

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011619\
 Data File : VN053415.D
 Acq On : 16 Jan 2019 10:48
 Operator : JC/SP
 Sample : VN0116WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/17/2019 9:41:17 AM

Quant Time: Jan 17 04:05:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	774849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1159945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1044131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	518630	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	395509	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
35) Dibromofluoromethane	7.59	113	349617	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	
50) Toluene-d8	10.09	98	1414103	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.40	95	489797	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	127804	20.515	ug/l	99
3) Chloromethane	2.06	50	178961	20.092	ug/l	98
4) Vinyl Chloride	2.19	62	173780	20.240	ug/l	99
5) Bromomethane	2.57	94	118186	20.061	ug/l	96
6) Chloroethane	2.71	64	104368	20.105	ug/l	96
7) Trichlorofluoromethane	3.02	101	235933	21.008	ug/l	100
8) Diethyl Ether	3.41	74	90578	21.474	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	148615	20.895	ug/l	100
10) Methyl Iodide	3.96	142	215440	19.822	ug/l	100
11) Tert butyl alcohol	4.77	59	43912	117.176	ug/l	100
12) 1,1-Dichloroethene	3.74	96	141941	20.575	ug/l	98
13) Acrolein	3.61	56	61500	99.190	ug/l	99
14) Allyl chloride	4.33	41	236828	21.135	ug/l	99
15) Acrylonitrile	4.99	53	274116	111.145	ug/l	99
16) Acetone	3.82	43	185614	103.299	ug/l	98
17) Carbon Disulfide	4.06	76	414966	19.891	ug/l	100
18) Methyl Acetate	4.32	43	131165	21.666	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	397202	21.670	ug/l	99
20) Methylene Chloride	4.55	84	166848	20.338	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	152895	20.731	ug/l	99
22) Diisopropyl ether	5.95	45	499877	21.369	ug/l	100
23) Vinyl Acetate	5.90	43	1580153	109.887	ug/l	100
24) 1,1-Dichloroethane	5.85	63	288006	20.826	ug/l	99
25) 2-Butanone	6.83	43	309573	111.801	ug/l	99
26) 2,2-Dichloropropane	6.83	77	216970	20.780	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	177768	21.078	ug/l	99
28) Bromochloromethane	7.19	49	117678	19.316	ug/l	99
29) Tetrahydrofuran	7.21	42	203466	112.873	ug/l	99
30) Chloroform	7.37	83	287179	21.314	ug/l	95
31) Cyclohexane	7.65	56	279625	20.646	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	238460	20.864	ug/l	99
36) 1,1-Dichloropropene	7.79	75	216528	20.497	ug/l	99
37) Ethyl Acetate	6.93	43	136924	22.529	ug/l	99
38) Carbon Tetrachloride	7.78	117	204571	20.455	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011619\
 Data File : VN053415.D
 Acq On : 16 Jan 2019 10:48
 Operator : JC/SP
 Sample : VN0116WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0116WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/17/2019 9:41:17 AM

Quant Time: Jan 17 04:05:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	267399	20.480	ug/l	99
40) Benzene	8.04	78	668999	20.840	ug/l	99
41) Methacrylonitrile	7.17	41	73867	20.848	ug/l	95
42) 1,2-Dichloroethane	8.12	62	204165	21.831	ug/l	99
43) Isopropyl Acetate	8.16	43	245300	22.446	ug/l	99
44) Trichloroethene	8.84	130	187629	21.077	ug/l	99
45) 1,2-Dichloropropane	9.12	63	176510	20.759	ug/l	100
46) Dibromomethane	9.21	93	103704	21.229	ug/l	99
47) Bromodichloromethane	9.40	83	212203	20.656	ug/l	98
48) Methyl methacrylate	9.20	41	120014	21.269	ug/l	99
49) 1,4-Dioxane	9.20	88	25138	456.171	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	681852	114.295	ug/l	100
52) Toluene	10.16	92	413912	20.769	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	218560	20.989	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	255601	20.939	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	147151	21.417	ug/l	98
56) Ethyl methacrylate	10.43	69	188619	20.605	ug/l	99
57) 1,3-Dichloropropane	10.71	76	252797	21.269	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	492301	102.418	ug/l	99
59) 2-Hexanone	10.75	43	471914	112.686	ug/l	100
60) Dibromochloromethane	10.90	129	161774	20.759	ug/l	99
61) 1,2-Dibromoethane	11.00	107	149196	21.470	ug/l	99
64) Tetrachloroethene	10.63	164	208098	21.149	ug/l	98
65) Chlorobenzene	11.43	112	455458	20.608	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	162162	21.091	ug/l	98
67) Ethyl Benzene	11.51	91	778179	20.661	ug/l	100
68) m/p-Xylenes	11.62	106	605180	42.556	ug/l	99
69) o-Xylene	11.95	106	292244	21.149	ug/l	100
70) Styrene	11.96	104	479902	21.399	ug/l	100
71) Bromoform	12.13	173	112345	21.225	ug/l #	99
73) Isopropylbenzene	12.25	105	775165	20.410	ug/l	100
74) N-amyl acetate	12.07	43	214995	21.235	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	166974	20.963	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	153088m	22.399	ug/l	
77) Bromobenzene	12.53	156	204076	20.392	ug/l	99
78) n-propylbenzene	12.59	91	895647	20.544	ug/l	100
79) 2-Chlorotoluene	12.67	91	533785	20.656	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	645346	20.884	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	50775	20.382	ug/l	96
82) 4-Chlorotoluene	12.77	91	540988	20.529	ug/l	99
83) tert-Butylbenzene	12.99	119	565353	20.714	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	654583	21.009	ug/l	100
85) sec-Butylbenzene	13.17	105	768153	20.522	ug/l	100
86) p-Isopropyltoluene	13.29	119	675254	20.777	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	365768	20.778	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	360481	20.414	ug/l	99
89) n-Butylbenzene	13.62	91	568439	20.519	ug/l	99
90) Hexachloroethane	13.88	117	102239	20.058	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	348855	21.540	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24155	23.916	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011619\
Data File : VN053415.D
Acq On : 16 Jan 2019 10:48
Operator : JC/SP
Sample : VN0116WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Manual Integrations
APPROVED

MMDadoda
1/17/2019 9:41:17 AM

Quant Time: Jan 17 04:05:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:10:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	149748	22.563	ug/l	99
94) Hexachlorobutadiene	15.01	225	113080	22.382	ug/l	99
95) Naphthalene	15.13	128	252025	22.457	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	109113	23.142	ug/l	100

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

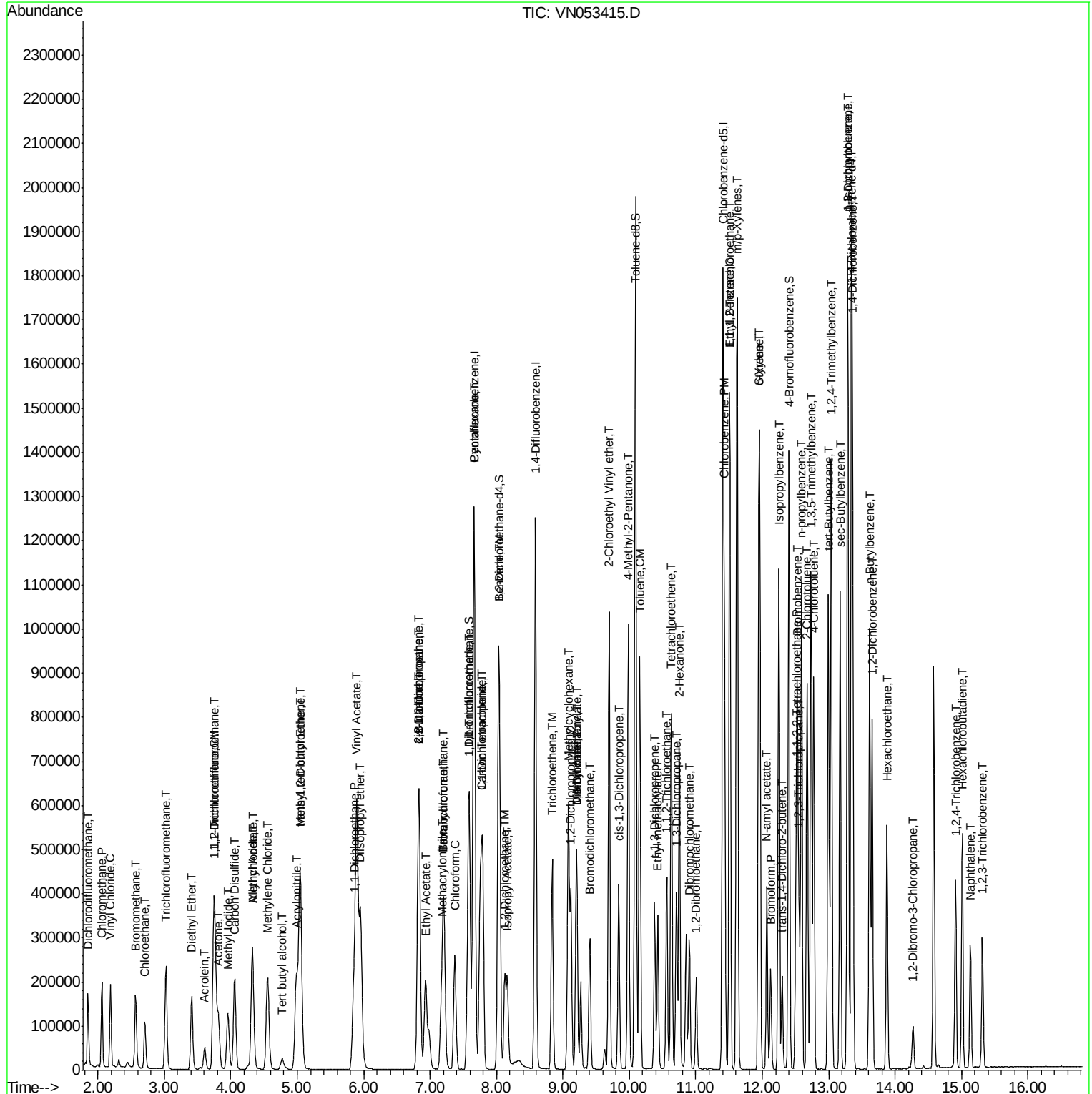
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN011619\
Data File : VN053415.D
Acq On : 16 Jan 2019 10:48
Operator : JC/SP
Sample : VN0116WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 28

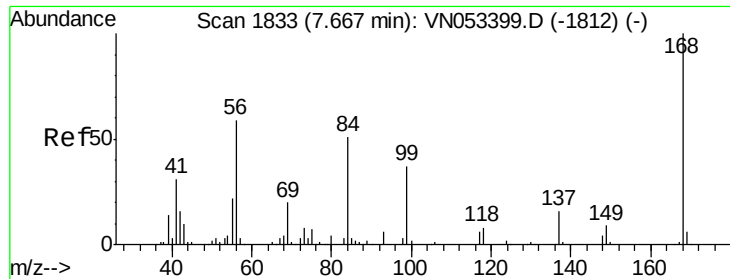
Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Manual Integrations
APPROVED

MMDadoda
1/17/2019 9:41:17 AM

Quant Time: Jan 17 04:05:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:10:53 2019
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: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

Tot Ion:168 Resp: 774849

Ion Ratio Lower Upper

168 100

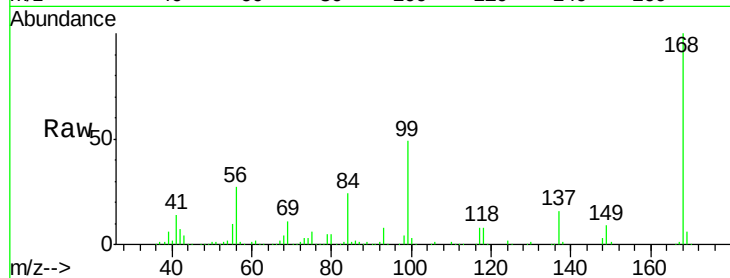
99 49.2 39.1 58.7

Manual Integrations

APPROVED

MMDadoda

1/17/2019 9:41:17 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

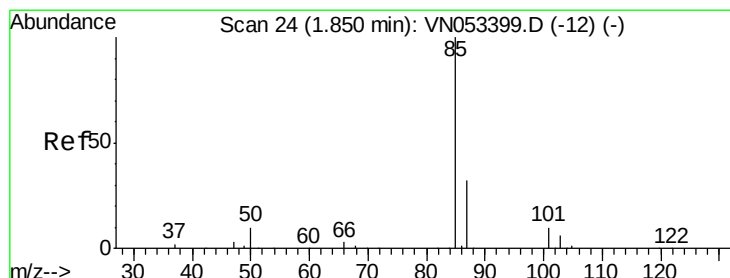
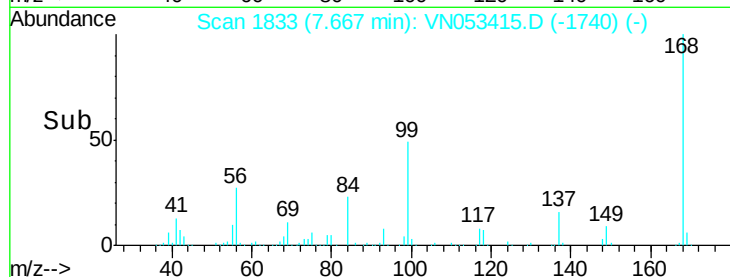
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.515 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053415.D

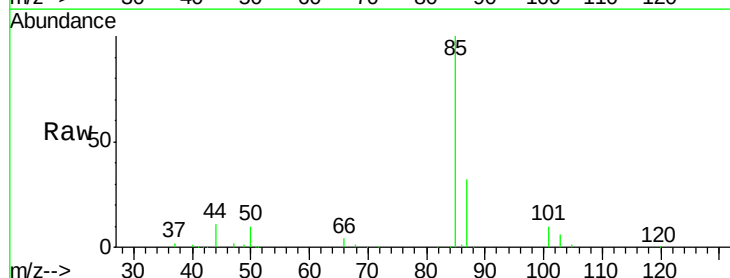
Acq: 16 Jan 2019 10:48

Tgt Ion: 85 Resp: 127804

Ion Ratio Lower Upper

85 100

87 31.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

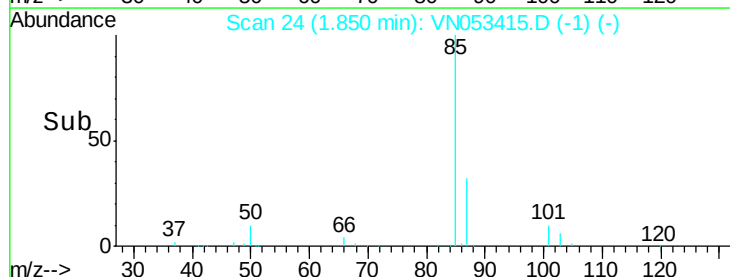
60000

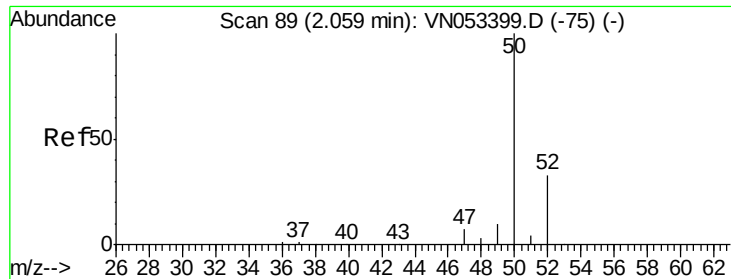
40000

20000

0

Time-->





#3

Chloromethane

Concen: 20.092 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

Tot Ion: 50 Resp: 178961

Ion Ratio Lower Upper

50 100

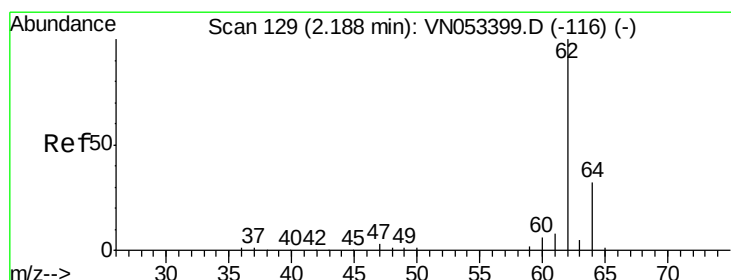
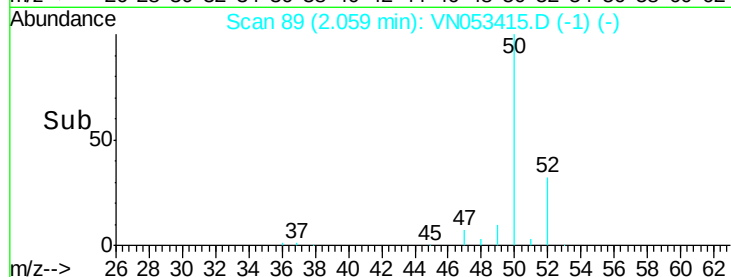
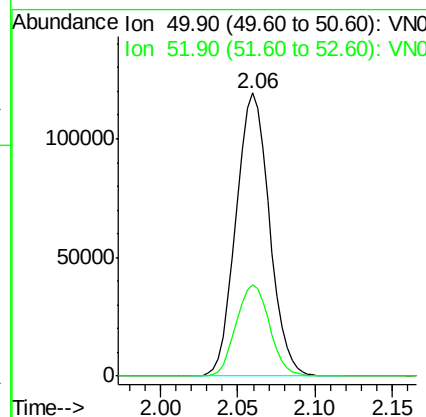
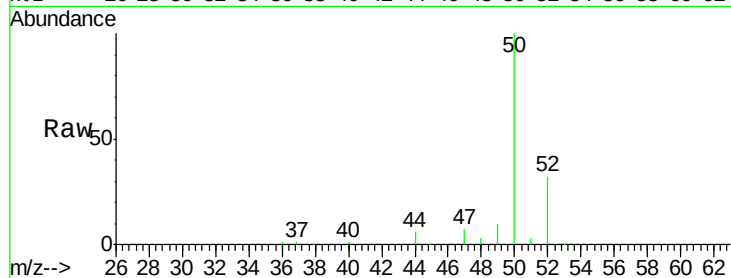
52 32.3 26.6 40.0

Manual Integrations

APPROVED

MMDadoda

1/17/2019 9:41:17 AM



#4

Vinyl Chloride

Concen: 20.240 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053415.D

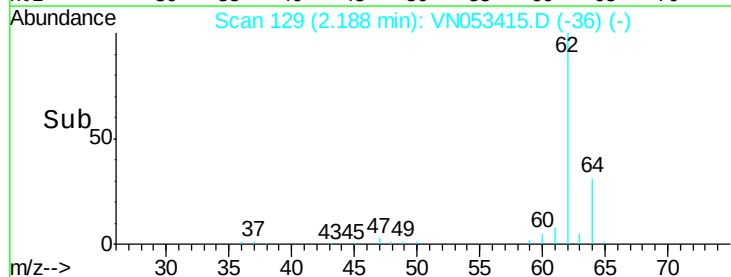
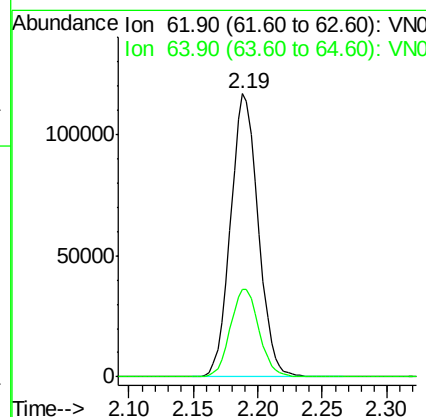
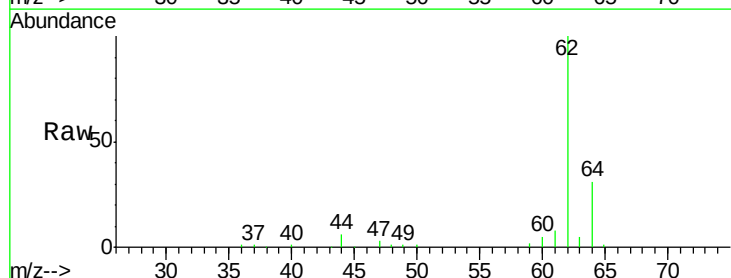
Acq: 16 Jan 2019 10:48

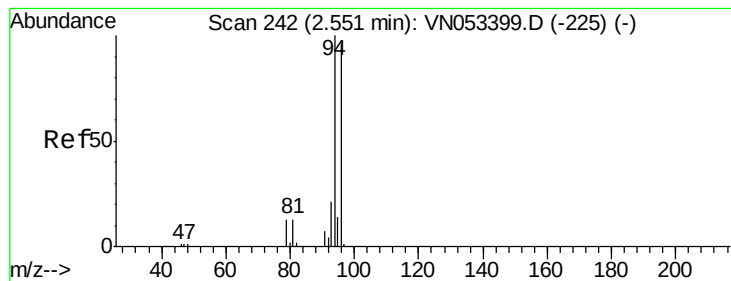
Tgt Ion: 62 Resp: 173780

Ion Ratio Lower Upper

62 100

64 31.0 25.4 38.2





#5

Bromomethane

Concen: 20.061 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.02 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

Tot Ion: 94 Resp: 118186

Ion Ratio Lower Upper

94 100

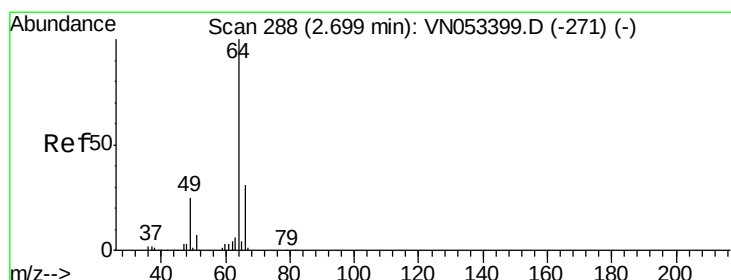
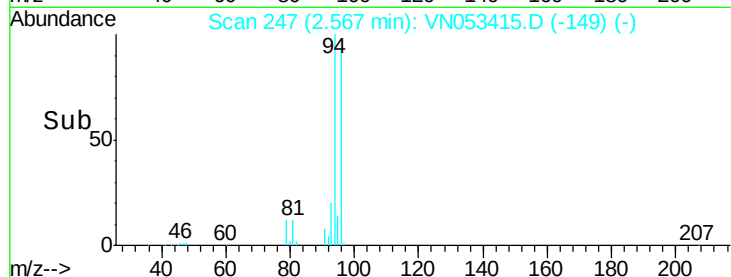
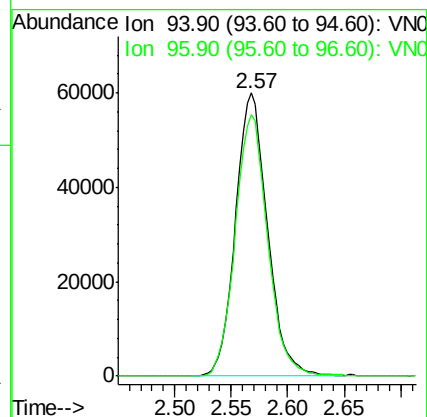
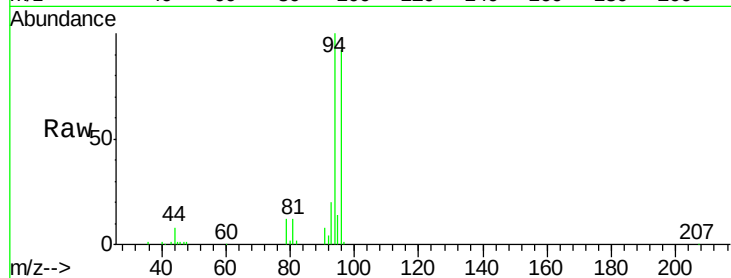
96 92.3 76.8 115.2

Manual Integrations

APPROVED

MMDadoda

1/17/2019 9:41:17 AM



#6

Chloroethane

Concen: 20.105 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN053415.D

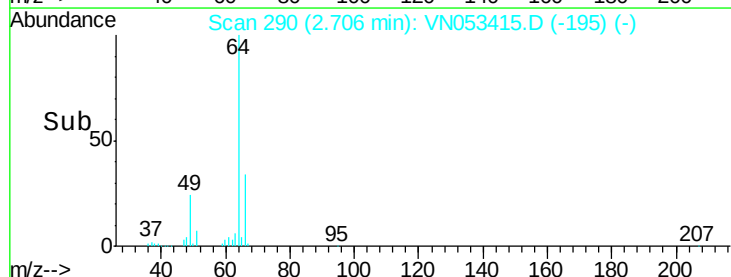
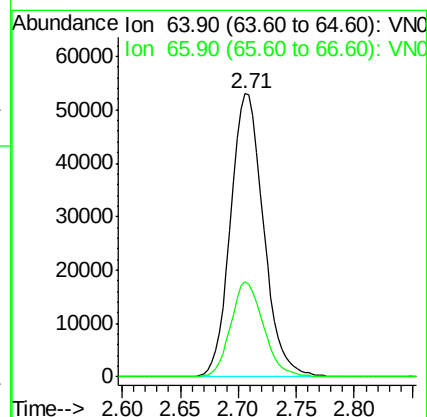
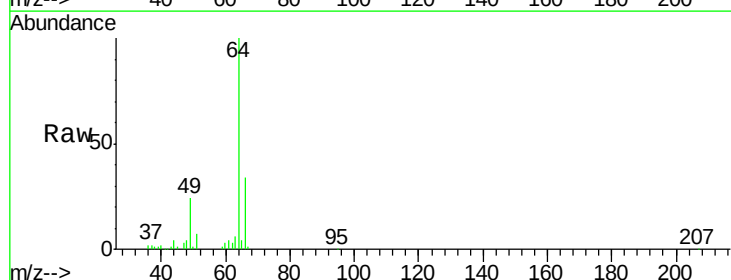
Acq: 16 Jan 2019 10:48

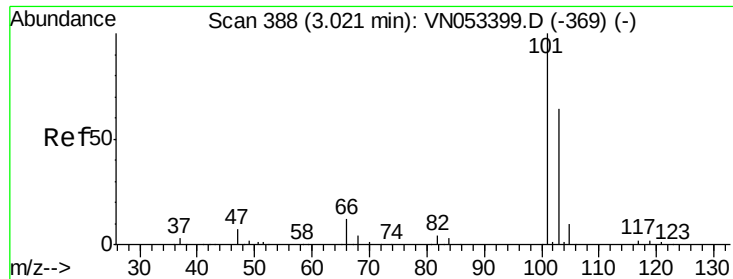
Tgt Ion: 64 Resp: 104368

Ion Ratio Lower Upper

64 100

66 33.8 25.1 37.7





#7

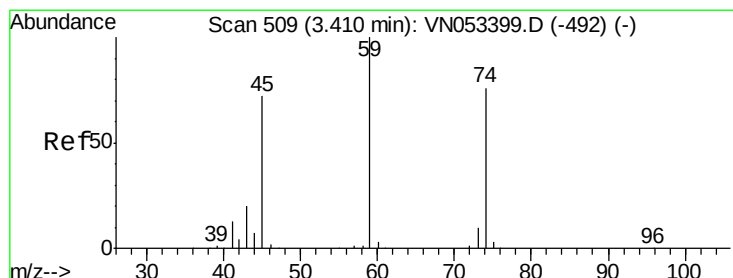
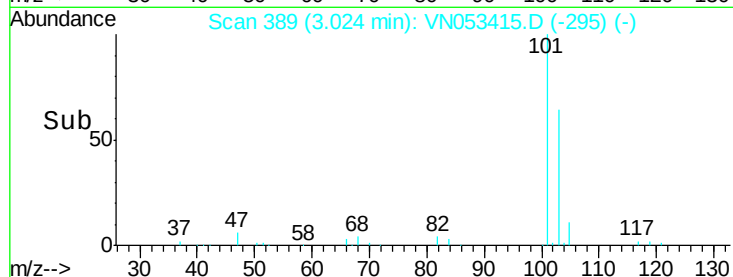
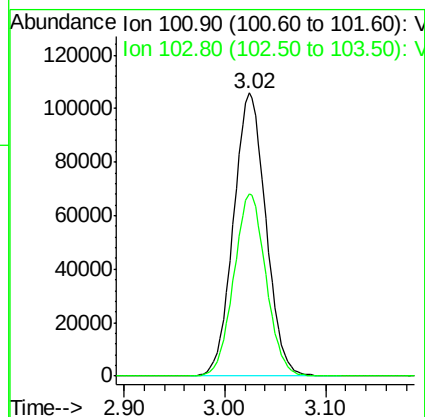
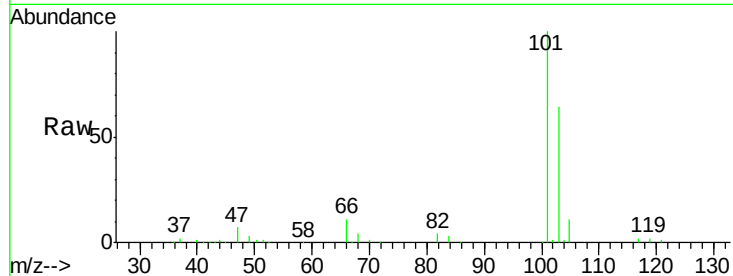
Trichlorofluoromethane
Concen: 21.008 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Tot Ion:101 Resp: 235933
Ion Ratio Lower Upper
101 100
103 64.4 51.6 77.4

Manual Integrations
APPROVED

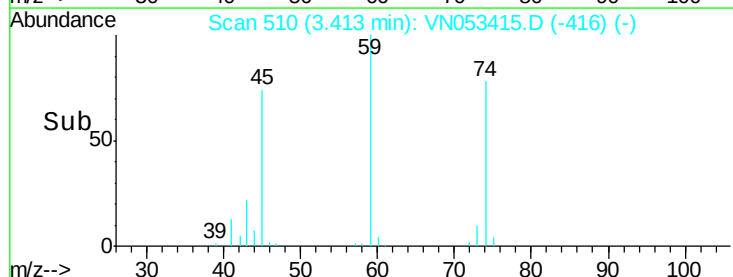
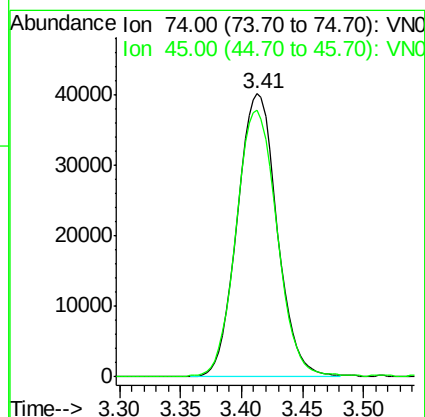
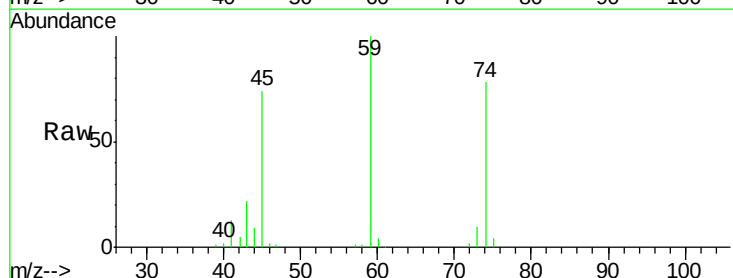
MMDadoda
1/17/2019 9:41:17 AM

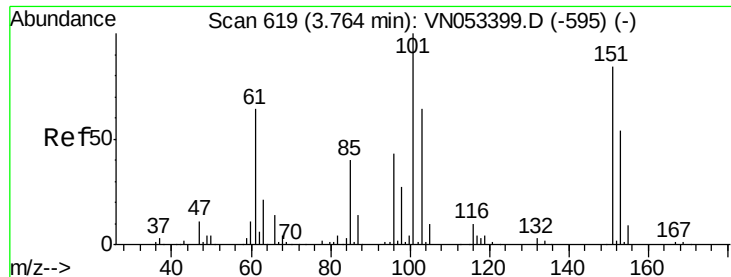


#8

Diethyl Ether
Concen: 21.474 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion: 74 Resp: 90578
Ion Ratio Lower Upper
74 100
45 97.3 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.895 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

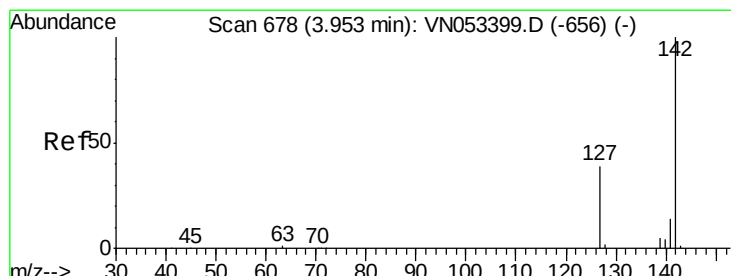
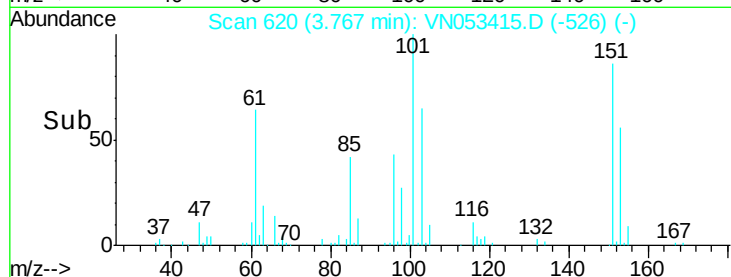
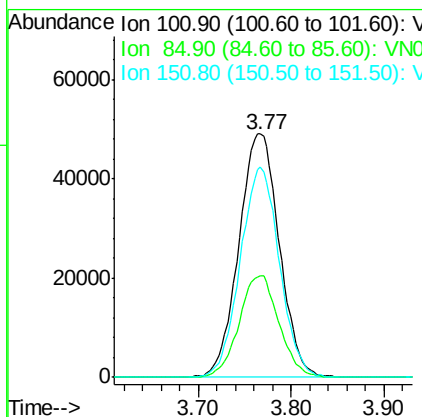
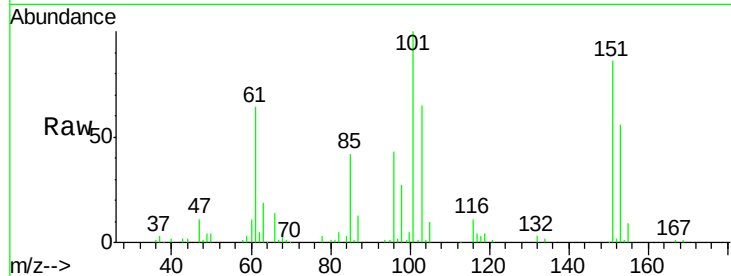
ClientSampleId :

