

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
 Data File : VN051485.D
 Acq On : 25 Sep 2018 15:16
 Operator : MD\SY
 Sample : VN0925WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0925WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:21:33 AM

Quant Time: Sep 26 03:32:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	125296	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	670666	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	573894	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	256394	29.73	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.10%
60) 4-Bromofluorobenzene	12.40	95	260629	30.93	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.10%
63) Toluene-d8	10.09	98	843452	30.65	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	97585	18.185	ug/l 99
3) Chloromethane	2.06	50	177129	19.198	ug/l 97
4) Vinyl Chloride	2.18	62	193426	19.647	ug/l 97
5) Bromomethane	2.57	94	126008	19.583	ug/l 85
6) Chloroethane	2.71	64	124825	20.570	ug/l 97
7) Trichlorofluoromethane	3.02	101	264292	20.682	ug/l 95
8) Diethyl Ether	3.41	74	79025	20.568	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	137703	21.220	ug/l # 43
10) 1,1-Dichloroethene	3.74	96	124710	21.098	ug/l 96
11) Methyl Iodide	3.96	142	173326	19.885	ug/l 96
12) Methyl Acetate	4.33	43	112978	21.746	ug/l 91
13) Acrolein	3.61	56	77136	111.345	ug/l 91
14) Acrylonitrile	4.99	53	229190	108.600	ug/l # 59
15) Acetone	3.82	58	57270	110.184	ug/l 97
16) Carbon Disulfide	4.05	76	367601	19.607	ug/l 99
17) Allyl chloride	4.33	41	219425	21.029	ug/l 97
18) Methylene Chloride	4.55	84	148389	21.021	ug/l 93
19) trans-1,2-Dichloroethene	5.05	96	135939	21.245	ug/l 97
20) Diisopropyl ether	5.96	45	473157	22.837	ug/l # 84
21) 1,1-Dichloroethane	5.85	63	274754	22.015	ug/l 96
22) cis-1,2-Dichloroethene	6.83	96	154336	21.555	ug/l 96
23) tert-Butyl Alcohol	4.79	59	44327	111.537	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	350852	21.793	ug/l # 61
25) Chloroform	7.37	83	269890	21.682	ug/l 98
26) Cyclohexane	7.66	56	225818	21.253	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	199676	21.145	ug/l 99
30) 2-Butanone	6.84	43	266934	109.434	ug/l # 98
31) 2,2-Dichloropropane	6.83	77	221551	21.995	ug/l # 80
32) 1,1,1-Trichloroethane	7.57	97	231234	21.449	ug/l 98
33) Carbon Tetrachloride	7.78	117	210564	21.287	ug/l 94
34) Benzene	8.04	78	598189	21.337	ug/l # 70
35) Methacrylonitrile	7.19	41	68420m	19.465	ug/l
36) 1,2-Dichloroethane	8.13	62	202230	22.153	ug/l 99
37) Trichloroethene	8.84	130	155636	20.945	ug/l 99
38) Methylcyclohexane	9.08	83	223357	20.404	ug/l 95
39) 1,2-Dichloropropane	9.12	63	165184	21.659	ug/l 94
40) Dibromomethane	9.21	93	93240	21.480	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
 Data File : VN051485.D
 Acq On : 25 Sep 2018 15:16
 Operator : MD\SY
 Sample : VN0925WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:21:33 AM

Quant Time: Sep 26 03:32:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	201739	21.138	ug/l	92
42) Vinyl Acetate	5.90	43	1470595	108.423	ug/l	99
43) Ethyl Acetate	6.93	43	116106	22.877	ug/l	97
44) Isopropyl Acetate	8.17	43	210804	21.596	ug/l	99
45) 1,4-Dioxane	9.20	88	24936	419.908	ug/l	93
46) Methyl methacrylate	9.20	41	100492	20.789	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	203180	21.440	ug/l	95
49) cis-1,3-Dichloropropene	9.84	75	234592	21.385	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	130839	21.081	ug/l	95
51) Ethyl methacrylate	10.43	69	154942	21.093	ug/l	100
52) 1,3-Dichloropropane	10.71	76	223544	21.349	ug/l	97
53) Dibromochloromethane	10.90	129	150098	21.024	ug/l	97
54) 1,2-Dibromoethane	11.01	107	123274	20.585	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	394546	108.775	ug/l	99
56) Bromoform	12.13	173	97507	20.258	ug/l	92
58) 4-Methyl-2-Pentanone	9.99	43	584247	115.841	ug/l	96
59) 2-Hexanone	10.75	43	375820	113.217	ug/l	96
61) Tetrachloroethene	10.63	164	145384	21.775	ug/l	96
62) Toluene	10.16	91	637265	21.691	ug/l	96
64) Chlorobenzene	11.43	112	390217	21.663	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.51	131	151858	21.806	ug/l	99
66) Ethyl Benzene	11.51	91	647652	21.368	ug/l	98
67) m/p-Xylenes	11.62	106	513477	44.007	ug/l	98
68) o-Xylene	11.95	106	248256	22.339	ug/l	92
69) Styrene	11.96	104	390904	22.268	ug/l	99
70) Isopropylbenzene	12.25	105	653673	21.978	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	157177	22.450	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	129617m	23.477	ug/l	
73) Bromobenzene	12.53	156	158811	21.187	ug/l	98
74) n-propylbenzene	12.59	91	744706	21.538	ug/l	99
75) 2-Chlorotoluene	12.67	91	447392	21.925	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	547104	22.293	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	39513	20.753	ug/l	99
78) 4-Chlorotoluene	12.77	91	434193	21.454	ug/l	97
79) tert-butylbenzene	12.99	119	467877	21.897	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	556771	22.568	ug/l	99
81) sec-Butylbenzene	13.17	105	645541	21.963	ug/l	98
82) p-Isopropyltoluene	13.29	119	558941	22.029	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	278272	21.166	ug/l	95
84) 1,4-Dichlorobenzene	13.36	146	263594	21.347	ug/l	97
85) n-Butylbenzene	13.62	91	427919	20.541	ug/l	96
86) Hexachloroethane	13.88	117	108448	21.329	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	276287	22.168	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	22928	22.189	ug/l #	93
89) 1,2,4-Trichlorobenzene	14.91	180	123350	19.869	ug/l	97
90) Hexachlorobutadiene	15.01	225	102818	21.370	ug/l	95
91) Naphthalene	15.13	128	209642	17.896	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	123198	19.658	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
Data File : VN051485.D
Acq On : 25 Sep 2018 15:16
Operator : MD\SY
Sample : VN0925WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Manual Integrations
APPROVED

MMDadoda
10/1/2018 11:21:33 AM

Quant Time: Sep 26 03:32:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 26 01:19:41 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

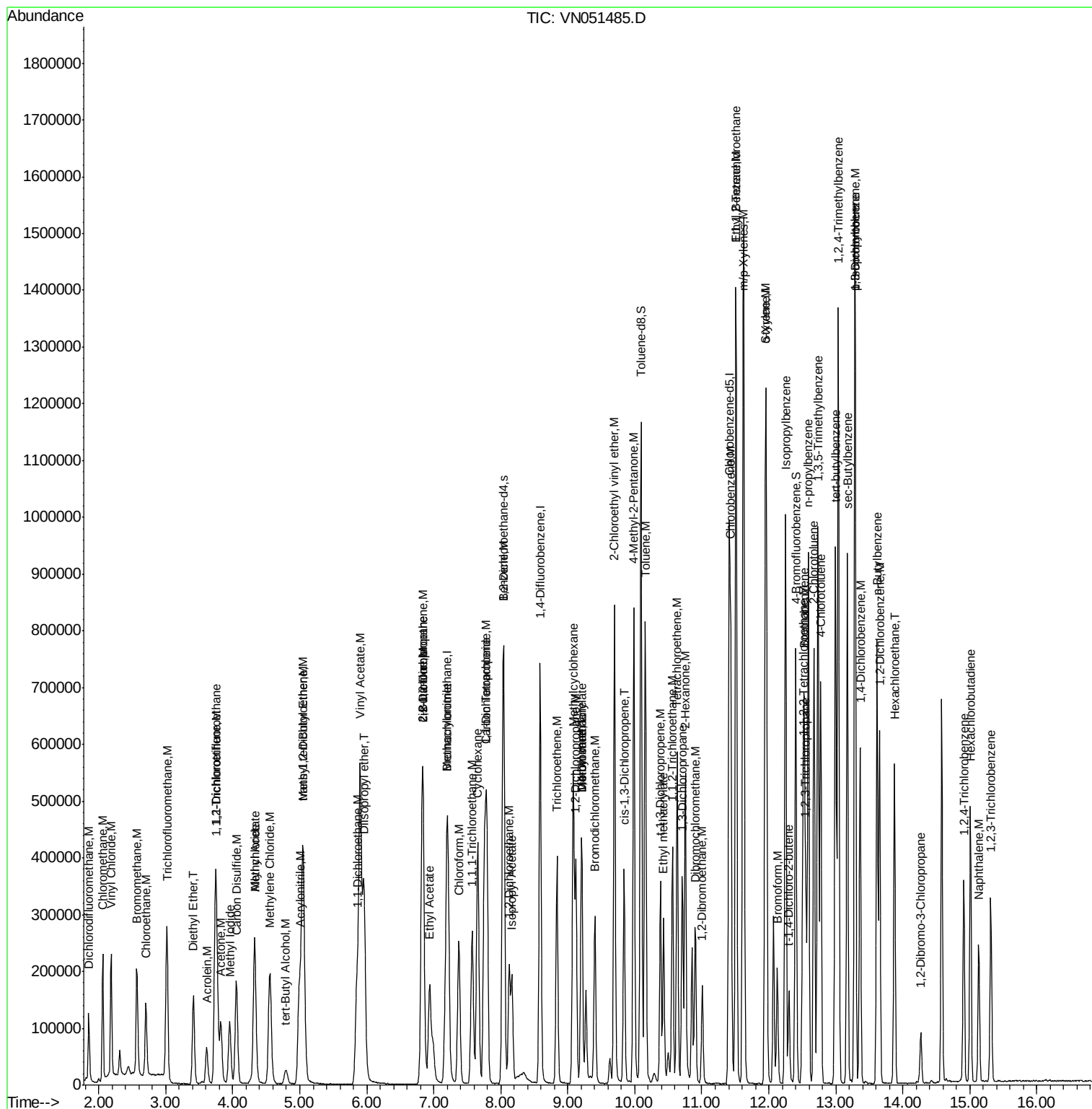
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
Data File : VN051485.D
Acq On : 25 Sep 2018 15:16
Operator : MD\SY
Sample : VN0925WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 1

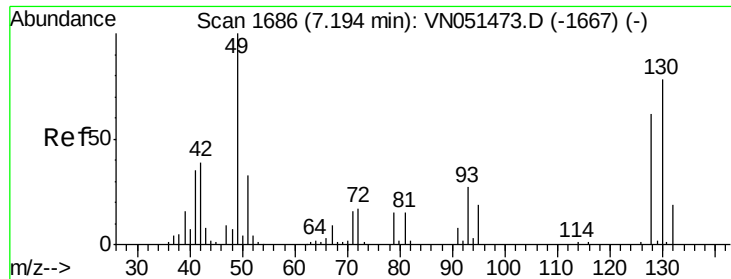
Instrument :
MSVOA_N
Client Sample Id :
VN0925WBSD01

Manual Integrations
APPROVED

MMDadoda
10/1/2018 11:21:33 AM

Quant Time: Sep 26 03:32:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 26 01:19:41 2018
Response via : Initial Calibration





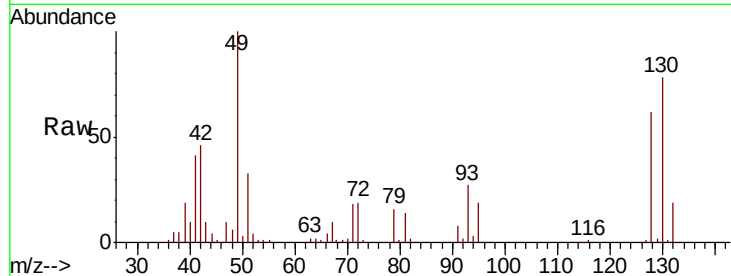
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	125296		
49	159.2	0.0	403.3	
130	128.9	0.0	326.0	

Manual Integrations
APPROVED

MMDadoda
10/1/2018 11:21:33 AM

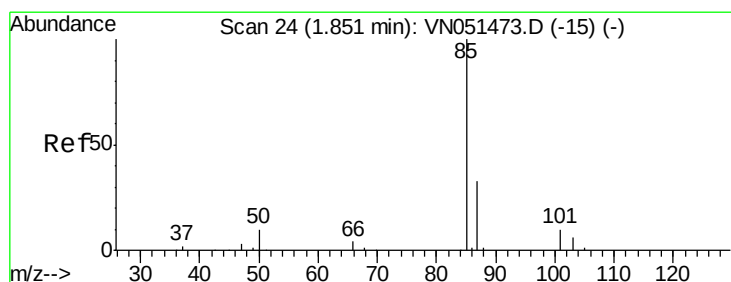
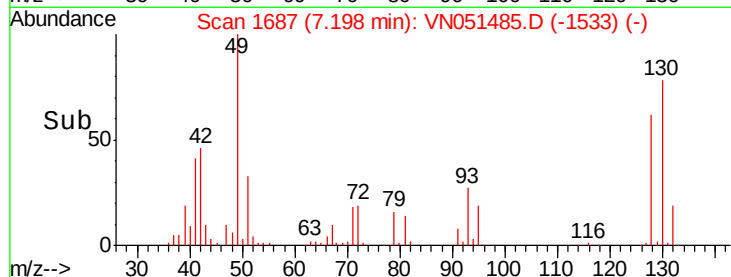
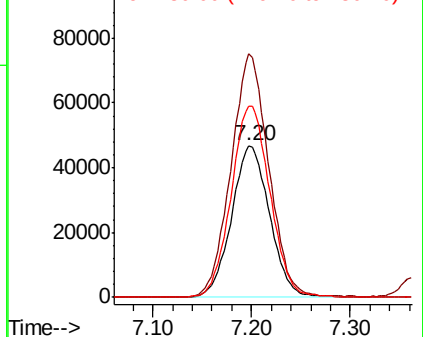


Abundance

Ion 128.00 (127.70 to 128.70): V

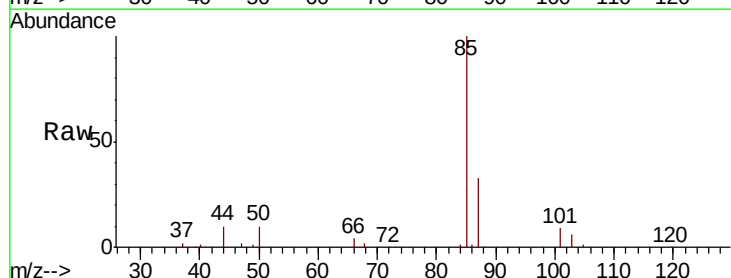
Ion 49.00 (48.70 to 49.70): V

Ion 130.00 (129.70 to 130.70): V



#2
Dichlorodifluoromethane
Concen: 18.185 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

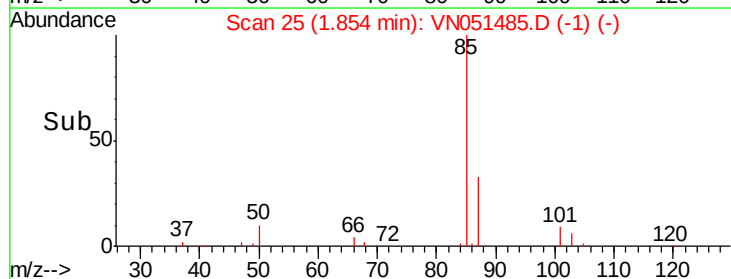
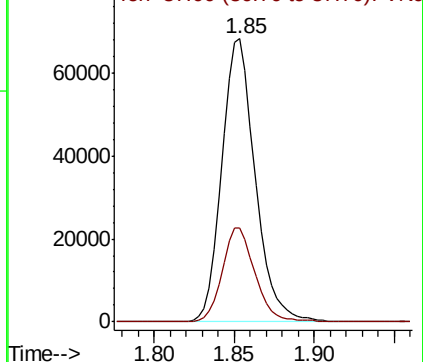
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	97585		
87	33.3	16.3	48.8	

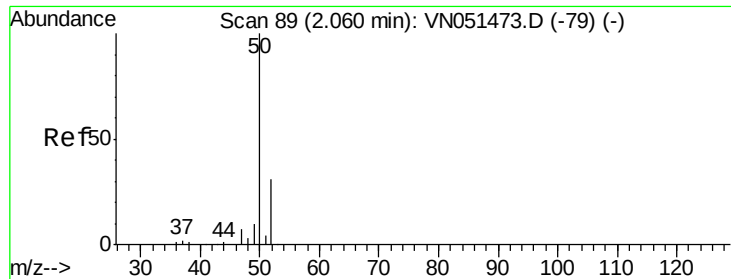


Abundance

Ion 85.00 (84.70 to 85.70): V

Ion 87.00 (86.70 to 87.70): V





#3

Chloromethane

Concen: 19.198 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion: 50 Resp: 177129

Ion Ratio Lower Upper

50 100

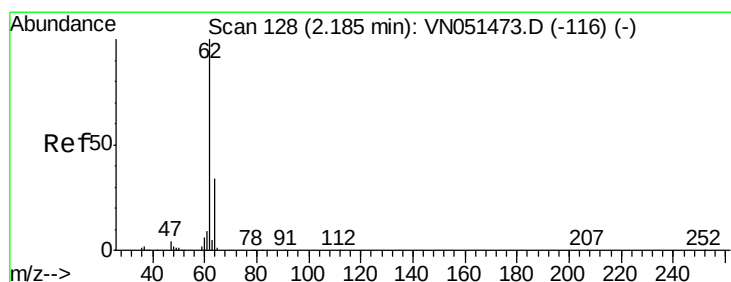
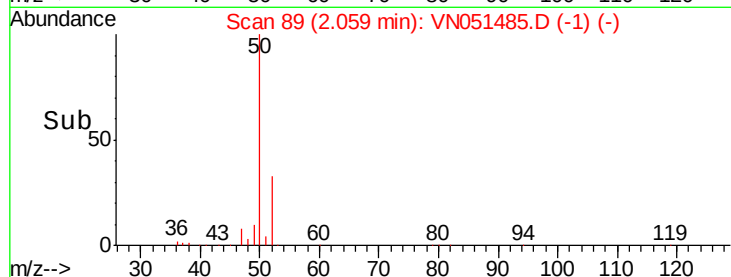
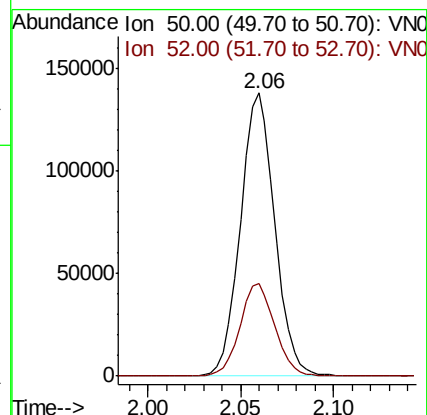
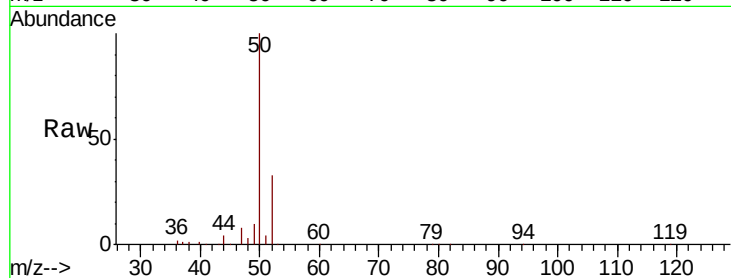
52 32.6 27.2 40.8

Manual Integrations

APPROVED

MMDadoda

10/1/2018 11:21:33 AM



#4

Vinyl Chloride

Concen: 19.647 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051485.D

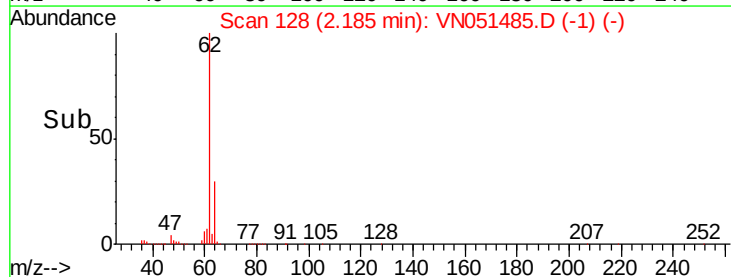
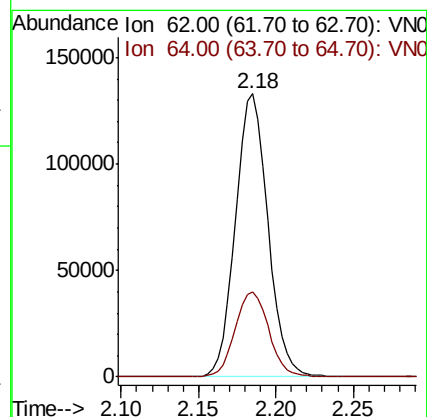
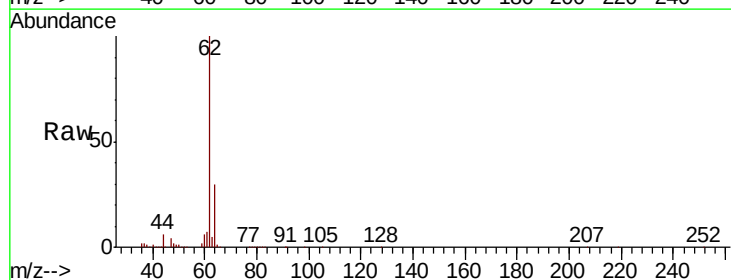
Acq: 25 Sep 2018 15:16

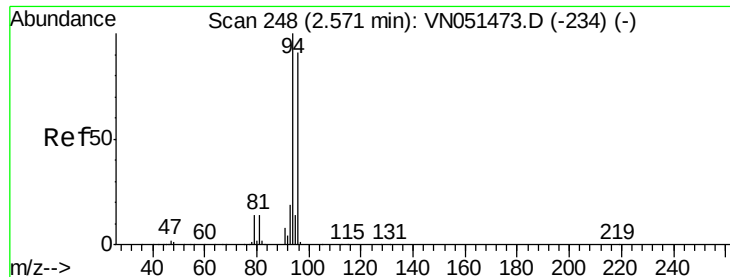
Tgt Ion: 62 Resp: 193426

Ion Ratio Lower Upper

62 100

64 29.9 25.4 38.2





#5

Bromomethane

Concen: 19.583 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampled :

VN0925WBSD01

Tot Ion: 94 Resp: 126008

Ion Ratio Lower Upper

94 100

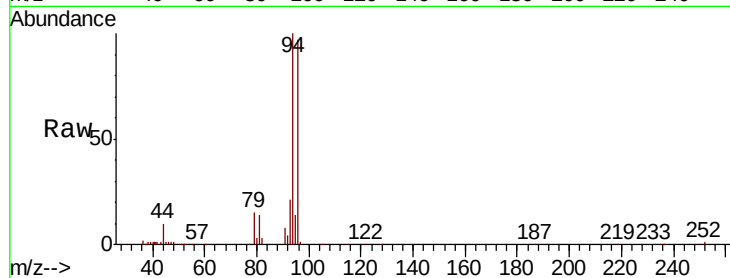
96 96.6 66.4 99.6

Manual Integrations

APPROVED

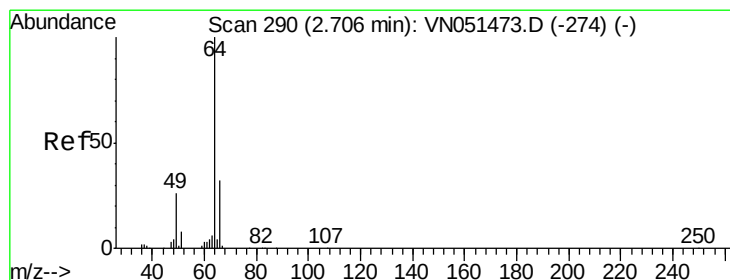
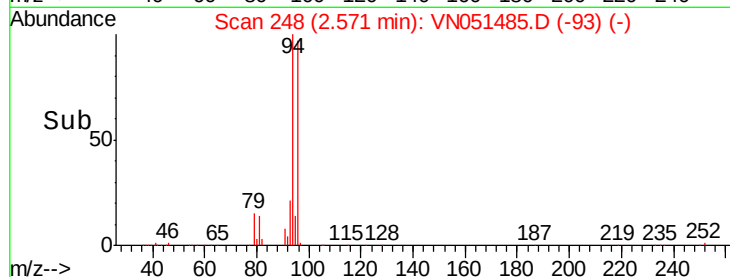
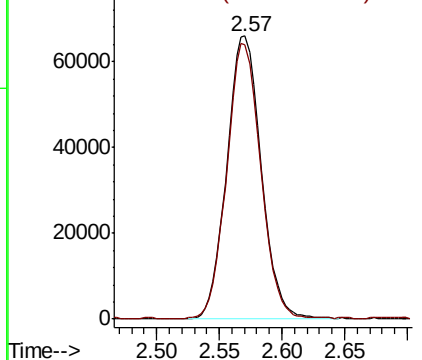
MMDadoda

10/1/2018 11:21:33 AM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.570 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN051485.D

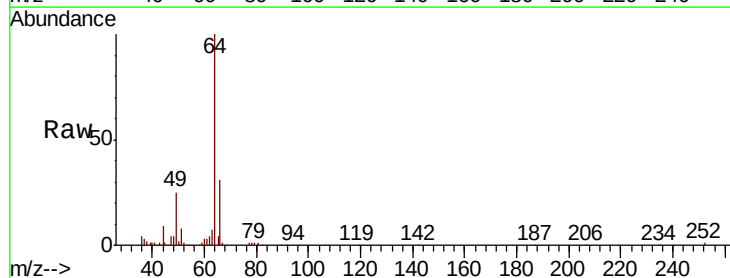
Acq: 25 Sep 2018 15:16

Tgt Ion: 64 Resp: 124825

Ion Ratio Lower Upper

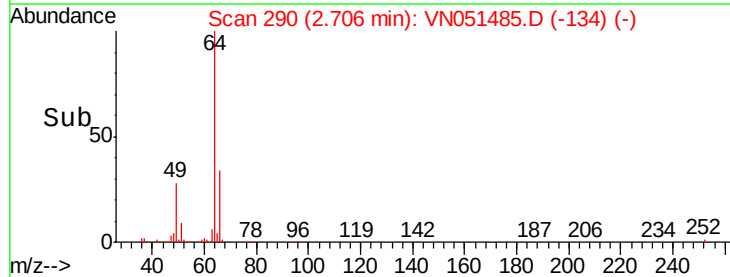
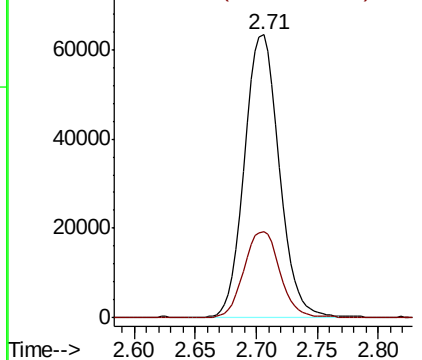
64 100

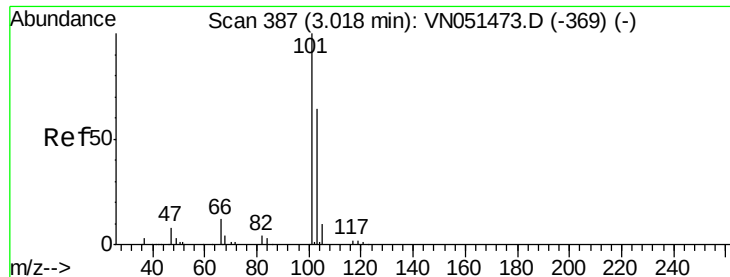
66 30.5 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

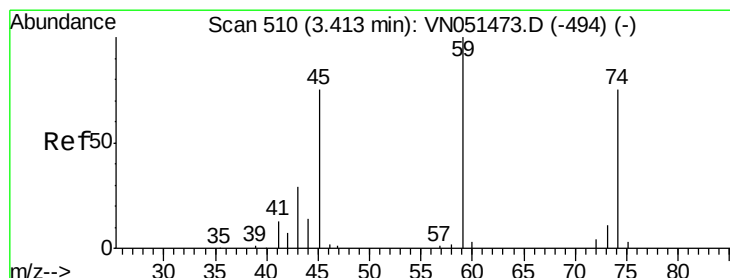
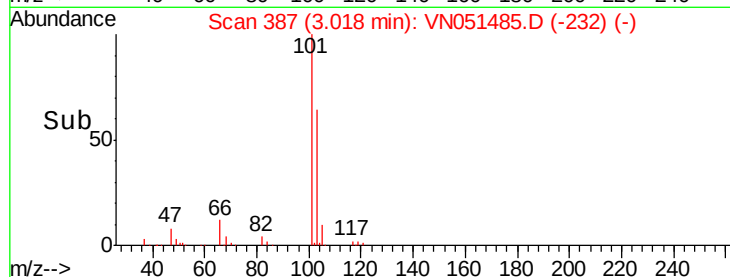
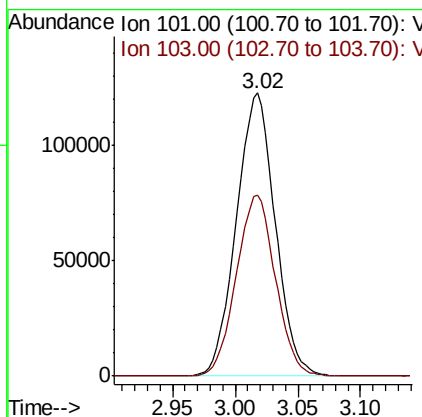
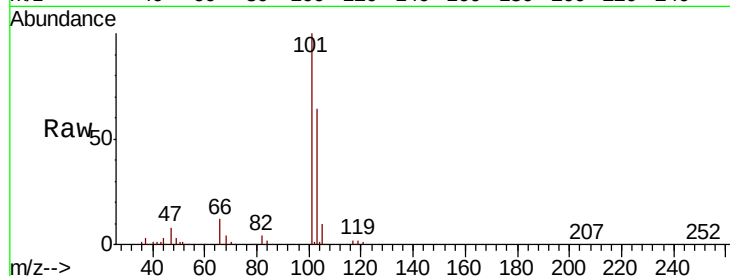
Trichlorofluoromethane
 Concen: 20.682 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	101	100	264292		
103	103	64.1		54.8	82.2

Manual Integrations
 APPROVED

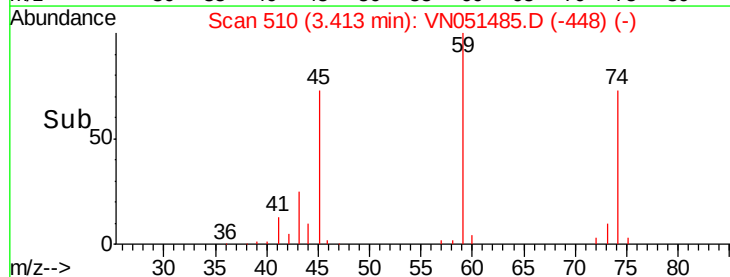
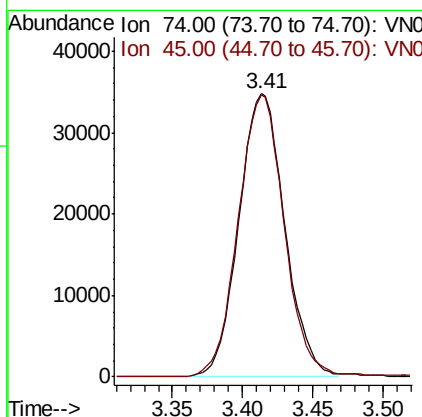
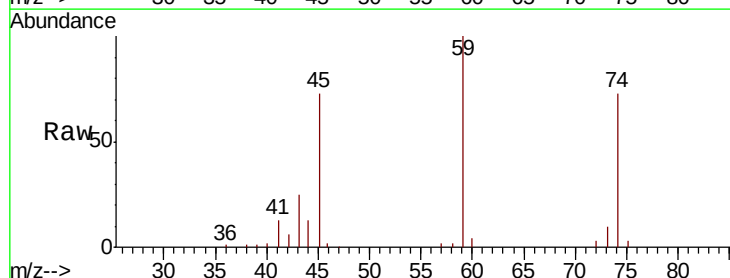
MMDadoda
 10/1/2018 11:21:33 AM

