

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030520\
 Data File : VN060366.D
 Acq On : 5 Mar 2020 14:58
 Operator : JC/MD
 Sample : VN0305WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:18:16 AM

Quant Time: Mar 06 01:23:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	192209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	317898	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	292726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137773	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	125879	51.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.08%	
35) Dibromofluoromethane	7.57	113	84706	57.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	114.82%	
50) Toluene-d8	10.08	98	360811	48.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.62%	
62) 4-Bromofluorobenzene	12.40	95	133230	47.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	29683	16.844	ug/l	99
3) Chloromethane	2.04	50	54389	17.727	ug/l	98
4) Vinyl Chloride	2.16	62	43939	16.699	ug/l	99
5) Bromomethane	2.55	94	16803	14.141	ug/l	98
6) Chloroethane	2.69	64	24391	17.109	ug/l	98
7) Trichlorofluoromethane	3.00	101	58887	17.516	ug/l	99
8) Diethyl Ether	3.39	74	23214	18.289	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	33094	17.394	ug/l	100
10) Methyl Iodide	3.93	142	28863	16.622	ug/l	100
11) Tert butyl alcohol	4.73	59	21141	57.734	ug/l #	94
12) 1,1-Dichloroethene	3.72	96	33534	18.111	ug/l	99
13) Acrolein	3.58	56	31485	92.166	ug/l	99
14) Allyl chloride	4.30	41	61111	17.949	ug/l	97
15) Acrylonitrile	4.94	53	93096	96.455	ug/l	99
16) Acetone	3.78	43	72813	91.431	ug/l	98
17) Carbon Disulfide	4.03	76	84126	16.698	ug/l	98
18) Methyl Acetate	4.29	43	48527	18.260	ug/l	97
19) Methyl tert-butyl Ether	5.01	73	126598	18.883	ug/l	100
20) Methylene Chloride	4.52	84	38441	17.576	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	35913	17.827	ug/l	99
22) Diisopropyl ether	5.92	45	131581	19.079	ug/l	95
23) Vinyl Acetate	5.86	43	525030	95.804	ug/l	100
24) 1,1-Dichloroethane	5.82	63	73512	18.830	ug/l	99
25) 2-Butanone	6.80	43	121753	94.652	ug/l	100
26) 2,2-Dichloropropane	6.80	77	65522	18.436	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	44540	17.563	ug/l	99
28) Bromochloromethane	7.17	49	30785	19.206	ug/l	97
29) Tetrahydrofuran	7.18	42	85038	95.070	ug/l	98
30) Chloroform	7.35	83	73121	18.815	ug/l	99
31) Cyclohexane	7.63	56	64853	18.626	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	63909	18.561	ug/l	99
36) 1,1-Dichloropropene	7.77	75	53172	17.550	ug/l	99
37) Ethyl Acetate	6.90	43	55383	19.305	ug/l	99
38) Carbon Tetrachloride	7.75	117	51884	17.589	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030520\
 Data File : VN060366.D
 Acq On : 5 Mar 2020 14:58
 Operator : JC/MD
 Sample : VN0305WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0305WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:18:16 AM

Quant Time: Mar 06 01:23:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	57336	16.051	ug/l	97
40) Benzene	8.02	78	160357	18.185	ug/l	100
41) Methacrylonitrile	7.15	41	24848m	18.759	ug/l	
42) 1,2-Dichloroethane	8.10	62	59123	18.580	ug/l	100
43) Isopropyl Acetate	8.14	43	99066	19.725	ug/l	99
44) Trichloroethene	8.82	130	43138	17.565	ug/l	98
45) 1,2-Dichloropropane	9.10	63	44007	19.087	ug/l	98
46) Dibromomethane	9.19	93	27364	18.292	ug/l	98
47) Bromodichloromethane	9.39	83	56923	18.709	ug/l	100
48) Methyl methacrylate	9.18	41	41481	18.112	ug/l	99
49) 1,4-Dioxane	9.18	88	4759	147.764	ug/l #	88
51) 4-Methyl-2-Pentanone	9.97	43	277322	97.390	ug/l	100
52) Toluene	10.14	92	100348	18.116	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	65821	17.655	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	70482	18.245	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	41198	18.495	ug/l	97
56) Ethyl methacrylate	10.42	69	59300	18.530	ug/l	97
57) 1,3-Dichloropropane	10.70	76	69322	19.082	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	154354	92.220	ug/l	100
59) 2-Hexanone	10.74	43	195787	93.645	ug/l	100
60) Dibromochloromethane	10.89	129	41954	18.520	ug/l	98
61) 1,2-Dibromoethane	11.00	107	39176	18.041	ug/l	100
64) Tetrachloroethene	10.62	164	44760	18.530	ug/l	99
65) Chlorobenzene	11.43	112	103203	17.460	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	39636	18.136	ug/l	98
67) Ethyl Benzene	11.51	91	189718	17.625	ug/l	99
68) m/p-Xylenes	11.62	106	141773	34.909	ug/l	99
69) o-Xylene	11.94	106	68433	17.670	ug/l	100
70) Styrene	11.96	104	110612	17.372	ug/l	99
71) Bromoform	12.12	173	28537	18.117	ug/l #	93
73) Isopropylbenzene	12.25	105	186890	18.302	ug/l	100
74) N-amyl acetate	12.07	43	81880	18.350	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	55346	19.939	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	49110m	16.247	ug/l	
77) Bromobenzene	12.52	156	45175	18.047	ug/l	99
78) n-propylbenzene	12.59	91	213657	17.850	ug/l	100
79) 2-Chlorotoluene	12.67	91	126342	17.956	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	154276	17.944	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20717	18.919	ug/l #	85
82) 4-Chlorotoluene	12.77	91	131440	17.731	ug/l	98
83) tert-Butylbenzene	12.99	119	130576	17.541	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	152640	17.589	ug/l	99
85) sec-Butylbenzene	13.17	105	168665	16.920	ug/l	100
86) p-Isopropyltoluene	13.29	119	152878	16.570	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	79550	18.375	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	78985	18.250	ug/l	98
89) n-Butylbenzene	13.61	91	134831	15.920	ug/l	99
90) Hexachloroethane	13.87	117	20693	15.495	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	77650	17.704	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11469	18.246	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030520\
Data File : VN060366.D
Acq On : 5 Mar 2020 14:58
Operator : JC/MD
Sample : VN0305WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBSD01

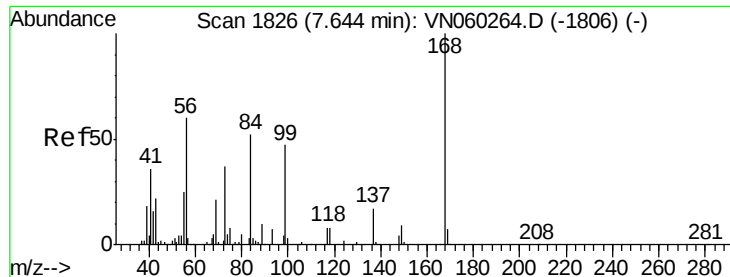
Manual Integrations
APPROVED

MMDadoda
3/6/2020 11:18:16 AM

Quant Time: Mar 06 01:23:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47635	17.150	ug/l	99
94) Hexachlorobutadiene	15.01	225	20786	15.834	ug/l	98
95) Naphthalene	15.13	128	148471	17.912	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	45832	17.343	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBSD01

Tot Ion:168 Resp: 192209

Ion Ratio Lower Upper

168 100

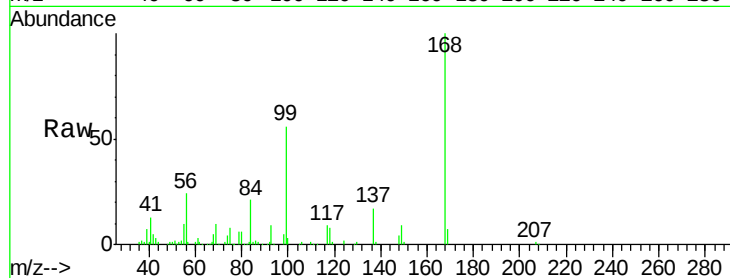
99 56.4 44.7 67.1

Manual Integrations

APPROVED

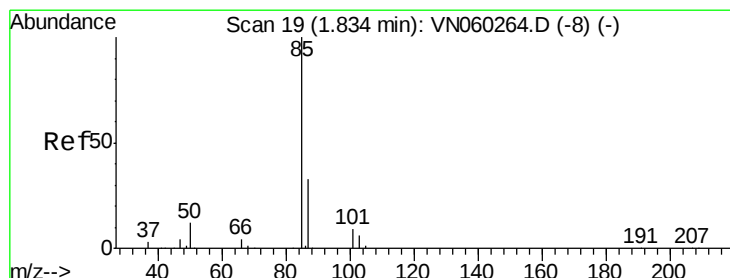
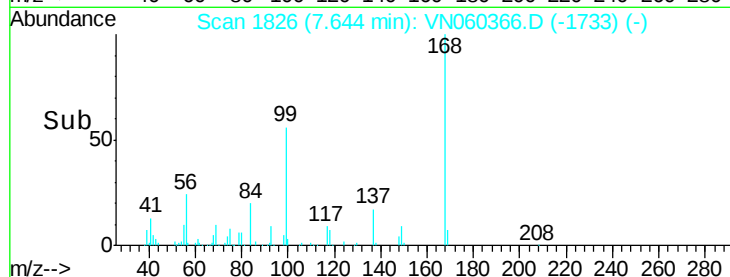
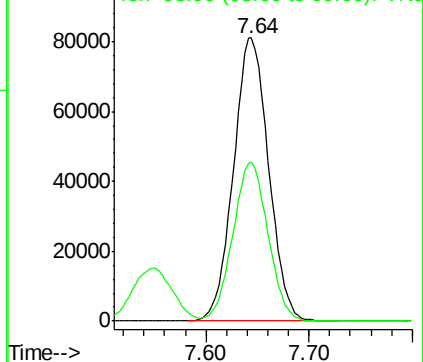
MMDadoda

3/6/2020 11:18:16 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 16.844 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060366.D

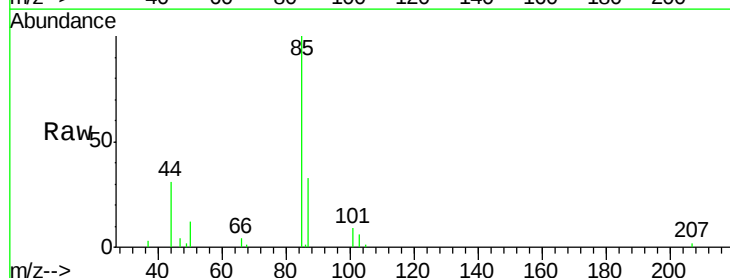
Acq: 5 Mar 2020 14:58

Tgt Ion: 85 Resp: 29683

Ion Ratio Lower Upper

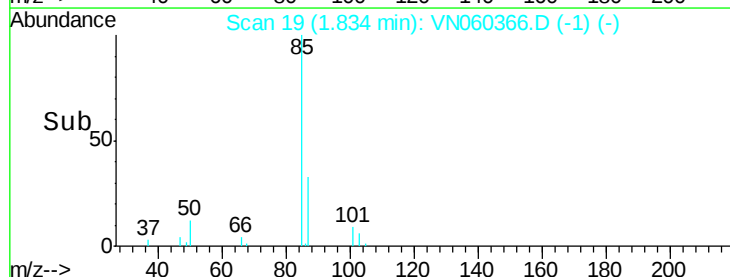
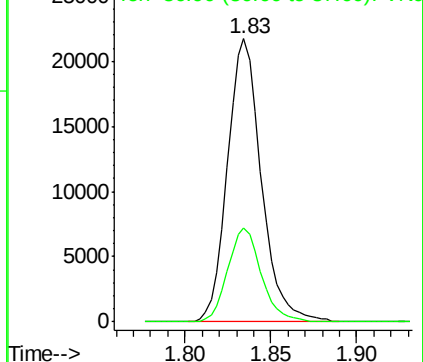
85 100

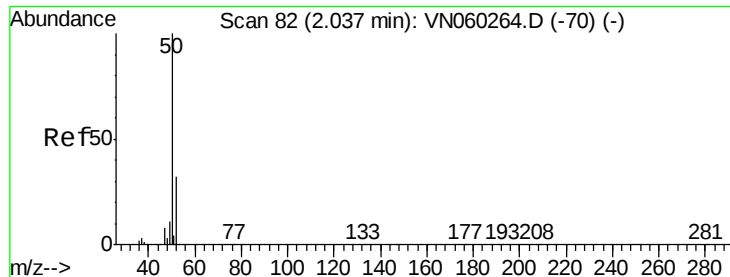
87 33.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 17.727 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBSD01

Tot Ion: 50 Resp: 54389

Ion Ratio Lower Upper

50 100

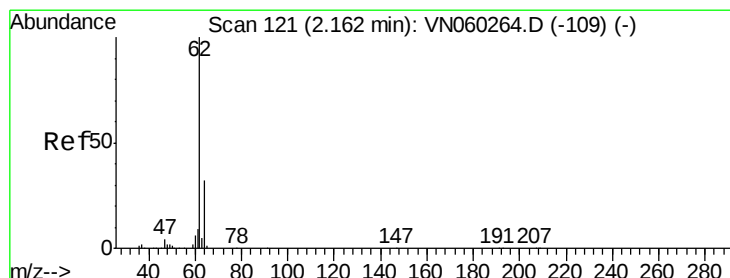
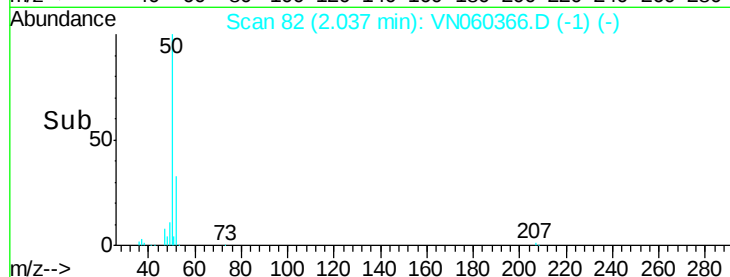
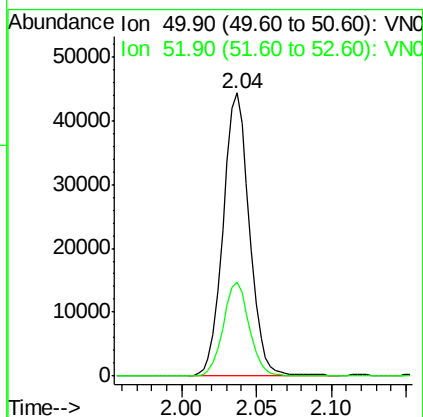
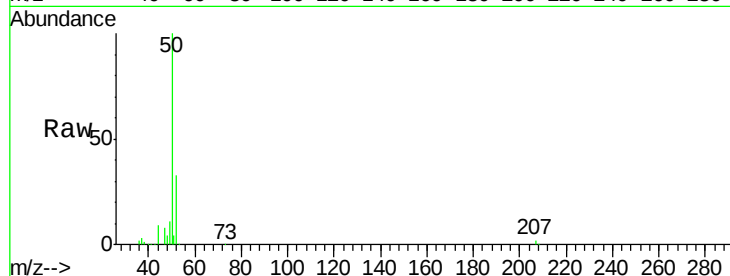
52 33.1 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

3/6/2020 11:18:16 AM



#4

Vinyl Chloride

Concen: 16.699 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN060366.D

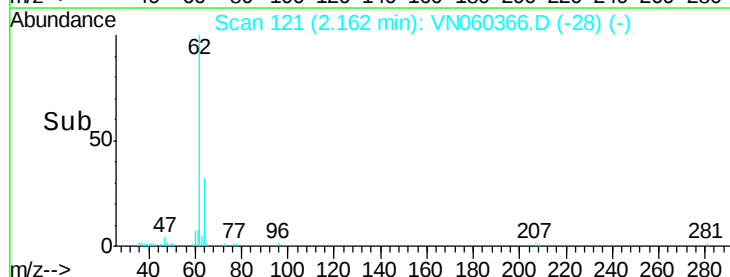
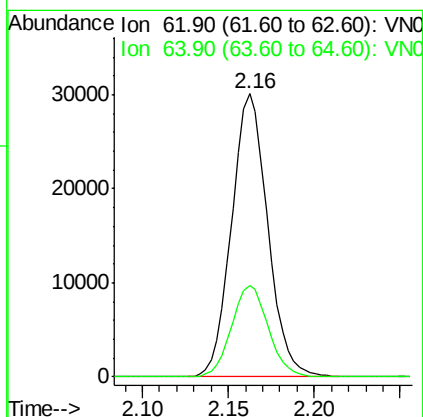
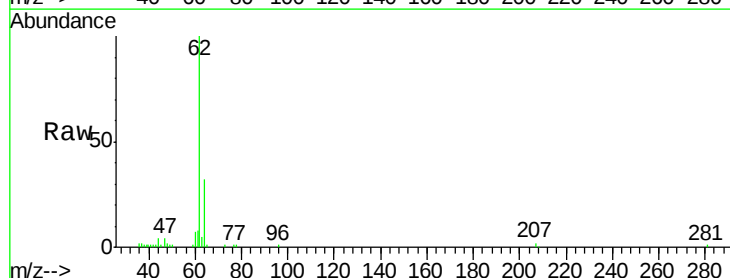
Acq: 5 Mar 2020 14:58

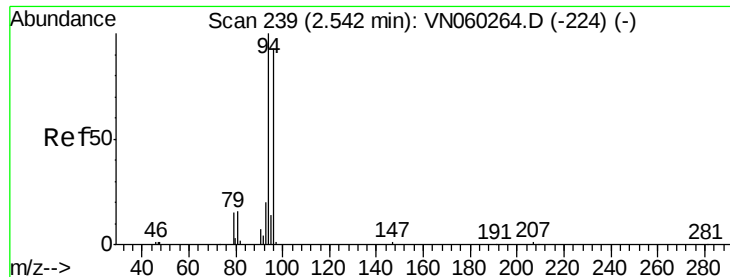
Tgt Ion: 62 Resp: 43939

Ion Ratio Lower Upper

62 100

64 32.4 25.5 38.3





#5

Bromomethane

Concen: 14.141 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBSD01

Tot Ion: 94 Resp: 16803

Ion Ratio Lower Upper

94 100

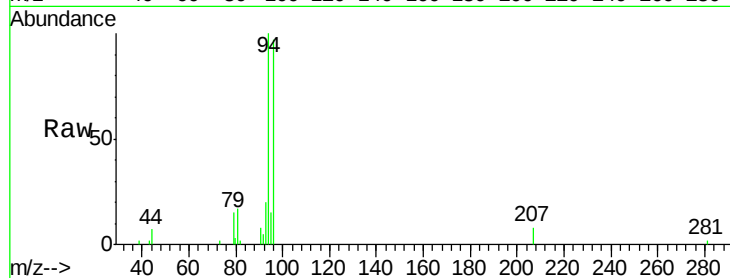
96 94.5 74.3 111.5

Manual Integrations

APPROVED

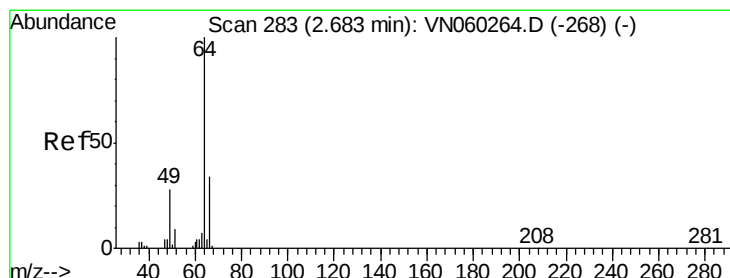
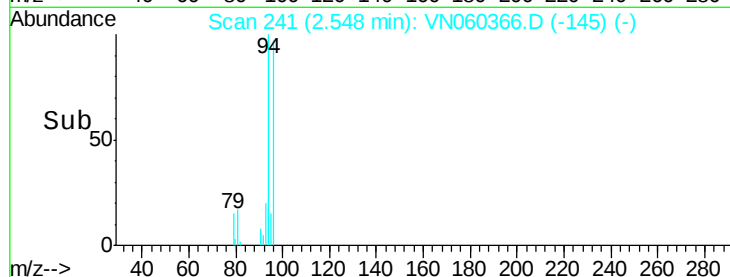
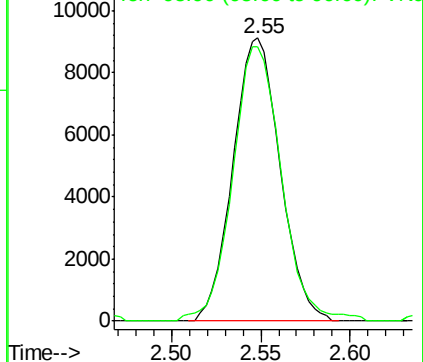
MMDadoda

3/6/2020 11:18:16 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.109 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060366.D

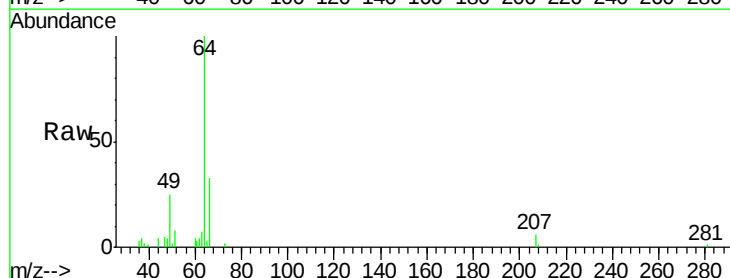
Acq: 5 Mar 2020 14:58

Tgt Ion: 64 Resp: 24391

Ion Ratio Lower Upper

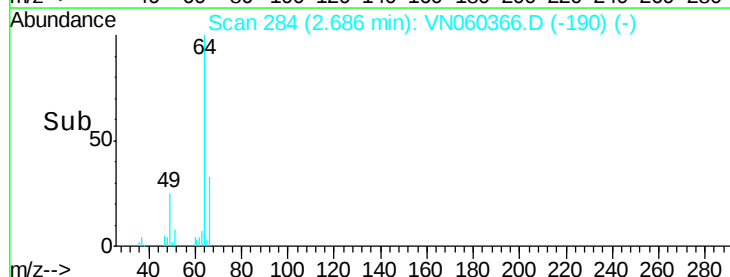
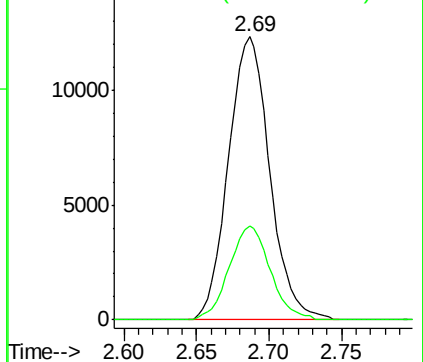
64 100

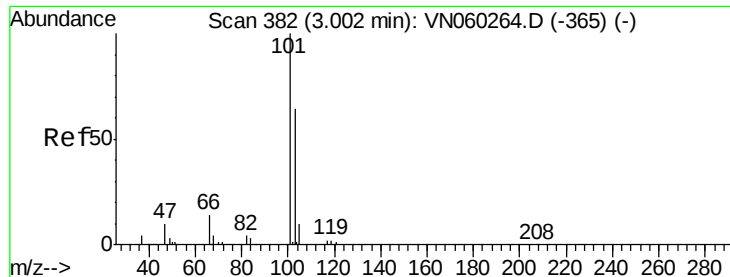
66 33.4 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

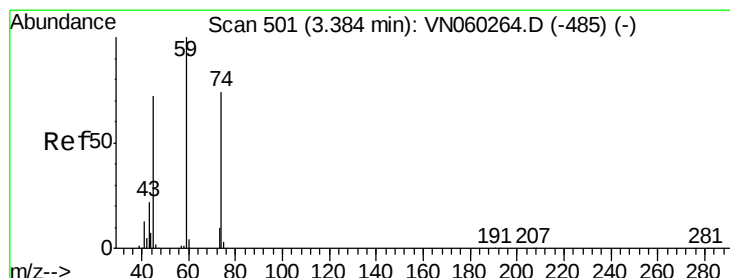
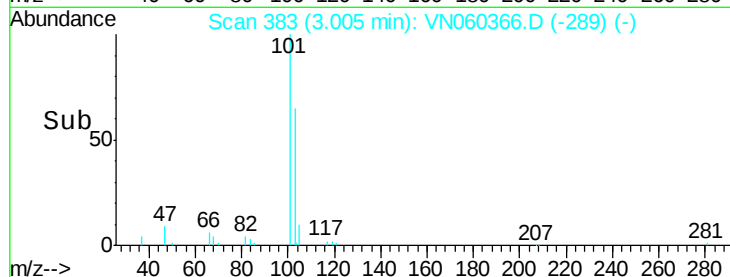
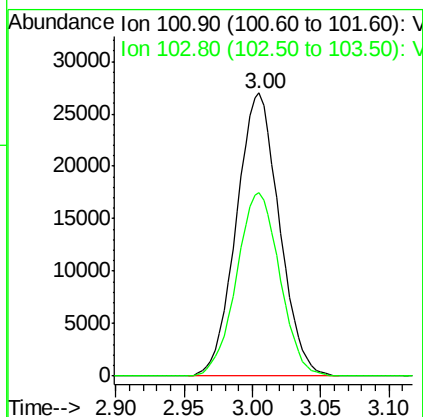
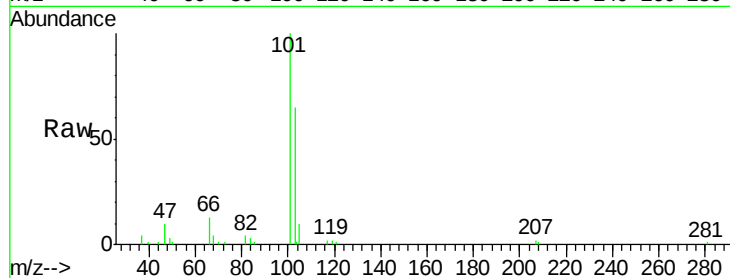
Trichlorofluoromethane
Concen: 17.516 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.3	76.9

Manual Integrations
APPROVED

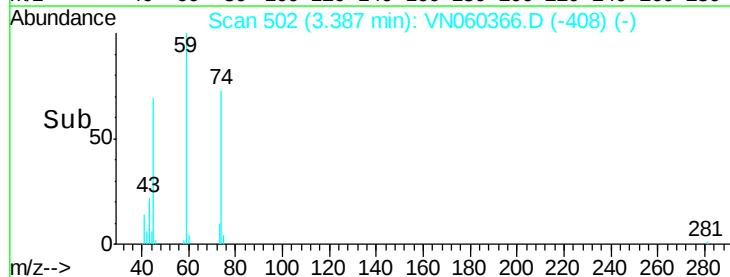
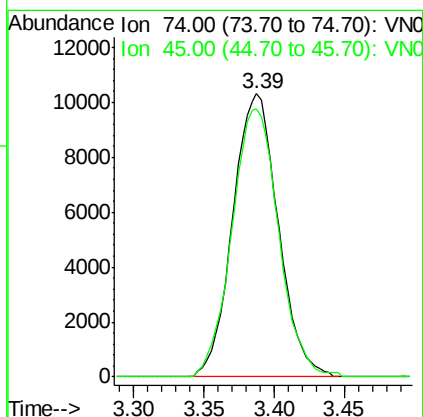
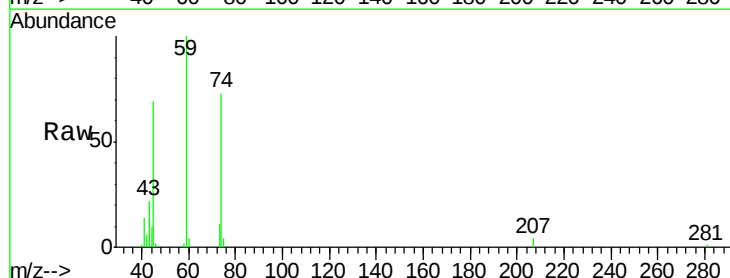
MMDadoda
3/6/2020 11:18:16 AM

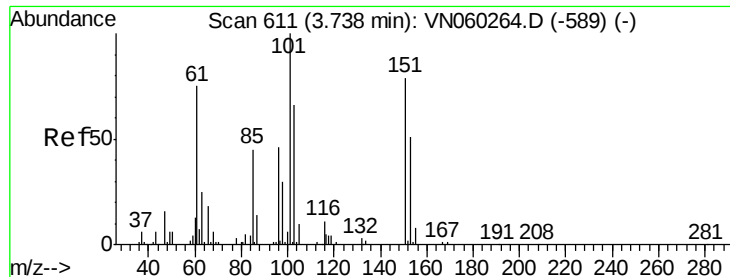


#8

Diethyl Ether
Concen: 18.289 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.394 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Instrument :

MSVOA_N

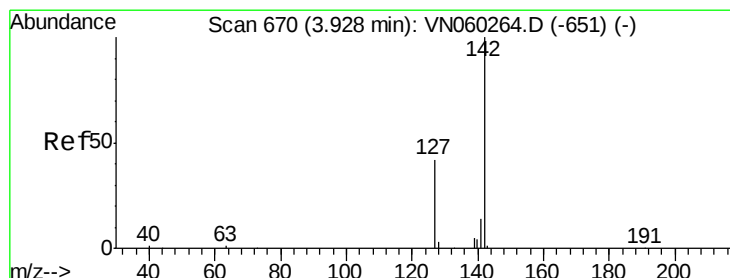
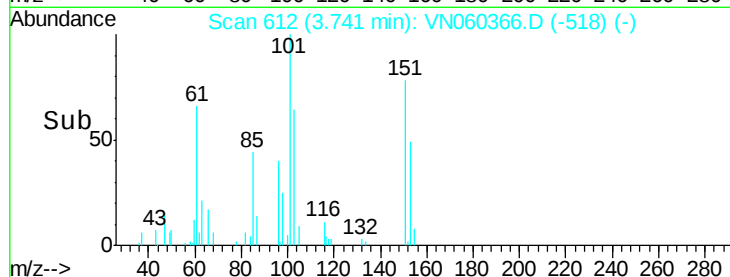
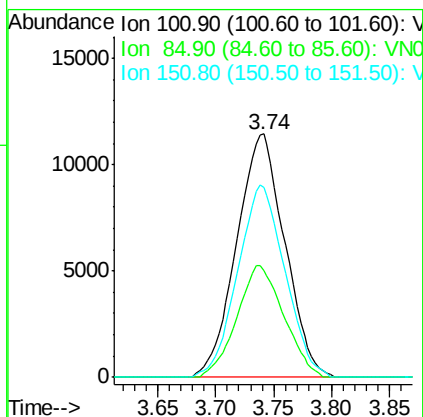
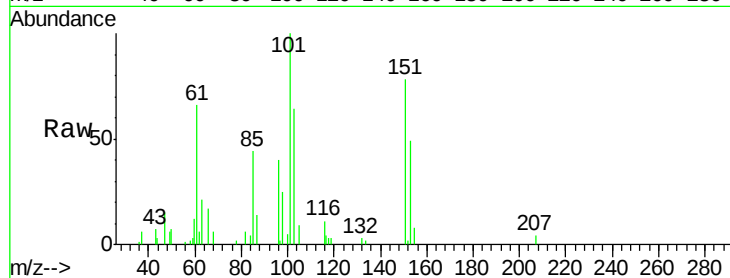
ClientSampleId :

VN0305WBSD01

Tot Ion:	101	Resp:	33094
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.4	53.2
151	77.6	62.0	93.0

Manual Integrations
APPROVED

MMDadoda
3/6/2020 11:18:16 AM



#10

Methyl Iodide

Concen: 16.622 ug/l

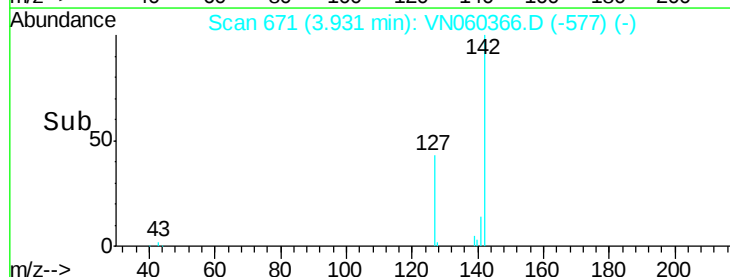
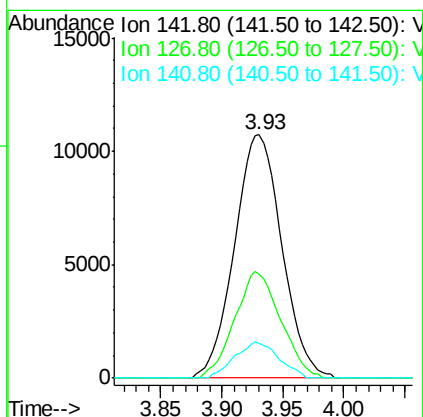
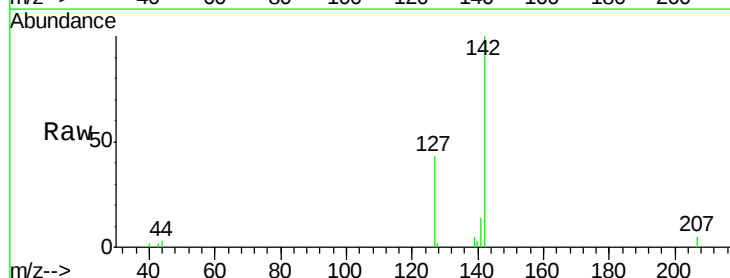
RT: 3.93 min Scan# 671

