

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010519\
 Data File : VN053286.D
 Acq On : 4 Jan 2019 17:42
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 10:24:01 AM

Quant Time: Jan 07 09:32:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:27:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	894912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1390292	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1225568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	563570	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	48275	5.27	ug/l	0.00
Spiked Amount			Recovery	=	10.54%	
35) Dibromofluoromethane	7.59	113	38444	4.89	ug/l	0.00
Spiked Amount			Recovery	=	9.78%	
50) Toluene-d8	10.09	98	165089	4.86	ug/l	0.00
Spiked Amount			Recovery	=	9.72%	
62) 4-Bromofluorobenzene	12.40	95	56735	4.81	ug/l	0.00
Spiked Amount			Recovery	=	9.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	36326	4.471	ug/l	96
3) Chloromethane	2.06	50	53644	4.981	ug/l	98
4) Vinyl Chloride	2.19	62	52600	4.999	ug/l	97
5) Bromomethane	2.57	94	32982	4.999	ug/l	96
6) Chloroethane	2.71	64	31090	5.087	ug/l	97
7) Trichlorofluoromethane	3.02	101	67526	5.090	ug/l	100
8) Diethyl Ether	3.41	74	25899	4.876	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	42891	5.141	ug/l	100
10) Methyl Iodide	3.96	142	51214	4.141	ug/l	98
11) Tert butyl alcohol	4.78	59	13805	23.222	ug/l	98
12) 1,1-Dichloroethene	3.74	96	40217	4.871	ug/l	98
13) Acrolein	3.61	56	18452	27.188	ug/l	98
14) Allyl chloride	4.33	41	65832	5.094	ug/l	96
15) Acrylonitrile	4.99	53	82979	24.469	ug/l	99
16) Acetone	3.82	43	60764	26.843	ug/l	98
17) Carbon Disulfide	4.06	76	122423	4.862	ug/l	98
18) Methyl Acetate	4.33	43	40245	5.196	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	112694	4.827	ug/l	98
20) Methylene Chloride	4.56	84	49028	5.159	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	43557	4.917	ug/l	97
22) Diisopropyl ether	5.95	45	143147	4.942	ug/l	95
23) Vinyl Acetate	5.90	43	437508	23.504	ug/l	99
24) 1,1-Dichloroethane	5.85	63	84195	5.085	ug/l	99
25) 2-Butanone	6.84	43	94425	24.819	ug/l	98
26) 2,2-Dichloropropane	6.83	77	60025	5.019	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	50955	4.982	ug/l	98
28) Bromochloromethane	7.20	49	36450	4.953	ug/l	98
29) Tetrahydrofuran	7.22	42	59833	23.595	ug/l	98
30) Chloroform	7.37	83	83277	5.133	ug/l	99
31) Cyclohexane	7.66	56	88662	5.678	ug/l #	81
32) 1,1,1-Trichloroethane	7.57	97	66842	4.930	ug/l	98
36) 1,1-Dichloropropene	7.79	75	62387	4.849	ug/l	99
37) Ethyl Acetate	6.93	43	41998	4.907	ug/l	98
38) Carbon Tetrachloride	7.78	117	58023	4.824	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010519\
 Data File : VN053286.D
 Acq On : 4 Jan 2019 17:42
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 10:24:01 AM

Quant Time: Jan 07 09:32:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:27:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	72370	4.815	ug/l	98
40) Benzene	8.04	78	196558	4.971	ug/l	100
41) Methacrylonitrile	7.19	41	25566m	5.241	ug/l	
42) 1,2-Dichloroethane	8.12	62	58684	5.051	ug/l	100
43) Isopropyl Acetate	8.17	43	82513	5.337	ug/l #	85
44) Trichloroethene	8.84	130	52753	4.893	ug/l	97
45) 1,2-Dichloropropane	9.12	63	50968	4.915	ug/l	99
46) Dibromomethane	9.21	93	29927	4.895	ug/l	99
47) Bromodichloromethane	9.40	83	60539	4.802	ug/l	99
48) Methyl methacrylate	9.20	41	35323	4.562	ug/l	97
49) 1,4-Dioxane	9.20	88	8511	94.921	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	200036	23.269	ug/l	100
52) Toluene	10.16	92	116334	4.708	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	59053	4.450	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	69825	4.561	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	44220	4.985	ug/l	98
56) Ethyl methacrylate	10.43	69	53059	4.359	ug/l	99
57) 1,3-Dichloropropane	10.71	76	73971	4.934	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	149401	22.974	ug/l	99
59) 2-Hexanone	10.75	43	137587	23.102	ug/l	99
60) Dibromochloromethane	10.90	129	45365	4.575	ug/l	98
61) 1,2-Dibromoethane	11.01	107	41713	4.644	ug/l	97
64) Tetrachloroethene	10.63	164	57282	4.920	ug/l	98
65) Chlorobenzene	11.43	112	130065	4.884	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	44757	4.765	ug/l	99
67) Ethyl Benzene	11.51	91	216841	4.708	ug/l	100
68) m/p-Xylenes	11.62	106	163155	9.293	ug/l	99
69) o-Xylene	11.95	106	79562	4.677	ug/l	100
70) Styrene	11.96	104	126247	4.479	ug/l	98
71) Bromoform	12.13	173	31386	4.625	ug/l #	99
73) Isopropylbenzene	12.25	105	206191	4.828	ug/l	100
74) N-amyl acetate	12.07	43	59909	4.594	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	48687	5.150	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	40831m	5.101	ug/l	
77) Bromobenzene	12.53	156	56212	5.033	ug/l	99
78) n-propylbenzene	12.59	91	228876	4.700	ug/l	99
79) 2-Chlorotoluene	12.68	91	144155	5.011	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	165476	4.812	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	12537	4.202	ug/l	90
82) 4-Chlorotoluene	12.77	91	147466	5.002	ug/l	99
83) tert-Butylbenzene	12.99	119	145920	4.919	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	169068	4.824	ug/l	99
85) sec-Butylbenzene	13.17	105	192628	4.863	ug/l	99
86) p-Isopropyltoluene	13.29	119	164631	4.734	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	96813	4.956	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	97453	5.052	ug/l	96
89) n-Butylbenzene	13.62	91	129361	4.493	ug/l	99
90) Hexachloroethane	13.88	117	24477	4.418	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	90374	4.876	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5526	4.470	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010519\
Data File : VN053286.D
Acq On : 4 Jan 2019 17:42
Operator : MD\SY
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

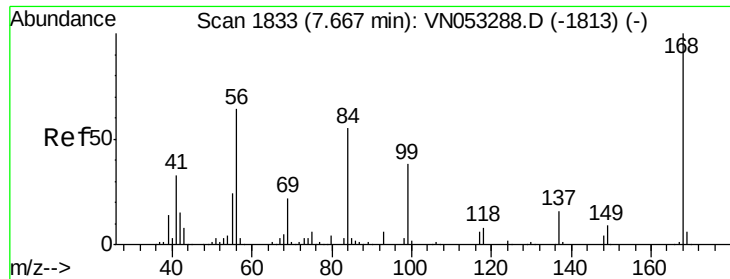
Manual Integrations
APPROVED

MMDadoda
1/8/2019 10:24:01 AM

Quant Time: Jan 07 09:32:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 07 09:27:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	25092	4.086	ug/l	99
94) Hexachlorobutadiene	15.01	225	23795	4.887	ug/l	97
95) Naphthalene	15.13	128	39760	3.730	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	15669	3.966	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 894912

Ion Ratio Lower Upper

168 100

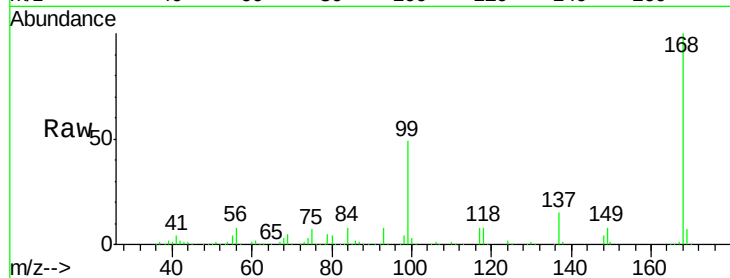
99 49.3 39.1 58.7

Manual Integrations

APPROVED

MMDadoda

1/8/2019 10:24:01 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

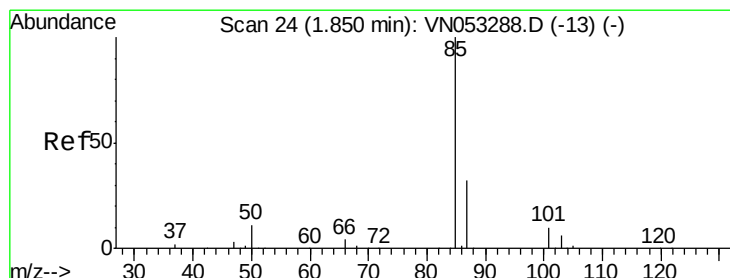
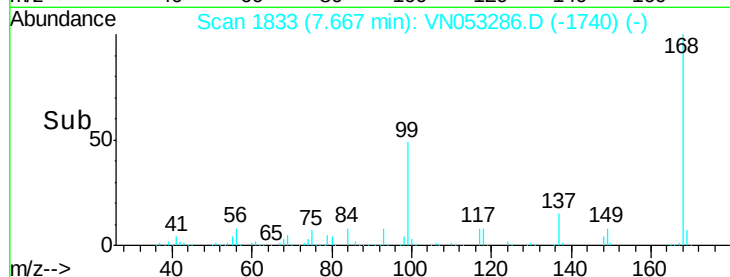
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.471 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053286.D

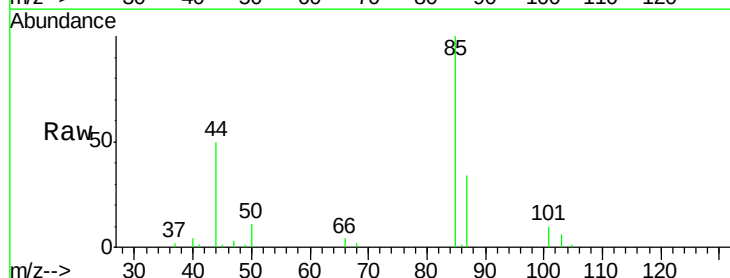
Acq: 4 Jan 2019 17:42

Tgt Ion: 85 Resp: 36326

Ion Ratio Lower Upper

85 100

87 34.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

30000

25000

20000

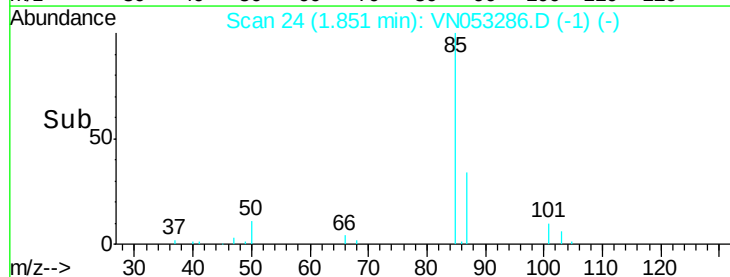
15000

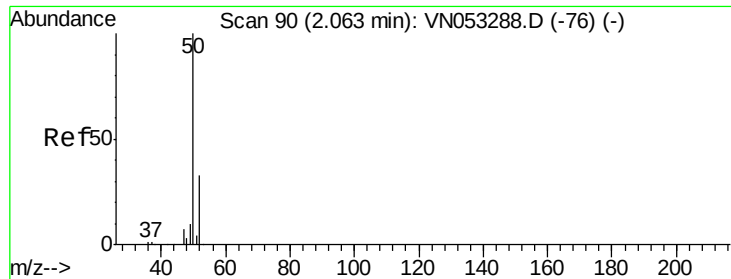
10000

5000

0

Time-->





#3

Chloromethane

Concen: 4.981 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 53644

Ion Ratio Lower Upper

50 100

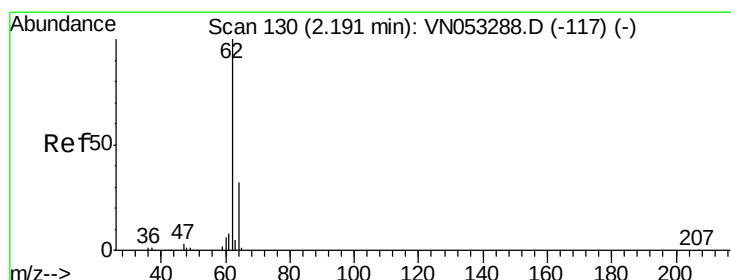
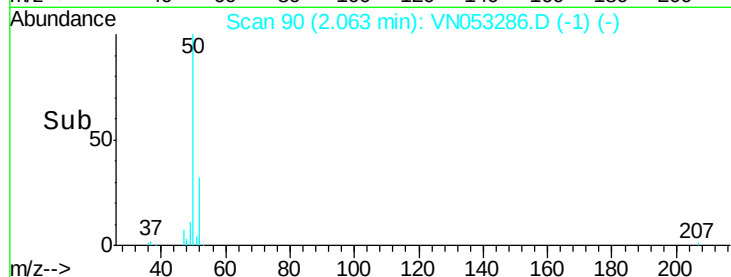
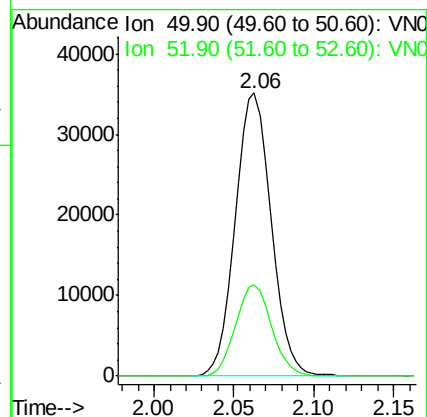
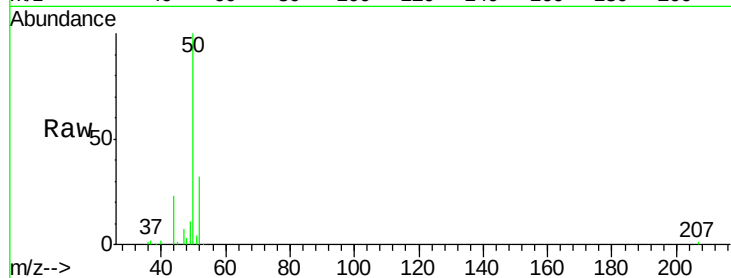
52 32.4 26.6 40.0

Manual Integrations

APPROVED

MMDadoda

1/8/2019 10:24:01 AM



#4

Vinyl Chloride

Concen: 4.999 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053286.D

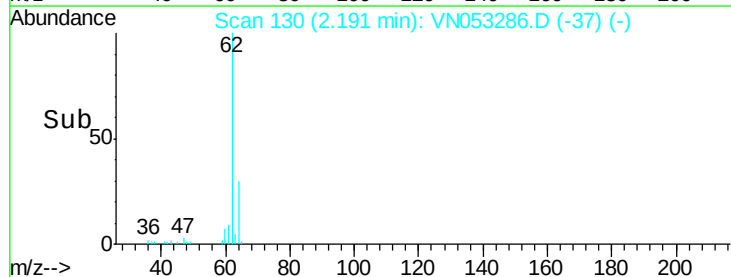
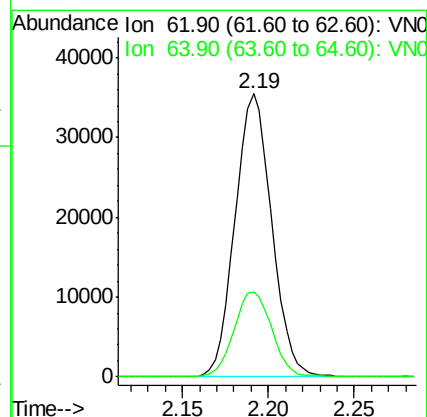
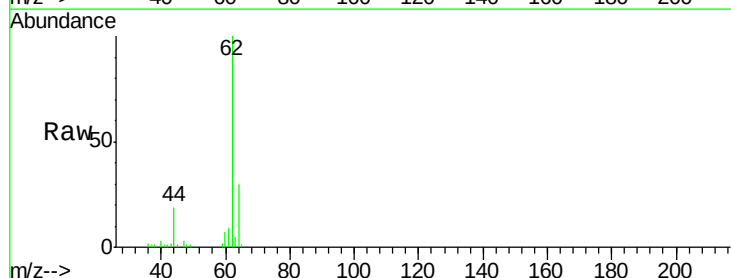
Acq: 4 Jan 2019 17:42

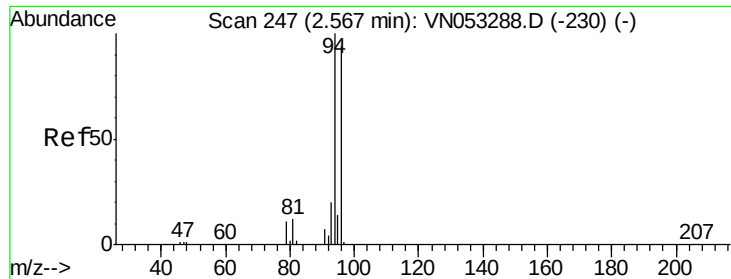
Tgt Ion: 62 Resp: 52600

Ion Ratio Lower Upper

62 100

64 30.2 25.6 38.4





#5

Bromomethane

Concen: 4.999 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 32982

Ion Ratio Lower Upper

94 100

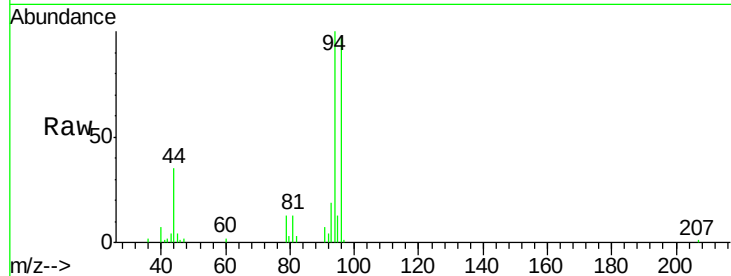
96 97.1 74.9 112.3

Manual Integrations

APPROVED

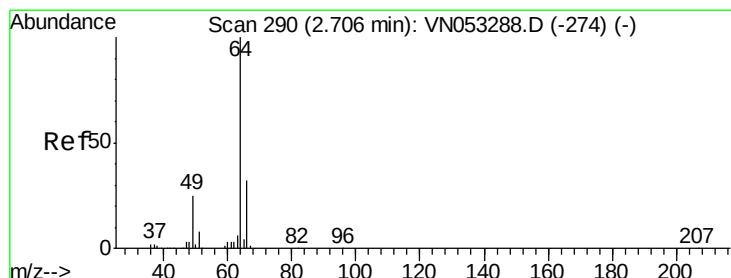
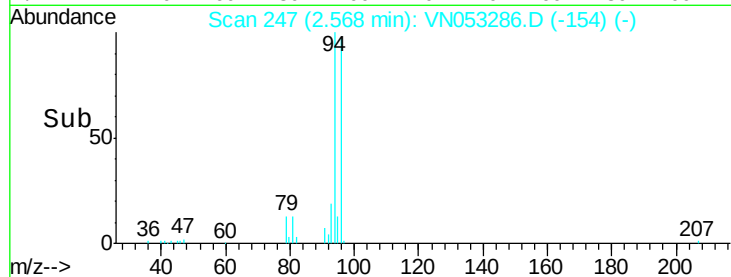
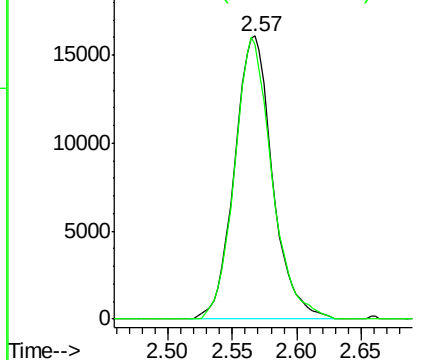
MMDadoda

1/8/2019 10:24:01 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.087 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053286.D

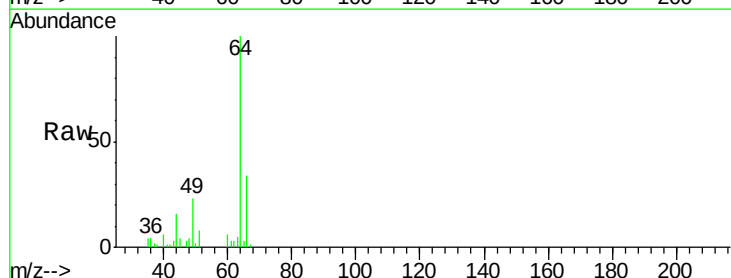
Acq: 4 Jan 2019 17:42

Tgt Ion: 64 Resp: 31090

Ion Ratio Lower Upper

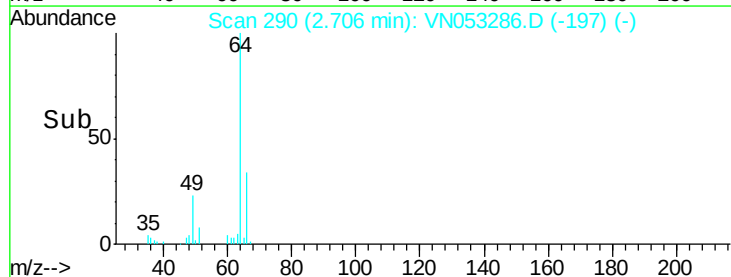
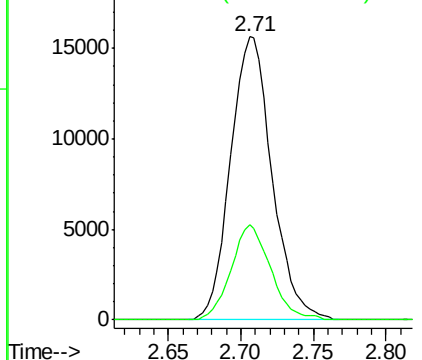
64 100

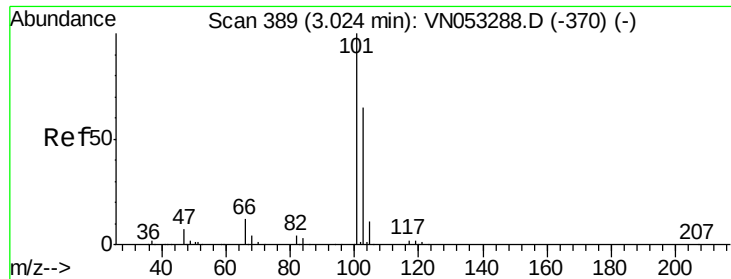
66 33.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

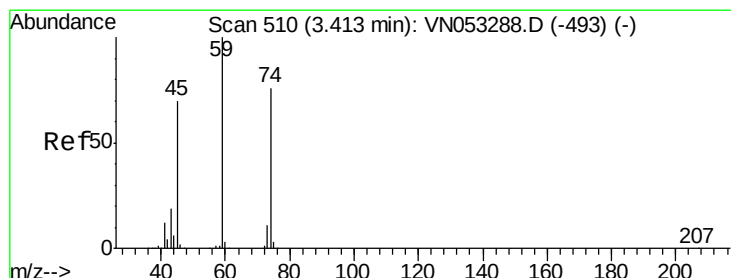
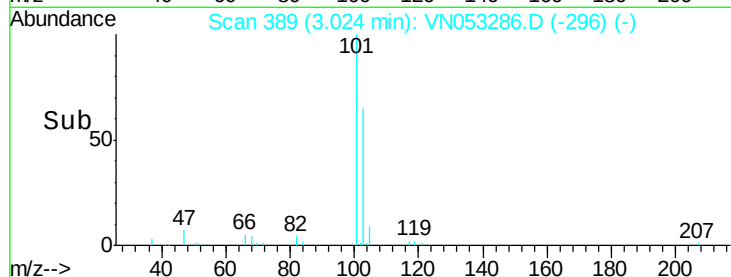
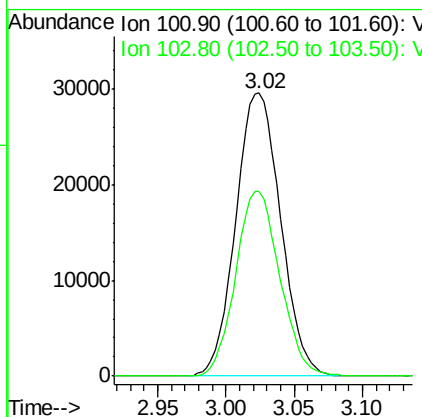
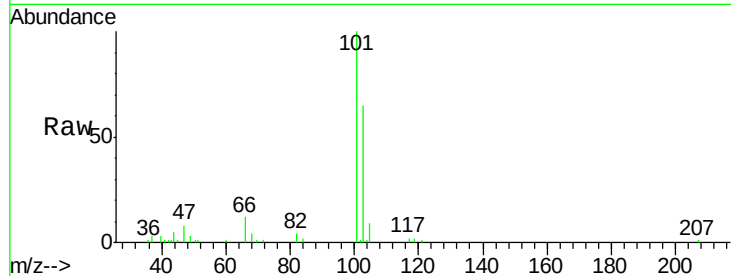
Trichlorofluoromethane
Concen: 5.090 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.1	78.1

Manual Integrations
APPROVED

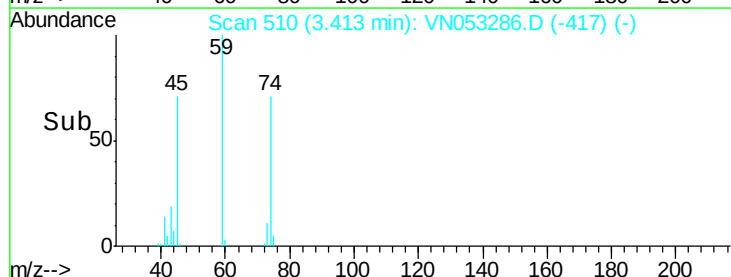
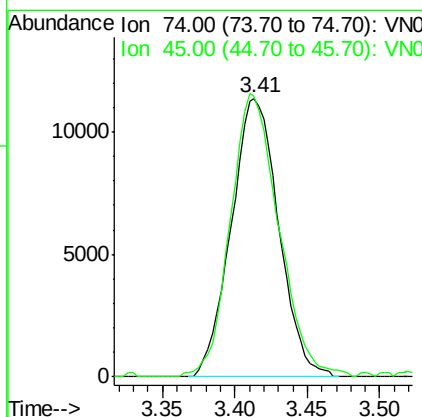
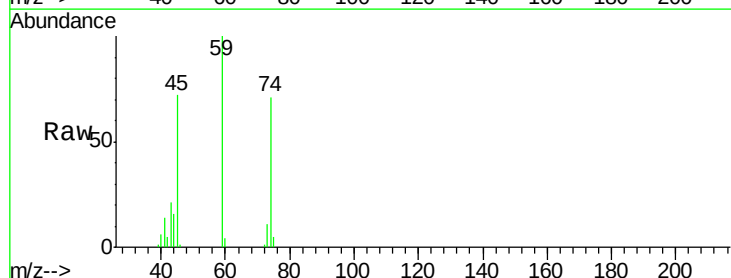
MMDadoda
1/8/2019 10:24:01 AM

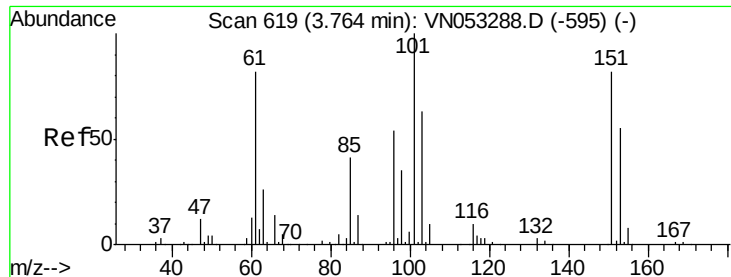


#8

Diethyl Ether
Concen: 4.876 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.7	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.141 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Instrument :

MSVOA_N

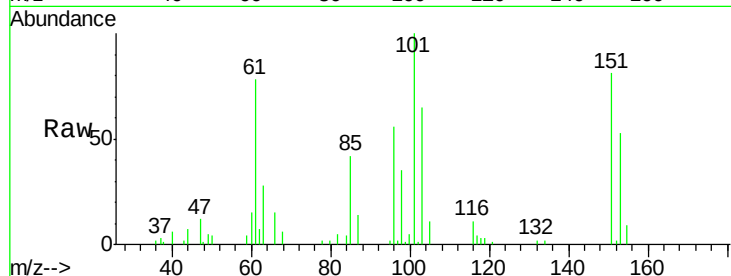
ClientSampled :

VSTDIC005

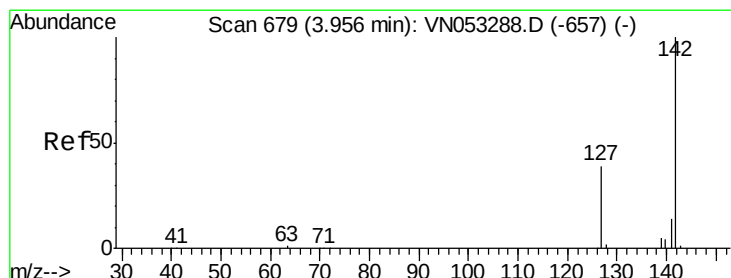
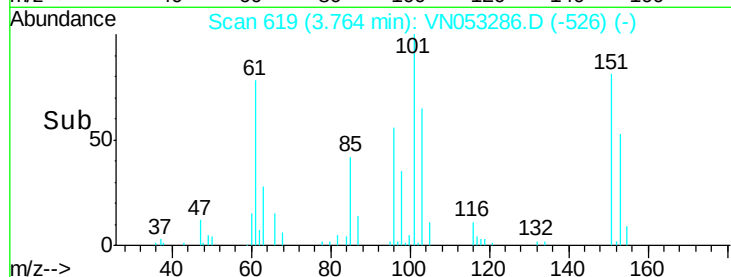
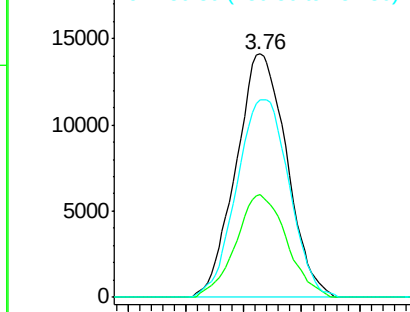
Tot Ion:	101	Resp:	42891
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.3	49.9
151	83.9	67.0	100.4

Manual Integrations
APPROVED

MMDadoda
1/8/2019 10:24:01 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.141 ug/l

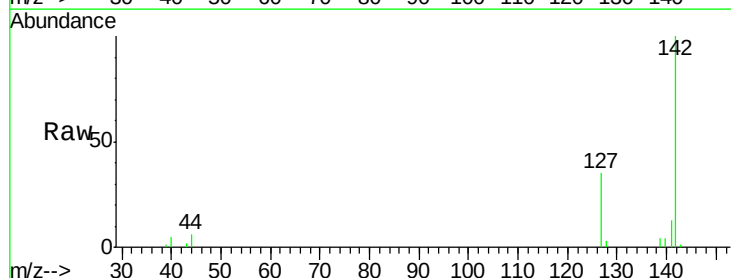
RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

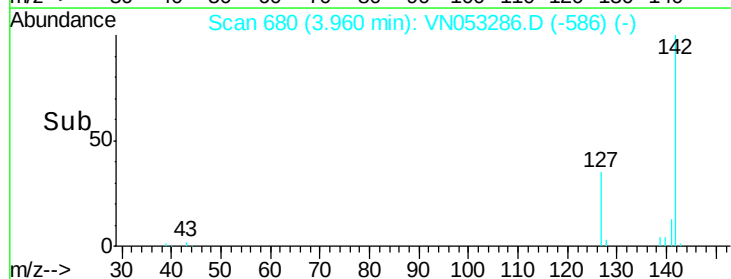
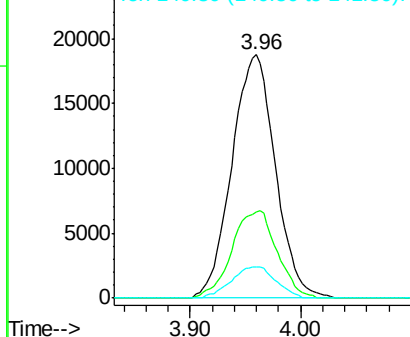
Lab File: VN053286.D

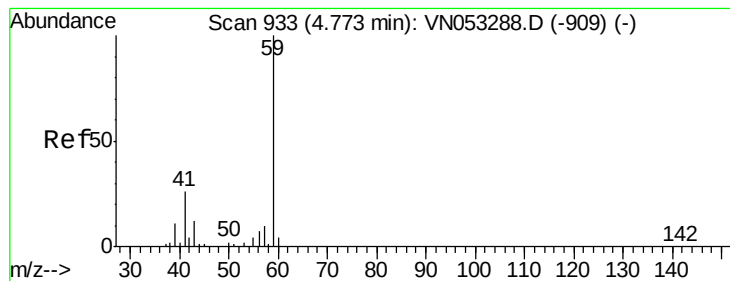
Acq: 4 Jan 2019 17:42

Tgt Ion:	142	Resp:	51214
Ion Ratio	Lower	Upper	
142	100		
127	37.3	30.9	46.3
141	13.2	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