VN0116WBS01

Tot Ion:	101	Resp:	148615
Ion Ratio	Lower	Upper	
101	100		
85	41.0	32.8	49.2
151	83.5	66.9	100.3

Manual Integrations
APPROVED

MMDadoda
1/17/2019 9:41:17 AM



#10

Methyl Iodide

Concen: 19.822 ug/l

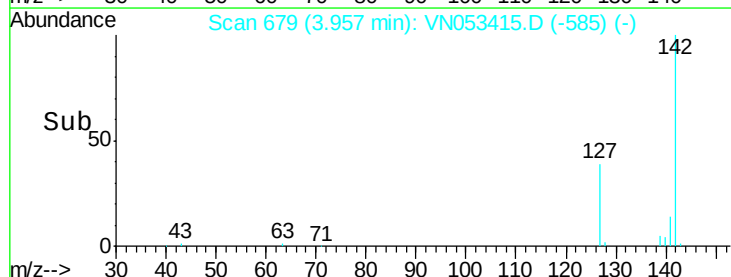
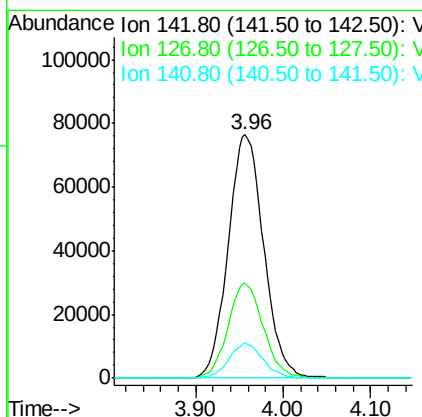
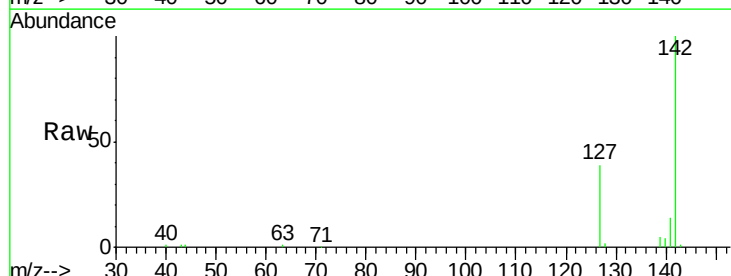
RT: 3.96 min Scan# 679

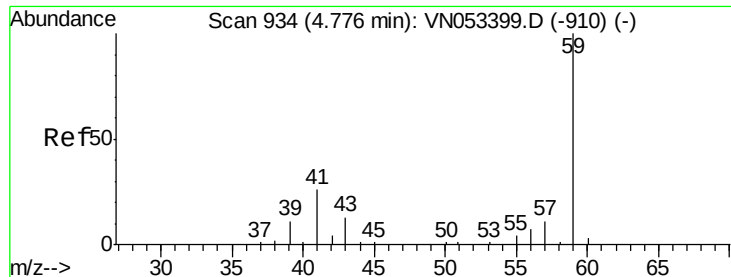
Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Tgt Ion:	142	Resp:	215440
Ion Ratio	Lower	Upper	
142	100		
127	38.7	31.0	46.4
141	13.8	11.1	16.7





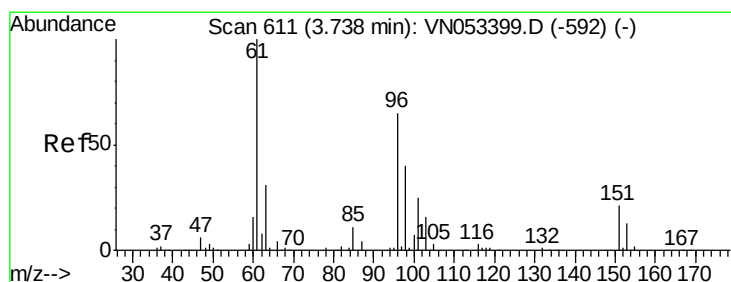
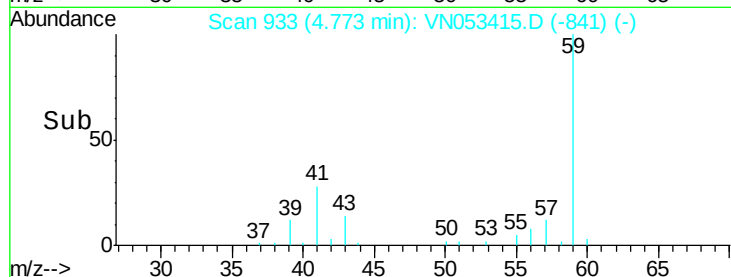
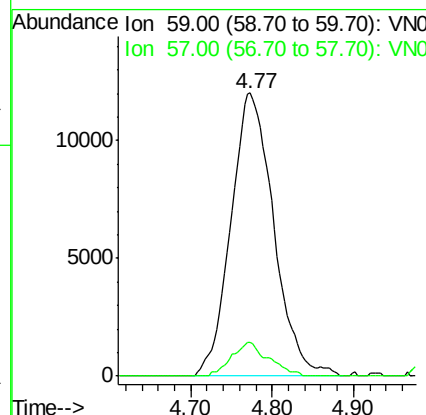
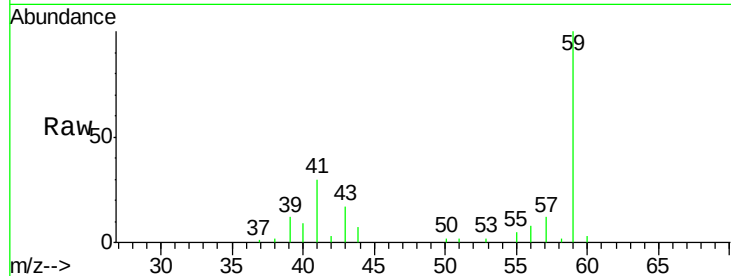
#11
Tert butyl alcohol
Concen: 117.176 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Instrument :
MSVOA_N
ClientSampled :
VN0116WBS01

Tot Ion: 59 Resp: 43912
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4

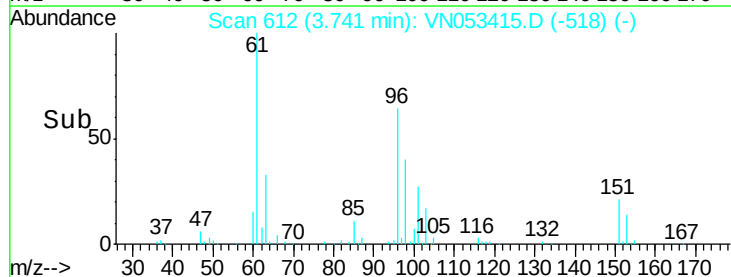
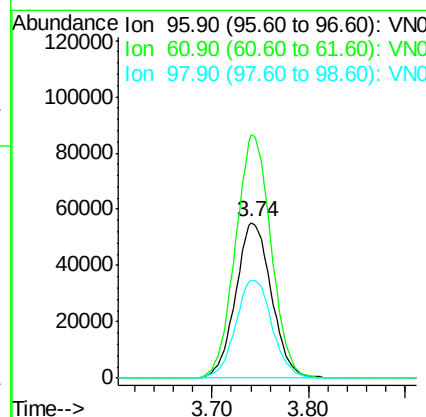
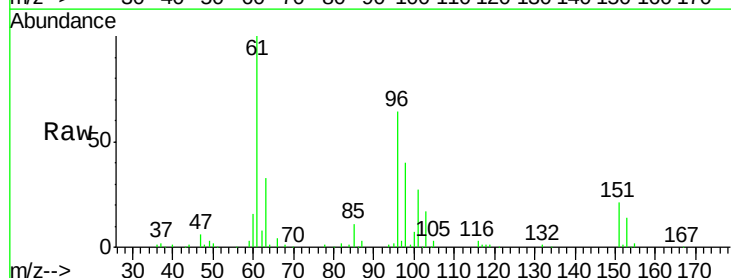
Manual Integrations
APPROVED

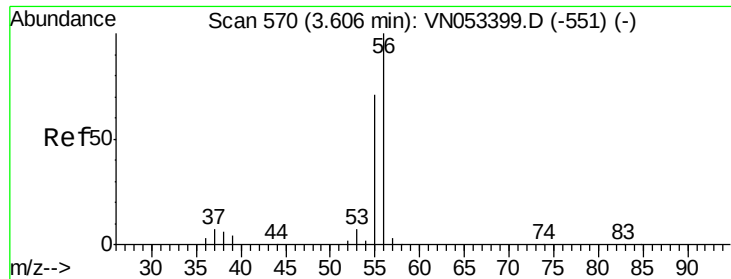
MMDadoda
1/17/2019 9:41:17 AM



#12
1,1-Dichloroethene
Concen: 20.575 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion: 96 Resp: 141941
Ion Ratio Lower Upper
96 100
61 156.8 122.9 184.3
98 63.2 49.4 74.0





#13

Acrolein

Concen: 99.190 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

Tot Ion: 56 Resp: 61500

Ion Ratio Lower Upper

56 100

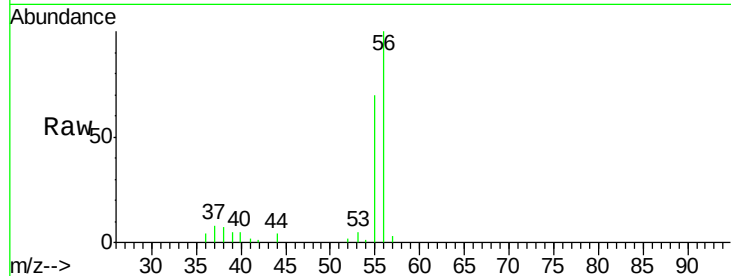
55 70.7 57.4 86.0

Manual Integrations

APPROVED

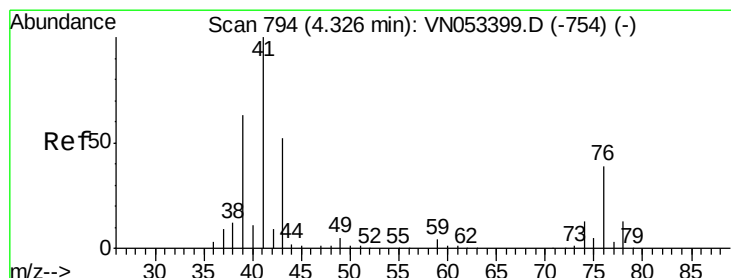
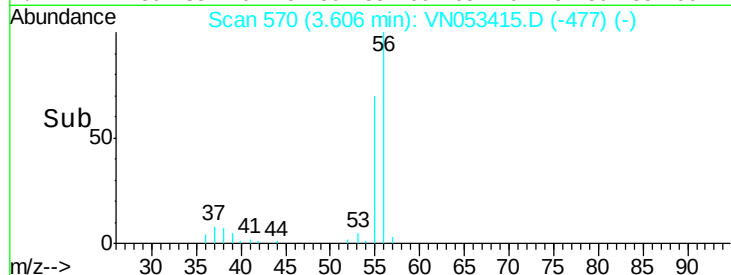
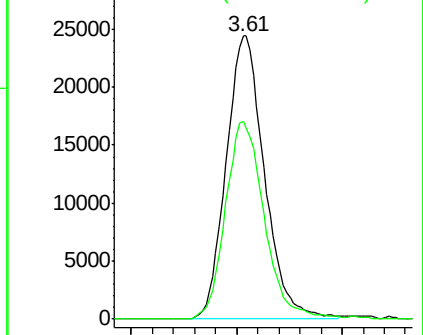
MMDadoda

1/17/2019 9:41:17 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.135 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

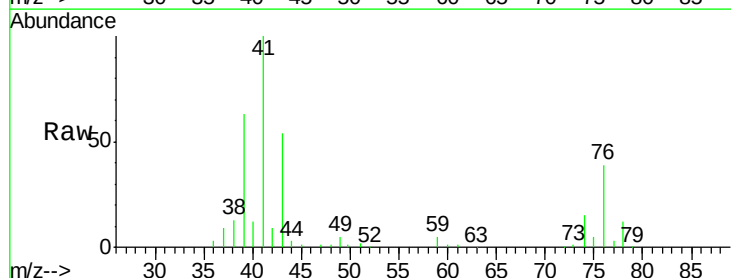
Tgt Ion: 41 Resp: 236828

Ion Ratio Lower Upper

41 100

39 60.4 48.9 73.3

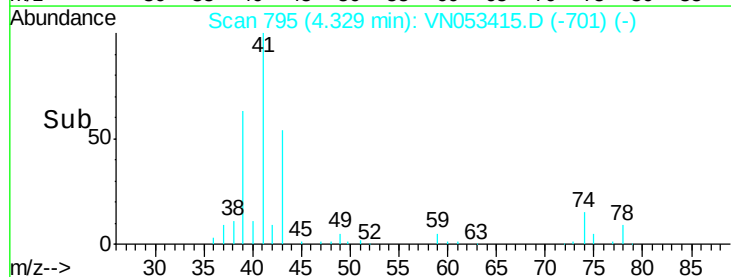
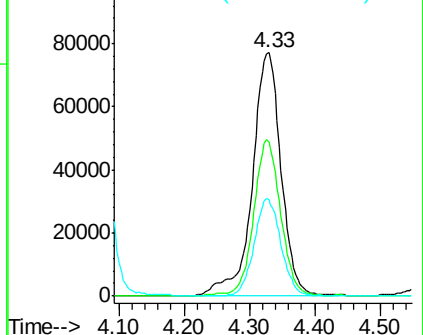
76 37.1 29.4 44.2

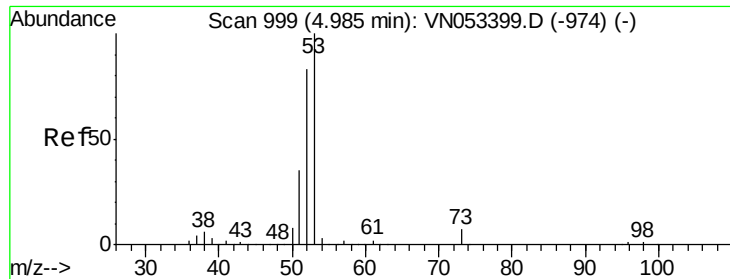


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 111.145 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

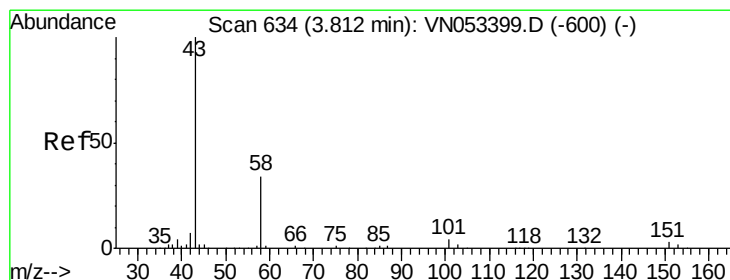
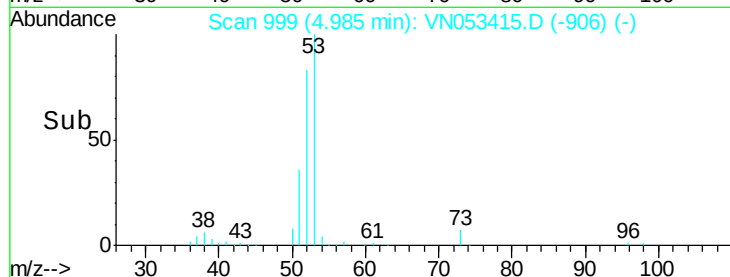
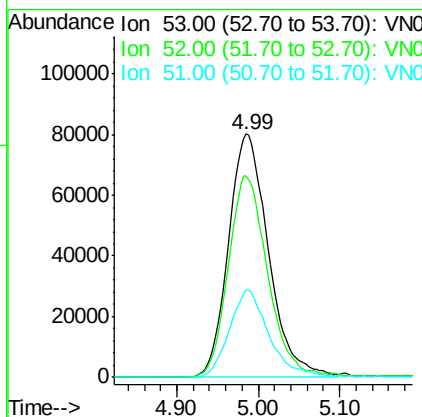
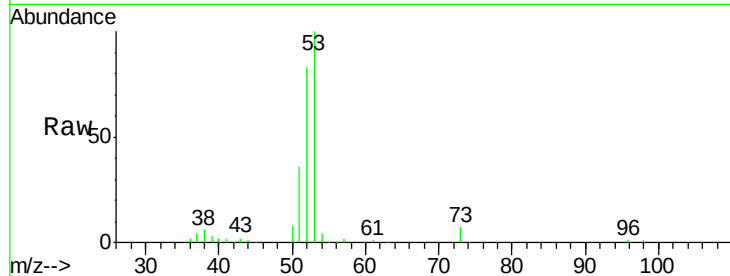
ClientSampled :

VN0116WBS01

Tot Ion:	53	Resp:	274116
Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.0	99.0
51	35.6	28.3	42.5

Manual Integrations
APPROVED

MMDadoda
1/17/2019 9:41:17 AM



#16

Acetone

Concen: 103.299 ug/l

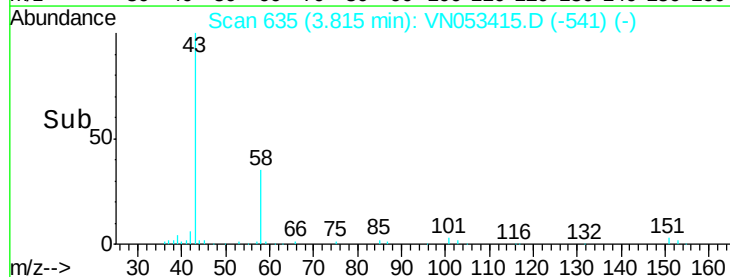
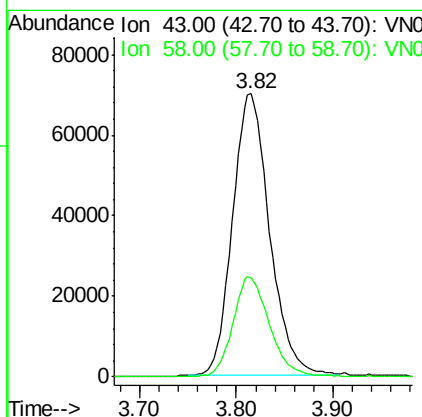
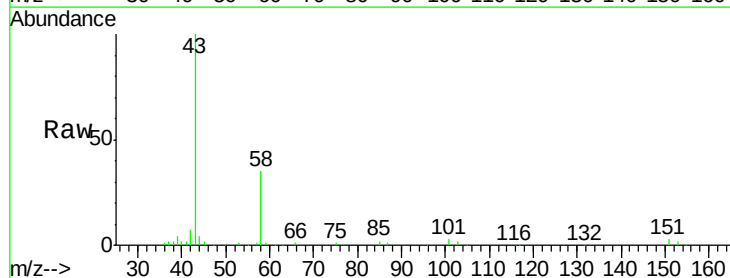
RT: 3.82 min Scan# 635

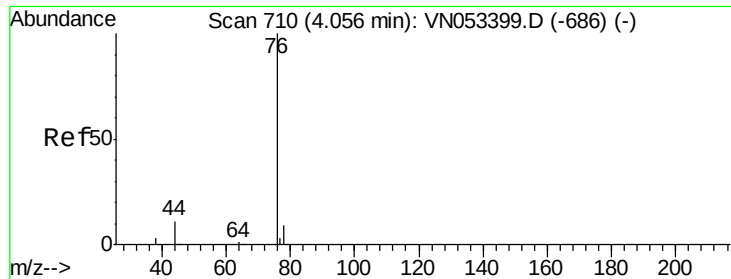
Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Tgt Ion:	43	Resp:	185614
Ion	Ratio	Lower	Upper
43	100		
58	35.2	27.1	40.7





#17

Carbon Disulfide

Concen: 19.891 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

Tot Ion: 76 Resp: 414966

Ion Ratio Lower Upper

76 100

78 9.0

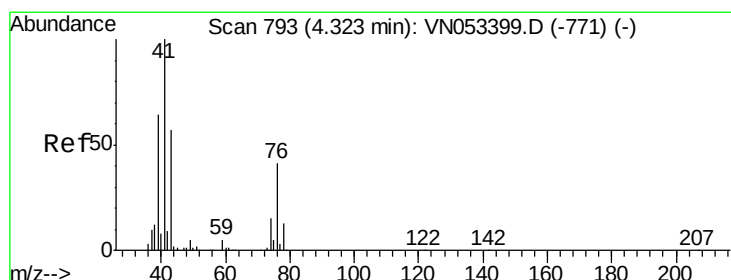
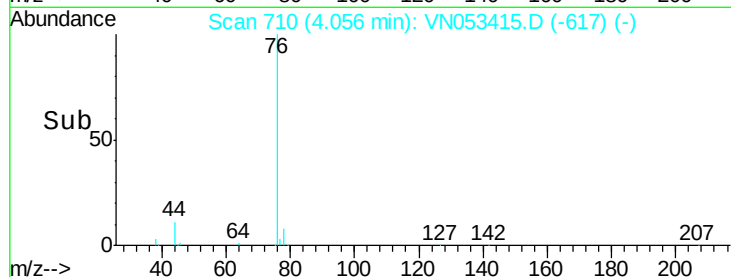
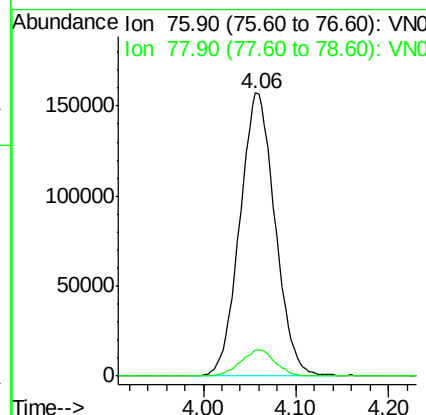
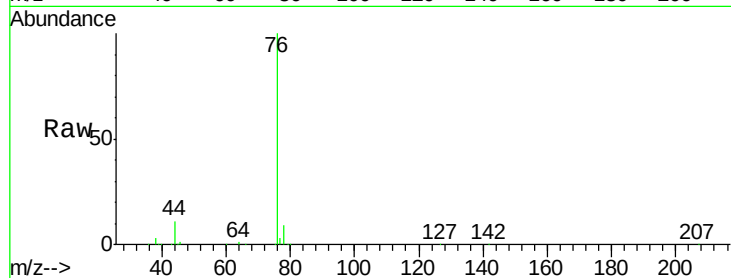
7.3 10.9

Manual Integrations

APPROVED

MMDadoda

1/17/2019 9:41:17 AM



#18

Methyl Acetate

Concen: 21.666 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

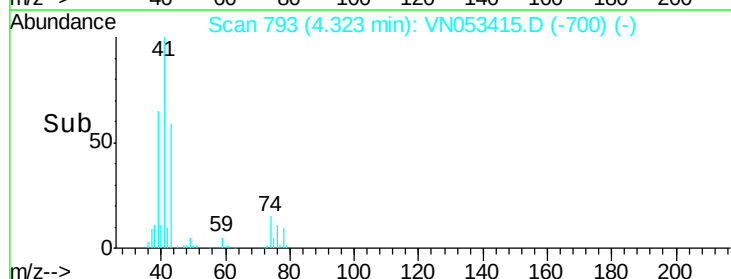
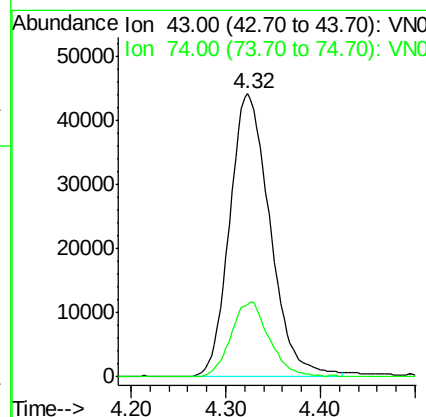
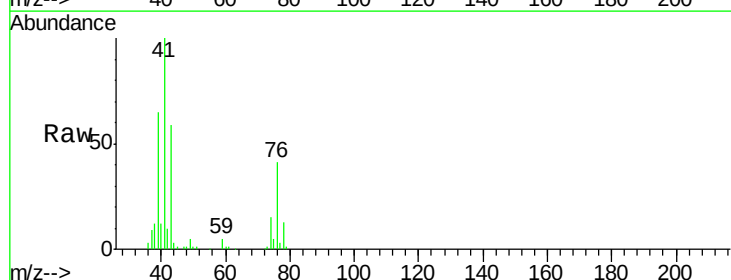
Tgt Ion: 43 Resp: 131165

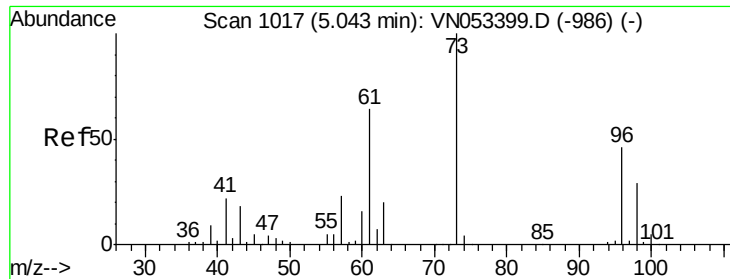
Ion Ratio Lower Upper

43 100

74 25.1

19.4 29.2





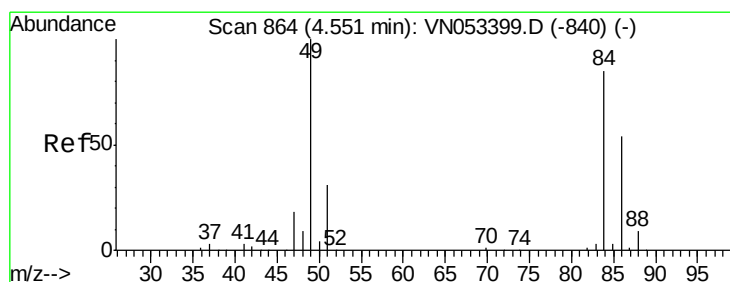
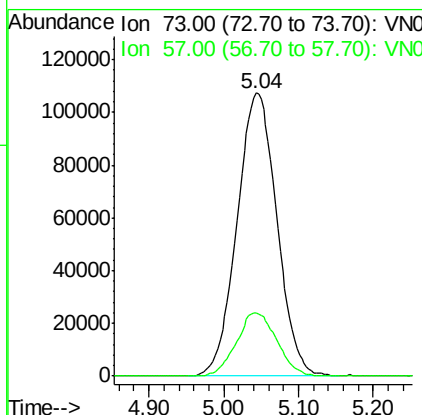
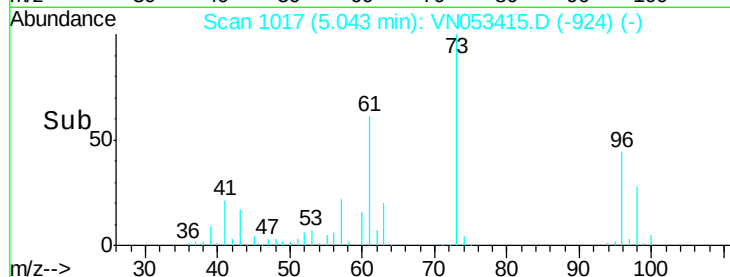
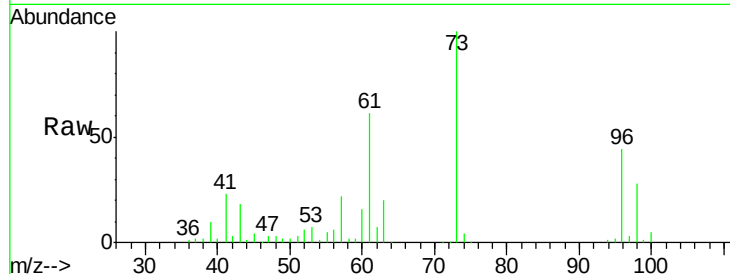
#19
Methyl tert-butyl Ether
Concen: 21.670 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Tot Ion: 73 Resp: 397202
Ion Ratio Lower Upper
73 100
57 22.4 18.3 27.5

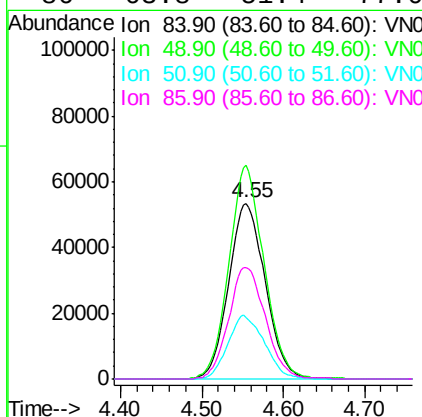
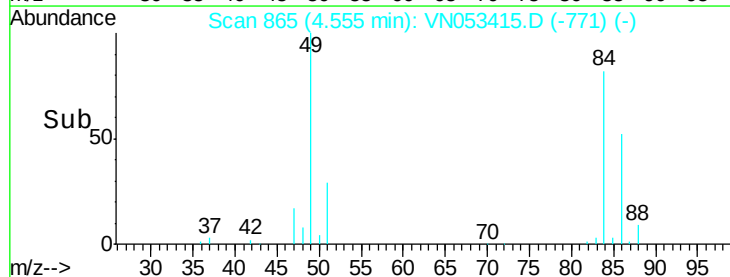
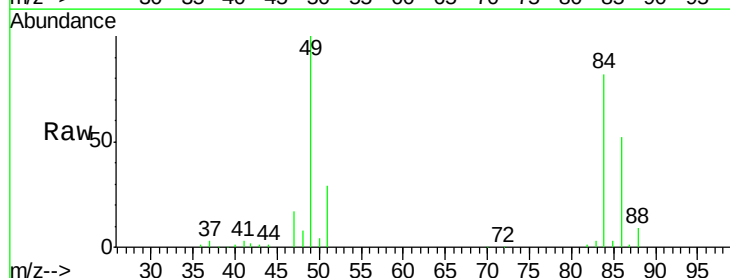
Manual Integrations
APPROVED

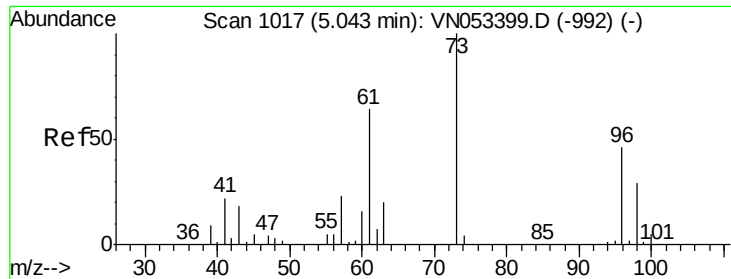
MMDadoda
1/17/2019 9:41:17 AM



#20
Methylene Chloride
Concen: 20.338 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion: 84 Resp: 166848
Ion Ratio Lower Upper
84 100
49 121.8 94.3 141.5
51 35.3 29.4 44.2
86 63.8 51.4 77.0





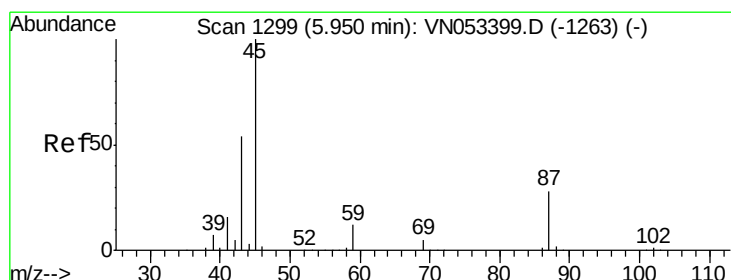
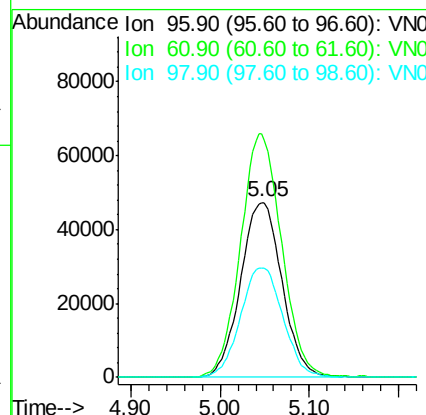
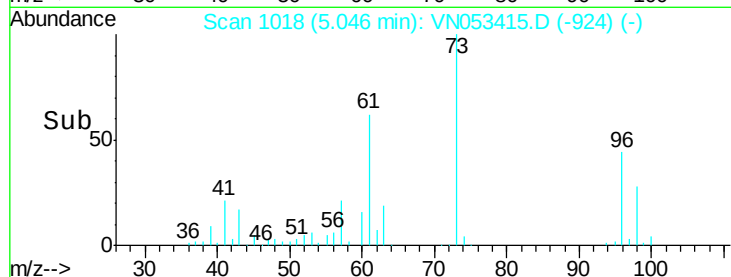
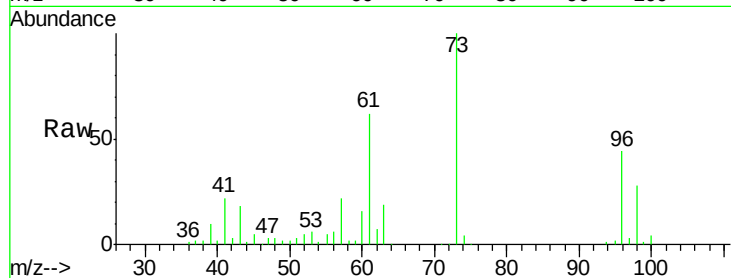
#21
trans-1,2-Dichloroethene
Concen: 20.731 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.2	110.1	165.1
98	62.7	50.0	75.0

