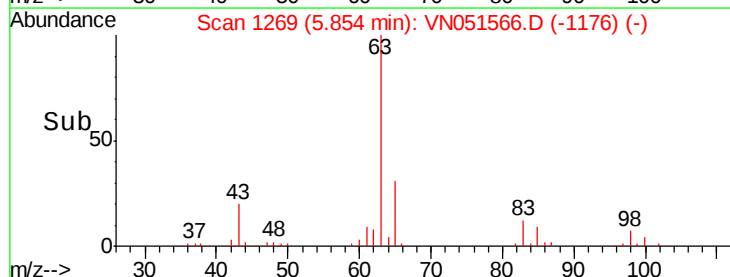
Abundance Ion 62.90 (62.60 to 63.60): VN0

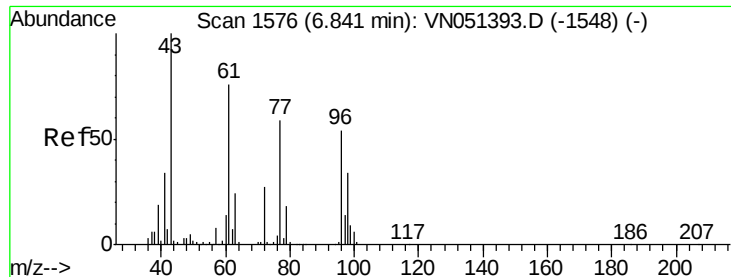
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 103.001 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD02

Tot Ion: 43 Resp: 196579

Ion Ratio Lower Upper

43 100

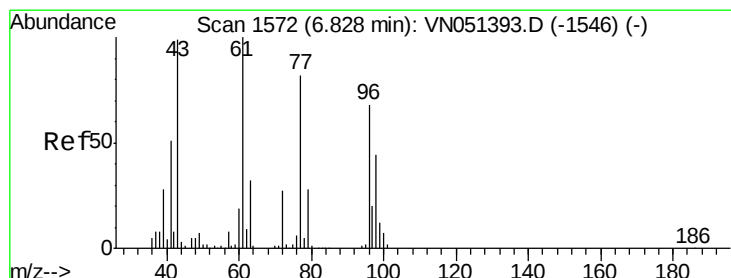
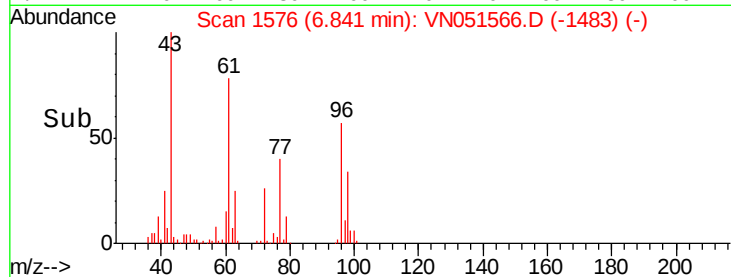
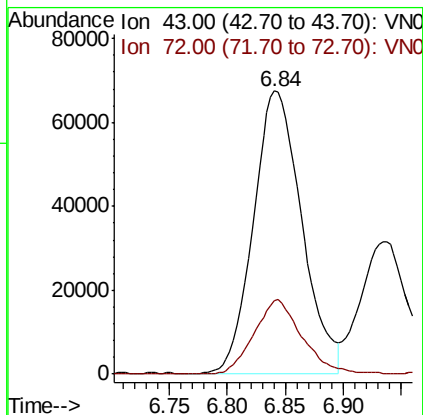
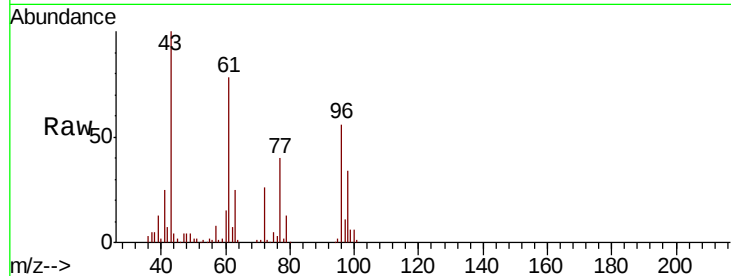
72 25.8 21.8 32.6

Manual Integrations

APPROVED

MMDadoda

9/27/2018 3:18:45 PM



#26

2,2-Dichloropropane

Concen: 13.368 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051566.D

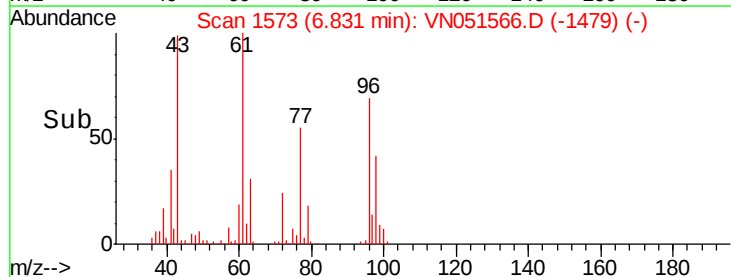
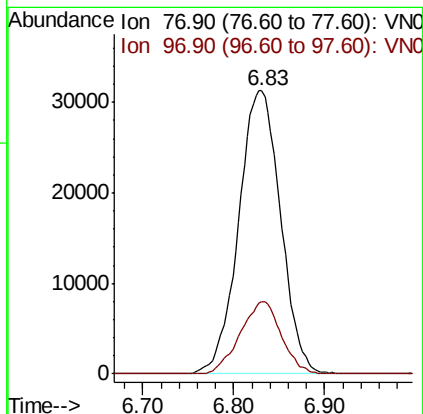
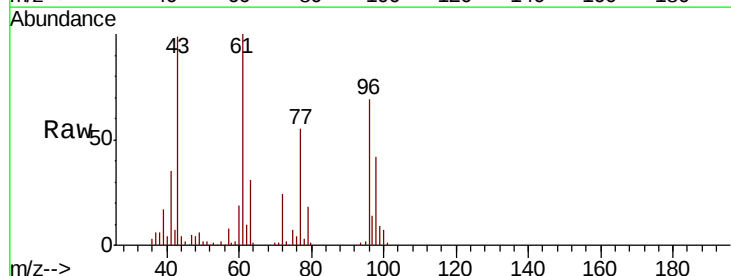
Acq: 27 Sep 2018 6:22

Tgt Ion: 77 Resp: 100001

Ion Ratio Lower Upper

77 100

97 25.0 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 20.411 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

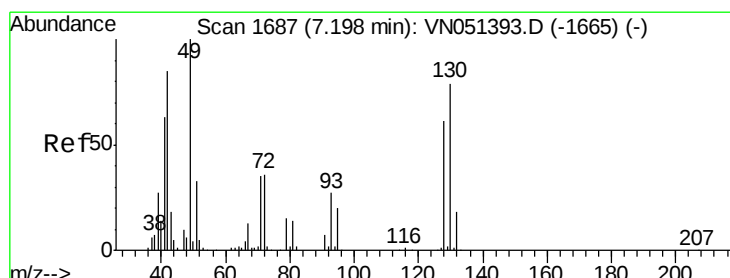
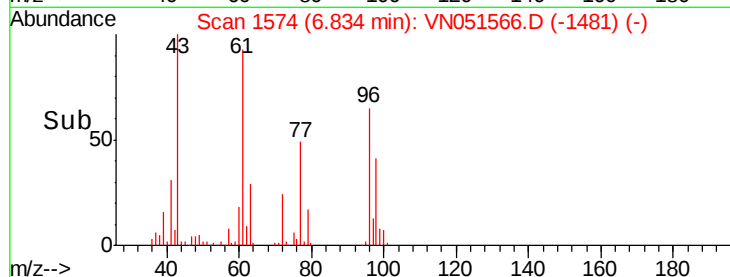
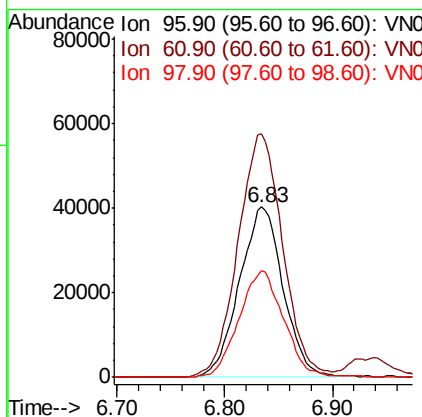
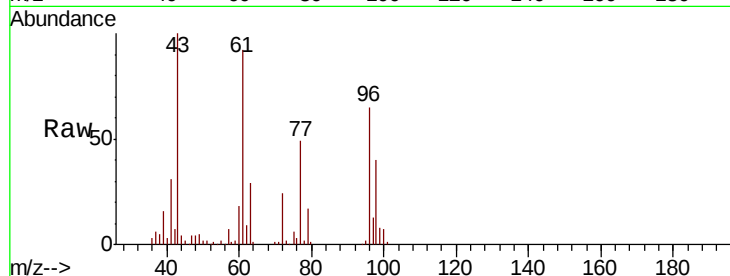
ClientSampleId :

VN0927WBSD02

Tot Ion:	96	Resp:	113464
Ion	Ratio	Lower	Upper
96	100		
61	146.4	0.0	291.4
98	63.6	0.0	128.4

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:18:45 PM



#28

Bromochloromethane

Concen: 23.351 ug/l

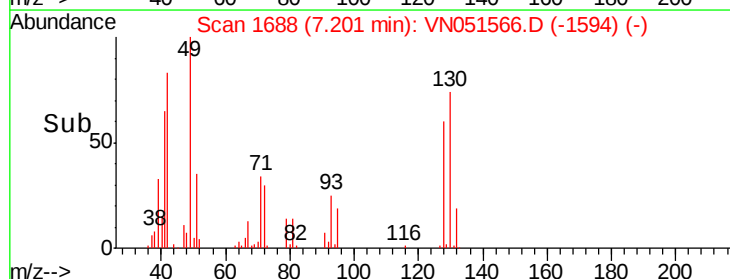
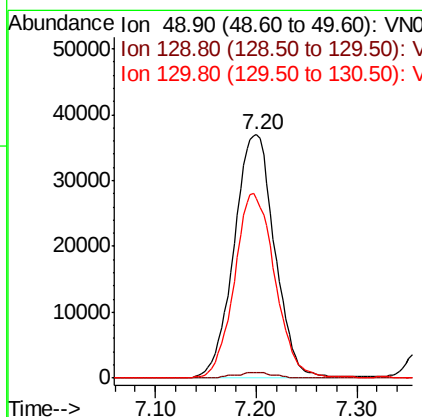
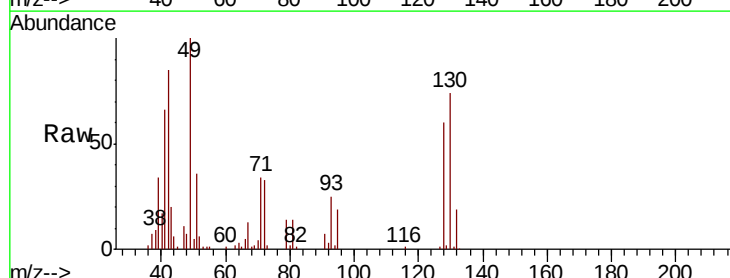
RT: 7.20 min Scan# 1688

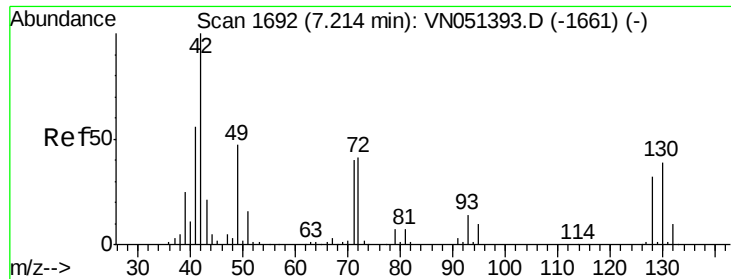
Delta R.T. 0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Tgt Ion:	49	Resp:	103342
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	75.8	63.0	94.4





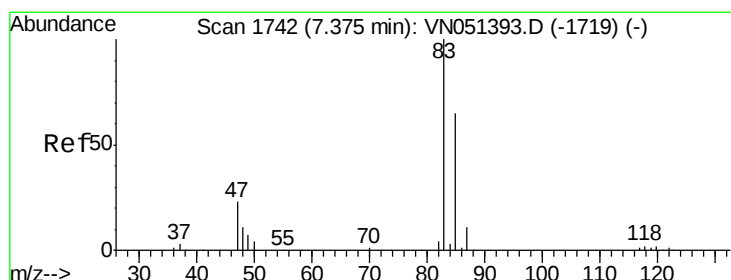
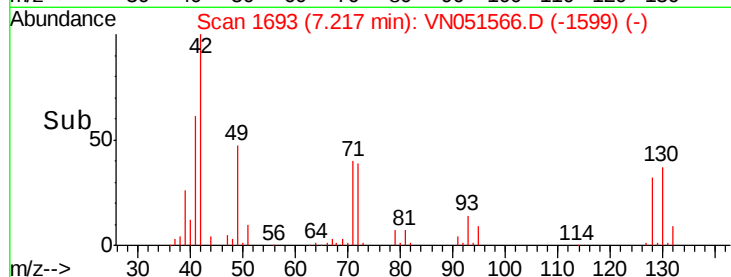
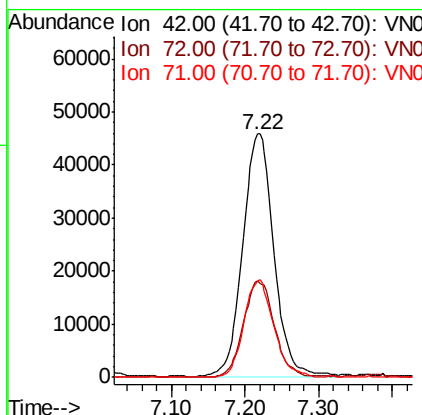
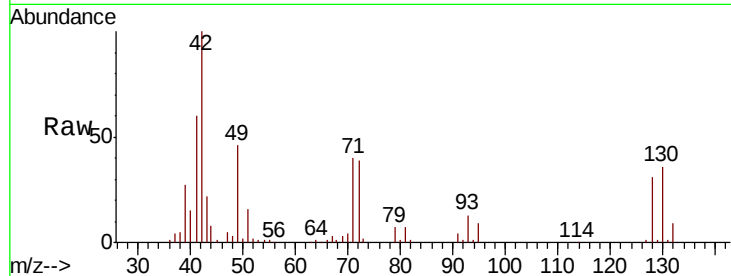
#29
Tetrahydrofuran
Concen: 112.591 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.1	34.3	51.5
71	38.1	32.2	48.4

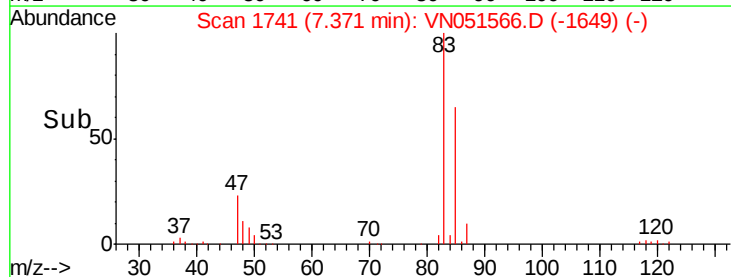
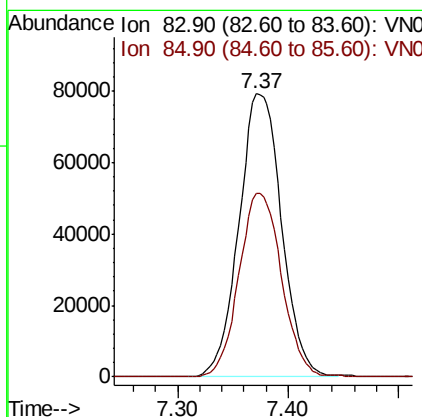
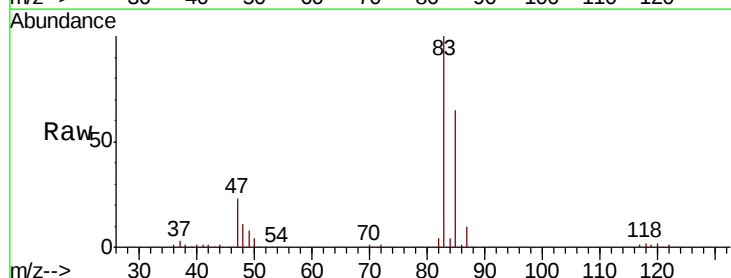
Manual Integrations
APPROVED

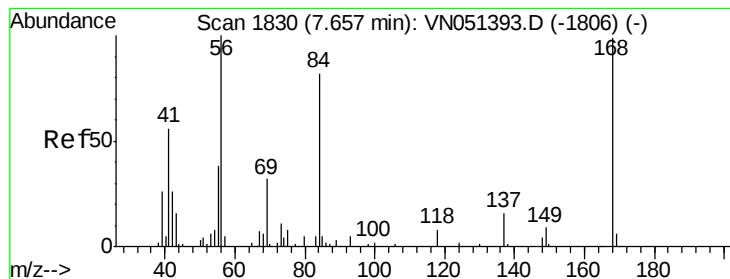
MMDadoda
9/27/2018 3:18:45 PM



#30
Chloroform
Concen: 22.350 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.6





#31

Cyclohexane

Concen: 18.416 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

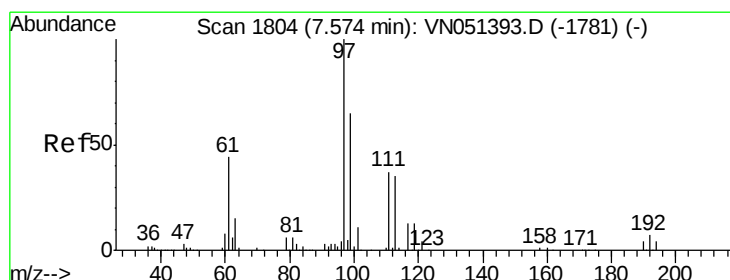
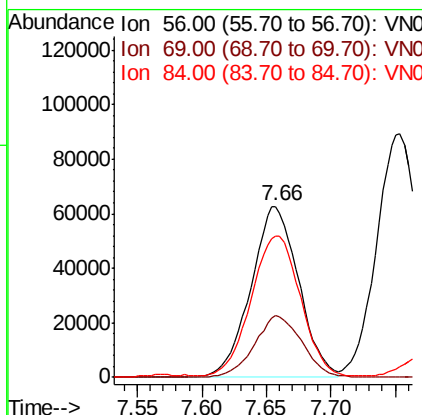
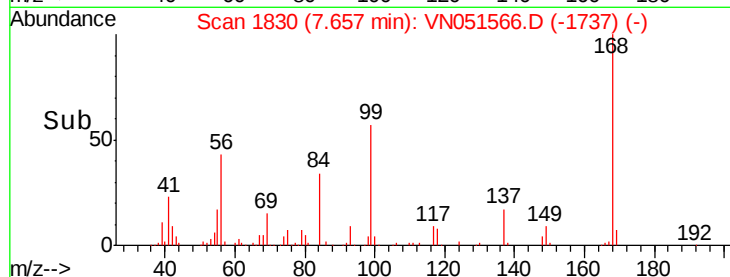
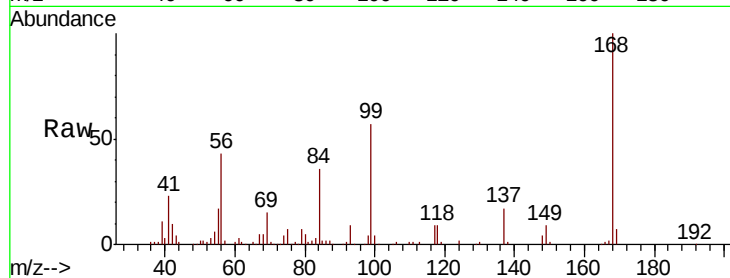
ClientSampleId :

VN0927WBSD02

Tot Ion:	56	Resp:	161693
Ion	Ratio	Lower	Upper
56	100		
69	36.1	25.8	38.6
84	81.5	66.0	99.0

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:18:45 PM



#32

1,1,1-Trichloroethane

Concen: 21.692 ug/l

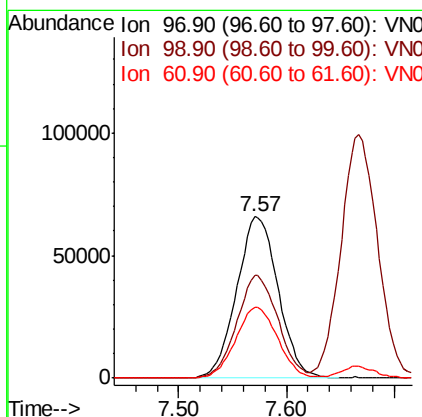
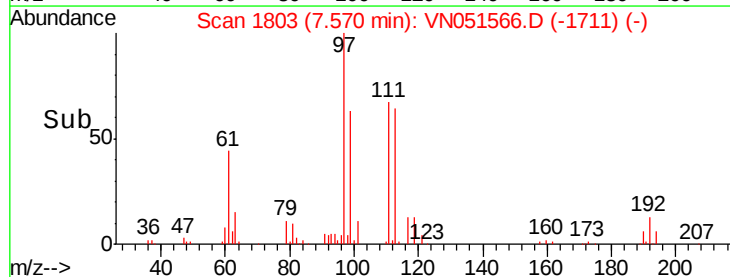
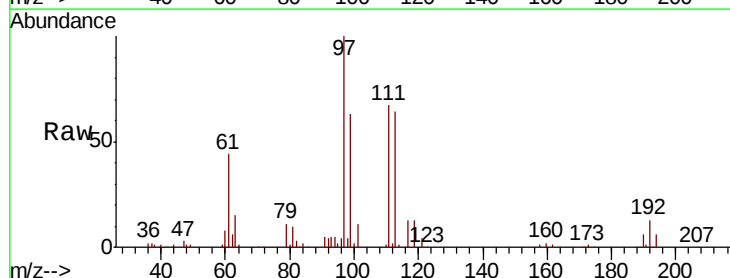
RT: 7.57 min Scan# 1803

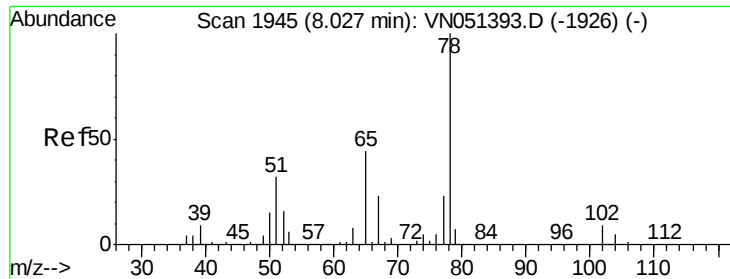
Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Tgt Ion:	97	Resp:	176095
Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.4	77.0
61	44.1	35.8	53.8





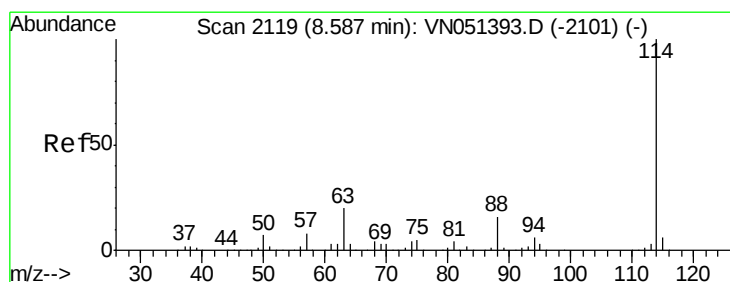
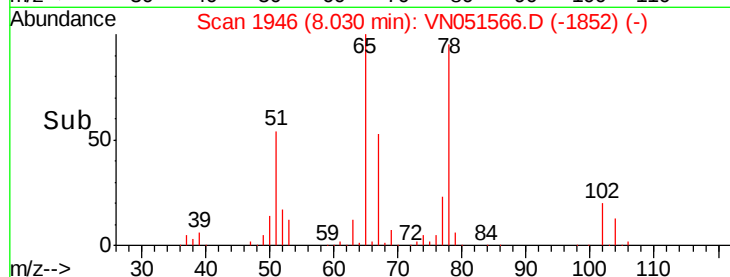
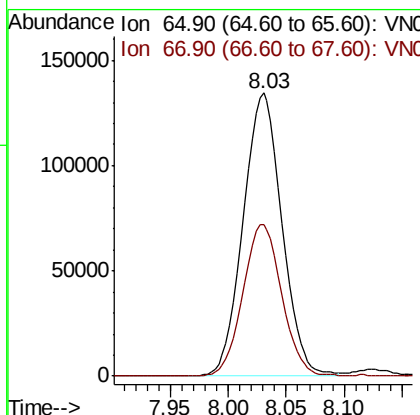
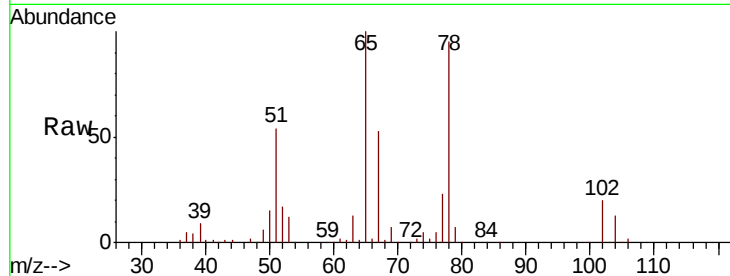
#33
 1,2-Dichloroethane-d4
 Concen: 56.191 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD02