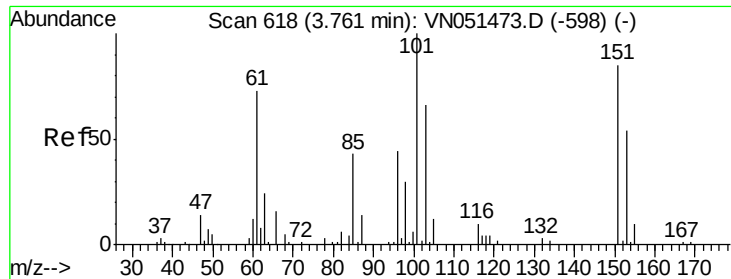


#8

Diethyl Ether
 Concen: 20.568 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	74	100	79025		
45	45	99.8		20.7	186.5





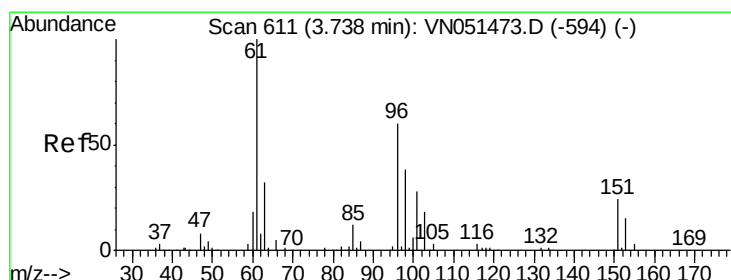
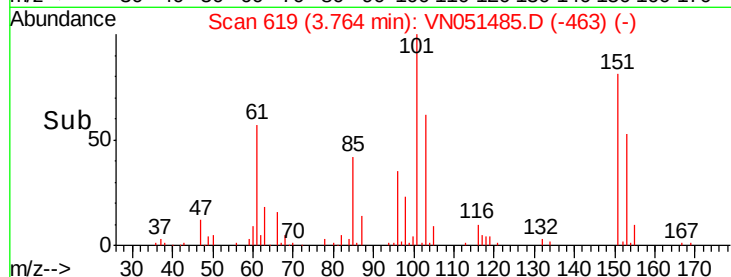
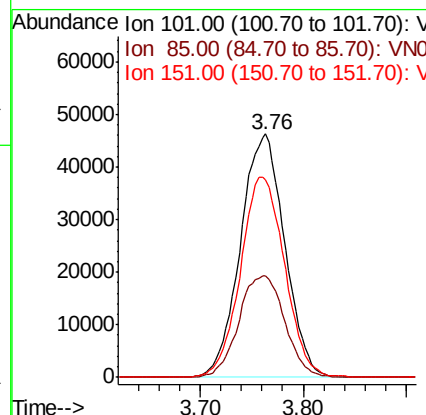
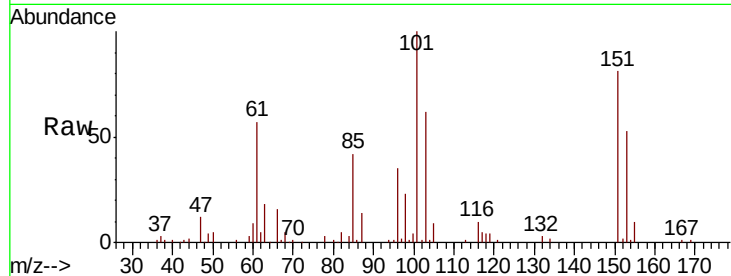
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.220 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	43.3	0.0	46.0
151	82.3	0.0	82.2#

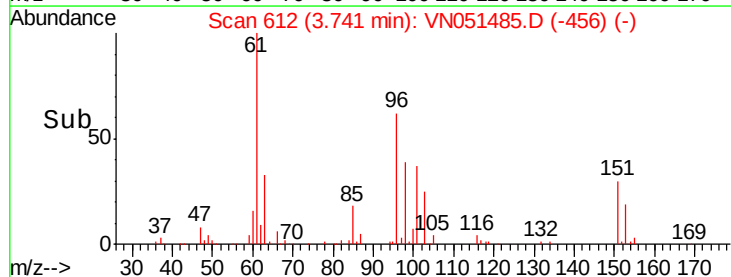
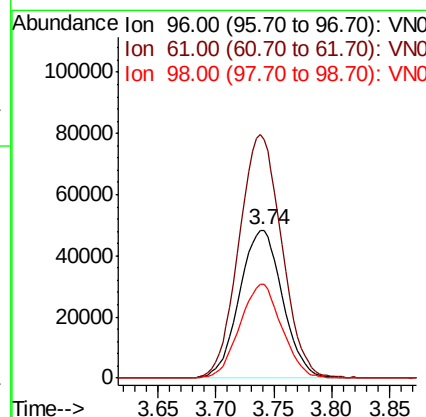
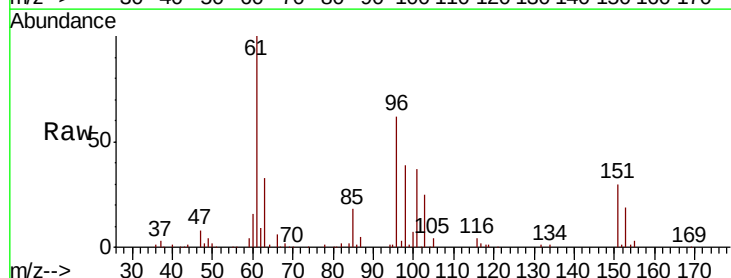
Manual Integrations
 APPROVED

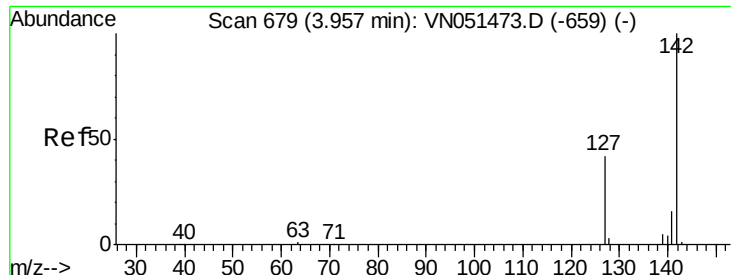
MMDadoda
 10/1/2018 11:21:33 AM



#10
 1,1-Dichloroethene
 Concen: 21.098 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	161.1	133.0	199.6
98	63.5	52.6	78.8





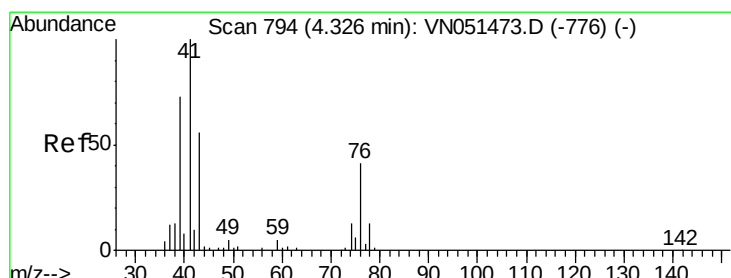
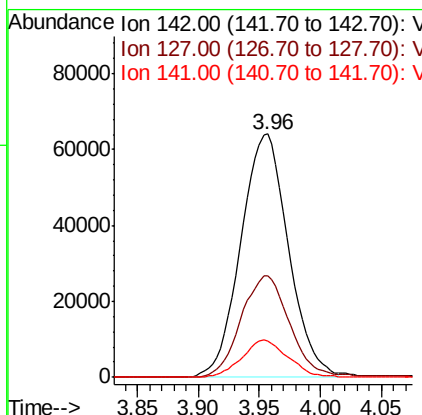
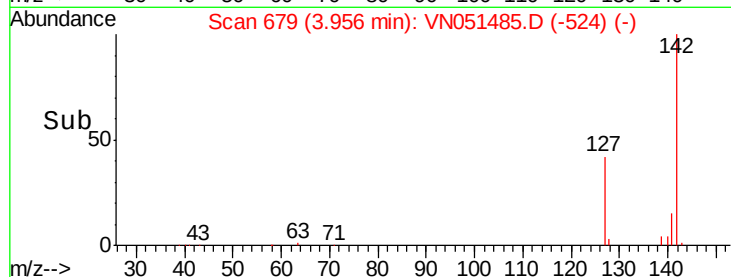
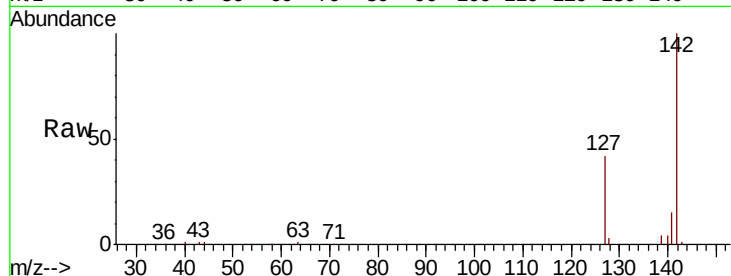
#11
Methvl Iodide
Concen: 19.885 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.5	19.7	59.0
141	14.9	6.3	18.9

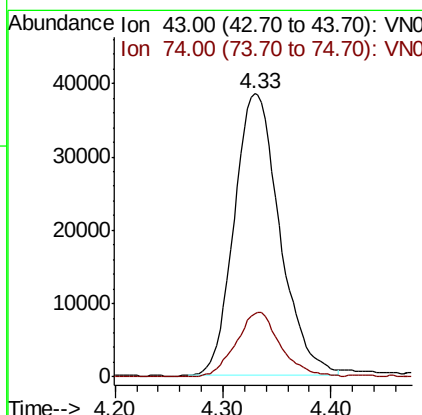
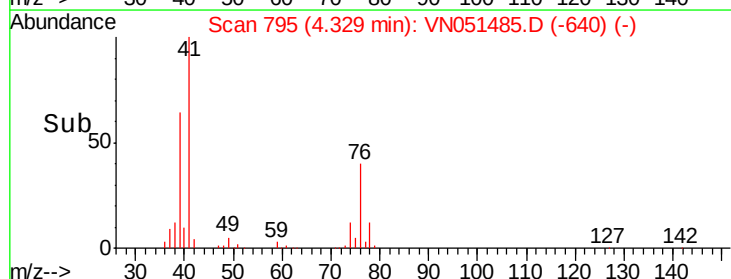
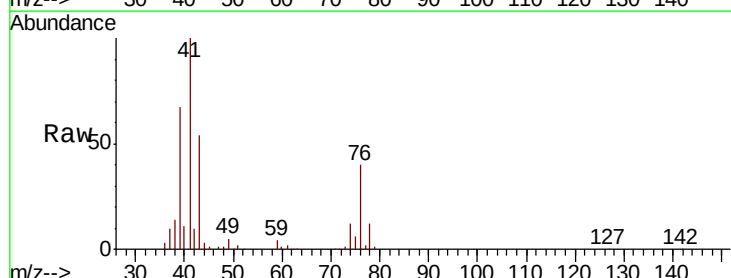
Manual Integrations
APPROVED

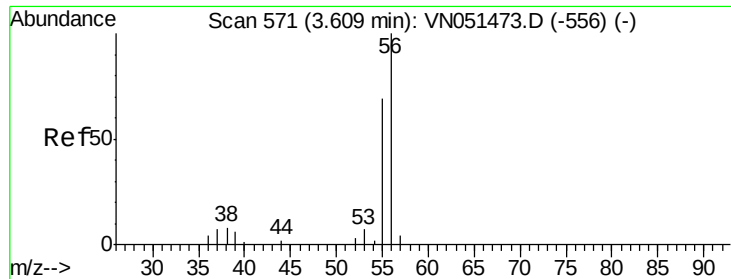
MMDadoda
10/1/2018 11:21:33 AM



#12
Methyl Acetate
Concen: 21.746 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	21.8	32.6





#13

Acrolein

Concen: 111.345 ug/l

RT: 3.61 min Scan# 572

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion: 56 Resp: 77136

Ion Ratio Lower Upper

56 100

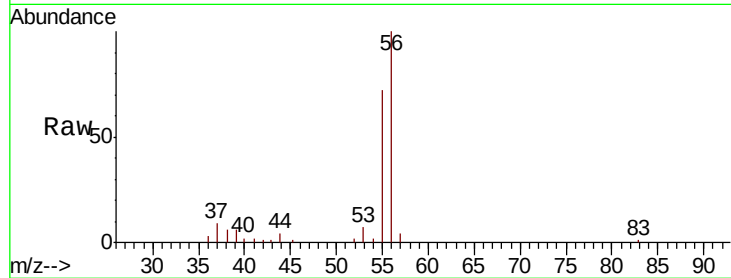
55 72.4 64.0 96.0

Manual Integrations

APPROVED

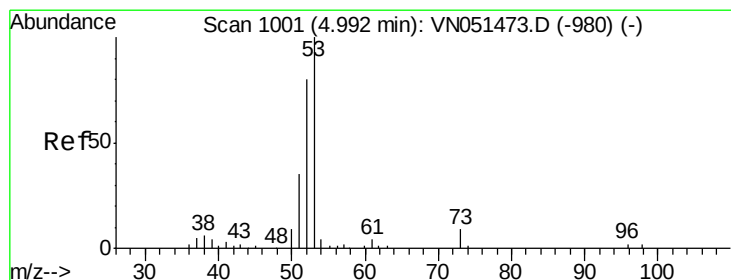
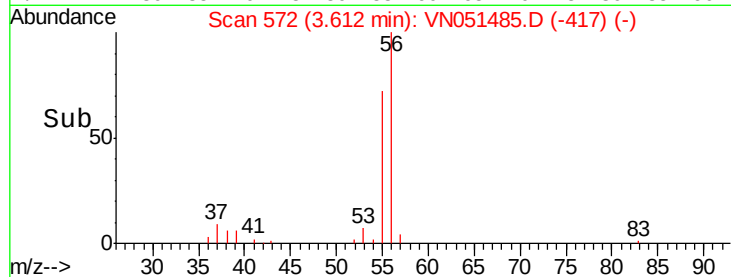
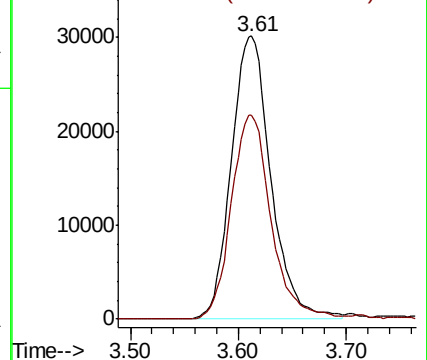
MMDadoda

10/1/2018 11:21:33 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 108.600 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

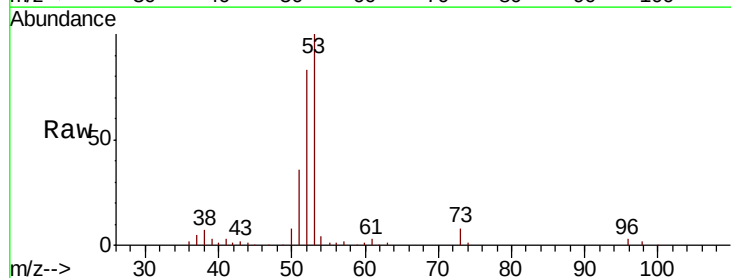
Tgt Ion: 53 Resp: 229190

Ion Ratio Lower Upper

53 100

52 82.1 18.3 54.8#

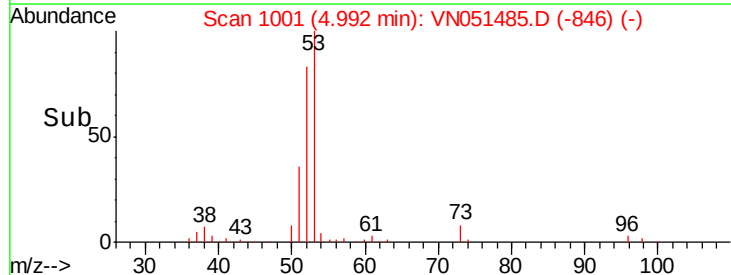
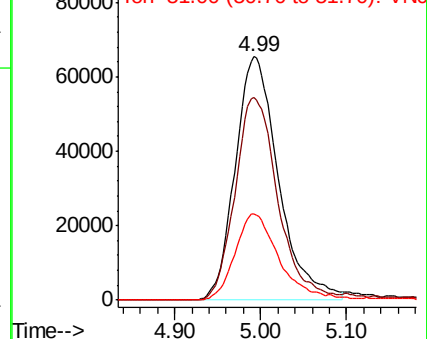
51 35.3 19.7 59.1

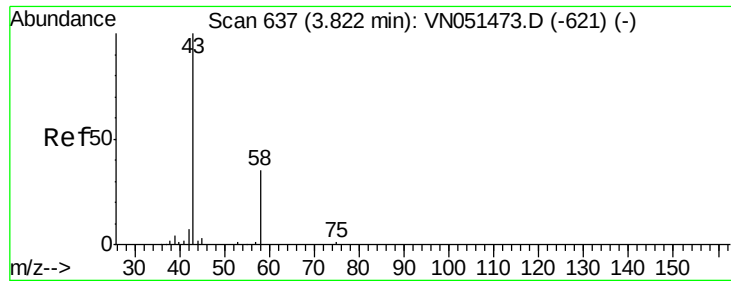


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 110.184 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.01 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampled :

VN0925WBSD01

Tot Ion: 58 Resp: 57270

Ion Ratio Lower Upper

58 100

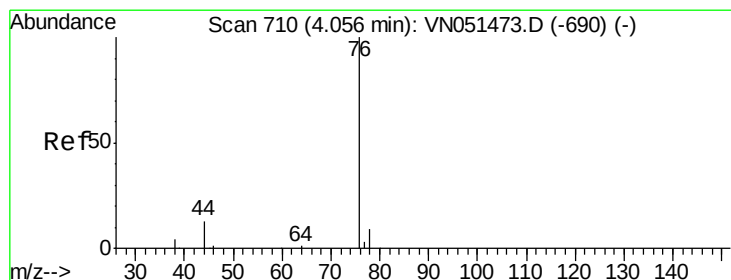
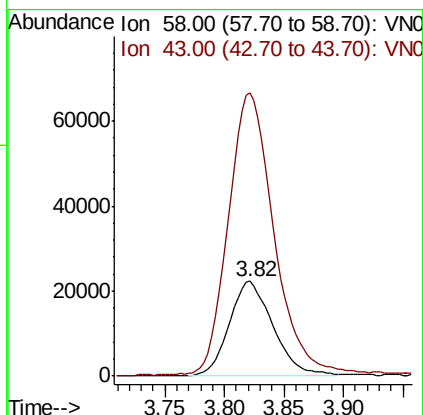
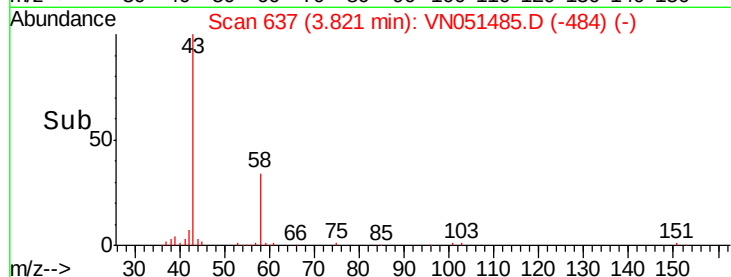
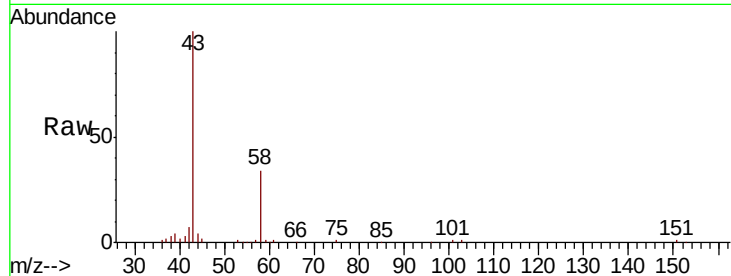
43 295.9 232.2 348.2

Manual Integrations

APPROVED

MMDadoda

10/1/2018 11:21:33 AM



#16

Carbon Disulfide

Concen: 19.607 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051485.D

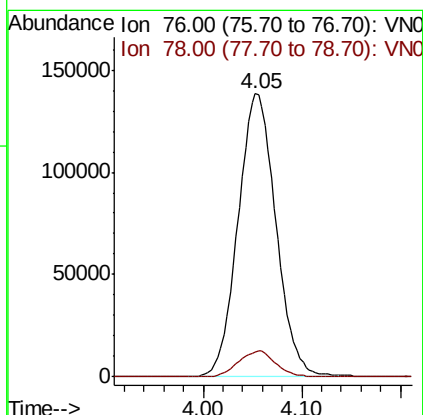
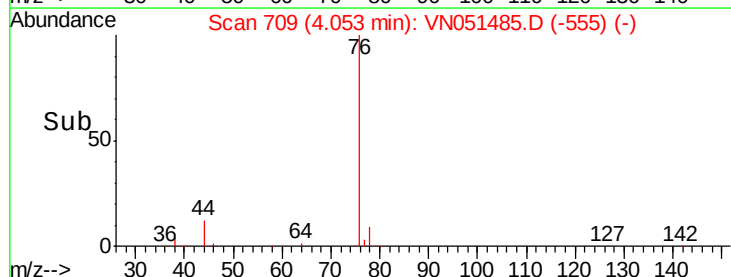
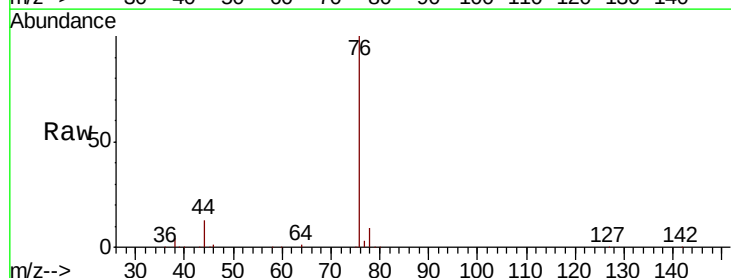
Acq: 25 Sep 2018 15:16

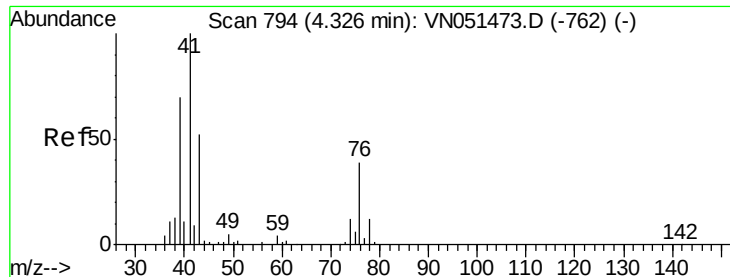
Tgt Ion: 76 Resp: 367601

Ion Ratio Lower Upper

76 100

78 8.9 6.7 10.1





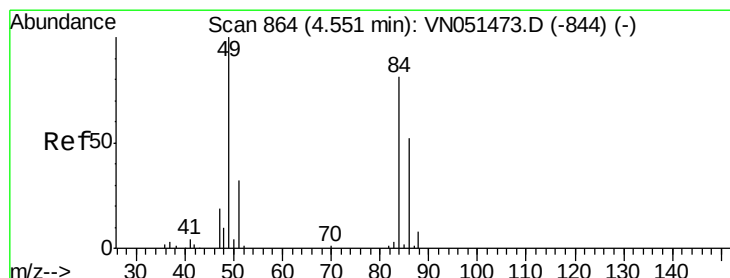
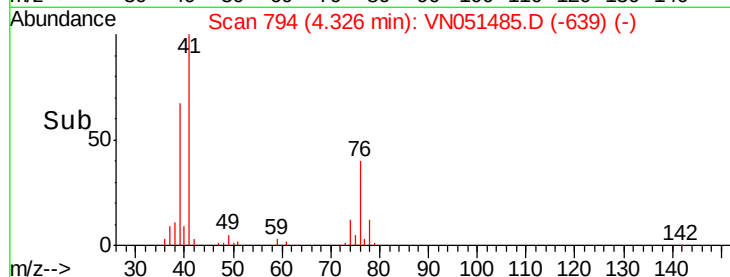
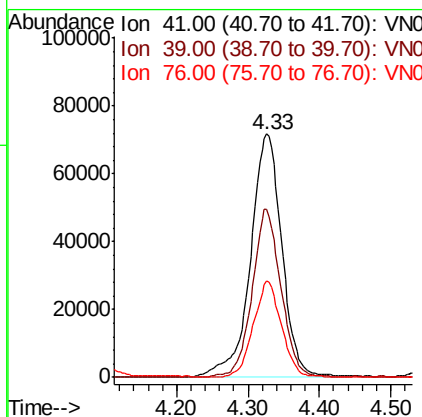
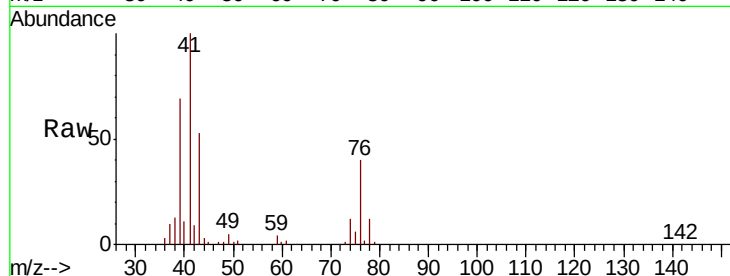
#17
Allvl chloride
Concen: 21.029 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion:	41	Resp:	219425
Ion	Ratio	Lower	Upper
41	100		
39	69.1	32.6	97.8
76	39.5	20.2	60.5

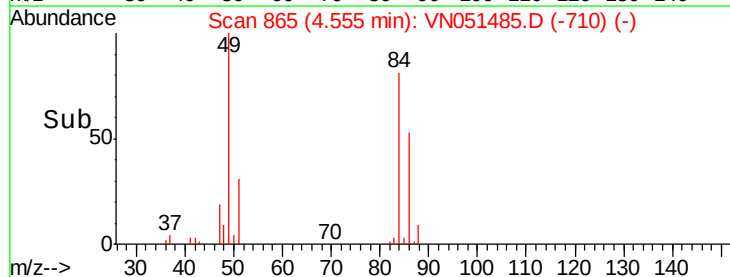
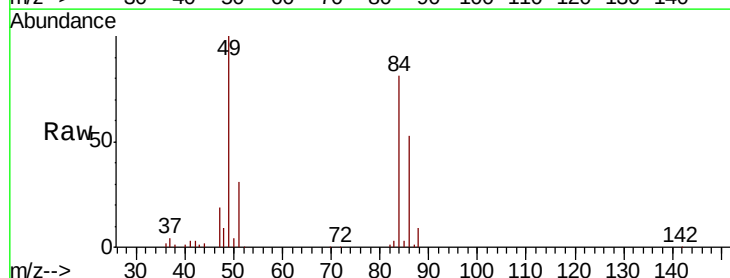
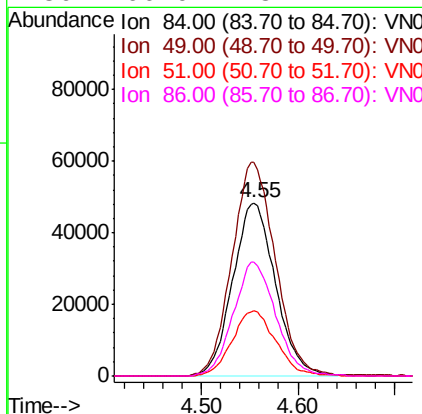
Manual Integrations
APPROVED

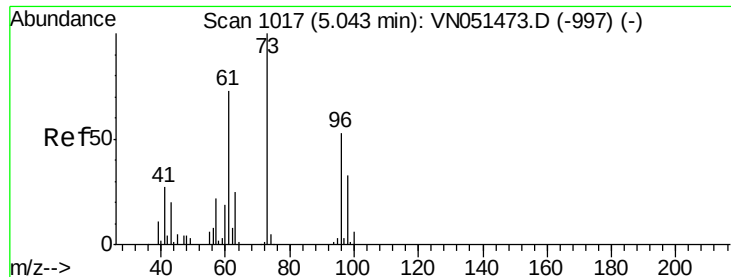
MMDadoda
10/1/2018 11:21:33 AM



#18
Methylene Chloride
Concen: 21.021 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Tgt Ion:	84	Resp:	148389
Ion	Ratio	Lower	Upper
84	100		
49	123.0	91.6	137.4
51	37.9	29.8	44.6
86	66.0	48.2	72.4





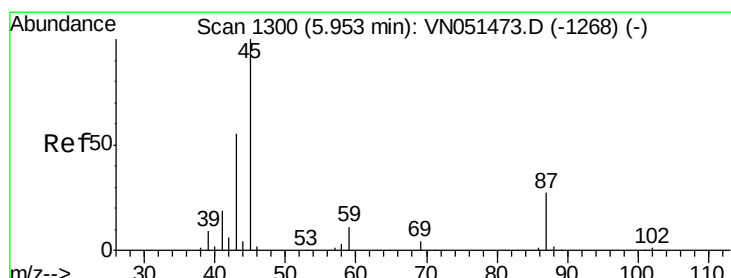
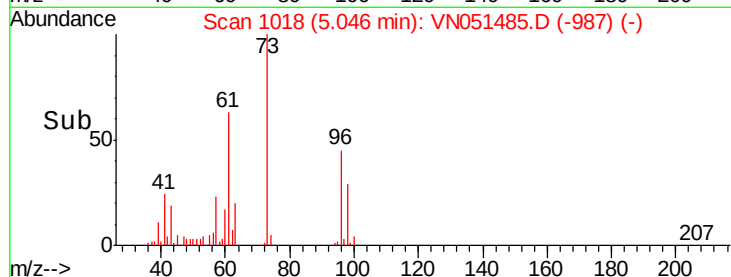
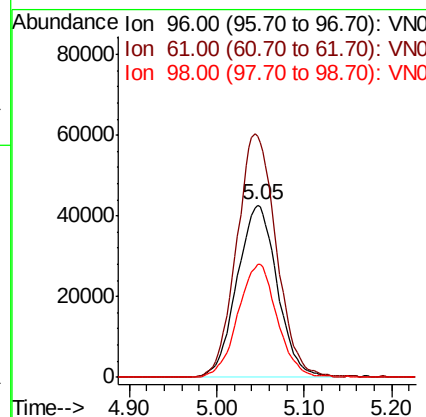
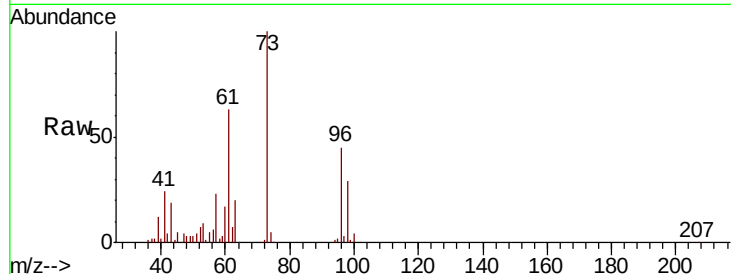
#19
trans-1,2-Dichloroethene
Concen: 21.245 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.8	112.3	168.5
98	64.9	47.1	70.7