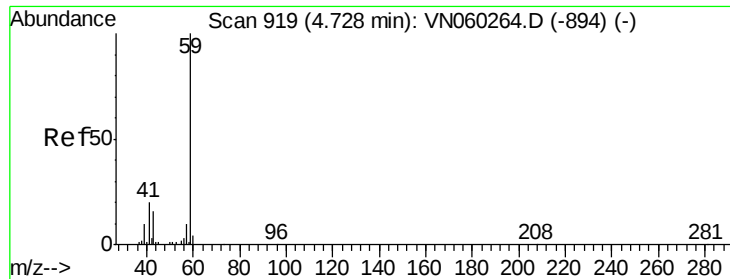
Delta R.T. 0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Tgt Ion:	142	Resp:	28863
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.8	50.6
141	13.8	11.1	16.7





#11

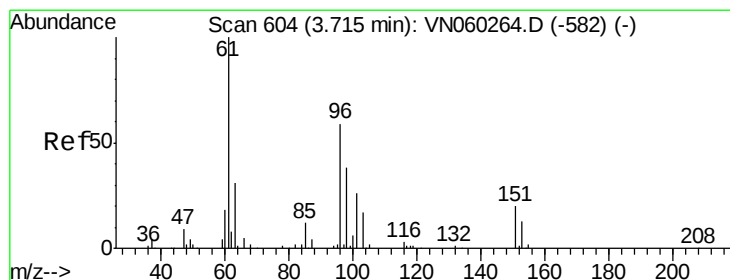
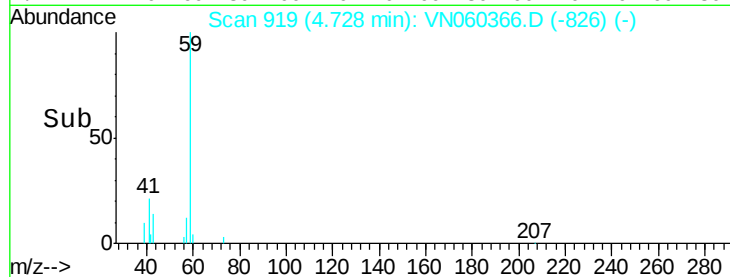
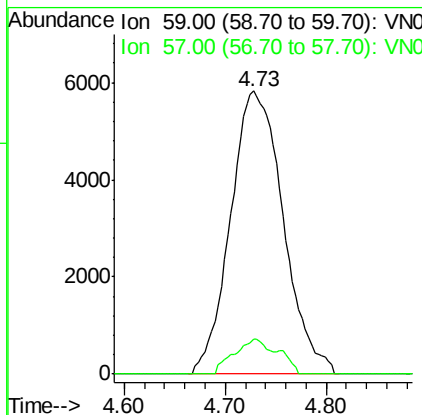
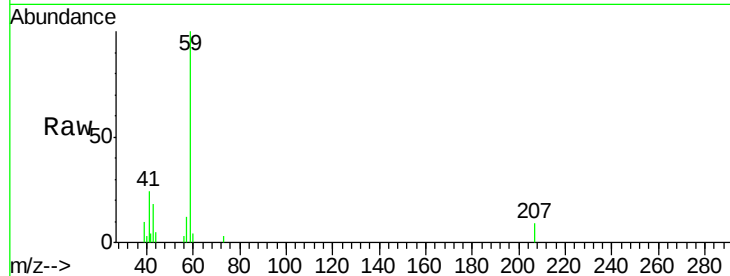
Tert butyl alcohol
 Concen: 57.734 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN060366.D
 Acq: 5 Mar 2020 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBSD01

Tot Ion	59	Resp	21141
Ion Ratio	100	Lower	Upper
57	8.0	8.2	12.2#

Manual Integrations
 APPROVED

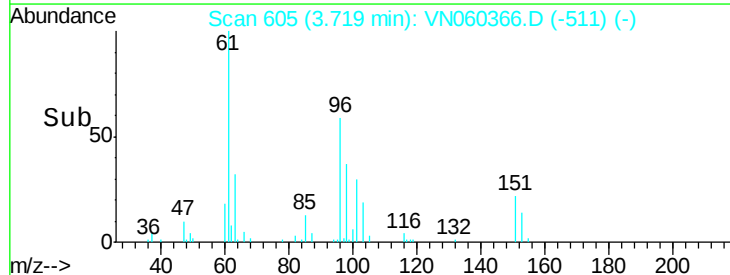
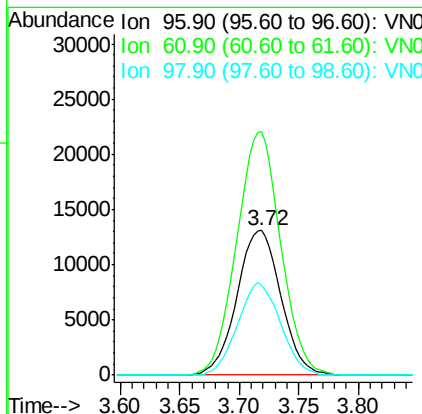
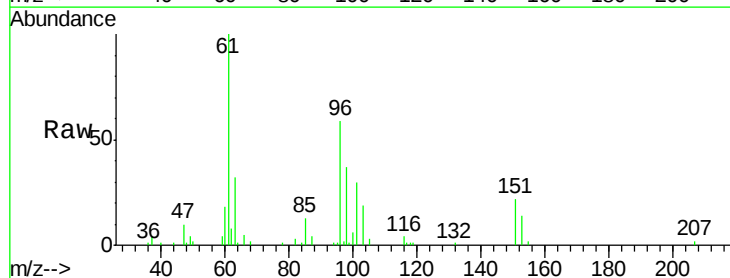
MMDadoda
 3/6/2020 11:18:16 AM

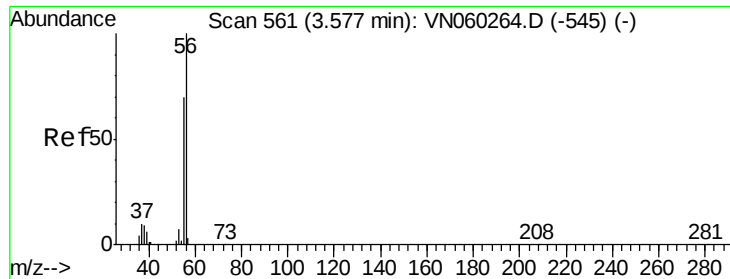


#12

1,1-Dichloroethene
 Concen: 18.111 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN060366.D
 Acq: 5 Mar 2020 14:58

Tgt Ion	96	Resp	33534
Ion Ratio	100	Lower	Upper
61	168.1	135.4	203.0
98	62.1	51.6	77.4





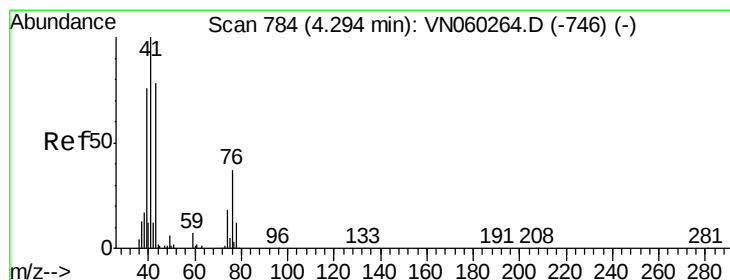
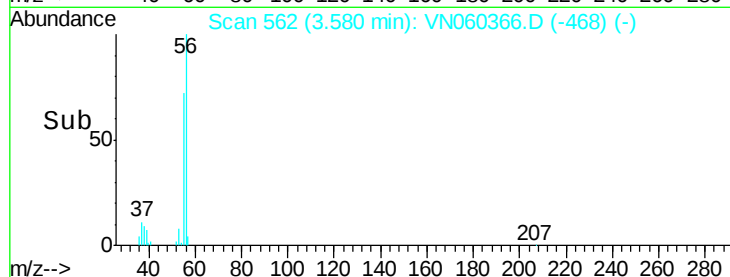
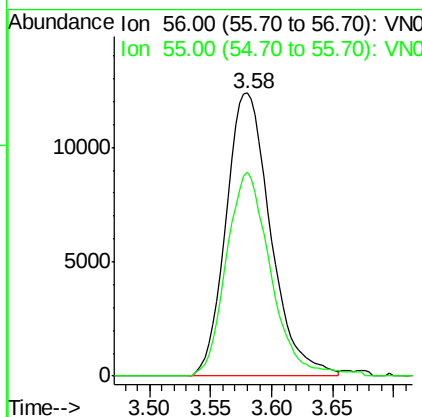
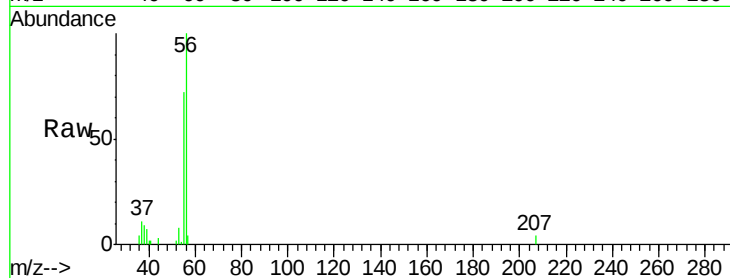
#13
Acrolein
Concen: 92.166 ug/l
RT: 3.58 min Scan# 562
Delta R.T. 0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	71.3	57.4	86.0

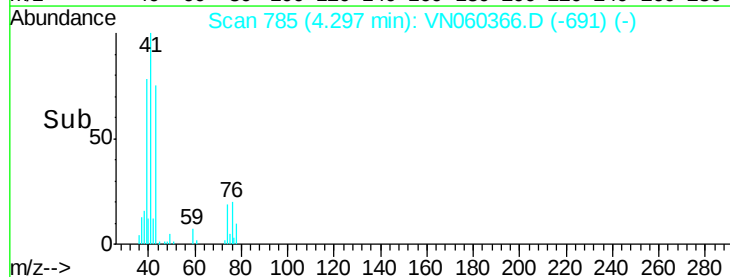
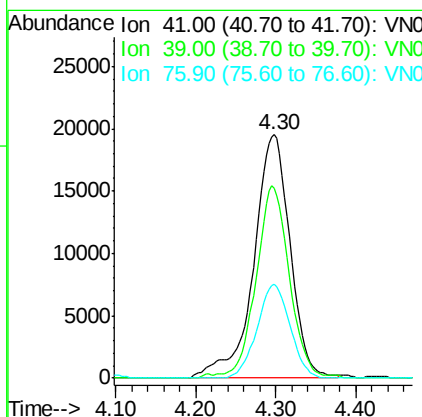
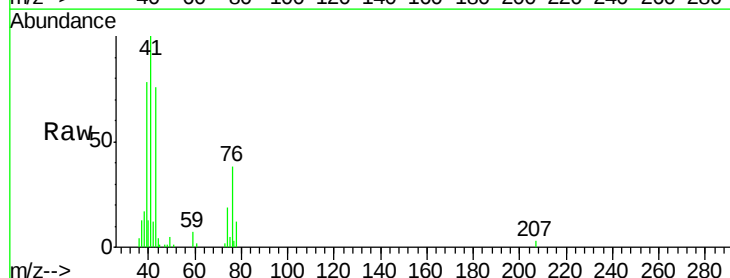
Manual Integrations
APPROVED

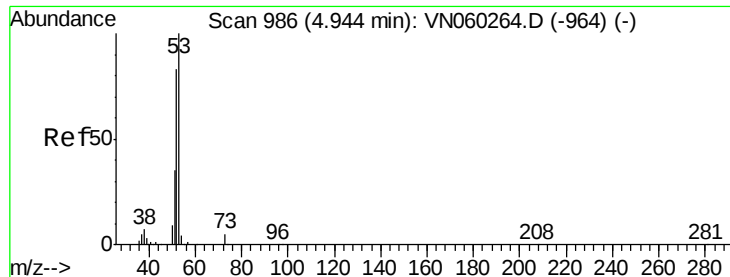
MMDadoda
3/6/2020 11:18:16 AM



#14
Allyl chloride
Concen: 17.949 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	72.1	55.4	83.2
76	76	34.8	27.0	40.6





#15

Acrylonitrile

Concen: 96.455 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Instrument :

MSVOA_N

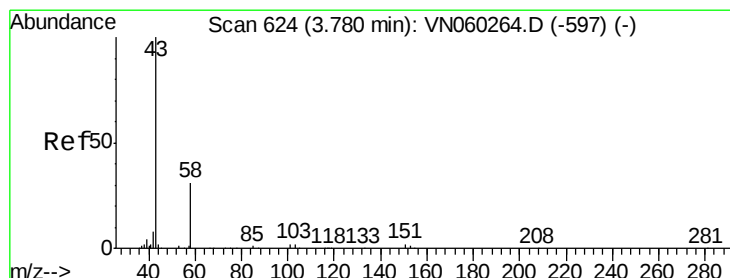
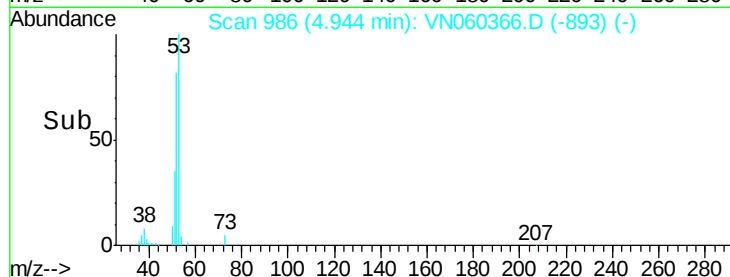
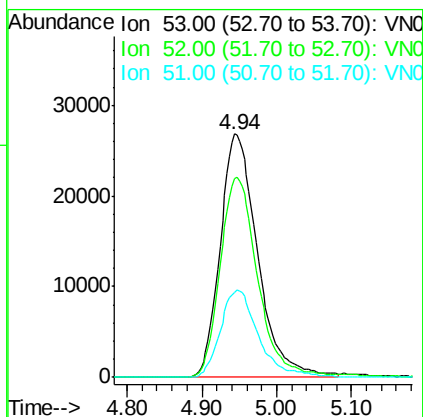
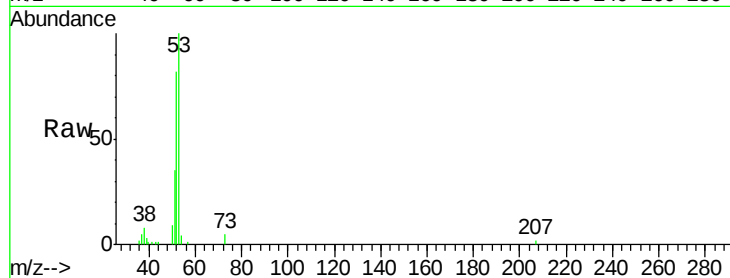
ClientSampled :

VN0305WBSD01

Tot Ion:	53	Resp:	93096
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.8	100.2
51	36.4	29.0	43.6

Manual Integrations
APPROVED

MMDadoda
3/6/2020 11:18:16 AM



#16

Acetone

Concen: 91.431 ug/l

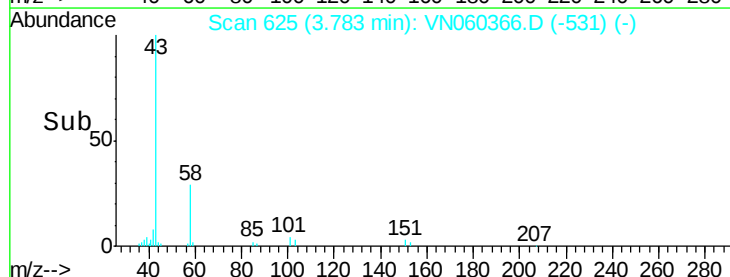
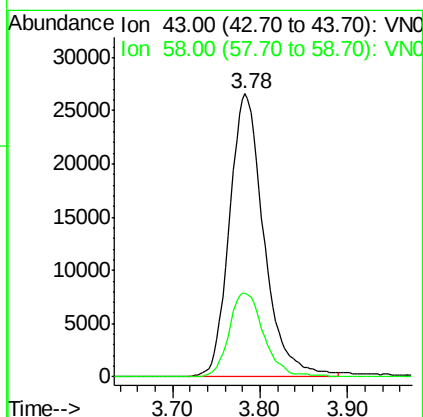
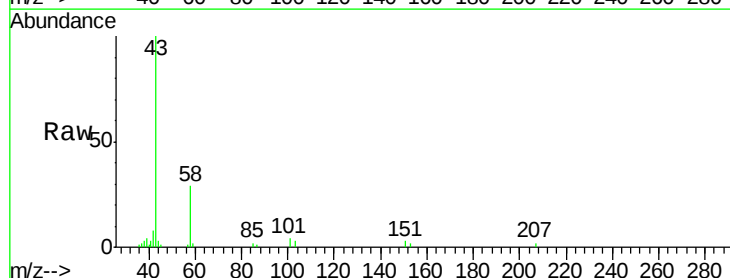
RT: 3.78 min Scan# 625

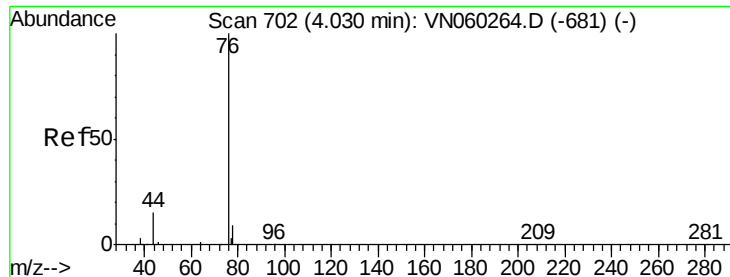
Delta R.T. 0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Tgt Ion:	43	Resp:	72813
Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.6	36.8





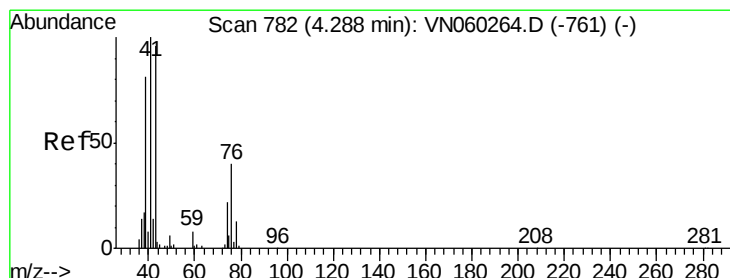
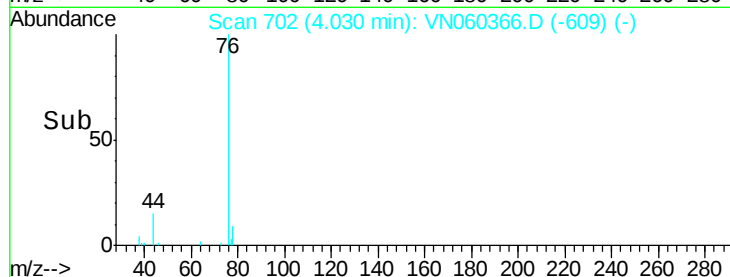
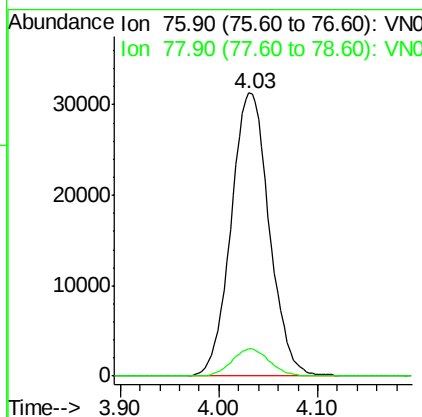
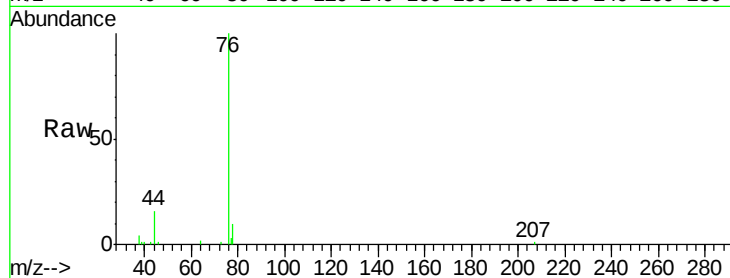
#17
Carbon Disulfide
Concen: 16.698 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Instrument :
MSVOA_N
ClientSampled :
VN0305WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.4	11.0

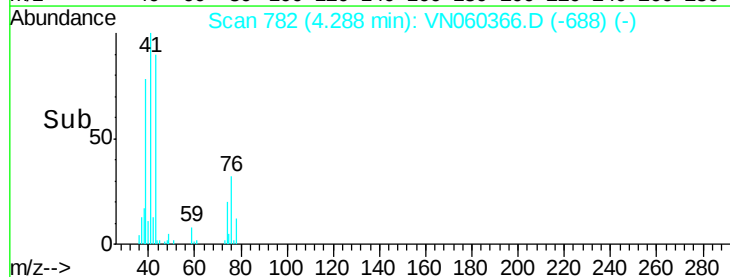
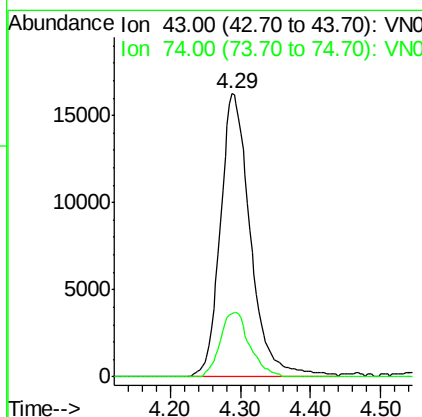
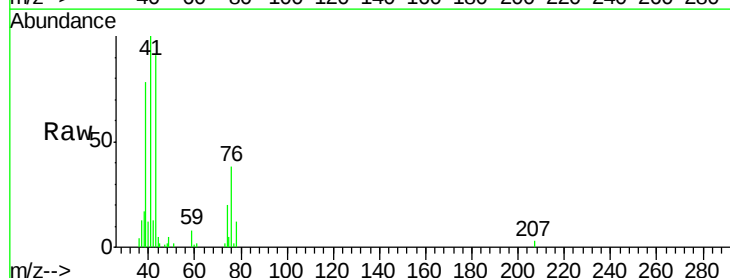
Manual Integrations
APPROVED

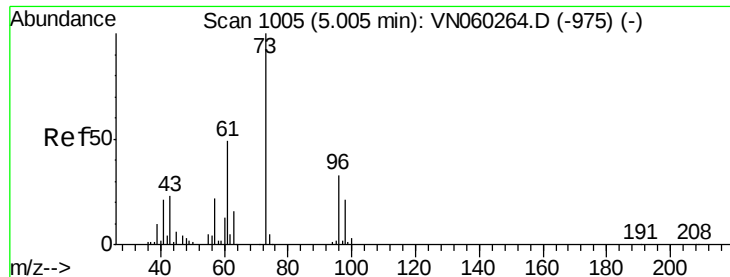
MMDadoda
3/6/2020 11:18:16 AM



#18
Methyl Acetate
Concen: 18.260 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	18.8	28.2





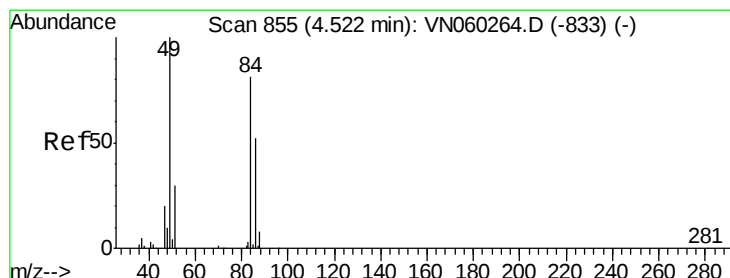
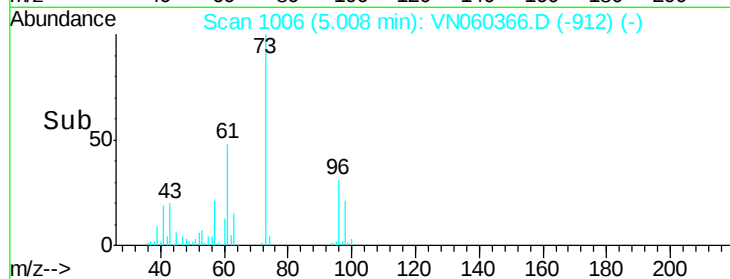
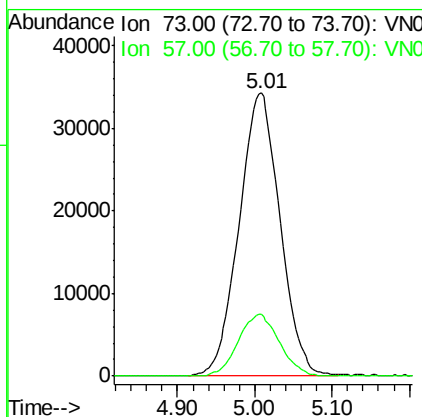
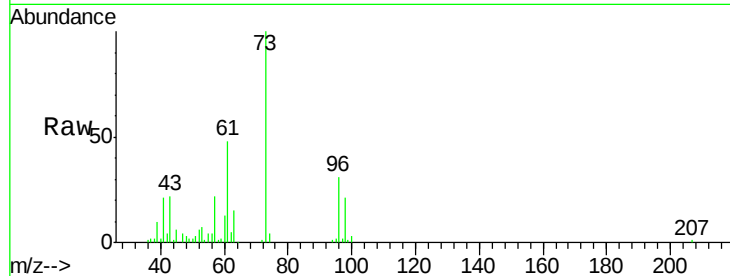
#19
Methyl tert-butyl Ether
Concen: 18.883 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Instrument :
MSVOA_N
ClientSampled :
VN0305WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.3	25.9

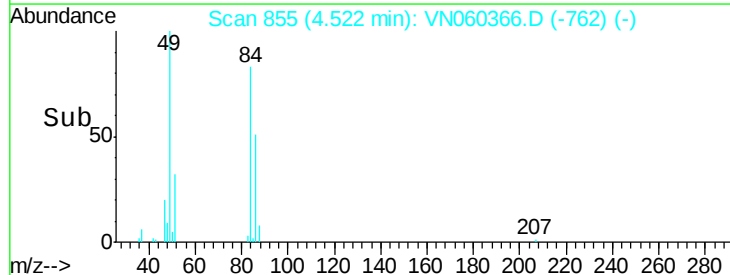
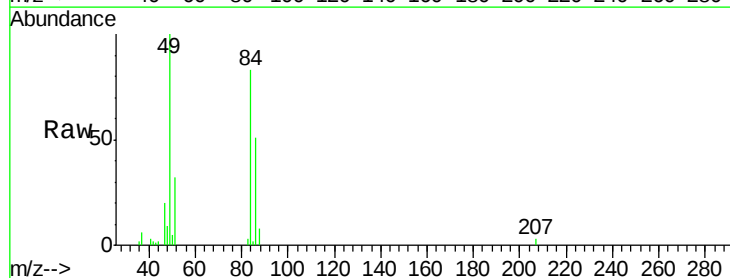
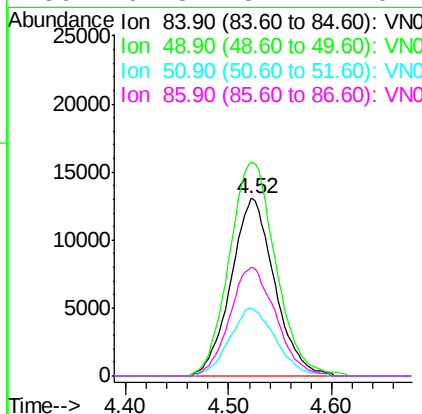
Manual Integrations
APPROVED

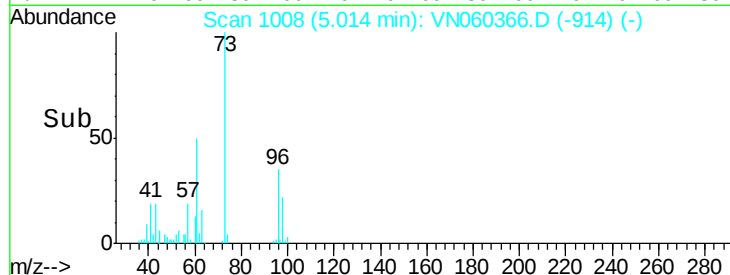
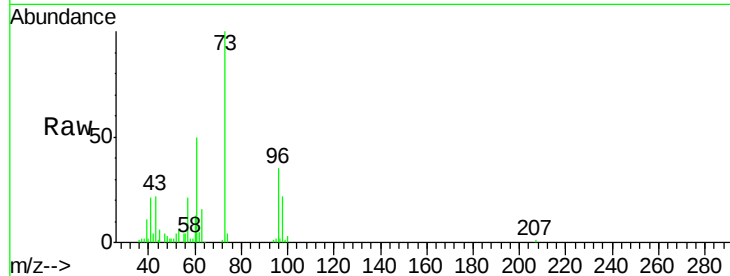
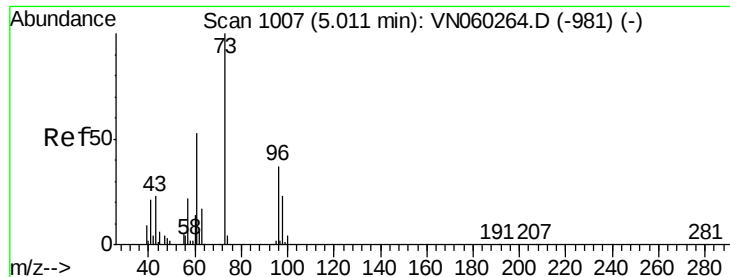
MMDadoda
3/6/2020 11:18:16 AM



#20
Methylene Chloride
Concen: 17.576 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.4	99.3	148.9
51	38.3	30.1	45.1
86	61.3	51.1	76.7





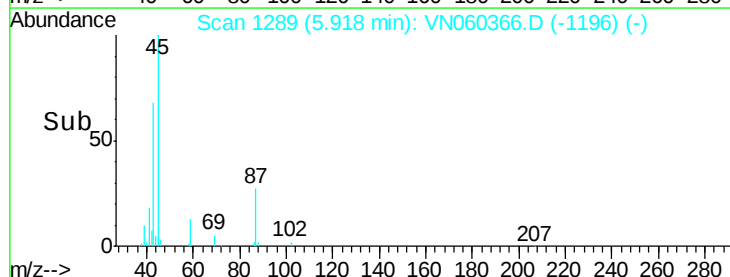
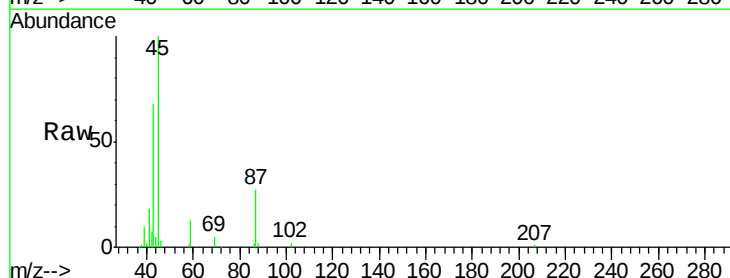
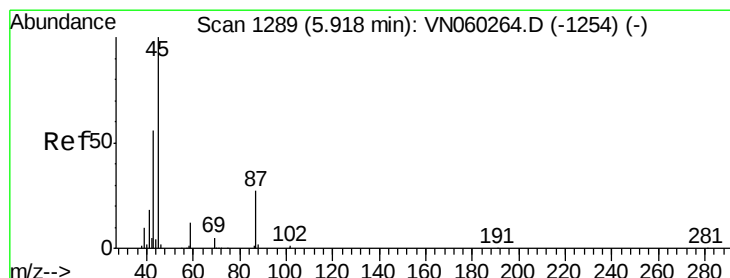
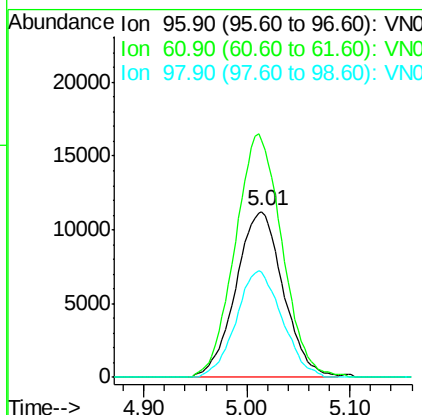
#21
trans-1,2-Dichloroethene
Concen: 17.827 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.9	113.8	170.8
98	63.4	48.8	73.2