Tot Ion: 65 Resp: 313319
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.8

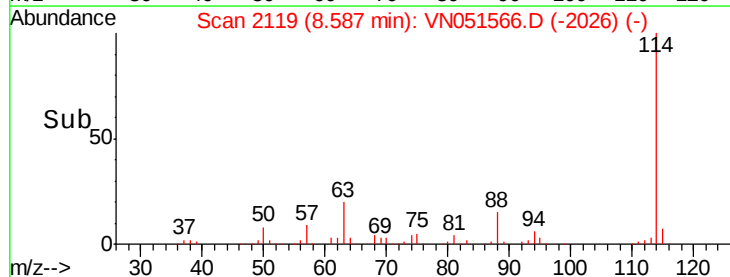
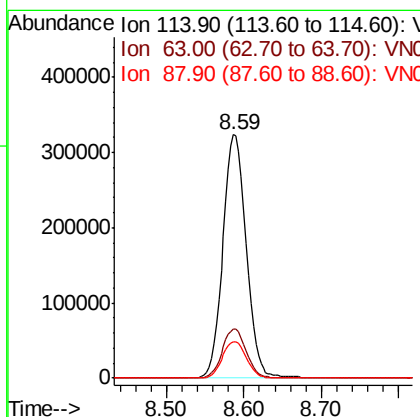
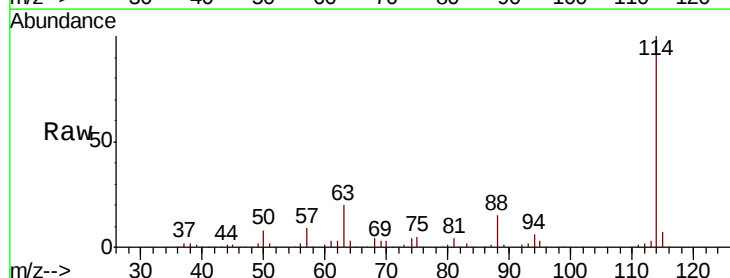
Manual Integrations
 APPROVED

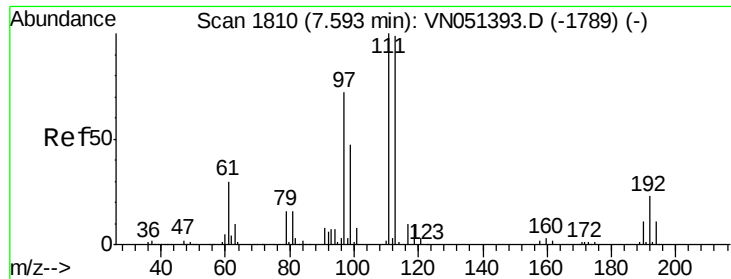
MMDadoda
 9/27/2018 3:18:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

Tgt Ion: 114 Resp: 680447
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.2
 88 14.9 0.0 31.4





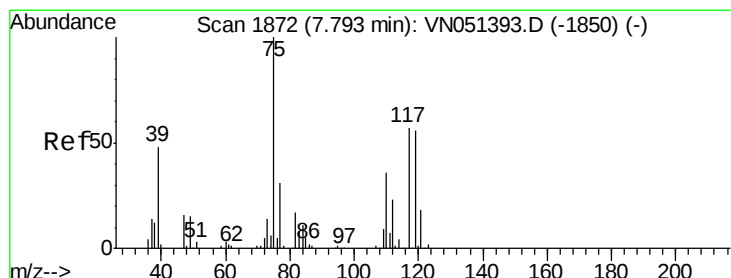
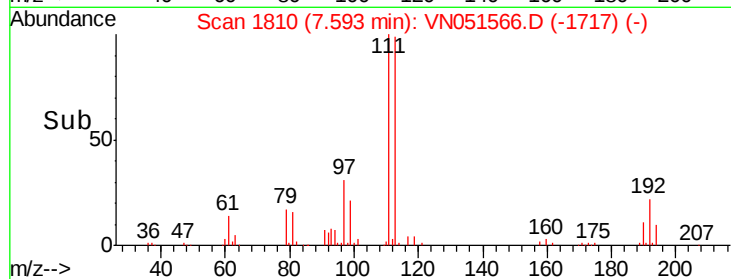
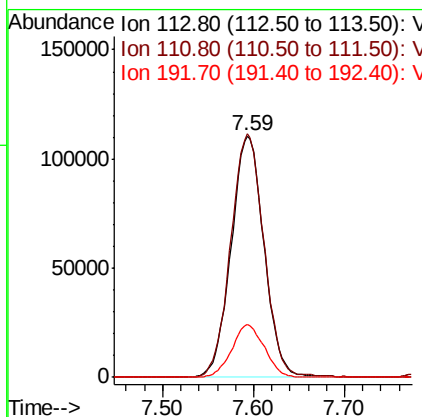
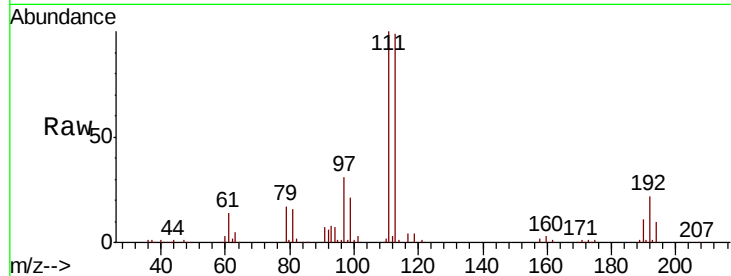
#35
Dibromofluoromethane
Concen: 50.985 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	277419		
111	102.0	82.6	123.8	
192	21.7	18.0	27.0	

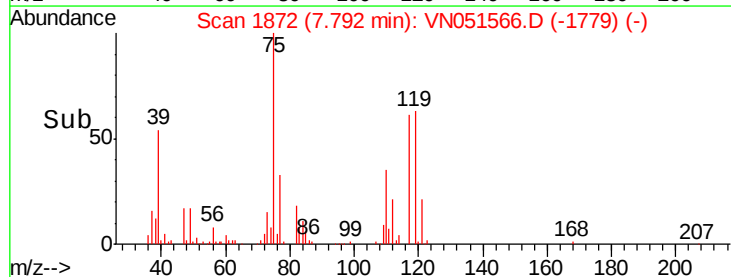
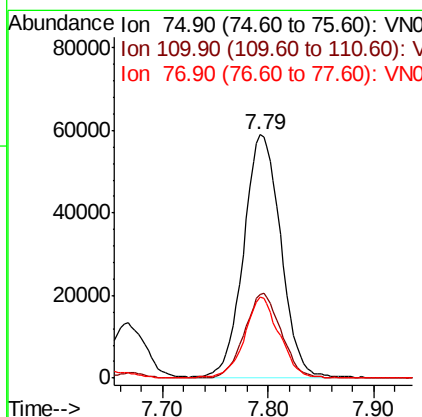
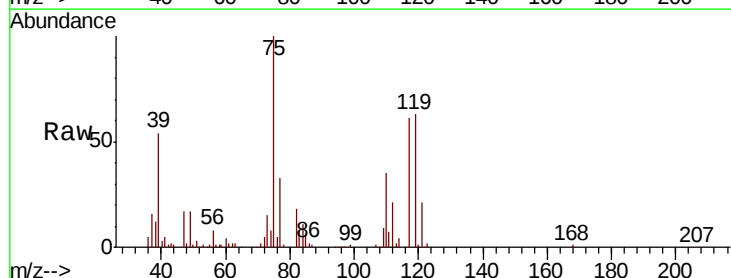
Manual Integrations
APPROVED

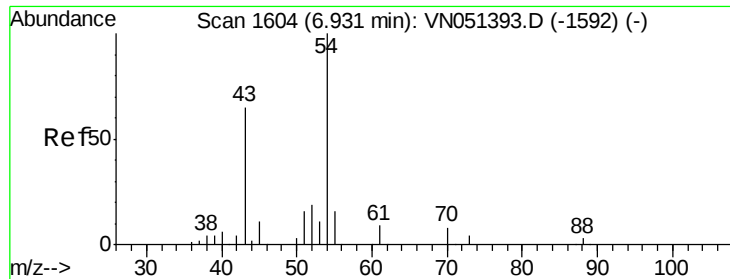
MMDadoda
9/27/2018 3:18:45 PM



#36
1,1-Dichloropropene
Concen: 18.234 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	143681		
110	34.4	18.1	54.3	
77	31.5	25.6	38.4	





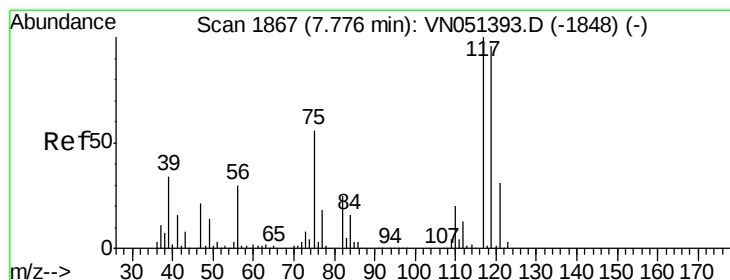
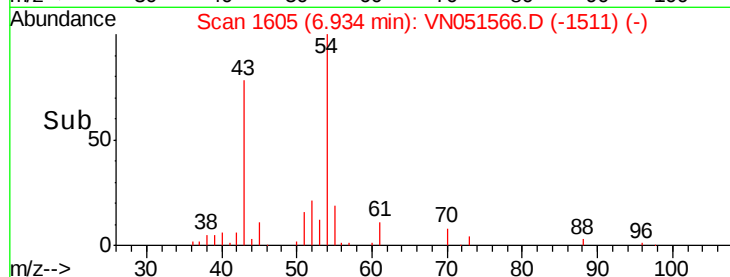
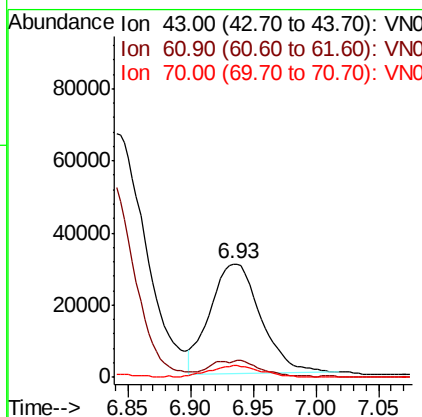
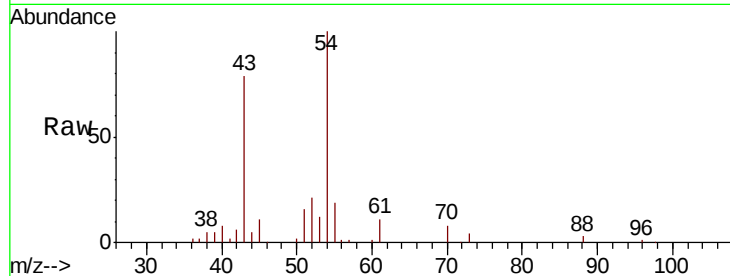
#37
Ethyl Acetate
Concen: 18.933 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	10.8	7.9	11.9

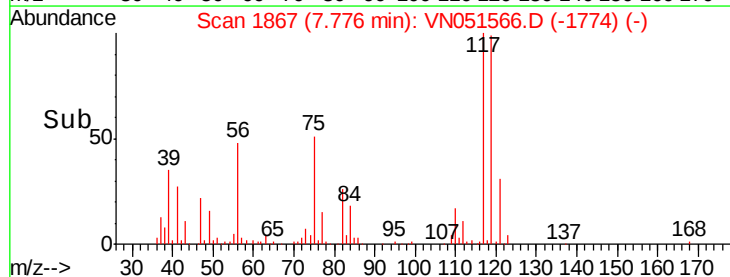
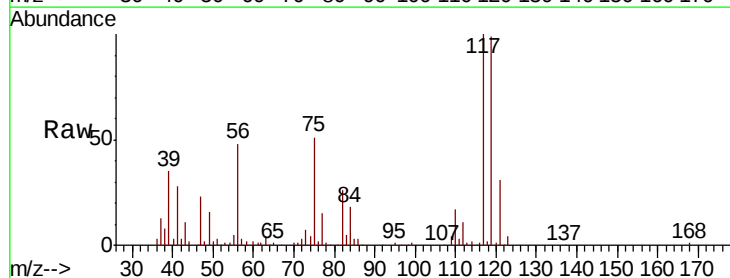
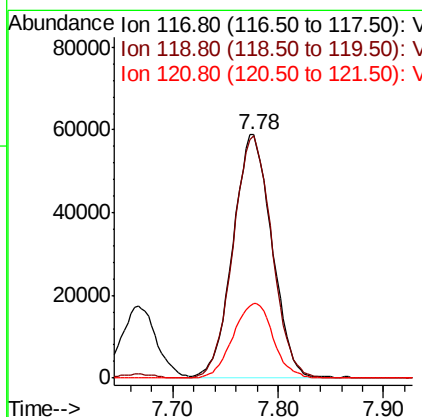
Manual Integrations
APPROVED

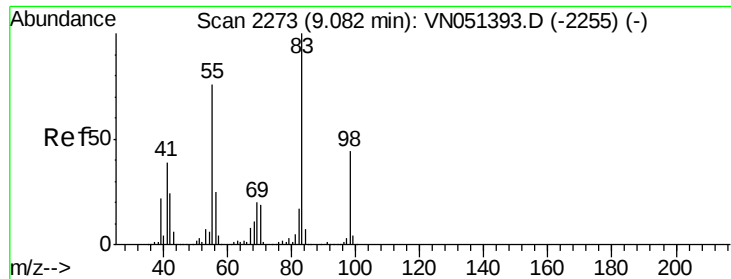
MMDadoda
9/27/2018 3:18:45 PM



#38
Carbon Tetrachloride
Concen: 18.383 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.5	76.9	115.3
121	30.7	24.6	37.0





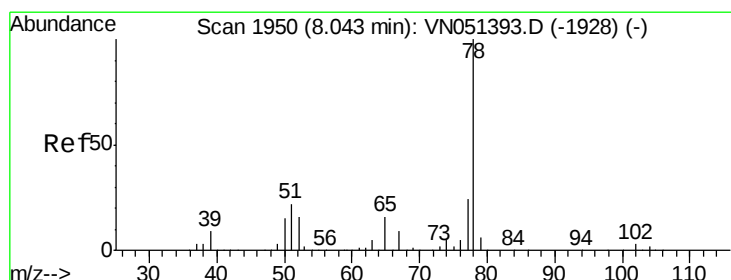
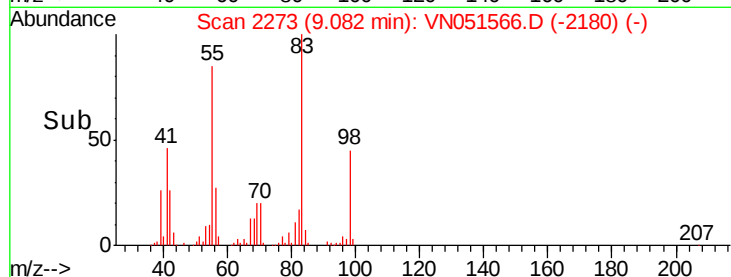
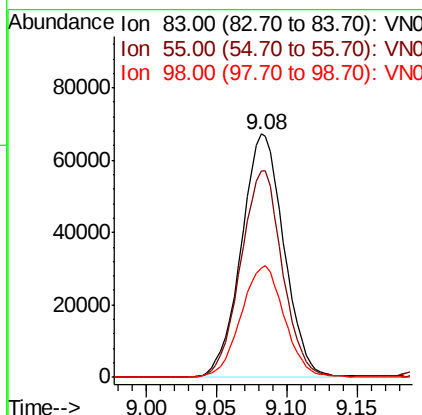
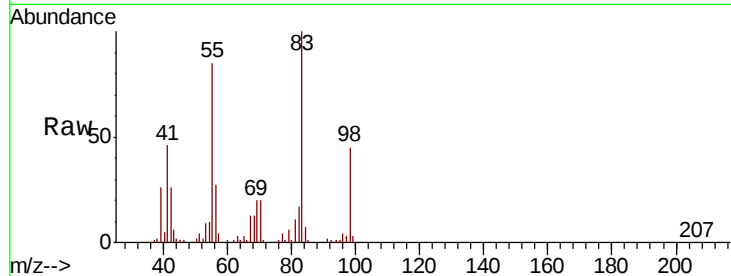
#39
Methvlcvclohexane
Concen: 15.422 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.9	61.0	91.4
98	45.1	35.6	53.4

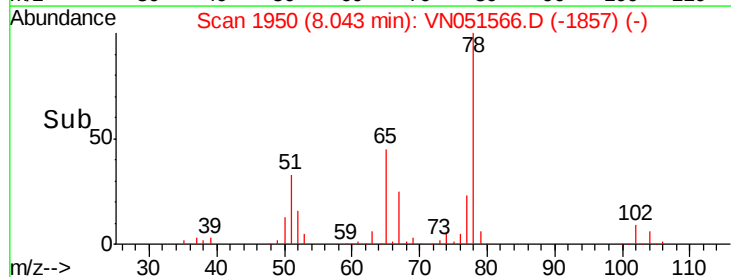
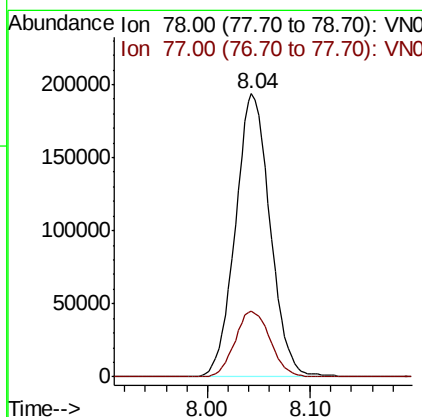
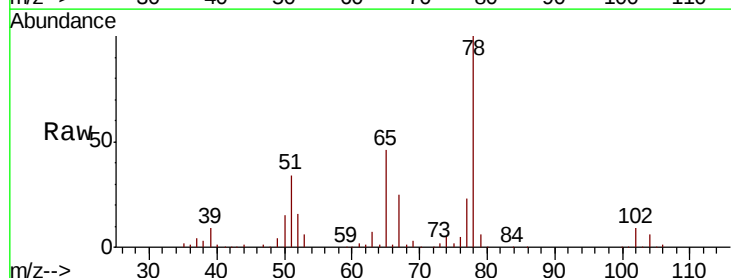
Manual Integrations
APPROVED

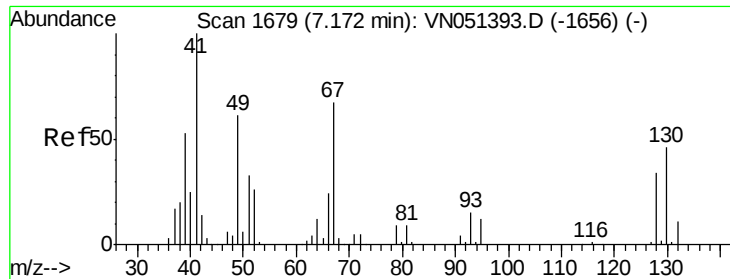
MMDadoda
9/27/2018 3:18:45 PM



#40
Benzene
Concen: 19.595 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.2	28.8





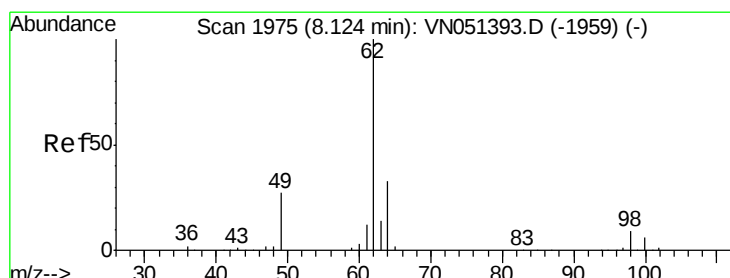
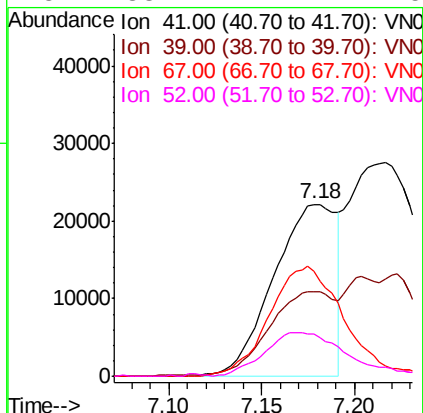
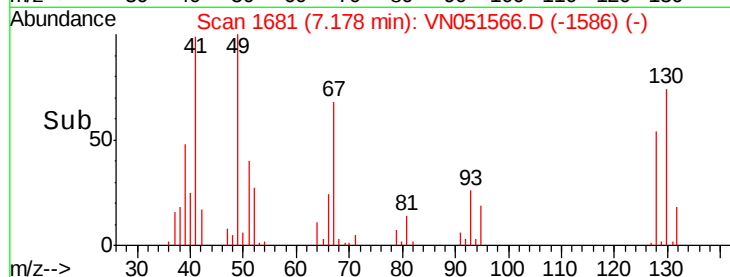
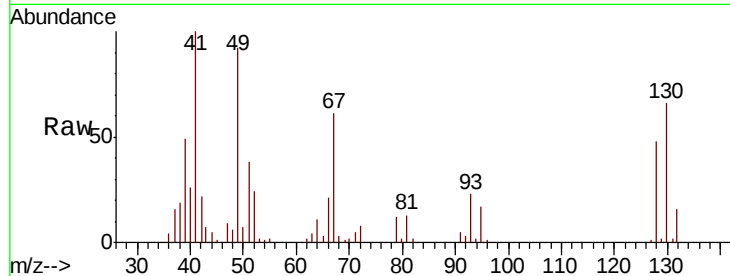
#41
Methacrylonitrile
Concen: 20.800 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.4	51.4	77.2#
67	75.9	66.8	100.2
52	33.4	27.7	41.5

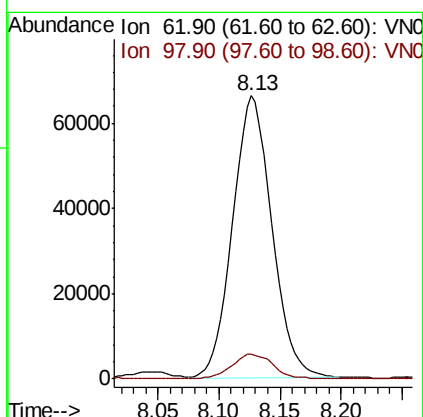
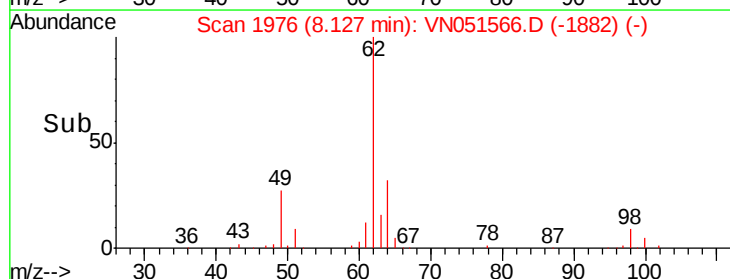
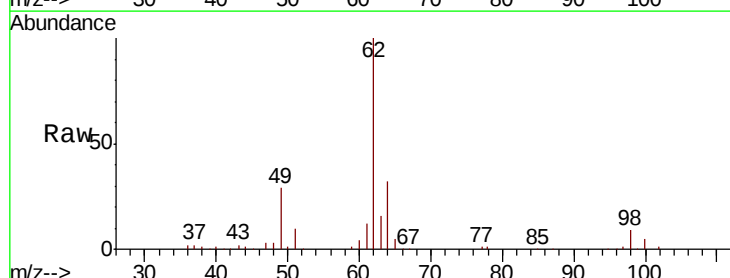
Manual Integrations
APPROVED