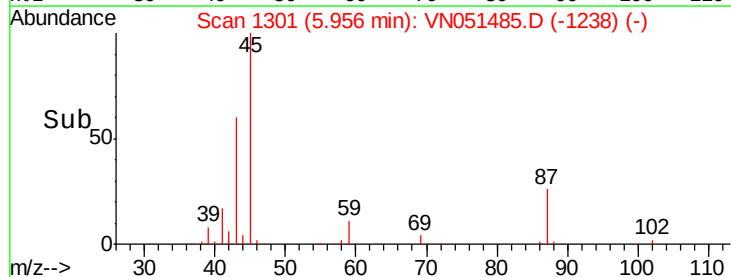
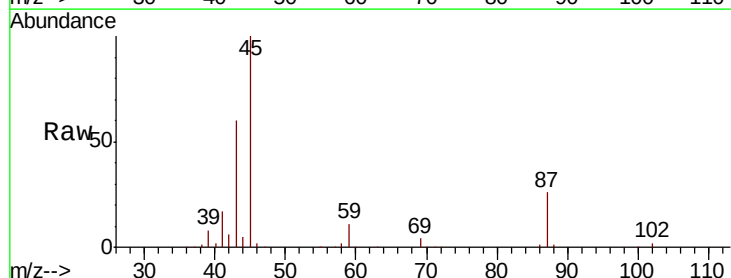
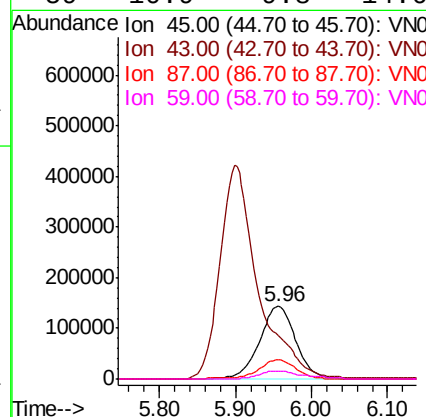
Manual Integrations
APPROVED

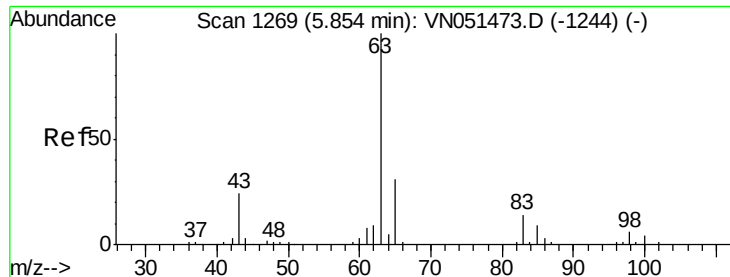
MMDadoda
10/1/2018 11:21:33 AM



#20
Diisopropyl ether
Concen: 22.837 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.9	62.1	93.1#
87	26.2	19.9	29.9
59	10.9	9.8	14.6





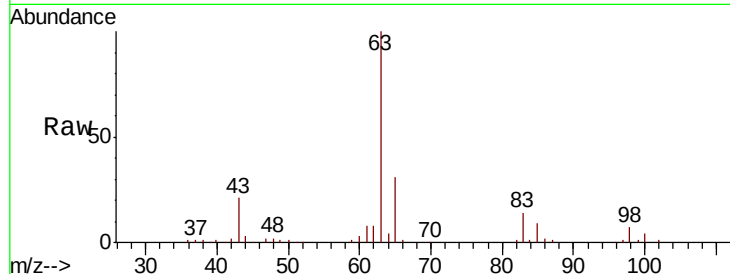
#21
 1,1-Dichloroethane
 Concen: 22.015 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

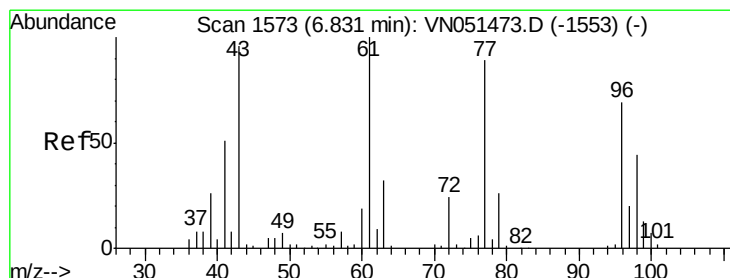
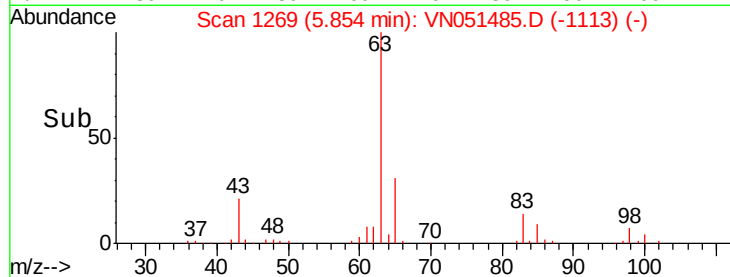
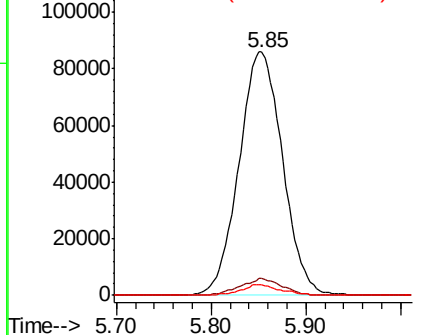
Tot Ion	Ratio	Resp	Lower	Upper
63	100	274754		
98	6.9		4.1	12.3
100	4.3		1.6	4.7

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:21:33 AM

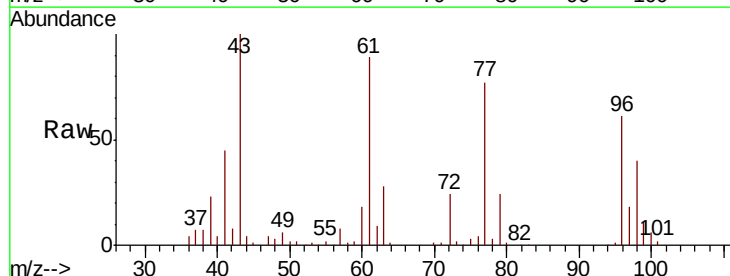


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

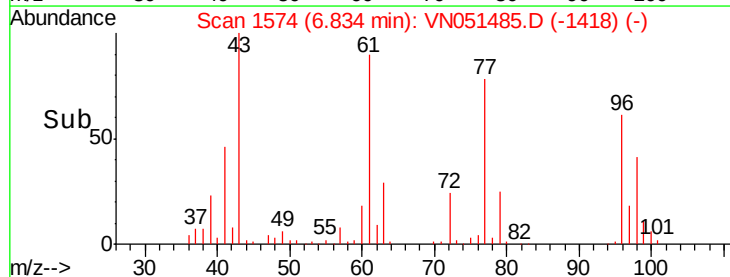
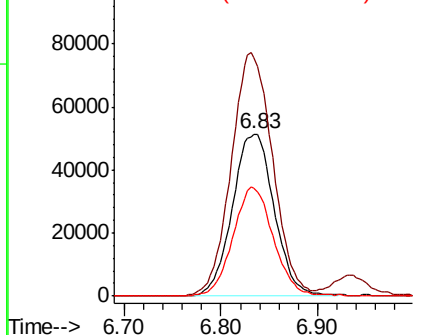


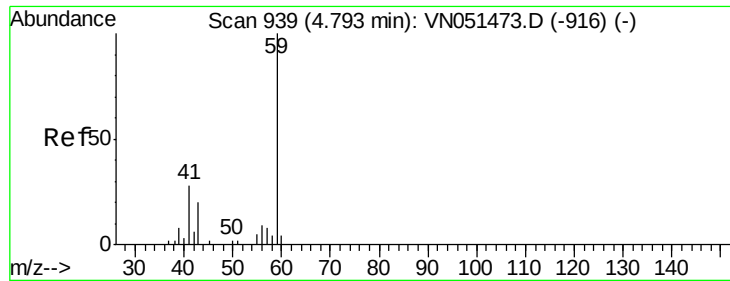
#22
 cis-1,2-Dichloroethene
 Concen: 21.555 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	154336		
61	148.9		124.5	186.7
98	65.1		51.9	77.9



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





#23

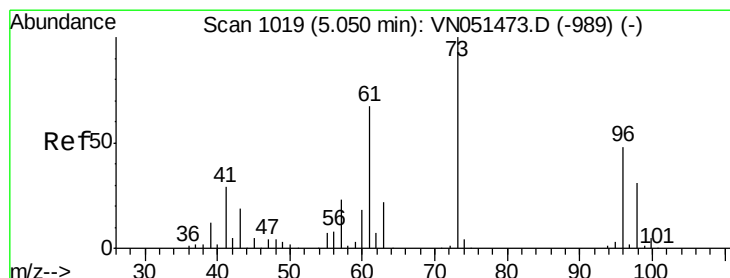
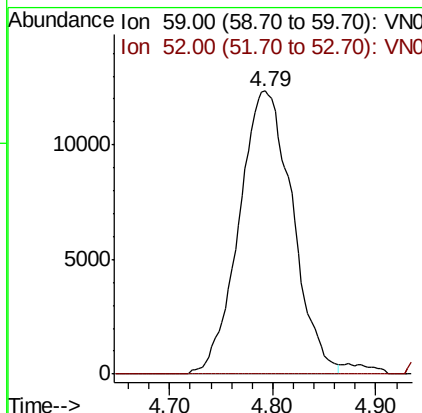
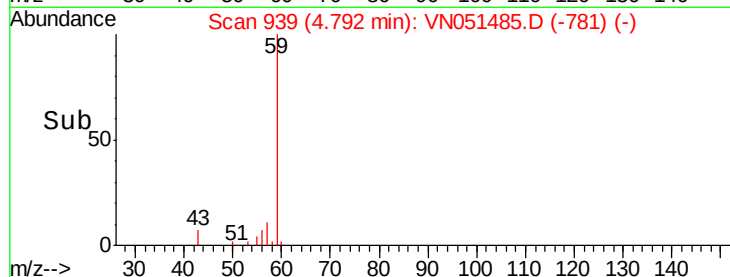
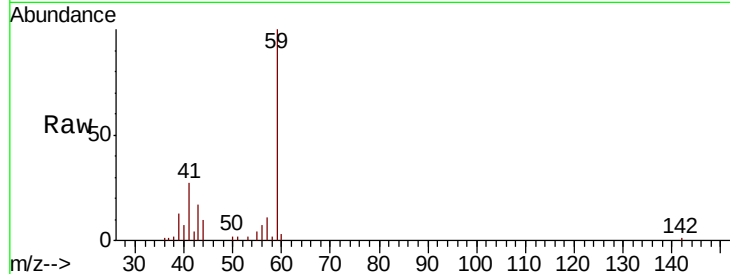
tert-Butyl Alcohol
 Concen: 111.537 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
 APPROVED

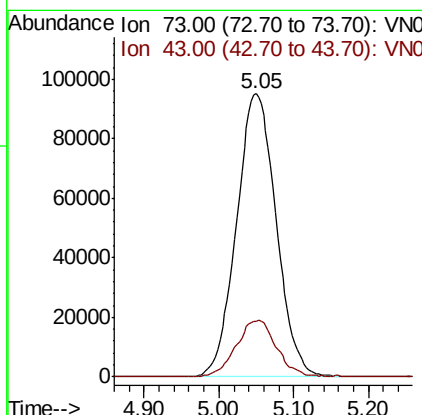
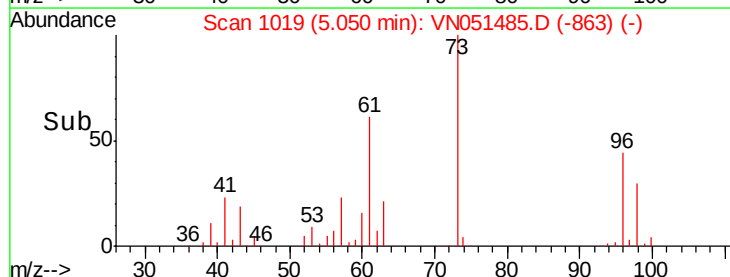
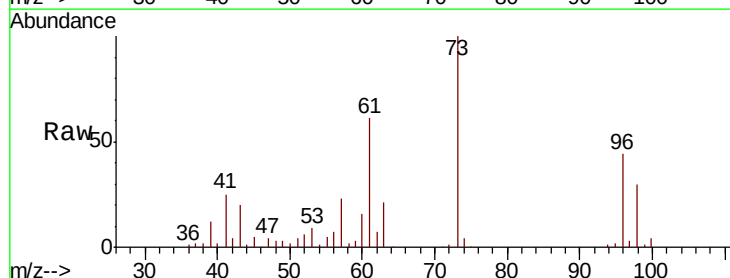
MMDadoda
 10/1/2018 11:21:33 AM

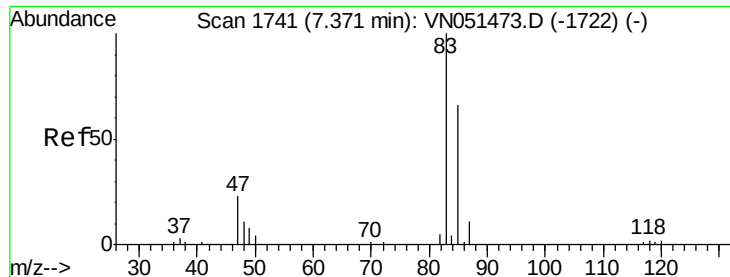


#24

Methyl tert-Butyl Ether
 Concen: 21.793 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.1	5.4	8.0#





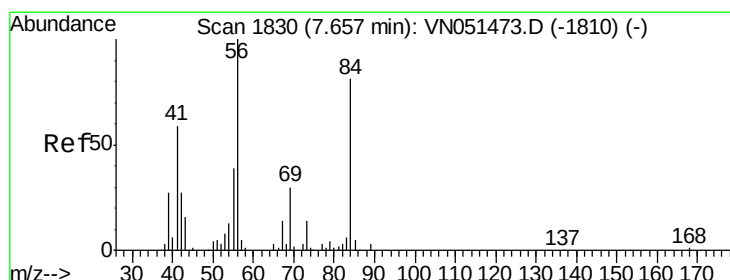
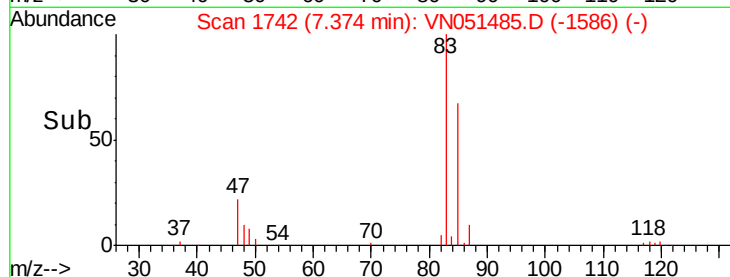
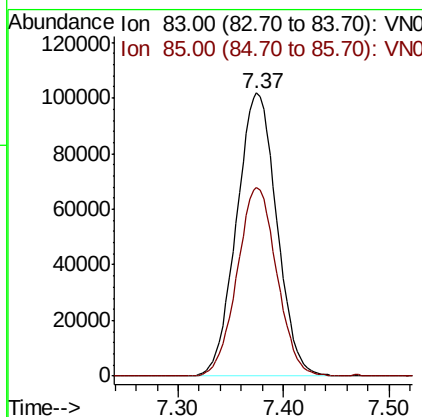
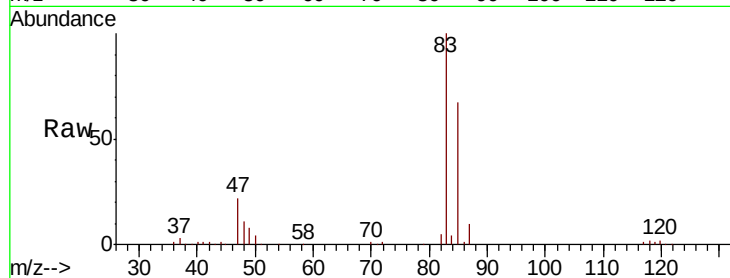
#25
Chloroform
Concen: 21.682 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	83	Resp	269890
Ion Ratio	100	Lower	Upper
83	100		
85	66.7	54.6	82.0

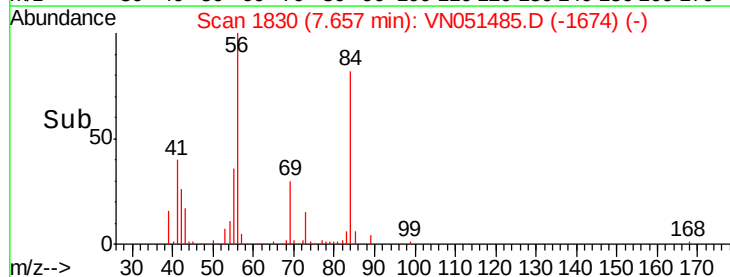
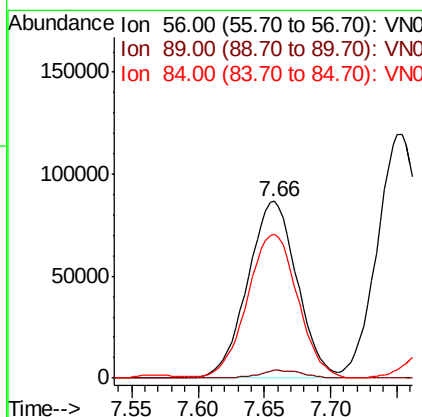
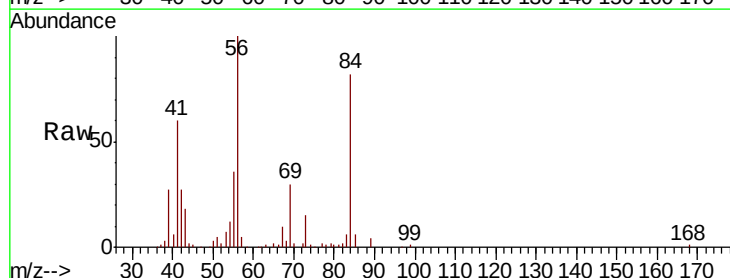
Manual Integrations
APPROVED

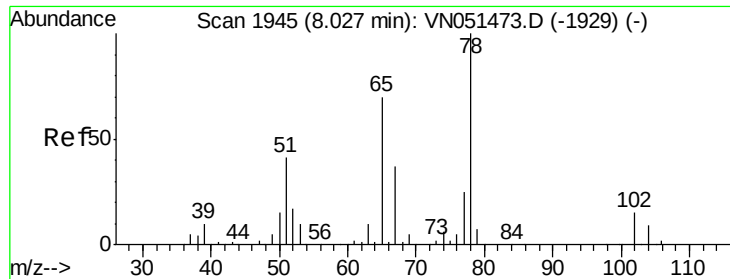
MMDadoda
10/1/2018 11:21:33 AM



#26
Cyclohexane
Concen: 21.253 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Tgt Ion	56	Resp	225818
Ion Ratio	100	Lower	Upper
56	100		
89	4.0	1.5	2.3#
84	83.1	64.2	96.4





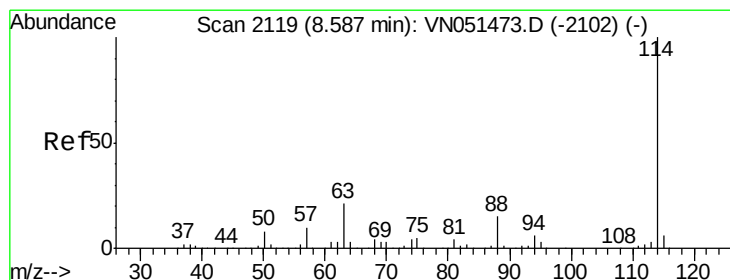
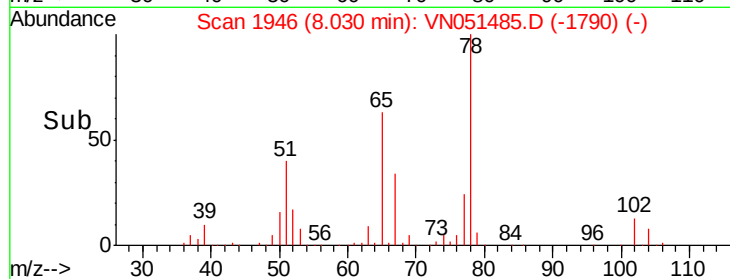
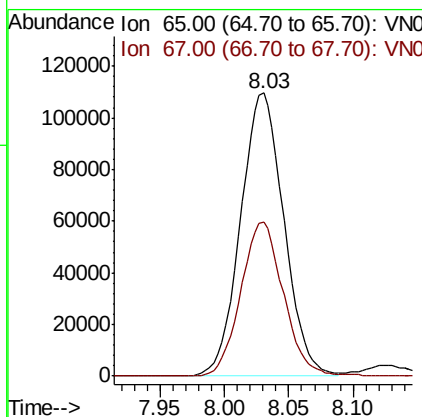
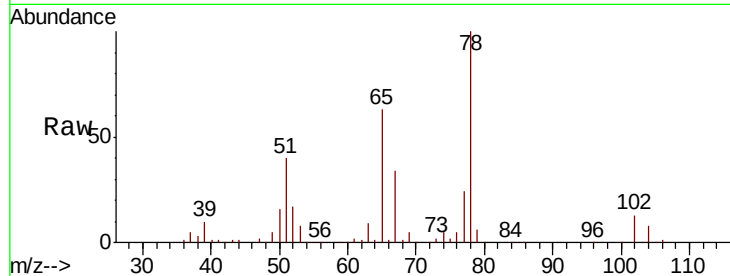
#27
 1,2-Dichloroethane-d4
 Concen: 29.732 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	41.8	62.8

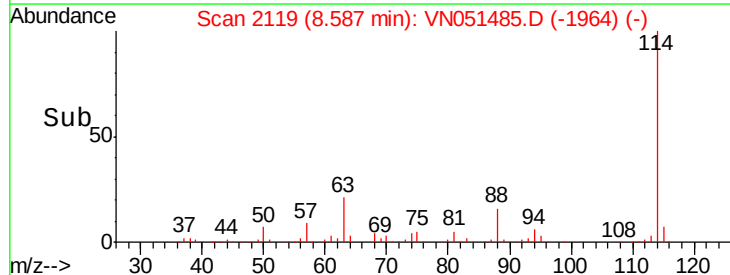
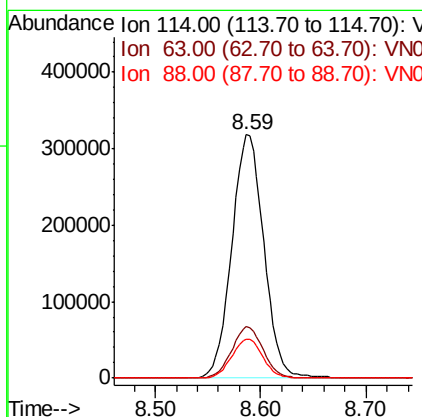
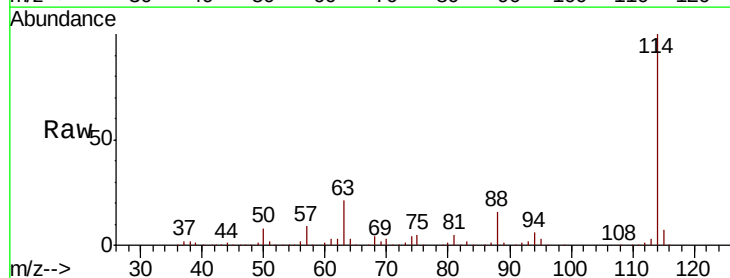
Manual Integrations
 APPROVED

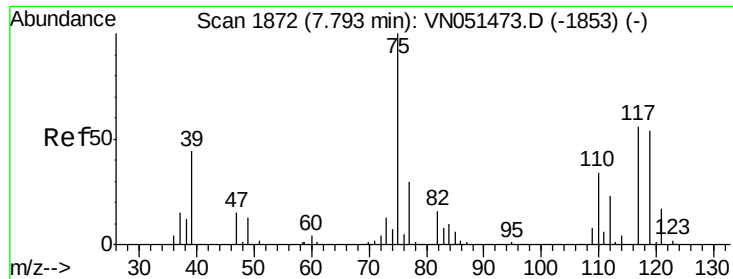
MMDadoda
 10/1/2018 11:21:33 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.5	16.2	24.2
88	15.6	12.2	18.4





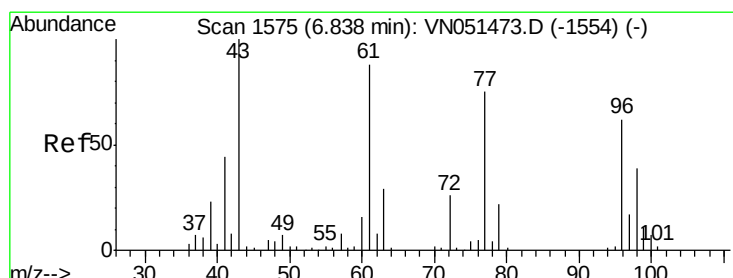
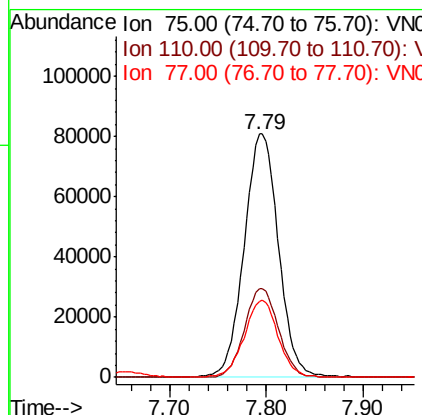
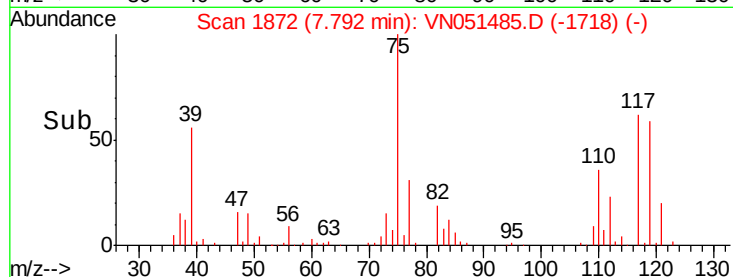
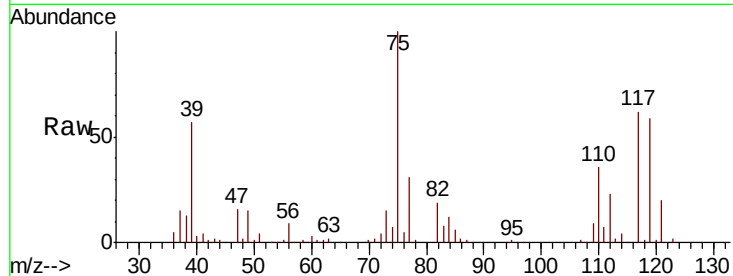
#29
 1,1-Dichloropropene
 Concen: 21.145 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0925WBSD01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.0	0.0	70.8
77	31.2	0.0	61.6

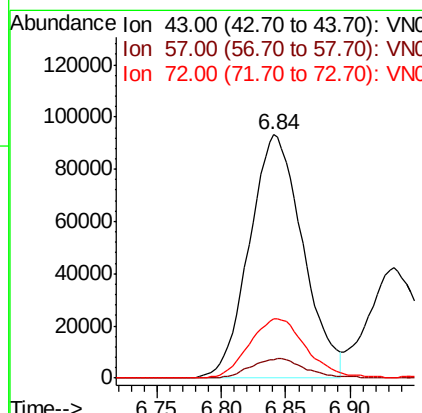
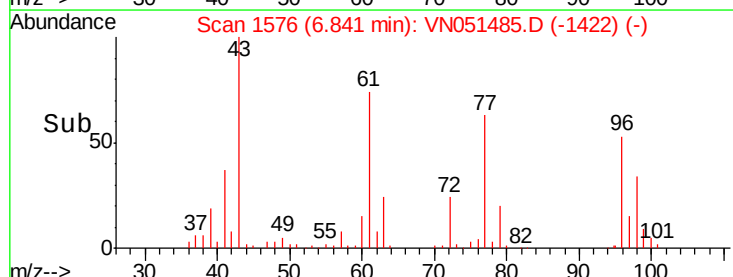
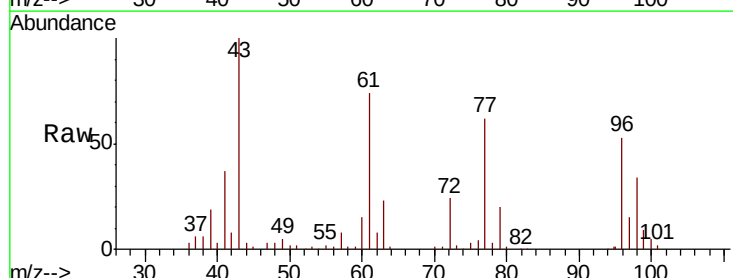
Manual Integrations
 APPROVED

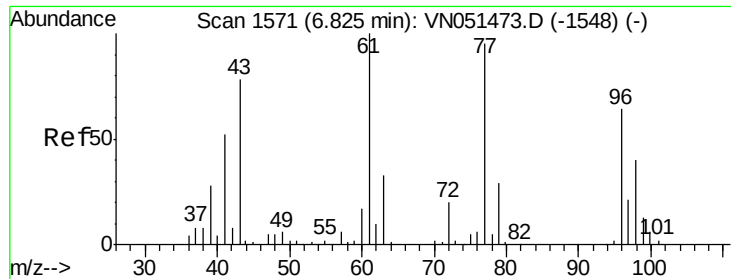
MMDadoda
 10/1/2018 11:21:33 AM



#30
 2-Butanone
 Concen: 109.434 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.3	4.5	6.7#
72	26.3	21.5	32.3





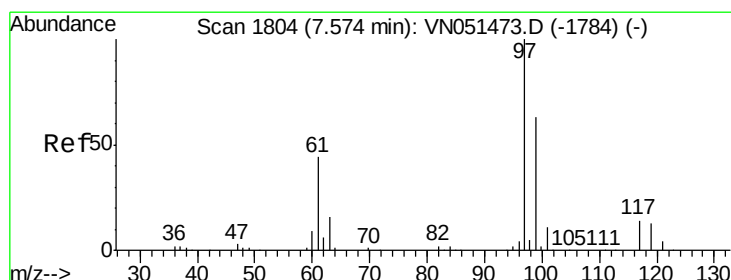
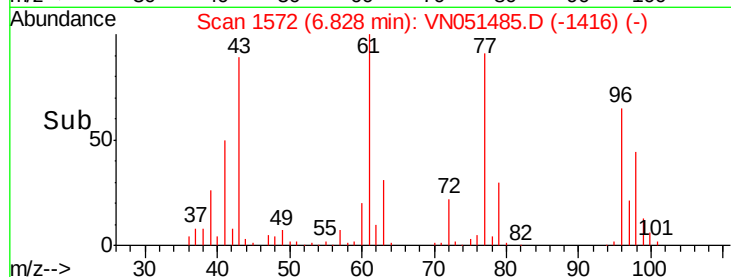
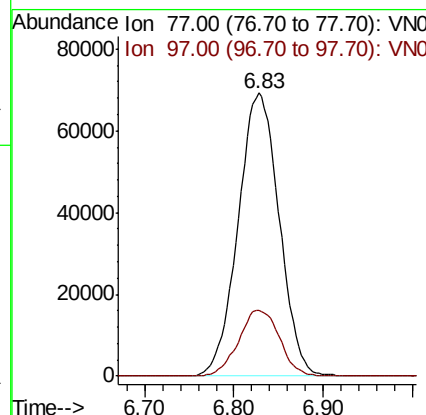
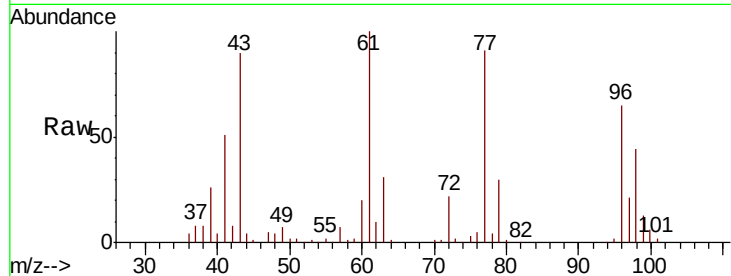
#31
 2,2-Dichloropropane
 Concen: 21.995 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0925WBSD01