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBSD01

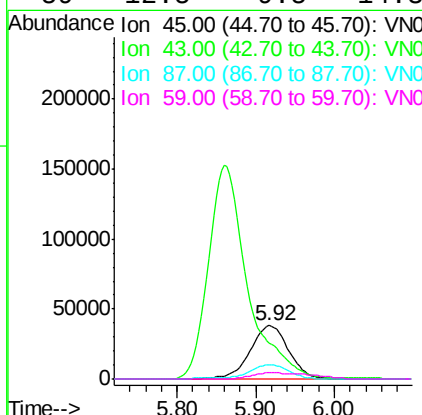
Manual Integrations
APPROVED

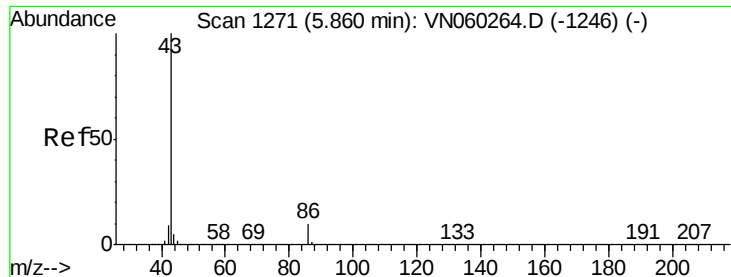
MMDadoda
3/6/2020 11:18:16 AM



#22
Diisopropyl ether
Concen: 19.079 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.9	48.6	72.8
87	26.7	22.2	33.2
59	12.5	9.5	14.3





#23

Vinyl Acetate

Concen: 95.804 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBSD01

Tot Ion: 43 Resp: 525030

Ion Ratio Lower Upper

43 100

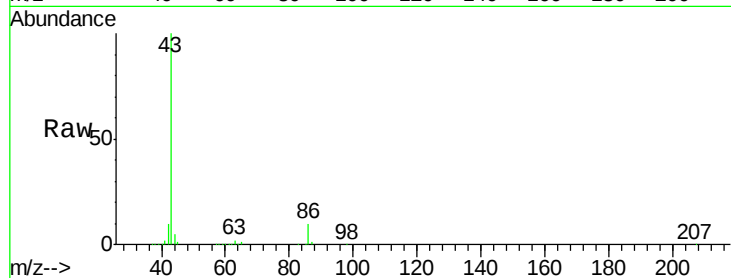
86 9.9 8.0 12.0

Manual Integrations

APPROVED

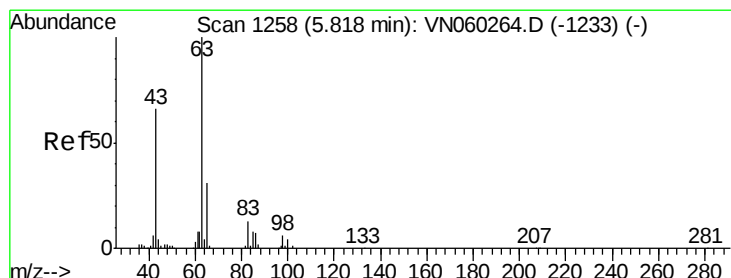
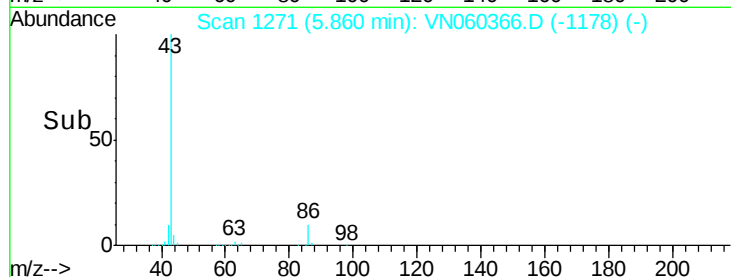
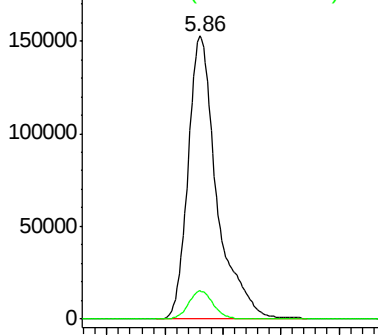
MMDadoda

3/6/2020 11:18:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.830 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

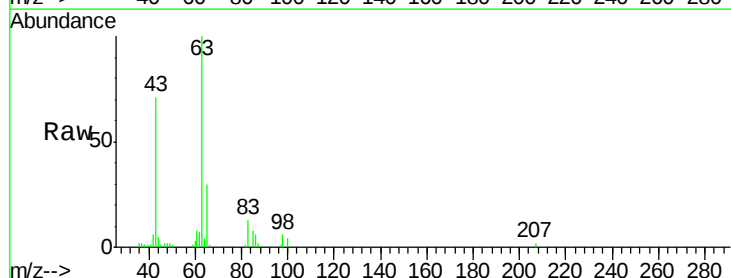
Tgt Ion: 63 Resp: 73512

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.0

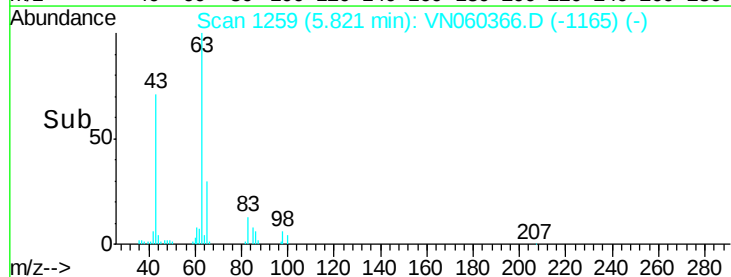
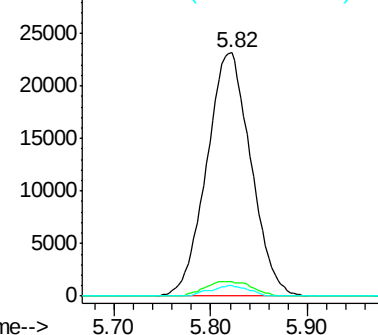
100 4.2 2.0 6.0

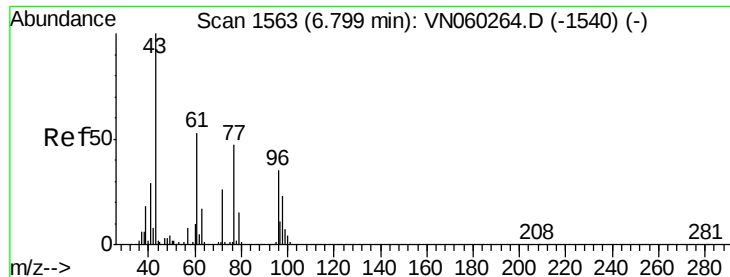


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 94.652 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBSD01

Tot Ion: 43 Resp: 121753

Ion Ratio Lower Upper

43 100

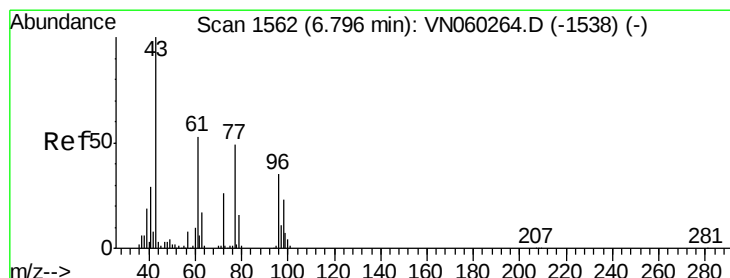
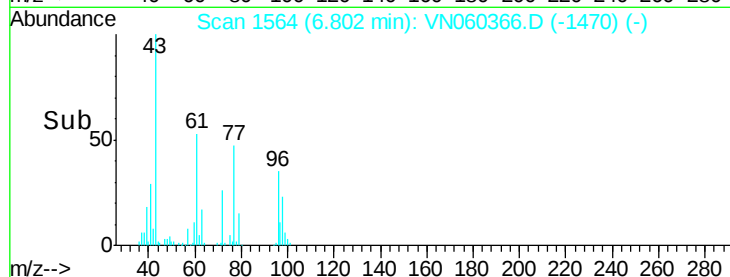
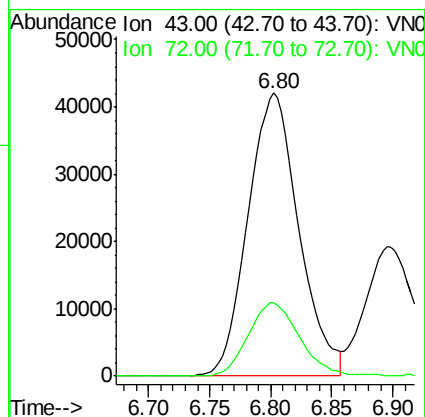
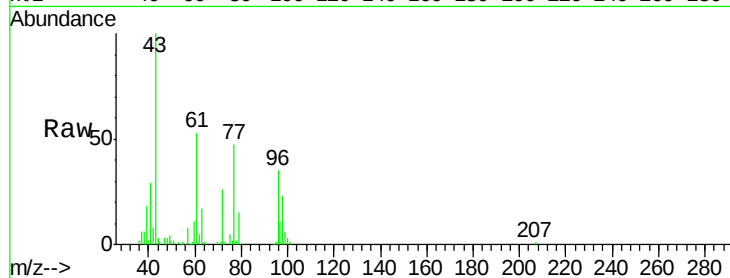
72 26.1 20.9 31.3

Manual Integrations

APPROVED

MMDadoda

3/6/2020 11:18:16 AM



#26

2,2-Dichloropropane

Concen: 18.436 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060366.D

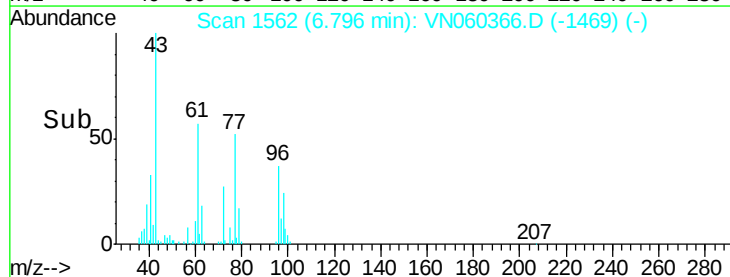
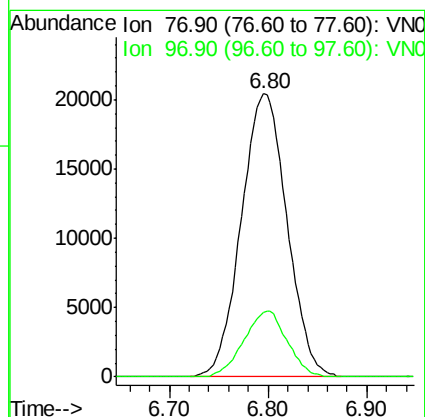
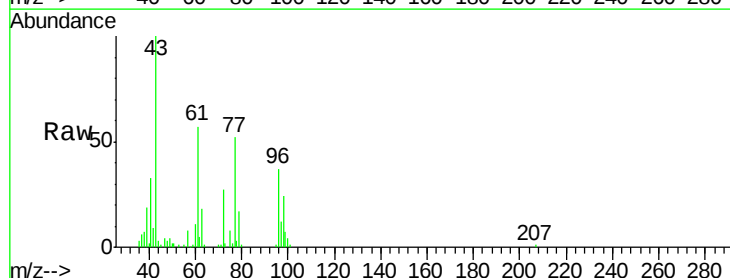
Acq: 5 Mar 2020 14:58

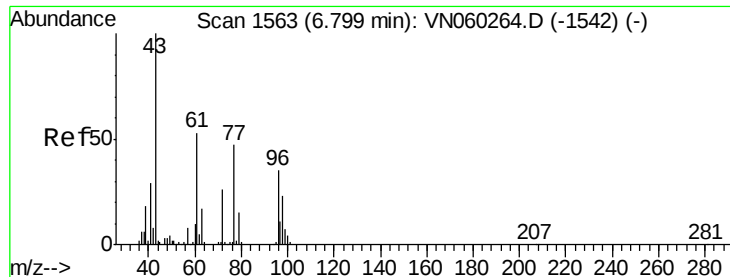
Tgt Ion: 77 Resp: 65522

Ion Ratio Lower Upper

77 100

97 21.9 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.563 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Instrument :

MSVOA_N

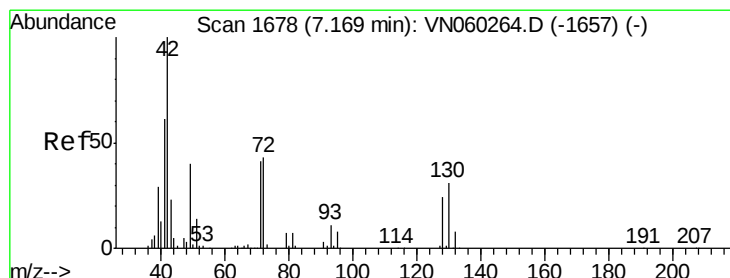
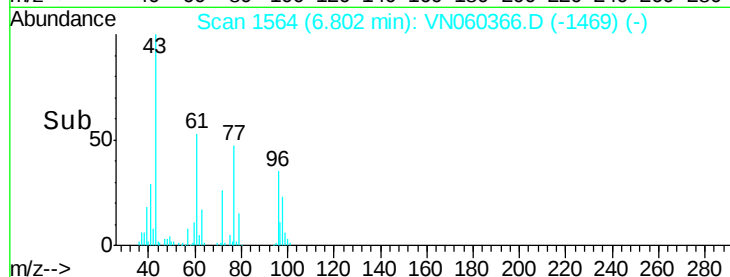
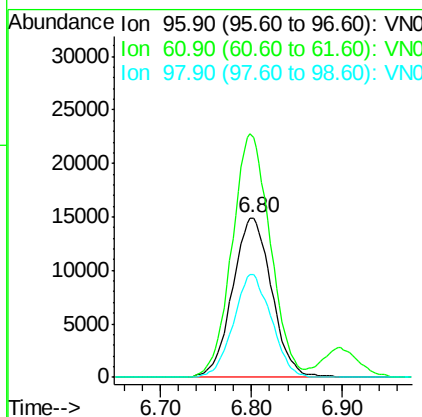
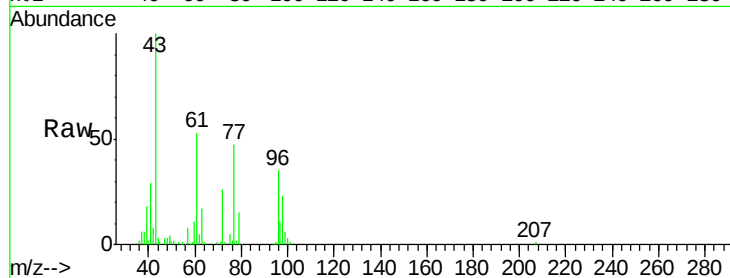
ClientSampleId :

VN0305WBSD01

Tot Ion:	96	Resp:	44540
Ion	Ratio	Lower	Upper
96	100		
61	149.5	0.0	300.8
98	62.3	0.0	128.2

Manual Integrations
APPROVED

MMDadoda
3/6/2020 11:18:16 AM



#28

Bromochloromethane

Concen: 19.206 ug/l

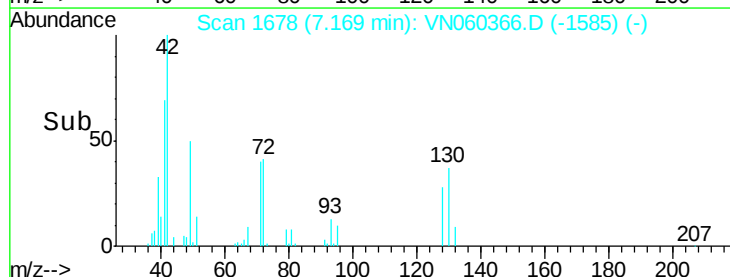
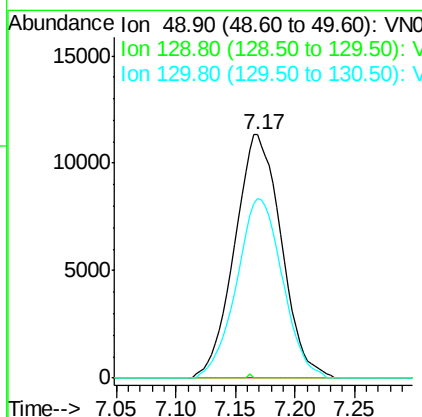
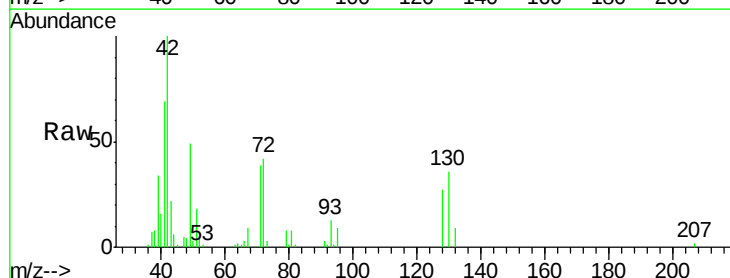
RT: 7.17 min Scan# 1678

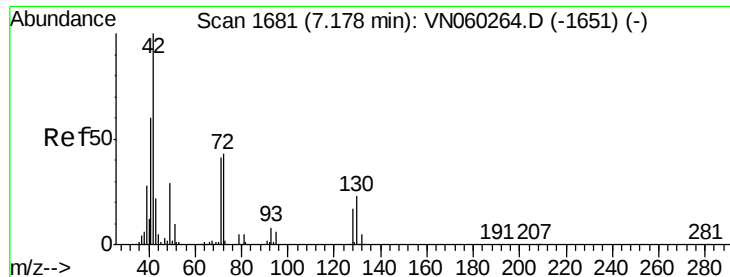
Delta R.T. 0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Tgt Ion:	49	Resp:	30785
Ion	Ratio	Lower	Upper
49	100		
129	0.1	0.0	3.8
130	72.4	59.8	89.8





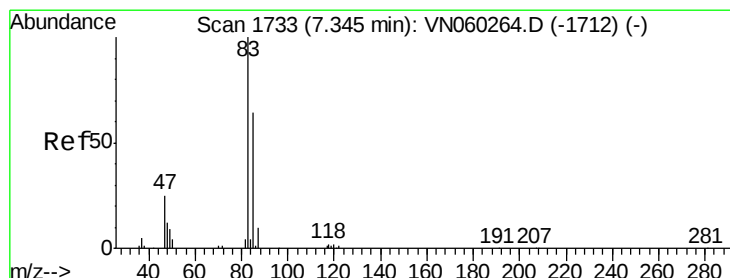
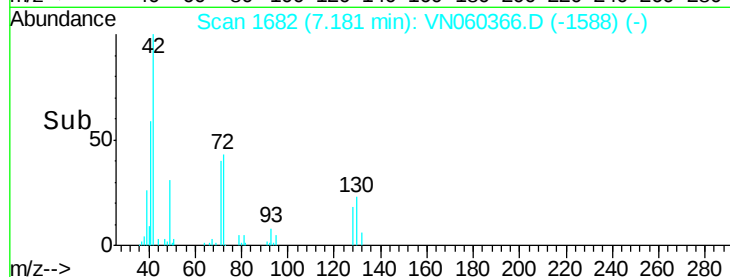
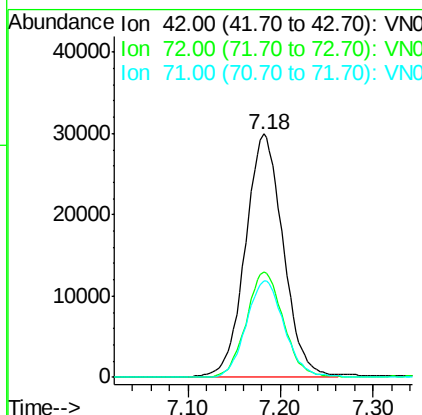
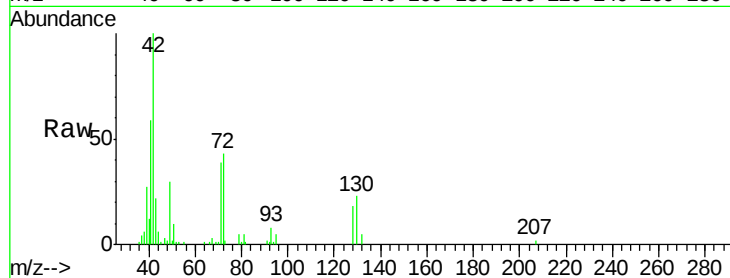
#29
Tetrahydrofuran
Concen: 95.070 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	34.6	52.0
71	39.7	32.9	49.3

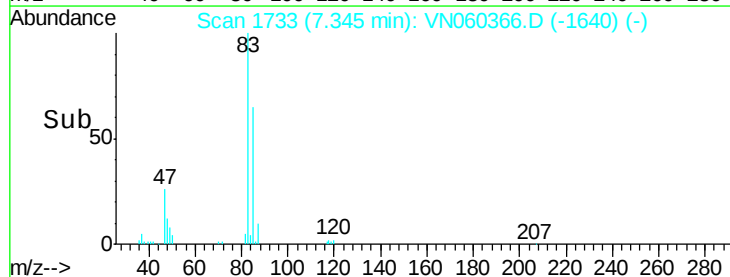
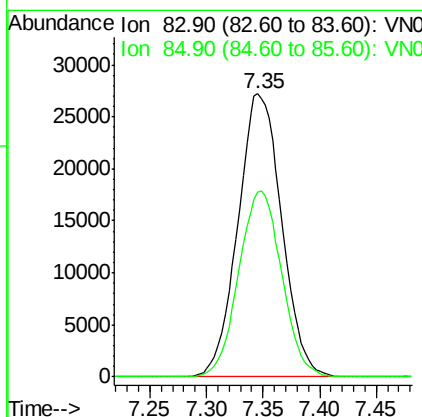
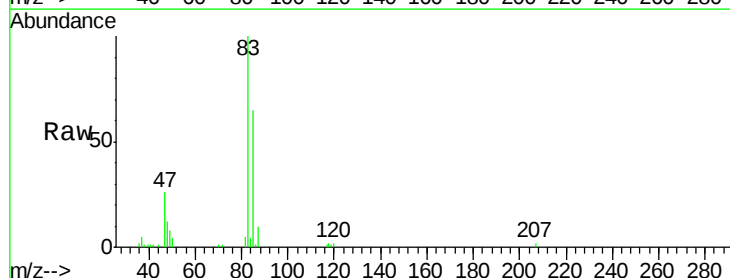
Manual Integrations
APPROVED

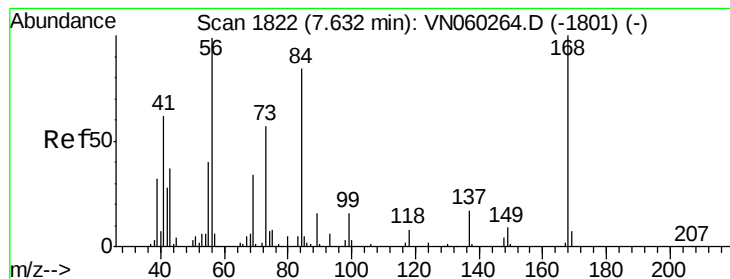
MMDadoda
3/6/2020 11:18:16 AM



#30
Chloroform
Concen: 18.815 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.4	77.2





#31

Cyclohexane

Concen: 18.626 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Instrument :

MSVOA_N

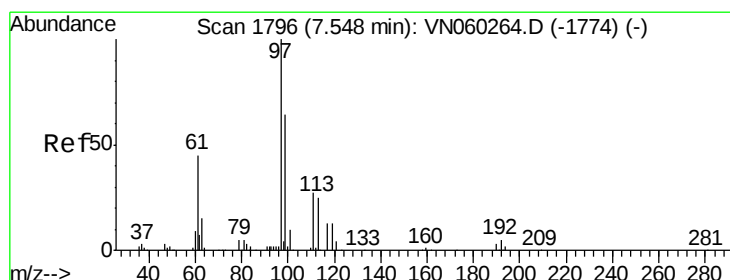
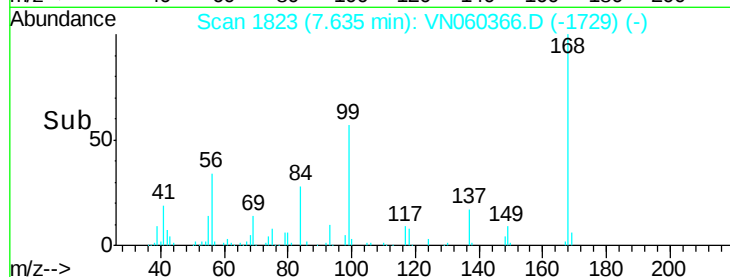
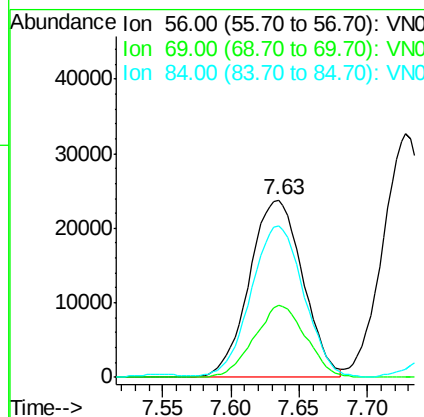
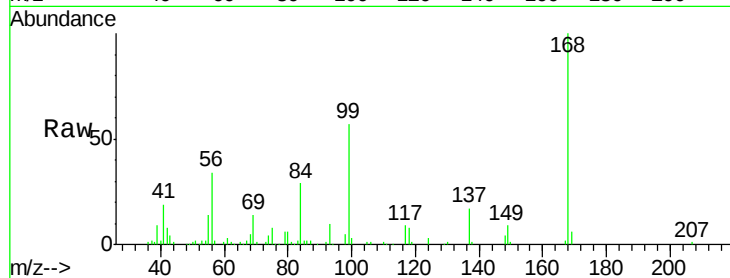
ClientSampled :

VN0305WBSD01

Tot Ion:	56	Resp:	64853
Ion	Ratio	Lower	Upper
56	100		
69	40.4	27.2	40.8
84	84.6	66.7	100.1

Manual Integrations
APPROVED

MMDadoda
3/6/2020 11:18:16 AM



#32

1,1,1-Trichloroethane

Concen: 18.561 ug/l

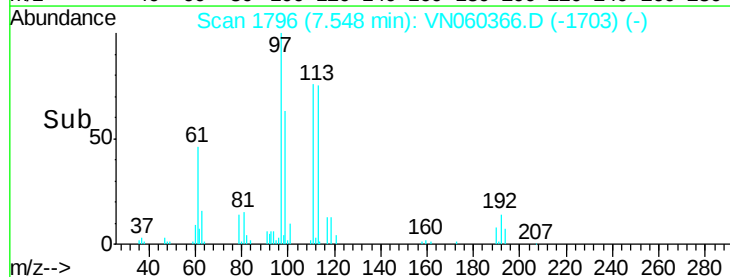
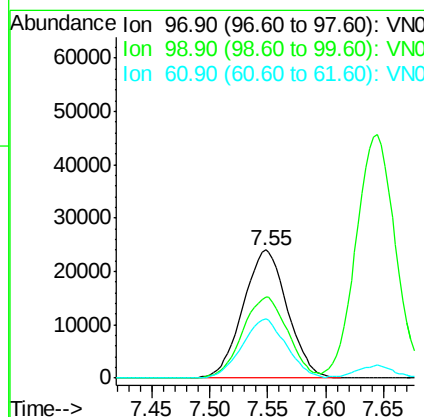
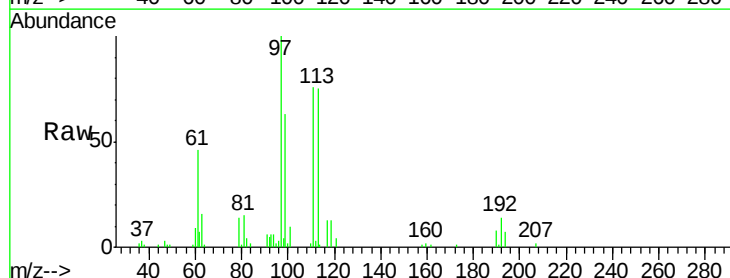
RT: 7.55 min Scan# 1796

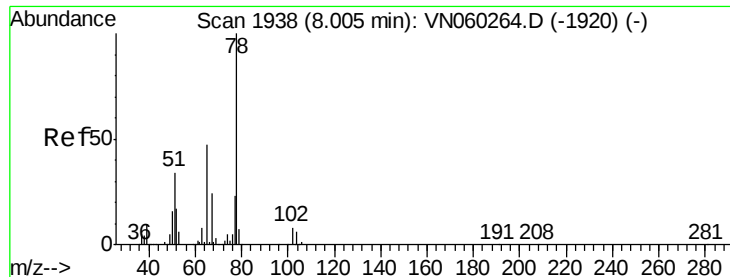
Delta R.T. -0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Tgt Ion:	97	Resp:	63909
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	46.0	36.6	55.0





#33

1,2-Dichloroethane-d4

Concen: 51.044 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBSD01

Tot Ion: 65 Resp: 125879

Ion Ratio Lower Upper

65 100

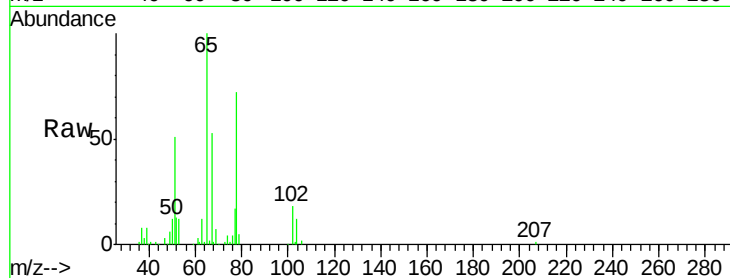
67 52.3 0.0 103.8

Manual Integrations

APPROVED

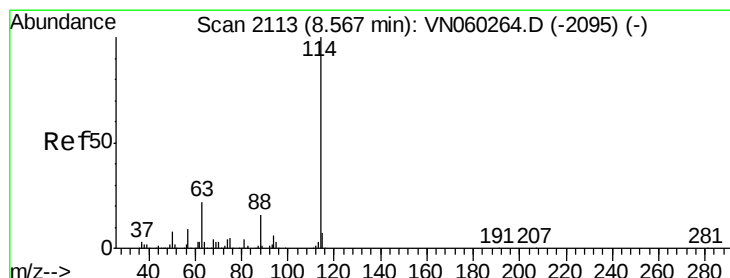
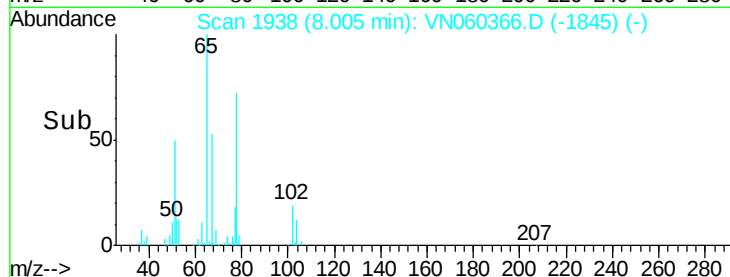
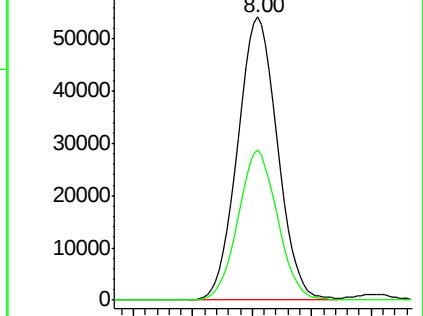
MMDadoda

3/6/2020 11:18:16 AM



Abundance Ion 64.90 (64.60 to 65.60): VN060366.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060366.D (-1845) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

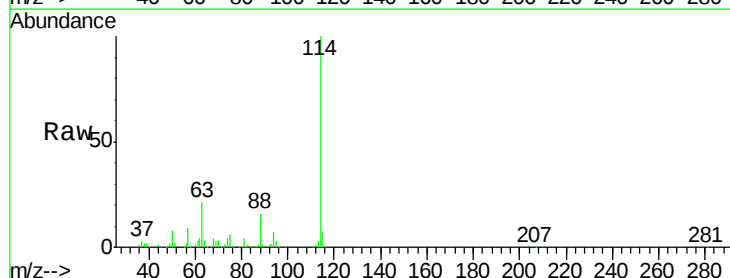
Tgt Ion: 114 Resp: 317898

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.2

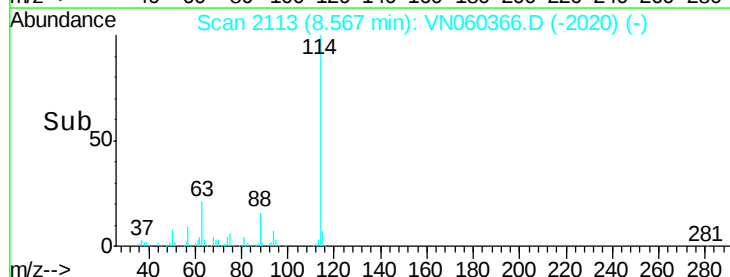
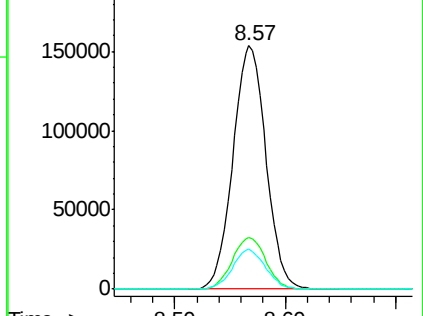
88 16.2 0.0 31.6