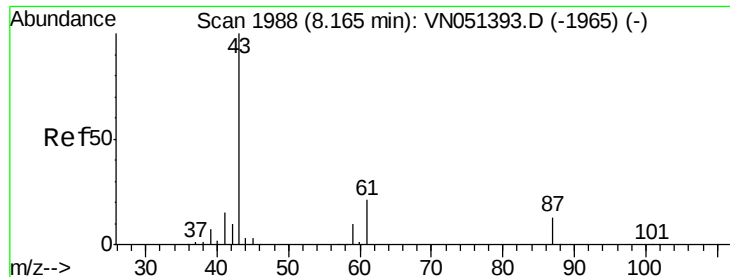
MMDadoda
9/27/2018 3:18:45 PM



#42
1,2-Dichloroethane
Concen: 19.936 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.6





#43

Isopropyl Acetate

Concen: 21.192 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

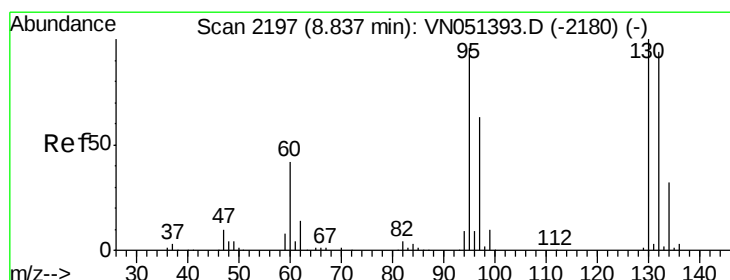
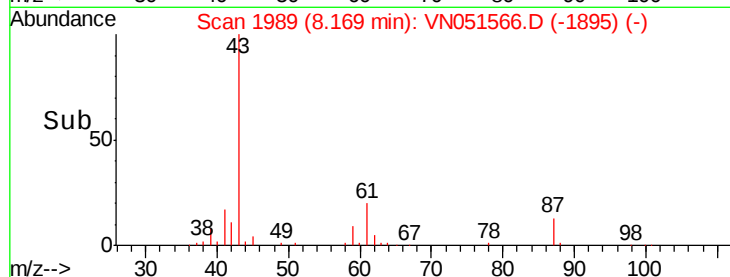
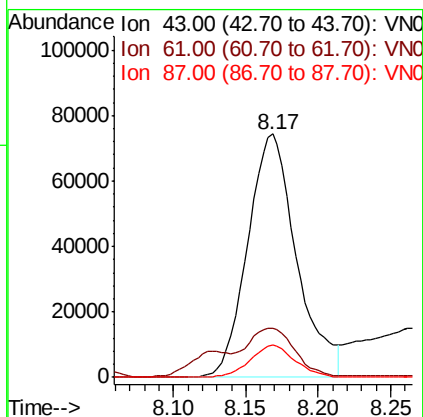
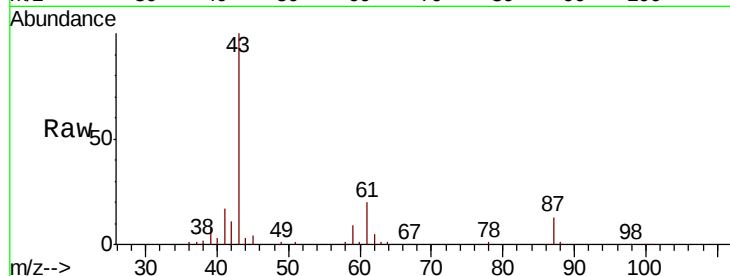
ClientSampleId :

VN0927WBSD02

Tot Ion:	43	Resp:	173611
Ion	Ratio	Lower	Upper
43	100		
61	18.8	16.8	25.2
87	12.2	10.7	16.1

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:18:45 PM



#44

Trichloroethene

Concen: 18.643 ug/l

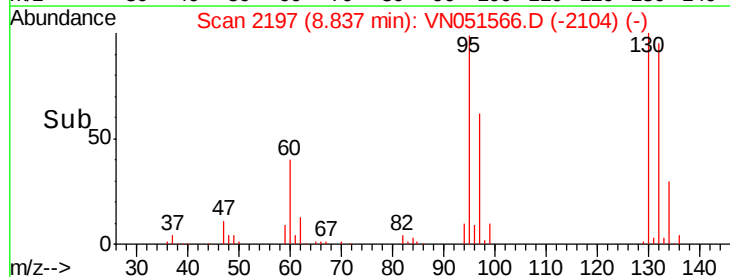
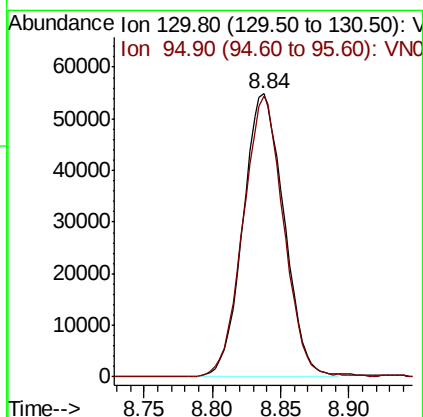
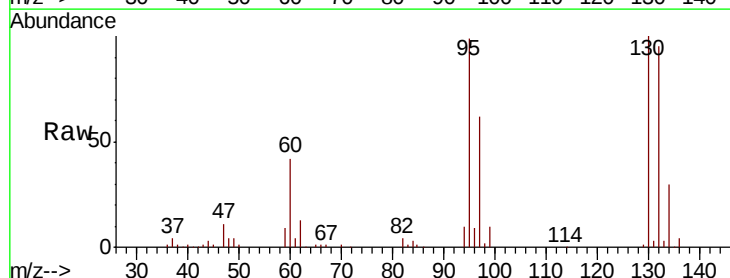
RT: 8.84 min Scan# 2197

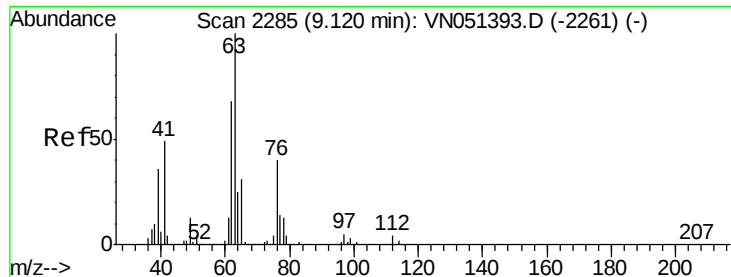
Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Tgt Ion:	130	Resp:	114565
Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	192.2





#45

1,2-Dichloropropane

Concen: 20.107 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD02

Tot Ion: 63 Resp: 126459

Ion Ratio Lower Upper

63 100

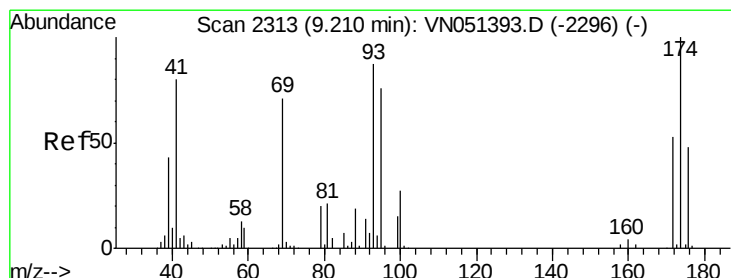
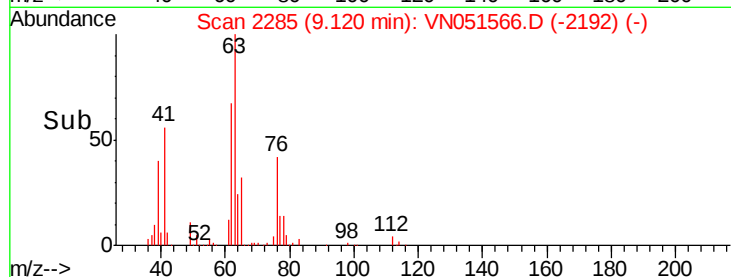
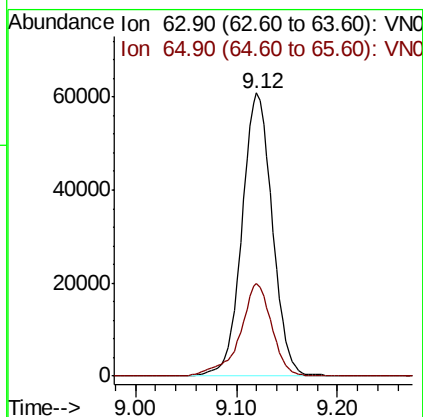
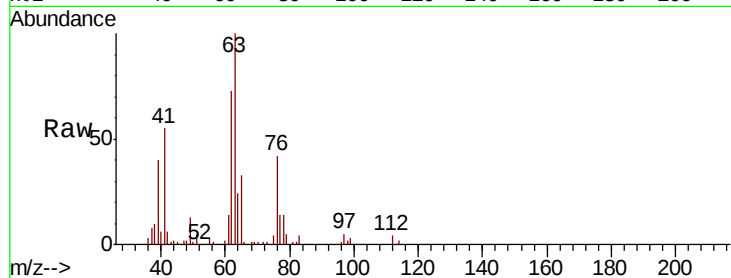
65 33.0 24.9 37.3

Manual Integrations

APPROVED

MMDadoda

9/27/2018 3:18:45 PM



#46

Dibromomethane

Concen: 20.246 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

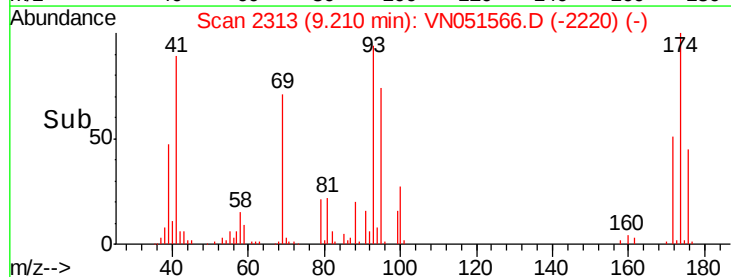
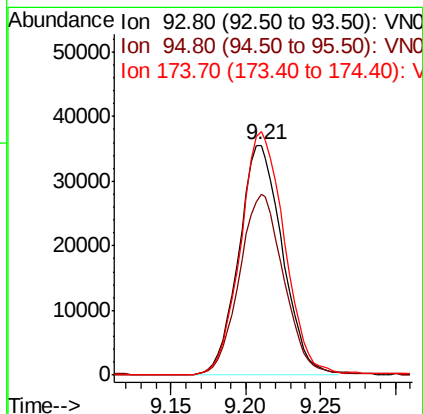
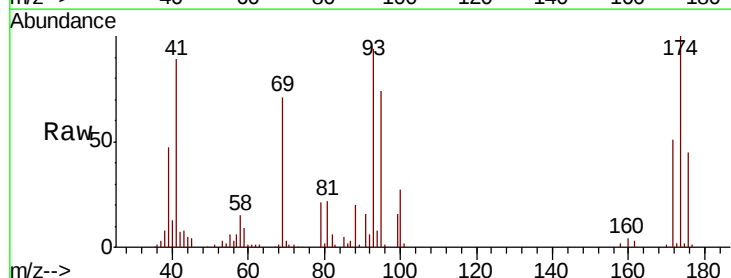
Tgt Ion: 93 Resp: 71944

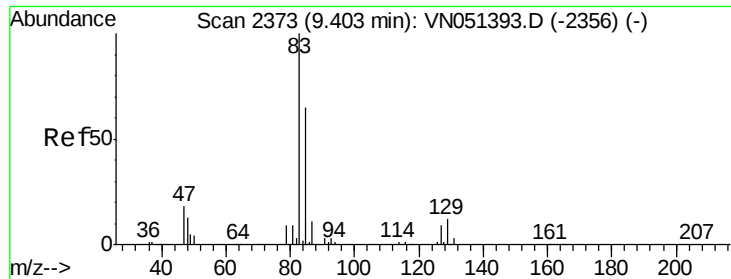
Ion Ratio Lower Upper

93 100

95 80.5 67.6 101.4

174 107.1 89.6 134.4





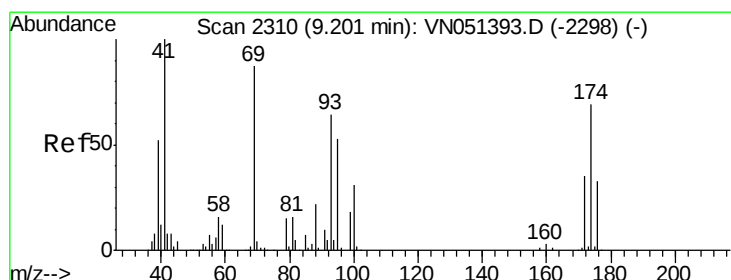
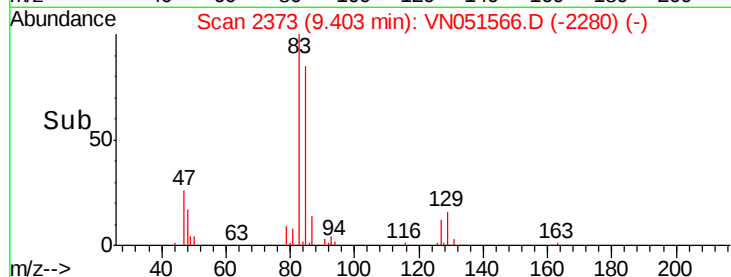
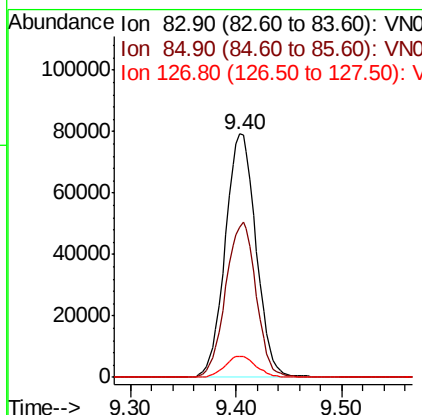
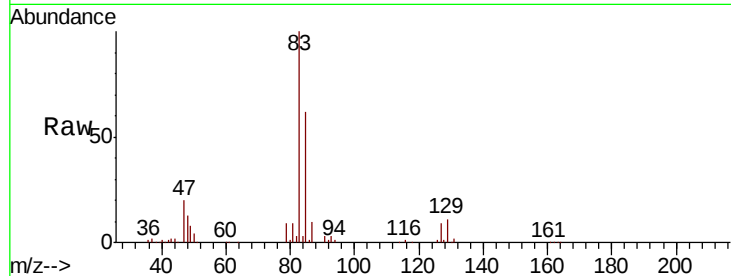
#47
Bromodichloromethane
Concen: 20.316 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

Tot Ion	83	Resp	159767
Ion Ratio	100	Lower	Upper
83	100		
85	61.9	51.8	77.6
127	8.8	7.4	11.2

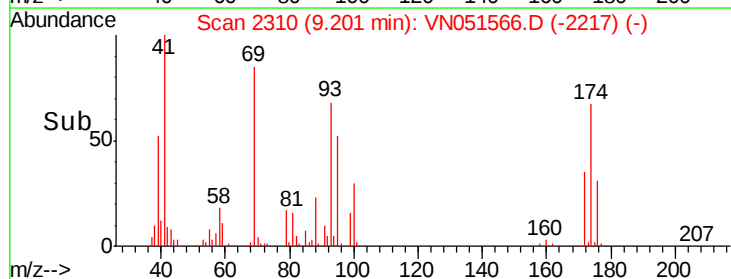
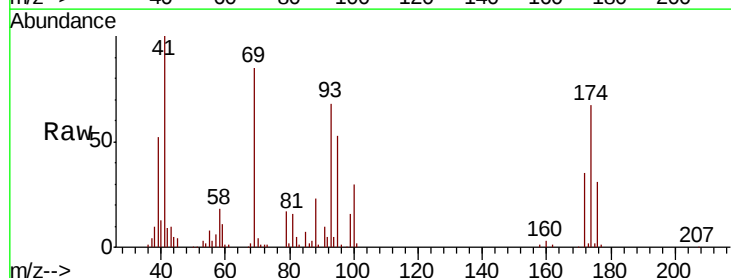
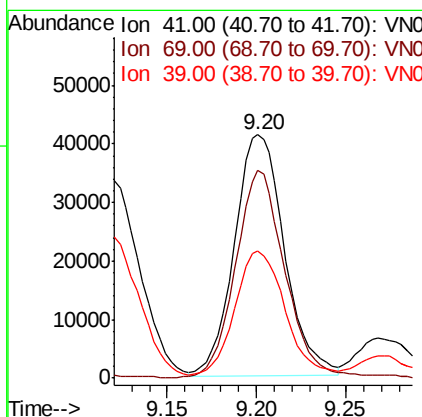
Manual Integrations
APPROVED

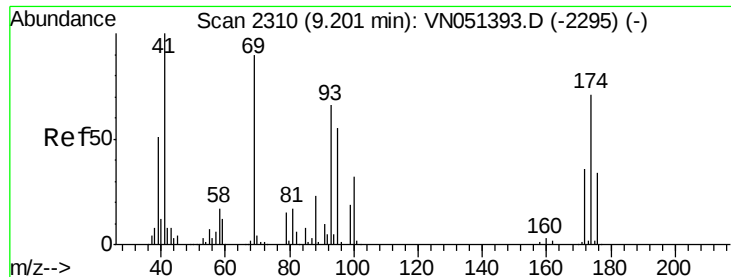
MMDadoda
9/27/2018 3:18:45 PM



#48
Methyl methacrylate
Concen: 19.762 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion	41	Resp	80717
Ion Ratio	100	Lower	Upper
41	100		
69	85.1	70.4	105.6
39	53.2	43.8	65.8





#49

1,4-Dioxane

Concen: 395.006 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD02

Tot Ion: 88 Resp: 19773

Ion Ratio Lower Upper

88 100

43 31.0 25.9 38.9

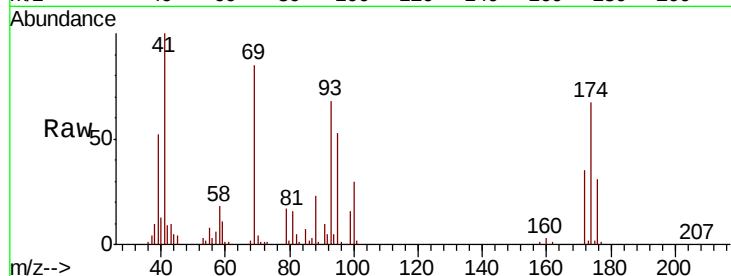
58 73.9 57.0 85.4

Manual Integrations

APPROVED

MMDadoda

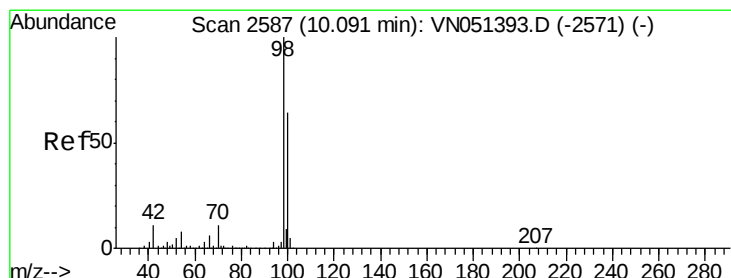
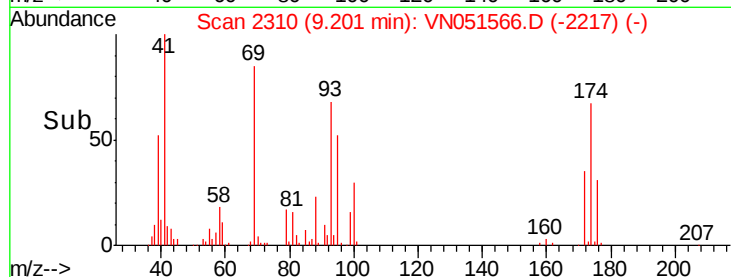
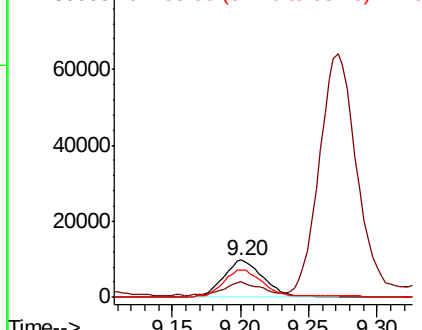
9/27/2018 3:18:45 PM



Abundance Ion 88.00 (87.70 to 88.70): VN051393.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN051393.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN051393.D (-2295) (-)



#50

Toluene-d8

Concen: 48.771 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051566.D

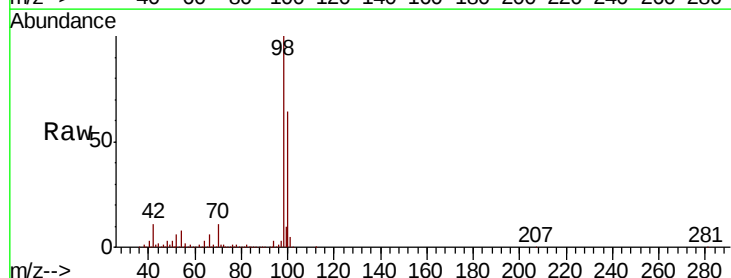
Acq: 27 Sep 2018 6:22

Tgt Ion: 98 Resp: 999305

Ion Ratio Lower Upper

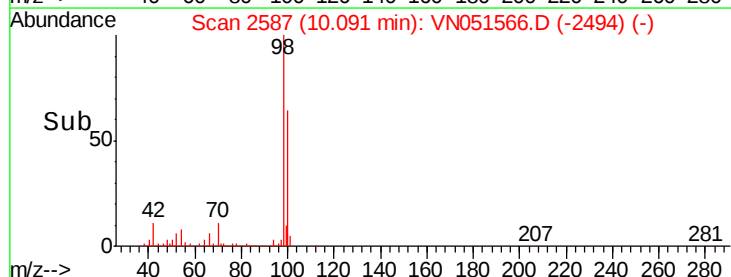
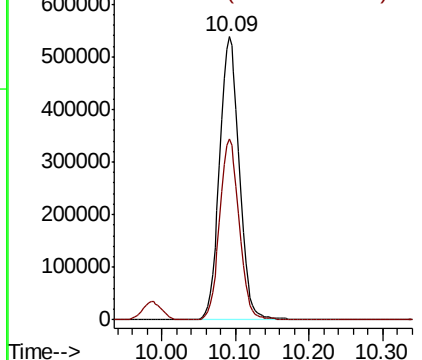
98 100

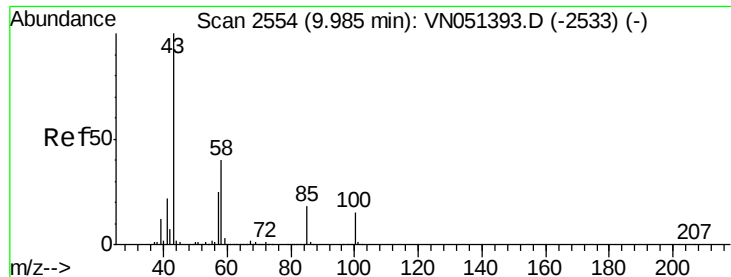
100 62.9 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN051393.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN051393.D (-2571) (-)