Tot Ion: 77 Resp: 221551
 Ion Ratio Lower Upper
 77 100
 97 23.3 12.0 18.0#

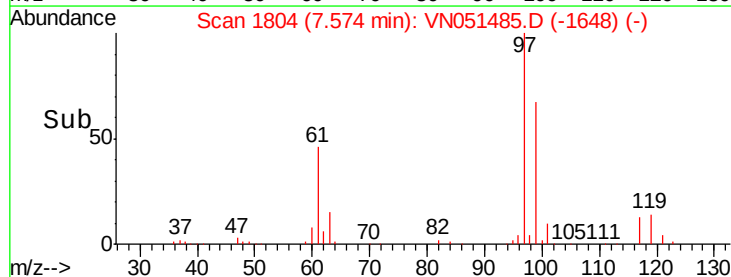
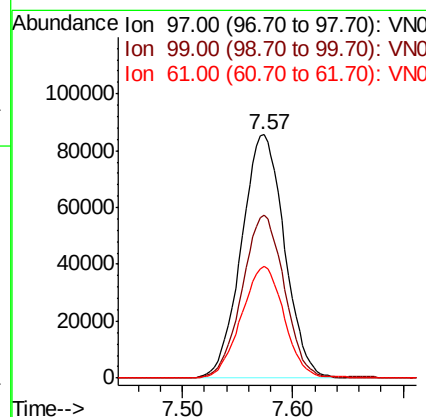
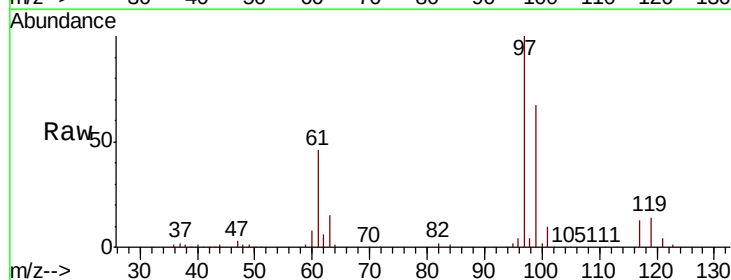
Manual Integrations
 APPROVED

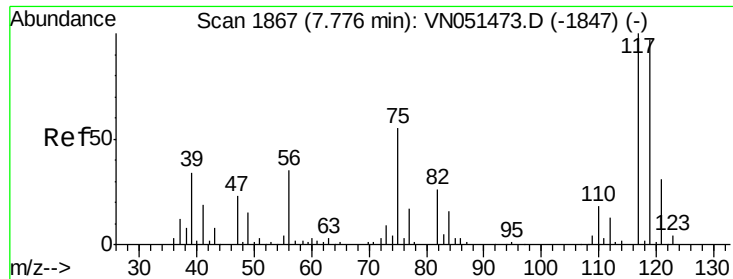
MMDadoda
 10/1/2018 11:21:33 AM



#32
 1,1,1-Trichloroethane
 Concen: 21.449 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion: 97 Resp: 231234
 Ion Ratio Lower Upper
 97 100
 99 65.7 51.6 77.4
 61 45.4 37.4 56.0





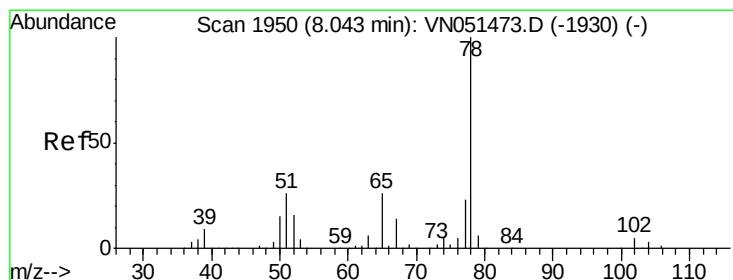
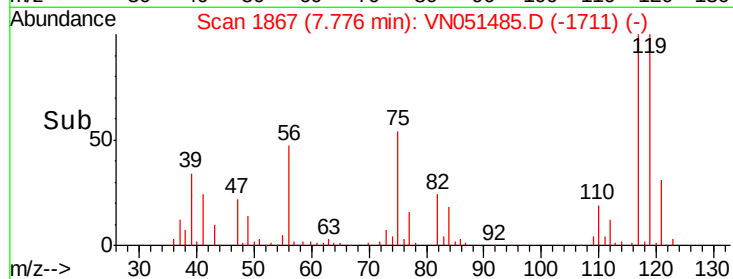
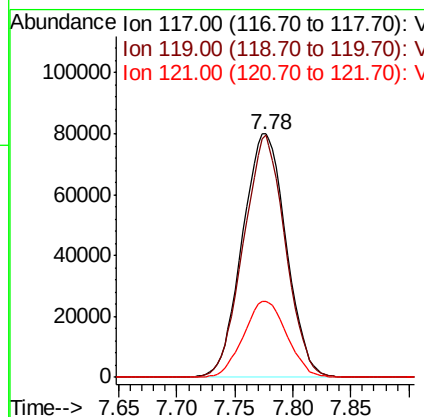
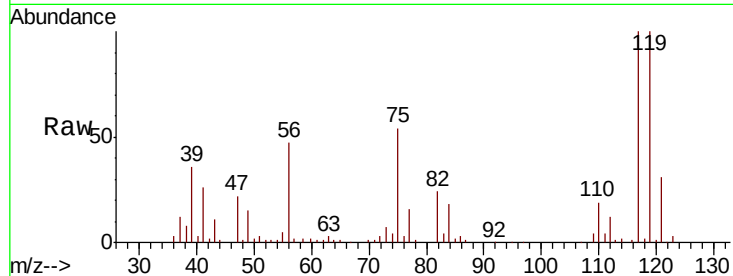
#33
Carbon Tetrachloride
Concen: 21.287 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Instrument :
MSVOA_N
ClientSampled :
VN0925WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	210564		
119	99.5	85.1	127.7	
121	31.0	24.2	36.2	

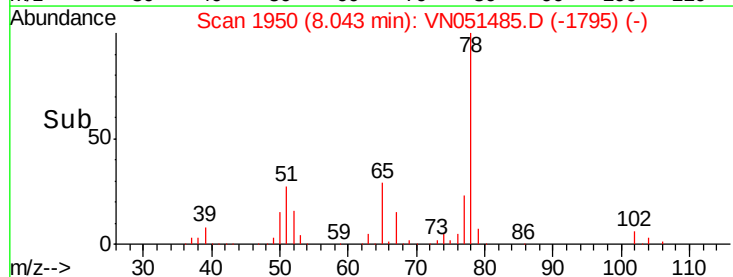
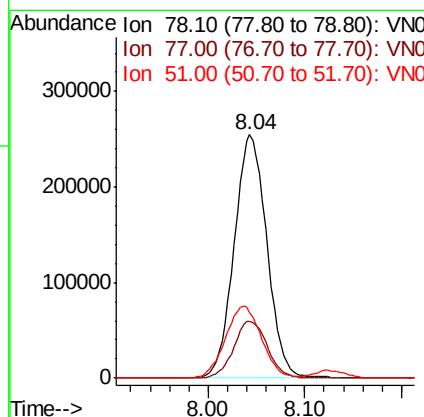
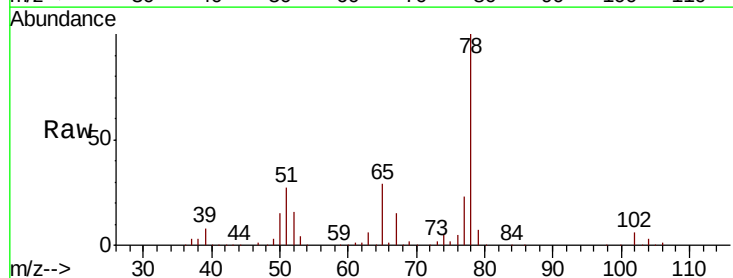
Manual Integrations
APPROVED

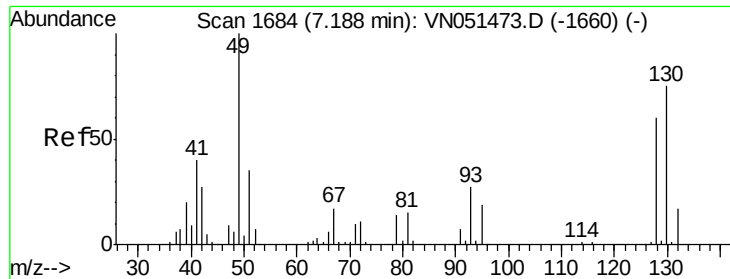
MMDadoda
10/1/2018 11:21:33 AM



#34
Benzene
Concen: 21.337 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	598189		
77	23.4	18.8	28.2	
51	26.9	46.2	69.4	





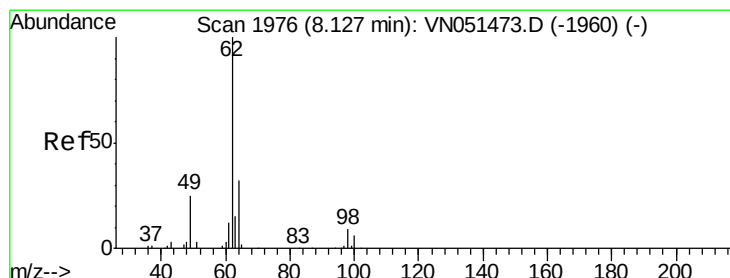
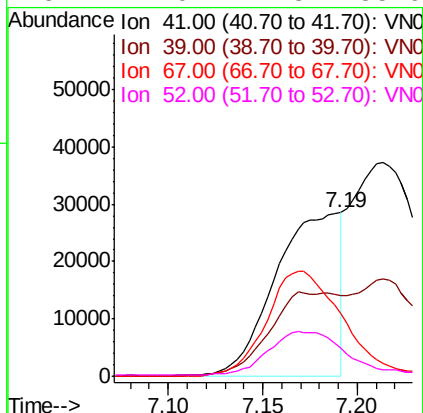
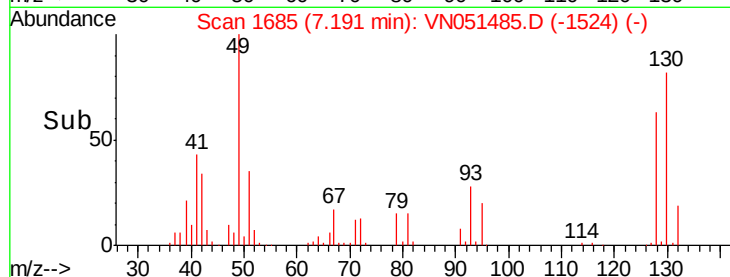
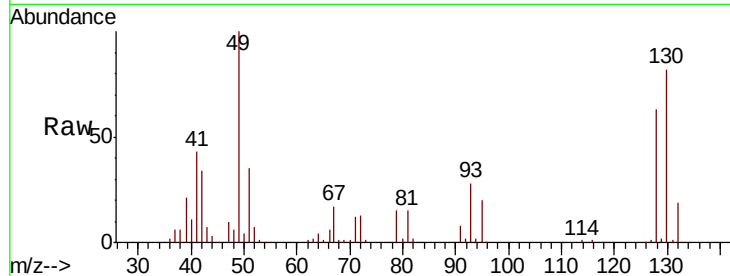
#35
Methacrylonitrile
Concen: 19.465 ug/l m
RT: 7.19 min Scan# 1685
Delta R.T. 0.02 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	41	Resp	68420
Ion Ratio	Lower	Upper	
41	100		
39	49.1	22.6	67.7
67	38.5	28.9	86.8
52	17.0	11.3	33.9

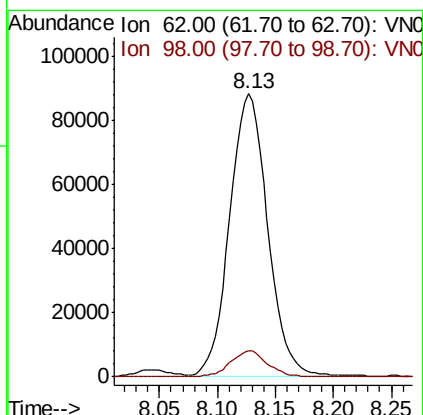
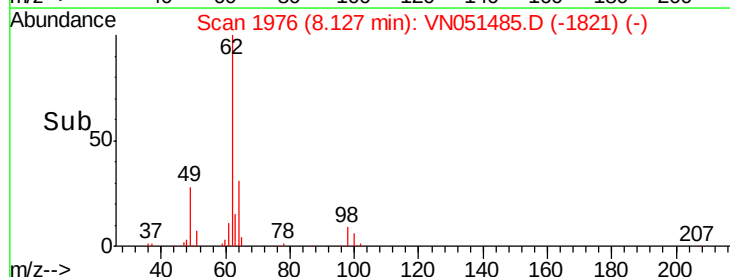
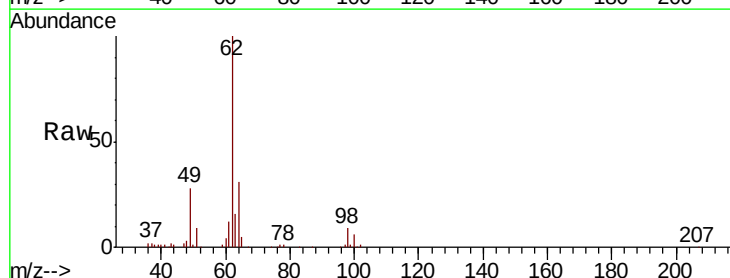
Manual Integrations
APPROVED

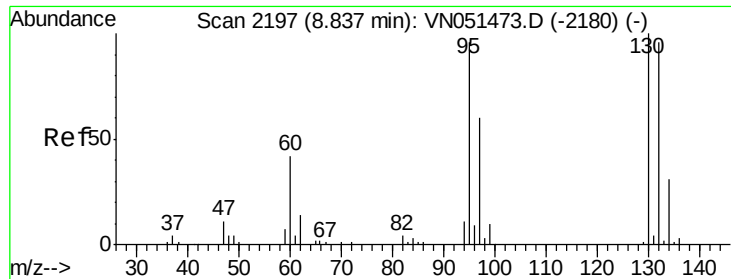
MMDadoda
10/1/2018 11:21:33 AM



#36
1,2-Dichloroethane
Concen: 22.153 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Tgt Ion	62	Resp	202230
Ion Ratio	Lower	Upper	
62	100		
98	8.9	6.9	10.3





#37

Trichloroethene

Concen: 20.945 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion:130 Resp: 155636

Ion Ratio Lower Upper

130 100

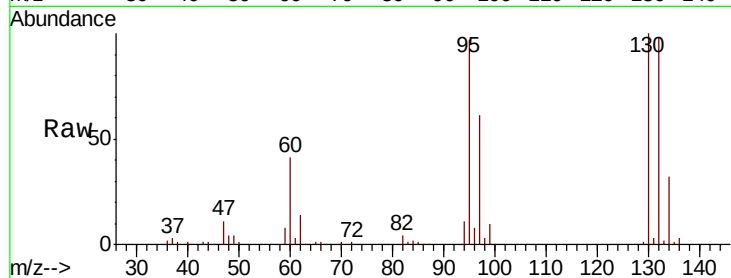
95 96.8 76.4 114.6

Manual Integrations

APPROVED

MMDadoda

10/1/2018 11:21:33 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

80000

60000

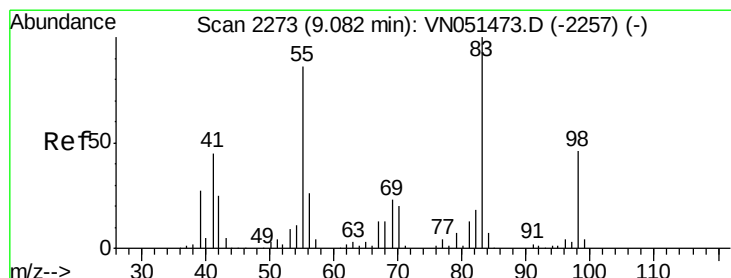
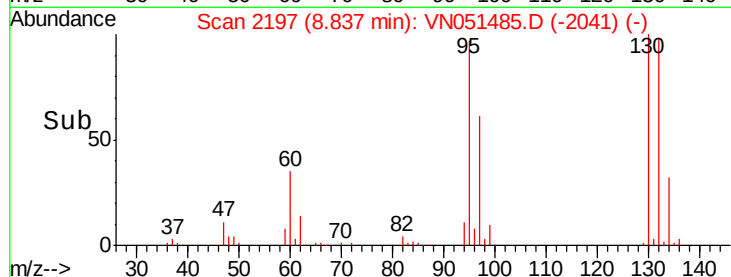
40000

20000

0

8.75 8.80 8.85 8.90 8.95

Time-->



#38

Methylcyclohexane

Concen: 20.404 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

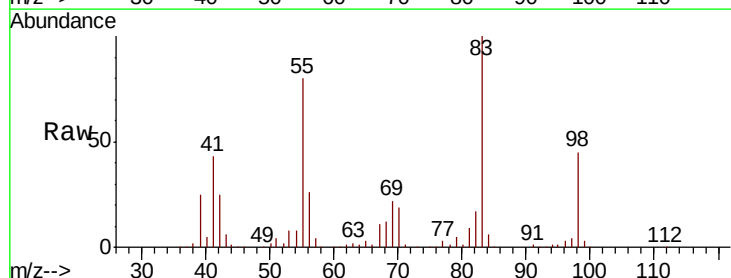
Tgt Ion: 83 Resp: 223357

Ion Ratio Lower Upper

83 100

55 80.7 43.0 129.2

98 44.9 21.3 63.7



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

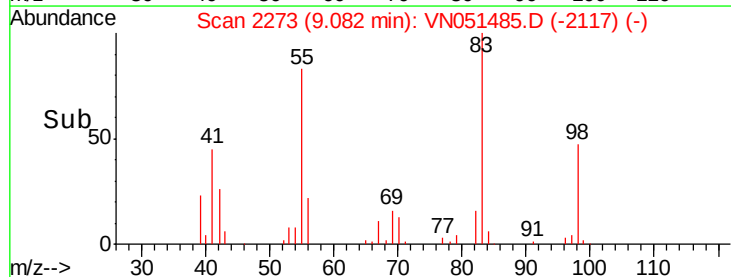
100000

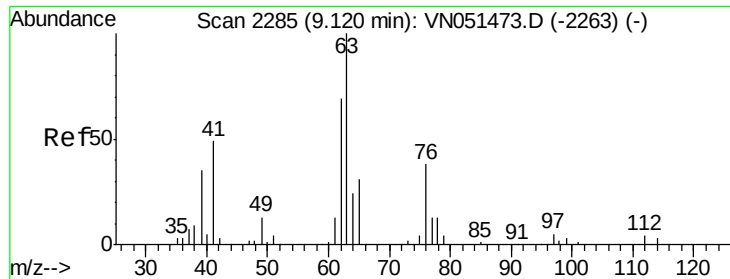
50000

0

9.00 9.10 9.20

Time-->





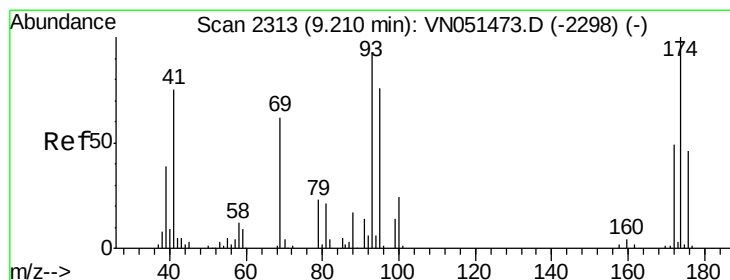
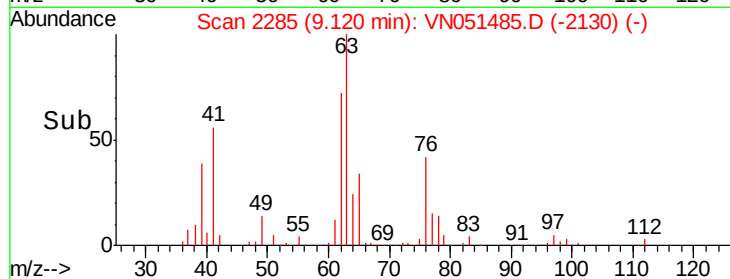
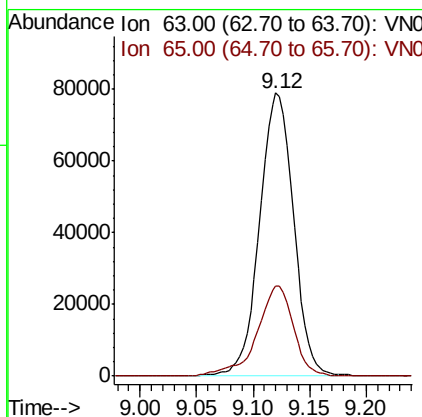
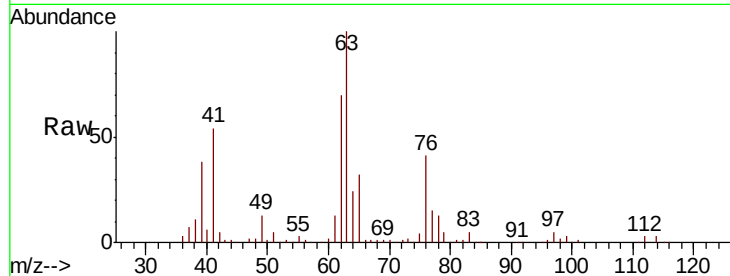
#39
 1,2-Dichloropropane
 Concen: 21.659 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0925WBSD01

Tot Ion: 63 Resp: 165184
 Ion Ratio Lower Upper
 63 100
 65 32.0 23.2 34.8

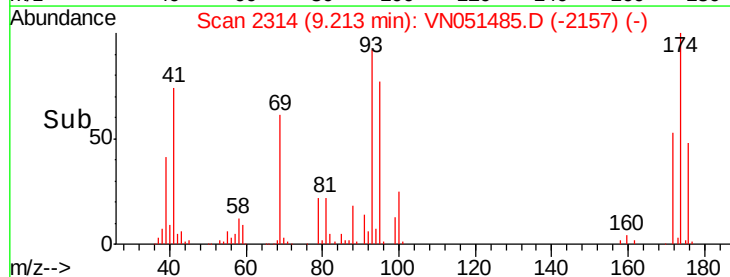
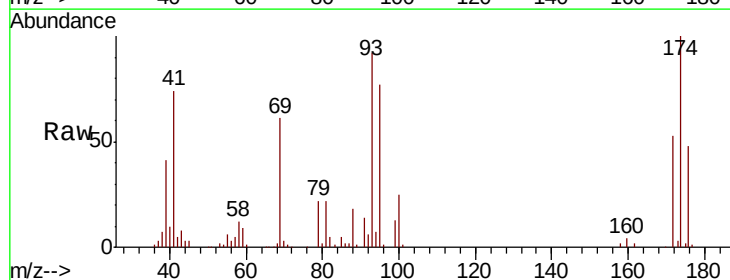
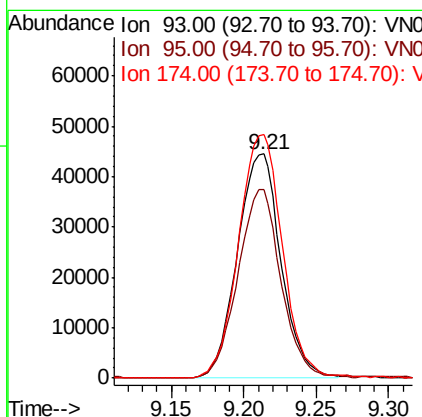
Manual Integrations
 APPROVED

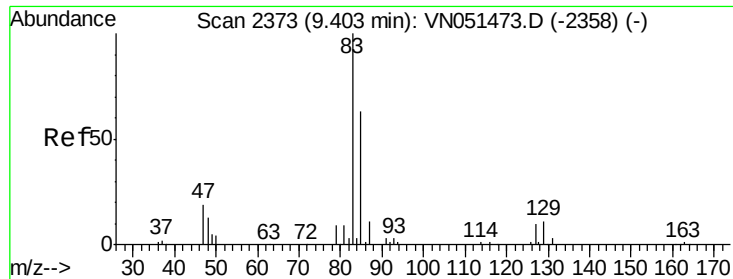
MMDadoda
 10/1/2018 11:21:33 AM



#40
 Dibromomethane
 Concen: 21.480 ug/l
 RT: 9.21 min Scan# 2314
 Delta R.T. 0.01 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion: 93 Resp: 93240
 Ion Ratio Lower Upper
 93 100
 95 83.2 0.0 162.0
 174 109.4 0.0 214.0





#41

Bromodichloromethane

Concen: 21.138 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

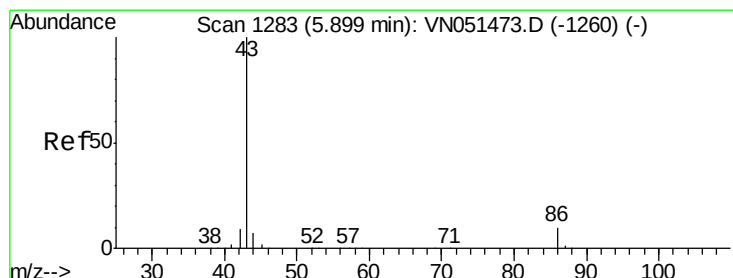
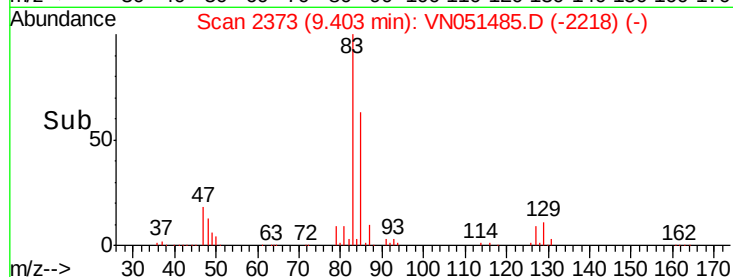
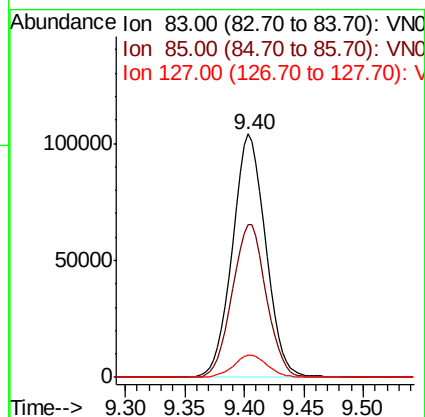
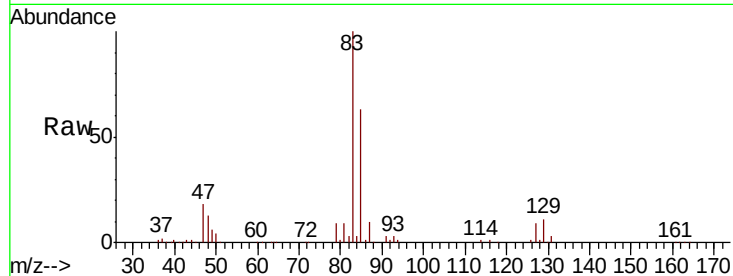
ClientSampleId :

VN0925WBSD01

Tot Ion:	83	Resp:	201739
Ion Ratio	Lower	Upper	
83	100		
85	62.8	55.7	83.5
127	9.1	8.2	12.4

Manual Integrations
APPROVED

MMDadoda
10/1/2018 11:21:33 AM



#42

Vinyl Acetate

Concen: 108.423 ug/l

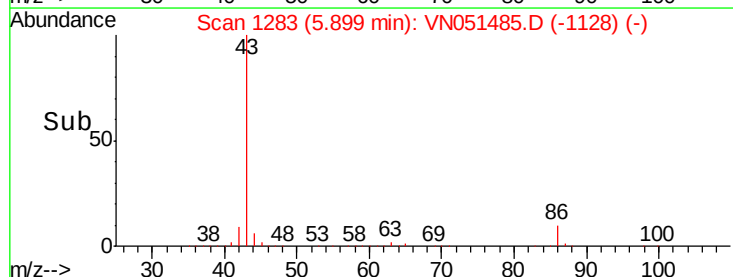
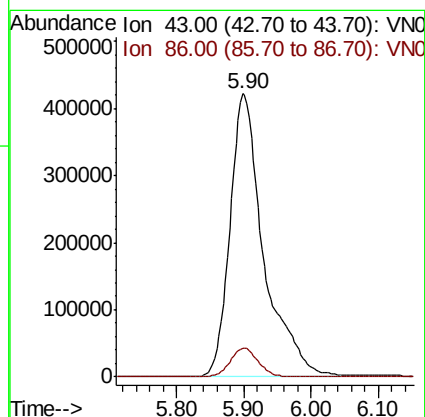
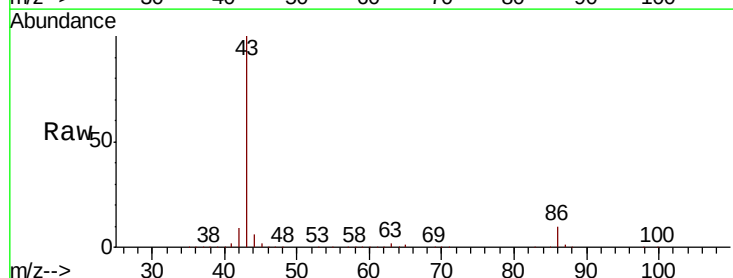
RT: 5.90 min Scan# 1283

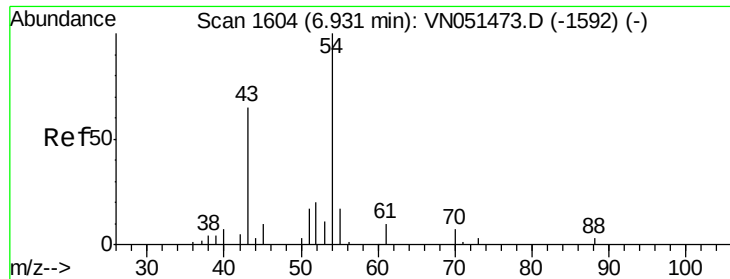
Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Tgt Ion:	43	Resp:	1470595
Ion Ratio	Lower	Upper	
43	100		
86	8.4	6.5	9.7





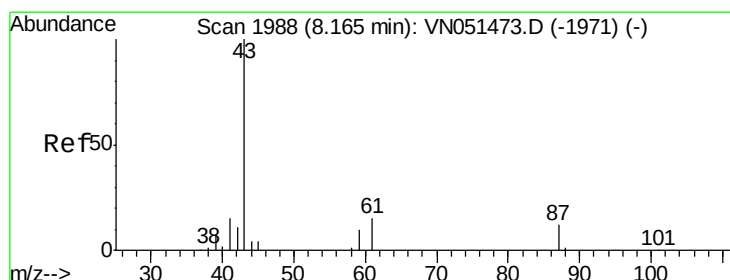
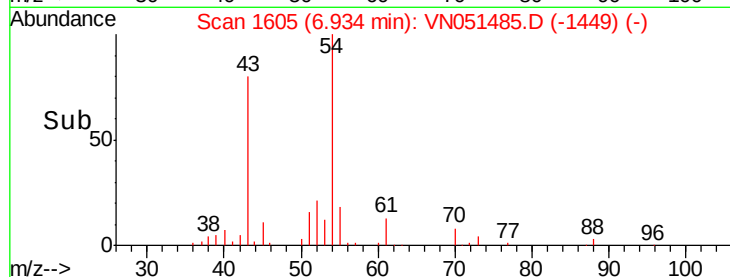
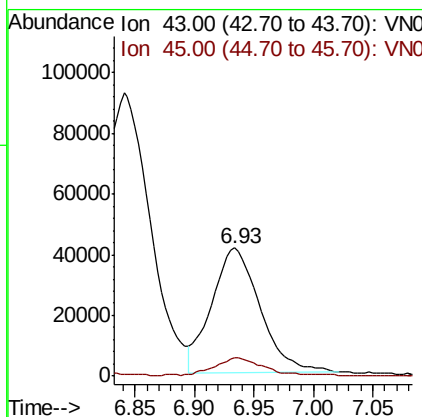
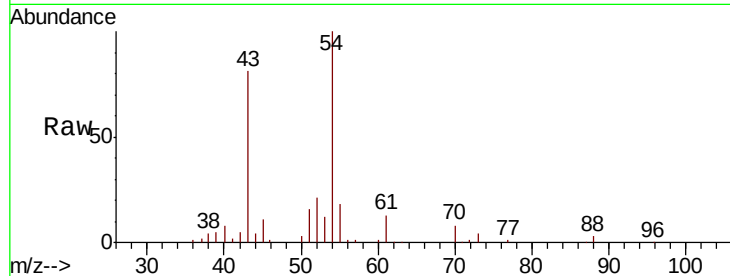
#43
Ethyl Acetate
Concen: 22.877 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion: 43 Resp: 116106
Ion Ratio Lower Upper
43 100
45 12.6 11.0 16.6