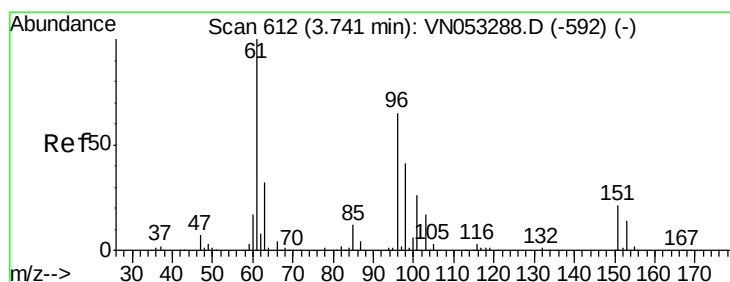
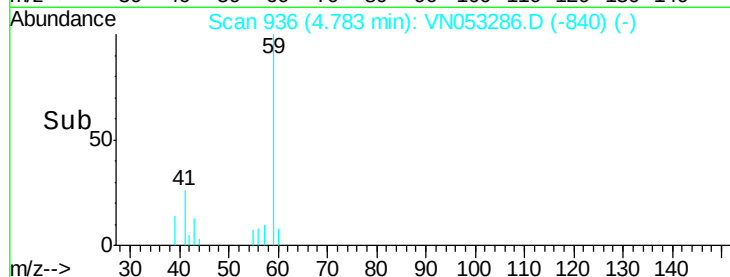
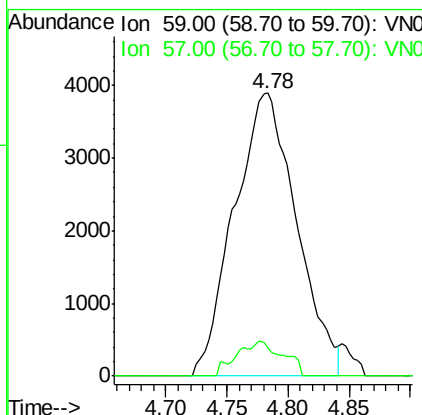
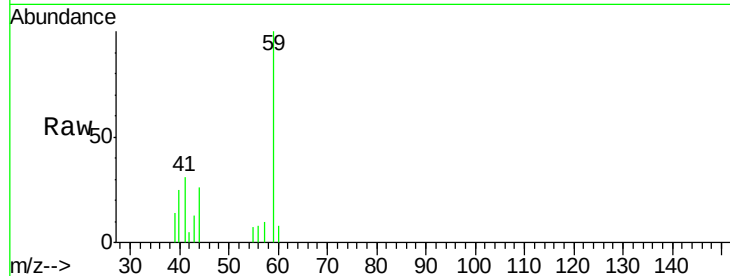
Tert butyl alcohol
Concen: 23.222 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	59	Resp	13805
Ion Ratio	100	Lower	Upper
57	9.1	8.0	12.0

Manual Integrations
APPROVED

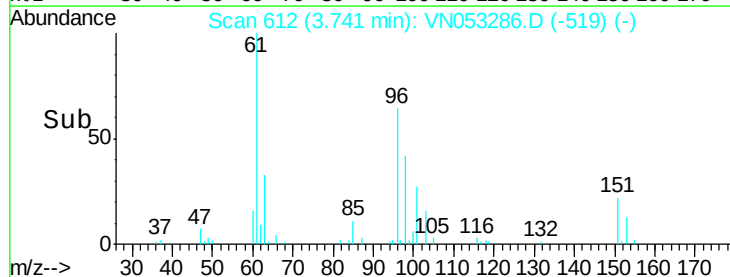
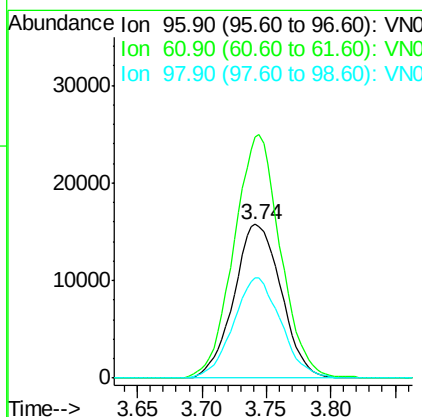
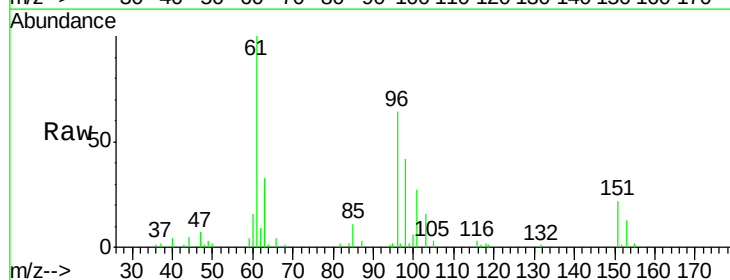
MMDadoda
1/8/2019 10:24:01 AM

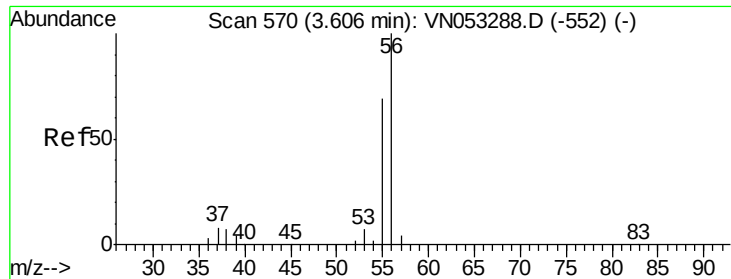


#12

1,1-Dichloroethene
Concen: 4.871 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Tgt Ion	96	Resp	40217
Ion Ratio	100	Lower	Upper
61	155.8	123.2	184.8
98	65.3	50.5	75.7





#13

Acrolein

Concen: 27.188 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 18452

Ion Ratio Lower Upper

56 100

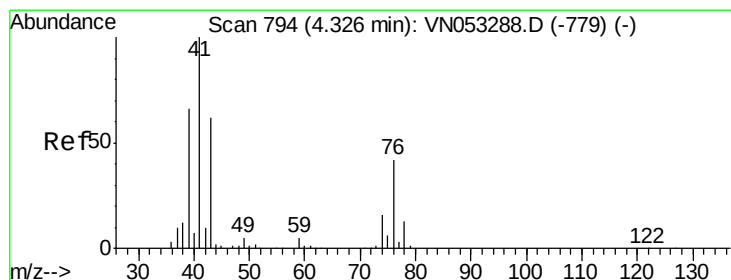
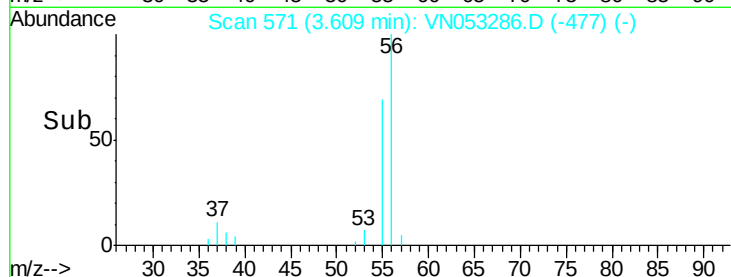
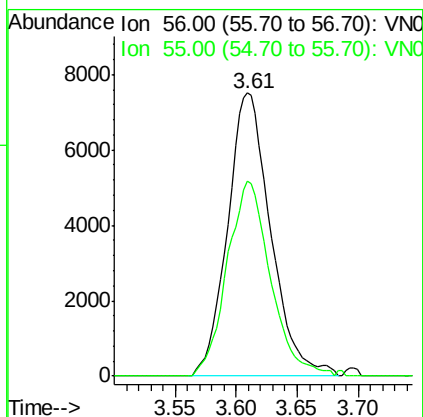
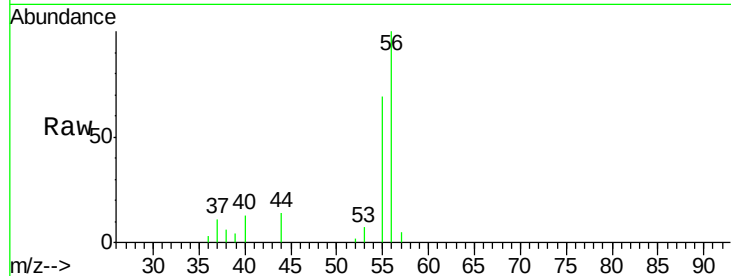
55 69.2 56.3 84.5

Manual Integrations

APPROVED

MMDadoda

1/8/2019 10:24:01 AM



#14

Allyl chloride

Concen: 5.094 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

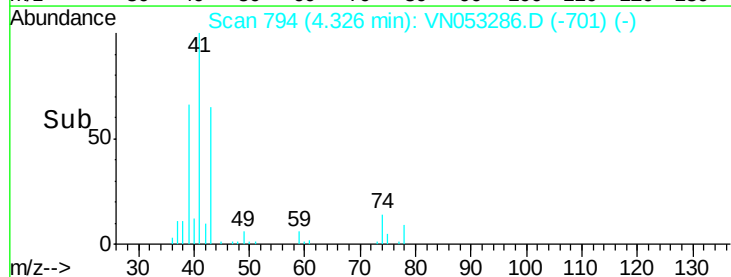
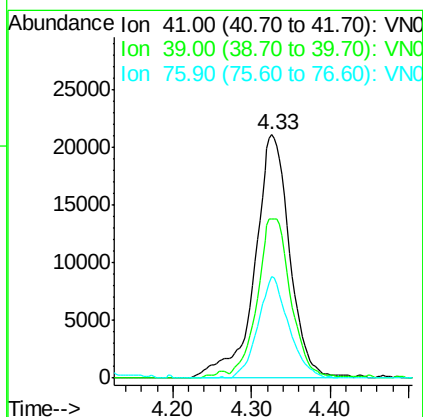
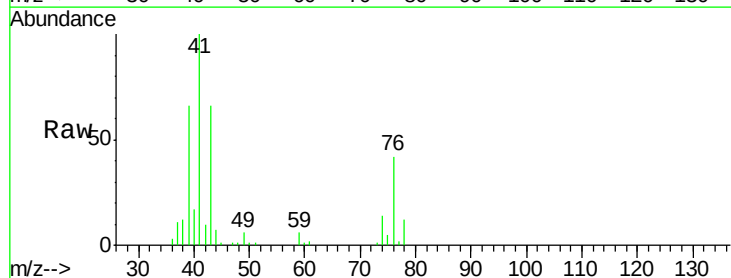
Tgt Ion: 41 Resp: 65832

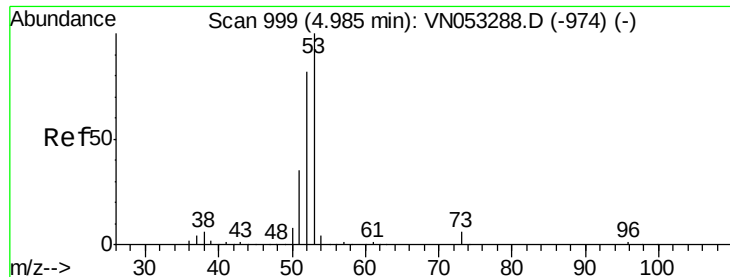
Ion Ratio Lower Upper

41 100

39 61.7 51.9 77.9

76 36.7 31.2 46.8





#15

Acrylonitrile

Concen: 24.469 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Instrument :

MSVOA_N

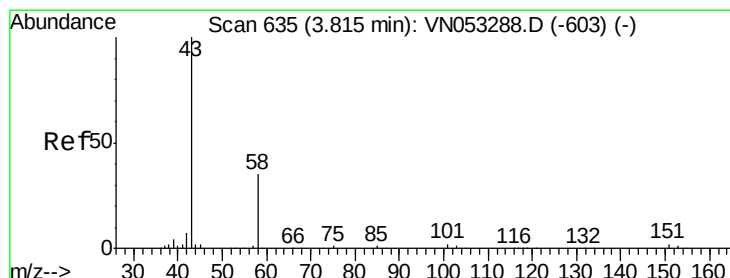
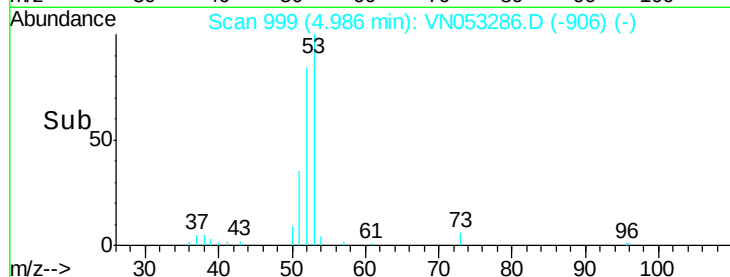
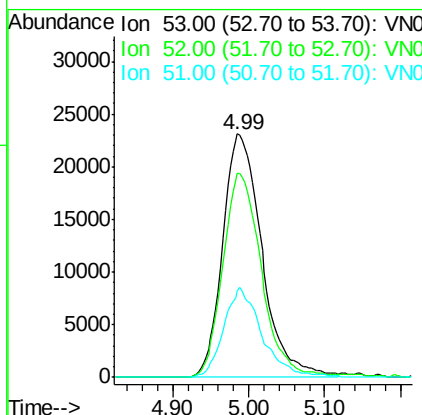
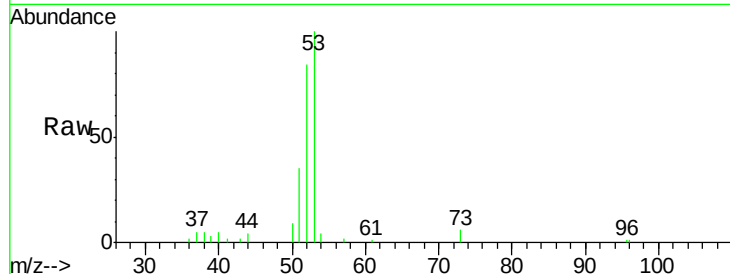
ClientSampled :

VSTDIC005

Tot Ion:	53	Resp:	82979
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.2	97.8
51	35.8	28.0	42.0

Manual Integrations
APPROVED

MMDadoda
1/8/2019 10:24:01 AM



#16

Acetone

Concen: 26.843 ug/l

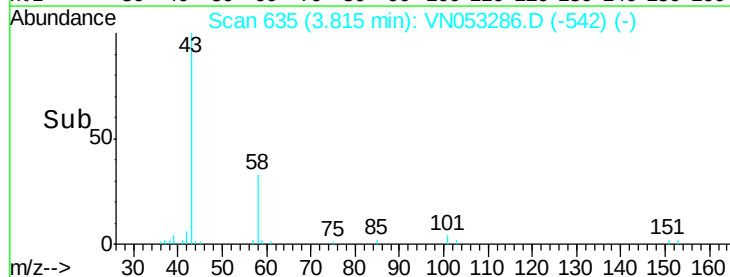
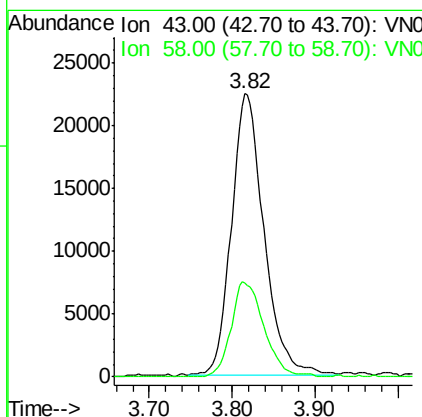
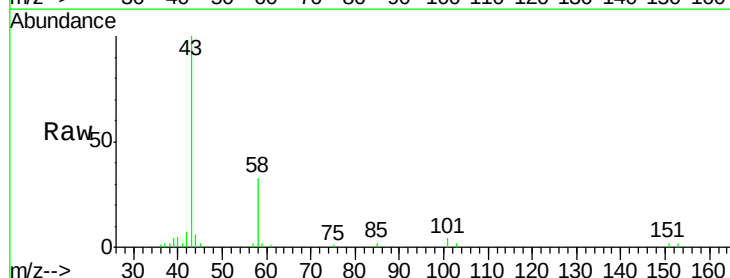
RT: 3.82 min Scan# 635

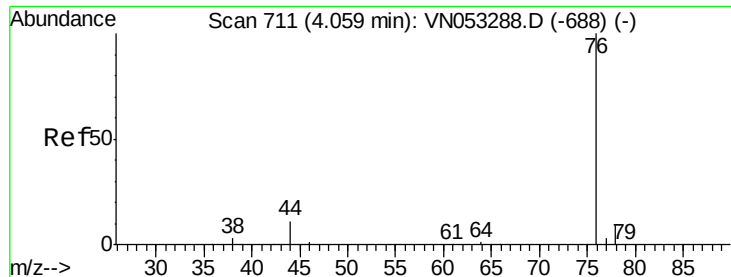
Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Tgt Ion:	43	Resp:	60764
Ion	Ratio	Lower	Upper
43	100		
58	33.3	27.8	41.6





#17

Carbon Disulfide

Concen: 4.862 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Tot Ion: 76 Resp: 122423

Ion Ratio Lower Upper

76 100

78 9.6 7.2 10.8

Instrument :

MSVOA_N

ClientSampled :

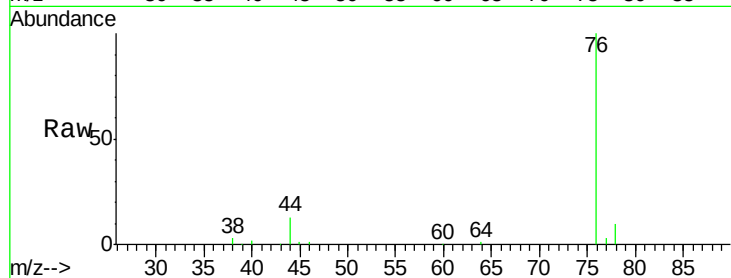
VSTDIC005

Manual Integrations

APPROVED

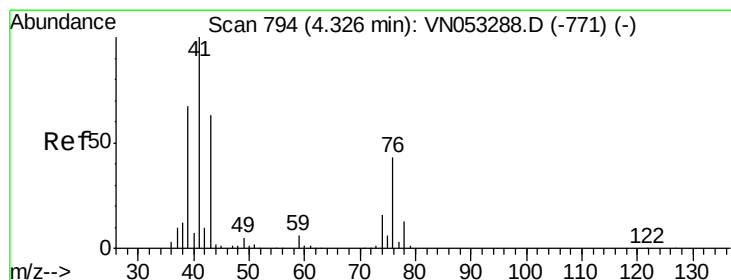
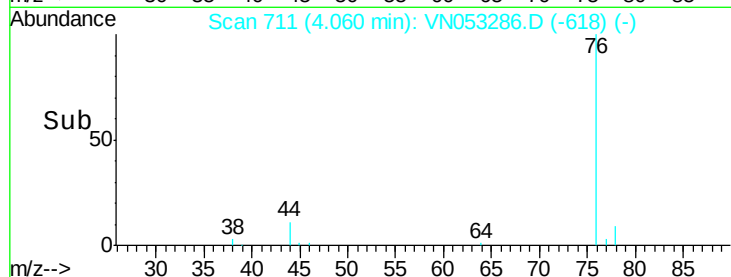
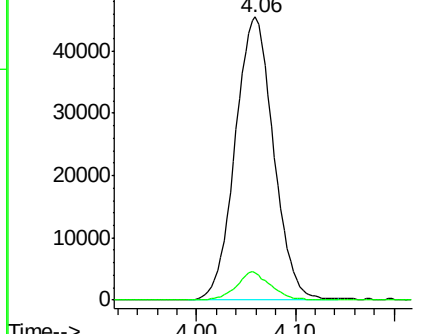
MMDadoda

1/8/2019 10:24:01 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 5.196 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053286.D

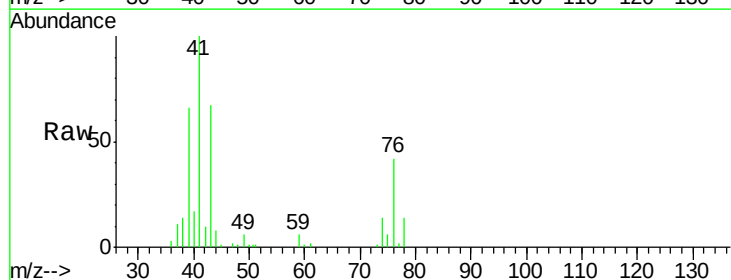
Acq: 4 Jan 2019 17:42

Tgt Ion: 43 Resp: 40245

Ion Ratio Lower Upper

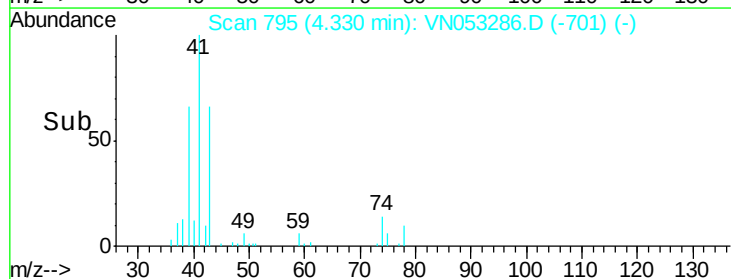
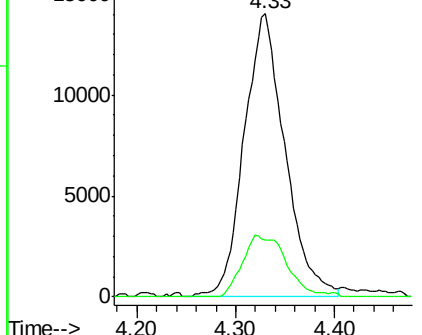
43 100

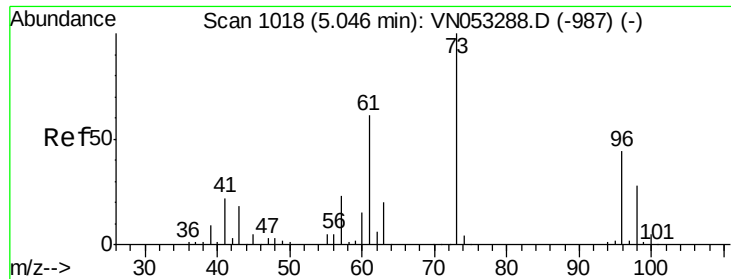
74 23.4 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





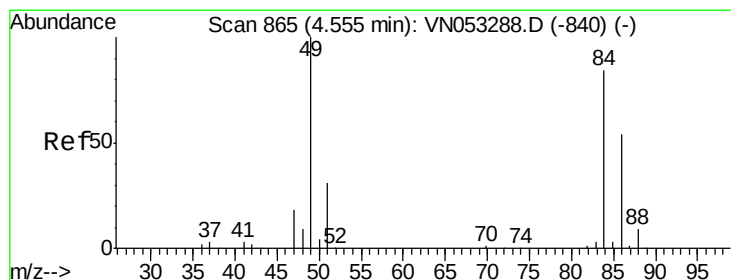
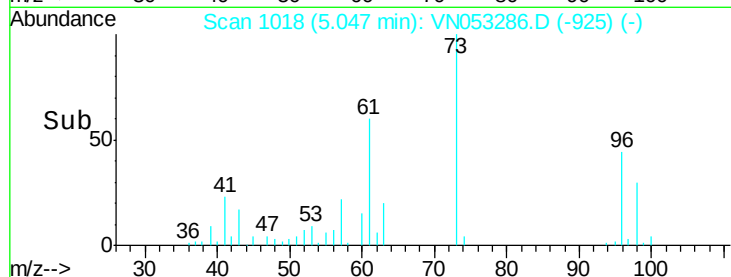
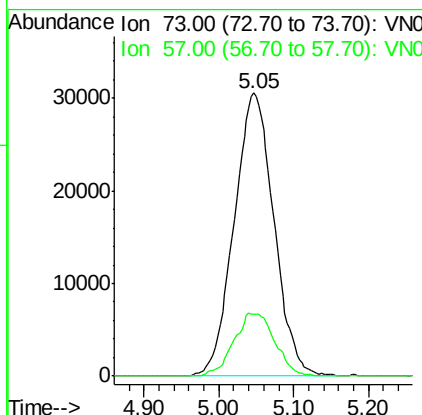
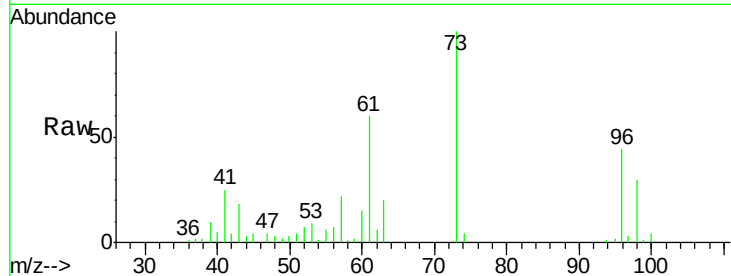
#19
Methyl tert-butyl Ether
Concen: 4.827 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 112694
Ion Ratio Lower Upper
73 100
57 22.0 18.5 27.7

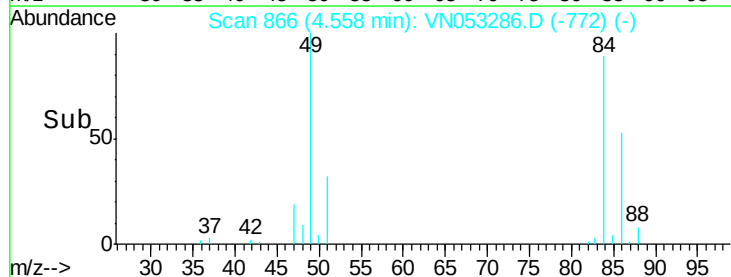
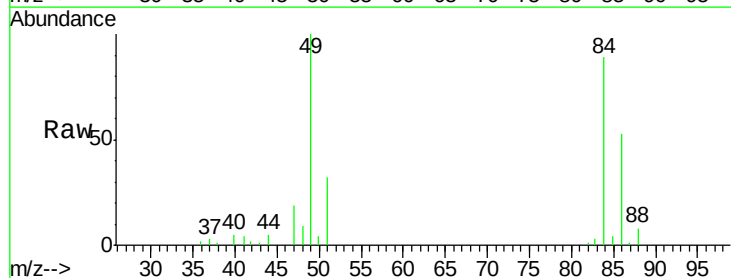
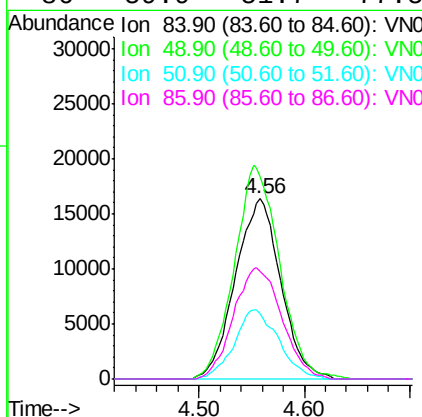
Manual Integrations
APPROVED

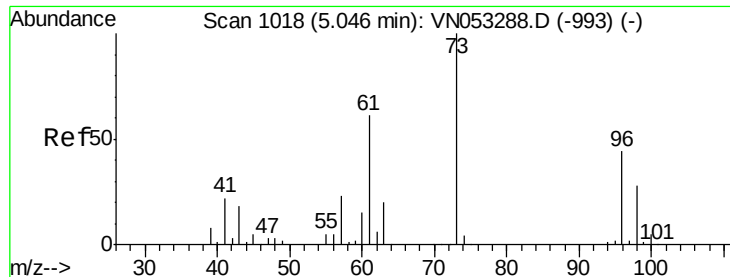
MMDadoda
1/8/2019 10:24:01 AM



#20
Methylene Chloride
Concen: 5.159 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Tgt Ion: 84 Resp: 49028
Ion Ratio Lower Upper
84 100
49 112.0 95.3 142.9
51 36.2 29.0 43.6
86 59.9 51.7 77.5





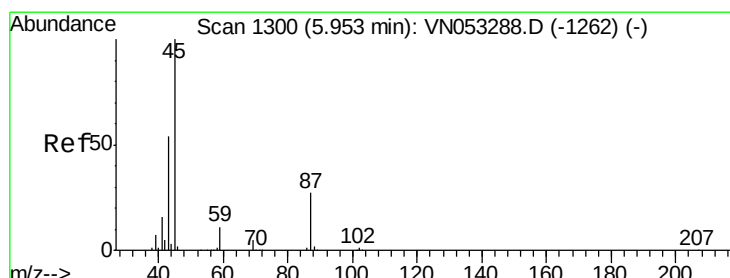
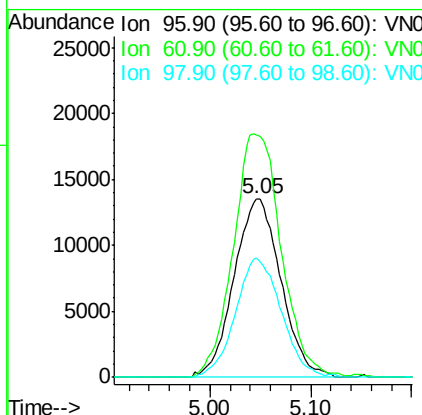
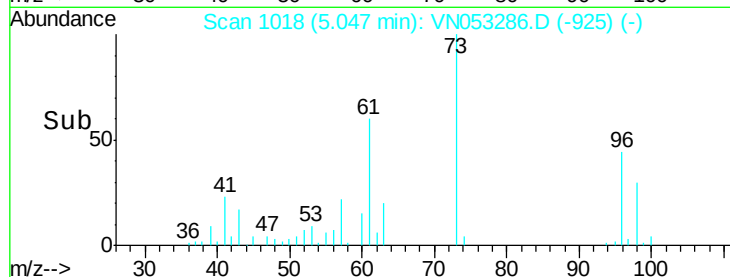
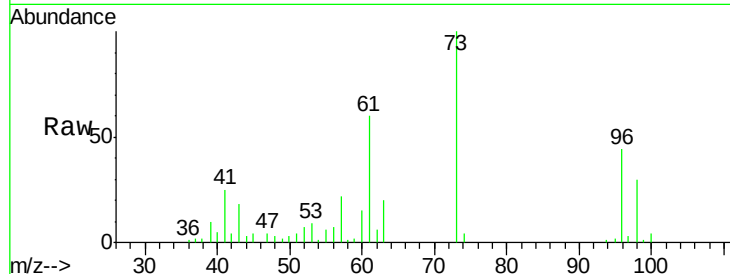
#21
trans-1,2-Dichloroethene
Concen: 4.917 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.7	110.2	165.4
98	67.1	50.7	76.1

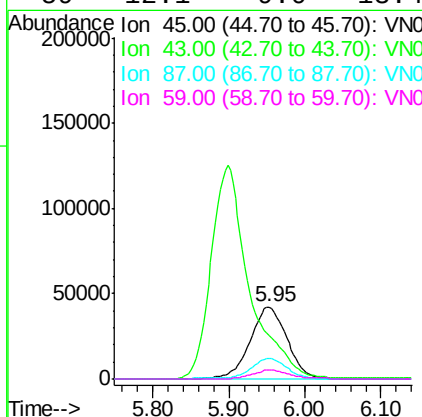
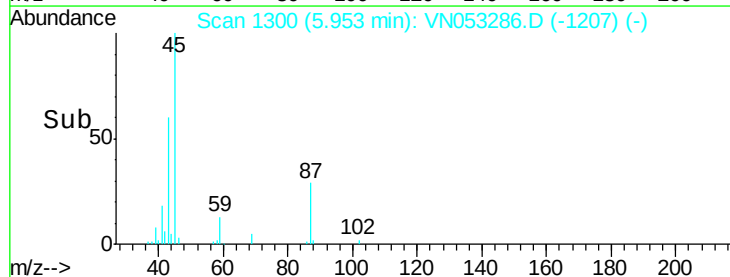
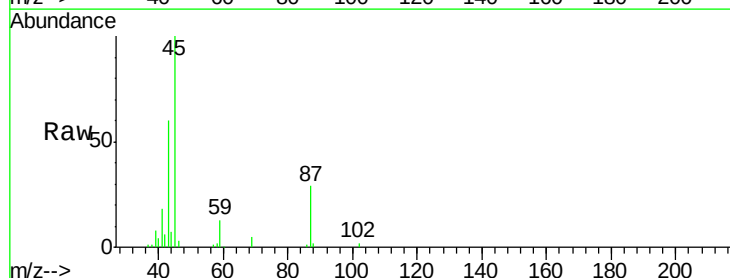
Manual Integrations
APPROVED

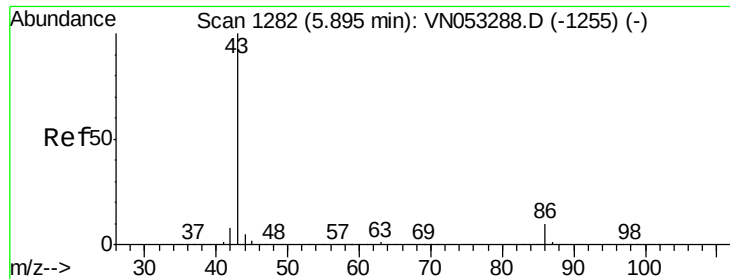
MMDadoda
1/8/2019 10:24:01 AM



#22
Diisopropyl ether
Concen: 4.942 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.1	43.0	64.6
87	29.3	22.1	33.1
59	12.1	9.0	13.4