#51

4-Methyl-2-Pentanone

Concen: 102.776 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD02

Tot Ion: 43 Resp: 463062

Ion Ratio Lower Upper

43 100

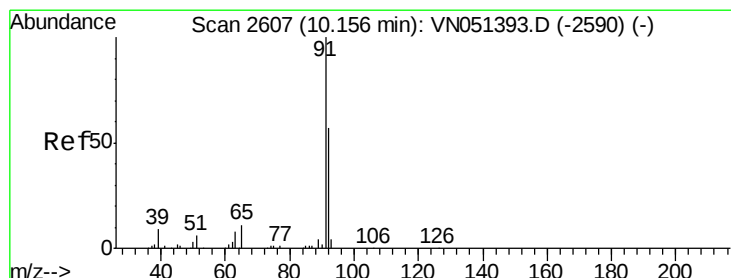
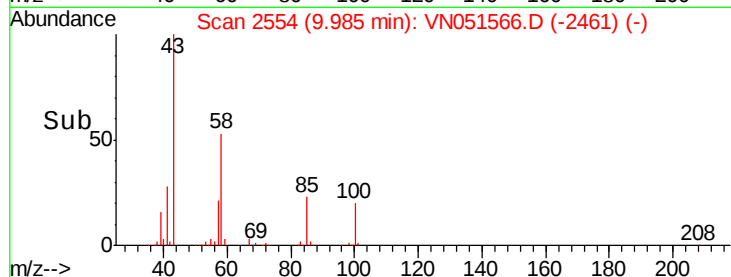
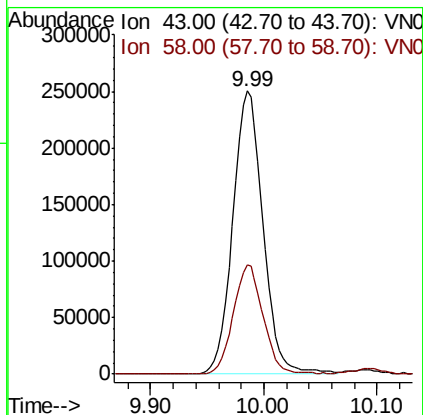
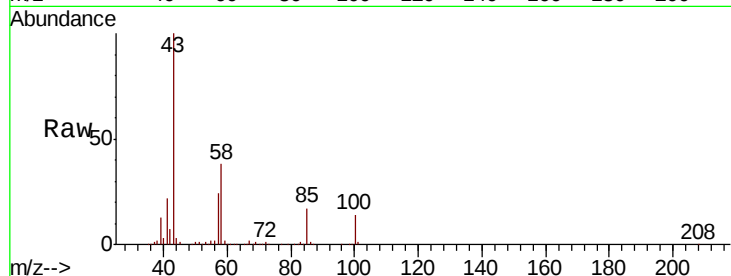
58 38.4 31.5 47.3

Manual Integrations

APPROVED

MMDadoda

9/27/2018 3:18:45 PM



#52

Toluene

Concen: 18.828 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051566.D

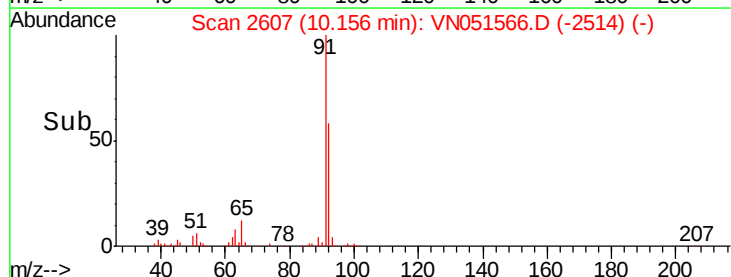
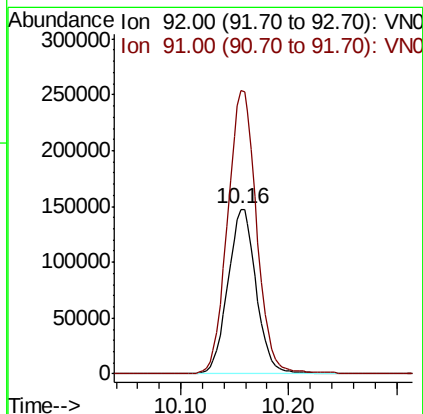
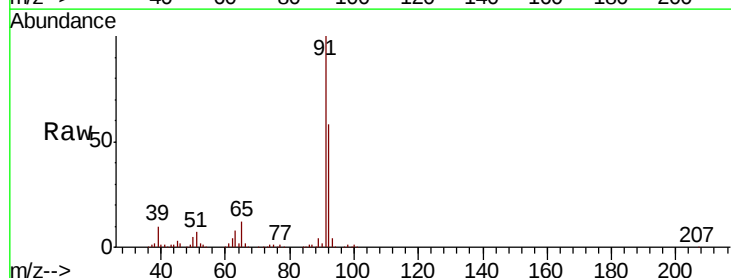
Acq: 27 Sep 2018 6:22

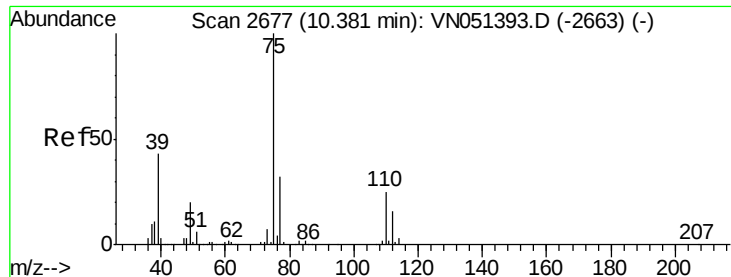
Tgt Ion: 92 Resp: 270717

Ion Ratio Lower Upper

92 100

91 176.2 142.2 213.4





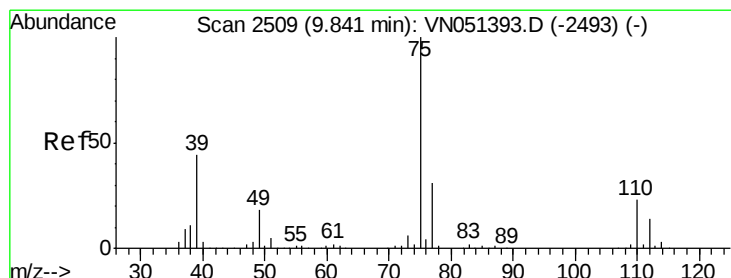
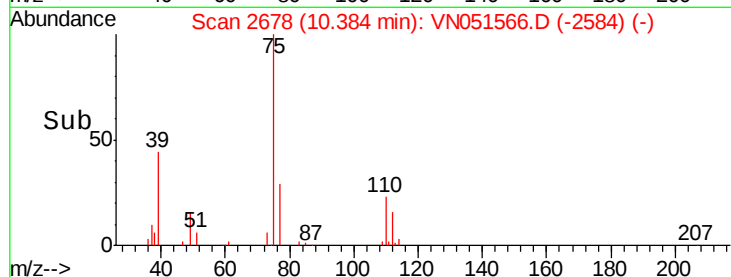
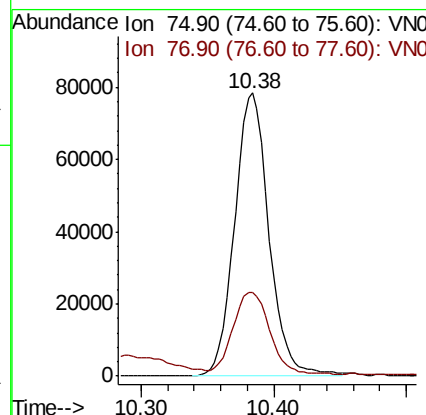
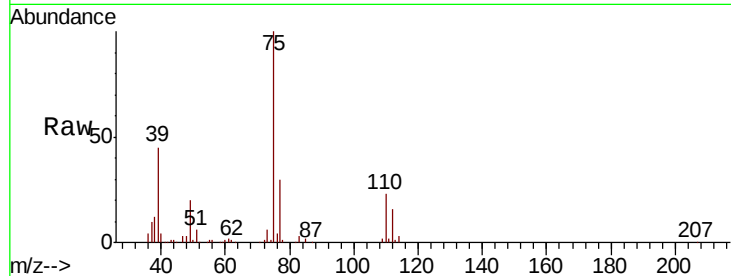
#53
 t-1,3-Dichloropropene
 Concen: 17.791 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.8	25.8	38.8

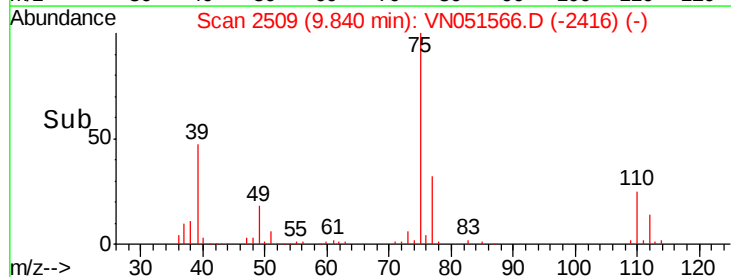
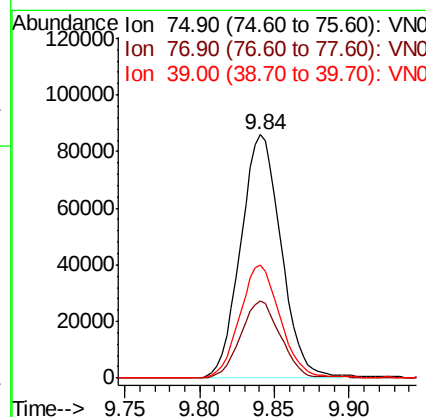
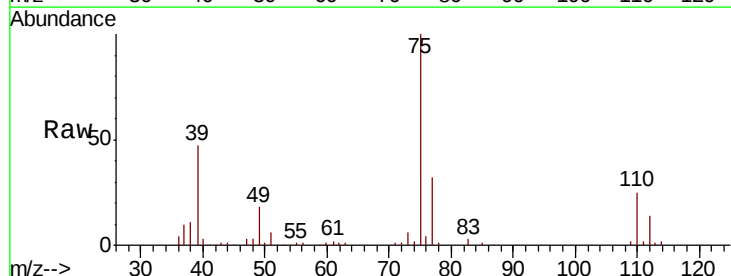
Manual Integrations
 APPROVED

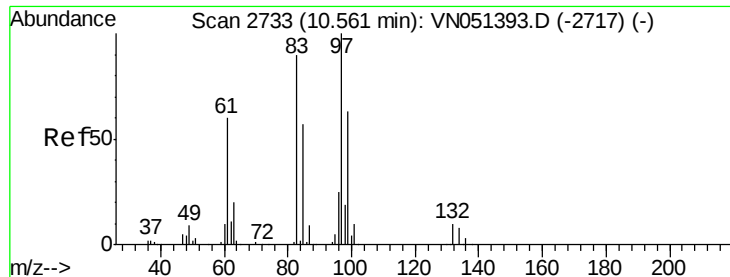
MMDadoda
 9/27/2018 3:18:45 PM



#54
 cis-1,3-Dichloropropene
 Concen: 17.562 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.2	37.8
39	46.6	35.4	53.2





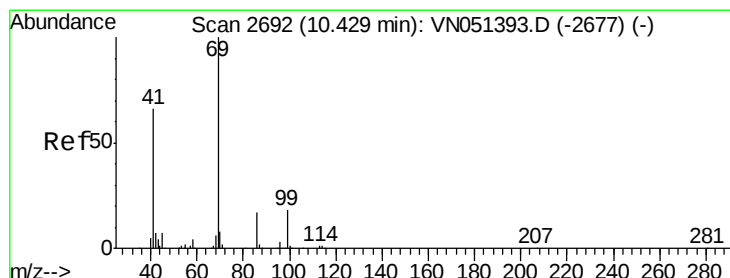
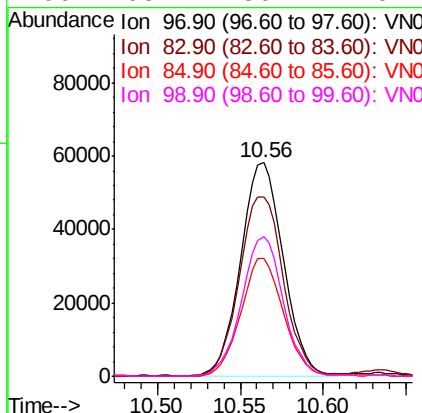
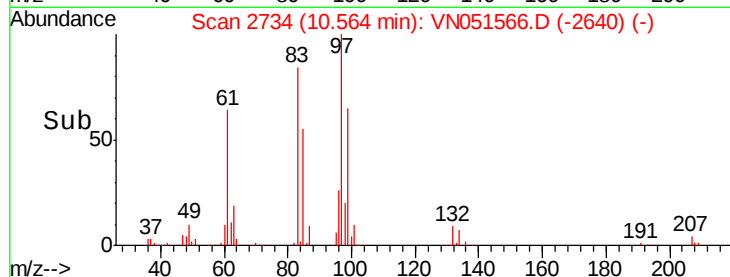
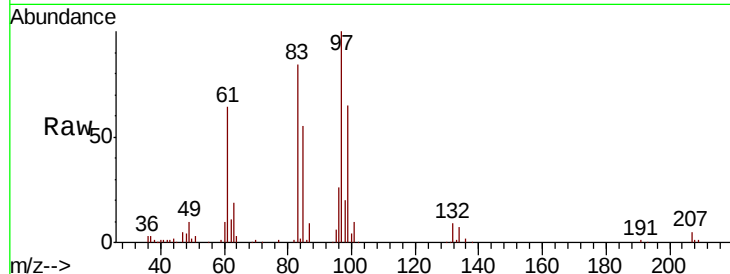
#55
 1,1,2-Trichloroethane
 Concen: 20.606 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD02

Tot Ion:	97	Resp:	104710
Ion	Ratio	Lower	Upper
97	100		
83	83.9	72.0	108.0
85	55.2	45.2	67.8
99	65.4	50.7	76.1

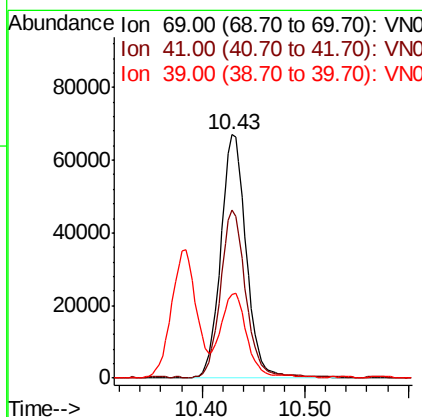
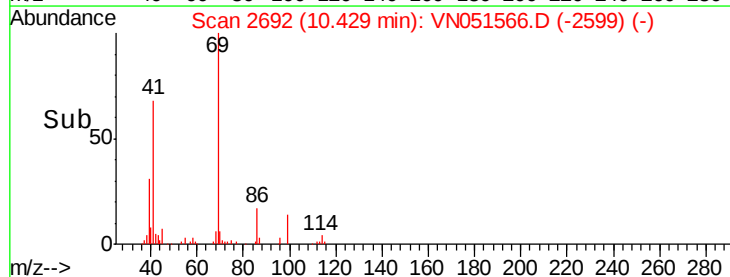
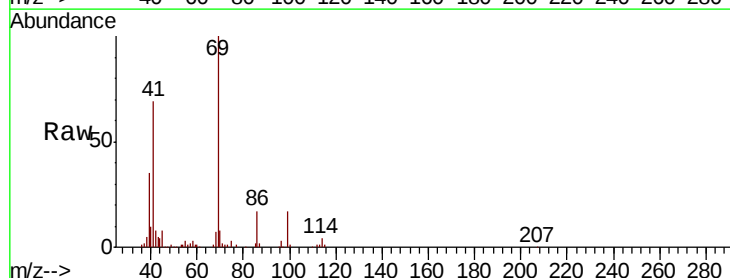
Manual Integrations
 APPROVED

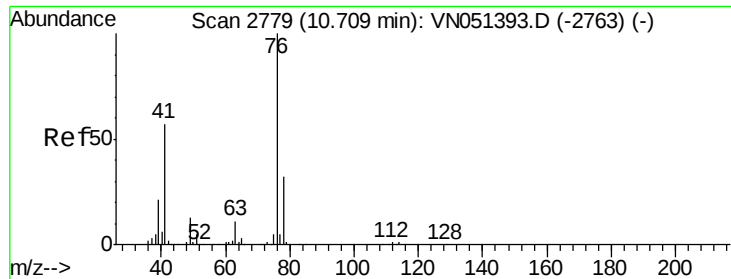
MMDadoda
 9/27/2018 3:18:45 PM



#56
 Ethyl methacrylate
 Concen: 18.551 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

Tgt Ion:	69	Resp:	115258
Ion	Ratio	Lower	Upper
69	100		
41	67.7	52.4	78.6
39	34.2	26.3	39.5





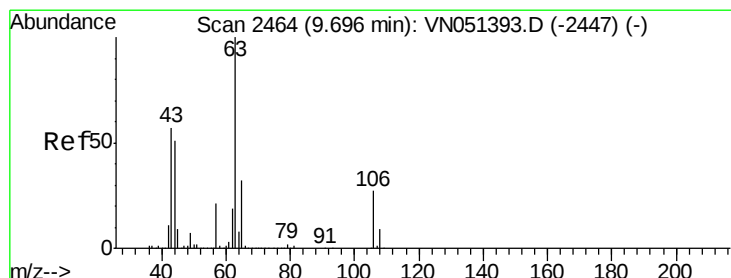
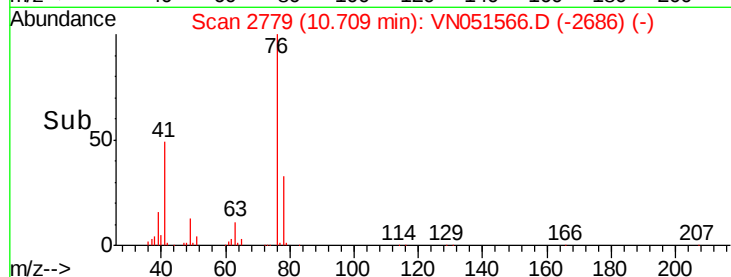
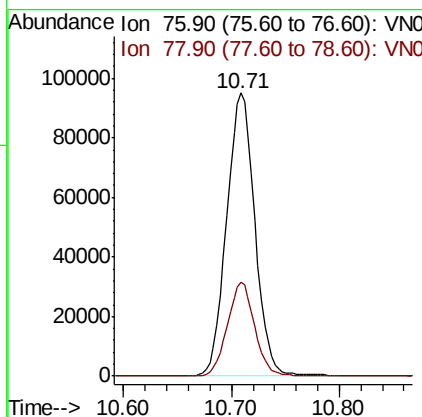
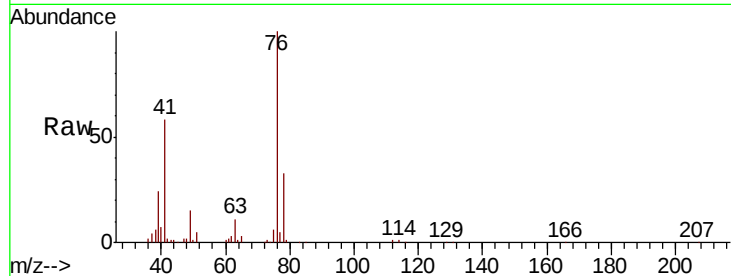
#57
 1,3-Dichloropropane
 Concen: 19.948 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

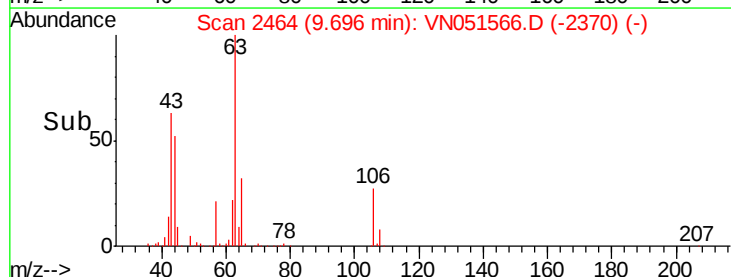
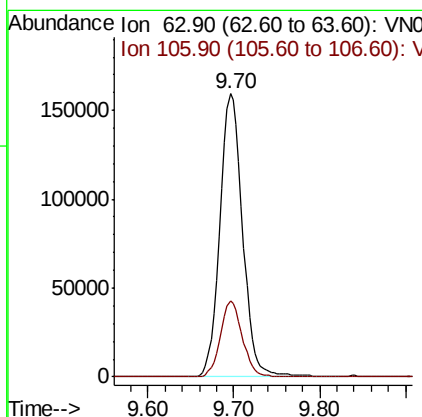
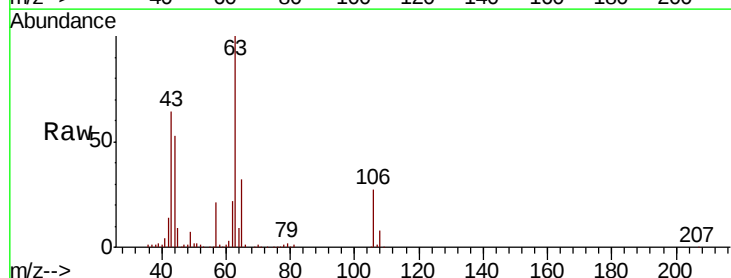
Manual Integrations
 APPROVED

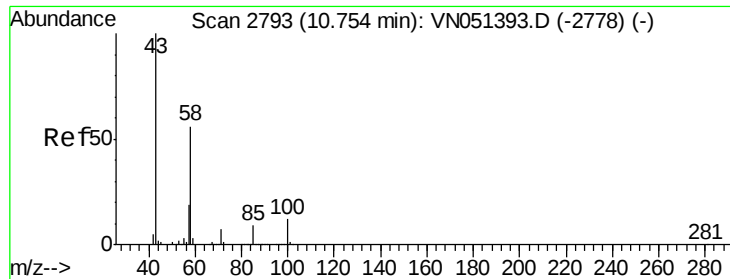
MMDadoda
 9/27/2018 3:18:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.499 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.9	21.4	32.2





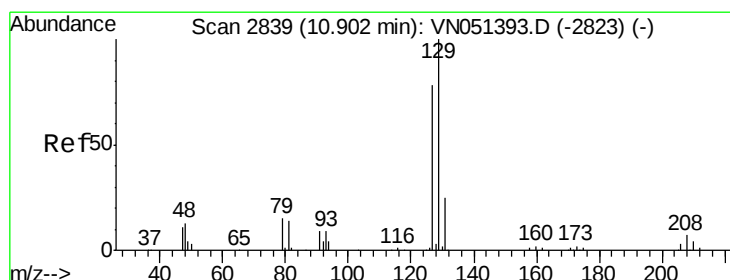
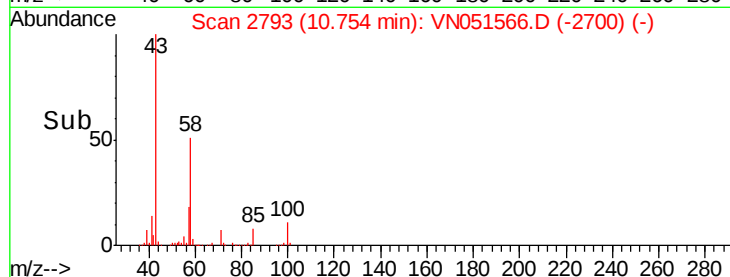
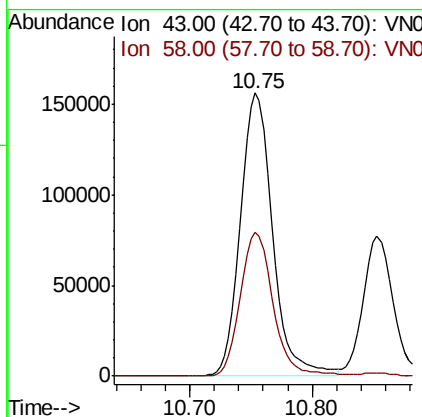
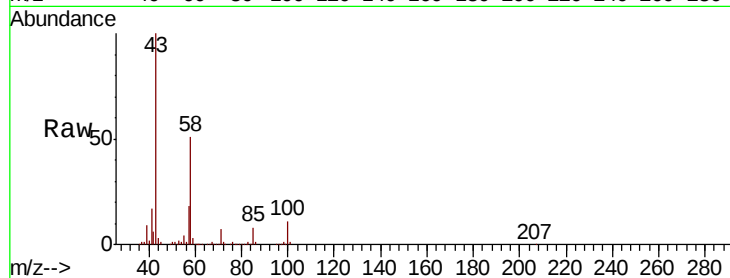
#59
2-Hexanone
Concen: 96.749 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