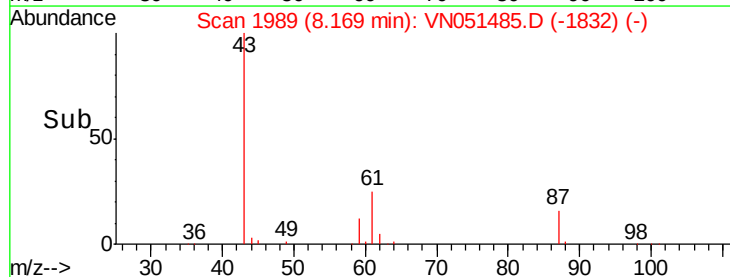
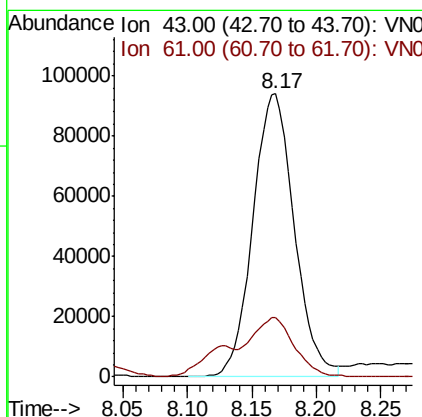
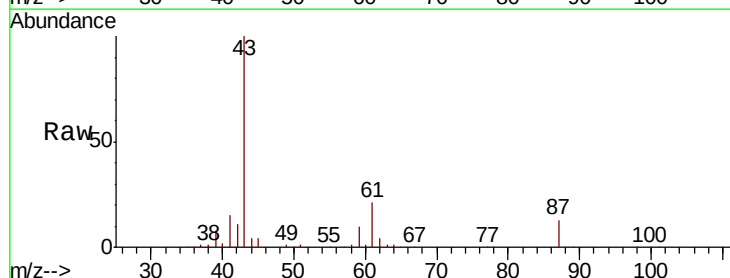
Manual Integrations
APPROVED

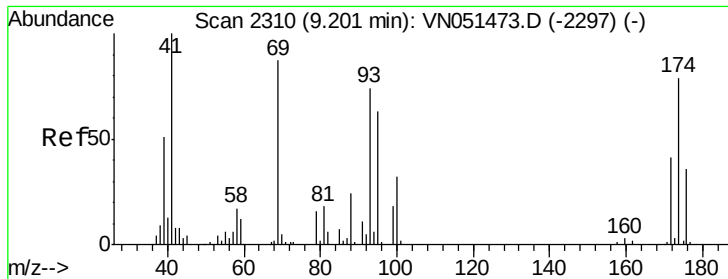
MMDadoda
10/1/2018 11:21:33 AM



#44
Isopropyl Acetate
Concen: 21.596 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Tgt Ion: 43 Resp: 210804
Ion Ratio Lower Upper
43 100
61 20.2 15.9 23.9





#45

1,4-Dioxane

Concen: 419.908 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.01 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

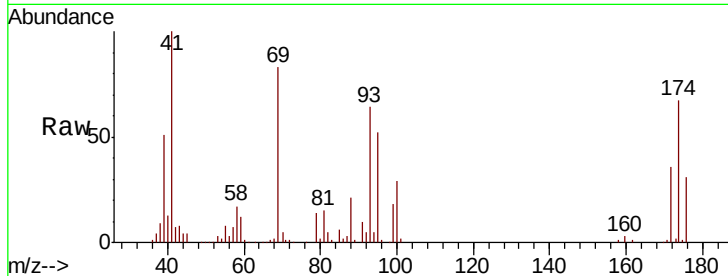
ClientSampleId :

VN0925WBSD01

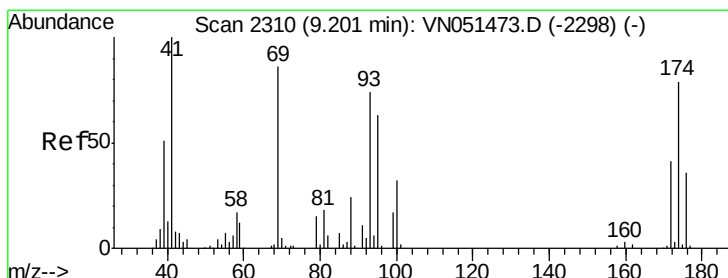
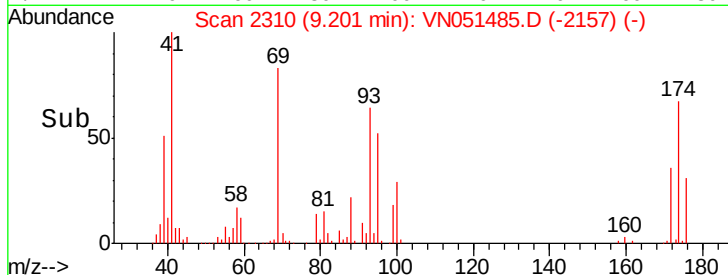
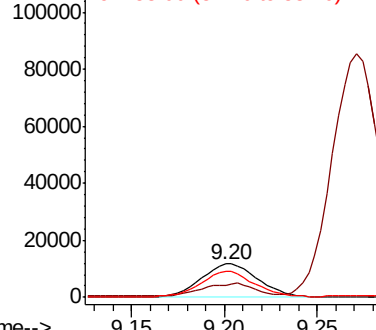
Tot Ion:	88	Resp:	24936
Ion	Ratio	Lower	Upper
88	100		
43	34.8	26.2	39.2
58	74.4	65.6	98.4

Manual Integrations
APPROVED

MMDadoda
10/1/2018 11:21:33 AM



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 20.789 ug/l

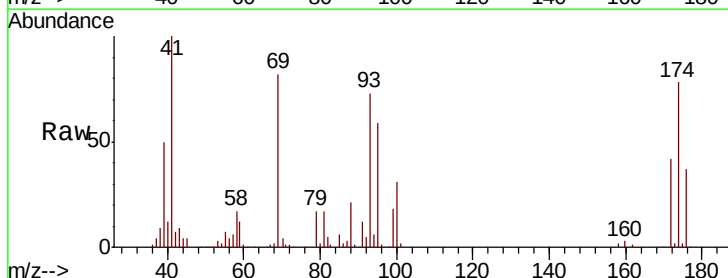
RT: 9.20 min Scan# 2311

Delta R.T. 0.01 min

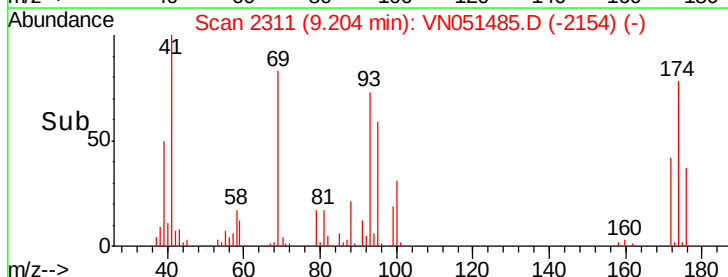
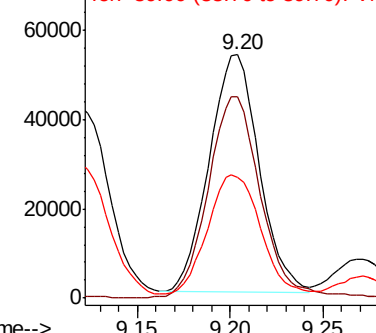
Lab File: VN051485.D

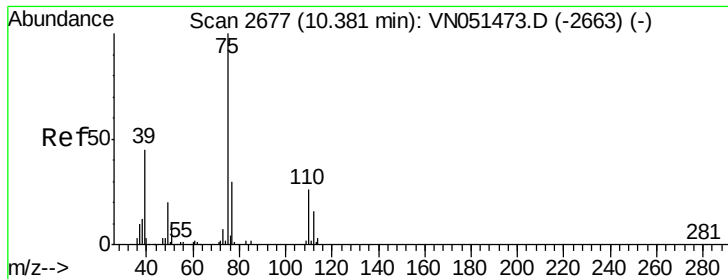
Acq: 25 Sep 2018 15:16

Tgt Ion:	41	Resp:	100492
Ion	Ratio	Lower	Upper
41	100		
69	84.0	40.7	122.1
39	49.4	27.3	81.9



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





#48

t-1,3-Dichloropropene

Concen: 21.440 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion: 75 Resp: 203180

Ion Ratio Lower Upper

75 100

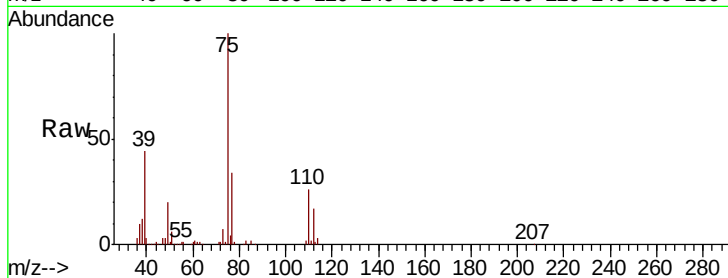
77 33.3 24.6 37.0

Manual Integrations

APPROVED

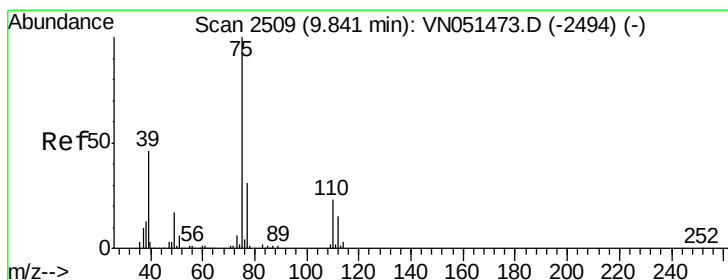
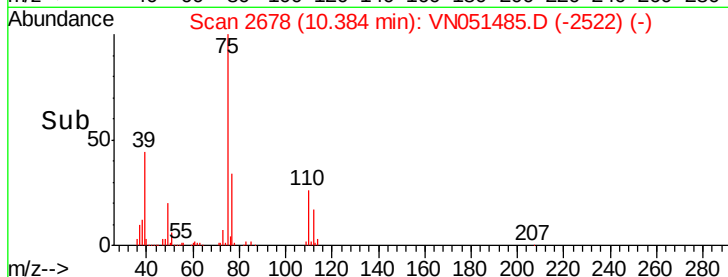
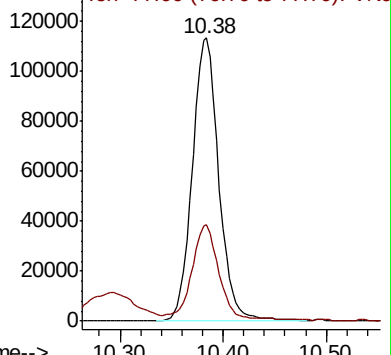
MMDadoda

10/1/2018 11:21:33 AM



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#49

cis-1,3-Dichloropropene

Concen: 21.385 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

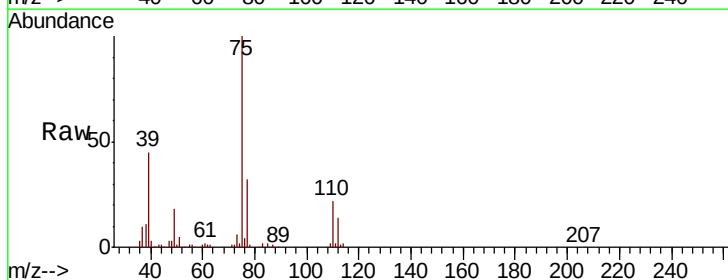
Tgt Ion: 75 Resp: 234592

Ion Ratio Lower Upper

75 100

77 32.0 23.2 34.8

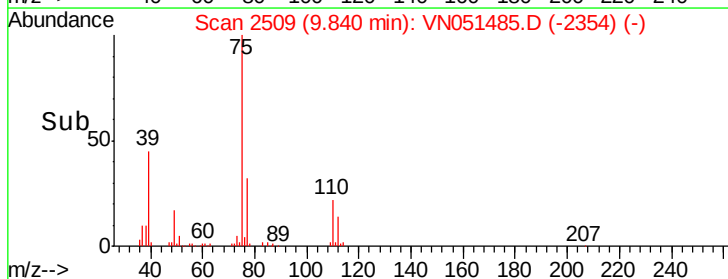
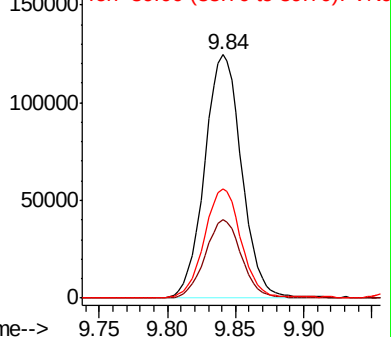
39 44.8 34.6 52.0

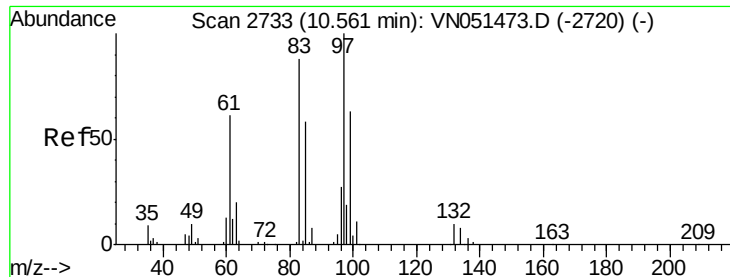


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





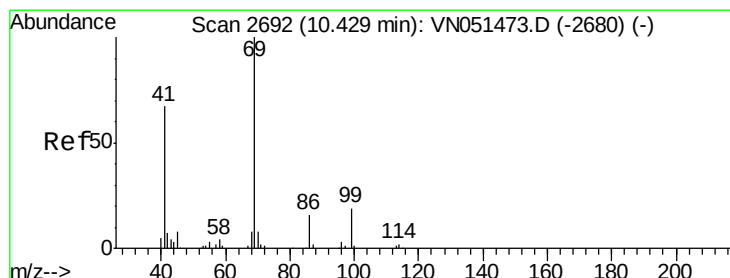
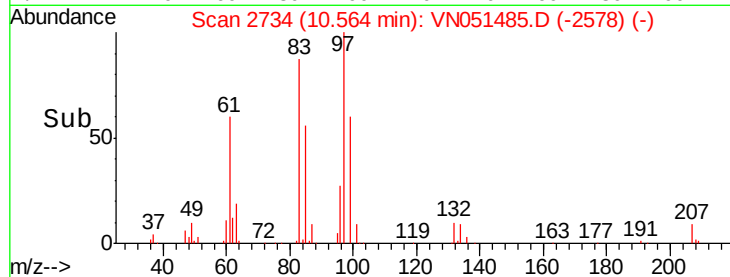
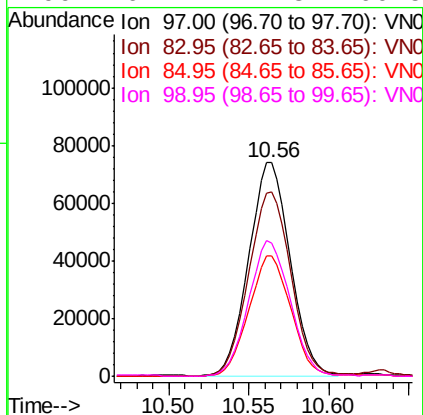
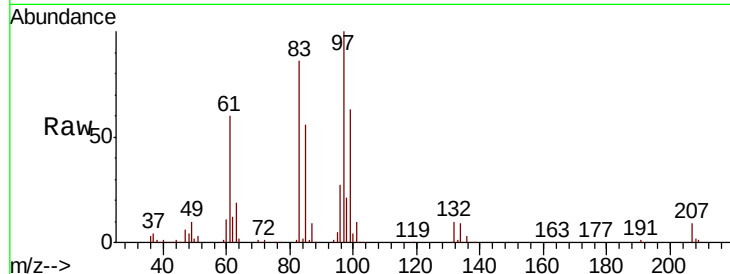
#50
 1,1,2-Trichloroethane
 Concen: 21.081 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0925WBSD01

Tot Ion:	97	Resp:	130839
Ion	Ratio	Lower	Upper
97	100		
83	86.3	68.2	102.4
85	56.6	42.5	63.7
99	62.7	44.3	66.5

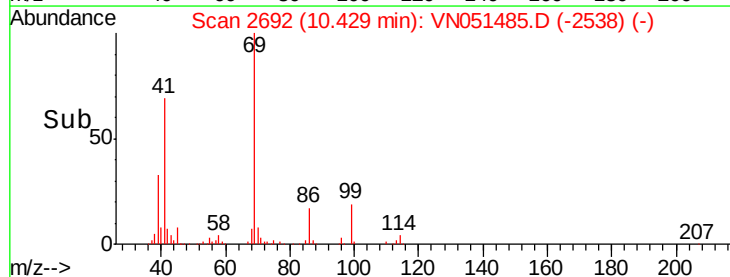
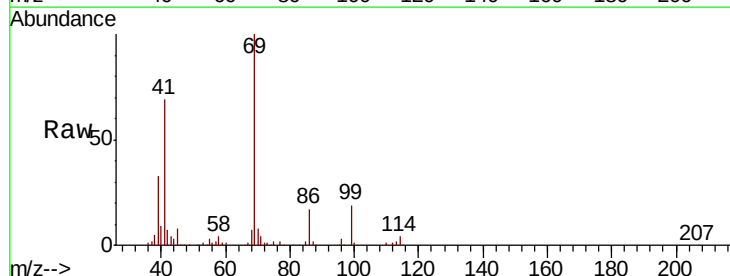
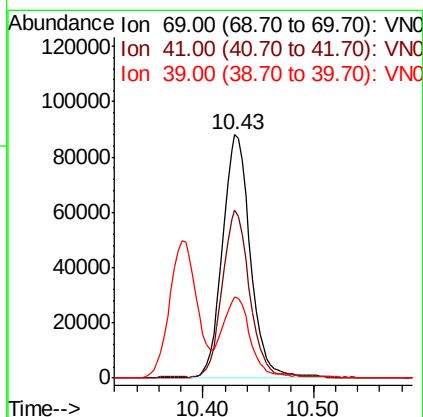
Manual Integrations
 APPROVED

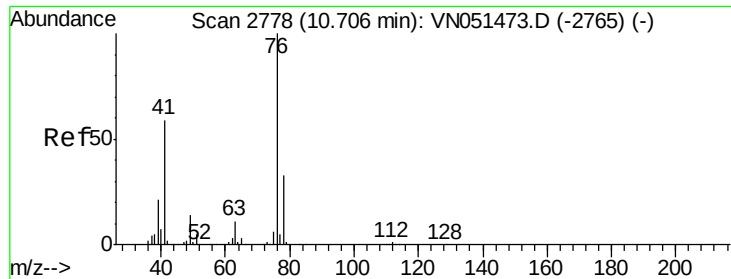
MMDadoda
 10/1/2018 11:21:33 AM



#51
 Ethyl methacrylate
 Concen: 21.093 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion:	69	Resp:	154942
Ion	Ratio	Lower	Upper
69	100		
41	68.8	34.4	103.1
39	32.6	16.3	48.8





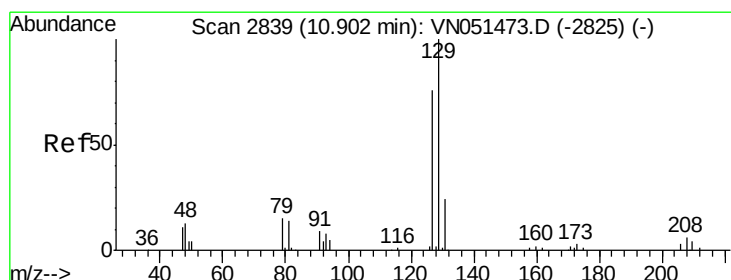
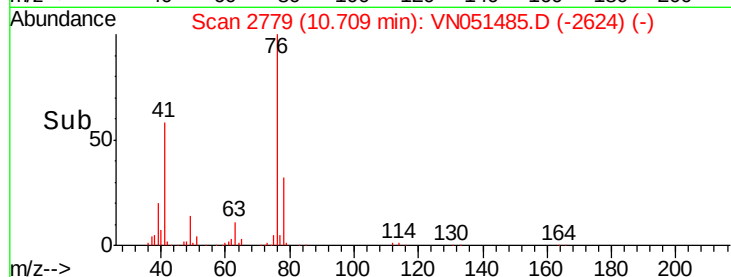
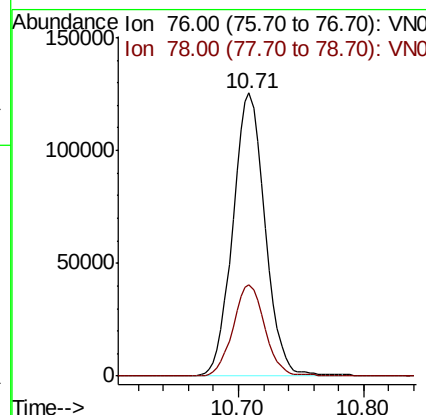
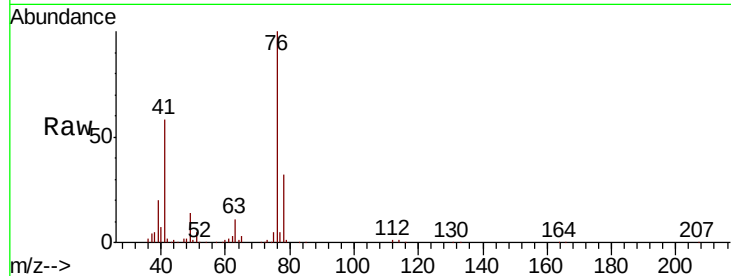
#52
 1,3-Dichloropropane
 Concen: 21.349 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	31.9	0.0	67.6	

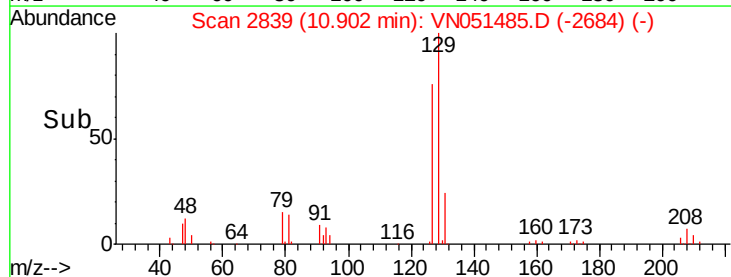
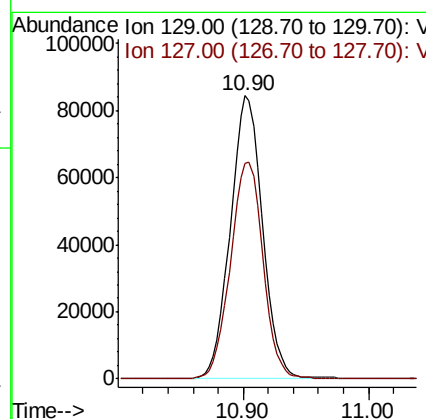
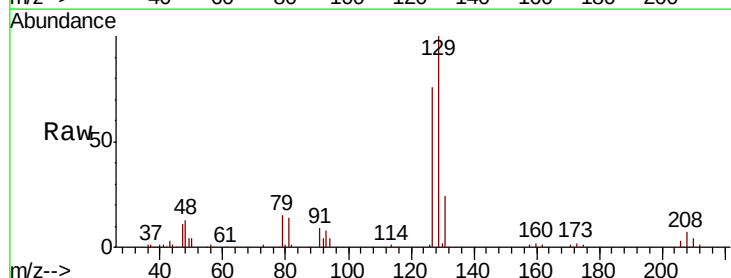
Manual Integrations
 APPROVED

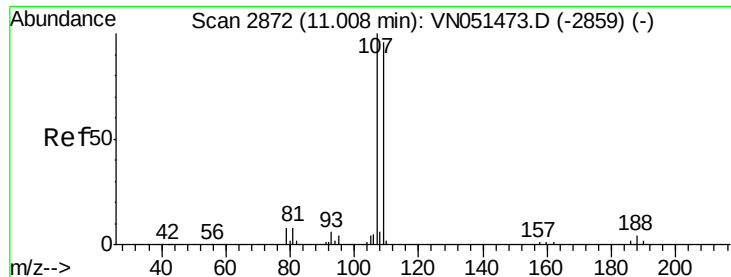
MMDadoda
 10/1/2018 11:21:33 AM



#53
 Dibromochloromethane
 Concen: 21.024 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.6	40.2	120.5	





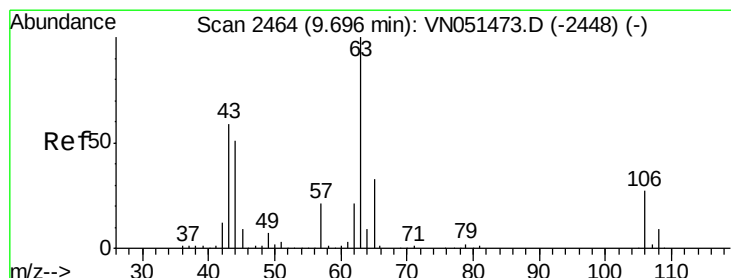
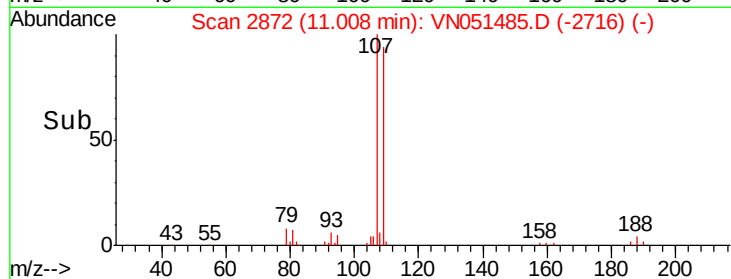
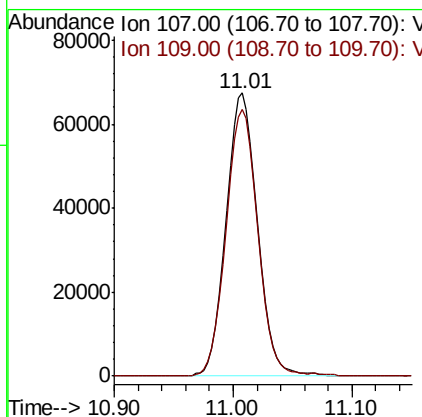
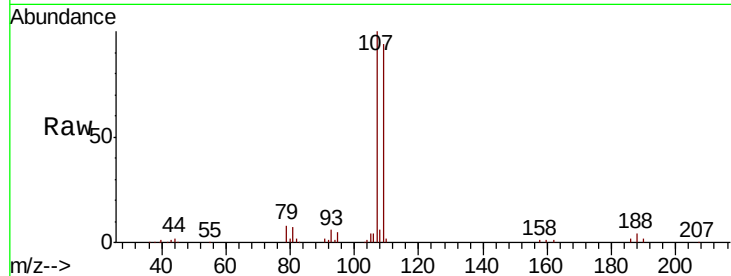
#54
 1,2-Dibromoethane
 Concen: 20.585 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	77.4	116.0

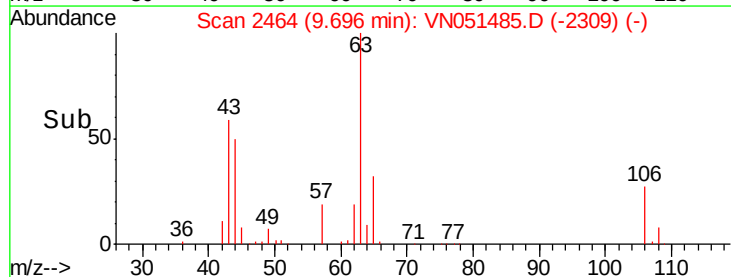
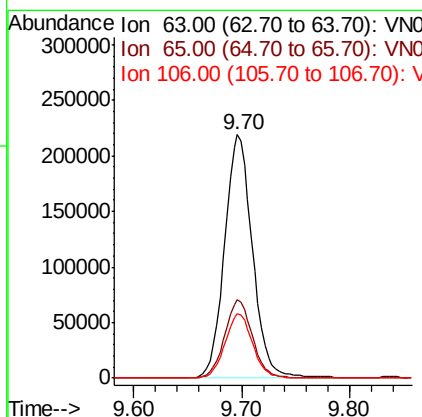
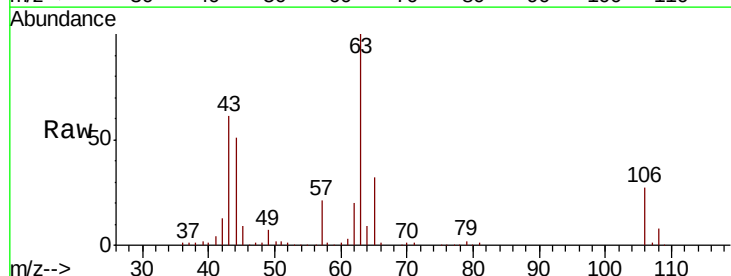
Manual Integrations
 APPROVED

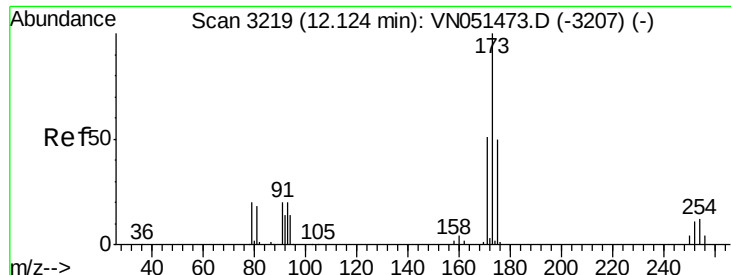
MMDadoda
 10/1/2018 11:21:33 AM



#55
 2-Chloroethyl vinyl ether
 Concen: 108.775 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.4	38.0
106	26.0	21.2	31.8





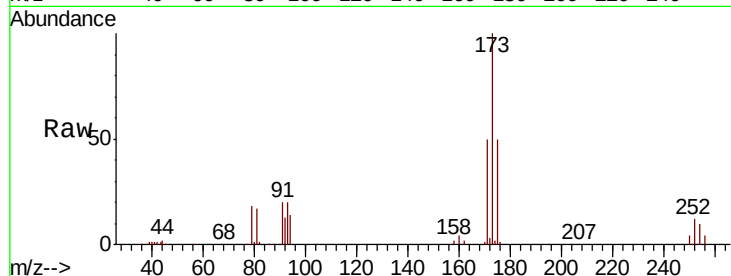
#56
Bromoform
Concen: 20.258 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.5	35.8	53.8
254	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/1/2018 11:21:33 AM

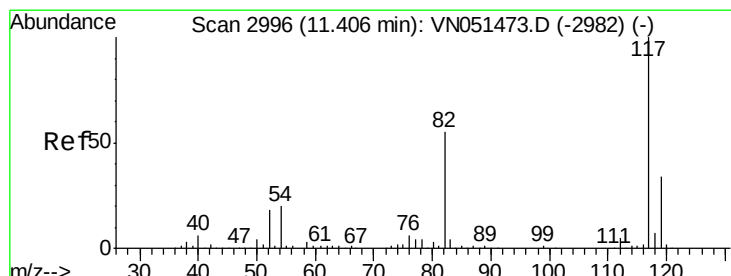
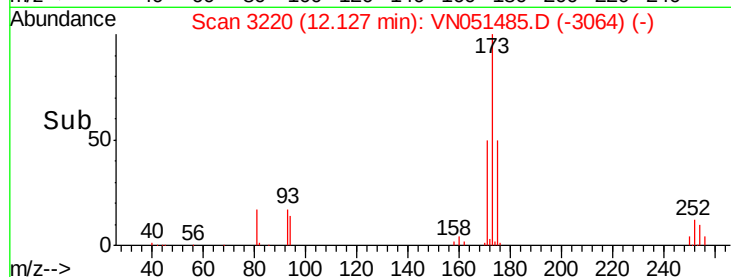
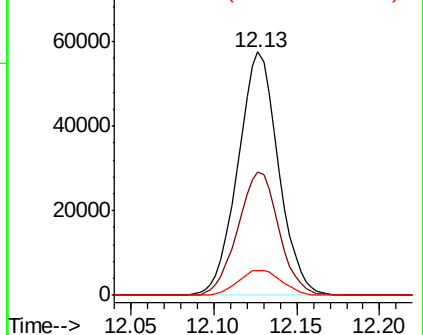