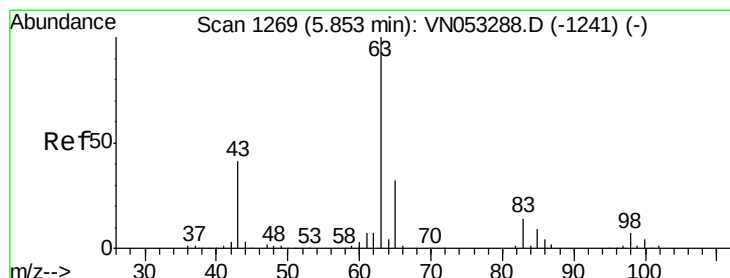
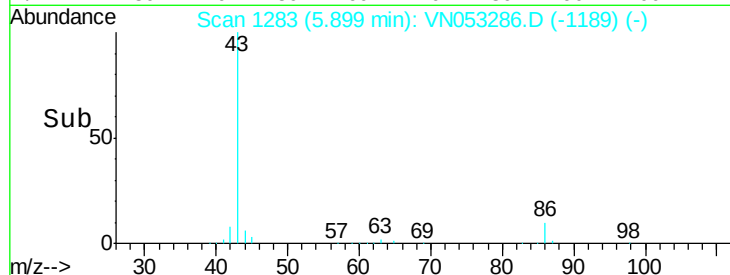
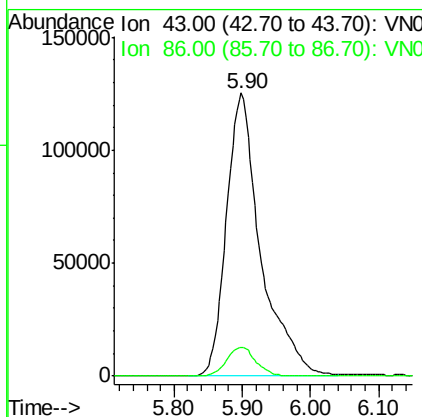
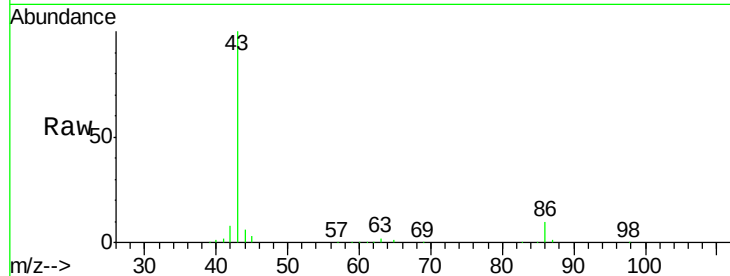
#23
 Vinyl Acetate
 Concen: 23.504 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN053286.D
 Acq: 4 Jan 2019 17:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	43	Resp	437508
Ion Ratio	100	Lower	Upper
43	100		
86	10.2	8.4	12.6

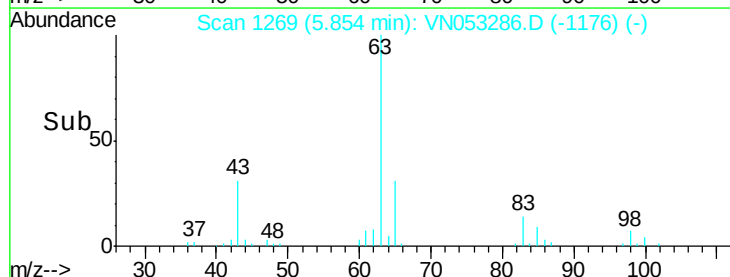
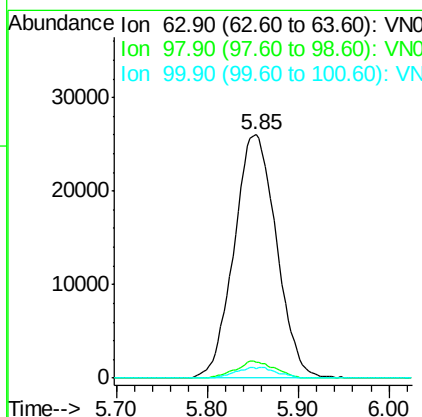
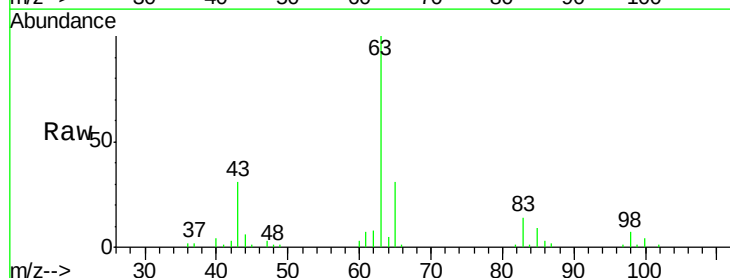
Manual Integrations
 APPROVED

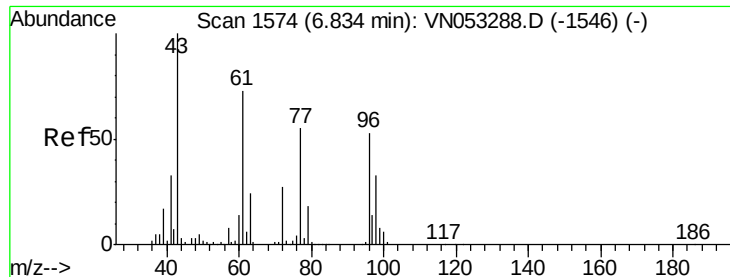
MMDadoda
 1/8/2019 10:24:01 AM



#24
 1,1-Dichloroethane
 Concen: 5.085 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053286.D
 Acq: 4 Jan 2019 17:42

Tgt Ion	63	Resp	84195
Ion Ratio	100	Lower	Upper
63	100		
98	6.7	3.3	9.8
100	4.0	2.1	6.5





#25

2-Butanone

Concen: 24.819 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 94425

Ion Ratio Lower Upper

43 100

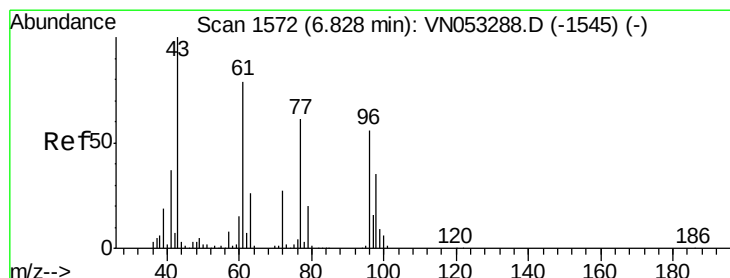
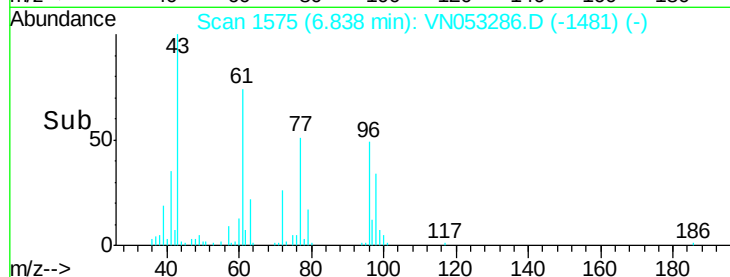
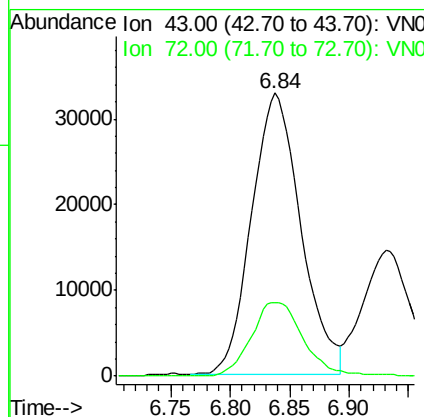
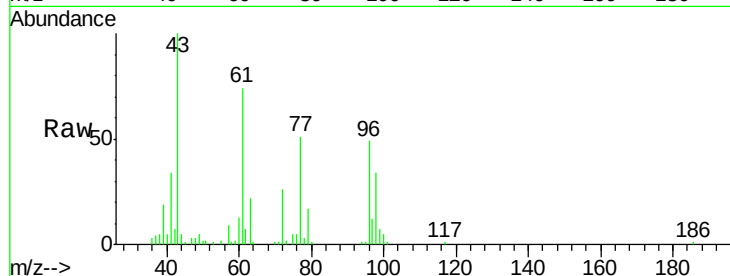
72 26.3 22.0 33.0

Manual Integrations

APPROVED

MMDadoda

1/8/2019 10:24:01 AM



#26

2,2-Dichloropropane

Concen: 5.019 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053286.D

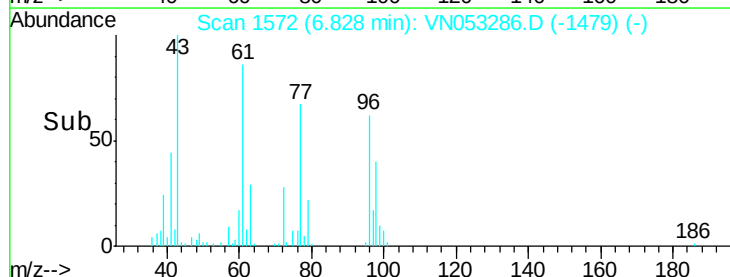
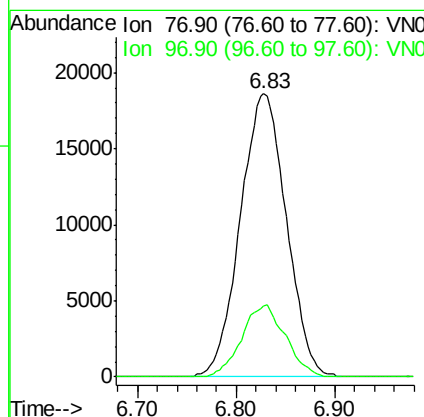
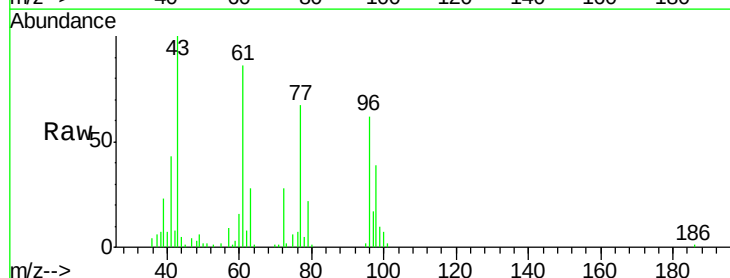
Acq: 4 Jan 2019 17:42

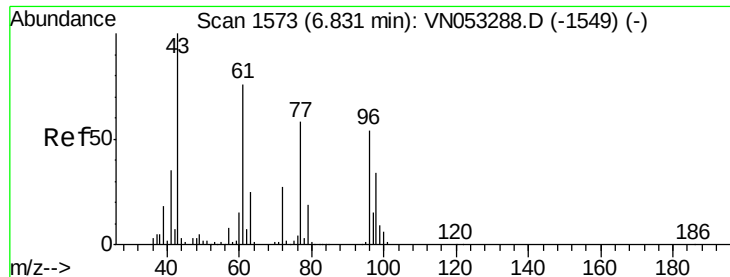
Tgt Ion: 77 Resp: 60025

Ion Ratio Lower Upper

77 100

97 24.1 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 4.982 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Instrument :

MSVOA_N

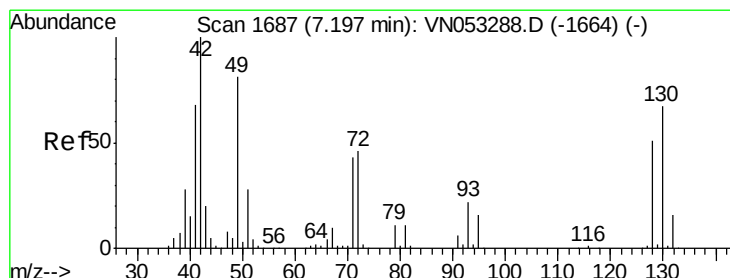
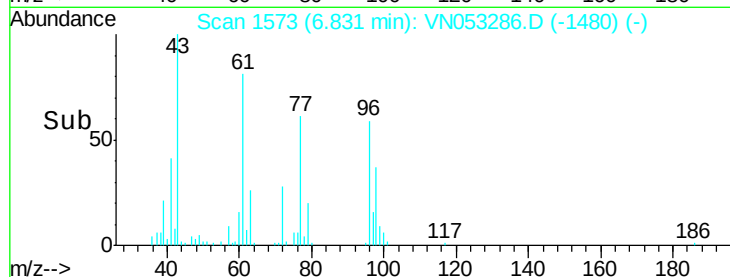
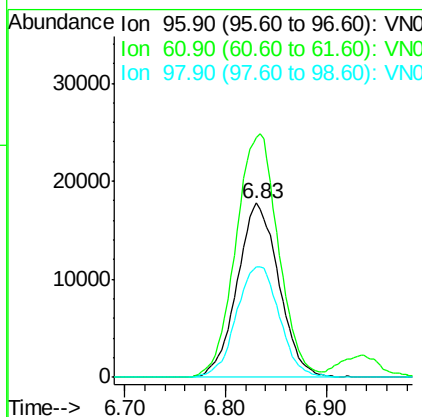
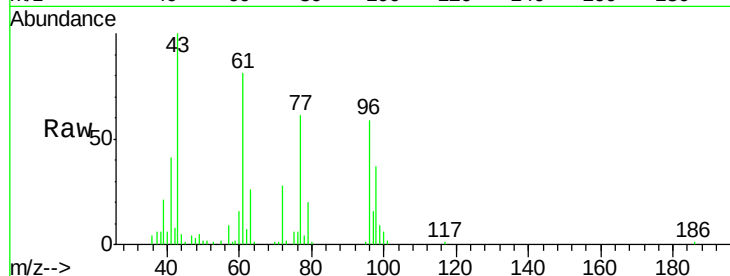
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	50955
Ion	Ratio	Lower	Upper
96	100		
61	143.2	0.0	280.6
98	65.5	0.0	127.6

Manual Integrations
APPROVED

MMDadoda
1/8/2019 10:24:01 AM



#28

Bromochloromethane

Concen: 4.953 ug/l

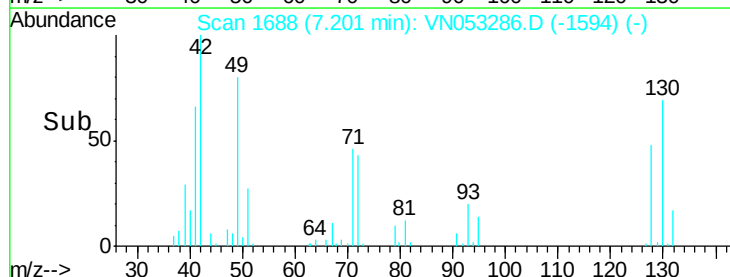
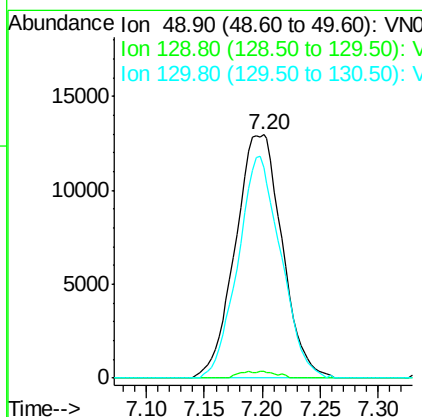
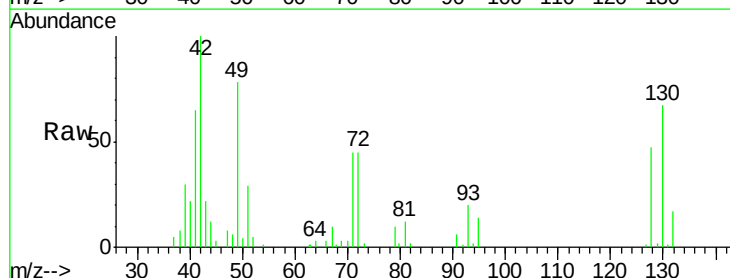
RT: 7.20 min Scan# 1688

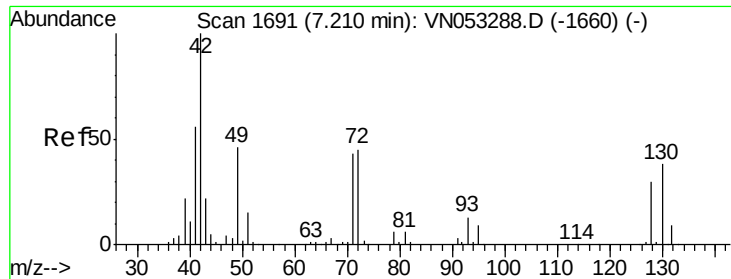
Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Tgt Ion:	49	Resp:	36450
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.8
130	83.4	65.4	98.0





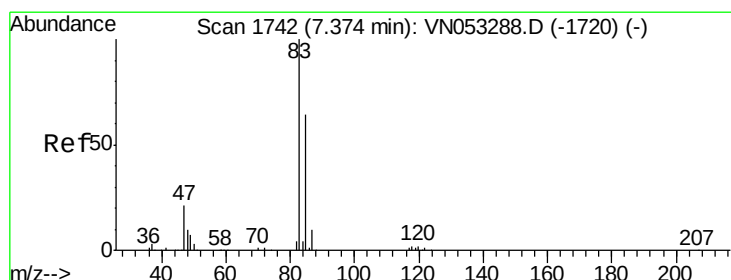
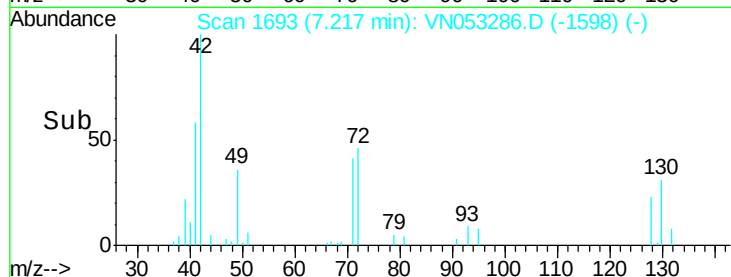
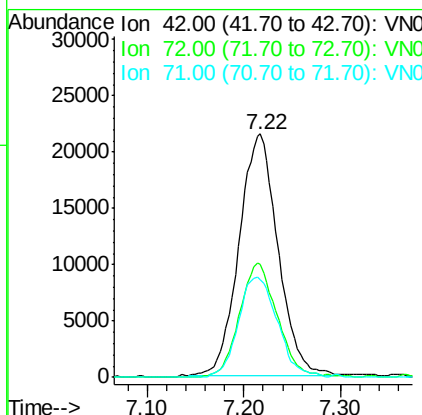
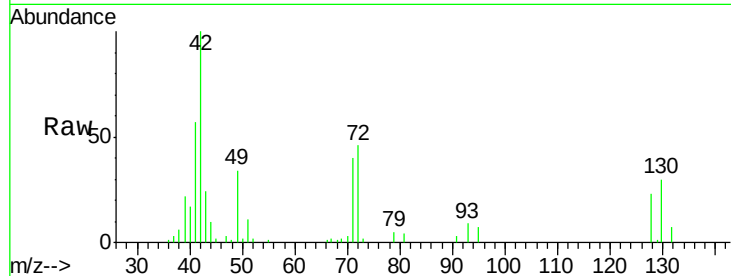
#29
Tetrahydrofuran
Concen: 23.595 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	35.6	53.4
71	41.9	33.8	50.8

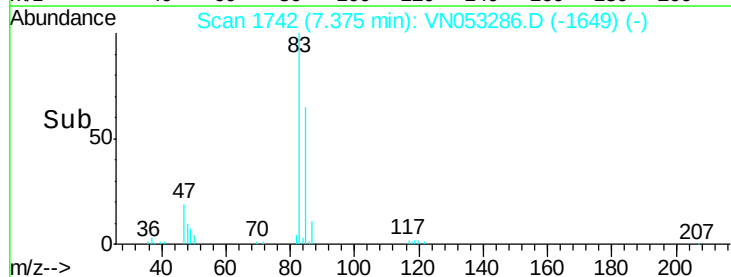
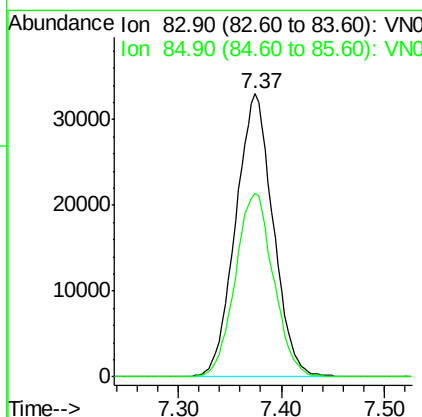
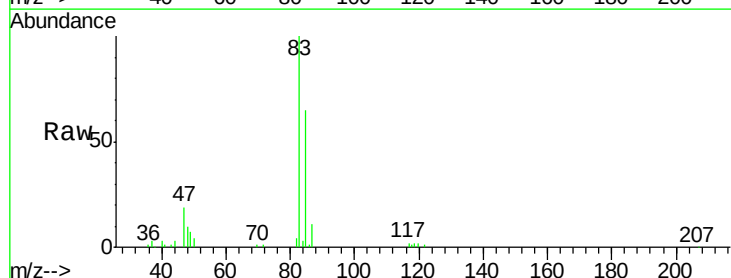
Manual Integrations
APPROVED

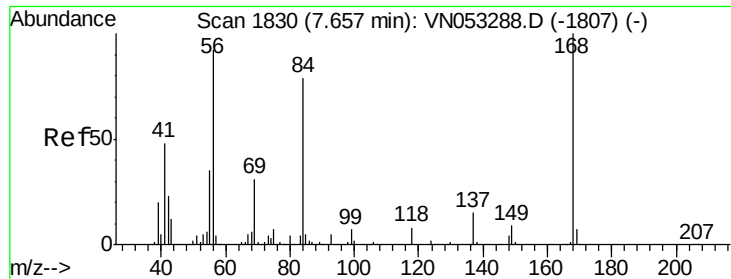
MMDadoda
1/8/2019 10:24:01 AM



#30
Chloroform
Concen: 5.133 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.3	76.9





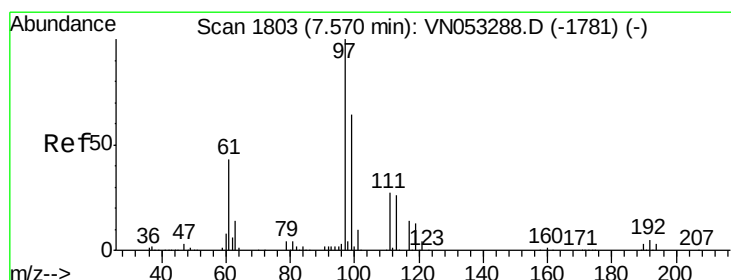
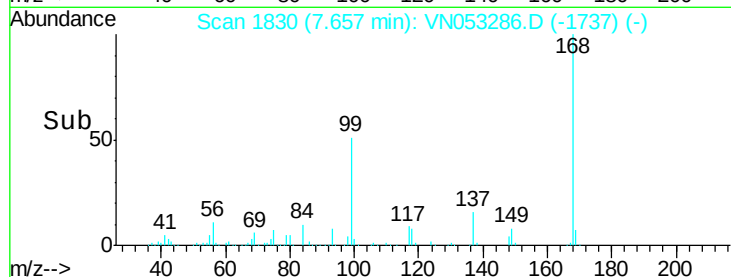
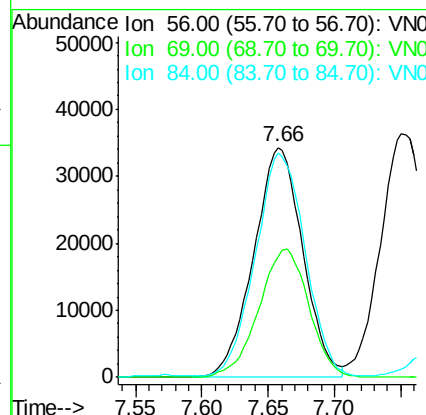
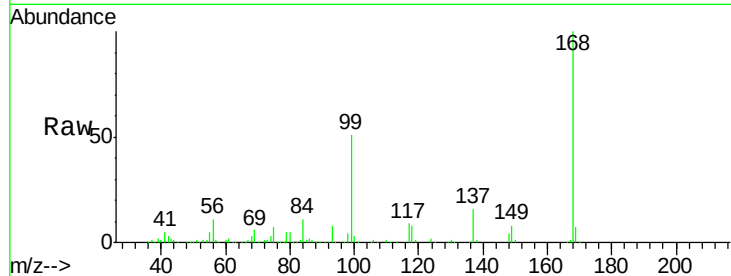
#31
Cyclohexane
Concen: 5.678 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	52.7	26.7	40.1#
84	97.0	68.2	102.4

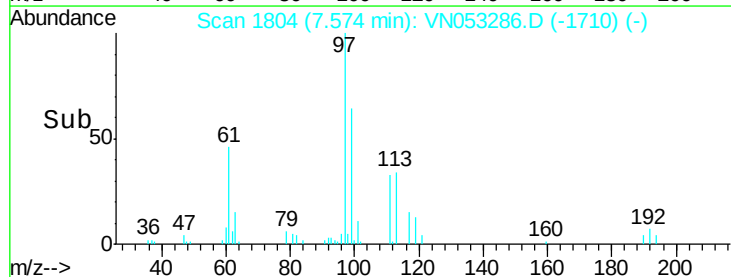
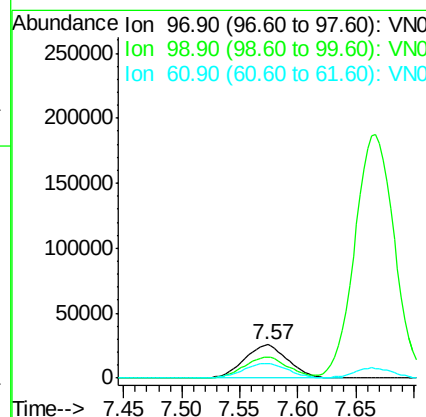
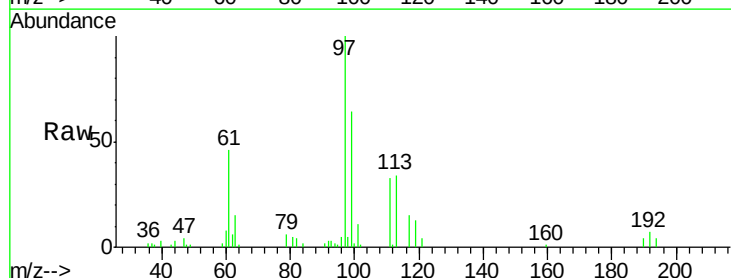
Manual Integrations
APPROVED

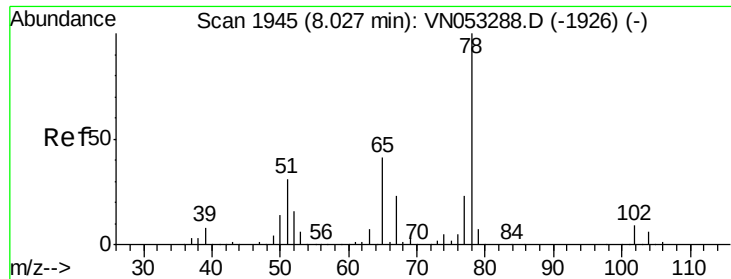
MMDadoda
1/8/2019 10:24:01 AM



#32
1,1,1-Trichloroethane
Concen: 4.930 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	46.0	34.6	52.0





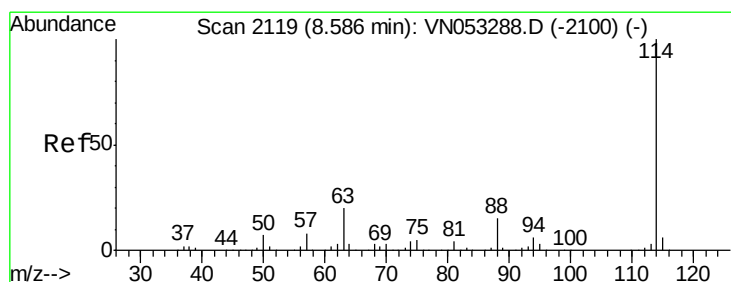
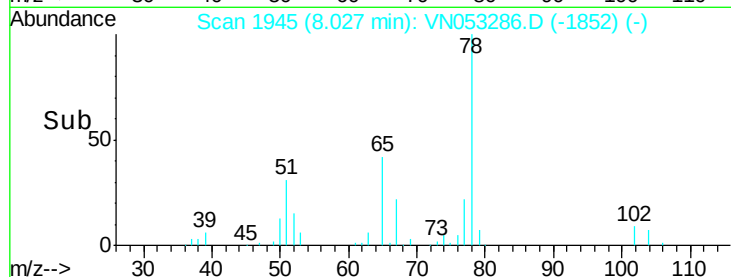
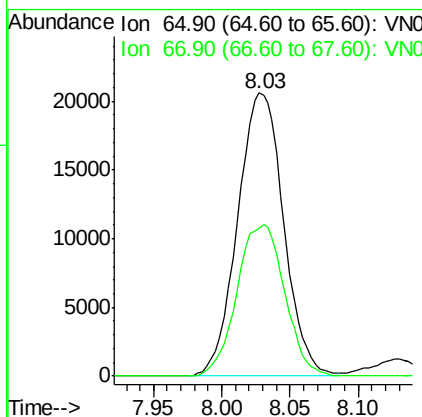
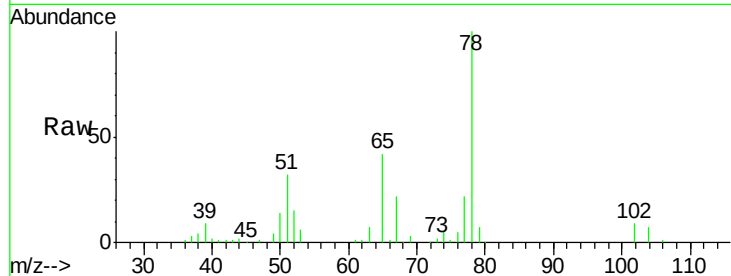
#33
 1,2-Dichloroethane-d4
 Concen: 4.930 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053286.D
 Acq: 4 Jan 2019 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 65 Resp: 48275
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 111.0

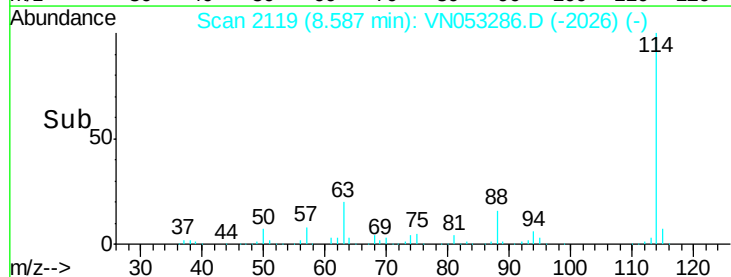
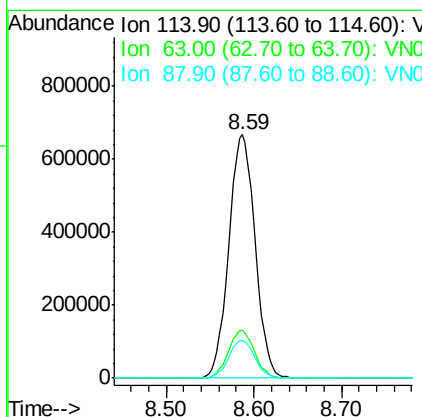
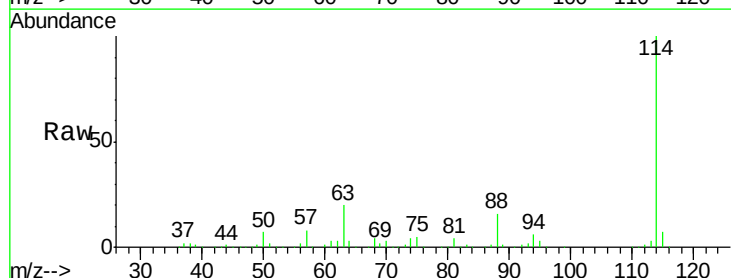
Manual Integrations
 APPROVED

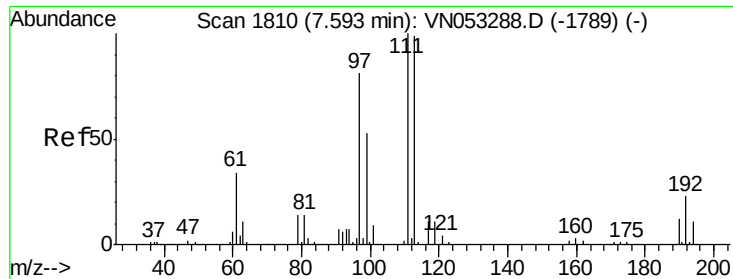
MMDadoda
 1/8/2019 10:24:01 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053286.D
 Acq: 4 Jan 2019 17:42

Tgt Ion: 114 Resp: 1390292
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 15.5 0.0 30.8