Tot Ion: 43 Resp: 282583
Ion Ratio Lower Upper
43 100
58 52.0 27.7 83.0

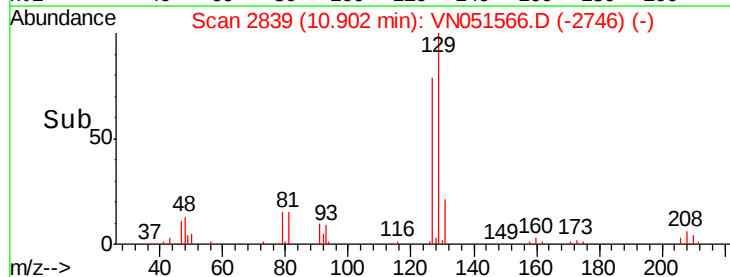
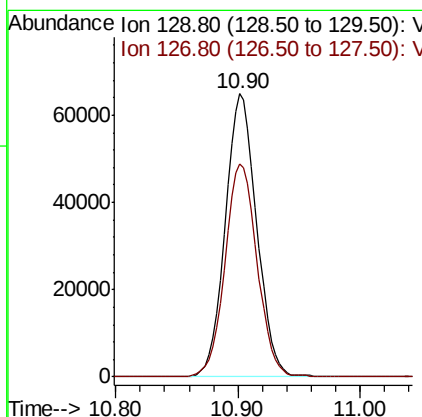
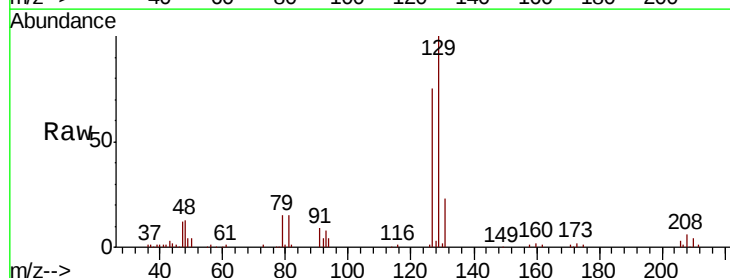
Manual Integrations
APPROVED

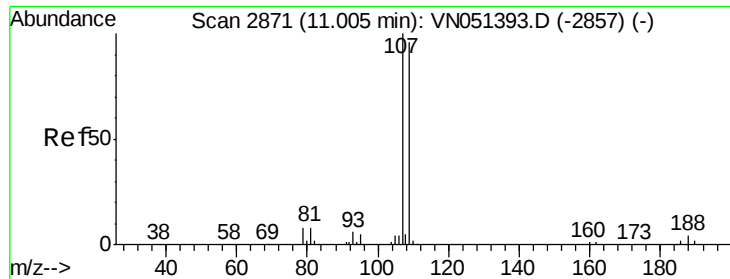
MMDadoda
9/27/2018 3:18:45 PM



#60
Dibromochloromethane
Concen: 19.440 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion: 129 Resp: 116556
Ion Ratio Lower Upper
129 100
127 77.1 38.6 116.0





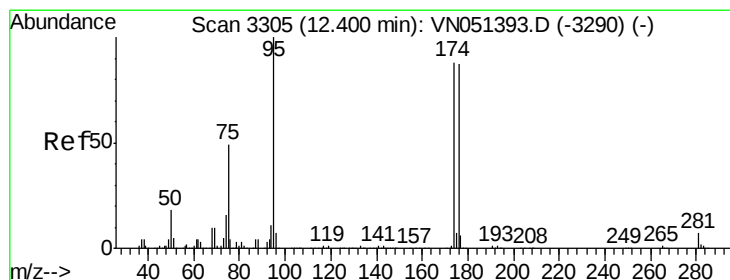
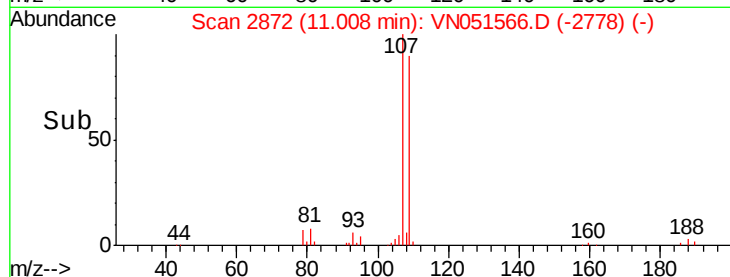
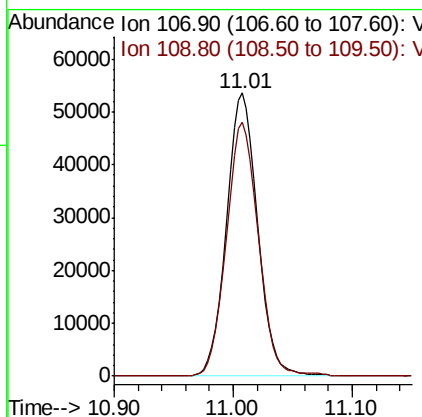
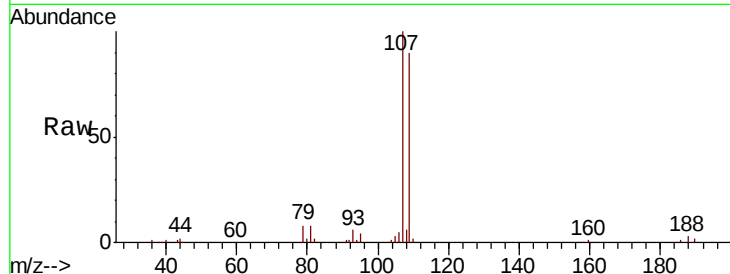
#61
 1,2-Dibromoethane
 Concen: 19.639 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD02

Tot Ion: 107 Resp: 96877
 Ion Ratio Lower Upper
 107 100
 109 92.5 76.3 114.5

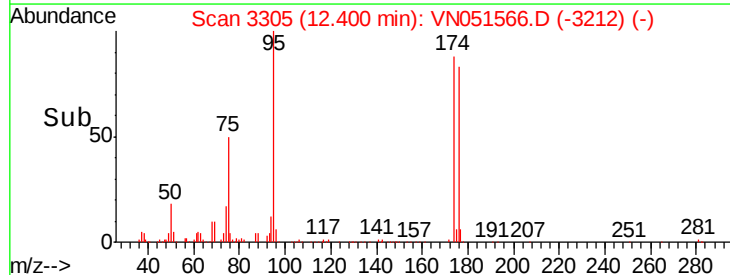
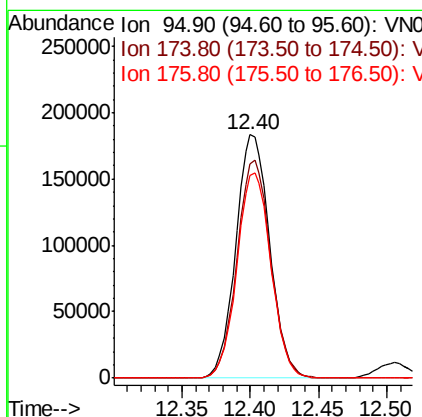
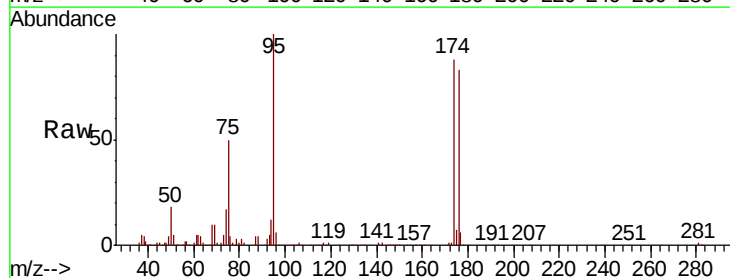
Manual Integrations
 APPROVED

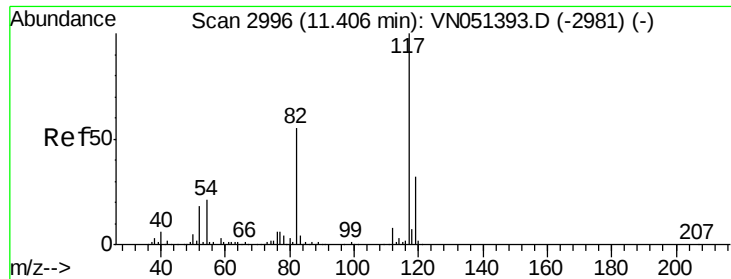
MMDadoda
 9/27/2018 3:18:45 PM



#62
 4-Bromofluorobenzene
 Concen: 47.695 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

Tgt Ion: 95 Resp: 316141
 Ion Ratio Lower Upper
 95 100
 174 89.1 0.0 181.6
 176 84.7 0.0 176.4





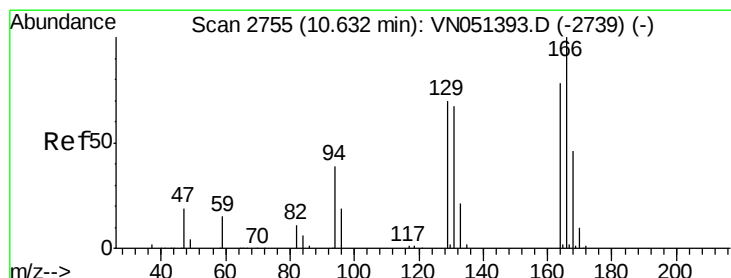
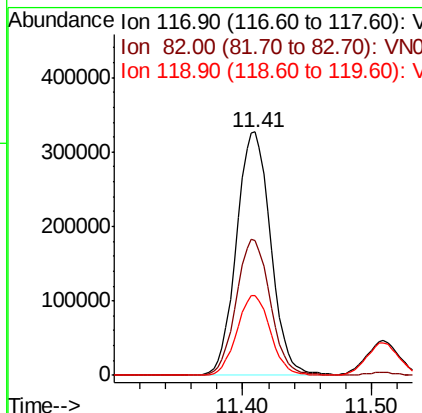
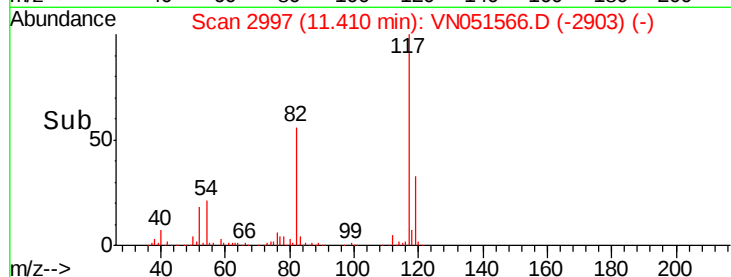
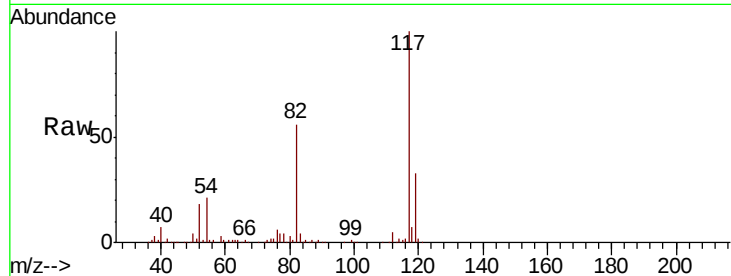
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.2	66.2
119	32.8	25.9	38.9

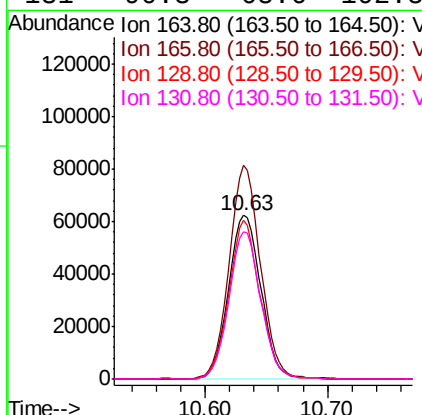
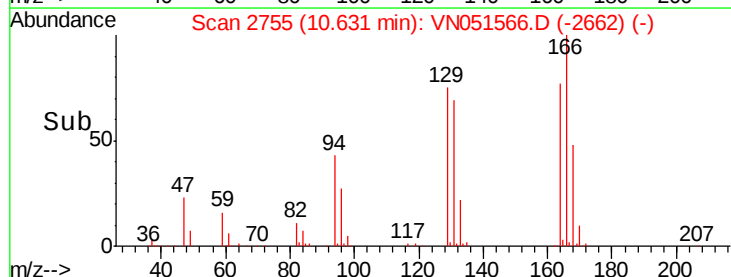
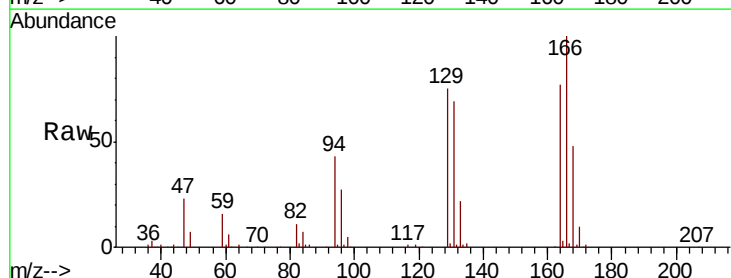
Manual Integrations
APPROVED

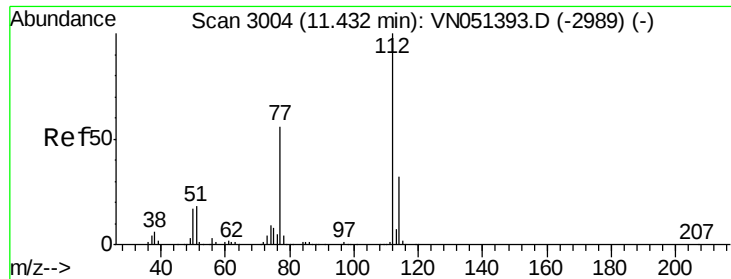
MMDadoda
9/27/2018 3:18:45 PM



#64
Tetrachloroethene
Concen: 21.180 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	102.3	153.5
129	97.2	71.8	107.8
131	90.3	68.6	102.8





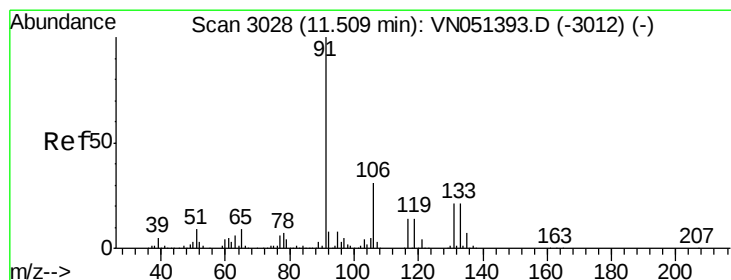
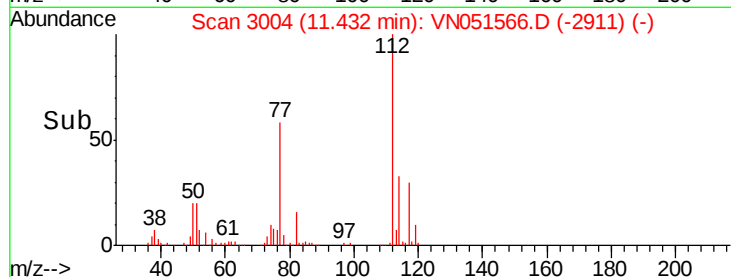
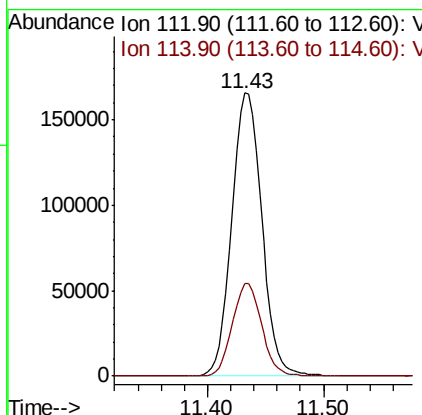
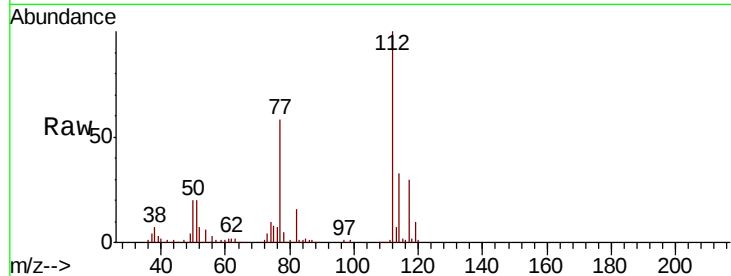
#65
Chlorobenzene
Concen: 19.146 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	296389		
114	32.6	25.4	38.2	

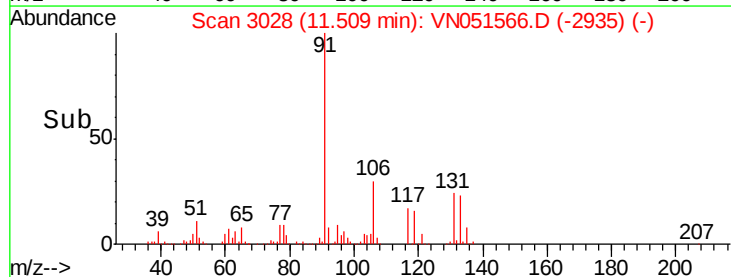
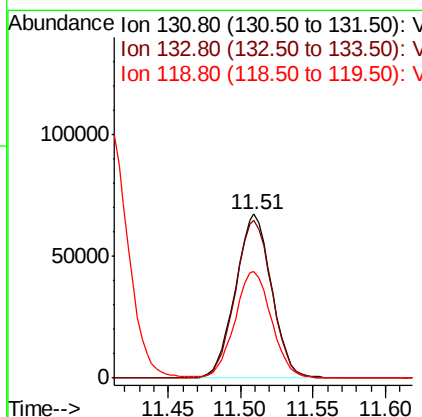
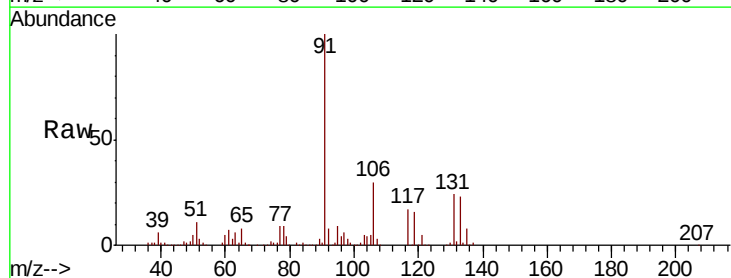
Manual Integrations
APPROVED

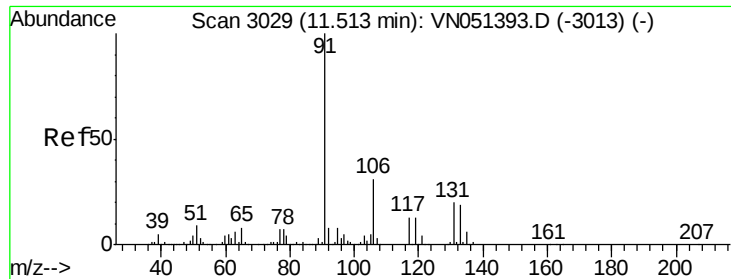
MMDadoda
9/27/2018 3:18:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.836 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	116988		
133	96.9	48.3	144.8	
119	65.8	32.8	98.4	





#67

Ethyl Benzene

Concen: 18.349 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampled :

VN0927WBSD02

Tot Ion: 91 Resp: 478692

Ion Ratio Lower Upper

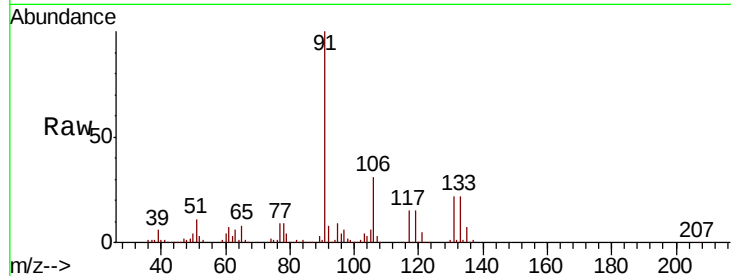
91 100

106 30.7 25.0 37.4

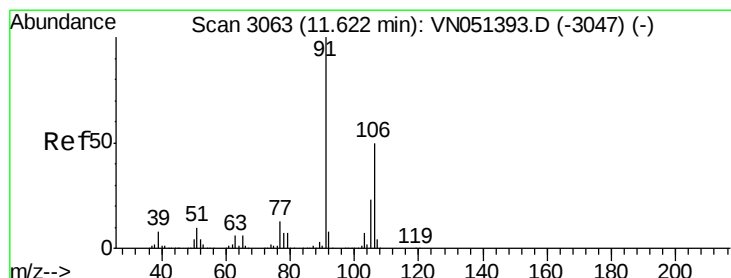
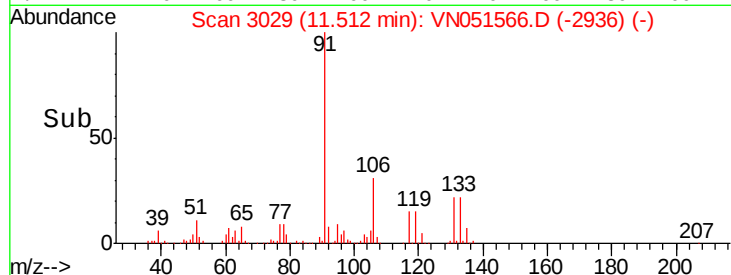
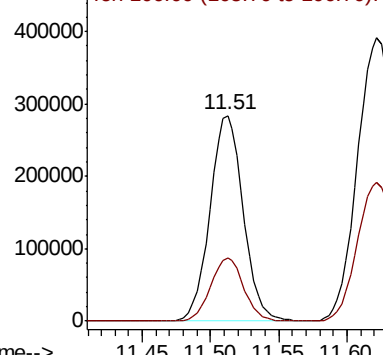
Manual Integrations
APPROVED

MMDadoda

9/27/2018 3:18:45 PM



Abundance Ion 91.00 (90.70 to 91.70): VN051393.D (-3013) (-)



#68

m/p-Xylenes

Concen: 37.071 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN051566.D

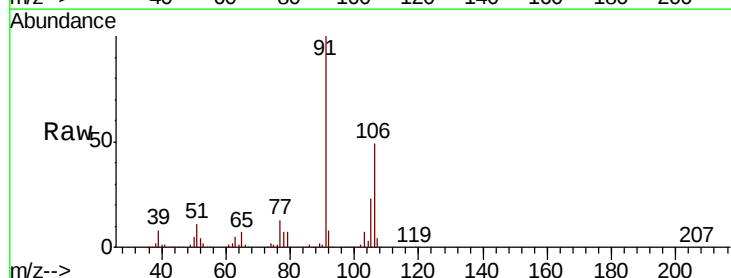
Acq: 27 Sep 2018 6:22

Tgt Ion: 106 Resp: 374087

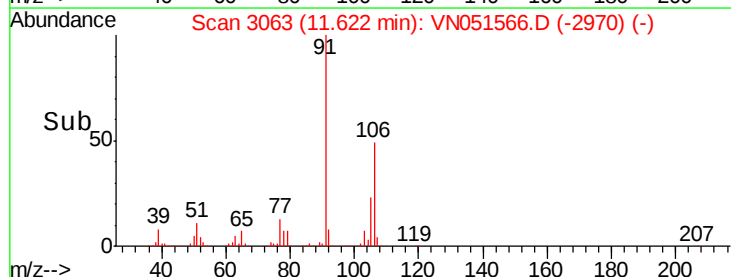
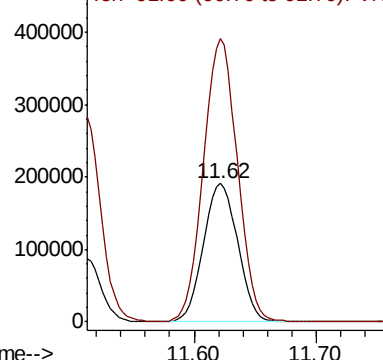
Ion Ratio Lower Upper