Abundance

Ion 173.00 (172.70 to 173.70): V

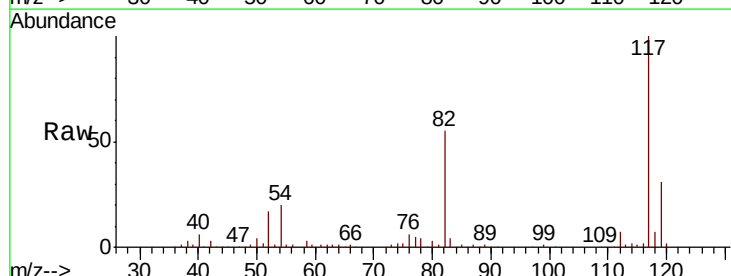
Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.1	66.1
119	31.6	25.8	38.8

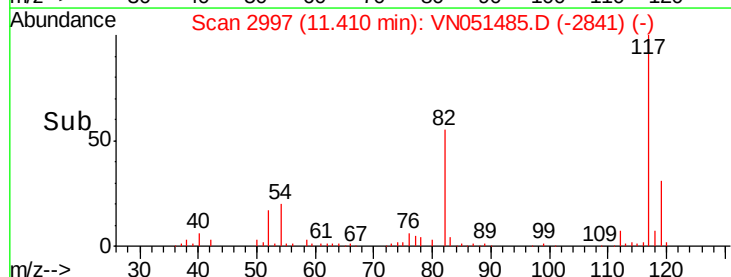
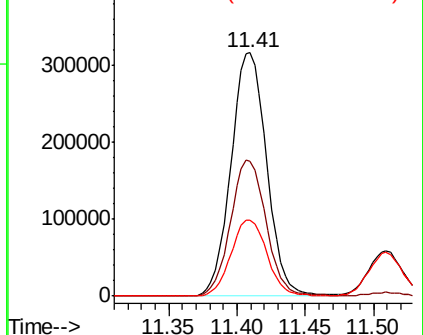


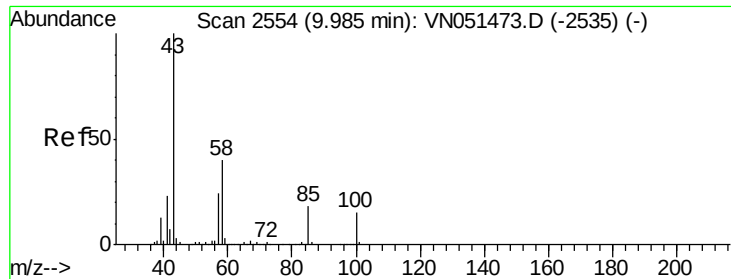
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V





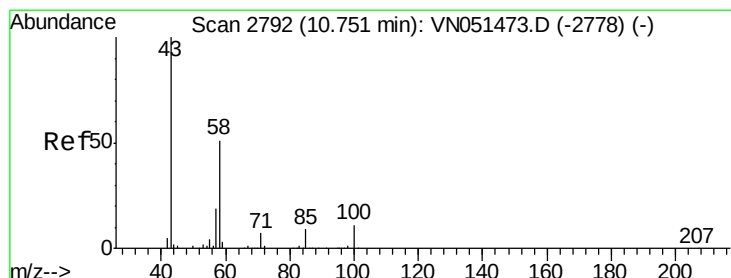
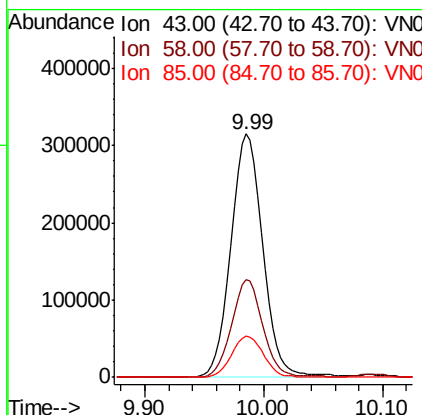
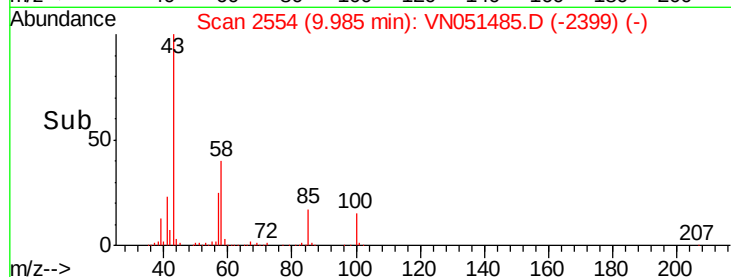
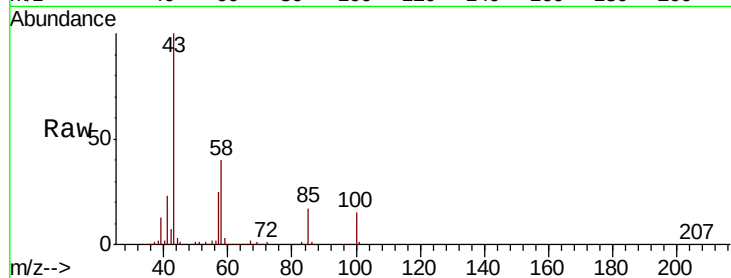
#58
 4-Methyl-2-Pentanone
 Concen: 115.841 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.1	29.3	43.9
85	17.2	12.6	18.8

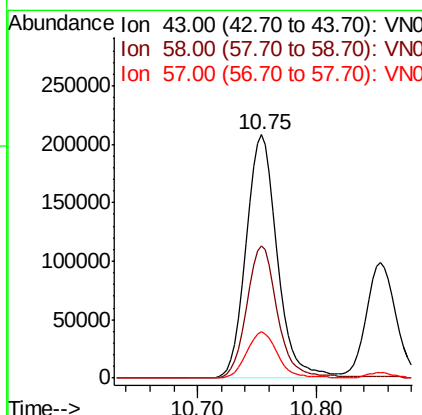
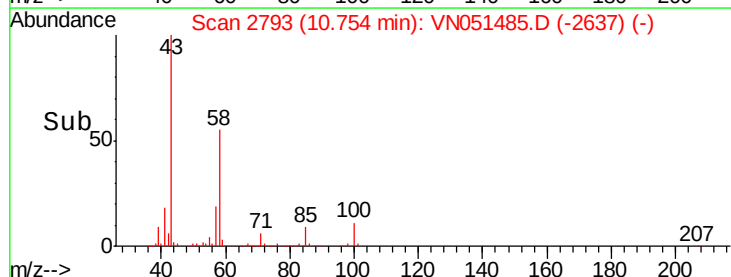
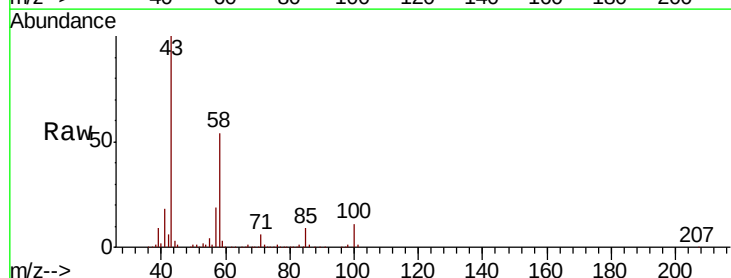
Manual Integrations
 APPROVED

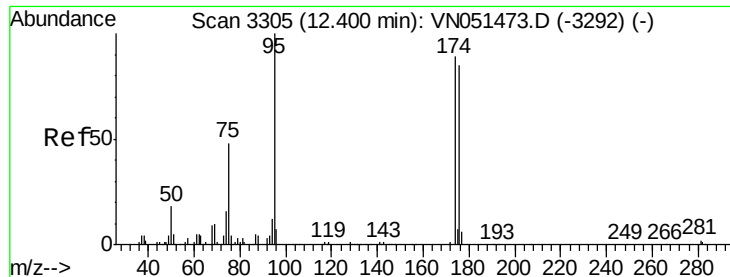
MMDadoda
 10/1/2018 11:21:33 AM



#59
 2-Hexanone
 Concen: 113.217 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion	Ratio	Lower	Upper
43	100		
58	54.1	41.3	61.9
57	19.1	13.4	20.0





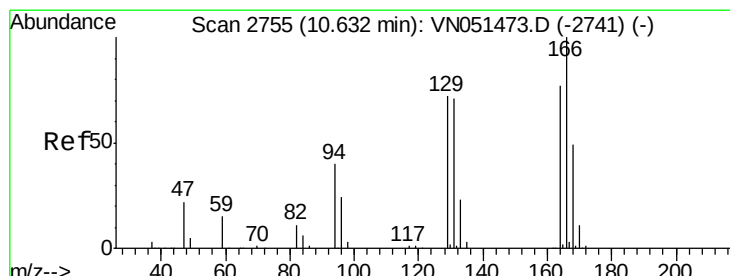
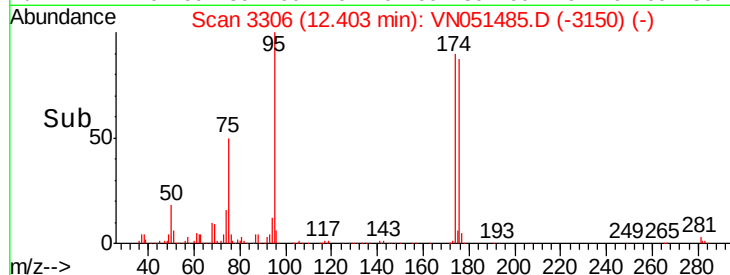
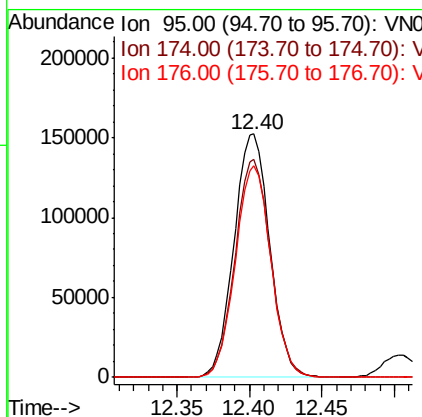
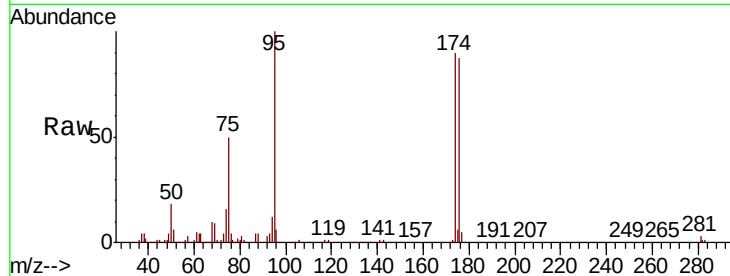
#60
4-Bromofluorobenzene
Concen: 30.933 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
95	100	260629		
174	89.5	73.5	110.3	
176	86.6	70.2	105.2	

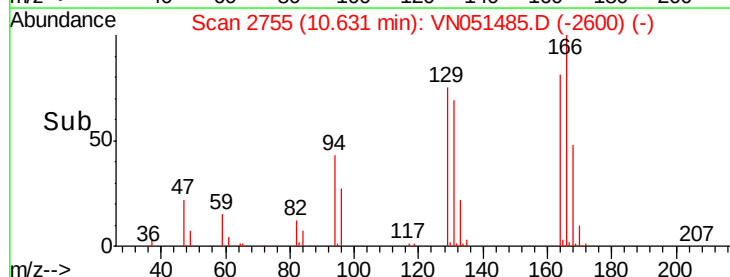
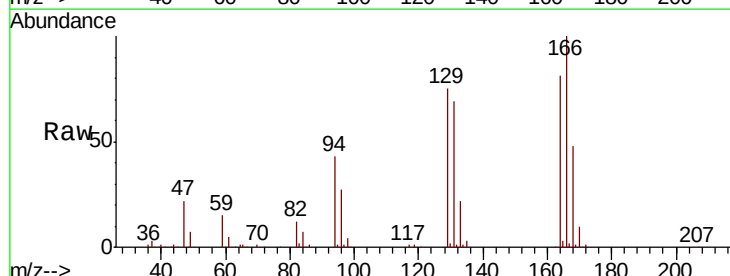
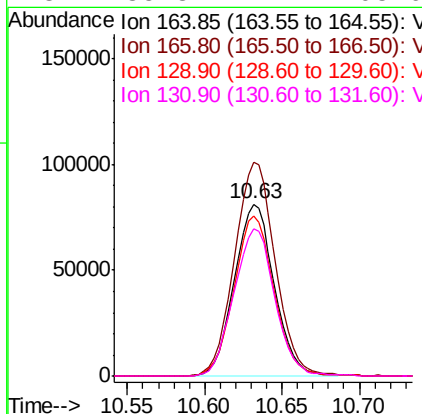
Manual Integrations
APPROVED

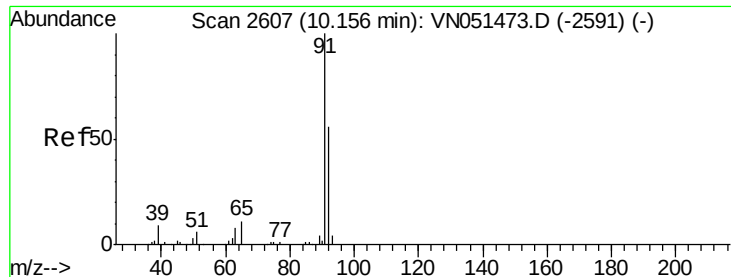
MMDadoda
10/1/2018 11:21:33 AM



#61
Tetrachloroethene
Concen: 21.775 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	145384		
166	124.2	98.7	148.1	
129	93.2	69.6	104.4	
131	85.3	72.4	108.6	





#62

Toluene

Concen: 21.691 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion: 91 Resp: 637265

Ion Ratio Lower Upper

91 100

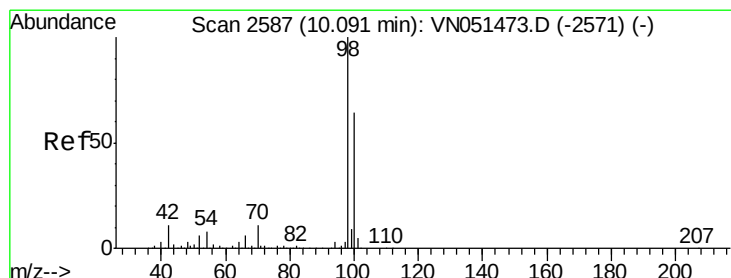
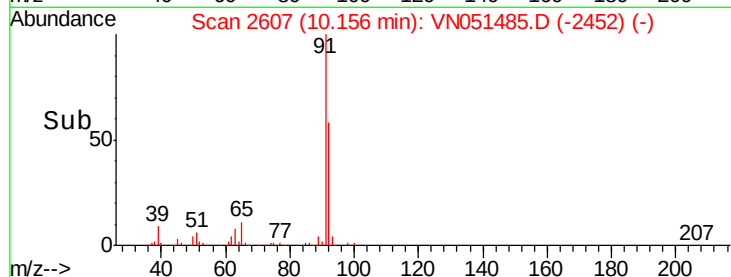
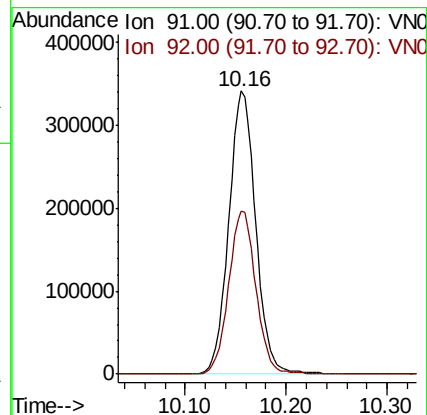
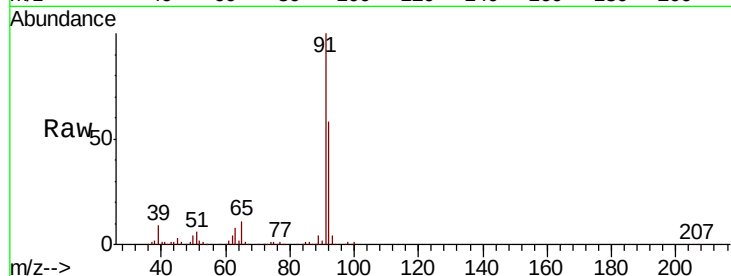
92 58.3 44.6 66.8

Manual Integrations

APPROVED

MMDadoda

10/1/2018 11:21:33 AM



#63

Toluene-d8

Concen: 30.653 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051485.D

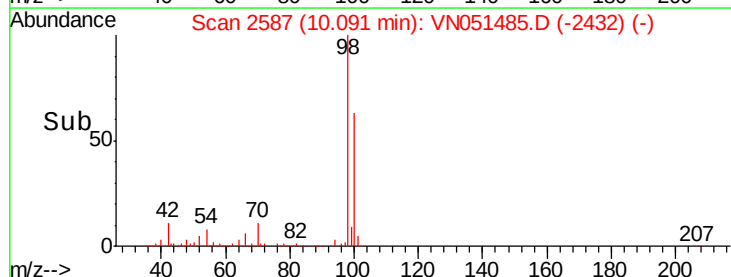
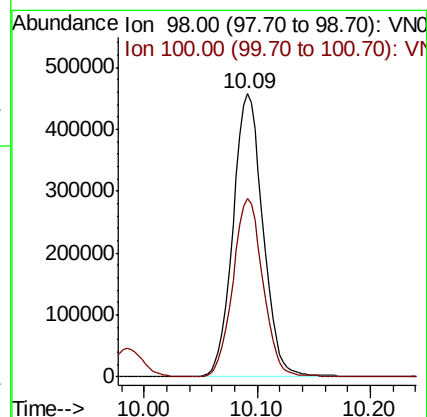
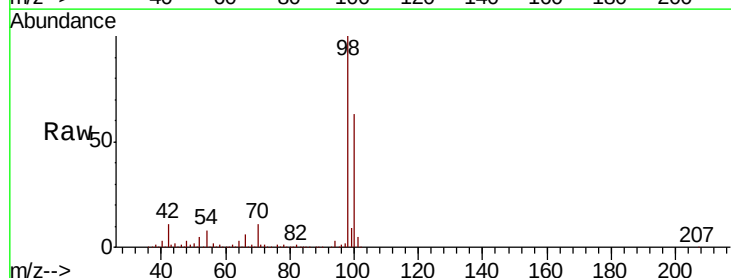
Acq: 25 Sep 2018 15:16

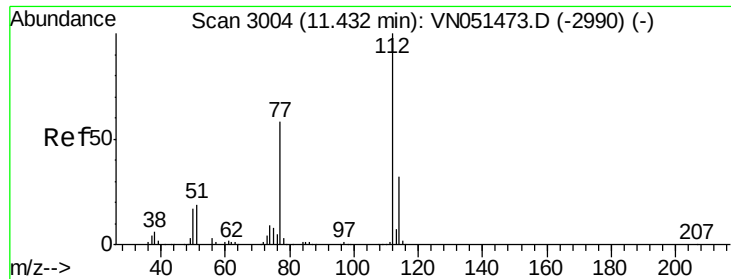
Tgt Ion: 98 Resp: 843452

Ion Ratio Lower Upper

98 100

100 62.9 50.8 76.2





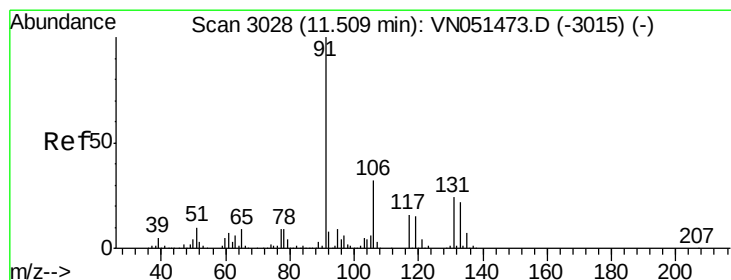
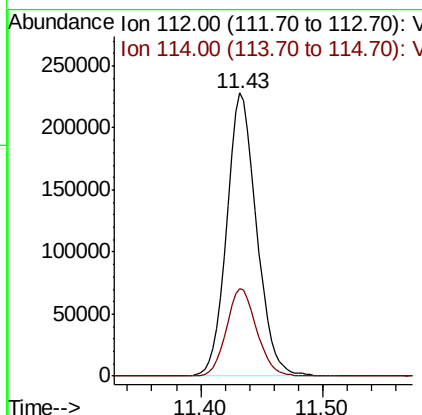
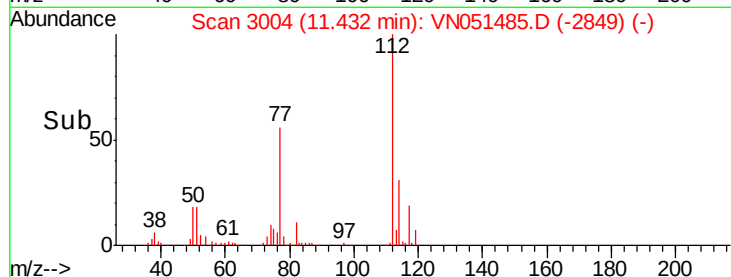
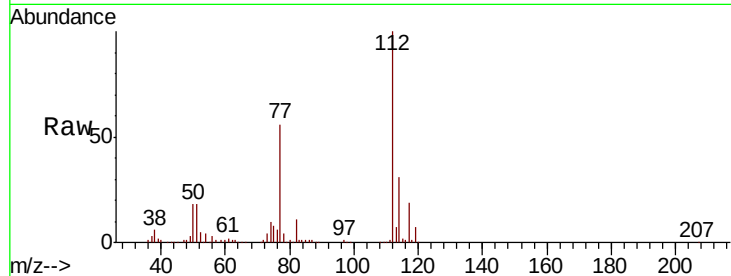
#64
Chlorobenzene
Concen: 21.663 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	27.5	41.3

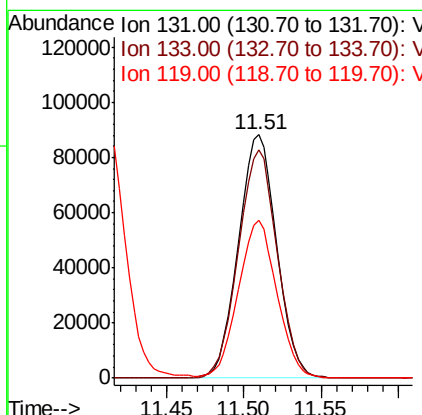
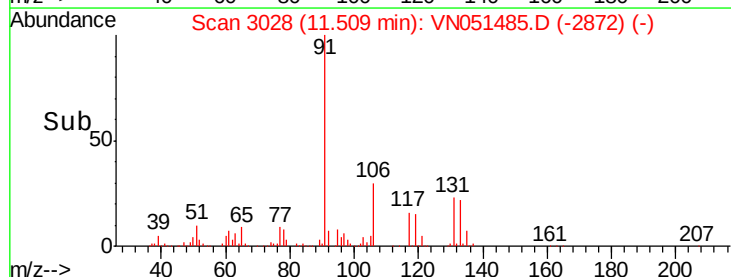
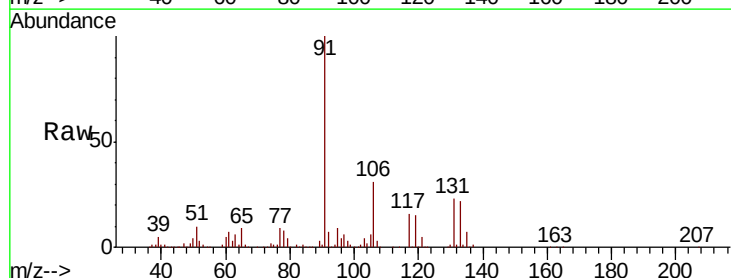
Manual Integrations
APPROVED

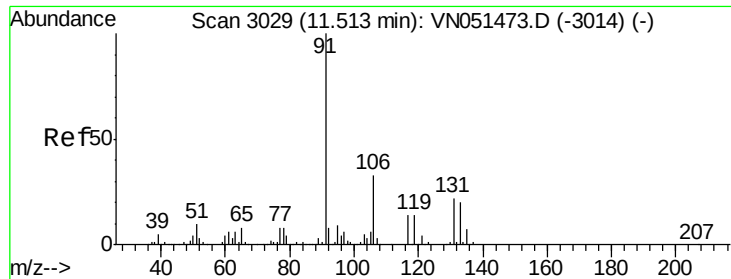
MMDadoda
10/1/2018 11:21:33 AM



#65
1,1,1,2-Tetrachloroethane
Concen: 21.806 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	0.0	190.4
119	65.2	0.0	128.0





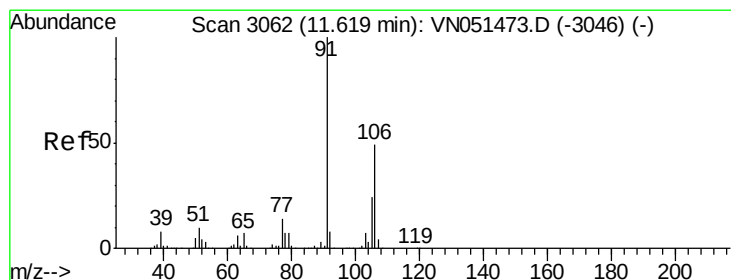
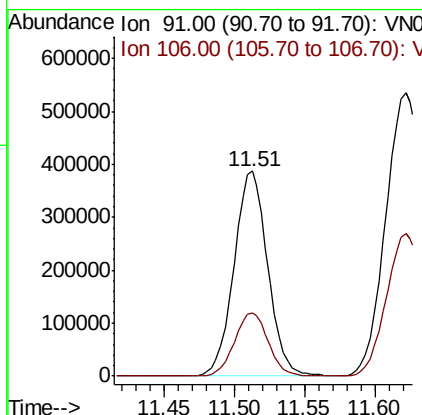
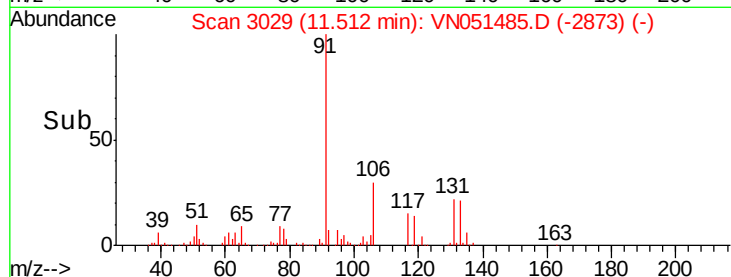
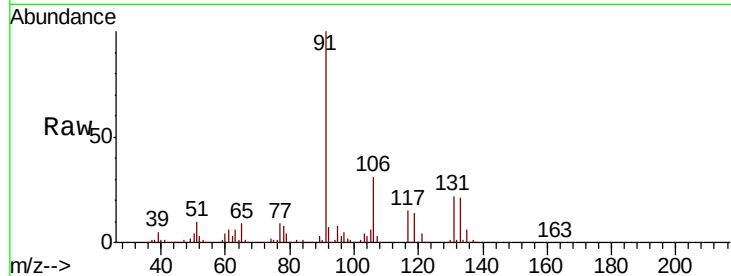
#66
Ethyl Benzene
Concen: 21.368 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Instrument :
MSVOA_N
ClientSampled :
VN0925WBSD01

Tot Ion: 91 Resp: 647652
Ion Ratio Lower Upper
91 100
106 31.0 25.9 38.9

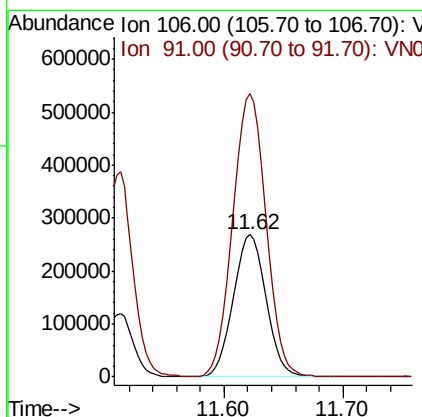
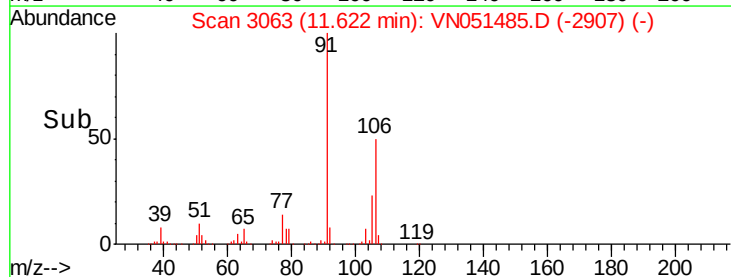
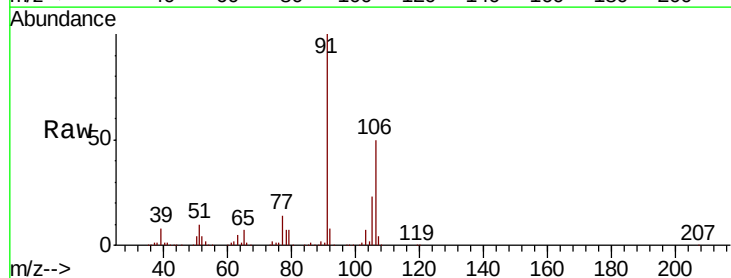
Manual Integrations
APPROVED

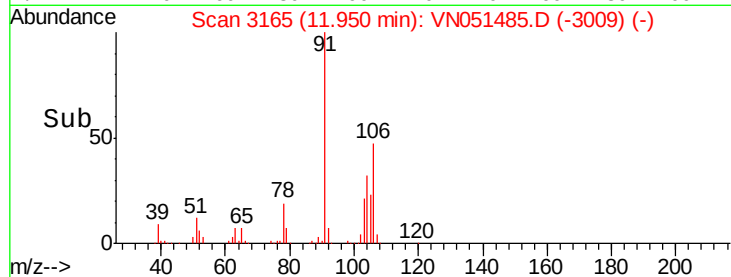
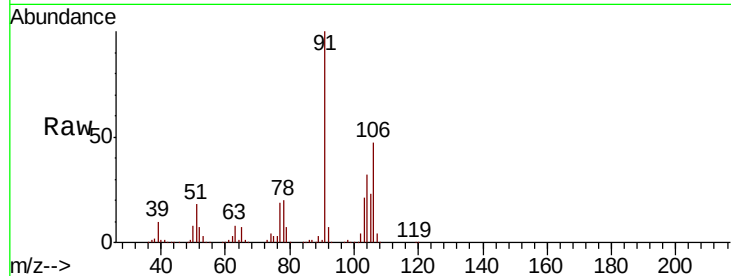
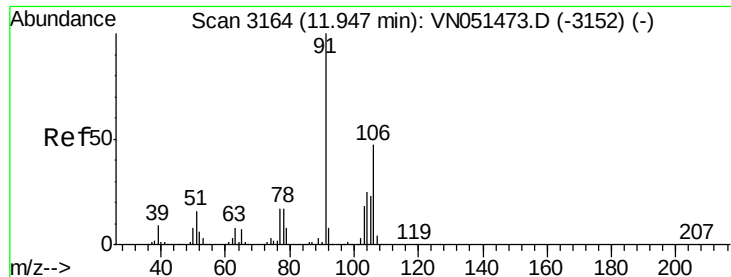
MMDadoda
10/1/2018 11:21:33 AM



#67
m/p-Xylenes
Concen: 44.007 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Tgt Ion: 106 Resp: 513477
Ion Ratio Lower Upper
106 100
91 202.0 158.8 238.2