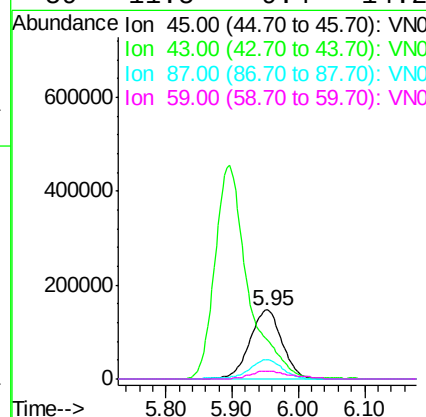
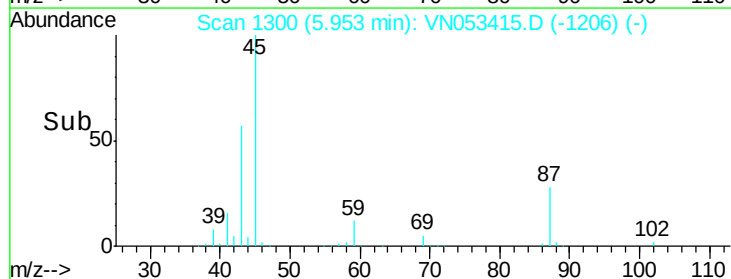
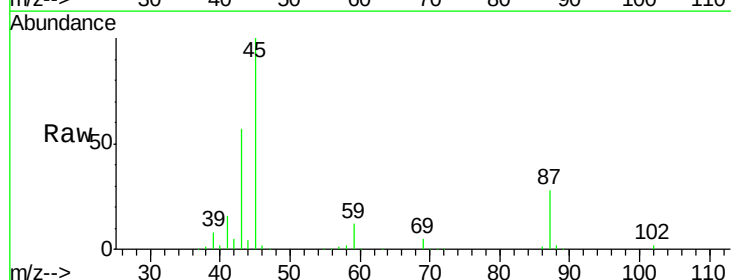
Manual Integrations
APPROVED

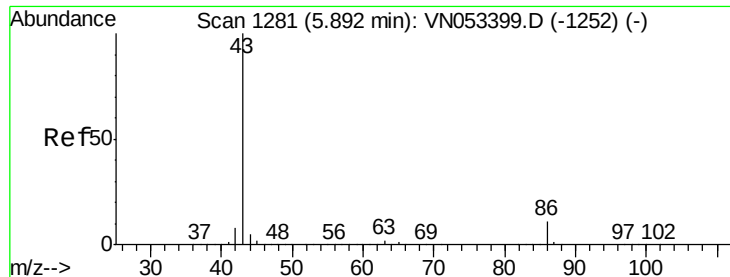
MMDadoda
1/17/2019 9:41:17 AM



#22
Diisopropyl ether
Concen: 21.369 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.5	44.2	66.4
87	28.3	22.7	34.1
59	11.5	9.4	14.2





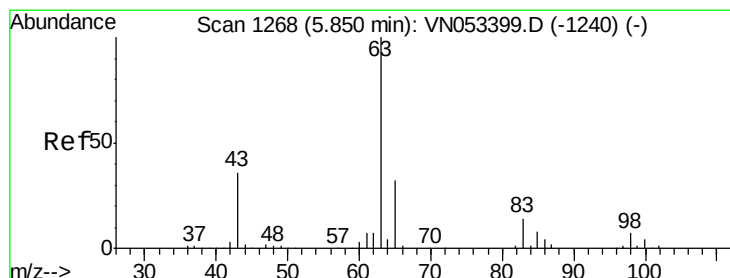
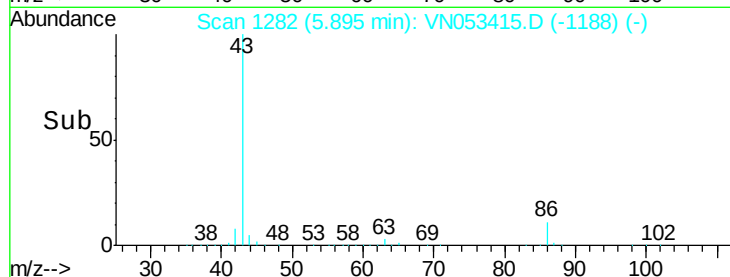
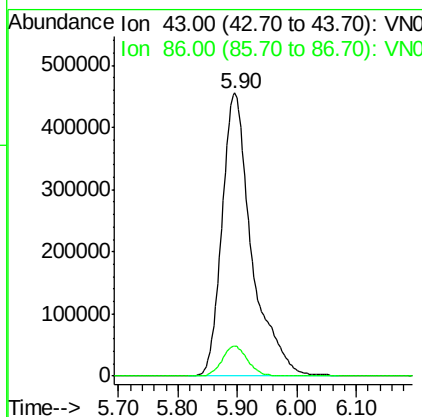
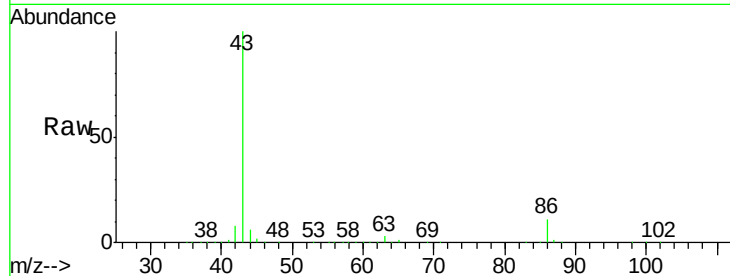
#23
 Vinyl Acetate
 Concen: 109.887 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

Tot Ion: 43 Resp: 1580153
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.4 12.6

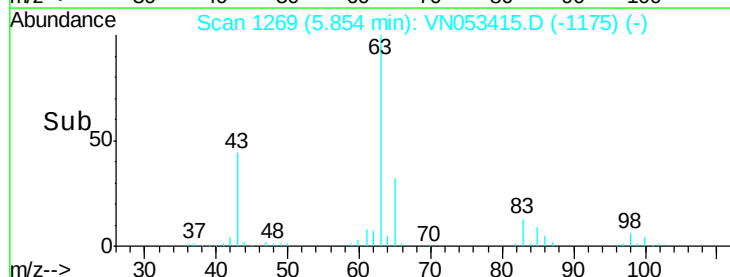
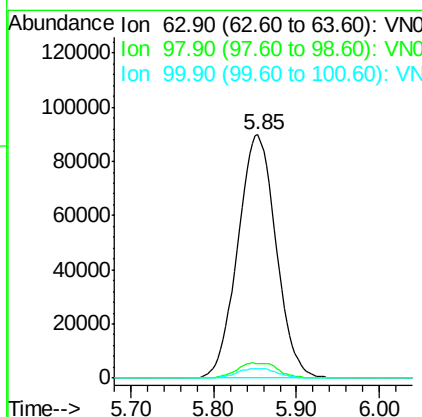
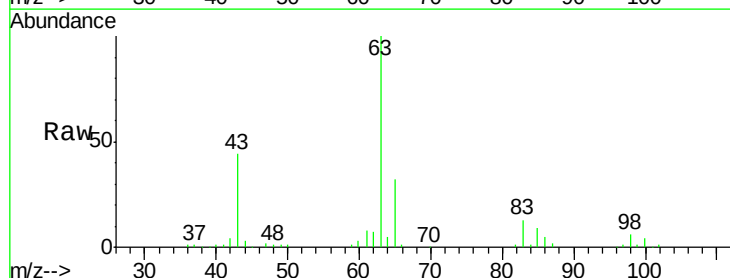
Manual Integrations
 APPROVED

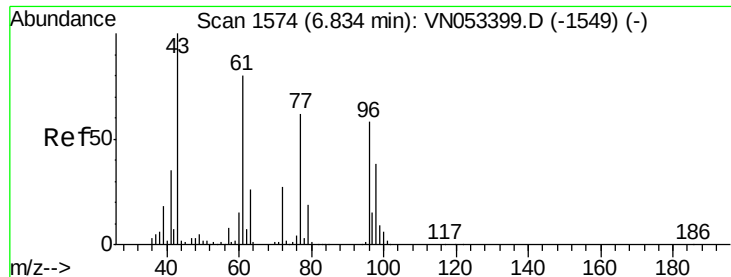
MMDadoda
 1/17/2019 9:41:17 AM



#24
 1,1-Dichloroethane
 Concen: 20.826 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Tgt Ion: 63 Resp: 288006
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.3 9.9
 100 4.0 2.1 6.5





#25

2-Butanone

Concen: 111.801 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

Tot Ion: 43 Resp: 309573

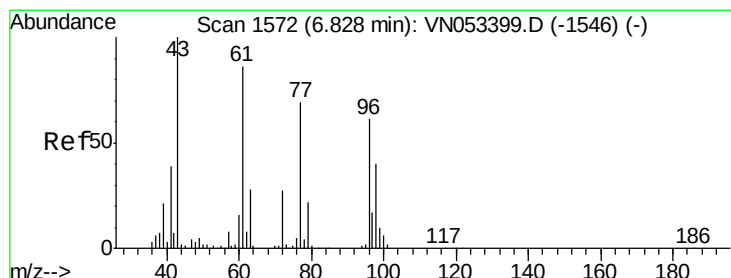
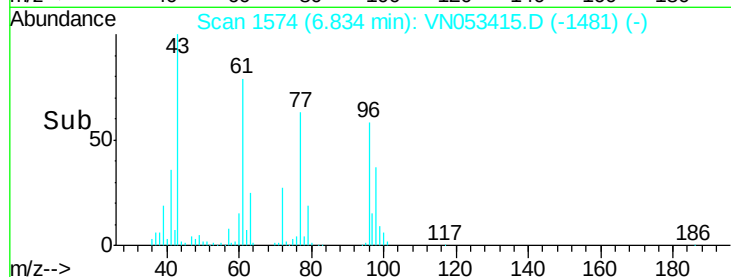
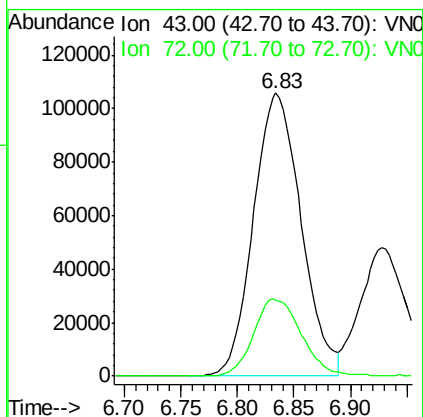
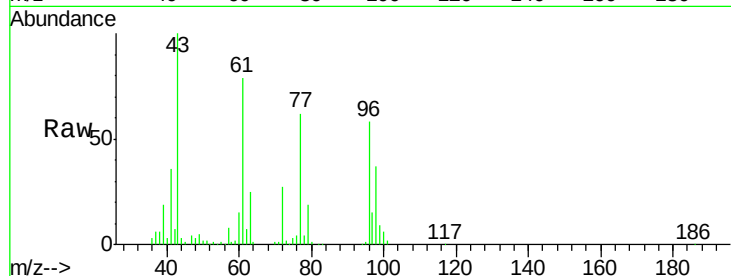
Ion Ratio Lower Upper

43 100

72 26.7 22.0 33.0

Manual Integrations
APPROVED

MMDadoda
1/17/2019 9:41:17 AM



#26

2,2-Dichloropropane

Concen: 20.780 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053415.D

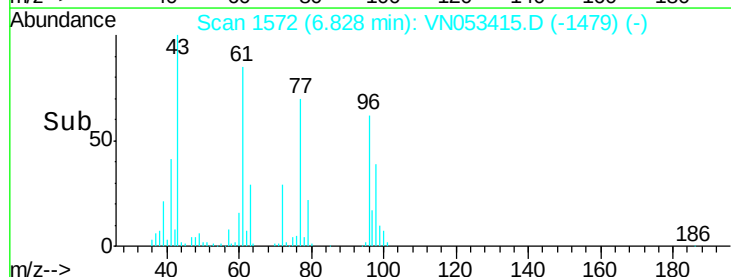
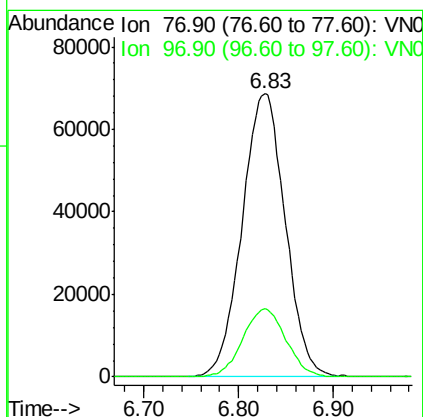
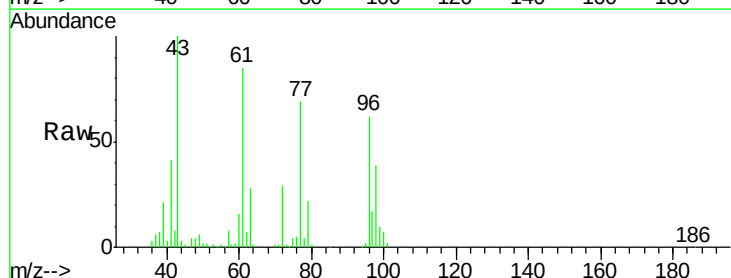
Acq: 16 Jan 2019 10:48

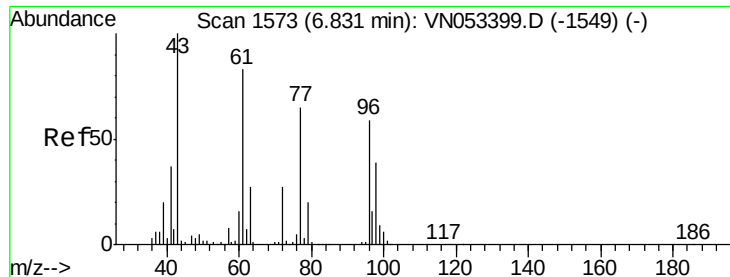
Tgt Ion: 77 Resp: 216970

Ion Ratio Lower Upper

77 100

97 24.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 21.078 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

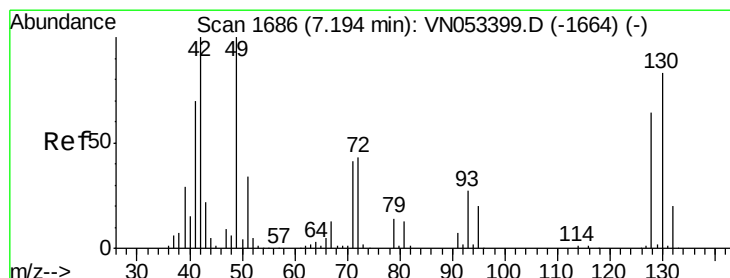
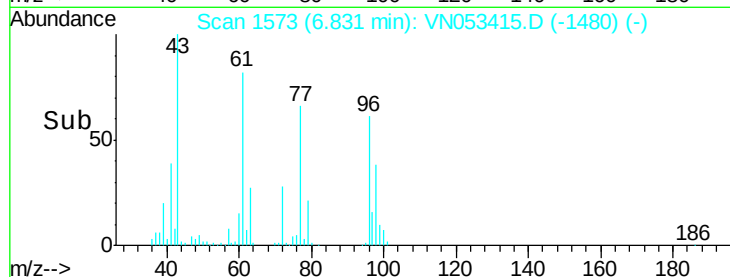
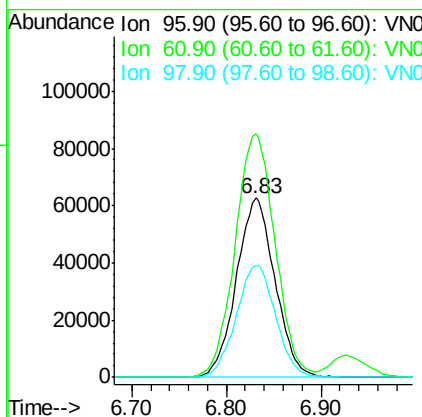
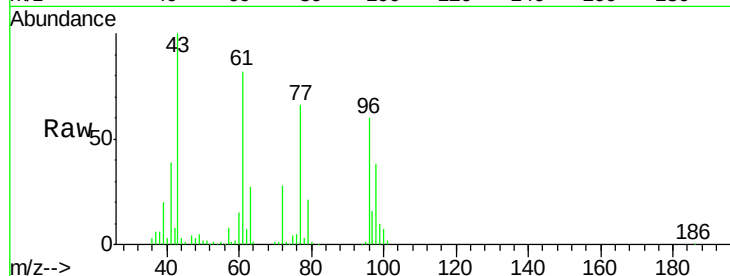
ClientSampled :

VN0116WBS01

Tot Ion:	96	Resp:	177768
Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	283.8
98	63.9	0.0	129.2

Manual Integrations
APPROVED

MMDadoda
1/17/2019 9:41:17 AM



#28

Bromochloromethane

Concen: 19.316 ug/l

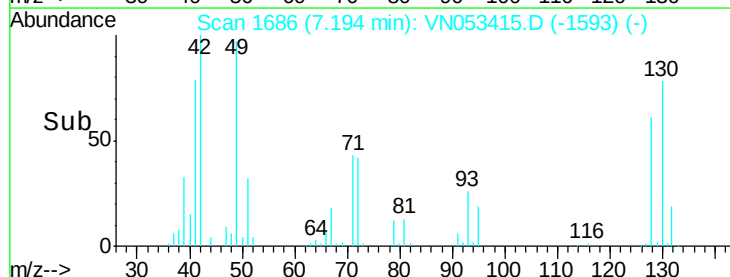
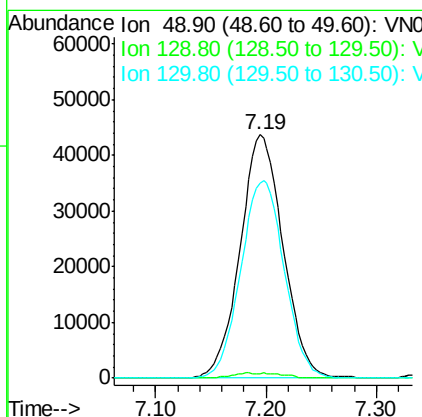
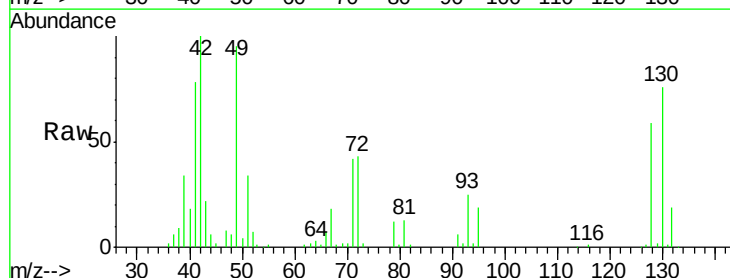
RT: 7.19 min Scan# 1686

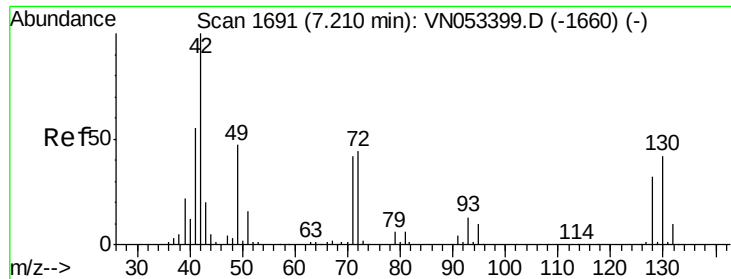
Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Tgt Ion:	49	Resp:	117678
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.0
130	82.2	66.3	99.5





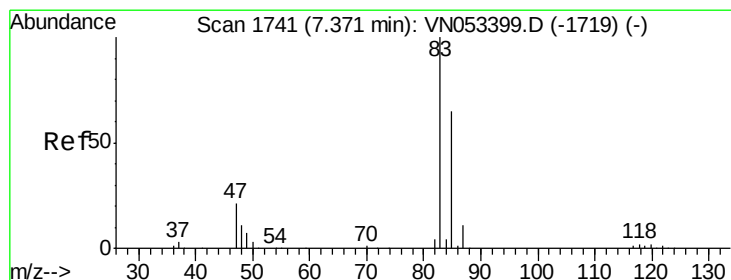
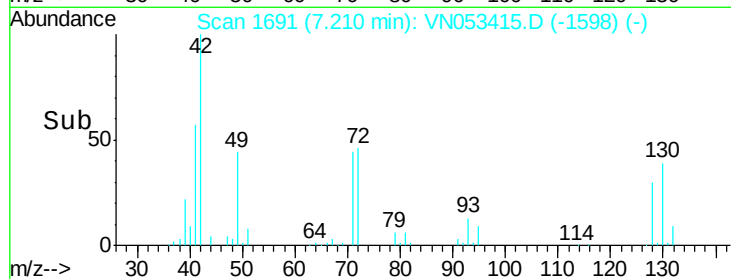
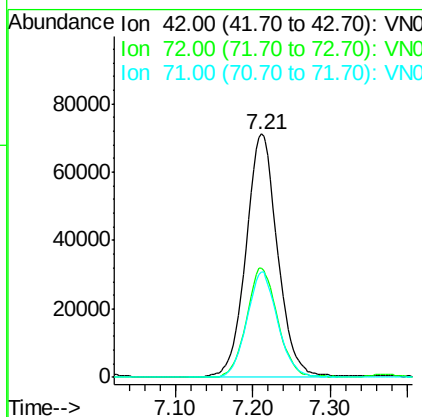
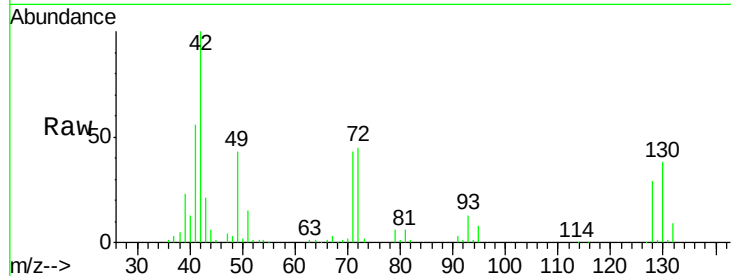
#29
Tetrahydrofuran
Concen: 112.873 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	35.2	52.8
71	42.1	33.0	49.4

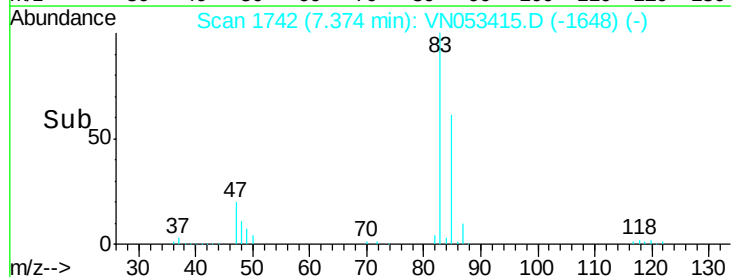
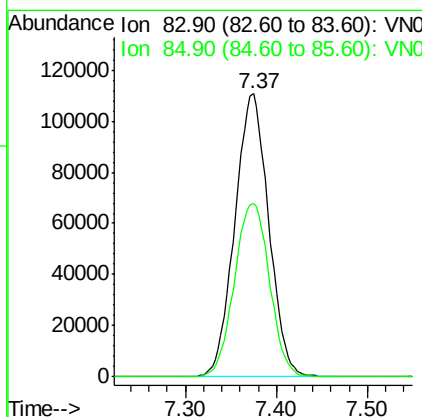
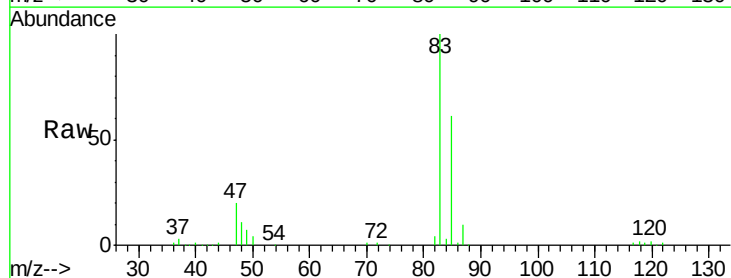
Manual Integrations
APPROVED

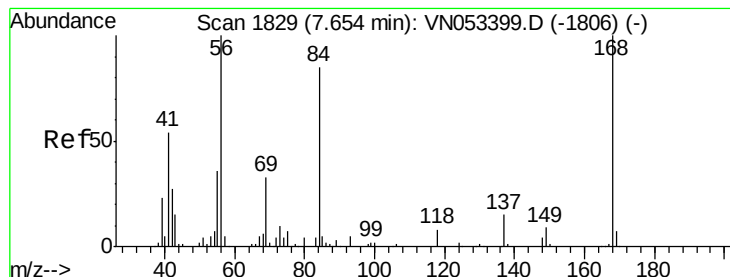
MMDadoda
1/17/2019 9:41:17 AM



#30
Chloroform
Concen: 21.314 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.4	52.2	78.2





#31

Cyclohexane

Concen: 20.646 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

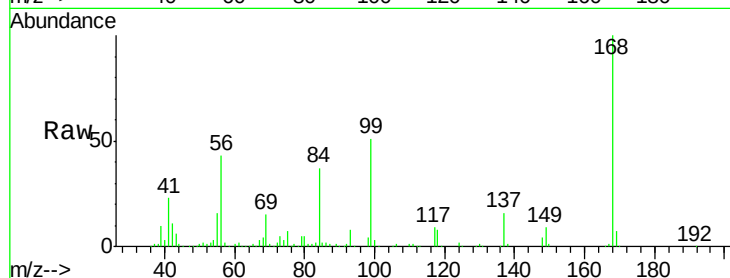
ClientSampled :

VN0116WBS01

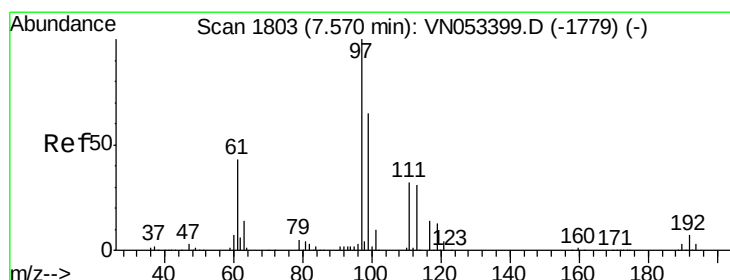
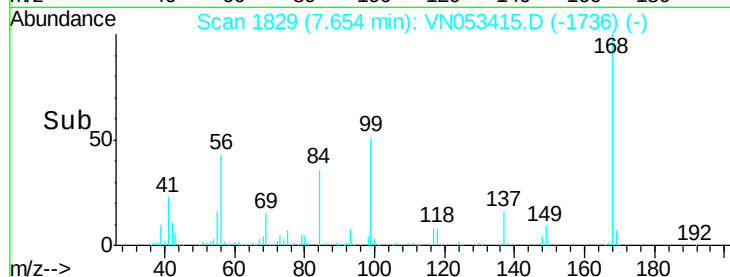
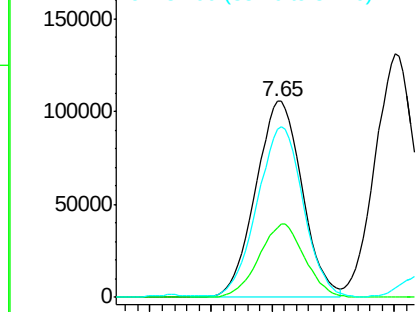
Tot Ion:	56	Resp:	279625
Ion	Ratio	Lower	Upper
56	100		
69	35.8	26.4	39.6
84	84.8	67.9	101.9

Manual Integrations
APPROVED

MMDadoda
1/17/2019 9:41:17 AM



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



#32

1,1,1-Trichloroethane

Concen: 20.864 ug/l

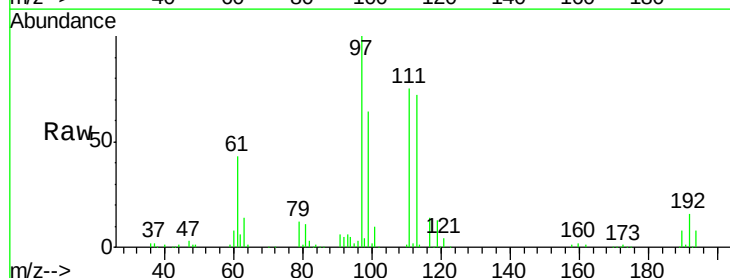
RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

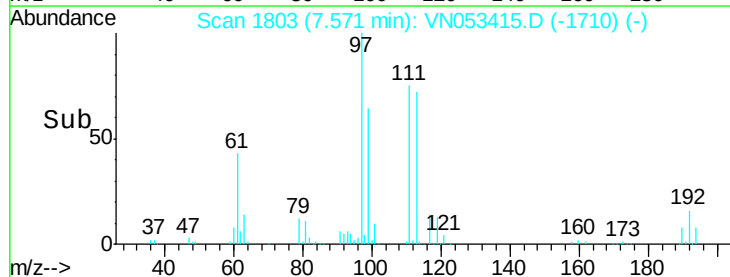
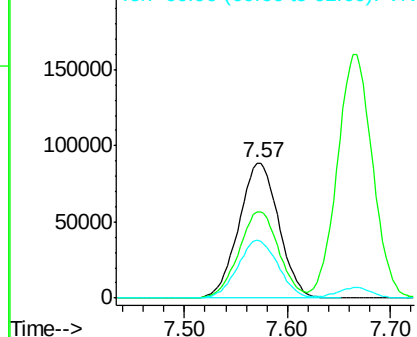
Lab File: VN053415.D

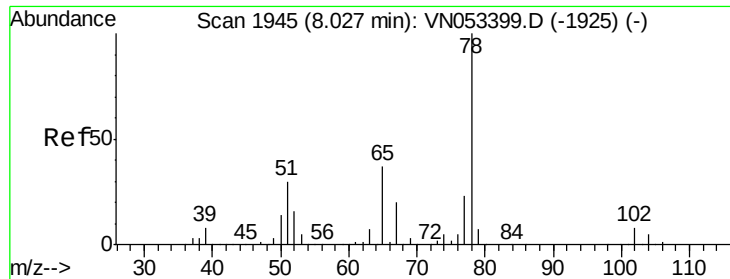
Acq: 16 Jan 2019 10:48

Tgt Ion:	97	Resp:	238460
Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.0	78.0
61	43.3	34.4	51.6



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





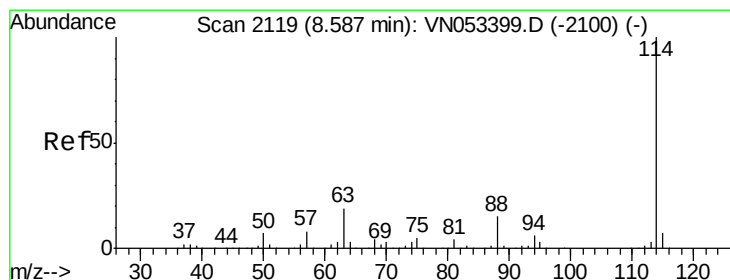
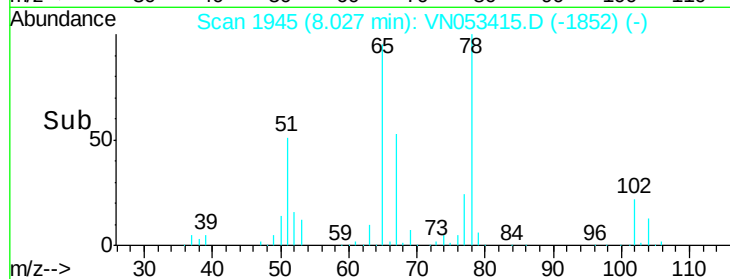
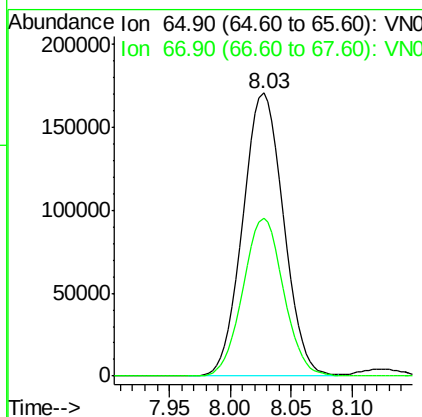
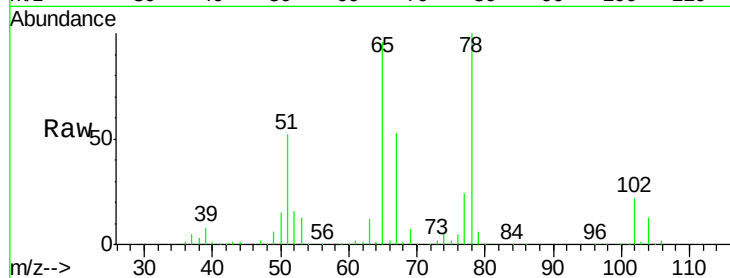
#33
 1,2-Dichloroethane-d4
 Concen: 20.864 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.6	0.0		111.2