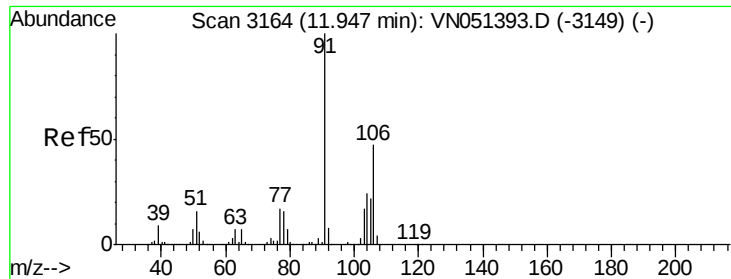
106 100

91 202.3 161.3 241.9



Abundance Ion 106.00 (105.70 to 106.70): VN051393.D (-3047) (-)





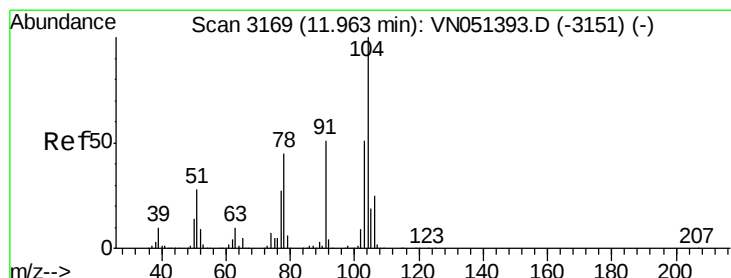
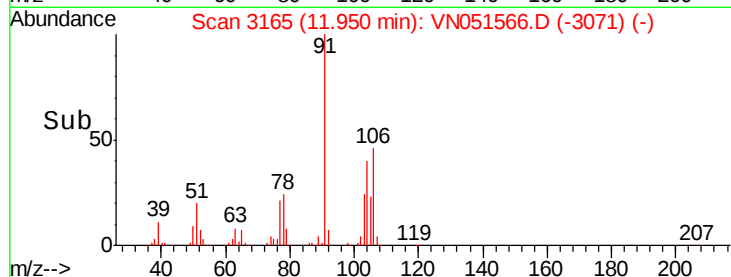
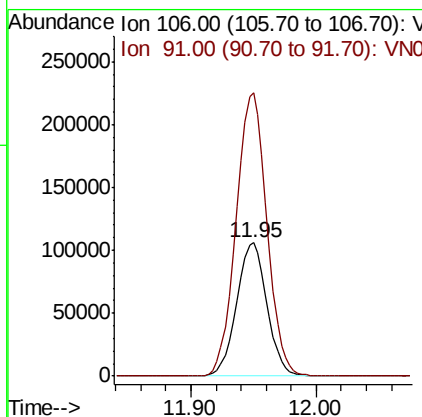
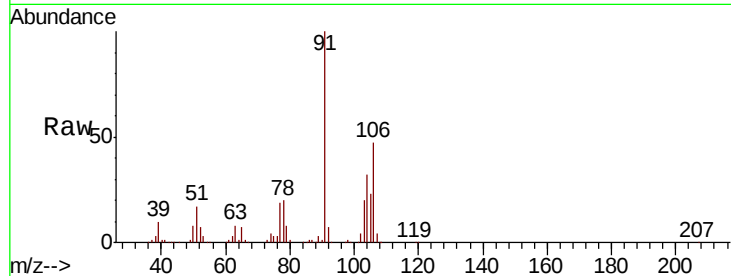
#69
o-Xylene
Concen: 18.340 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Instrument :
MSVOA_N
ClientSampled :
VN0927WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		177923		
91	215.6	105.3	315.9		

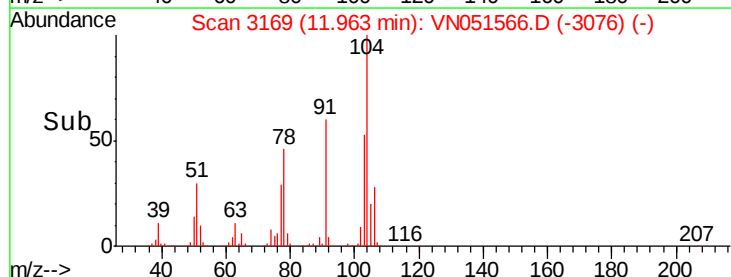
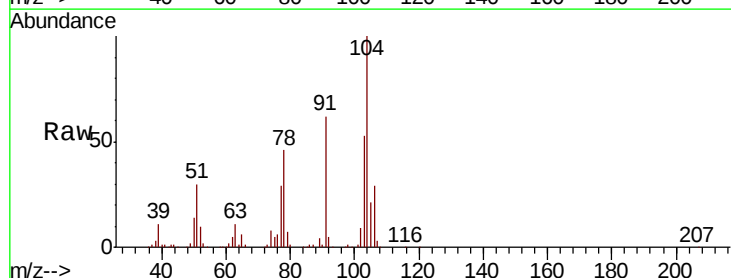
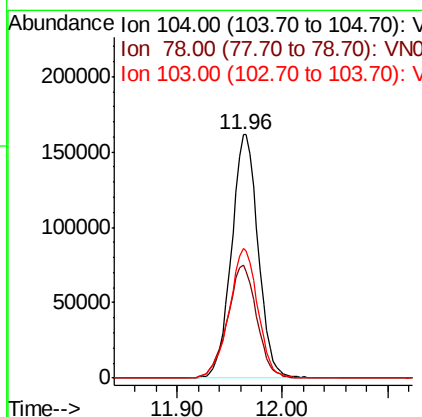
Manual Integrations
APPROVED

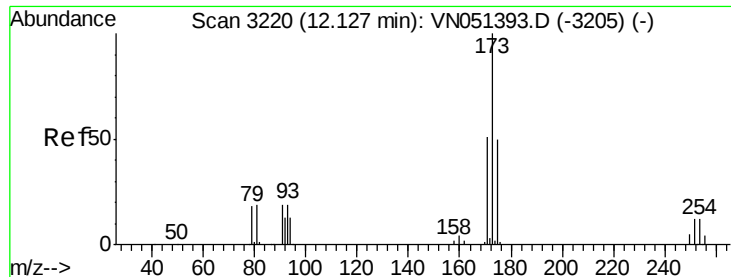
MMDadoda
9/27/2018 3:18:45 PM



#70
Styrene
Concen: 18.361 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		282245		
78	50.8	39.9	59.9		
103	57.5	44.6	66.8		





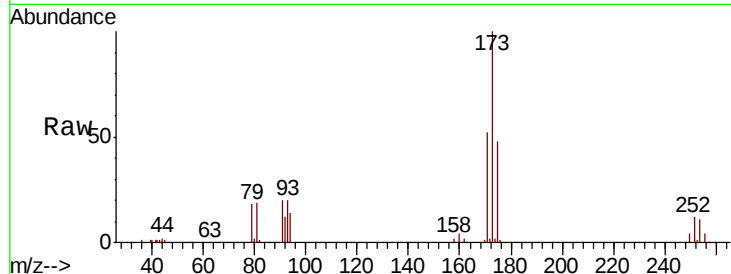
#71
Bromoform
Concen: 19.406 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

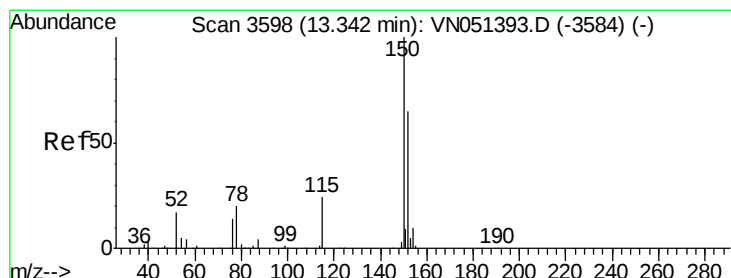
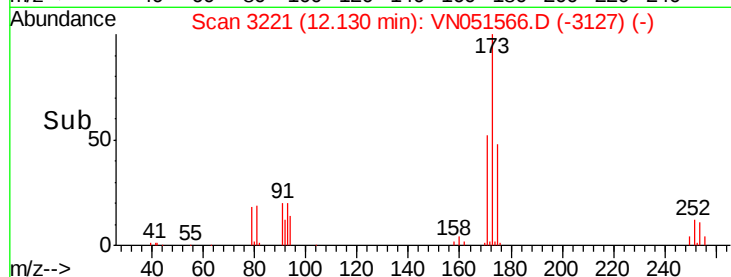
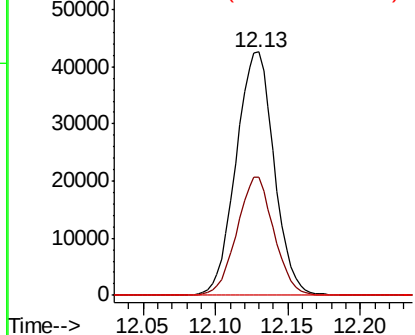
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.8	74.3
254	0.0	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:18:45 PM

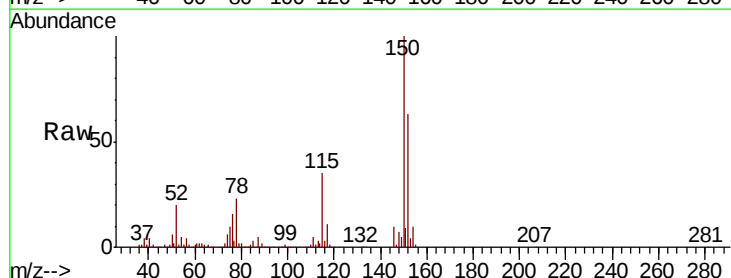


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

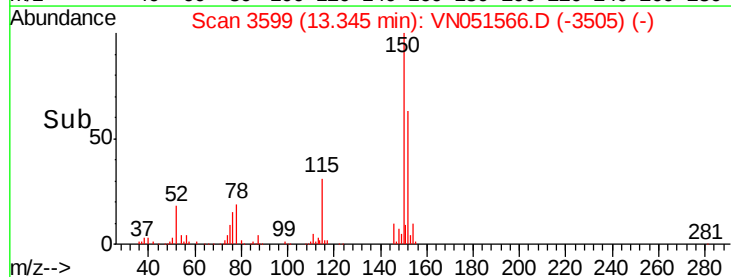
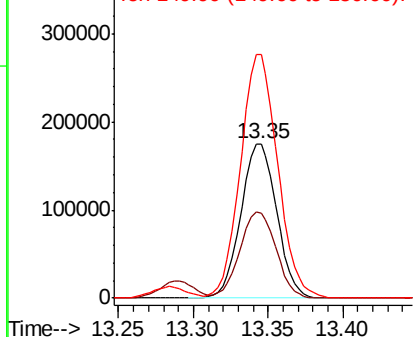


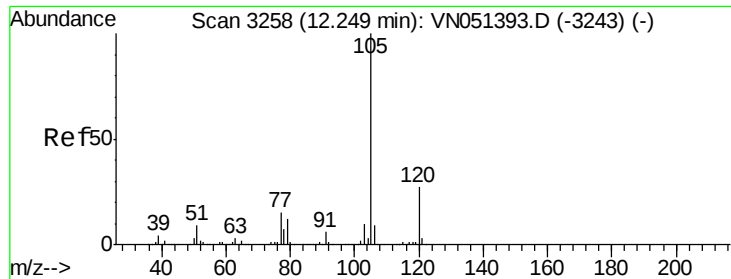
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.3	84.9
150	164.2	0.0	353.6



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: 19.256 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD02

Tot Ion: 105 Resp: 473641

Ion Ratio Lower Upper

105 100

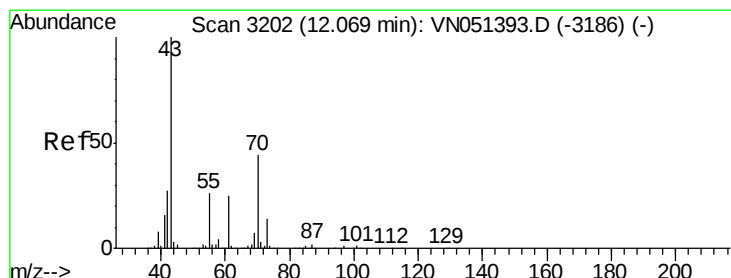
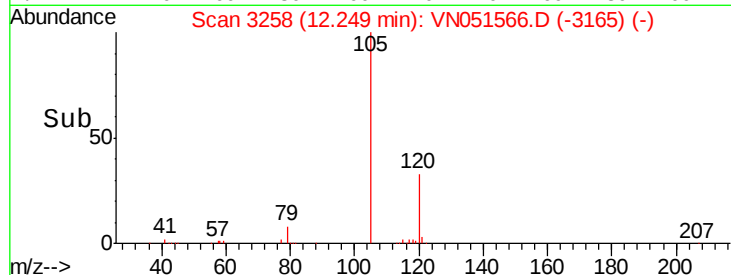
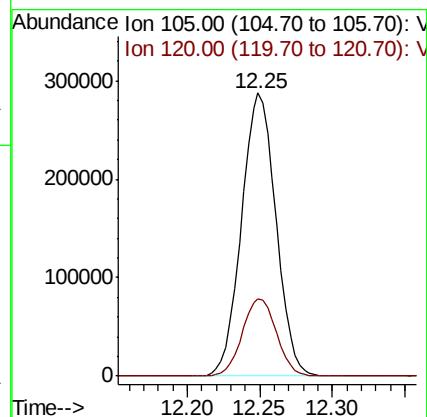
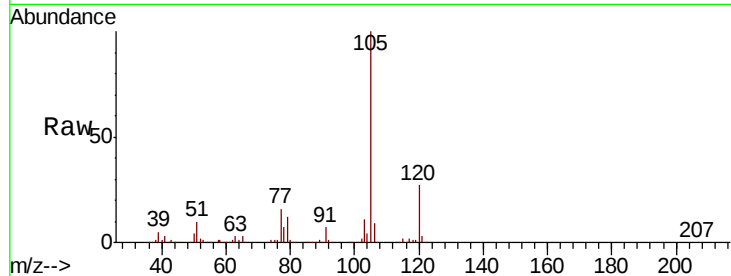
120 27.2 13.3 39.8

Manual Integrations

APPROVED

MMDadoda

9/27/2018 3:18:45 PM



#74

N-ethyl acetate

Concen: 20.122 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Tgt Ion: 43 Resp: 124180

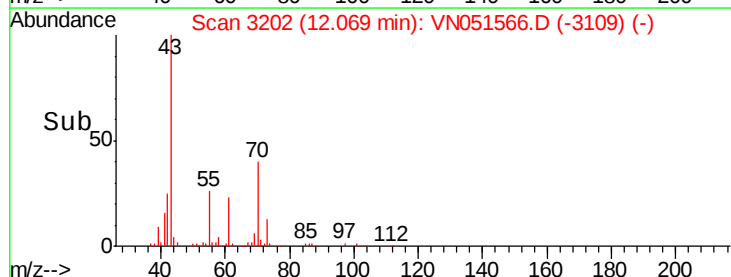
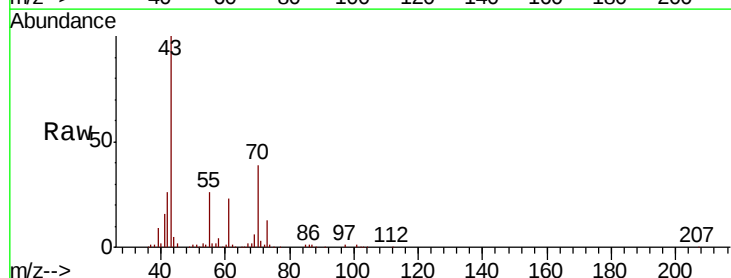
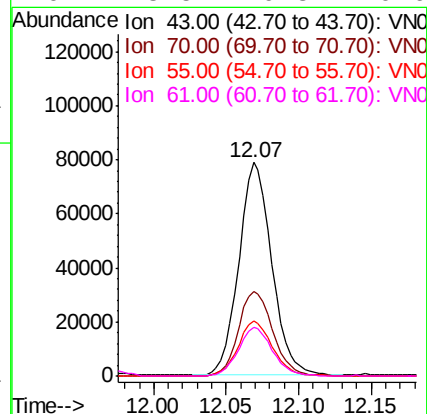
Ion Ratio Lower Upper

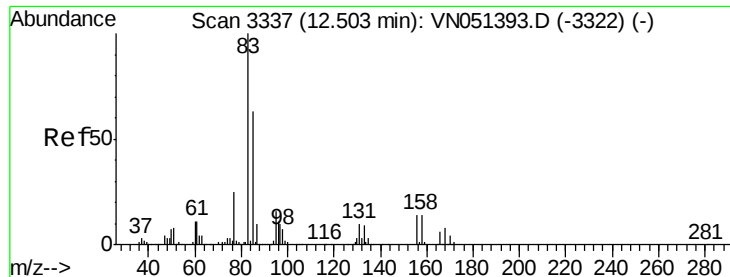
43 100

70 41.5 35.0 52.4

55 26.8 21.4 32.2

61 23.5 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.880 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

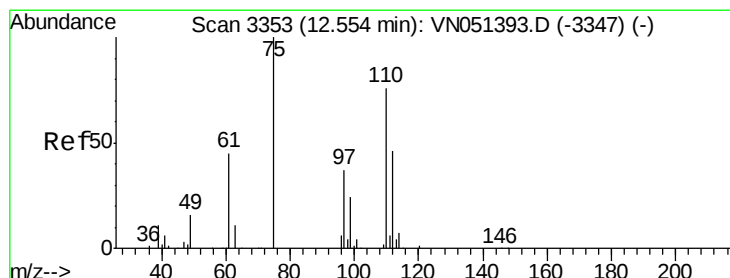
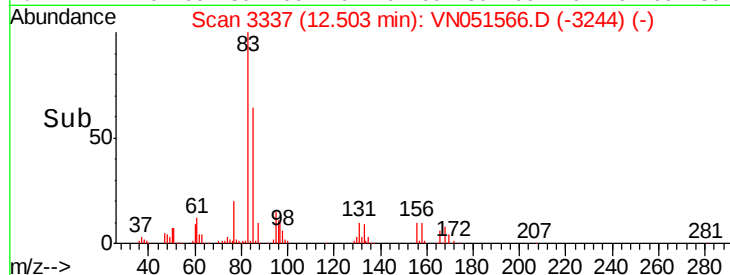
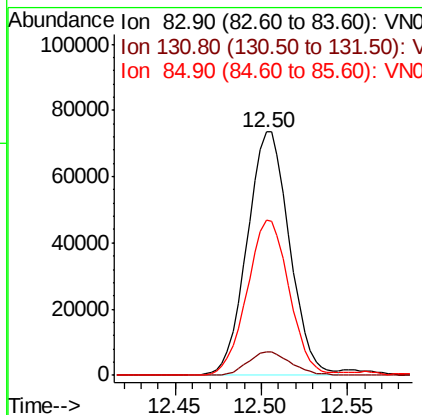
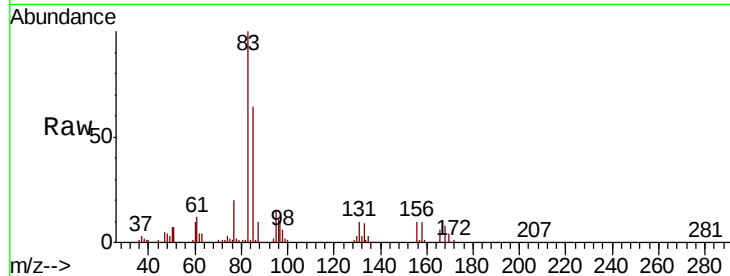
ClientSampleId :

VN0927WBSD02

Tot Ion:	83	Resp:	125496
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.3	15.9
85	63.7	31.6	95.0

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:18:45 PM



#76

1,2,3-Trichloropropane

Concen: 21.249 ug/l m

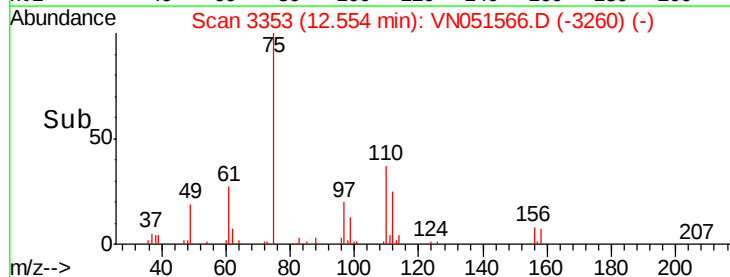
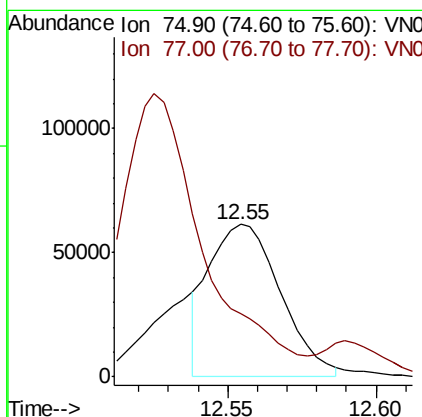
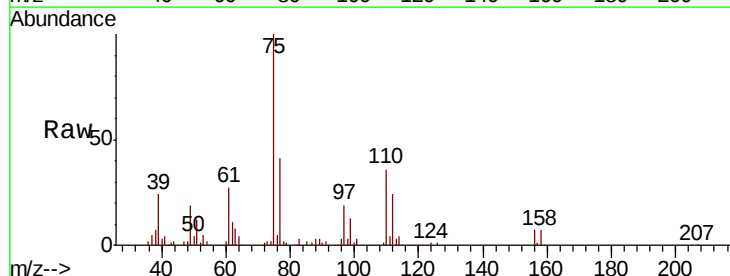
RT: 12.55 min Scan# 3353

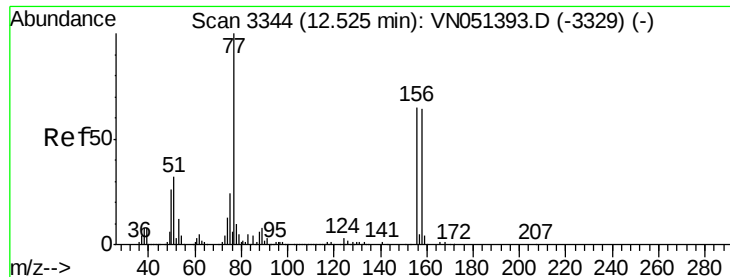
Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Tgt Ion:	75	Resp:	102832
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





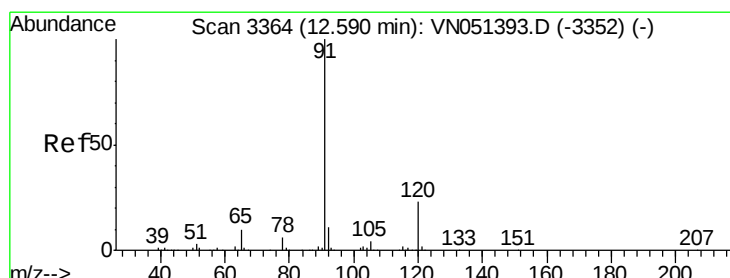
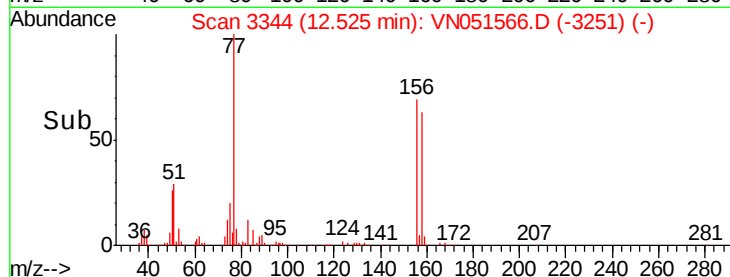
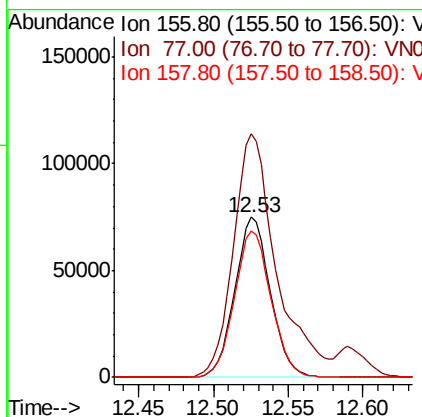
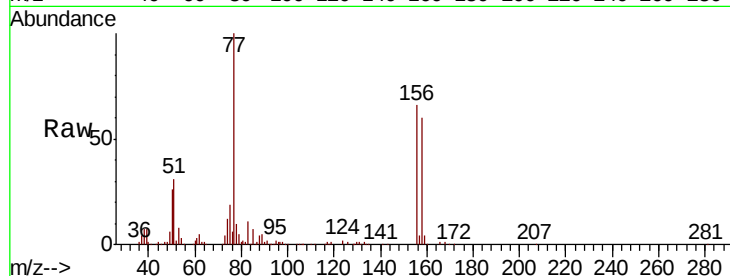
#77
Bromobenzene
Concen: 19.908 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	183.8	89.5	268.4
158	93.6	49.4	148.2