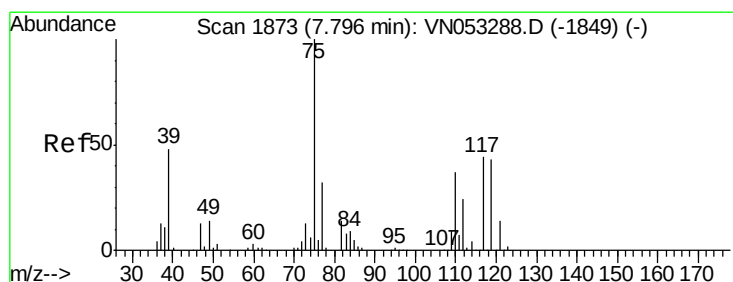
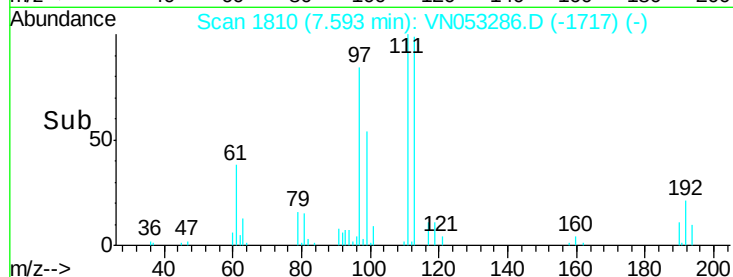
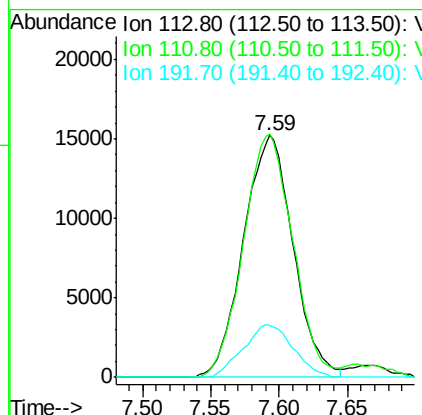
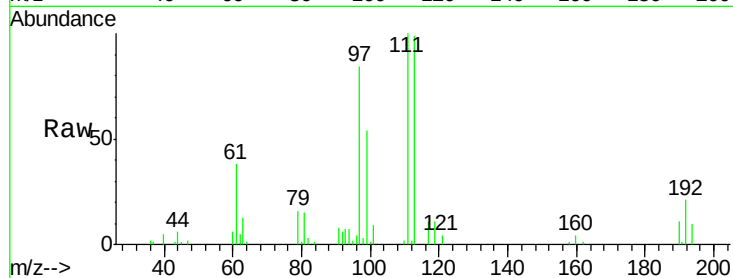
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.0	81.4	122.2
192	21.8	17.9	26.9

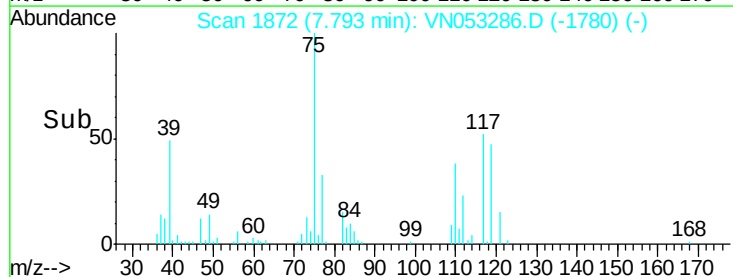
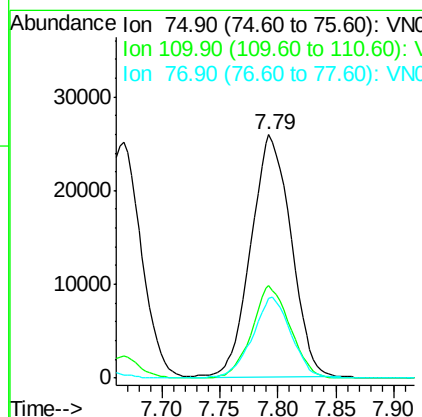
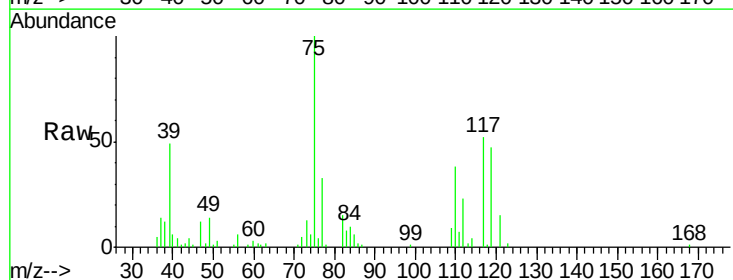
Manual Integrations
APPROVED

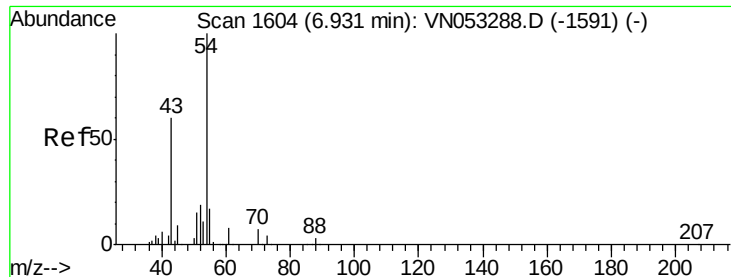
MMDadoda
1/8/2019 10:24:01 AM



#36
1,1-Dichloropropene
Concen: 4.849 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.4	55.0
77	32.1	25.3	37.9





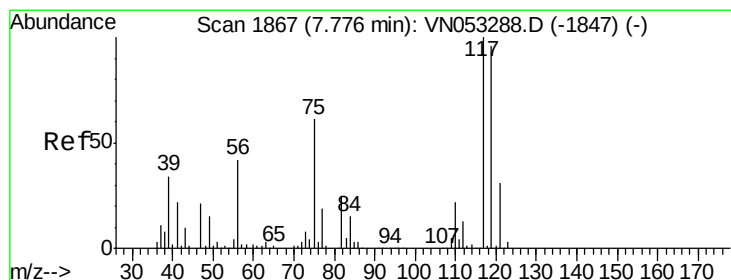
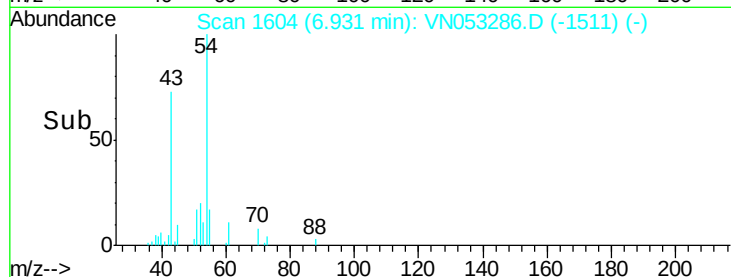
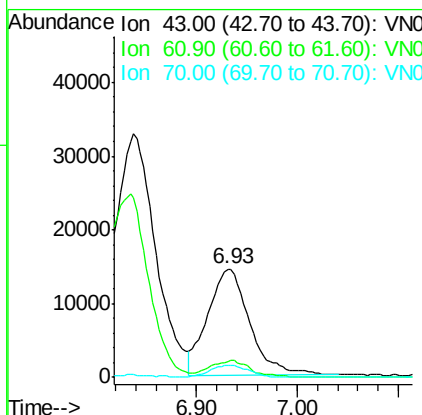
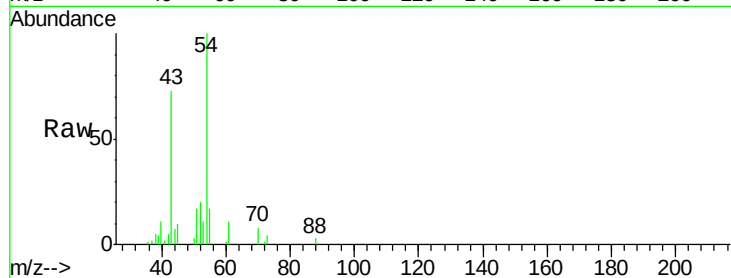
#37
Ethyl Acetate
Concen: 4.907 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	43	61	70
Resp	41998		
Ratio	100	15.6	10.3
Lower		11.9	8.6
Upper		17.9	13.0

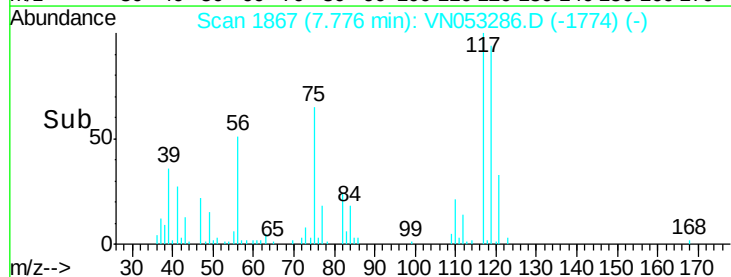
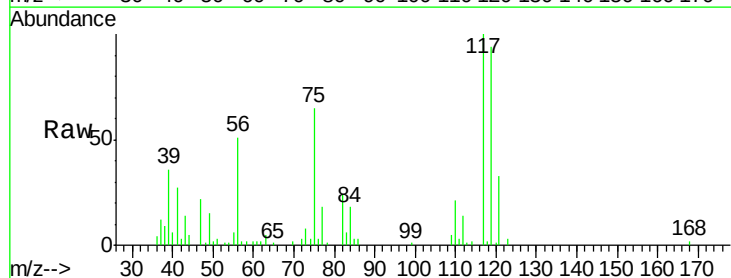
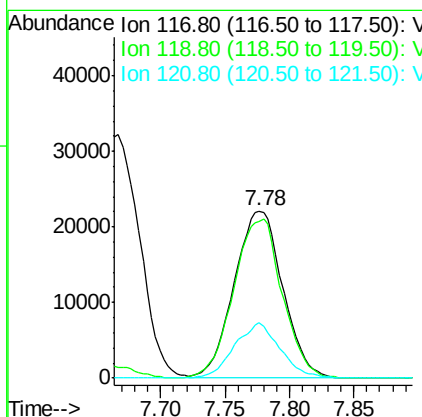
Manual Integrations
APPROVED

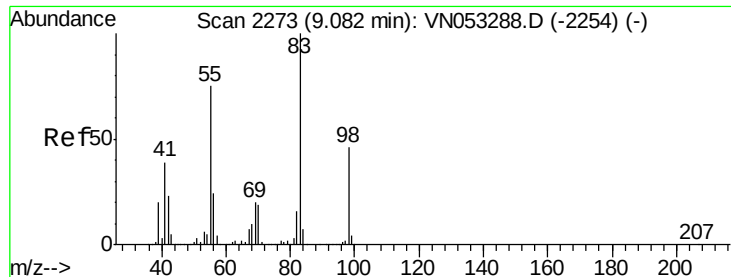
MMDadoda
1/8/2019 10:24:01 AM



#38
Carbon Tetrachloride
Concen: 4.824 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Tgt Ion	117	119	121
Resp	58023		
Ratio	100	94.0	32.9
Lower		76.6	25.0
Upper		115.0	37.4





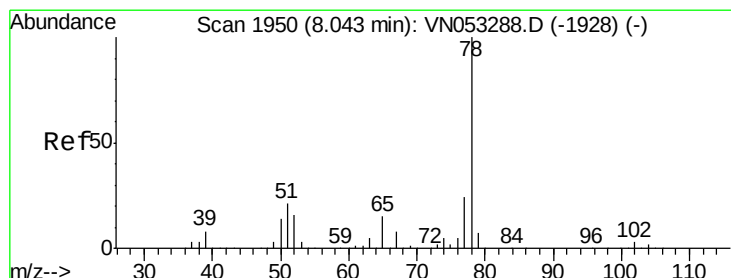
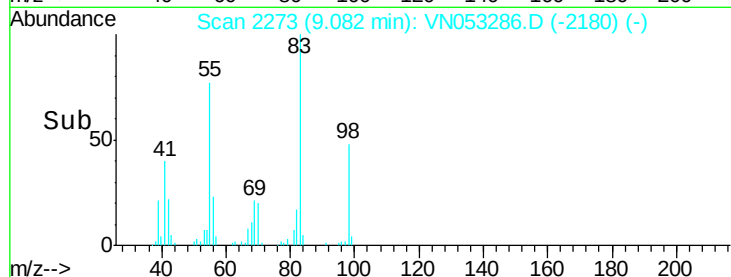
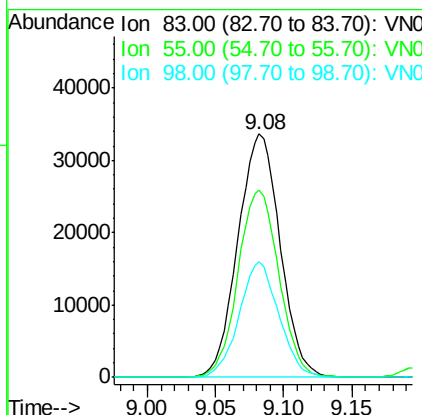
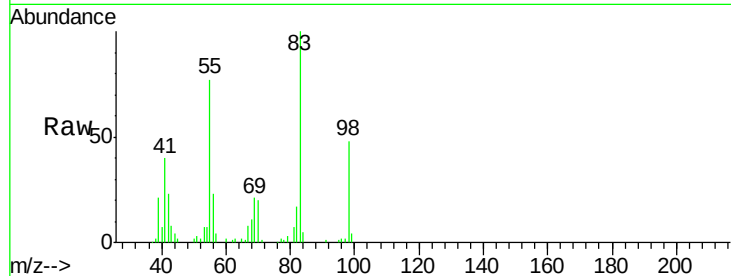
#39
Methylvlcyclohexane
Concen: 4.815 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	83	Resp	72370
Ion Ratio	100	Lower	Upper
83	100		
55	76.7	60.1	90.1
98	47.7	36.7	55.1

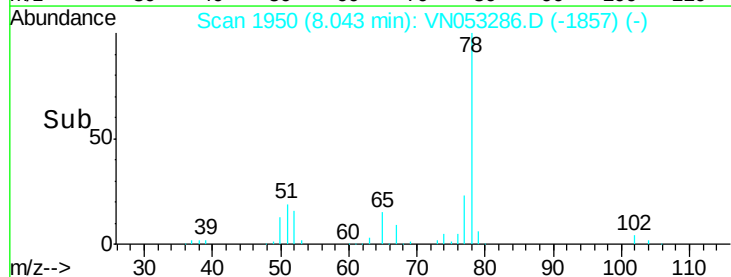
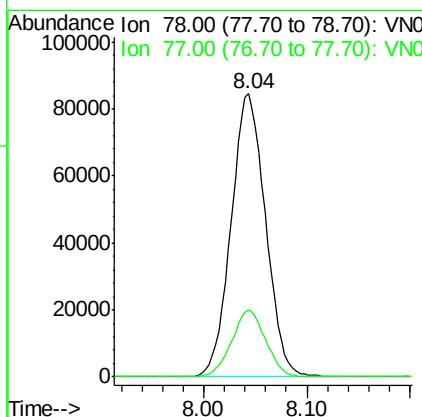
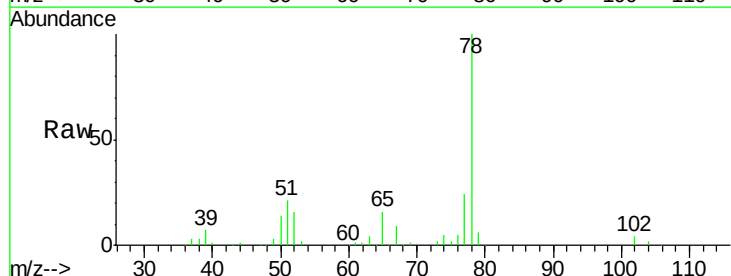
Manual Integrations
APPROVED

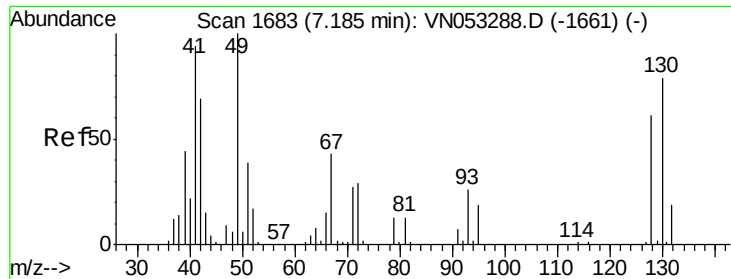
MMDadoda
1/8/2019 10:24:01 AM



#40
Benzene
Concen: 4.971 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Tgt Ion	78	Resp	196558
Ion Ratio	100	Lower	Upper
78	100		
77	23.7	19.0	28.4





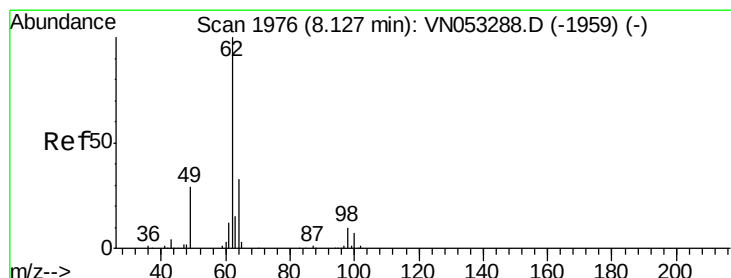
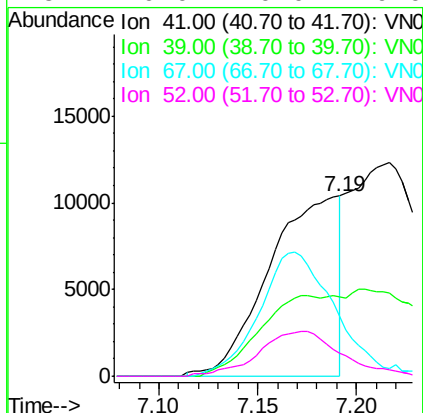
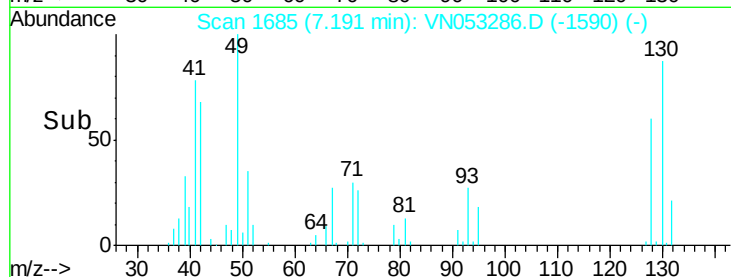
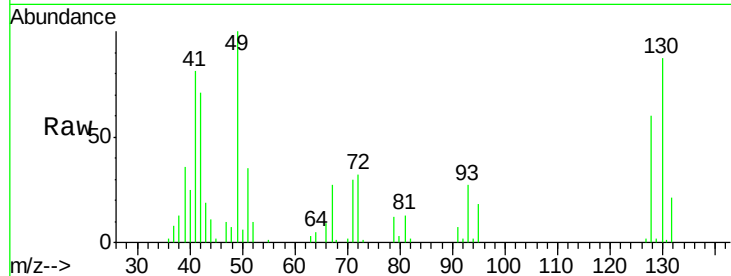
#41
Methacrylonitrile
Concen: 5.241 ug/l m
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	41	Resp	25566
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

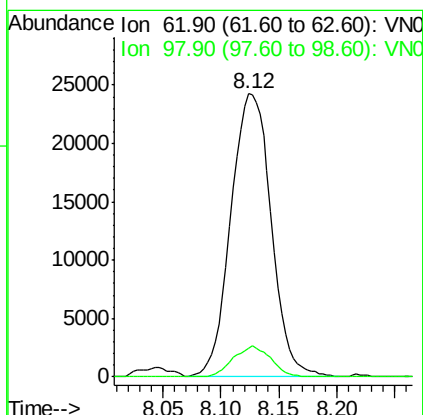
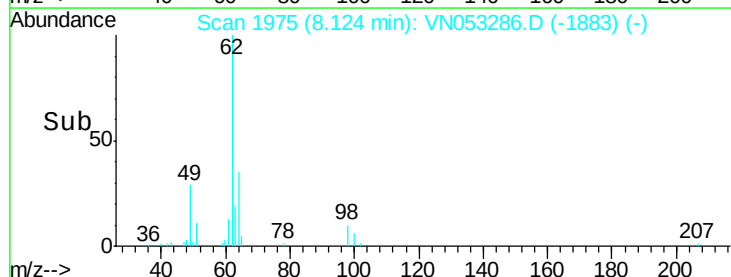
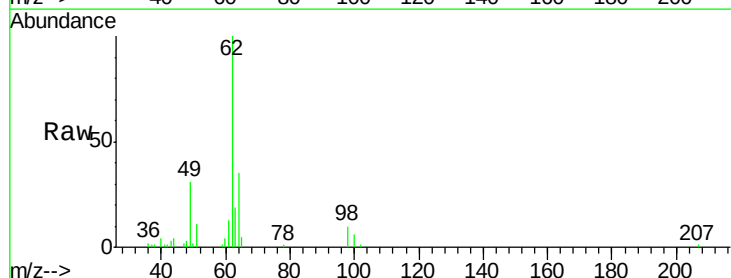
Manual Integrations
APPROVED

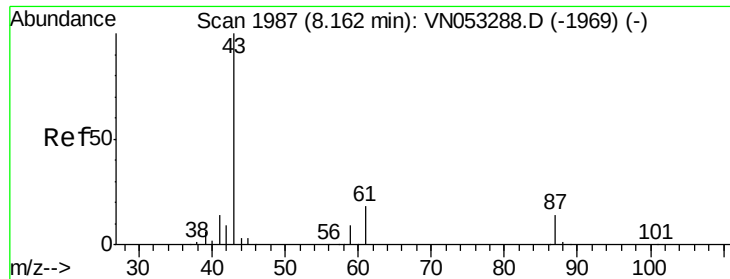
MMDadoda
1/8/2019 10:24:01 AM



#42
1,2-Dichloroethane
Concen: 5.051 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Tgt Ion	62	Resp	58684
Ion Ratio	Lower	Upper	
62	100		
98	10.1	0.0	20.2





#43

Isopropyl Acetate

Concen: 5.337 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Instrument :

MSVOA_N

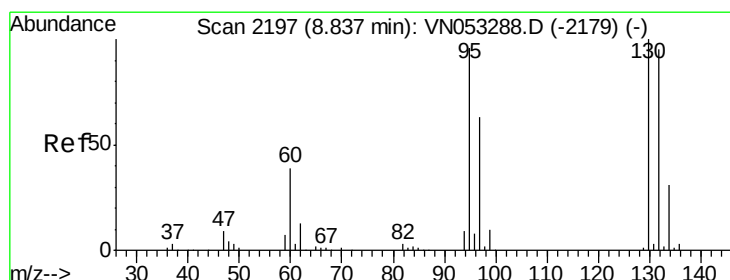
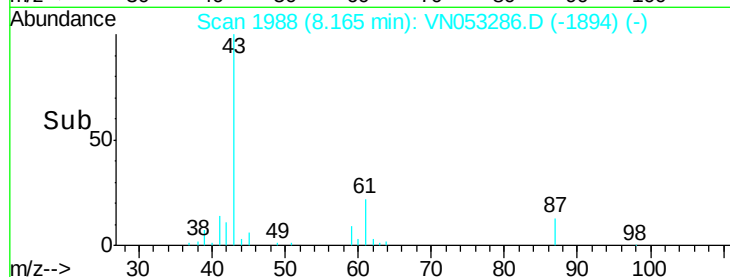
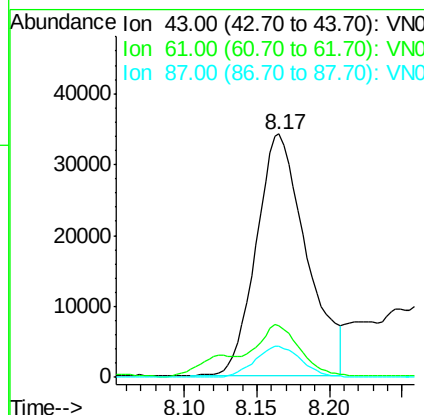
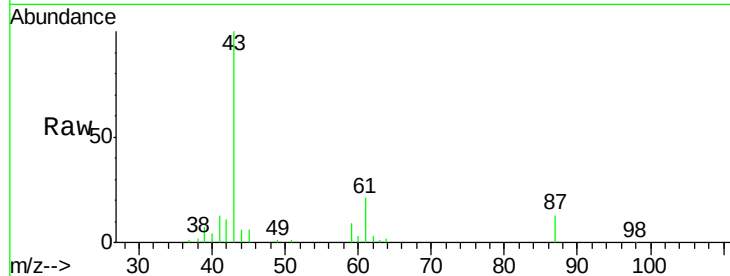
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	82513
Ion	Ratio	Lower	Upper
43	100		
61	18.3	23.3	34.9#
87	11.7	10.8	16.2

Manual Integrations
APPROVED

MMDadoda
1/8/2019 10:24:01 AM



#44

Trichloroethene

Concen: 4.893 ug/l

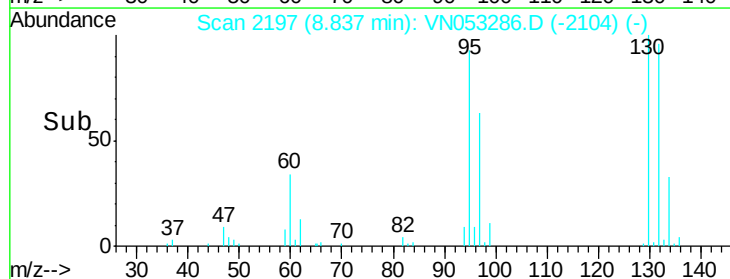
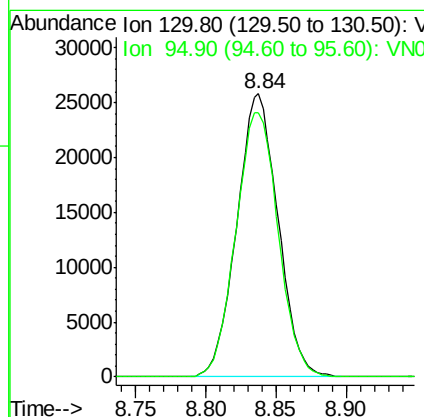
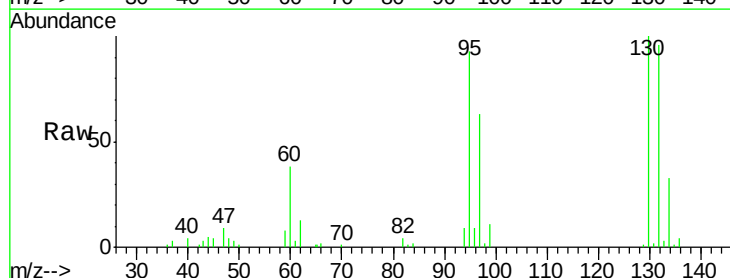
RT: 8.84 min Scan# 2197

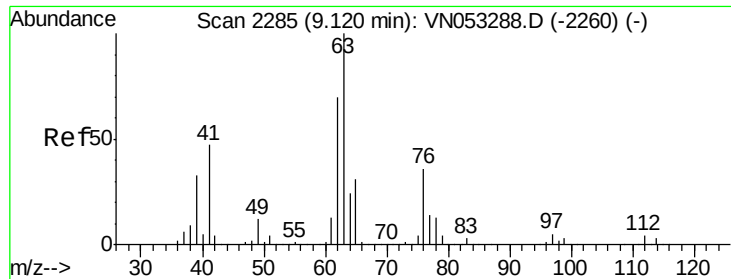
Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Tgt Ion:	130	Resp:	52753
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	191.8





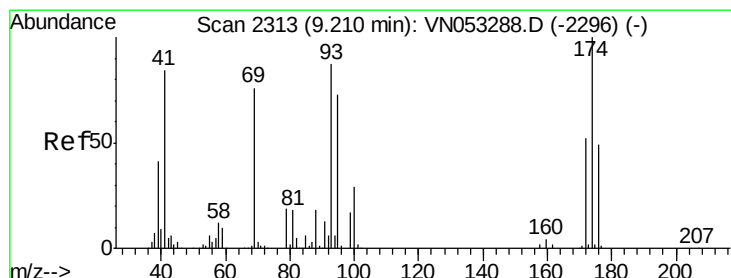
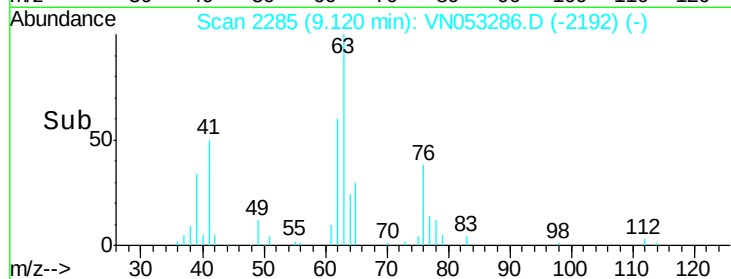
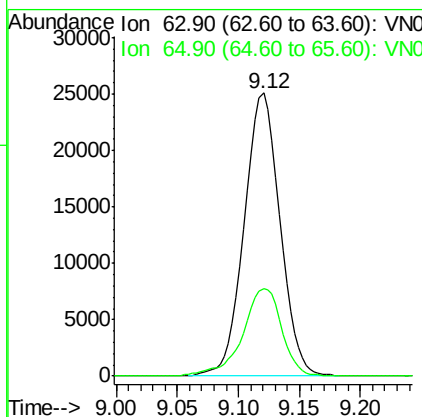
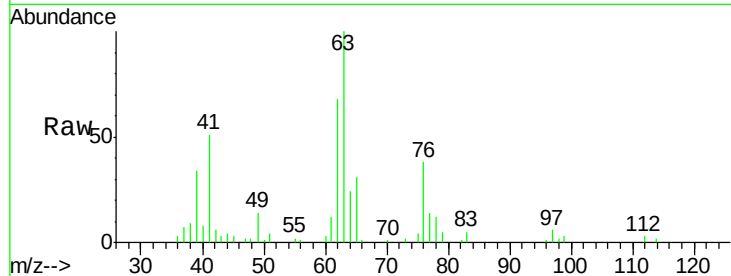
#45
 1,2-Dichloropropane
 Concen: 4.915 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053286.D
 Acq: 4 Jan 2019 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 50968
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.6

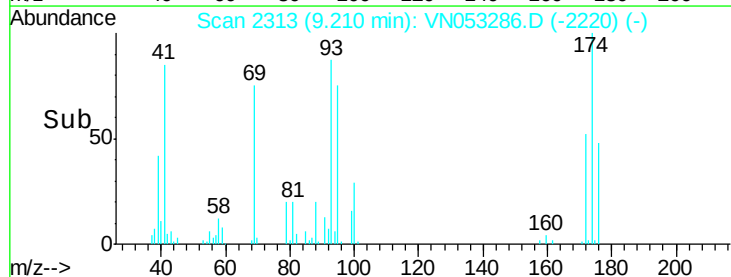
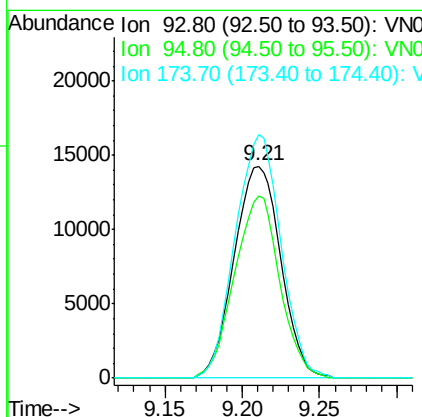
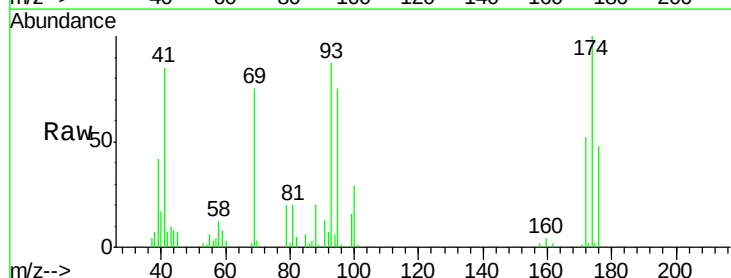
Manual Integrations
 APPROVED

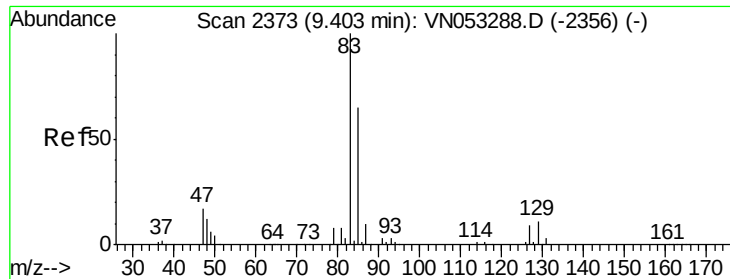
MMDadoda
 1/8/2019 10:24:01 AM



#46
 Dibromomethane
 Concen: 4.895 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053286.D
 Acq: 4 Jan 2019 17:42

Tgt Ion: 93 Resp: 29927
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.6 100.0
 174 112.5 91.4 137.0





#47

Bromodichloromethane

Concen: 4.802 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Instrument :