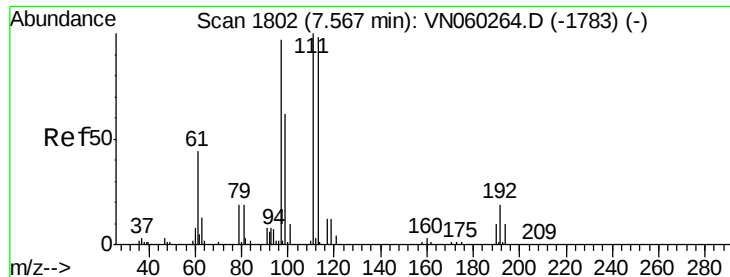


Abundance Ion 113.90 (113.60 to 114.60): VN060366.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN060366.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN060366.D (-2020) (-)





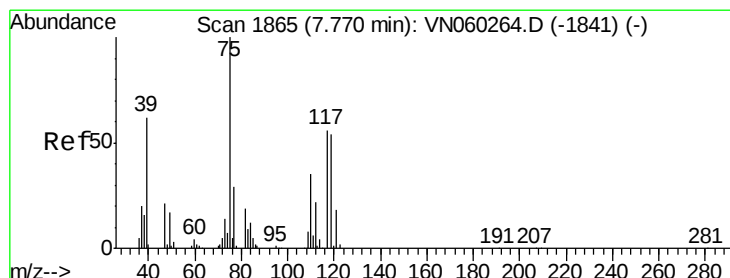
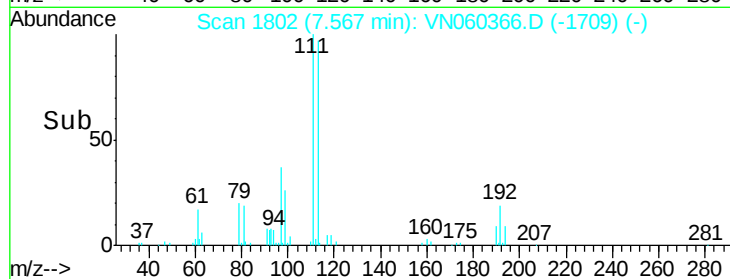
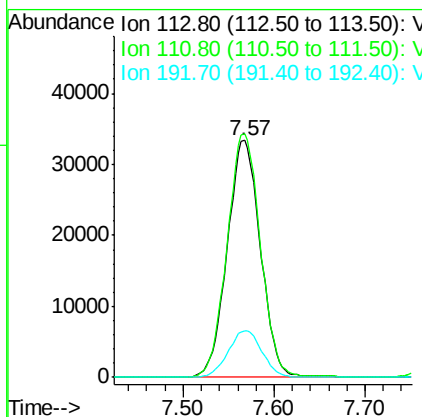
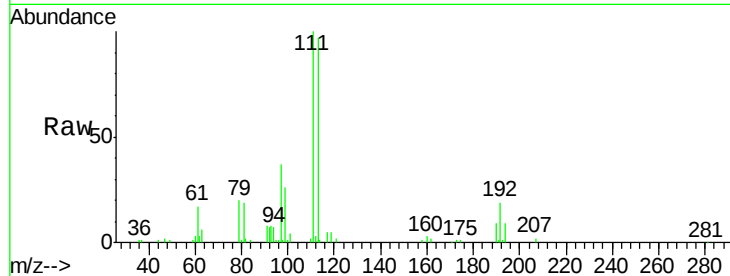
#35
 Dibromofluoromethane
 Concen: 57.405 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060366.D
 Acq: 5 Mar 2020 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.4	123.6
192	19.9	16.2	24.2

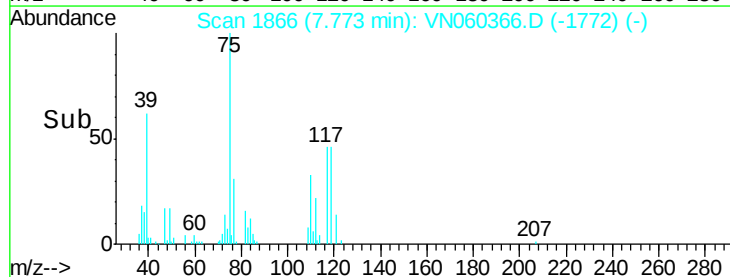
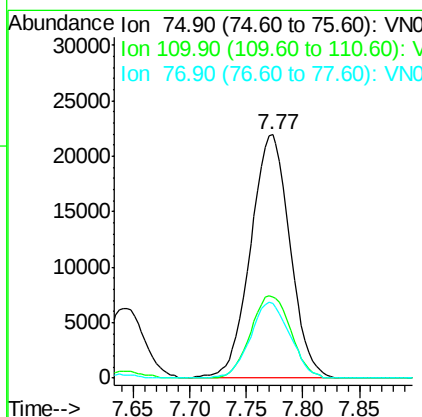
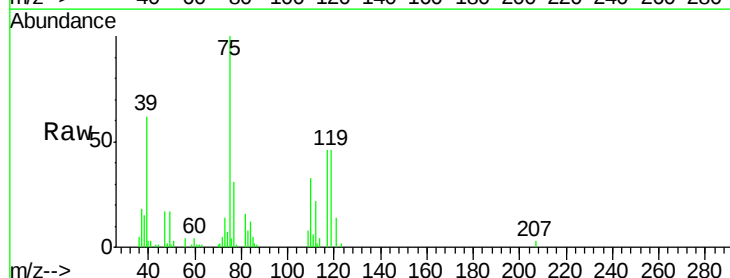
Manual Integrations
 APPROVED

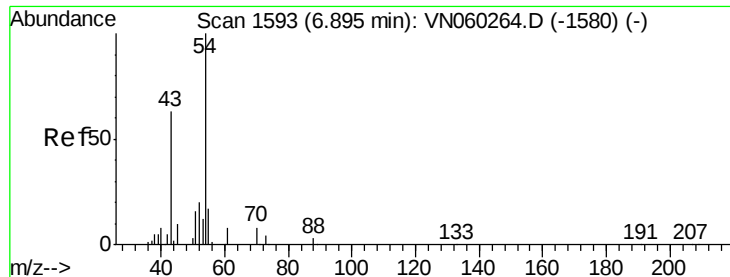
MMDadoda
 3/6/2020 11:18:16 AM



#36
 1,1-Dichloropropene
 Concen: 17.550 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN060366.D
 Acq: 5 Mar 2020 14:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.3	52.0
77	31.3	24.2	36.2





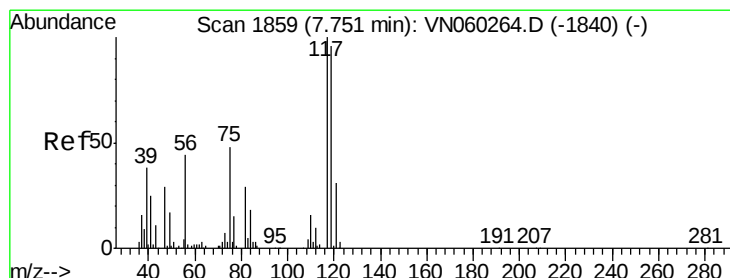
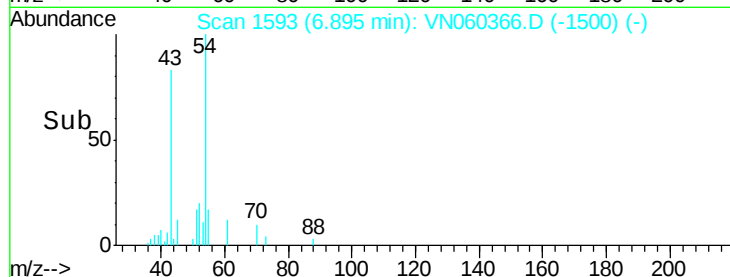
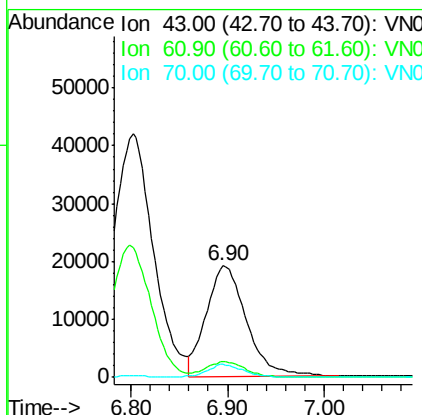
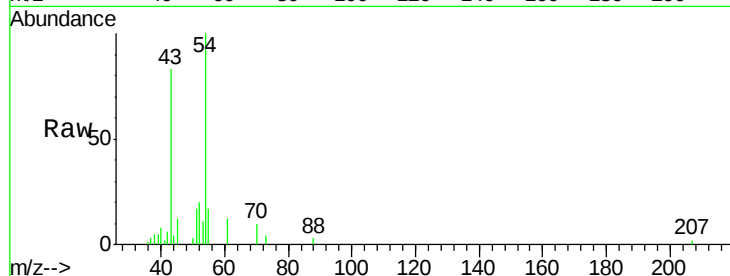
#37
Ethyl Acetate
Concen: 19.305 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Instrument :
MSVOA_N
ClientSampled :
VN0305WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.1	16.7
70	10.3	8.4	12.6

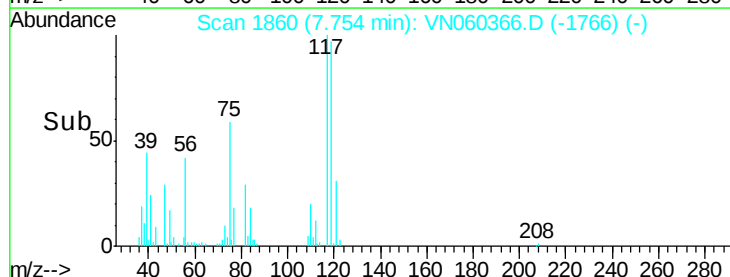
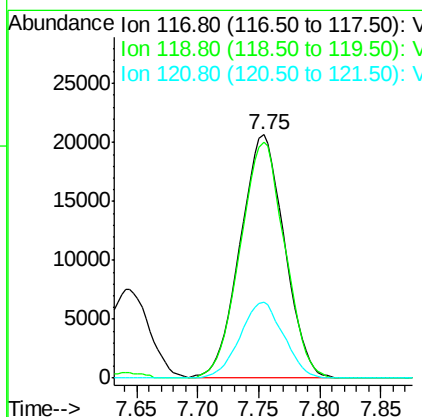
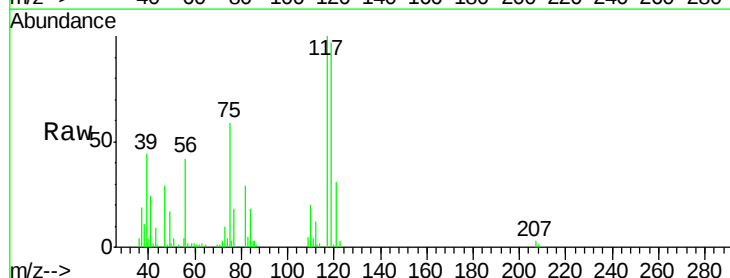
Manual Integrations
APPROVED

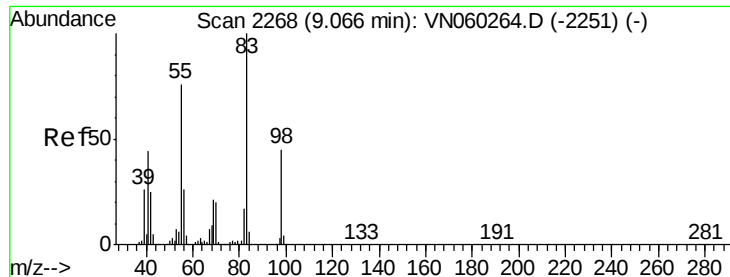
MMDadoda
3/6/2020 11:18:16 AM



#38
Carbon Tetrachloride
Concen: 17.589 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.7	115.1
121	31.4	24.5	36.7





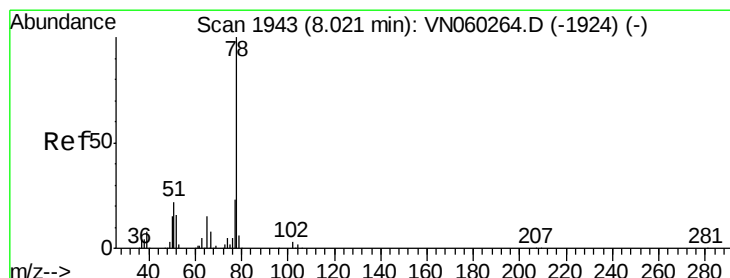
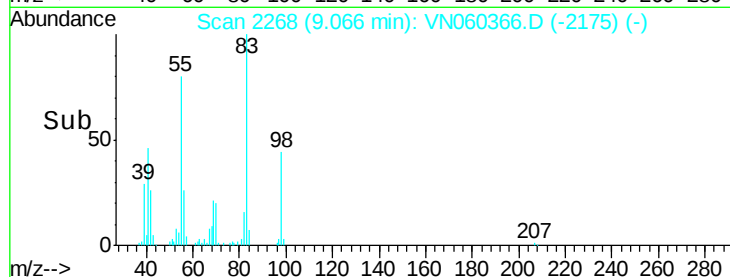
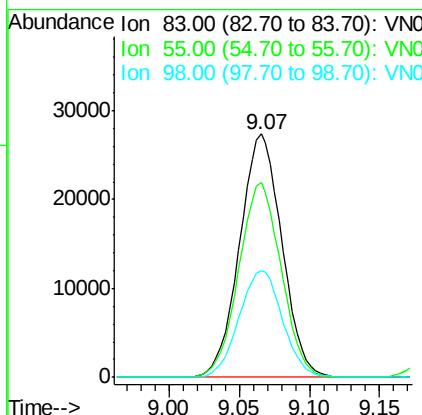
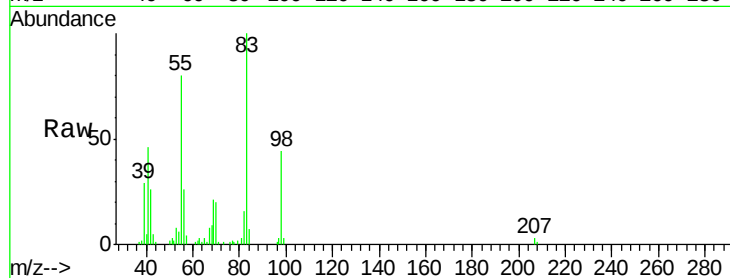
#39
Methvlcvclohexane
Concen: 16.051 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	61.0	91.4
98	44.0	36.1	54.1

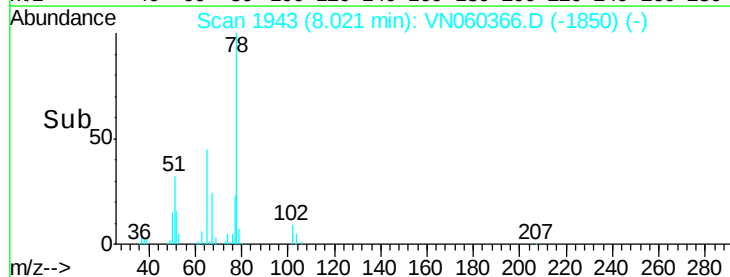
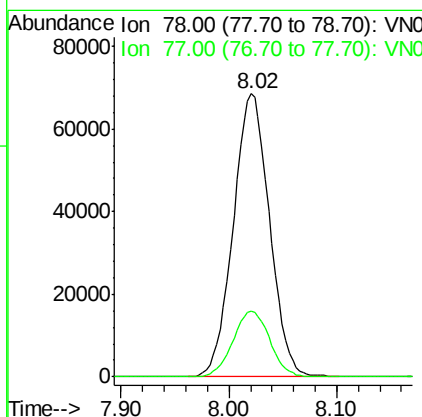
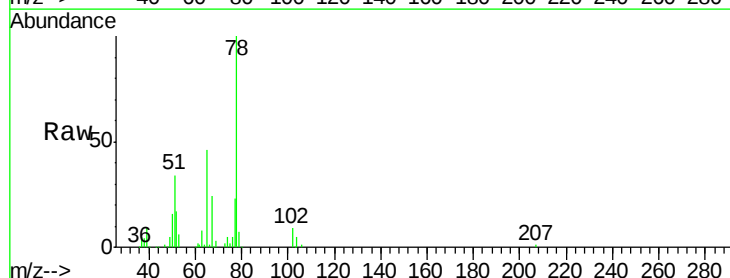
Manual Integrations
APPROVED

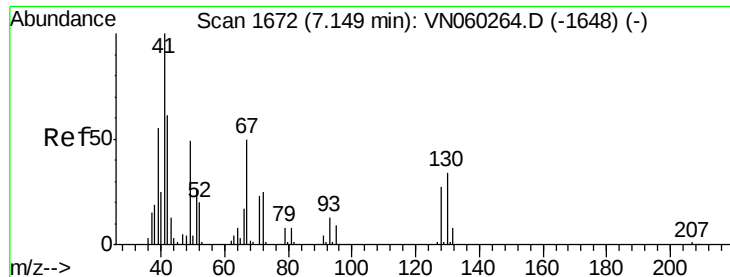
MMDadoda
3/6/2020 11:18:16 AM



#40
Benzene
Concen: 18.185 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





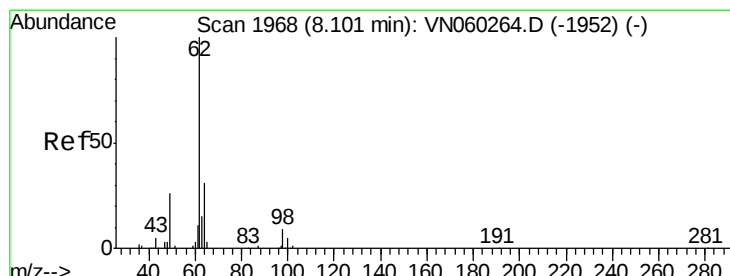
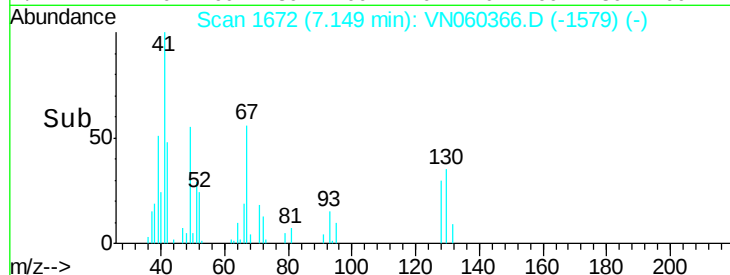
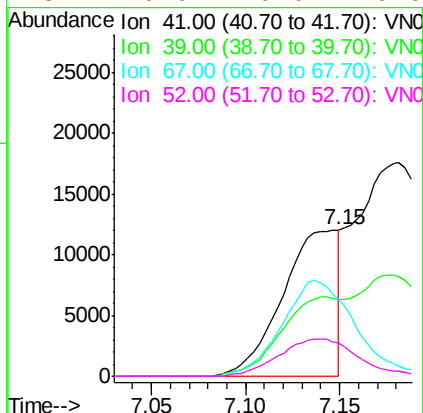
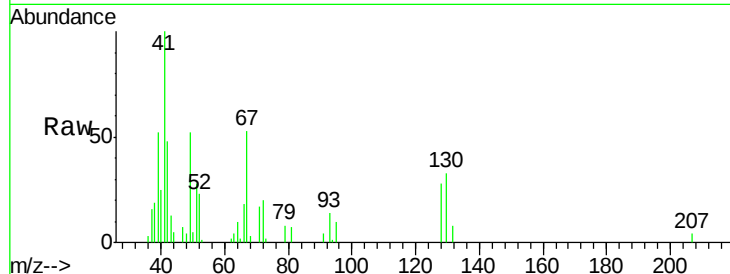
#41
Methacrylonitrile
Concen: 18.759 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Instrument :
MSVOA_N
ClientSampled :
VN0305WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		24848		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

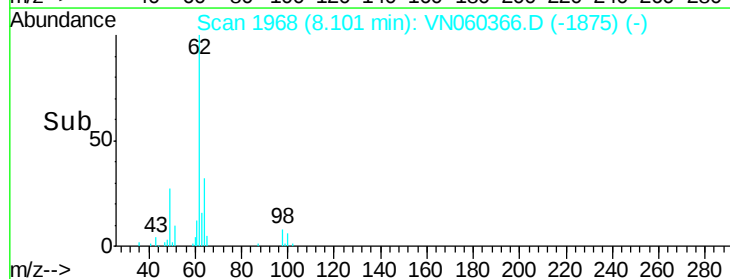
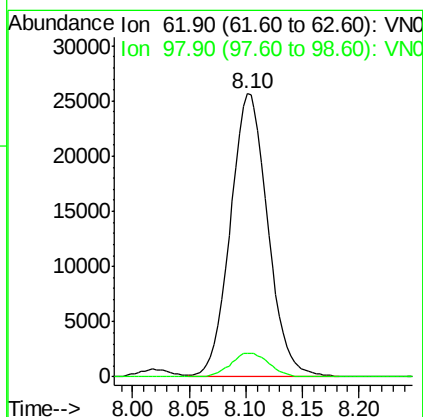
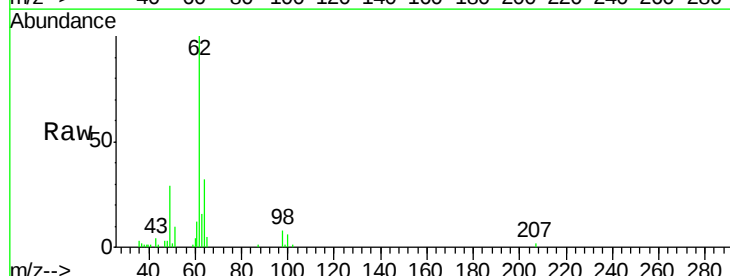
Manual Integrations
APPROVED

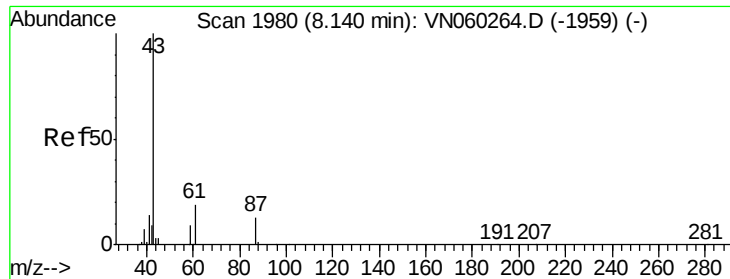
MMDadoda
3/6/2020 11:18:16 AM



#42
1,2-Dichloroethane
Concen: 18.580 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		59123		
98	8.5	0.0	17.0		





#43

Isopropyl Acetate

Concen: 19.725 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Instrument :

MSVOA_N

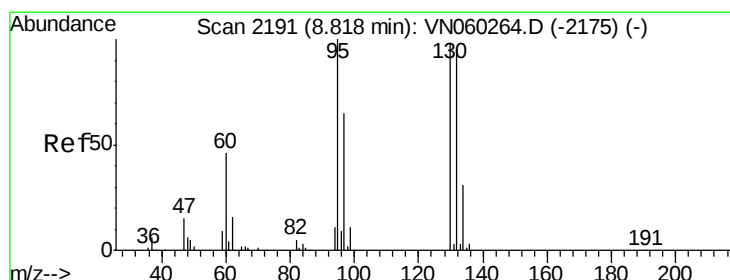
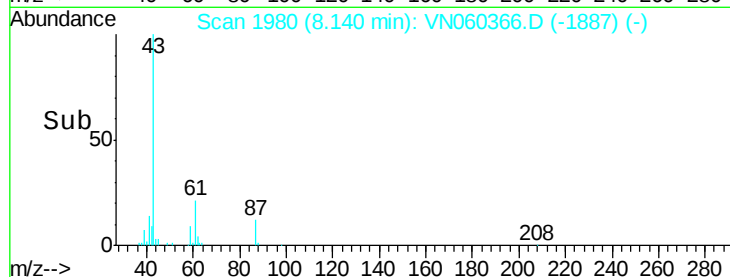
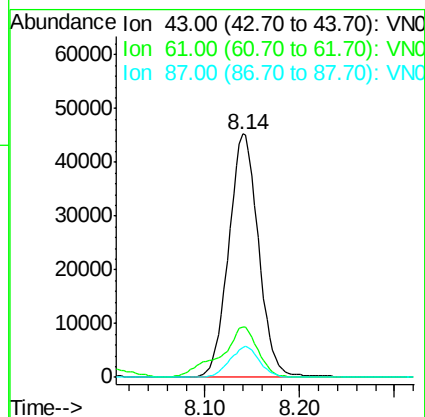
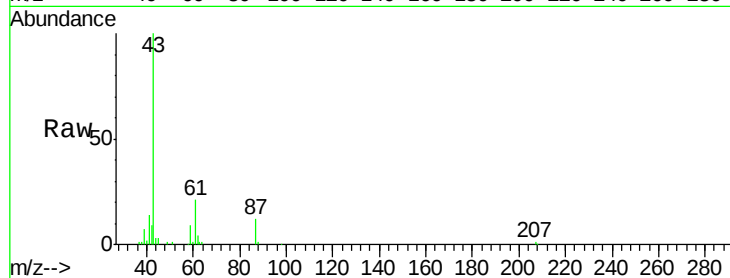
ClientSampleId :

VN0305WBSD01

Tot Ion:	43	Resp:	99066
Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.9	31.3
87	12.3	10.6	16.0

Manual Integrations
APPROVED

MMDadoda
3/6/2020 11:18:16 AM



#44

Trichloroethene

Concen: 17.565 ug/l

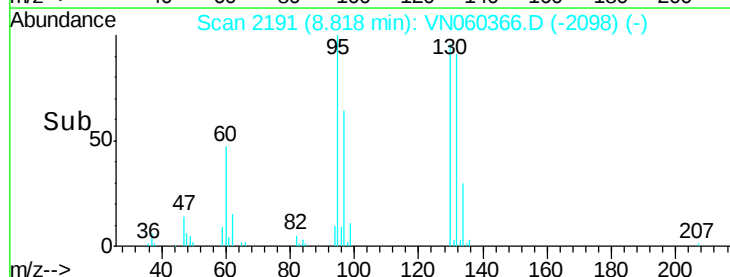
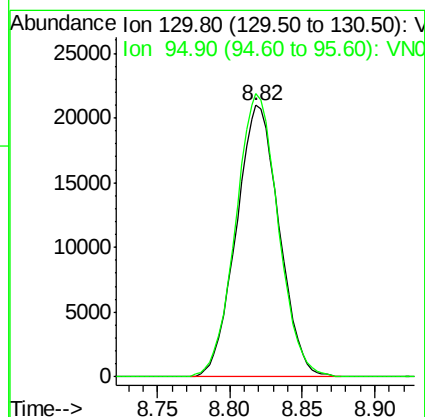
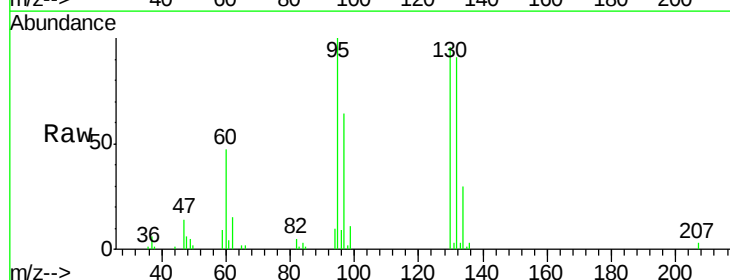
RT: 8.82 min Scan# 2191

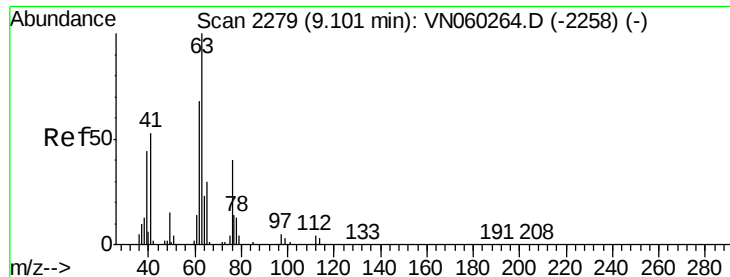
Delta R.T. 0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Tgt Ion:	130	Resp:	43138
Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	203.4





#45

1,2-Dichloropropane

Concen: 19.087 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBSD01

Tot Ion: 63 Resp: 44007

Ion Ratio Lower Upper

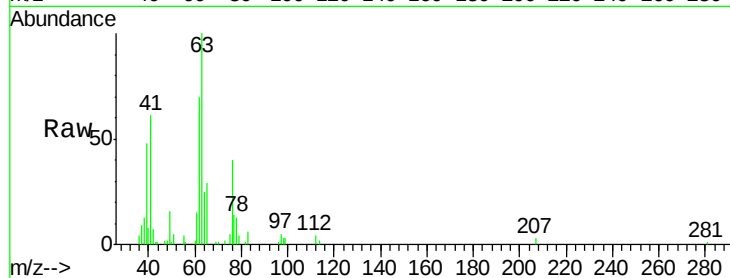
63 100

65 29.3 24.4 36.6

Manual Integrations
APPROVED

MMDadoda

3/6/2020 11:18:16 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.10

20000

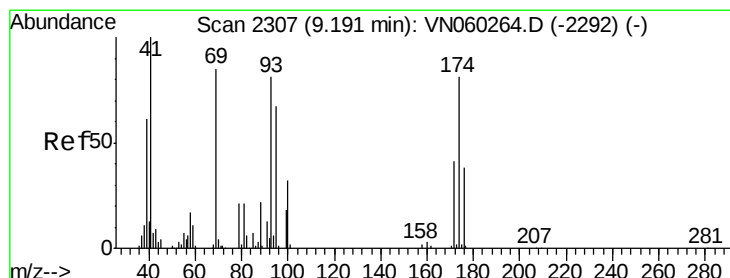
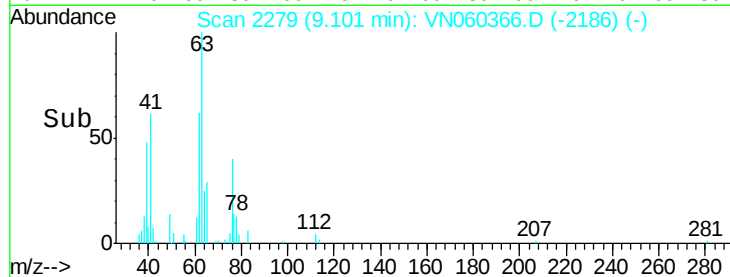
15000

10000

5000

0

Time--> 9.00 9.05 9.10 9.15



#46

Dibromomethane

Concen: 18.292 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

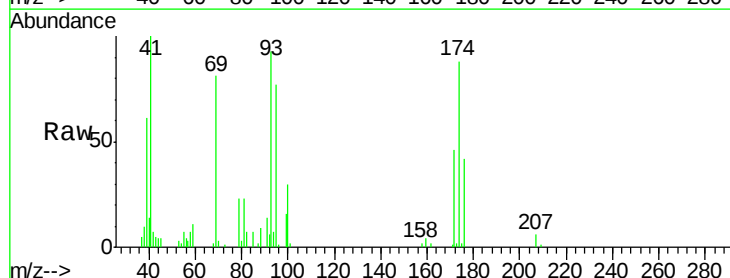
Tgt Ion: 93 Resp: 27364

Ion Ratio Lower Upper

93 100

95 82.9 65.9 98.9

174 97.2 79.6 119.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

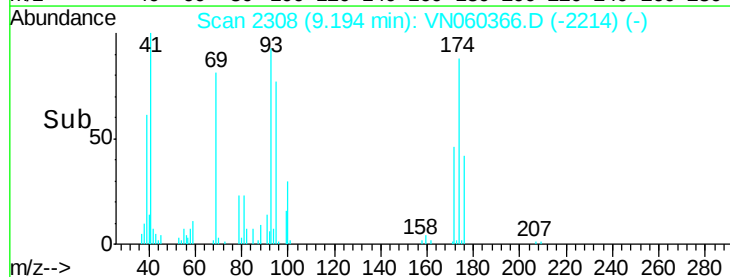
15000

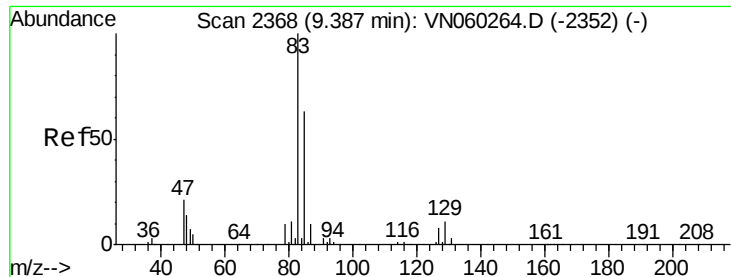
10000

5000

0

Time--> 9.15 9.20 9.25





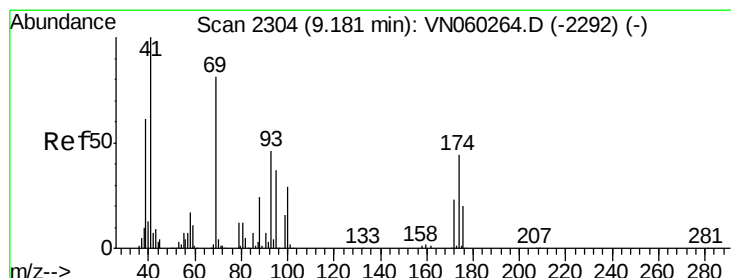
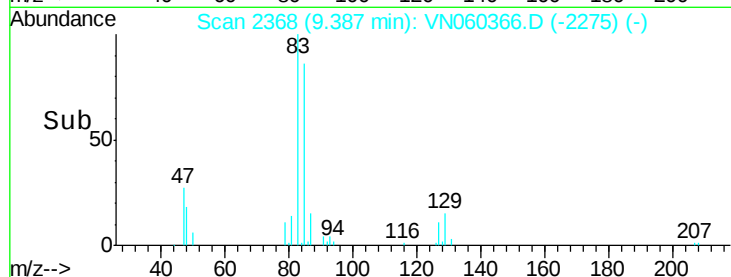
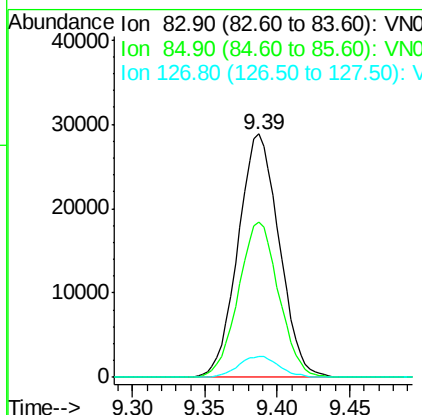
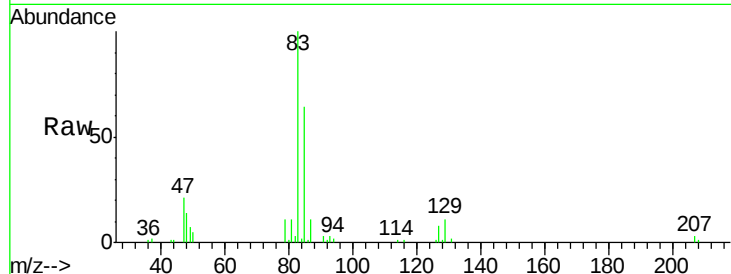
#47
Bromodichloromethane
Concen: 18.709 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.7	76.1
127	8.4	6.8	10.2