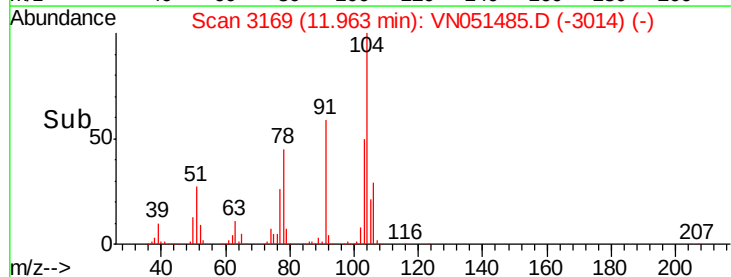
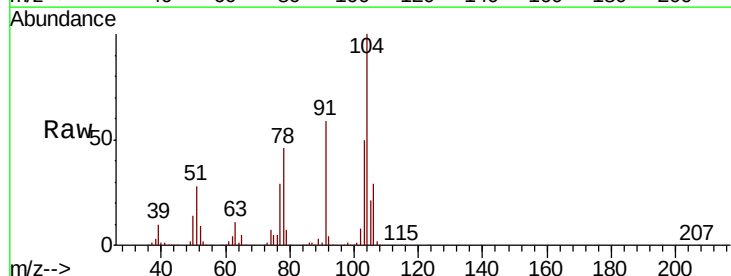
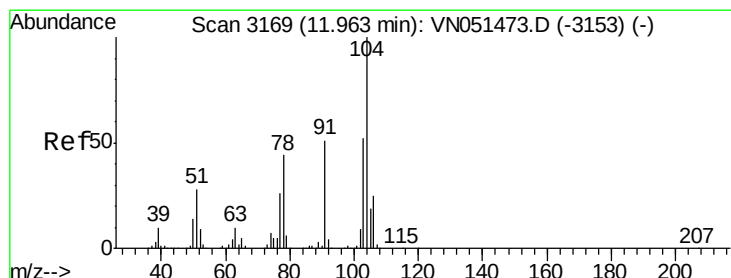
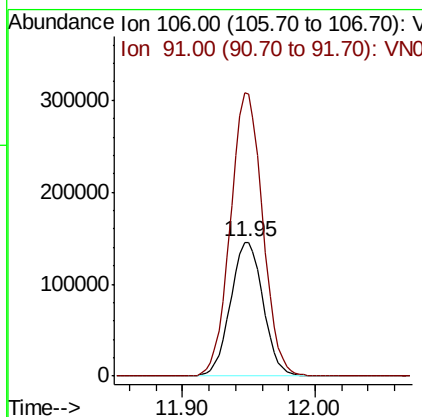
#68
o-Xylene
Concen: 22.339 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Tot Ion	Ratio	Resp	Lower	Upper
106	100	248256		
91	209.9	111.1	333.3	

Instrument :
MSVOA_N
ClientSampled :
VN0925WBSD01

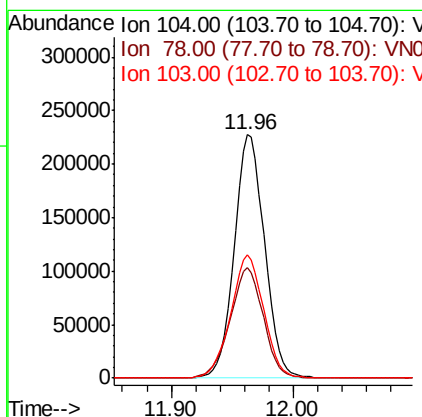
Manual Integrations
APPROVED

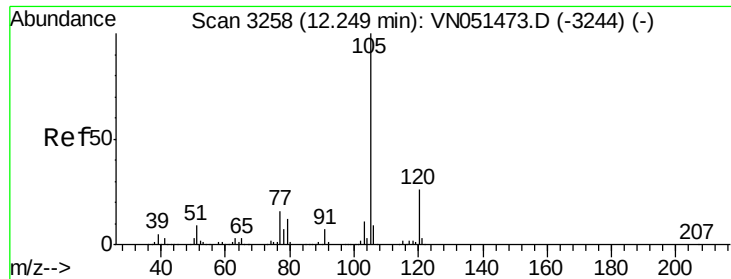
MMDadoda
10/1/2018 11:21:33 AM



#69
Styrene
Concen: 22.268 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	390904		
78	49.7	40.6	60.8	
103	55.0	44.0	66.0	





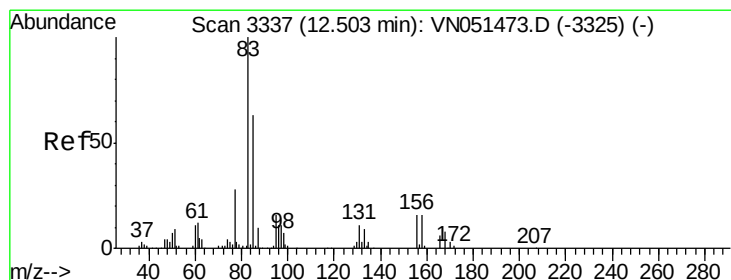
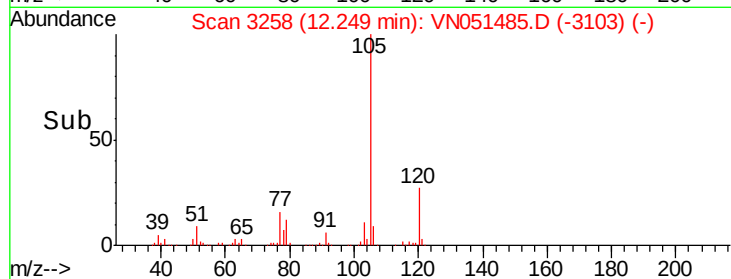
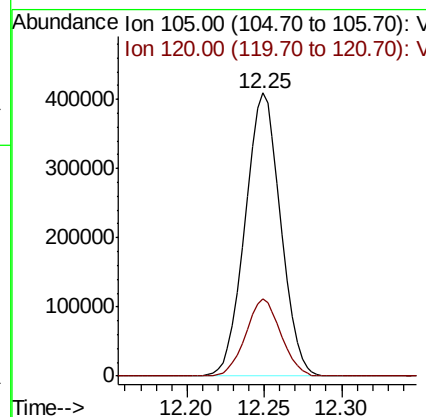
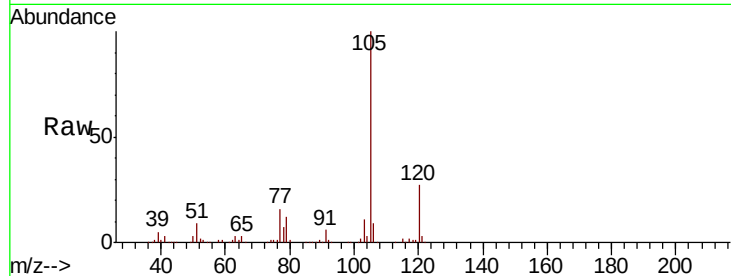
#70
Isopropylbenzene
Concen: 21.978 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	19.0	35.4

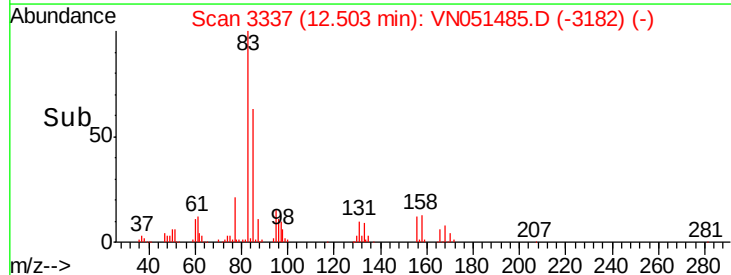
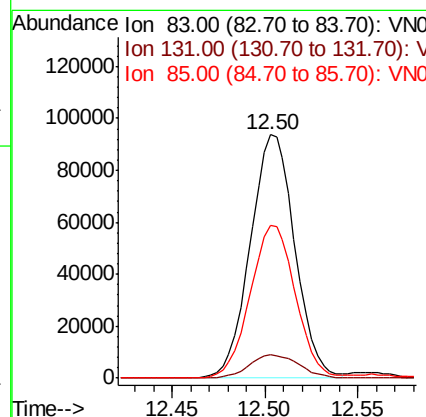
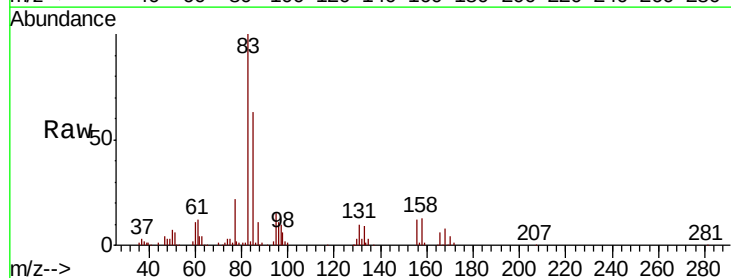
Manual Integrations
APPROVED

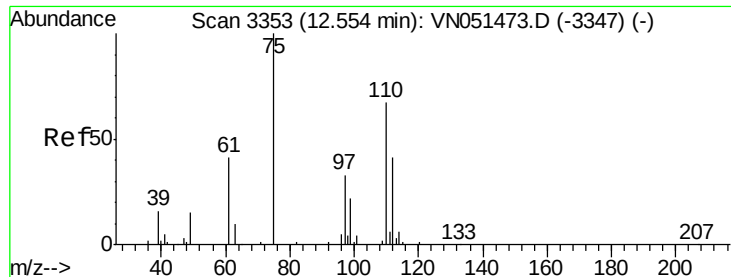
MMDadoda
10/1/2018 11:21:33 AM



#71
1,1,2,2-Tetrachloroethane
Concen: 22.450 ug/l
RT: 12.50 min Scan# 3337
Delta R.T. -0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.5	16.4
85	63.8	30.6	91.8





#72

1,2,3-Trichloropropane

Concen: 23.477 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion: 75 Resp: 129617

Ion Ratio Lower Upper

75 100

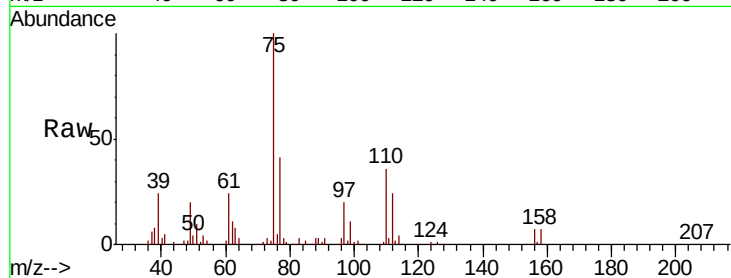
77 233.5 0.0 400.0

Manual Integrations

APPROVED

MMDadoda

10/1/2018 11:21:33 AM



Abundance Ion 75.00 (74.70 to 75.70): VN051473.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN051473.D (-3347) (-)

150000

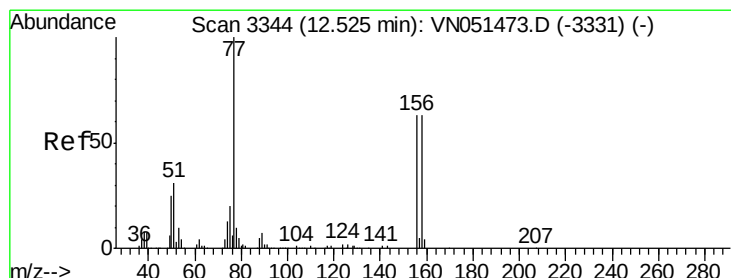
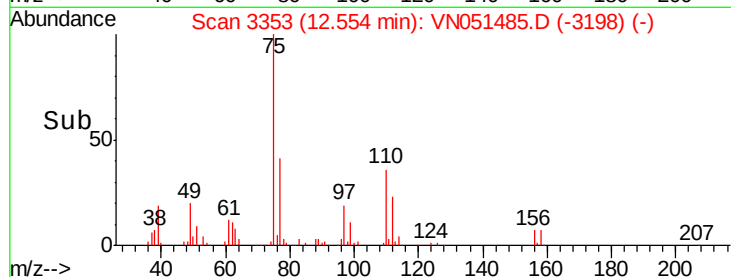
100000

50000

0

12.55

Time-->



#73

Bromobenzene

Concen: 21.187 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

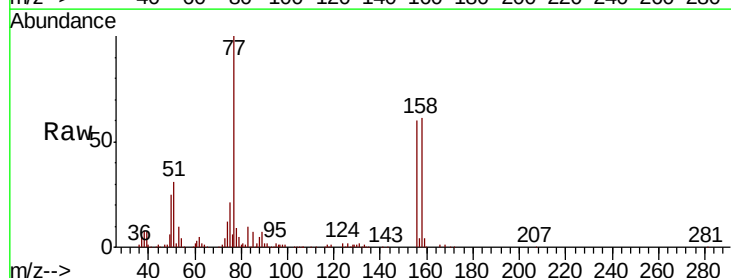
Tgt Ion: 156 Resp: 158811

Ion Ratio Lower Upper

156 100

77 190.6 0.0 377.4

158 99.2 0.0 203.0



Abundance Ion 156.00 (155.70 to 156.70): VN051473.D (-3331) (-)

Ion 77.00 (76.70 to 77.70): VN051473.D (-3331) (-)

Ion 158.00 (157.70 to 158.70): VN051473.D (-3331) (-)

200000

150000

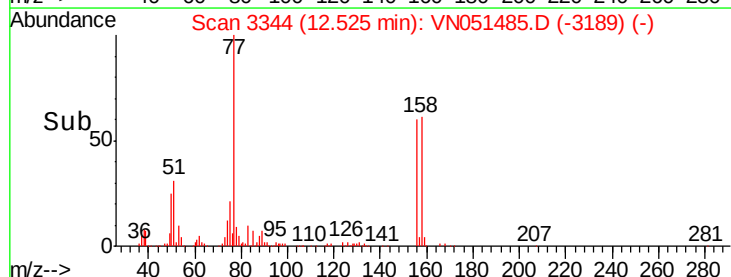
100000

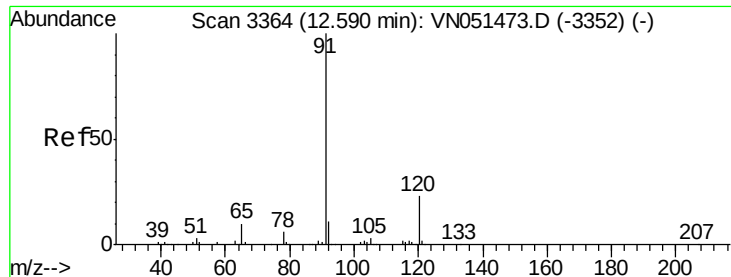
50000

0

12.53

Time-->





#74

n-propylbenzene

Concen: 21.538 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampled :

VN0925WBSD01

Tot Ion: 91 Resp: 744706

Ion Ratio Lower Upper

91 100

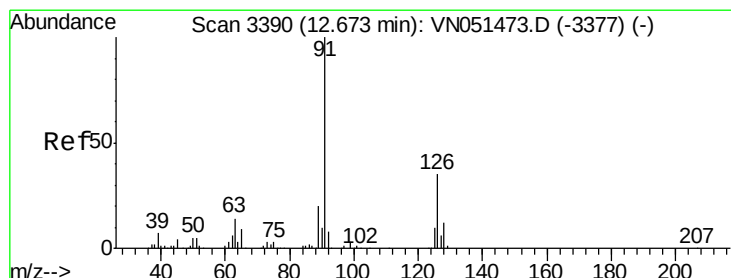
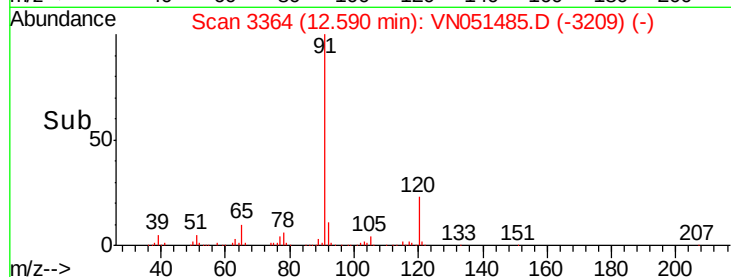
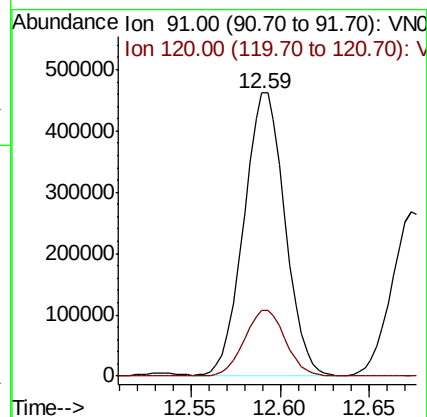
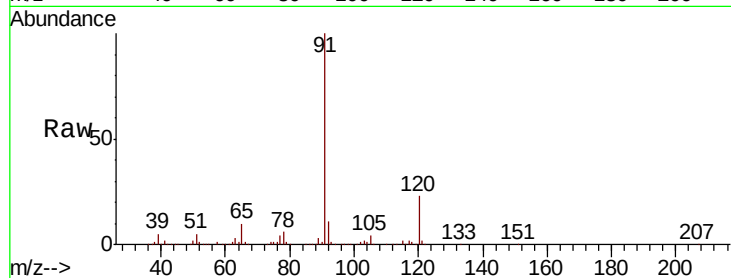
120 23.2 0.0 45.0

Manual Integrations

APPROVED

MMDadoda

10/1/2018 11:21:33 AM



#75

2-Chlorotoluene

Concen: 21.925 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051485.D

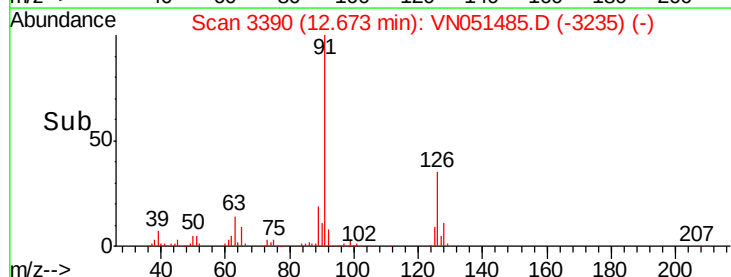
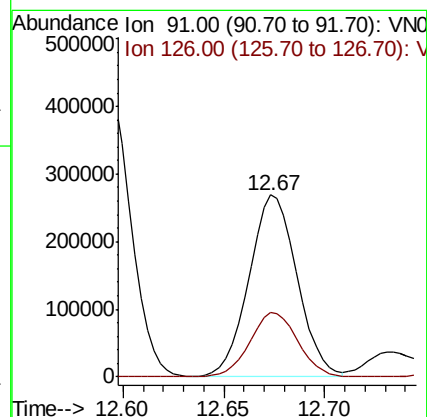
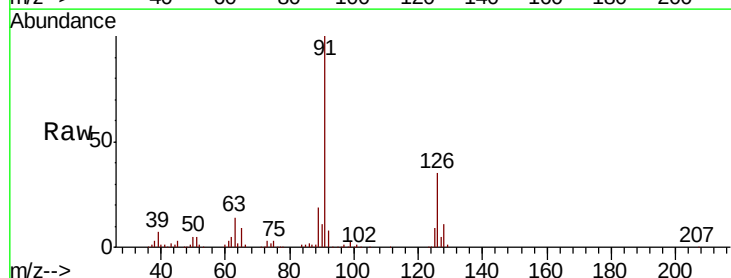
Acq: 25 Sep 2018 15:16

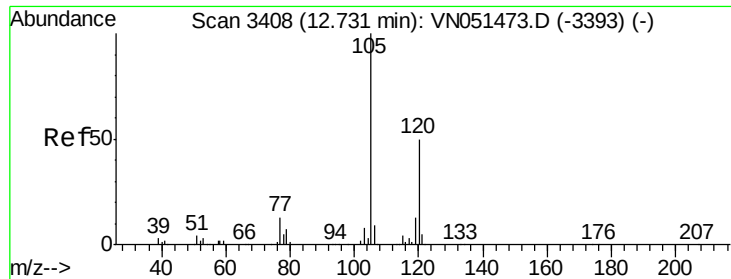
Tgt Ion: 91 Resp: 447392

Ion Ratio Lower Upper

91 100

126 35.6 0.0 67.6





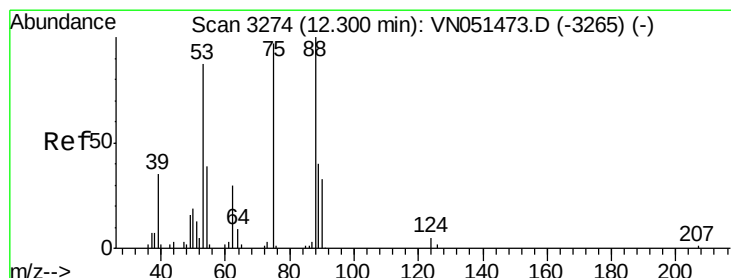
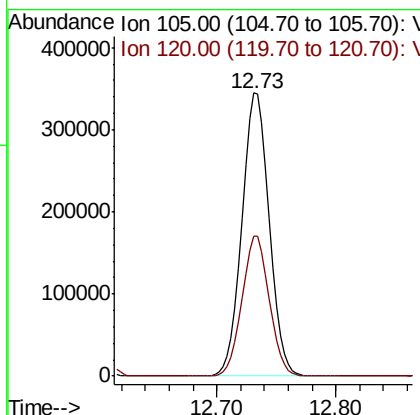
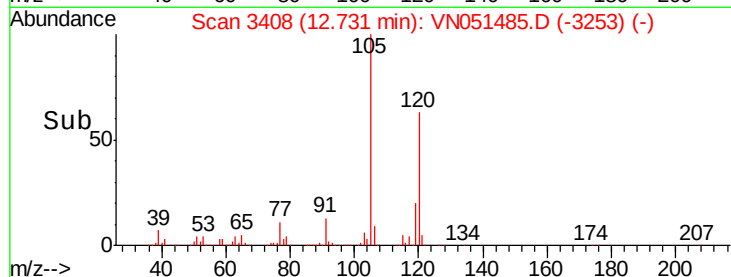
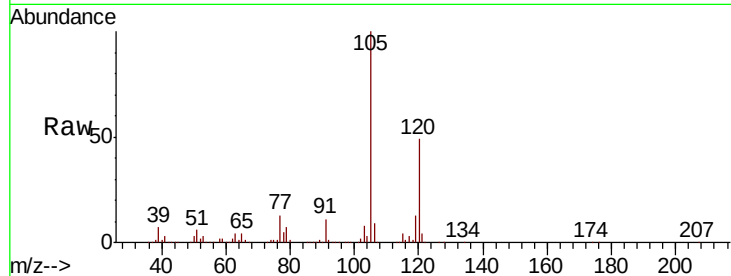
#76
 1,3,5-Trimethylbenzene
 Concen: 22.293 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	547104		
120	49.4	0.0	98.2	

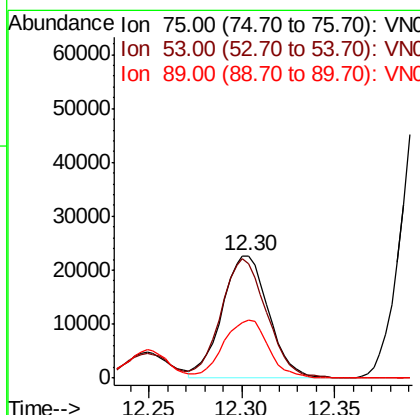
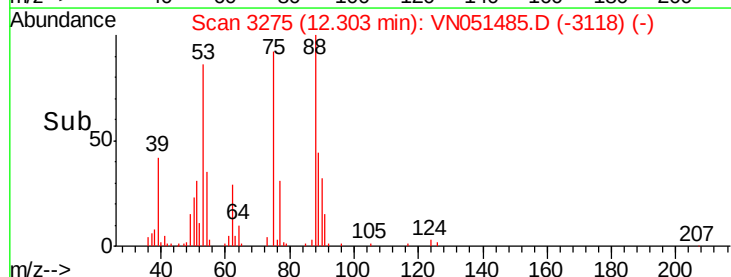
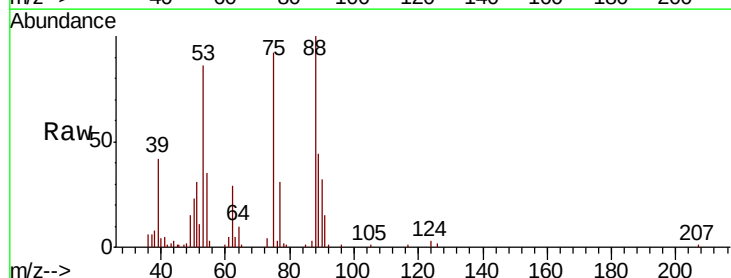
Manual Integrations
 APPROVED

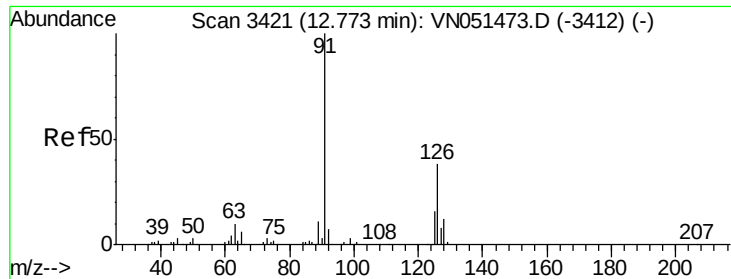
MMDadoda
 10/1/2018 11:21:33 AM



#77
 t-1,4-Dichloro-2-butene
 Concen: 20.753 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.01 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	39513		
53	93.2	46.3	138.9	
89	48.0	24.6	73.8	





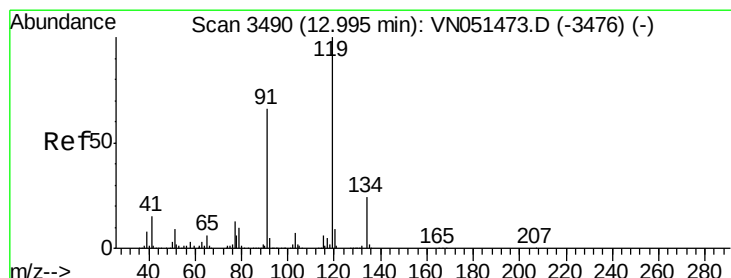
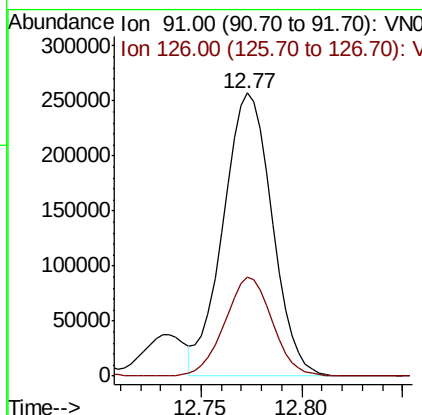
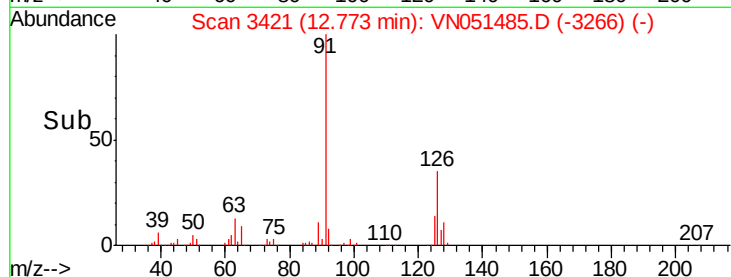
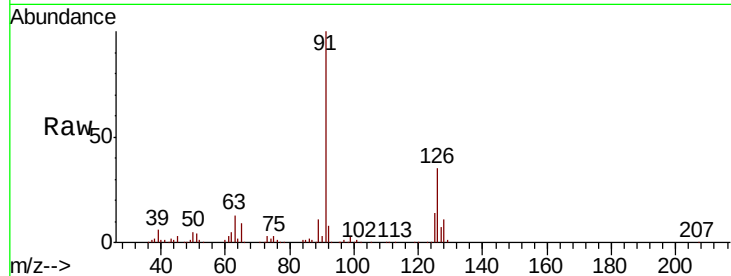
#78
4-Chlorotoluene
Concen: 21.454 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Instrument :
MSVOA_N
ClientSampled :
VN0925WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	434193		
126	34.4	0.0	65.2	

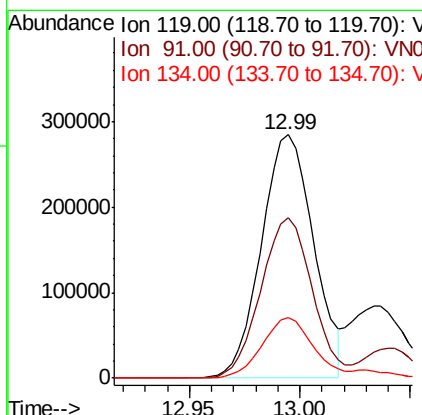
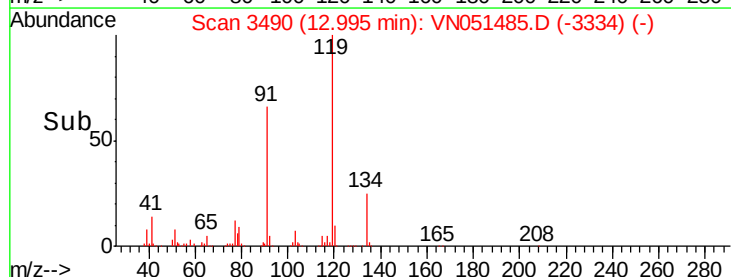
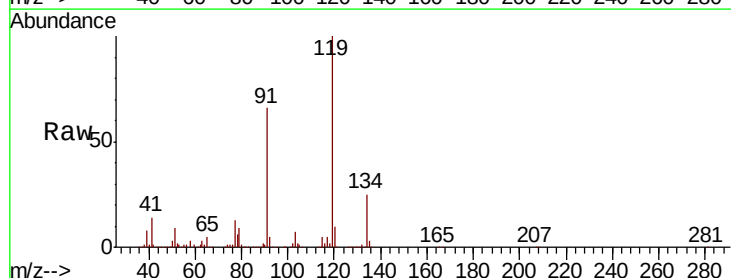
Manual Integrations
APPROVED

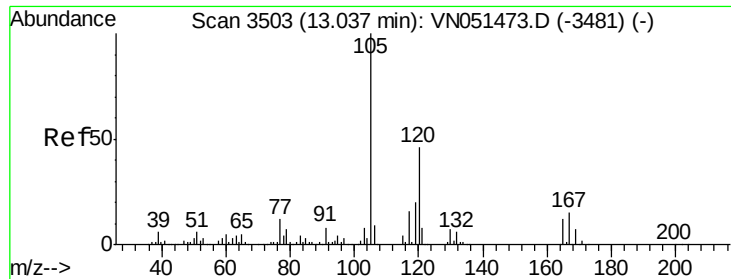
MMDadoda
10/1/2018 11:21:33 AM



#79
tert-butylbenzene
Concen: 21.897 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	467877		
91	65.2	0.0	131.6	
134	24.5	0.0	46.2	





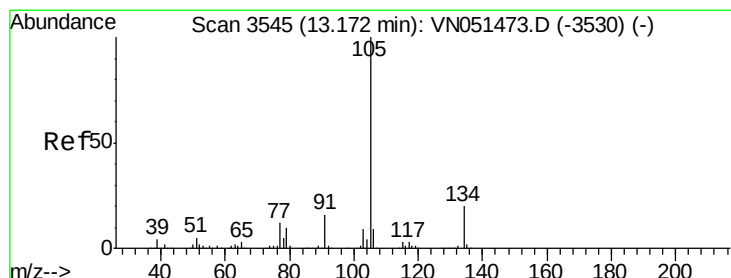
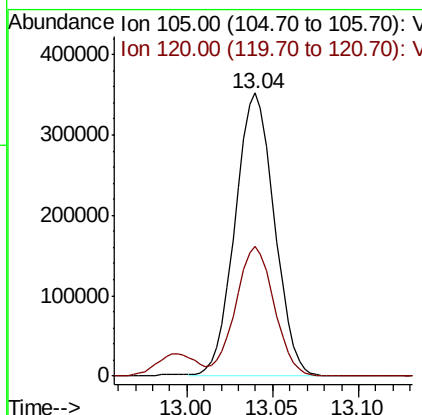
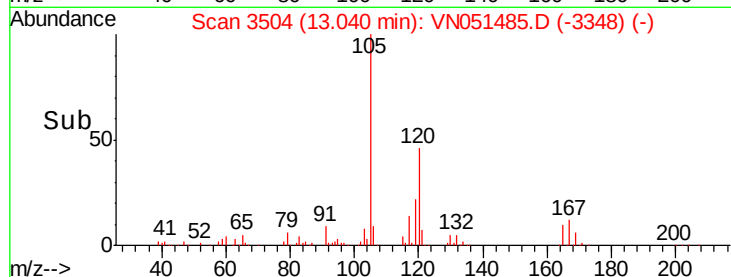
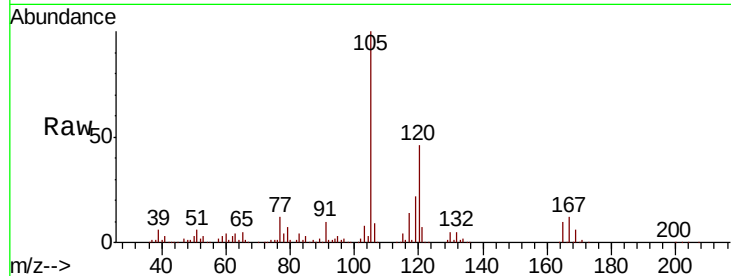
#80
 1,2,4-Trimethylbenzene
 Concen: 22.568 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	556771		
120	45.3	0.0	89.6	