MSVOA_N

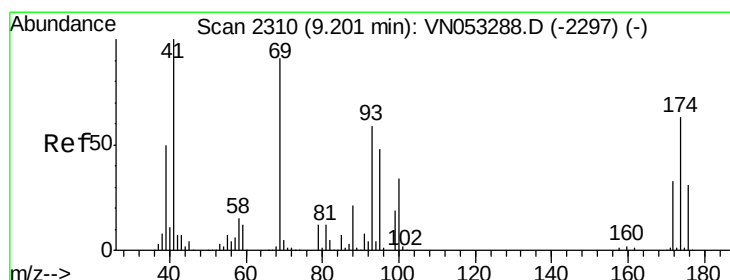
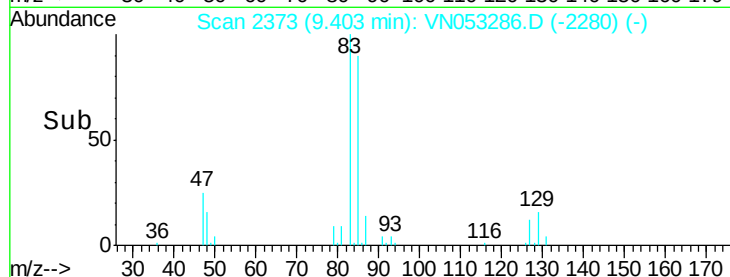
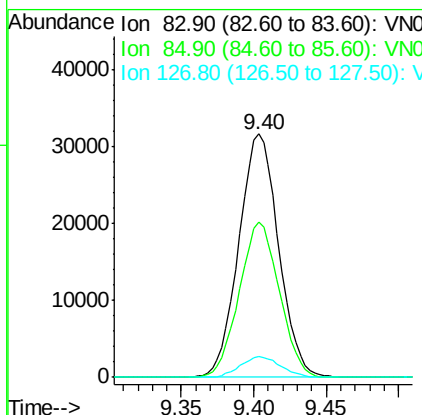
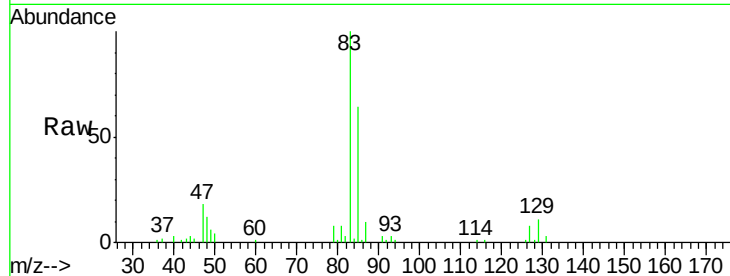
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	60539
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.7	77.5
127	8.4	7.0	10.6

Manual Integrations
APPROVED

MMDadoda
1/8/2019 10:24:01 AM



#48

Methyl methacrylate

Concen: 4.562 ug/l

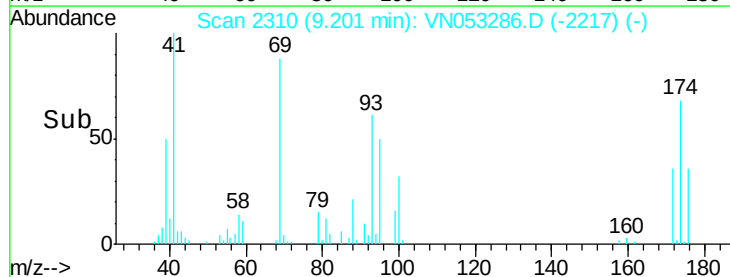
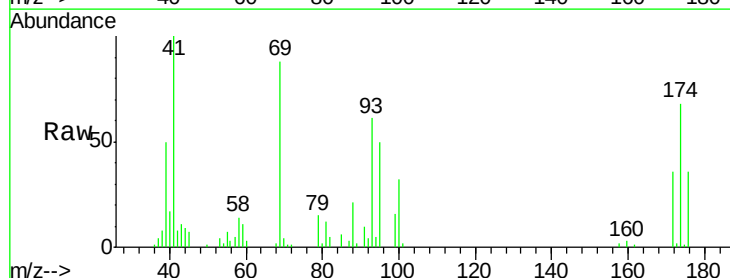
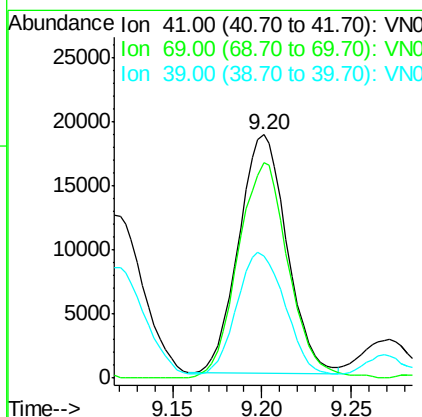
RT: 9.20 min Scan# 2310

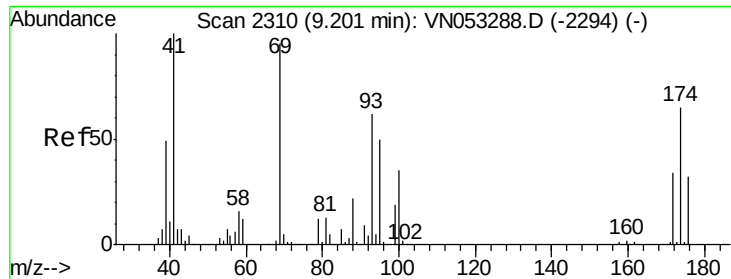
Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Tgt Ion:	41	Resp:	35323
Ion	Ratio	Lower	Upper
41	100		
69	94.0	73.5	110.3
39	54.3	41.6	62.4





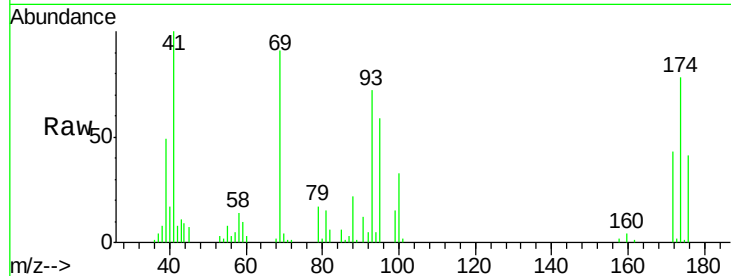
#49
1,4-Dioxane
Concen: 94.921 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.2	26.2	39.4
58	68.3	55.5	83.3

Manual Integrations
APPROVED

MMDadoda
1/8/2019 10:24:01 AM

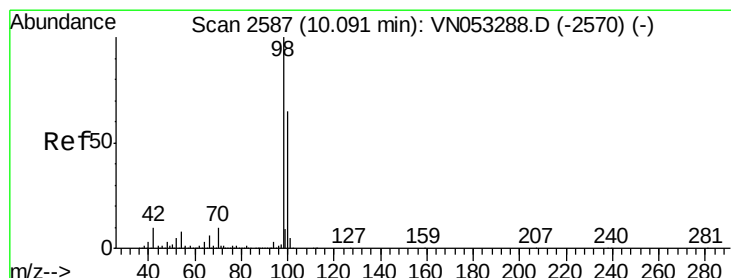
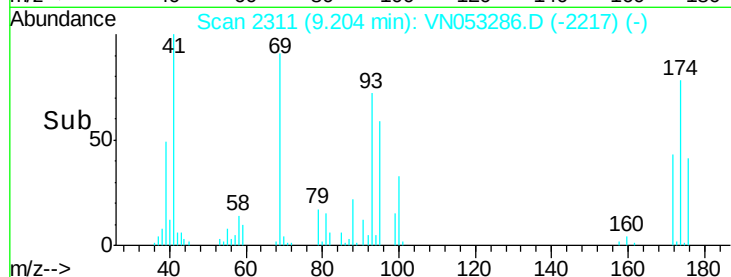
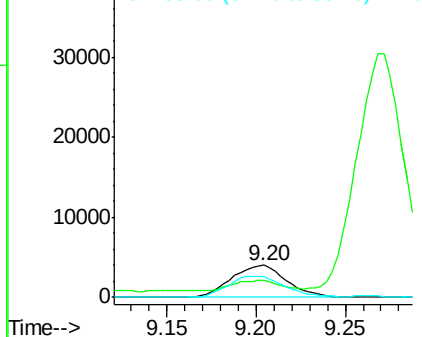


Abundance

Ion 88.00 (87.70 to 88.70): VN053286.D (-2217) (-)

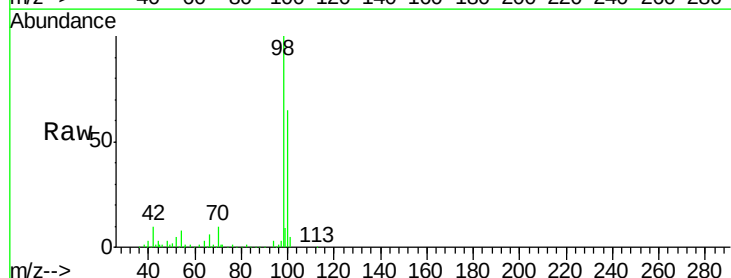
Ion 43.00 (42.70 to 43.70): VN053286.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN053286.D (-2217) (-)



#50
Toluene-d8
Concen: 94.921 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

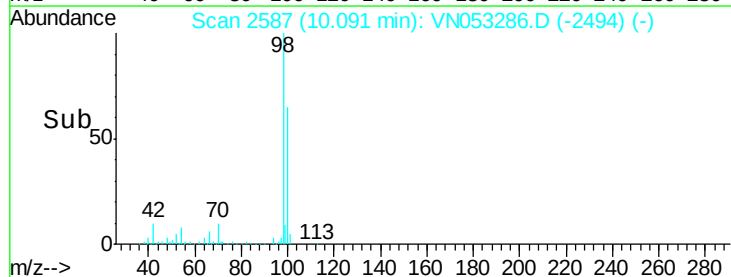
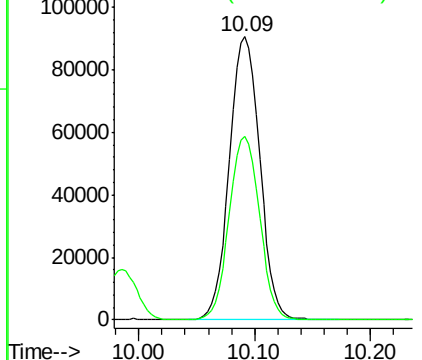
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.5	77.3

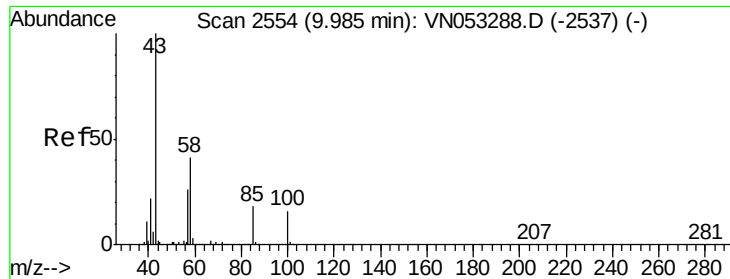


Abundance

Ion 98.00 (97.70 to 98.70): VN053286.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053286.D (-2494) (-)





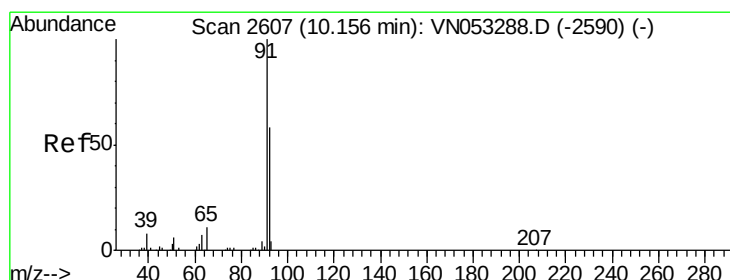
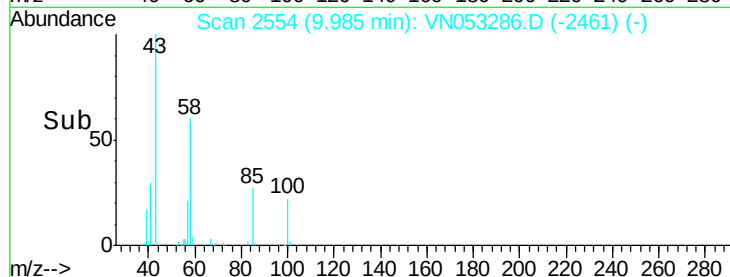
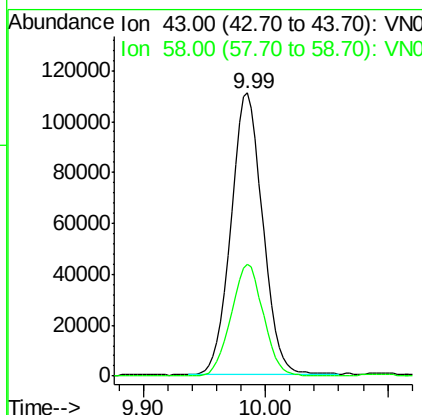
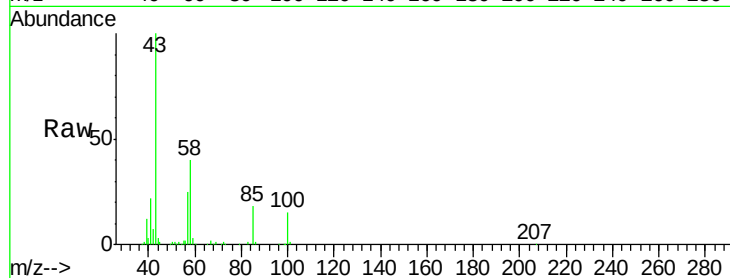
#51
4-Methyl-2-Pentanone
Concen: 23.269 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.8	32.7	49.1

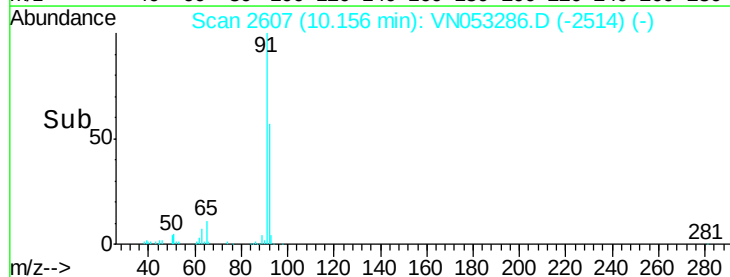
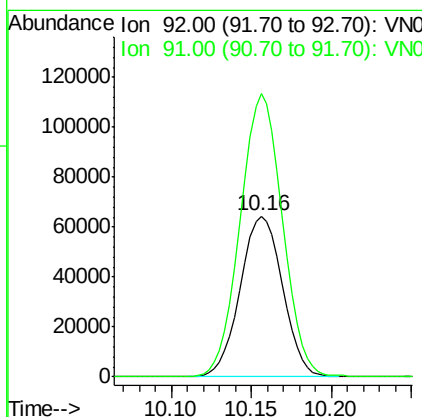
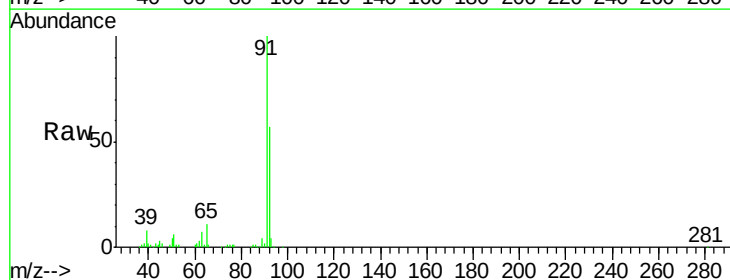
Manual Integrations
APPROVED

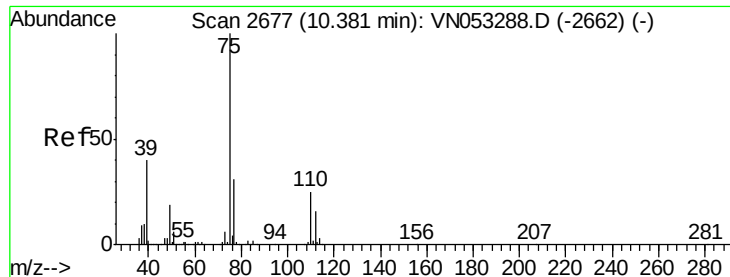
MMDadoda
1/8/2019 10:24:01 AM



#52
Toluene
Concen: 4.708 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.8	138.6	208.0





#53

t-1,3-Dichloropropene

Concen: 4.450 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 59053

Ion Ratio Lower Upper

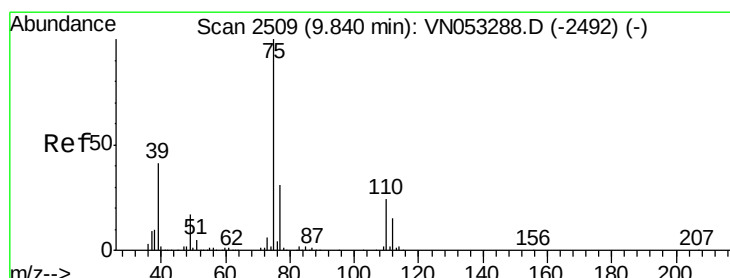
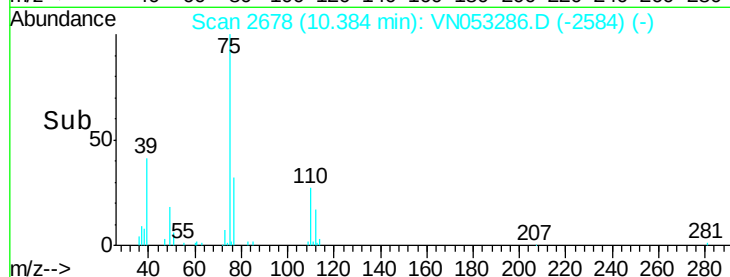
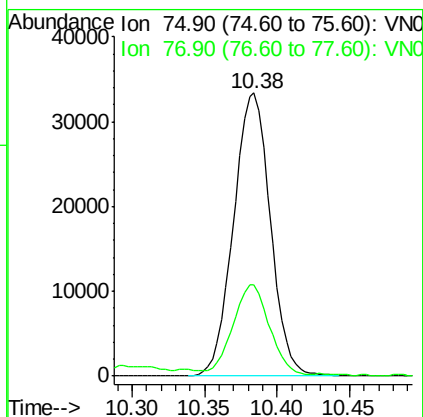
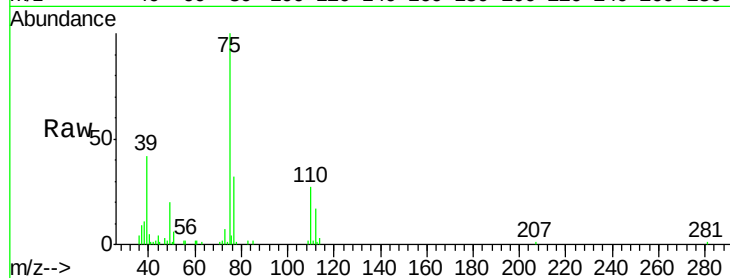
75 100

77 31.8 25.0 37.4

Manual Integrations
APPROVED

MMDadoda

1/8/2019 10:24:01 AM



#54

cis-1,3-Dichloropropene

Concen: 4.561 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

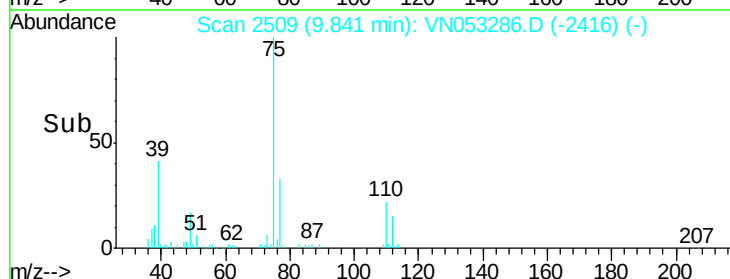
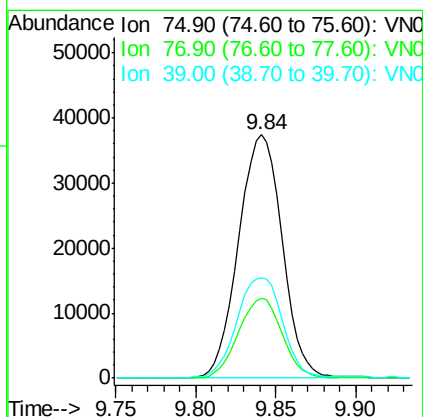
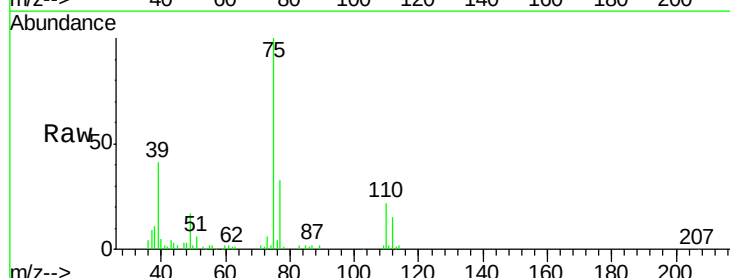
Tgt Ion: 75 Resp: 69825

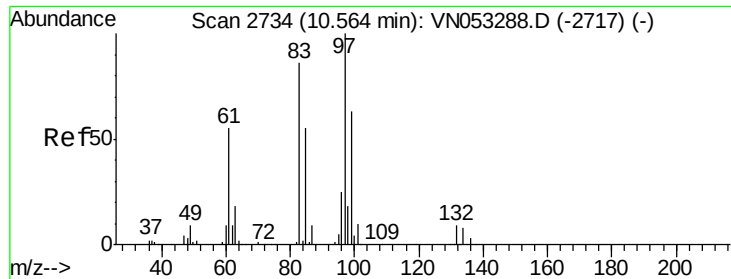
Ion Ratio Lower Upper

75 100

77 33.0 25.1 37.7

39 40.6 33.1 49.7





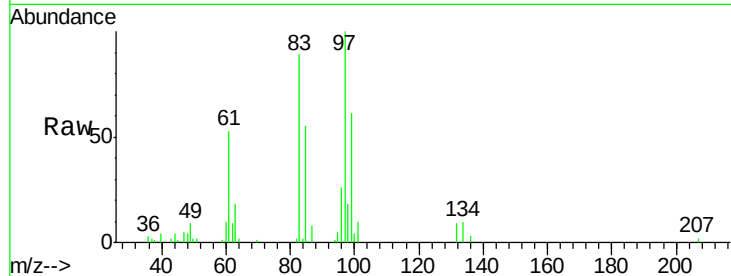
#55
 1,1,2-Trichloroethane
 Concen: 4.985 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053286.D
 Acq: 4 Jan 2019 17:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.3	69.1	103.7
85	55.1	44.2	66.4
99	61.0	50.3	75.5

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 10:24:01 AM

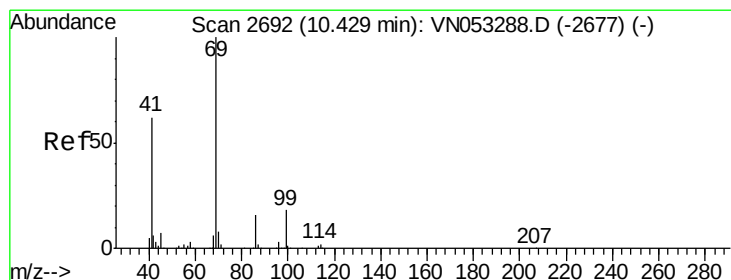
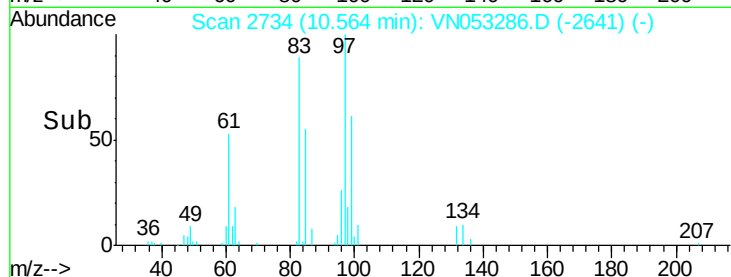
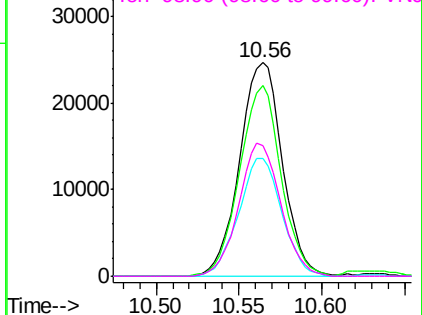


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

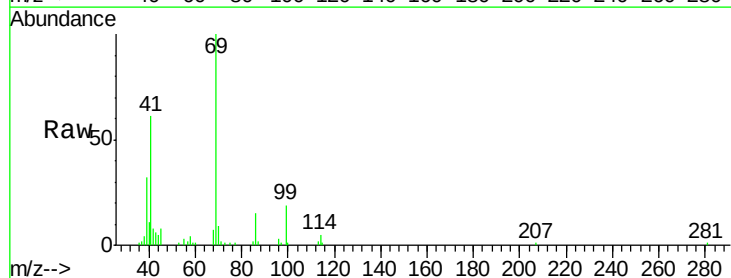
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 4.359 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053286.D
 Acq: 4 Jan 2019 17:42

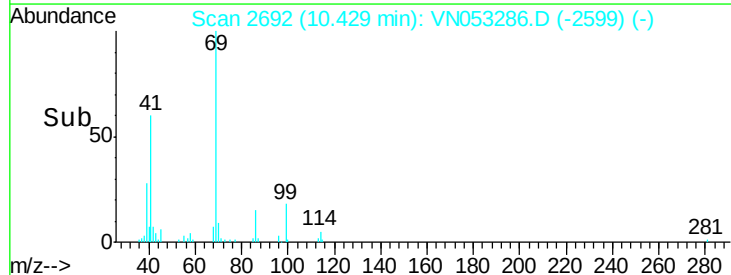
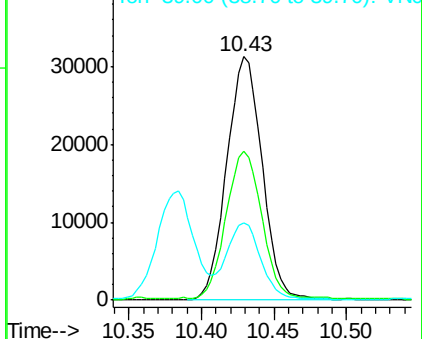
Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.1	49.2	73.8
39	29.8	23.4	35.0

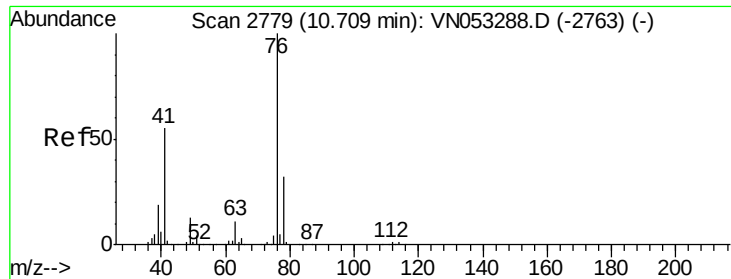


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





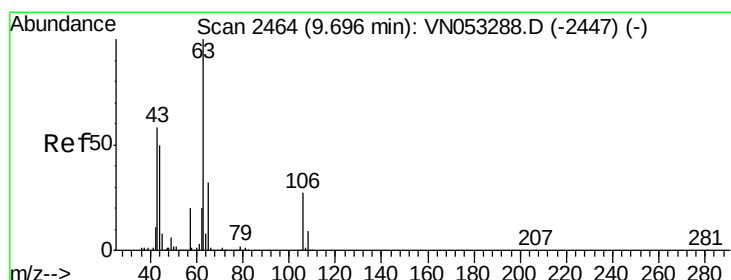
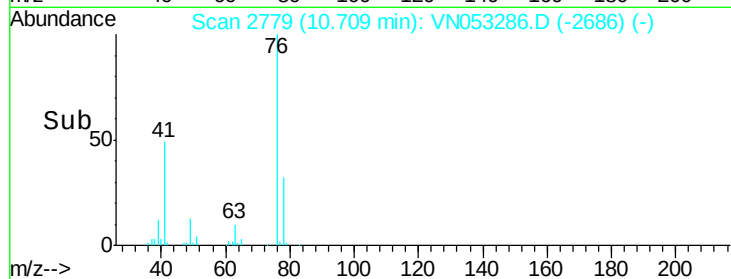
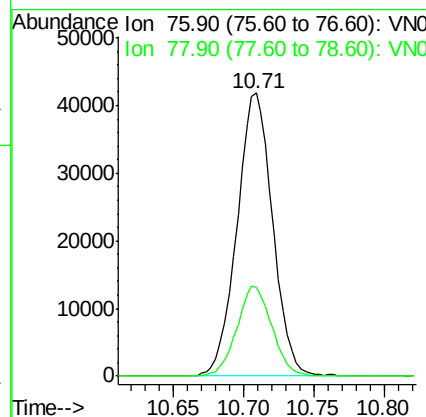
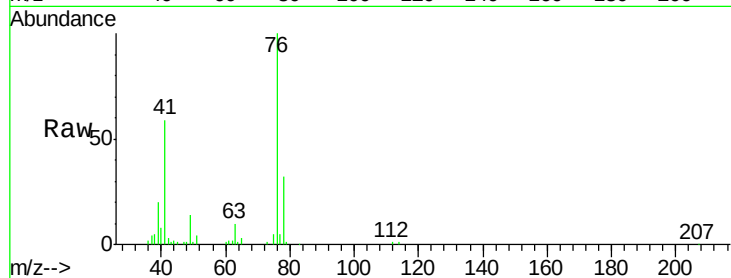
#57
 1,3-Dichloropropane
 Concen: 4.934 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053286.D
 Acq: 4 Jan 2019 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.8	38.8

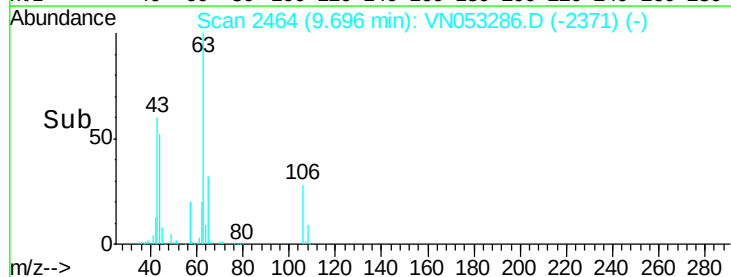
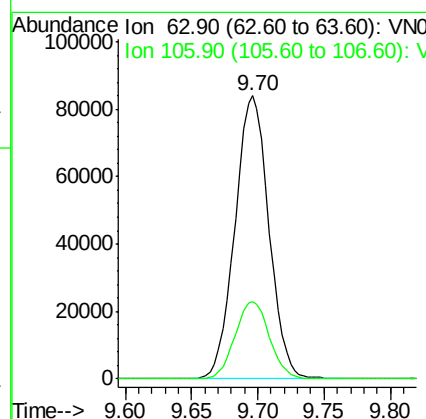
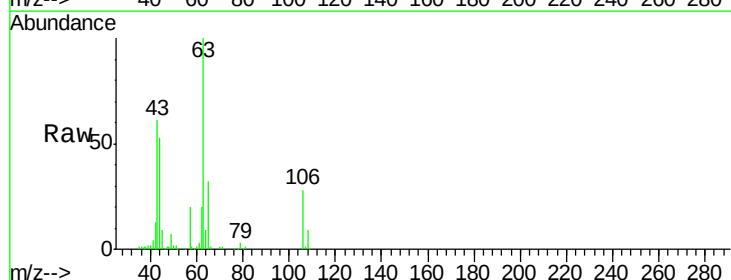
Manual Integrations
 APPROVED

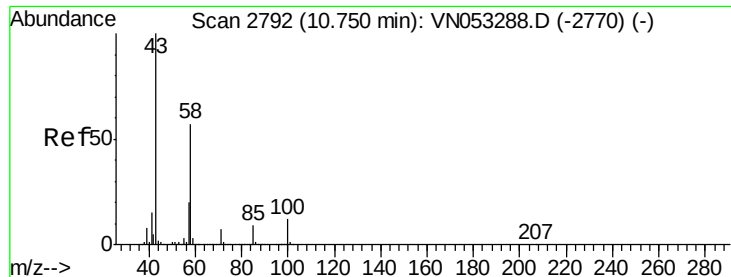
MMDadoda
 1/8/2019 10:24:01 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 22.974 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053286.D
 Acq: 4 Jan 2019 17:42