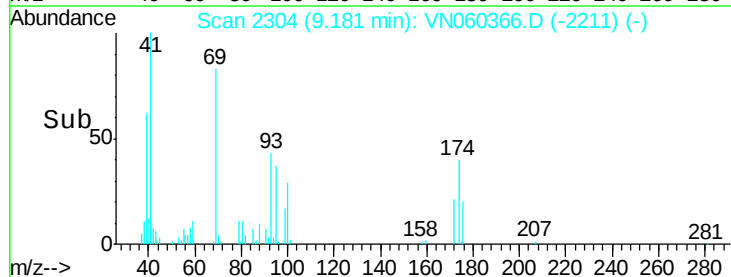
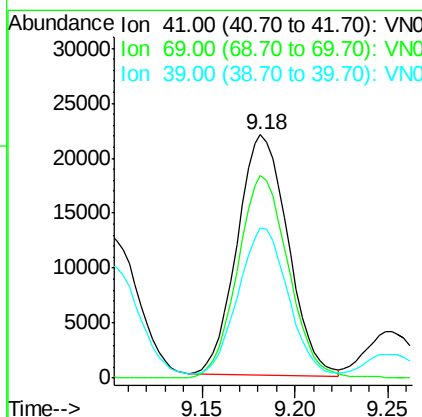
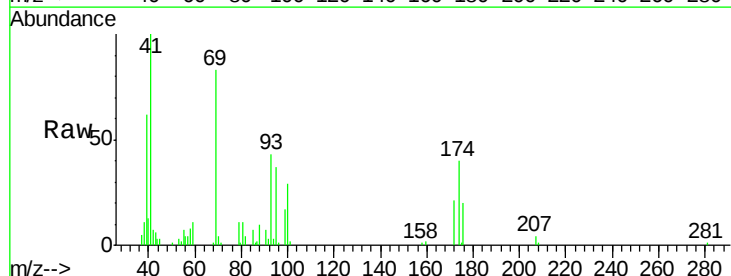
Manual Integrations
APPROVED

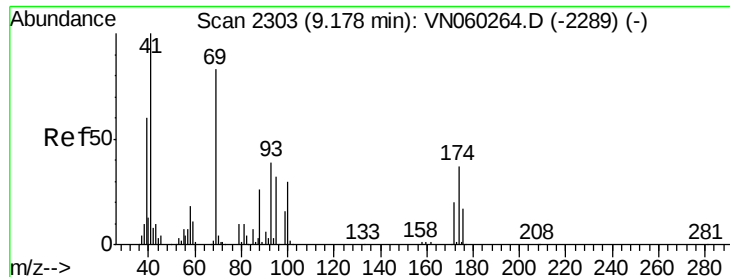
MMDadoda
3/6/2020 11:18:16 AM



#48
Methyl methacrylate
Concen: 18.112 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.2	66.7	100.1
39	63.0	50.1	75.1





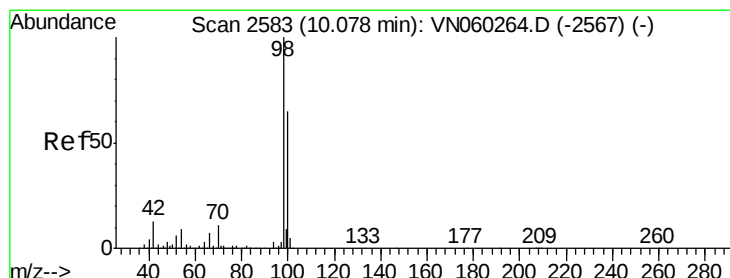
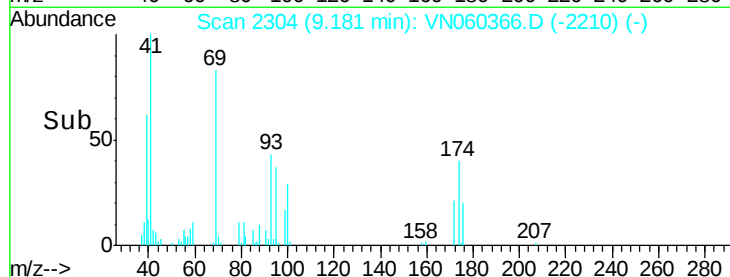
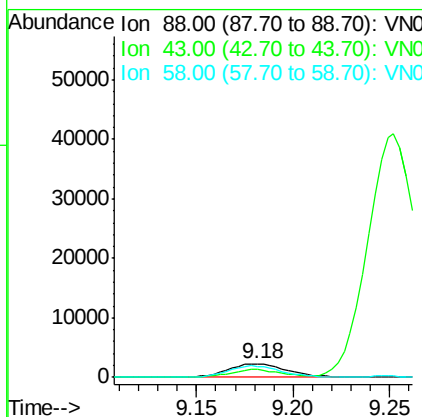
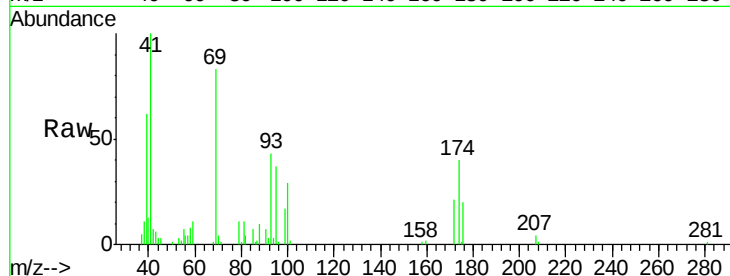
#49
1,4-Dioxane
Concen: 147.764 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Instrument :
MSVOA_N
ClientSampled :
VN0305WBSD01

Tot Ion	88	Resp	4759
Ion	Ratio	Lower	Upper
88	100		
43	52.2	30.4	45.6#
58	76.1	57.0	85.6

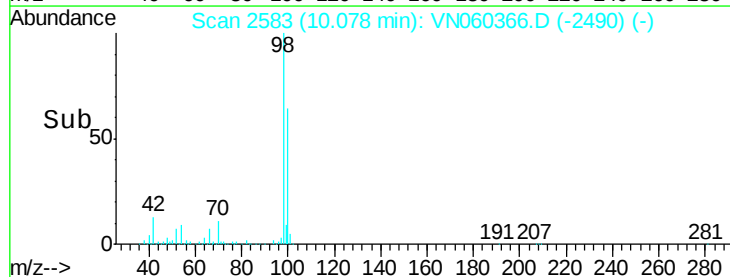
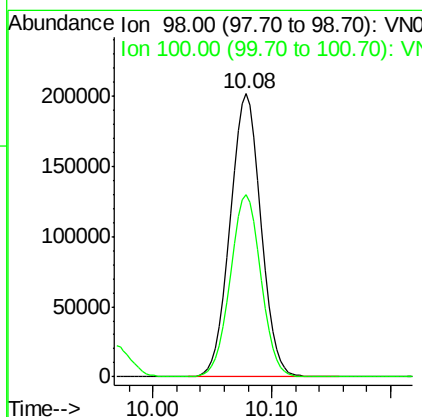
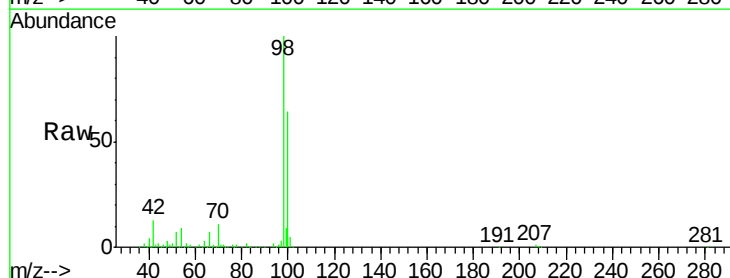
Manual Integrations
APPROVED

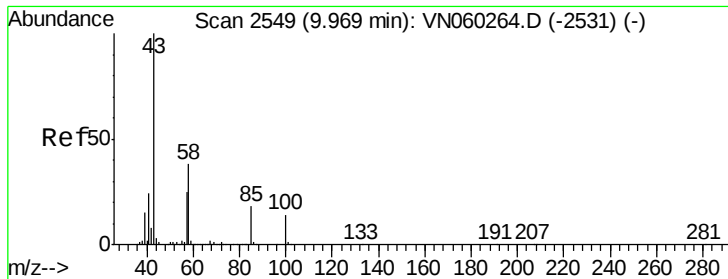
MMDadoda
3/6/2020 11:18:16 AM



#50
Toluene-d8
Concen: 48.314 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Tgt Ion	98	Resp	360811
Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 97.390 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Instrument :

MSVOA_N

ClientSampled :

VN0305WBSD01

Tot Ion: 43 Resp: 277322

Ion Ratio Lower Upper

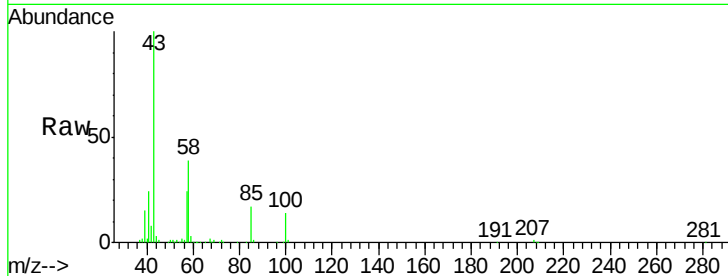
43 100

58 38.8 30.9 46.3

Manual Integrations
APPROVED

MMDadoda

3/6/2020 11:18:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

150000

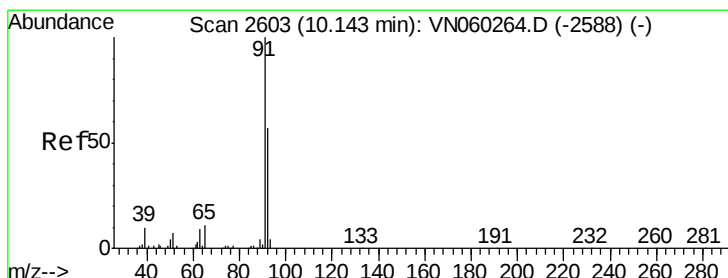
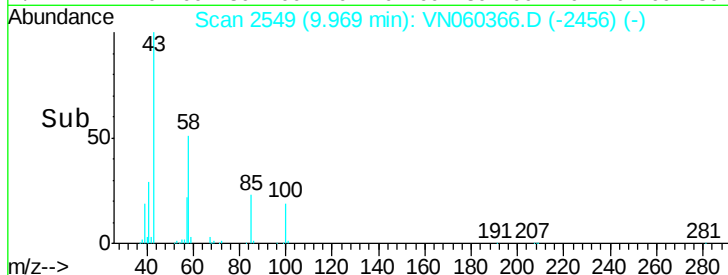
9.97

100000

50000

0

Time-->



#52

Toluene

Concen: 18.116 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060366.D

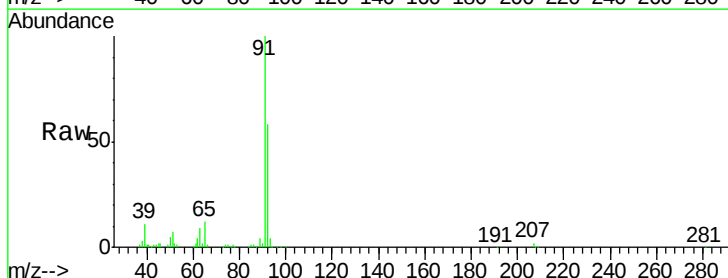
Acq: 5 Mar 2020 14:58

Tgt Ion: 92 Resp: 100348

Ion Ratio Lower Upper

92 100

91 172.8 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

100000

10.14

80000

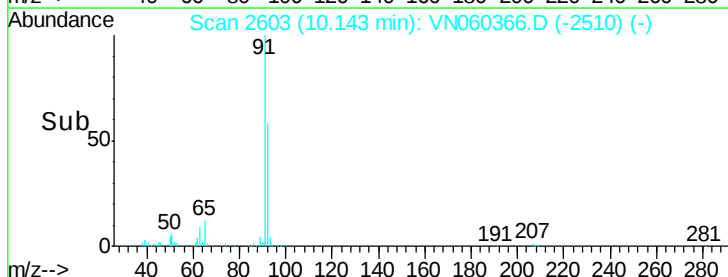
60000

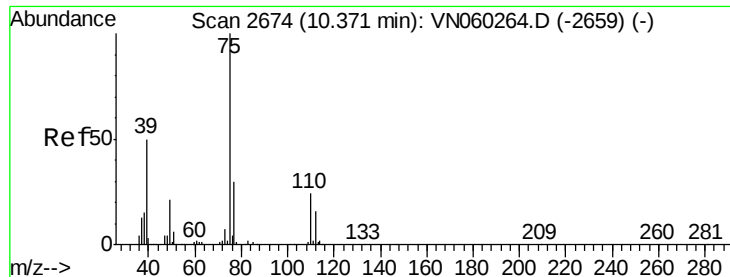
40000

20000

0

Time-->





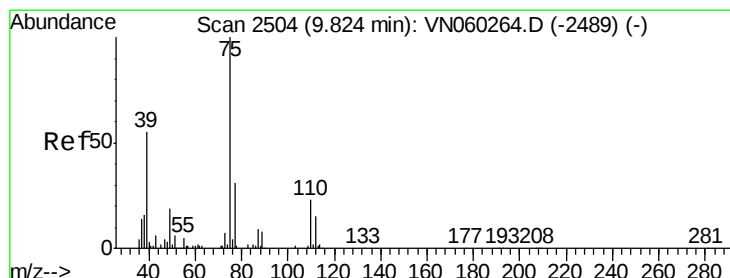
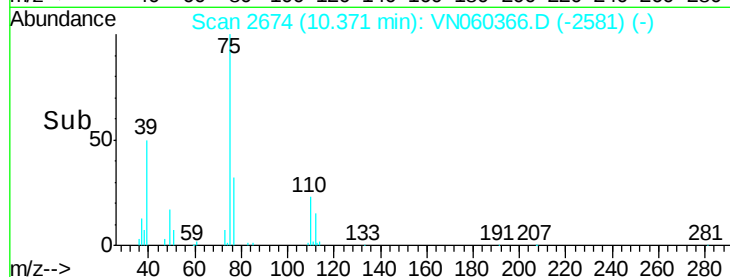
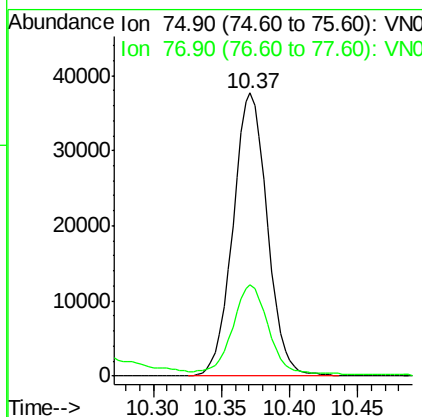
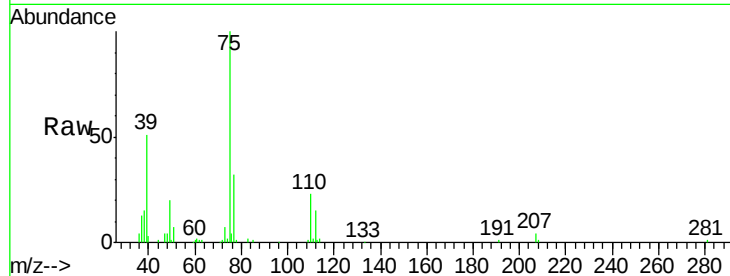
#53
t-1,3-Dichloropropene
Concen: 17.655 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Instrument :
MSVOA_N
ClientSampled :
VN0305WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.8	37.2

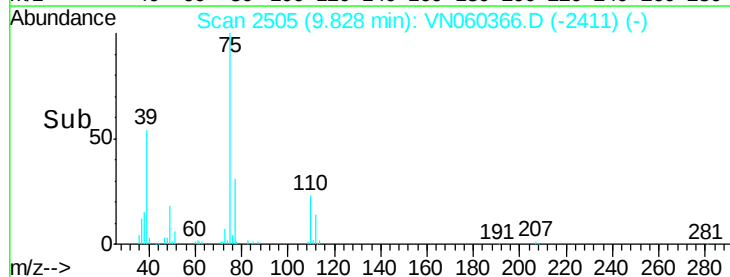
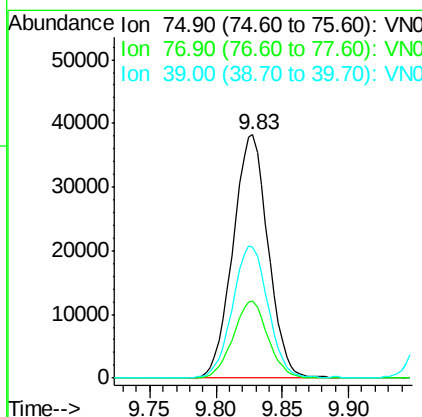
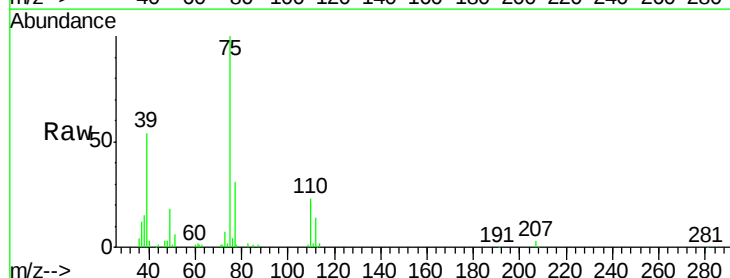
Manual Integrations
APPROVED

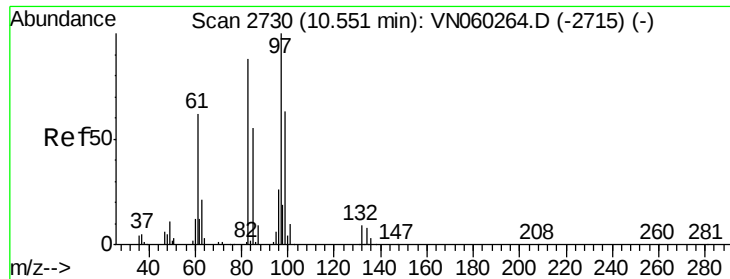
MMDadoda
3/6/2020 11:18:16 AM



#54
cis-1,3-Dichloropropene
Concen: 18.245 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.8	37.2
39	54.0	43.8	65.8





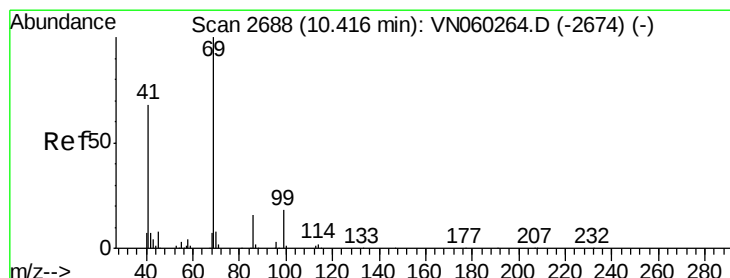
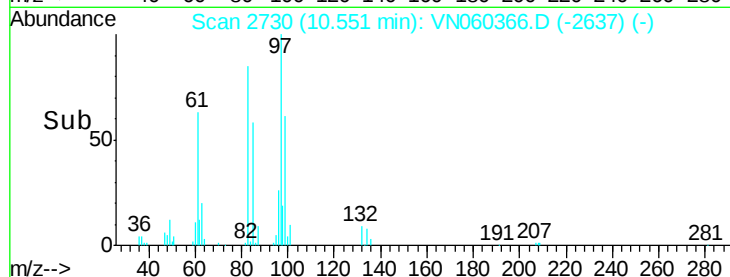
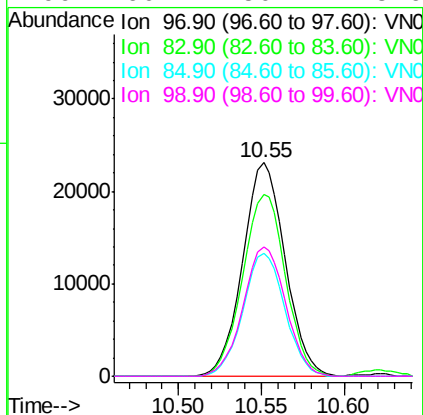
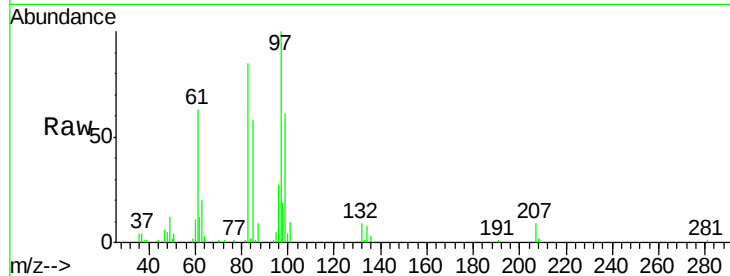
#55
 1,1,2-Trichloroethane
 Concen: 18.495 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060366.D
 Acq: 5 Mar 2020 14:58

Instrument :
 MSVOA_N
 ClientSampled :
 VN0305WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.4	70.0	105.0
85	57.5	44.0	66.0
99	60.7	50.4	75.6

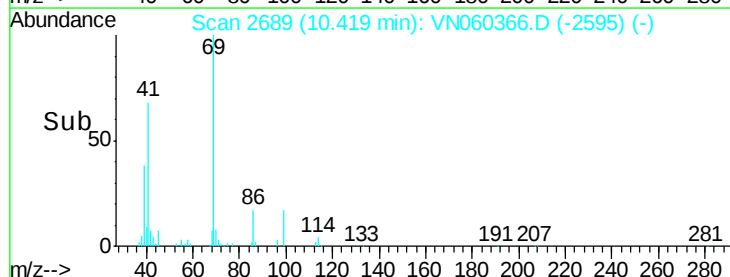
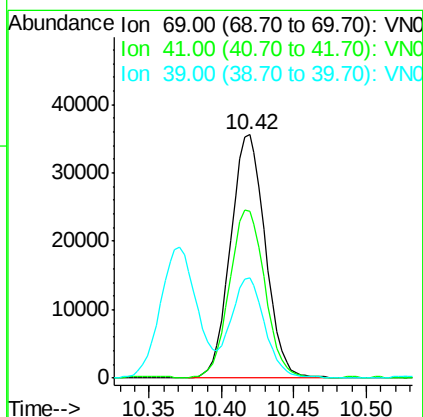
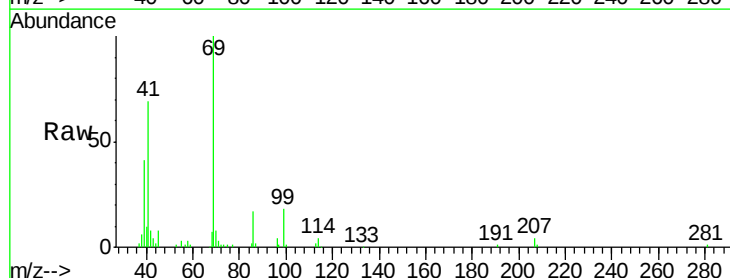
Manual Integrations
 APPROVED

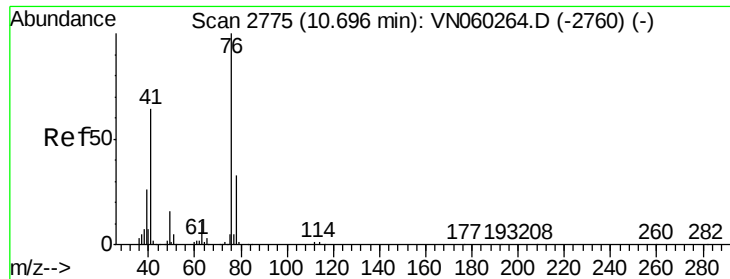
MMDadoda
 3/6/2020 11:18:16 AM



#56
 Ethyl methacrylate
 Concen: 18.530 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN060366.D
 Acq: 5 Mar 2020 14:58

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.7	54.1	81.1
39	40.3	32.5	48.7





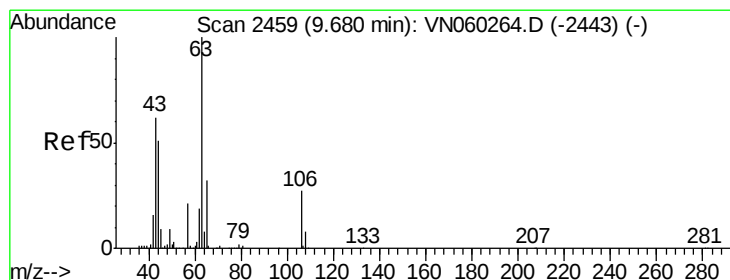
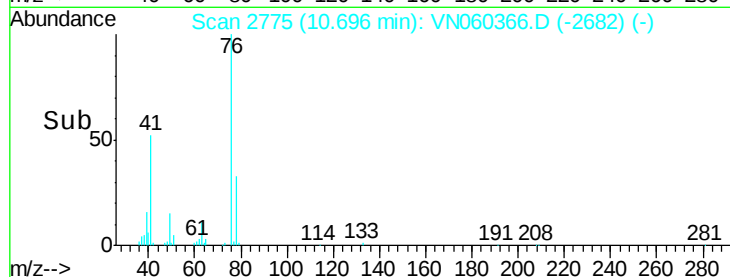
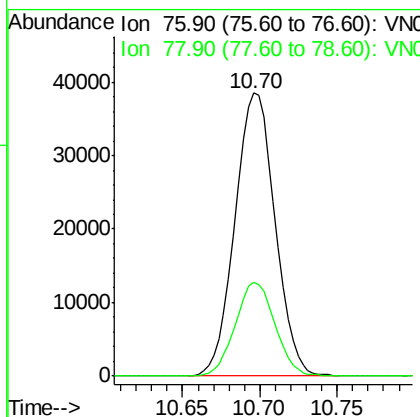
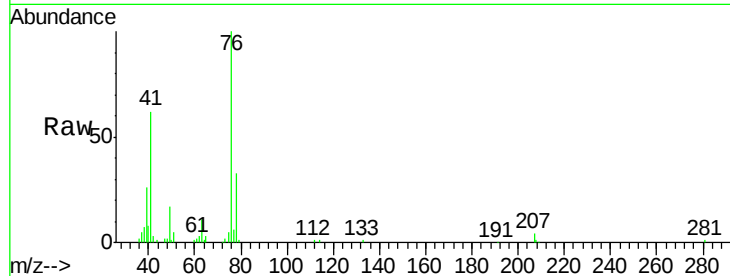
#57
 1,3-Dichloropropane
 Concen: 19.082 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060366.D
 Acq: 5 Mar 2020 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBSD01

Tot Ion: 76 Resp: 69322
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.2 39.2

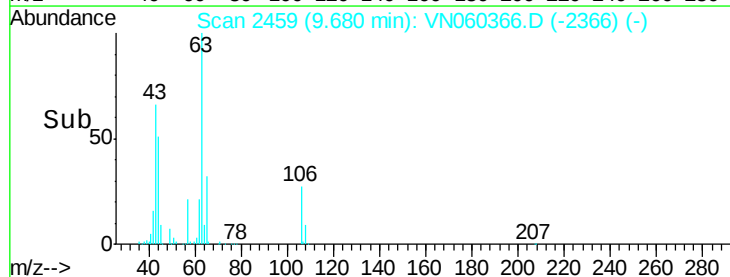
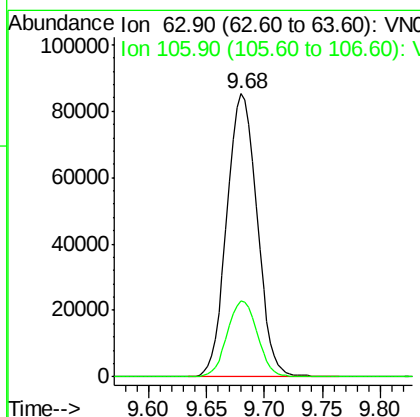
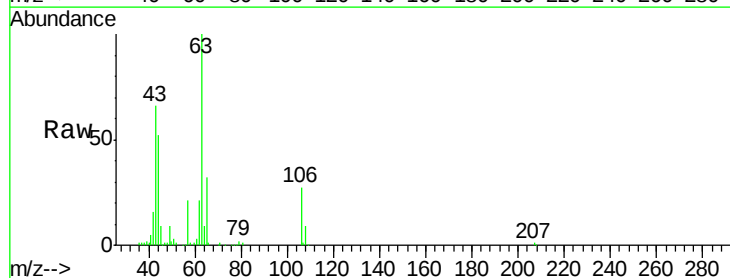
Manual Integrations
 APPROVED

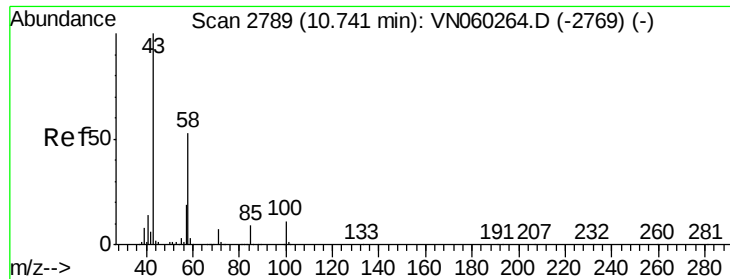
MMDadoda
 3/6/2020 11:18:16 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.220 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060366.D
 Acq: 5 Mar 2020 14:58

Tgt Ion: 63 Resp: 154354
 Ion Ratio Lower Upper
 63 100
 106 26.6 21.1 31.7





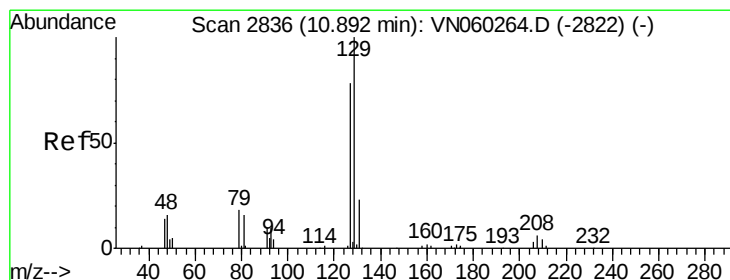
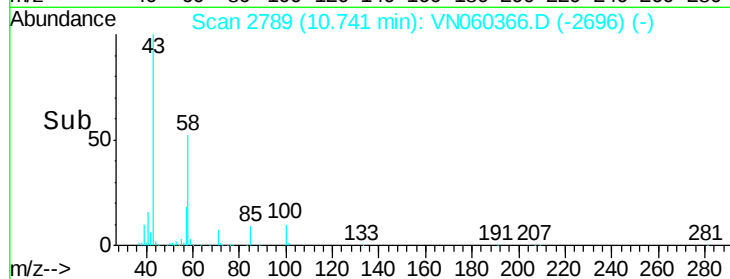
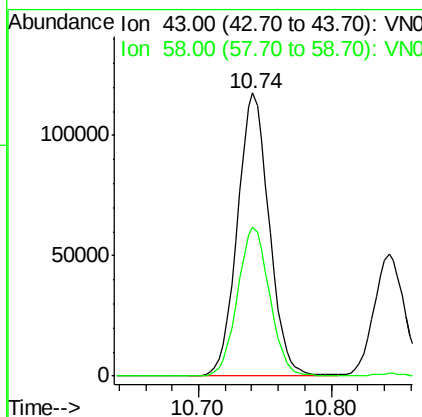
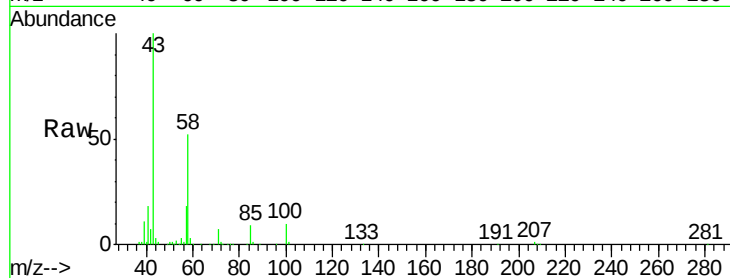
#59
2-Hexanone
Concen: 93.645 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Instrument :
MSVOA_N
ClientSampled :
VN0305WBSD01