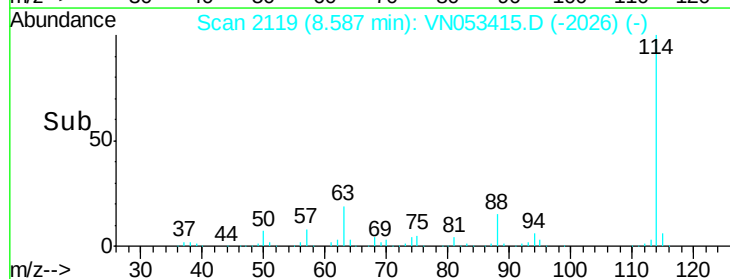
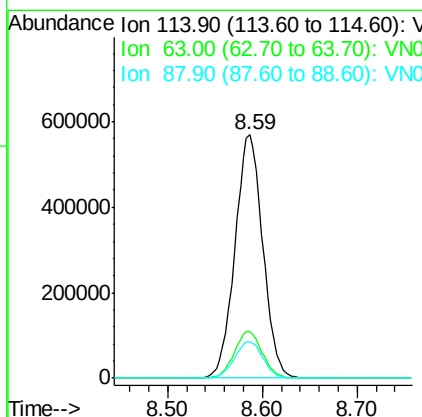
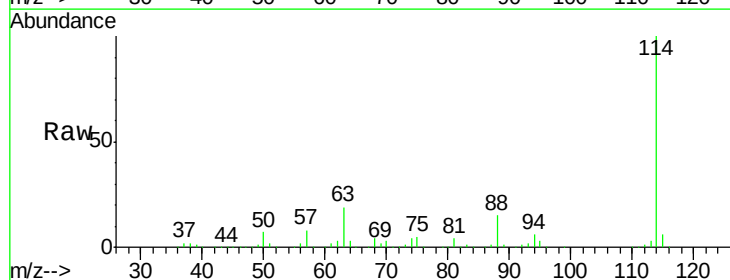
Manual Integrations
 APPROVED

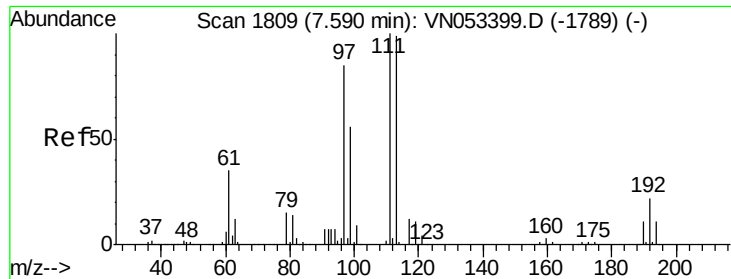
MMDadoda
 1/17/2019 9:41:17 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.3	0.0		38.6
88	15.1	0.0		30.4





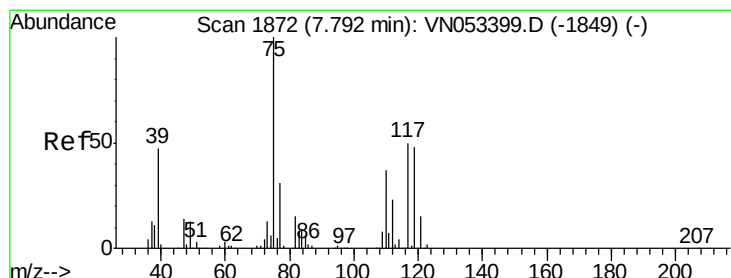
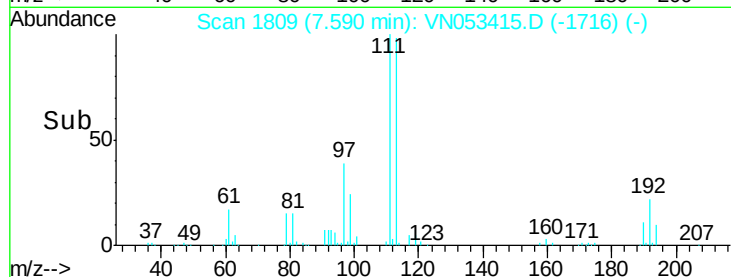
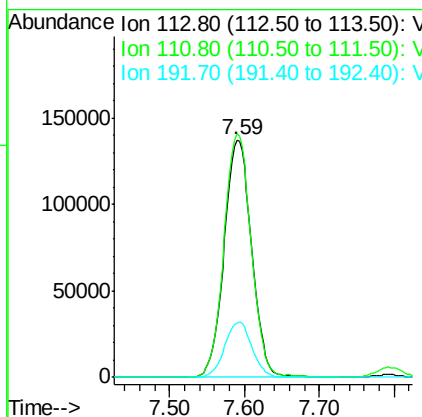
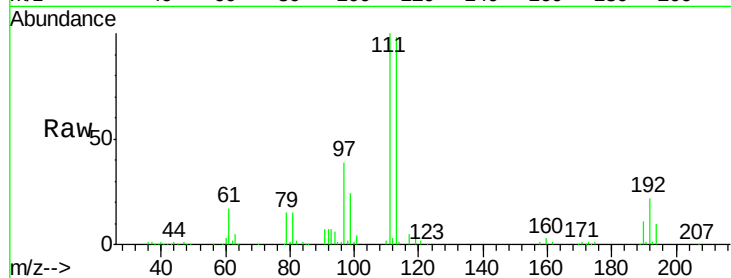
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	349617		
111	101.1	81.1	121.7	
192	23.1	18.2	27.2	

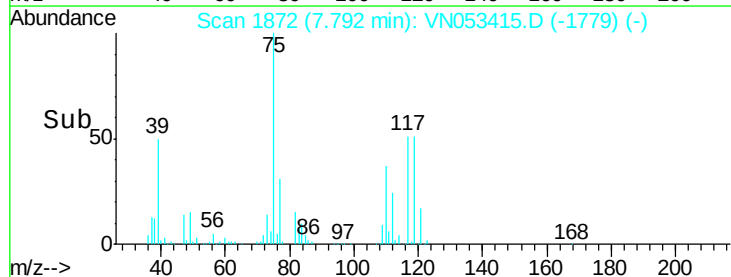
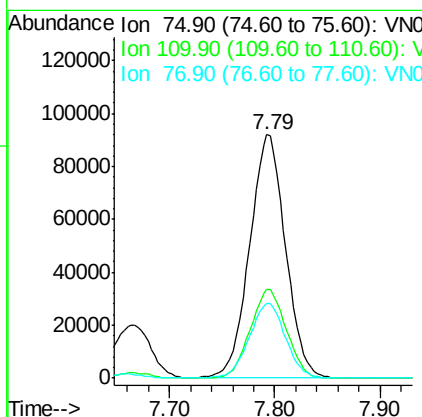
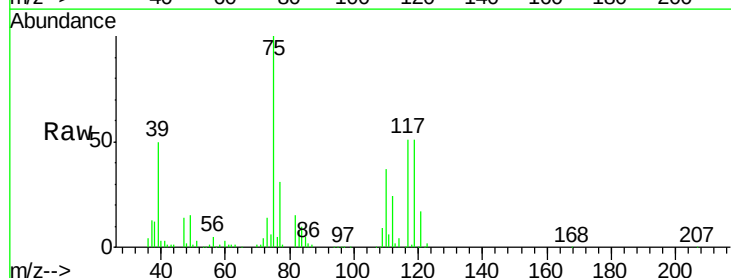
Manual Integrations
 APPROVED

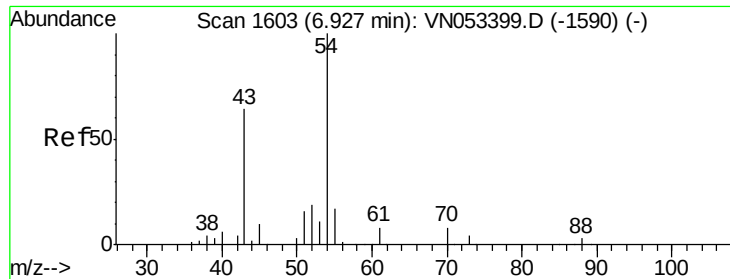
MMDadoda
 1/17/2019 9:41:17 AM



#36
 1,1-Dichloropropene
 Concen: 20.497 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	216528		
110	36.7	18.1	54.3	
77	31.5	25.1	37.7	





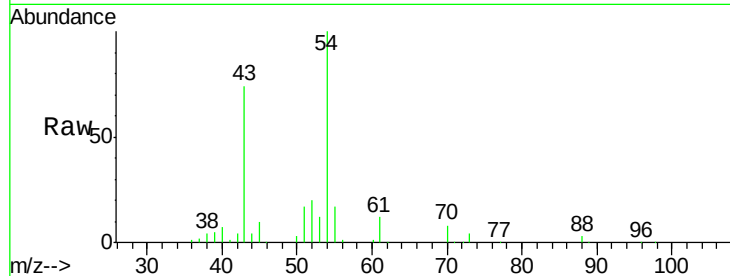
#37
Ethyl Acetate
Concen: 22.529 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

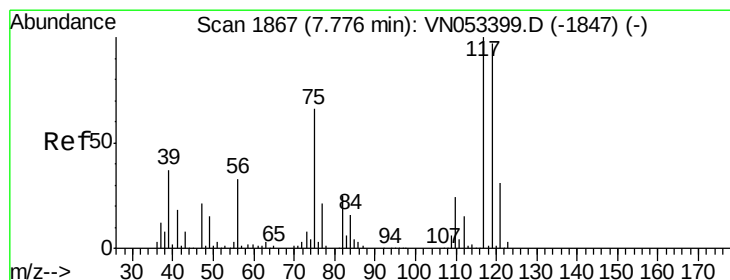
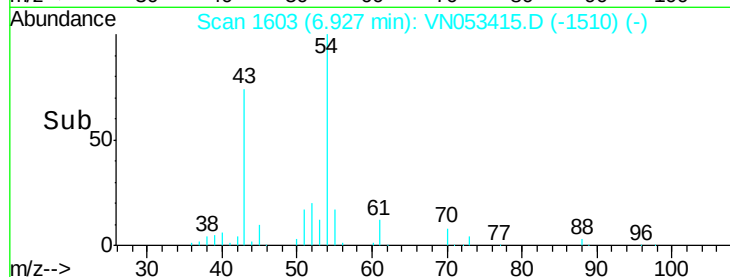
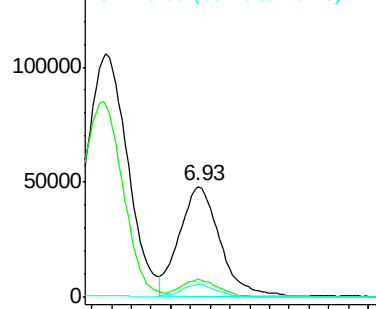
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.8	17.6
70	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
1/17/2019 9:41:17 AM

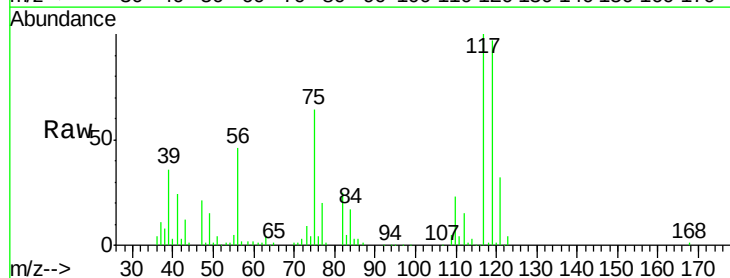


Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1590) (-)

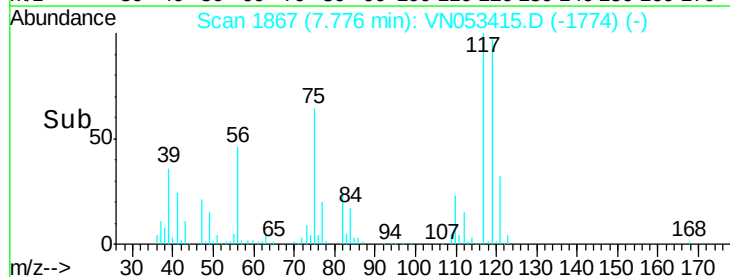
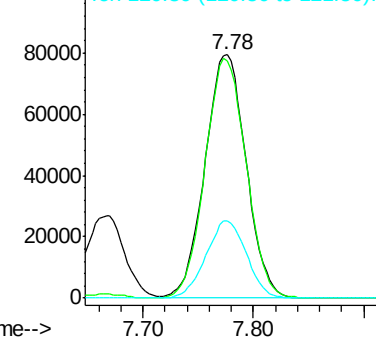


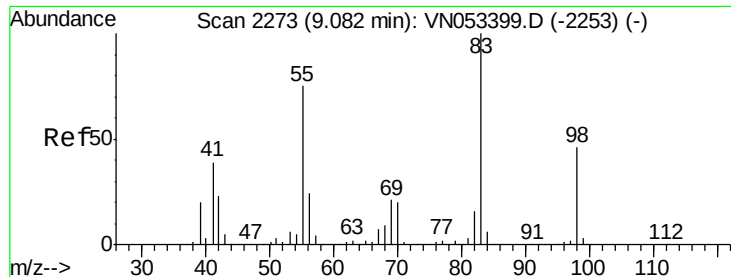
#38
Carbon Tetrachloride
Concen: 20.455 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.2	115.8
121	31.8	24.6	37.0



Abundance Ion 116.80 (116.50 to 117.50): VN053399.D (-1847) (-)





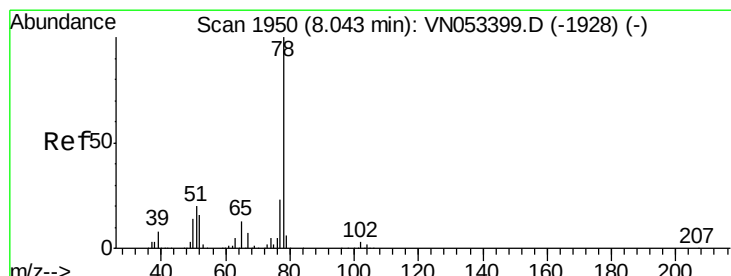
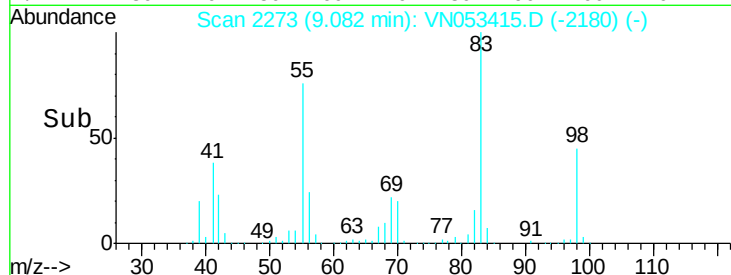
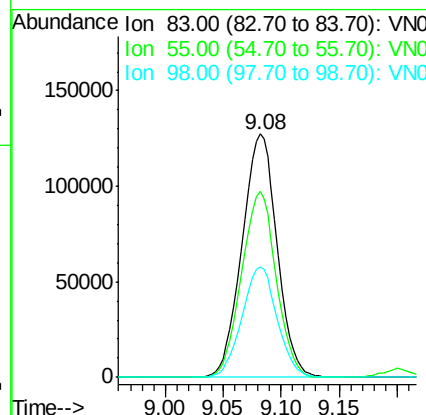
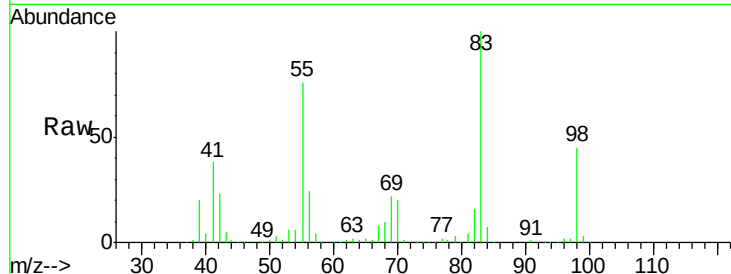
#39
Methylvlcyclohexane
Concen: 20.480 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Tot Ion	83.00	Resp	267399
Ion Ratio	100	Lower	Upper
83	100		
55	76.2	60.1	90.1
98	45.4	36.6	55.0

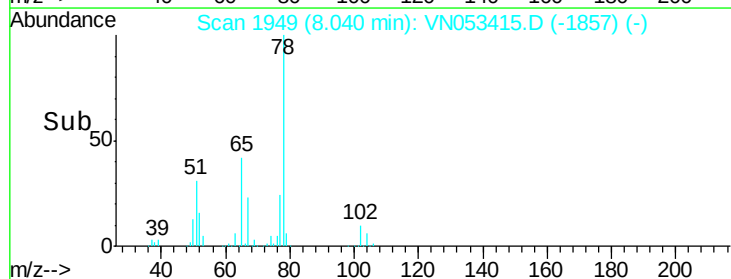
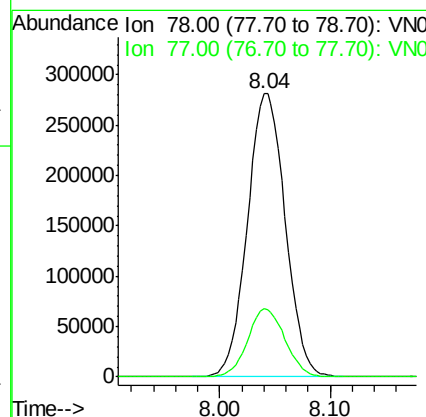
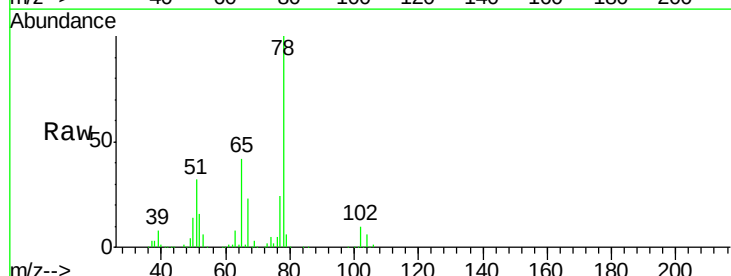
Manual Integrations
APPROVED

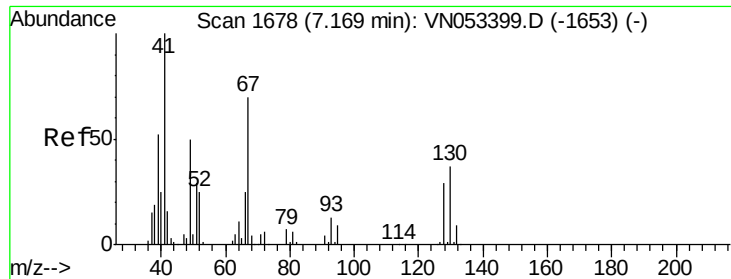
MMDadoda
1/17/2019 9:41:17 AM



#40
Benzene
Concen: 20.840 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion	78.00	Resp	668999
Ion Ratio	100	Lower	Upper
78	100		
77	24.1	18.8	28.2





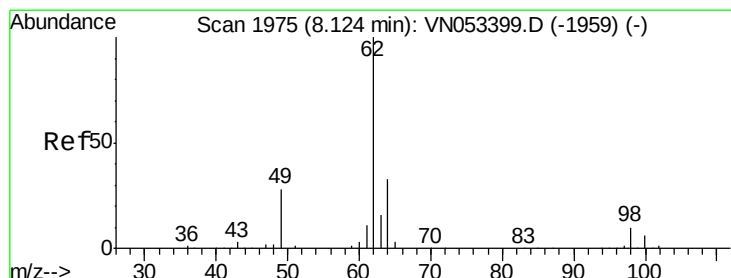
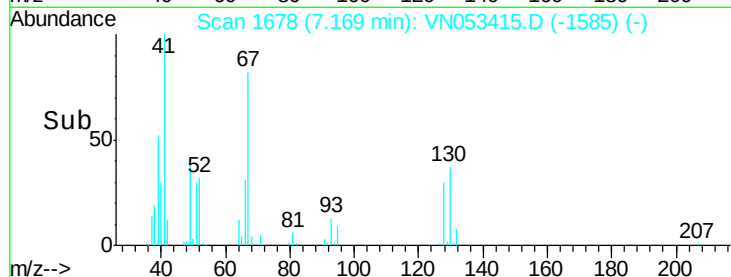
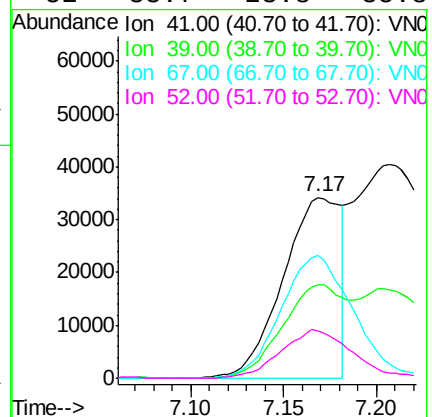
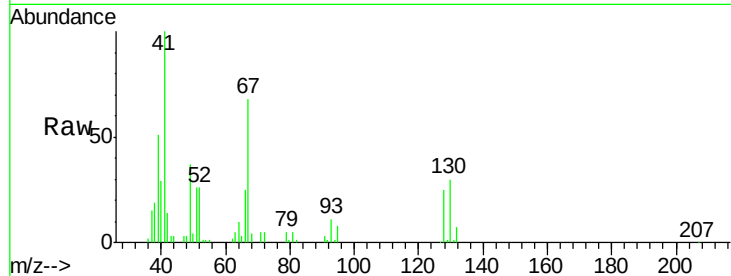
#41
Methacrylonitrile
Concen: 20.848 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.2	46.8	70.2	
67	85.8	63.0	94.6	
52	33.7	23.8	35.8	

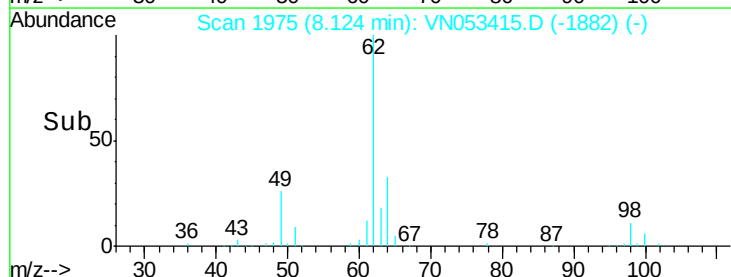
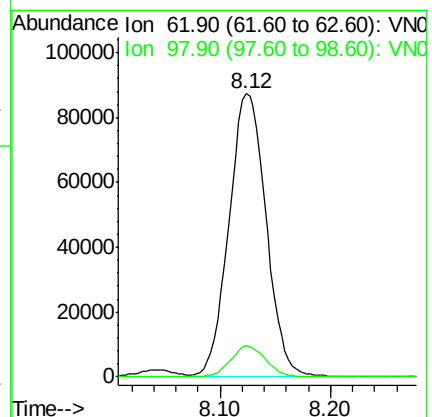
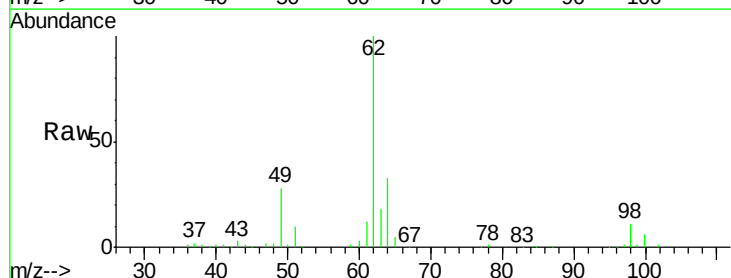
Manual Integrations
APPROVED

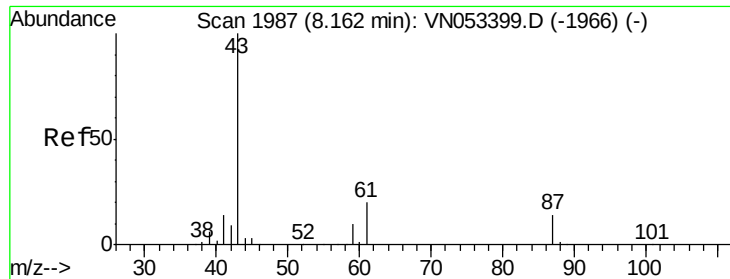
MMDadoda
1/17/2019 9:41:17 AM



#42
1,2-Dichloroethane
Concen: 21.831 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	19.6	





#43

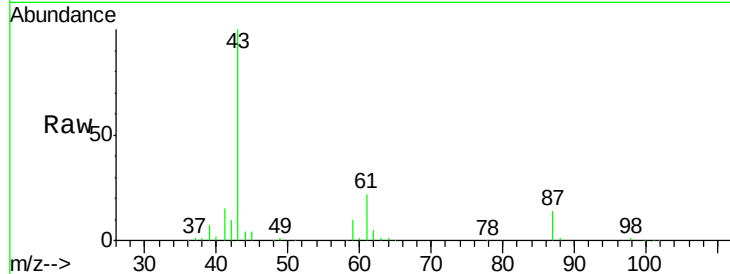
Isopropyl Acetate
 Concen: 22.446 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

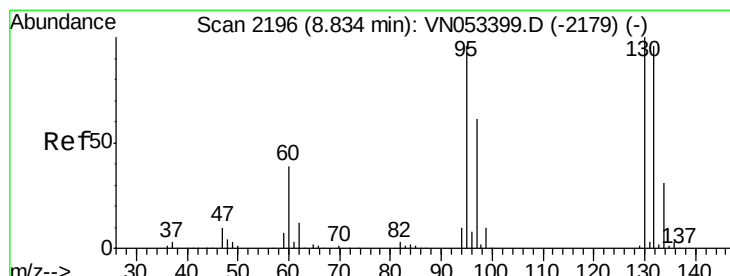
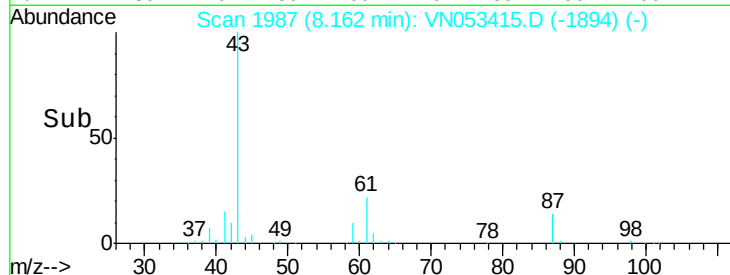
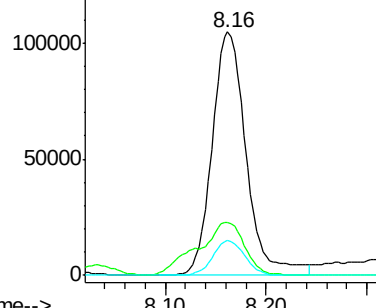
Tot Ion	Ratio	Lower	Upper
43	100		
61	30.2	23.9	35.9
87	13.3	11.0	16.6

Manual Integrations
 APPROVED

MMDadoda
 1/17/2019 9:41:17 AM



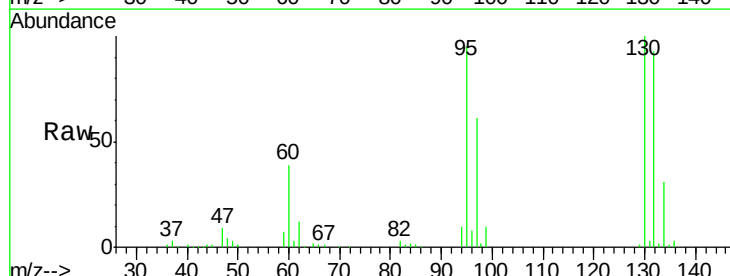
Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1966) (-)



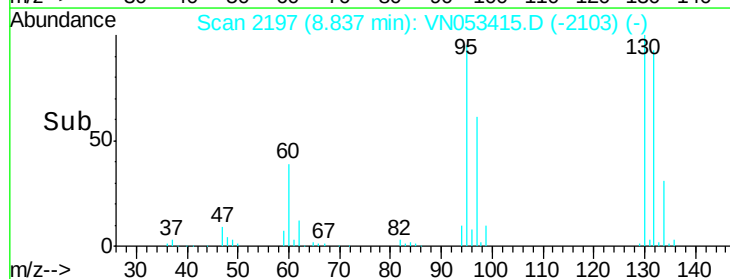
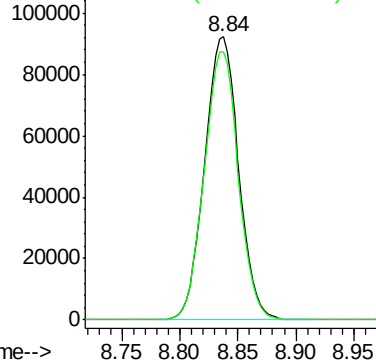
#44

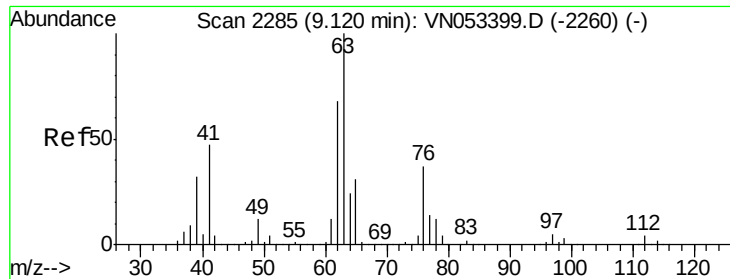
Trichloroethene
 Concen: 21.077 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053399.D (-2179) (-)





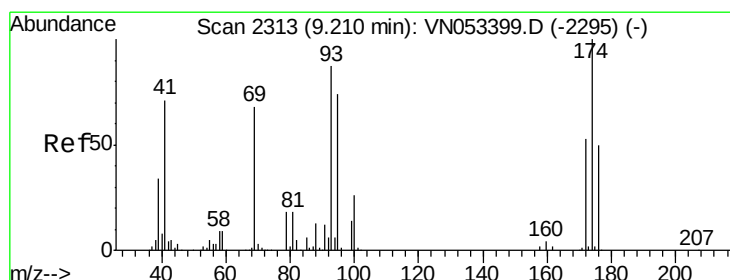
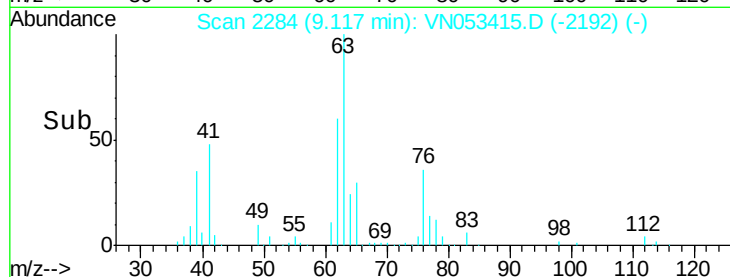
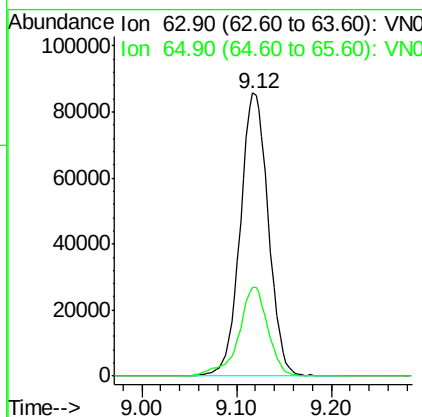
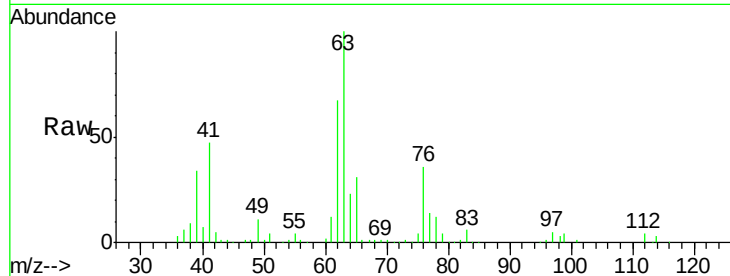
#45
 1,2-Dichloropropane
 Concen: 20.759 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

Tot Ion: 63 Resp: 176510
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.4

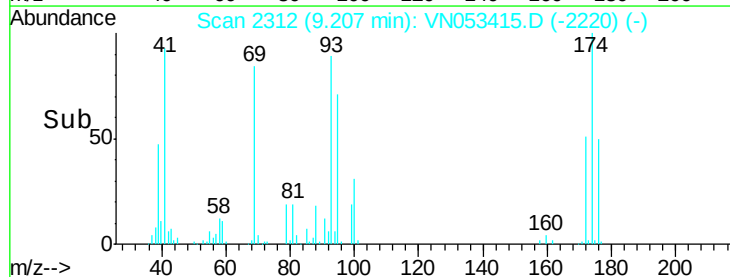
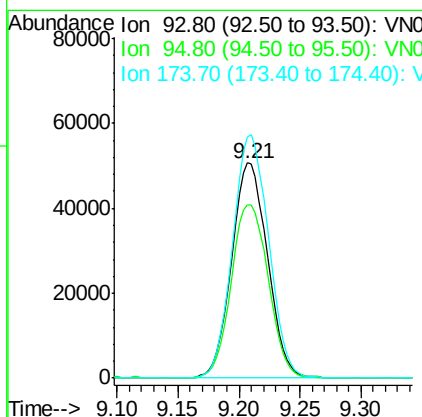
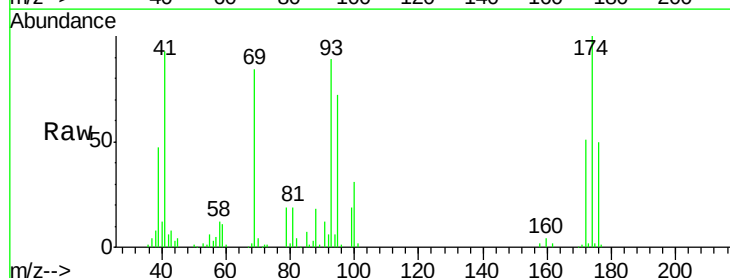
Manual Integrations
 APPROVED