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.6	21.7	32.5





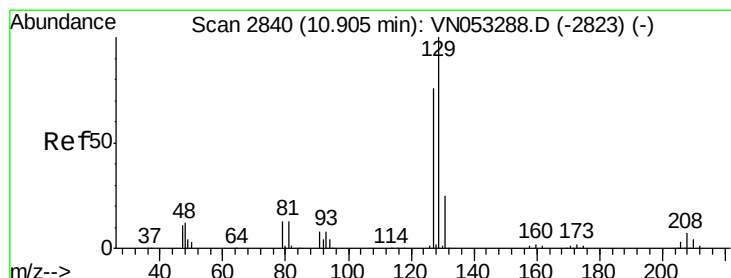
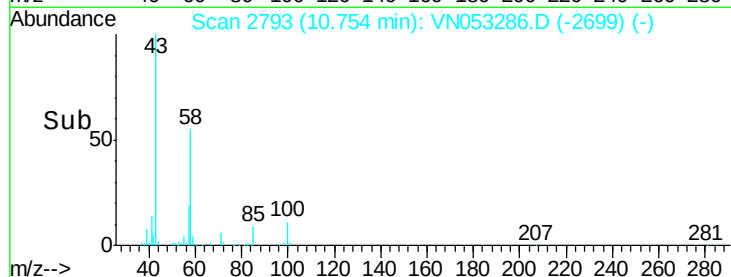
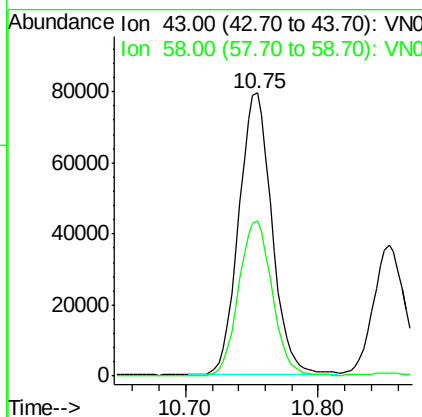
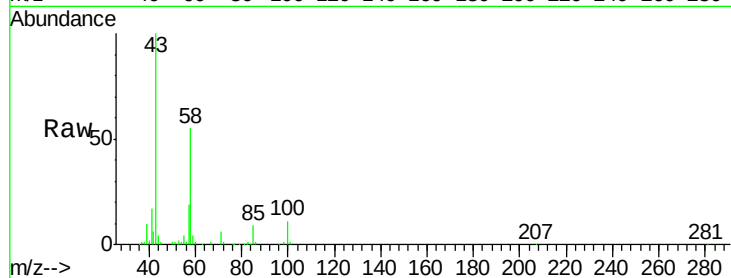
#59
2-Hexanone
Concen: 23.102 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 137587
Ion Ratio Lower Upper
43 100
58 56.0 28.3 85.0

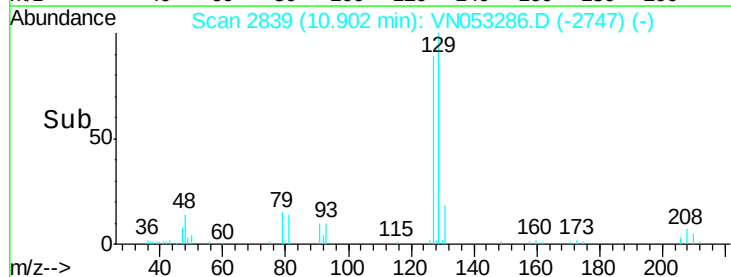
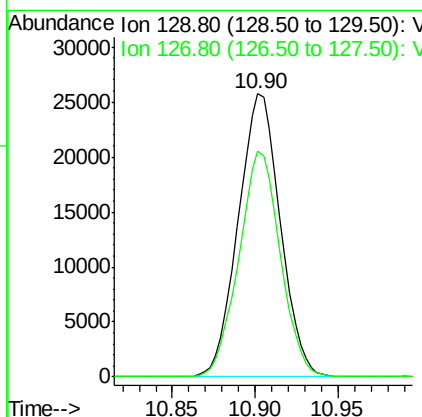
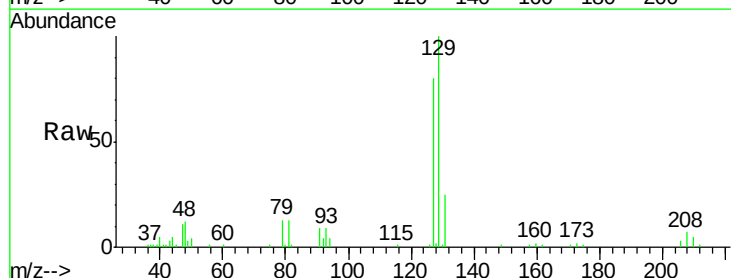
Manual Integrations
APPROVED

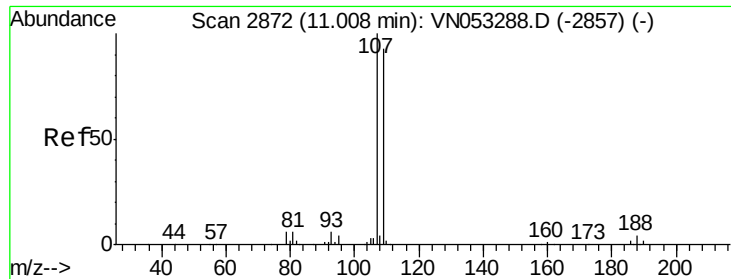
MMDadoda
1/8/2019 10:24:01 AM



#60
Dibromochloromethane
Concen: 4.575 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Tgt Ion: 129 Resp: 45365
Ion Ratio Lower Upper
129 100
127 78.3 38.4 115.2





#61

1,2-Dibromoethane

Concen: 4.644 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 107 Resp: 41713

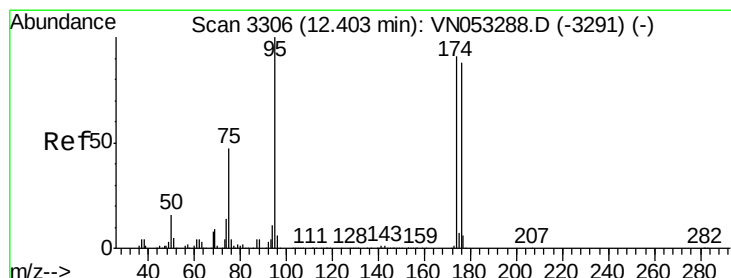
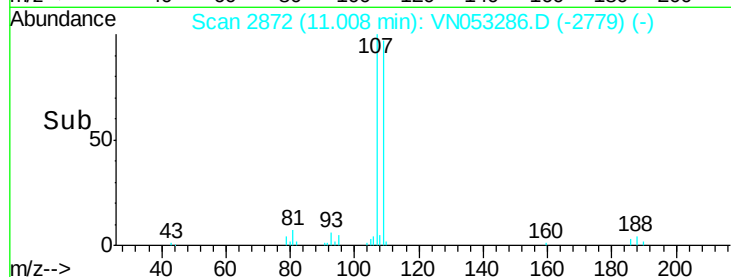
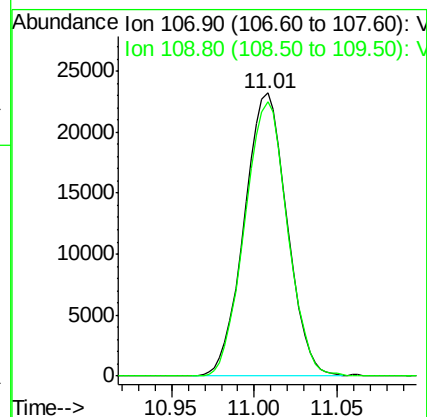
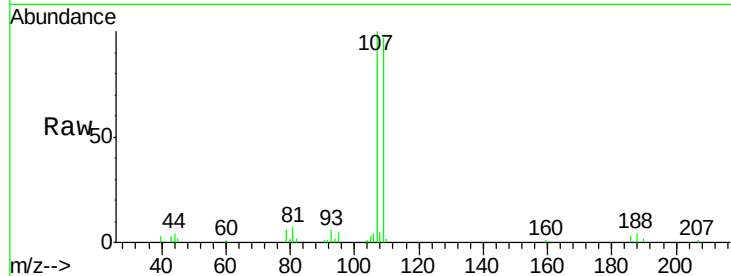
Ion Ratio Lower Upper

107 100

109 96.9 75.0 112.6

Manual Integrations
APPROVED

MMDadoda
1/8/2019 10:24:01 AM



#62

4-Bromofluorobenzene

Concen: 4.644 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

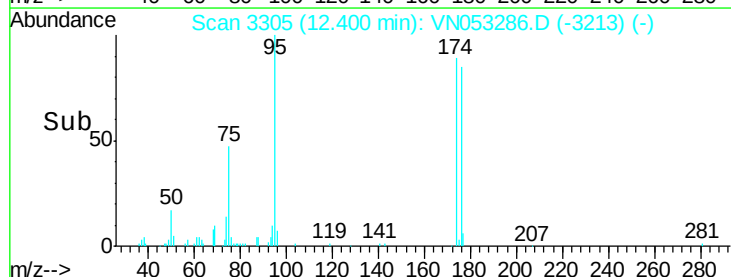
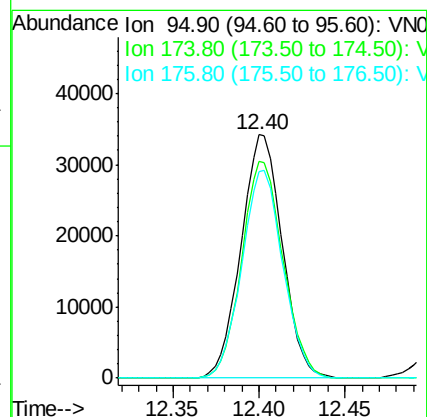
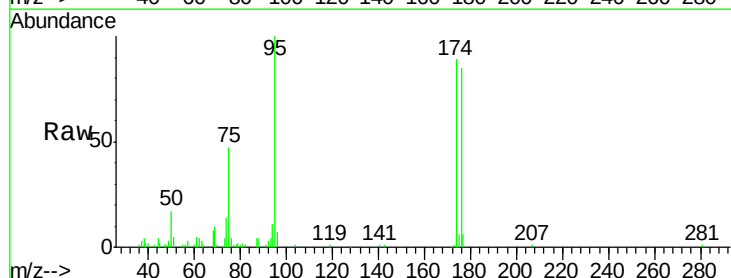
Tgt Ion: 95 Resp: 56735

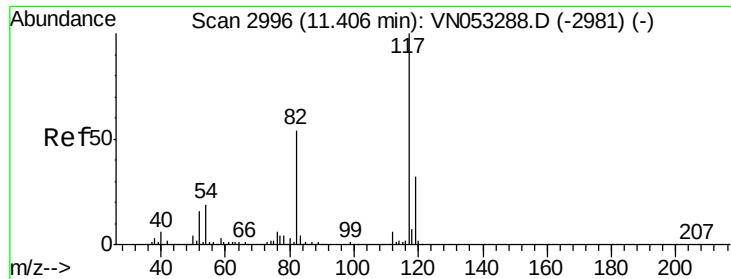
Ion Ratio Lower Upper

95 100

174 89.6 0.0 180.4

176 85.4 0.0 175.6





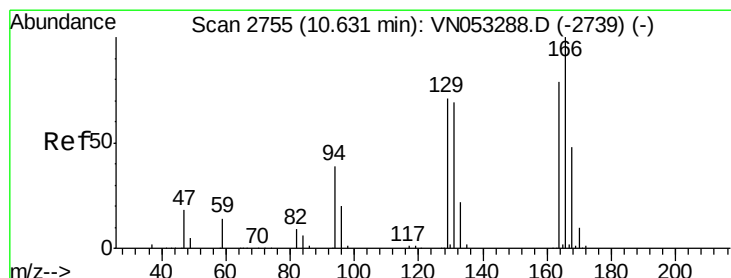
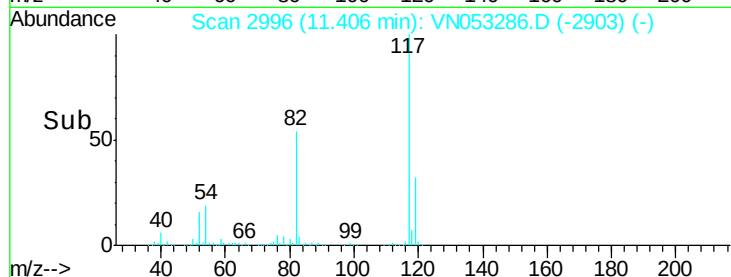
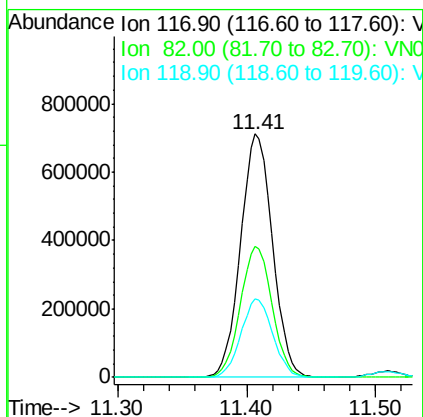
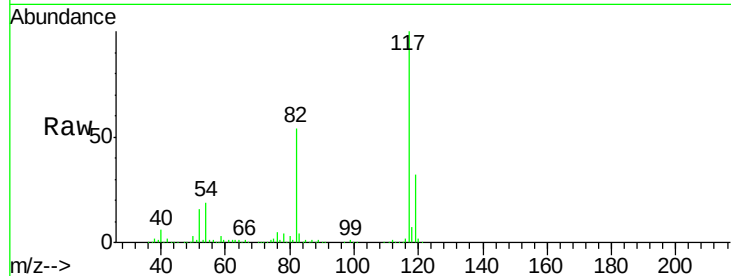
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.9	64.3
119	32.2	25.6	38.4

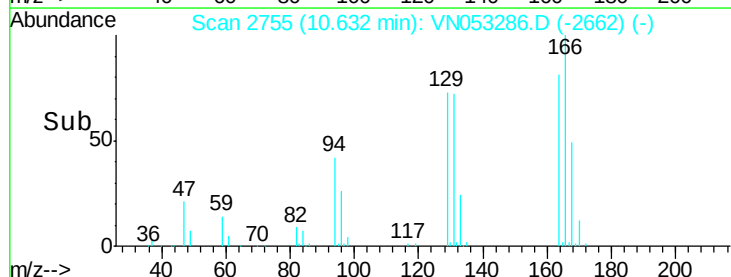
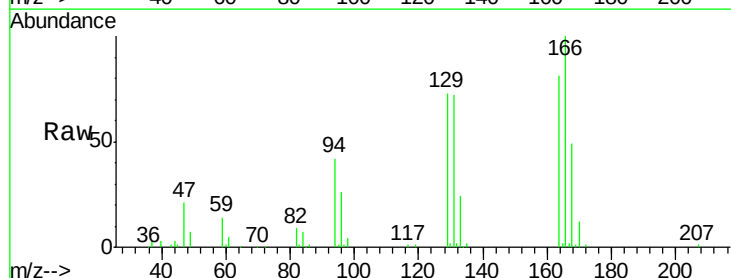
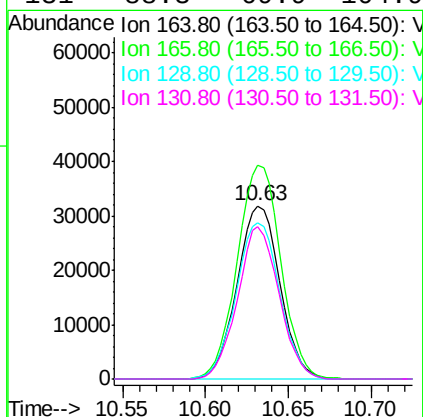
Manual Integrations
APPROVED

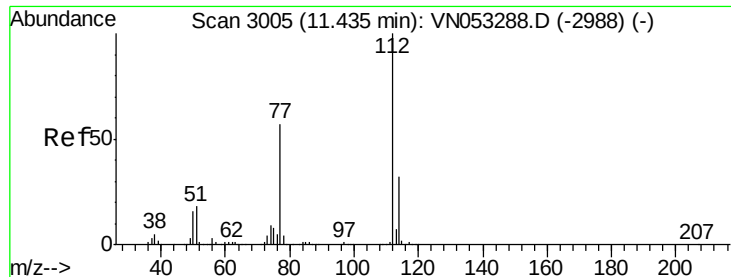
MMDadoda
1/8/2019 10:24:01 AM



#64
Tetrachloroethene
Concen: 4.920 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.4	101.7	152.5
129	90.6	72.1	108.1
131	88.3	69.9	104.9





#65

Chlorobenzene

Concen: 4.884 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:112 Resp: 130065

Ion Ratio Lower Upper

112 100

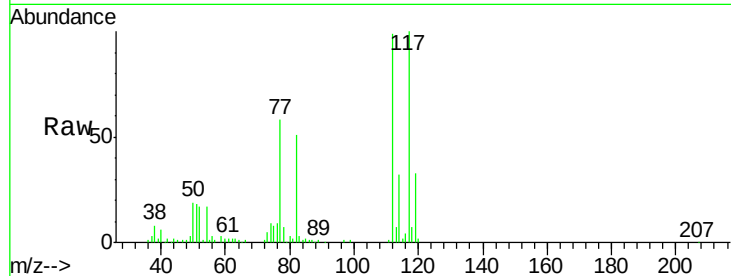
114 32.1 25.6 38.4

Manual Integrations

APPROVED

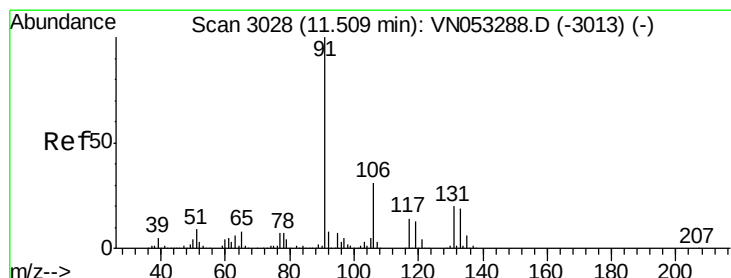
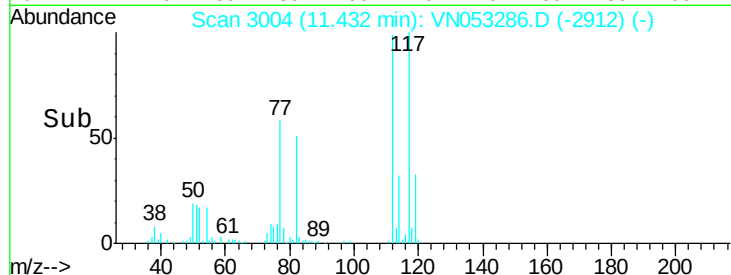
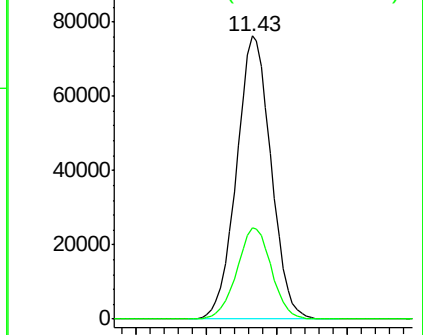
MMDadoda

1/8/2019 10:24:01 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.765 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

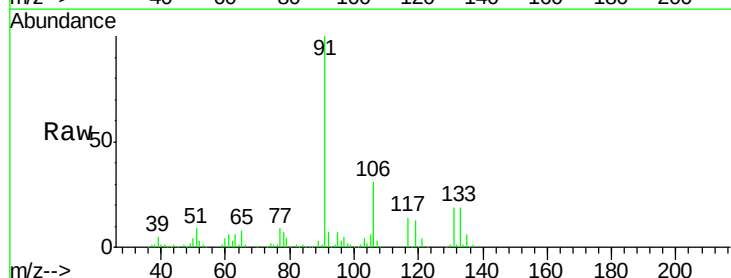
Tgt Ion:131 Resp: 44757

Ion Ratio Lower Upper

131 100

133 96.7 48.0 144.0

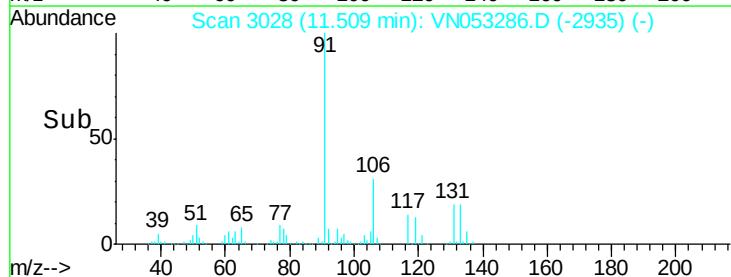
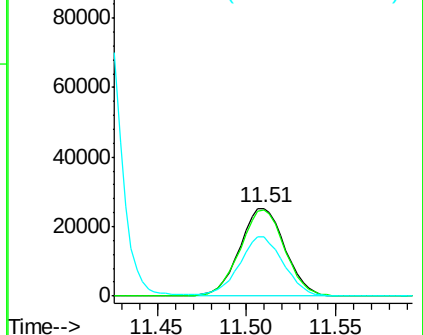
119 66.1 33.3 99.9

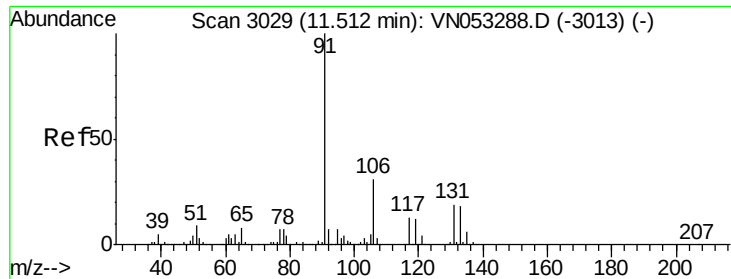


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





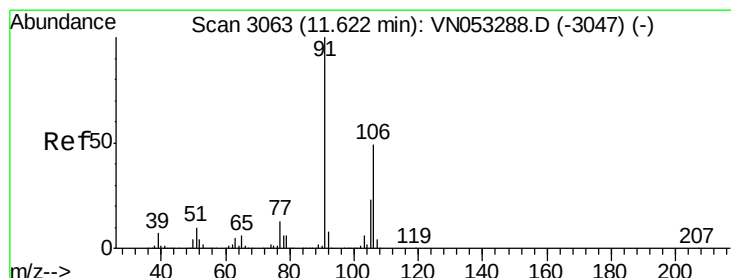
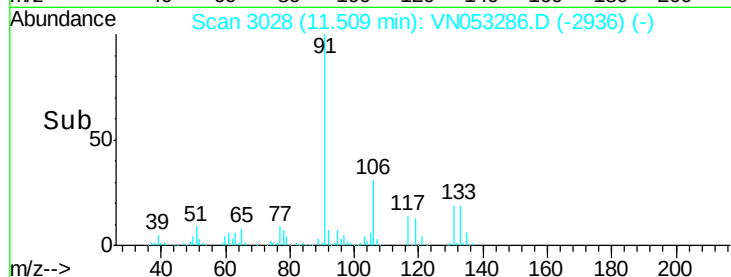
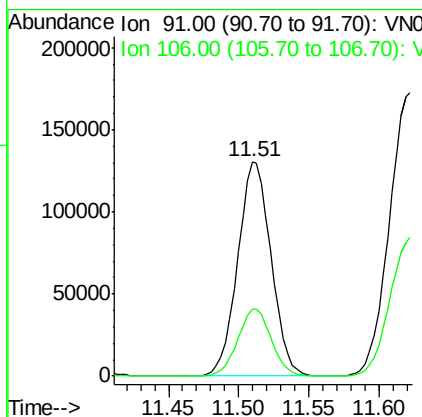
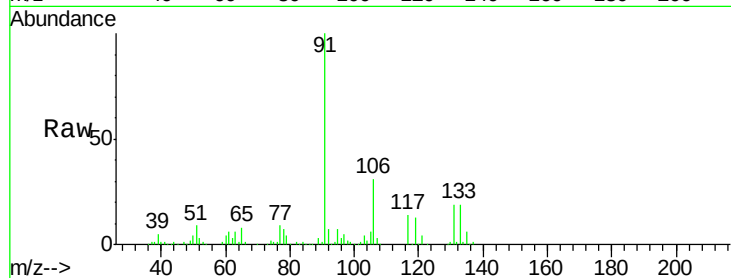
#67
Ethyl Benzene
Concen: 4.708 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 216841
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4

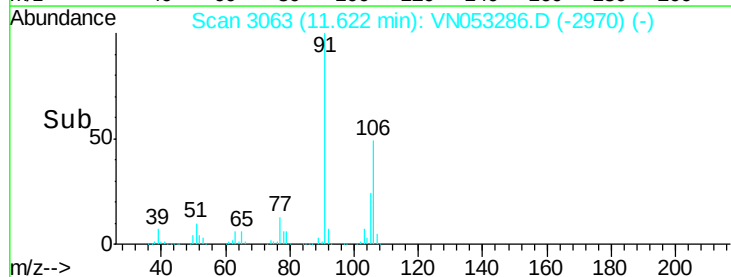
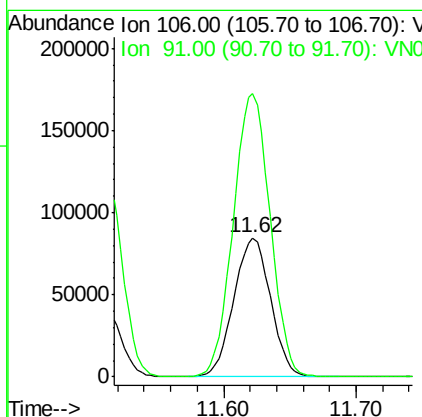
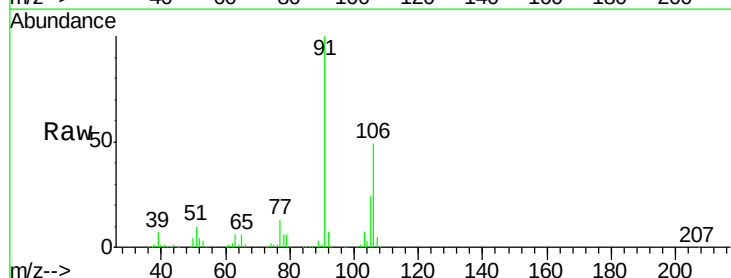
Manual Integrations
APPROVED

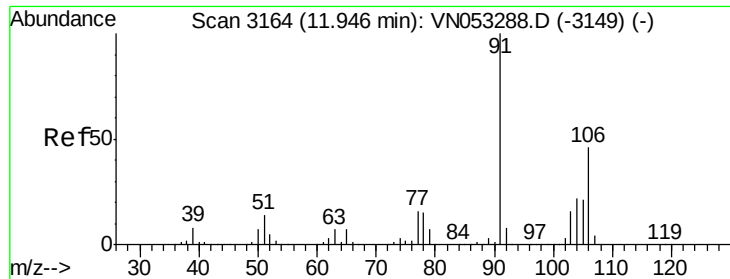
MMDadoda
1/8/2019 10:24:01 AM



#68
m/p-Xylenes
Concen: 9.293 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Tgt Ion: 106 Resp: 163155
Ion Ratio Lower Upper
106 100
91 203.8 161.4 242.2





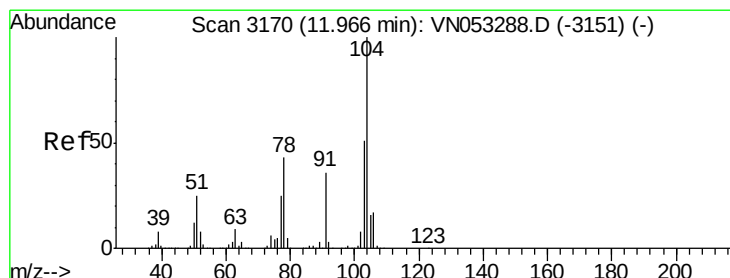
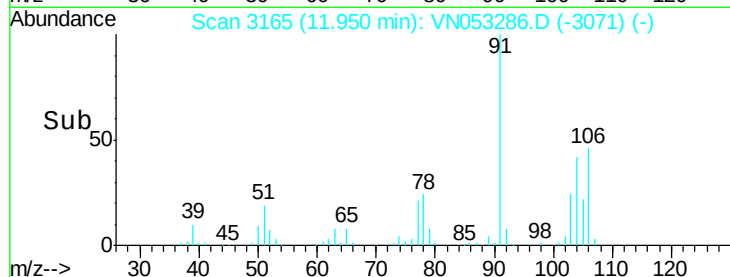
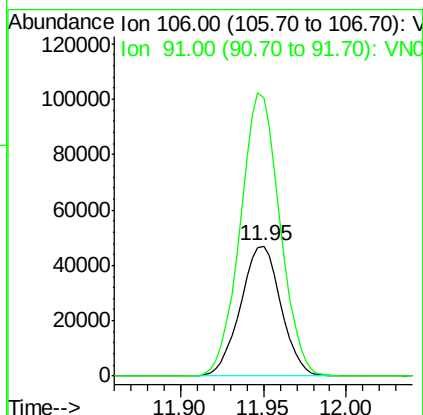
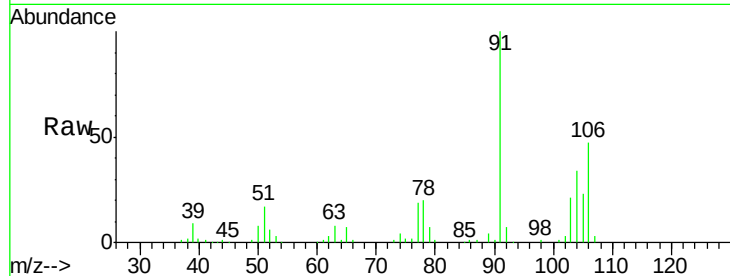
#69
o-Xylene
Concen: 4.677 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 79562
Ion Ratio Lower Upper
106 100
91 213.5 106.8 320.4

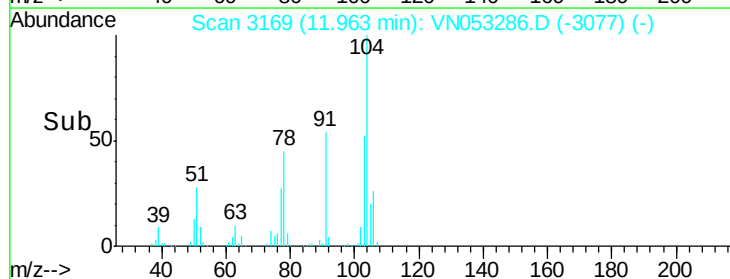
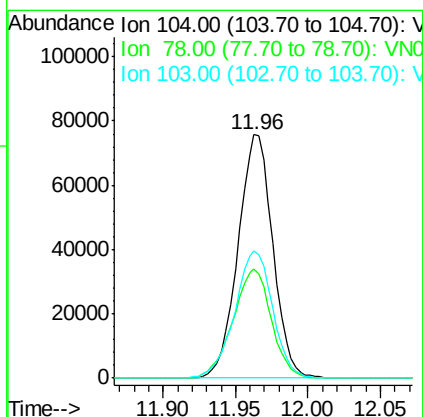
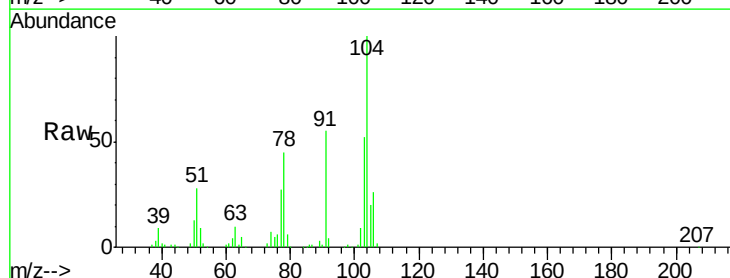
Manual Integrations
APPROVED

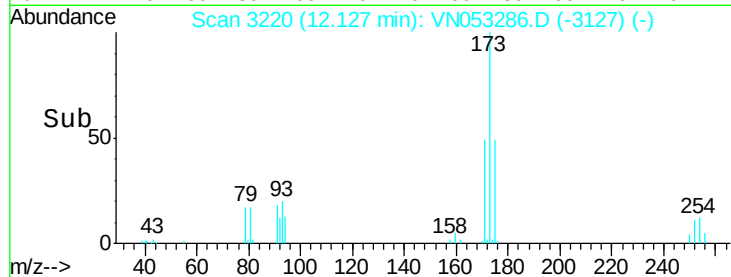
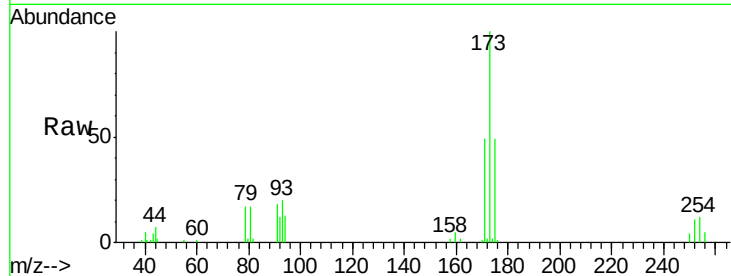
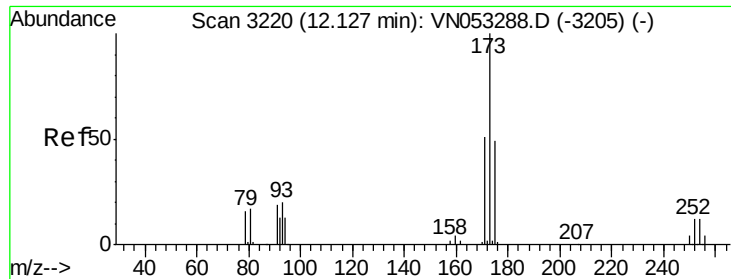
MMDadoda
1/8/2019 10:24:01 AM



#70
Styrene
Concen: 4.479 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Tgt Ion:104 Resp: 126247
Ion Ratio Lower Upper
104 100
78 49.1 38.5 57.7
103 56.9 44.5 66.7