Tot Ion: 43 Resp: 195787
Ion Ratio Lower Upper
43 100
58 53.0 26.5 79.5

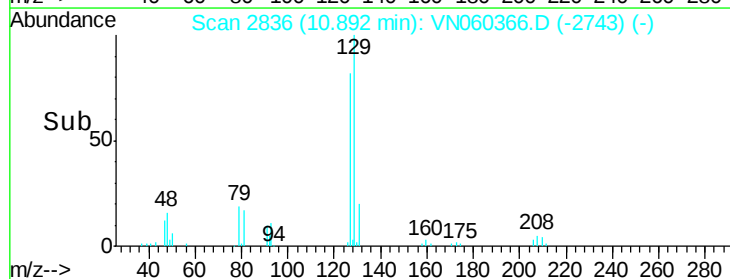
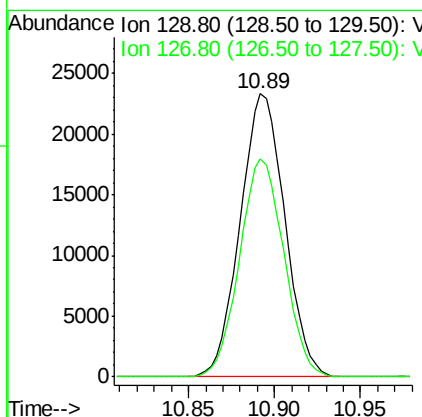
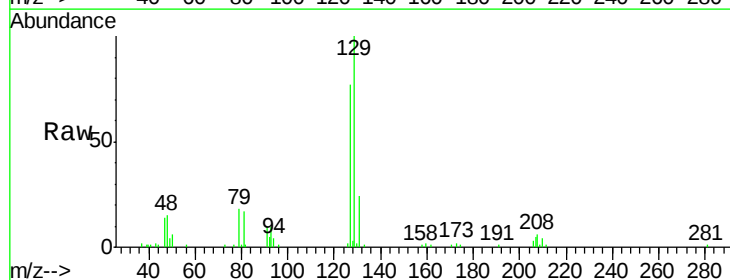
Manual Integrations
APPROVED

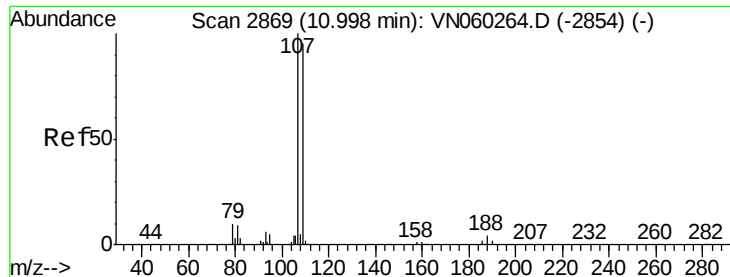
MMDadoda
3/6/2020 11:18:16 AM



#60
Dibromochloromethane
Concen: 18.520 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Tgt Ion: 129 Resp: 41954
Ion Ratio Lower Upper
129 100
127 76.4 38.9 116.7





#61

1,2-Dibromoethane

Concen: 18.041 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Instrument :

MSVOA_N

ClientSampled :

VN0305WBSD01

Tot Ion: 107 Resp: 39176

Ion Ratio Lower Upper

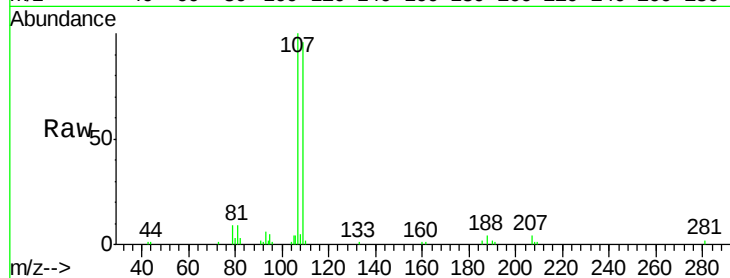
107 100

109 96.0 76.8 115.2

Manual Integrations
APPROVED

MMDadoda

3/6/2020 11:18:16 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

25000

20000

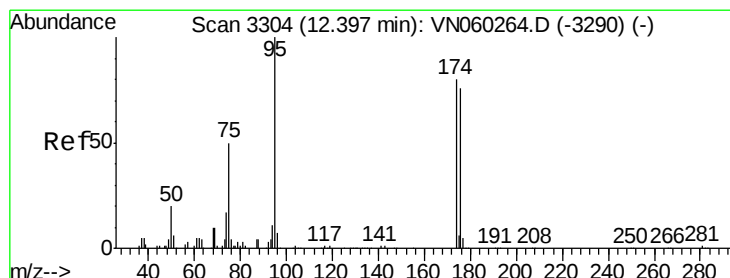
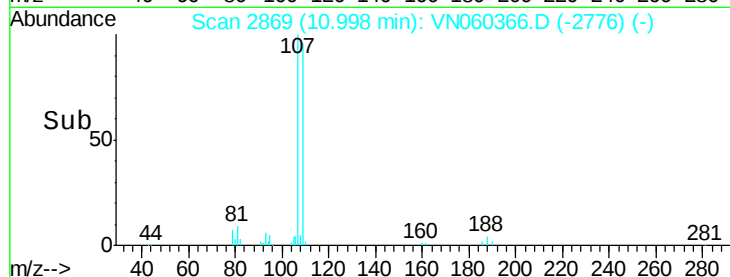
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.062 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

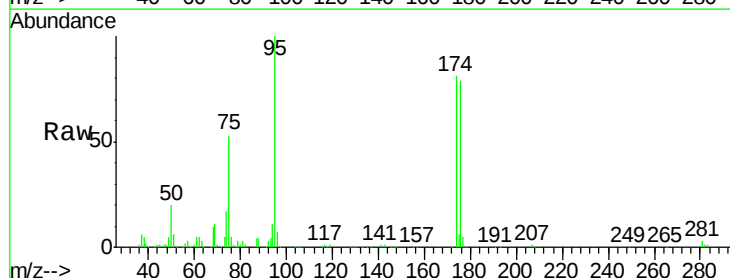
Tgt Ion: 95 Resp: 133230

Ion Ratio Lower Upper

95 100

174 80.3 0.0 159.2

176 77.2 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

100000

80000

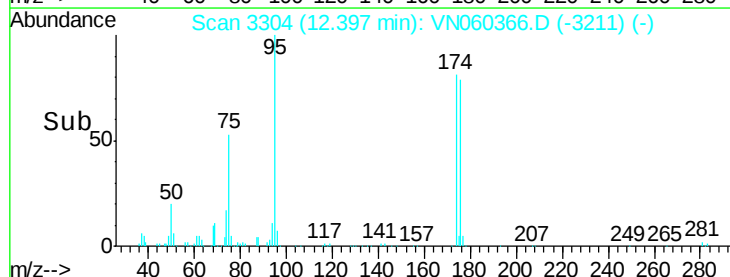
60000

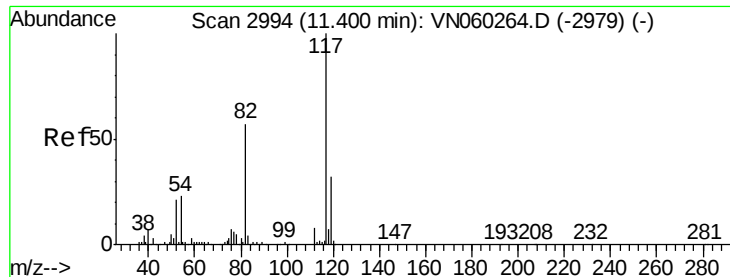
40000

20000

0

Time-->





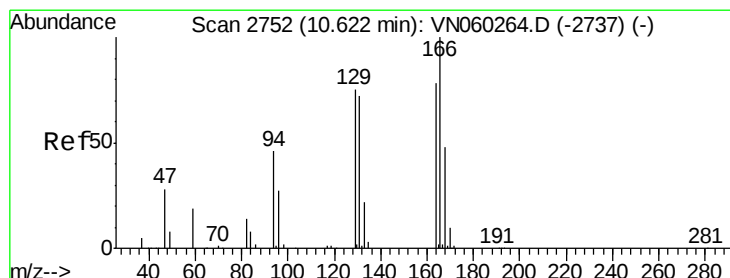
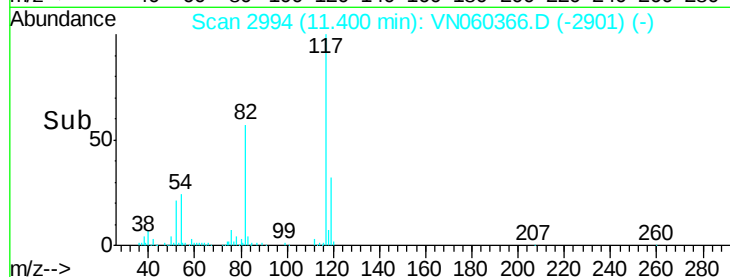
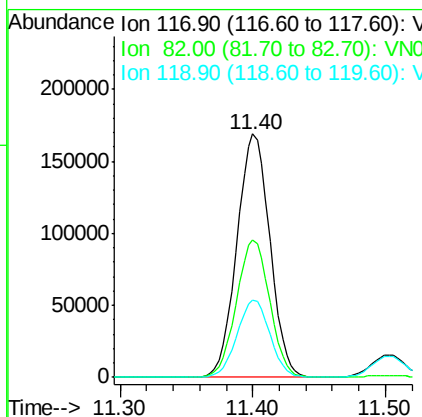
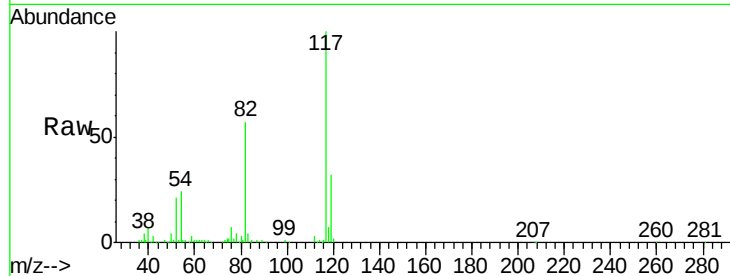
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	292726		
82	56.7		45.8	68.6
119	31.8		25.8	38.8

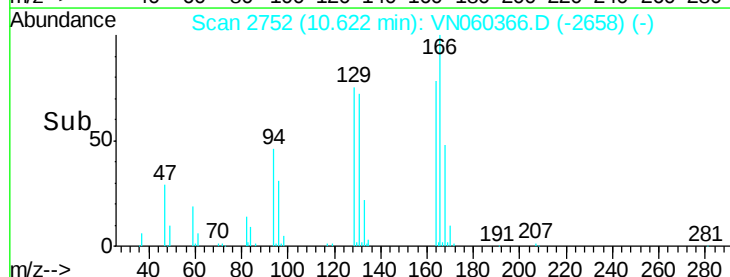
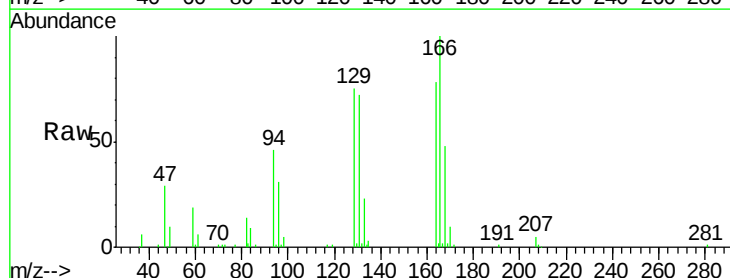
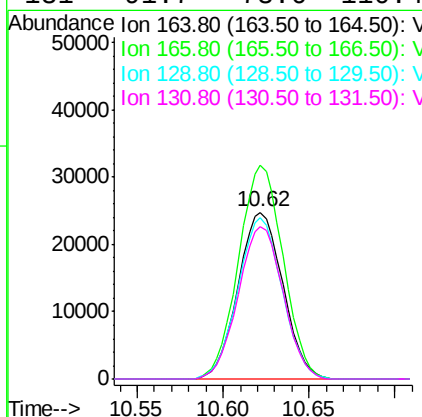
Manual Integrations
APPROVED

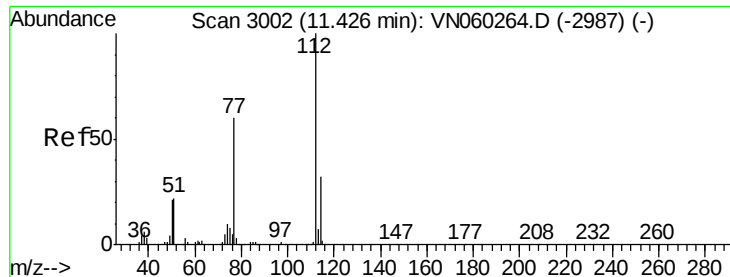
MMDadoda
3/6/2020 11:18:16 AM



#64
Tetrachloroethene
Concen: 18.530 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	44760		
166	128.2		102.0	153.0
129	96.5		76.4	114.6
131	91.7		73.6	110.4





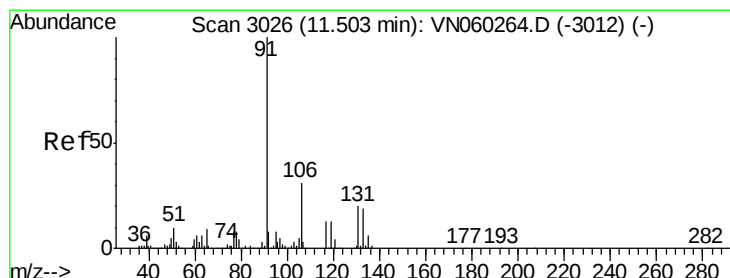
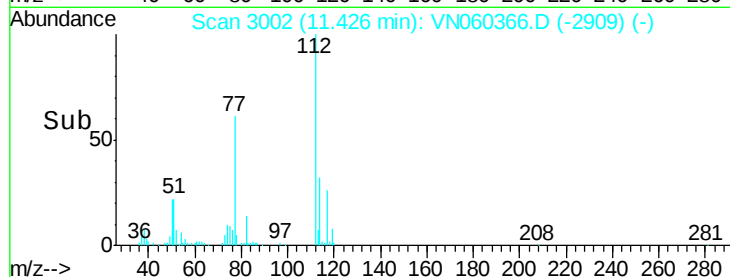
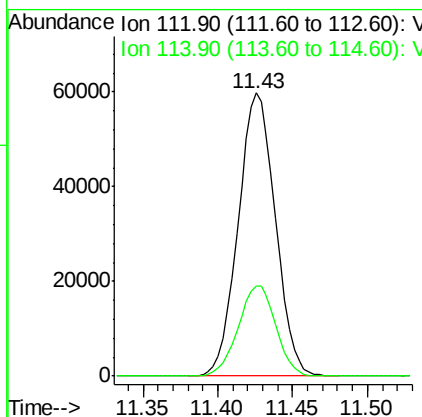
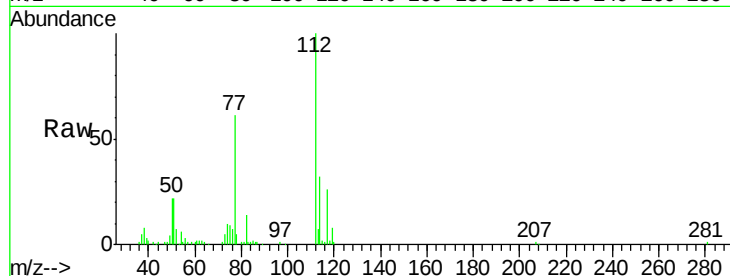
#65
Chlorobenzene
Concen: 17.460 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBSD01

Tot Ion:112 Resp: 103203
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.0

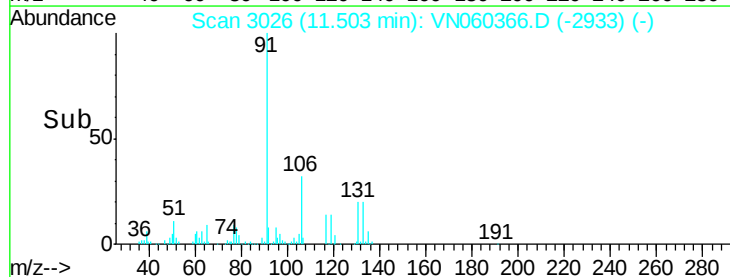
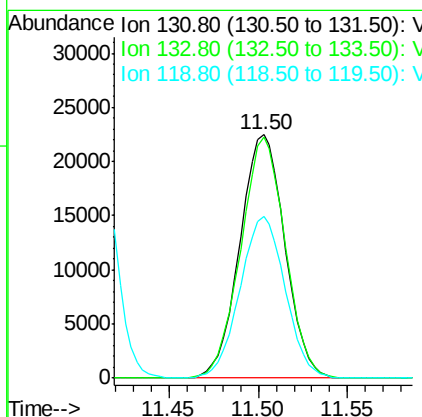
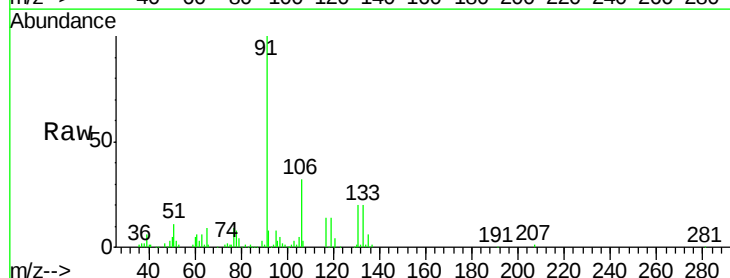
Manual Integrations
APPROVED

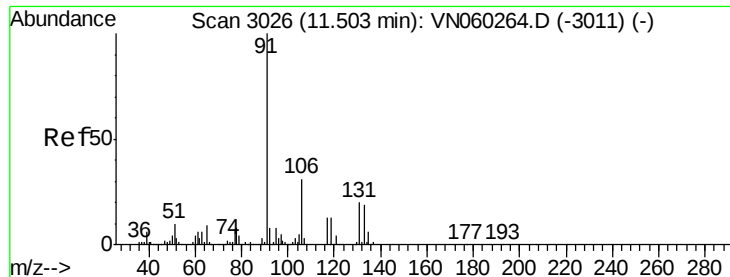
MMDadoda
3/6/2020 11:18:16 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.136 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Tgt Ion:131 Resp: 39636
Ion Ratio Lower Upper
131 100
133 98.0 47.7 143.1
119 66.8 33.2 99.6





#67

Ethyl Benzene

Concen: 17.625 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Instrument :

MSVOA_N

ClientSampled :

VN0305WBSD01

Tot Ion: 91 Resp: 189718

Ion Ratio Lower Upper

91 100

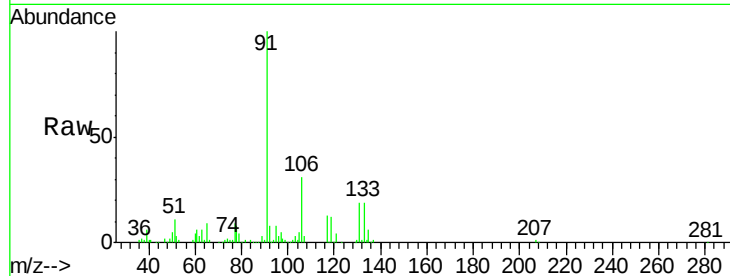
106 31.3 24.7 37.1

Manual Integrations

APPROVED

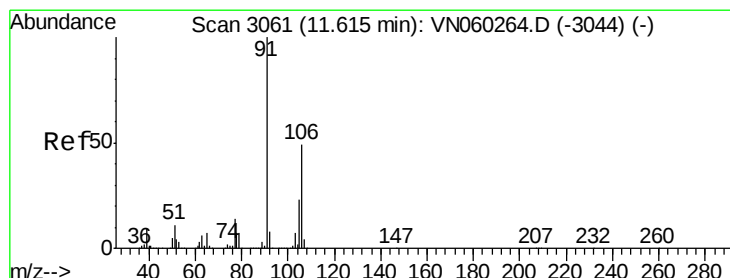
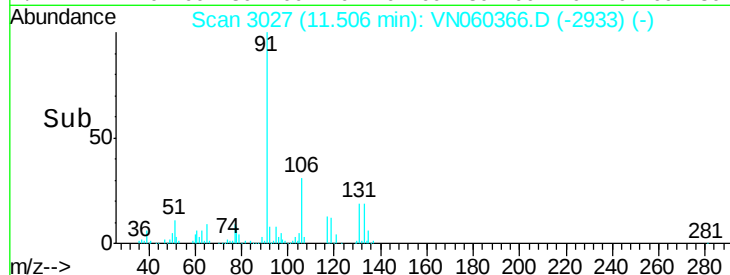
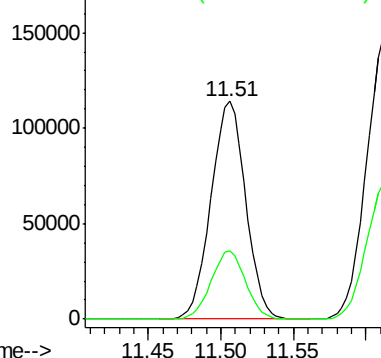
MMDadoda

3/6/2020 11:18:16 AM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 34.909 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060366.D

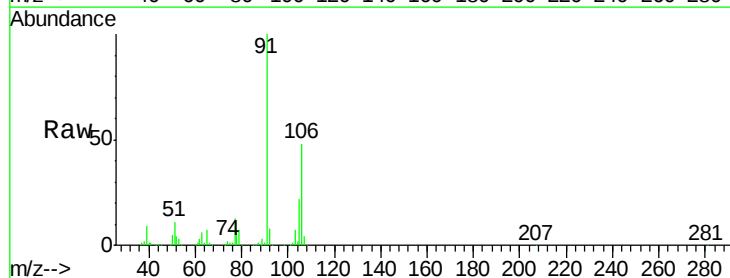
Acq: 5 Mar 2020 14:58

Tgt Ion: 106 Resp: 141773

Ion Ratio Lower Upper

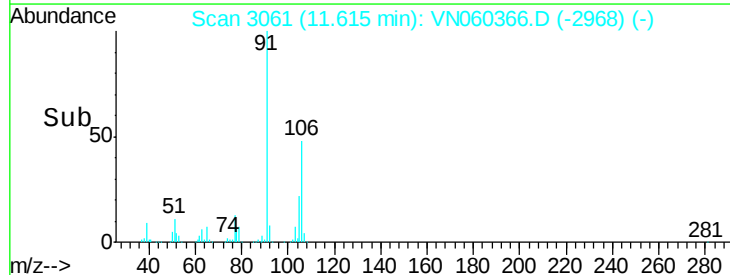
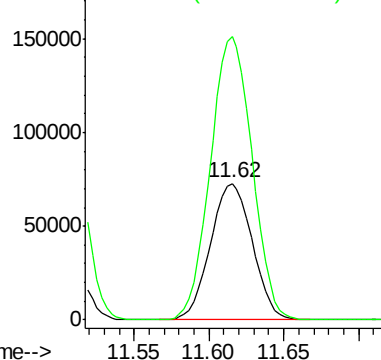
106 100

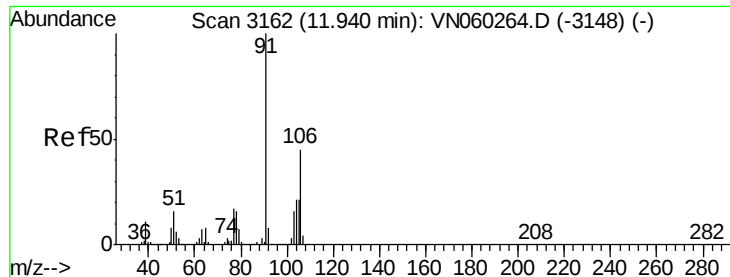
91 206.6 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





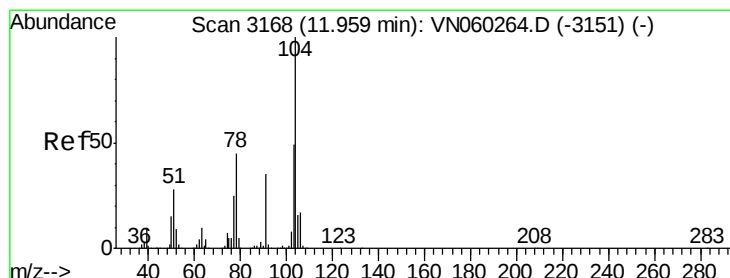
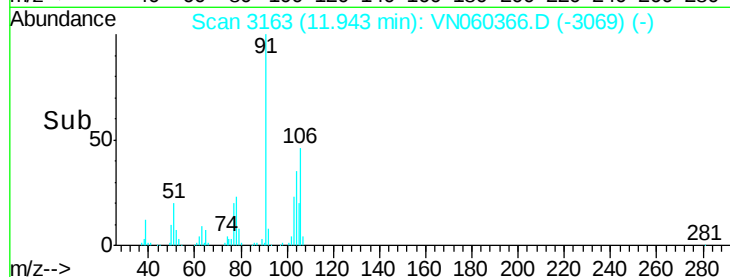
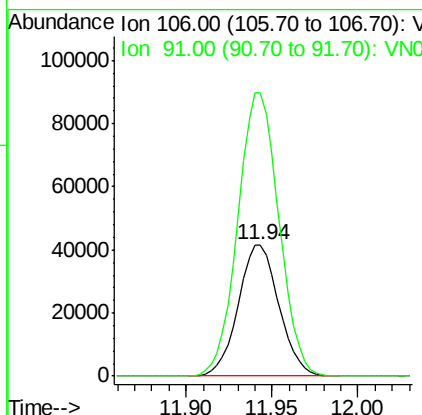
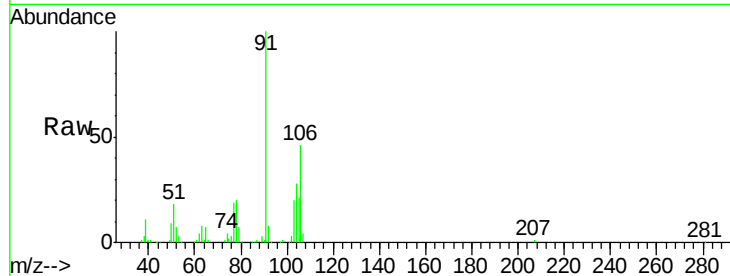
#69
o-Xylene
Concen: 17.670 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Instrument :
MSVOA_N
ClientSampled :
VN0305WBSD01

Tot Ion:106 Resp: 68433
Ion Ratio Lower Upper
106 100
91 218.3 109.5 328.4

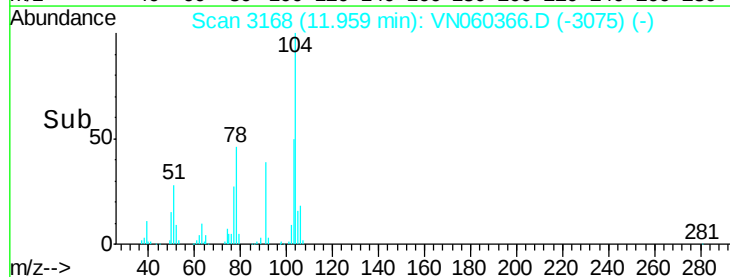
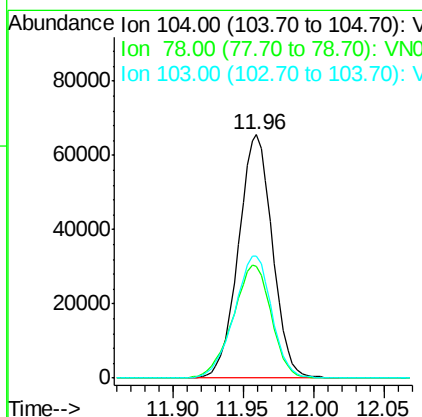
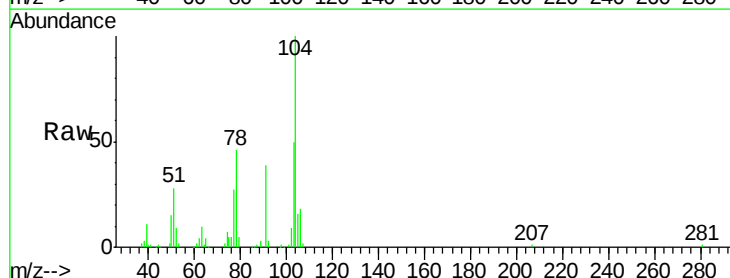
Manual Integrations
APPROVED

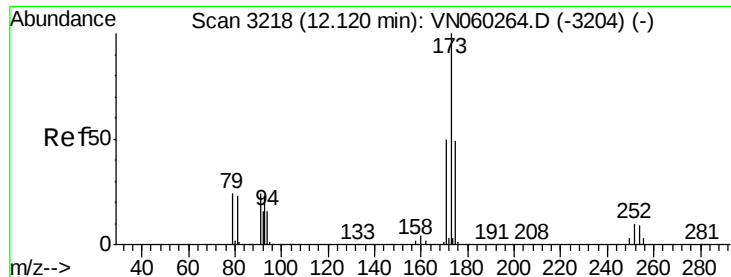
MMDadoda
3/6/2020 11:18:16 AM



#70
Styrene
Concen: 17.372 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Tgt Ion:104 Resp: 110612
Ion Ratio Lower Upper
104 100
78 52.4 41.2 61.8
103 55.3 43.9 65.9





#71

Bromoform

Concen: 18.117 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Instrument :

MSVOA_N

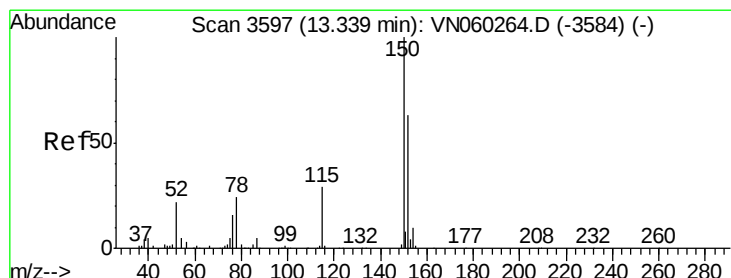
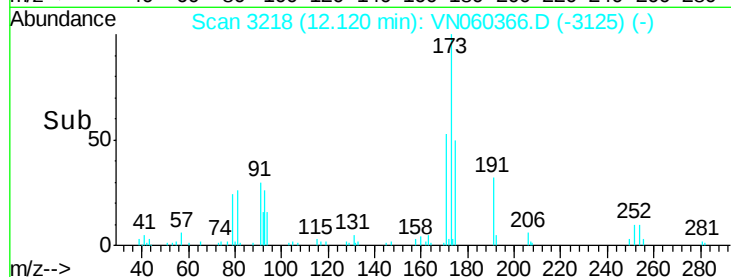
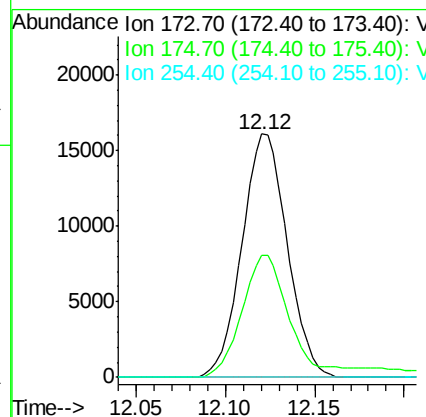
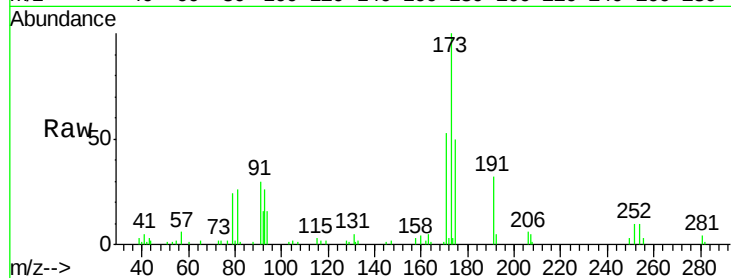
ClientSampleId :