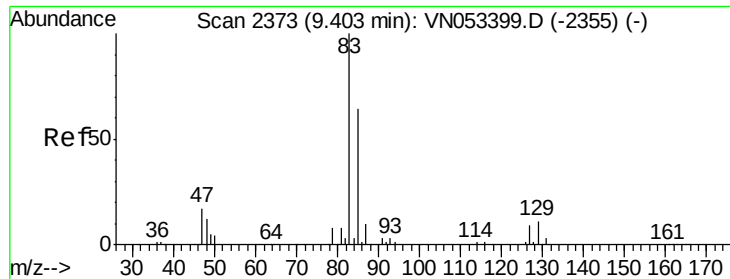
MMDadoda
 1/17/2019 9:41:17 AM



#46
 Dibromomethane
 Concen: 21.229 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Tgt Ion: 93 Resp: 103704
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.3 100.9
 174 113.5 91.0 136.4





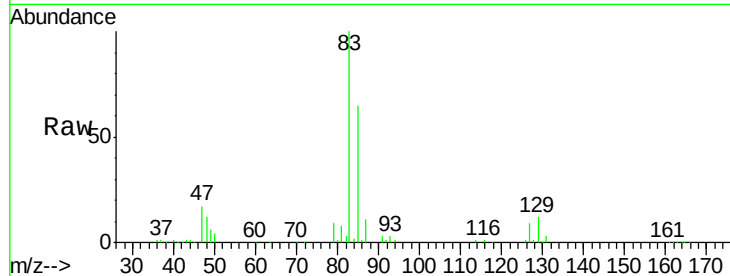
#47
Bromodichloromethane
Concen: 20.656 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Instrument :
MSVOA_N
ClientSampled :
VN0116WBS01

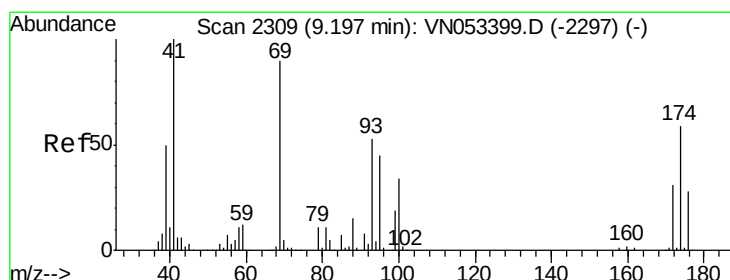
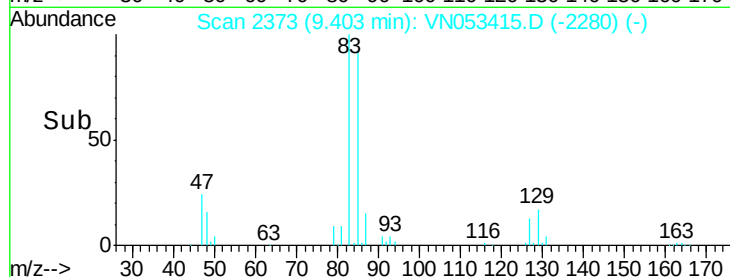
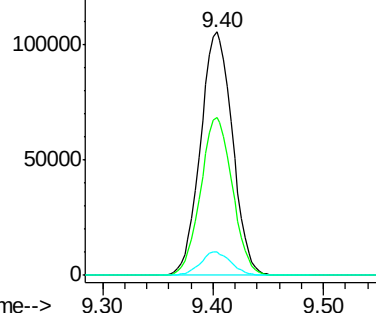
Tot Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.0	76.6
127	9.4	7.0	10.6

Manual Integrations
APPROVED

MMDadoda
1/17/2019 9:41:17 AM



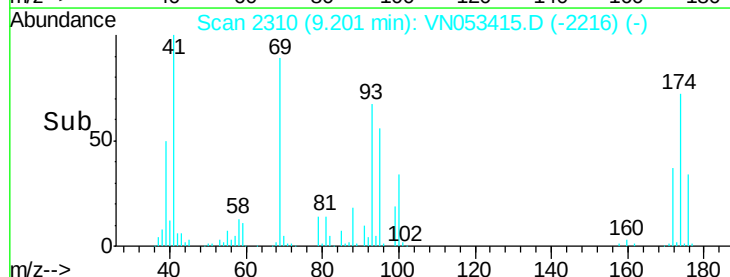
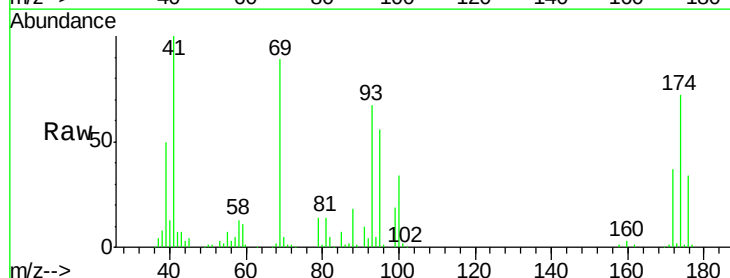
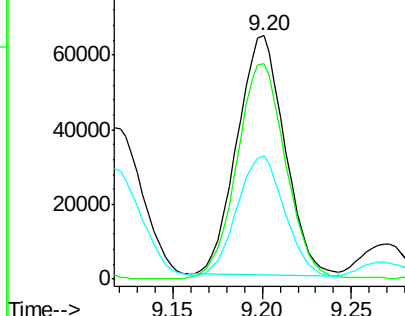
Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

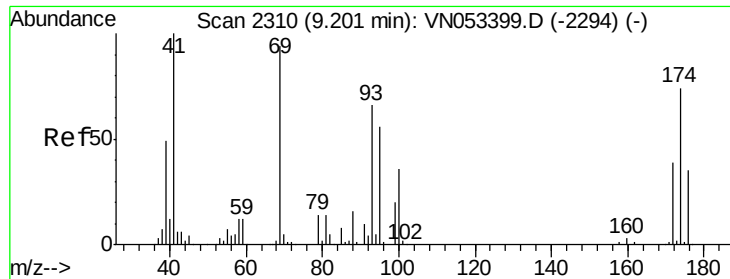


#48
Methyl methacrylate
Concen: 21.269 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.5	73.8	110.6
39	52.3	40.0	60.0

Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 456.171 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

Tot Ion: 88 Resp: 25138

Ion Ratio Lower Upper

88 100

43 35.2 27.8 41.6

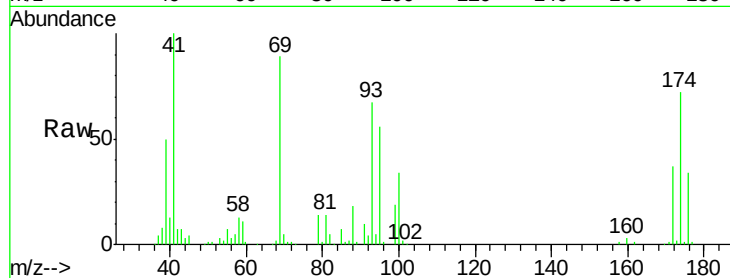
58 72.2 56.5 84.7

Manual Integrations

APPROVED

MMDadoda

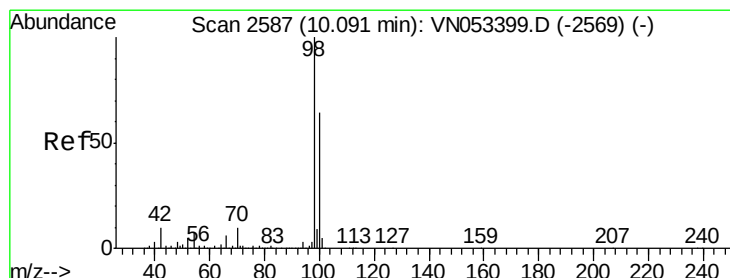
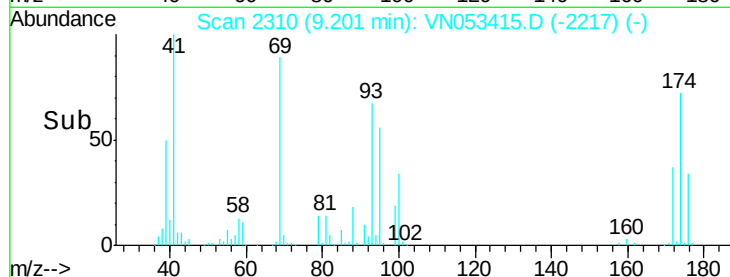
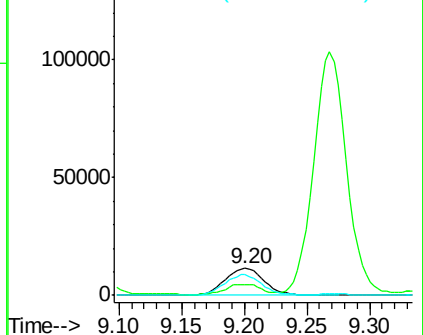
1/17/2019 9:41:17 AM



Abundance Ion 88.00 (87.70 to 88.70): VN053399.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN053399.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-2294) (-)



#50

Toluene-d8

Concen: 456.171 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053415.D

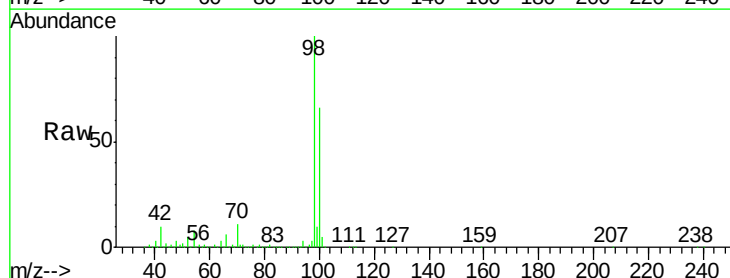
Acq: 16 Jan 2019 10:48

Tgt Ion: 98 Resp: 1414103

Ion Ratio Lower Upper

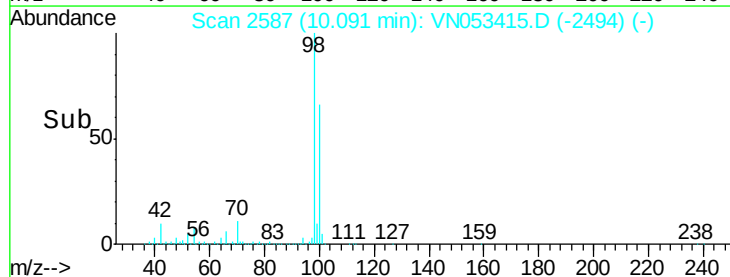
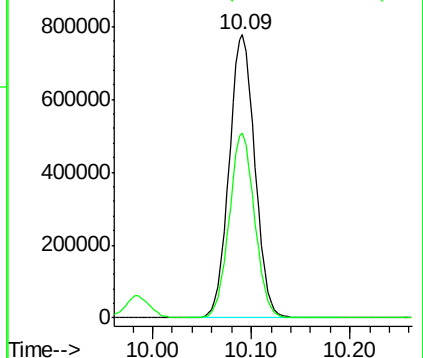
98 100

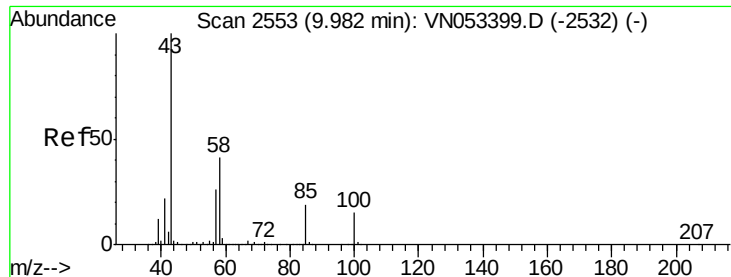
100 64.2 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053399.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN053399.D (-2569) (-)





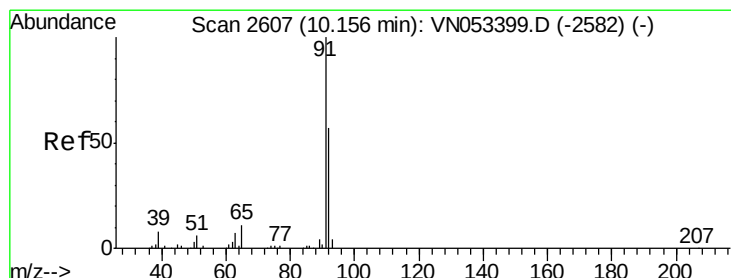
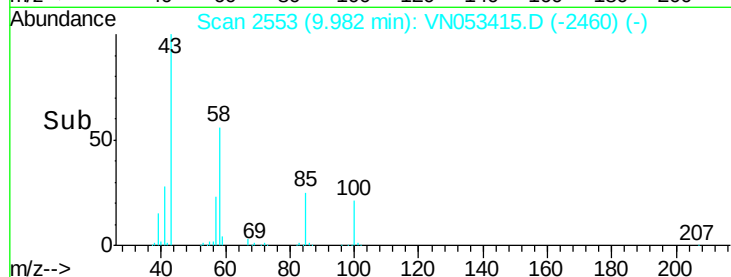
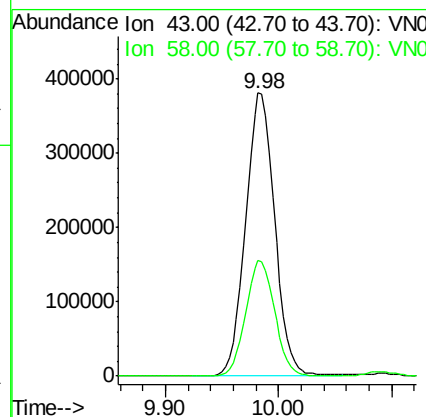
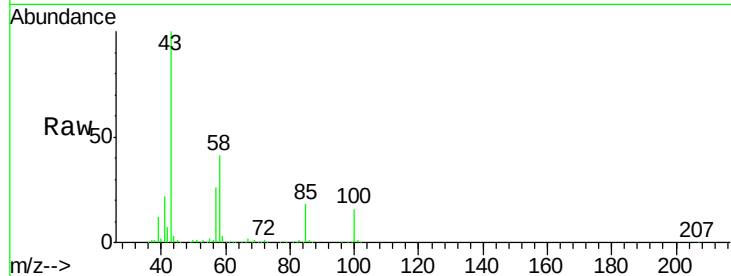
#51
4-Methyl-2-Pentanone
Concen: 114.295 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Tot Ion: 43 Resp: 681852
Ion Ratio Lower Upper
43 100
58 40.9 32.8 49.2

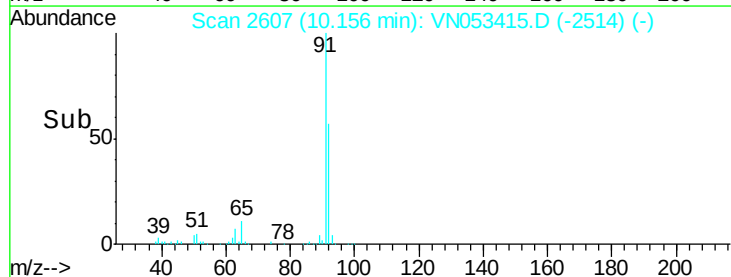
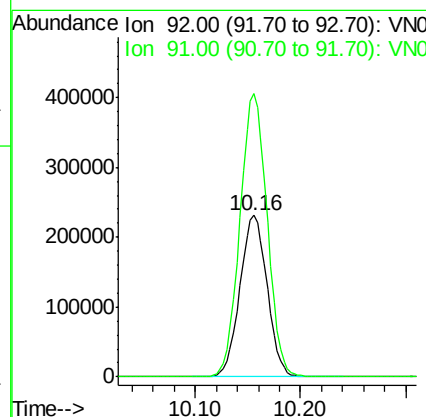
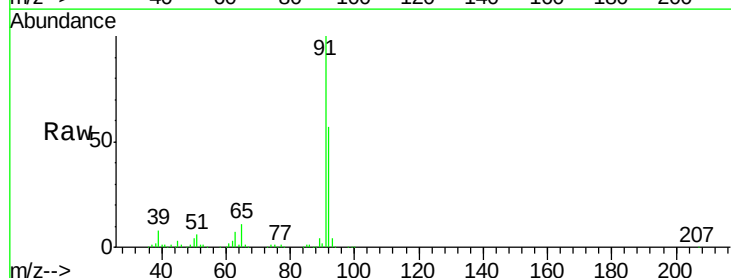
Manual Integrations
APPROVED

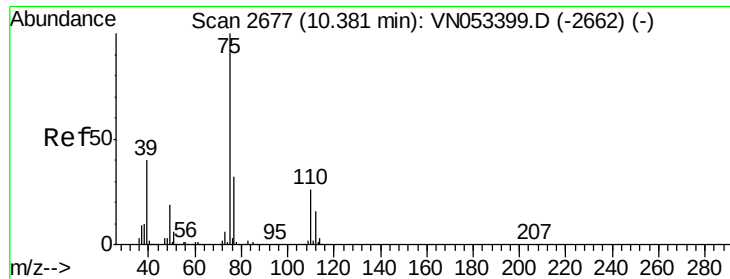
MMDadoda
1/17/2019 9:41:17 AM



#52
Toluene
Concen: 20.769 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion: 92 Resp: 413912
Ion Ratio Lower Upper
92 100
91 175.3 139.9 209.9





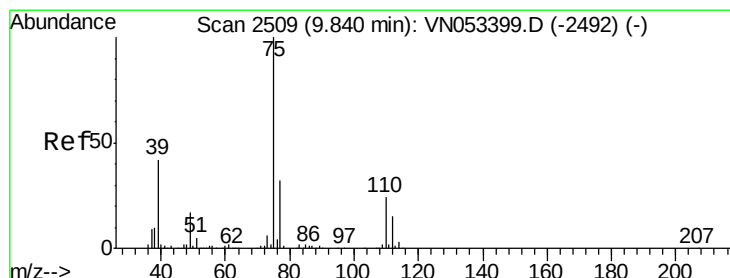
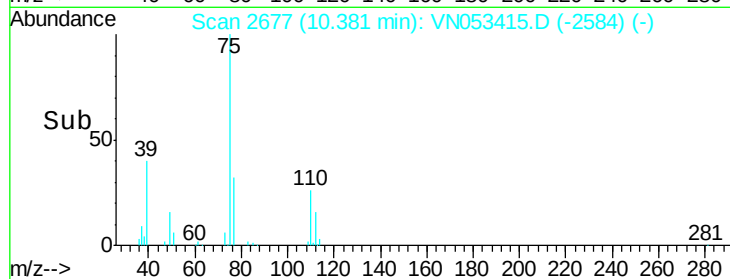
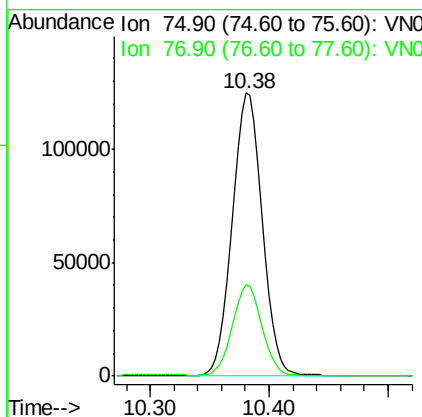
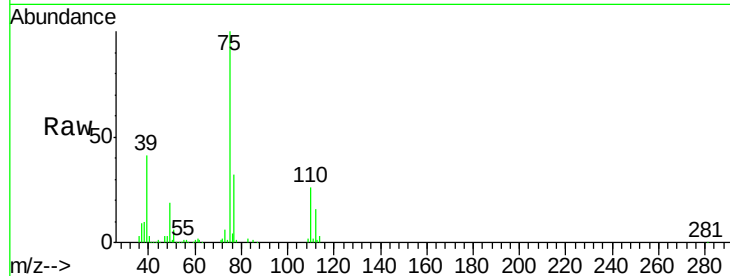
#53
t-1,3-Dichloropropene
Concen: 20.989 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Instrument :
MSVOA_N
ClientSampled :
VN0116WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.5	38.3

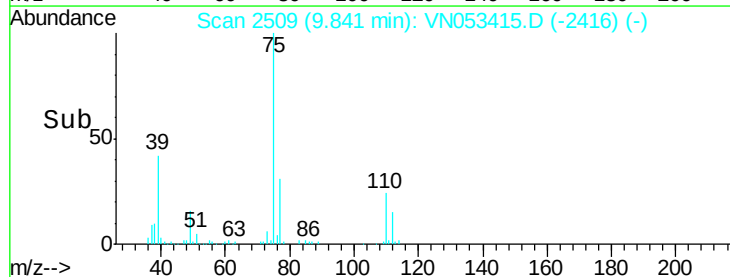
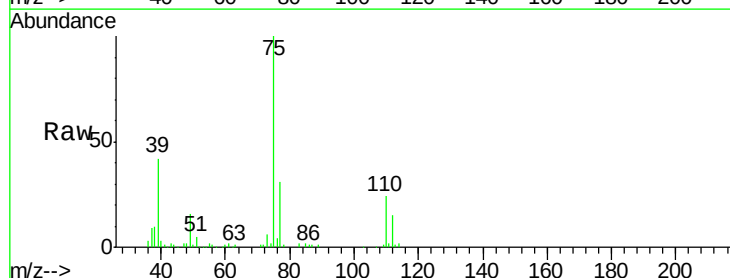
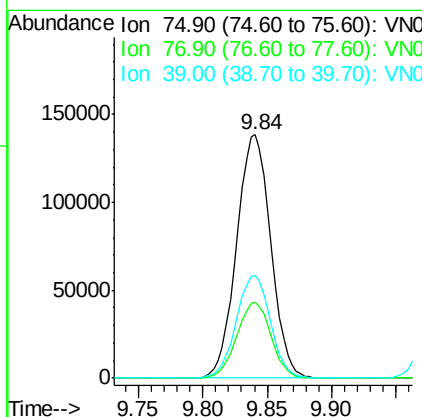
Manual Integrations
APPROVED

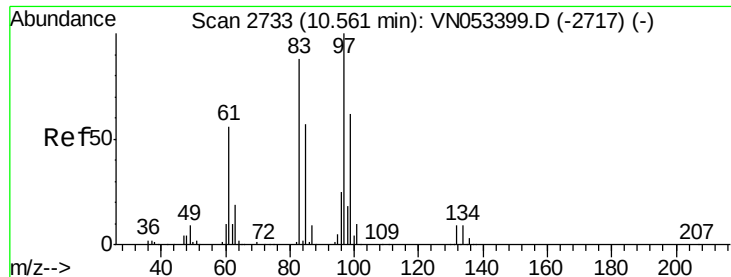
MMDadoda
1/17/2019 9:41:17 AM



#54
cis-1,3-Dichloropropene
Concen: 20.939 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.8	38.6
39	42.3	33.4	50.0





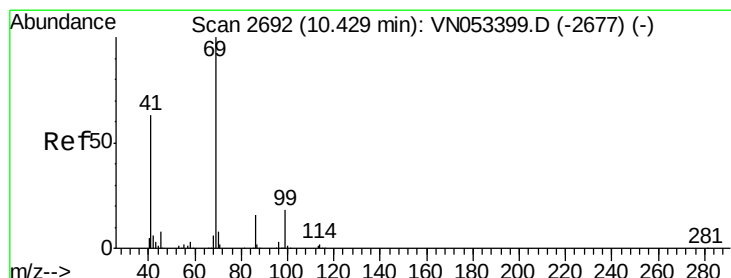
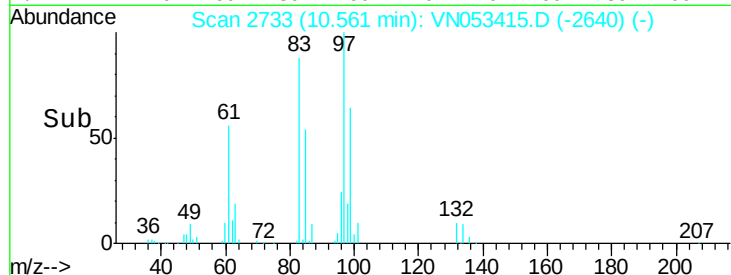
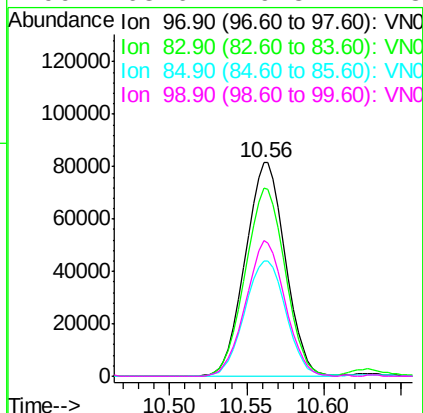
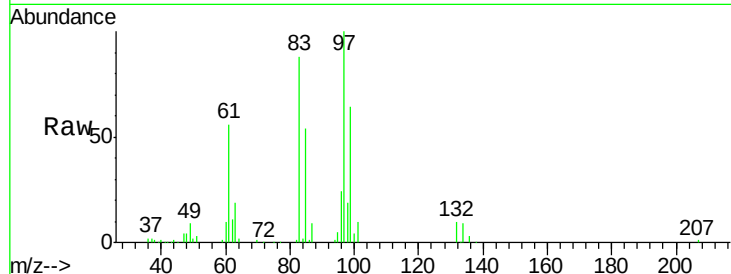
#55
 1,1,2-Trichloroethane
 Concen: 21.417 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		147151		
83	88.0	70.1	105.1		
85	54.0	45.4	68.0		
99	63.6	49.8	74.8		

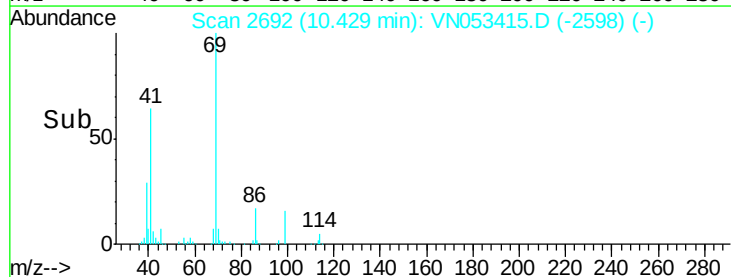
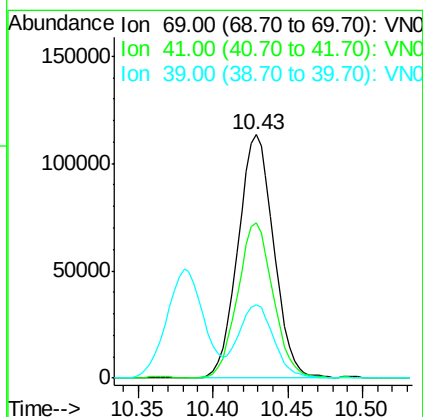
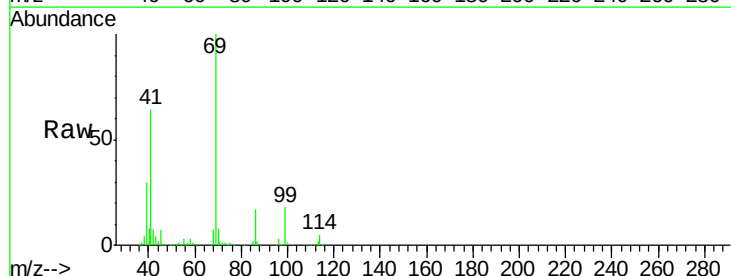
Manual Integrations
 APPROVED

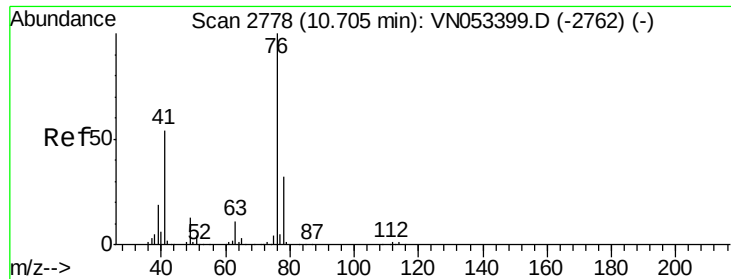
MMDadoda
 1/17/2019 9:41:17 AM



#56
 Ethyl methacrylate
 Concen: 20.605 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		188619		
41	62.5	49.4	74.0		
39	29.9	23.3	34.9		





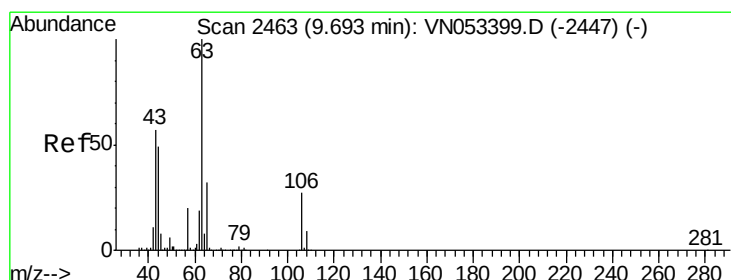
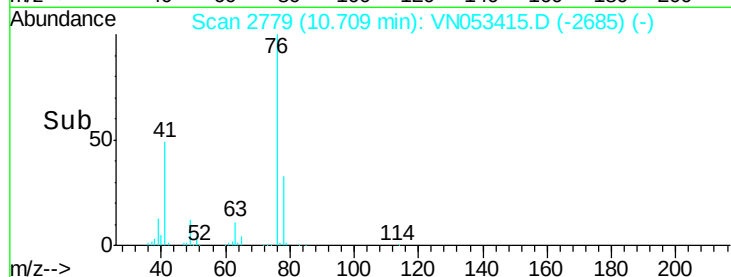
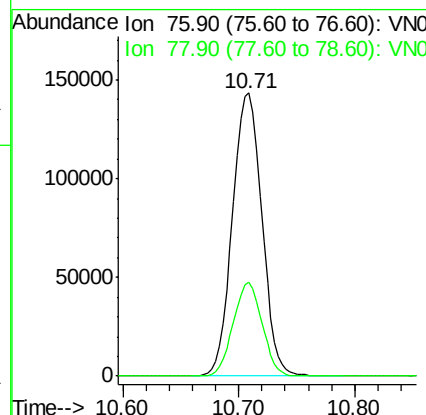
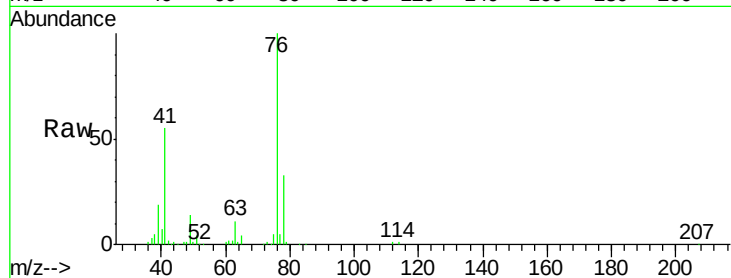
#57
 1,3-Dichloropropane
 Concen: 21.269 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.6	38.4

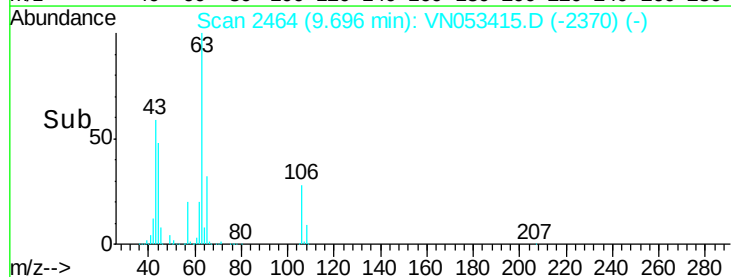
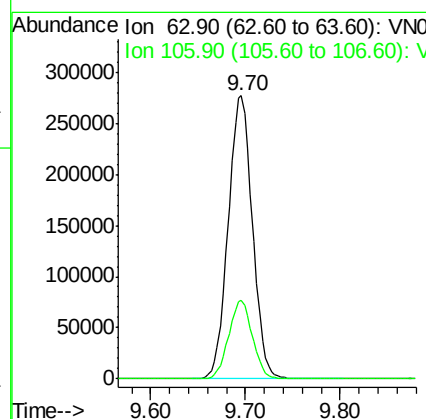
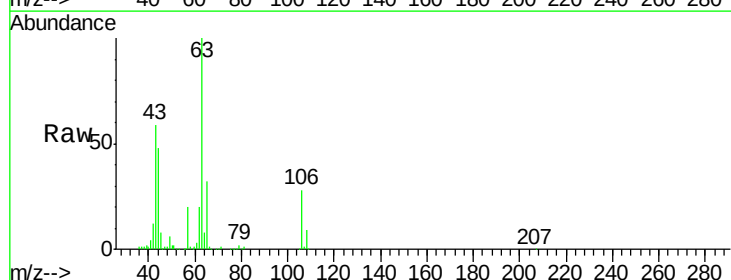
Manual Integrations
 APPROVED

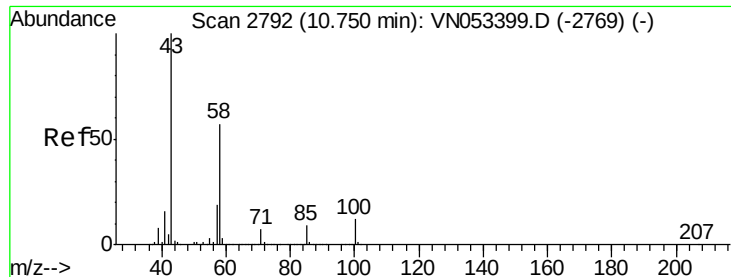
MMDadoda
 1/17/2019 9:41:17 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.418 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.5	32.3