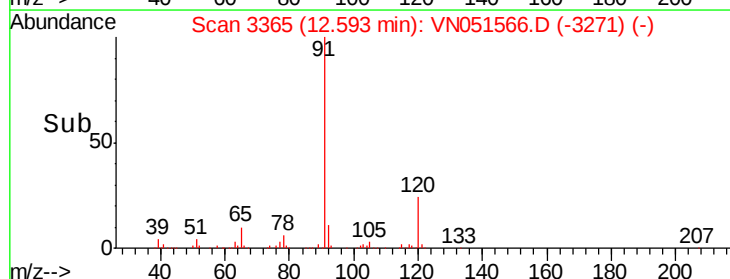
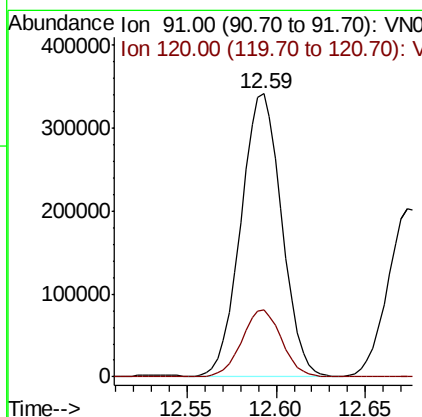
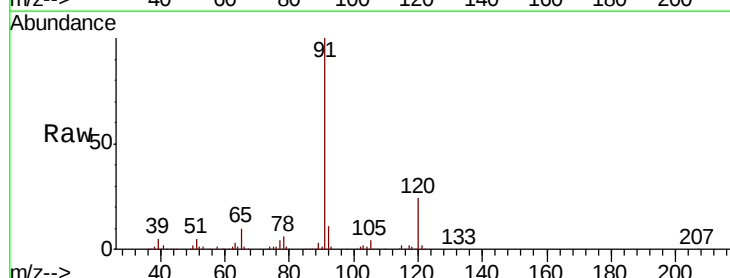
Manual Integrations
APPROVED

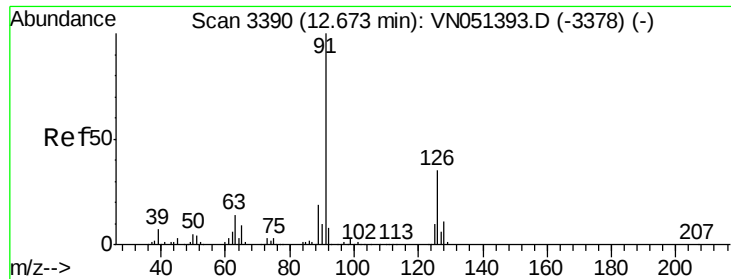
MMDadoda
9/27/2018 3:18:45 PM



#78
n-propylbenzene
Concen: 19.585 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.541 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD02

Tot Ion: 91 Resp: 340841

Ion Ratio Lower Upper

91 100

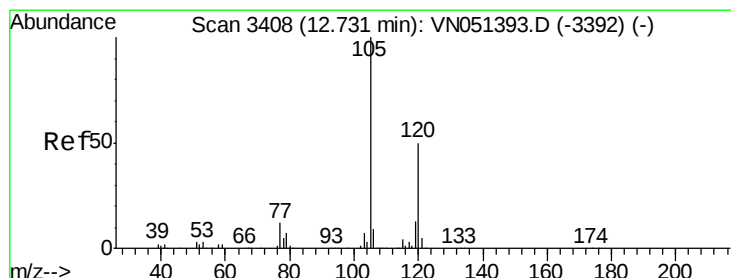
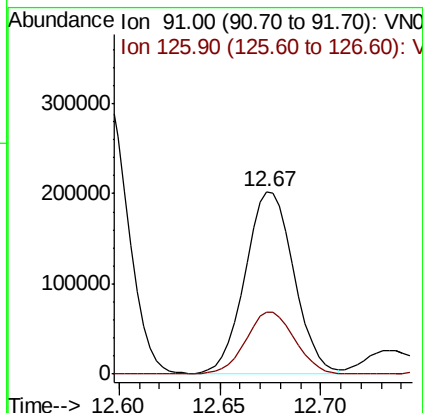
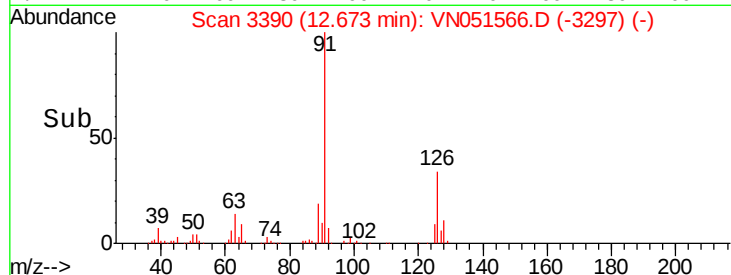
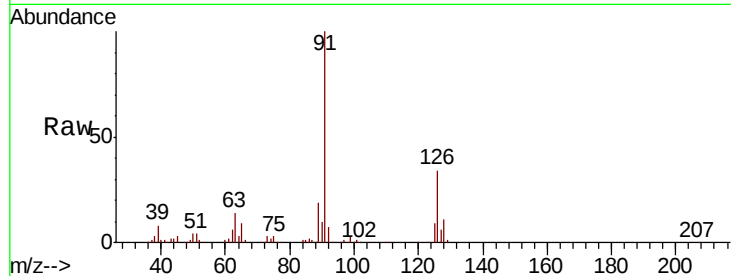
126 34.5 17.6 52.8

Manual Integrations

APPROVED

MMDadoda

9/27/2018 3:18:45 PM



#80

1,3,5-Trimethylbenzene

Concen: 19.730 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051566.D

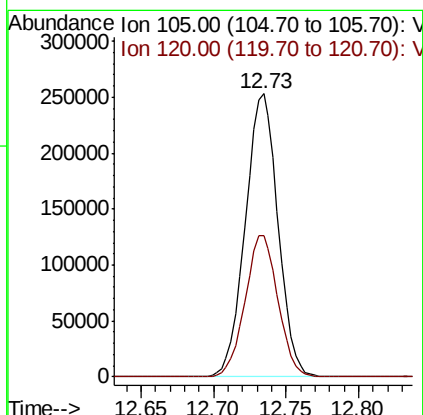
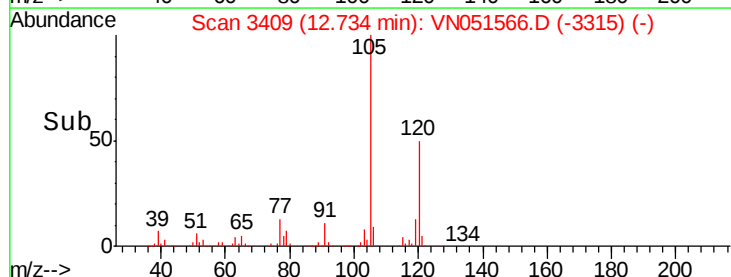
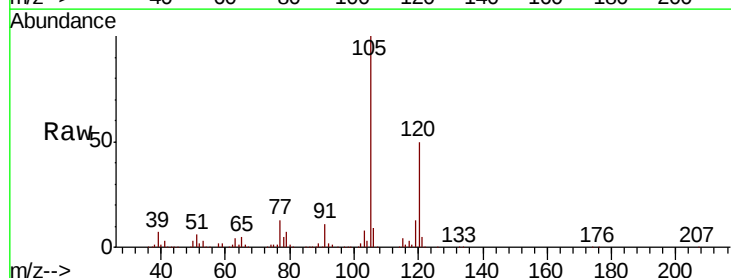
Acq: 27 Sep 2018 6:22

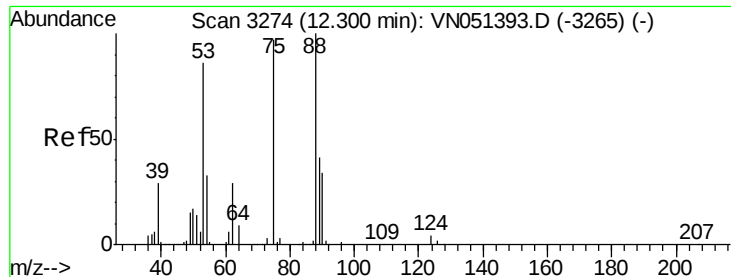
Tgt Ion: 105 Resp: 395719

Ion Ratio Lower Upper

105 100

120 50.2 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 16.424 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

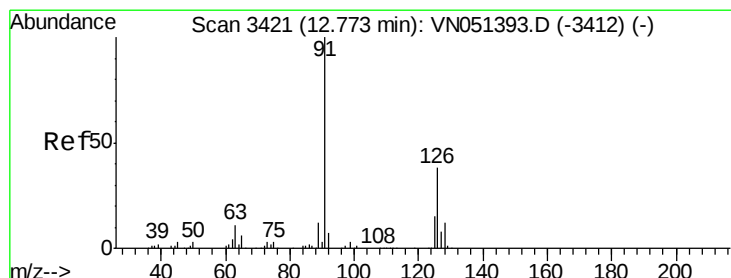
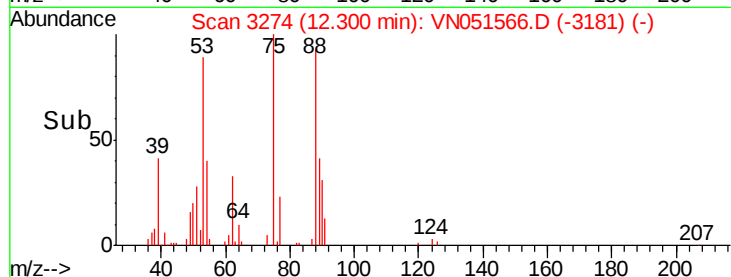
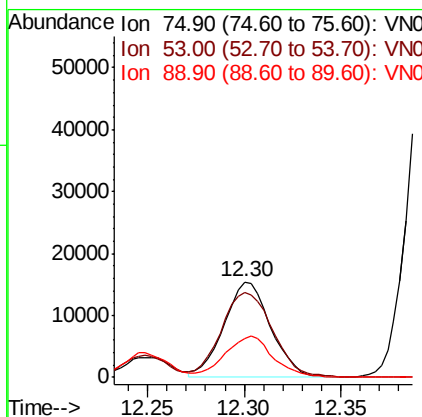
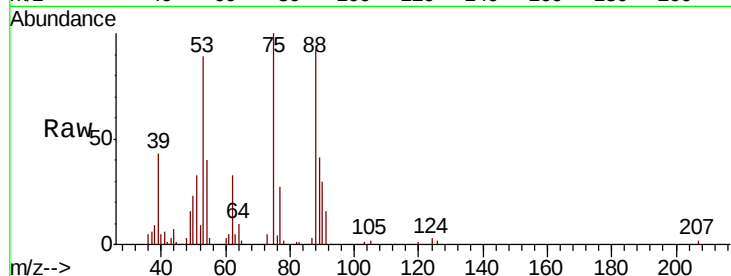
ClientSampleId :

VN0927WBSD02

Tot Ion:	75	Resp:	25849
Ion	Ratio	Lower	Upper
75	100		
53	98.5	73.9	110.9
89	44.6	36.7	55.1

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:18:45 PM



#82

4-Chlorotoluene

Concen: 19.914 ug/l

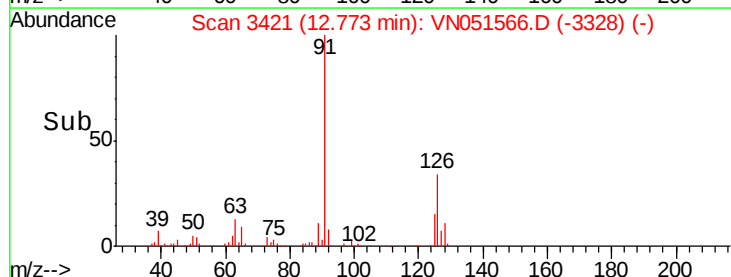
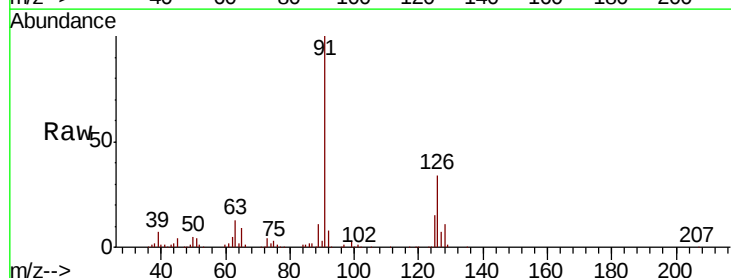
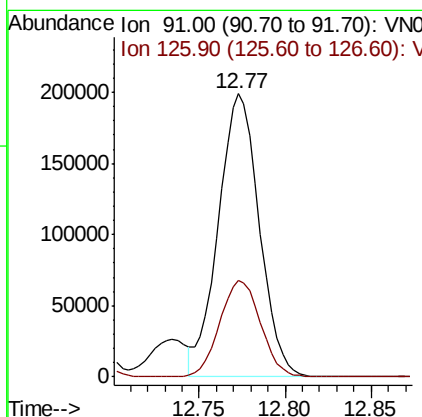
RT: 12.77 min Scan# 3421

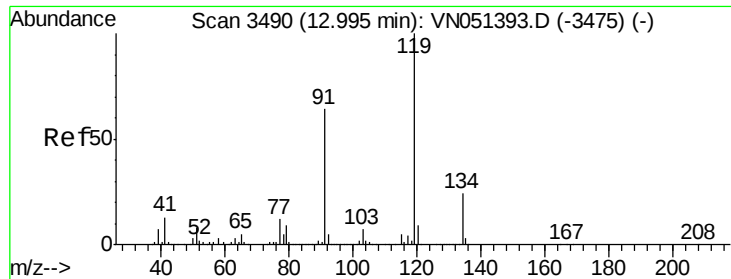
Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Tgt Ion:	91	Resp:	329808
Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.5	52.5





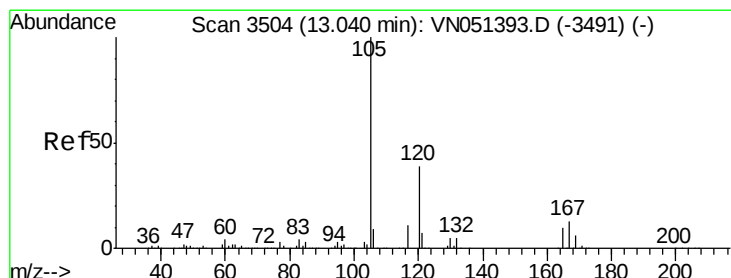
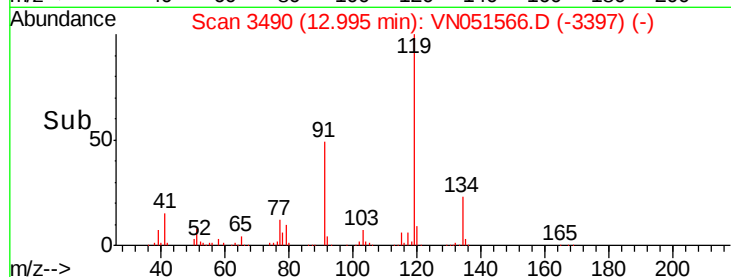
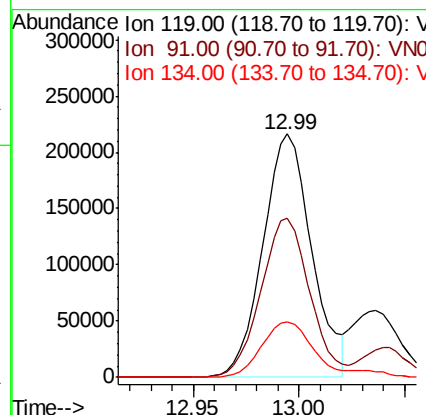
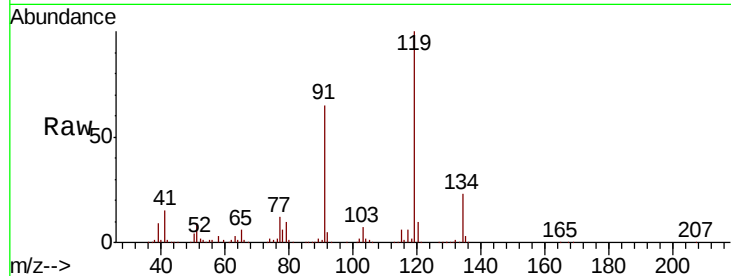
#83
 tert-Butylbenzene
 Concen: 19.582 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	349575		
91	65.4	31.7	95.1	
134	25.9	12.3	36.9	

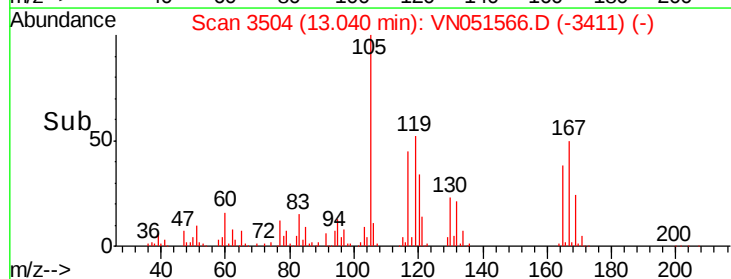
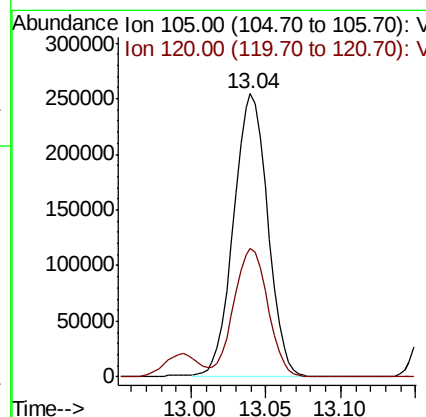
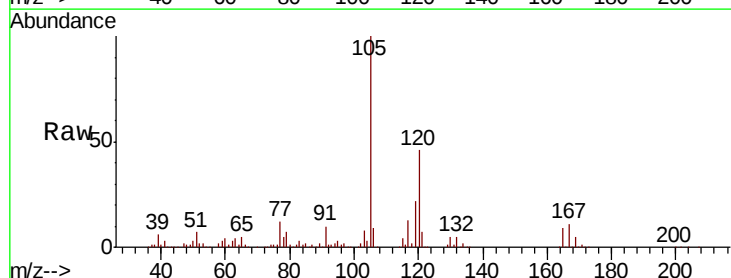
Manual Integrations
 APPROVED

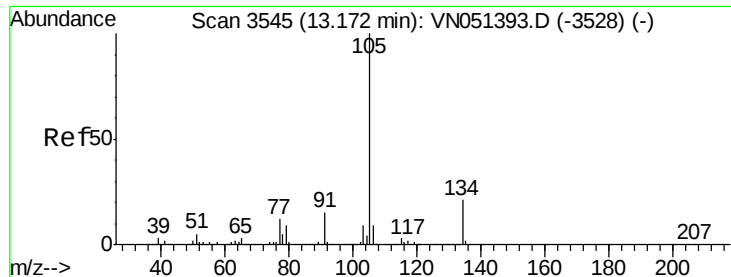
MMDadoda
 9/27/2018 3:18:45 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.961 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	403421		
120	45.9	22.9	68.7	





#85

sec-Butylbenzene

Concen: 19.785 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD02

Tot Ion:105 Resp: 477835

Ion Ratio Lower Upper

105 100

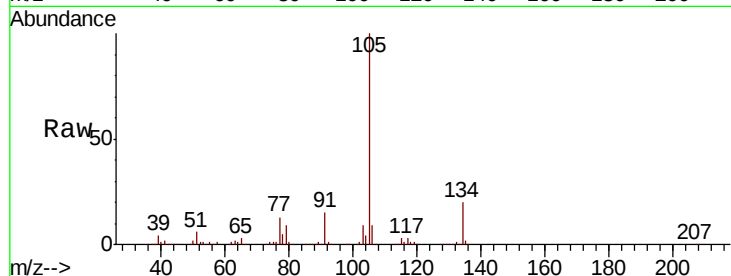
134 19.9 10.4 31.1

Manual Integrations

APPROVED

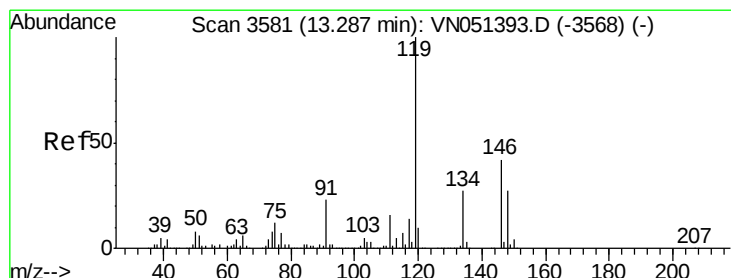
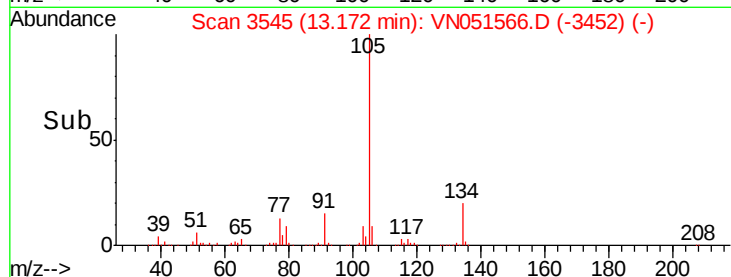
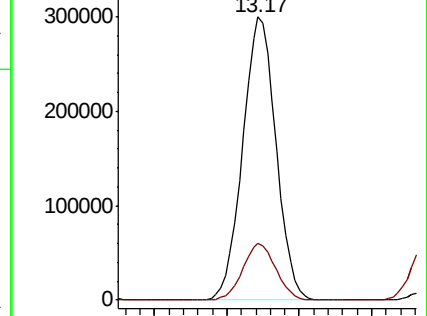
MMDadoda

9/27/2018 3:18:45 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.919 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

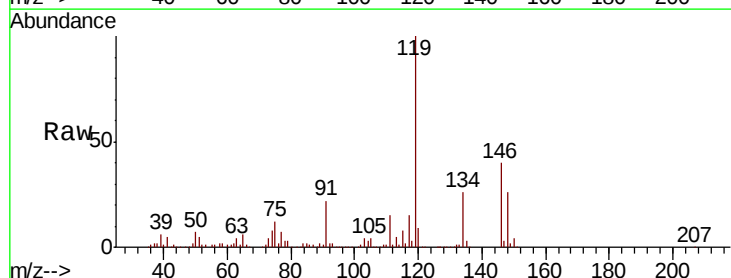
Tgt Ion:119 Resp: 395365

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

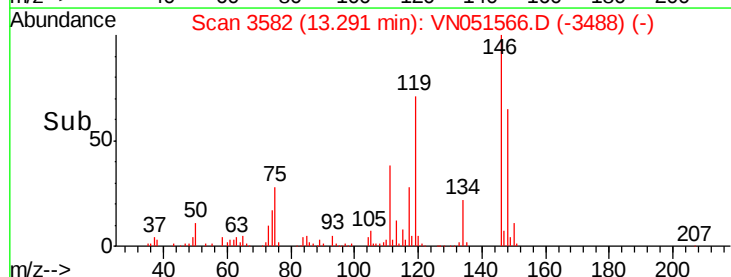
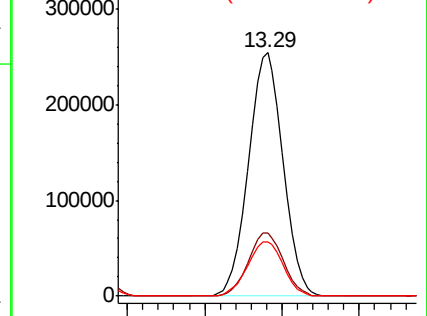
91 23.1 11.4 34.2