VN0305WBSD01

Tot Ion:	173	Resp:	28537
Ion Ratio	Lower	Upper	
173	100		
175	52.6	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
3/6/2020 11:18:16 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

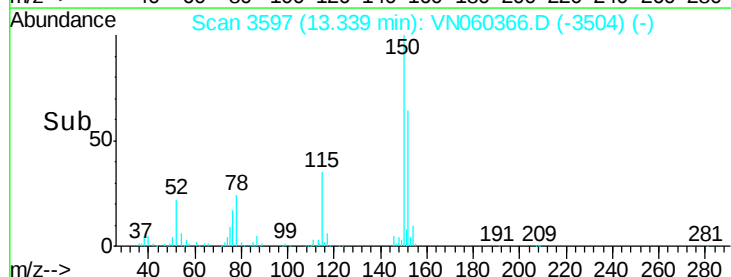
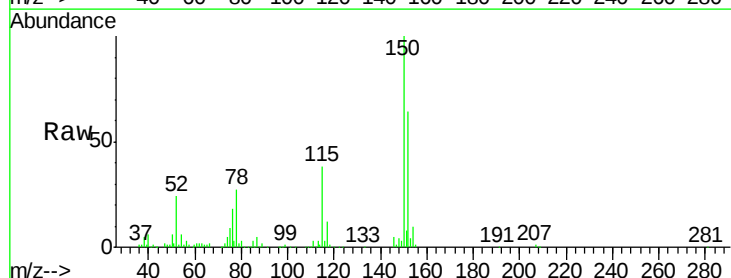
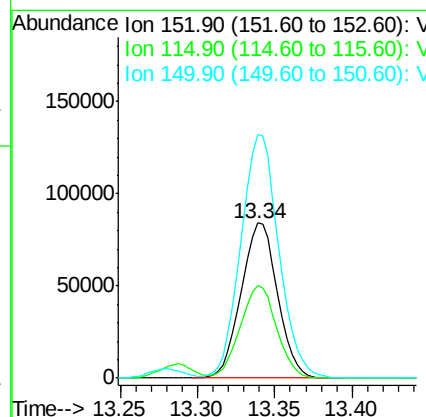
RT: 13.34 min Scan# 3597

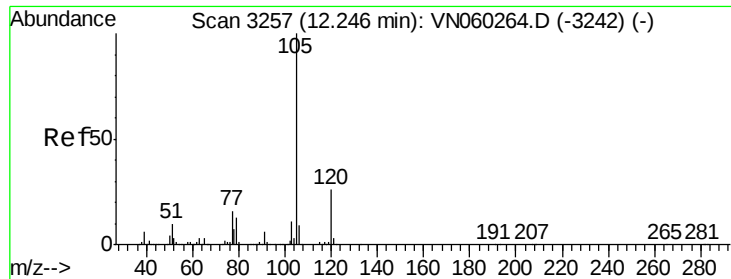
Delta R.T. -0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Tgt Ion:	152	Resp:	137773
Ion Ratio	Lower	Upper	
152	100		
115	59.5	30.0	90.0
150	163.7	0.0	349.6





#73

Isopropylbenzene

Concen: 18.302 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Instrument :

MSVOA_N

ClientSampled :

VN0305WBSD01

Tot Ion: 105 Resp: 186890

Ion Ratio Lower Upper

105 100

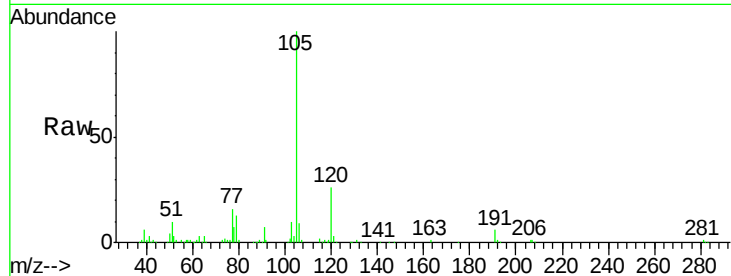
120 25.7 13.0 38.9

Manual Integrations

APPROVED

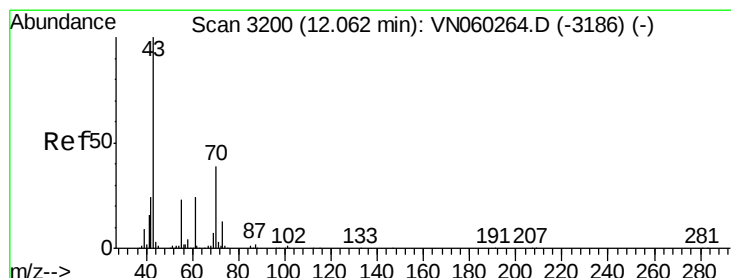
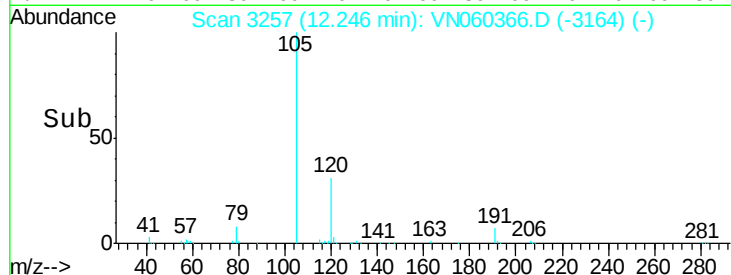
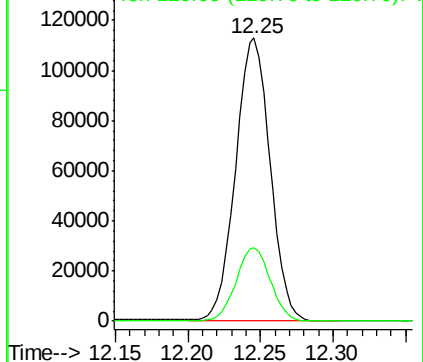
MMDadoda

3/6/2020 11:18:16 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.350 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Tgt Ion: 43 Resp: 81880

Ion Ratio Lower Upper

43 100

70 39.2 32.2 48.2

55 23.7 18.2 27.4

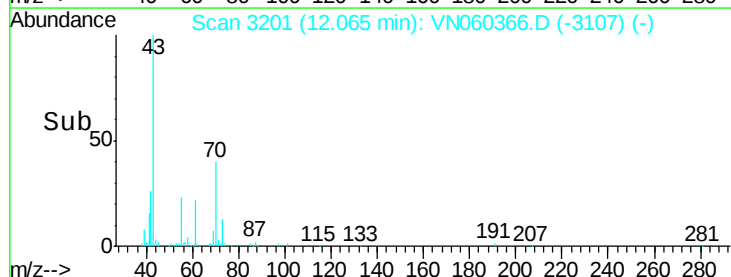
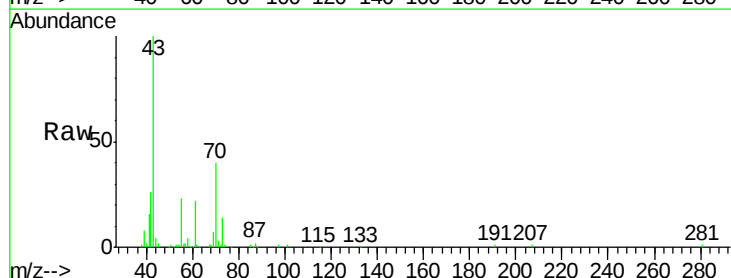
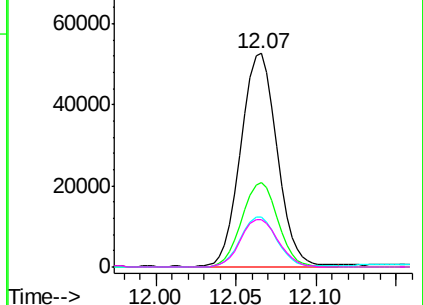
61 22.8 19.2 28.8

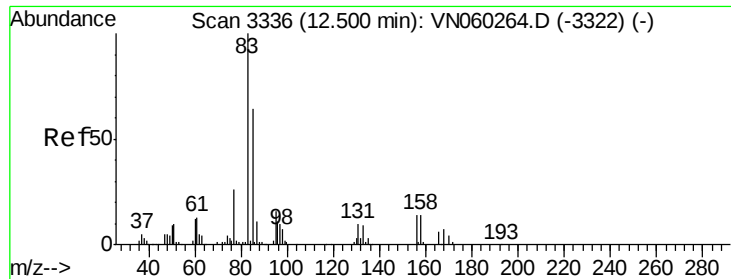
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.939 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Instrument :

MSVOA_N

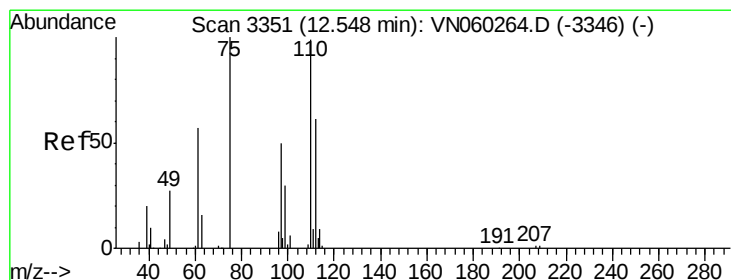
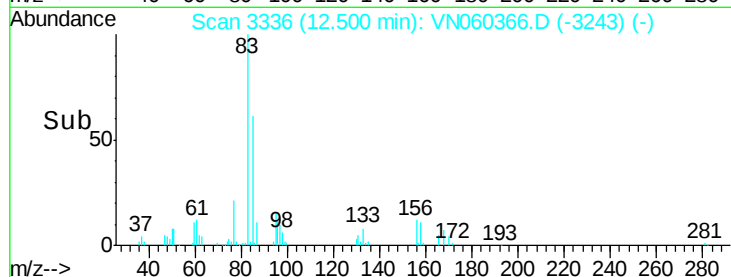
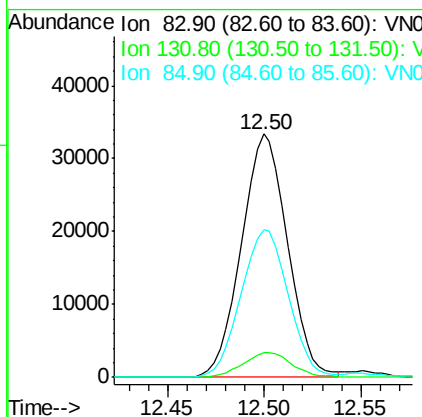
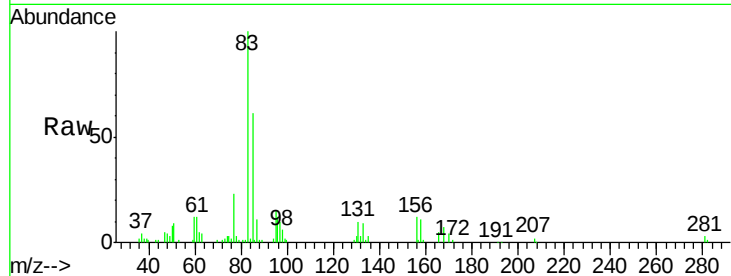
ClientSampleId :

VN0305WBSD01

Tot Ion:	83	Resp:	55346
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.1	15.3
85	62.3	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
3/6/2020 11:18:16 AM



#76

1,2,3-Trichloropropane

Concen: 16.247 ug/l m

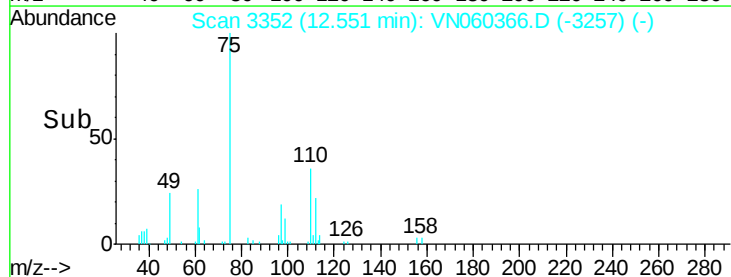
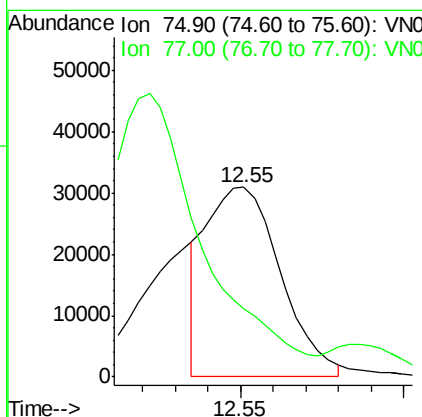
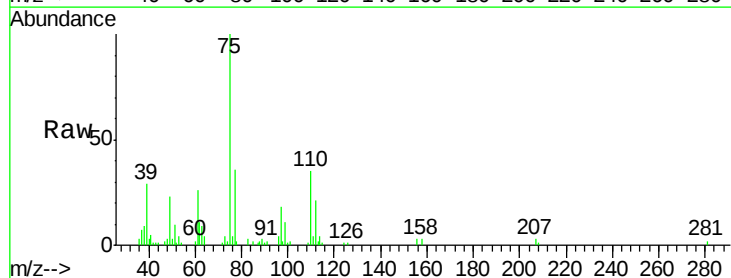
RT: 12.55 min Scan# 3352

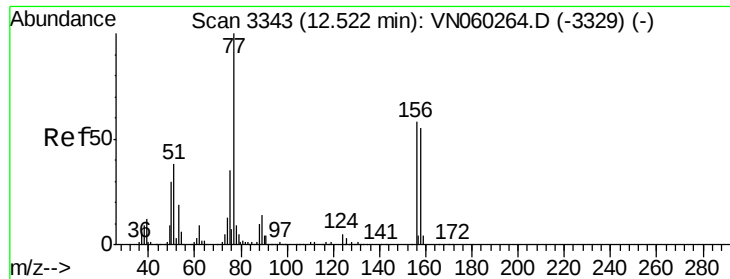
Delta R.T. 0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Tgt Ion:	75	Resp:	49110
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.047 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Instrument :

MSVOA_N

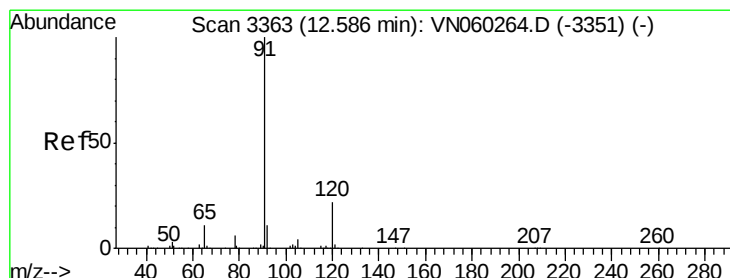
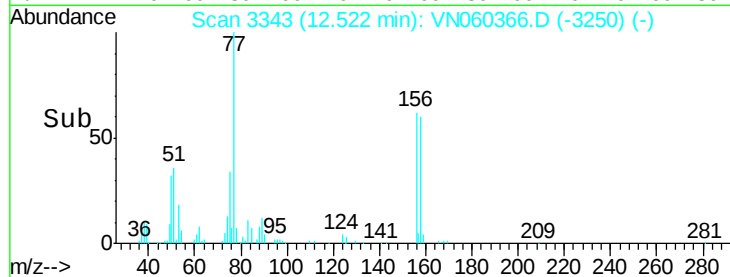
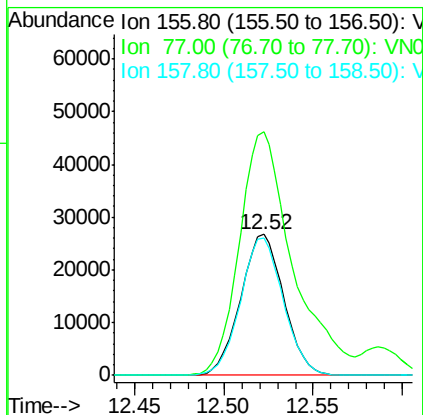
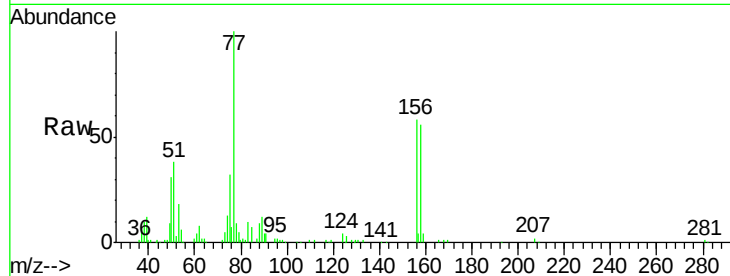
ClientSampleId :

VN0305WBSD01

Tot Ion:	156	Resp:	45175
Ion	Ratio	Lower	Upper
156	100		
77	214.4	106.1	318.3
158	97.1	48.3	144.8

Manual Integrations
APPROVED

MMDadoda
3/6/2020 11:18:16 AM



#78

n-propylbenzene

Concen: 17.850 ug/l

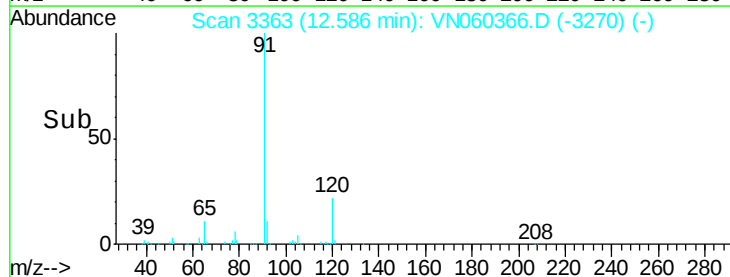
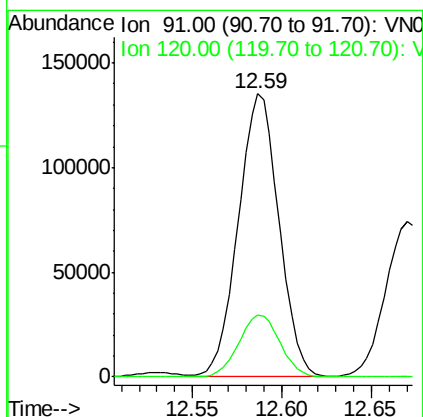
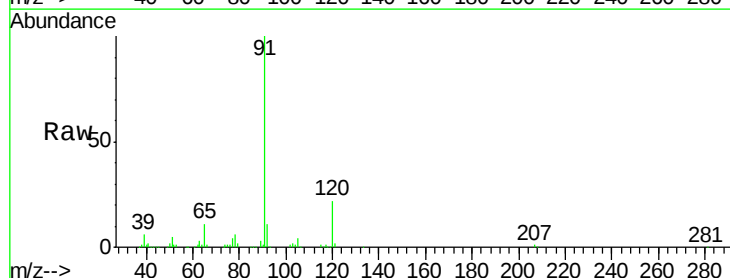
RT: 12.59 min Scan# 3363

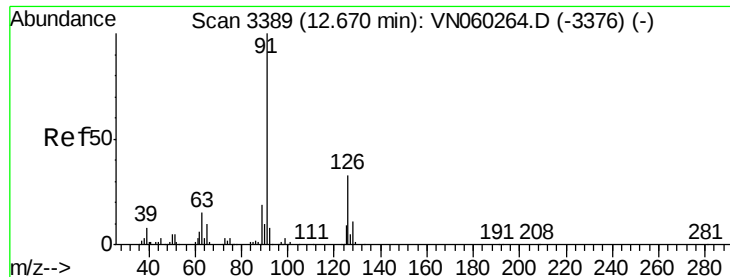
Delta R.T. -0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Tgt Ion:	91	Resp:	213657
Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.3	33.9





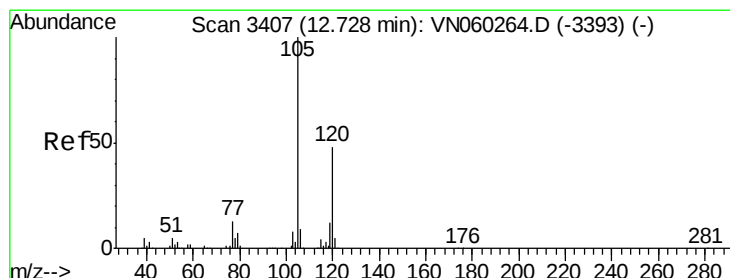
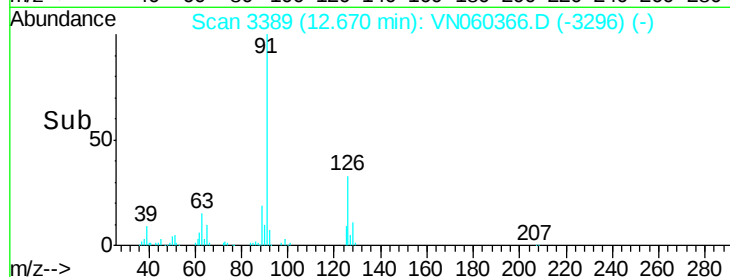
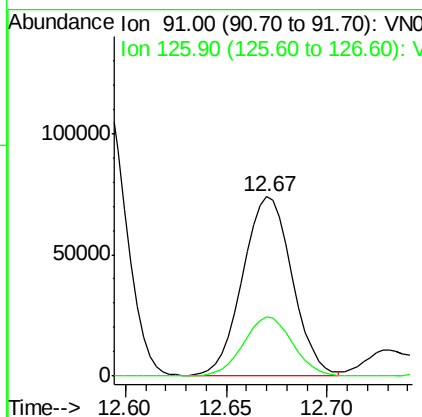
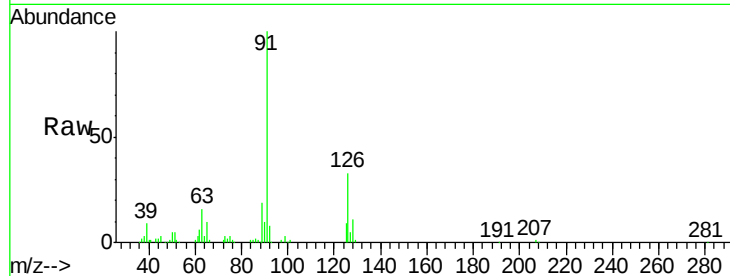
#79
2-Chlorotoluene
Concen: 17.956 ug/l
RT: 12.67 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Instrument :
MSVOA_N
ClientSampled :
VN0305WBSD01

Tot Ion: 91 Resp: 126342
Ion Ratio Lower Upper
91 100
126 32.9 16.6 49.8

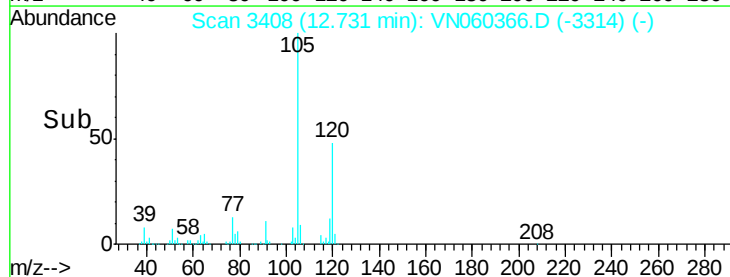
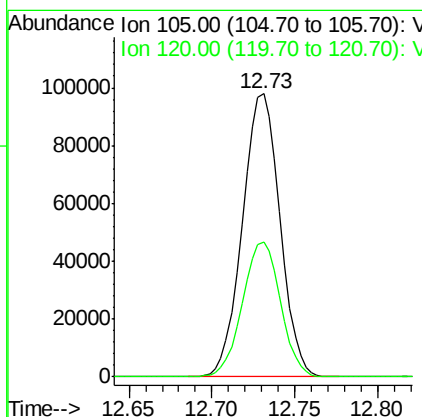
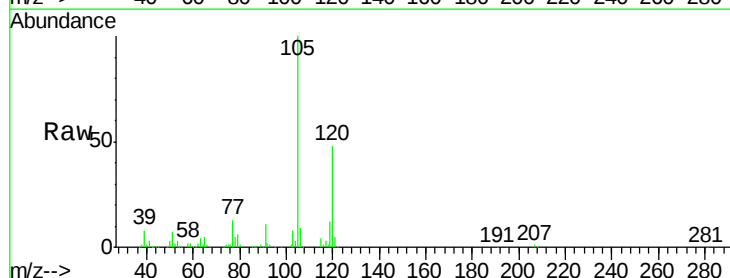
Manual Integrations
APPROVED

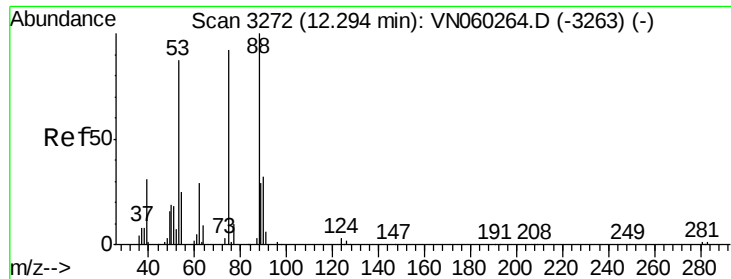
MMDadoda
3/6/2020 11:18:16 AM



#80
1,3,5-Trimethylbenzene
Concen: 17.944 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Tgt Ion: 105 Resp: 154276
Ion Ratio Lower Upper
105 100
120 48.3 24.1 72.4





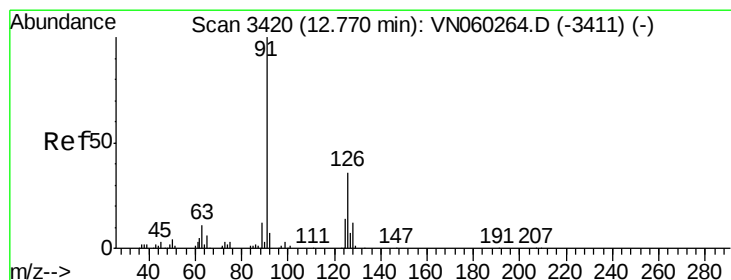
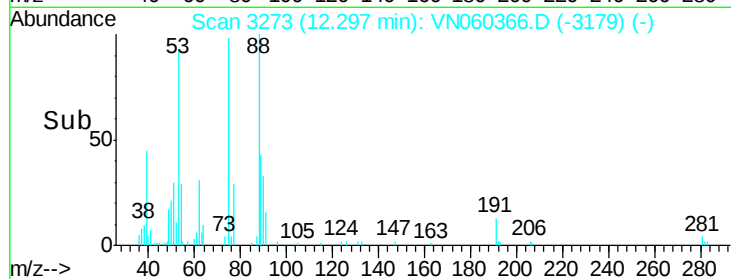
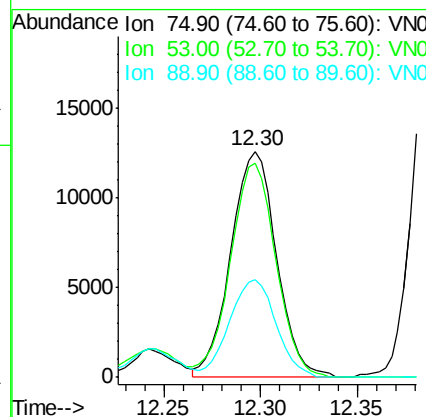
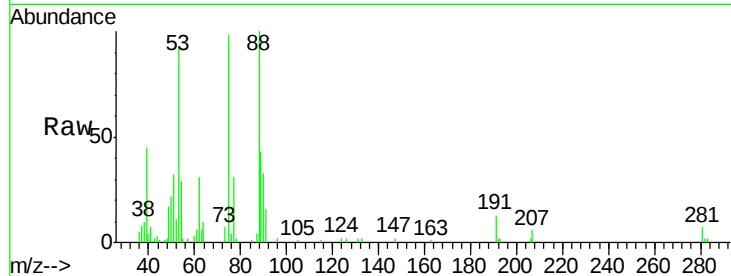
#81
trans-1,4-Dichloro-2-butene
Concen: 18.919 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Instrument :
MSVOA_N
ClientSampled :
VN0305WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.0	73.8	110.6
89	44.0	57.1	85.7#

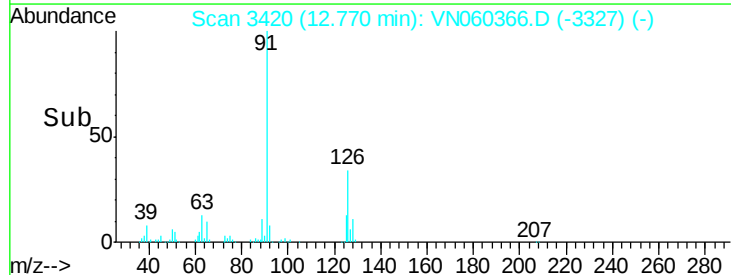
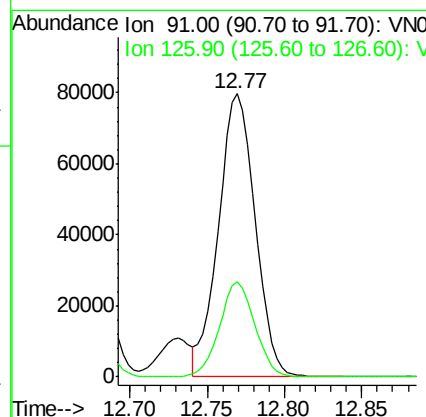
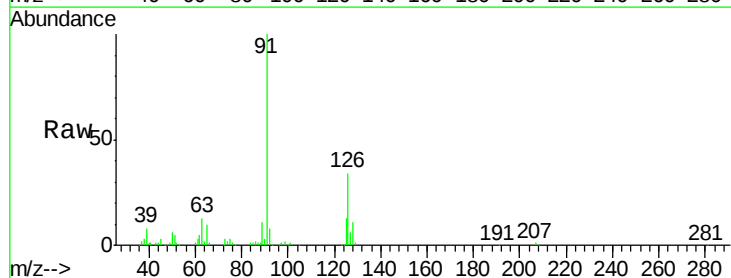
Manual Integrations
APPROVED

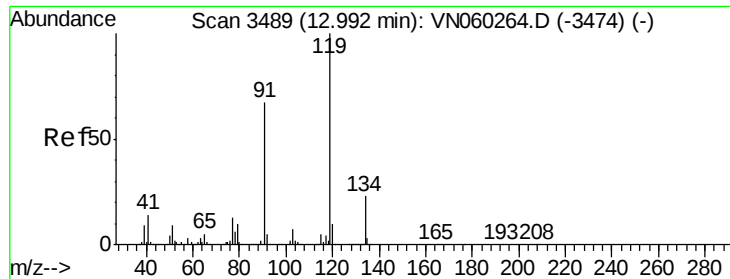
MMDadoda
3/6/2020 11:18:16 AM



#82
4-Chlorotoluene
Concen: 17.731 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.7	50.1





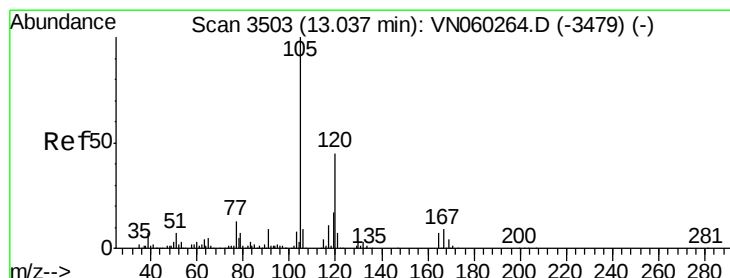
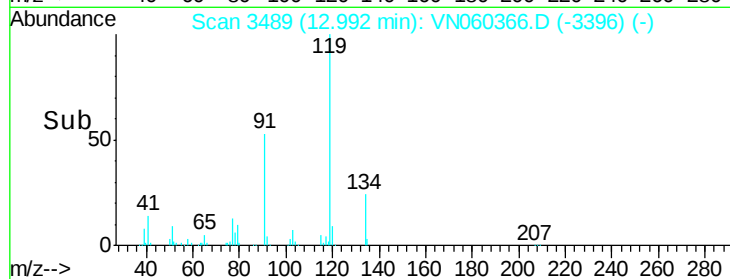
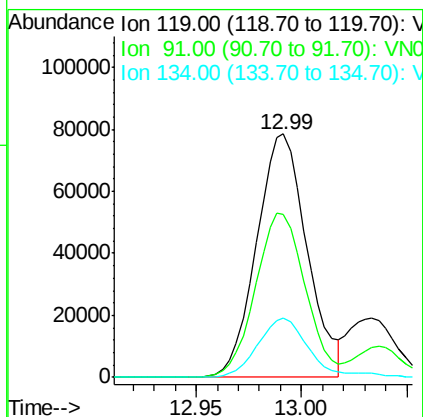
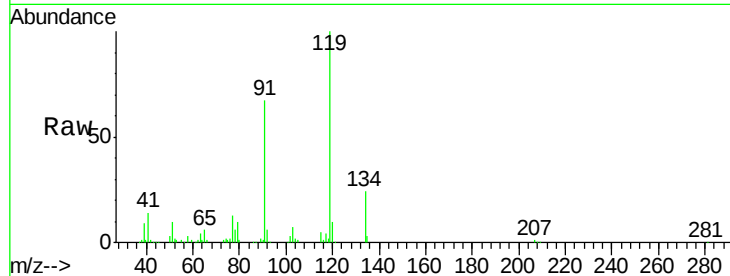
#83
tert-Butylbenzene
Concen: 17.541 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Instrument :
MSVOA_N
ClientSampled :
VN0305WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.6	33.1	99.2
134	24.9	12.4	37.0