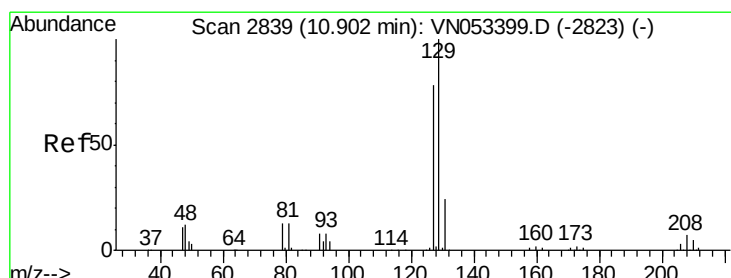
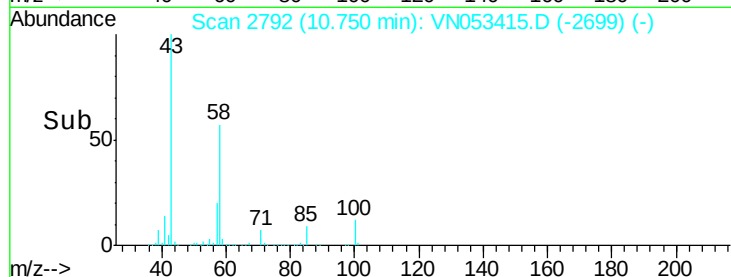
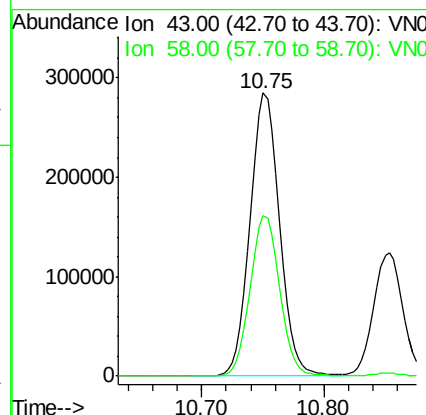
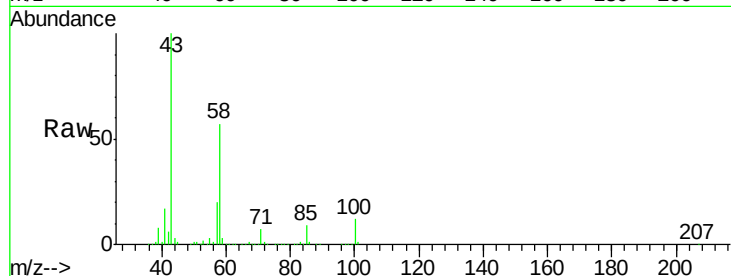
#59
2-Hexanone
Concen: 112.686 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Tot Ion: 43 Resp: 471914
Ion Ratio Lower Upper
43 100
58 57.0 28.6 85.8

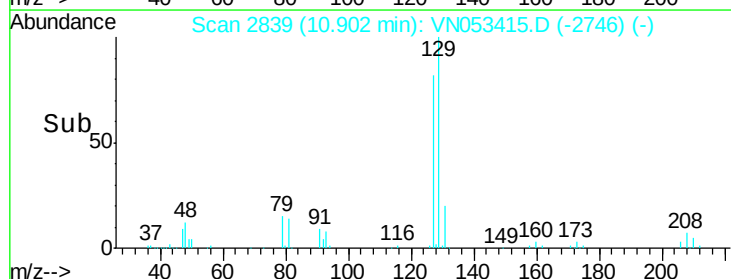
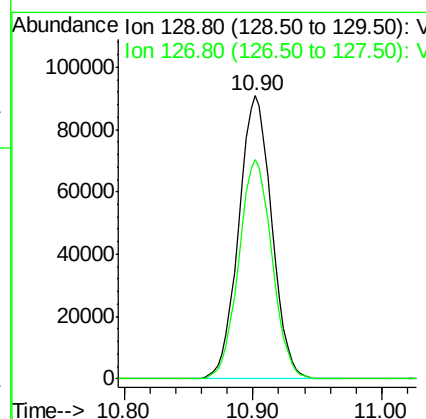
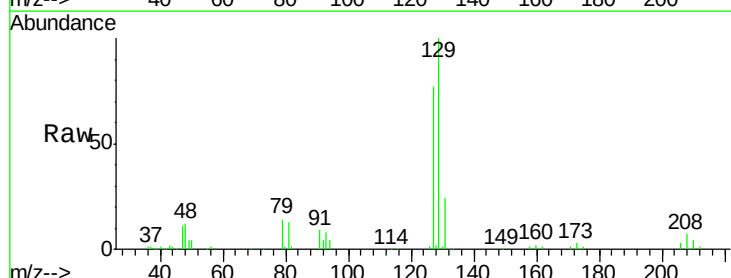
Manual Integrations
APPROVED

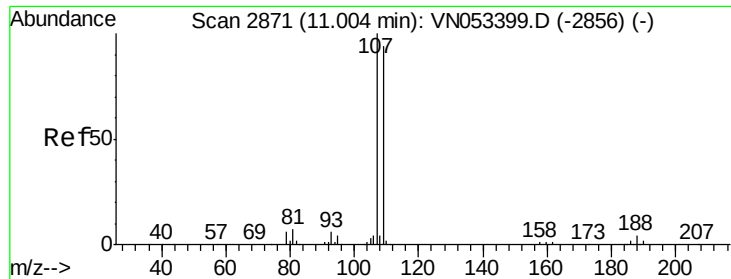
MMDadoda
1/17/2019 9:41:17 AM



#60
Dibromochloromethane
Concen: 20.759 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion: 129 Resp: 161774
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.8





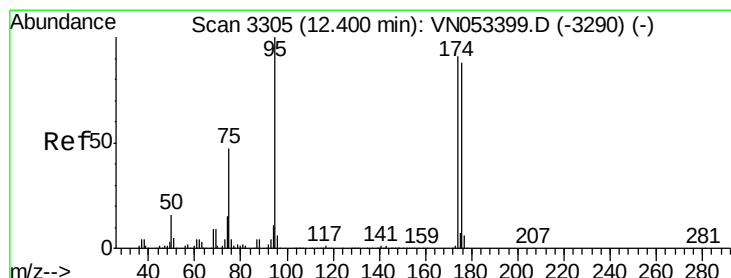
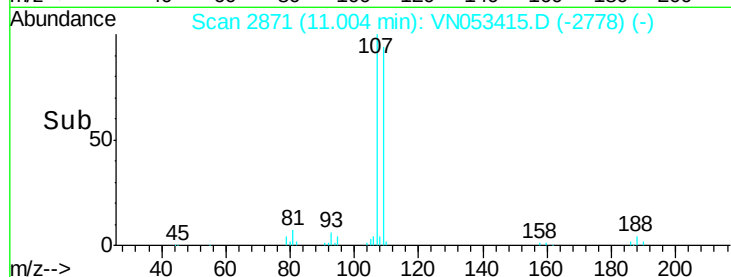
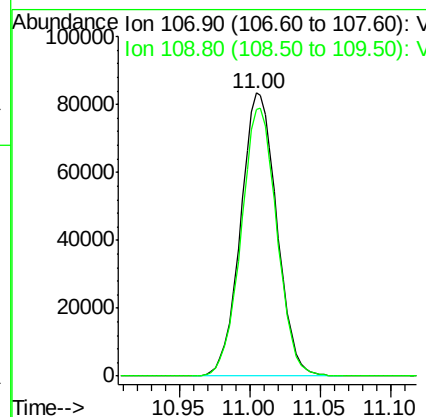
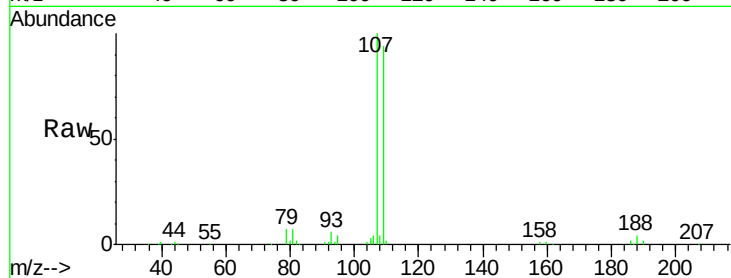
#61
 1,2-Dibromoethane
 Concen: 21.470 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.7	113.5

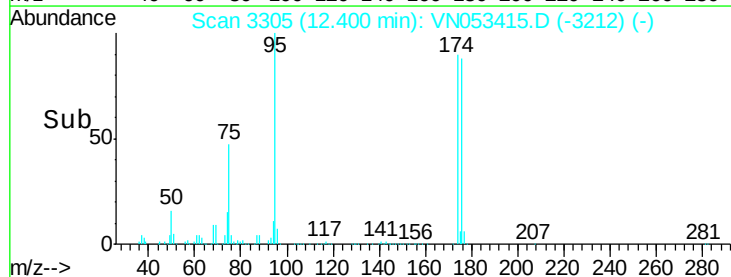
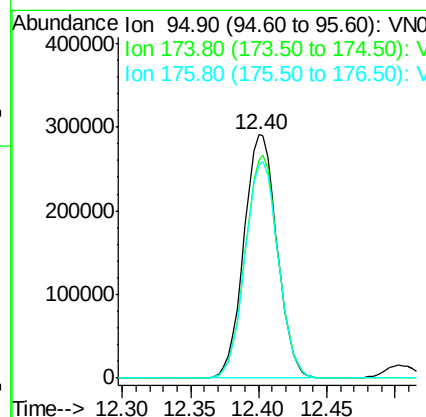
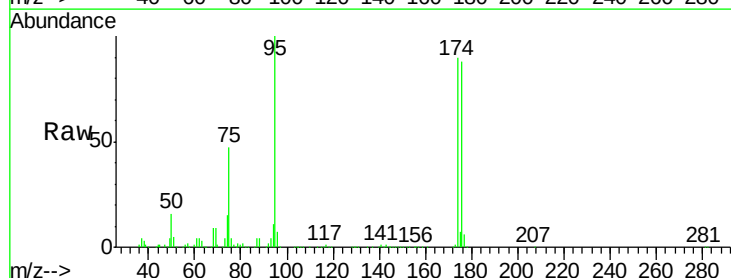
Manual Integrations
 APPROVED

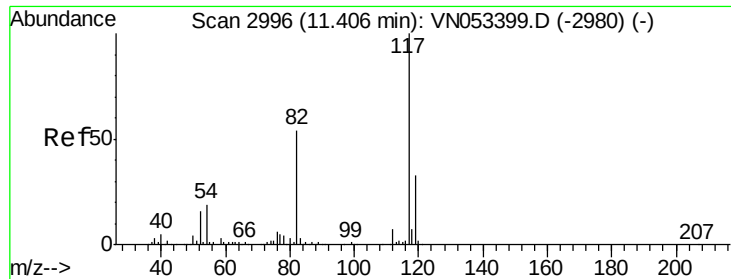
MMDadoda
 1/17/2019 9:41:17 AM



#62
 4-Bromofluorobenzene
 Concen: 21.470 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.2	0.0	183.2
176	89.0	0.0	177.4





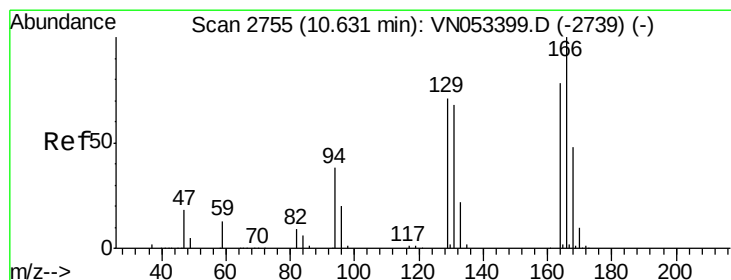
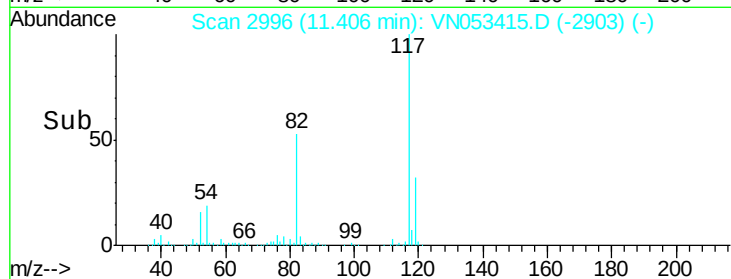
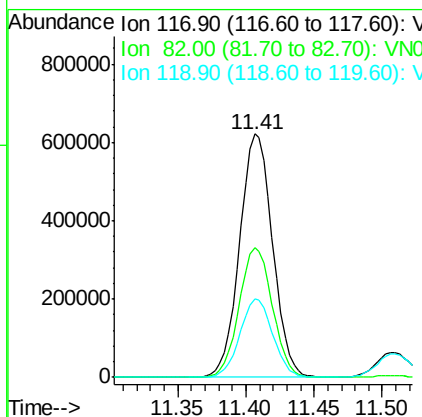
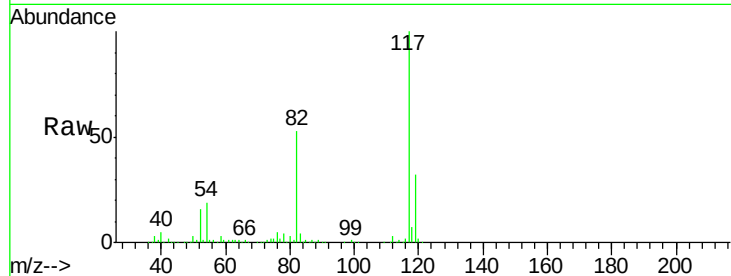
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.9	64.3
119	32.1	26.0	39.0

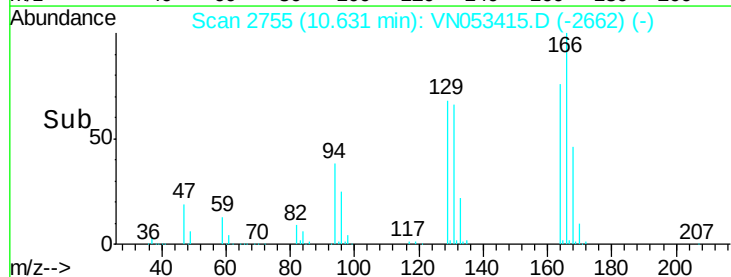
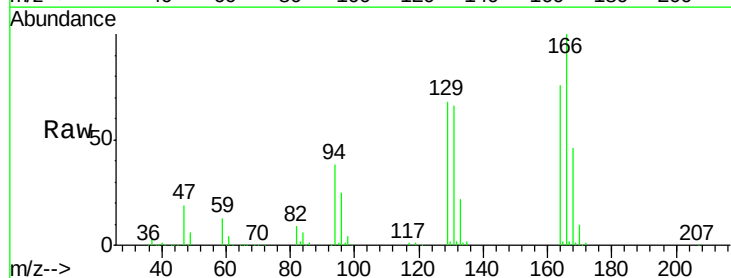
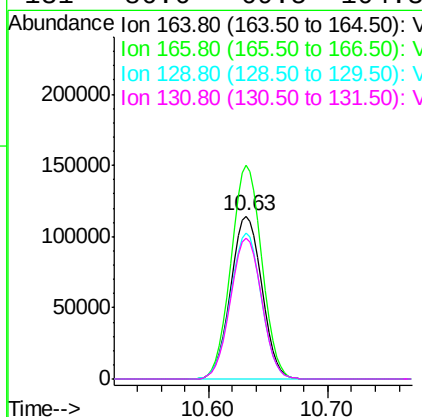
Manual Integrations
APPROVED

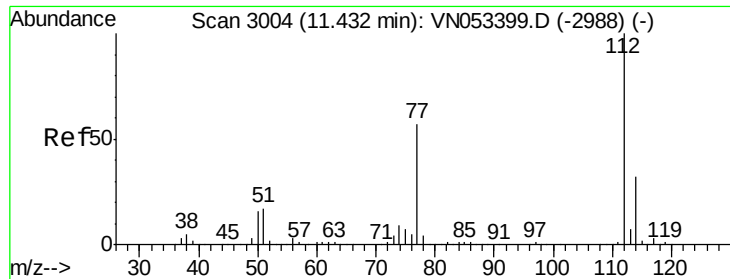
MMDadoda
1/17/2019 9:41:17 AM



#64
Tetrachloroethene
Concen: 21.149 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	102.2	153.4
129	89.4	72.6	109.0
131	86.6	69.5	104.3





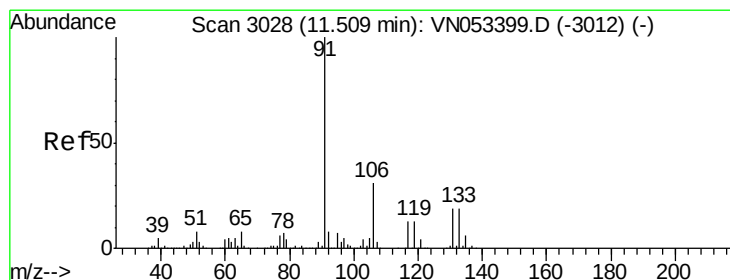
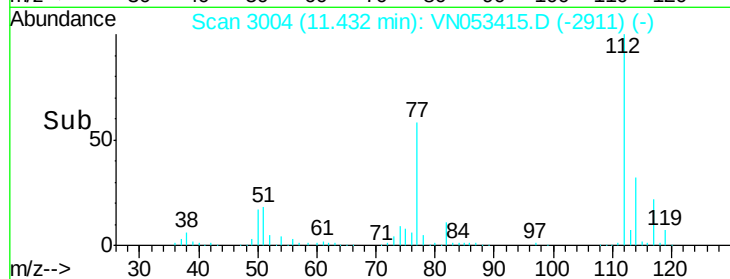
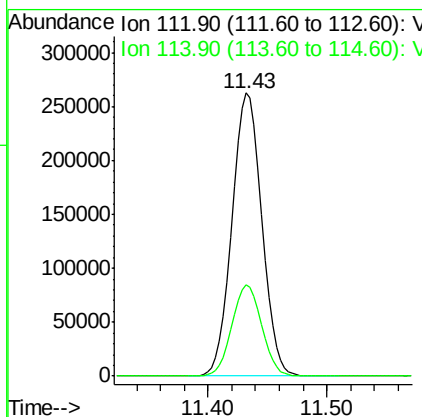
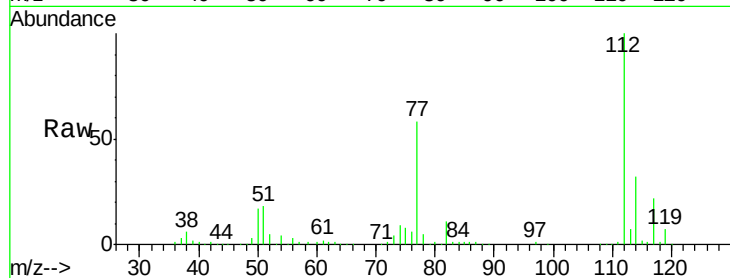
#65
Chlorobenzene
Concen: 20.608 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Tot Ion:112 Resp: 455458
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

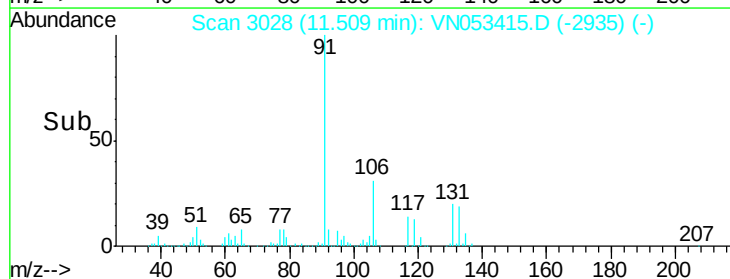
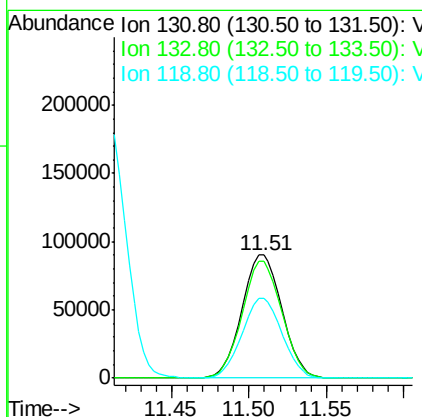
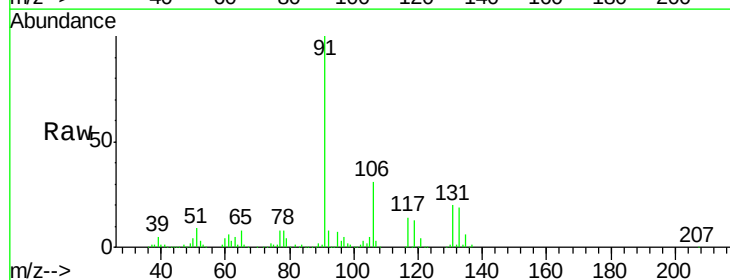
Manual Integrations
APPROVED

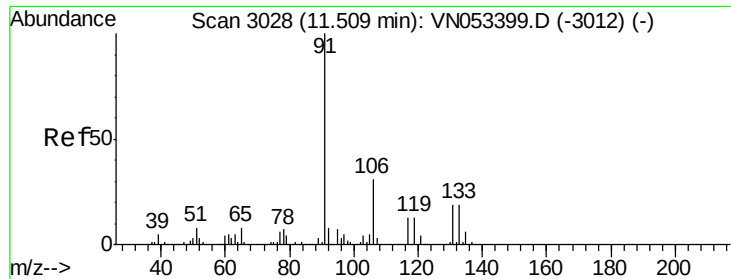
MMDadoda
1/17/2019 9:41:17 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.091 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion:131 Resp: 162162
Ion Ratio Lower Upper
131 100
133 94.5 48.0 144.0
119 64.7 33.5 100.5





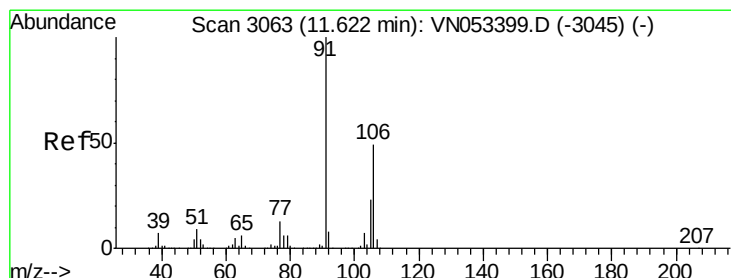
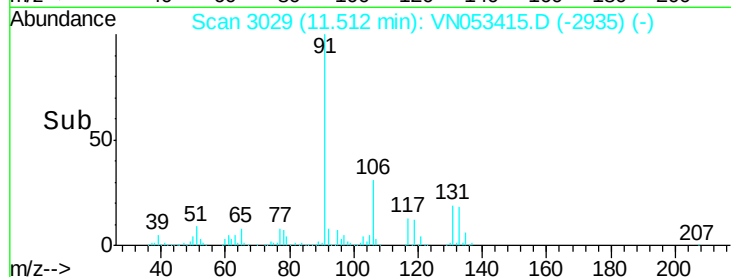
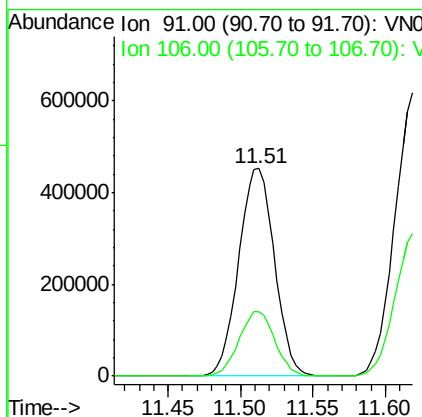
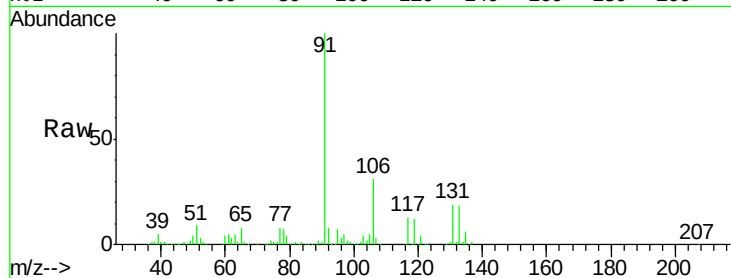
#67
Ethyl Benzene
Concen: 20.661 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Tot Ion: 91 Resp: 778179
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.6

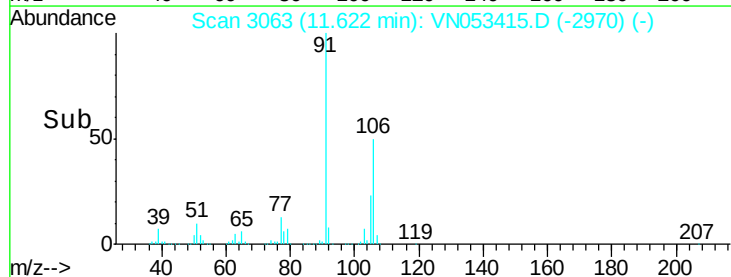
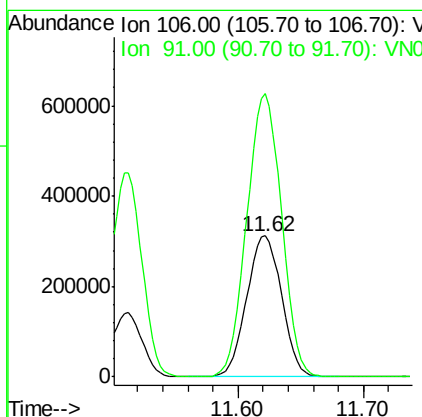
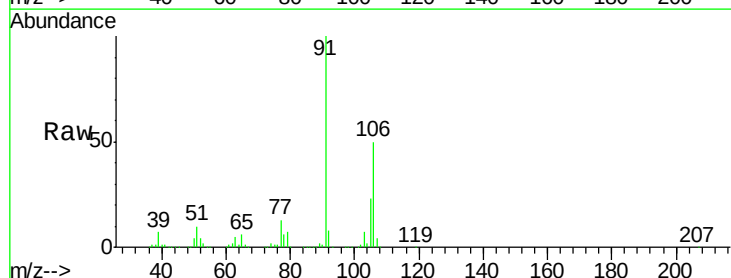
Manual Integrations
APPROVED

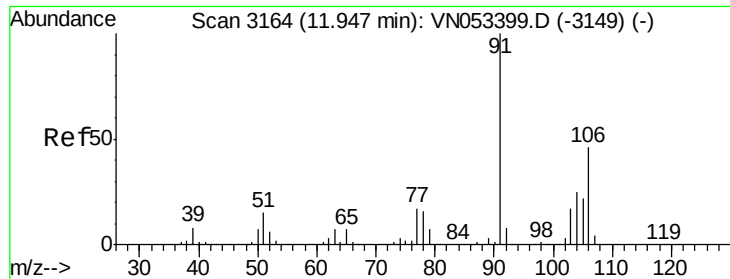
MMDadoda
1/17/2019 9:41:17 AM



#68
m/p-Xylenes
Concen: 42.556 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion: 106 Resp: 605180
Ion Ratio Lower Upper
106 100
91 199.9 161.4 242.2





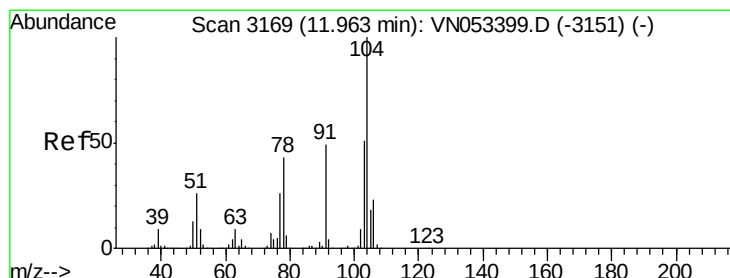
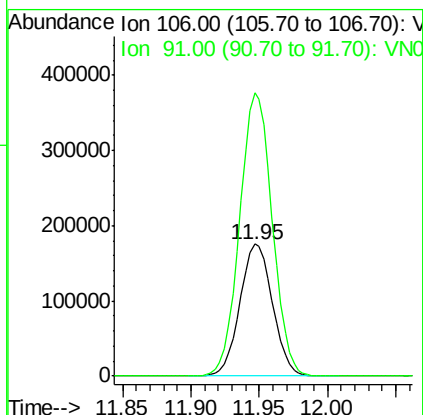
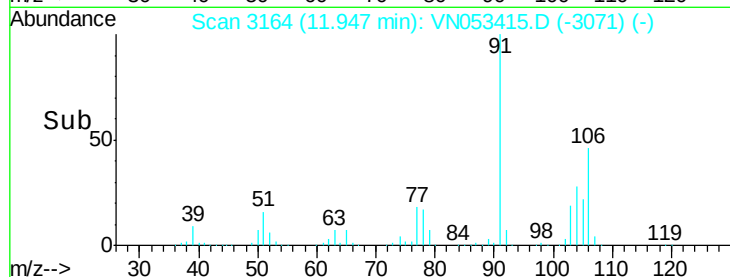
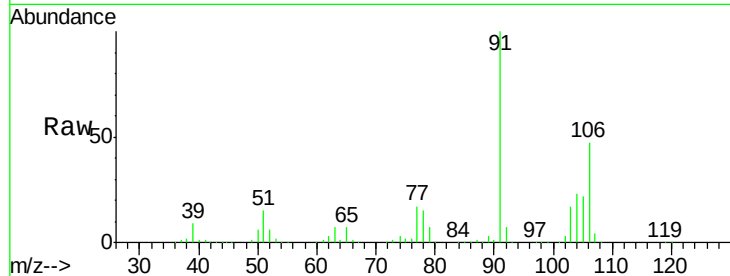
#69
o-Xylene
Concen: 21.149 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Instrument :
MSVOA_N
ClientSampled :
VN0116WBS01

Tot Ion:106 Resp: 292244
Ion Ratio Lower Upper
106 100
91 213.2 106.9 320.8

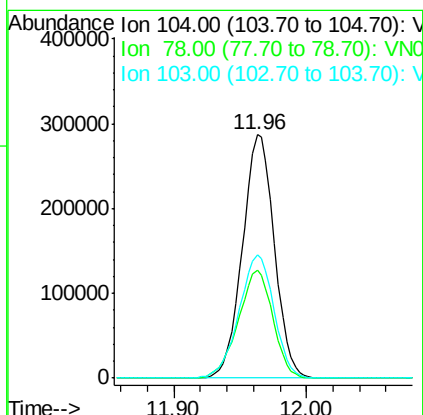
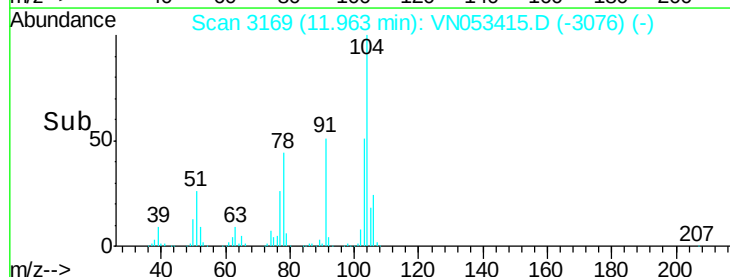
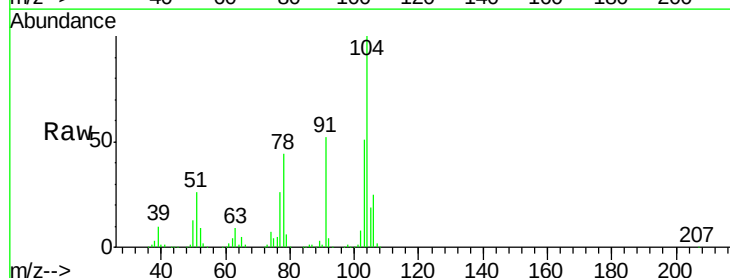
Manual Integrations
APPROVED

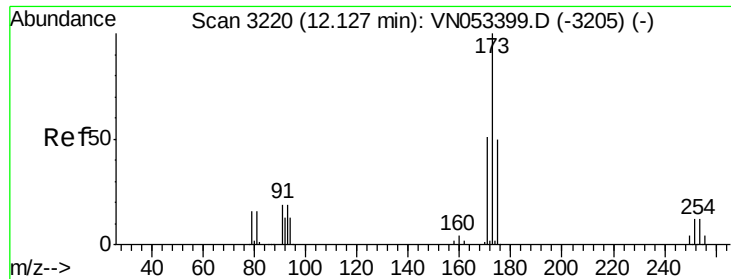
MMDadoda
1/17/2019 9:41:17 AM



#70
Styrene
Concen: 21.399 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion:104 Resp: 479902
Ion Ratio Lower Upper
104 100
78 48.0 38.2 57.2
103 55.4 44.4 66.6