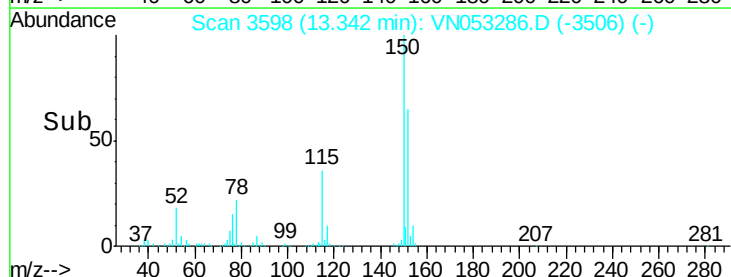
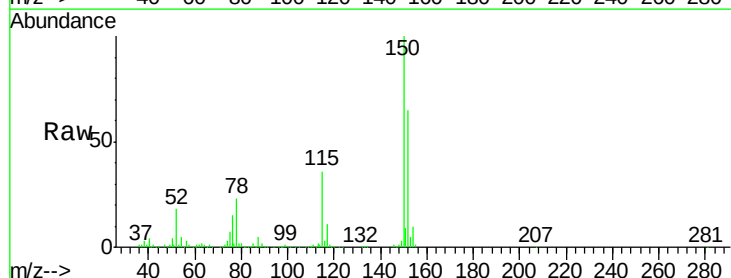
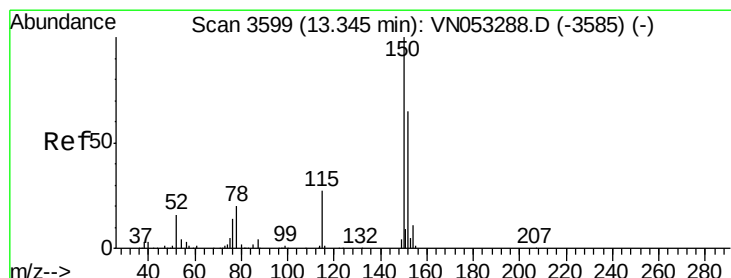
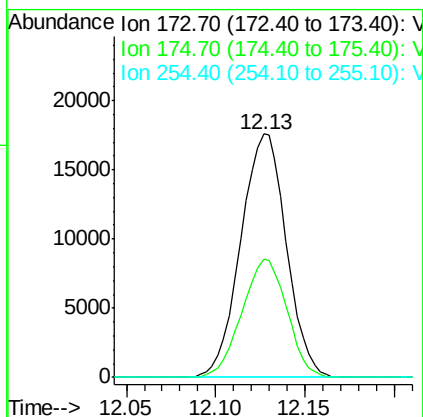
#71
Bromoform
Concen: 4.625 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.3	72.8
254	0.0	0.2	0.2

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

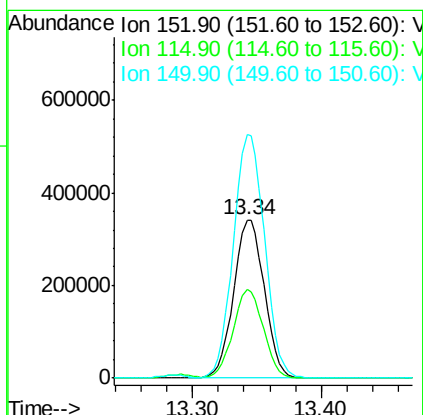
Manual Integrations
APPROVED

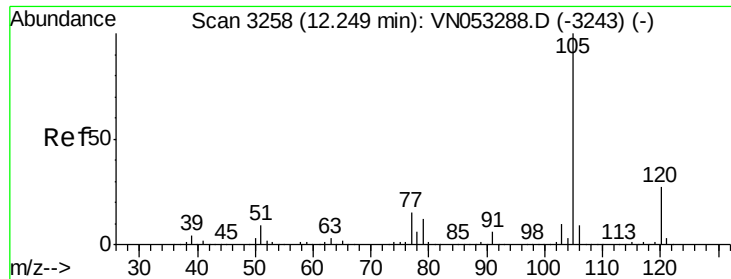
MMDadoda
1/8/2019 10:24:01 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	28.0	84.0
150	157.4	0.0	346.6





#73

Isopropylbenzene

Concen: 4.828 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 105 Resp: 206191

Ion Ratio Lower Upper

105 100

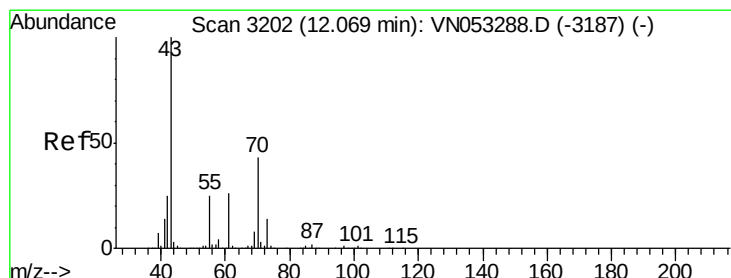
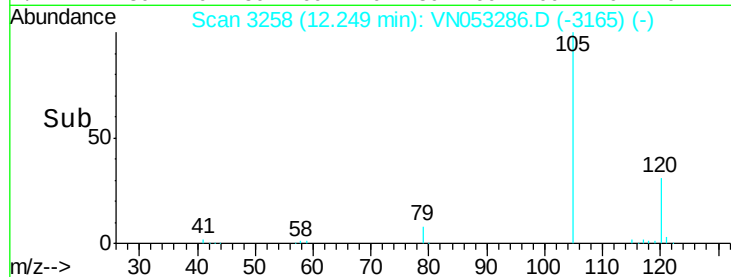
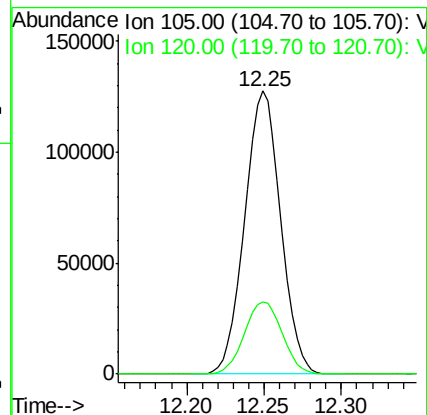
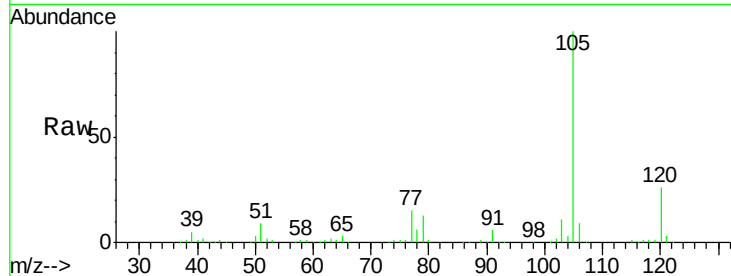
120 26.9 13.4 40.2

Manual Integrations

APPROVED

MMDadoda

1/8/2019 10:24:01 AM



#74

N-ethyl acetate

Concen: 4.594 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Tgt Ion: 43 Resp: 59909

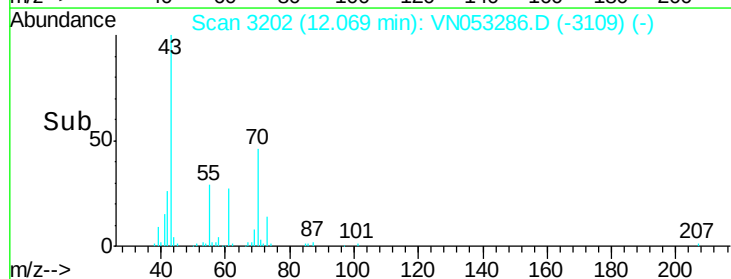
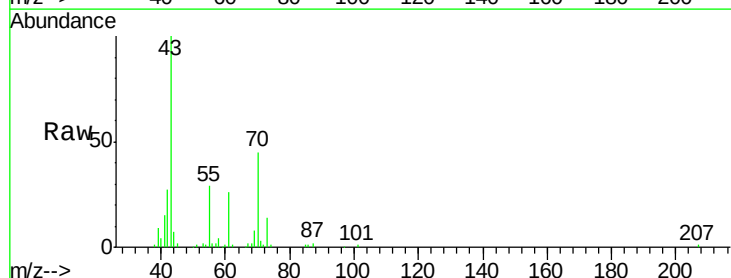
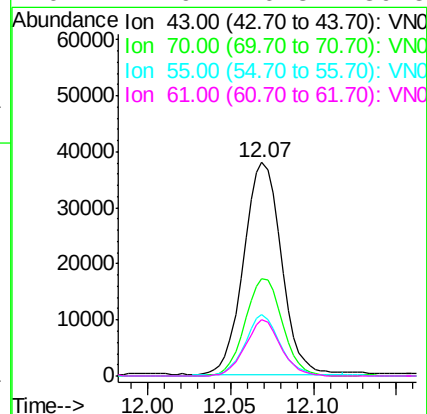
Ion Ratio Lower Upper

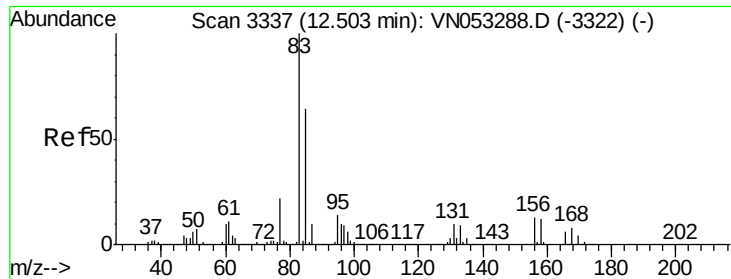
43 100

70 45.5 35.0 52.6

55 27.1 20.0 30.0

61 24.9 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 5.150 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Instrument :

MSVOA_N

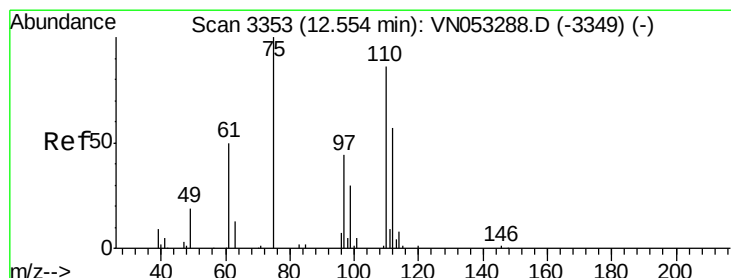
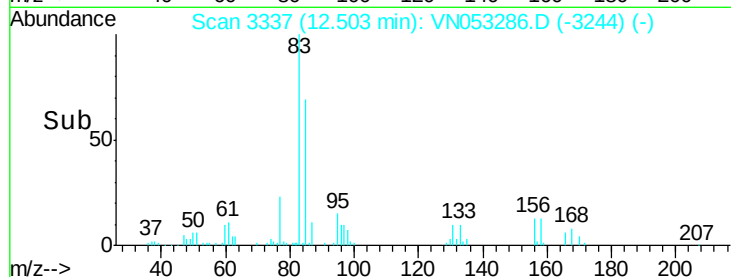
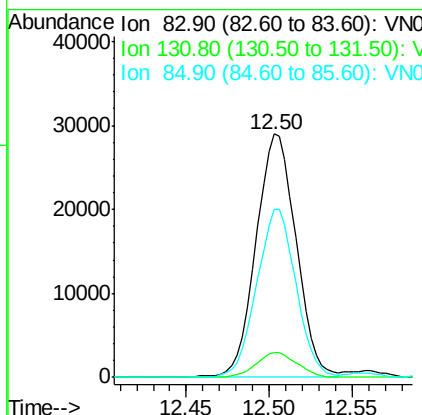
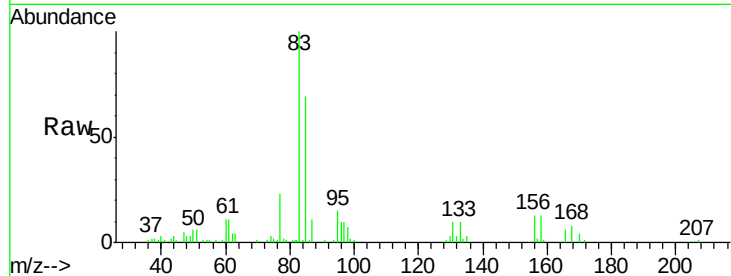
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	48687
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.3	15.9
85	67.7	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
1/8/2019 10:24:01 AM



#76

1,2,3-Trichloropropane

Concen: 5.101 ug/l m

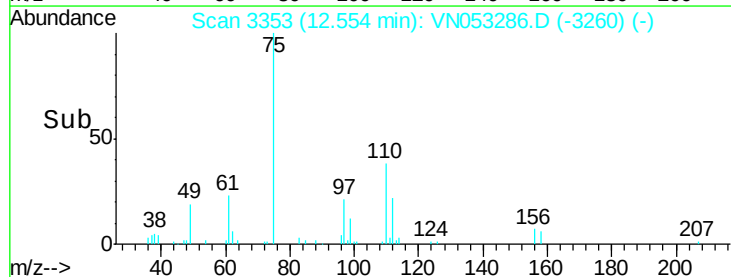
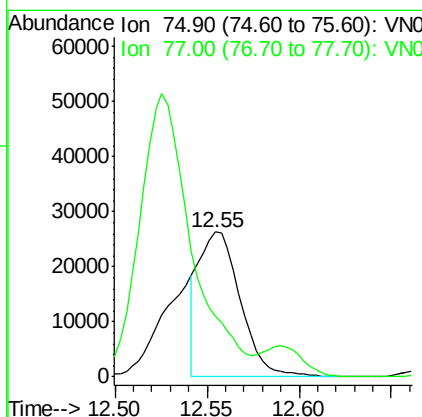
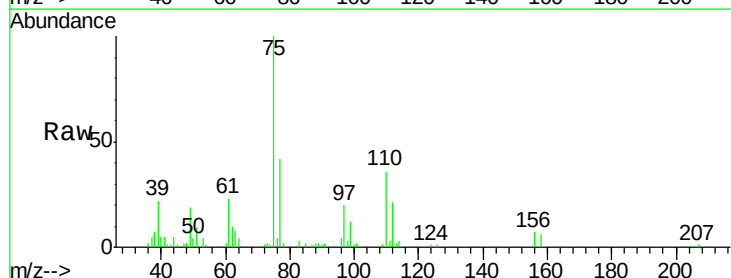
RT: 12.55 min Scan# 3353

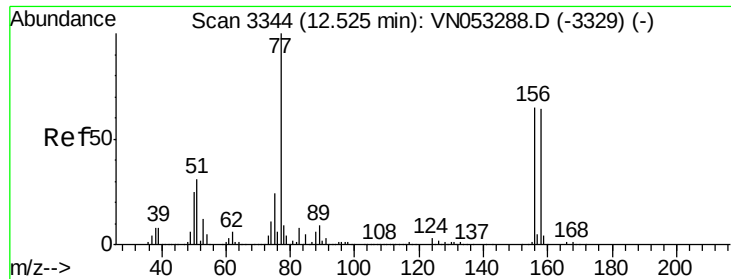
Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Tgt Ion:	75	Resp:	40831
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.033 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Instrument :

MSVOA_N

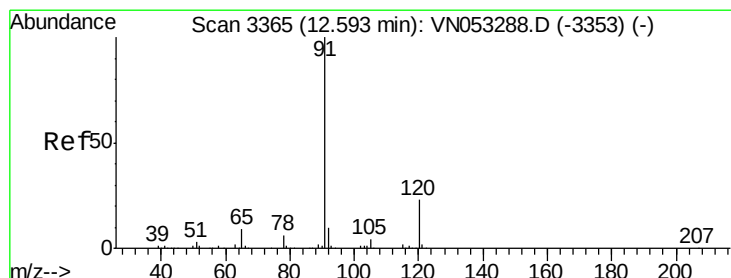
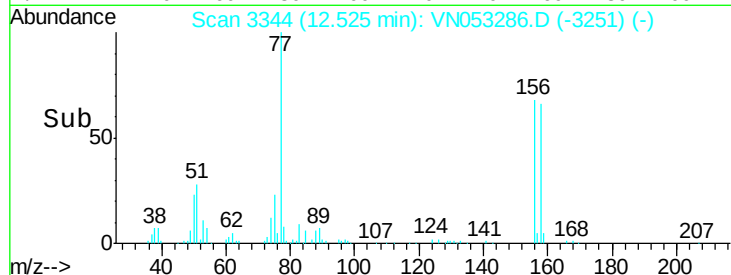
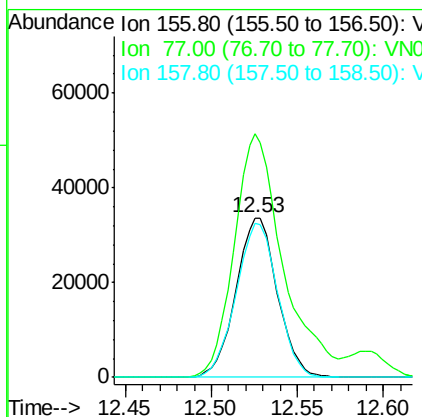
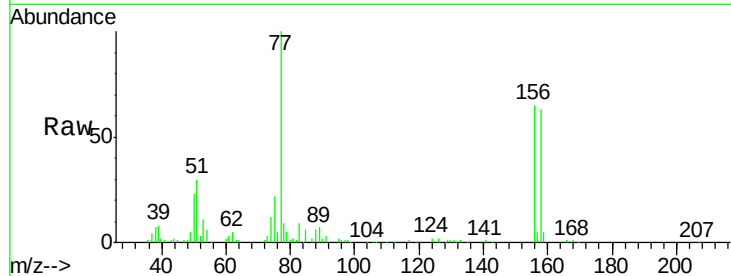
ClientSampled :

VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	181.1	89.3	268.1		
158	97.3	48.9	146.8		

Manual Integrations
APPROVED

MMDadoda
1/8/2019 10:24:01 AM



#78

n-propylbenzene

Concen: 4.700 ug/l

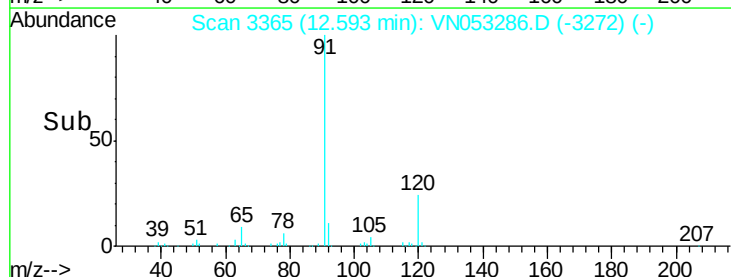
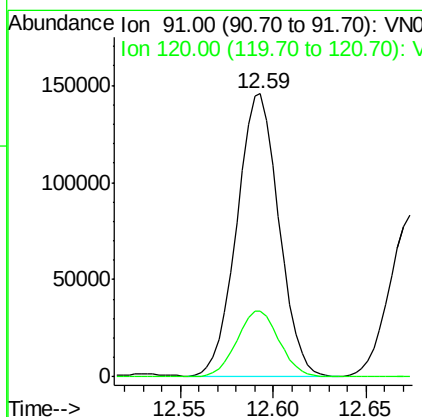
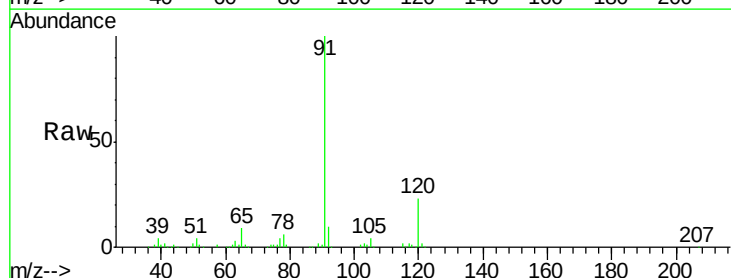
RT: 12.59 min Scan# 3365

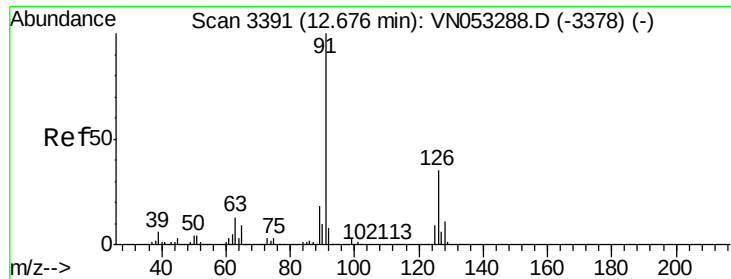
Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	23.6	11.5	34.5		





#79

2-Chlorotoluene

Concen: 5.011 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 144155

Ion Ratio Lower Upper

91 100

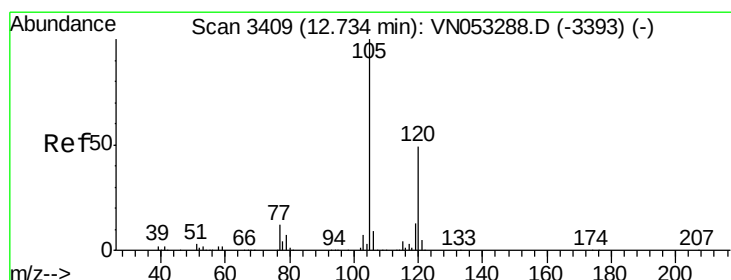
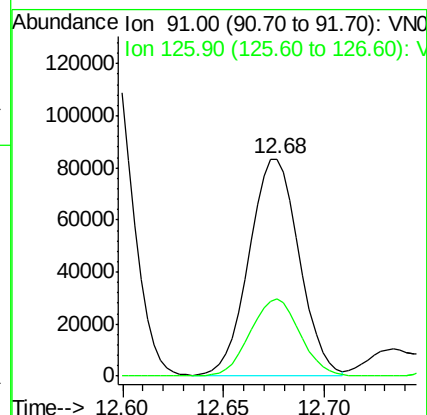
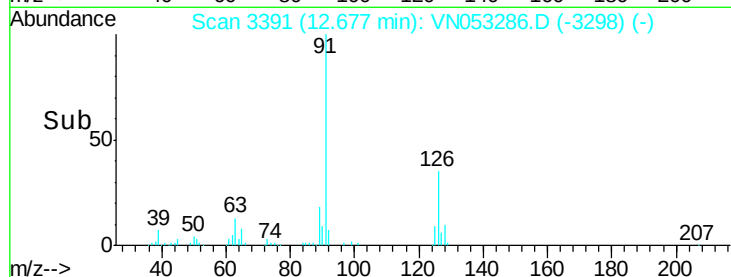
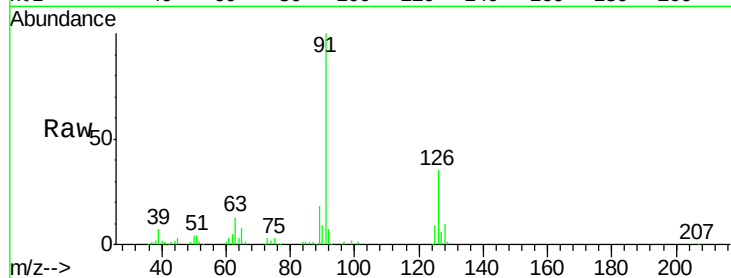
126 35.4 17.5 52.5

Manual Integrations

APPROVED

MMDadoda

1/8/2019 10:24:01 AM



#80

1,3,5-Trimethylbenzene

Concen: 4.812 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053286.D

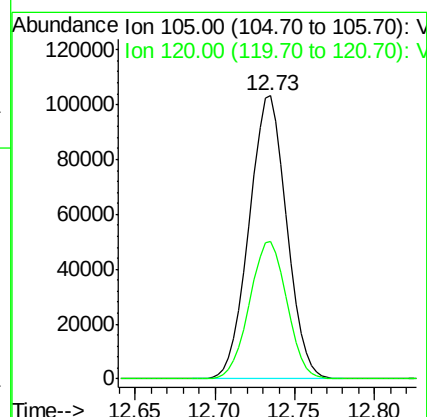
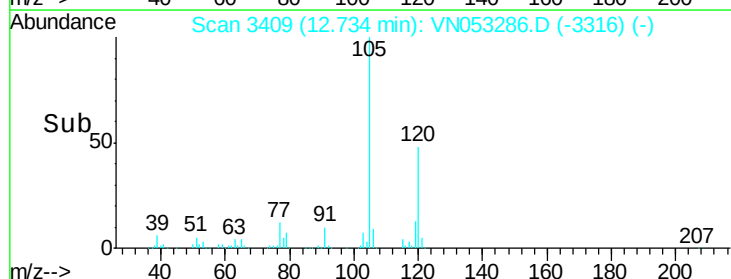
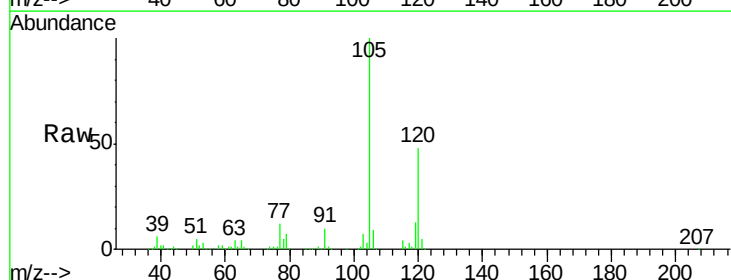
Acq: 4 Jan 2019 17:42

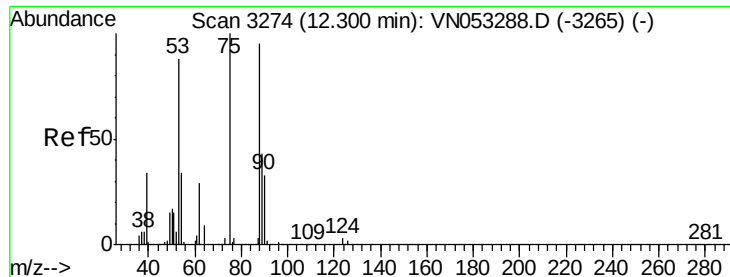
Tgt Ion: 105 Resp: 165476

Ion Ratio Lower Upper

105 100

120 48.4 24.7 74.1





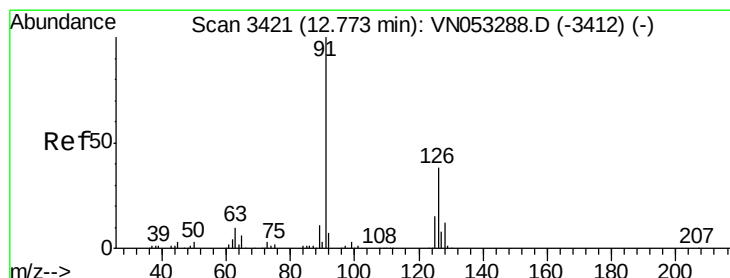
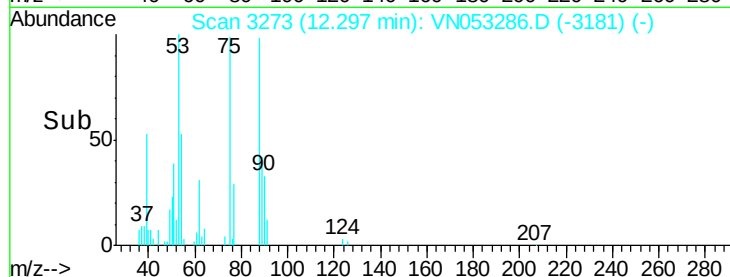
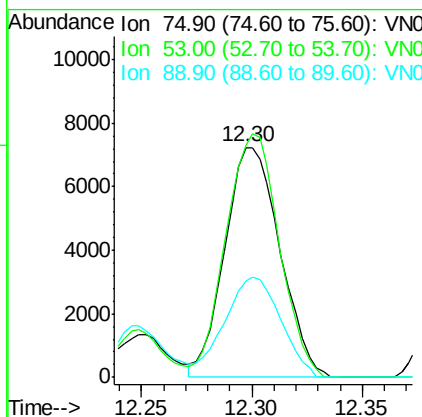
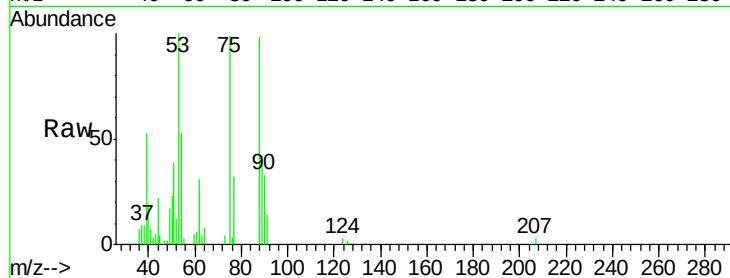
#81
trans-1,4-Dichloro-2-butene
Concen: 4.202 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.5	70.5	105.7
89	44.5	35.4	53.0

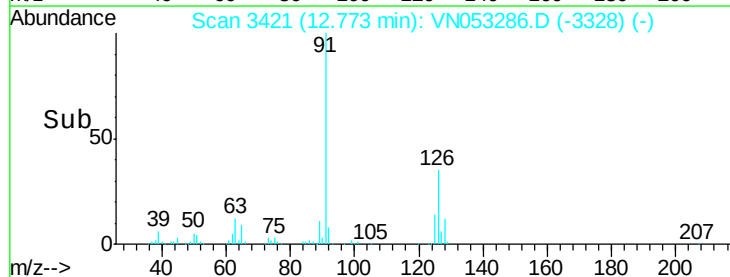
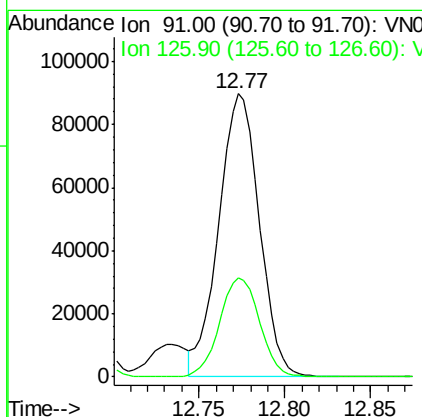
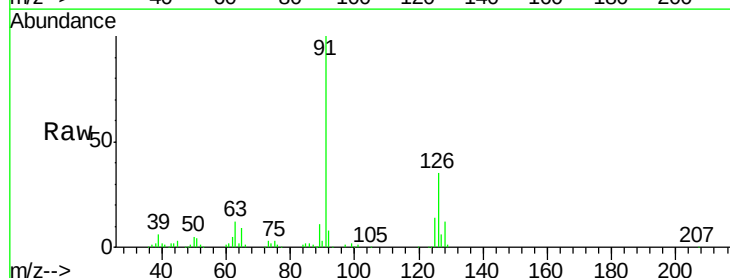
Manual Integrations
APPROVED

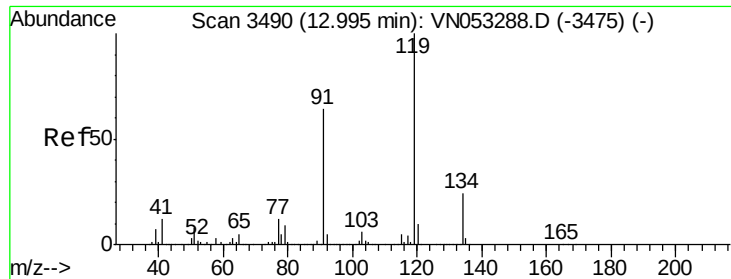
MMDadoda
1/8/2019 10:24:01 AM



#82
4-Chlorotoluene
Concen: 5.002 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.4	52.2





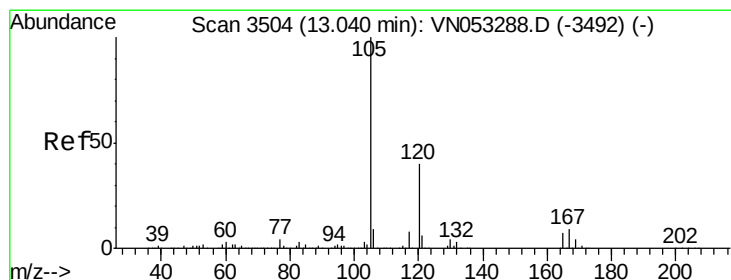
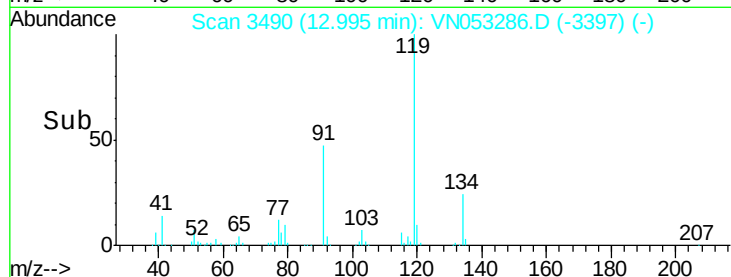
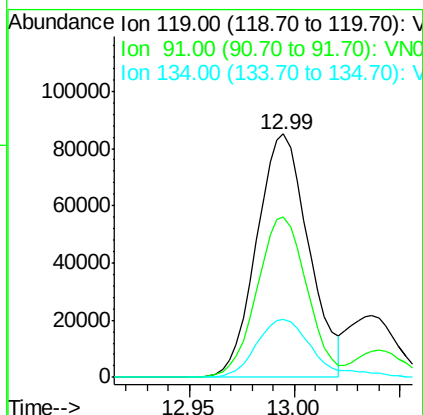
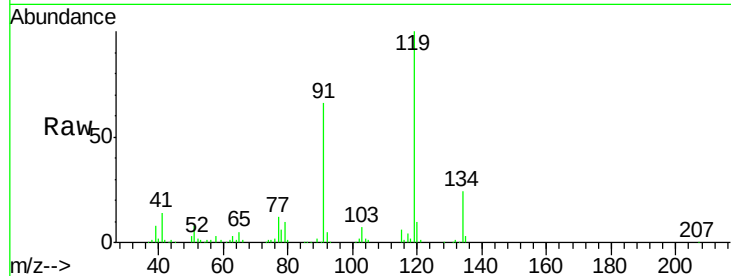
#83
 tert-Butylbenzene
 Concen: 4.919 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053286.D
 Acq: 4 Jan 2019 17:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	31.6	95.0
134	25.9	12.9	38.6