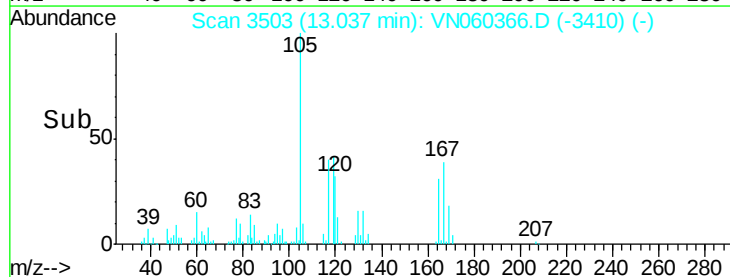
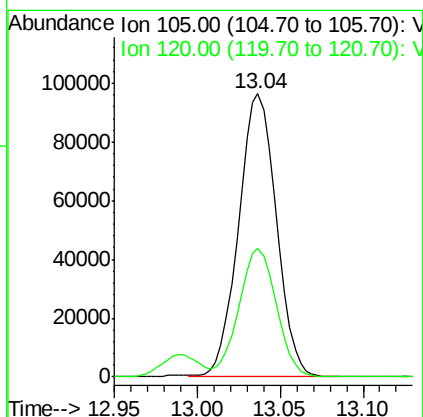
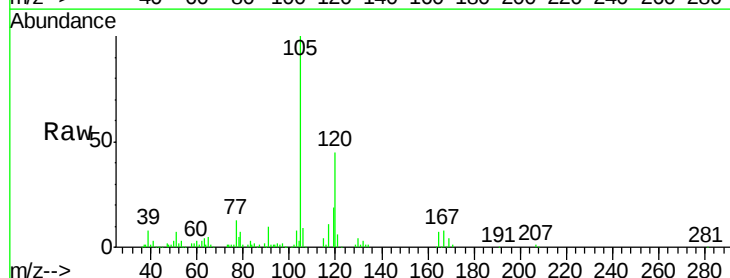
Manual Integrations
APPROVED

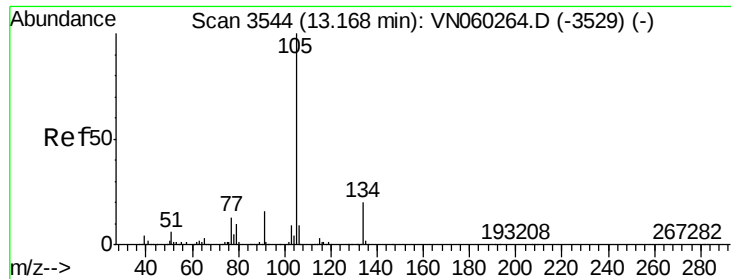
MMDadoda
3/6/2020 11:18:16 AM



#84
1,2,4-Trimethylbenzene
Concen: 17.589 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.3	66.9





#85

sec-Butylbenzene

Concen: 16.920 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Instrument :

MSVOA_N

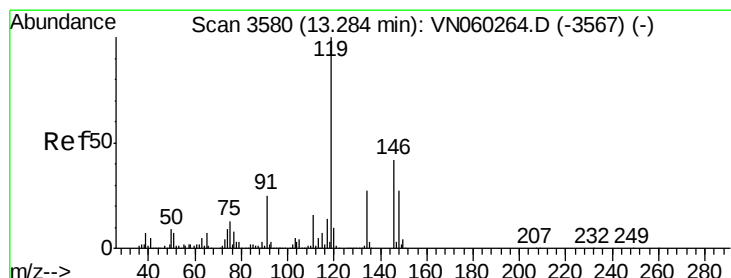
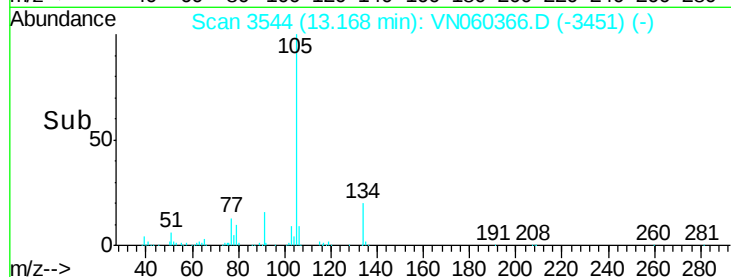
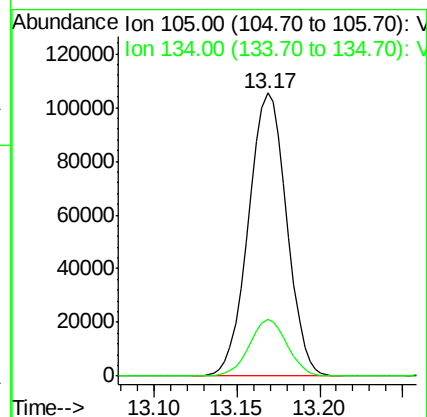
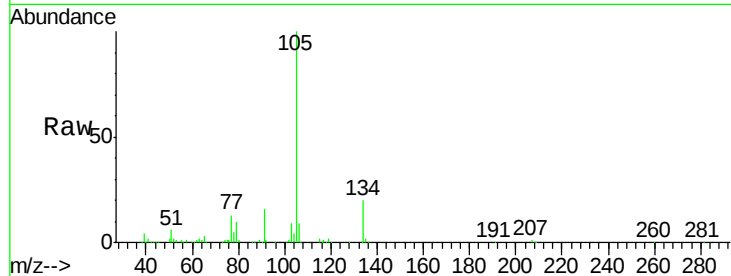
ClientSampleId :

VN0305WBSD01

Tot Ion:	105	Resp:	168665
Ion Ratio	Lower	Upper	
105	100		
134	19.8	9.8	29.5

Manual Integrations
APPROVED

MMDadoda
3/6/2020 11:18:16 AM



#86

p-Isopropyltoluene

Concen: 16.570 ug/l

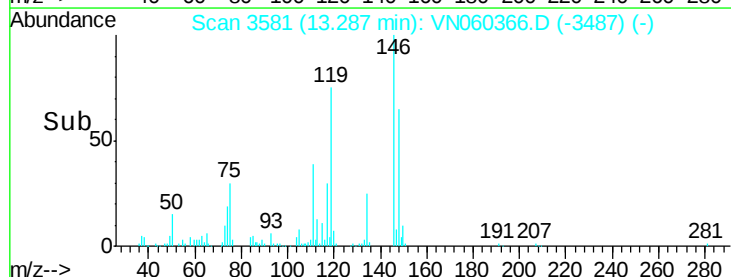
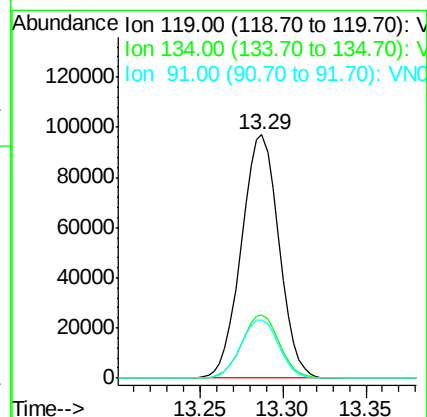
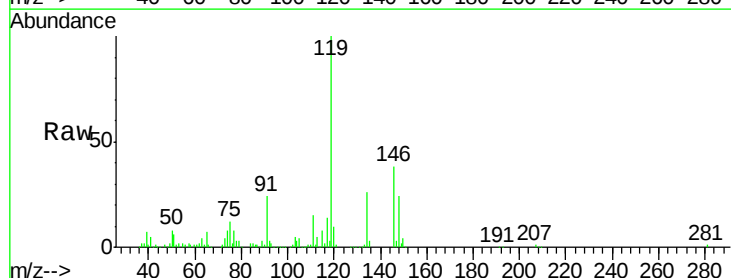
RT: 13.29 min Scan# 3581

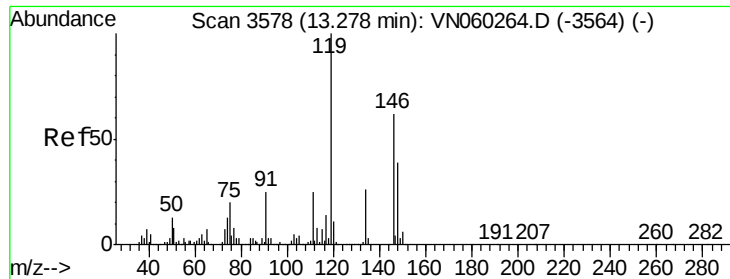
Delta R.T. 0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Tgt Ion:	119	Resp:	152878
Ion Ratio	Lower	Upper	
119	100		
134	25.9	13.2	39.6
91	24.3	12.2	36.6





#87

1,3-Dichlorobenzene

Concen: 18.375 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060366.D

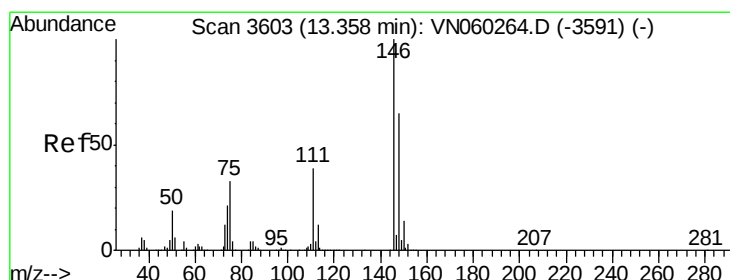
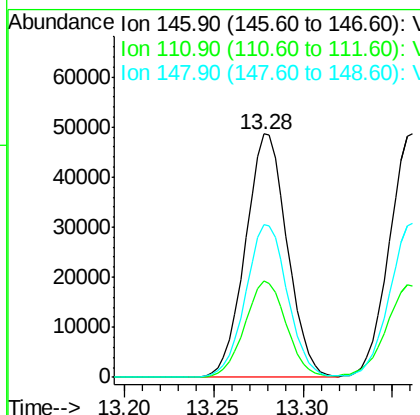
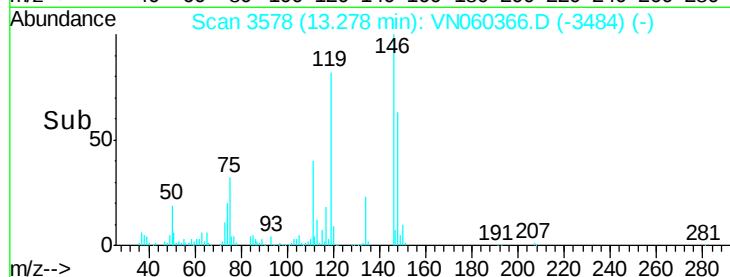
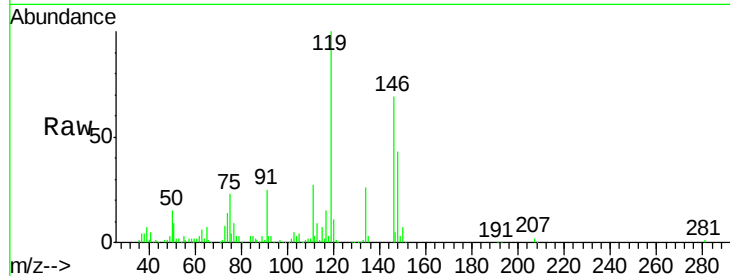
Acq: 5 Mar 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.0	59.9
148	62.8	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
3/6/2020 11:18:16 AM



#88

1,4-Dichlorobenzene

Concen: 18.250 ug/l

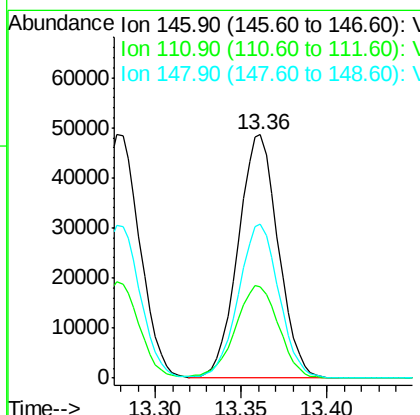
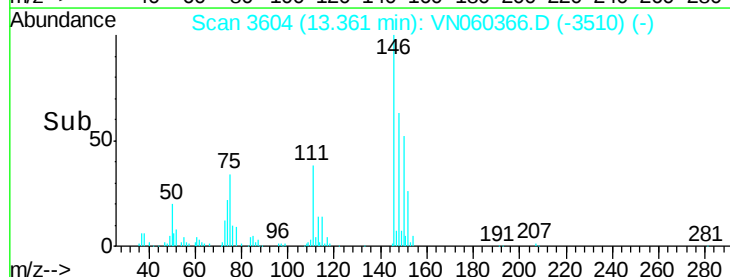
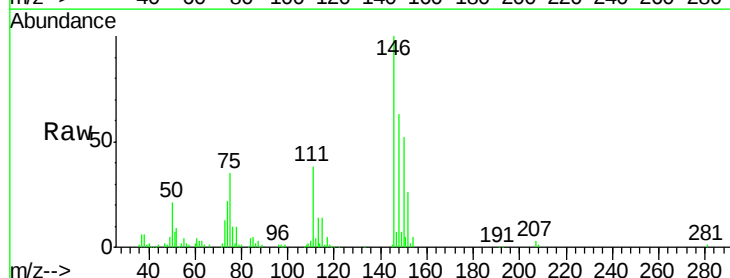
RT: 13.36 min Scan# 3604

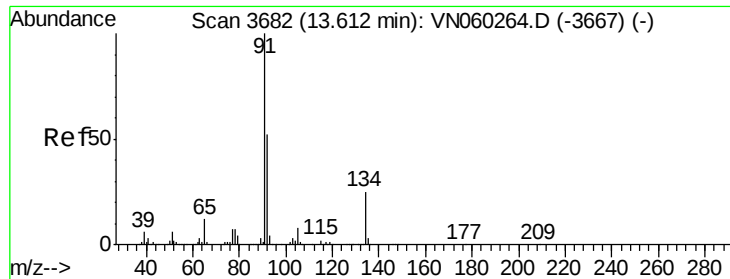
Delta R.T. 0.00 min

Lab File: VN060366.D

Acq: 5 Mar 2020 14:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.8	59.4
148	63.9	32.3	96.9





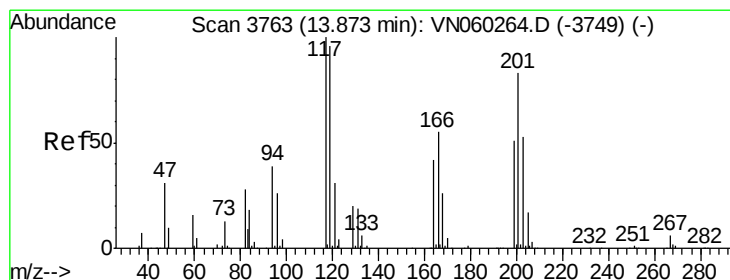
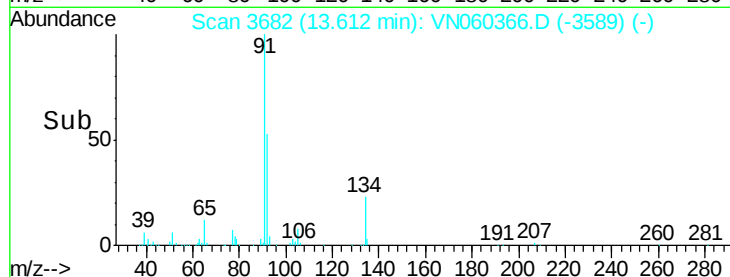
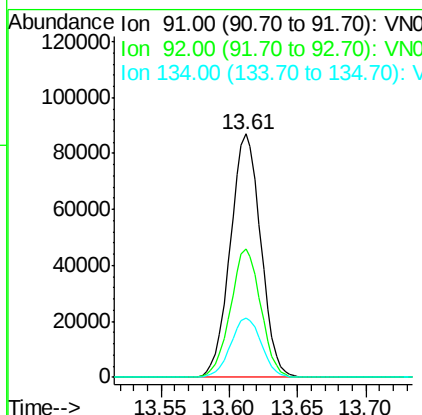
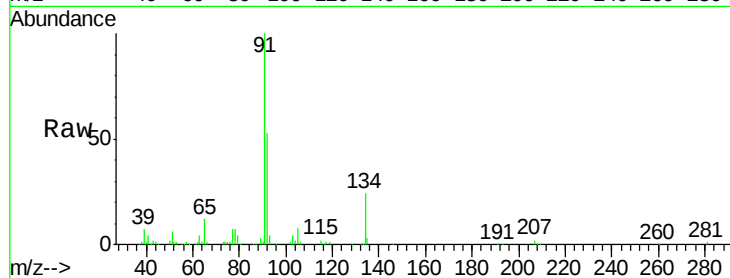
#89
n-Butylbenzene
Concen: 15.920 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.0	78.0
134	24.7	12.7	38.1

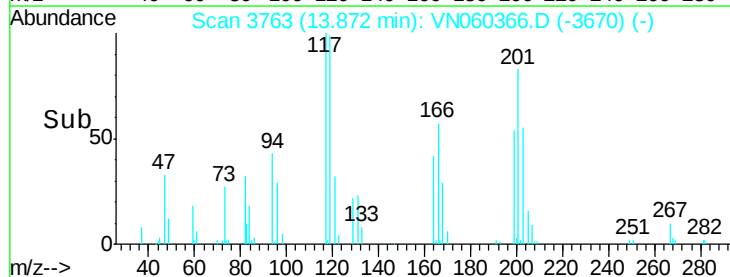
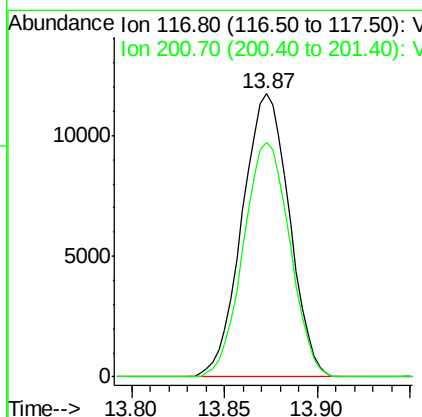
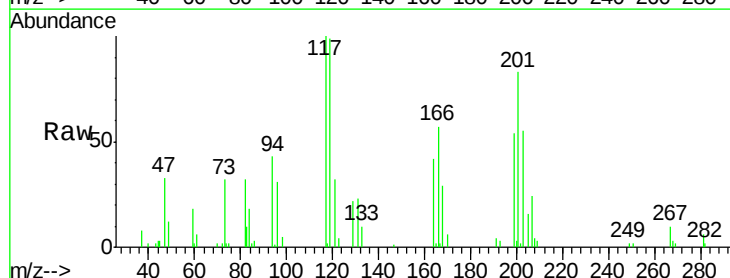
Manual Integrations
APPROVED

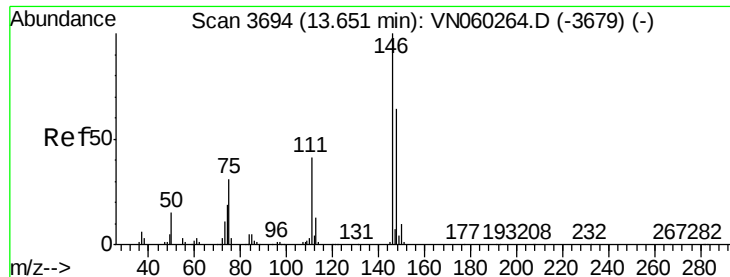
MMDadoda
3/6/2020 11:18:16 AM



#90
Hexachloroethane
Concen: 15.495 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.5	41.0	123.0





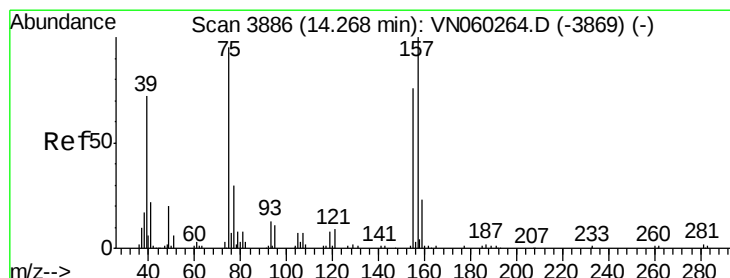
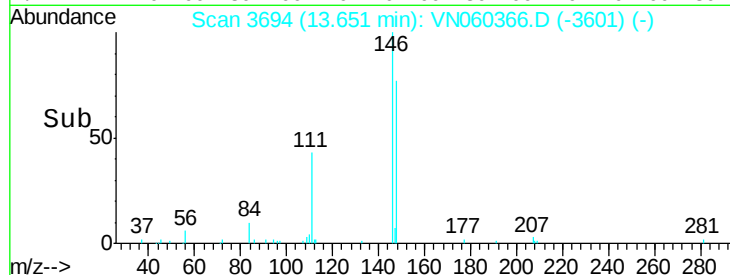
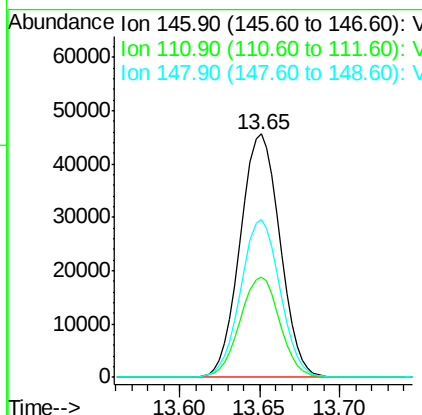
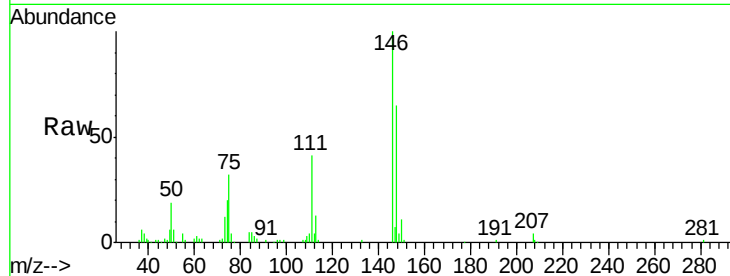
#91
 1,2-Dichlorobenzene
 Concen: 17.704 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN060366.D
 Acq: 5 Mar 2020 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.3	61.0
148	64.1	31.8	95.3

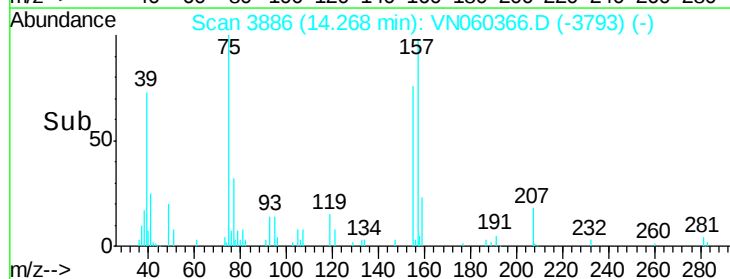
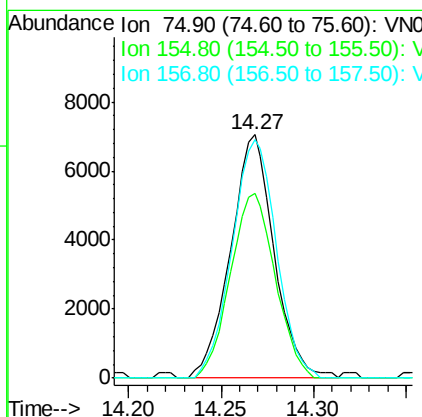
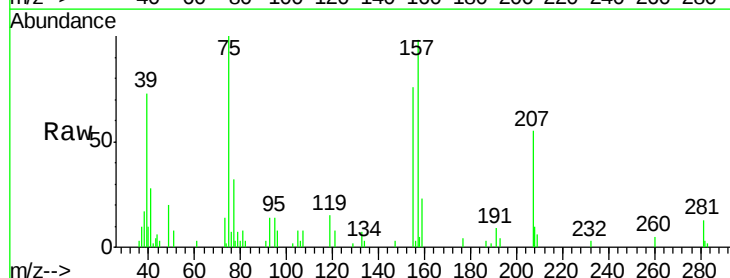
Manual Integrations
 APPROVED

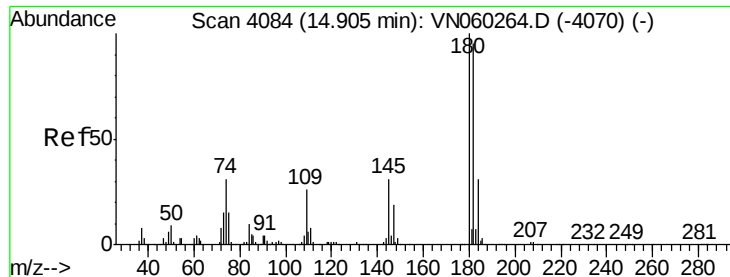
MMDadoda
 3/6/2020 11:18:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.246 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN060366.D
 Acq: 5 Mar 2020 14:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.1	40.4	121.2
157	100.1	52.5	157.5





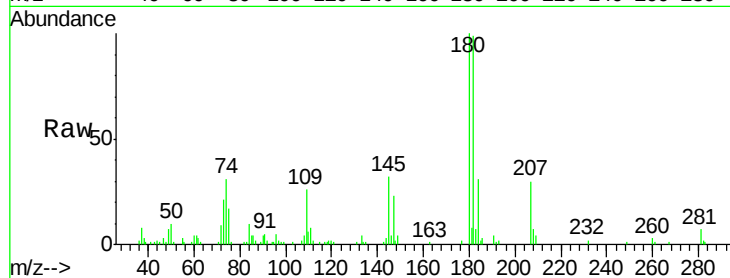
#93
 1,2,4-Trichlorobenzene
 Concen: 17.150 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060366.D
 Acq: 5 Mar 2020 14:58

Instrument :
 MSVOA_N
 ClientSampled :
 VN0305WBSD01

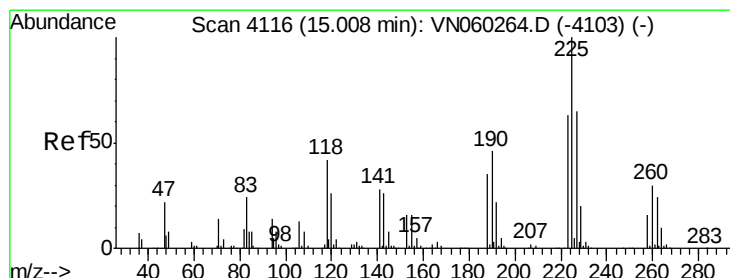
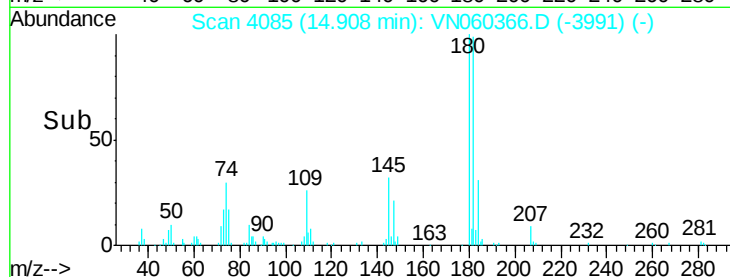
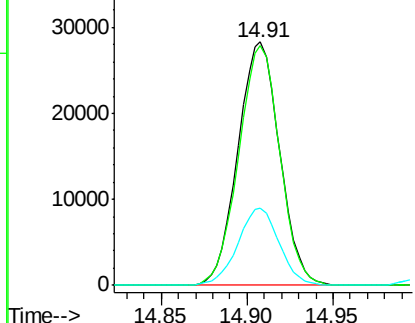
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.8	143.3
145	31.4	15.4	46.1

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:18:16 AM

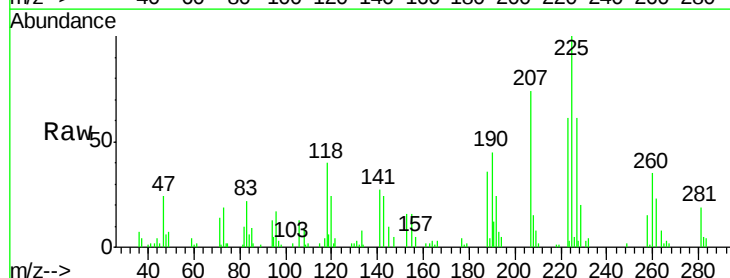


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

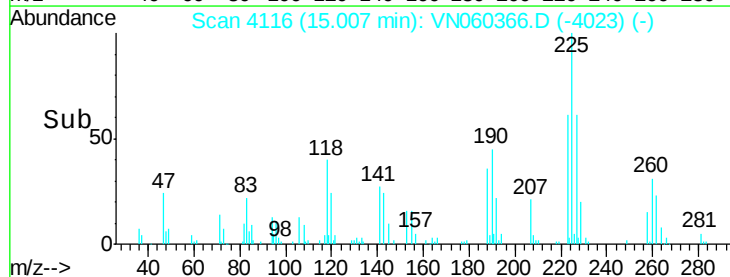
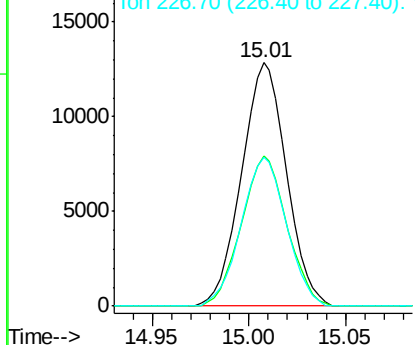


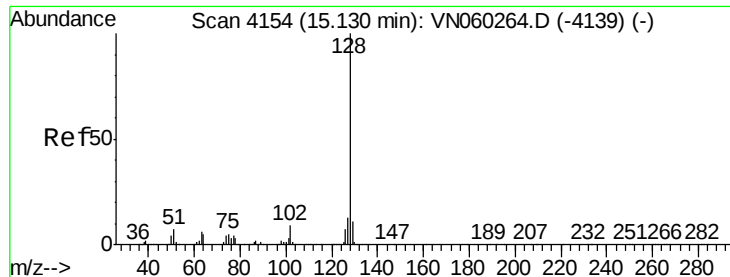
#94
 Hexachlorobutadiene
 Concen: 15.834 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060366.D
 Acq: 5 Mar 2020 14:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.3	93.9
227	61.5	32.3	96.9



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





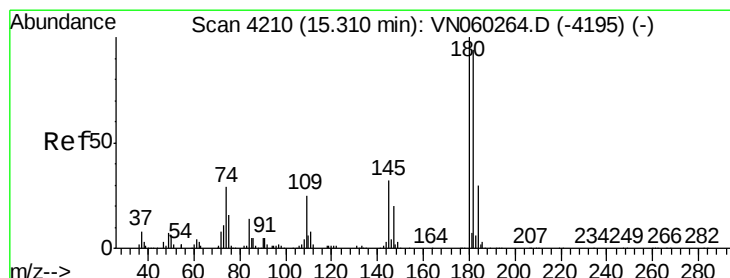
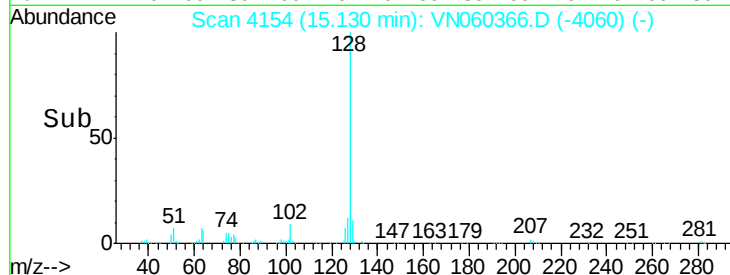
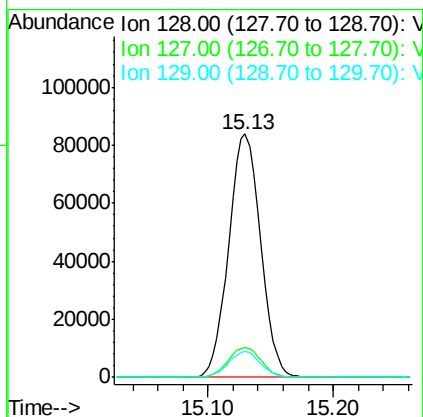
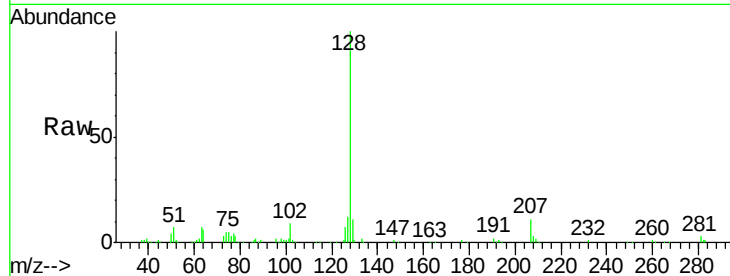
#95
Naphthalene
Concen: 17.912 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.4	15.6
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/6/2020 11:18:16 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.343 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060366.D
Acq: 5 Mar 2020 14:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	142.0
145	32.6	16.2	48.5