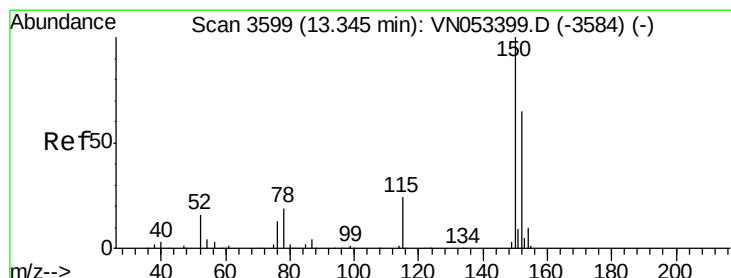
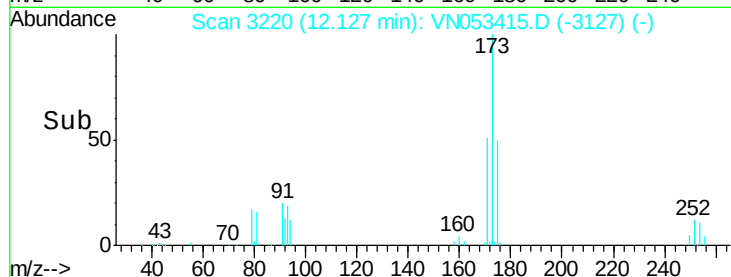
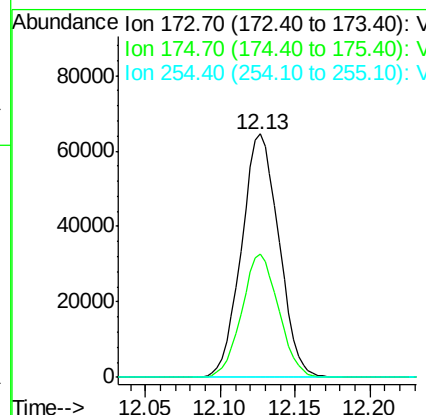
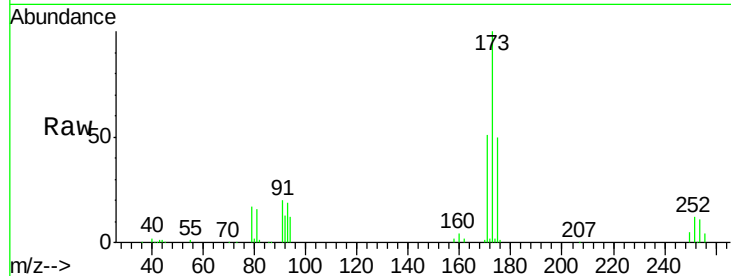
#71
Bromoform
Concen: 21.225 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.6	74.0
254	0.0	0.2	0.2

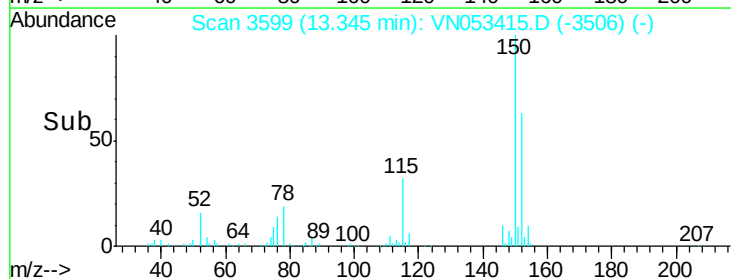
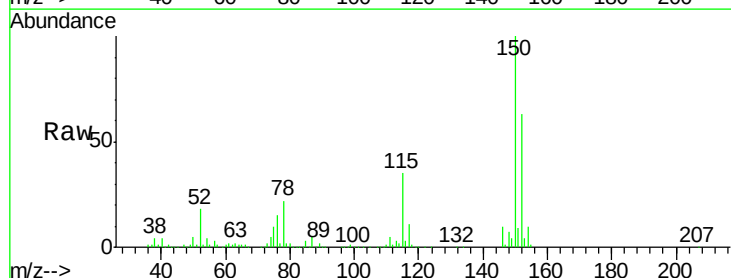
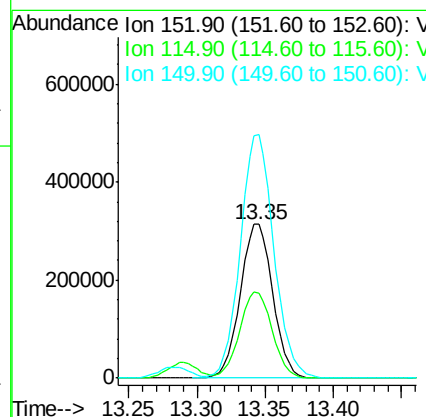
Manual Integrations
APPROVED

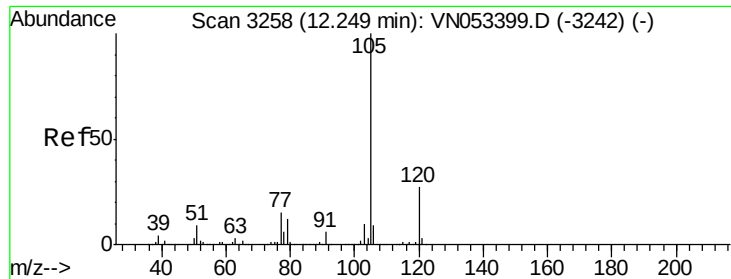
MMDadoda
1/17/2019 9:41:17 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	27.8	83.4
150	163.3	0.0	349.0





#73

Isopropylbenzene

Concen: 20.410 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

Tot Ion:105 Resp: 775165

Ion Ratio Lower Upper

105 100

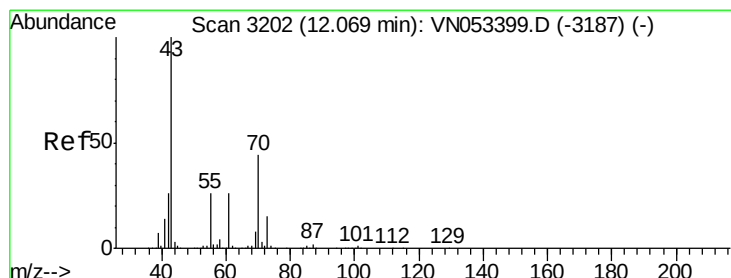
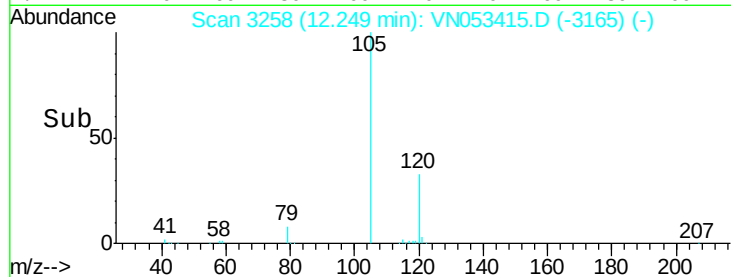
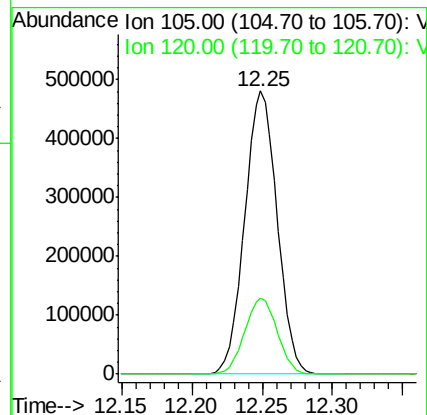
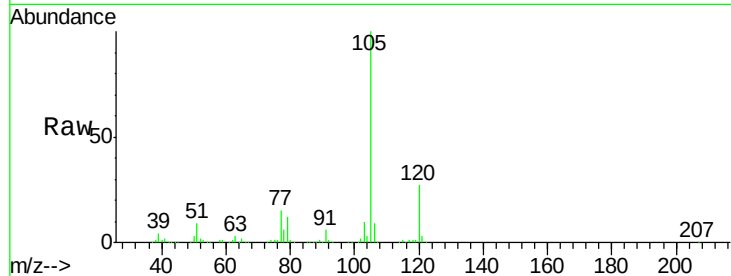
120 27.1 13.6 40.7

Manual Integrations

APPROVED

MMDadoda

1/17/2019 9:41:17 AM



#74

N-ethyl acetate

Concen: 21.235 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Tgt Ion: 43 Resp: 214995

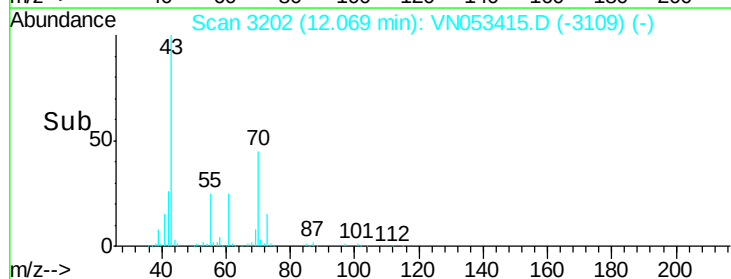
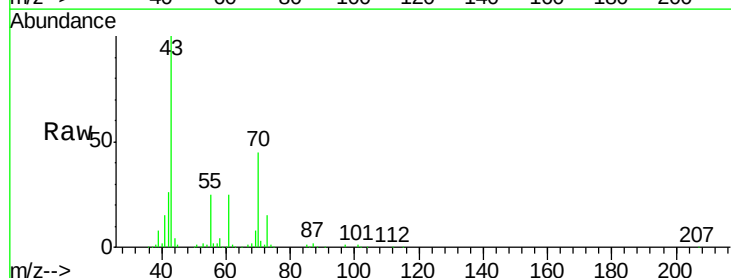
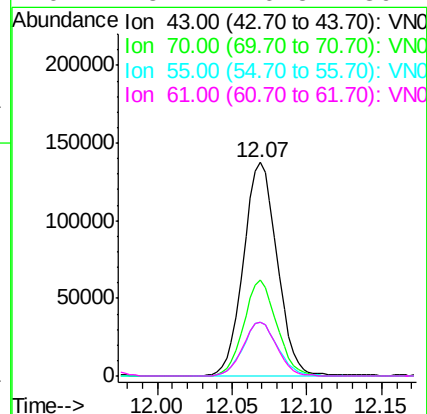
Ion Ratio Lower Upper

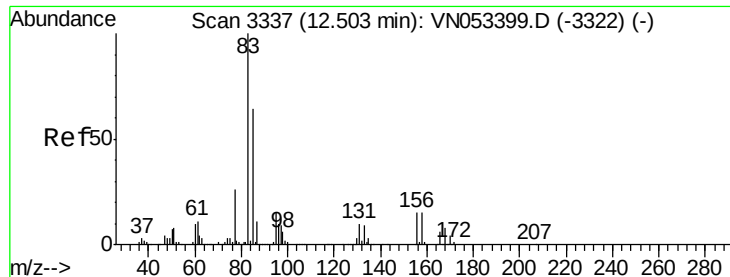
43 100

70 44.2 35.4 53.2

55 25.9 20.9 31.3

61 25.2 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.963 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

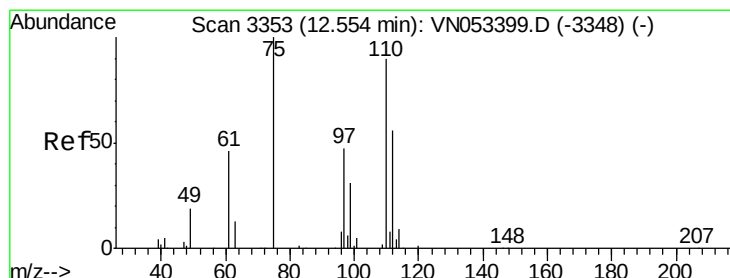
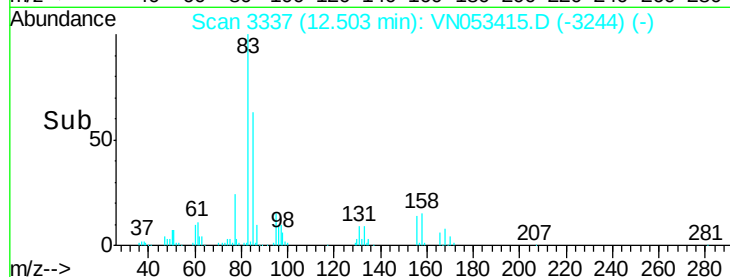
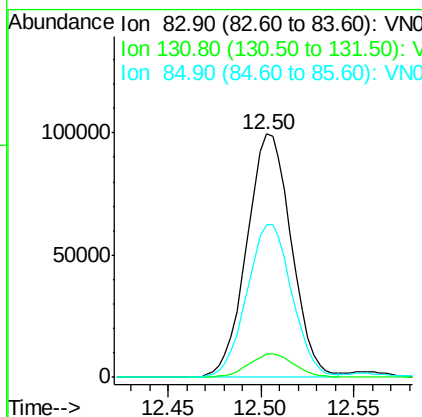
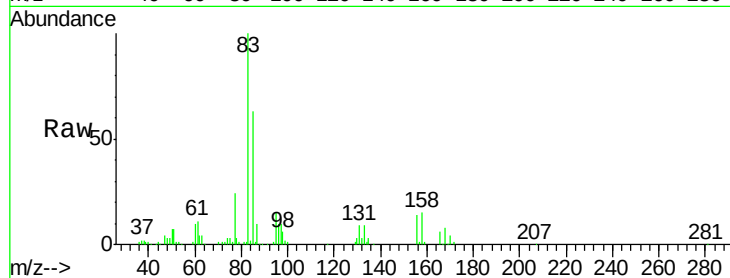
ClientSampleId :

VN0116WBS01

Tot Ion:	83	Resp:	166974
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.3	15.8
85	63.6	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
1/17/2019 9:41:17 AM



#76

1,2,3-Trichloropropane

Concen: 22.399 ug/l m

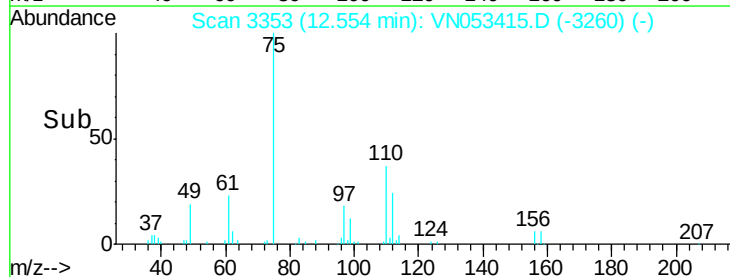
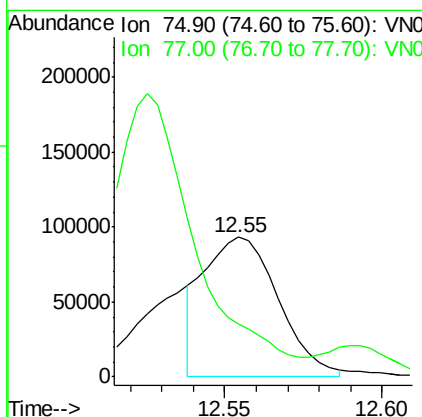
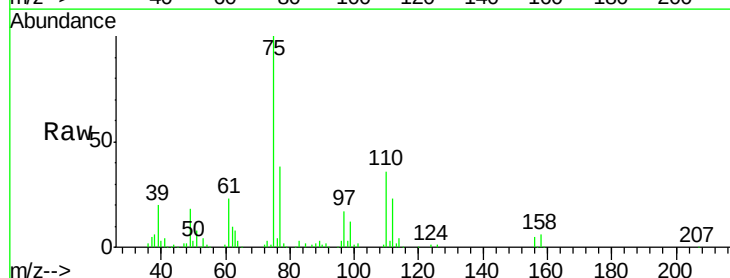
RT: 12.55 min Scan# 3353

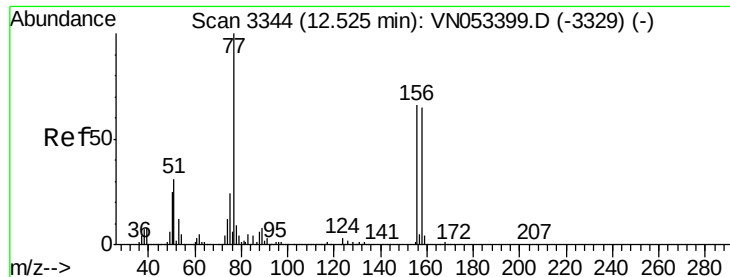
Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Tgt Ion:	75	Resp:	153088
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.392 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

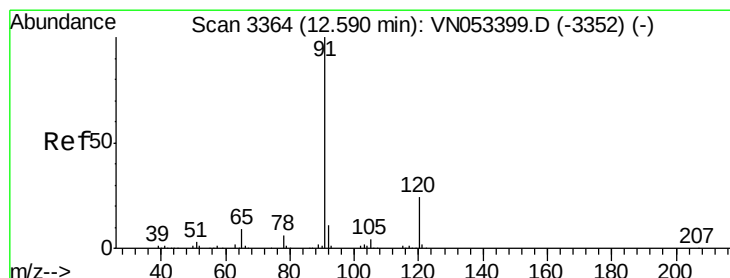
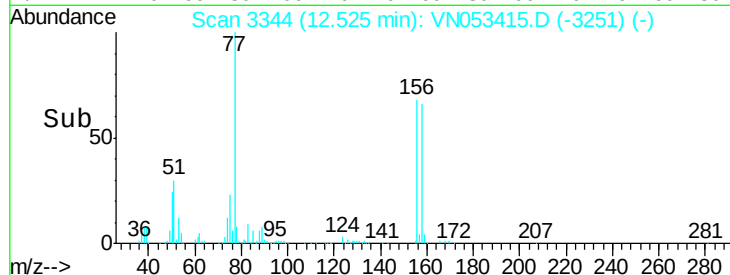
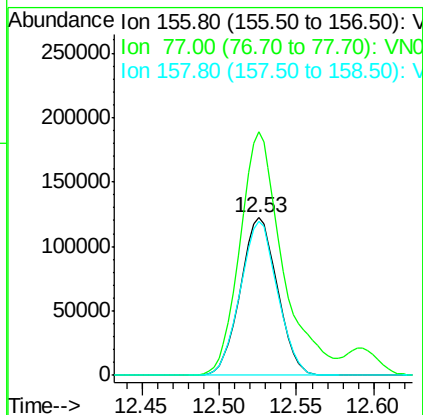
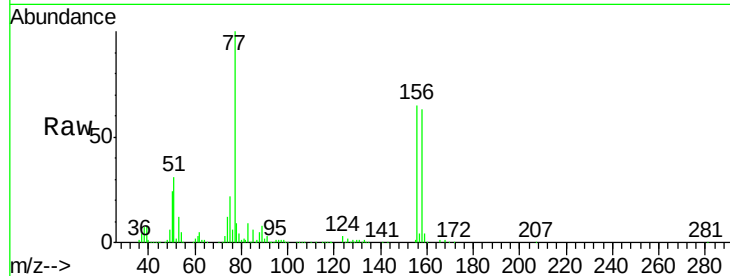
ClientSampleId :

VN0116WBS01

Tot Ion:	156	Resp:	204076
Ion Ratio	Lower	Upper	
156	100		
77	178.5	87.9	263.8
158	98.4	48.8	146.4

Manual Integrations
APPROVED

MMDadoda
1/17/2019 9:41:17 AM



#78

n-propylbenzene

Concen: 20.544 ug/l

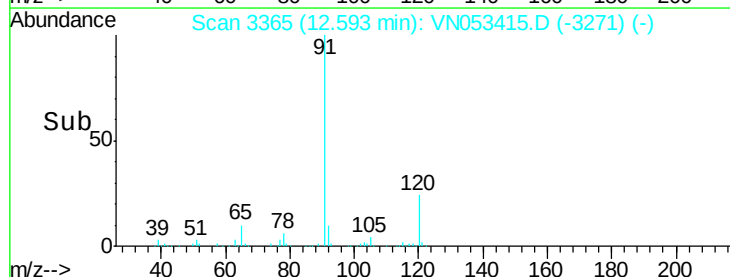
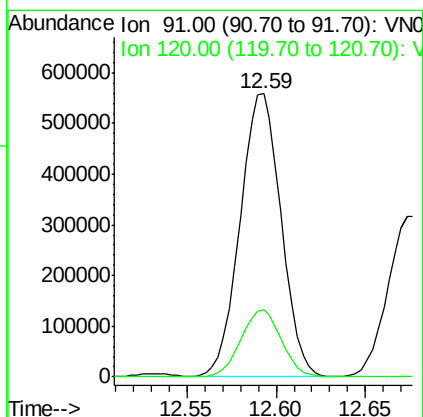
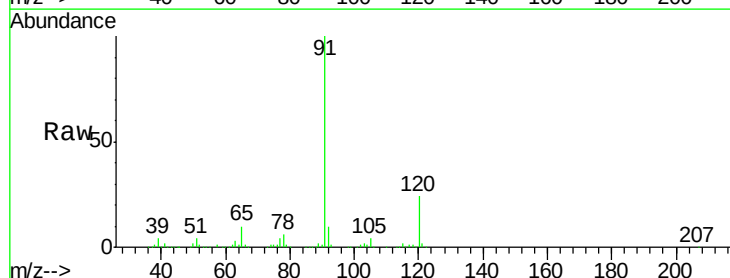
RT: 12.59 min Scan# 3365

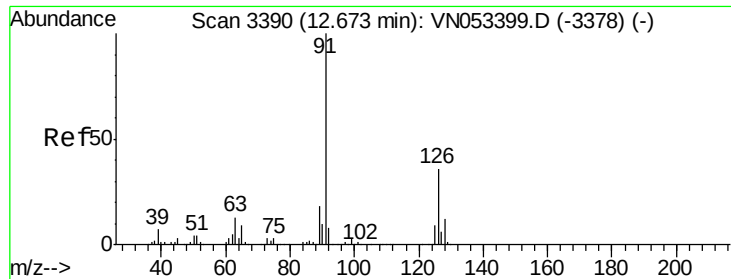
Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Tgt Ion:	91	Resp:	895647
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.656 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

Tot Ion: 91 Resp: 533785

Ion Ratio Lower Upper

91 100

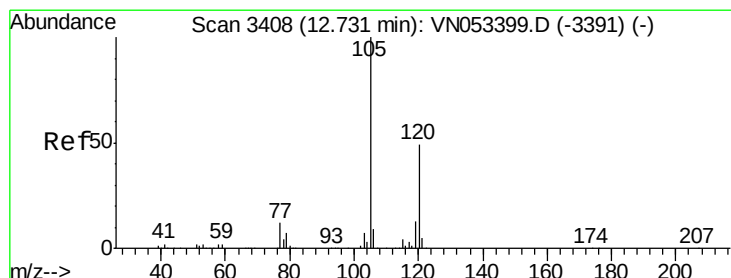
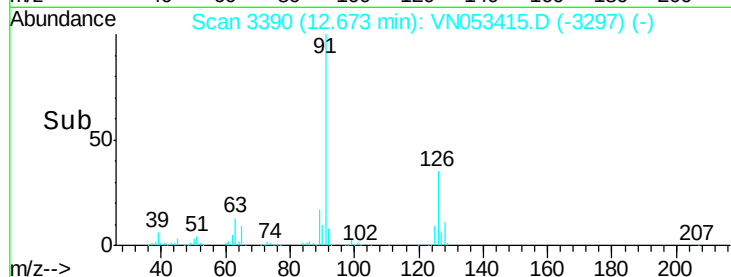
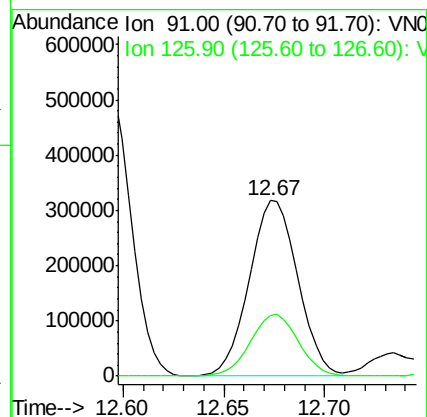
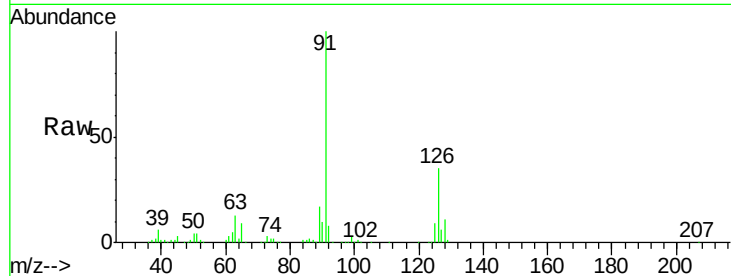
126 35.0 17.9 53.7

Manual Integrations

APPROVED

MMDadoda

1/17/2019 9:41:17 AM



#80

1,3,5-Trimethylbenzene

Concen: 20.884 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053415.D

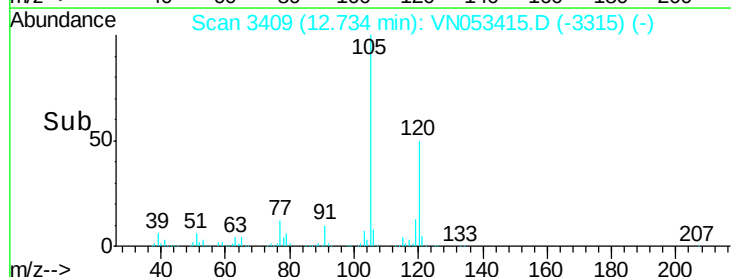
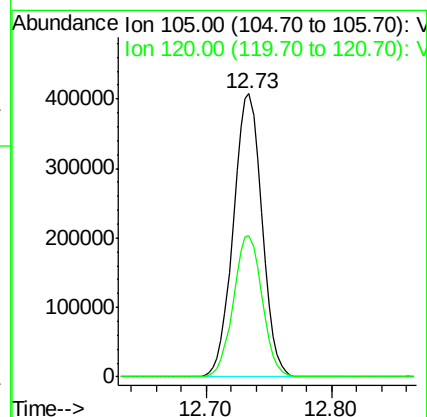
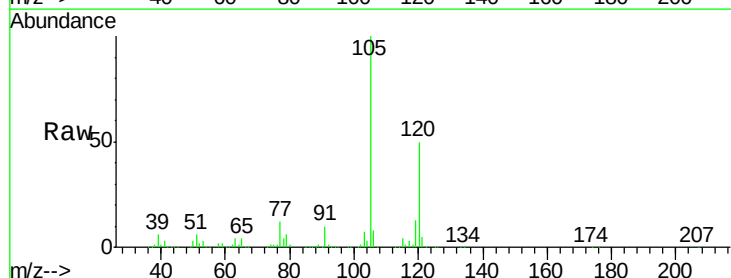
Acq: 16 Jan 2019 10:48

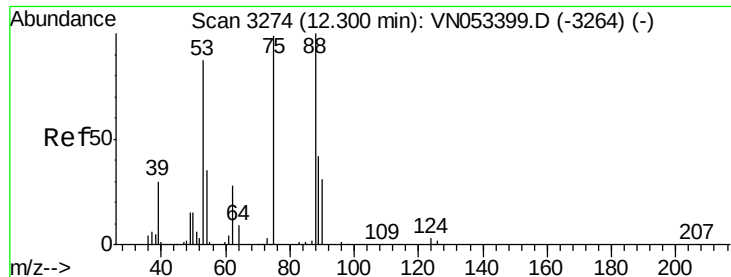
Tgt Ion: 105 Resp: 645346

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.382 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

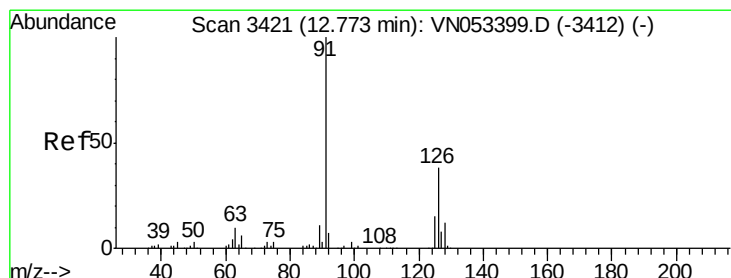
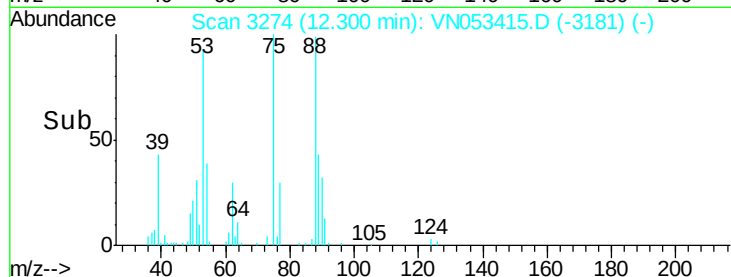
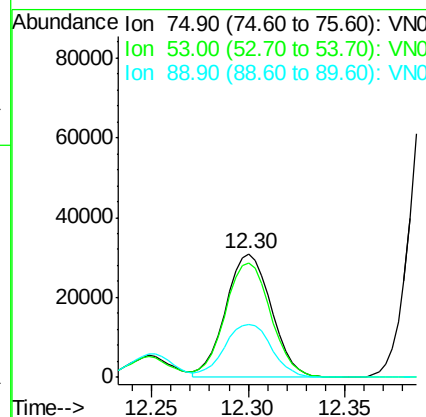
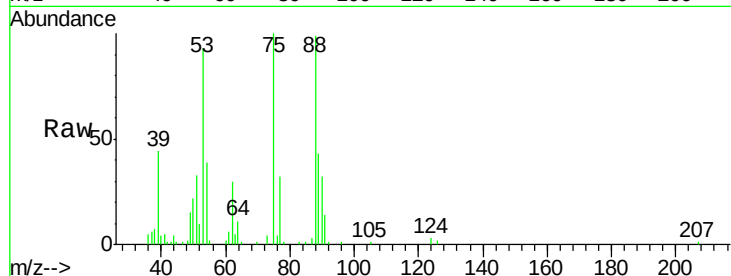
ClientSampleId :

VN0116WBS01

Tot Ion:	75	Resp:	50775
Ion	Ratio	Lower	Upper
75	100		
53	92.4	69.8	104.6
89	44.8	35.6	53.4

Manual Integrations
APPROVED

MMDadoda
1/17/2019 9:41:17 AM



#82

4-Chlorotoluene

Concen: 20.529 ug/l

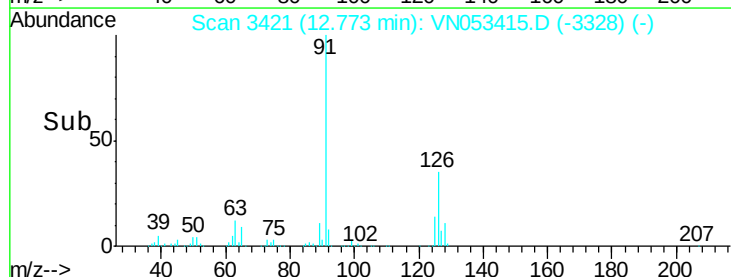
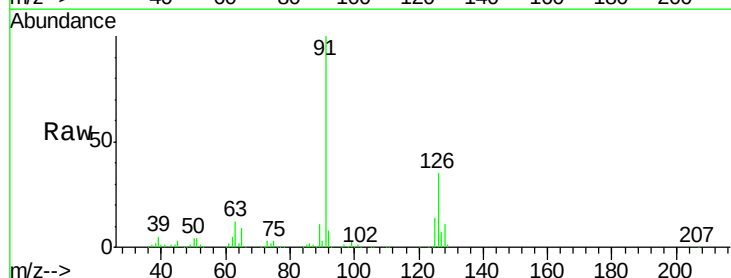
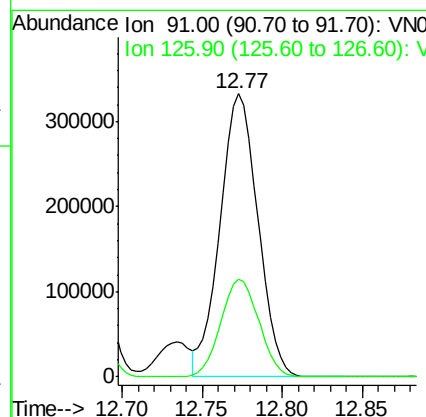
RT: 12.77 min Scan# 3421

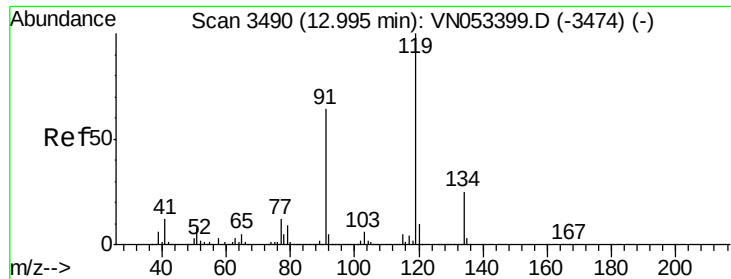
Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Tgt Ion:	91	Resp:	540988
Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.6	52.9





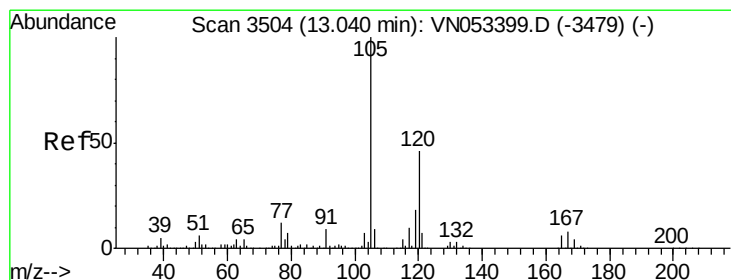
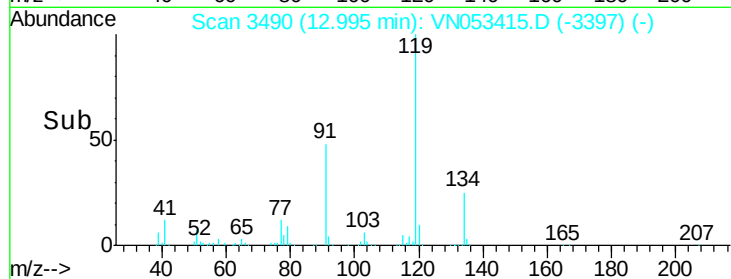
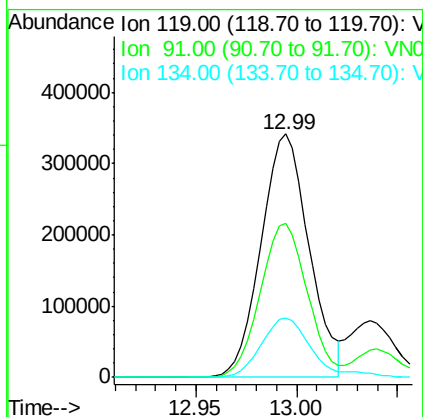
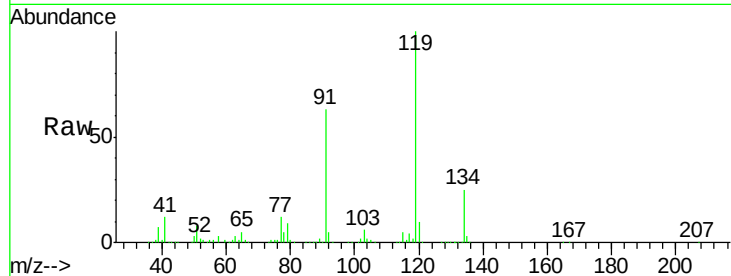
#83
 tert-Butylbenzene
 Concen: 20.714 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	565353		
91	62.1		31.3	93.8
134	25.8		12.9	38.7