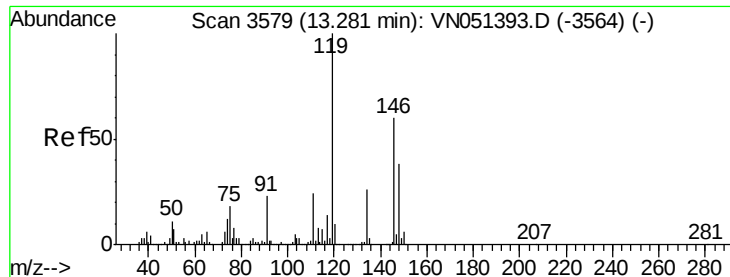


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





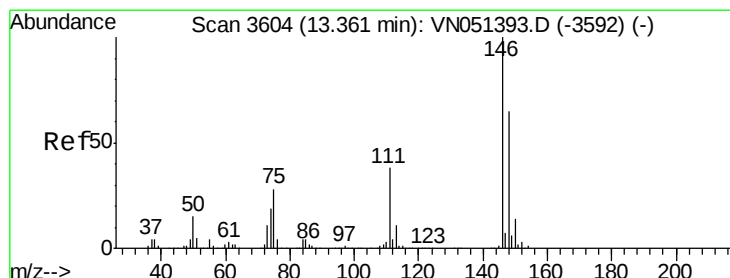
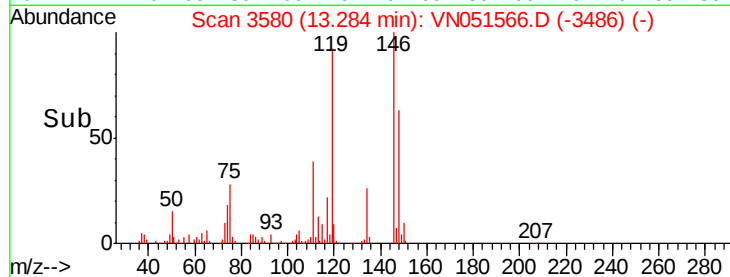
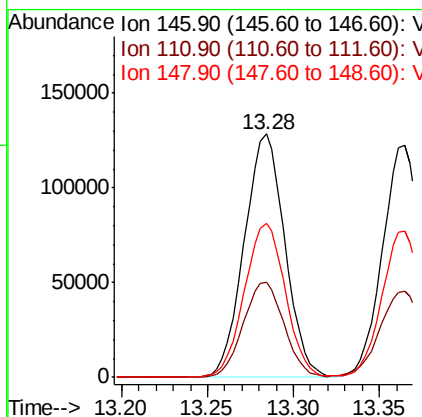
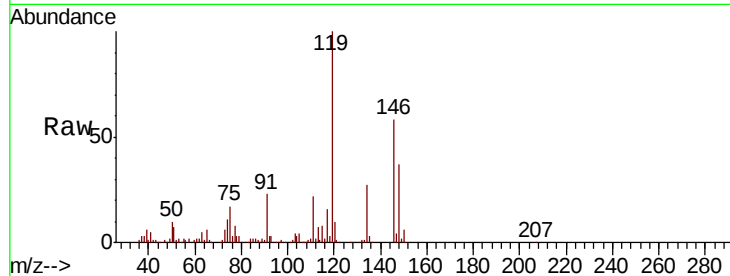
#87
 1,3-Dichlorobenzene
 Concen: 19.524 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	210374		
111	39.2	19.7	59.1	
148	63.8	31.9	95.7	

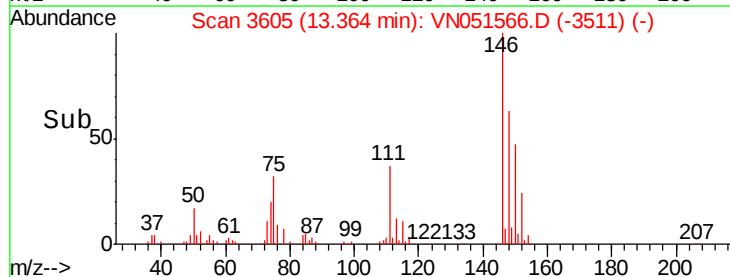
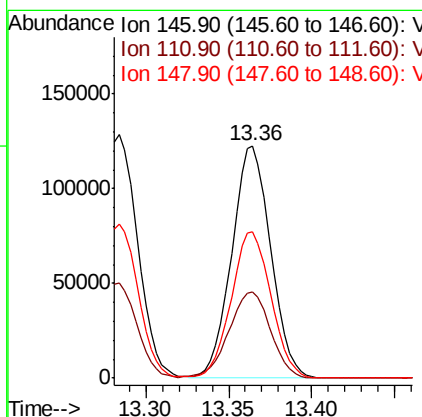
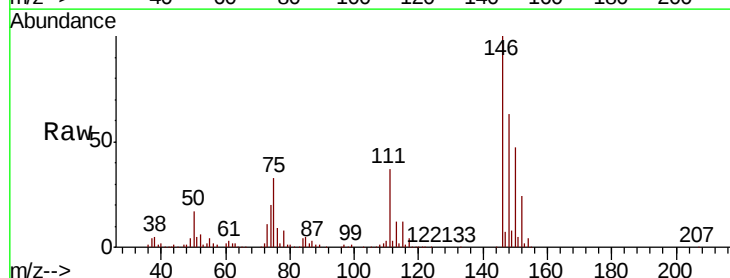
Manual Integrations
 APPROVED

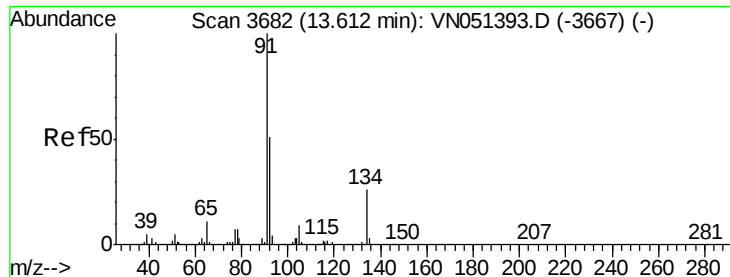
MMDadoda
 9/27/2018 3:18:45 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.274 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	199837		
111	39.7	19.1	57.1	
148	64.5	32.5	97.5	





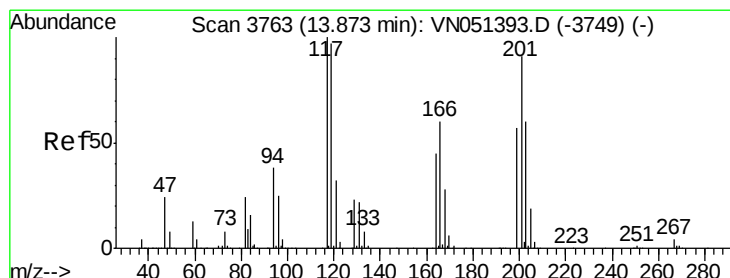
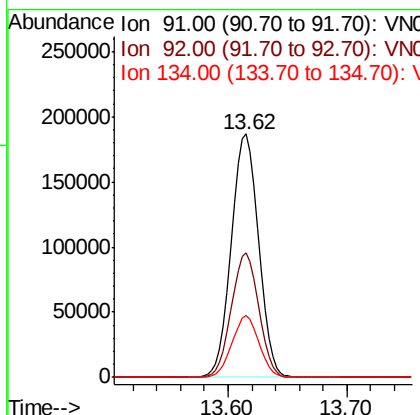
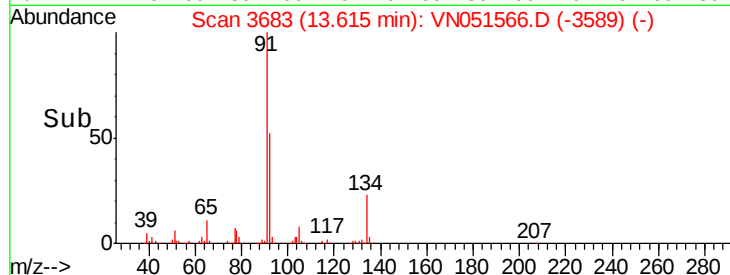
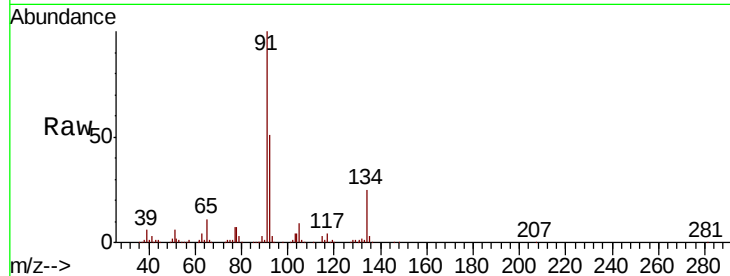
#89
n-Butylbenzene
Concen: 17.342 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.5	76.5
134	24.9	13.3	39.8

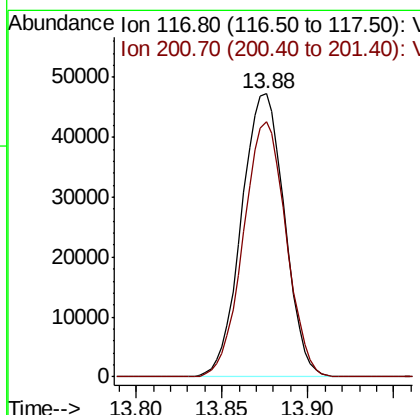
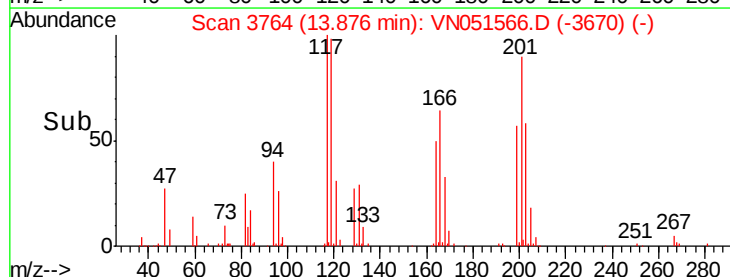
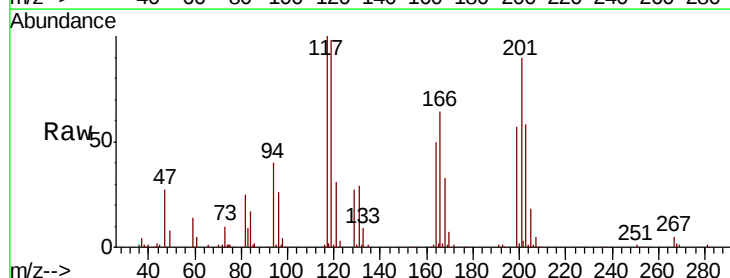
Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:18:45 PM



#90
Hexachloroethane
Concen: 19.682 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.6	45.5	136.4





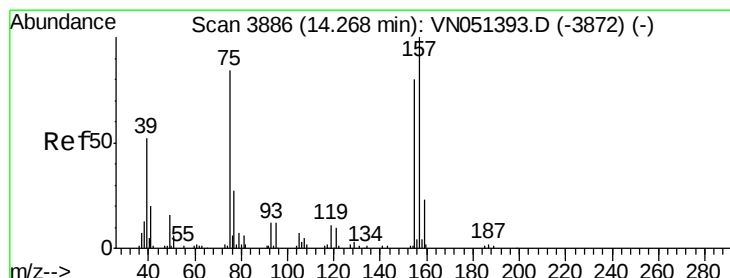
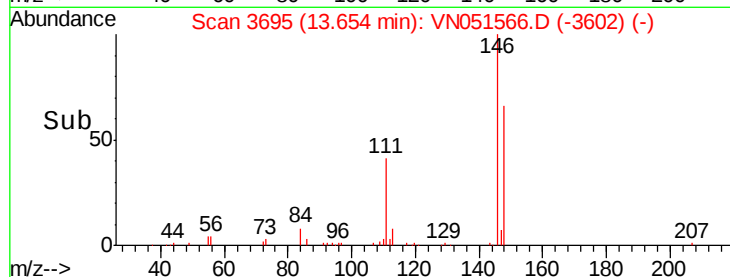
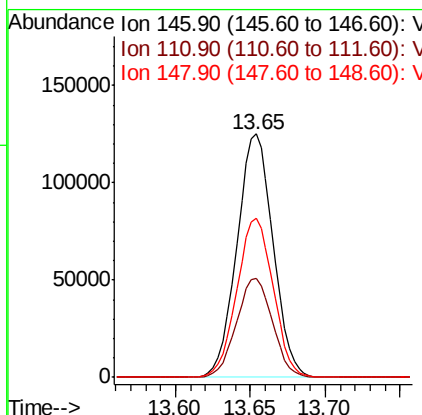
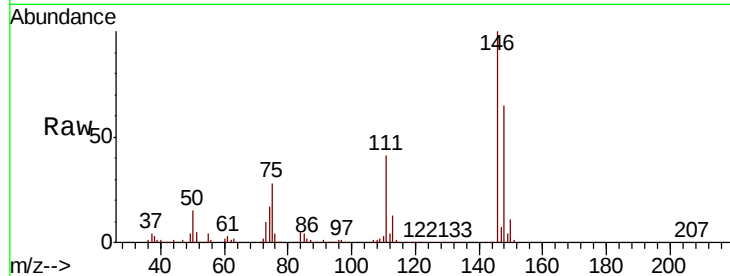
#91
 1,2-Dichlorobenzene
 Concen: 20.144 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	60.0
148	65.5	32.1	96.5

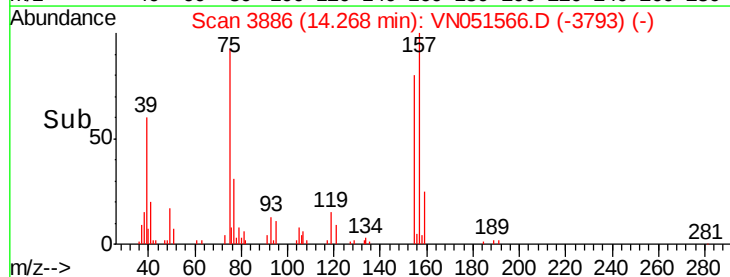
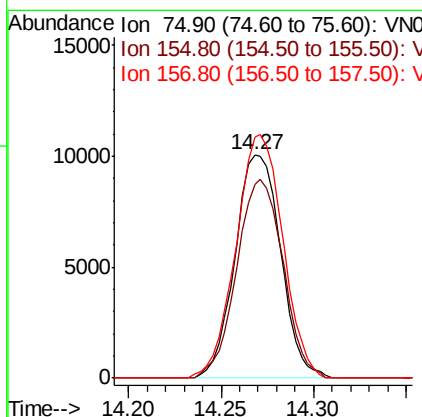
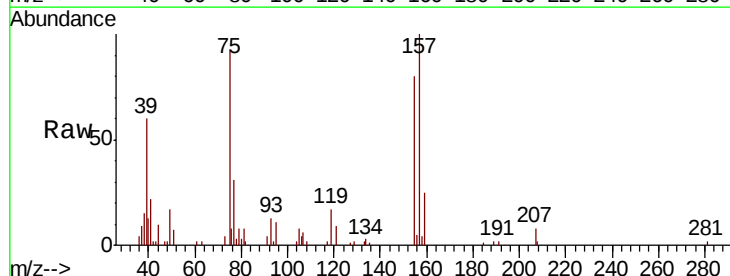
Manual Integrations
 APPROVED

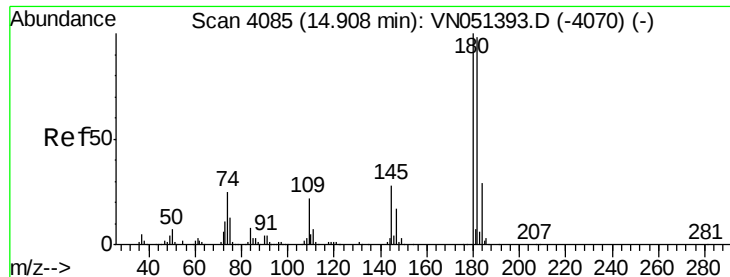
MMDadoda
 9/27/2018 3:18:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.096 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.4	46.9	140.6
157	111.9	58.4	175.1





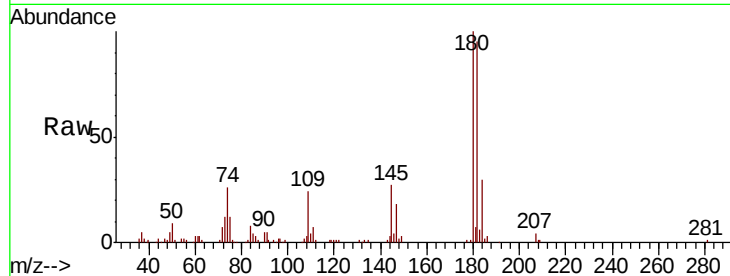
#93
 1,2,4-Trichlorobenzene
 Concen: 18.861 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD02

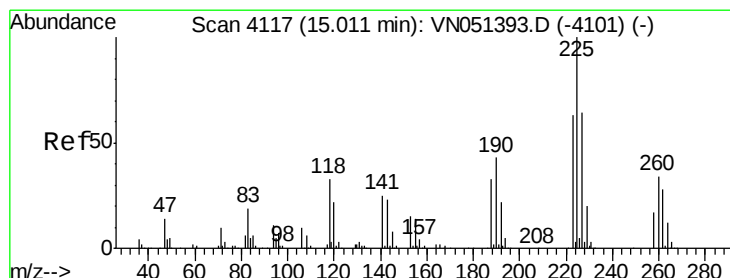
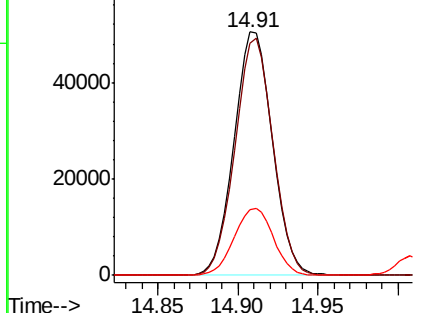
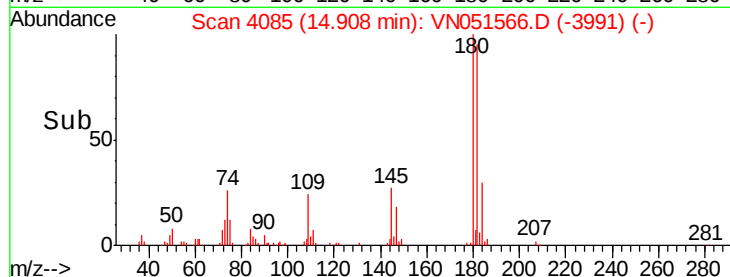
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	48.5	145.6	
145	28.1	14.1	42.4	

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:18:45 PM

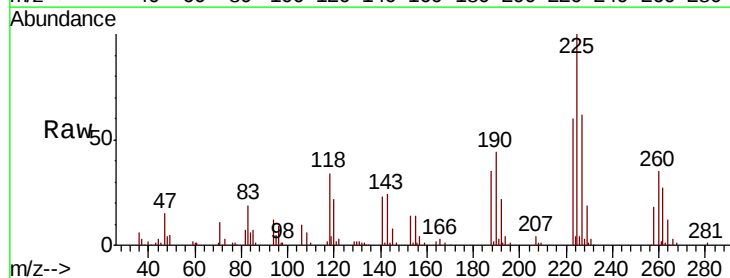


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

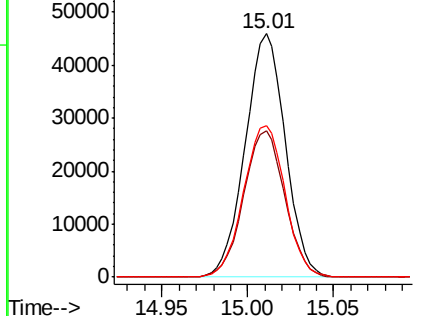
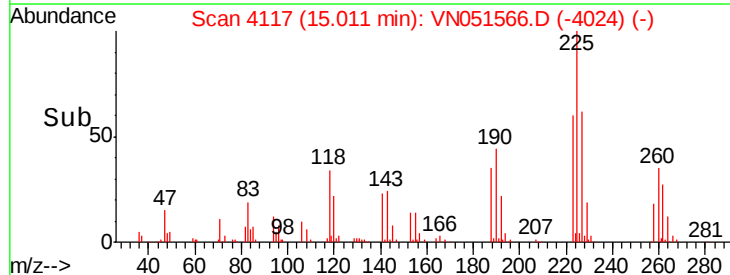


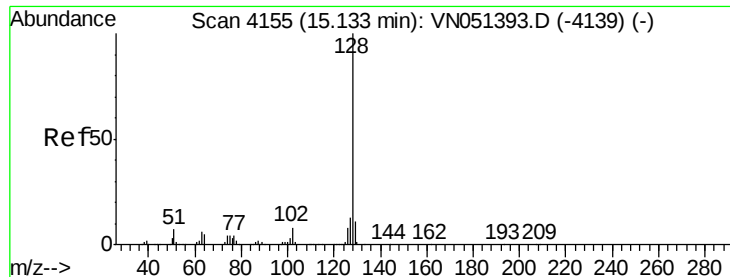
#94
 Hexachlorobutadiene
 Concen: 18.799 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.6	31.9	95.9	
227	64.2	32.5	97.5	



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





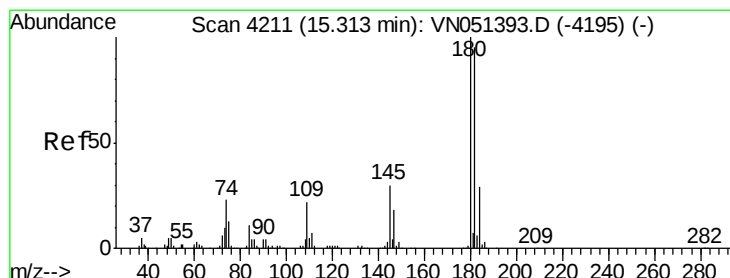
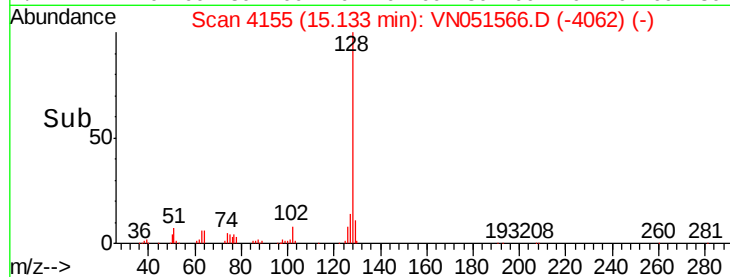
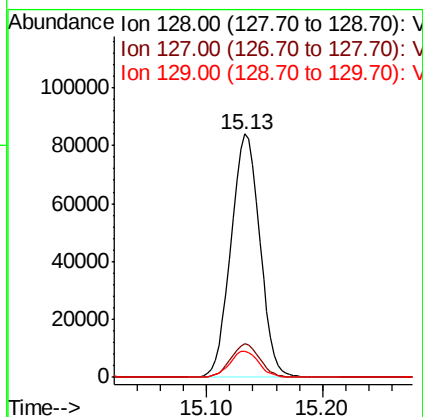
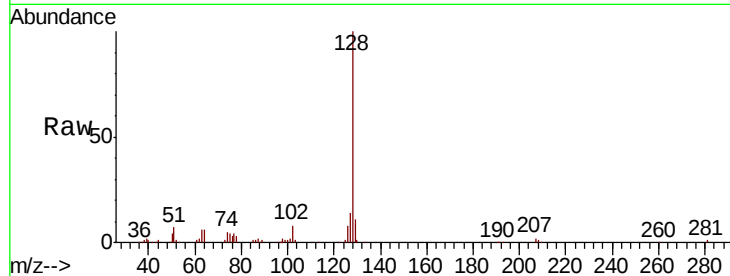
#95
Naphthalene
Concen: 19.255 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.5	15.7
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:18:45 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.928 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.2	141.6
145	28.8	14.6	43.8