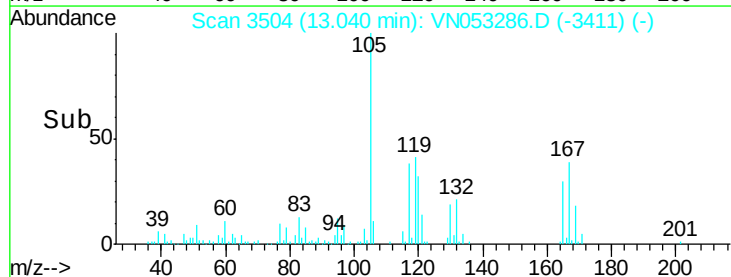
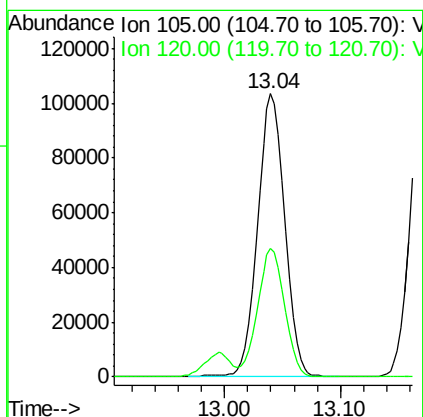
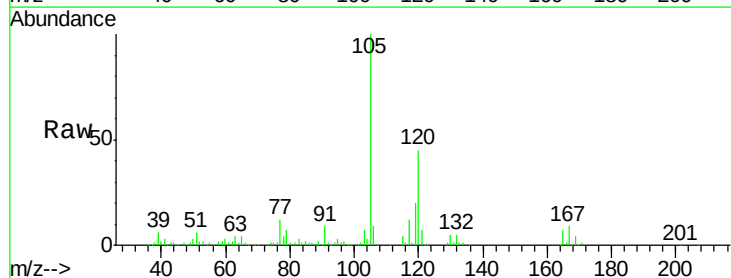
Manual Integrations
 APPROVED

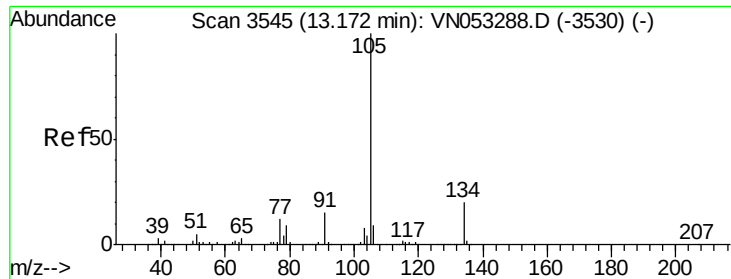
MMDadoda
 1/8/2019 10:24:01 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 4.824 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053286.D
 Acq: 4 Jan 2019 17:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	23.0	69.0





#85

sec-Butylbenzene

Concen: 4.863 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 192628

Ion Ratio Lower Upper

105 100

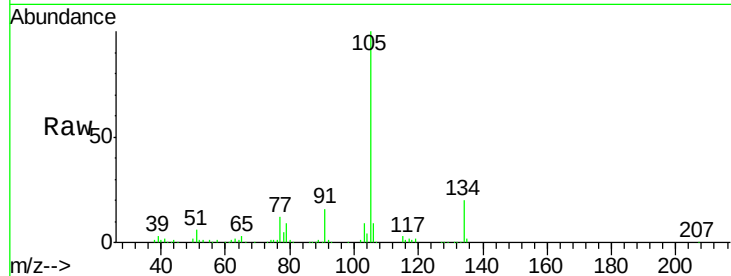
134 20.2 10.2 30.6

Manual Integrations

APPROVED

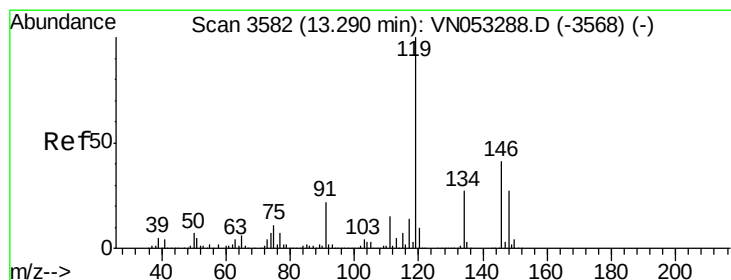
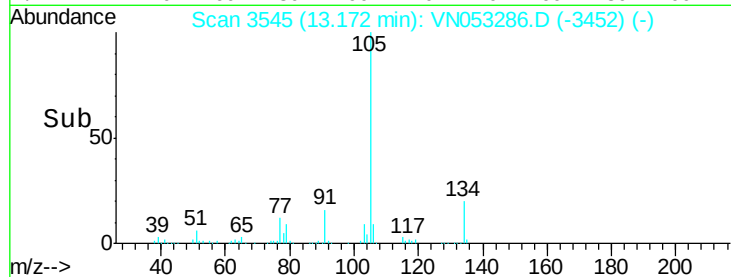
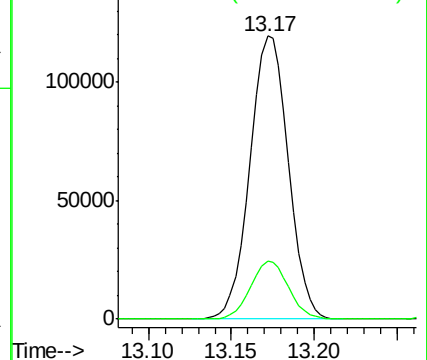
MMDadoda

1/8/2019 10:24:01 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.734 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

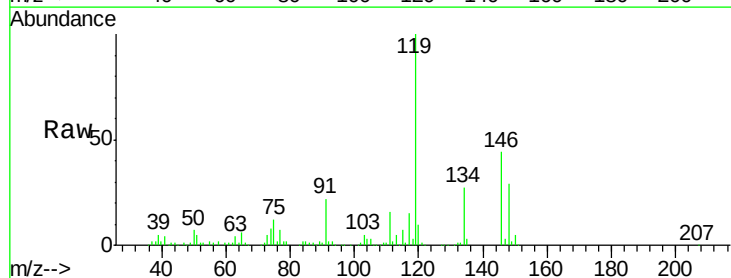
Tgt Ion:119 Resp: 164631

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

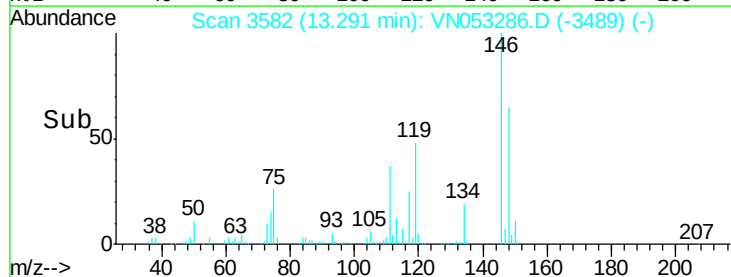
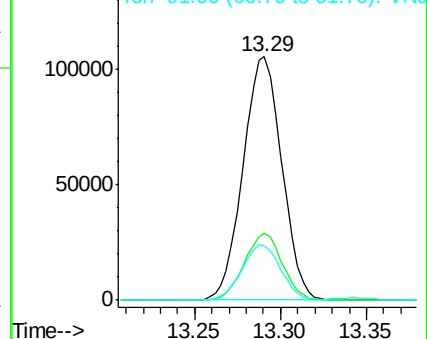
91 22.9 11.1 33.1

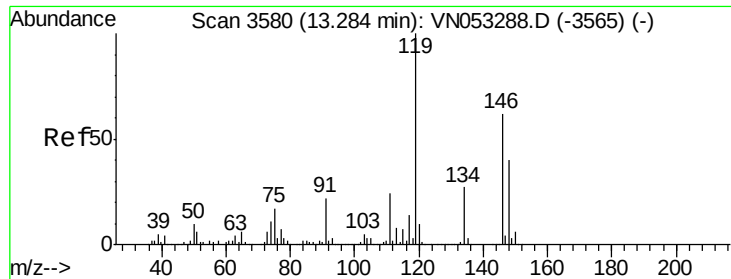


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





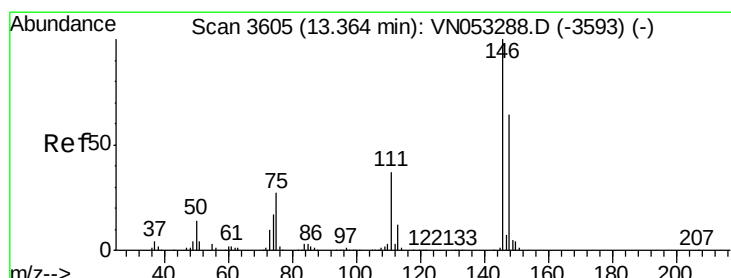
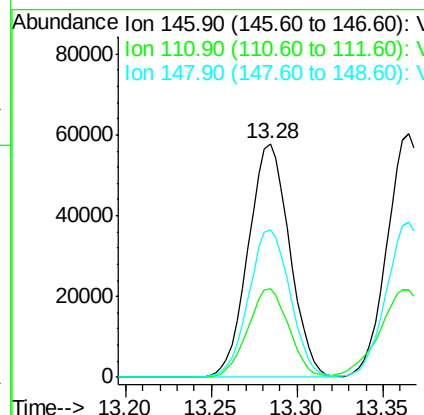
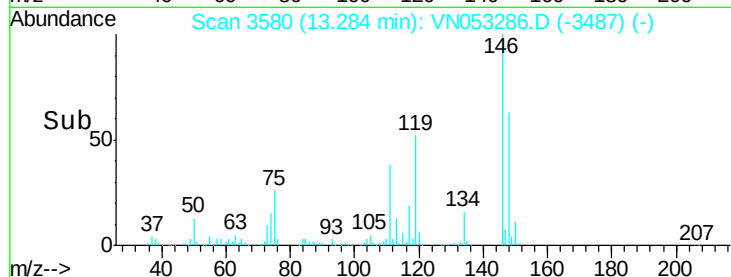
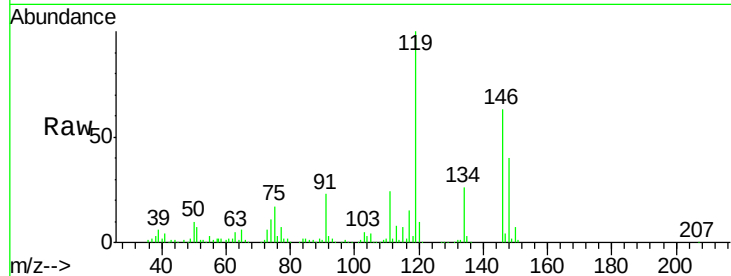
#87
 1,3-Dichlorobenzene
 Concen: 4.956 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053286.D
 Acq: 4 Jan 2019 17:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.5
148	63.5	32.0	96.2

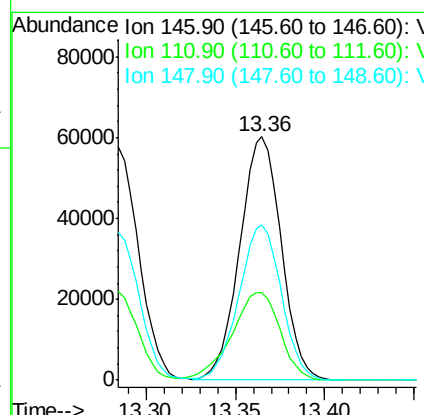
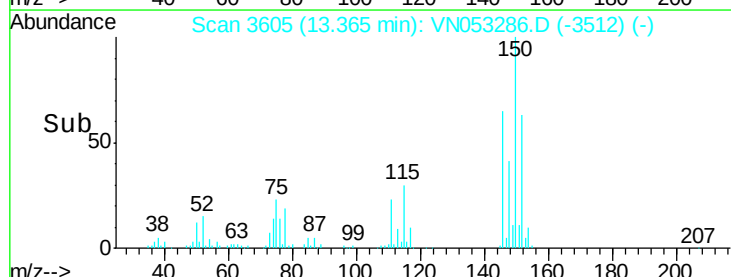
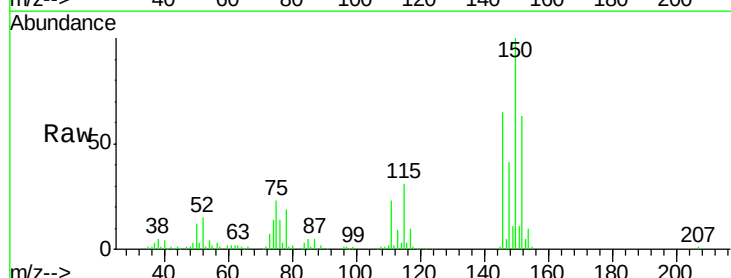
Manual Integrations
 APPROVED

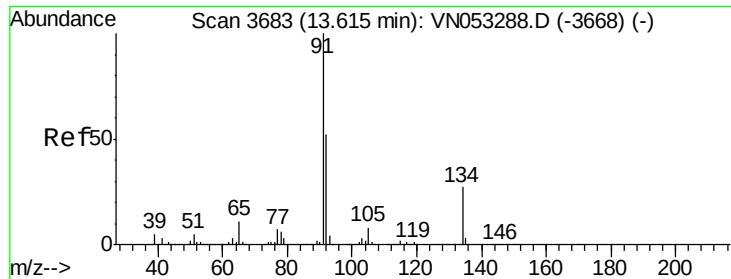
MMDadoda
 1/8/2019 10:24:01 AM



#88
 1,4-Dichlorobenzene
 Concen: 5.052 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053286.D
 Acq: 4 Jan 2019 17:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	18.6	55.8
148	65.3	32.0	96.0





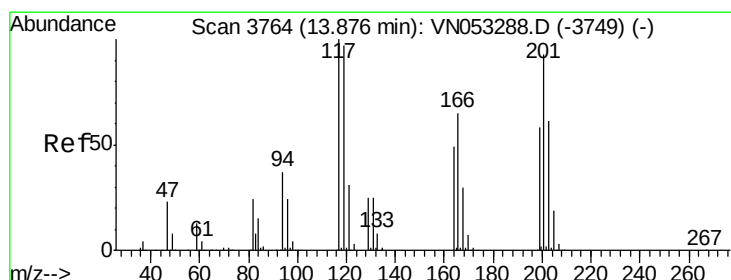
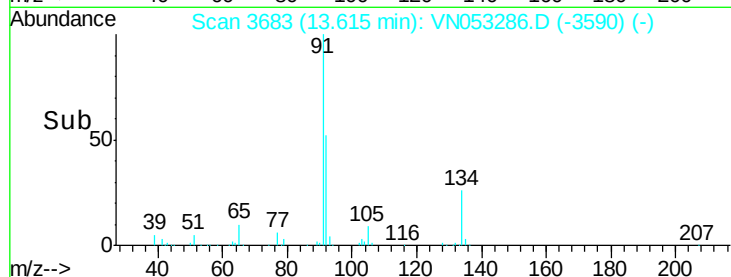
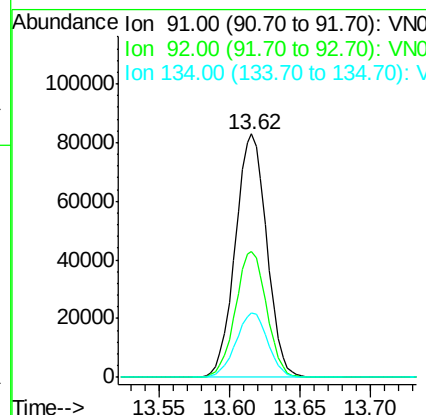
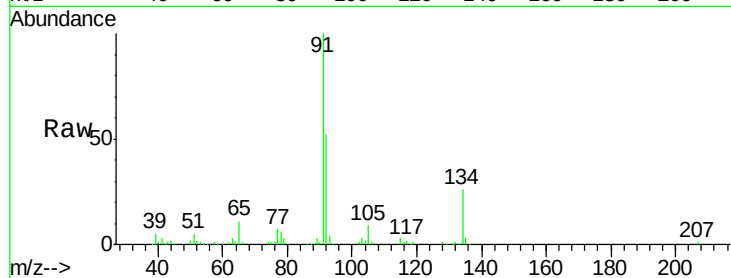
#89
n-Butylbenzene
Concen: 4.493 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.3	78.8
134	26.8	13.5	40.5

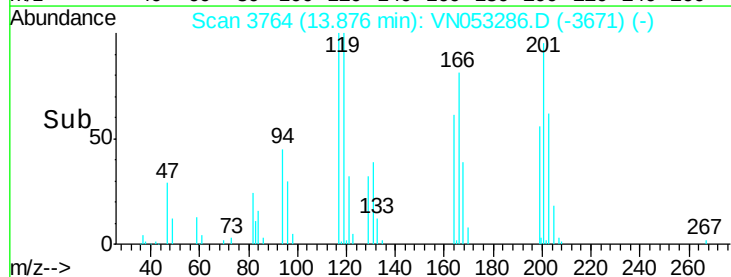
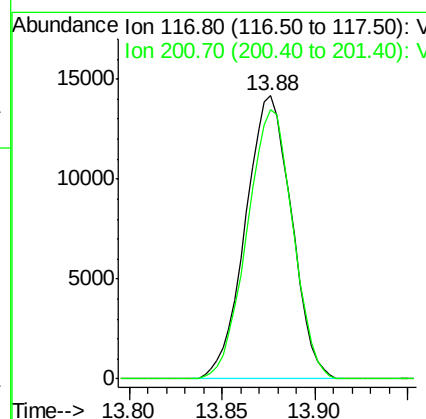
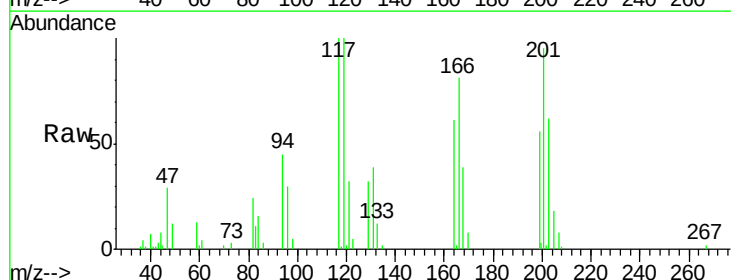
Manual Integrations
APPROVED

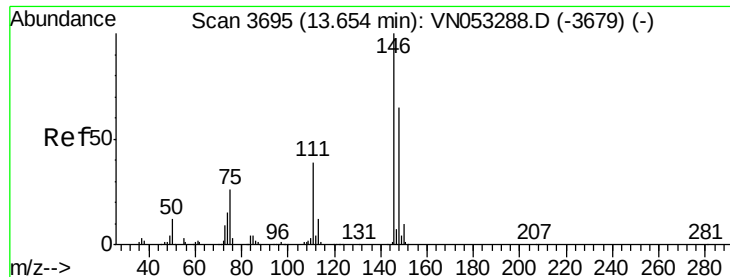
MMDadoda
1/8/2019 10:24:01 AM



#90
Hexachloroethane
Concen: 4.418 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053286.D
Acq: 4 Jan 2019 17:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.5	46.1	138.3





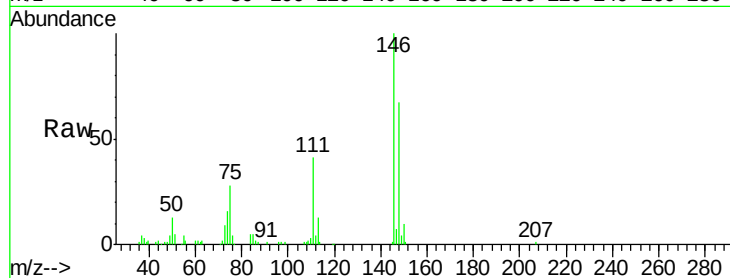
#91
 1,2-Dichlorobenzene
 Concen: 4.876 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053286.D
 Acq: 4 Jan 2019 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

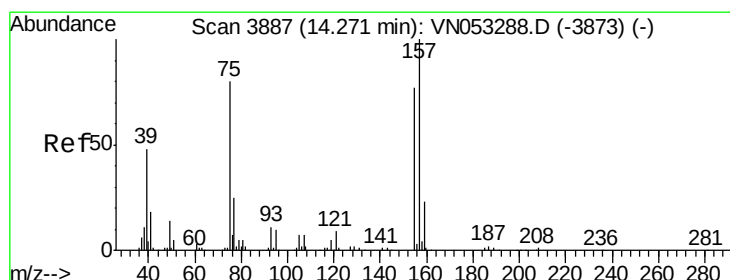
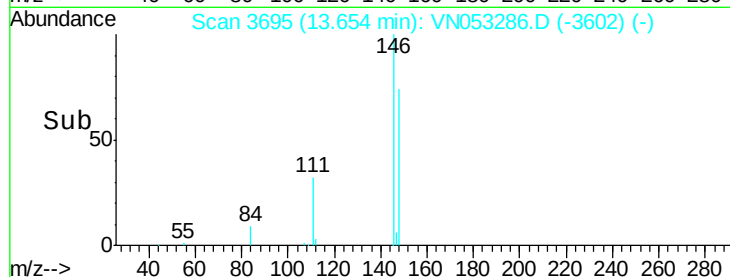
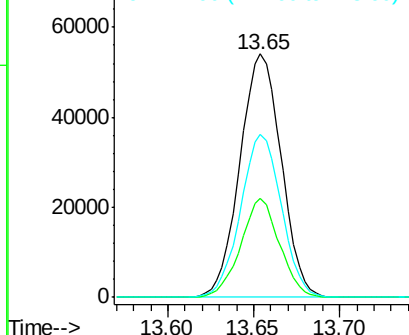
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.4	58.2
148	66.0	32.2	96.6

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 10:24:01 AM

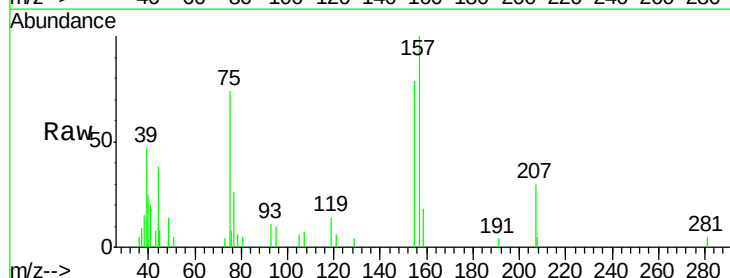


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

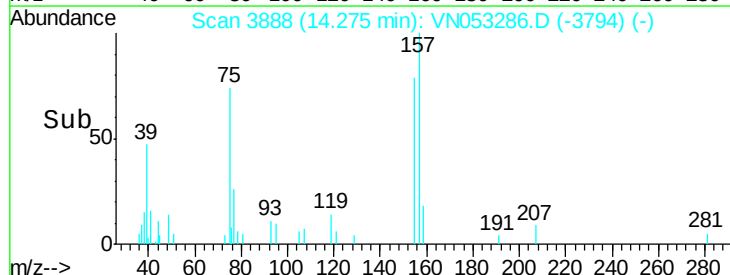
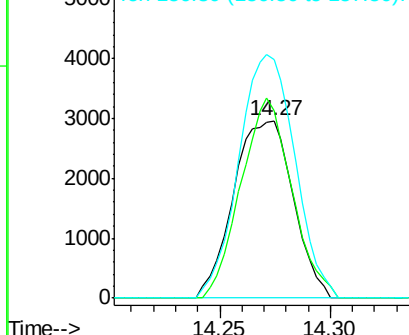


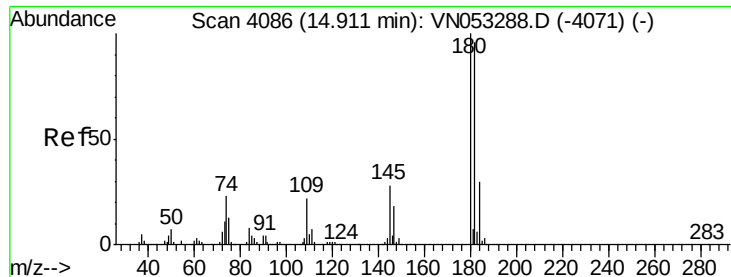
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.470 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN053286.D
 Acq: 4 Jan 2019 17:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.6	48.1	144.3
157	129.8	61.5	184.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





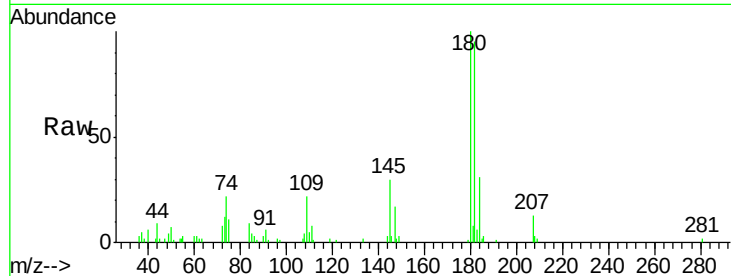
#93
 1,2,4-Trichlorobenzene
 Concen: 4.086 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053286.D
 Acq: 4 Jan 2019 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

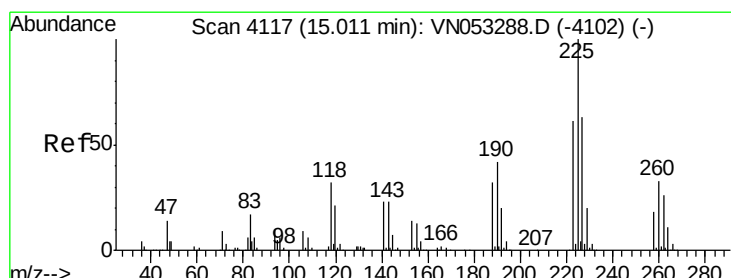
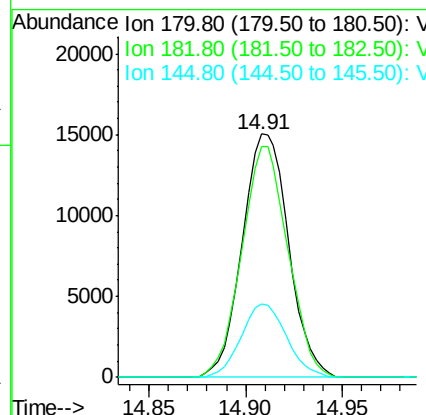
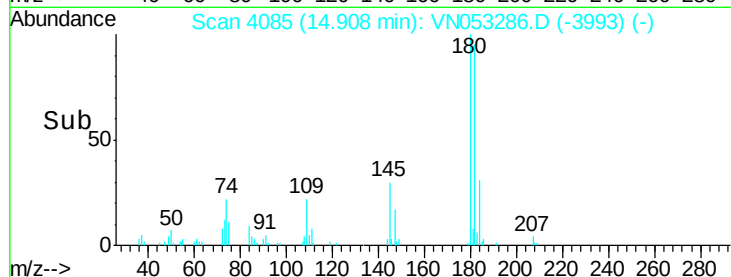
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.8	143.4
145	29.5	14.4	43.0

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 10:24:01 AM

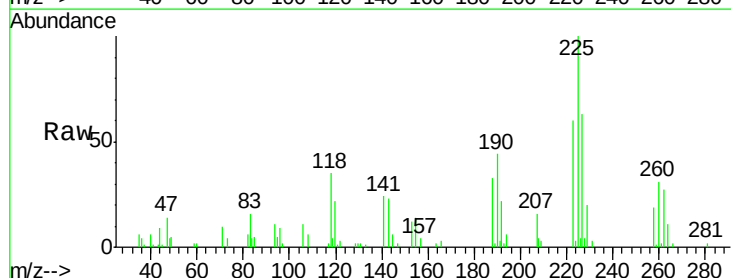


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

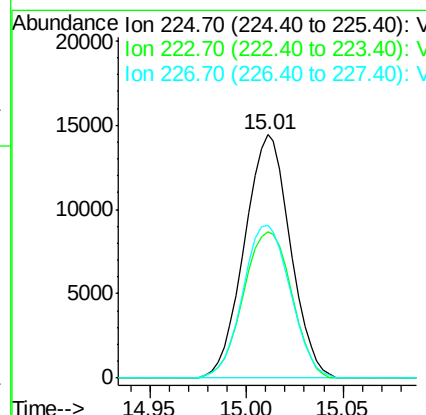
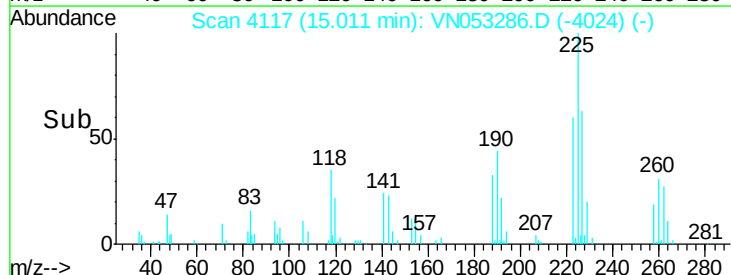


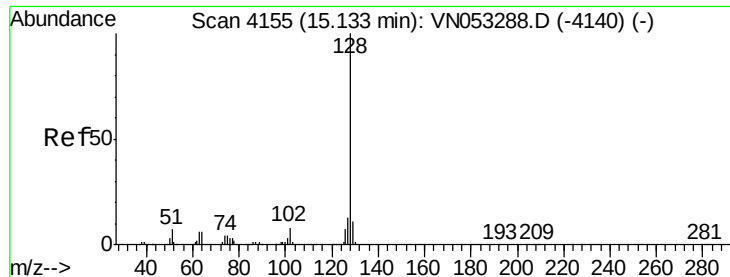
#94
 Hexachlorobutadiene
 Concen: 4.887 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053286.D
 Acq: 4 Jan 2019 17:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	30.9	92.8
227	65.5	31.4	94.2



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





#95

Naphthalene

Concen: 3.730 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Instrument :

MSVOA_N

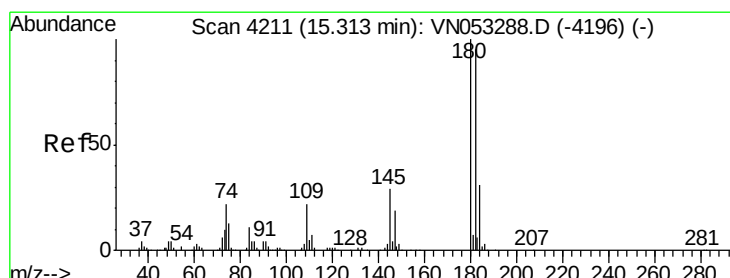
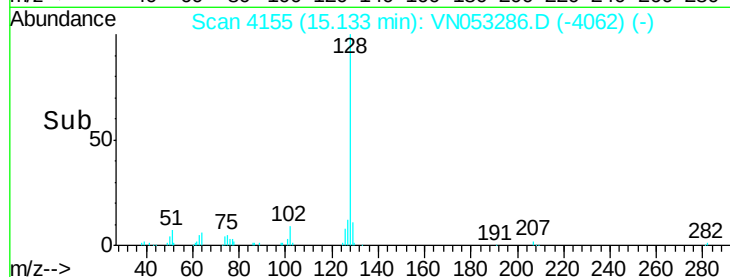
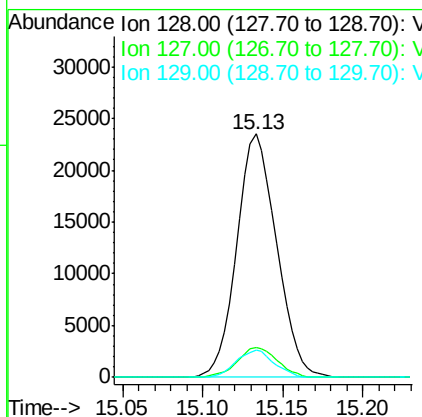
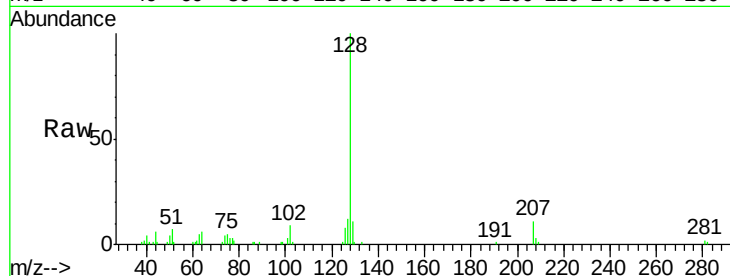
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	39760
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.4	15.6
129	10.5	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/8/2019 10:24:01 AM



#96

1,2,3-Trichlorobenzene

Concen: 3.966 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053286.D

Acq: 4 Jan 2019 17:42

Tgt Ion:	180	Resp:	15669
Ion Ratio	Lower	Upper	
180	100		
182	97.8	48.4	145.0
145	29.2	14.9	44.5