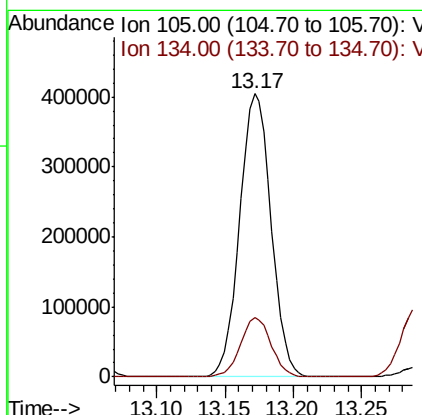
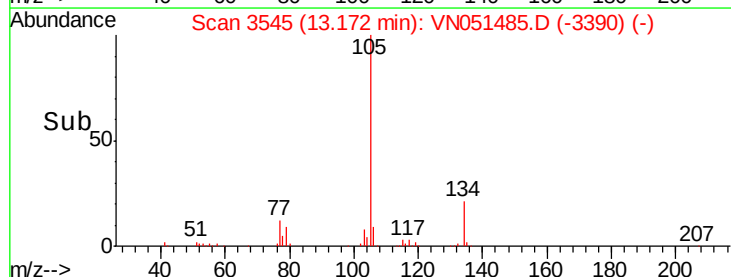
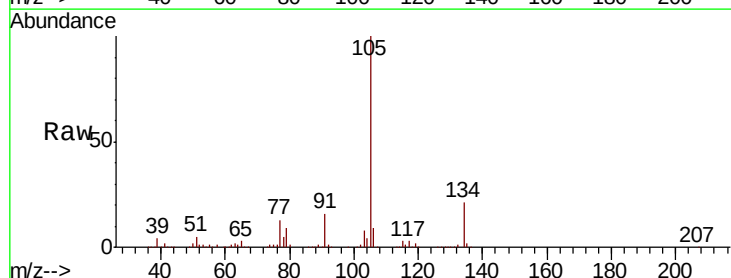
Manual Integrations
 APPROVED

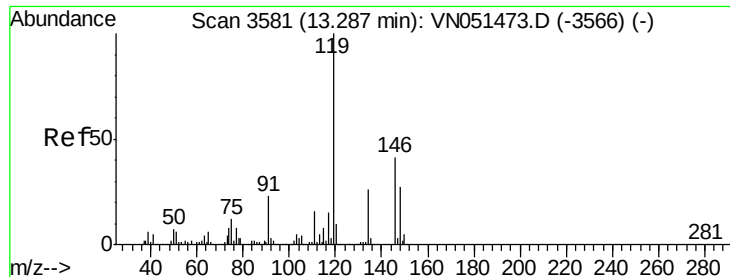
MMDadoda
 10/1/2018 11:21:33 AM



#81
 sec-Butylbenzene
 Concen: 21.963 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	645541		
134	20.5	0.0	39.4	





#82

p-Isopropyltoluene

Concen: 22.029 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

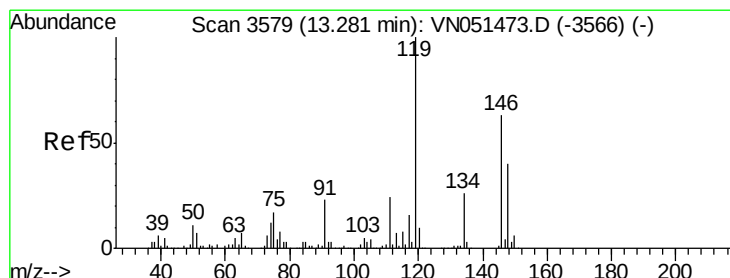
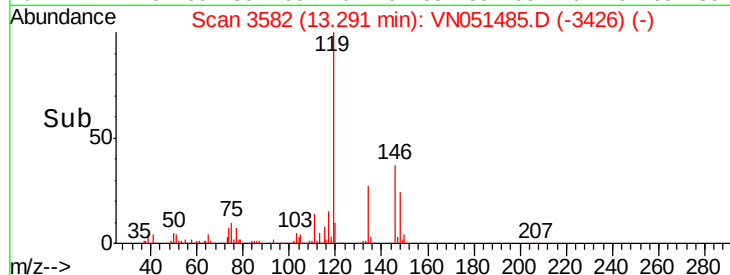
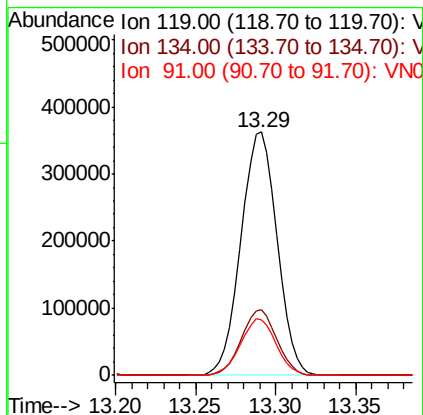
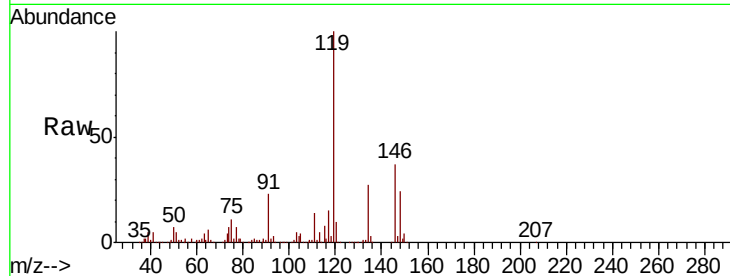
ClientSampleId :

VN0925WBSD01

Tot Ion:	119	Resp:	558941
Ion Ratio	Lower	Upper	
119	100		
134	26.4	0.0	53.6
91	23.0	0.0	52.0

Manual Integrations
APPROVED

MMDadoda
10/1/2018 11:21:33 AM



#83

1,3-Dichlorobenzene

Concen: 21.166 ug/l

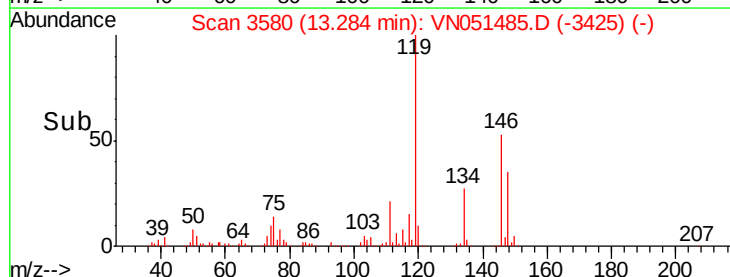
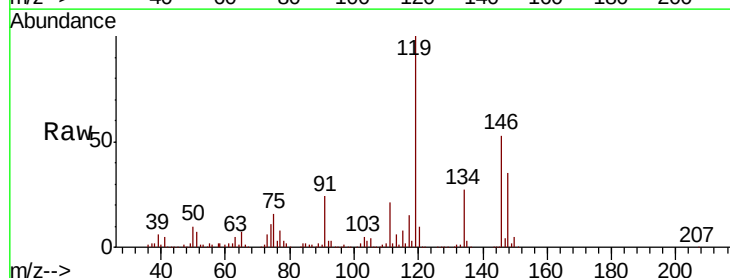
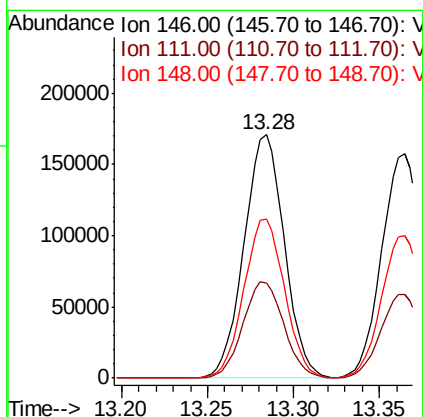
RT: 13.28 min Scan# 3580

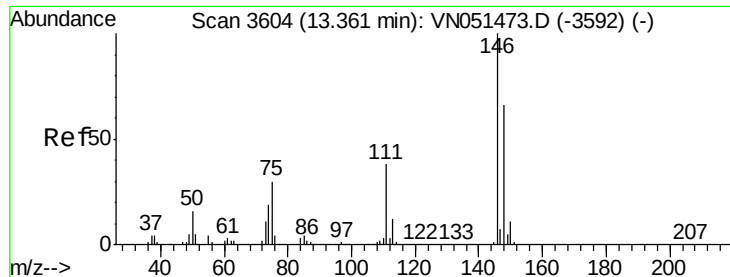
Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Tgt Ion:	146	Resp:	278272
Ion Ratio	Lower	Upper	
146	100		
111	40.1	18.1	54.3
148	65.8	31.3	93.8





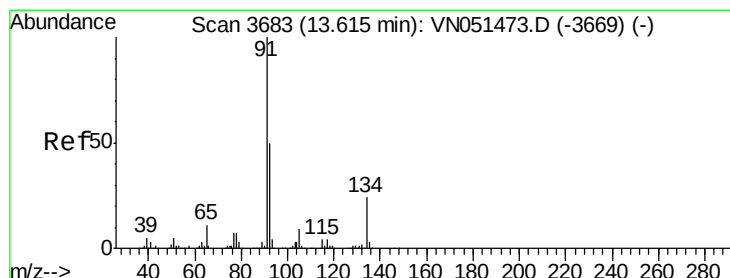
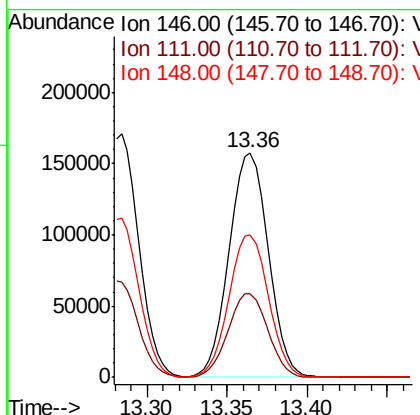
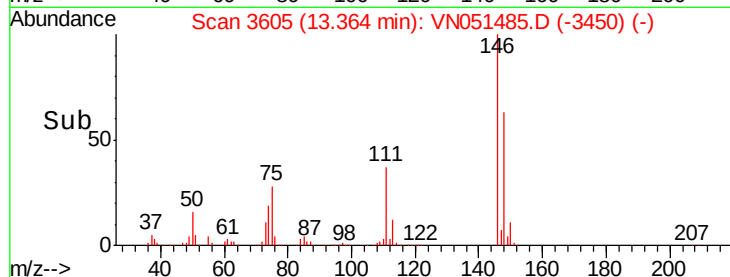
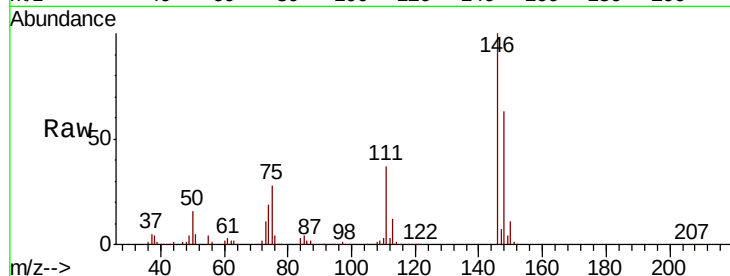
#84
 1,4-Dichlorobenzene
 Concen: 21.347 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	17.4	52.2
148	64.2	32.8	98.3

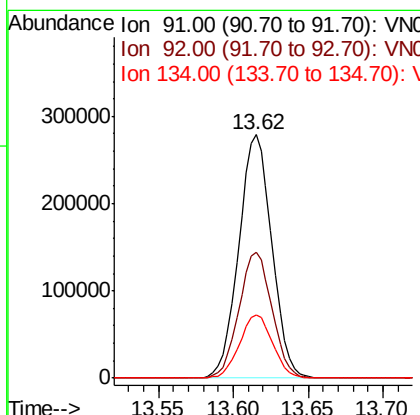
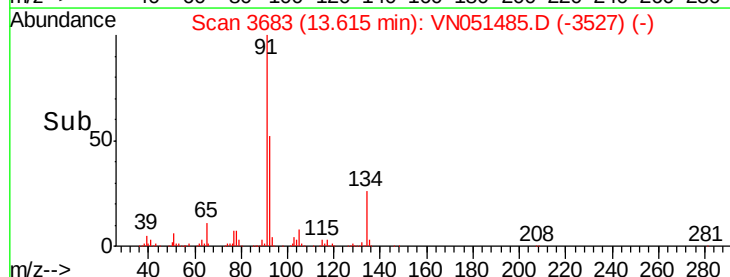
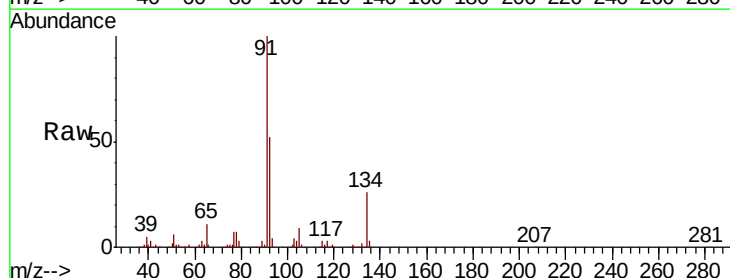
Manual Integrations
 APPROVED

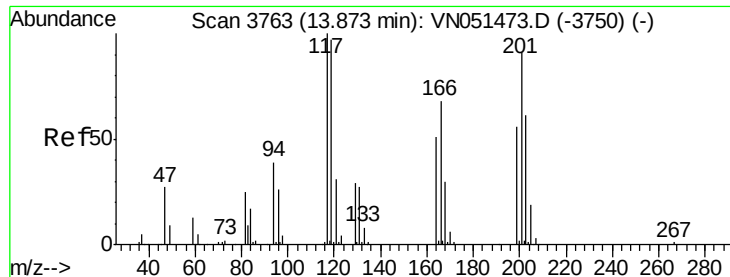
MMDadoda
 10/1/2018 11:21:33 AM



#85
 n-Butylbenzene
 Concen: 20.541 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.7	0.0	97.4
134	25.9	0.0	49.6





#86

Hexachloroethane

Concen: 21.329 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampled :

VN0925WBSD01

Tot Ion:117 Resp: 108448

Ion Ratio Lower Upper

117 100

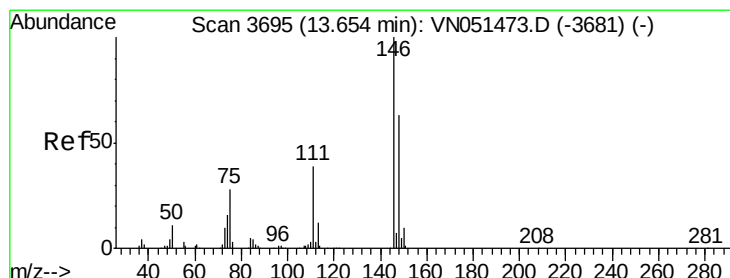
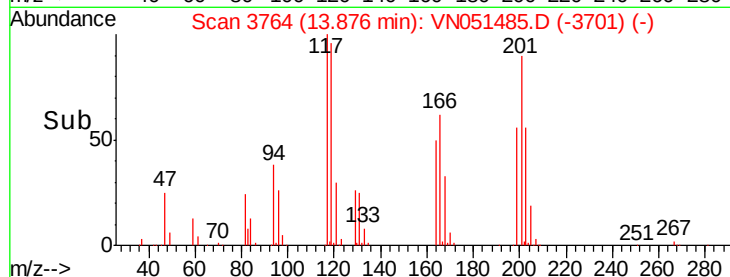
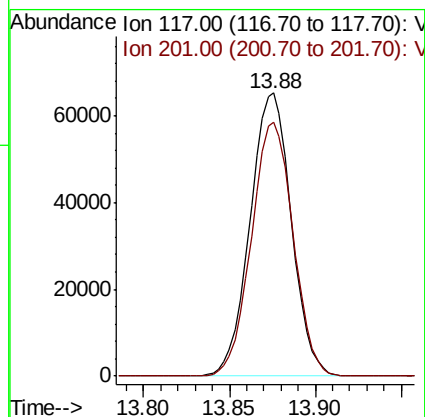
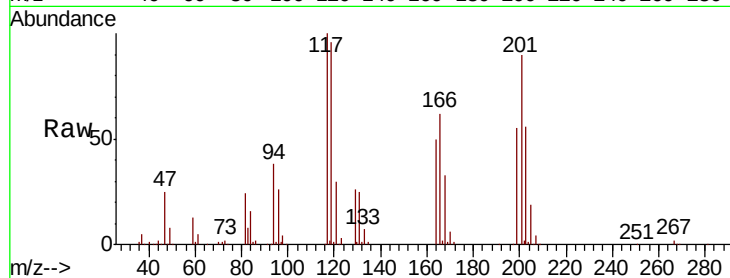
201 90.7 47.8 143.3

Manual Integrations

APPROVED

MMDadoda

10/1/2018 11:21:33 AM



#87

1,2-Dichlorobenzene

Concen: 22.168 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

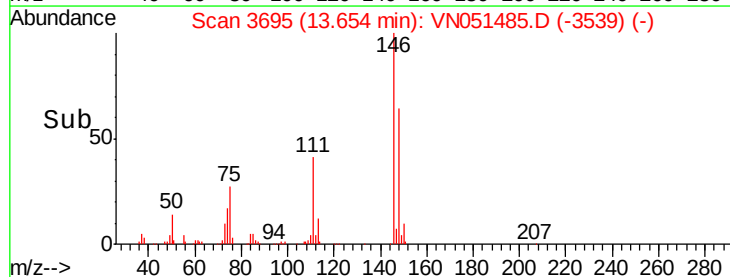
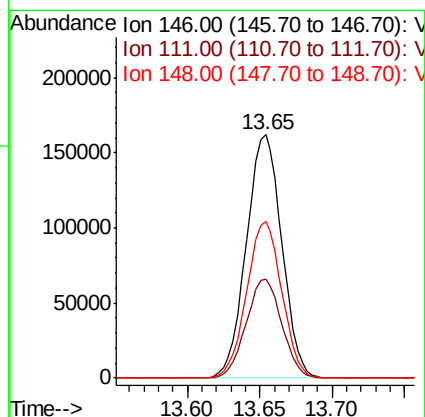
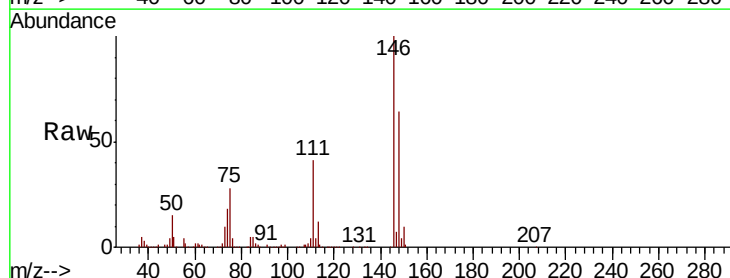
Tgt Ion:146 Resp: 276287

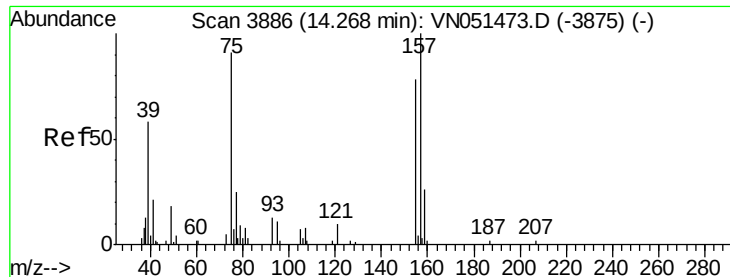
Ion Ratio Lower Upper

146 100

111 40.8 20.8 62.2

148 63.6 33.2 99.6





#88

1,2-Dibromo-3-Chloropropane

Concen: 22.189 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion: 75 Resp: 22928

Ion Ratio Lower Upper

75 100

155 86.1 57.0 85.6#

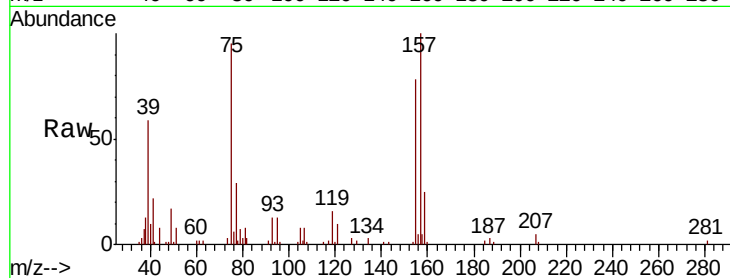
157 109.0 87.4 131.0

Manual Integrations

APPROVED

MMDadoda

10/1/2018 11:21:33 AM

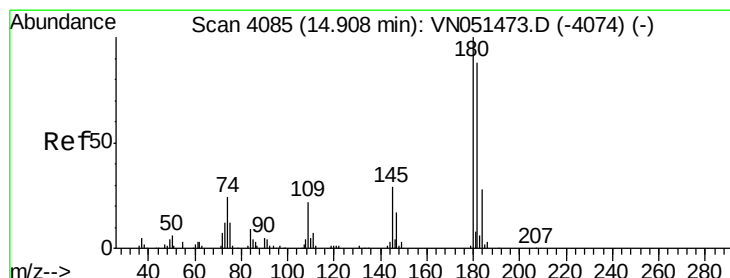
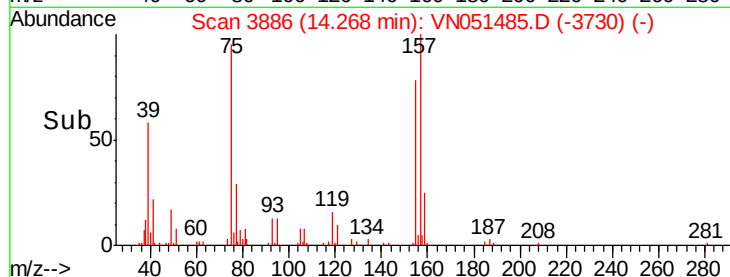
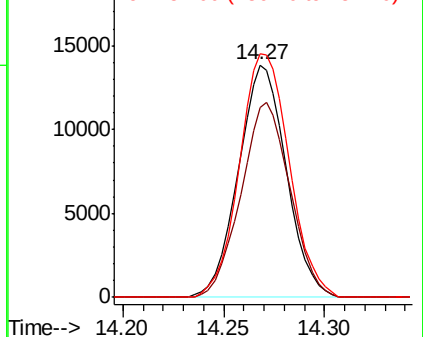


Abundance

Ion 75.00 (74.70 to 75.70): VN051485.D (-3730) (-)

Ion 155.00 (154.70 to 155.70): VN051485.D (-3730) (-)

Ion 157.00 (156.70 to 157.70): VN051485.D (-3730) (-)



#89

1,2,4-Trichlorobenzene

Concen: 19.869 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

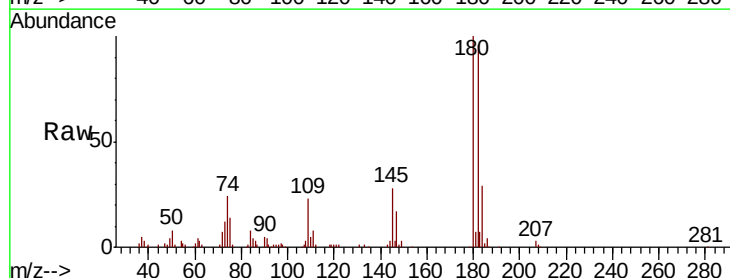
Tgt Ion: 180 Resp: 123350

Ion Ratio Lower Upper

180 100

182 94.3 77.7 116.5

145 27.8 23.4 35.2

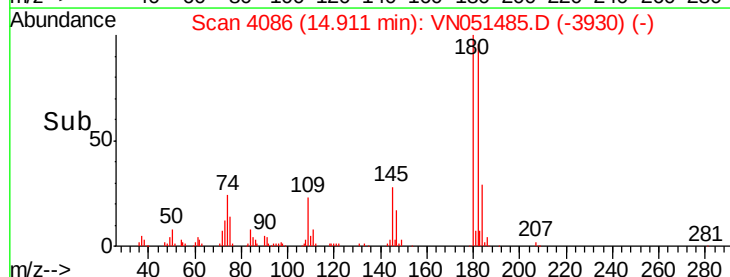
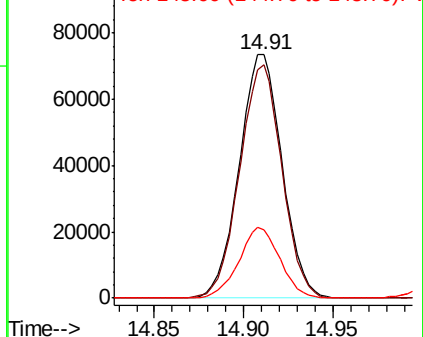


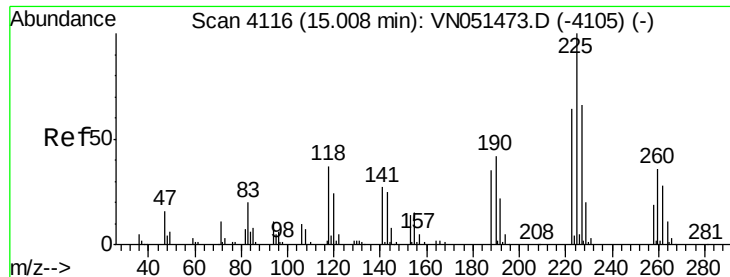
Abundance

Ion 180.00 (179.70 to 180.70): VN051485.D (-3930) (-)

Ion 182.00 (181.70 to 182.70): VN051485.D (-3930) (-)

Ion 145.00 (144.70 to 145.70): VN051485.D (-3930) (-)





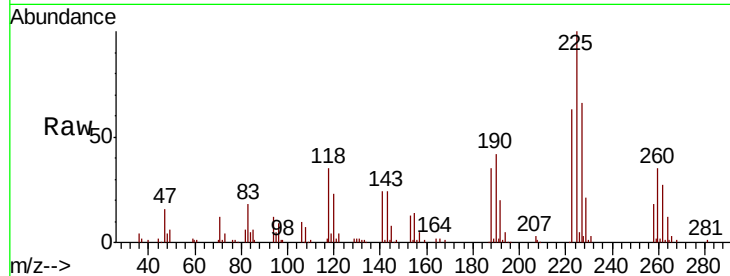
#90
Hexachlorobutadiene
Concen: 21.370 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Instrument :
MSVOA_N
ClientSampled :
VN0925WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
225	100	102818		
223	63.1	0.0	117.0	
227	65.8	0.0	127.0	

Manual Integrations
APPROVED

MMDadoda
10/1/2018 11:21:33 AM

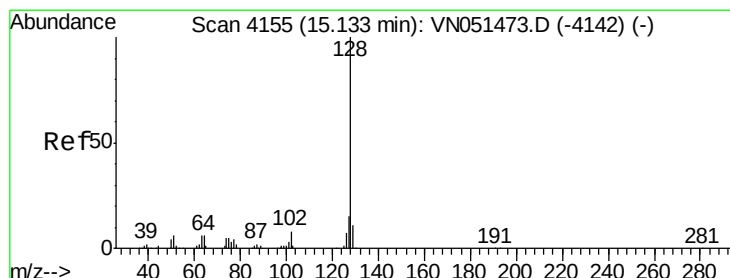
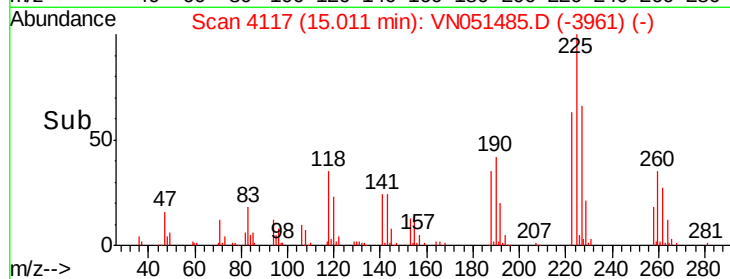
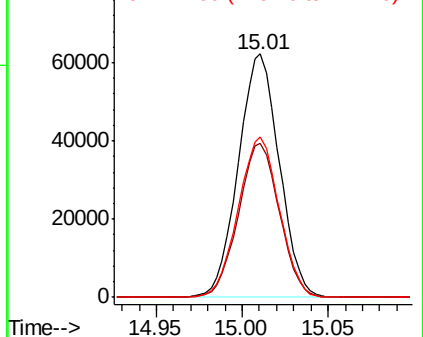


Abundance

Ion 225.00 (224.70 to 225.70): V

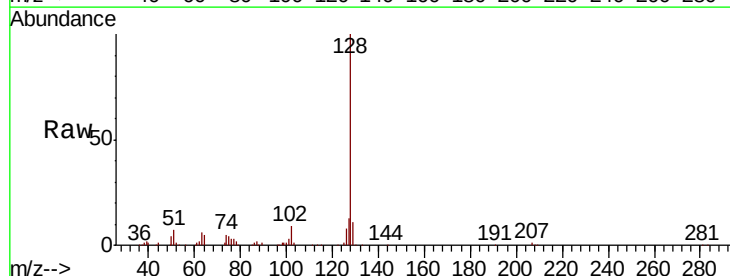
Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91
Naphthalene
Concen: 17.896 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	209642		
127	13.3	10.1	15.1	
129	11.1	8.4	12.6	

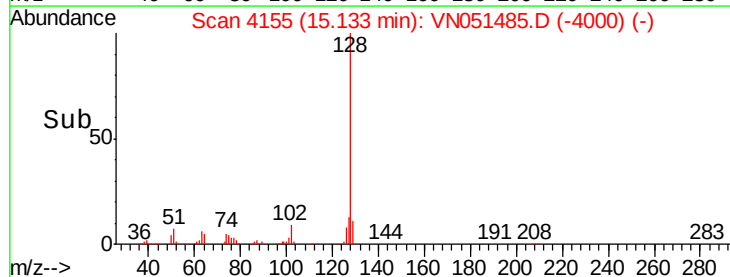
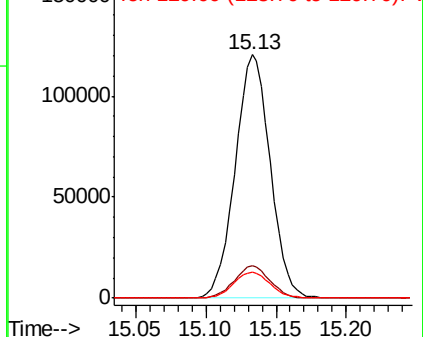


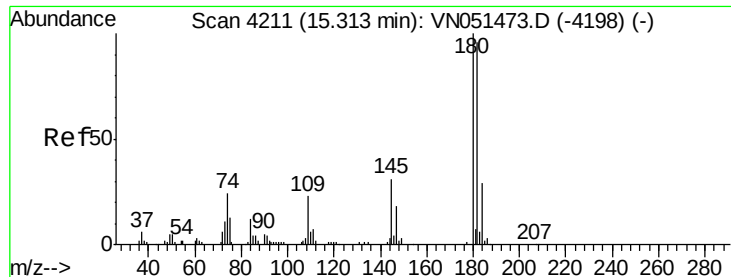
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#92
 1,2,3-Trichlorobenzene
 Concen: 19.658 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion:	180	Resp:	123198
Ion Ratio	Lower	Upper	
180	100		
182	94.4	0.0	198.0
145	29.5	0.0	36.8

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:21:33 AM