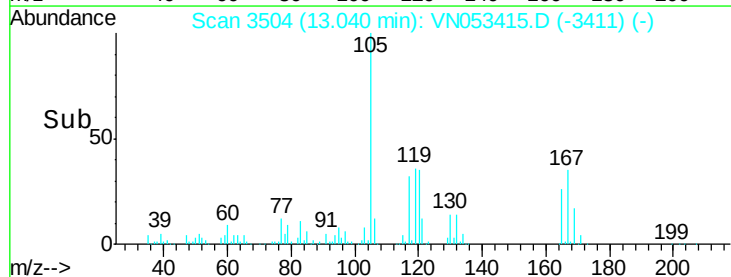
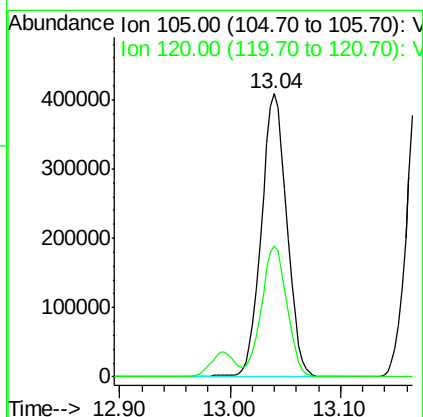
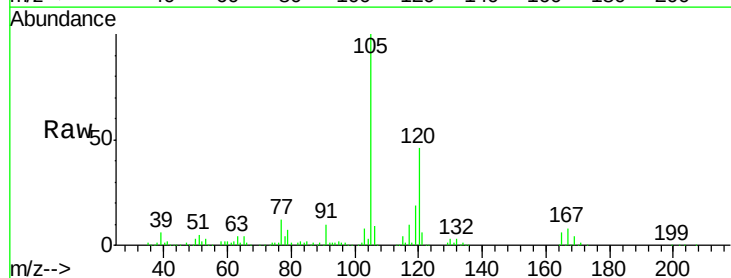
Manual Integrations
 APPROVED

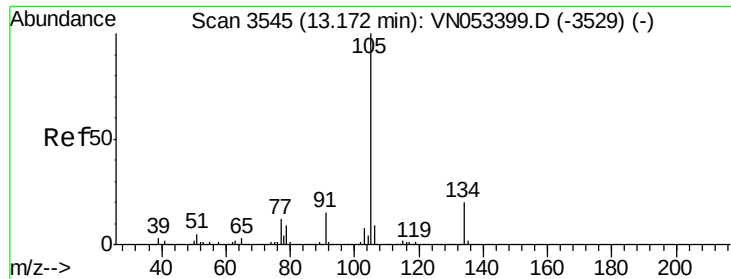
MMDadoda
 1/17/2019 9:41:17 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.009 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	654583		
120	46.3		23.0	69.0





#85

sec-Butylbenzene

Concen: 20.522 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

Tot Ion:105 Resp: 768153

Ion Ratio Lower Upper

105 100

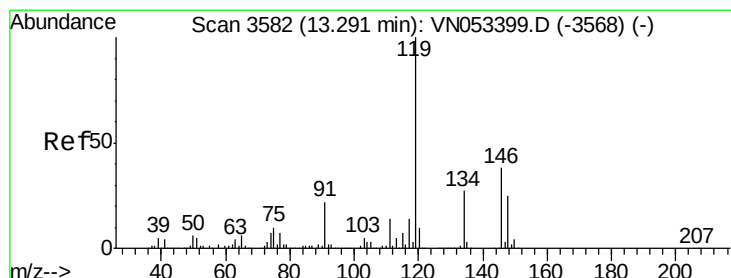
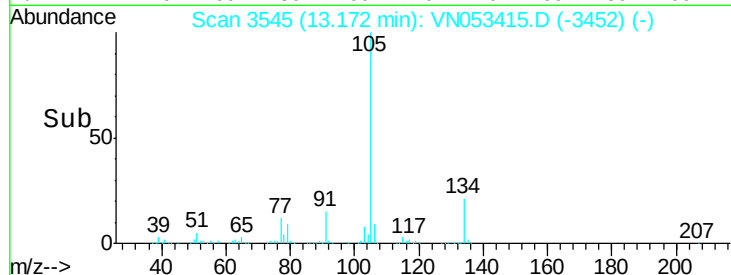
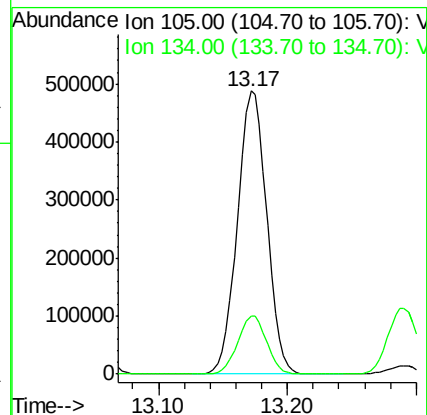
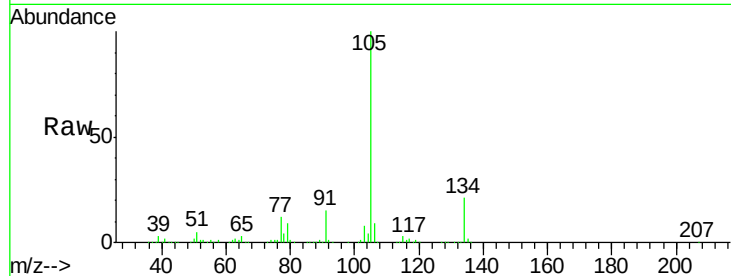
134 20.5 10.2 30.6

Manual Integrations

APPROVED

MMDadoda

1/17/2019 9:41:17 AM



#86

p-Isopropyltoluene

Concen: 20.777 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

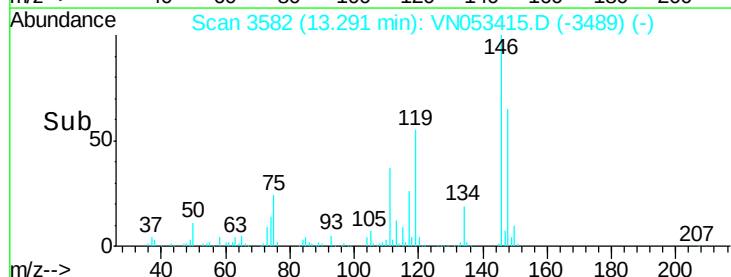
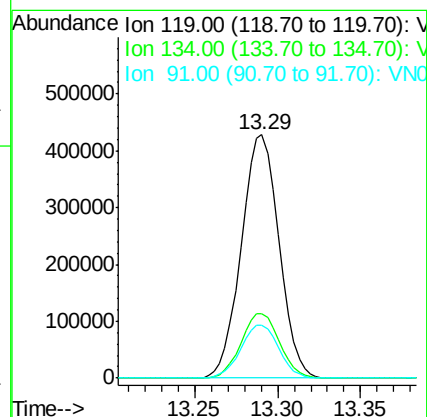
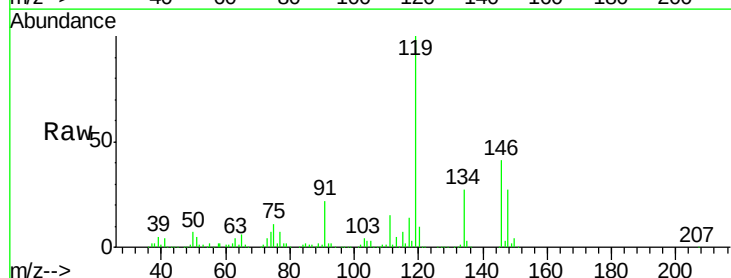
Tgt Ion:119 Resp: 675254

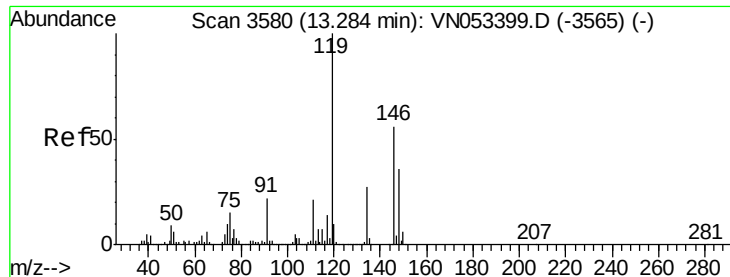
Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

91 22.0 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 20.778 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

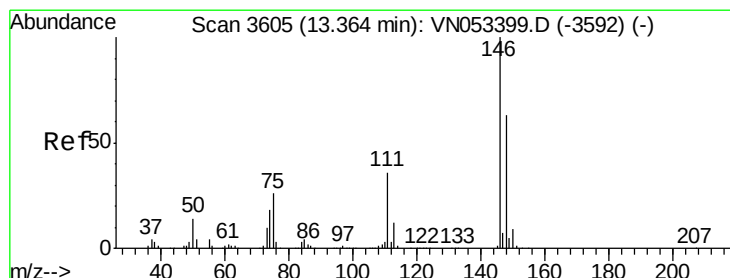
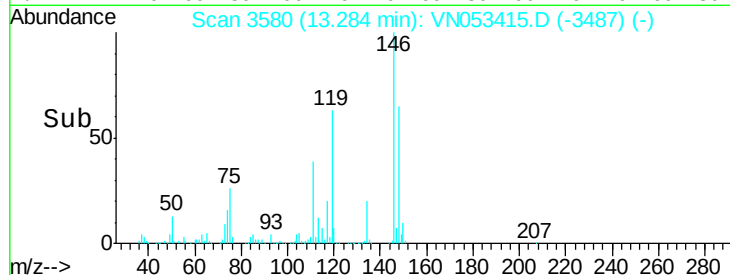
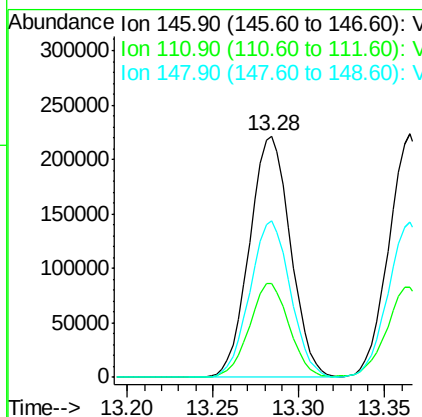
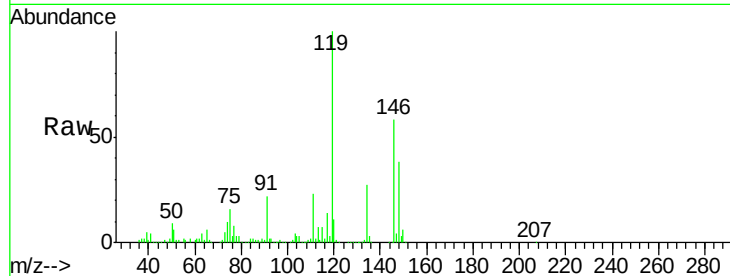
ClientSampleId :

VN0116WBS01

Tot Ion:	146	Resp:	365768
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.8	56.3
148	64.2	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
1/17/2019 9:41:17 AM



#88

1,4-Dichlorobenzene

Concen: 20.414 ug/l

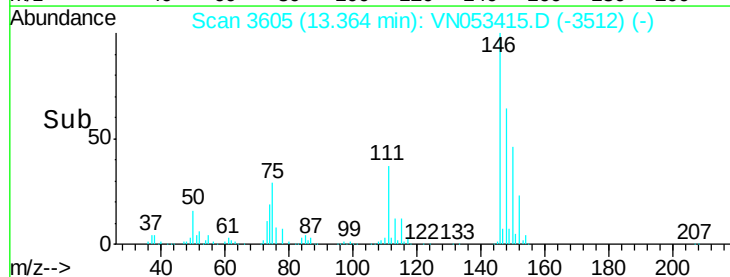
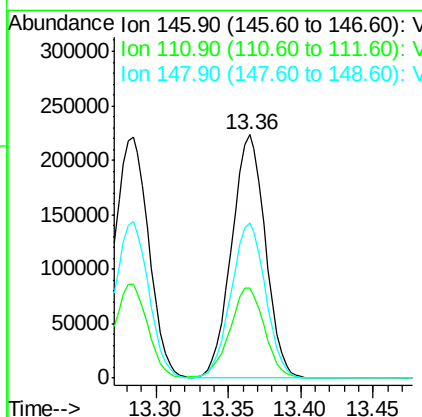
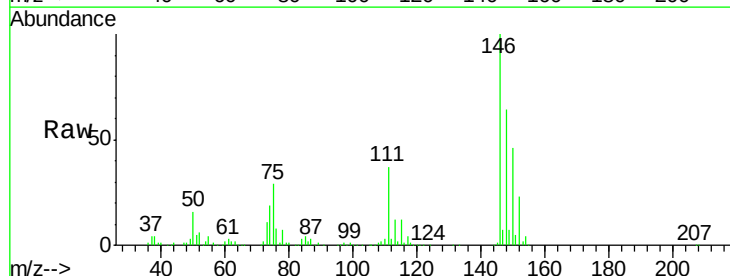
RT: 13.36 min Scan# 3605

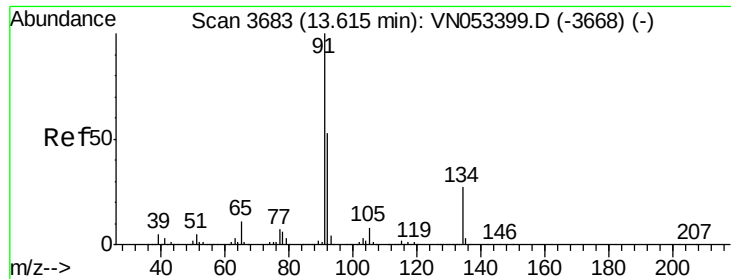
Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Tgt Ion:	146	Resp:	360481
Ion Ratio	Lower	Upper	
146	100		
111	38.3	18.6	55.8
148	65.0	32.4	97.0





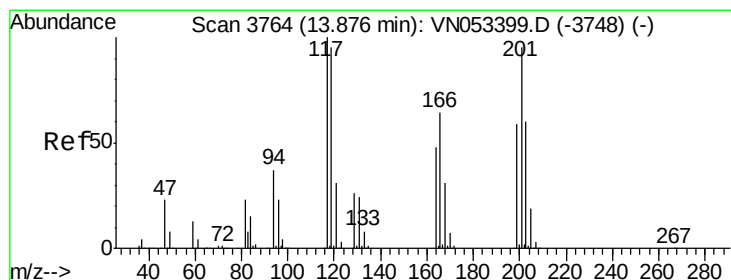
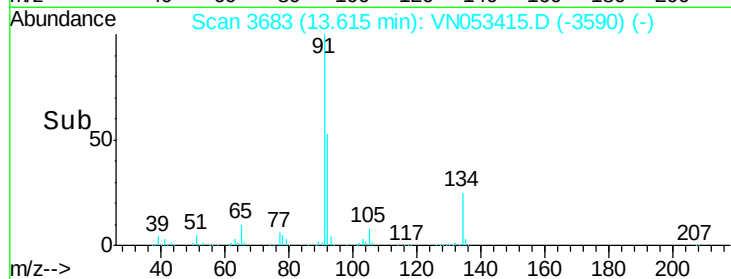
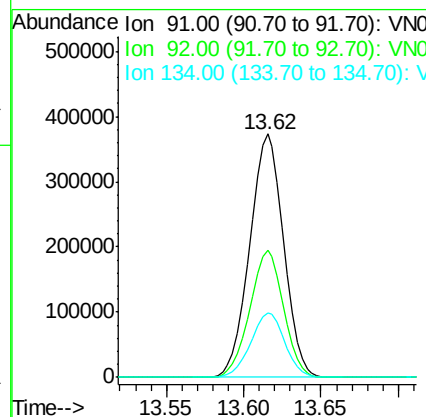
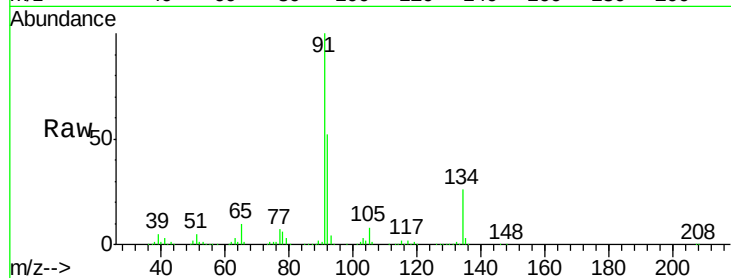
#89
n-Butylbenzene
Concen: 20.519 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Instrument :
MSVOA_N
ClientSampled :
VN0116WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.8
134	26.6	13.5	40.5

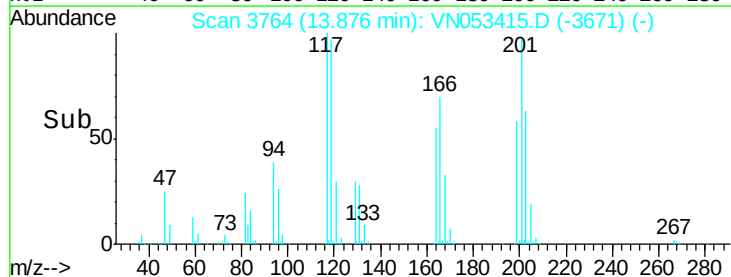
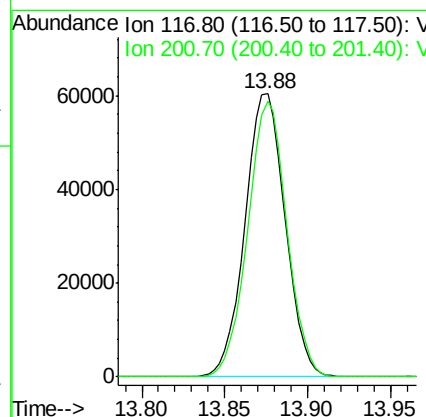
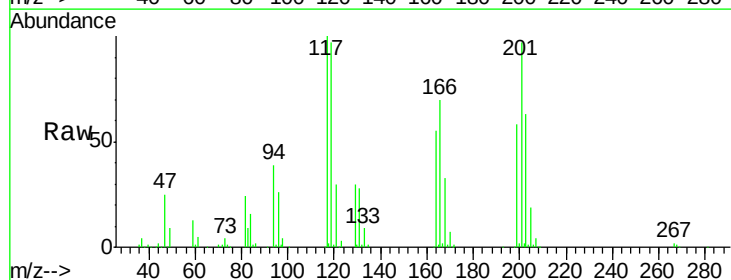
Manual Integrations
APPROVED

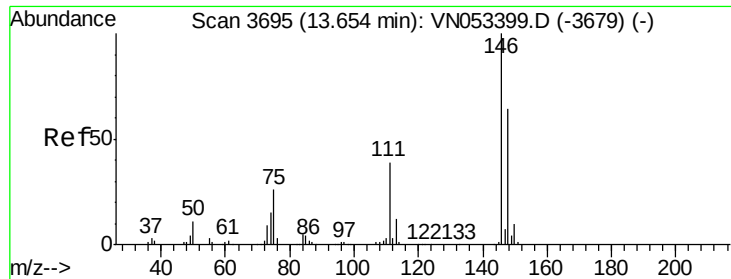
MMDadoda
1/17/2019 9:41:17 AM



#90
Hexachloroethane
Concen: 20.058 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.4	46.8	140.4





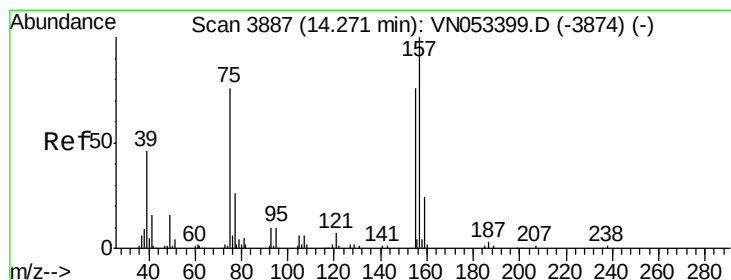
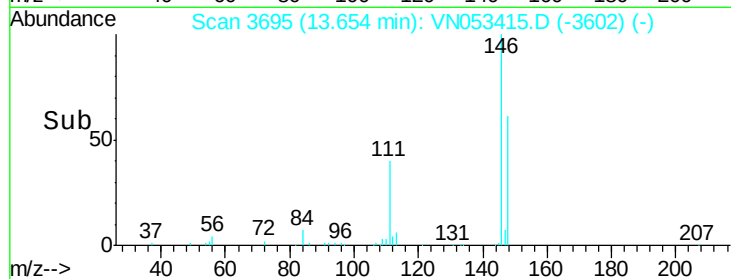
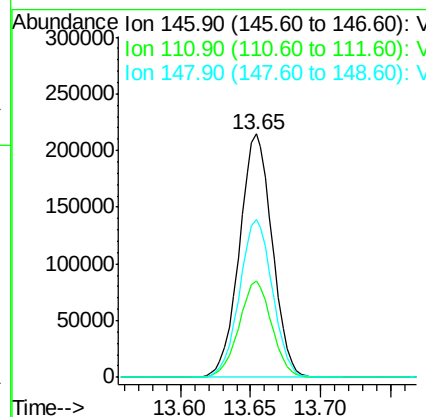
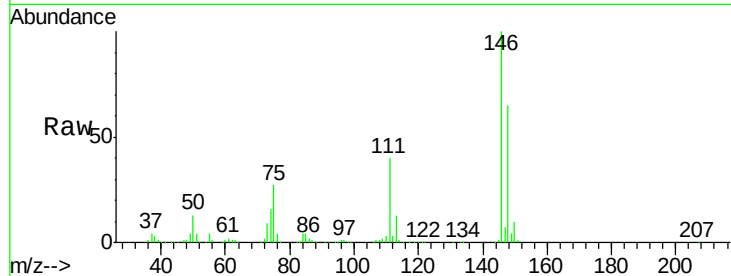
#91
 1,2-Dichlorobenzene
 Concen: 21.540 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.5	58.5
148	65.2	31.9	95.9

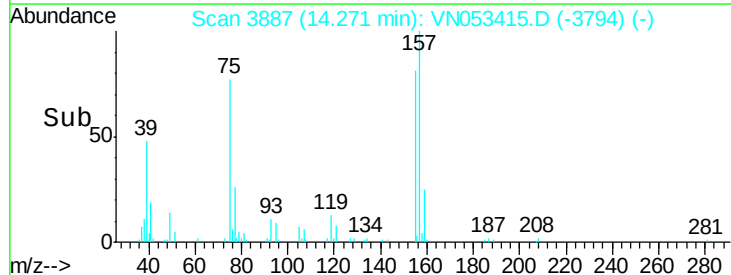
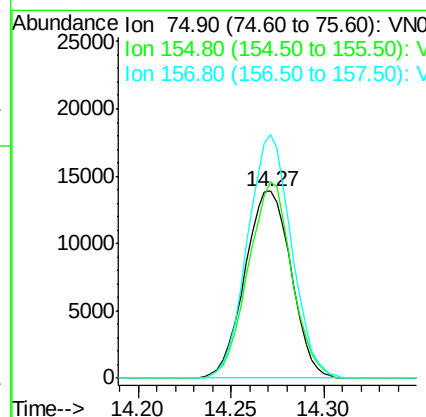
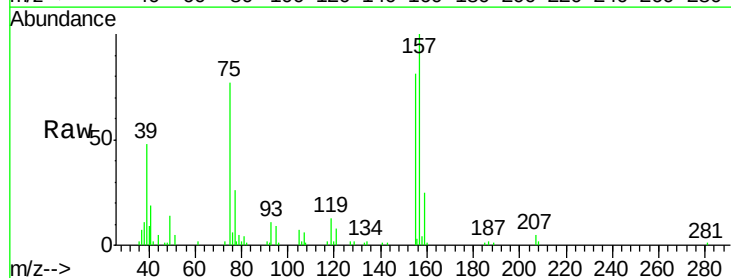
Manual Integrations
 APPROVED

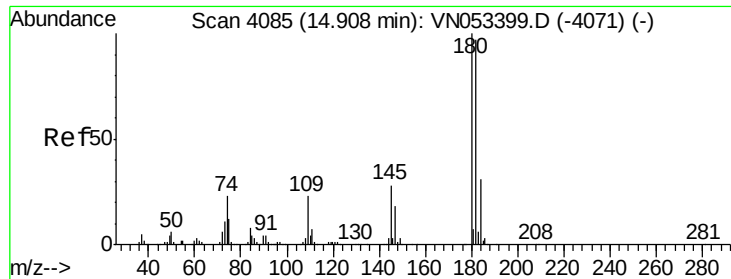
MMDadoda
 1/17/2019 9:41:17 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.916 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.9	48.9	146.7
157	123.5	63.7	191.3





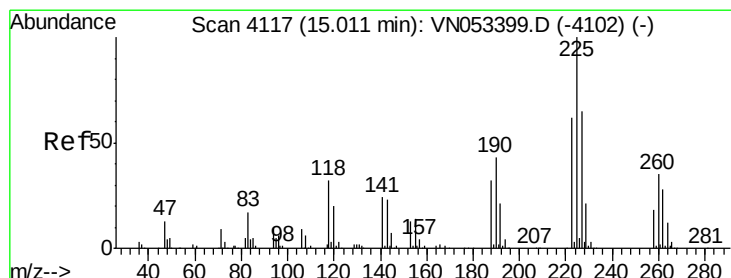
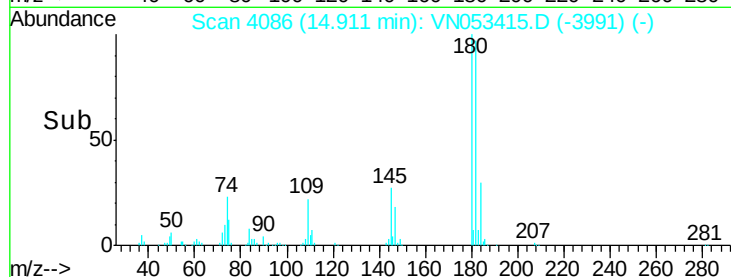
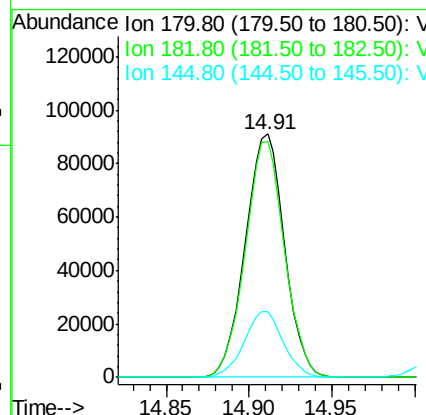
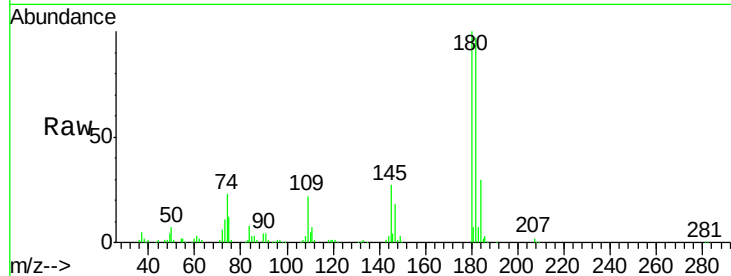
#93
 1,2,4-Trichlorobenzene
 Concen: 22.563 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Instrument :
 MSVOA_N
 ClientSampled :
 VN0116WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.1	144.3
145	27.0	13.9	41.6

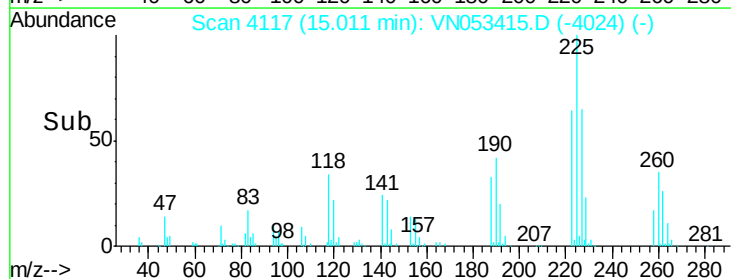
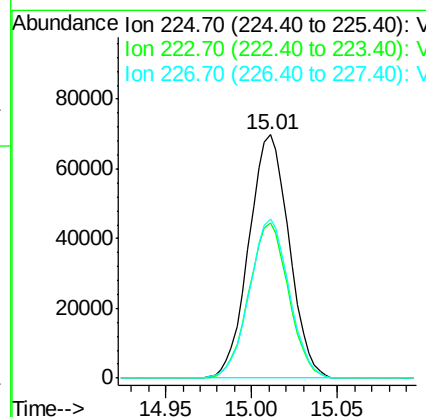
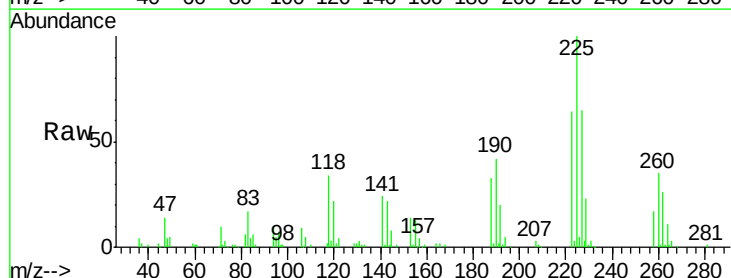
Manual Integrations
 APPROVED

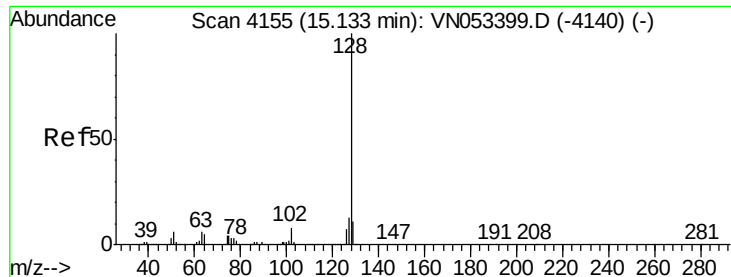
MMDadoda
 1/17/2019 9:41:17 AM



#94
 Hexachlorobutadiene
 Concen: 22.382 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.1	93.2
227	64.5	32.0	96.2





#95

Naphthalene

Concen: 22.457 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

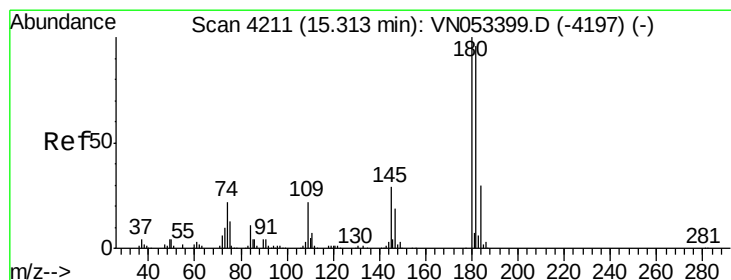
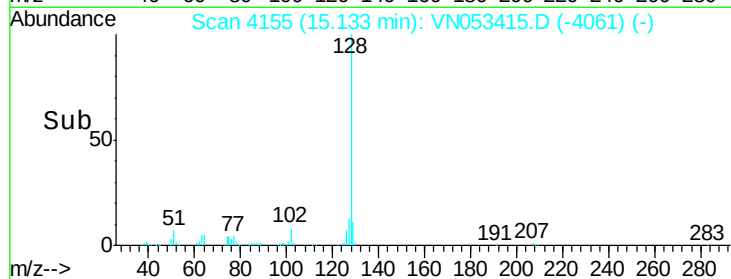
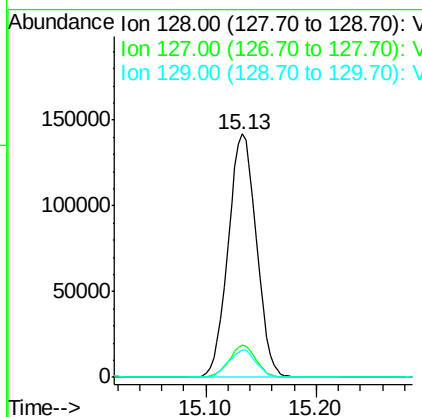
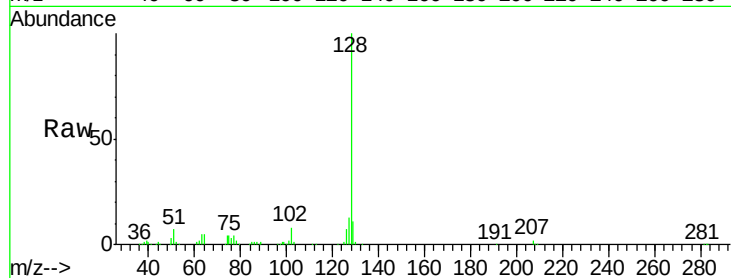
ClientSampleId :

VN0116WBS01

Tot Ion:	128	Resp:	252025
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/17/2019 9:41:17 AM



#96

1,2,3-Trichlorobenzene

Concen: 23.142 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Tgt Ion:	180	Resp:	109113
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.9	143.8
145	29.0	14.7	44.1

